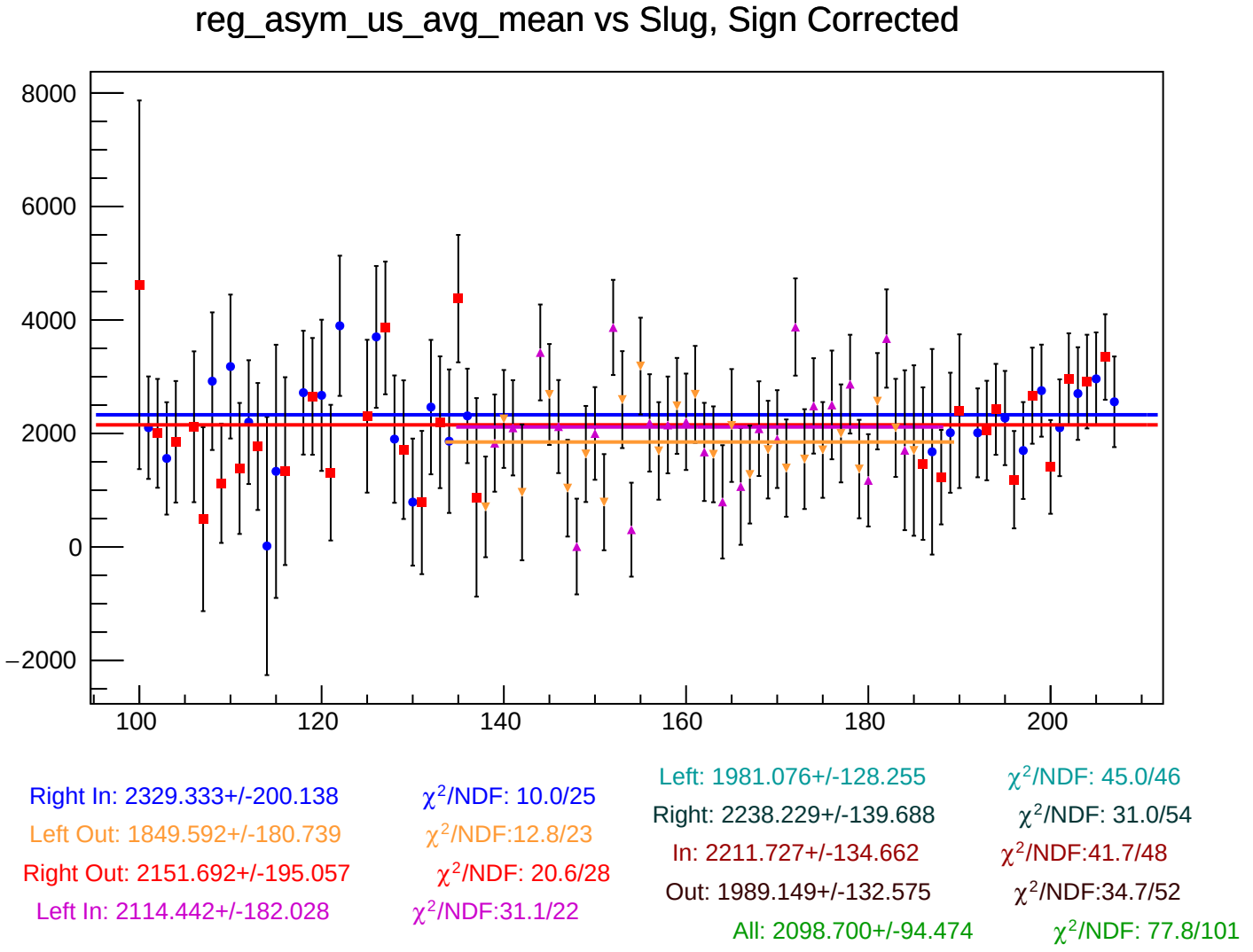
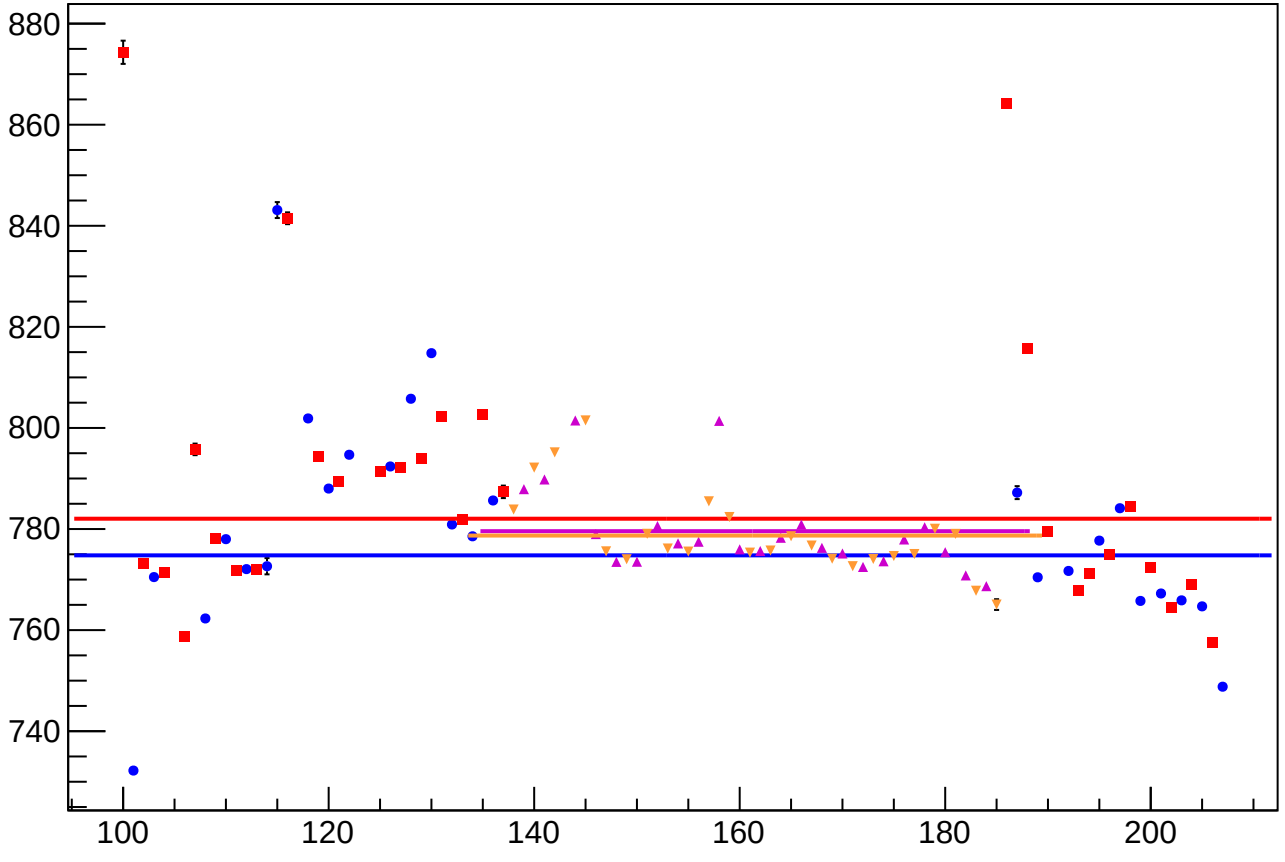

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2329.333+/-200.138
χ²/NDF: 10.0/25
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2151.692+/-195.057
χ²/NDF: 20.6/28
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2238.229+/-139.688
χ²/NDF: 31.0/54
In: 2211.727+/-134.662
χ²/NDF:41.7/48
Out: 1989.149+/-132.575
χ²/NDF:34.7/52
All: 2098.700+/-94.474
χ²/NDF: 77.8/101

reg_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.791+/-0.142 χ^2/NDF: 16921.1/25

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

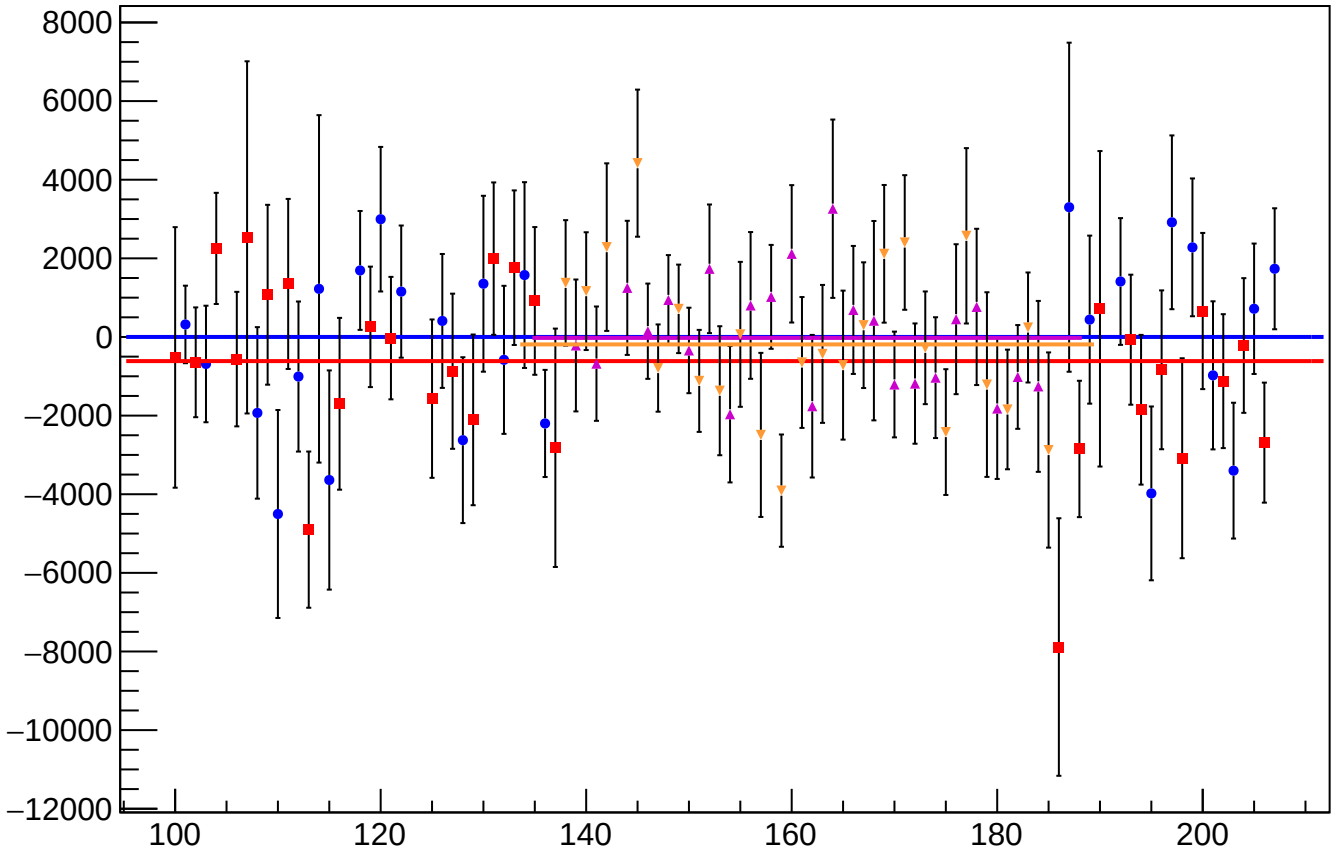
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.510+/-0.099 χ^2/NDF: 41574.3/54

In: 777.409+/-0.095 χ^2/NDF:21719.3/48

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

All: 778.851+/-0.067 χ^2/NDF: 49181.8/101



Right In: 0.704+/-354.758 χ^2/NDF: 29.3/25

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

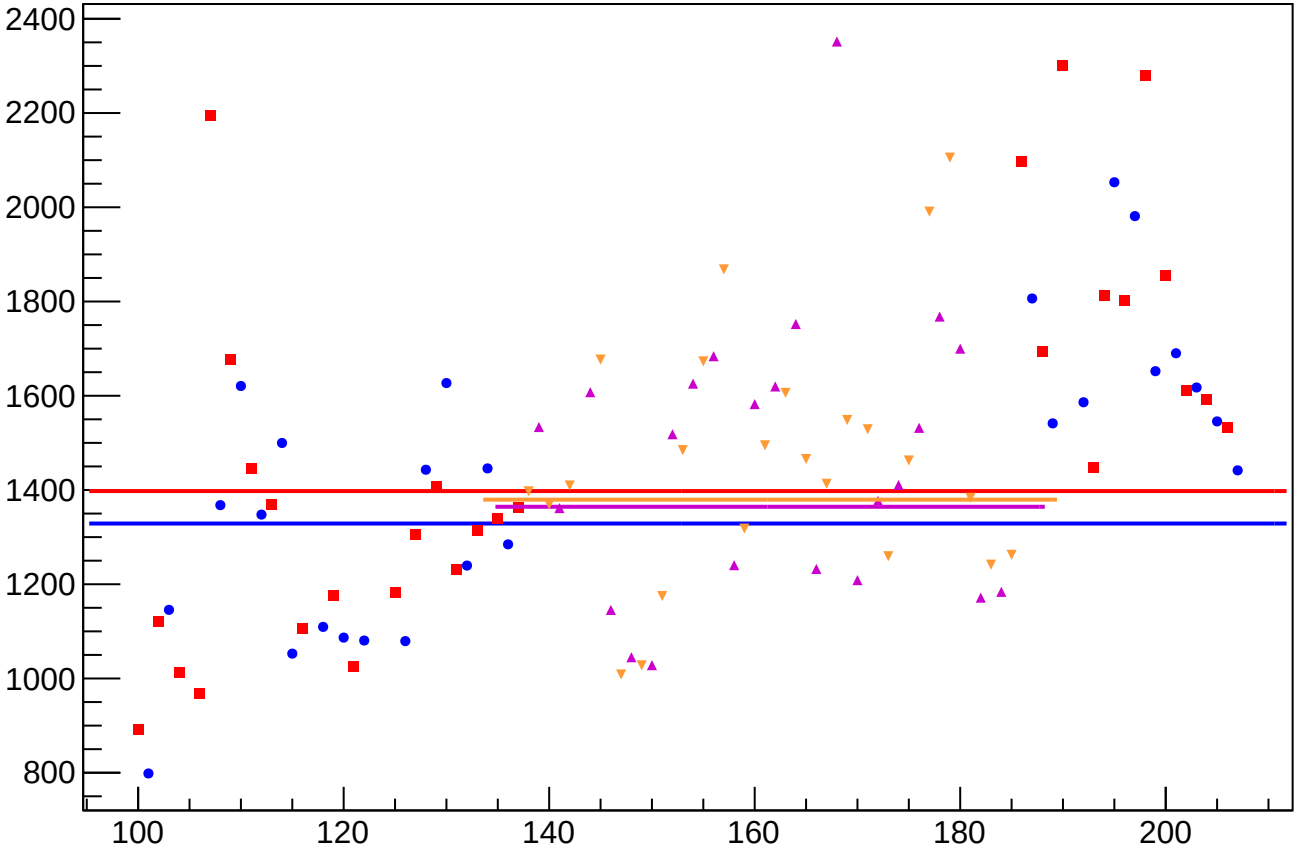
Right: -302.232+/-252.562 χ^2/NDF: 57.8/54

In: -12.562+/-239.965 χ^2/NDF:42.7/48

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

All: -195.349+/-170.471 χ^2/NDF: 101.4/101

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1328.861+/-0.251 χ^2/NDF: 1601521.0/25

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

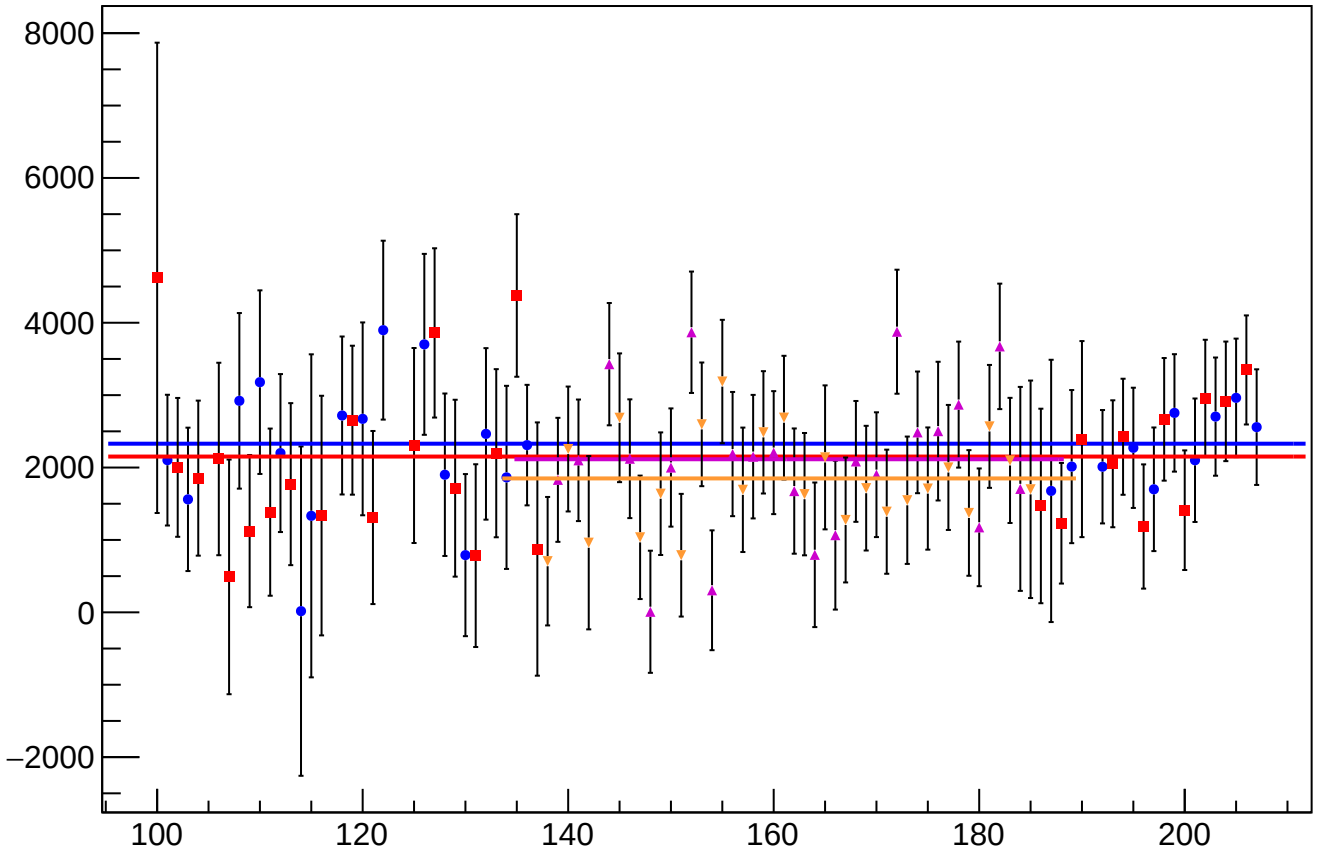
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1362.826+/-0.179 χ^2/NDF: 3220255.2/54

In: 1348.146+/-0.170 χ^2/NDF:2924715.8/48

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

All: 1367.783+/-0.121 χ^2/NDF: 5694580.7/10



Right In: 2329.333+/-200.138 χ^2/NDF: 10.0/25

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

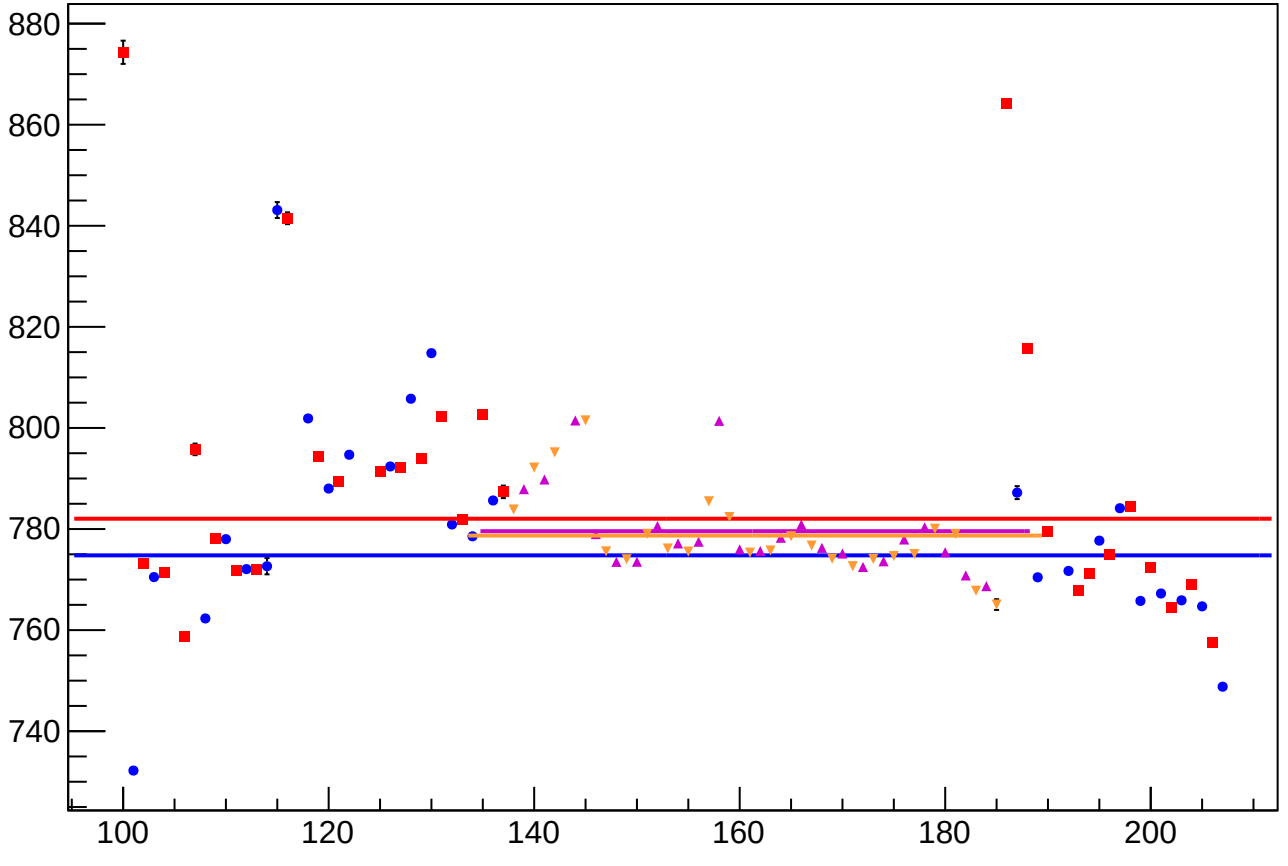
Right: 2238.229+/-139.688 χ^2/NDF: 31.0/54

In: 2211.727+/-134.662 χ^2/NDF:41.7/48

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

All: 2098.700+/-94.474 χ^2/NDF: 77.8/101

cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.791+/-0.142 χ^2/NDF: 16921.1/25

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

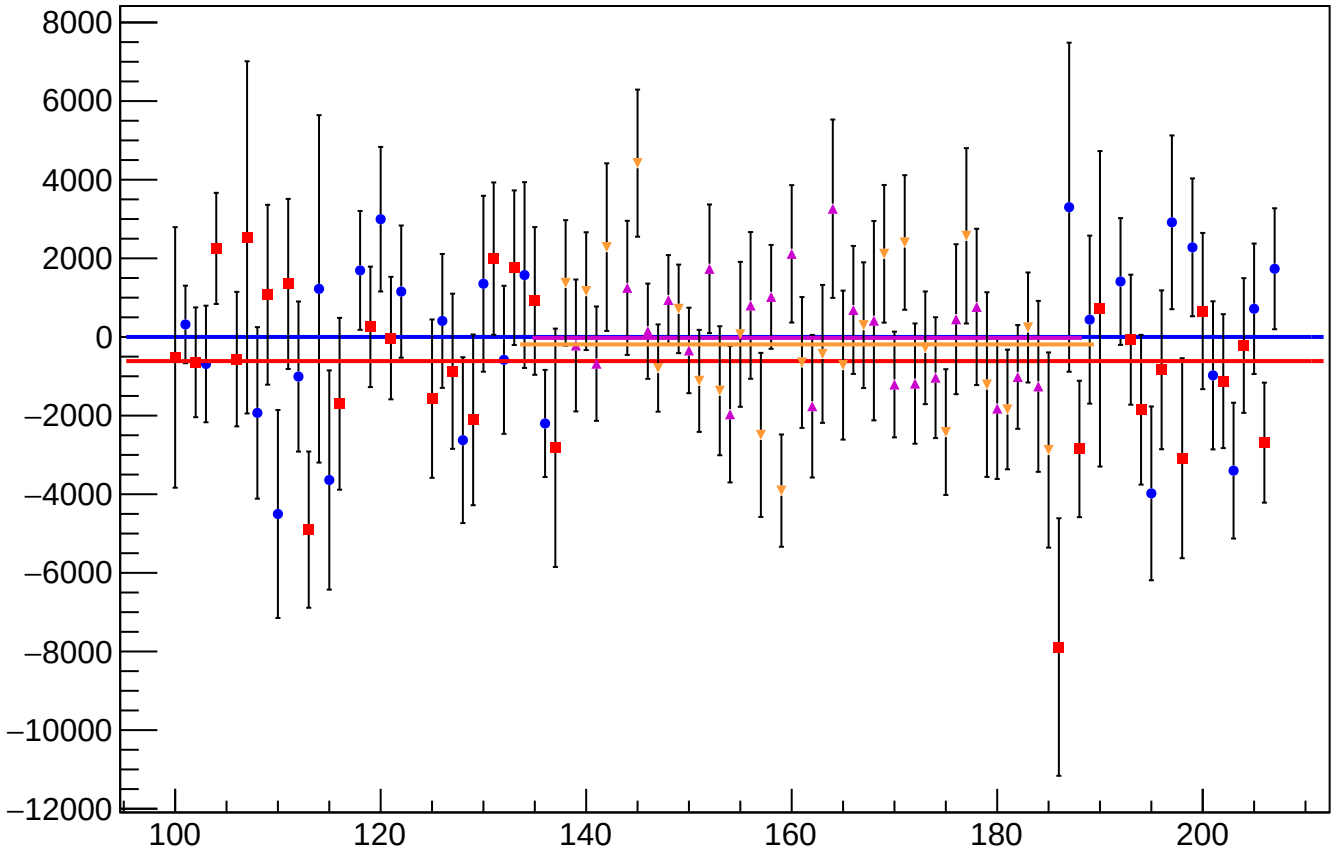
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.510+/-0.099 χ^2/NDF: 41574.3/54

In: 777.409+/-0.095 χ^2/NDF:21719.3/48

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

All: 778.851+/-0.067 χ^2/NDF: 49181.8/101



Right In: 0.704+/-354.758 χ^2/NDF: 29.3/25

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

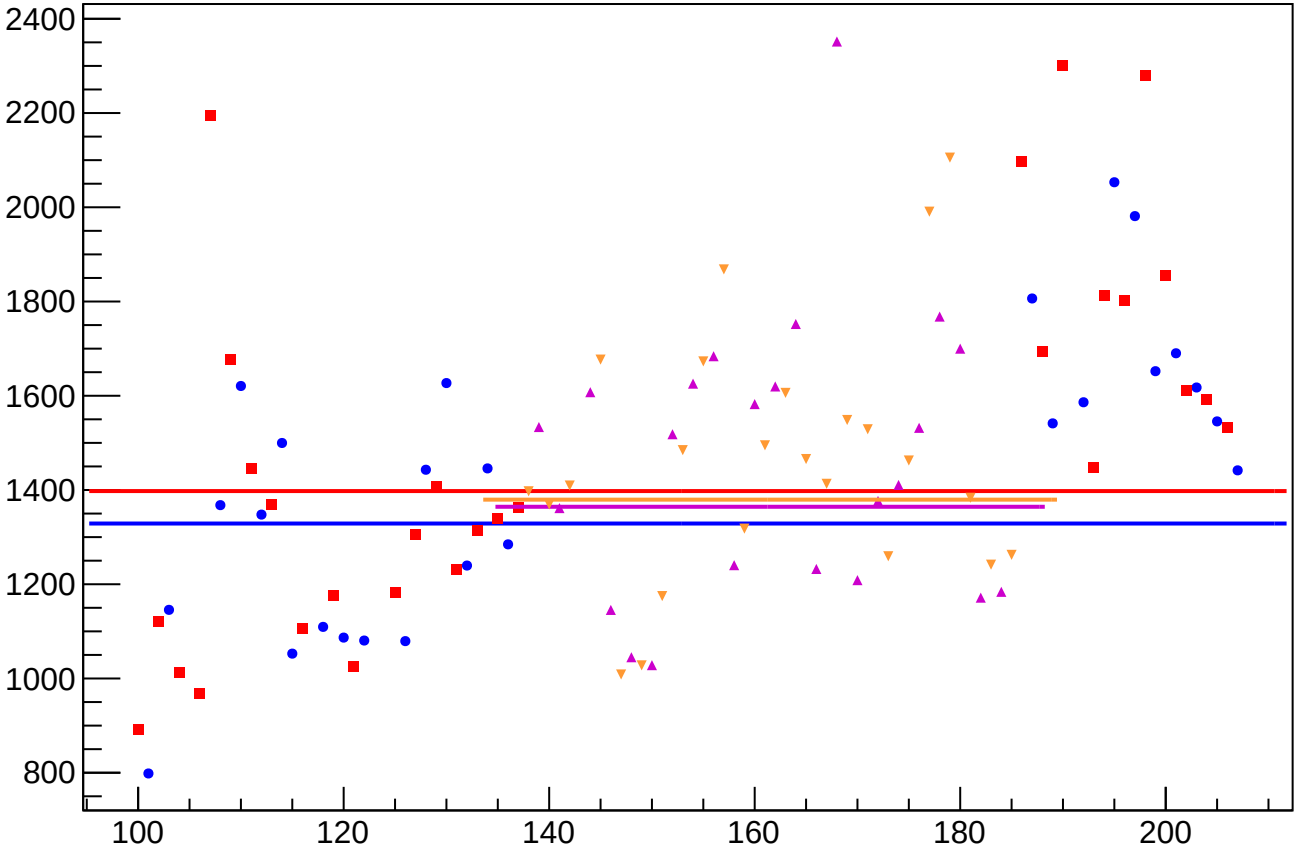
Right: -302.232+/-252.562 χ^2/NDF: 57.8/54

In: -12.562+/-239.965 χ^2/NDF:42.7/48

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

All: -195.349+/-170.471 χ^2/NDF: 101.4/101

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1328.861+/-0.251 χ^2/NDF: 1601521.0/25

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

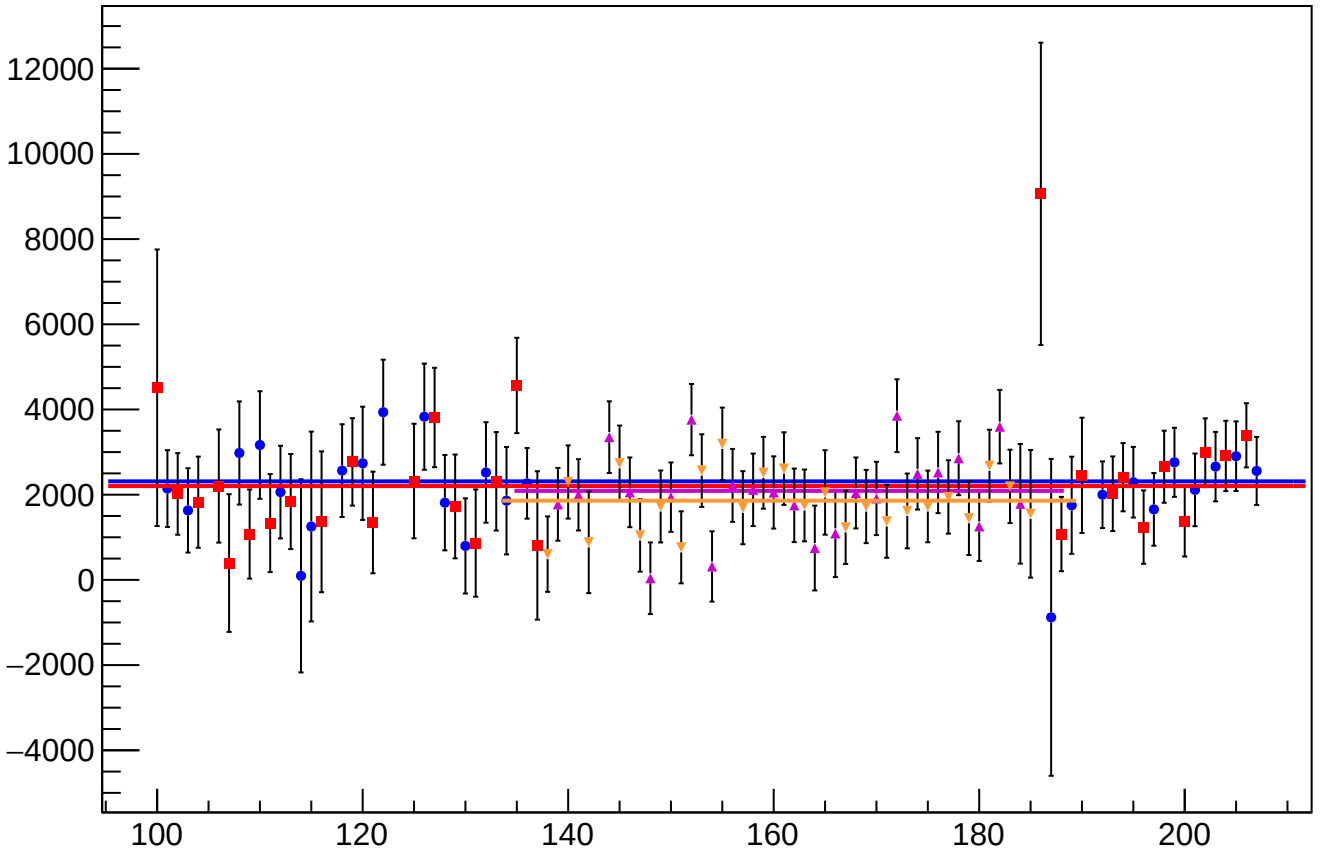
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1362.826+/-0.179 χ^2/NDF: 3220255.2/54

In: 1348.146+/-0.170 χ^2/NDF:2924715.8/48

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

All: 1367.783+/-0.121 χ^2/NDF: 5694580.7/10



Right In: 2312.441+/-201.261 χ^2/NDF: 11.0/25

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

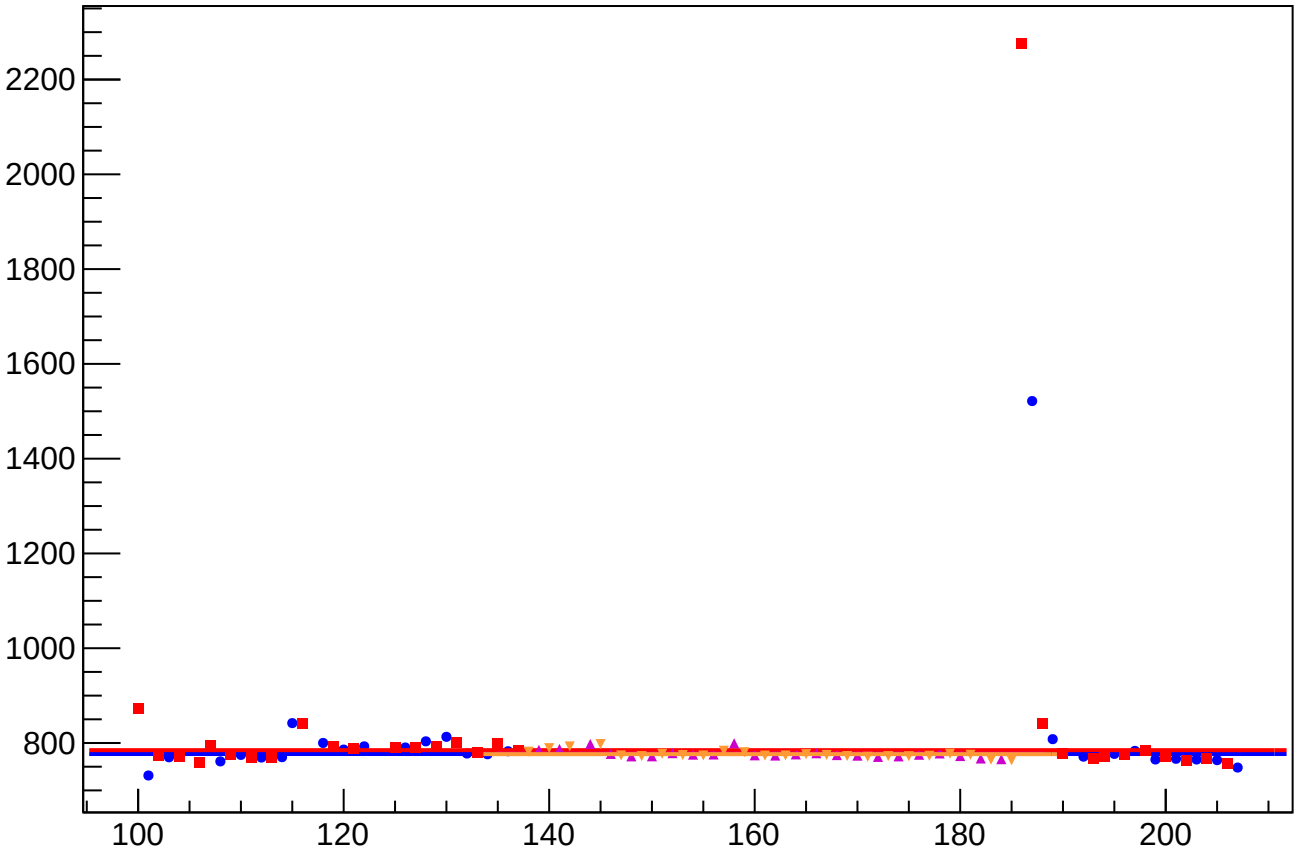
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2256.213+/-140.810 χ^2/NDF: 36.5/54

In: 2189.501+/-134.796 χ^2/NDF:41.3/48

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

All: 2101.405+/-94.673 χ^2/NDF: 82.7/101



Right In: 776.774+/-0.142 χ^2/NDF: 98324.6/25

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

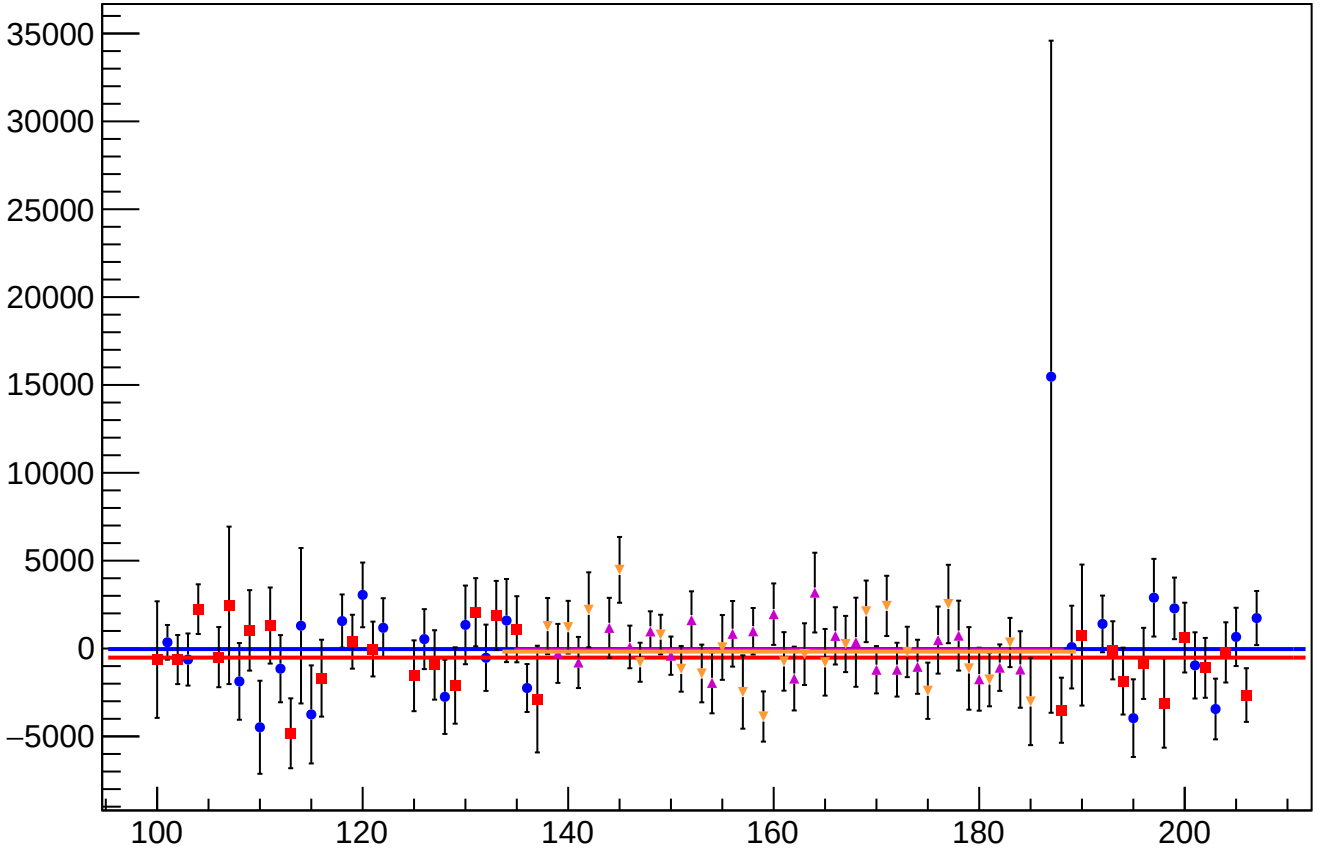
Right: 780.932+/-0.100 χ^2/NDF: 475821.5/54

In: 777.126+/-0.095 χ^2/NDF:102397.9/48

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

All: 778.758+/-0.067 χ^2/NDF: 483914.9/101

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -31.488+/-357.108 χ^2/NDF: 29.5/25

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

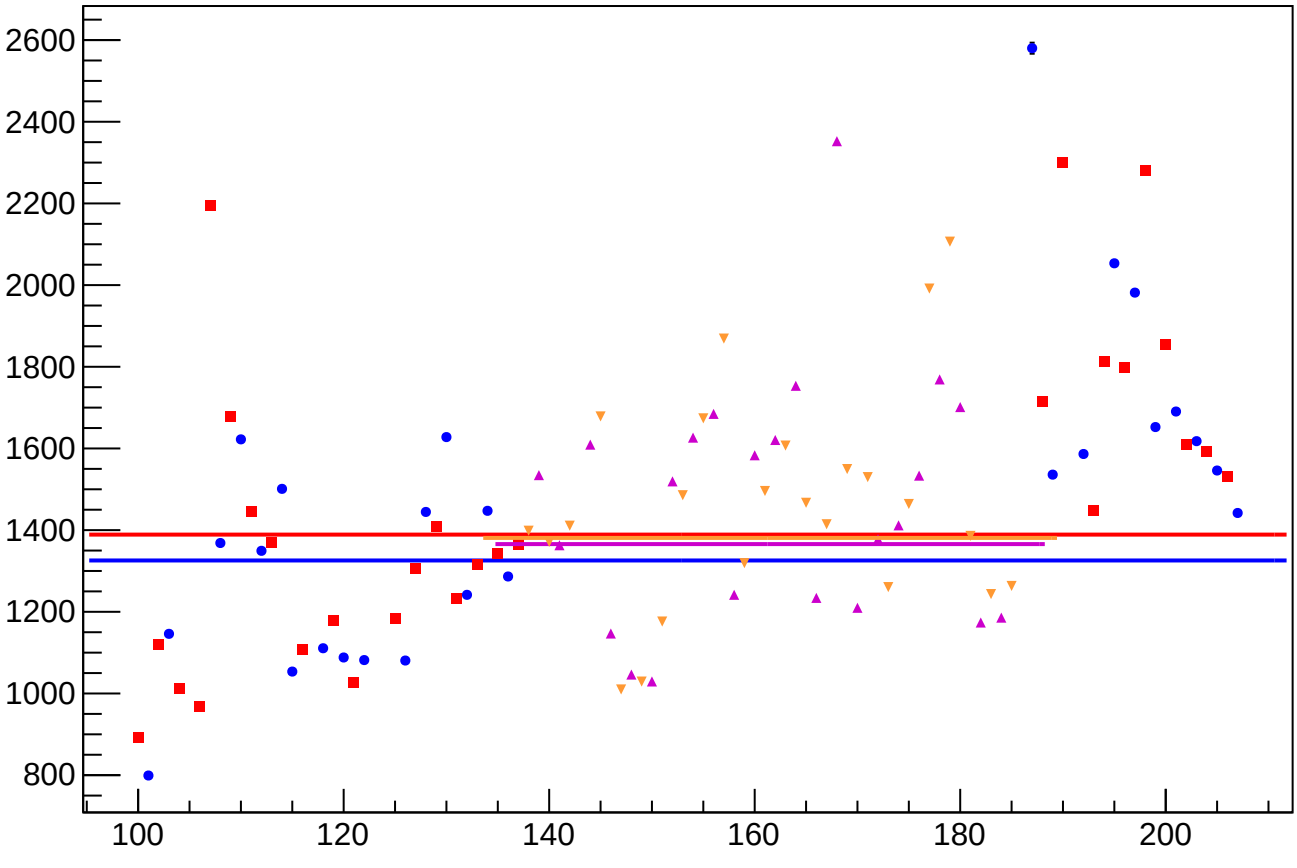
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: -270.169+/-254.587 χ^2/NDF: 53.5/53

In: -43.120+/-240.815 χ^2/NDF:42.5/48

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

All: -184.345+/-171.181 χ^2/NDF: 96.3/100



Right In: 1325.717+/-0.253 χ^2/NDF: 1575555.3/25

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

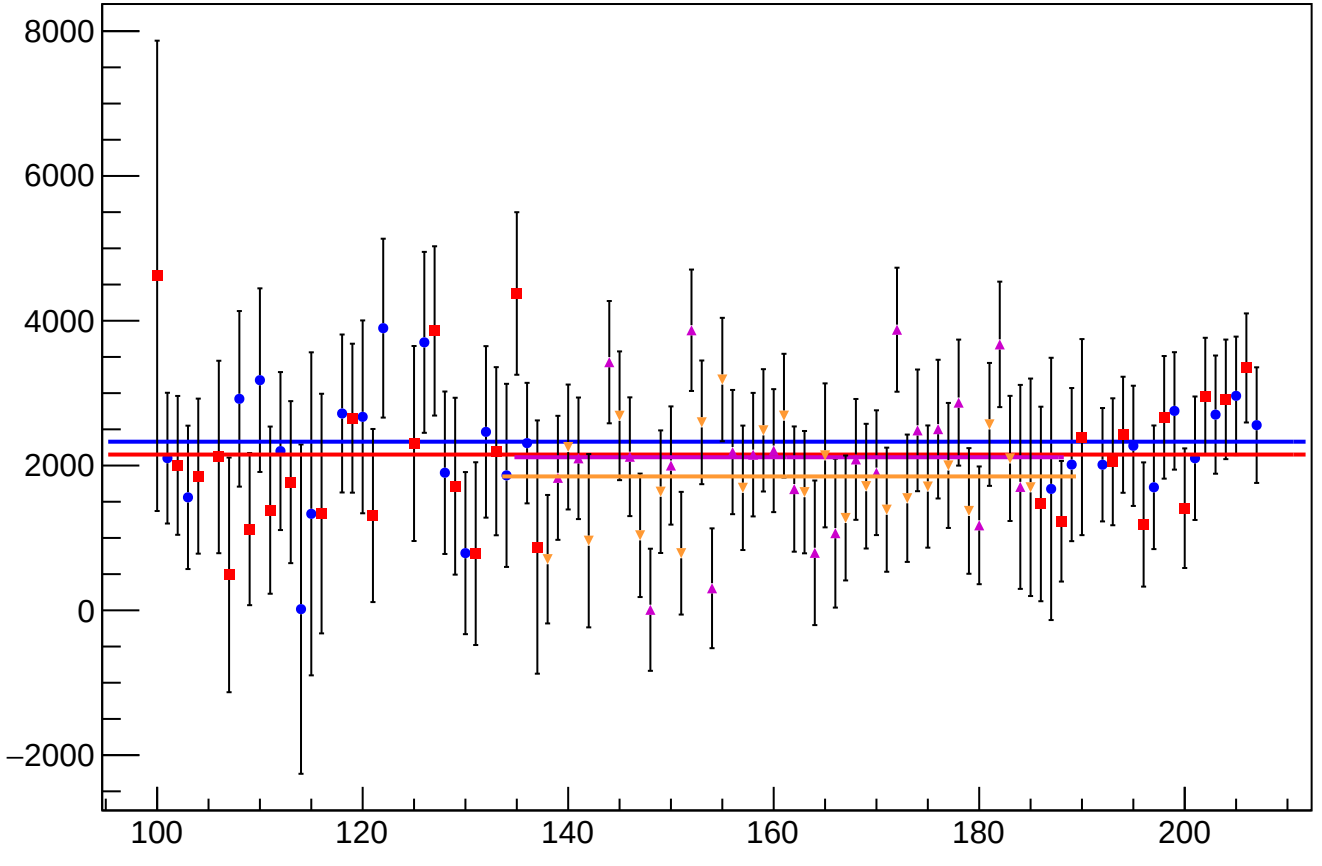
Right: 1356.859+/-0.180 χ^2/NDF: 3089441.8/53

In: 1347.578+/-0.170 χ^2/NDF:2898164.7/48

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

All: 1365.888+/-0.121 χ^2/NDF: 5560476.4/10

eigen_cor_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2329.333+/-200.138 χ^2/NDF: 10.0/25

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

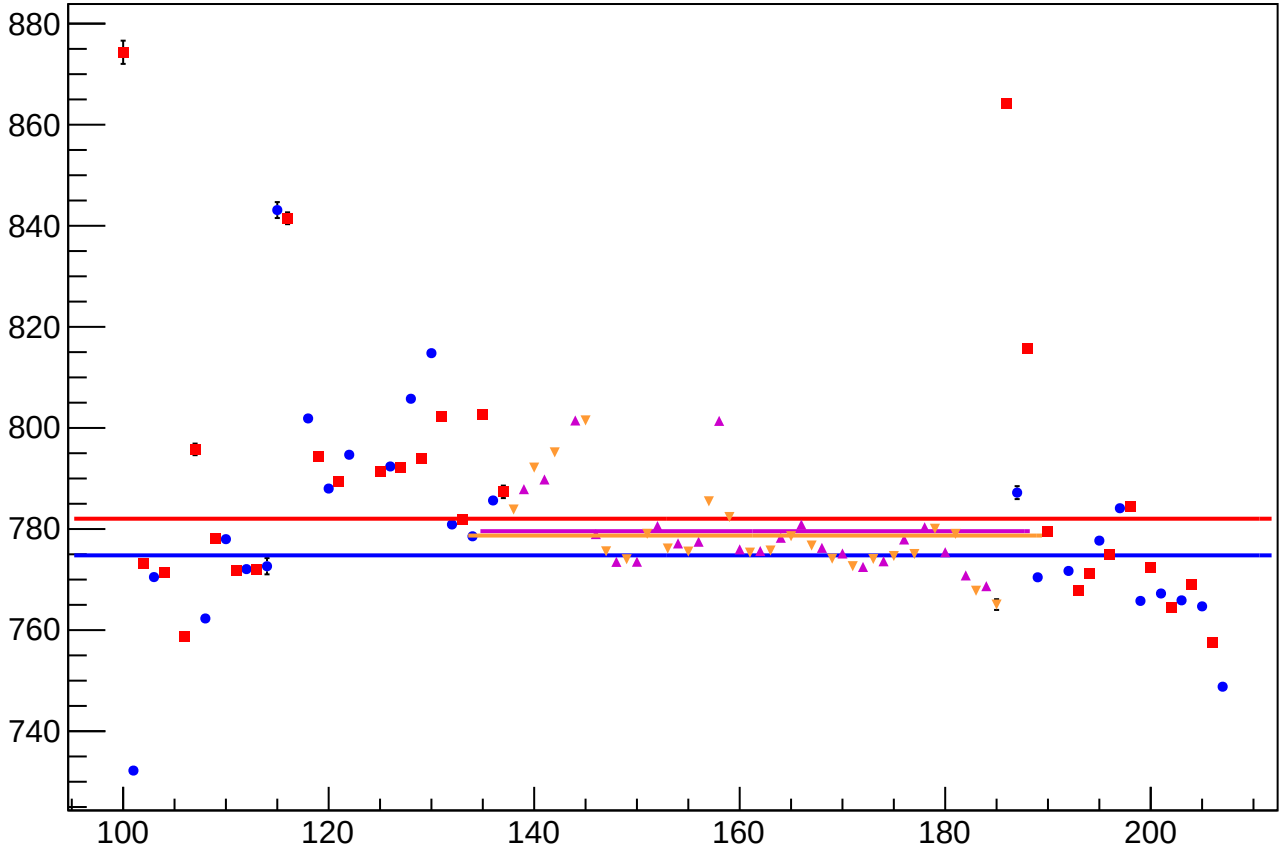
Right: 2238.229+/-139.688 χ^2/NDF: 31.0/54

In: 2211.727+/-134.662 χ^2/NDF:41.7/48

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

All: 2098.700+/-94.474 χ^2/NDF: 77.8/101

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



Right In: 774.791+/-0.142 χ^2/NDF: 16921.1/25

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

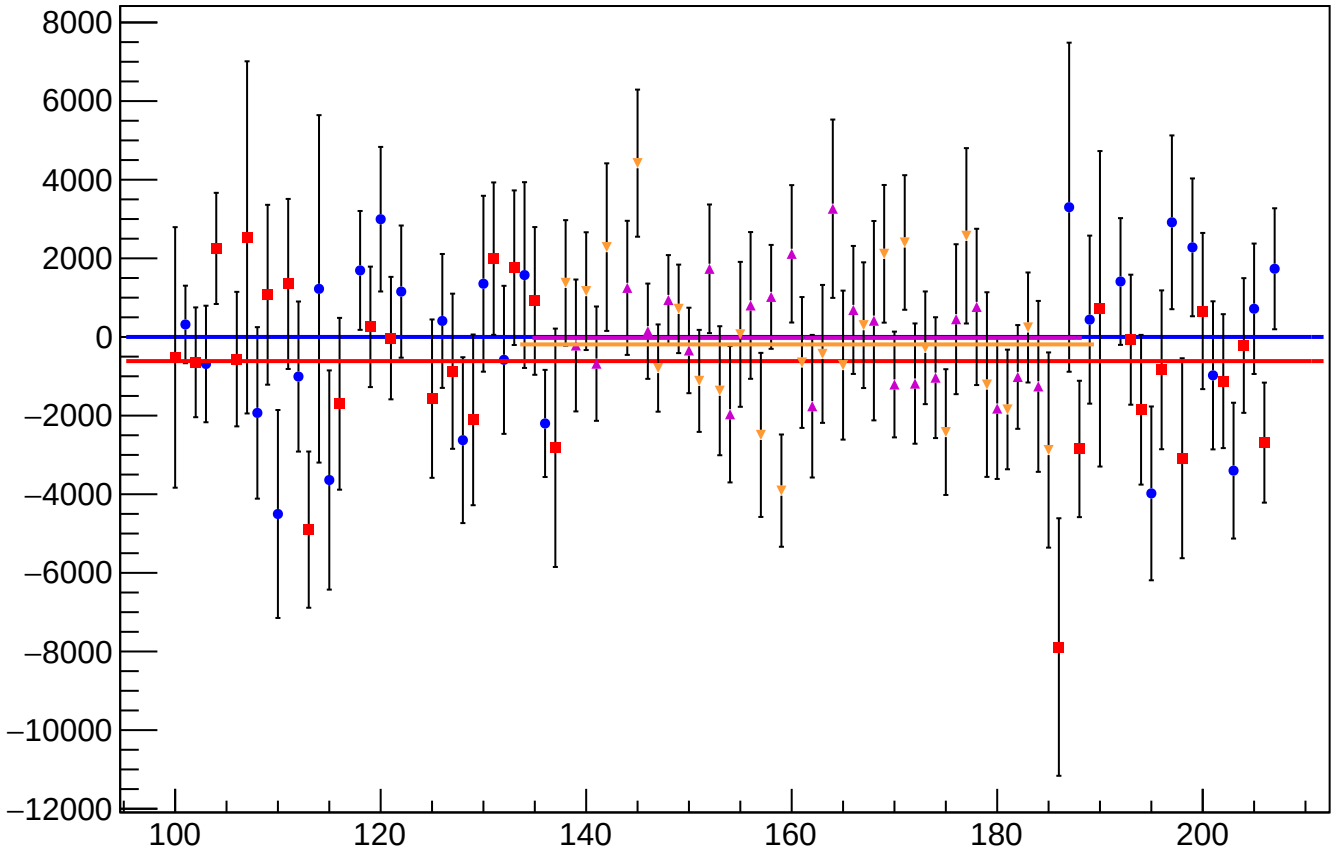
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 778.510+/-0.099 χ^2/NDF: 41574.3/54

In: 777.409+/-0.095 χ^2/NDF:21719.3/48

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

All: 778.851+/-0.067 χ^2/NDF: 49181.8/101



Right In: 0.704+/-354.758 χ^2/NDF: 29.3/25

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

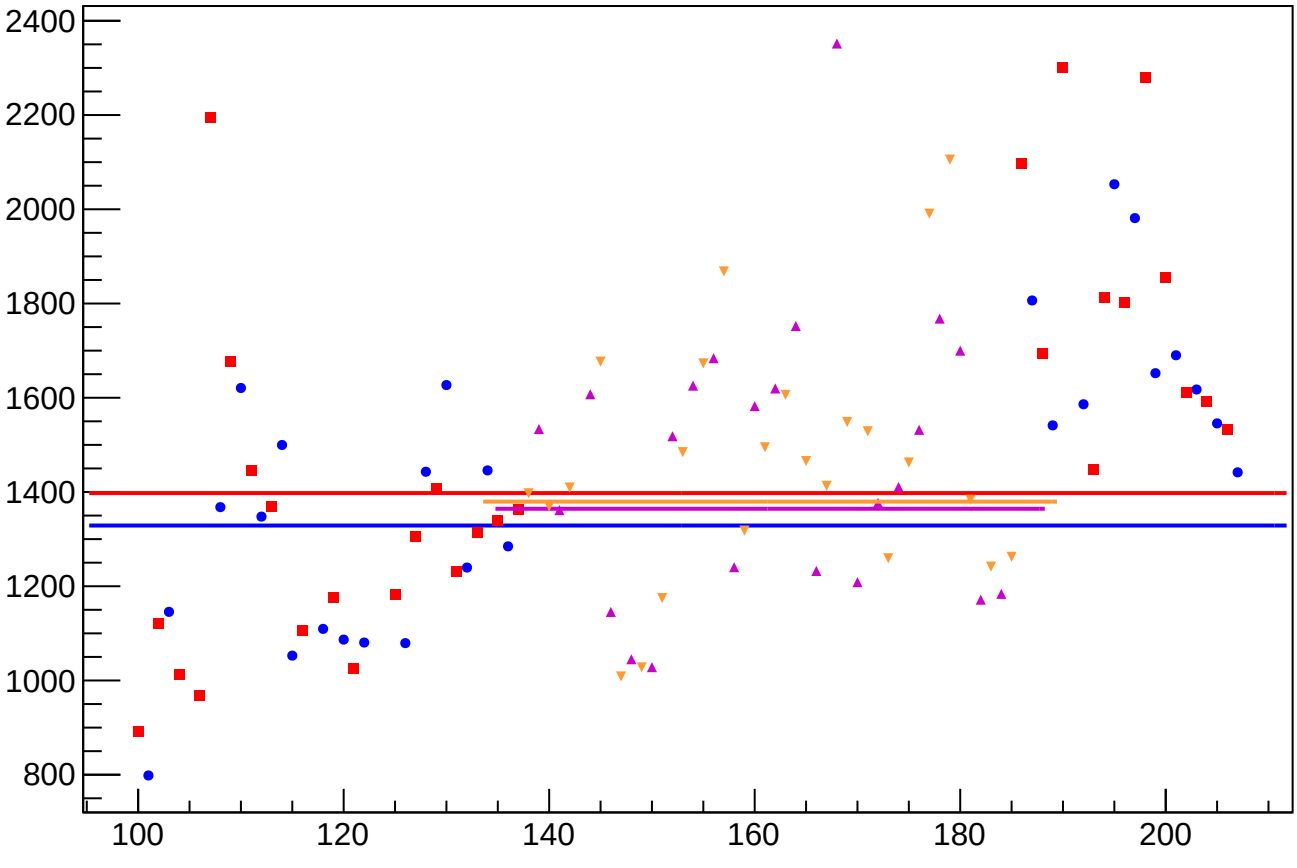
Left: -105.906+/-231.038 χ^2/NDF: 43.2/46

Right: -302.232+/-252.562 χ^2/NDF: 57.8/54

In: -12.562+/-239.965 χ^2/NDF:42.7/48

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

All: -195.349+/-170.471 χ^2/NDF: 101.4/101



Right In: 1328.861+/-0.251 χ^2/NDF: 1601521.0/25

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

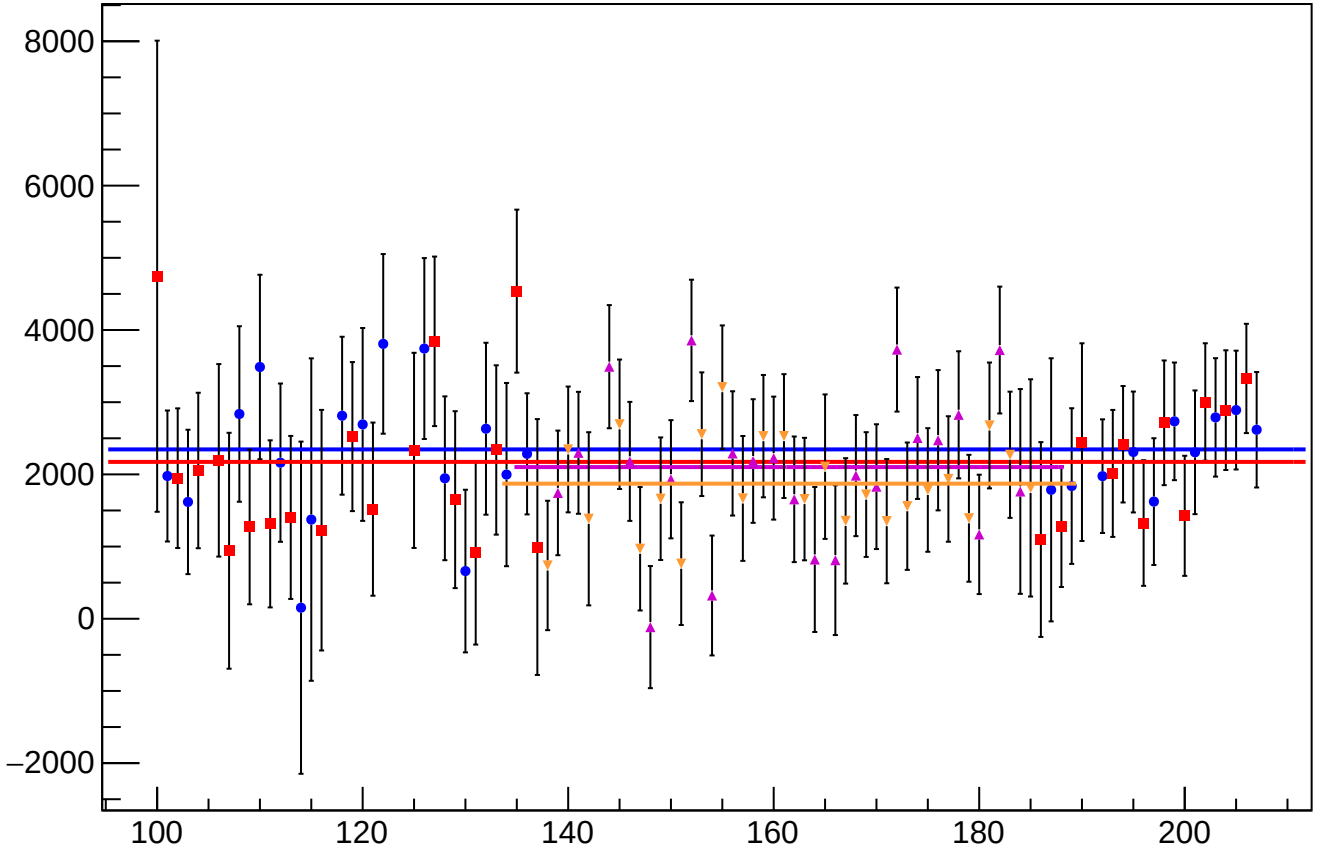
Right: 1362.826+/-0.179 χ^2/NDF: 3220255.2/54

In: 1348.146+/-0.170 χ^2/NDF:2924715.8/48

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

All: 1367.783+/-0.121 χ^2/NDF: 5694580.7/10

dit_asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2345.918+/-201.586 χ^2/NDF: 10.4/25

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

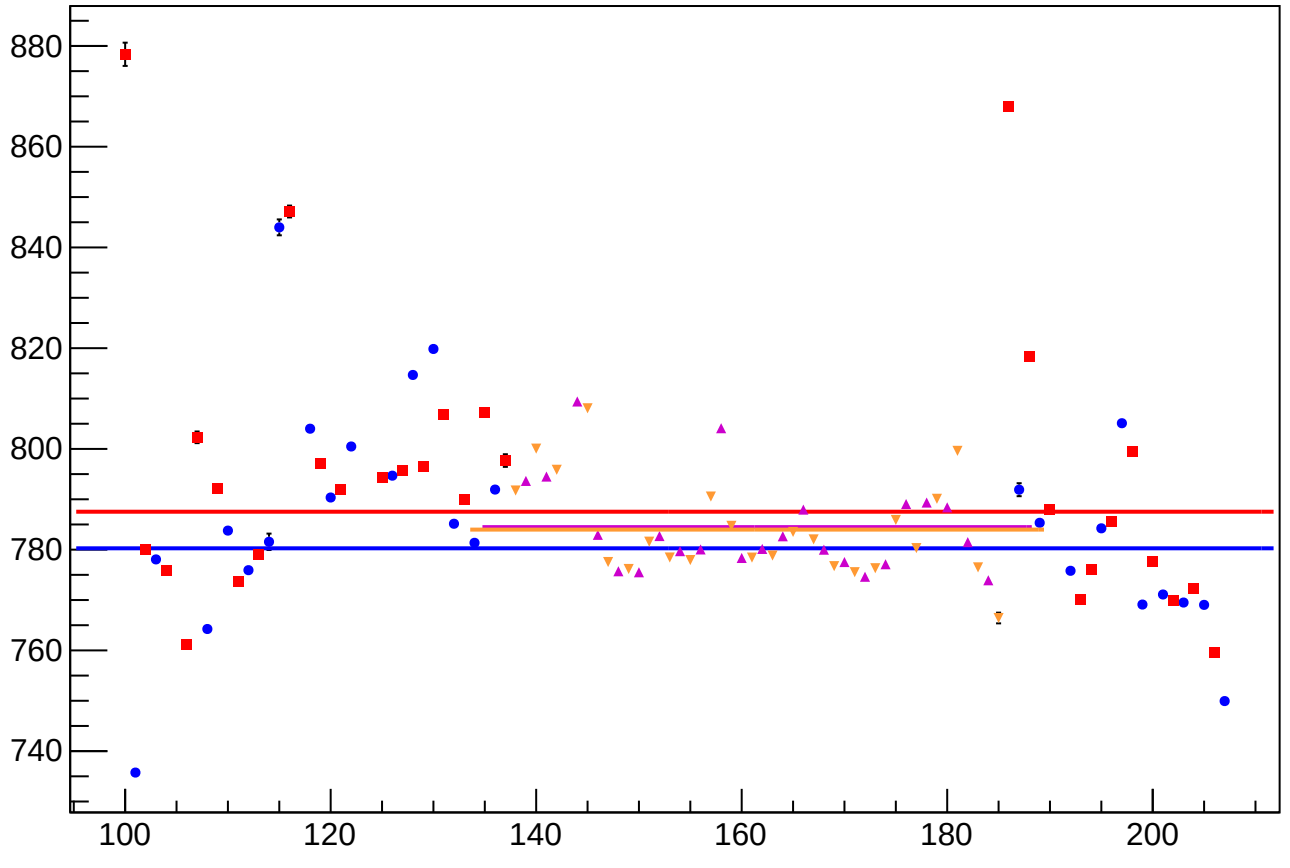
Left: 1985.496+/-129.100 χ^2/NDF: 45.0/46

Right: 2257.230+/-140.700 χ^2/NDF: 30.8/54

In: 2211.794+/-135.569 χ^2/NDF:43.0/48

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

All: 2109.701+/-95.125 χ^2/NDF: 77.9/101



Right In: 780.268+/-0.143 χ^2/NDF: 19459.3/25

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

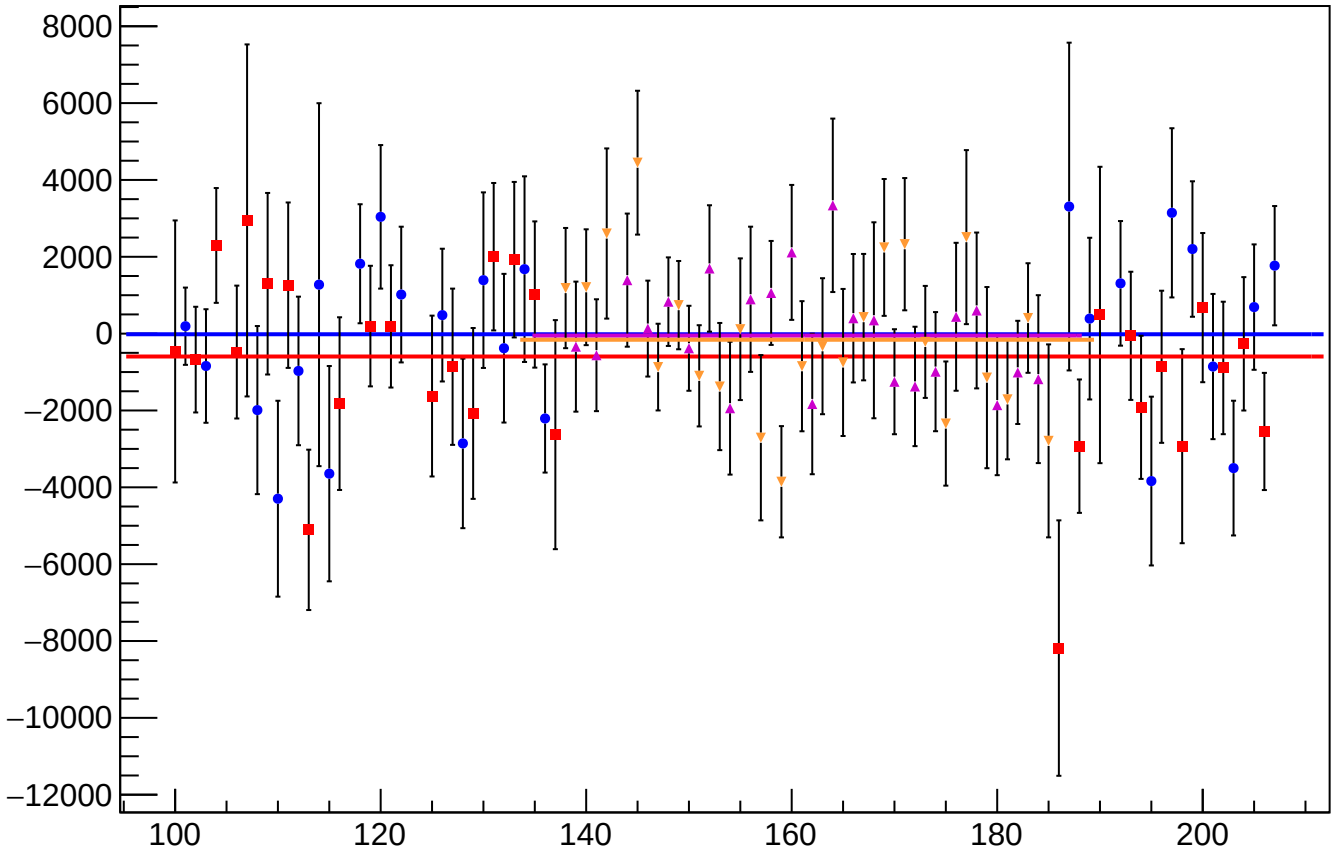
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 783.994+/-0.099 χ^2/NDF: 44274.8/54

In: 782.571+/-0.096 χ^2/NDF:24863.6/48

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

All: 784.119+/-0.067 χ^2/NDF: 54140.7/101



Right In: -16.222+/-359.428 χ^2/NDF: 29.1/25

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

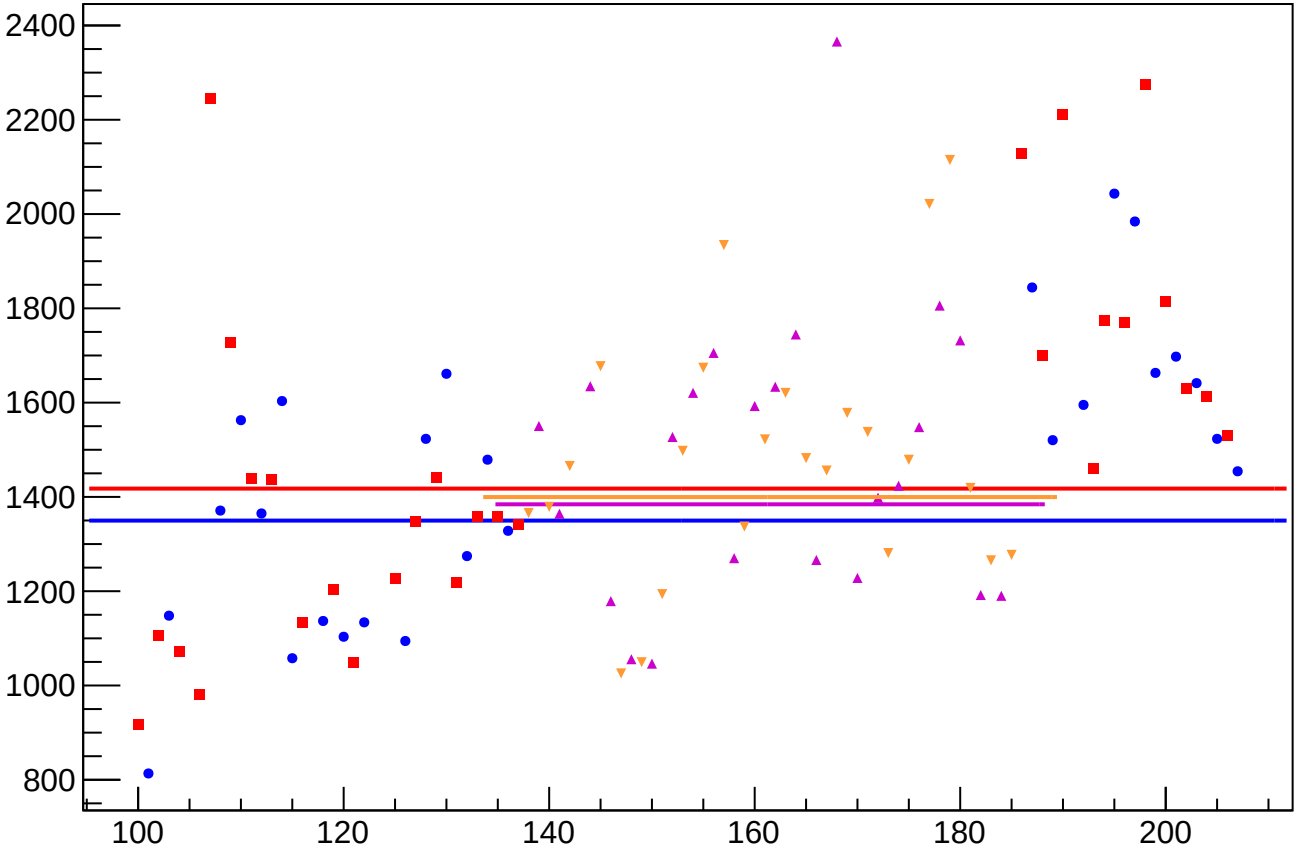
Right: -302.363+/-255.666 χ^2/NDF: 57.6/54

In: -35.611+/-243.167 χ^2/NDF:42.5/48

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

All: -195.210+/-172.691 χ^2/NDF: 100.5/101

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1349.779+/-0.254 χ^2/NDF: 1522190.5/25

Left Out: 1399.717+/-0.235 χ^2/NDF:1136350.2/23

Right Out: 1417.663+/-0.257 χ^2/NDF: 1449826.6/28

Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

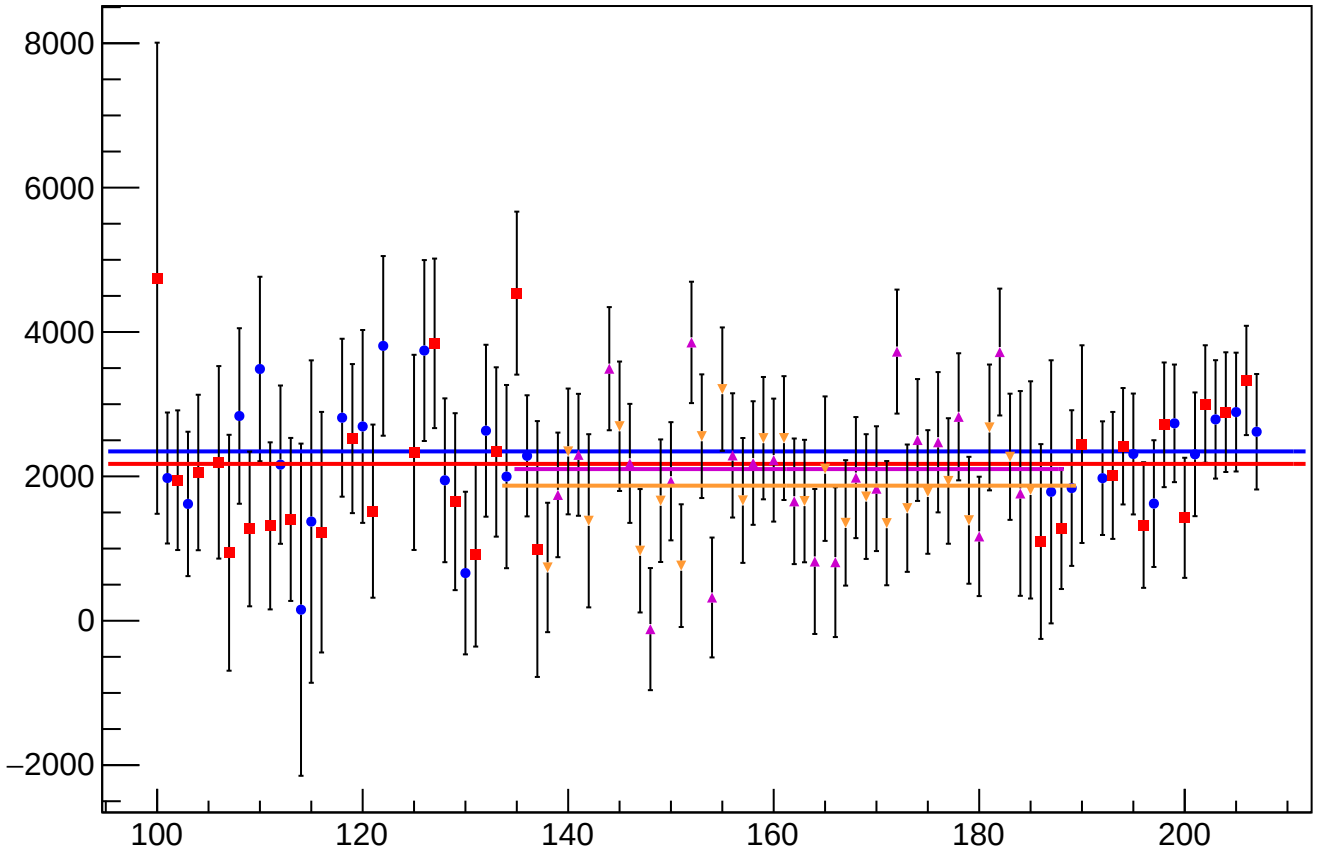
Left: 1391.979+/-0.166 χ^2/NDF: 2408444.2/46

Right: 1383.316+/-0.181 χ^2/NDF: 3007262.1/54

In: 1368.518+/-0.172 χ^2/NDF:2802151.2/48

Out: 1407.878+/-0.173 χ^2/NDF:2588831.3/52

All: 1388.027+/-0.122 χ^2/NDF: 5416954.9/10



Right In: 2345.918+/-201.586 χ^2/NDF: 10.4/25

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

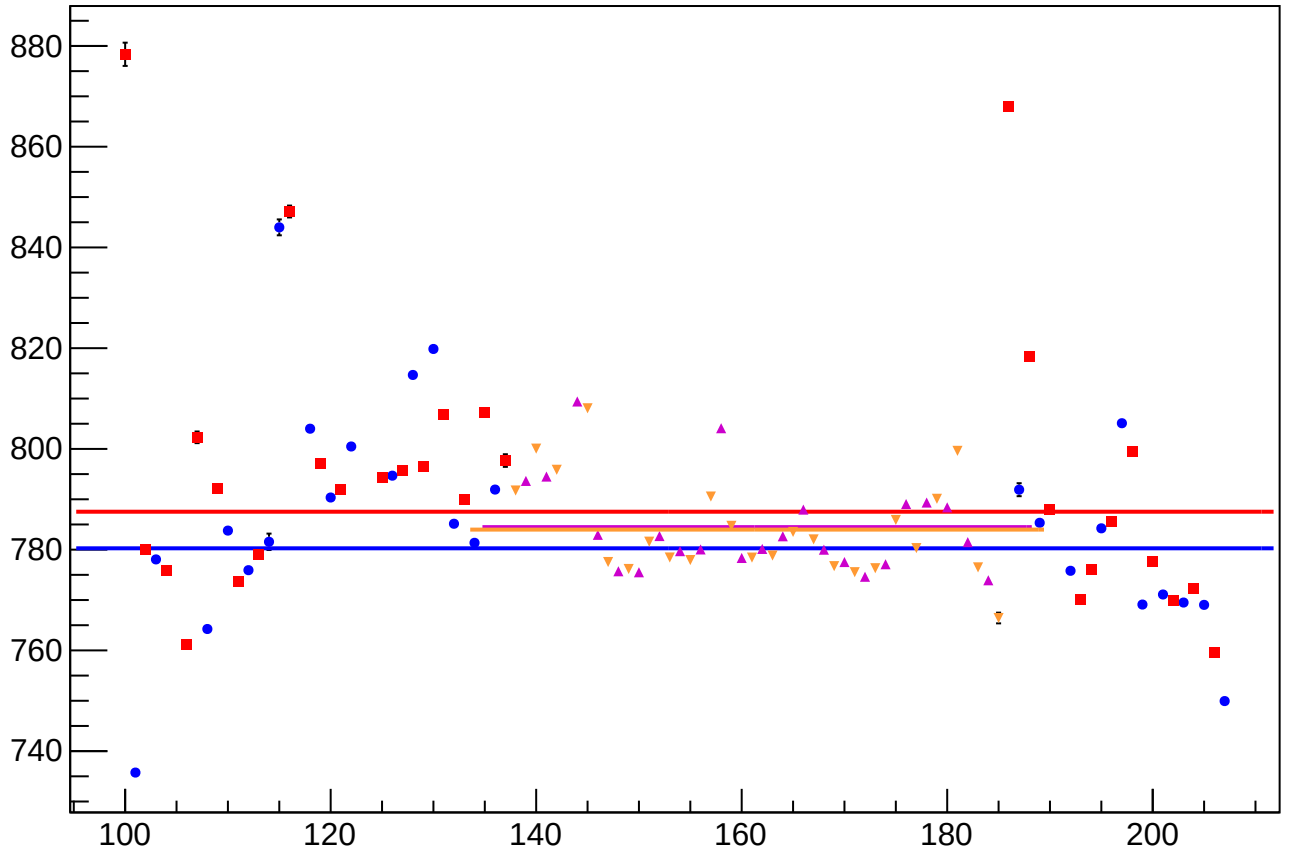
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2257.229+/-140.700 χ^2/NDF: 30.8/54

In: 2211.795+/-135.569 χ^2/NDF:43.0/48

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

All: 2109.700+/-95.125 χ^2/NDF: 77.9/101



Right In: 780.268+/-0.143 χ^2/NDF: 19459.2/25

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

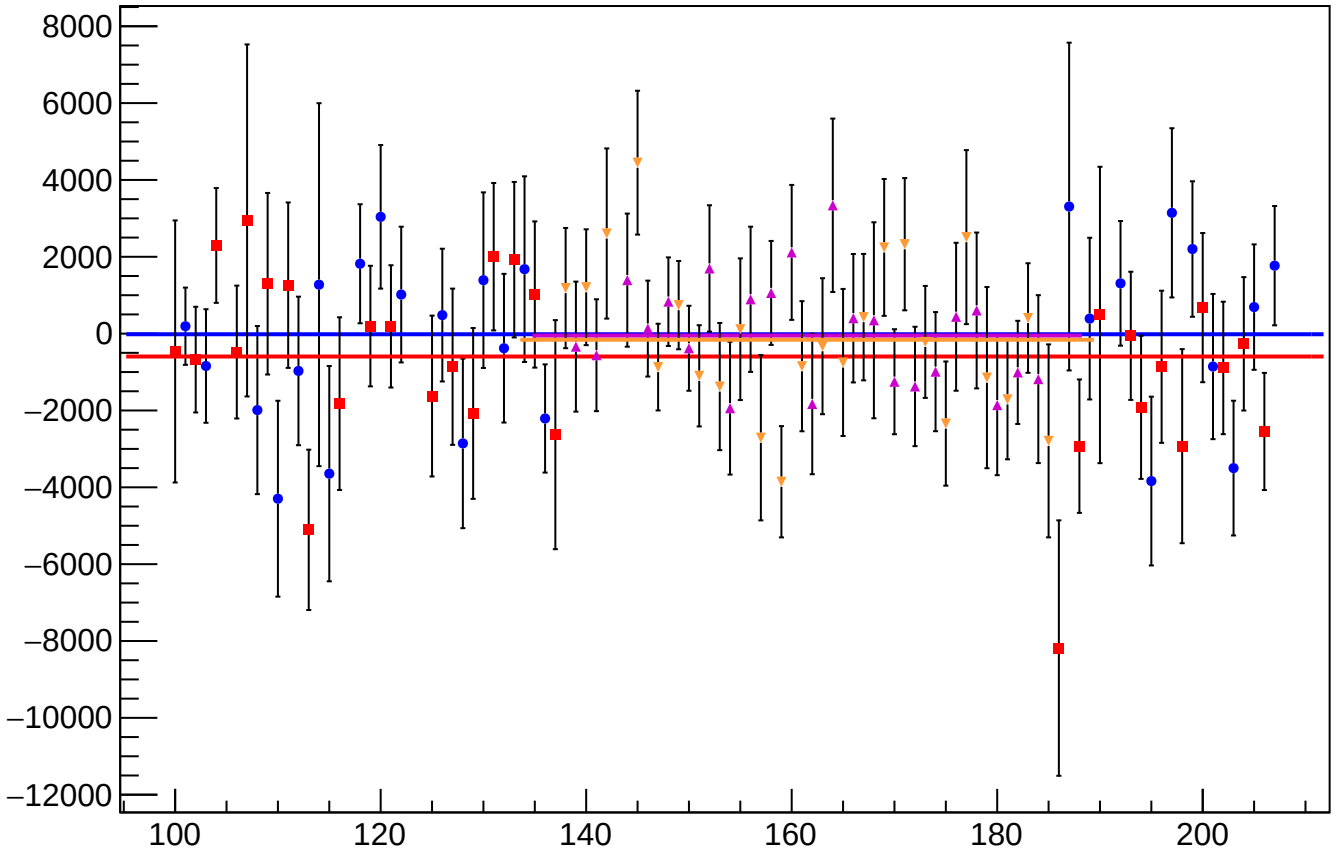
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 783.994+/-0.099 χ^2/NDF: 44274.7/54

In: 782.571+/-0.096 χ^2/NDF:24863.5/48

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

All: 784.119+/-0.067 χ^2/NDF: 54140.6/101



Right In: -16.222+/-359.428 χ^2/NDF: 29.1/25

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

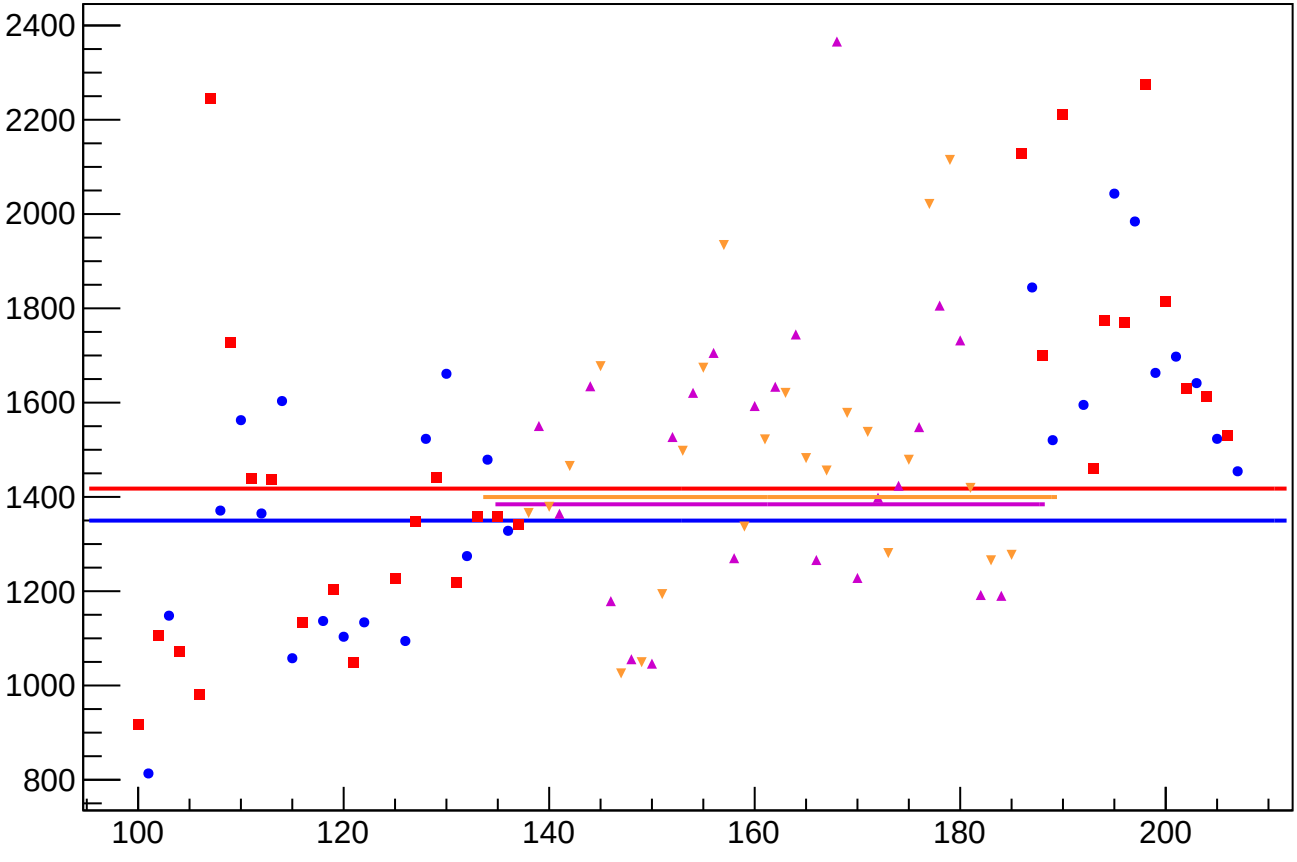
Right: -302.361+/-255.666 χ^2/NDF: 57.6/54

In: -35.611+/-243.167 χ^2/NDF:42.5/48

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

All: -195.210+/-172.691 χ^2/NDF: 100.5/101

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1349.778+/-0.254 χ^2/NDF: 1522207.5/25

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

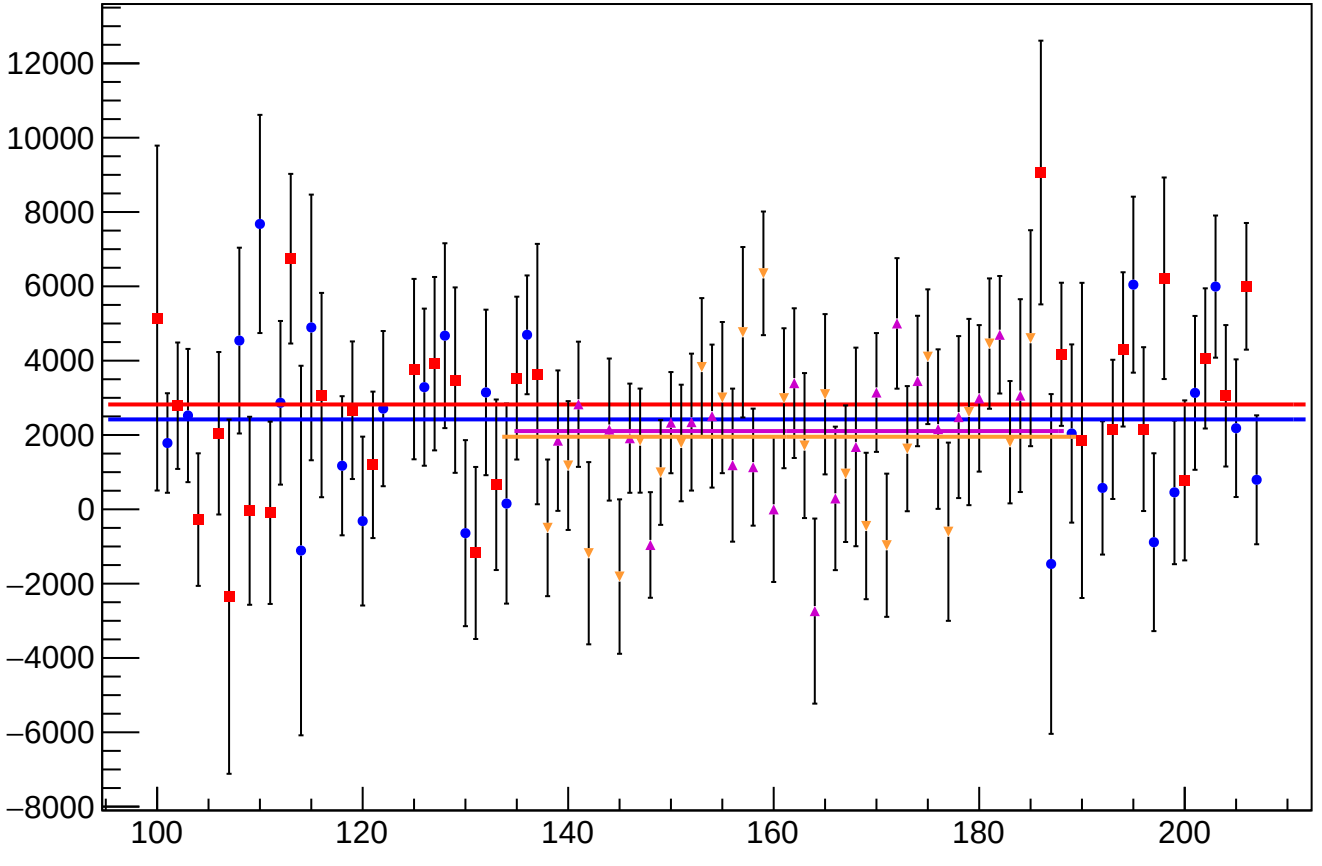
Right: 1383.314+/-0.181 χ^2/NDF: 3007297.2/54

In: 1368.519+/-0.172 χ^2/NDF:2802171.2/48

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

All: 1388.027+/-0.122 χ^2/NDF: 5416992.9/10

asym_us_avg_mean vs Slug, Sign Corrected



Right In: 2419.467+/-417.460 χ^2/NDF: 24.0/25

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

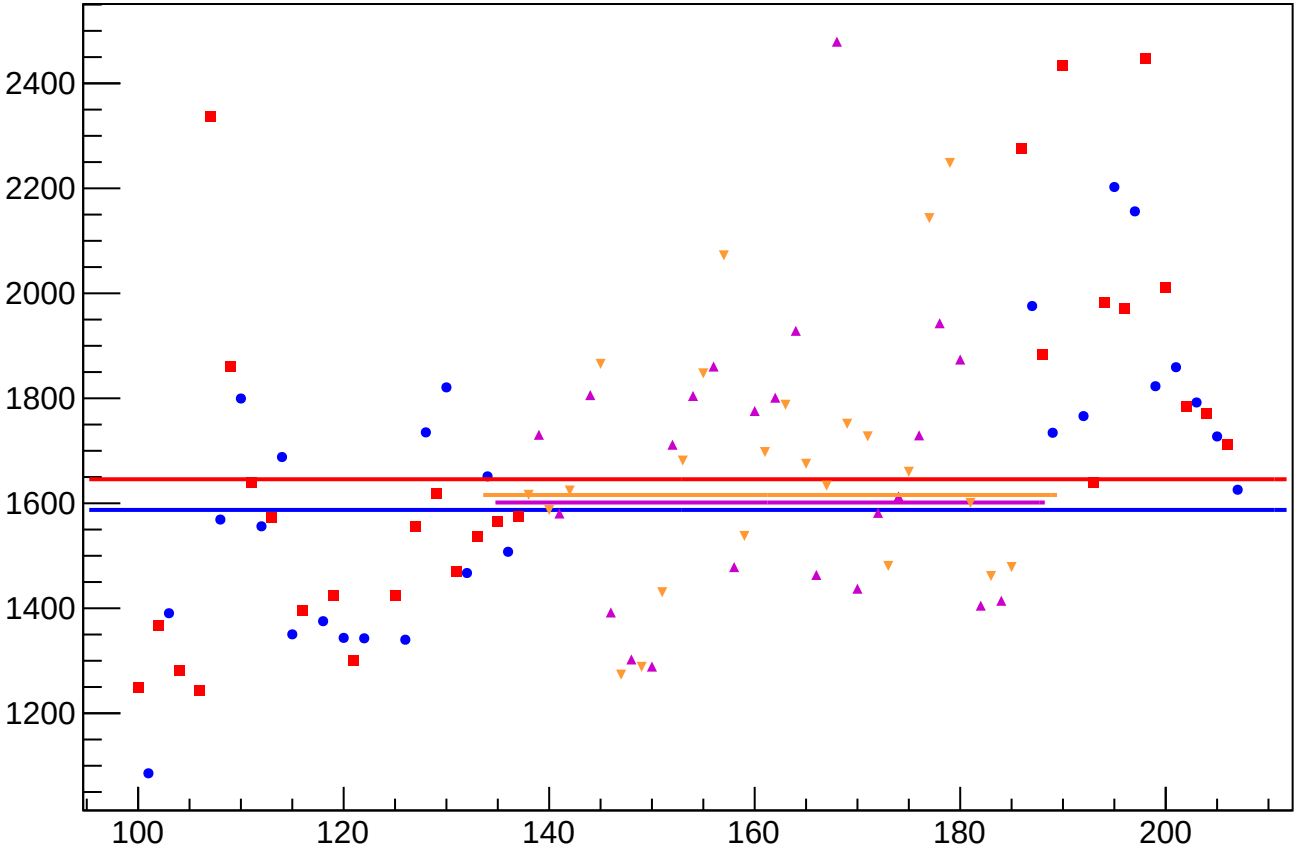
Right: 2620.149+/-295.460 χ^2/NDF: 50.6/54

In: 2247.332+/-280.628 χ^2/NDF:42.9/48

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

All: 2296.419+/-198.691 χ^2/NDF: 98.8/101

asym_us_avg_rms vs Slug, Sign Corrected



Right In: 1587.367+/-0.295 χ^2/NDF: 854585.7/25

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

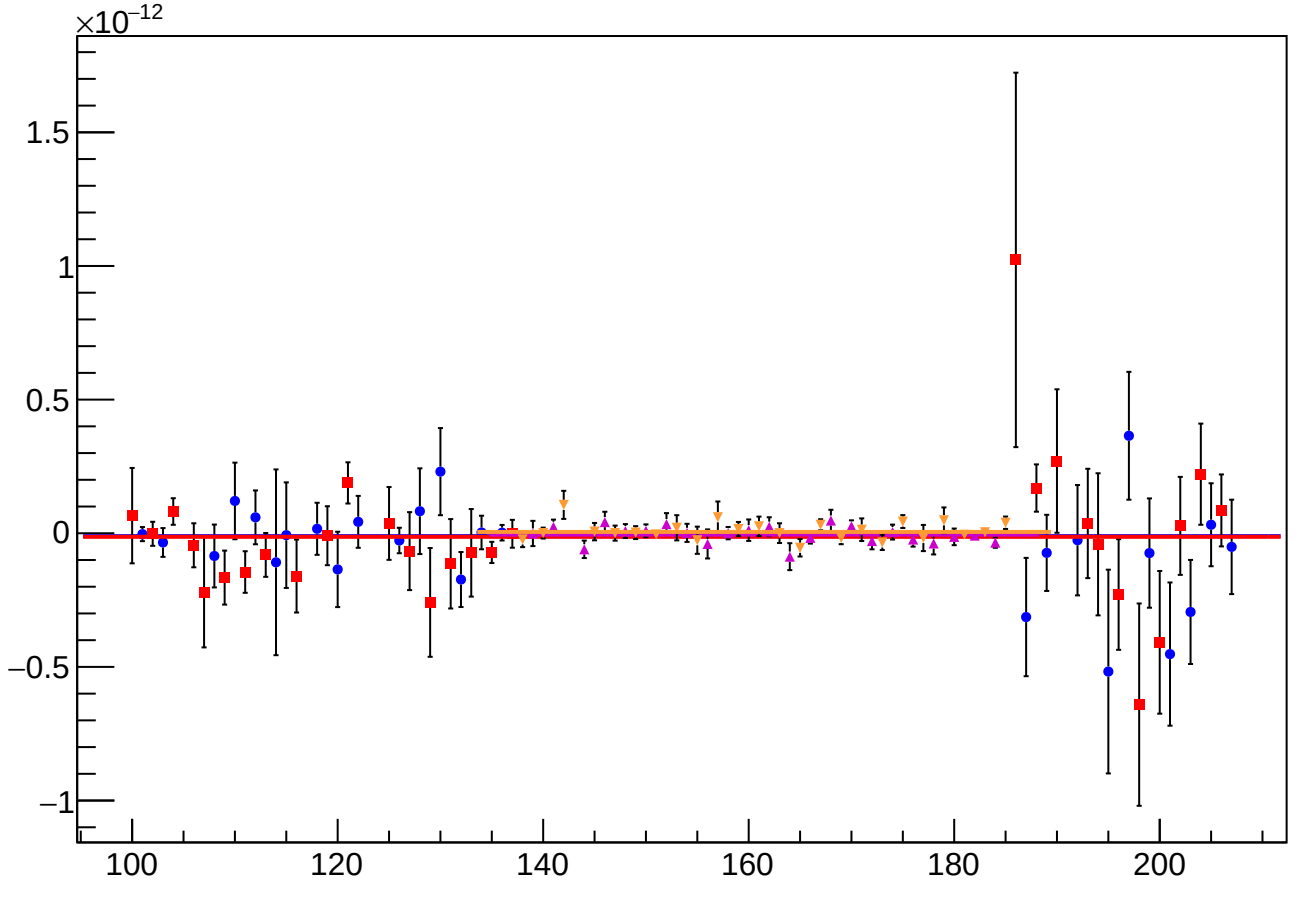
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1616.529+/-0.209 χ^2/NDF: 1810111.1/54

In: 1595.111+/-0.198 χ^2/NDF:1649564.1/48

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

All: 1612.214+/-0.140 χ^2/NDF: 3300395.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.0/25

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

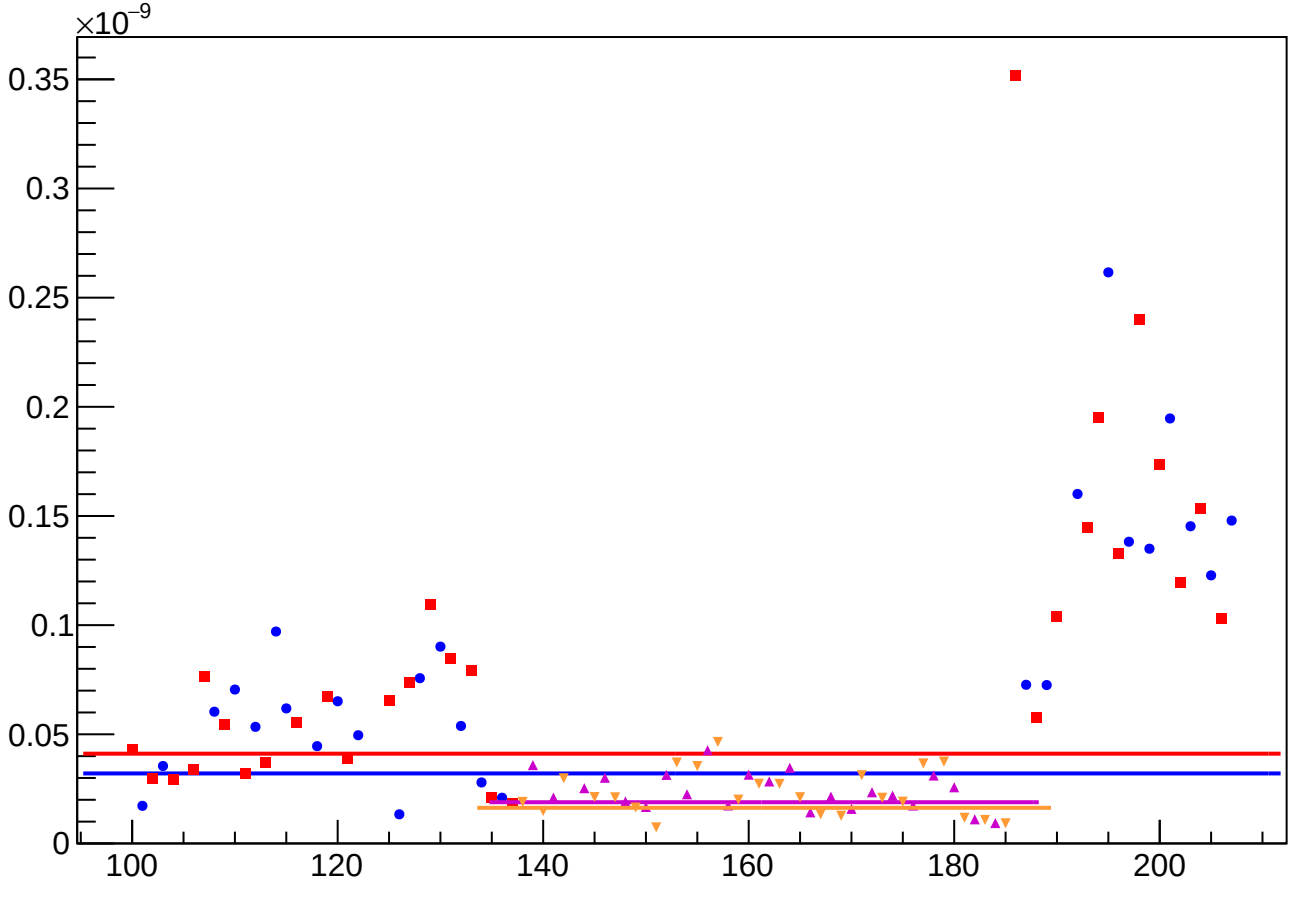
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 59.1/54

In: -0.000+/-0.000 χ^2/NDF:39.5/48

Out: 0.000+/-0.000 χ^2/NDF:61.1/52

All: -0.000+/-0.000 χ^2/NDF: 102.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 7994021.9/25

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

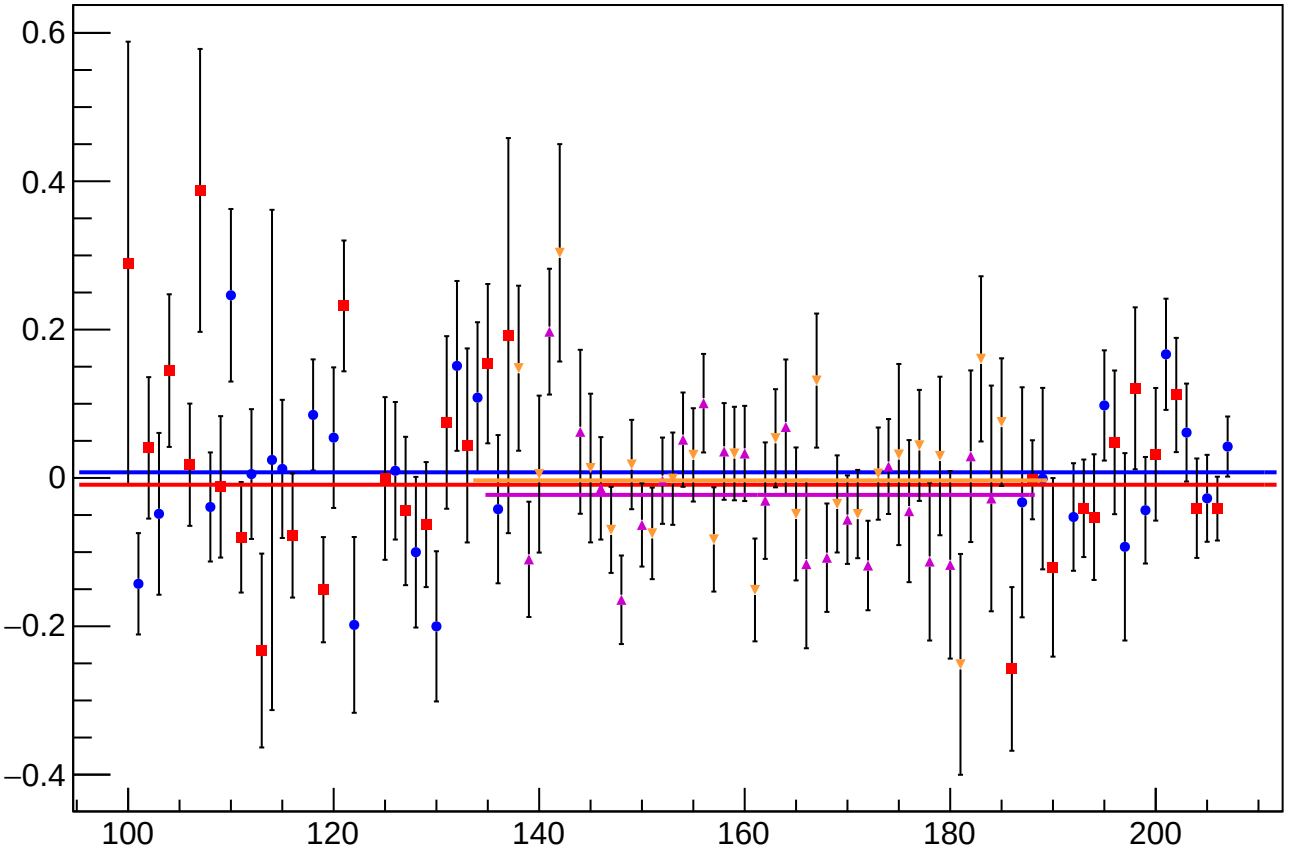
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

Right: 0.000+/-0.000 χ^2/NDF: 15043795.6/54

In: 0.000+/-0.000 χ^2/NDF:12635960.1/48

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

All: 0.000+/-0.000 χ^2/NDF: 27577824.2/101



Right In: 0.008+/-0.016 χ^2/NDF: 31.8/25

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

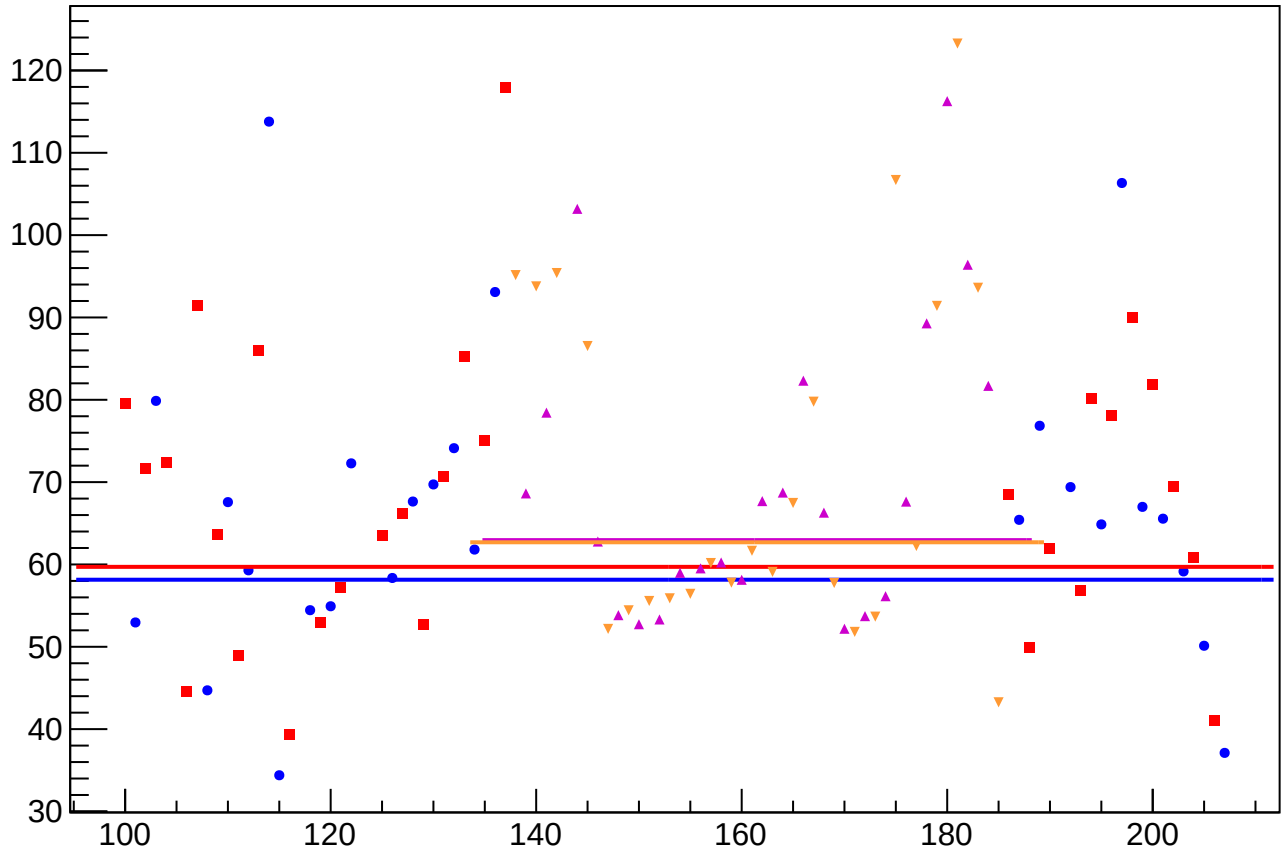
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.011 χ^2/NDF: 72.0/54

In: -0.008+/-0.011 χ^2/NDF:62.6/48

Out: -0.006+/-0.011 χ^2/NDF:65.6/52

All: -0.007+/-0.008 χ^2/NDF: 128.3/101



Right In: 58.146+/-0.011 χ^2/NDF: 1754507.5/25

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

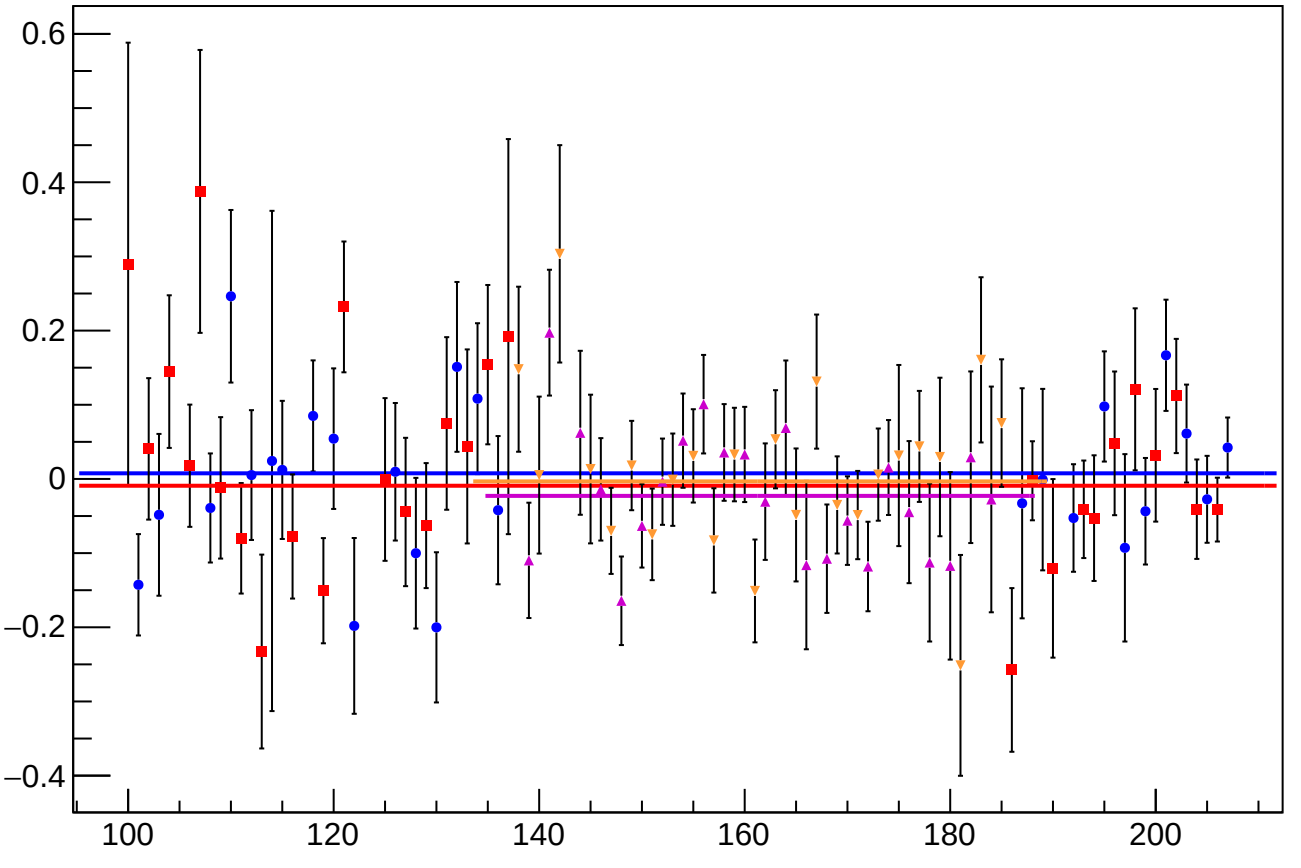
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

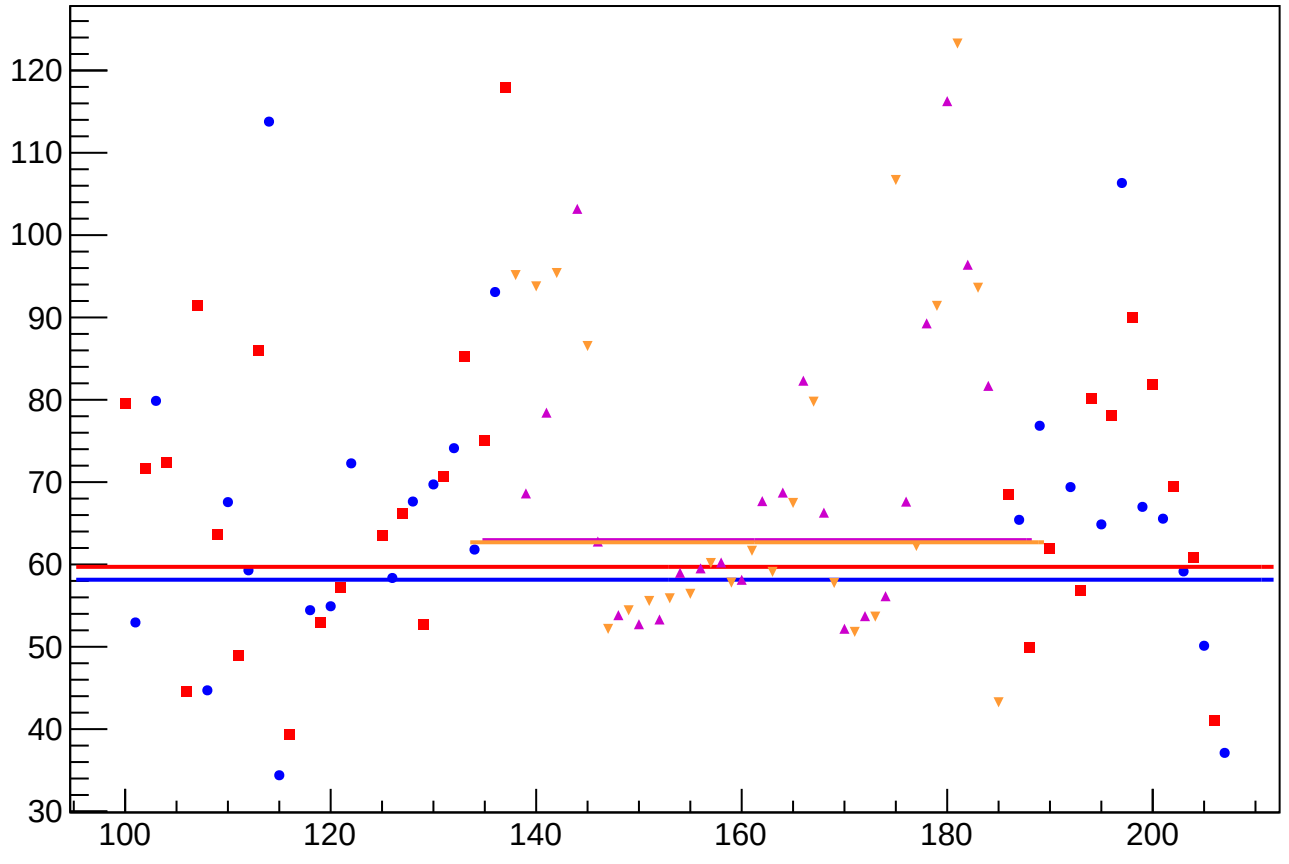
Right: 58.936+/-0.008 χ^2/NDF: 3436158.7/54

In: 60.661+/-0.008 χ^2/NDF:3276871.7/48

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

All: 60.959+/-0.006 χ^2/NDF: 6927183.4/101


asym_us_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: 0.008+/-0.016 χ²/NDF: 31.8/25
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.009+/-0.016 χ²/NDF: 39.7/28
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.001+/-0.011 χ²/NDF: 72.0/54
In: -0.008+/-0.011 χ²/NDF:62.6/48
Out: -0.006+/-0.011 χ²/NDF:65.6/52
All: -0.007+/-0.008 χ²/NDF: 128.3/101



Right In: 58.146+/-0.011 χ^2/NDF: 1754507.5/25

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

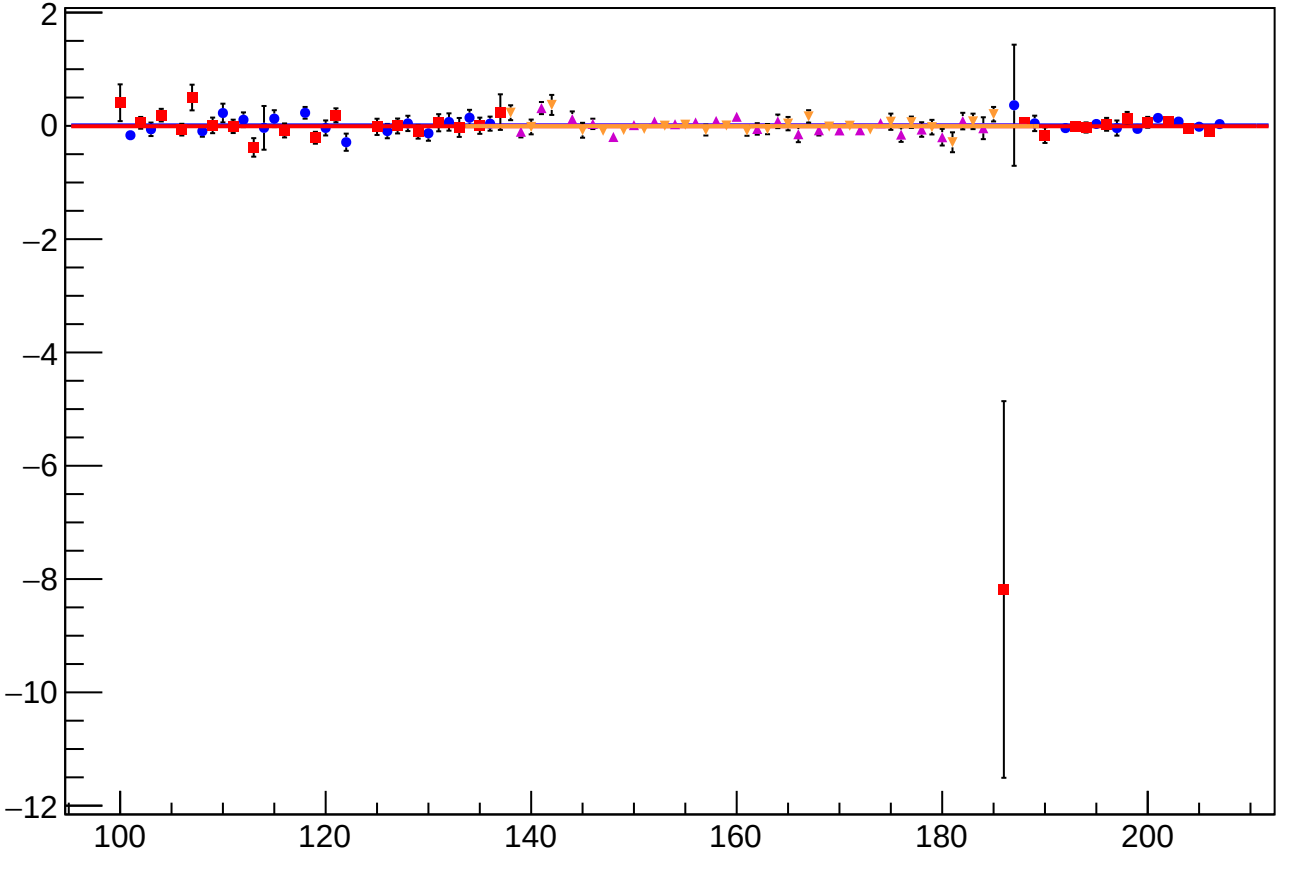
Right: 58.936+/-0.008 χ^2/NDF: 3436158.7/54

In: 60.661+/-0.008 χ^2/NDF:3276871.7/48

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

All: 60.959+/-0.006 χ^2/NDF: 6927183.4/101

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.020 χ^2/NDF: 25.5/25

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

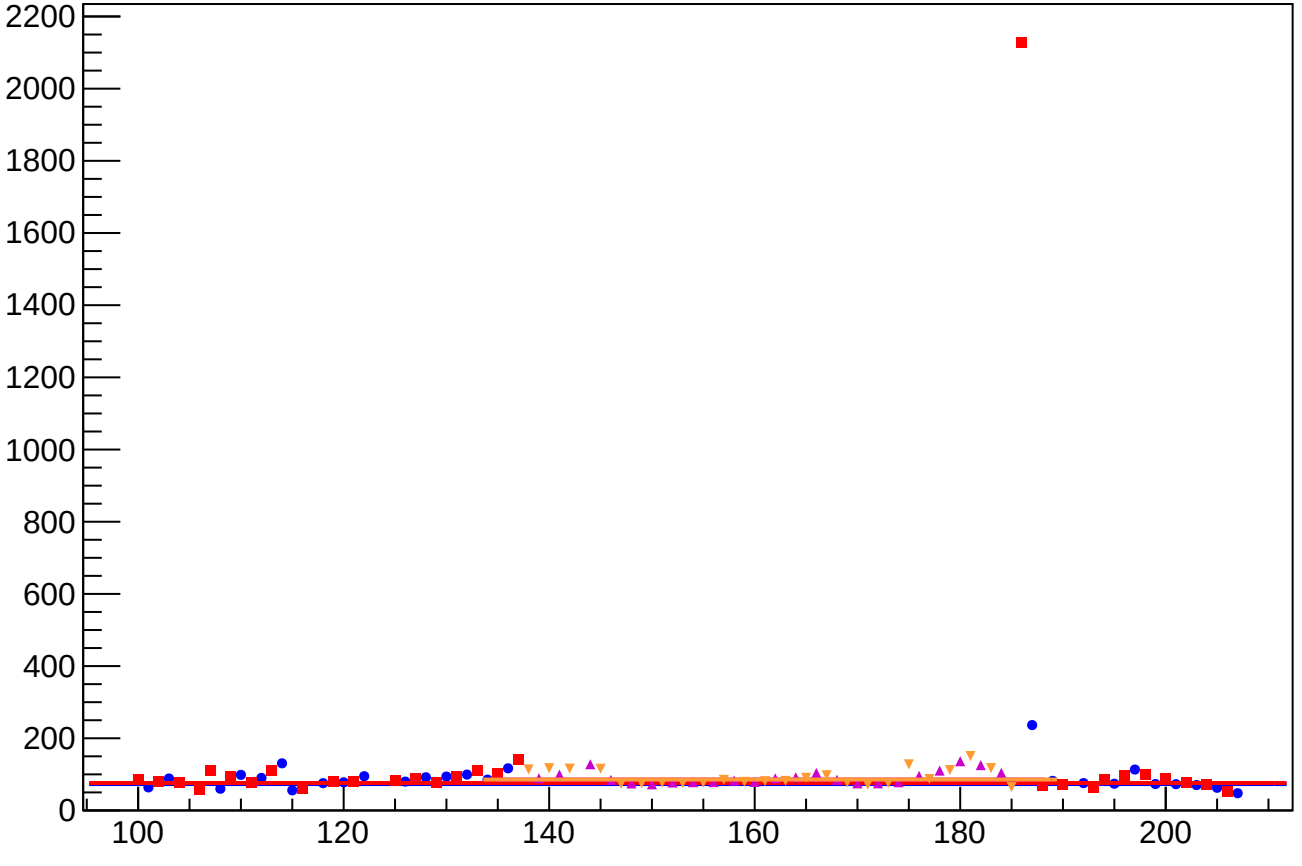
Right: 0.001+/-0.014 χ^2/NDF: 63.8/54

In: 0.005+/-0.014 χ^2/NDF:56.1/48

Out: -0.006+/-0.014 χ^2/NDF:59.4/52

All: -0.000+/-0.010 χ^2/NDF: 115.8/101

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.116+/-0.014 χ^2/NDF: 1472874.8/25

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

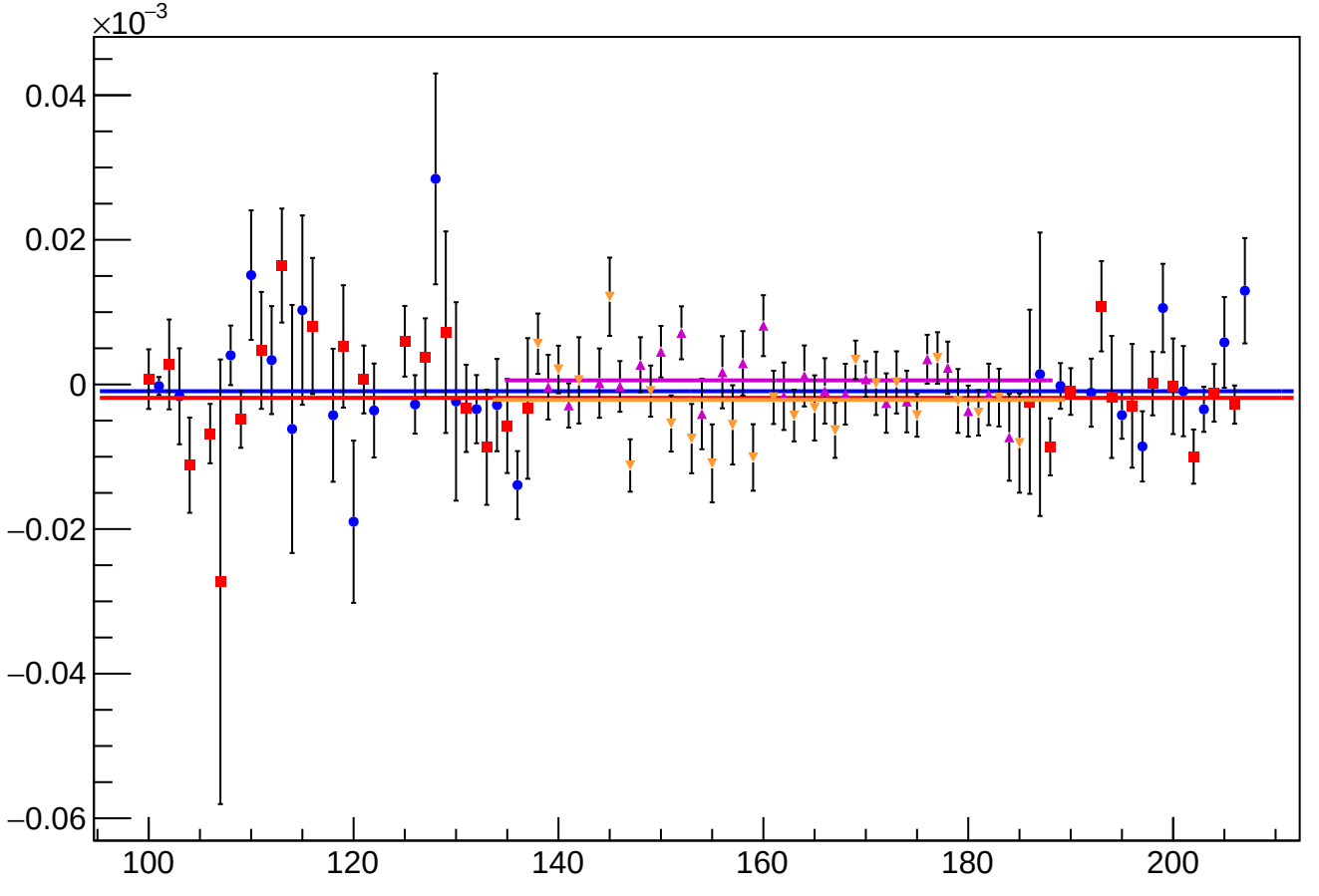
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 74.579+/-0.010 χ^2/NDF: 3445376.3/54

In: 79.234+/-0.010 χ^2/NDF:2847424.5/48

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

All: 79.991+/-0.007 χ^2/NDF: 6382289.2/101



Right In: -0.000+/-0.000 χ^2/NDF: 33.8/25

Left Out: -0.000+/-0.000 χ^2/NDF:37.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.3/28

Left In: 0.000+/-0.000 χ^2/NDF:16.6/22

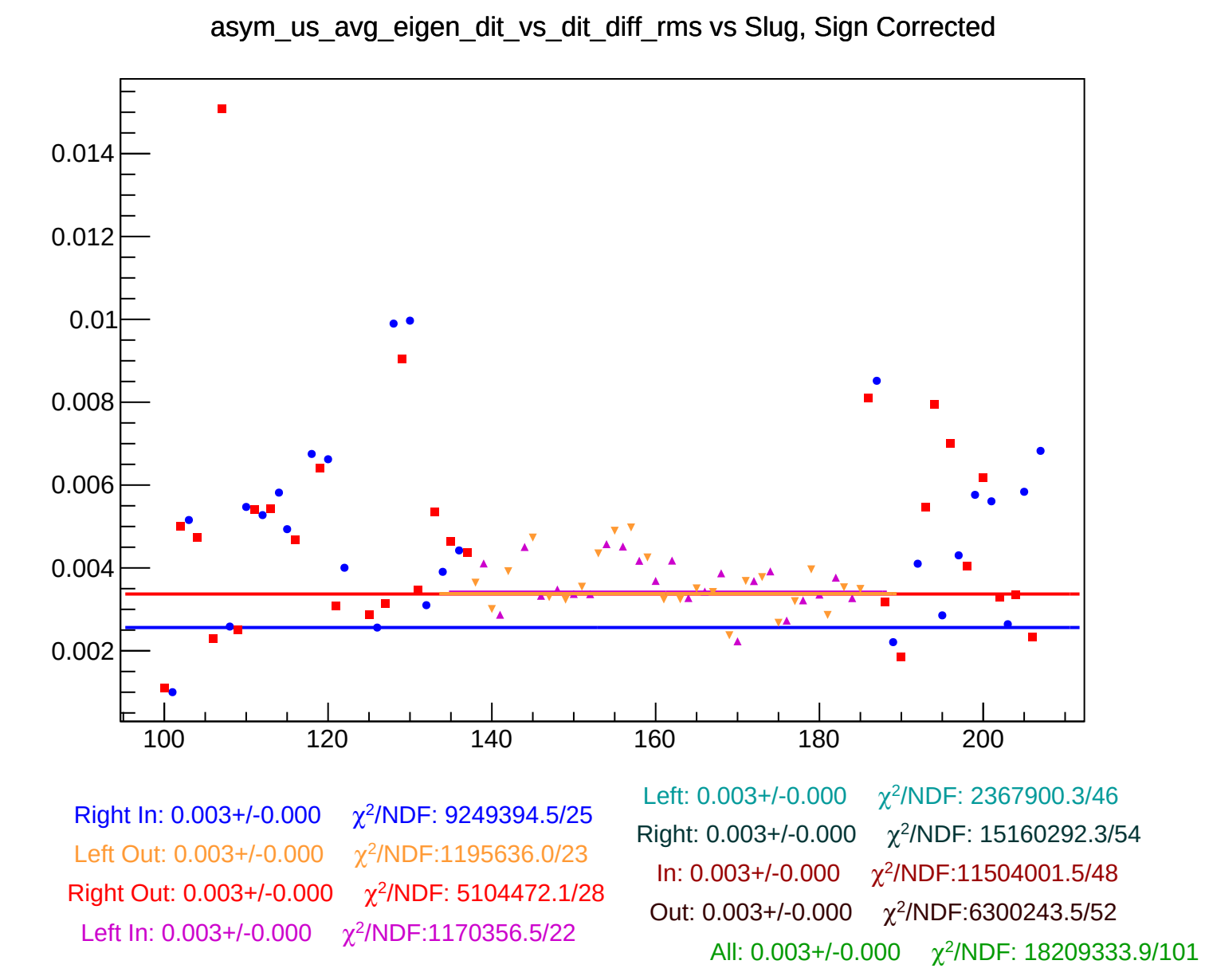
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

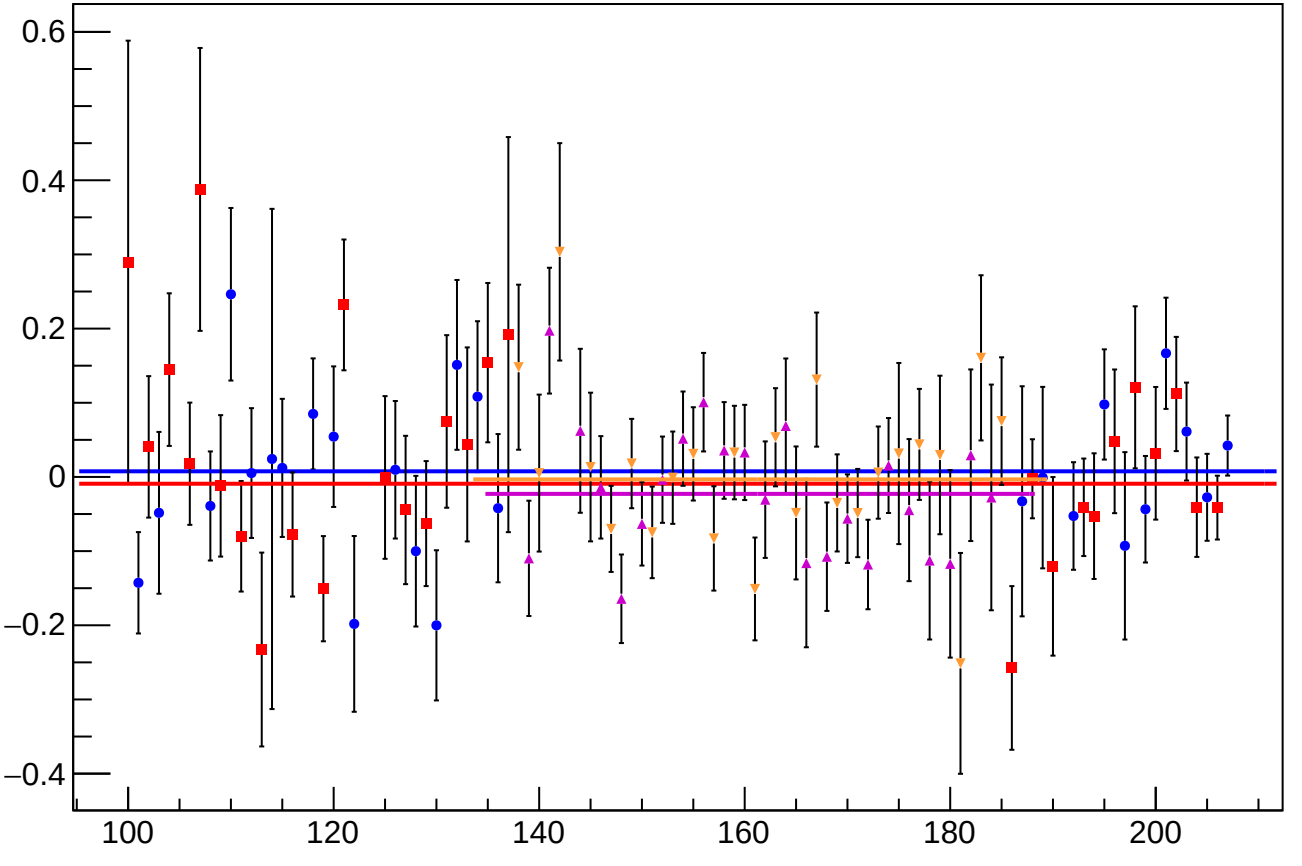
Right: -0.000+/-0.000 χ^2/NDF: 65.7/54

In: -0.000+/-0.000 χ^2/NDF:52.1/48

Out: -0.000+/-0.000 χ^2/NDF:68.8/52

All: -0.000+/-0.000 χ^2/NDF: 125.6/101


asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 9249394.5/25
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.003+/-0.000 χ²/NDF: 5104472.1/28
Left In: 0.003+/-0.000 χ²/NDF:1170356.5/22
Left: 0.003+/-0.000 χ²/NDF: 2367900.3/46
Right: 0.003+/-0.000 χ²/NDF: 15160292.3/54
In: 0.003+/-0.000 χ²/NDF:11504001.5/48
Out: 0.003+/-0.000 χ²/NDF:6300243.5/52
All: 0.003+/-0.000 χ²/NDF: 18209333.9/101



Right In: 0.008+/-0.016 χ^2/NDF: 31.8/25

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

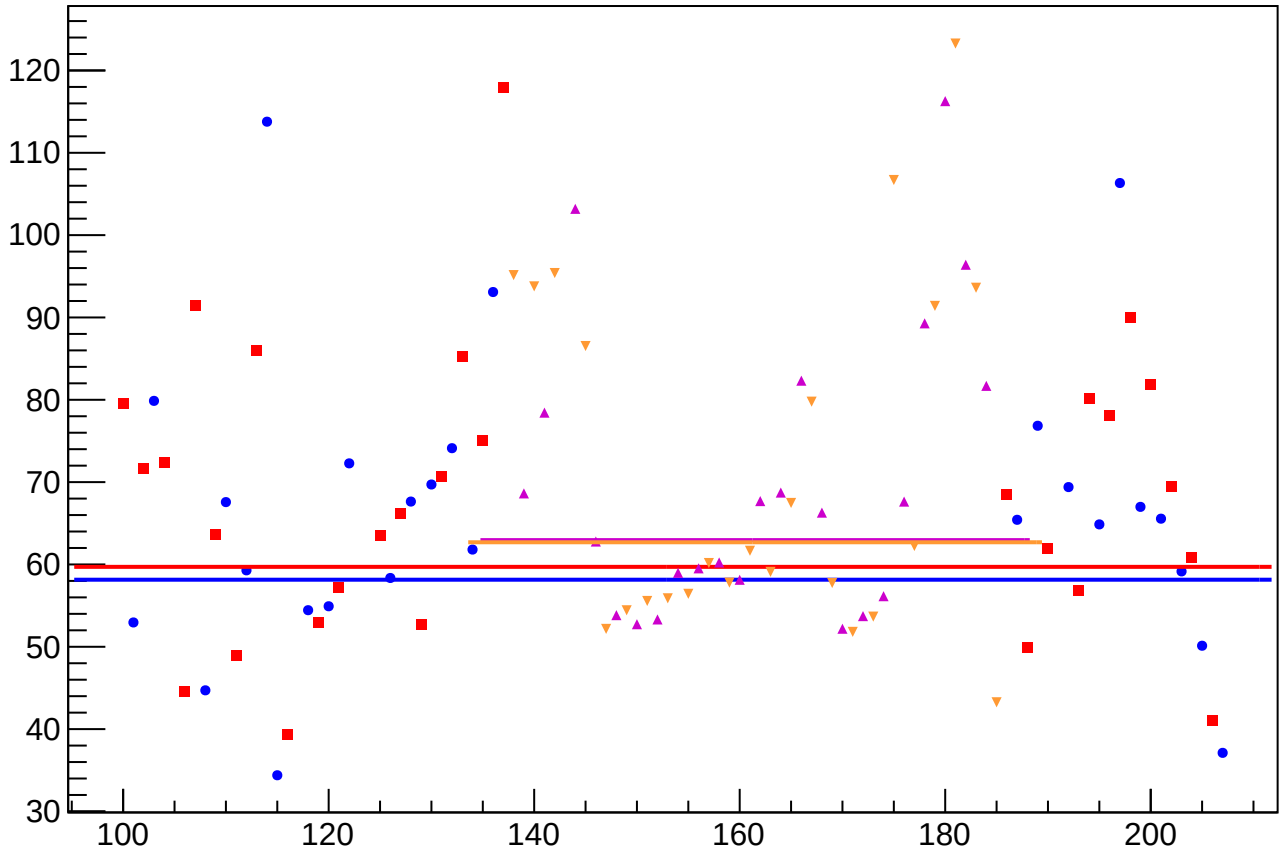
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.011 χ^2/NDF: 72.0/54

In: -0.008+/-0.011 χ^2/NDF:62.6/48

Out: -0.006+/-0.011 χ^2/NDF:65.6/52

All: -0.007+/-0.008 χ^2/NDF: 128.3/101



Right In: 58.146+/-0.011 χ^2/NDF: 1754359.0/25

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

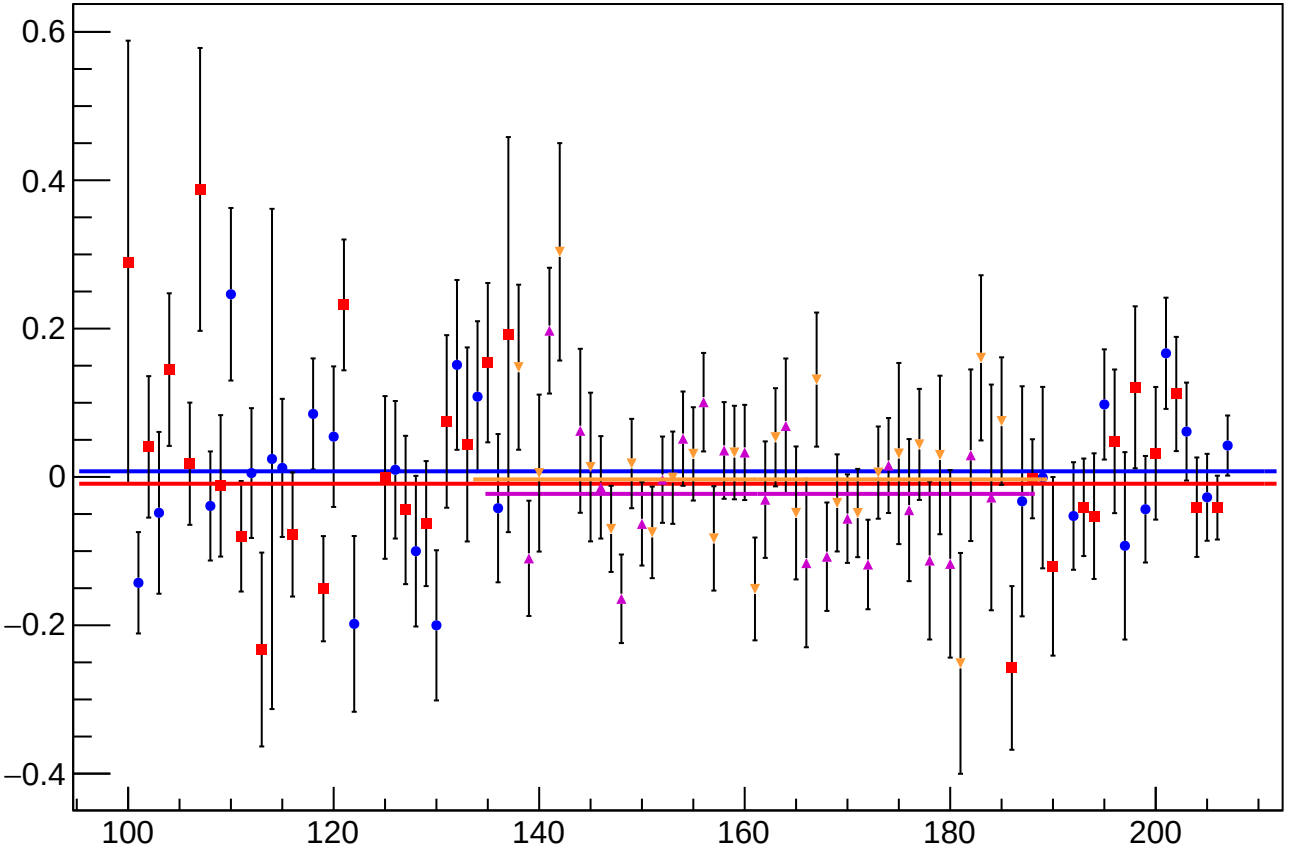
Right: 58.936+/-0.008 χ^2/NDF: 3435845.0/54

In: 60.661+/-0.008 χ^2/NDF:3276702.9/48

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

All: 60.959+/-0.006 χ^2/NDF: 6926856.6/101

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.016 χ^2/NDF: 31.8/25

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

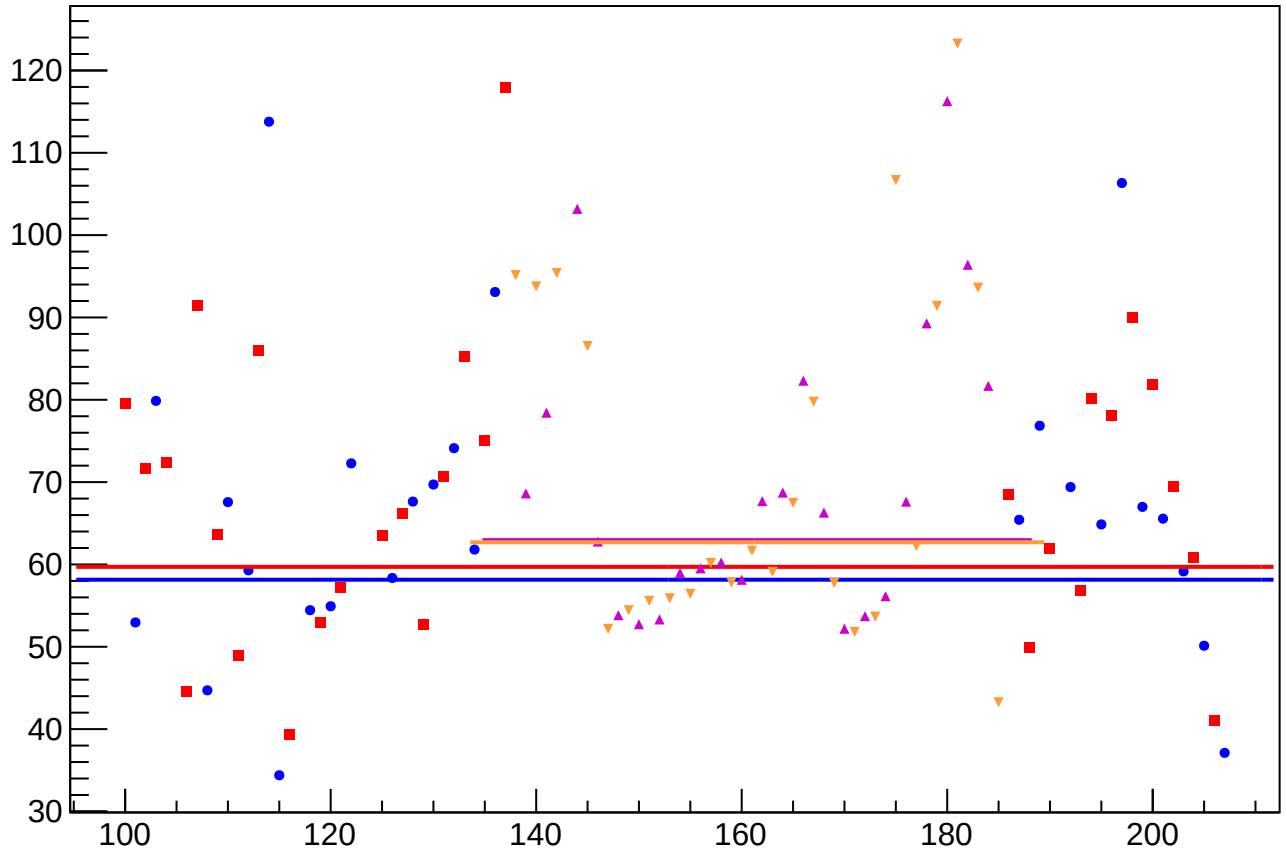
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.001+/-0.011 χ^2/NDF: 72.0/54

In: -0.008+/-0.011 χ^2/NDF:62.6/48

Out: -0.006+/-0.011 χ^2/NDF:65.6/52

All: -0.007+/-0.008 χ^2/NDF: 128.3/101



Right In: 58.146+/-0.011 χ^2/NDF: 1754359.0/25

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

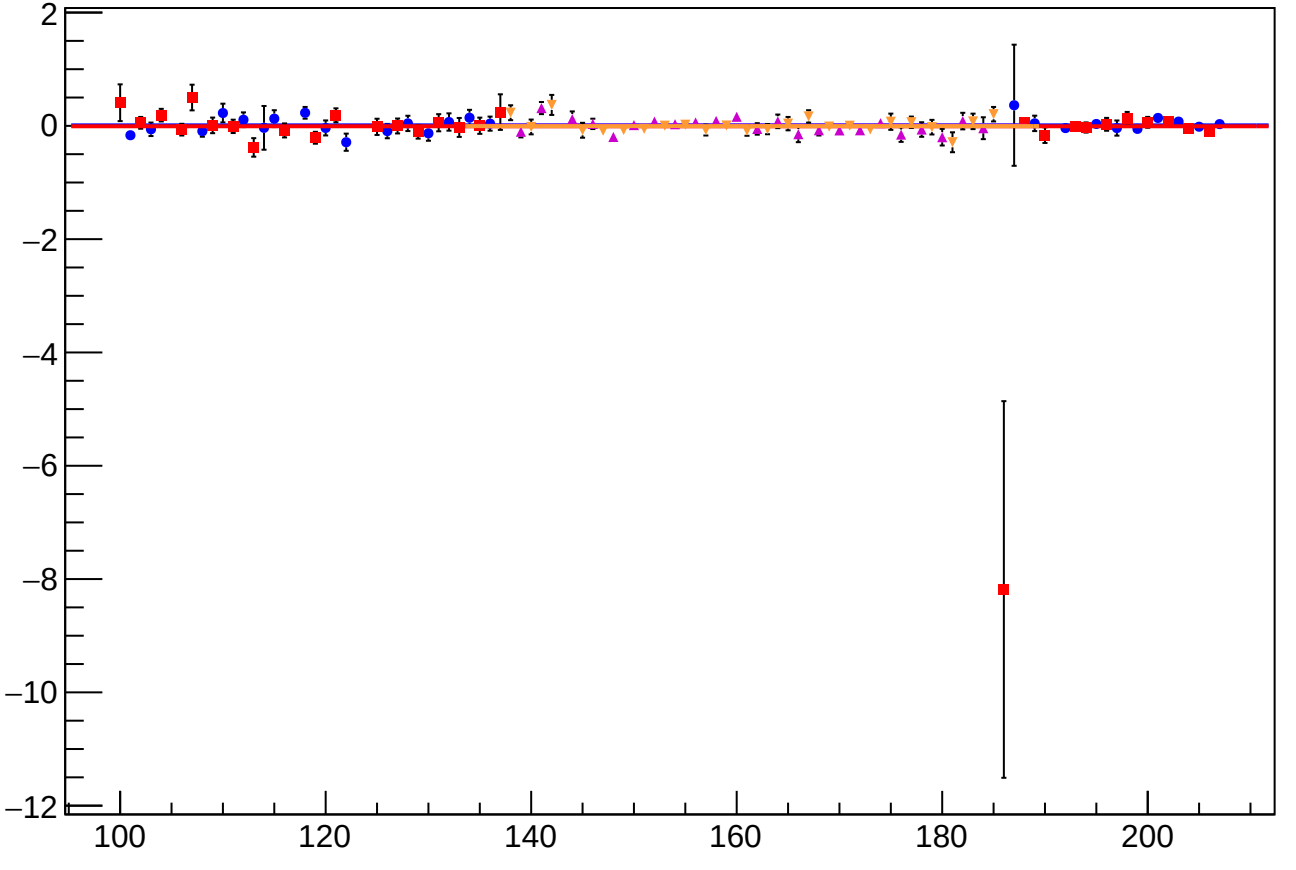
Right: 58.936+/-0.008 χ^2/NDF: 3435845.0/54

In: 60.661+/-0.008 χ^2/NDF:3276702.9/48

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

All: 60.959+/-0.006 χ^2/NDF: 6926856.6/101

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.020 χ^2/NDF: 25.5/25

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

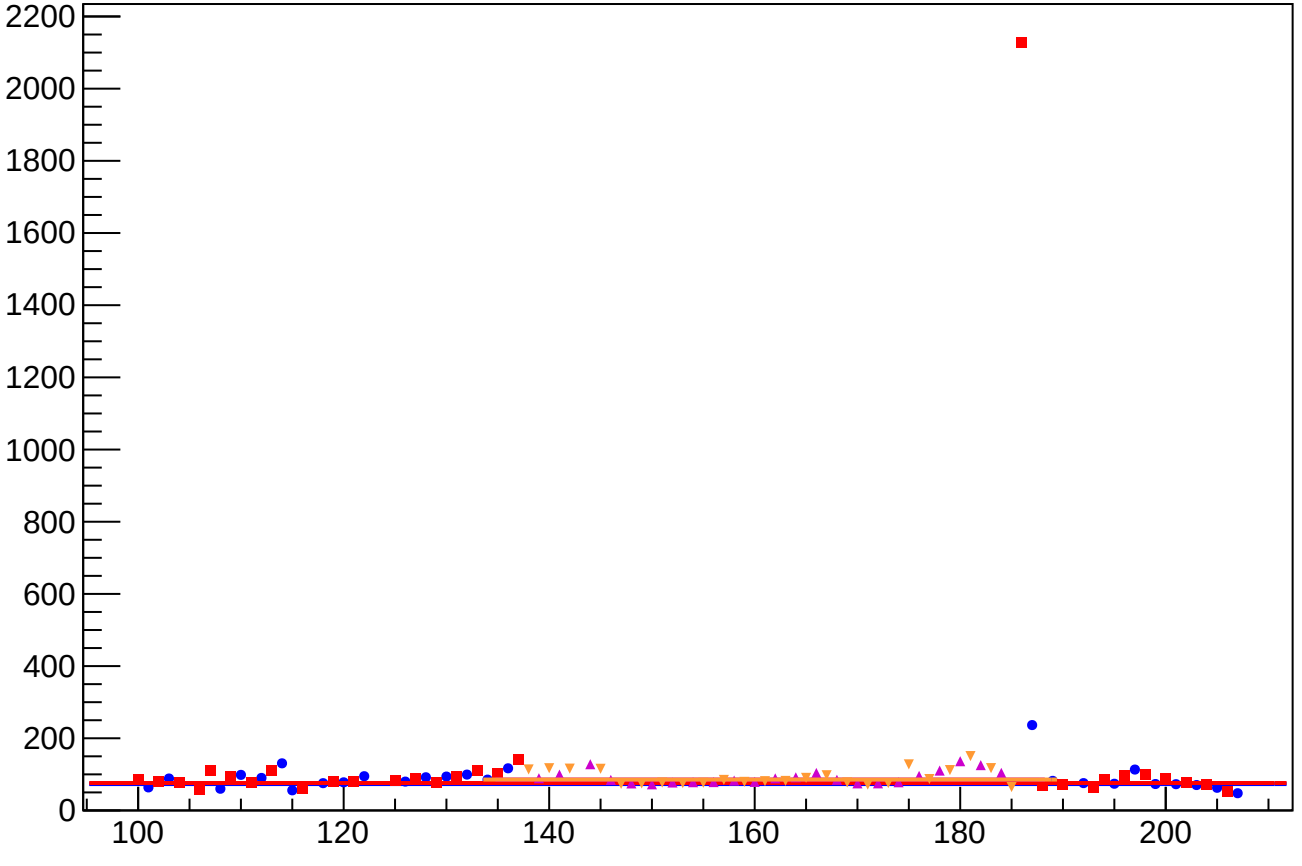
Right: 0.001+/-0.014 χ^2/NDF: 63.8/54

In: 0.005+/-0.014 χ^2/NDF:56.1/48

Out: -0.006+/-0.014 χ^2/NDF:59.4/52

All: -0.000+/-0.010 χ^2/NDF: 115.8/101

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 73.116+/-0.014 χ^2/NDF: 1472741.3/25

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

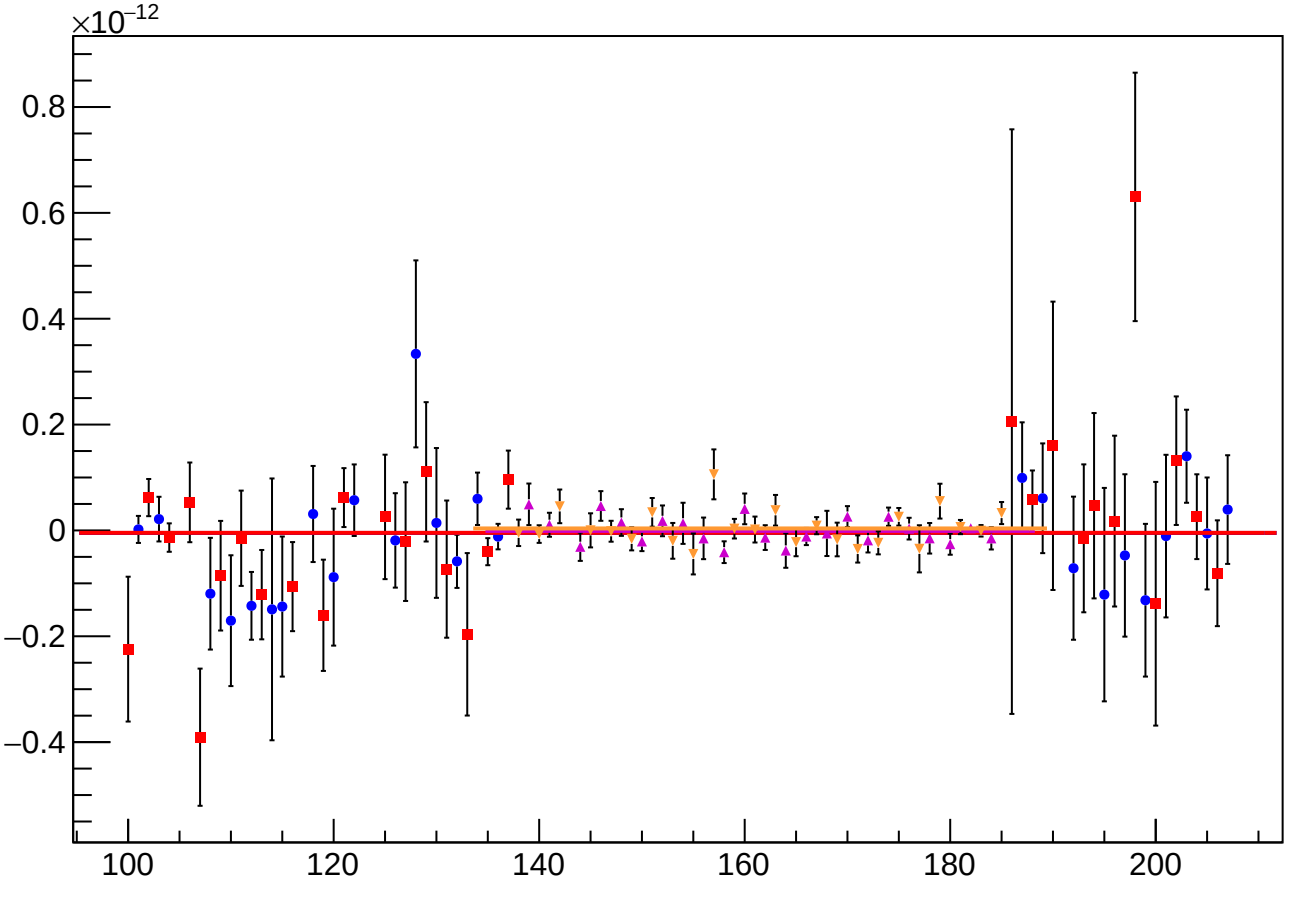
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 74.579+/-0.010 χ^2/NDF: 3445140.9/54

In: 79.234+/-0.010 χ^2/NDF:2847278.6/48

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

All: 79.991+/-0.007 χ^2/NDF: 6382059.5/101



Right In: -0.000+/-0.000 χ^2/NDF: 23.3/25

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

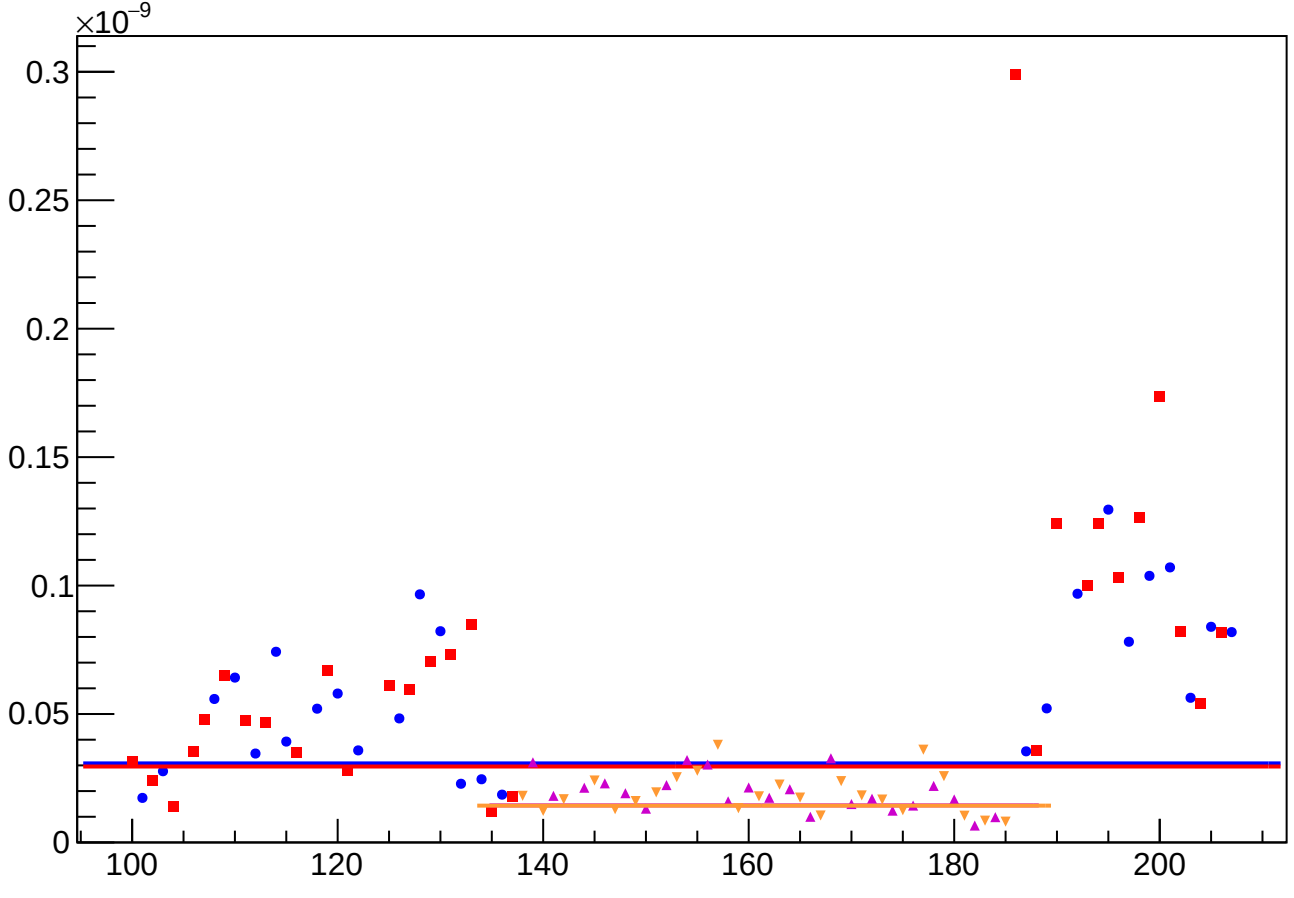
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 66.2/54

In: -0.000+/-0.000 χ^2/NDF:47.0/48

Out: 0.000+/-0.000 χ^2/NDF:68.3/52

All: 0.000+/-0.000 χ^2/NDF: 115.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 5730694.2/25

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

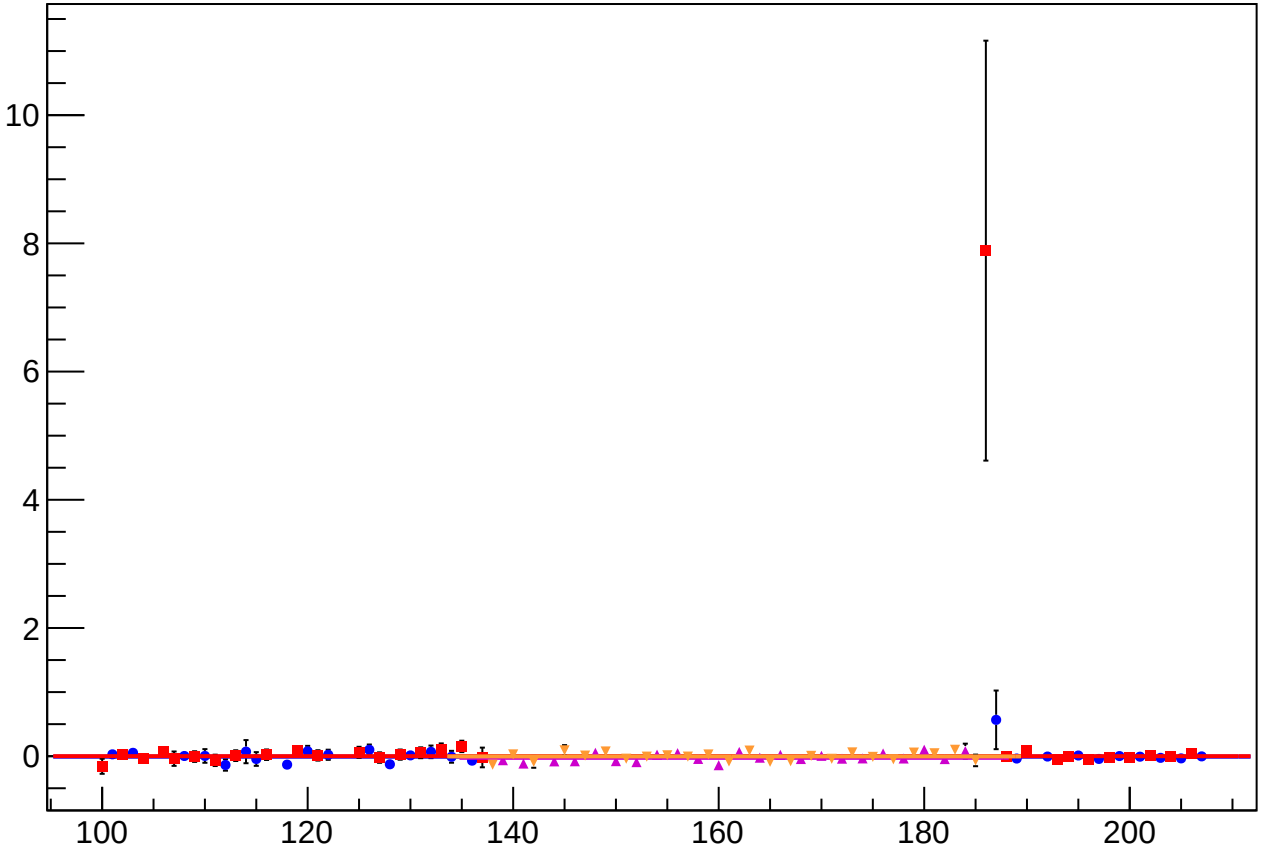
Right: 0.000+/-0.000 χ^2/NDF: 13647603.9/54

In: 0.000+/-0.000 χ^2/NDF:13031599.4/48

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

All: 0.000+/-0.000 χ^2/NDF: 27199164.8/101

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 20.8/25

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

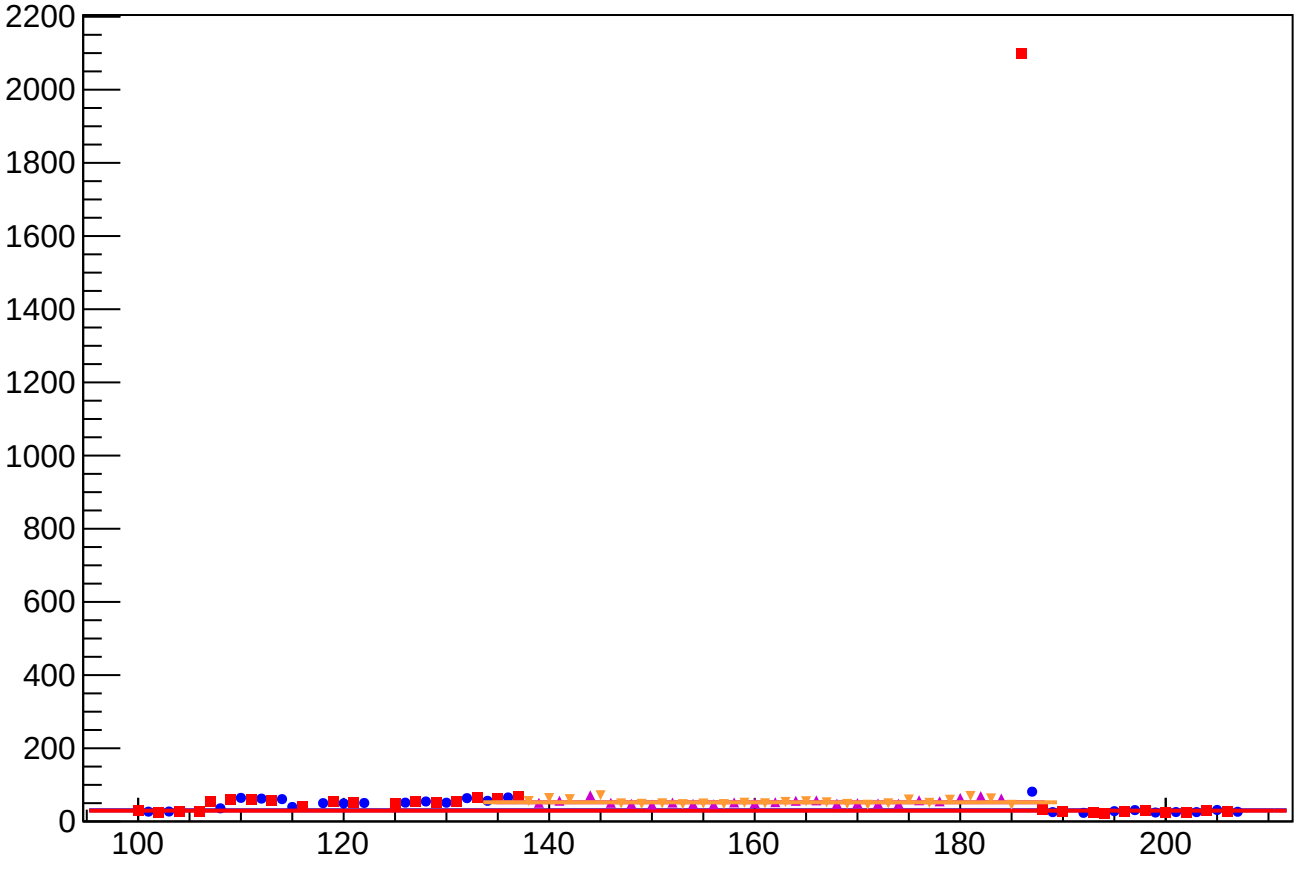
Right: -0.003+/-0.006 χ^2/NDF: 53.7/54

In: -0.013+/-0.007 χ^2/NDF:46.5/48

Out: -0.001+/-0.007 χ^2/NDF:55.6/52

All: -0.007+/-0.005 χ^2/NDF: 103.8/101

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.443+/-0.006 χ^2/NDF: 2836680.1/25

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

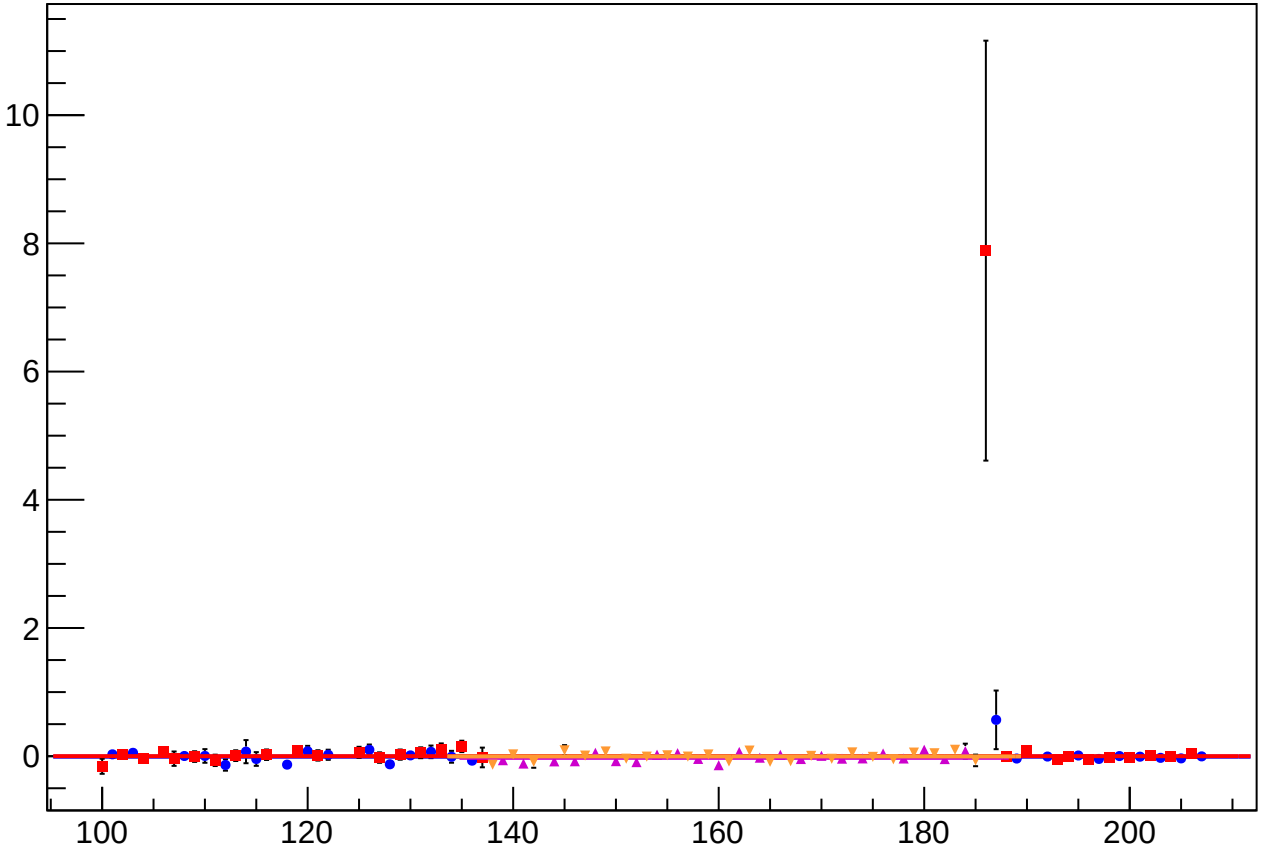
Right: 29.983+/-0.004 χ^2/NDF: 6679406.8/54

In: 37.503+/-0.005 χ^2/NDF:7500464.1/48

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

All: 36.951+/-0.003 χ^2/NDF: 16584377.9/101

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.009 χ^2/NDF: 20.8/25

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

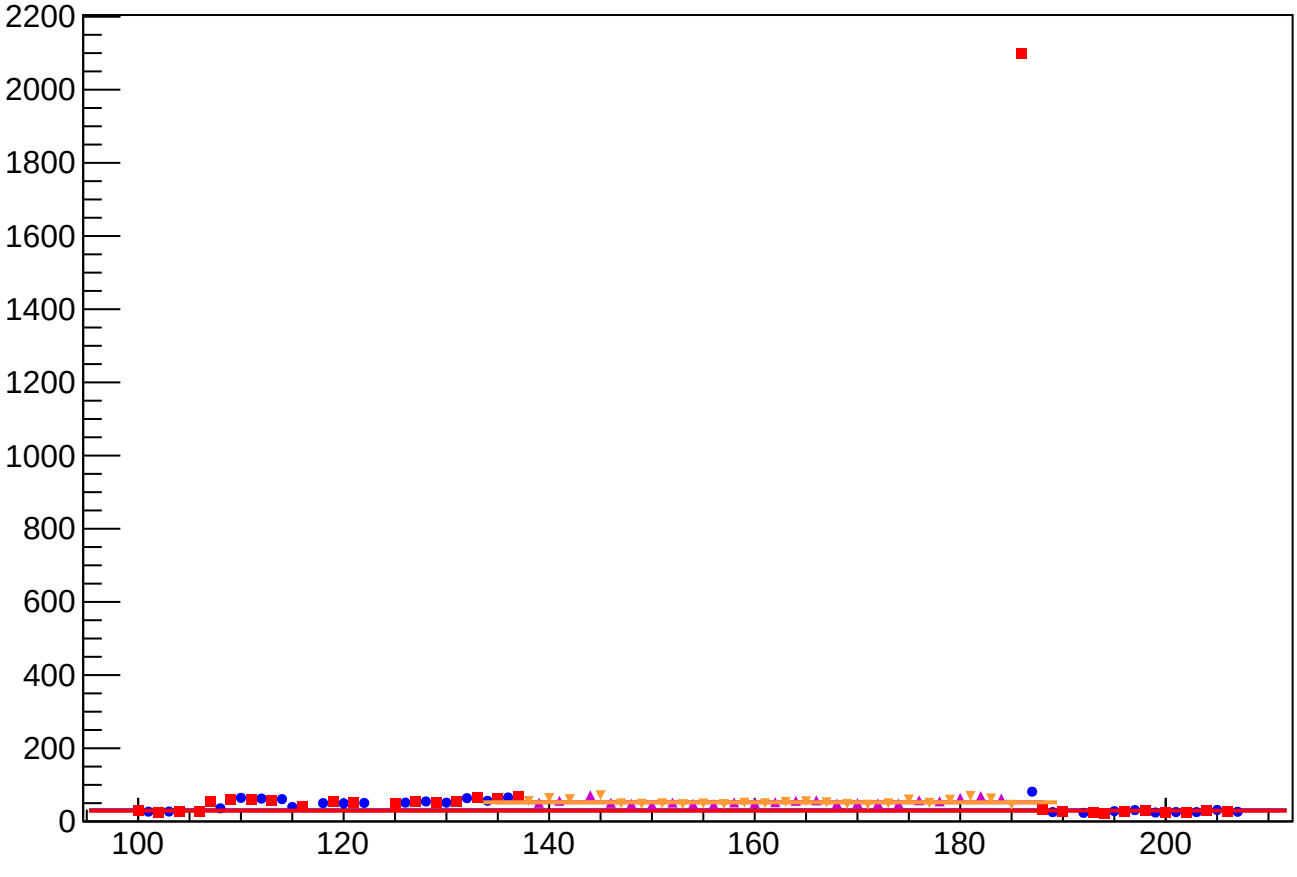
Right: -0.003+/-0.006 χ^2/NDF: 53.7/54

In: -0.013+/-0.007 χ^2/NDF:46.5/48

Out: -0.001+/-0.007 χ^2/NDF:55.6/52

All: -0.007+/-0.005 χ^2/NDF: 103.8/101

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.443+/-0.006 χ^2/NDF: 2836680.1/25

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

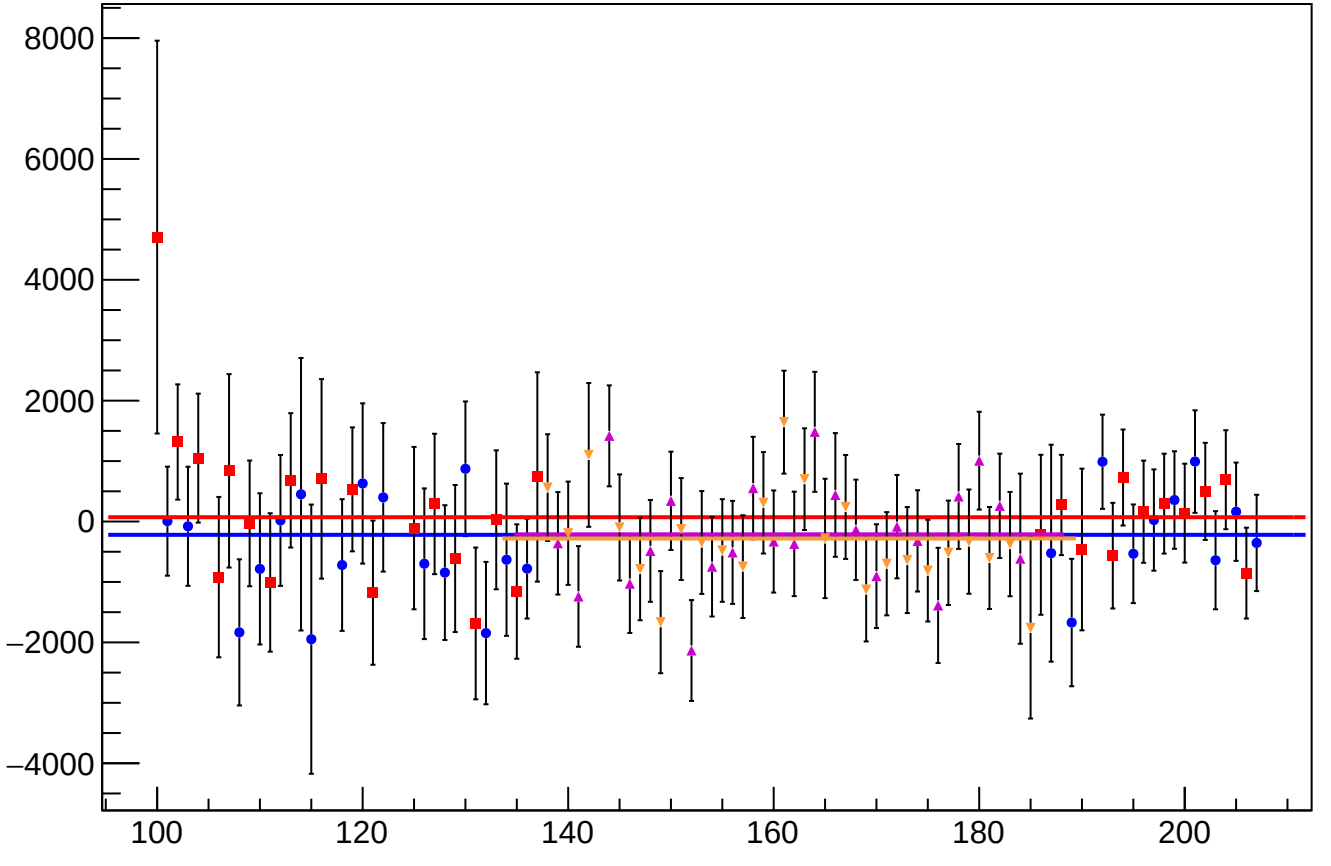
Right: 29.983+/-0.004 χ^2/NDF: 6679406.8/54

In: 37.503+/-0.005 χ^2/NDF:7500464.1/48

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

All: 36.951+/-0.003 χ^2/NDF: 16584377.9/101

reg_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -219.969+/-198.879 χ^2/NDF: 15.2/25

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

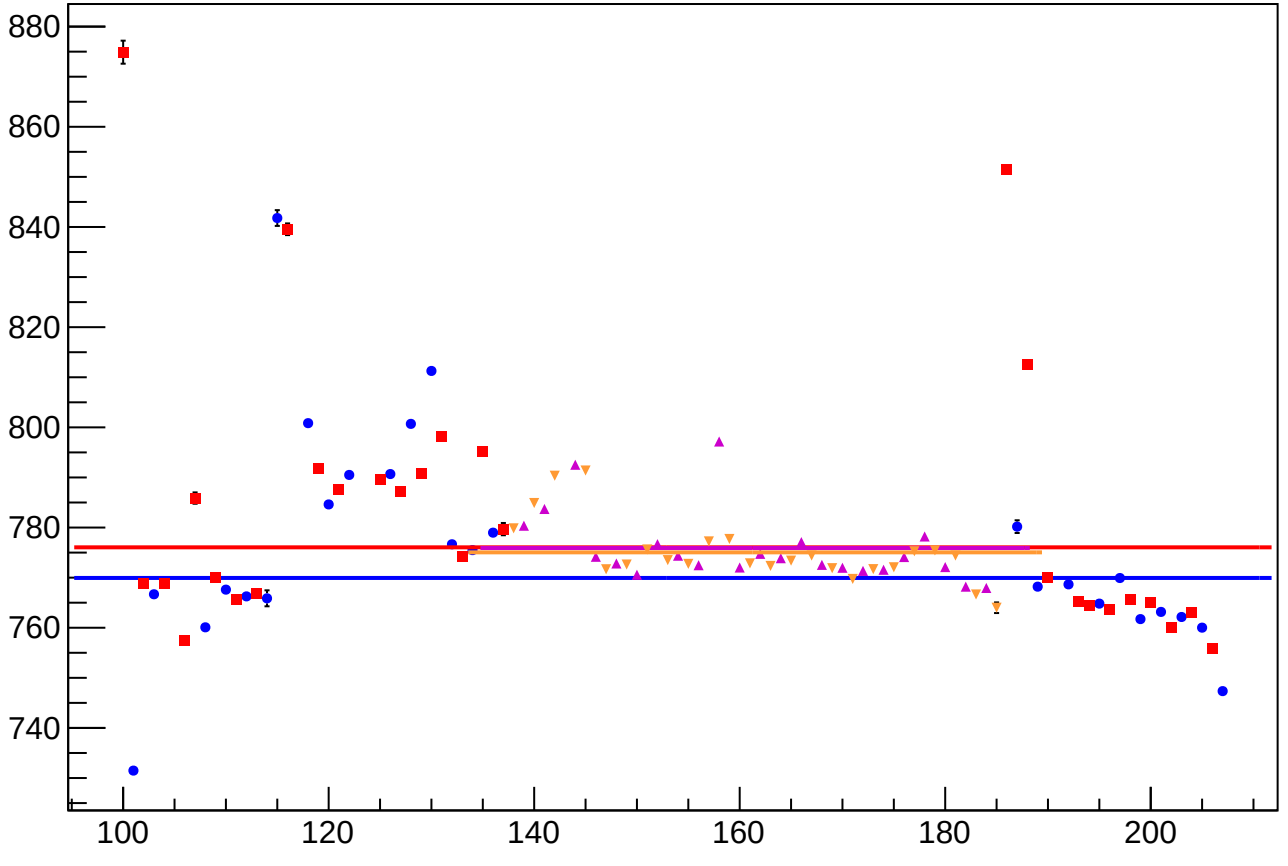
Right: -70.359+/-138.708 χ^2/NDF: 32.0/54

In: -216.393+/-133.930 χ^2/NDF:37.6/48

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

All: -166.074+/-93.928 χ^2/NDF: 71.3/101

reg_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.940+/-0.141 χ^2/NDF: 16067.0/25

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

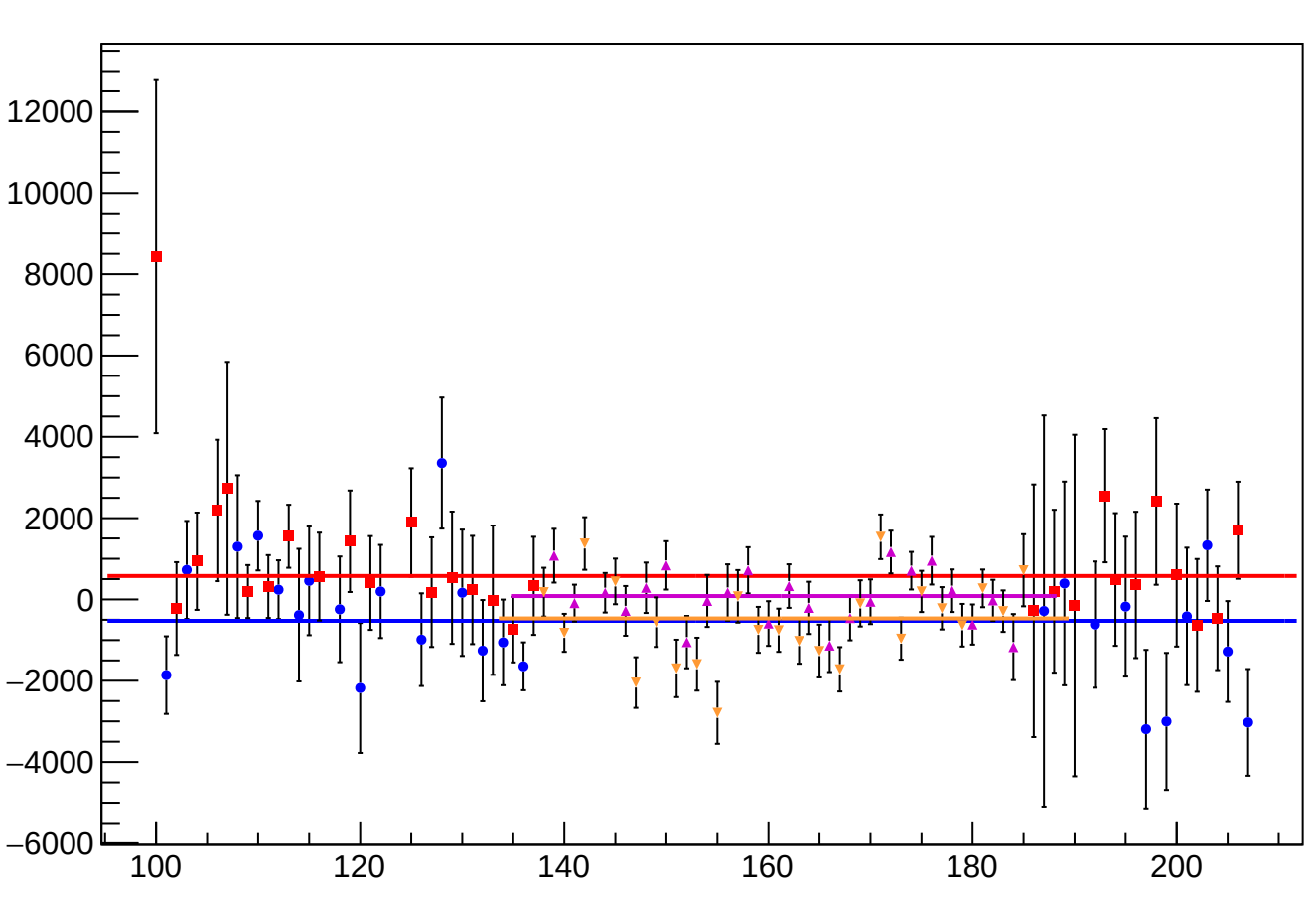
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 773.078+/-0.098 χ^2/NDF: 40481.0/54

In: 773.209+/-0.095 χ^2/NDF:20028.7/48

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

All: 774.380+/-0.066 χ^2/NDF: 45753.9/101



Right In: -526.860+/-237.406 χ^2/NDF: 33.7/25

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

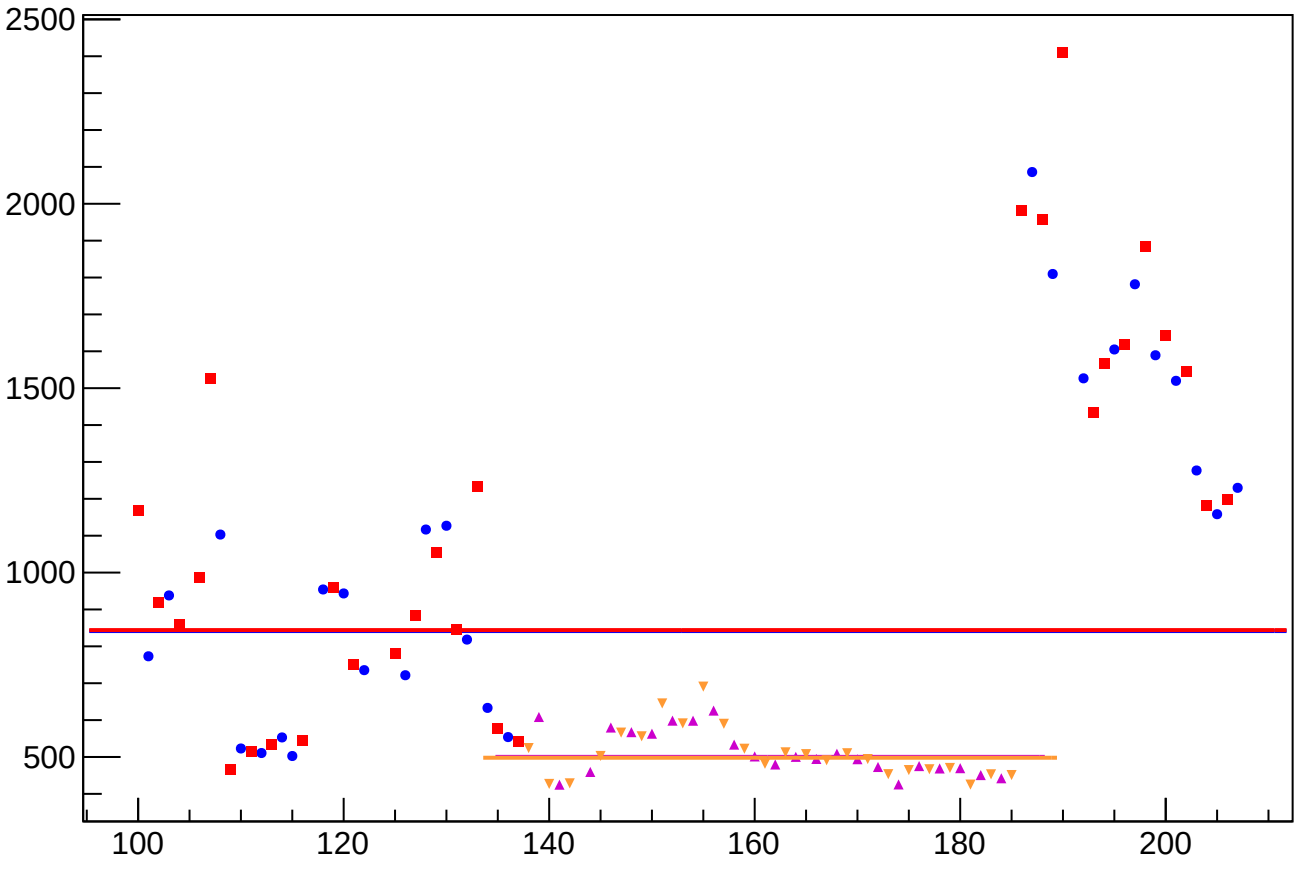
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 31.853+/-166.834 χ^2/NDF: 60.8/54

In: -37.378+/-105.529 χ^2/NDF:67.1/48

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

All: -149.722+/-74.249 χ^2/NDF: 165.9/101



Right In: 841.450+/-0.168 χ^2/NDF: 4600546.1/25

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

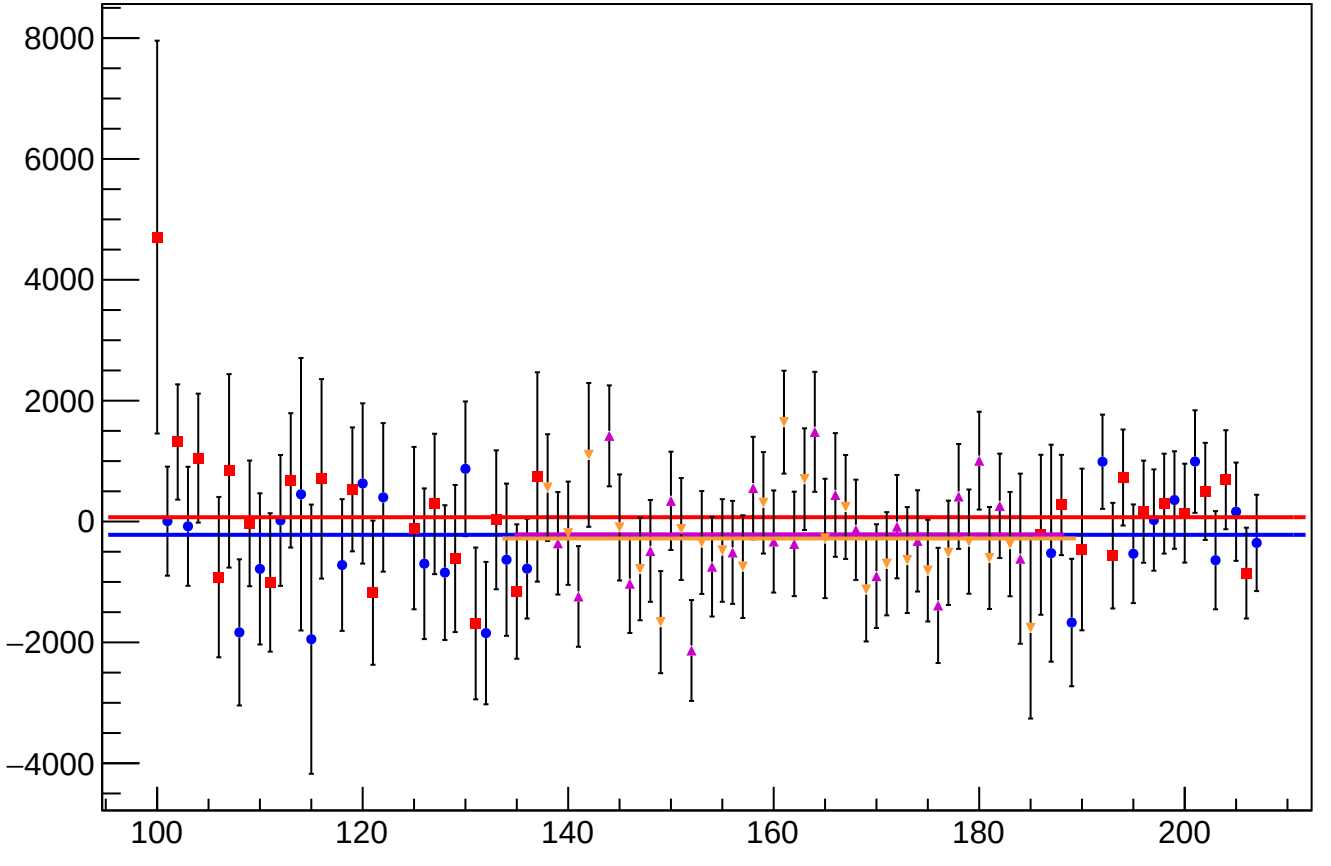
Right: 842.768+/-0.118 χ^2/NDF: 10535876.1/54

In: 567.713+/-0.075 χ^2/NDF:8391666.6/48

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

All: 567.190+/-0.053 χ^2/NDF: 18345431.8/10

cor_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -219.969+/-198.879 χ^2/NDF: 15.2/25

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

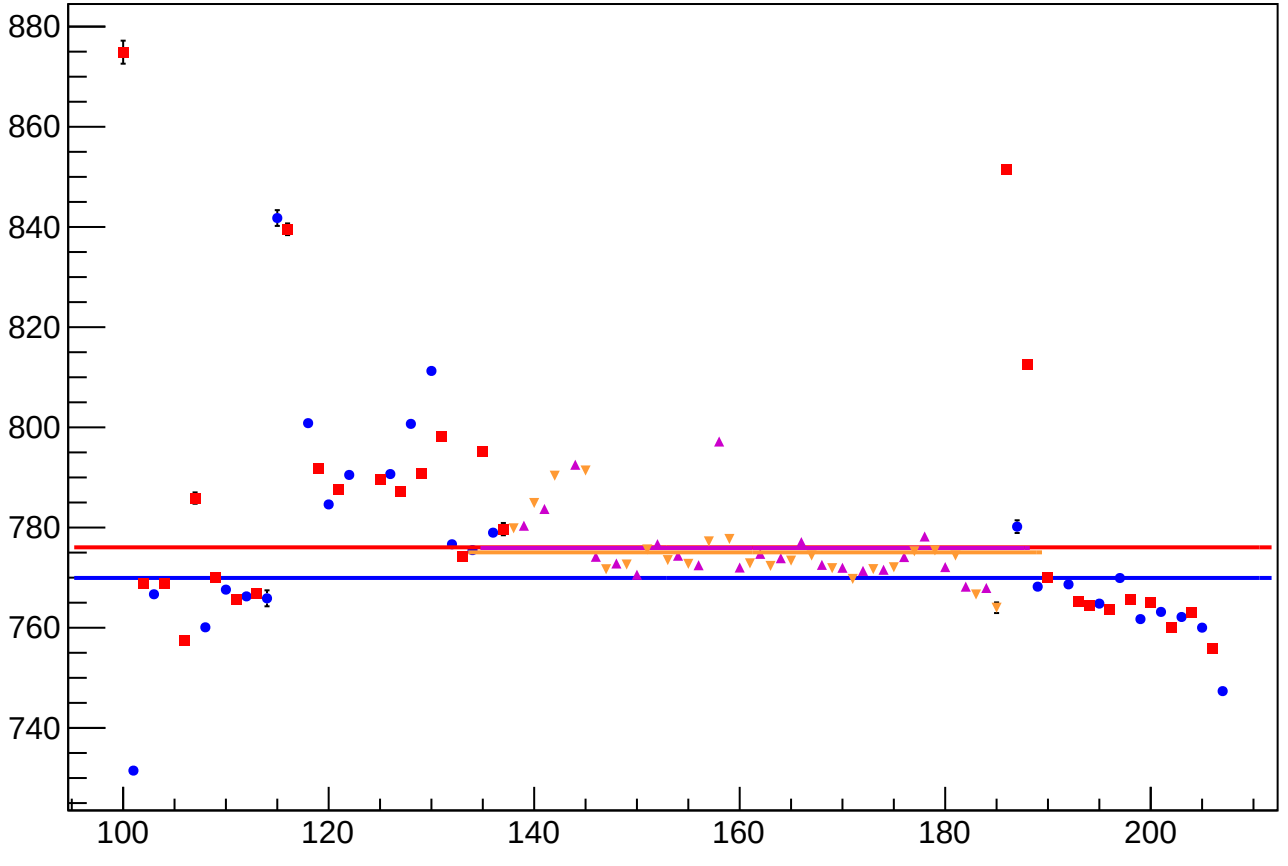
Right: -70.359+/-138.708 χ^2/NDF: 32.0/54

In: -216.393+/-133.930 χ^2/NDF:37.6/48

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

All: -166.074+/-93.928 χ^2/NDF: 71.3/101

cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 769.940+/-0.141 χ^2/NDF: 16067.0/25

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

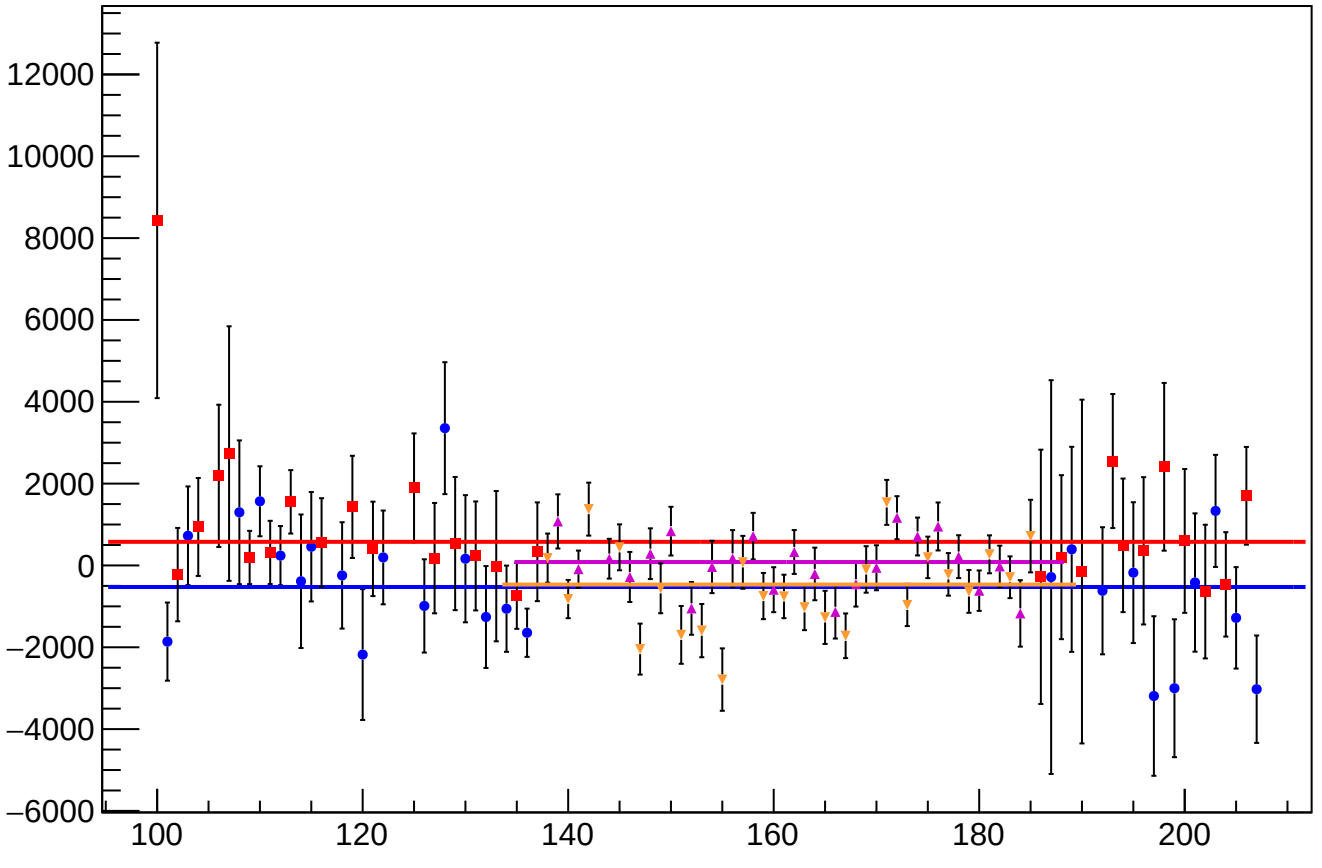
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 773.078+/-0.098 χ^2/NDF: 40481.0/54

In: 773.209+/-0.095 χ^2/NDF:20028.7/48

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

All: 774.380+/-0.066 χ^2/NDF: 45753.9/101



Right In: -526.860+/-237.406 χ^2/NDF: 33.7/25

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

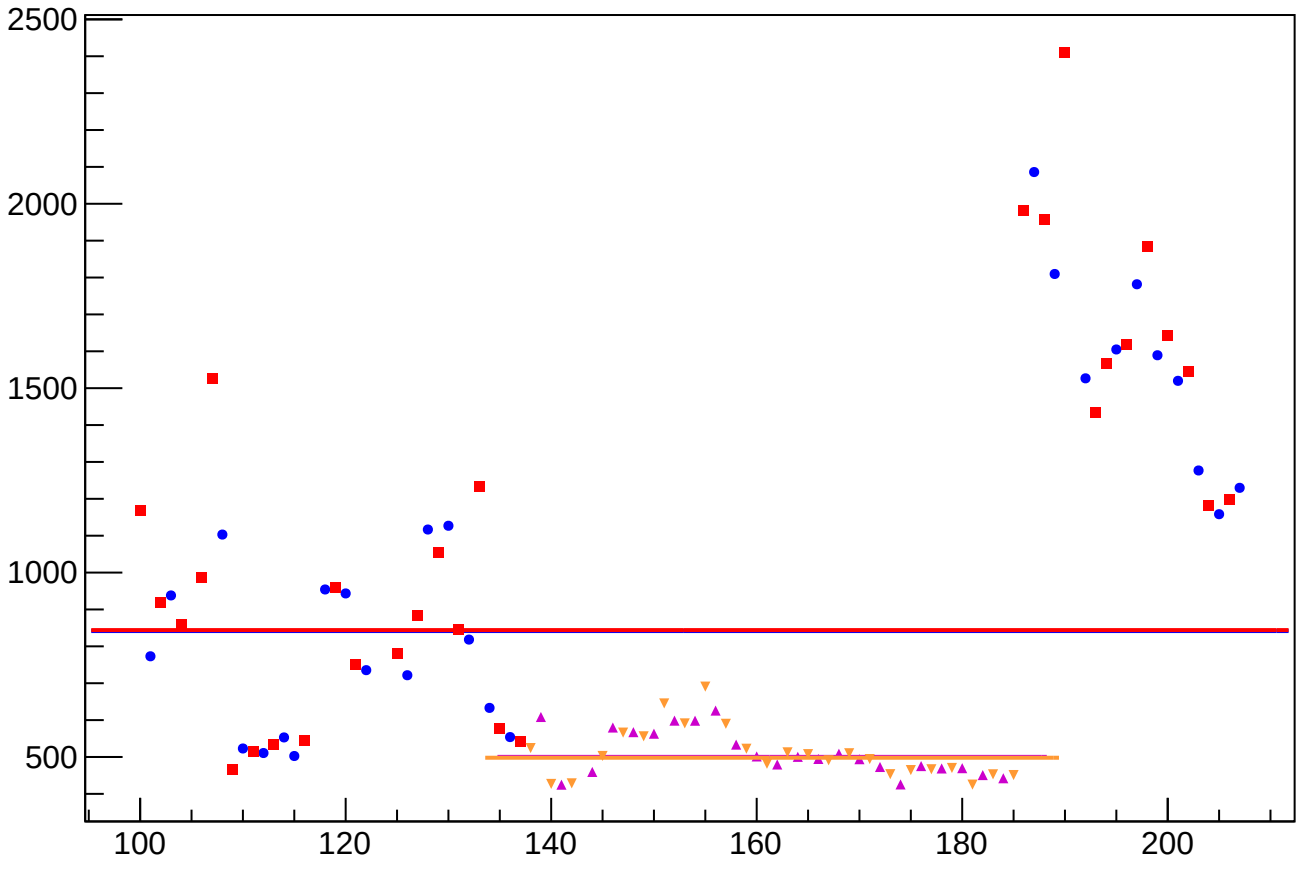
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 31.853+/-166.834 χ^2/NDF: 60.8/54

In: -37.378+/-105.529 χ^2/NDF:67.1/48

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

All: -149.722+/-74.249 χ^2/NDF: 165.9/101



Right In: 841.450+/-0.168 χ^2/NDF: 4600546.1/25

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

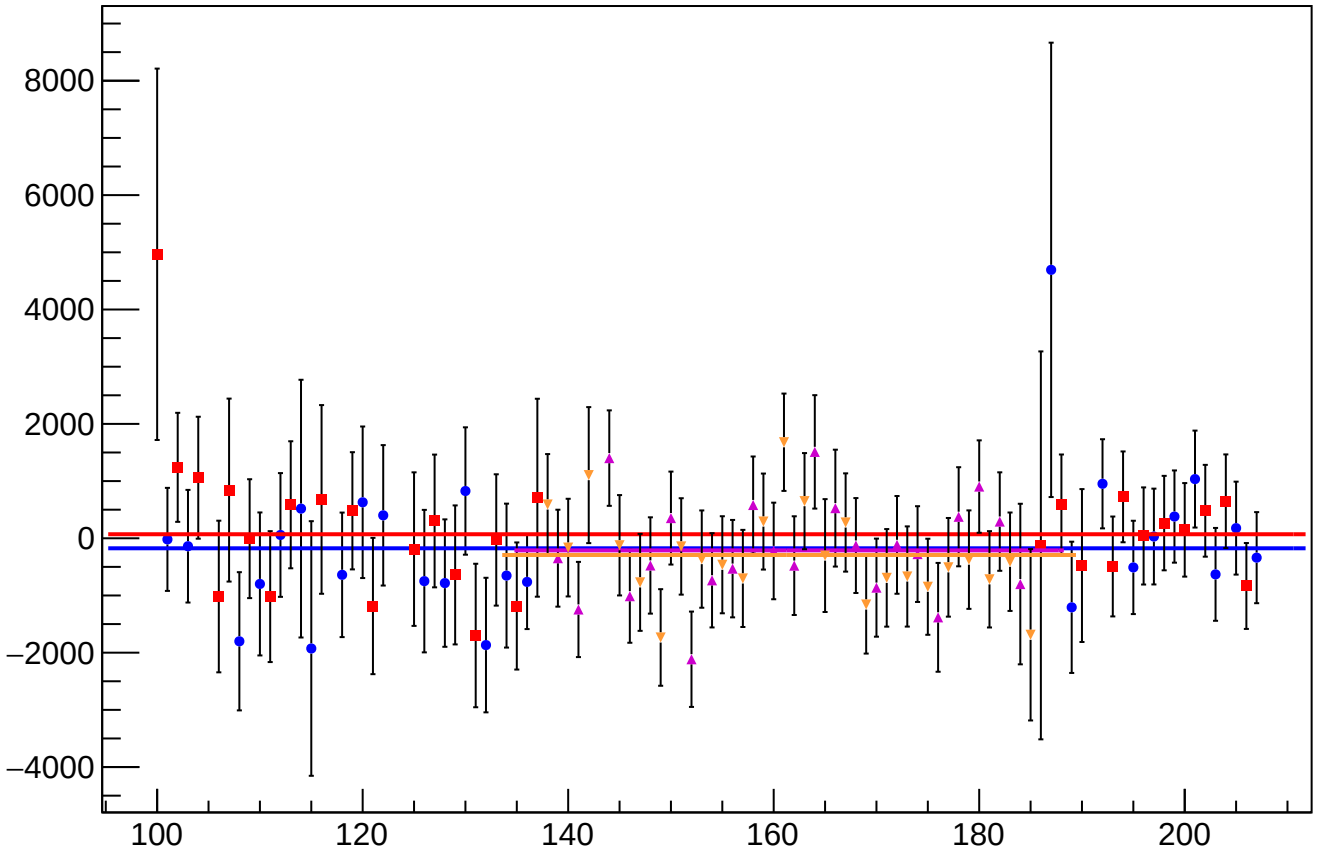
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 842.768+/-0.118 χ^2/NDF: 10535876.1/54

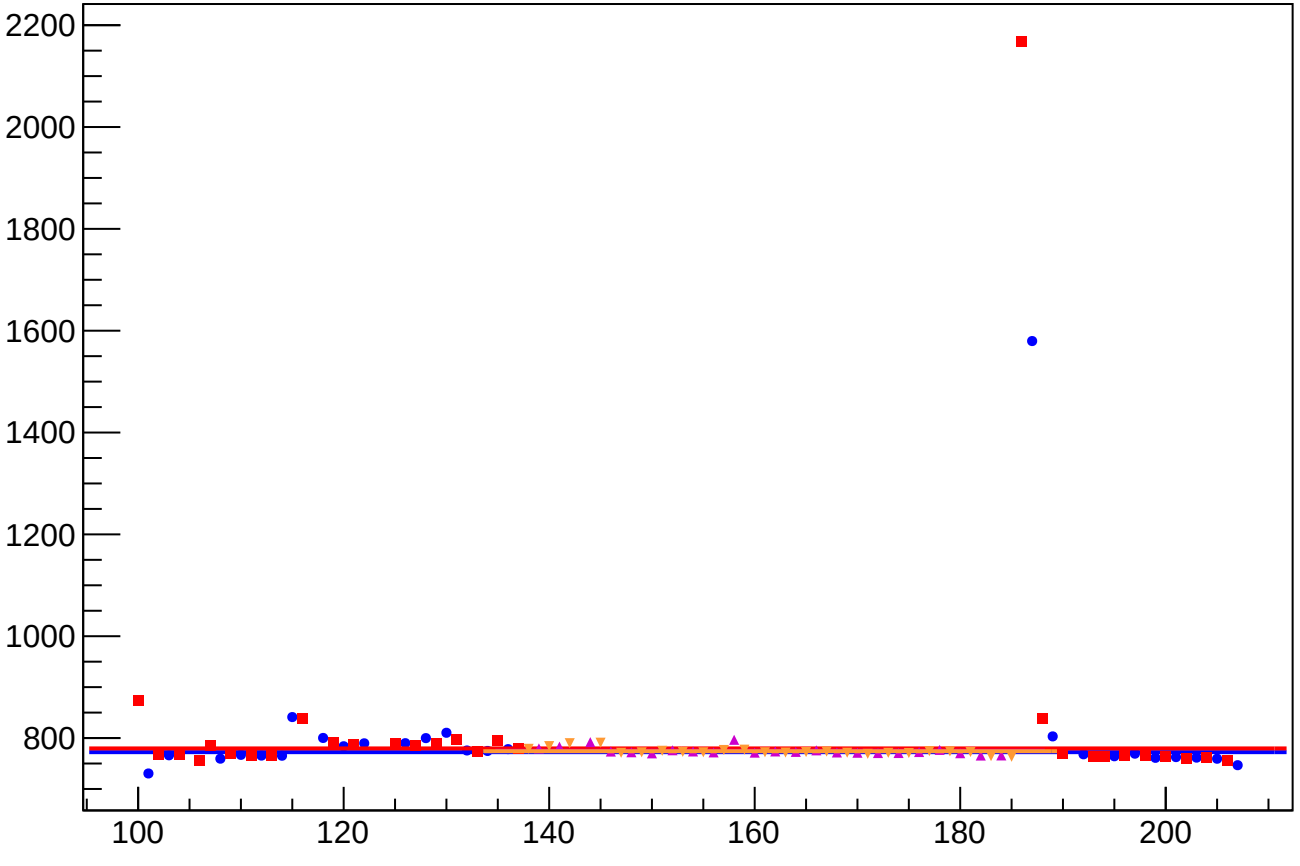
In: 567.713+/-0.075 χ^2/NDF:8391666.6/48

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

All: 567.190+/-0.053 χ^2/NDF: 18345431.8/10


overload_cor_asym_us_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -174.973+/-200.249 χ²/NDF: 15.4/25
Left Out: -292.036+/-179.670 χ²/NDF:16.6/23
Right Out: 70.702+/-195.766 χ²/NDF: 15.8/28
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -49.355+/-139.985 χ²/NDF: 31.9/54
In: -194.937+/-134.257 χ²/NDF:37.5/48
Out: -126.190+/-132.371 χ²/NDF:34.3/52
All: -160.077+/-94.260 χ²/NDF: 71.9/101

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 772.300+/-0.142 χ^2/NDF: 100556.2/25

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

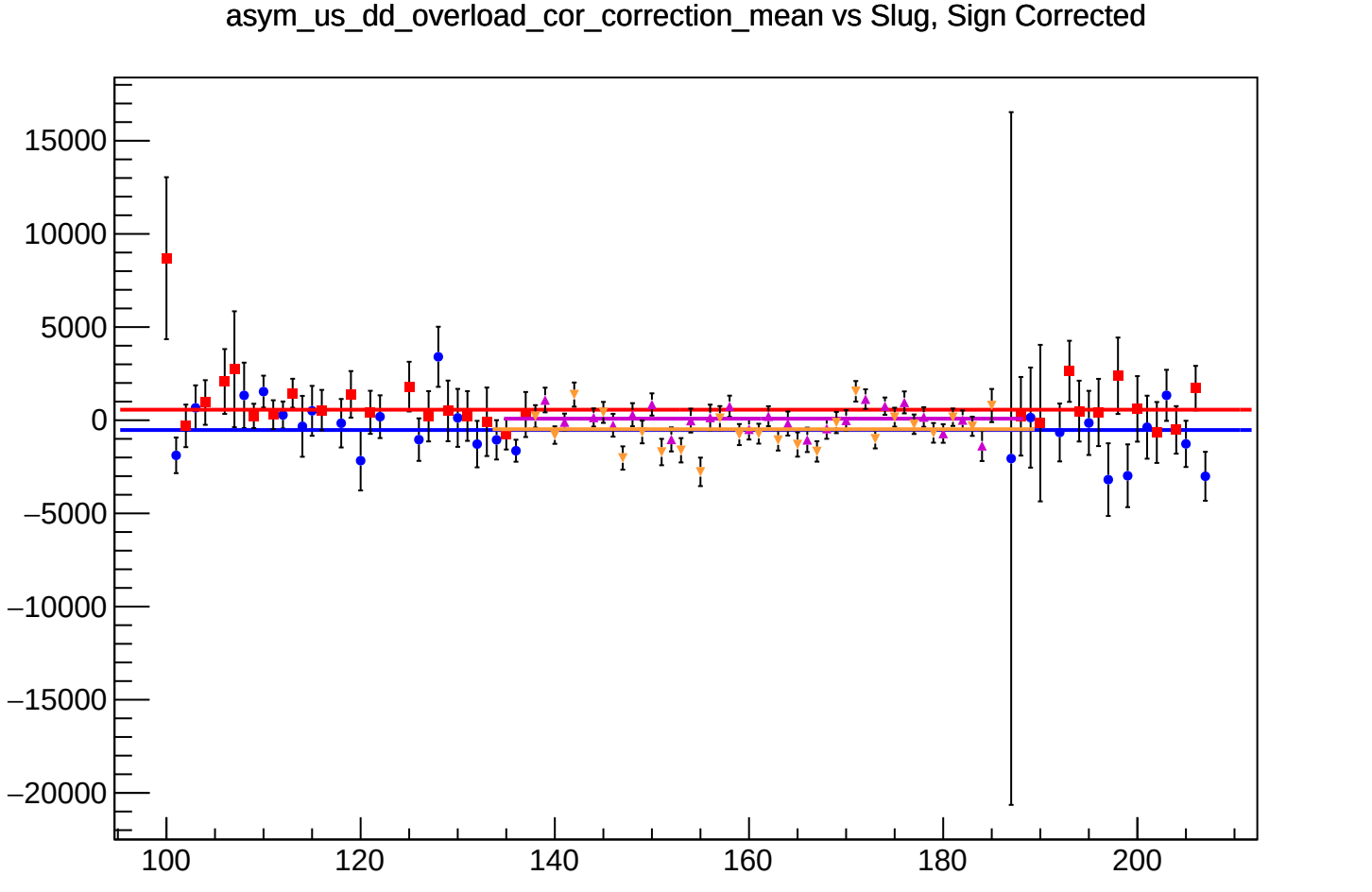
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 776.045+/-0.099 χ^2/NDF: 461113.1/54

In: 773.781+/-0.095 χ^2/NDF:103903.0/48

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

All: 775.235+/-0.067 χ^2/NDF: 466466.4/101



Right In: -525.516+/-238.100 χ^2/NDF: 33.6/25

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

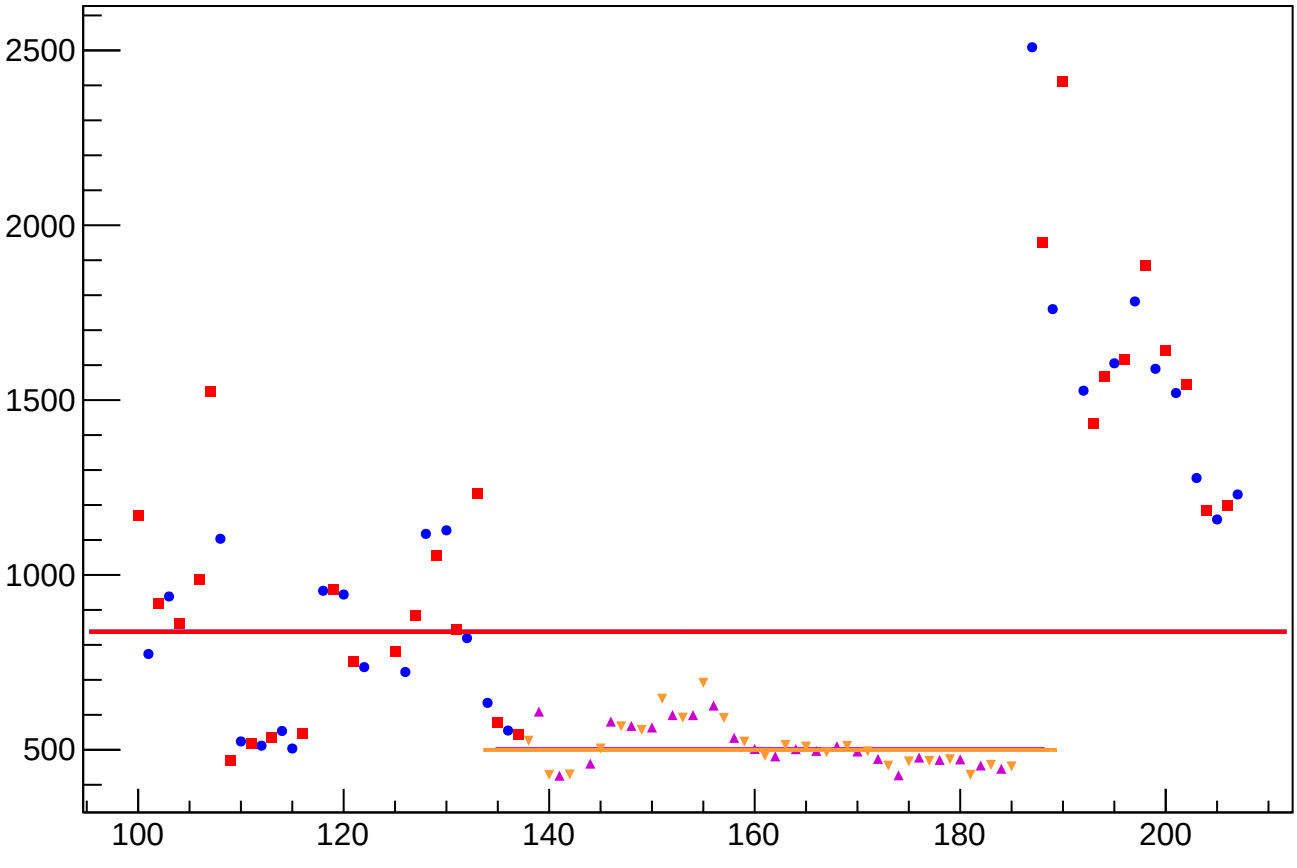
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 25.225+/-167.481 χ^2/NDF: 60.3/53

In: -37.147+/-105.868 χ^2/NDF:67.1/48

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

All: -156.801+/-74.500 χ^2/NDF: 165.0/100



Right In: 838.413+/-0.168 χ^2/NDF: 4404249.8/25

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

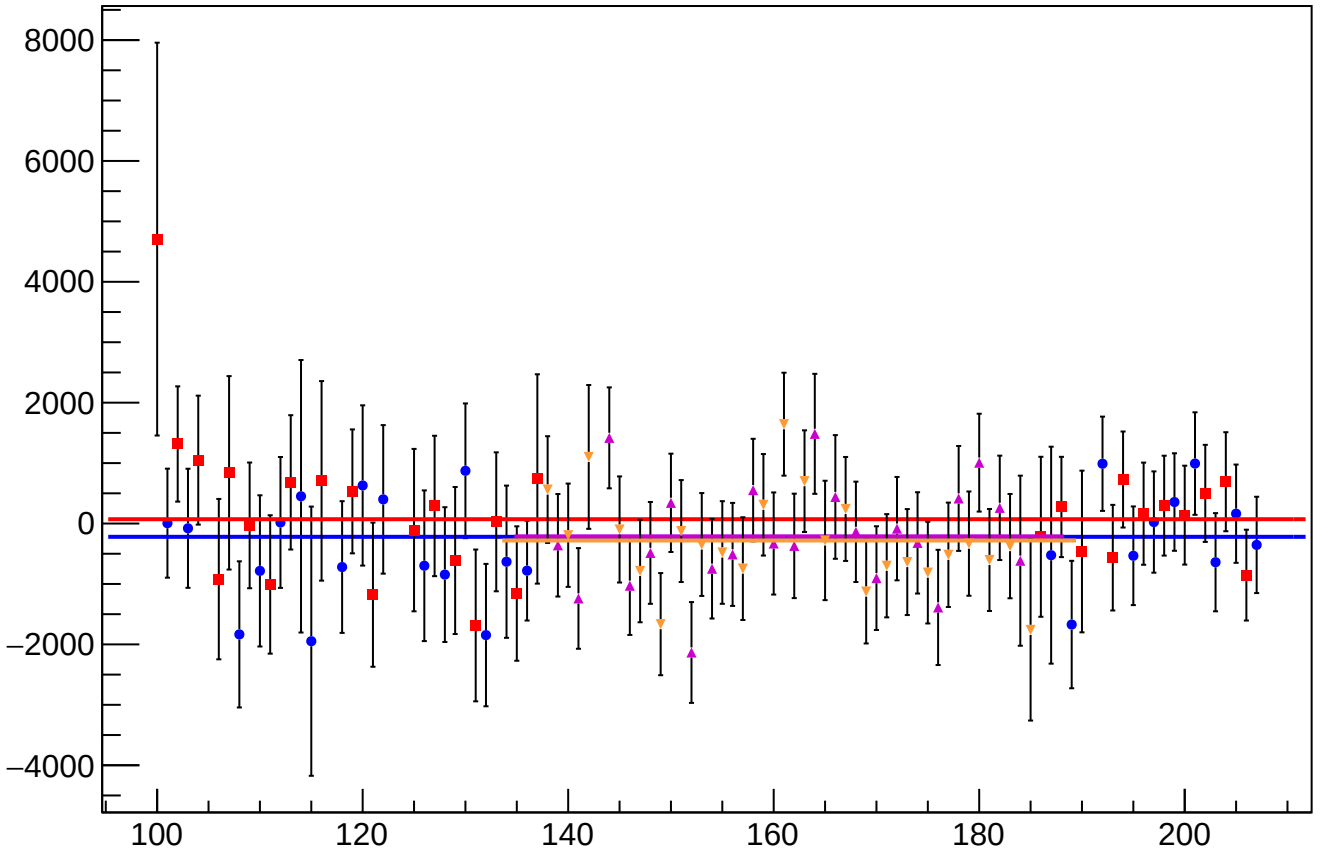
Left: 500.837+/-0.059 χ^2/NDF: 984164.9/46

Right: 837.775+/-0.118 χ^2/NDF: 9979969.6/53

In: 568.530+/-0.075 χ^2/NDF:8074458.4/48

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

All: 567.507+/-0.053 χ^2/NDF: 17457046.0/10



Right In: -219.969+/-198.879 χ^2/NDF: 15.2/25

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

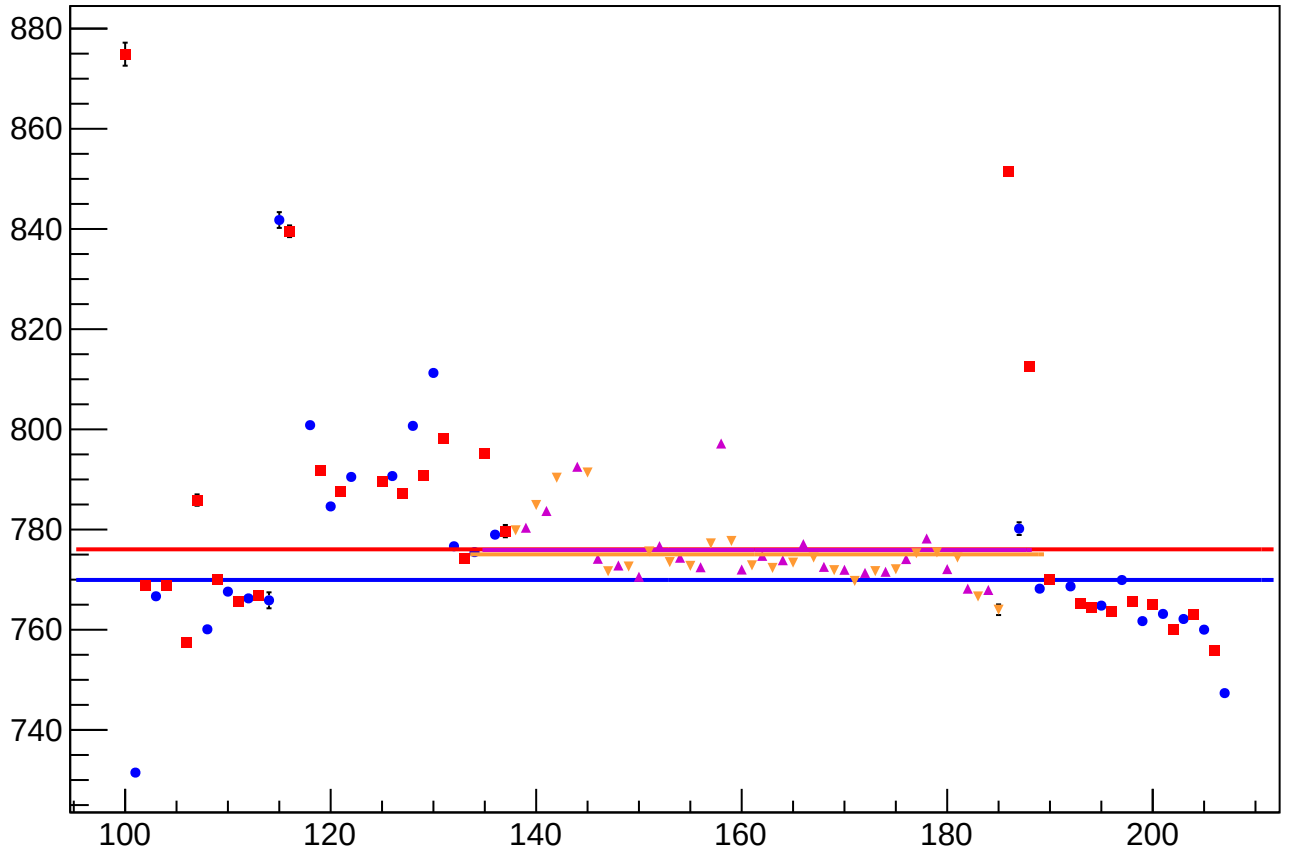
Left: -247.133+/-127.647 χ^2/NDF: 38.5/46

Right: -70.359+/-138.708 χ^2/NDF: 32.0/54

In: -216.393+/-133.930 χ^2/NDF:37.6/48

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

All: -166.074+/-93.928 χ^2/NDF: 71.3/101



Right In: 769.940+/-0.141 χ^2/NDF: 16067.0/25

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

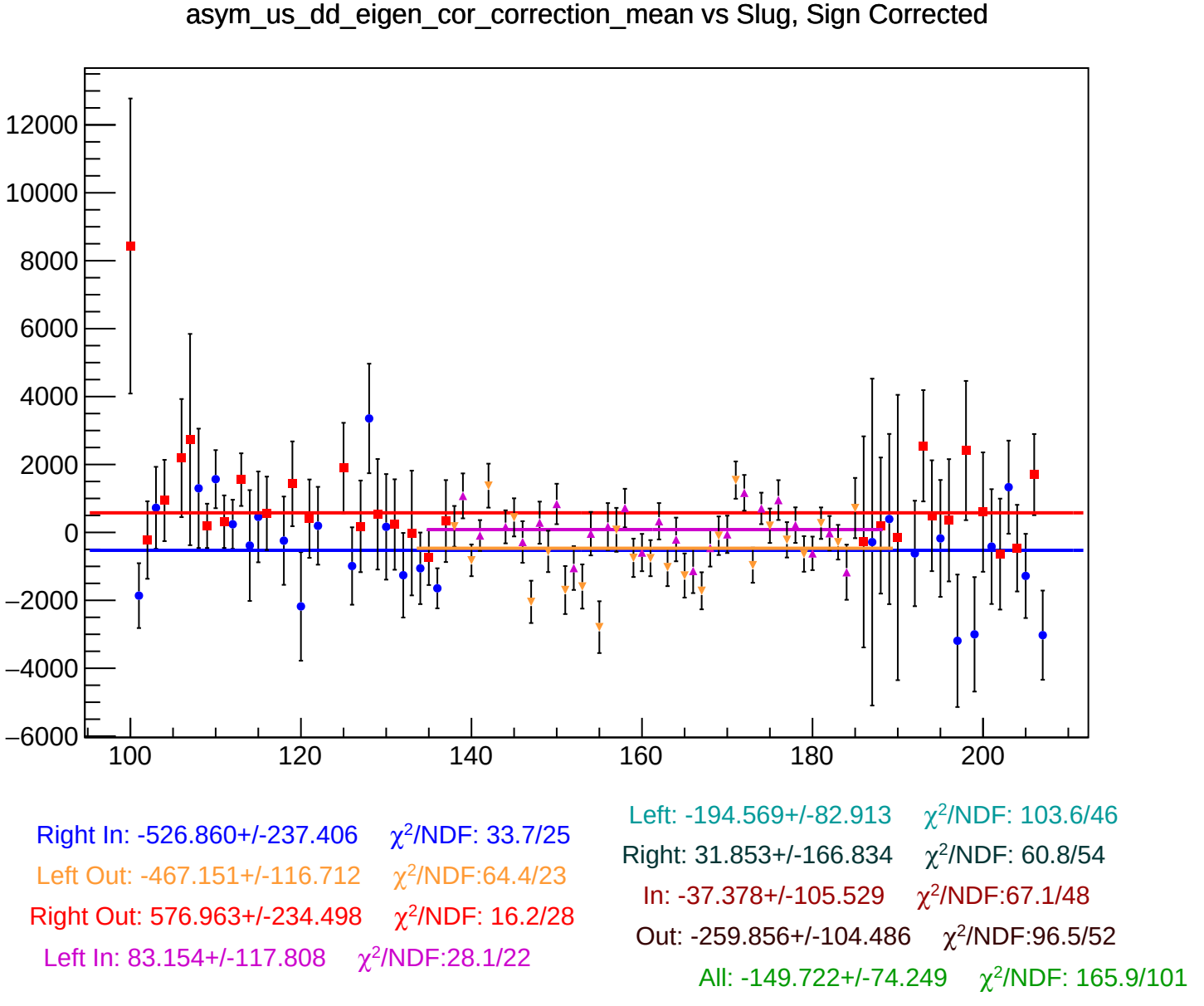
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

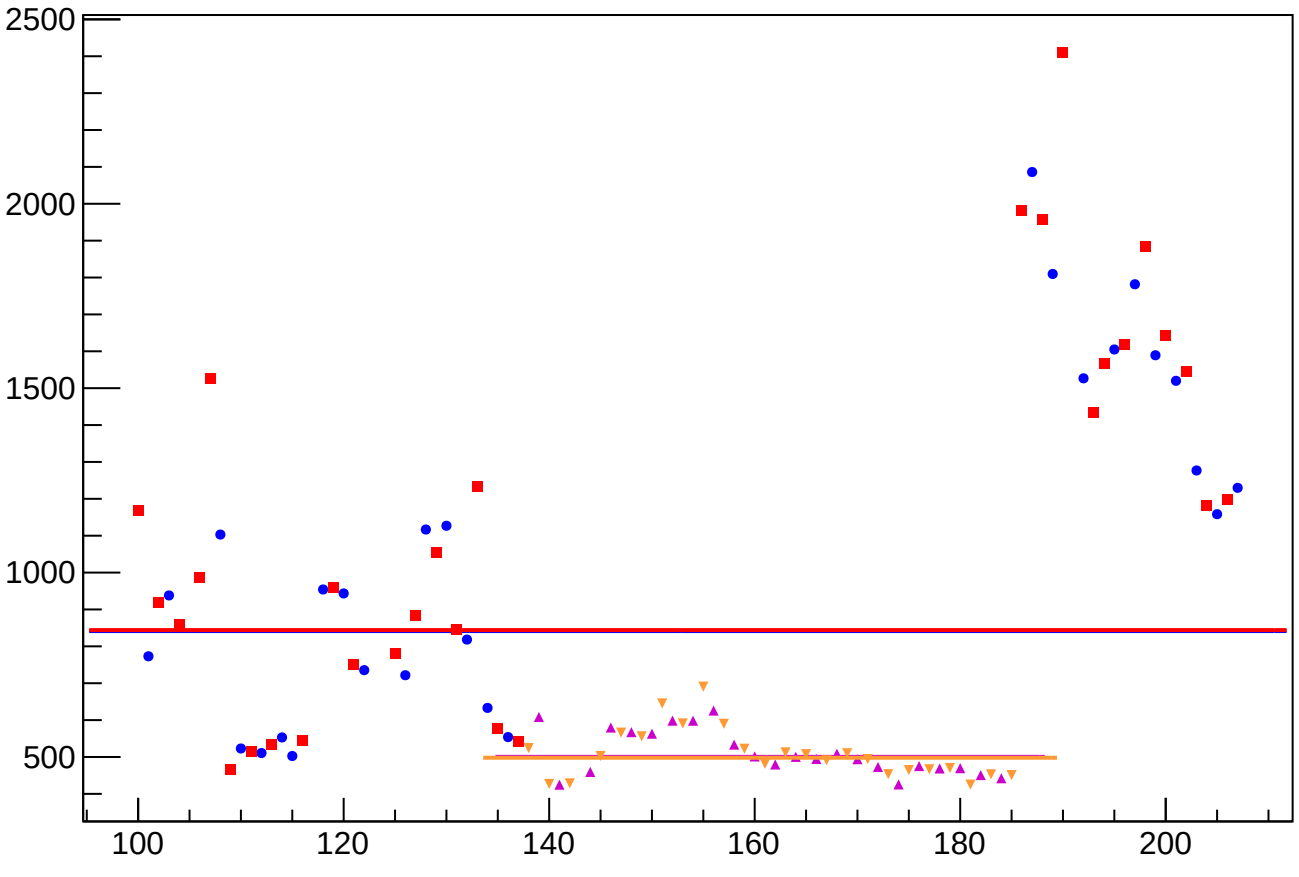
Right: 773.078+/-0.098 χ^2/NDF: 40481.0/54

In: 773.209+/-0.095 χ^2/NDF:20028.7/48

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

All: 774.380+/-0.066 χ^2/NDF: 45753.9/101


asym_us_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -526.860+/-237.406 χ²/NDF: 33.7/25
Left Out: -467.151+/-116.712 χ²/NDF:64.4/23
Right Out: 576.963+/-234.498 χ²/NDF: 16.2/28
Left In: 83.154+/-117.808 χ²/NDF:28.1/22
Left: -194.569+/-82.913 χ²/NDF: 103.6/46
Right: 31.853+/-166.834 χ²/NDF: 60.8/54
In: -37.378+/-105.529 χ²/NDF:67.1/48
Out: -259.856+/-104.486 χ²/NDF:96.5/52
All: -149.722+/-74.249 χ²/NDF: 165.9/101



Right In: 841.450+/-0.168 χ^2/NDF: 4600546.1/25

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

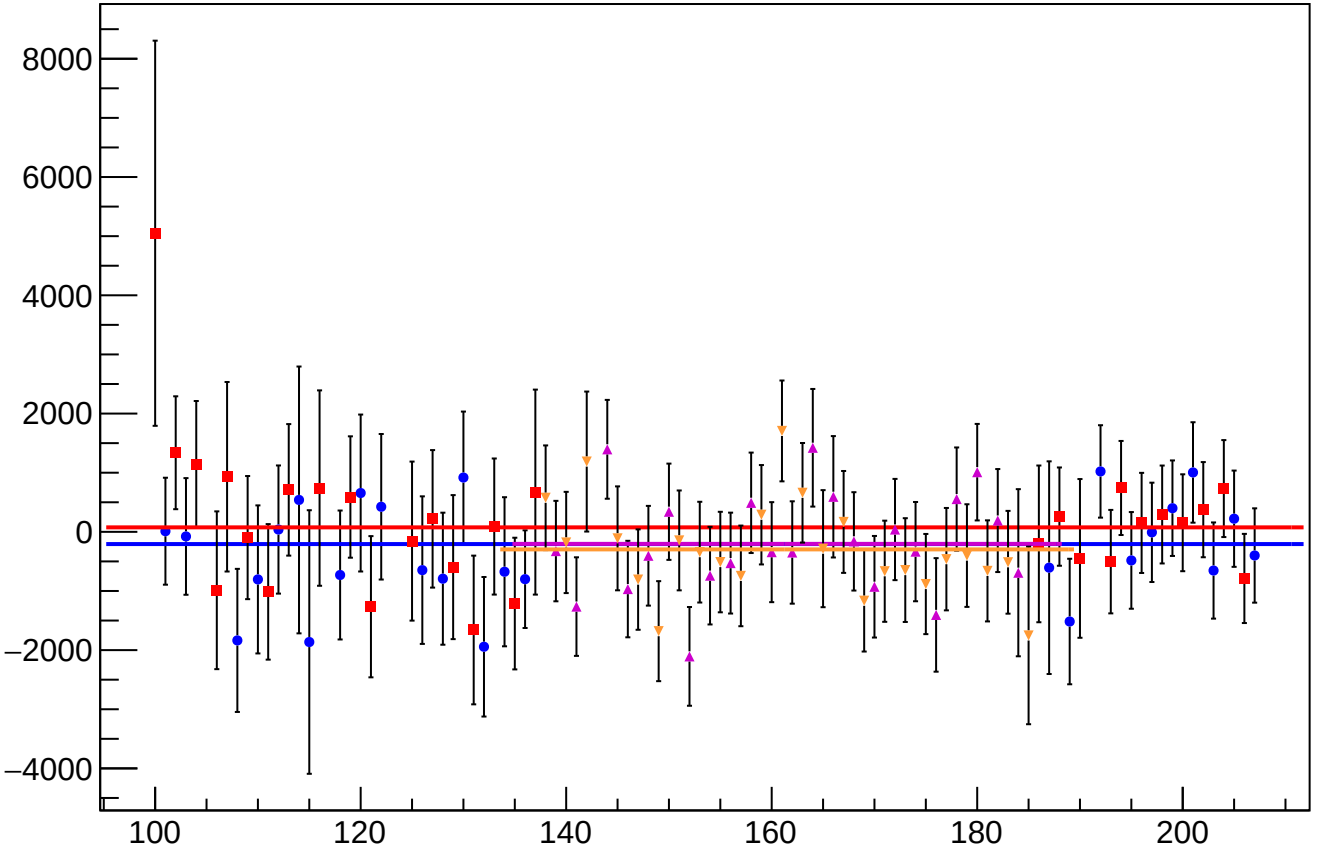
Right: 842.768+/-0.118 χ^2/NDF: 10535876.1/54

In: 567.713+/-0.075 χ^2/NDF:8391666.6/48

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

All: 567.190+/-0.053 χ^2/NDF: 18345431.8/10

dit_asym_us_dd_mean vs Slug, Sign Corrected



Right In: -206.670+/-199.141 χ^2/NDF: 15.4/25

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

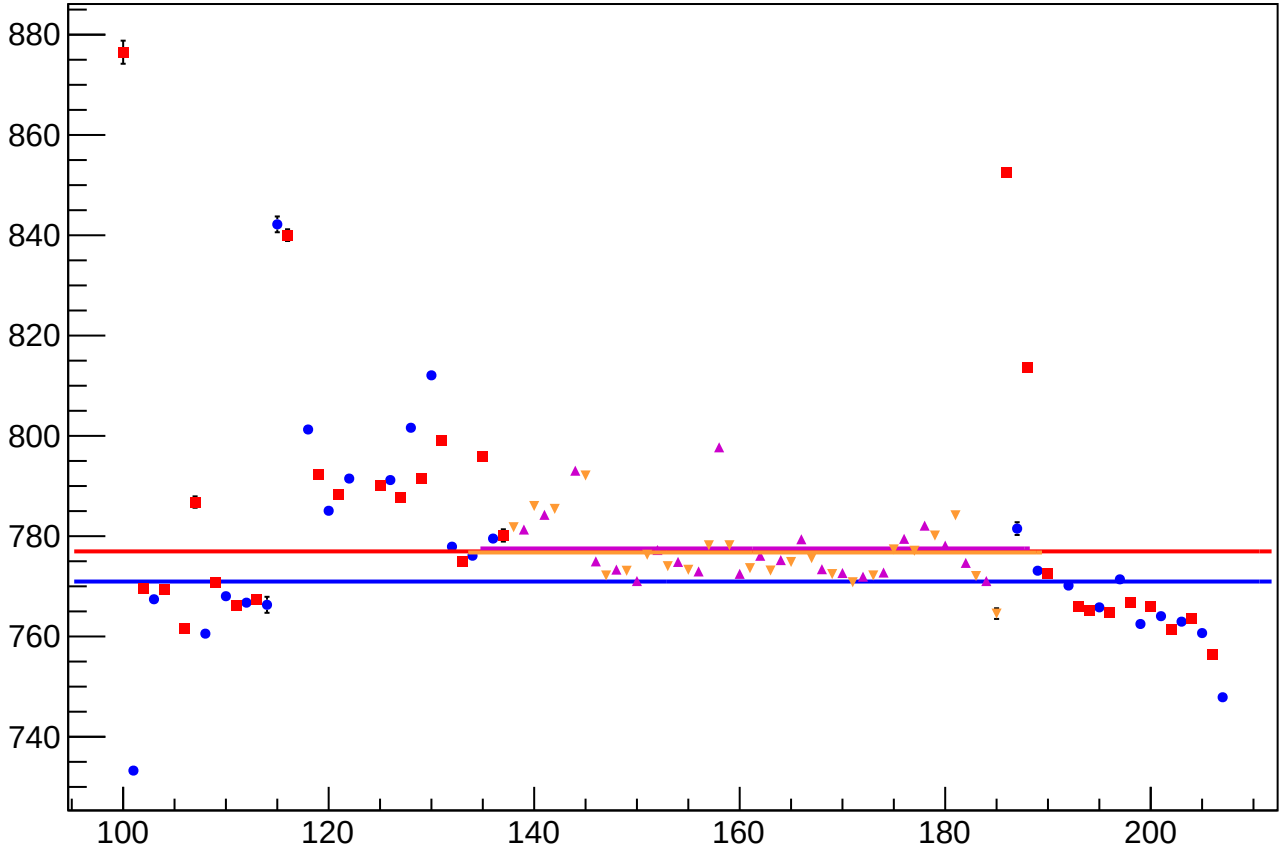
Right: -61.630+/-138.891 χ^2/NDF: 32.7/54

In: -204.851+/-134.163 χ^2/NDF:37.5/48

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

All: -163.752+/-94.094 χ^2/NDF: 72.6/101

dit_asym_us_dd_rms vs Slug, Sign Corrected



Right In: 770.955+/-0.141 χ^2/NDF: 15837.8/25

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

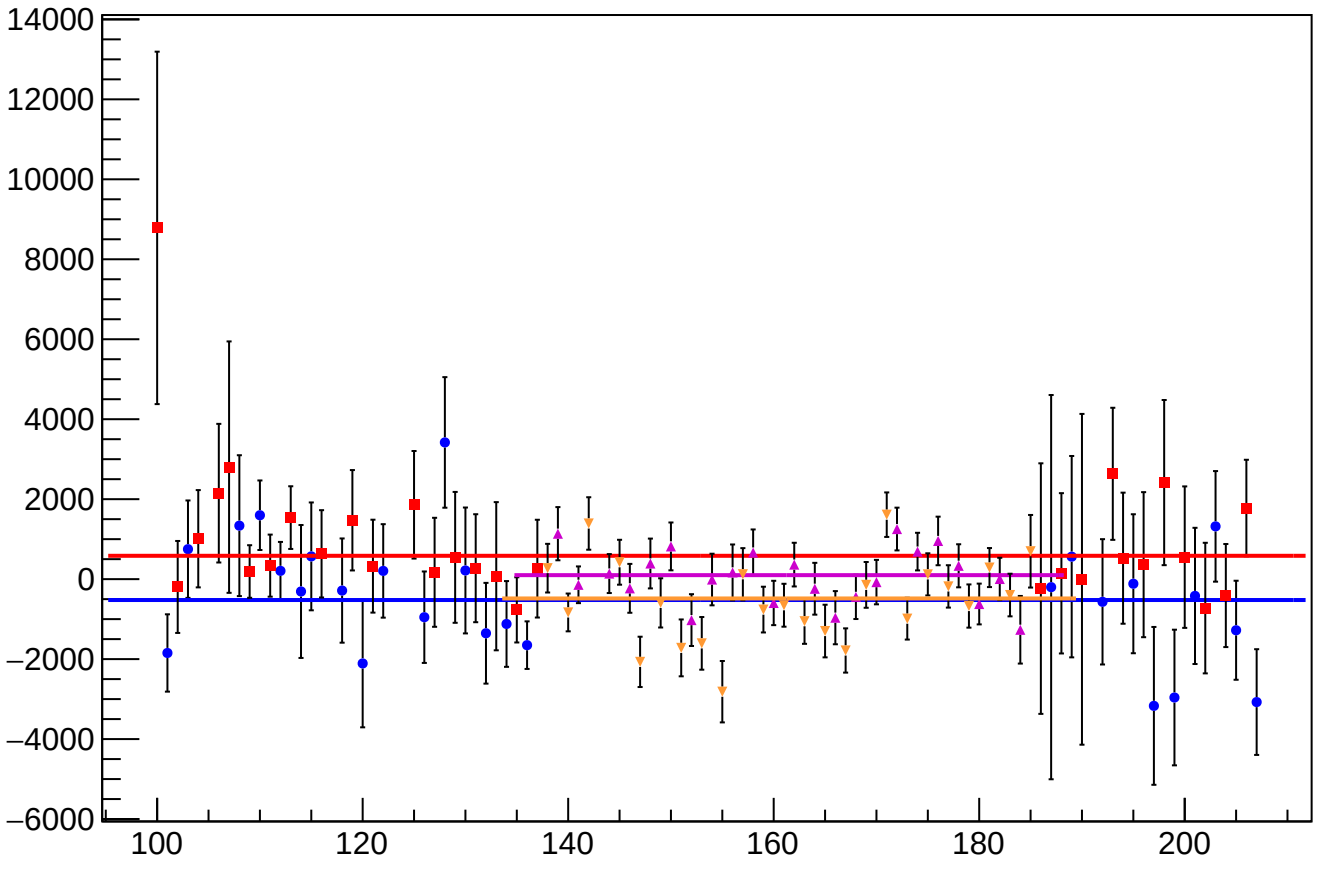
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 774.041+/-0.098 χ^2/NDF: 40024.3/54

In: 774.557+/-0.095 χ^2/NDF:19786.3/48

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

All: 775.722+/-0.067 χ^2/NDF: 45162.1/101



Right In: -522.110+/-239.577 χ^2/NDF: 33.6/25

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

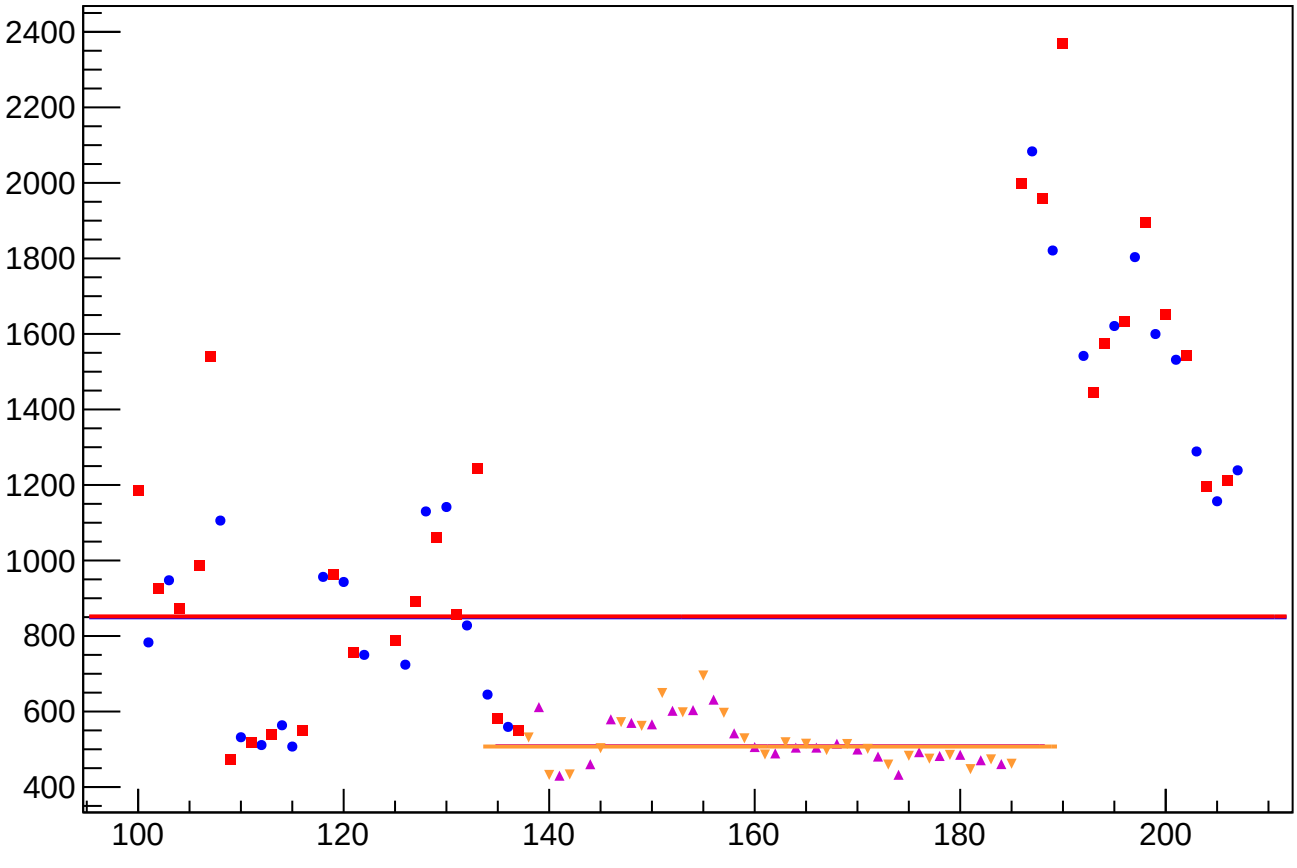
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 38.130+/-168.304 χ^2/NDF: 60.9/54

In: -24.248+/-107.062 χ^2/NDF:66.4/48

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

All: -147.095+/-75.384 χ^2/NDF: 166.9/101



Right In: 849.544+/-0.169 χ^2/NDF: 4583635.8/25

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

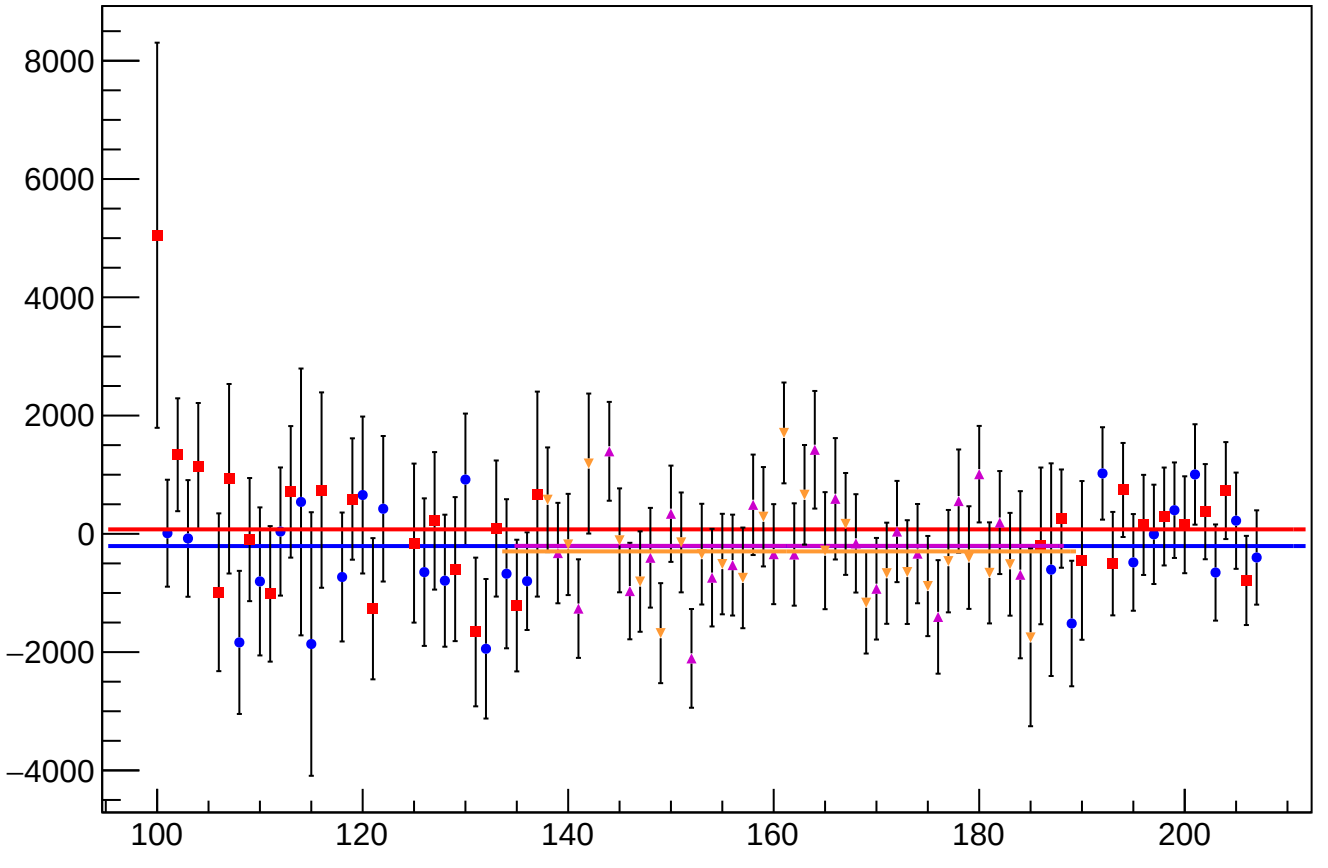
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 850.745+/-0.119 χ^2/NDF: 10481183.4/54

In: 576.718+/-0.076 χ^2/NDF:8256931.6/48

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

All: 576.740+/-0.053 χ^2/NDF: 18019078.7/10



Right In: -206.670+/-199.141 χ^2/NDF: 15.4/25

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

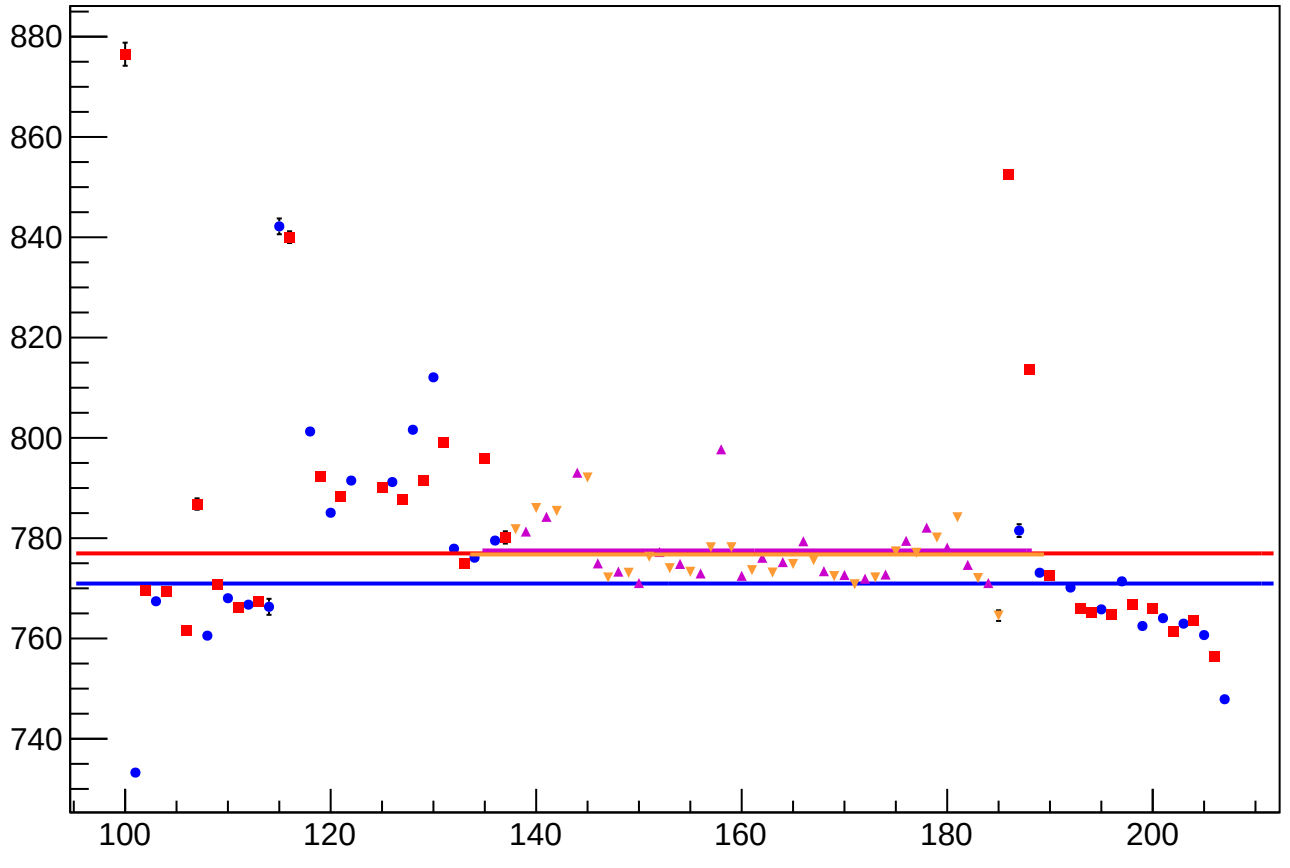
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -61.630+/-138.891 χ^2/NDF: 32.7/54

In: -204.851+/-134.163 χ^2/NDF:37.5/48

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

All: -163.752+/-94.094 χ^2/NDF: 72.6/101



Right In: 770.955+/-0.141 χ^2/NDF: 15837.8/25

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

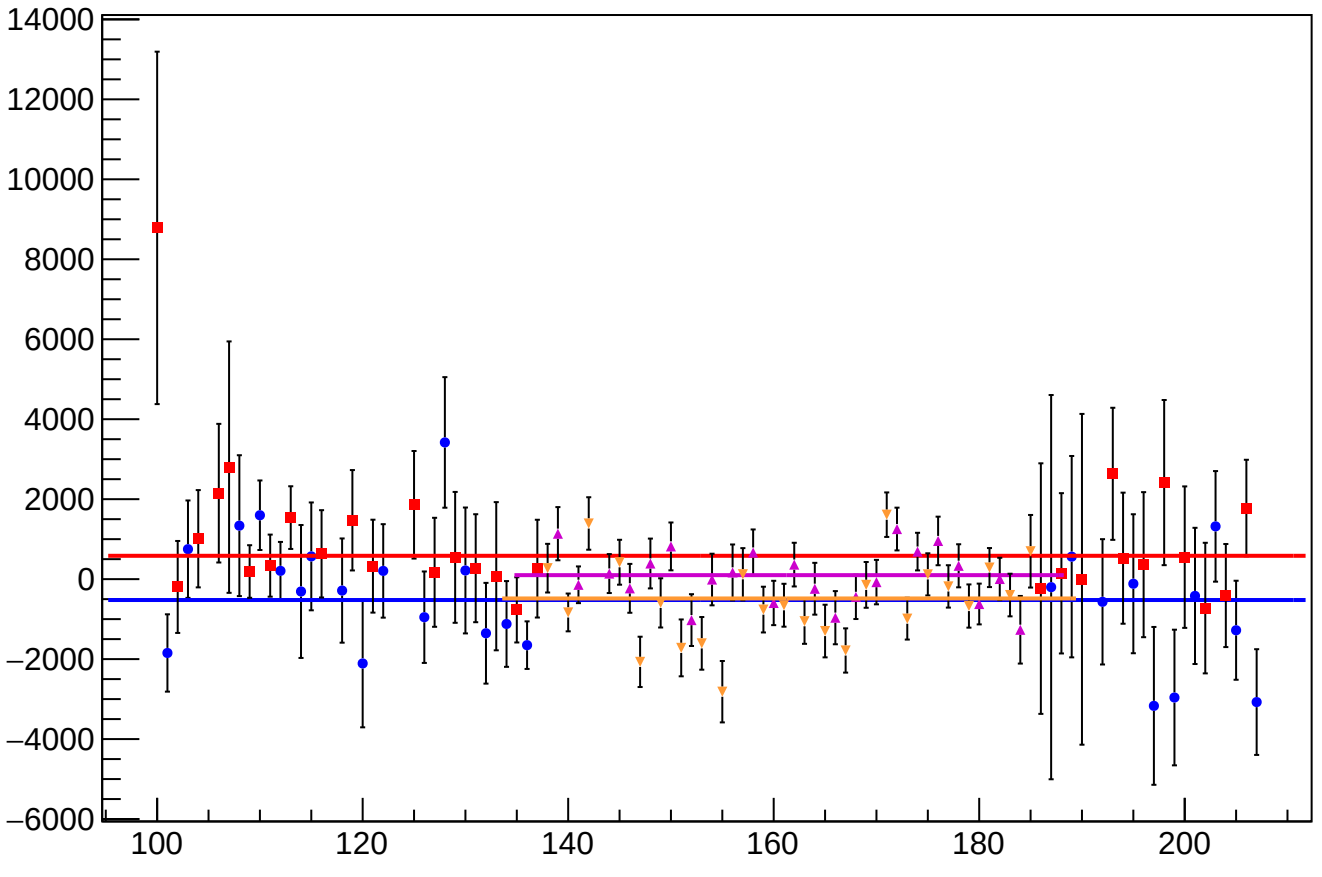
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 774.041+/-0.098 χ^2/NDF: 40024.2/54

In: 774.557+/-0.095 χ^2/NDF:19786.3/48

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

All: 775.722+/-0.067 χ^2/NDF: 45162.0/101



Right In: -522.105+/-239.576 χ^2/NDF: 33.6/25

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

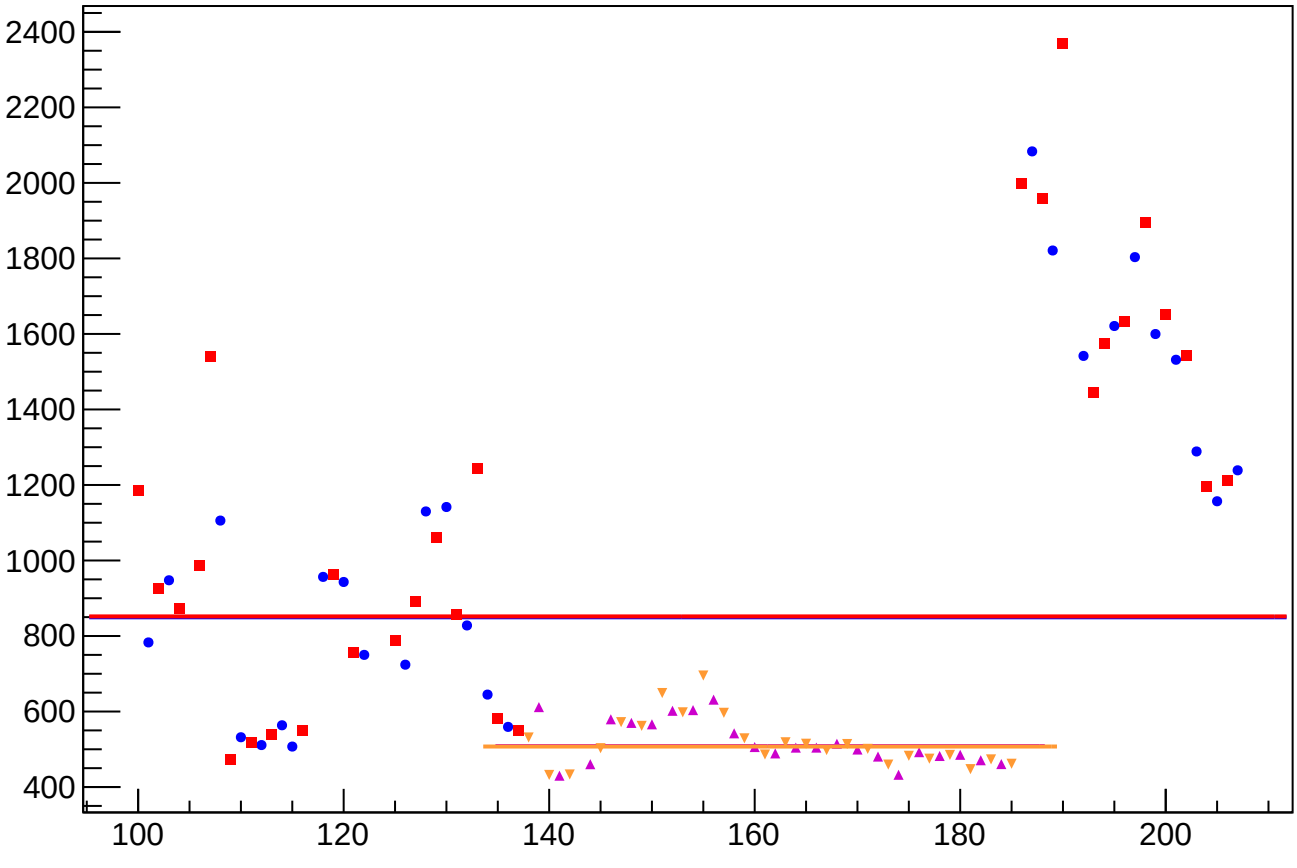
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 38.132+/-168.304 χ^2/NDF: 60.9/54

In: -24.247+/-107.062 χ^2/NDF:66.4/48

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

All: -147.094+/-75.384 χ^2/NDF: 166.9/101



Right In: 849.540+/-0.169 χ^2/NDF: 4583692.7/25

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

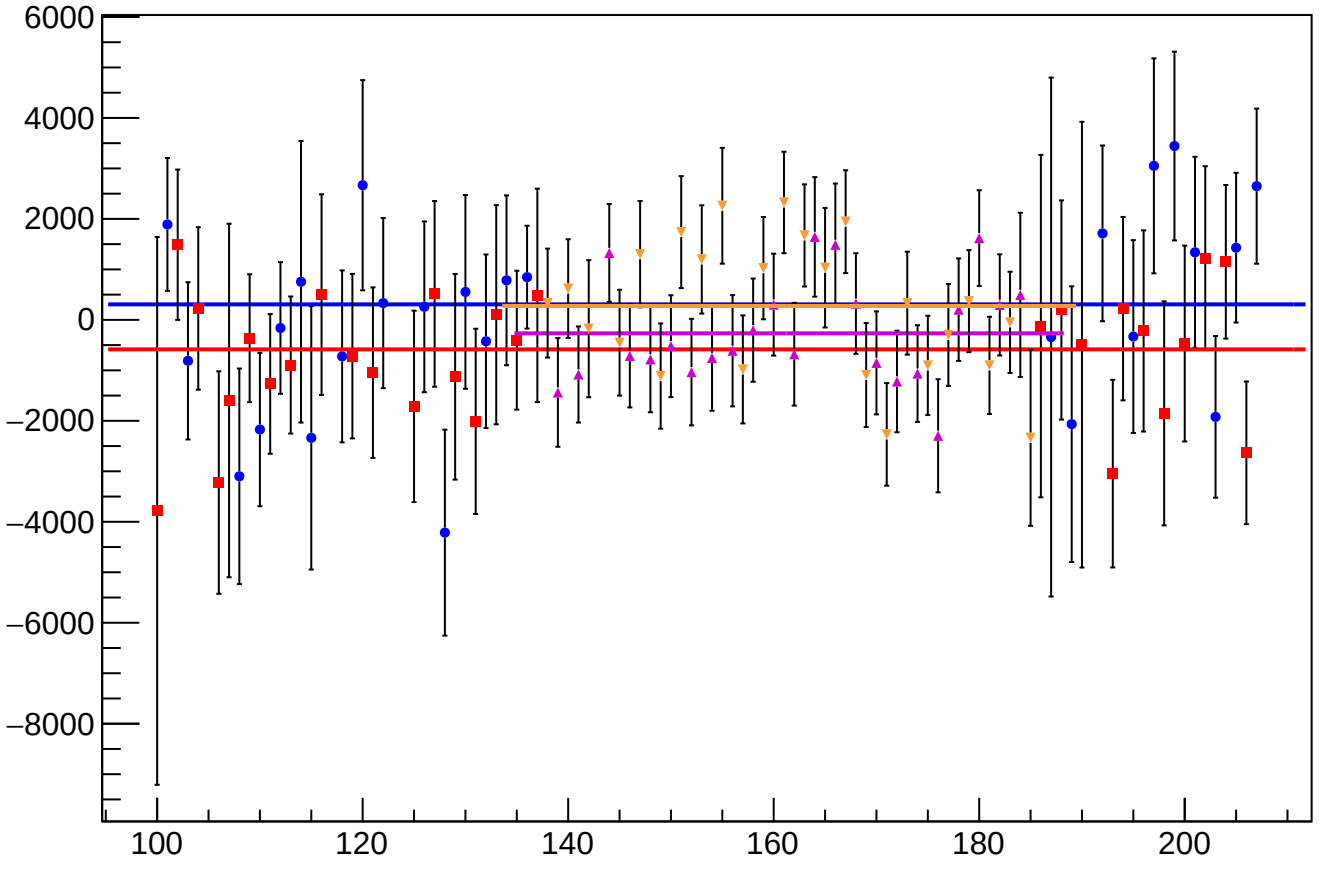
Left: 507.974+/-0.060 χ^2/NDF: 906576.5/46

Right: 850.741+/-0.119 χ^2/NDF: 10481301.6/54

In: 576.717+/-0.076 χ^2/NDF:8256950.0/48

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

All: 576.739+/-0.053 χ^2/NDF: 18019110.1/10



Right In: 307.109+/-337.480 χ^2/NDF: 26.6/25

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

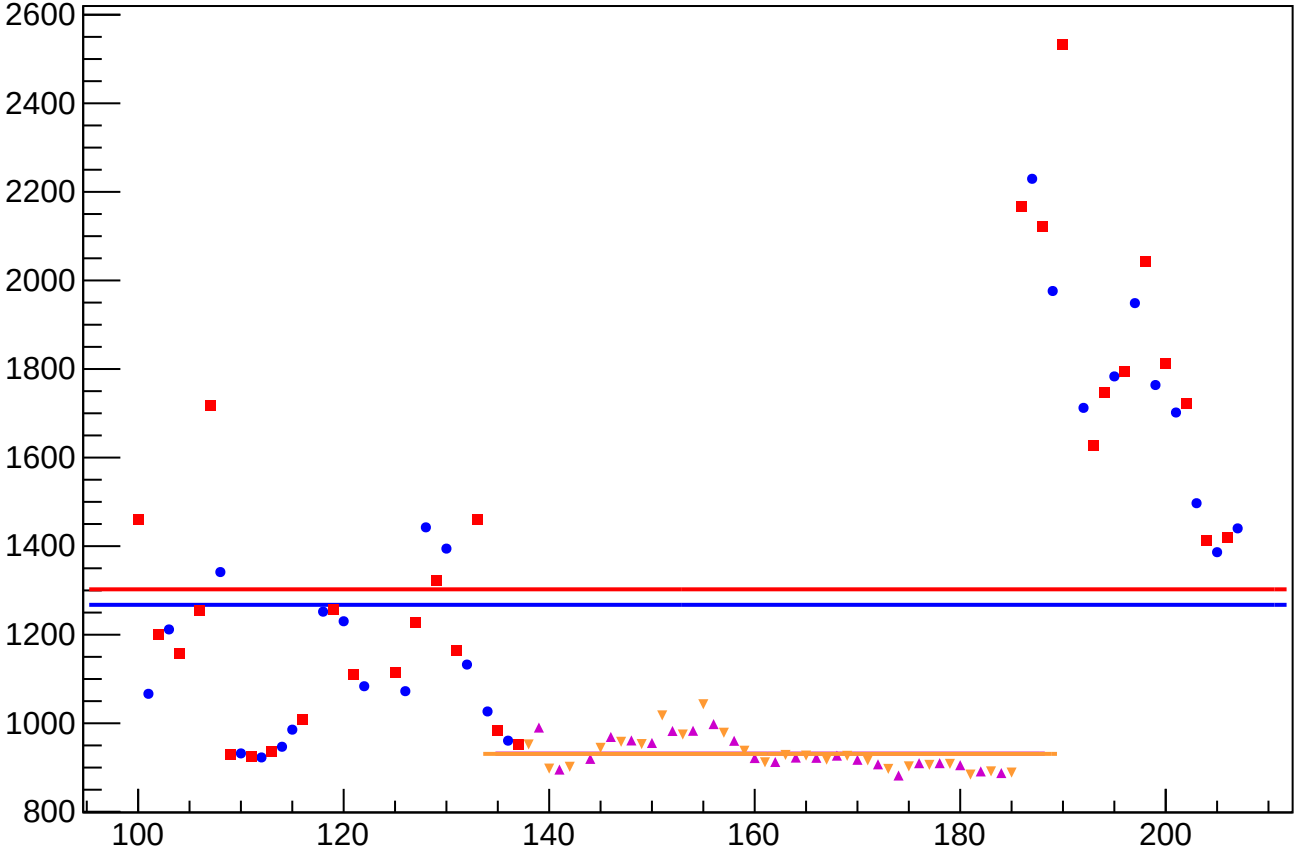
Right: -139.305+/-238.489 χ^2/NDF: 43.5/54

In: -98.358+/-182.931 χ^2/NDF:50.0/48

Out: 24.409+/-182.036 χ^2/NDF:51.6/52

All: -36.674+/-129.034 χ^2/NDF: 101.9/101

asym_us_dd_rms vs Slug, Sign Corrected



Right In: 1267.490+/-0.239 χ^2/NDF: 1659310.9/25

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

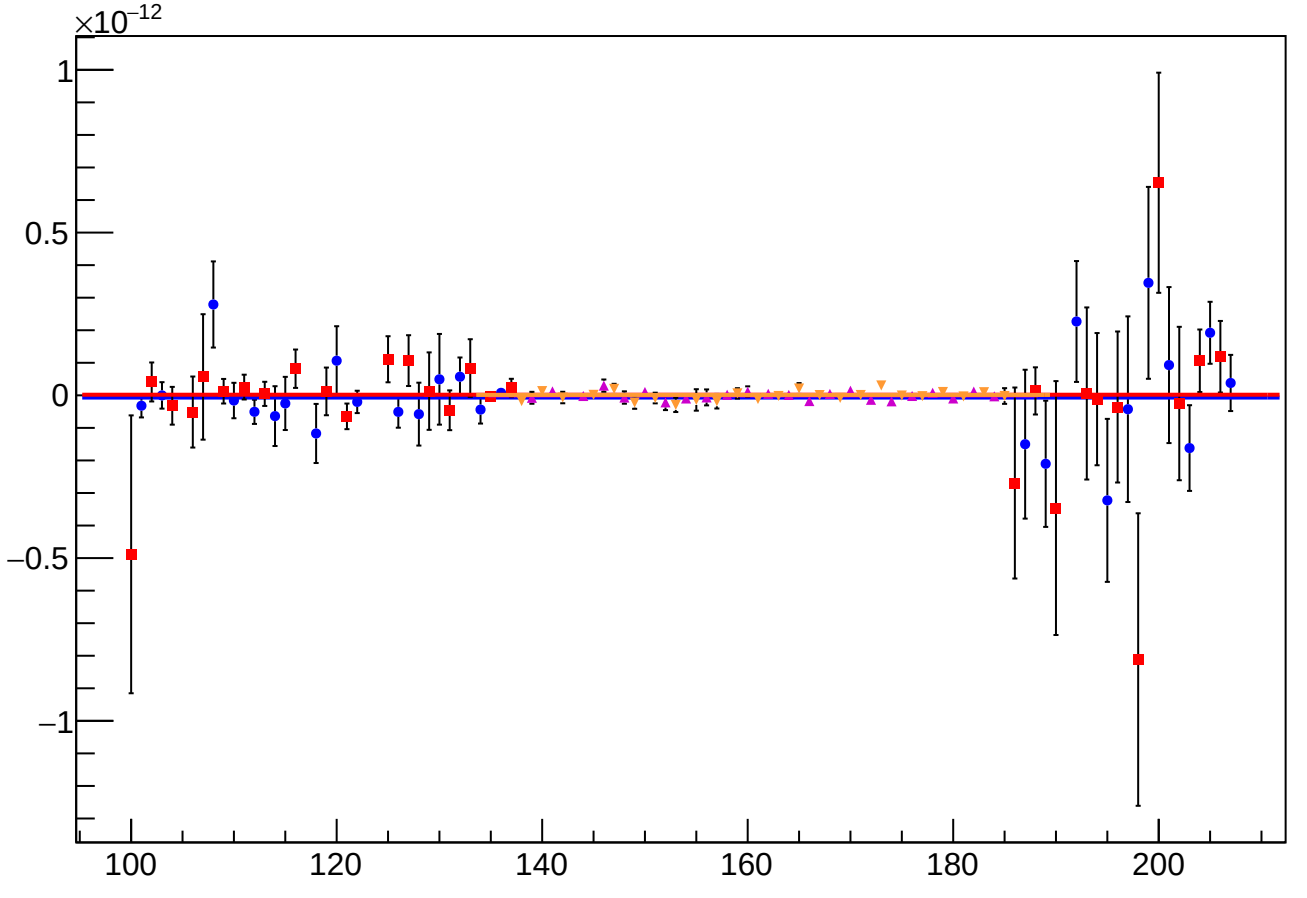
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1285.016+/-0.169 χ^2/NDF: 3838048.4/54

In: 1030.264+/-0.129 χ^2/NDF:3107631.5/48

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

All: 1034.802+/-0.091 χ^2/NDF: 7061597.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.2/25

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

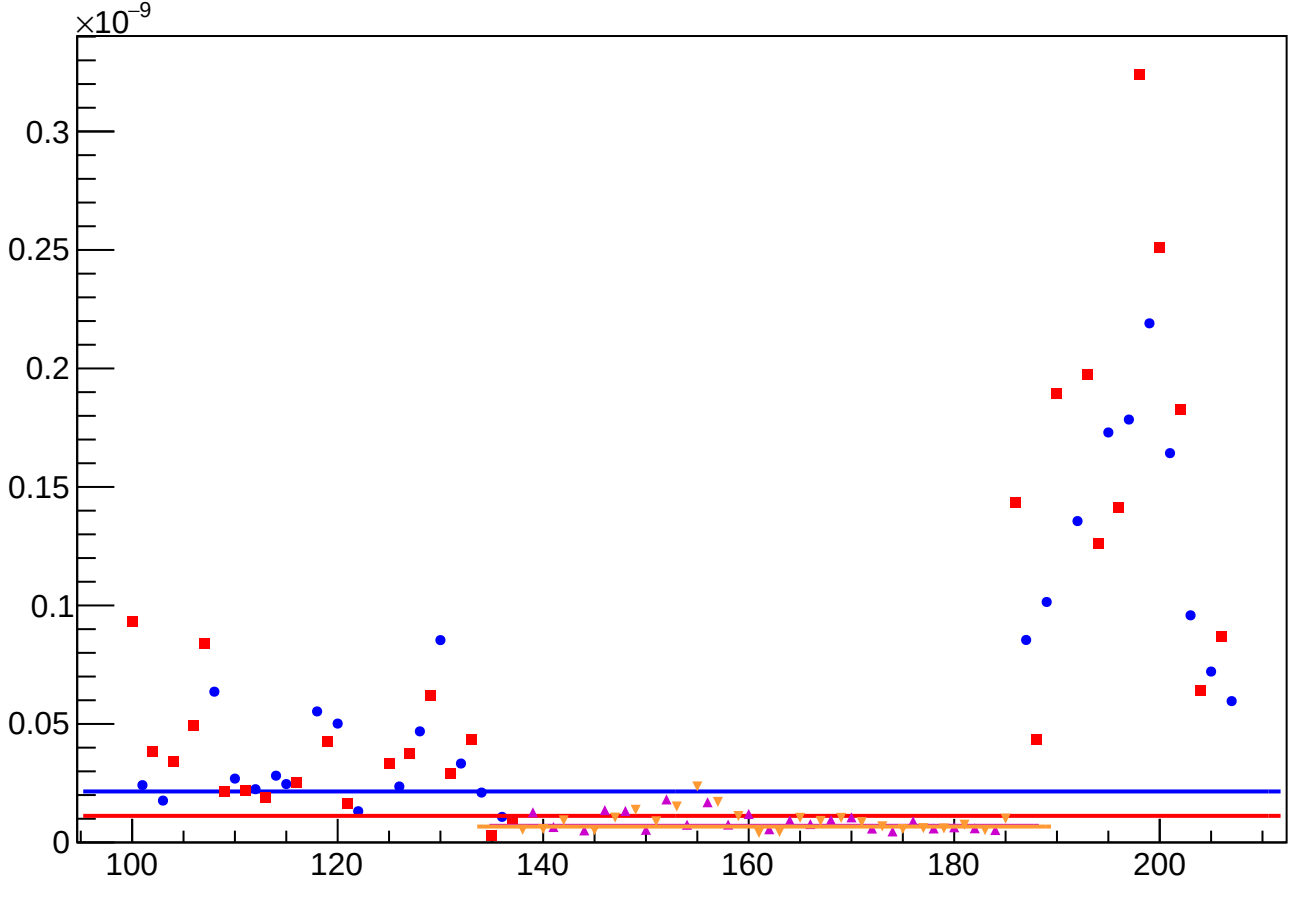
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 52.0/54

In: -0.000+/-0.000 χ^2/NDF:48.7/48

Out: 0.000+/-0.000 χ^2/NDF:51.0/52

All: 0.000+/-0.000 χ^2/NDF: 100.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 8229946.1/25

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

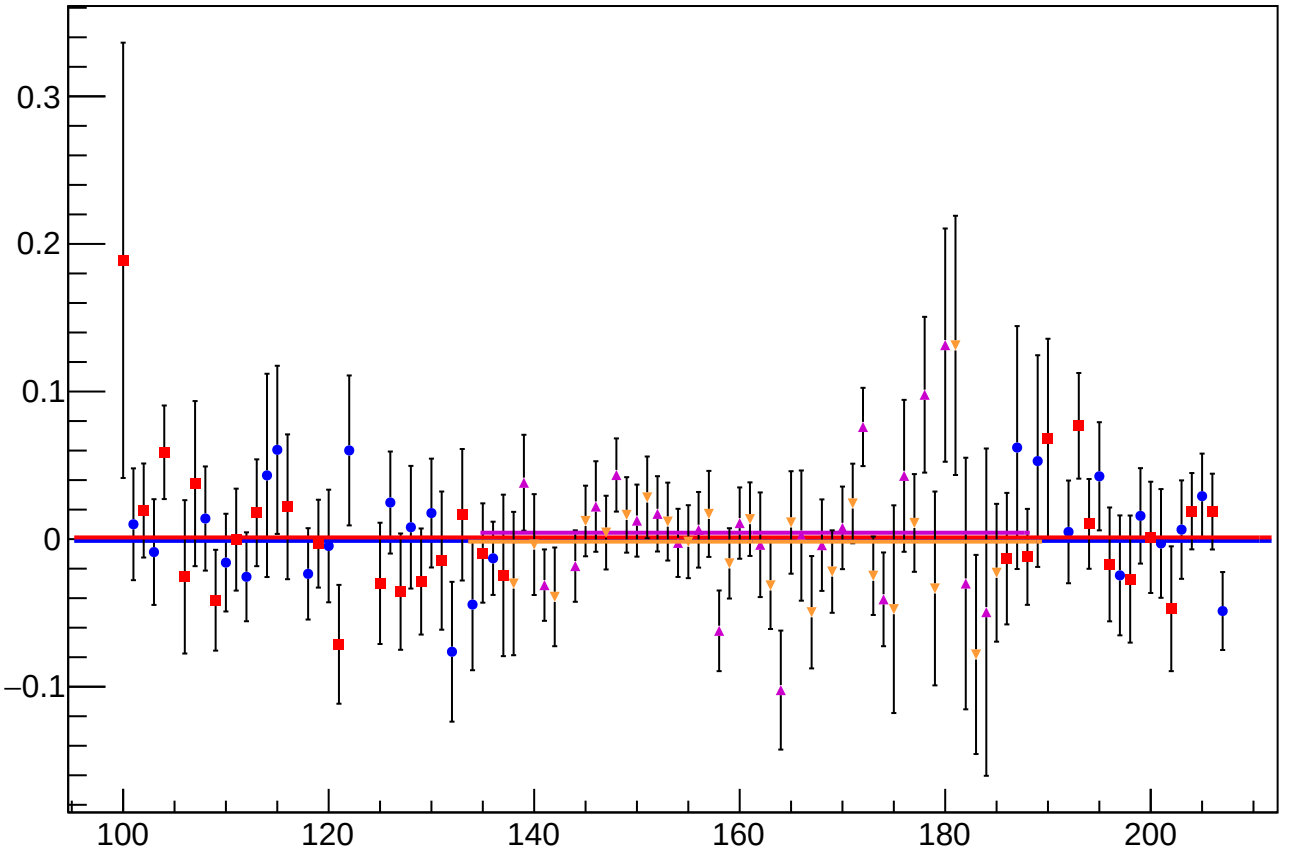
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 22969067.6/54

In: 0.000+/-0.000 χ^2/NDF:14646759.0/48

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

All: 0.000+/-0.000 χ^2/NDF: 31726403.9/101



Right In: -0.001+/-0.007 χ^2/NDF: 16.9/25

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

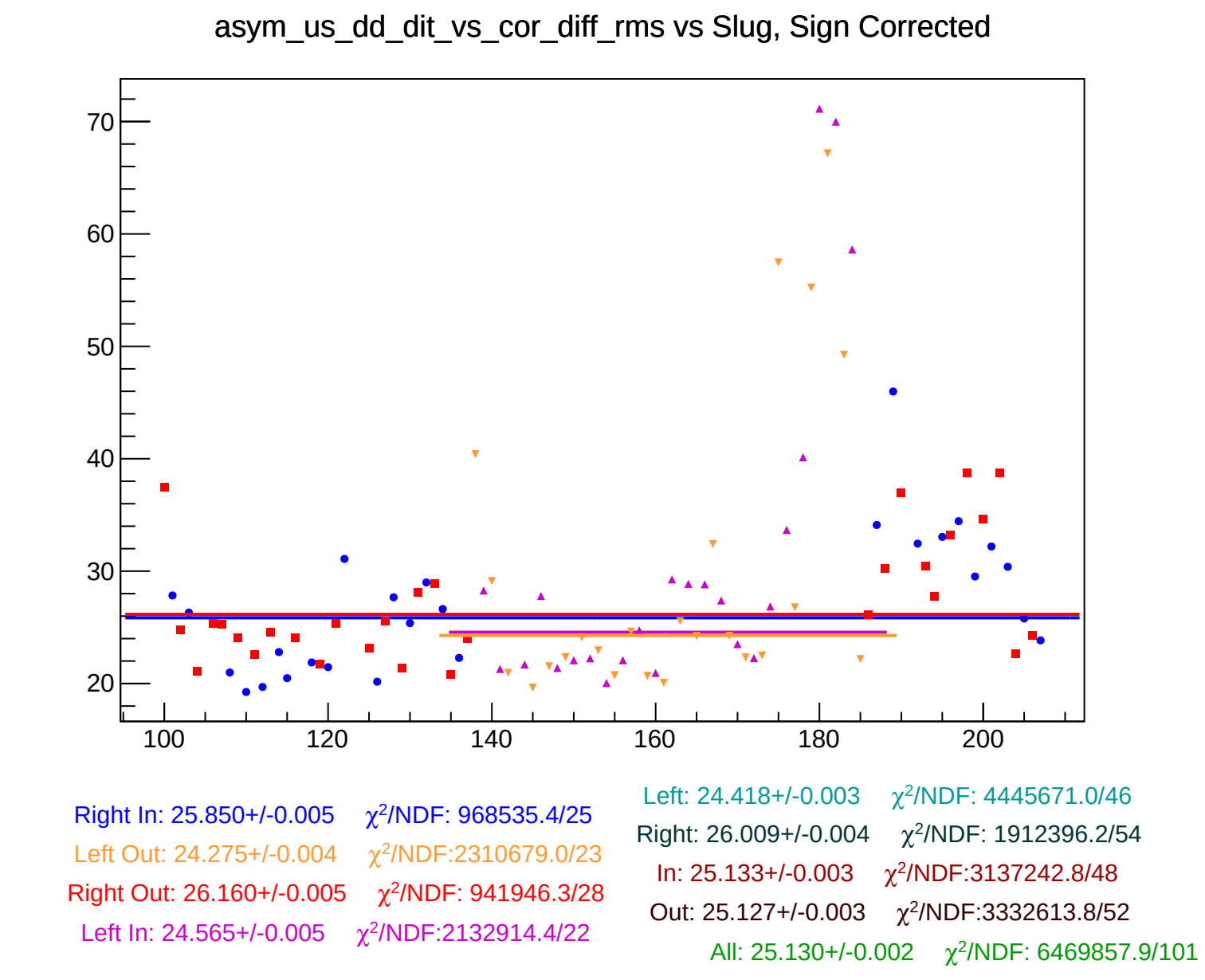
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

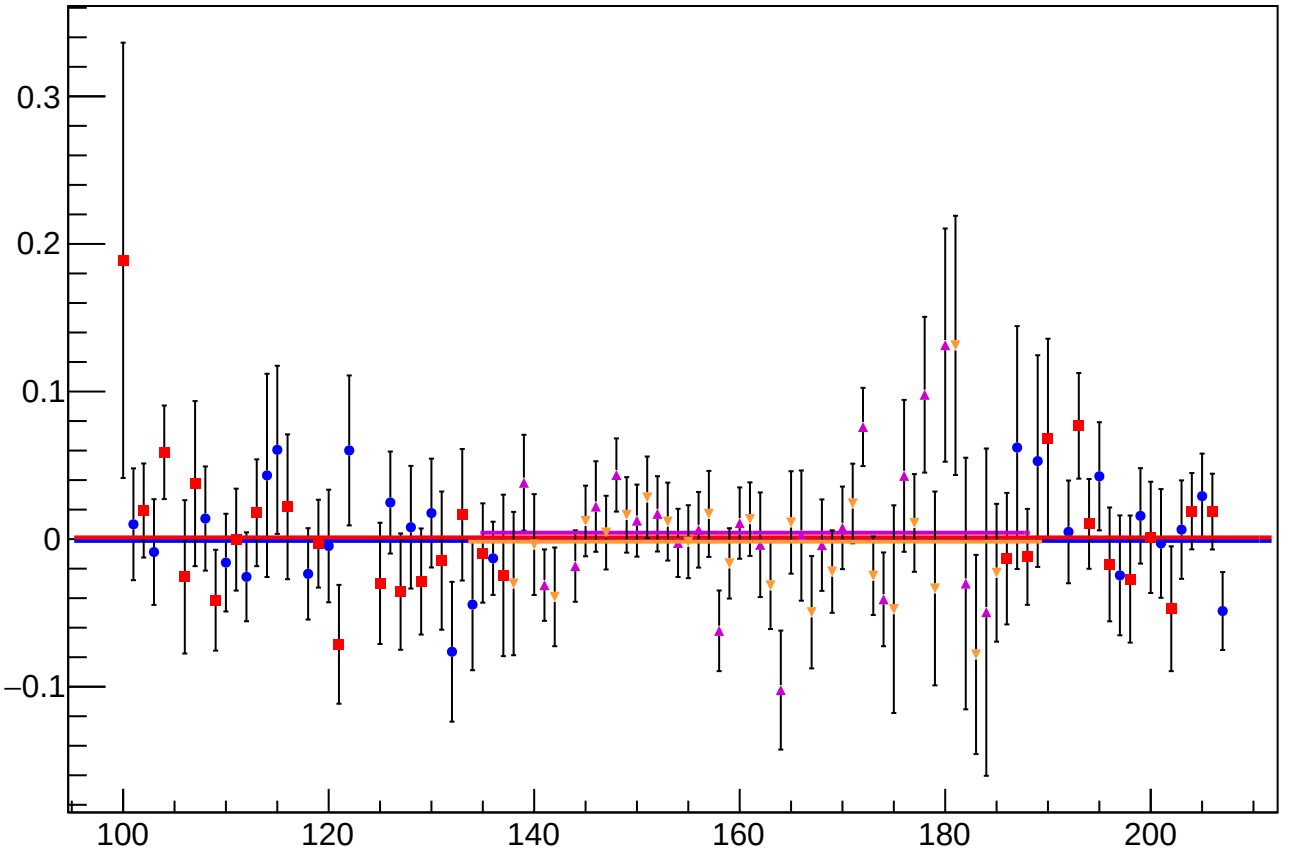
Right: 0.000+/-0.005 χ^2/NDF: 39.5/54

In: 0.002+/-0.005 χ^2/NDF:53.8/48

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.001+/-0.003 χ^2/NDF: 91.1/101


asym_us_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.850+/-0.005 χ²/NDF: 968535.4/25
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 26.160+/-0.005 χ²/NDF: 941946.3/28
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 26.009+/-0.004 χ²/NDF: 1912396.2/54
In: 25.133+/-0.003 χ²/NDF:3137242.8/48
Out: 25.127+/-0.003 χ²/NDF:3332613.8/52
All: 25.130+/-0.002 χ²/NDF: 6469857.9/101



Right In: -0.001+/-0.007 χ^2/NDF: 16.9/25

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

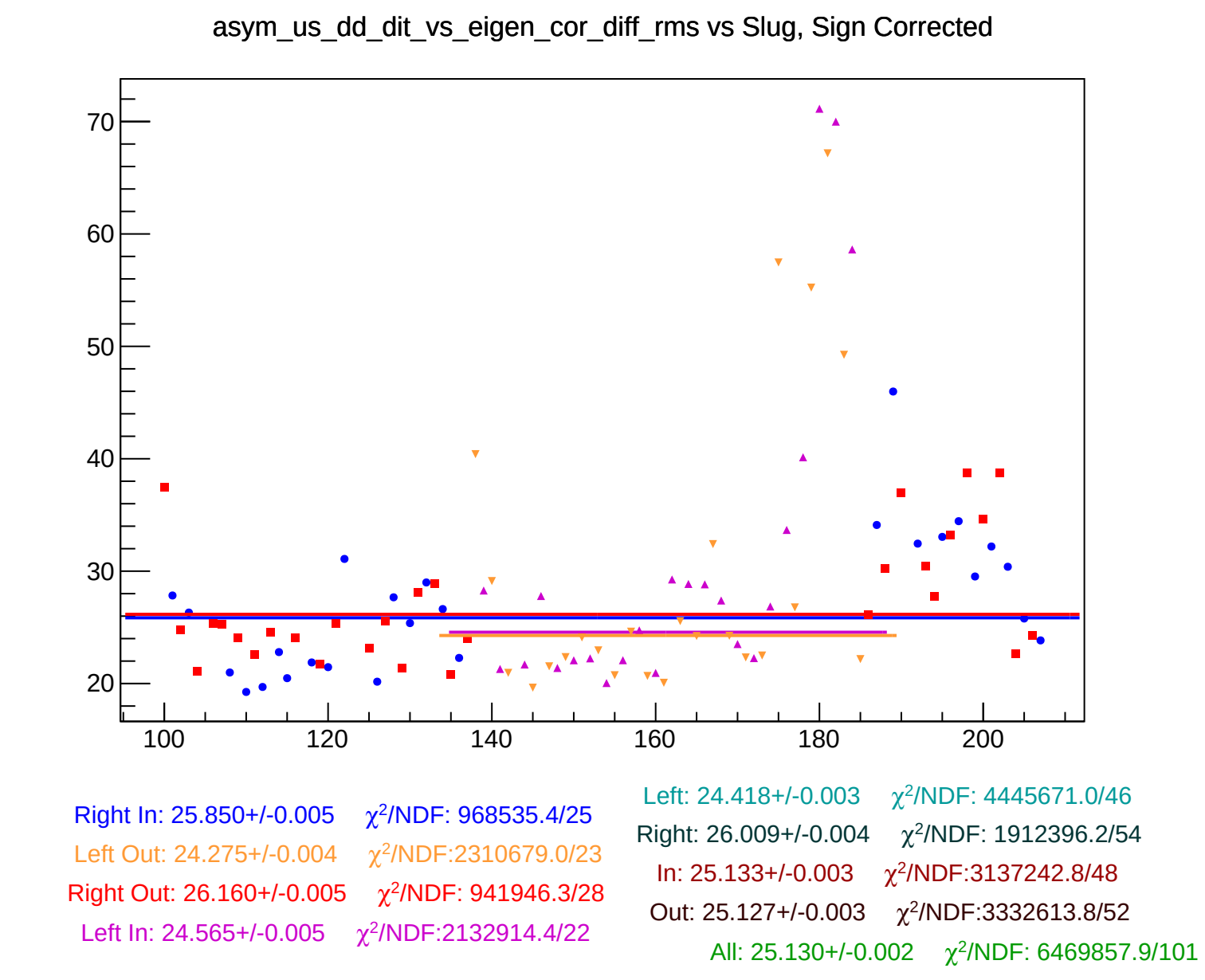
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.000+/-0.005 χ^2/NDF: 39.5/54

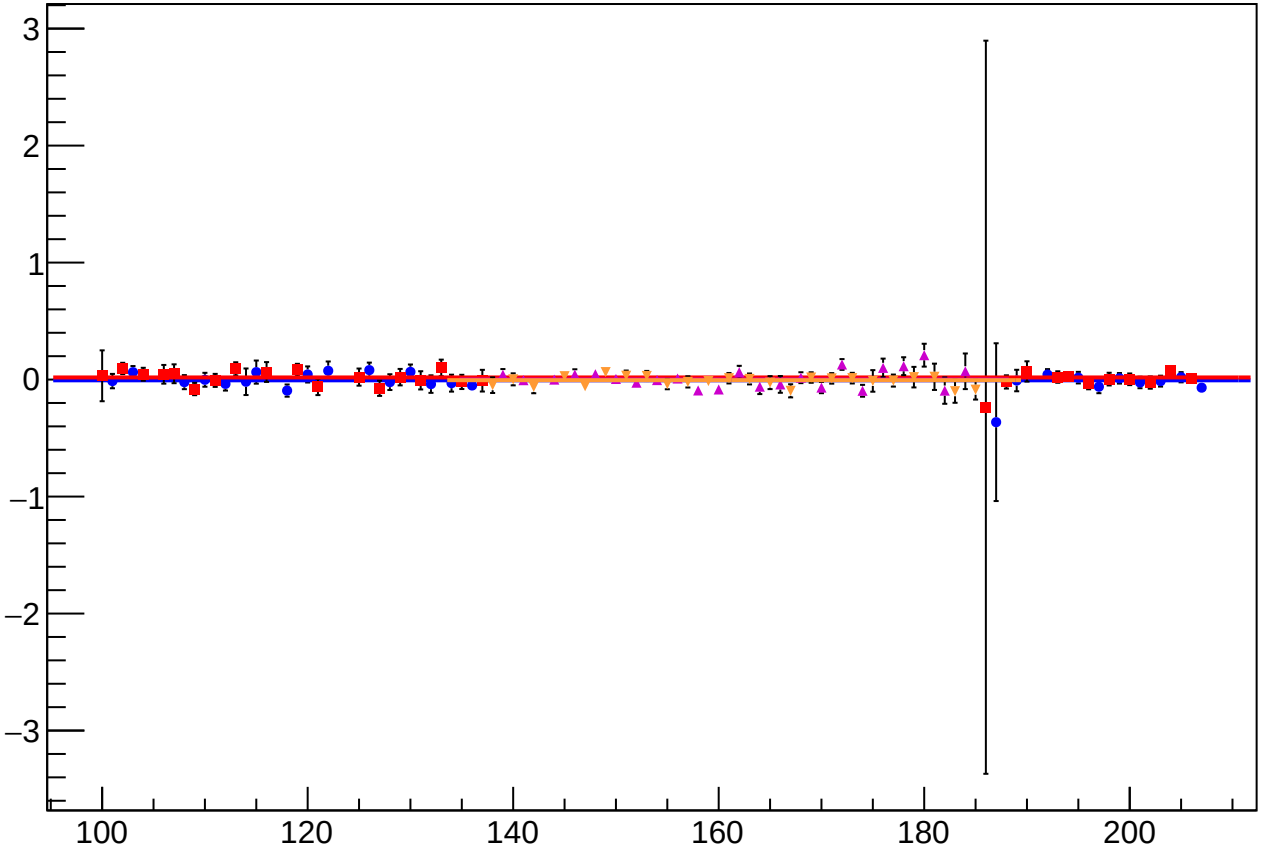
In: 0.002+/-0.005 χ^2/NDF:53.8/48

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.001+/-0.003 χ^2/NDF: 91.1/101


asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
70
60
50
40
30
20
100
120
140
160
180
200
Right In: 25.850+/-0.005 χ²/NDF: 968535.4/25
Left Out: 24.275+/-0.004 χ²/NDF:2310679.0/23
Right Out: 26.160+/-0.005 χ²/NDF: 941946.3/28
Left In: 24.565+/-0.005 χ²/NDF:2132914.4/22
Left: 24.418+/-0.003 χ²/NDF: 4445671.0/46
Right: 26.009+/-0.004 χ²/NDF: 1912396.2/54
In: 25.133+/-0.003 χ²/NDF:3137242.8/48
Out: 25.127+/-0.003 χ²/NDF:3332613.8/52
All: 25.130+/-0.002 χ²/NDF: 6469857.9/101

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 17.1/25

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

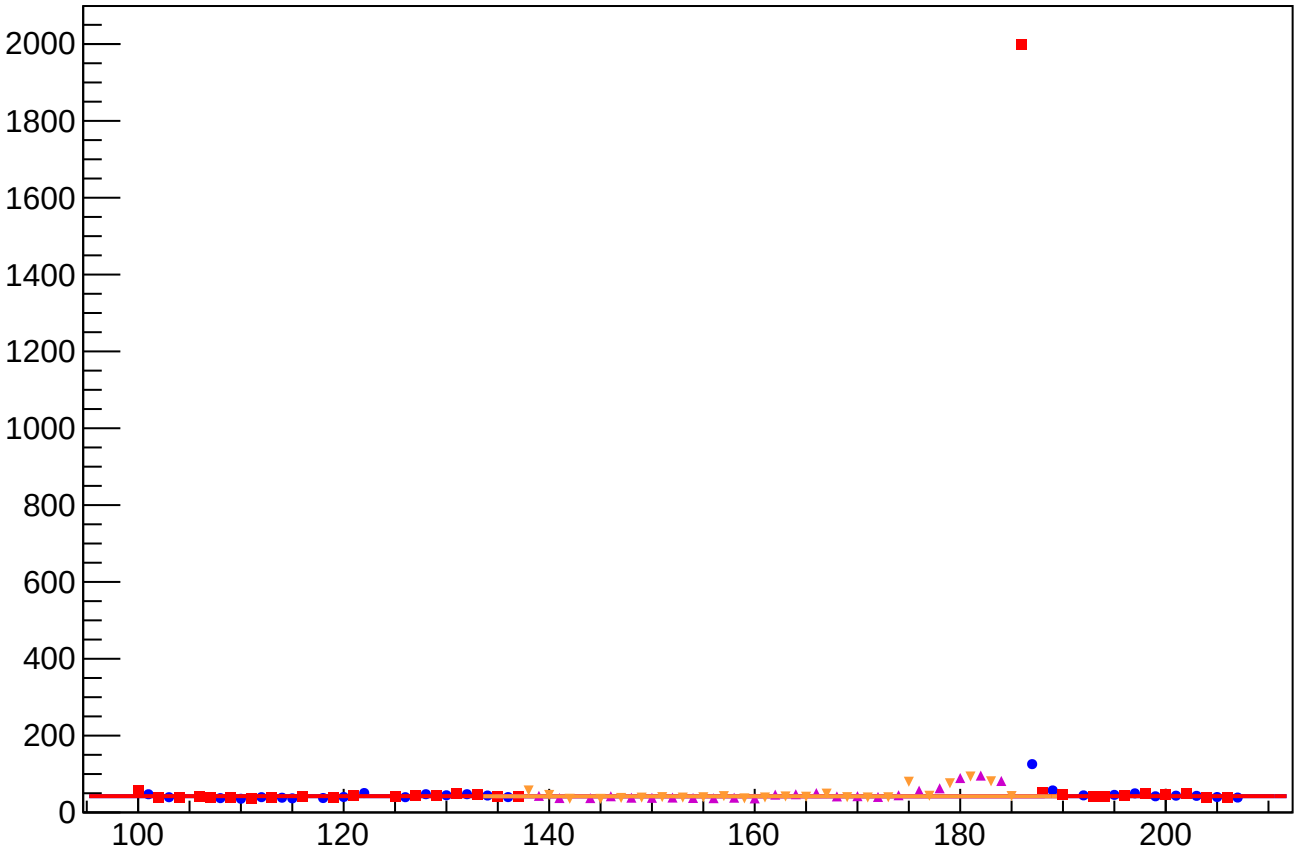
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.006+/-0.008 χ^2/NDF: 39.6/54

In: -0.003+/-0.008 χ^2/NDF:55.3/48

Out: 0.006+/-0.008 χ^2/NDF:36.3/52

All: 0.002+/-0.005 χ^2/NDF: 92.2/101



Right In: 42.334+/-0.008 χ^2/NDF: 299401.1/25

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

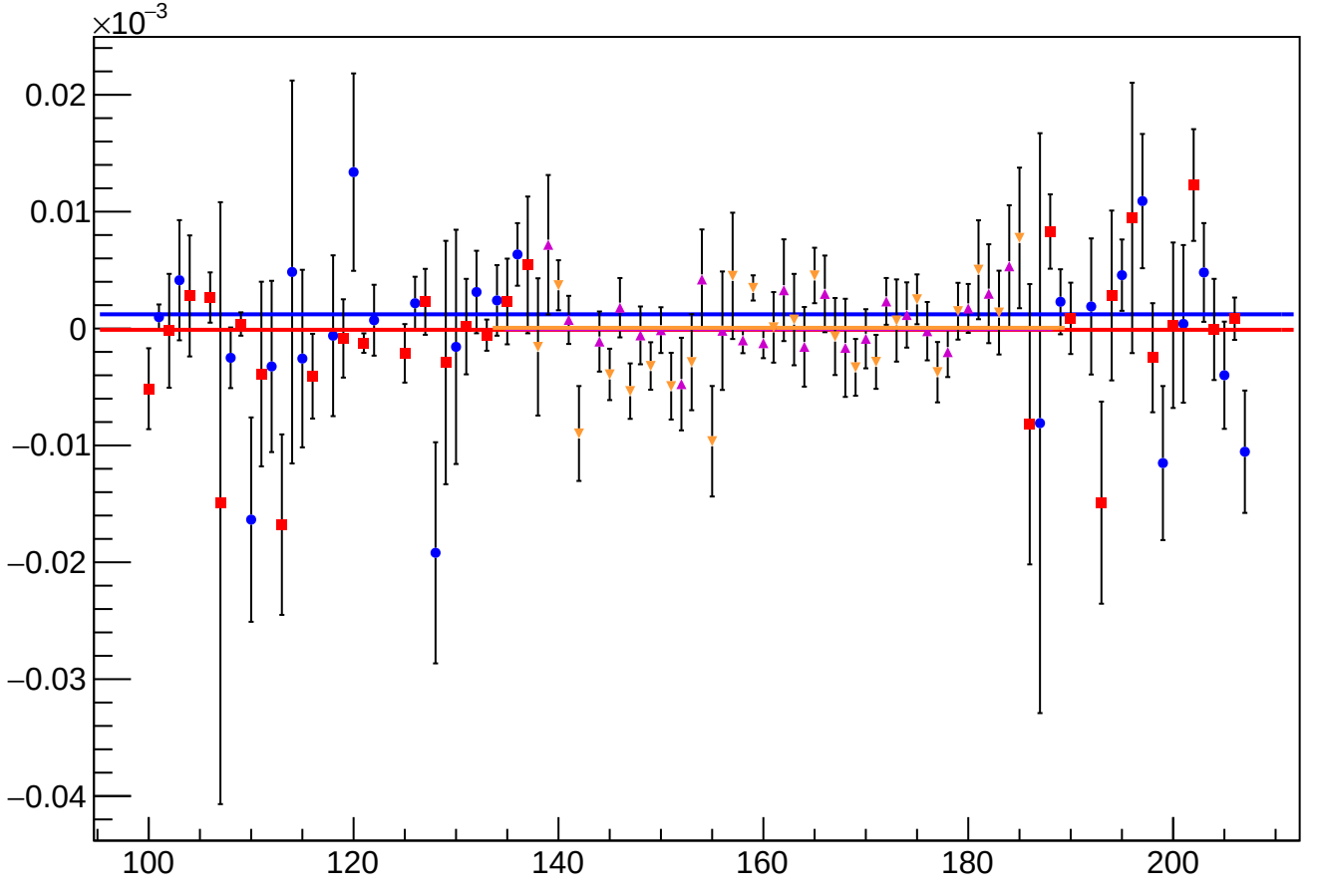
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.386+/-0.006 χ^2/NDF: 1358775.7/54

In: 42.195+/-0.005 χ^2/NDF:1843460.8/48

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

All: 42.224+/-0.004 χ^2/NDF: 4619902.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 33.5/25

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

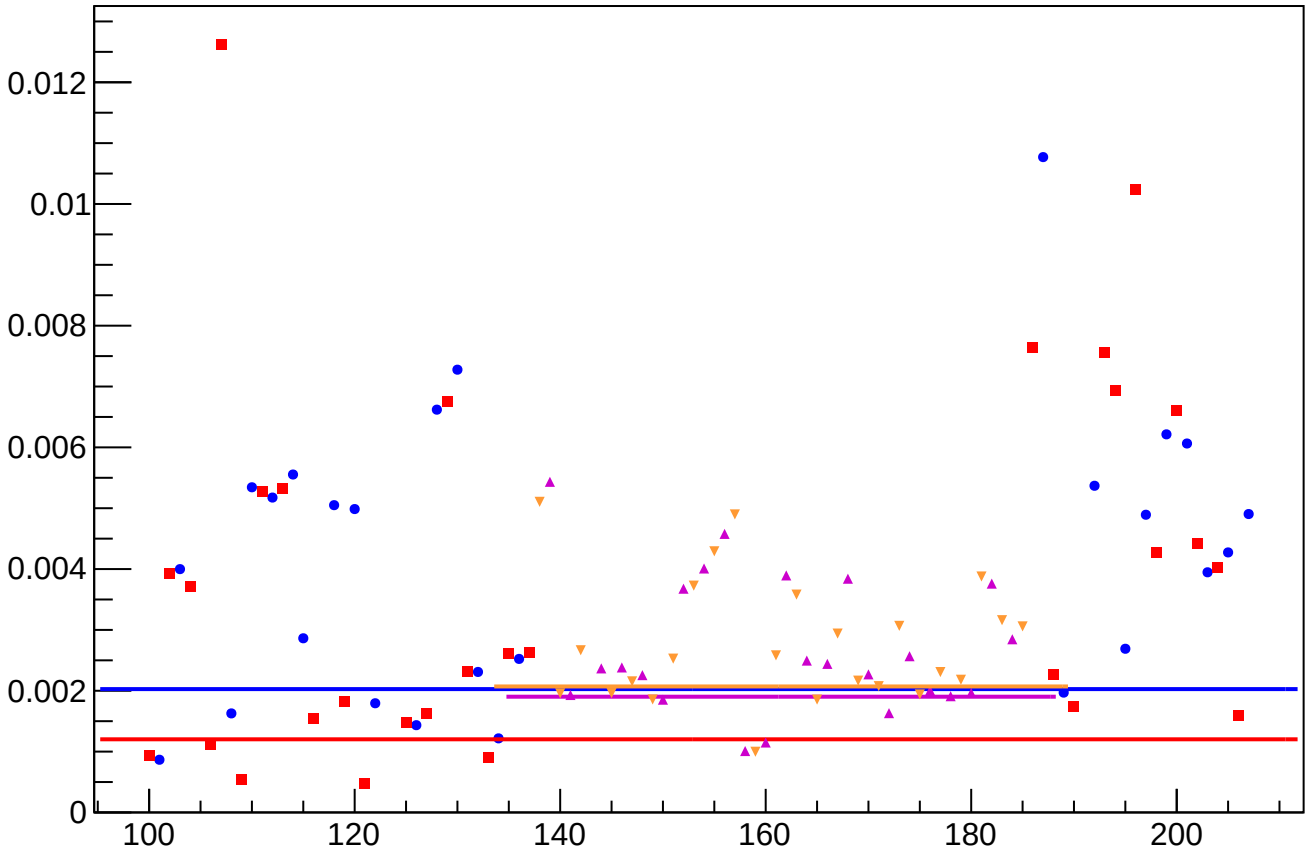
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 70.3/54

In: 0.000+/-0.000 χ^2/NDF:48.8/48

Out: -0.000+/-0.000 χ^2/NDF:85.9/52

All: 0.000+/-0.000 χ^2/NDF: 135.4/101



Right In: 0.002+/-0.000 χ^2/NDF: 9947222.2/25

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

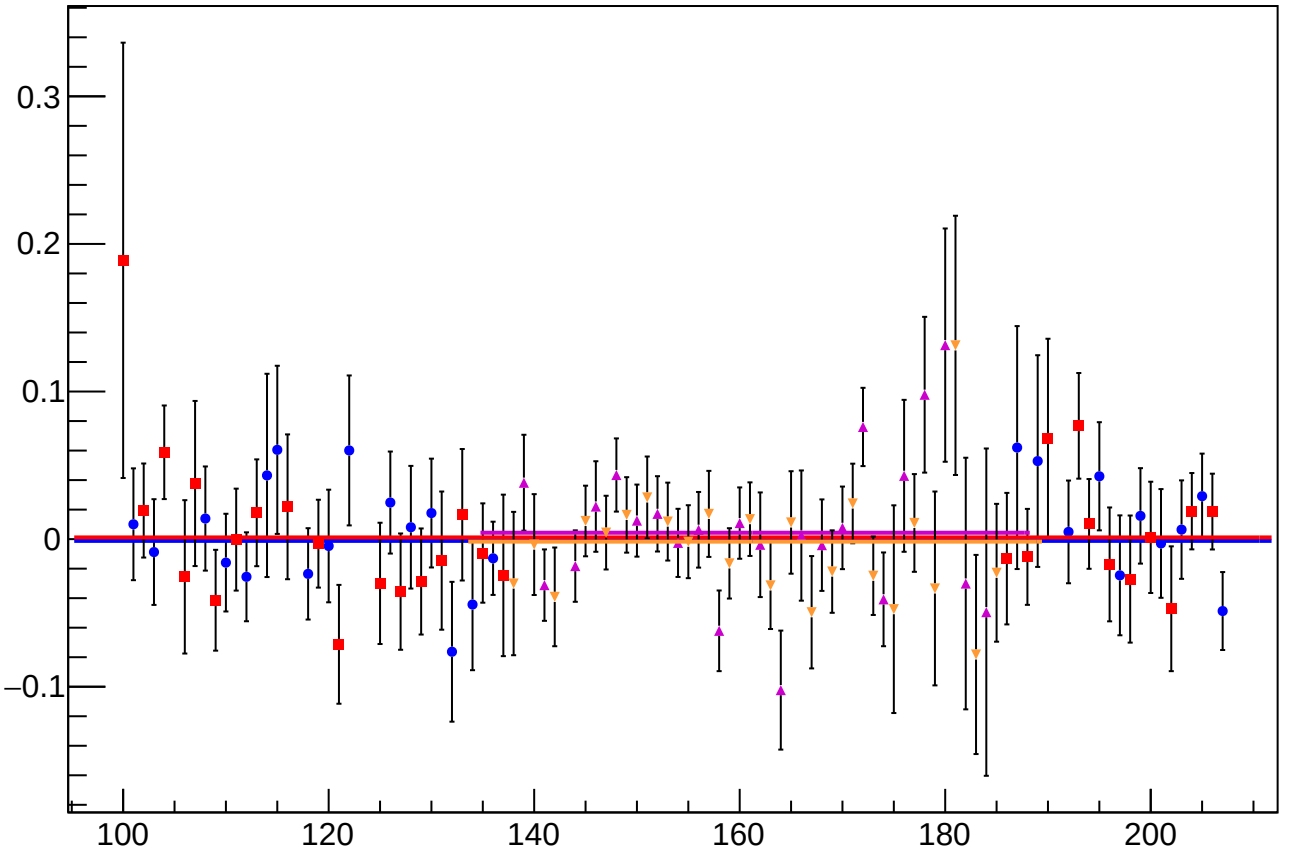
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 26734973.3/54

In: 0.002+/-0.000 χ^2/NDF:15928720.4/48

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

All: 0.002+/-0.000 χ^2/NDF: 39989826.7/101



Right In: -0.001+/-0.007 χ^2/NDF: 16.9/25

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

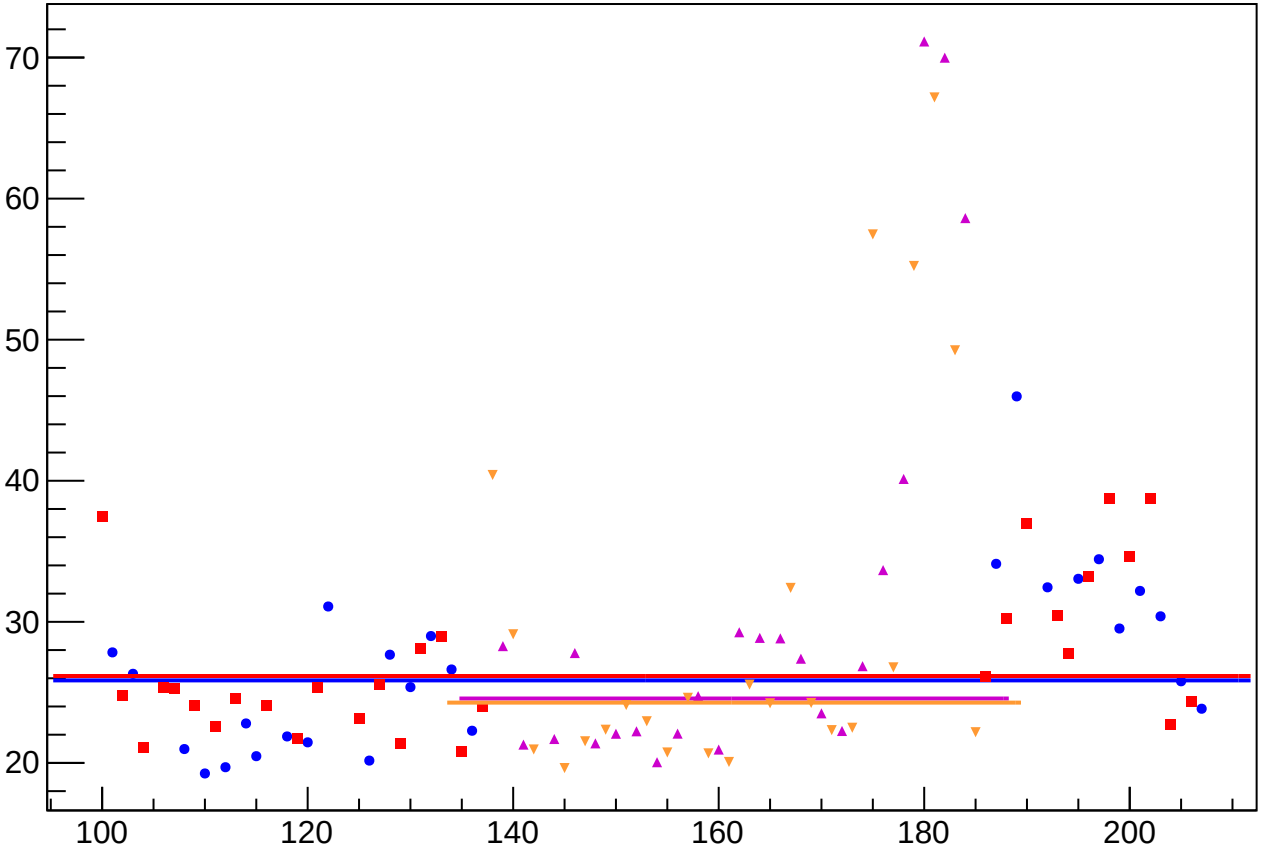
Right: 0.000+/-0.005 χ^2/NDF: 39.5/54

In: 0.002+/-0.005 χ^2/NDF:53.8/48

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.001+/-0.003 χ^2/NDF: 91.1/101

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.850+/-0.005 χ^2/NDF: 968510.7/25

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

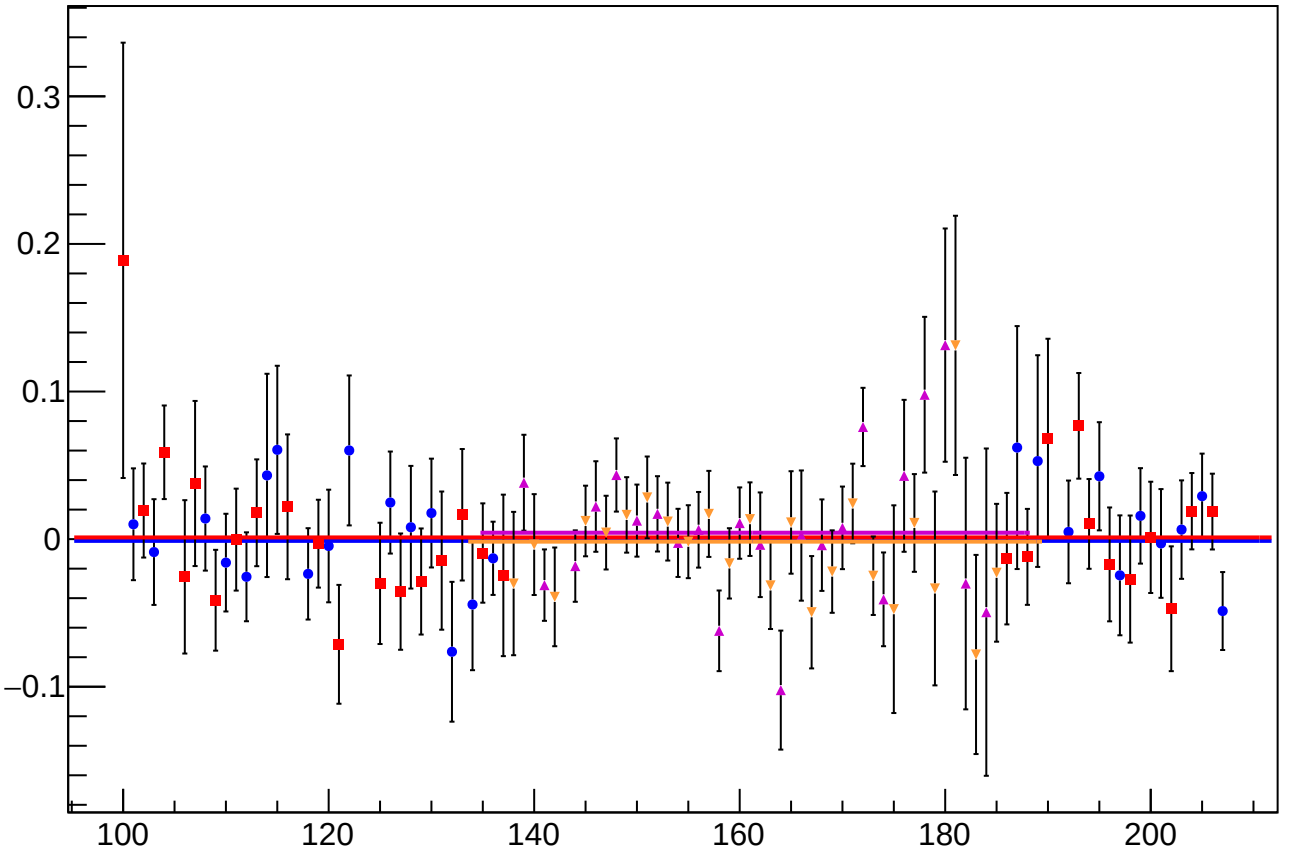
Left: 24.419+/-0.003 χ^2/NDF: 4445544.6/46

Right: 26.010+/-0.004 χ^2/NDF: 1912283.2/54

In: 25.133+/-0.003 χ^2/NDF:3137046.5/48

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

All: 25.130+/-0.002 χ^2/NDF: 6469594.0/101



Right In: -0.001+/-0.007 χ^2/NDF: 16.9/25

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

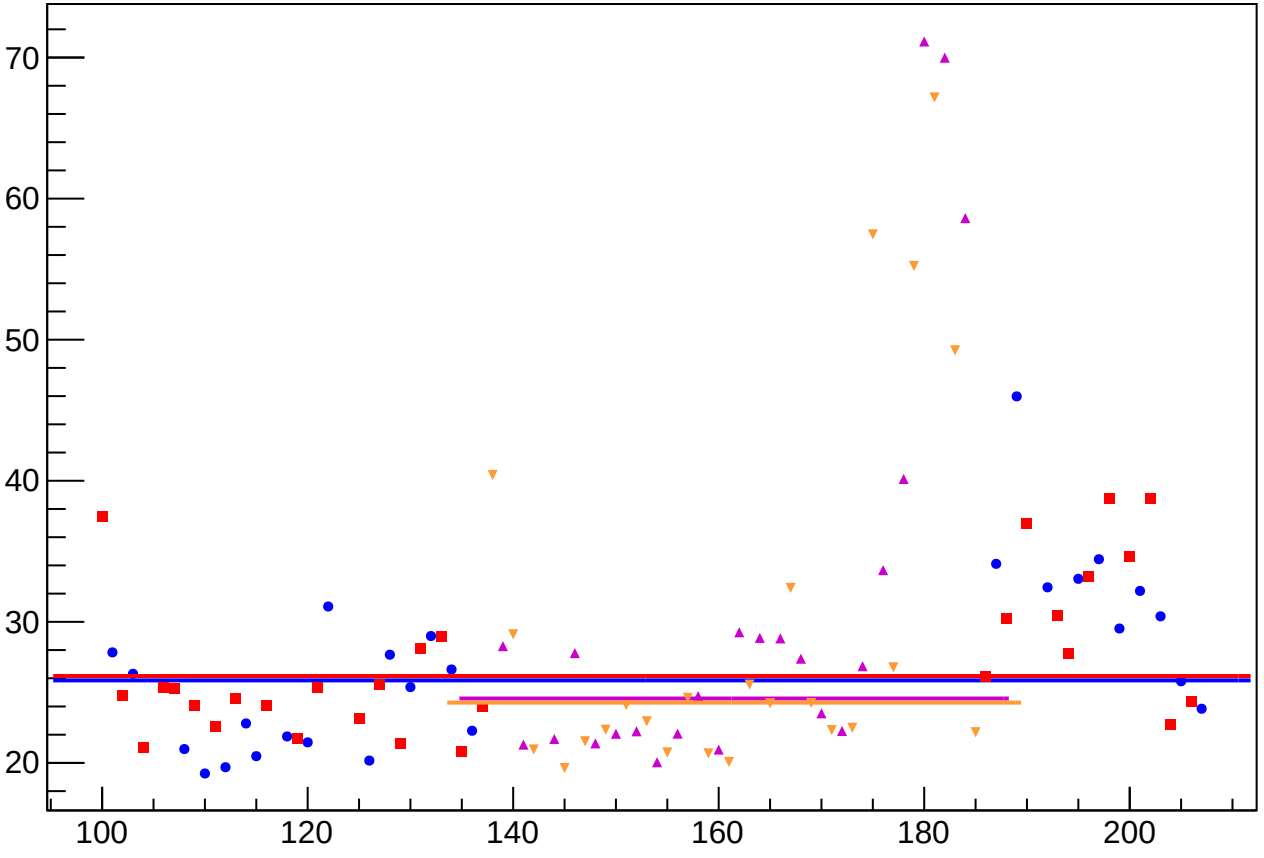
Right: 0.000+/-0.005 χ^2/NDF: 39.5/54

In: 0.002+/-0.005 χ^2/NDF:53.8/48

Out: -0.000+/-0.005 χ^2/NDF:37.2/52

All: 0.001+/-0.003 χ^2/NDF: 91.1/101

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.850+/-0.005 χ^2/NDF: 968510.7/25

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

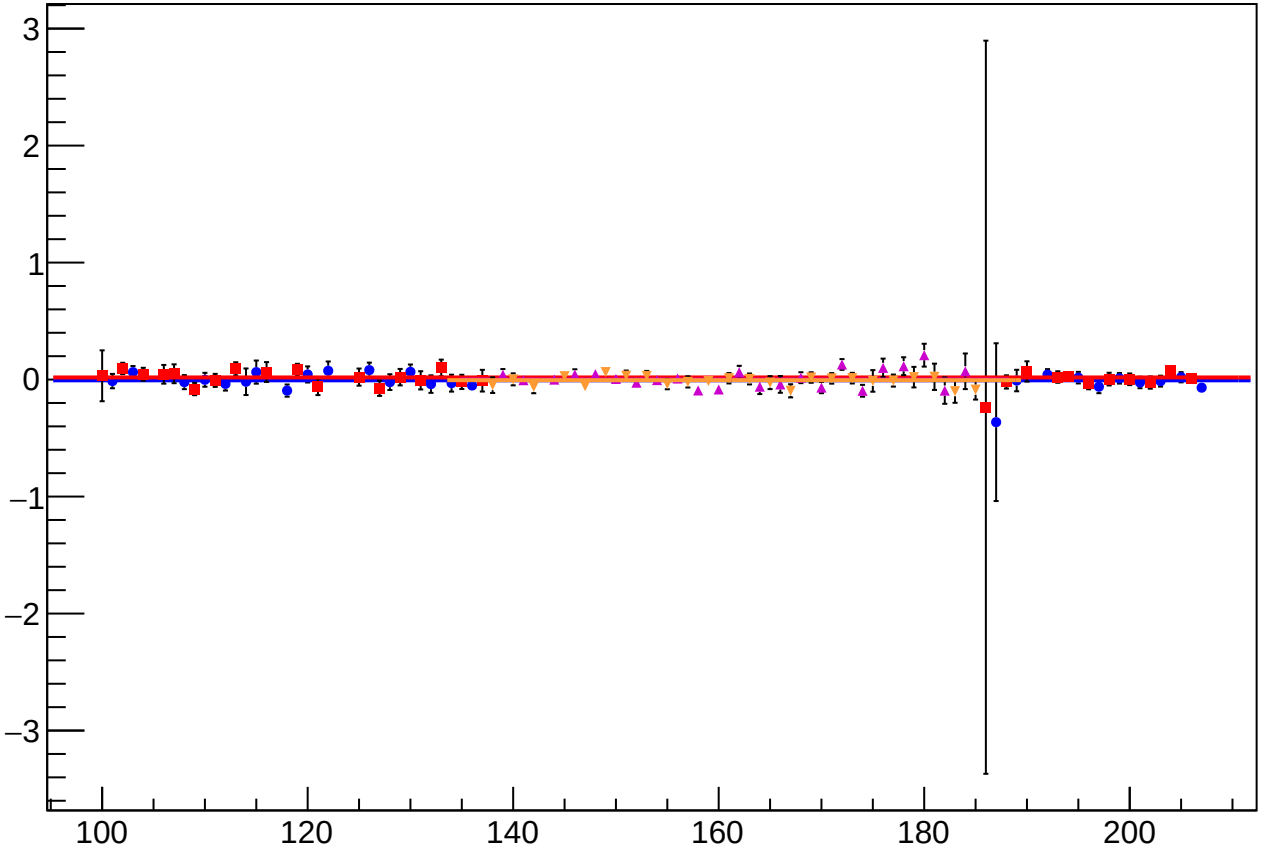
Right: 26.010+/-0.004 χ^2/NDF: 1912283.2/54

In: 25.133+/-0.003 χ^2/NDF:3137046.5/48

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

All: 25.130+/-0.002 χ^2/NDF: 6469594.0/101

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 17.1/25

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

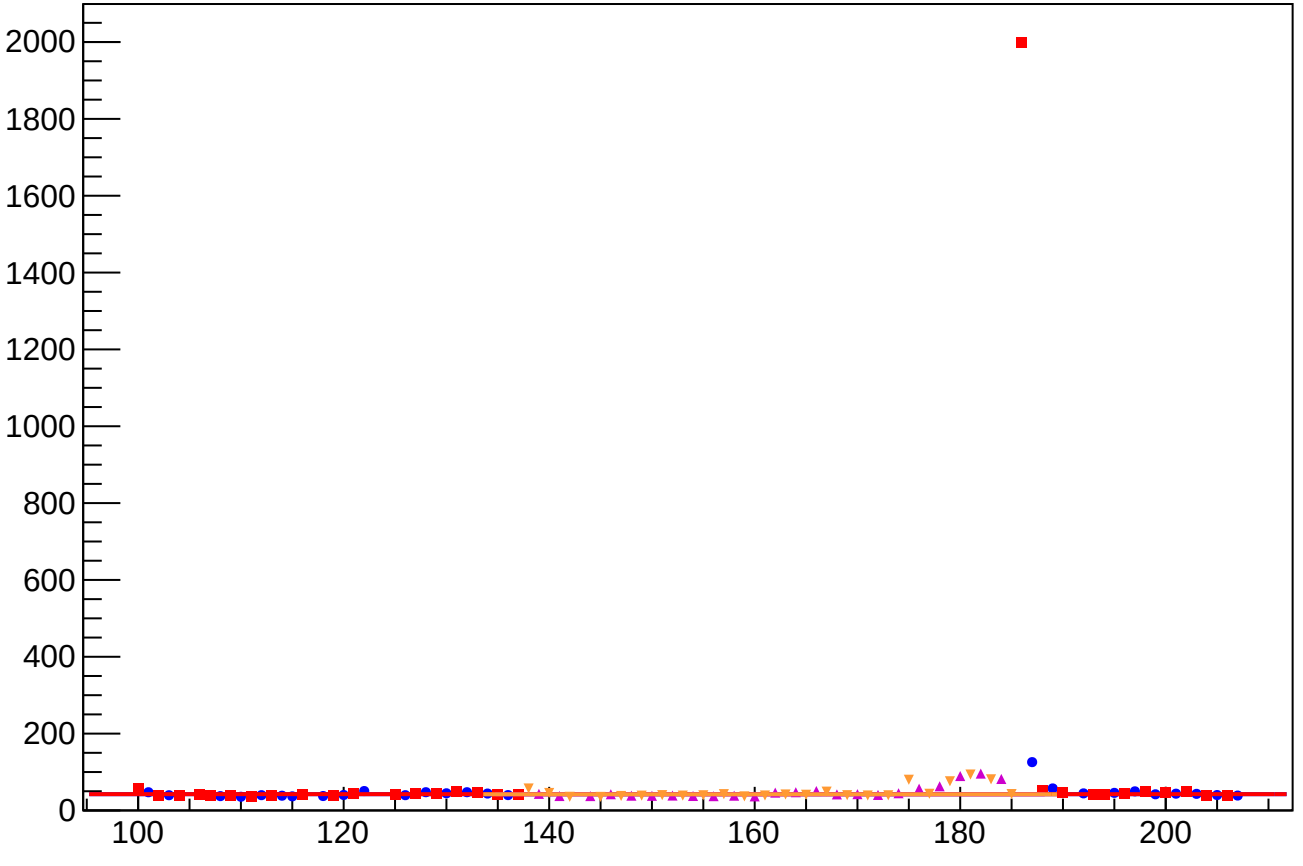
Right: 0.006+/-0.008 χ^2/NDF: 39.6/54

In: -0.003+/-0.008 χ^2/NDF:55.3/48

Out: 0.006+/-0.008 χ^2/NDF:36.3/52

All: 0.002+/-0.005 χ^2/NDF: 92.2/101

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.334+/-0.008 χ^2/NDF: 299354.4/25

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

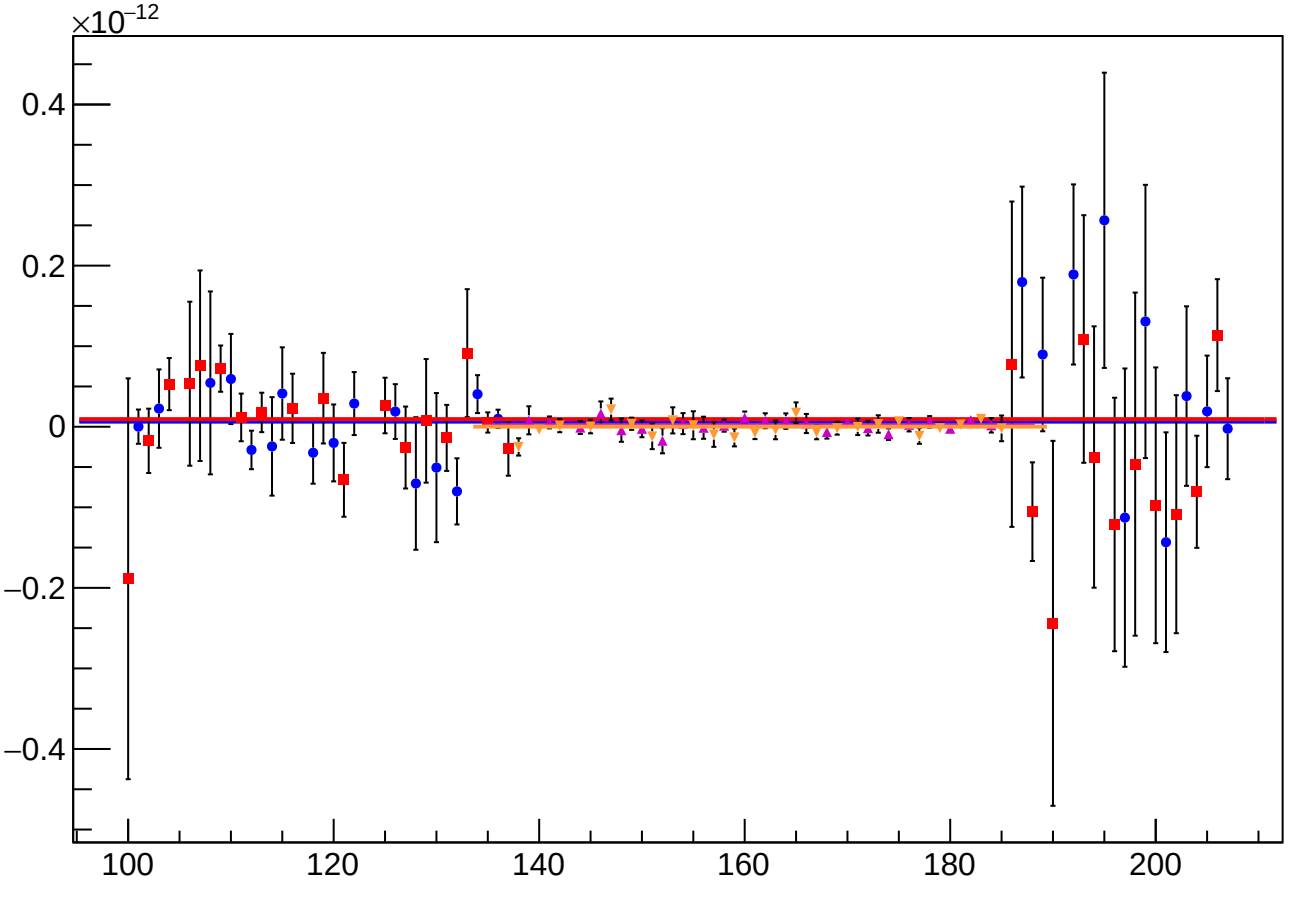
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.386+/-0.006 χ^2/NDF: 1358716.2/54

In: 42.195+/-0.005 χ^2/NDF:1843388.9/48

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

All: 42.224+/-0.004 χ^2/NDF: 4619808.1/101



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/25

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

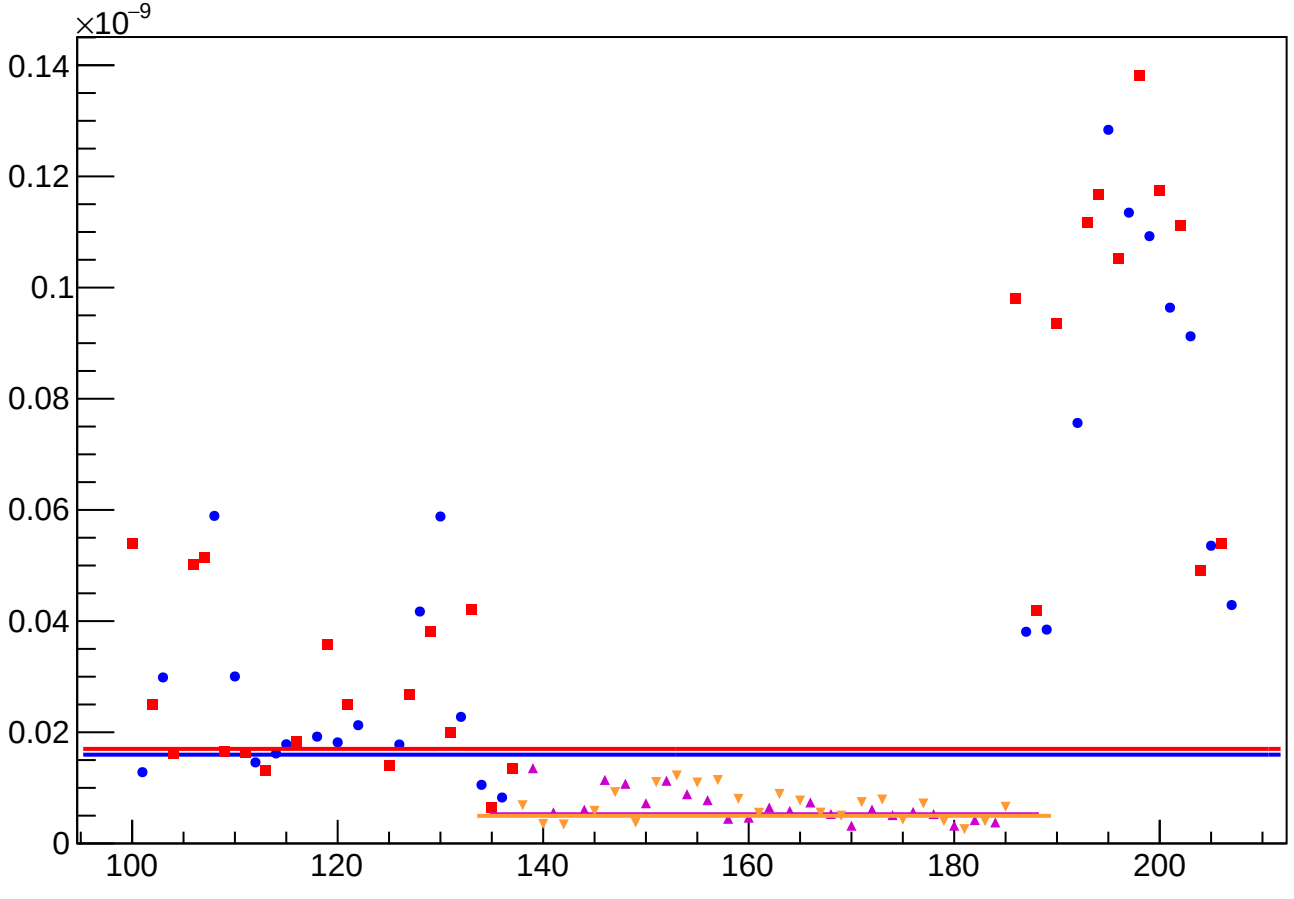
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 49.3/54

In: 0.000+/-0.000 χ^2/NDF:35.6/48

Out: 0.000+/-0.000 χ^2/NDF:48.4/52

All: 0.000+/-0.000 χ^2/NDF: 84.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 7622351.0/25

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

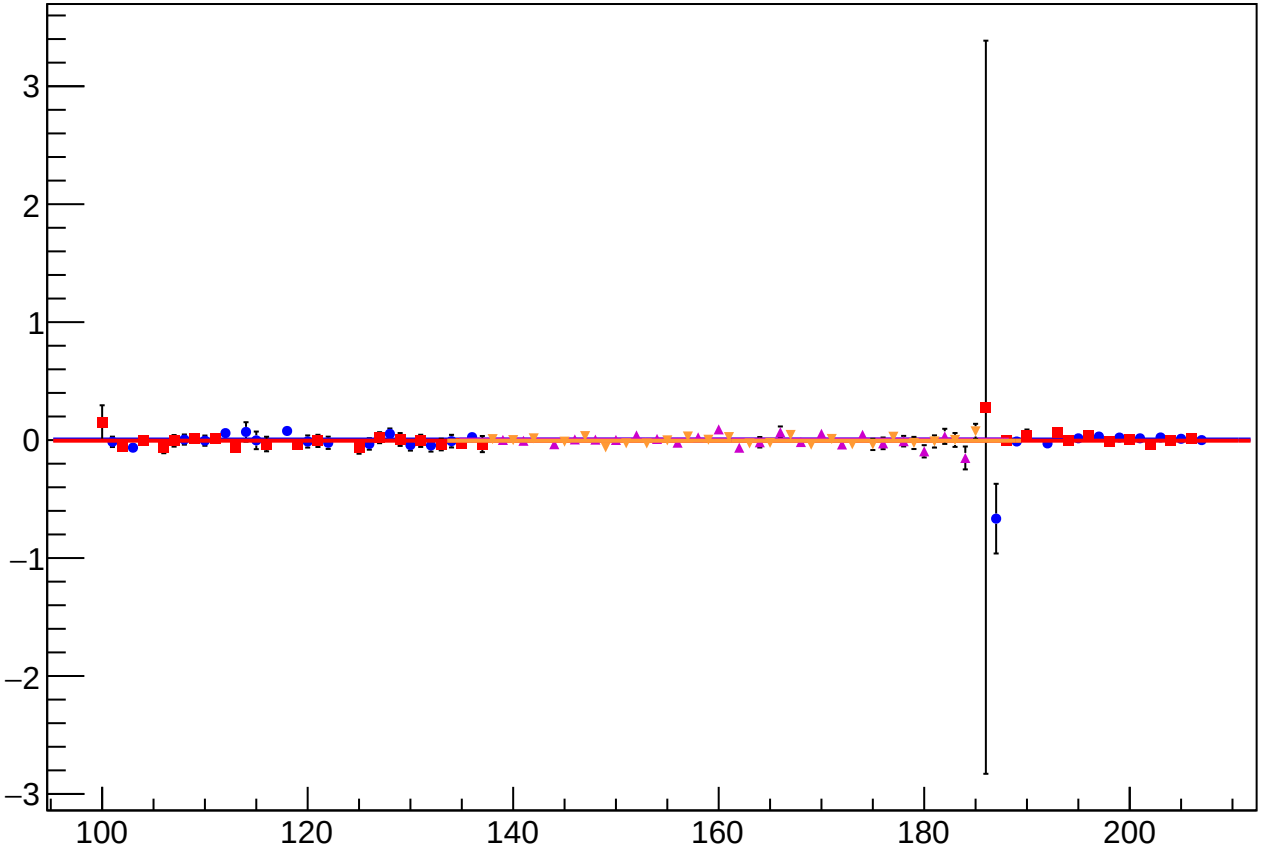
Right: 0.000+/-0.000 χ^2/NDF: 16536858.2/54

In: 0.000+/-0.000 χ^2/NDF:14439102.8/48

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

All: 0.000+/-0.000 χ^2/NDF: 31725090.5/101

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 24.2/25

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

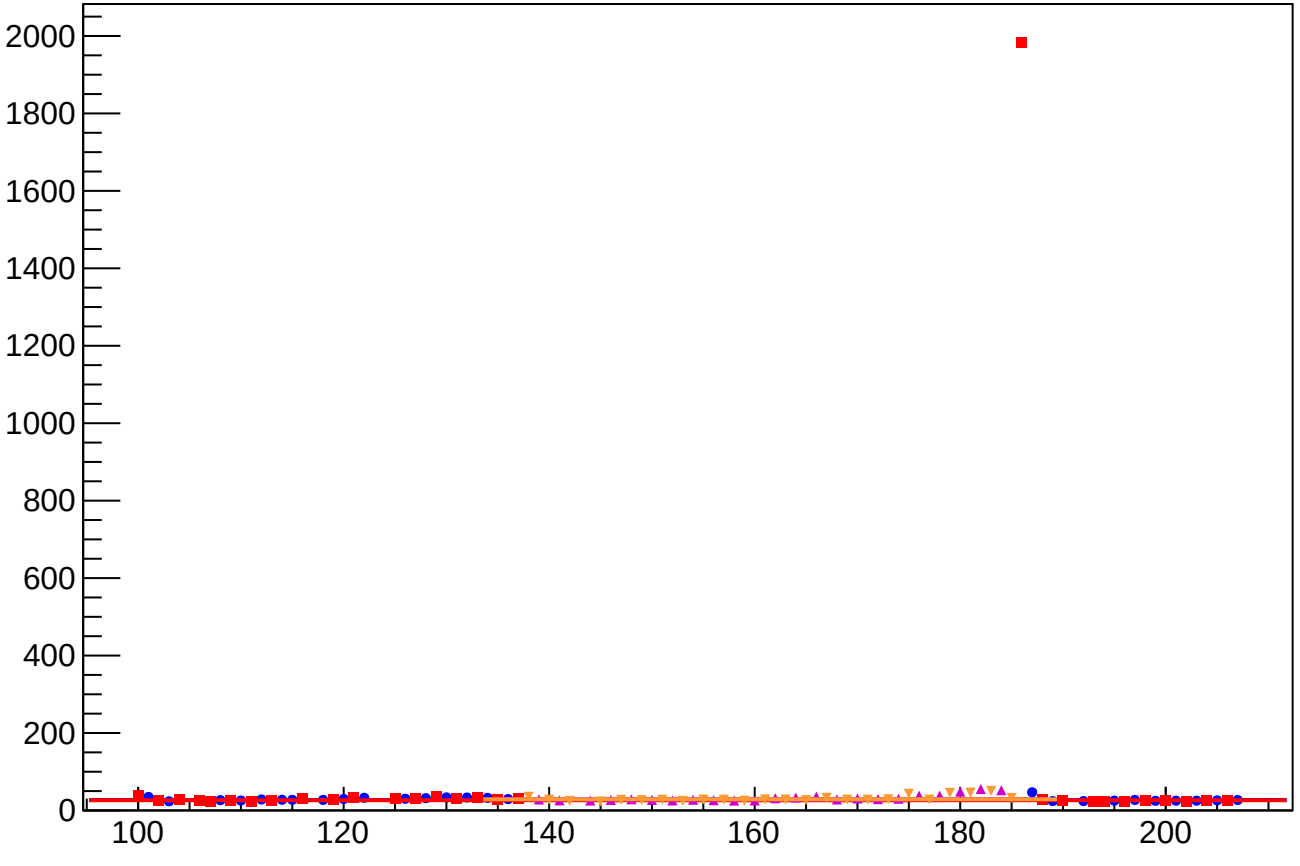
Right: -0.000+/-0.005 χ^2/NDF: 47.9/54

In: 0.005+/-0.005 χ^2/NDF:55.4/48

Out: -0.005+/-0.005 χ^2/NDF:39.5/52

All: -0.000+/-0.004 χ^2/NDF: 96.7/101

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.043+/-0.005 χ^2/NDF: 329517.7/25

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

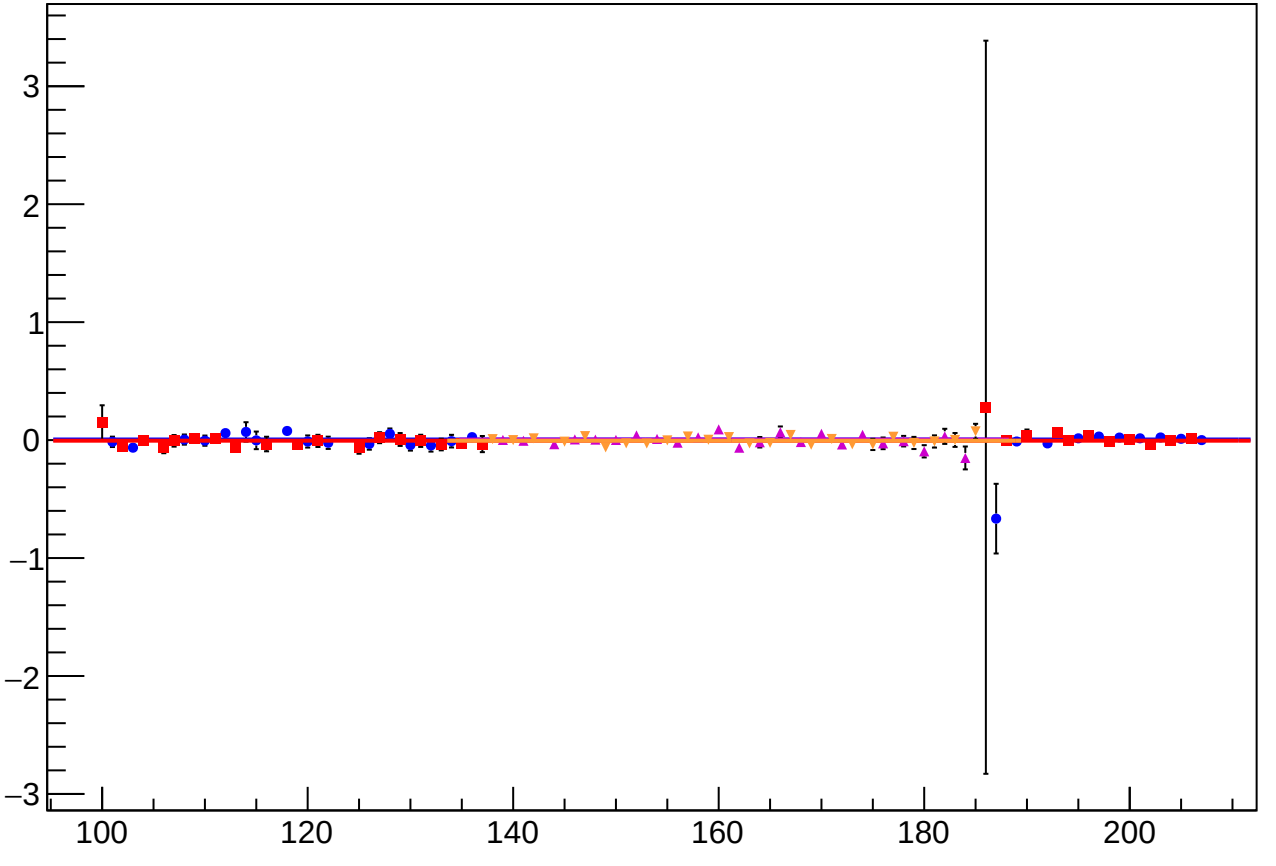
Right: 26.693+/-0.004 χ^2/NDF: 1444242.6/54

In: 28.170+/-0.004 χ^2/NDF:1562956.2/48

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

All: 27.858+/-0.003 χ^2/NDF: 3971478.1/101

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 24.2/25

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

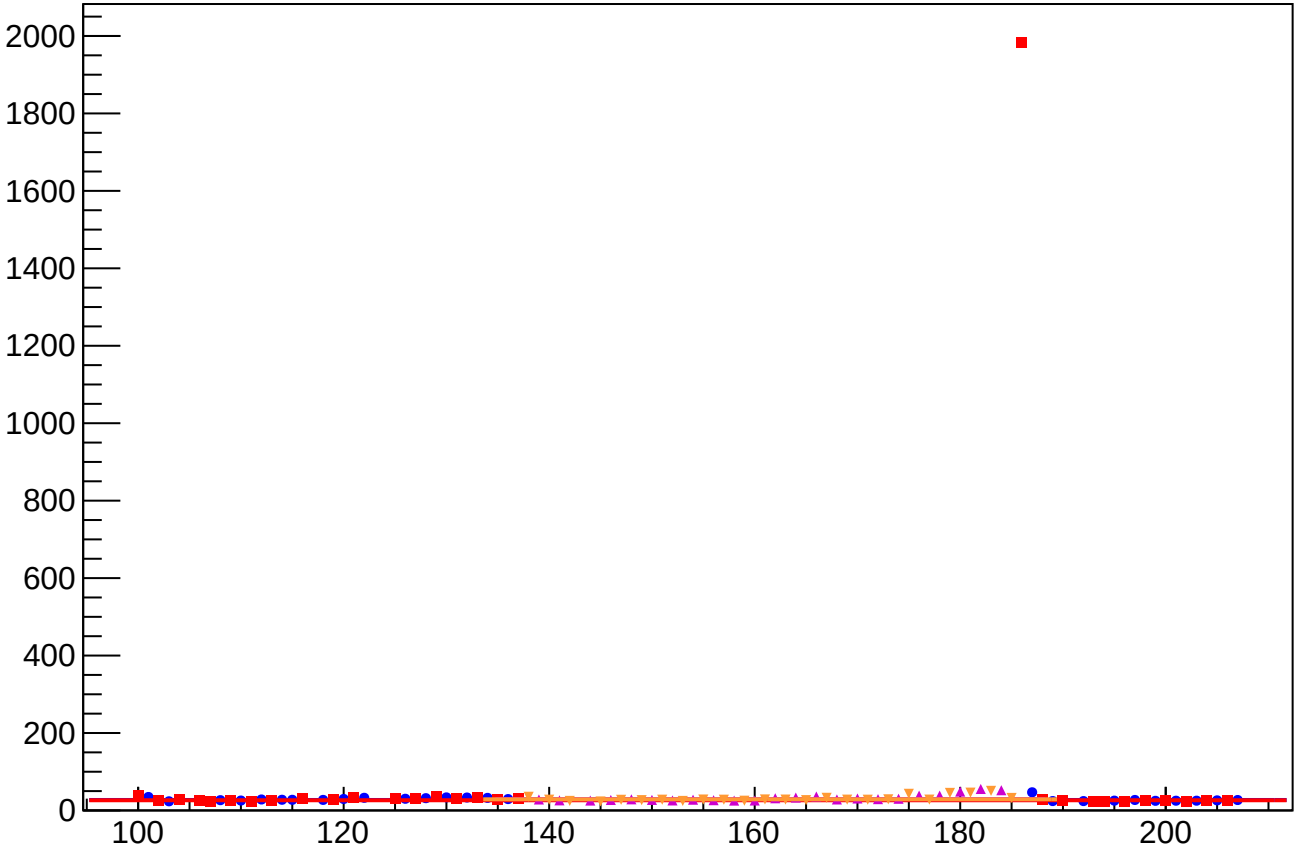
Right: -0.000+/-0.005 χ^2/NDF: 47.9/54

In: 0.005+/-0.005 χ^2/NDF:55.4/48

Out: -0.005+/-0.005 χ^2/NDF:39.5/52

All: -0.000+/-0.004 χ^2/NDF: 96.7/101

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 27.043+/-0.005 χ^2/NDF: 329517.7/25

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

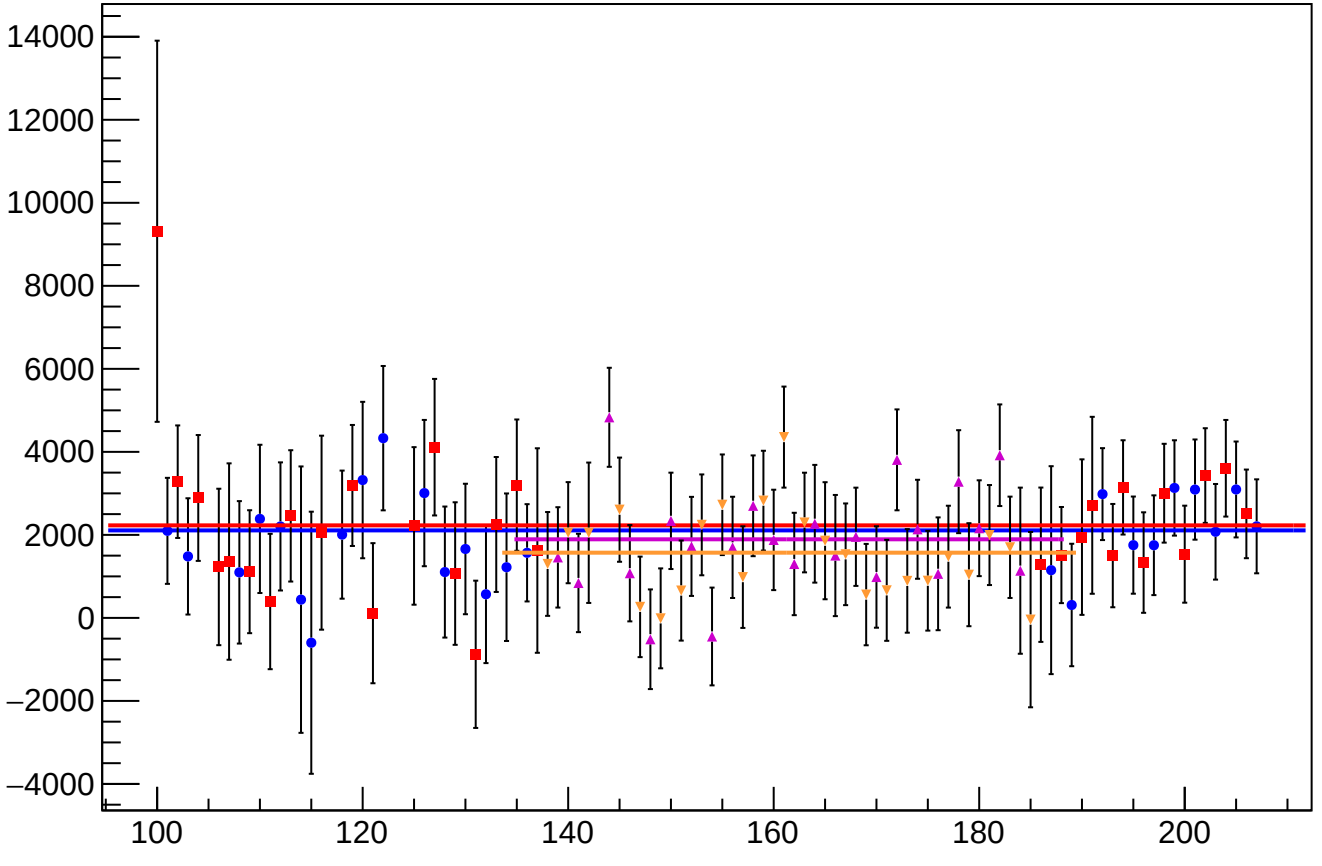
Right: 26.693+/-0.004 χ^2/NDF: 1444242.6/54

In: 28.170+/-0.004 χ^2/NDF:1562956.2/48

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

All: 27.858+/-0.003 χ^2/NDF: 3971478.1/101

reg_asym_usl_mean vs Slug, Sign Corrected



Right In: 2107.973+/-282.293 χ^2/NDF: 10.3/25

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

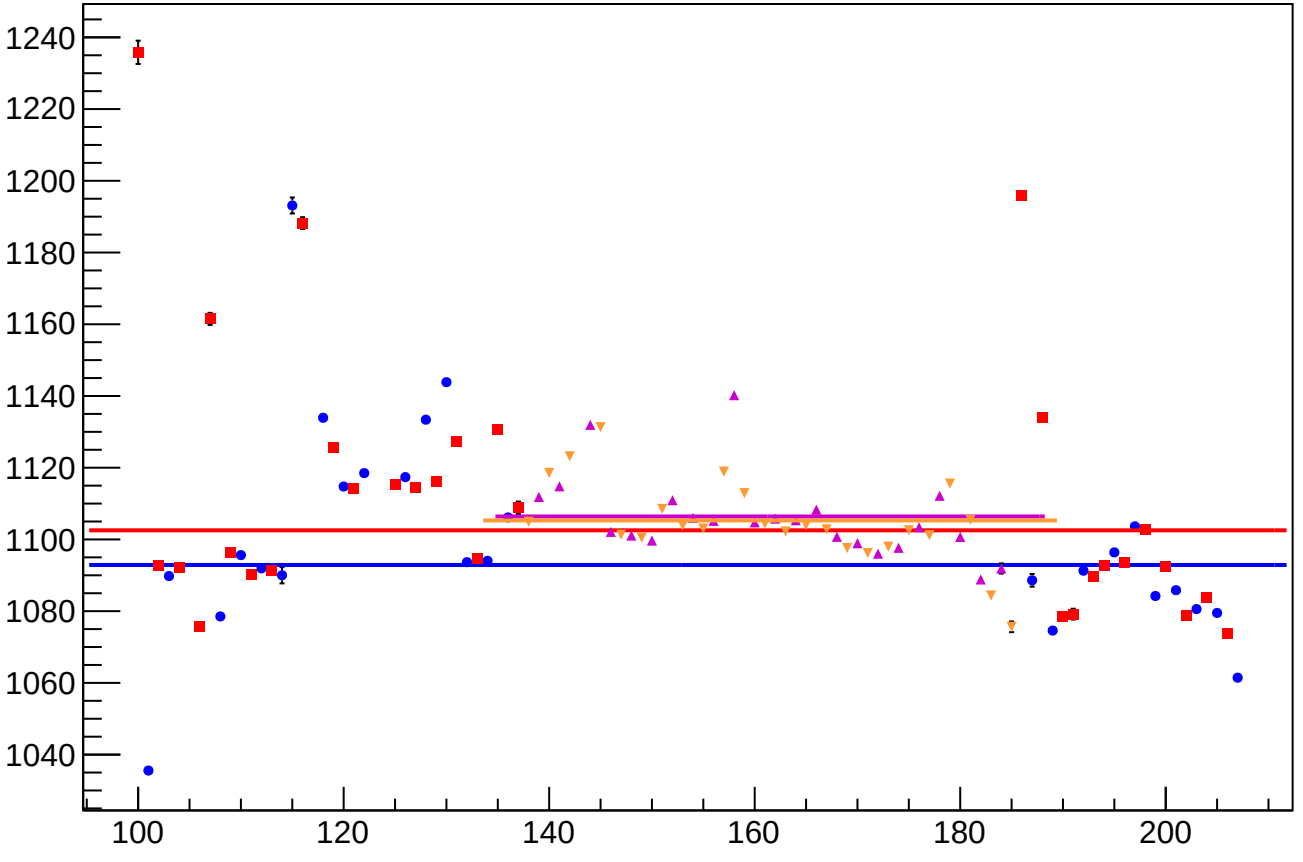
Right: 2170.663+/-196.170 χ^2/NDF: 28.8/55

In: 1991.169+/-190.580 χ^2/NDF:34.7/48

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

All: 1934.458+/-133.435 χ^2/NDF: 71.7/102

reg_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.881+/-0.200 χ^2/NDF: 15101.4/25

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

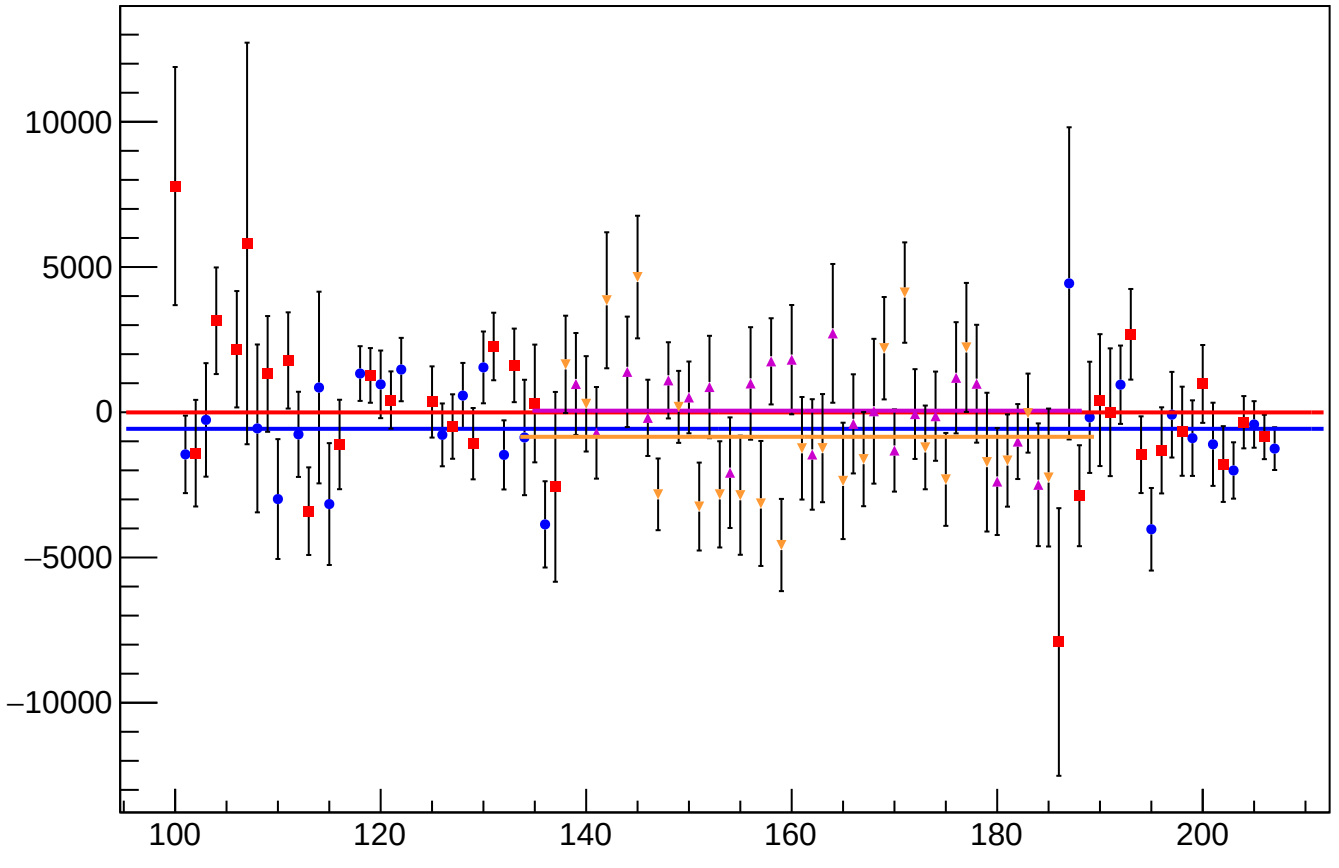
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1097.876+/-0.139 χ^2/NDF: 35344.2/55

In: 1100.241+/-0.135 χ^2/NDF:21375.9/48

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

All: 1102.159+/-0.094 χ^2/NDF: 44074.6/102



Right In: -570.057+/-252.072 χ^2/NDF: 33.8/25

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

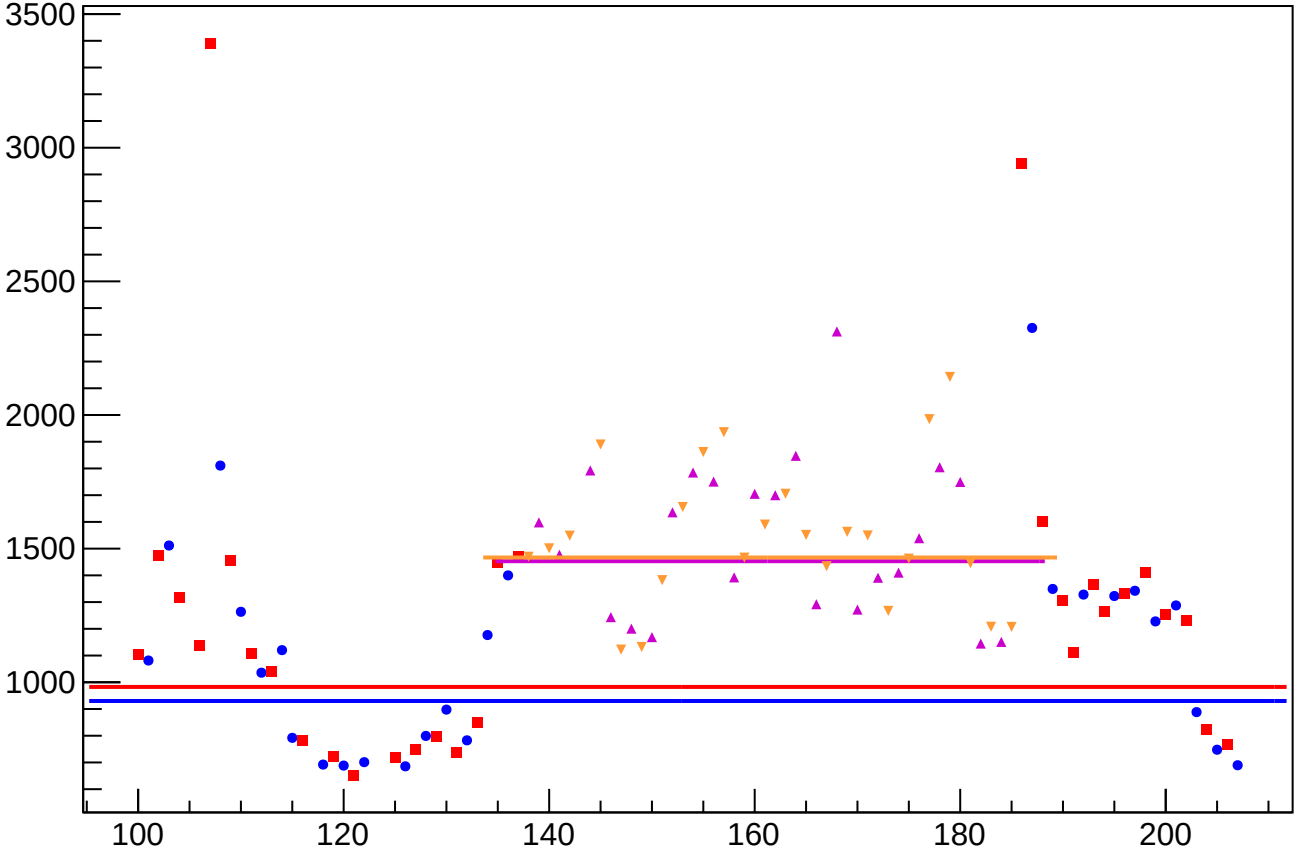
Right: -293.112+/-179.976 χ^2/NDF: 76.3/55

In: -353.527+/-203.730 χ^2/NDF:49.0/48

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

All: -328.224+/-145.071 χ^2/NDF: 137.0/102

asym_usl_reg_correction_rms vs Slug, Sign Corrected



Right In: 929.999+/-0.178 χ^2/NDF: 2425336.9/25

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

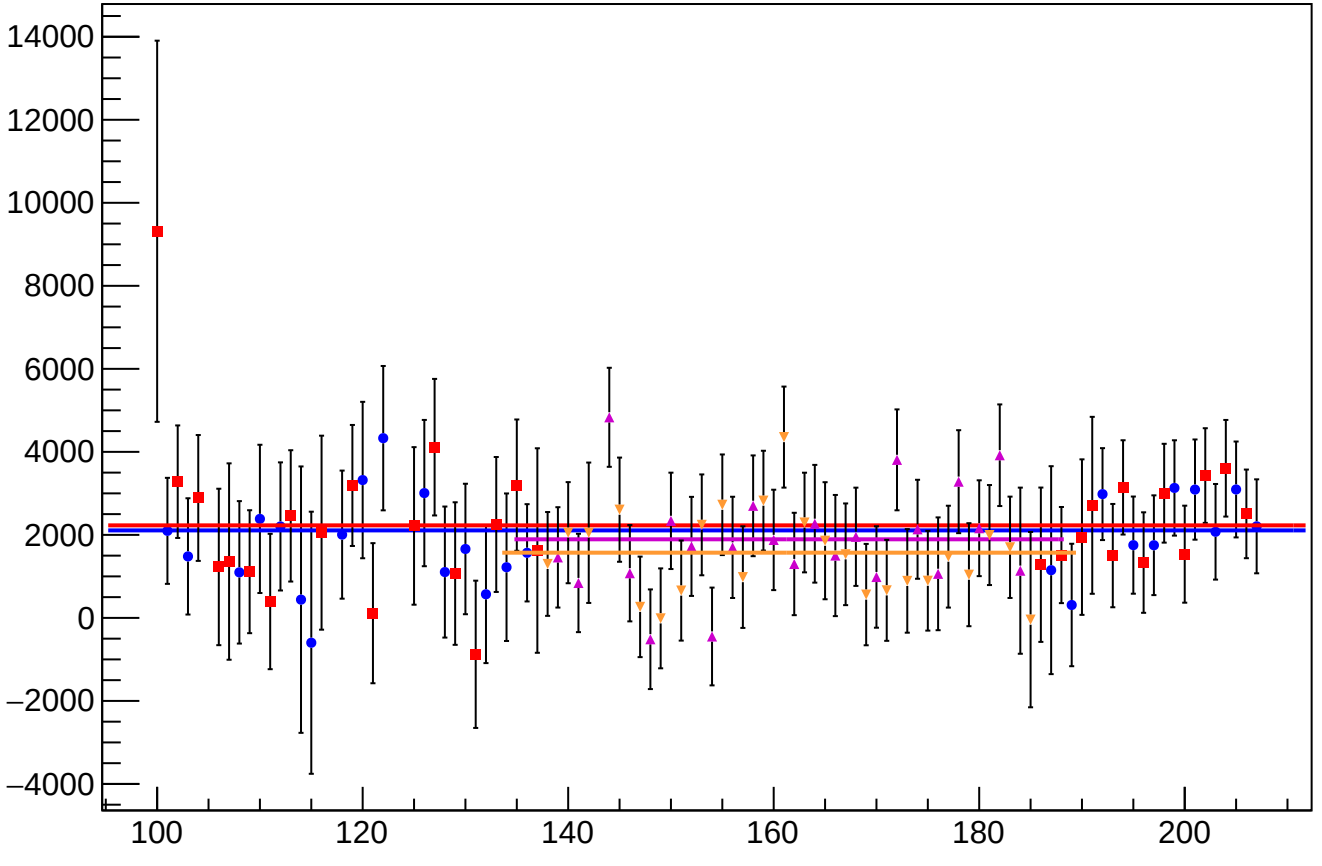
Right: 955.777+/-0.127 χ^2/NDF: 5476930.6/55

In: 1111.359+/-0.144 χ^2/NDF:6540352.8/48

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

All: 1132.352+/-0.103 χ^2/NDF: 13147500.1/1

cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2107.973+/-282.293 χ^2/NDF: 10.3/25

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

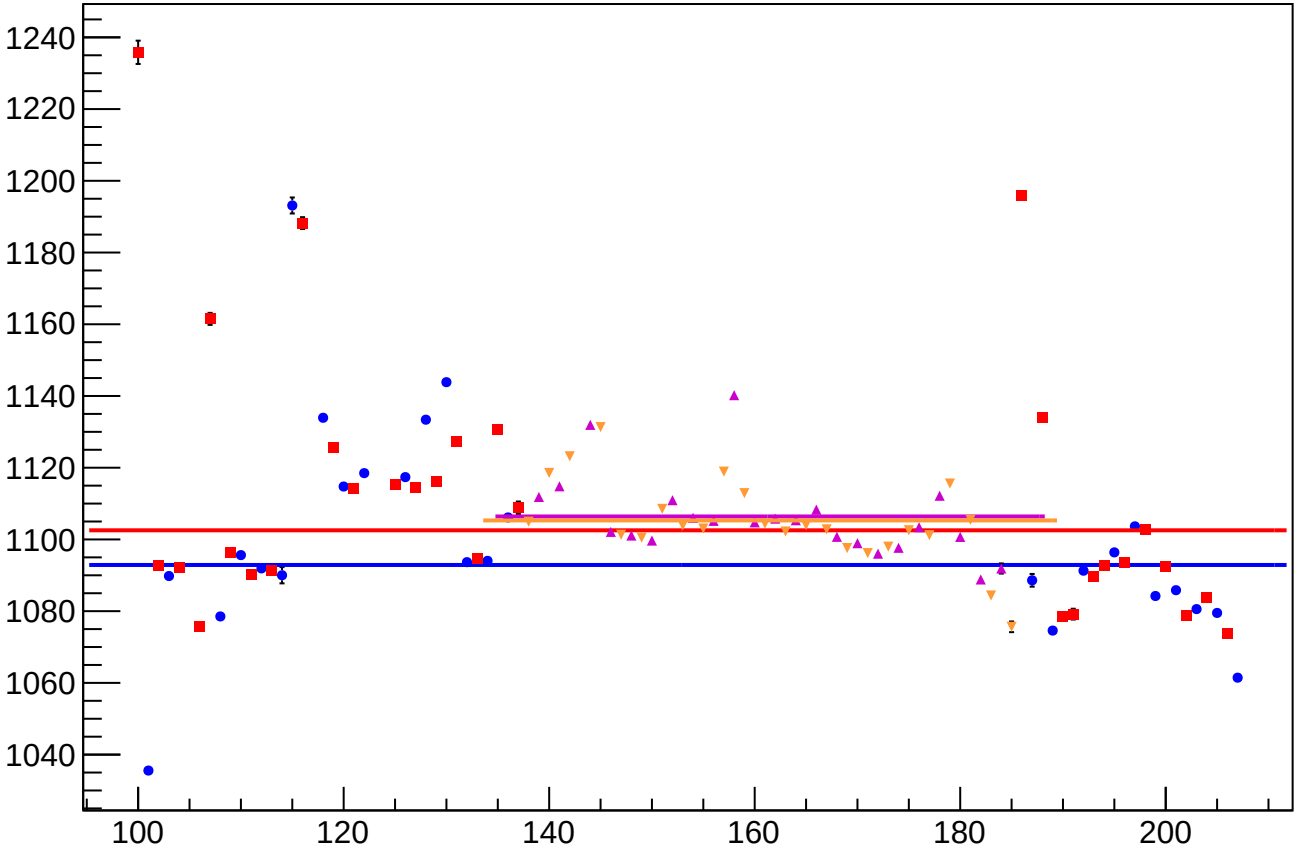
Right: 2170.659+/-196.170 χ^2/NDF: 28.8/55

In: 1991.169+/-190.580 χ^2/NDF:34.7/48

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

All: 1934.456+/-133.435 χ^2/NDF: 71.7/102

cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.881+/-0.200 χ^2/NDF: 15101.4/25

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

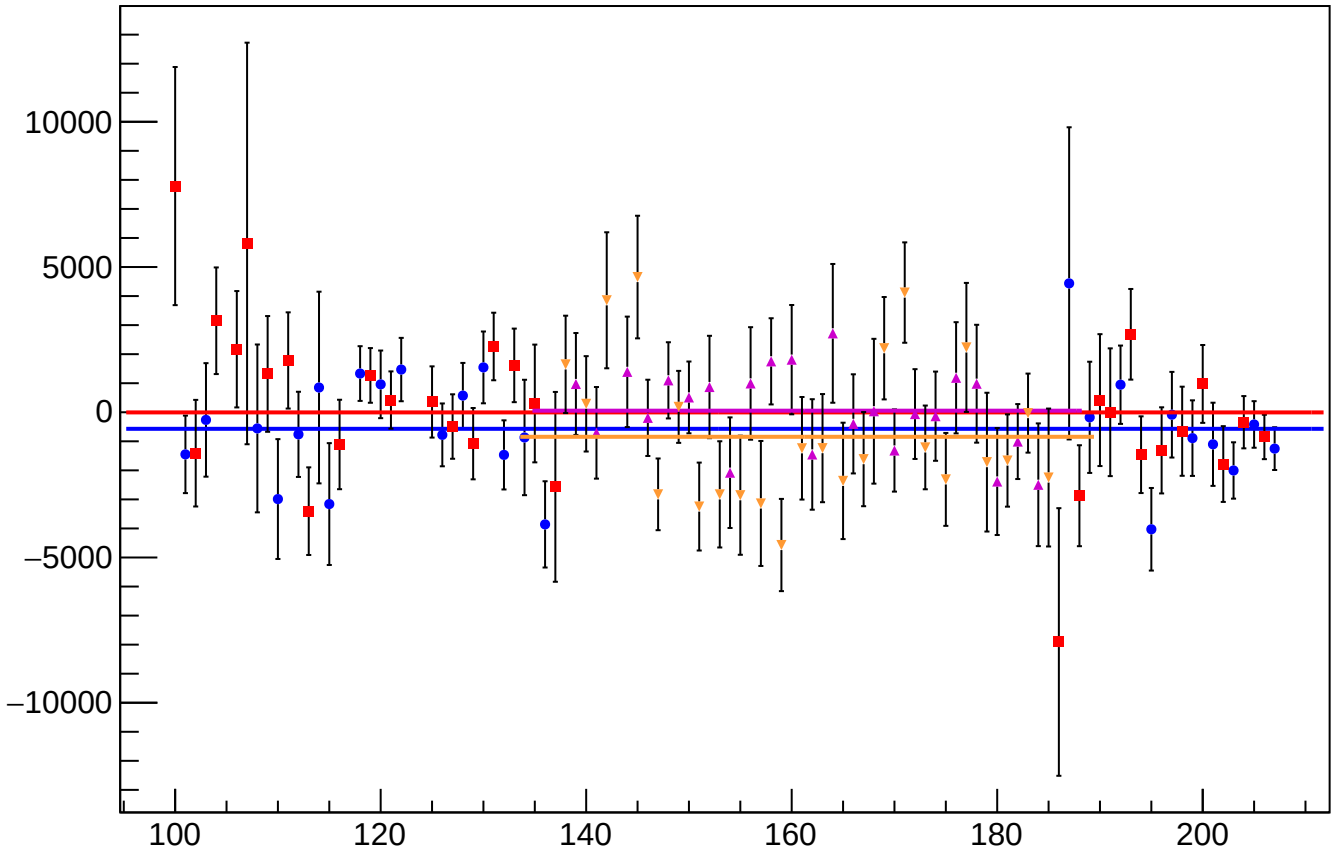
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1097.876+/-0.139 χ^2/NDF: 35344.2/55

In: 1100.241+/-0.135 χ^2/NDF:21375.9/48

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

All: 1102.159+/-0.094 χ^2/NDF: 44074.6/102



Right In: -570.057+/-252.072 χ^2/NDF: 33.8/25

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

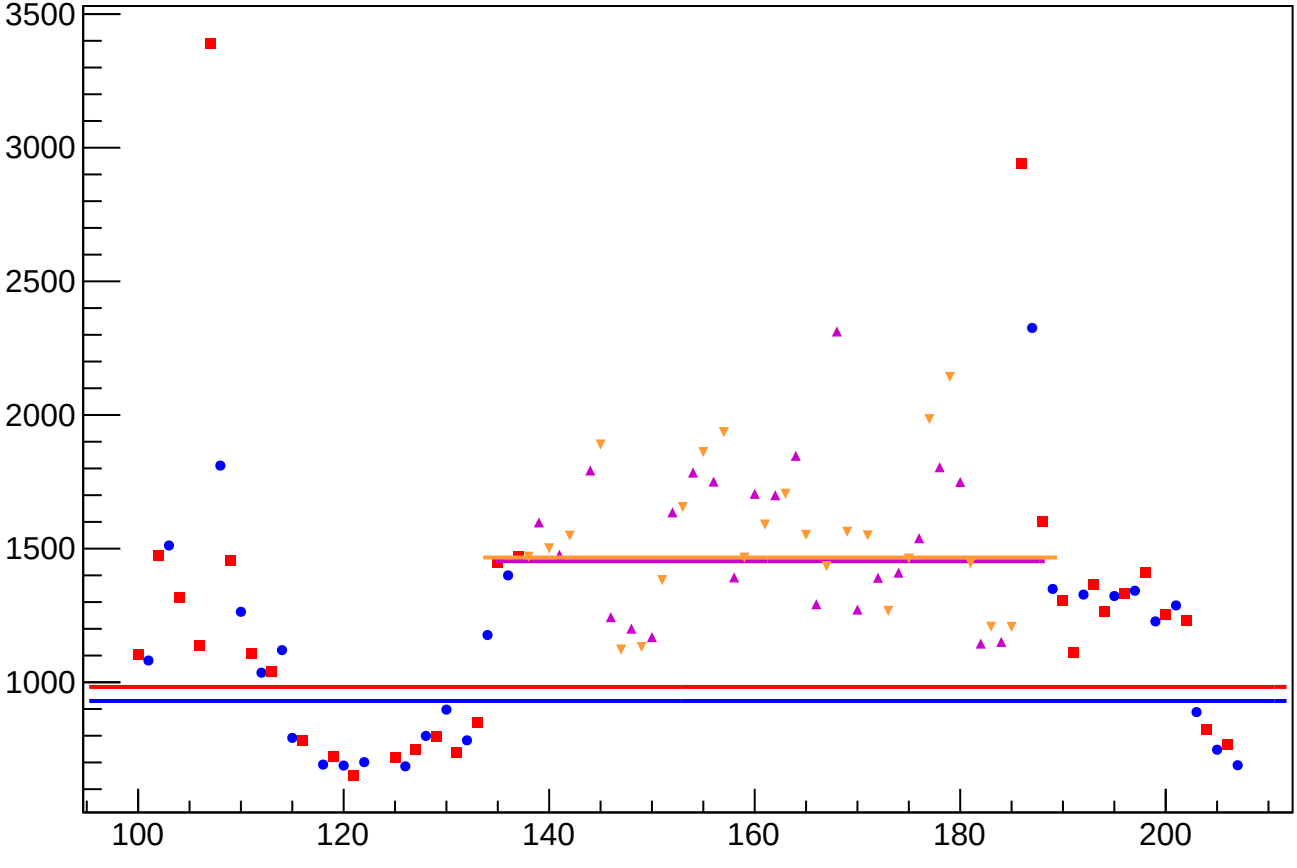
Right: -293.112+/-179.976 χ^2/NDF: 76.3/55

In: -353.527+/-203.730 χ^2/NDF:49.0/48

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

All: -328.224+/-145.071 χ^2/NDF: 137.0/102

asym_usl_cor_correction_rms vs Slug, Sign Corrected



Right In: 929.999+/-0.178 χ^2/NDF: 2425336.9/25

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

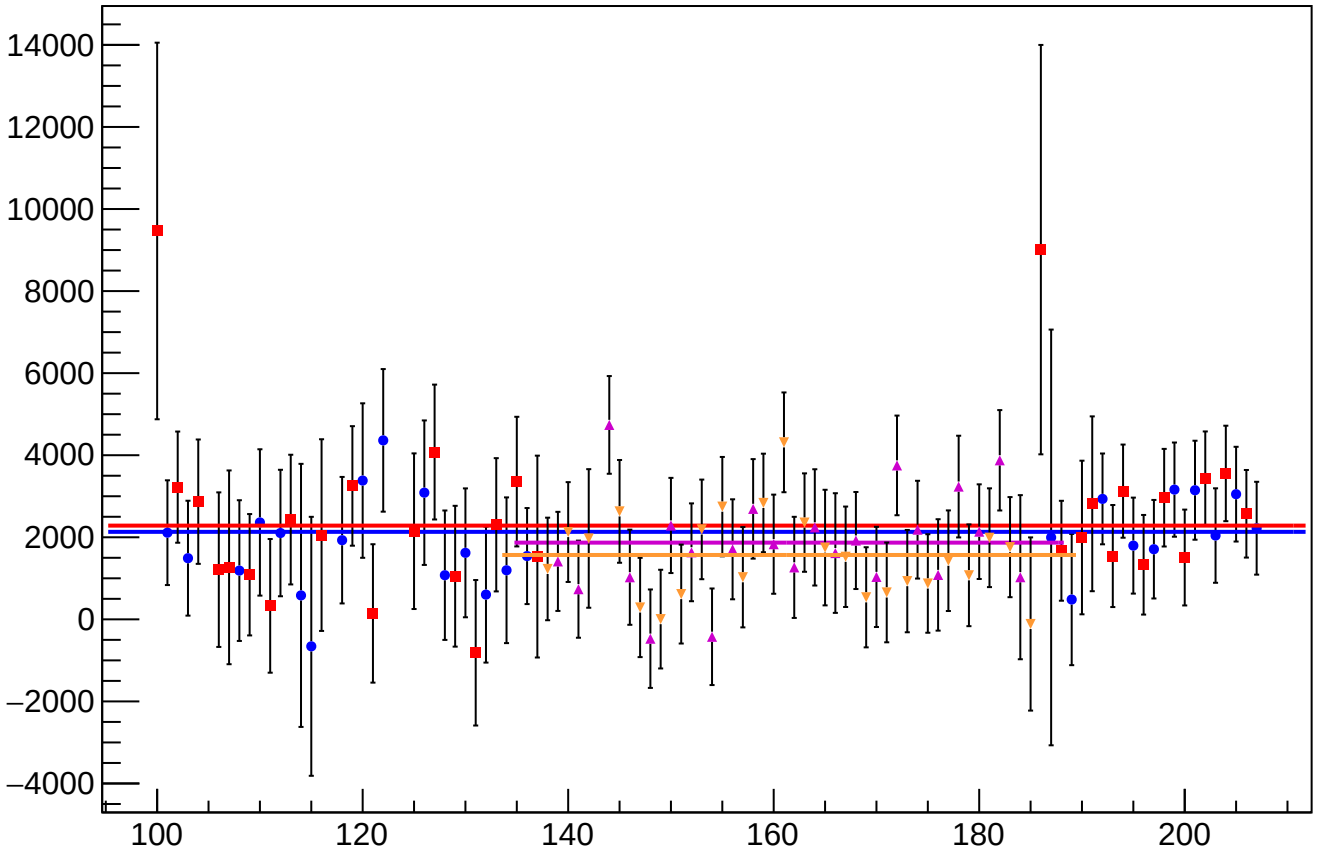
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 955.777+/-0.127 χ^2/NDF: 5476929.1/55

In: 1111.359+/-0.144 χ^2/NDF:6540352.8/48

Out: 1153.946+/-0.146 χ^2/NDF:6564066.8/53

All: 1132.352+/-0.103 χ^2/NDF: 13147500.3/1



Right In: 2132.495+/-284.249 χ^2/NDF: 9.8/25

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

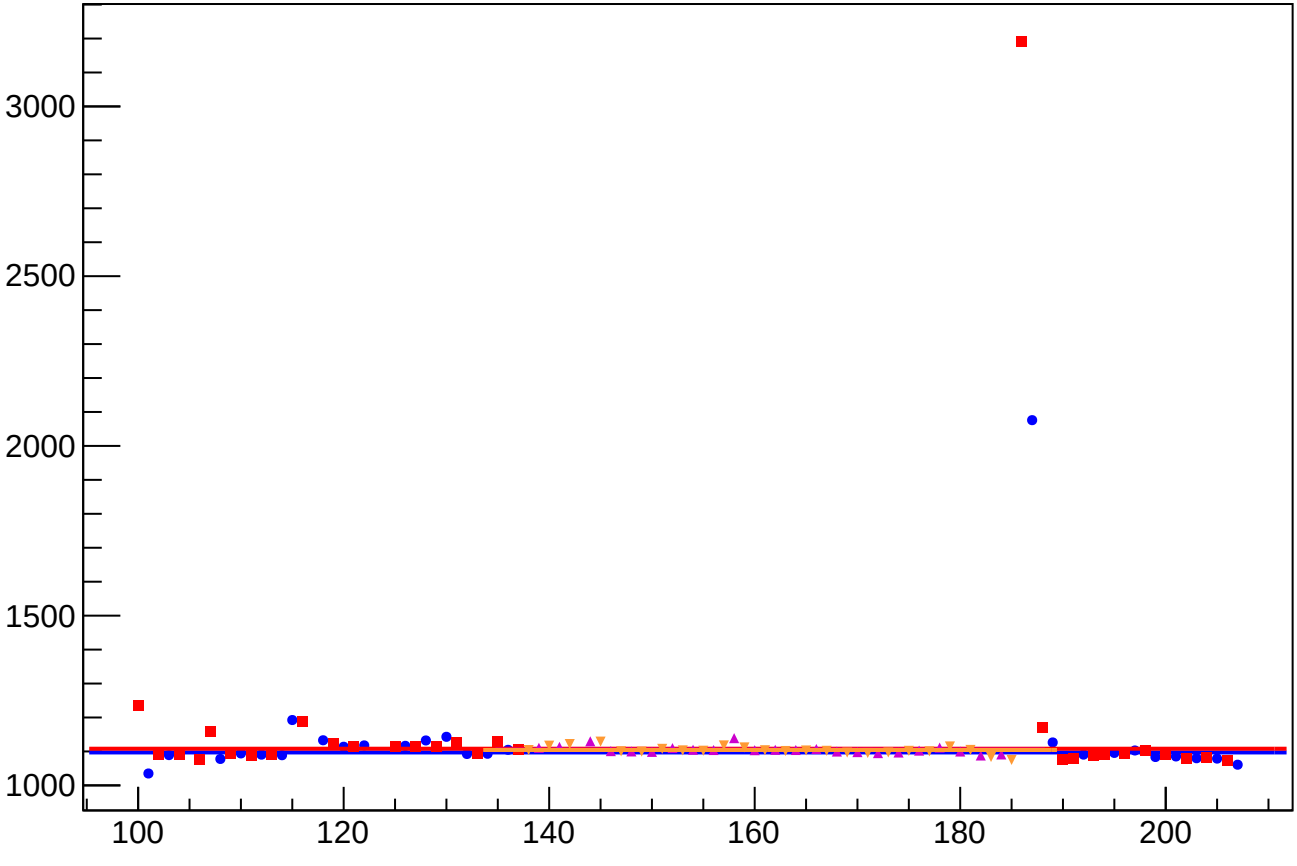
Right: 2210.687+/-198.004 χ^2/NDF: 29.8/55

In: 1988.260+/-191.081 χ^2/NDF:33.7/48

Out: 1900.167+/-187.800 χ^2/NDF:38.8/53

All: 1943.450+/-133.940 χ^2/NDF: 72.6/102

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1097.016+/-0.201 χ^2/NDF: 90416.8/25

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

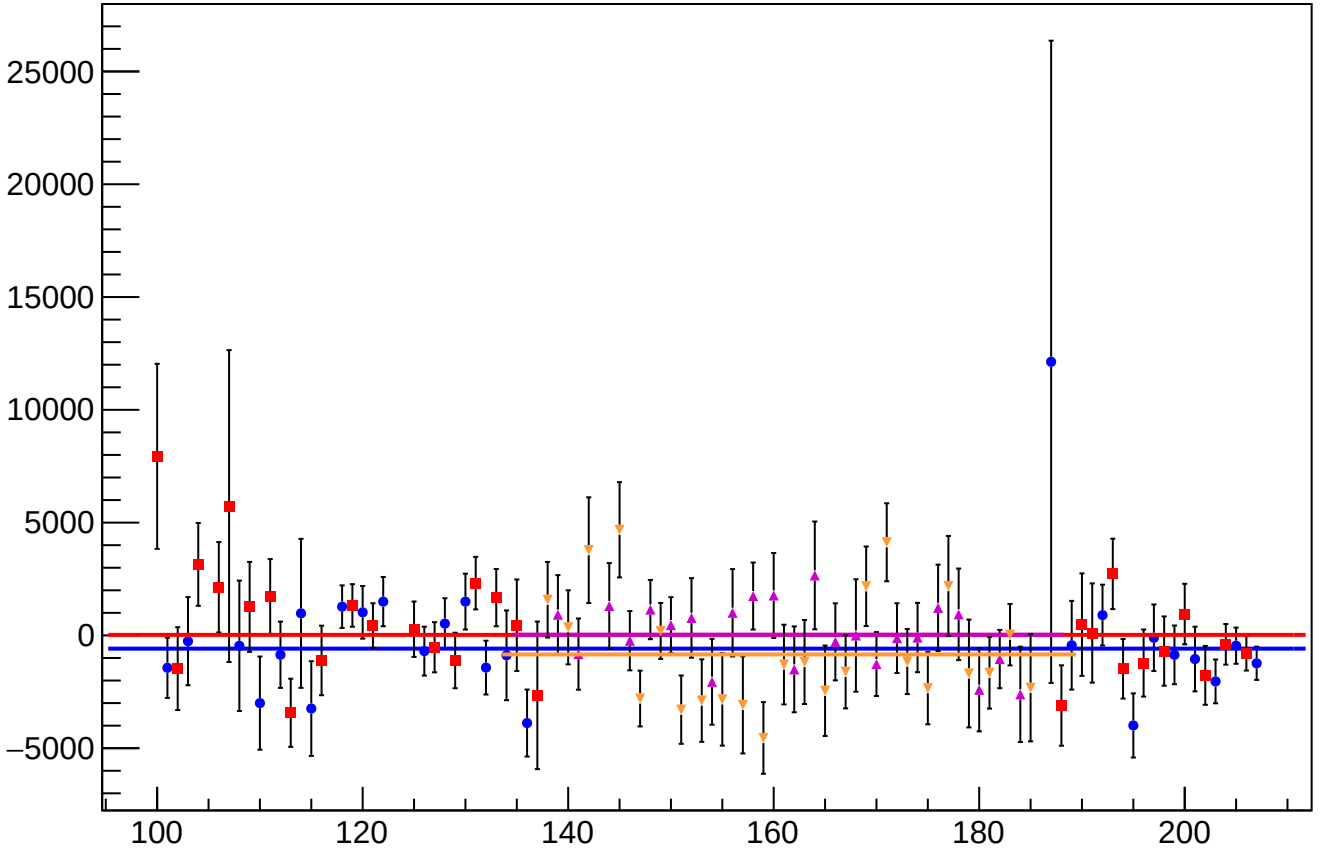
Right: 1102.681+/-0.140 χ^2/NDF: 460400.0/55

In: 1101.601+/-0.135 χ^2/NDF:95027.1/48

Out: 1106.000+/-0.133 χ^2/NDF:371639.1/53

All: 1103.839+/-0.095 χ^2/NDF: 467205.5/102

asym_usl_overload_cor_correction_mean vs Slug, Sign Corrected



Right In: -585.983+/-252.730 χ^2/NDF: 33.4/25

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

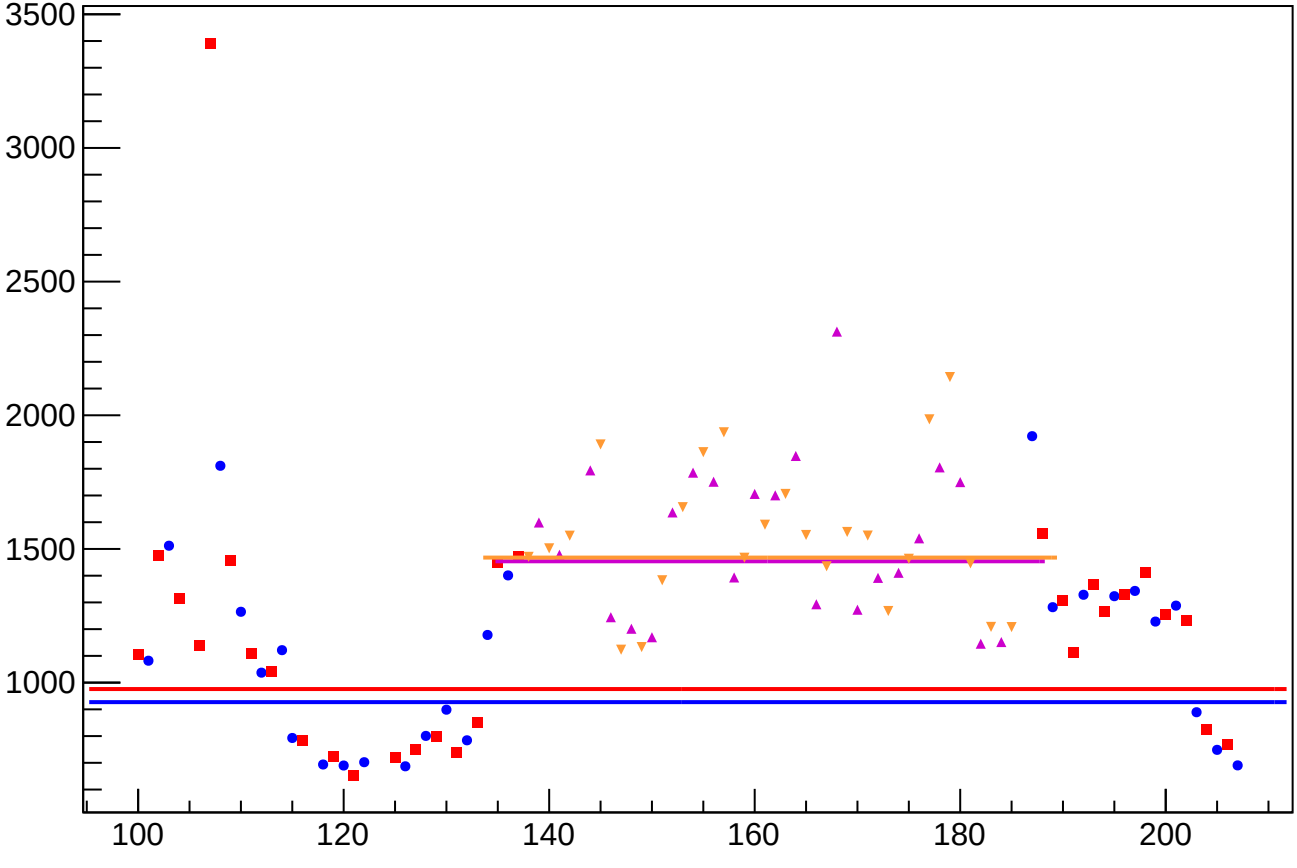
Right: -286.756+/-180.507 χ^2/NDF: 74.1/54

In: -371.319+/-204.116 χ^2/NDF:48.5/48

Out: -283.449+/-207.105 χ^2/NDF:85.9/52

All: -328.022+/-145.377 χ^2/NDF: 134.6/101

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 927.000+/-0.179 χ^2/NDF: 2260233.9/25

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

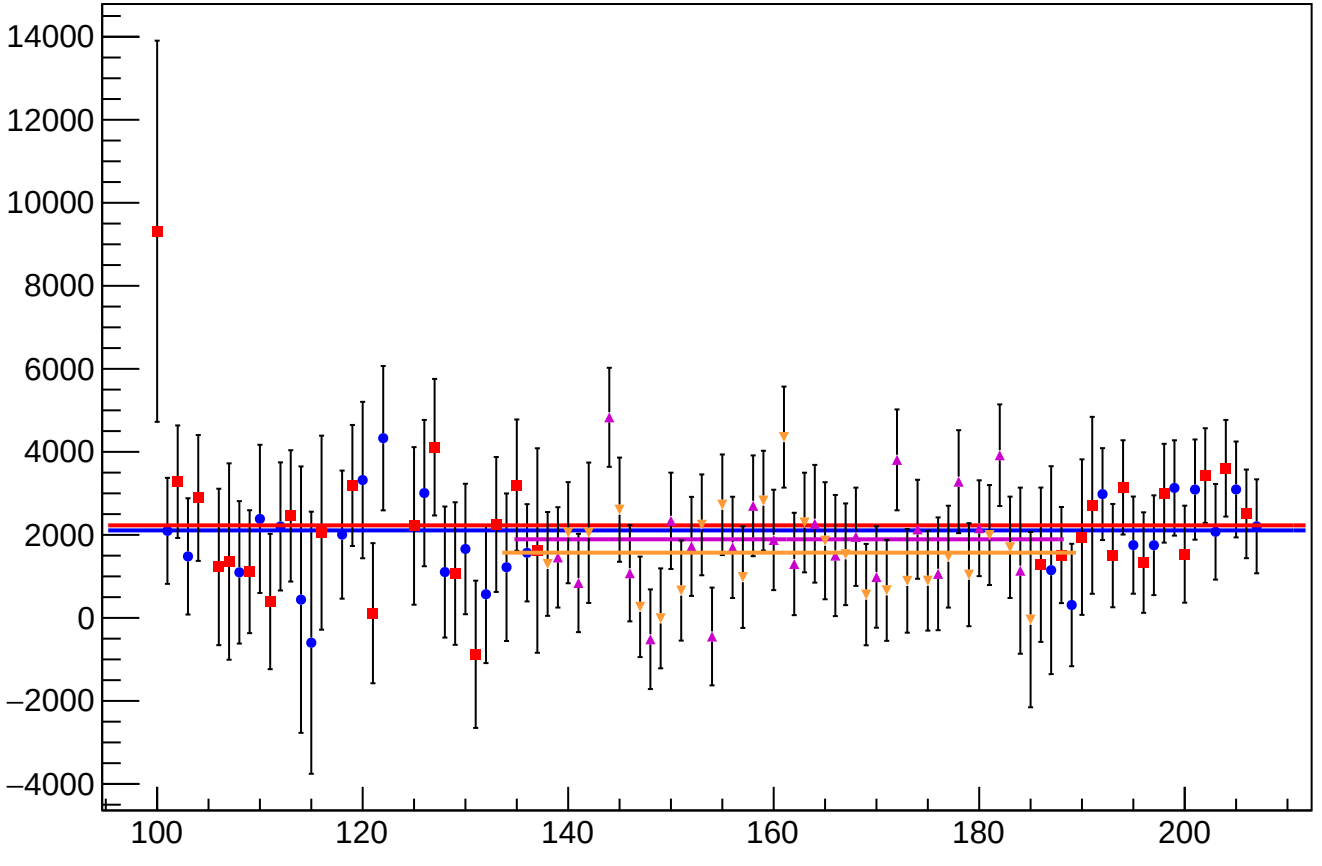
Right: 950.977+/-0.128 χ^2/NDF: 4886659.0/54

In: 1110.184+/-0.144 χ^2/NDF:6410119.6/48

Out: 1150.575+/-0.146 χ^2/NDF:6213803.5/52

All: 1130.086+/-0.103 χ^2/NDF: 12662512.5/1

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



Right In: 2107.973+/-282.293 χ^2/NDF: 10.3/25

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

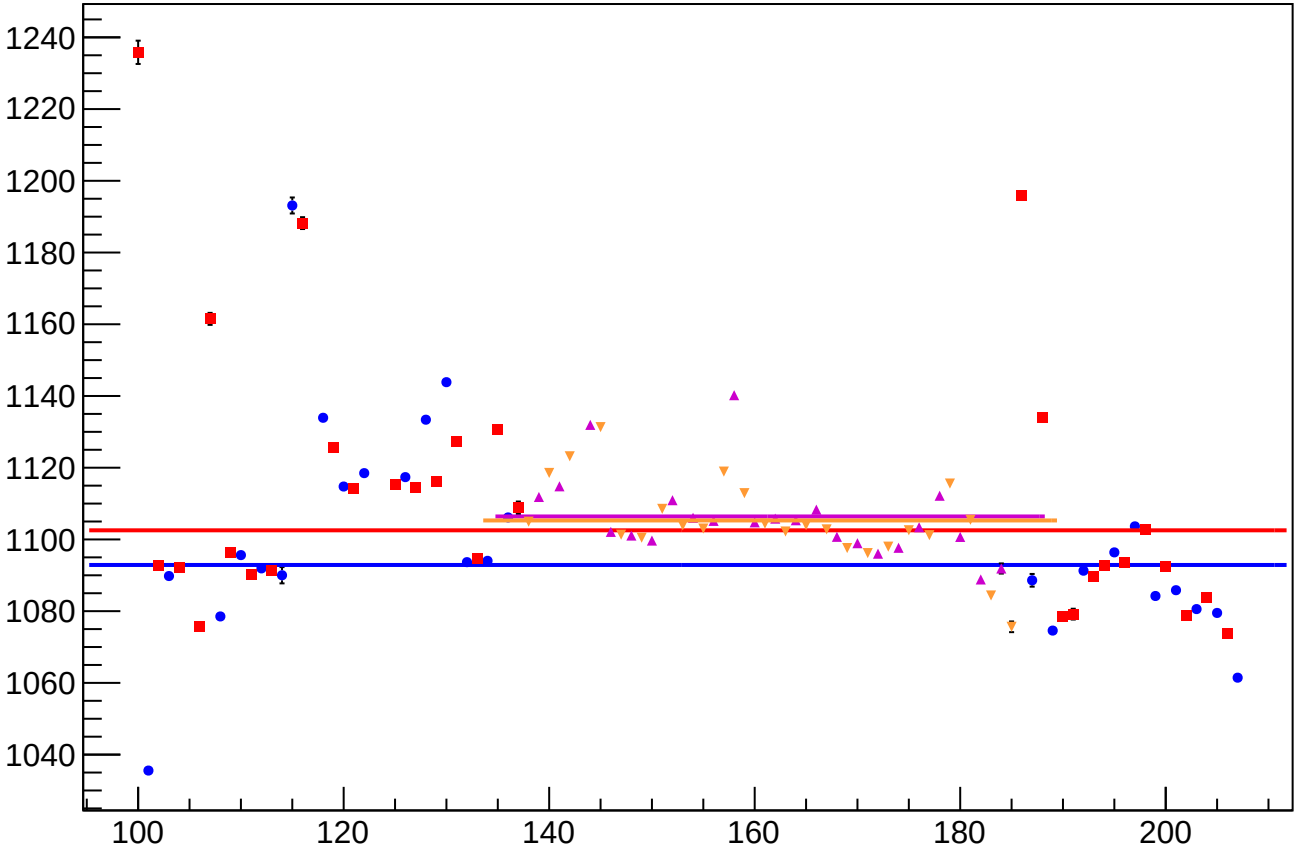
Right: 2170.659+/-196.170 χ^2/NDF: 28.8/55

In: 1991.169+/-190.580 χ^2/NDF:34.7/48

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

All: 1934.456+/-133.435 χ^2/NDF: 71.7/102

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1092.881+/-0.200 χ^2/NDF: 15101.4/25

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

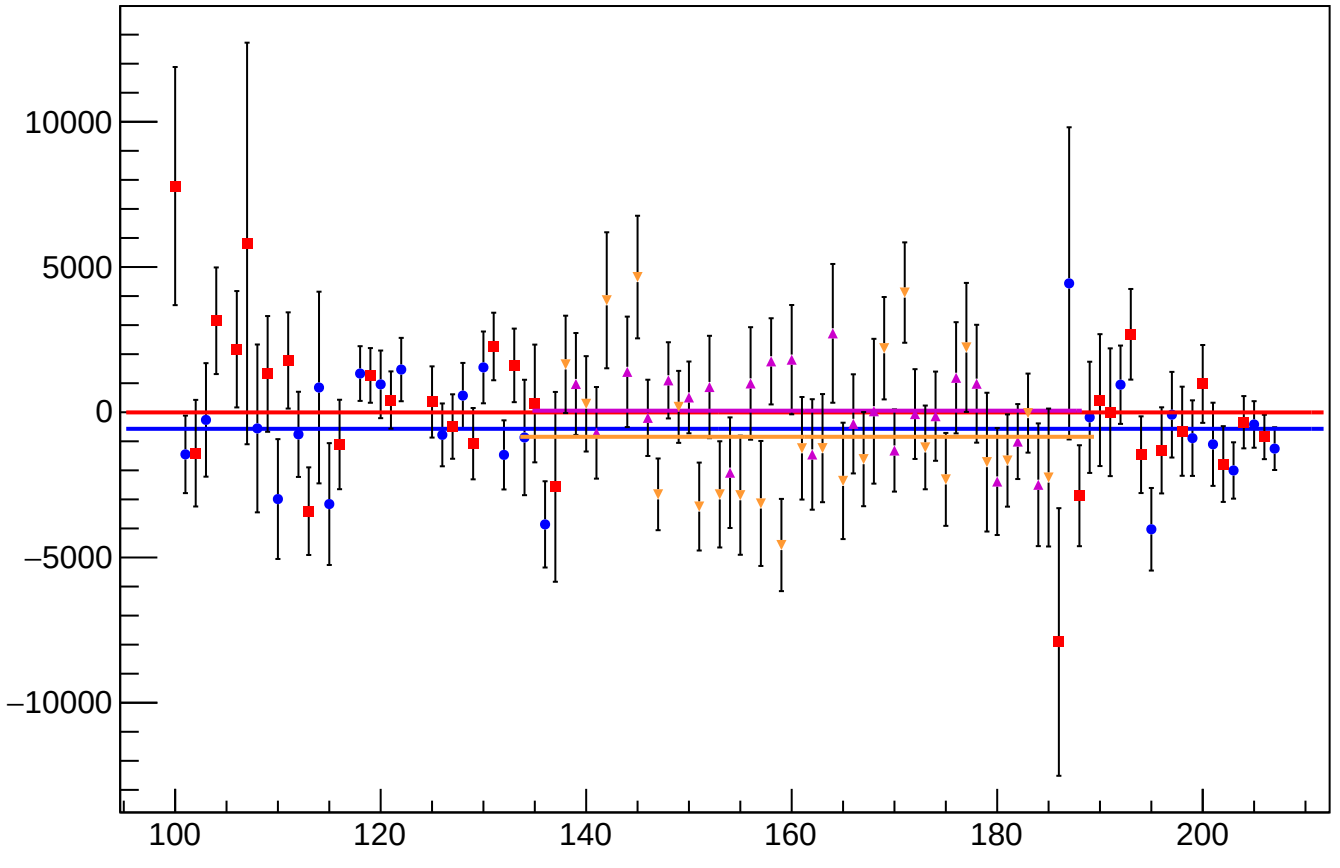
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1097.876+/-0.139 χ^2/NDF: 35344.2/55

In: 1100.241+/-0.135 χ^2/NDF:21375.9/48

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

All: 1102.159+/-0.094 χ^2/NDF: 44074.6/102



Right In: -570.057+/-252.072 χ^2/NDF: 33.8/25

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

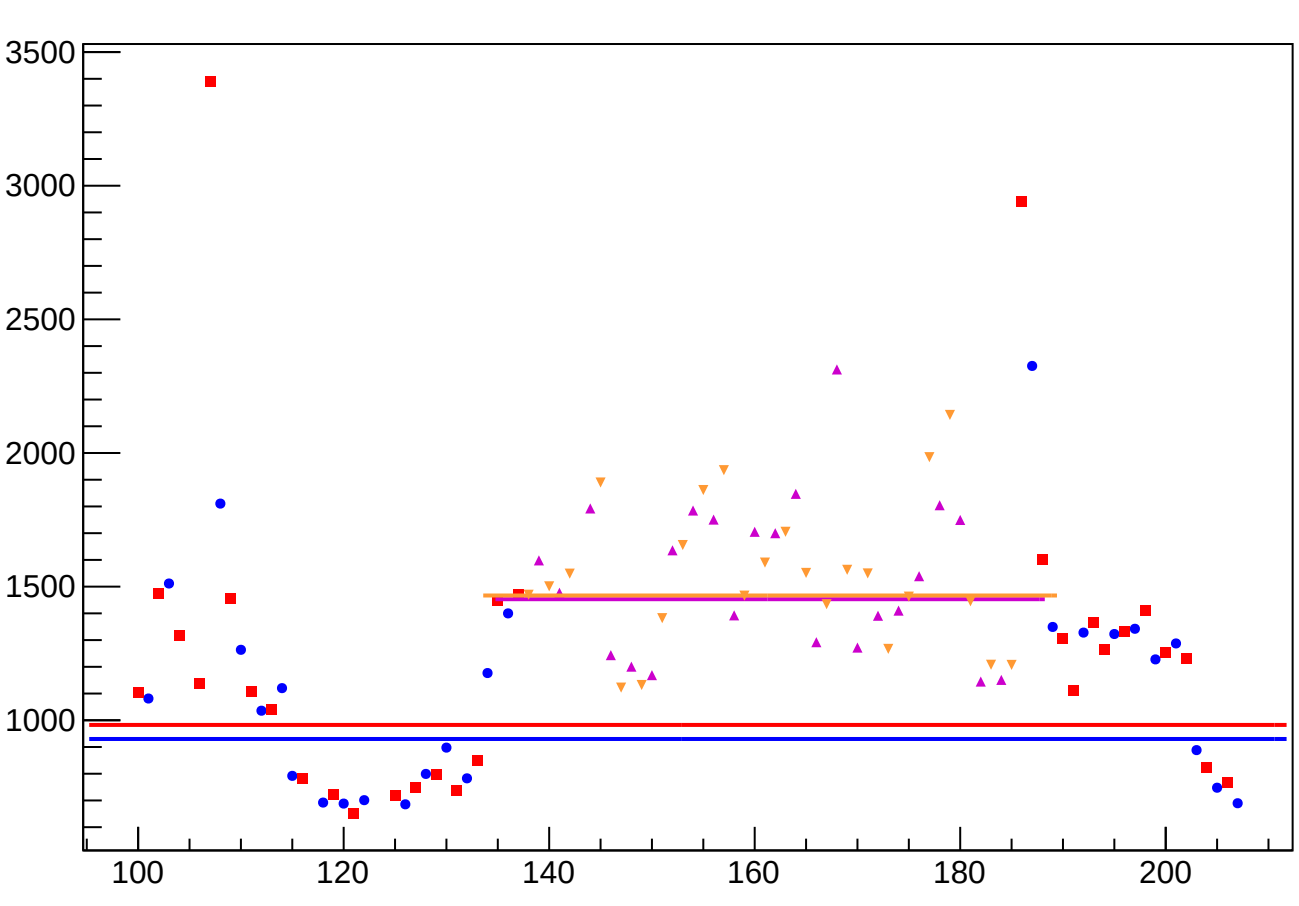
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -293.112+/-179.976 χ^2/NDF: 76.3/55

In: -353.527+/-203.730 χ^2/NDF:49.0/48

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

All: -328.224+/-145.071 χ^2/NDF: 137.0/102



Right In: 929.999+/-0.178 χ^2/NDF: 2425336.9/25

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

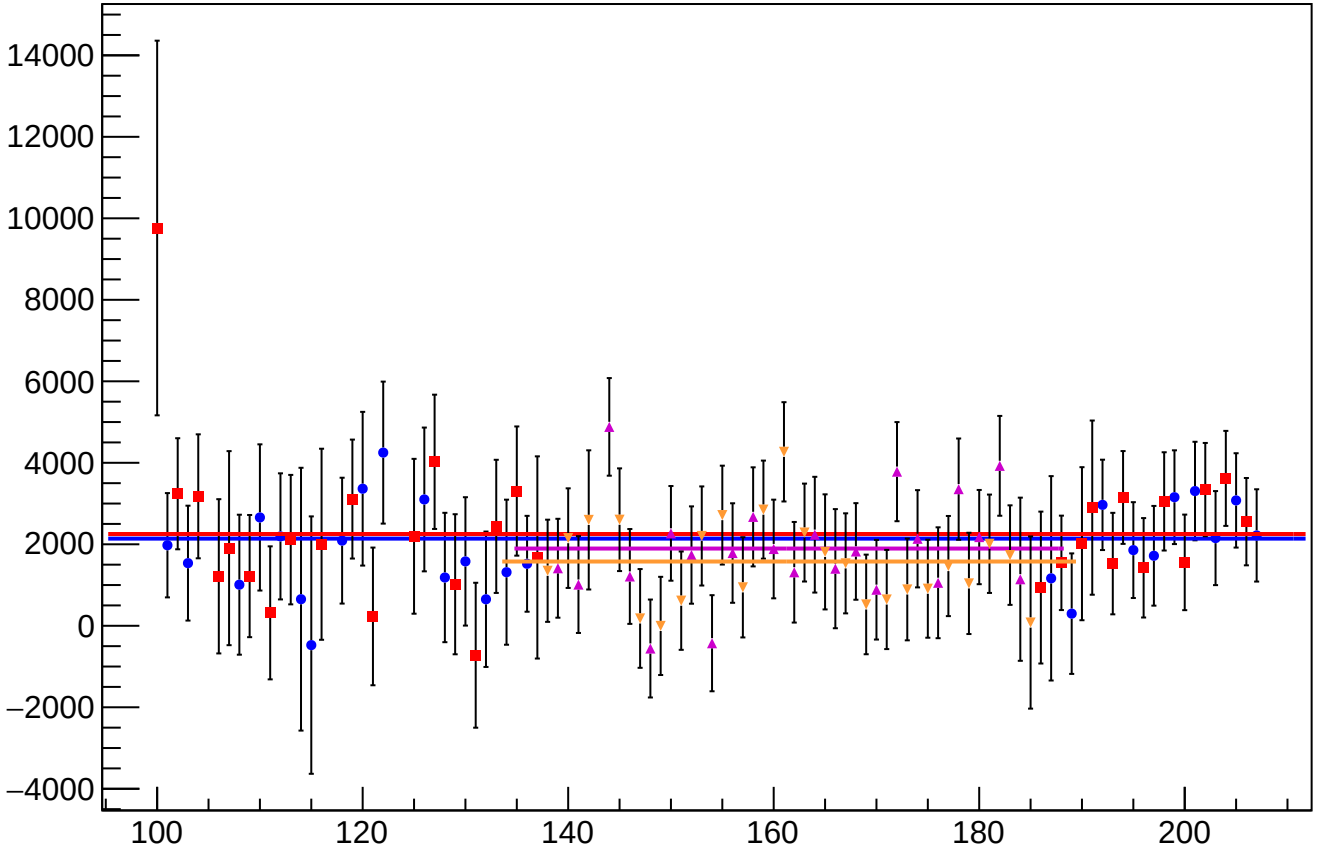
Right: 955.777+/-0.127 χ^2/NDF: 5476929.1/55

In: 1111.359+/-0.144 χ^2/NDF:6540352.8/48

Out: 1153.946+/-0.146 χ^2/NDF:6564066.8/53

All: 1132.352+/-0.103 χ^2/NDF: 13147500.3/1

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2139.319+/-283.237 χ^2/NDF: 10.4/25

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

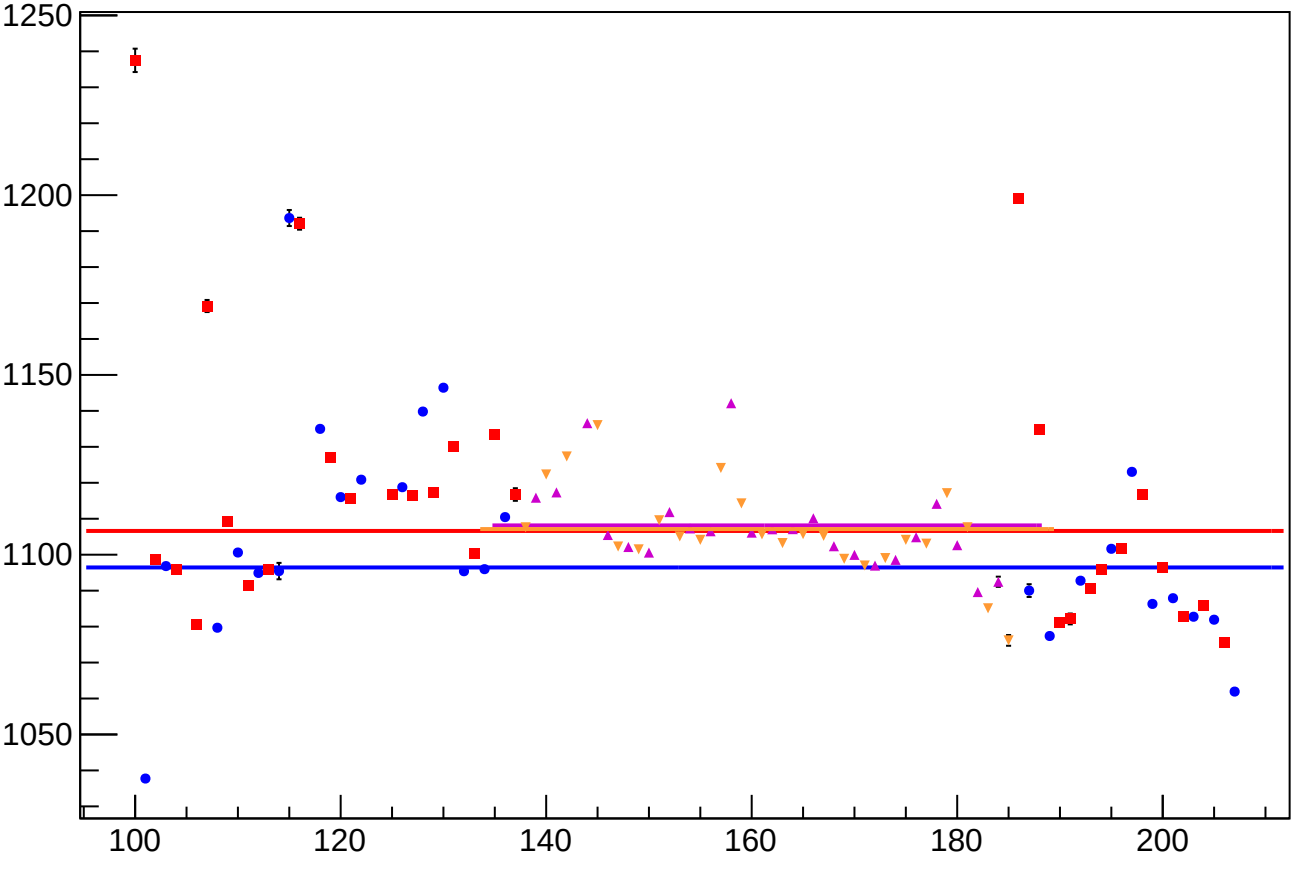
Right: 2197.710+/-196.879 χ^2/NDF: 28.6/55

In: 2006.442+/-191.035 χ^2/NDF:34.9/48

Out: 1893.443+/-187.404 χ^2/NDF:36.9/53

All: 1948.859+/-133.780 χ^2/NDF: 71.9/102

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.452+/-0.200 χ^2/NDF: 16332.9/25

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

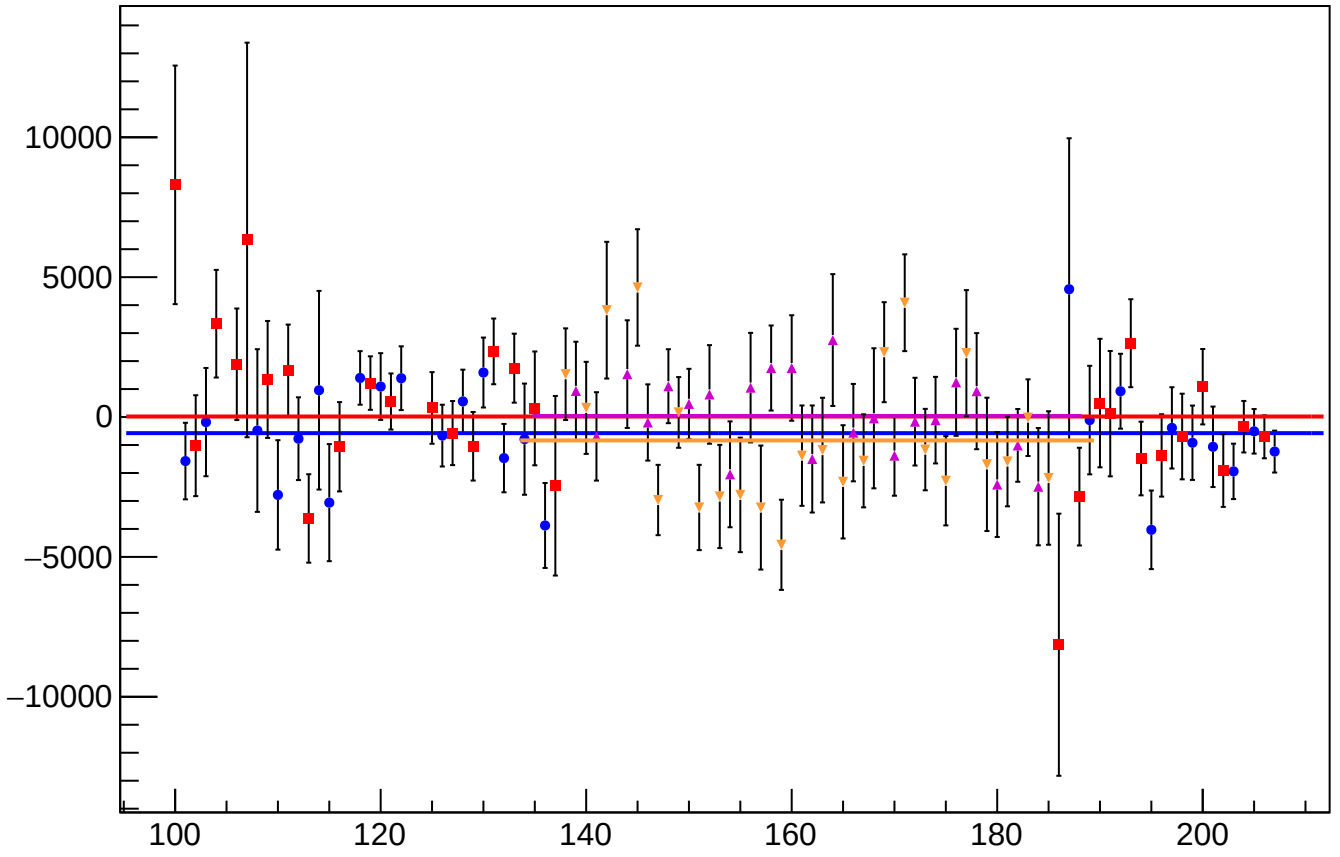
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1101.700+/-0.139 χ^2/NDF: 36527.2/55

In: 1102.826+/-0.135 χ^2/NDF:22381.6/48

Out: 1106.883+/-0.133 χ^2/NDF:22653.2/53

All: 1104.894+/-0.095 χ^2/NDF: 45494.5/102



Right In: -575.969+/-255.078 χ^2/NDF: 33.1/25

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

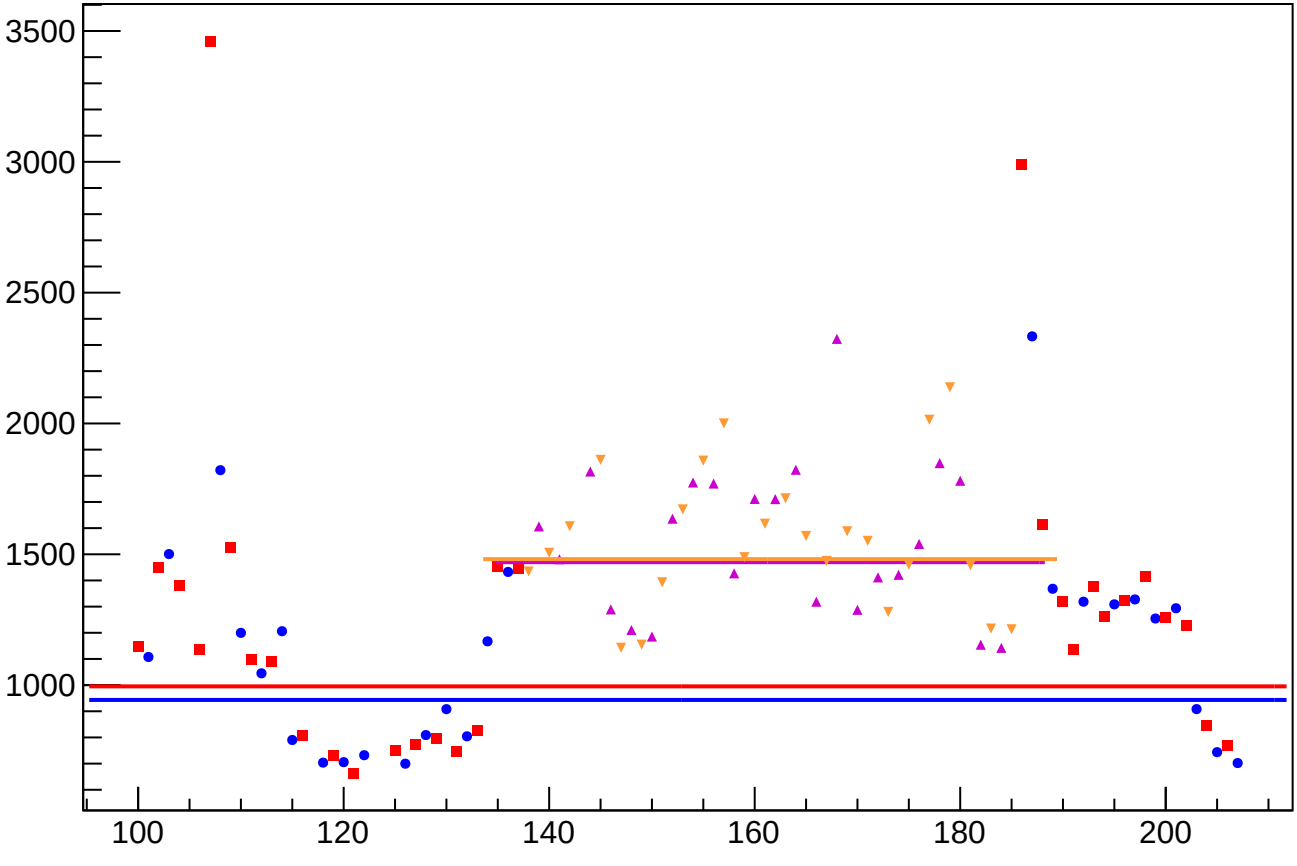
Right: -283.950+/-182.076 χ^2/NDF: 75.9/55

In: -363.560+/-206.067 χ^2/NDF:48.2/48

Out: -283.812+/-208.834 χ^2/NDF:87.6/53

All: -324.218+/-146.680 χ^2/NDF: 135.9/102

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 943.365+/-0.180 χ^2/NDF: 2326912.5/25

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

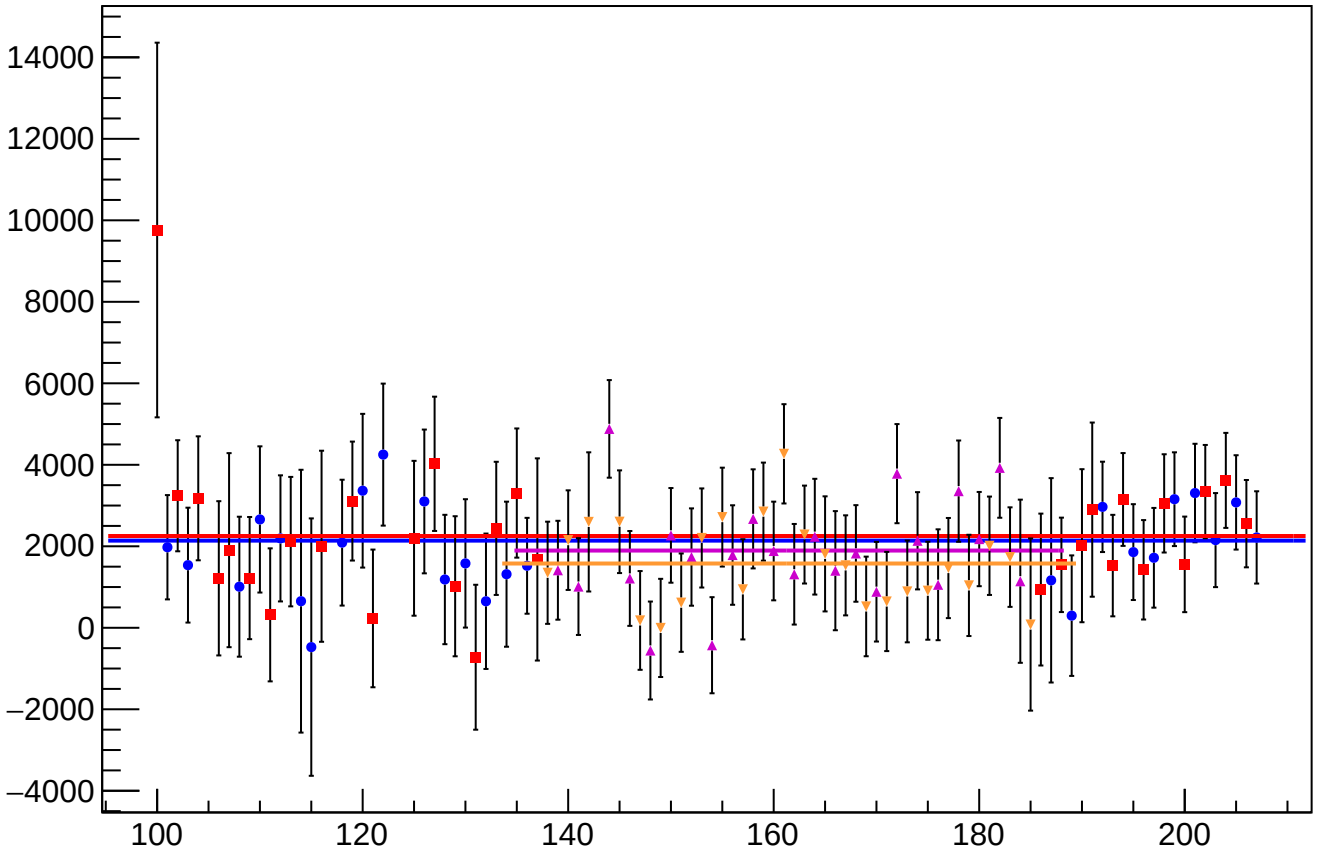
Left: 1475.709+/-0.175 χ^2/NDF: 2113624.9/46

Right: 968.816+/-0.129 χ^2/NDF: 5321518.1/55

In: 1126.267+/-0.146 χ^2/NDF:6382265.1/48

Out: 1167.772+/-0.148 χ^2/NDF:6453905.2/53

All: 1146.743+/-0.104 χ^2/NDF: 12876197.5/1



Right In: 2139.319+/-283.237 χ^2/NDF: 10.4/25

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

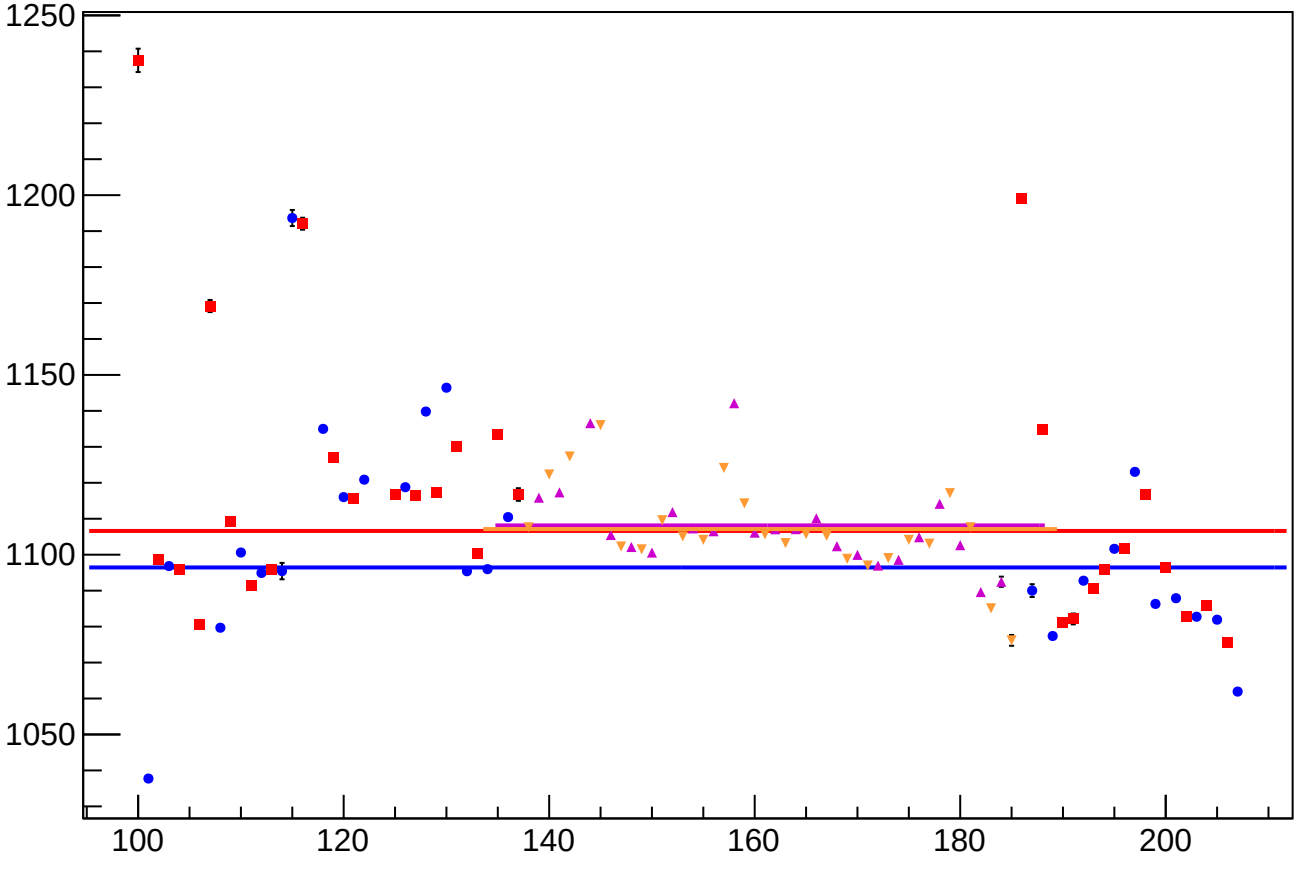
Right: 2197.709+/-196.879 χ^2/NDF: 28.6/55

In: 2006.443+/-191.035 χ^2/NDF:34.9/48

Out: 1893.441+/-187.404 χ^2/NDF:36.9/53

All: 1948.858+/-133.780 χ^2/NDF: 71.9/102

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1096.452+/-0.200 χ^2/NDF: 16332.9/25

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

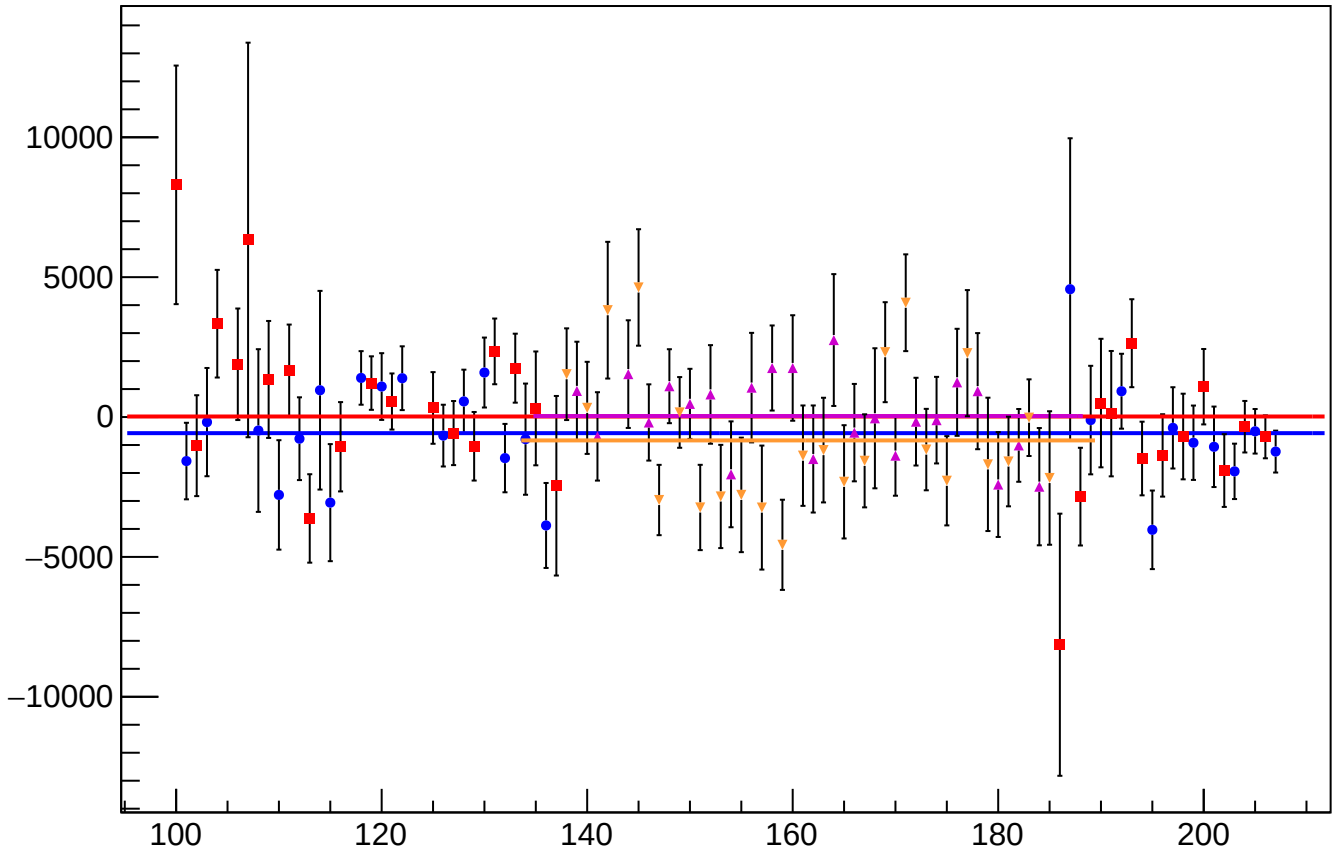
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1101.700+/-0.139 χ^2/NDF: 36527.2/55

In: 1102.826+/-0.135 χ^2/NDF:22381.6/48

Out: 1106.883+/-0.133 χ^2/NDF:22653.1/53

All: 1104.893+/-0.095 χ^2/NDF: 45494.4/102



Right In: -575.966+/-255.078 χ^2/NDF: 33.1/25

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

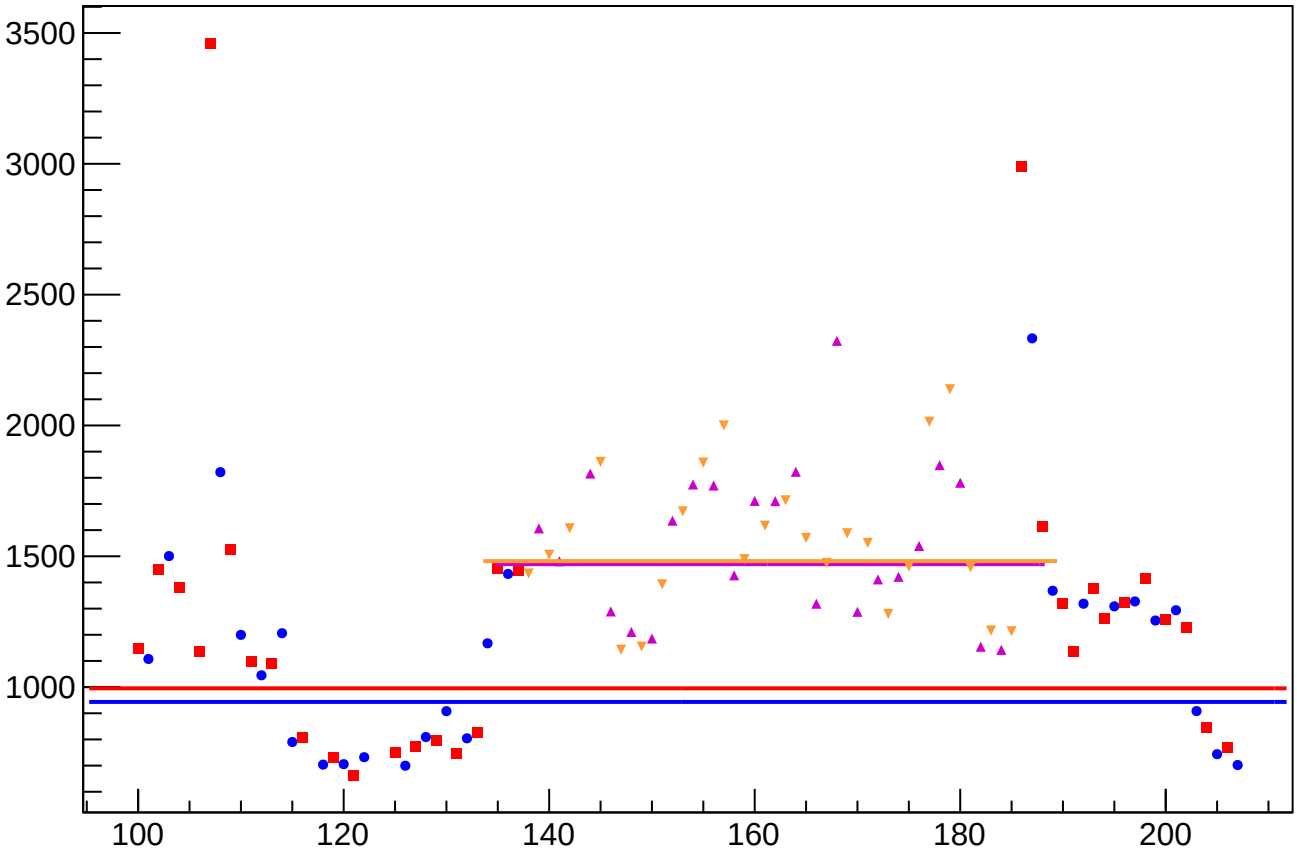
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: -283.948+/-182.076 χ^2/NDF: 75.9/55

In: -363.559+/-206.067 χ^2/NDF:48.2/48

Out: -283.811+/-208.833 χ^2/NDF:87.6/53

All: -324.217+/-146.680 χ^2/NDF: 135.9/102



Right In: 943.364+/-0.180 χ^2/NDF: 2326917.1/25

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

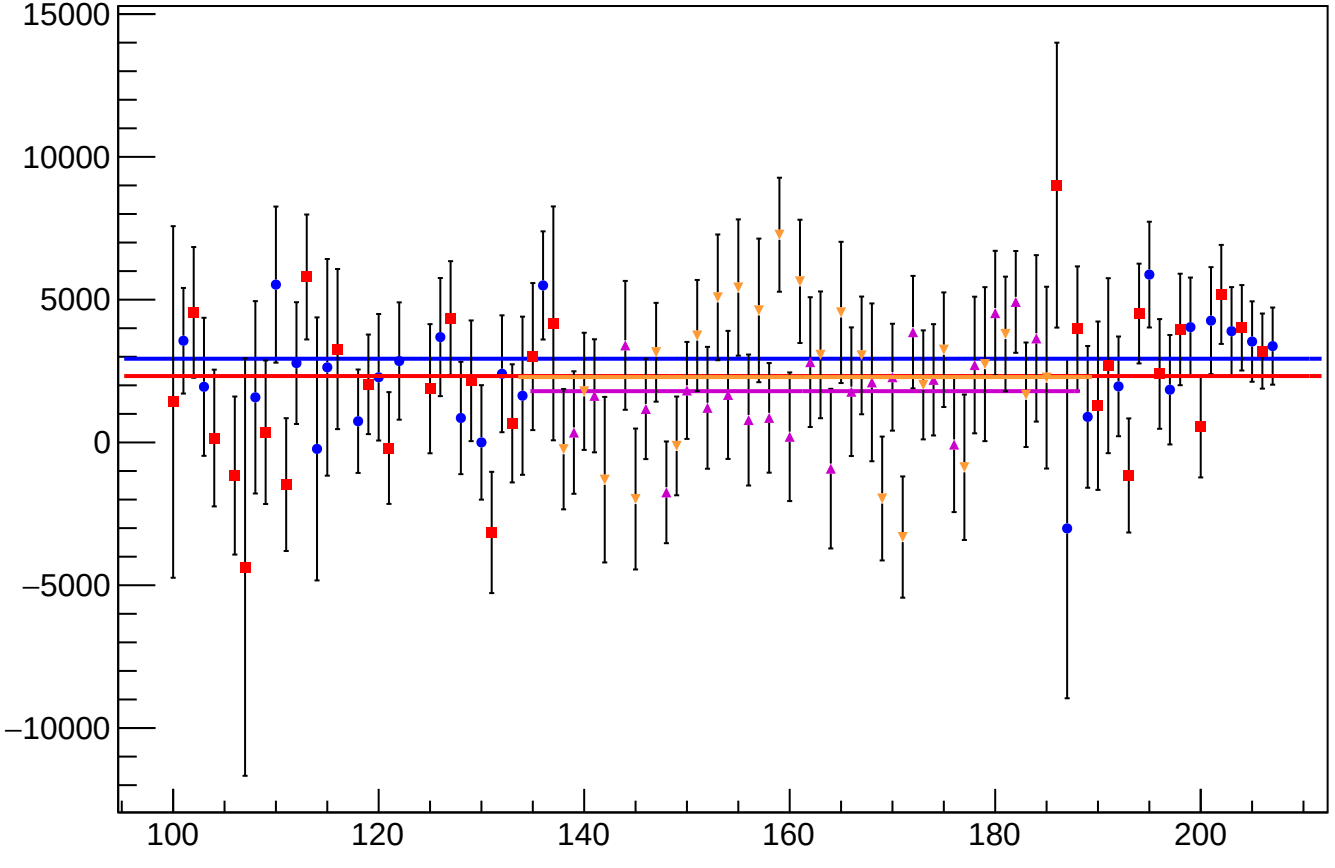
Right: 968.814+/-0.129 χ^2/NDF: 5321531.6/55

In: 1126.266+/-0.146 χ^2/NDF:6382290.1/48

Out: 1167.771+/-0.148 χ^2/NDF:6453938.6/53

All: 1146.742+/-0.104 χ^2/NDF: 12876255.5/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 2931.900+/-397.474 χ^2/NDF: 15.3/25

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

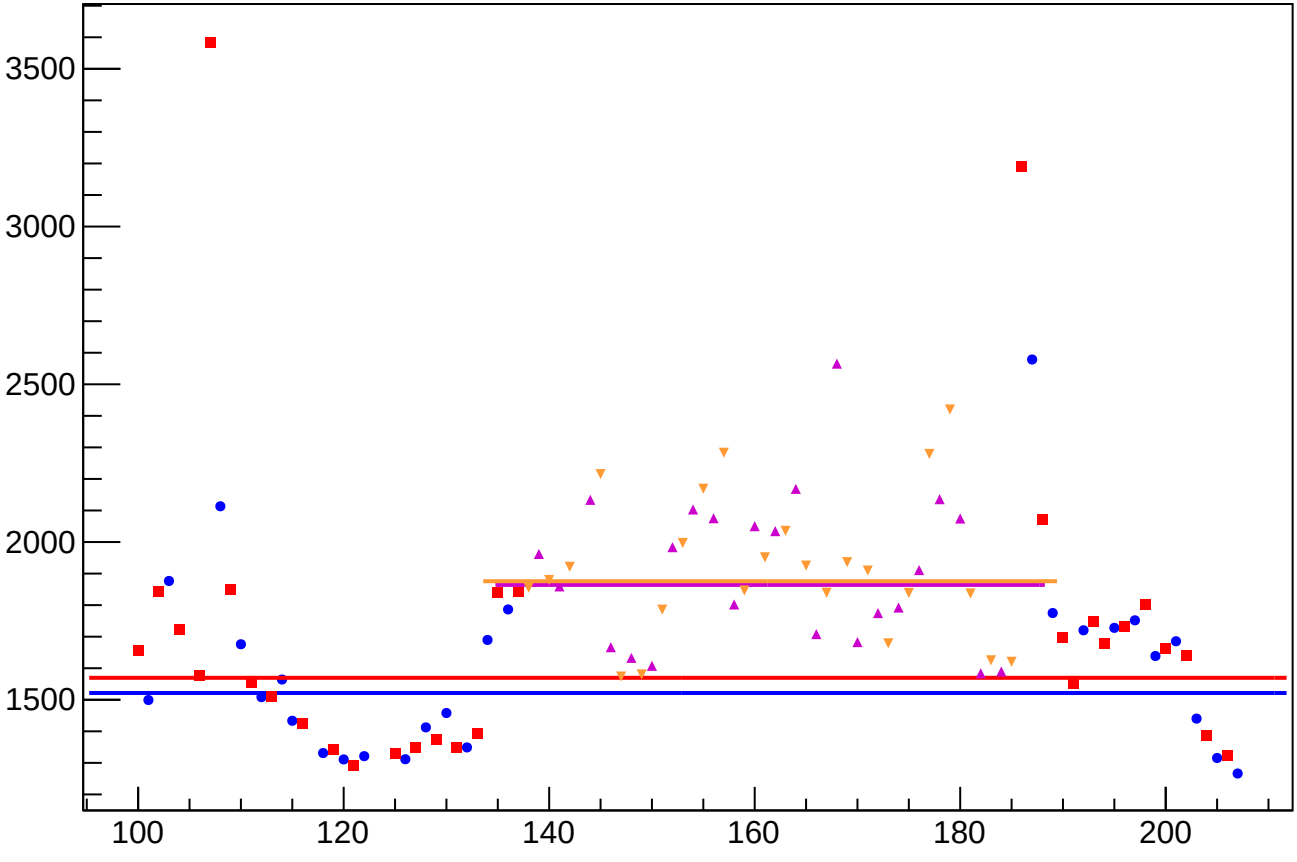
Right: 2626.940+/-280.203 χ^2/NDF: 50.2/55

In: 2420.523+/-294.690 χ^2/NDF:33.2/48

Out: 2309.582+/-293.761 χ^2/NDF:69.7/53

All: 2364.878+/-208.048 χ^2/NDF: 103.0/102

asym_usl_rms vs Slug, Sign Corrected



Right In: 1521.530+/-0.281 χ^2/NDF: 569537.4/25

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

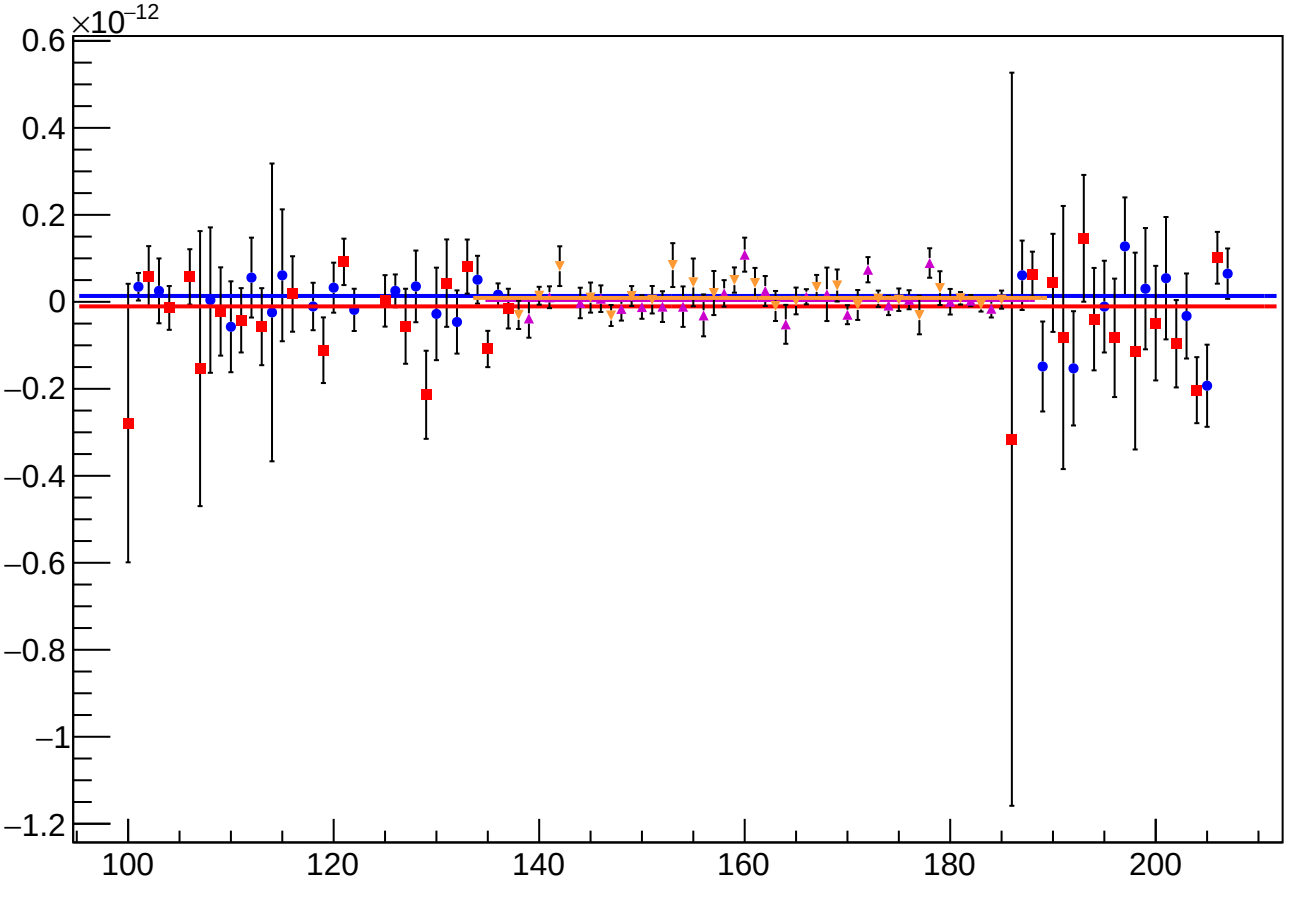
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1545.742+/-0.198 χ^2/NDF: 1506444.7/55

In: 1675.823+/-0.208 χ^2/NDF:1749384.5/48

Out: 1706.546+/-0.208 χ^2/NDF:1931722.0/53

All: 1691.233+/-0.147 χ^2/NDF: 3692009.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 14.8/25

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

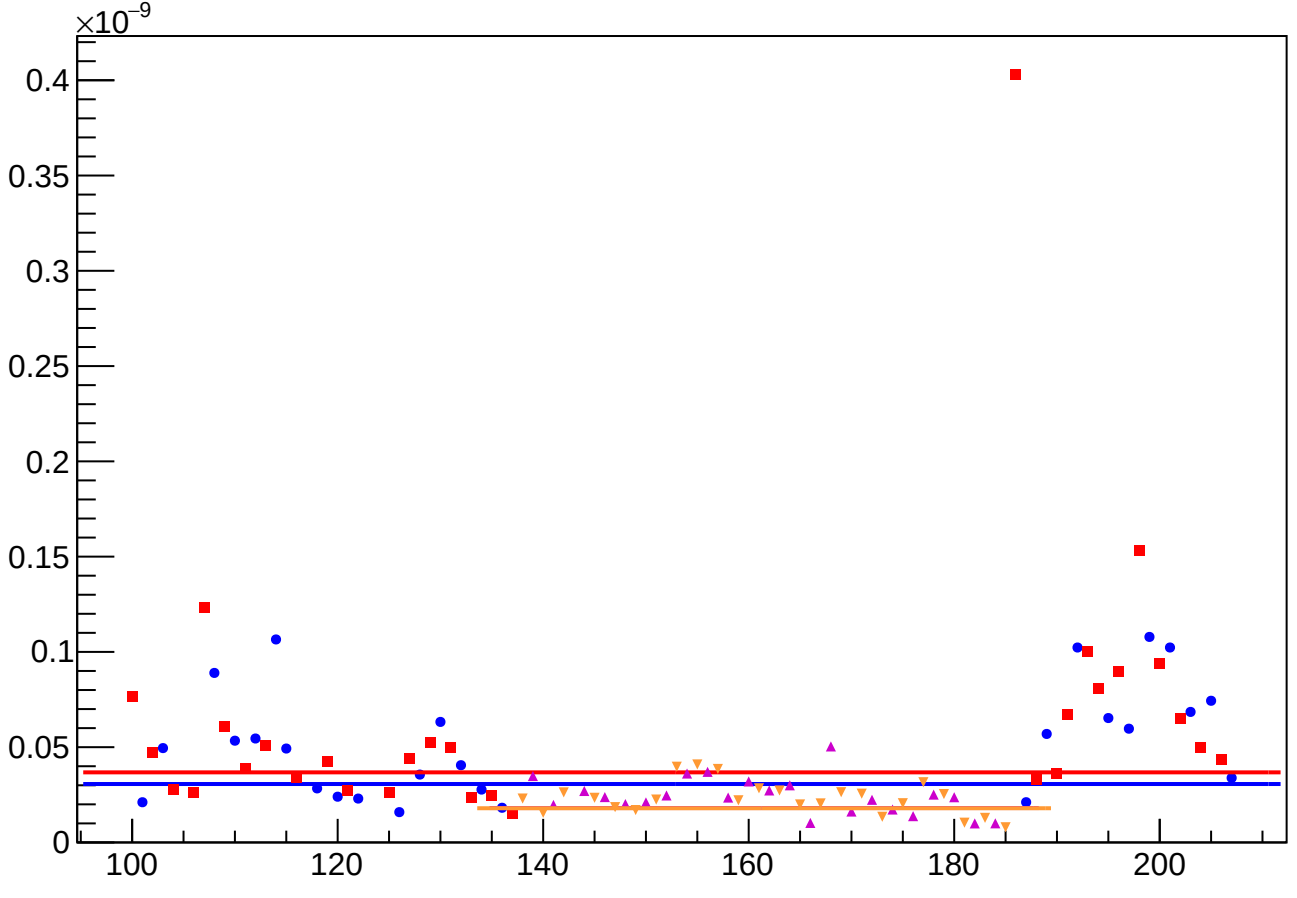
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: 0.000+/-0.000 χ^2/NDF: 52.8/55

In: 0.000+/-0.000 χ^2/NDF:43.4/48

Out: 0.000+/-0.000 χ^2/NDF:54.6/53

All: 0.000+/-0.000 χ^2/NDF: 98.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 4959340.2/25

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

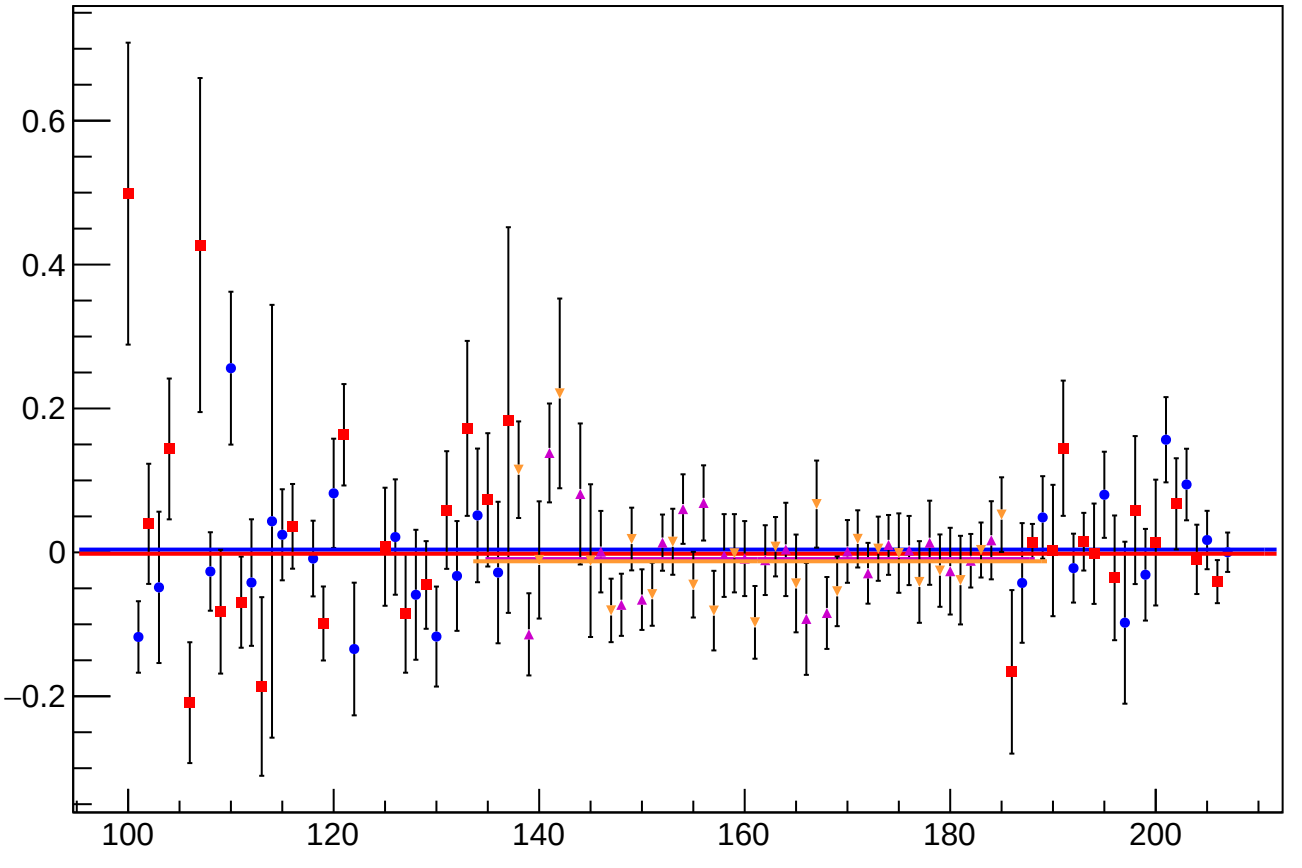
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9149822.8/55

In: 0.000+/-0.000 χ^2/NDF:10879051.9/48

Out: 0.000+/-0.000 χ^2/NDF:10621579.5/53

All: 0.000+/-0.000 χ^2/NDF: 21504283.3/102



Right In: 0.004+/-0.012 χ^2/NDF: 34.1/25

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

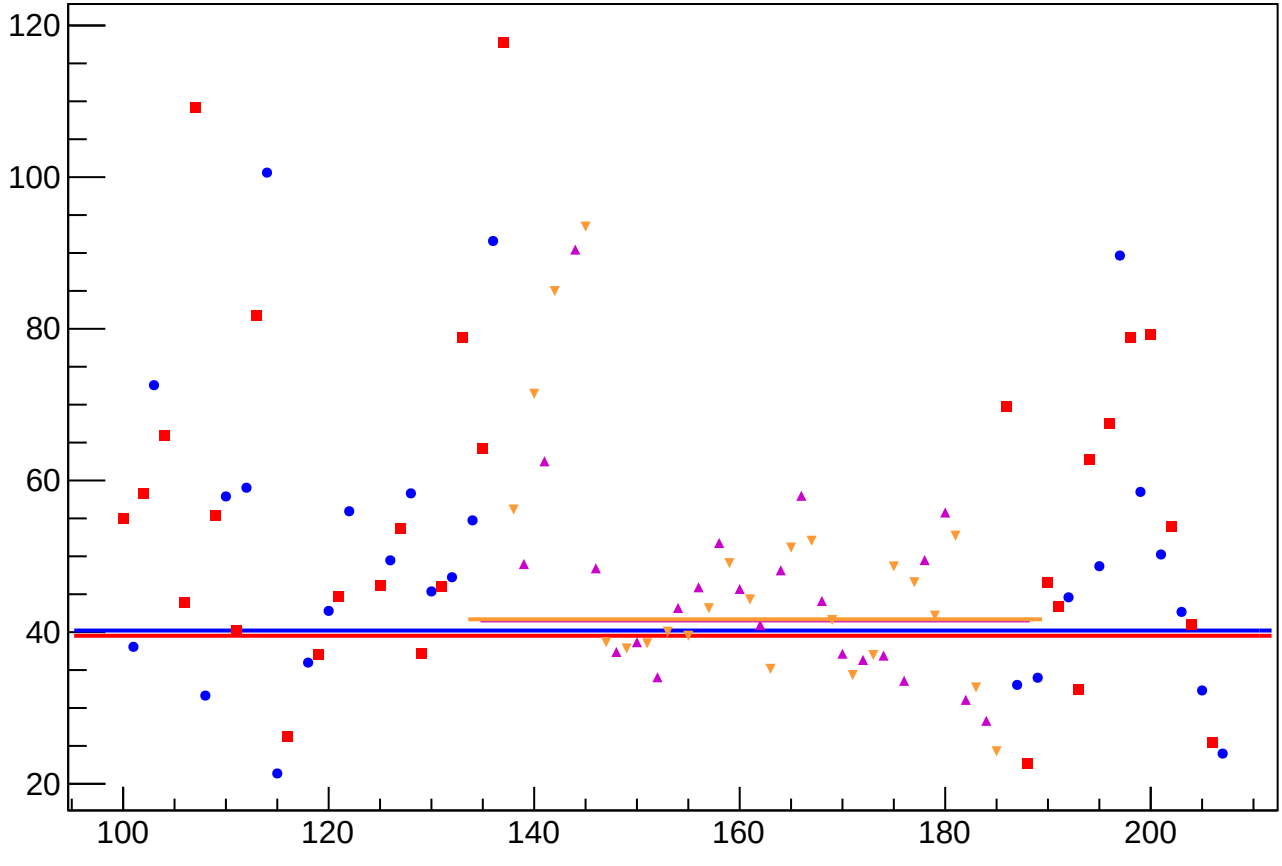
Right: 0.001+/-0.008 χ^2/NDF: 79.3/55

In: -0.004+/-0.008 χ^2/NDF:56.7/48

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.006+/-0.006 χ^2/NDF: 124.3/102

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.213+/-0.008 χ^2/NDF: 2937017.8/25

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

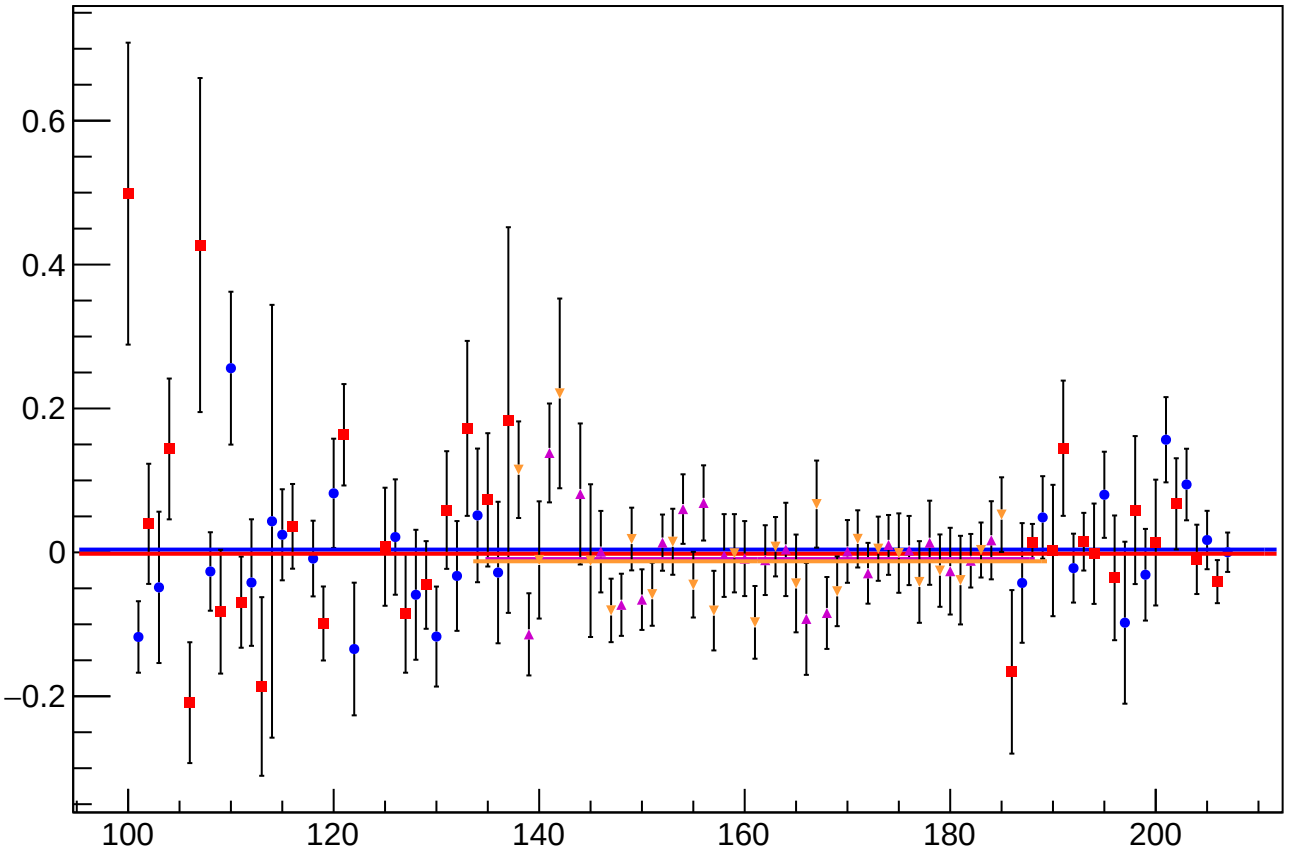
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 39.858+/-0.006 χ^2/NDF: 7124377.2/55

In: 40.971+/-0.006 χ^2/NDF:4564118.0/48

Out: 40.721+/-0.006 χ^2/NDF:6044129.5/53

All: 40.844+/-0.004 χ^2/NDF: 10609263.9/102



Right In: 0.004+/-0.012 χ^2/NDF: 34.1/25

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

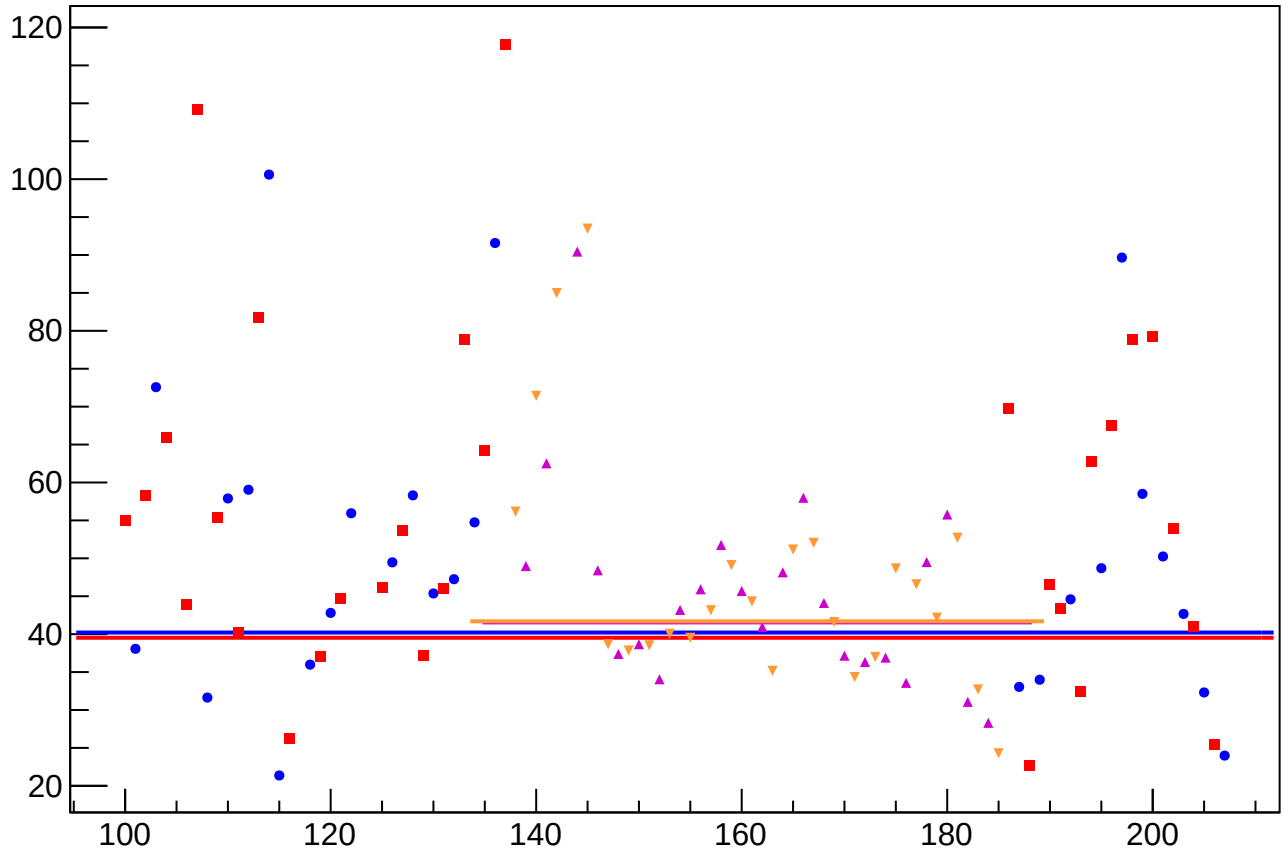
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.001+/-0.008 χ^2/NDF: 79.3/55

In: -0.004+/-0.008 χ^2/NDF:56.7/48

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.006+/-0.006 χ^2/NDF: 124.3/102



Right In: 40.213+/-0.008 χ^2/NDF: 2937017.8/25

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

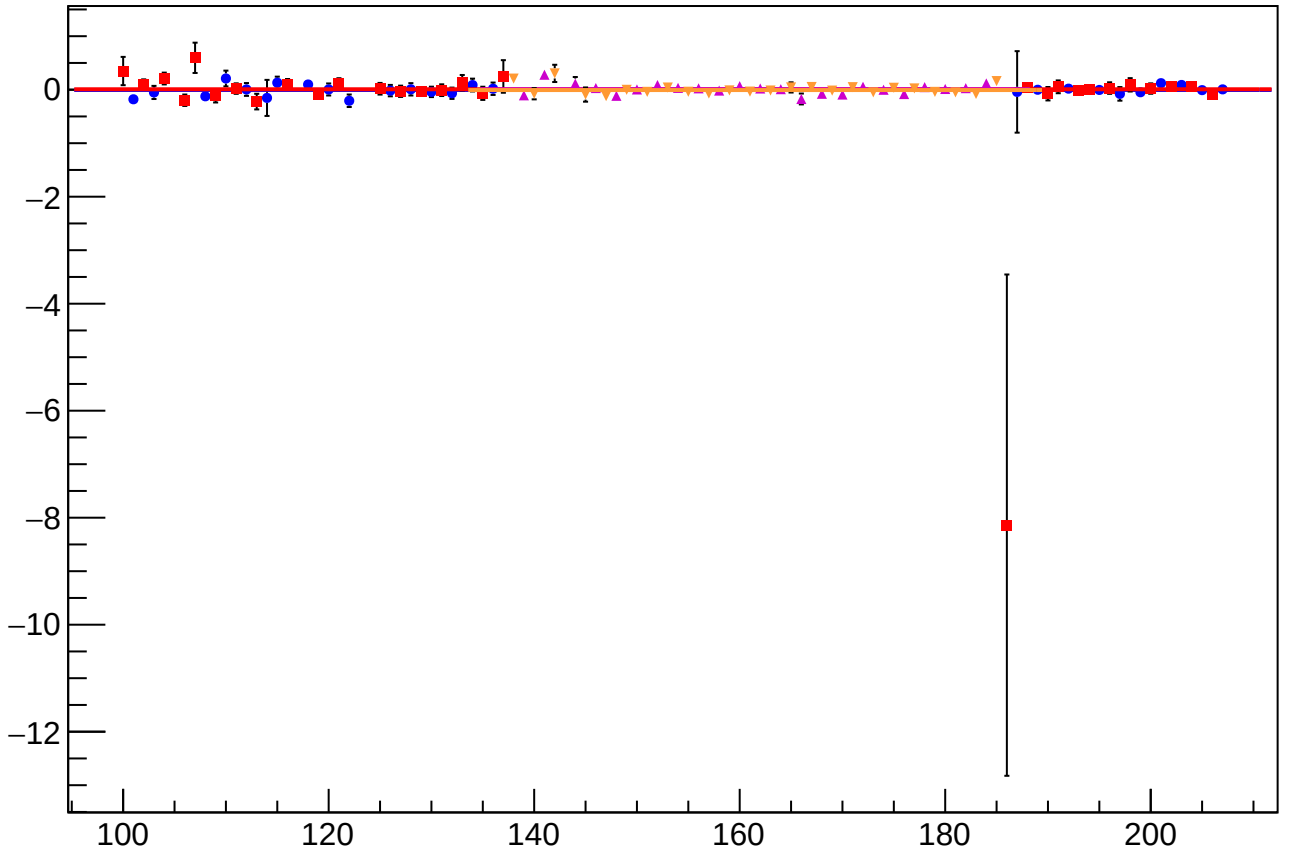
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 39.858+/-0.006 χ^2/NDF: 7124377.2/55

In: 40.971+/-0.006 χ^2/NDF:4564118.0/48

Out: 40.721+/-0.006 χ^2/NDF:6044129.5/53

All: 40.844+/-0.004 χ^2/NDF: 10609263.9/102



Right In: -0.005+/-0.017 χ^2/NDF: 24.5/25

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

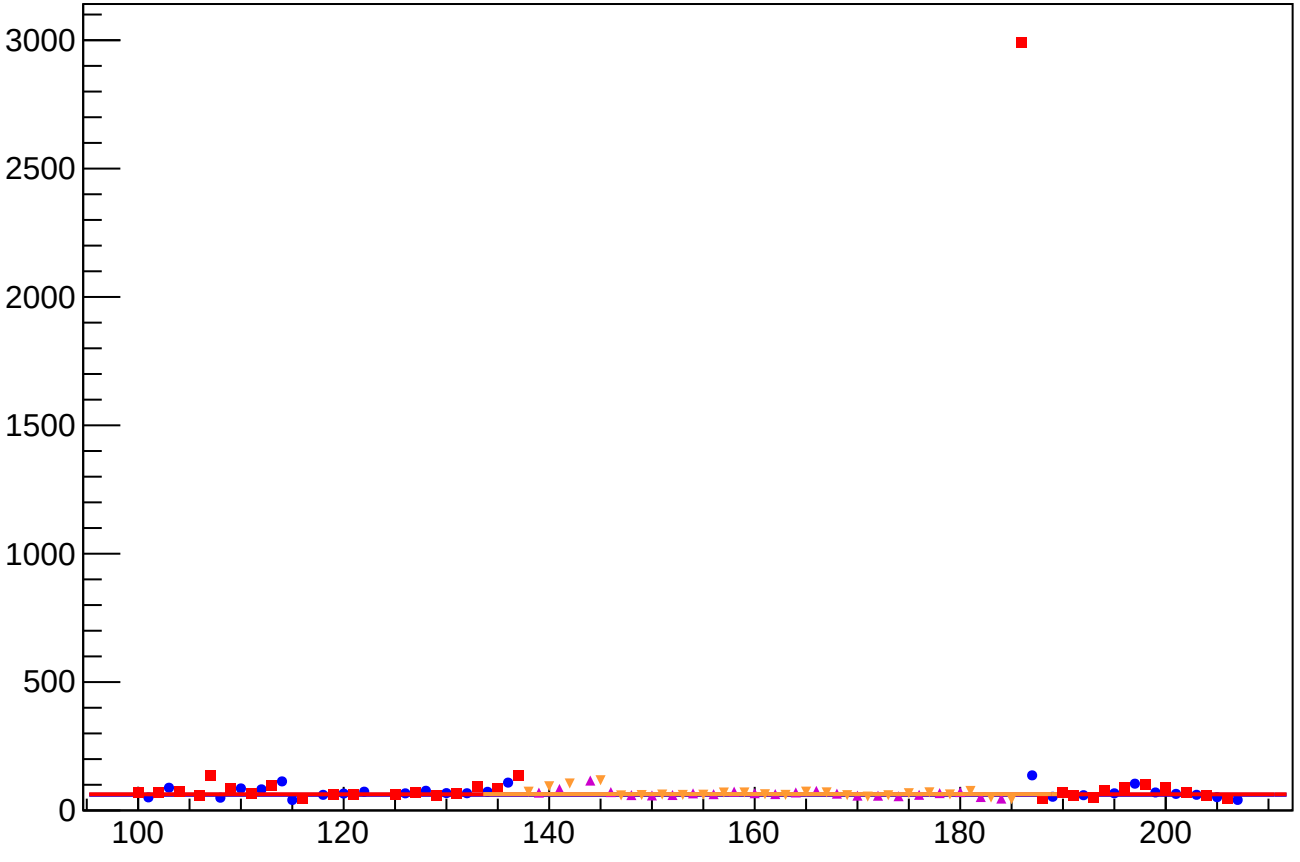
Right: 0.001+/-0.012 χ^2/NDF: 57.0/55

In: 0.002+/-0.011 χ^2/NDF:52.9/48

Out: -0.000+/-0.011 χ^2/NDF:56.3/53

All: 0.001+/-0.008 χ^2/NDF: 109.2/102

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.945+/-0.012 χ^2/NDF: 1612169.2/25

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

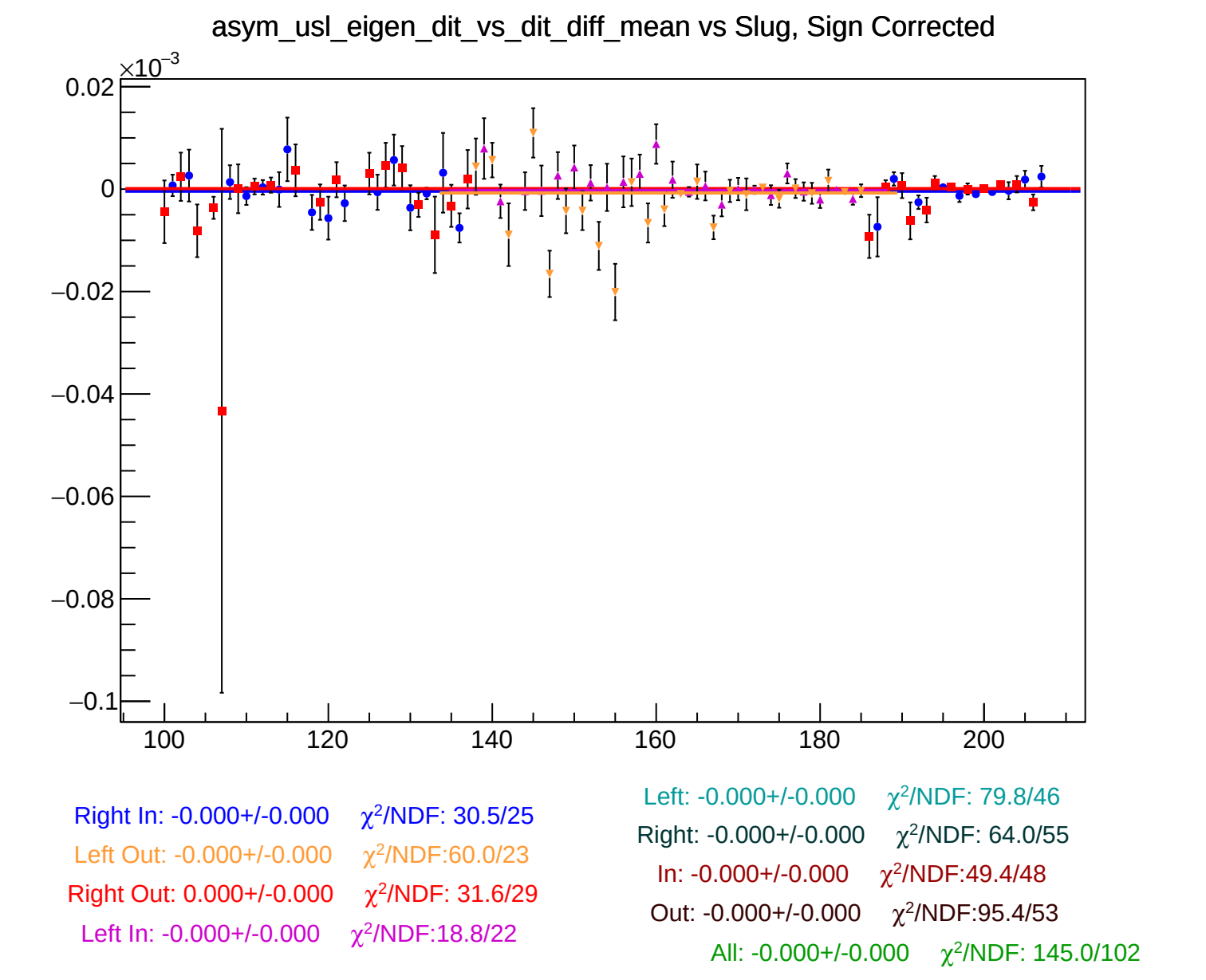
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

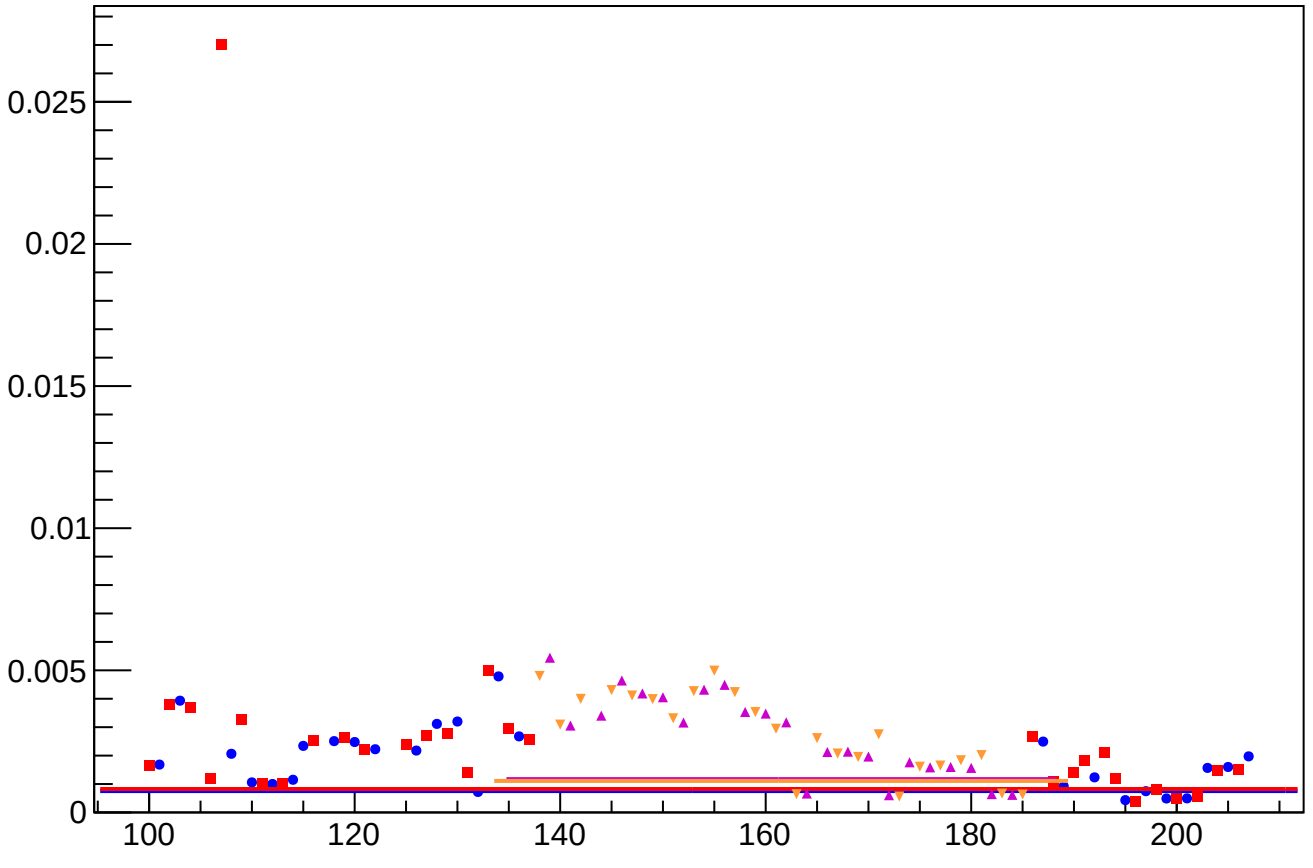
Right: 61.982+/-0.009 χ^2/NDF: 4179006.0/55

In: 62.644+/-0.008 χ^2/NDF:2486822.5/48

Out: 63.440+/-0.008 χ^2/NDF:3633106.1/53

All: 63.043+/-0.006 χ^2/NDF: 6124754.3/102


asym_usl_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 30.5/25
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.6/29
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
Left: -0.000+/-0.000 χ²/NDF: 79.8/46
Right: -0.000+/-0.000 χ²/NDF: 64.0/55
In: -0.000+/-0.000 χ²/NDF:49.4/48
Out: -0.000+/-0.000 χ²/NDF:95.4/53
All: -0.000+/-0.000 χ²/NDF: 145.0/102



Right In: 0.001+/-0.000 χ^2/NDF: 9697474.2/25

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

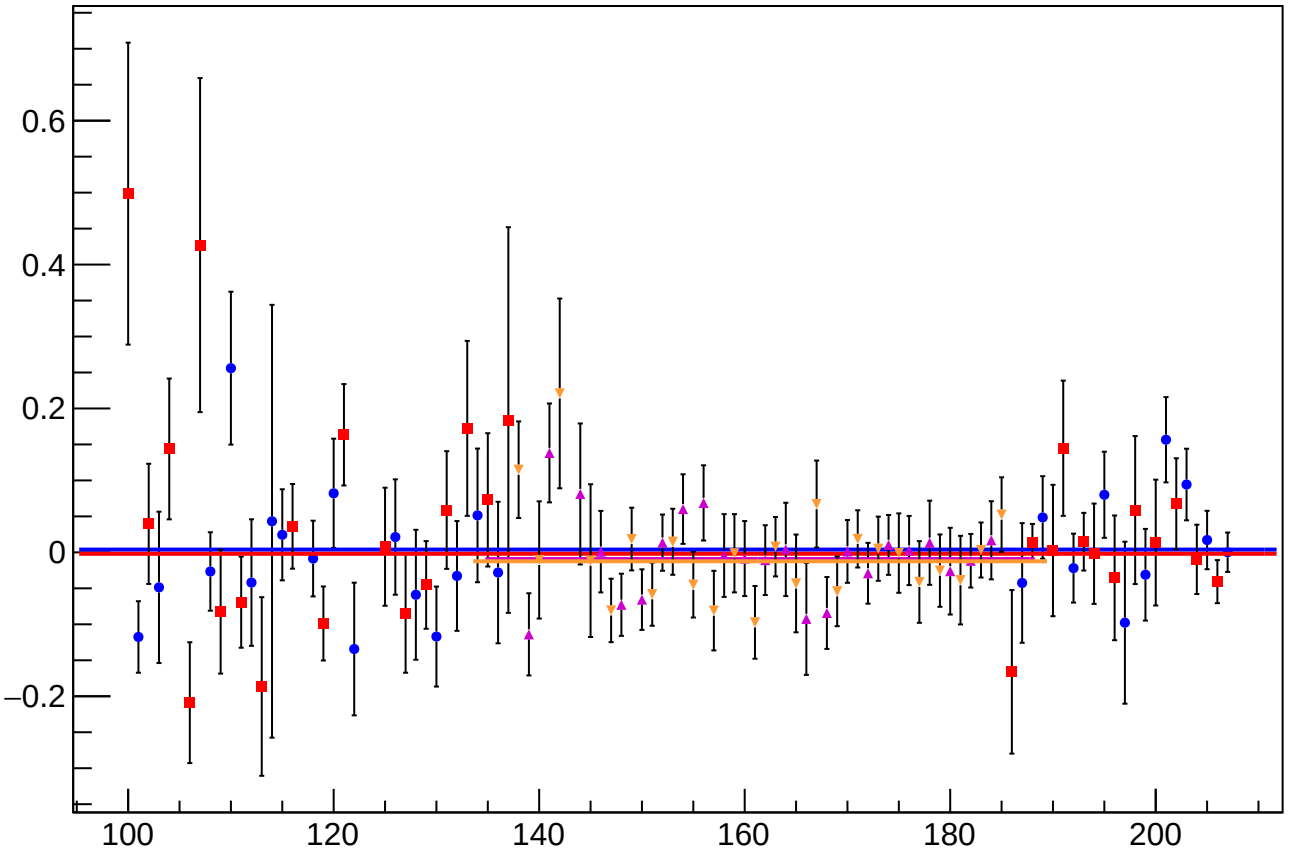
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 20344093.4/55

In: 0.001+/-0.000 χ^2/NDF:25809702.1/48

Out: 0.001+/-0.000 χ^2/NDF:26585758.5/53

All: 0.001+/-0.000 χ^2/NDF: 52442949.0/102



Right In: 0.004+/-0.012 χ^2/NDF: 34.1/25

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

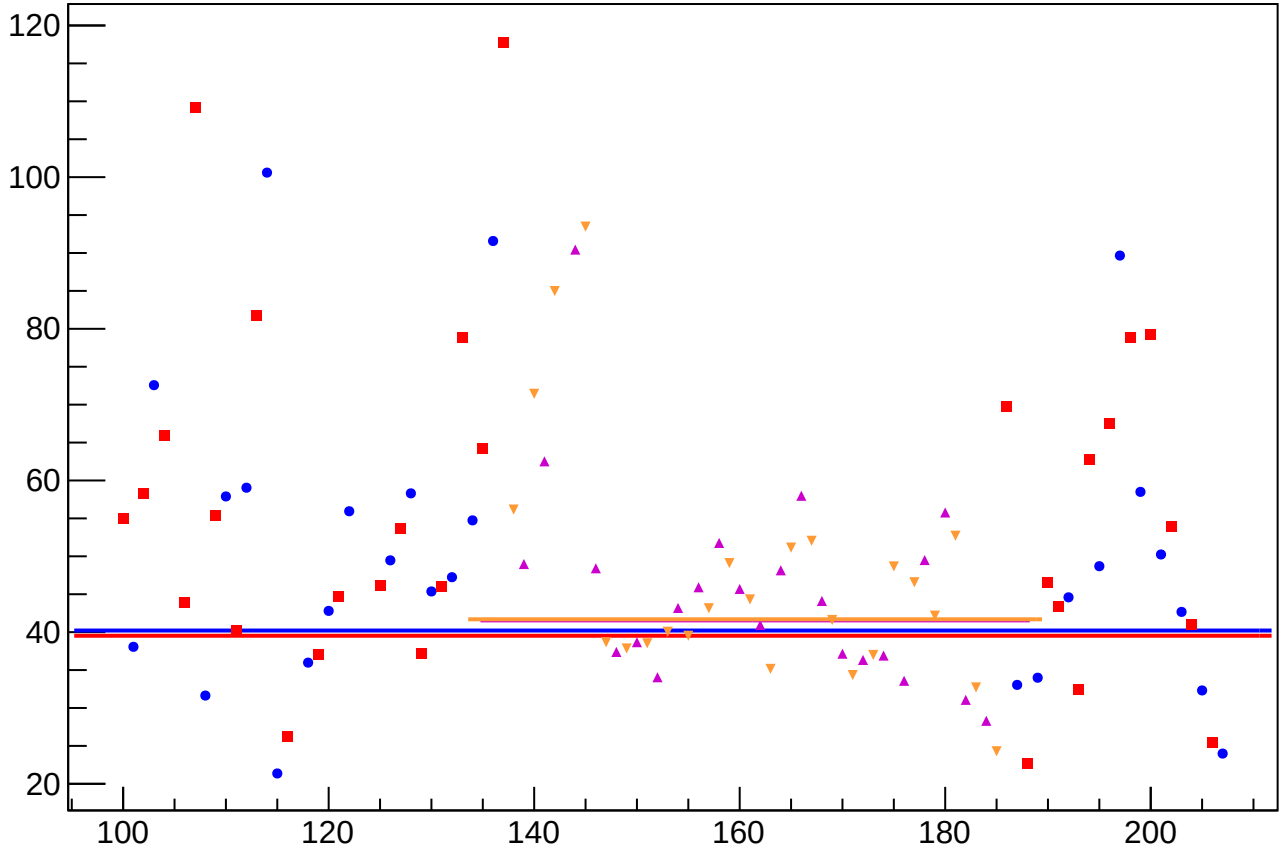
Right: 0.001+/-0.008 χ^2/NDF: 79.3/55

In: -0.004+/-0.008 χ^2/NDF:56.7/48

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.006+/-0.006 χ^2/NDF: 124.3/102

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.212+/-0.008 χ^2/NDF: 2936994.3/25

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

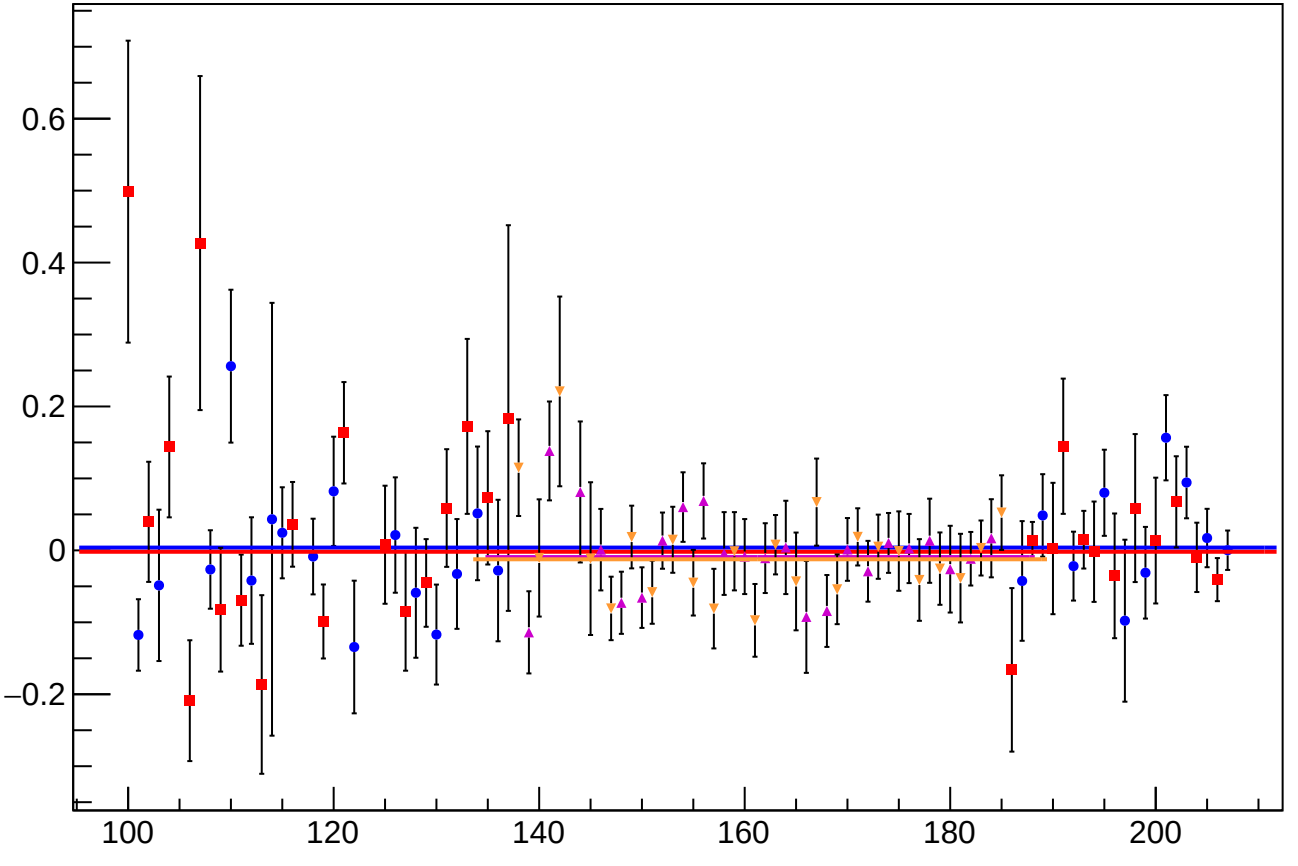
Right: 39.858+/-0.006 χ^2/NDF: 7124254.7/55

In: 40.971+/-0.006 χ^2/NDF:4564065.1/48

Out: 40.721+/-0.006 χ^2/NDF:6044002.0/53

All: 40.844+/-0.004 χ^2/NDF: 10609084.1/102

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.012 χ^2/NDF: 34.1/25

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

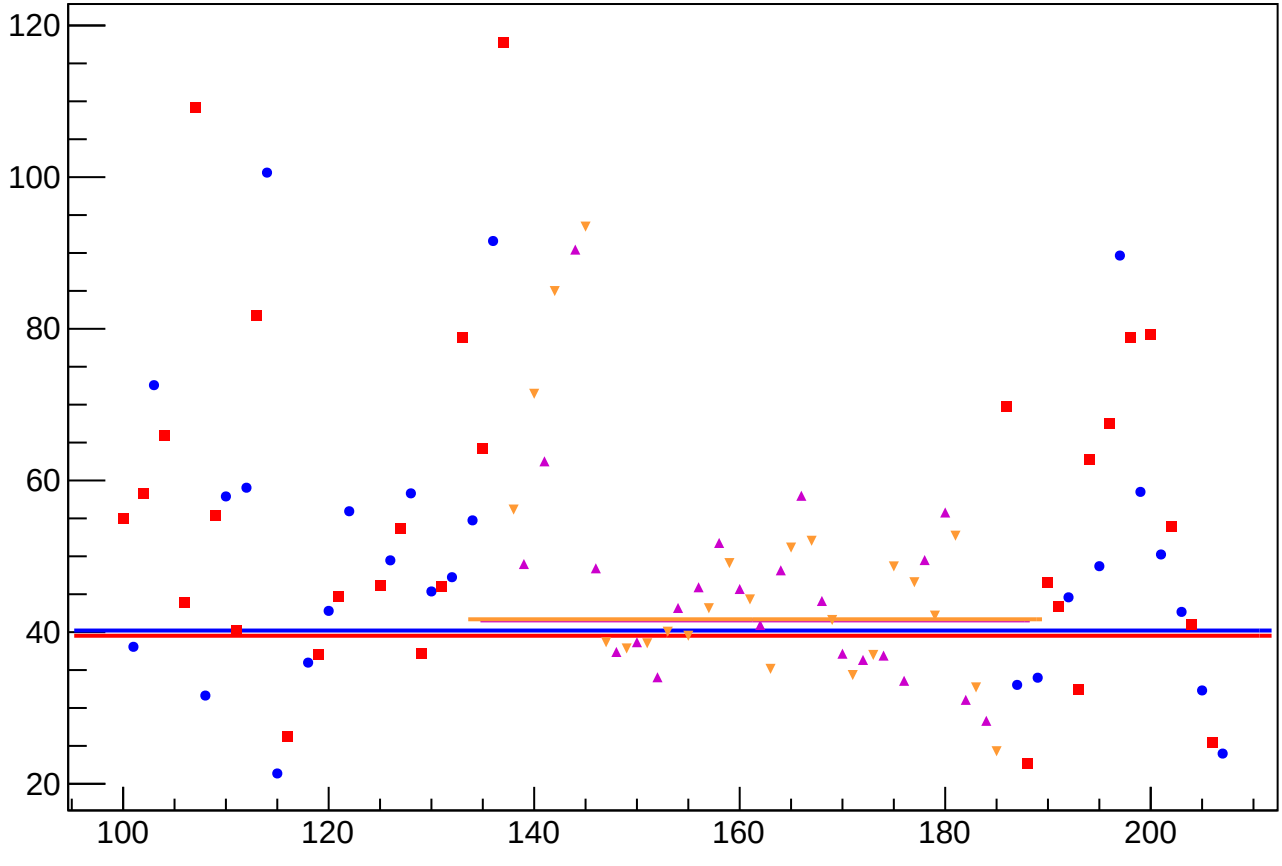
Right: 0.001+/-0.008 χ^2/NDF: 79.3/55

In: -0.004+/-0.008 χ^2/NDF:56.7/48

Out: -0.008+/-0.008 χ^2/NDF:67.4/53

All: -0.006+/-0.006 χ^2/NDF: 124.3/102

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.212+/-0.008 χ^2/NDF: 2936994.3/25

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

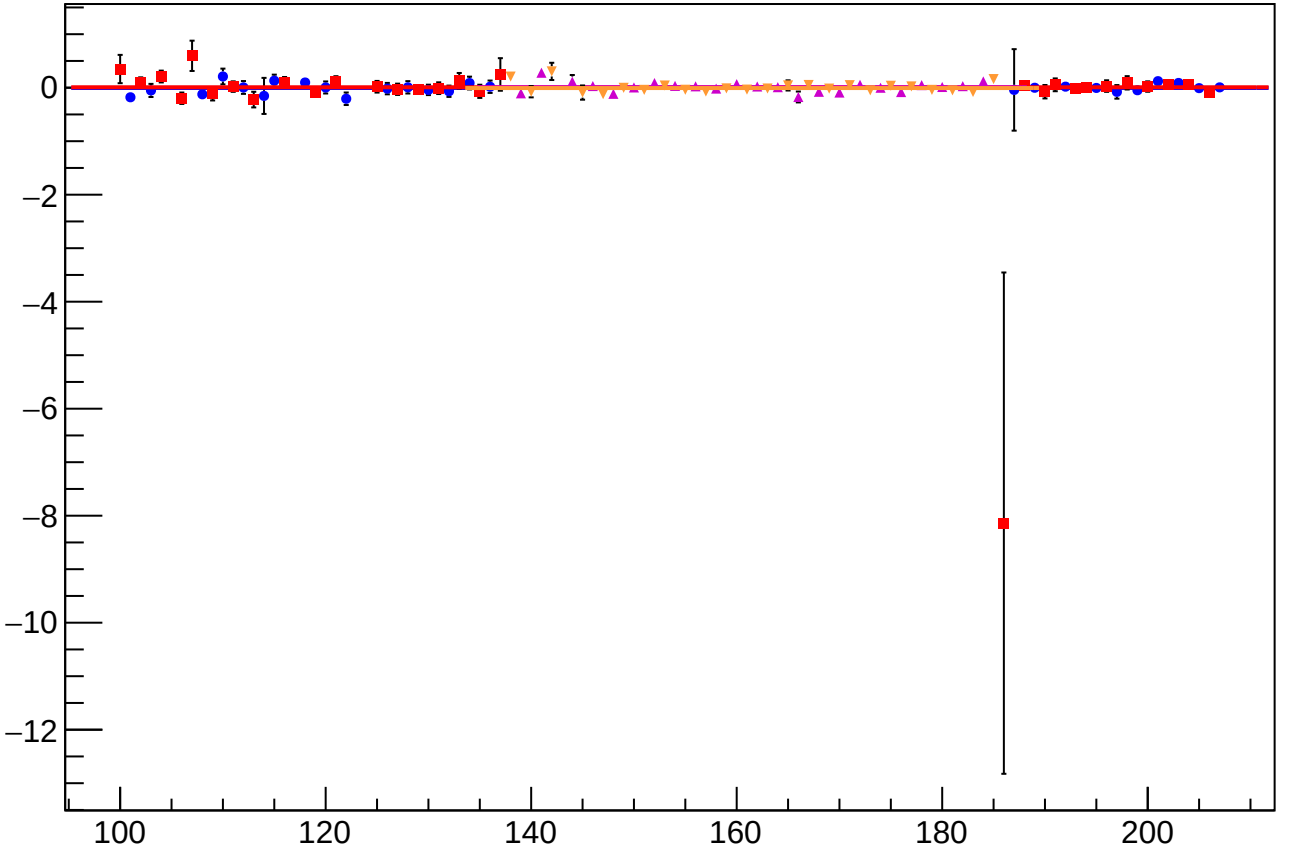
Right: 39.858+/-0.006 χ^2/NDF: 7124254.7/55

In: 40.971+/-0.006 χ^2/NDF:4564065.1/48

Out: 40.721+/-0.006 χ^2/NDF:6044002.0/53

All: 40.844+/-0.004 χ^2/NDF: 10609084.1/102

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.017 χ^2/NDF: 24.5/25

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

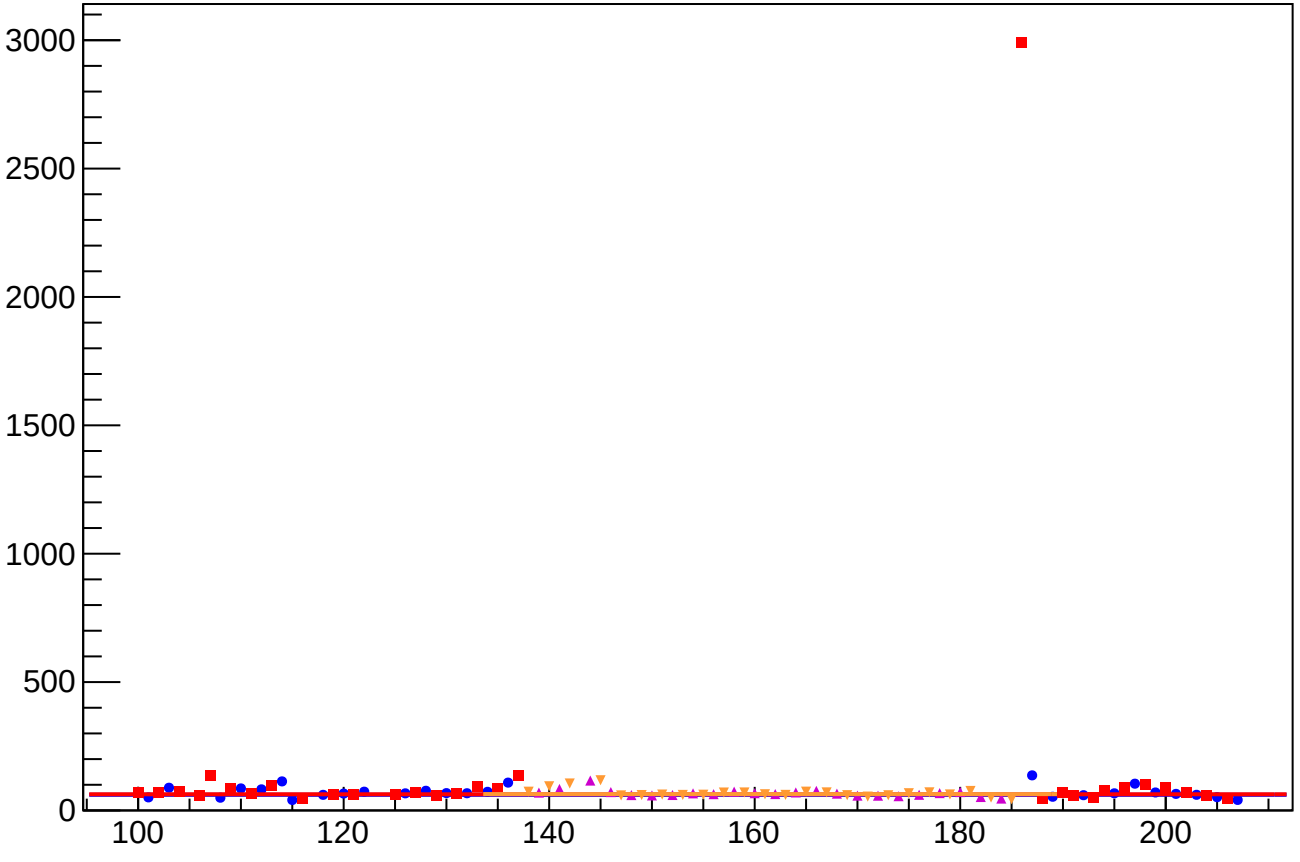
Right: 0.001+/-0.012 χ^2/NDF: 57.0/55

In: 0.002+/-0.011 χ^2/NDF:52.9/48

Out: -0.000+/-0.011 χ^2/NDF:56.3/53

All: 0.001+/-0.008 χ^2/NDF: 109.2/102

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.945+/-0.012 χ^2/NDF: 1612153.8/25

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

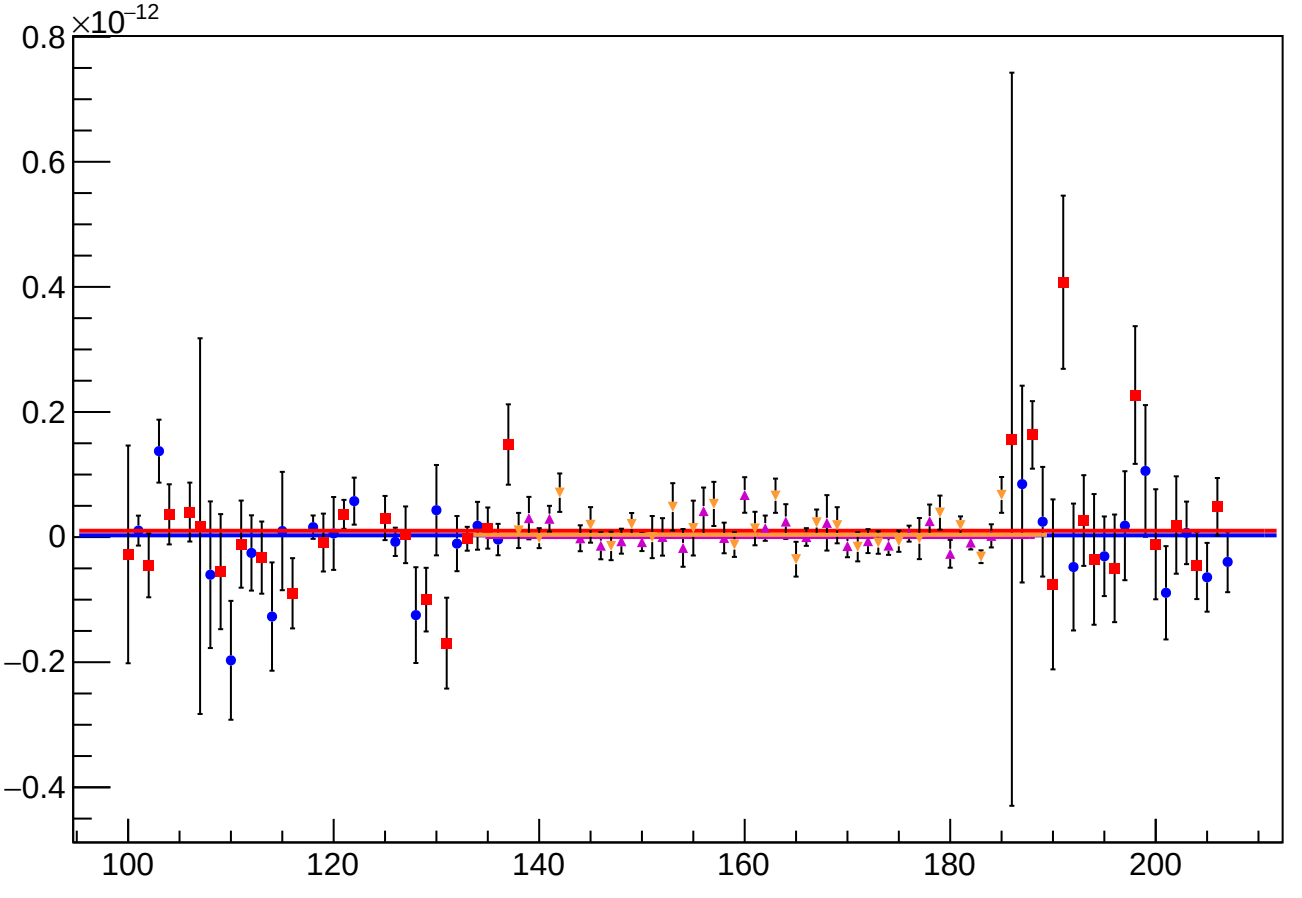
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 61.982+/-0.009 χ^2/NDF: 4178962.3/55

In: 62.644+/-0.008 χ^2/NDF:2486808.2/48

Out: 63.440+/-0.008 χ^2/NDF:3633068.5/53

All: 63.043+/-0.006 χ^2/NDF: 6124701.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 26.3/25

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

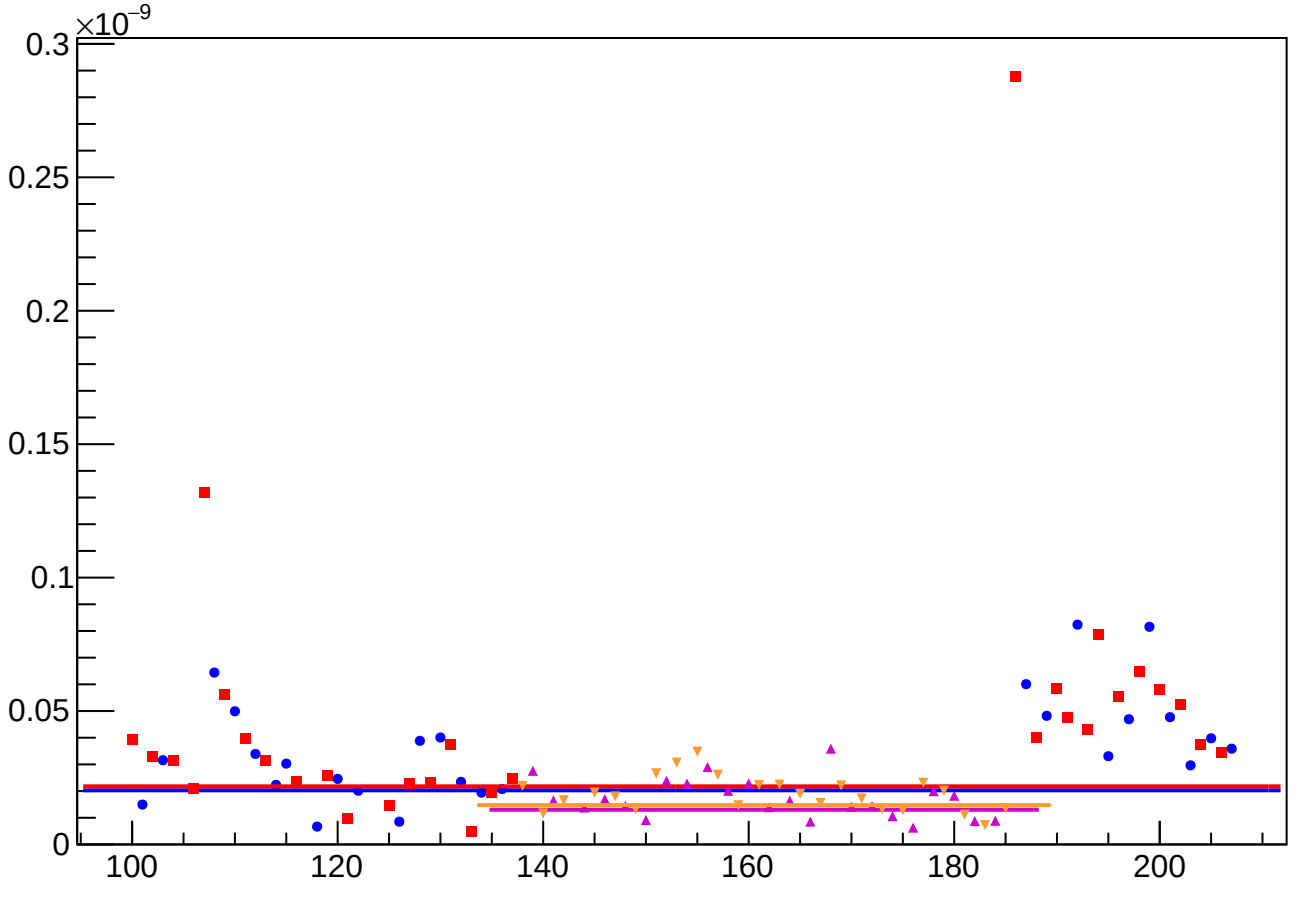
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 73.8/55

In: 0.000+/-0.000 χ^2/NDF:43.5/48

Out: 0.000+/-0.000 χ^2/NDF:88.1/53

All: 0.000+/-0.000 χ^2/NDF: 132.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 5516968.0/25

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

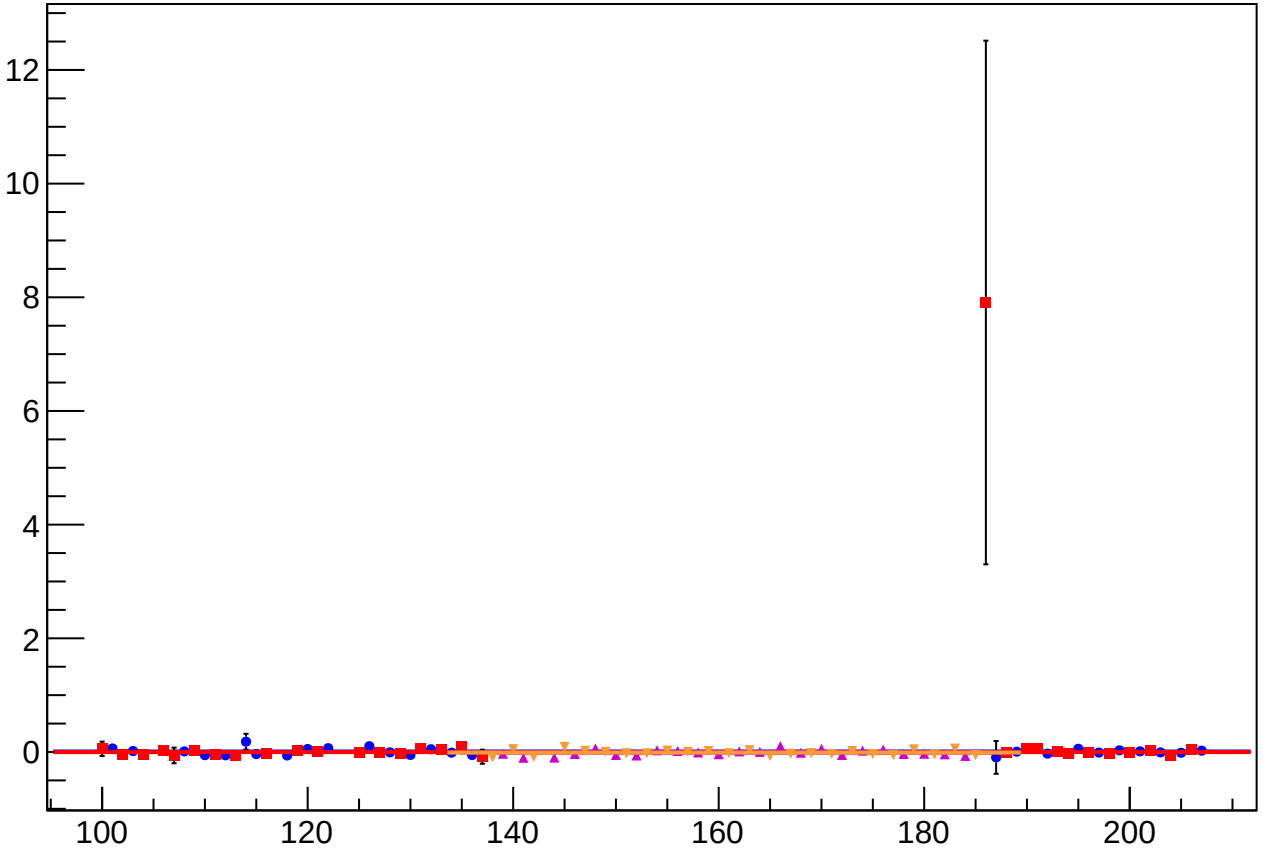
Right: 0.000+/-0.000 χ^2/NDF: 11994567.5/55

In: 0.000+/-0.000 χ^2/NDF:10641263.8/48

Out: 0.000+/-0.000 χ^2/NDF:10971460.3/53

All: 0.000+/-0.000 χ^2/NDF: 21823103.4/102

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.009 χ^2/NDF: 19.5/25

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

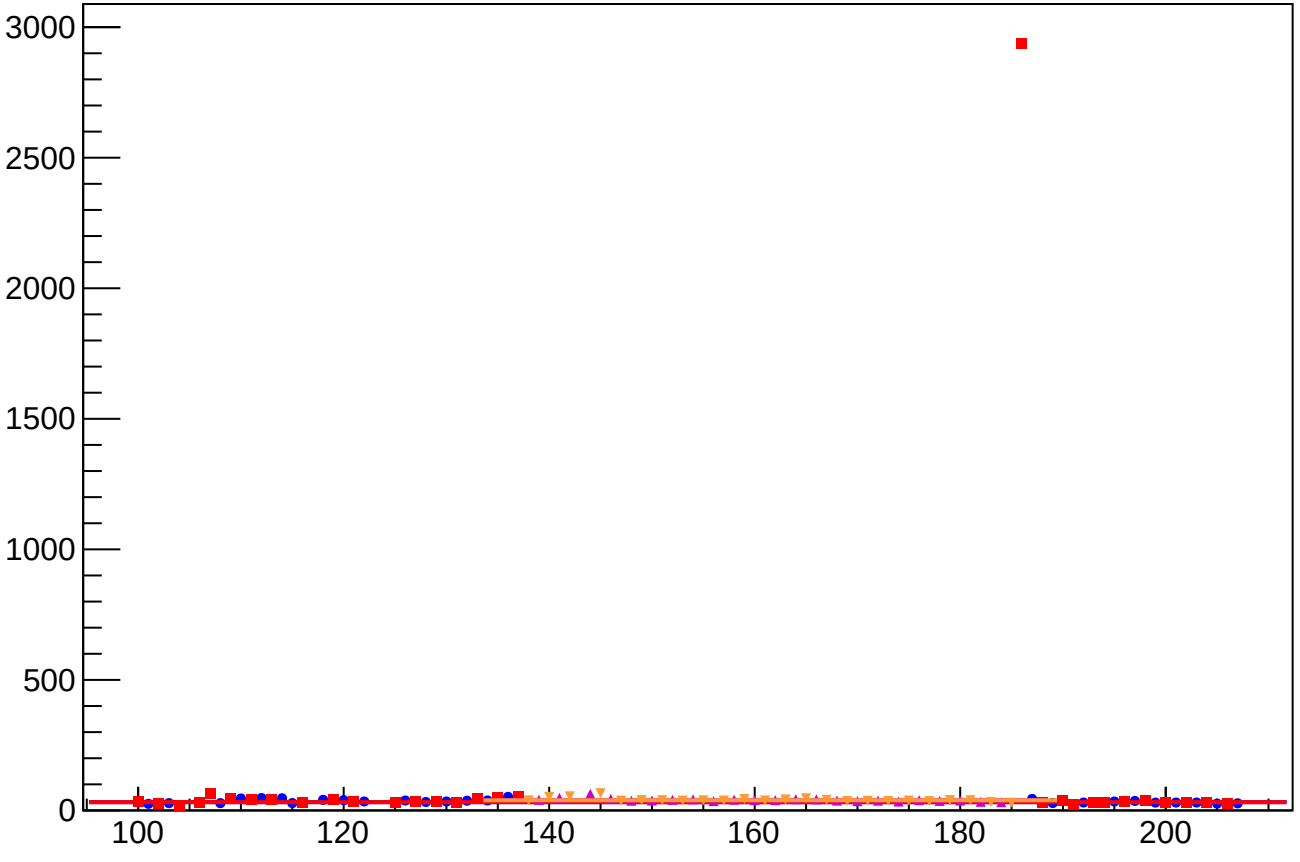
Right: 0.003+/-0.006 χ^2/NDF: 44.6/55

In: -0.001+/-0.006 χ^2/NDF:45.0/48

Out: -0.006+/-0.006 χ^2/NDF:44.1/53

All: -0.003+/-0.005 χ^2/NDF: 89.5/102

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.748+/-0.006 χ^2/NDF: 880996.3/25

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

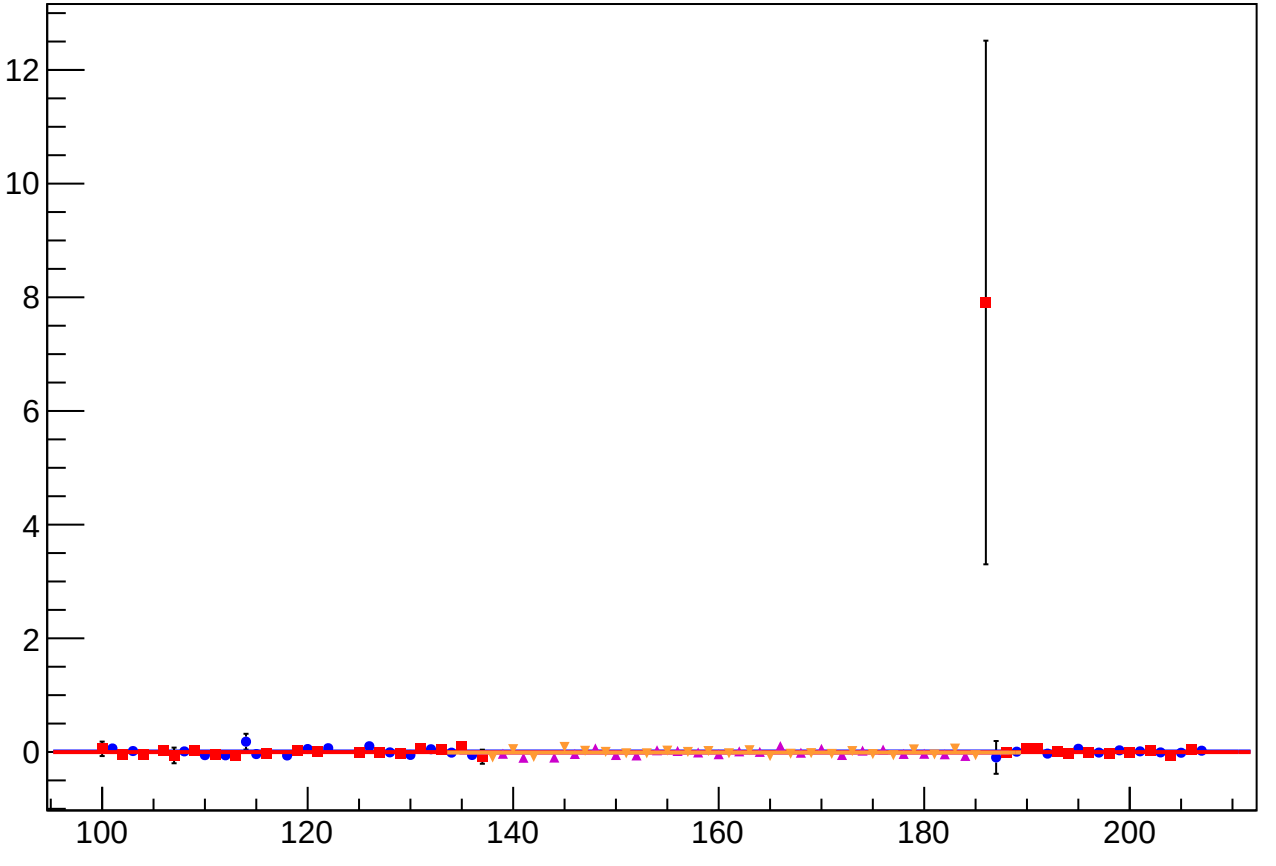
Right: 31.751+/-0.004 χ^2/NDF: 2840360.3/55

In: 35.144+/-0.005 χ^2/NDF:2058920.0/48

Out: 34.975+/-0.004 χ^2/NDF:3228164.9/53

All: 35.057+/-0.003 χ^2/NDF: 5287787.4/102

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.009 χ^2/NDF: 19.5/25

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

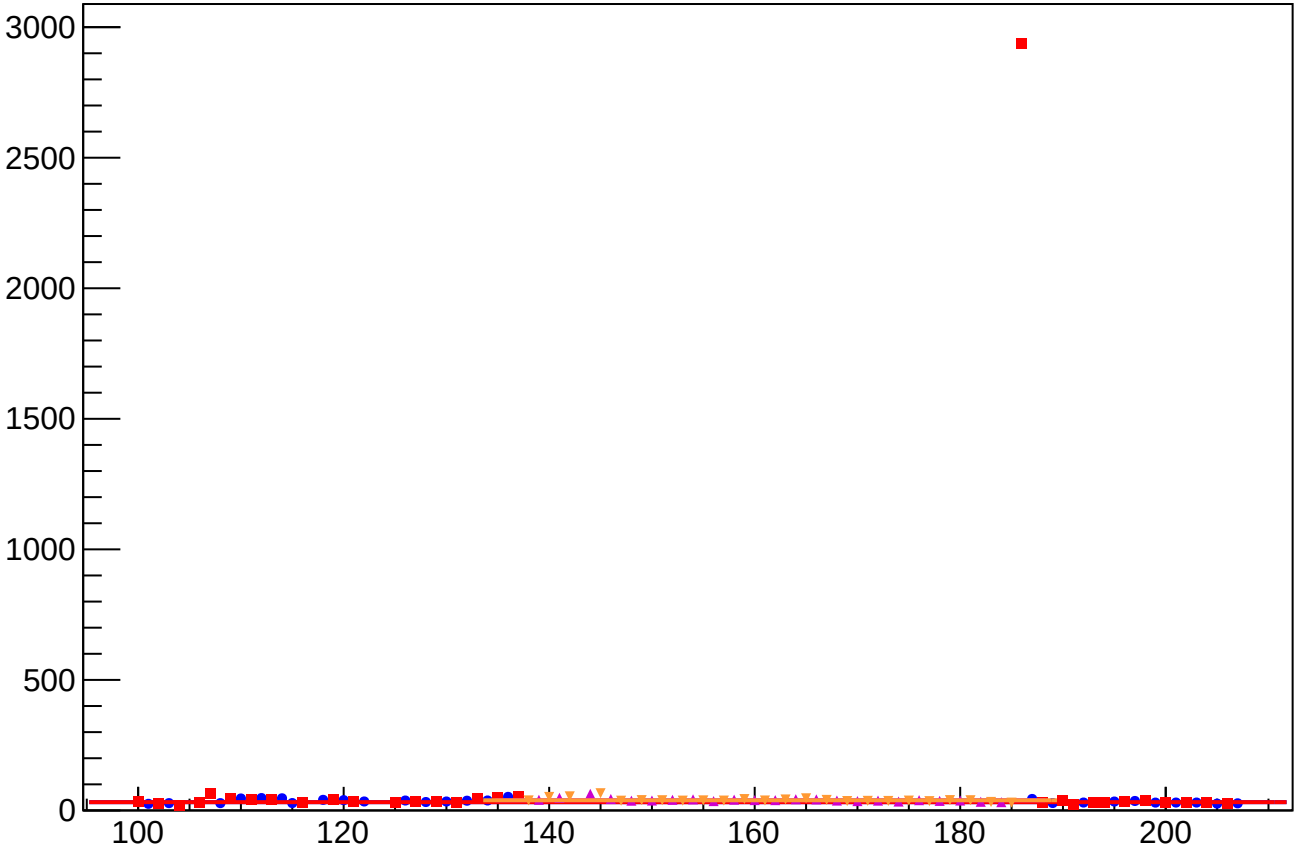
Right: 0.003+/-0.006 χ^2/NDF: 44.6/55

In: -0.001+/-0.006 χ^2/NDF:45.0/48

Out: -0.006+/-0.006 χ^2/NDF:44.1/53

All: -0.003+/-0.005 χ^2/NDF: 89.5/102

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.748+/-0.006 χ^2/NDF: 880996.3/25

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

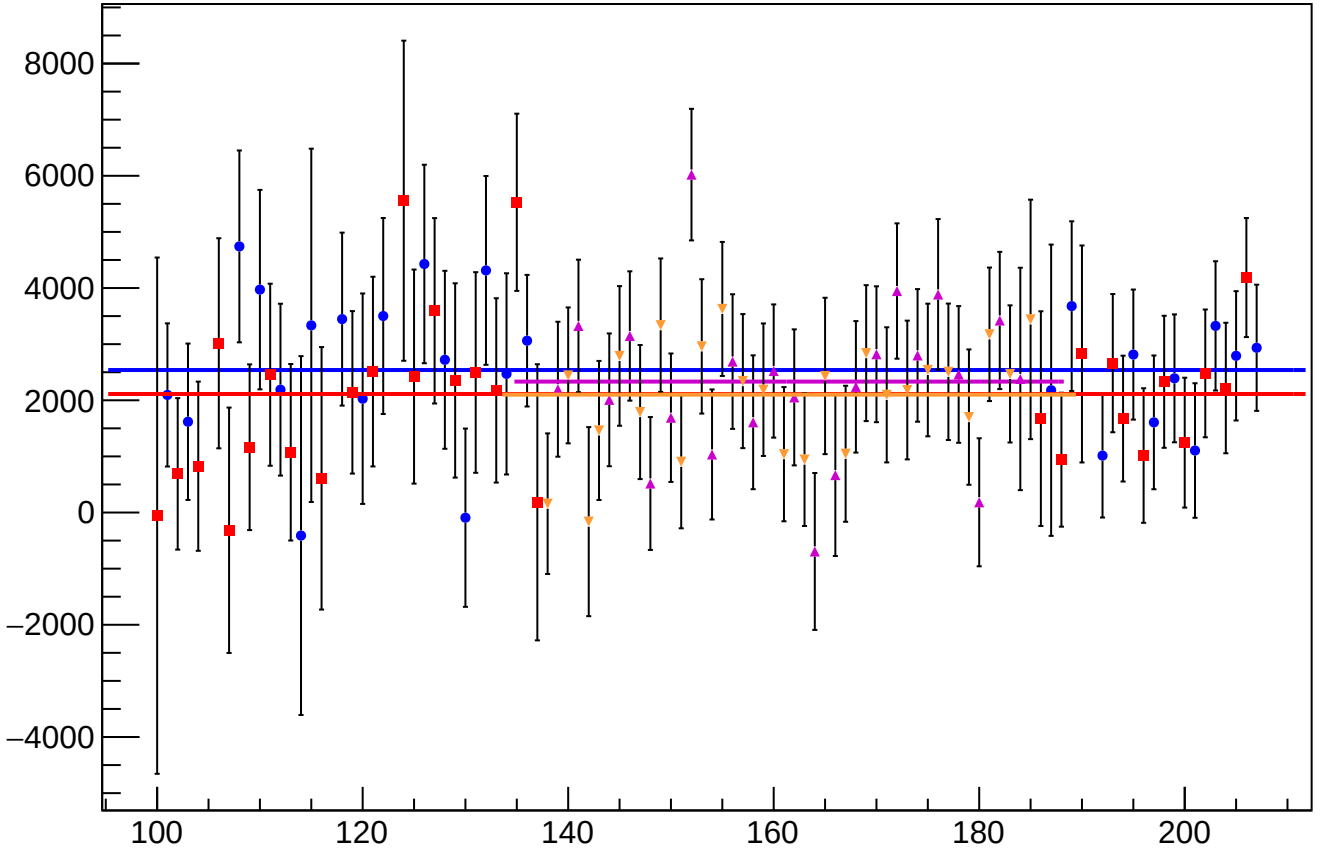
Right: 31.751+/-0.004 χ^2/NDF: 2840360.3/55

In: 35.144+/-0.005 χ^2/NDF:2058920.0/48

Out: 34.975+/-0.004 χ^2/NDF:3228164.9/53

All: 35.057+/-0.003 χ^2/NDF: 5287787.4/102

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2539.016+/-281.997 χ^2/NDF: 15.0/25

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

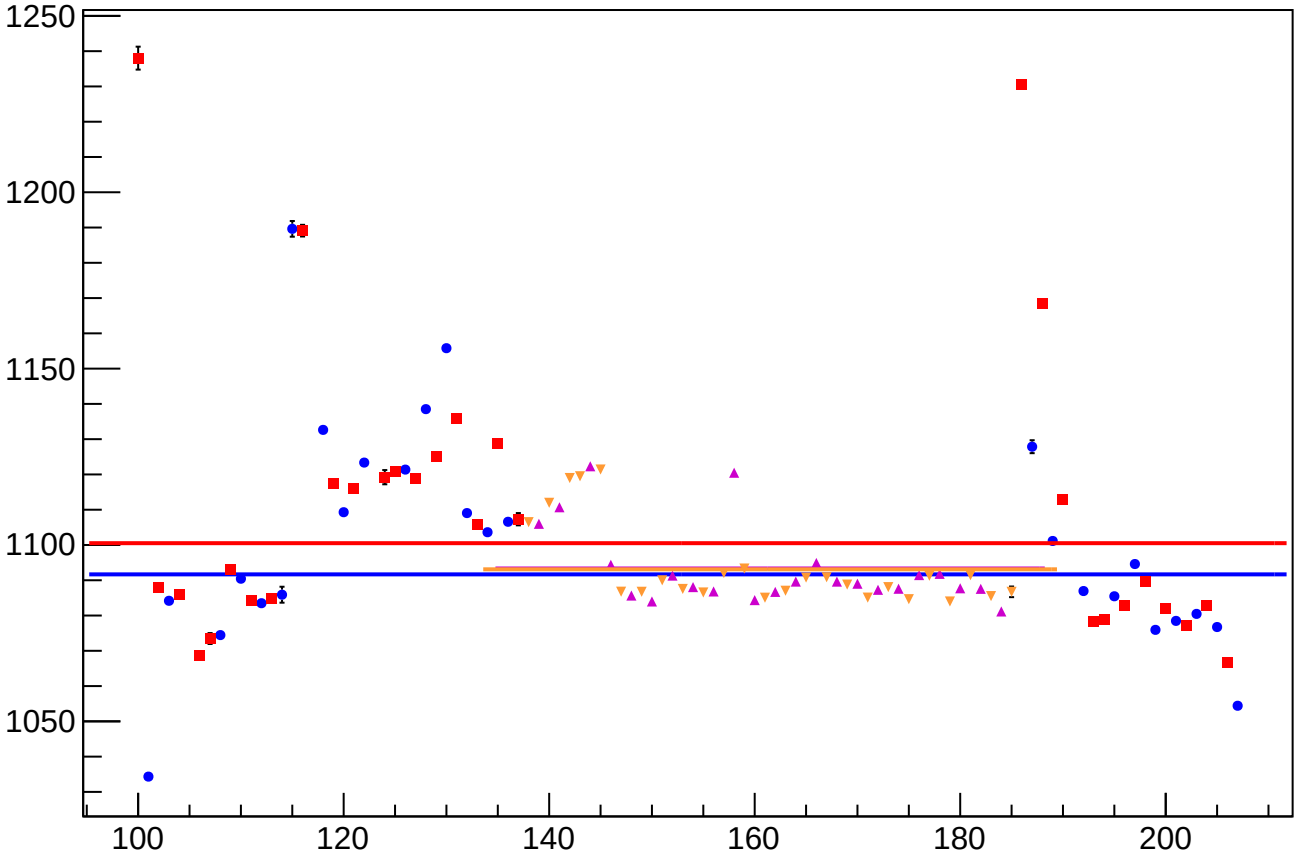
Right: 2318.681+/-196.222 χ^2/NDF: 35.6/55

In: 2425.766+/-189.254 χ^2/NDF:44.8/48

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2260.955+/-131.836 χ^2/NDF: 79.5/103

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.671+/-0.199 χ^2/NDF: 18665.8/25

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

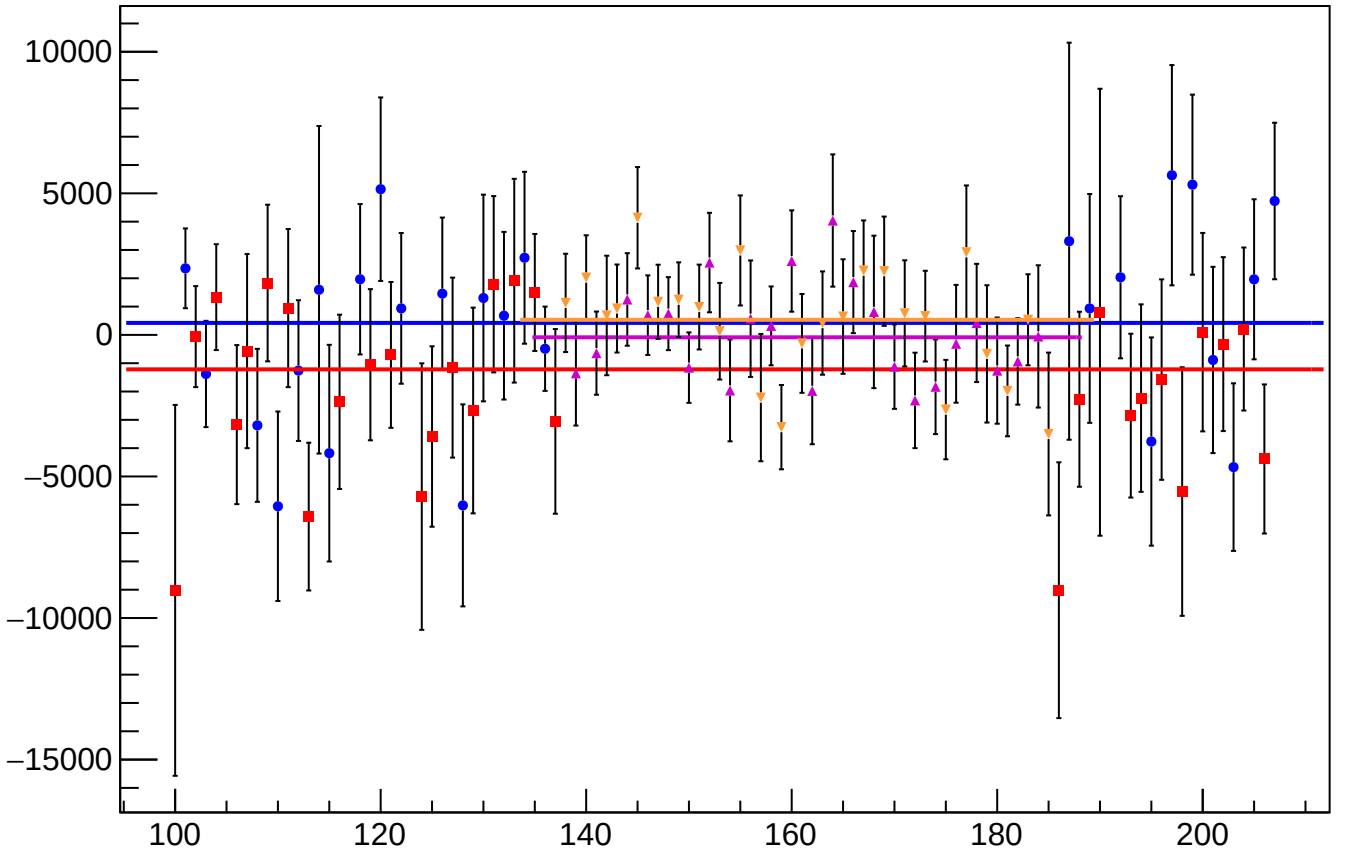
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1096.232+/-0.139 χ^2/NDF: 50569.0/55

In: 1092.587+/-0.134 χ^2/NDF:22430.0/48

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1094.578+/-0.093 χ^2/NDF: 58537.9/103



Right In: 423.766+/-532.799 χ^2/NDF: 29.0/25

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

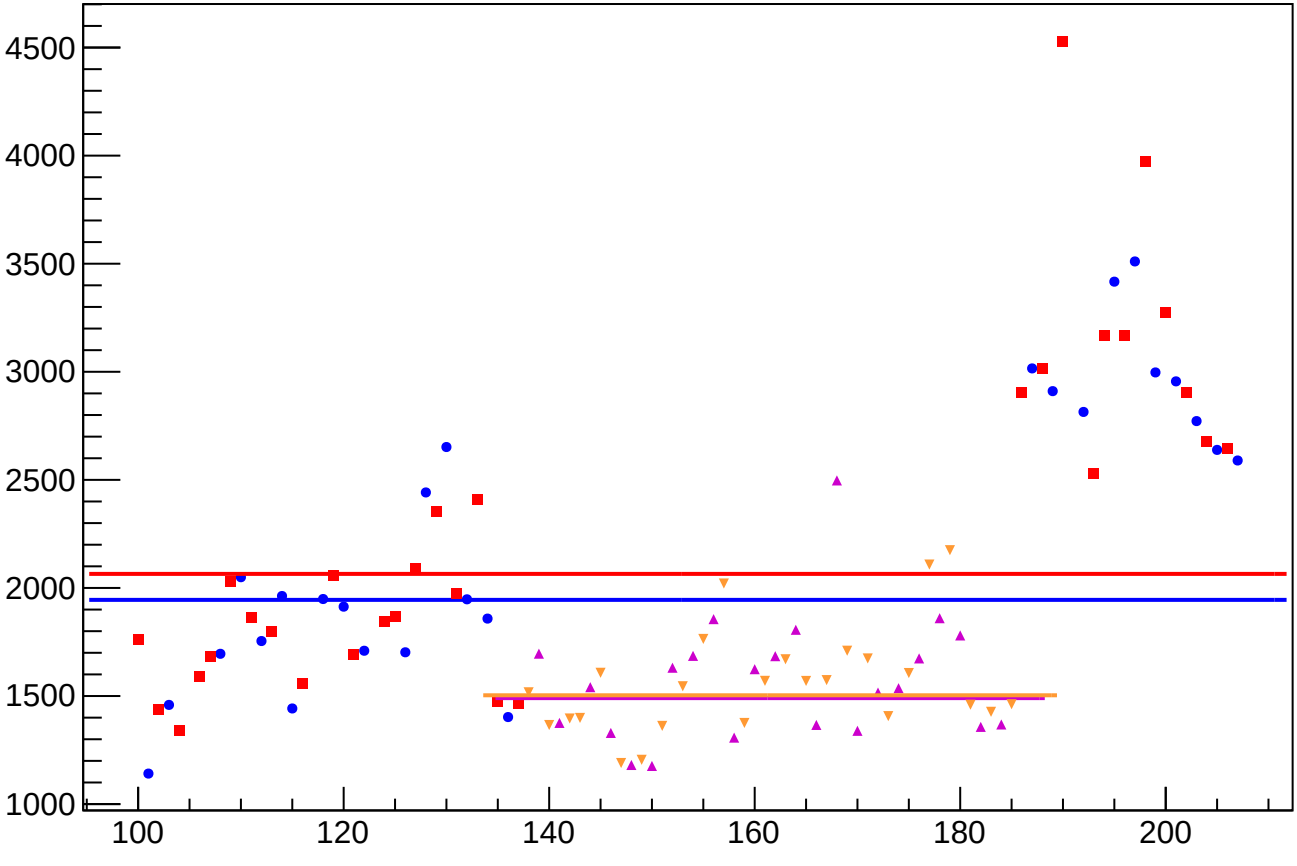
Right: -385.571+/-379.270 χ^2/NDF: 55.7/55

In: 70.542+/-294.813 χ^2/NDF:47.7/48

Out: 21.113+/-292.058 χ^2/NDF:55.9/54

All: 45.595+/-207.484 χ^2/NDF: 103.6/103

asym_usr_reg_correction_rms vs Slug, Sign Corrected



Right In: 1944.824+/-0.377 χ^2/NDF: 3045300.5/25

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

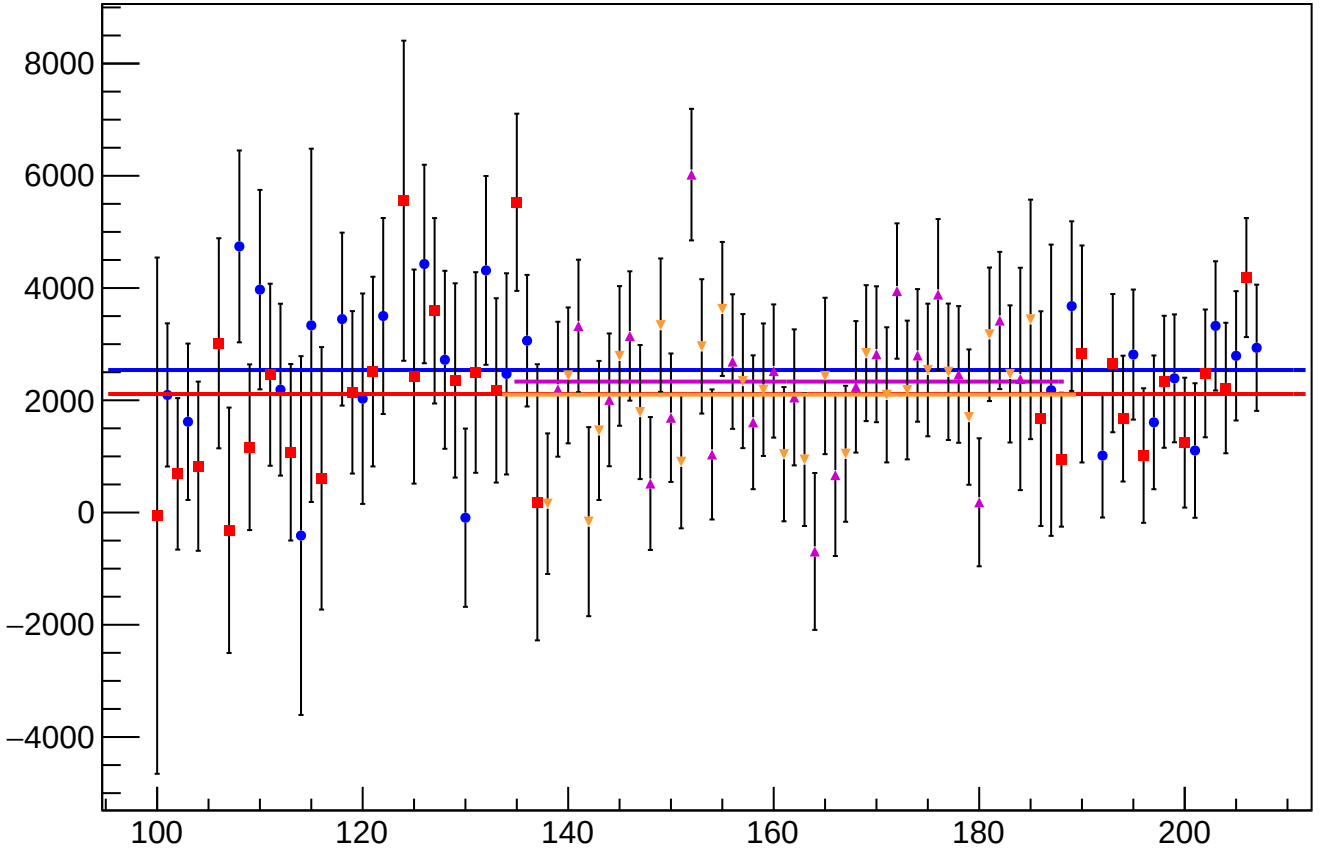
Right: 2004.109+/-0.268 χ^2/NDF: 6008094.1/55

In: 1629.473+/-0.208 χ^2/NDF:5023333.5/48

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1648.766+/-0.147 χ^2/NDF: 10282809.3/1

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2539.016+/-281.997 χ^2/NDF: 15.0/25

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

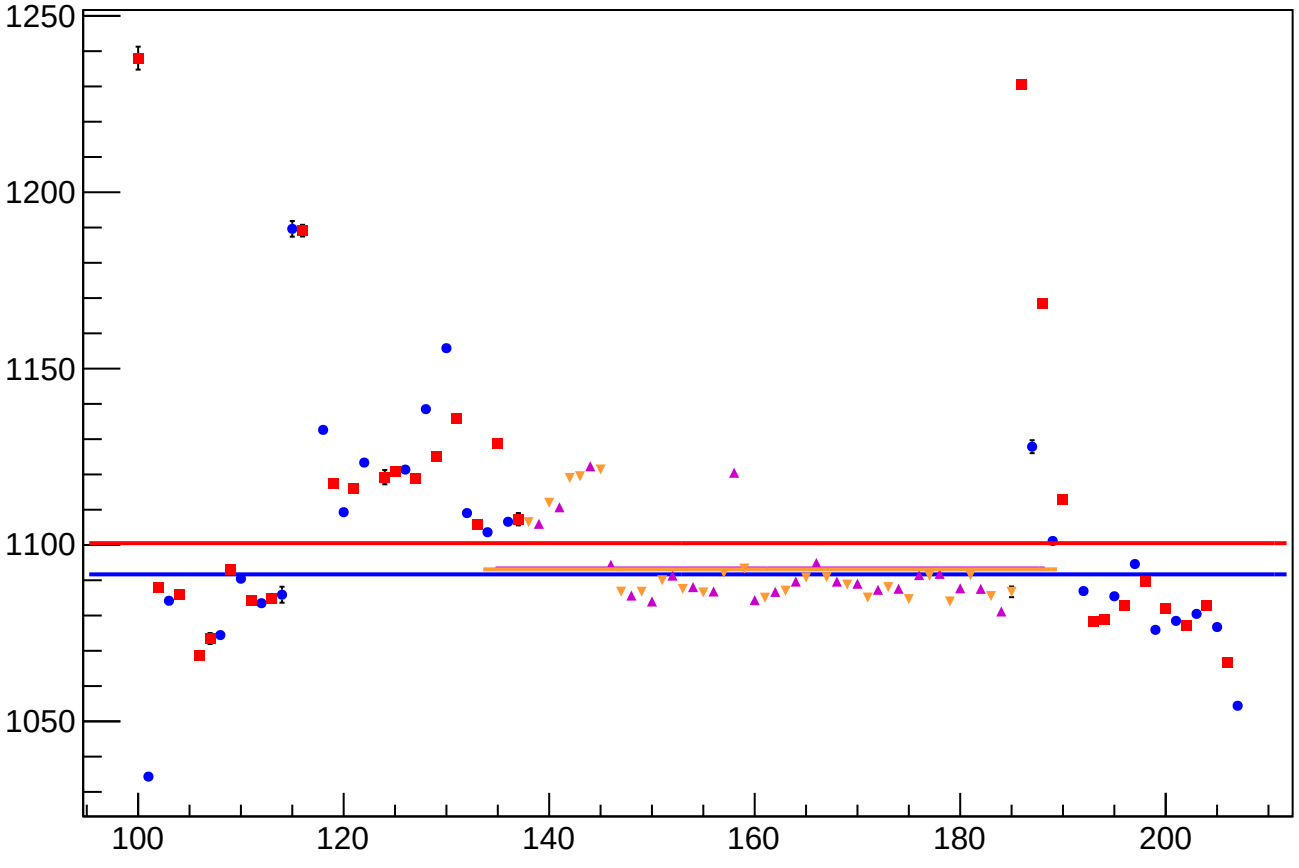
Right: 2318.681+/-196.222 χ^2/NDF: 35.6/55

In: 2425.766+/-189.254 χ^2/NDF:44.8/48

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2260.955+/-131.836 χ^2/NDF: 79.5/103

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.671+/-0.199 χ^2/NDF: 18665.8/25

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

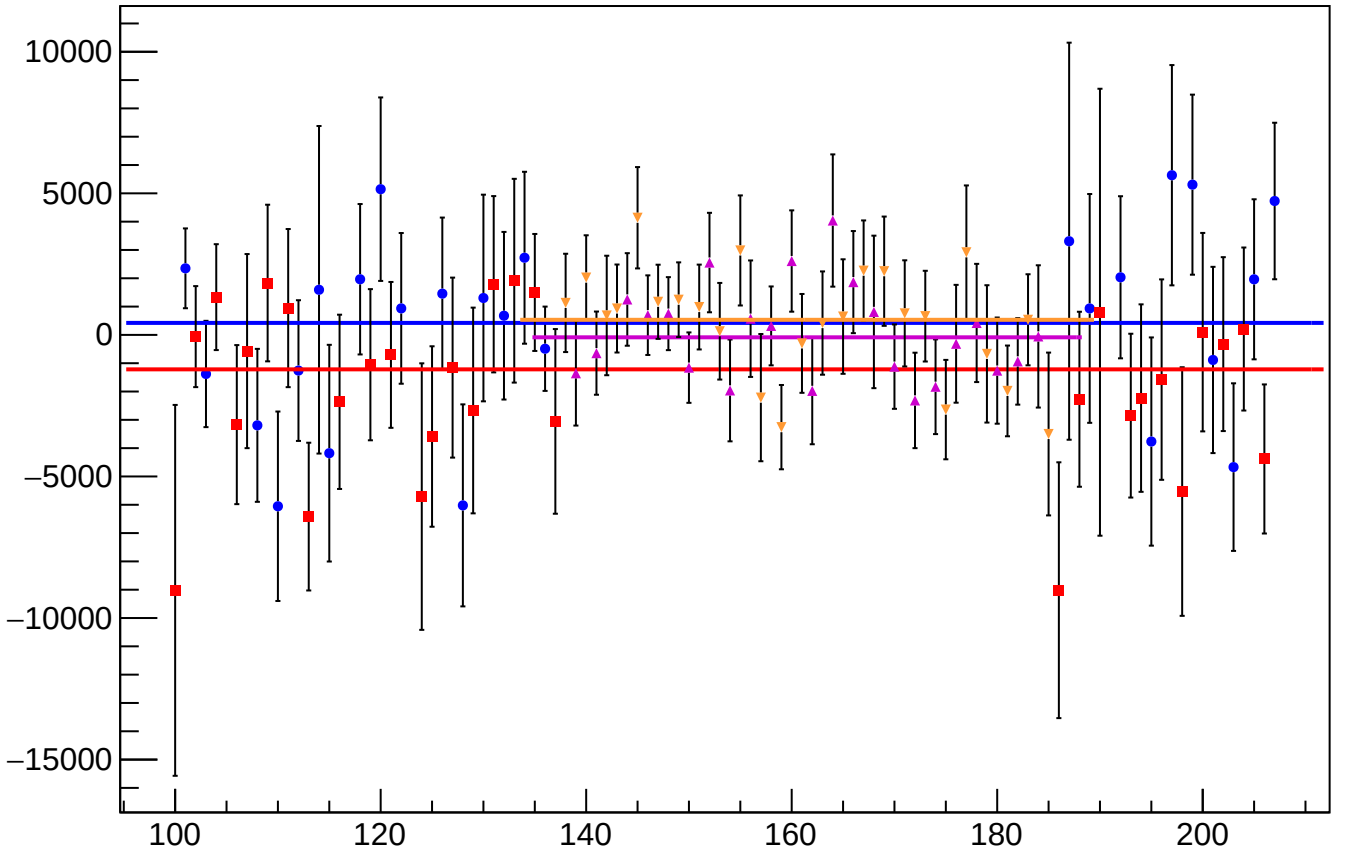
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1096.232+/-0.139 χ^2/NDF: 50569.0/55

In: 1092.587+/-0.134 χ^2/NDF:22430.0/48

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1094.578+/-0.093 χ^2/NDF: 58537.9/103



Right In: 423.766+/-532.799 χ^2/NDF: 29.0/25

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

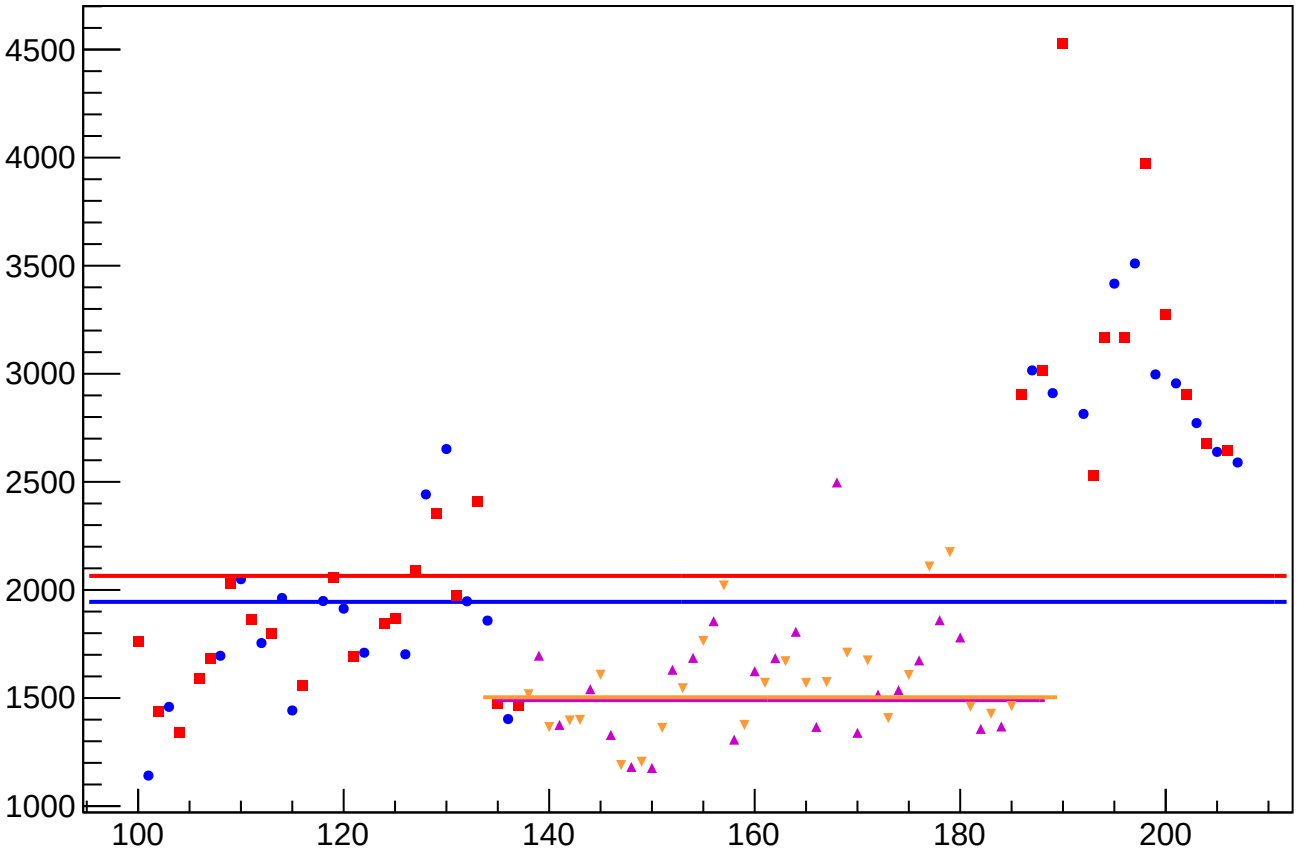
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -385.571+/-379.270 χ^2/NDF: 55.7/55

In: 70.542+/-294.813 χ^2/NDF:47.7/48

Out: 21.113+/-292.058 χ^2/NDF:55.9/54

All: 45.595+/-207.484 χ^2/NDF: 103.6/103



Right In: 1944.824+/-0.377 χ^2/NDF: 3045300.5/25

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

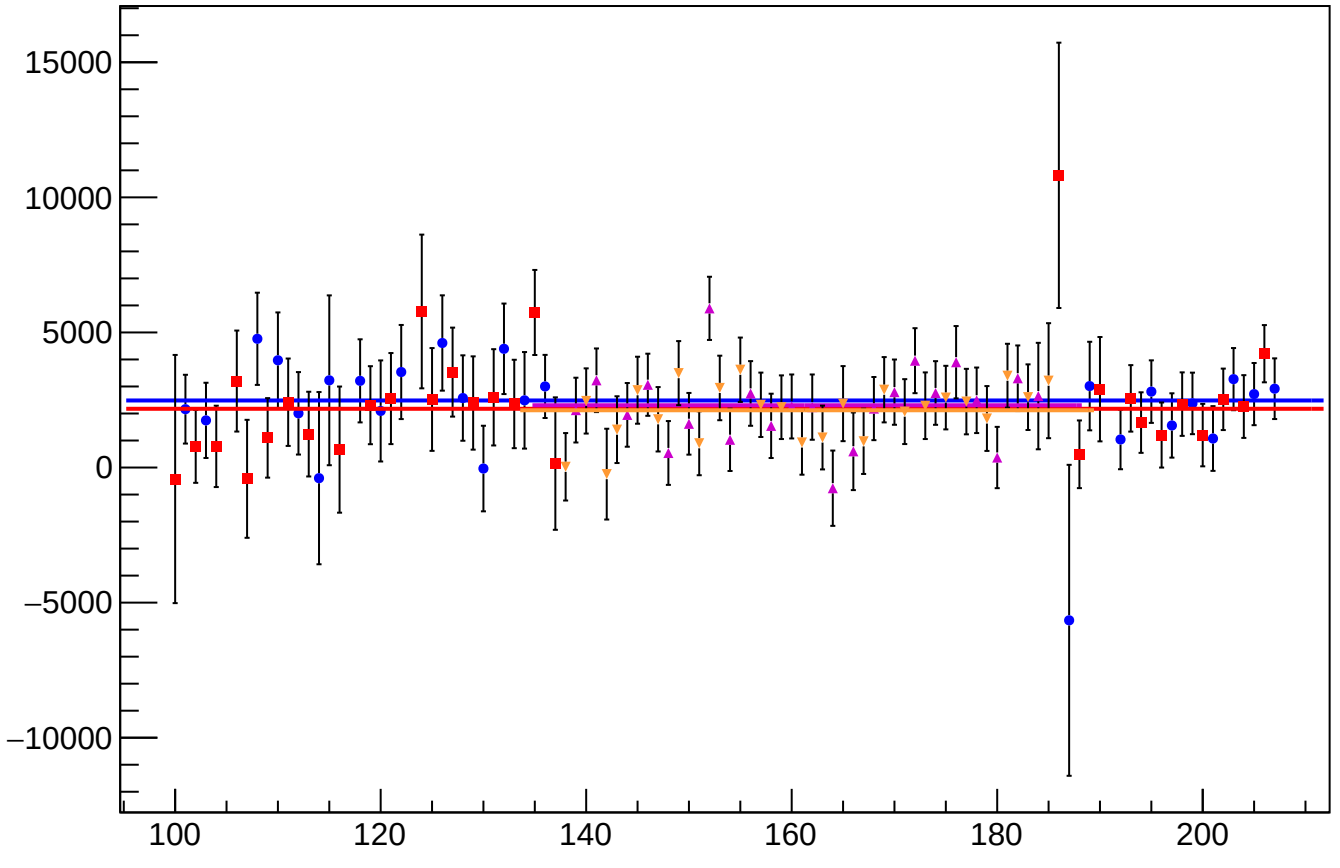
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 2004.109+/-0.268 χ^2/NDF: 6008094.1/55

In: 1629.473+/-0.208 χ^2/NDF:5023333.5/48

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1648.766+/-0.147 χ^2/NDF: 10282809.3/1



Right In: 2482.386+/-283.575 χ^2/NDF: 16.5/25

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

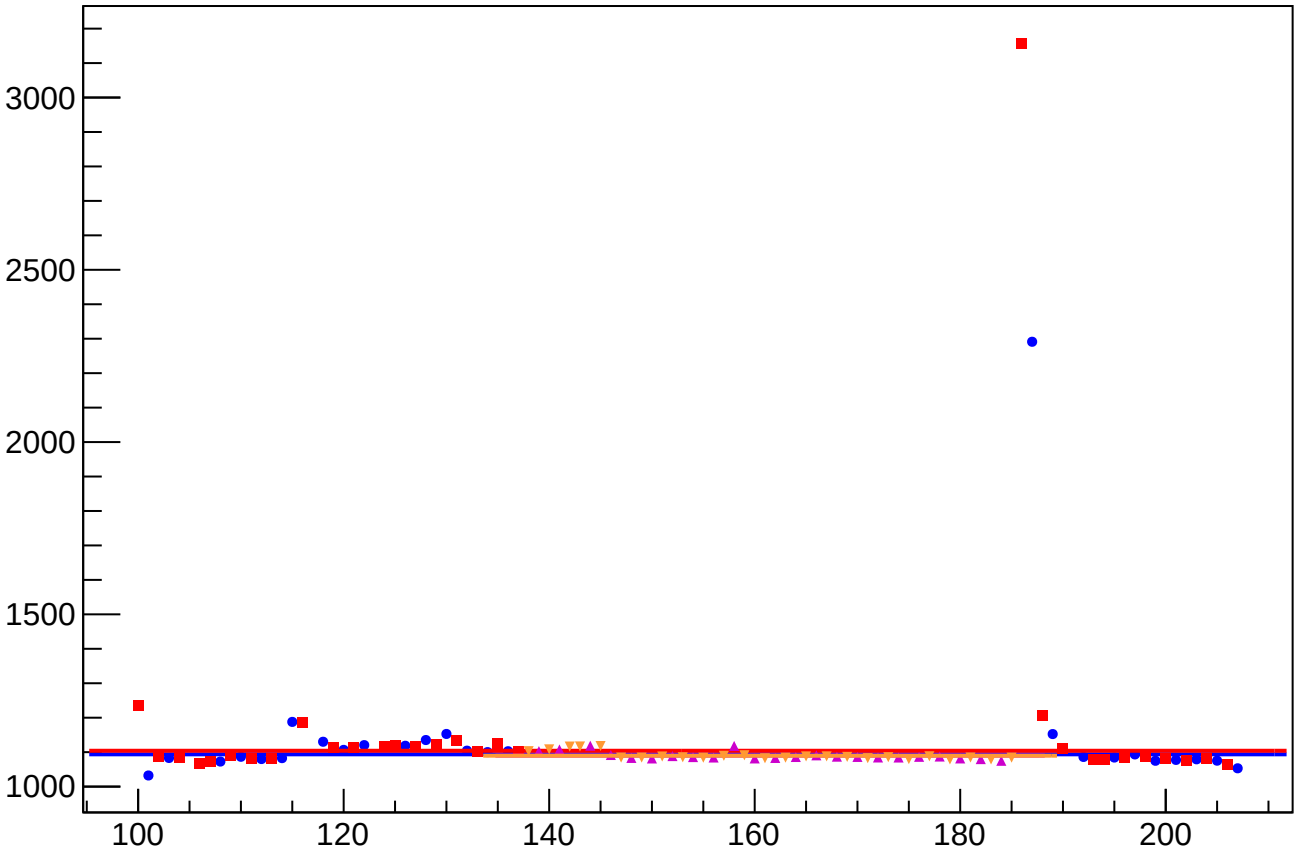
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2324.129+/-197.753 χ^2/NDF: 41.2/55

In: 2384.363+/-189.405 χ^2/NDF:45.2/48

Out: 2144.205+/-184.256 χ^2/NDF:39.2/54

All: 2260.975+/-132.072 χ^2/NDF: 85.2/103



Right In: 1093.713+/-0.201 χ^2/NDF: 107299.0/25

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

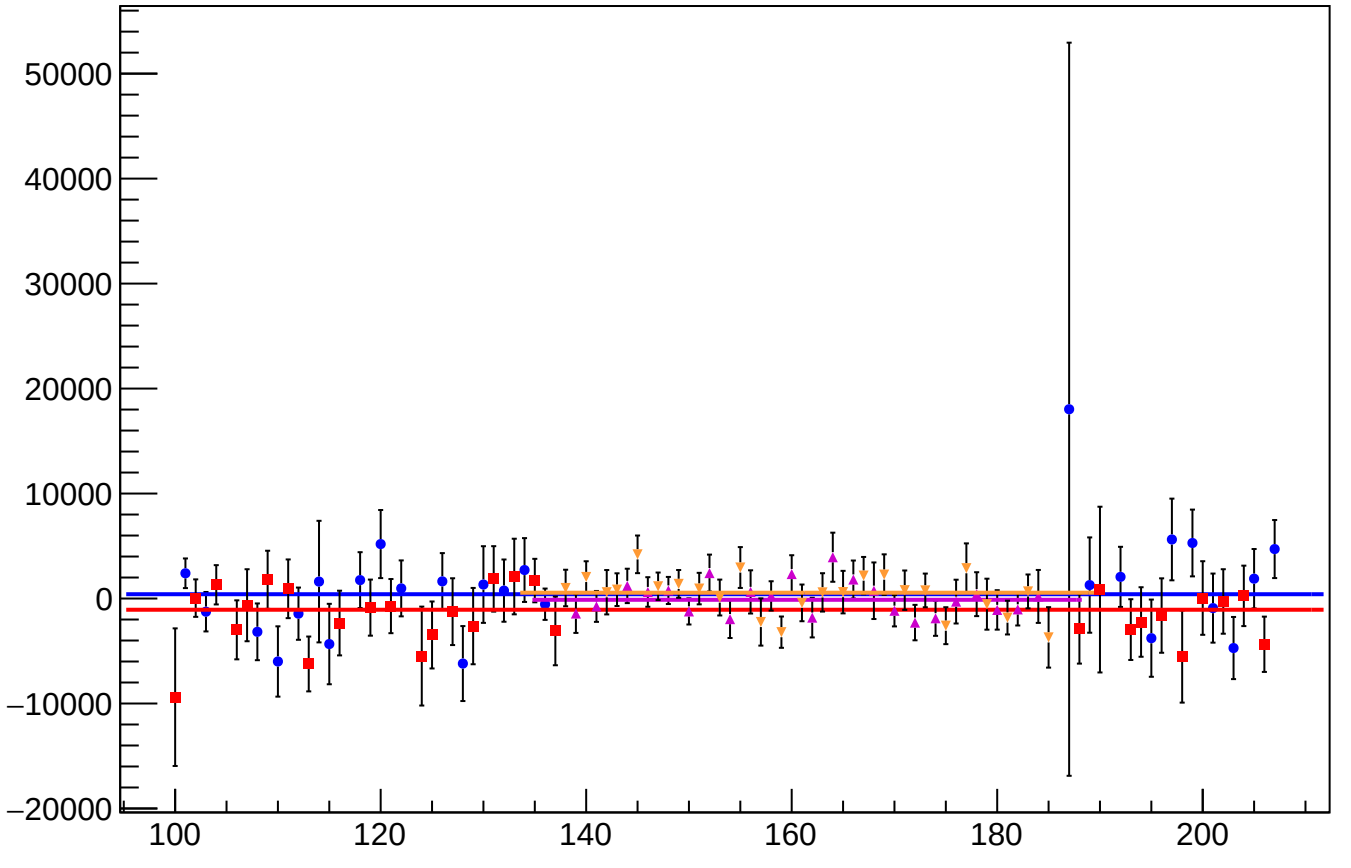
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1099.011+/-0.140 χ^2/NDF: 487810.2/55

In: 1091.637+/-0.134 χ^2/NDF:111388.6/48

Out: 1096.113+/-0.130 χ^2/NDF:386179.0/54

All: 1093.937+/-0.093 χ^2/NDF: 498141.6/103



Right In: 410.204+/-535.779 χ^2/NDF: 29.4/25

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

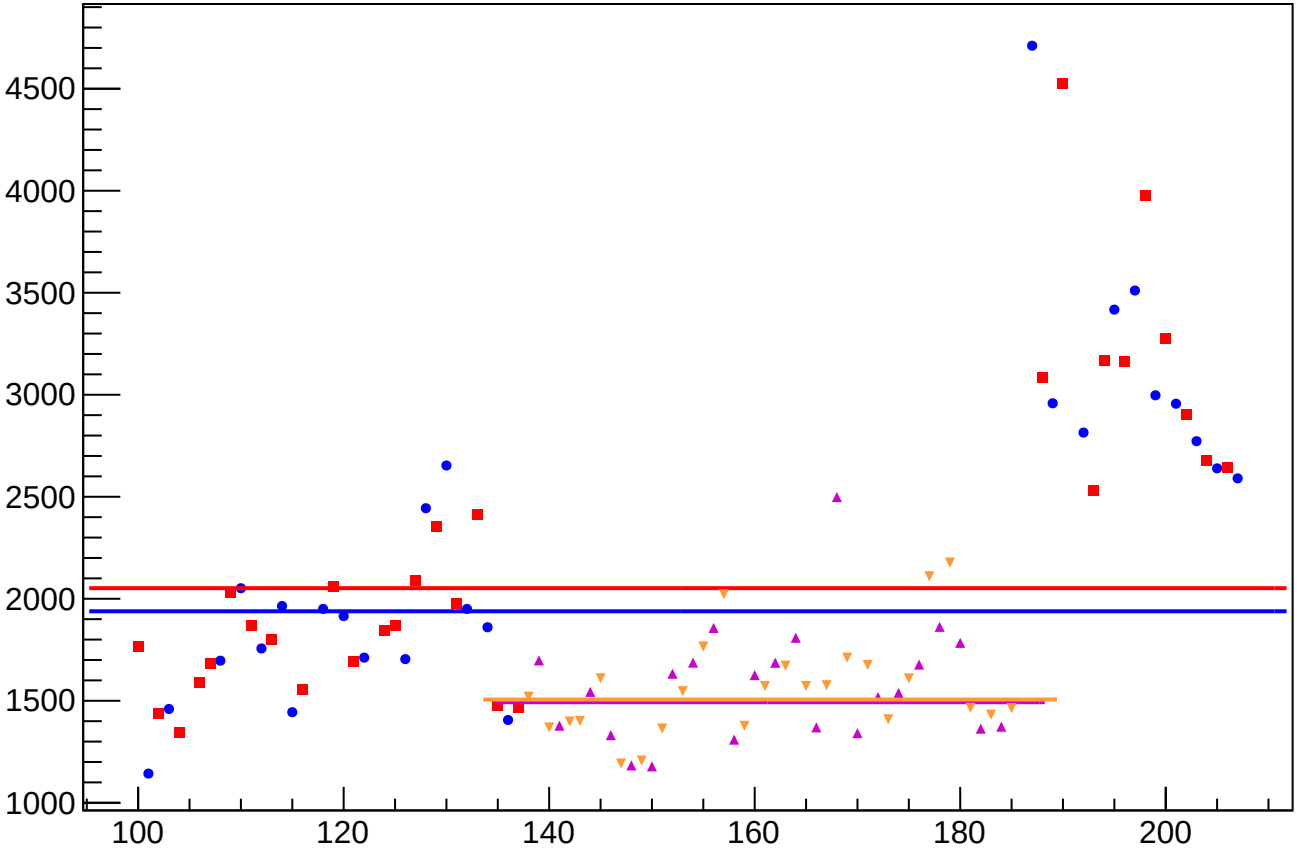
Right: -315.924+/-382.249 χ^2/NDF: 52.3/54

In: 40.477+/-295.668 χ^2/NDF:47.2/48

Out: 84.837+/-293.274 χ^2/NDF:51.6/53

All: 62.838+/-208.217 χ^2/NDF: 98.8/102

asym_usr_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 1938.661+/-0.379 χ^2/NDF: 2986513.7/25

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2051.976+/-0.386 χ^2/NDF: 2829809.8/28

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

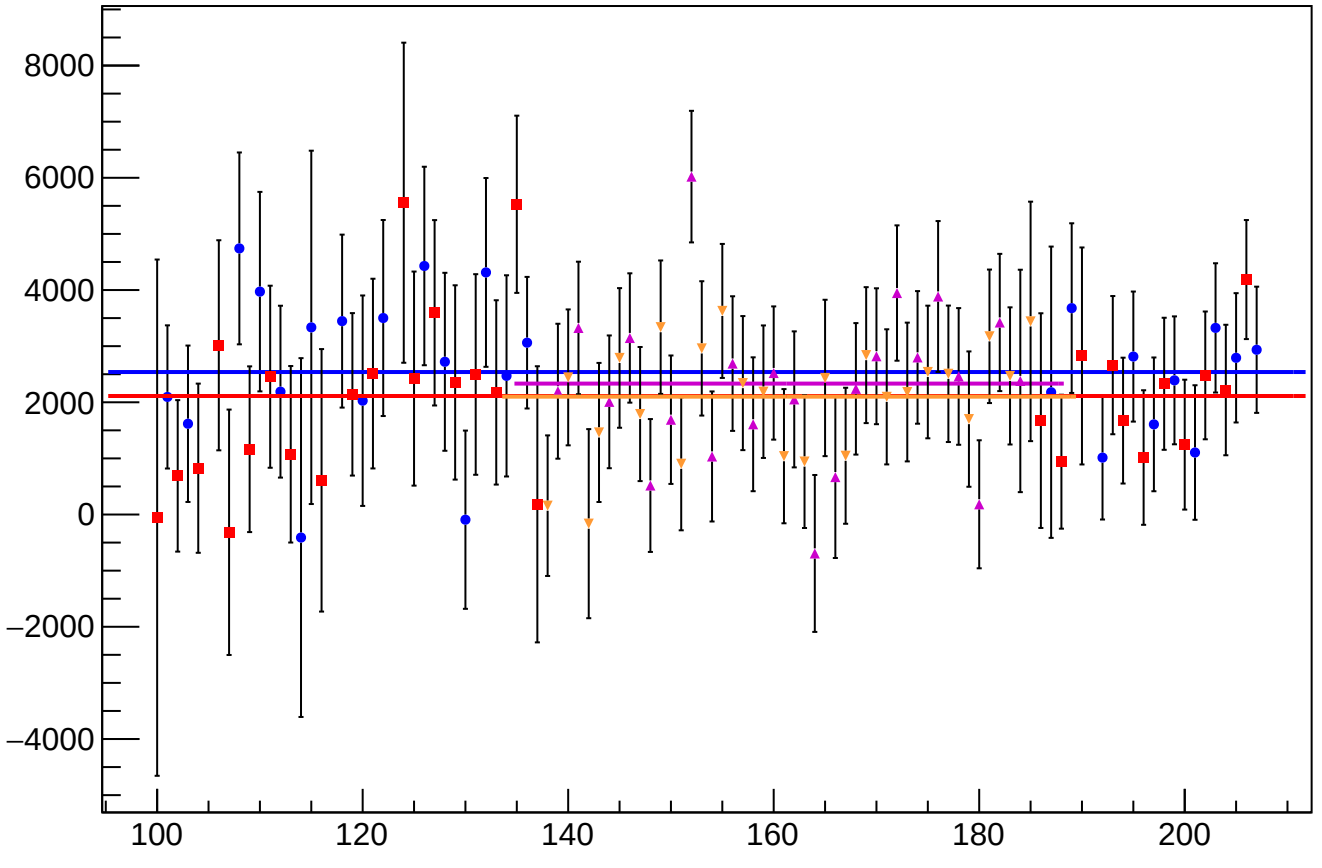
Left: 1499.665+/-0.176 χ^2/NDF: 1762156.9/47

Right: 1994.298+/-0.270 χ^2/NDF: 5860248.5/54

In: 1628.702+/-0.209 χ^2/NDF:4913346.3/48

Out: 1663.872+/-0.207 χ^2/NDF:5050025.4/53

All: 1646.430+/-0.147 χ^2/NDF: 9977636.2/10



Right In: 2539.016+/-281.997 χ^2/NDF: 15.0/25

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

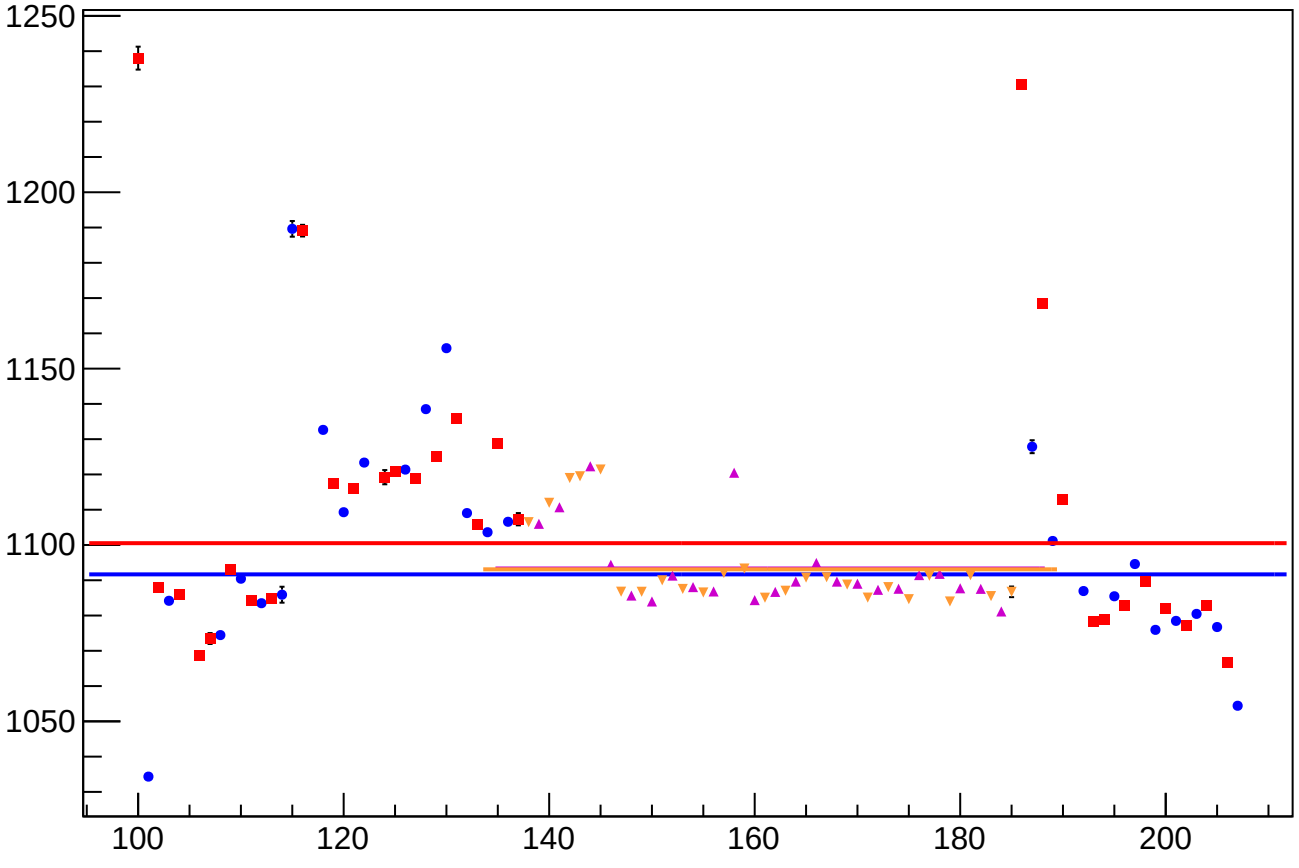
Right: 2318.681+/-196.222 χ^2/NDF: 35.6/55

In: 2425.766+/-189.254 χ^2/NDF:44.8/48

Out: 2105.583+/-183.755 χ^2/NDF:33.2/54

All: 2260.955+/-131.836 χ^2/NDF: 79.5/103

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1091.671+/-0.199 χ^2/NDF: 18665.8/25

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

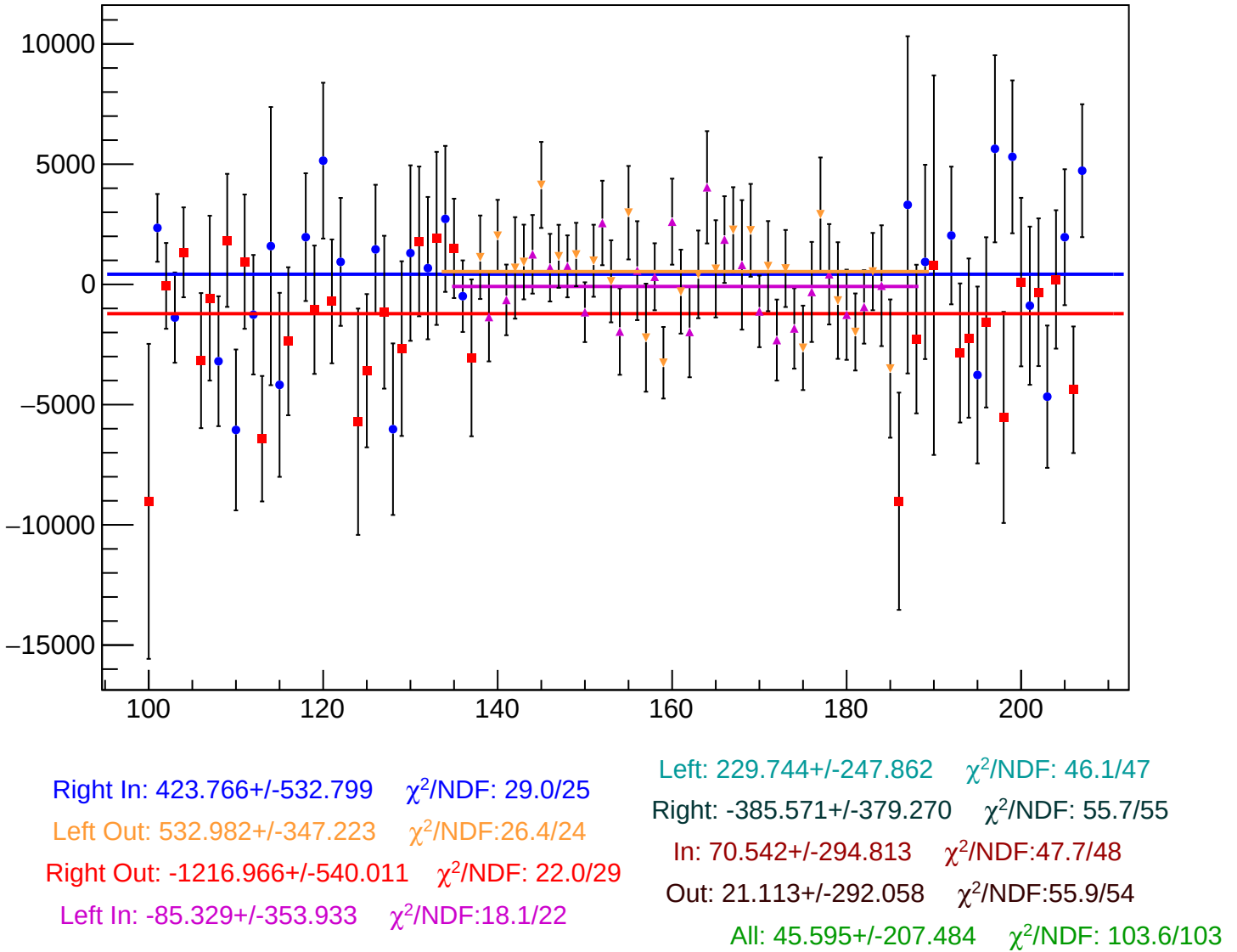
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

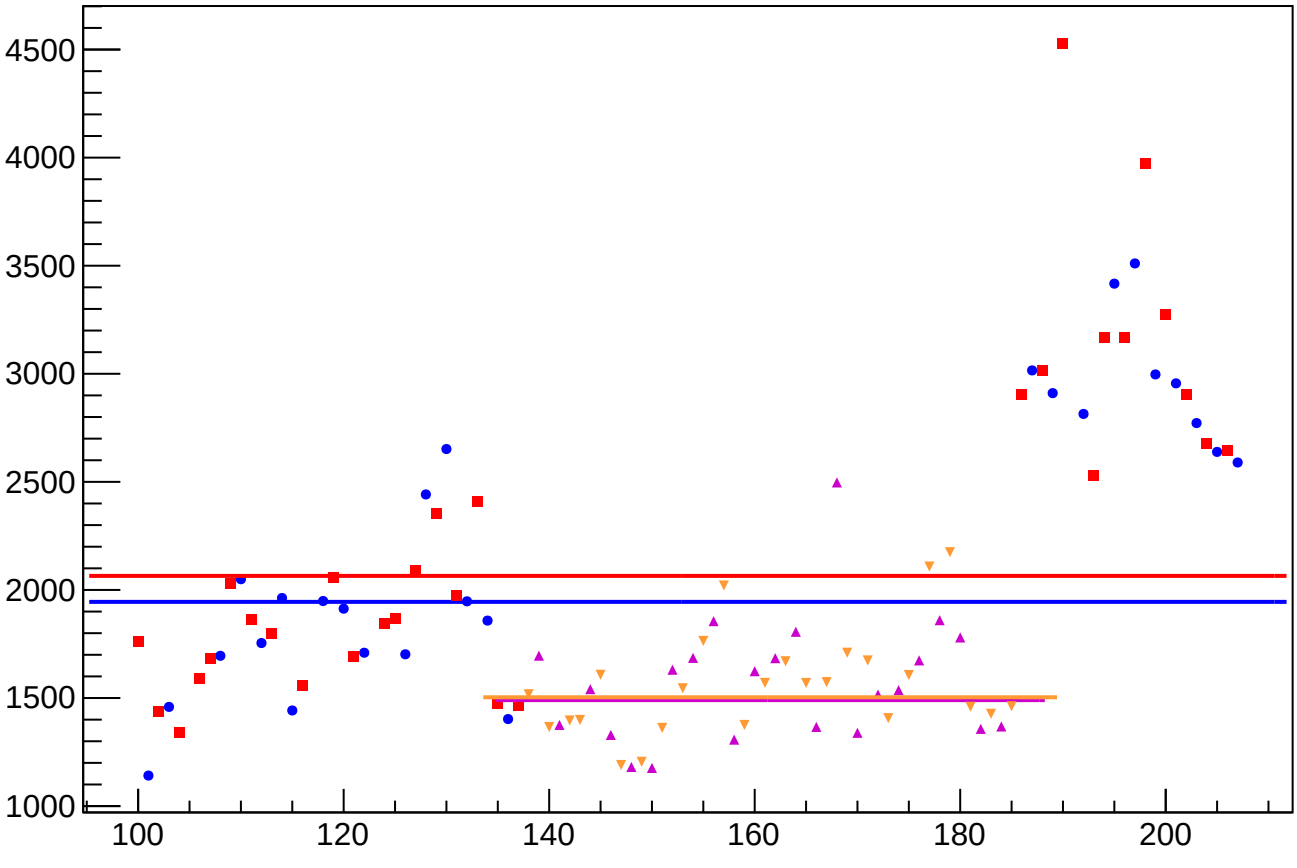
Right: 1096.232+/-0.139 χ^2/NDF: 50569.0/55

In: 1092.587+/-0.134 χ^2/NDF:22430.0/48

Out: 1096.455+/-0.130 χ^2/NDF:35677.9/54

All: 1094.578+/-0.093 χ^2/NDF: 58537.9/103


asym_usr_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 423.766+/-532.799 χ²/NDF: 29.0/25
Left Out: 532.982+/-347.223 χ²/NDF:26.4/24
Right Out: -1216.966+/-540.011 χ²/NDF: 22.0/29
Left In: -85.329+/-353.933 χ²/NDF:18.1/22
Left: 229.744+/-247.862 χ²/NDF: 46.1/47
Right: -385.571+/-379.270 χ²/NDF: 55.7/55
In: 70.542+/-294.813 χ²/NDF:47.7/48
Out: 21.113+/-292.058 χ²/NDF:55.9/54
All: 45.595+/-207.484 χ²/NDF: 103.6/103



Right In: 1944.824+/-0.377 χ^2/NDF: 3045300.5/25

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

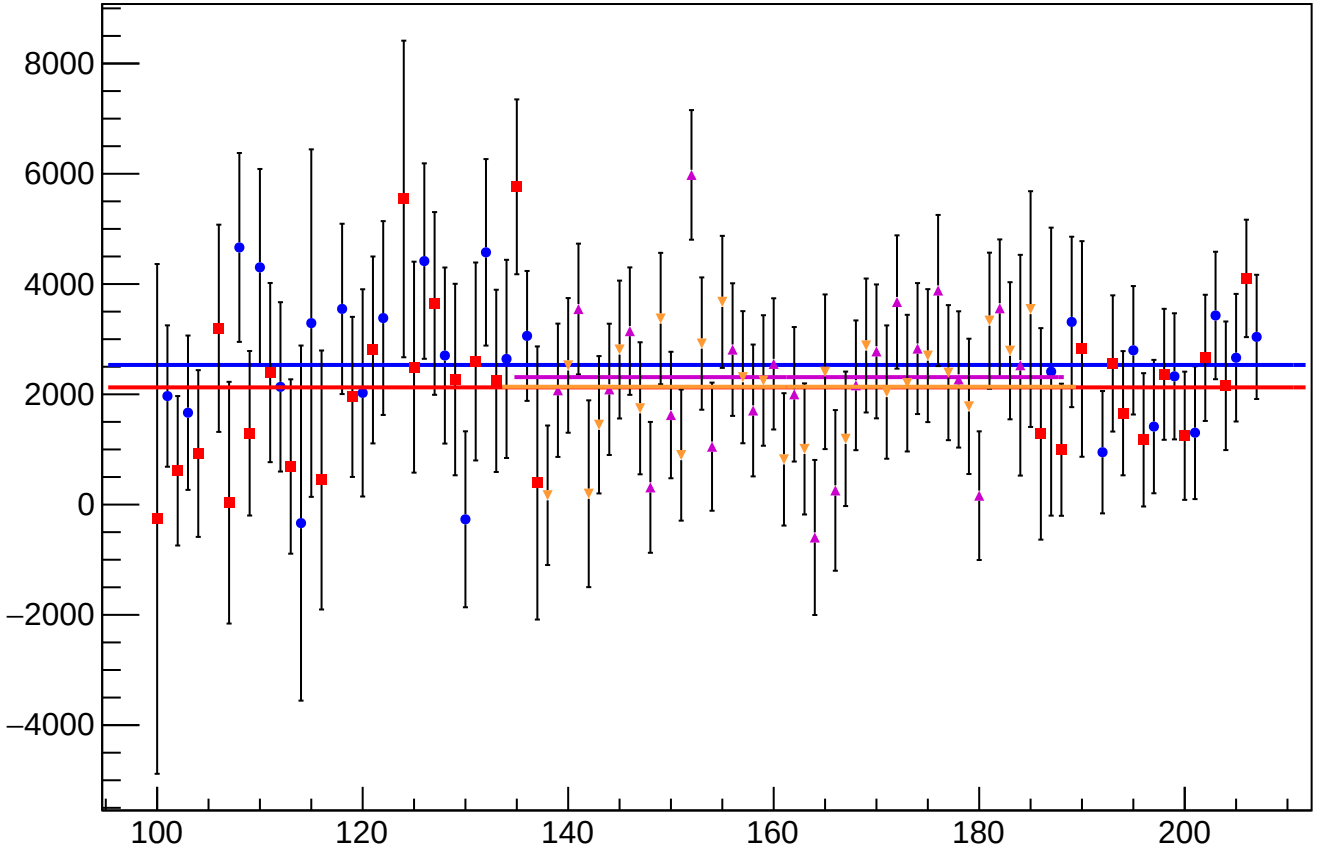
Right: 2004.109+/-0.268 χ^2/NDF: 6008094.1/55

In: 1629.473+/-0.208 χ^2/NDF:5023333.5/48

Out: 1667.700+/-0.207 χ^2/NDF:5242505.1/54

All: 1648.766+/-0.147 χ^2/NDF: 10282809.3/1

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2532.731+/-283.528 χ^2/NDF: 15.7/25

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

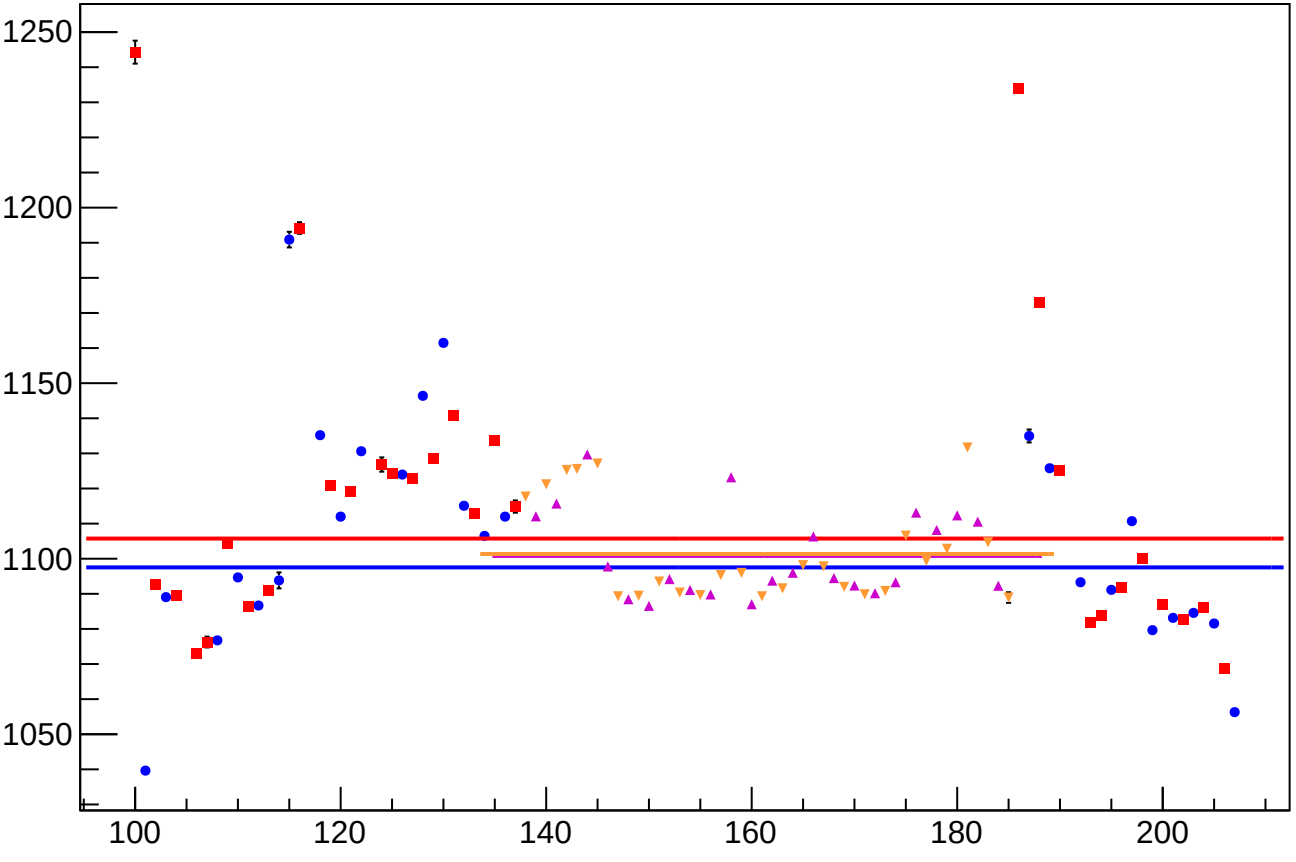
Right: 2322.841+/-197.235 χ^2/NDF: 36.6/55

In: 2411.442+/-190.431 χ^2/NDF:46.0/48

Out: 2132.123+/-184.928 χ^2/NDF:33.7/54

All: 2267.688+/-132.666 χ^2/NDF: 80.8/103

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.527+/-0.200 χ^2/NDF: 19912.3/25

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

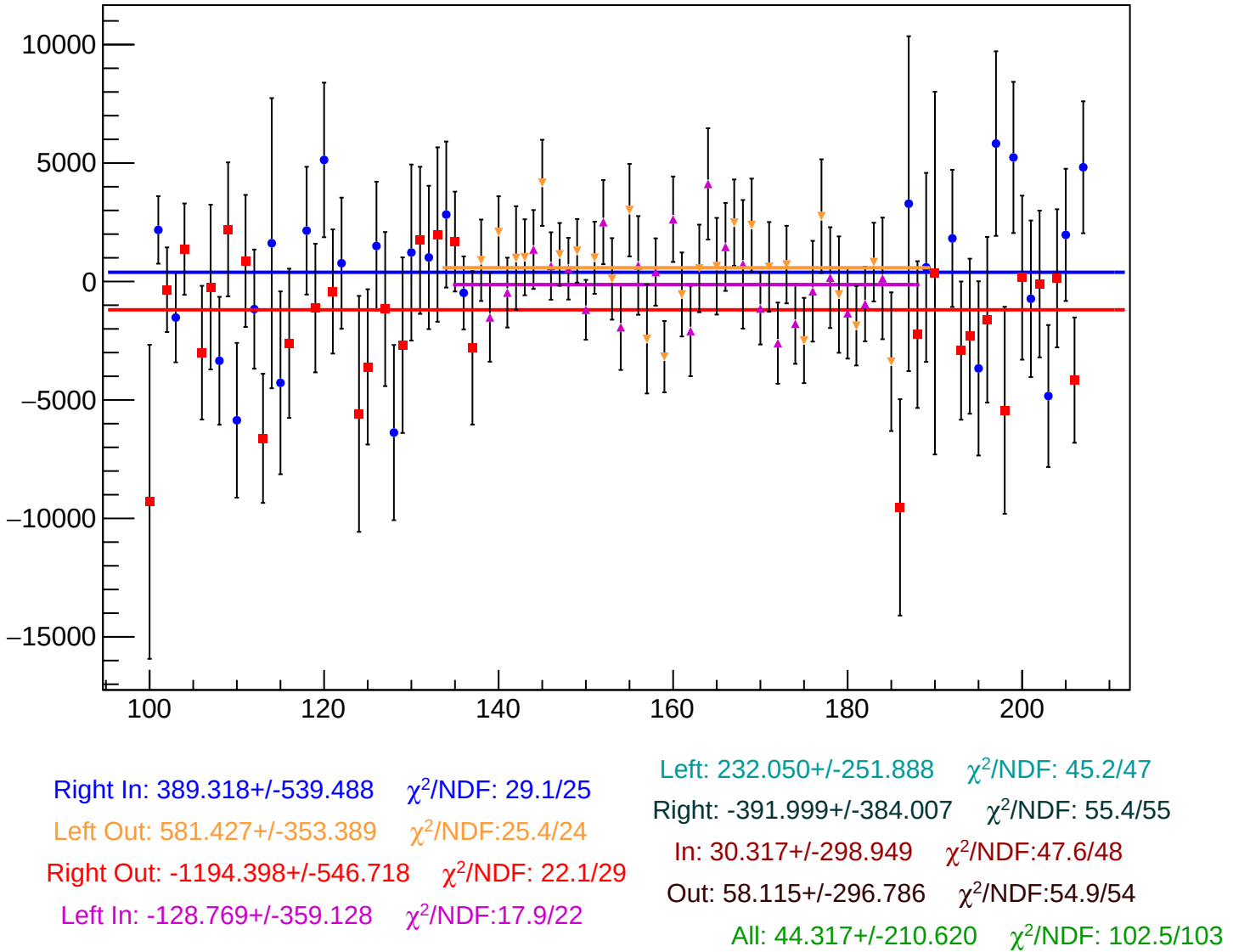
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1101.766+/-0.139 χ^2/NDF: 51487.8/55

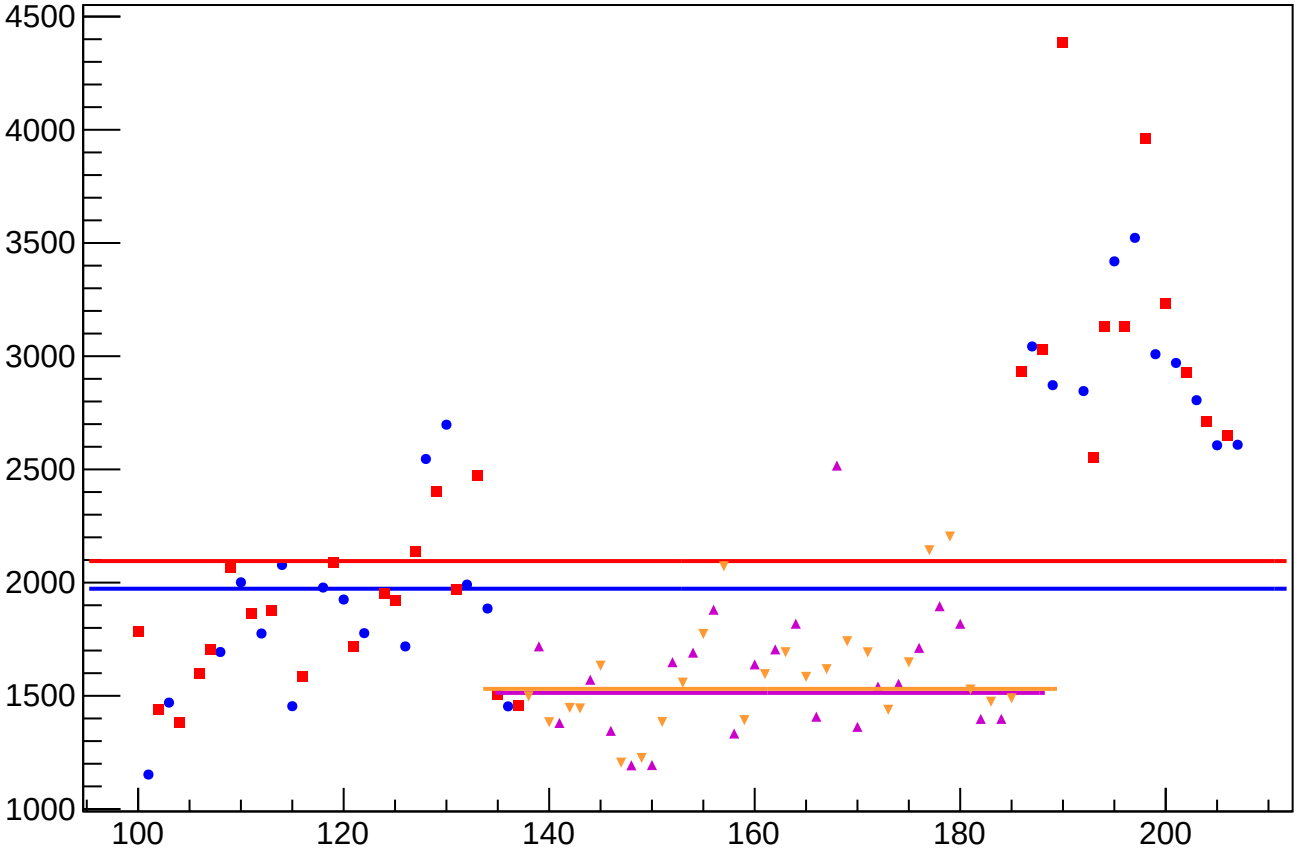
In: 1099.319+/-0.135 χ^2/NDF:24699.6/48

Out: 1103.344+/-0.131 χ^2/NDF:36939.0/54

All: 1101.391+/-0.094 χ^2/NDF: 62098.3/103


asym_usr_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 389.318+/-539.488 χ²/NDF: 29.1/25
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: -391.999+/-384.007 χ²/NDF: 55.4/55
In: 30.317+/-298.949 χ²/NDF:47.6/48
Out: 58.115+/-296.786 χ²/NDF:54.9/54
All: 44.317+/-210.620 χ²/NDF: 102.5/103

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1973.051+/-0.381 χ^2/NDF: 2968500.7/25

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

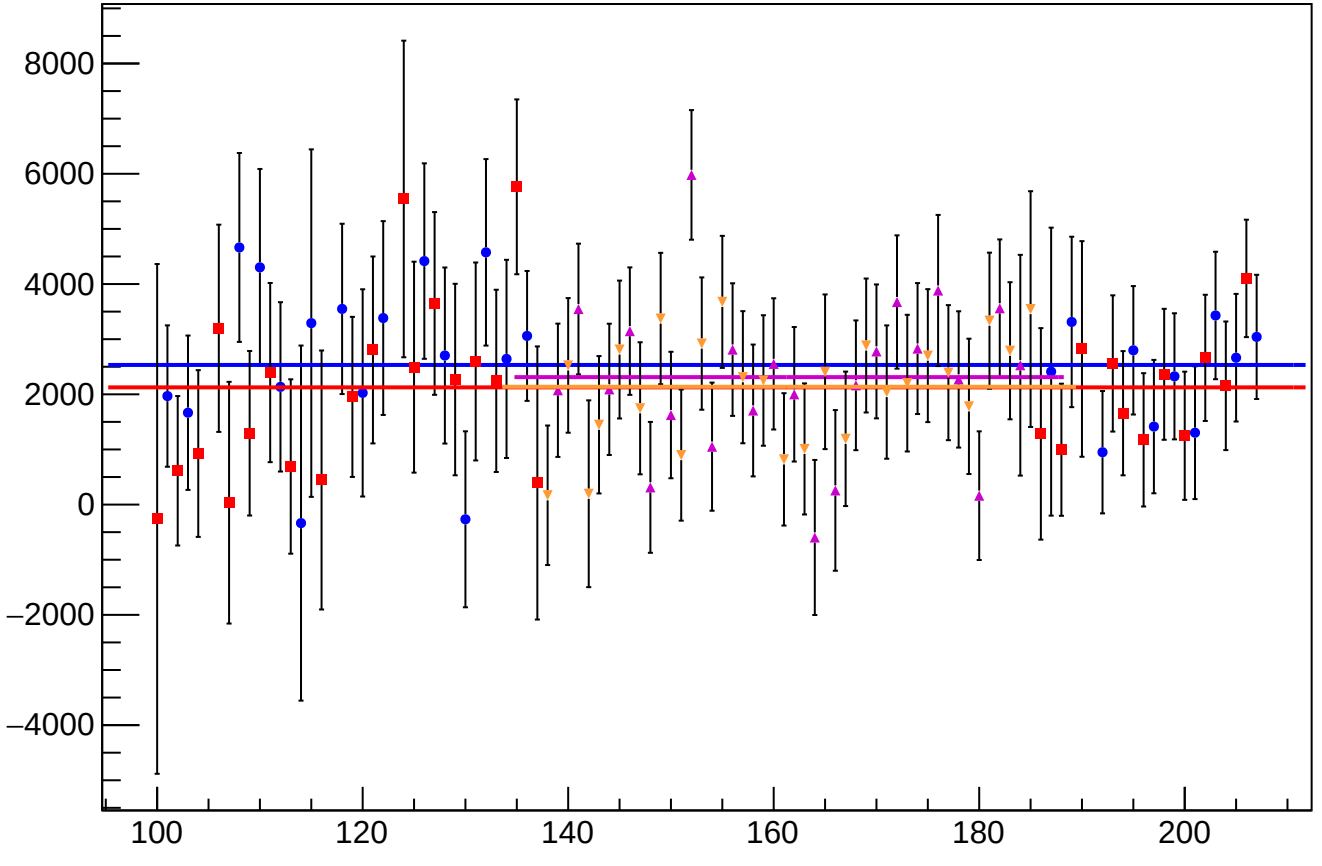
Right: 2033.269+/-0.272 χ^2/NDF: 5811099.8/55

In: 1654.228+/-0.211 χ^2/NDF:4933586.3/48

Out: 1697.070+/-0.210 χ^2/NDF:5090788.6/54

All: 1675.805+/-0.149 χ^2/NDF: 10045061.0/1

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2532.731+/-283.528 χ^2/NDF: 15.7/25

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

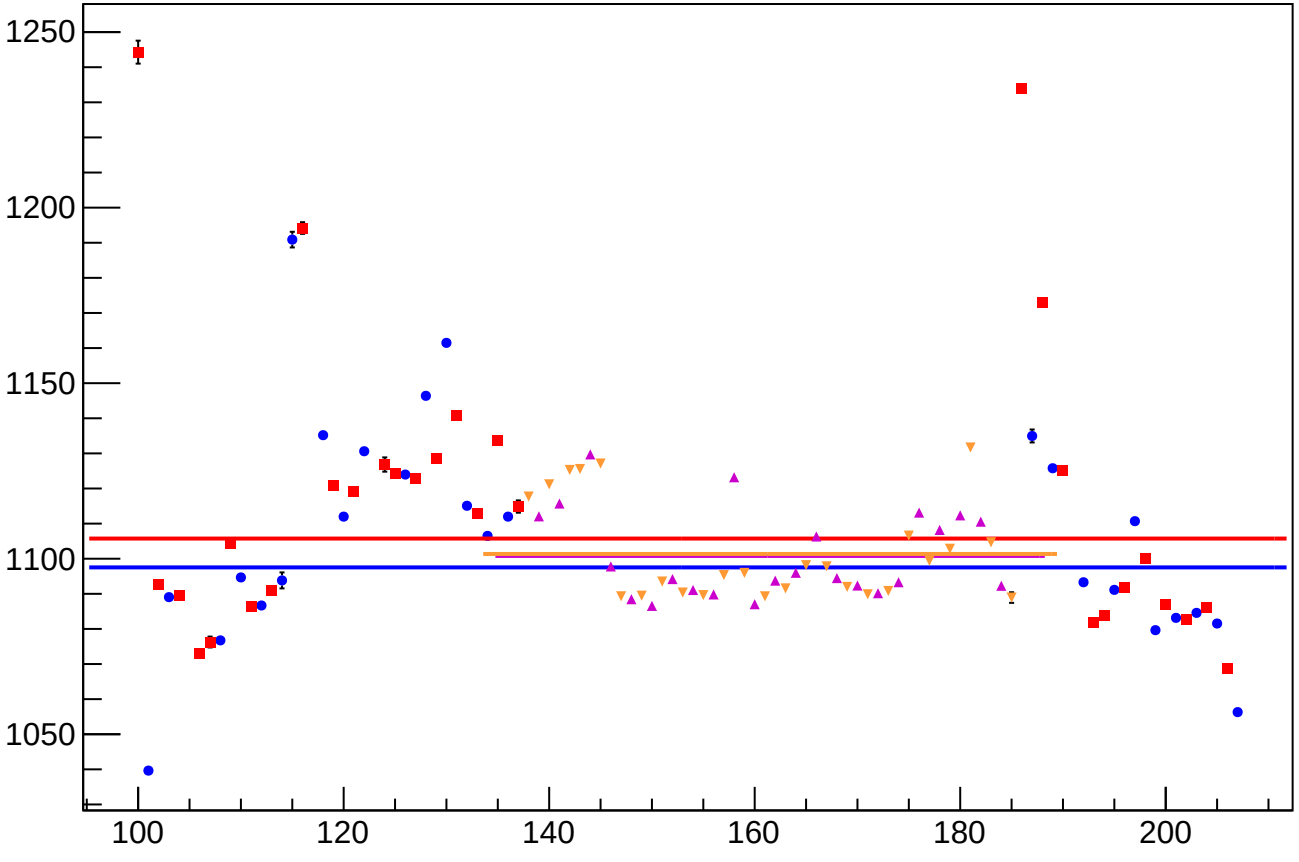
Right: 2322.839+/-197.235 χ^2/NDF: 36.6/55

In: 2411.442+/-190.431 χ^2/NDF:46.0/48

Out: 2132.120+/-184.928 χ^2/NDF:33.7/54

All: 2267.687+/-132.666 χ^2/NDF: 80.8/103

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1097.527+/-0.200 χ^2/NDF: 19912.1/25

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

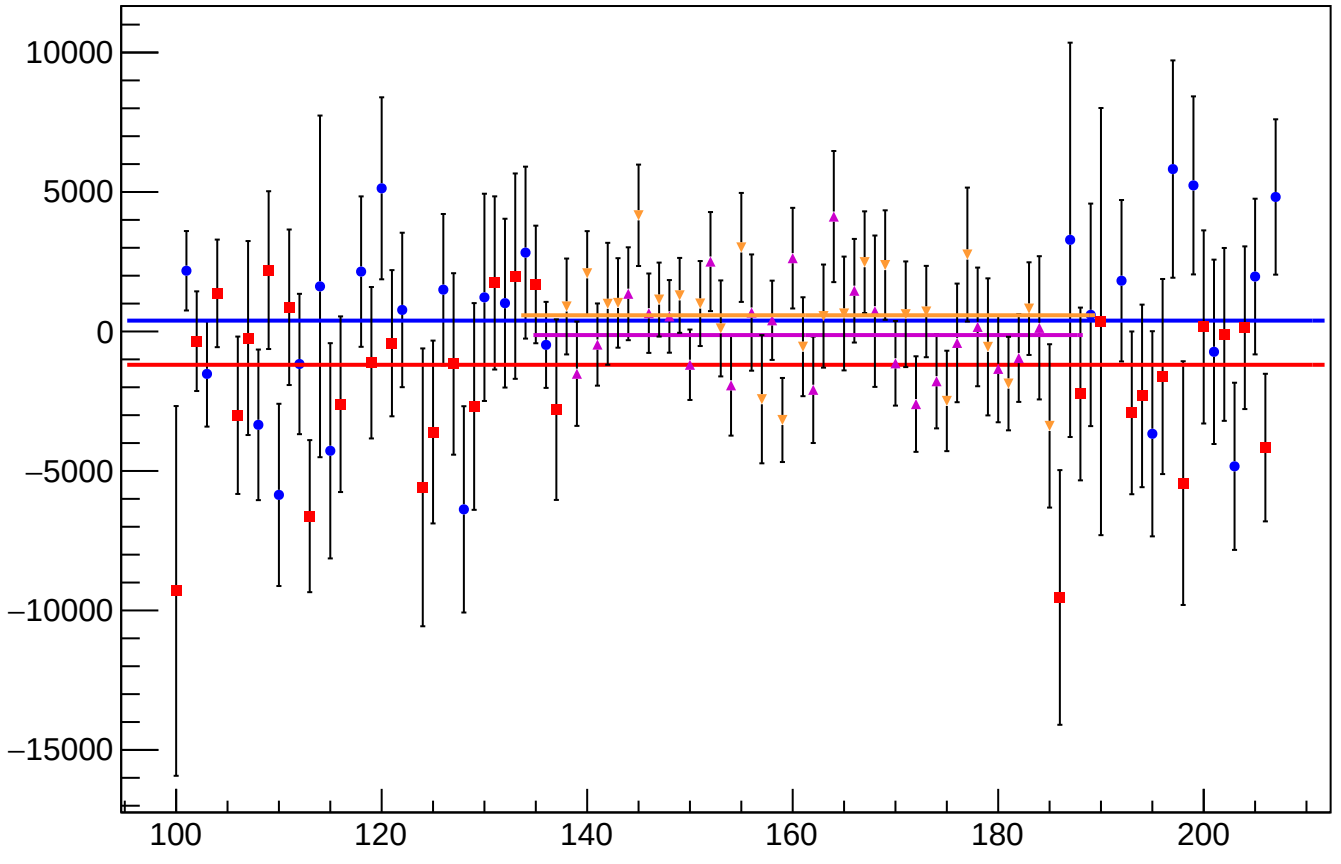
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1101.766+/-0.139 χ^2/NDF: 51487.6/55

In: 1099.319+/-0.135 χ^2/NDF:24699.5/48

Out: 1103.344+/-0.131 χ^2/NDF:36938.9/54

All: 1101.391+/-0.094 χ^2/NDF: 62098.0/103



Right In: 389.314+/-539.488 χ^2/NDF: 29.1/25

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

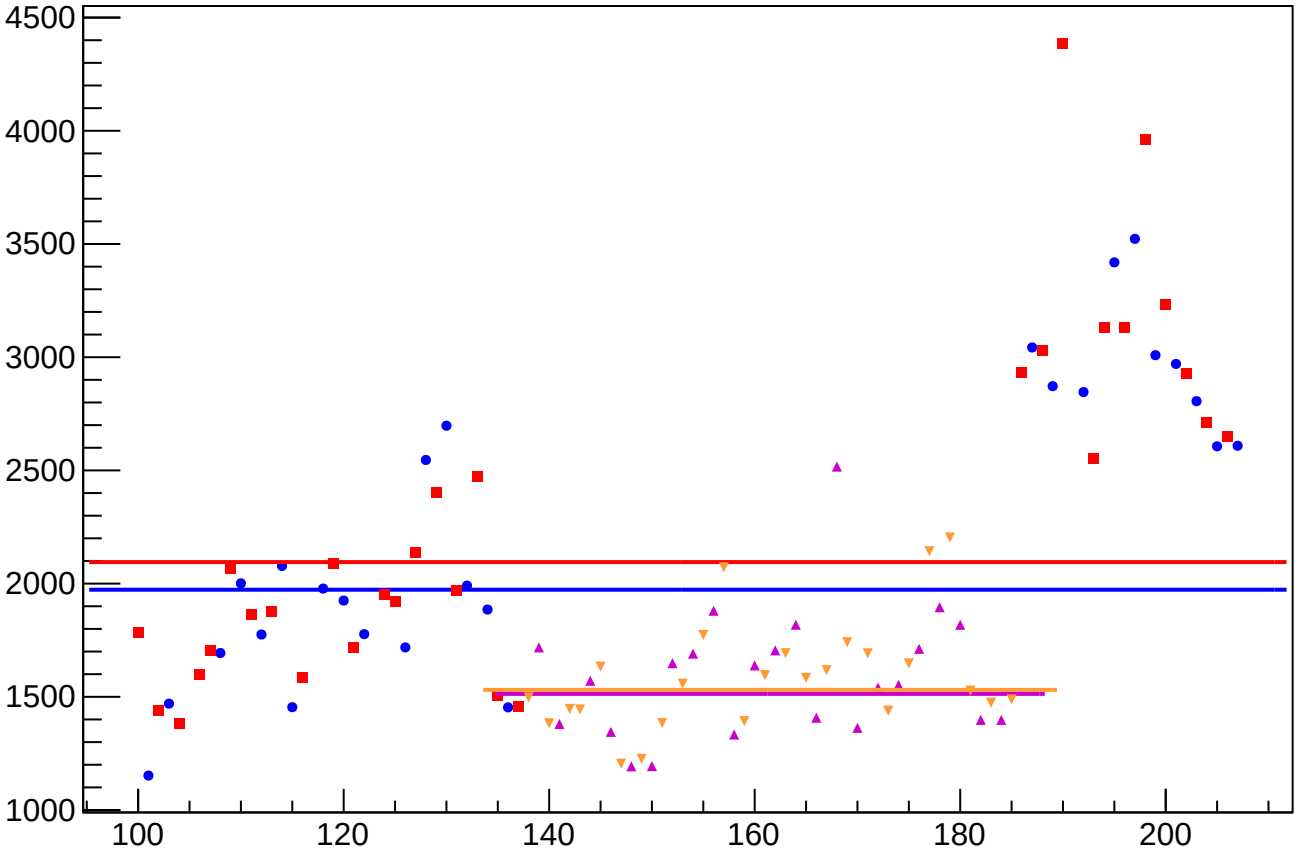
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -392.002+/-384.006 χ^2/NDF: 55.4/55

In: 30.316+/-298.949 χ^2/NDF:47.6/48

Out: 58.111+/-296.787 χ^2/NDF:54.9/54

All: 44.315+/-210.620 χ^2/NDF: 102.5/103



Right In: 1973.050+/-0.381 χ^2/NDF: 2968507.4/25

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

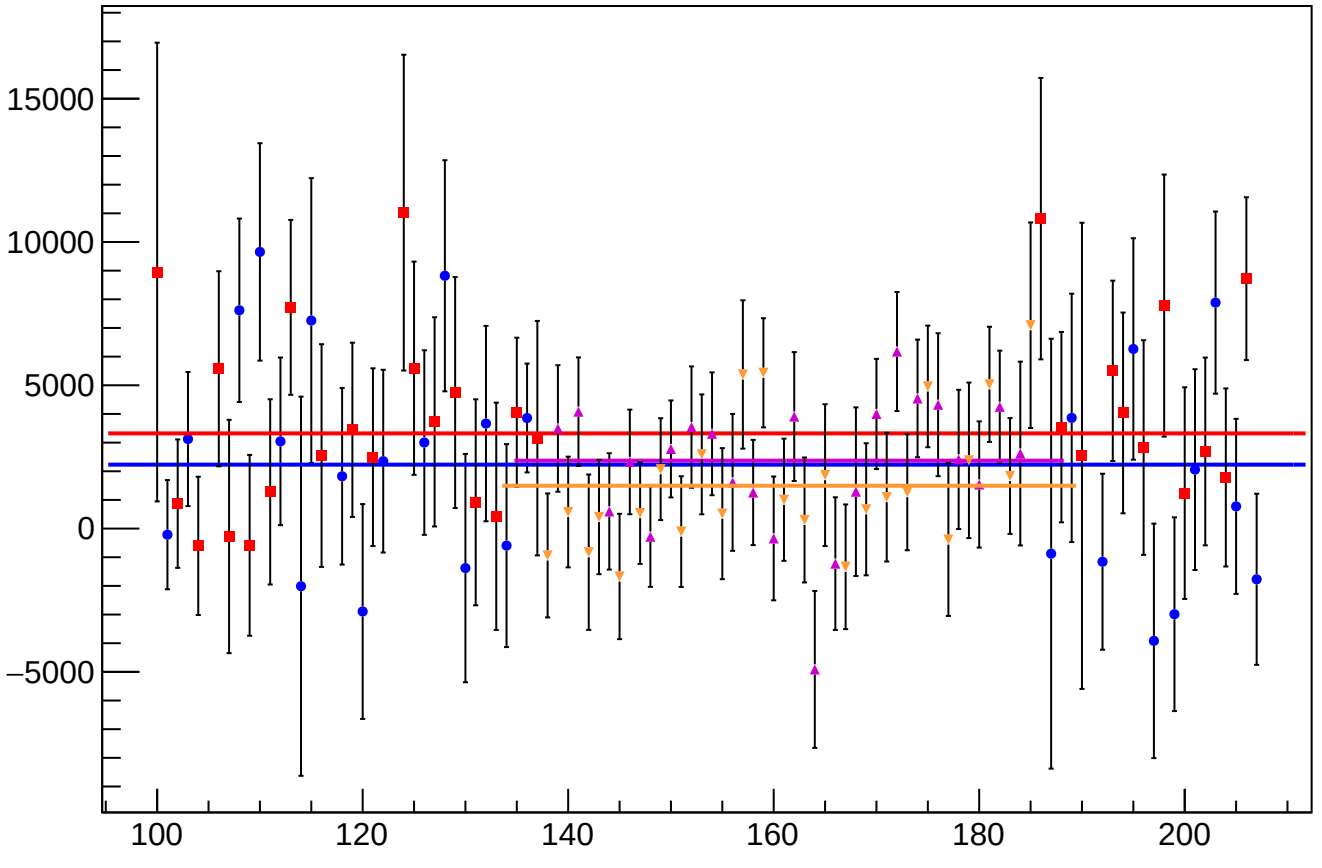
Left: 1522.003+/-0.178 χ^2/NDF: 1755204.7/47

Right: 2033.267+/-0.272 χ^2/NDF: 5811105.0/55

In: 1654.231+/-0.211 χ^2/NDF:4933574.2/48

Out: 1697.073+/-0.210 χ^2/NDF:5090761.9/54

All: 1675.807+/-0.149 χ^2/NDF: 10045022.5/1



Right In: 2230.725+/-627.971 χ^2/NDF: 29.4/25

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

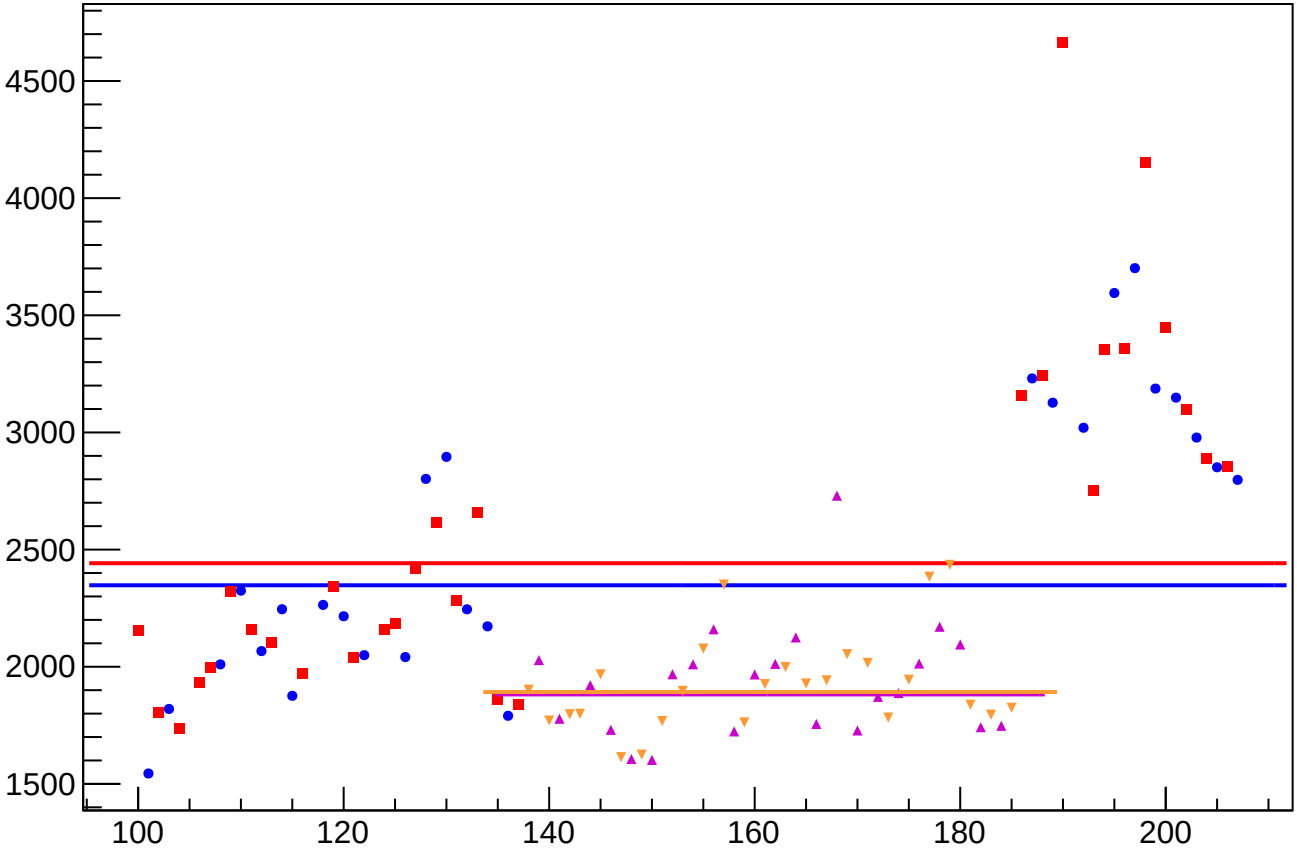
Right: 2777.634+/-443.498 χ^2/NDF: 52.2/55

In: 2324.190+/-361.965 χ^2/NDF:53.1/48

Out: 2086.018+/-356.300 χ^2/NDF:50.8/54

All: 2203.226+/-253.921 χ^2/NDF: 104.1/103

asym_usr_rms vs Slug, Sign Corrected



Right In: 2347.734+/-0.444 χ^2/NDF: 1820291.2/25

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

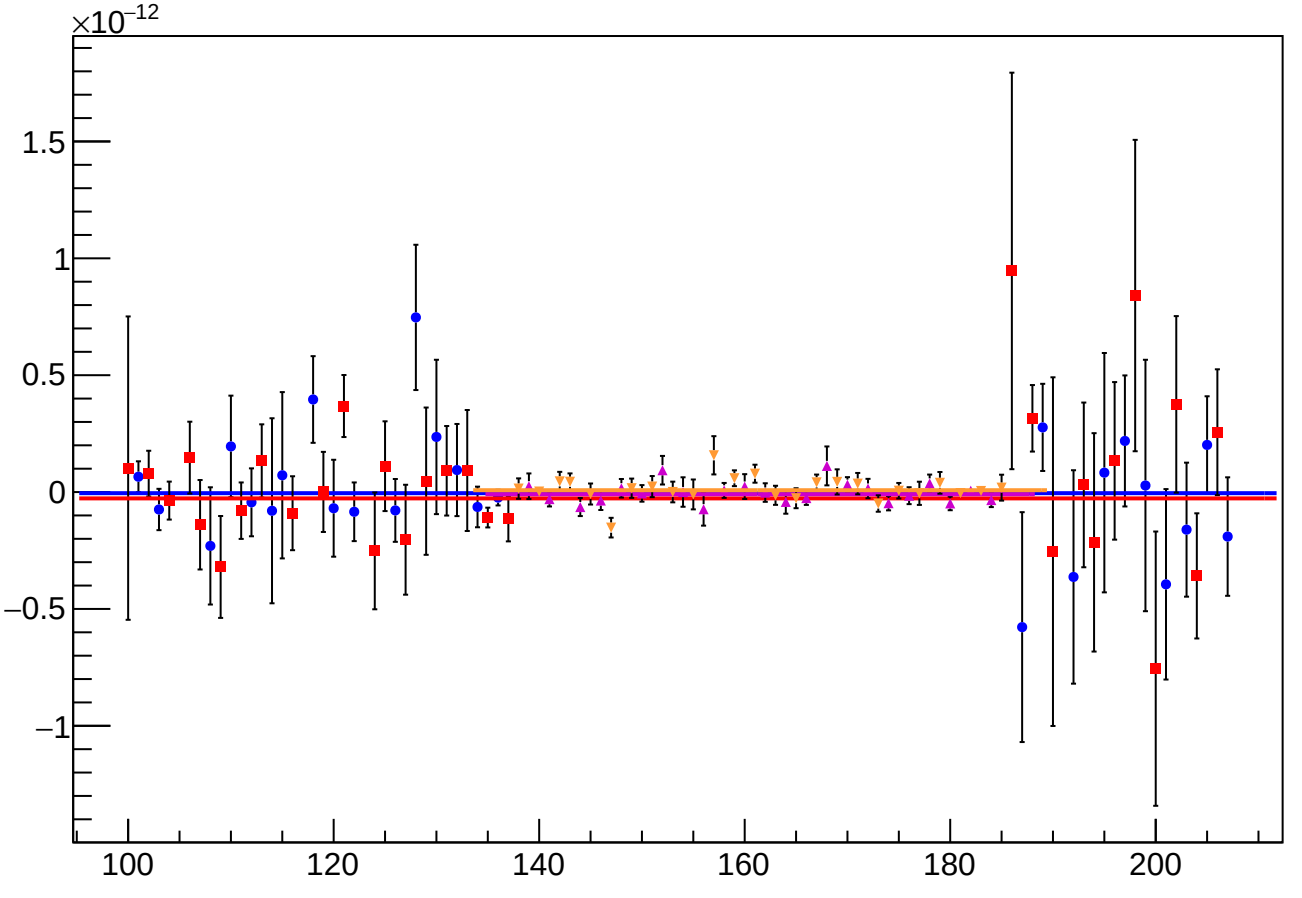
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2394.929+/-0.314 χ^2/NDF: 3702737.9/55

In: 2036.664+/-0.256 χ^2/NDF:3017883.5/48

Out: 2069.973+/-0.252 χ^2/NDF:3291673.9/54

All: 2053.581+/-0.180 χ^2/NDF: 6318159.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/25

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

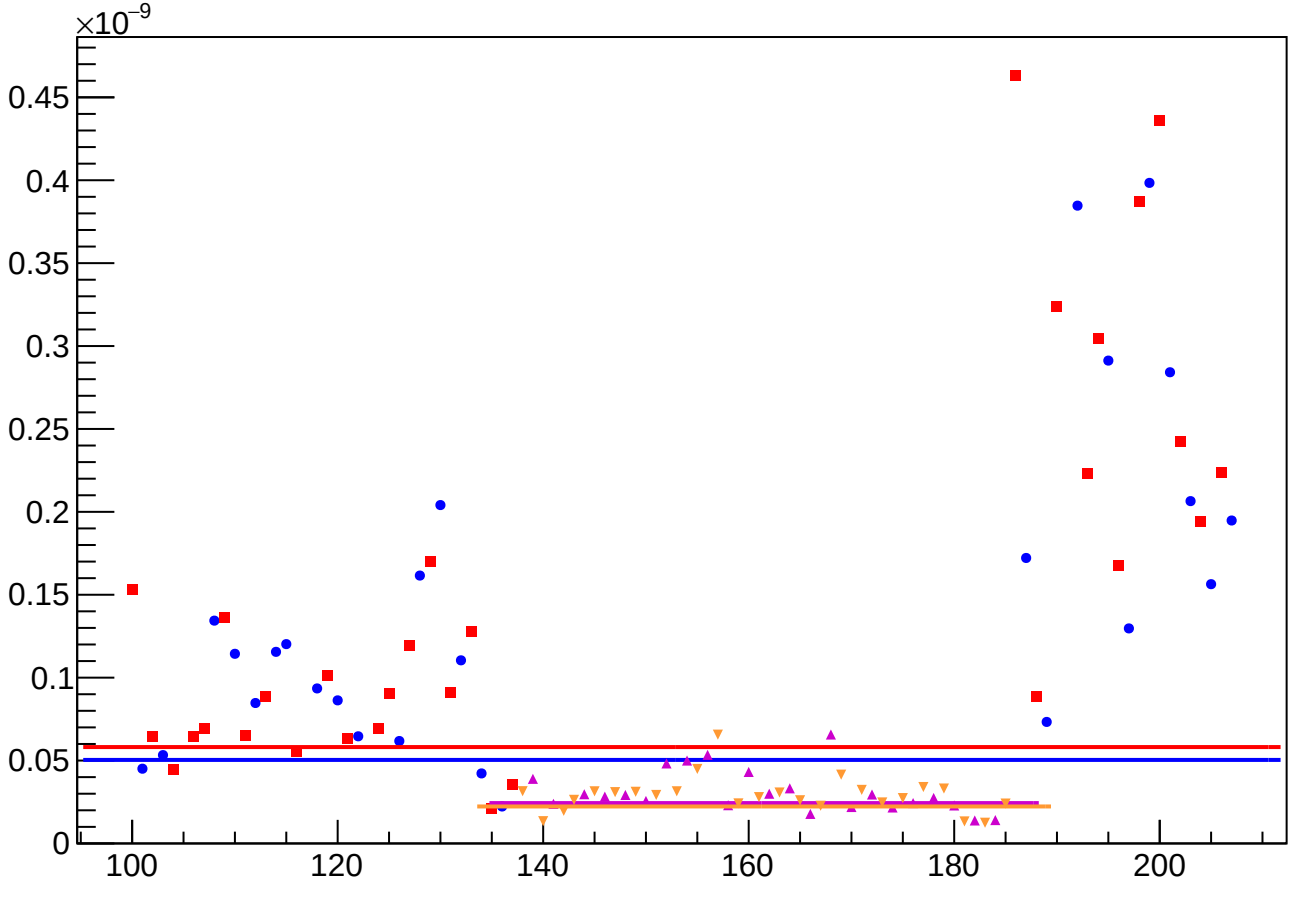
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.3/55

In: -0.000+/-0.000 χ^2/NDF:43.2/48

Out: 0.000+/-0.000 χ^2/NDF:70.8/54

All: -0.000+/-0.000 χ^2/NDF: 116.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 8246366.3/25

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

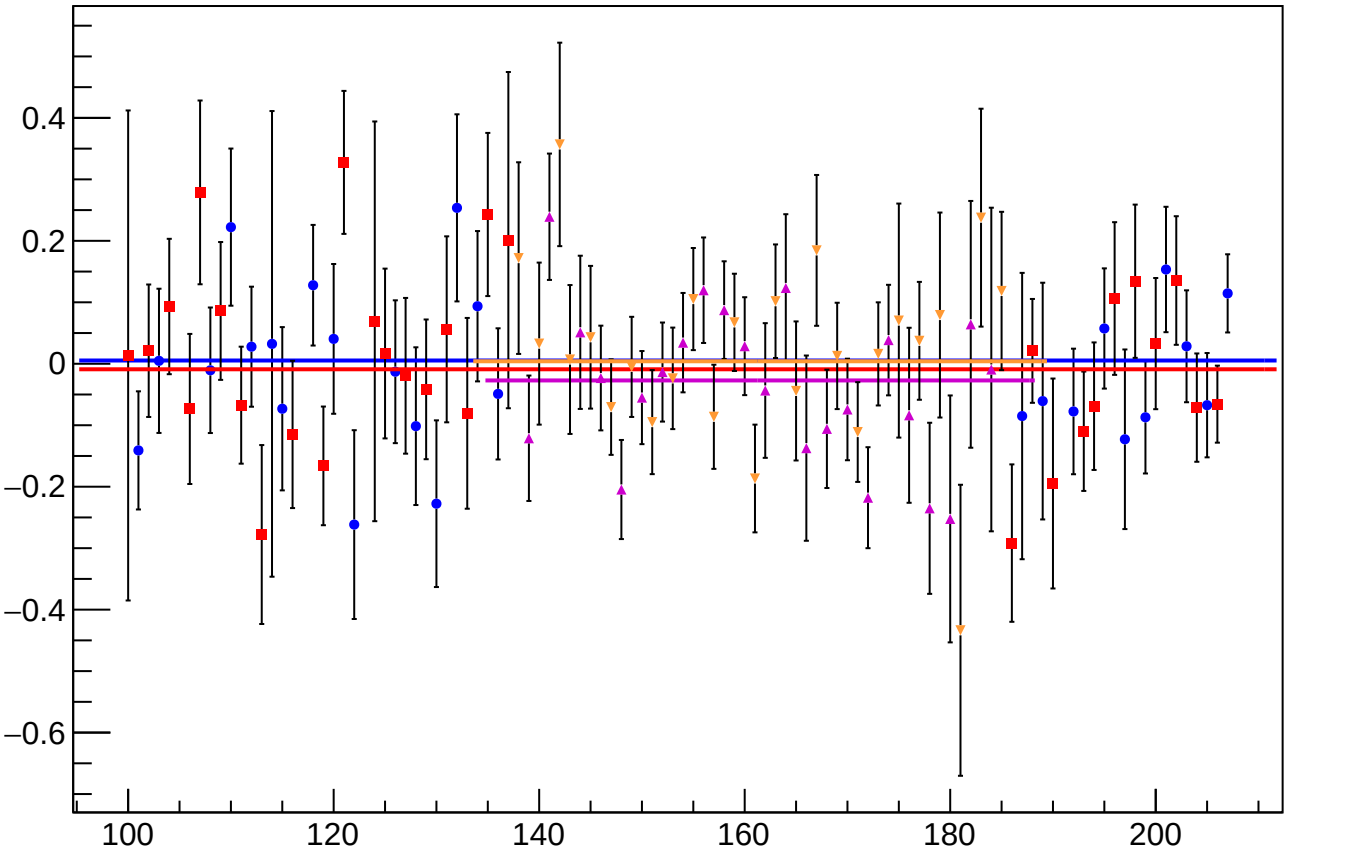
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 16285293.7/55

In: 0.000+/-0.000 χ^2/NDF:13597345.4/48

Out: 0.000+/-0.000 χ^2/NDF:15130048.0/54

All: 0.000+/-0.000 χ^2/NDF: 28819355.5/103



Right In: 0.005+/-0.022 χ^2/NDF: 26.3/25

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

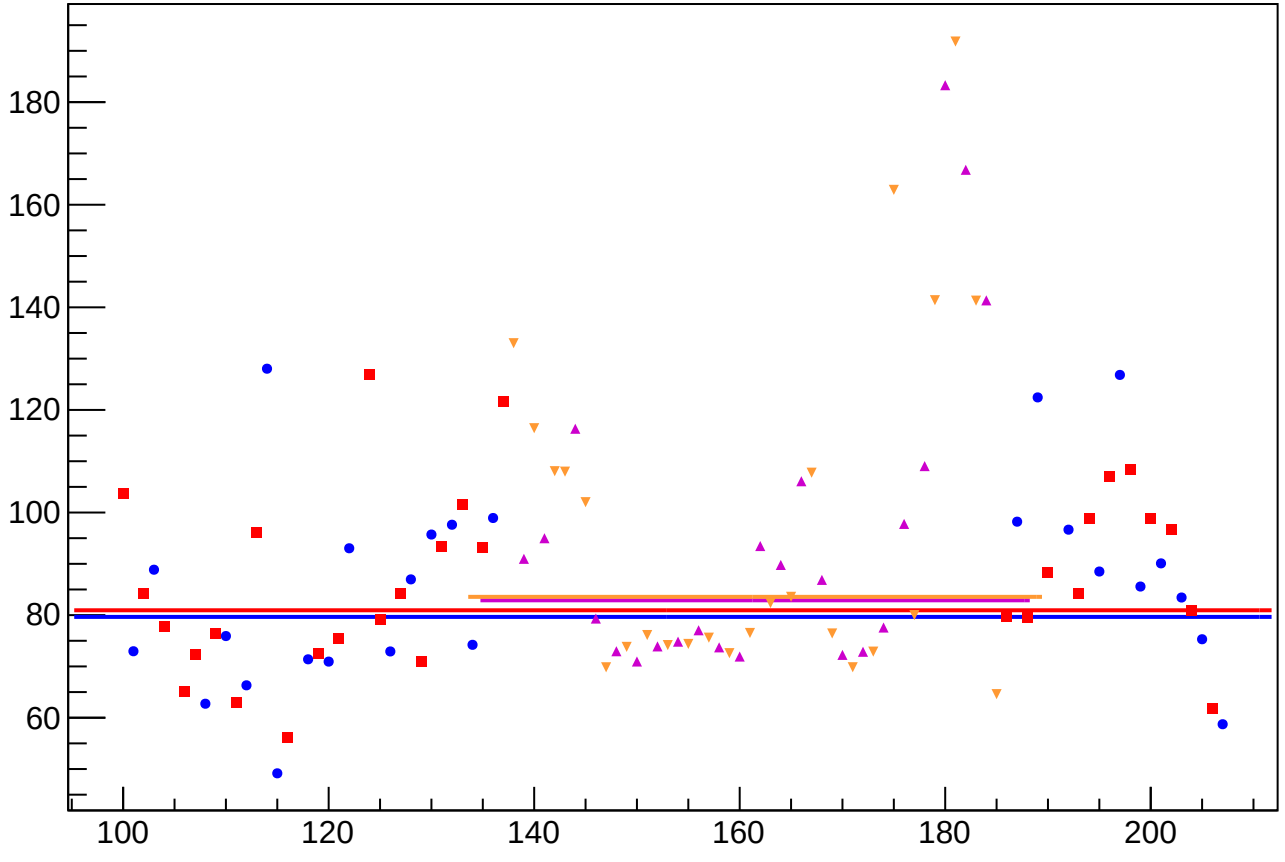
Right: -0.002+/-0.015 χ^2/NDF: 65.7/55

In: -0.012+/-0.015 χ^2/NDF:59.4/48

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.007+/-0.010 χ^2/NDF: 127.1/103

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 79.654+/-0.015 χ^2/NDF: 1078210.2/25

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

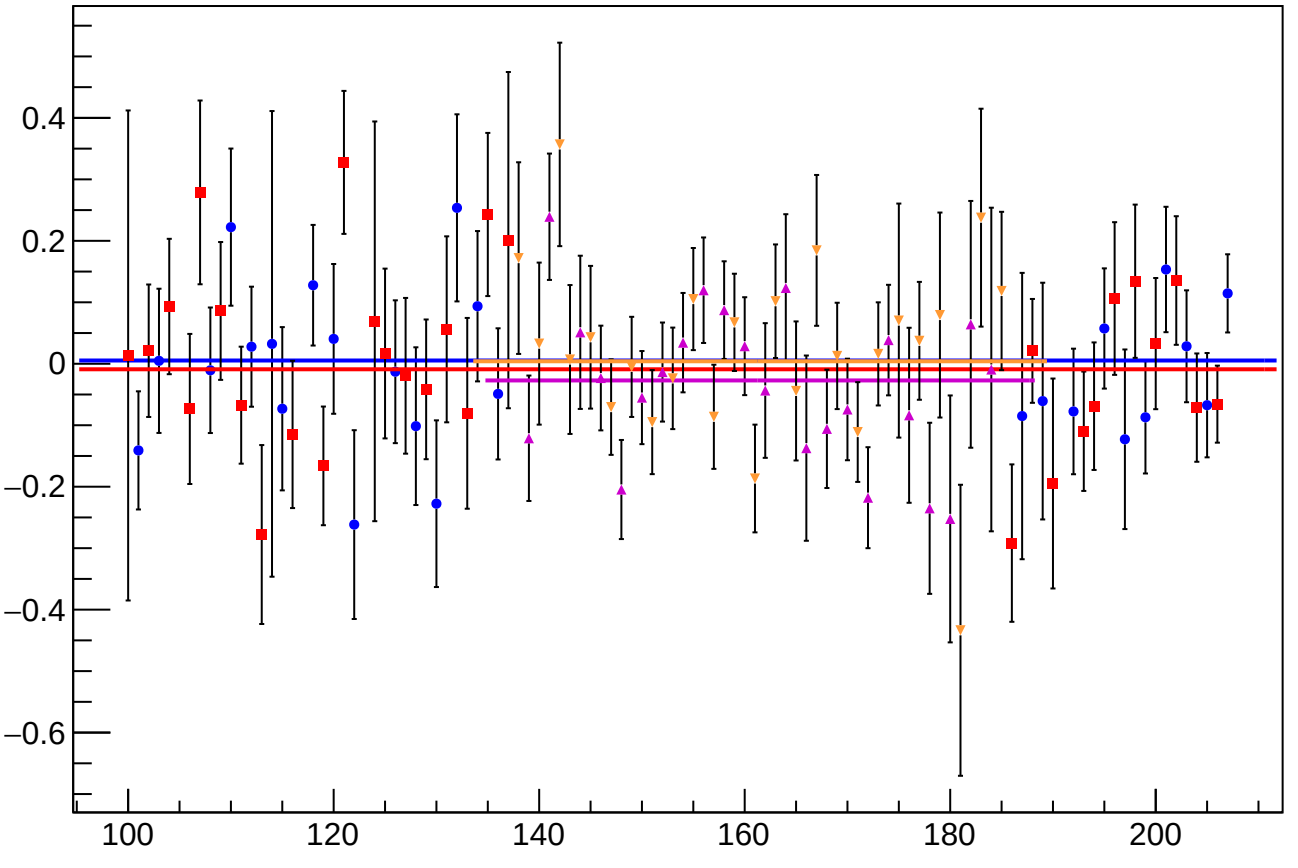
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 80.320+/-0.011 χ^2/NDF: 2038931.0/55

In: 81.361+/-0.011 χ^2/NDF:2674671.2/48

Out: 82.302+/-0.010 χ^2/NDF:3146033.0/54

All: 81.841+/-0.007 χ^2/NDF: 5824768.2/103



Right In: 0.005+/-0.022 χ^2/NDF: 26.3/25

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

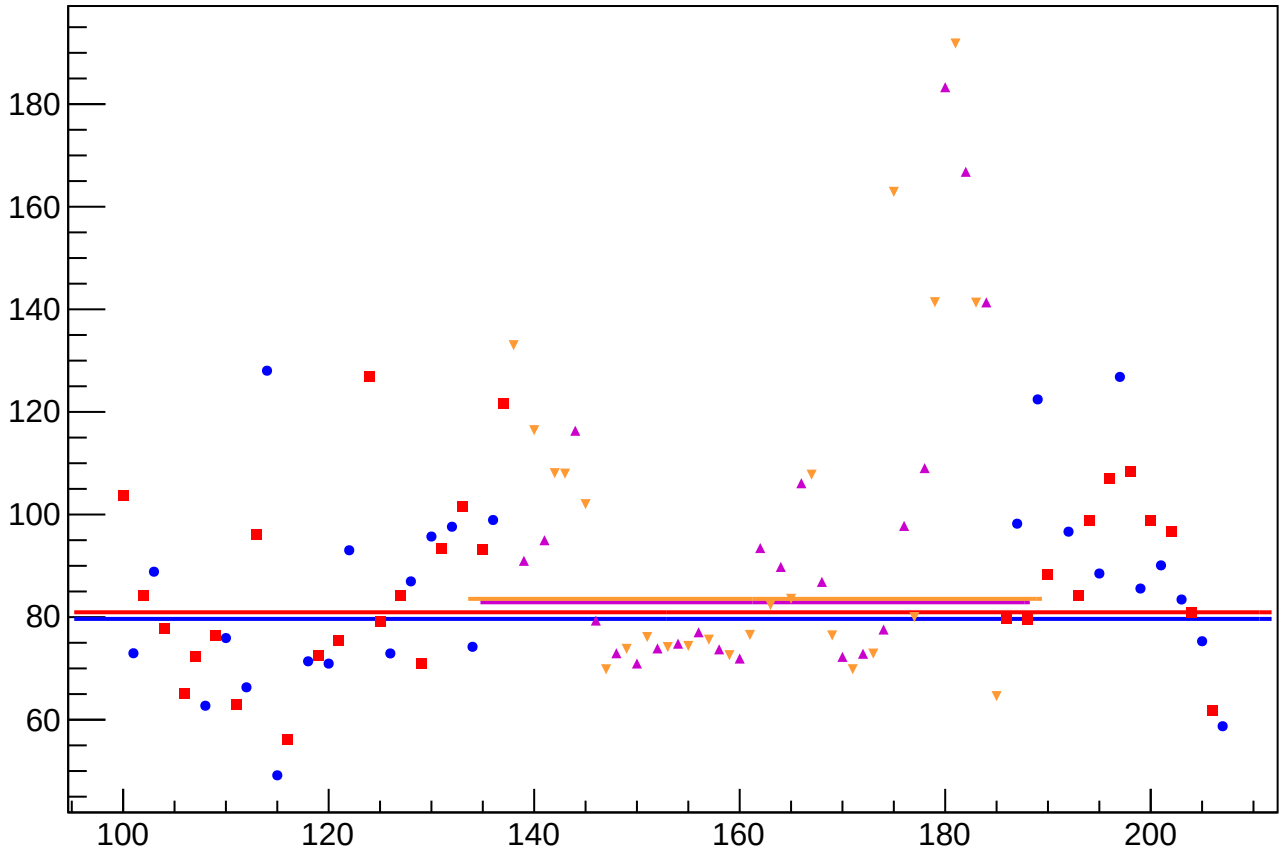
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.002+/-0.015 χ^2/NDF: 65.7/55

In: -0.012+/-0.015 χ^2/NDF:59.4/48

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.007+/-0.010 χ^2/NDF: 127.1/103



Right In: 79.654+/-0.015 χ^2/NDF: 1078210.2/25

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

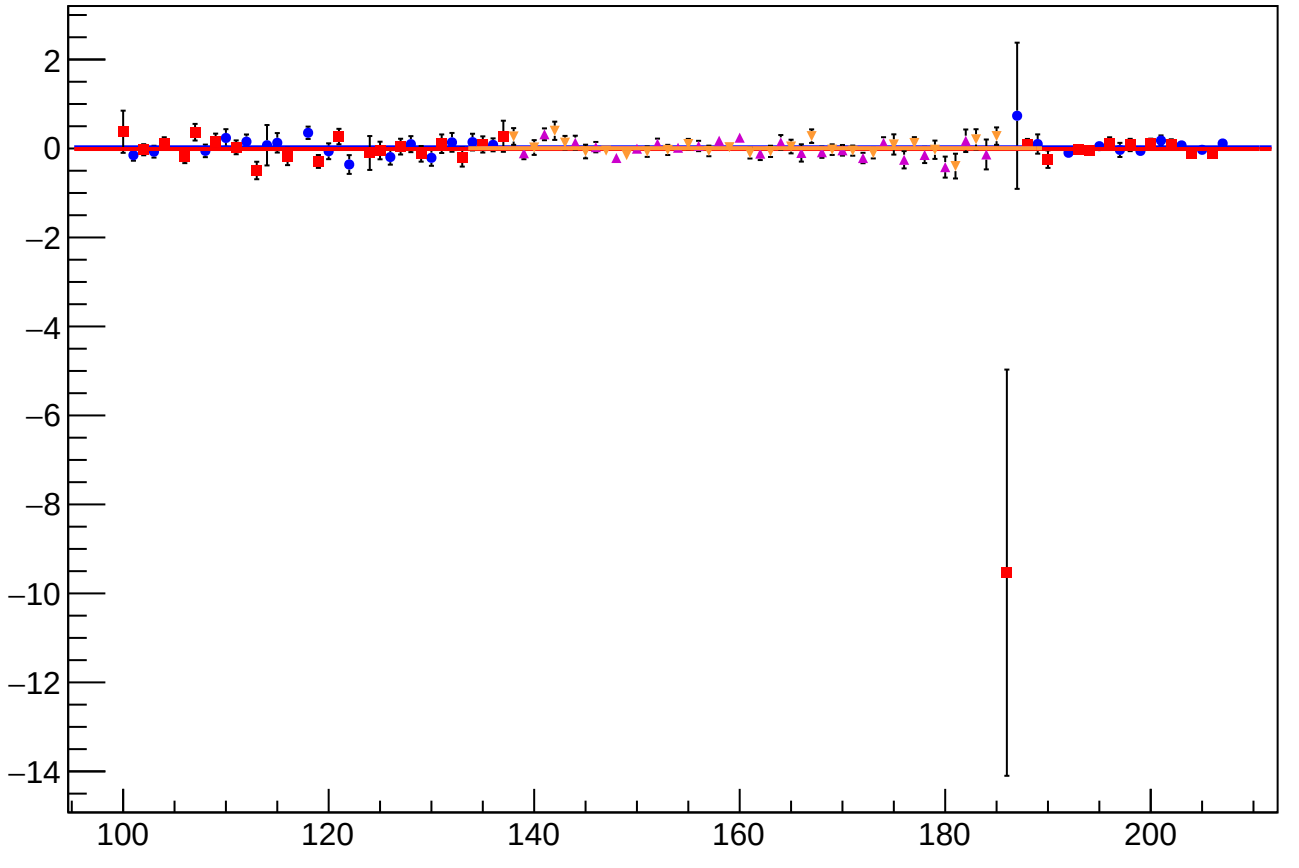
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 80.320+/-0.011 χ^2/NDF: 2038931.0/55

In: 81.361+/-0.011 χ^2/NDF:2674671.2/48

Out: 82.302+/-0.010 χ^2/NDF:3146033.0/54

All: 81.841+/-0.007 χ^2/NDF: 5824768.2/103



Right In: 0.027+/-0.028 χ^2/NDF: 23.8/25

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

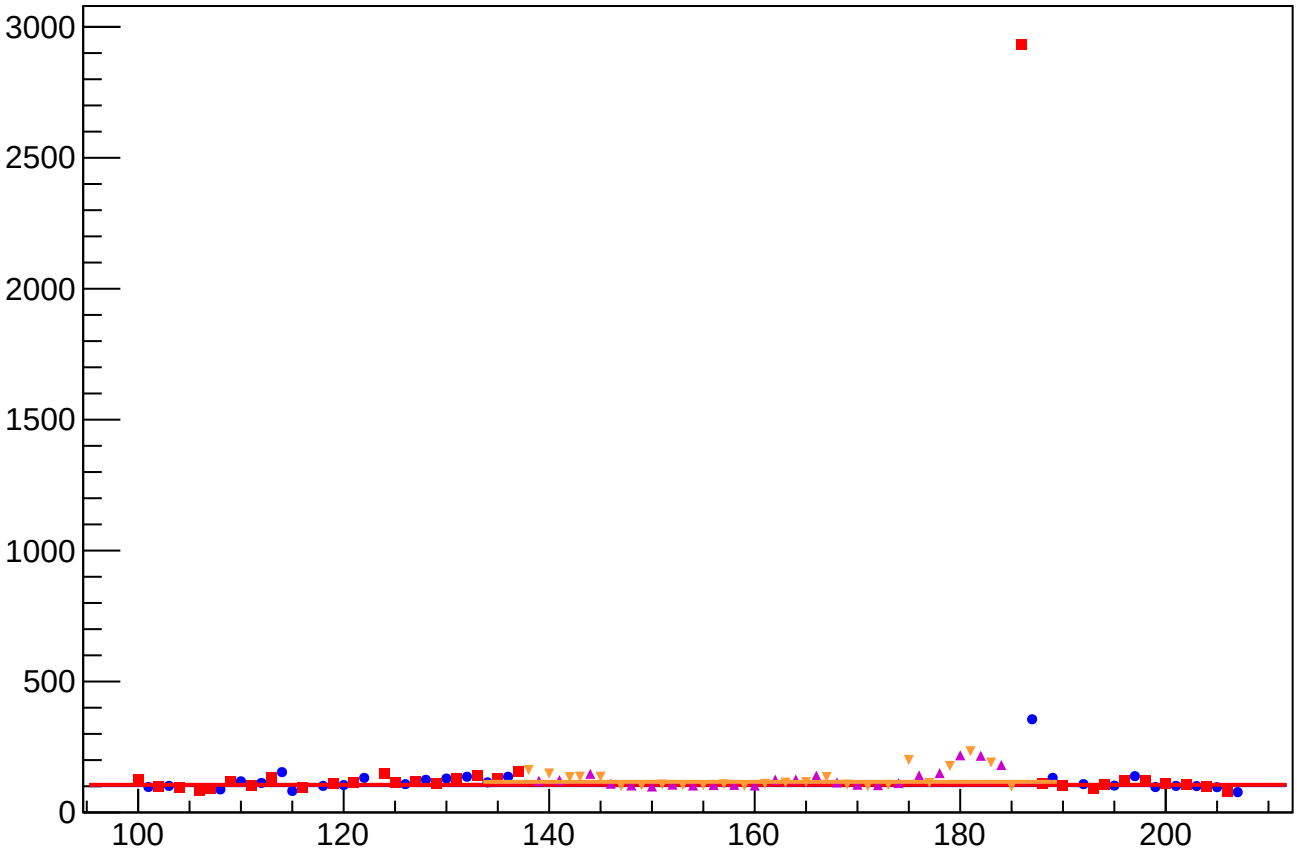
Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

Right: 0.007+/-0.020 χ^2/NDF: 60.4/55

In: 0.018+/-0.020 χ^2/NDF:55.3/48

Out: -0.003+/-0.019 χ^2/NDF:57.1/54

All: 0.007+/-0.014 χ^2/NDF: 113.0/103



Right In: 104.348+/-0.020 χ^2/NDF: 752615.9/25

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

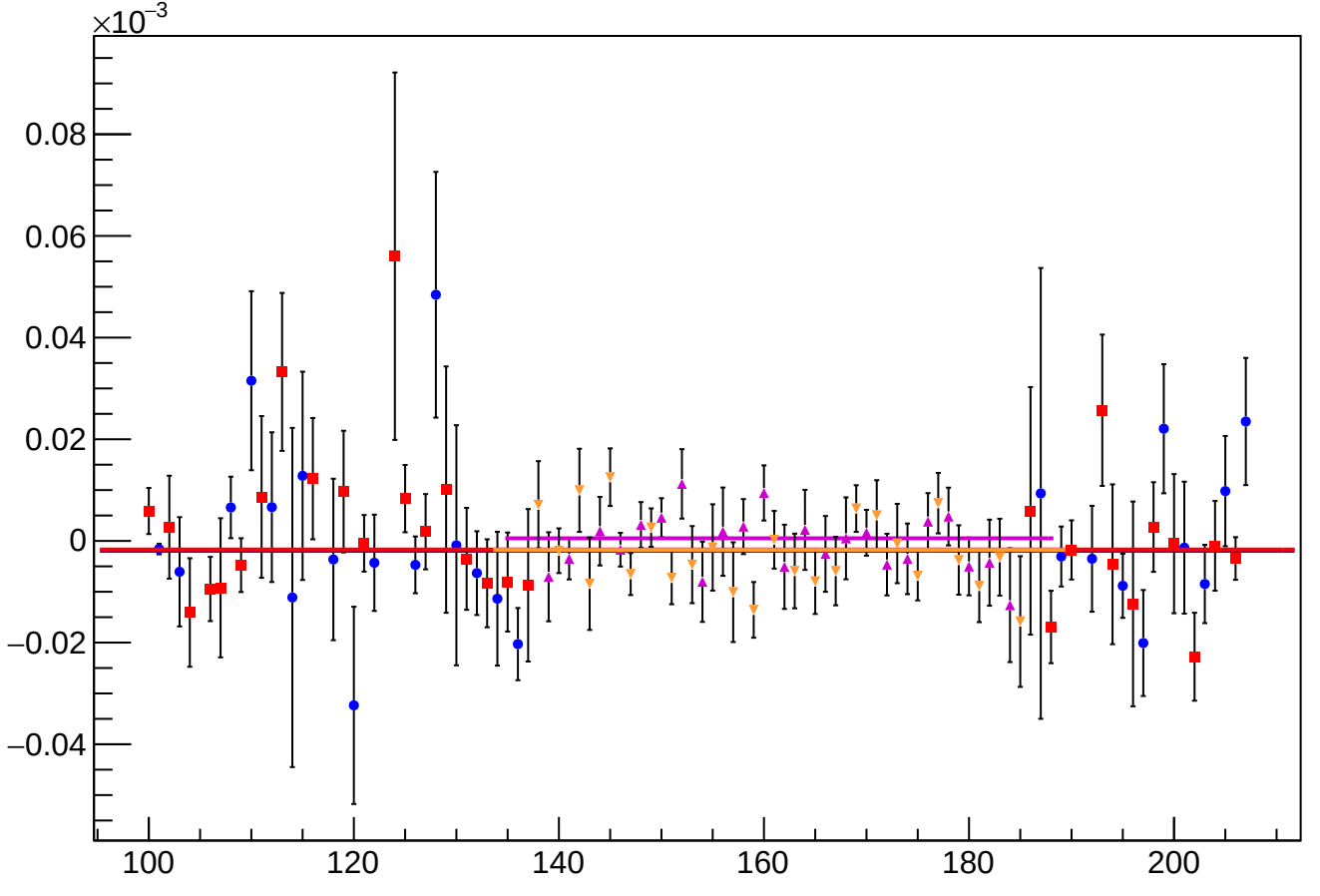
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 104.940+/-0.014 χ^2/NDF: 2151785.0/55

In: 110.094+/-0.014 χ^2/NDF:2151256.3/48

Out: 111.110+/-0.014 χ^2/NDF:3164750.4/54

All: 110.612+/-0.010 χ^2/NDF: 5318664.9/103



Right In: -0.000+/-0.000 χ^2/NDF: 35.3/25

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

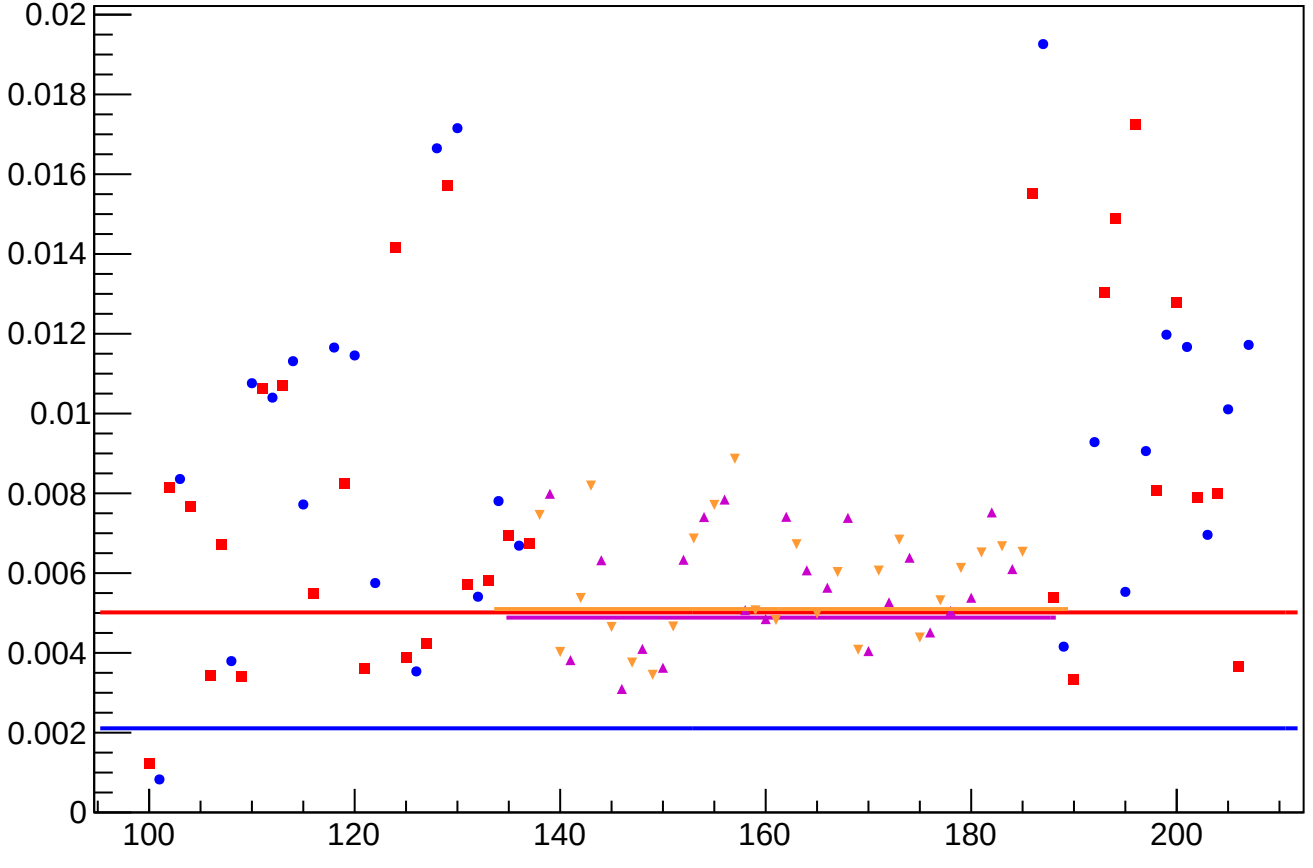
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 71.0/55

In: -0.000+/-0.000 χ^2/NDF:53.5/48

Out: -0.000+/-0.000 χ^2/NDF:66.7/54

All: -0.000+/-0.000 χ^2/NDF: 120.6/103



Right In: 0.002+/-0.000 χ^2/NDF: 18250409.0/25

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

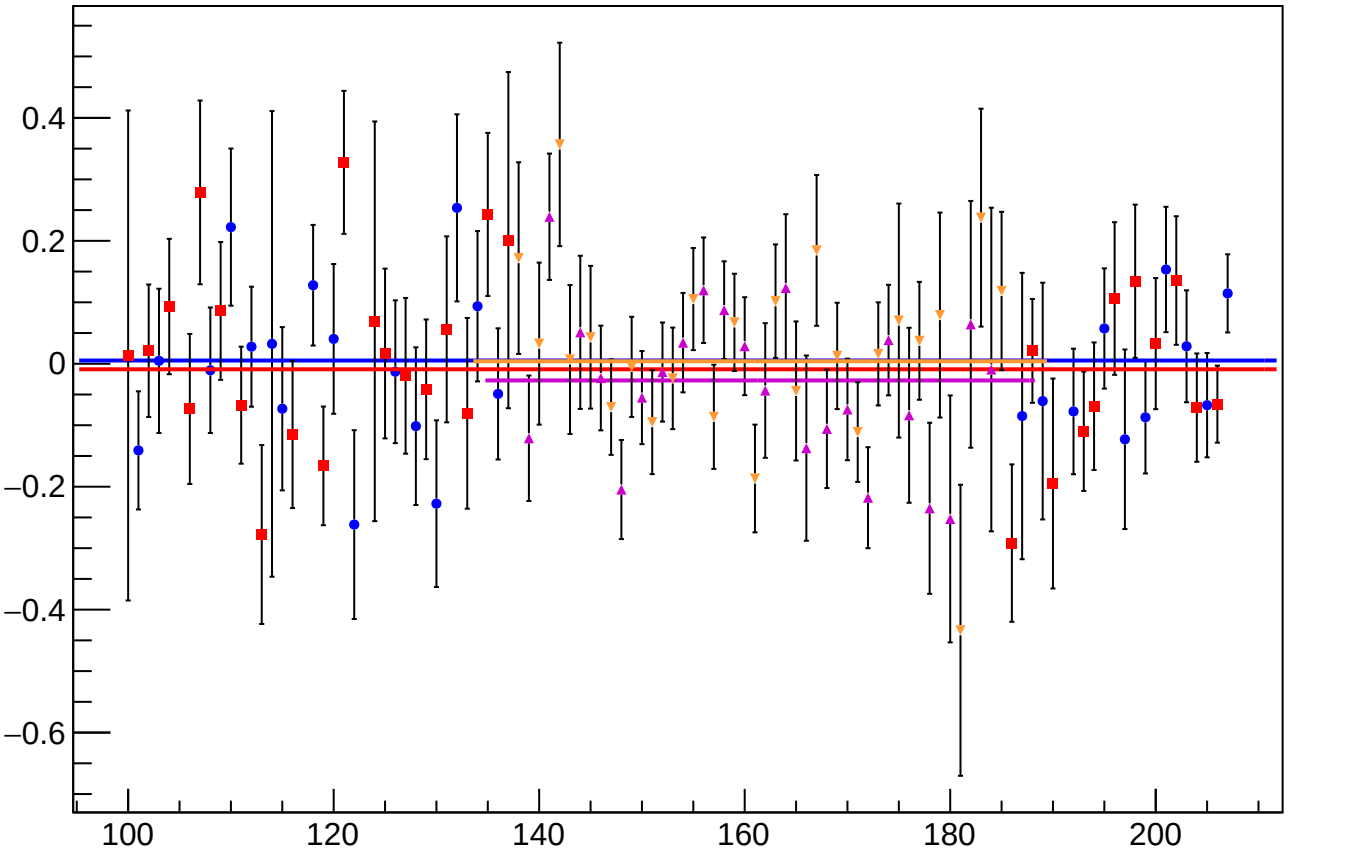
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 31364779.8/55

In: 0.003+/-0.000 χ^2/NDF:27730213.3/48

Out: 0.005+/-0.000 χ^2/NDF:10158834.2/54

All: 0.004+/-0.000 χ^2/NDF: 43038121.1/103



Right In: 0.005+/-0.022 χ^2/NDF: 26.3/25

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

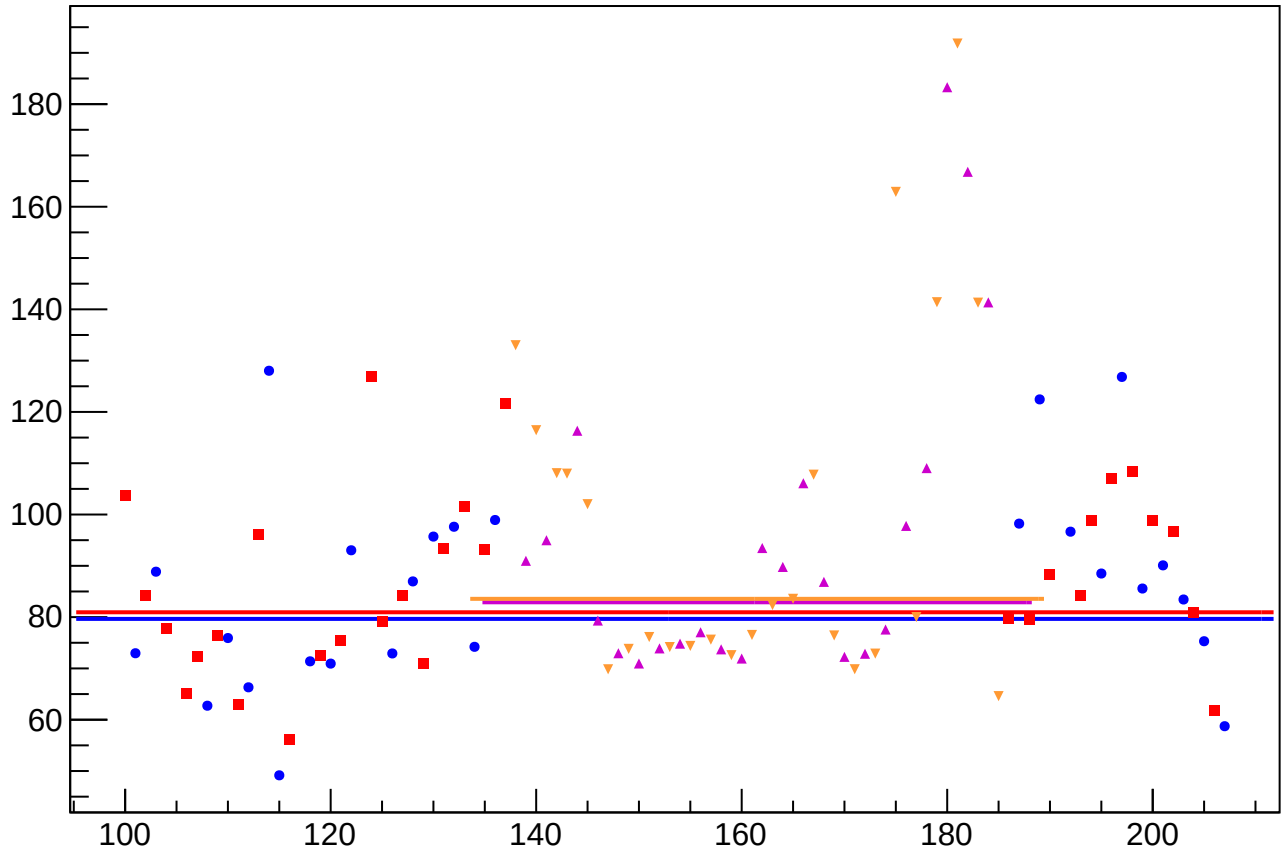
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.002+/-0.015 χ^2/NDF: 65.7/55

In: -0.012+/-0.015 χ^2/NDF:59.4/48

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.007+/-0.010 χ^2/NDF: 127.1/103



Right In: 79.654+/-0.015 χ^2/NDF: 1078120.3/25

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

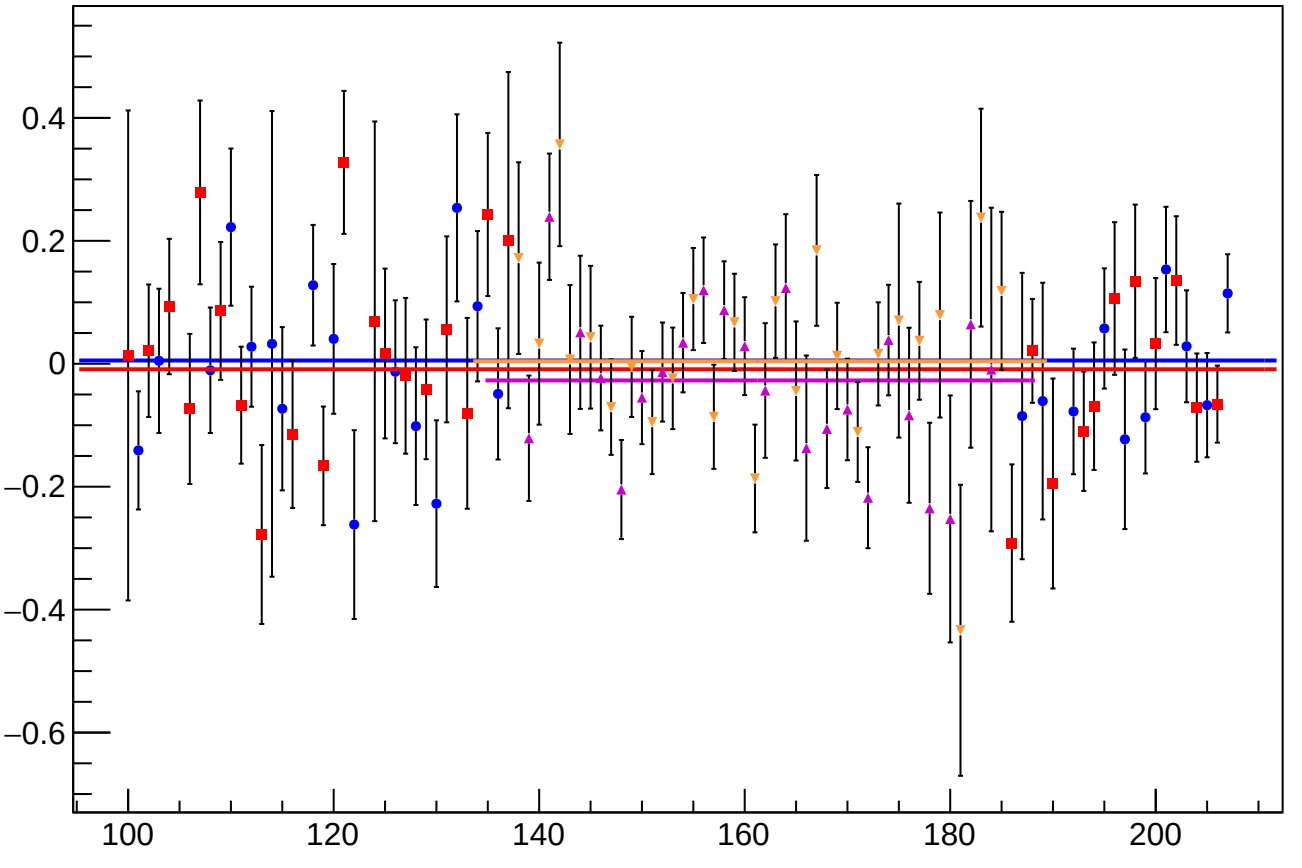
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 80.319+/-0.011 χ^2/NDF: 2038789.2/55

In: 81.361+/-0.011 χ^2/NDF:2674564.8/48

Out: 82.302+/-0.010 χ^2/NDF:3145992.2/54

All: 81.841+/-0.007 χ^2/NDF: 5824618.4/103



Right In: 0.005+/-0.022 χ^2/NDF: 26.3/25

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

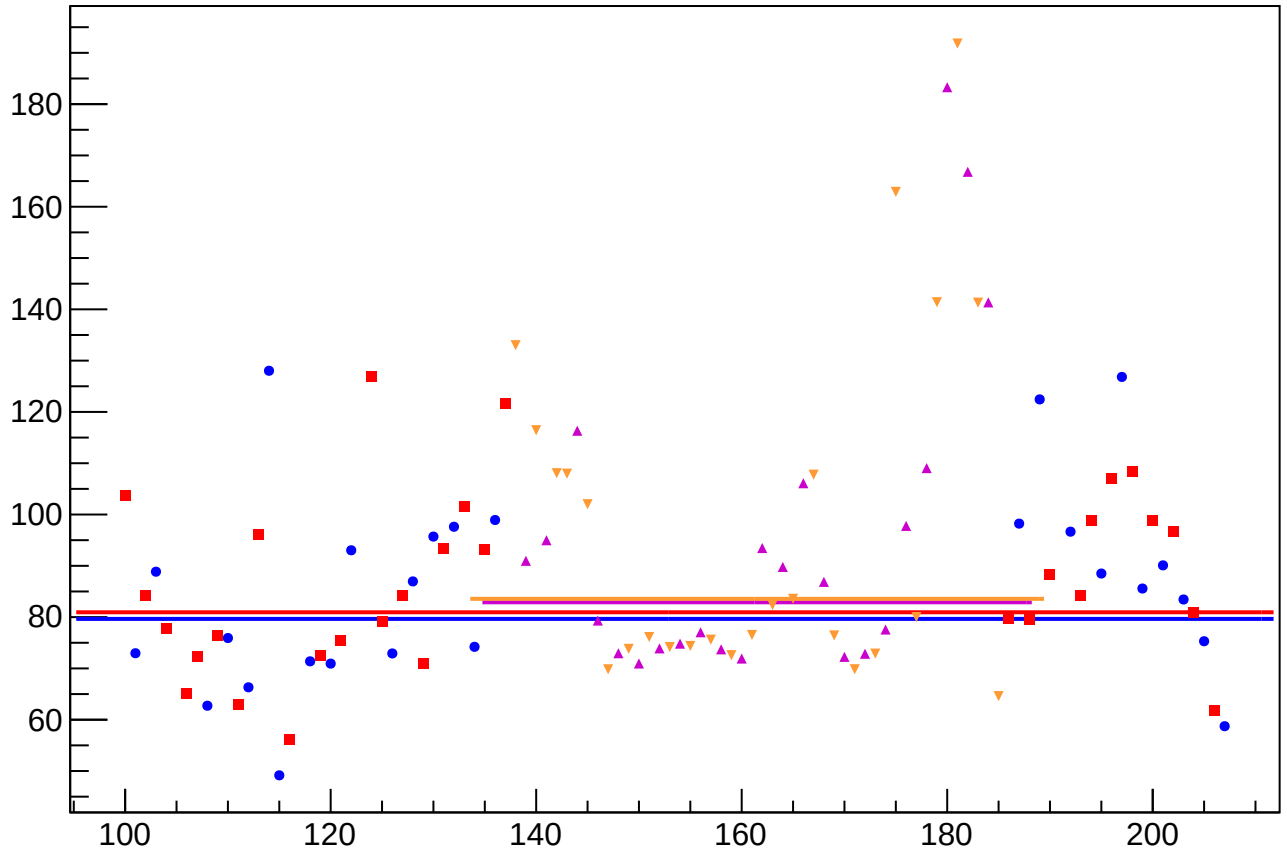
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.002+/-0.015 χ^2/NDF: 65.7/55

In: -0.012+/-0.015 χ^2/NDF:59.4/48

Out: -0.002+/-0.015 χ^2/NDF:67.5/54

All: -0.007+/-0.010 χ^2/NDF: 127.1/103



Right In: 79.654+/-0.015 χ^2/NDF: 1078120.3/25

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

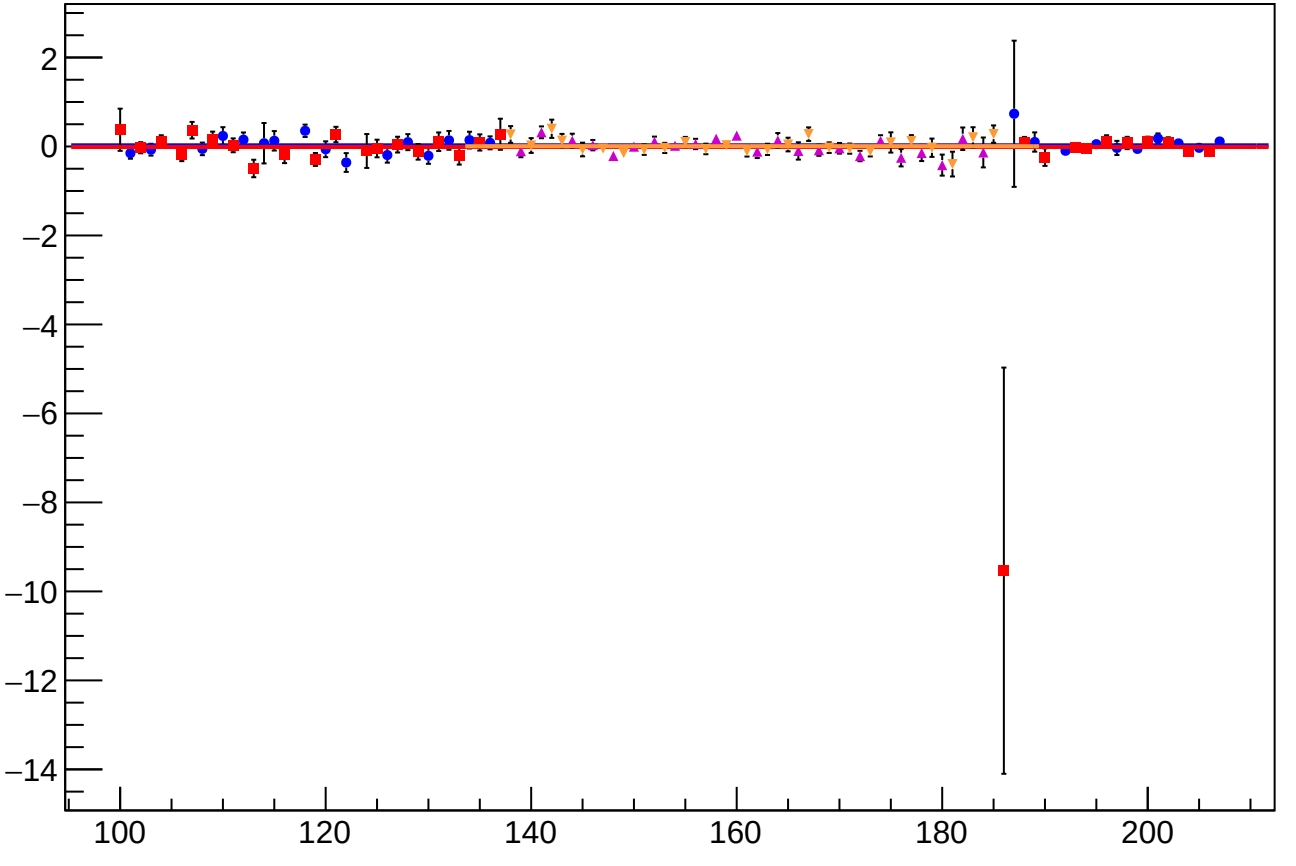
Right: 80.319+/-0.011 χ^2/NDF: 2038789.2/55

In: 81.361+/-0.011 χ^2/NDF:2674564.8/48

Out: 82.302+/-0.010 χ^2/NDF:3145992.2/54

All: 81.841+/-0.007 χ^2/NDF: 5824618.4/103

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.027+/-0.028 χ^2/NDF: 23.8/25

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

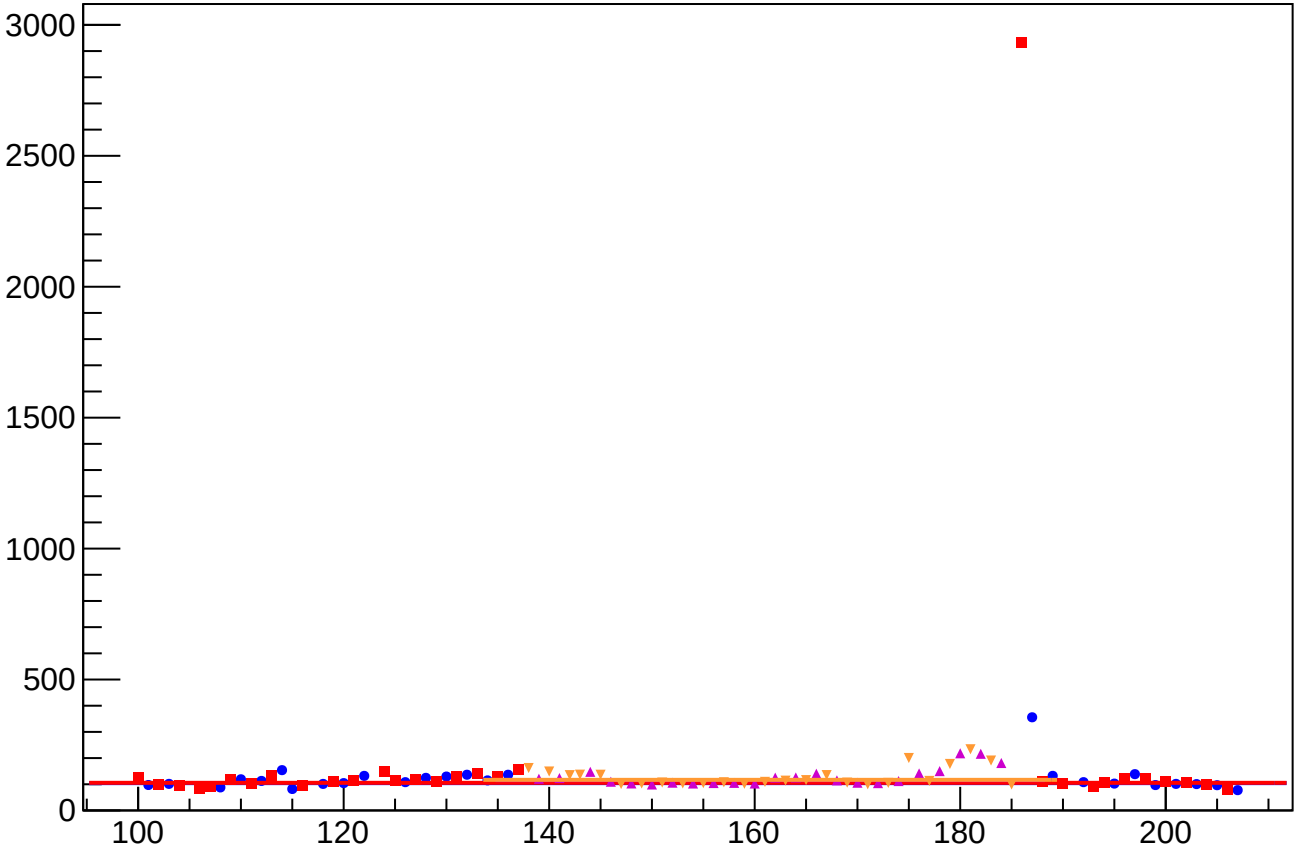
Right: 0.007+/-0.020 χ^2/NDF: 60.4/55

In: 0.018+/-0.020 χ^2/NDF:55.3/48

Out: -0.003+/-0.019 χ^2/NDF:57.1/54

All: 0.007+/-0.014 χ^2/NDF: 113.0/103

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 104.348+/-0.020 χ^2/NDF: 752511.0/25

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

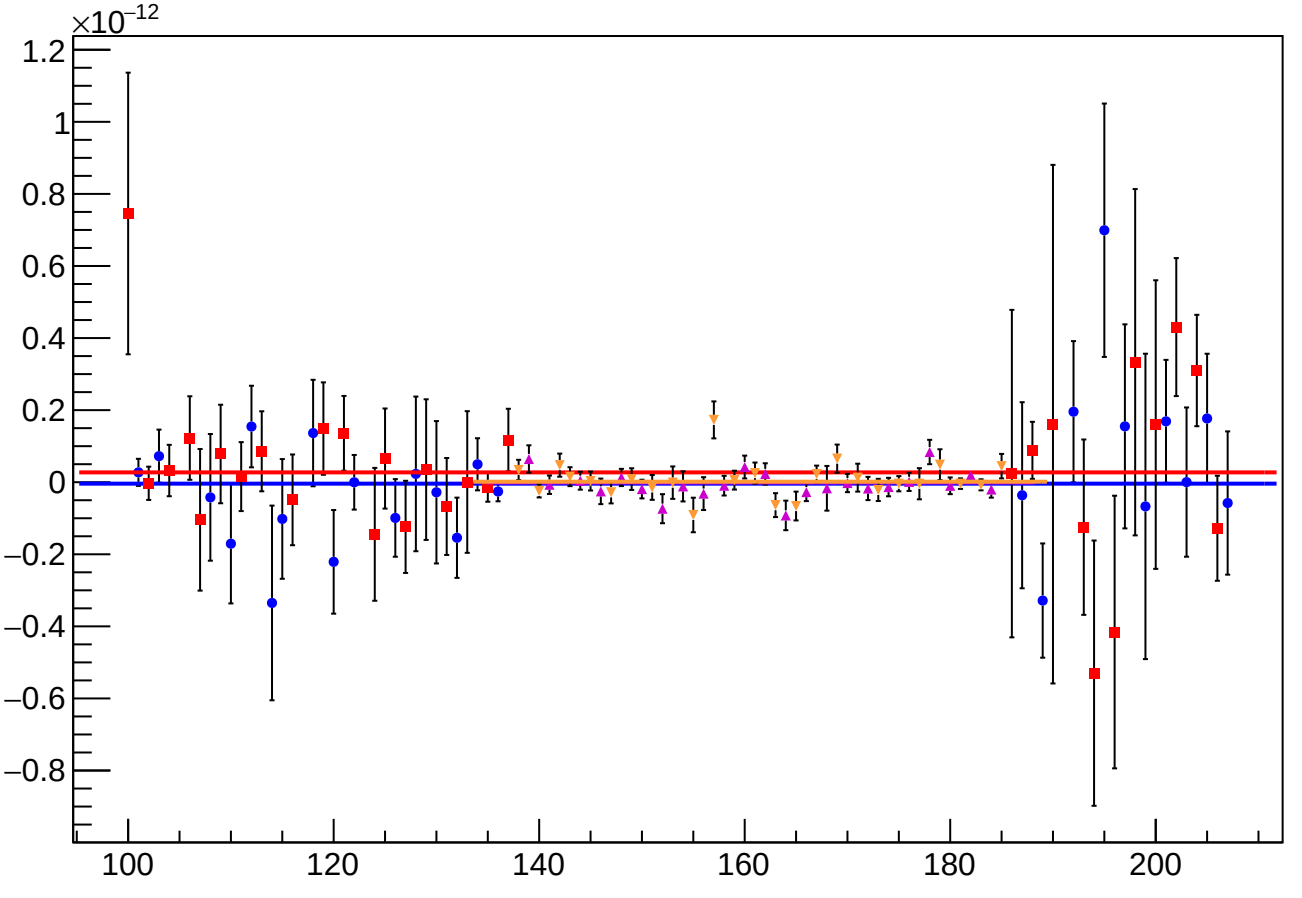
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 104.940+/-0.014 χ^2/NDF: 2151611.9/55

In: 110.094+/-0.014 χ^2/NDF:2151143.8/48

Out: 111.110+/-0.014 χ^2/NDF:3164698.8/54

All: 110.613+/-0.010 χ^2/NDF: 5318499.7/103



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/25

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

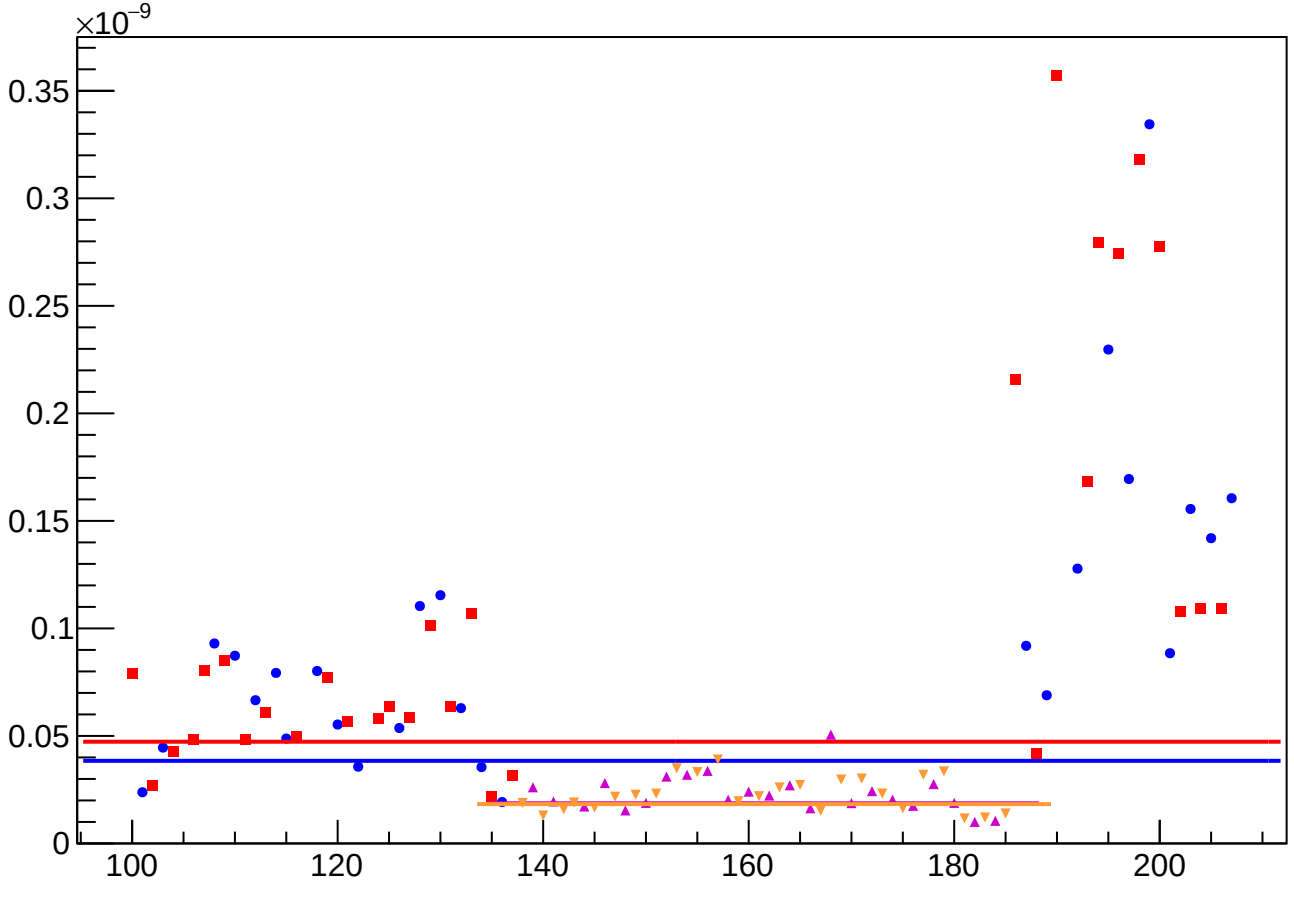
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 53.6/55

In: -0.000+/-0.000 χ^2/NDF:52.1/48

Out: 0.000+/-0.000 χ^2/NDF:65.1/54

All: 0.000+/-0.000 χ^2/NDF: 117.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 7517863.6/25

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

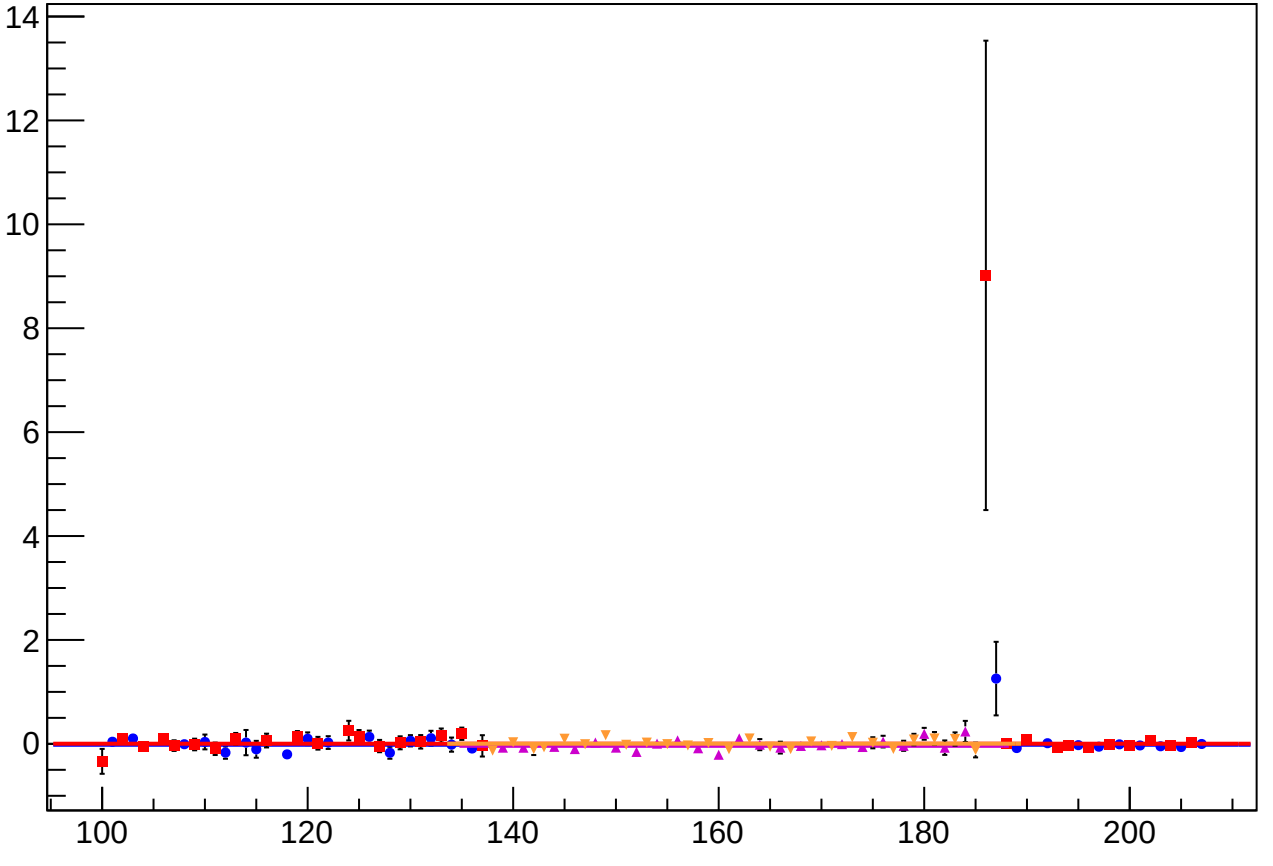
Right: 0.000+/-0.000 χ^2/NDF: 14682788.5/55

In: 0.000+/-0.000 χ^2/NDF:12776688.5/48

Out: 0.000+/-0.000 χ^2/NDF:13984859.3/54

All: 0.000+/-0.000 χ^2/NDF: 26763892.4/103

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.014 χ^2/NDF: 23.9/25

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

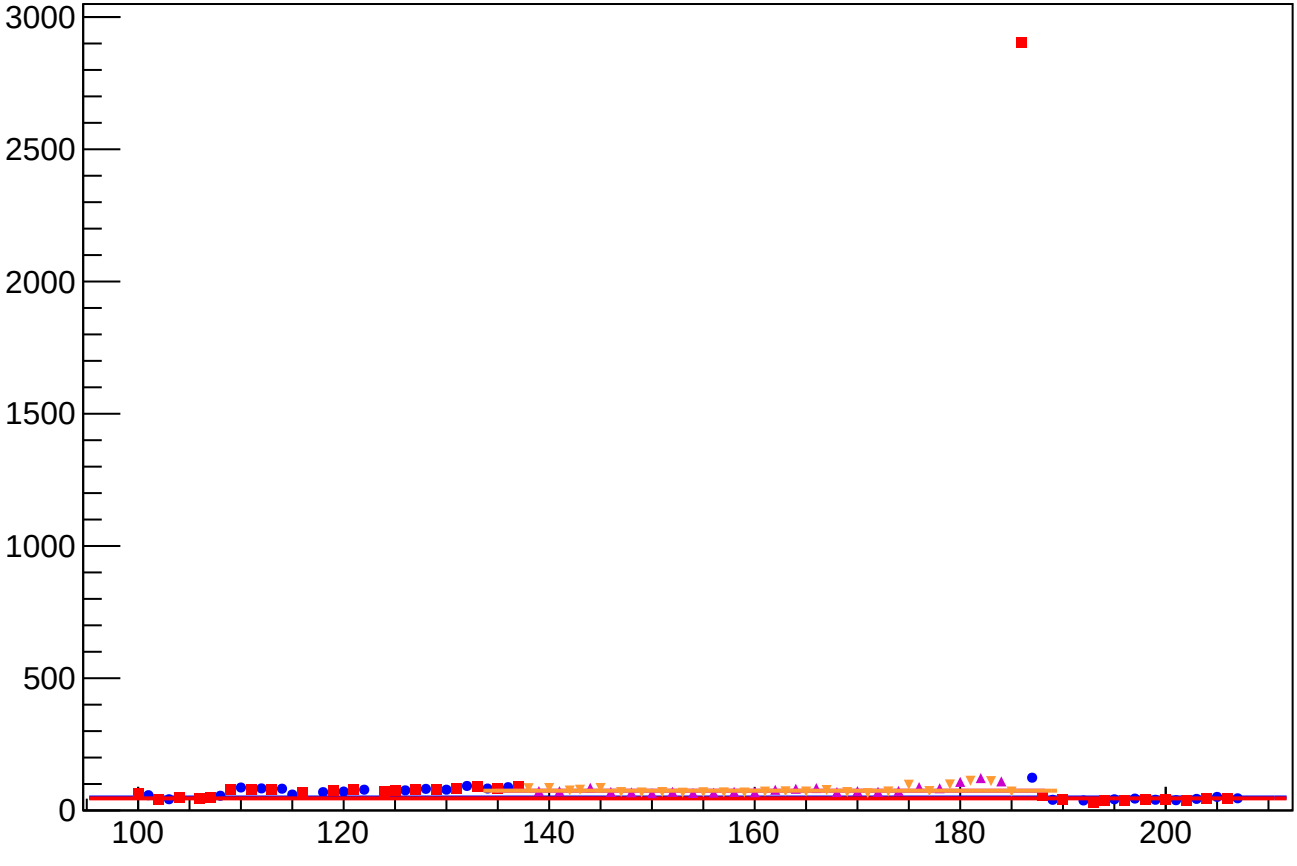
Right: -0.007+/-0.009 χ^2/NDF: 61.5/55

In: -0.025+/-0.011 χ^2/NDF:46.3/48

Out: 0.003+/-0.010 χ^2/NDF:57.9/54

All: -0.011+/-0.007 χ^2/NDF: 107.8/103

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.021+/-0.010 χ^2/NDF: 2248571.6/25

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

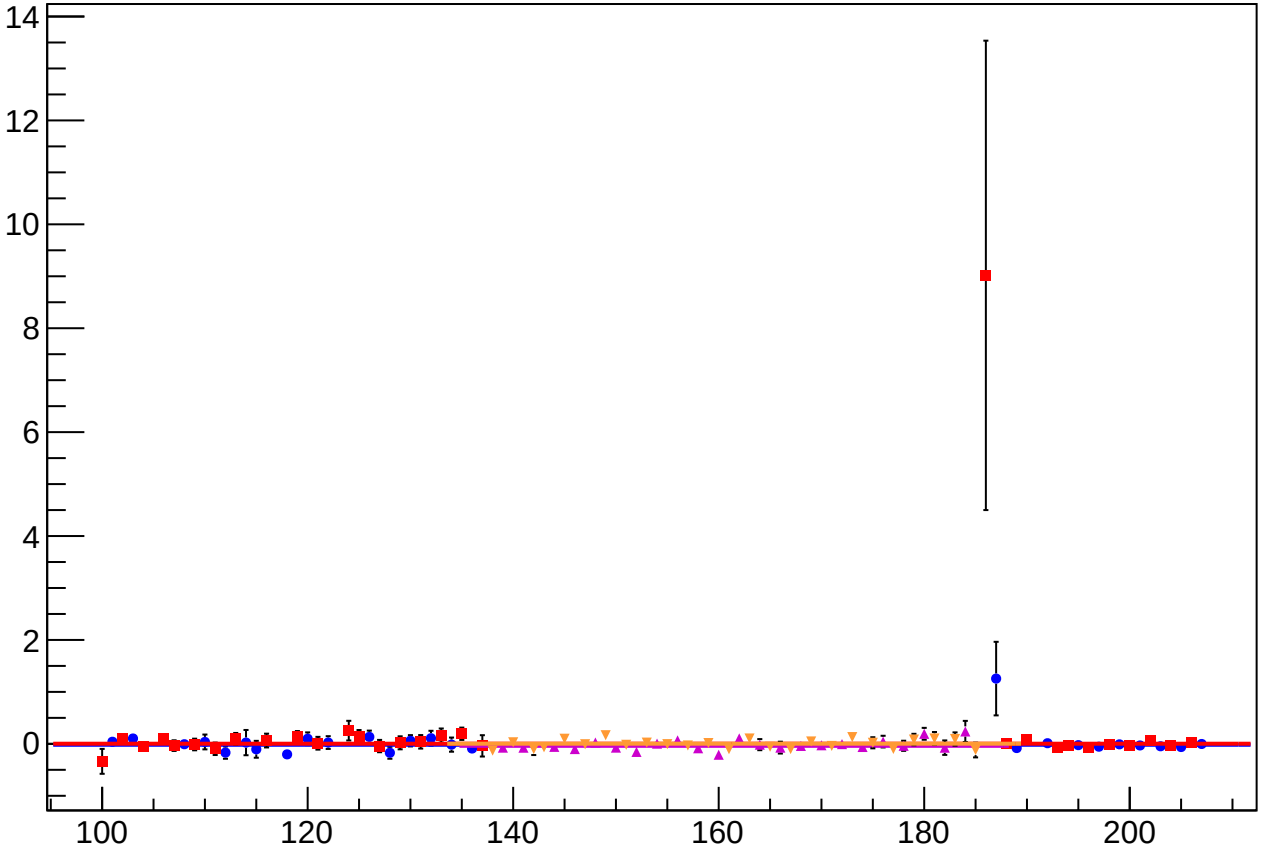
Right: 47.203+/-0.007 χ^2/NDF: 5925643.2/55

In: 58.405+/-0.008 χ^2/NDF:5555350.2/48

Out: 55.539+/-0.007 χ^2/NDF:8034620.9/54

All: 56.880+/-0.005 χ^2/NDF: 13664564.1/103

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.014 χ^2/NDF: 23.9/25

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

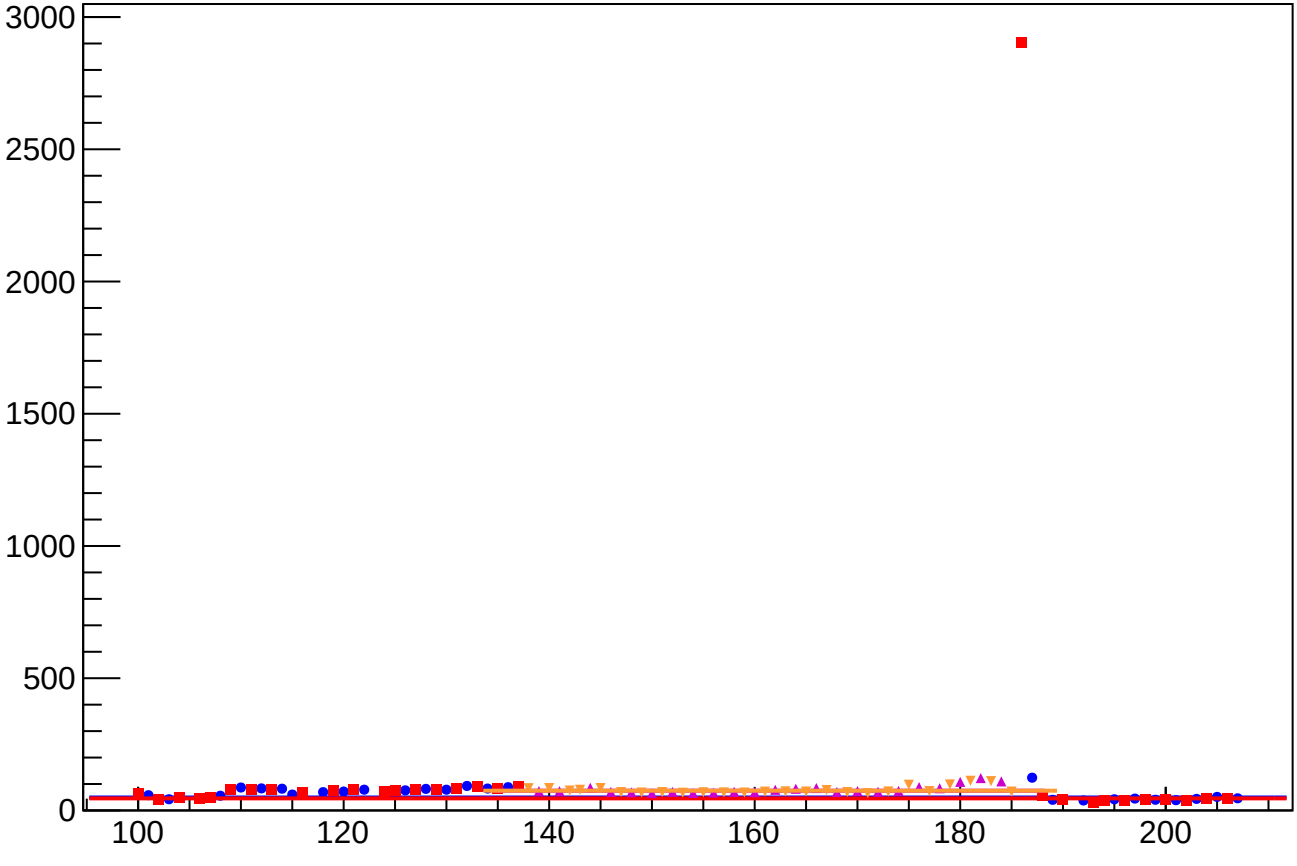
Right: -0.007+/-0.009 χ^2/NDF: 61.5/55

In: -0.025+/-0.011 χ^2/NDF:46.3/48

Out: 0.003+/-0.010 χ^2/NDF:57.9/54

All: -0.011+/-0.007 χ^2/NDF: 107.8/103

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.021+/-0.010 χ^2/NDF: 2248571.6/25

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

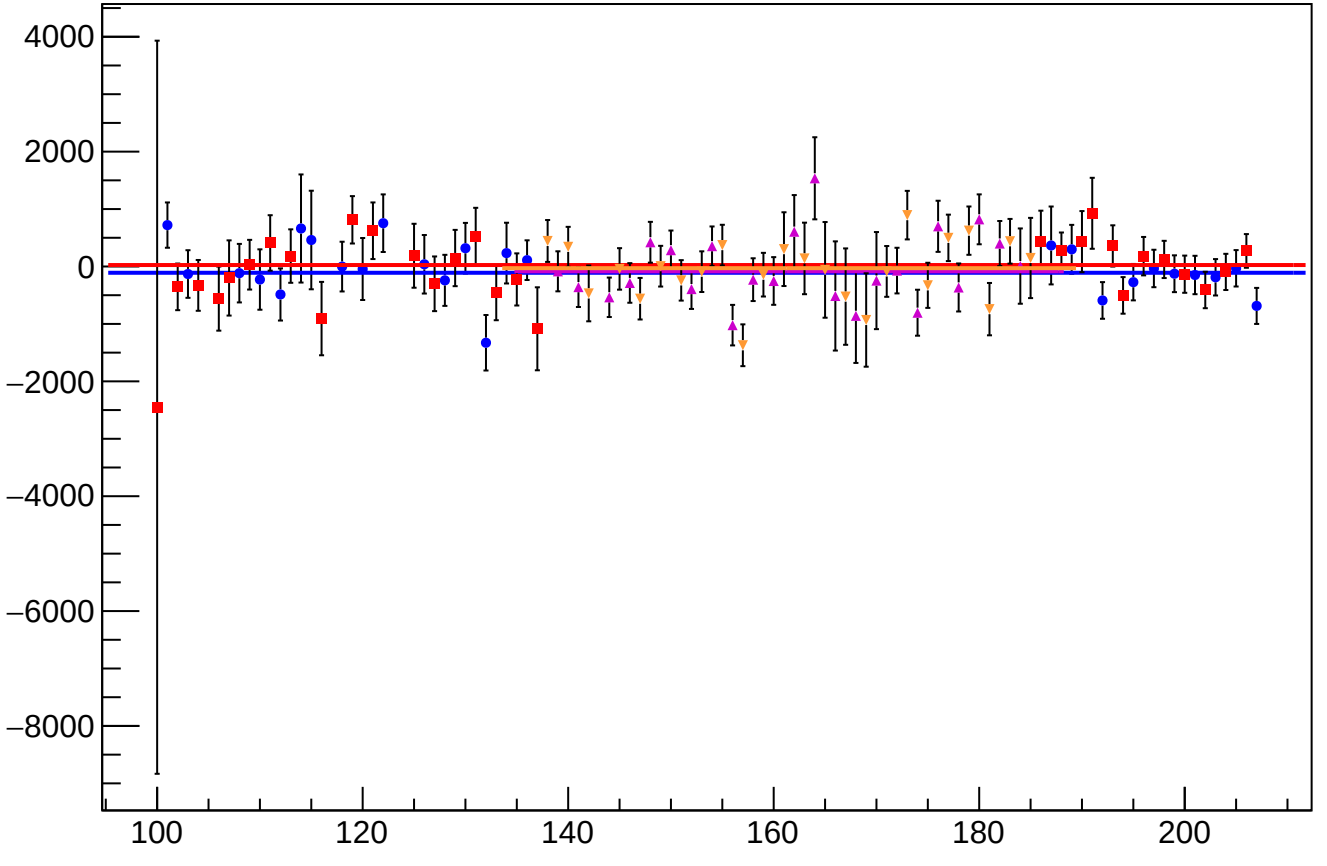
Right: 47.203+/-0.007 χ^2/NDF: 5925643.2/55

In: 58.405+/-0.008 χ^2/NDF:5555350.2/48

Out: 55.539+/-0.007 χ^2/NDF:8034620.9/54

All: 56.880+/-0.005 χ^2/NDF: 13664564.1/103

asym_dsl_mean vs Slug, Sign Corrected



Right In: -109.330+/-80.135 χ^2/NDF: 25.2/25

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

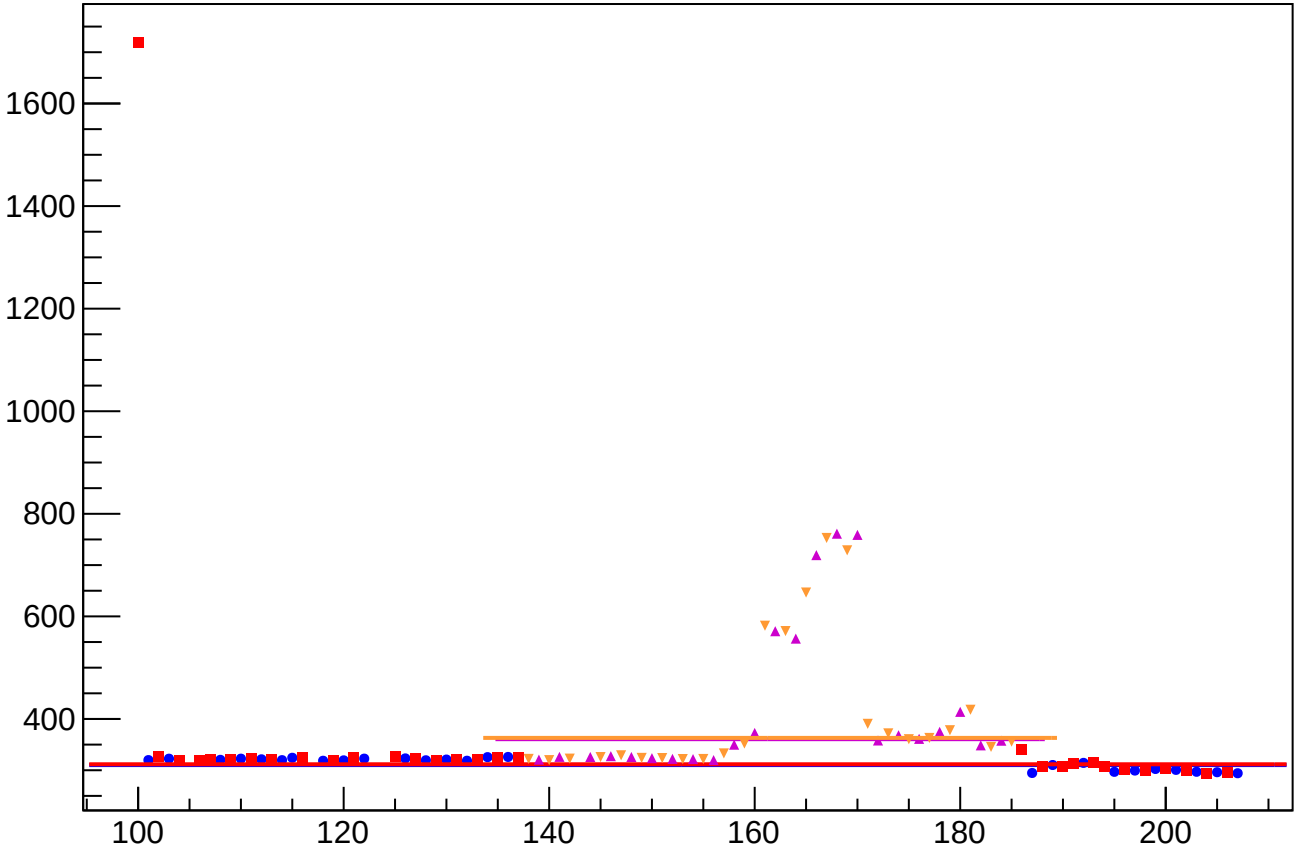
Right: -39.531+/-55.624 χ^2/NDF: 53.6/55

In: -97.498+/-58.778 χ^2/NDF:61.0/48

Out: 1.093+/-57.635 χ^2/NDF:63.8/53

All: -47.235+/-41.152 χ^2/NDF: 126.2/102

asym_dsl_rms vs Slug, Sign Corrected



Right In: 310.071+/-0.057 χ^2/NDF: 41499.4/25

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

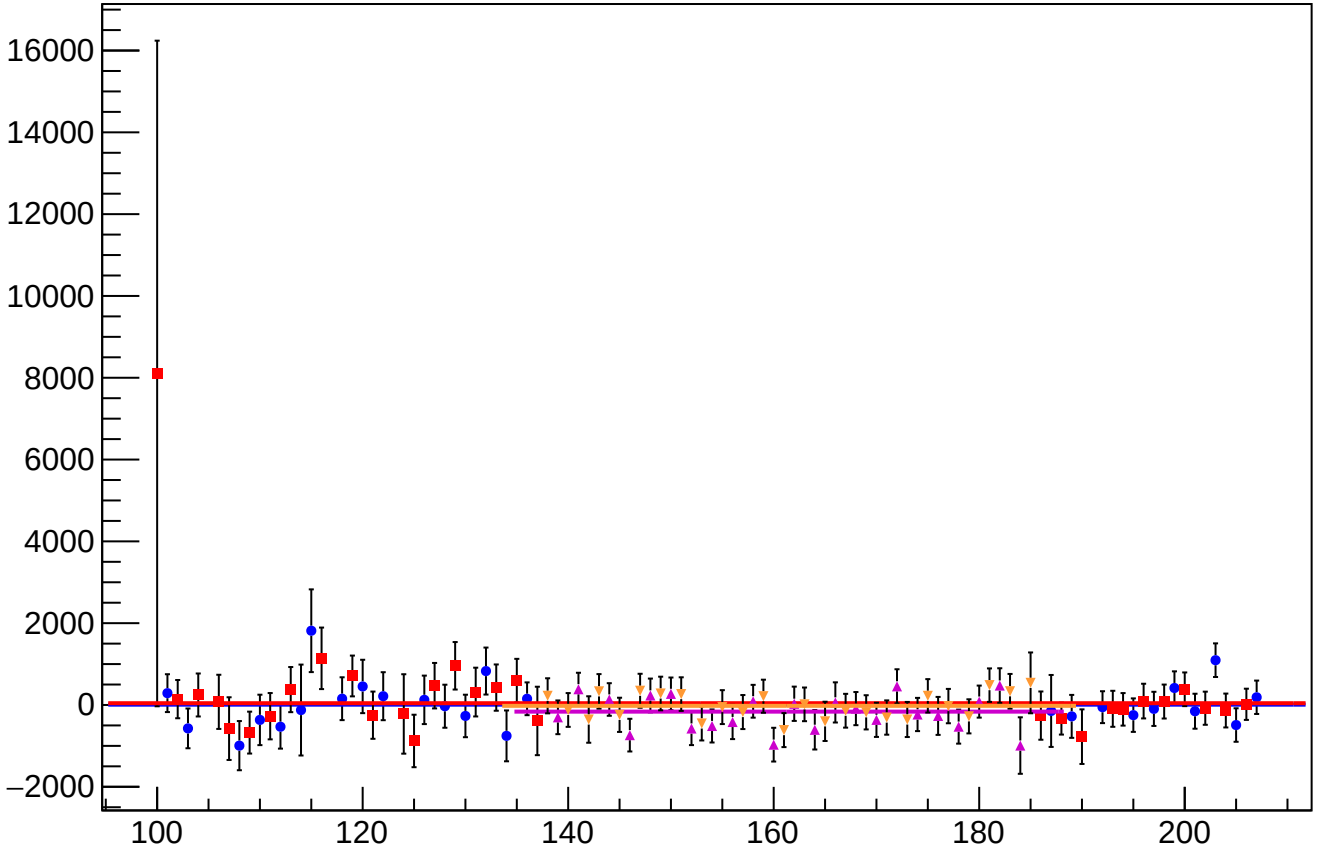
Right: 310.887+/-0.039 χ^2/NDF: 184682.7/55

In: 333.408+/-0.042 χ^2/NDF:2226353.3/48

Out: 334.465+/-0.041 χ^2/NDF:2331463.7/53

All: 333.947+/-0.029 χ^2/NDF: 4558146.5/102

asym_dsr_mean vs Slug, Sign Corrected



Right In: 7.772+/-98.487 χ^2/NDF: 24.5/25

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

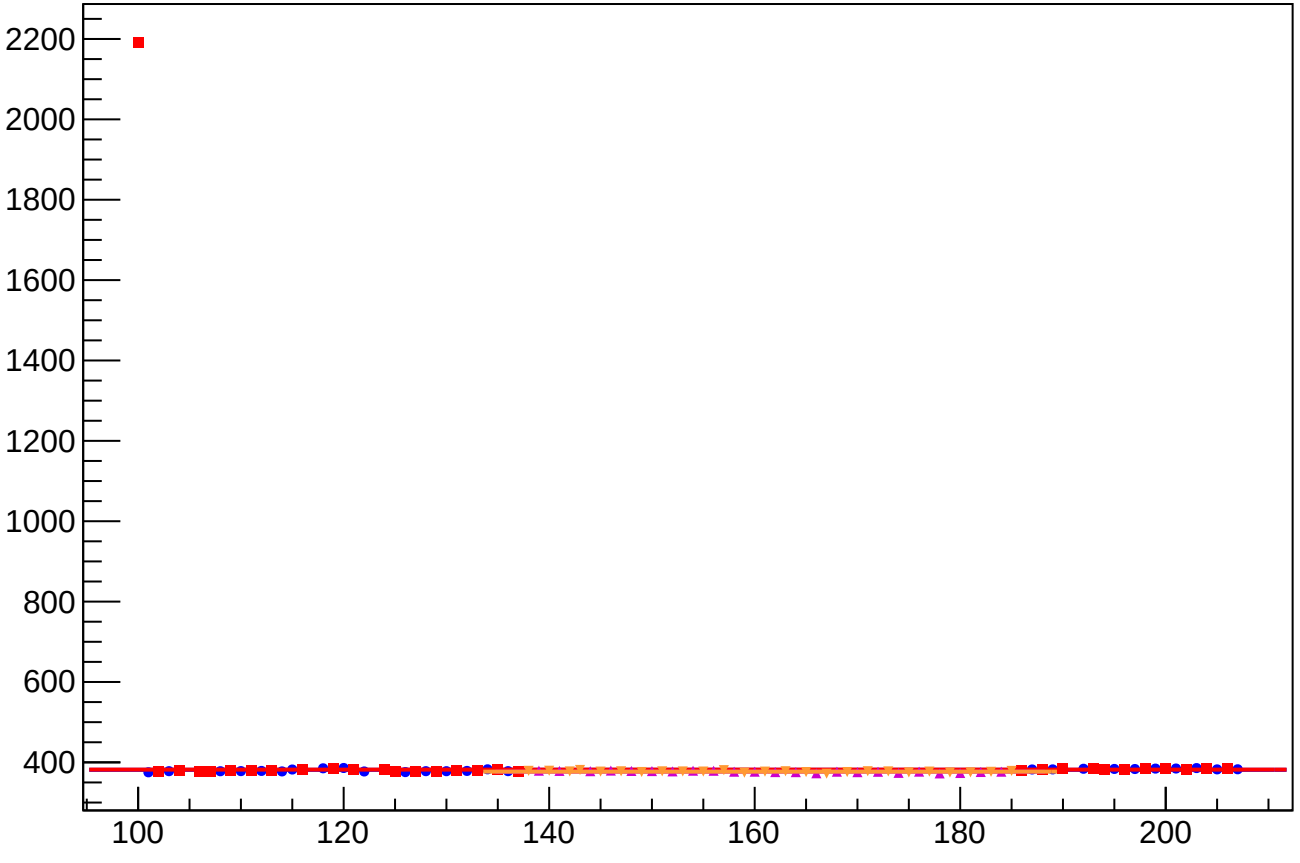
Right: 26.219+/-68.339 χ^2/NDF: 44.3/55

In: -87.190+/-65.617 χ^2/NDF:47.9/48

Out: 7.840+/-63.572 χ^2/NDF:32.7/54

All: -38.171+/-45.658 χ^2/NDF: 81.6/103

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.384+/-0.070 χ^2/NDF: 2173.4/25

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

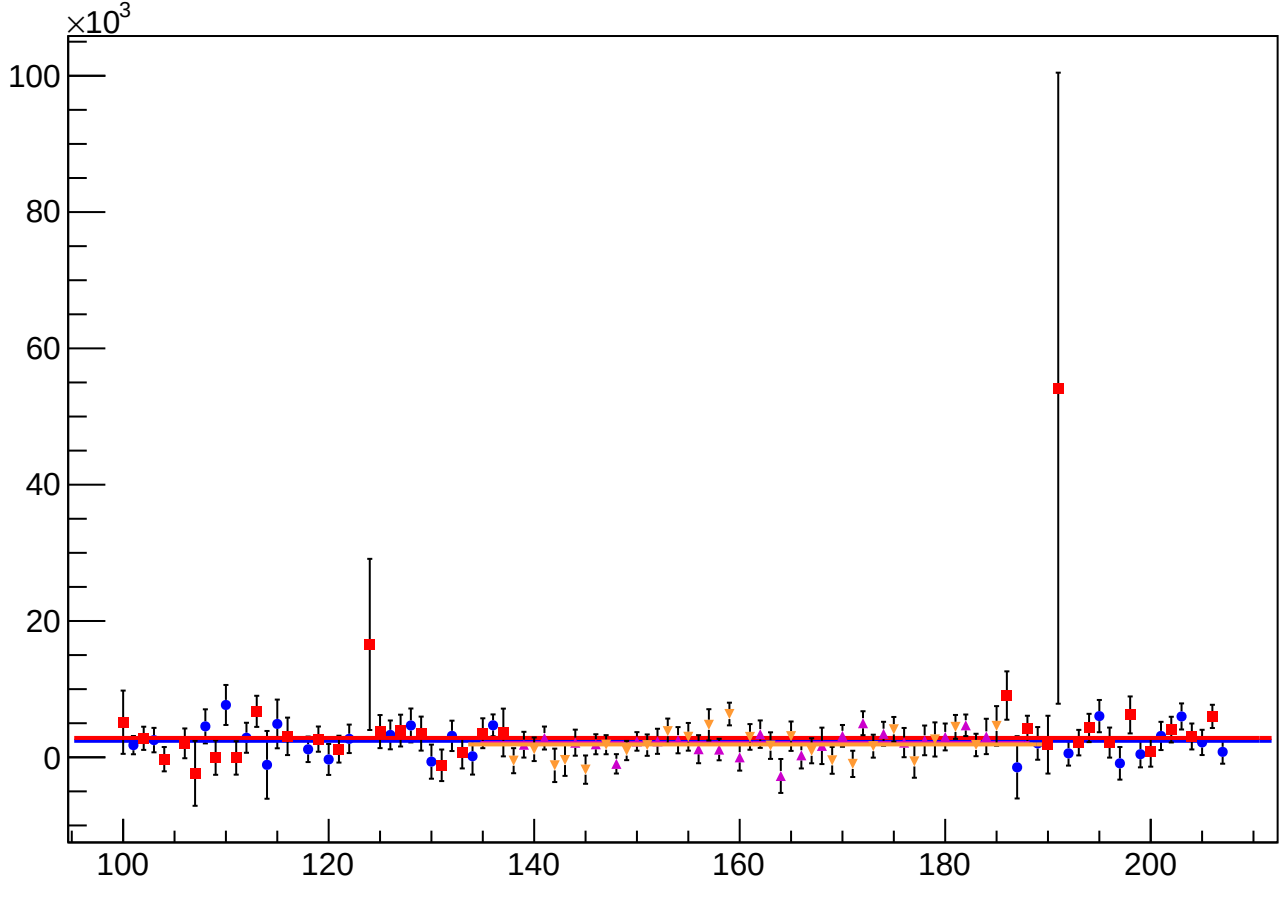
Right: 381.661+/-0.048 χ^2/NDF: 102869.8/55

In: 378.861+/-0.046 χ^2/NDF:5609.2/48

Out: 379.155+/-0.045 χ^2/NDF:104800.4/54

All: 379.013+/-0.032 χ^2/NDF: 110430.4/103

asym_us_agg_avg_mean vs Slug, Sign Corrected



Right In: 2419.467+/-417.460 χ^2/NDF: 24.0/25

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

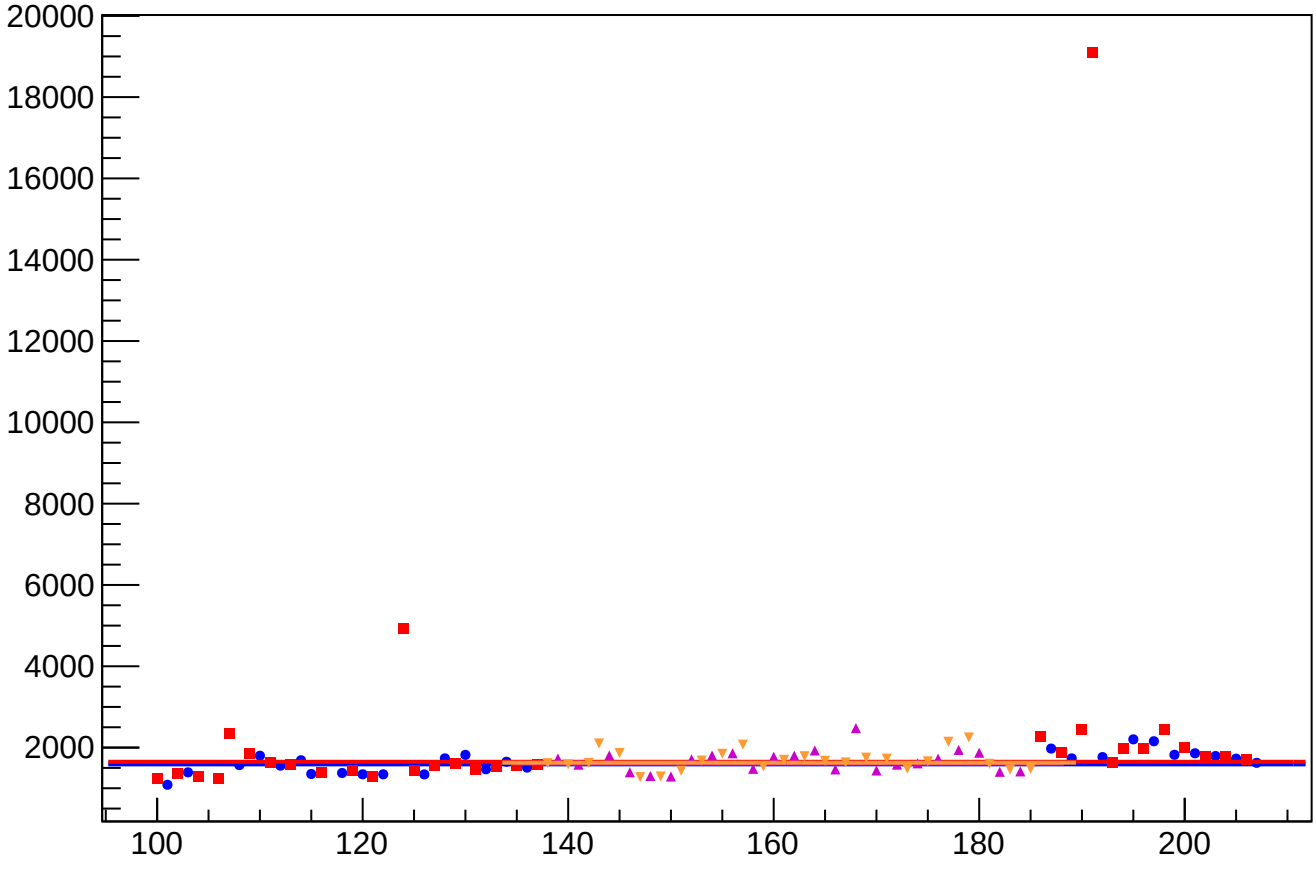
Right: 2629.961+/-295.373 χ^2/NDF: 53.1/56

In: 2247.332+/-280.628 χ^2/NDF:42.9/48

Out: 2315.125+/-279.247 χ^2/NDF:59.8/55

All: 2281.396+/-197.944 χ^2/NDF: 102.7/104

asym_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 1587.367+/-0.295 χ^2/NDF: 854585.7/25

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

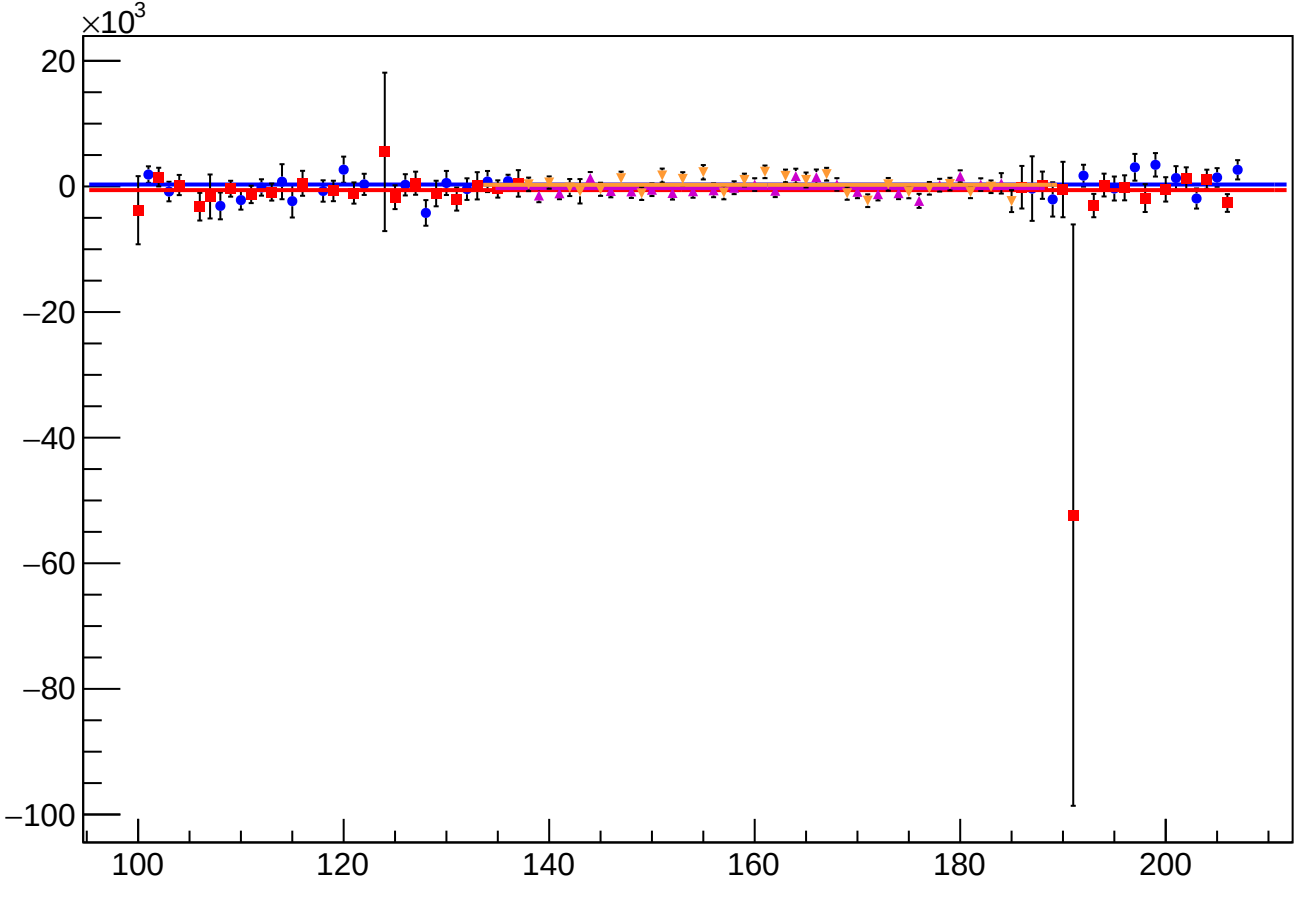
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1619.080+/-0.209 χ^2/NDF: 2236596.7/56

In: 1595.111+/-0.198 χ^2/NDF:1649564.1/48

Out: 1638.473+/-0.197 χ^2/NDF:2141172.0/55

All: 1616.899+/-0.140 χ^2/NDF: 3814729.5/10



Right In: 307.109+/-337.480 χ^2/NDF: 26.6/25

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

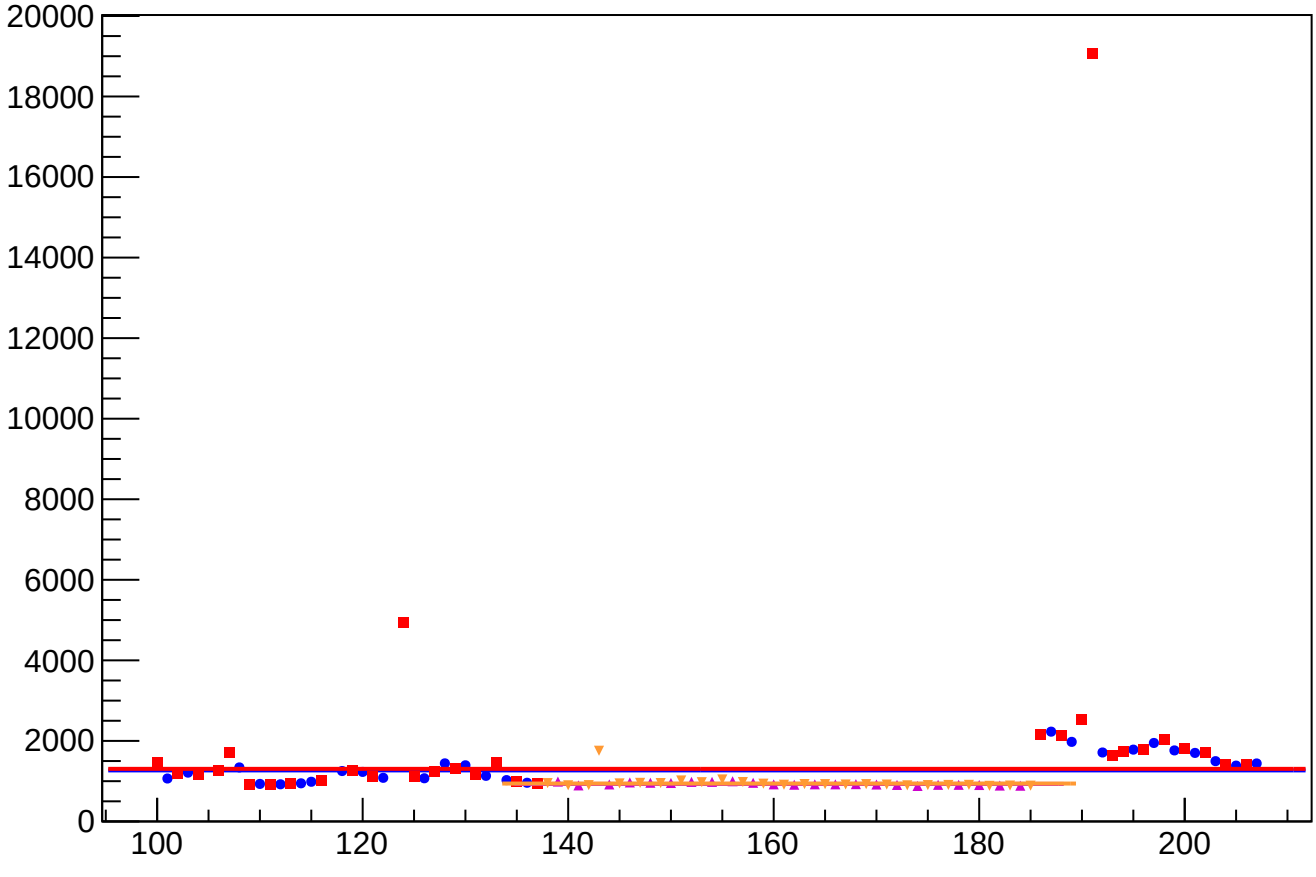
Right: -138.674+/-238.443 χ^2/NDF: 45.0/56

In: -98.358+/-182.931 χ^2/NDF:50.0/48

Out: 17.822+/-181.222 χ^2/NDF:53.3/55

All: -39.723+/-128.743 χ^2/NDF: 103.5/104

asym_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 1267.490+/-0.239 χ^2/NDF: 1659310.9/25

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

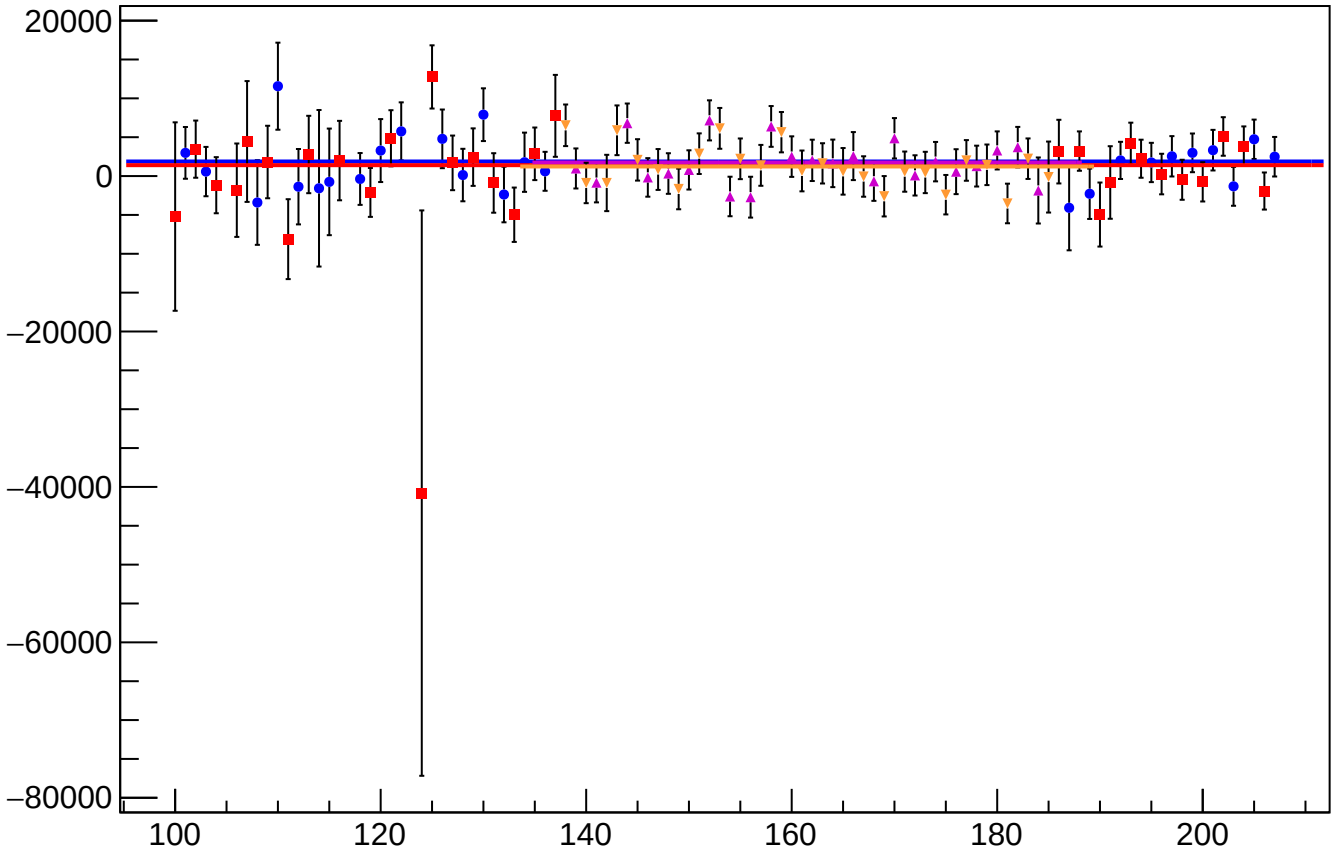
Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

Right: 1286.803+/-0.169 χ^2/NDF: 4305342.5/56

In: 1030.264+/-0.129 χ^2/NDF:3107631.5/48

Out: 1046.612+/-0.128 χ^2/NDF:4719086.0/55

All: 1038.515+/-0.091 χ^2/NDF: 7834779.4/10



Right In: 1875.705+/-633.909 χ^2/NDF: 18.6/25

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

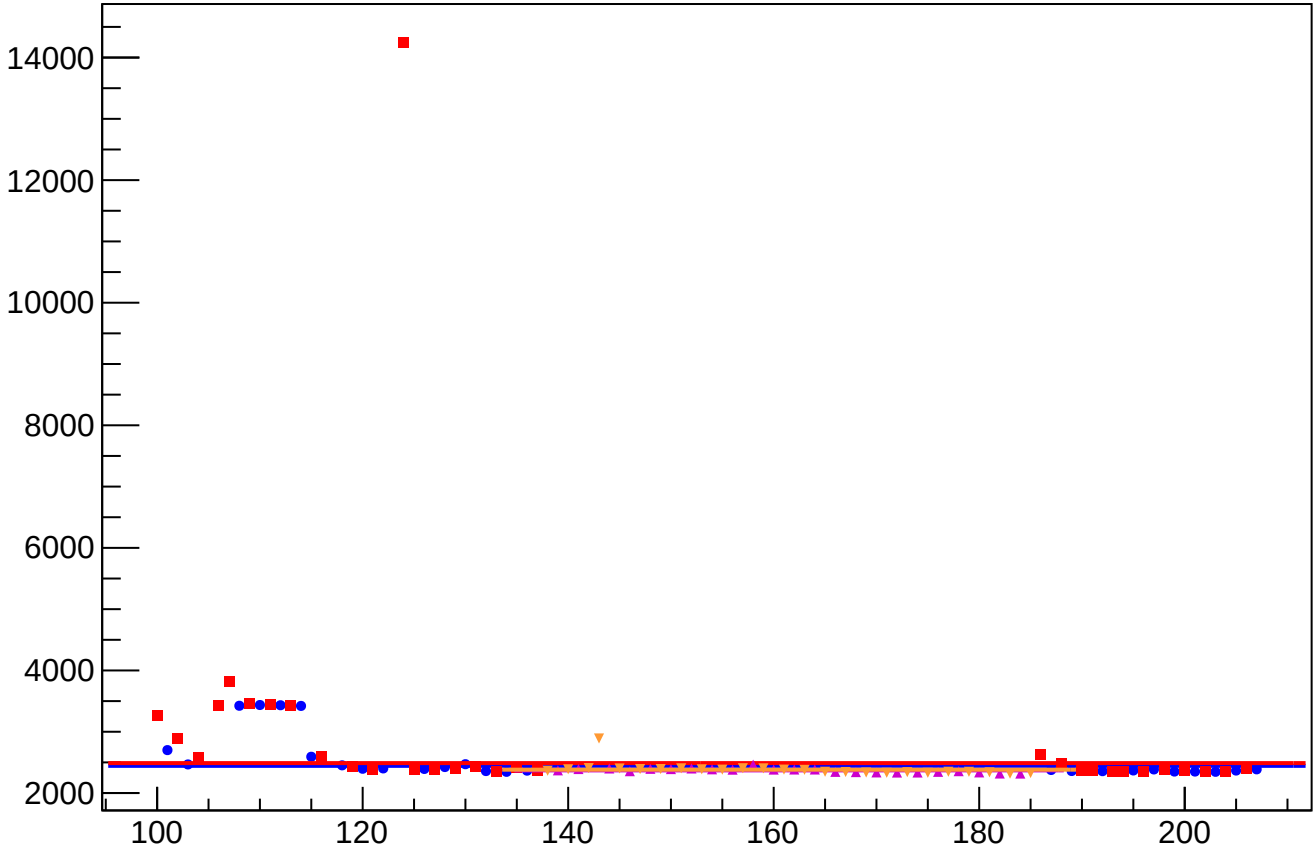
Right: 1633.310+/-443.029 χ^2/NDF: 51.8/56

In: 1799.657+/-416.827 χ^2/NDF:43.0/48

Out: 1307.100+/-407.590 χ^2/NDF:56.8/55

All: 1547.861+/-291.421 χ^2/NDF: 100.5/104

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2443.738+/-0.448 χ^2/NDF: 266256.2/25

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

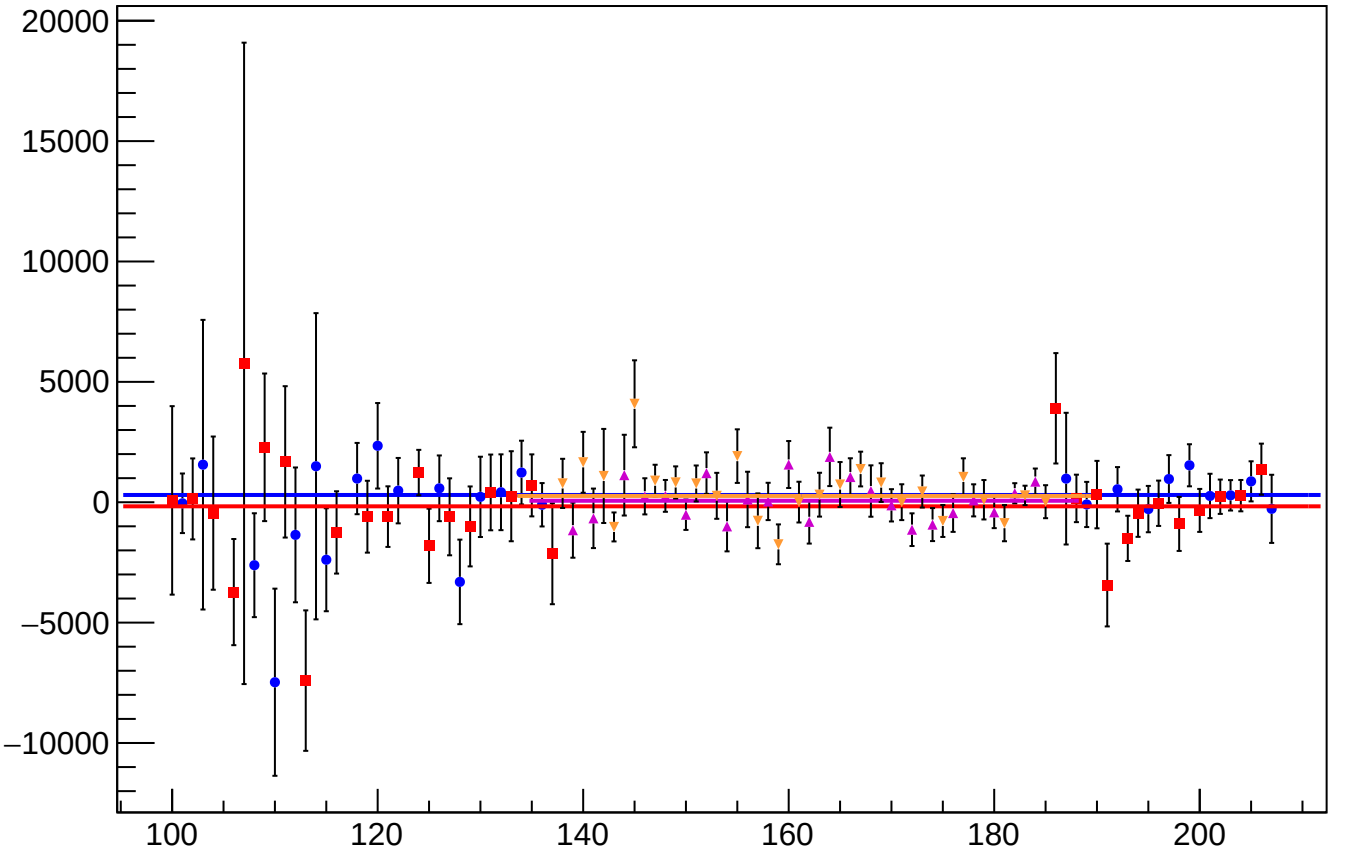
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2466.639+/-0.313 χ^2/NDF: 904871.2/56

In: 2401.533+/-0.295 χ^2/NDF:288909.0/48

Out: 2427.682+/-0.288 χ^2/NDF:725145.3/55

All: 2414.900+/-0.206 χ^2/NDF: 1018078.0/10



Right In: 301.801+/-238.660 χ^2/NDF: 18.2/25

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

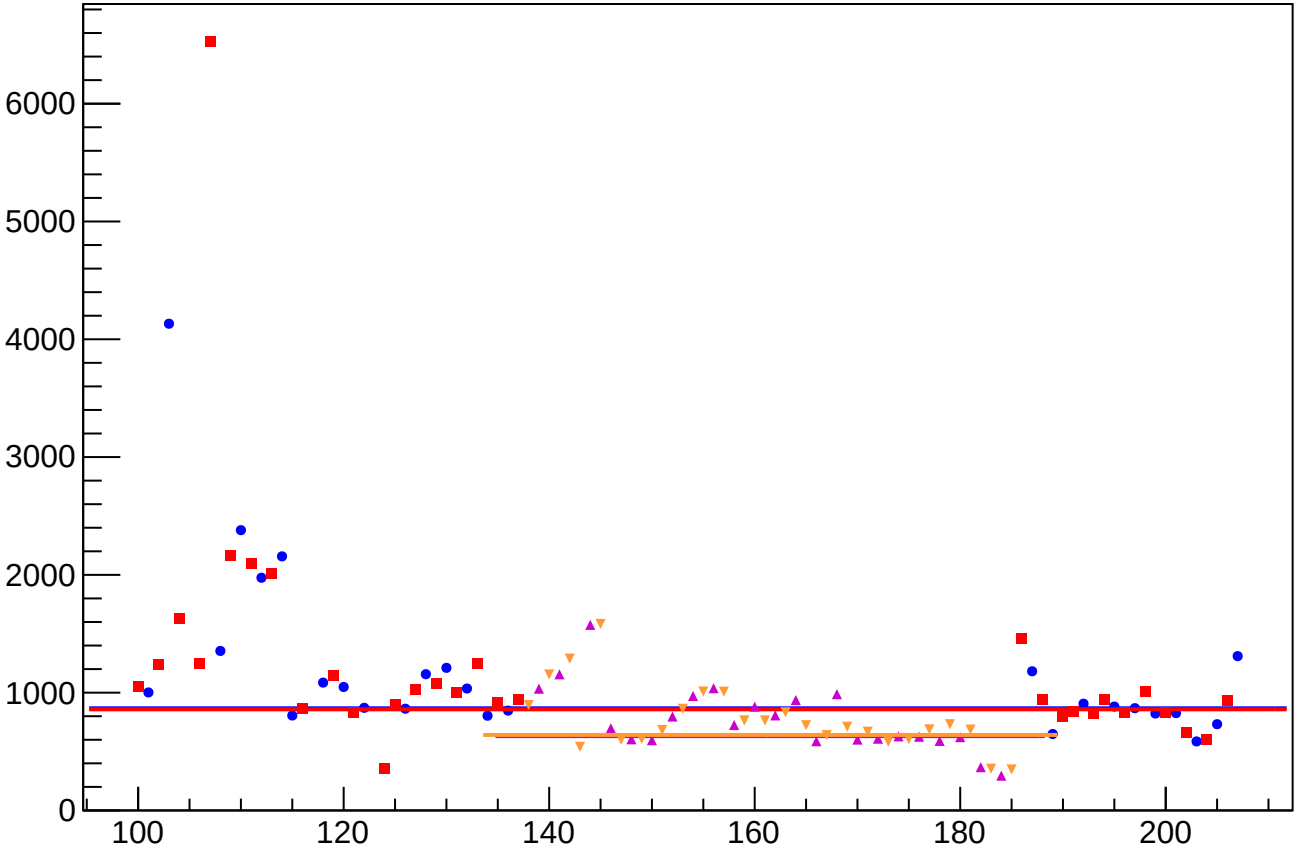
Right: 57.072+/-165.557 χ^2/NDF: 48.5/56

In: 134.656+/-131.393 χ^2/NDF:40.9/48

Out: 128.085+/-127.944 χ^2/NDF:61.8/55

All: 131.283+/-91.665 χ^2/NDF: 102.7/104

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 867.086+/-0.169 χ^2/NDF: 2439705.7/25

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

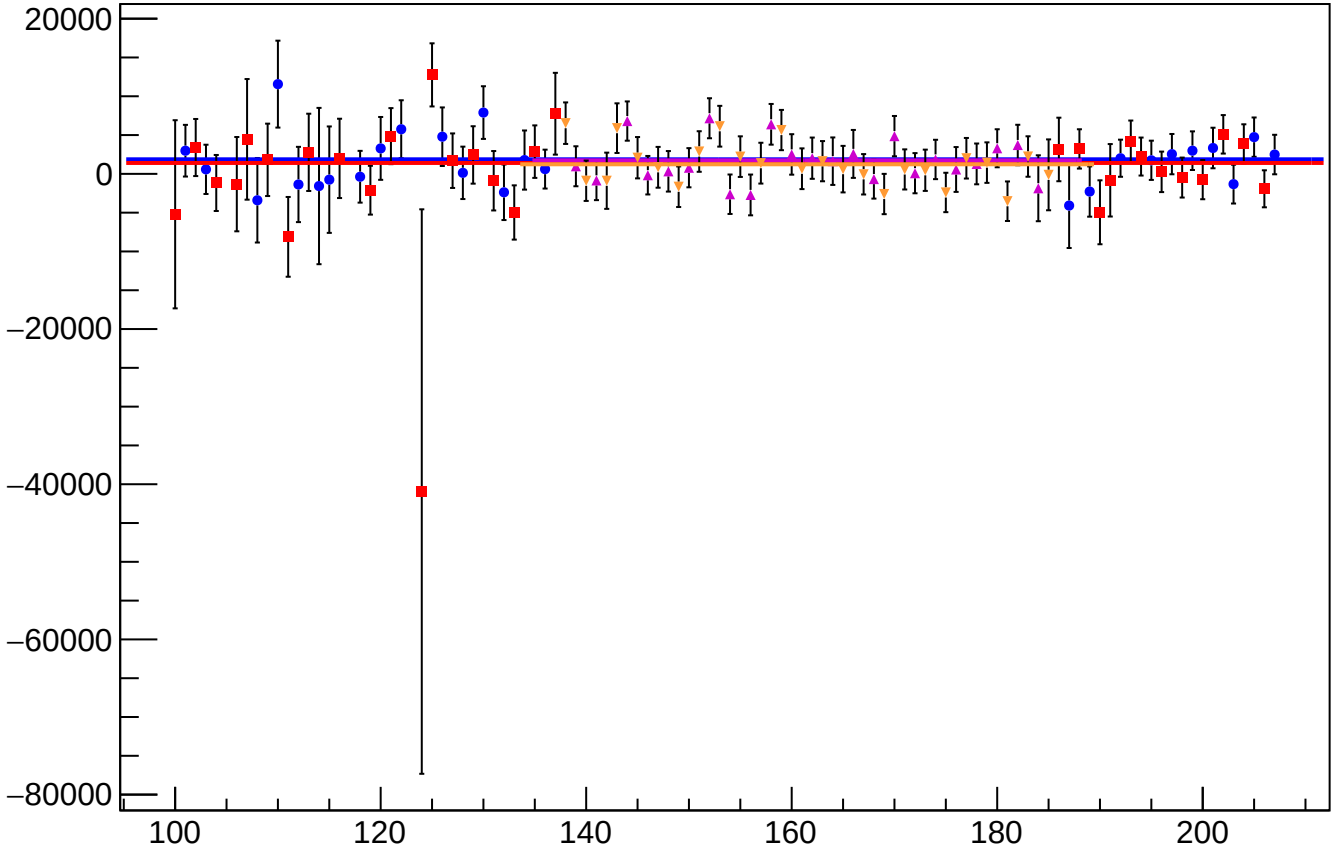
Right: 862.602+/-0.117 χ^2/NDF: 5574445.1/56

In: 702.696+/-0.093 χ^2/NDF:7776744.9/48

Out: 708.481+/-0.090 χ^2/NDF:7841742.8/55

All: 705.665+/-0.065 χ^2/NDF: 15620477.6/10

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1875.950+/-633.909 χ^2/NDF: 18.6/25

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

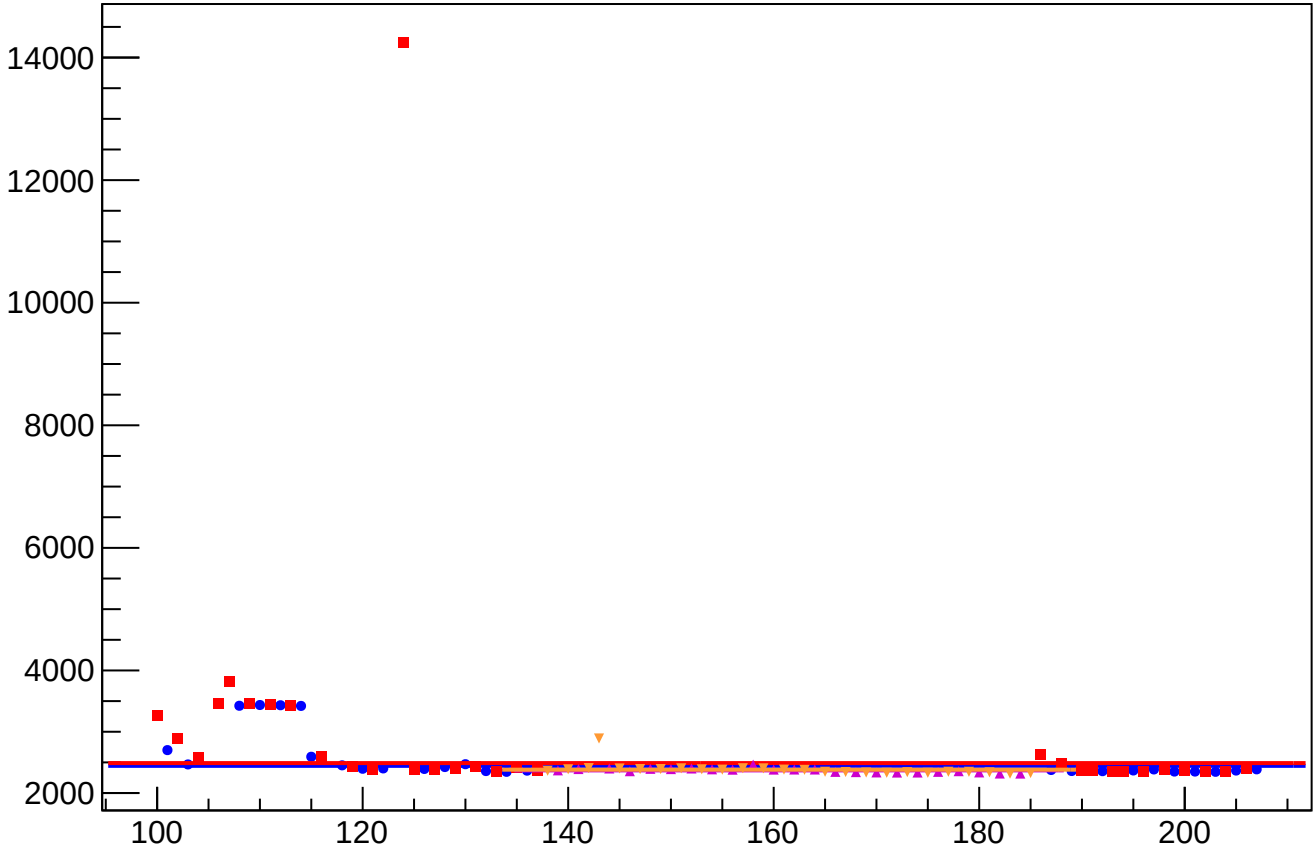
Right: 1635.423+/-443.056 χ^2/NDF: 51.7/56

In: 1799.794+/-416.827 χ^2/NDF:43.0/48

Out: 1308.740+/-407.612 χ^2/NDF:56.7/55

All: 1548.778+/-291.429 χ^2/NDF: 100.4/104

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2443.738+/-0.448 χ^2/NDF: 266256.2/25

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

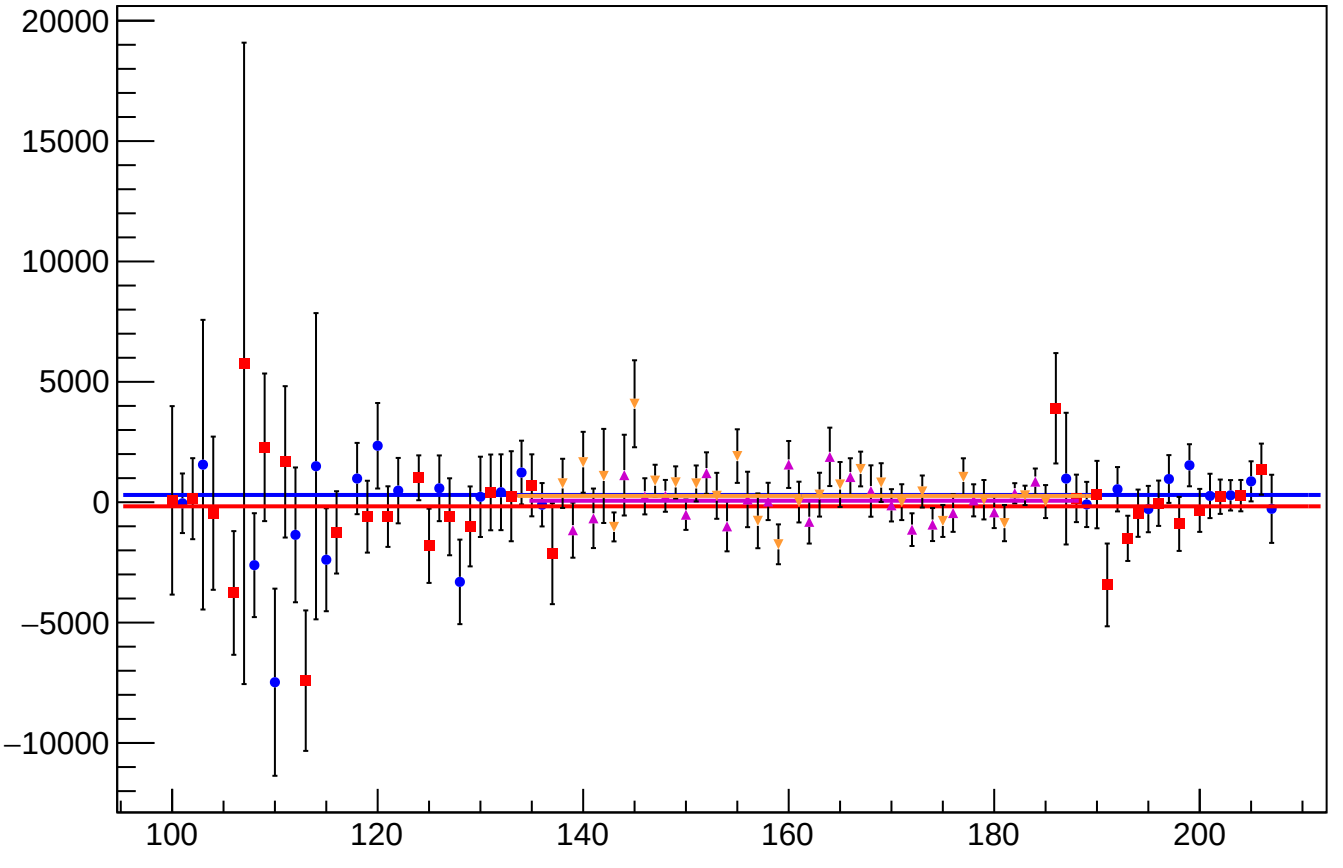
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2466.729+/-0.313 χ^2/NDF: 907823.2/56

In: 2401.533+/-0.295 χ^2/NDF:288909.1/48

Out: 2427.755+/-0.288 χ^2/NDF:728167.1/55

All: 2414.937+/-0.206 χ^2/NDF: 1021122.0/10



Right In: 301.693+/-238.659 χ^2/NDF: 18.2/25

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -170.801+/-230.001 χ^2/NDF: 27.0/30

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

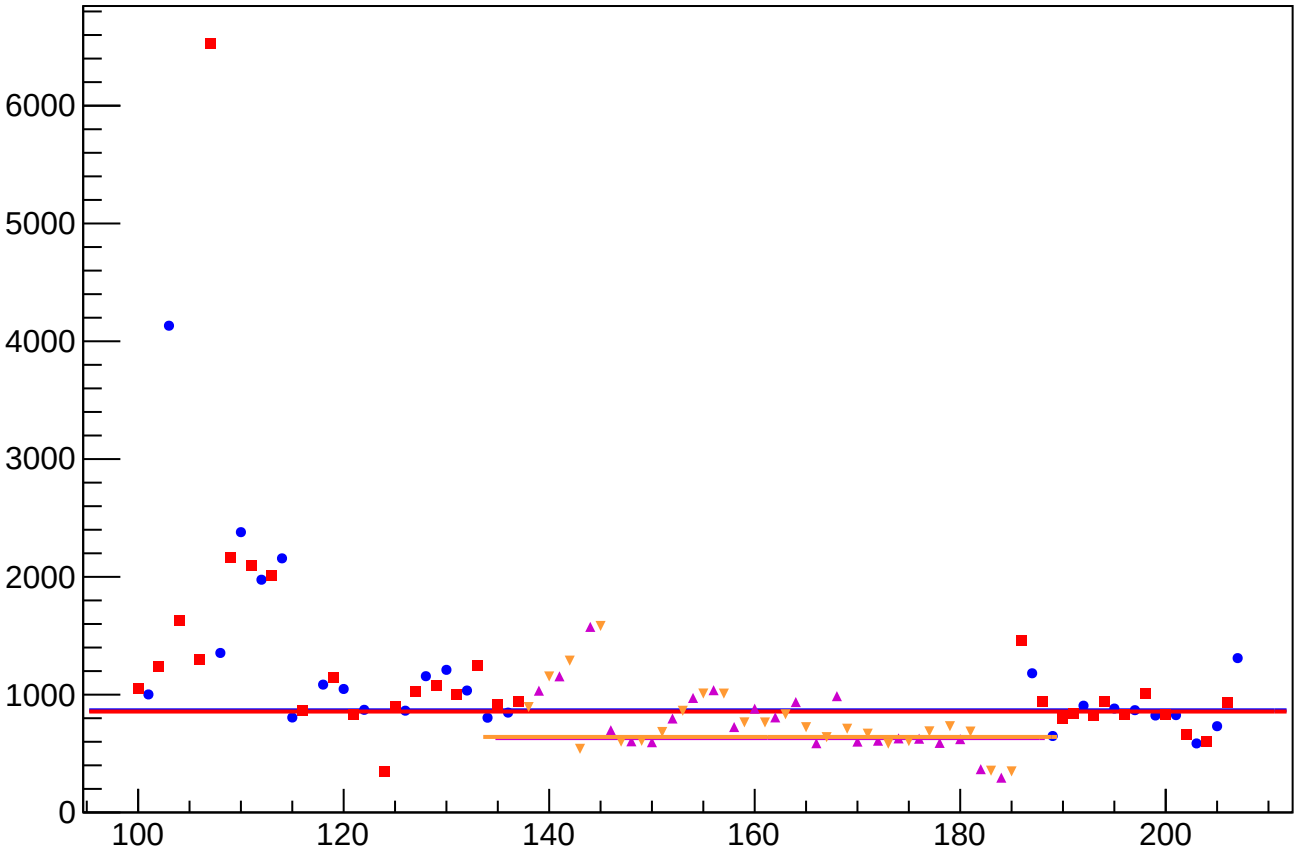
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 56.720+/-165.612 χ^2/NDF: 47.2/56

In: 134.634+/-131.393 χ^2/NDF:40.9/48

Out: 128.126+/-127.971 χ^2/NDF:60.6/55

All: 131.295+/-91.675 χ^2/NDF: 101.5/104



Right In: 867.085+/-0.169 χ^2/NDF: 2439726.3/25

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

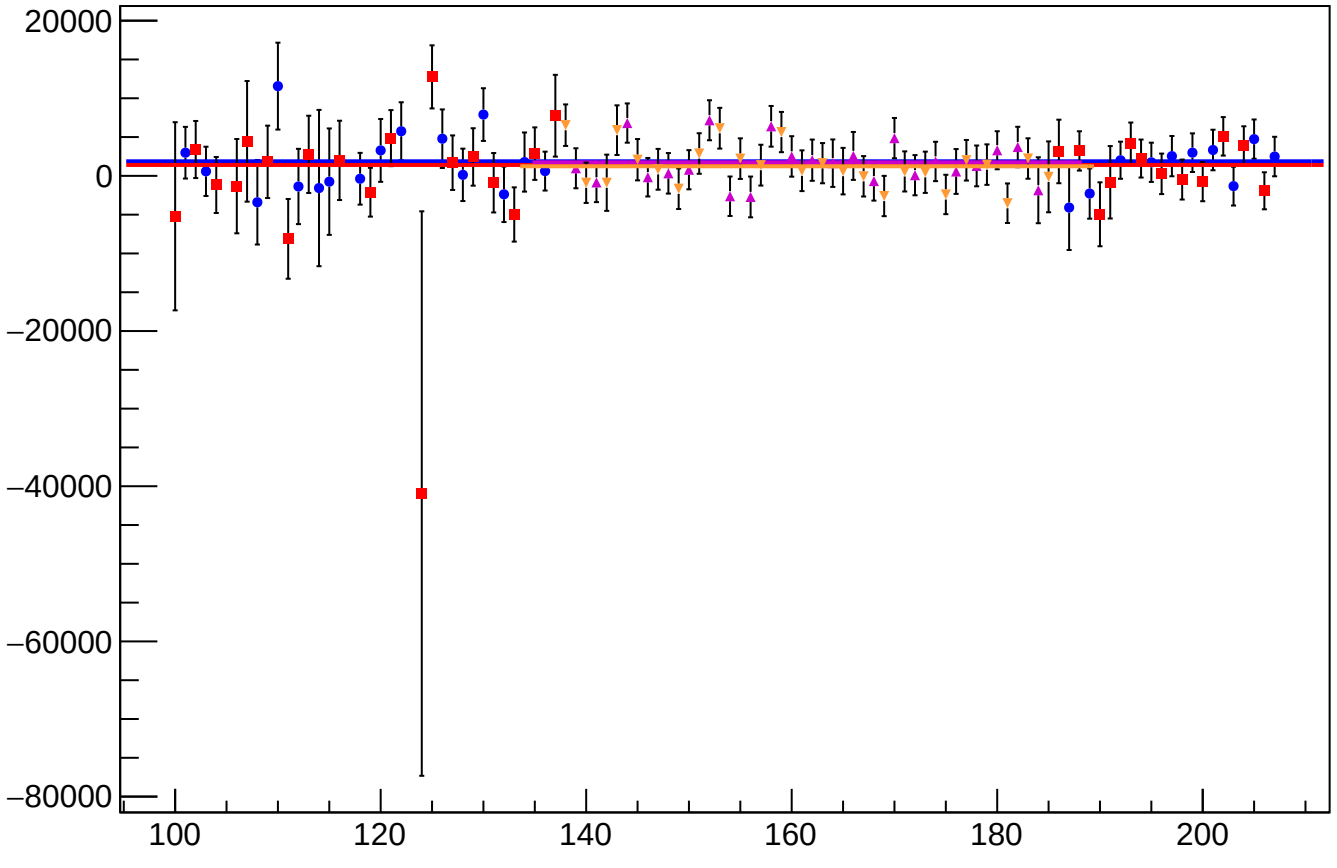
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 861.668+/-0.117 χ^2/NDF: 5596490.1/56

In: 702.694+/-0.093 χ^2/NDF:7776913.9/48

Out: 707.873+/-0.090 χ^2/NDF:7841234.3/55

All: 705.352+/-0.065 χ^2/NDF: 15619742.9/10



Right In: 1875.950+/-633.909 χ^2/NDF: 18.6/25

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

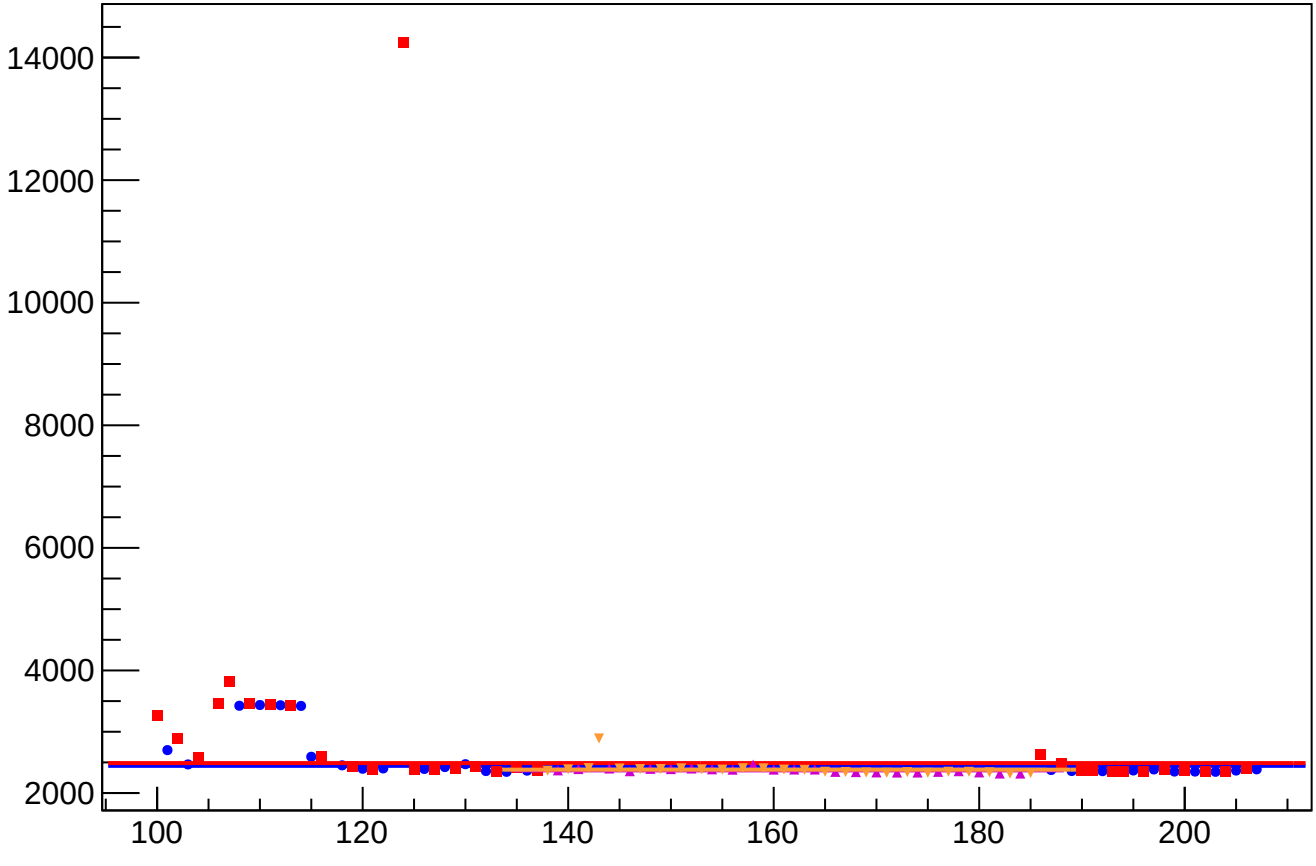
Right: 1635.423+/-443.056 χ^2/NDF: 51.7/56

In: 1799.794+/-416.827 χ^2/NDF:43.0/48

Out: 1308.740+/-407.612 χ^2/NDF:56.7/55

All: 1548.778+/-291.429 χ^2/NDF: 100.4/104

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2443.738+/-0.448 χ^2/NDF: 266256.2/25

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

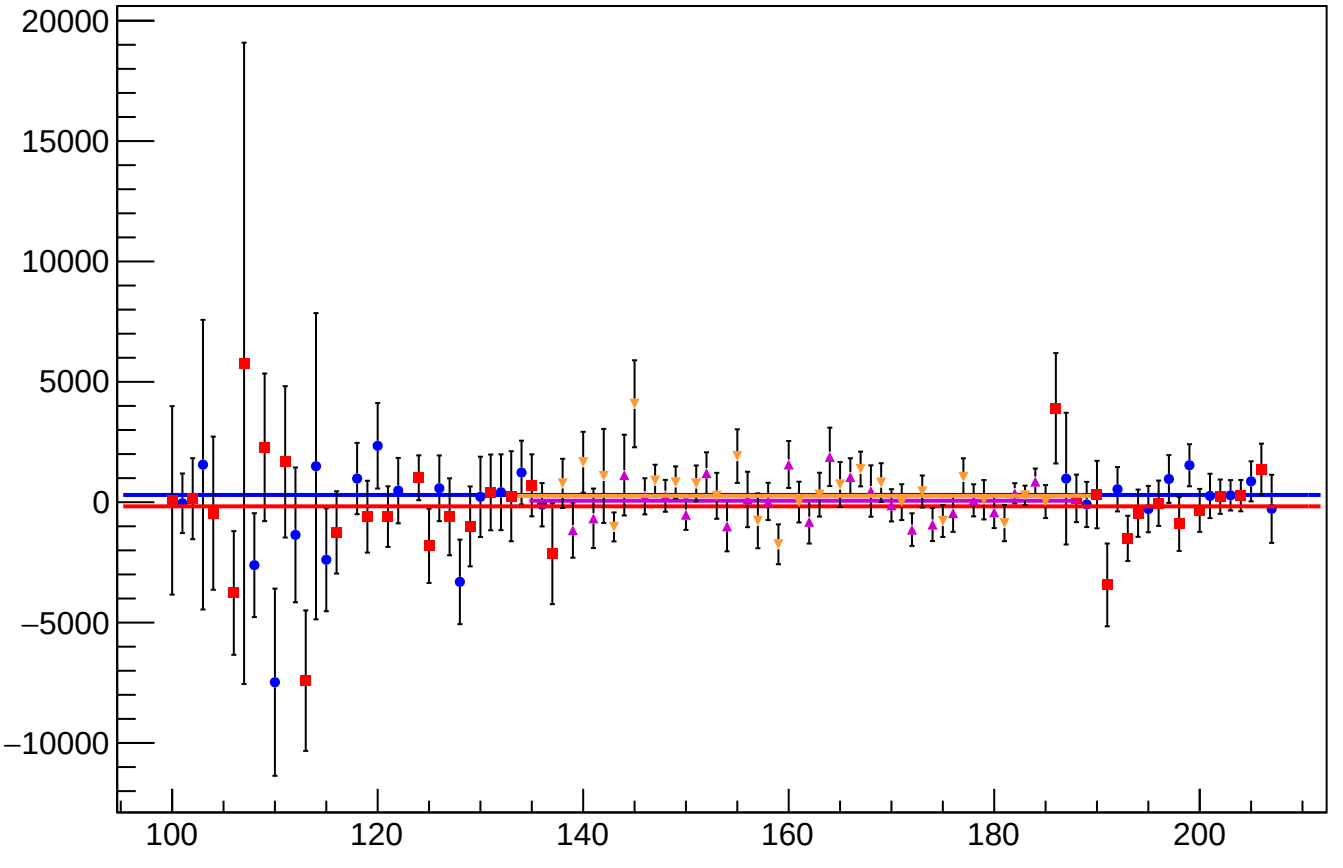
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2466.729+/-0.313 χ^2/NDF: 907823.2/56

In: 2401.533+/-0.295 χ^2/NDF:288909.1/48

Out: 2427.755+/-0.288 χ^2/NDF:728167.1/55

All: 2414.937+/-0.206 χ^2/NDF: 1021122.0/10



Right In: 301.693+/-238.659 χ^2/NDF: 18.2/25

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -170.801+/-230.001 χ^2/NDF: 27.0/30

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

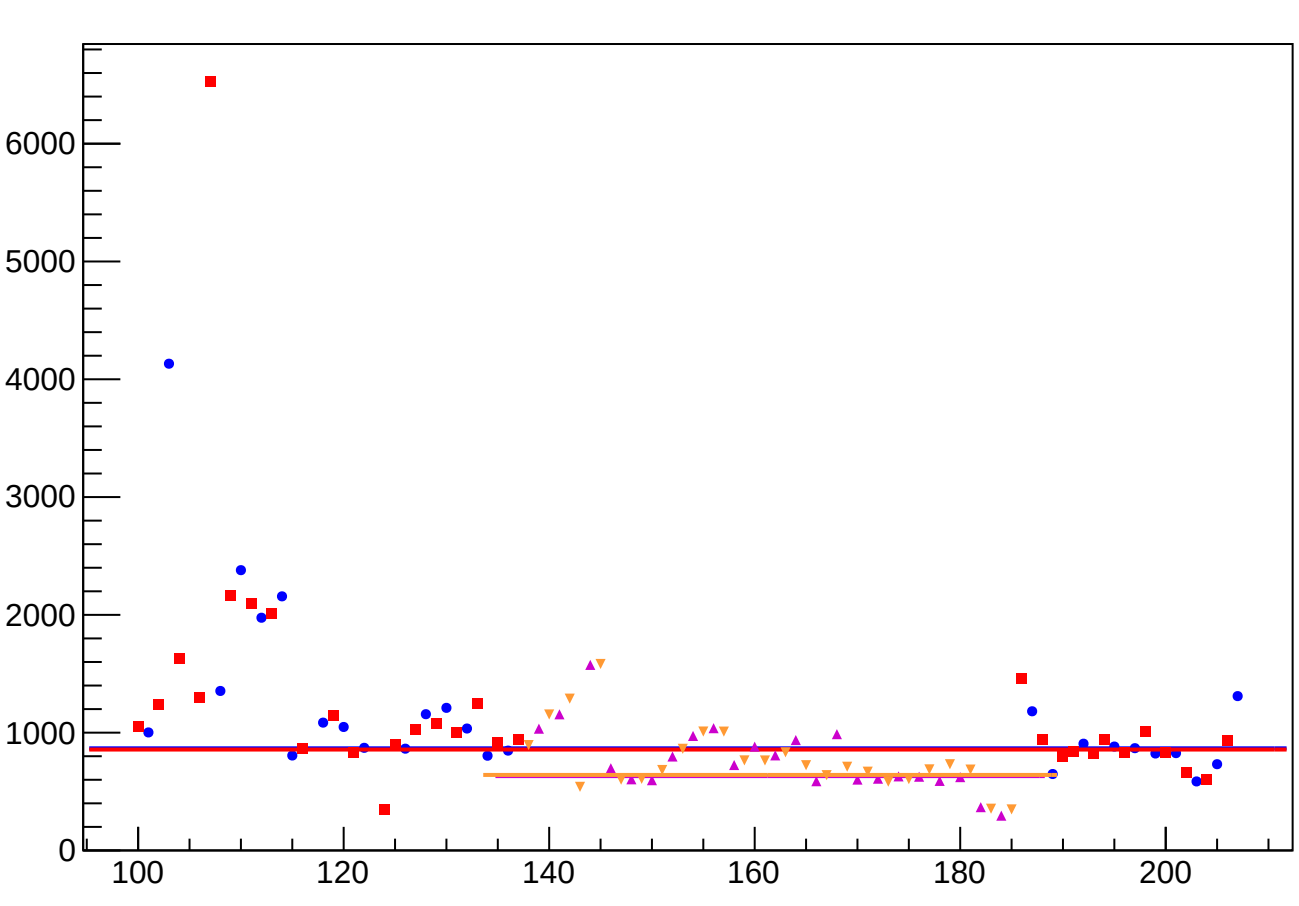
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 56.720+/-165.612 χ^2/NDF: 47.2/56

In: 134.634+/-131.393 χ^2/NDF:40.9/48

Out: 128.126+/-127.971 χ^2/NDF:60.6/55

All: 131.295+/-91.675 χ^2/NDF: 101.5/104



Right In: 867.085+/-0.169 χ^2/NDF: 2439726.3/25

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

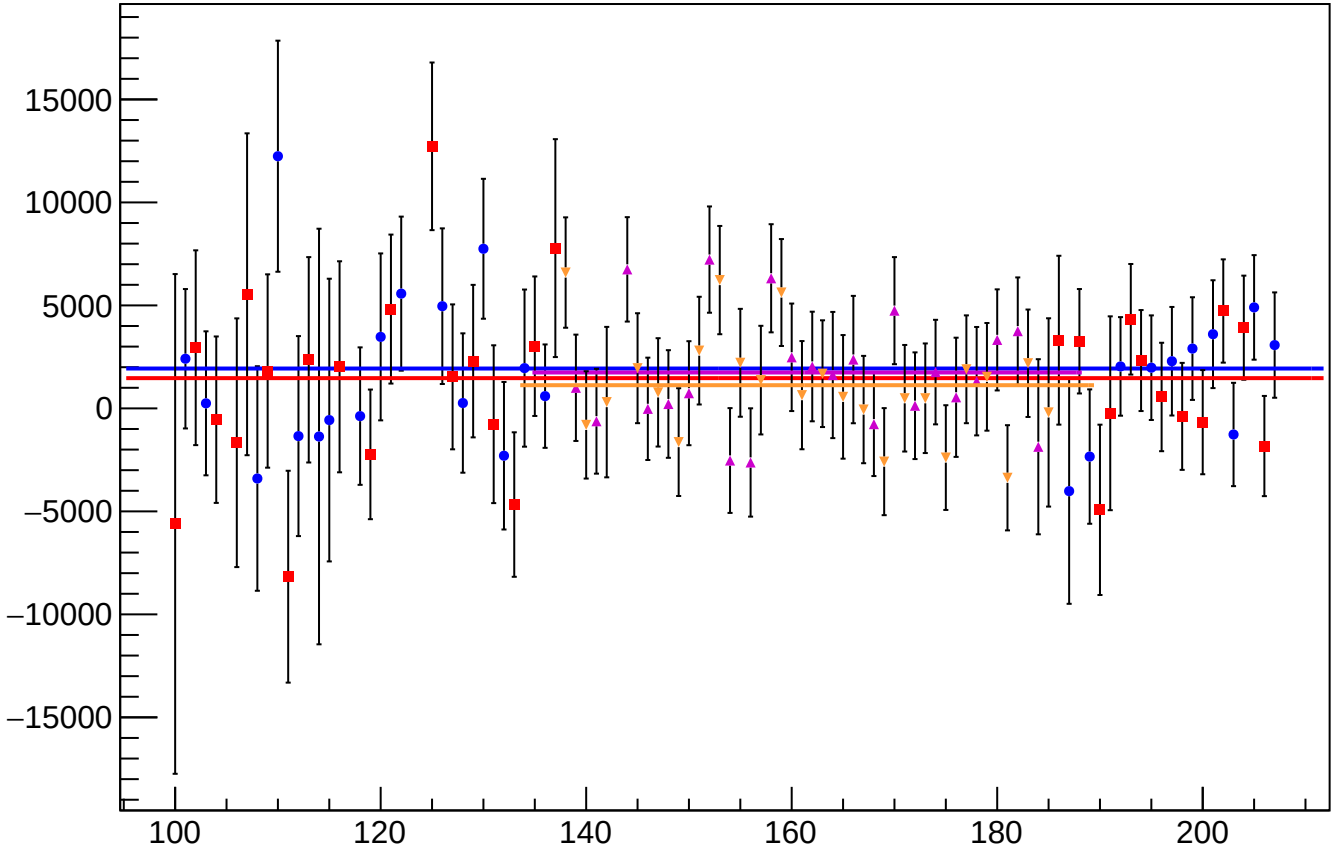
Right: 861.668+/-0.117 χ^2/NDF: 5596490.1/56

In: 702.694+/-0.093 χ^2/NDF:7776913.9/48

Out: 707.873+/-0.090 χ^2/NDF:7841234.3/55

All: 705.352+/-0.065 χ^2/NDF: 15619742.9/10

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1935.564+/-638.225 χ^2/NDF: 19.0/25

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

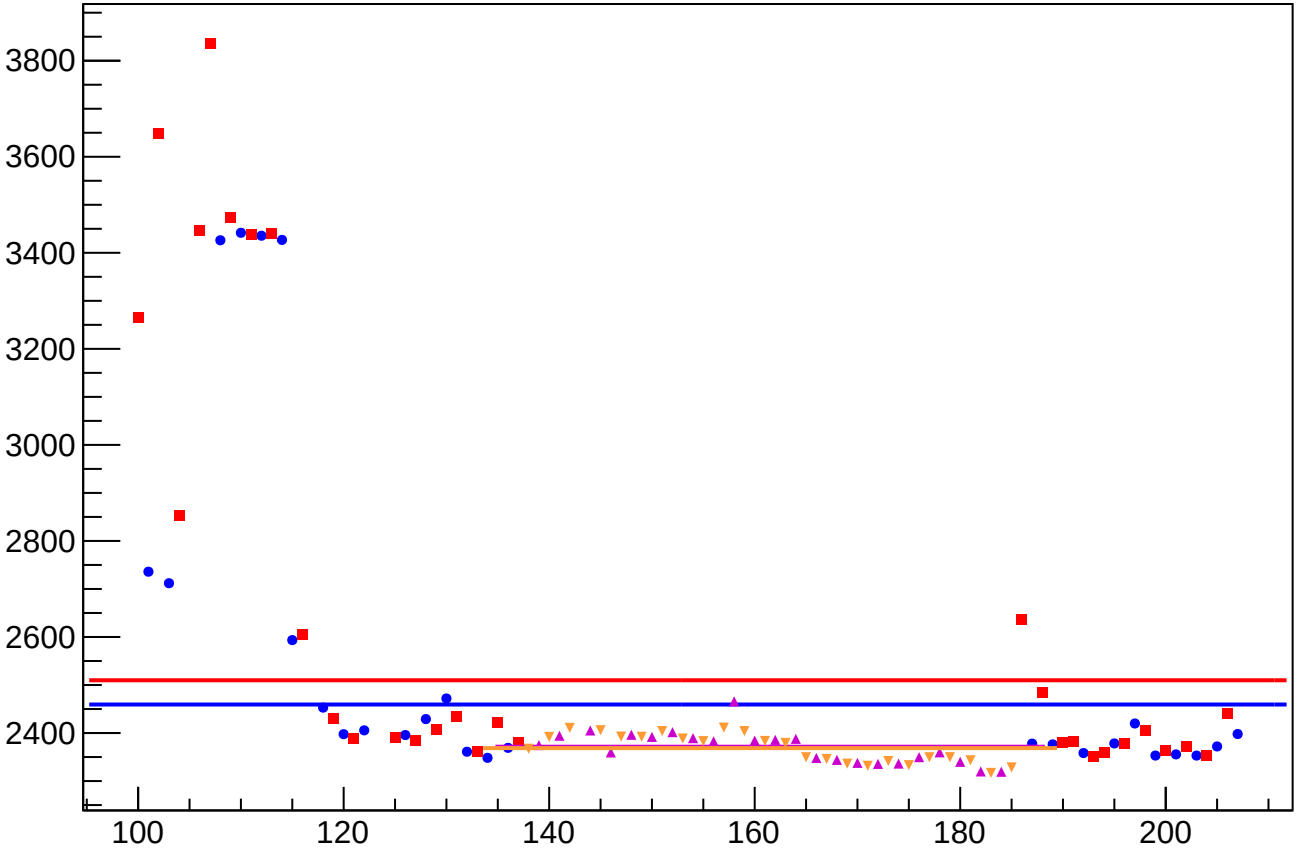
Right: 1698.157+/-447.459 χ^2/NDF: 49.4/55

In: 1825.307+/-418.263 χ^2/NDF:42.8/48

Out: 1274.566+/-413.545 χ^2/NDF:51.4/53

All: 1546.813+/-294.074 χ^2/NDF: 95.2/102

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2459.366+/-0.451 χ^2/NDF: 277194.6/25

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

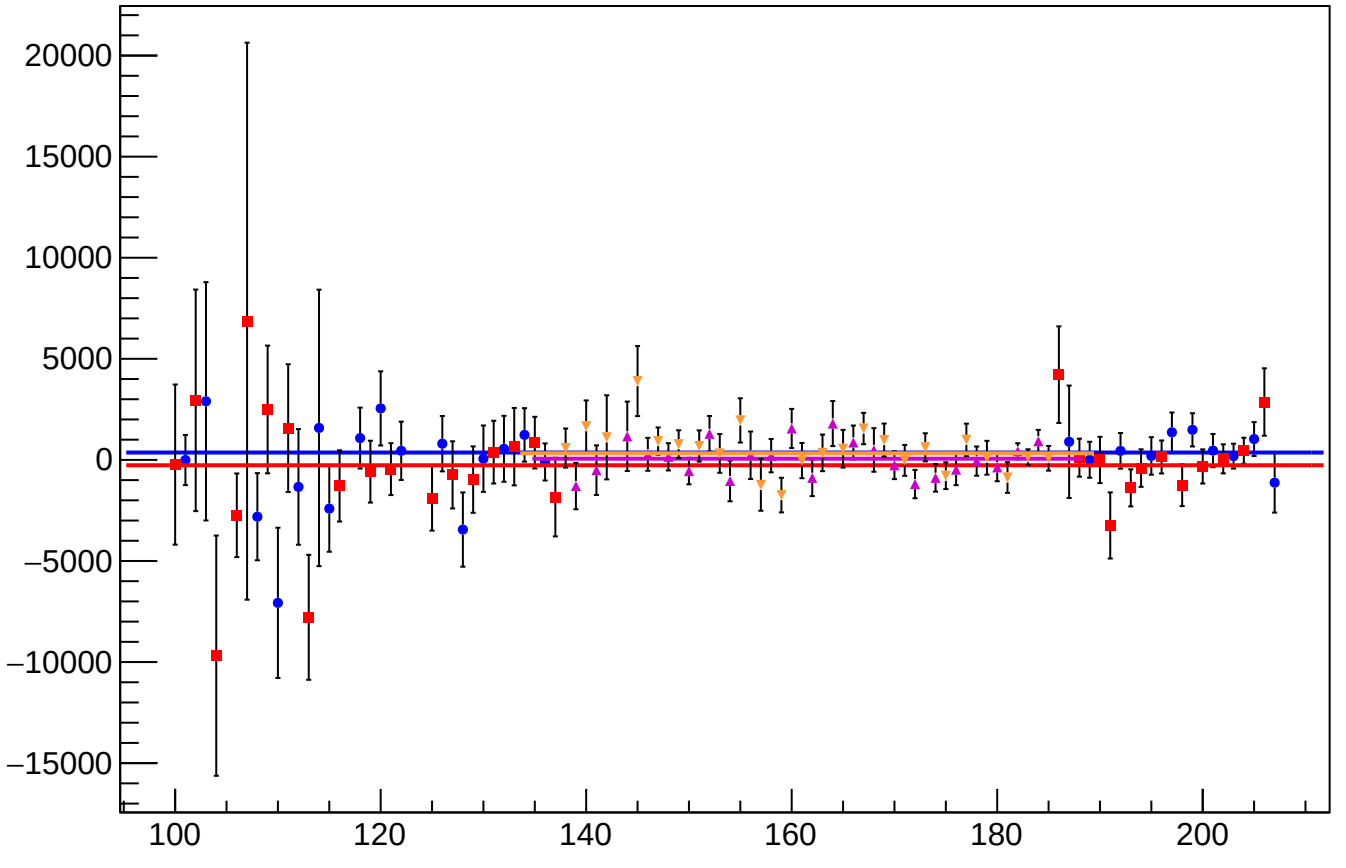
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2485.046+/-0.316 χ^2/NDF: 814004.5/55

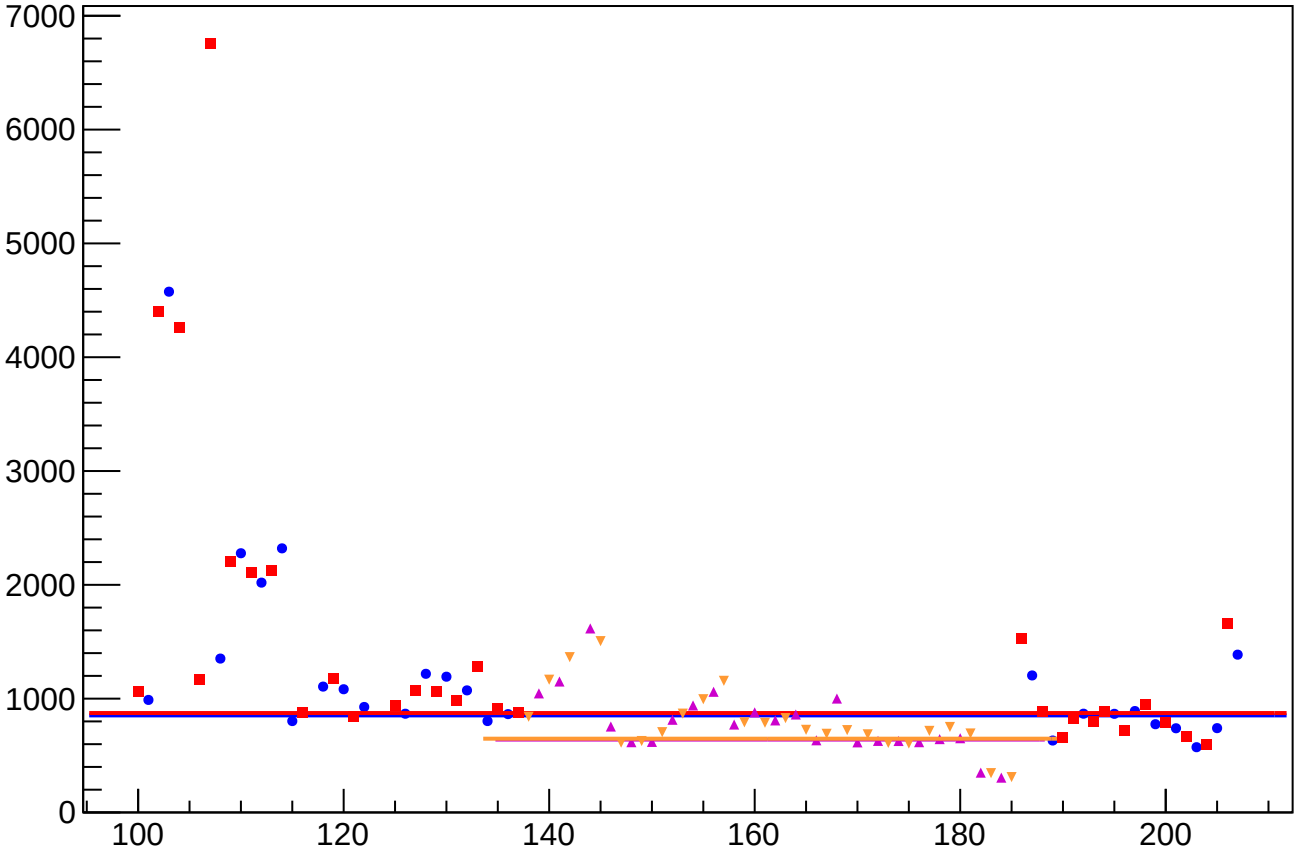
In: 2409.248+/-0.296 χ^2/NDF:305865.7/48

Out: 2429.937+/-0.292 χ^2/NDF:593379.6/53

All: 2419.710+/-0.208 χ^2/NDF: 901719.8/102


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: 364.265+/-234.143 χ²/NDF: 20.2/25
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: 51.279+/-165.962 χ²/NDF: 53.6/55
In: 156.319+/-131.916 χ²/NDF:44.1/48
Out: 139.095+/-132.328 χ²/NDF:60.9/53
All: 147.734+/-93.424 χ²/NDF: 105.0/102

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 852.898+/-0.166 χ^2/NDF: 2869303.1/25

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

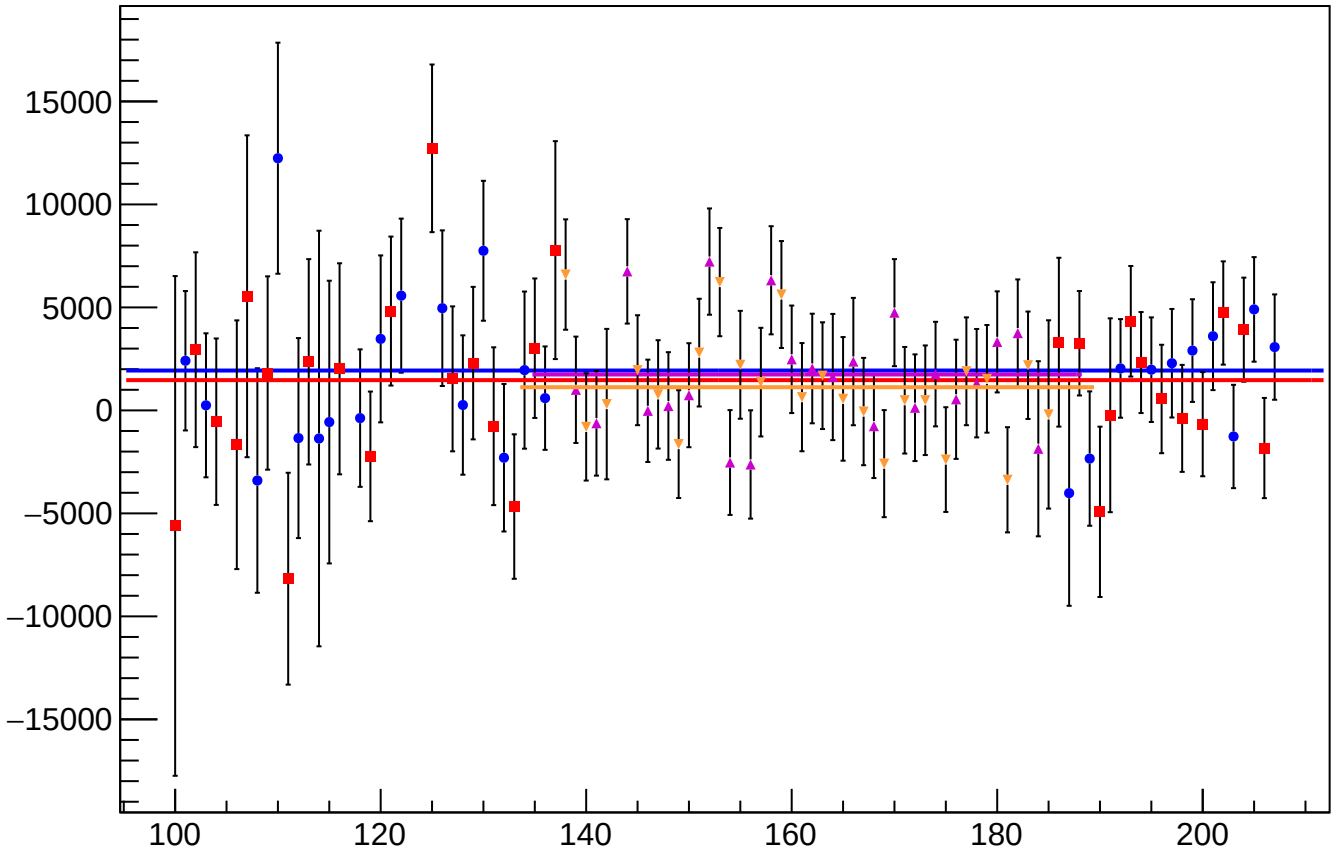
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 863.179+/-0.117 χ^2/NDF: 7319120.1/55

In: 707.866+/-0.093 χ^2/NDF:8122257.8/48

Out: 719.422+/-0.094 χ^2/NDF:9584674.2/53

All: 713.626+/-0.066 χ^2/NDF: 17714582.5/10



Right In: 1935.562+/-638.225 χ^2/NDF: 19.0/25

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

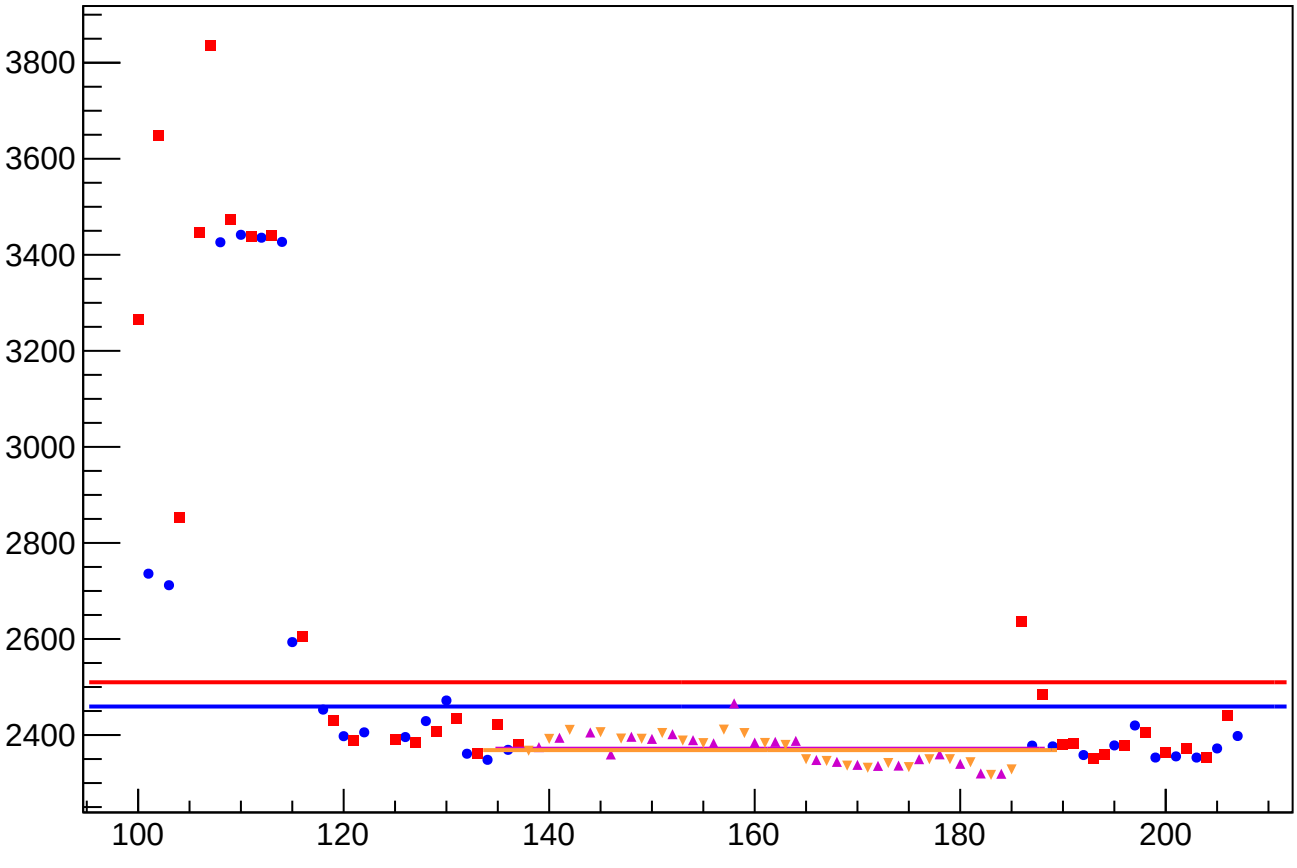
Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

Right: 1698.155+/-447.459 χ^2/NDF: 49.4/55

In: 1825.307+/-418.263 χ^2/NDF:42.8/48

Out: 1274.566+/-413.545 χ^2/NDF:51.4/53

All: 1546.813+/-294.074 χ^2/NDF: 95.2/102



Right In: 2459.366+/-0.451 χ^2/NDF: 277194.1/25

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

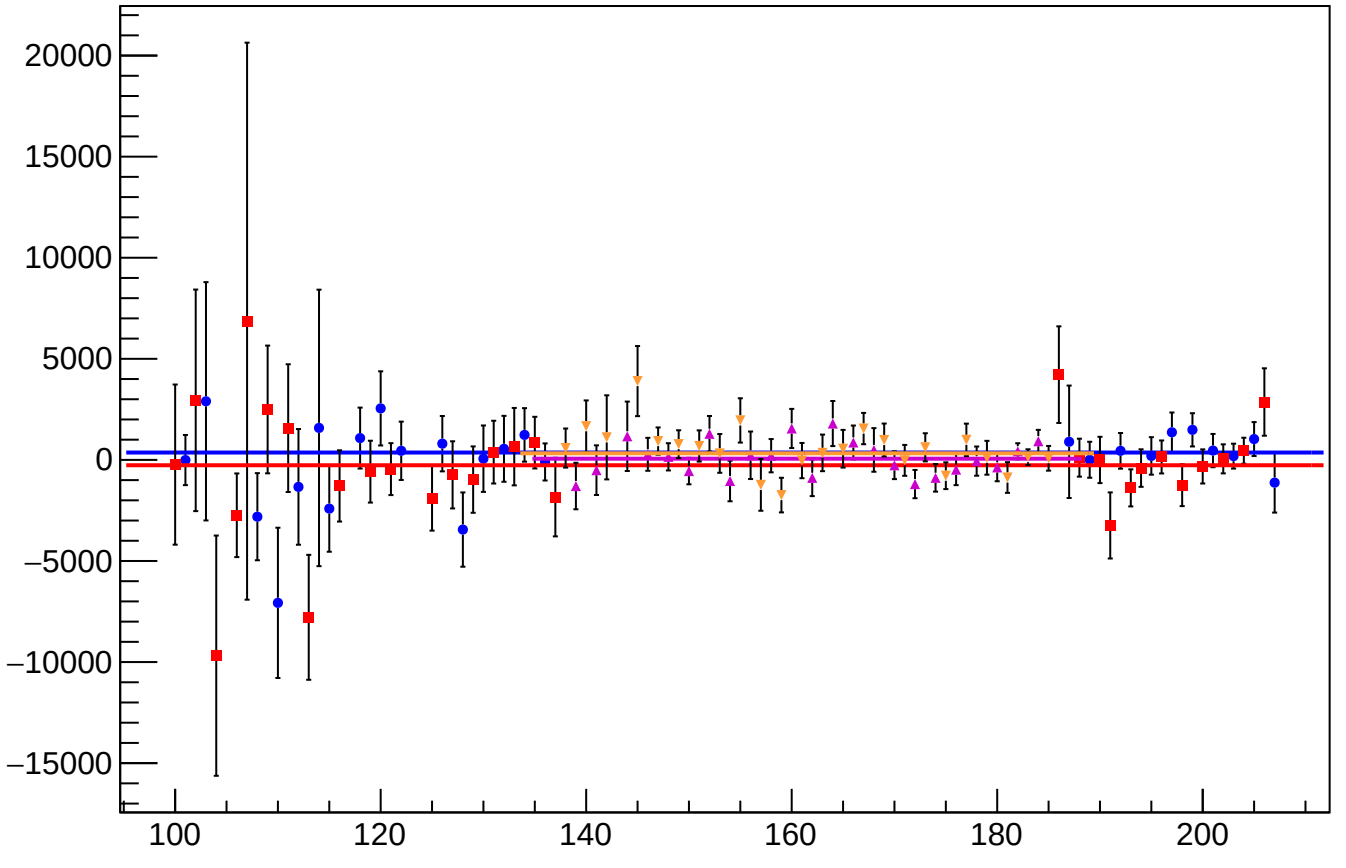
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2485.045+/-0.316 χ^2/NDF: 814003.2/55

In: 2409.248+/-0.296 χ^2/NDF:305865.2/48

Out: 2429.937+/-0.292 χ^2/NDF:593378.6/53

All: 2419.710+/-0.208 χ^2/NDF: 901718.3/102



Right In: 364.264+/-234.143 χ^2/NDF: 20.2/25

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

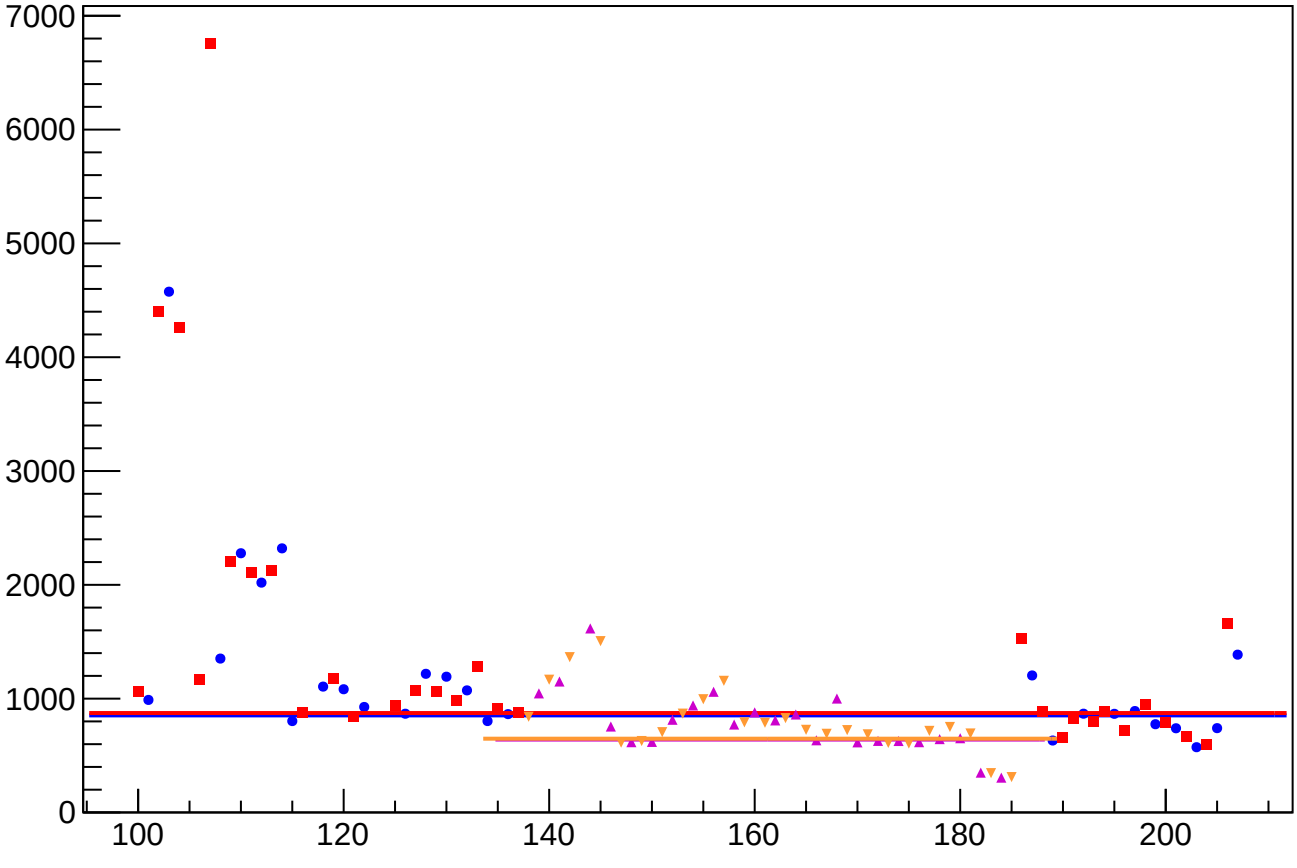
Right: 51.278+/-165.962 χ^2/NDF: 53.6/55

In: 156.319+/-131.916 χ^2/NDF:44.1/48

Out: 139.094+/-132.328 χ^2/NDF:60.9/53

All: 147.733+/-93.424 χ^2/NDF: 105.0/102

asym_atl1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 852.898+/-0.166 χ^2/NDF: 2869304.9/25

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

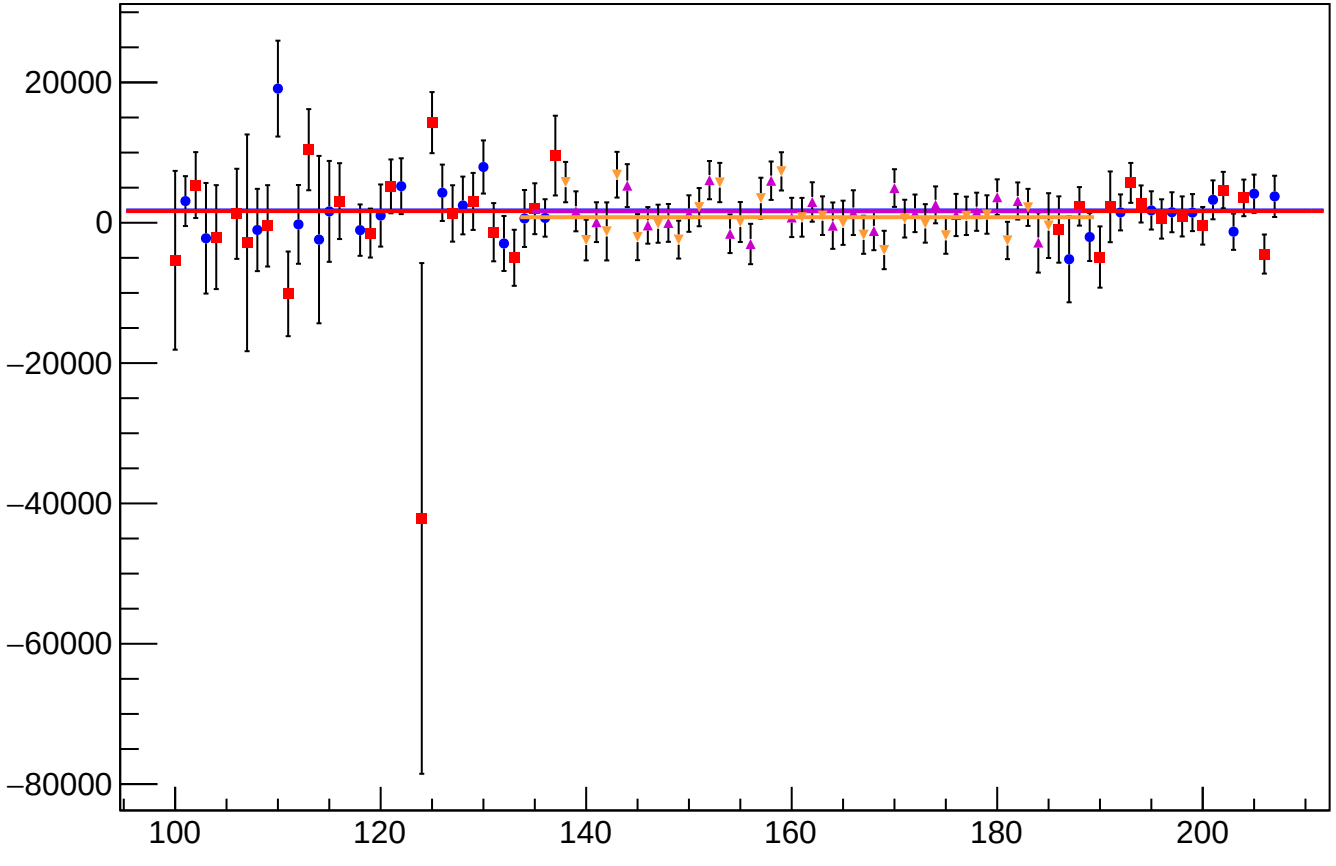
Right: 863.179+/-0.117 χ^2/NDF: 7319126.2/55

In: 707.867+/-0.093 χ^2/NDF:8122260.8/48

Out: 719.423+/-0.094 χ^2/NDF:9584675.1/53

All: 713.627+/-0.066 χ^2/NDF: 17714586.6/10

asym_atl1_mean vs Slug, Sign Corrected



Right In: 1746.709+/-699.423 χ^2/NDF: 18.9/25

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

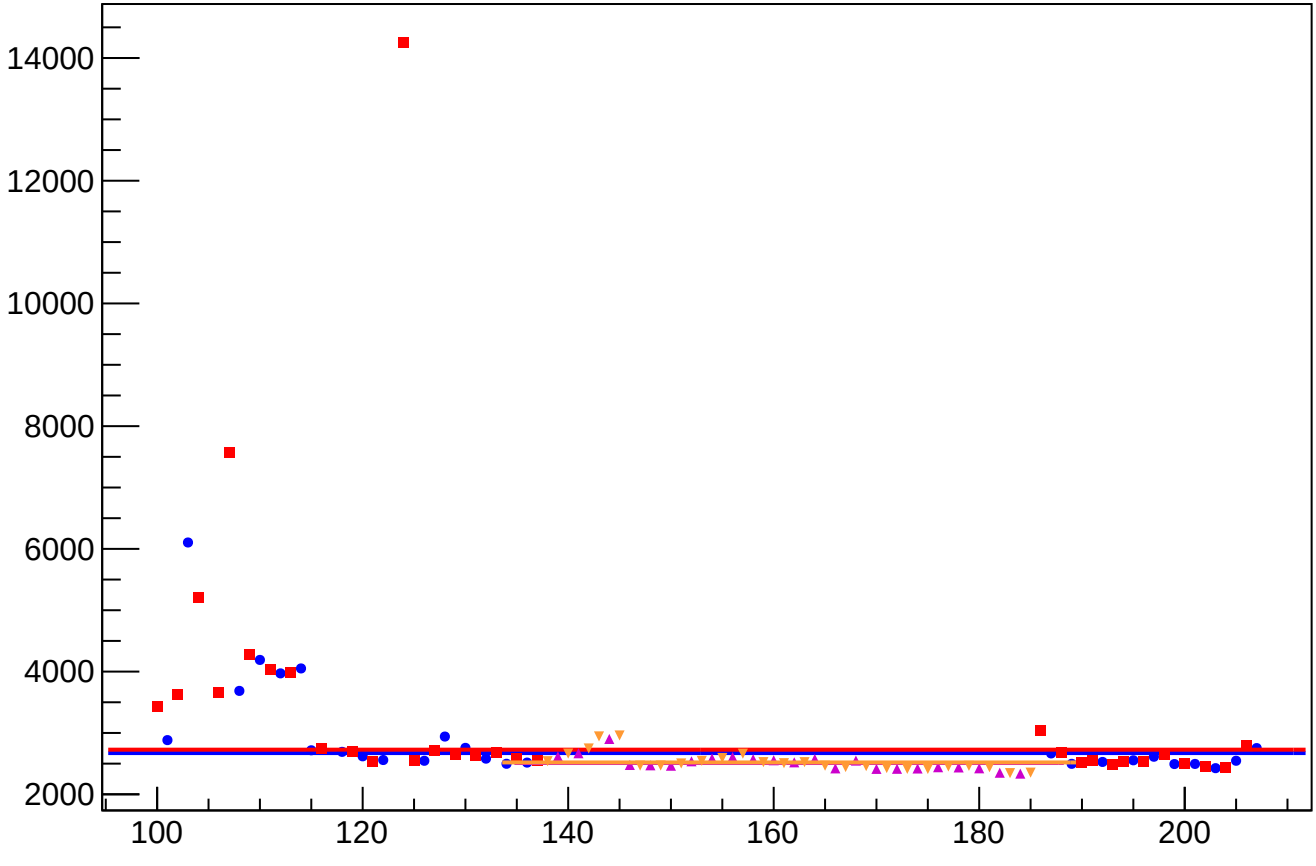
Right: 1704.727+/-489.857 χ^2/NDF: 55.7/56

In: 1692.664+/-449.527 χ^2/NDF:36.2/48

Out: 1150.173+/-439.967 χ^2/NDF:64.8/55

All: 1415.588+/-314.429 χ^2/NDF: 101.8/104

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2672.115+/-0.495 χ^2/NDF: 761180.6/25

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

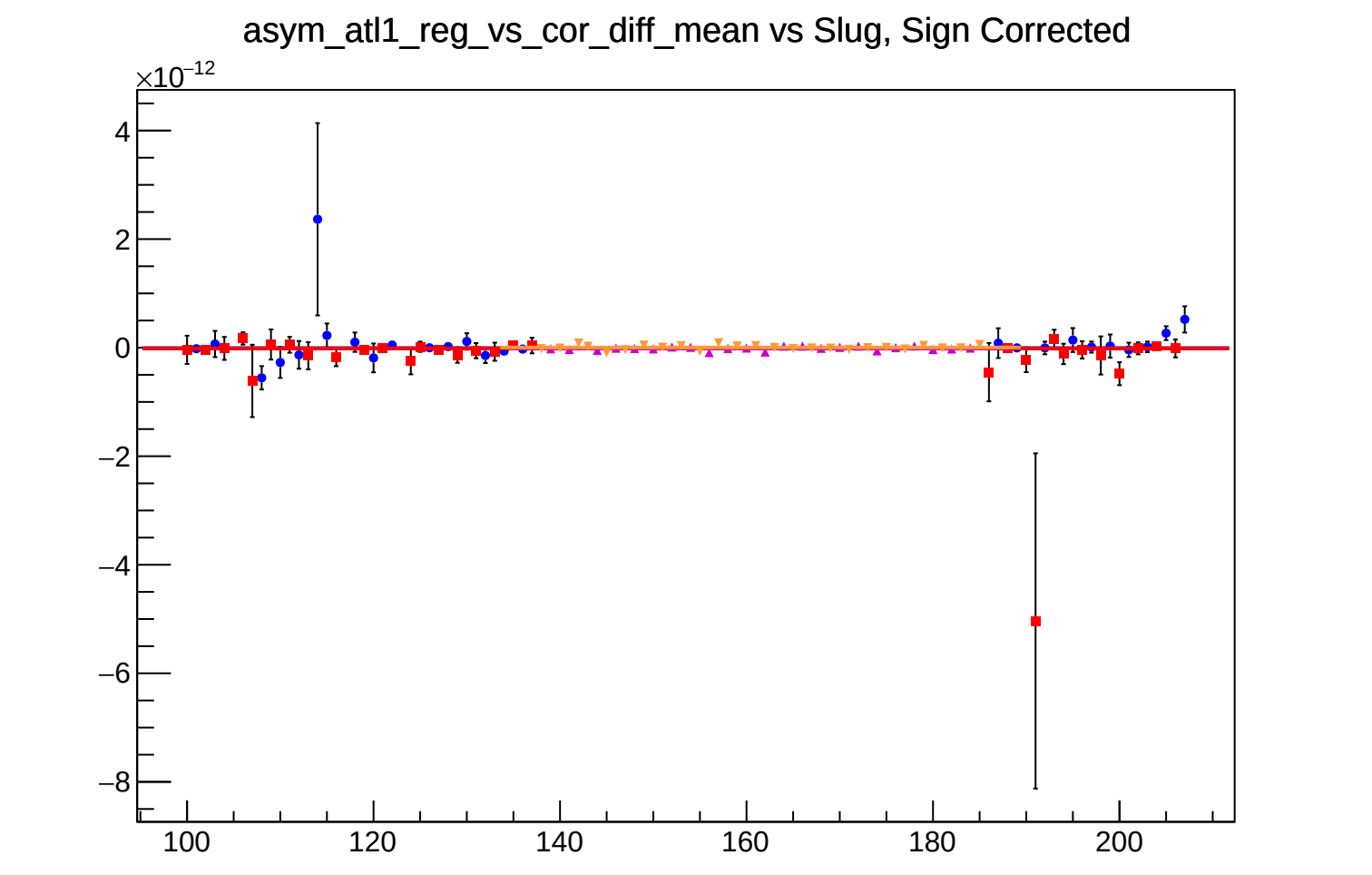
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2700.317+/-0.346 χ^2/NDF: 1972350.0/56

In: 2577.058+/-0.318 χ^2/NDF:897894.5/48

Out: 2604.981+/-0.311 χ^2/NDF:1428153.6/55

All: 2591.320+/-0.222 χ^2/NDF: 2329989.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.0/25

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

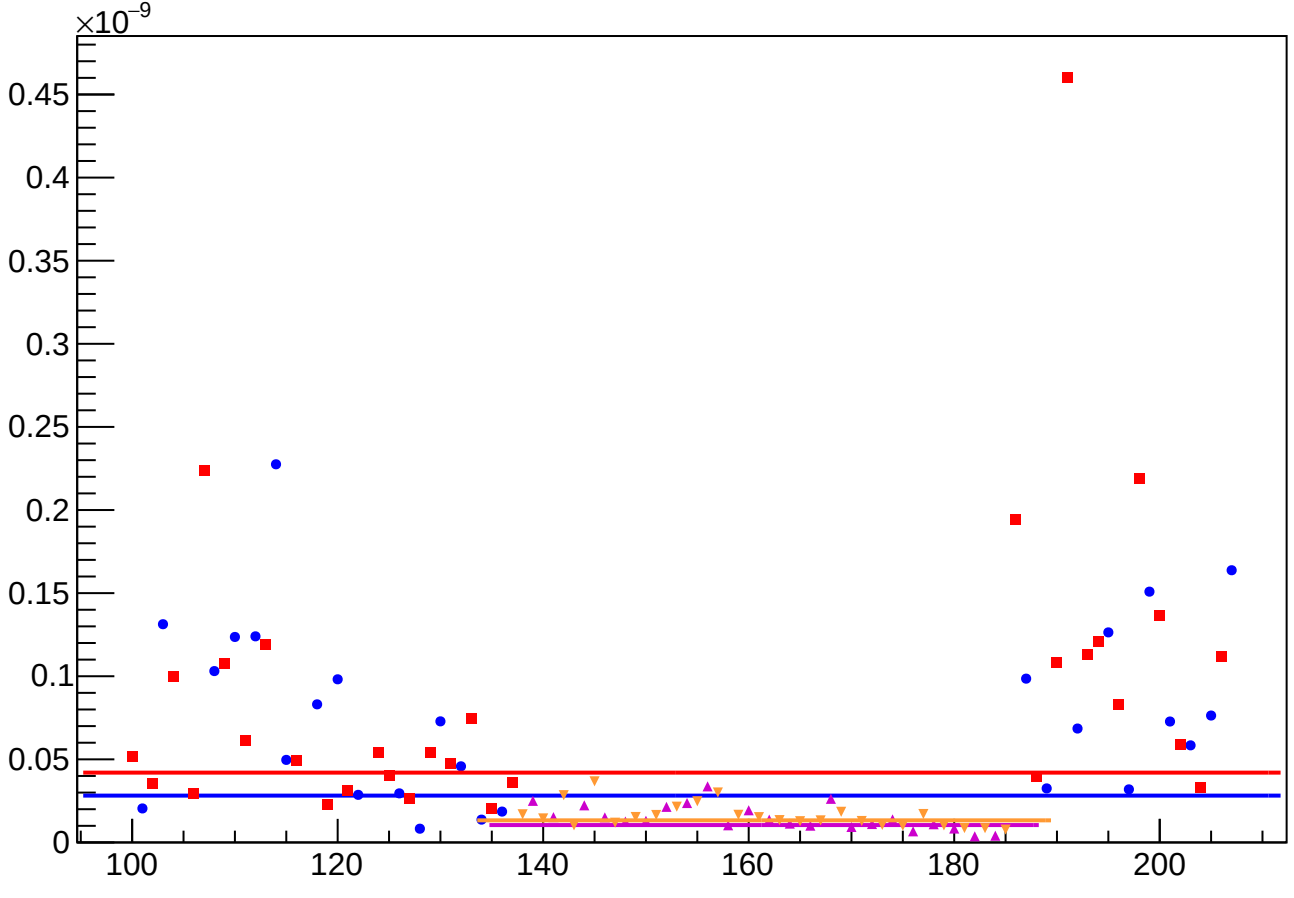
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 45.1/56

In: -0.000+/-0.000 χ^2/NDF:58.3/48

Out: 0.000+/-0.000 χ^2/NDF:48.5/55

All: -0.000+/-0.000 χ^2/NDF: 111.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 5371152.7/25

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

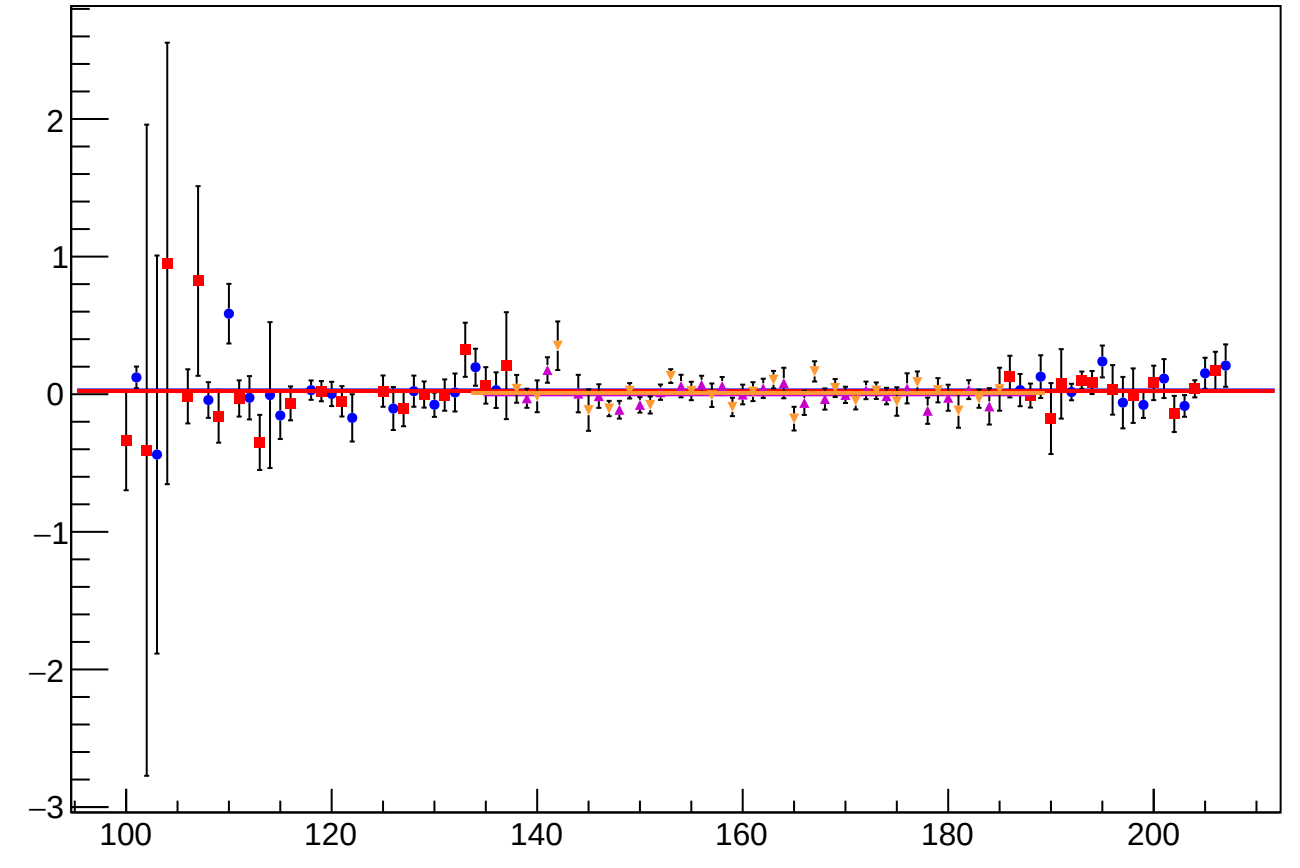
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9909380.0/56

In: 0.000+/-0.000 χ^2/NDF:10514732.1/48

Out: 0.000+/-0.000 χ^2/NDF:9252684.0/55

All: 0.000+/-0.000 χ^2/NDF: 20194575.0/104



Right In: 0.028+/-0.022 χ^2/NDF: 25.1/25

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

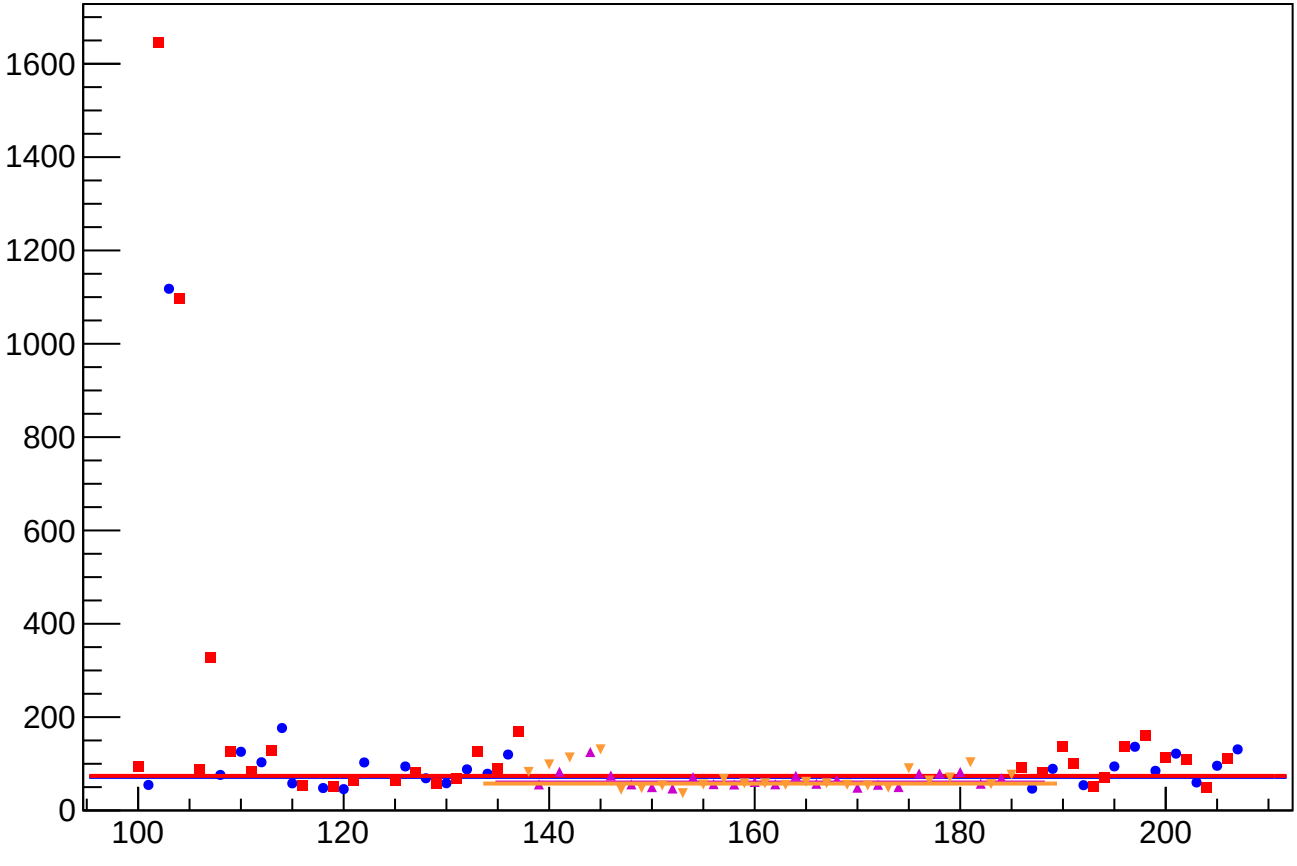
Right: 0.025+/-0.016 χ^2/NDF: 43.6/55

In: 0.009+/-0.013 χ^2/NDF:41.7/48

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.011+/-0.009 χ^2/NDF: 95.3/102

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.905+/-0.016 χ^2/NDF: 3626370.3/25

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

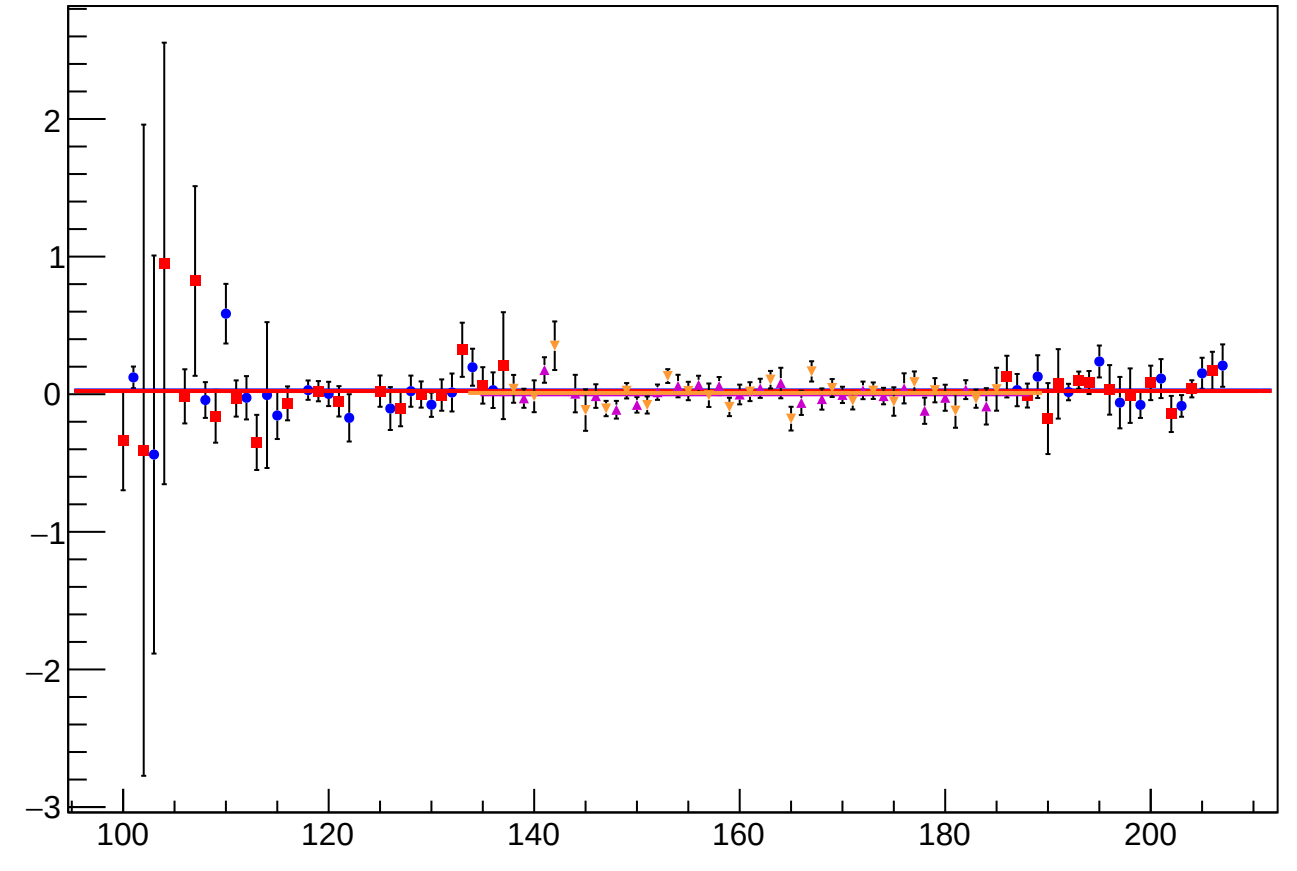
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 72.970+/-0.011 χ^2/NDF: 8452828.1/55

In: 63.798+/-0.009 χ^2/NDF:5366644.0/48

Out: 62.740+/-0.009 χ^2/NDF:7770739.7/53

All: 63.262+/-0.006 χ^2/NDF: 13144422.2/102



Right In: 0.028+/-0.022 χ^2/NDF: 25.1/25

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

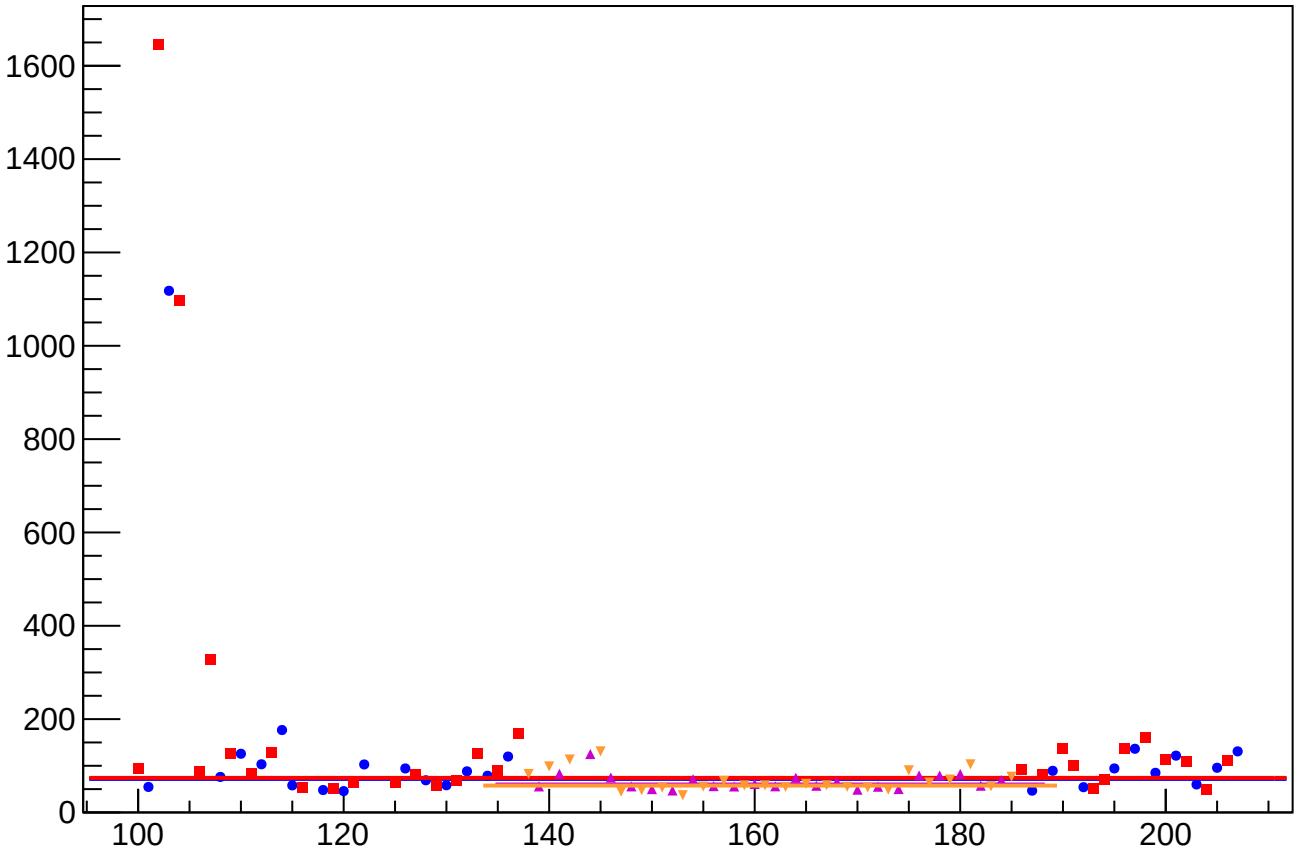
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.025+/-0.016 χ^2/NDF: 43.6/55

In: 0.009+/-0.013 χ^2/NDF:41.7/48

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.011+/-0.009 χ^2/NDF: 95.3/102



Right In: 71.905+/-0.016 χ^2/NDF: 3626370.3/25

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

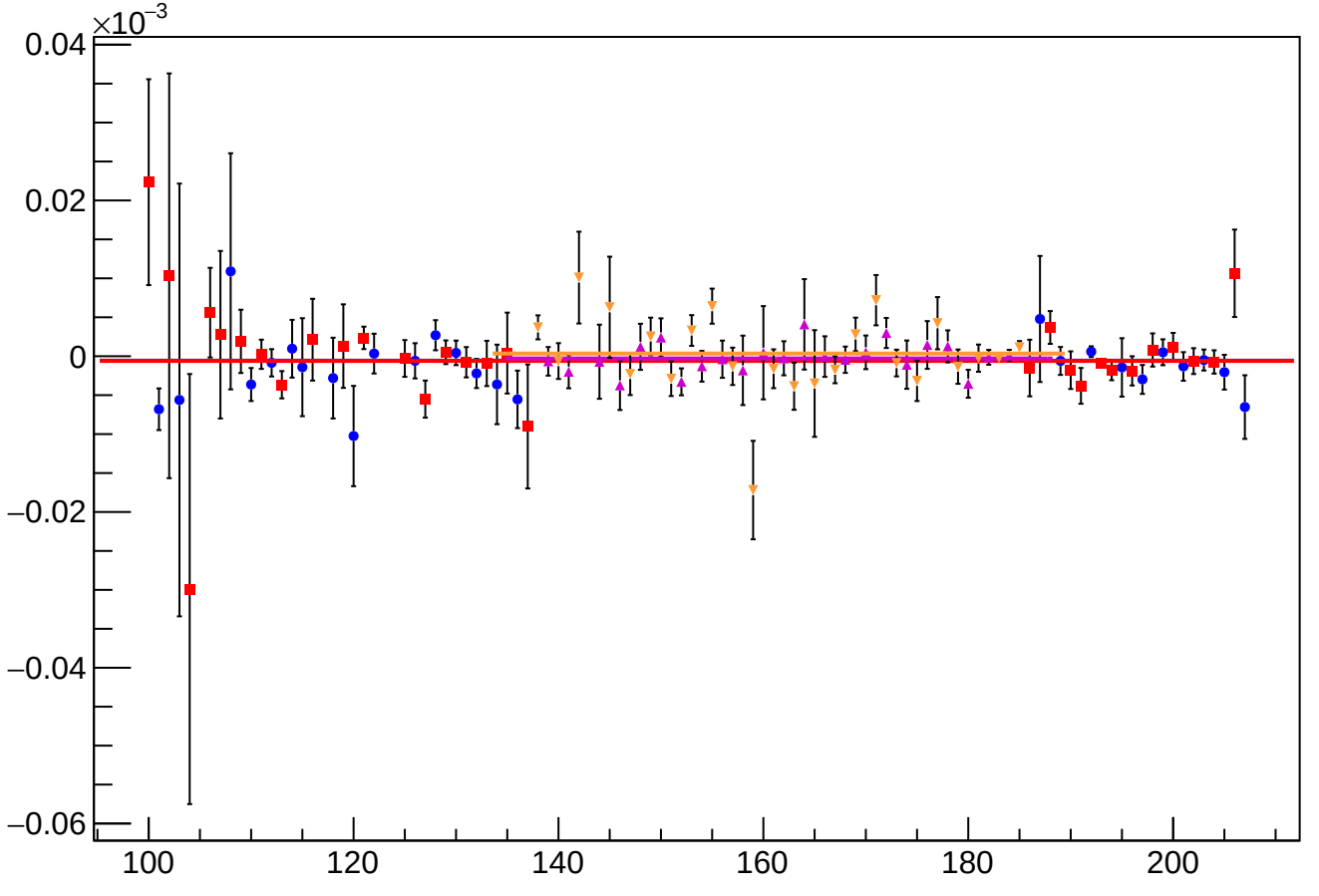
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 72.970+/-0.011 χ^2/NDF: 8452828.1/55

In: 63.798+/-0.009 χ^2/NDF:5366644.0/48

Out: 62.740+/-0.009 χ^2/NDF:7770739.7/53

All: 63.262+/-0.006 χ^2/NDF: 13144422.2/102



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/25

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 33.4/29

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

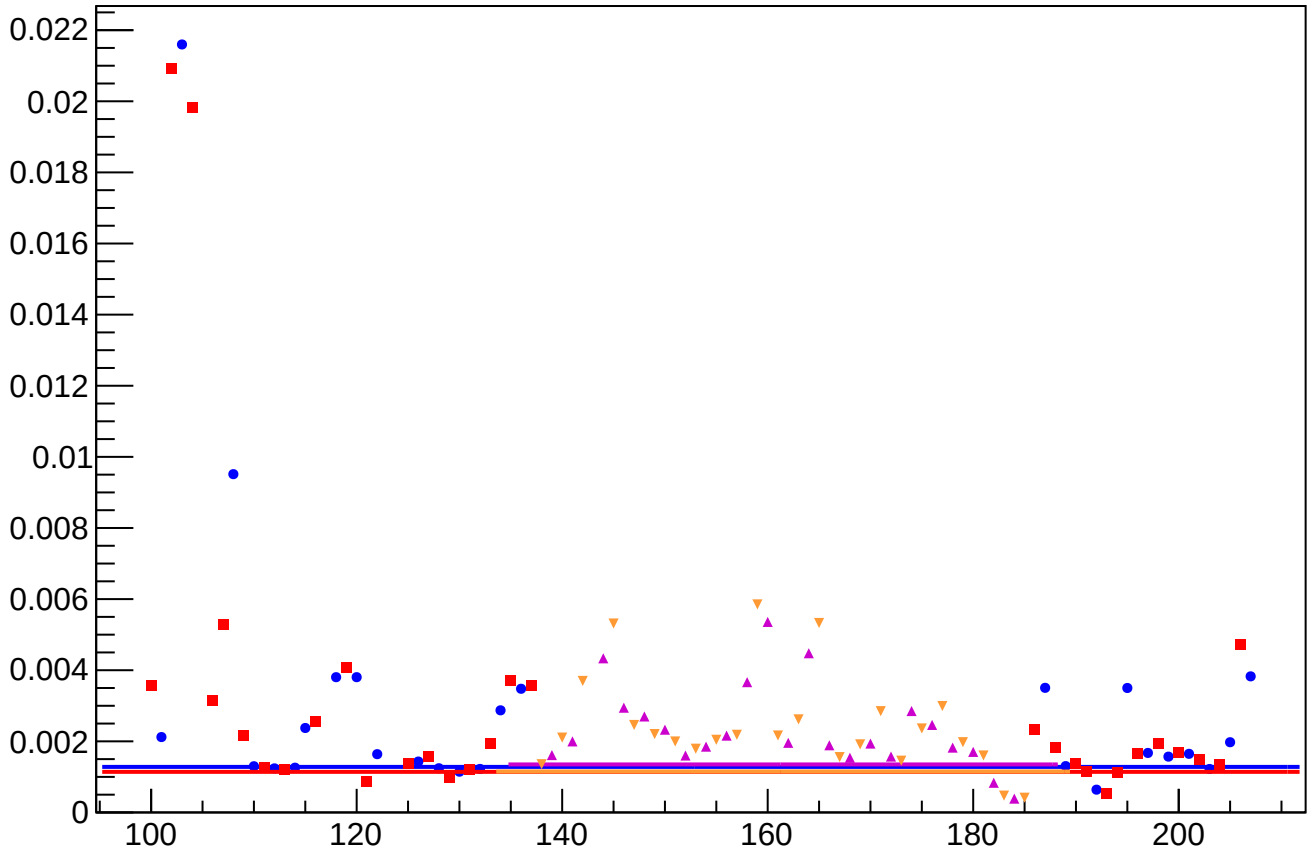
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 58.7/55

In: -0.000+/-0.000 χ^2/NDF:40.5/48

Out: -0.000+/-0.000 χ^2/NDF:83.9/53

All: -0.000+/-0.000 χ^2/NDF: 125.1/102



Right In: 0.001+/-0.000 χ^2/NDF: 7467623.3/25

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

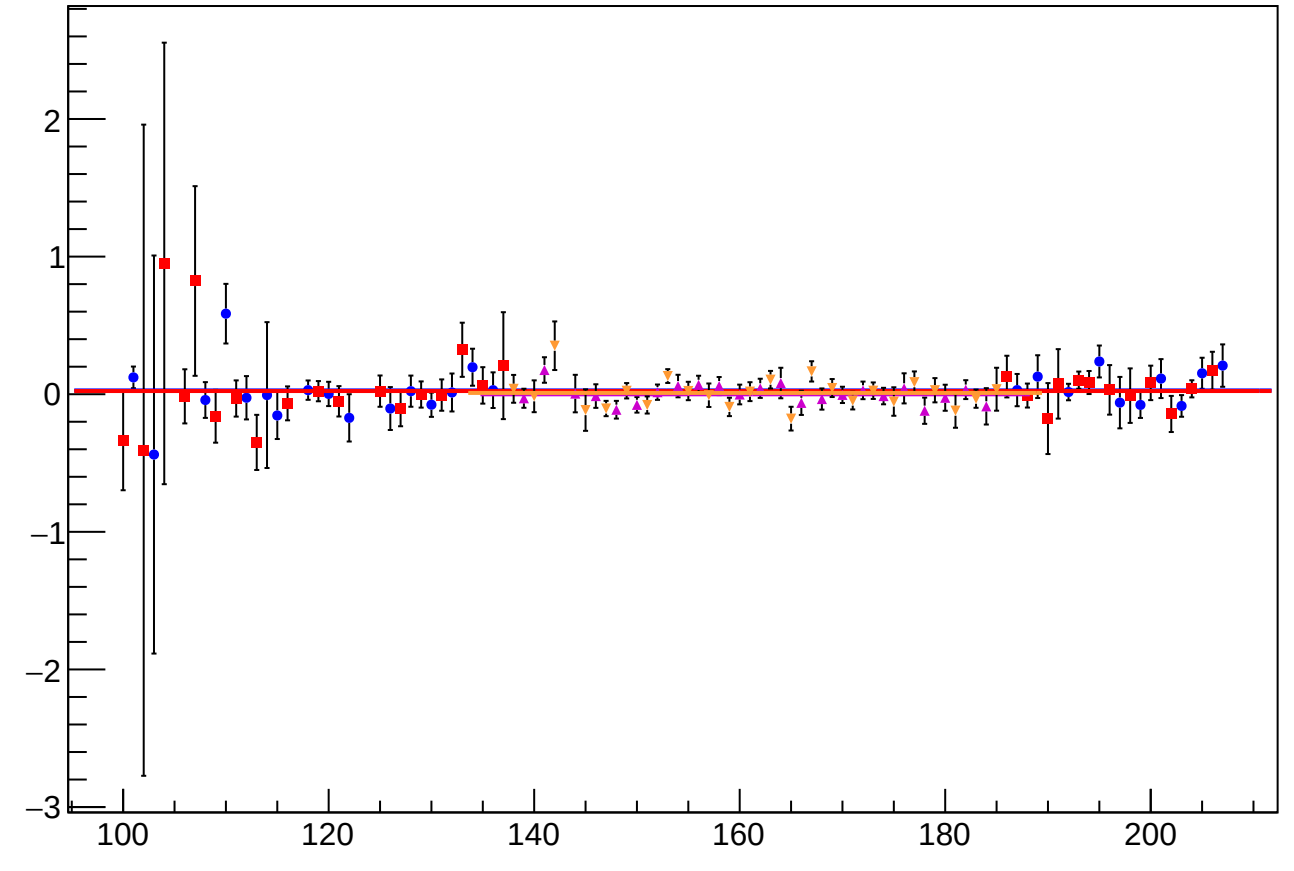
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 16250320.3/55

In: 0.001+/-0.000 χ^2/NDF:17746588.1/48

Out: 0.001+/-0.000 χ^2/NDF:21883828.1/53

All: 0.001+/-0.000 χ^2/NDF: 40062784.9/102



Right In: 0.028+/-0.022 χ^2/NDF: 25.1/25

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

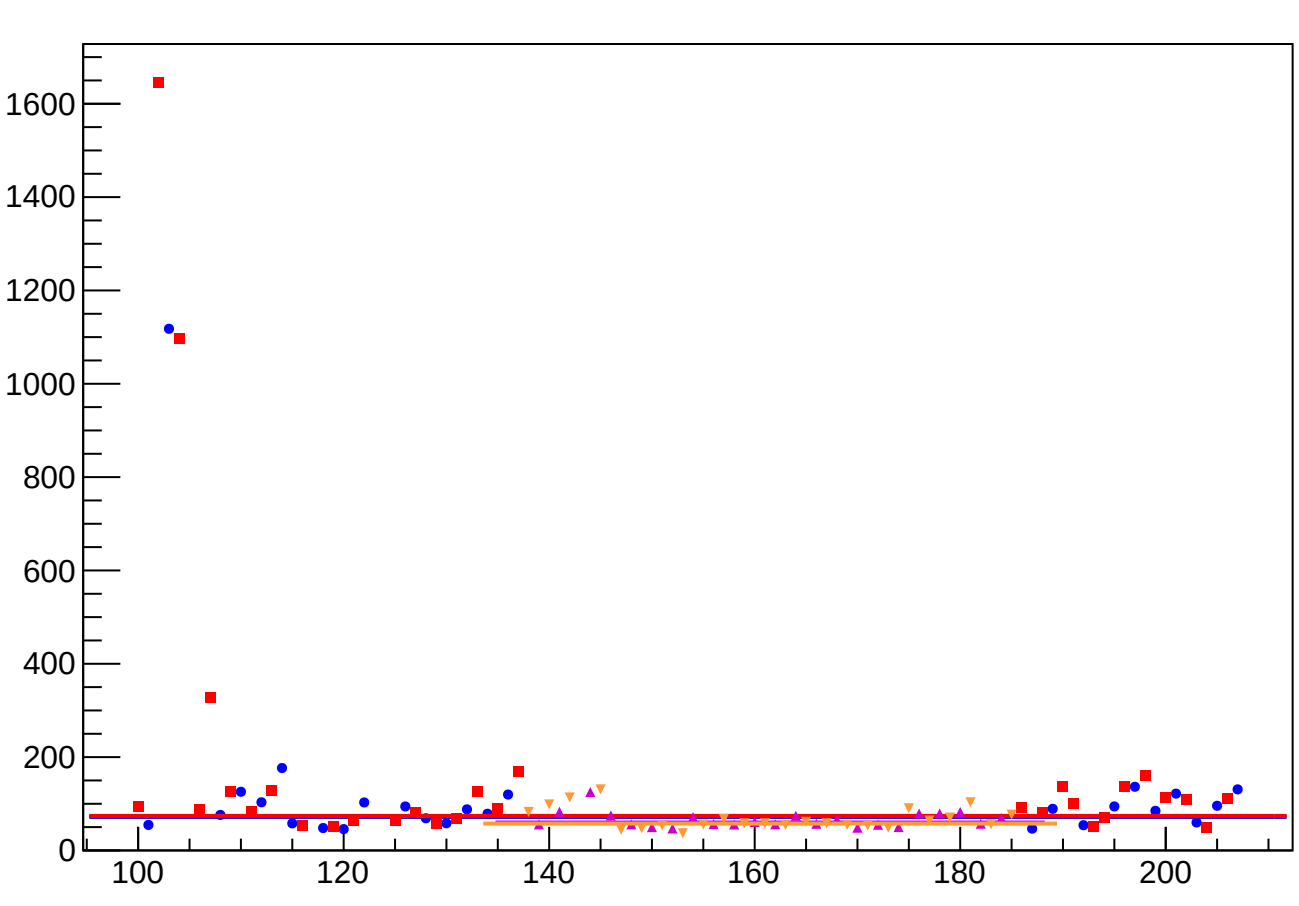
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.025+/-0.016 χ^2/NDF: 43.6/55

In: 0.009+/-0.013 χ^2/NDF:41.7/48

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.011+/-0.009 χ^2/NDF: 95.3/102



Right In: 71.905+/-0.016 χ^2/NDF: 3626530.7/25

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

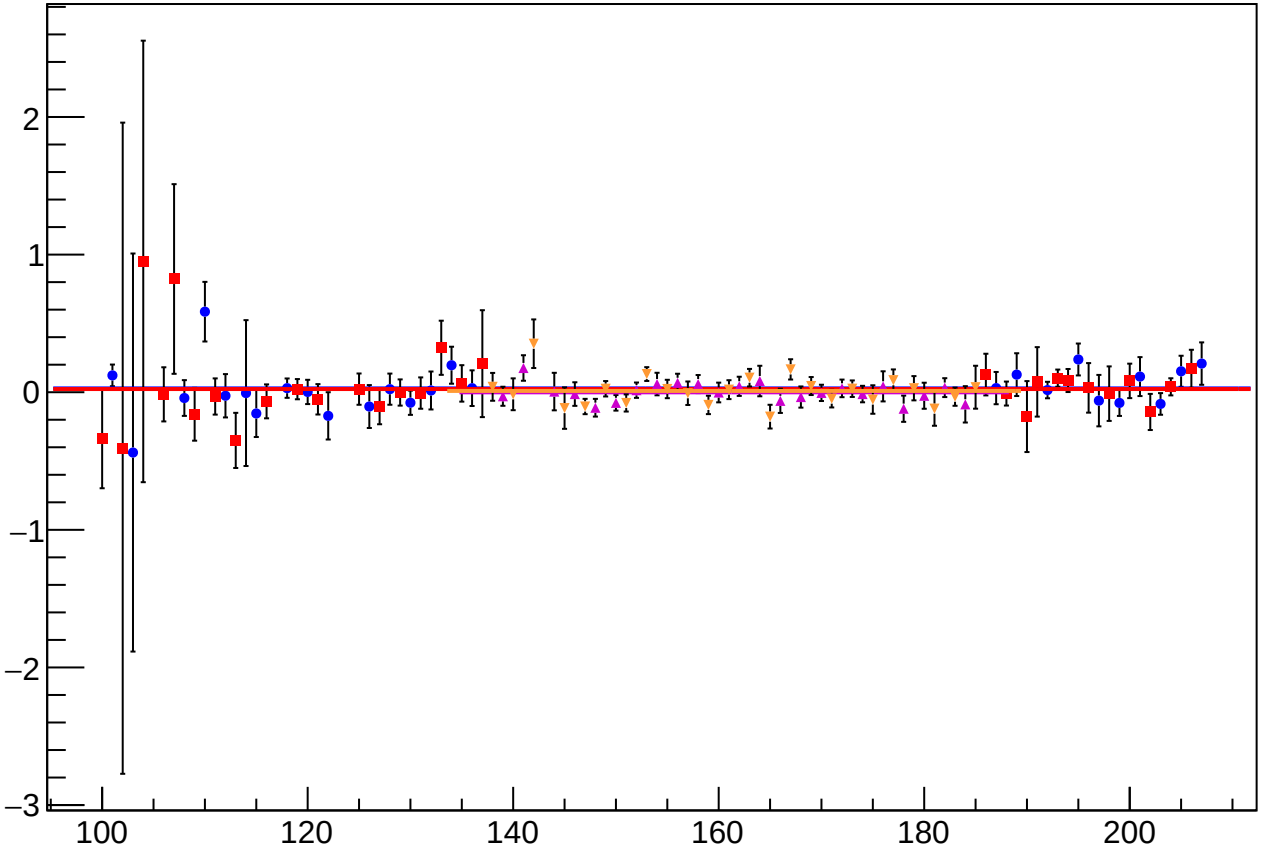
Right: 72.970+/-0.011 χ^2/NDF: 8453090.0/55

In: 63.798+/-0.009 χ^2/NDF:5366737.8/48

Out: 62.740+/-0.009 χ^2/NDF:7770881.6/53

All: 63.262+/-0.006 χ^2/NDF: 13144658.1/102

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.028+/-0.022 χ^2/NDF: 25.1/25

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

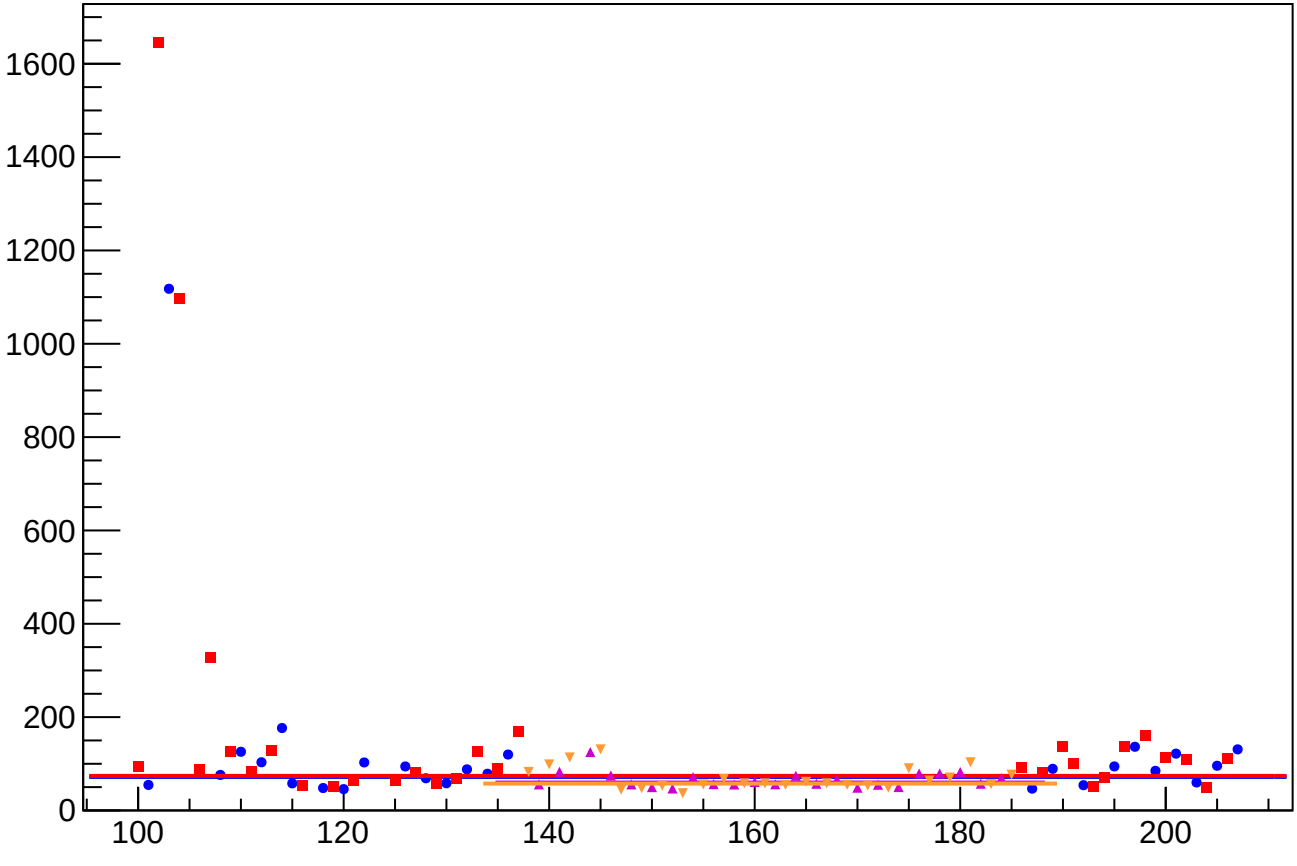
Right: 0.025+/-0.016 χ^2/NDF: 43.6/55

In: 0.009+/-0.013 χ^2/NDF:41.7/48

Out: 0.014+/-0.013 χ^2/NDF:53.5/53

All: 0.011+/-0.009 χ^2/NDF: 95.3/102

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.905+/-0.016 χ^2/NDF: 3626530.7/25

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

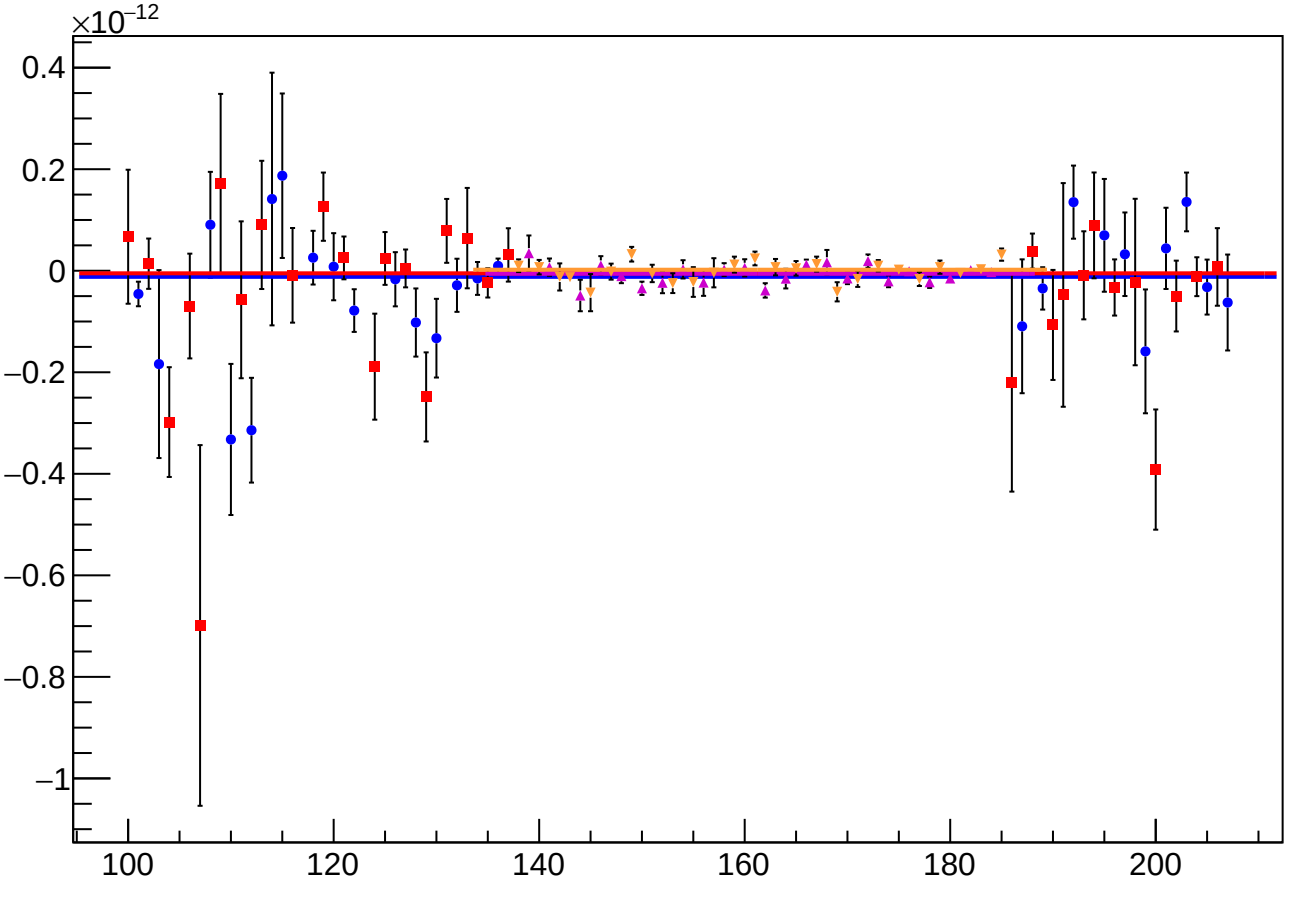
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 72.970+/-0.011 χ^2/NDF: 8453090.0/55

In: 63.798+/-0.009 χ^2/NDF:5366737.8/48

Out: 62.740+/-0.009 χ^2/NDF:7770881.6/53

All: 63.262+/-0.006 χ^2/NDF: 13144658.1/102



Right In: -0.000+/-0.000 χ^2/NDF: 43.3/25

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

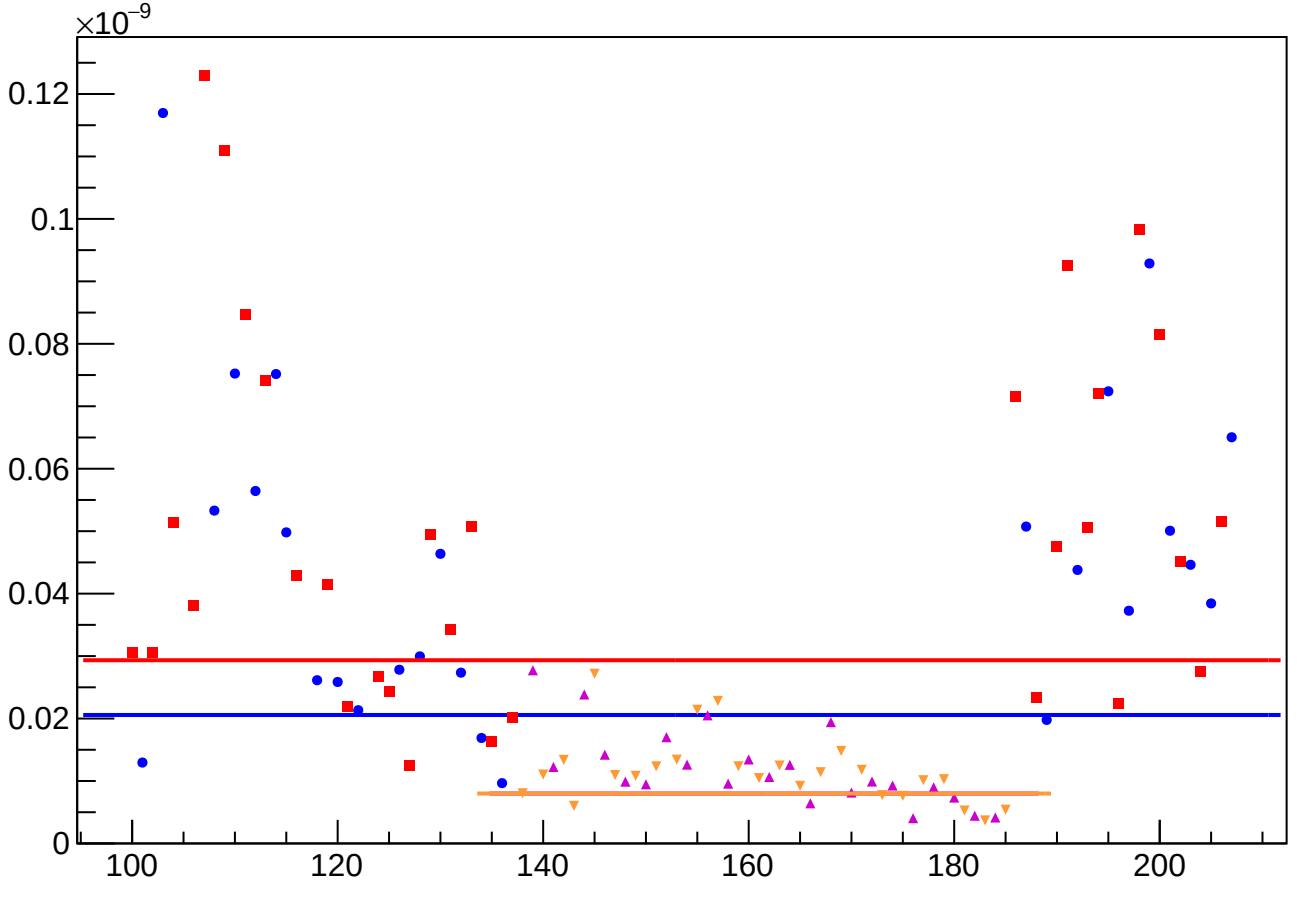
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 91.6/56

In: -0.000+/-0.000 χ^2/NDF:76.3/48

Out: 0.000+/-0.000 χ^2/NDF:80.3/55

All: -0.000+/-0.000 χ^2/NDF: 162.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 5956458.2/25

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

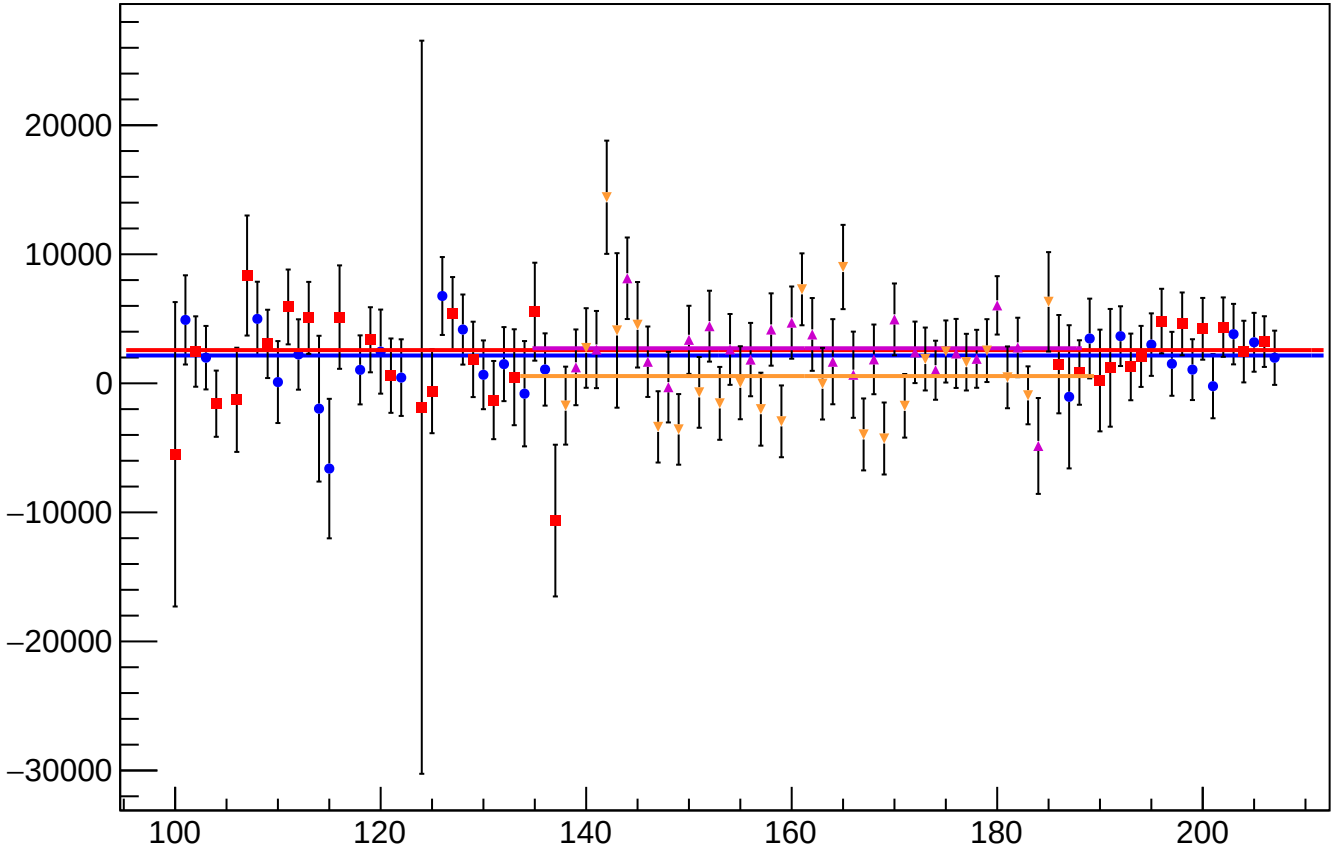
Right: 0.000+/-0.000 χ^2/NDF: 10980318.5/56

In: 0.000+/-0.000 χ^2/NDF:14685088.6/48

Out: 0.000+/-0.000 χ^2/NDF:15821308.7/55

All: 0.000+/-0.000 χ^2/NDF: 30506574.7/104

reg_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2156.316+/-549.537 χ^2/NDF: 12.6/25

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

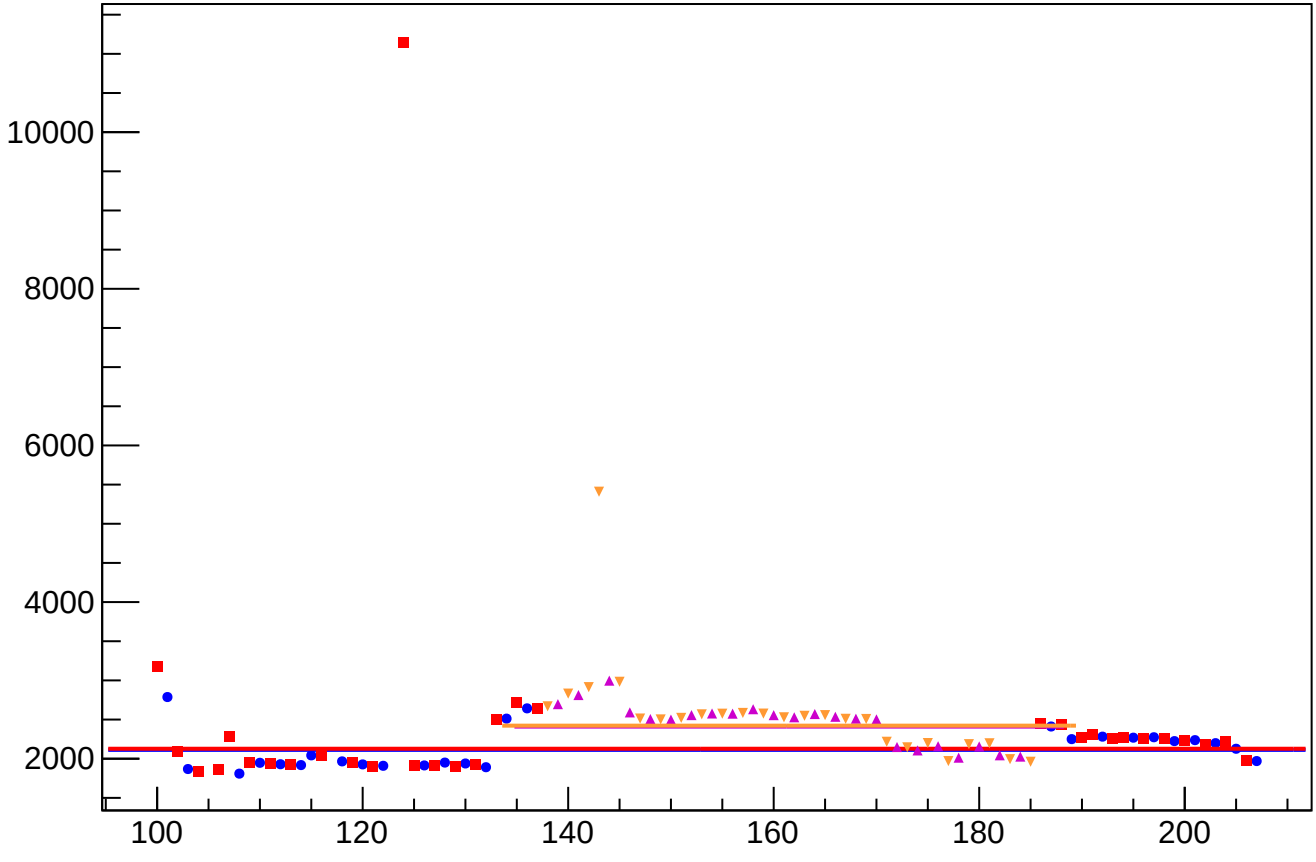
Right: 2372.519+/-381.877 χ^2/NDF: 35.3/56

In: 2427.897+/-394.341 χ^2/NDF:27.4/48

Out: 1616.936+/-384.459 χ^2/NDF:73.1/55

All: 2012.128+/-275.281 χ^2/NDF: 102.7/104

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2112.864+/-0.389 χ^2/NDF: 342806.5/25

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

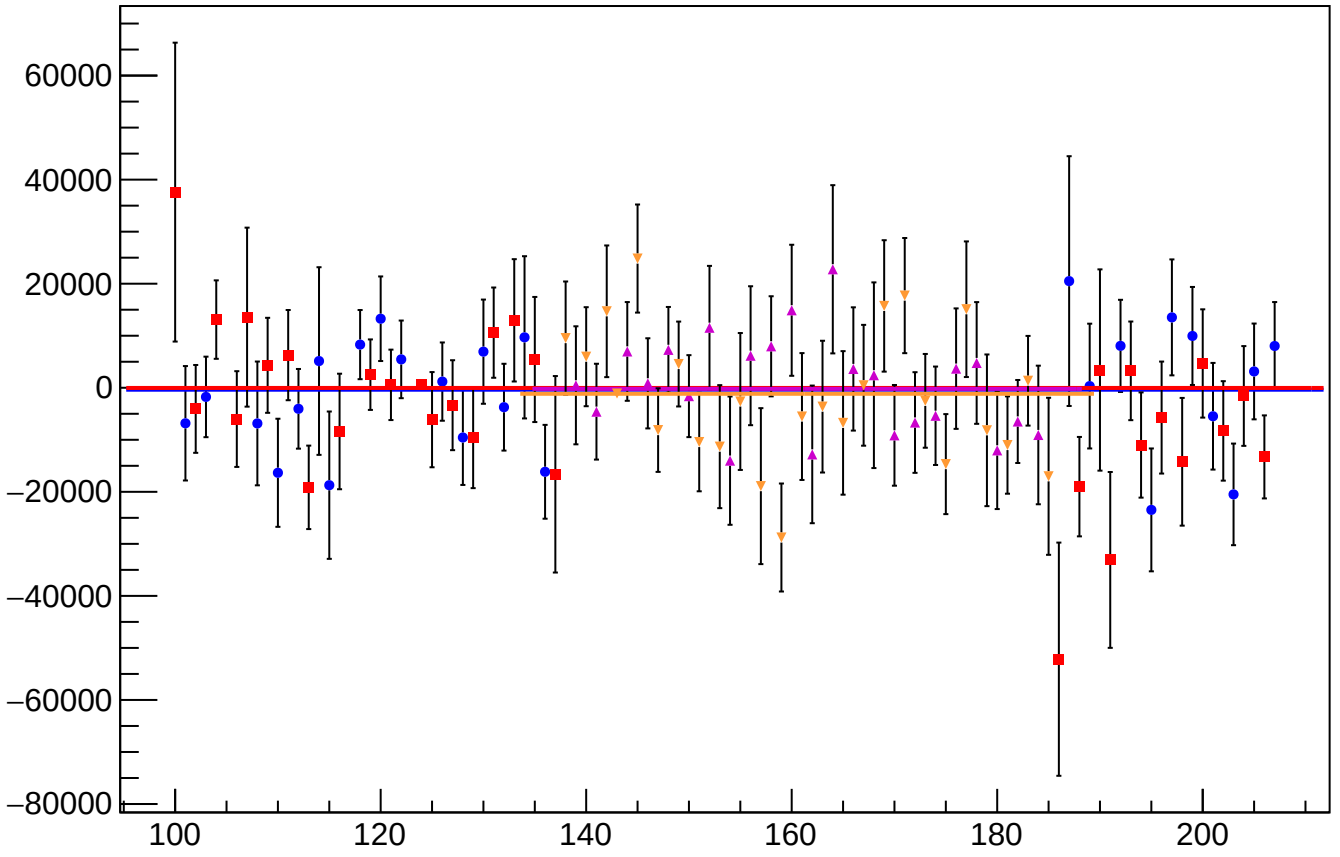
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2120.366+/-0.270 χ^2/NDF: 869391.5/56

In: 2256.907+/-0.279 χ^2/NDF:1054454.7/48

Out: 2267.651+/-0.272 χ^2/NDF:1771982.7/55

All: 2262.416+/-0.195 χ^2/NDF: 2827198.6/10



Right In: -374.266+/-1868.611 χ^2/NDF: 29.3/25

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

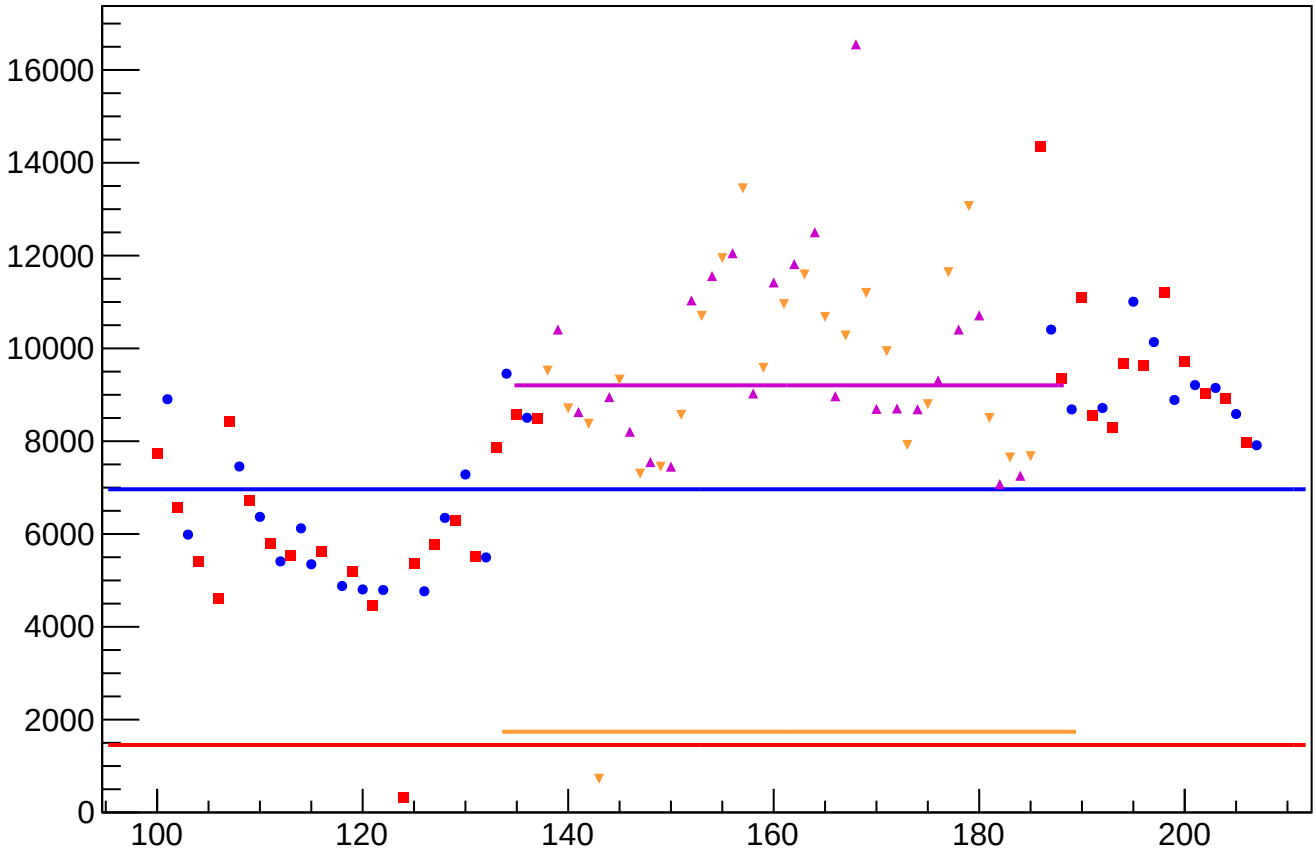
Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

Right: -82.721+/-692.939 χ^2/NDF: 68.1/56

In: -305.099+/-1422.868 χ^2/NDF:42.7/48

Out: -588.528+/-531.673 χ^2/NDF:71.9/55

All: -553.803+/-498.040 χ^2/NDF: 114.6/104



Right In: 6964.073+/-1.321 χ^2/NDF: 2000982.8/25

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

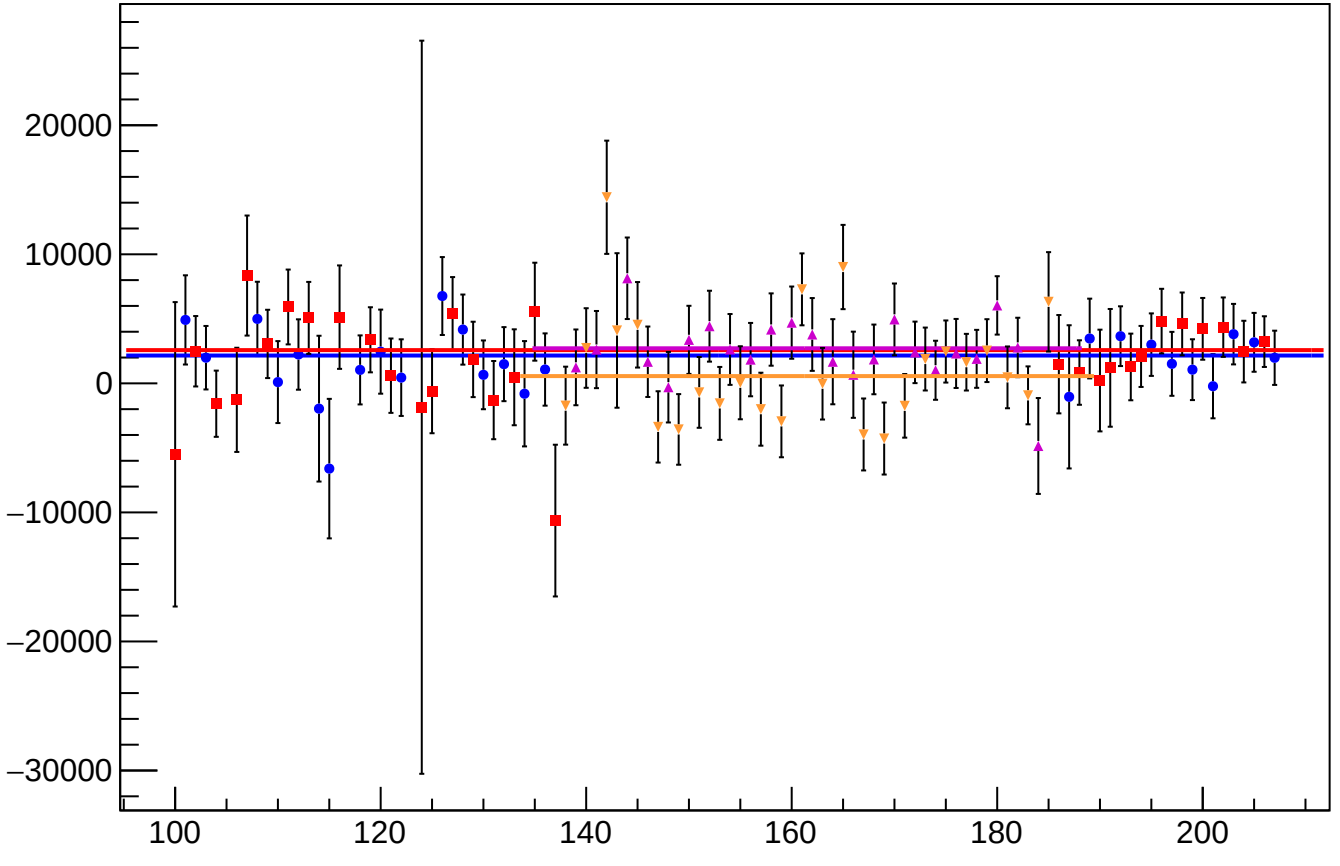
Right: 2211.849+/-0.490 χ^2/NDF: 41893998.7/56

In: 7905.148+/-1.006 χ^2/NDF:4480316.9/48

Out: 1594.706+/-0.376 χ^2/NDF:52773188.7/55

All: 2367.847+/-0.352 χ^2/NDF: 91772527.5/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2156.282+/-549.537 χ^2/NDF: 12.6/25

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

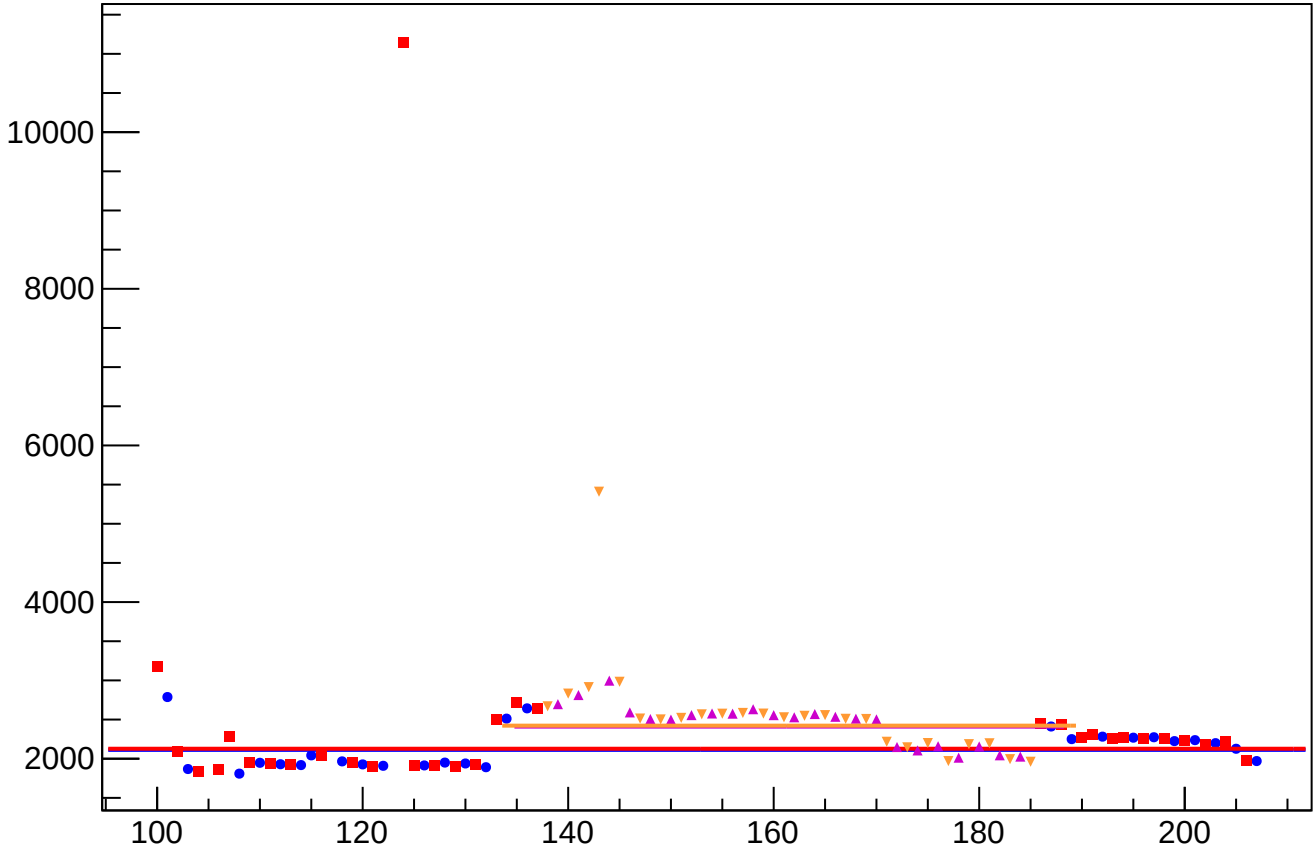
Right: 2372.963+/-381.878 χ^2/NDF: 35.3/56

In: 2427.862+/-394.341 χ^2/NDF:27.4/48

Out: 1617.400+/-384.460 χ^2/NDF:73.1/55

All: 2012.350+/-275.281 χ^2/NDF: 102.7/104

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2112.864+/-0.389 χ^2/NDF: 342806.4/25

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

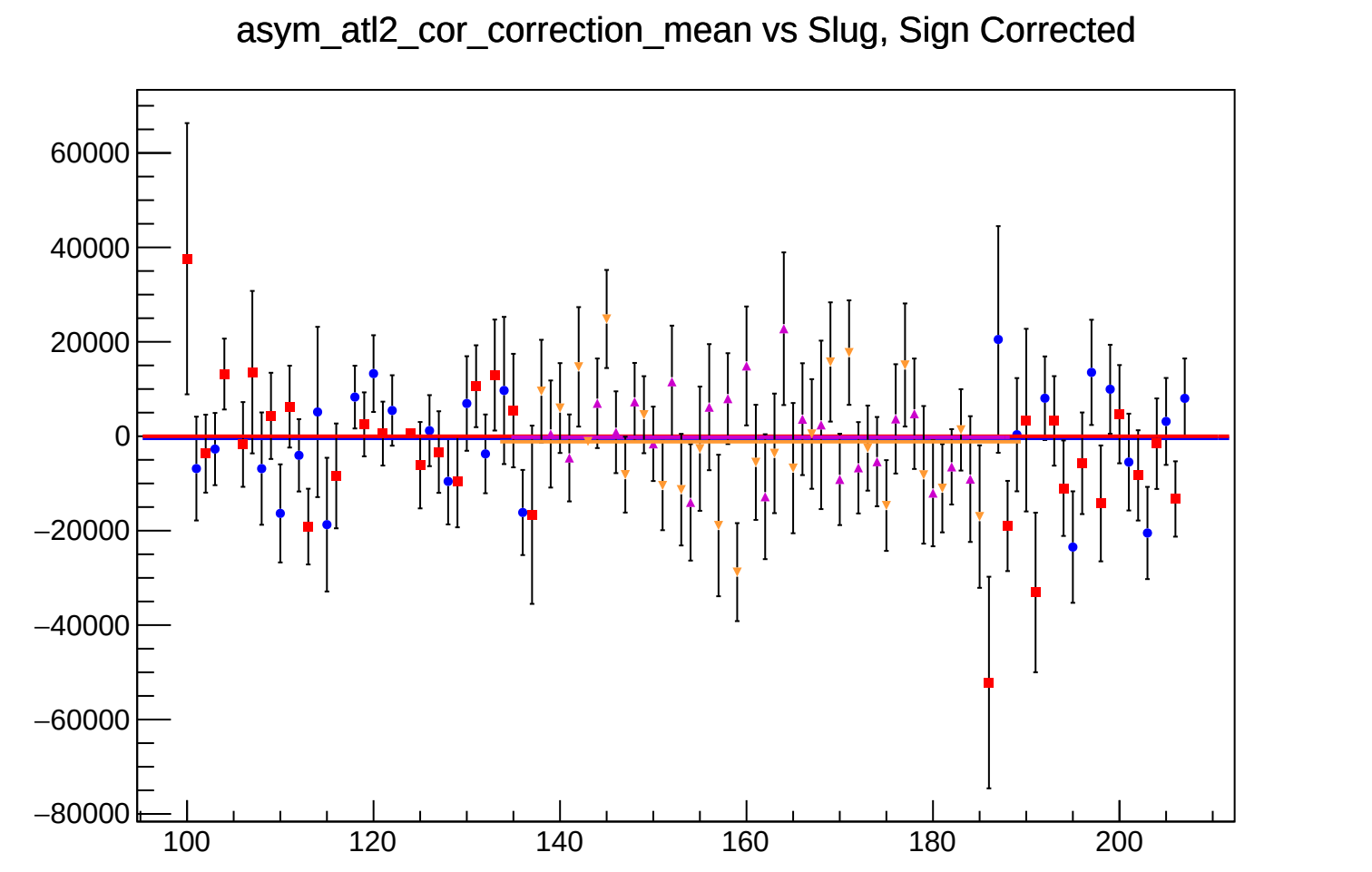
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2120.372+/-0.270 χ^2/NDF: 869387.5/56

In: 2256.907+/-0.279 χ^2/NDF:1054454.8/48

Out: 2267.658+/-0.272 χ^2/NDF:1771953.1/55

All: 2262.419+/-0.195 χ^2/NDF: 2827170.1/10



Right In: -433.935+/-1867.313 χ^2/NDF: 29.3/25

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

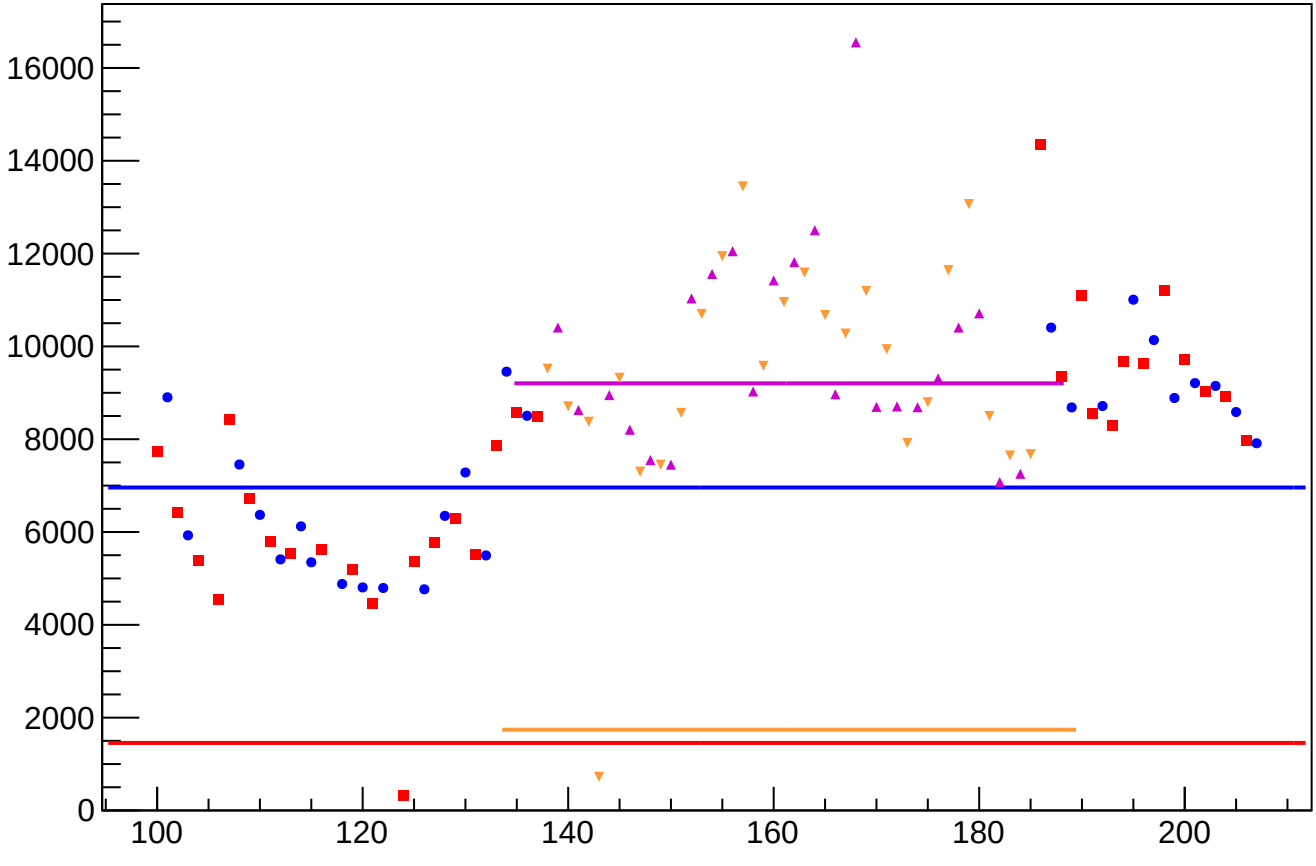
Right: -63.474+/-692.624 χ^2/NDF: 67.8/56

In: -339.707+/-1422.294 χ^2/NDF:42.7/48

Out: -572.040+/-531.539 χ^2/NDF:71.6/55

All: -543.568+/-497.904 χ^2/NDF: 114.3/104

asym_atl2_cor_correction_rms vs Slug, Sign Corrected



Right In: 6959.204+/-1.320 χ^2/NDF: 2005653.5/25

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

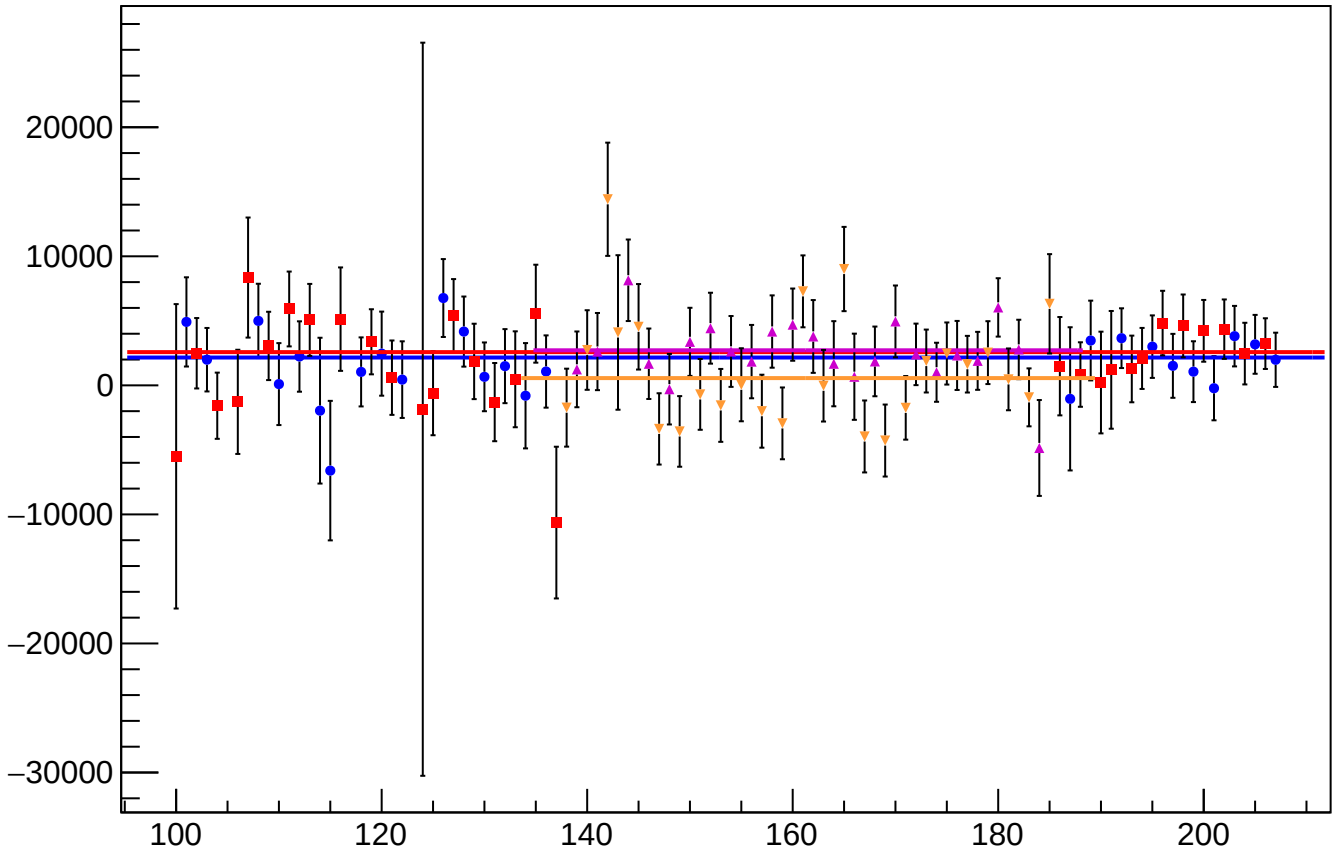
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2212.610+/-0.490 χ^2/NDF: 41876415.1/56

In: 7901.561+/-1.006 χ^2/NDF:4490949.5/48

Out: 1595.172+/-0.376 χ^2/NDF:52764130.3/55

All: 2368.020+/-0.352 χ^2/NDF: 91756339.2/1



Right In: 2156.282+/-549.537 χ^2/NDF: 12.6/25

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

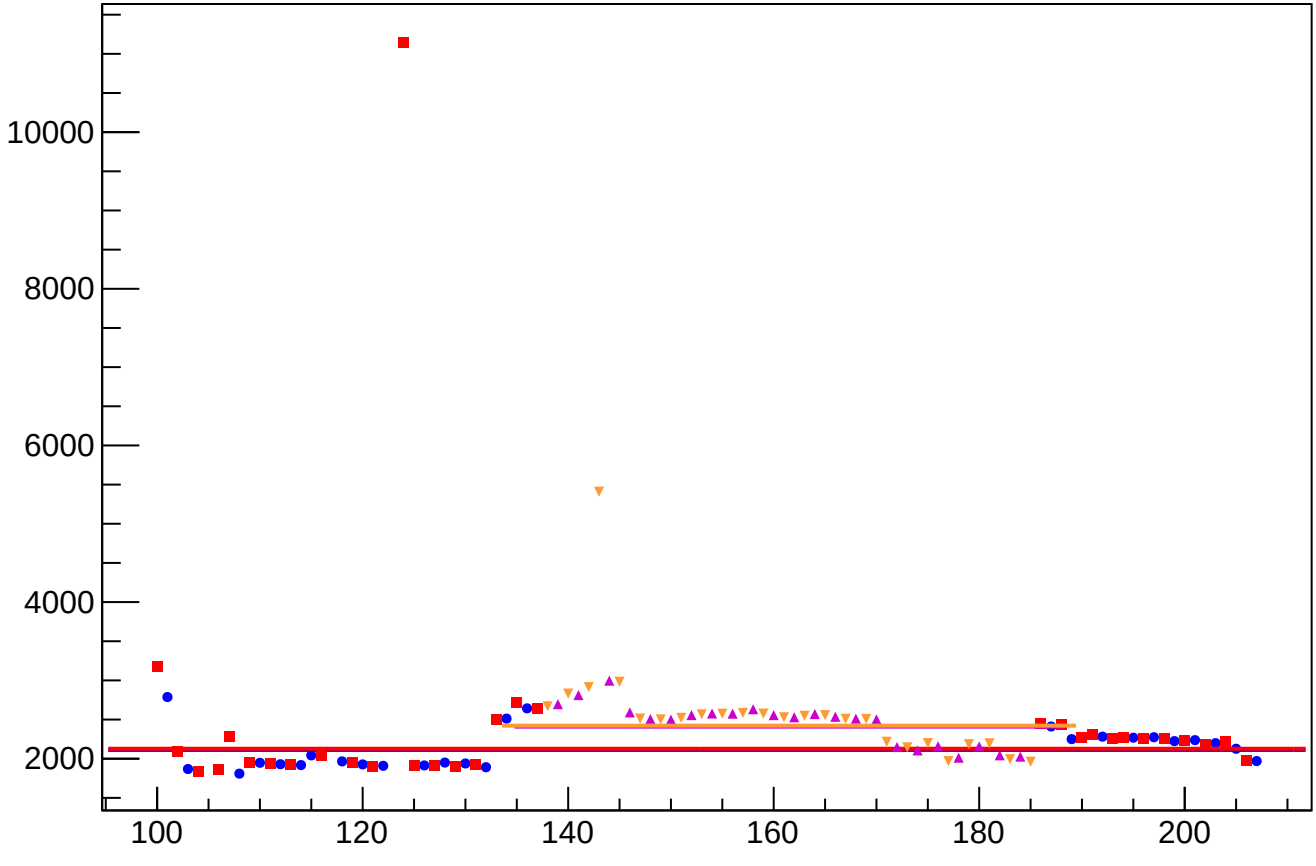
Right: 2372.963+/-381.878 χ^2/NDF: 35.3/56

In: 2427.862+/-394.341 χ^2/NDF:27.4/48

Out: 1617.400+/-384.460 χ^2/NDF:73.1/55

All: 2012.350+/-275.281 χ^2/NDF: 102.7/104

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2112.864+/-0.389 χ^2/NDF: 342806.4/25

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

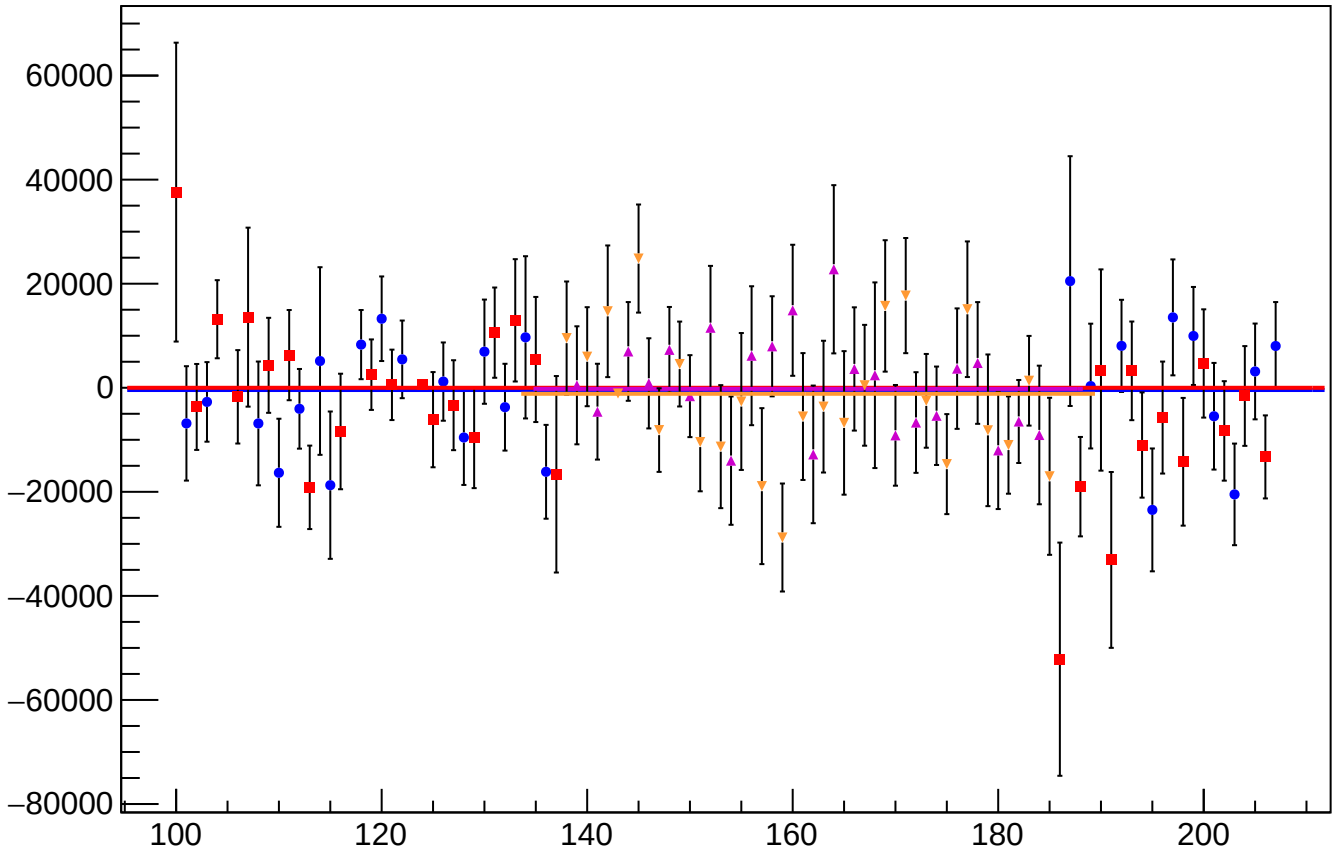
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2120.372+/-0.270 χ^2/NDF: 869387.5/56

In: 2256.907+/-0.279 χ^2/NDF:1054454.8/48

Out: 2267.658+/-0.272 χ^2/NDF:1771953.1/55

All: 2262.419+/-0.195 χ^2/NDF: 2827170.1/10



Right In: -433.935+/-1867.313 χ^2/NDF: 29.3/25

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

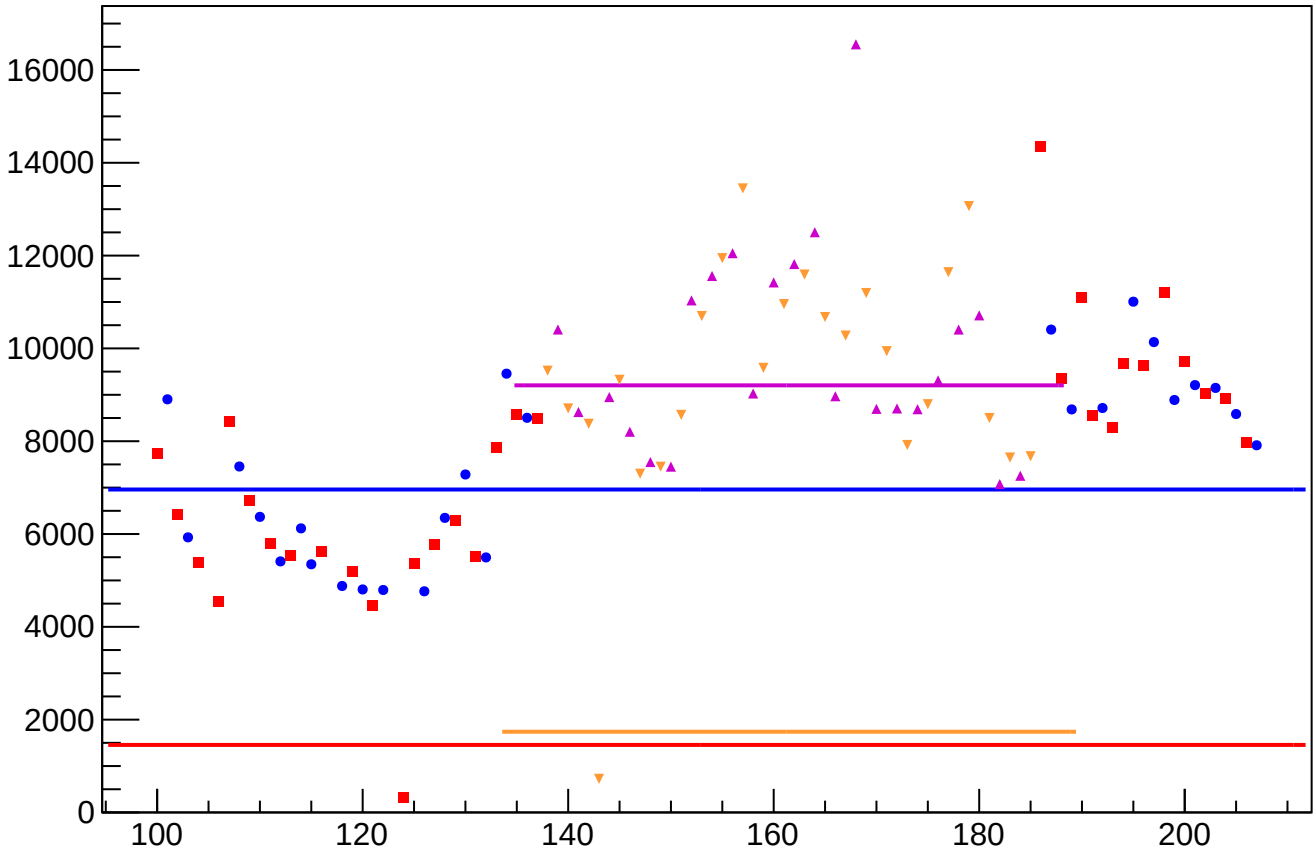
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: -63.474+/-692.624 χ^2/NDF: 67.8/56

In: -339.707+/-1422.294 χ^2/NDF:42.7/48

Out: -572.040+/-531.539 χ^2/NDF:71.6/55

All: -543.568+/-497.904 χ^2/NDF: 114.3/104



Right In: 6959.204+/-1.320 χ^2/NDF: 2005653.5/25

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

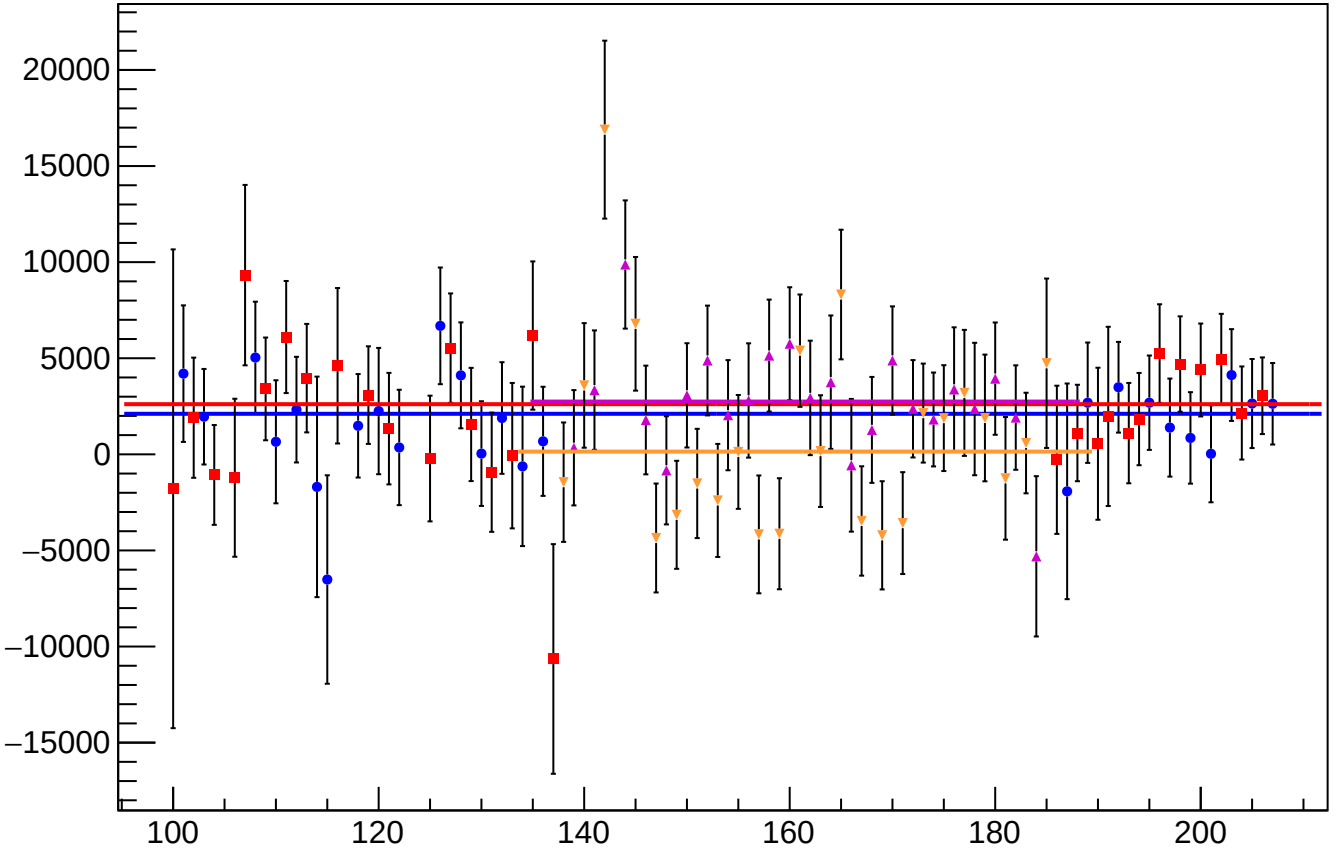
Right: 2212.610+/-0.490 χ^2/NDF: 41876415.1/56

In: 7901.561+/-1.006 χ^2/NDF:4490949.5/48

Out: 1595.172+/-0.376 χ^2/NDF:52764130.3/55

All: 2368.020+/-0.352 χ^2/NDF: 91756339.2/1

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2109.614+/-557.111 χ^2/NDF: 11.8/25

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

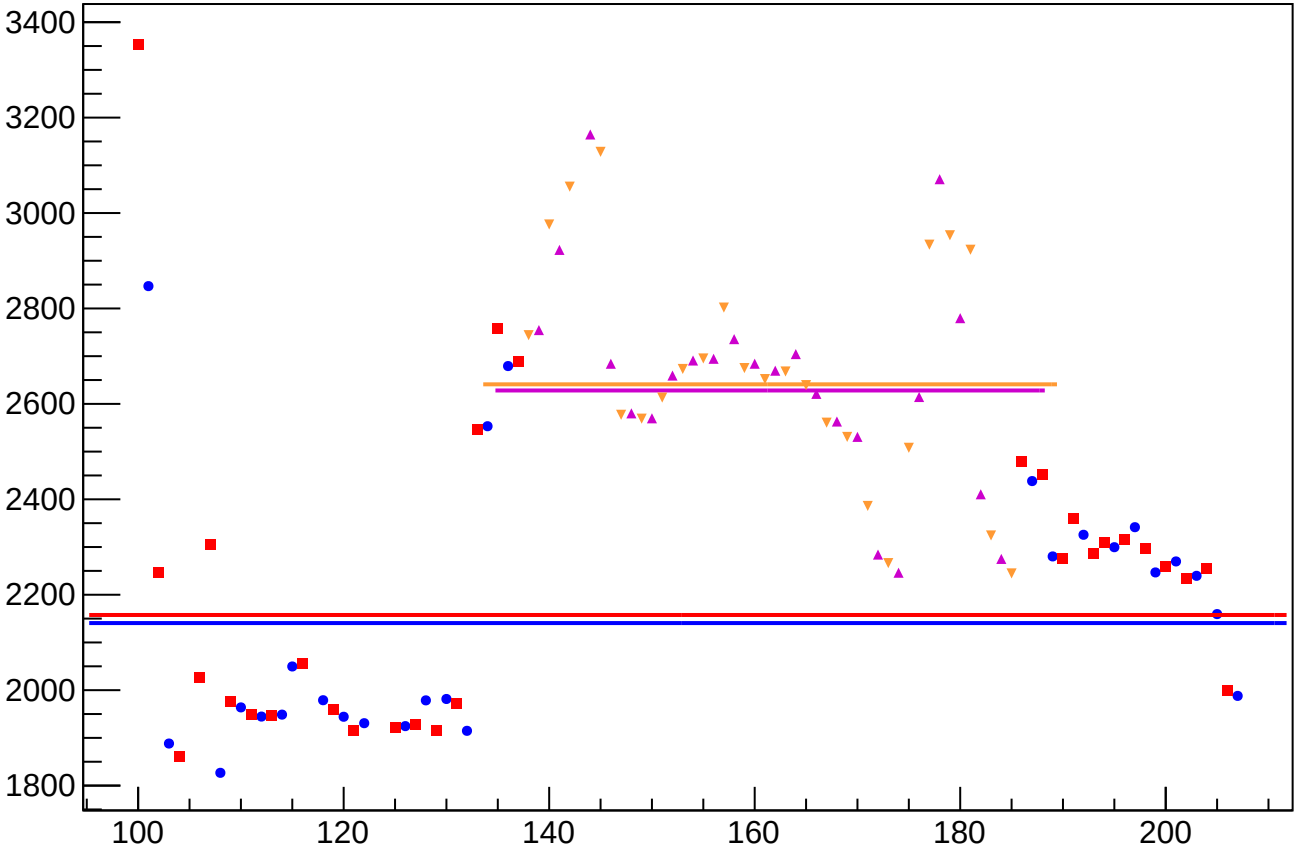
Right: 2367.485+/-387.912 χ^2/NDF: 34.1/55

In: 2395.870+/-413.229 χ^2/NDF:27.8/48

Out: 1536.326+/-406.178 χ^2/NDF:76.7/53

All: 1958.703+/-289.672 χ^2/NDF: 106.8/102

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2140.641+/-0.394 χ^2/NDF: 359808.4/25

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

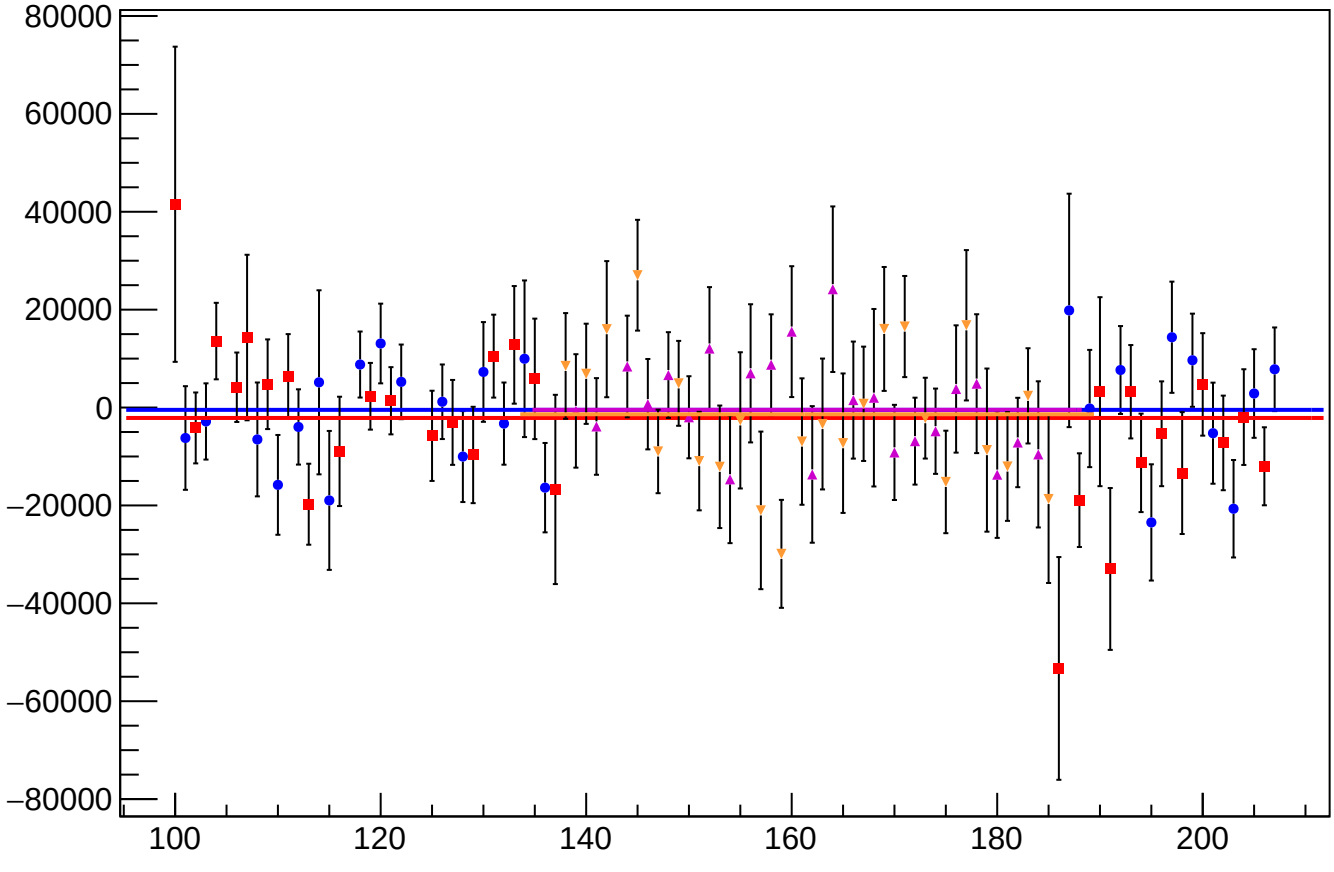
Right: 2149.377+/-0.274 χ^2/NDF: 693821.0/55

In: 2359.920+/-0.292 χ^2/NDF:1286116.6/48

Out: 2367.769+/-0.287 χ^2/NDF:1283206.7/53

All: 2363.913+/-0.205 χ^2/NDF: 2569690.4/10

asym_atl2_dit_correction_mean vs Slug, Sign Corrected



Right In: -472.616+/-1882.103 χ^2/NDF: 28.9/25

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

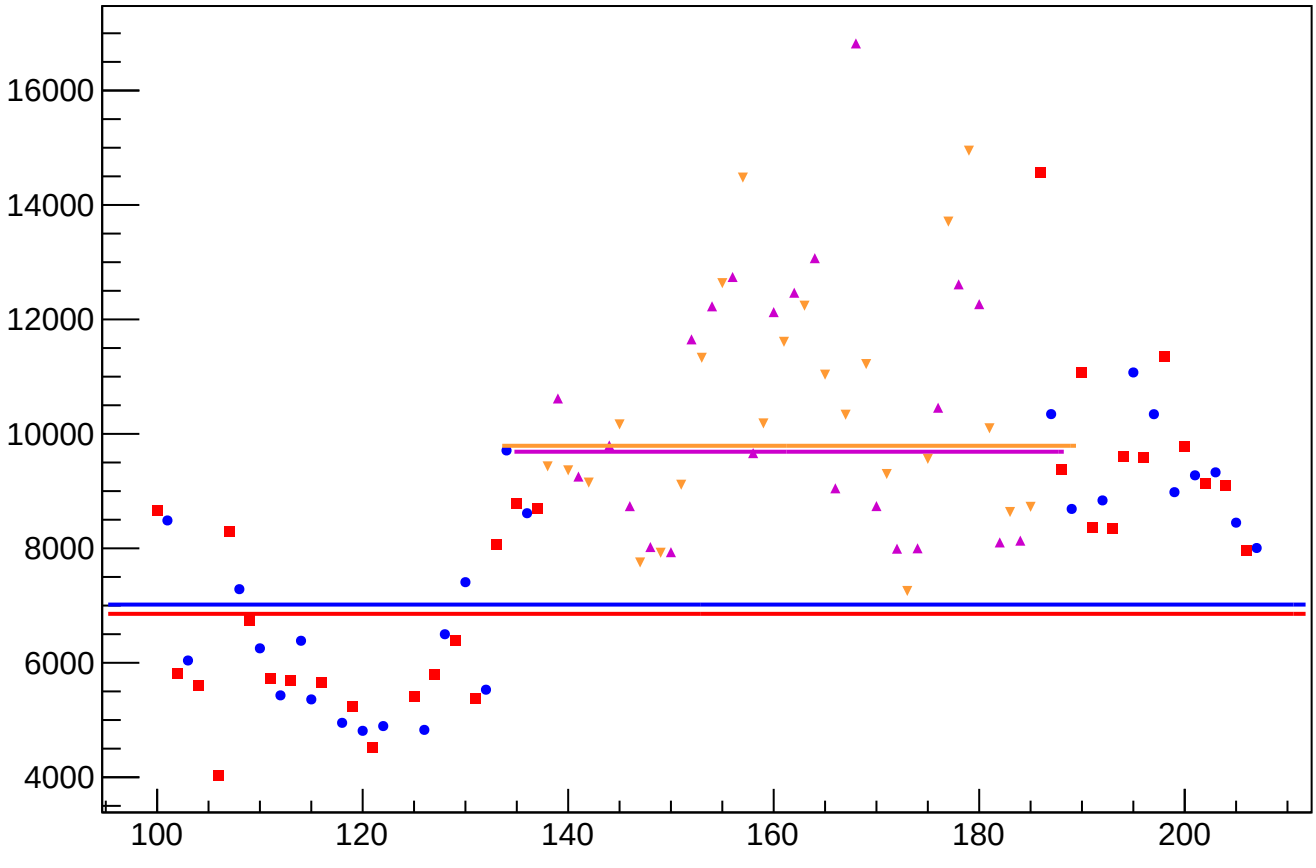
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: -1348.756+/-1291.295 χ^2/NDF: 65.7/55

In: -469.097+/-1460.236 χ^2/NDF:42.0/48

Out: -1847.908+/-1411.104 χ^2/NDF:67.7/53

All: -1182.089+/-1014.726 χ^2/NDF: 110.2/10



Right In: 7017.297+/-1.331 χ^2/NDF: 1971670.2/25

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

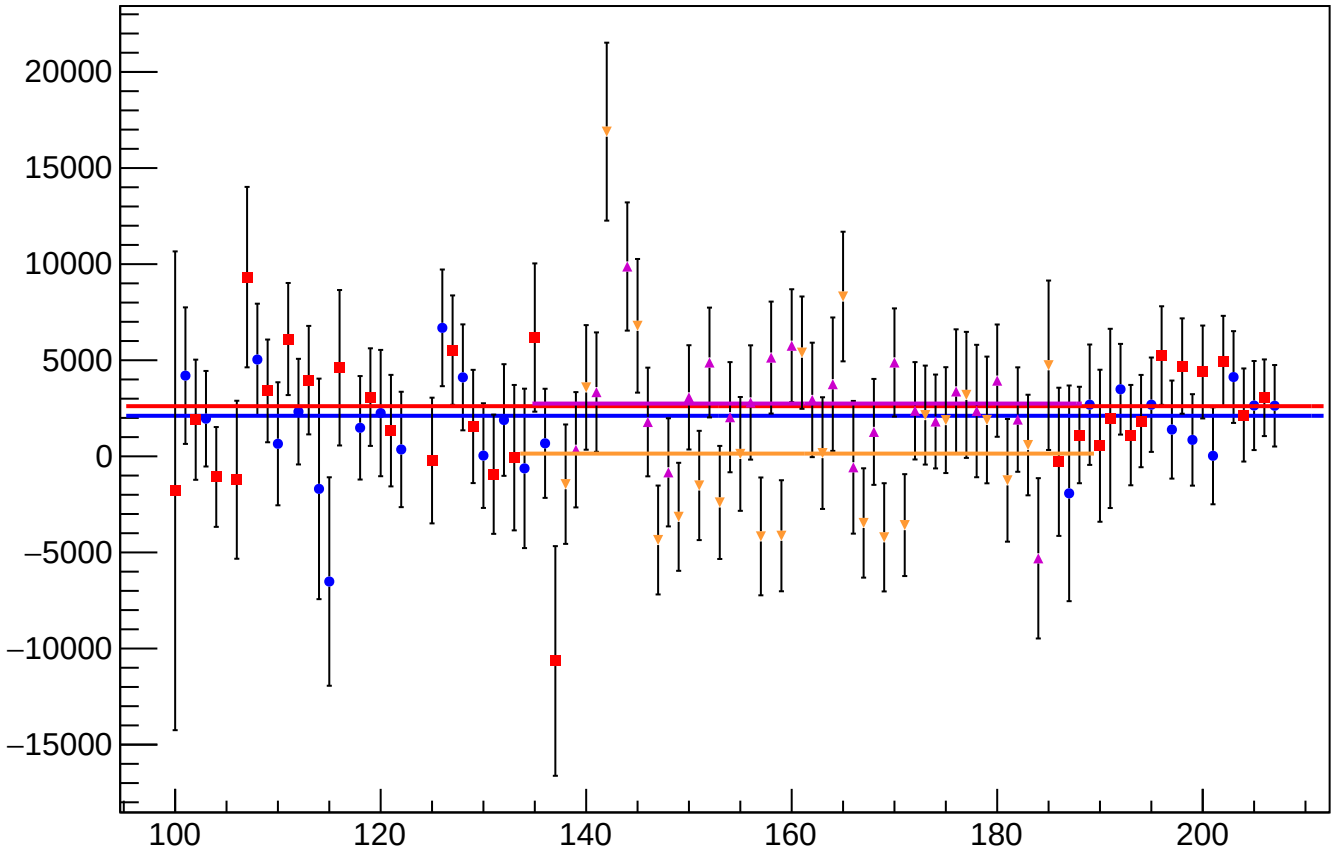
Left: 9739.942+/-1.160 χ^2/NDF: 2599247.1/46

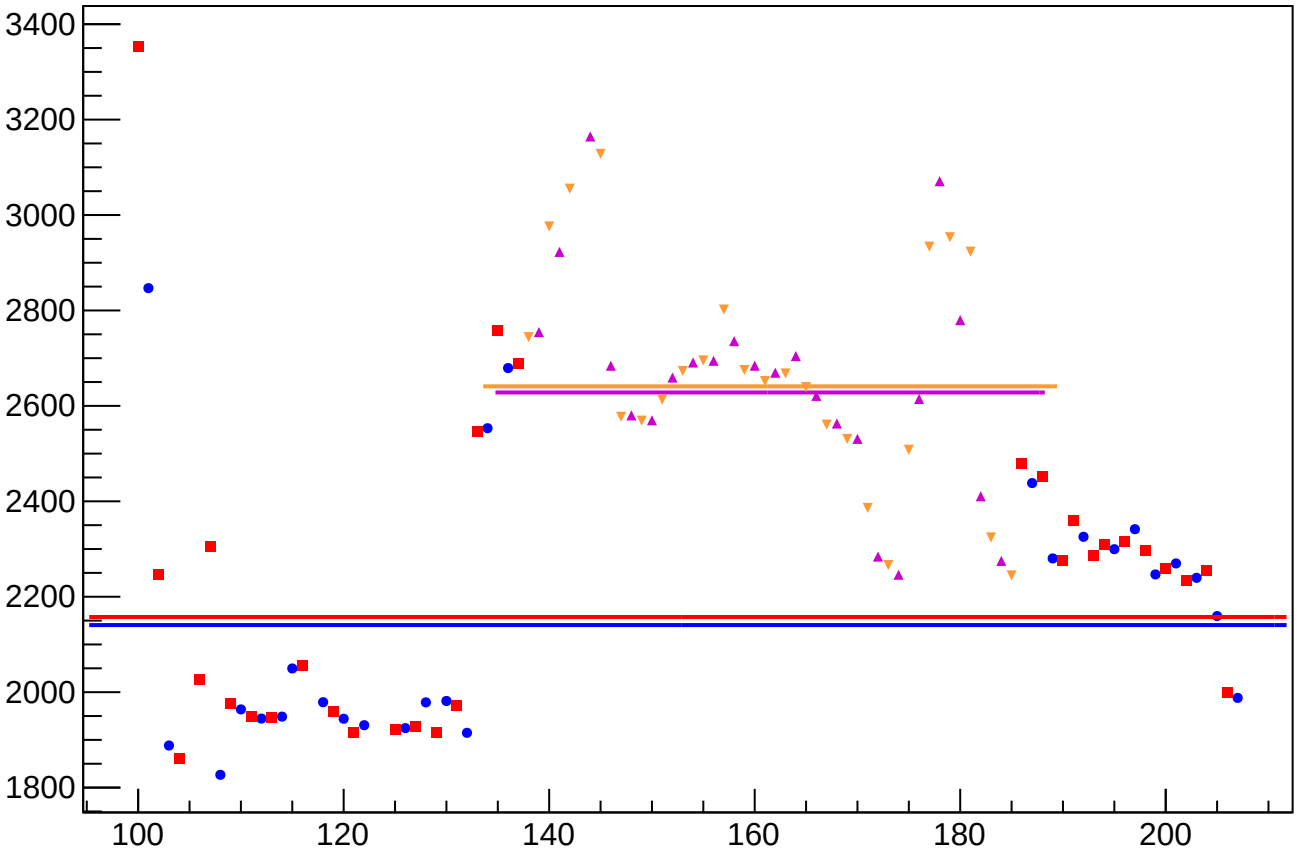
Right: 6931.628+/-0.913 χ^2/NDF: 4563300.6/55

In: 8080.447+/-1.033 χ^2/NDF:4953060.5/48

Out: 7936.036+/-0.998 χ^2/NDF:5817518.9/53

All: 8005.771+/-0.718 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: 2109.615+/-557.111 χ²/NDF: 11.8/25
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: 2367.484+/-387.912 χ²/NDF: 34.1/55
In: 2395.870+/-413.229 χ²/NDF:27.8/48
Out: 1536.322+/-406.179 χ²/NDF:76.7/53
All: 1958.700+/-289.672 χ²/NDF: 106.8/102



Right In: 2140.641+/-0.394 χ^2/NDF: 359808.3/25

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

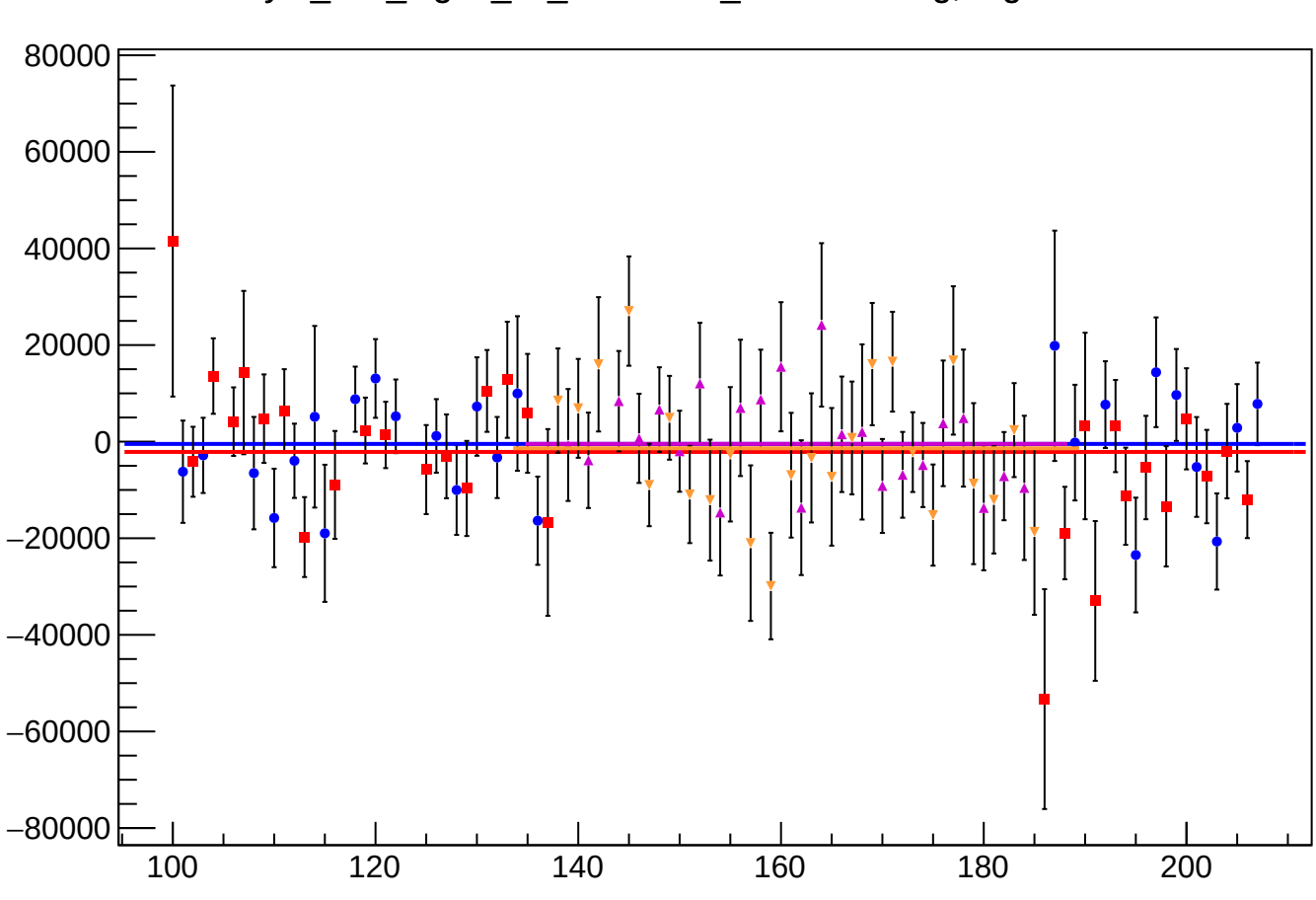
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2149.377+/-0.274 χ^2/NDF: 693821.7/55

In: 2359.921+/-0.292 χ^2/NDF:1286130.6/48

Out: 2367.770+/-0.287 χ^2/NDF:1283222.5/53

All: 2363.914+/-0.205 χ^2/NDF: 2569720.2/10



Right In: -472.608+/-1882.101 χ^2/NDF: 28.9/25

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

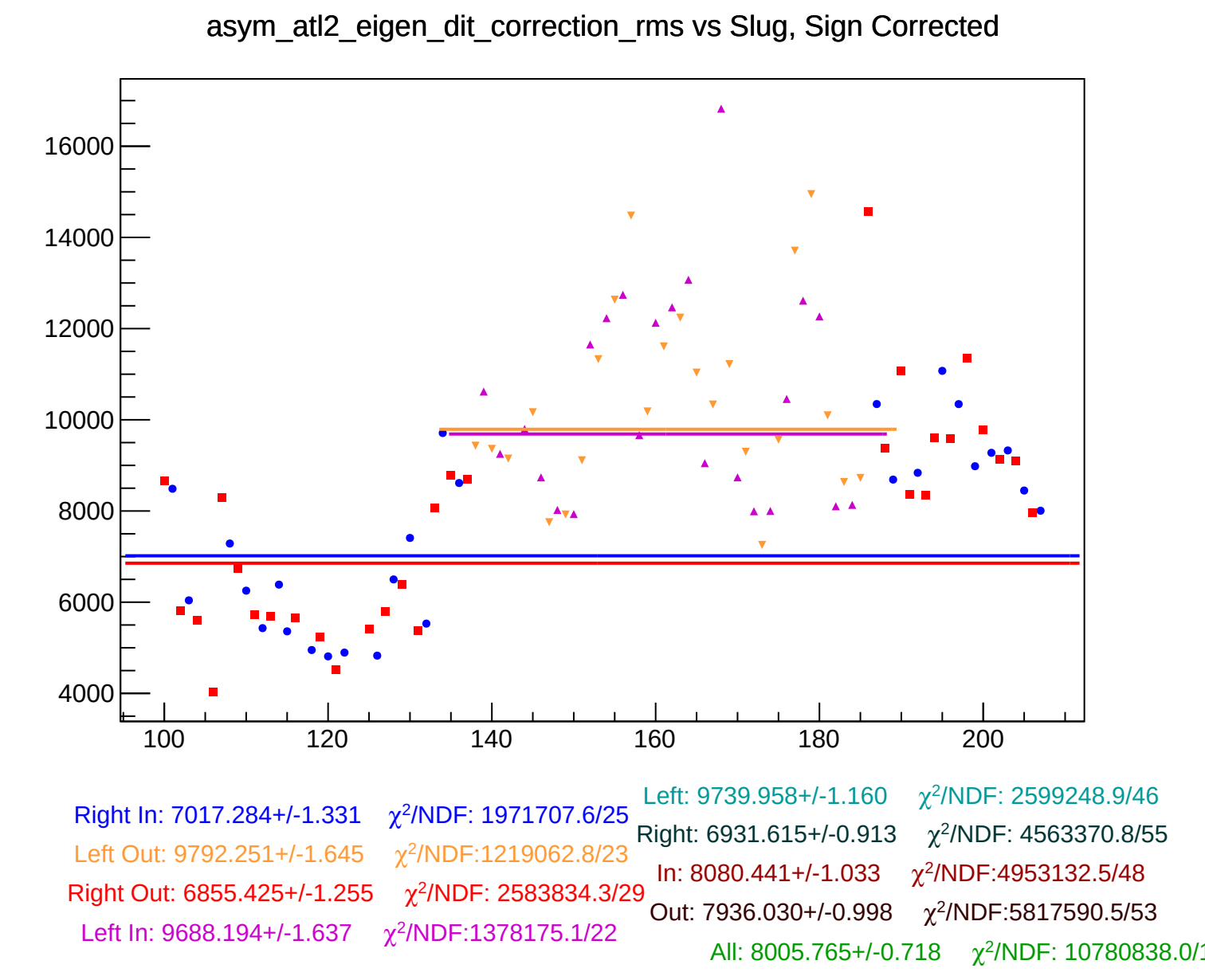
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1348.744+/-1291.294 χ^2/NDF: 65.7/55

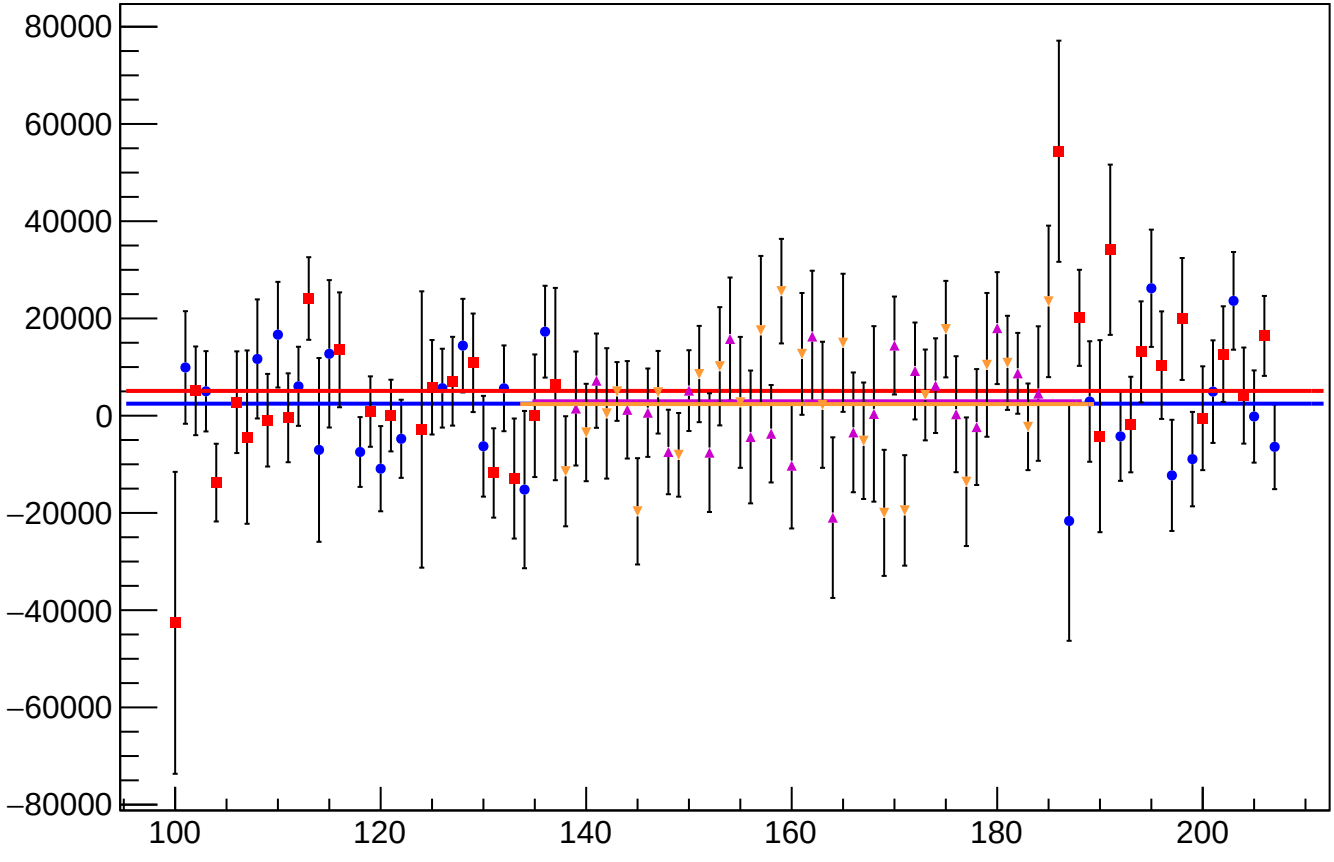
In: -469.093+/-1460.235 χ^2/NDF:42.0/48

Out: -1847.903+/-1411.103 χ^2/NDF:67.7/53

All: -1182.084+/-1014.726 χ^2/NDF: 110.2/10


asym_atl2_eigen_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 7017.284+/-1.331 χ²/NDF: 1971707.6/25
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6855.425+/-1.255 χ²/NDF: 2583834.3/29
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6931.615+/-0.913 χ²/NDF: 4563370.8/55
In: 8080.441+/-1.033 χ²/NDF:4953132.5/48
Out: 7936.030+/-0.998 χ²/NDF:5817590.5/53
All: 8005.765+/-0.718 χ²/NDF: 10780838.0/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2471.088+/-1964.635 χ^2/NDF: 28.9/25

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

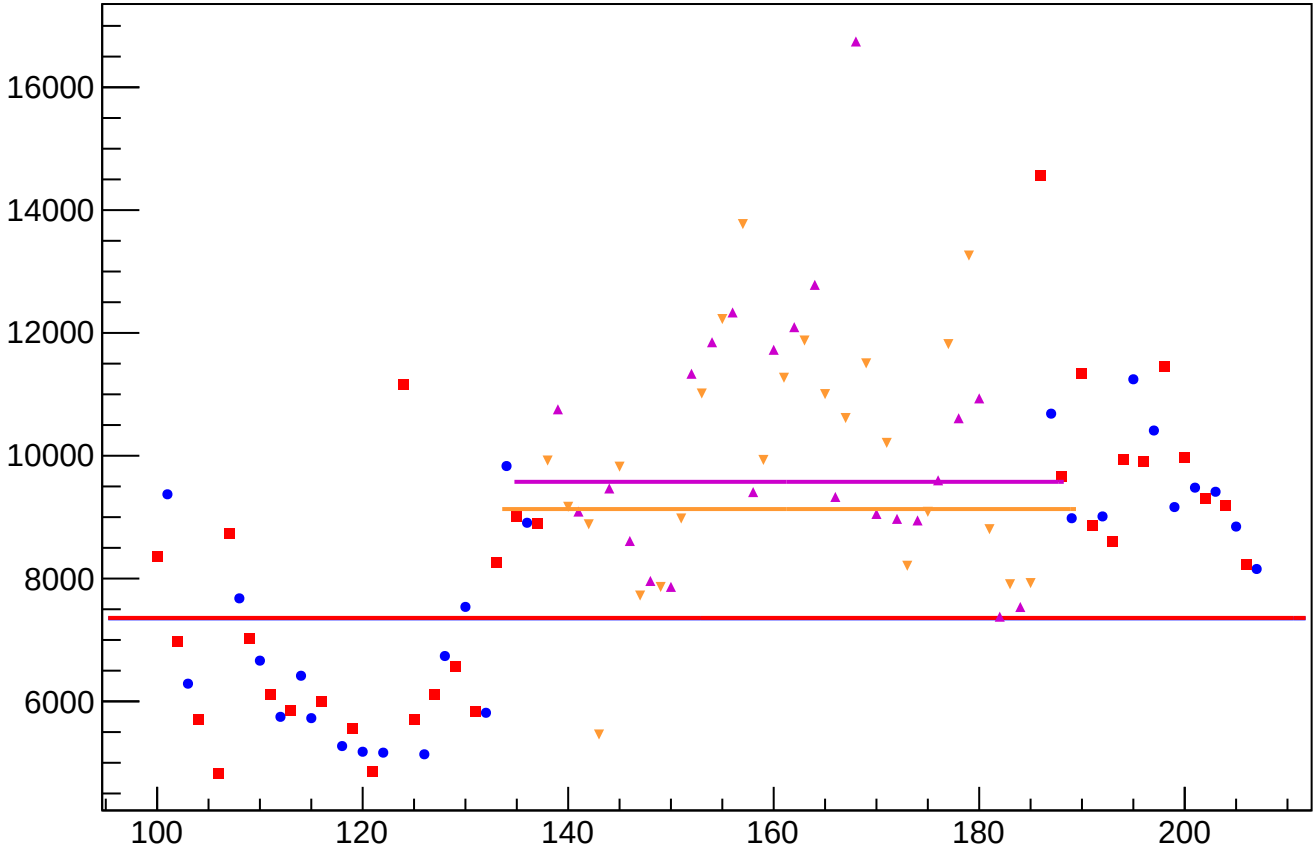
Right: 3833.287+/-1362.549 χ^2/NDF: 66.8/56

In: 2681.039+/-1488.021 χ^2/NDF:41.9/48

Out: 3906.028+/-1416.163 χ^2/NDF:67.6/55

All: 3323.825+/-1025.841 χ^2/NDF: 109.9/104

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7352.069+/-1.389 χ^2/NDF: 1758689.2/25

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

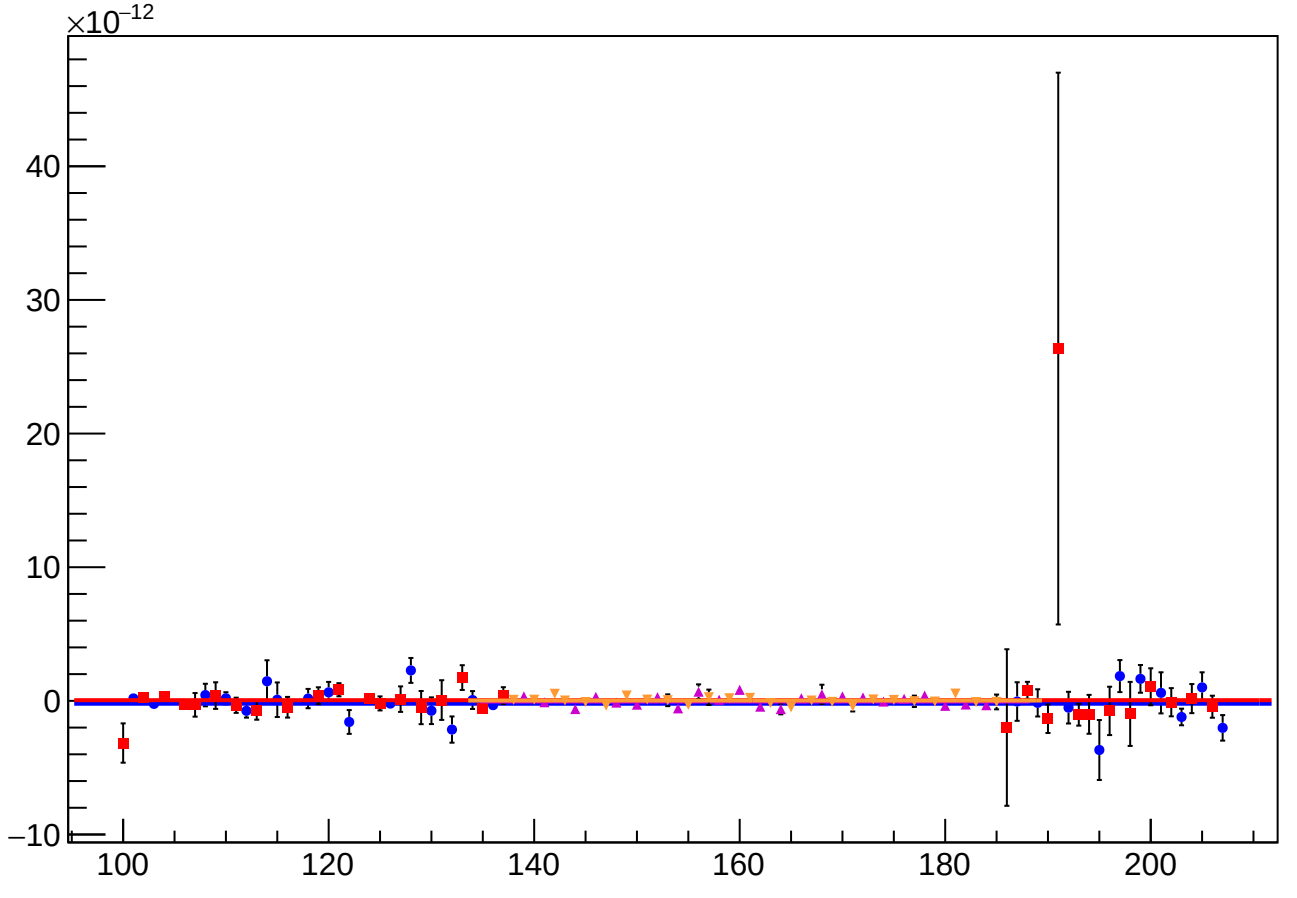
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7355.832+/-0.963 χ^2/NDF: 3886666.2/56

In: 8299.894+/-1.052 χ^2/NDF:4004350.4/48

Out: 8138.016+/-1.001 χ^2/NDF:4711285.1/55

All: 8214.952+/-0.725 χ^2/NDF: 8728055.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/25

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

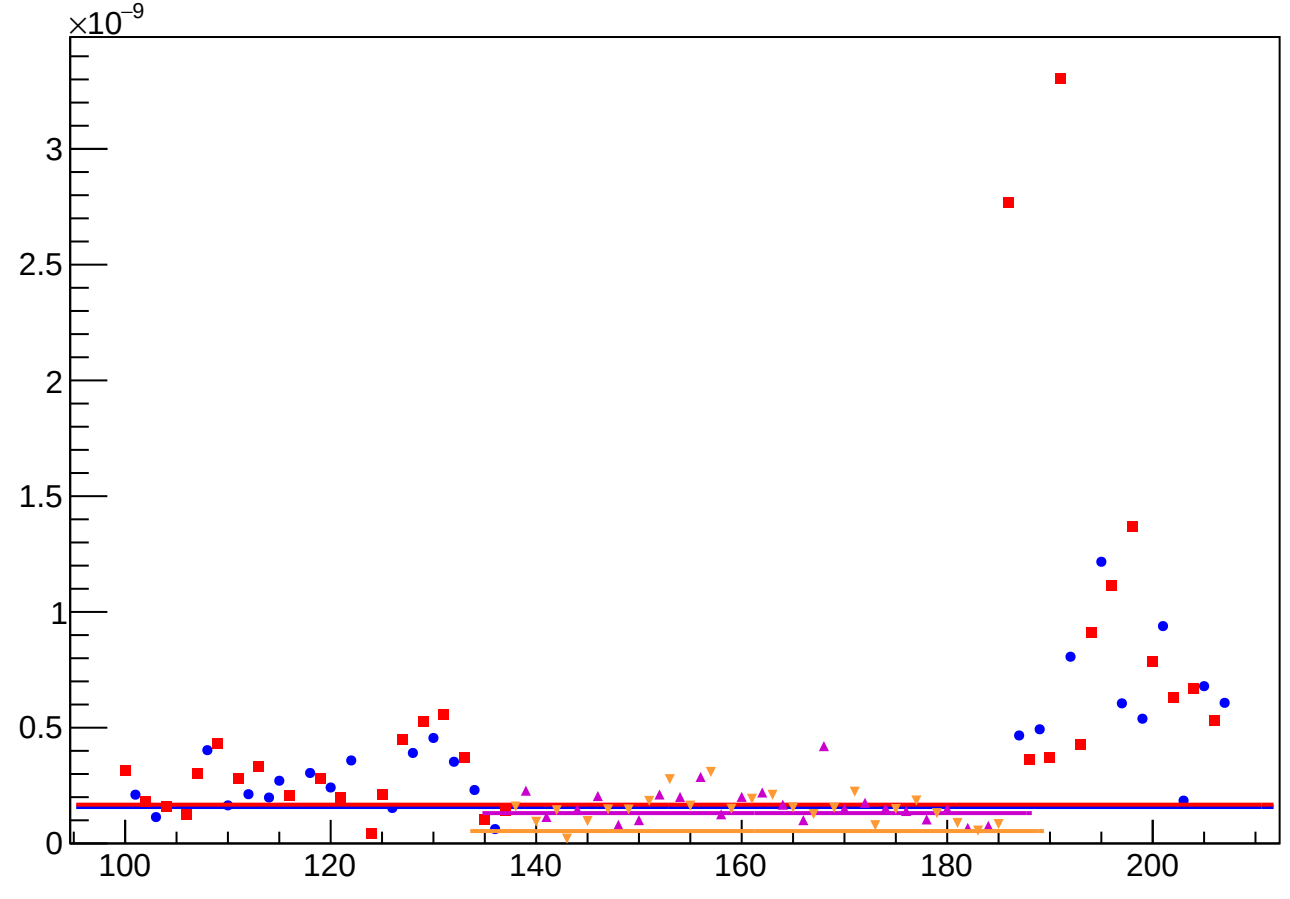
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 70.6/56

In: -0.000+/-0.000 χ^2/NDF:76.3/48

Out: 0.000+/-0.000 χ^2/NDF:47.2/55

All: -0.000+/-0.000 χ^2/NDF: 128.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 5192853.8/25

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

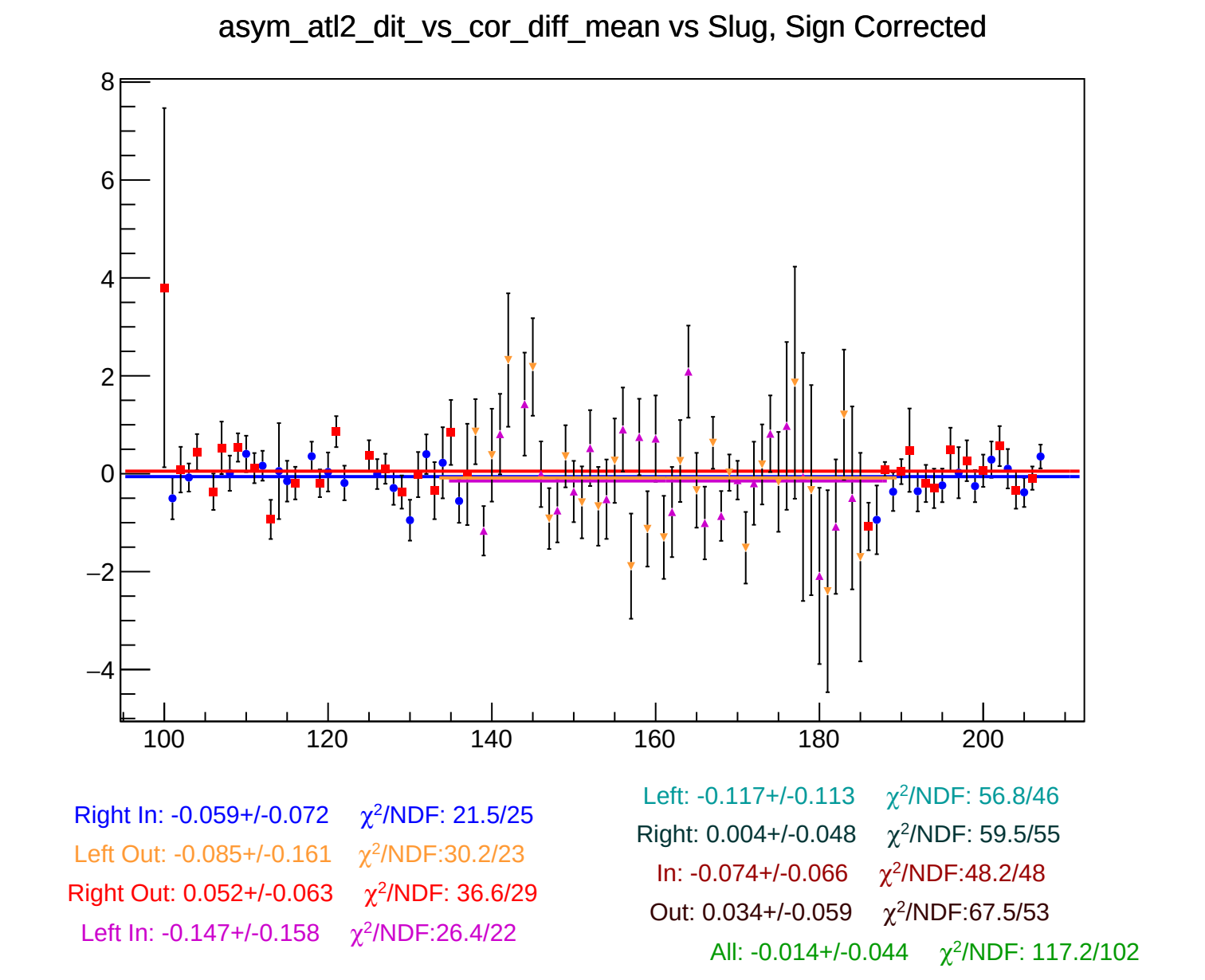
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11831596.1/56

In: 0.000+/-0.000 χ^2/NDF:7217909.4/48

Out: 0.000+/-0.000 χ^2/NDF:16670724.5/55

All: 0.000+/-0.000 χ^2/NDF: 27512646.7/104


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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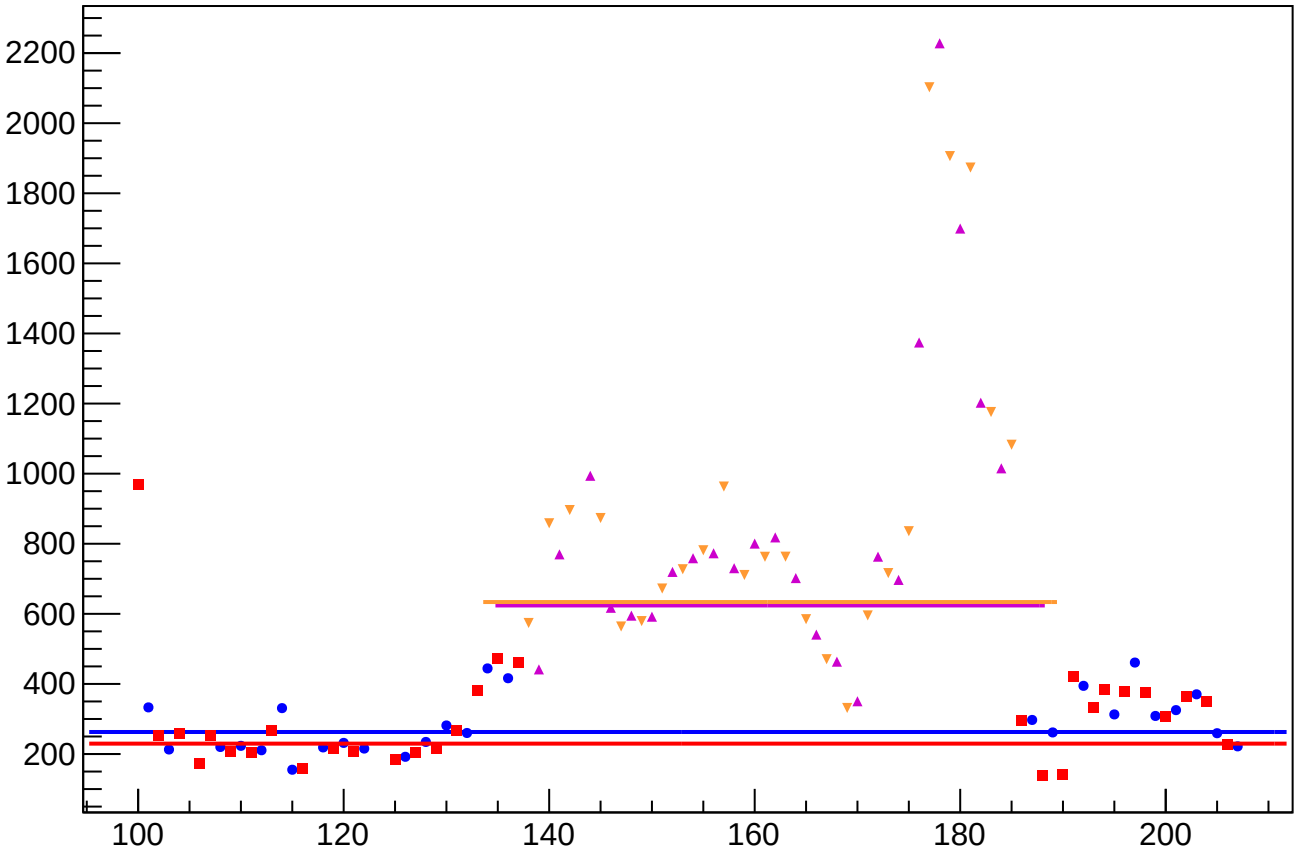
Right In: -0.059+/-0.072 χ²/NDF: 21.5/25
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.004+/-0.048 χ²/NDF: 59.5/55
In: -0.074+/-0.066 χ²/NDF:48.2/48
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.014+/-0.044 χ²/NDF: 117.2/102



Right In: 262.865+/-0.051 χ^2/NDF: 1782173.9/25

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

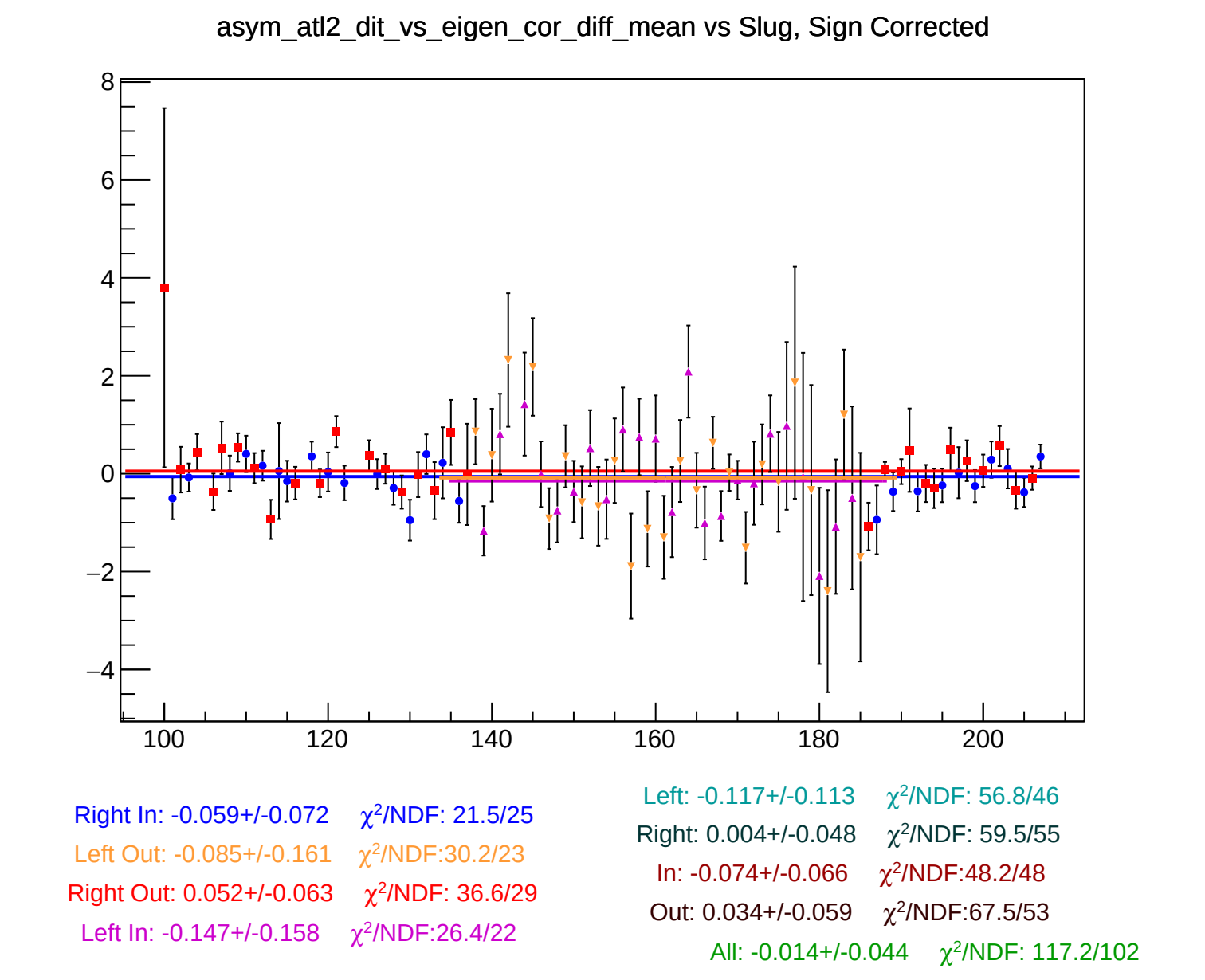
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 243.993+/-0.034 χ^2/NDF: 5431132.9/55

In: 325.295+/-0.047 χ^2/NDF:14938343.1/48

Out: 283.158+/-0.042 χ^2/NDF:19272057.4/53

All: 301.853+/-0.031 χ^2/NDF: 34666838.5/10


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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180
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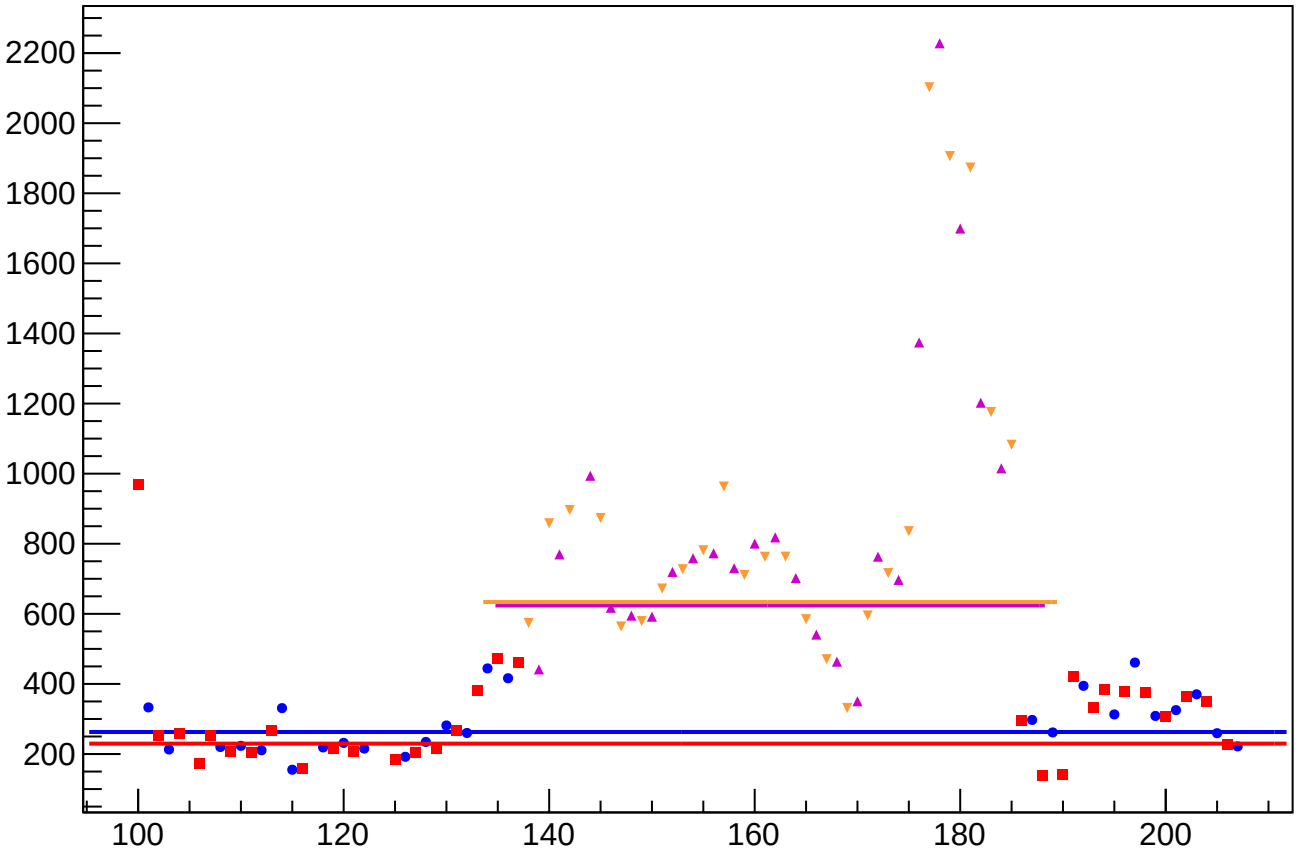
Right In: -0.059+/-0.072 χ²/NDF: 21.5/25
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.004+/-0.048 χ²/NDF: 59.5/55
In: -0.074+/-0.066 χ²/NDF:48.2/48
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.014+/-0.044 χ²/NDF: 117.2/102



Right In: 262.865+/-0.051 χ^2/NDF: 1782173.9/25

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

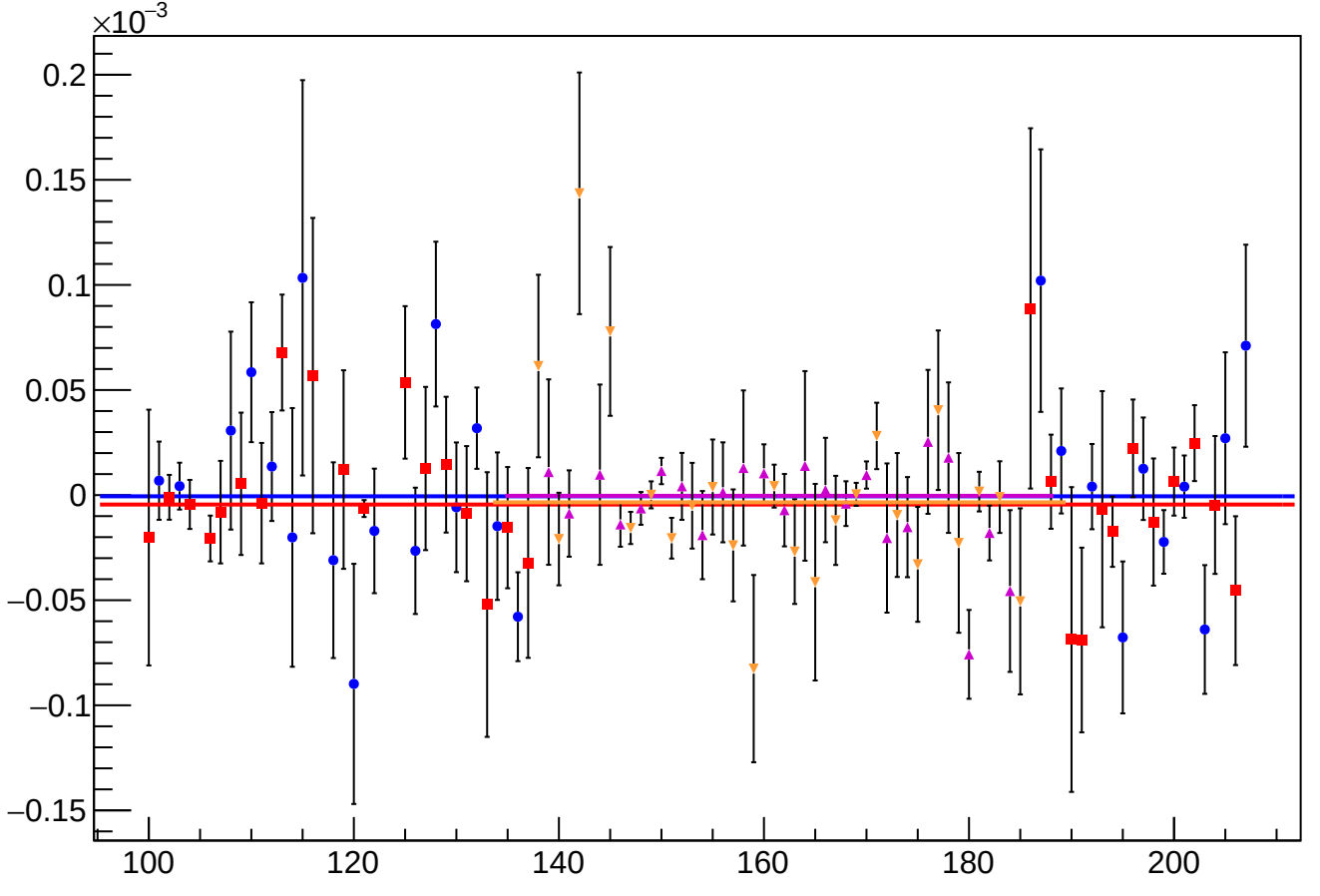
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 243.993+/-0.034 χ^2/NDF: 5431132.9/55

In: 325.295+/-0.047 χ^2/NDF:14938343.1/48

Out: 283.158+/-0.042 χ^2/NDF:19272057.4/53

All: 301.853+/-0.031 χ^2/NDF: 34666838.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 40.3/25

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

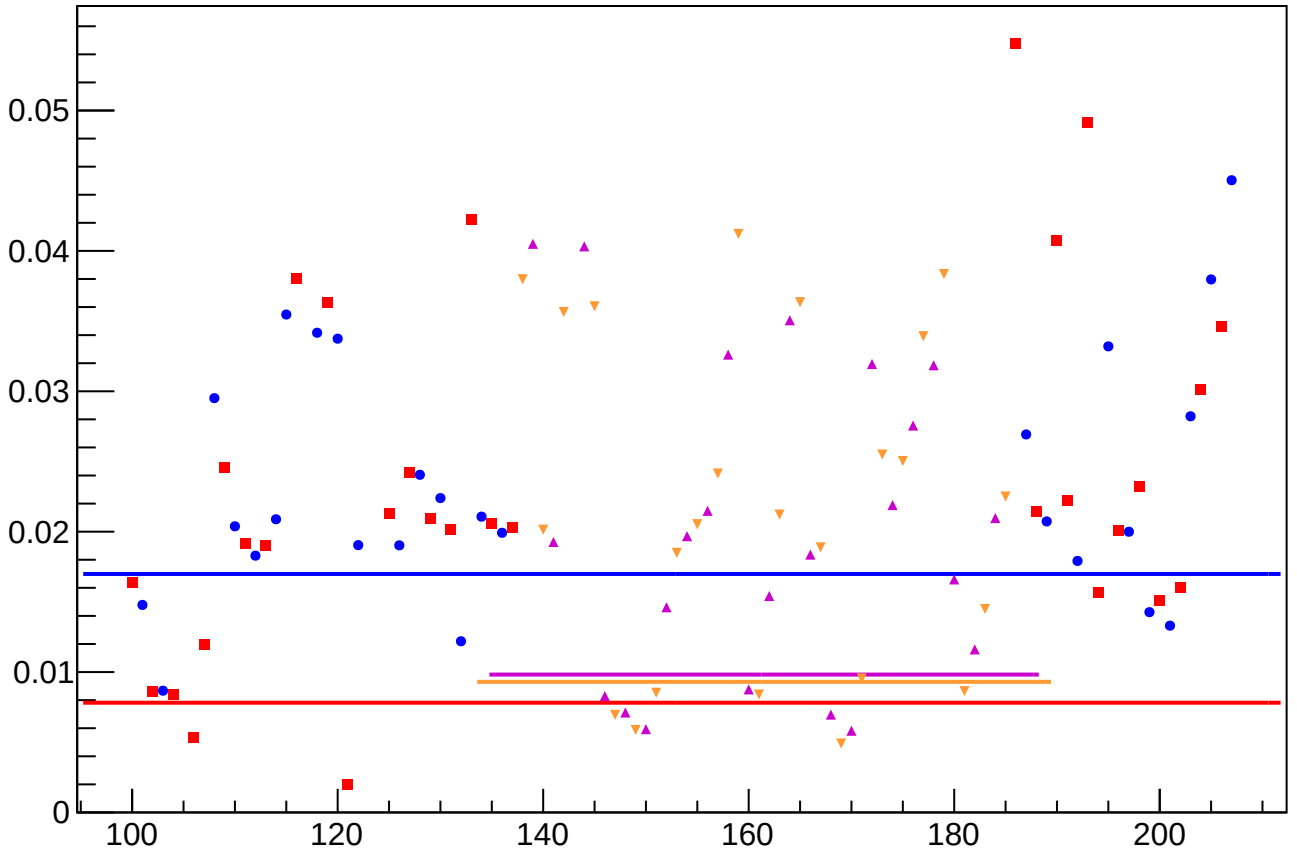
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 66.2/55

In: -0.000+/-0.000 χ^2/NDF:68.2/48

Out: -0.000+/-0.000 χ^2/NDF:59.7/53

All: -0.000+/-0.000 χ^2/NDF: 129.1/102



Right In: 0.017+/-0.000 χ^2/NDF: 4355642.0/25

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

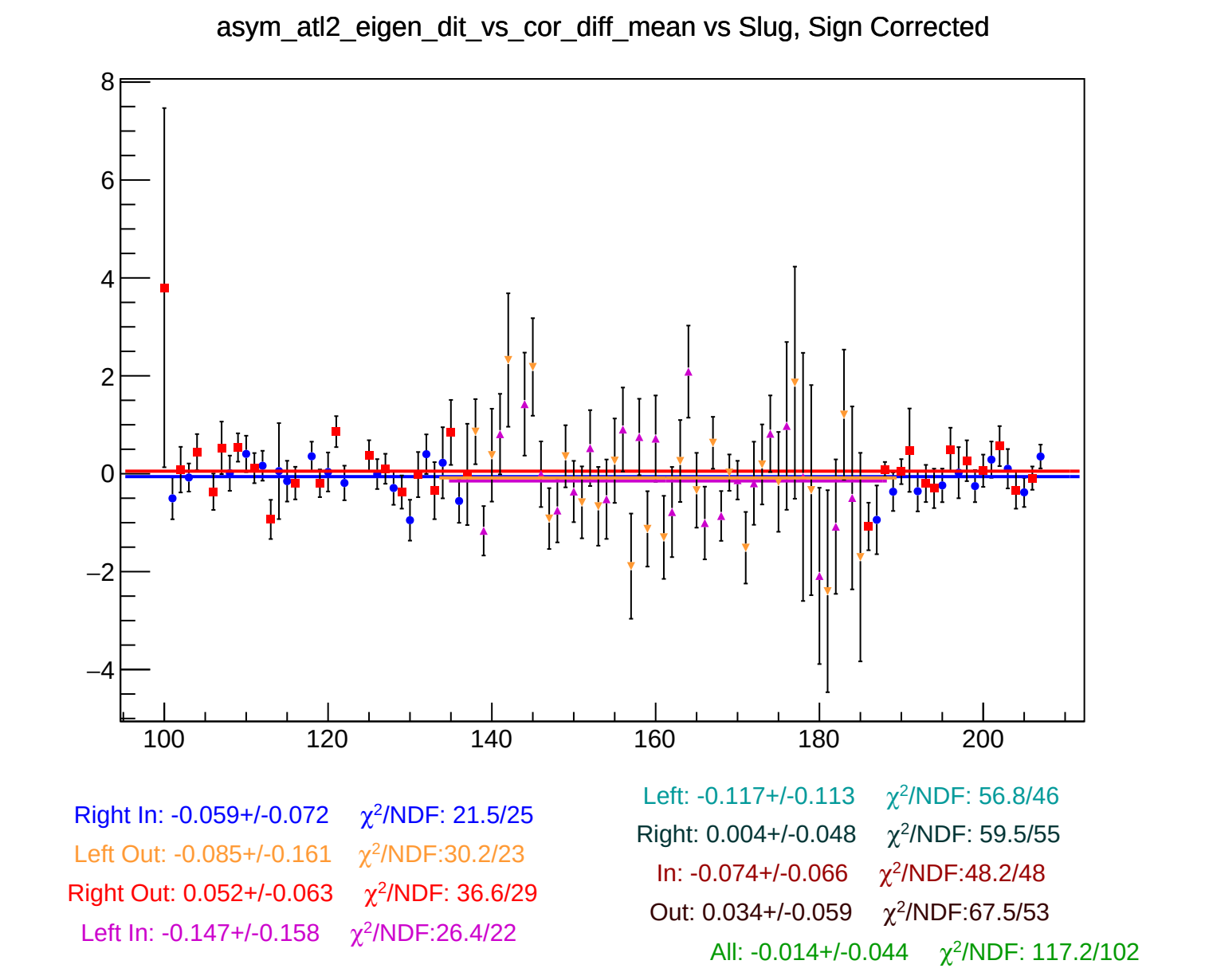
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 25959491.6/55

In: 0.012+/-0.000 χ^2/NDF:17847584.2/48

Out: 0.009+/-0.000 χ^2/NDF:28925386.5/53

All: 0.010+/-0.000 χ^2/NDF: 48619747.2/102


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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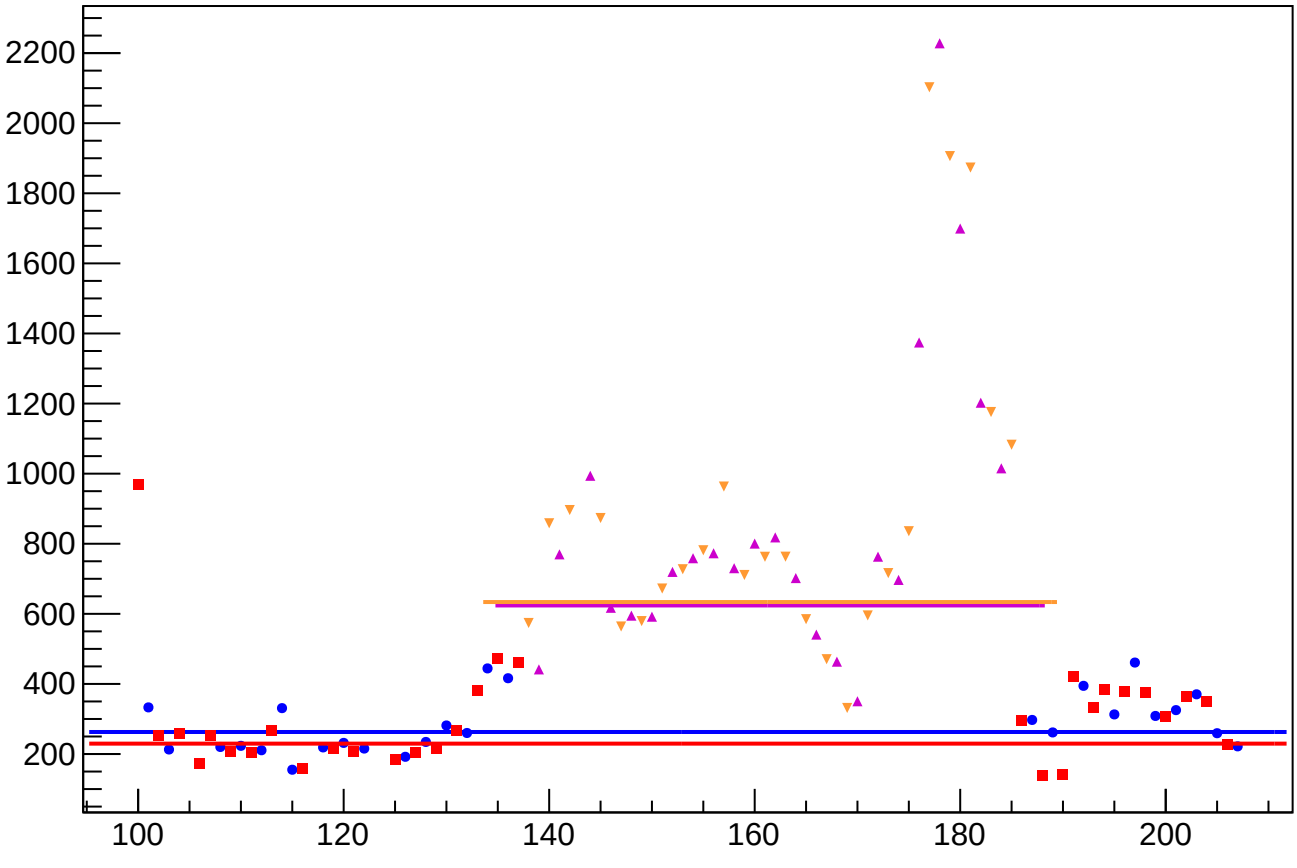
Right In: -0.059+/-0.072 χ²/NDF: 21.5/25
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.052+/-0.063 χ²/NDF: 36.6/29
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: 0.004+/-0.048 χ²/NDF: 59.5/55
In: -0.074+/-0.066 χ²/NDF:48.2/48
Out: 0.034+/-0.059 χ²/NDF:67.5/53
All: -0.014+/-0.044 χ²/NDF: 117.2/102



Right In: 262.866+/-0.051 χ^2/NDF: 1782151.7/25

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

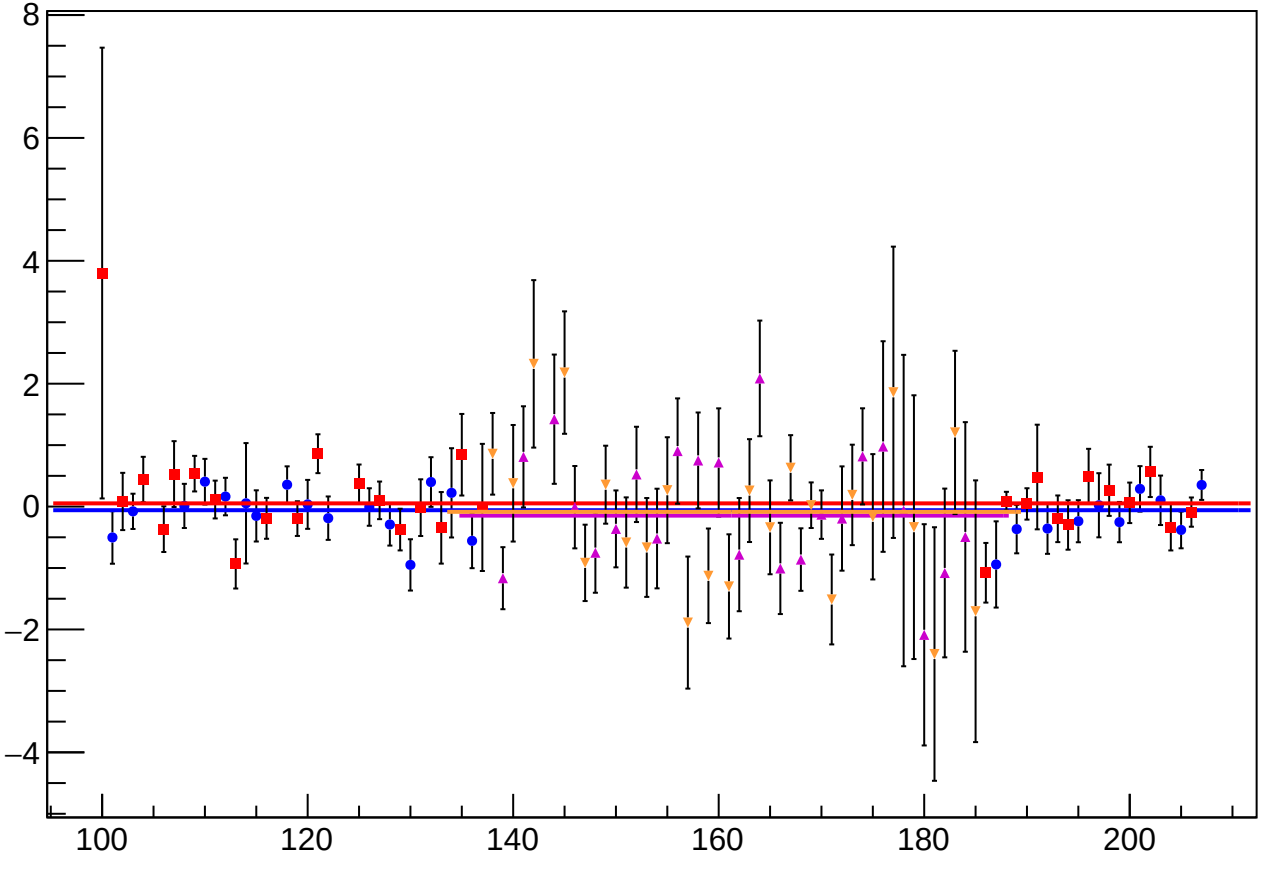
Right: 243.993+/-0.034 χ^2/NDF: 5431314.5/55

In: 325.296+/-0.047 χ^2/NDF:14938401.0/48

Out: 283.156+/-0.042 χ^2/NDF:19272469.6/53

All: 301.852+/-0.031 χ^2/NDF: 34667380.1/10

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.072 χ^2/NDF: 21.5/25

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.052+/-0.063 χ^2/NDF: 36.6/29

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

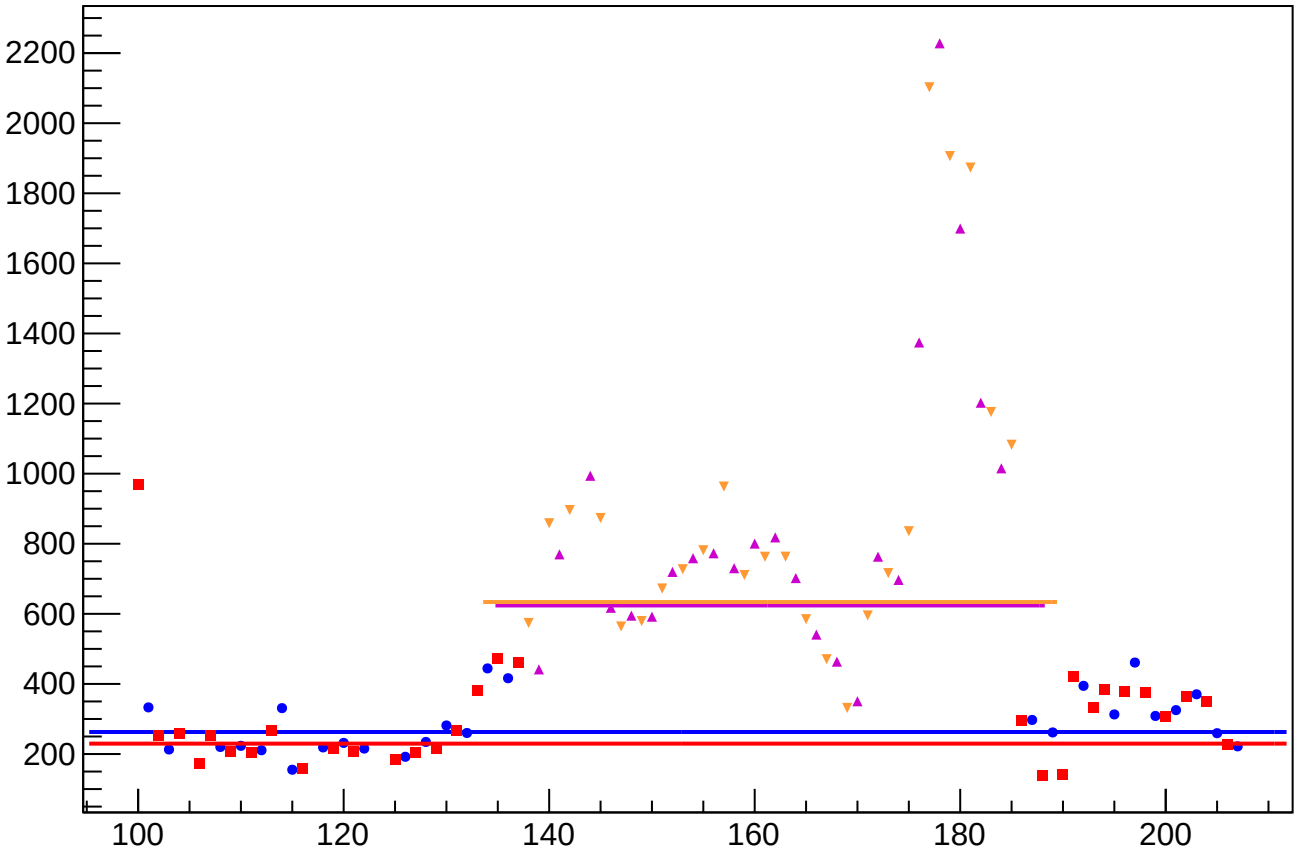
Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

Right: 0.004+/-0.048 χ^2/NDF: 59.5/55

In: -0.074+/-0.066 χ^2/NDF:48.2/48

Out: 0.034+/-0.059 χ^2/NDF:67.5/53

All: -0.014+/-0.044 χ^2/NDF: 117.2/102


asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected
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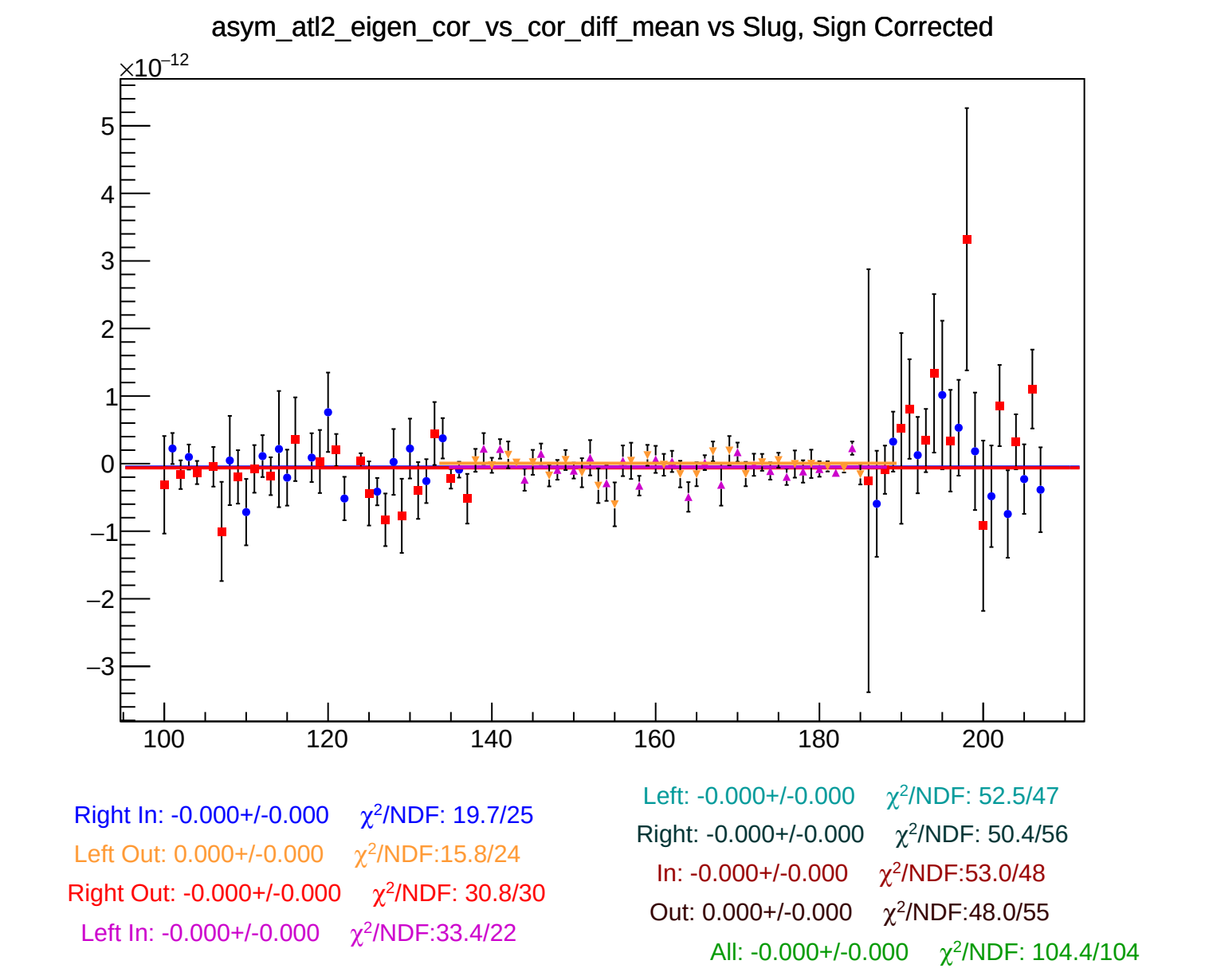
160
180
200
Right In: 262.866+/-0.051 χ²/NDF: 1782151.7/25
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 229.643+/-0.045 χ²/NDF: 3409511.7/29
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 243.993+/-0.034 χ²/NDF: 5431314.5/55
In: 325.296+/-0.047 χ²/NDF:14938401.0/48
Out: 283.156+/-0.042 χ²/NDF:19272469.6/53
All: 301.852+/-0.031 χ²/NDF: 34667380.1/10


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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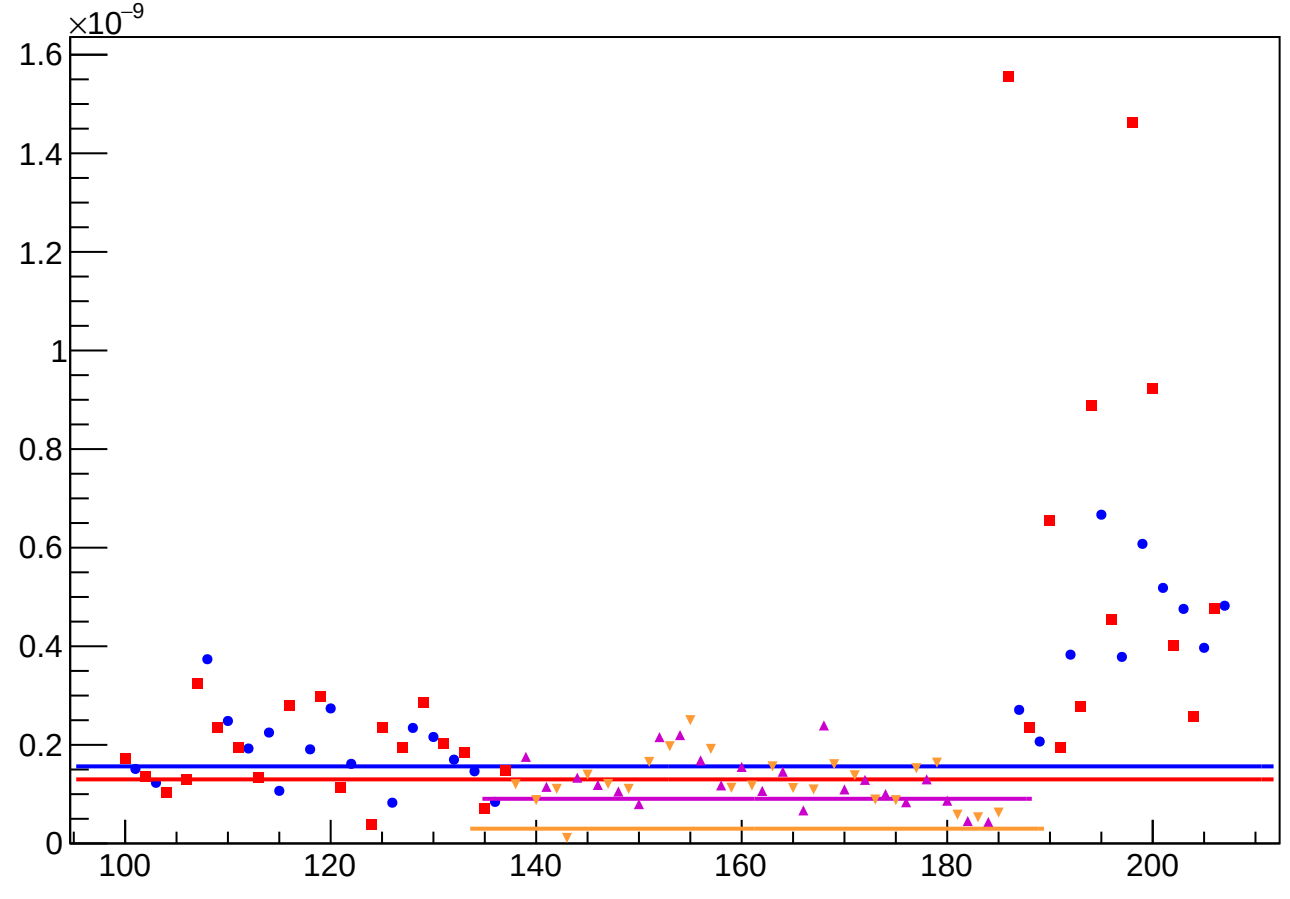
Right In: -0.000+/-0.000 χ²/NDF: 19.7/25
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.8/30
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 50.4/56
In: -0.000+/-0.000 χ²/NDF:53.0/48
Out: 0.000+/-0.000 χ²/NDF:48.0/55
All: -0.000+/-0.000 χ²/NDF: 104.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 5119143.2/25

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

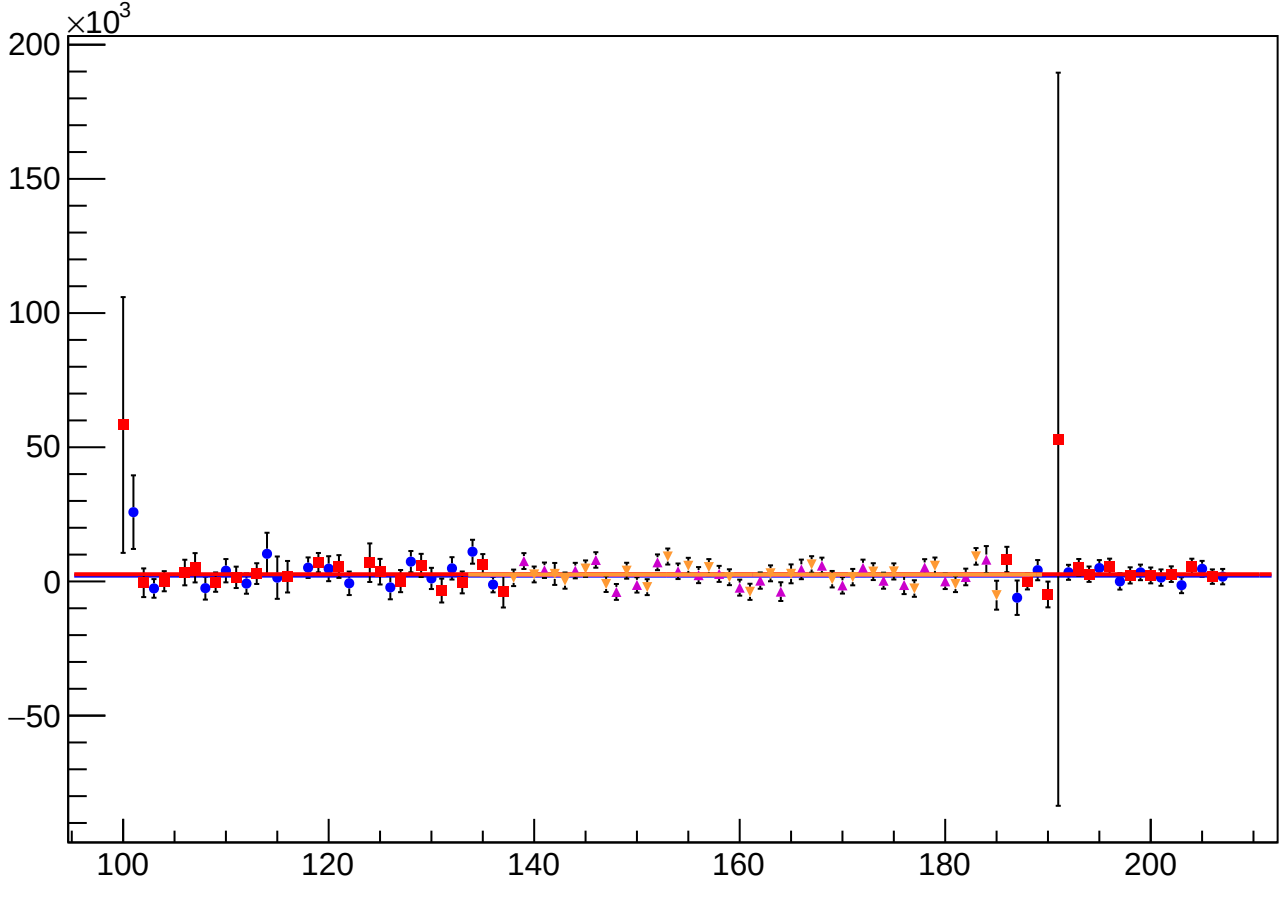
Right: 0.000+/-0.000 χ^2/NDF: 13603035.1/56

In: 0.000+/-0.000 χ^2/NDF:11607763.6/48

Out: 0.000+/-0.000 χ^2/NDF:31544388.9/55

All: 0.000+/-0.000 χ^2/NDF: 53506787.1/104

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2162.211+/-726.987 χ^2/NDF: 23.8/25

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

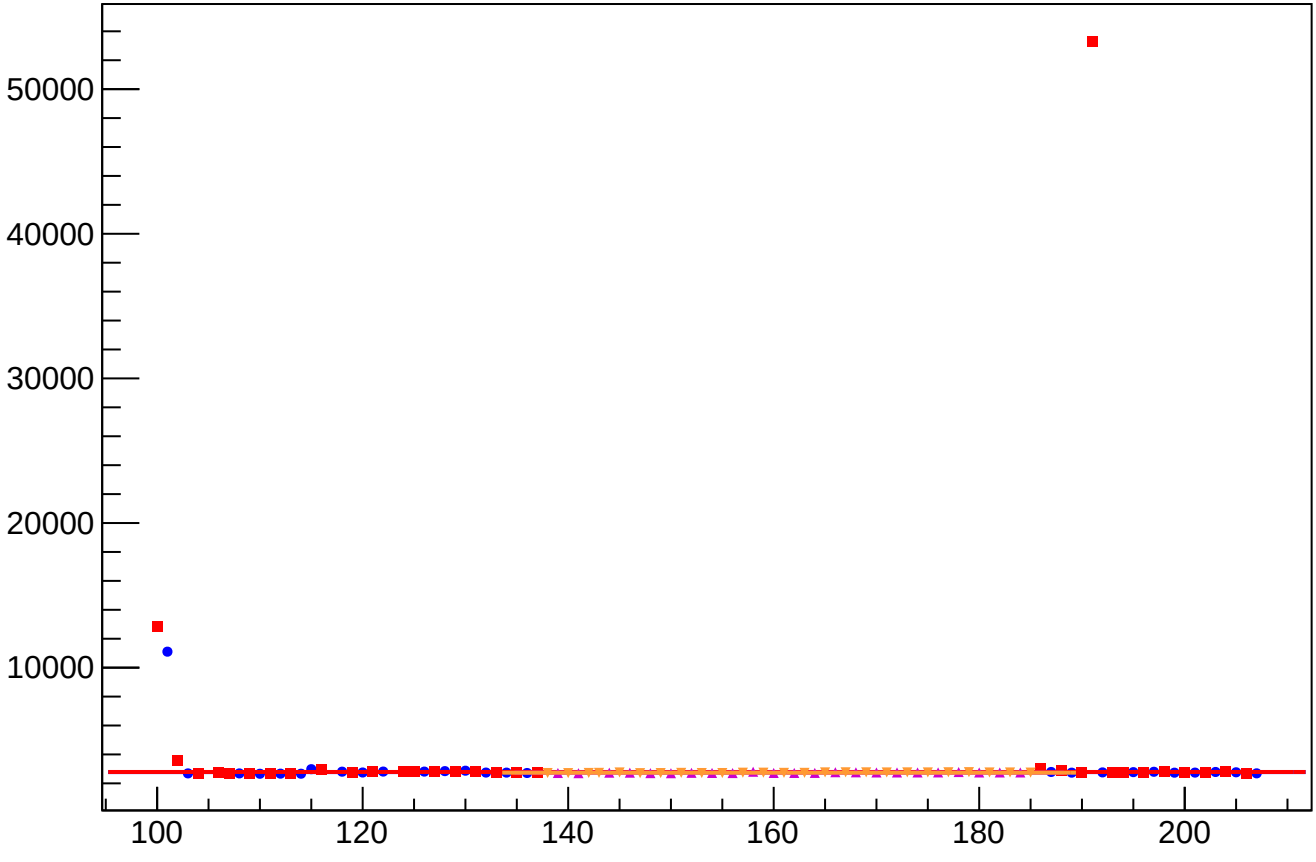
Right: 2434.695+/-503.165 χ^2/NDF: 42.2/56

In: 2300.915+/-480.258 χ^2/NDF:55.2/48

Out: 2613.731+/-464.044 χ^2/NDF:49.7/55

All: 2462.693+/-333.714 χ^2/NDF: 105.1/104

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.049+/-0.514 χ^2/NDF: 750431.9/25

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

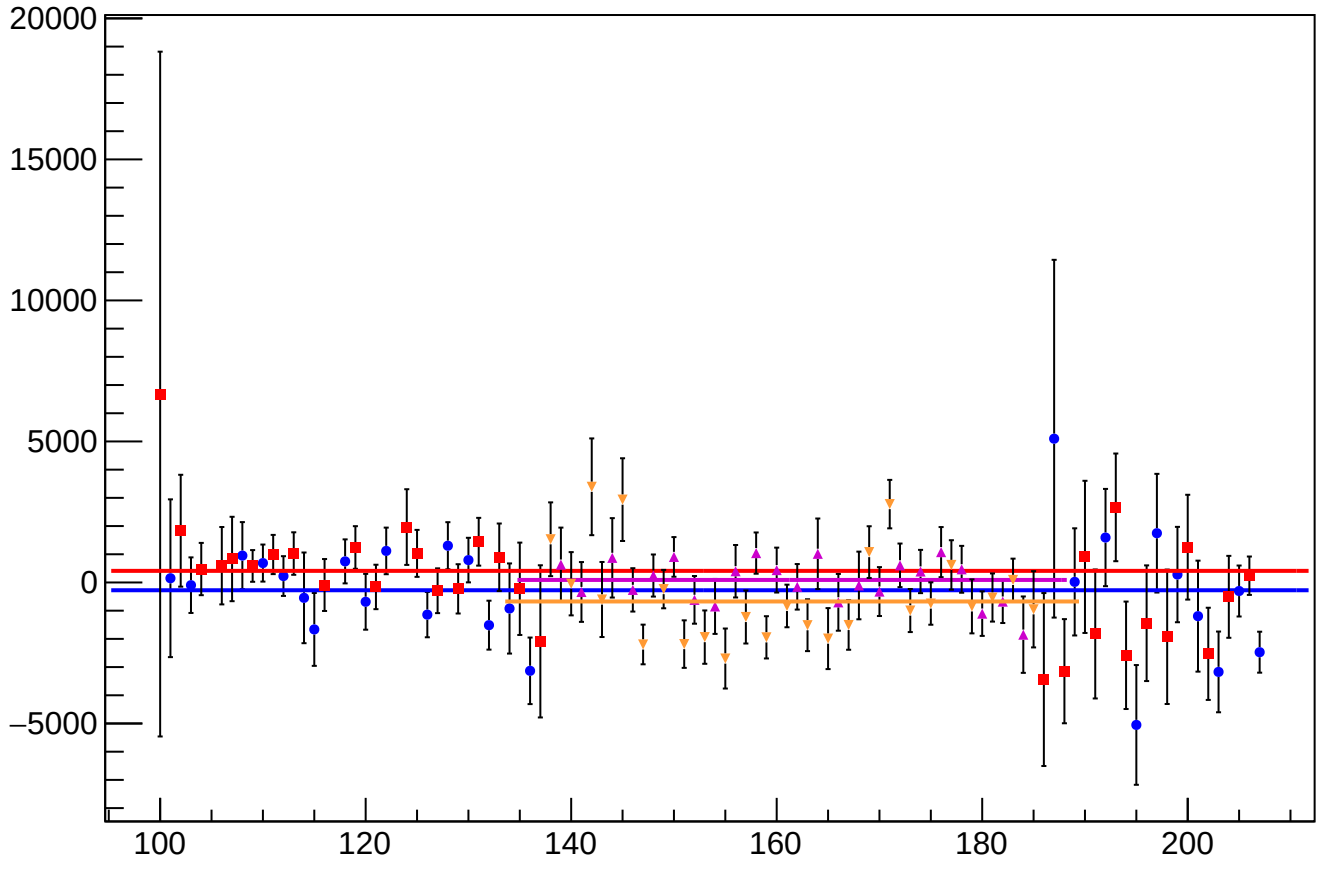
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2783.277+/-0.356 χ^2/NDF: 1231955.7/56

In: 2756.964+/-0.340 χ^2/NDF:757068.7/48

Out: 2759.517+/-0.328 χ^2/NDF:489360.6/55

All: 2758.285+/-0.236 χ^2/NDF: 1246458.5/10



Right In: -275.956+/-205.643 χ^2/NDF: 45.8/25

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

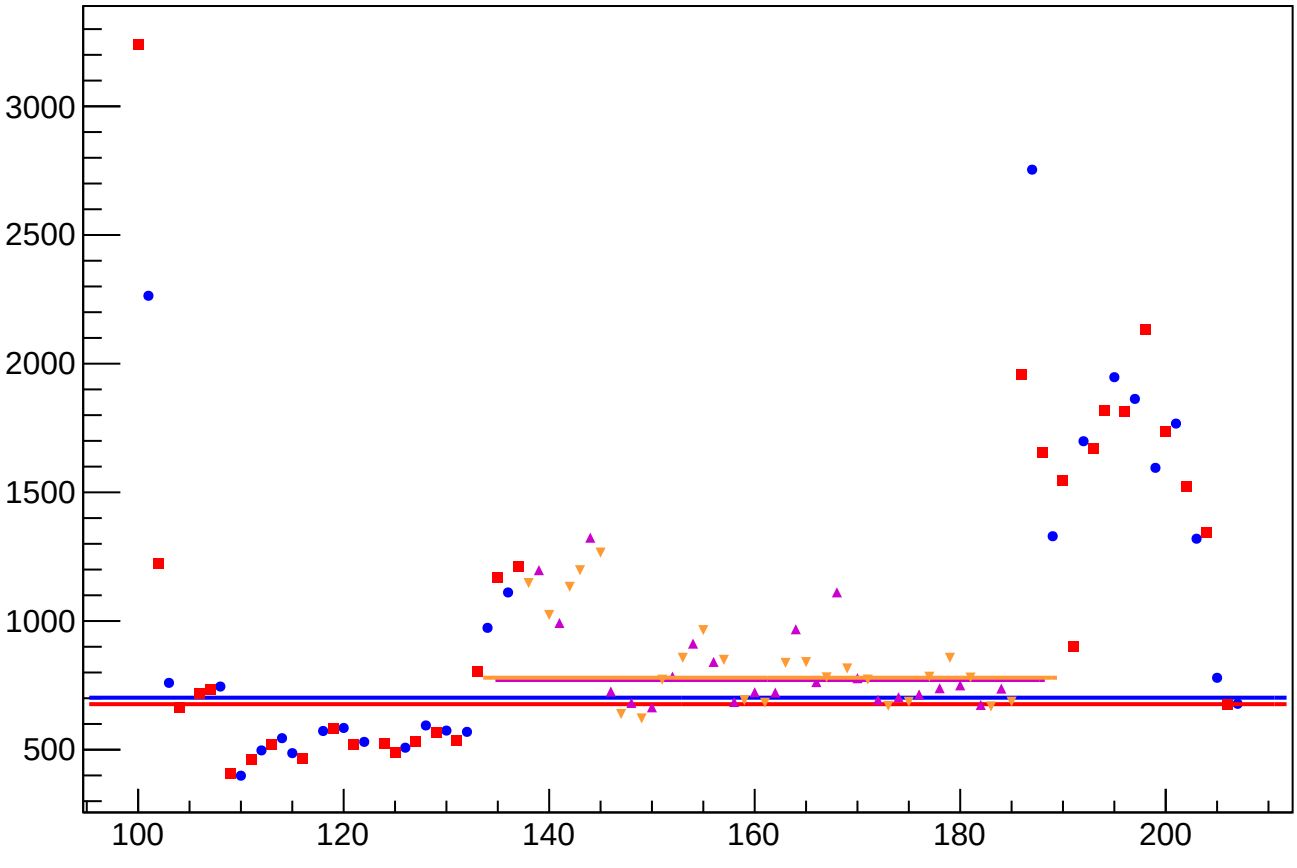
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 86.849+/-141.308 χ^2/NDF: 77.8/56

In: -72.481+/-136.912 χ^2/NDF:62.4/48

Out: -169.423+/-132.593 χ^2/NDF:101.1/55

All: -122.505+/-95.248 χ^2/NDF: 163.7/104



Right In: 702.100+/-0.145 χ^2/NDF: 5946721.1/25

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

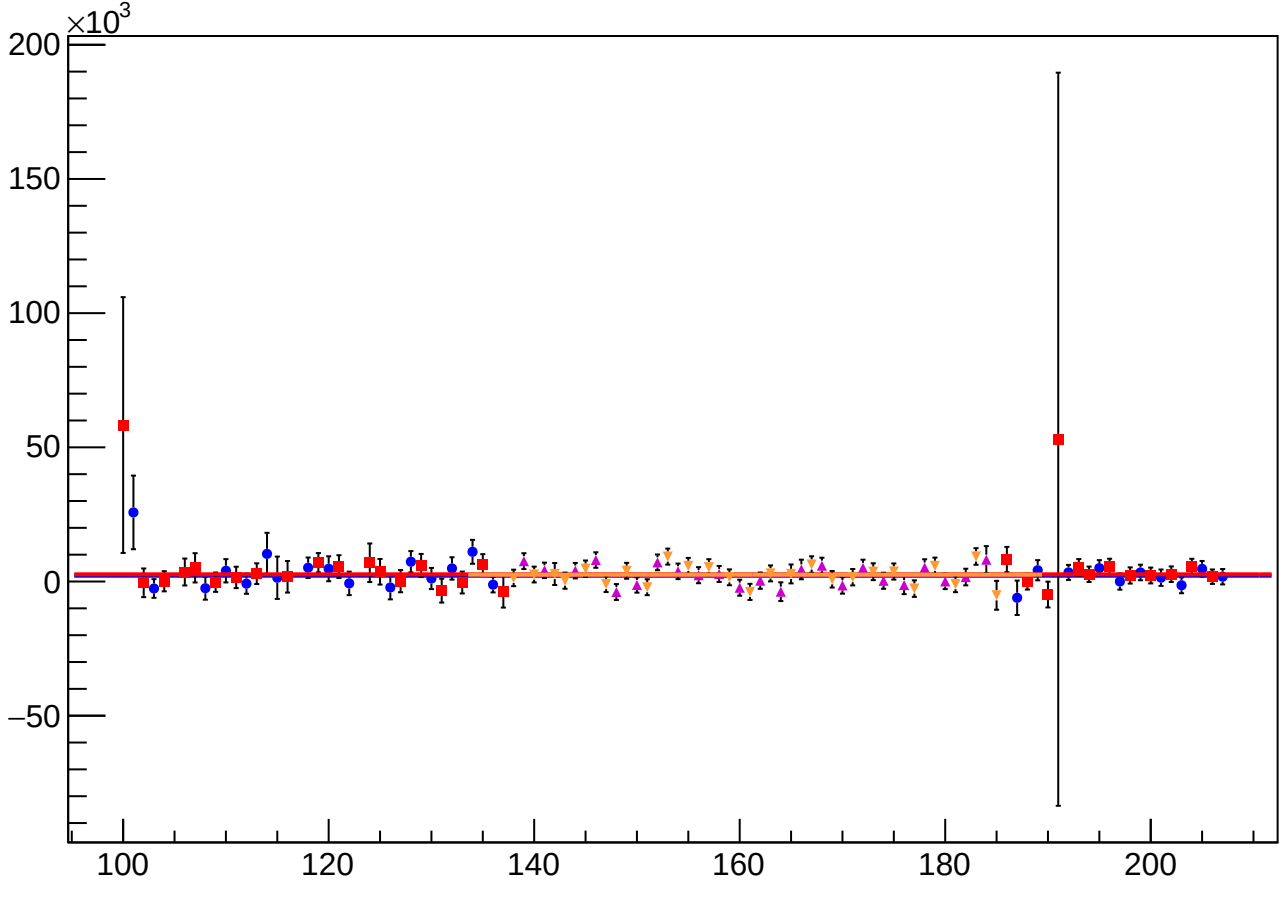
Right: 688.810+/-0.100 χ^2/NDF: 13089559.8/56

In: 740.345+/-0.097 χ^2/NDF:7147328.1/48

Out: 731.945+/-0.094 χ^2/NDF:8669771.5/55

All: 736.010+/-0.067 χ^2/NDF: 15820985.2/10

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2161.905+/-726.987 χ^2/NDF: 23.8/25

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

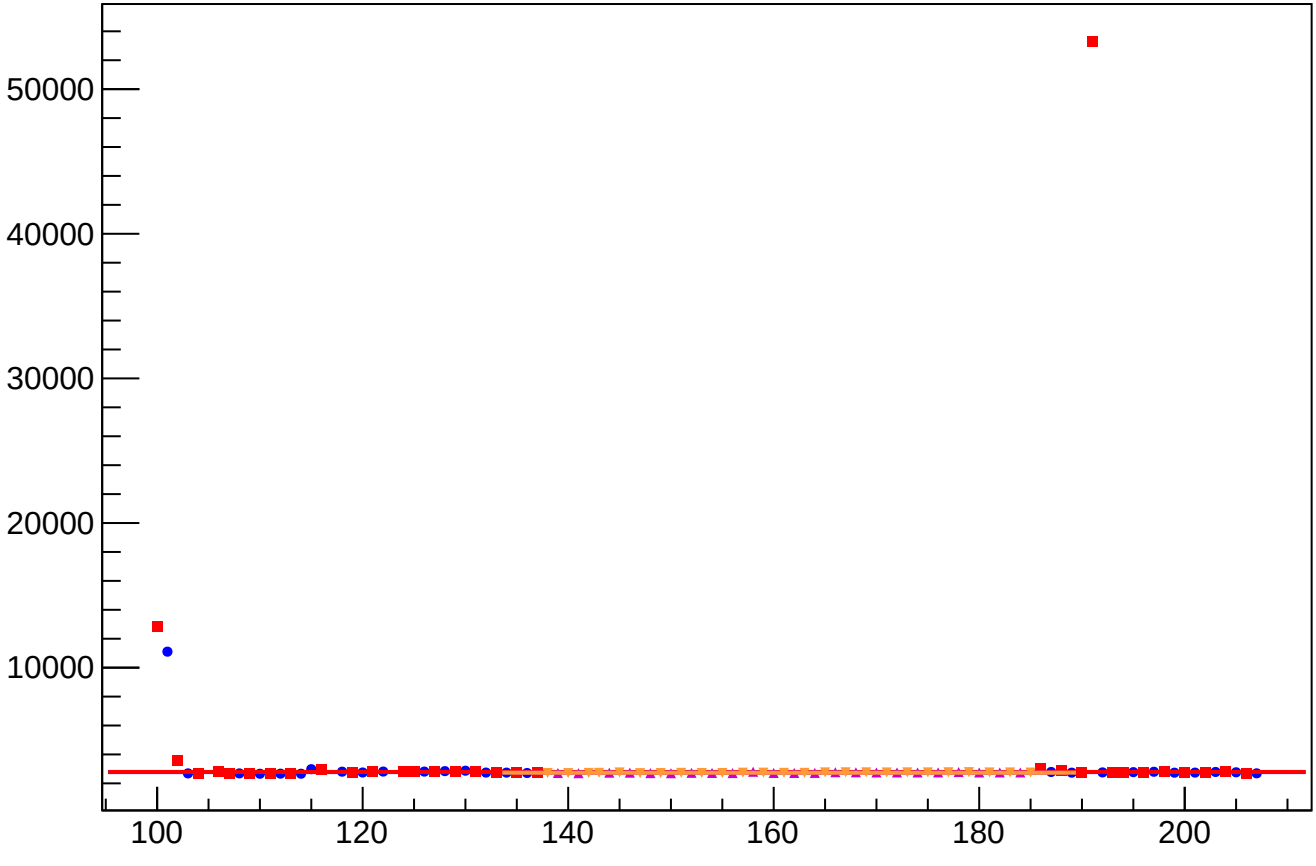
Right: 2435.955+/-503.438 χ^2/NDF: 42.2/56

In: 2300.861+/-480.259 χ^2/NDF:55.2/48

Out: 2615.070+/-464.258 χ^2/NDF:49.7/55

All: 2463.287+/-333.793 χ^2/NDF: 105.1/104

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.049+/-0.514 χ^2/NDF: 750431.0/25

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

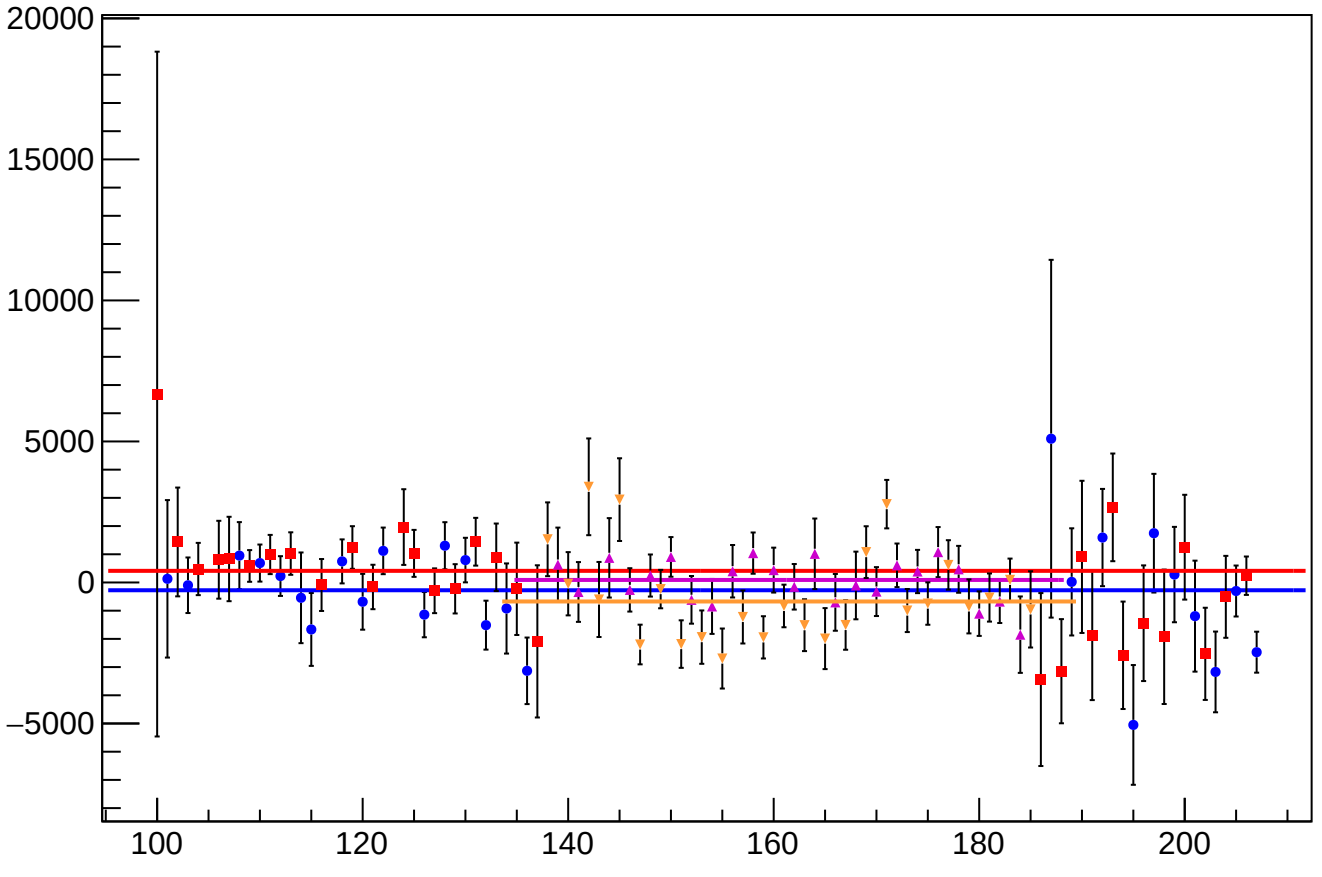
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2784.527+/-0.356 χ^2/NDF: 1231851.0/56

In: 2756.964+/-0.340 χ^2/NDF:757067.8/48

Out: 2760.558+/-0.328 χ^2/NDF:489722.7/55

All: 2758.822+/-0.236 χ^2/NDF: 1246848.5/10



Right In: -275.934+/-205.635 χ^2/NDF: 45.8/25

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

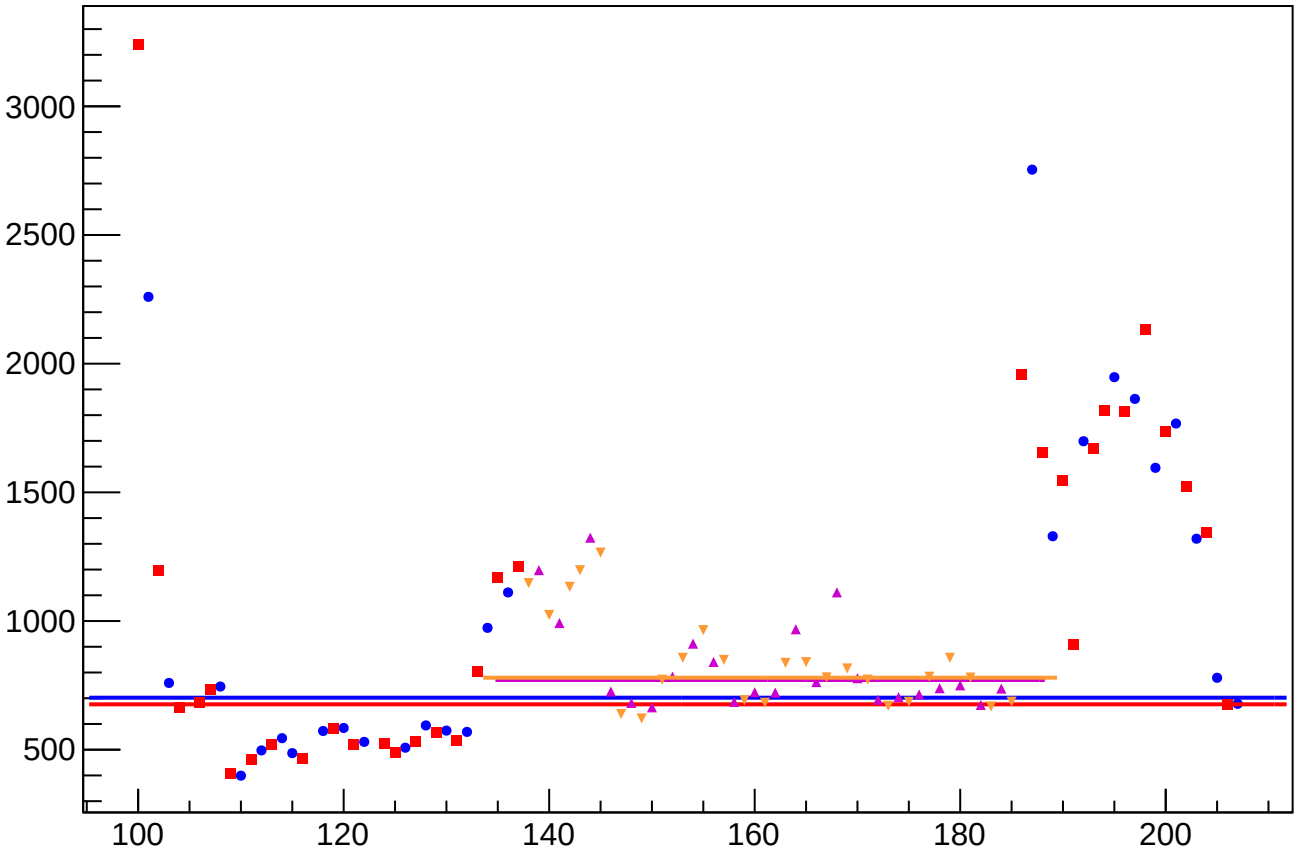
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 87.312+/-141.295 χ^2/NDF: 77.7/56

In: -72.409+/-136.910 χ^2/NDF:62.3/48

Out: -168.934+/-132.584 χ^2/NDF:101.0/55

All: -122.221+/-95.244 χ^2/NDF: 163.6/104



Right In: 702.089+/-0.145 χ^2/NDF: 5945823.0/25

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

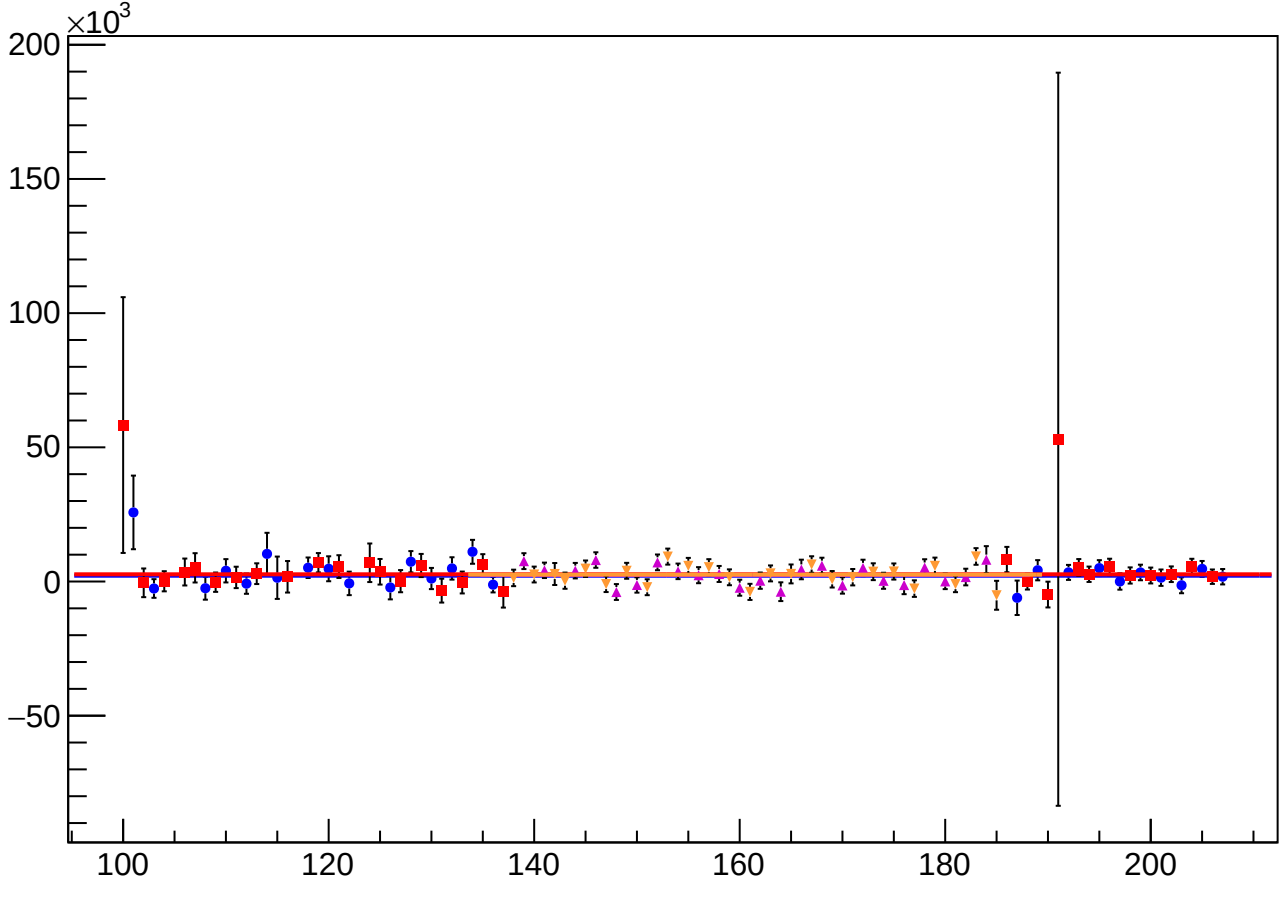
Right: 688.482+/-0.100 χ^2/NDF: 13083421.7/56

In: 740.341+/-0.097 χ^2/NDF:7146423.4/48

Out: 731.653+/-0.094 χ^2/NDF:8667385.1/55

All: 735.858+/-0.067 χ^2/NDF: 15817965.2/10

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2161.905+/-726.987 χ^2/NDF: 23.8/25

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

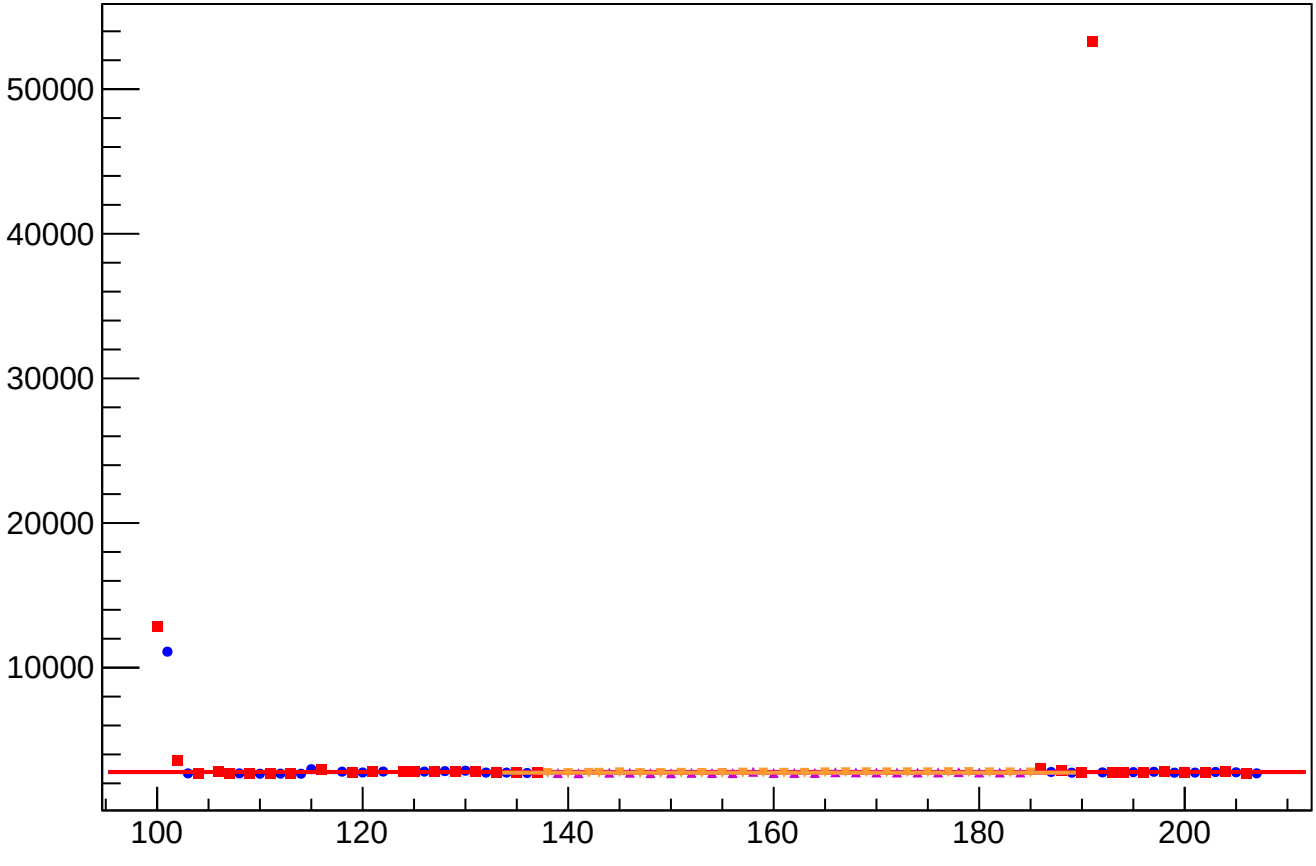
Right: 2435.955+/-503.438 χ^2/NDF: 42.2/56

In: 2300.861+/-480.259 χ^2/NDF:55.2/48

Out: 2615.070+/-464.258 χ^2/NDF:49.7/55

All: 2463.287+/-333.793 χ^2/NDF: 105.1/104

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2779.049+/-0.514 χ^2/NDF: 750431.0/25

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

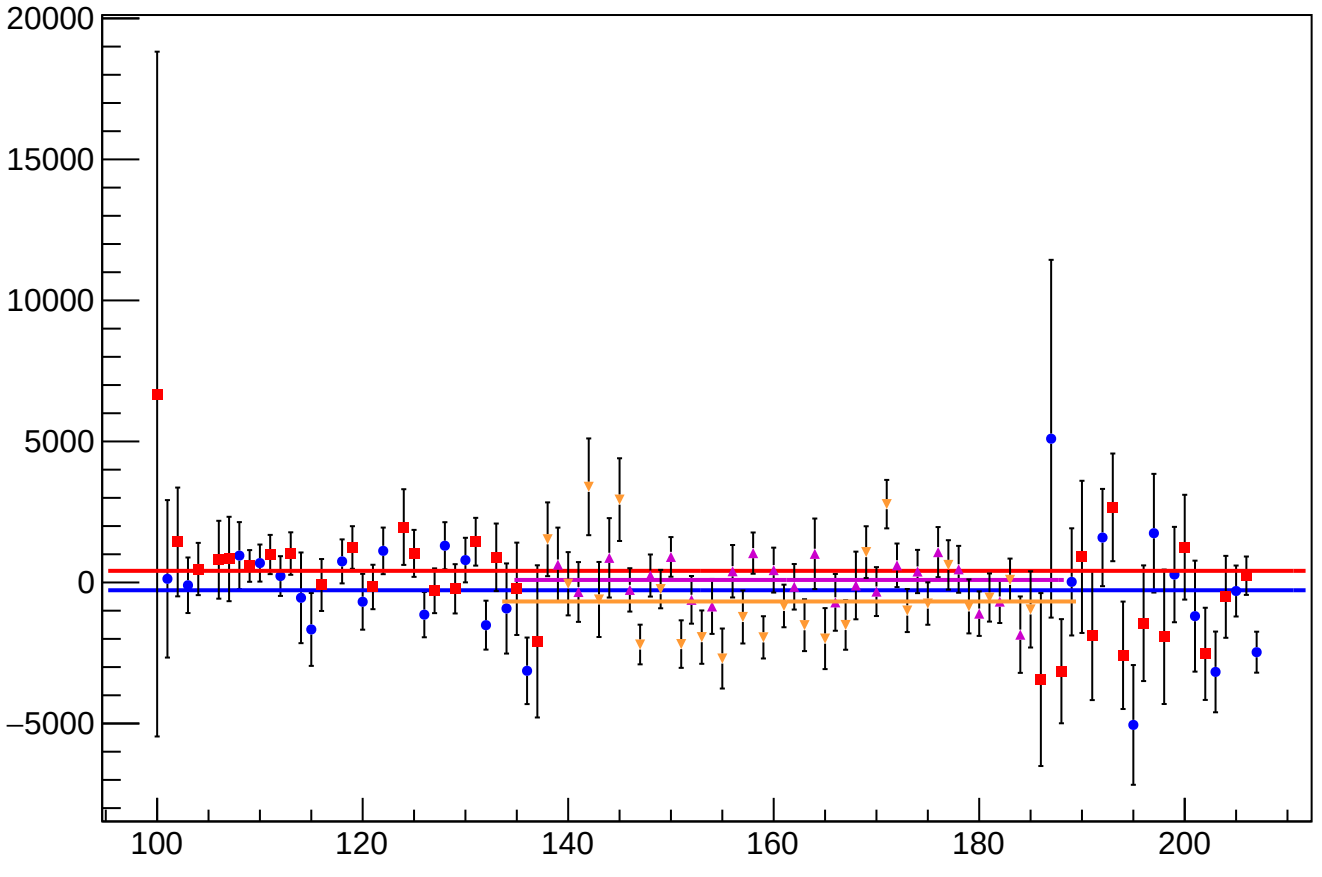
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2784.527+/-0.356 χ^2/NDF: 1231851.0/56

In: 2756.964+/-0.340 χ^2/NDF:757067.8/48

Out: 2760.558+/-0.328 χ^2/NDF:489722.7/55

All: 2758.822+/-0.236 χ^2/NDF: 1246848.5/10



Right In: -275.934+/-205.635 χ^2/NDF: 45.8/25

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

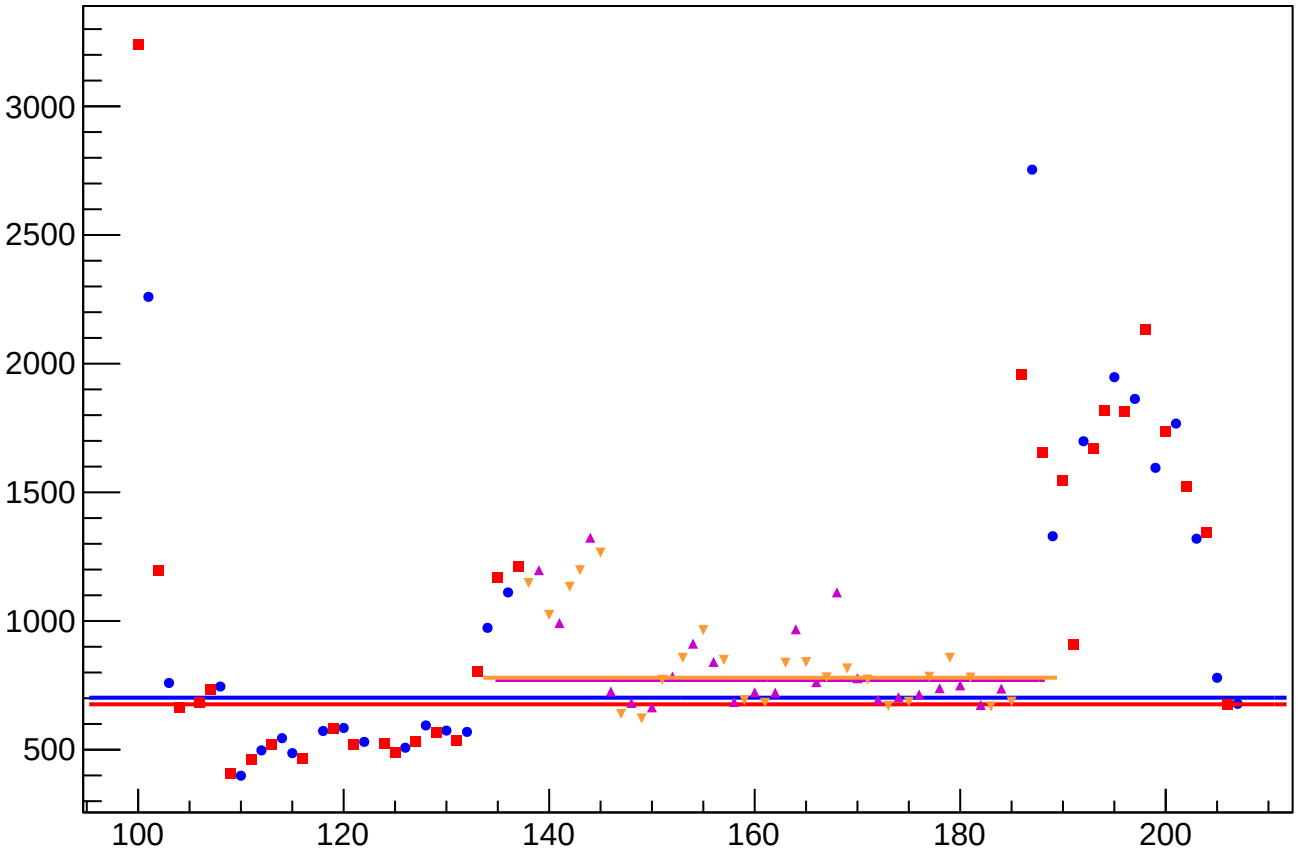
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 87.312+/-141.295 χ^2/NDF: 77.7/56

In: -72.409+/-136.910 χ^2/NDF:62.3/48

Out: -168.934+/-132.584 χ^2/NDF:101.0/55

All: -122.221+/-95.244 χ^2/NDF: 163.6/104



Right In: 702.089+/-0.145 χ^2/NDF: 5945823.0/25

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

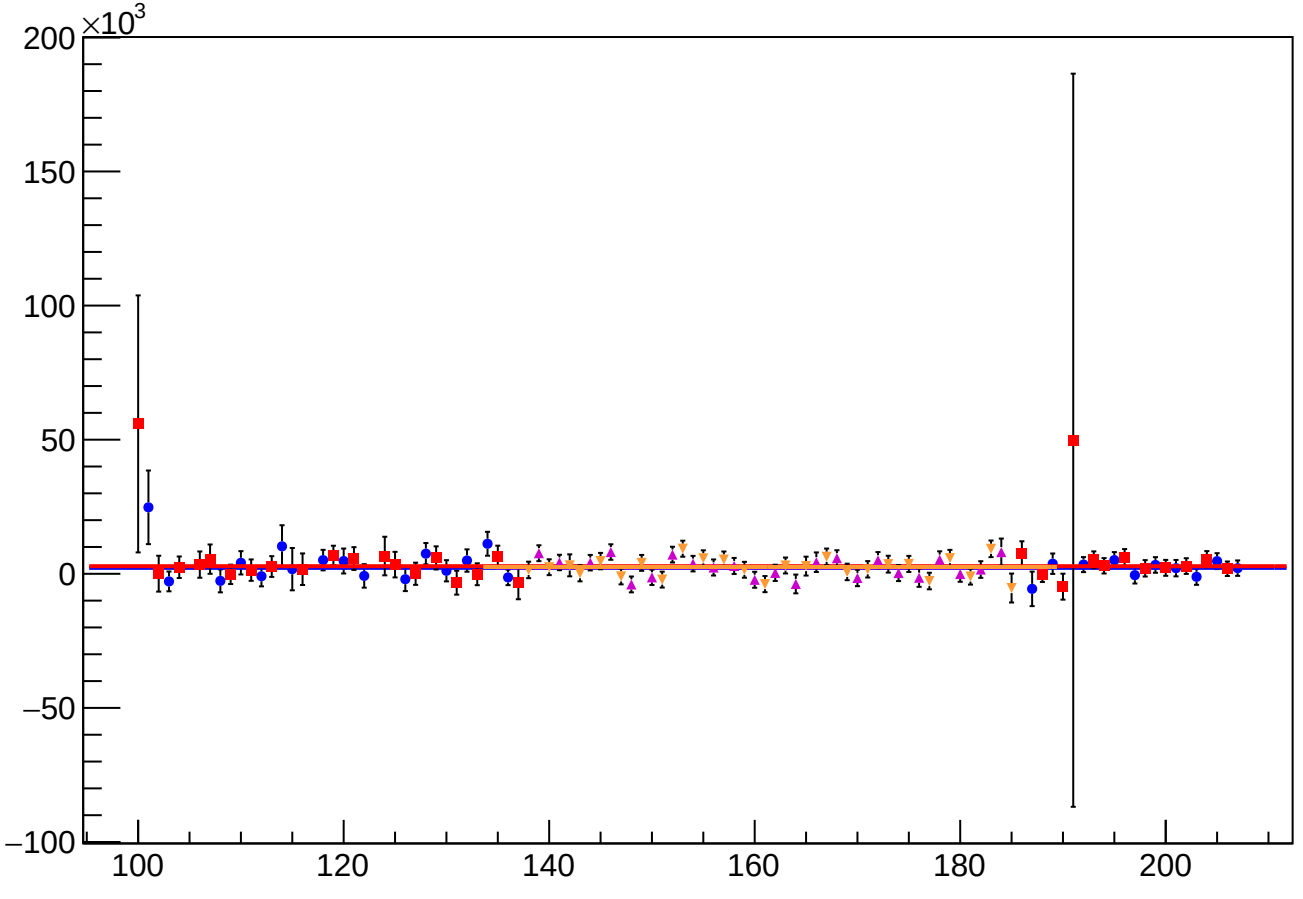
Right: 688.482+/-0.100 χ^2/NDF: 13083421.7/56

In: 740.341+/-0.097 χ^2/NDF:7146423.4/48

Out: 731.653+/-0.094 χ^2/NDF:8667385.1/55

All: 735.858+/-0.067 χ^2/NDF: 15817965.2/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2220.178+/-731.220 χ^2/NDF: 23.5/25

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

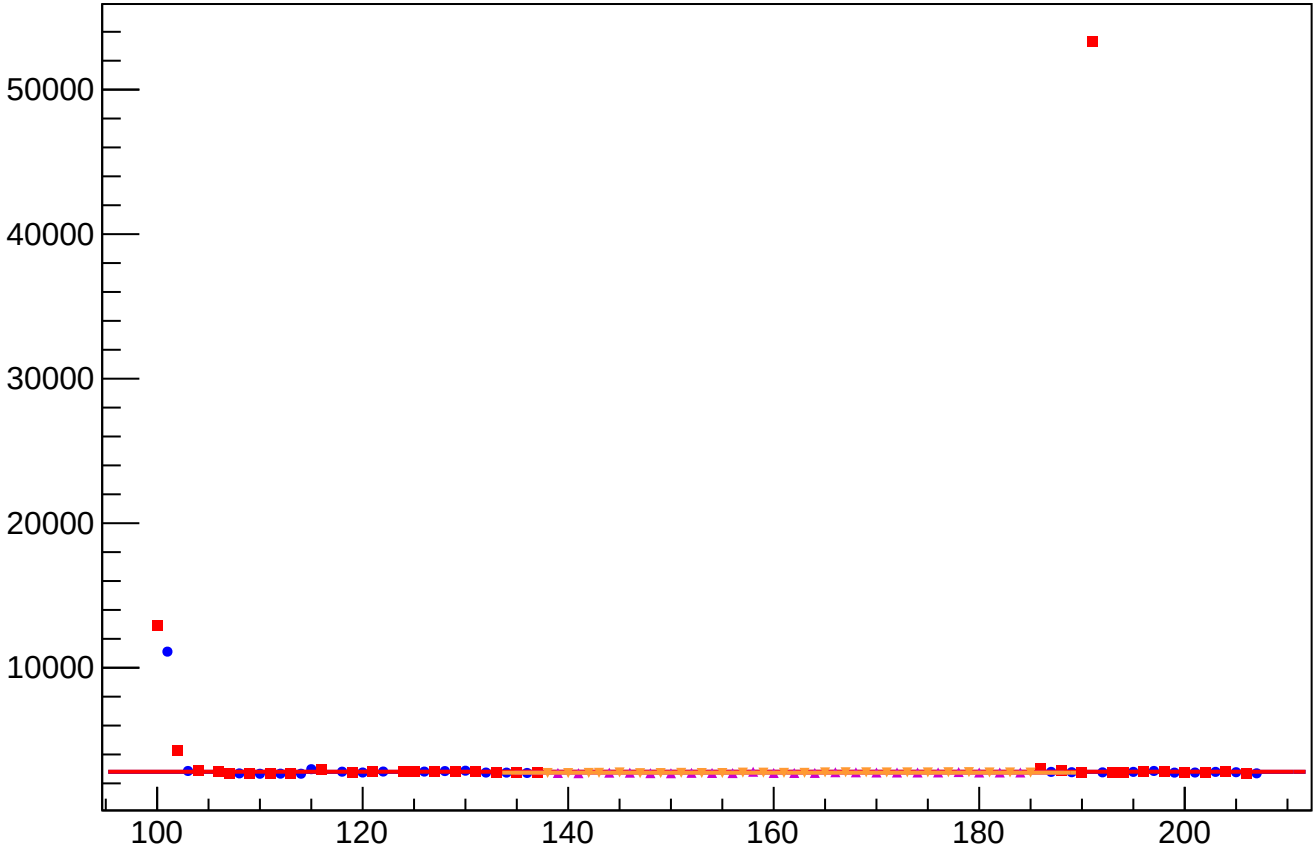
Right: 2538.891+/-507.014 χ^2/NDF: 41.1/56

In: 2325.870+/-481.626 χ^2/NDF:55.4/48

Out: 2671.852+/-466.119 χ^2/NDF:49.2/55

All: 2504.520+/-334.944 χ^2/NDF: 104.8/104

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2795.055+/-0.517 χ^2/NDF: 750079.0/25

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

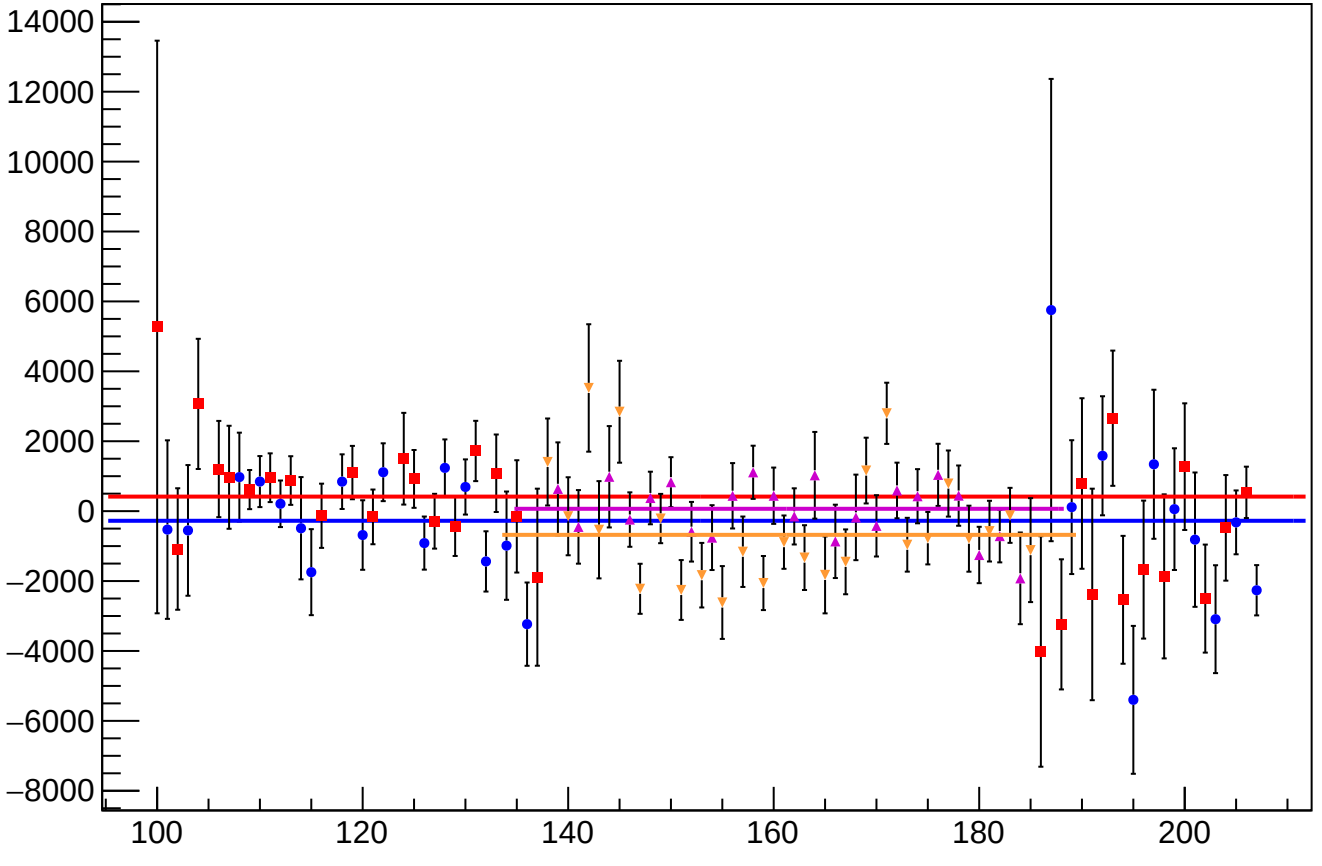
Right: 2800.994+/-0.359 χ^2/NDF: 1285080.8/56

In: 2764.672+/-0.341 χ^2/NDF:759547.6/48

Out: 2768.790+/-0.330 χ^2/NDF:547303.6/55

All: 2766.798+/-0.237 χ^2/NDF: 1306926.6/10

asym_atr1_dit_correction_mean vs Slug, Sign Corrected



Right In: -275.817+/-208.646 χ^2/NDF: 43.8/25

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

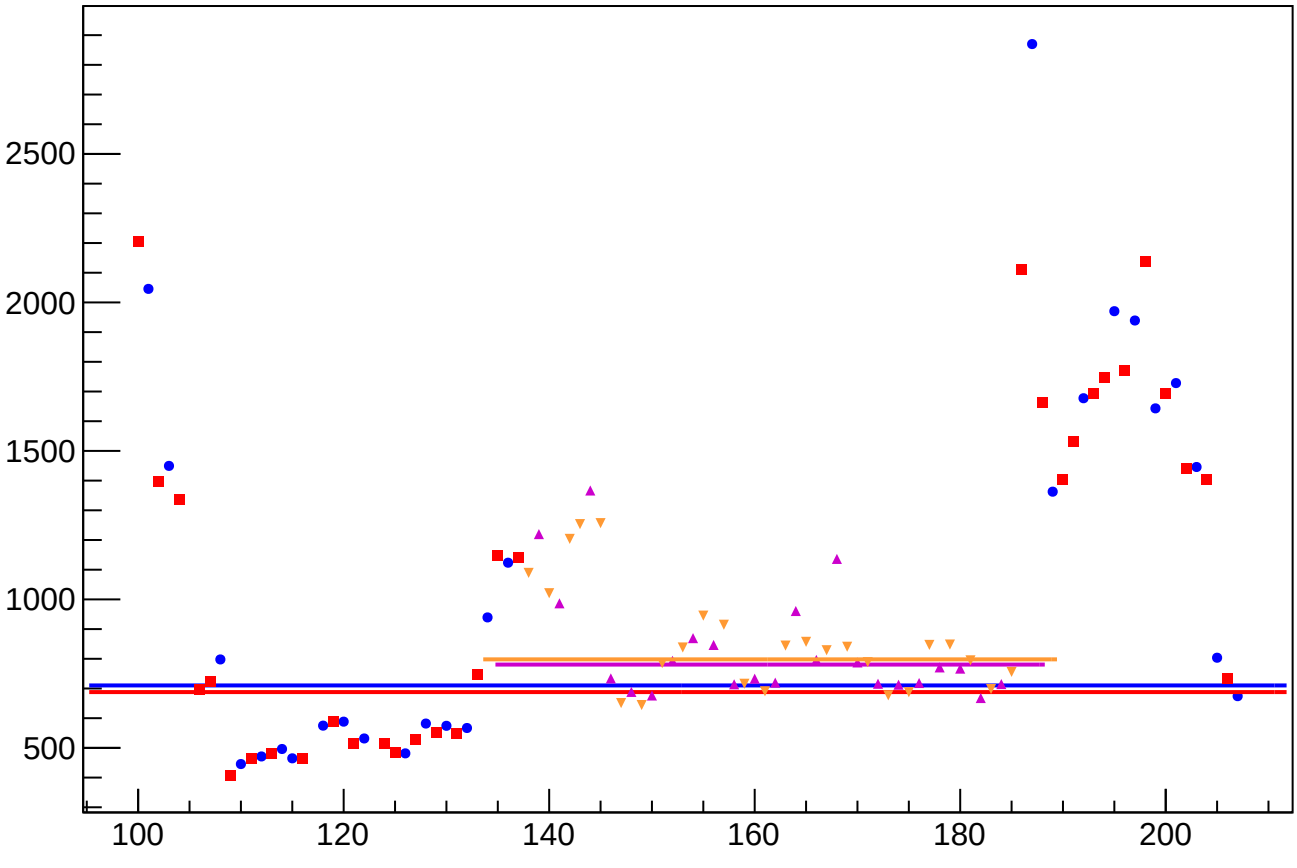
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 90.788+/-143.053 χ^2/NDF: 79.3/56

In: -84.200+/-138.605 χ^2/NDF:61.2/48

Out: -164.095+/-134.703 χ^2/NDF:102.3/55

All: -125.288+/-96.600 χ^2/NDF: 163.6/104



Right In: 710.283+/-0.148 χ^2/NDF: 6405778.1/25

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 687.894+/-0.139 χ^2/NDF: 7724029.5/30

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

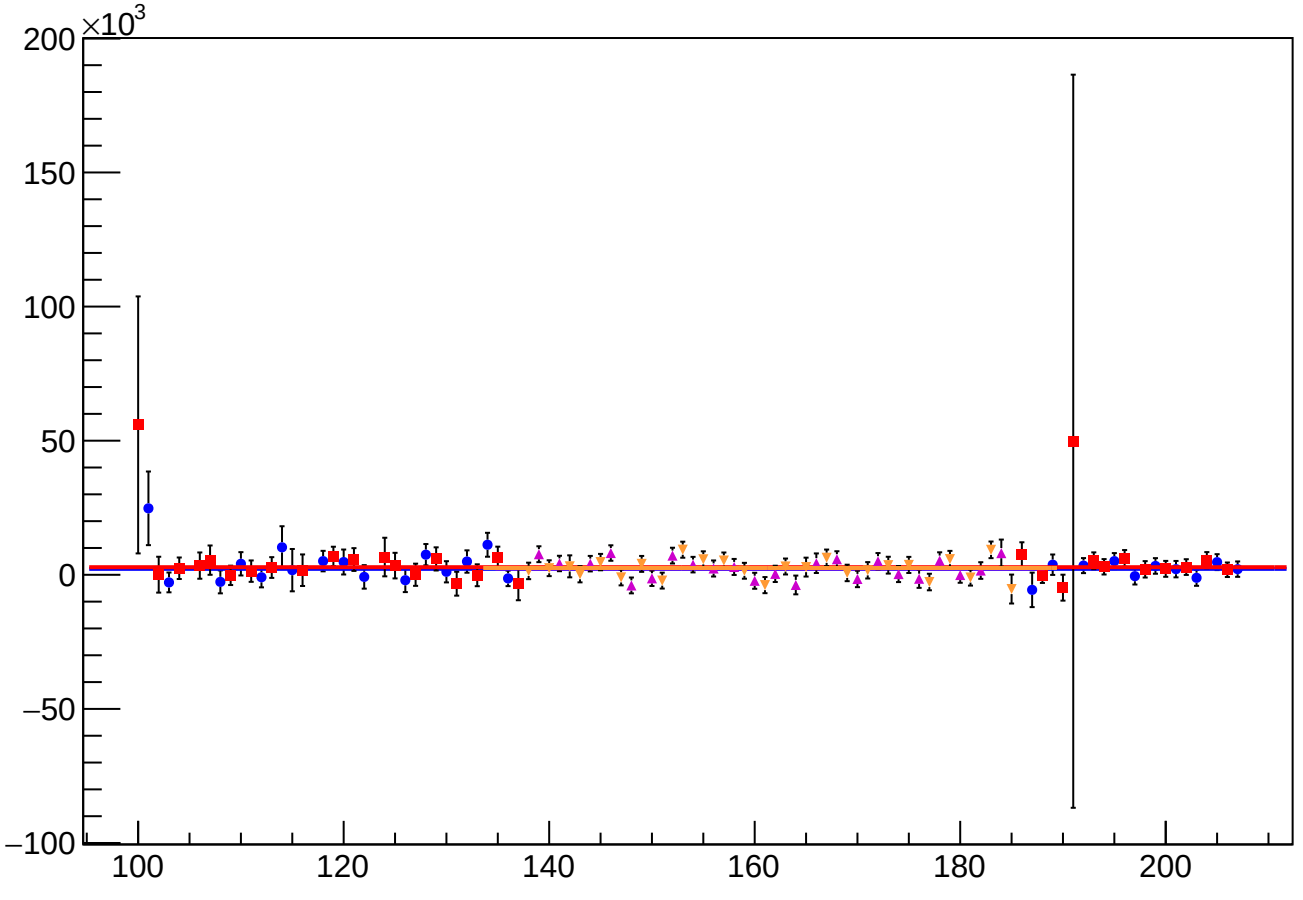
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 698.419+/-0.101 χ^2/NDF: 14142012.0/56

In: 749.527+/-0.098 χ^2/NDF:7597247.3/48

Out: 746.314+/-0.095 χ^2/NDF:9225791.9/55

All: 747.875+/-0.068 χ^2/NDF: 16823591.9/10



Right In: 2220.178+/-731.220 χ^2/NDF: 23.5/25

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

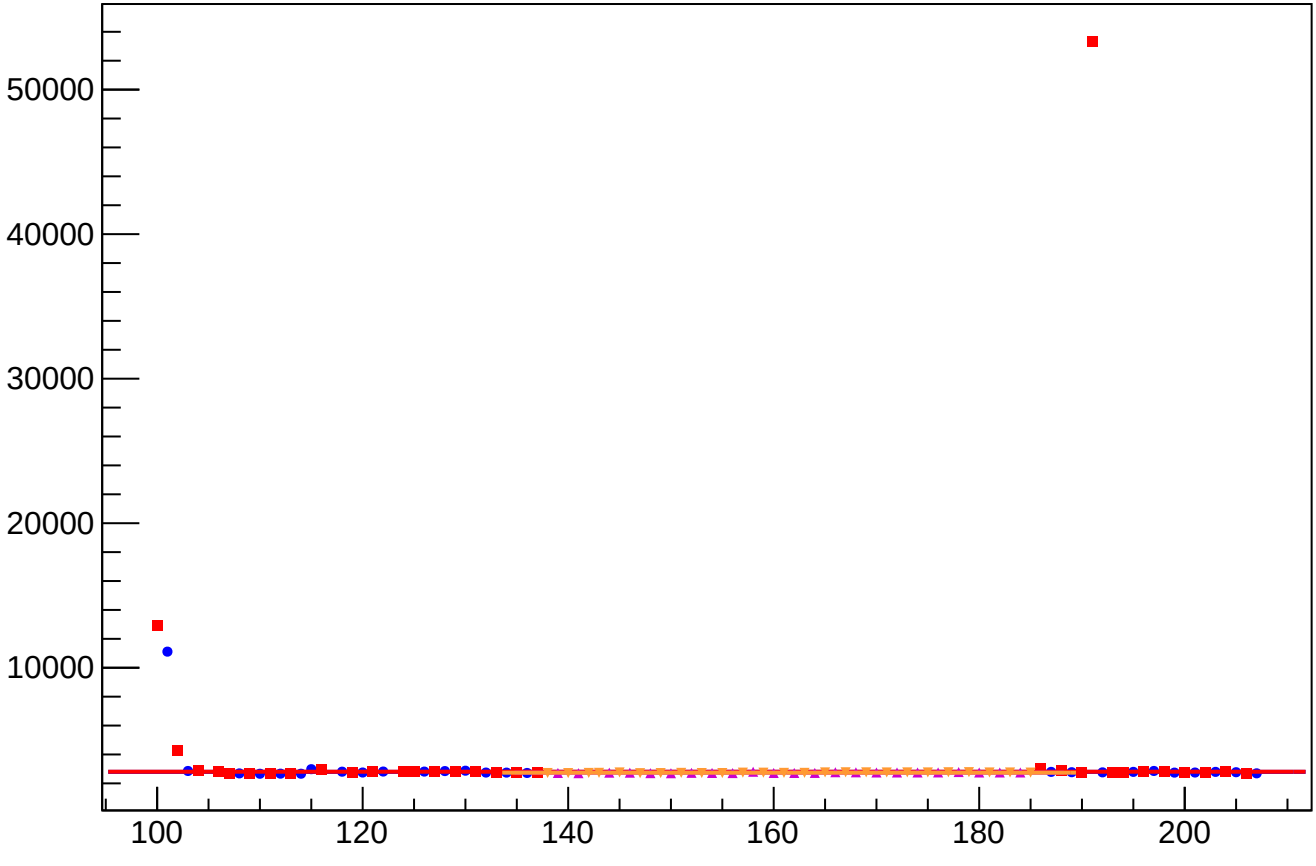
Right: 2538.890+/-507.014 χ^2/NDF: 41.1/56

In: 2325.870+/-481.626 χ^2/NDF:55.4/48

Out: 2671.851+/-466.119 χ^2/NDF:49.2/55

All: 2504.520+/-334.944 χ^2/NDF: 104.8/104

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2795.055+/-0.517 χ^2/NDF: 750079.0/25

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

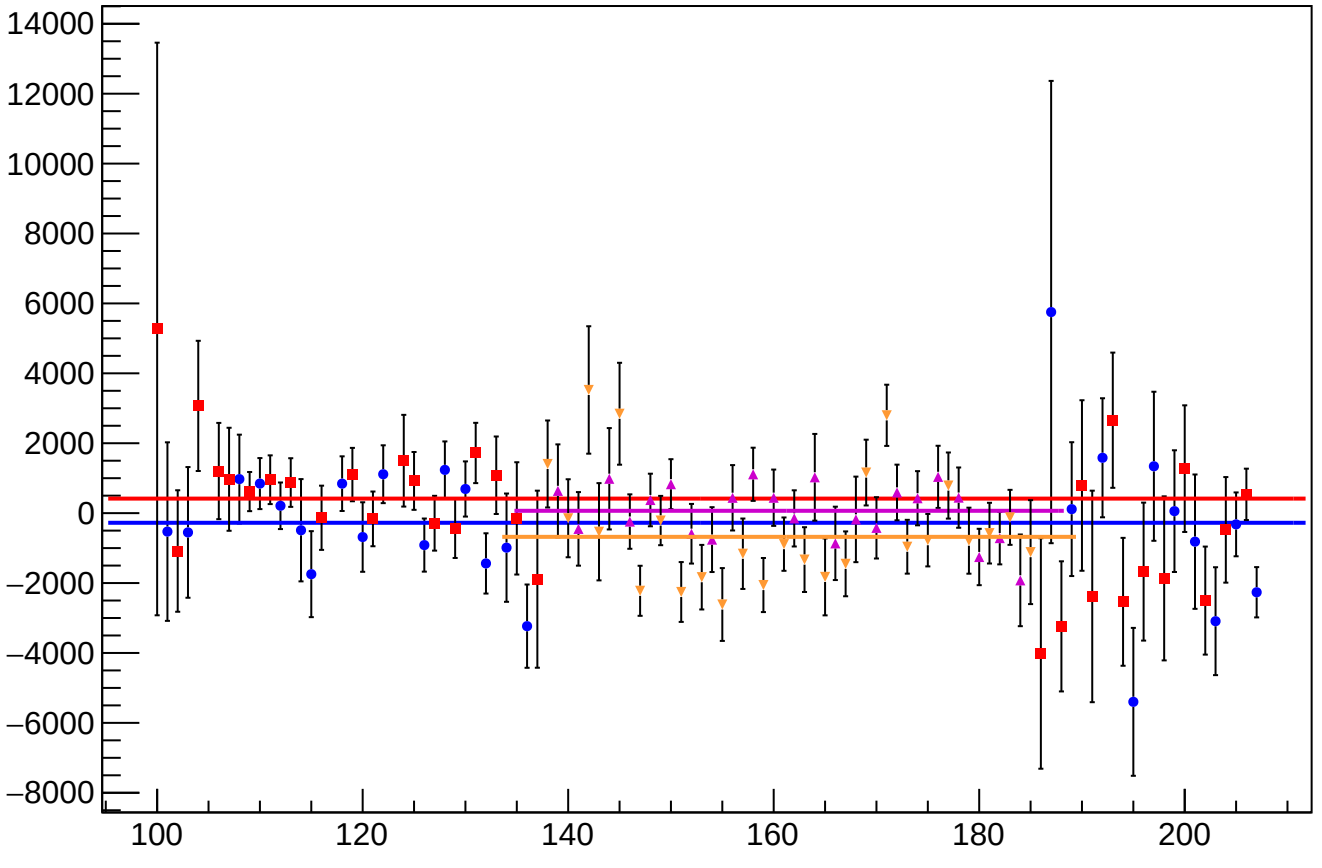
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2800.994+/-0.359 χ^2/NDF: 1285080.6/56

In: 2764.672+/-0.341 χ^2/NDF:759547.5/48

Out: 2768.789+/-0.330 χ^2/NDF:547303.4/55

All: 2766.798+/-0.237 χ^2/NDF: 1306926.3/10



Right In: -275.817+/-208.646 χ^2/NDF: 43.8/25

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

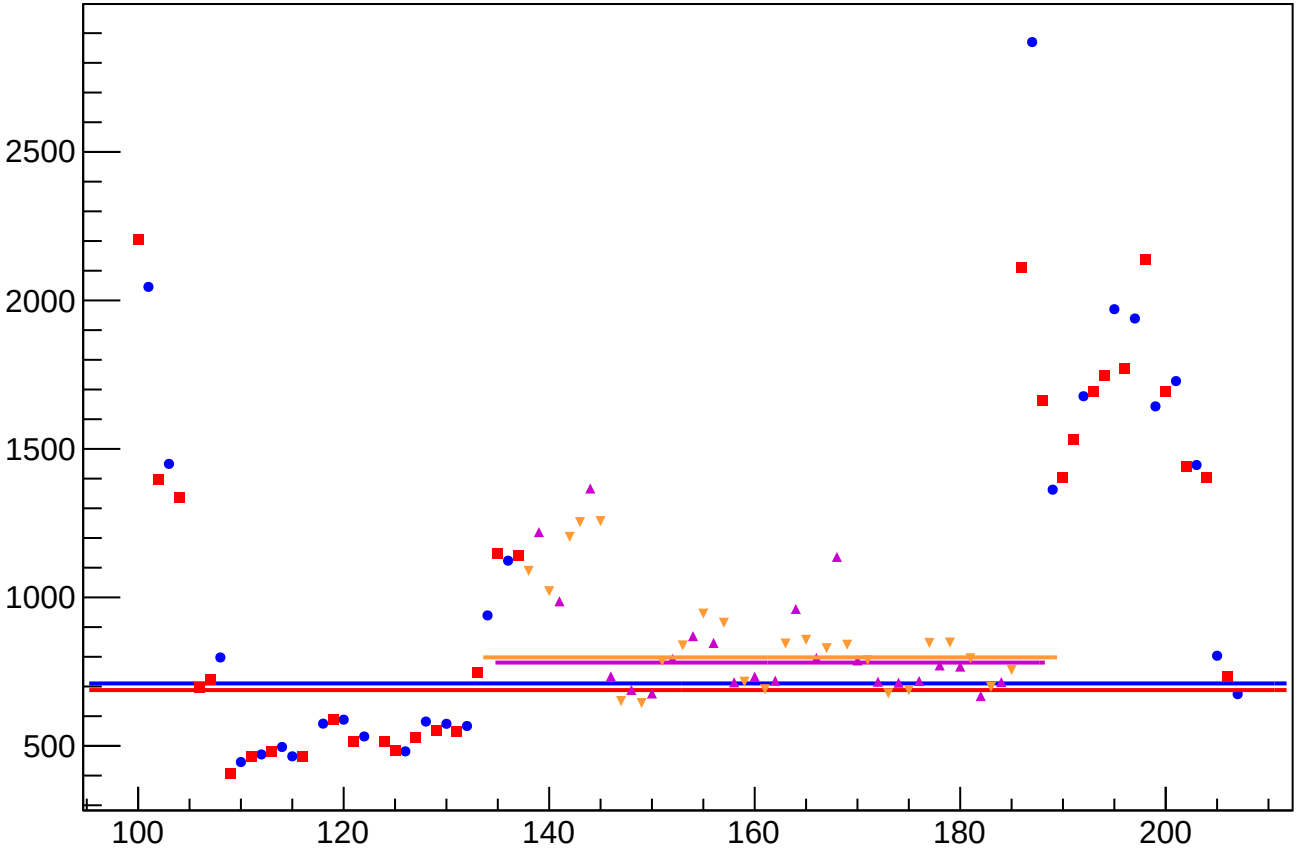
Right: 90.788+/-143.053 χ^2/NDF: 79.3/56

In: -84.200+/-138.605 χ^2/NDF:61.2/48

Out: -164.095+/-134.703 χ^2/NDF:102.3/55

All: -125.288+/-96.600 χ^2/NDF: 163.6/104

asym_atr1_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 710.284+/-0.148 χ^2/NDF: 6405775.2/25

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

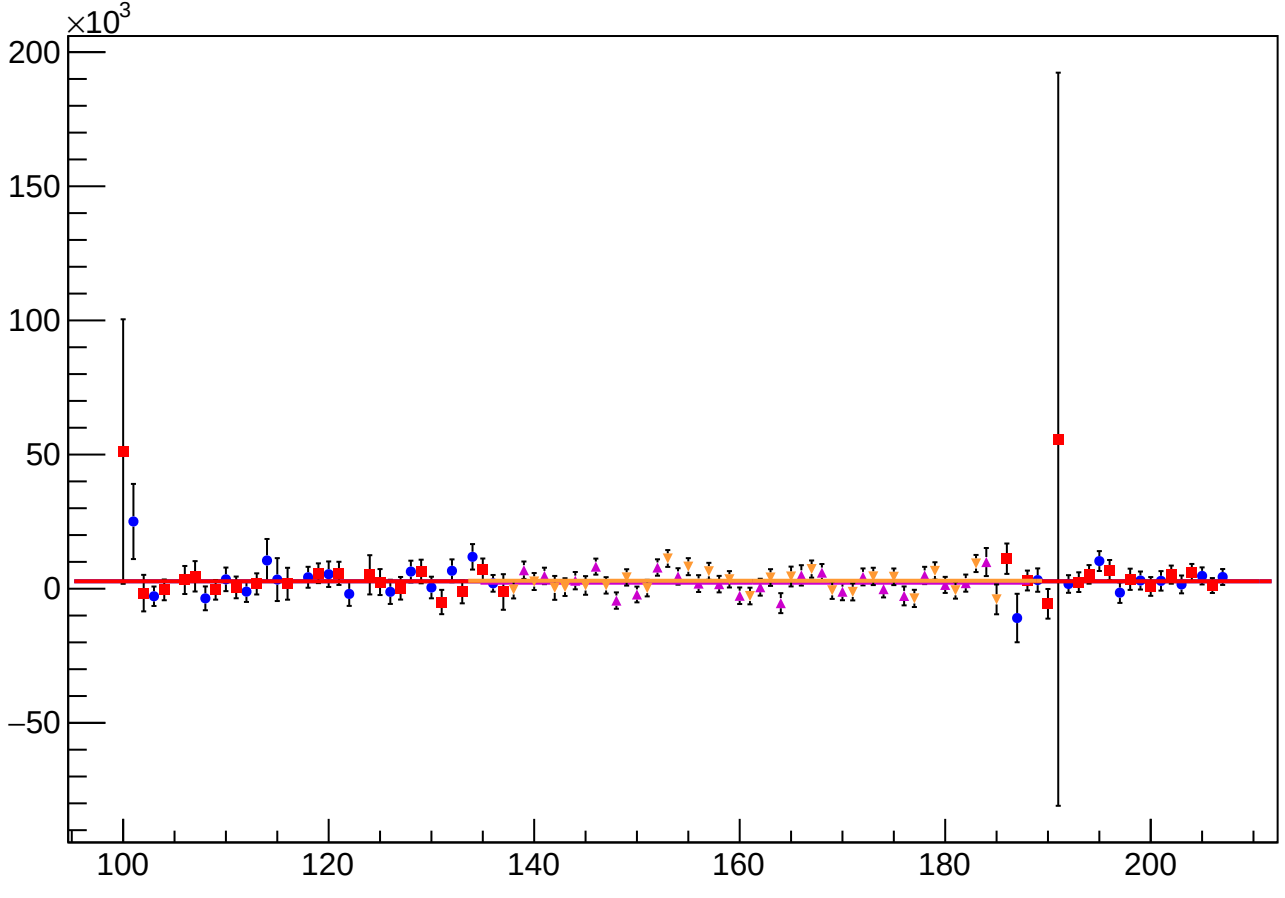
Right: 698.419+/-0.101 χ^2/NDF: 14142013.4/56

In: 749.527+/-0.098 χ^2/NDF:7597245.1/48

Out: 746.314+/-0.095 χ^2/NDF:9225796.9/55

All: 747.875+/-0.068 χ^2/NDF: 16823594.7/10

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2771.197+/-794.727 χ^2/NDF: 25.6/25

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

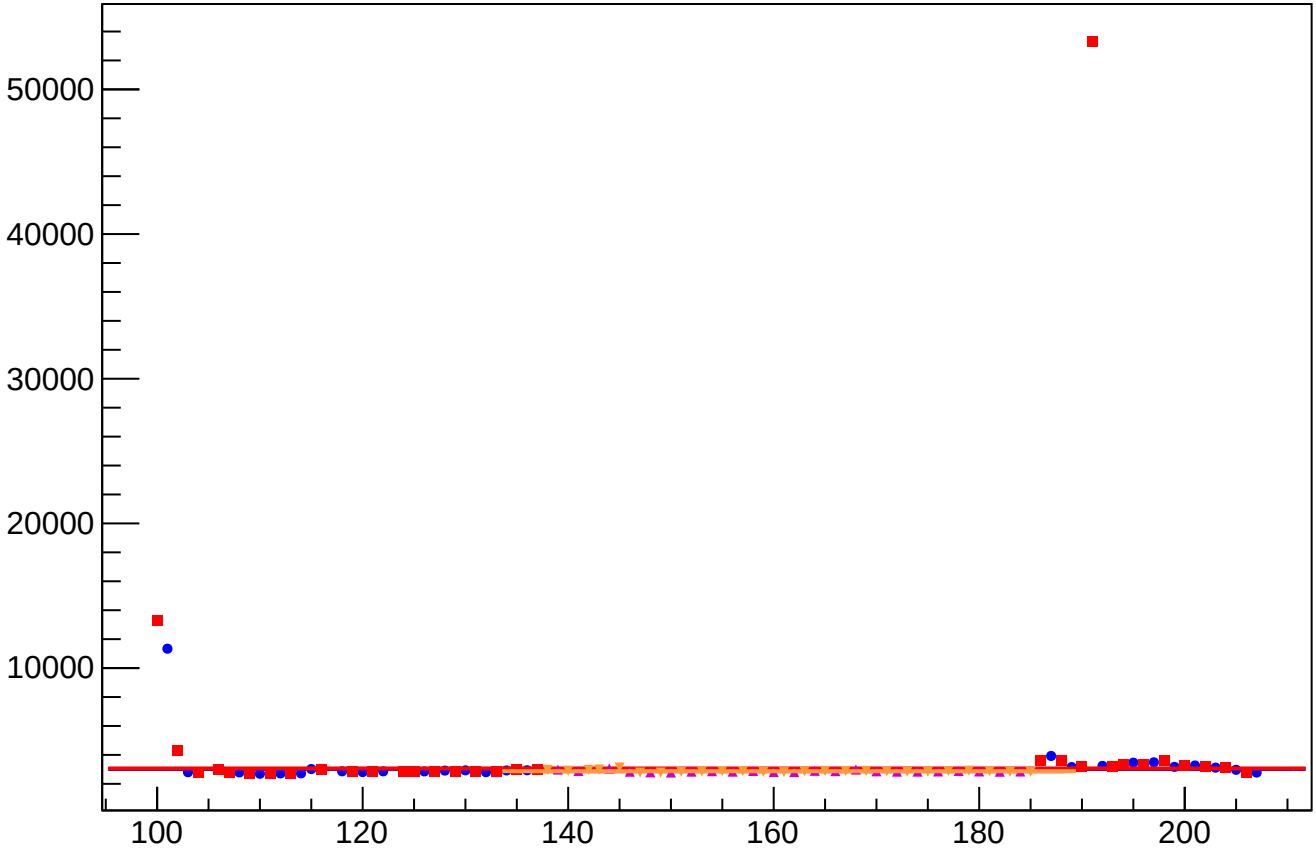
Right: 2771.474+/-553.332 χ^2/NDF: 44.9/56

In: 2459.353+/-512.397 χ^2/NDF:59.6/48

Out: 2886.740+/-498.389 χ^2/NDF:55.1/55

All: 2678.968+/-357.264 χ^2/NDF: 115.1/104

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3028.506+/-0.562 χ^2/NDF: 883359.4/25

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

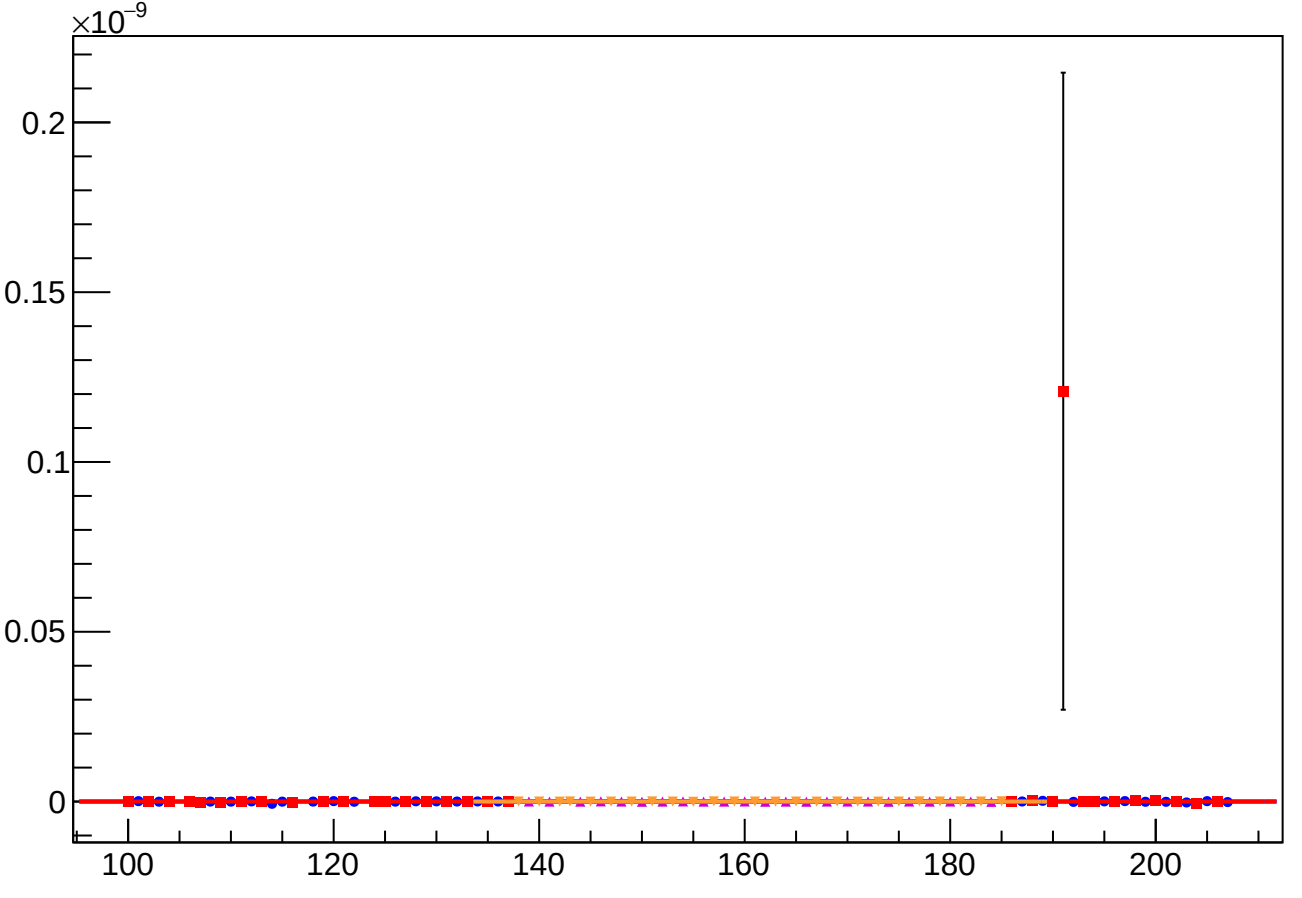
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3044.689+/-0.391 χ^2/NDF: 1618768.2/56

In: 2935.980+/-0.362 χ^2/NDF:947443.7/48

Out: 2952.254+/-0.352 χ^2/NDF:822614.8/55

All: 2944.342+/-0.253 χ^2/NDF: 1771095.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/25

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

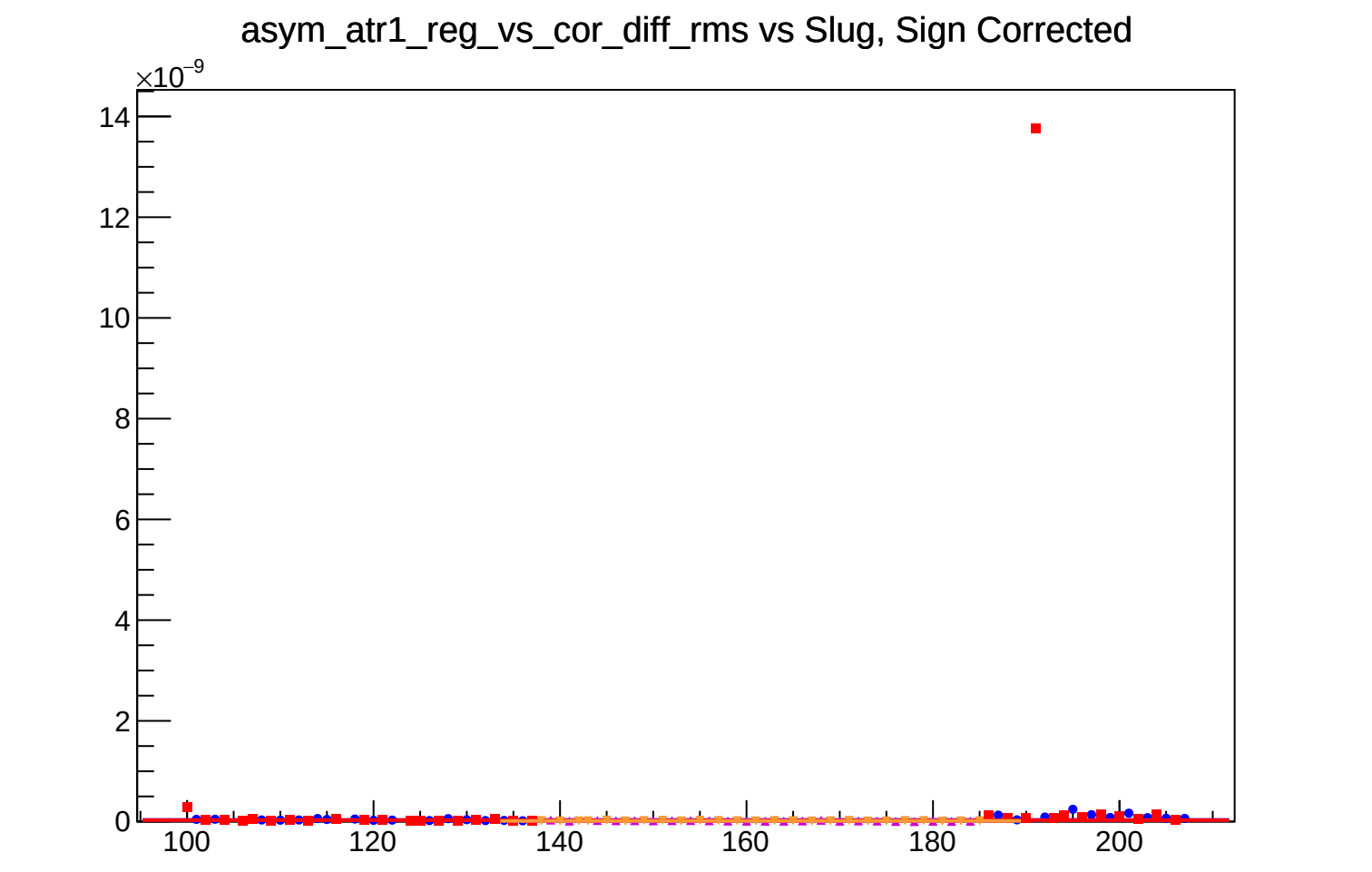
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

Right: 0.000+/-0.000 χ^2/NDF: 62.1/56

In: -0.000+/-0.000 χ^2/NDF:51.7/48

Out: 0.000+/-0.000 χ^2/NDF:55.0/55

All: -0.000+/-0.000 χ^2/NDF: 107.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 3840730.5/25

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

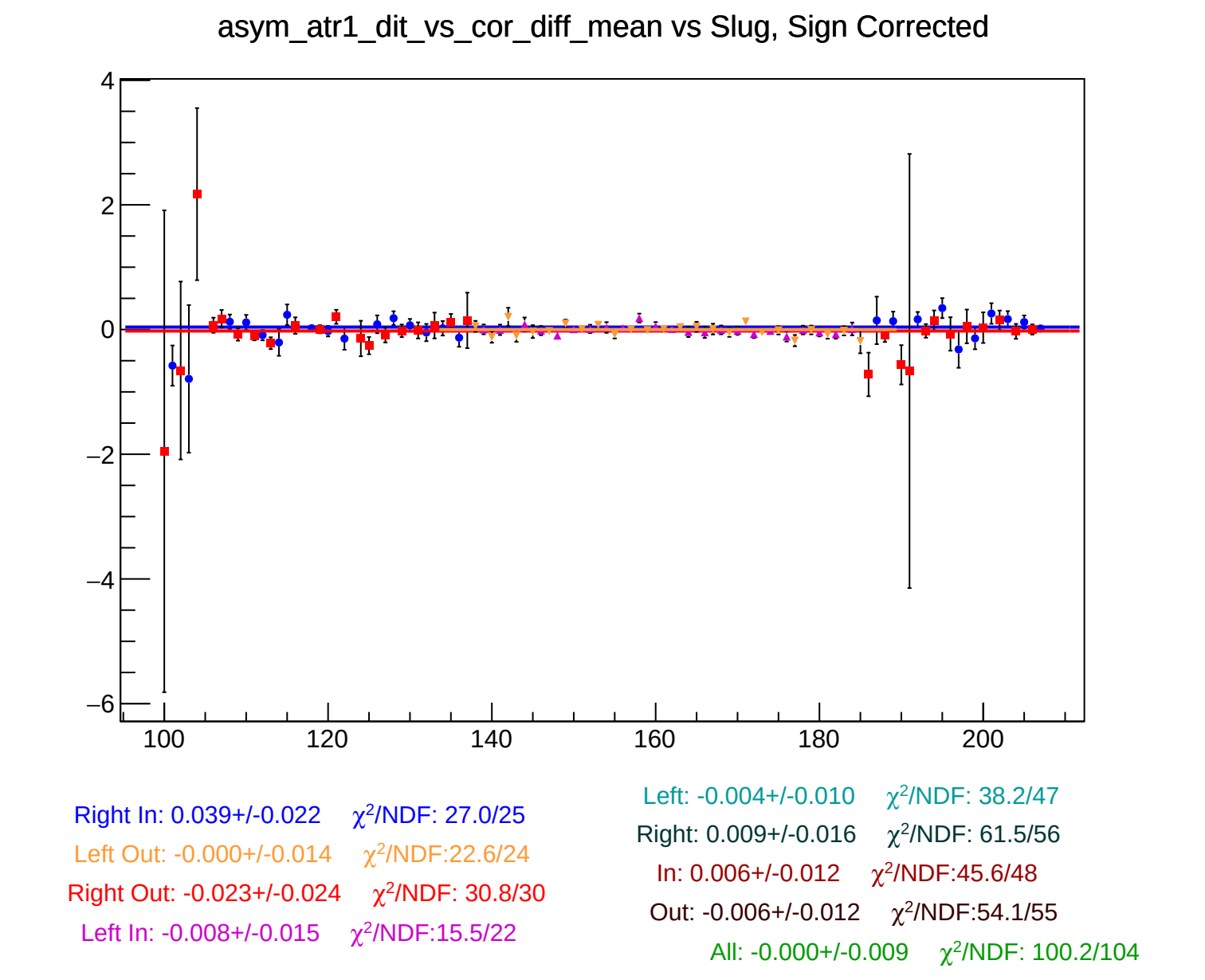
Left: 0.000+/-0.000 χ^2/NDF: 4622592.8/47

Right: 0.000+/-0.000 χ^2/NDF: 7391548.0/56

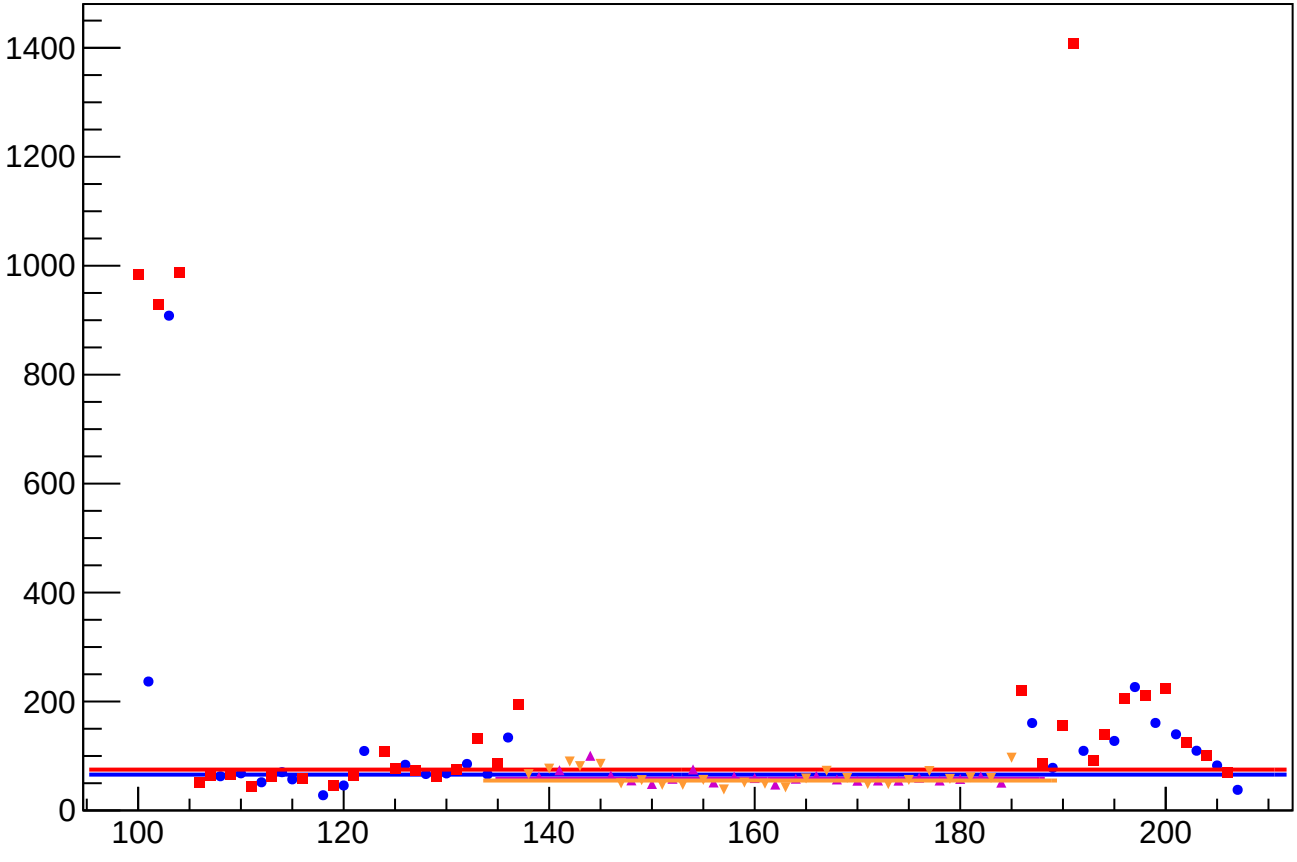
In: 0.000+/-0.000 χ^2/NDF:10004771.8/48

Out: 0.000+/-0.000 χ^2/NDF:6453867.5/55

All: 0.000+/-0.000 χ^2/NDF: 16714332.4/104


asym_atr1_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.039+/-0.022 χ²/NDF: 27.0/25
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+/-0.016 χ²/NDF: 61.5/56
In: 0.006+/-0.012 χ²/NDF:45.6/48
Out: -0.006+/-0.012 χ²/NDF:54.1/55
All: -0.000+/-0.009 χ²/NDF: 100.2/104

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.794+/-0.016 χ^2/NDF: 6474186.9/25

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

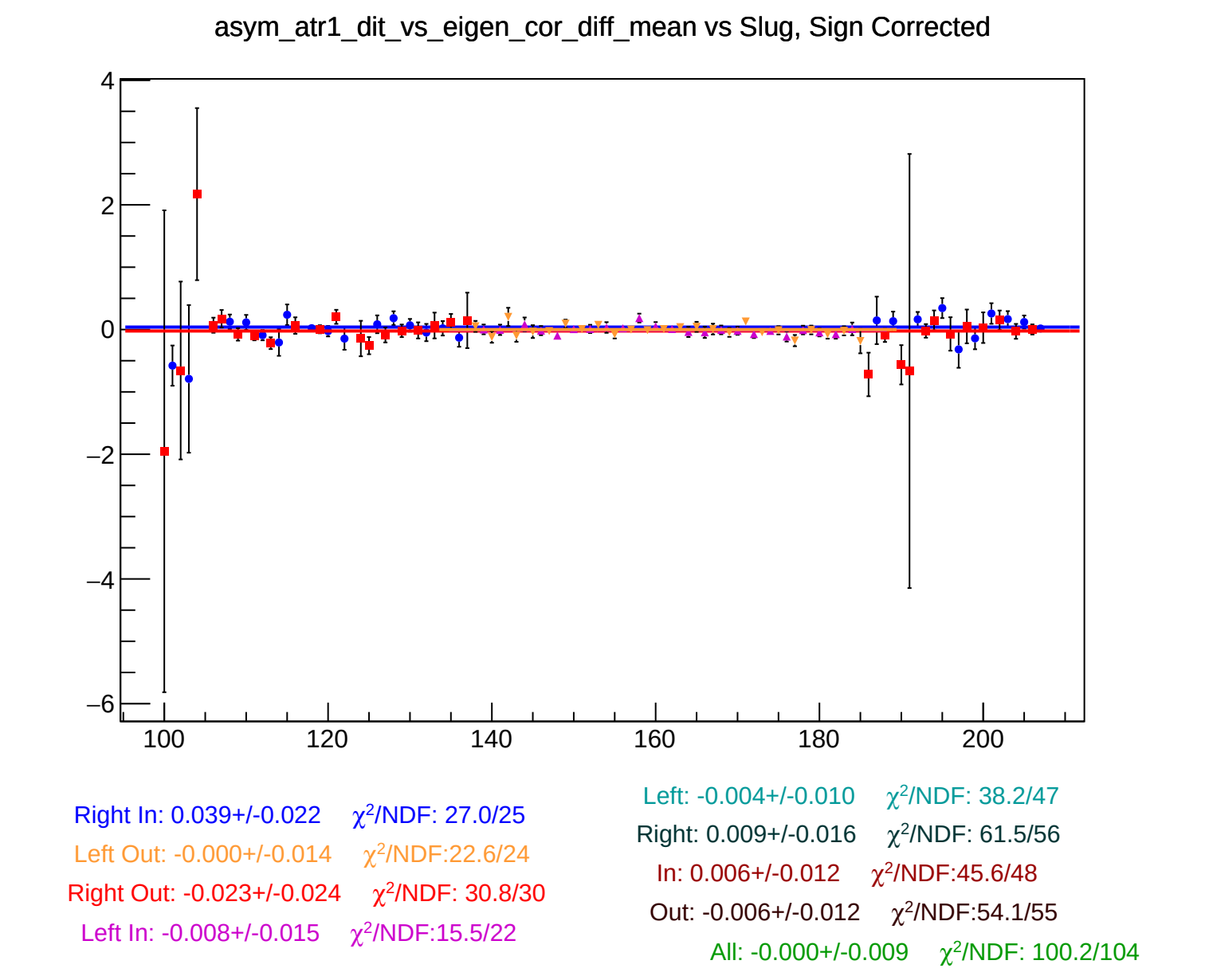
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 70.165+/-0.011 χ^2/NDF: 12871244.0/56

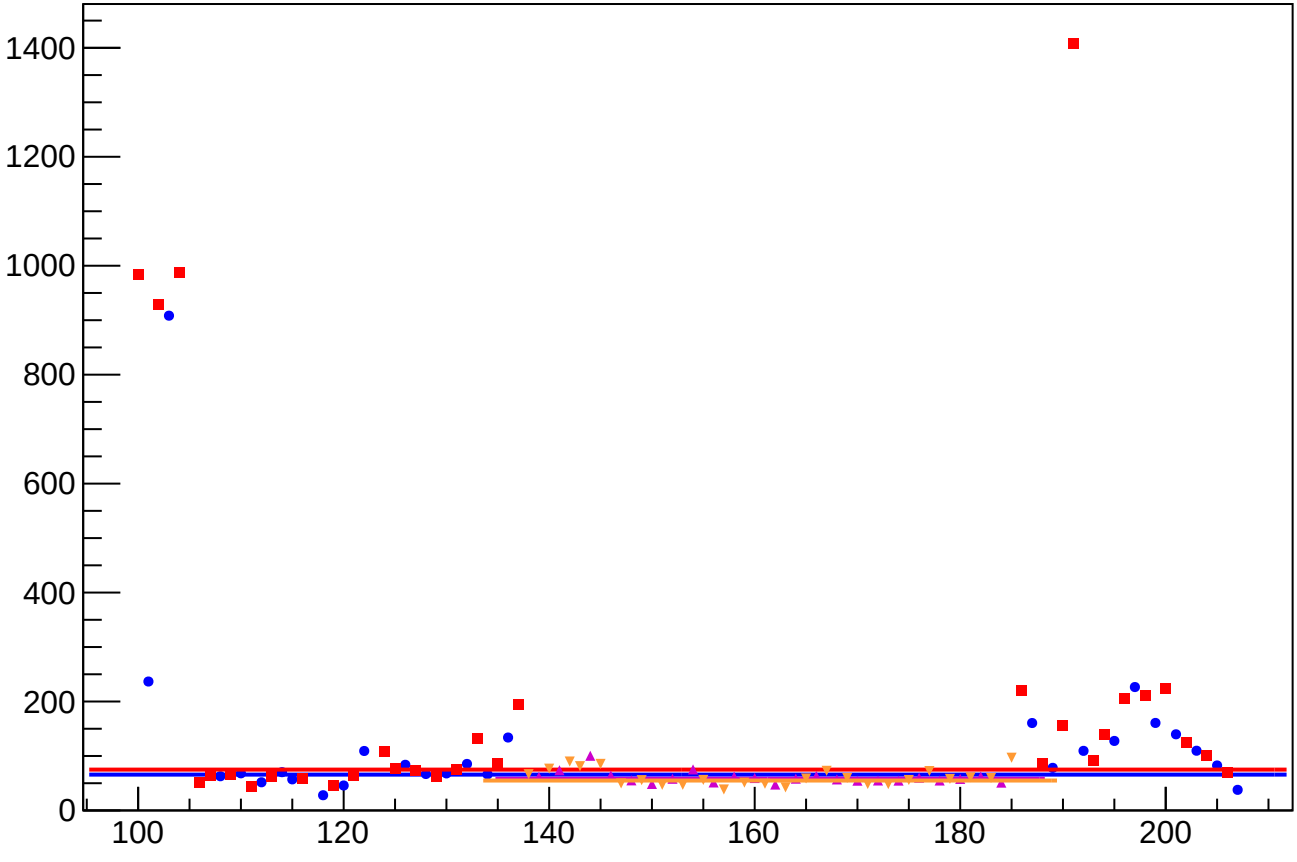
In: 60.478+/-0.009 χ^2/NDF:7294394.8/48

Out: 60.236+/-0.009 χ^2/NDF:8605529.0/55

All: 60.354+/-0.006 χ^2/NDF: 15900313.8/104


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: 0.039+/-0.022 χ²/NDF: 27.0/25
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+/-0.016 χ²/NDF: 61.5/56
In: 0.006+/-0.012 χ²/NDF:45.6/48
Out: -0.006+/-0.012 χ²/NDF:54.1/55
All: -0.000+/-0.009 χ²/NDF: 100.2/104

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.794+/-0.016 χ^2/NDF: 6474186.9/25

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

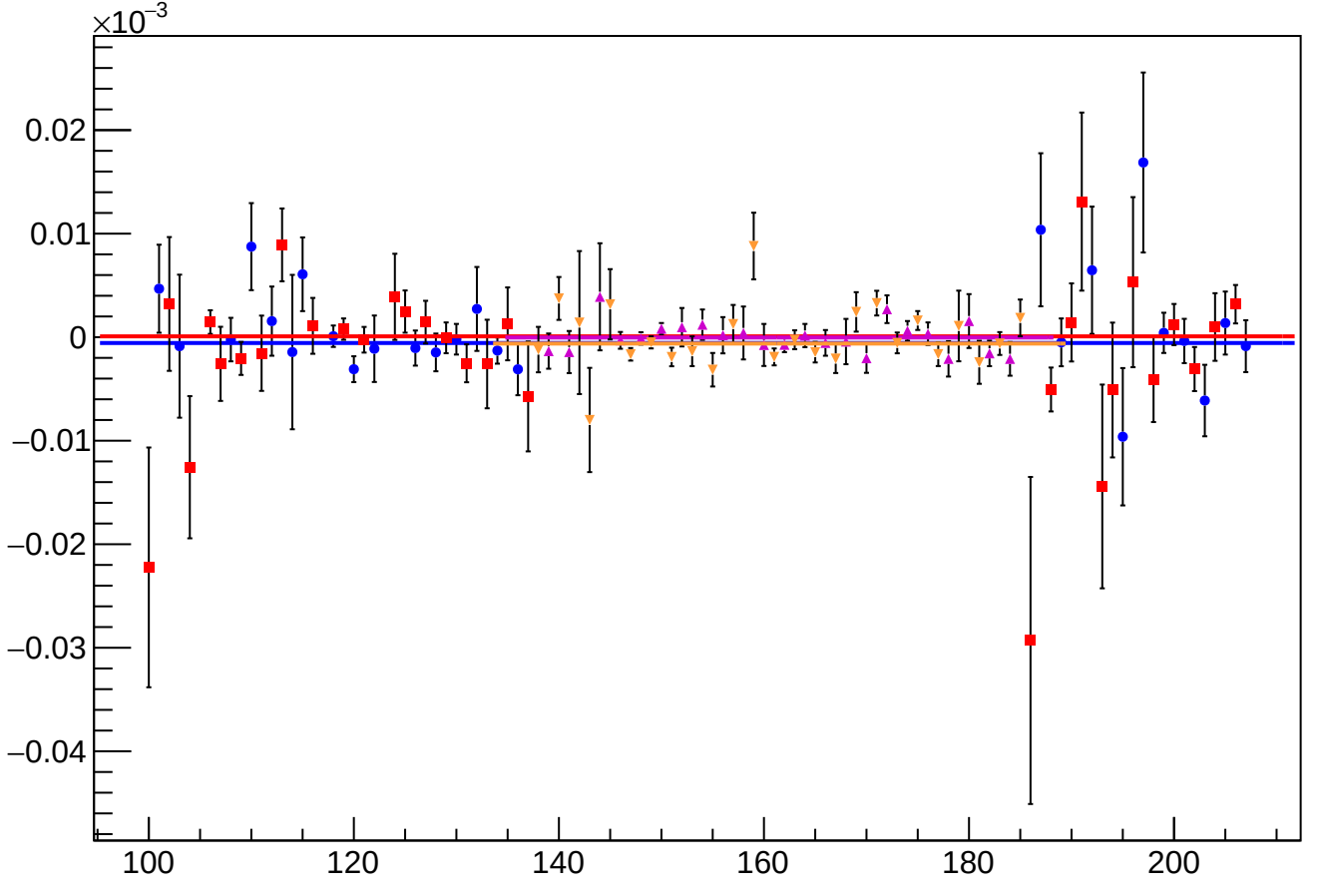
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 70.165+/-0.011 χ^2/NDF: 12871244.0/56

In: 60.478+/-0.009 χ^2/NDF:7294394.8/48

Out: 60.236+/-0.009 χ^2/NDF:8605529.0/55

All: 60.354+/-0.006 χ^2/NDF: 15900313.8/104



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/25

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

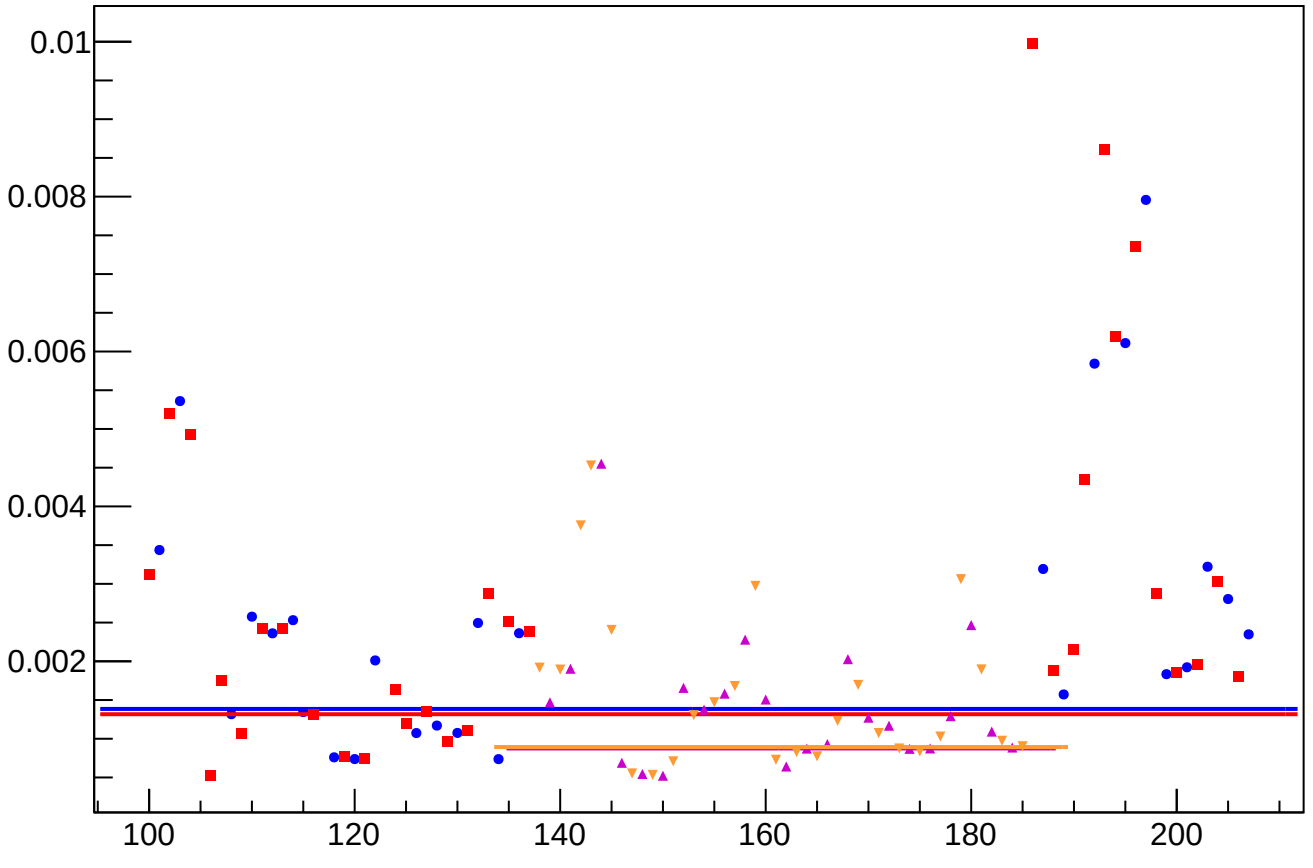
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 77.1/56

In: -0.000+/-0.000 χ^2/NDF:49.3/48

Out: -0.000+/-0.000 χ^2/NDF:101.0/55

All: -0.000+/-0.000 χ^2/NDF: 151.3/104



Right In: 0.001+/-0.000 χ^2/NDF: 8881613.6/25

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

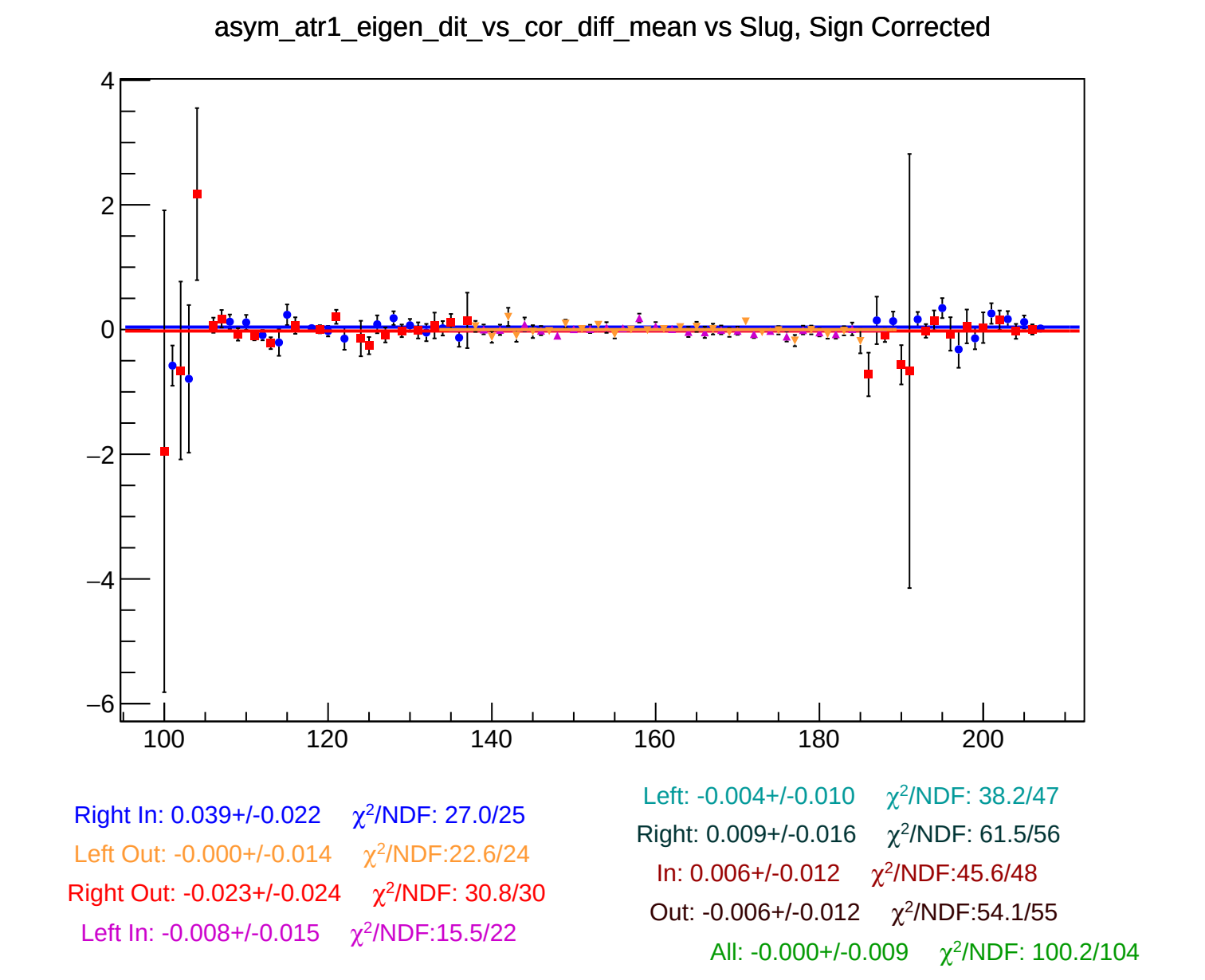
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

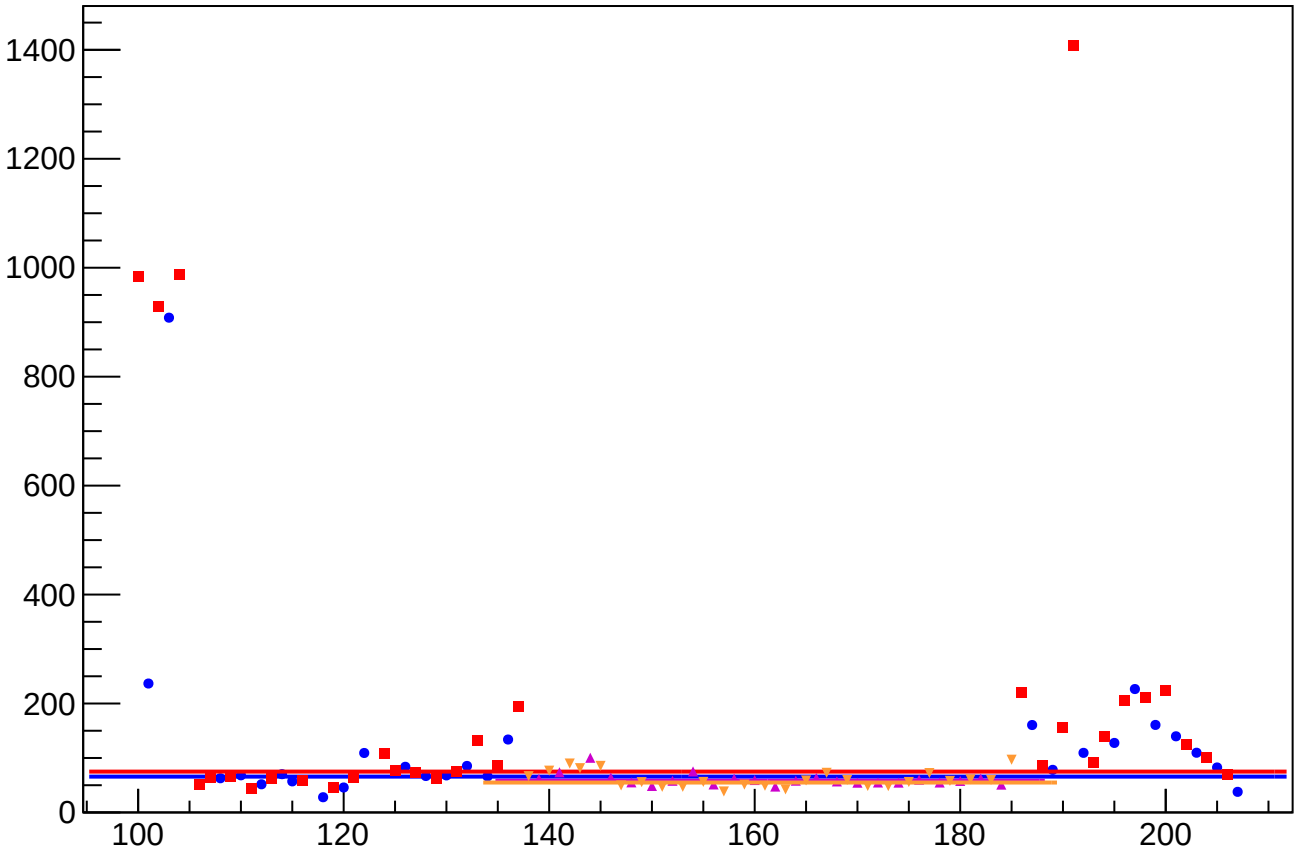
Right: 0.001+/-0.000 χ^2/NDF: 19087484.0/56

In: 0.001+/-0.000 χ^2/NDF:17965343.0/48

Out: 0.001+/-0.000 χ^2/NDF:19525861.9/55

All: 0.001+/-0.000 χ^2/NDF: 37491830.5/104


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: 0.039+/-0.022 χ²/NDF: 27.0/25
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+/-0.016 χ²/NDF: 61.5/56
In: 0.006+/-0.012 χ²/NDF:45.6/48
Out: -0.006+/-0.012 χ²/NDF:54.1/55
All: -0.000+/-0.009 χ²/NDF: 100.2/104



Right In: 65.793+/-0.016 χ^2/NDF: 6474423.5/25

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

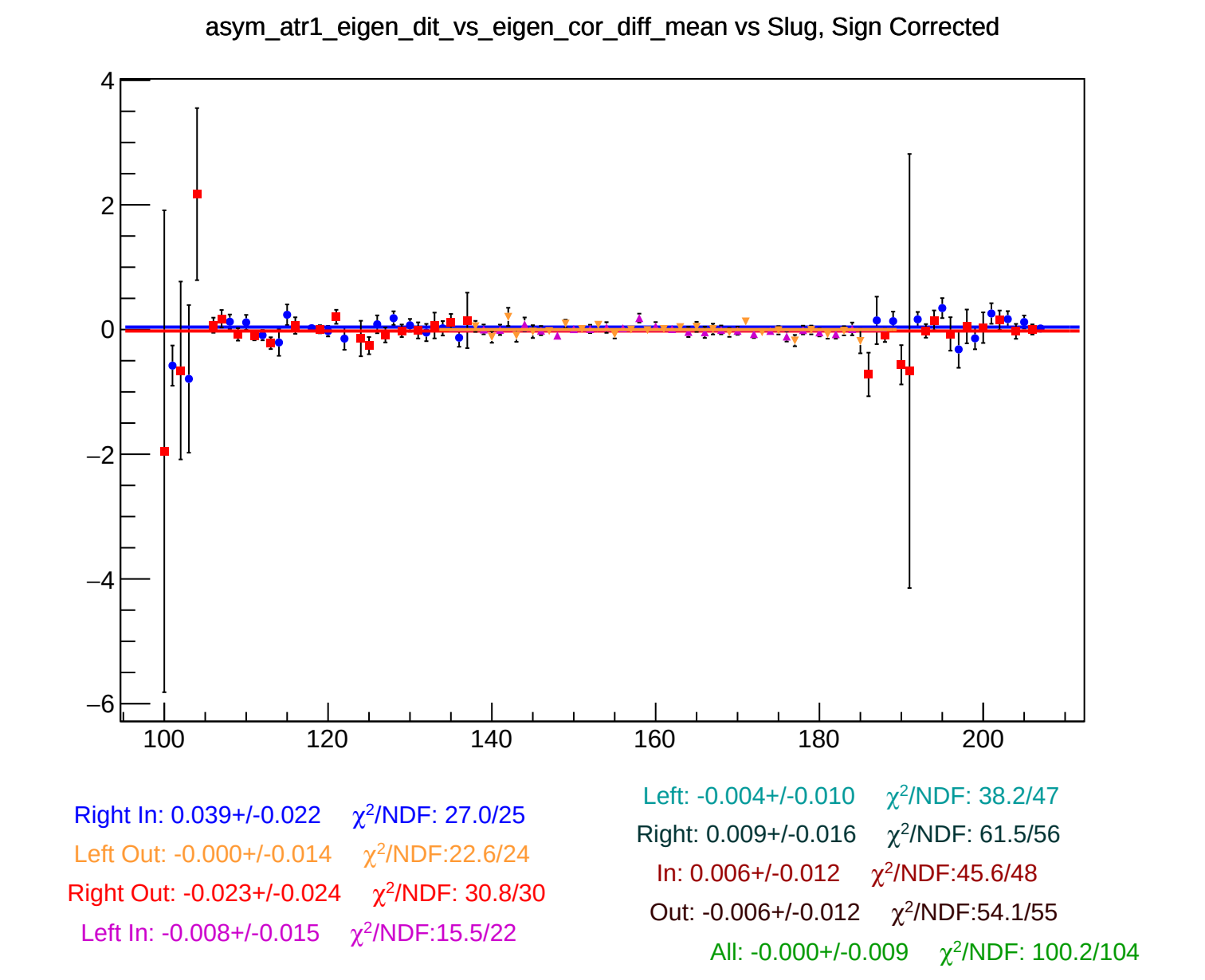
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 70.164+/-0.011 χ^2/NDF: 12871547.3/56

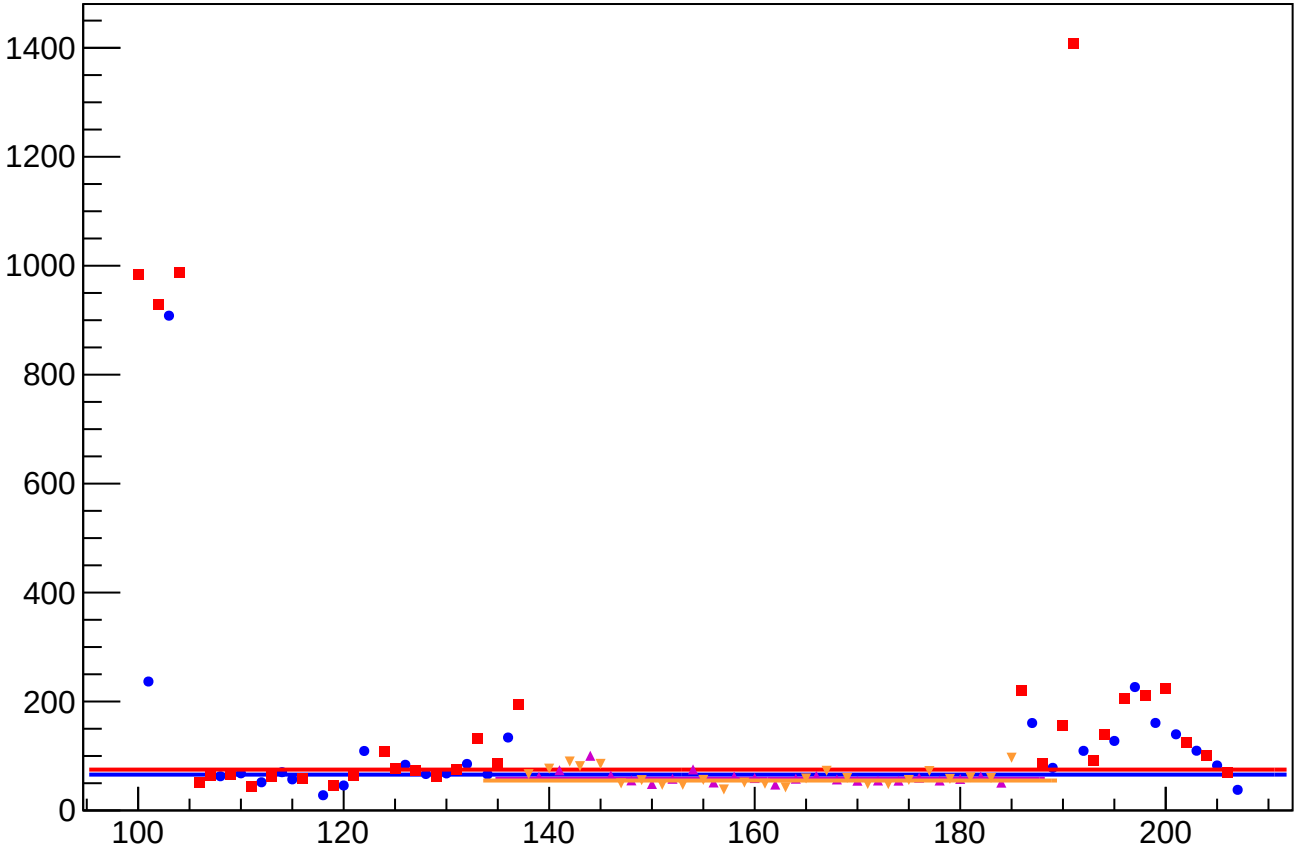
In: 60.477+/-0.009 χ^2/NDF:7294601.5/48

Out: 60.236+/-0.009 χ^2/NDF:8605661.7/55

All: 60.354+/-0.006 χ^2/NDF: 15900653.4/104


asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.039+/-0.022 χ²/NDF: 27.0/25
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+/-0.016 χ²/NDF: 61.5/56
In: 0.006+/-0.012 χ²/NDF:45.6/48
Out: -0.006+/-0.012 χ²/NDF:54.1/55
All: -0.000+/-0.009 χ²/NDF: 100.2/104

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.793+/-0.016 χ^2/NDF: 6474423.5/25

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

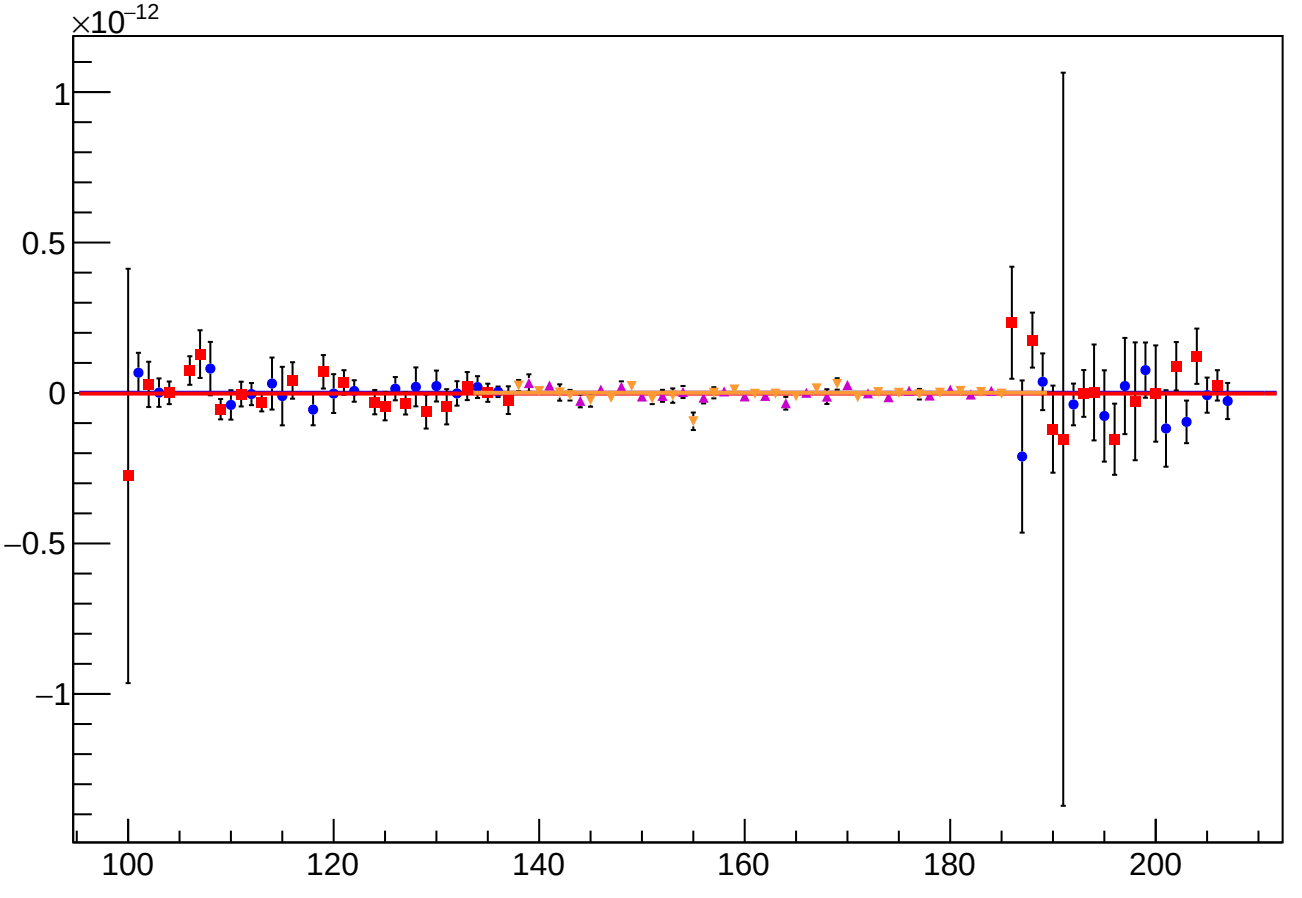
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 70.164+/-0.011 χ^2/NDF: 12871547.3/56

In: 60.477+/-0.009 χ^2/NDF:7294601.5/48

Out: 60.236+/-0.009 χ^2/NDF:8605661.7/55

All: 60.354+/-0.006 χ^2/NDF: 15900653.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/25

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

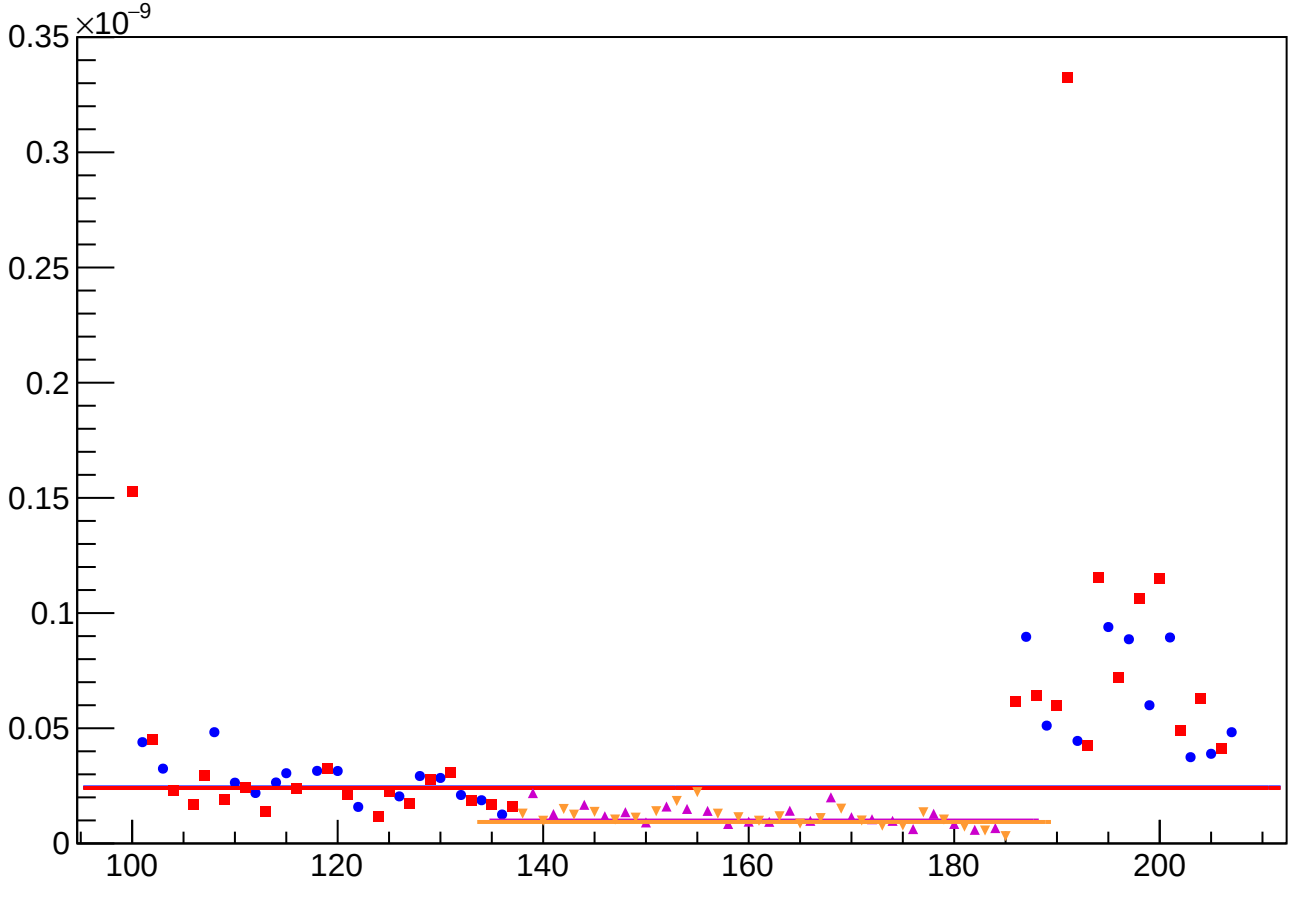
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 37.2/56

In: 0.000+/-0.000 χ^2/NDF:29.9/48

Out: 0.000+/-0.000 χ^2/NDF:52.9/55

All: 0.000+/-0.000 χ^2/NDF: 82.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 4134132.5/25

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

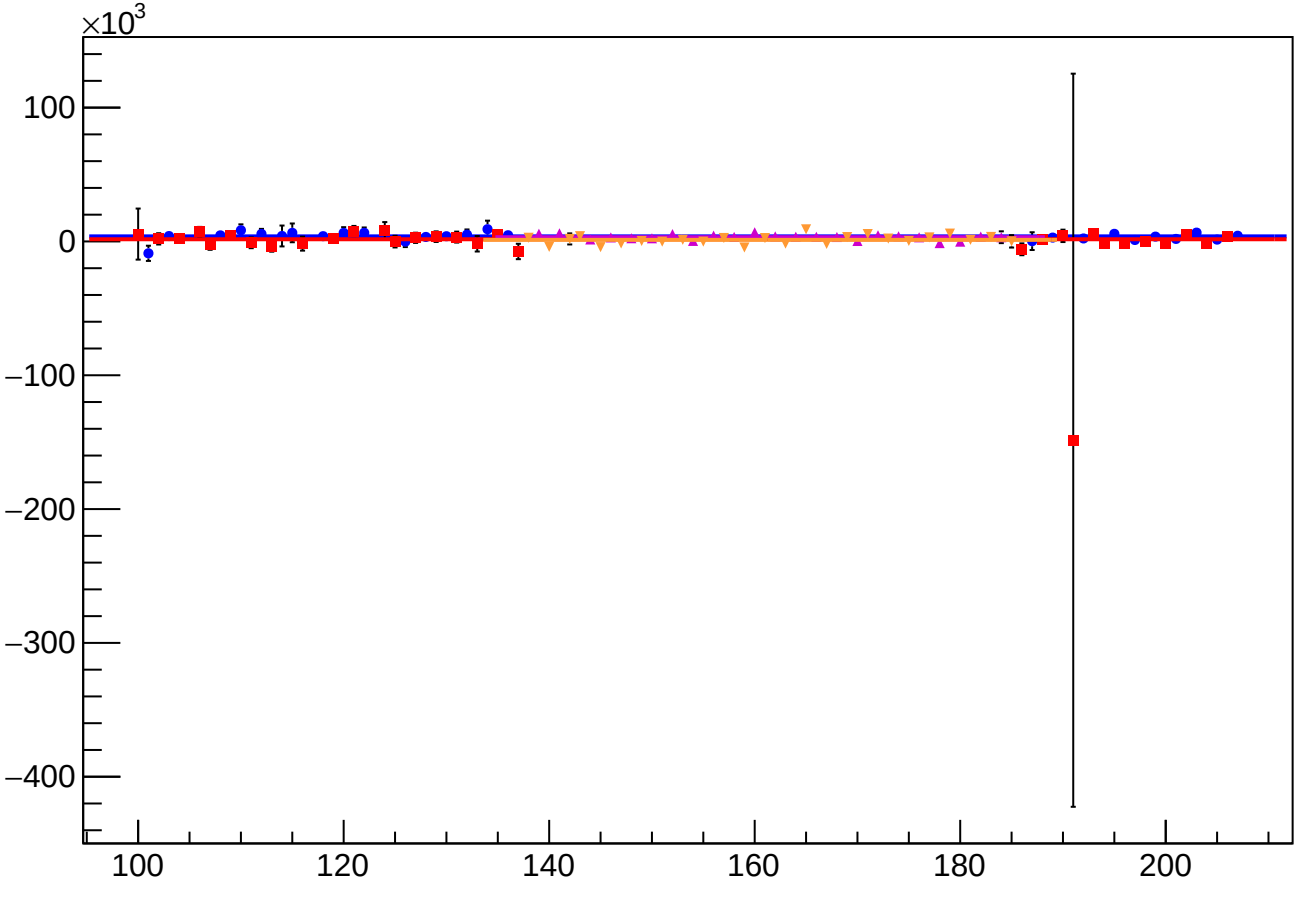
Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8851641.7/56

In: 0.000+/-0.000 χ^2/NDF:10820831.6/48

Out: 0.000+/-0.000 χ^2/NDF:12191909.8/55

All: 0.000+/-0.000 χ^2/NDF: 23082500.2/104



Right In: 3789.982+/-683.162 χ^2/NDF: 13.0/25

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

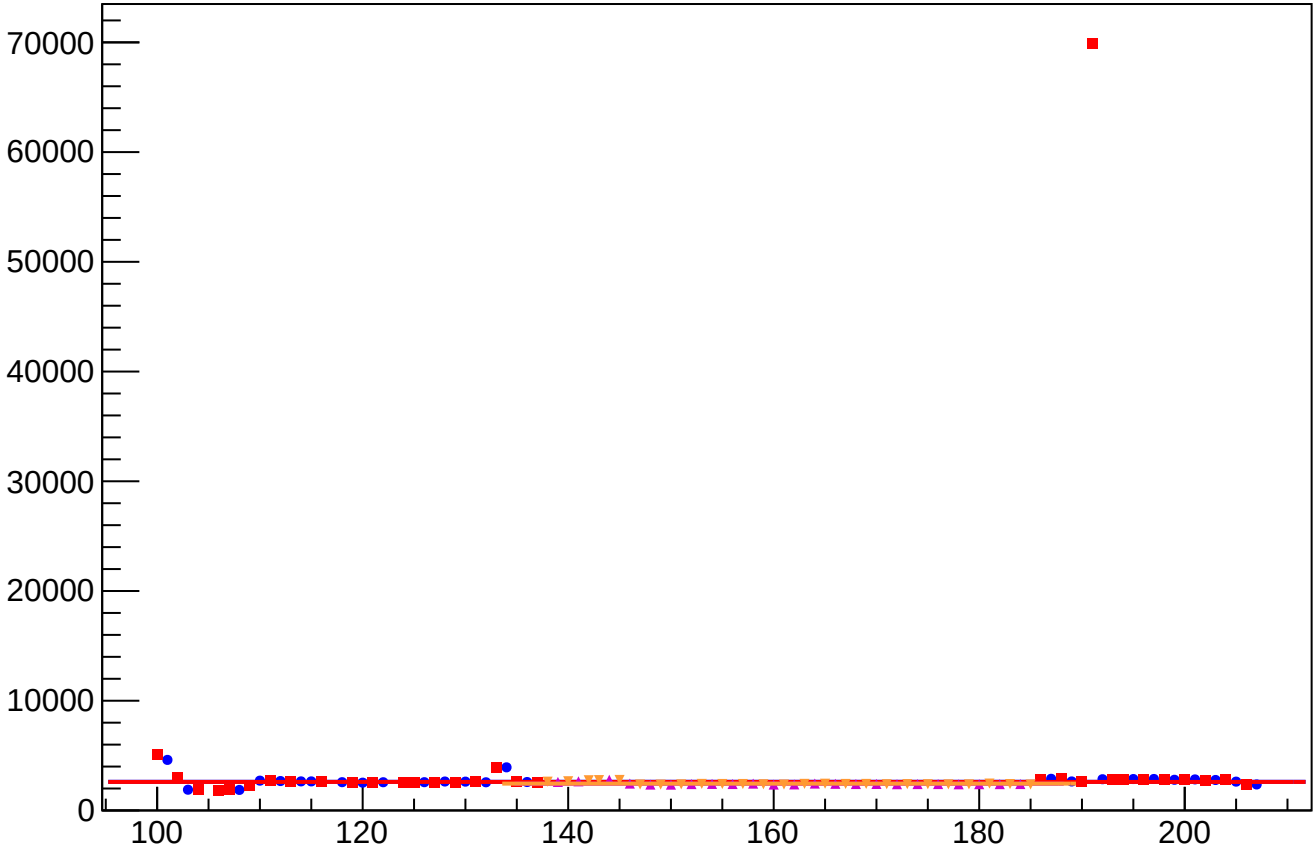
Right: 2669.850+/-473.290 χ^2/NDF: 45.9/56

In: 3410.721+/-437.313 χ^2/NDF:26.1/48

Out: 1375.780+/-424.340 χ^2/NDF:59.2/55

All: 2362.618+/-304.537 χ^2/NDF: 96.5/104

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2612.571+/-0.483 χ^2/NDF: 720966.3/25

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

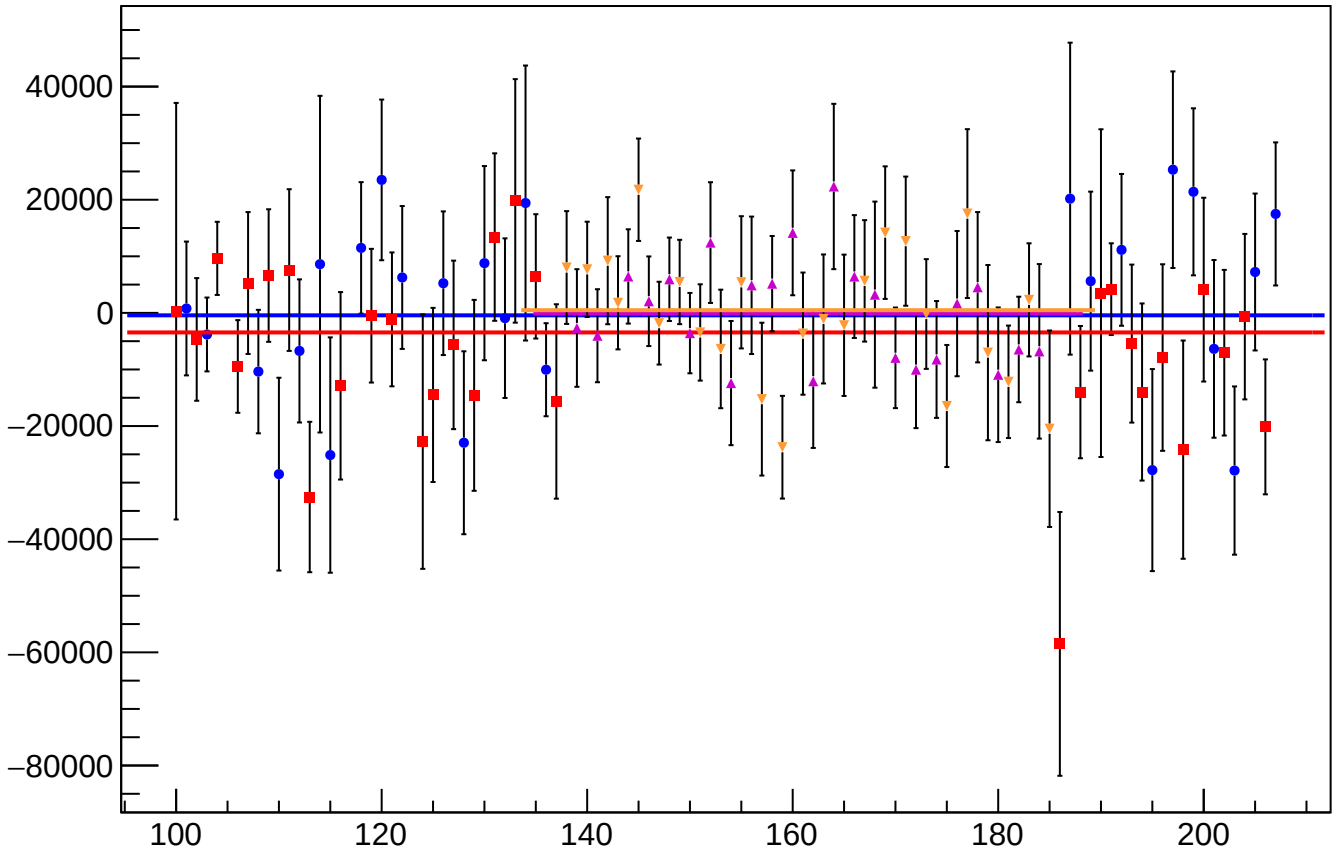
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2605.665+/-0.335 χ^2/NDF: 1476261.2/56

In: 2508.324+/-0.309 χ^2/NDF:859058.4/48

Out: 2509.979+/-0.300 χ^2/NDF:908557.1/55

All: 2509.176+/-0.215 χ^2/NDF: 1767630.3/10



Right In: -429.416+/-2602.414 χ^2/NDF: 28.2/25

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

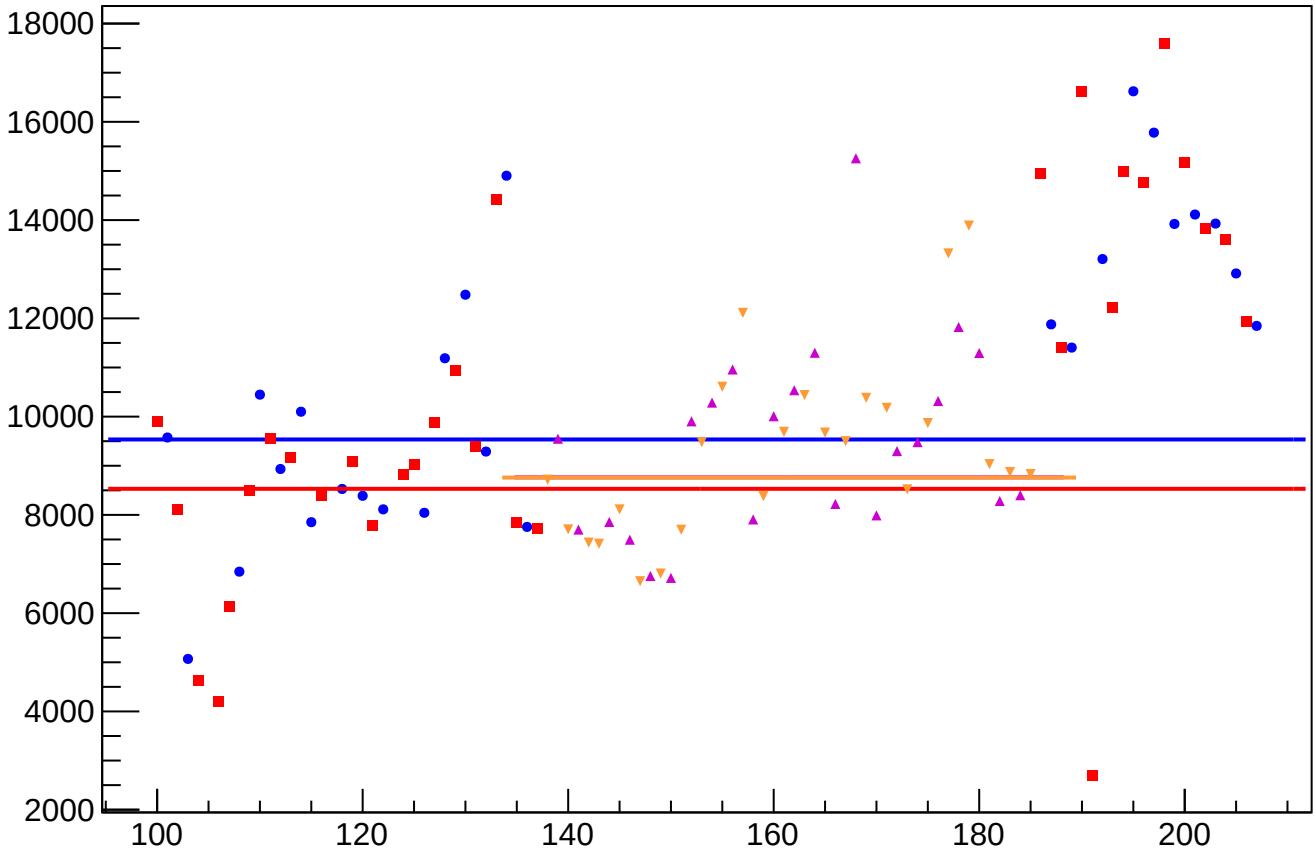
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2107.414+/-1735.943 χ^2/NDF: 57.5/56

In: -232.237+/-1629.974 χ^2/NDF:42.8/48

Out: -1224.174+/-1533.154 χ^2/NDF:57.5/55

All: -758.540+/-1116.764 χ^2/NDF: 100.4/104



Right In: 9535.169+/-1.840 χ^2/NDF: 2907121.7/25

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

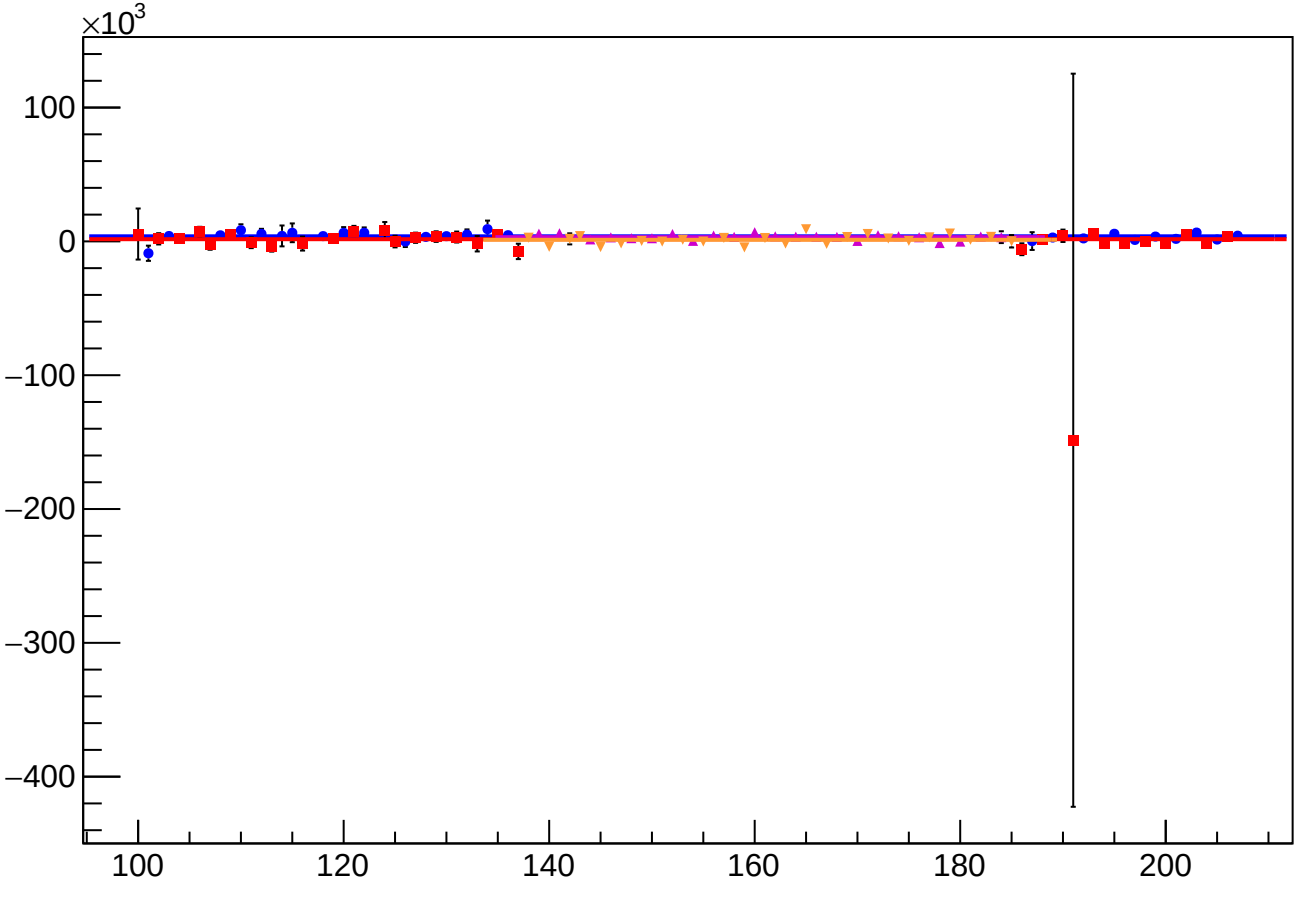
Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

Right: 8977.759+/-1.227 χ^2/NDF: 8366627.2/56

In: 9066.607+/-1.153 χ^2/NDF:4305508.7/48

Out: 8660.609+/-1.084 χ^2/NDF:6527362.0/55

All: 8851.192+/-0.790 χ^2/NDF: 10898707.2/1



Right In: 3789.813+/-683.162 χ^2/NDF: 13.0/25

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

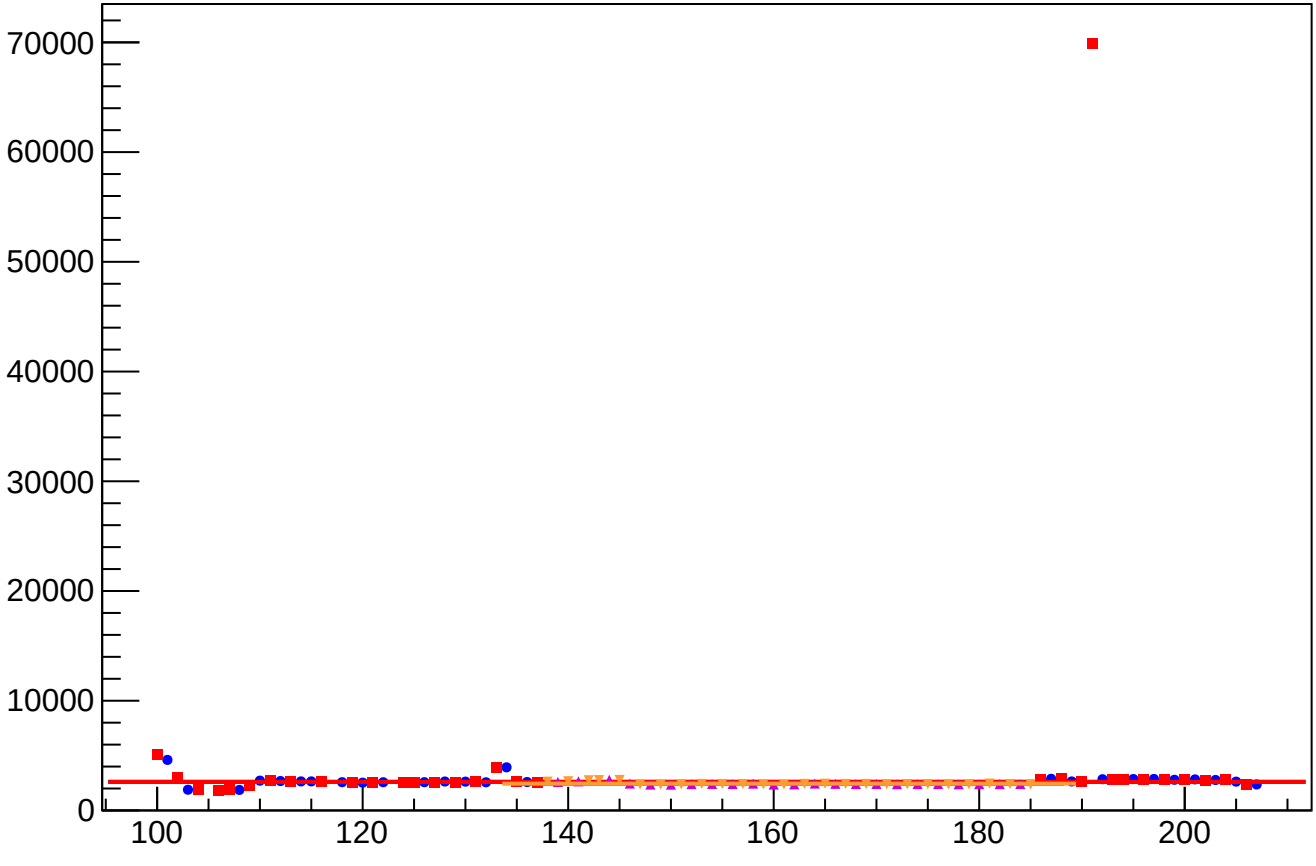
Right: 2669.951+/-473.291 χ^2/NDF: 45.9/56

In: 3410.535+/-437.313 χ^2/NDF:26.1/48

Out: 1375.823+/-424.340 χ^2/NDF:59.2/55

All: 2362.552+/-304.537 χ^2/NDF: 96.5/104

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2612.571+/-0.483 χ^2/NDF: 720963.6/25

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

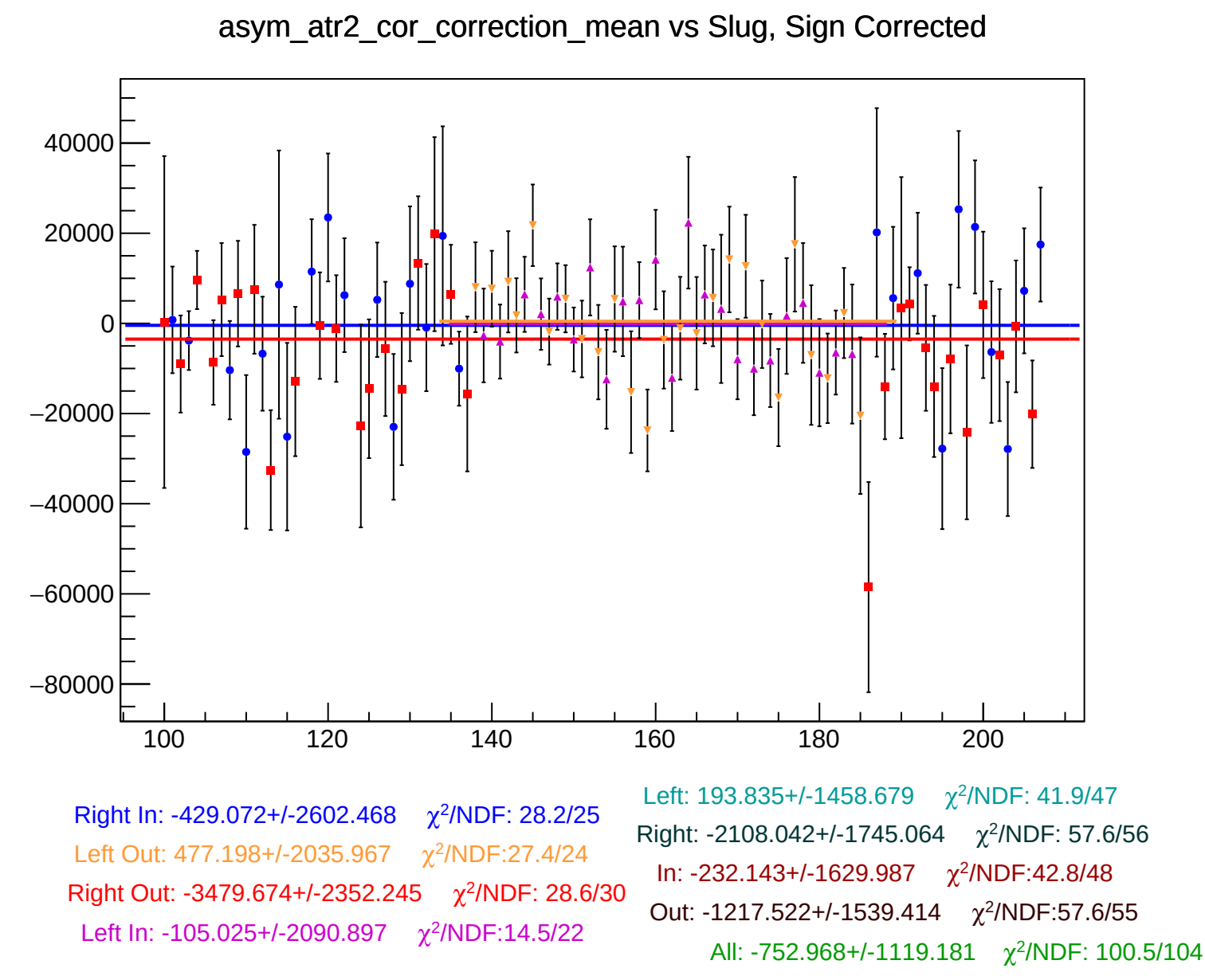
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

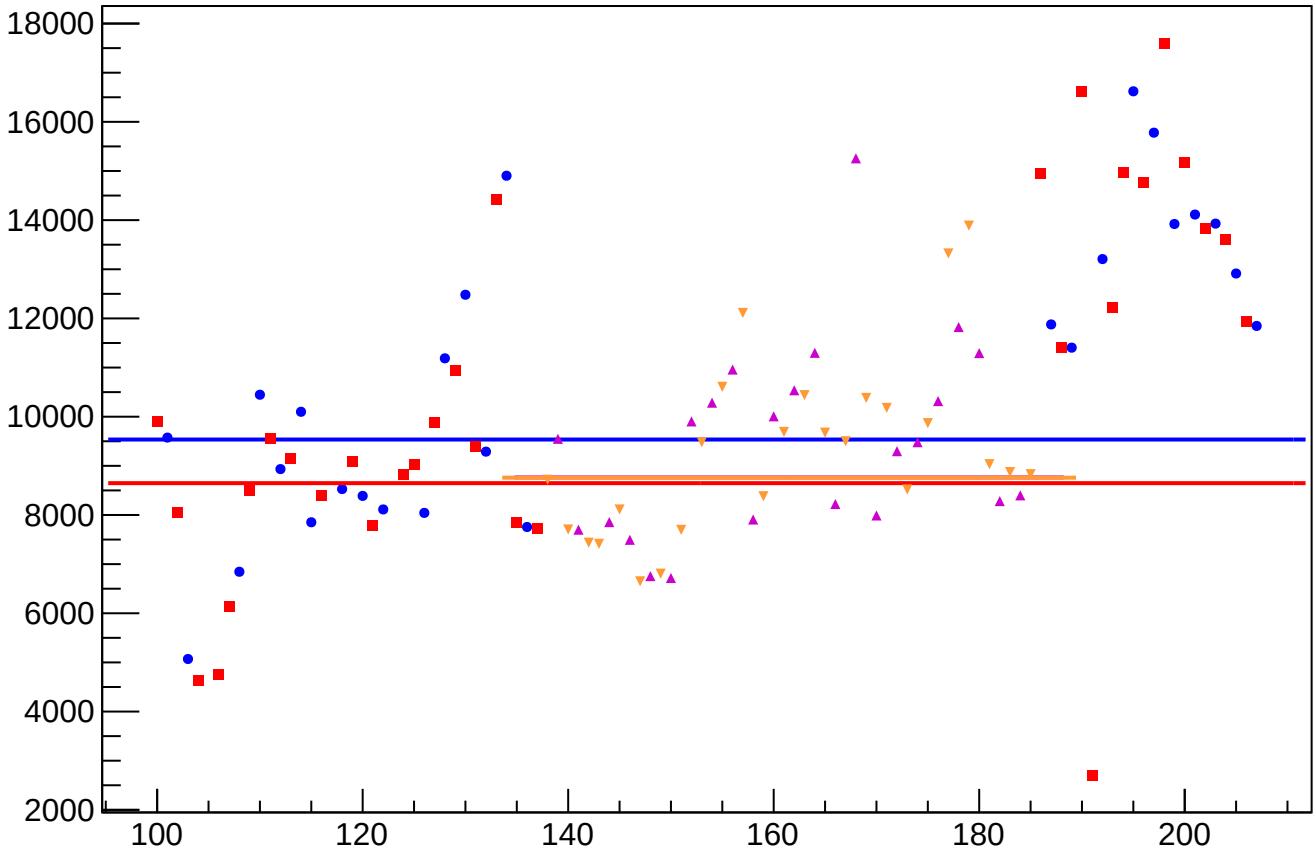
Right: 2605.672+/-0.335 χ^2/NDF: 1476185.3/56

In: 2508.324+/-0.309 χ^2/NDF:859056.2/48

Out: 2509.984+/-0.300 χ^2/NDF:908495.7/55

All: 2509.179+/-0.215 χ^2/NDF: 1767566.7/10


asym_atr2_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -429.072+/-2602.468 χ²/NDF: 28.2/25
Left Out: 477.198+/-2035.967 χ²/NDF:27.4/24
Right Out: -3479.674+/-2352.245 χ²/NDF: 28.6/30
Left In: -105.025+/-2090.897 χ²/NDF:14.5/22
Left: 193.835+/-1458.679 χ²/NDF: 41.9/47
Right: -2108.042+/-1745.064 χ²/NDF: 57.6/56
In: -232.143+/-1629.987 χ²/NDF:42.8/48
Out: -1217.522+/-1539.414 χ²/NDF:57.6/55
All: -752.968+/-1119.181 χ²/NDF: 100.5/104



Right In: 9535.464+/-1.840 χ^2/NDF: 2906581.1/25

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

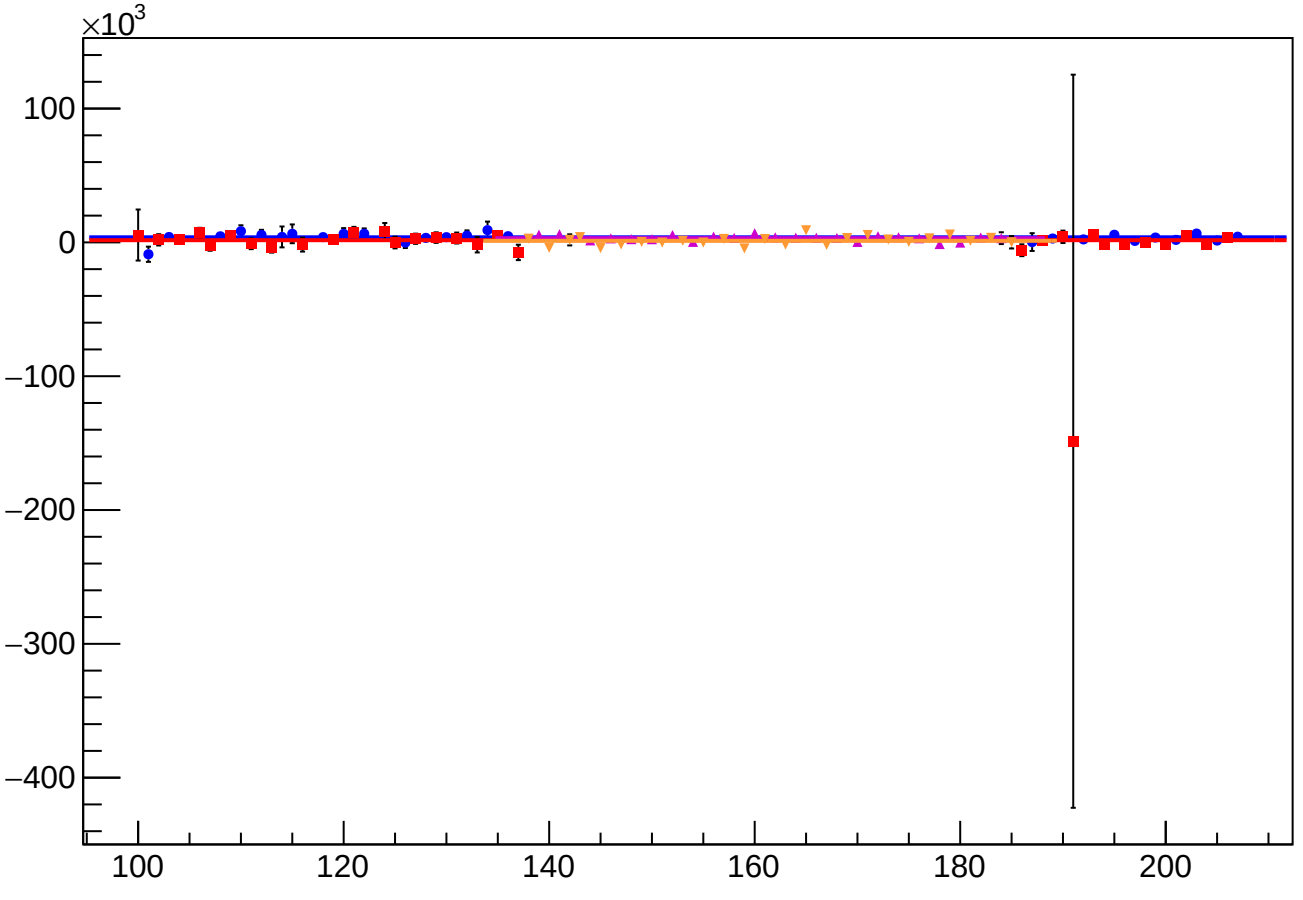
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9046.928+/-1.234 χ^2/NDF: 8087098.5/56

In: 9066.711+/-1.153 χ^2/NDF:4305050.3/48

Out: 8711.740+/-1.089 χ^2/NDF:6277295.1/55

All: 8879.090+/-0.791 χ^2/NDF: 10632480.1/1



Right In: 3789.813+/-683.162 χ^2/NDF: 13.0/25

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

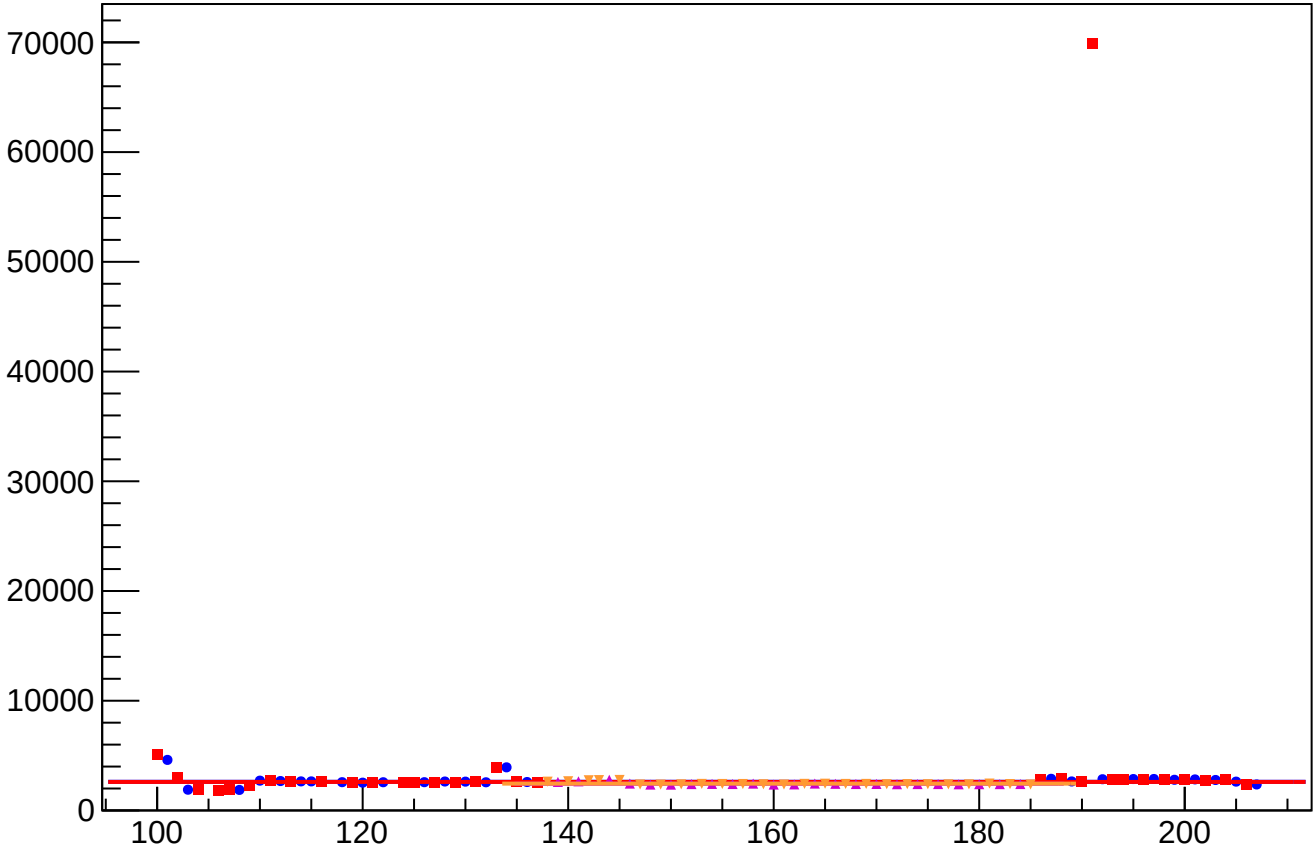
Right: 2669.951+/-473.291 χ^2/NDF: 45.9/56

In: 3410.535+/-437.313 χ^2/NDF:26.1/48

Out: 1375.823+/-424.340 χ^2/NDF:59.2/55

All: 2362.552+/-304.537 χ^2/NDF: 96.5/104

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2612.571+/-0.483 χ^2/NDF: 720963.6/25

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

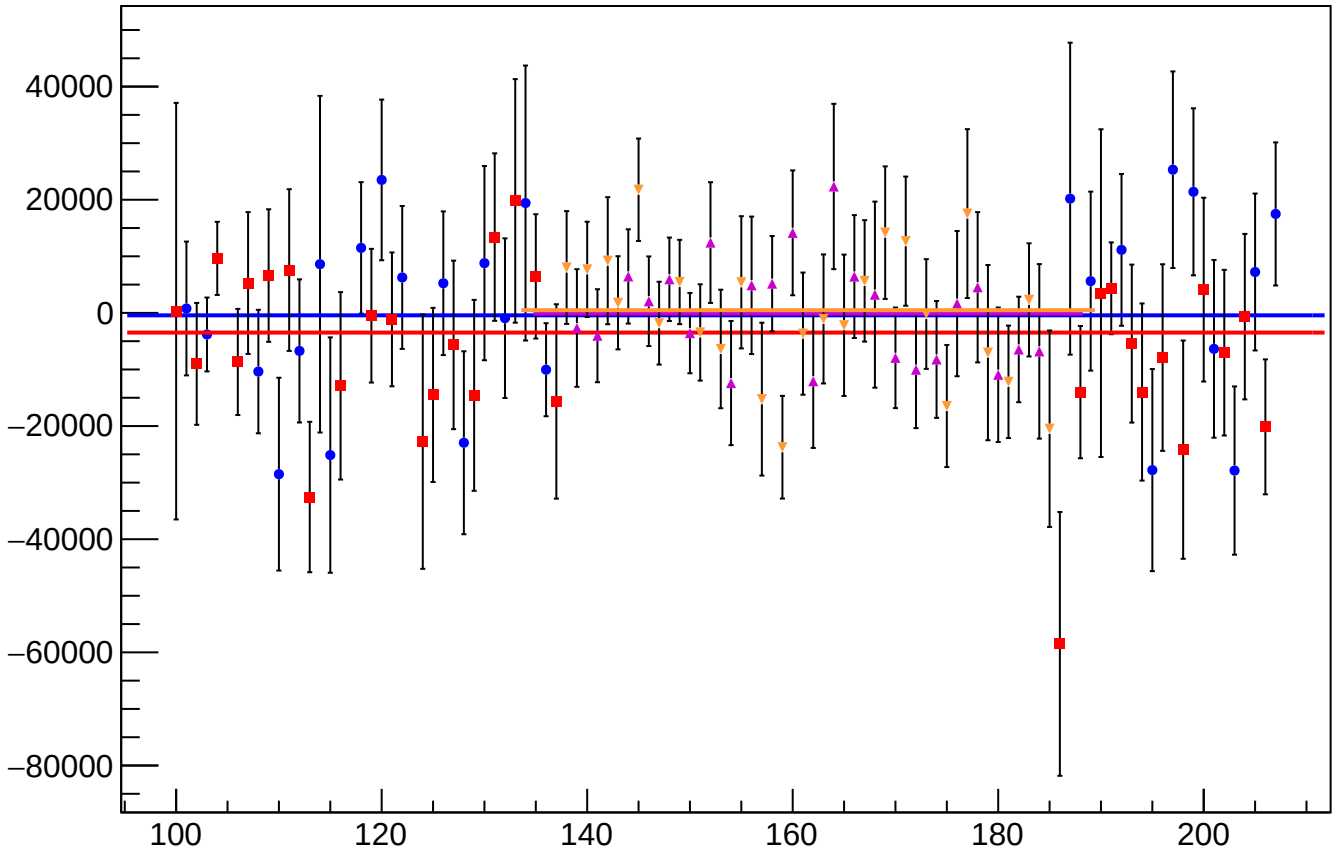
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2605.672+/-0.335 χ^2/NDF: 1476185.3/56

In: 2508.324+/-0.309 χ^2/NDF:859056.2/48

Out: 2509.984+/-0.300 χ^2/NDF:908495.7/55

All: 2509.179+/-0.215 χ^2/NDF: 1767566.7/10



Right In: -429.072+/-2602.468 χ^2/NDF: 28.2/25

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

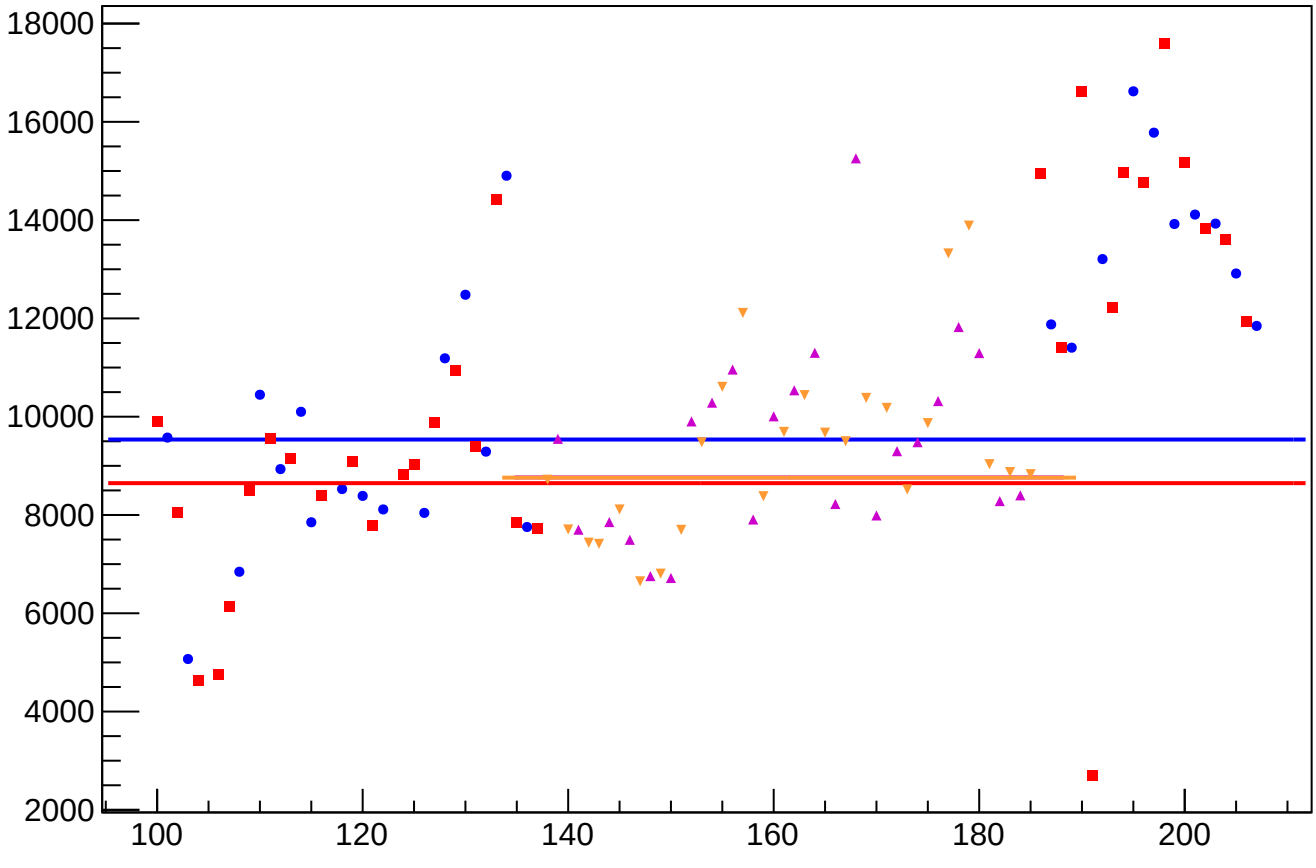
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2108.042+/-1745.064 χ^2/NDF: 57.6/56

In: -232.143+/-1629.987 χ^2/NDF:42.8/48

Out: -1217.522+/-1539.414 χ^2/NDF:57.6/55

All: -752.968+/-1119.181 χ^2/NDF: 100.5/104



Right In: 9535.464+/-1.840 χ^2/NDF: 2906581.1/25

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

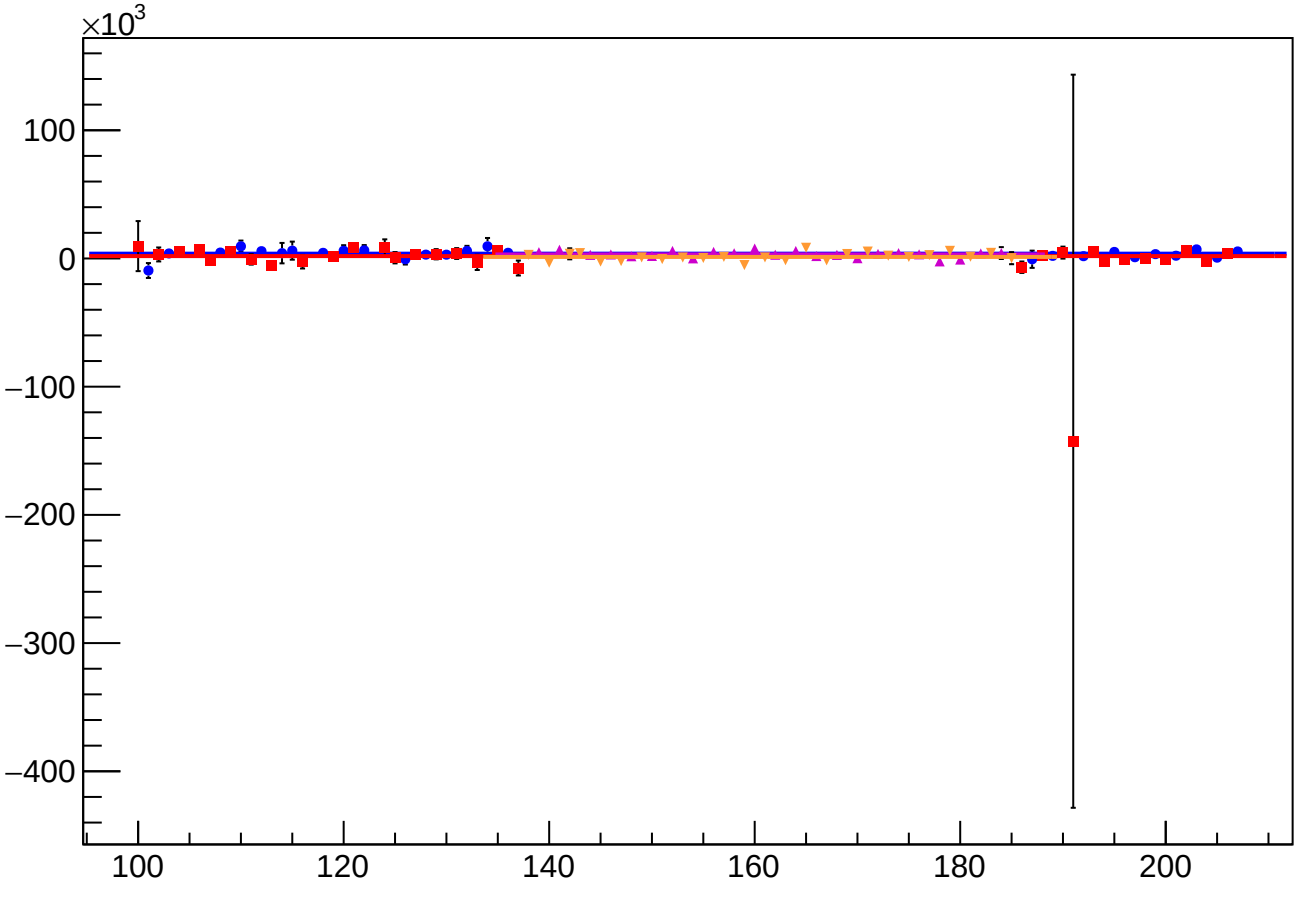
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 9046.928+/-1.234 χ^2/NDF: 8087098.5/56

In: 9066.711+/-1.153 χ^2/NDF:4305050.3/48

Out: 8711.740+/-1.089 χ^2/NDF:6277295.1/55

All: 8879.090+/-0.791 χ^2/NDF: 10632480.1/1



Right In: 3753.196+/-704.420 χ^2/NDF: 15.4/25

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

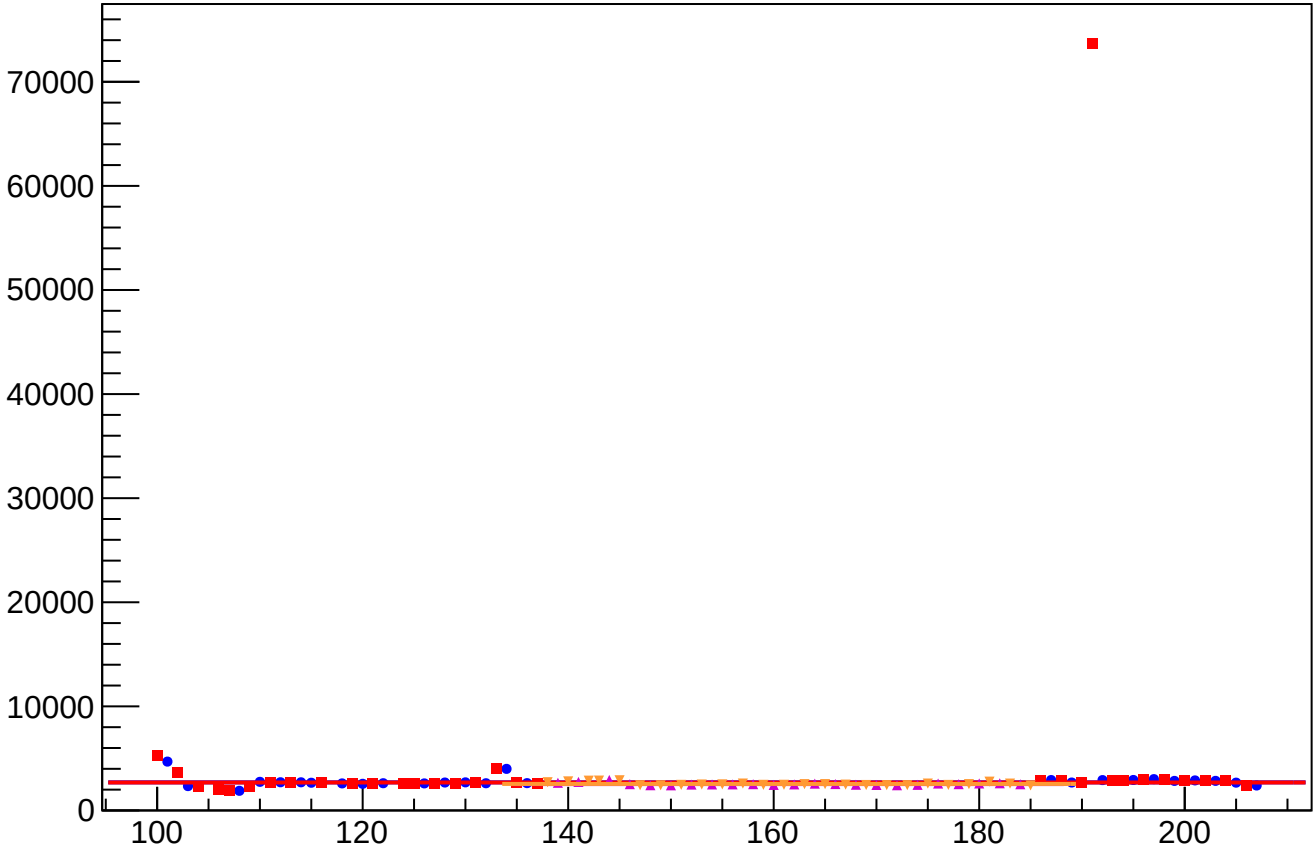
Right: 2766.540+/-488.771 χ^2/NDF: 50.8/56

In: 3399.895+/-453.259 χ^2/NDF:32.3/48

Out: 1482.383+/-440.806 χ^2/NDF:59.0/55

All: 2414.436+/-316.008 χ^2/NDF: 100.5/104

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2699.561+/-0.498 χ^2/NDF: 583654.2/25

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

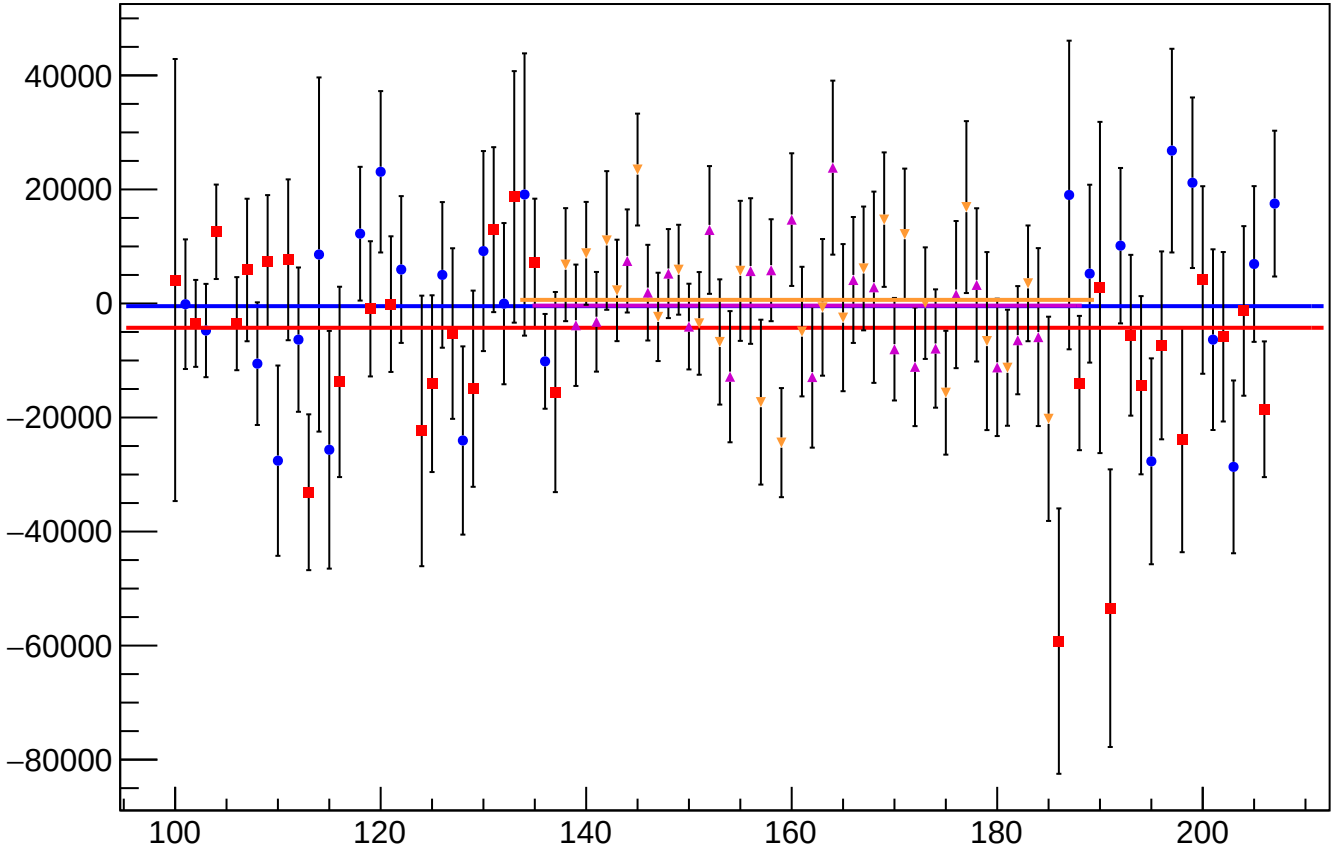
Right: 2692.954+/-0.346 χ^2/NDF: 1250848.5/56

In: 2601.827+/-0.321 χ^2/NDF:717797.4/48

Out: 2606.082+/-0.312 χ^2/NDF:833137.9/55

All: 2604.014+/-0.223 χ^2/NDF: 1551025.8/10

asym_atr2_dit_correction_mean vs Slug, Sign Corrected



Right In: -471.805+/-2688.931 χ^2/NDF: 28.1/25

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -4263.194+/-2437.798 χ^2/NDF: 30.4/30

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

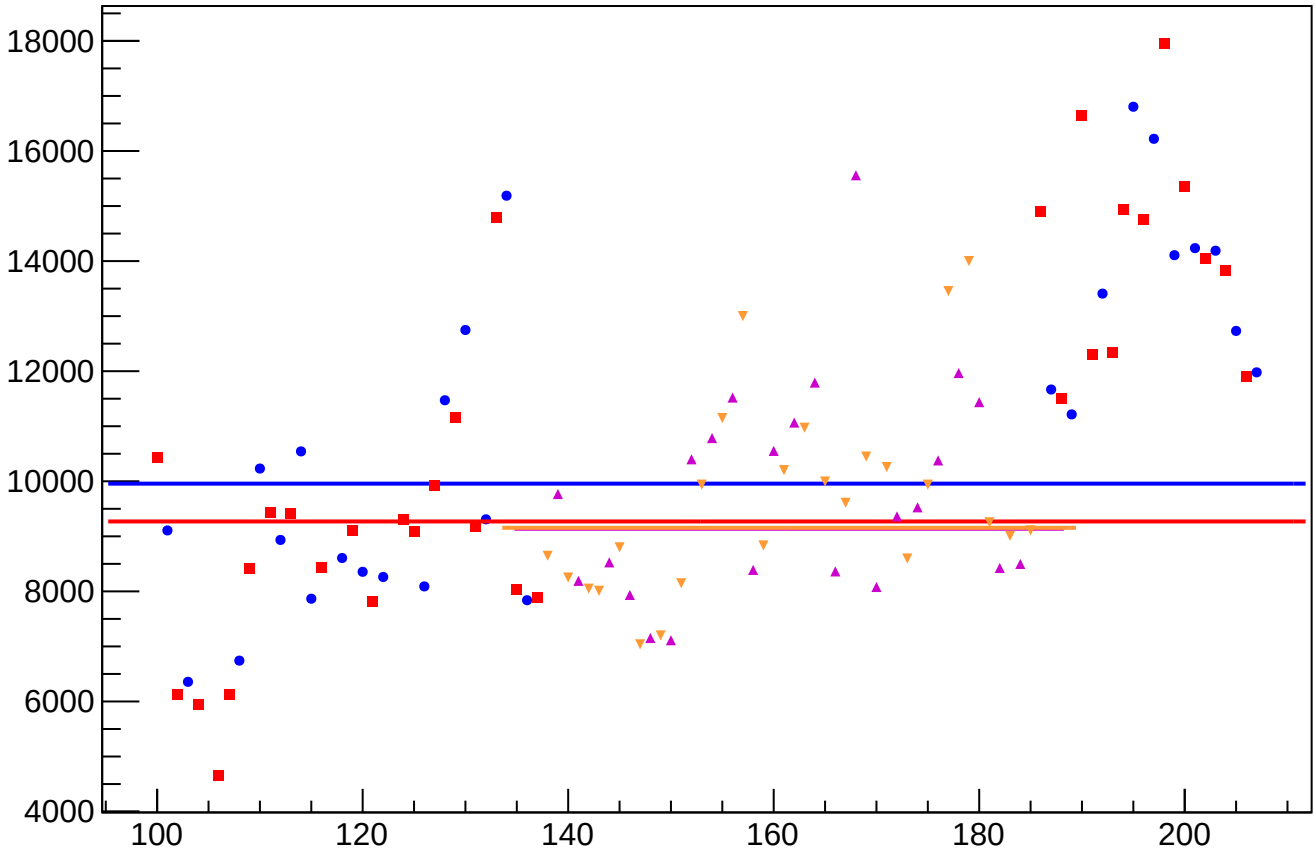
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -2552.776+/-1806.058 χ^2/NDF: 59.6/56

In: -415.081+/-1691.679 χ^2/NDF:42.3/48

Out: -1479.798+/-1601.038 χ^2/NDF:59.4/55

All: -976.727+/-1162.829 χ^2/NDF: 101.9/104



Right In: 9957.103+/-1.901 χ^2/NDF: 2303241.4/25

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

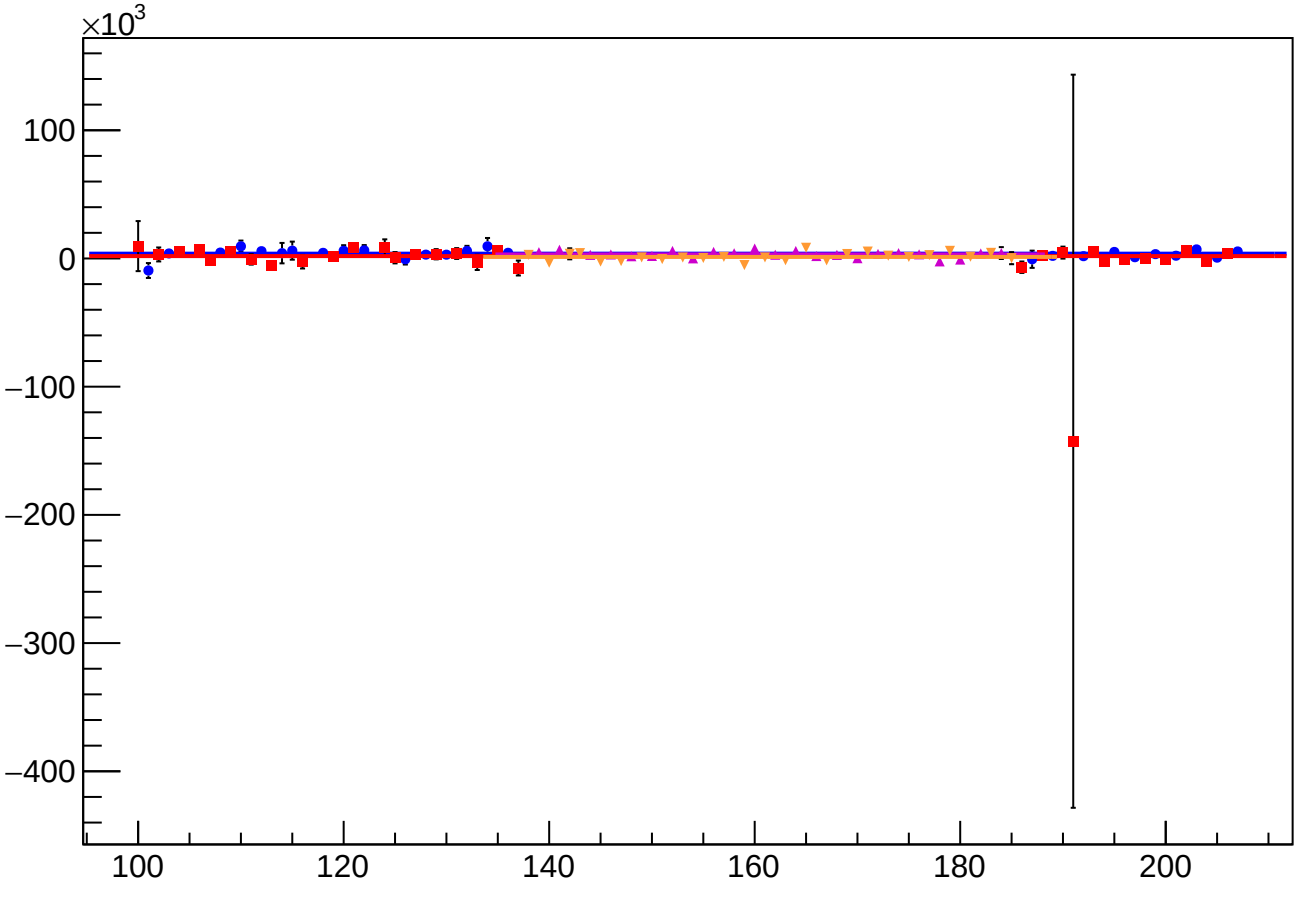
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9580.070+/-1.277 χ^2/NDF: 6125320.9/56

In: 9461.946+/-1.196 χ^2/NDF:3588281.1/48

Out: 9204.501+/-1.132 χ^2/NDF:4825065.1/55

All: 9326.142+/-0.822 χ^2/NDF: 8437780.0/10



Right In: 3753.193+/-704.420 χ^2/NDF: 15.4/25

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

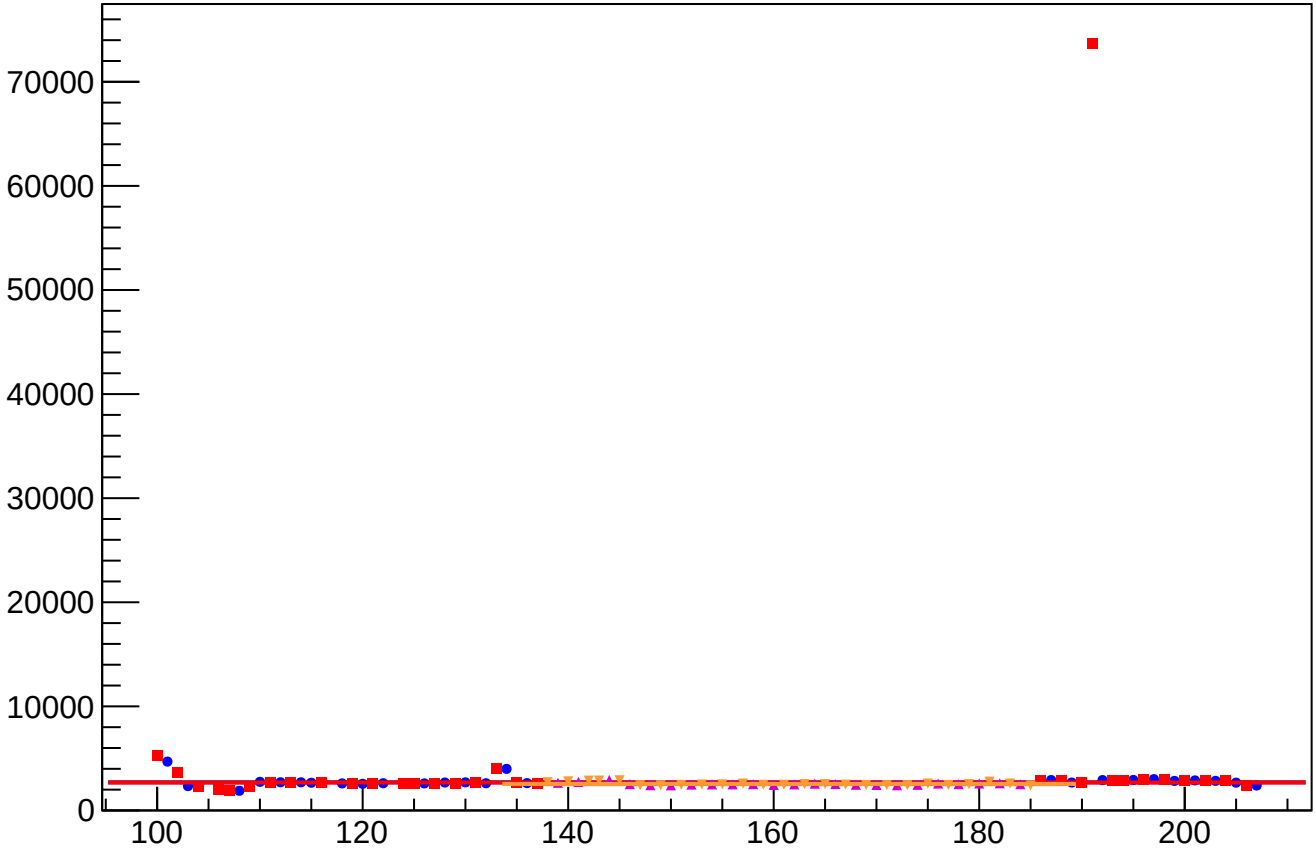
Right: 2766.539+/-488.771 χ^2/NDF: 50.8/56

In: 3399.893+/-453.259 χ^2/NDF:32.3/48

Out: 1482.377+/-440.806 χ^2/NDF:59.0/55

All: 2414.433+/-316.008 χ^2/NDF: 100.5/104

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2699.561+/-0.498 χ^2/NDF: 583654.7/25

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

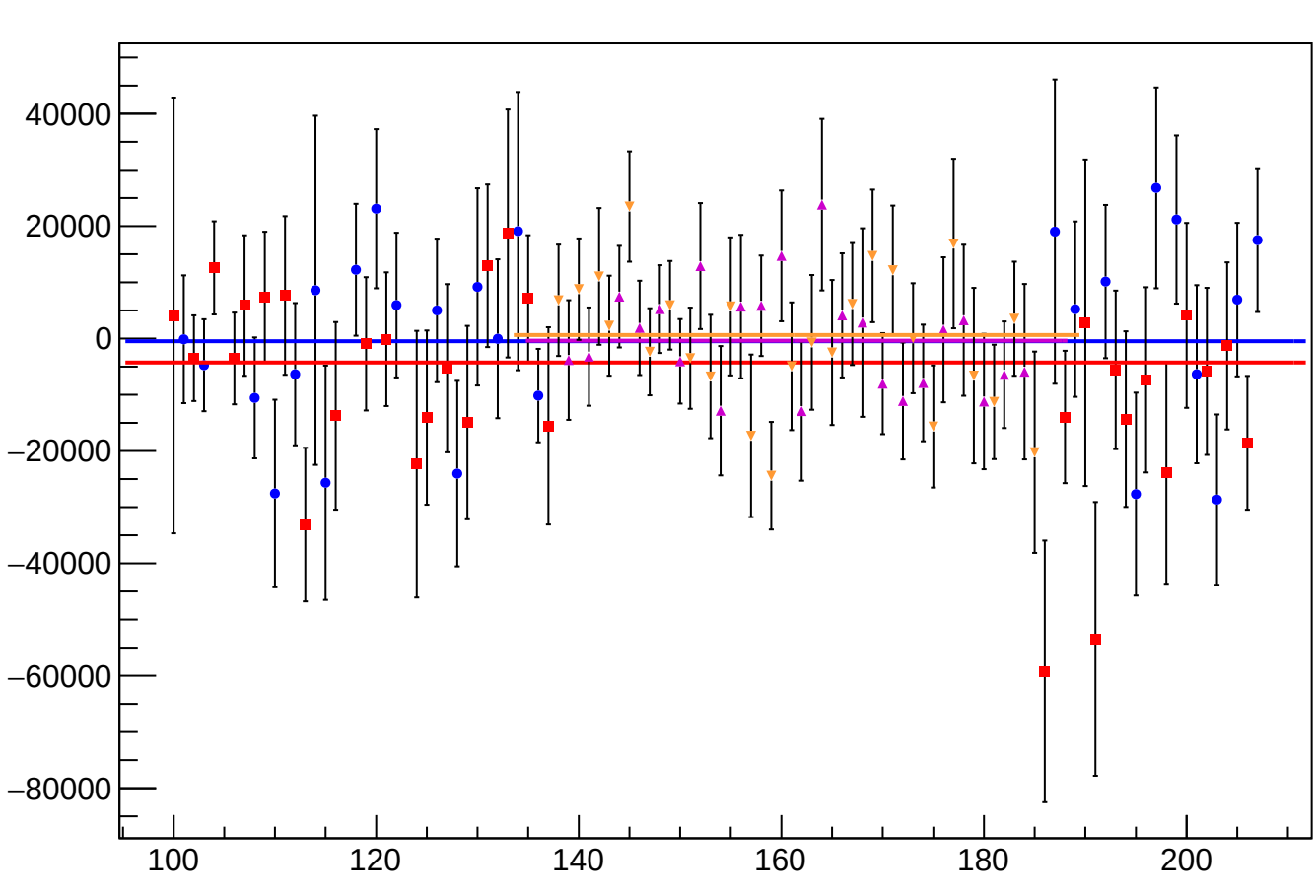
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2692.954+/-0.346 χ^2/NDF: 1250849.2/56

In: 2601.828+/-0.321 χ^2/NDF:717795.8/48

Out: 2606.084+/-0.312 χ^2/NDF:833136.9/55

All: 2604.015+/-0.223 χ^2/NDF: 1551023.3/10



Right In: -471.787+/-2688.929 χ^2/NDF: 28.1/25

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

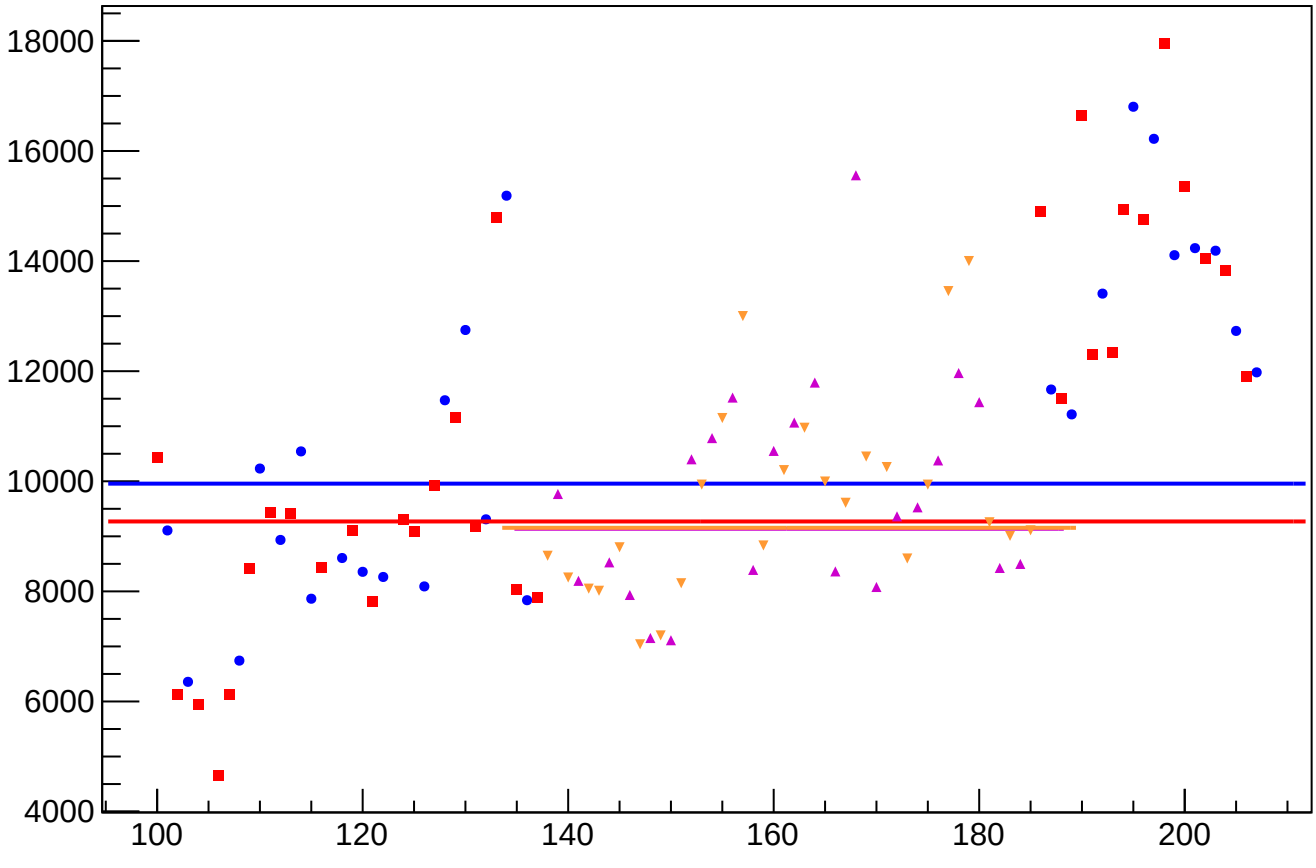
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2552.763+/-1806.056 χ^2/NDF: 59.6/56

In: -415.077+/-1691.681 χ^2/NDF:42.3/48

Out: -1479.802+/-1601.039 χ^2/NDF:59.4/55

All: -976.727+/-1162.829 χ^2/NDF: 101.9/104



Right In: 9957.095+/-1.901 χ^2/NDF: 2303252.2/25

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

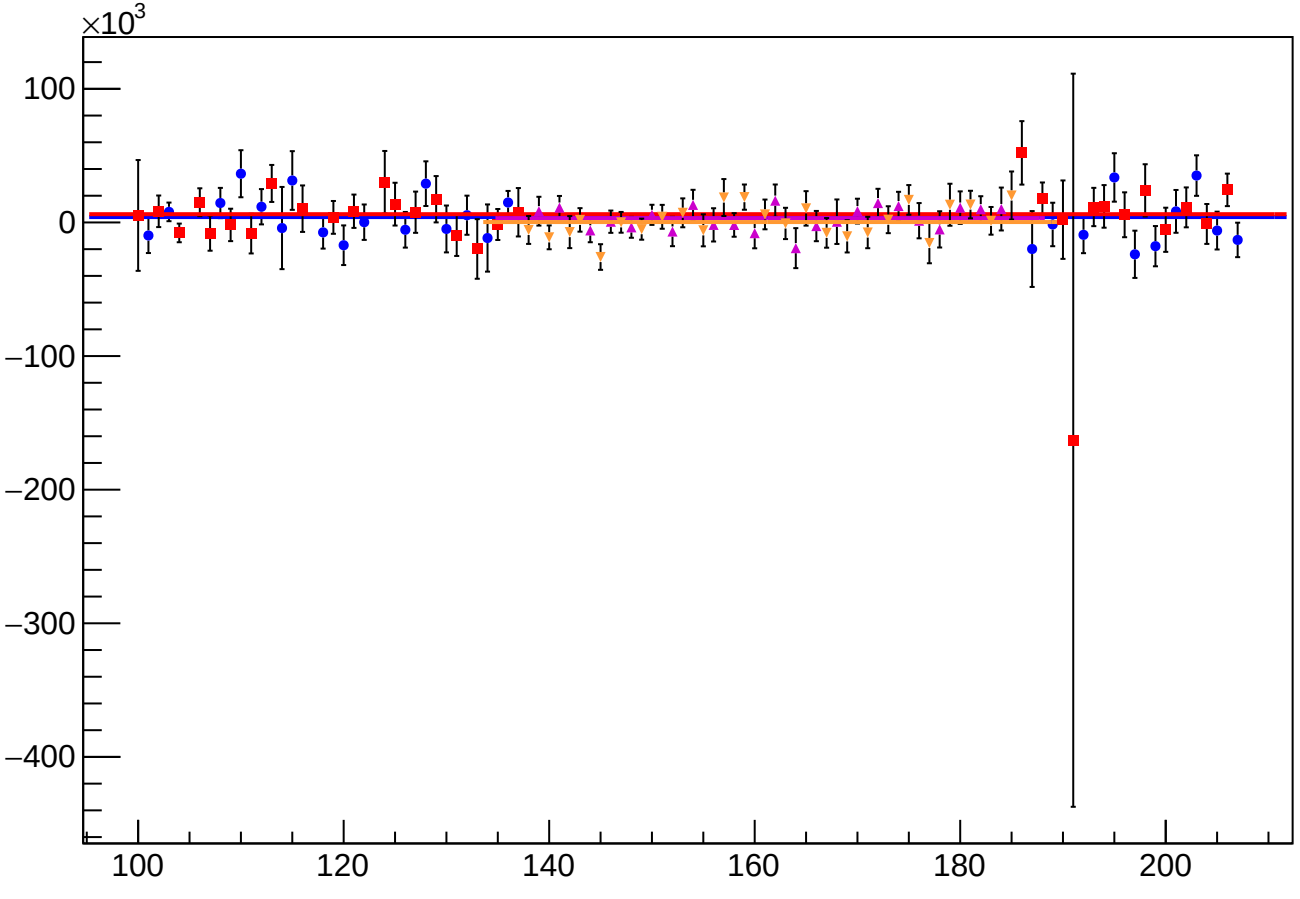
Right: 9580.061+/-1.277 χ^2/NDF: 6125348.3/56

In: 9461.952+/-1.196 χ^2/NDF:3588289.9/48

Out: 9204.505+/-1.132 χ^2/NDF:4825081.7/55

All: 9326.147+/-0.822 χ^2/NDF: 8437805.8/10

asym_atr2_mean vs Slug, Sign Corrected



Right In: 4021.931+/-2716.546 χ^2/NDF: 31.2/25

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

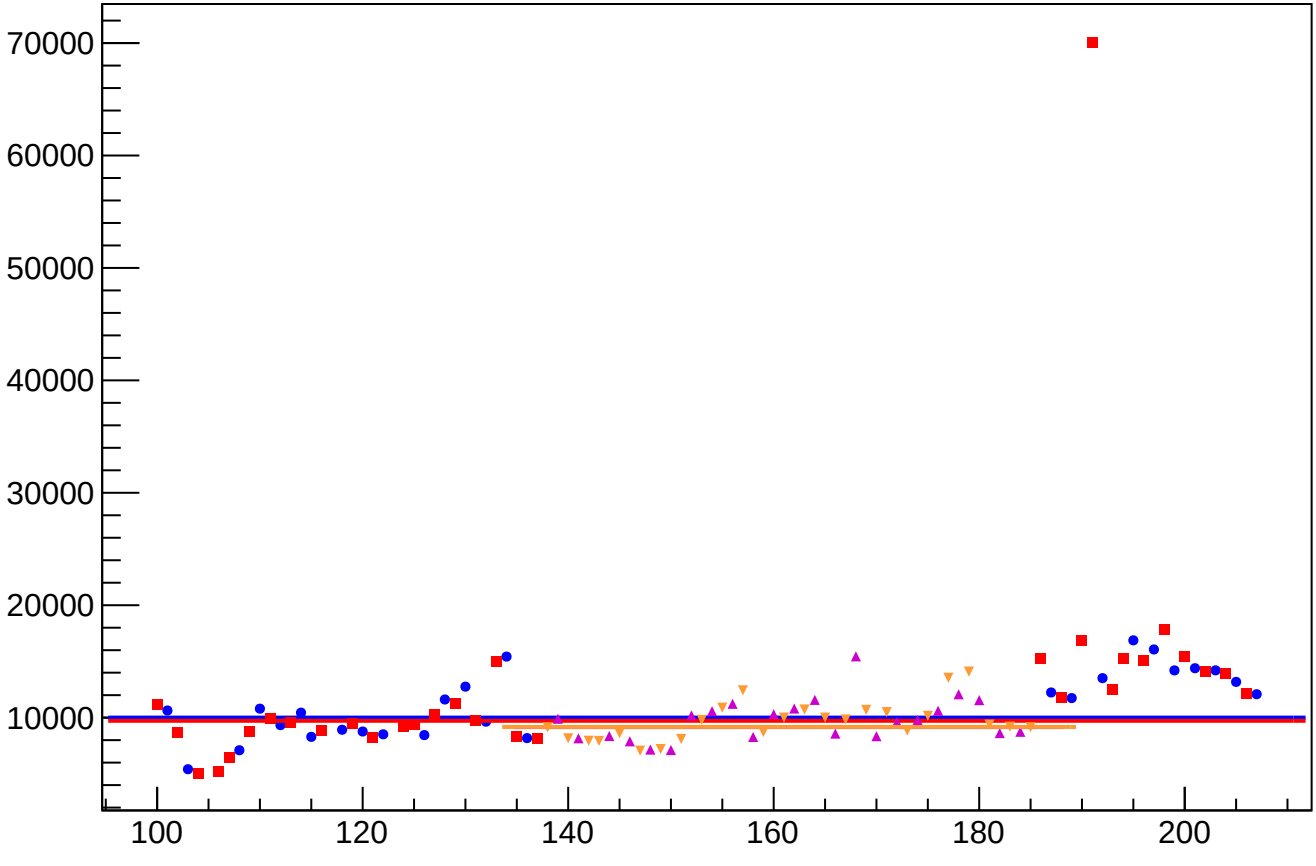
Right: 5160.205+/-1870.398 χ^2/NDF: 55.6/56

In: 3542.422+/-1700.153 χ^2/NDF:44.8/48

Out: 2677.704+/-1640.202 χ^2/NDF:53.5/55

All: 3094.548+/-1180.423 χ^2/NDF: 98.4/104

asym_atr2_rms vs Slug, Sign Corrected



Right In: 10003.189+/-1.921 χ^2/NDF: 2659237.7/25

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

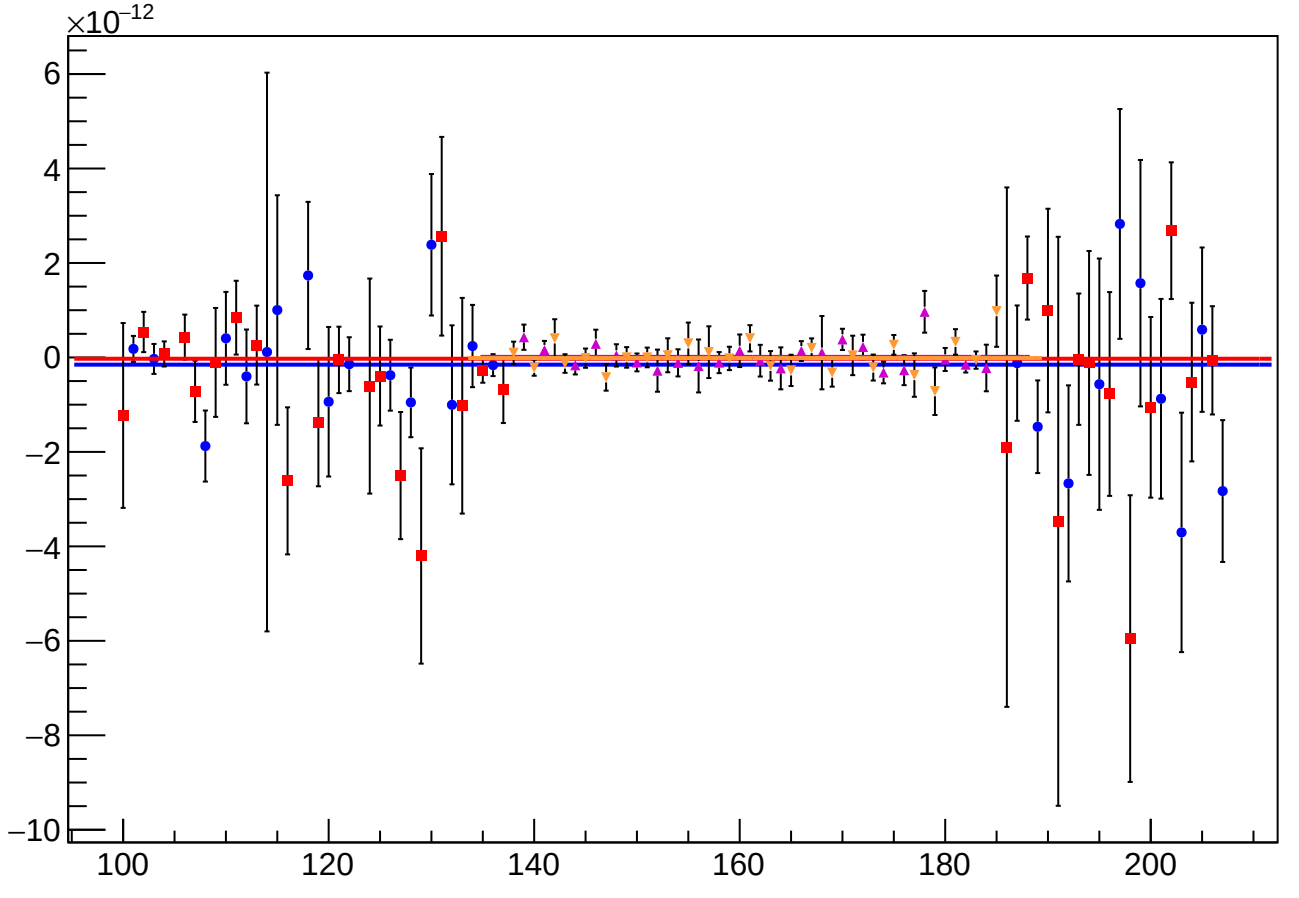
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9854.278+/-1.323 χ^2/NDF: 6247796.4/56

In: 9491.653+/-1.202 χ^2/NDF:3903351.0/48

Out: 9394.160+/-1.160 χ^2/NDF:4687705.6/55

All: 9441.157+/-0.835 χ^2/NDF: 8594463.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/25

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

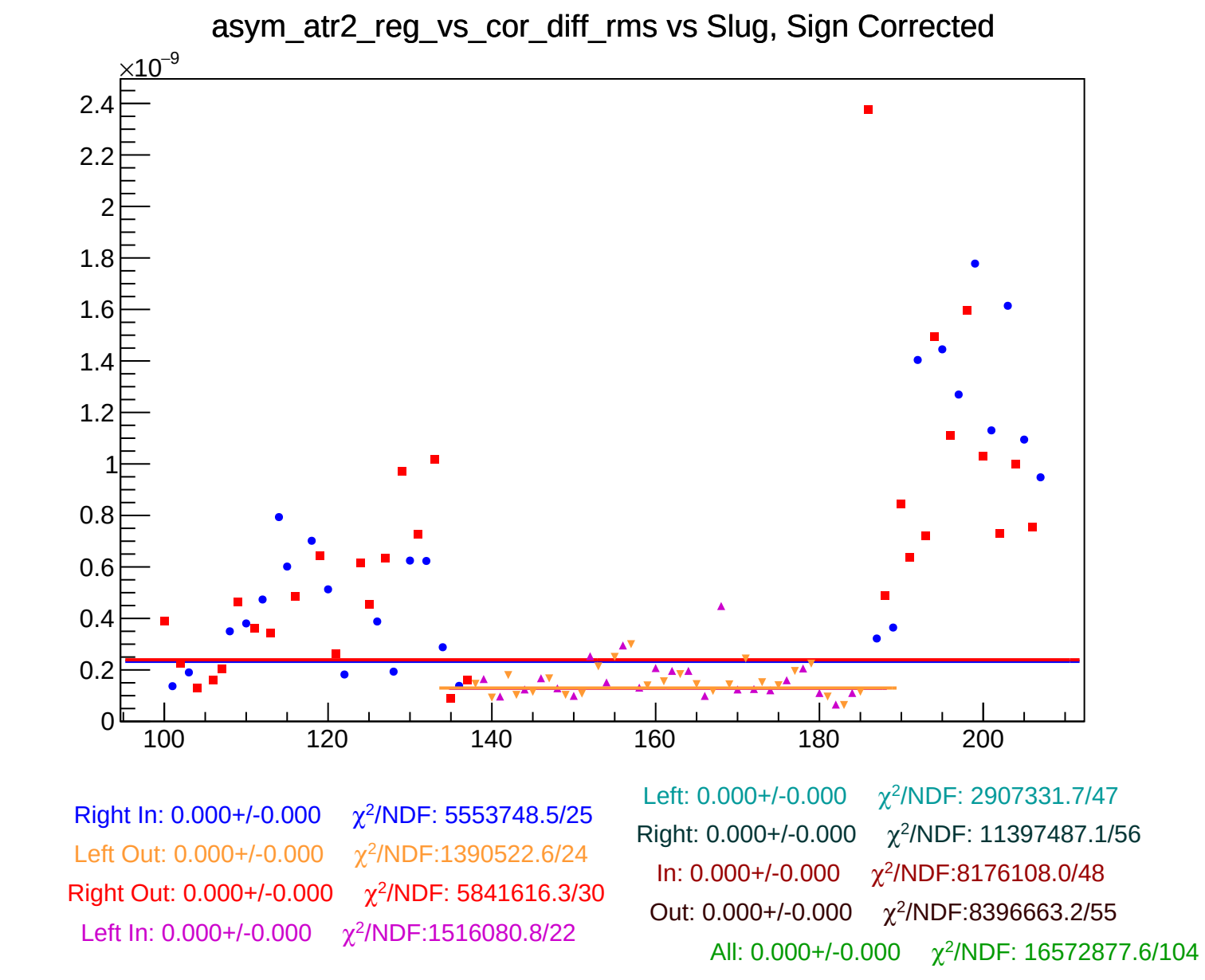
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

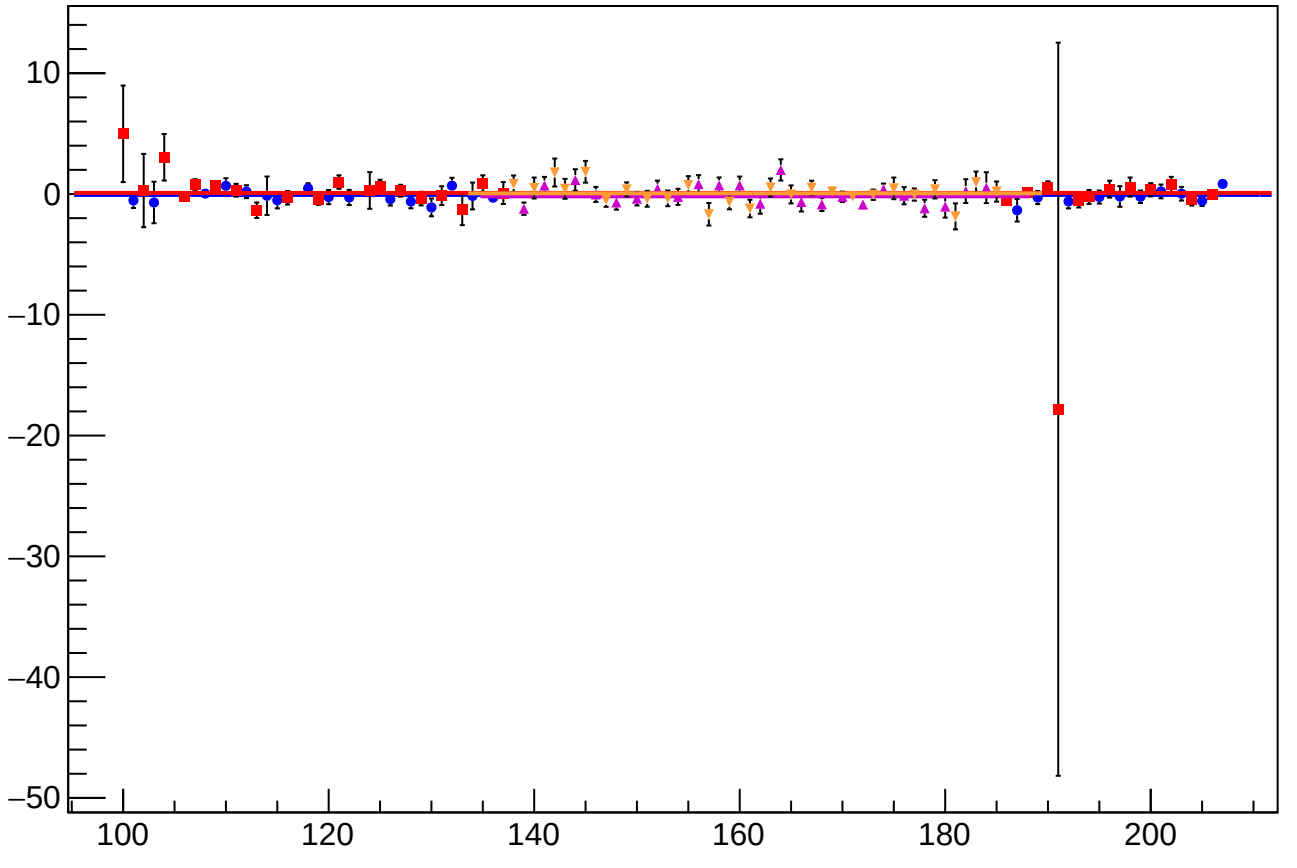
Right: -0.000+/-0.000 χ^2/NDF: 56.9/56

In: -0.000+/-0.000 χ^2/NDF:45.0/48

Out: -0.000+/-0.000 χ^2/NDF:51.4/55

All: -0.000+/-0.000 χ^2/NDF: 96.4/104


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: 5553748.5/25
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: 11397487.1/56
In: 0.000+/-0.000 χ²/NDF:8176108.0/48
Out: 0.000+/-0.000 χ²/NDF:8396663.2/55
All: 0.000+/-0.000 χ²/NDF: 16572877.6/104



Right In: -0.078+/-0.109 χ^2/NDF: 21.7/25

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

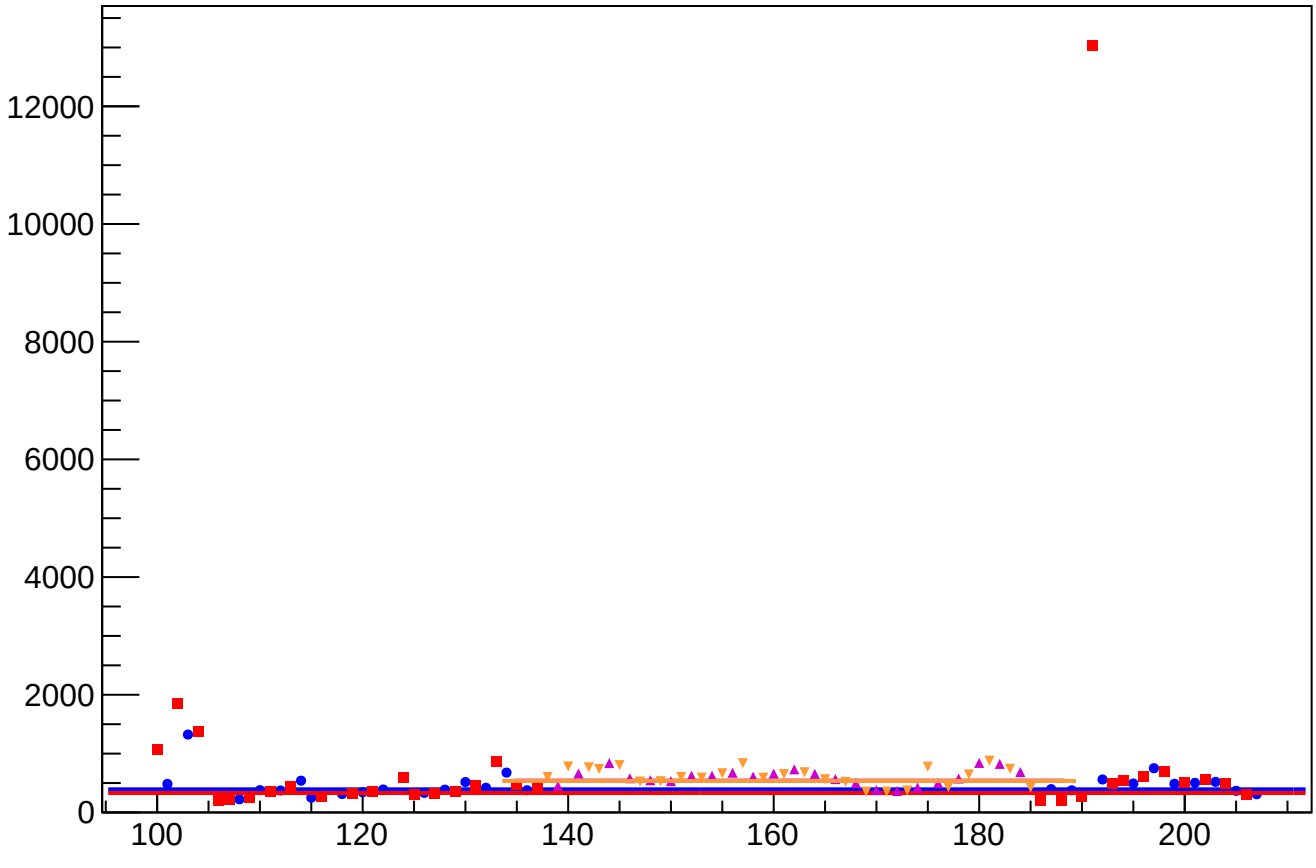
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.016+/-0.071 χ^2/NDF: 57.0/56

In: -0.124+/-0.084 χ^2/NDF:53.2/48

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.014+/-0.056 χ^2/NDF: 115.1/104



Right In: 393.000+/-0.077 χ^2/NDF: 2424612.7/25

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

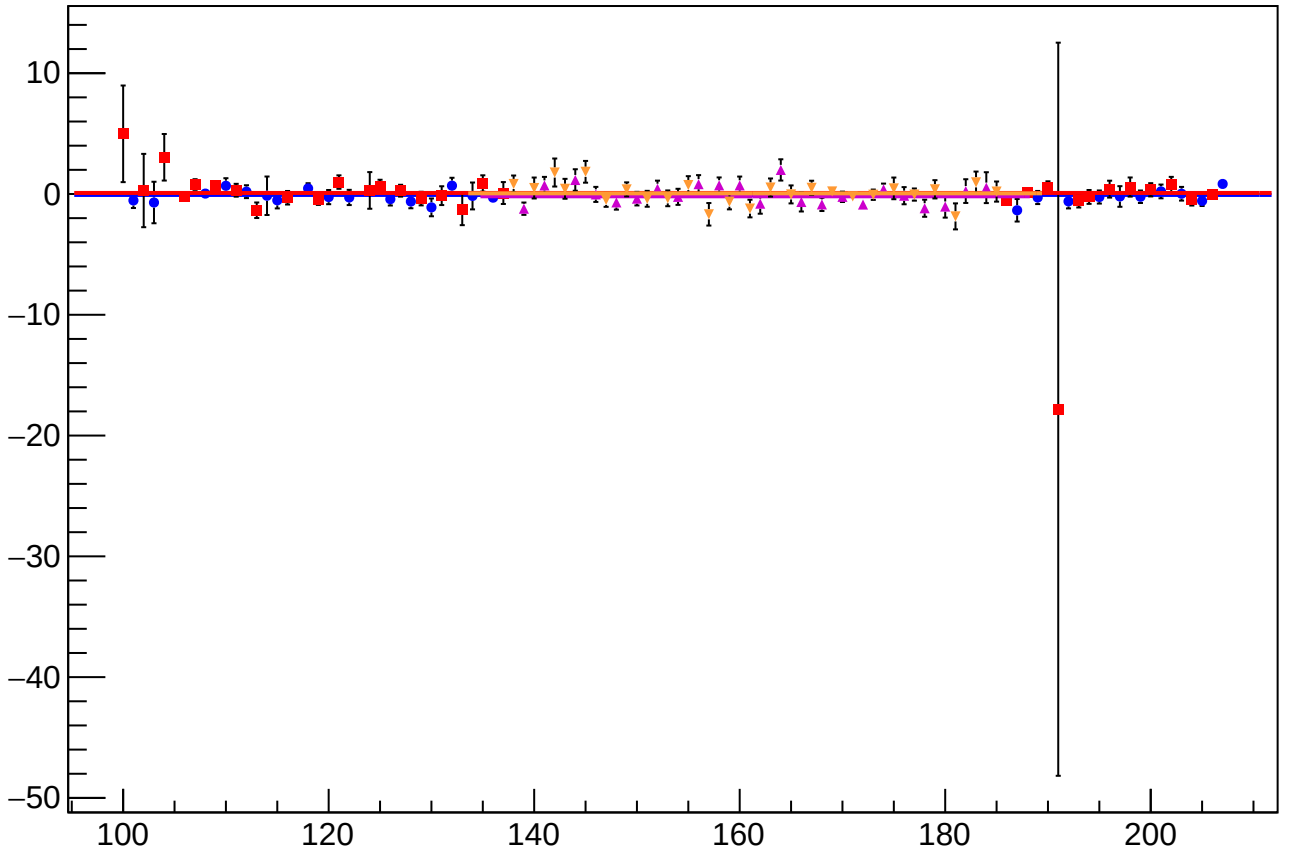
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 356.753+/-0.050 χ^2/NDF: 8276283.0/56

In: 452.248+/-0.060 χ^2/NDF:5806512.2/48

Out: 400.443+/-0.054 χ^2/NDF:11542511.4/55

All: 423.565+/-0.040 χ^2/NDF: 17767297.8/10



Right In: -0.078+/-0.109 χ^2/NDF: 21.7/25

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

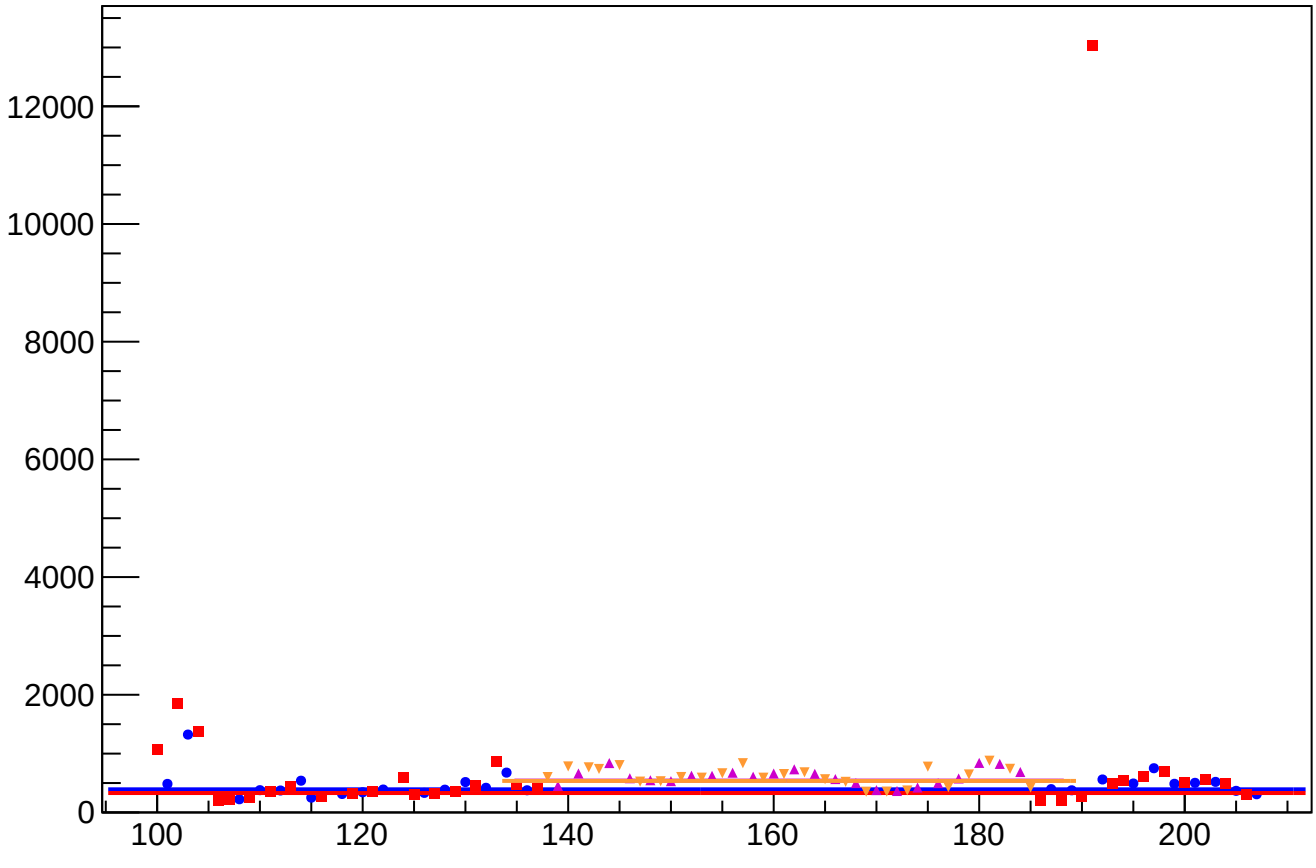
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.016+/-0.071 χ^2/NDF: 57.0/56

In: -0.124+/-0.084 χ^2/NDF:53.2/48

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.014+/-0.056 χ^2/NDF: 115.1/104



Right In: 393.000+/-0.077 χ^2/NDF: 2424612.7/25

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

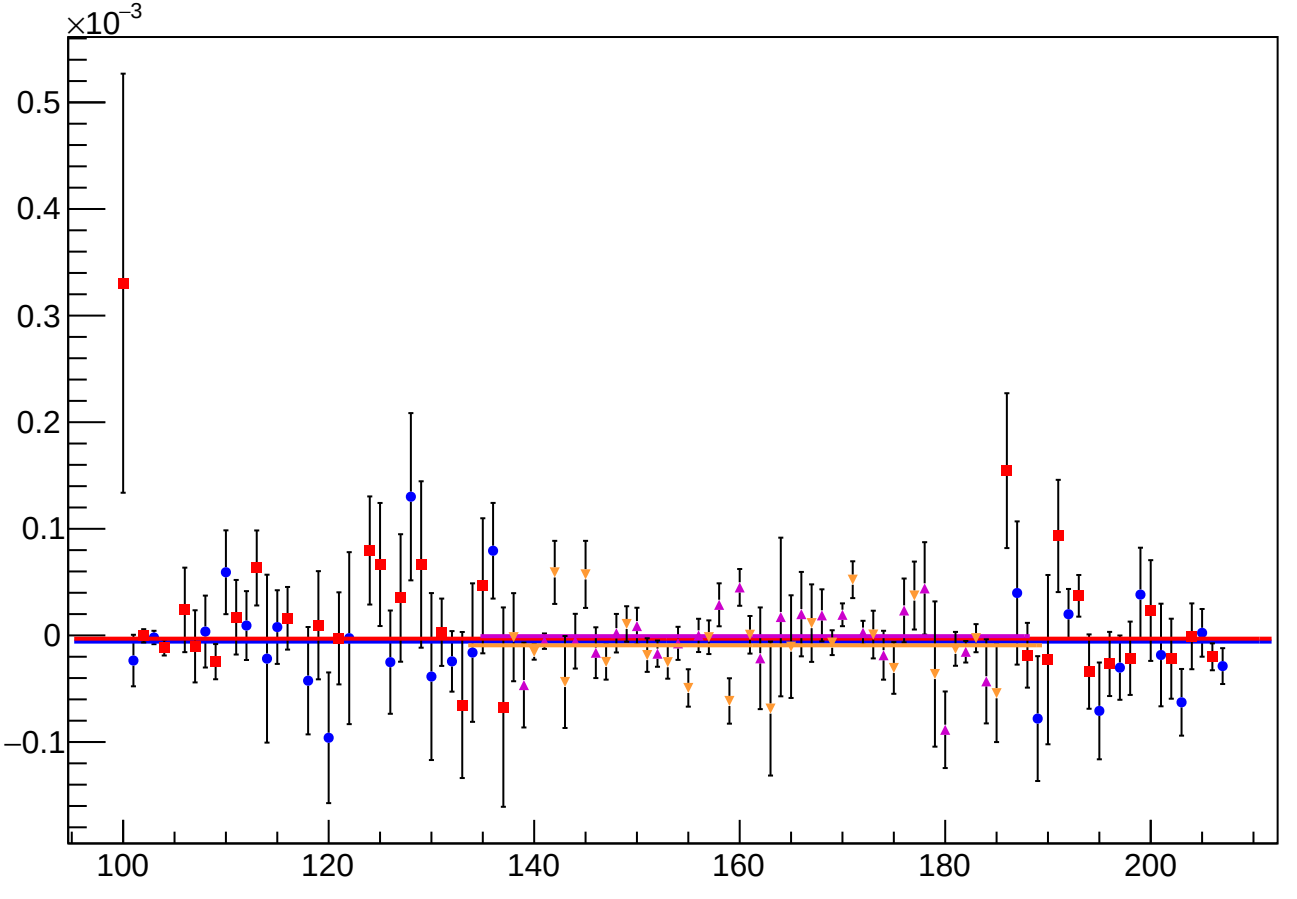
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 356.753+/-0.050 χ^2/NDF: 8276283.0/56

In: 452.248+/-0.060 χ^2/NDF:5806512.2/48

Out: 400.443+/-0.054 χ^2/NDF:11542511.4/55

All: 423.565+/-0.040 χ^2/NDF: 17767297.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/25

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

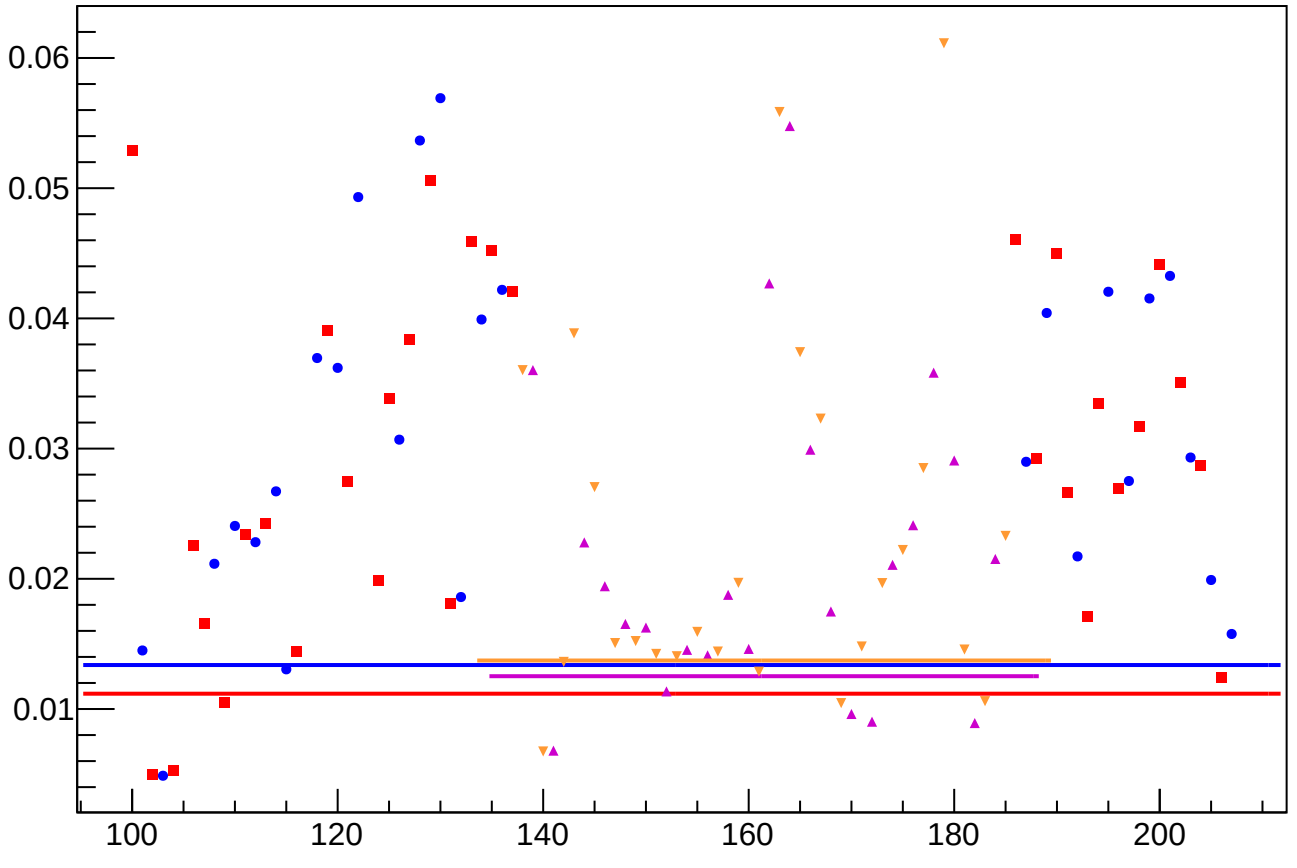
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

Right: -0.000+/-0.000 χ^2/NDF: 61.6/56

In: -0.000+/-0.000 χ^2/NDF:57.3/48

Out: -0.000+/-0.000 χ^2/NDF:81.5/55

All: -0.000+/-0.000 χ^2/NDF: 139.8/104



Right In: 0.013+/-0.000 χ^2/NDF: 12246034.9/25

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

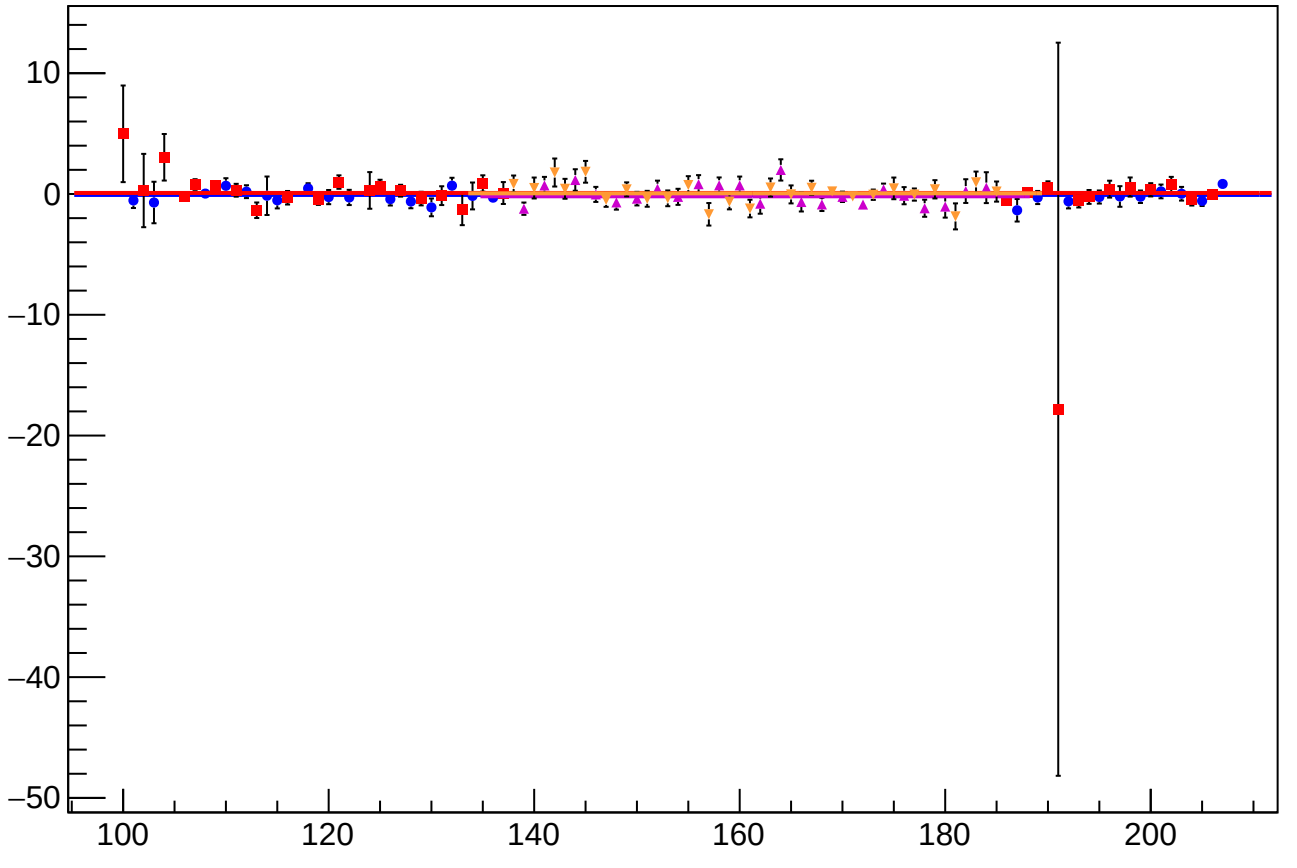
Left: 0.013+/-0.000 χ^2/NDF: 14955984.5/47

Right: 0.012+/-0.000 χ^2/NDF: 26627448.9/56

In: 0.013+/-0.000 χ^2/NDF:19411179.9/48

Out: 0.012+/-0.000 χ^2/NDF:22311374.5/55

All: 0.013+/-0.000 χ^2/NDF: 41736968.5/104



Right In: -0.078+/-0.109 χ^2/NDF: 21.7/25

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

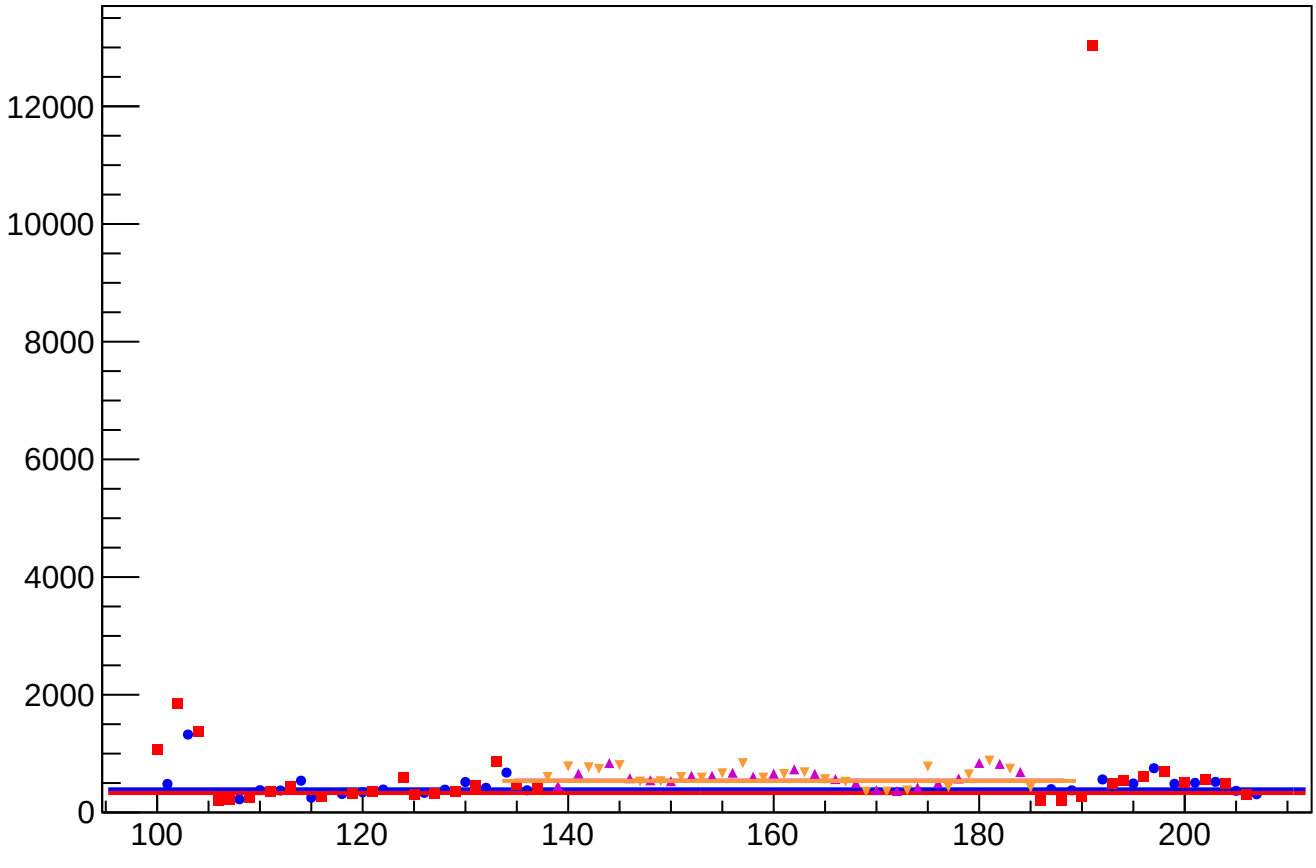
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.016+/-0.071 χ^2/NDF: 57.0/56

In: -0.124+/-0.084 χ^2/NDF:53.2/48

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.014+/-0.056 χ^2/NDF: 115.1/104



Right In: 392.998+/-0.077 χ^2/NDF: 2424643.8/25

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

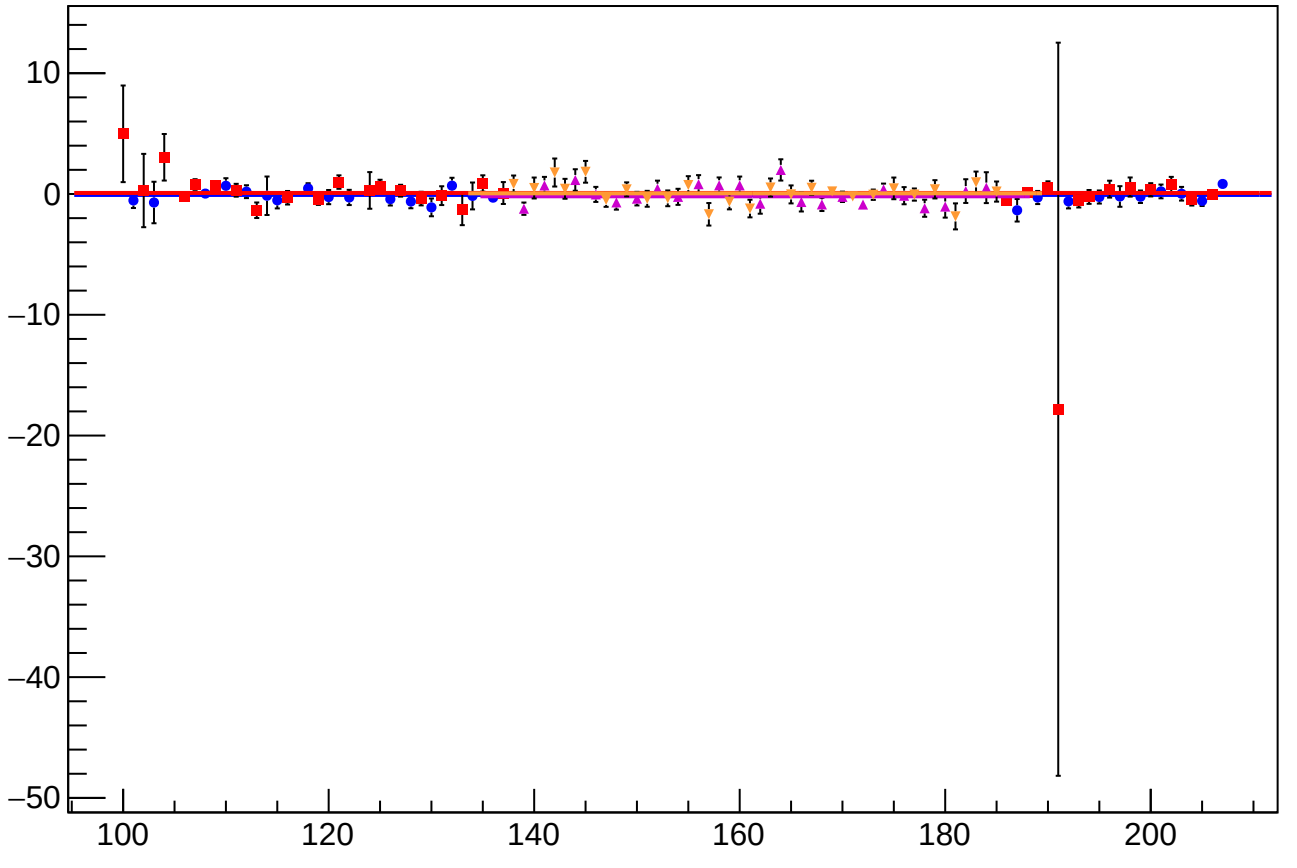
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 356.753+/-0.050 χ^2/NDF: 8276263.3/56

In: 452.248+/-0.060 χ^2/NDF:5806725.7/48

Out: 400.444+/-0.054 χ^2/NDF:11542674.9/55

All: 423.565+/-0.040 χ^2/NDF: 17767649.2/10



Right In: -0.078+/-0.109 χ^2/NDF: 21.7/25

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

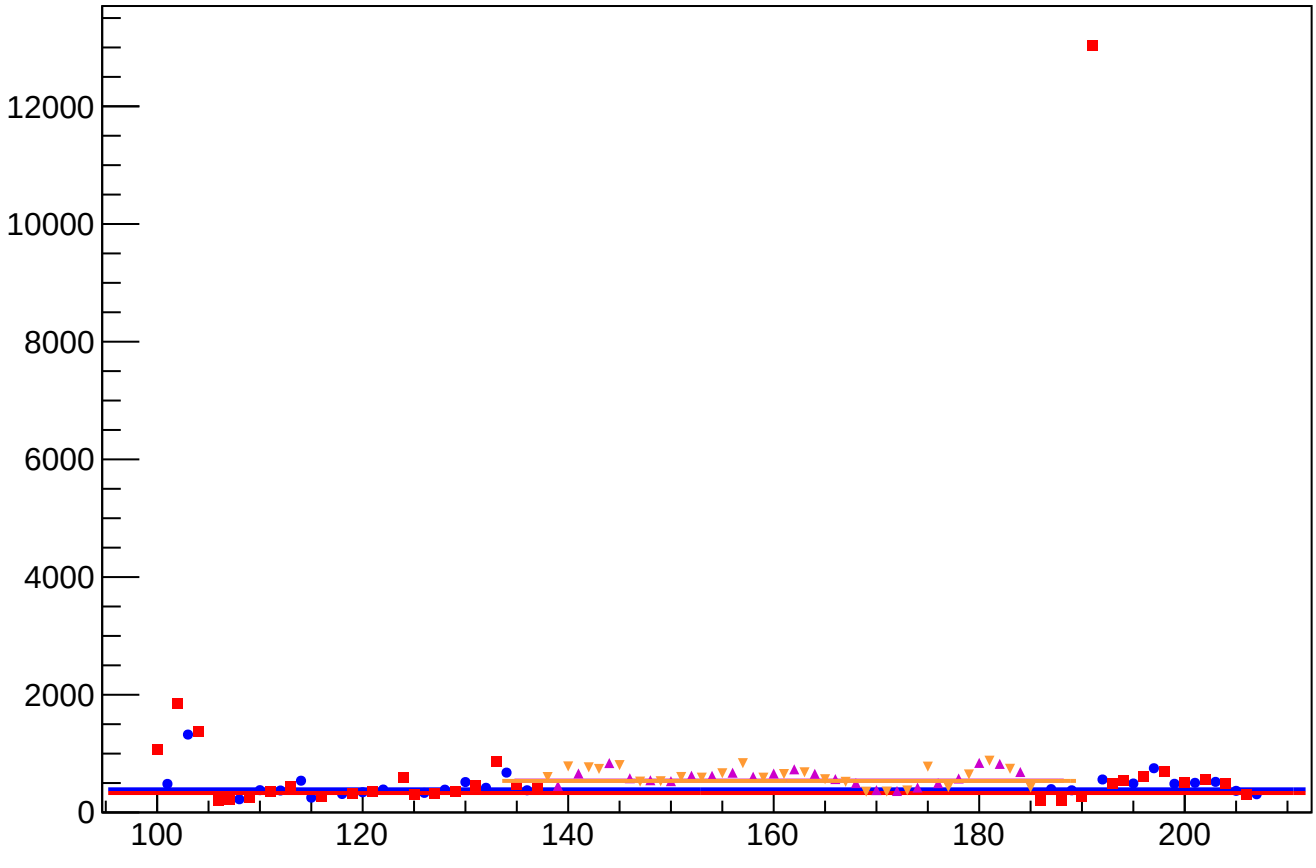
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: 0.016+/-0.071 χ^2/NDF: 57.0/56

In: -0.124+/-0.084 χ^2/NDF:53.2/48

Out: 0.075+/-0.076 χ^2/NDF:58.8/55

All: -0.014+/-0.056 χ^2/NDF: 115.1/104



Right In: 392.998+/-0.077 χ^2/NDF: 2424643.8/25

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

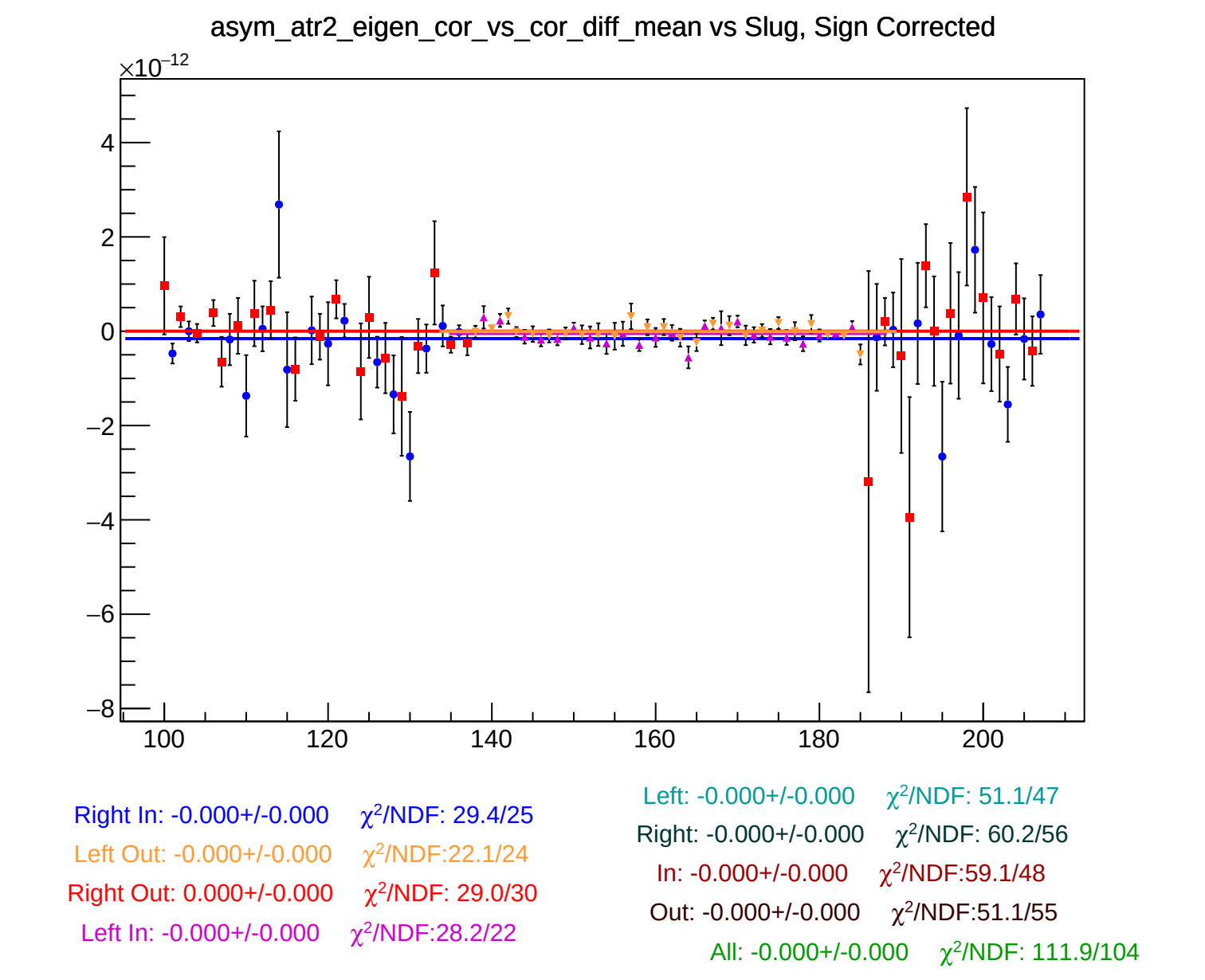
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

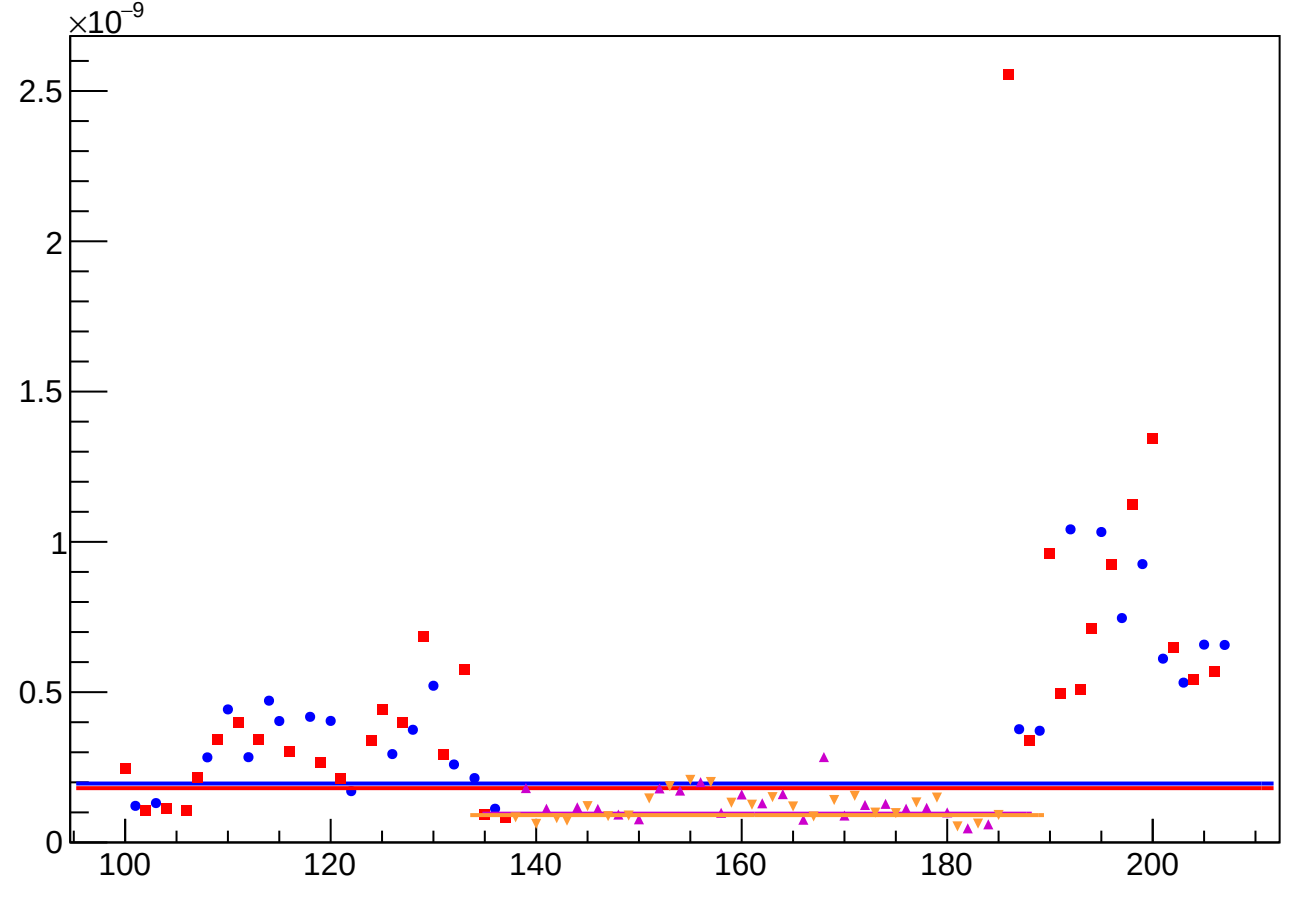
Right: 356.753+/-0.050 χ^2/NDF: 8276263.3/56

In: 452.248+/-0.060 χ^2/NDF:5806725.7/48

Out: 400.444+/-0.054 χ^2/NDF:11542674.9/55

All: 423.565+/-0.040 χ^2/NDF: 17767649.2/10


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: 29.4/25
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: 60.2/56
In: -0.000+/-0.000 χ²/NDF:59.1/48
Out: -0.000+/-0.000 χ²/NDF:51.1/55
All: -0.000+/-0.000 χ²/NDF: 111.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 6682723.2/25

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

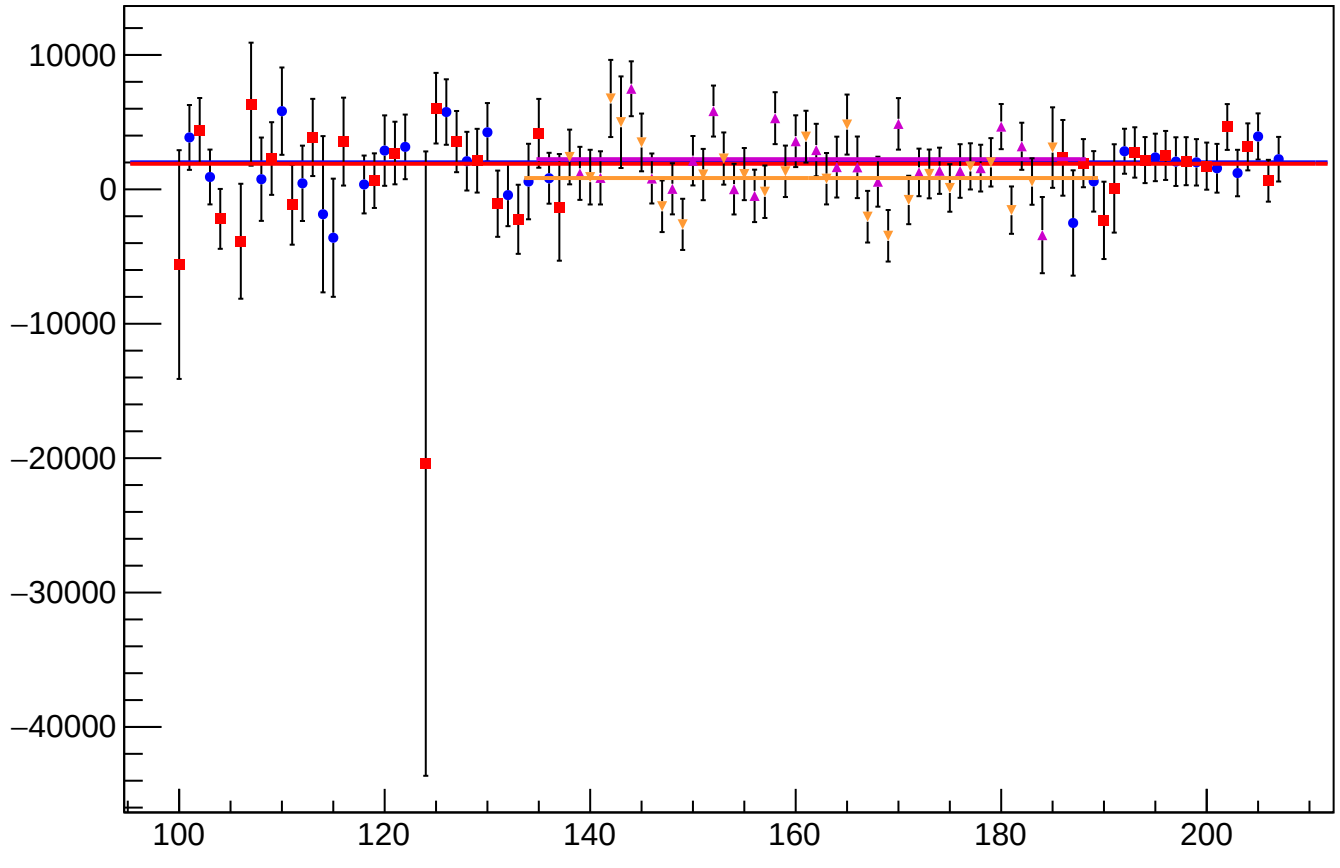
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14893583.1/56

In: 0.000+/-0.000 χ^2/NDF:13121331.7/48

Out: 0.000+/-0.000 χ^2/NDF:13776766.6/55

All: 0.000+/-0.000 χ^2/NDF: 26949038.2/104



Right In: 2010.123+/-428.079 χ^2/NDF: 14.5/25

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

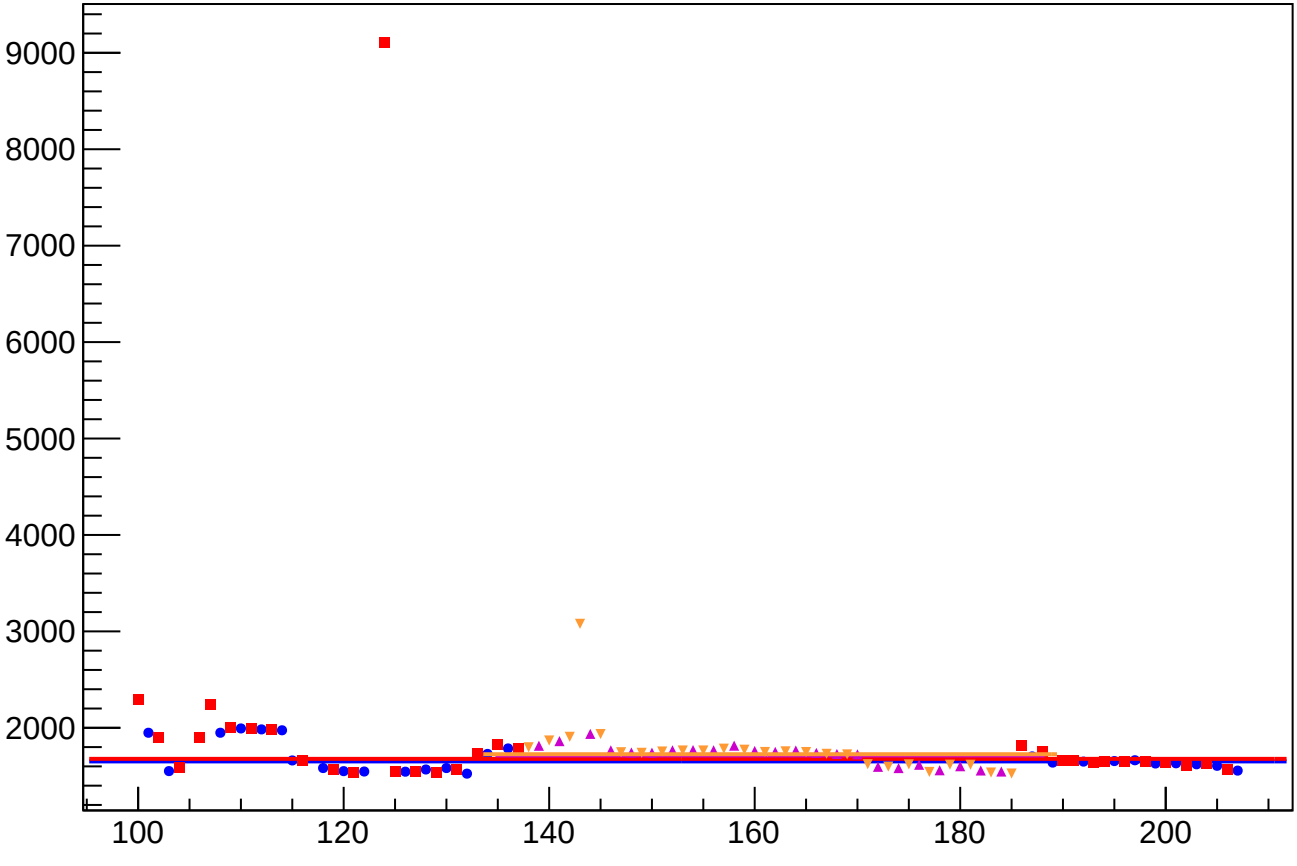
Right: 1955.953+/-299.049 χ^2/NDF: 40.7/56

In: 2135.319+/-292.559 χ^2/NDF:44.0/48

Out: 1342.234+/-286.861 χ^2/NDF:60.0/55

All: 1730.978+/-204.826 χ^2/NDF: 107.8/104

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.583+/-0.303 χ^2/NDF: 154840.3/25

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

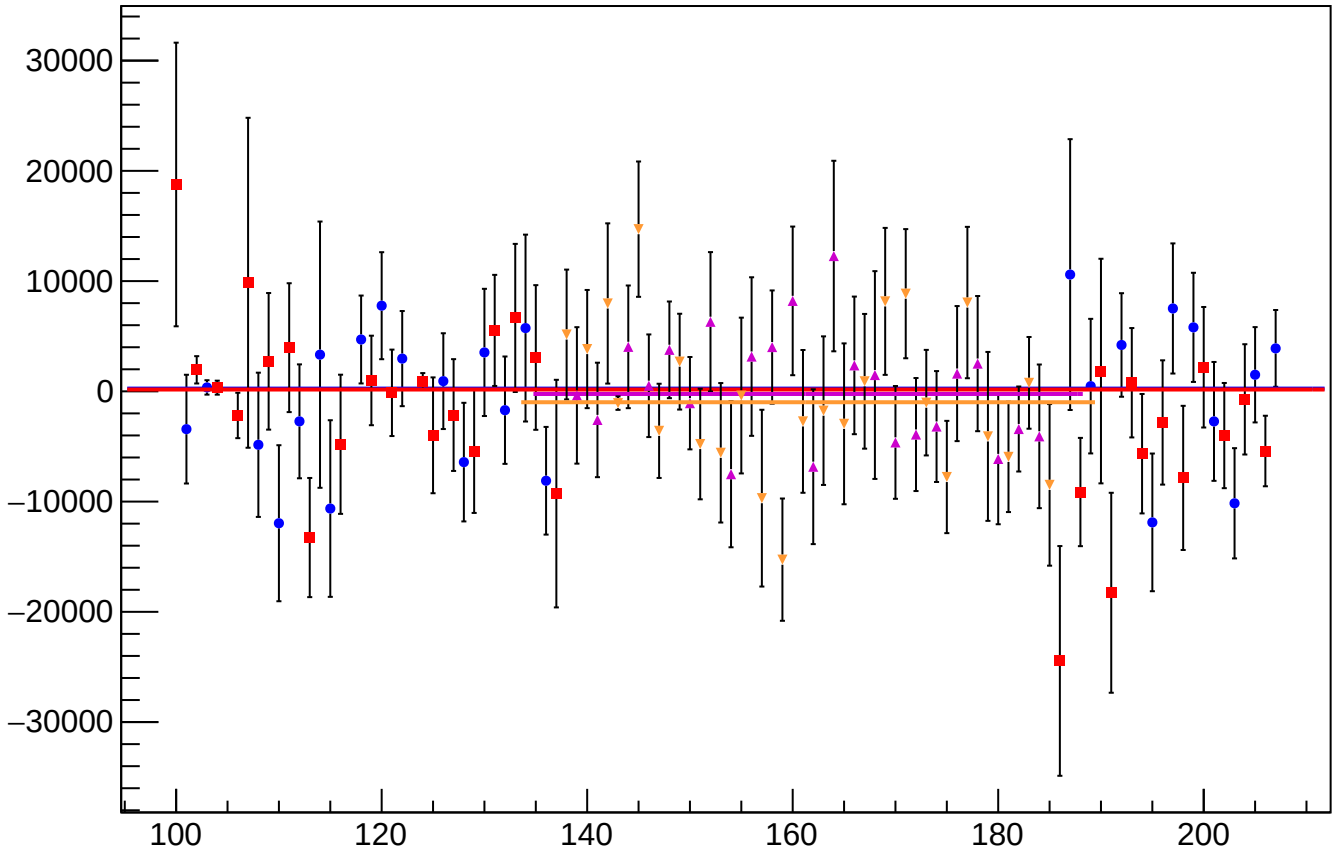
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1665.090+/-0.211 χ^2/NDF: 576532.6/56

In: 1684.397+/-0.207 χ^2/NDF:306182.0/48

Out: 1703.329+/-0.203 χ^2/NDF:886808.2/55

All: 1694.058+/-0.145 χ^2/NDF: 1197264.1/10



Right In: 248.119+/-555.424 χ^2/NDF: 29.6/25

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

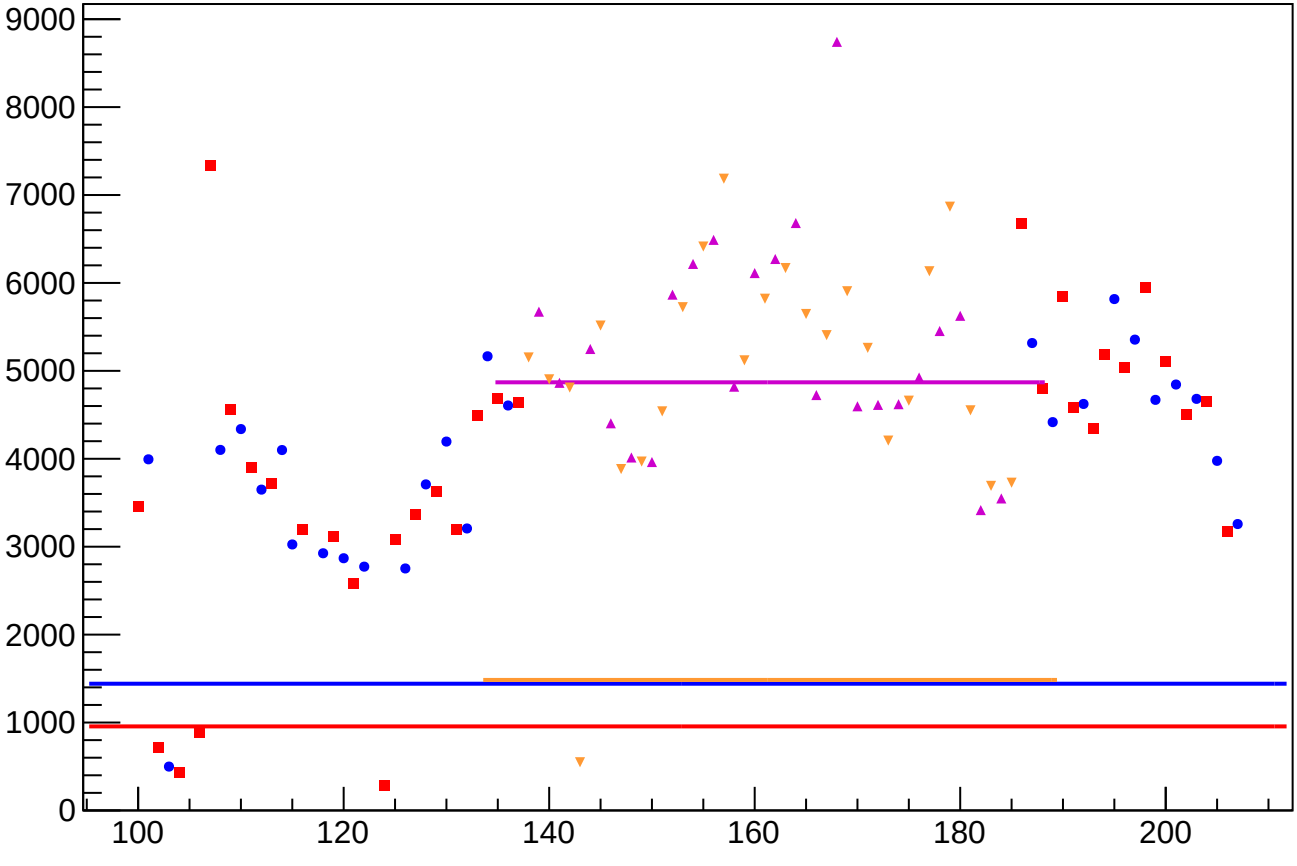
Right: 194.456+/-329.678 χ^2/NDF: 69.1/56

In: 157.802+/-501.364 χ^2/NDF:43.3/48

Out: -254.616+/-326.639 χ^2/NDF:73.2/55

All: -131.725+/-273.680 χ^2/NDF: 117.0/104

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1441.505+/-0.393 χ^2/NDF: 16191632.0/25

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

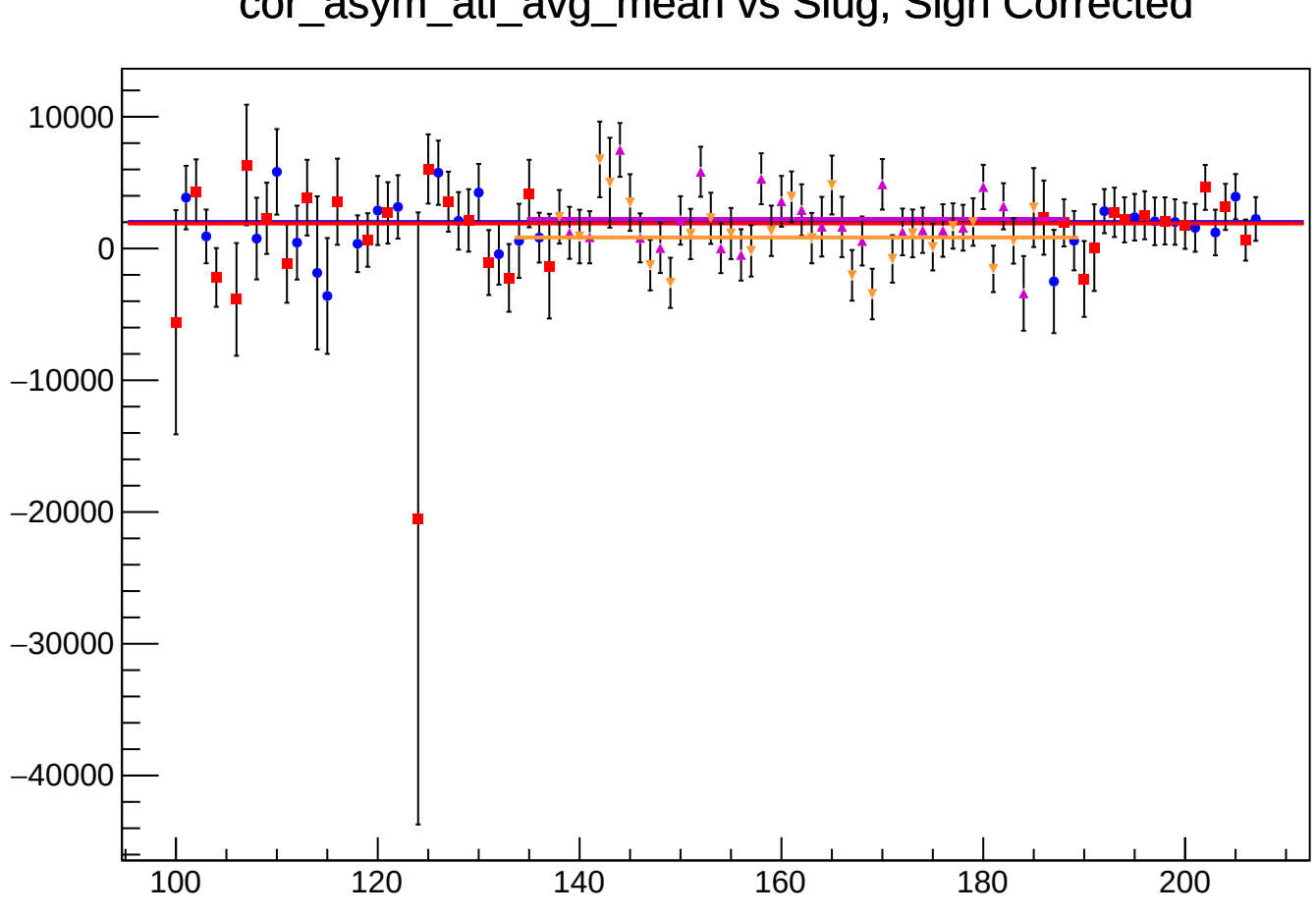
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1127.059+/-0.233 χ^2/NDF: 37895636.0/56

In: 2076.376+/-0.355 χ^2/NDF:31776026.7/48

Out: 1148.511+/-0.231 χ^2/NDF:45151862.0/55

All: 1424.993+/-0.194 χ^2/NDF: 81736790.6/1



Right In: 2010.169+/-428.079 χ^2/NDF: 14.5/25

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

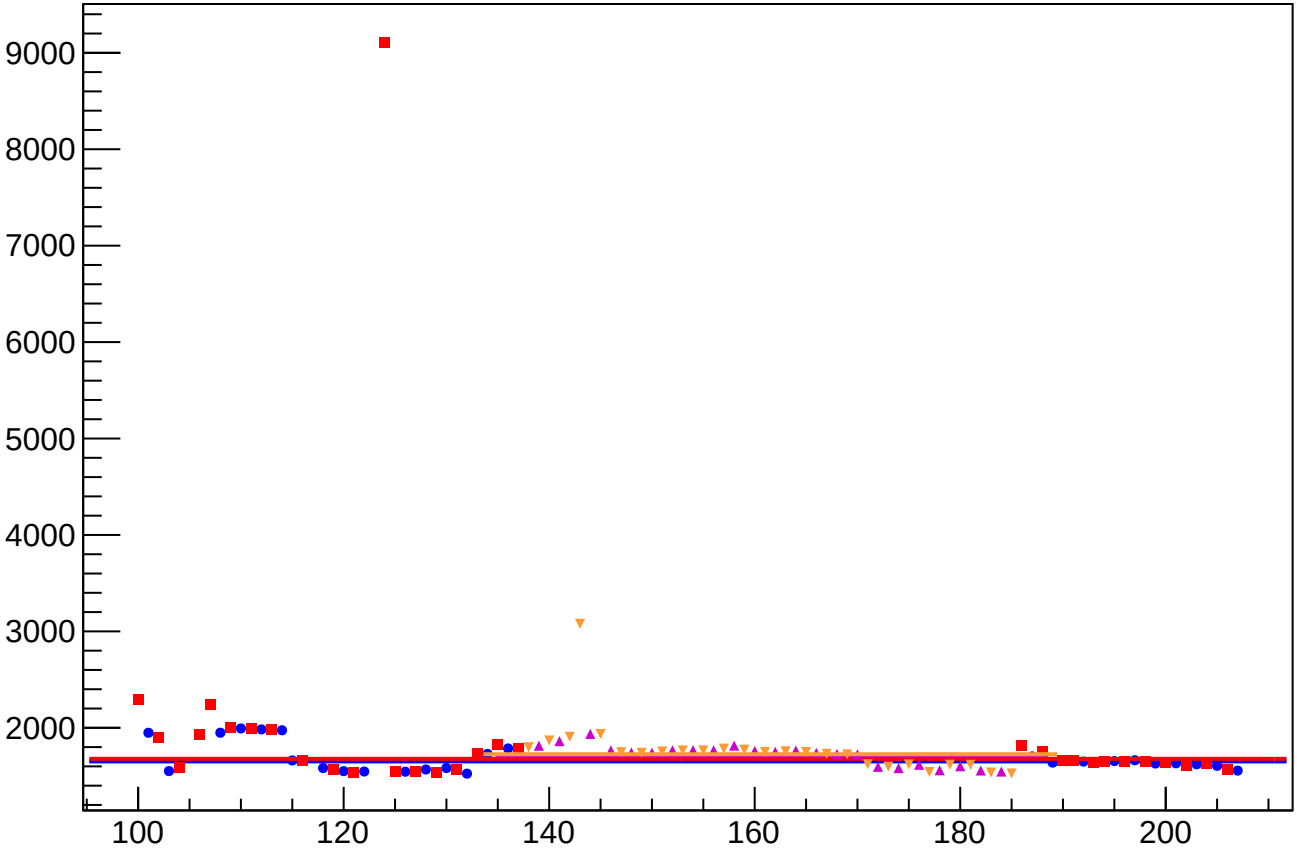
Right: 1955.445+/-299.049 χ^2/NDF: 40.7/56

In: 2135.351+/-292.559 χ^2/NDF:44.0/48

Out: 1341.740+/-286.862 χ^2/NDF:60.0/55

All: 1730.742+/-204.826 χ^2/NDF: 107.8/104

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1651.583+/-0.303 χ^2/NDF: 154840.3/25

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

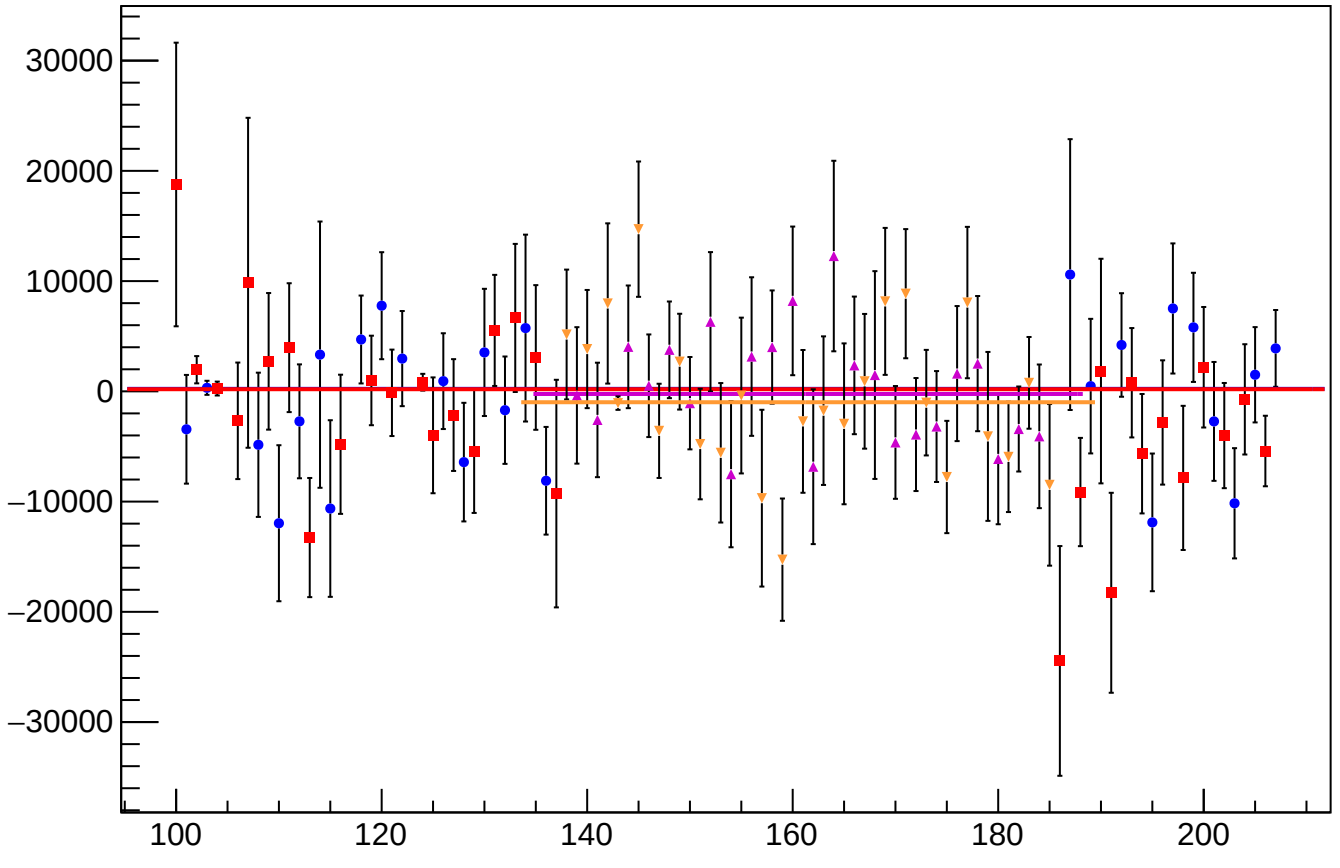
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1665.261+/-0.211 χ^2/NDF: 578699.1/56

In: 1684.397+/-0.207 χ^2/NDF:306182.1/48

Out: 1703.494+/-0.203 χ^2/NDF:888675.1/55

All: 1694.141+/-0.145 χ^2/NDF: 1199205.4/10



Right In: 225.975+/-545.249 χ^2/NDF: 29.6/25

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

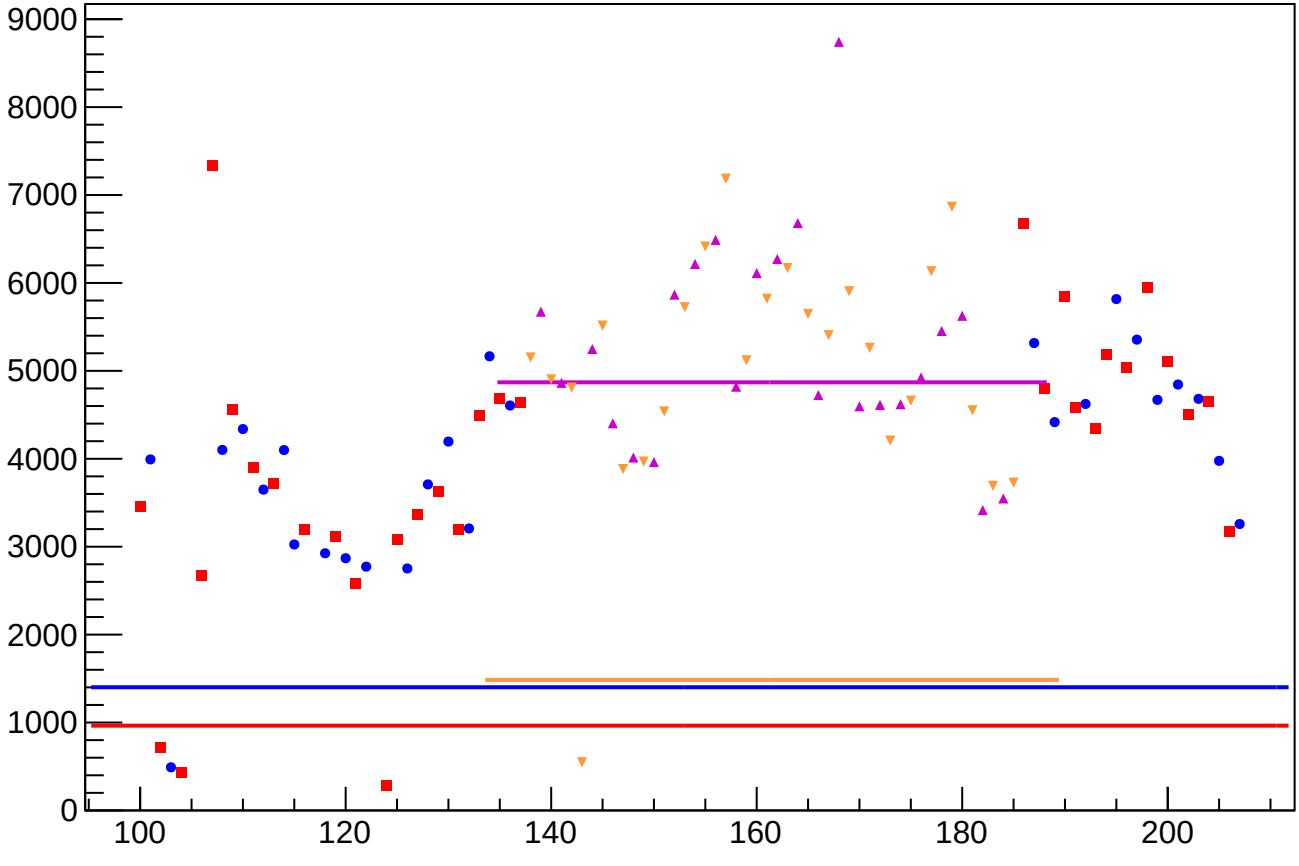
Right: 205.469+/-330.165 χ^2/NDF: 67.9/56

In: 142.344+/-493.842 χ^2/NDF:43.3/48

Out: -243.461+/-329.267 χ^2/NDF:72.1/55

All: -124.732+/-273.957 χ^2/NDF: 115.8/104

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1401.337+/-0.386 χ^2/NDF: 16473463.3/25

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

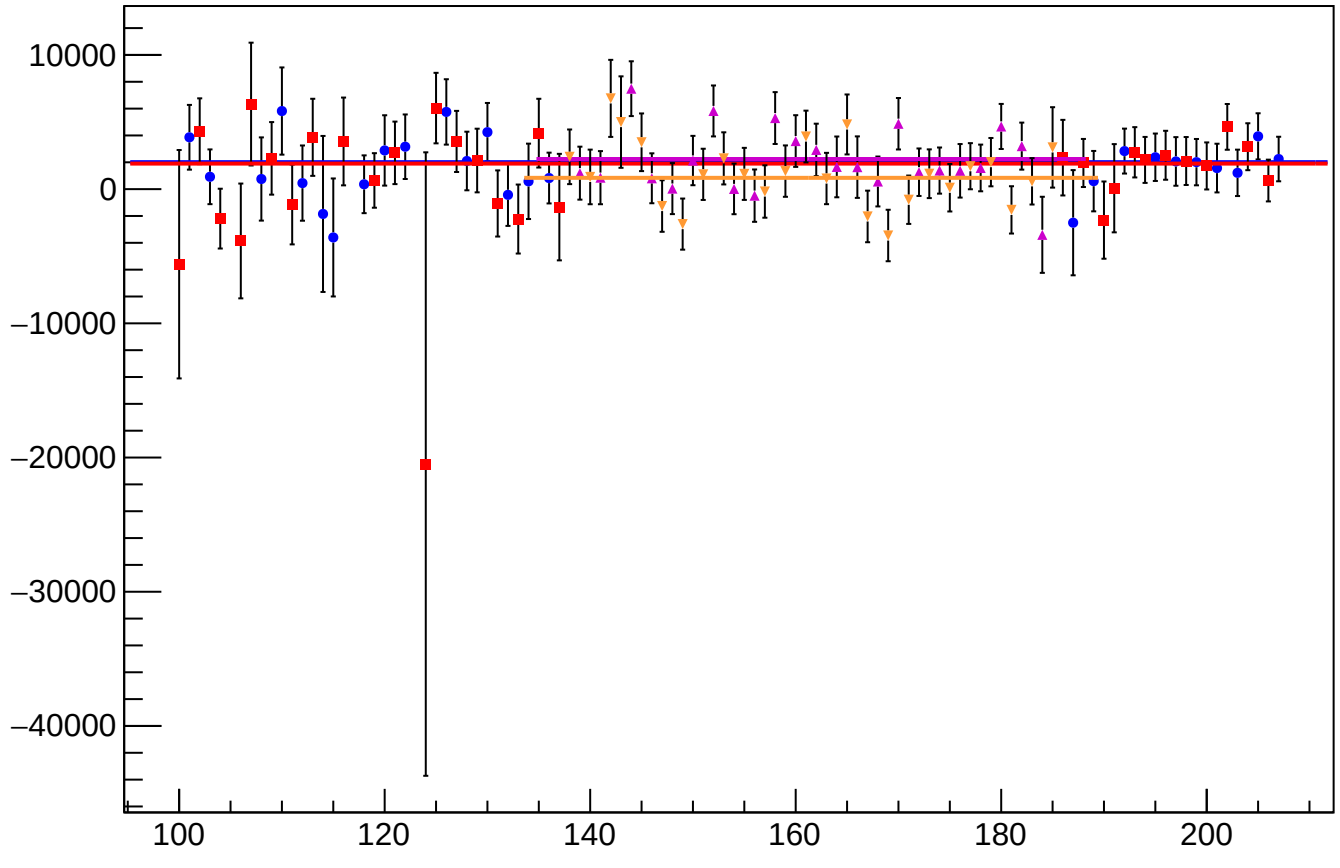
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1124.685+/-0.233 χ^2/NDF: 38247211.3/56

In: 2024.519+/-0.349 χ^2/NDF:32488198.3/48

Out: 1156.962+/-0.233 χ^2/NDF:45349078.7/55

All: 1423.947+/-0.194 χ^2/NDF: 82110123.8/1



Right In: 2010.169+/-428.079 χ^2/NDF: 14.5/25

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

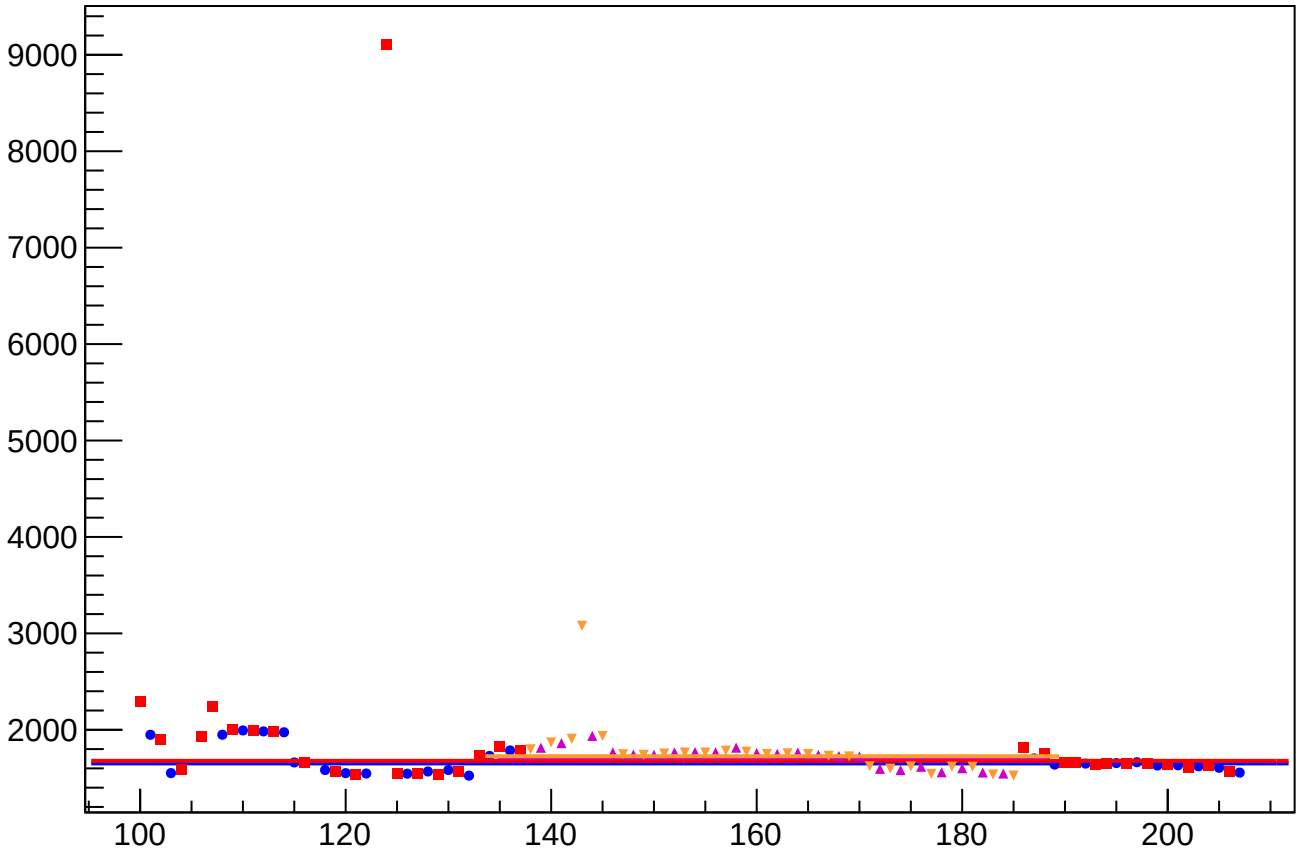
Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

Right: 1955.445+/-299.049 χ^2/NDF: 40.7/56

In: 2135.351+/-292.559 χ^2/NDF:44.0/48

Out: 1341.740+/-286.862 χ^2/NDF:60.0/55

All: 1730.742+/-204.826 χ^2/NDF: 107.8/104



Right In: 1651.583+/-0.303 χ^2/NDF: 154840.3/25

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

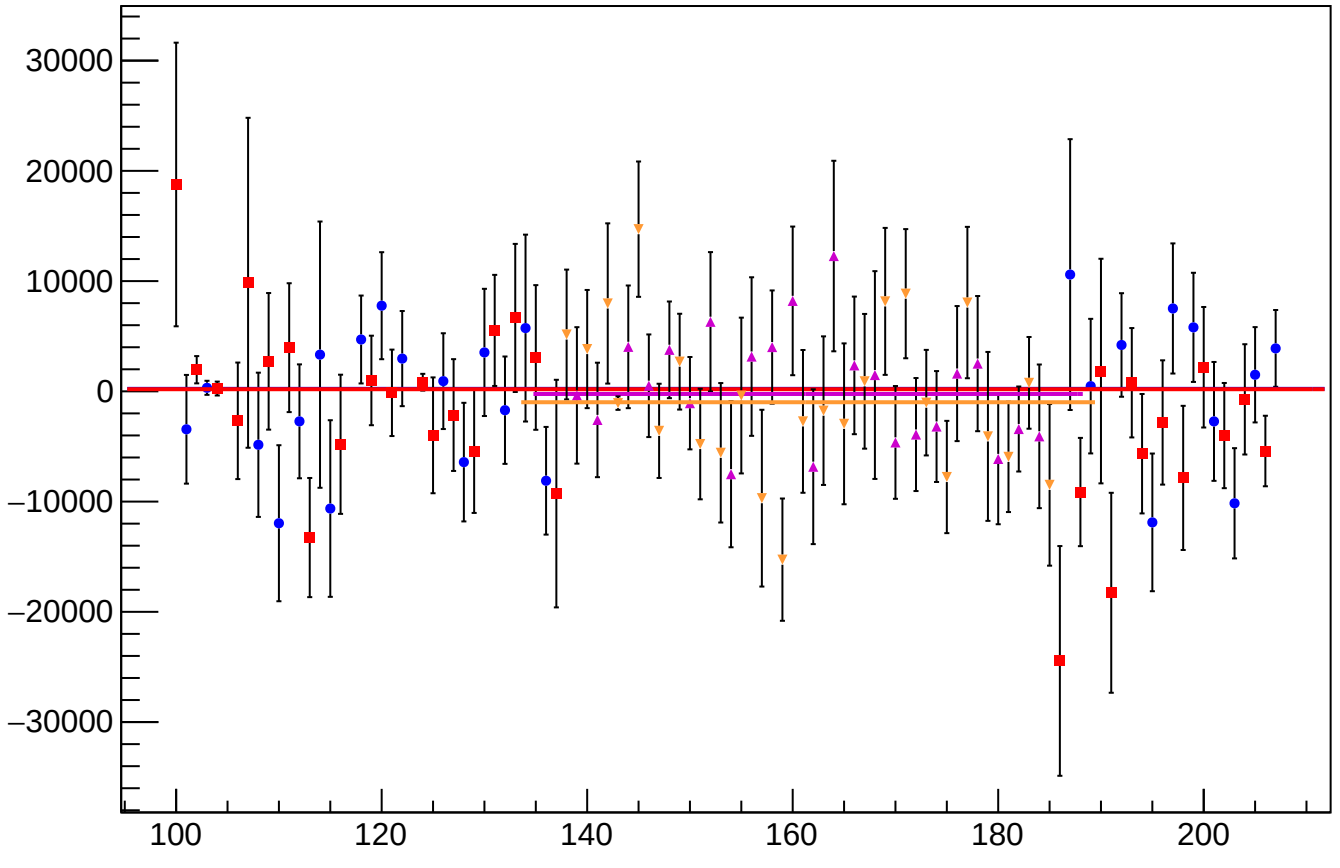
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1665.261+/-0.211 χ^2/NDF: 578699.1/56

In: 1684.397+/-0.207 χ^2/NDF:306182.1/48

Out: 1703.494+/-0.203 χ^2/NDF:888675.1/55

All: 1694.141+/-0.145 χ^2/NDF: 1199205.4/10



Right In: 225.975+/-545.249 χ^2/NDF: 29.6/25

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

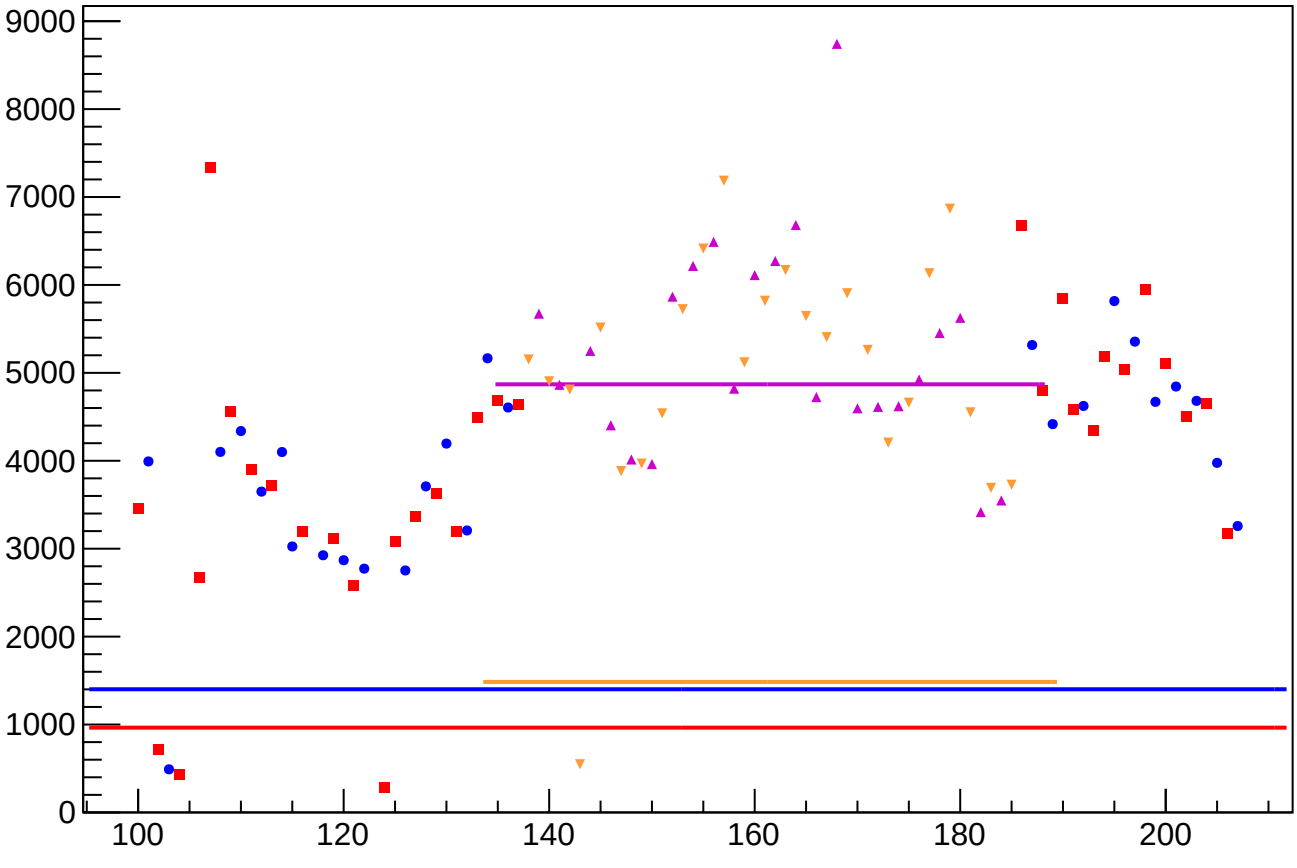
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 205.469+/-330.165 χ^2/NDF: 67.9/56

In: 142.344+/-493.842 χ^2/NDF:43.3/48

Out: -243.461+/-329.267 χ^2/NDF:72.1/55

All: -124.732+/-273.957 χ^2/NDF: 115.8/104



Right In: 1401.337+/-0.386 χ^2/NDF: 16473463.3/25

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

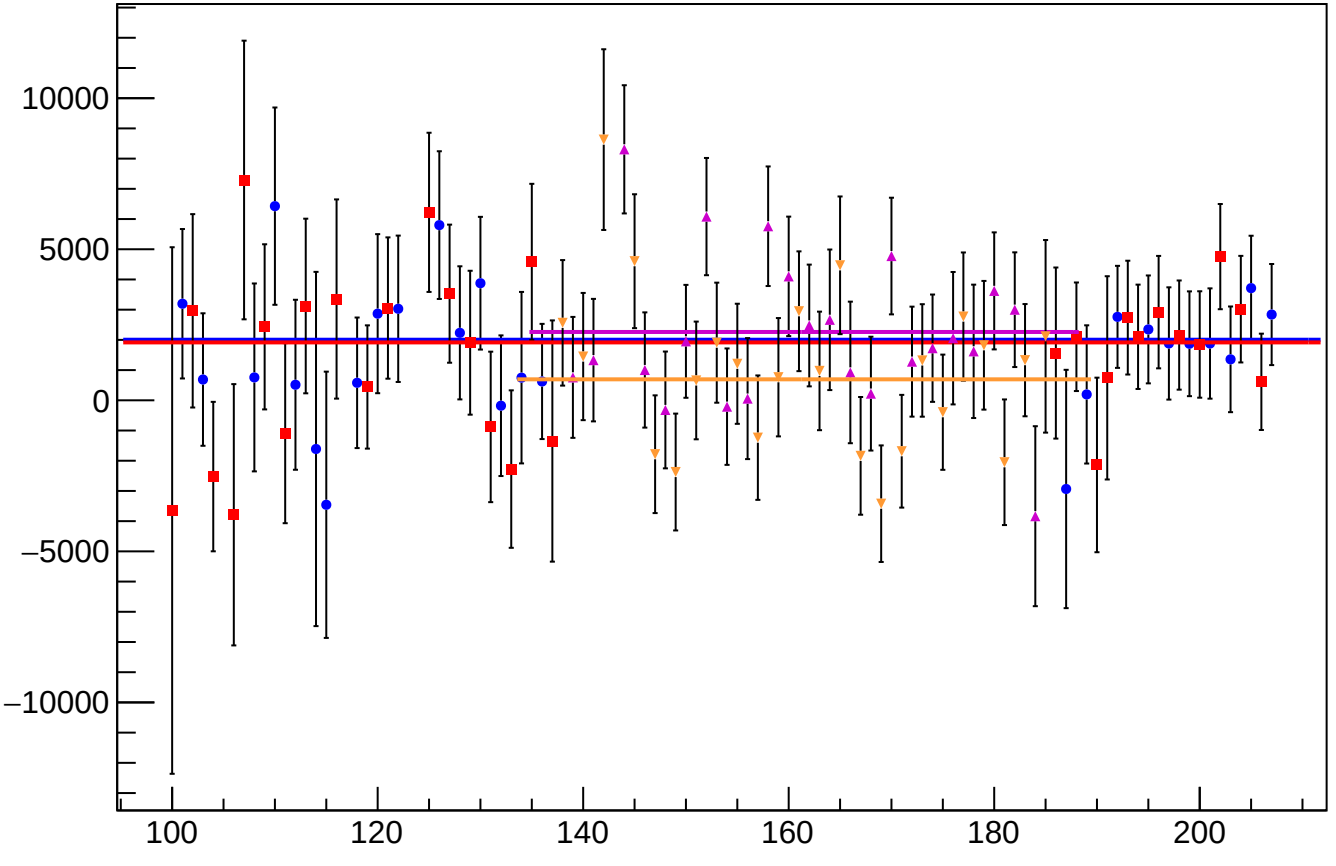
Right: 1124.685+/-0.233 χ^2/NDF: 38247211.3/56

In: 2024.519+/-0.349 χ^2/NDF:32488198.3/48

Out: 1156.962+/-0.233 χ^2/NDF:45349078.7/55

All: 1423.947+/-0.194 χ^2/NDF: 82110123.8/1

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 2005.323+/-433.260 χ^2/NDF: 14.1/25

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

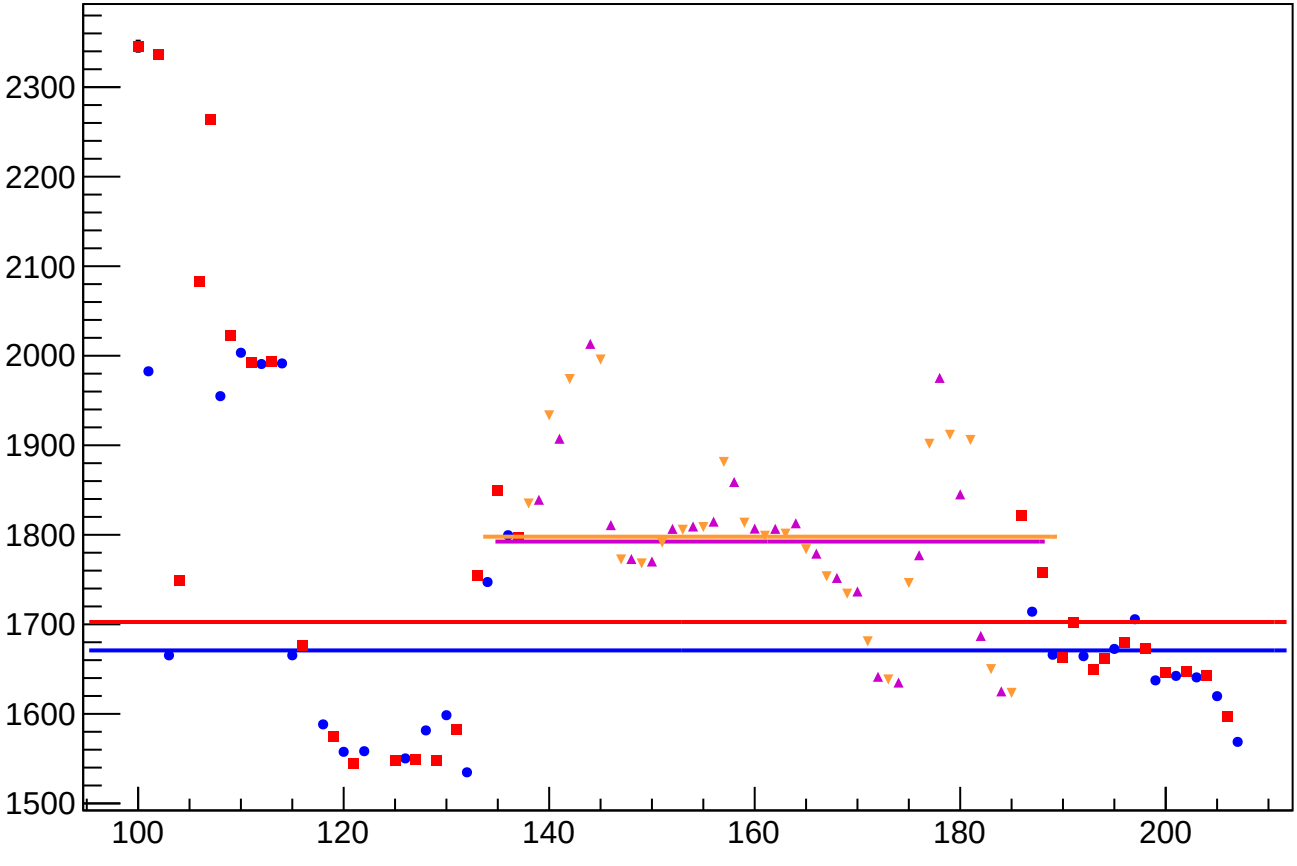
Right: 1960.188+/-303.757 χ^2/NDF: 38.2/55

In: 2137.781+/-301.258 χ^2/NDF:44.6/48

Out: 1293.945+/-298.373 χ^2/NDF:60.5/53

All: 1711.802+/-211.994 χ^2/NDF: 109.1/102

dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1670.878+/-0.306 χ^2/NDF: 151707.5/25

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

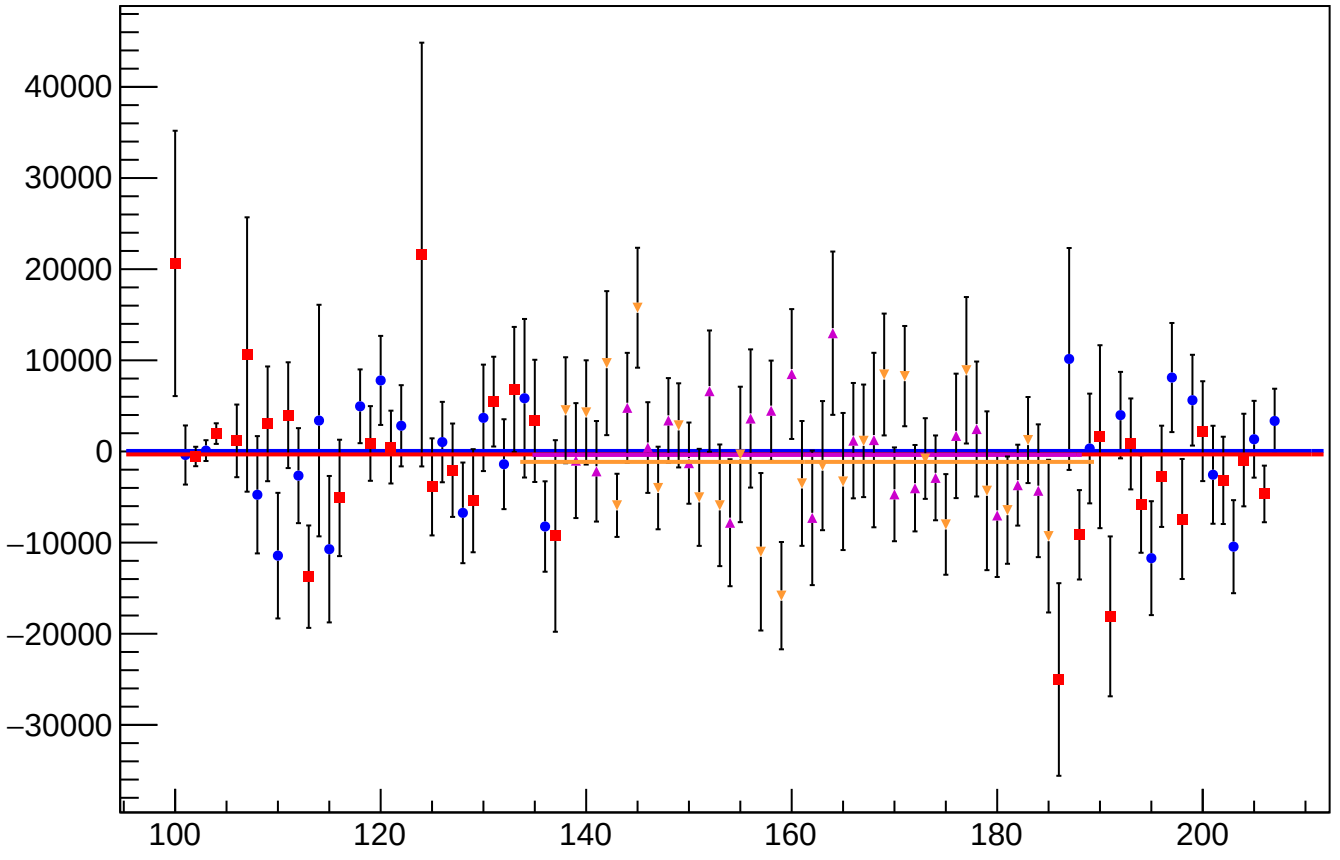
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1687.028+/-0.215 χ^2/NDF: 440945.7/55

In: 1733.672+/-0.213 χ^2/NDF:325920.1/48

Out: 1751.111+/-0.211 χ^2/NDF:432817.3/53

All: 1742.479+/-0.150 χ^2/NDF: 762122.2/102



Right In: 55.591+/-764.668 χ^2/NDF: 28.5/25

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

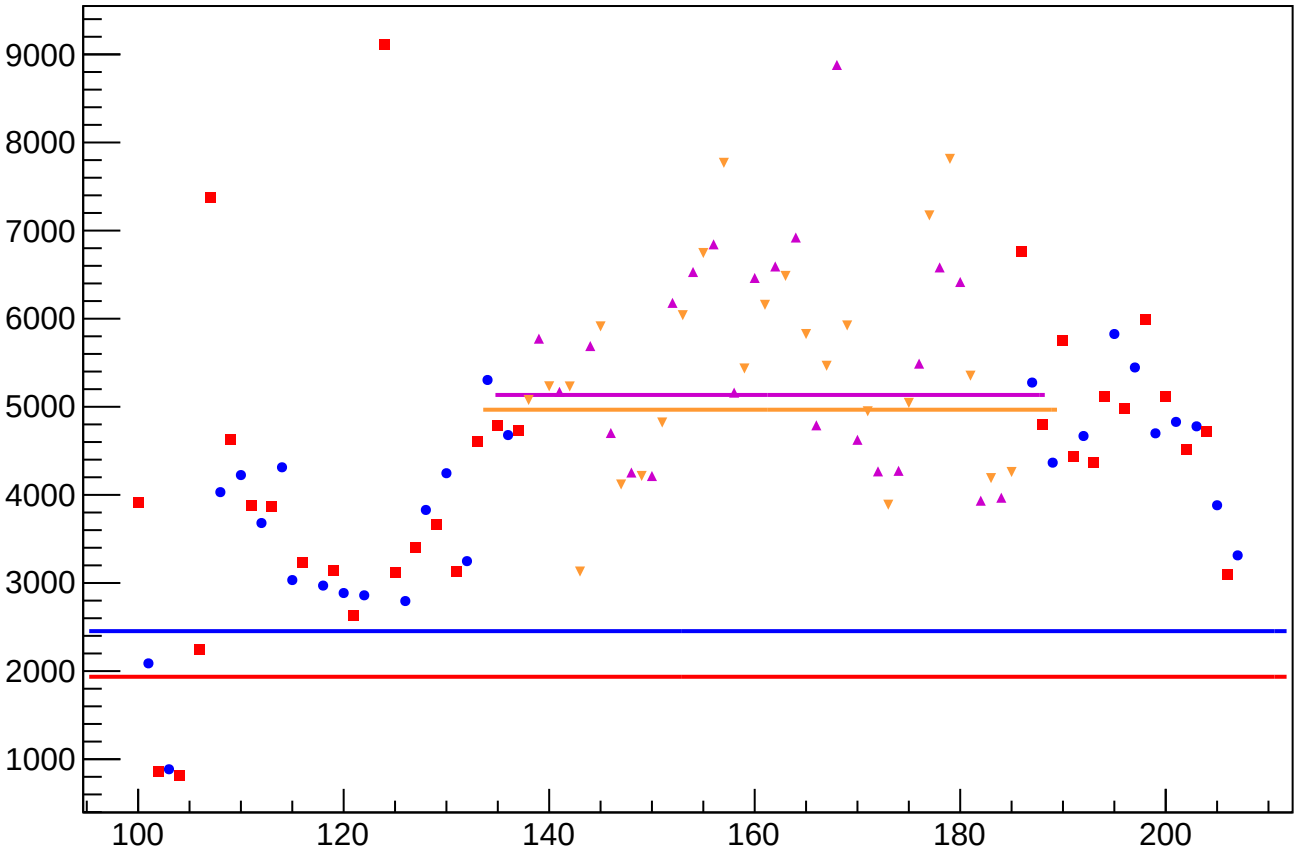
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -172.818+/-482.152 χ^2/NDF: 66.3/56

In: -64.600+/-649.212 χ^2/NDF:41.9/48

Out: -505.411+/-548.089 χ^2/NDF:70.6/55

All: -321.973+/-418.799 χ^2/NDF: 112.7/104



Right In: 2453.556+/-0.541 χ^2/NDF: 8663014.7/25

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

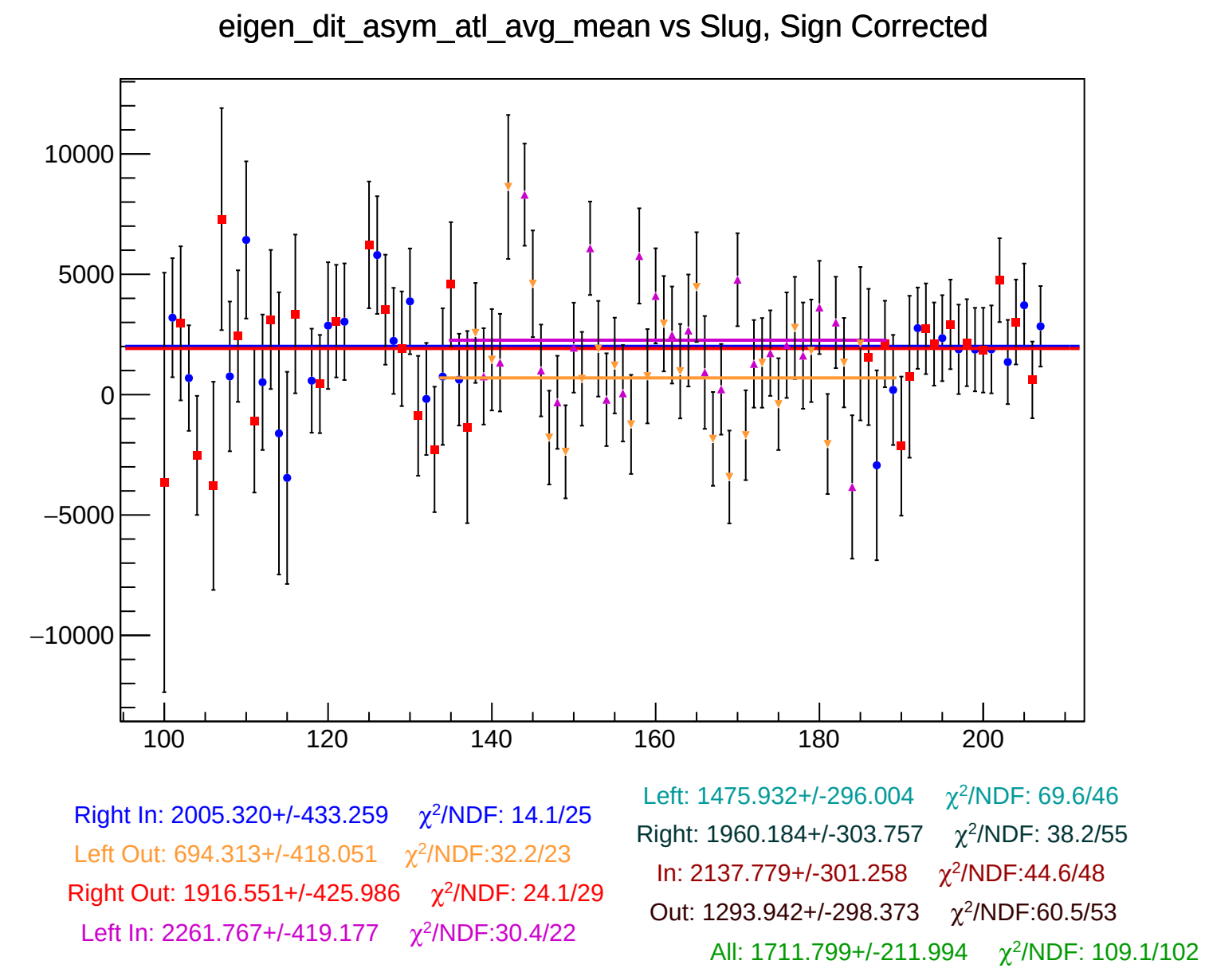
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2141.512+/-0.341 χ^2/NDF: 22488136.5/56

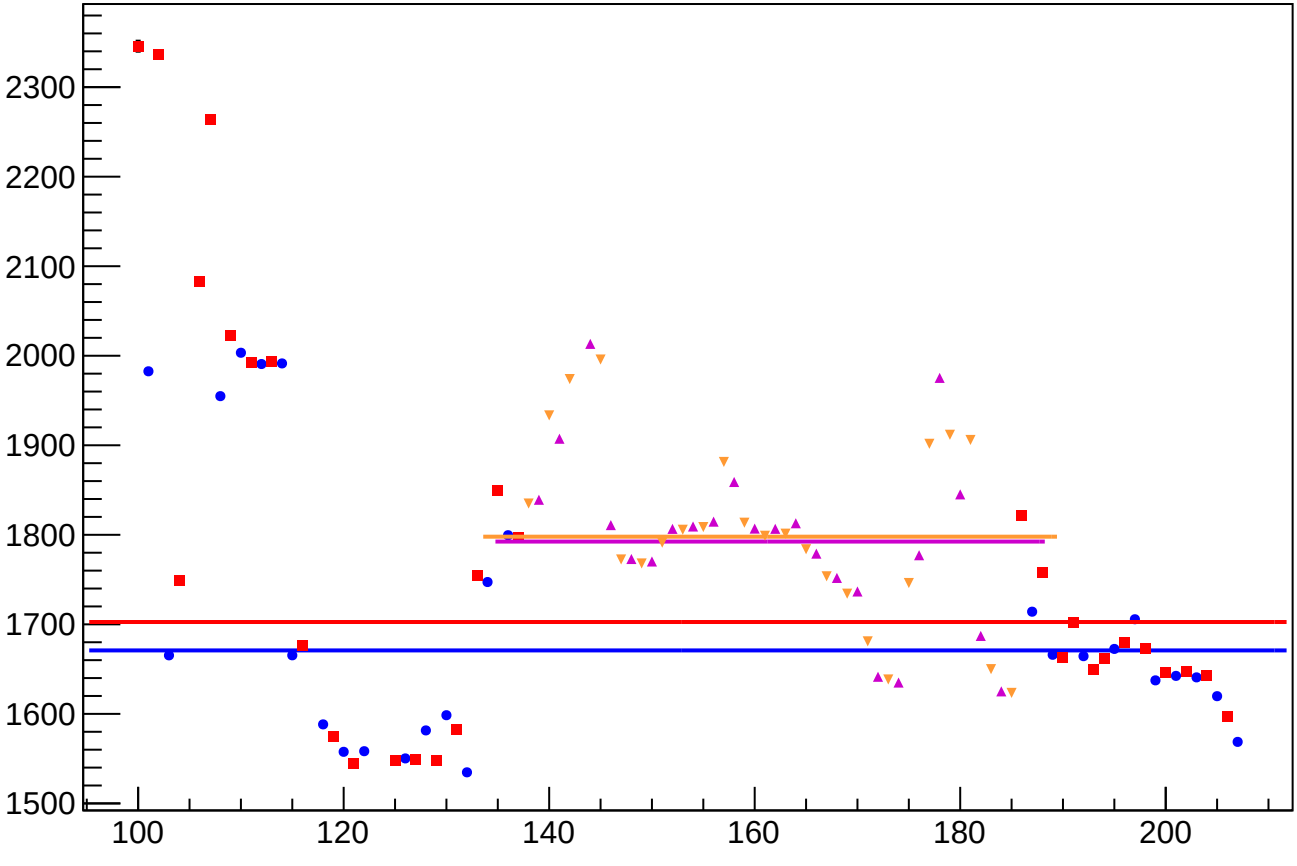
In: 3202.004+/-0.459 χ^2/NDF:17013244.9/48

Out: 2607.132+/-0.388 χ^2/NDF:25740803.6/55

All: 2854.681+/-0.296 χ^2/NDF: 43734471.6/


eigen_dit_asym_atl_avg_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 2005.320+/-433.259 χ²/NDF: 14.1/25
Left Out: 694.313+/-418.051 χ²/NDF:32.2/23
Right Out: 1916.551+/-425.986 χ²/NDF: 24.1/29
Left In: 2261.767+/-419.177 χ²/NDF:30.4/22
Left: 1475.932+/-296.004 χ²/NDF: 69.6/46
Right: 1960.184+/-303.757 χ²/NDF: 38.2/55
In: 2137.779+/-301.258 χ²/NDF:44.6/48
Out: 1293.942+/-298.373 χ²/NDF:60.5/53
All: 1711.799+/-211.994 χ²/NDF: 109.1/102

eigen_dit_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1670.877+/-0.306 χ^2/NDF: 151707.7/25

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

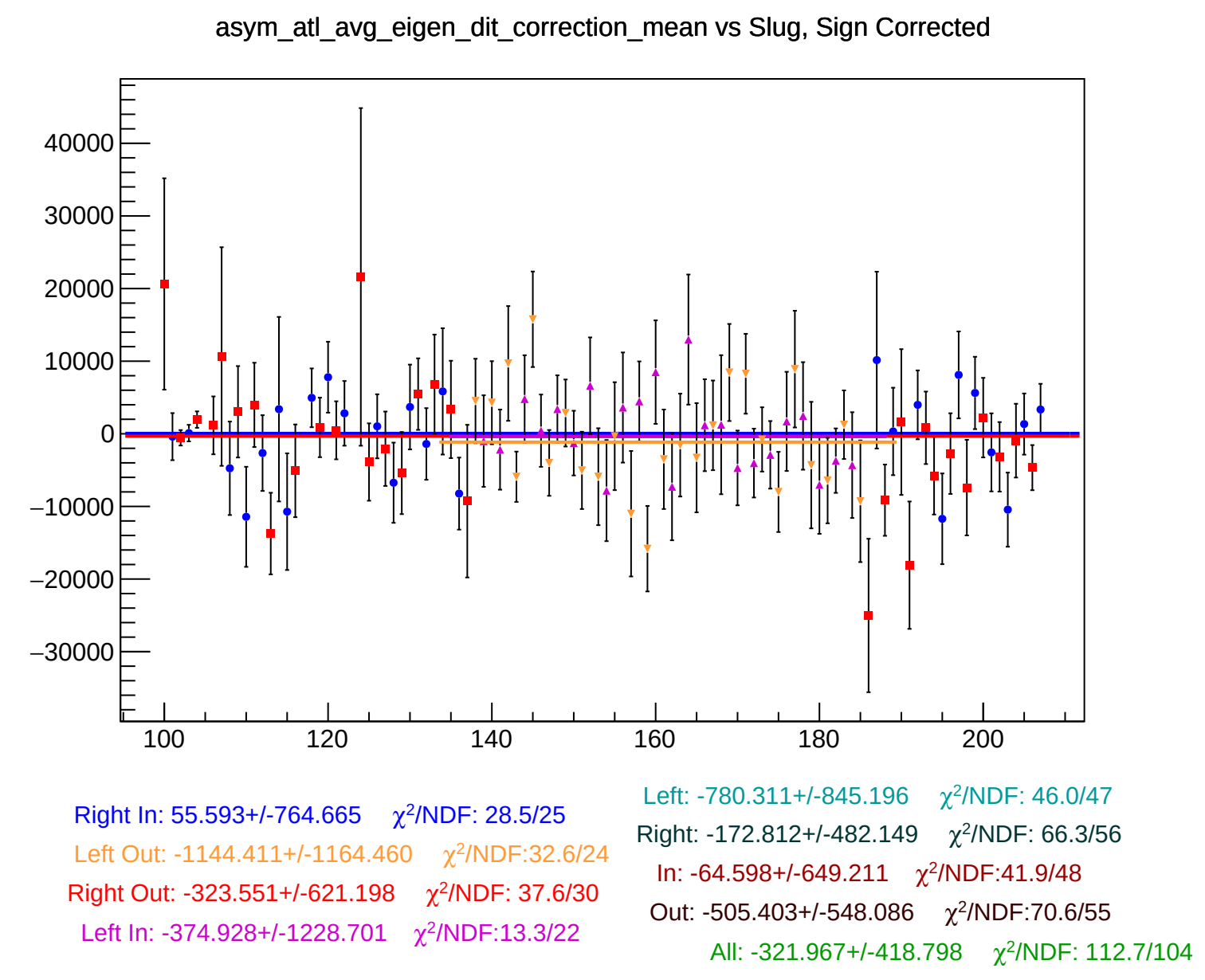
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

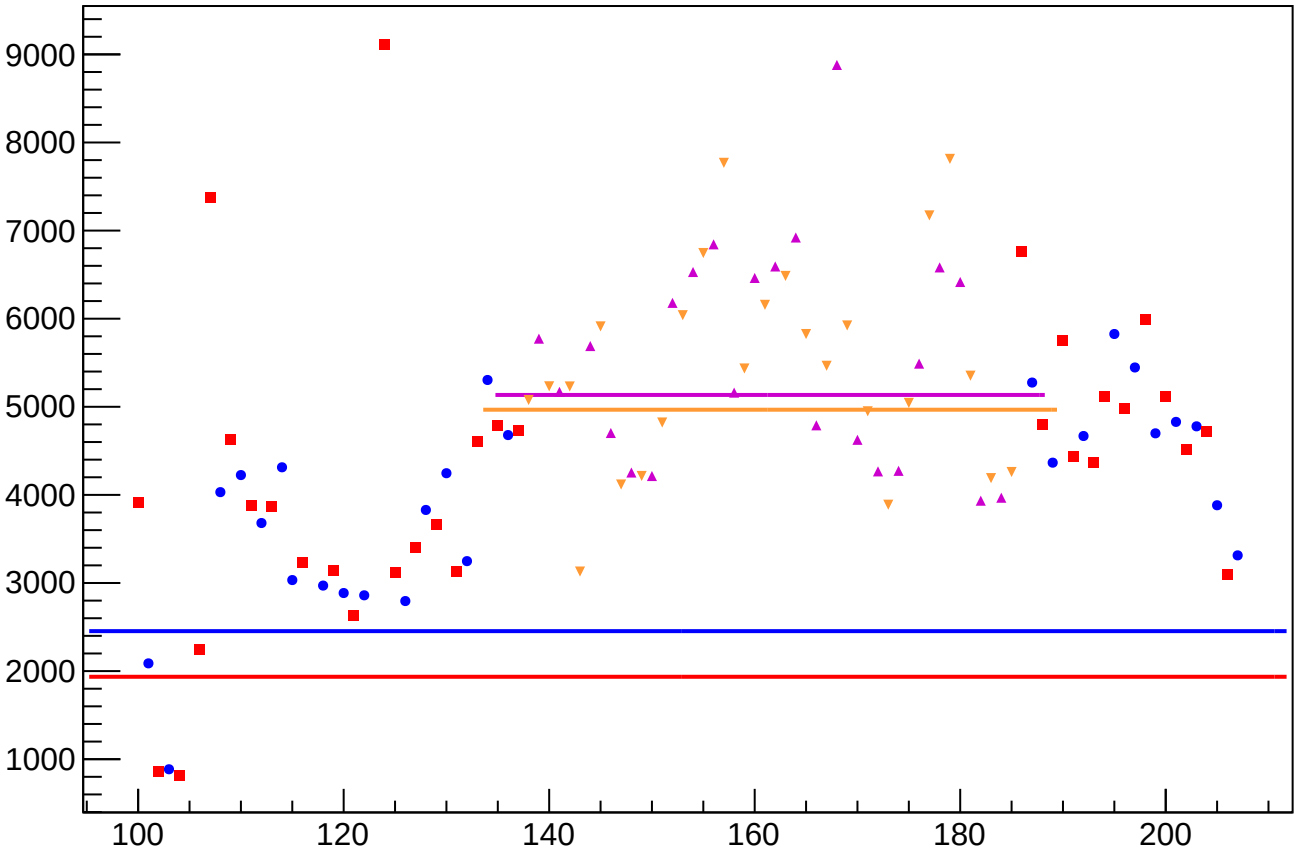
Right: 1687.028+/-0.215 χ^2/NDF: 440945.3/55

In: 1733.672+/-0.213 χ^2/NDF:325925.4/48

Out: 1751.111+/-0.211 χ^2/NDF:432821.6/53

All: 1742.480+/-0.150 χ^2/NDF: 762131.8/102


asym_atl_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 55.593+/-764.665 χ²/NDF: 28.5/25
Left Out: -1144.411+/-1164.460 χ²/NDF:32.6/24
Right Out: -323.551+/-621.198 χ²/NDF: 37.6/30
Left In: -374.928+/-1228.701 χ²/NDF:13.3/22
Left: -780.311+/-845.196 χ²/NDF: 46.0/47
Right: -172.812+/-482.149 χ²/NDF: 66.3/56
In: -64.598+/-649.211 χ²/NDF:41.9/48
Out: -505.403+/-548.086 χ²/NDF:70.6/55
All: -321.967+/-418.798 χ²/NDF: 112.7/104



Right In: 2453.539+/-0.541 χ^2/NDF: 8663128.8/25

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

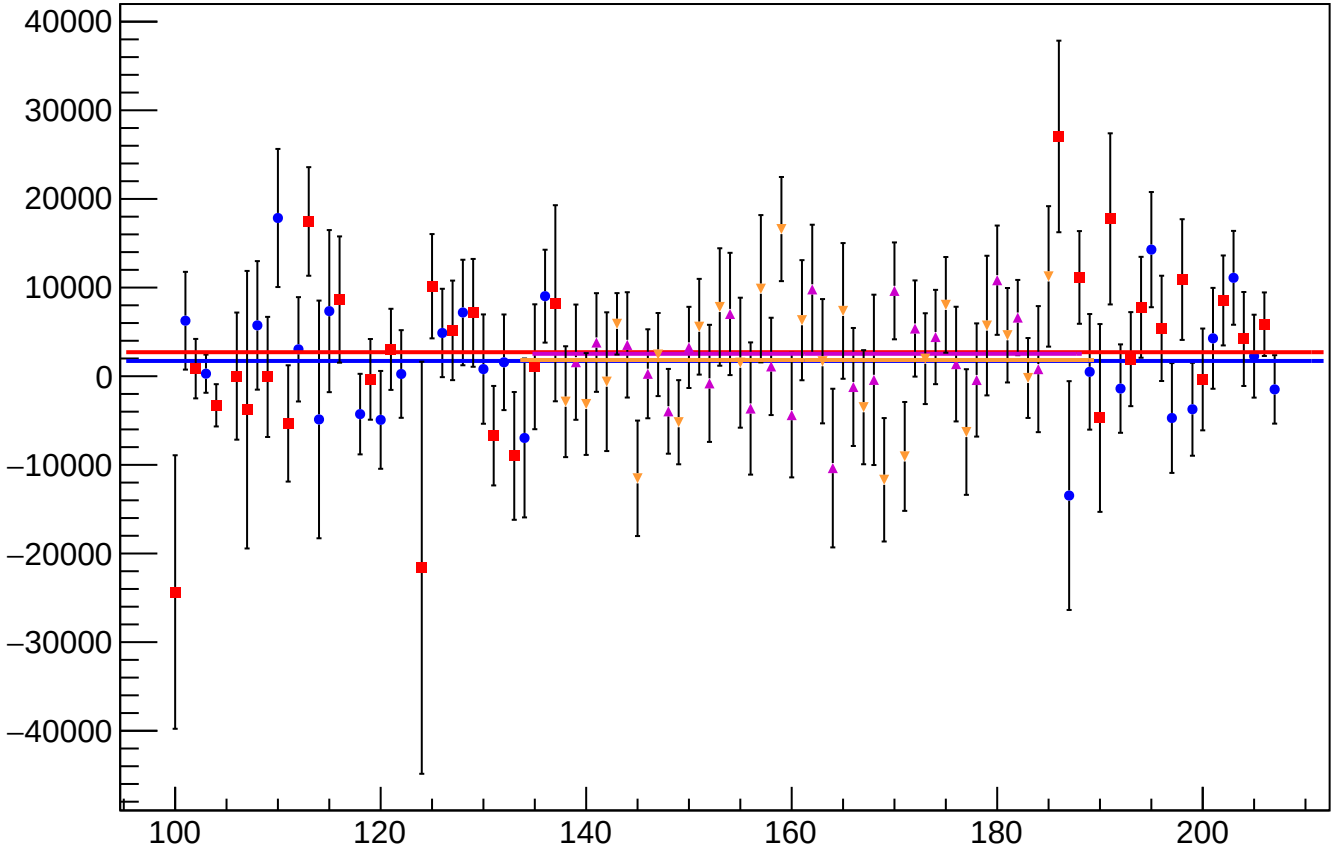
Right: 2141.494+/-0.341 χ^2/NDF: 22488377.4/56

In: 3201.987+/-0.459 χ^2/NDF:17013496.2/48

Out: 2607.112+/-0.388 χ^2/NDF:25741107.2/55

All: 2854.661+/-0.296 χ^2/NDF: 43735042.0/

asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1722.620+/-1017.531 χ^2/NDF: 25.6/25

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

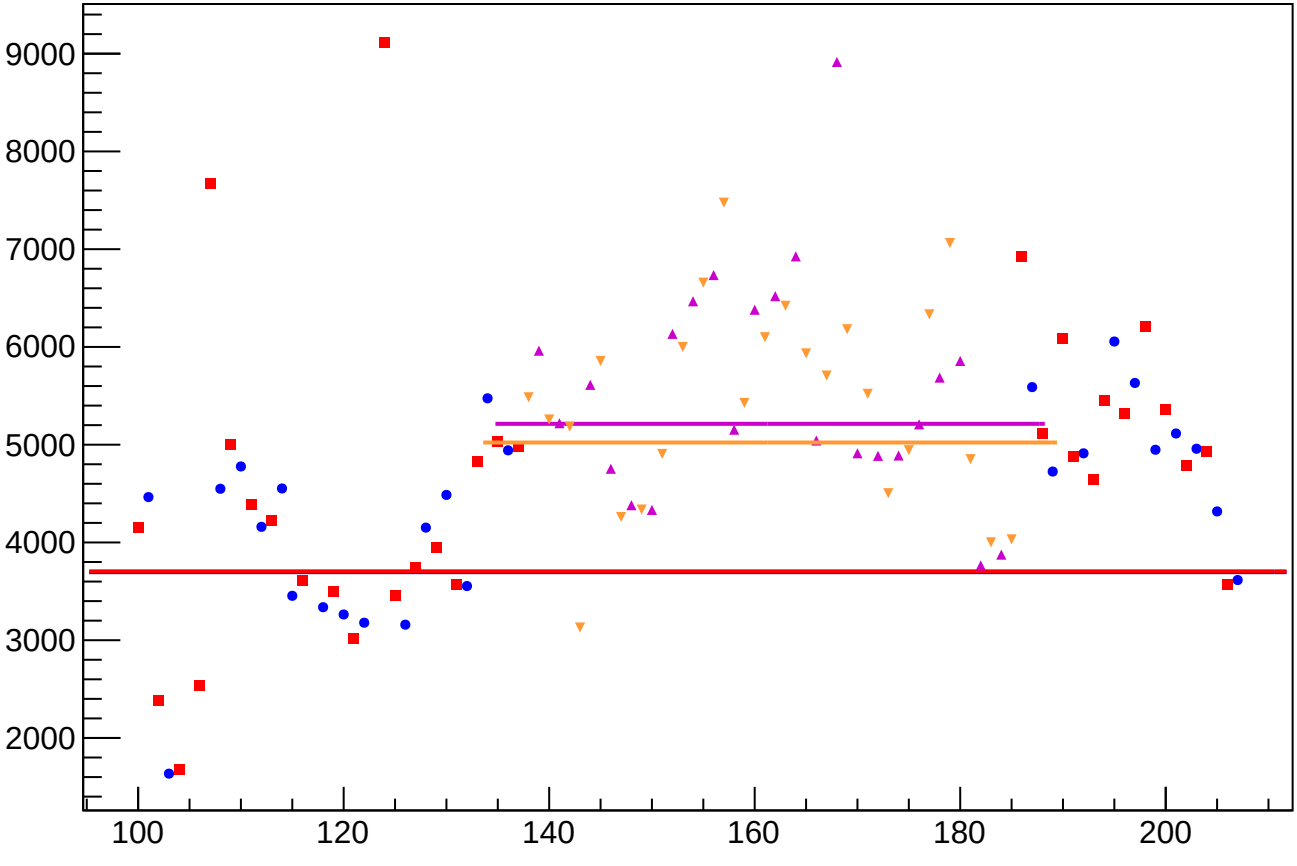
Right: 2228.219+/-710.966 χ^2/NDF: 69.4/56

In: 2046.673+/-787.116 χ^2/NDF:39.0/48

Out: 2340.803+/-758.113 χ^2/NDF:74.8/55

All: 2199.257+/-546.032 χ^2/NDF: 113.8/104

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3696.094+/-0.720 χ^2/NDF: 3326205.5/25

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

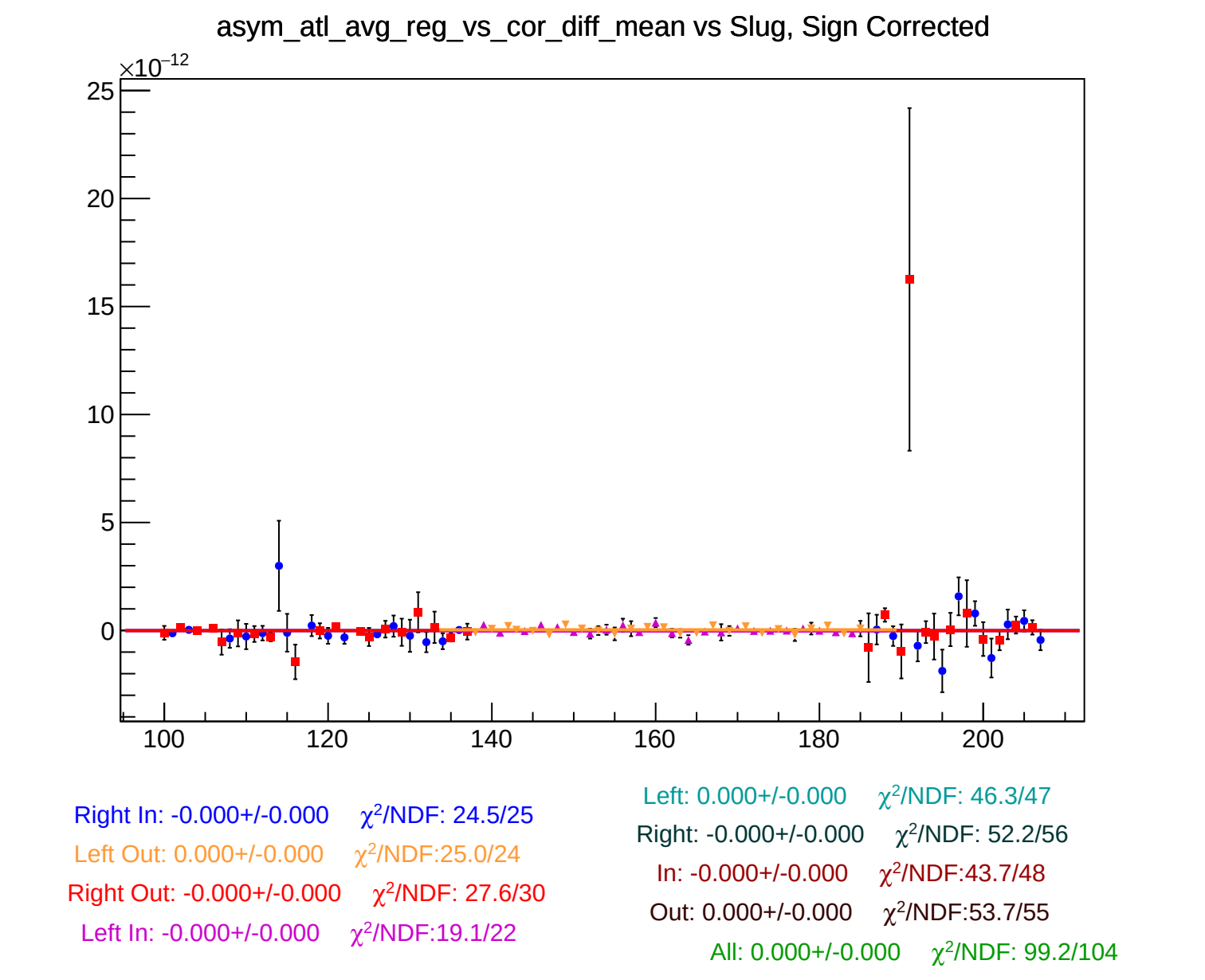
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

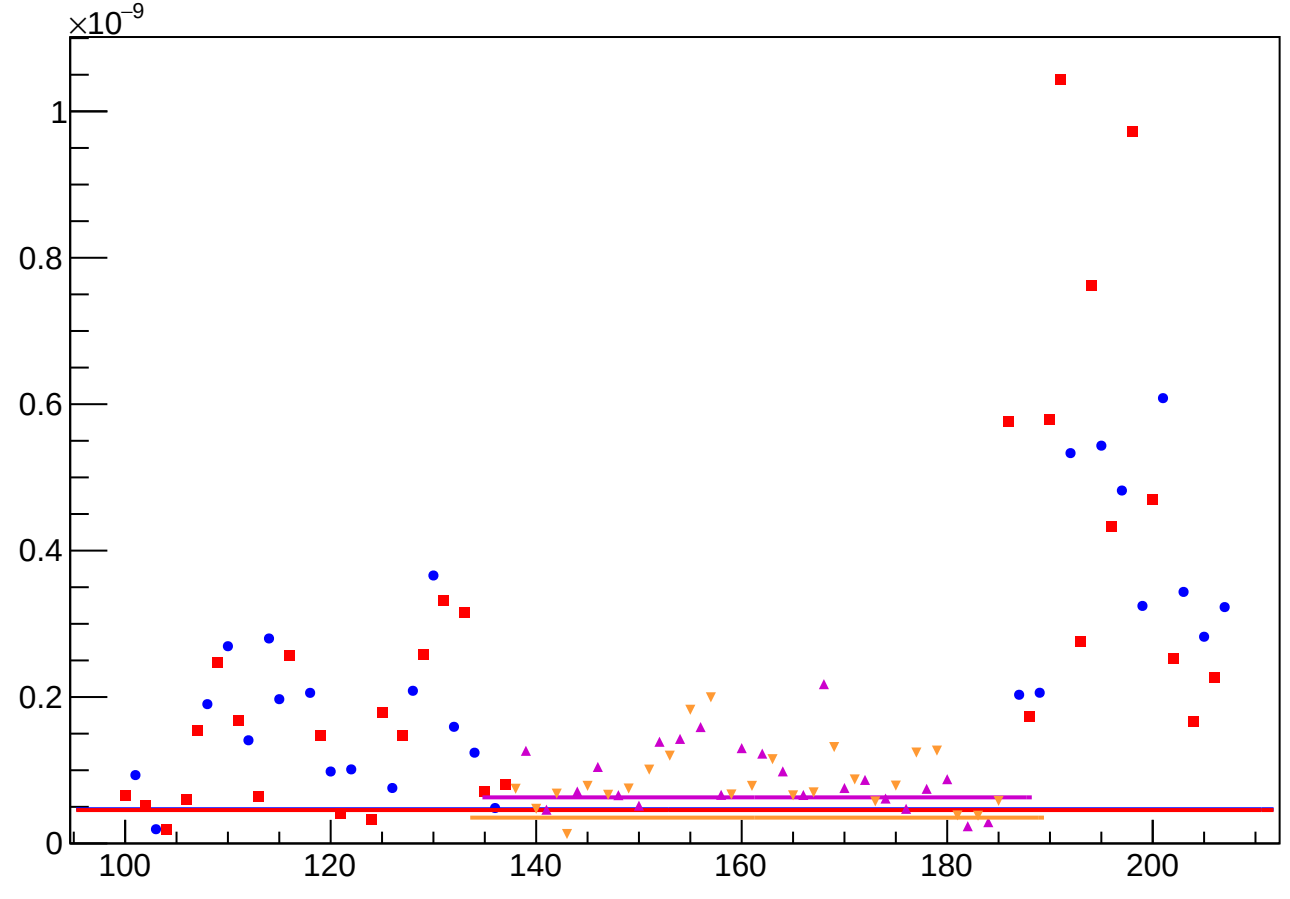
Right: 3700.486+/-0.500 χ^2/NDF: 7240609.1/56

In: 4305.552+/-0.557 χ^2/NDF:6335956.5/48

Out: 4249.064+/-0.533 χ^2/NDF:7073623.0/55

All: 4276.081+/-0.385 χ^2/NDF: 13414953.5/1


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: 24.5/25
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: 52.2/56
In: -0.000+/-0.000 χ²/NDF:43.7/48
Out: 0.000+/-0.000 χ²/NDF:53.7/55
All: 0.000+/-0.000 χ²/NDF: 99.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 8028961.3/25

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

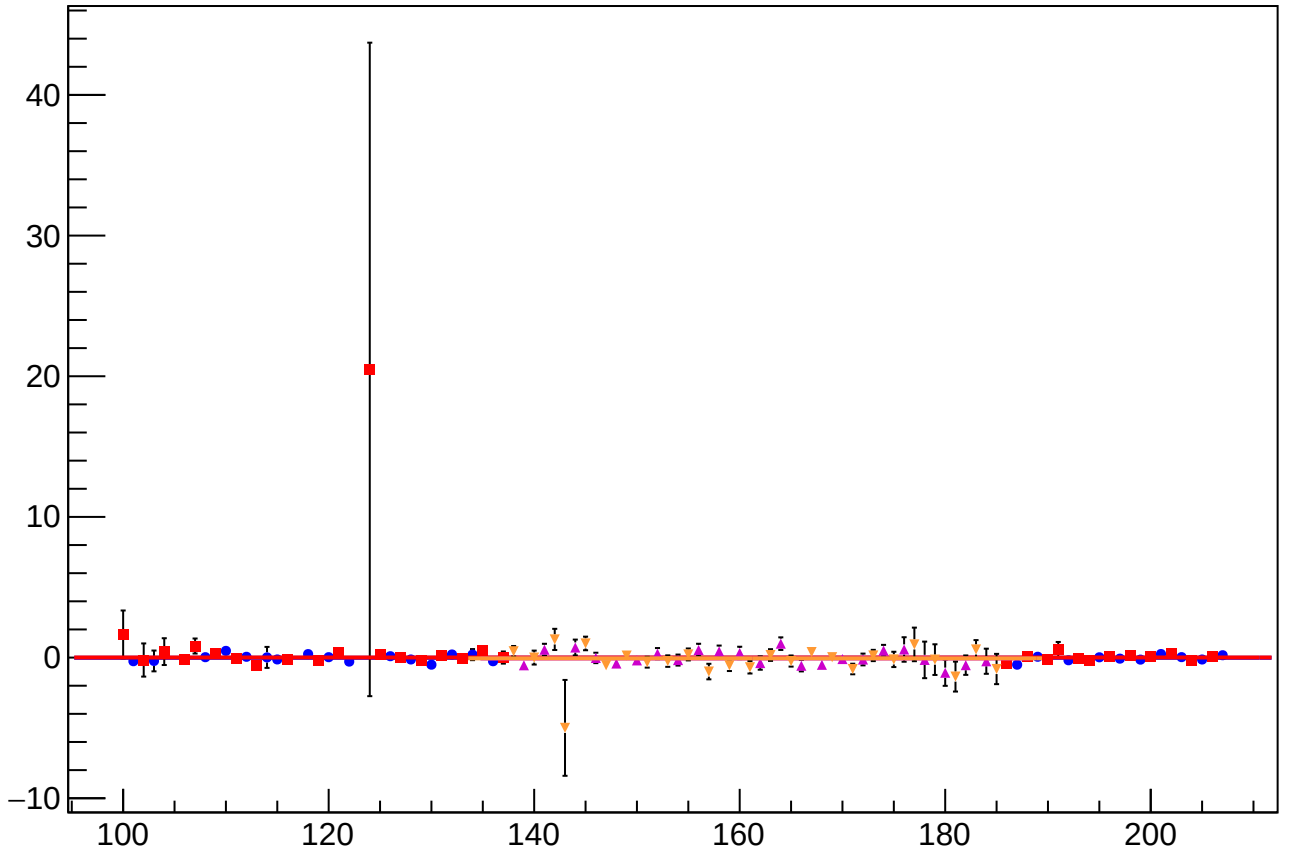
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16157946.7/56

In: 0.000+/-0.000 χ^2/NDF:11243535.4/48

Out: 0.000+/-0.000 χ^2/NDF:14796916.4/55

All: 0.000+/-0.000 χ^2/NDF: 27012745.6/104



Right In: -0.015+/-0.041 χ^2/NDF: 26.2/25

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

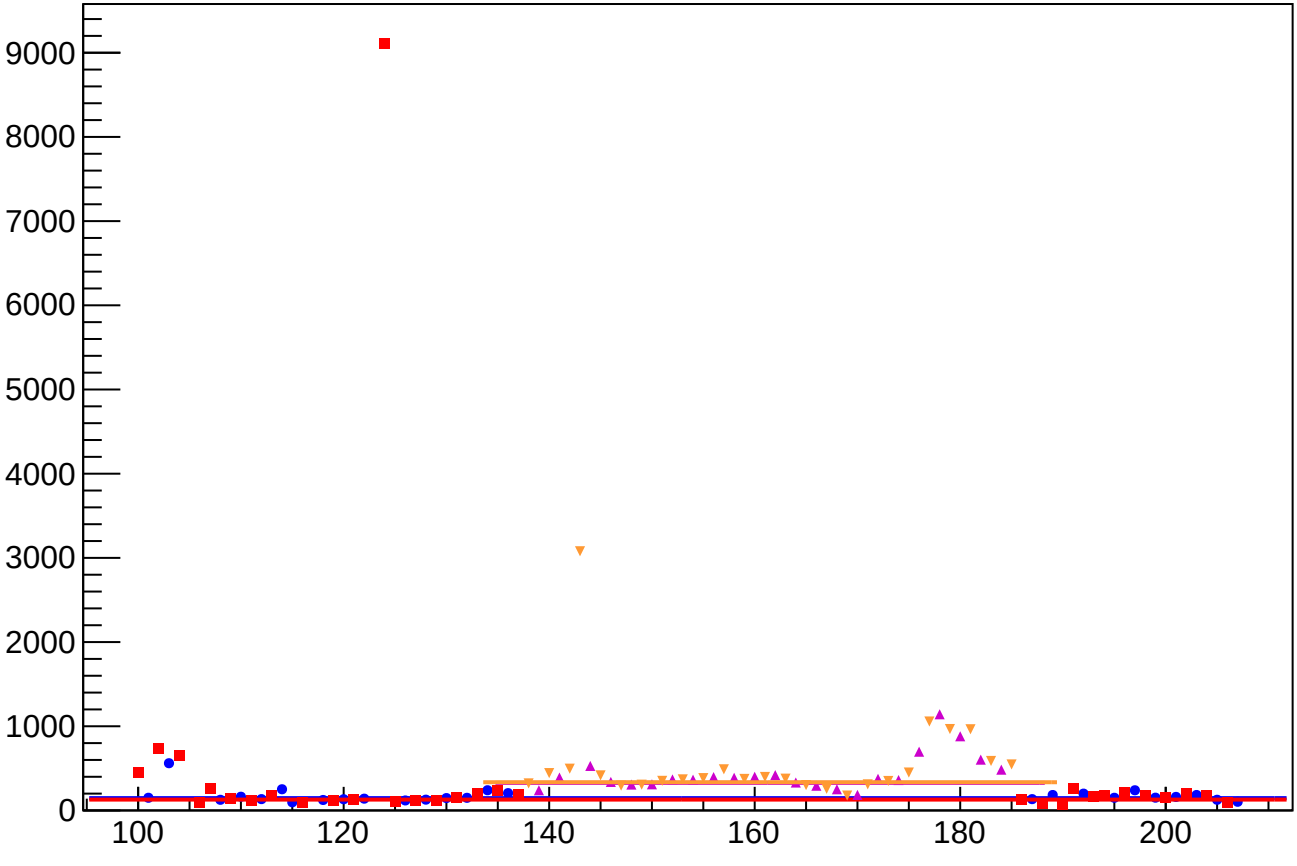
Right: -0.004+/-0.027 χ^2/NDF: 58.8/56

In: -0.025+/-0.037 χ^2/NDF:54.5/48

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.013+/-0.025 χ^2/NDF: 120.6/104

asym_atl_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.416+/-0.029 χ^2/NDF: 1885885.1/25

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

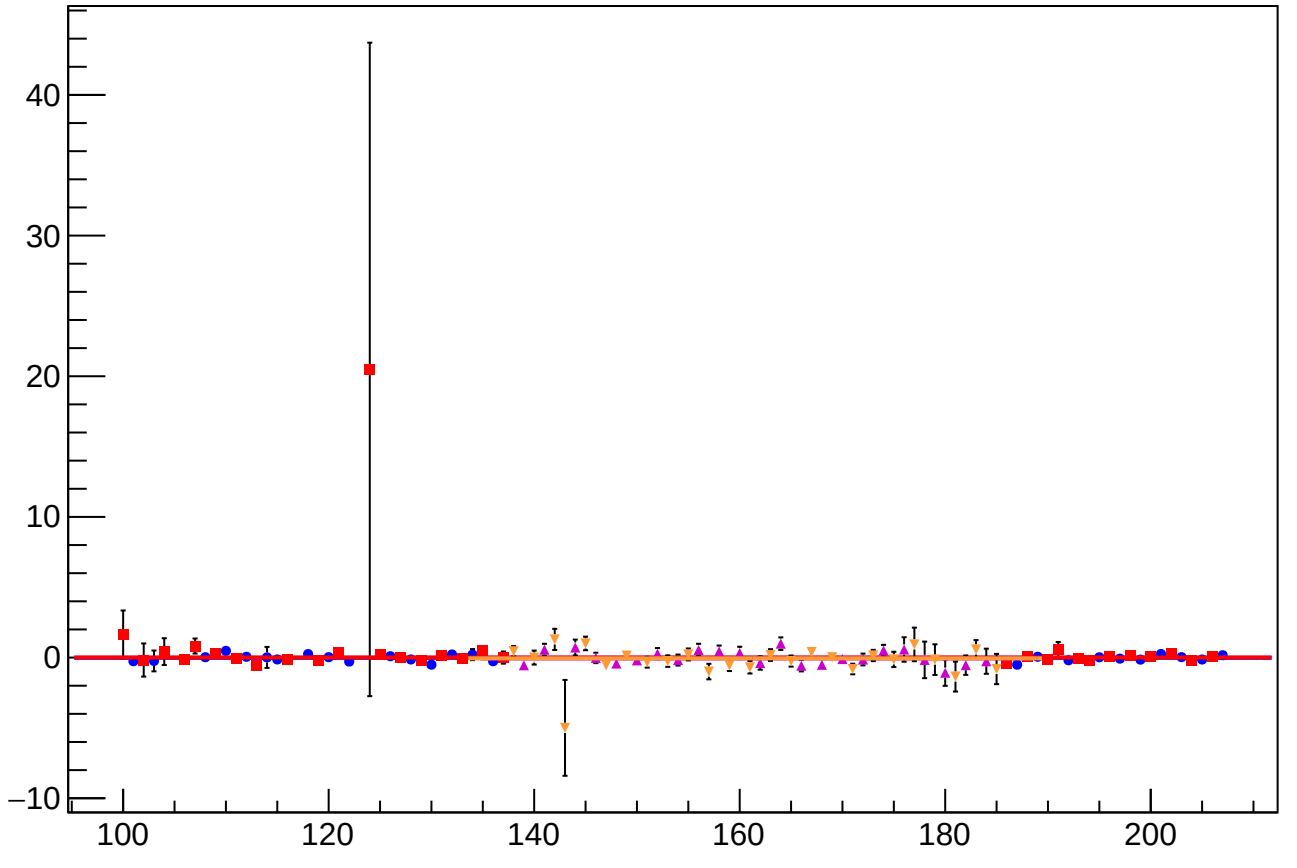
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 136.749+/-0.019 χ^2/NDF: 6281758.9/56

In: 182.142+/-0.026 χ^2/NDF:13735863.6/48

Out: 161.412+/-0.024 χ^2/NDF:20051989.4/55

All: 170.824+/-0.018 χ^2/NDF: 34135413.3/10



Right In: -0.015+/-0.041 χ^2/NDF: 26.2/25

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

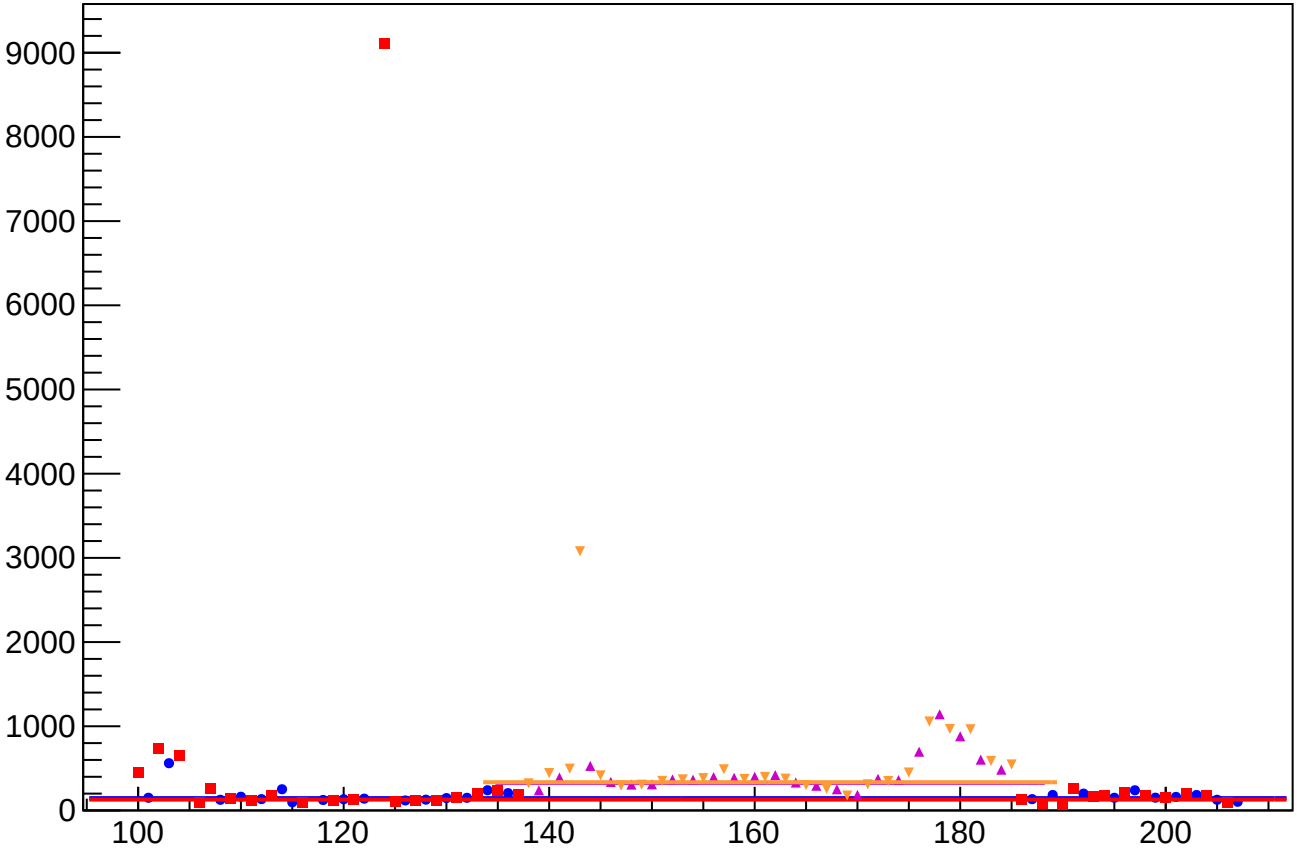
Right: -0.004+/-0.027 χ^2/NDF: 58.8/56

In: -0.025+/-0.037 χ^2/NDF:54.5/48

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.013+/-0.025 χ^2/NDF: 120.6/104

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.416+/-0.029 χ^2/NDF: 1885885.1/25

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

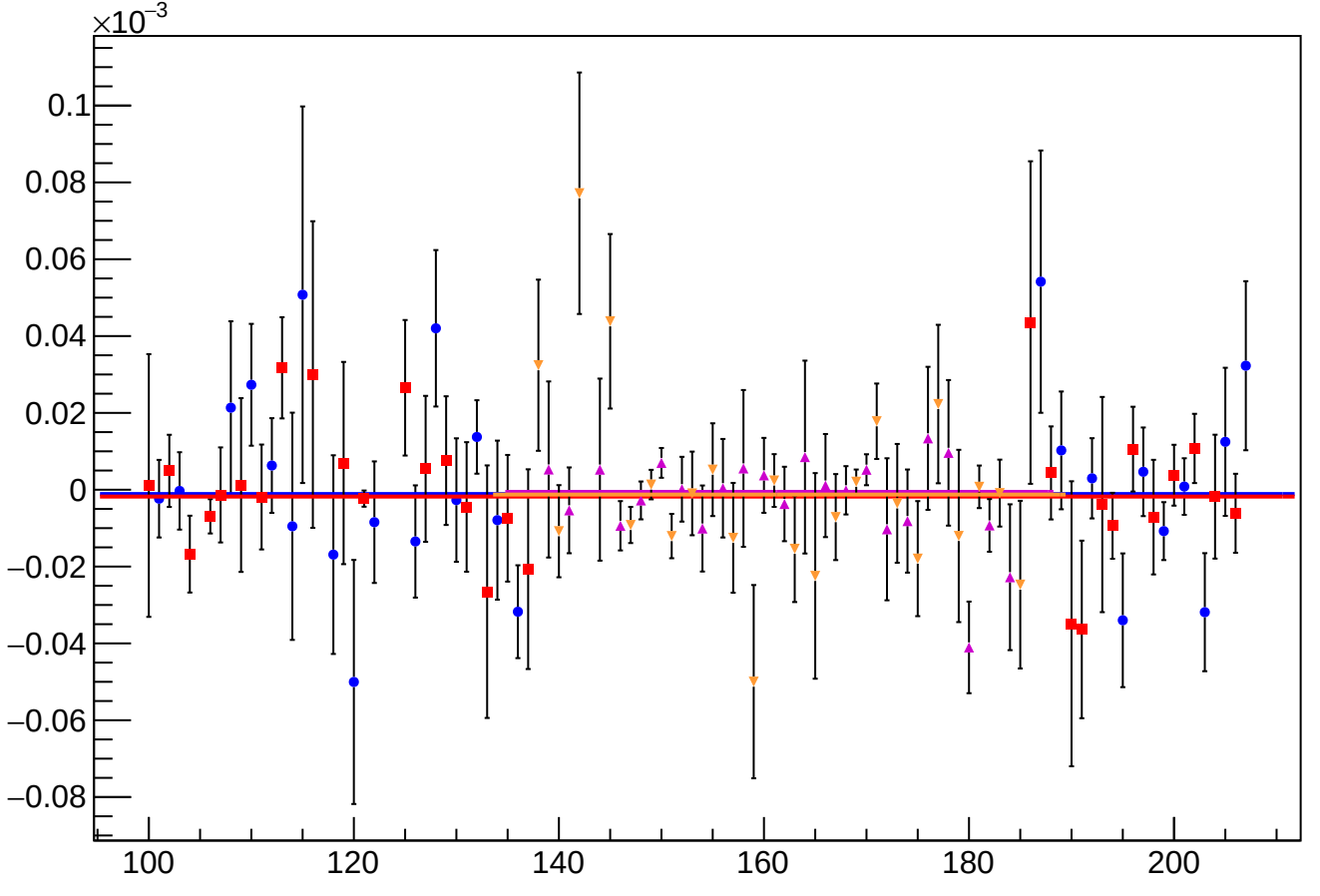
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 136.749+/-0.019 χ^2/NDF: 6281758.9/56

In: 182.142+/-0.026 χ^2/NDF:13735863.6/48

Out: 161.412+/-0.024 χ^2/NDF:20051989.4/55

All: 170.824+/-0.018 χ^2/NDF: 34135413.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.6/25

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

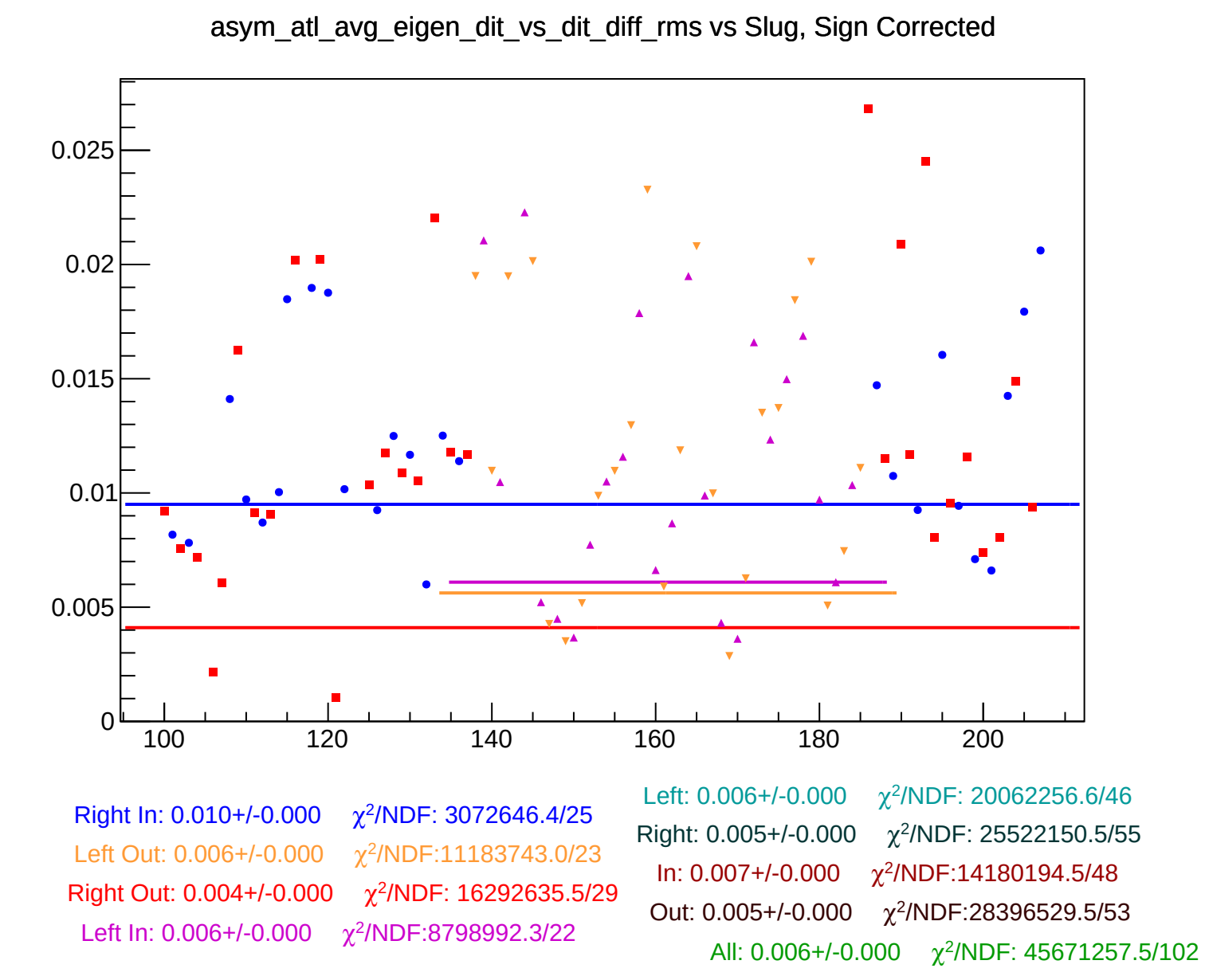
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 63.5/55

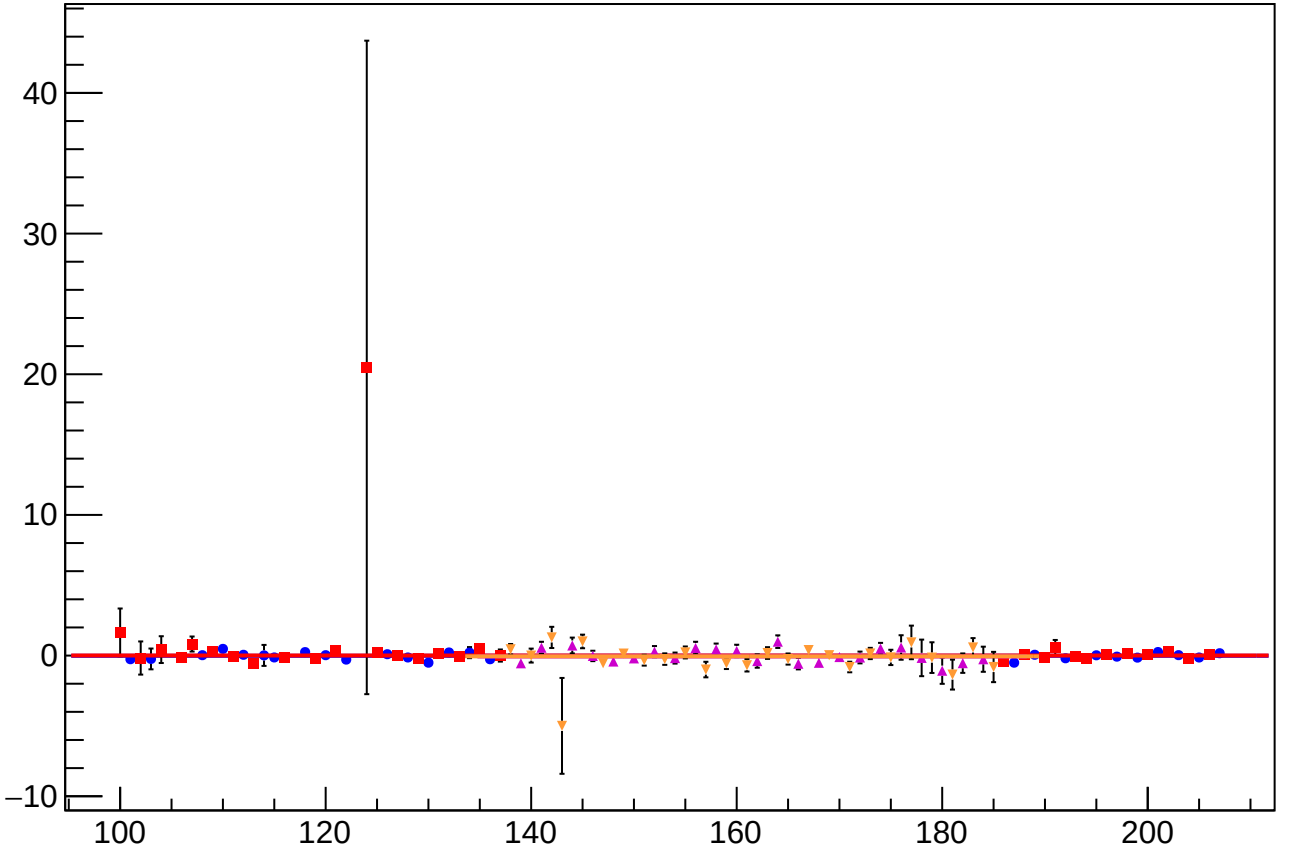
In: -0.000+/-0.000 χ^2/NDF:64.1/48

Out: -0.000+/-0.000 χ^2/NDF:60.7/53

All: -0.000+/-0.000 χ^2/NDF: 124.9/102


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: 0.010+/-0.000 χ²/NDF: 3072646.4/25
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: 25522150.5/55
In: 0.007+/-0.000 χ²/NDF:14180194.5/48
Out: 0.005+/-0.000 χ²/NDF:28396529.5/53
All: 0.006+/-0.000 χ²/NDF: 45671257.5/102

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.041 χ^2/NDF: 26.2/25

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

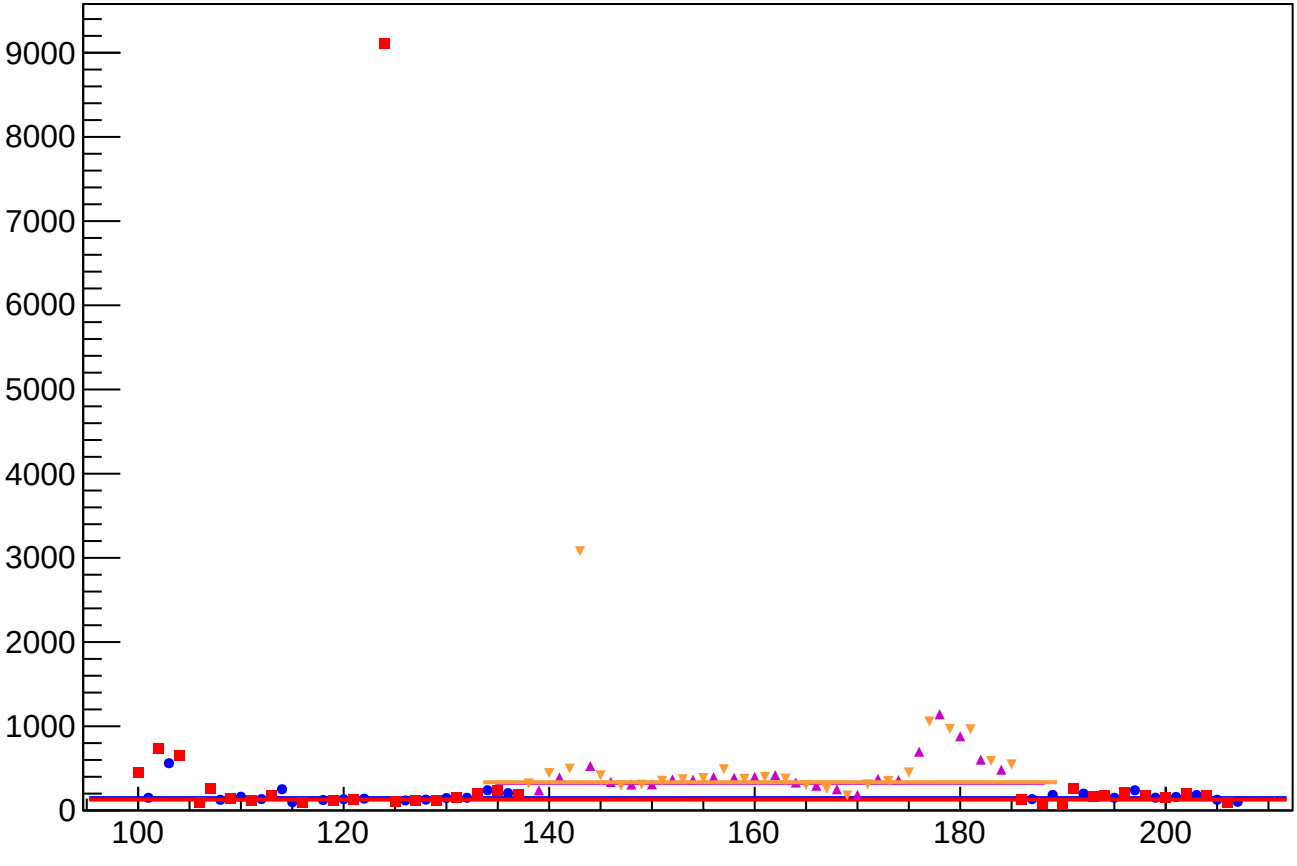
Right: -0.004+/-0.027 χ^2/NDF: 58.8/56

In: -0.025+/-0.037 χ^2/NDF:54.5/48

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.013+/-0.025 χ^2/NDF: 120.6/104

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.412+/-0.029 χ^2/NDF: 1886139.0/25

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

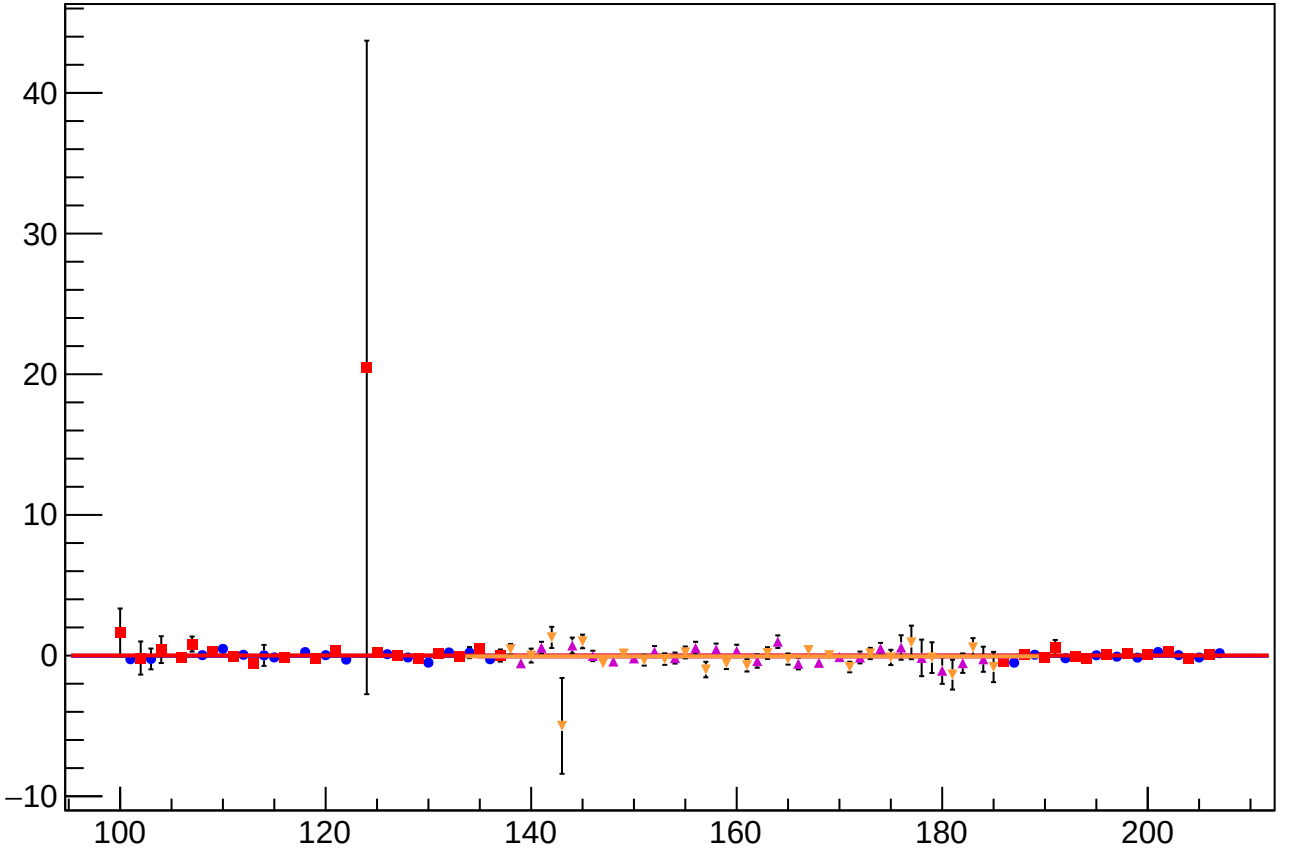
Right: 136.746+/-0.019 χ^2/NDF: 6282118.2/56

In: 182.138+/-0.026 χ^2/NDF:13736629.6/48

Out: 161.410+/-0.024 χ^2/NDF:20052531.3/55

All: 170.821+/-0.018 χ^2/NDF: 34136681.9/10

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.015+/-0.041 χ^2/NDF: 26.2/25

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

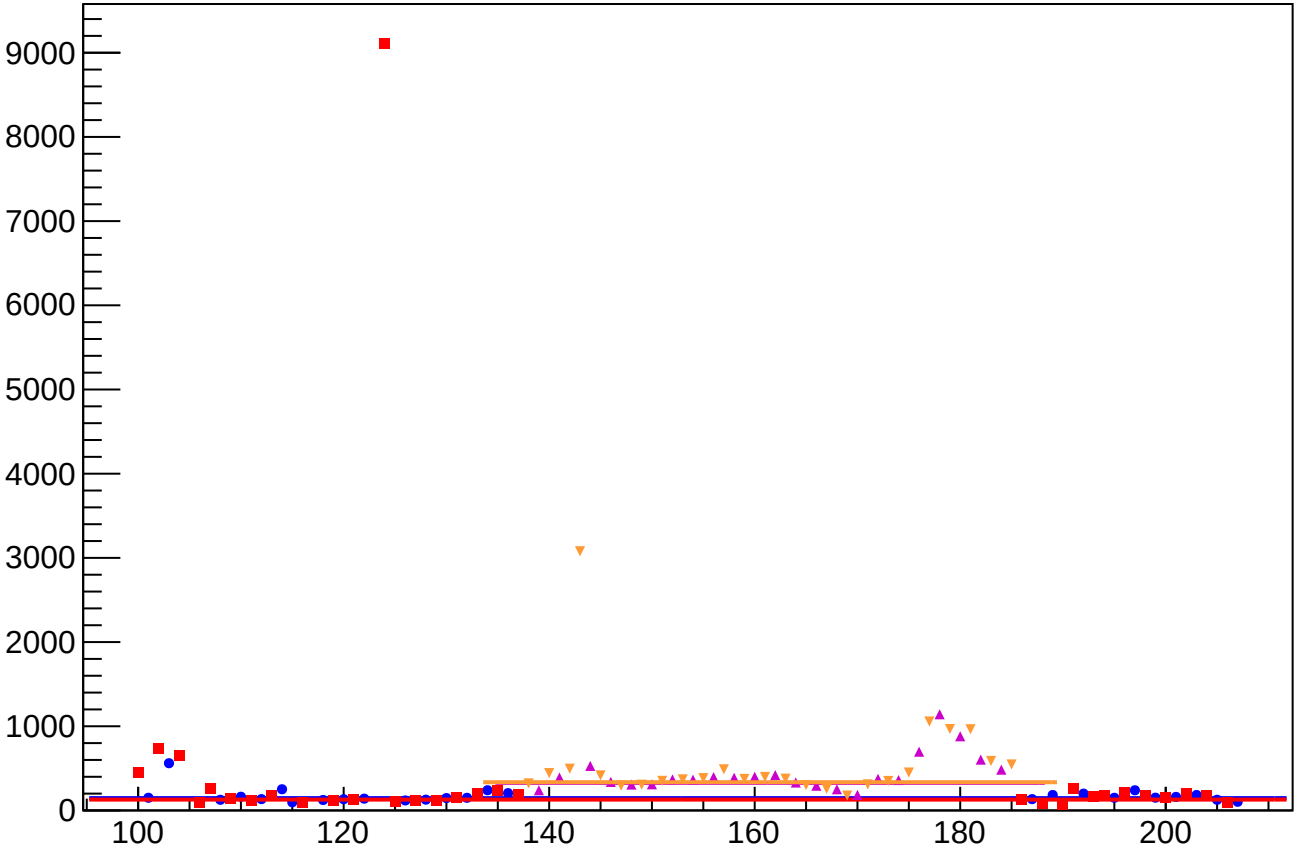
Right: -0.004+/-0.027 χ^2/NDF: 58.8/56

In: -0.025+/-0.037 χ^2/NDF:54.5/48

Out: -0.004+/-0.034 χ^2/NDF:65.9/55

All: -0.013+/-0.025 χ^2/NDF: 120.6/104

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 146.412+/-0.029 χ^2/NDF: 1886139.0/25

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

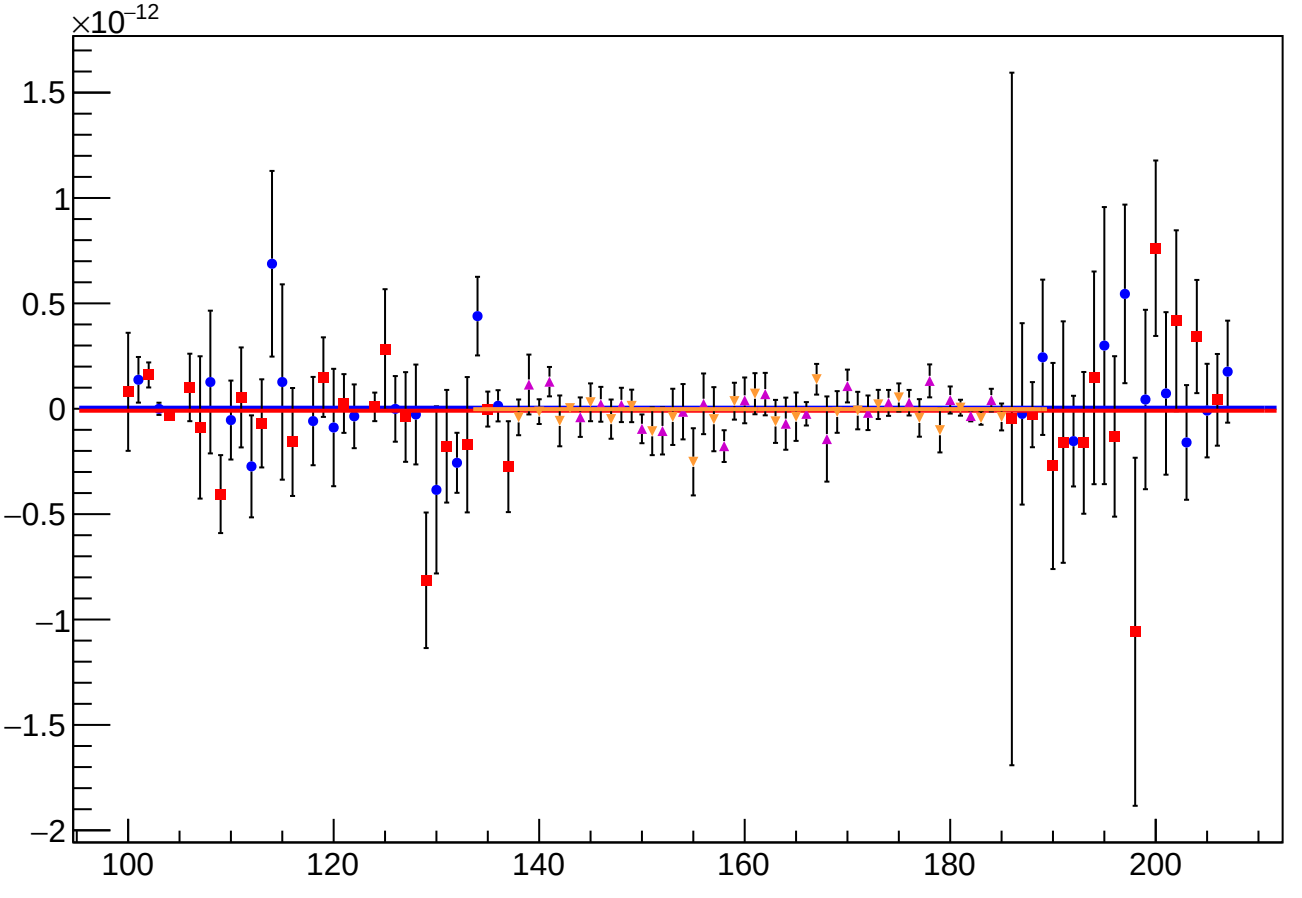
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 136.746+/-0.019 χ^2/NDF: 6282118.2/56

In: 182.138+/-0.026 χ^2/NDF:13736629.6/48

Out: 161.410+/-0.024 χ^2/NDF:20052531.3/55

All: 170.821+/-0.018 χ^2/NDF: 34136681.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 19.3/25

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

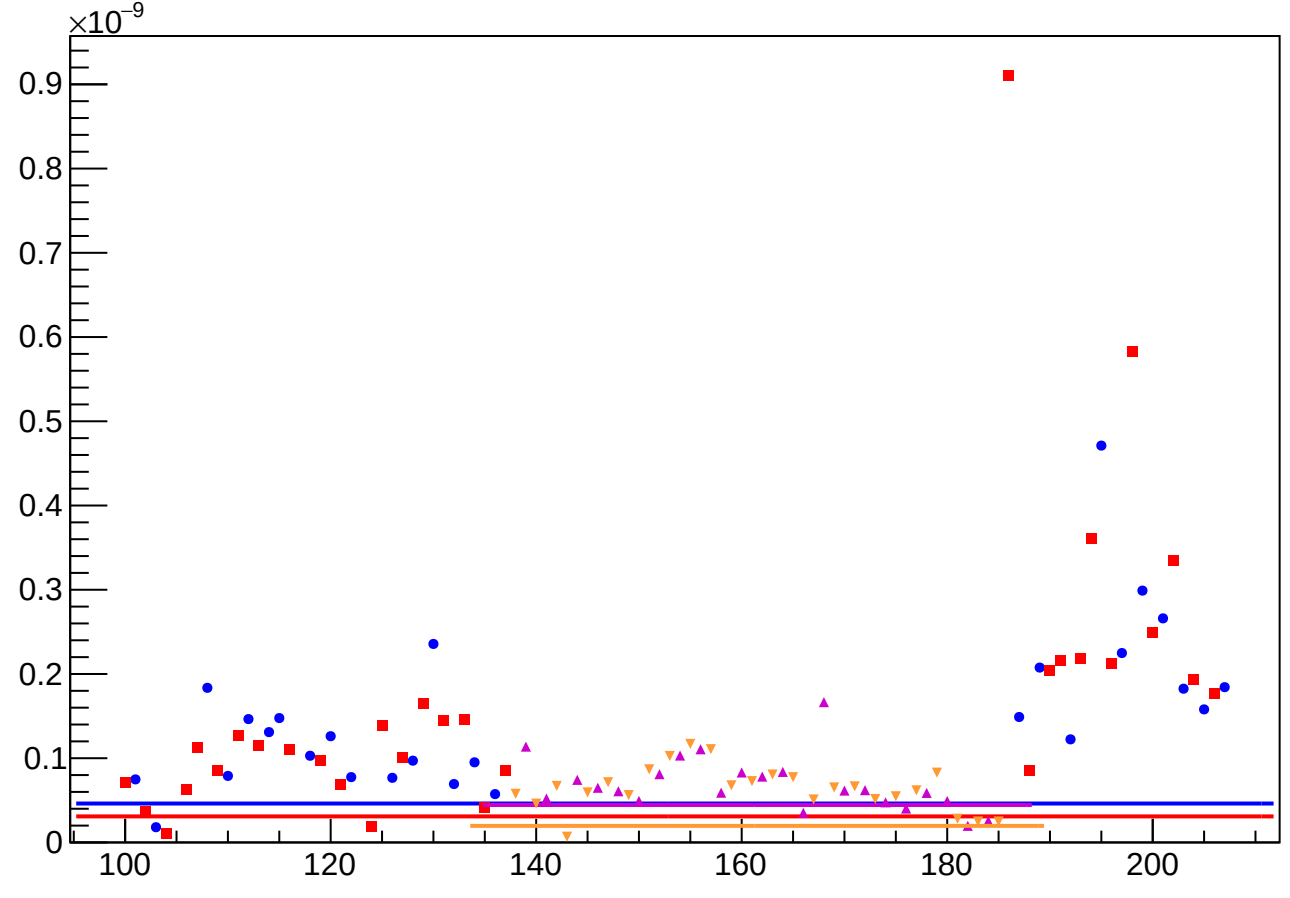
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 53.3/56

In: 0.000+/-0.000 χ^2/NDF:41.9/48

Out: -0.000+/-0.000 χ^2/NDF:47.5/55

All: -0.000+/-0.000 χ^2/NDF: 89.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 9146434.3/25

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

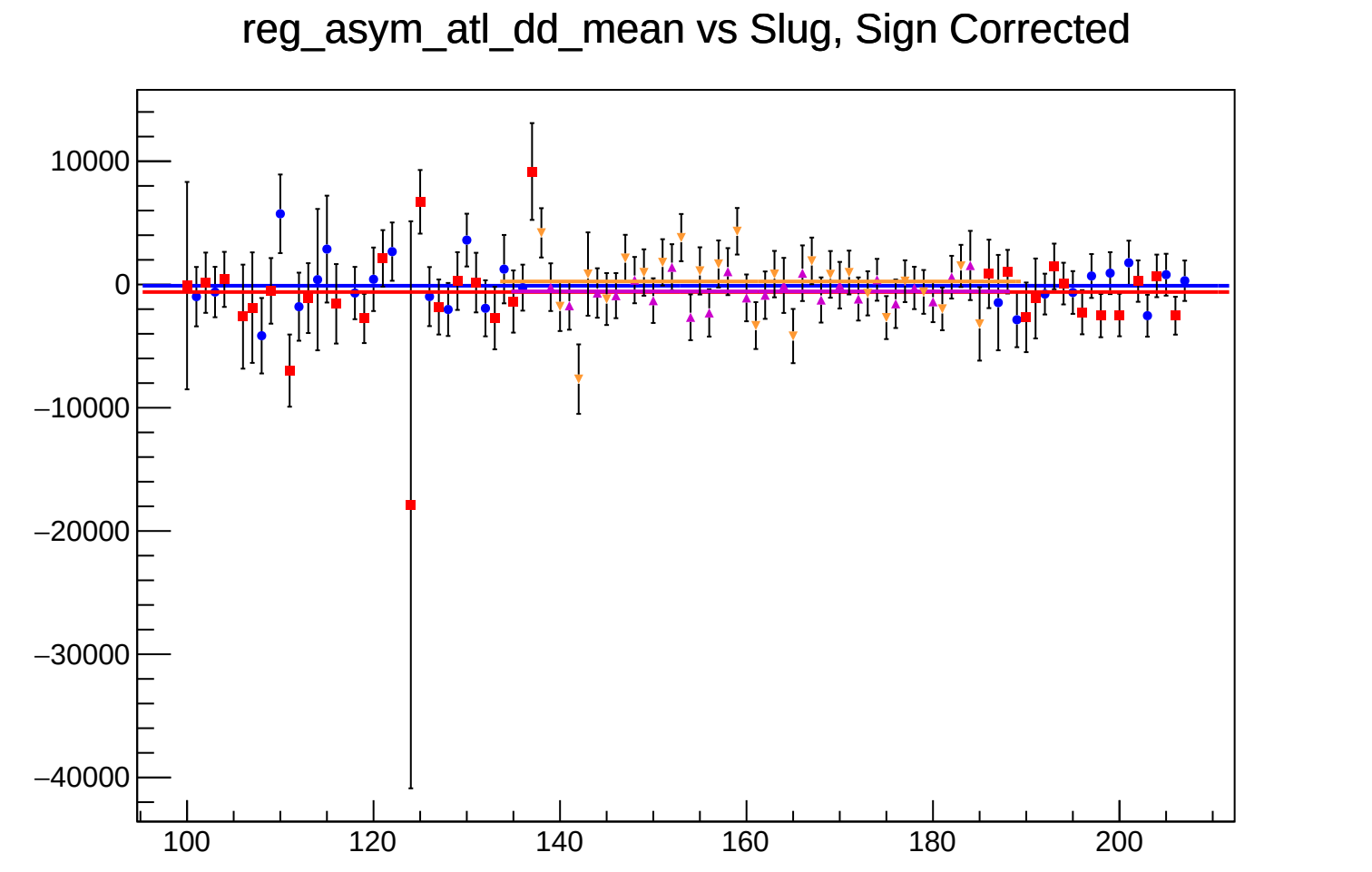
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 21874448.3/56

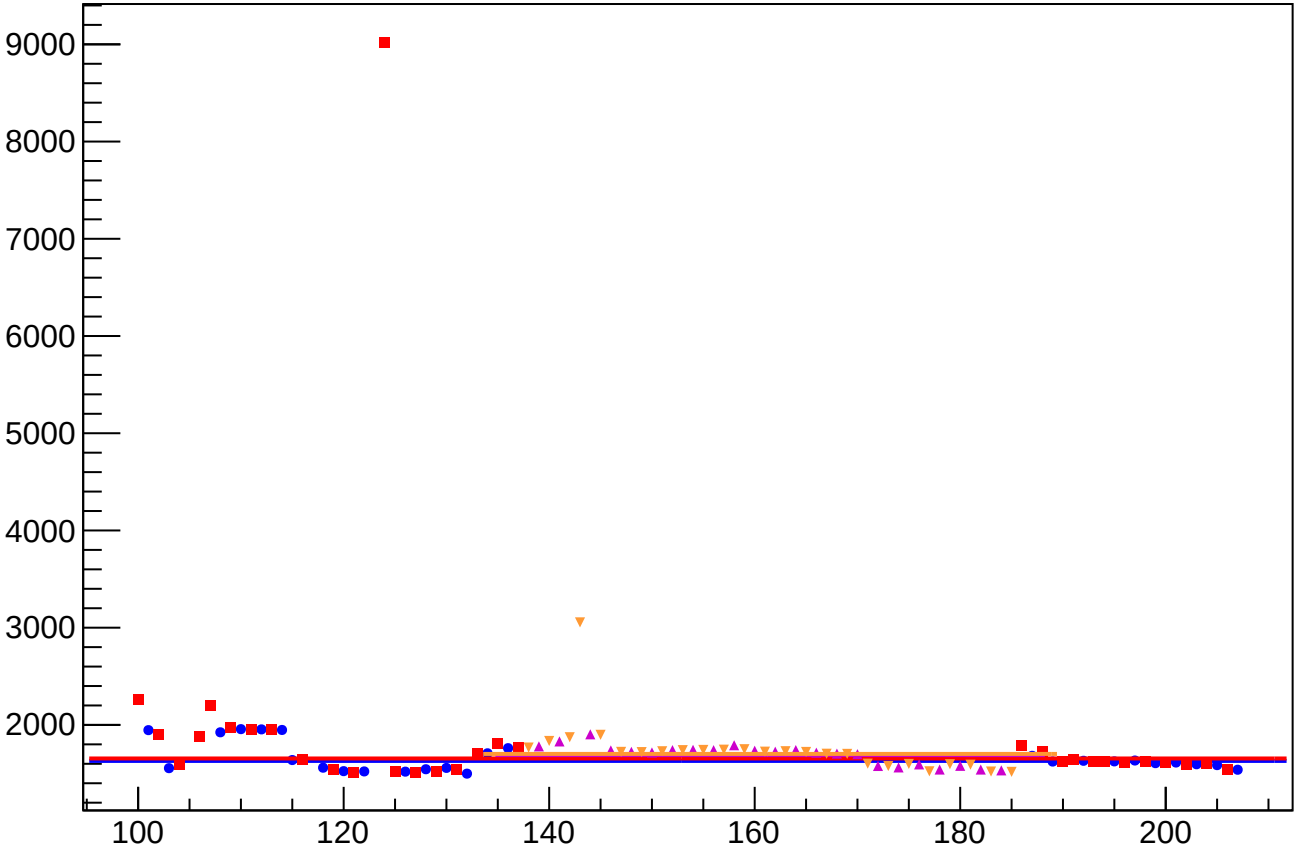
In: 0.000+/-0.000 χ^2/NDF:15074537.5/48

Out: 0.000+/-0.000 χ^2/NDF:27711421.2/55

All: 0.000+/-0.000 χ^2/NDF: 48126268.4/104


reg_asym_atl_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -100.460+/-422.406 χ²/NDF: 18.4/25
Left Out: 248.233+/-388.827 χ²/NDF:39.6/24
Right Out: -610.329+/-412.154 χ²/NDF: 32.9/30
Left In: -559.995+/-395.112 χ²/NDF:7.5/22
Left: -149.402+/-277.138 χ²/NDF: 49.2/47
Right: -361.657+/-294.995 χ²/NDF: 52.1/56
In: -345.553+/-288.553 χ²/NDF:26.6/48
Out: -156.065+/-282.829 χ²/NDF:74.8/55
All: -248.911+/-201.984 χ²/NDF: 101.6/104

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.678+/-0.299 χ^2/NDF: 157074.0/25

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

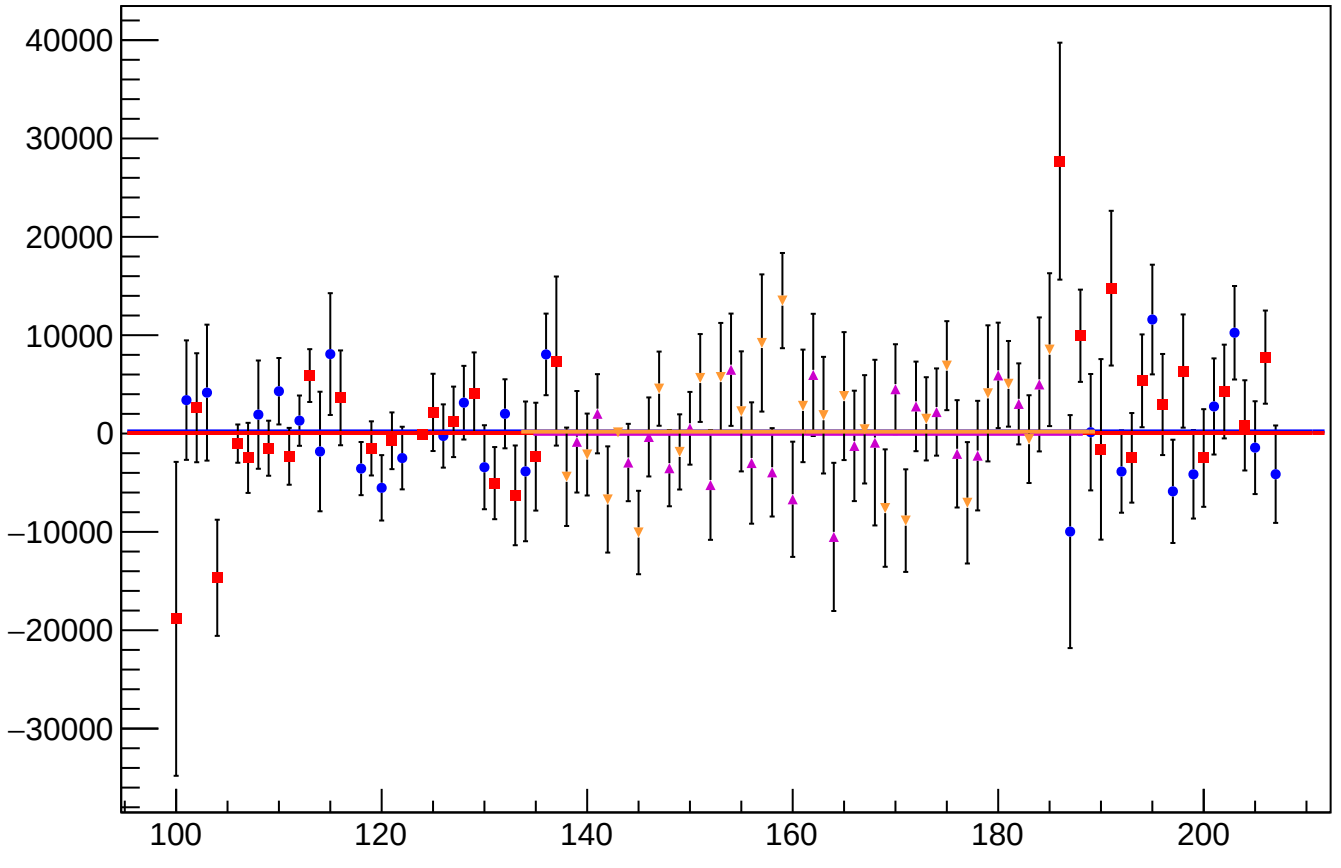
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1642.549+/-0.208 χ^2/NDF: 582354.8/56

In: 1661.455+/-0.204 χ^2/NDF:300614.2/48

Out: 1679.486+/-0.200 χ^2/NDF:887730.4/55

All: 1670.659+/-0.143 χ^2/NDF: 1192330.8/10



Right In: 215.912+/-826.211 χ^2/NDF: 29.0/25

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

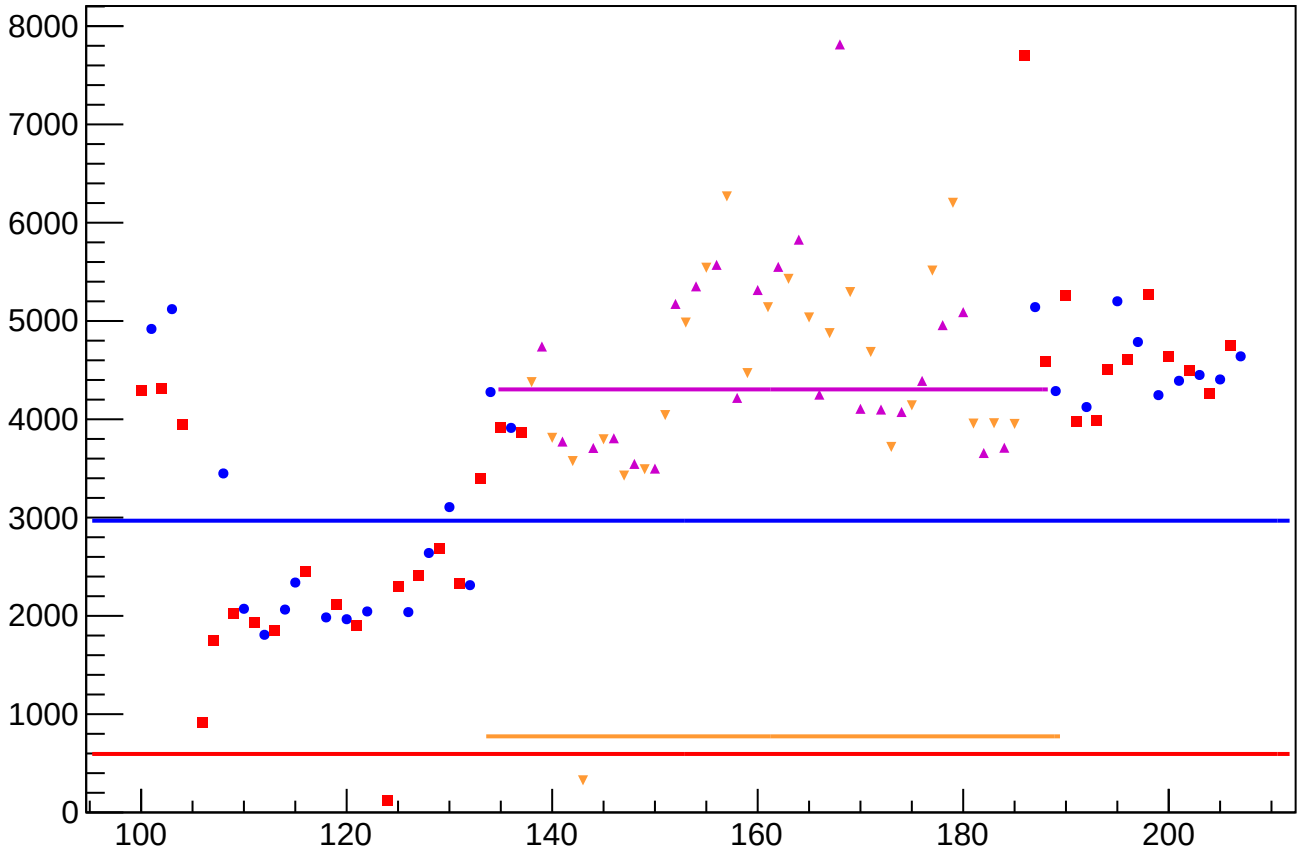
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 76.885+/-295.838 χ^2/NDF: 70.2/56

In: 119.618+/-643.375 χ^2/NDF:42.3/48

Out: 119.520+/-232.782 χ^2/NDF:75.2/55

All: 119.532+/-218.895 χ^2/NDF: 117.5/104



Right In: 2968.255+/-0.584 χ^2/NDF: 3892564.2/25

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

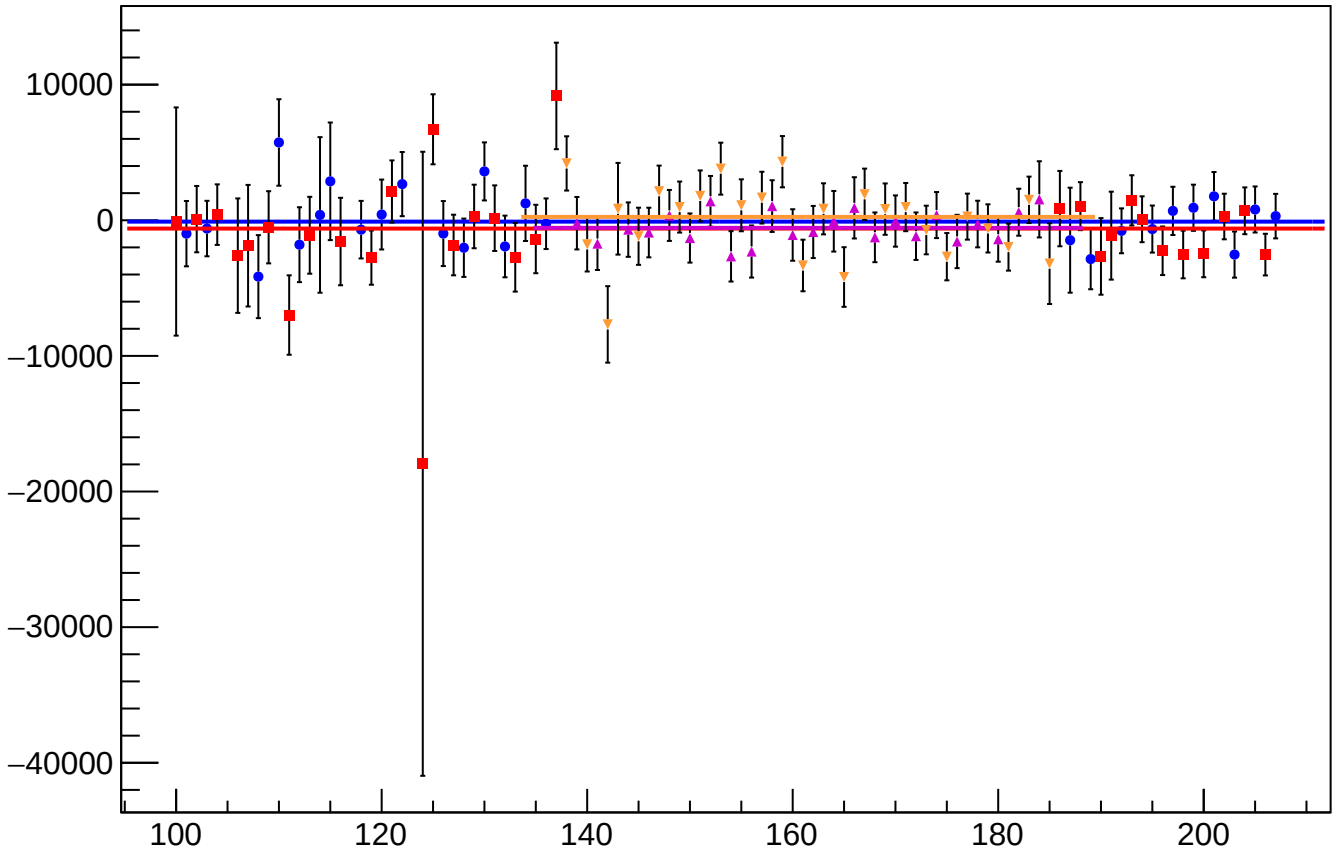
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 899.404+/-0.209 χ^2/NDF: 43471682.5/56

In: 3494.029+/-0.455 χ^2/NDF:7166802.1/48

Out: 677.567+/-0.165 χ^2/NDF:53574260.6/55

All: 1003.590+/-0.155 χ^2/NDF: 94631786.9/1



Right In: -100.400+/-422.406 χ^2/NDF: 18.4/25

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

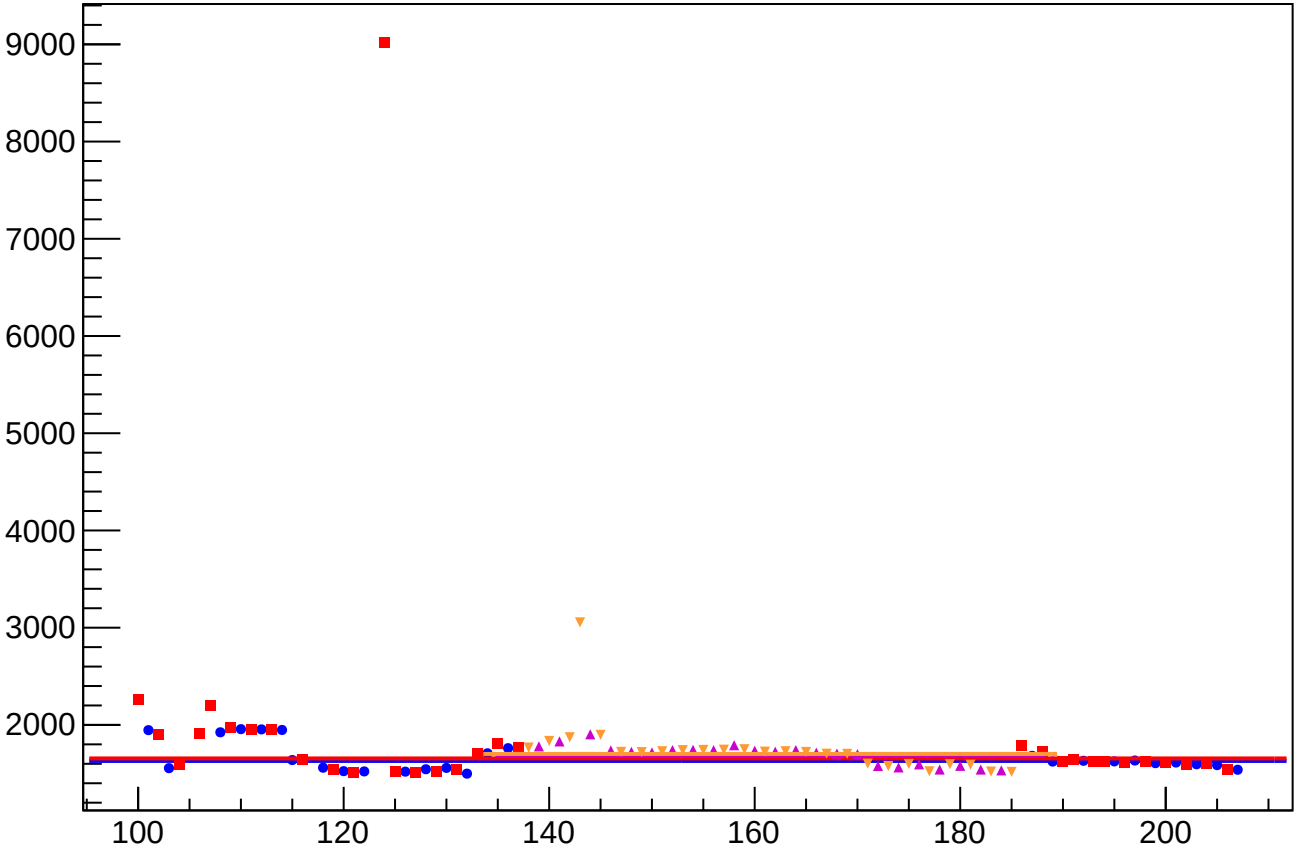
Right: -362.552+/-294.995 χ^2/NDF: 52.1/56

In: -345.506+/-288.553 χ^2/NDF:26.6/48

Out: -156.923+/-282.830 χ^2/NDF:74.8/55

All: -249.326+/-201.984 χ^2/NDF: 101.6/104

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.678+/-0.299 χ^2/NDF: 157073.9/25

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

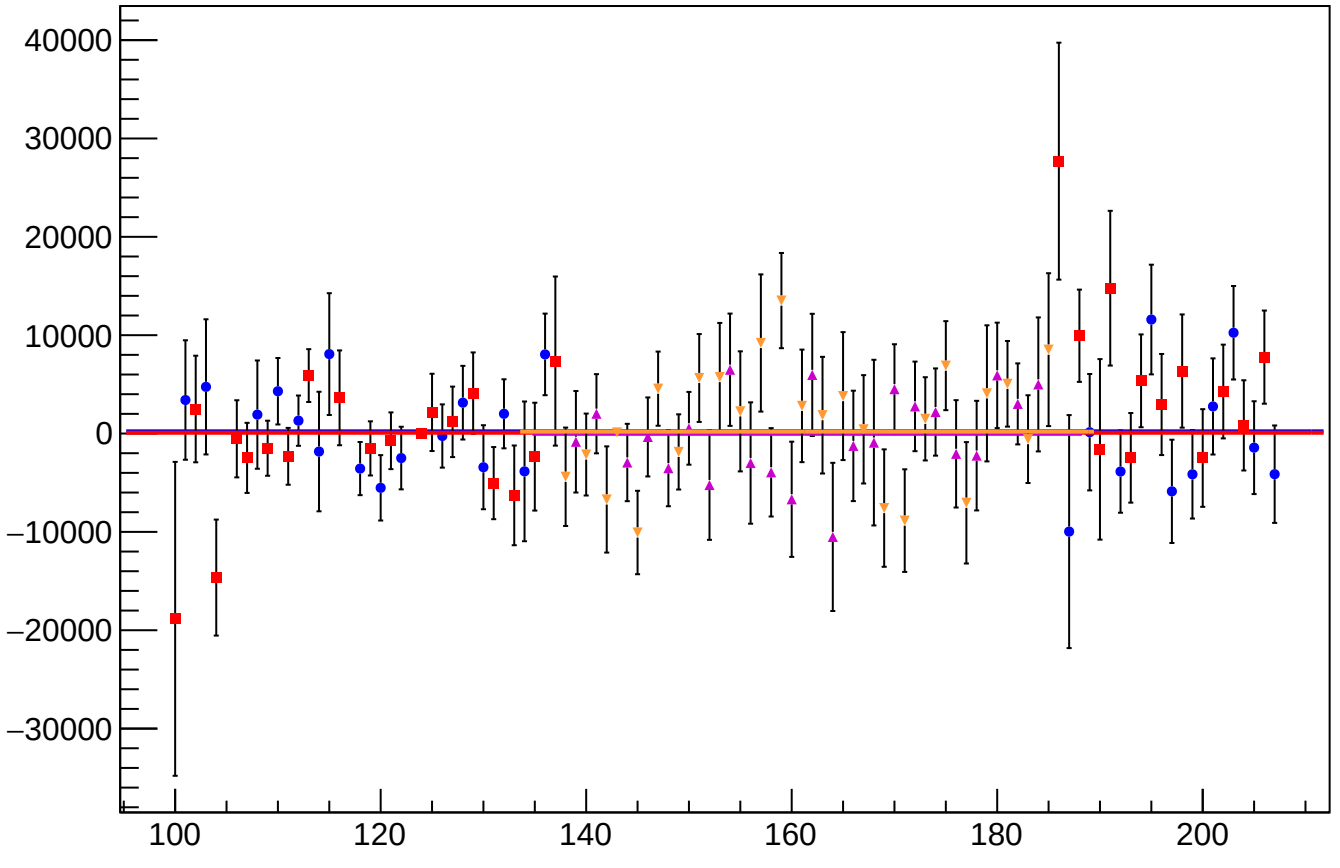
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1642.711+/-0.208 χ^2/NDF: 584525.1/56

In: 1661.455+/-0.204 χ^2/NDF:300614.3/48

Out: 1679.642+/-0.200 χ^2/NDF:889618.7/55

All: 1670.738+/-0.143 χ^2/NDF: 1194288.0/10



Right In: 225.257+/-826.136 χ^2/NDF: 29.1/25

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

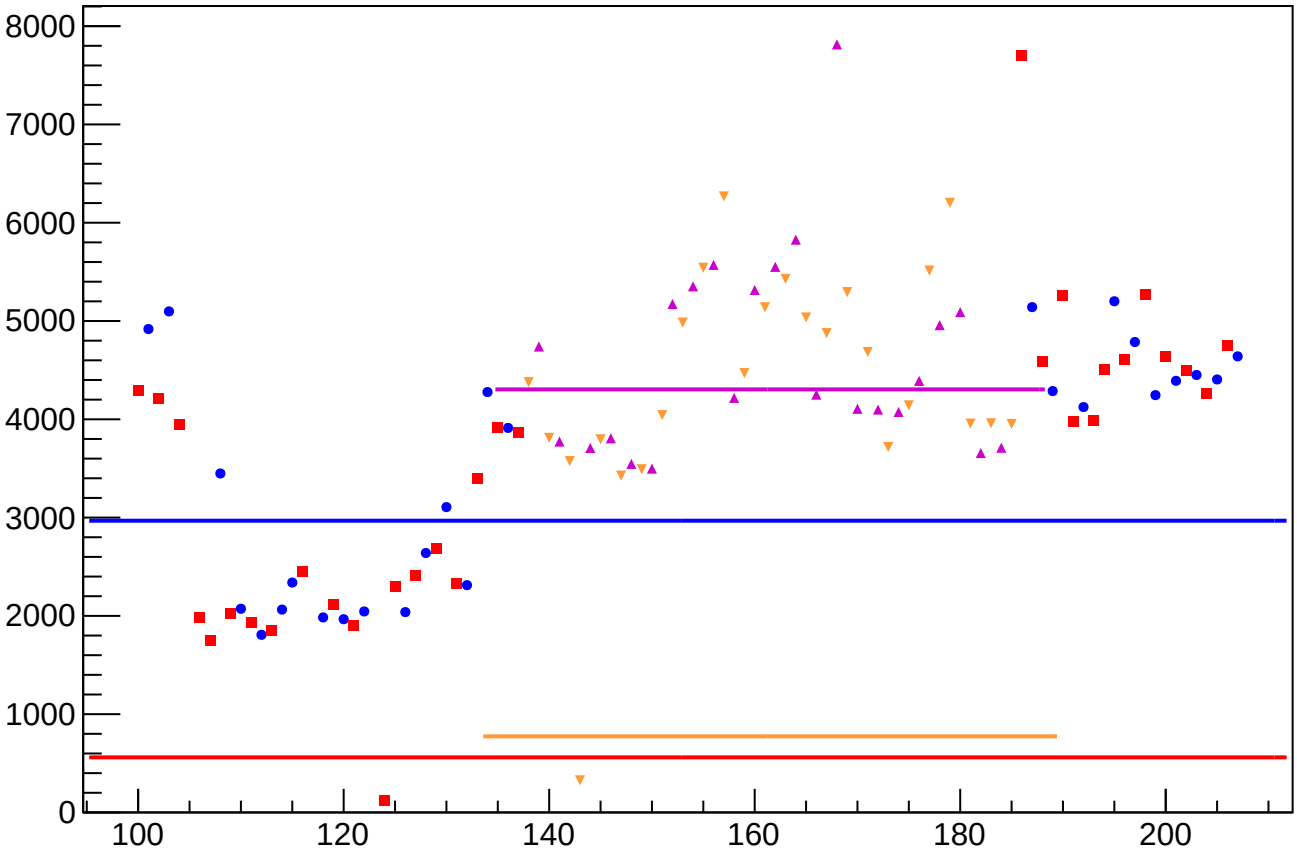
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 97.832+/-289.724 χ^2/NDF: 70.0/56

In: 125.280+/-643.340 χ^2/NDF:42.4/48

Out: 131.063+/-229.763 χ^2/NDF:74.8/55

All: 130.409+/-216.378 χ^2/NDF: 117.3/104



Right In: 2968.279+/-0.584 χ^2/NDF: 3890640.1/25

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

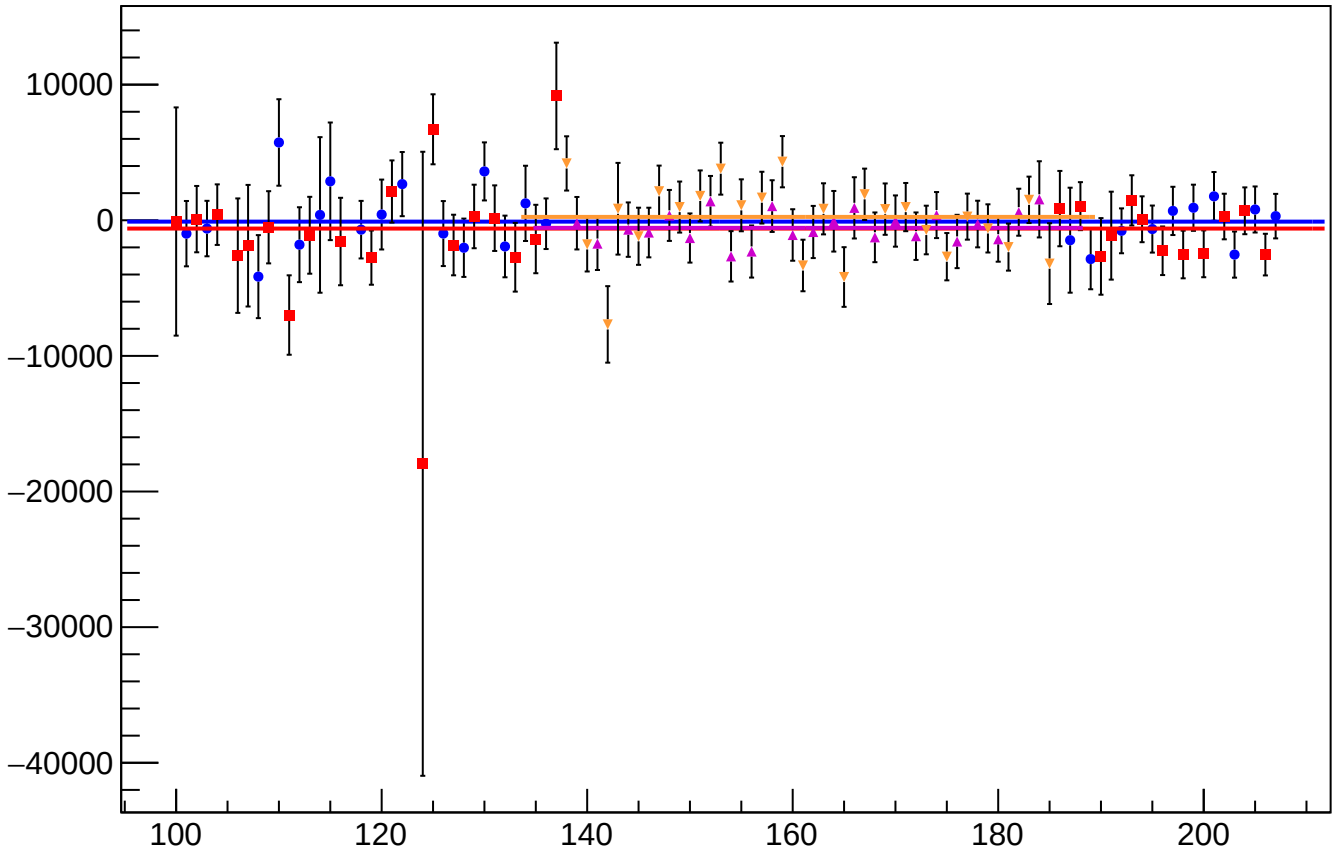
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 856.608+/-0.205 χ^2/NDF: 44542675.2/56

In: 3493.985+/-0.455 χ^2/NDF:7164929.7/48

Out: 656.291+/-0.162 χ^2/NDF:54266680.0/55

All: 977.294+/-0.153 χ^2/NDF: 95941600.3/10



Right In: -100.400+/-422.406 χ^2/NDF: 18.4/25

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

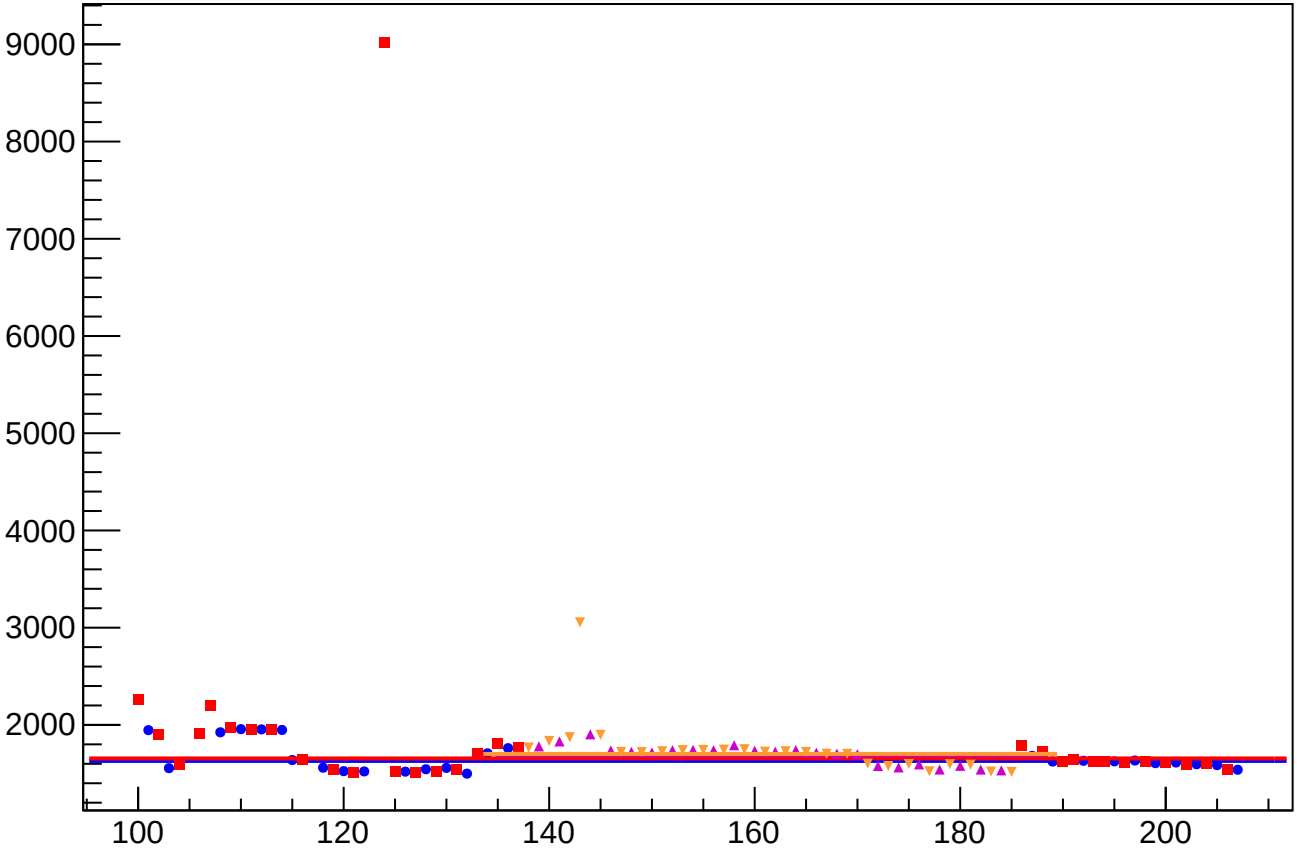
Right: -362.552+/-294.995 χ^2/NDF: 52.1/56

In: -345.506+/-288.553 χ^2/NDF:26.6/48

Out: -156.923+/-282.830 χ^2/NDF:74.8/55

All: -249.326+/-201.984 χ^2/NDF: 101.6/104

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1629.678+/-0.299 χ^2/NDF: 157073.9/25

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

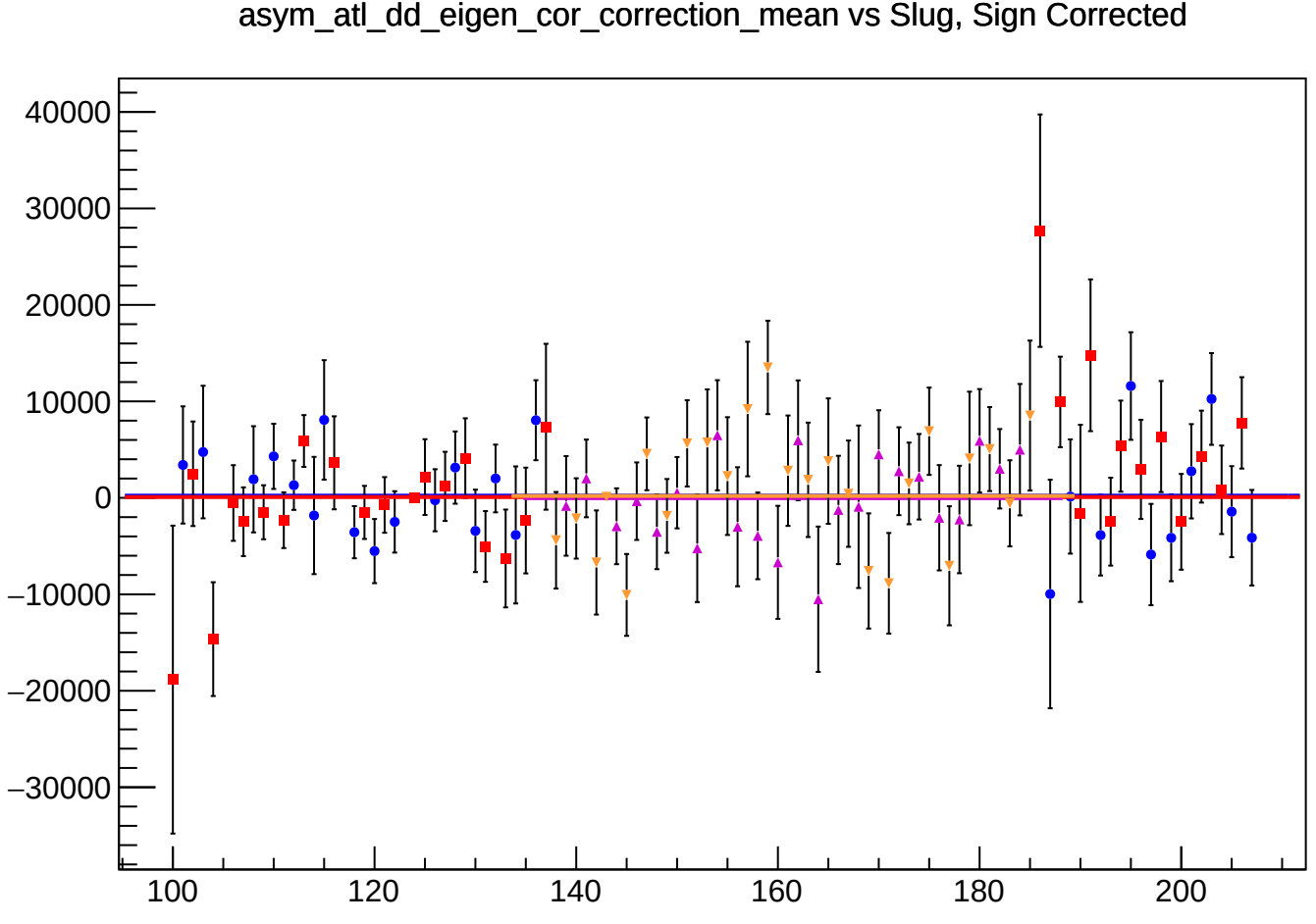
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1642.711+/-0.208 χ^2/NDF: 584525.1/56

In: 1661.455+/-0.204 χ^2/NDF:300614.3/48

Out: 1679.642+/-0.200 χ^2/NDF:889618.7/55

All: 1670.738+/-0.143 χ^2/NDF: 1194288.0/10



Right In: 225.257+/-826.136 χ^2/NDF: 29.1/25

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

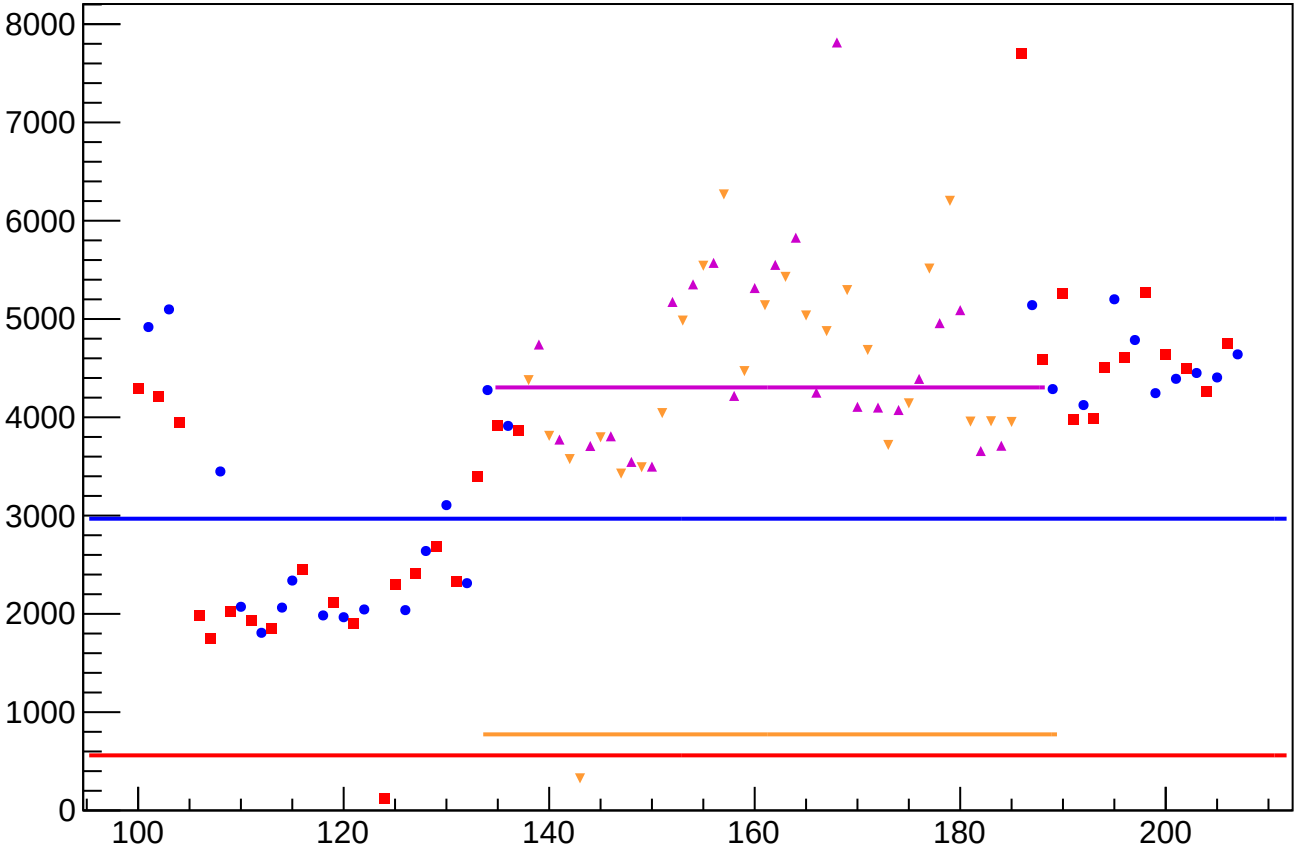
Right: 97.832+/-289.724 χ^2/NDF: 70.0/56

In: 125.280+/-643.340 χ^2/NDF:42.4/48

Out: 131.063+/-229.763 χ^2/NDF:74.8/55

All: 130.409+/-216.378 χ^2/NDF: 117.3/104

asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2968.279+/-0.584 χ^2/NDF: 3890640.1/25

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

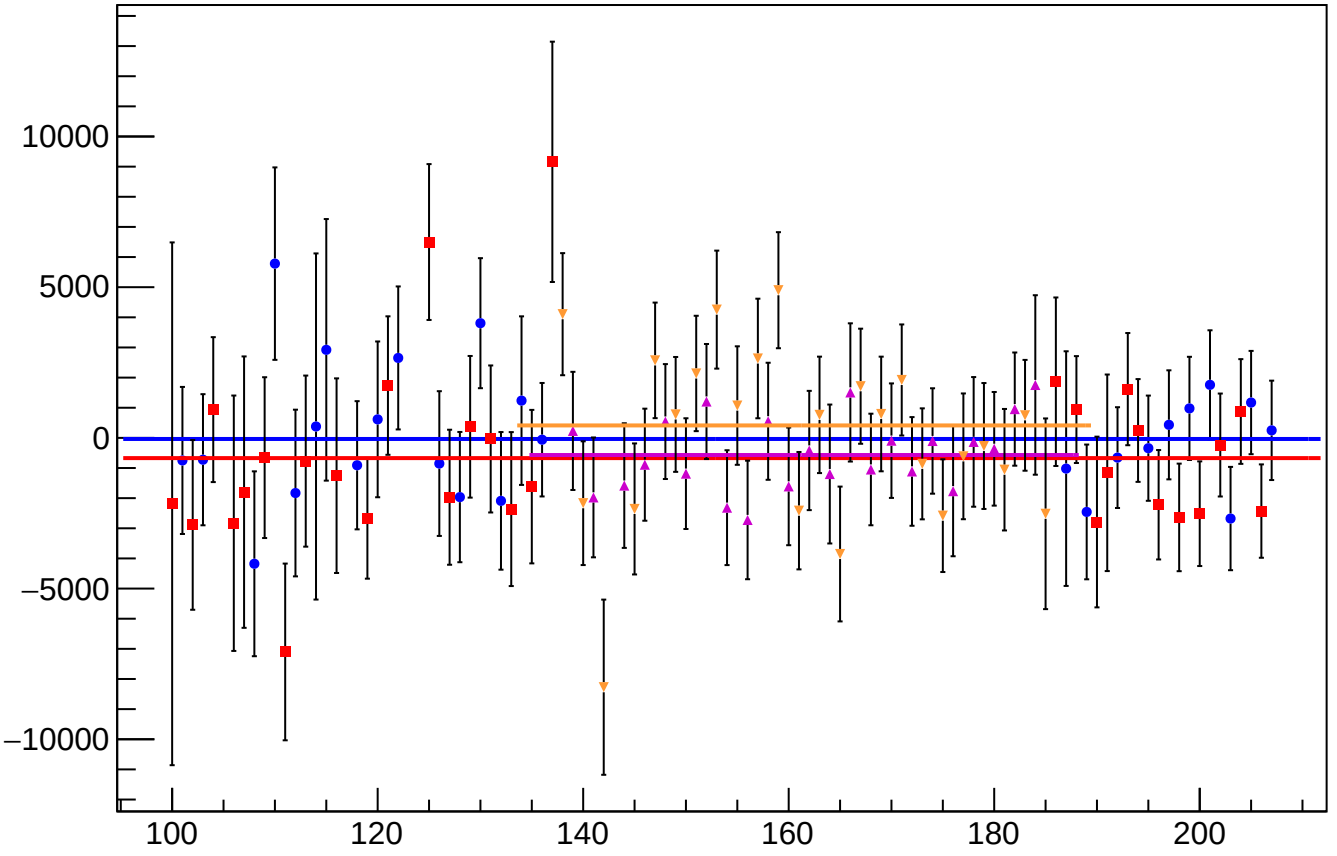
Right: 856.608+/-0.205 χ^2/NDF: 44542675.2/56

In: 3493.985+/-0.455 χ^2/NDF:7164929.7/48

Out: 656.291+/-0.162 χ^2/NDF:54266680.0/55

All: 977.294+/-0.153 χ^2/NDF: 95941600.3/10

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -36.077+/-426.271 χ^2/NDF: 18.5/25

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

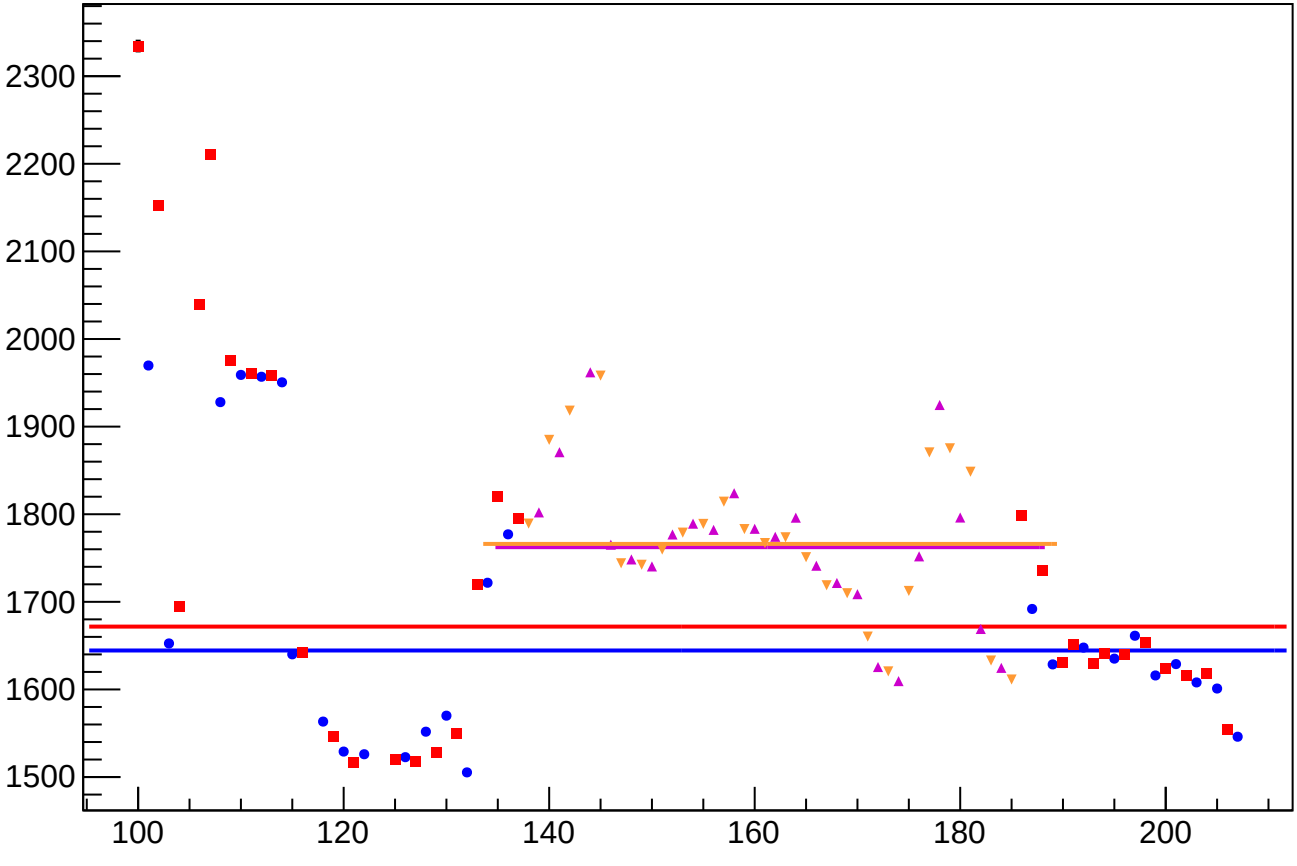
Right: -360.260+/-298.248 χ^2/NDF: 52.2/55

In: -311.483+/-296.264 χ^2/NDF:27.1/48

Out: -119.878+/-292.703 χ^2/NDF:76.0/53

All: -214.522+/-208.220 χ^2/NDF: 103.3/102

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1644.468+/-0.301 χ^2/NDF: 155891.8/25

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

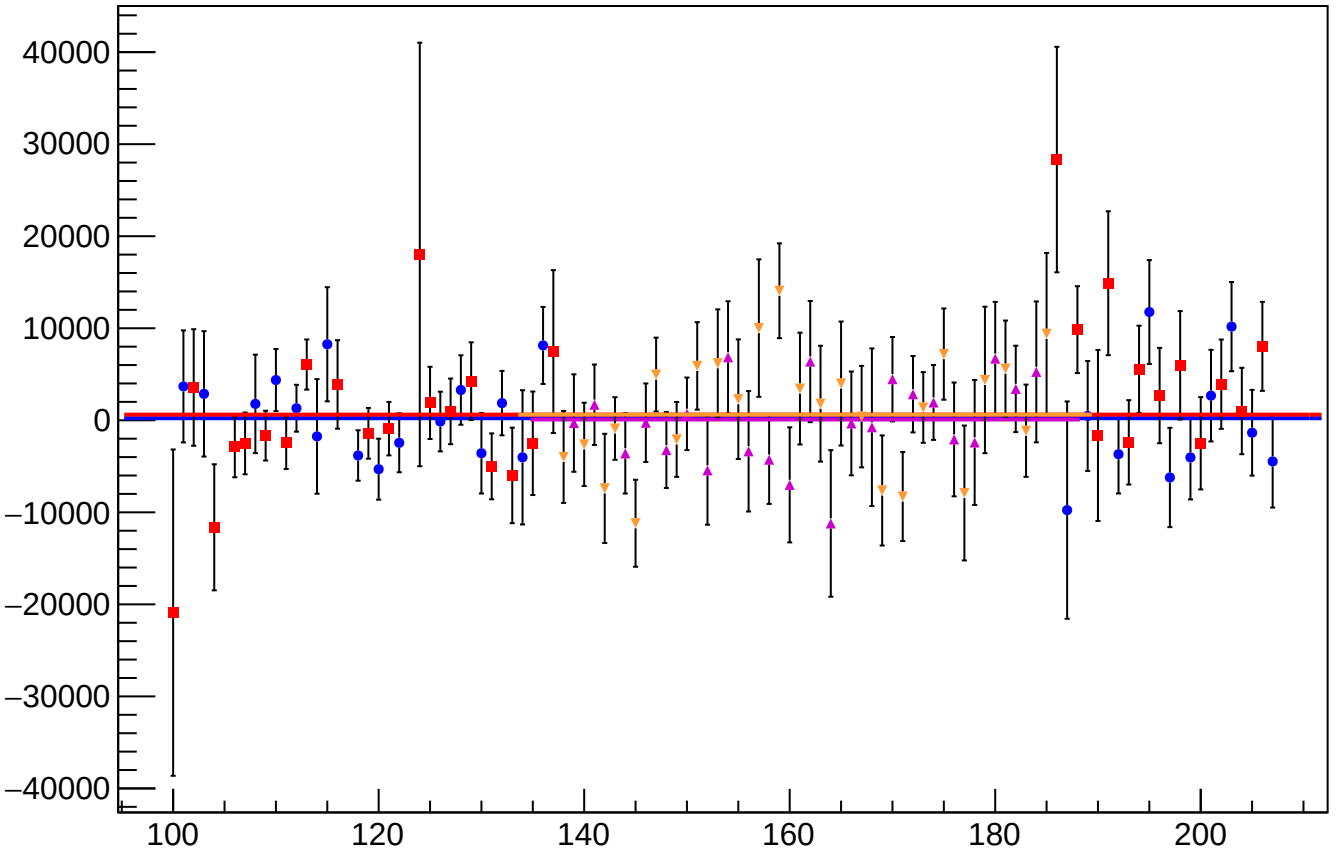
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1658.401+/-0.211 χ^2/NDF: 424736.7/55

In: 1705.437+/-0.209 χ^2/NDF:315125.4/48

Out: 1719.667+/-0.207 χ^2/NDF:399935.8/53

All: 1712.641+/-0.147 χ^2/NDF: 717397.3/102



Right In: 222.659+/-831.212 χ^2/NDF: 28.8/25

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

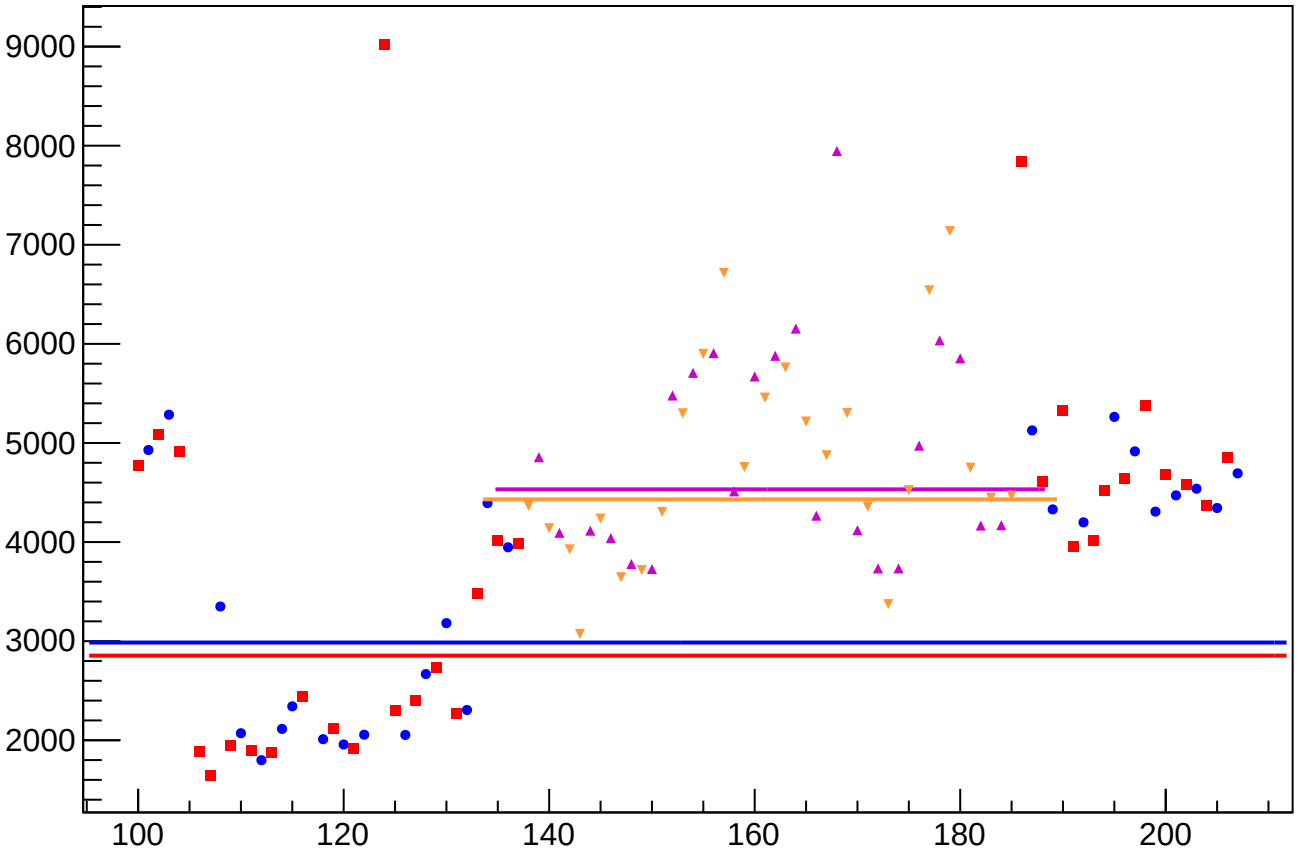
Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

Right: 434.027+/-564.749 χ^2/NDF: 67.4/56

In: 171.789+/-659.276 χ^2/NDF:41.7/48

Out: 616.827+/-617.550 χ^2/NDF:71.6/55

All: 408.836+/-450.703 χ^2/NDF: 113.5/104



Right In: 2986.048+/-0.588 χ^2/NDF: 4001525.6/25

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

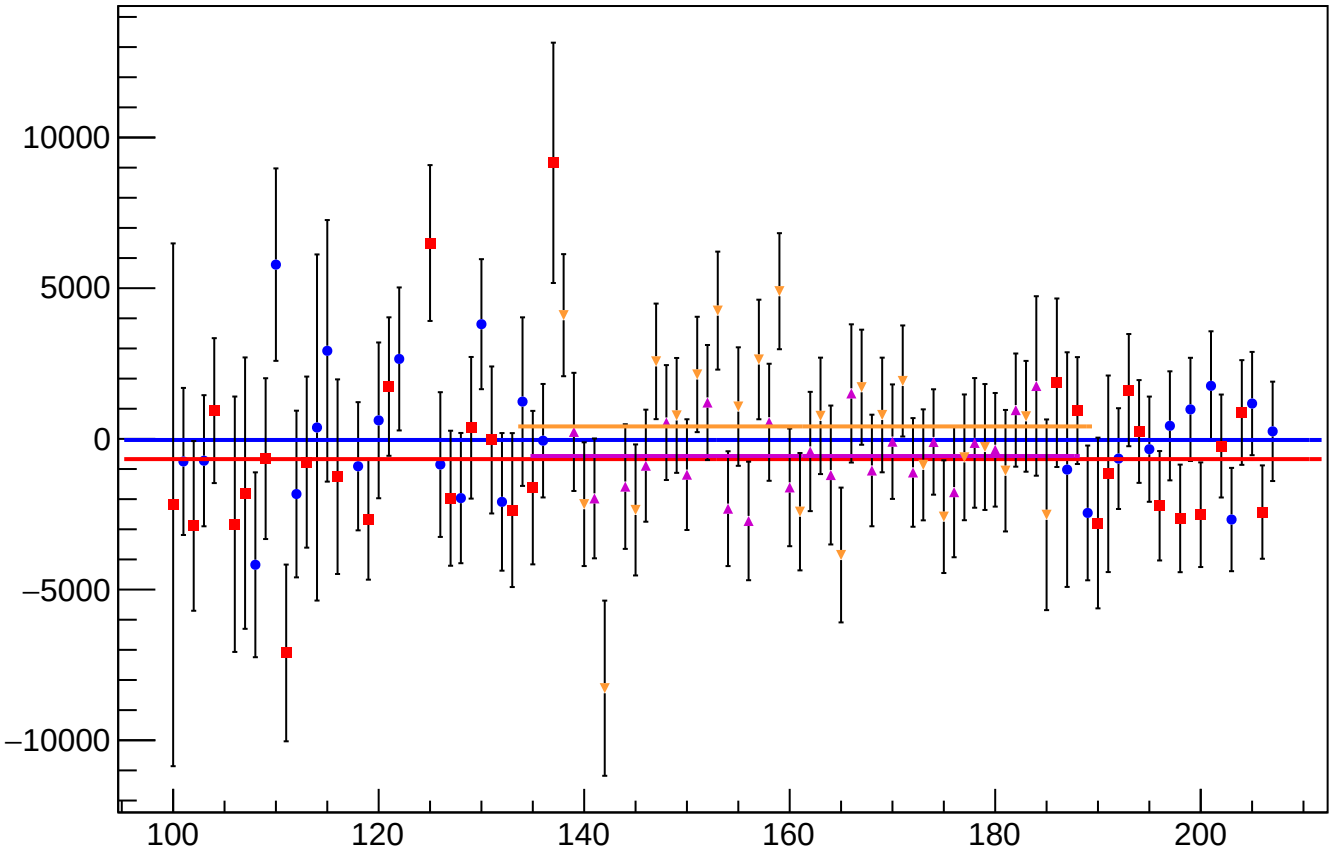
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2914.909+/-0.399 χ^2/NDF: 9245403.4/56

In: 3559.441+/-0.466 χ^2/NDF:7943892.8/48

Out: 3415.672+/-0.437 χ^2/NDF:9820521.5/55

All: 3482.863+/-0.319 χ^2/NDF: 17815074.2/



Right In: -36.078+/-426.271 χ^2/NDF: 18.5/25

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

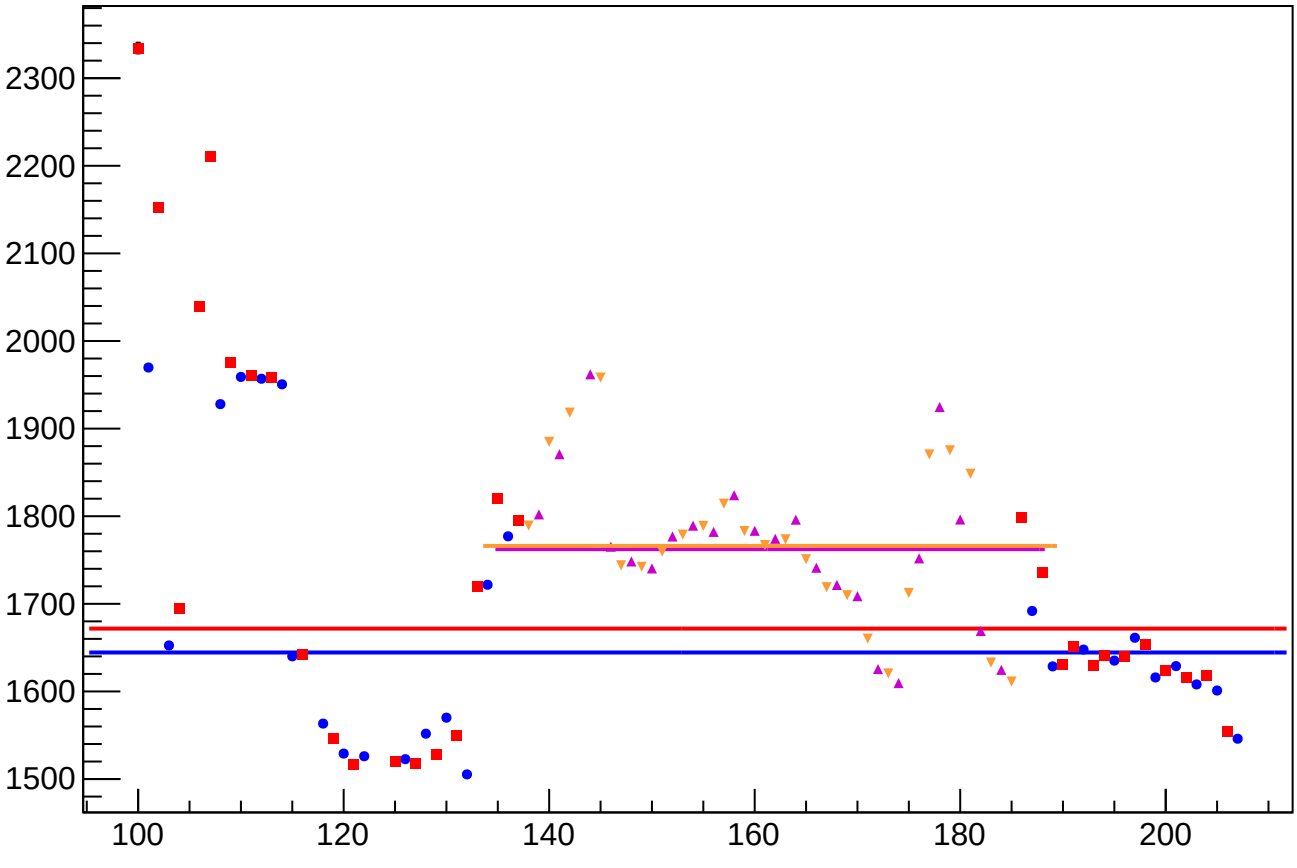
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -360.259+/-298.248 χ^2/NDF: 52.2/55

In: -311.483+/-296.264 χ^2/NDF:27.1/48

Out: -119.876+/-292.703 χ^2/NDF:76.0/53

All: -214.521+/-208.220 χ^2/NDF: 103.3/102



Right In: 1644.468+/-0.301 χ^2/NDF: 155891.8/25

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

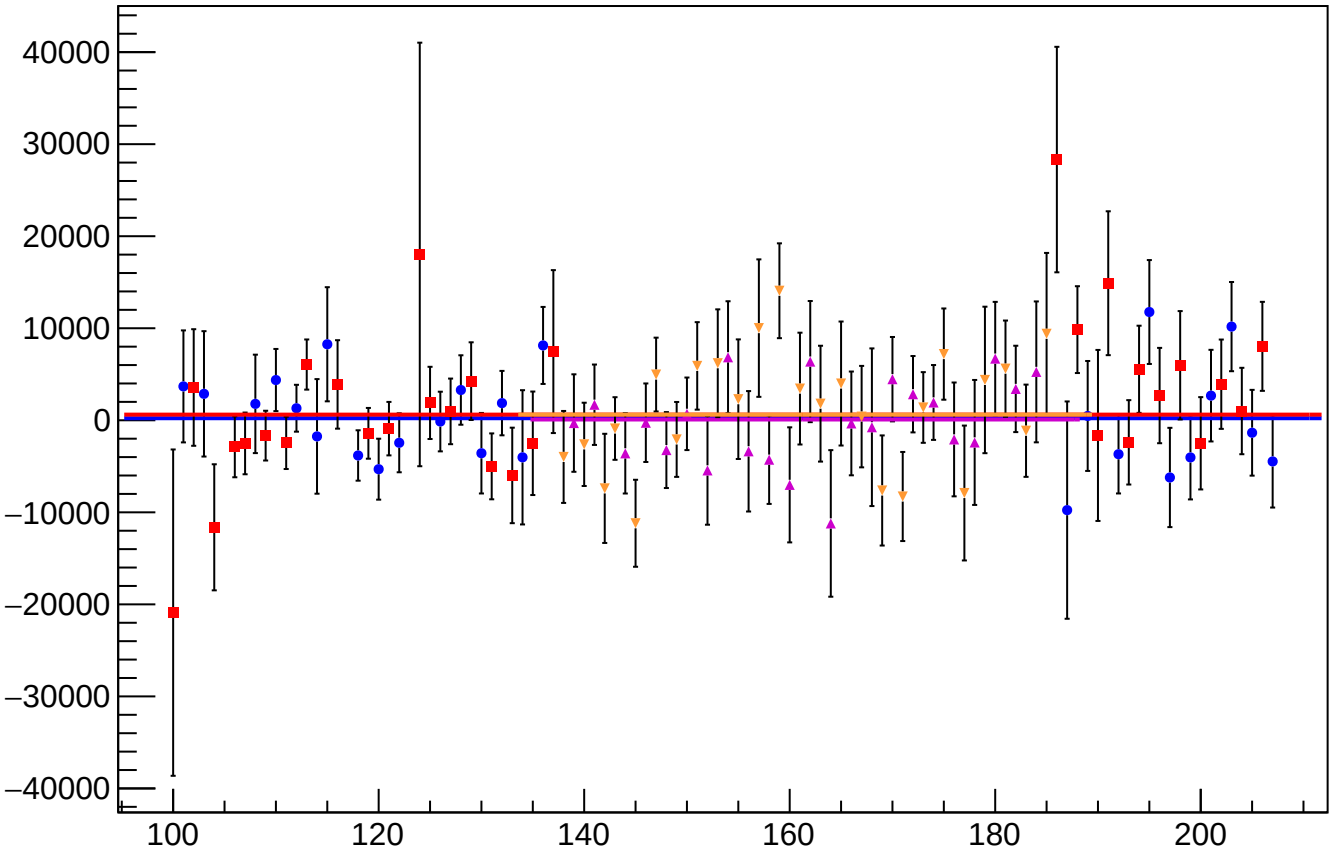
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1658.401+/-0.211 χ^2/NDF: 424735.4/55

In: 1705.437+/-0.209 χ^2/NDF:315129.3/48

Out: 1719.667+/-0.207 χ^2/NDF:399938.3/53

All: 1712.642+/-0.147 χ^2/NDF: 717403.7/102



Right In: 222.654+/-831.210 χ^2/NDF: 28.8/25

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

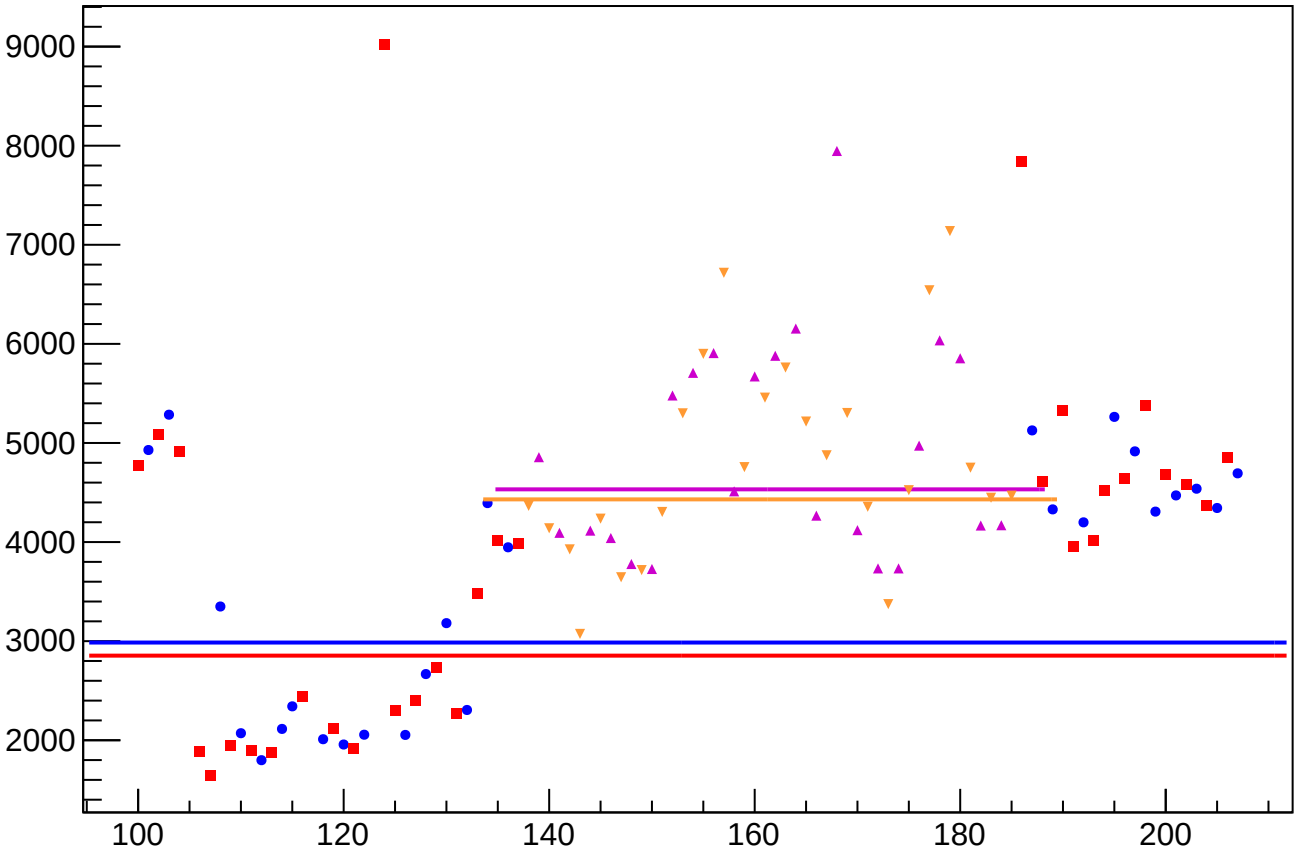
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 434.020+/-564.748 χ^2/NDF: 67.4/56

In: 171.786+/-659.275 χ^2/NDF:41.7/48

Out: 616.824+/-617.549 χ^2/NDF:71.6/55

All: 408.833+/-450.703 χ^2/NDF: 113.5/104



Right In: 2986.038+/-0.588 χ^2/NDF: 4001584.4/25

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

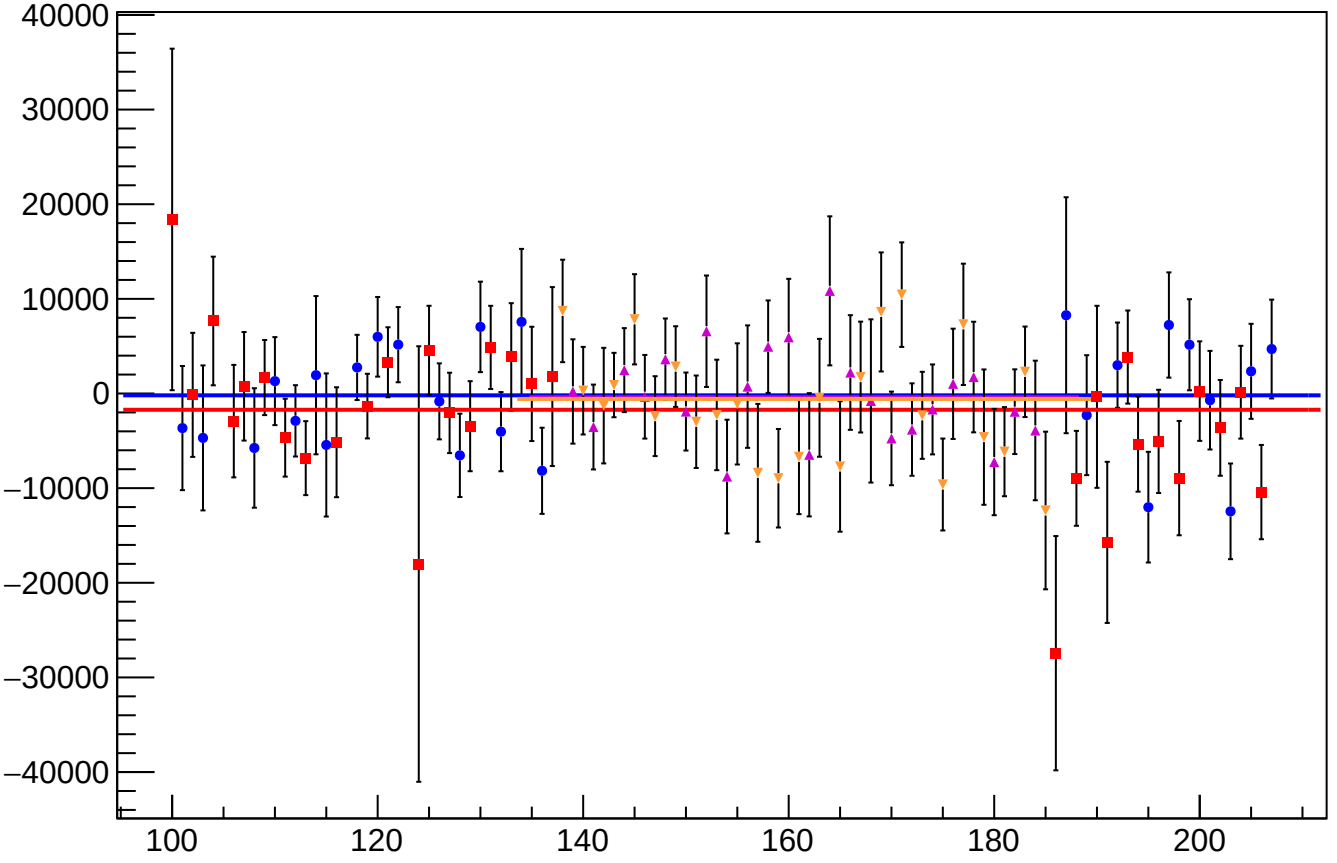
Right: 2914.900+/-0.399 χ^2/NDF: 9245514.5/56

In: 3559.434+/-0.466 χ^2/NDF:7944010.1/48

Out: 3415.666+/-0.437 χ^2/NDF:9820635.3/55

All: 3482.857+/-0.319 χ^2/NDF: 17815305.0/1

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -192.873+/-982.811 χ^2/NDF: 31.8/25

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

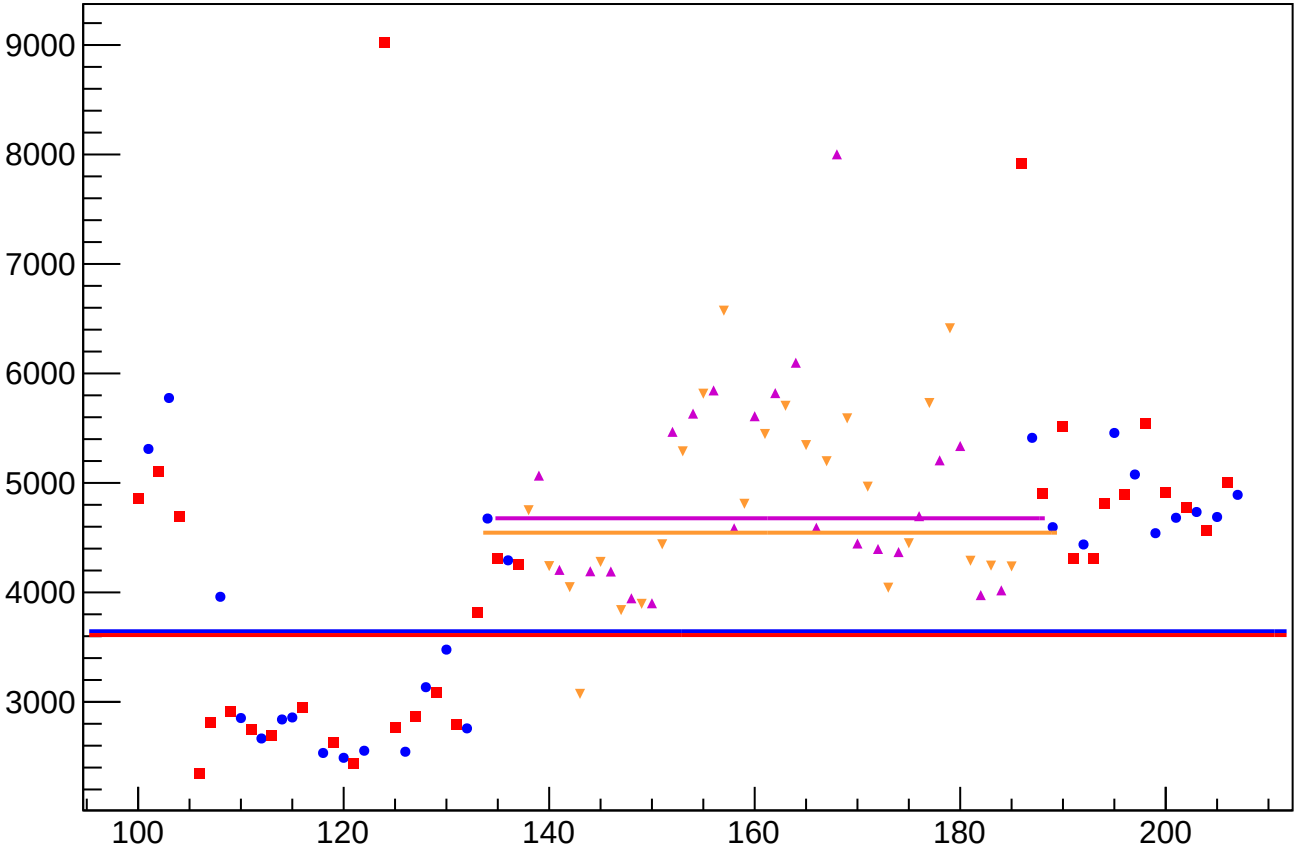
Right: -986.667+/-680.970 χ^2/NDF: 63.8/56

In: -283.240+/-735.681 χ^2/NDF:45.8/48

Out: -1209.515+/-703.612 χ^2/NDF:60.2/55

All: -767.006+/-508.488 χ^2/NDF: 106.9/104

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3645.021+/-0.695 χ^2/NDF: 2291447.9/25

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

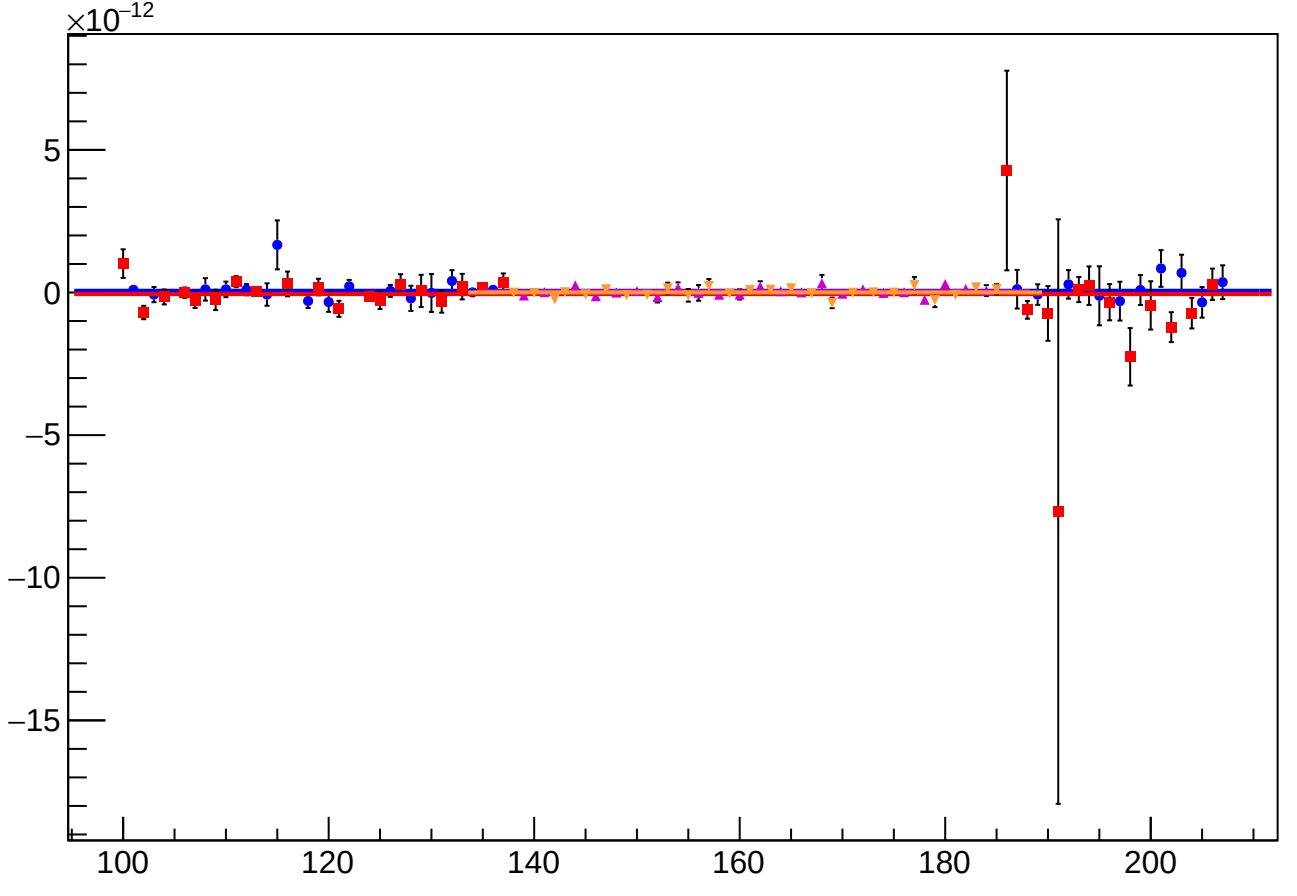
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3626.876+/-0.479 χ^2/NDF: 5071460.5/56

In: 4098.779+/-0.520 χ^2/NDF:4220963.7/48

Out: 4022.248+/-0.495 χ^2/NDF:4916685.7/55

All: 4058.614+/-0.359 χ^2/NDF: 9149008.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 13.3/25

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

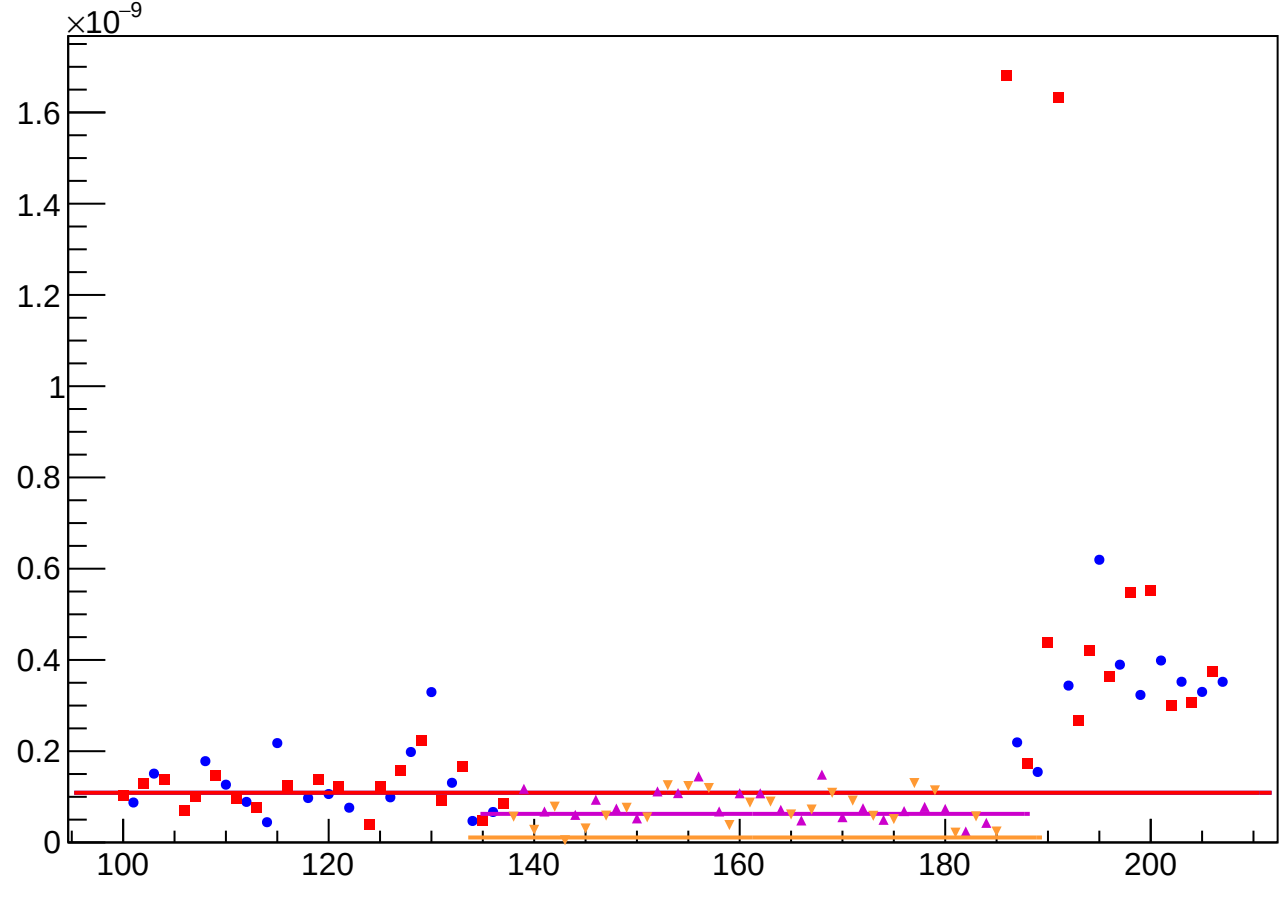
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: 0.000+/-0.000 χ^2/NDF: 64.4/56

In: 0.000+/-0.000 χ^2/NDF:34.0/48

Out: 0.000+/-0.000 χ^2/NDF:68.1/55

All: 0.000+/-0.000 χ^2/NDF: 105.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 4251242.4/25

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

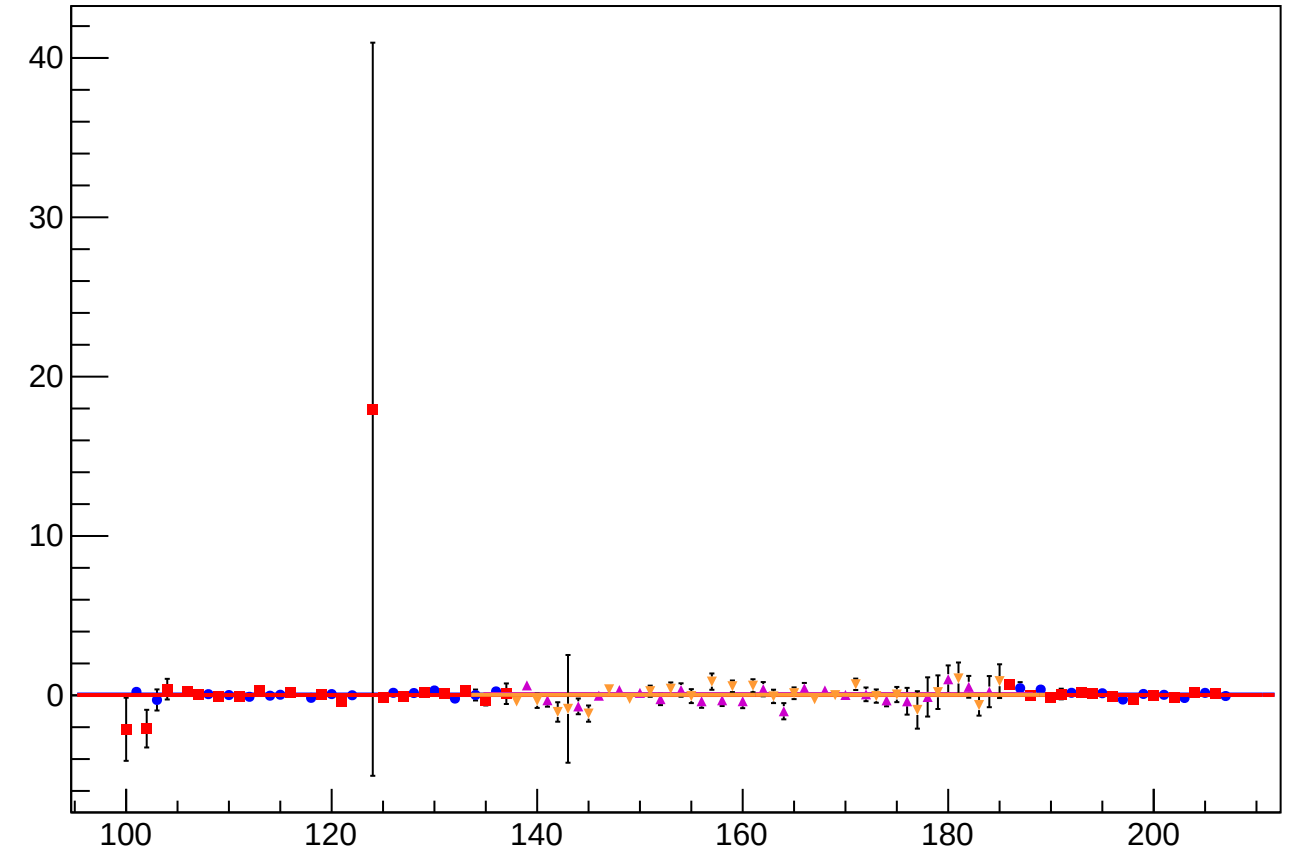
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9252809.9/56

In: 0.000+/-0.000 χ^2/NDF:7539445.5/48

Out: 0.000+/-0.000 χ^2/NDF:21380846.8/55

All: 0.000+/-0.000 χ^2/NDF: 39884314.4/104



Right In: 0.050+/-0.036 χ^2/NDF: 17.6/25

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

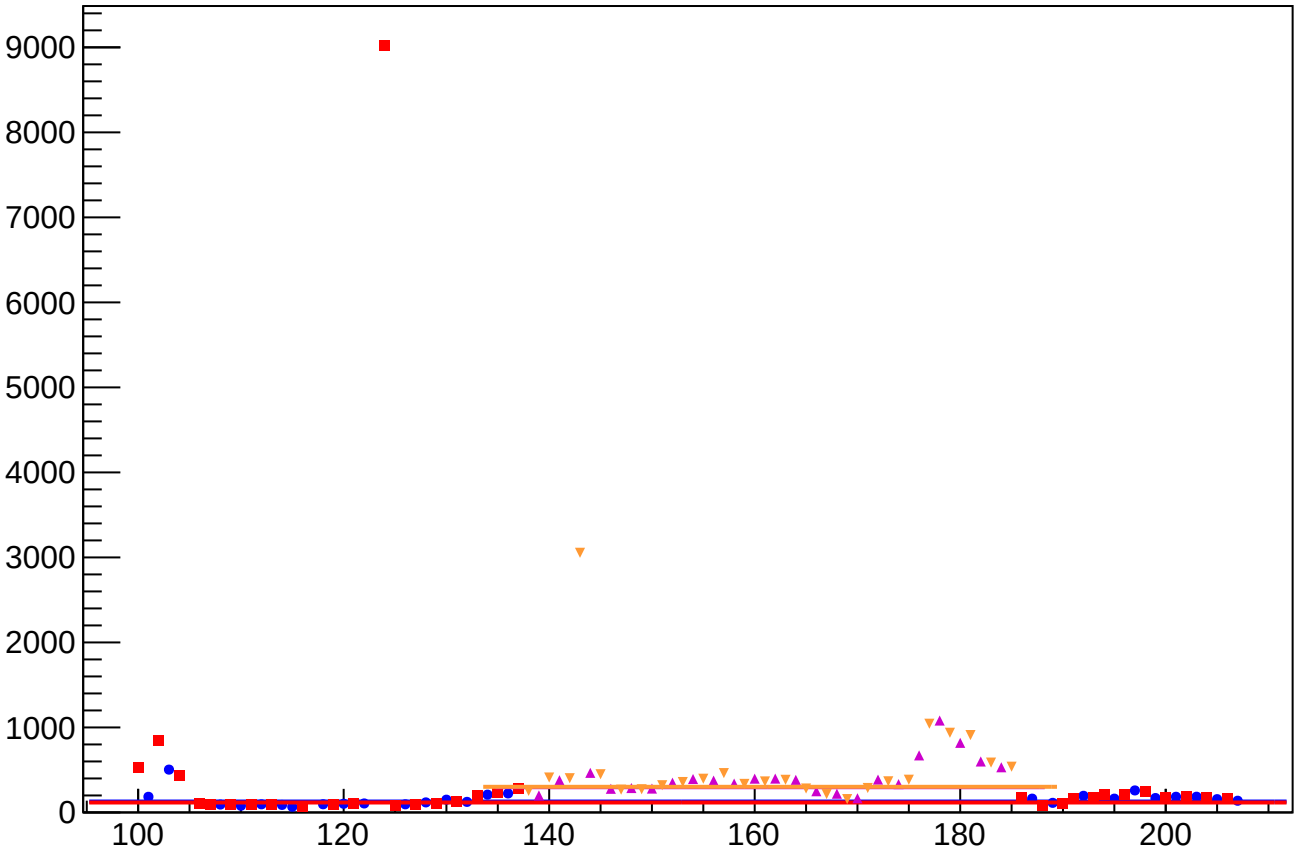
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.033+/-0.024 χ^2/NDF: 50.7/56

In: 0.055+/-0.033 χ^2/NDF:41.8/48

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.037+/-0.022 χ^2/NDF: 104.8/104



Right In: 128.577+/-0.026 χ^2/NDF: 3446508.0/25

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

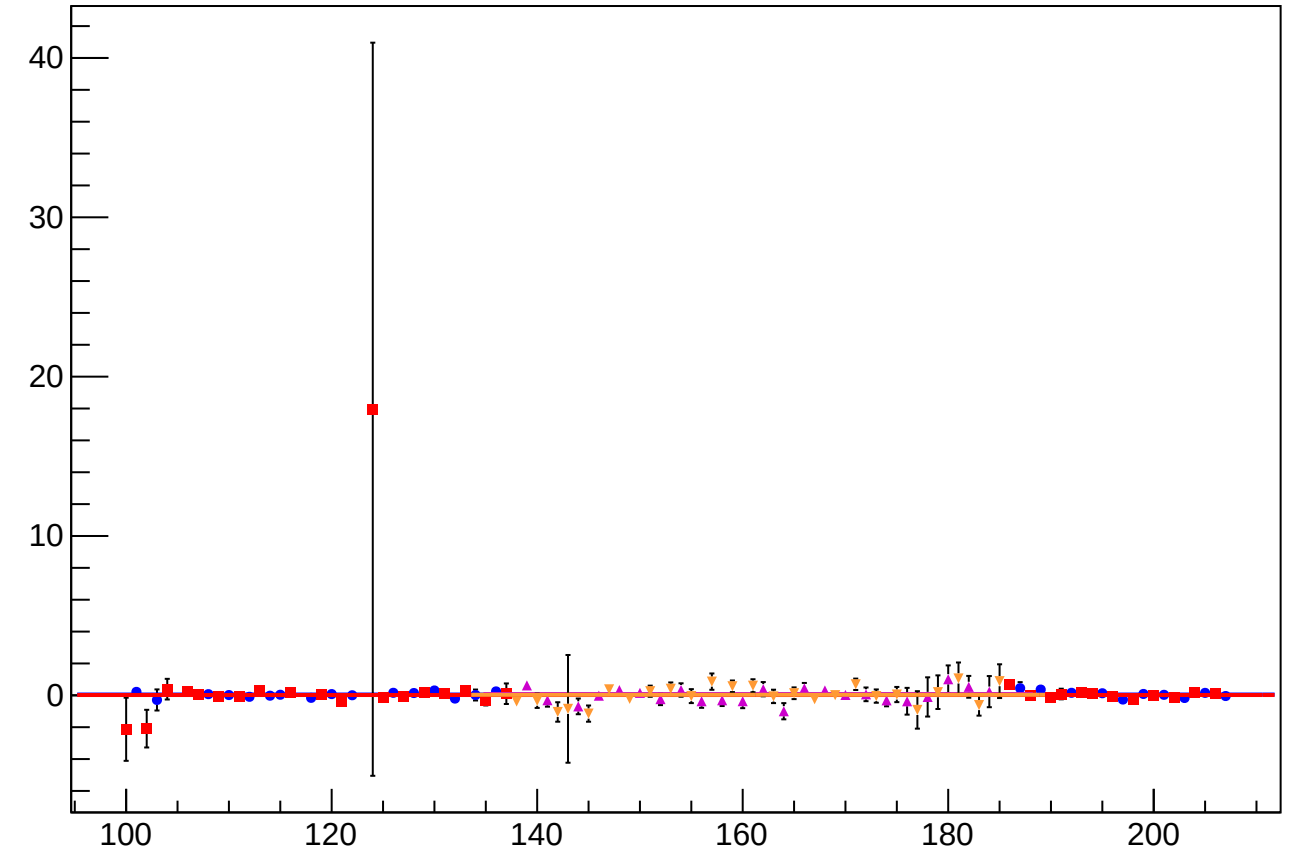
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 122.281+/-0.017 χ^2/NDF: 8963862.9/56

In: 160.119+/-0.023 χ^2/NDF:16389057.5/48

Out: 145.764+/-0.021 χ^2/NDF:21832650.6/55

All: 152.379+/-0.016 χ^2/NDF: 38428395.7/10



Right In: 0.050+/-0.036 χ^2/NDF: 17.6/25

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

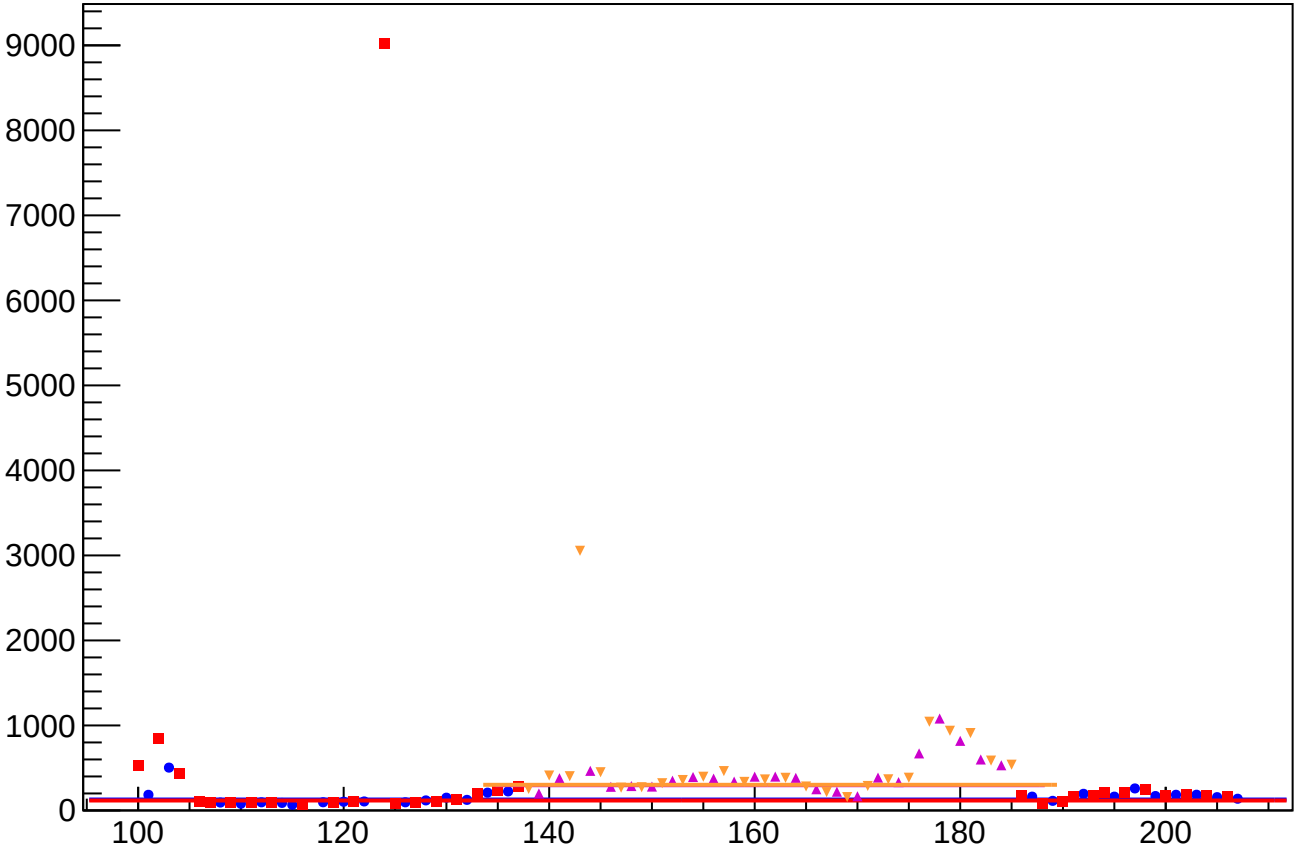
Right: 0.033+/-0.024 χ^2/NDF: 50.7/56

In: 0.055+/-0.033 χ^2/NDF:41.8/48

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.037+/-0.022 χ^2/NDF: 104.8/104

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.577+/-0.026 χ^2/NDF: 3446508.0/25

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

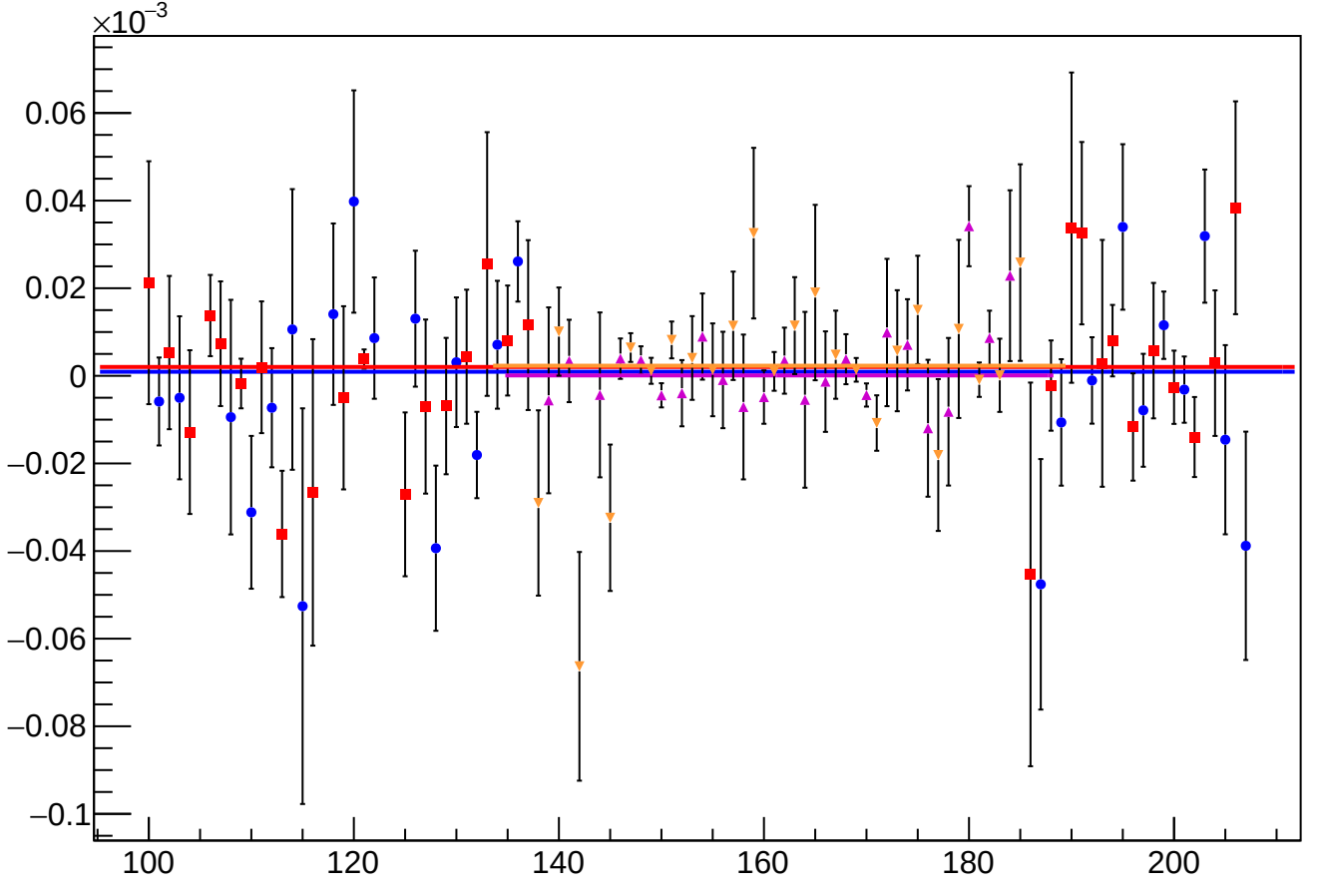
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 122.281+/-0.017 χ^2/NDF: 8963862.9/56

In: 160.119+/-0.023 χ^2/NDF:16389057.5/48

Out: 145.764+/-0.021 χ^2/NDF:21832650.6/55

All: 152.379+/-0.016 χ^2/NDF: 38428395.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 41.9/25

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

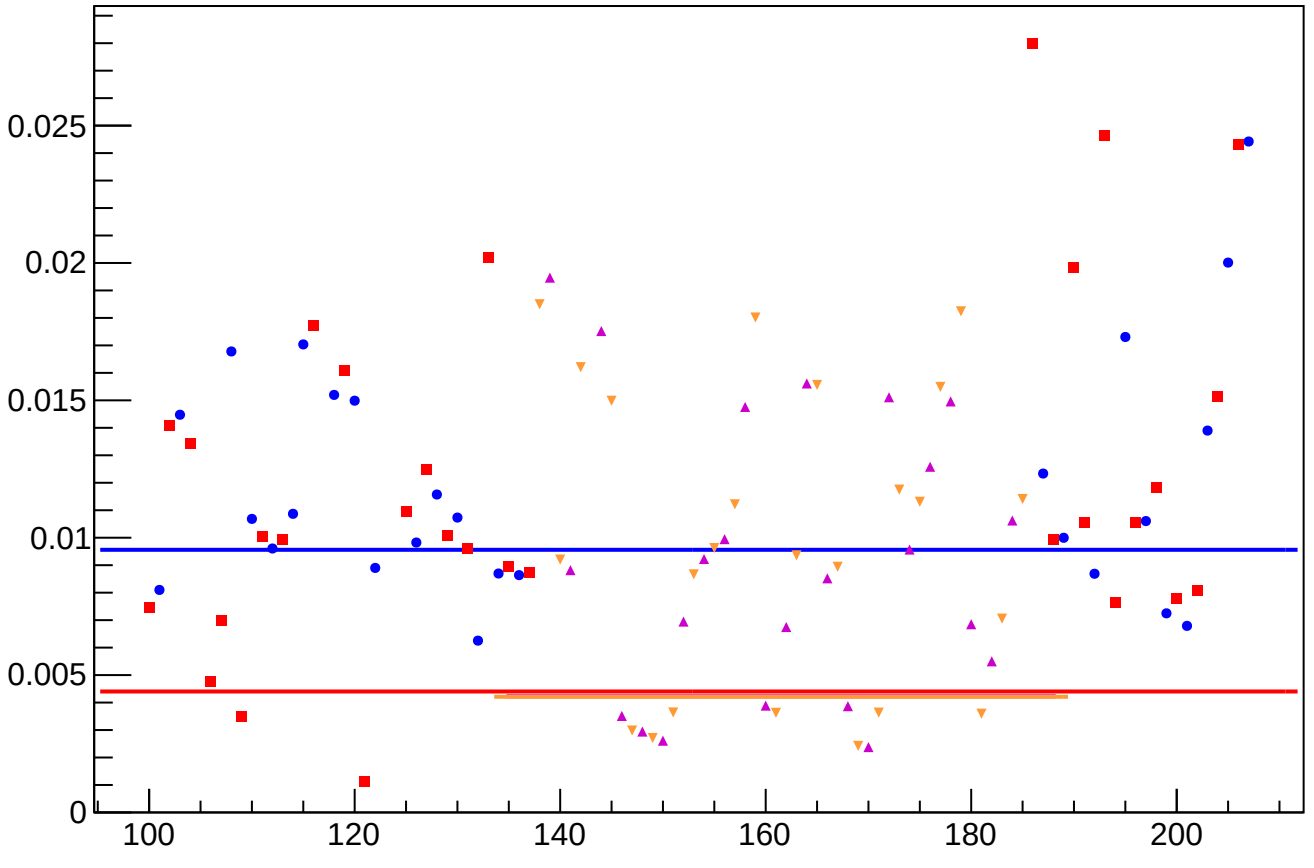
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 69.7/55

In: 0.000+/-0.000 χ^2/NDF:71.1/48

Out: 0.000+/-0.000 χ^2/NDF:58.8/53

All: 0.000+/-0.000 χ^2/NDF: 131.5/102



Right In: 0.010+/-0.000 χ^2/NDF: 3042545.3/25

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

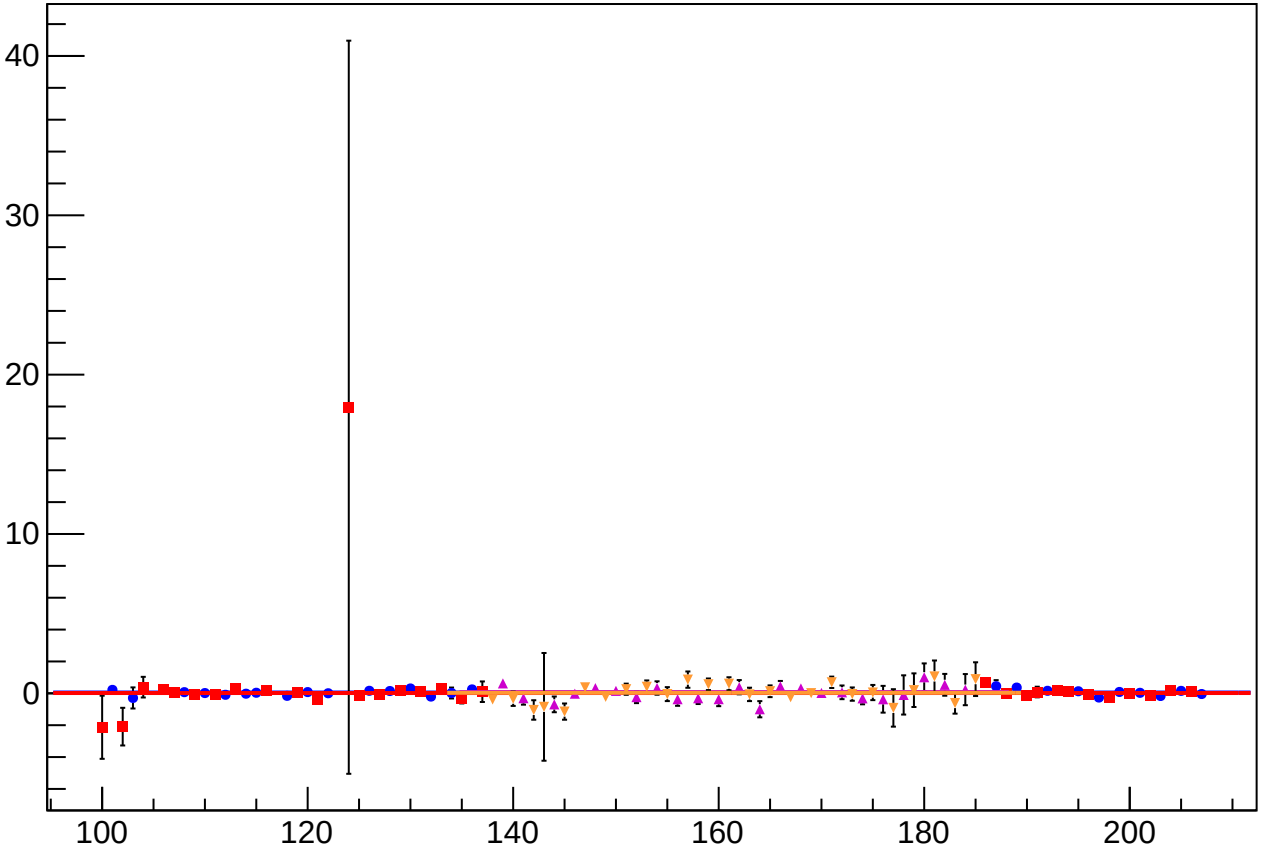
Right: 0.006+/-0.000 χ^2/NDF: 24484615.9/55

In: 0.005+/-0.000 χ^2/NDF:20542003.1/48

Out: 0.004+/-0.000 χ^2/NDF:28151426.5/53

All: 0.005+/-0.000 χ^2/NDF: 49438743.4/102

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.050+/-0.036 χ^2/NDF: 17.6/25

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

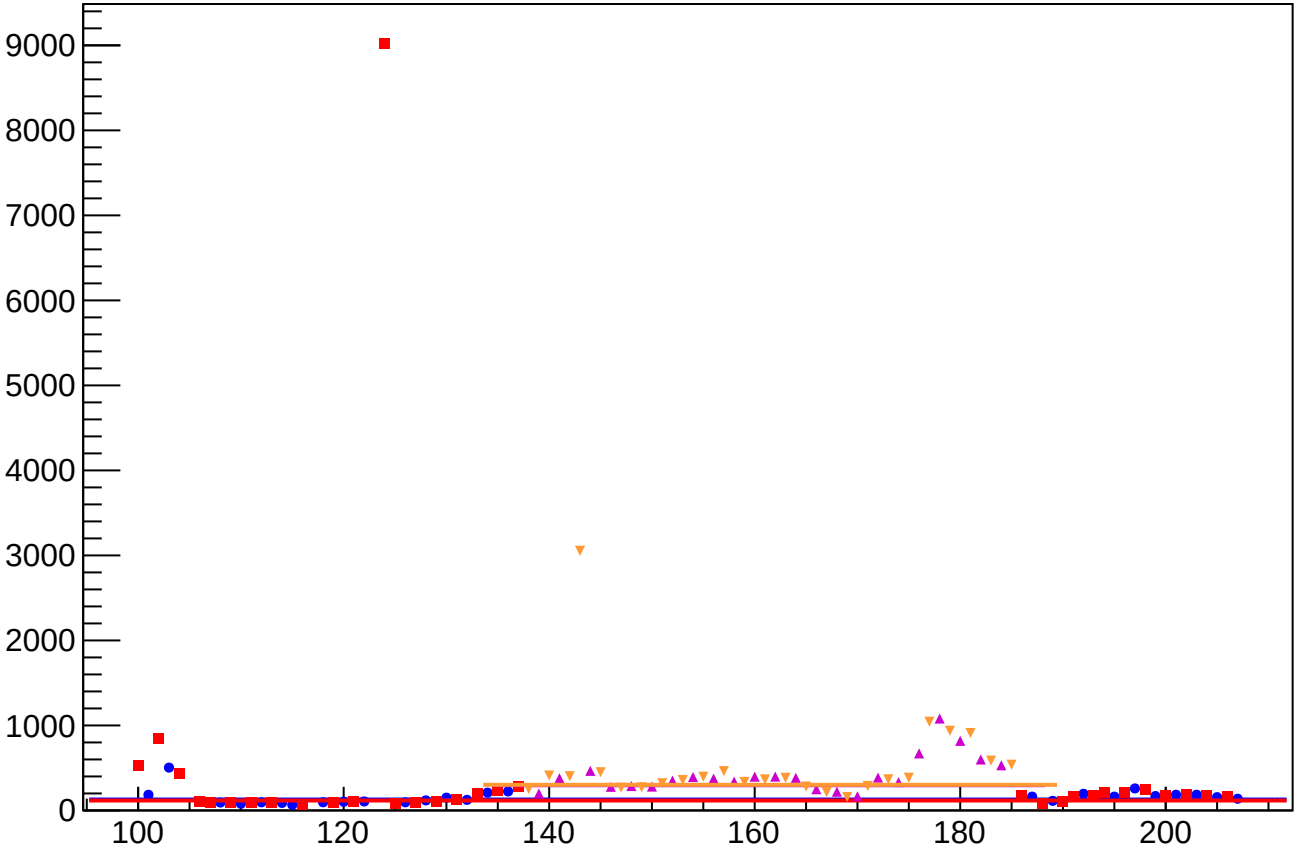
Right: 0.033+/-0.024 χ^2/NDF: 50.7/56

In: 0.055+/-0.033 χ^2/NDF:41.8/48

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.037+/-0.022 χ^2/NDF: 104.8/104

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.578+/-0.026 χ^2/NDF: 3446484.3/25

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

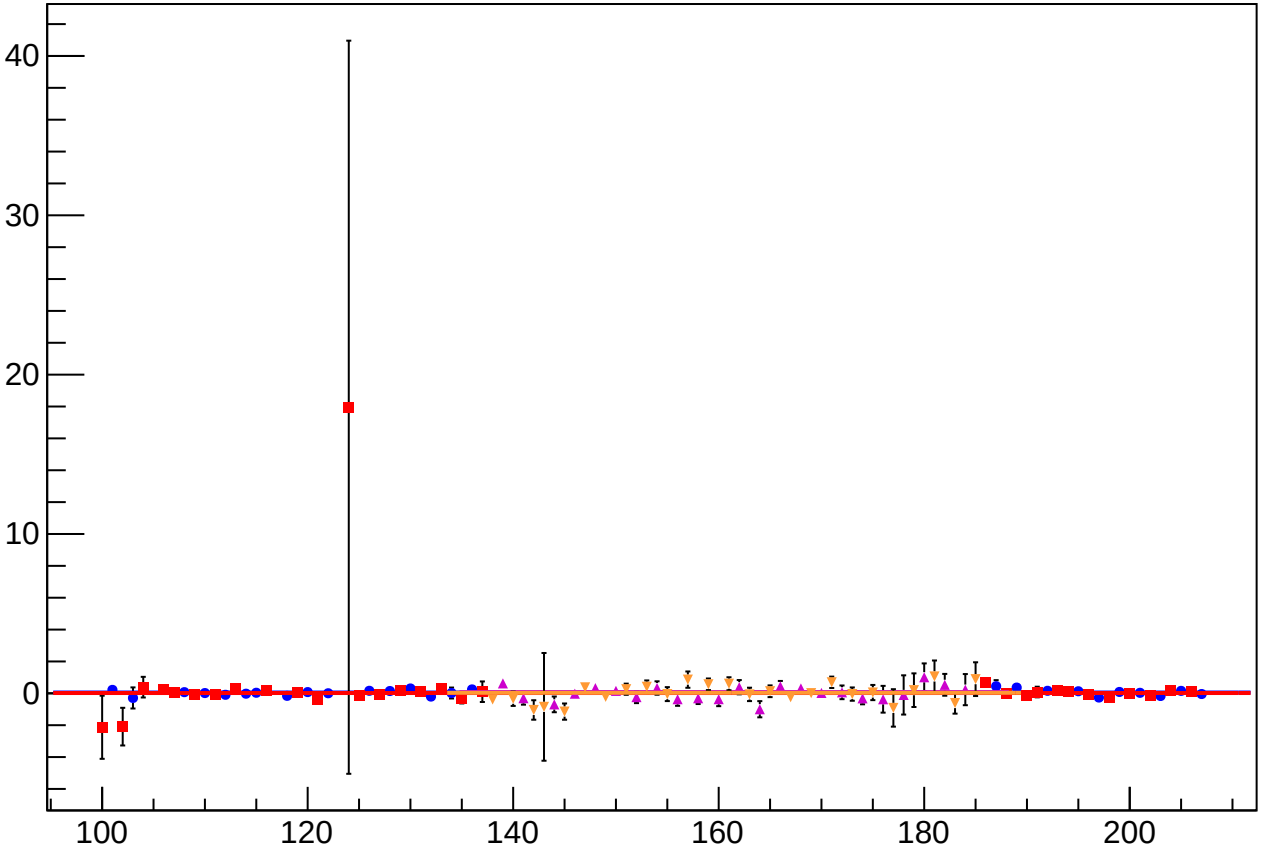
Right: 122.281+/-0.017 χ^2/NDF: 8963758.5/56

In: 160.120+/-0.023 χ^2/NDF:16389091.6/48

Out: 145.765+/-0.021 χ^2/NDF:21832601.8/55

All: 152.380+/-0.016 χ^2/NDF: 38428374.2/10

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.050+/-0.036 χ^2/NDF: 17.6/25

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

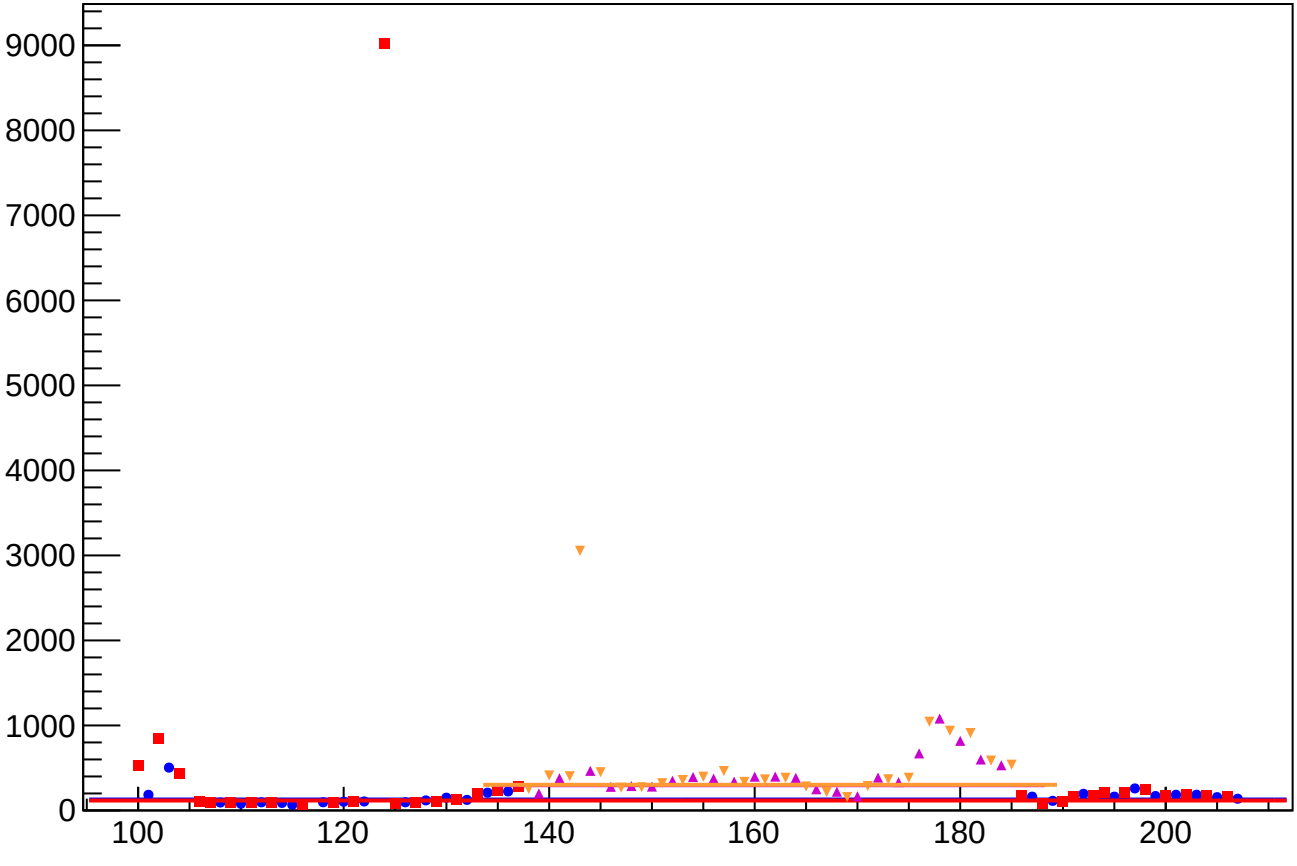
Right: 0.033+/-0.024 χ^2/NDF: 50.7/56

In: 0.055+/-0.033 χ^2/NDF:41.8/48

Out: 0.022+/-0.030 χ^2/NDF:62.5/55

All: 0.037+/-0.022 χ^2/NDF: 104.8/104

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 128.578+/-0.026 χ^2/NDF: 3446484.3/25

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

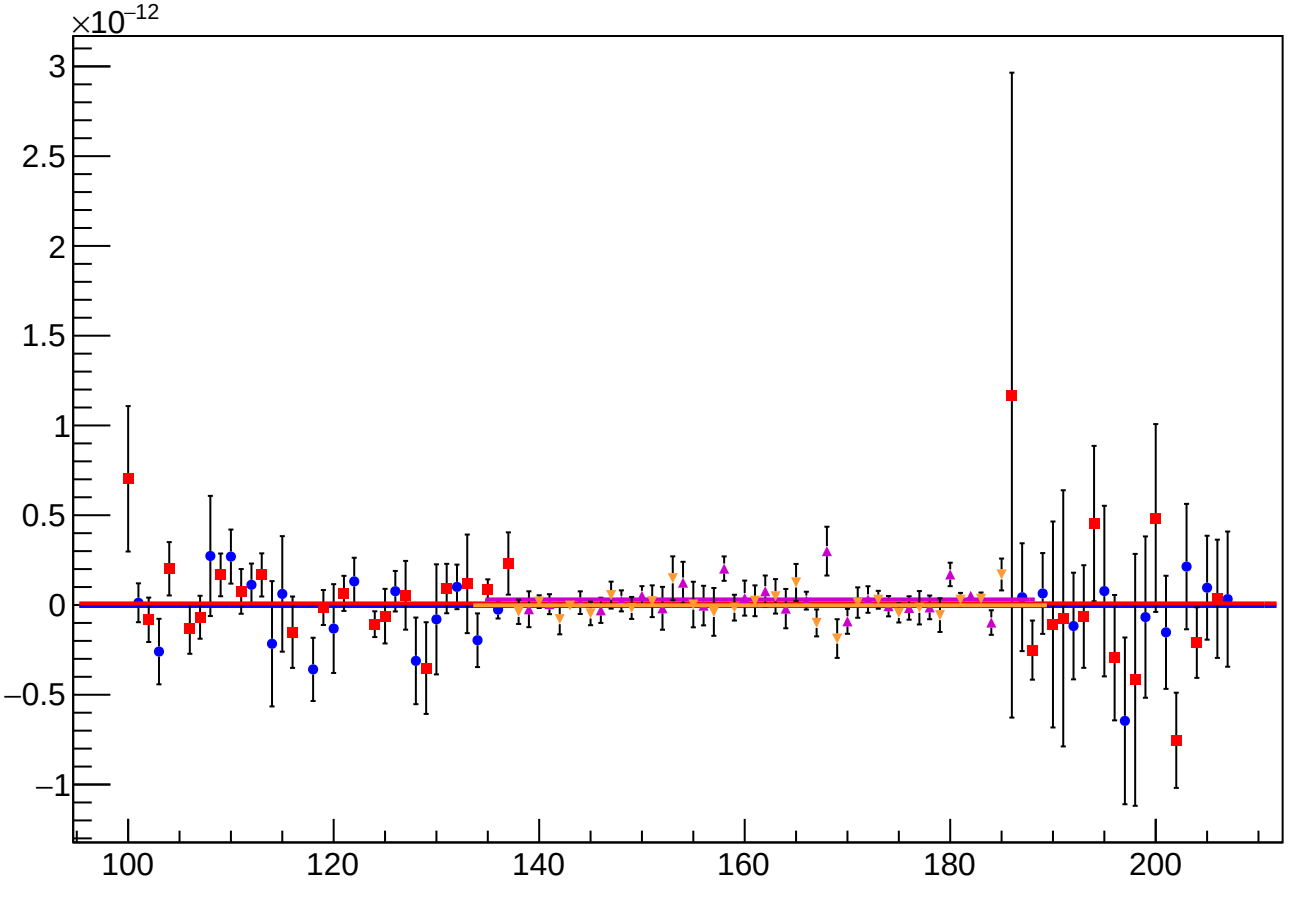
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 122.281+/-0.017 χ^2/NDF: 8963758.5/56

In: 160.120+/-0.023 χ^2/NDF:16389091.6/48

Out: 145.765+/-0.021 χ^2/NDF:21832601.8/55

All: 152.380+/-0.016 χ^2/NDF: 38428374.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/25

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

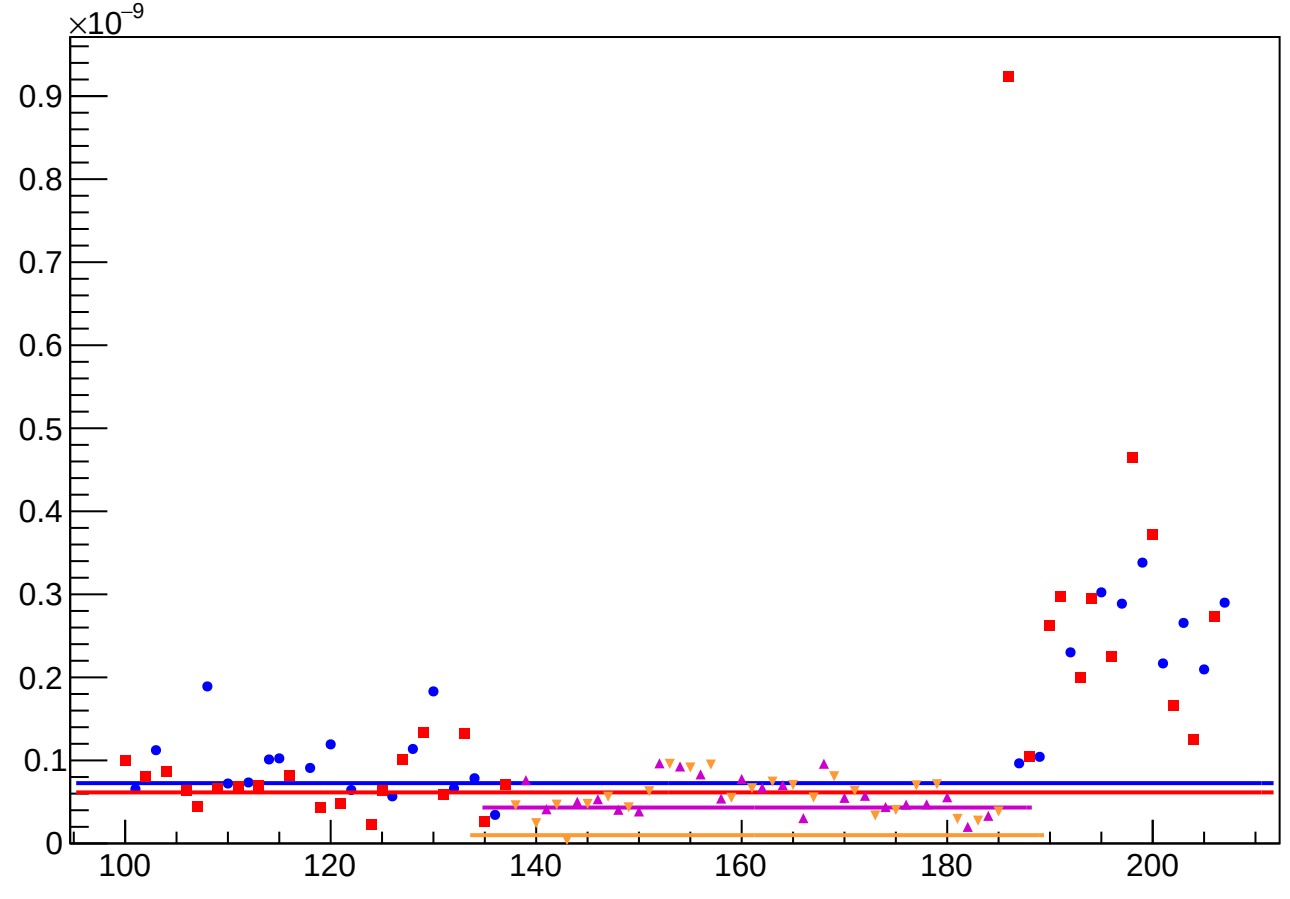
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 56.3/56

In: 0.000+/-0.000 χ^2/NDF:48.0/48

Out: -0.000+/-0.000 χ^2/NDF:53.6/55

All: 0.000+/-0.000 χ^2/NDF: 105.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 6403221.2/25

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7238383.6/30

Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

Left: 0.000+/-0.000 χ^2/NDF: 33507700.8/47

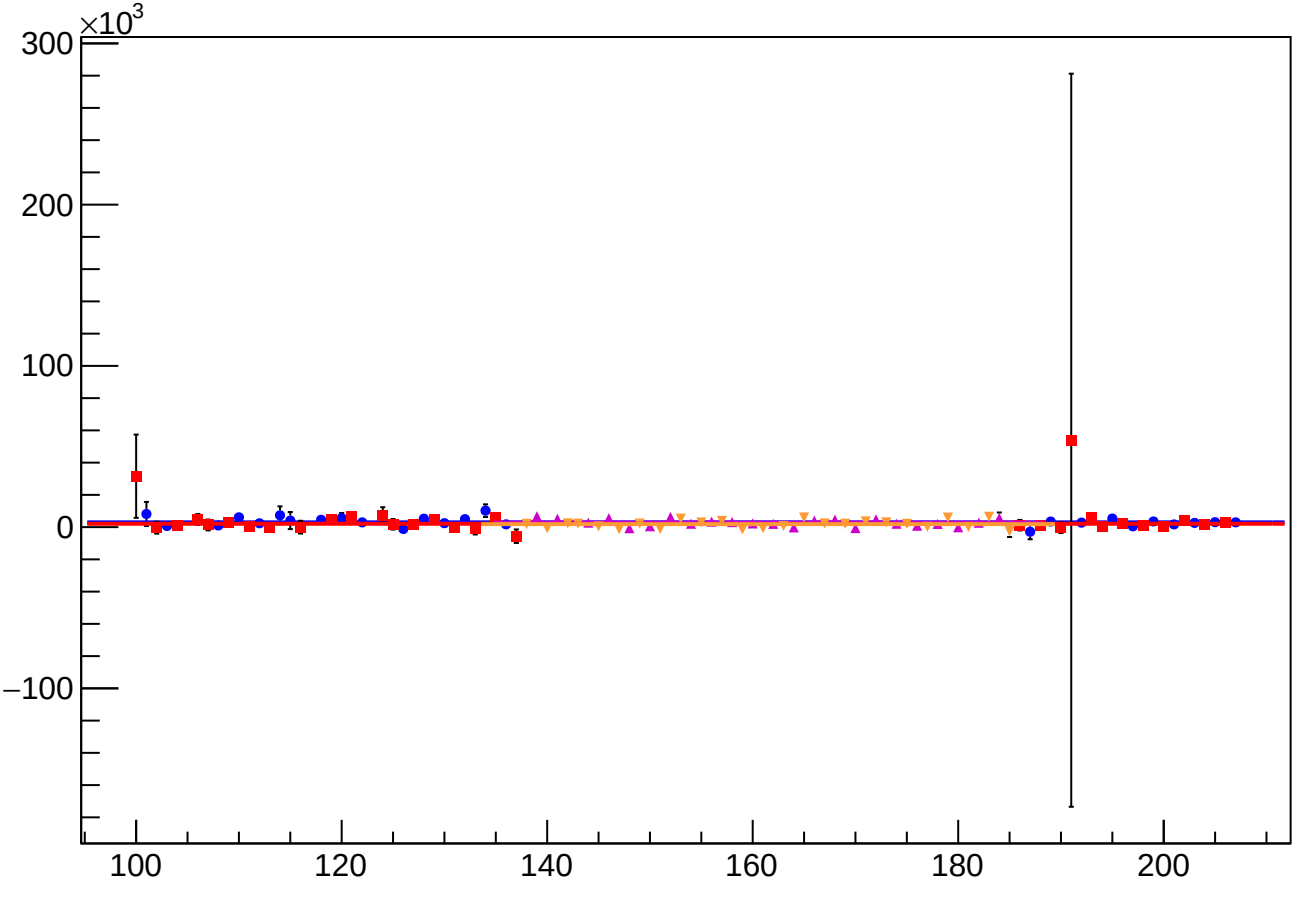
Right: 0.000+/-0.000 χ^2/NDF: 13797321.3/56

In: 0.000+/-0.000 χ^2/NDF:12027633.0/48

Out: 0.000+/-0.000 χ^2/NDF:33285397.8/55

All: 0.000+/-0.000 χ^2/NDF: 60286972.8/104

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2959.708+/-506.634 χ^2/NDF: 16.3/25

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

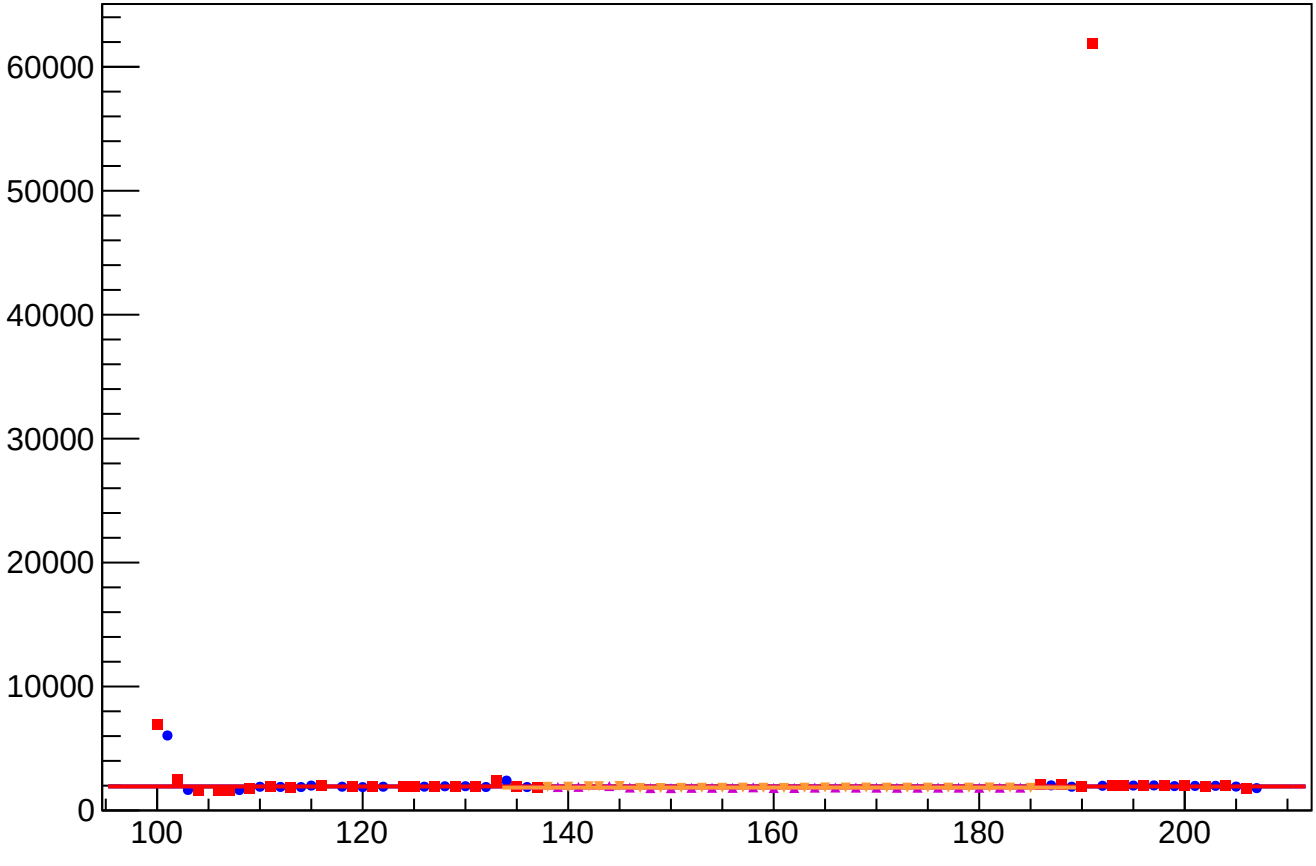
Right: 2506.633+/-351.130 χ^2/NDF: 40.4/56

In: 2852.970+/-328.223 χ^2/NDF:41.8/48

Out: 1952.573+/-318.084 χ^2/NDF:54.2/55

All: 2388.651+/-228.420 χ^2/NDF: 99.9/104

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1937.594+/-0.358 χ^2/NDF: 718015.6/25

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

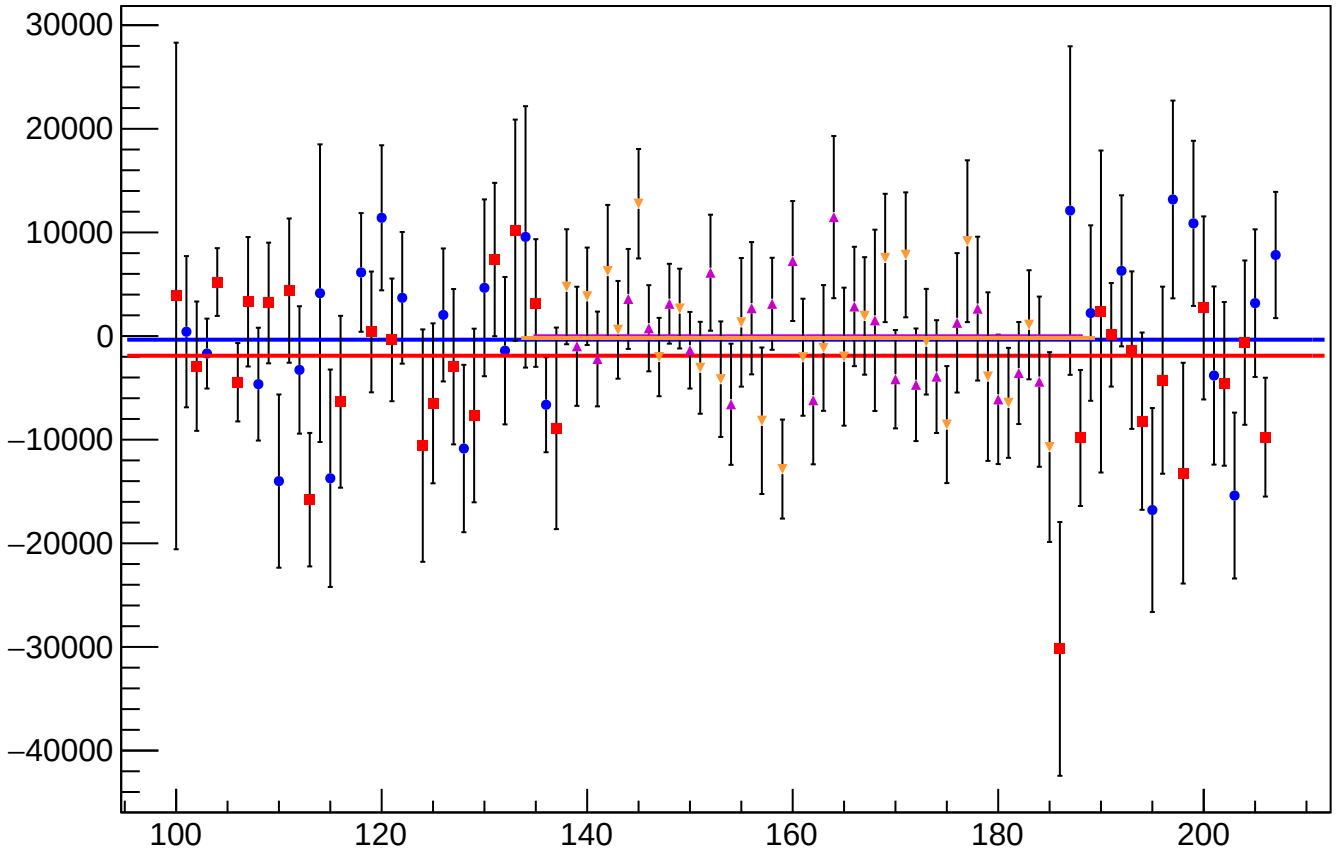
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1937.044+/-0.248 χ^2/NDF: 1134010.7/56

In: 1883.898+/-0.232 χ^2/NDF:770757.1/48

Out: 1886.126+/-0.225 χ^2/NDF:474401.2/55

All: 1885.048+/-0.161 χ^2/NDF: 1245205.8/10



Right In: -349.744+/-1351.545 χ^2/NDF: 28.7/25

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

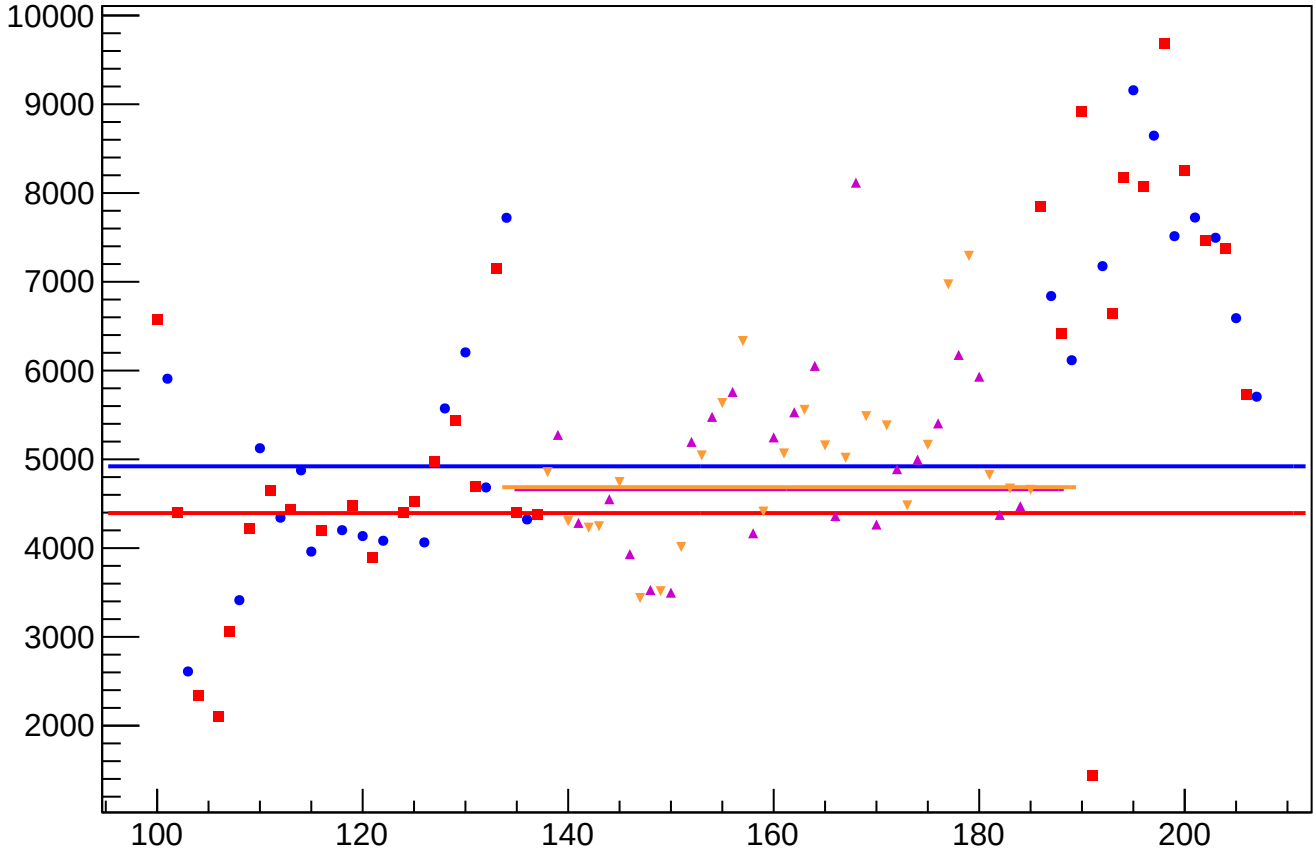
Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

Right: -1210.172+/-900.677 χ^2/NDF: 58.7/56

In: -152.828+/-858.974 χ^2/NDF:42.5/48

Out: -954.947+/-808.694 χ^2/NDF:59.3/55

All: -578.049+/-588.806 χ^2/NDF: 102.2/104



Right In: 4921.424+/-0.956 χ^2/NDF: 3194867.3/25

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

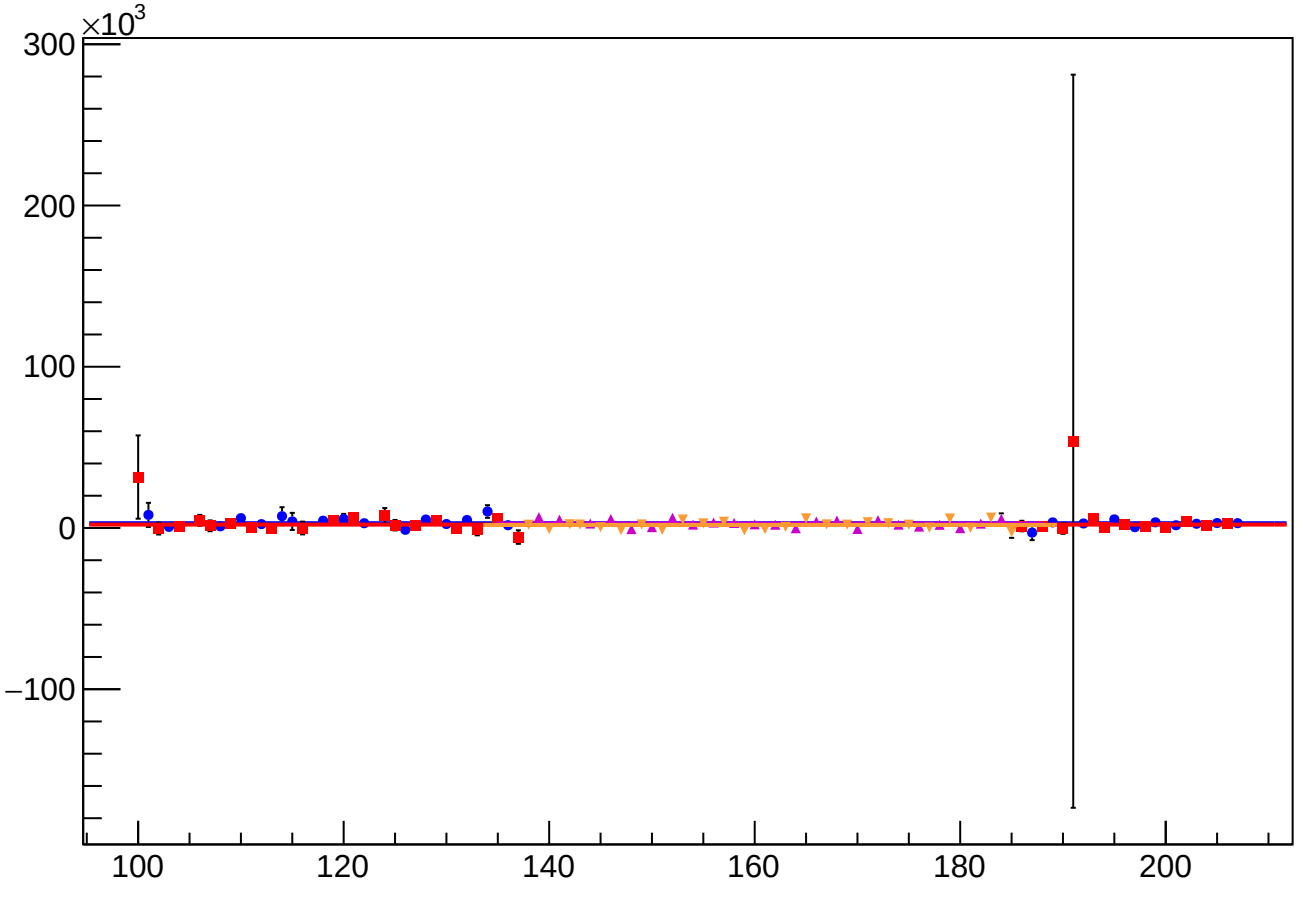
Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

Right: 4628.540+/-0.637 χ^2/NDF: 8880926.4/56

In: 4767.546+/-0.607 χ^2/NDF:4525087.0/48

Out: 4555.586+/-0.572 χ^2/NDF:6766566.3/55

All: 4655.181+/-0.416 χ^2/NDF: 11356211.9/1



Right In: 2959.432+/-506.634 χ^2/NDF: 16.3/25

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

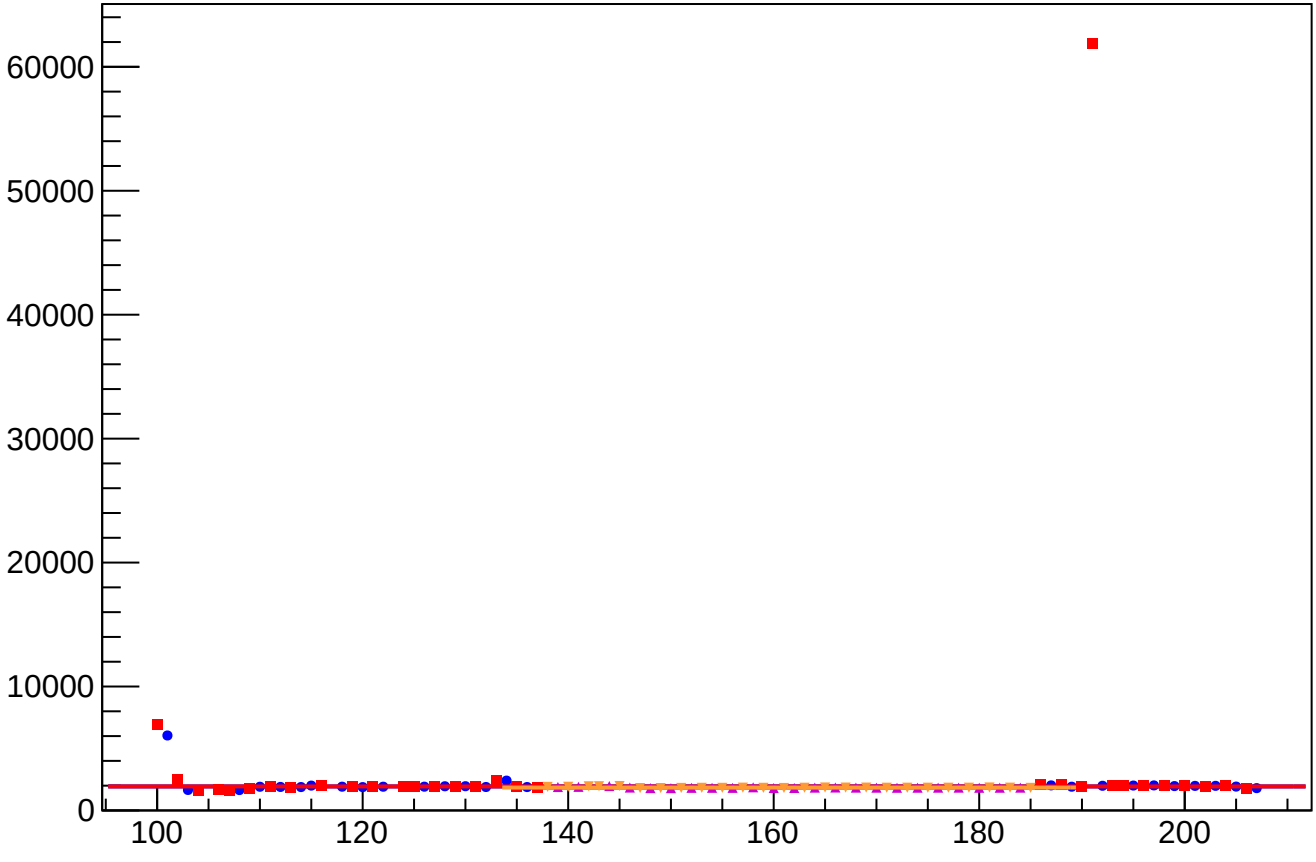
Right: 2506.767+/-351.131 χ^2/NDF: 40.4/56

In: 2852.841+/-328.223 χ^2/NDF:41.8/48

Out: 1952.727+/-318.084 χ^2/NDF:54.2/55

All: 2388.667+/-228.420 χ^2/NDF: 99.9/104

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1937.594+/-0.358 χ^2/NDF: 718014.7/25

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

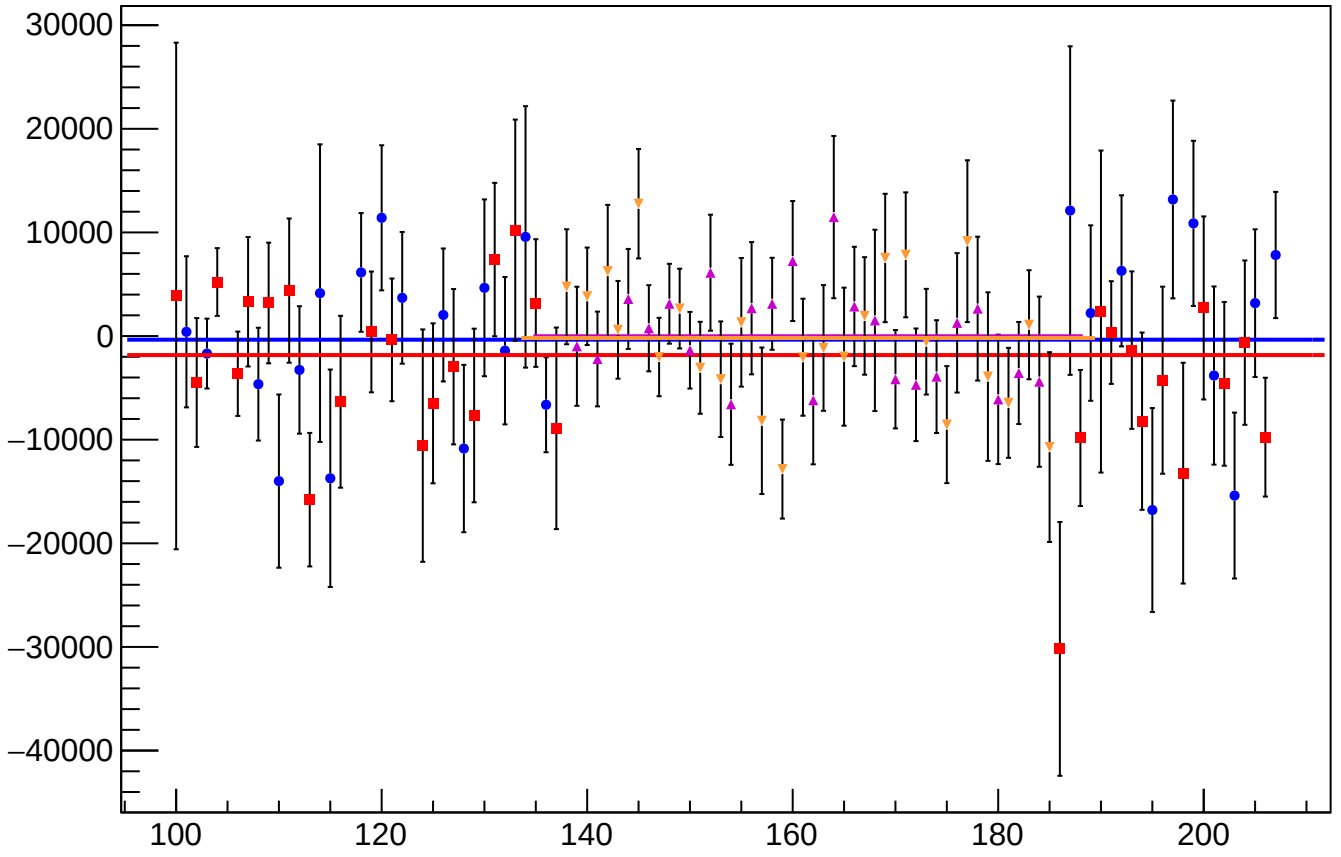
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1938.061+/-0.248 χ^2/NDF: 1126086.1/56

In: 1883.898+/-0.232 χ^2/NDF:770756.3/48

Out: 1886.922+/-0.225 χ^2/NDF:468124.6/55

All: 1885.458+/-0.161 χ^2/NDF: 1238968.5/10



Right In: -349.952+/-1351.547 χ^2/NDF: 28.7/25

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

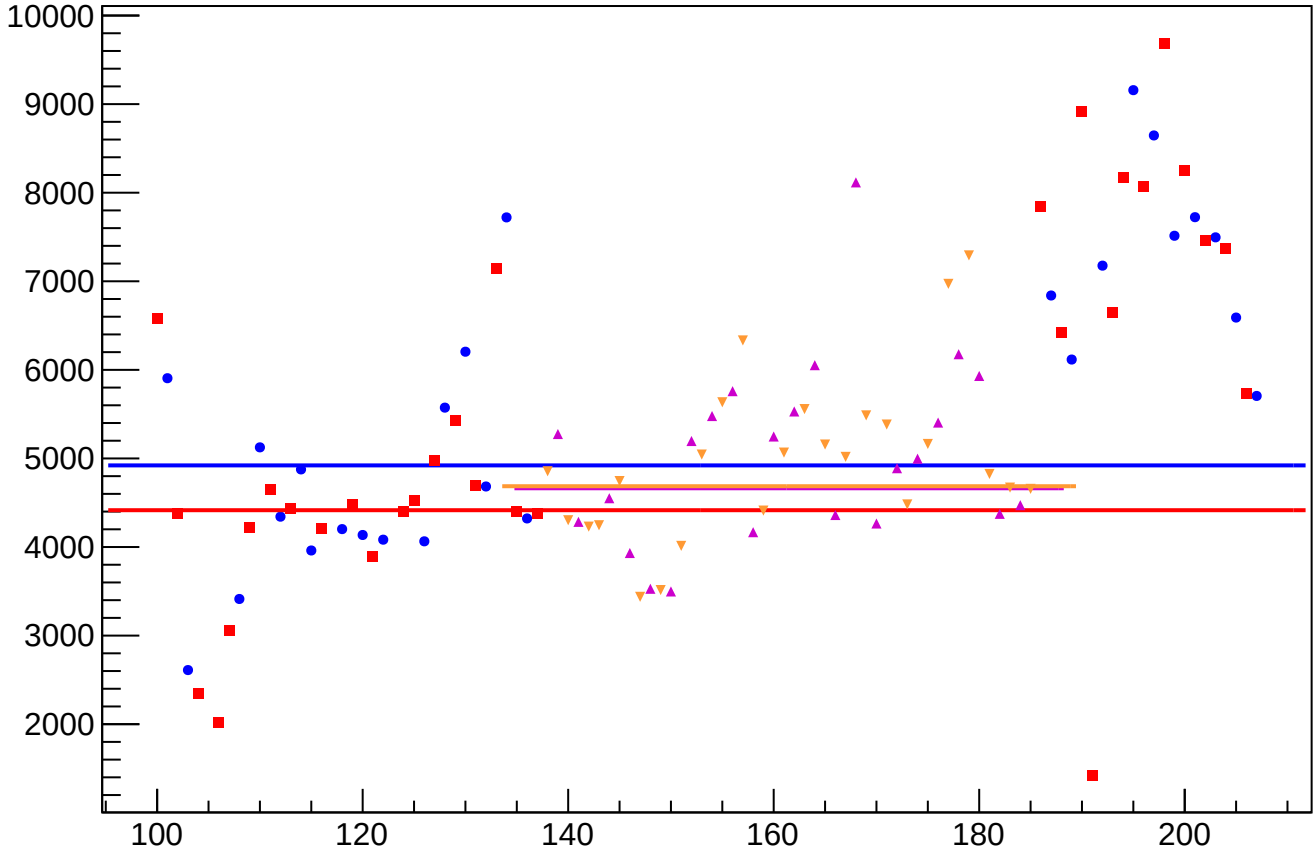
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1169.977+/-903.861 χ^2/NDF: 58.5/56

In: -152.936+/-858.974 χ^2/NDF:42.5/48

Out: -921.072+/-810.995 χ^2/NDF:59.1/55

All: -559.055+/-589.693 χ^2/NDF: 102.0/104



Right In: 4921.493+/-0.956 χ^2/NDF: 3194248.8/25

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

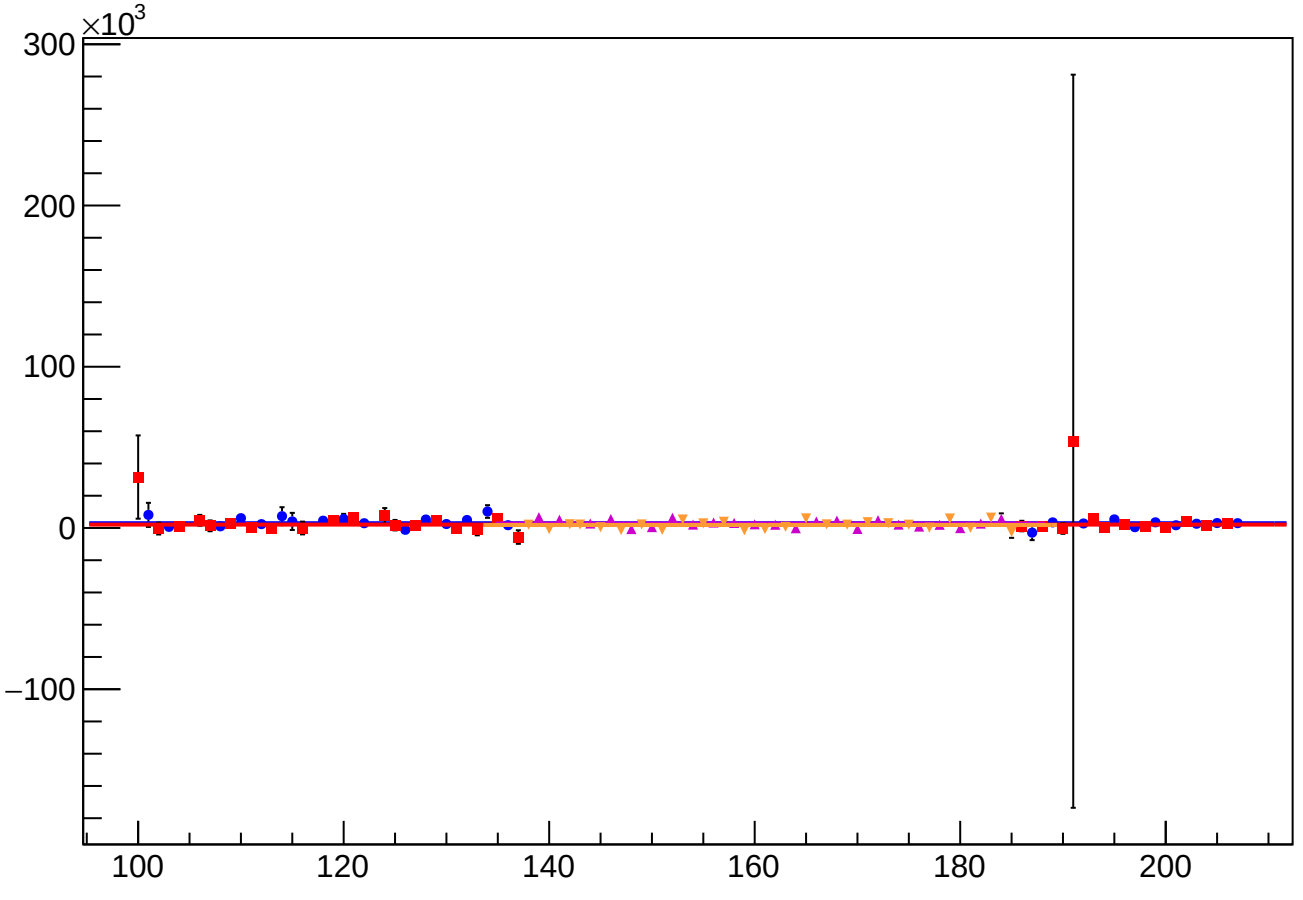
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4641.877+/-0.639 χ^2/NDF: 8826448.6/56

In: 4767.574+/-0.607 χ^2/NDF:4524487.6/48

Out: 4565.878+/-0.573 χ^2/NDF:6717458.9/55

All: 4660.936+/-0.417 χ^2/NDF: 11300248.1/1



Right In: 2959.432+/-506.634 χ^2/NDF: 16.3/25

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

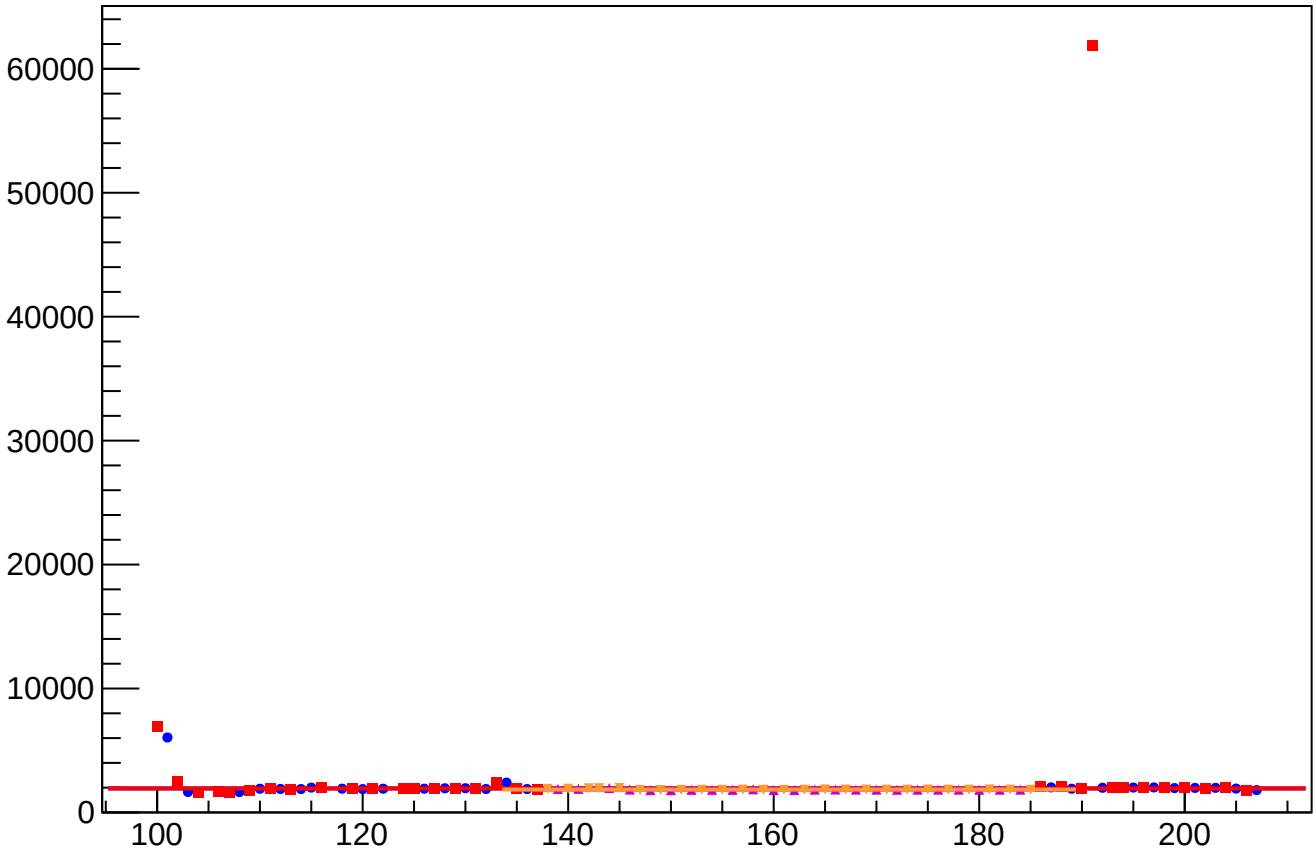
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2506.767+/-351.131 χ^2/NDF: 40.4/56

In: 2852.841+/-328.223 χ^2/NDF:41.8/48

Out: 1952.727+/-318.084 χ^2/NDF:54.2/55

All: 2388.667+/-228.420 χ^2/NDF: 99.9/104



Right In: 1937.594+/-0.358 χ^2/NDF: 718014.7/25

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

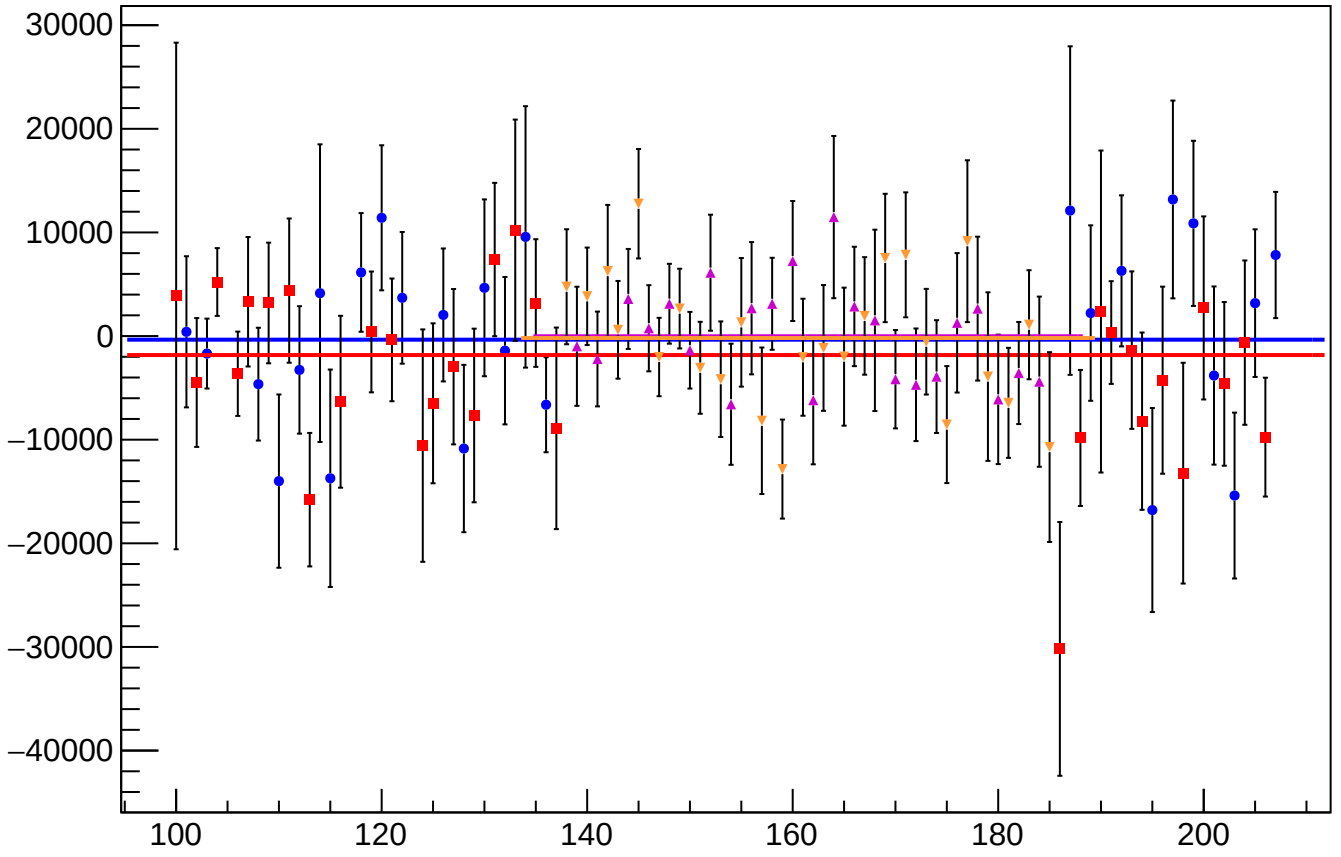
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1938.061+/-0.248 χ^2/NDF: 1126086.1/56

In: 1883.898+/-0.232 χ^2/NDF:770756.3/48

Out: 1886.922+/-0.225 χ^2/NDF:468124.6/55

All: 1885.458+/-0.161 χ^2/NDF: 1238968.5/10



Right In: -349.952+/-1351.547 χ^2/NDF: 28.7/25

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

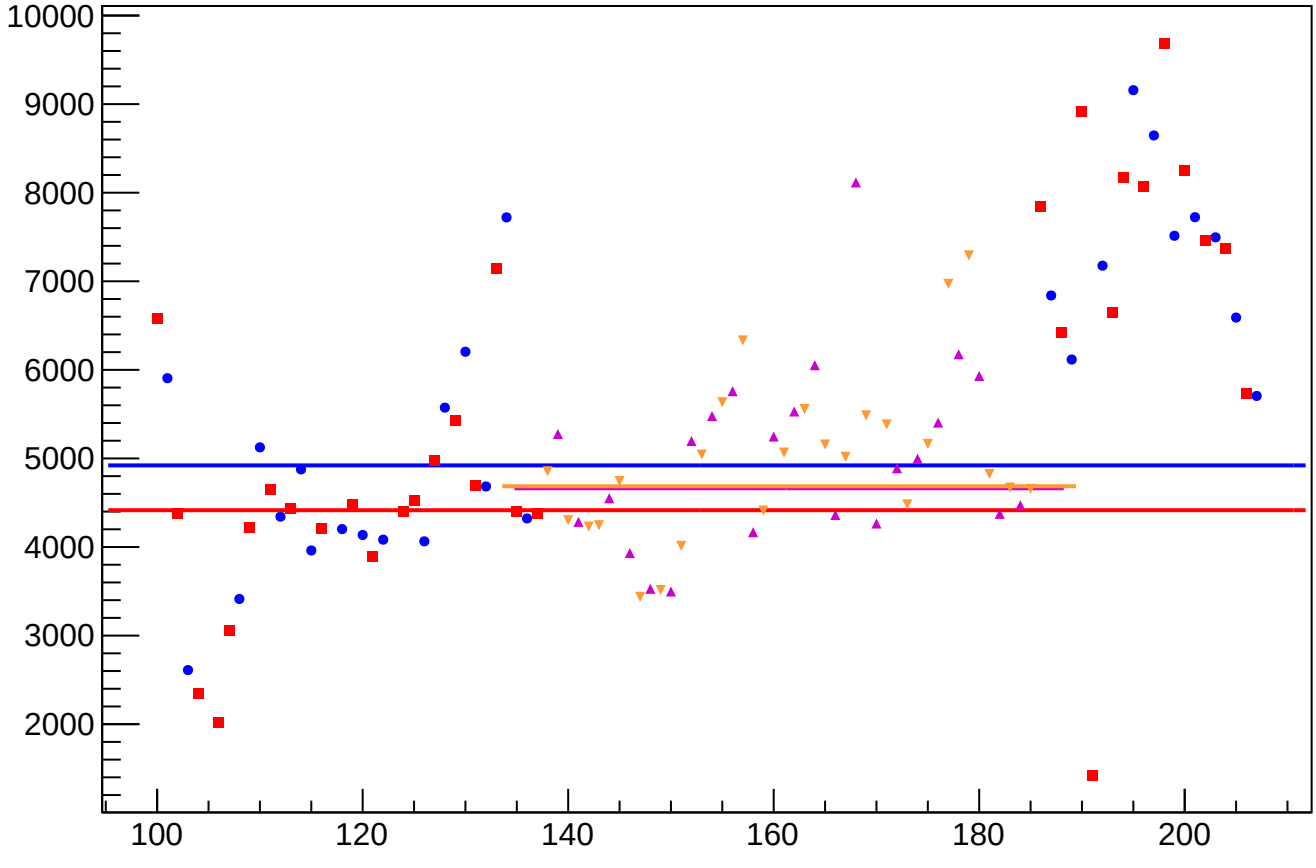
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1169.977+/-903.861 χ^2/NDF: 58.5/56

In: -152.936+/-858.974 χ^2/NDF:42.5/48

Out: -921.072+/-810.995 χ^2/NDF:59.1/55

All: -559.055+/-589.693 χ^2/NDF: 102.0/104



Right In: 4921.493+/-0.956 χ^2/NDF: 3194248.8/25

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

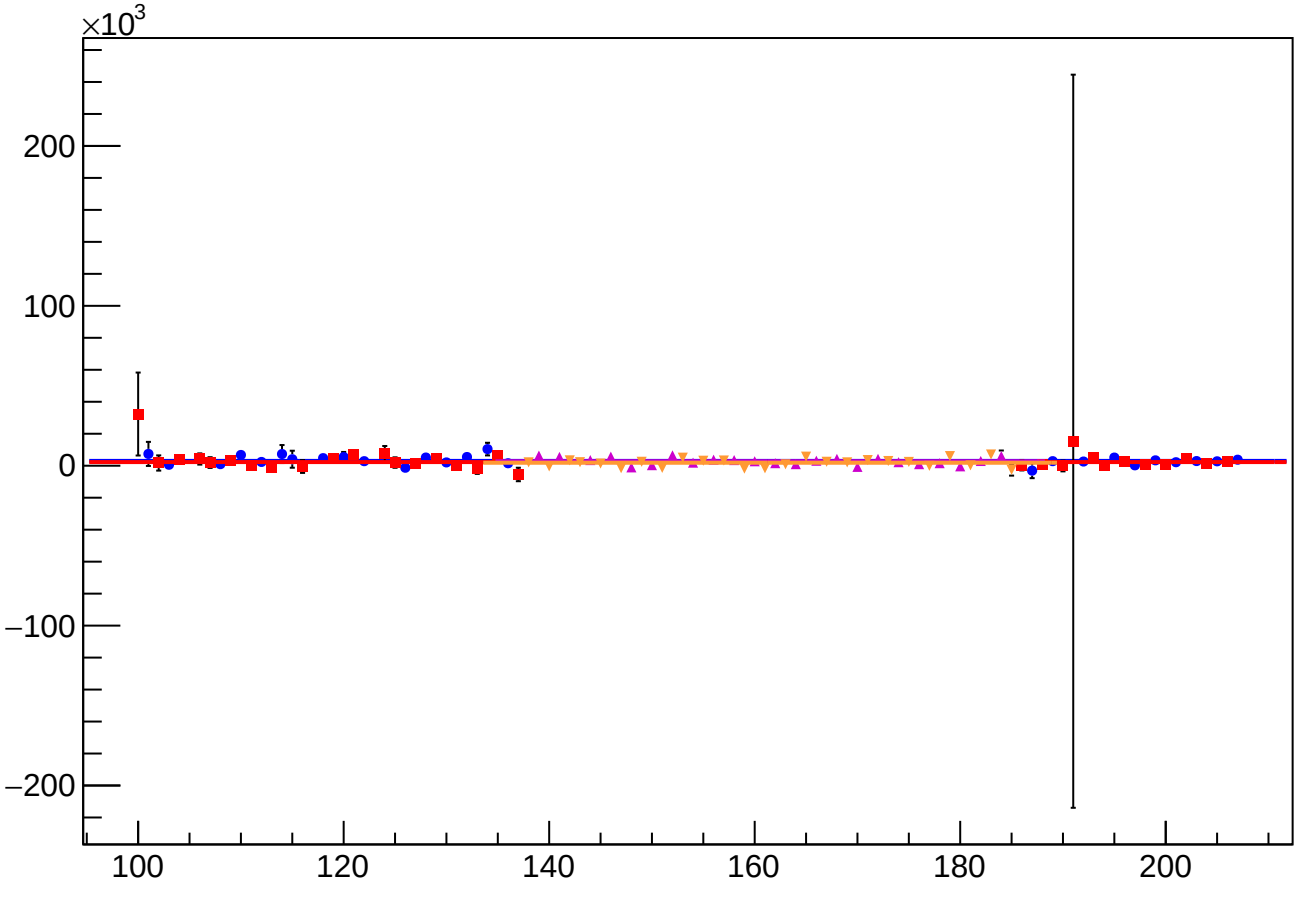
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4641.877+/-0.639 χ^2/NDF: 8826448.6/56

In: 4767.574+/-0.607 χ^2/NDF:4524487.6/48

Out: 4565.878+/-0.573 χ^2/NDF:6717458.9/55

All: 4660.936+/-0.417 χ^2/NDF: 11300248.1/1



Right In: 3013.434+/-517.559 χ^2/NDF: 16.7/25

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

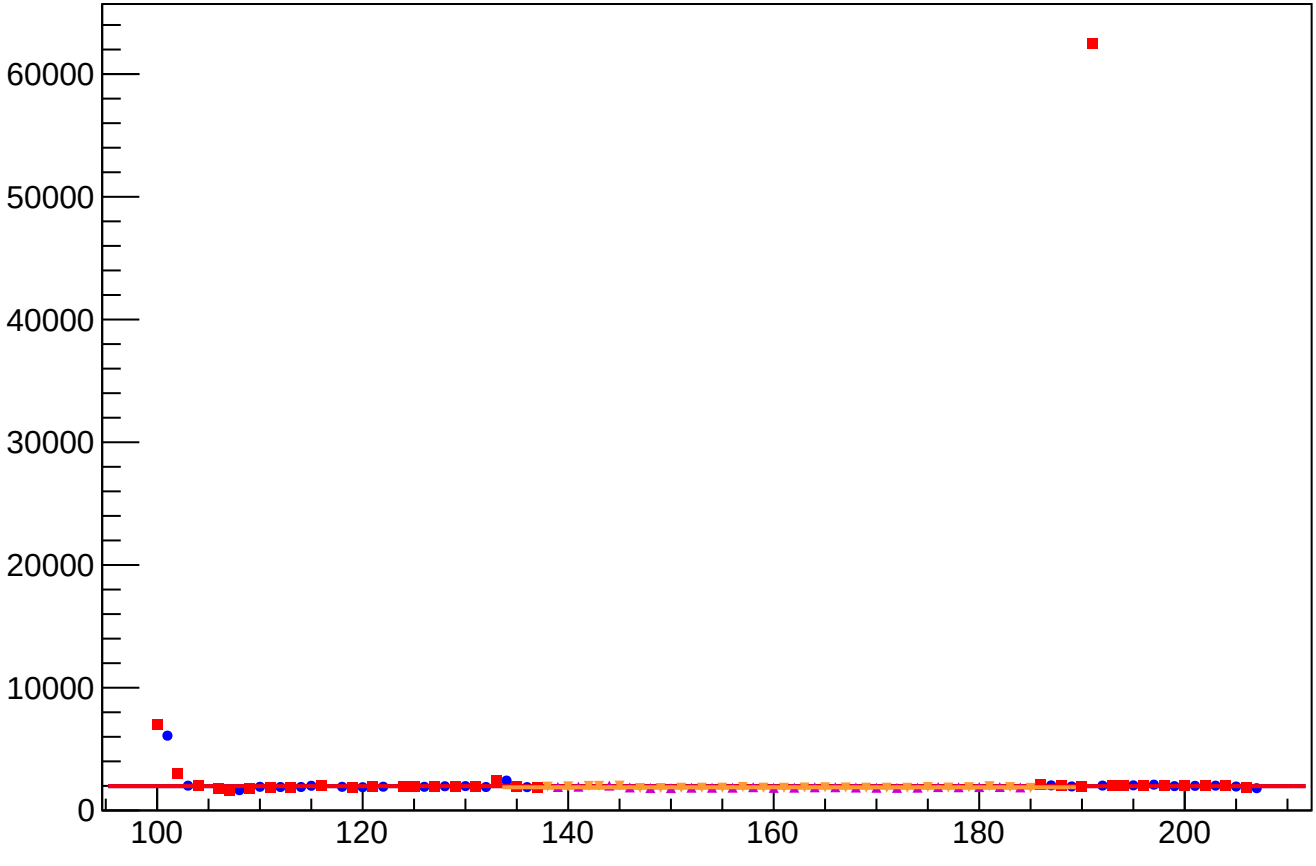
Right: 2632.082+/-359.061 χ^2/NDF: 41.2/56

In: 2888.451+/-334.890 χ^2/NDF:42.2/48

Out: 2049.942+/-325.174 χ^2/NDF:56.7/55

All: 2456.856+/-233.292 χ^2/NDF: 102.2/104

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1980.019+/-0.366 χ^2/NDF: 690310.2/25

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

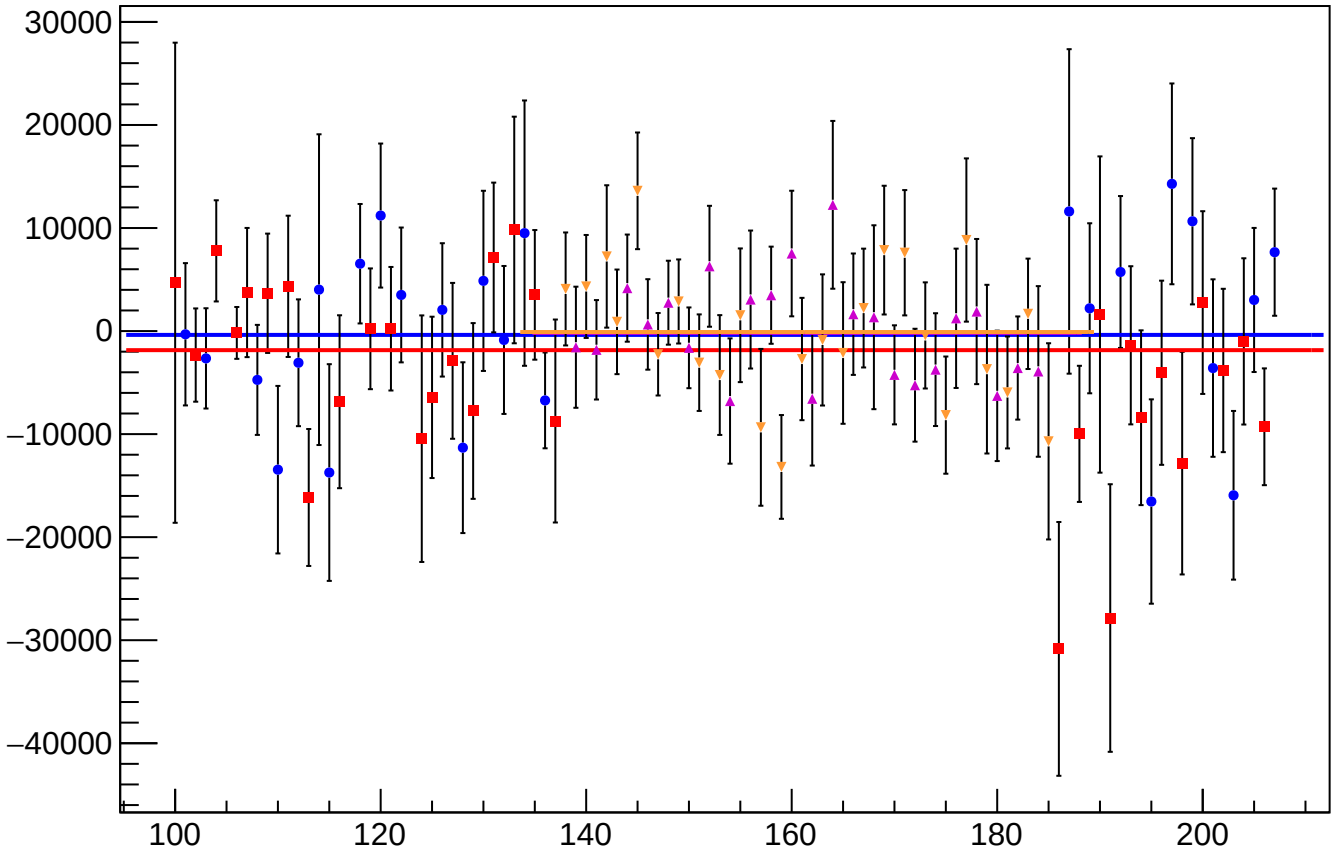
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1979.918+/-0.254 χ^2/NDF: 1122171.2/56

In: 1922.211+/-0.237 χ^2/NDF:752269.9/48

Out: 1926.820+/-0.230 χ^2/NDF:503205.2/55

All: 1924.583+/-0.165 χ^2/NDF: 1255670.2/10



Right In: -371.898+/-1416.385 χ^2/NDF: 28.4/25

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

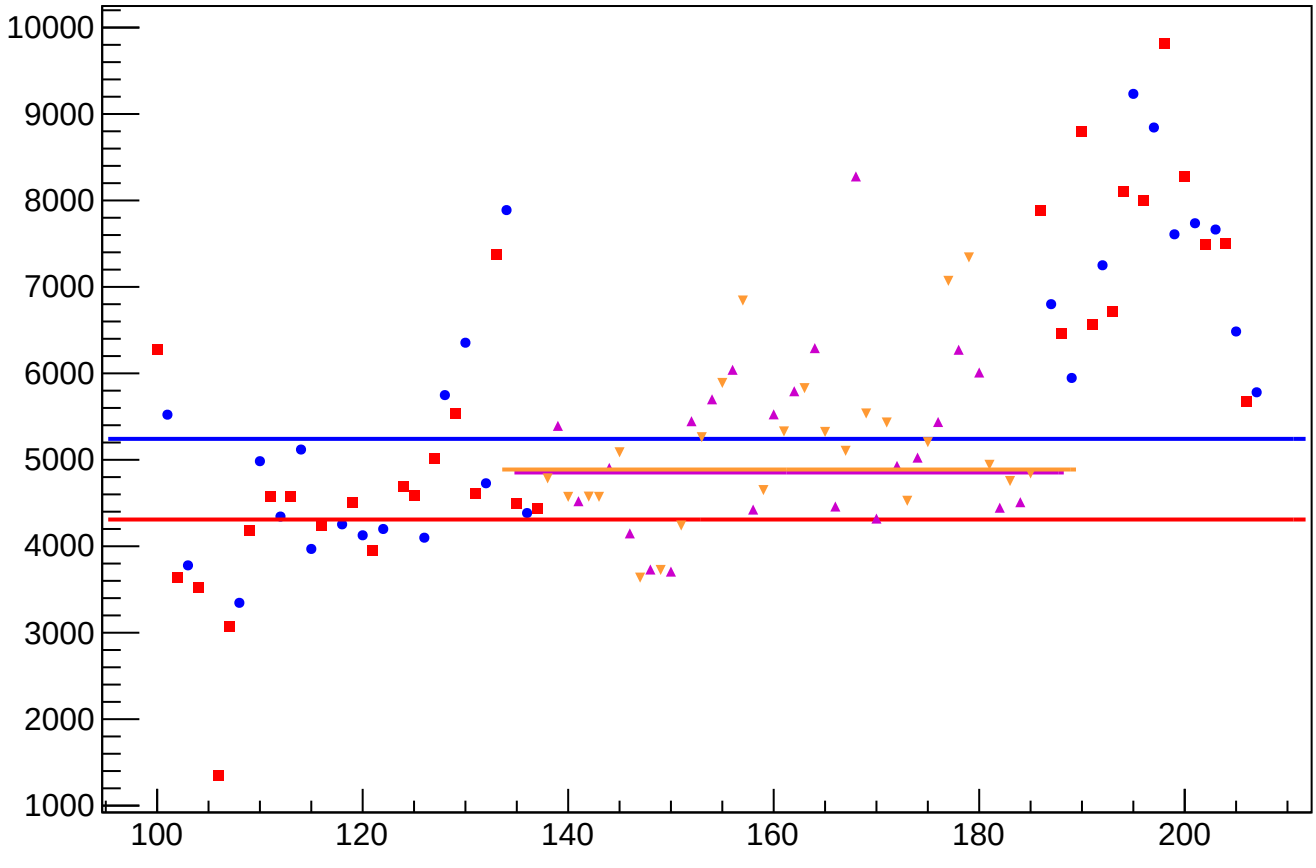
Left: -133.663+/-809.267 χ^2/NDF: 41.6/47

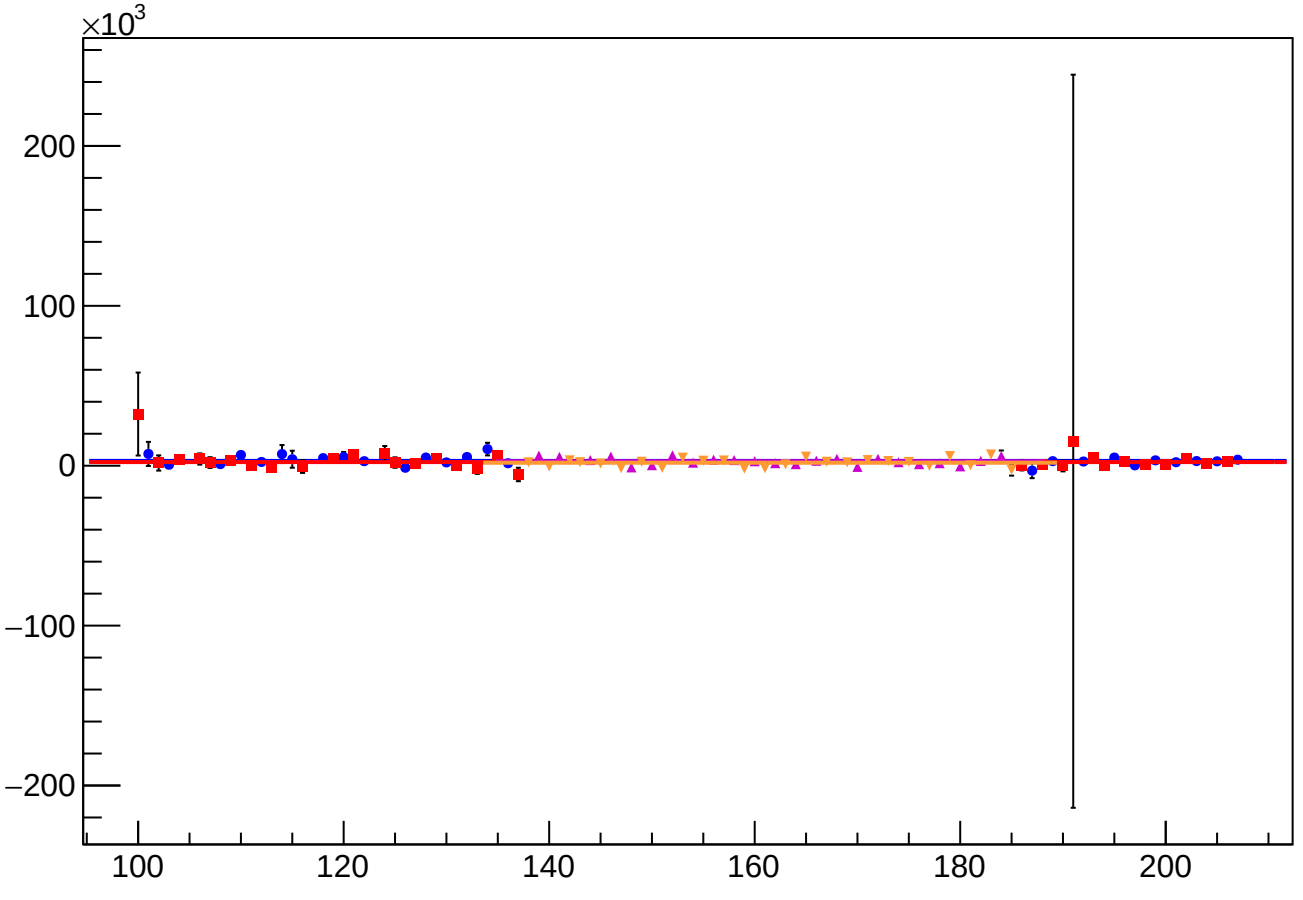
Right: -1238.824+/-911.717 χ^2/NDF: 61.3/56

In: -255.008+/-895.609 χ^2/NDF:42.0/48

Out: -928.045+/-821.092 χ^2/NDF:61.5/55

All: -620.686+/-605.232 χ^2/NDF: 103.8/104


asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 5242.215+/-1.002 χ²/NDF: 2308685.2/25
Left Out: 4887.823+/-0.801 χ²/NDF:1063298.6/24
Right Out: 4309.400+/-0.842 χ²/NDF: 6425774.1/30
Left In: 4853.363+/-0.817 χ²/NDF:1178636.9/22
Left: 4870.937+/-0.572 χ²/NDF: 2242841.7/47
Right: 4695.902+/-0.645 χ²/NDF: 9242505.9/56
In: 5008.837+/-0.633 χ²/NDF:3577793.2/48
Out: 4613.062+/-0.581 χ²/NDF:7736582.1/55
All: 4793.802+/-0.428 χ²/NDF: 11526577.9/1



Right In: 3013.434+/-517.559 χ^2/NDF: 16.7/25

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

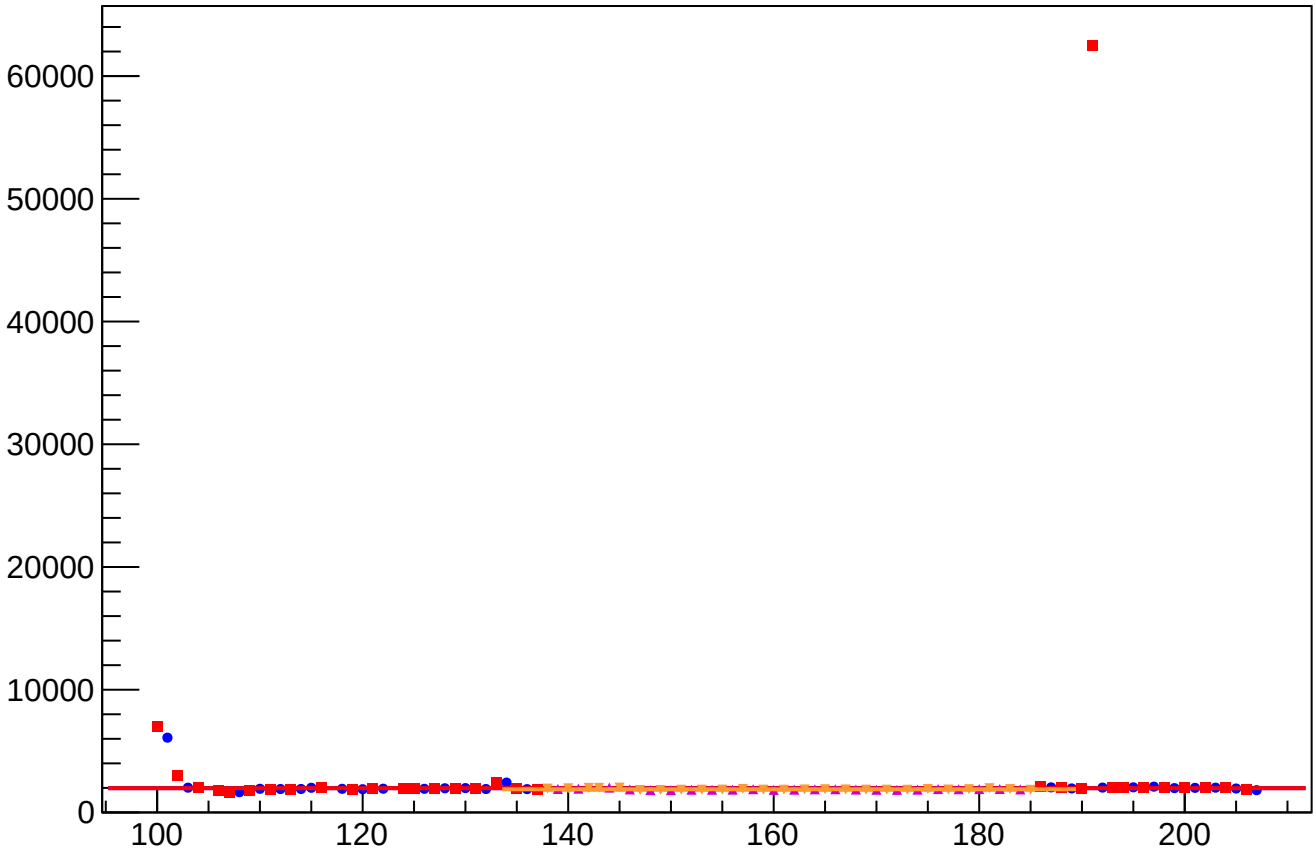
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2632.082+/-359.061 χ^2/NDF: 41.2/56

In: 2888.451+/-334.890 χ^2/NDF:42.2/48

Out: 2049.939+/-325.174 χ^2/NDF:56.7/55

All: 2456.855+/-233.292 χ^2/NDF: 102.2/104



Right In: 1980.019+/-0.366 χ^2/NDF: 690310.2/25

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

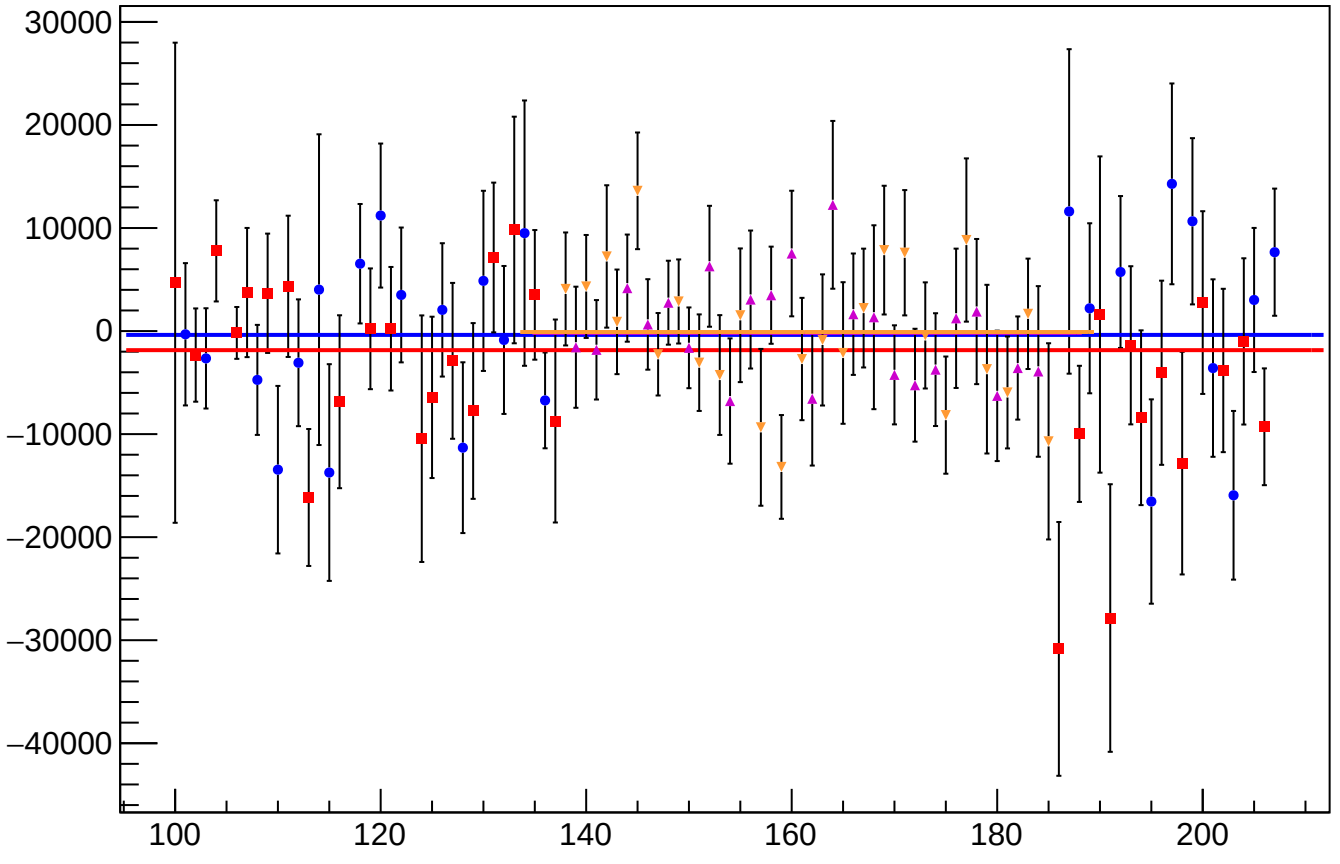
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

Right: 1979.918+/-0.254 χ^2/NDF: 1122170.9/56

In: 1922.211+/-0.237 χ^2/NDF:752269.1/48

Out: 1926.820+/-0.230 χ^2/NDF:503204.3/55

All: 1924.584+/-0.165 χ^2/NDF: 1255668.5/10



Right In: -371.889+/-1416.384 χ^2/NDF: 28.4/25

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

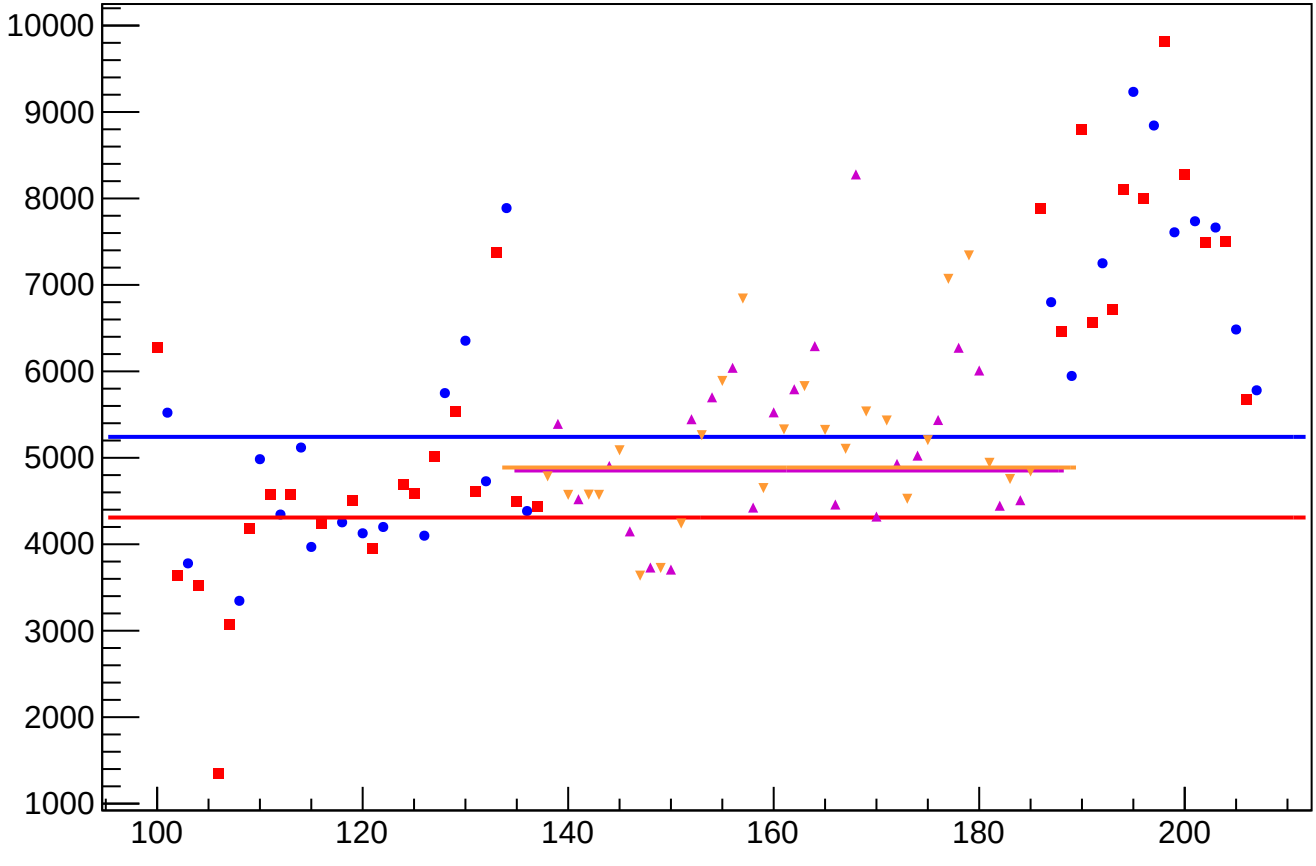
Right: -1238.818+/-911.715 χ^2/NDF: 61.3/56

In: -255.006+/-895.609 χ^2/NDF:42.0/48

Out: -928.047+/-821.092 χ^2/NDF:61.5/55

All: -620.686+/-605.232 χ^2/NDF: 103.8/104

asym_atr_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5242.209+/-1.002 χ^2/NDF: 2308701.7/25

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

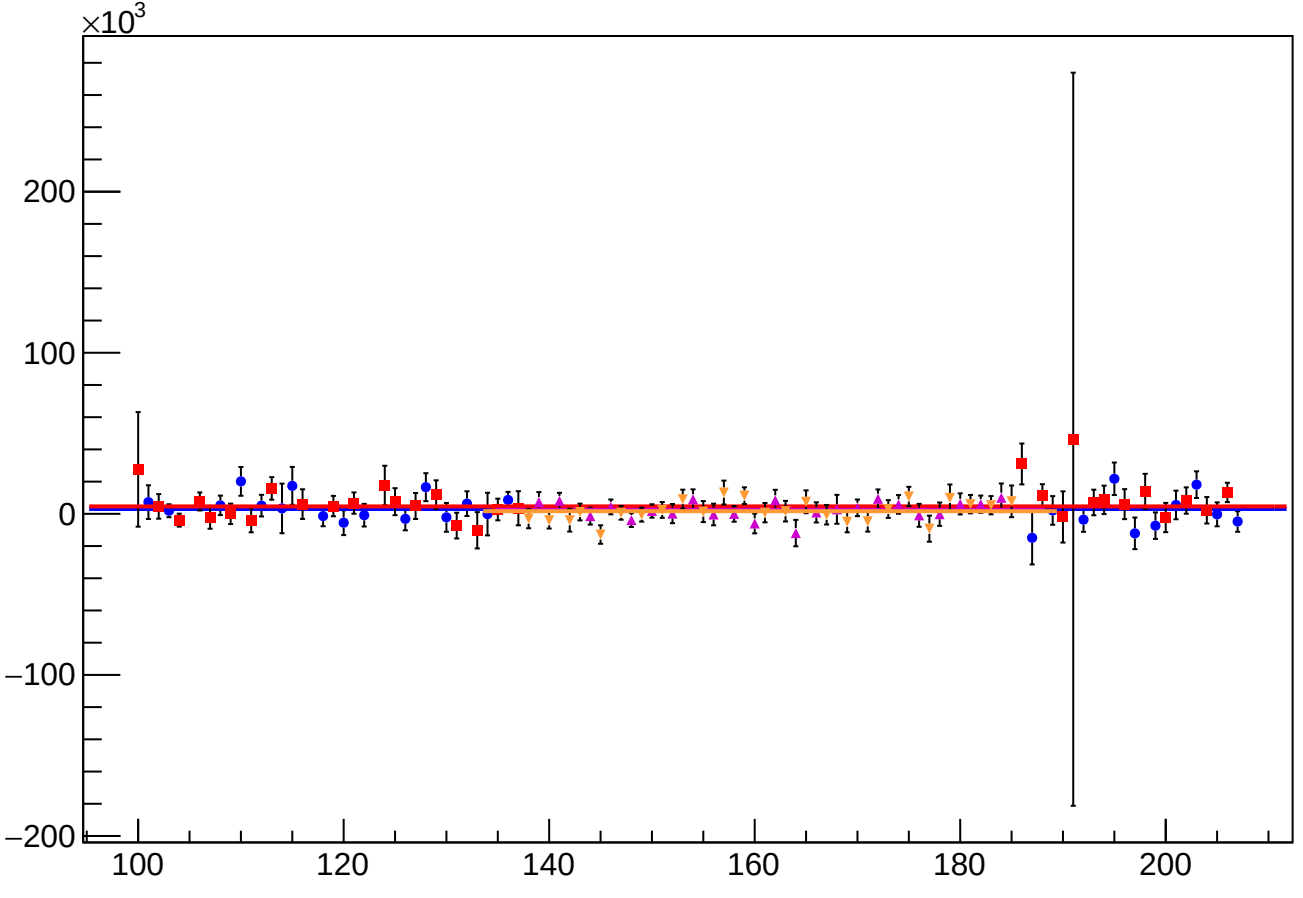
Right: 4695.895+/-0.645 χ^2/NDF: 9242560.5/56

In: 5008.840+/-0.633 χ^2/NDF:3577806.2/48

Out: 4613.061+/-0.581 χ^2/NDF:7736631.0/55

All: 4793.803+/-0.428 χ^2/NDF: 11526643.6/

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3024.599+/-1484.888 χ^2/NDF: 27.1/25

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

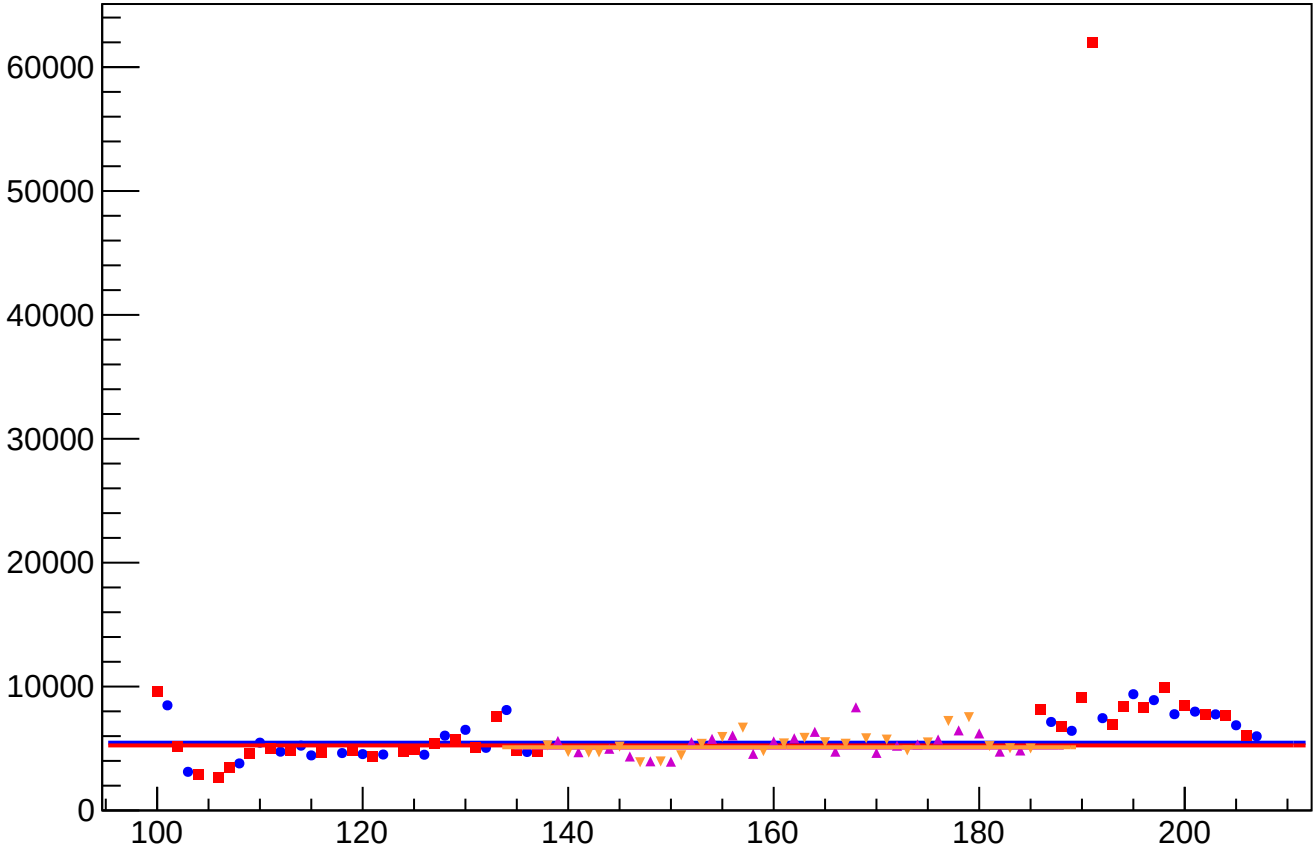
Right: 3858.178+/-1020.228 χ^2/NDF: 53.8/56

In: 2746.547+/-935.413 χ^2/NDF:43.1/48

Out: 2873.584+/-902.760 χ^2/NDF:54.7/55

All: 2812.321+/-649.585 χ^2/NDF: 97.8/104

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5469.234+/-1.050 χ^2/NDF: 2624507.8/25

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

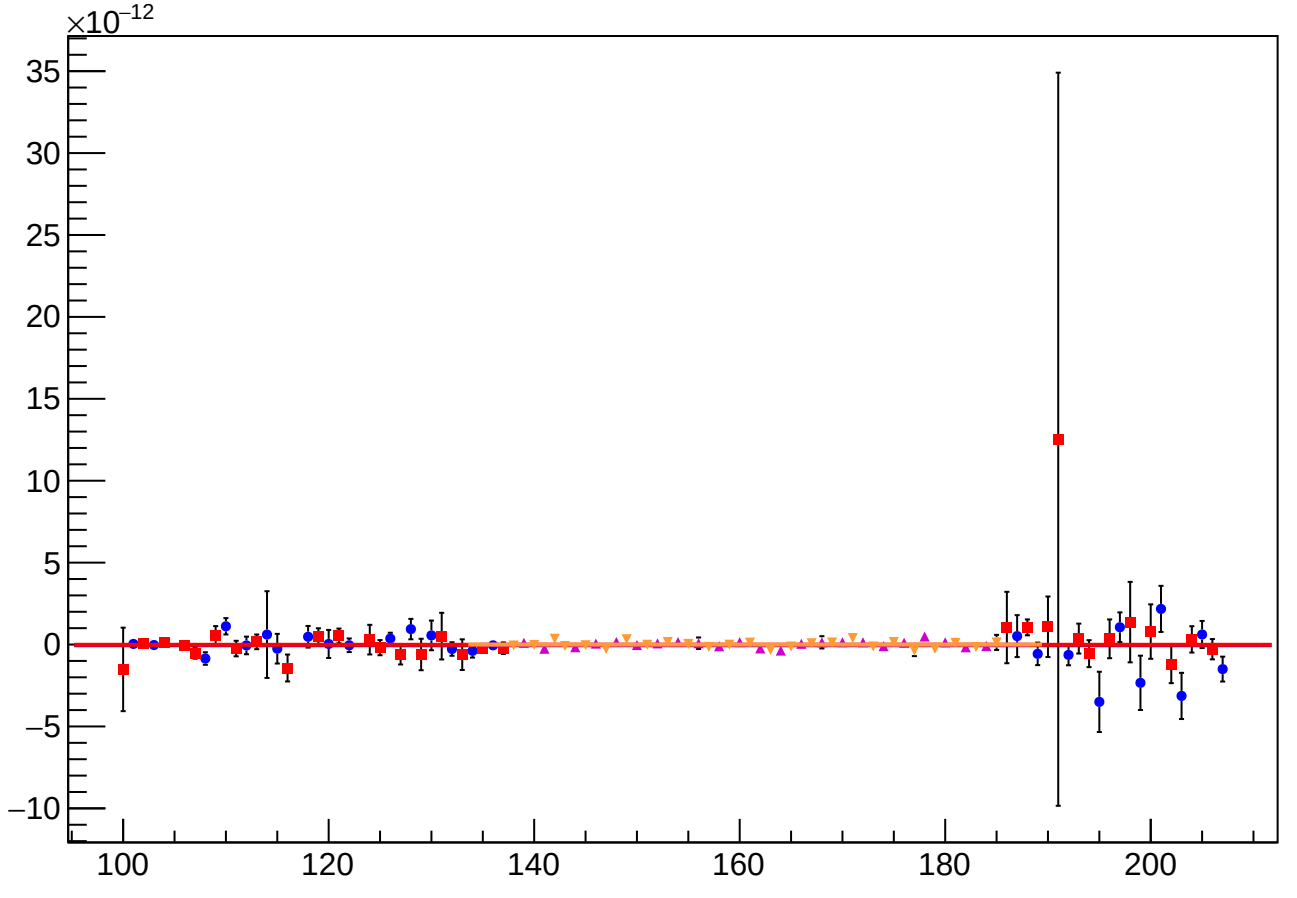
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5352.653+/-0.719 χ^2/NDF: 6227702.0/56

In: 5230.571+/-0.661 χ^2/NDF:3702084.8/48

Out: 5162.692+/-0.637 χ^2/NDF:4502621.3/55

All: 5195.340+/-0.459 χ^2/NDF: 8210172.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/25

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

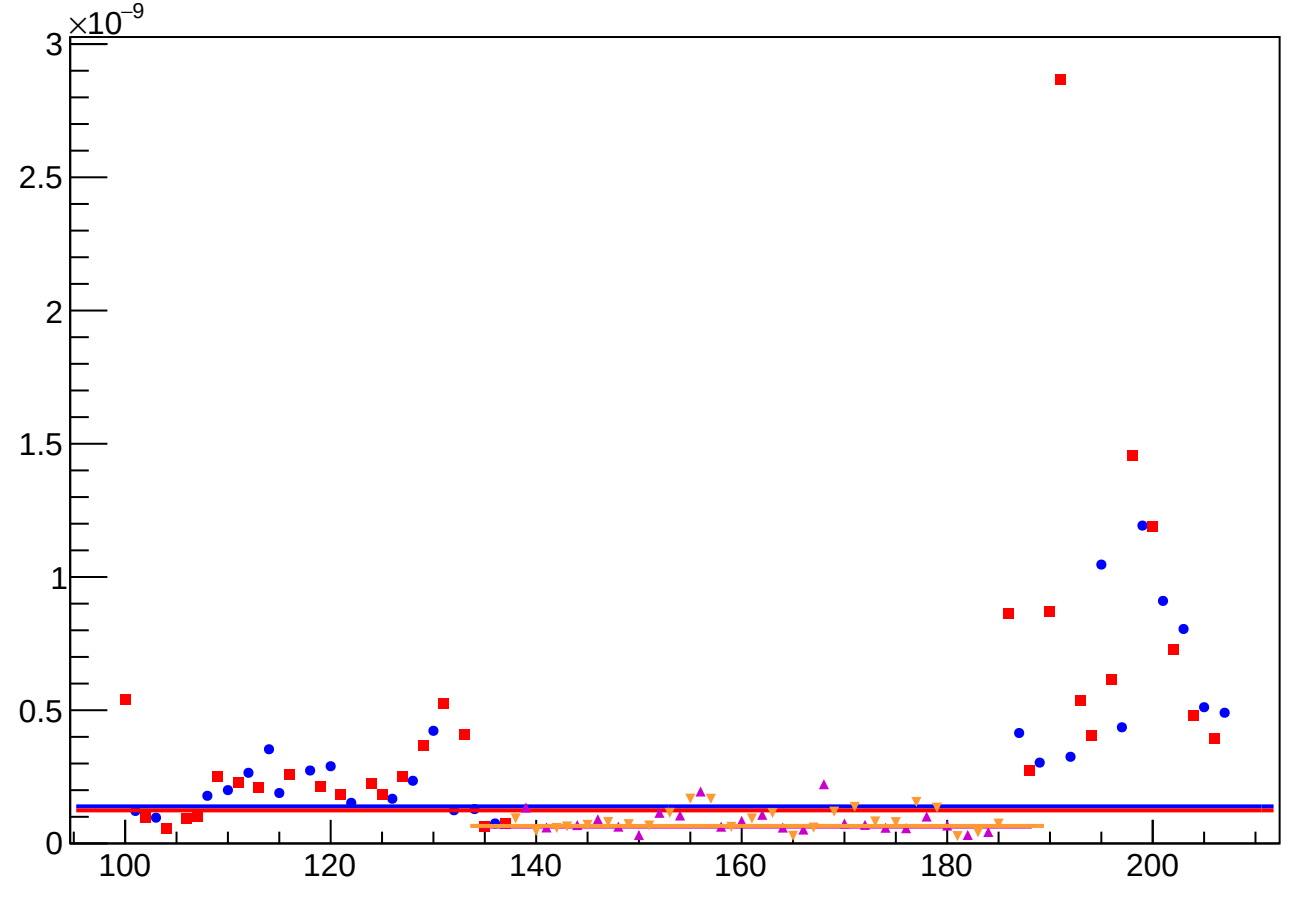
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 59.7/56

In: -0.000+/-0.000 χ^2/NDF:68.7/48

Out: -0.000+/-0.000 χ^2/NDF:56.7/55

All: -0.000+/-0.000 χ^2/NDF: 125.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 5041741.3/25

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

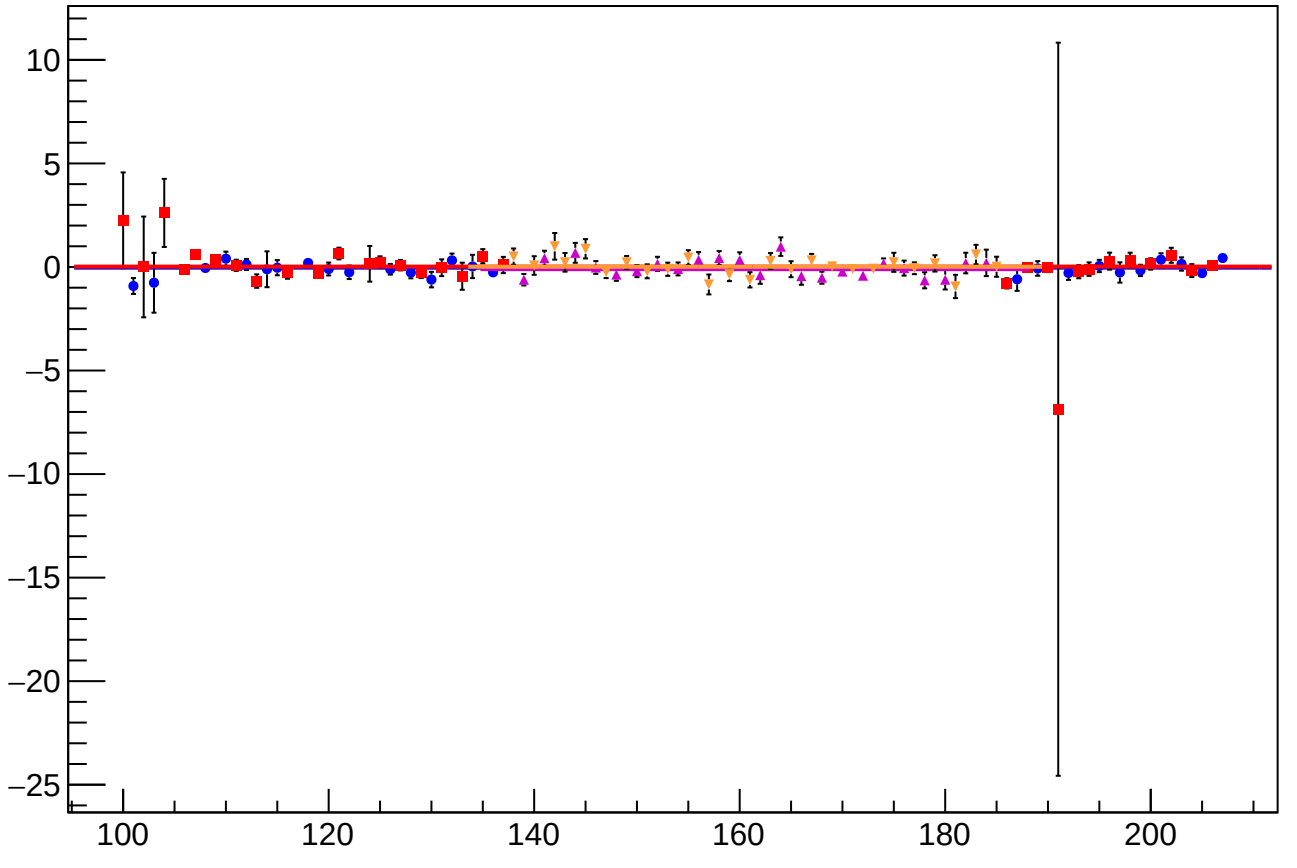
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11631951.0/56

In: 0.000+/-0.000 χ^2/NDF:9126972.7/48

Out: 0.000+/-0.000 χ^2/NDF:10218507.2/55

All: 0.000+/-0.000 χ^2/NDF: 19346801.8/104



Right In: -0.032+/-0.059 χ^2/NDF: 26.9/25

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

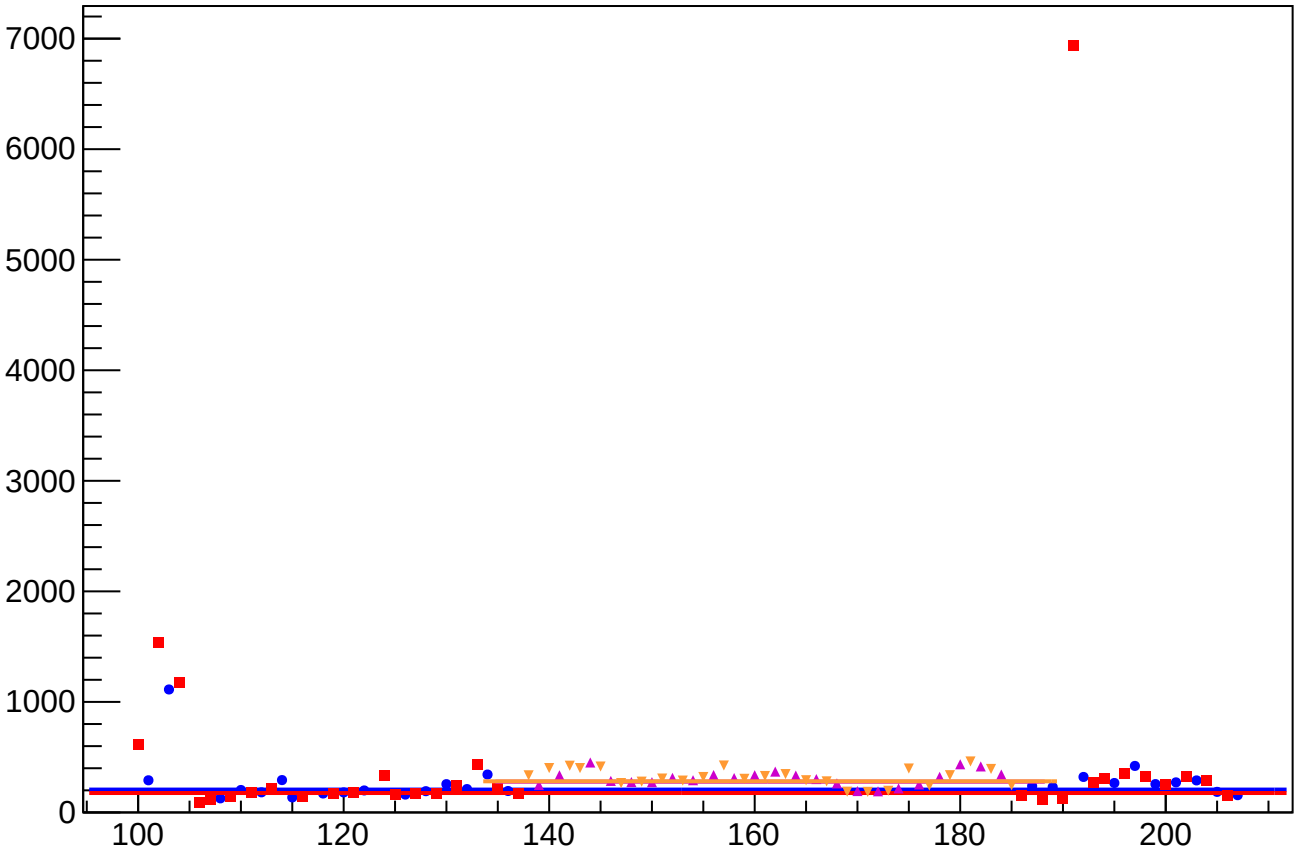
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.003+/-0.038 χ^2/NDF: 72.3/56

In: -0.063+/-0.045 χ^2/NDF:59.0/48

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.020+/-0.030 χ^2/NDF: 130.9/104



Right In: 206.973+/-0.041 χ^2/NDF: 2747523.6/25

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

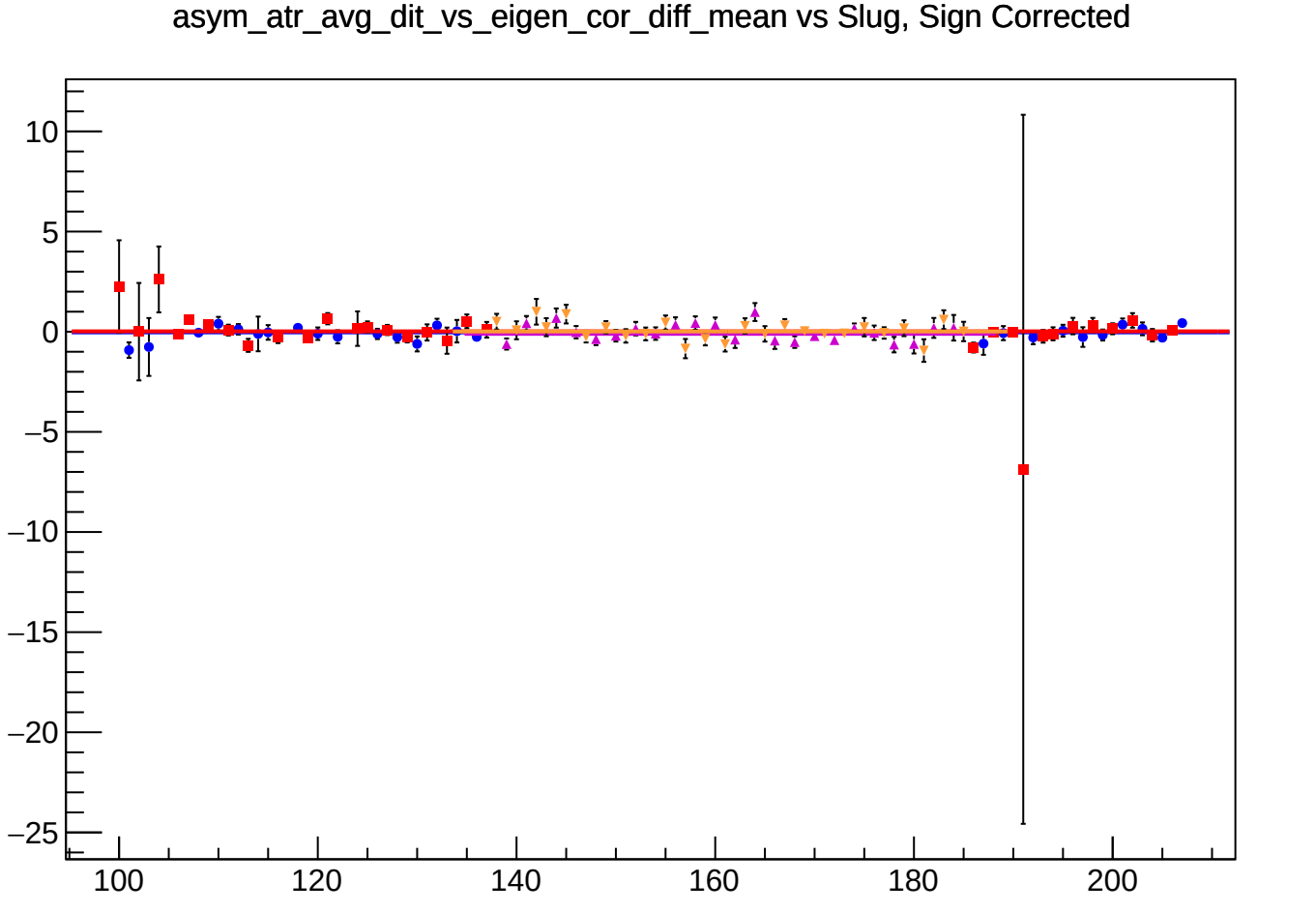
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 189.039+/-0.027 χ^2/NDF: 8543678.1/56

In: 237.087+/-0.031 χ^2/NDF:5801871.9/48

Out: 213.207+/-0.029 χ^2/NDF:11131750.5/55

All: 223.986+/-0.021 χ^2/NDF: 17249057.7/10



Right In: -0.032+/-0.059 χ^2/NDF: 26.9/25

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

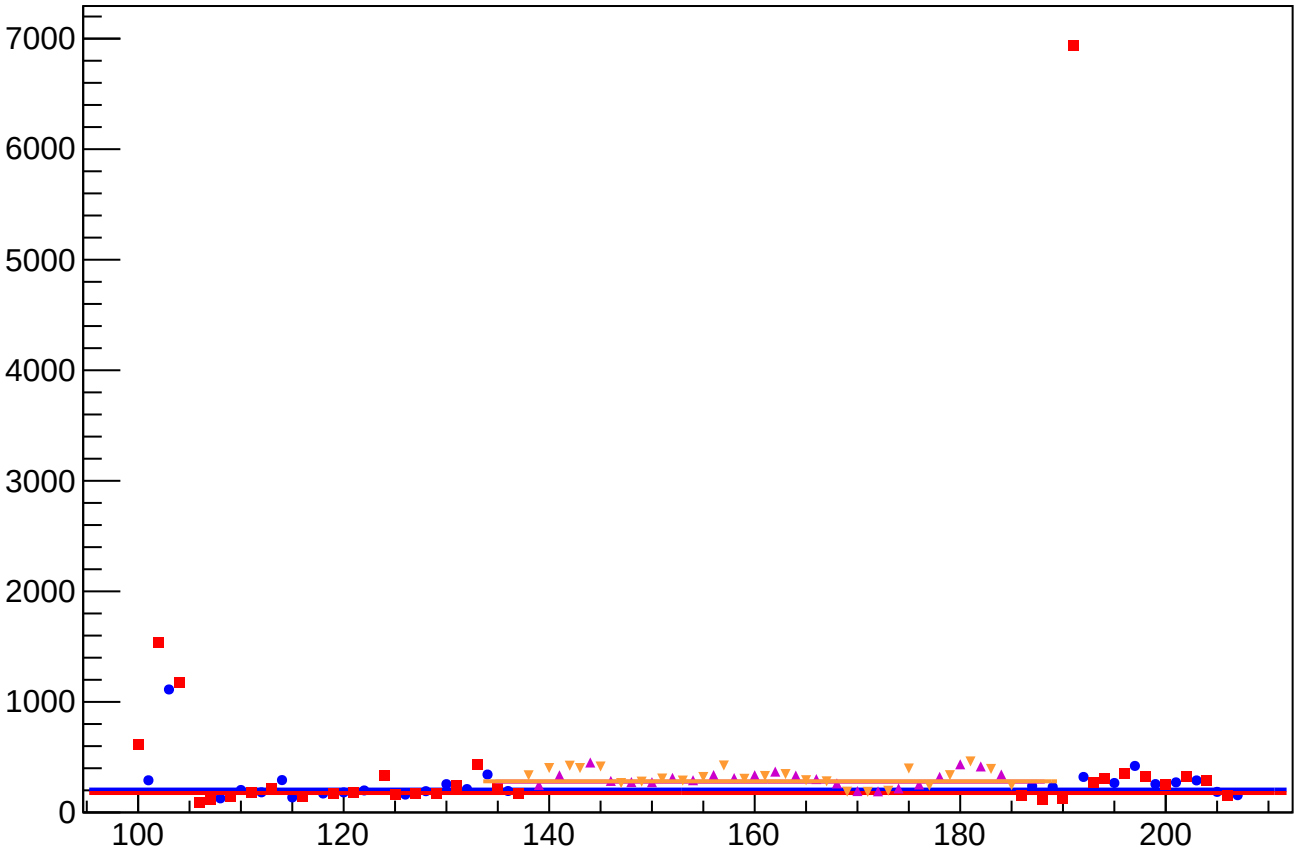
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.003+/-0.038 χ^2/NDF: 72.3/56

In: -0.063+/-0.045 χ^2/NDF:59.0/48

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.020+/-0.030 χ^2/NDF: 130.9/104



Right In: 206.973+/-0.041 χ^2/NDF: 2747523.6/25

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

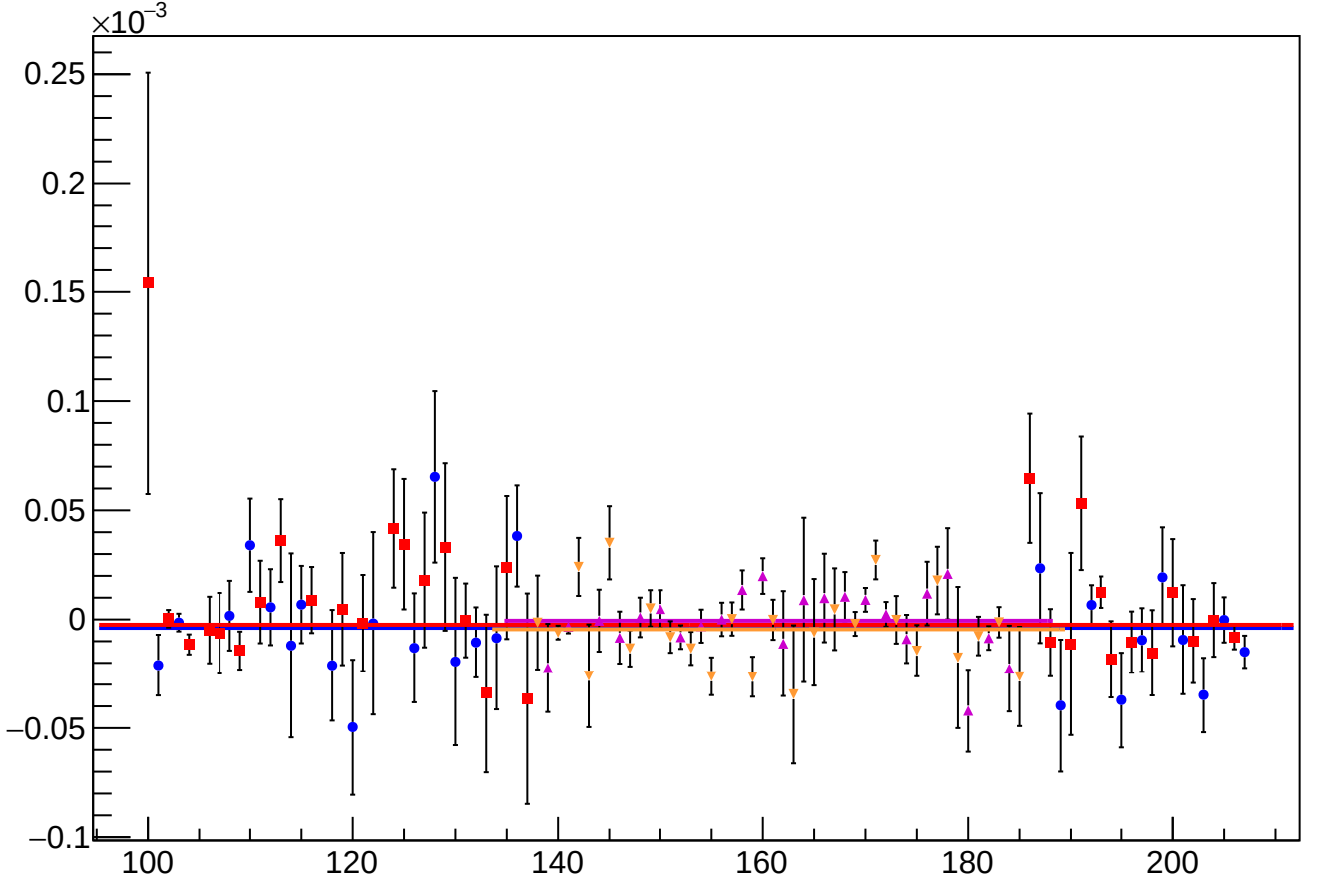
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 189.039+/-0.027 χ^2/NDF: 8543678.1/56

In: 237.087+/-0.031 χ^2/NDF:5801871.9/48

Out: 213.207+/-0.029 χ^2/NDF:11131750.5/55

All: 223.986+/-0.021 χ^2/NDF: 17249057.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.9/25

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

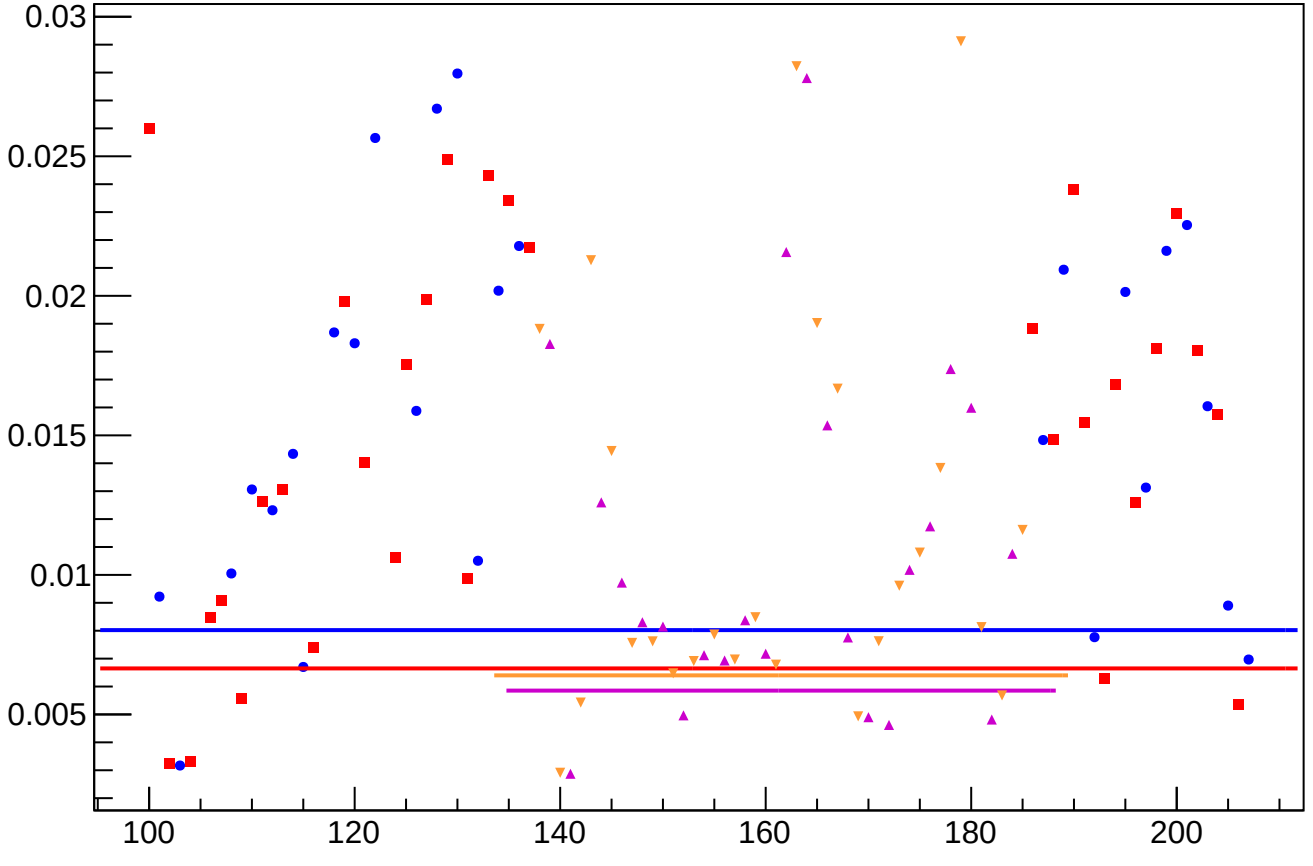
Right: -0.000+/-0.000 χ^2/NDF: 65.8/56

In: -0.000+/-0.000 χ^2/NDF:58.1/48

Out: -0.000+/-0.000 χ^2/NDF:84.7/55

All: -0.000+/-0.000 χ^2/NDF: 144.0/104

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 9482736.2/25

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

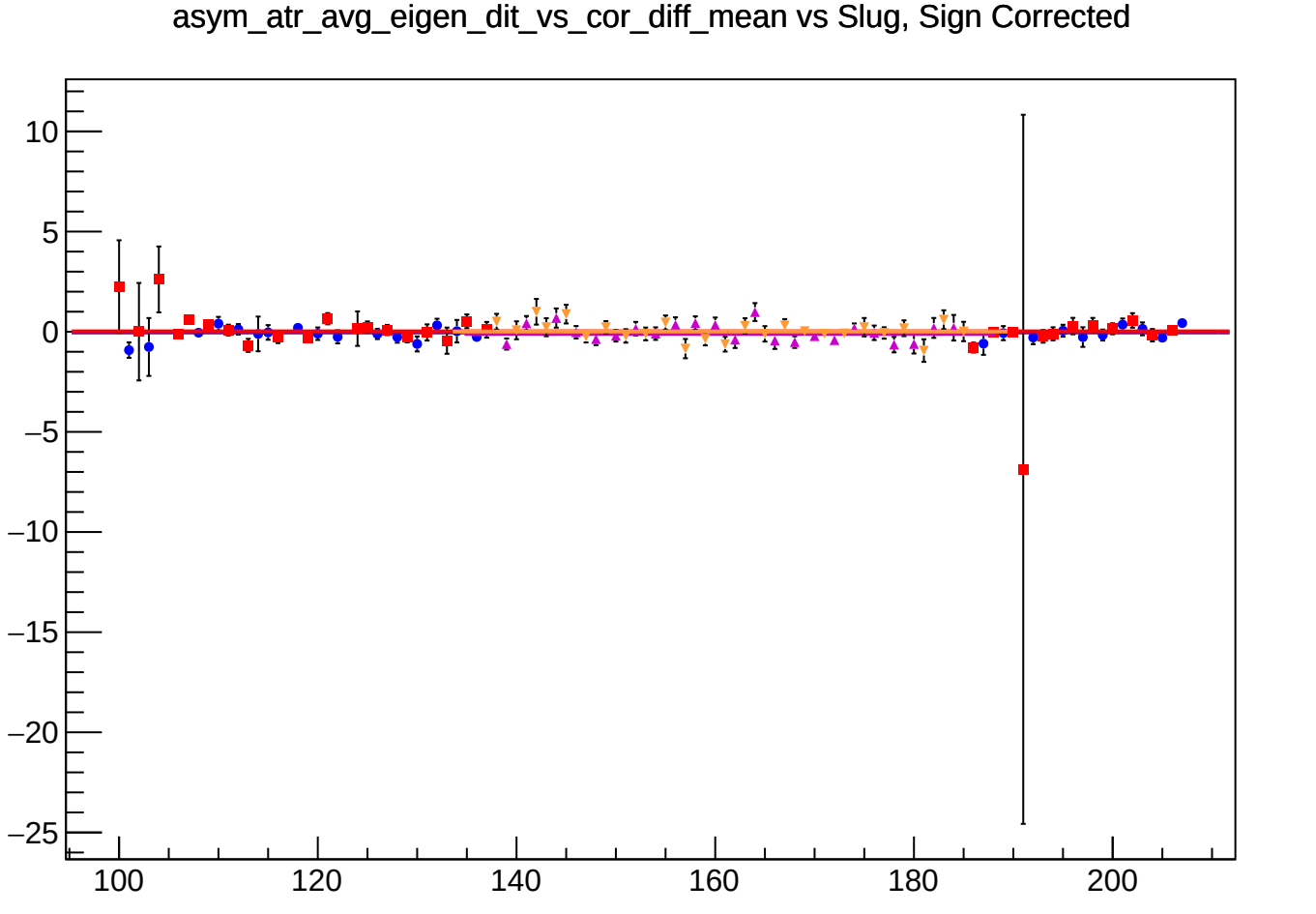
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 21420428.4/56

In: 0.006+/-0.000 χ^2/NDF:18615518.4/48

Out: 0.007+/-0.000 χ^2/NDF:20581494.1/55

All: 0.006+/-0.000 χ^2/NDF: 39197777.3/104



Right In: -0.032+/-0.059 χ^2/NDF: 26.9/25

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

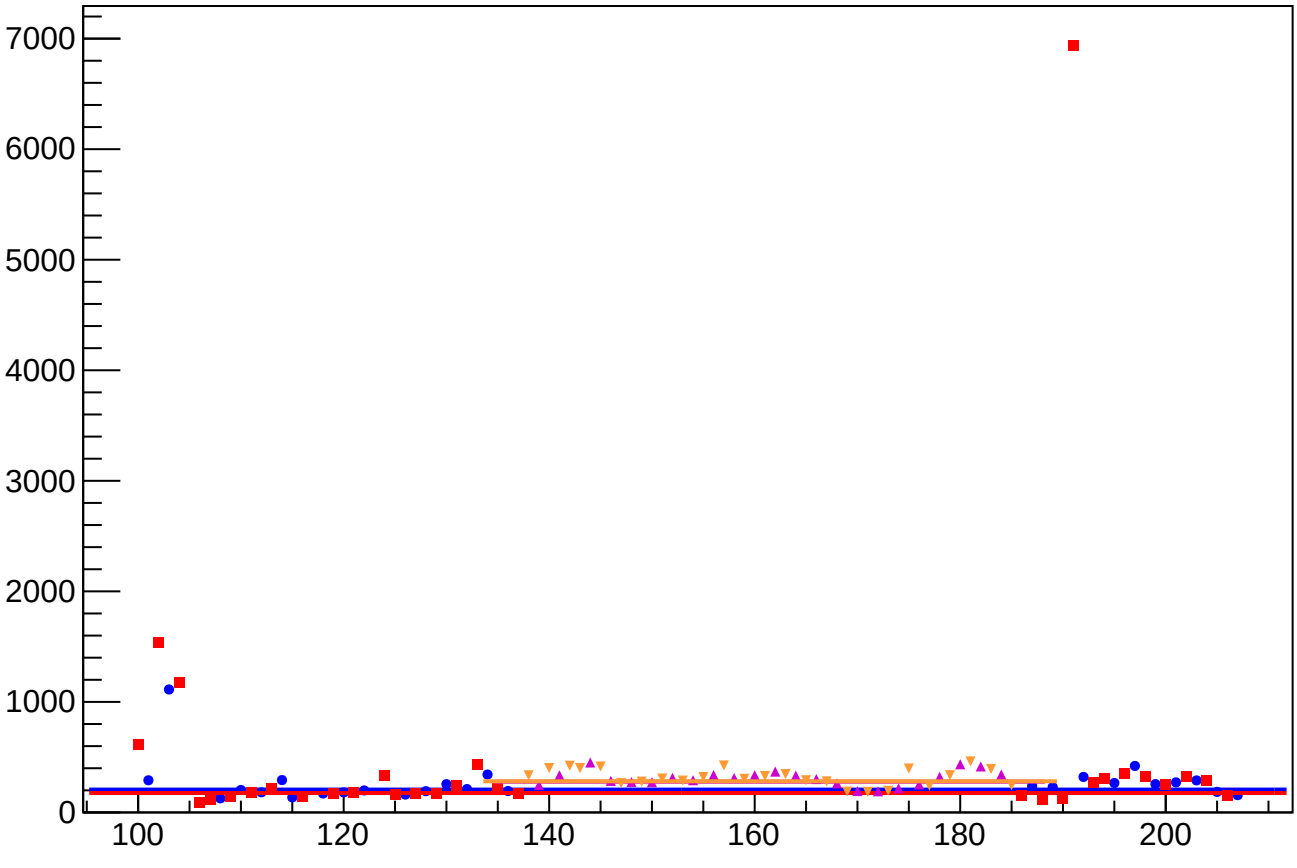
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.003+/-0.038 χ^2/NDF: 72.3/56

In: -0.063+/-0.045 χ^2/NDF:59.0/48

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.020+/-0.030 χ^2/NDF: 130.9/104



Right In: 206.972+/-0.041 χ^2/NDF: 2747537.1/25

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

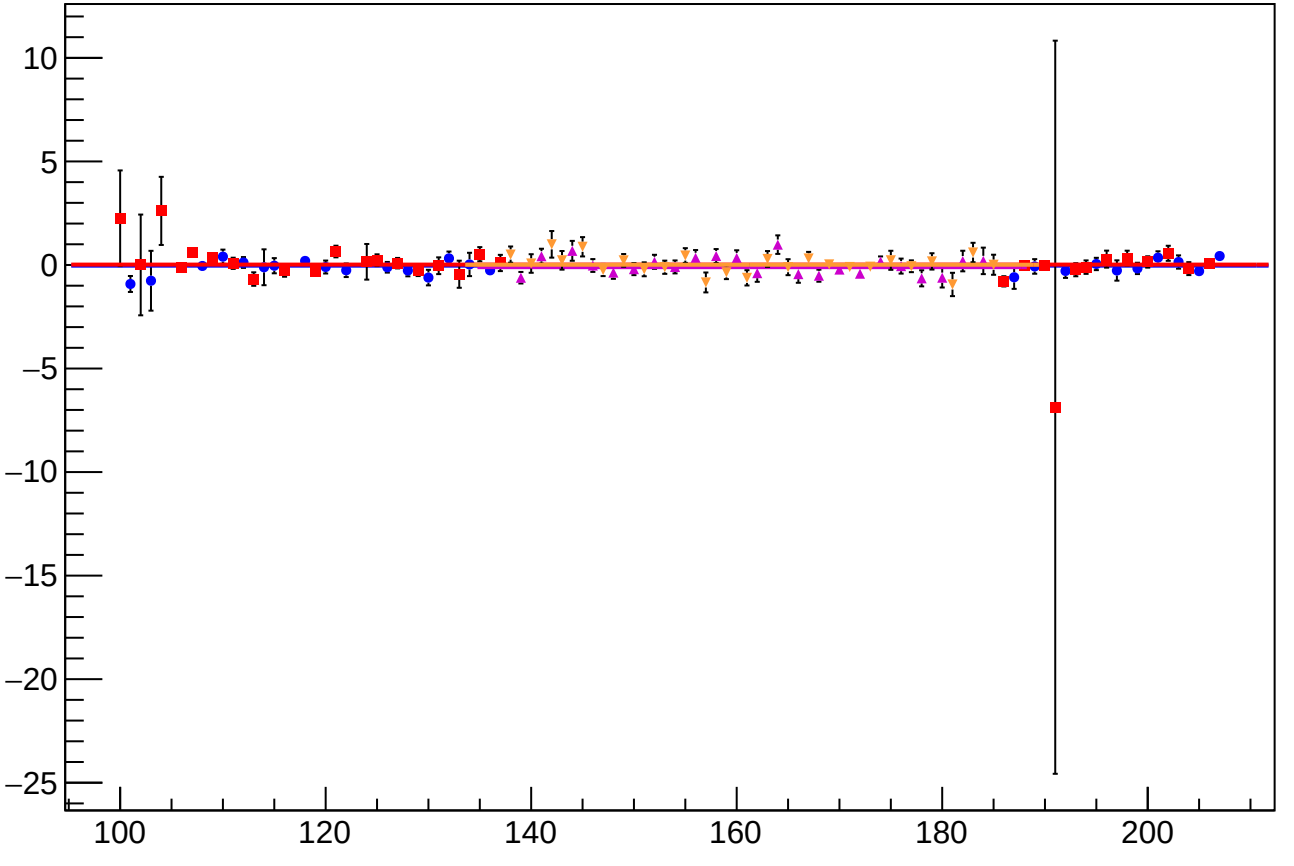
Right: 189.037+/-0.027 χ^2/NDF: 8543904.9/56

In: 237.087+/-0.031 χ^2/NDF:5802013.8/48

Out: 213.204+/-0.029 χ^2/NDF:11132283.5/55

All: 223.985+/-0.021 χ^2/NDF: 17249798.7/10

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.032+/-0.059 χ^2/NDF: 26.9/25

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

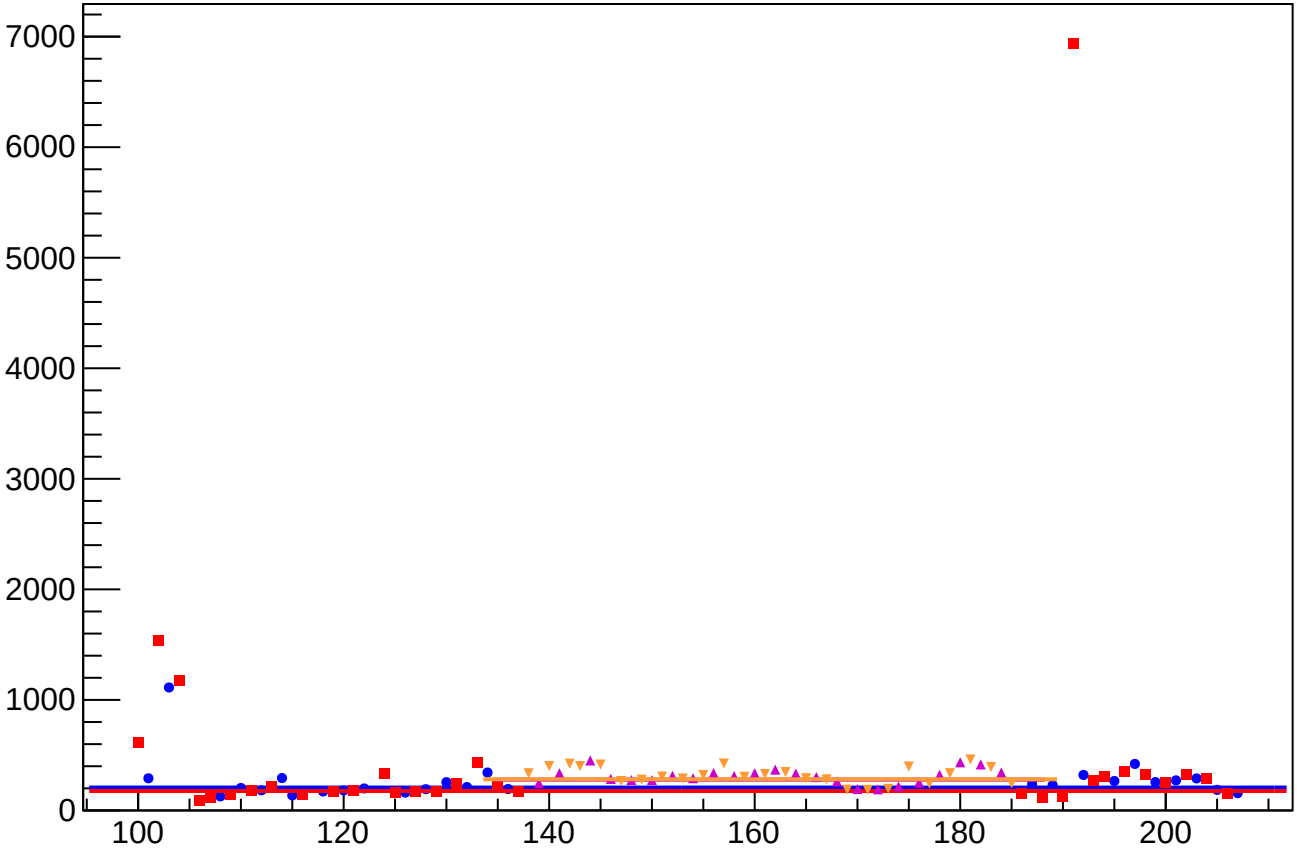
Right: -0.003+/-0.038 χ^2/NDF: 72.3/56

In: -0.063+/-0.045 χ^2/NDF:59.0/48

Out: 0.016+/-0.040 χ^2/NDF:70.2/55

All: -0.020+/-0.030 χ^2/NDF: 130.9/104

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 206.972+/-0.041 χ^2/NDF: 2747537.1/25

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

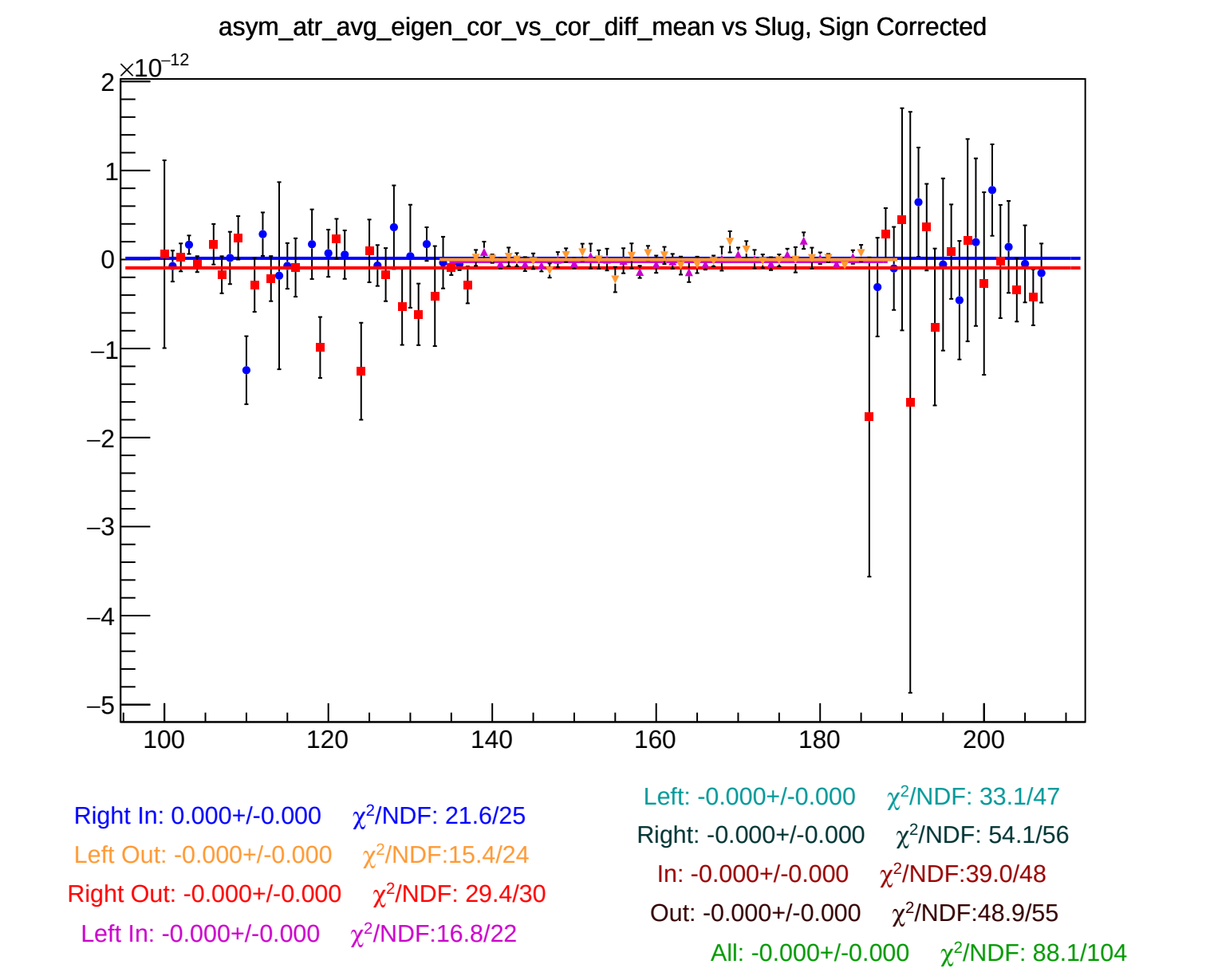
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

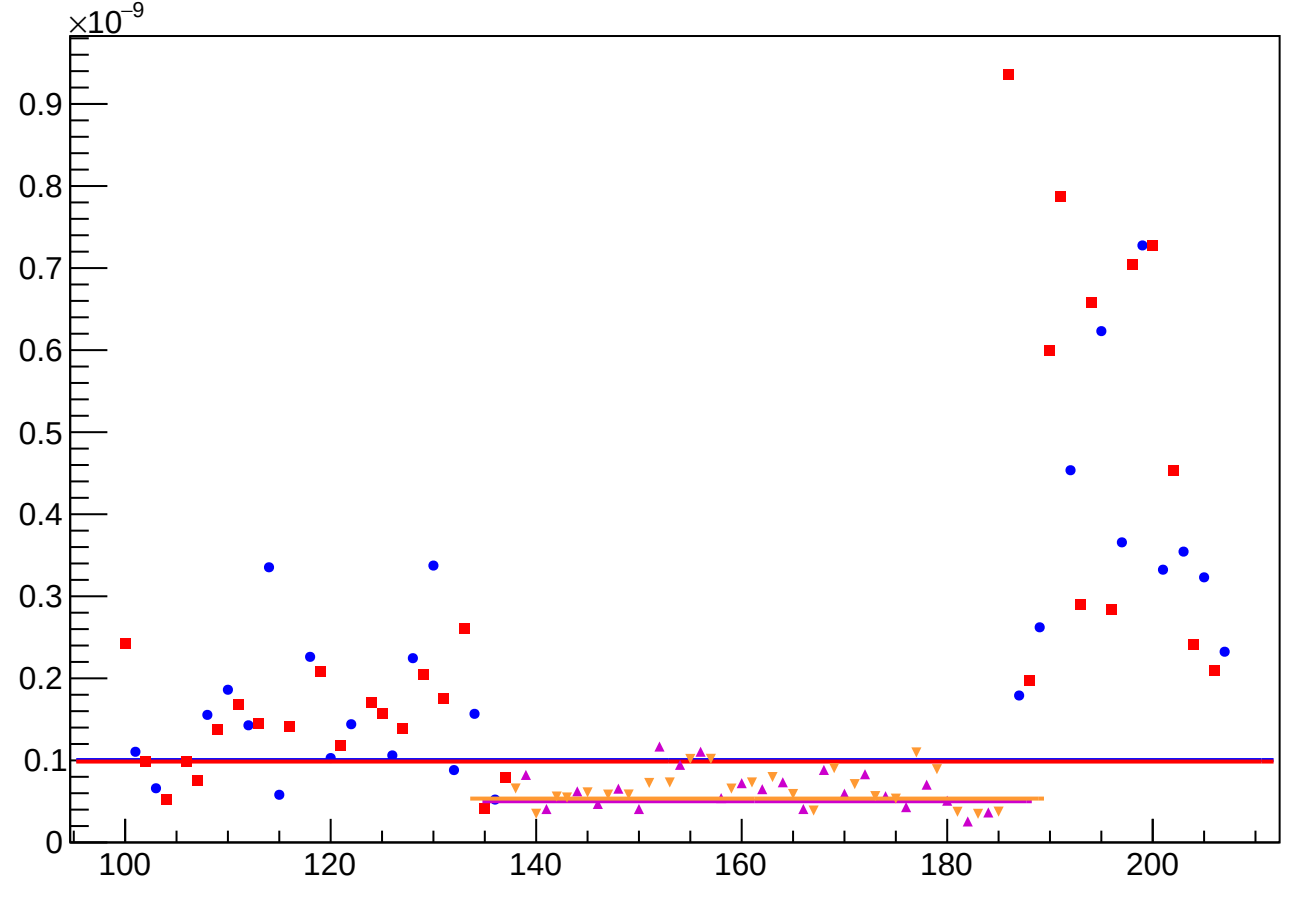
Right: 189.037+/-0.027 χ^2/NDF: 8543904.9/56

In: 237.087+/-0.031 χ^2/NDF:5802013.8/48

Out: 213.204+/-0.029 χ^2/NDF:11132283.5/55

All: 223.985+/-0.021 χ^2/NDF: 17249798.7/10


asym_atr_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: 21.6/25
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.4/30
Left In: -0.000+/-0.000 χ²/NDF:16.8/22
Left: -0.000+/-0.000 χ²/NDF: 33.1/47
Right: -0.000+/-0.000 χ²/NDF: 54.1/56
In: -0.000+/-0.000 χ²/NDF:39.0/48
Out: -0.000+/-0.000 χ²/NDF:48.9/55
All: -0.000+/-0.000 χ²/NDF: 88.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 6846075.9/25

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

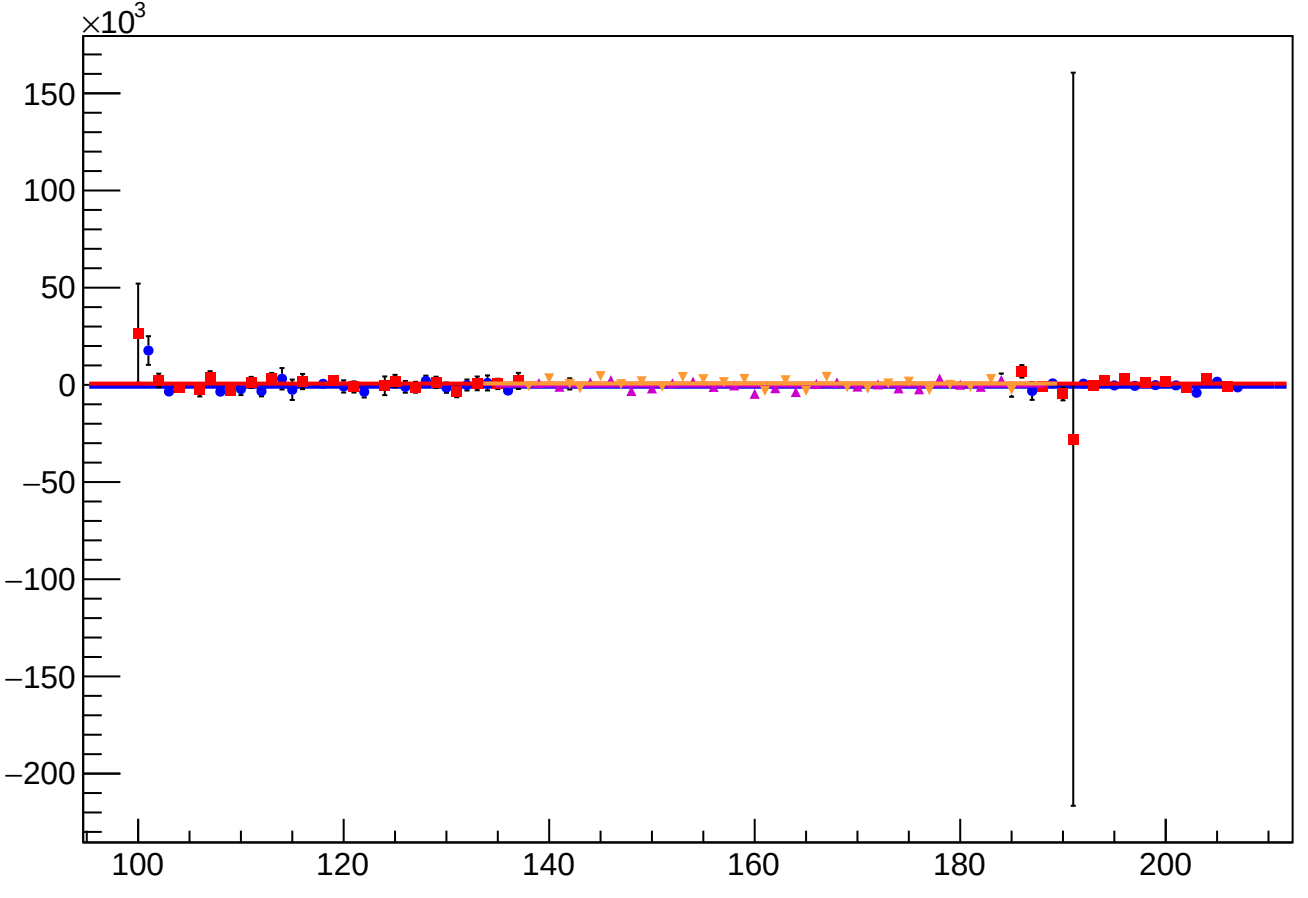
Right: 0.000+/-0.000 χ^2/NDF: 14339173.5/56

In: 0.000+/-0.000 χ^2/NDF:12541422.0/48

Out: 0.000+/-0.000 χ^2/NDF:12227260.5/55

All: 0.000+/-0.000 χ^2/NDF: 24812897.7/104

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -958.172+/-500.669 χ^2/NDF: 19.5/25

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

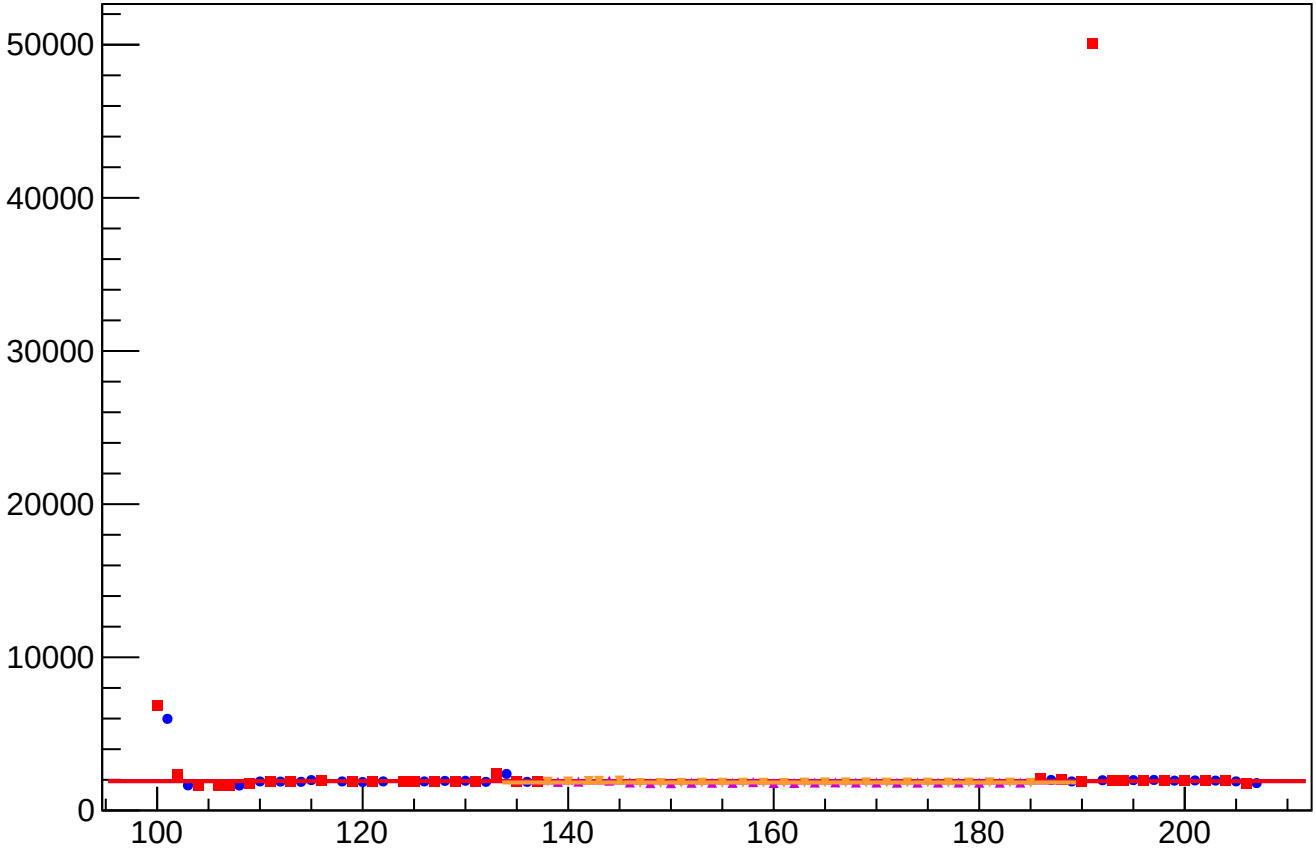
Right: -123.335+/-346.999 χ^2/NDF: 48.2/56

In: -636.360+/-324.543 χ^2/NDF:41.0/48

Out: 681.251+/-314.481 χ^2/NDF:55.2/55

All: 43.186+/-225.845 χ^2/NDF: 104.7/104

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.915+/-0.354 χ^2/NDF: 716435.7/25

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

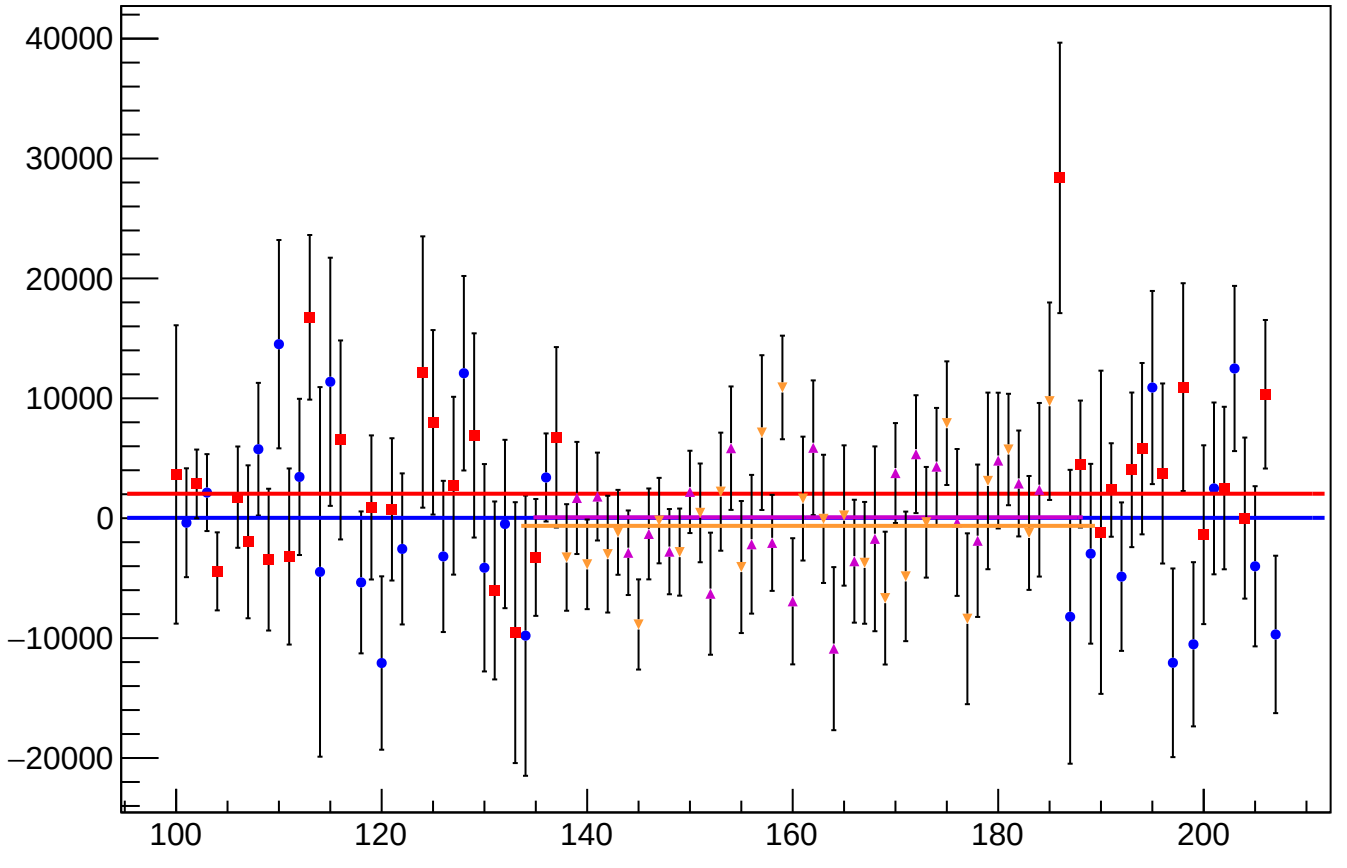
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1914.618+/-0.245 χ^2/NDF: 1102305.5/56

In: 1862.877+/-0.229 χ^2/NDF:767059.9/48

Out: 1865.060+/-0.222 χ^2/NDF:441942.7/55

All: 1864.003+/-0.160 χ^2/NDF: 1209049.3/10



Right In: 30.297+/-1243.634 χ^2/NDF: 27.6/25

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

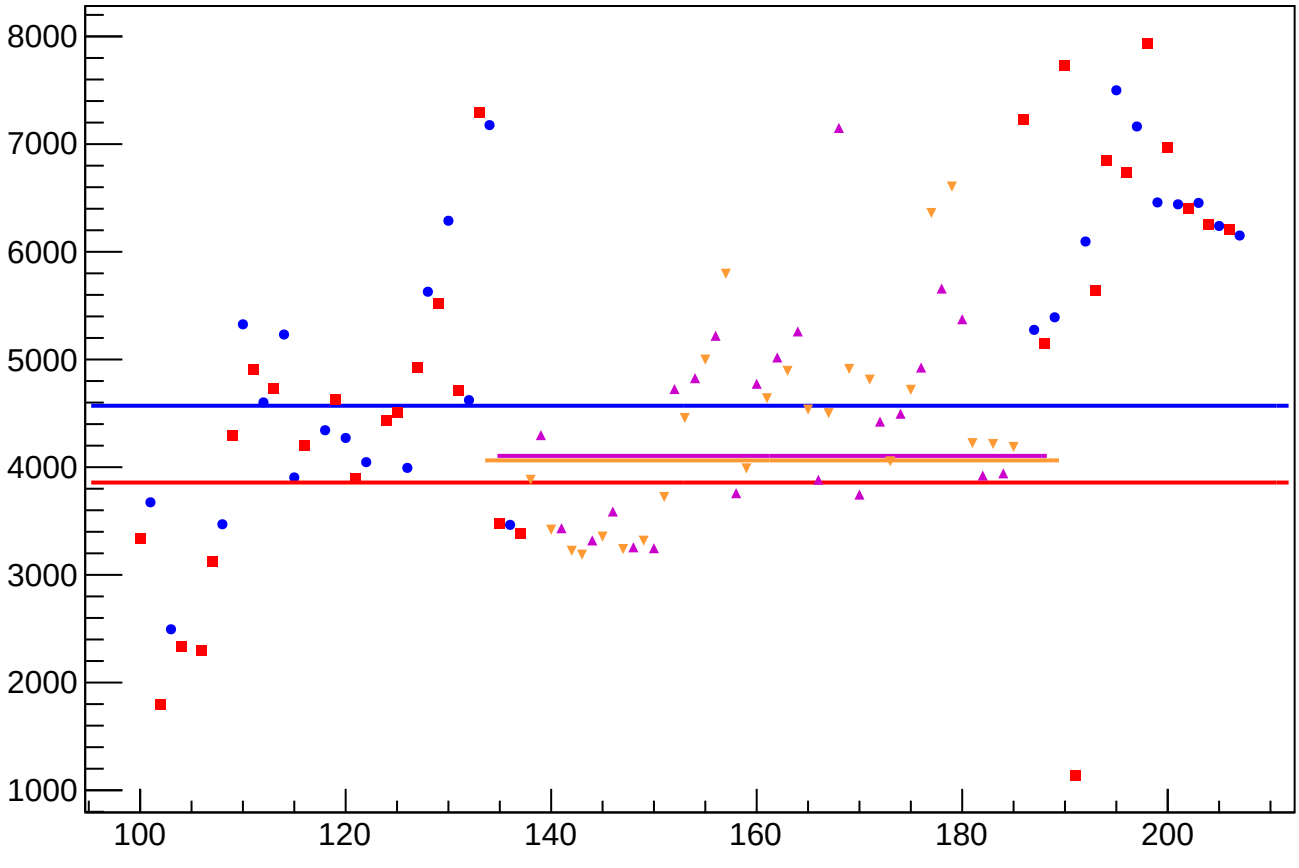
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1180.496+/-813.989 χ^2/NDF: 54.9/56

In: 58.341+/-769.849 χ^2/NDF:43.1/48

Out: 531.226+/-711.016 χ^2/NDF:55.2/55

All: 313.541+/-522.326 χ^2/NDF: 98.5/104



Right In: 4570.651+/-0.879 χ^2/NDF: 2764825.7/25

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

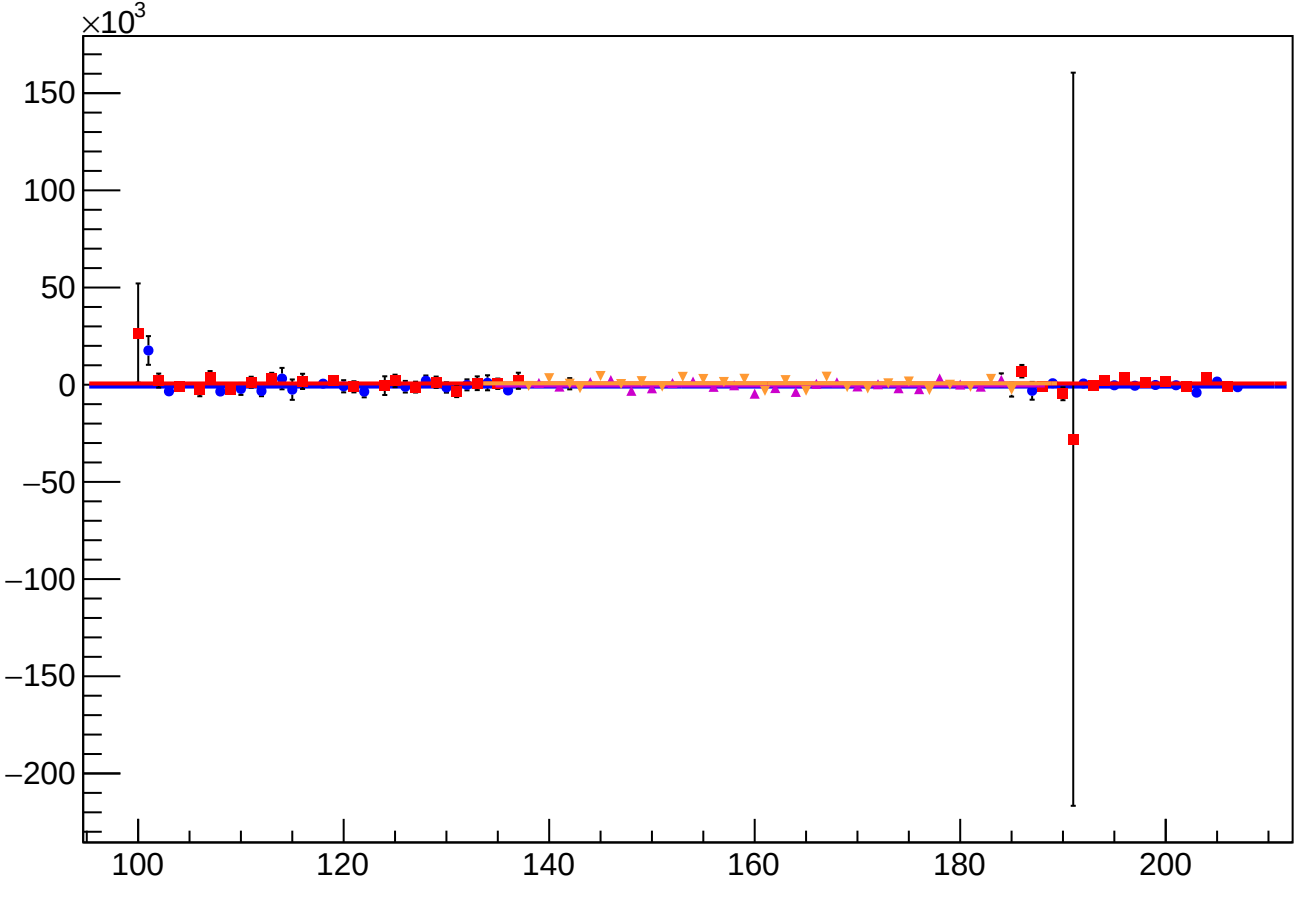
Right: 4163.014+/-0.576 χ^2/NDF: 9264462.5/56

In: 4283.473+/-0.544 χ^2/NDF:4297222.1/48

Out: 3973.436+/-0.503 χ^2/NDF:7569877.9/55

All: 4116.157+/-0.369 χ^2/NDF: 12042153.5/1

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -958.376+/-500.669 χ^2/NDF: 19.5/25

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

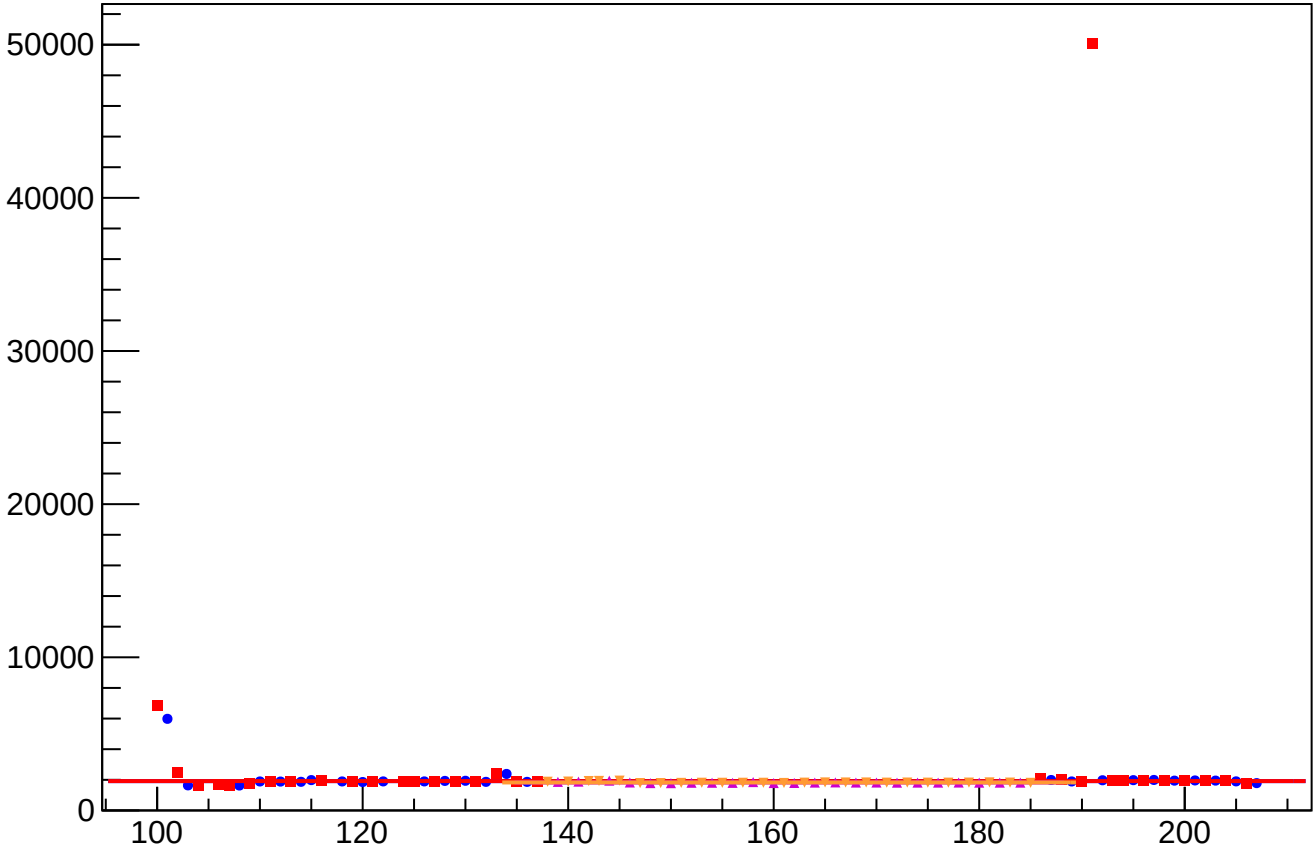
Right: -126.298+/-347.113 χ^2/NDF: 48.0/56

In: -636.351+/-324.543 χ^2/NDF:40.9/48

Out: 679.366+/-314.566 χ^2/NDF:55.2/55

All: 42.041+/-225.877 χ^2/NDF: 104.6/104

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.915+/-0.354 χ^2/NDF: 716435.9/25

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

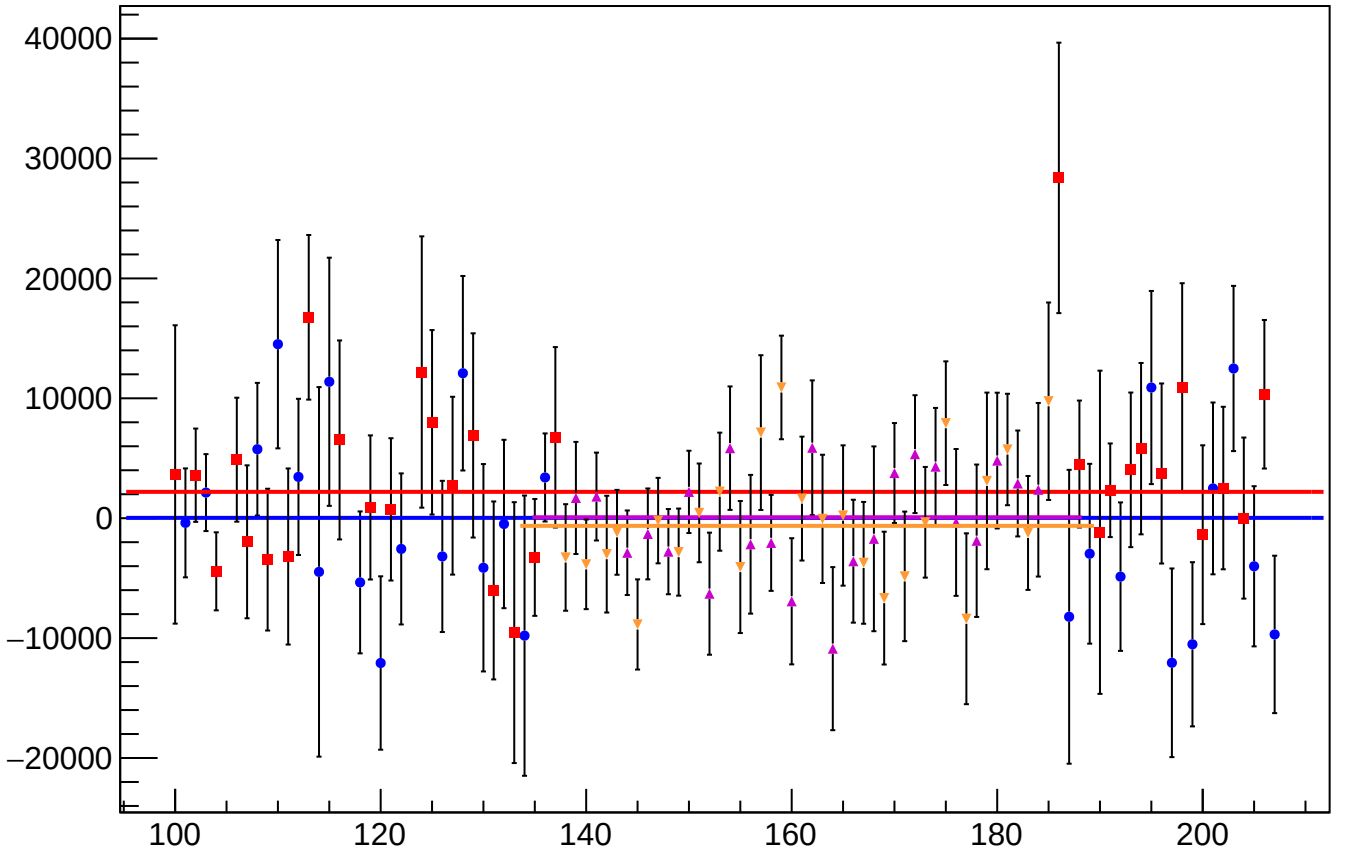
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1916.329+/-0.245 χ^2/NDF: 1109096.1/56

In: 1862.877+/-0.229 χ^2/NDF:767060.0/48

Out: 1866.402+/-0.222 χ^2/NDF:451498.9/55

All: 1864.695+/-0.160 χ^2/NDF: 1218680.6/10



Right In: 29.246+/-1243.737 χ^2/NDF: 27.6/25

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

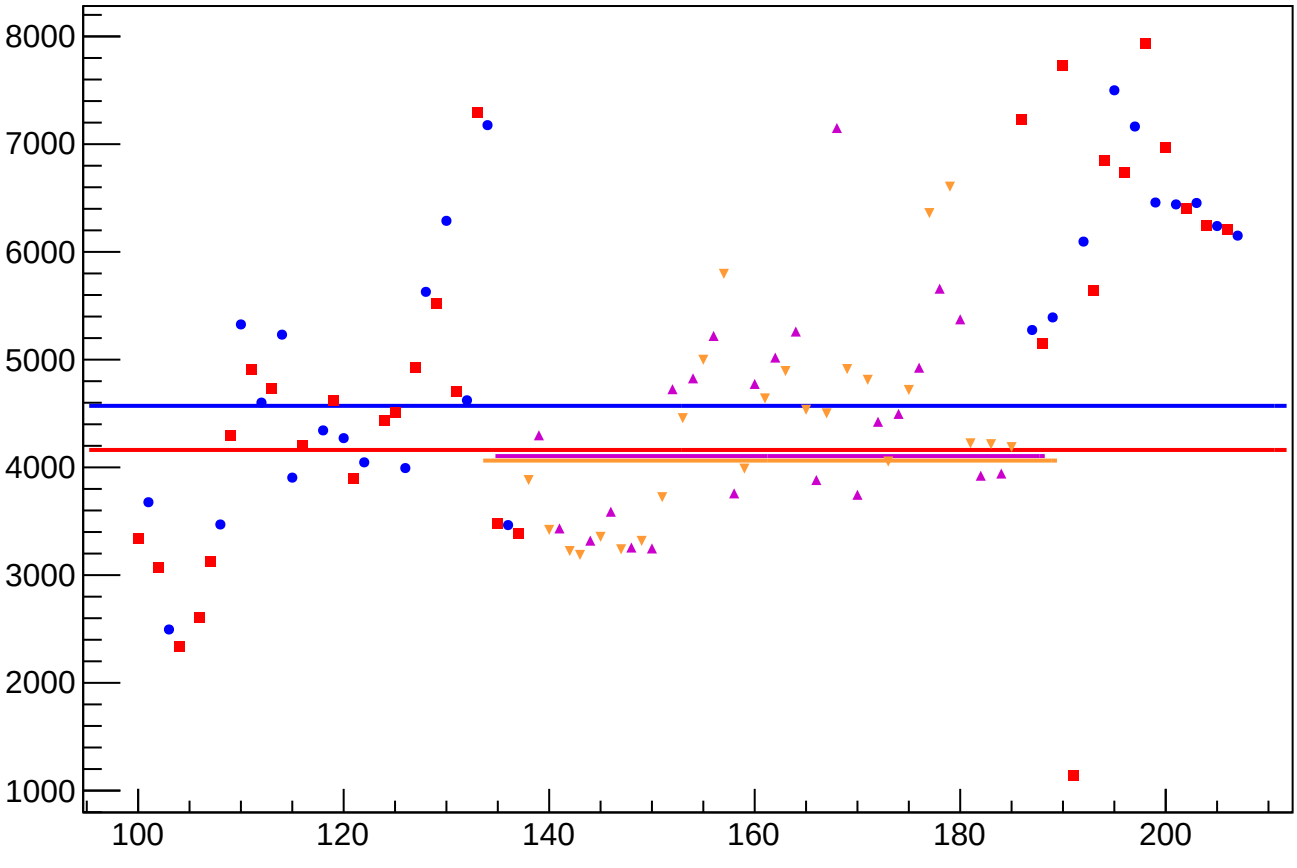
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1221.310+/-834.875 χ^2/NDF: 55.4/56

In: 57.956+/-769.873 χ^2/NDF:43.1/48

Out: 536.871+/-724.789 χ^2/NDF:55.8/55

All: 311.846+/-527.722 χ^2/NDF: 99.1/104



Right In: 4571.145+/-0.879 χ^2/NDF: 2763537.1/25

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

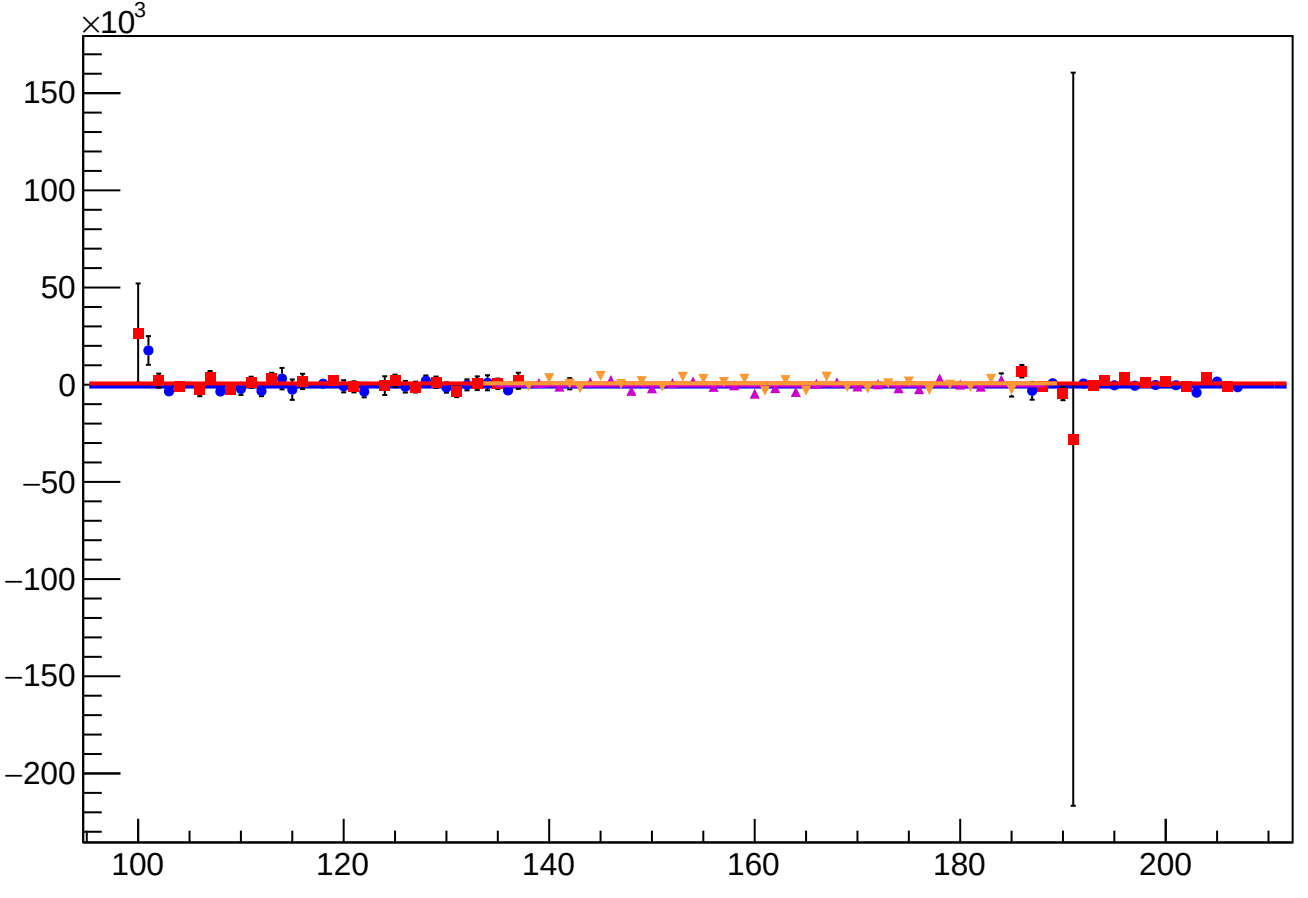
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4346.208+/-0.590 χ^2/NDF: 7749579.0/56

In: 4283.639+/-0.544 χ^2/NDF:4296297.4/48

Out: 4103.942+/-0.513 χ^2/NDF:6280986.7/55

All: 4188.375+/-0.373 χ^2/NDF: 10635049.0/1



Right In: -958.376+/-500.669 χ^2/NDF: 19.5/25

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

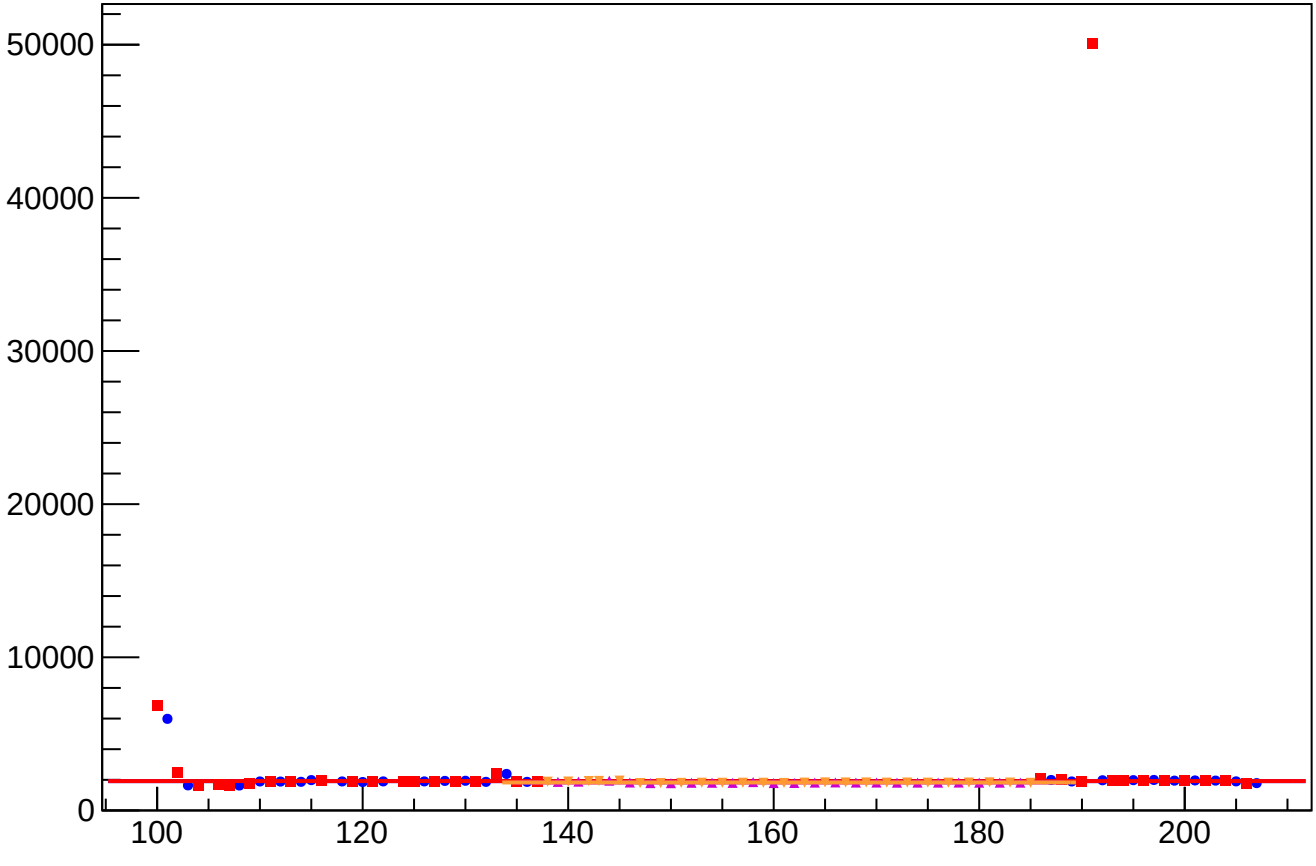
Right: -126.298+/-347.113 χ^2/NDF: 48.0/56

In: -636.351+/-324.543 χ^2/NDF:40.9/48

Out: 679.366+/-314.566 χ^2/NDF:55.2/55

All: 42.041+/-225.877 χ^2/NDF: 104.6/104

eigen_cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1914.915+/-0.354 χ^2/NDF: 716435.9/25

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

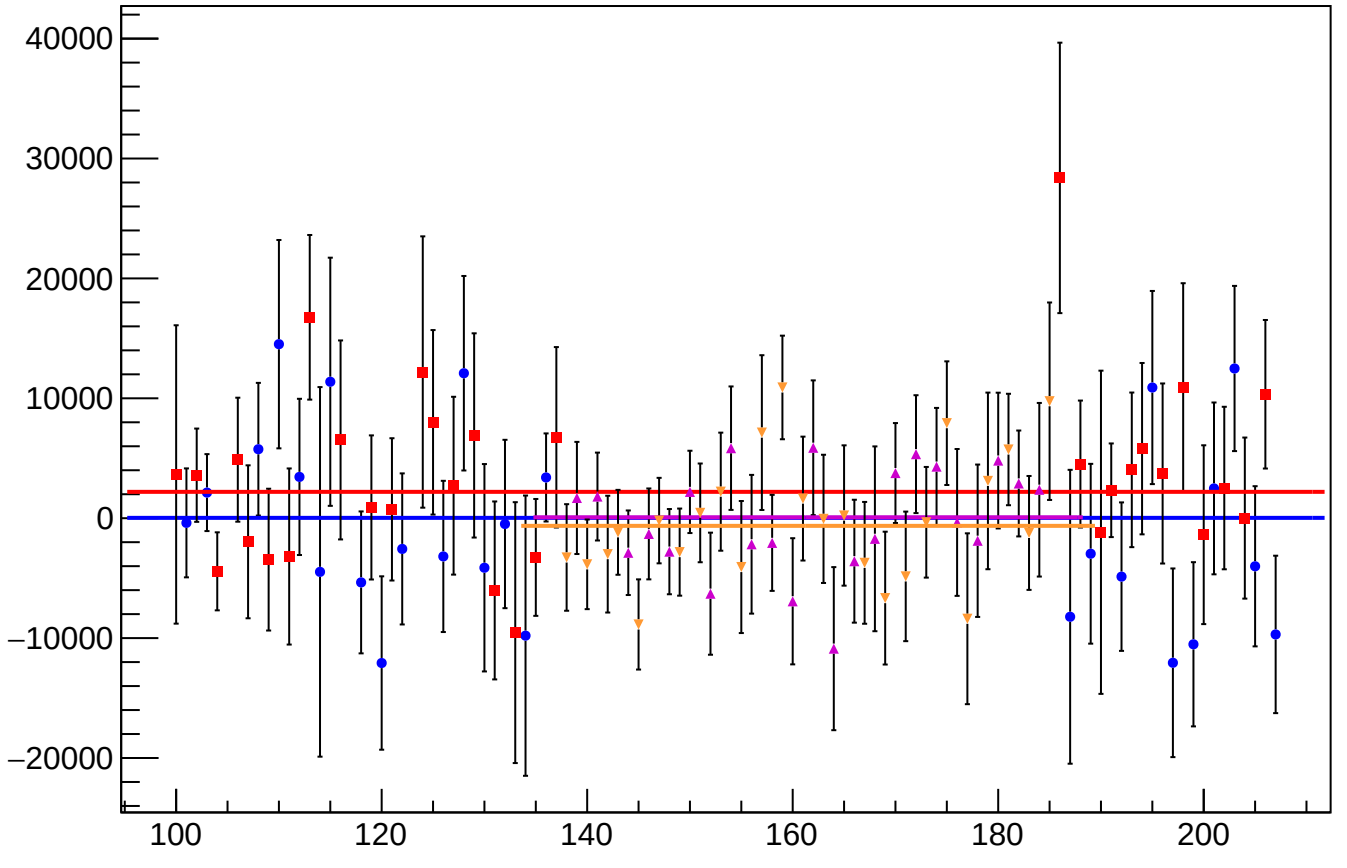
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1916.329+/-0.245 χ^2/NDF: 1109096.1/56

In: 1862.877+/-0.229 χ^2/NDF:767060.0/48

Out: 1866.402+/-0.222 χ^2/NDF:451498.9/55

All: 1864.695+/-0.160 χ^2/NDF: 1218680.6/10



Right In: 29.246+/-1243.737 χ^2/NDF: 27.6/25

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

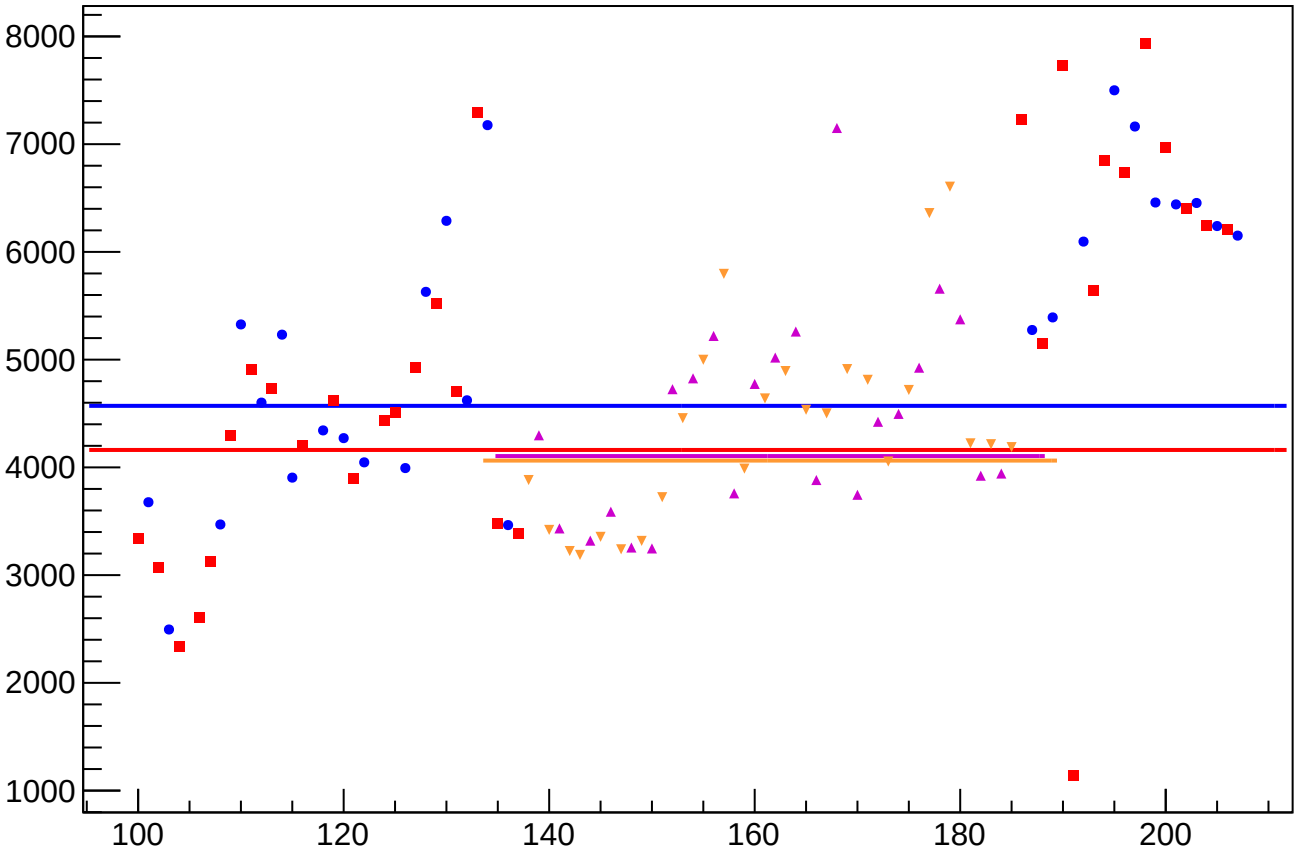
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1221.310+/-834.875 χ^2/NDF: 55.4/56

In: 57.956+/-769.873 χ^2/NDF:43.1/48

Out: 536.871+/-724.789 χ^2/NDF:55.8/55

All: 311.846+/-527.722 χ^2/NDF: 99.1/104



Right In: 4571.145+/-0.879 χ^2/NDF: 2763537.1/25

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

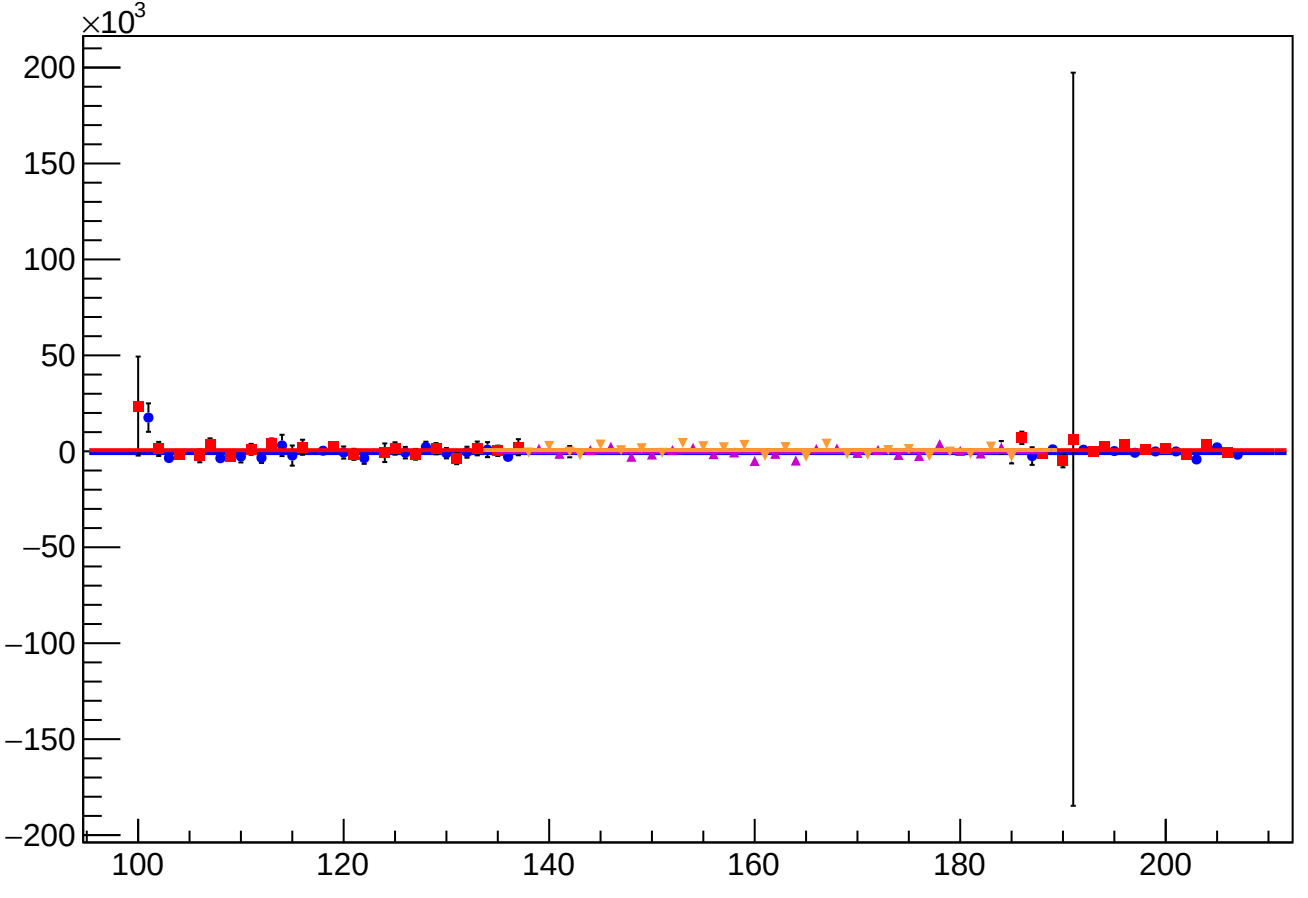
Right: 4346.208+/-0.590 χ^2/NDF: 7749579.0/56

In: 4283.639+/-0.544 χ^2/NDF:4296297.4/48

Out: 4103.942+/-0.513 χ^2/NDF:6280986.7/55

All: 4188.375+/-0.373 χ^2/NDF: 10635049.0/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -920.309+/-505.021 χ^2/NDF: 21.0/25

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

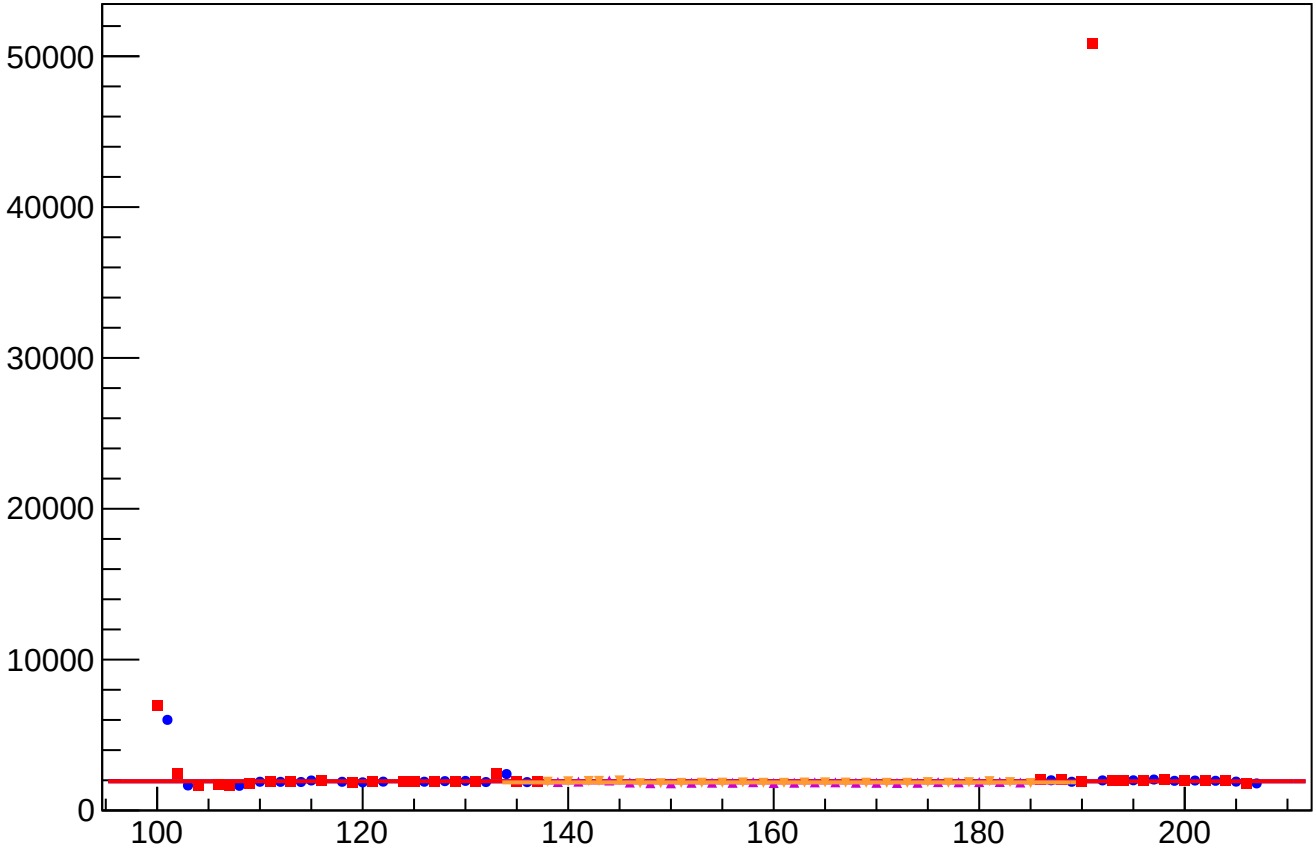
Right: -134.612+/-350.315 χ^2/NDF: 50.6/56

In: -627.195+/-329.092 χ^2/NDF:45.2/48

Out: 630.239+/-319.196 χ^2/NDF:52.1/55

All: 20.711+/-229.124 χ^2/NDF: 104.8/104

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1931.351+/-0.357 χ^2/NDF: 720442.0/25

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

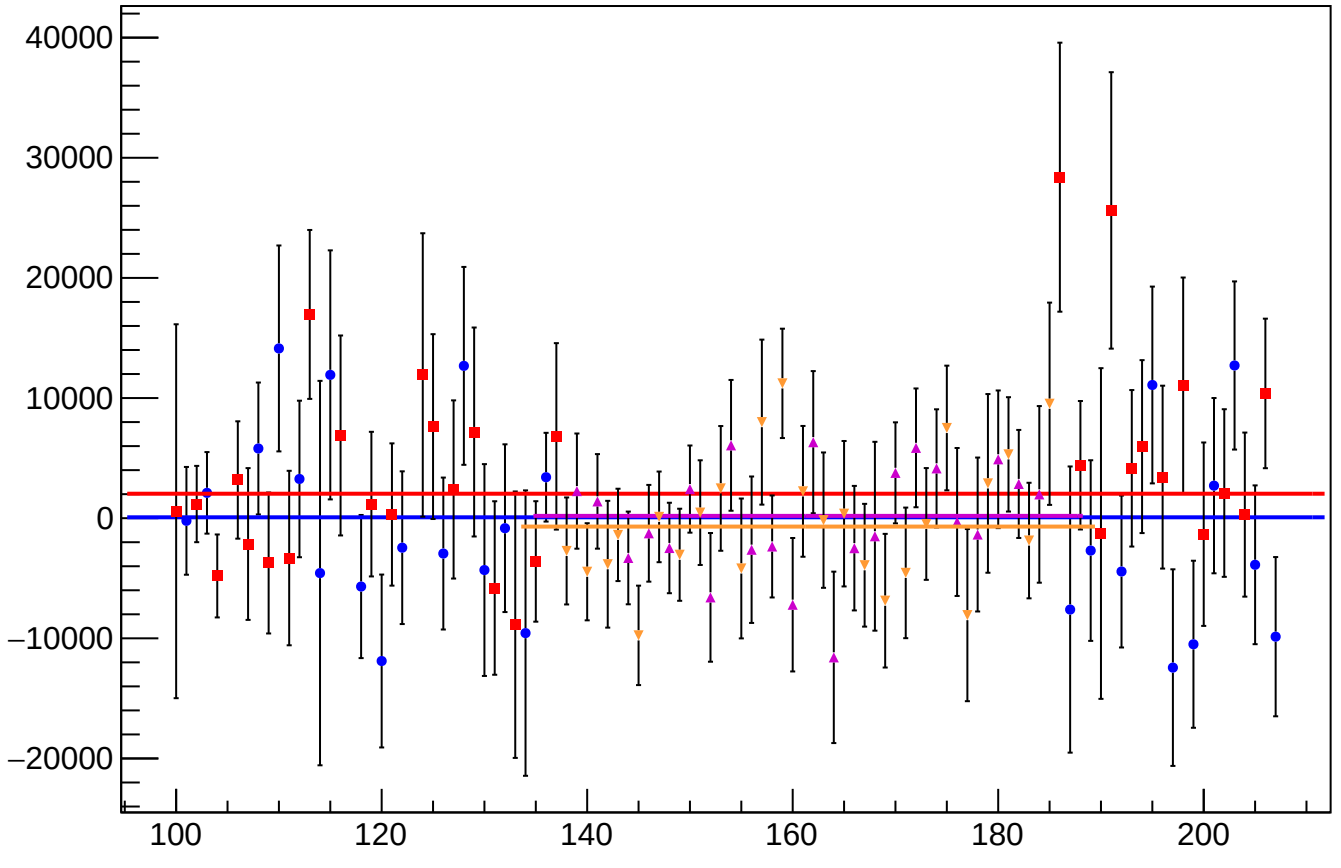
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1933.573+/-0.248 χ^2/NDF: 1123247.5/56

In: 1888.952+/-0.233 χ^2/NDF:761323.4/48

Out: 1893.581+/-0.226 χ^2/NDF:455047.8/55

All: 1891.338+/-0.162 χ^2/NDF: 1216575.2/10



Right In: 73.863+/-1258.903 χ^2/NDF: 27.5/25

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

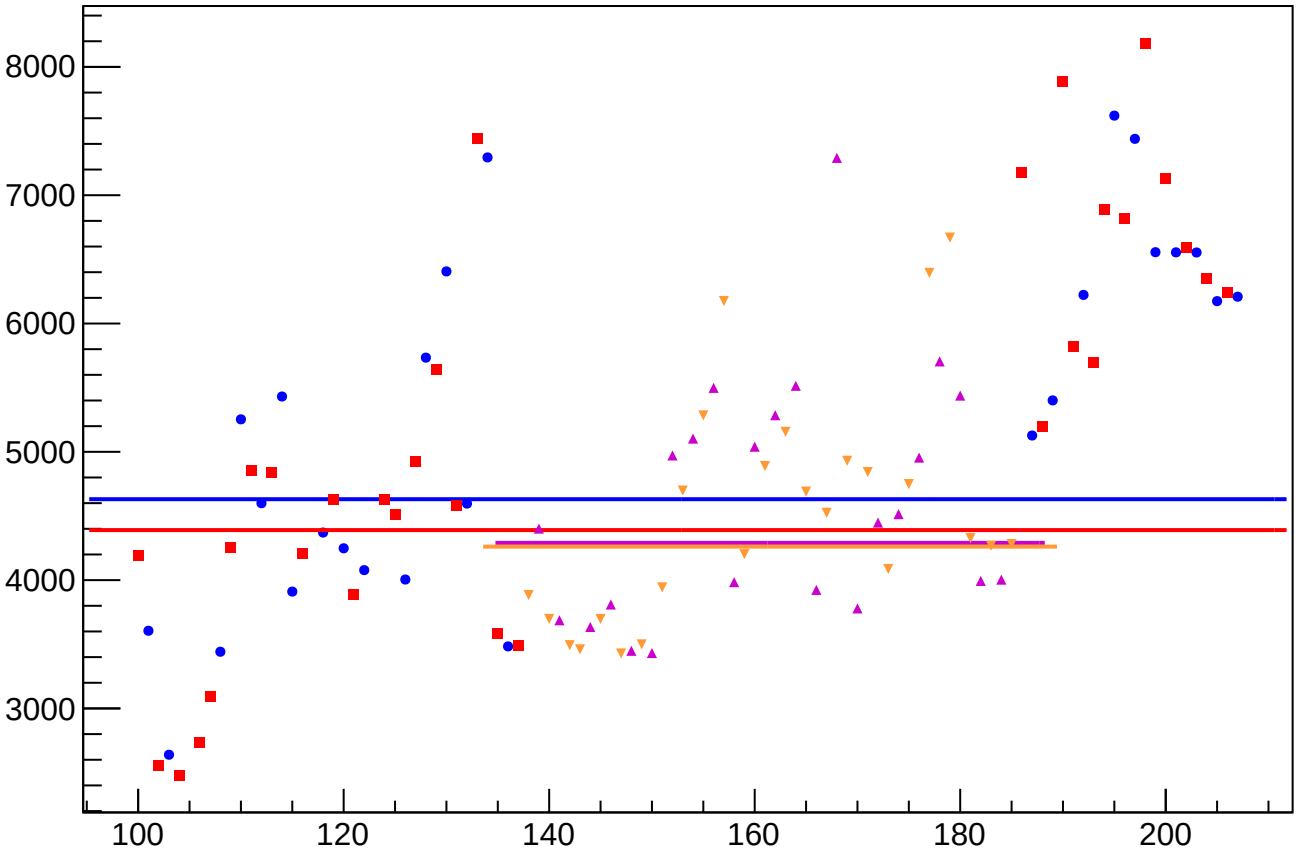
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1137.071+/-852.348 χ^2/NDF: 58.6/56

In: 145.337+/-793.673 χ^2/NDF:42.6/48

Out: 456.539+/-752.557 χ^2/NDF:58.4/55

All: 309.208+/-546.095 χ^2/NDF: 101.1/104



Right In: 4630.827+/-0.890 χ^2/NDF: 2686125.7/25

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

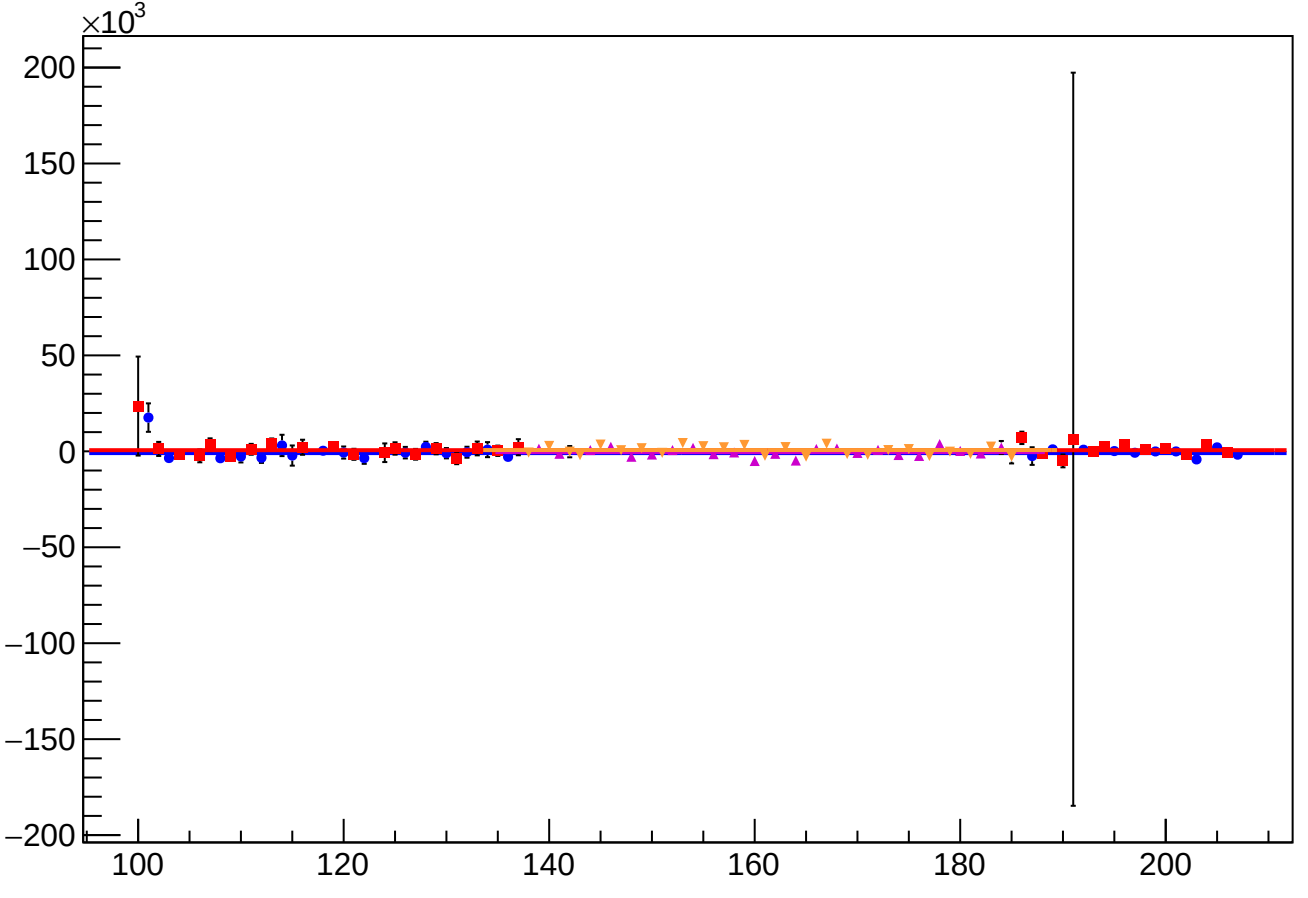
Right: 4500.390+/-0.603 χ^2/NDF: 6654670.3/56

In: 4425.707+/-0.561 χ^2/NDF:3988211.9/48

Out: 4315.530+/-0.532 χ^2/NDF:5133767.8/55

All: 4367.691+/-0.386 χ^2/NDF: 9142274.4/10

eigen_dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -920.309+/-505.021 χ^2/NDF: 21.0/25

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

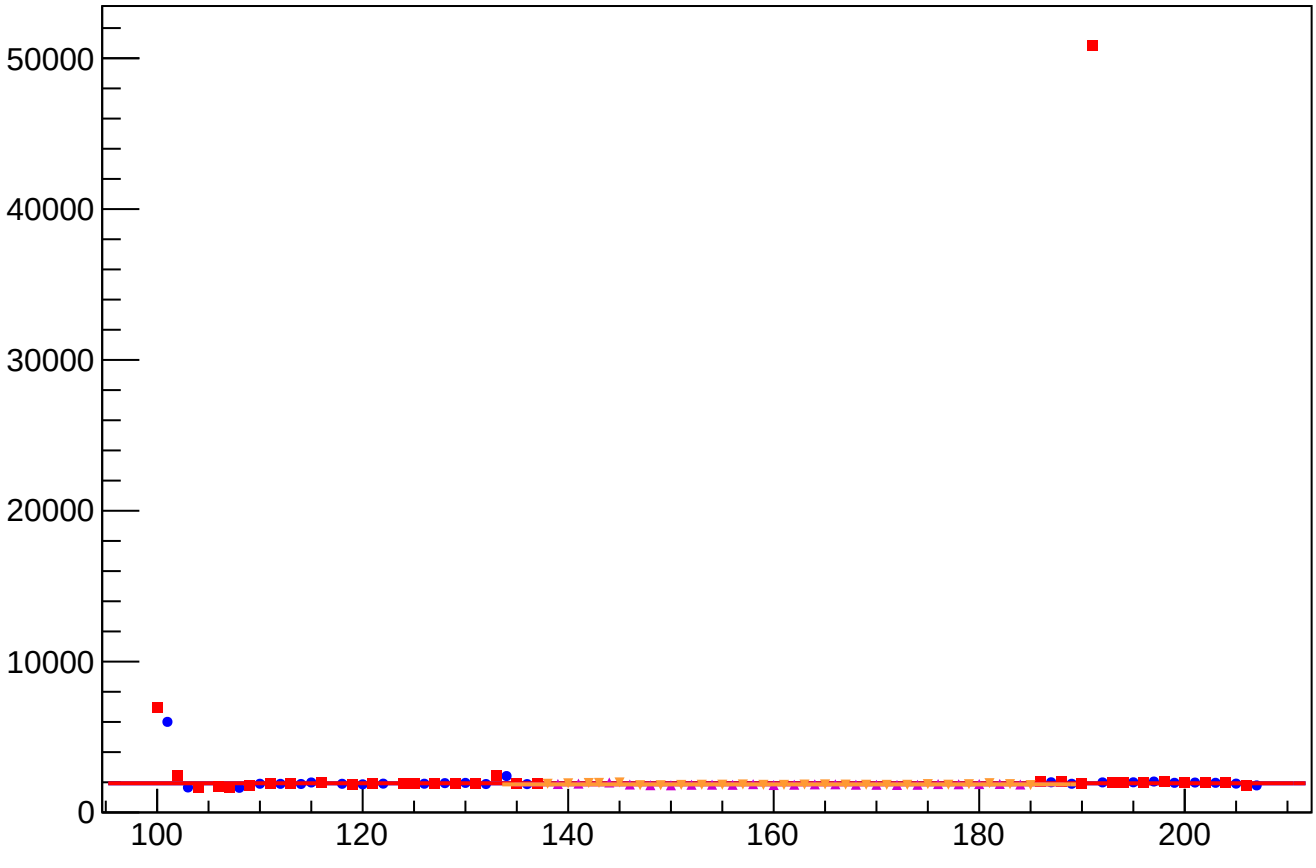
Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

Right: -134.613+/-350.315 χ^2/NDF: 50.6/56

In: -627.195+/-329.092 χ^2/NDF:45.2/48

Out: 630.241+/-319.196 χ^2/NDF:52.1/55

All: 20.712+/-229.124 χ^2/NDF: 104.8/104



Right In: 1931.351+/-0.357 χ^2/NDF: 720441.9/25

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

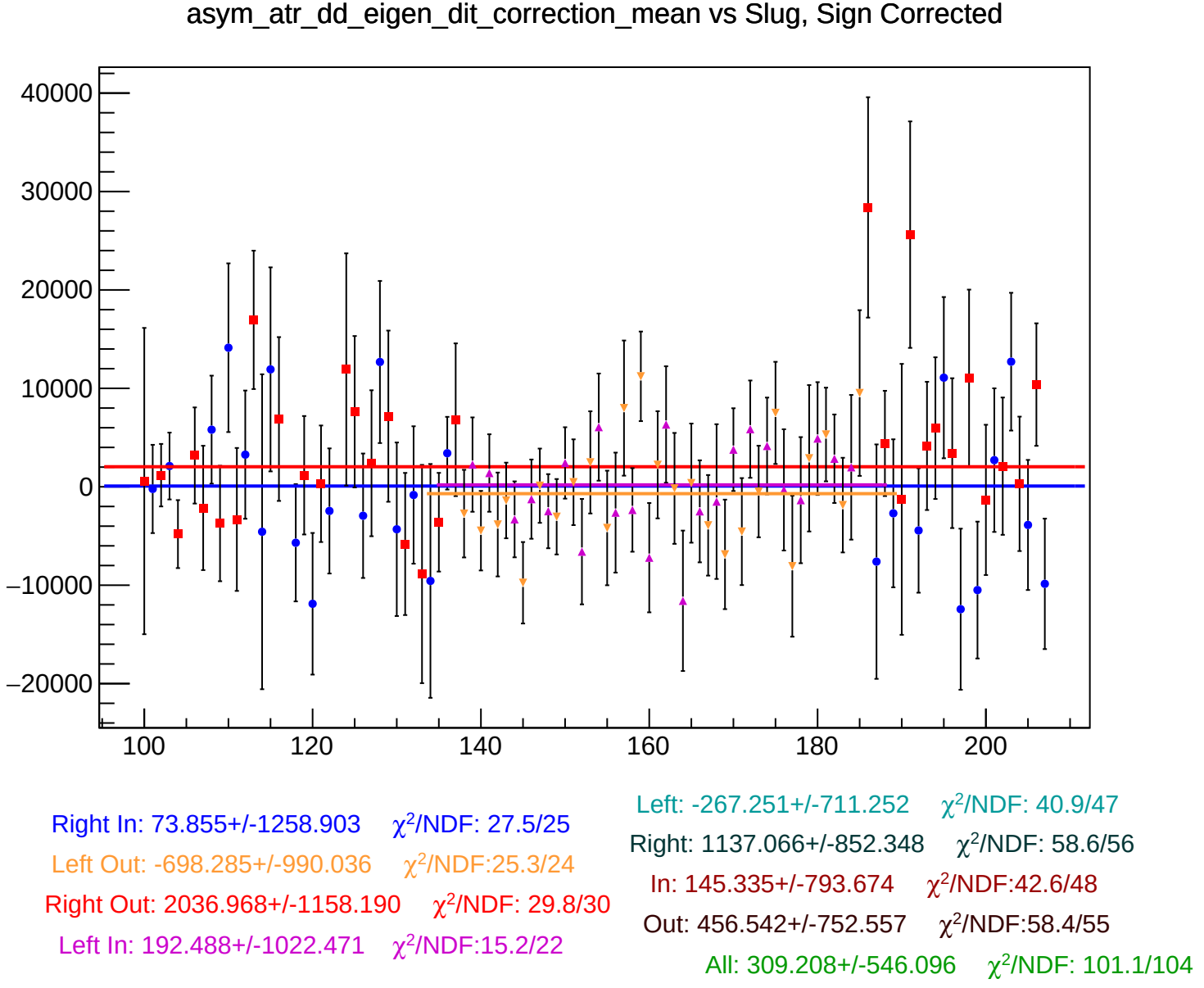
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

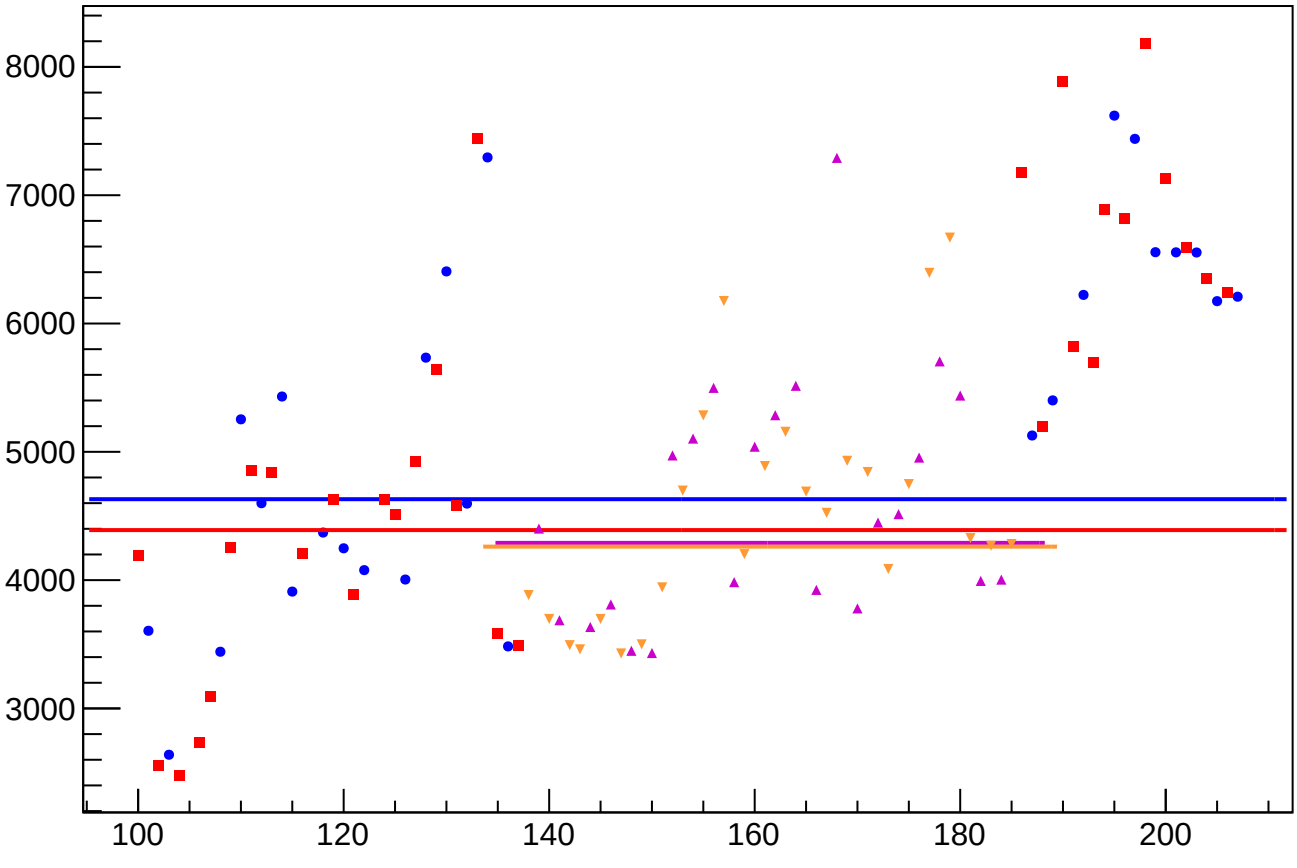
Right: 1933.573+/-0.248 χ^2/NDF: 1123247.6/56

In: 1888.952+/-0.233 χ^2/NDF:761322.7/48

Out: 1893.582+/-0.226 χ^2/NDF:455047.7/55

All: 1891.338+/-0.162 χ^2/NDF: 1216574.4/10


asym_atr_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 73.855+/-1258.903 χ²/NDF: 27.5/25
Left Out: -698.285+/-990.036 χ²/NDF:25.3/24
Right Out: 2036.968+/-1158.190 χ²/NDF: 29.8/30
Left In: 192.488+/-1022.471 χ²/NDF:15.2/22
Left: -267.251+/-711.252 χ²/NDF: 40.9/47
Right: 1137.066+/-852.348 χ²/NDF: 58.6/56
In: 145.335+/-793.674 χ²/NDF:42.6/48
Out: 456.542+/-752.557 χ²/NDF:58.4/55
All: 309.208+/-546.096 χ²/NDF: 101.1/104



Right In: 4630.826+/-0.890 χ^2/NDF: 2686130.0/25

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

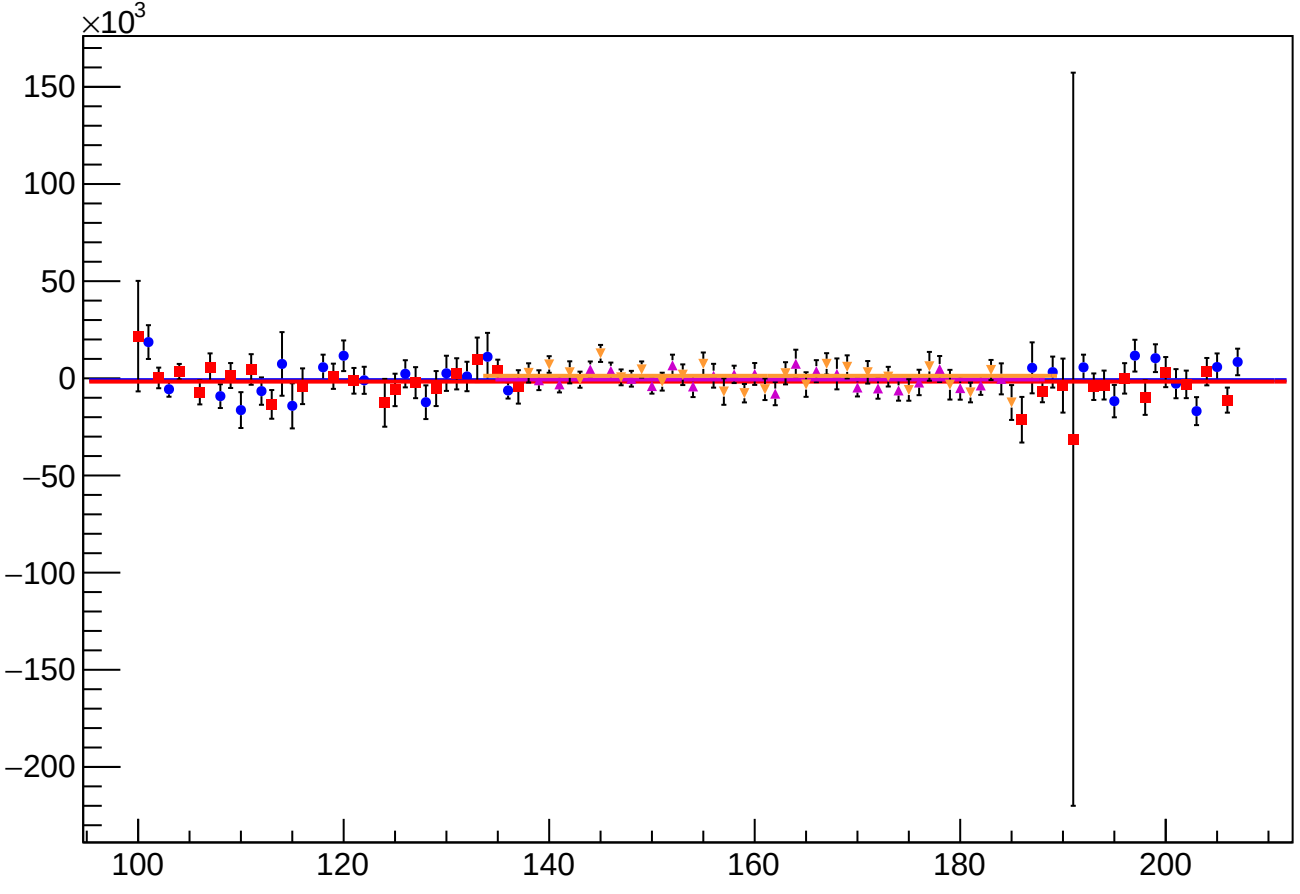
Right: 4500.388+/-0.603 χ^2/NDF: 6654679.1/56

In: 4425.710+/-0.561 χ^2/NDF:3988217.7/48

Out: 4315.533+/-0.532 χ^2/NDF:5133772.7/55

All: 4367.694+/-0.386 χ^2/NDF: 9142285.2/10

asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -937.524+/-1398.758 χ^2/NDF: 37.5/25

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

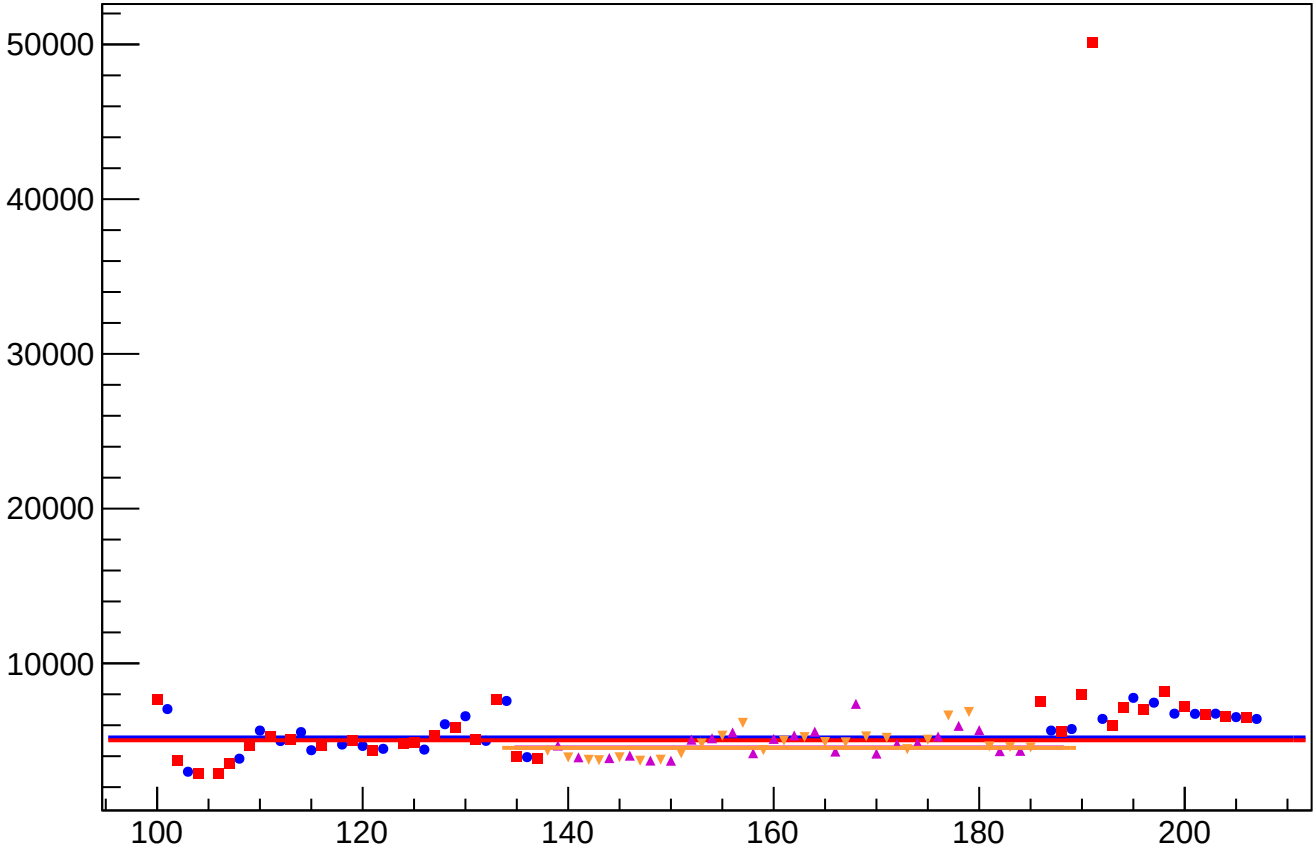
Right: -1332.750+/-960.933 χ^2/NDF: 56.9/56

In: -711.637+/-855.895 χ^2/NDF:51.9/48

Out: 144.981+/-822.092 χ^2/NDF:50.9/55

All: -266.079+/-592.897 χ^2/NDF: 103.3/104

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5209.397+/-0.989 χ^2/NDF: 2077753.4/25

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

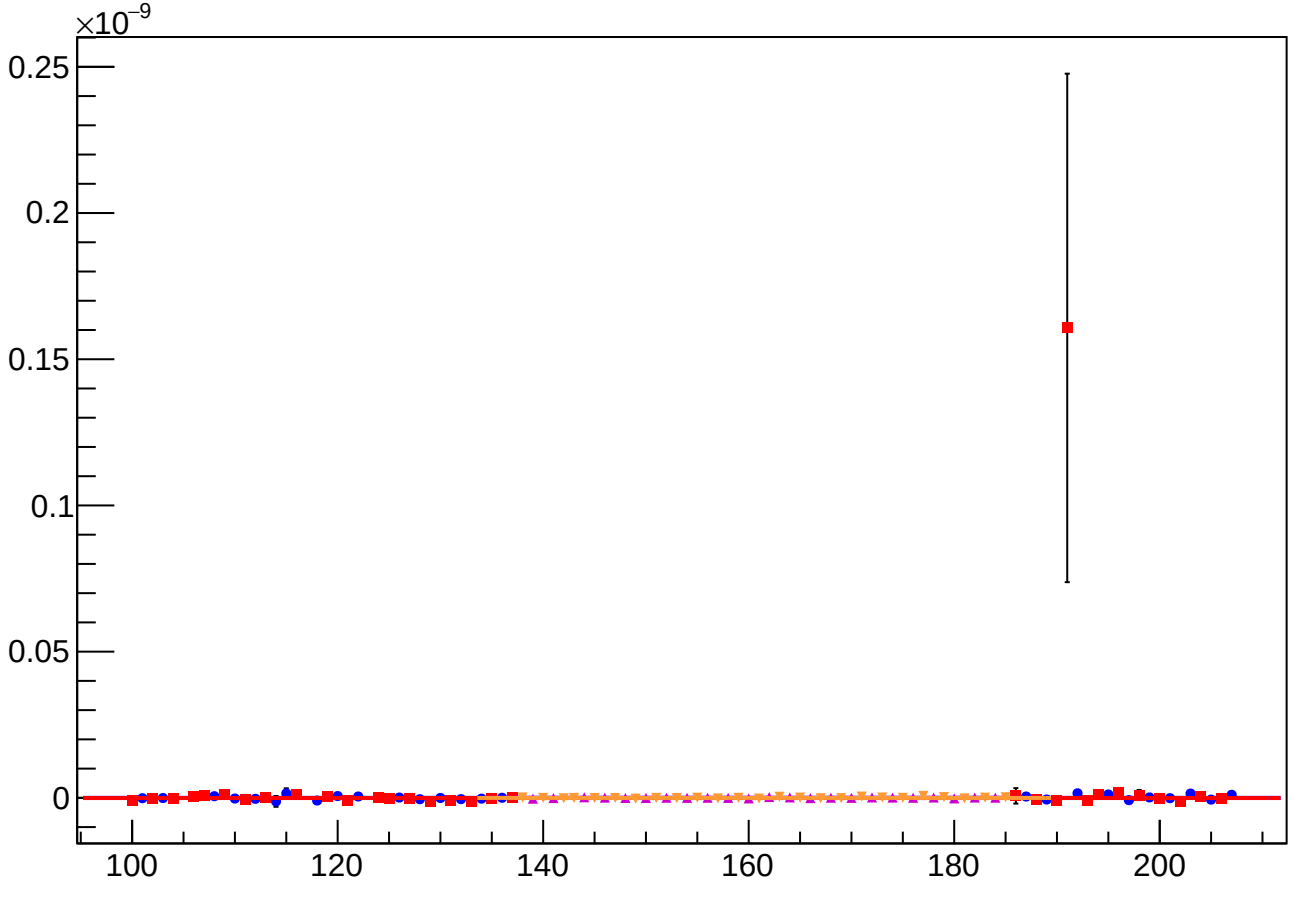
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5113.765+/-0.678 χ^2/NDF: 4834383.0/56

In: 4803.462+/-0.605 χ^2/NDF:3327215.6/48

Out: 4729.078+/-0.580 χ^2/NDF:3902416.5/55

All: 4764.694+/-0.419 χ^2/NDF: 7237505.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/25

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

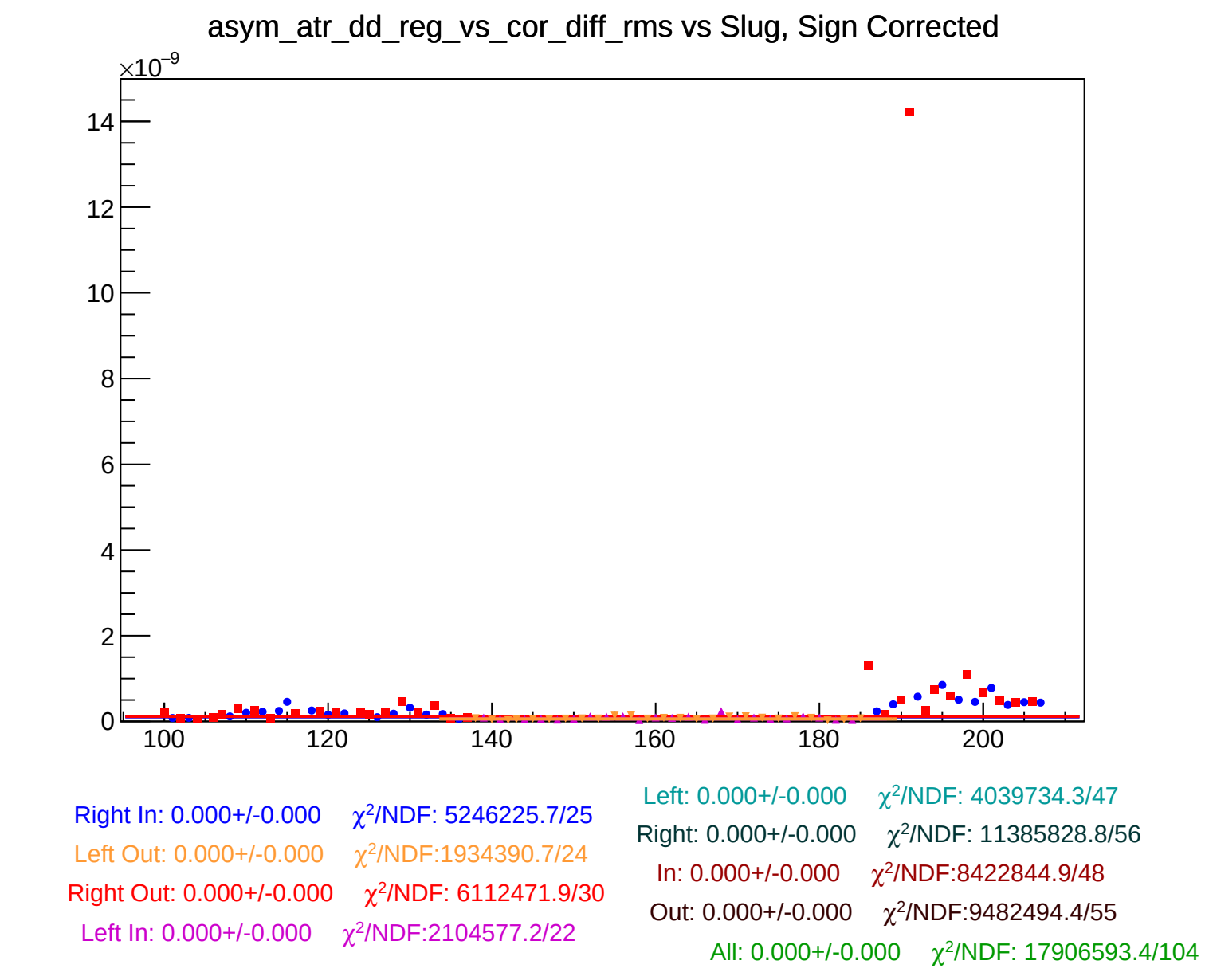
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

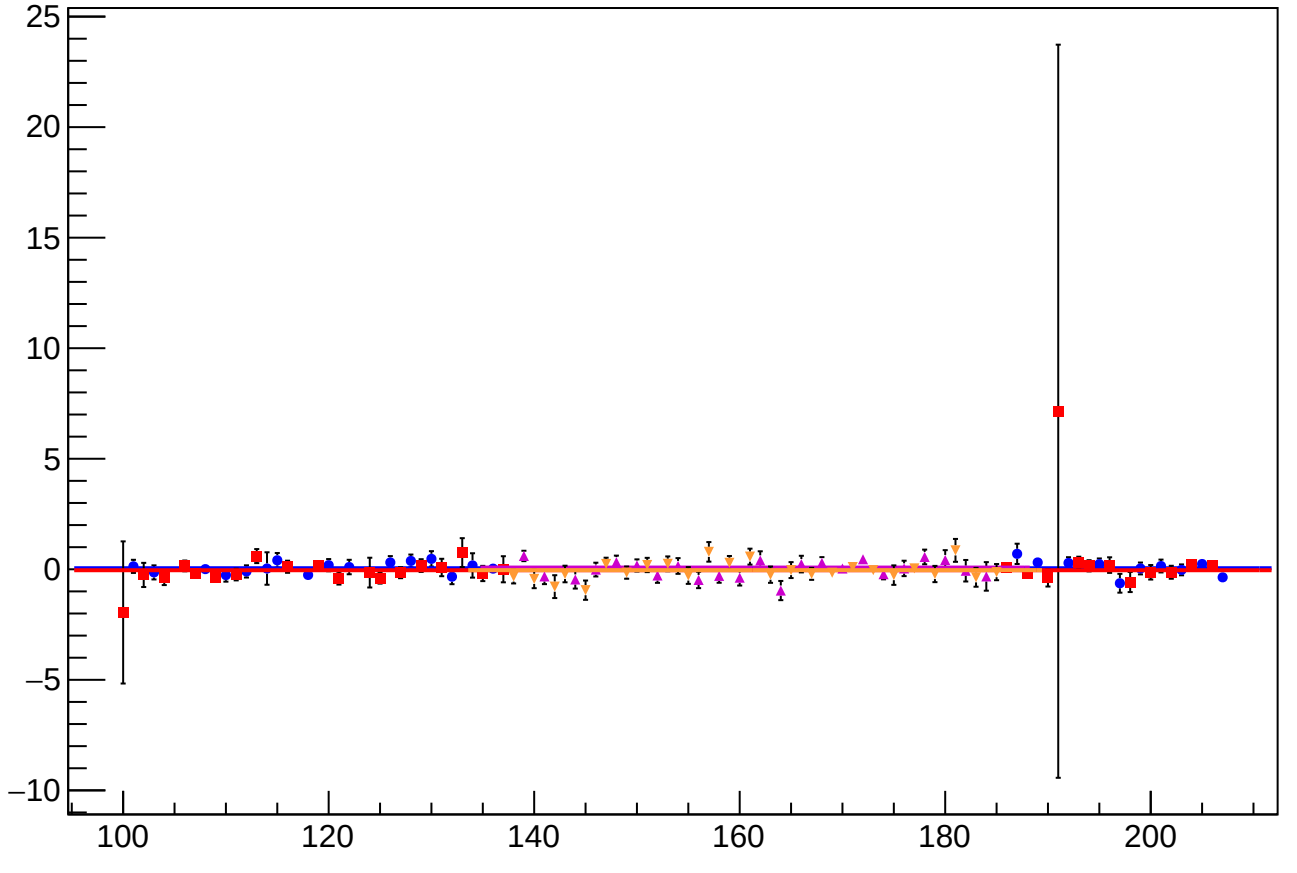
Right: -0.000+/-0.000 χ^2/NDF: 60.7/56

In: 0.000+/-0.000 χ^2/NDF:44.7/48

Out: -0.000+/-0.000 χ^2/NDF:74.3/55

All: -0.000+/-0.000 χ^2/NDF: 121.0/104


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: 5246225.7/25
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: 11385828.8/56
In: 0.000+/-0.000 χ²/NDF:8422844.9/48
Out: 0.000+/-0.000 χ²/NDF:9482494.4/55
All: 0.000+/-0.000 χ²/NDF: 17906593.4/104



Right In: 0.048+/-0.052 χ^2/NDF: 25.5/25

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

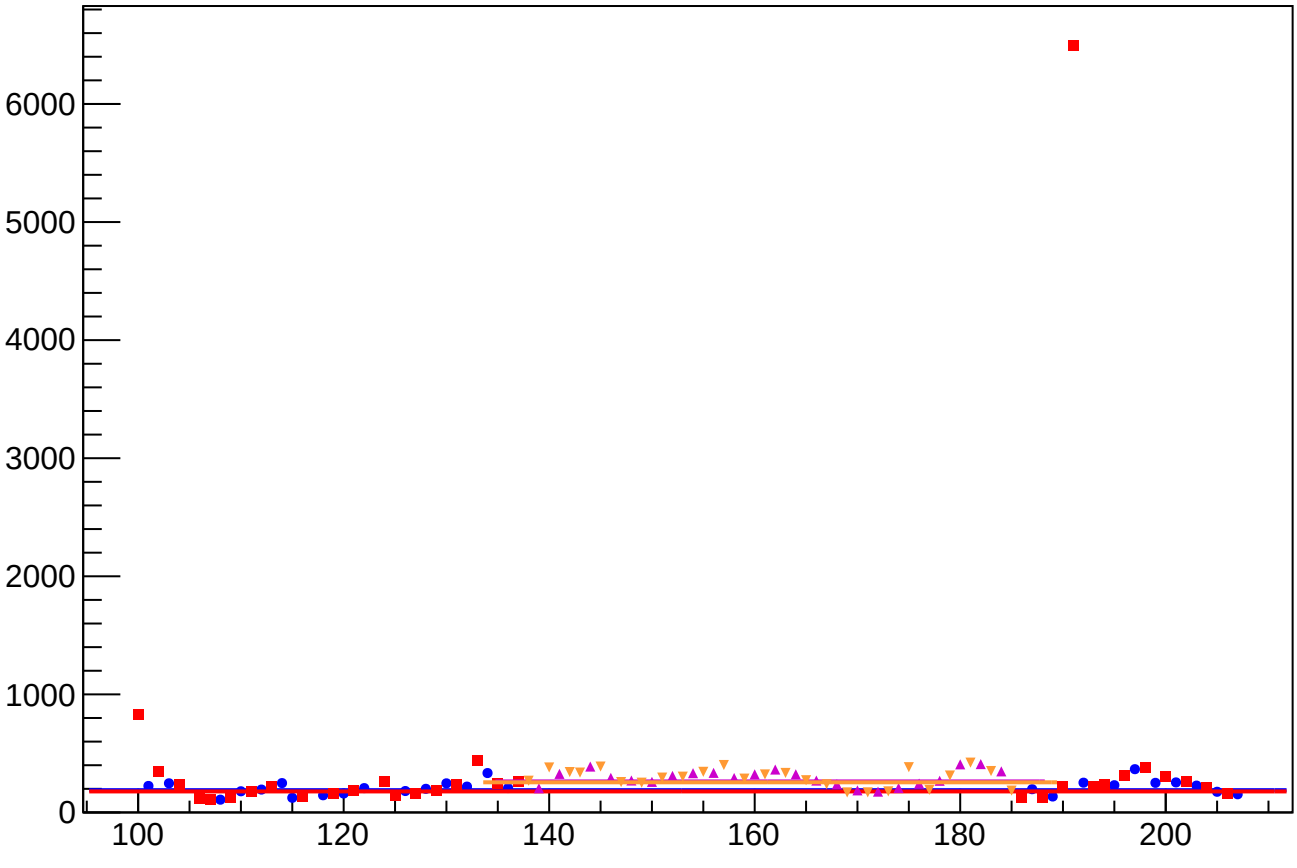
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.000+/-0.035 χ^2/NDF: 55.1/56

In: 0.060+/-0.041 χ^2/NDF:56.8/48

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.006+/-0.028 χ^2/NDF: 112.4/104



Right In: 188.877+/-0.037 χ^2/NDF: 1976583.5/25

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

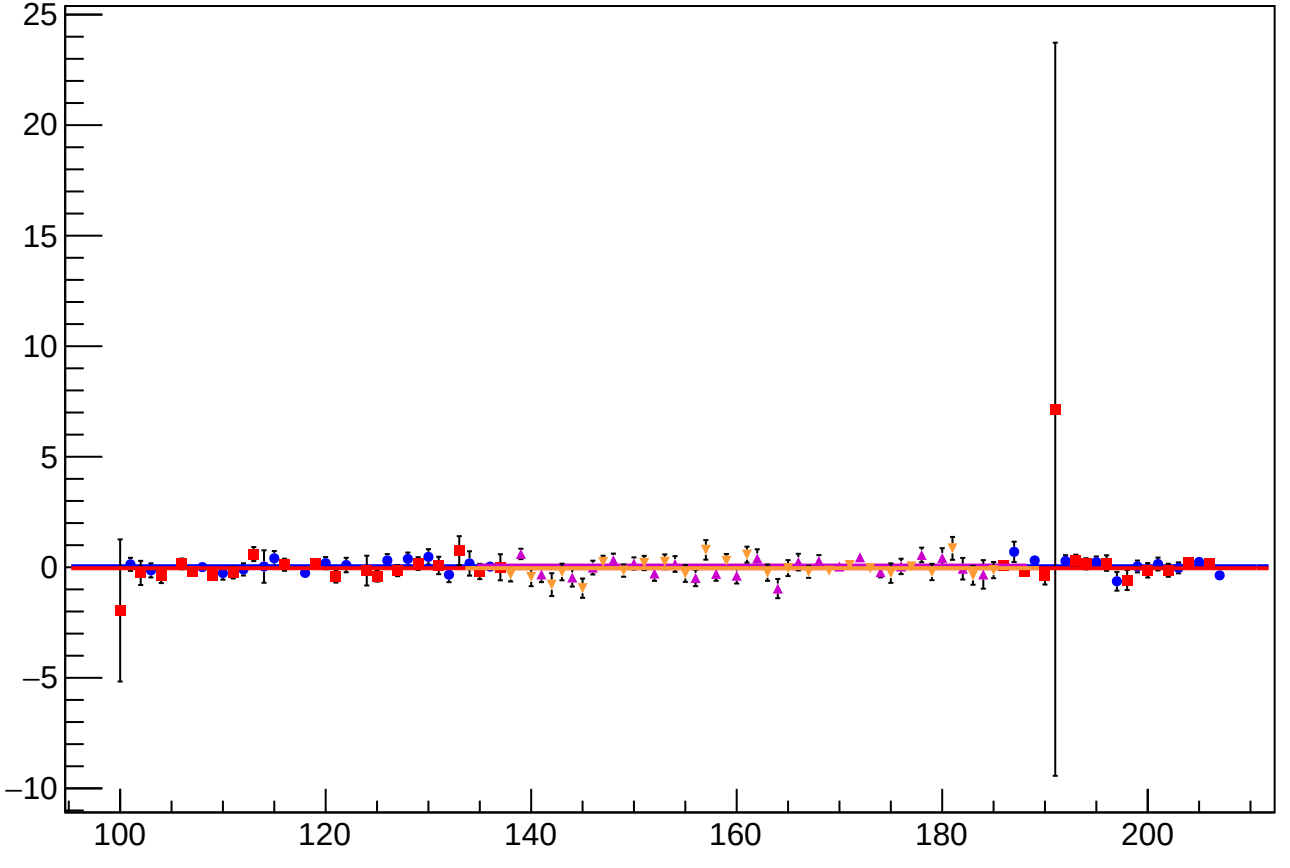
Right: 183.105+/-0.025 χ^2/NDF: 5575020.3/56

In: 217.697+/-0.029 χ^2/NDF:5585135.5/48

Out: 207.447+/-0.027 χ^2/NDF:8418860.5/55

All: 212.268+/-0.020 χ^2/NDF: 14071783.9/10

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.052 χ^2/NDF: 25.5/25

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

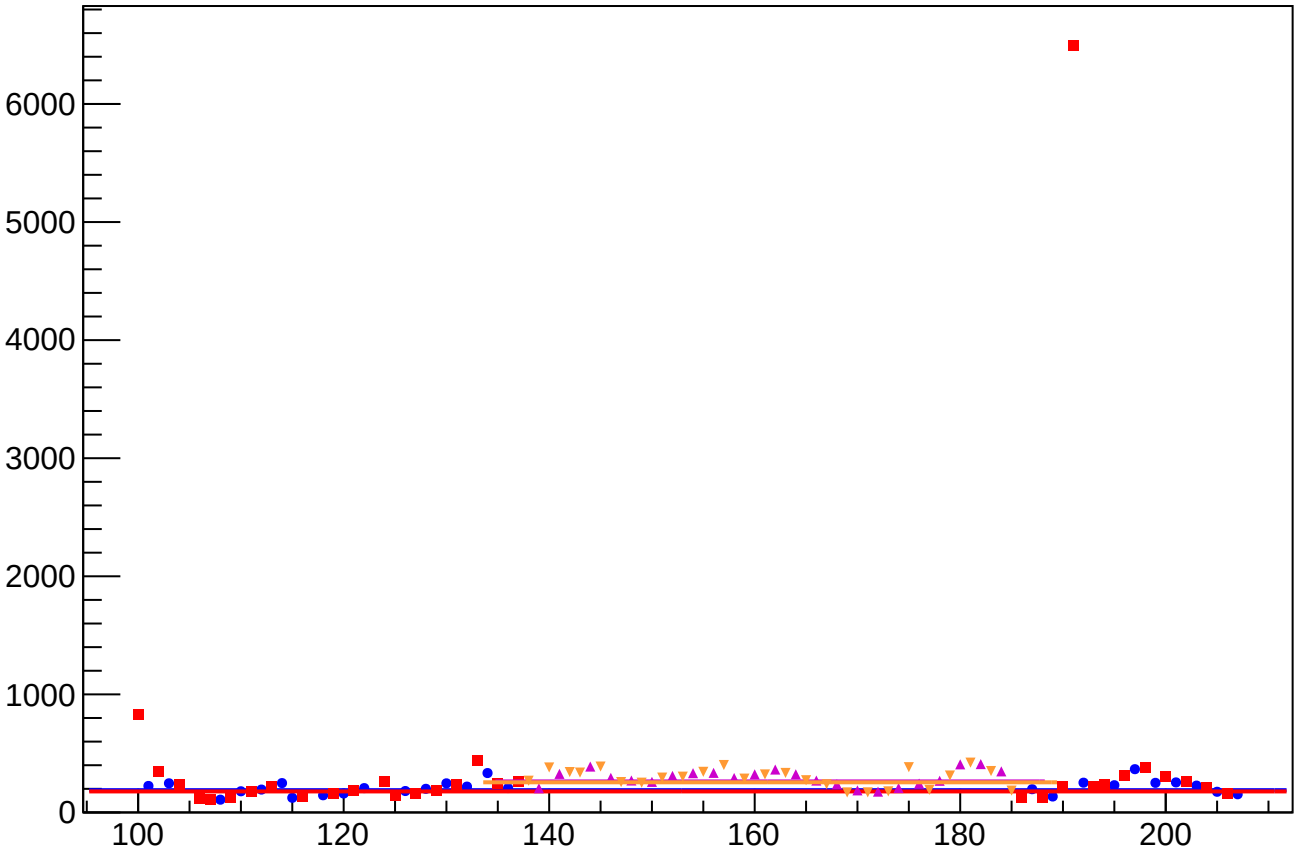
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.000+/-0.035 χ^2/NDF: 55.1/56

In: 0.060+/-0.041 χ^2/NDF:56.8/48

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.006+/-0.028 χ^2/NDF: 112.4/104



Right In: 188.877+/-0.037 χ^2/NDF: 1976583.5/25

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

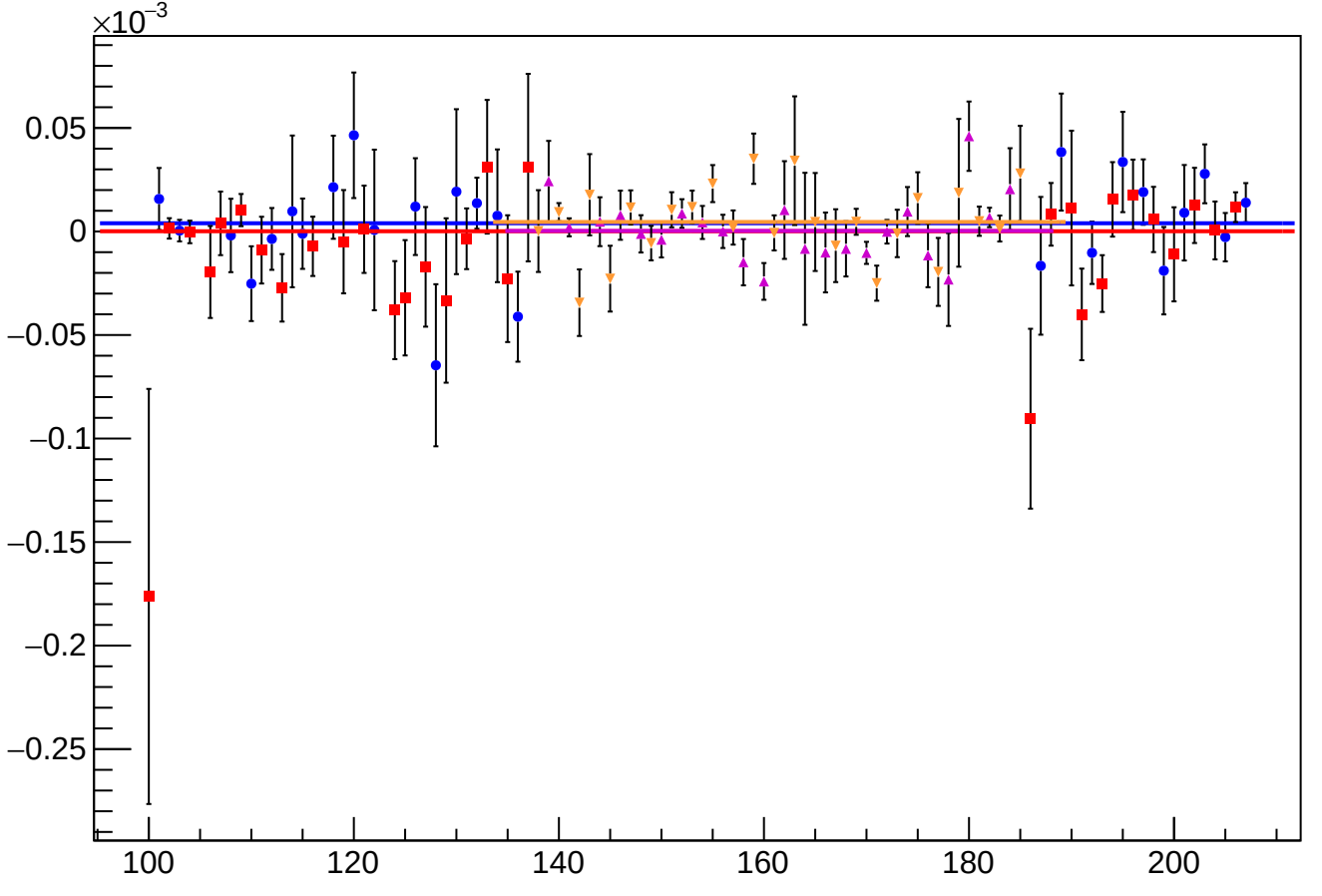
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 183.105+/-0.025 χ^2/NDF: 5575020.3/56

In: 217.697+/-0.029 χ^2/NDF:5585135.5/48

Out: 207.447+/-0.027 χ^2/NDF:8418860.5/55

All: 212.268+/-0.020 χ^2/NDF: 14071783.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/25

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

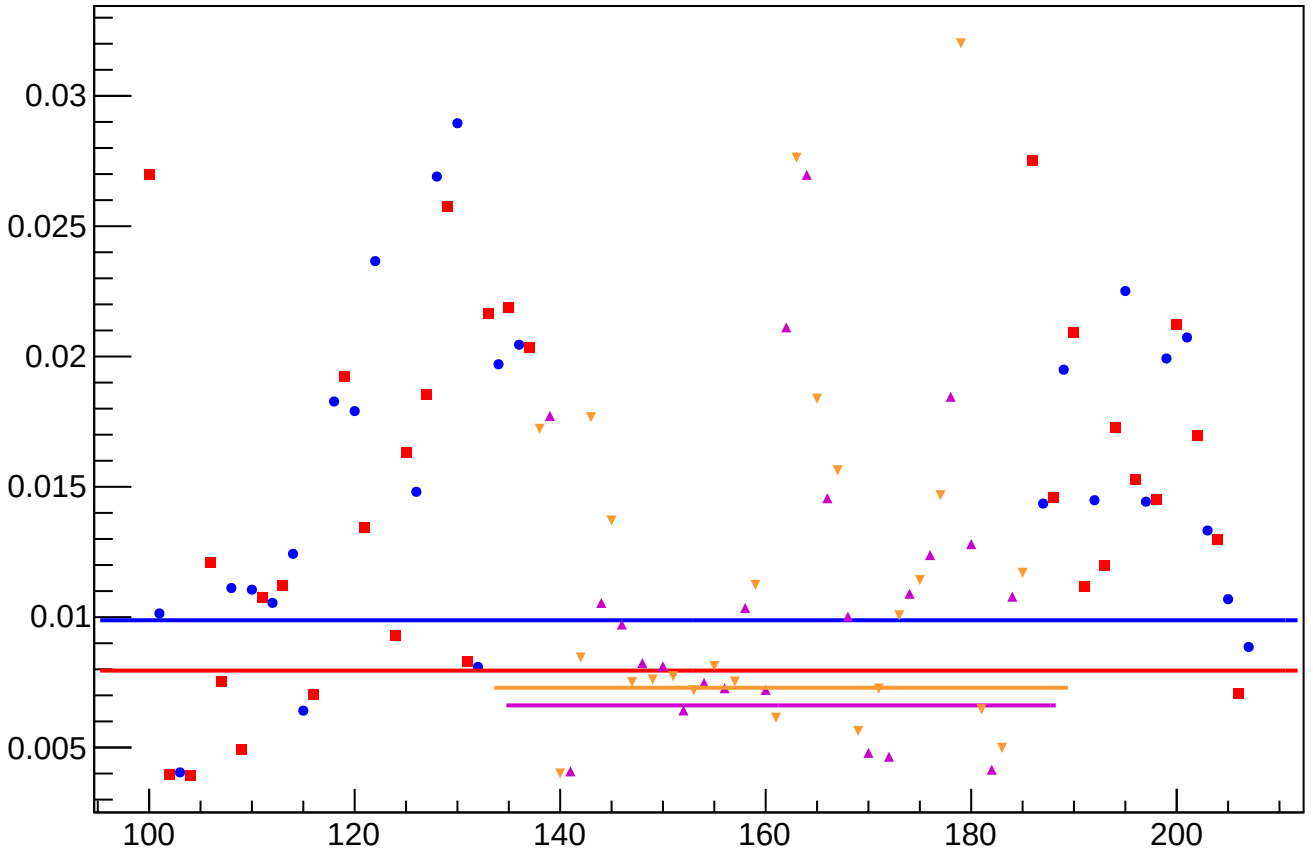
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 59.4/56

In: 0.000+/-0.000 χ^2/NDF:57.9/48

Out: 0.000+/-0.000 χ^2/NDF:78.4/55

All: 0.000+/-0.000 χ^2/NDF: 136.9/104



Right In: 0.010+/-0.000 χ^2/NDF: 7093758.4/25

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 9291243.9/30

Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

Left: 0.007+/-0.000 χ^2/NDF: 13317745.0/47

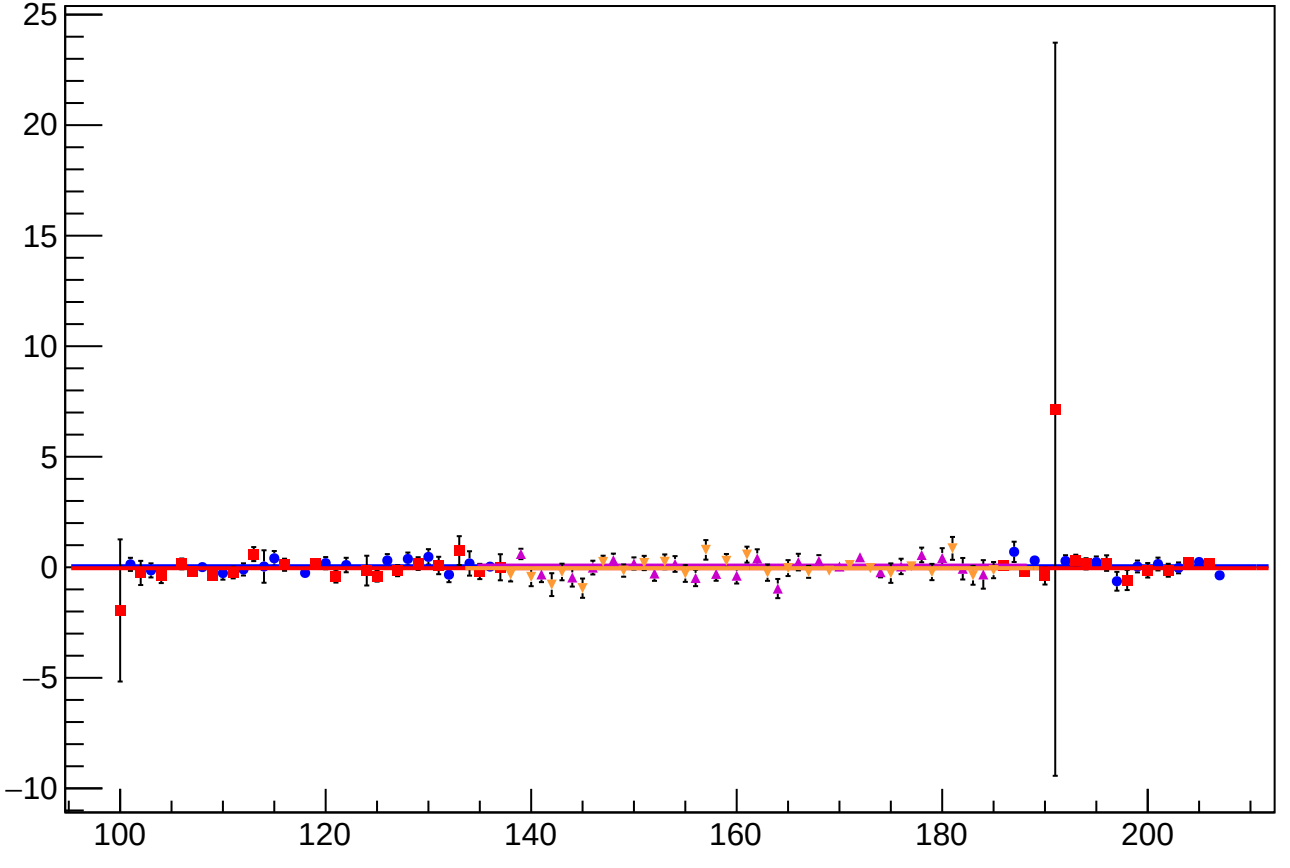
Right: 0.009+/-0.000 χ^2/NDF: 16899882.9/56

In: 0.007+/-0.000 χ^2/NDF:15263960.4/48

Out: 0.008+/-0.000 χ^2/NDF:16158528.5/55

All: 0.008+/-0.000 χ^2/NDF: 31424207.0/104

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.052 χ^2/NDF: 25.5/25

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

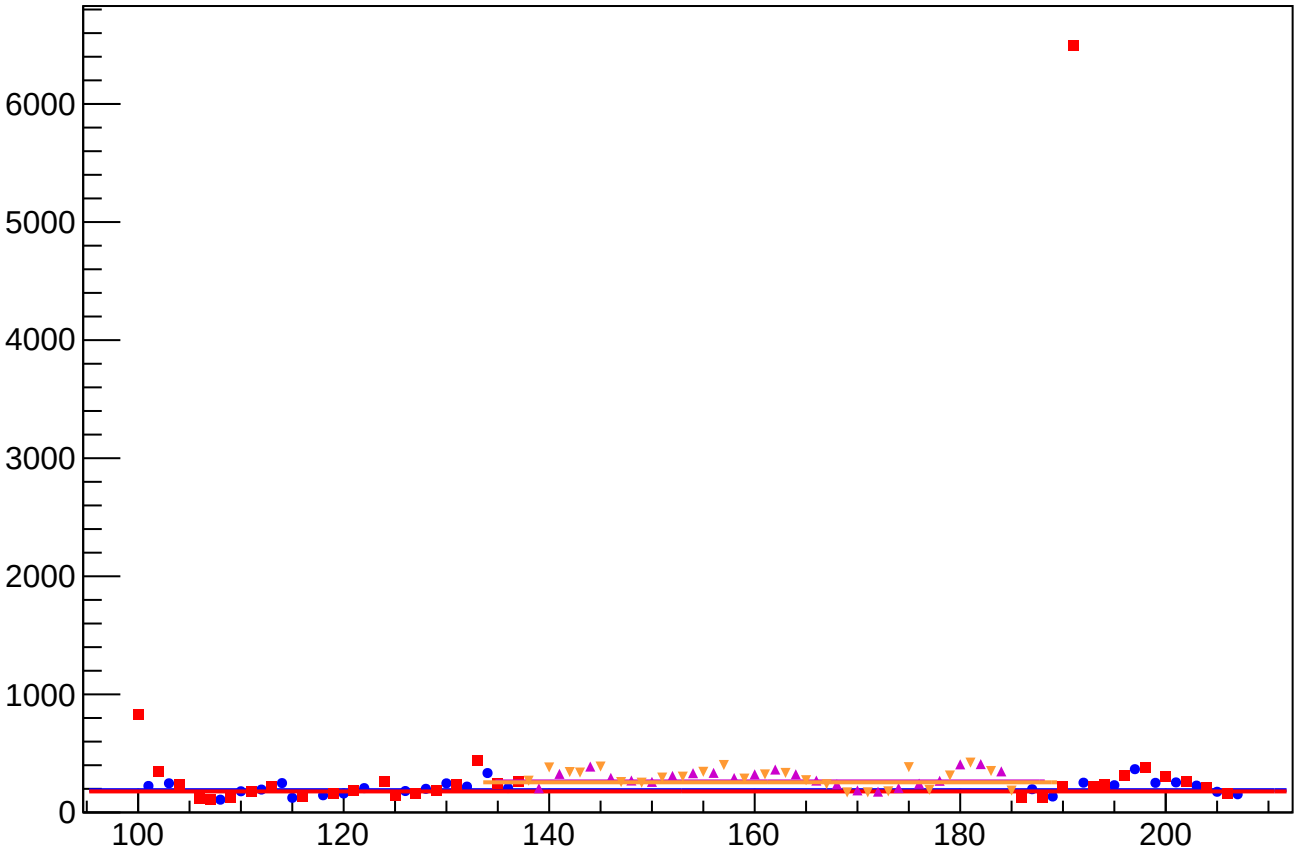
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: -0.000+/-0.035 χ^2/NDF: 55.1/56

In: 0.060+/-0.041 χ^2/NDF:56.8/48

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.006+/-0.028 χ^2/NDF: 112.4/104



Right In: 188.877+/-0.037 χ^2/NDF: 1976587.8/25

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

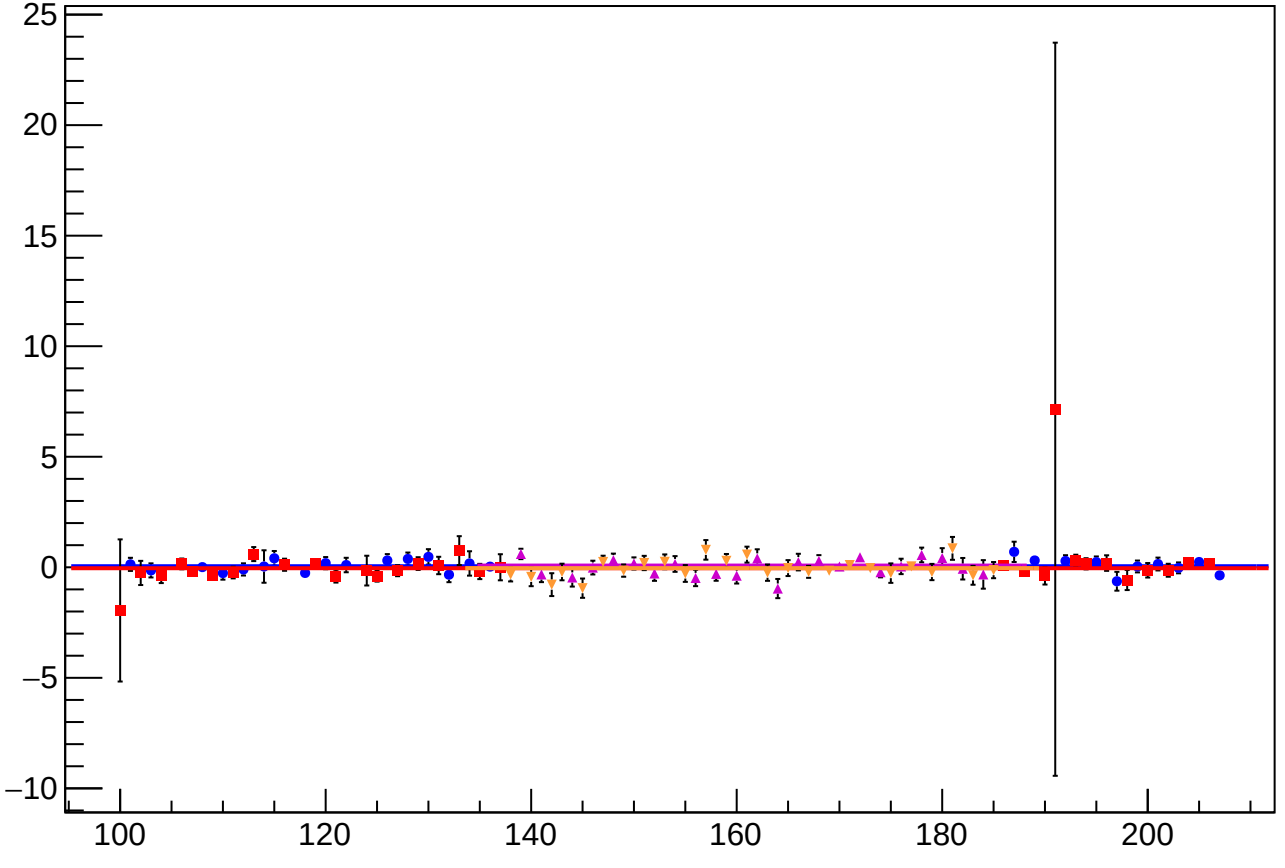
Right: 183.105+/-0.025 χ^2/NDF: 5574972.4/56

In: 217.697+/-0.029 χ^2/NDF:5585269.0/48

Out: 207.449+/-0.027 χ^2/NDF:8418917.8/55

All: 212.269+/-0.020 χ^2/NDF: 14071960.4/10

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.048+/-0.052 χ^2/NDF: 25.5/25

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

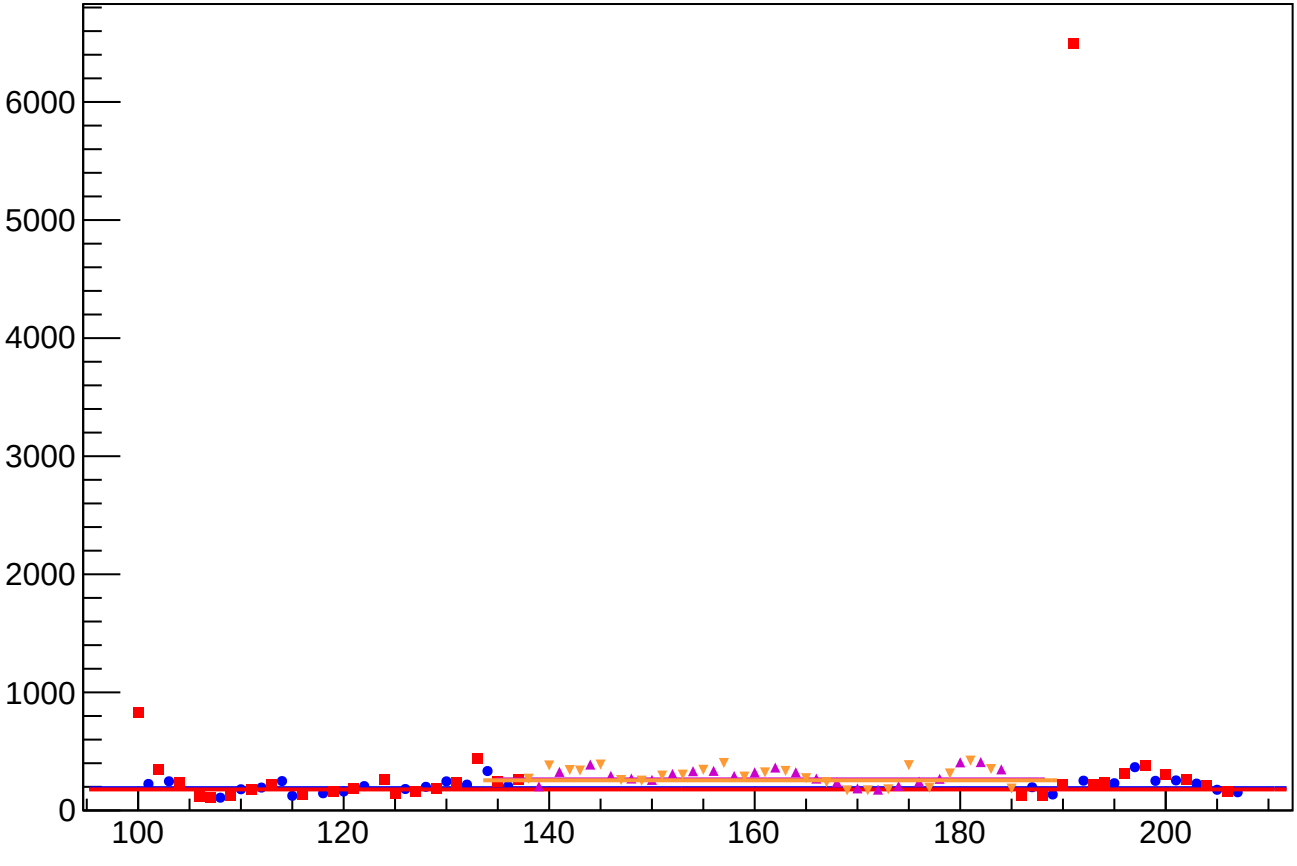
Right: -0.000+/-0.035 χ^2/NDF: 55.1/56

In: 0.060+/-0.041 χ^2/NDF:56.8/48

Out: -0.041+/-0.038 χ^2/NDF:52.4/55

All: 0.006+/-0.028 χ^2/NDF: 112.4/104

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.877+/-0.037 χ^2/NDF: 1976587.8/25

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

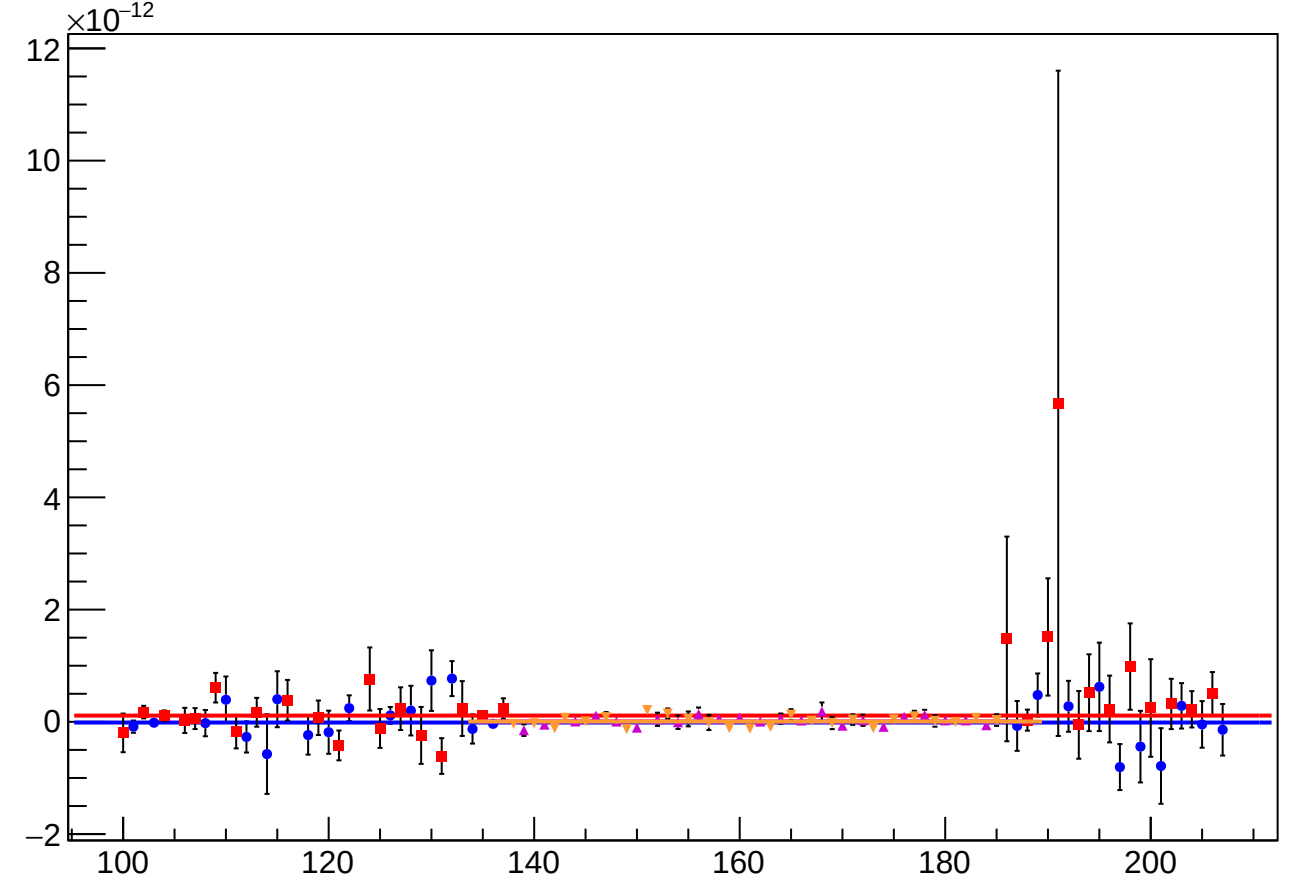
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 183.105+/-0.025 χ^2/NDF: 5574972.4/56

In: 217.697+/-0.029 χ^2/NDF:5585269.0/48

Out: 207.449+/-0.027 χ^2/NDF:8418917.8/55

All: 212.269+/-0.020 χ^2/NDF: 14071960.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/25

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

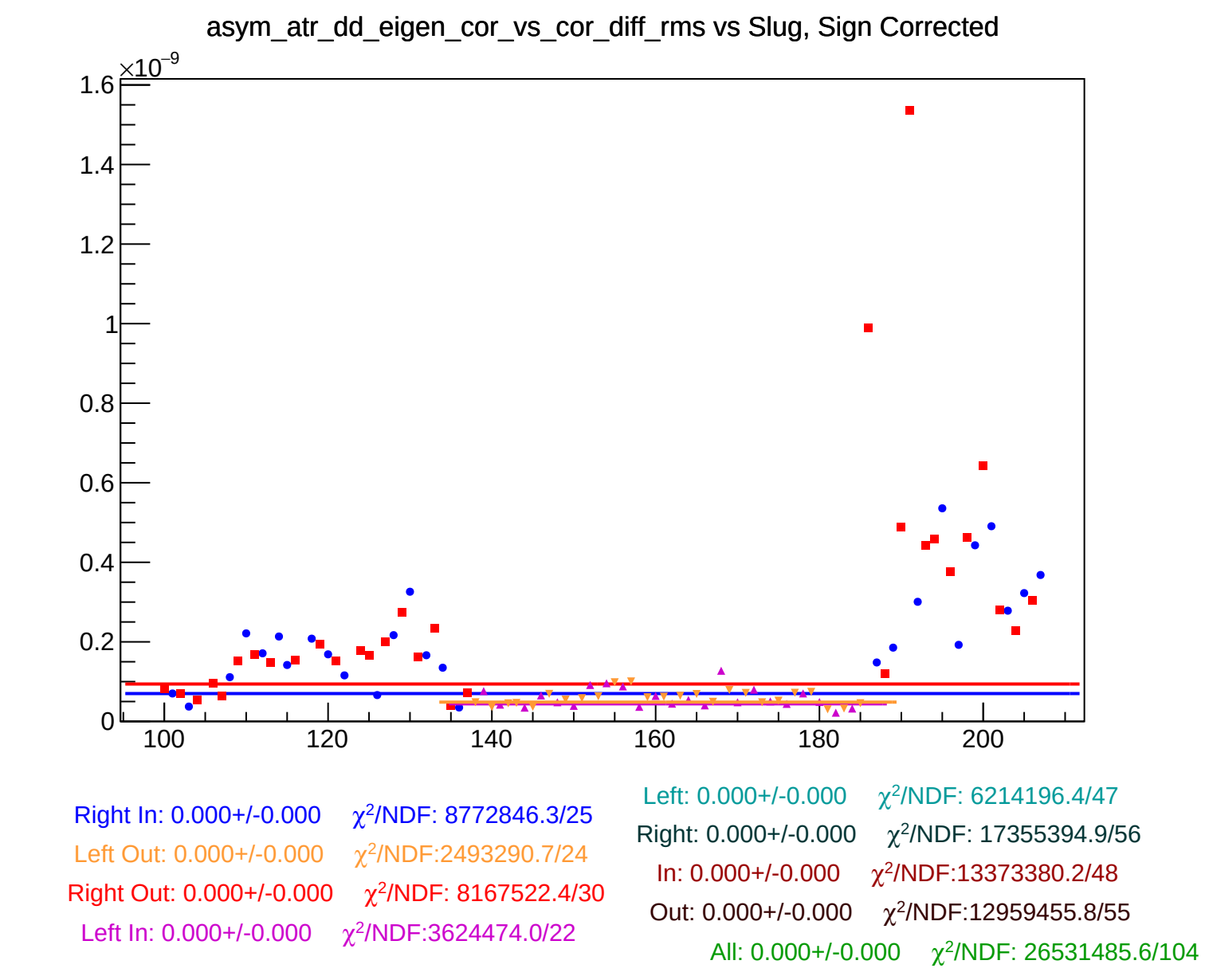
Left: 0.000+/-0.000 χ^2/NDF: 51.8/47

Right: 0.000+/-0.000 χ^2/NDF: 54.5/56

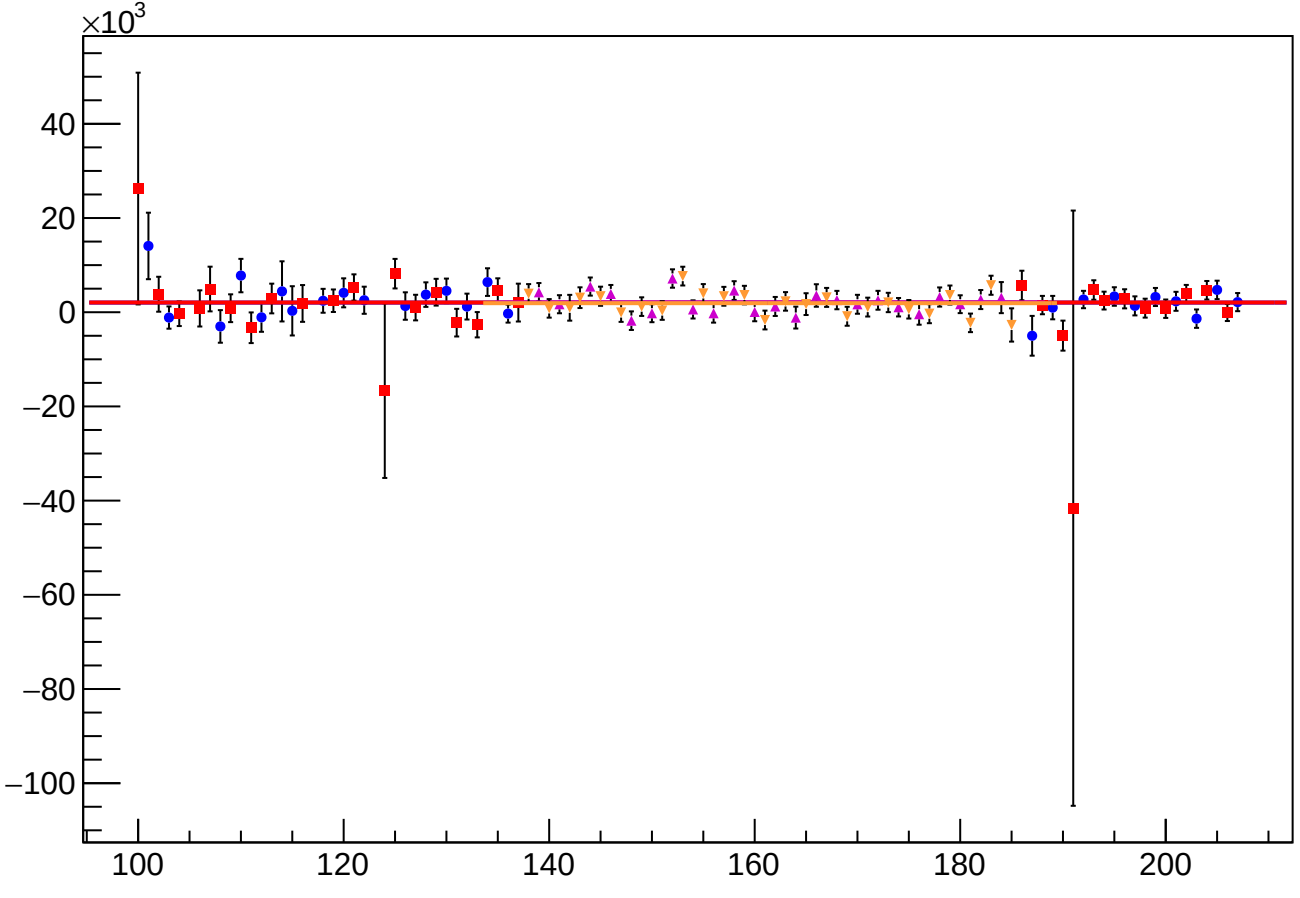
In: 0.000+/-0.000 χ^2/NDF:45.5/48

Out: 0.000+/-0.000 χ^2/NDF:61.8/55

All: 0.000+/-0.000 χ^2/NDF: 107.6/104


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 8772846.3/25
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8167522.4/30
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
Left: 0.000+/-0.000 χ²/NDF: 6214196.4/47
Right: 0.000+/-0.000 χ²/NDF: 17355394.9/56
In: 0.000+/-0.000 χ²/NDF:13373380.2/48
Out: 0.000+/-0.000 χ²/NDF:12959455.8/55
All: 0.000+/-0.000 χ²/NDF: 26531485.6/104

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2045.898+/-489.645 χ^2/NDF: 25.4/25

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

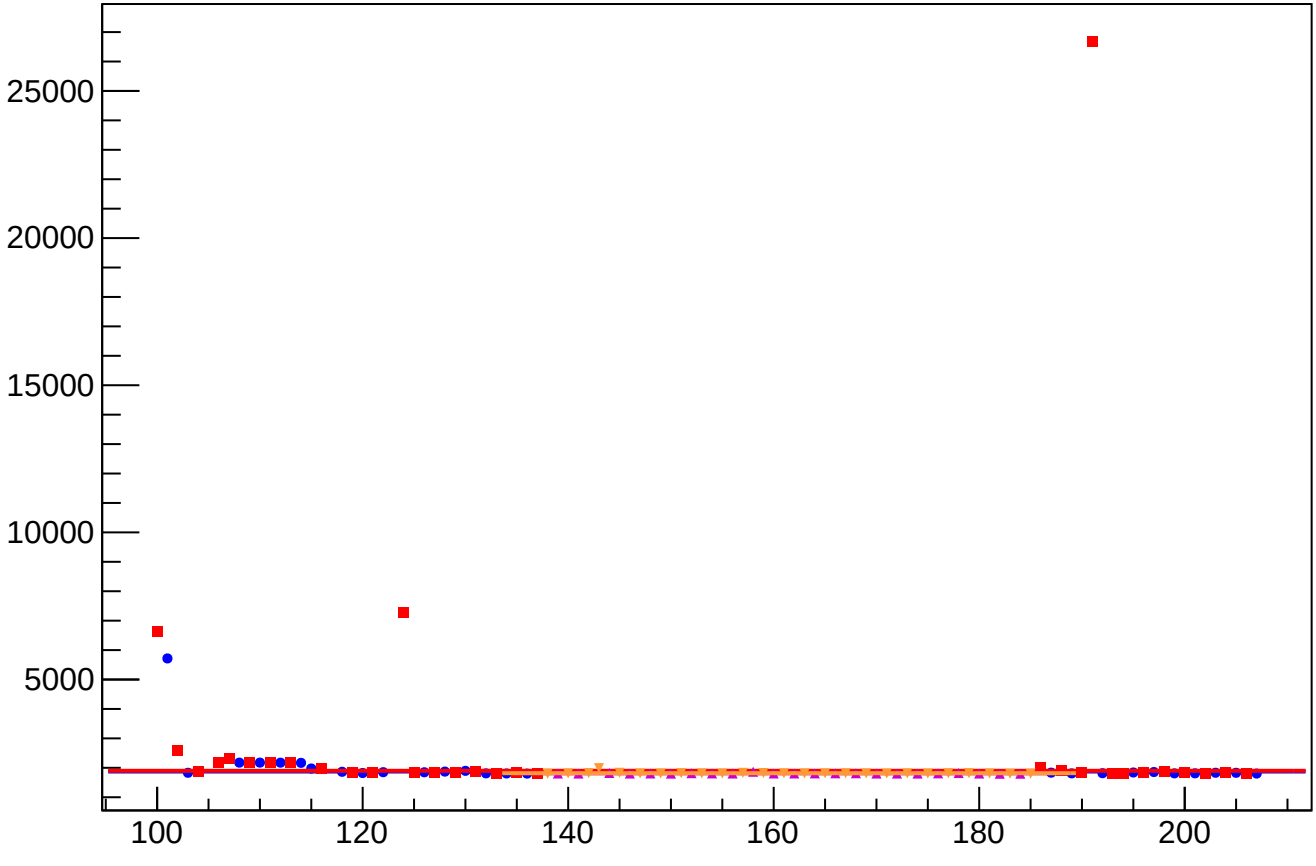
Right: 2055.216+/-341.424 χ^2/NDF: 57.4/56

In: 2062.101+/-320.184 χ^2/NDF:52.0/48

Out: 1982.155+/-312.002 χ^2/NDF:64.6/55

All: 2021.093+/-223.455 χ^2/NDF: 116.6/104

reg_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1874.531+/-0.346 χ^2/NDF: 665293.8/25

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

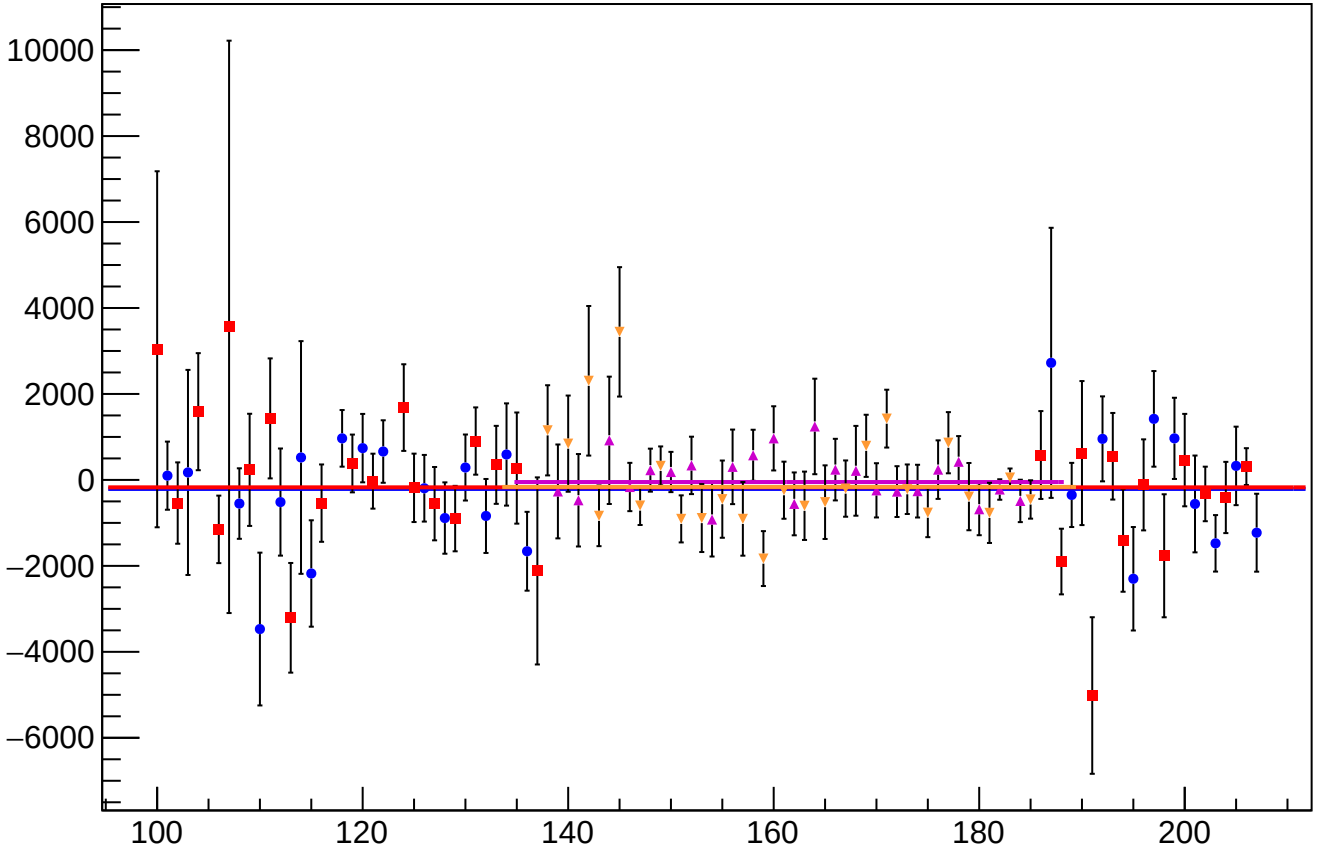
Right: 1886.948+/-0.241 χ^2/NDF: 1402202.9/56

In: 1839.050+/-0.226 χ^2/NDF:685653.4/48

Out: 1852.352+/-0.221 χ^2/NDF:780524.1/55

All: 1845.873+/-0.158 χ^2/NDF: 1467948.3/10

asym_at1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -209.628+/-182.905 χ^2/NDF: 31.4/25

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

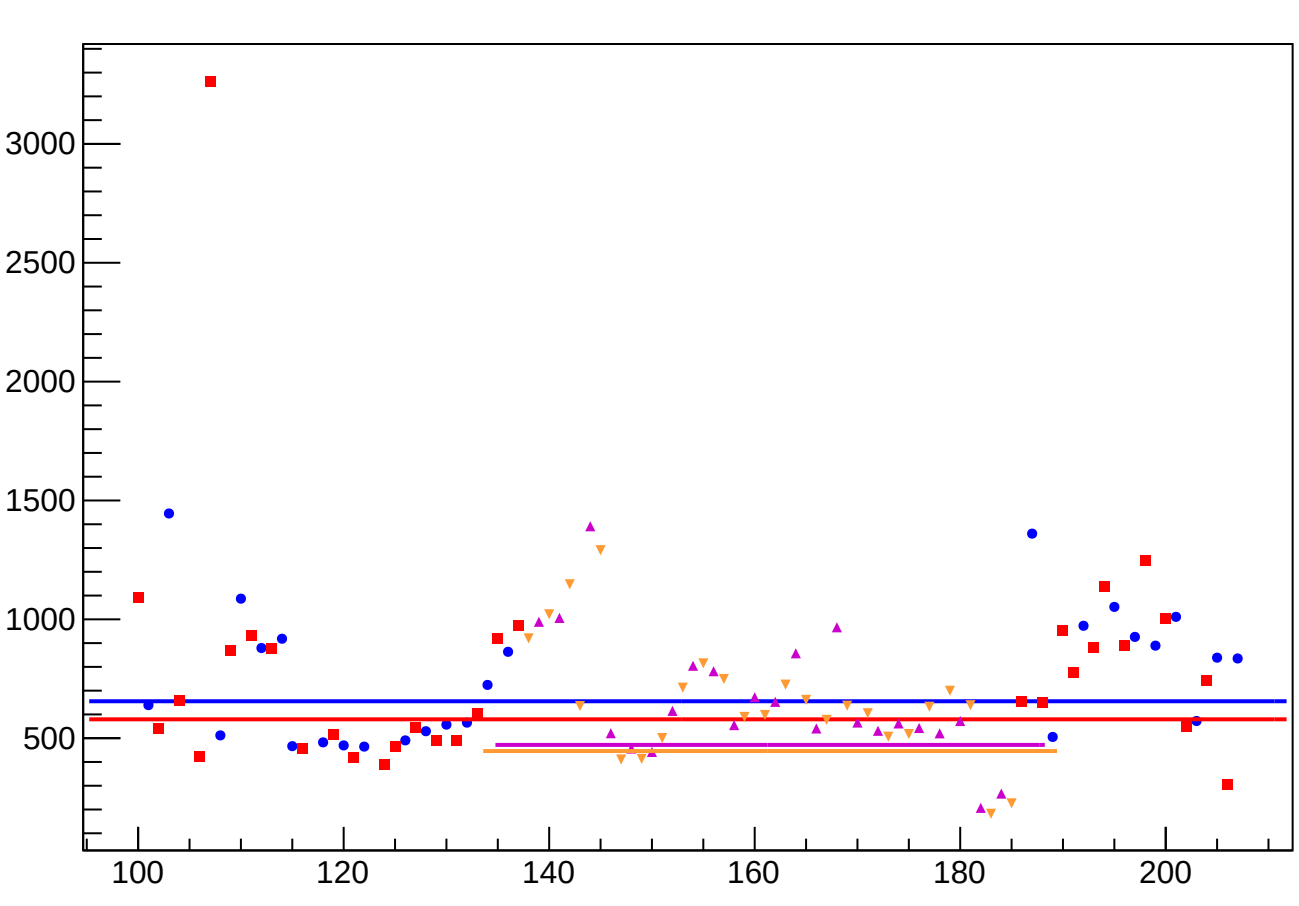
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -189.317+/-122.316 χ^2/NDF: 68.9/56

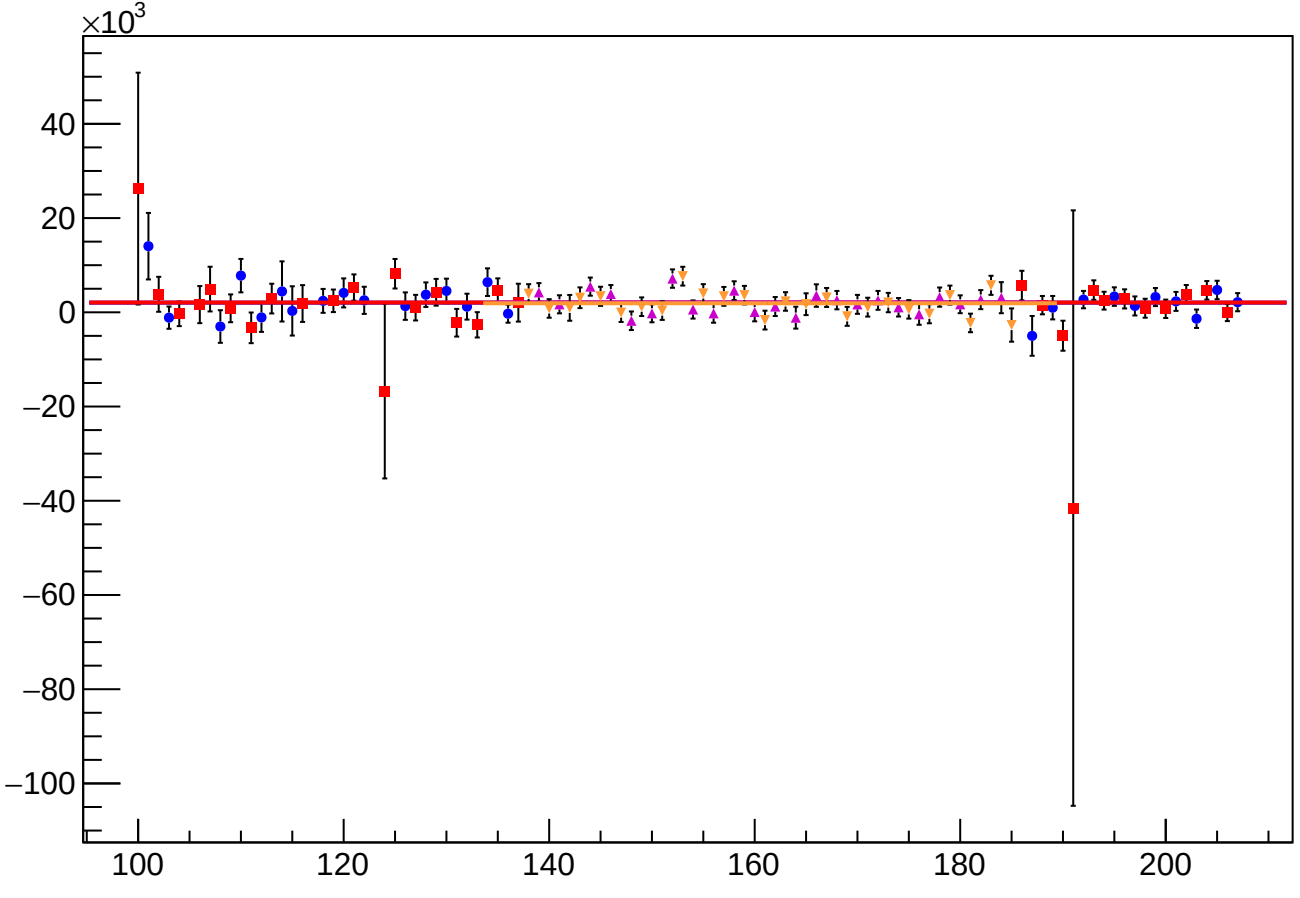
In: -99.047+/-101.891 χ^2/NDF:43.3/48

Out: -166.253+/-94.417 χ^2/NDF:74.3/55

All: -135.205+/-69.255 χ^2/NDF: 117.8/104


asym_at1_avg_reg_correction_rms vs Slug, Sign Corrected
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 655.397+/-0.129 χ²/NDF: 2450926.3/25
Left Out: 445.893+/-0.082 χ²/NDF:7982455.6/24
Right Out: 579.396+/-0.116 χ²/NDF: 3910394.3/30
Left In: 471.746+/-0.087 χ²/NDF:6413905.5/22
Left: 458.017+/-0.059 χ²/NDF: 14443518.4/47
Right: 613.385+/-0.086 χ²/NDF: 6552210.8/56
In: 528.738+/-0.072 χ²/NDF:10255467.6/48
Out: 489.866+/-0.067 χ²/NDF:12776098.0/55
All: 507.824+/-0.049 χ²/NDF: 23188178.4/10

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2045.815+/-489.645 χ^2/NDF: 25.4/25

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

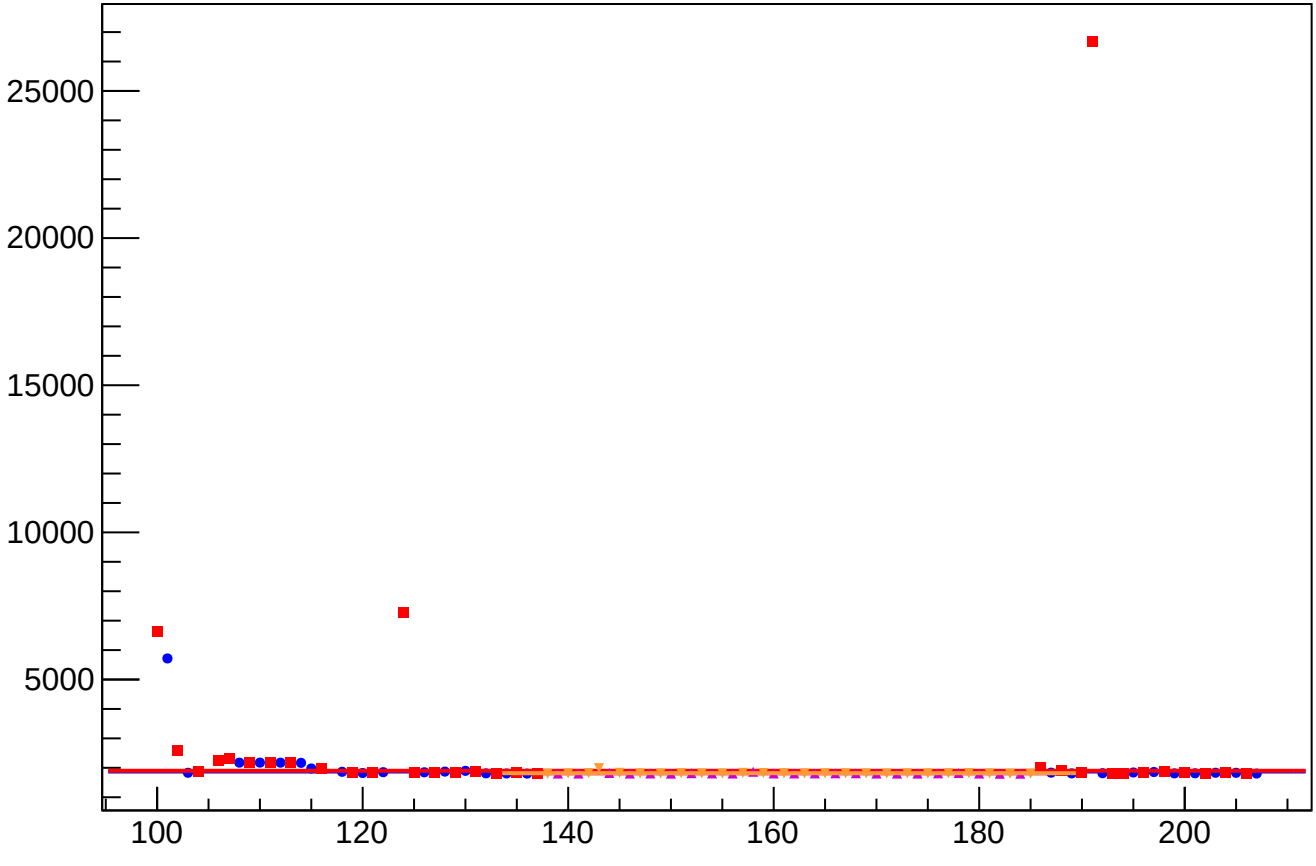
Right: 2061.881+/-341.488 χ^2/NDF: 57.3/56

In: 2062.123+/-320.184 χ^2/NDF:52.0/48

Out: 1987.711+/-312.051 χ^2/NDF:64.5/55

All: 2023.960+/-223.473 χ^2/NDF: 116.5/104

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1874.531+/-0.346 χ^2/NDF: 665293.7/25

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

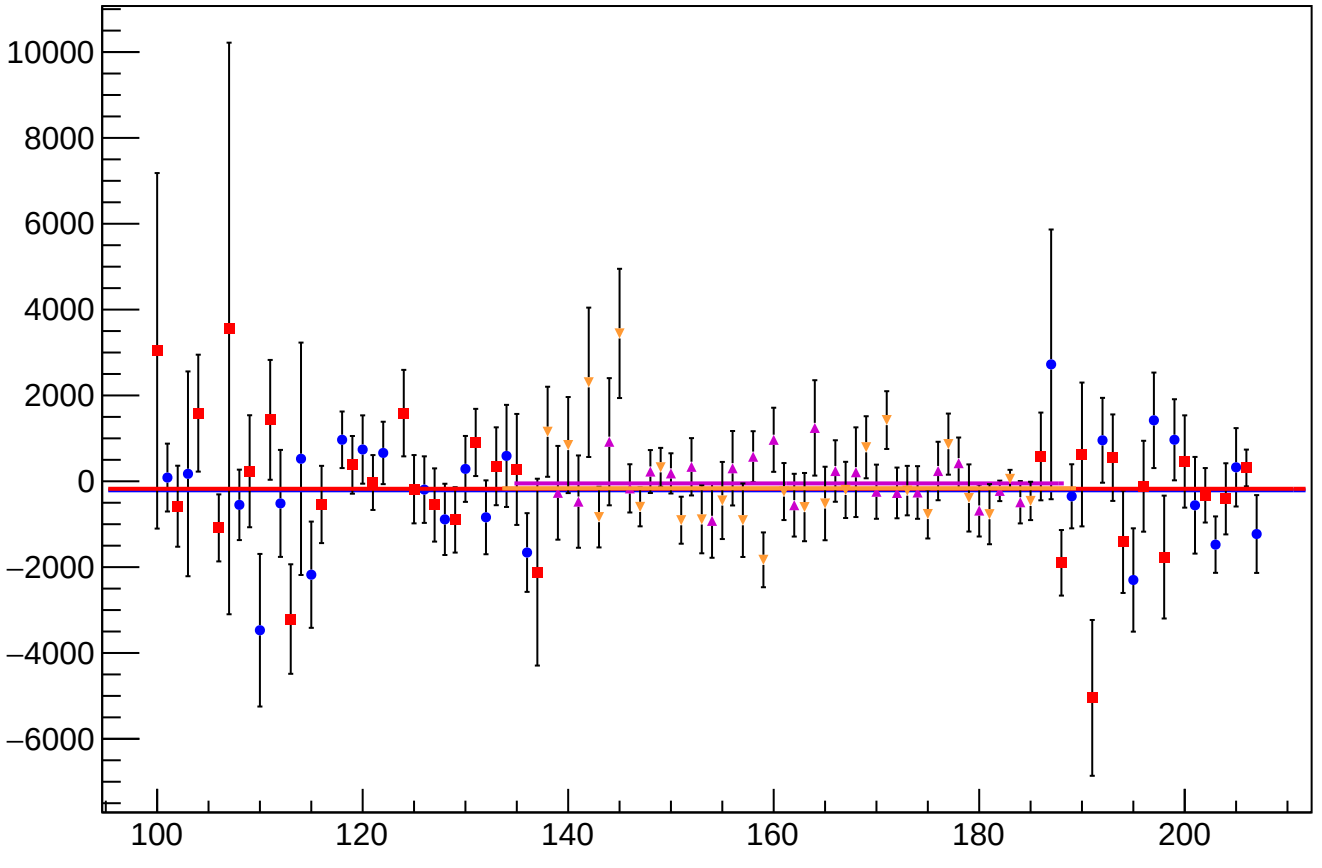
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1887.214+/-0.241 χ^2/NDF: 1405935.1/56

In: 1839.050+/-0.226 χ^2/NDF:685653.3/48

Out: 1852.564+/-0.221 χ^2/NDF:784565.3/55

All: 1845.981+/-0.158 χ^2/NDF: 1472045.9/10



Right In: -210.101+/-182.881 χ^2/NDF: 31.4/25

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

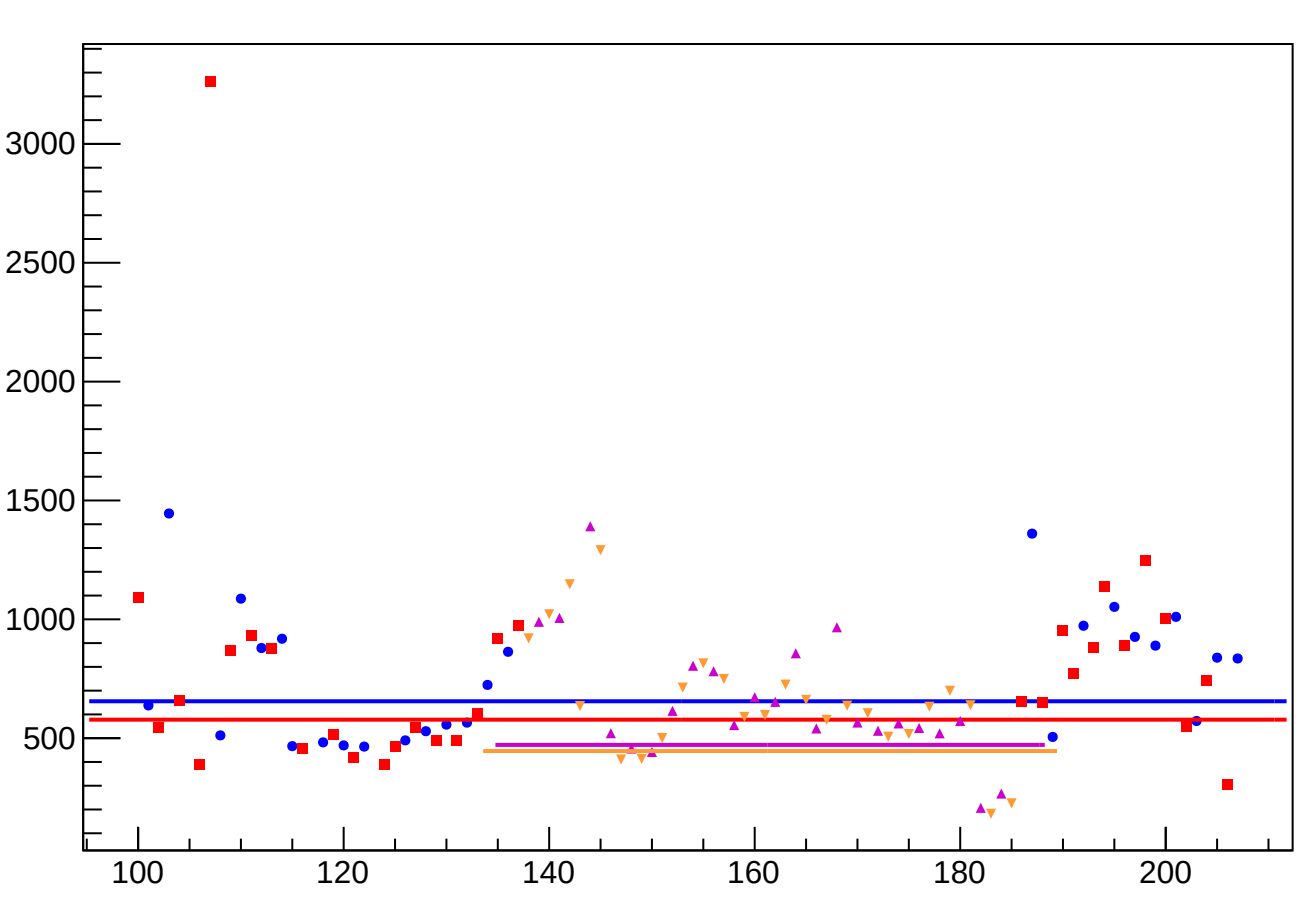
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -190.537+/-122.283 χ^2/NDF: 68.5/56

In: -99.218+/-101.888 χ^2/NDF:43.3/48

Out: -166.802+/-94.403 χ^2/NDF:74.0/55

All: -135.583+/-69.248 χ^2/NDF: 117.5/104



Right In: 655.321+/-0.129 χ^2/NDF: 2451127.8/25

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

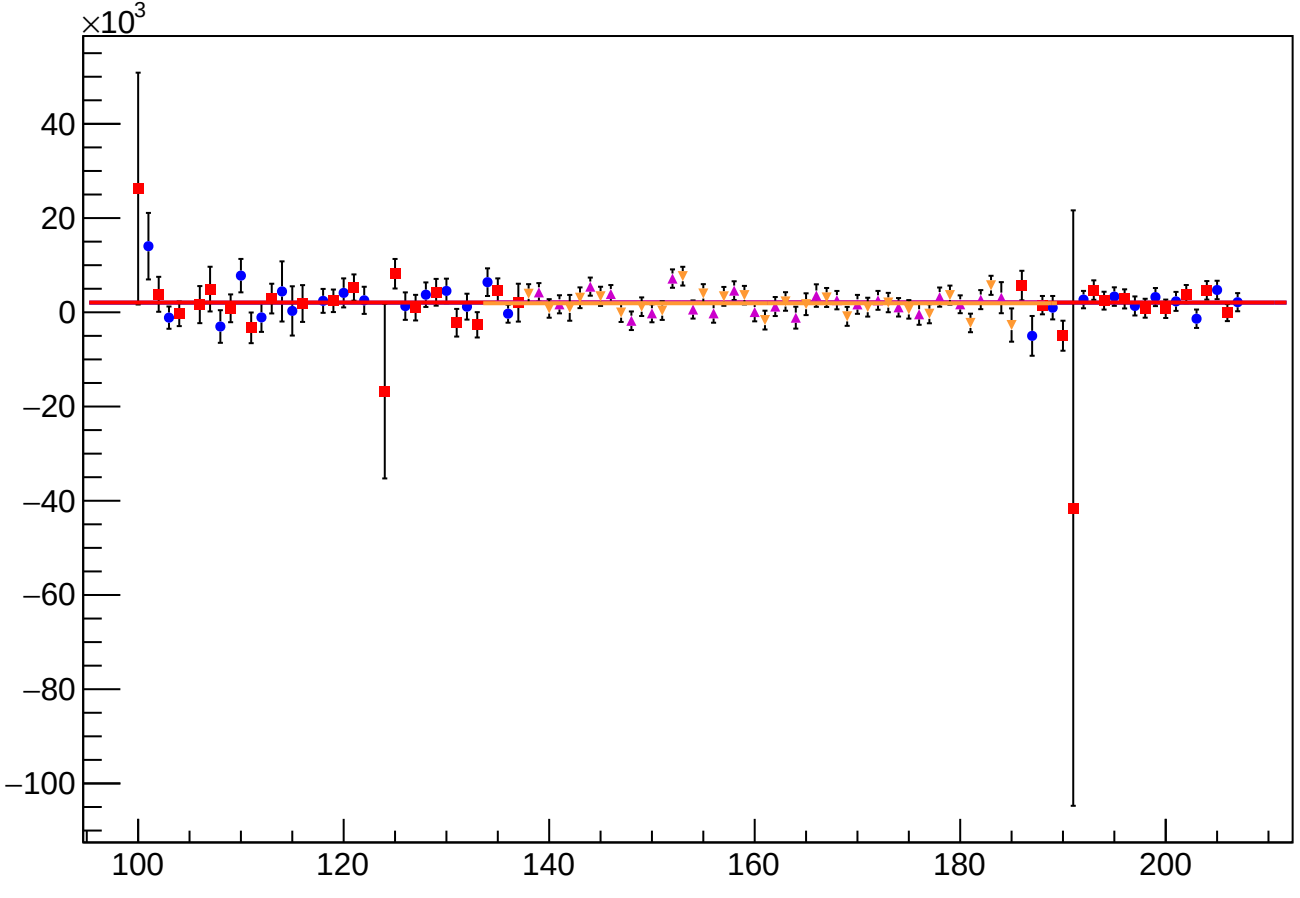
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 612.526+/-0.086 χ^2/NDF: 6598255.6/56

In: 528.734+/-0.072 χ^2/NDF:10254349.6/48

Out: 489.383+/-0.067 χ^2/NDF:12797590.6/55

All: 507.560+/-0.049 χ^2/NDF: 23212459.1/10



Right In: 2045.815+/-489.645 χ^2/NDF: 25.4/25

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

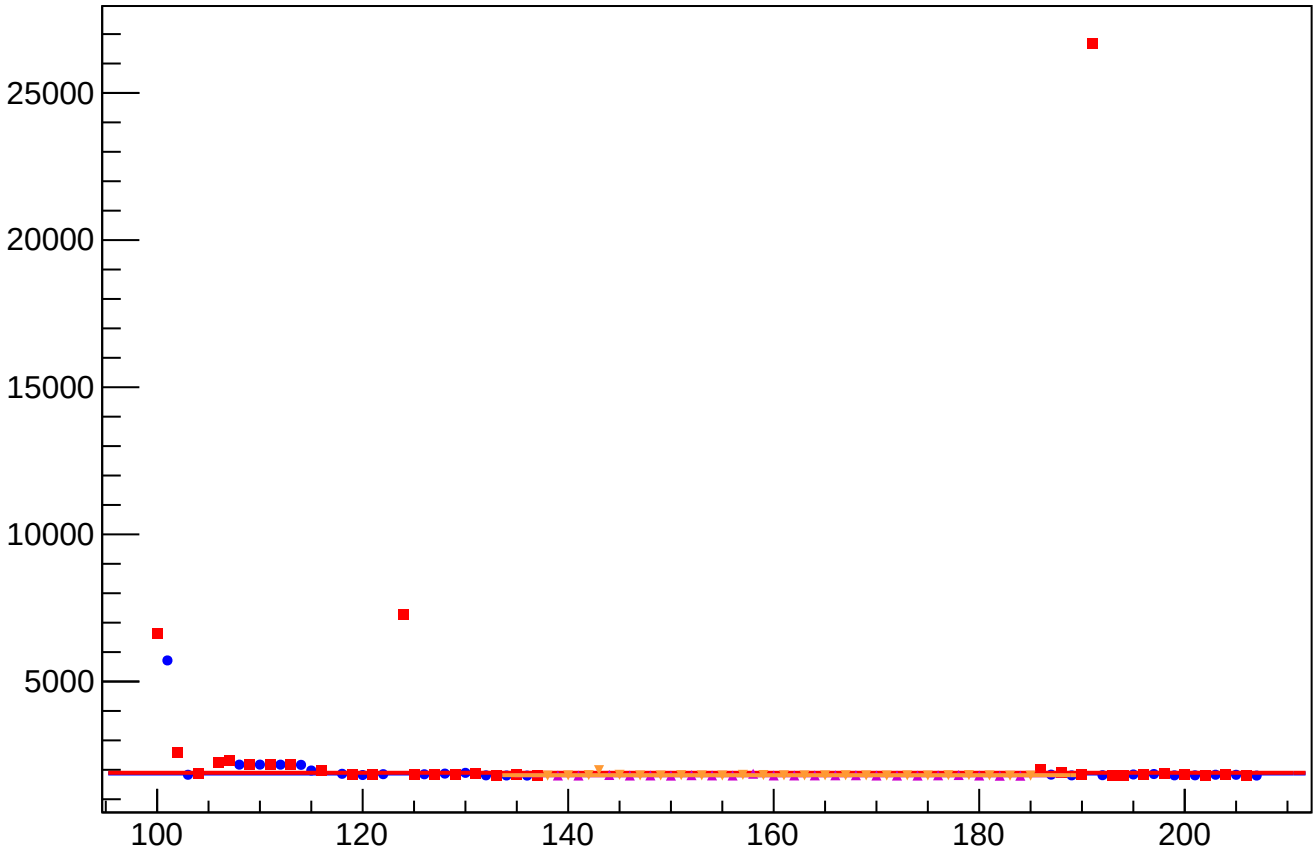
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2061.881+/-341.488 χ^2/NDF: 57.3/56

In: 2062.123+/-320.184 χ^2/NDF:52.0/48

Out: 1987.711+/-312.051 χ^2/NDF:64.5/55

All: 2023.960+/-223.473 χ^2/NDF: 116.5/104



Right In: 1874.531+/-0.346 χ^2/NDF: 665293.7/25

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

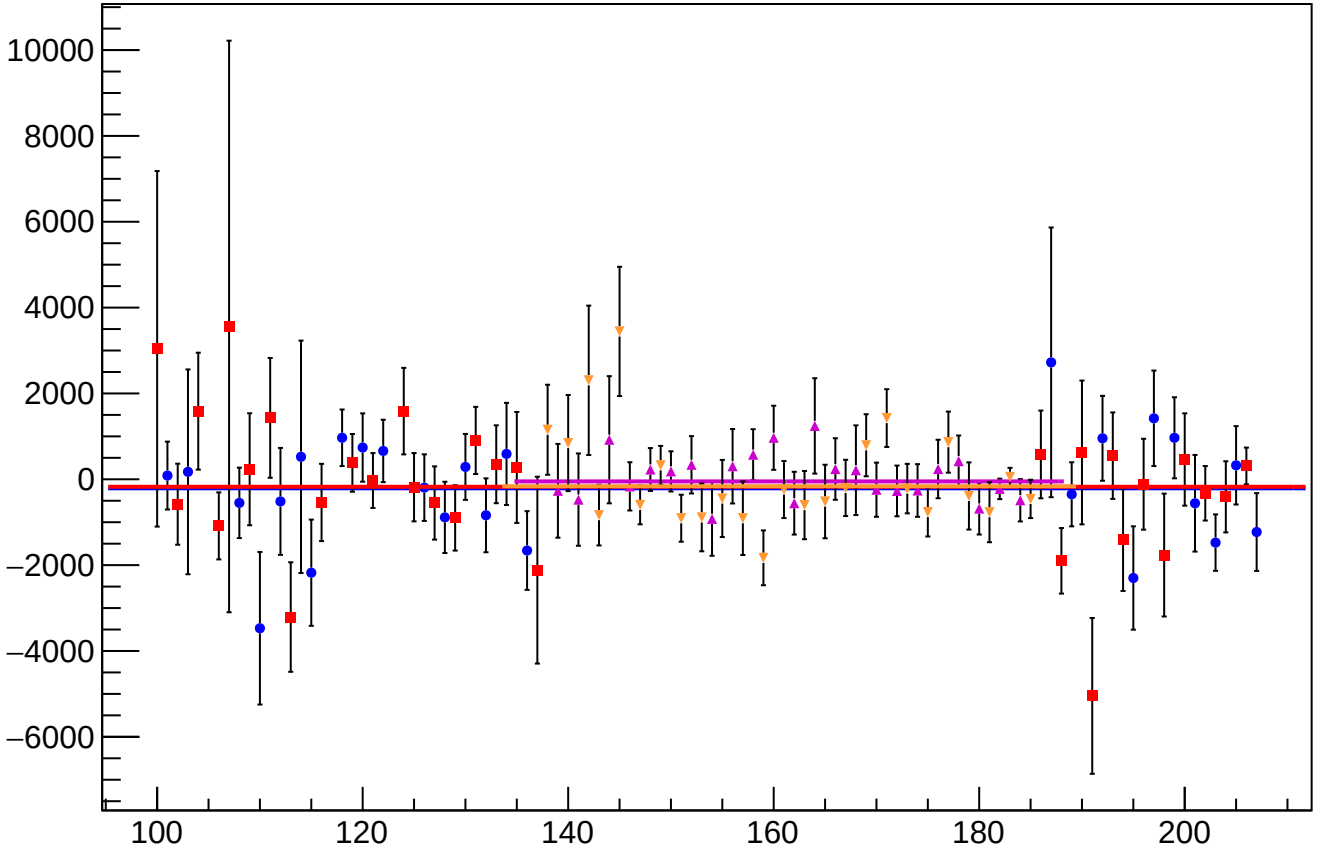
Right: 1887.214+/-0.241 χ^2/NDF: 1405935.1/56

In: 1839.050+/-0.226 χ^2/NDF:685653.3/48

Out: 1852.564+/-0.221 χ^2/NDF:784565.3/55

All: 1845.981+/-0.158 χ^2/NDF: 1472045.9/10

asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -210.101+/-182.881 χ^2/NDF: 31.4/25

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

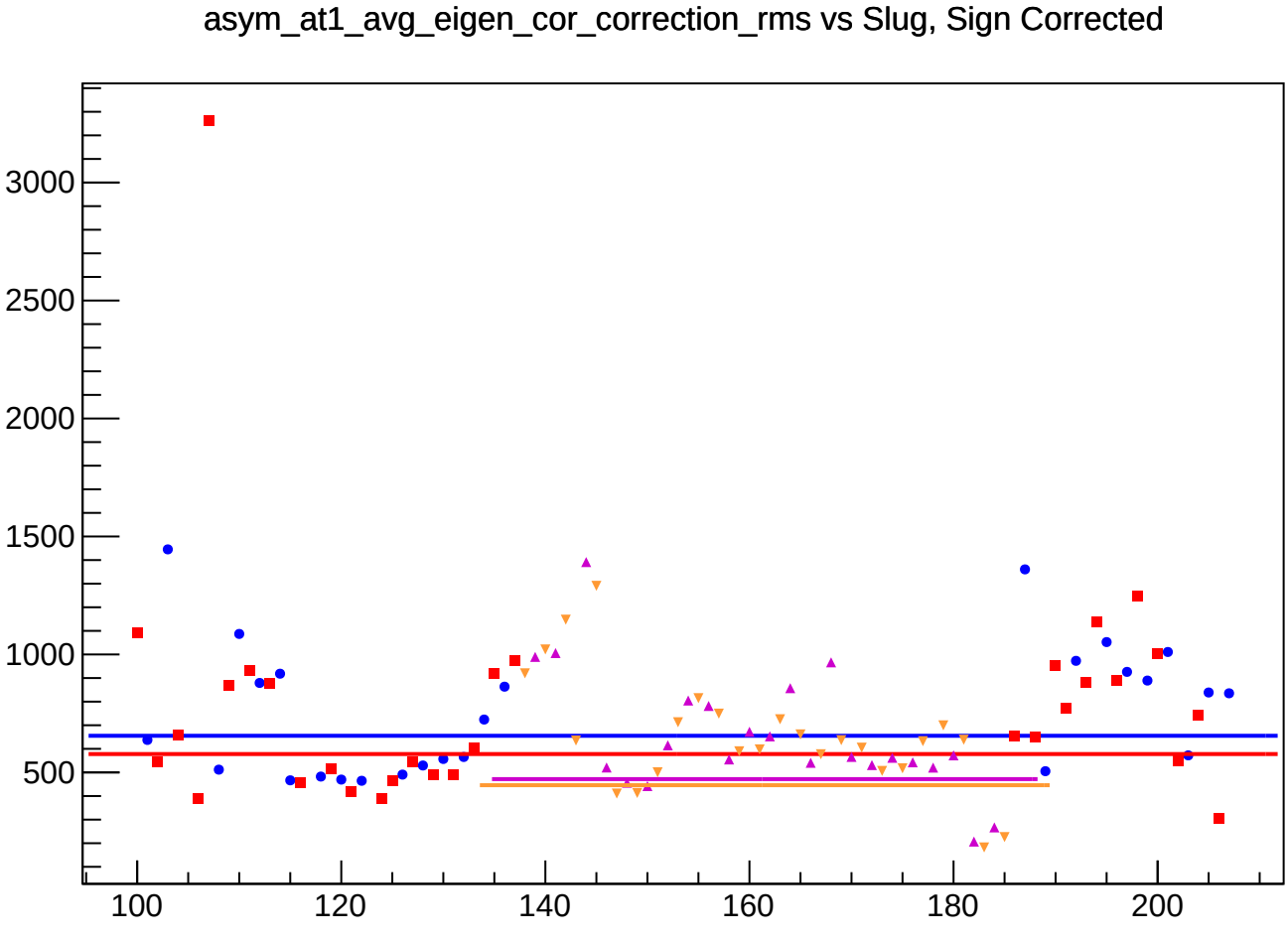
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -190.537+/-122.283 χ^2/NDF: 68.5/56

In: -99.218+/-101.888 χ^2/NDF:43.3/48

Out: -166.802+/-94.403 χ^2/NDF:74.0/55

All: -135.583+/-69.248 χ^2/NDF: 117.5/104


asym_at1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
3000
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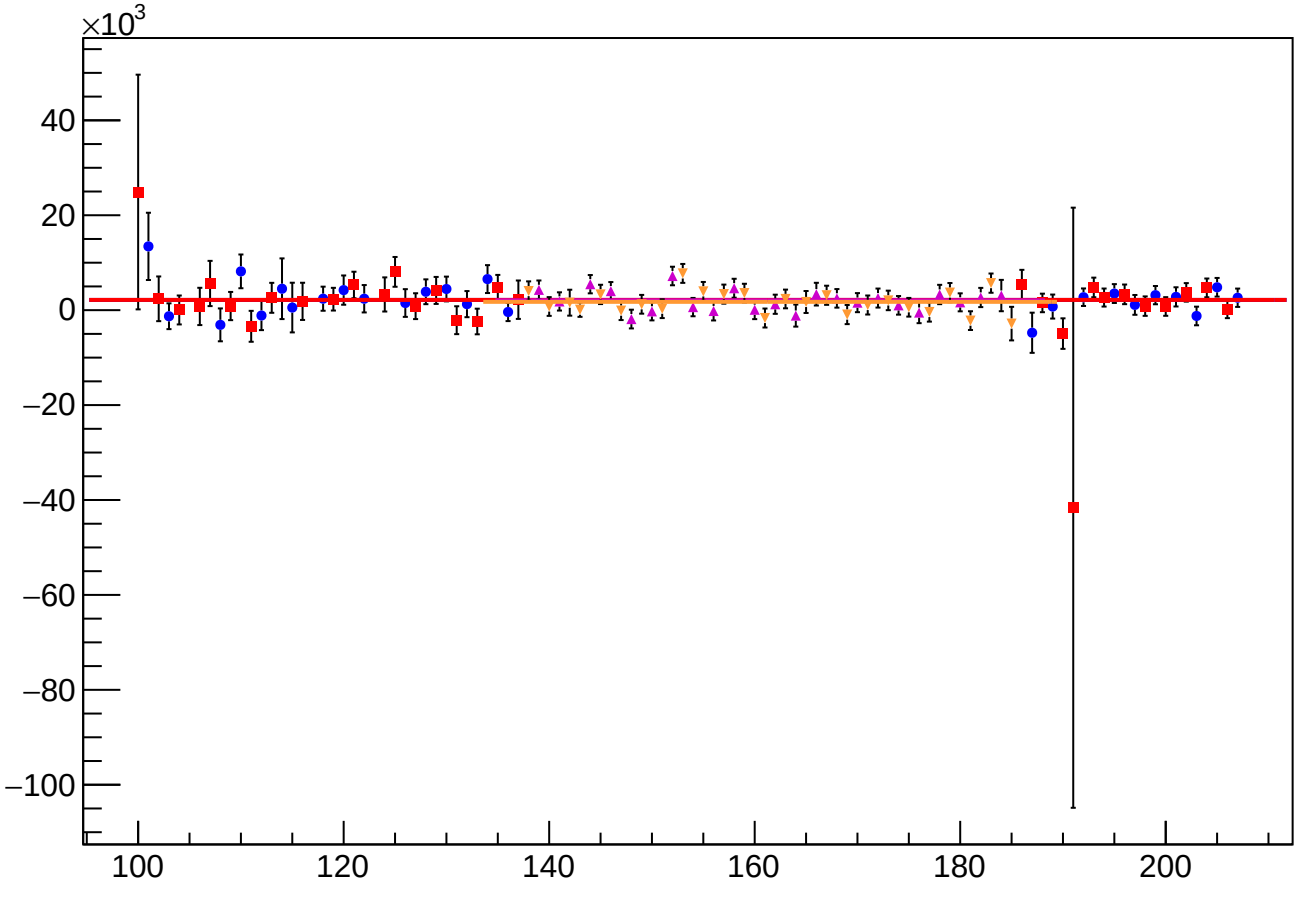
Right In: 655.321+/-0.129 χ²/NDF: 2451127.8/25
Left Out: 445.867+/-0.082 χ²/NDF:7983869.6/24
Right Out: 577.922+/-0.116 χ²/NDF: 3949059.4/30
Left In: 471.757+/-0.087 χ²/NDF:6413685.0/22
Left: 458.008+/-0.059 χ²/NDF: 14444849.4/47
Right: 612.526+/-0.086 χ²/NDF: 6598255.6/56
In: 528.734+/-0.072 χ²/NDF:10254349.6/48
Out: 489.383+/-0.067 χ²/NDF:12797590.6/55
All: 507.560+/-0.049 χ²/NDF: 23212459.1/10



Right In: 2151.352+/-494.789 χ^2/NDF: 25.5/25

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

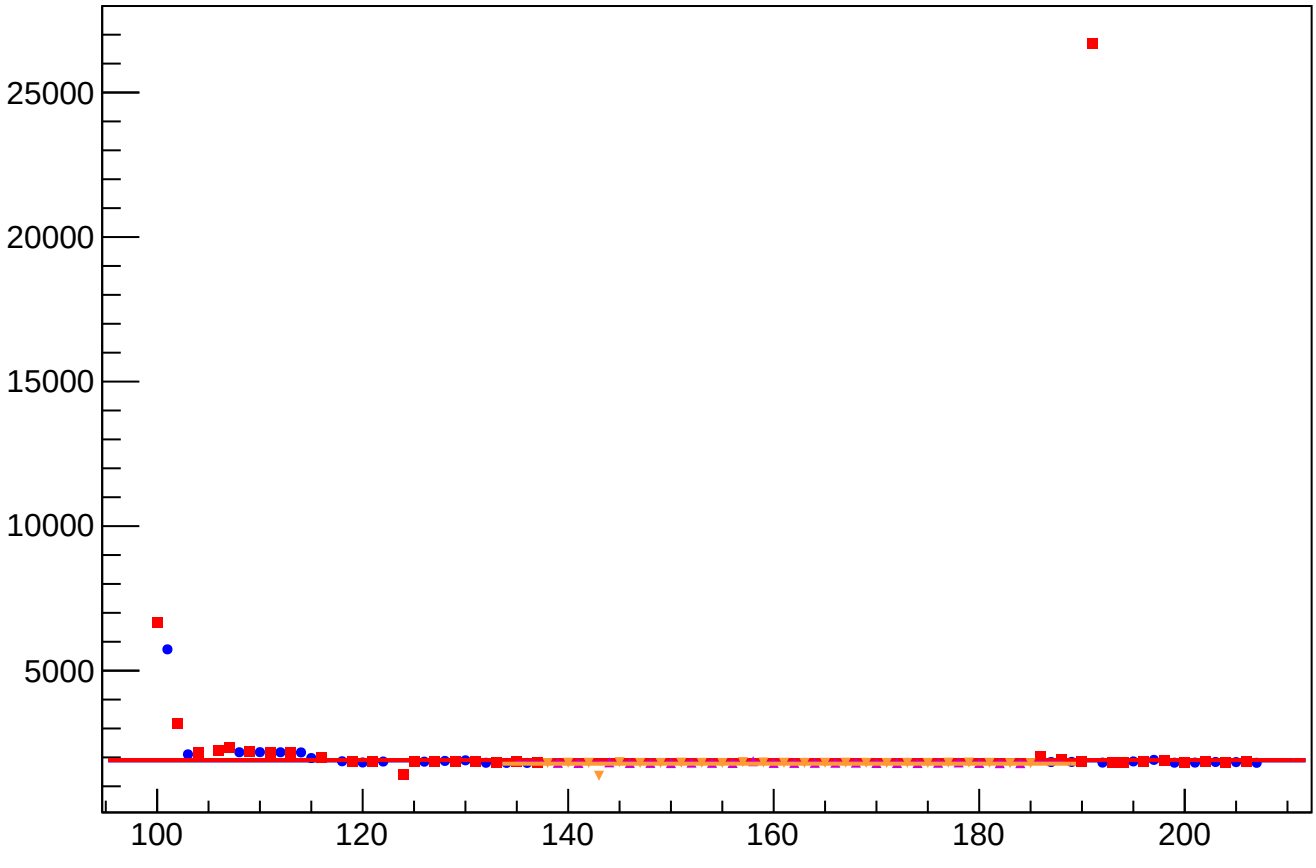
Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

Right: 2156.144+/-344.170 χ^2/NDF: 55.2/56

In: 2106.397+/-321.804 χ^2/NDF:52.5/48

Out: 1924.559+/-309.462 χ^2/NDF:63.9/55

All: 2011.924+/-223.058 χ^2/NDF: 116.6/104



Right In: 1893.640+/-0.350 χ^2/NDF: 675284.9/25

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

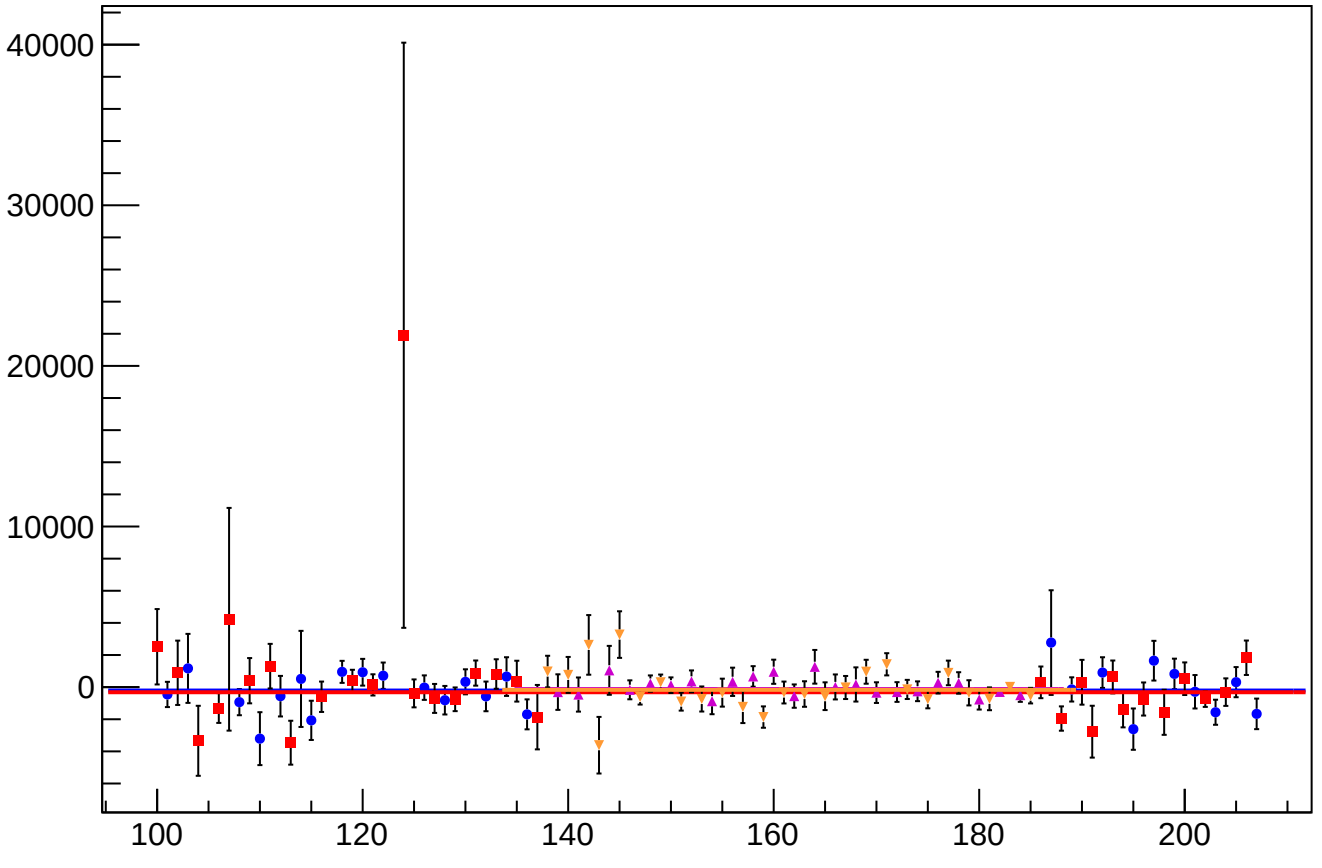
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1901.000+/-0.243 χ^2/NDF: 1367484.3/56

In: 1847.939+/-0.228 χ^2/NDF:706951.3/48

Out: 1833.904+/-0.219 χ^2/NDF:938166.6/55

All: 1840.647+/-0.158 χ^2/NDF: 1647094.1/10



Right In: -212.848+/-189.169 χ^2/NDF: 32.1/25

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

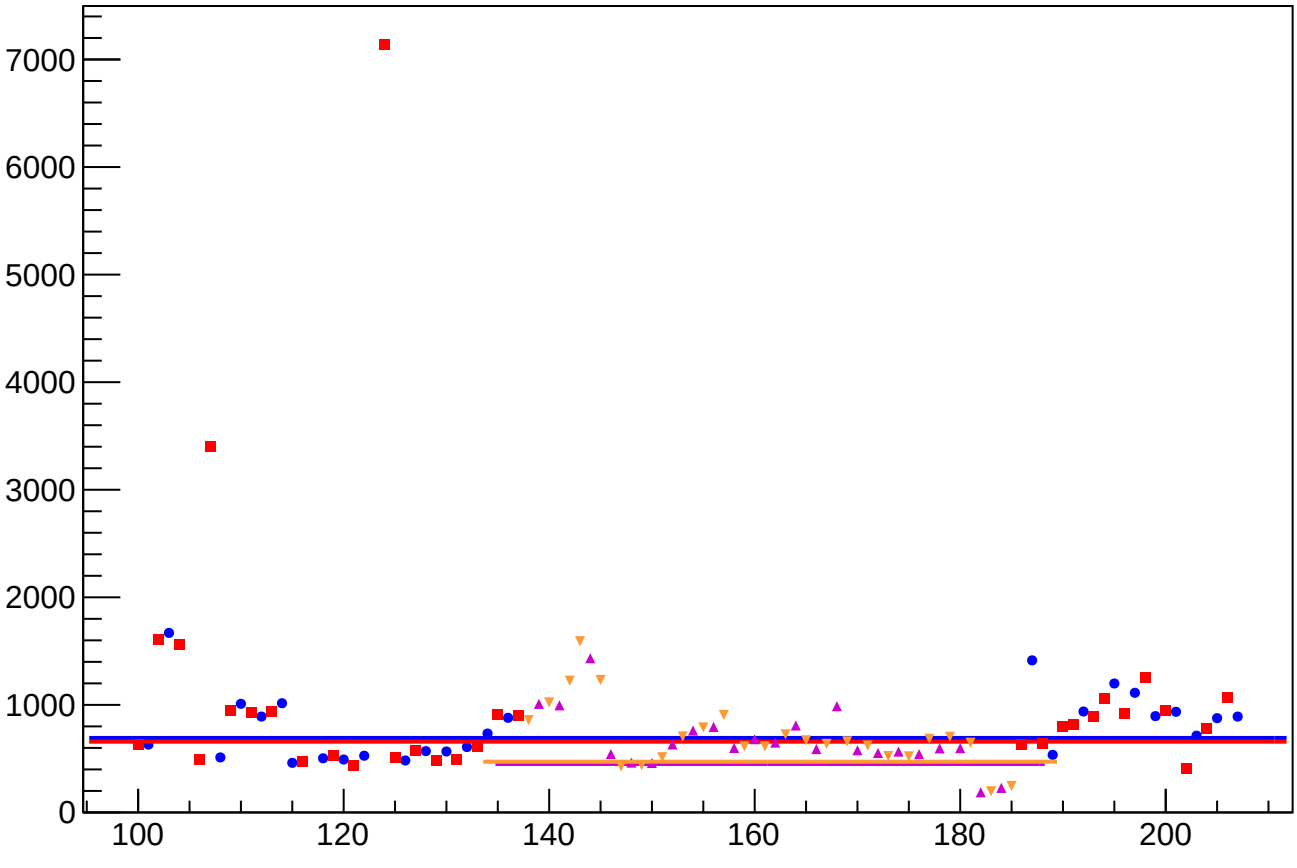
Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

Right: -267.982+/-130.087 χ^2/NDF: 68.6/56

In: -144.578+/-101.194 χ^2/NDF:44.6/48

Out: -215.079+/-100.633 χ^2/NDF:75.2/55

All: -180.024+/-71.356 χ^2/NDF: 120.0/104



Right In: 692.653+/-0.134 χ^2/NDF: 2657363.1/25

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

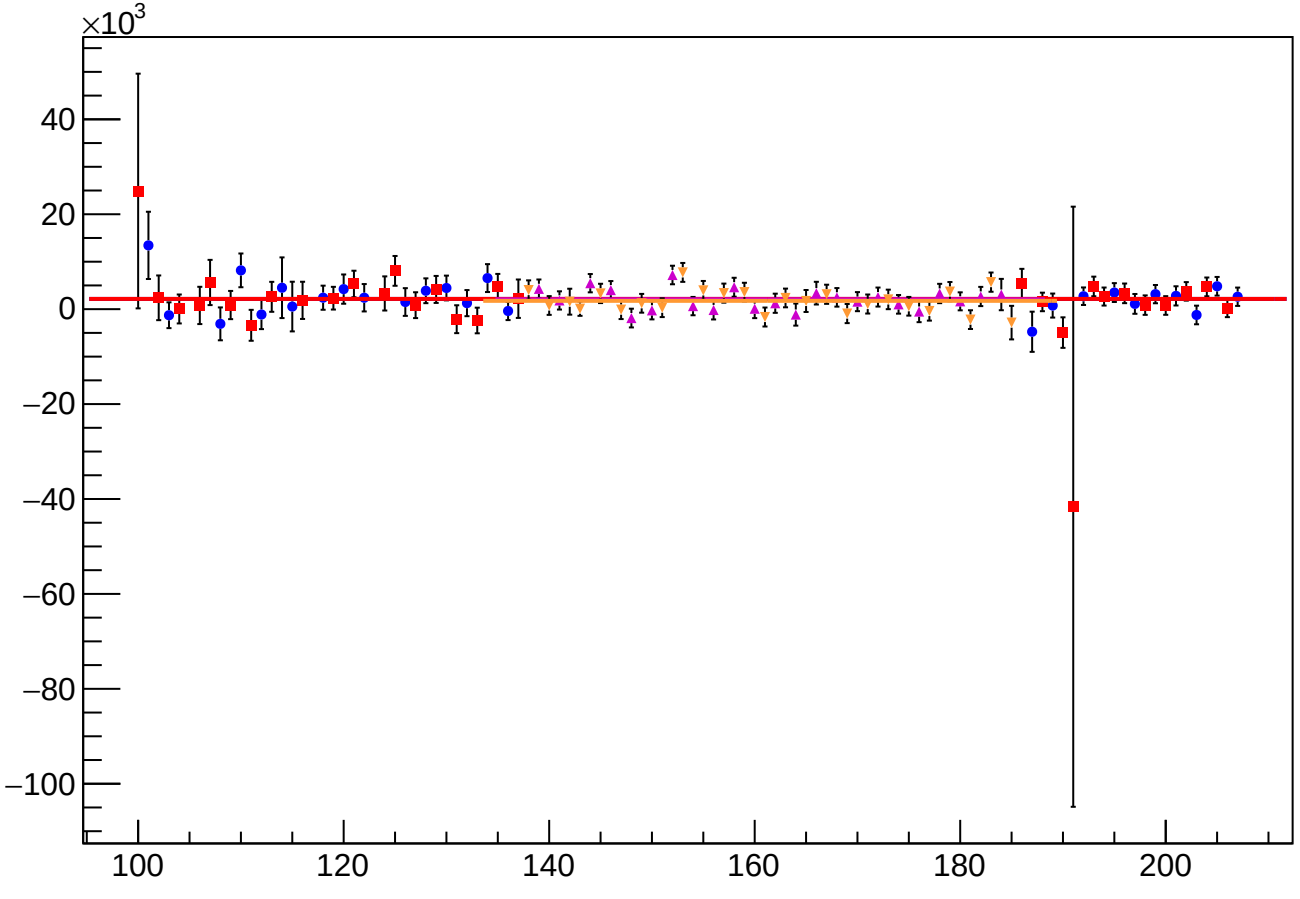
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 674.334+/-0.092 χ^2/NDF: 7040318.7/56

In: 519.903+/-0.072 χ^2/NDF:12922188.8/48

Out: 530.487+/-0.071 χ^2/NDF:13937344.6/55

All: 525.224+/-0.050 χ^2/NDF: 26870533.4/10



Right In: 2151.351+/-494.789 χ^2/NDF: 25.5/25

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

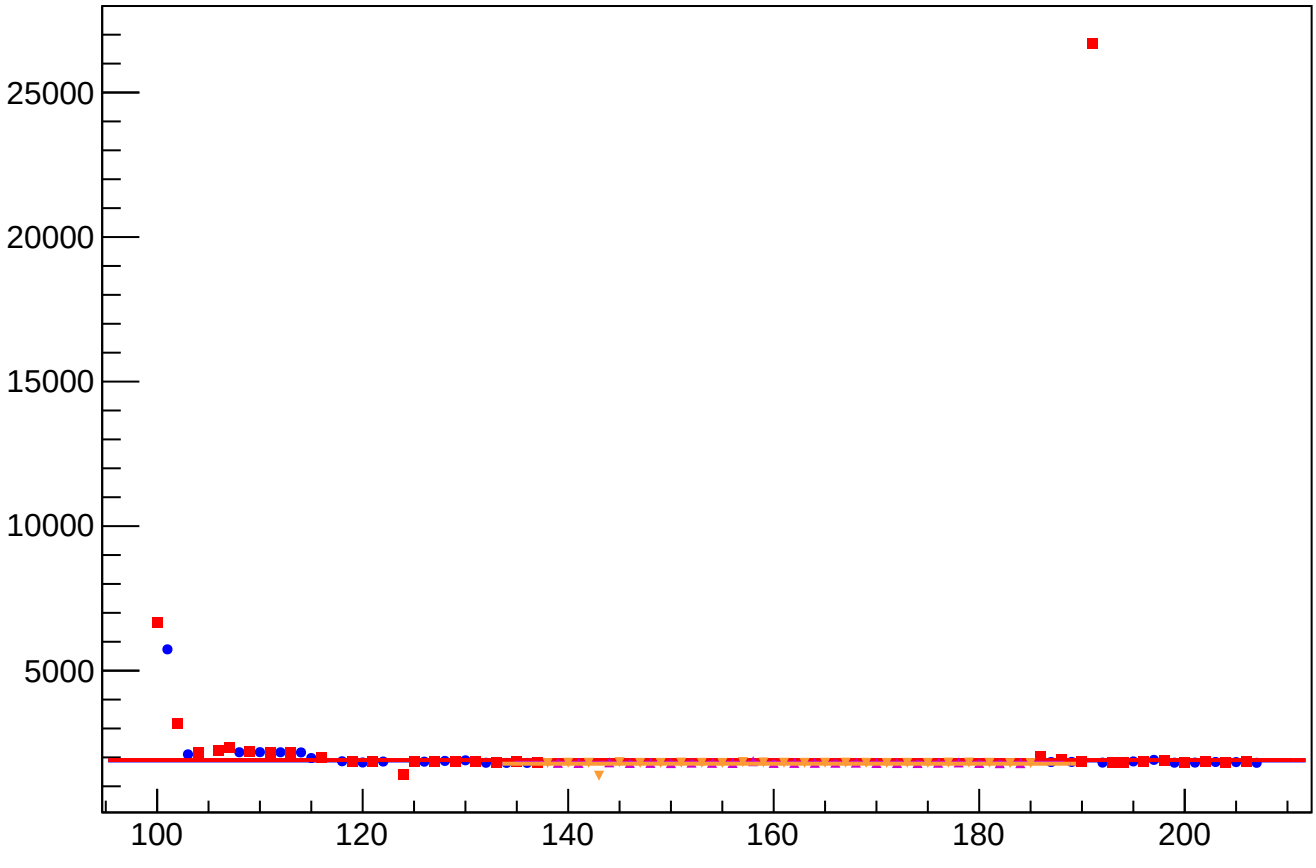
Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

Right: 2156.142+/-344.170 χ^2/NDF: 55.2/56

In: 2106.397+/-321.804 χ^2/NDF:52.5/48

Out: 1924.559+/-309.462 χ^2/NDF:63.9/55

All: 2011.924+/-223.058 χ^2/NDF: 116.6/104



Right In: 1893.640+/-0.350 χ^2/NDF: 675284.5/25

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

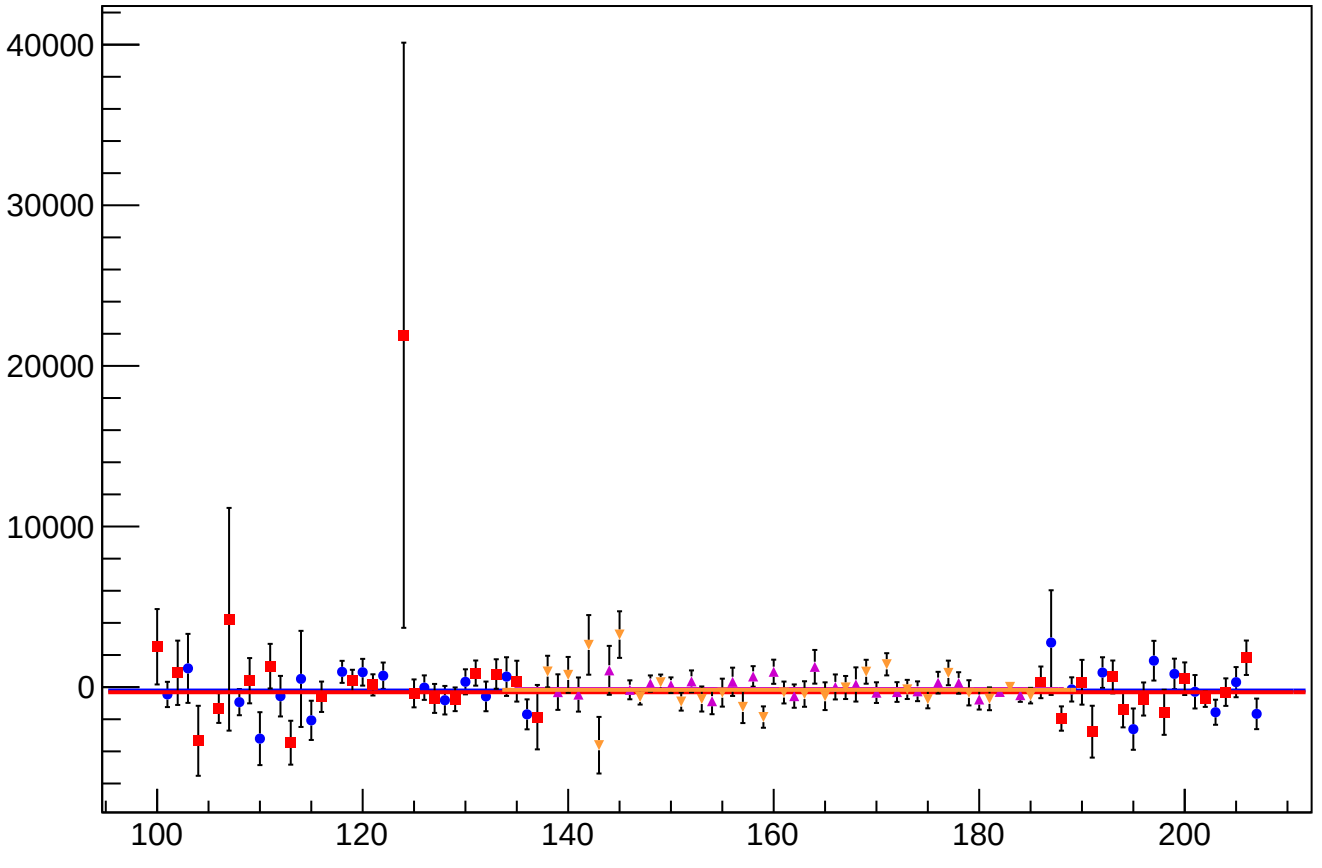
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1901.000+/-0.243 χ^2/NDF: 1367482.4/56

In: 1847.939+/-0.228 χ^2/NDF:706950.8/48

Out: 1833.904+/-0.219 χ^2/NDF:938165.0/55

All: 1840.647+/-0.158 χ^2/NDF: 1647092.1/10



Right In: -212.848+/-189.169 χ^2/NDF: 32.1/25

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

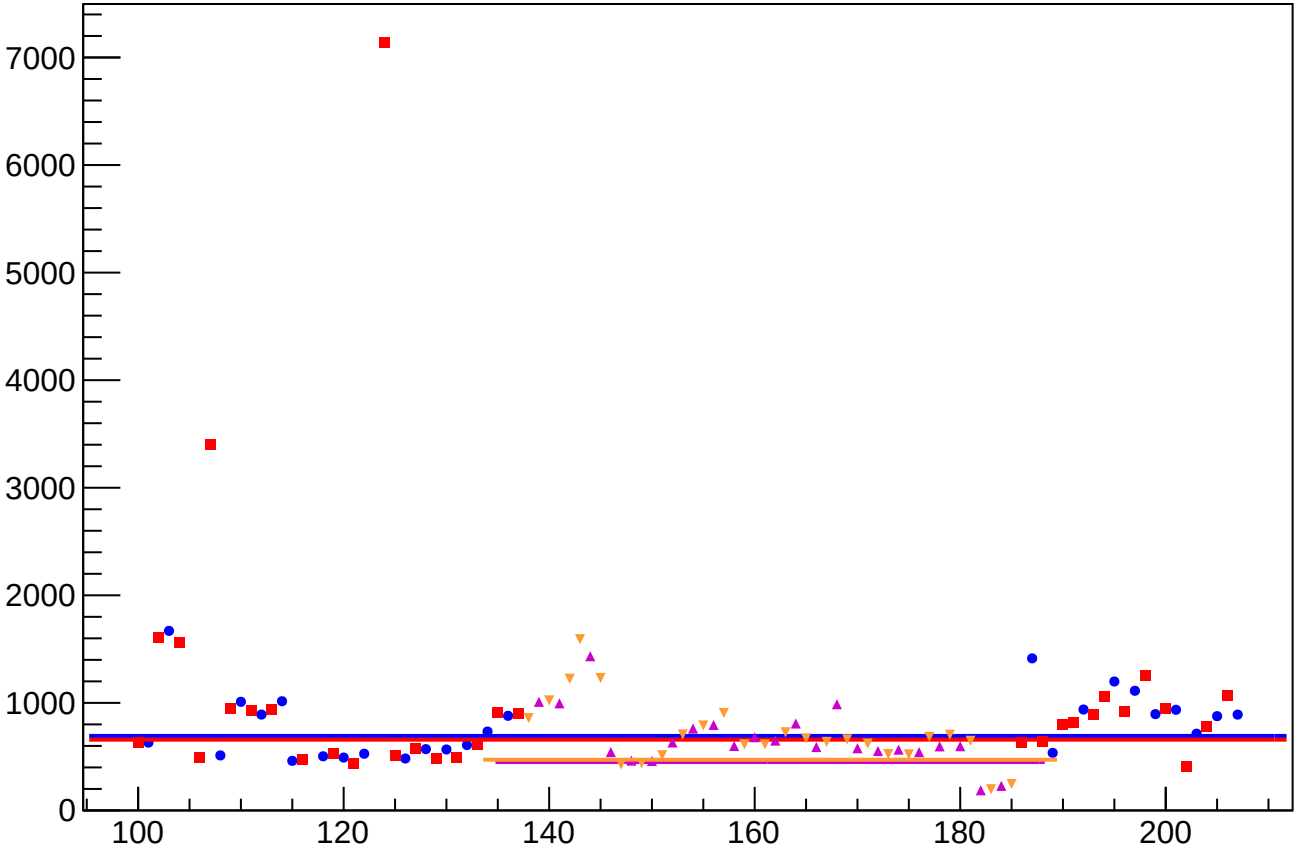
Right: -267.982+/-130.087 χ^2/NDF: 68.6/56

In: -144.579+/-101.194 χ^2/NDF:44.6/48

Out: -215.079+/-100.633 χ^2/NDF:75.2/55

All: -180.025+/-71.356 χ^2/NDF: 120.0/104

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 692.652+/-0.134 χ^2/NDF: 2657385.1/25

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

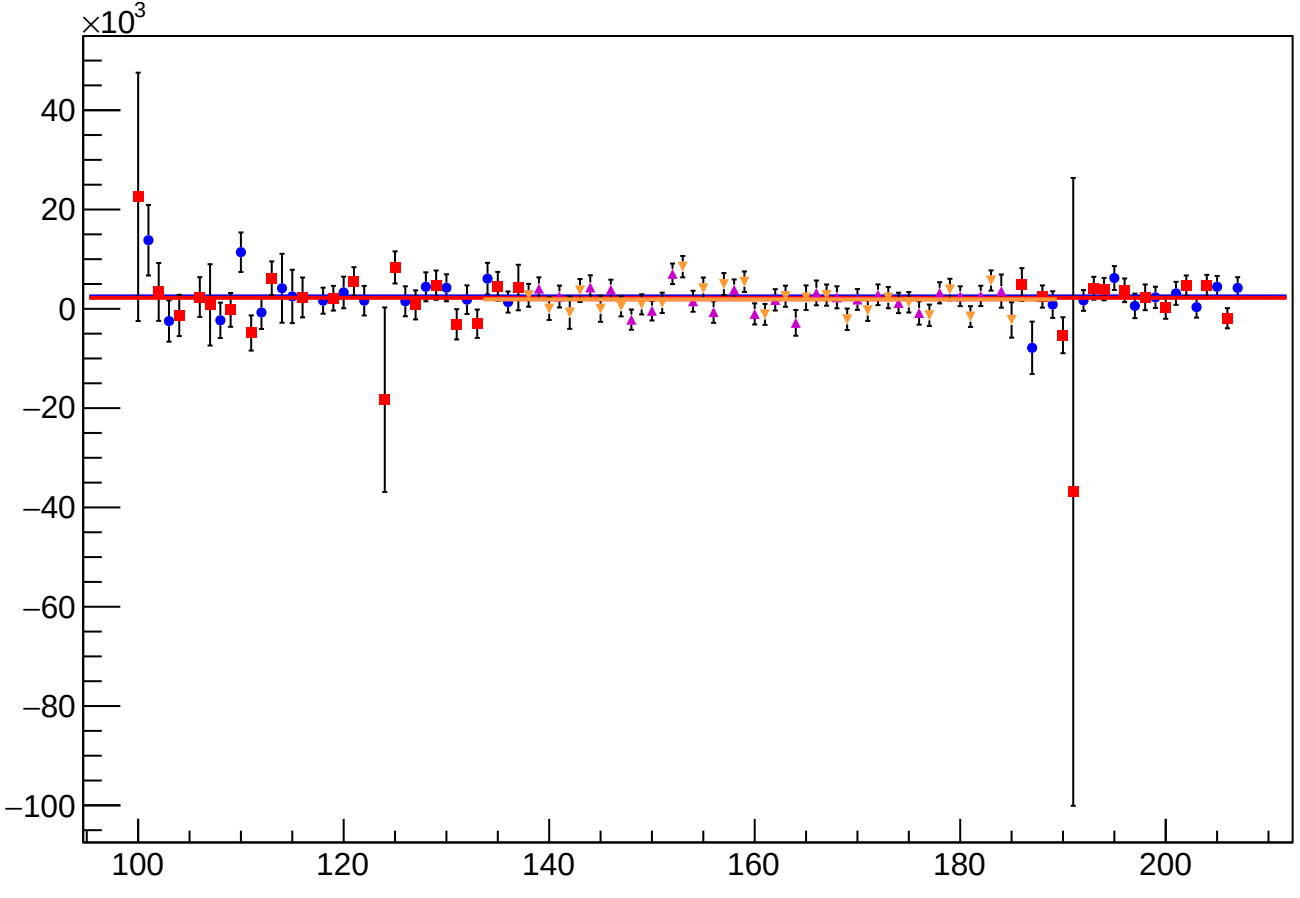
Right: 674.334+/-0.092 χ^2/NDF: 7040350.5/56

In: 519.904+/-0.072 χ^2/NDF:12922167.8/48

Out: 530.488+/-0.071 χ^2/NDF:13937343.6/55

All: 525.225+/-0.050 χ^2/NDF: 26870511.1/10

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2502.496+/-548.813 χ^2/NDF: 24.5/25

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

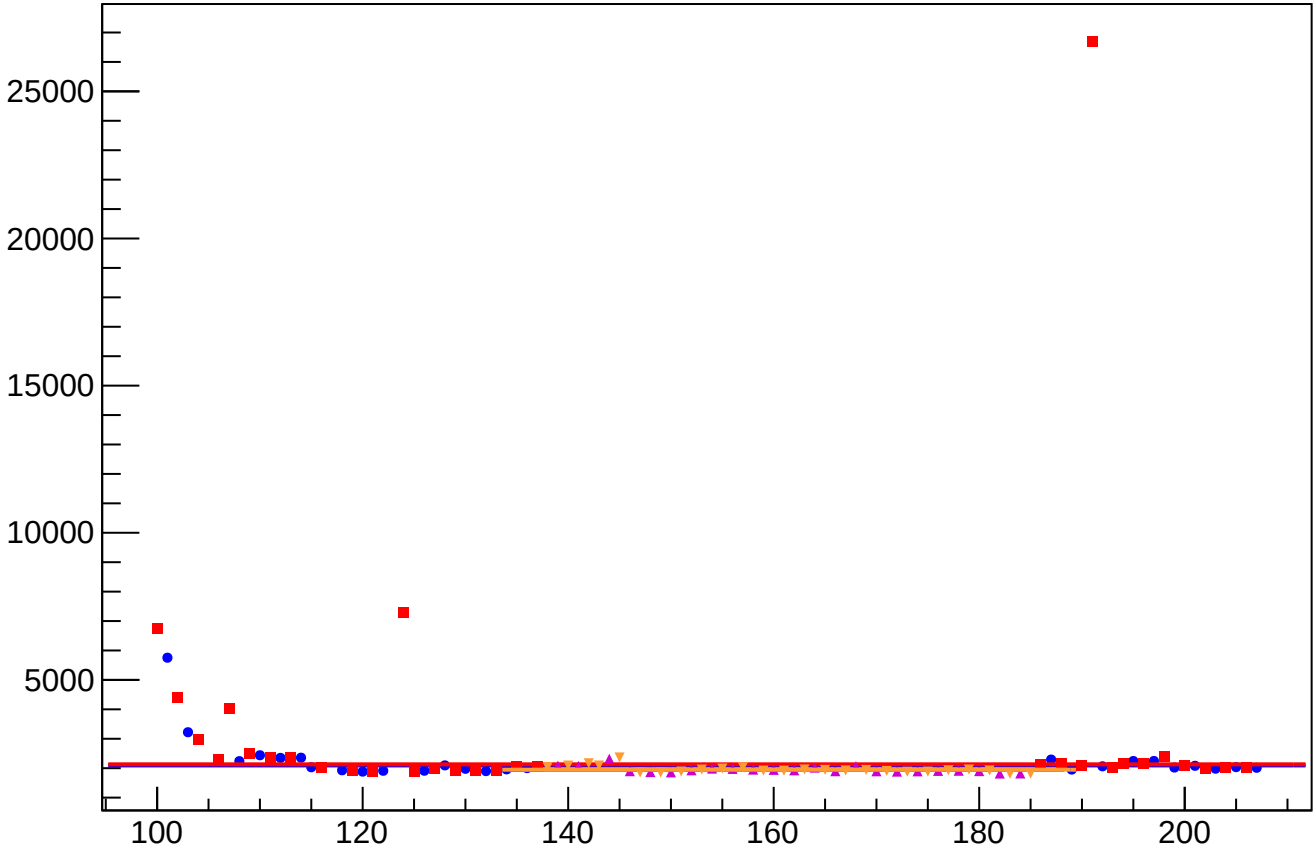
Right: 2357.394+/-384.230 χ^2/NDF: 60.9/56

In: 2161.101+/-350.221 χ^2/NDF:49.9/48

Out: 2032.986+/-342.252 χ^2/NDF:72.7/55

All: 2095.570+/-244.778 χ^2/NDF: 122.7/104

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2093.986+/-0.388 χ^2/NDF: 797999.2/25

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

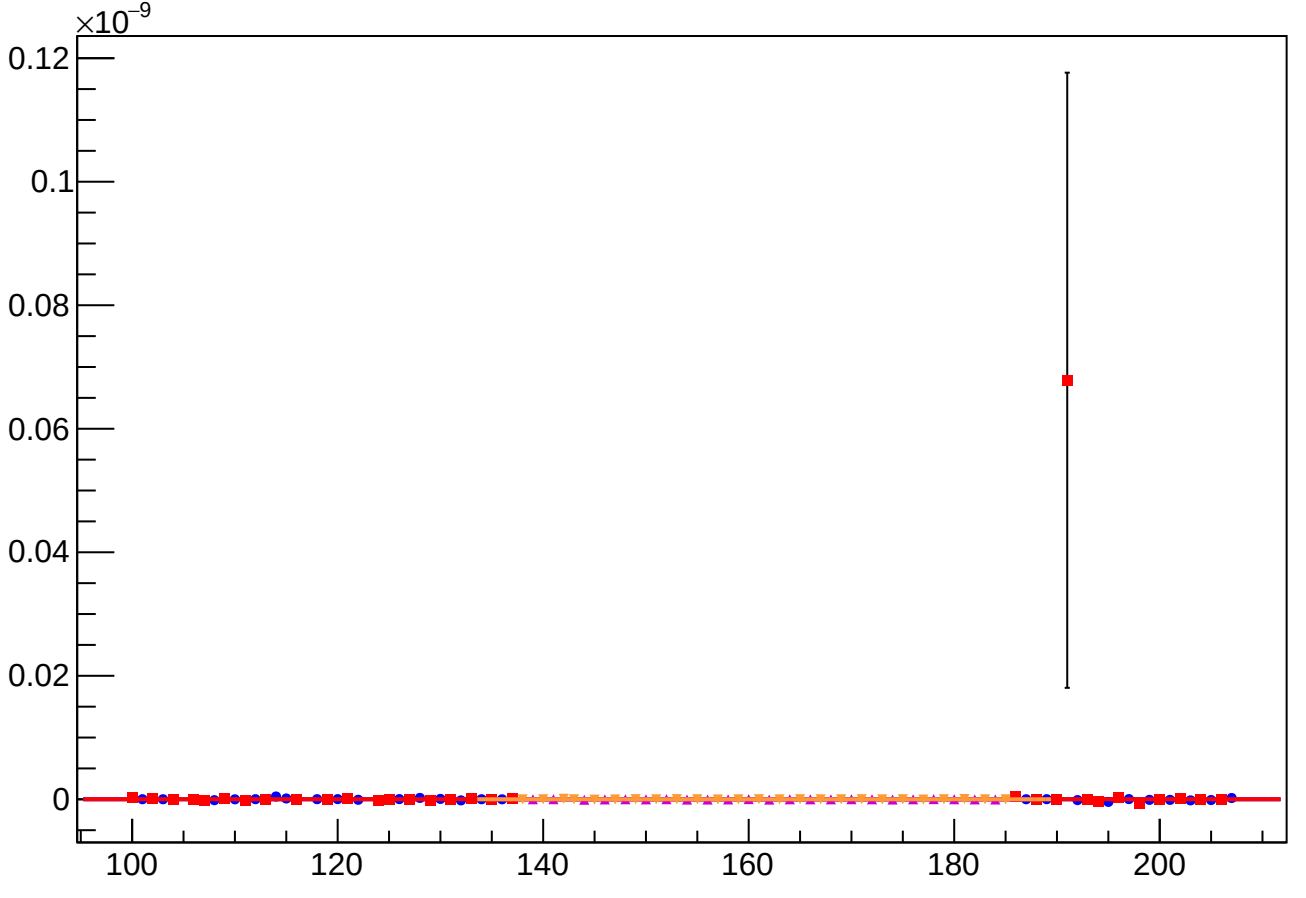
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2112.956+/-0.272 χ^2/NDF: 1981495.3/56

In: 2005.749+/-0.248 χ^2/NDF:981169.0/48

Out: 2022.703+/-0.242 χ^2/NDF:1423855.3/55

All: 2014.421+/-0.173 χ^2/NDF: 2407421.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 33.3/25

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

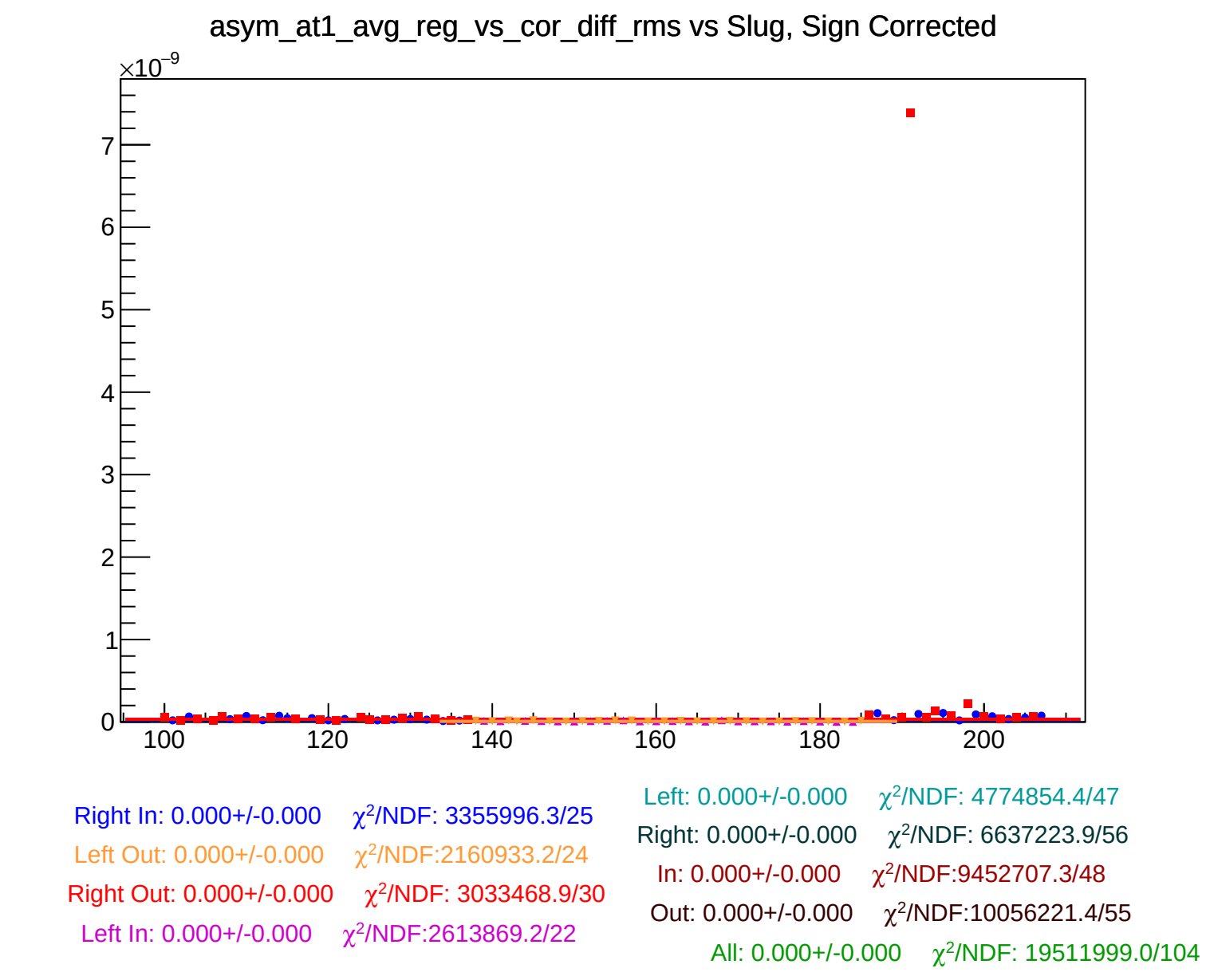
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 63.7/56

In: -0.000+/-0.000 χ^2/NDF:64.7/48

Out: 0.000+/-0.000 χ^2/NDF:59.5/55

All: -0.000+/-0.000 χ^2/NDF: 124.9/104


asym_at1_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
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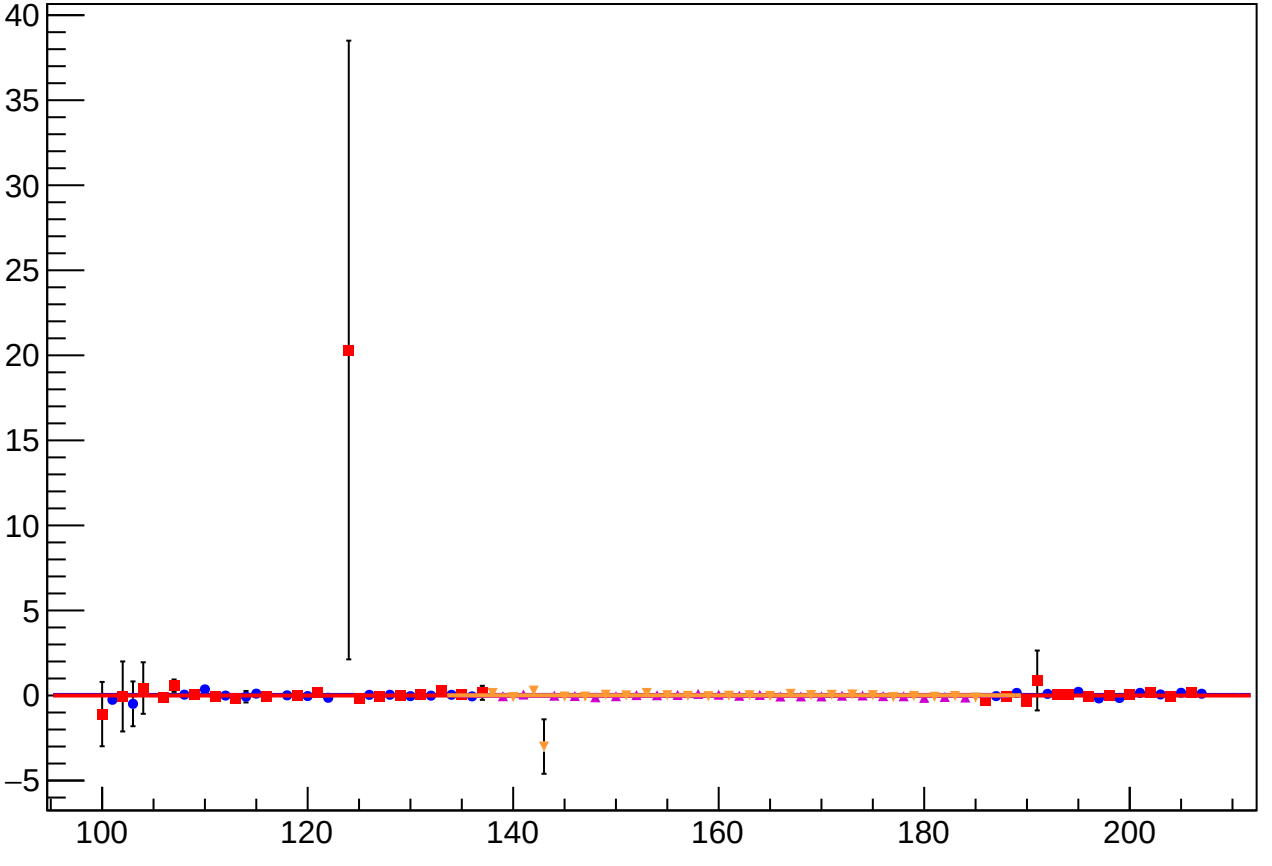
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3355996.3/25
Left Out: 0.000+/-0.000 χ²/NDF:2160933.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 3033468.9/30
Left In: 0.000+/-0.000 χ²/NDF:2613869.2/22
Left: 0.000+/-0.000 χ²/NDF: 4774854.4/47
Right: 0.000+/-0.000 χ²/NDF: 6637223.9/56
In: 0.000+/-0.000 χ²/NDF:9452707.3/48
Out: 0.000+/-0.000 χ²/NDF:10056221.4/55
All: 0.000+/-0.000 χ²/NDF: 19511999.0/104

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.021 χ^2/NDF: 22.1/25

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

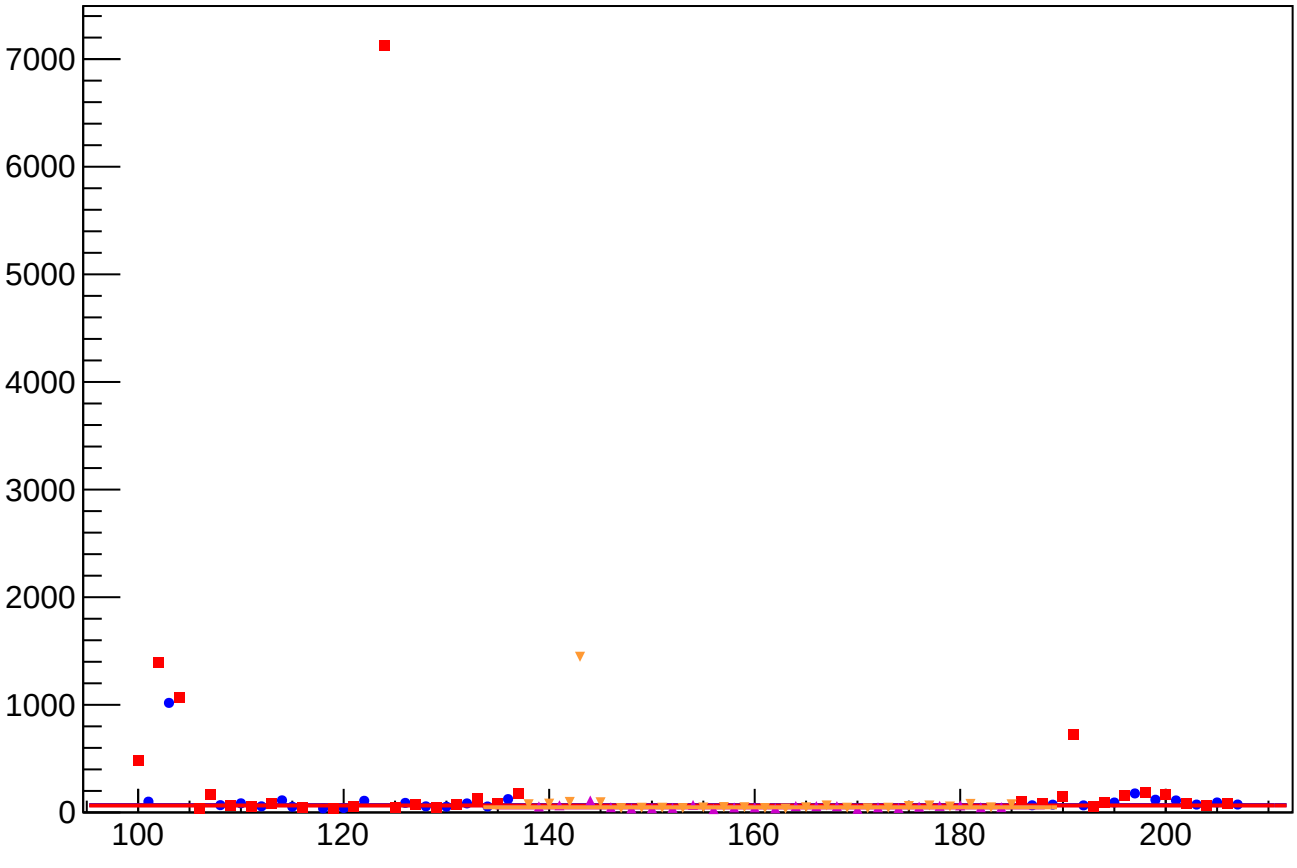
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.016+/-0.015 χ^2/NDF: 53.4/56

In: -0.005+/-0.011 χ^2/NDF:46.9/48

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.008 χ^2/NDF: 107.4/104



Right In: 68.385+/-0.015 χ^2/NDF: 3883230.7/25

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

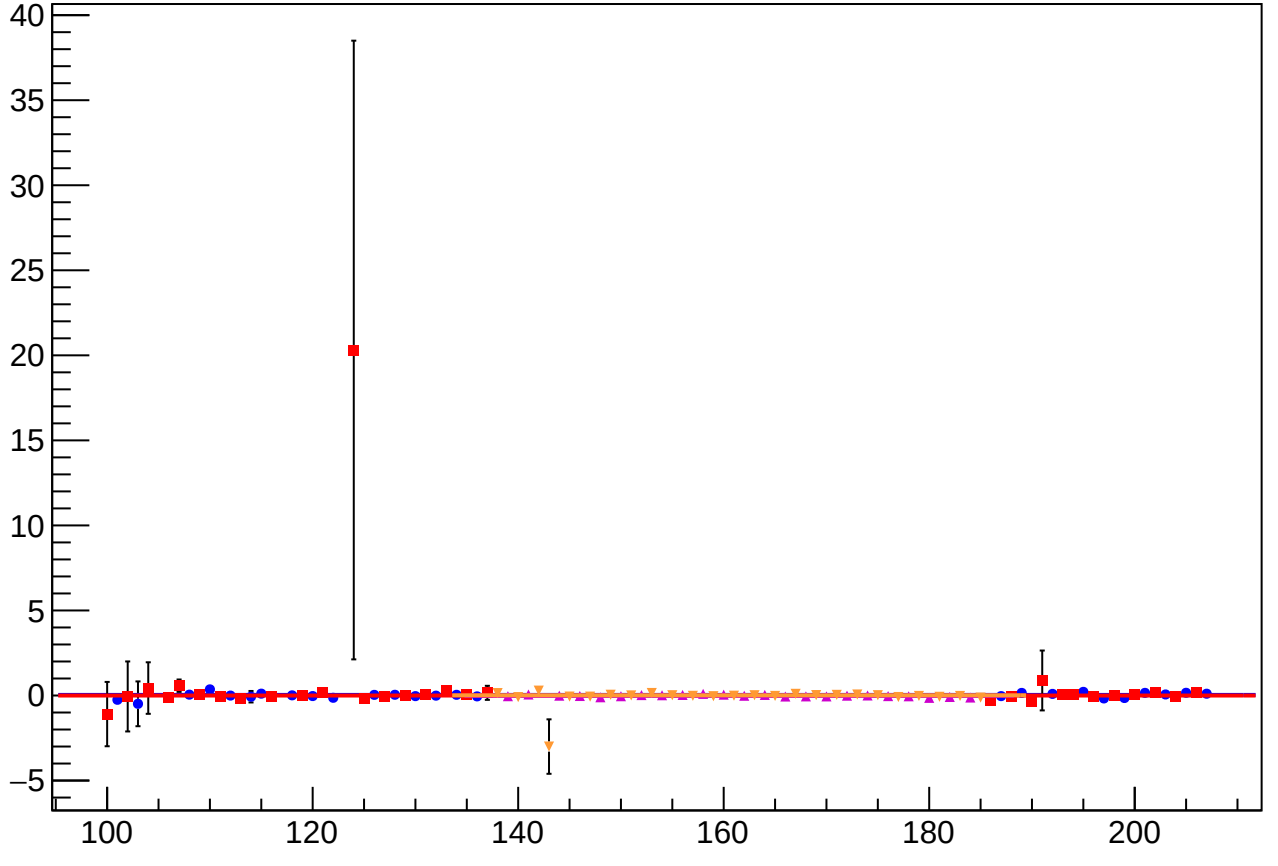
Right: 66.521+/-0.010 χ^2/NDF: 10136373.8/56

In: 52.171+/-0.008 χ^2/NDF:7381900.5/48

Out: 52.461+/-0.008 χ^2/NDF:10715329.5/55

All: 52.316+/-0.005 χ^2/NDF: 18097973.8/104

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.021 χ^2/NDF: 22.1/25

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

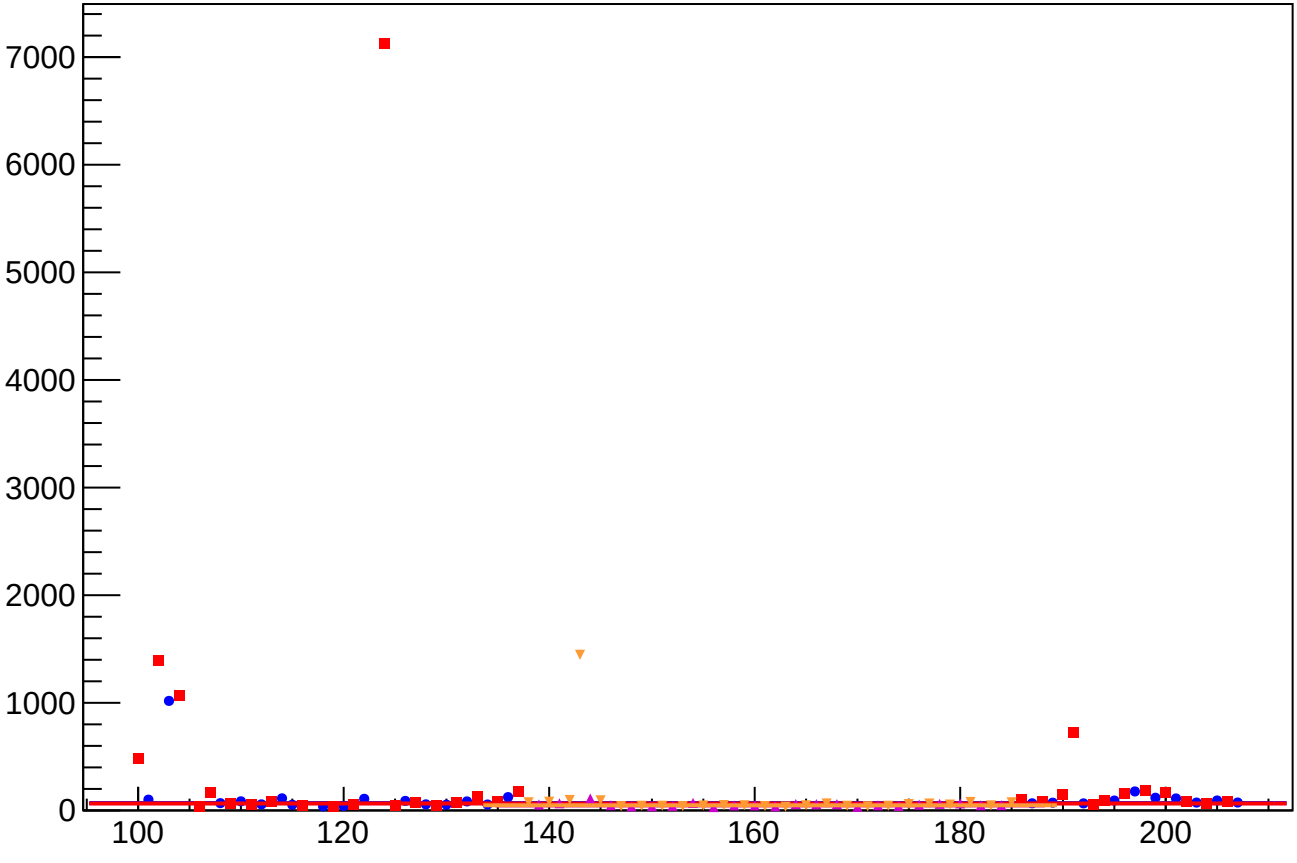
Right: 0.016+/-0.015 χ^2/NDF: 53.4/56

In: -0.005+/-0.011 χ^2/NDF:46.9/48

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.008 χ^2/NDF: 107.4/104

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.385+/-0.015 χ^2/NDF: 3883230.7/25

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

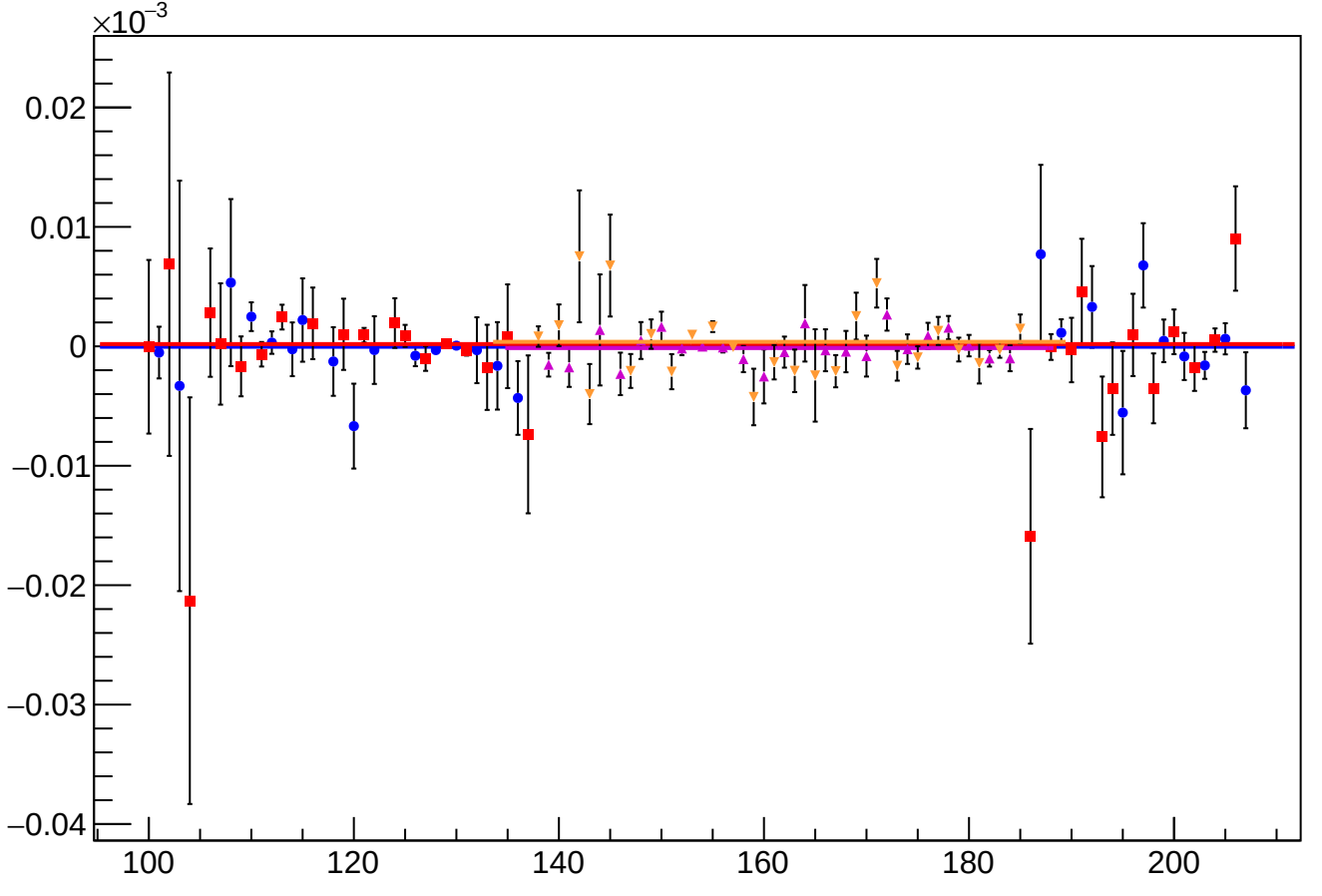
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.521+/-0.010 χ^2/NDF: 10136373.8/56

In: 52.171+/-0.008 χ^2/NDF:7381900.5/48

Out: 52.461+/-0.008 χ^2/NDF:10715329.5/55

All: 52.316+/-0.005 χ^2/NDF: 18097973.8/104



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/25

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

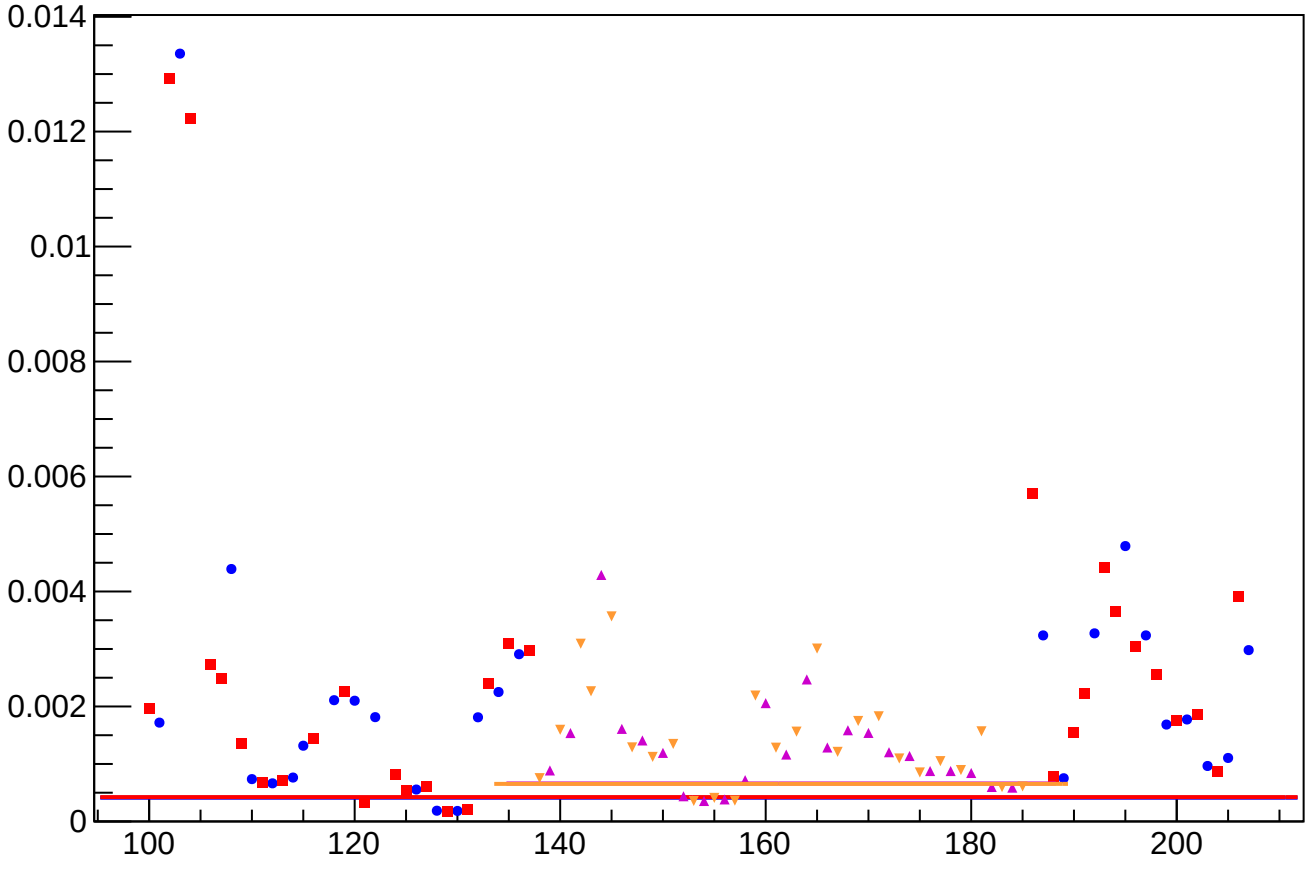
Right: 0.000+/-0.000 χ^2/NDF: 55.6/56

In: -0.000+/-0.000 χ^2/NDF:44.5/48

Out: 0.000+/-0.000 χ^2/NDF:82.6/55

All: 0.000+/-0.000 χ^2/NDF: 131.2/104

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18228878.7/25

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

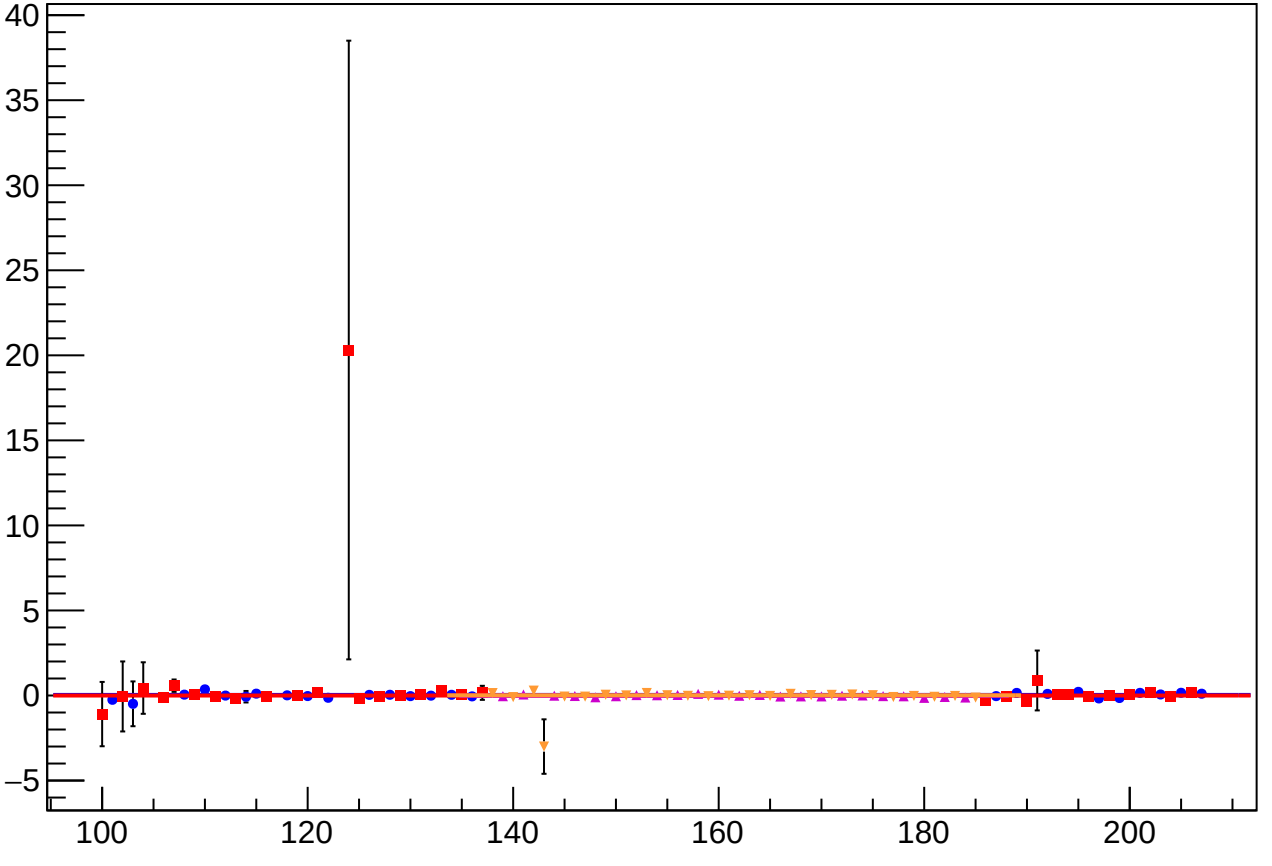
Right: 0.000+/-0.000 χ^2/NDF: 37040645.4/56

In: 0.001+/-0.000 χ^2/NDF:29706708.6/48

Out: 0.001+/-0.000 χ^2/NDF:32481672.0/55

All: 0.001+/-0.000 χ^2/NDF: 62189823.6/104

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.021 χ^2/NDF: 22.1/25

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

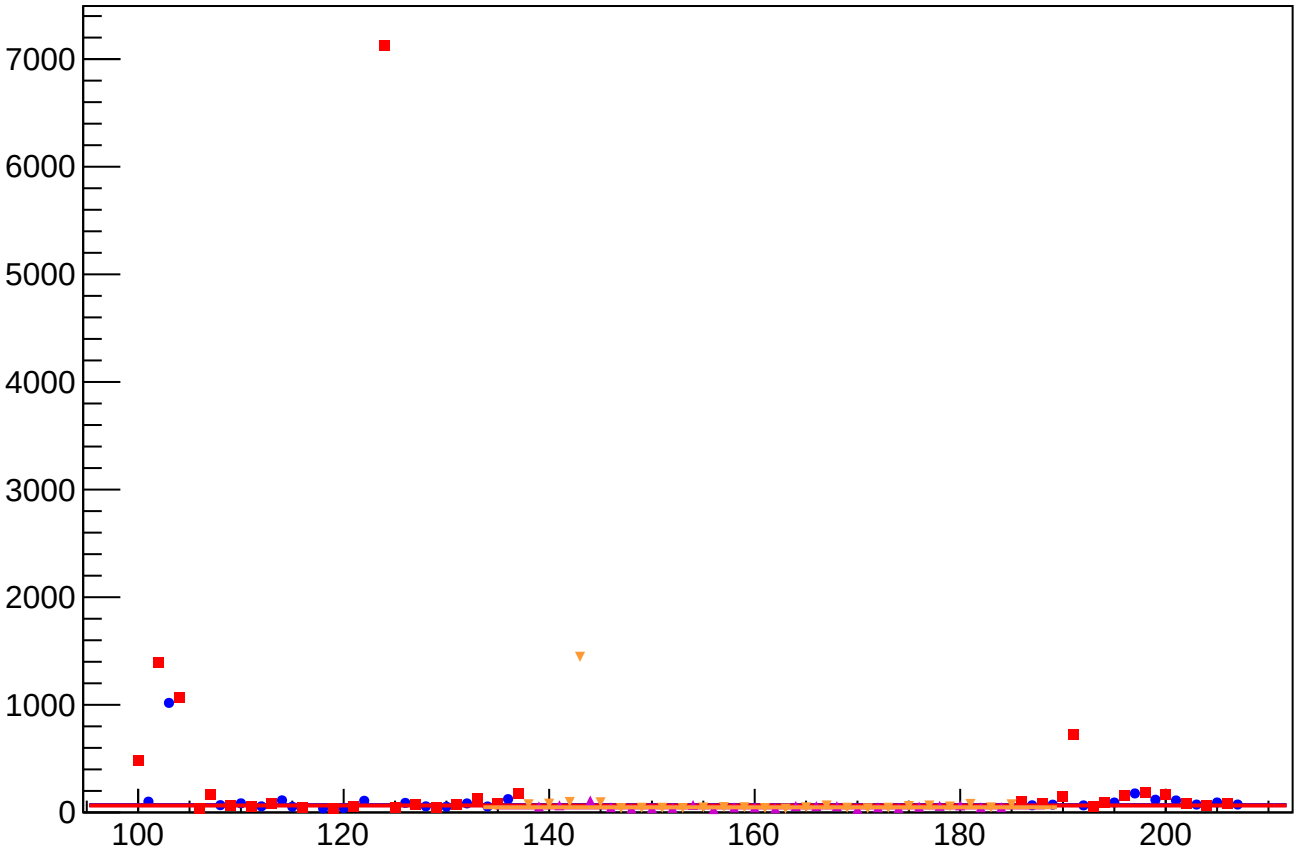
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.016+/-0.015 χ^2/NDF: 53.4/56

In: -0.005+/-0.011 χ^2/NDF:46.9/48

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.008 χ^2/NDF: 107.5/104



Right In: 68.385+/-0.015 χ^2/NDF: 3883286.5/25

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

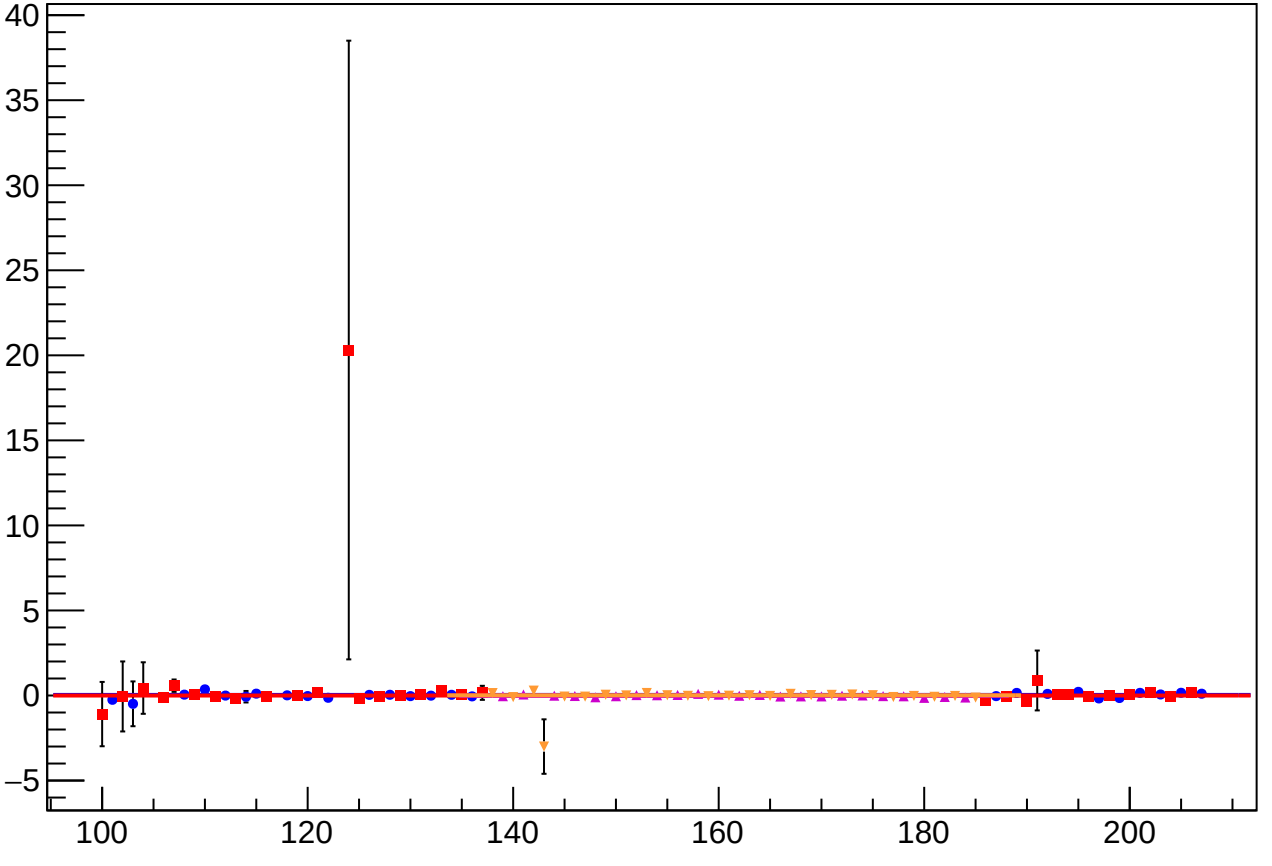
Right: 66.520+/-0.010 χ^2/NDF: 10136639.4/56

In: 52.171+/-0.008 χ^2/NDF:7381963.1/48

Out: 52.461+/-0.008 χ^2/NDF:10715388.9/55

All: 52.316+/-0.005 χ^2/NDF: 18098096.0/104

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.034+/-0.021 χ^2/NDF: 22.1/25

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

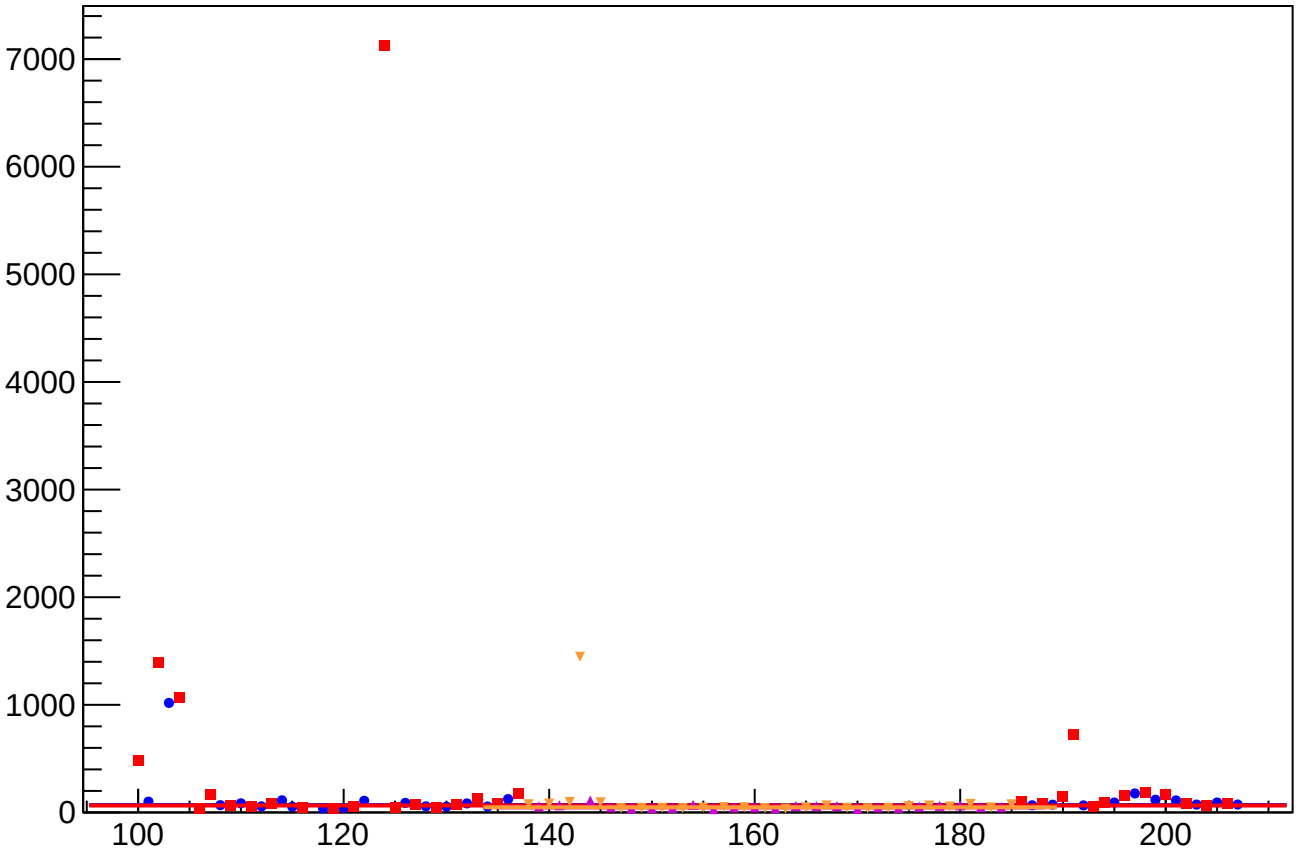
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.016+/-0.015 χ^2/NDF: 53.4/56

In: -0.005+/-0.011 χ^2/NDF:46.9/48

Out: 0.008+/-0.011 χ^2/NDF:59.8/55

All: 0.001+/-0.008 χ^2/NDF: 107.5/104



Right In: 68.385+/-0.015 χ^2/NDF: 3883286.5/25

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

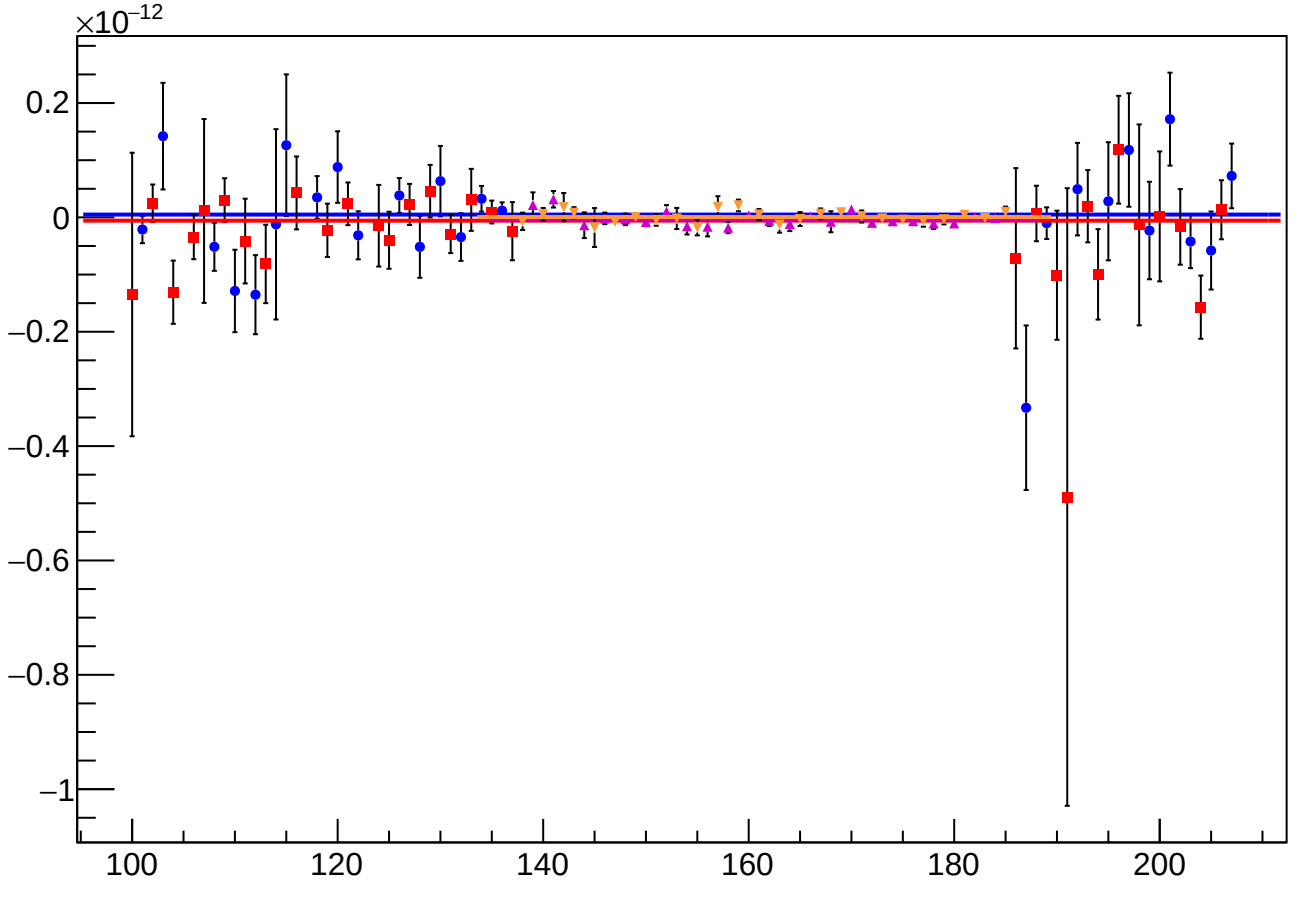
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.520+/-0.010 χ^2/NDF: 10136639.4/56

In: 52.171+/-0.008 χ^2/NDF:7381963.1/48

Out: 52.461+/-0.008 χ^2/NDF:10715388.9/55

All: 52.316+/-0.005 χ^2/NDF: 18098096.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 37.7/25

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

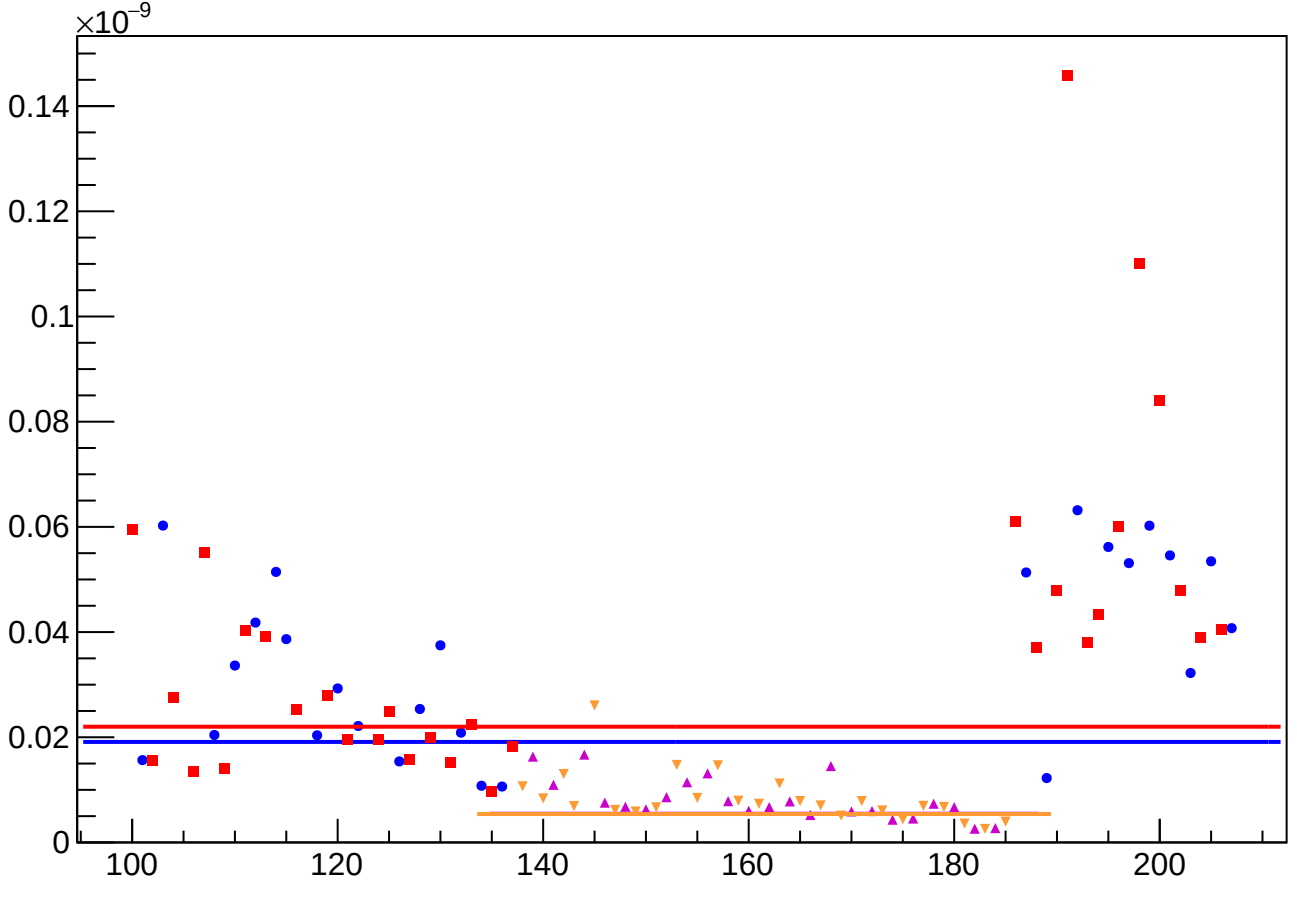
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: 0.000+/-0.000 χ^2/NDF: 65.7/56

In: -0.000+/-0.000 χ^2/NDF:60.3/48

Out: 0.000+/-0.000 χ^2/NDF:42.8/55

All: -0.000+/-0.000 χ^2/NDF: 104.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 5216061.0/25

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

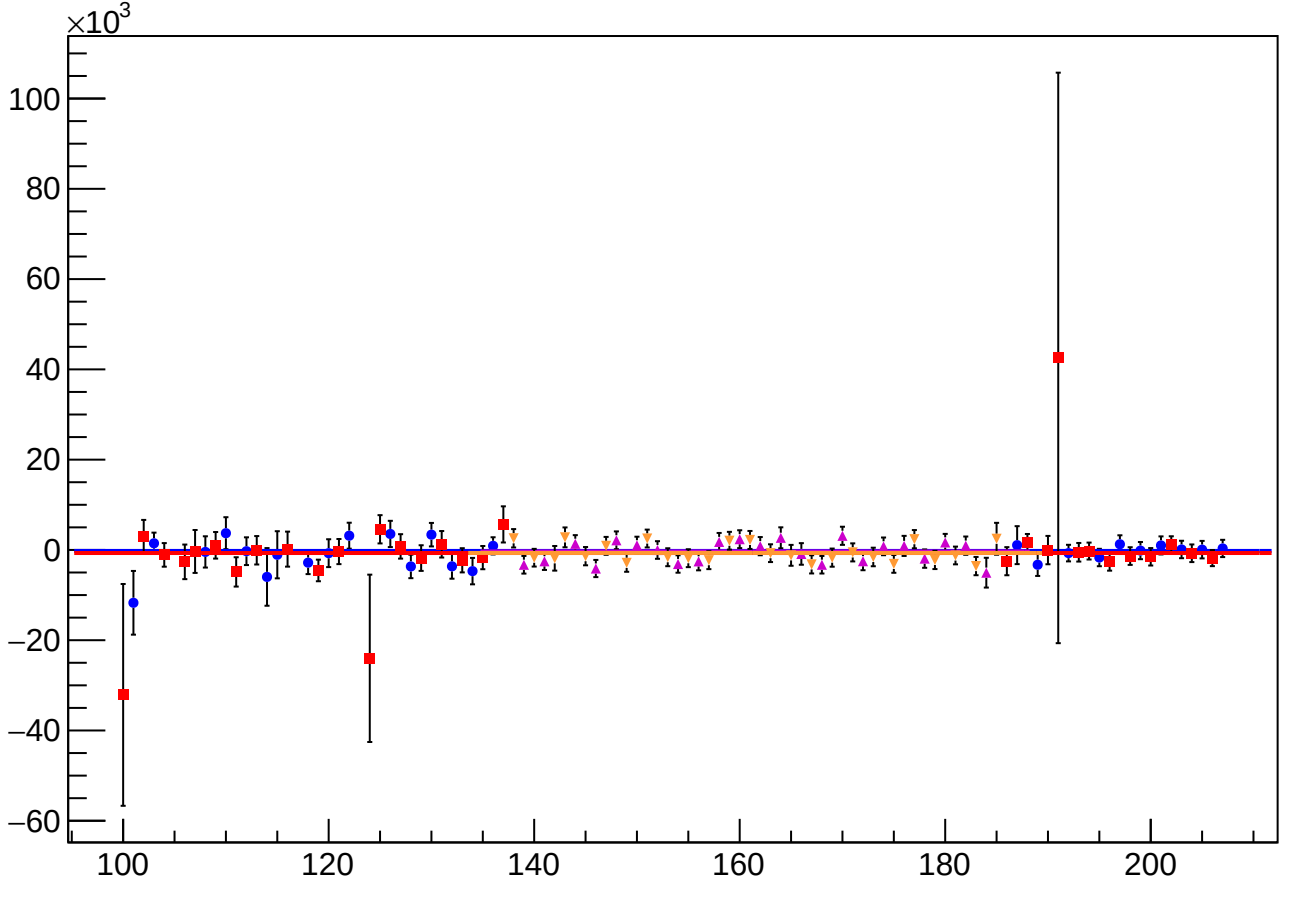
Right: 0.000+/-0.000 χ^2/NDF: 9945127.1/56

In: 0.000+/-0.000 χ^2/NDF:15921202.4/48

Out: 0.000+/-0.000 χ^2/NDF:16430771.9/55

All: 0.000+/-0.000 χ^2/NDF: 32358356.8/104

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -222.324+/-486.585 χ^2/NDF: 20.6/25

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

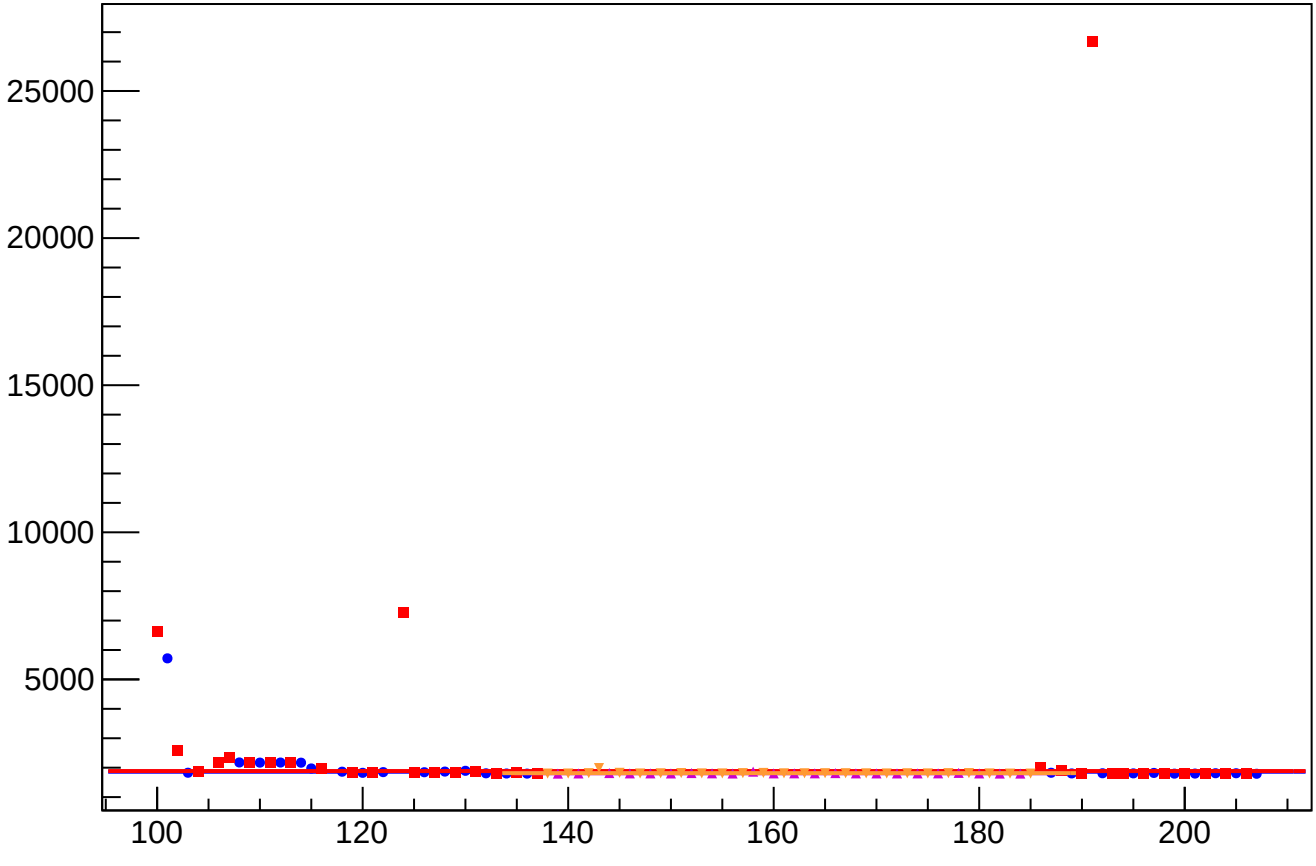
Right: -460.098+/-339.150 χ^2/NDF: 41.8/56

In: -291.066+/-319.112 χ^2/NDF:50.7/48

Out: -676.390+/-310.750 χ^2/NDF:45.5/55

All: -488.843+/-222.631 χ^2/NDF: 96.9/104

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1862.576+/-0.344 χ^2/NDF: 674087.3/25

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

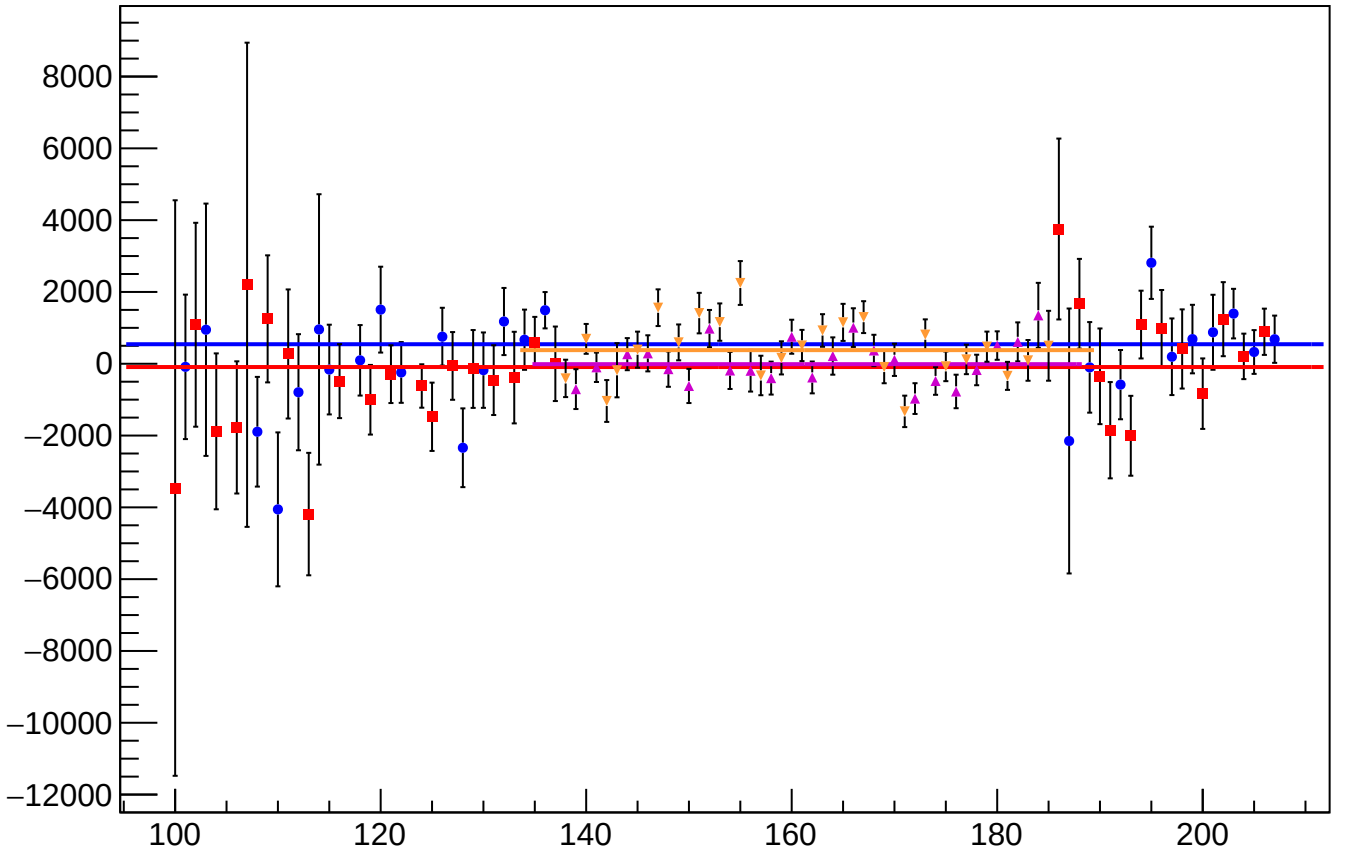
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1874.100+/-0.240 χ^2/NDF: 1423241.9/56

In: 1832.874+/-0.226 χ^2/NDF:689131.3/48

Out: 1844.891+/-0.220 χ^2/NDF:785367.9/55

All: 1839.042+/-0.157 χ^2/NDF: 1475955.0/10



Right In: 543.903+/-189.956 χ^2/NDF: 30.6/25

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

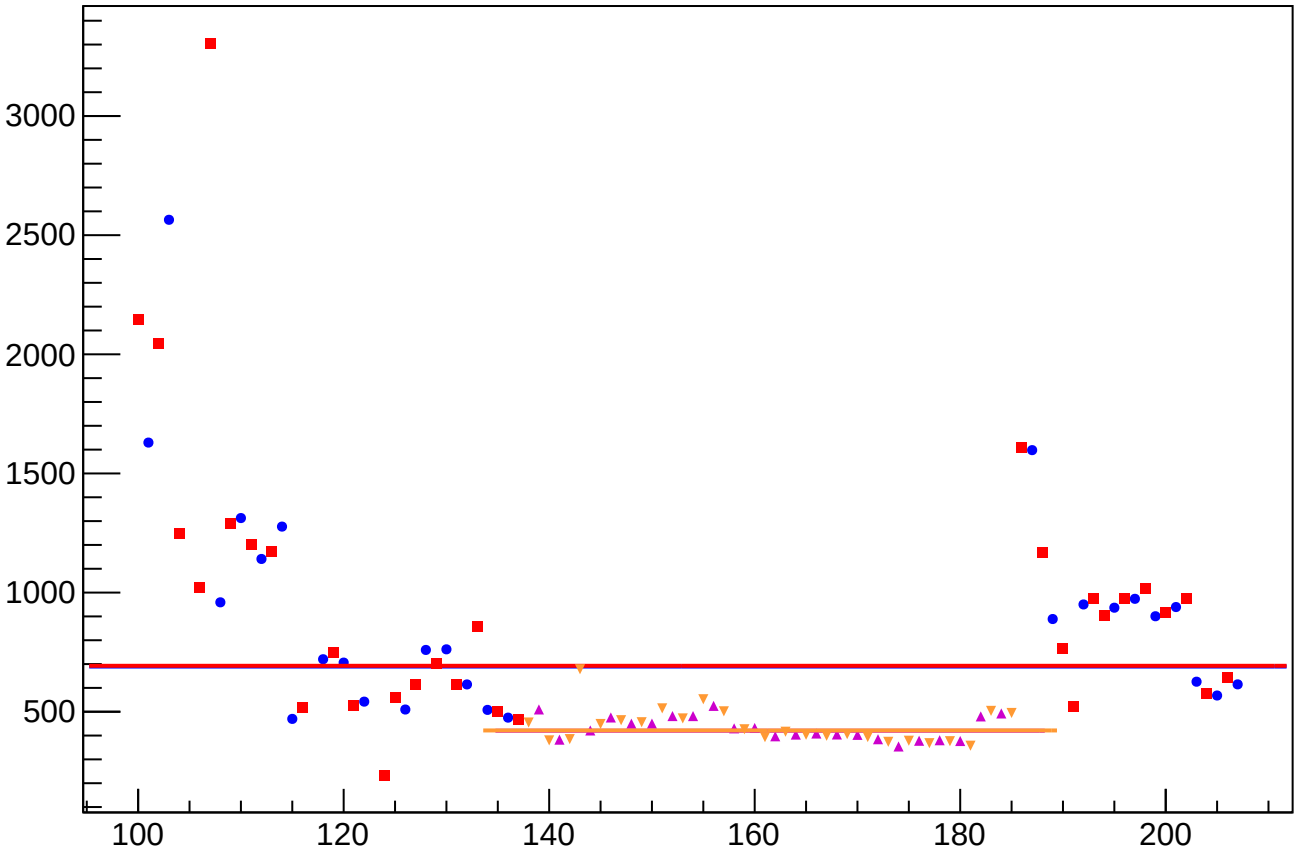
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 224.356+/-133.921 χ^2/NDF: 66.3/56

In: 107.068+/-87.776 χ^2/NDF:68.4/48

Out: 281.044+/-86.292 χ^2/NDF:97.3/55

All: 195.539+/-61.535 χ^2/NDF: 167.7/104



Right In: 689.659+/-0.134 χ^2/NDF: 3064632.6/25

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

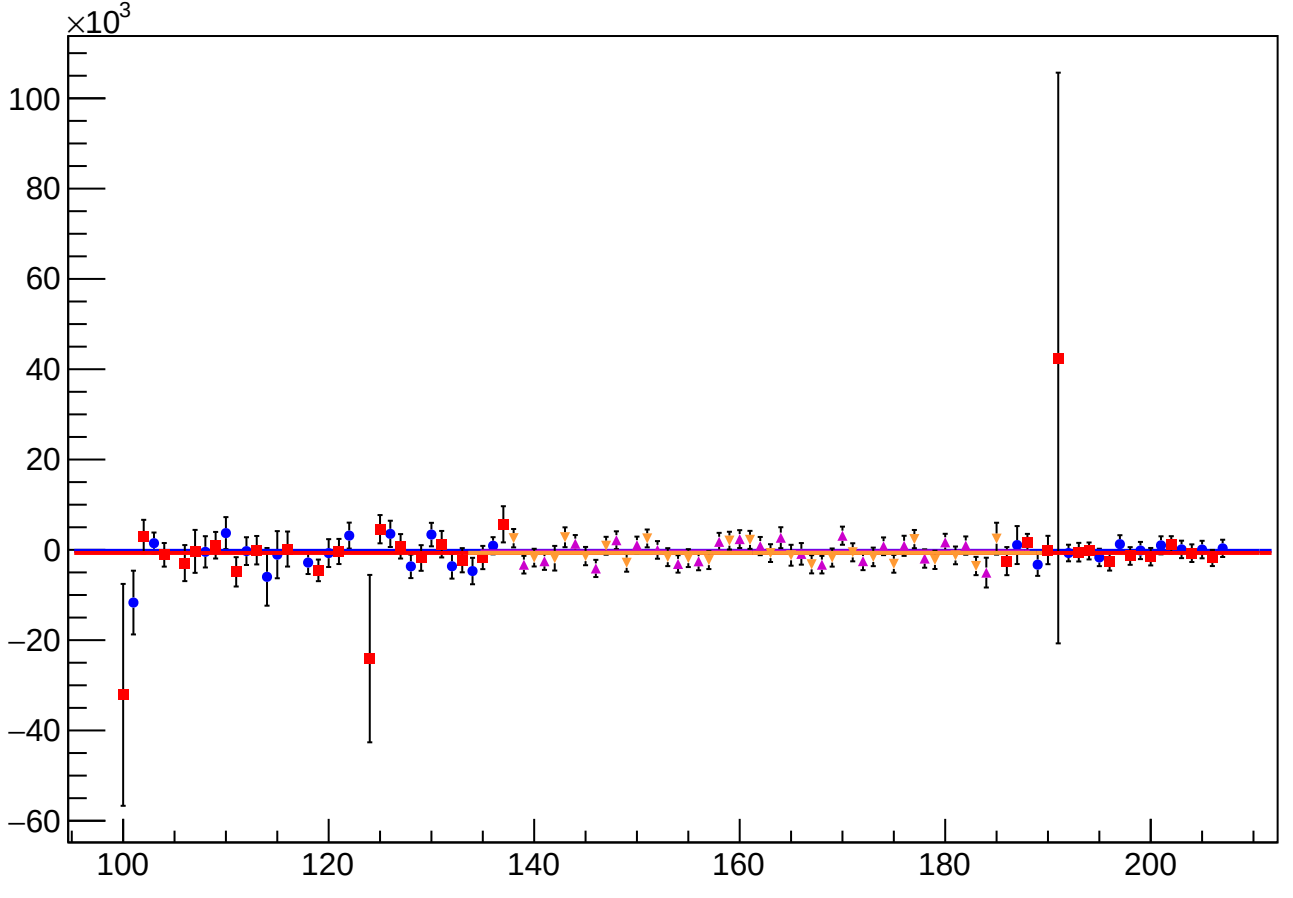
Right: 691.195+/-0.095 χ^2/NDF: 7739751.9/56

In: 477.753+/-0.062 χ^2/NDF:6642406.4/48

Out: 478.068+/-0.061 χ^2/NDF:8683974.2/55

All: 477.913+/-0.044 χ^2/NDF: 15326393.8/10

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -221.958+/-486.585 χ^2/NDF: 20.6/25

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

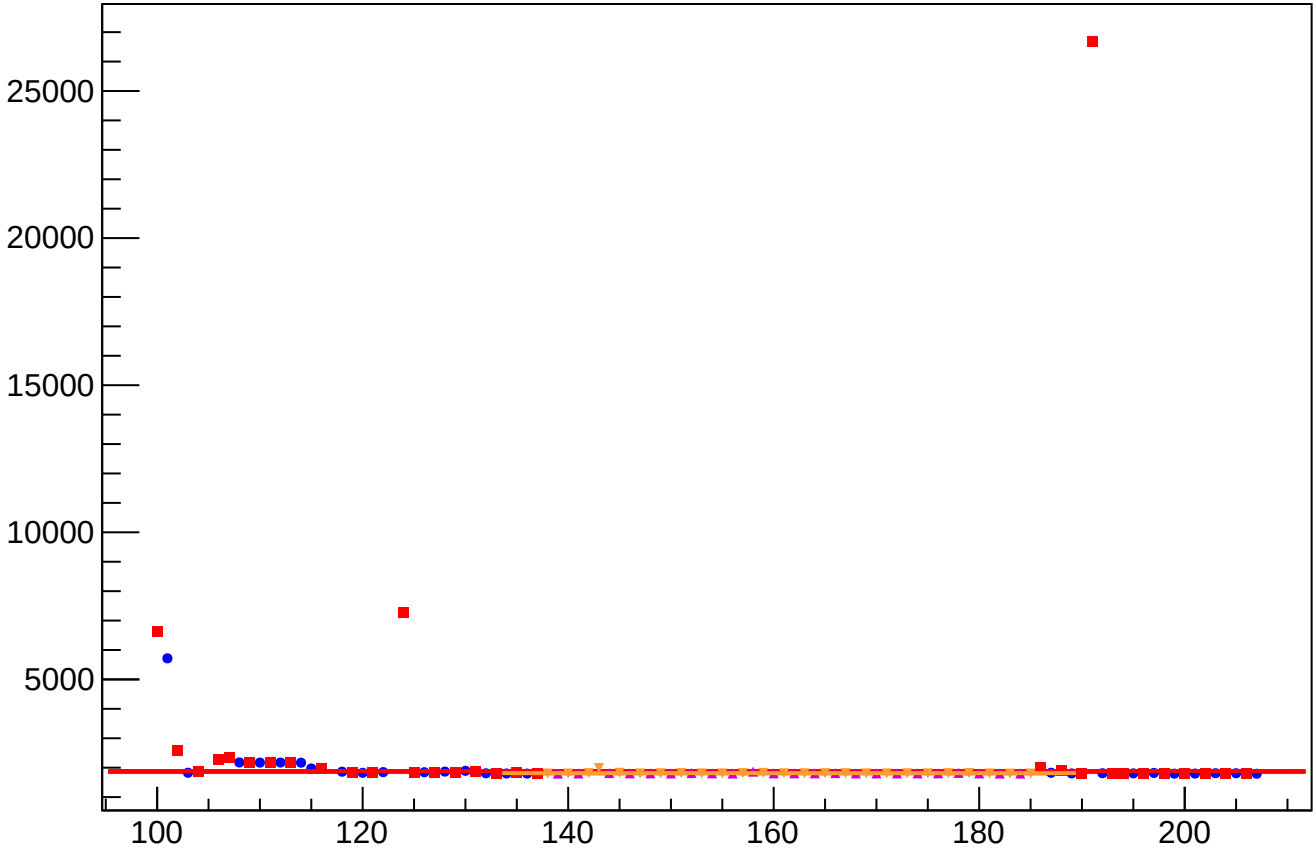
Right: -460.791+/-339.255 χ^2/NDF: 41.8/56

In: -290.934+/-319.112 χ^2/NDF:50.7/48

Out: -677.228+/-310.831 χ^2/NDF:45.5/55

All: -489.159+/-222.661 χ^2/NDF: 96.9/104

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1862.576+/-0.344 χ^2/NDF: 674087.2/25

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

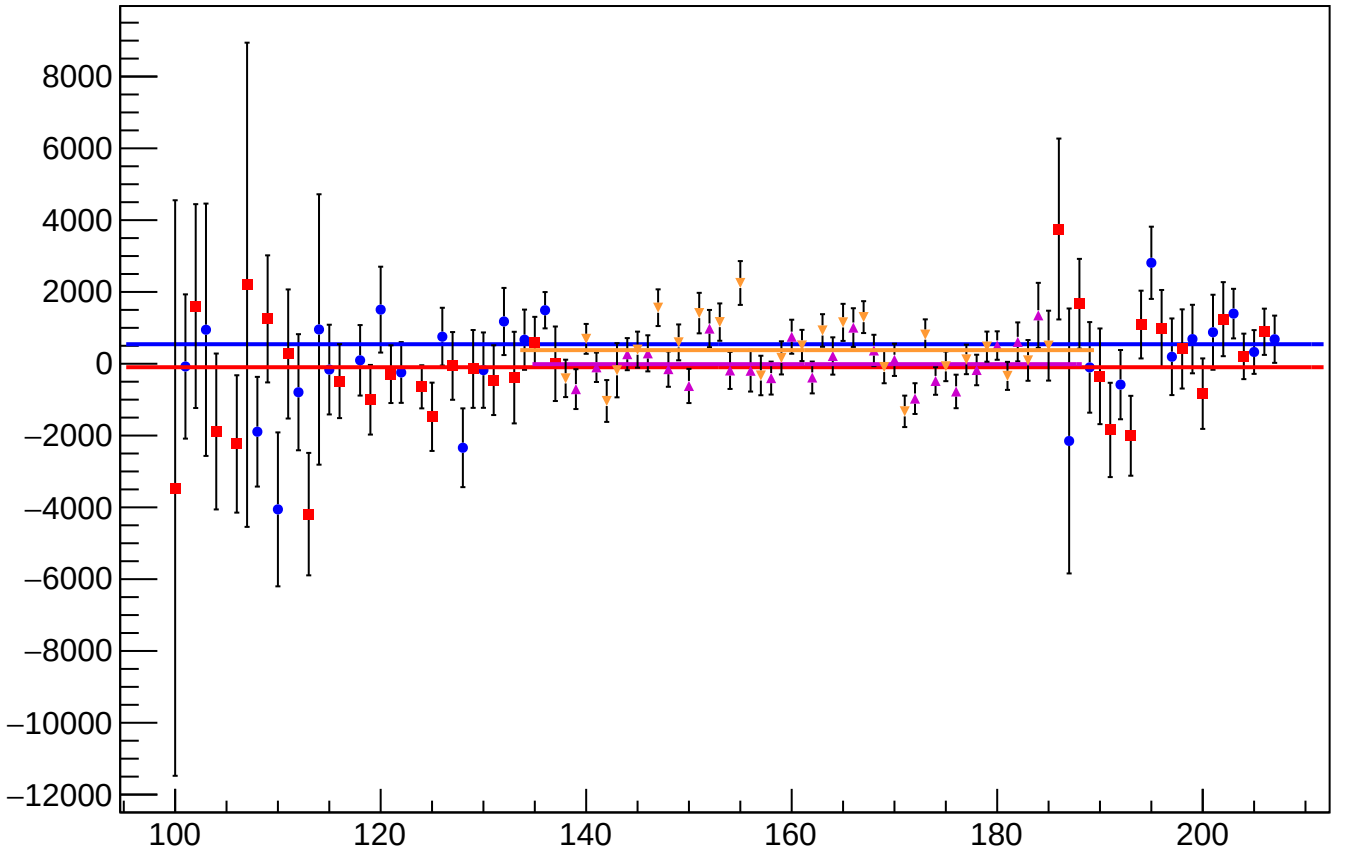
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1874.498+/-0.240 χ^2/NDF: 1429466.2/56

In: 1832.874+/-0.226 χ^2/NDF:689131.1/48

Out: 1845.210+/-0.220 χ^2/NDF:791987.7/55

All: 1839.204+/-0.157 χ^2/NDF: 1482652.5/10



Right In: 543.908+/-189.953 χ^2/NDF: 30.6/25

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

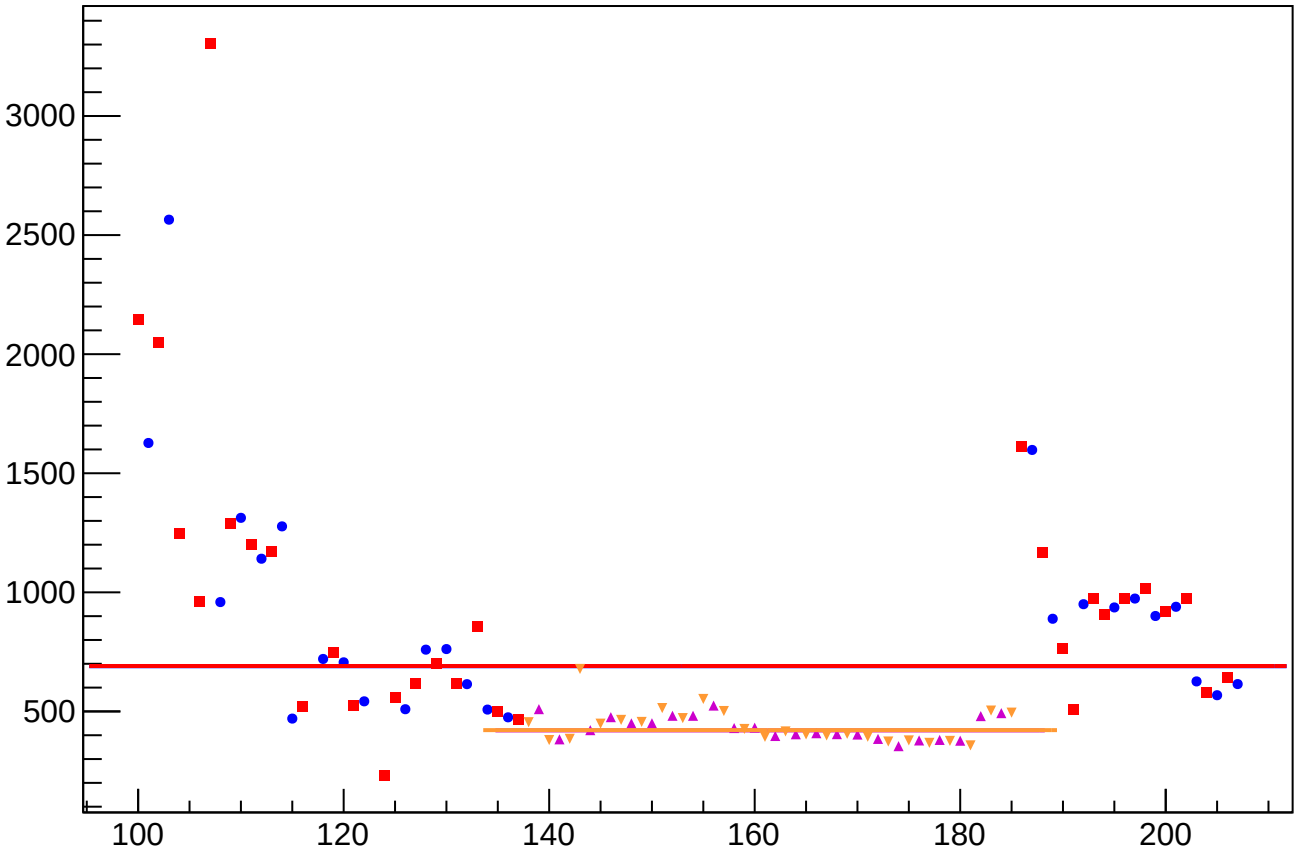
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 221.474+/-133.869 χ^2/NDF: 67.2/56

In: 107.062+/-87.775 χ^2/NDF:68.4/48

Out: 279.817+/-86.278 χ^2/NDF:98.2/55

All: 194.924+/-61.530 χ^2/NDF: 168.6/104



Right In: 689.658+/-0.134 χ^2/NDF: 3063800.5/25

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

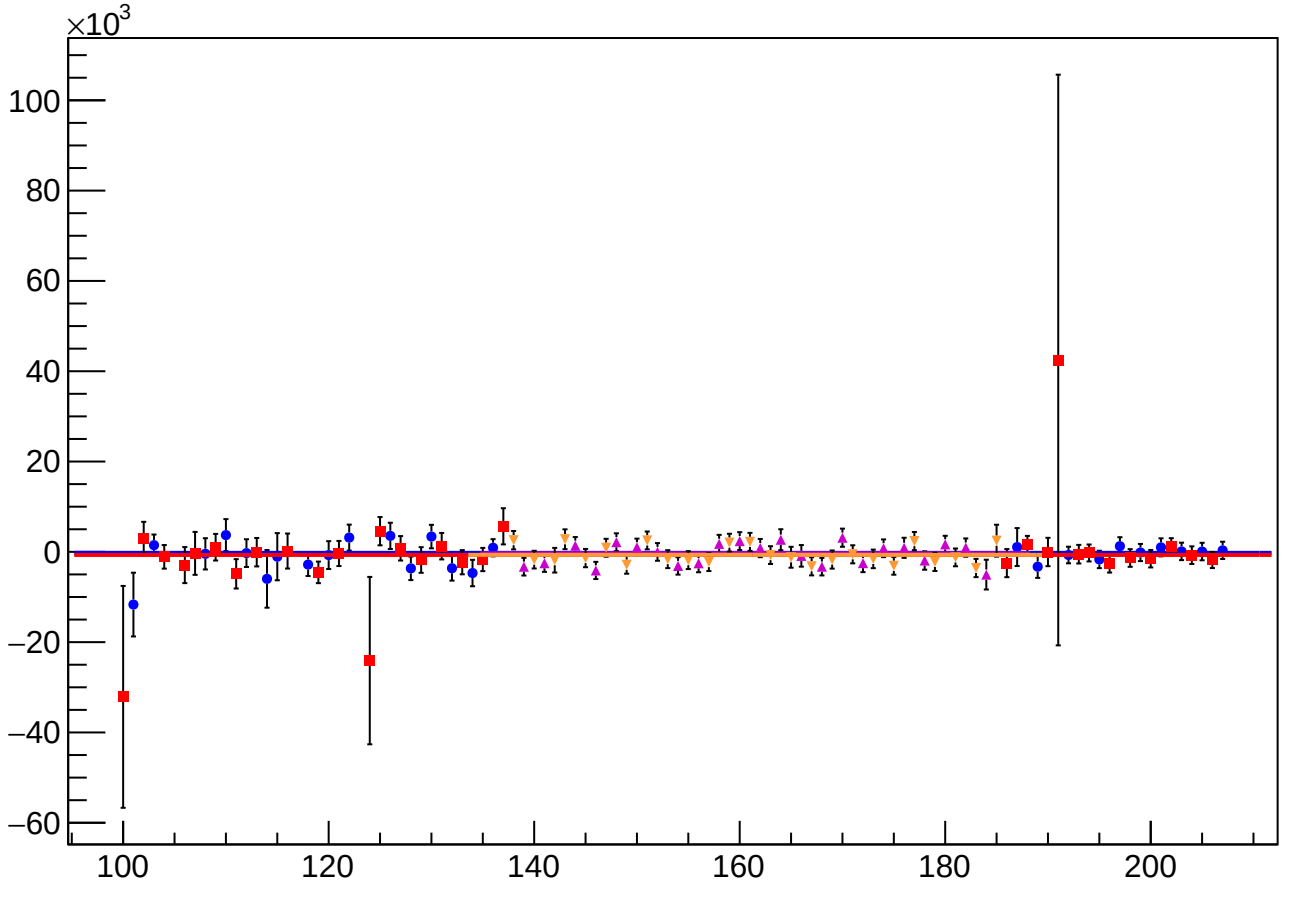
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 690.161+/-0.095 χ^2/NDF: 7749046.4/56

In: 477.750+/-0.062 χ^2/NDF:6641783.1/48

Out: 477.709+/-0.061 χ^2/NDF:8648710.2/55

All: 477.729+/-0.044 χ^2/NDF: 15290493.5/10



Right In: -221.958+/-486.585 χ^2/NDF: 20.6/25

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

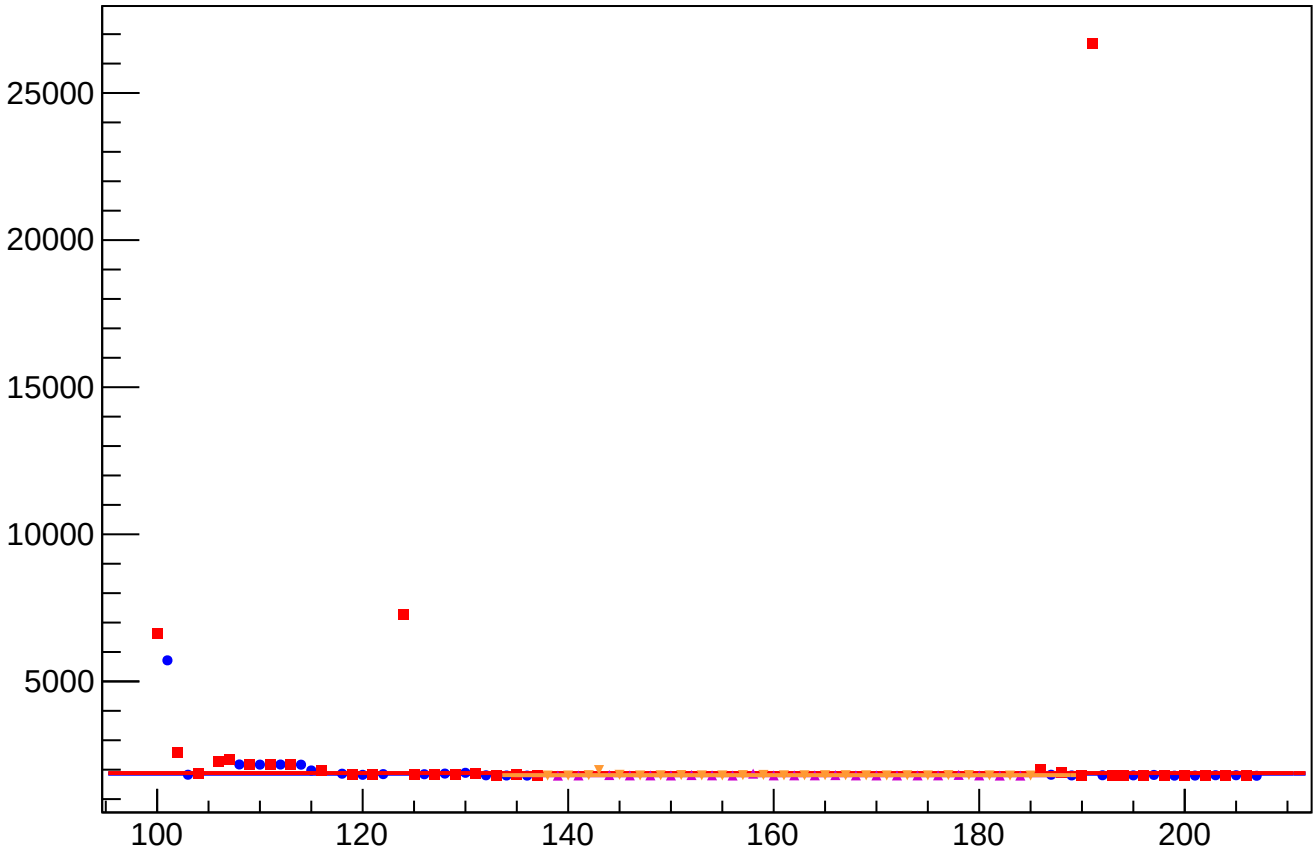
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -460.791+/-339.255 χ^2/NDF: 41.8/56

In: -290.934+/-319.112 χ^2/NDF:50.7/48

Out: -677.228+/-310.831 χ^2/NDF:45.5/55

All: -489.159+/-222.661 χ^2/NDF: 96.9/104



Right In: 1862.576+/-0.344 χ^2/NDF: 674087.2/25

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

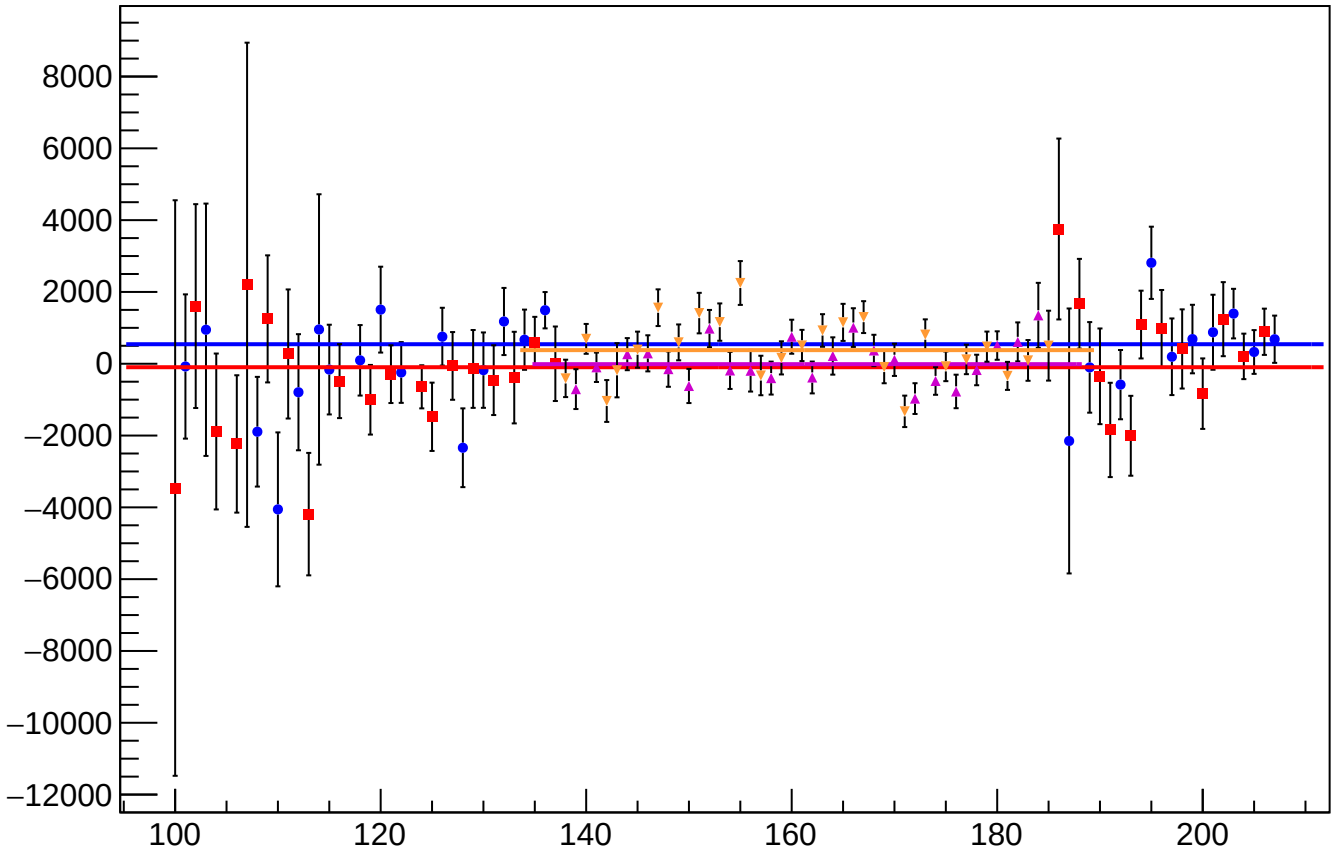
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1874.498+/-0.240 χ^2/NDF: 1429466.2/56

In: 1832.874+/-0.226 χ^2/NDF:689131.1/48

Out: 1845.210+/-0.220 χ^2/NDF:791987.7/55

All: 1839.204+/-0.157 χ^2/NDF: 1482652.5/10



Right In: 543.908+/-189.953 χ^2/NDF: 30.6/25

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

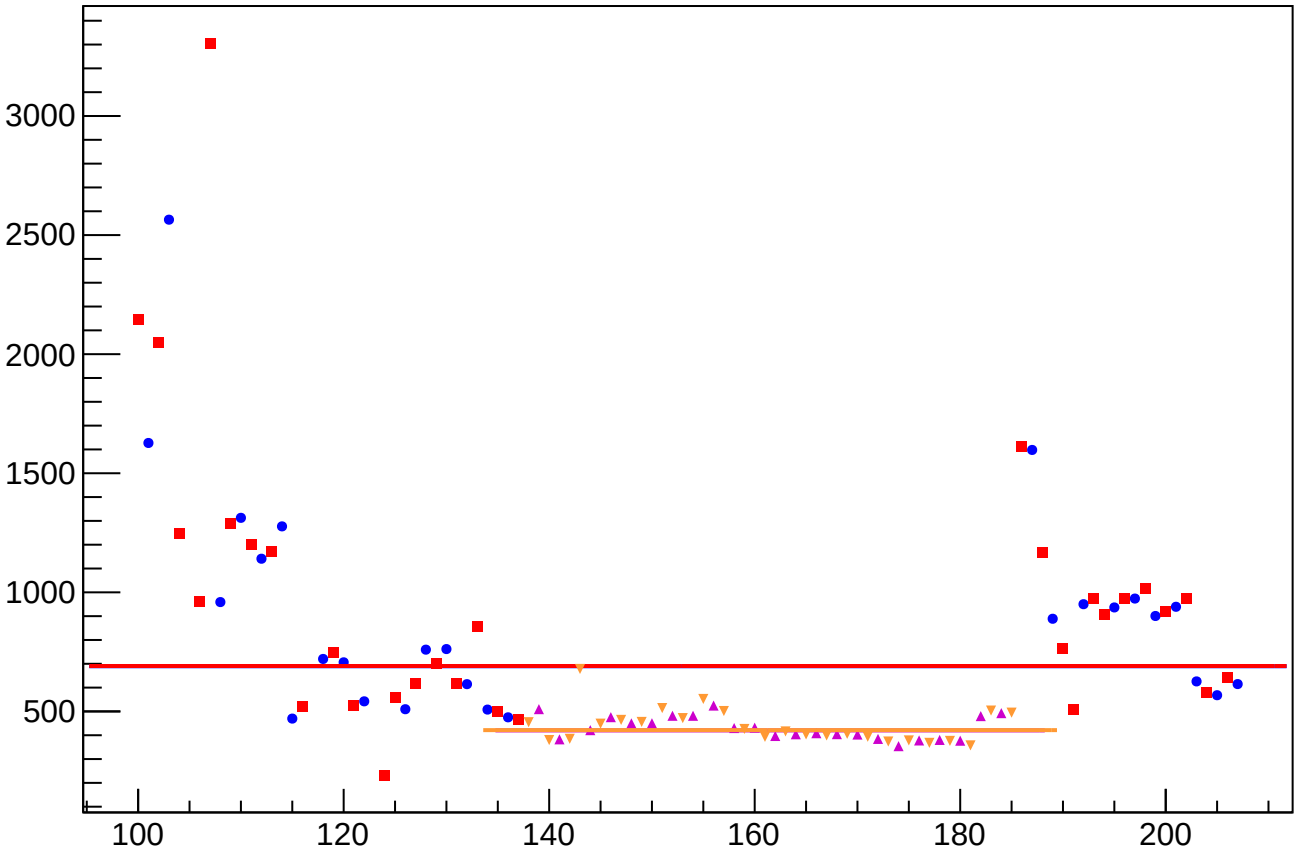
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 221.474+/-133.869 χ^2/NDF: 67.2/56

In: 107.062+/-87.775 χ^2/NDF:68.4/48

Out: 279.817+/-86.278 χ^2/NDF:98.2/55

All: 194.924+/-61.530 χ^2/NDF: 168.6/104



Right In: 689.658+/-0.134 χ^2/NDF: 3063800.5/25

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

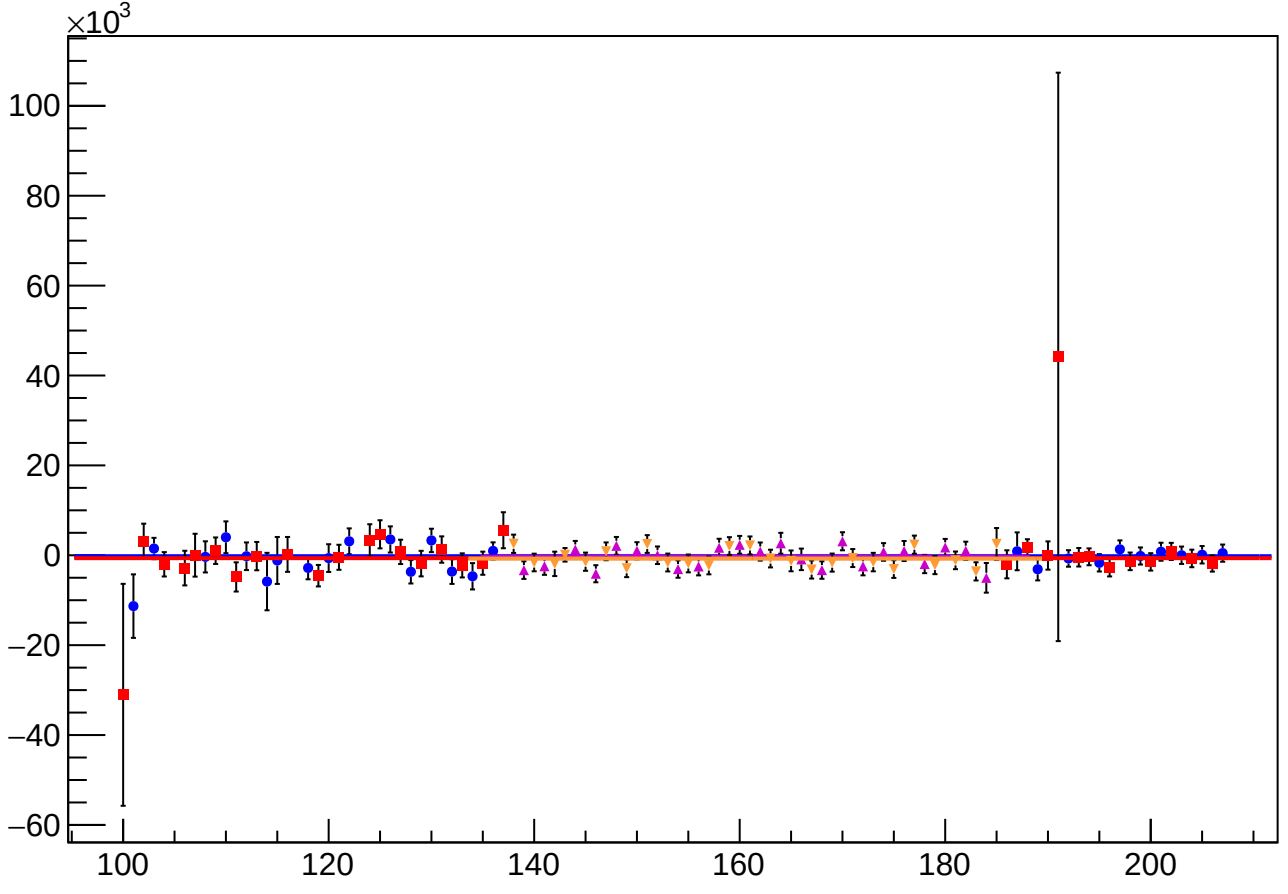
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 690.161+/-0.095 χ^2/NDF: 7749046.4/56

In: 477.750+/-0.062 χ^2/NDF:6641783.1/48

Out: 477.709+/-0.061 χ^2/NDF:8648710.2/55

All: 477.729+/-0.044 χ^2/NDF: 15290493.5/10



Right In: -207.015+/-487.124 χ^2/NDF: 20.2/25

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

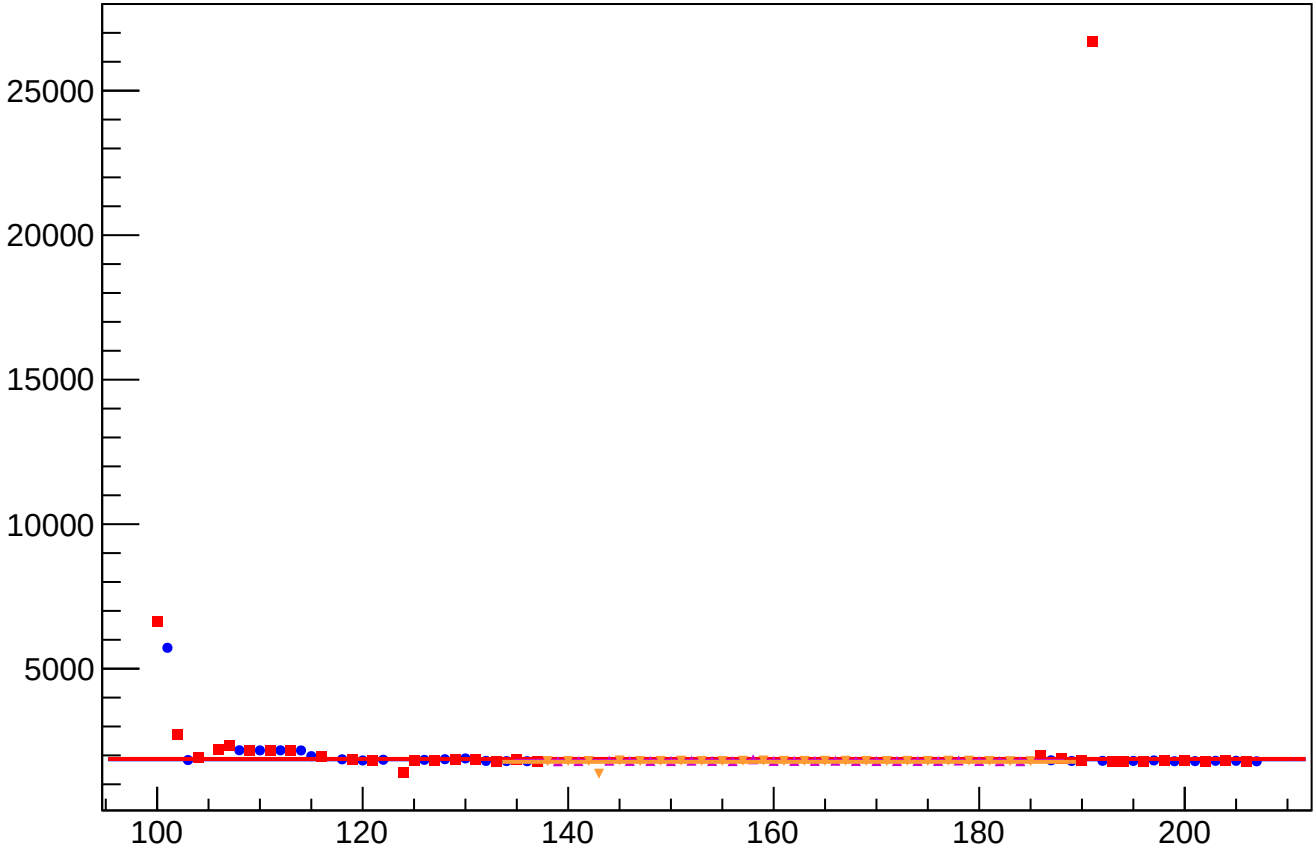
Right: -432.530+/-338.443 χ^2/NDF: 40.8/56

In: -283.550+/-319.327 χ^2/NDF:49.9/48

Out: -689.882+/-306.711 χ^2/NDF:42.4/55

All: -494.902+/-221.203 χ^2/NDF: 93.1/104

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1864.514+/-0.344 χ^2/NDF: 673790.1/25

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

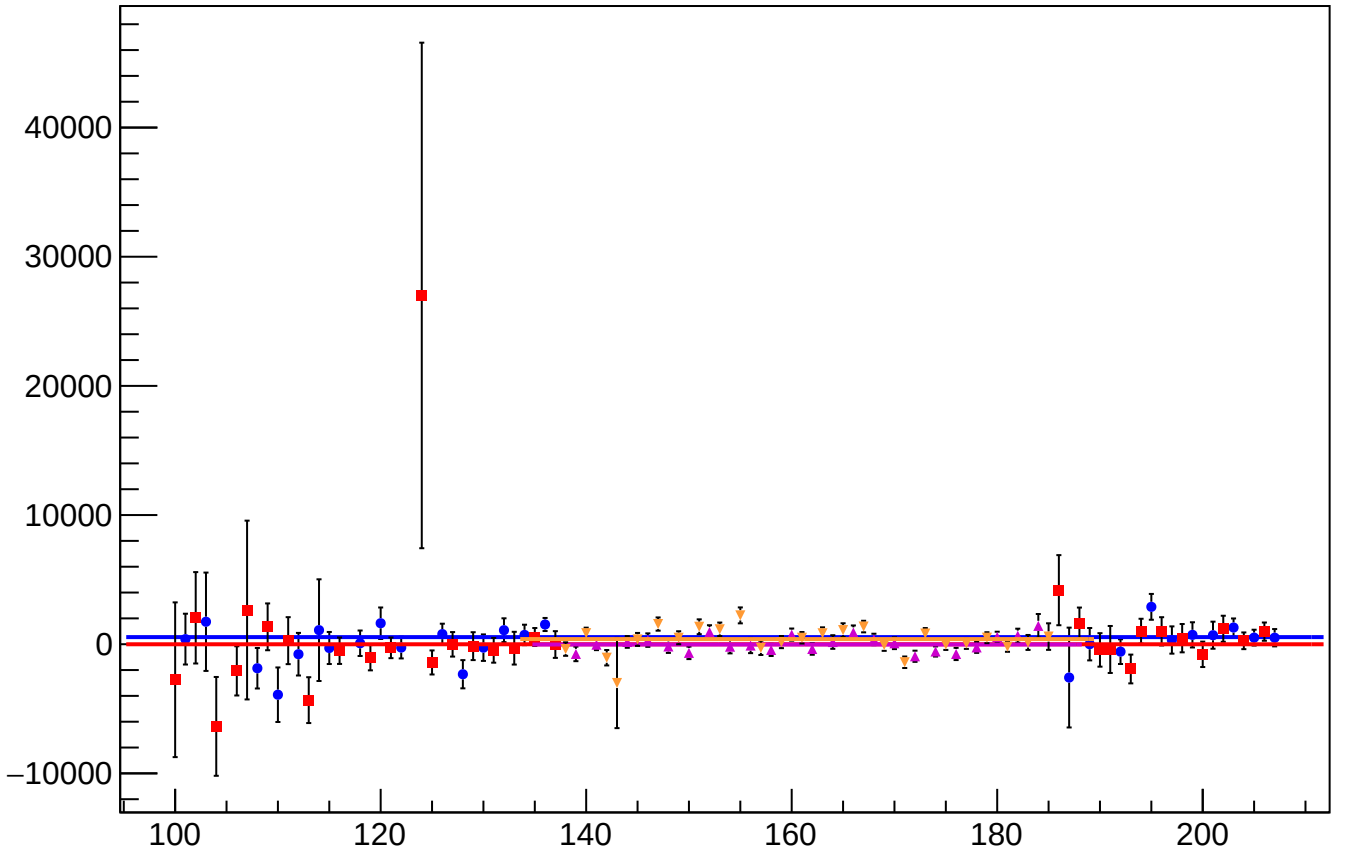
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1871.015+/-0.239 χ^2/NDF: 1304525.7/56

In: 1834.044+/-0.226 χ^2/NDF:689477.1/48

Out: 1819.357+/-0.217 χ^2/NDF:843667.4/55

All: 1826.405+/-0.156 χ^2/NDF: 1535345.1/10



Right In: 549.932+/-189.881 χ^2/NDF: 30.7/25

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

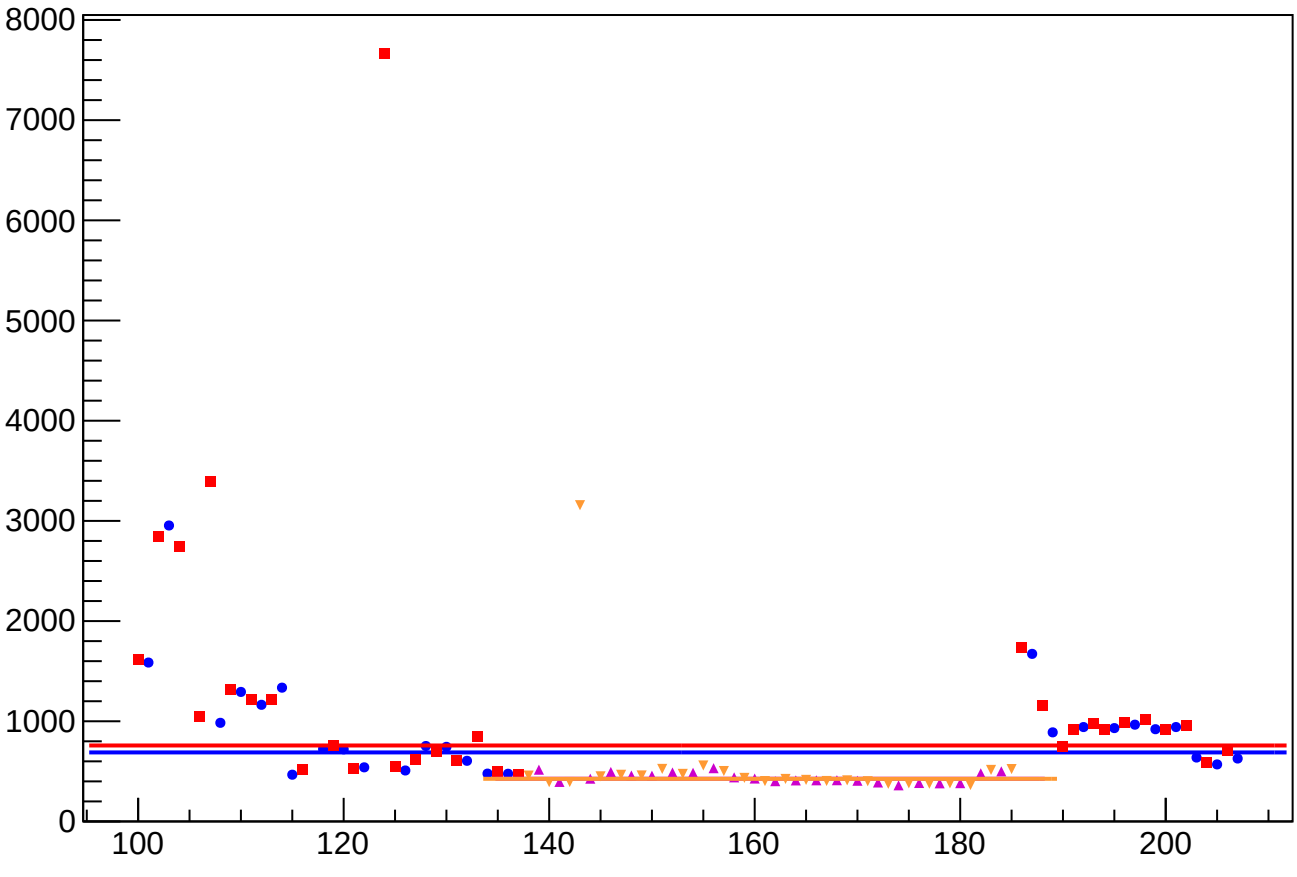
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 290.236+/-138.435 χ^2/NDF: 65.9/56

In: 103.127+/-88.663 χ^2/NDF:68.6/48

Out: 320.229+/-89.039 χ^2/NDF:94.9/55

All: 211.218+/-62.827 χ^2/NDF: 166.5/104



Right In: 689.045+/-0.134 χ^2/NDF: 3245338.1/25

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

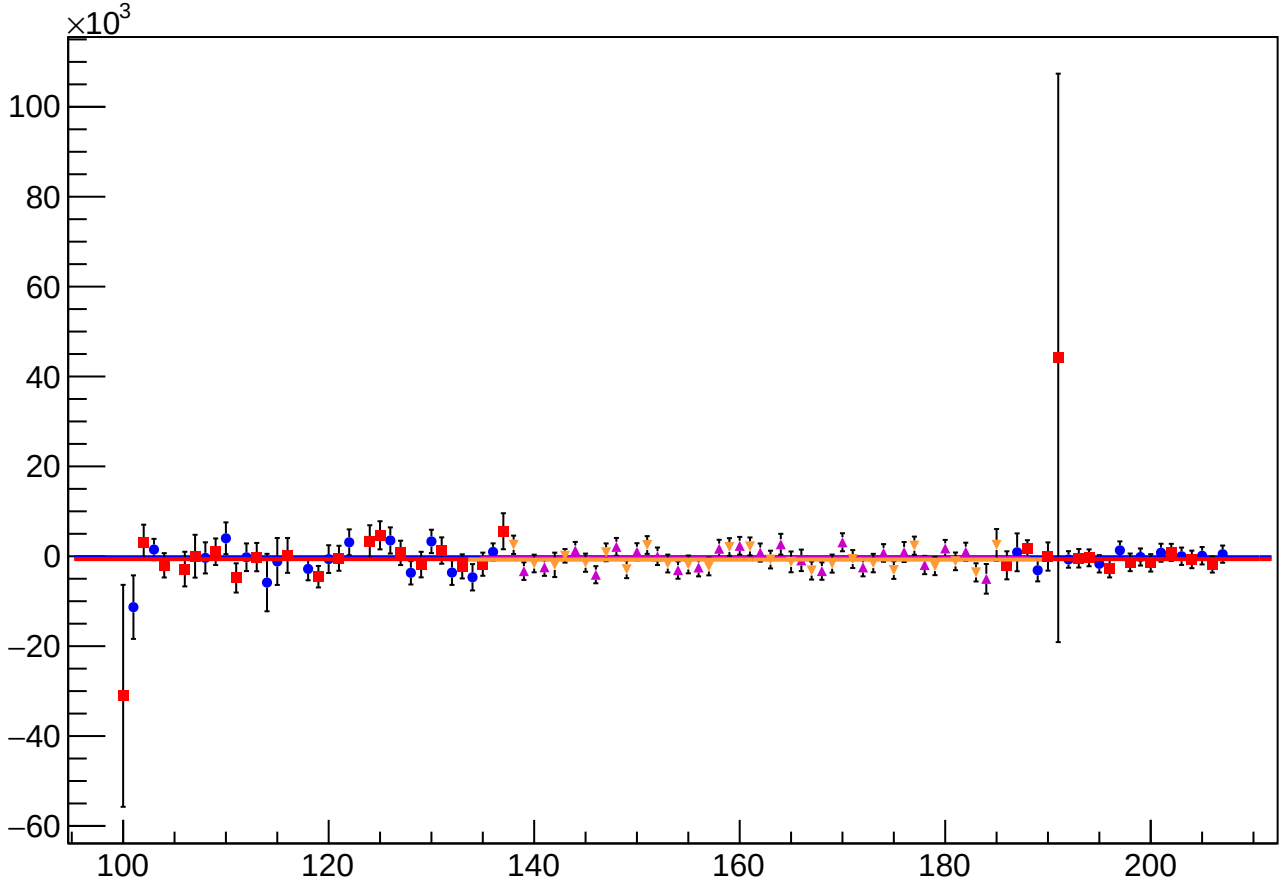
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 721.516+/-0.098 χ^2/NDF: 7696735.8/56

In: 483.465+/-0.063 χ^2/NDF:6658822.8/48

Out: 490.166+/-0.063 χ^2/NDF:10406512.9/55

All: 486.801+/-0.044 χ^2/NDF: 17071023.0/10



Right In: -207.016+/-487.124 χ^2/NDF: 20.2/25

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

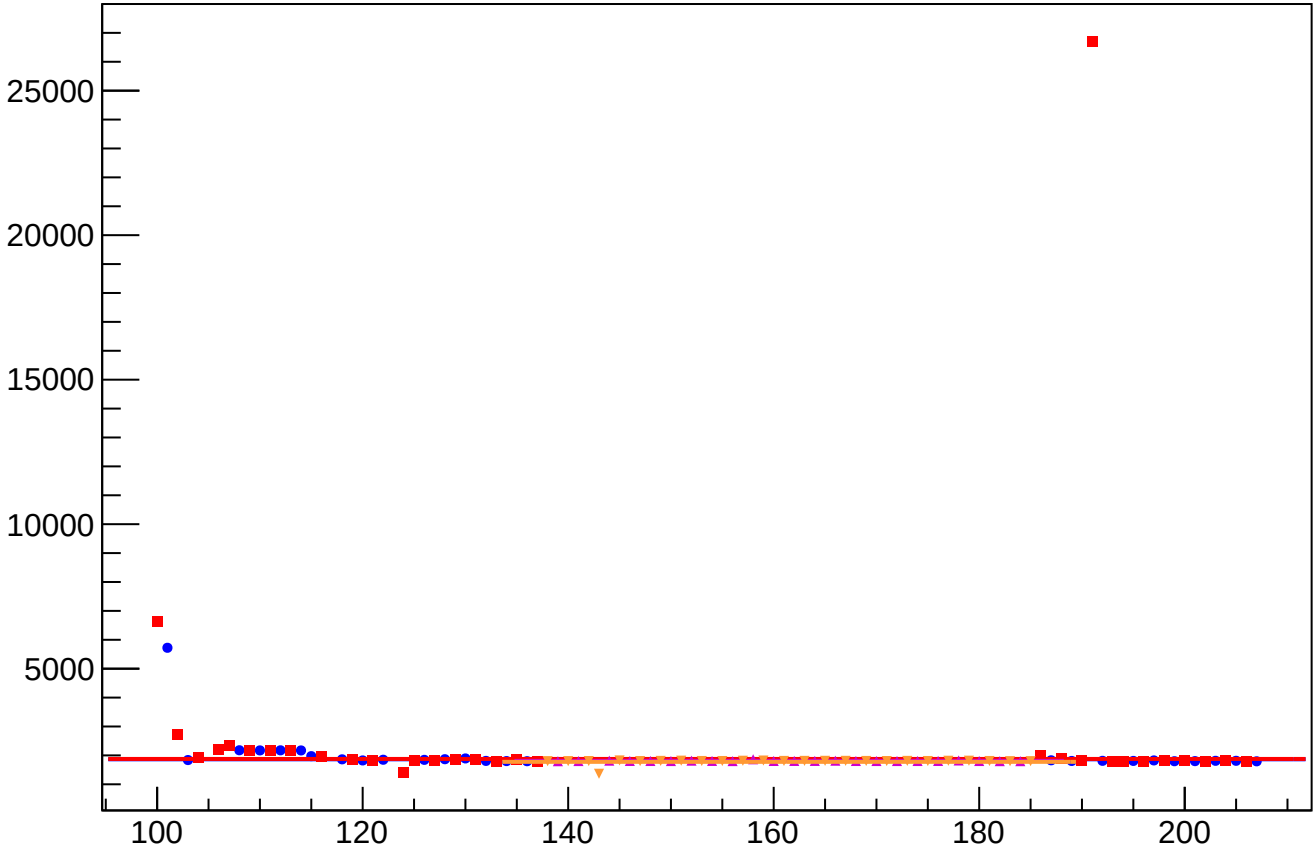
Right: -432.530+/-338.443 χ^2/NDF: 40.8/56

In: -283.551+/-319.327 χ^2/NDF:49.9/48

Out: -689.882+/-306.711 χ^2/NDF:42.4/55

All: -494.902+/-221.203 χ^2/NDF: 93.1/104

eigen_dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1864.514+/-0.344 χ^2/NDF: 673790.1/25

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

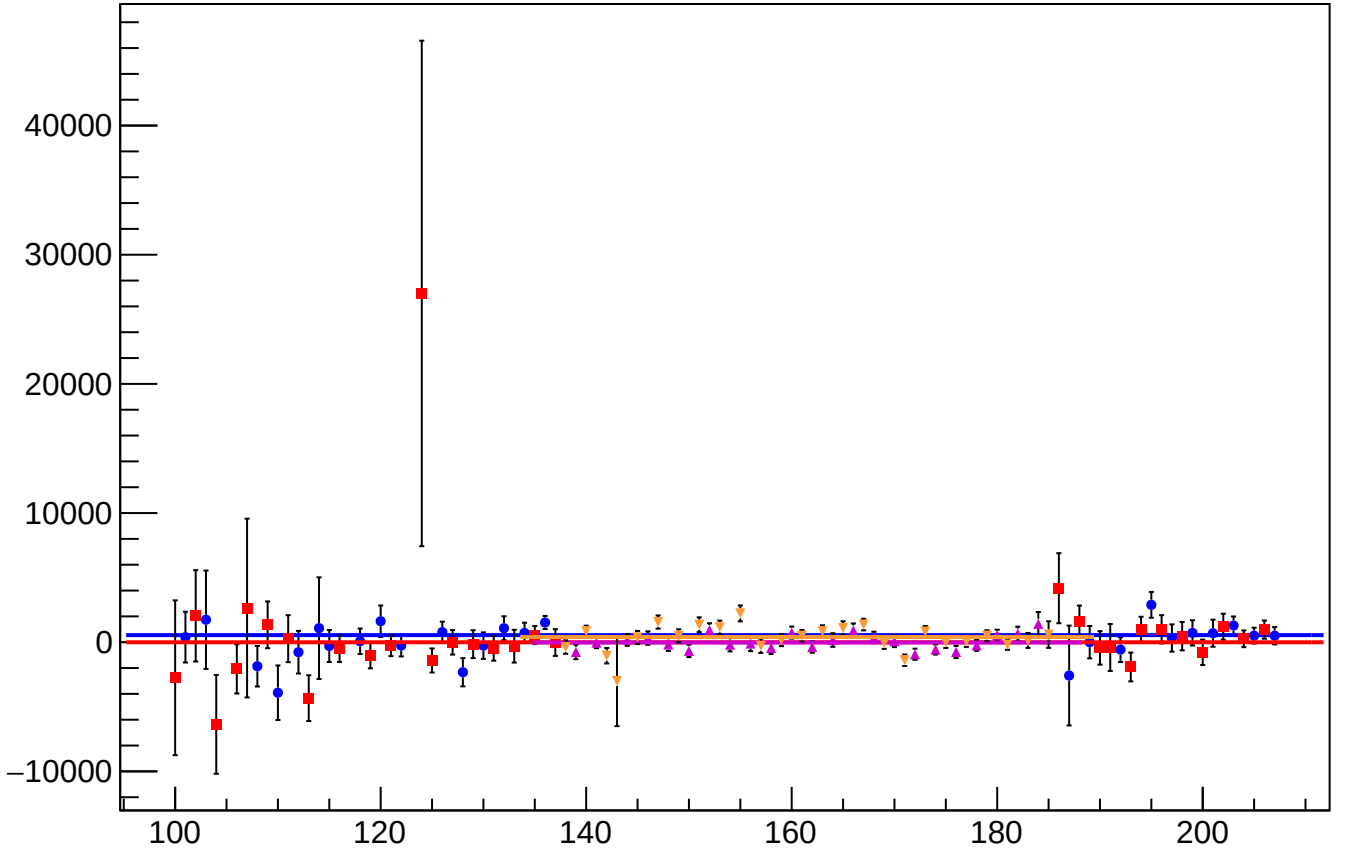
Right: 1871.015+/-0.239 χ^2/NDF: 1304525.6/56

In: 1834.044+/-0.226 χ^2/NDF:689477.1/48

Out: 1819.357+/-0.217 χ^2/NDF:843667.2/55

All: 1826.405+/-0.156 χ^2/NDF: 1535344.8/10

asym_at1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 549.931+/-189.881 χ^2/NDF: 30.7/25

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

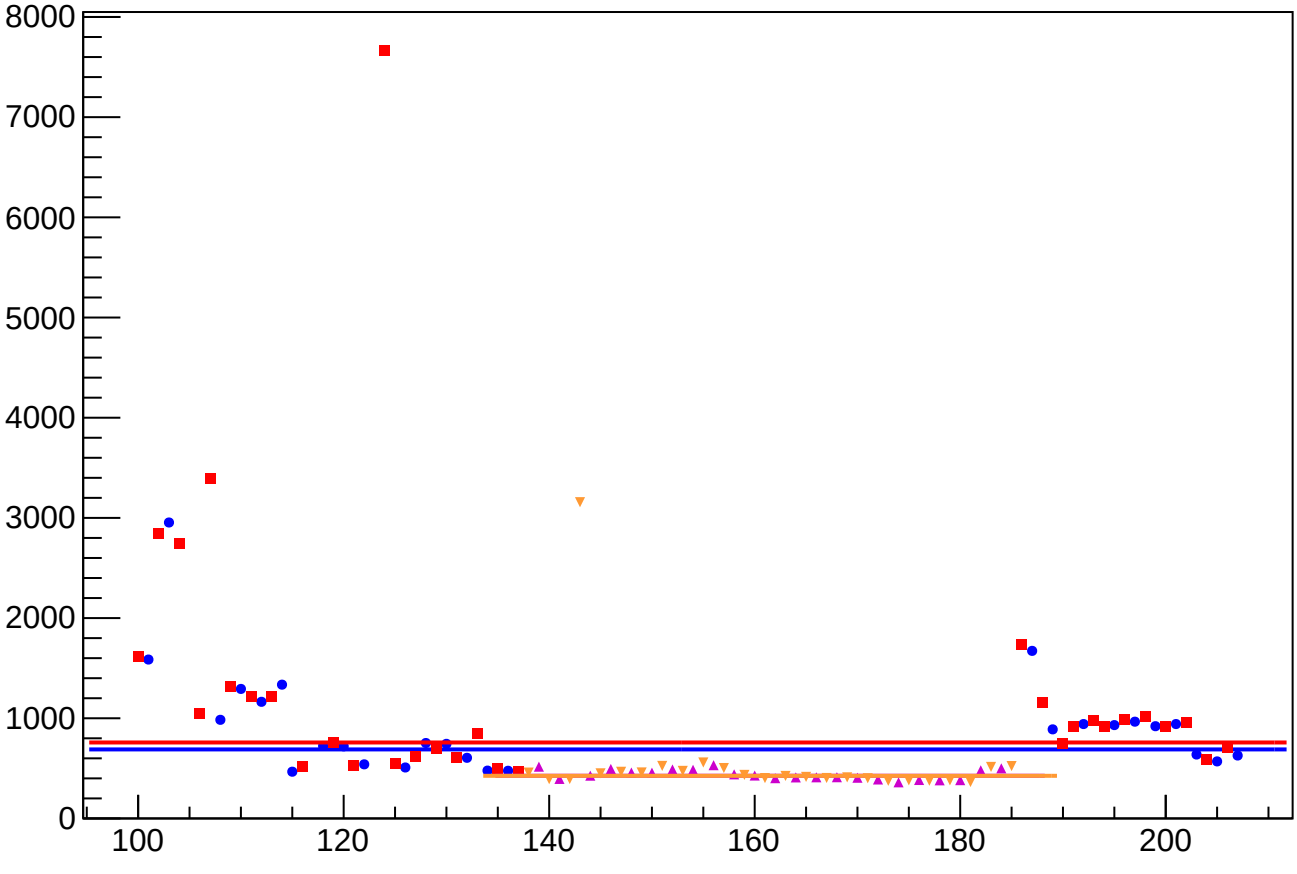
Right: 290.235+/-138.435 χ^2/NDF: 65.9/56

In: 103.127+/-88.663 χ^2/NDF:68.6/48

Out: 320.228+/-89.039 χ^2/NDF:94.9/55

All: 211.218+/-62.826 χ^2/NDF: 166.5/104

asym_at1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 689.045+/-0.134 χ^2/NDF: 3245338.0/25

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

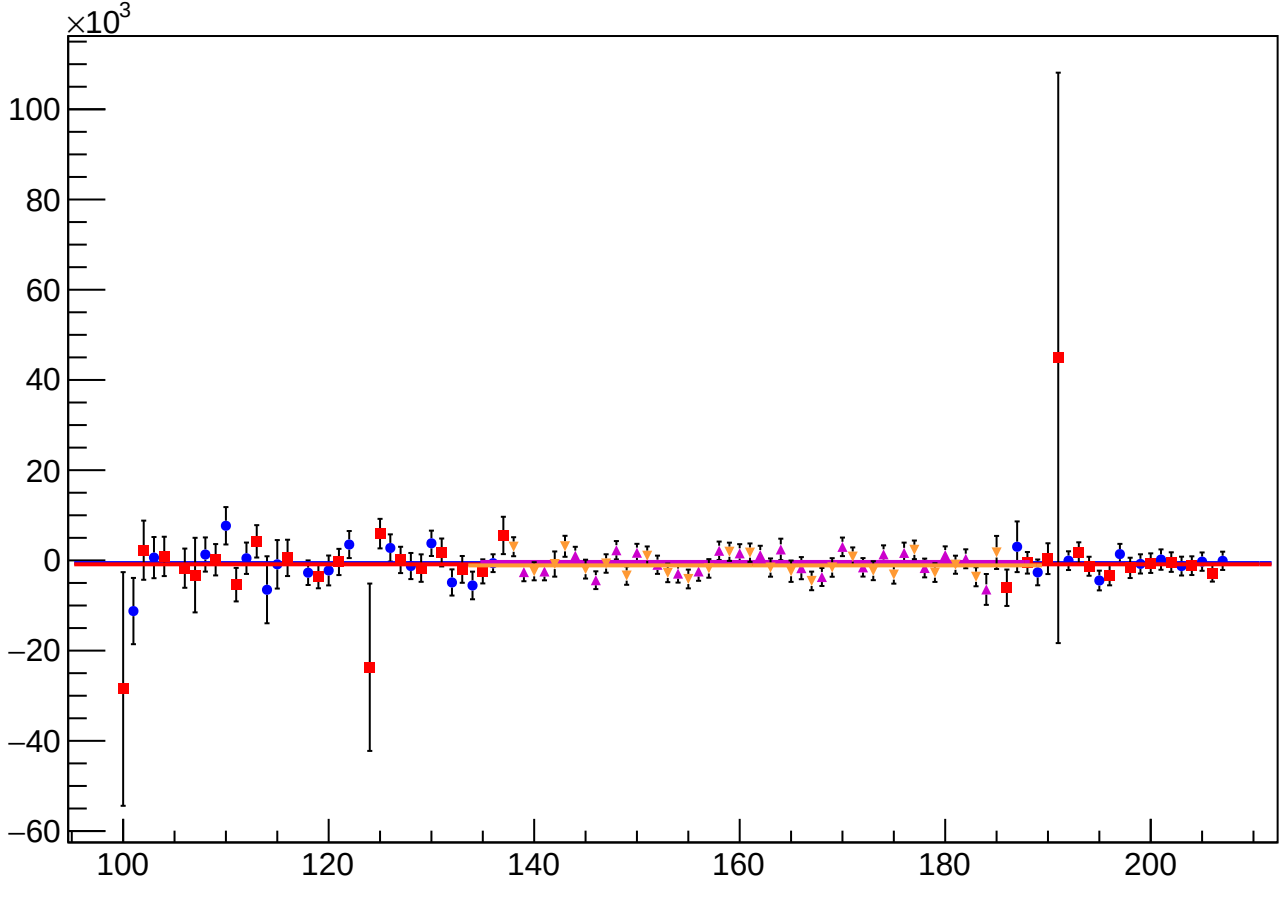
Right: 721.516+/-0.098 χ^2/NDF: 7696737.2/56

In: 483.465+/-0.063 χ^2/NDF:6658831.7/48

Out: 490.165+/-0.063 χ^2/NDF:10406528.4/55

All: 486.801+/-0.044 χ^2/NDF: 17071047.3/10

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -597.074+/-540.176 χ^2/NDF: 23.6/25

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

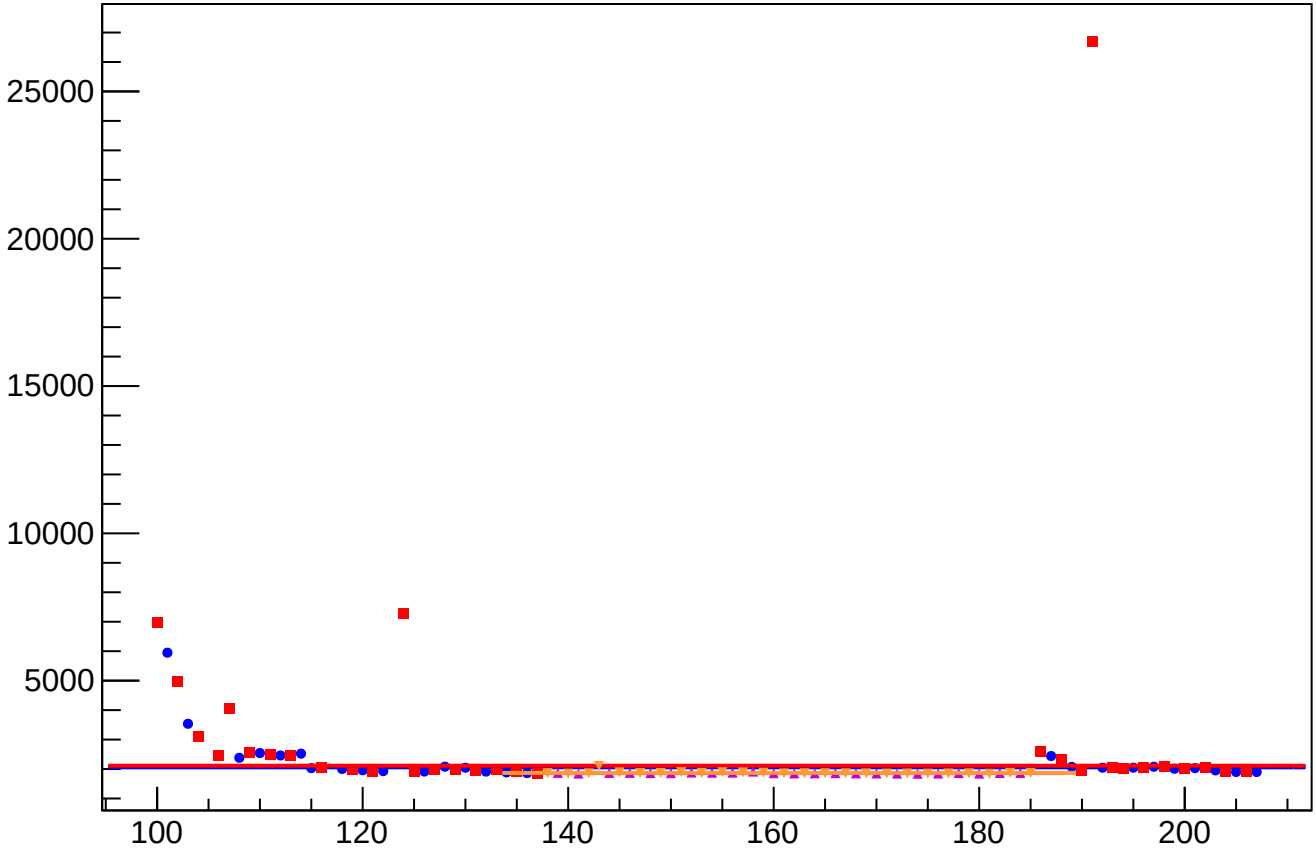
Right: -734.554+/-379.933 χ^2/NDF: 45.7/56

In: -445.323+/-338.776 χ^2/NDF:52.5/48

Out: -1014.219+/-332.484 χ^2/NDF:50.1/55

All: -735.103+/-237.295 χ^2/NDF: 104.1/104

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2058.088+/-0.382 χ^2/NDF: 929659.2/25

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

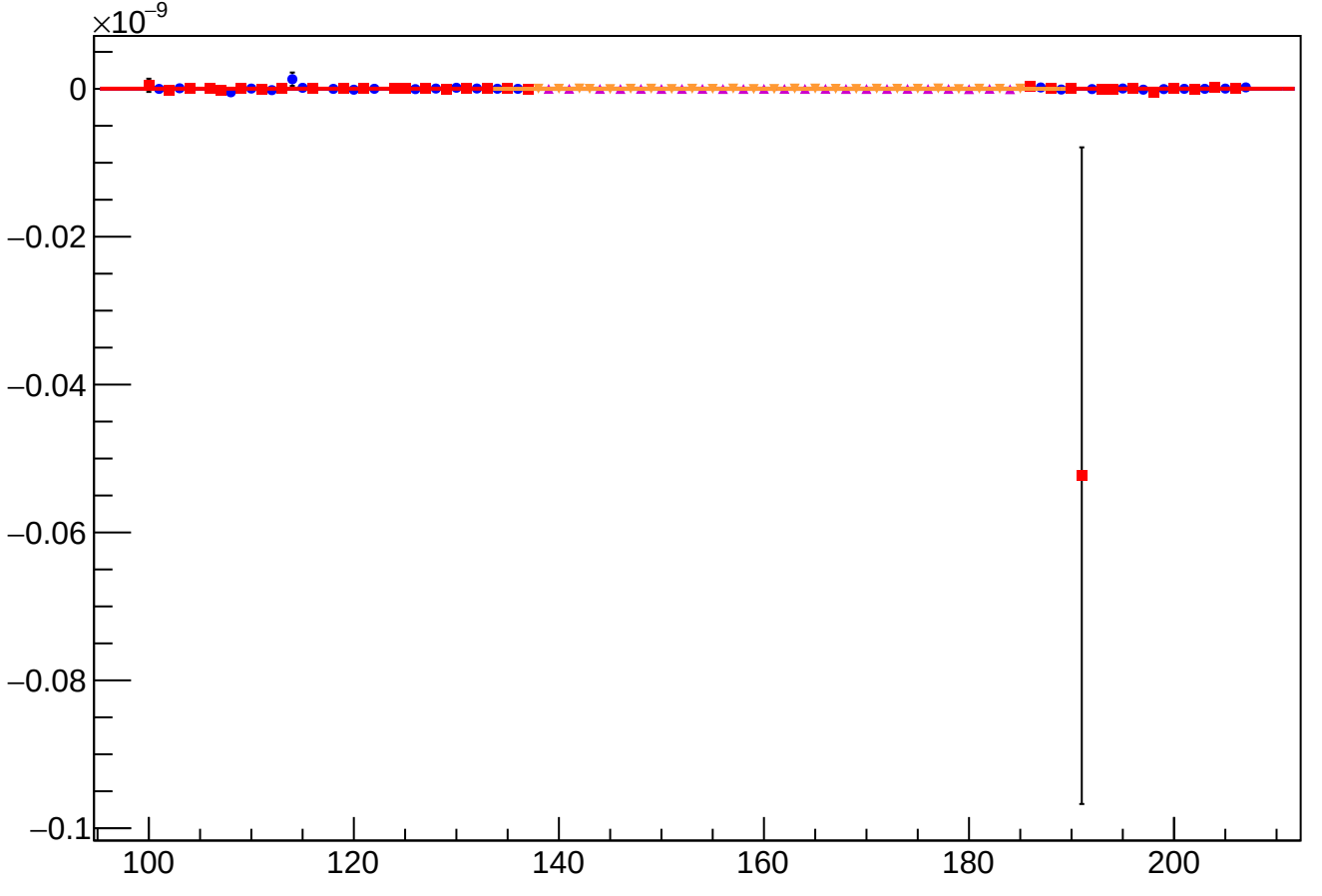
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2085.959+/-0.269 χ^2/NDF: 2302826.1/56

In: 1939.629+/-0.240 χ^2/NDF:1090912.7/48

Out: 1963.479+/-0.235 χ^2/NDF:1642103.5/55

All: 1951.778+/-0.168 χ^2/NDF: 2738065.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/25

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

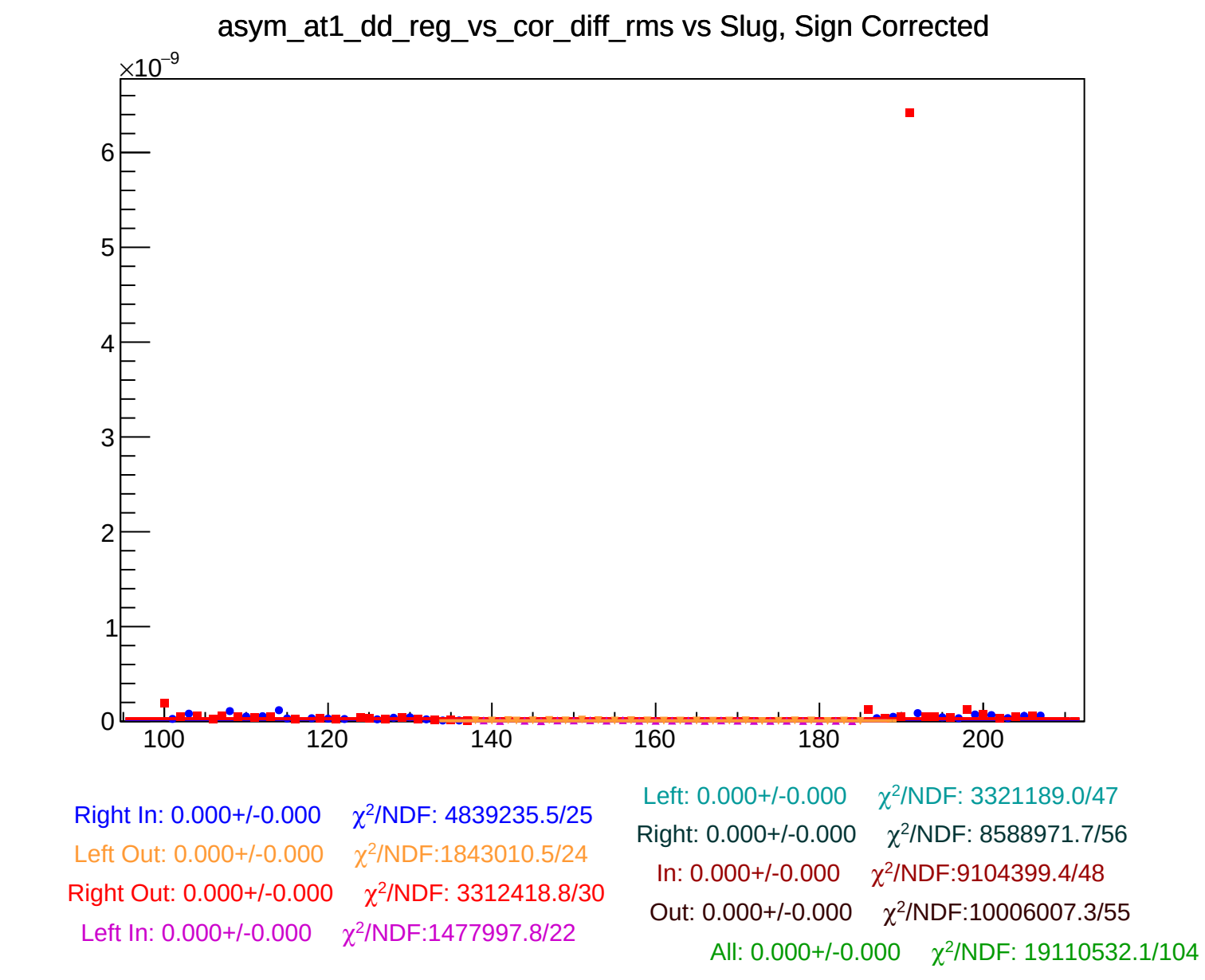
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

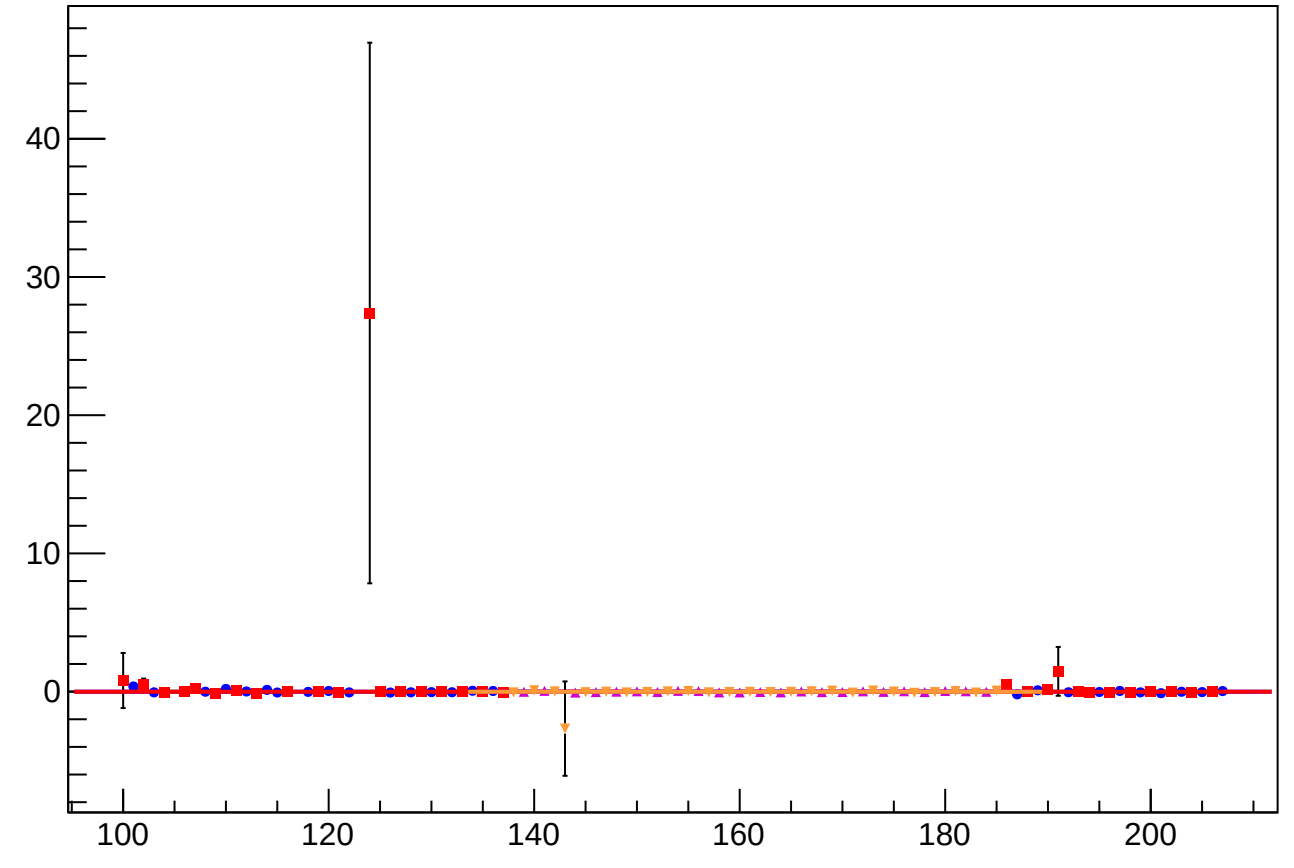
Right: 0.000+/-0.000 χ^2/NDF: 59.4/56

In: -0.000+/-0.000 χ^2/NDF:43.8/48

Out: 0.000+/-0.000 χ^2/NDF:76.2/55

All: -0.000+/-0.000 χ^2/NDF: 121.9/104


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: 4839235.5/25
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: 8588971.7/56
In: 0.000+/-0.000 χ²/NDF:9104399.4/48
Out: 0.000+/-0.000 χ²/NDF:10006007.3/55
All: 0.000+/-0.000 χ²/NDF: 19110532.1/104



Right In: -0.007+/-0.012 χ^2/NDF: 28.4/25

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

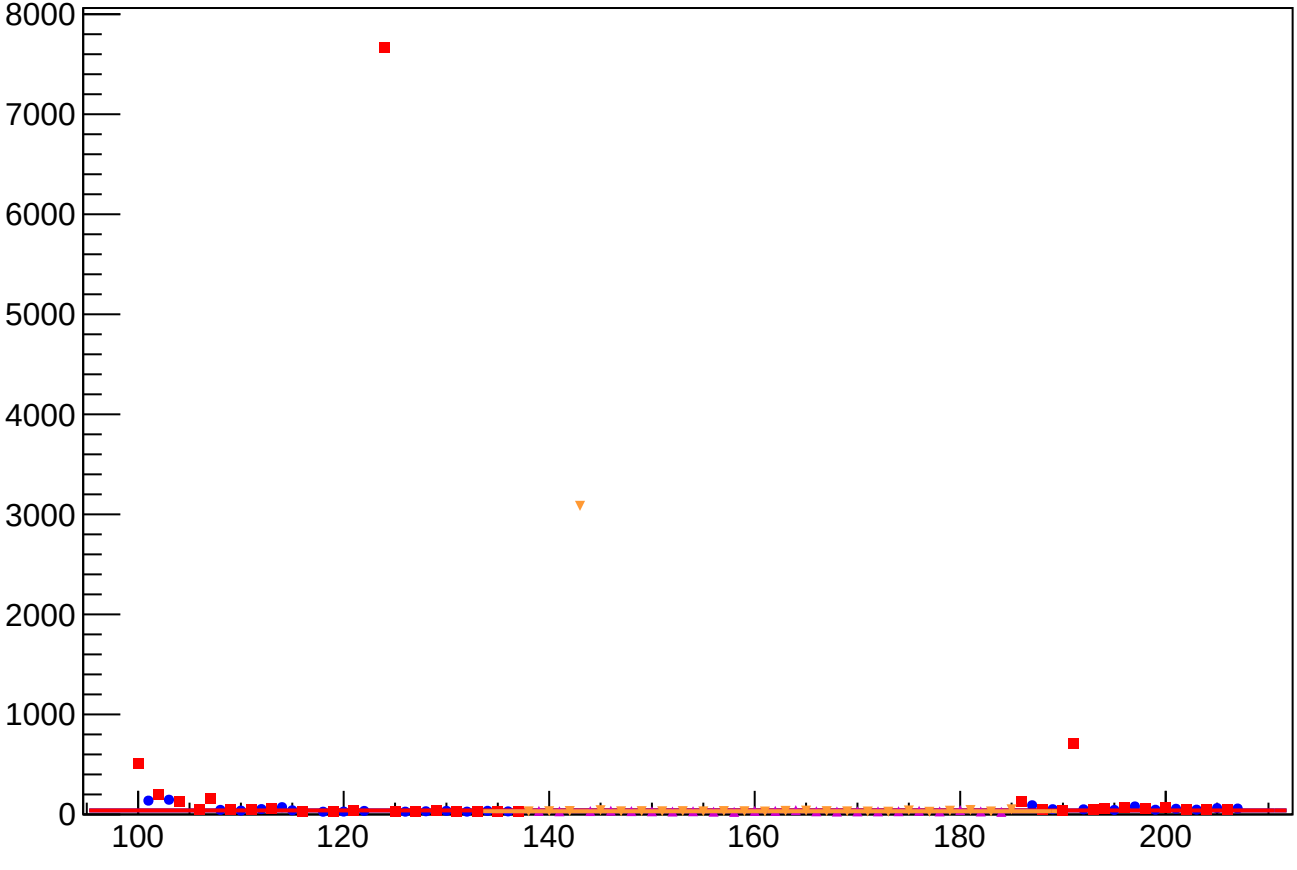
Right: -0.007+/-0.008 χ^2/NDF: 54.4/56

In: -0.005+/-0.007 χ^2/NDF:49.3/48

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 115.1/104

asym_at1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.423+/-0.009 χ^2/NDF: 3234681.7/25

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

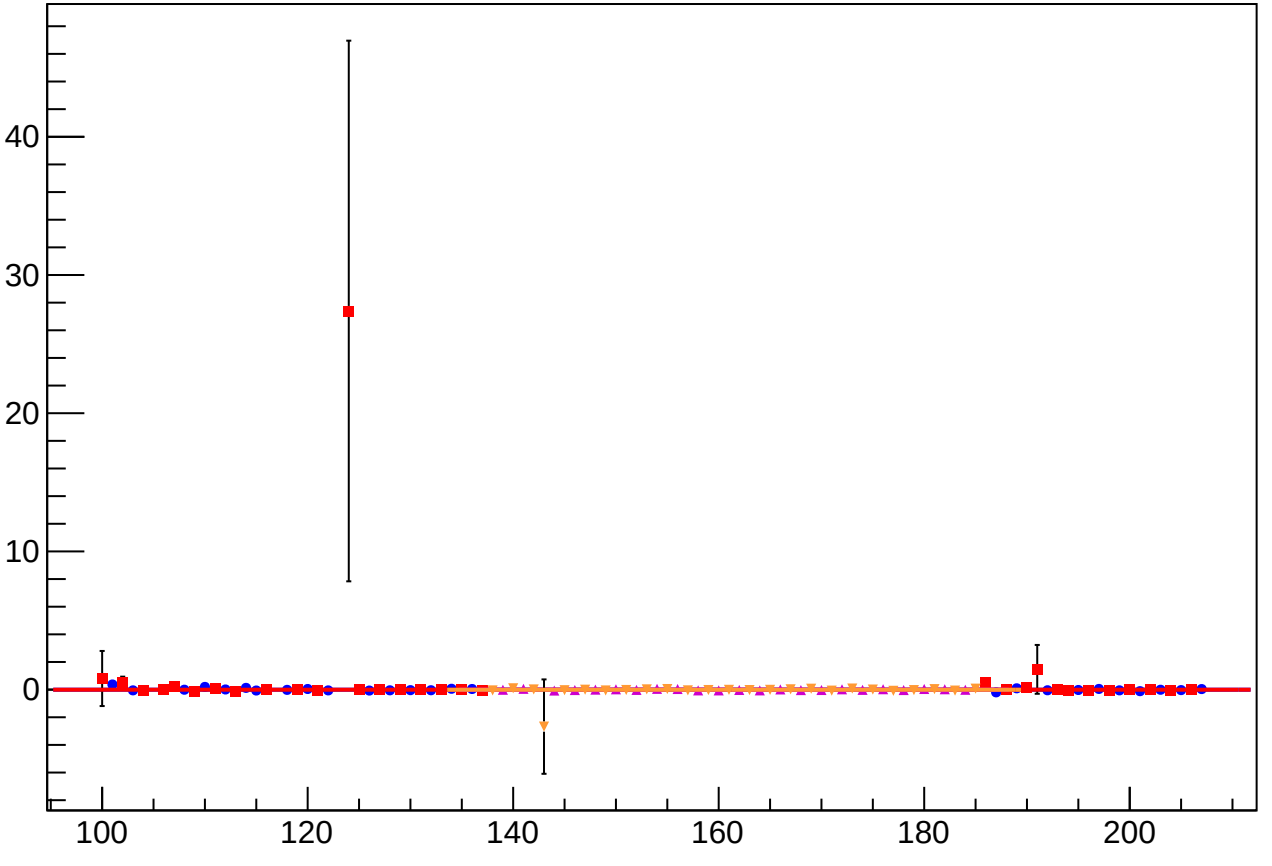
Right: 40.329+/-0.006 χ^2/NDF: 7511082.4/56

In: 34.979+/-0.005 χ^2/NDF:4256799.4/48

Out: 34.847+/-0.005 χ^2/NDF:7000883.8/55

All: 34.913+/-0.003 χ^2/NDF: 11258059.8/104

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 28.4/25

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

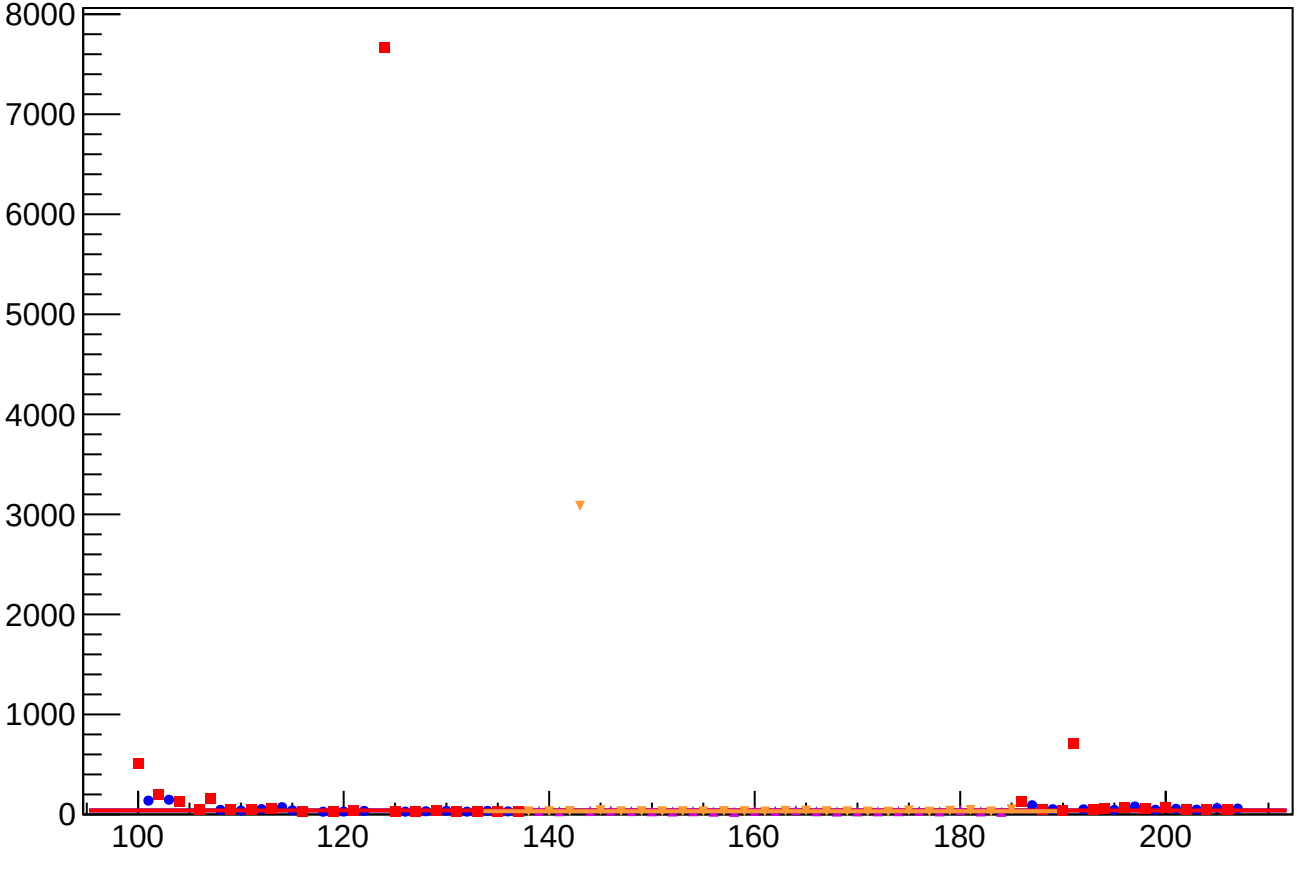
Right: -0.007+/-0.008 χ^2/NDF: 54.4/56

In: -0.005+/-0.007 χ^2/NDF:49.3/48

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 115.1/104

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.423+/-0.009 χ^2/NDF: 3234681.7/25

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

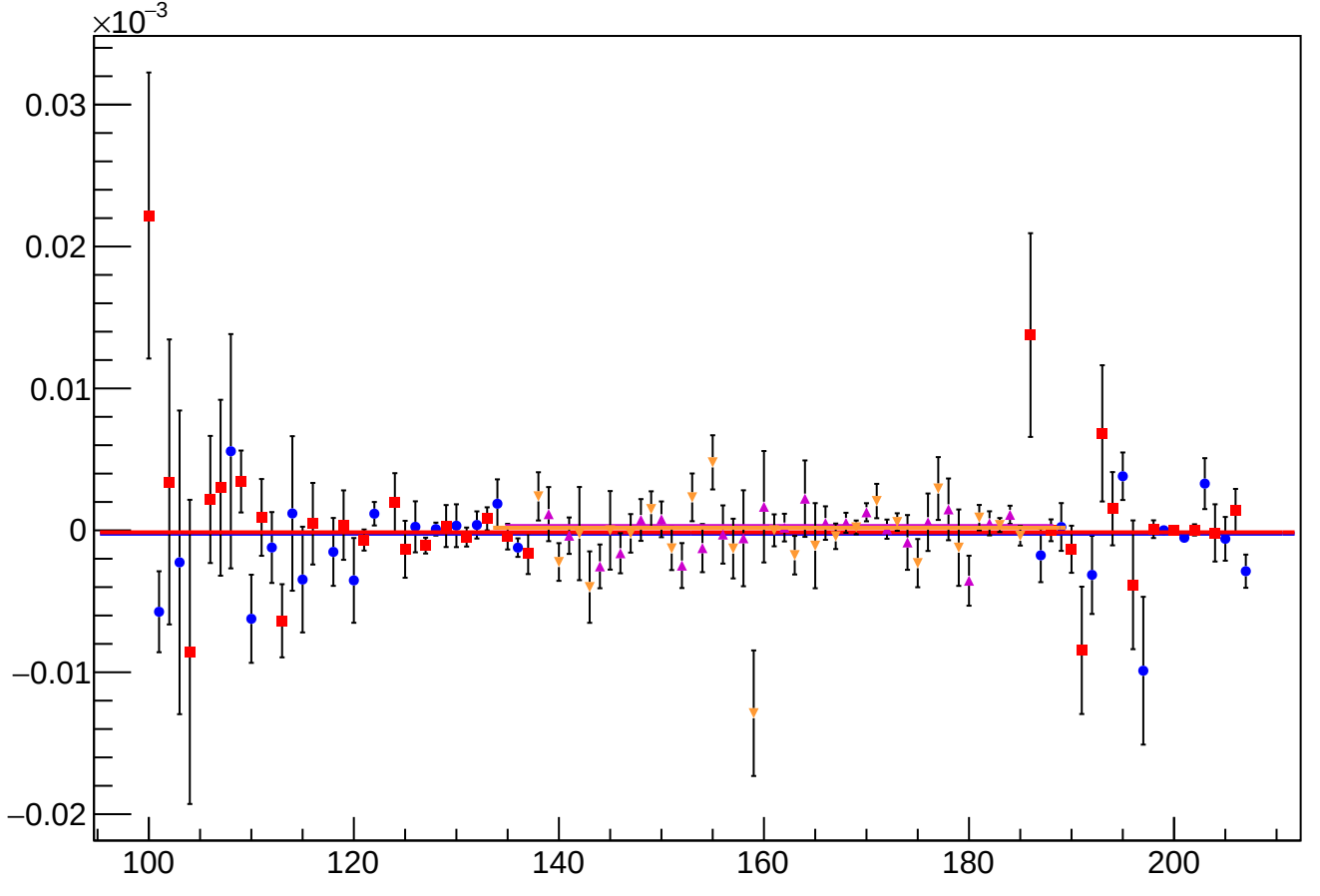
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 40.329+/-0.006 χ^2/NDF: 7511082.4/56

In: 34.979+/-0.005 χ^2/NDF:4256799.4/48

Out: 34.847+/-0.005 χ^2/NDF:7000883.8/55

All: 34.913+/-0.003 χ^2/NDF: 11258059.8/104



Right In: -0.000+/-0.000 χ^2/NDF: 40.1/25

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

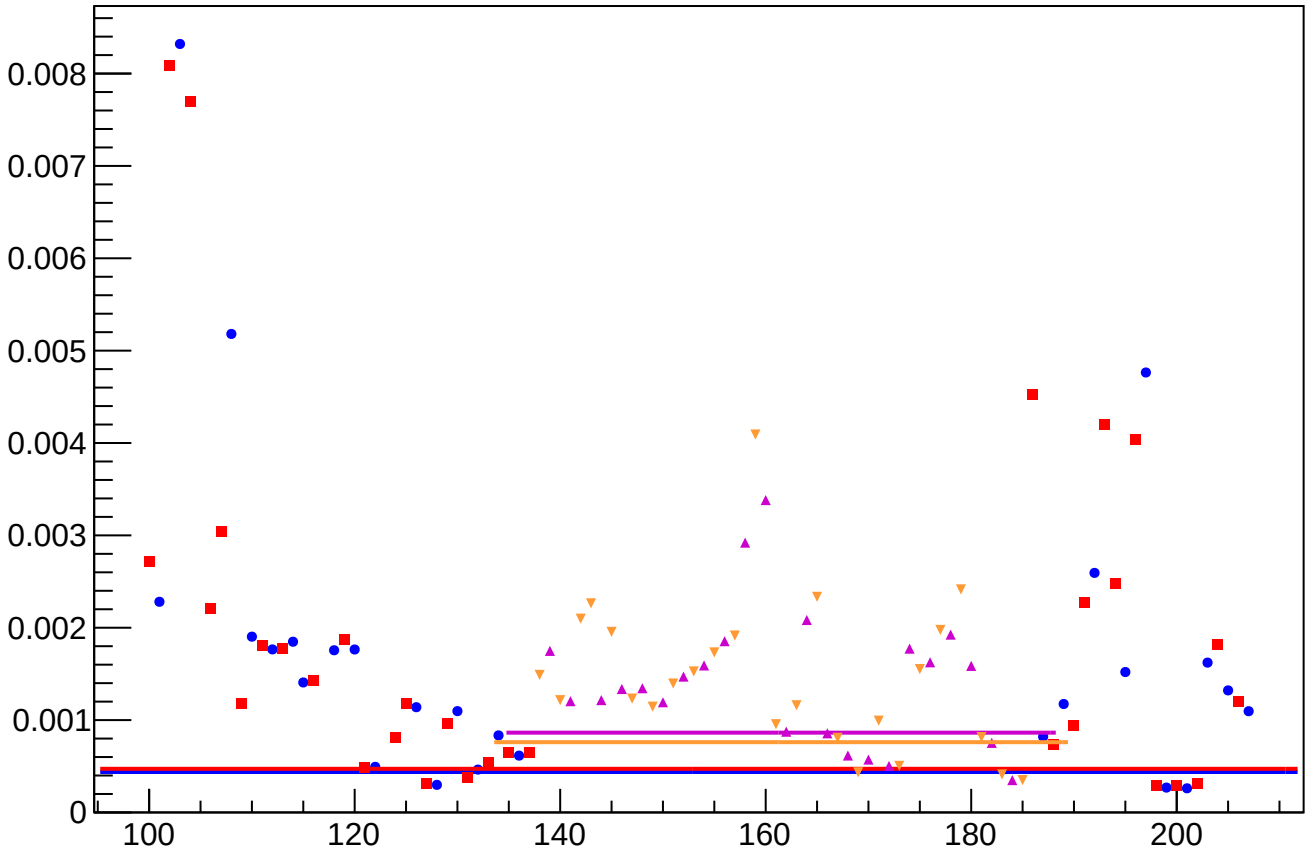
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 75.2/56

In: -0.000+/-0.000 χ^2/NDF:63.8/48

Out: -0.000+/-0.000 χ^2/NDF:73.9/55

All: -0.000+/-0.000 χ^2/NDF: 137.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 13491213.4/25

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

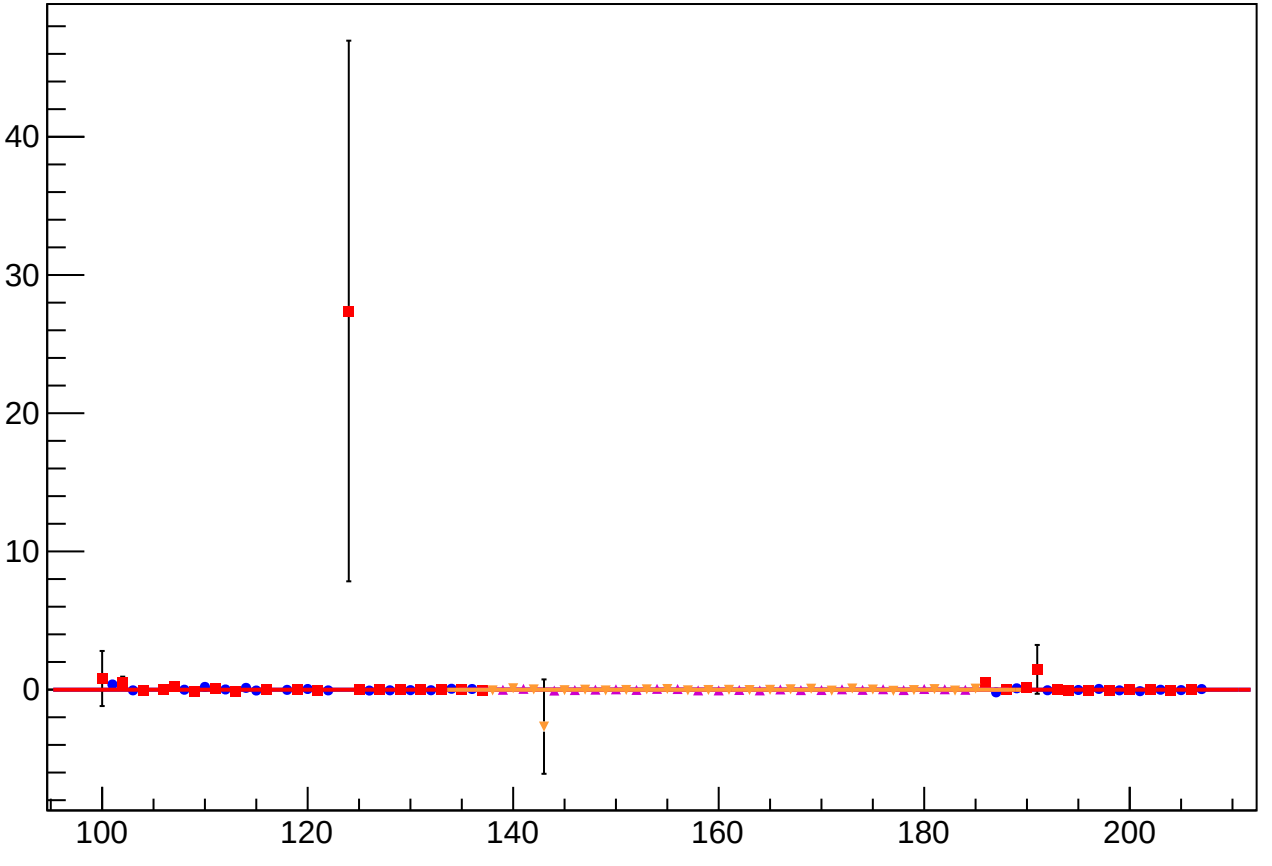
Right: 0.000+/-0.000 χ^2/NDF: 26831897.1/56

In: 0.001+/-0.000 χ^2/NDF:26270436.3/48

Out: 0.001+/-0.000 χ^2/NDF:26632725.2/55

All: 0.001+/-0.000 χ^2/NDF: 52912849.2/104

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 28.4/25

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

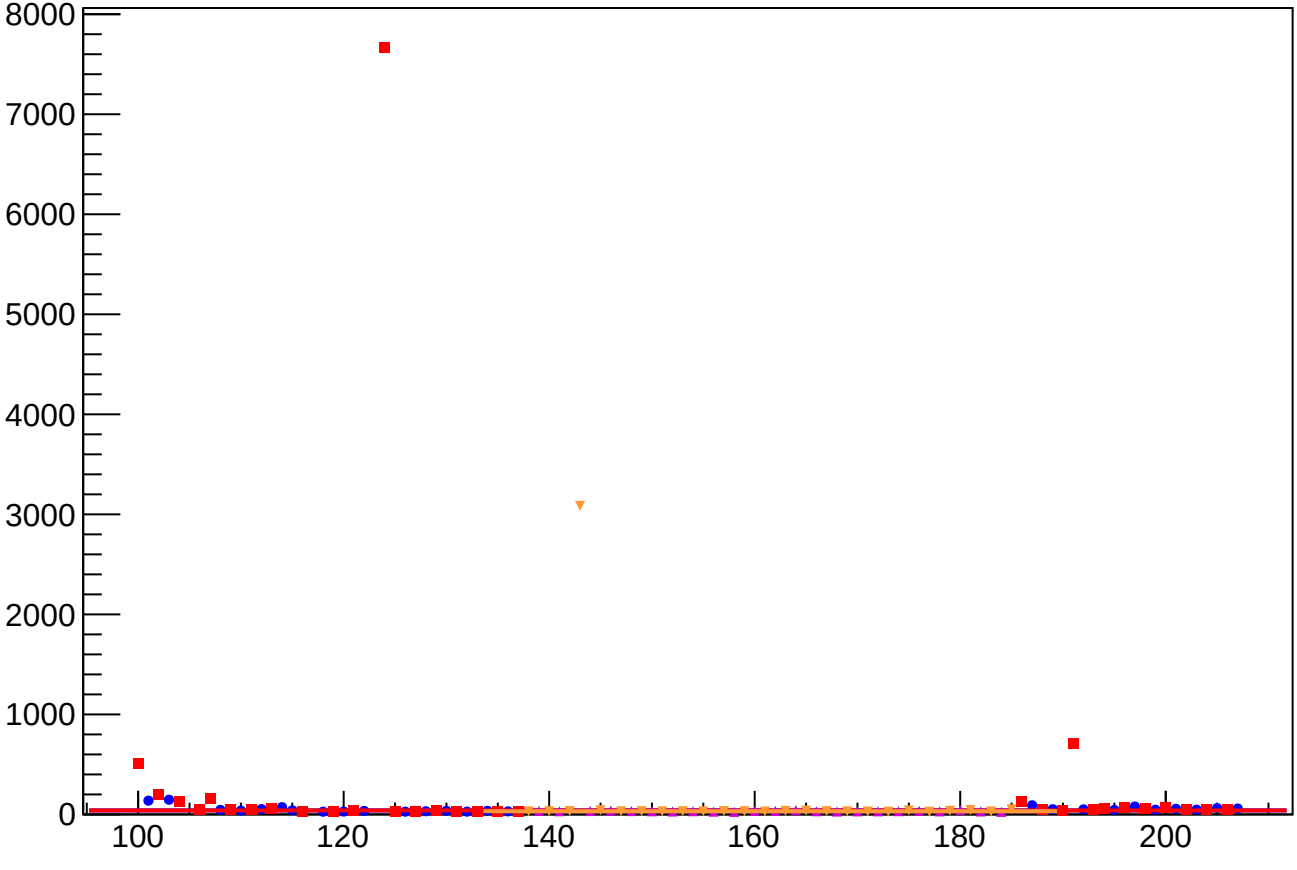
Right: -0.007+/-0.008 χ^2/NDF: 54.4/56

In: -0.005+/-0.007 χ^2/NDF:49.3/48

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 115.1/104

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.423+/-0.009 χ^2/NDF: 3234663.1/25

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

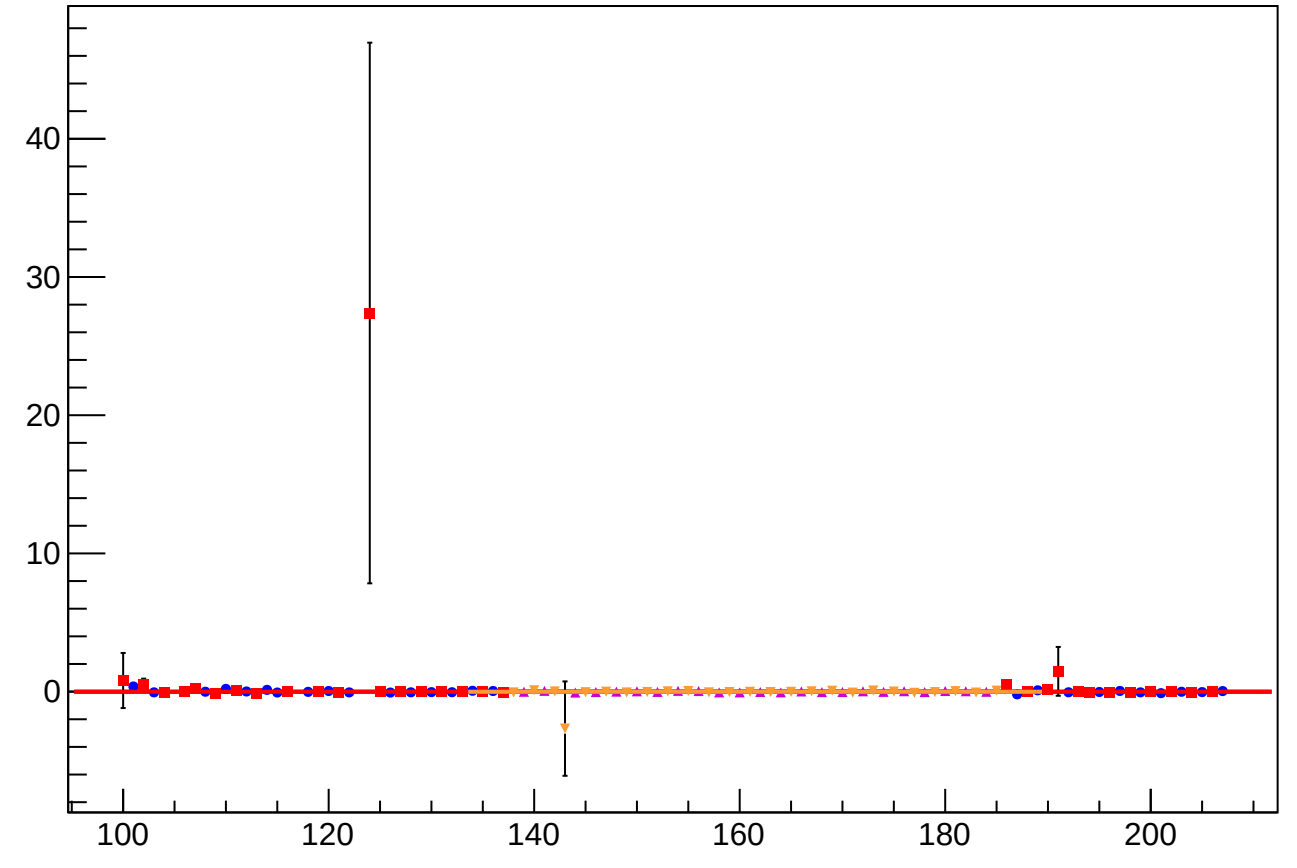
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.329+/-0.006 χ^2/NDF: 7511081.7/56

In: 34.979+/-0.005 χ^2/NDF:4256654.8/48

Out: 34.847+/-0.005 χ^2/NDF:7000957.8/55

All: 34.913+/-0.003 χ^2/NDF: 11257990.6/104



Right In: -0.007+/-0.012 χ^2/NDF: 28.4/25

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

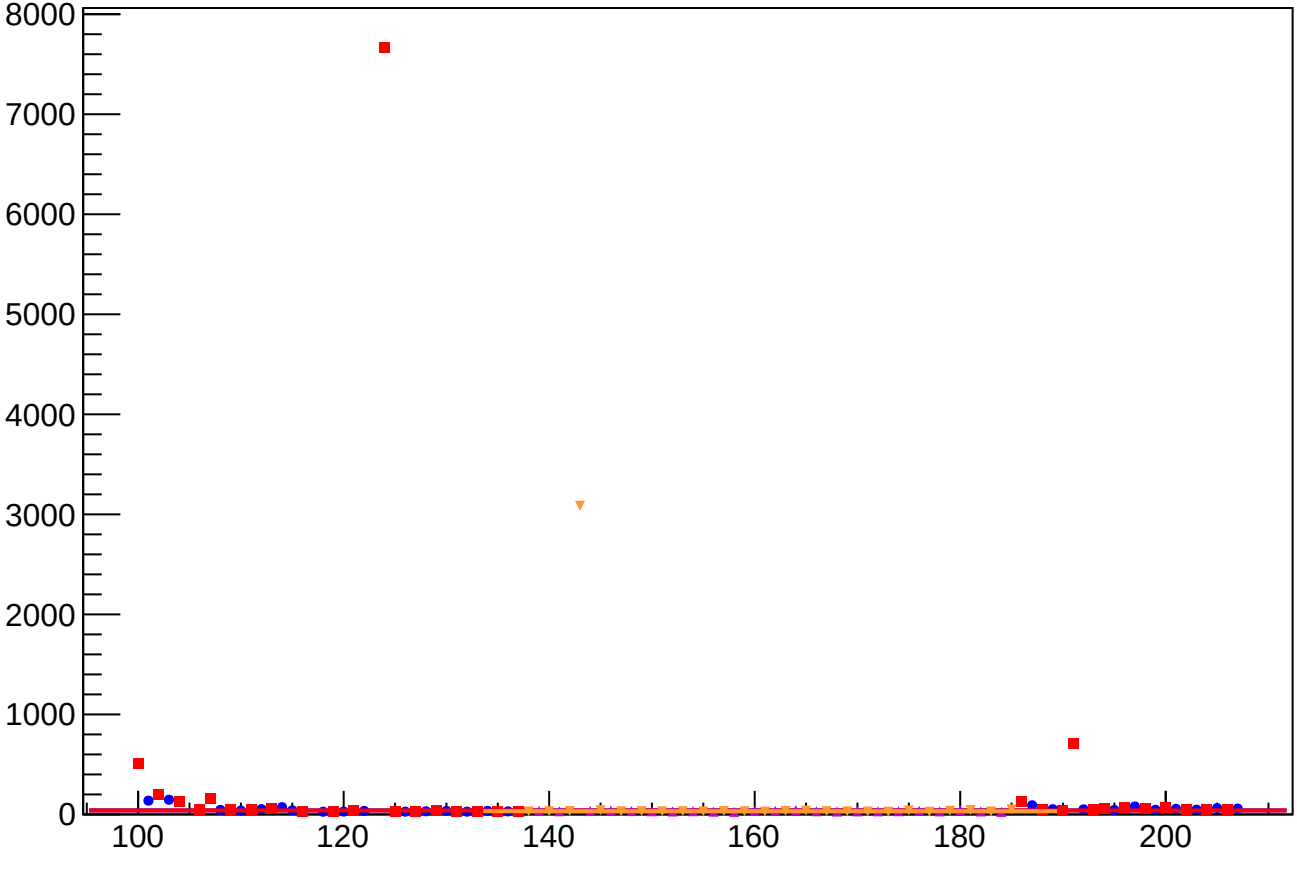
Right: -0.007+/-0.008 χ^2/NDF: 54.4/56

In: -0.005+/-0.007 χ^2/NDF:49.3/48

Out: -0.009+/-0.007 χ^2/NDF:65.6/55

All: -0.007+/-0.005 χ^2/NDF: 115.1/104

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 40.423+/-0.009 χ^2/NDF: 3234663.1/25

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

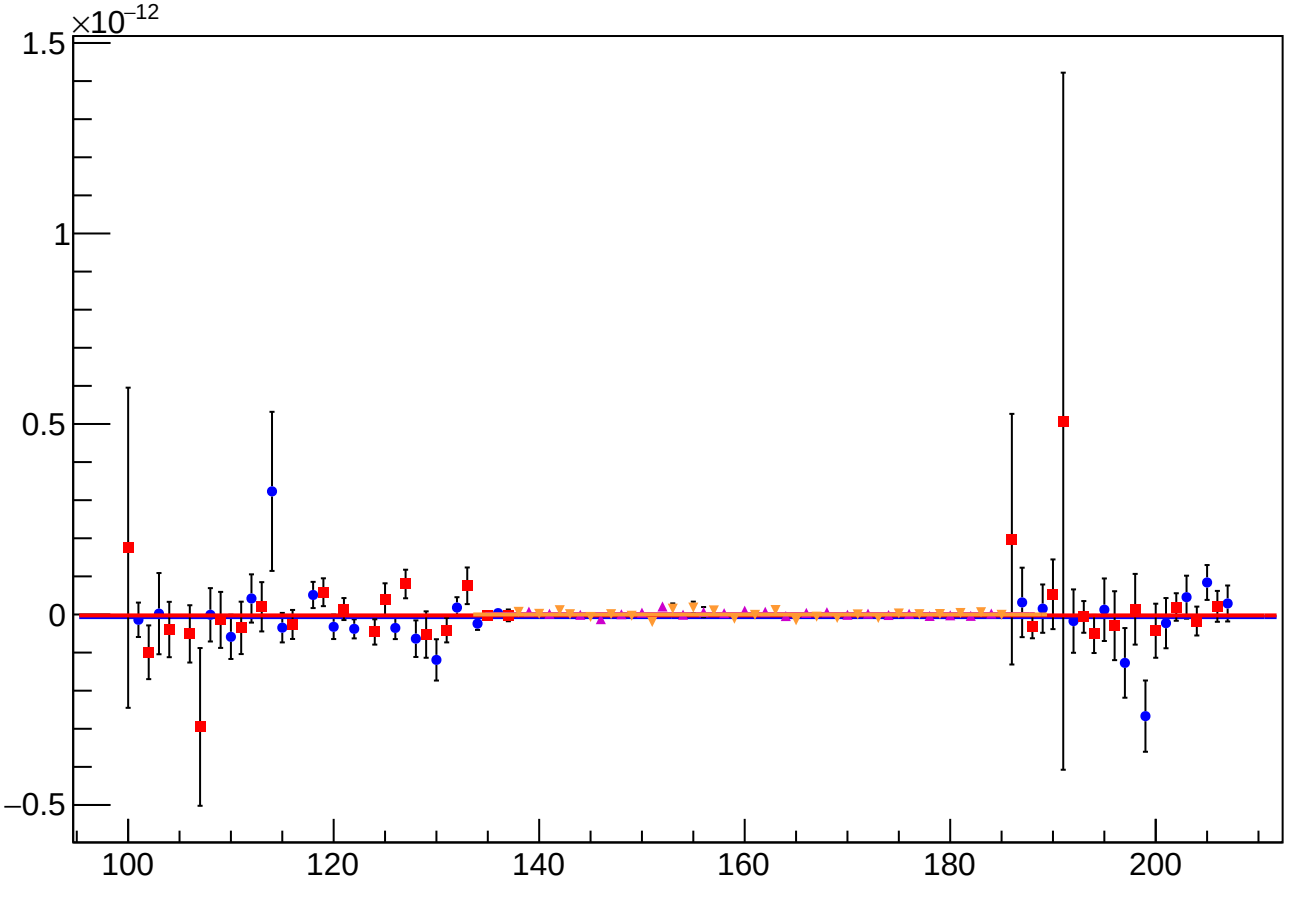
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 40.329+/-0.006 χ^2/NDF: 7511081.7/56

In: 34.979+/-0.005 χ^2/NDF:4256654.8/48

Out: 34.847+/-0.005 χ^2/NDF:7000957.8/55

All: 34.913+/-0.003 χ^2/NDF: 11257990.6/104



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/25

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

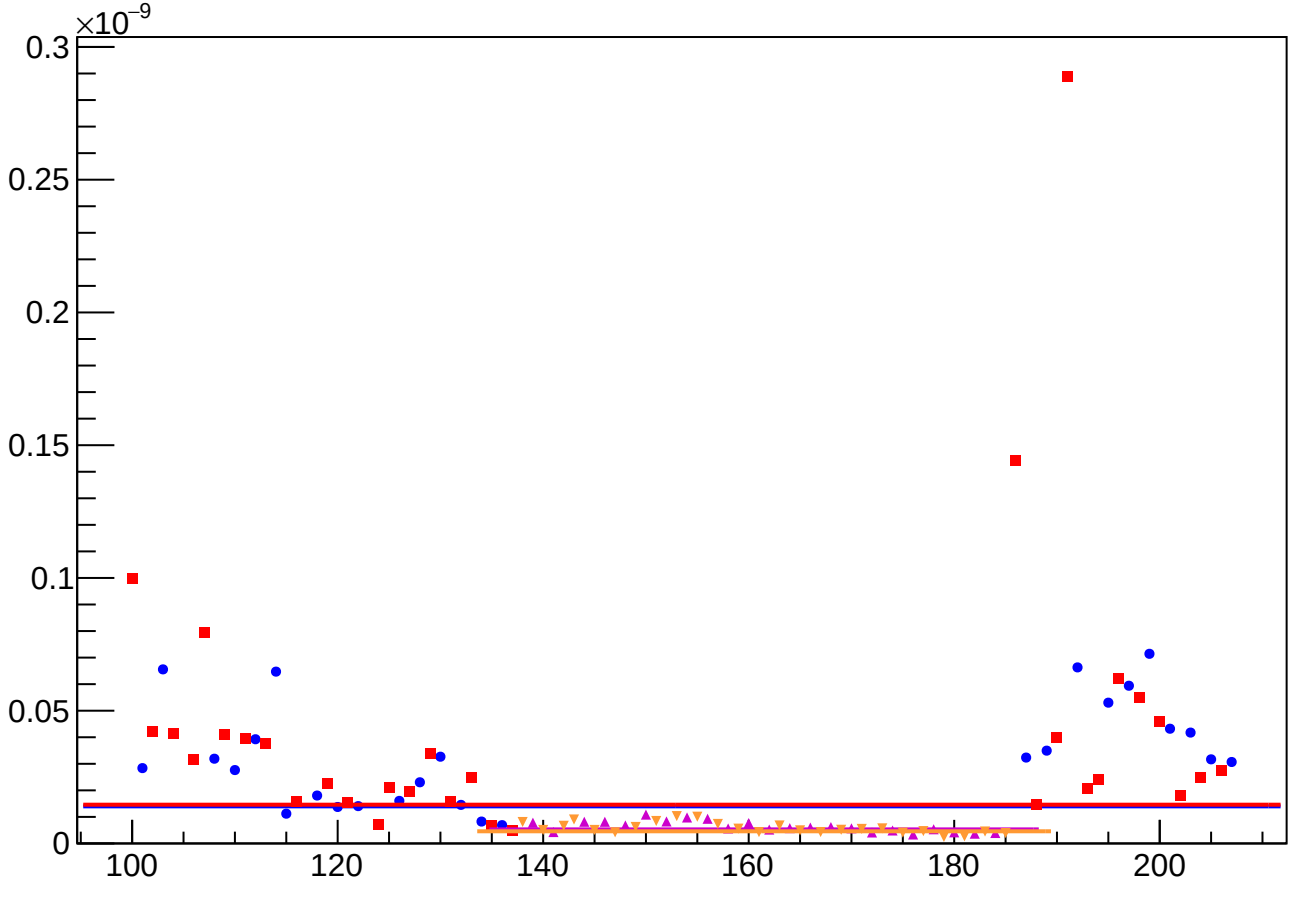
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

Right: -0.000+/-0.000 χ^2/NDF: 60.0/56

In: 0.000+/-0.000 χ^2/NDF:45.3/48

Out: -0.000+/-0.000 χ^2/NDF:46.4/55

All: 0.000+/-0.000 χ^2/NDF: 91.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 7373883.8/25

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

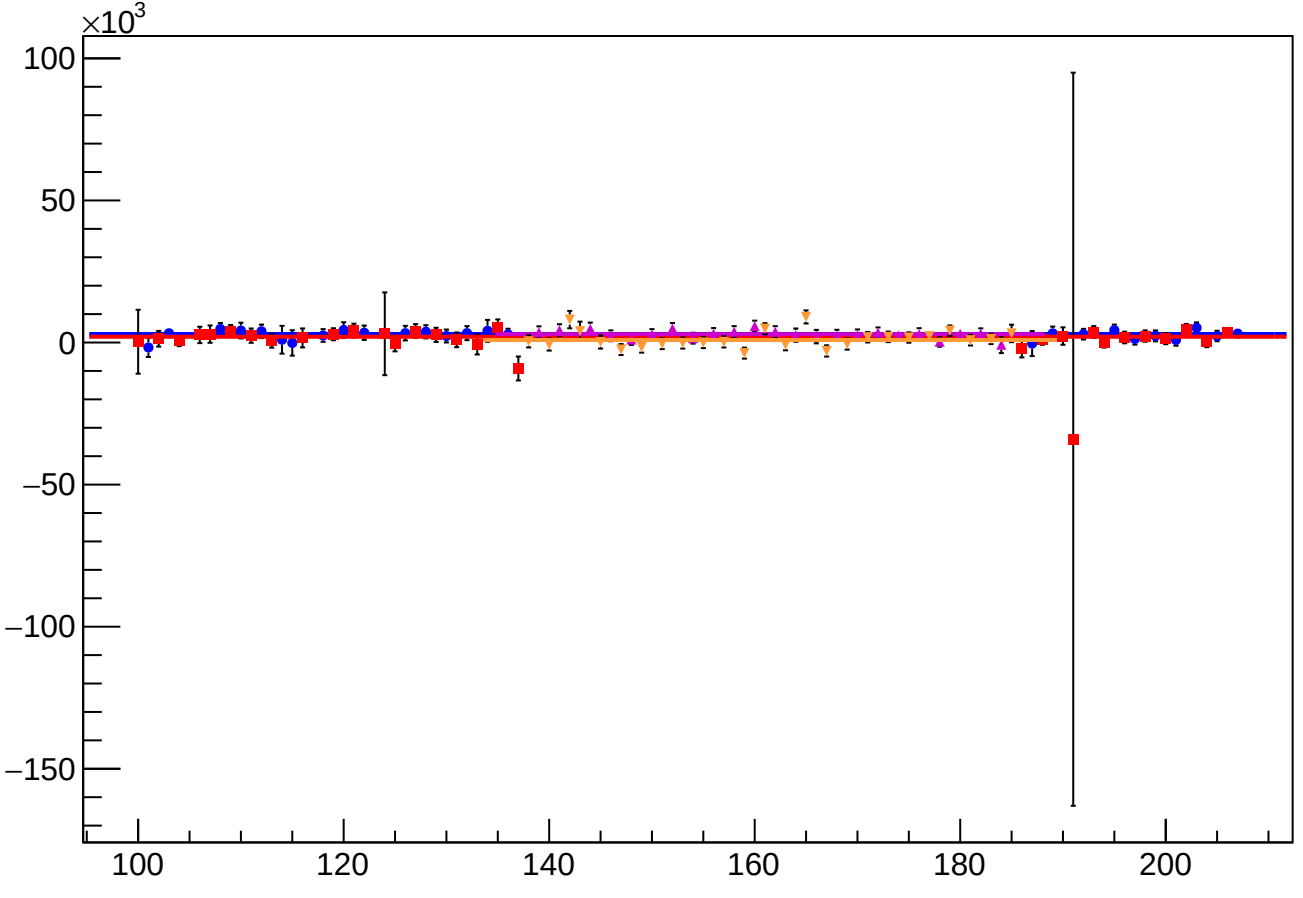
Right: 0.000+/-0.000 χ^2/NDF: 13810541.5/56

In: 0.000+/-0.000 χ^2/NDF:13369310.7/48

Out: 0.000+/-0.000 χ^2/NDF:13763263.4/55

All: 0.000+/-0.000 χ^2/NDF: 27426535.2/104

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2992.077+/-447.573 χ^2/NDF: 8.8/25

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

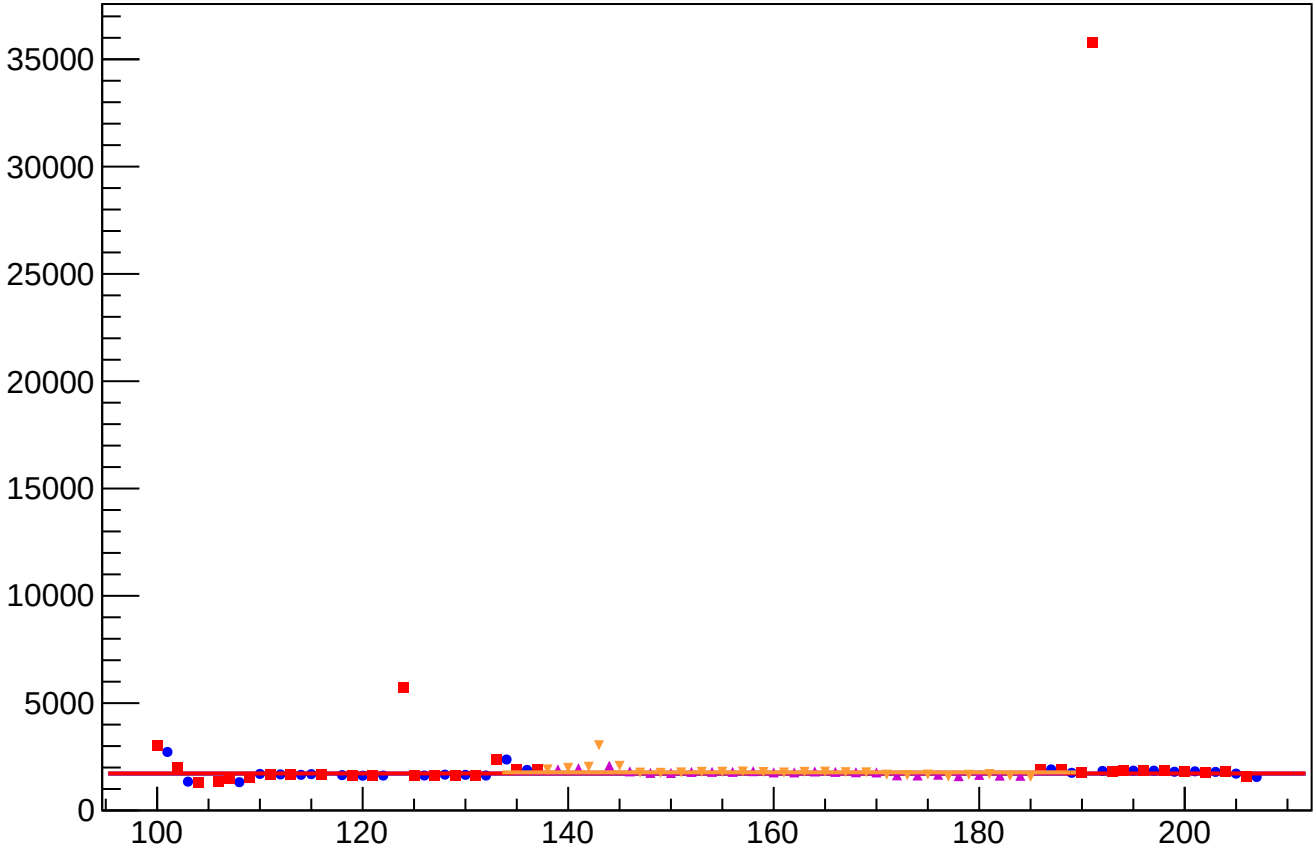
Right: 2497.570+/-311.890 χ^2/NDF: 33.1/56

In: 2965.670+/-303.153 χ^2/NDF:19.3/48

Out: 1425.399+/-296.584 χ^2/NDF:70.8/55

All: 2178.668+/-212.001 χ^2/NDF: 103.4/104

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1716.582+/-0.316 χ^2/NDF: 493200.0/25

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

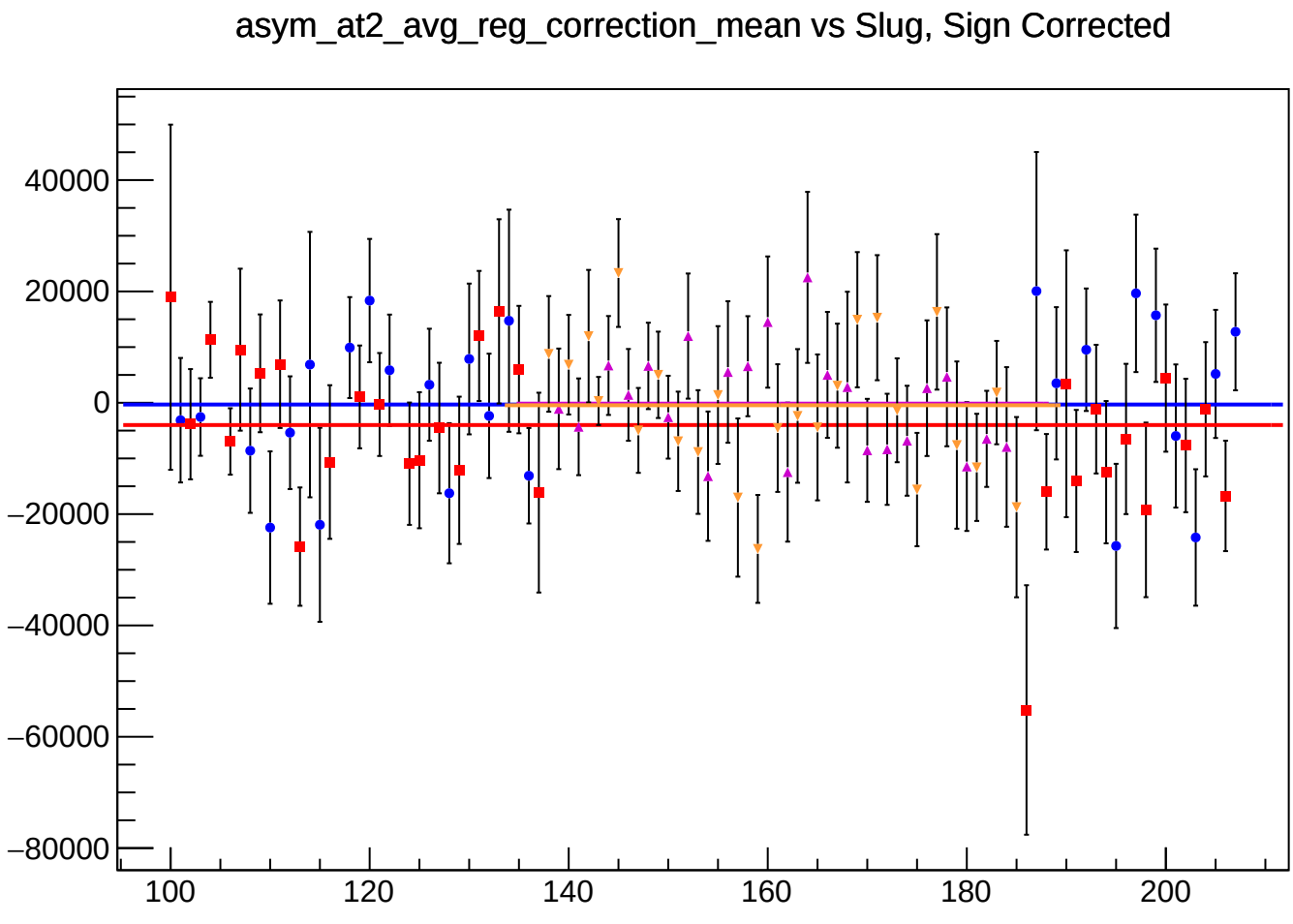
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1720.469+/-0.221 χ^2/NDF: 1186071.1/56

In: 1740.670+/-0.214 χ^2/NDF:650170.3/48

Out: 1751.197+/-0.210 χ^2/NDF:1153952.5/55

All: 1746.049+/-0.150 χ^2/NDF: 1805355.0/10



Right In: -316.027+/-2270.745 χ^2/NDF: 28.7/25

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

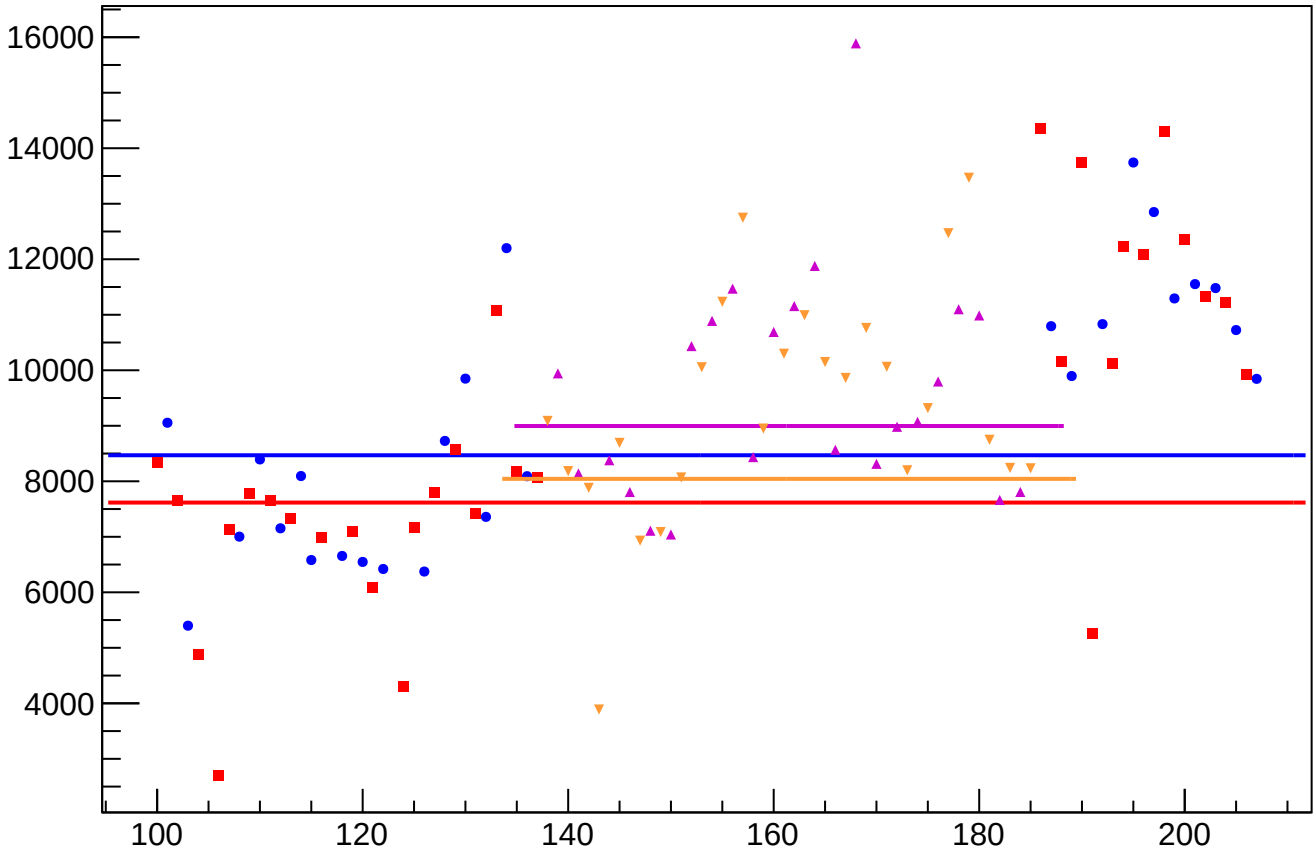
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2357.429+/-1515.626 χ^2/NDF: 60.0/56

In: -231.017+/-1558.723 χ^2/NDF:42.5/48

Out: -2122.035+/-1398.800 χ^2/NDF:61.0/55

All: -1278.482+/-1041.064 χ^2/NDF: 104.3/10



Right In: 8468.979+/-1.606 χ^2/NDF: 1949882.2/25

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

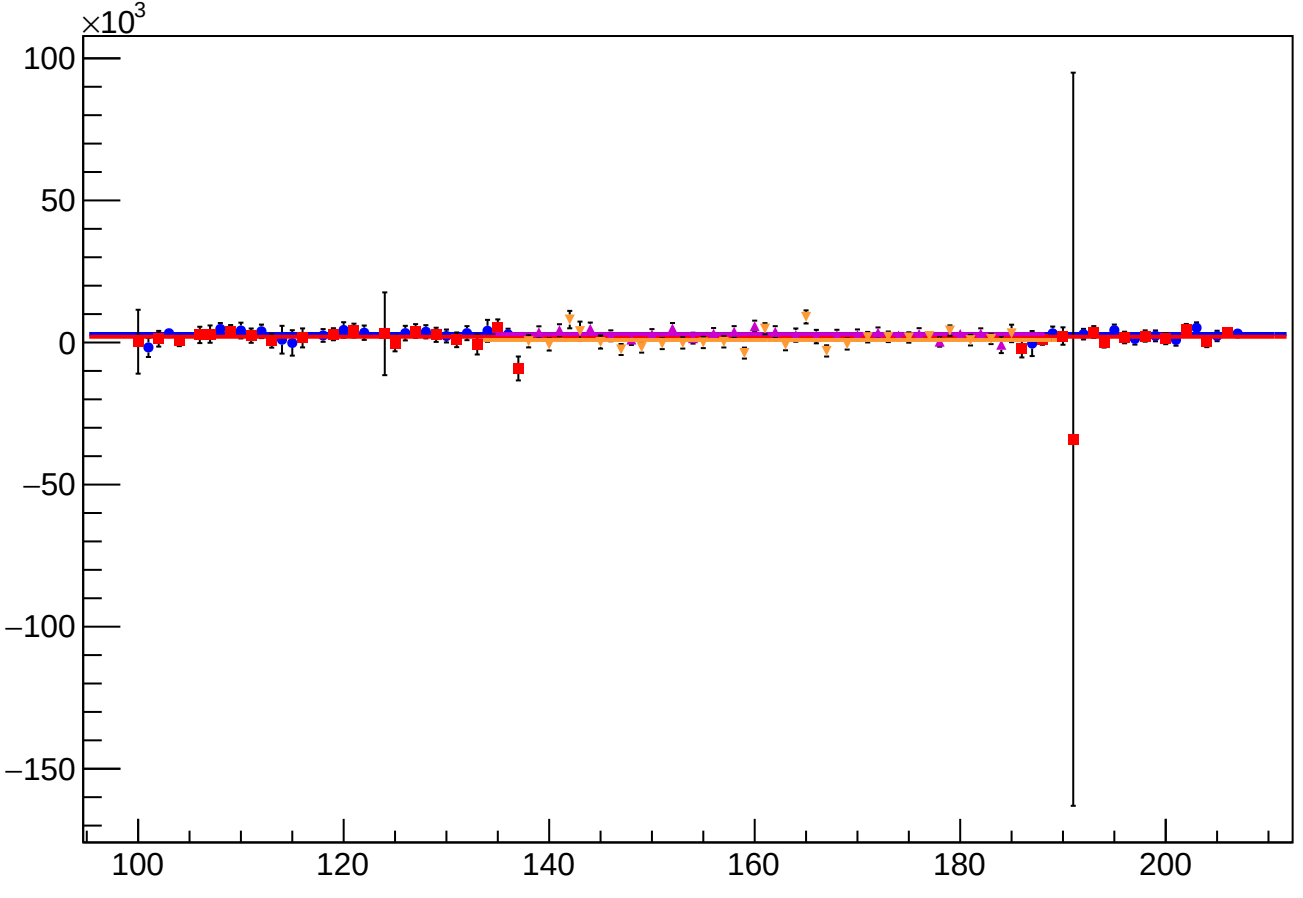
Right: 7996.304+/-1.072 χ^2/NDF: 6316681.6/56

In: 8747.472+/-1.102 χ^2/NDF:3213904.5/48

Out: 7842.021+/-0.989 χ^2/NDF:7619865.8/55

All: 8245.928+/-0.736 χ^2/NDF: 11207593.7/1

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2992.116+/-447.573 χ^2/NDF: 8.8/25

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

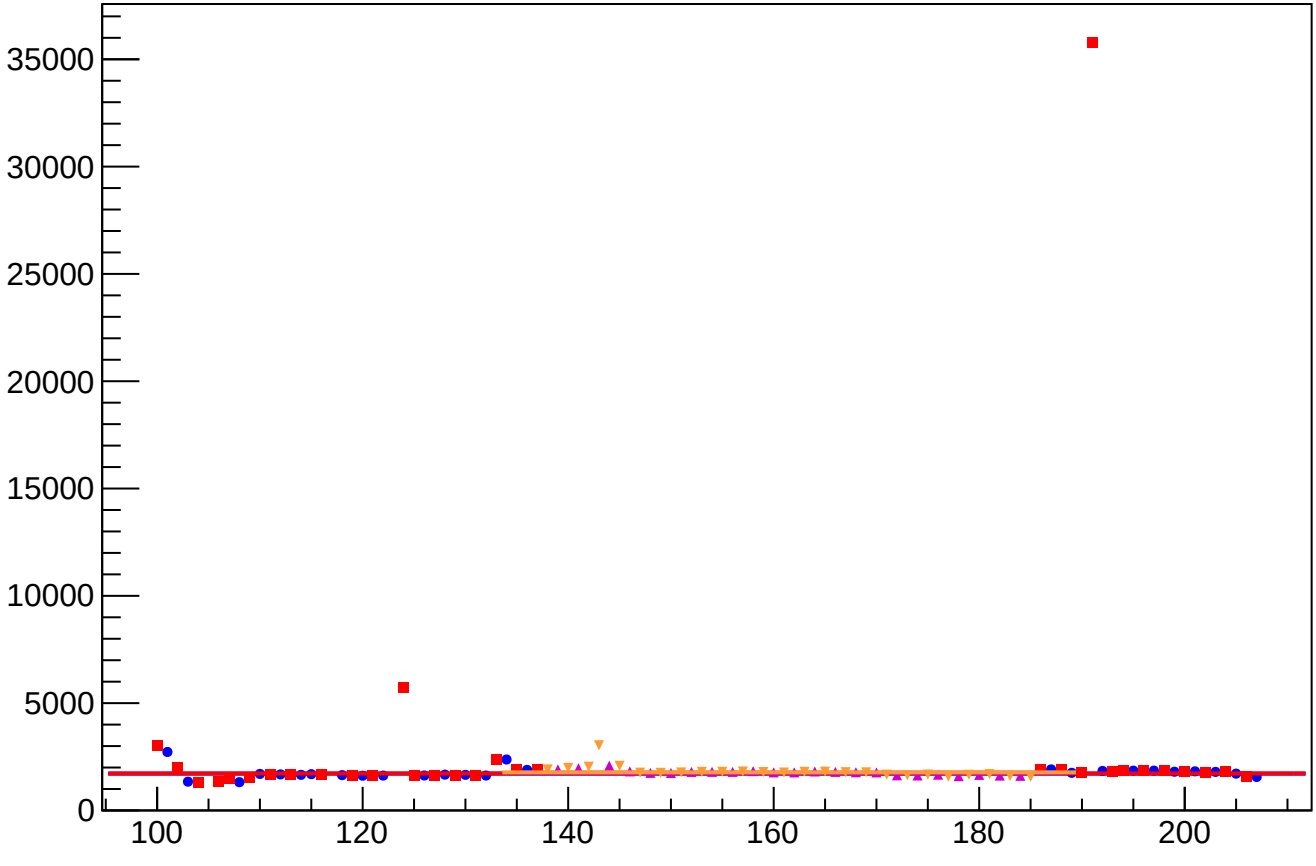
Right: 2497.547+/-311.890 χ^2/NDF: 33.1/56

In: 2965.626+/-303.153 χ^2/NDF:19.3/48

Out: 1425.319+/-296.584 χ^2/NDF:70.8/55

All: 2178.605+/-212.001 χ^2/NDF: 103.4/104

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1716.582+/-0.316 χ^2/NDF: 493200.4/25

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

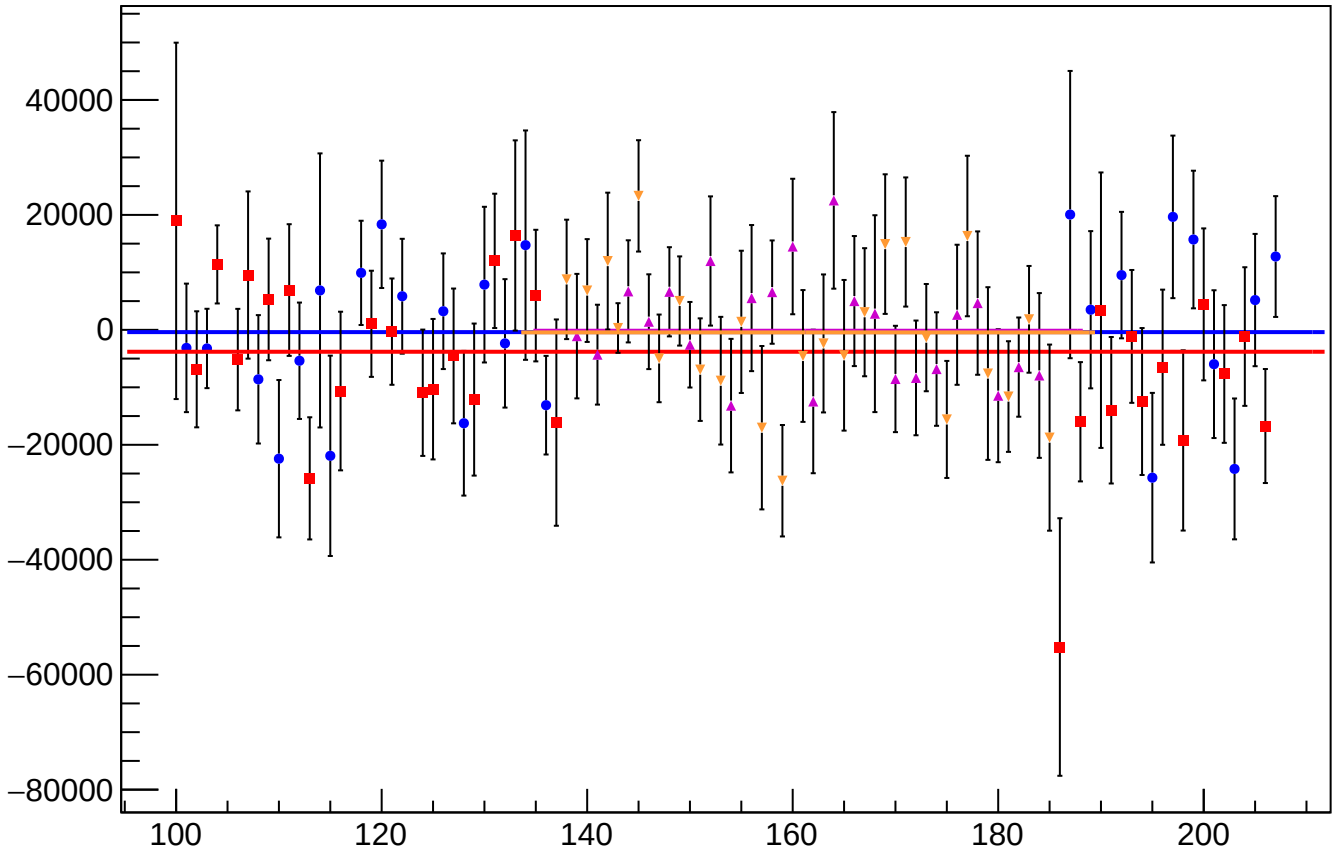
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1720.469+/-0.221 χ^2/NDF: 1186071.6/56

In: 1740.670+/-0.214 χ^2/NDF:650170.7/48

Out: 1751.197+/-0.210 χ^2/NDF:1153952.7/55

All: 1746.049+/-0.150 χ^2/NDF: 1805355.6/10



Right In: -393.478+/-2268.667 χ^2/NDF: 28.7/25

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

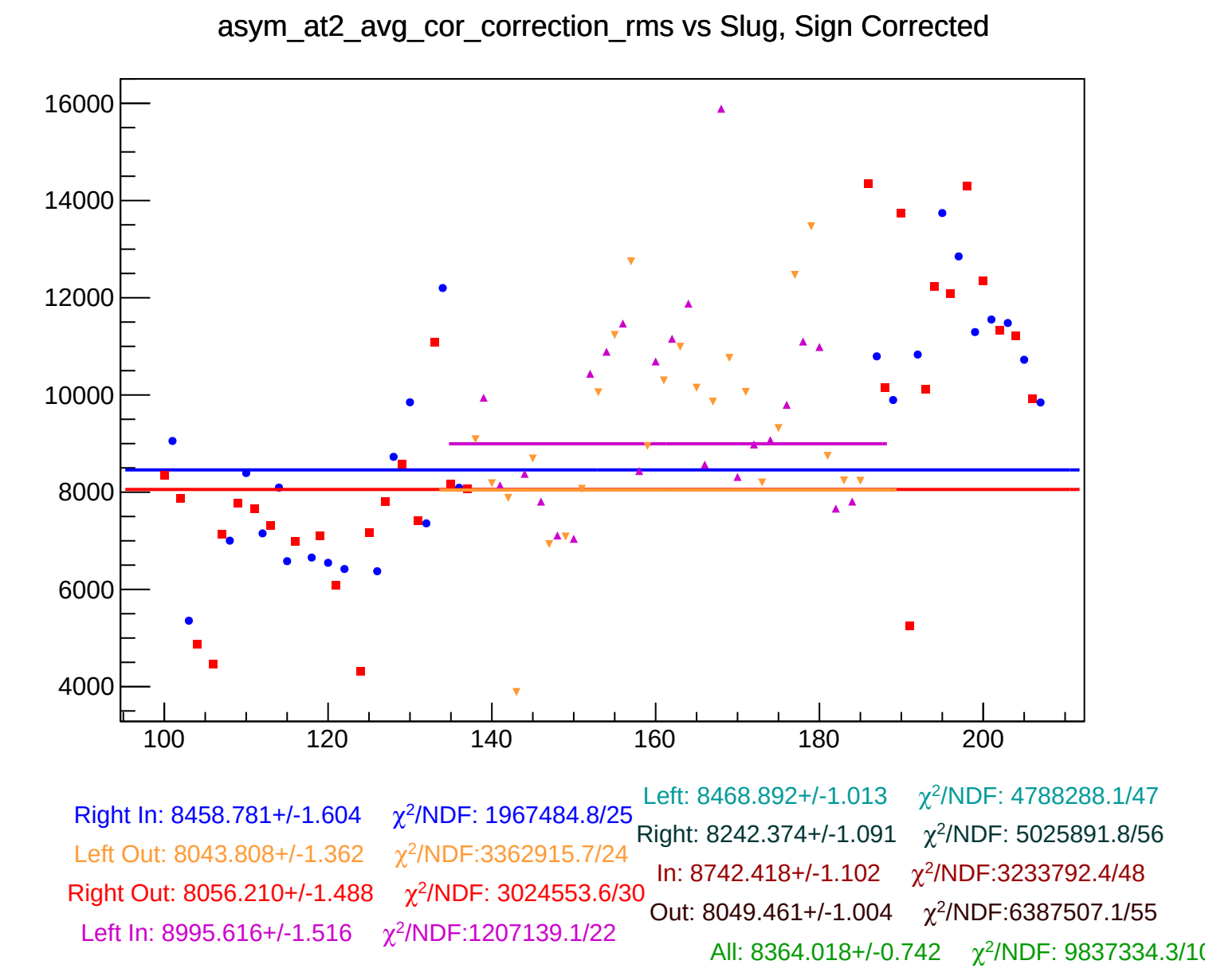
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

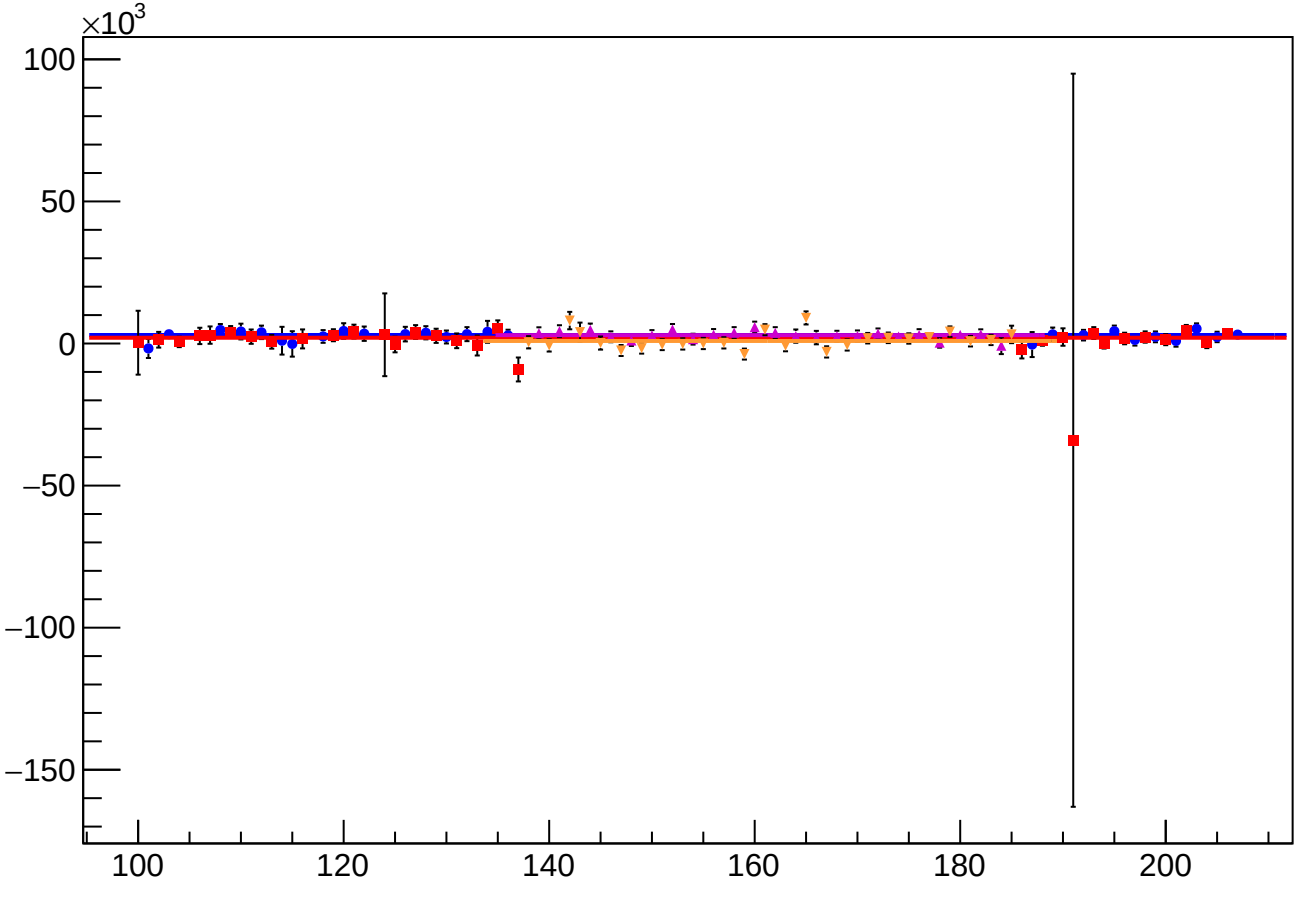
Right: -2230.932+/-1542.756 χ^2/NDF: 59.8/56

In: -267.605+/-1558.049 χ^2/NDF:42.6/48

Out: -1978.524+/-1420.550 χ^2/NDF:60.7/55

All: -1201.876+/-1049.732 χ^2/NDF: 103.9/10


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: 8458.781+/-1.604 χ²/NDF: 1967484.8/25
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: 8242.374+/-1.091 χ²/NDF: 5025891.8/56
In: 8742.418+/-1.102 χ²/NDF:3233792.4/48
Out: 8049.461+/-1.004 χ²/NDF:6387507.1/55
All: 8364.018+/-0.742 χ²/NDF: 9837334.3/10



Right In: 2992.116+/-447.573 χ^2/NDF: 8.8/25

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

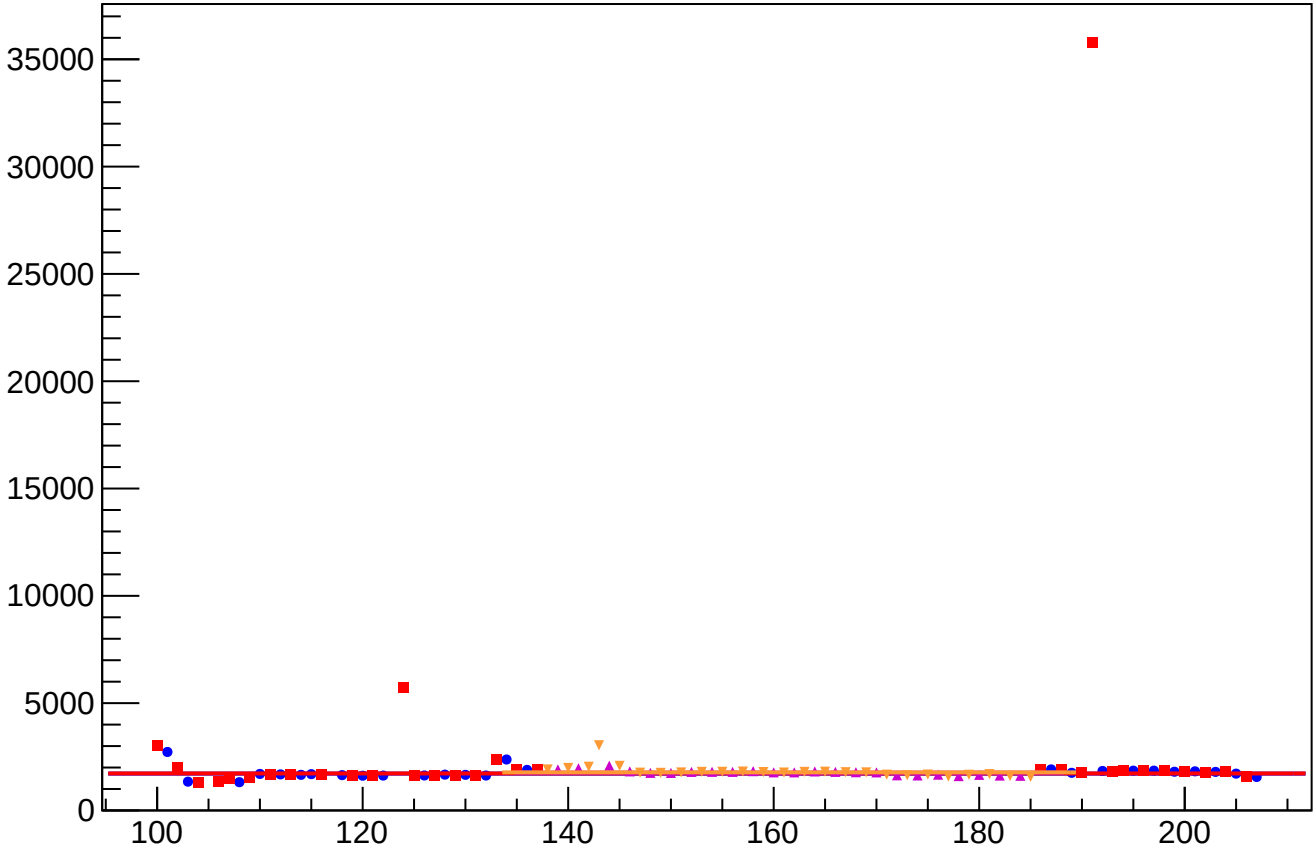
Right: 2497.547+/-311.890 χ^2/NDF: 33.1/56

In: 2965.626+/-303.153 χ^2/NDF:19.3/48

Out: 1425.319+/-296.584 χ^2/NDF:70.8/55

All: 2178.605+/-212.001 χ^2/NDF: 103.4/104

eigen_cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1716.582+/-0.316 χ^2/NDF: 493200.4/25

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

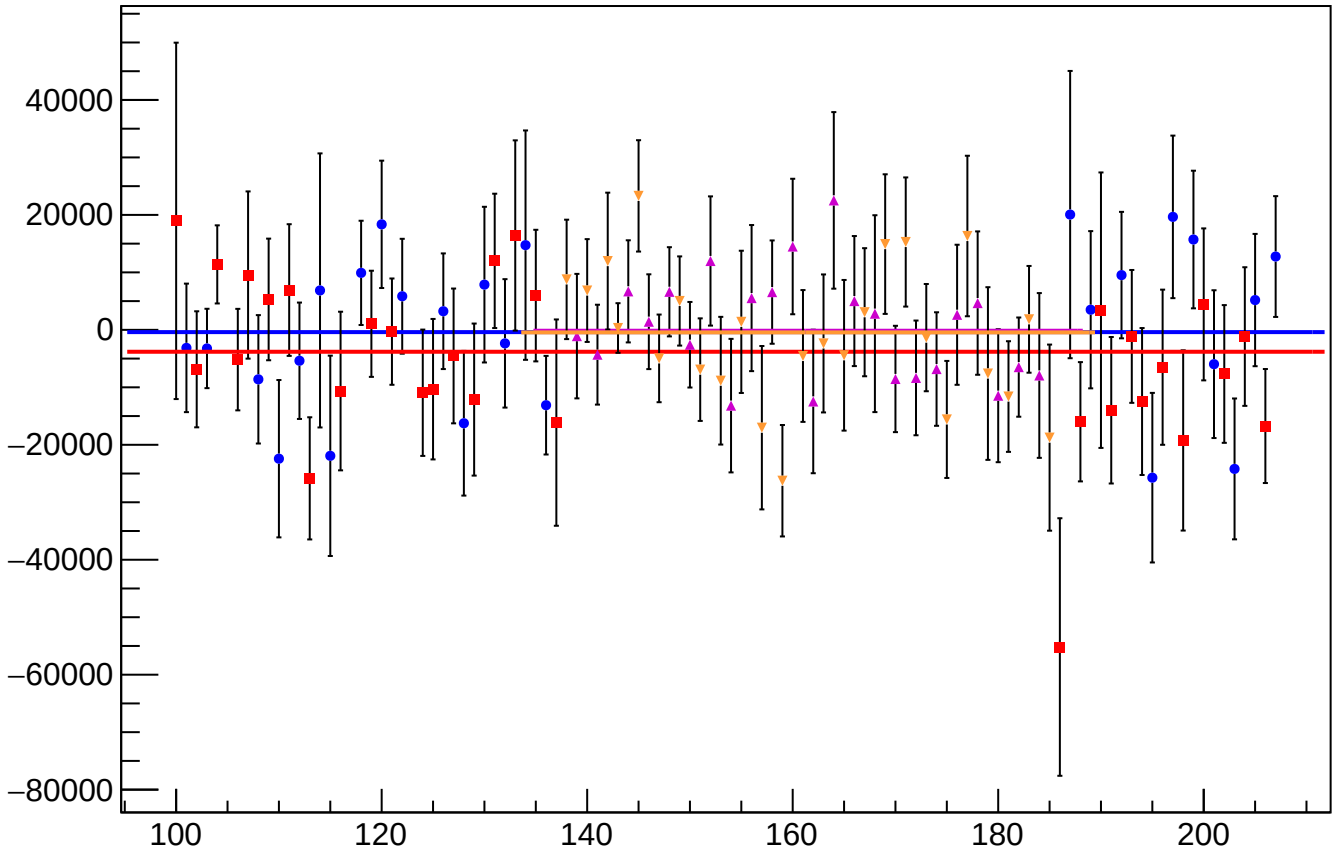
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1720.469+/-0.221 χ^2/NDF: 1186071.6/56

In: 1740.670+/-0.214 χ^2/NDF:650170.7/48

Out: 1751.197+/-0.210 χ^2/NDF:1153952.7/55

All: 1746.049+/-0.150 χ^2/NDF: 1805355.6/10



Right In: -393.478+/-2268.667 χ^2/NDF: 28.7/25

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

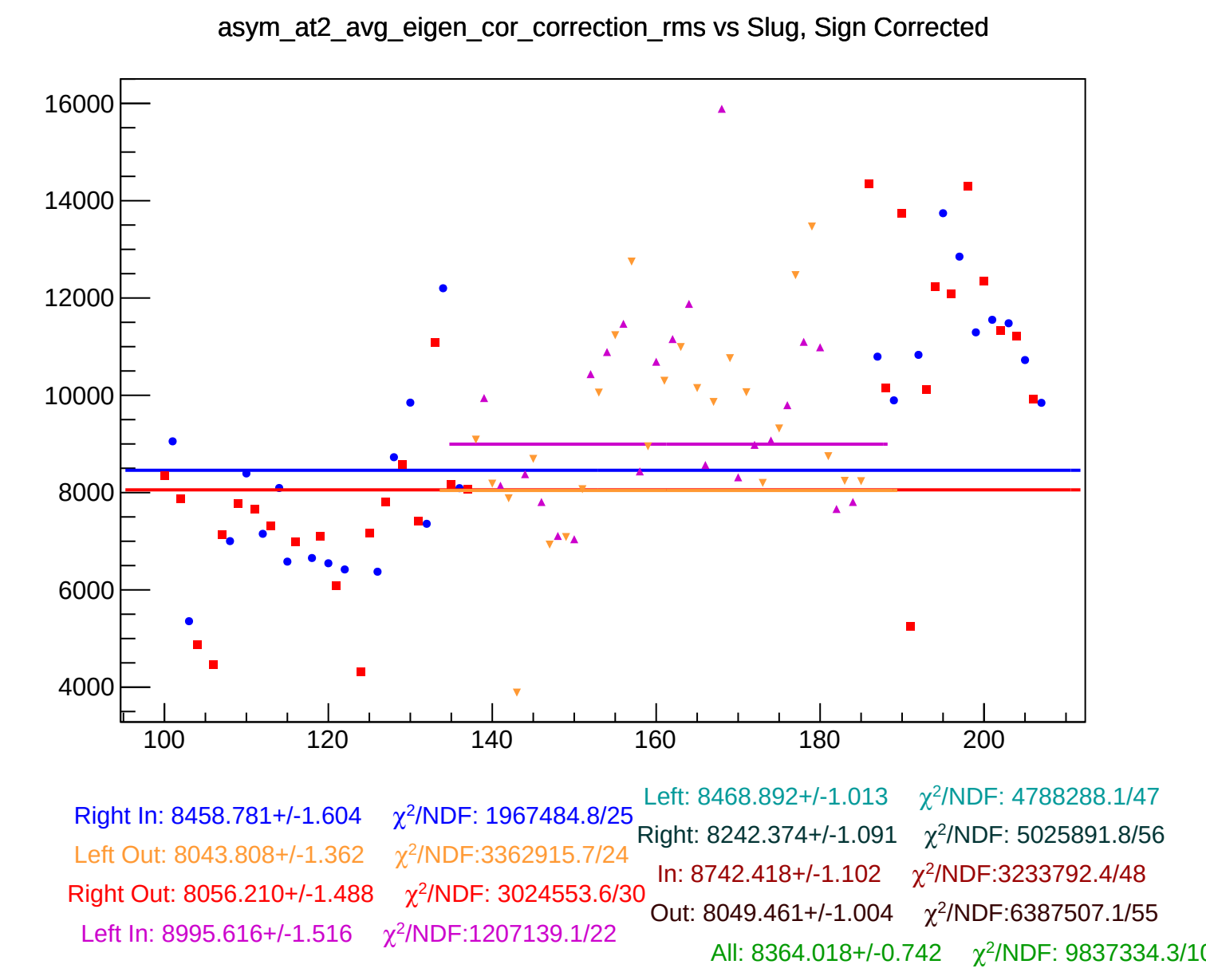
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

Right: -2230.932+/-1542.756 χ^2/NDF: 59.8/56

In: -267.605+/-1558.049 χ^2/NDF:42.6/48

Out: -1978.524+/-1420.550 χ^2/NDF:60.7/55

All: -1201.876+/-1049.732 χ^2/NDF: 103.9/10


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
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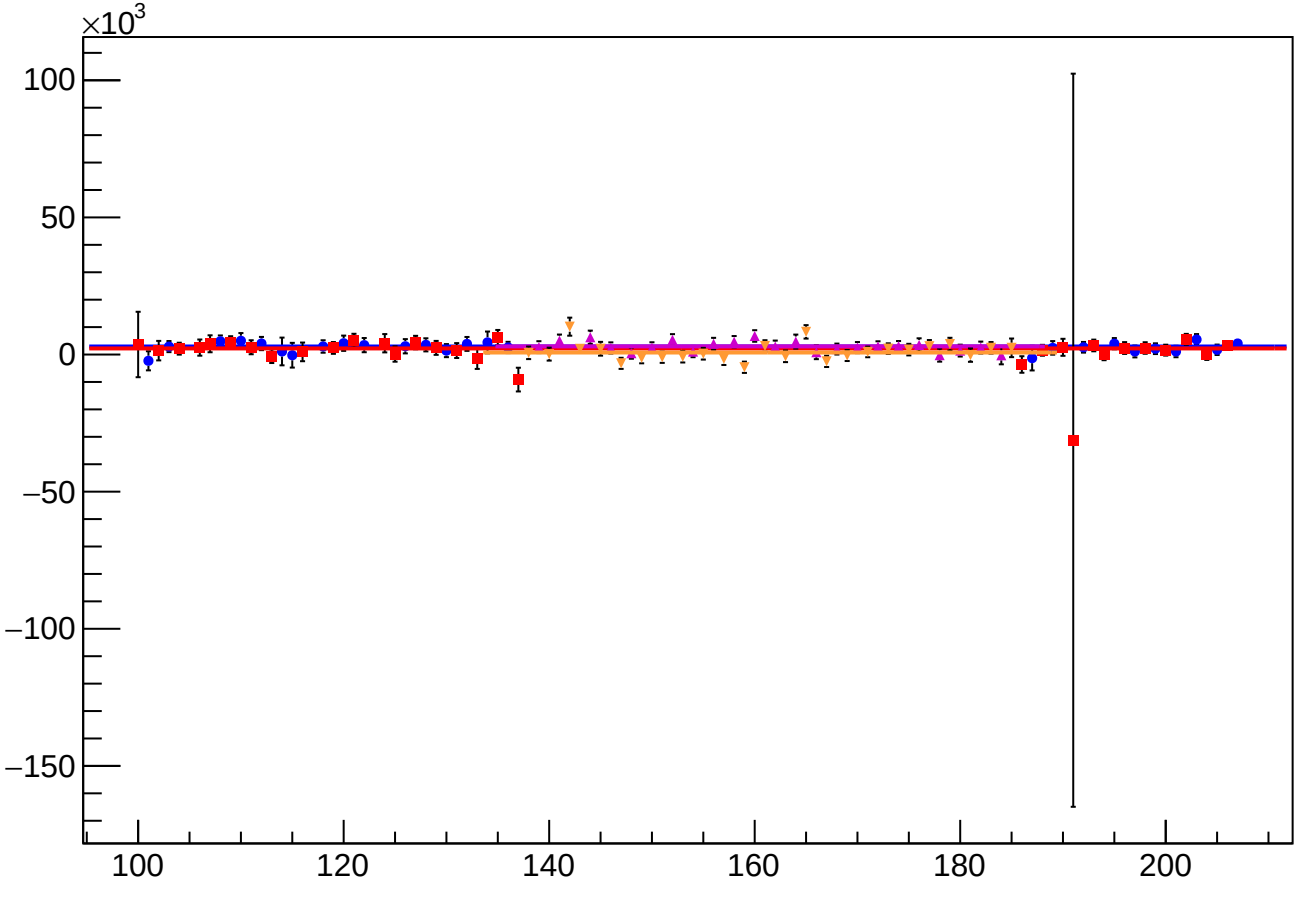
100
120
140
160
180
200
Right In: 8458.781+/-1.604 χ²/NDF: 1967484.8/25
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 8056.210+/-1.488 χ²/NDF: 3024553.6/30
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8242.374+/-1.091 χ²/NDF: 5025891.8/56
In: 8742.418+/-1.102 χ²/NDF:3233792.4/48
Out: 8049.461+/-1.004 χ²/NDF:6387507.1/55
All: 8364.018+/-0.742 χ²/NDF: 9837334.3/10

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2930.716+/-463.523 χ^2/NDF: 10.7/25

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

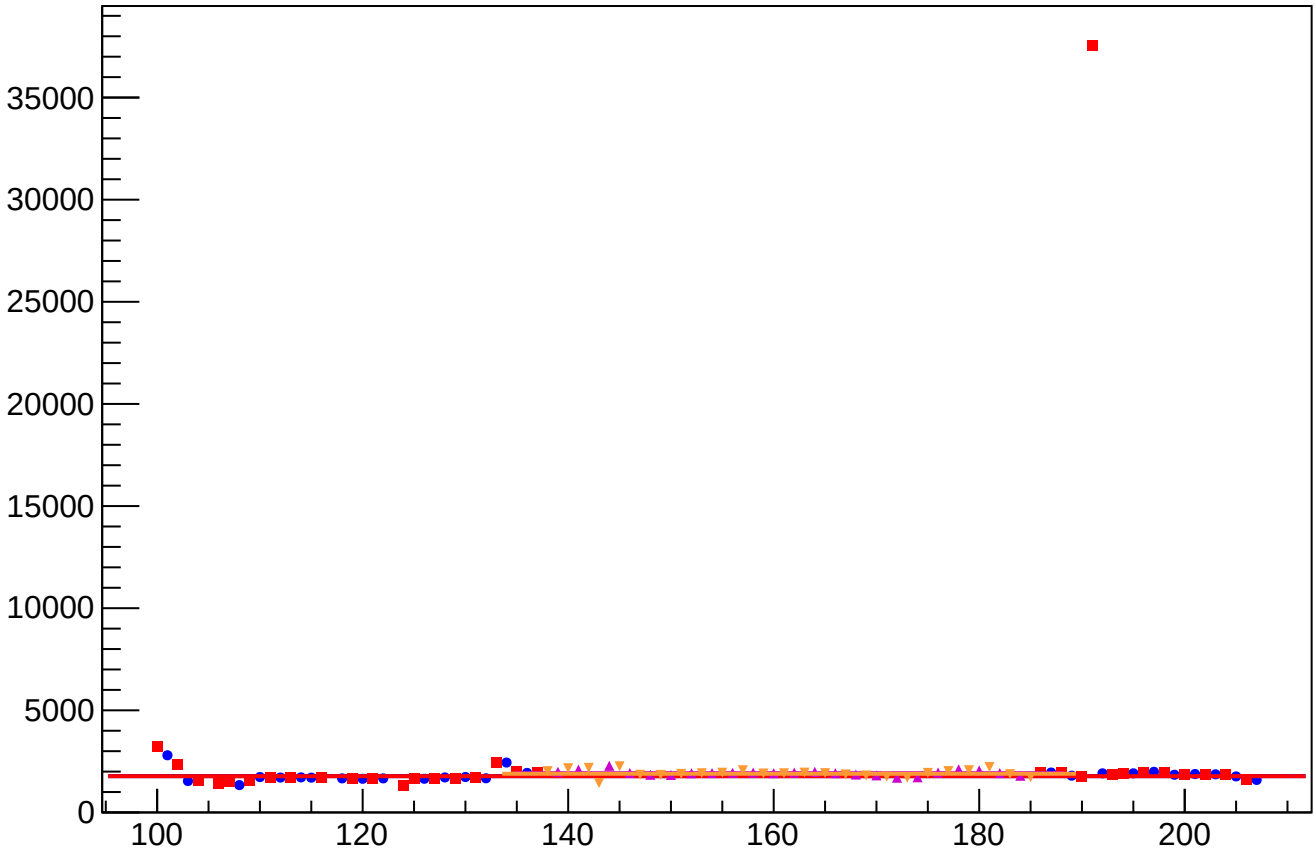
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2565.557+/-322.187 χ^2/NDF: 38.2/56

In: 2955.670+/-322.997 χ^2/NDF:26.3/48

Out: 1455.892+/-311.349 χ^2/NDF:73.6/55

All: 2178.253+/-224.162 χ^2/NDF: 111.1/104



Right In: 1777.992+/-0.328 χ^2/NDF: 455334.7/25

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

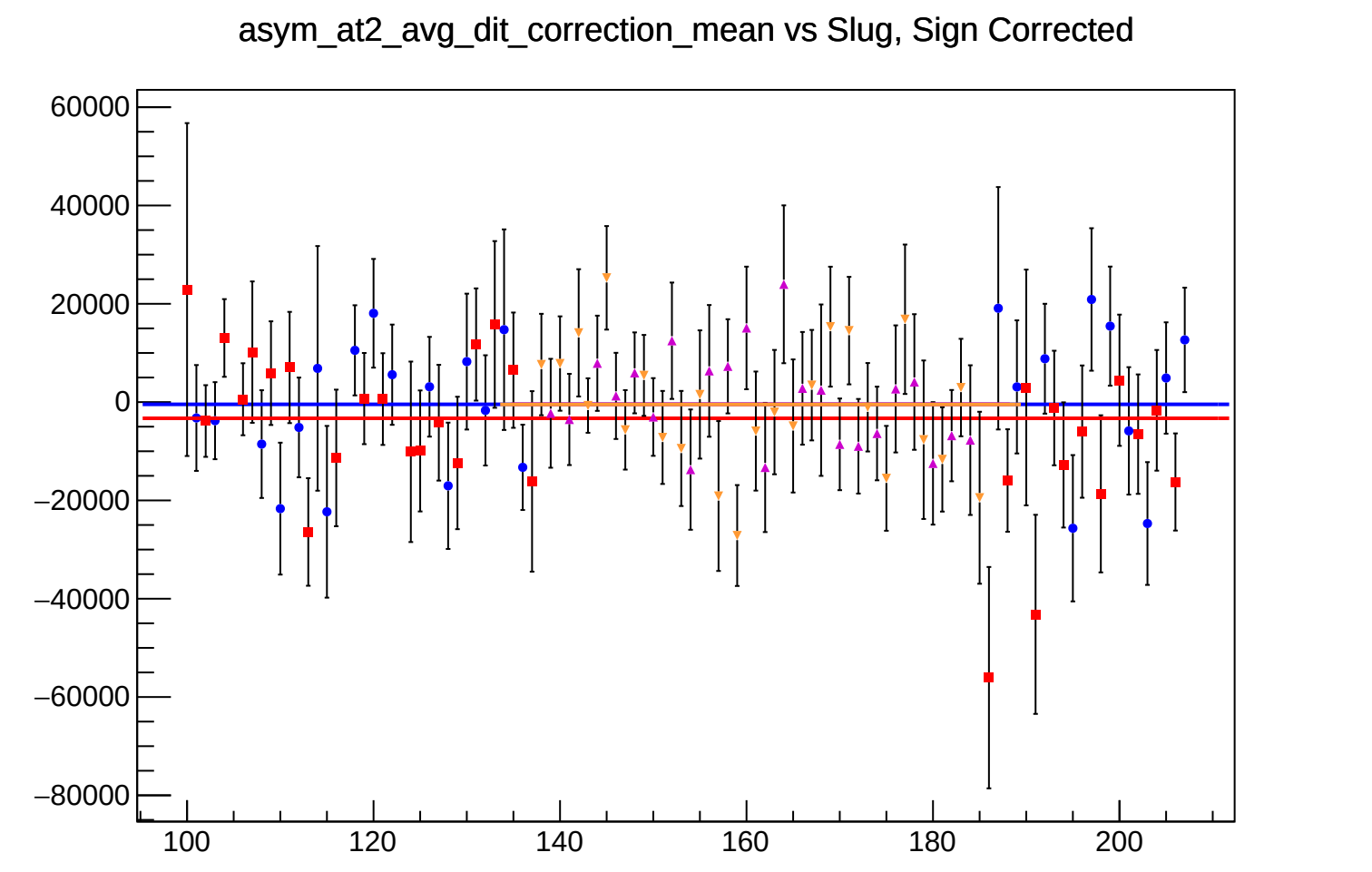
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1776.339+/-0.228 χ^2/NDF: 1017760.8/56

In: 1852.608+/-0.228 χ^2/NDF:707058.3/48

Out: 1836.806+/-0.220 χ^2/NDF:1005025.7/55

All: 1844.416+/-0.158 χ^2/NDF: 1714565.5/10



Right In: -453.621+/-2306.862 χ^2/NDF: 28.5/25

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

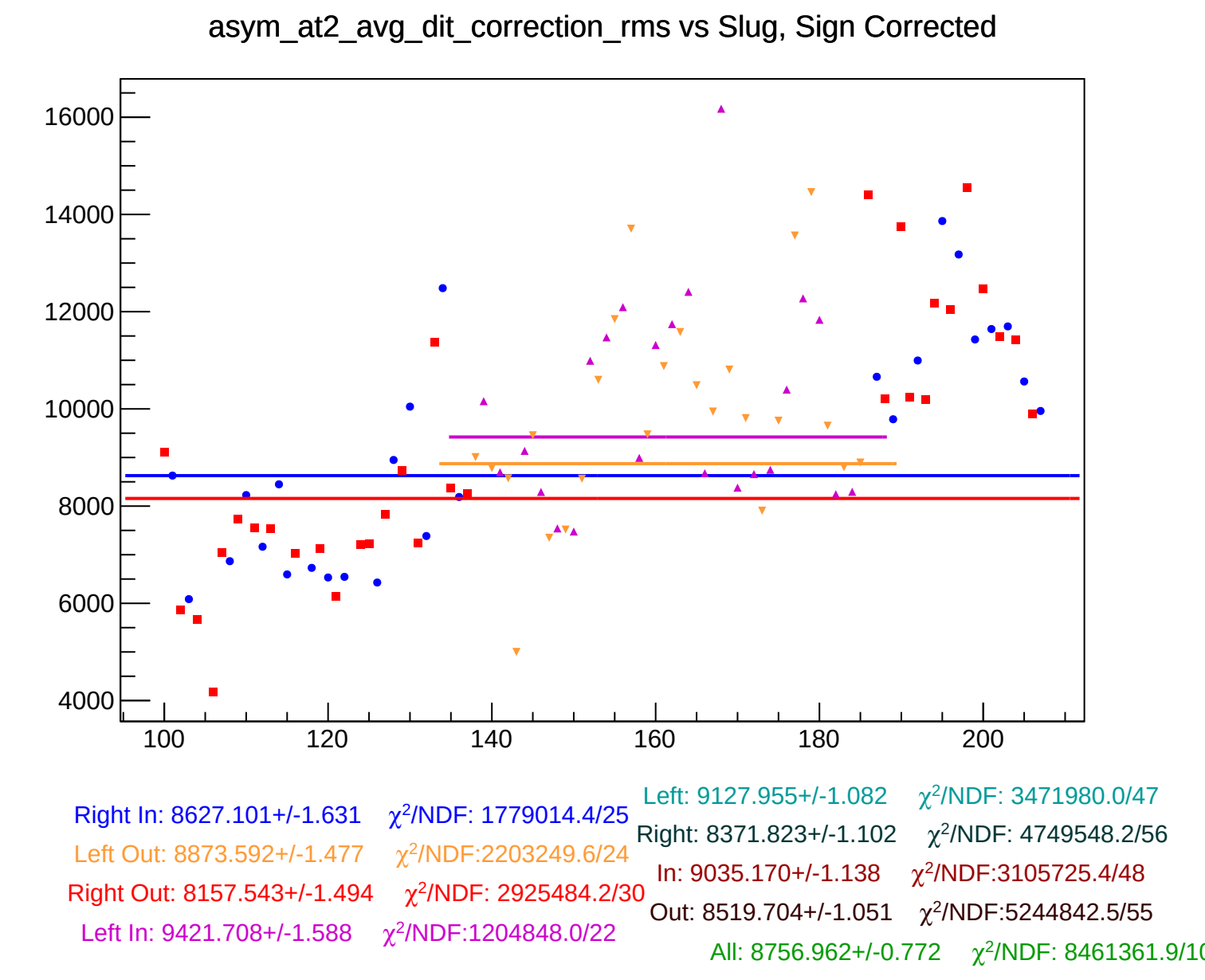
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

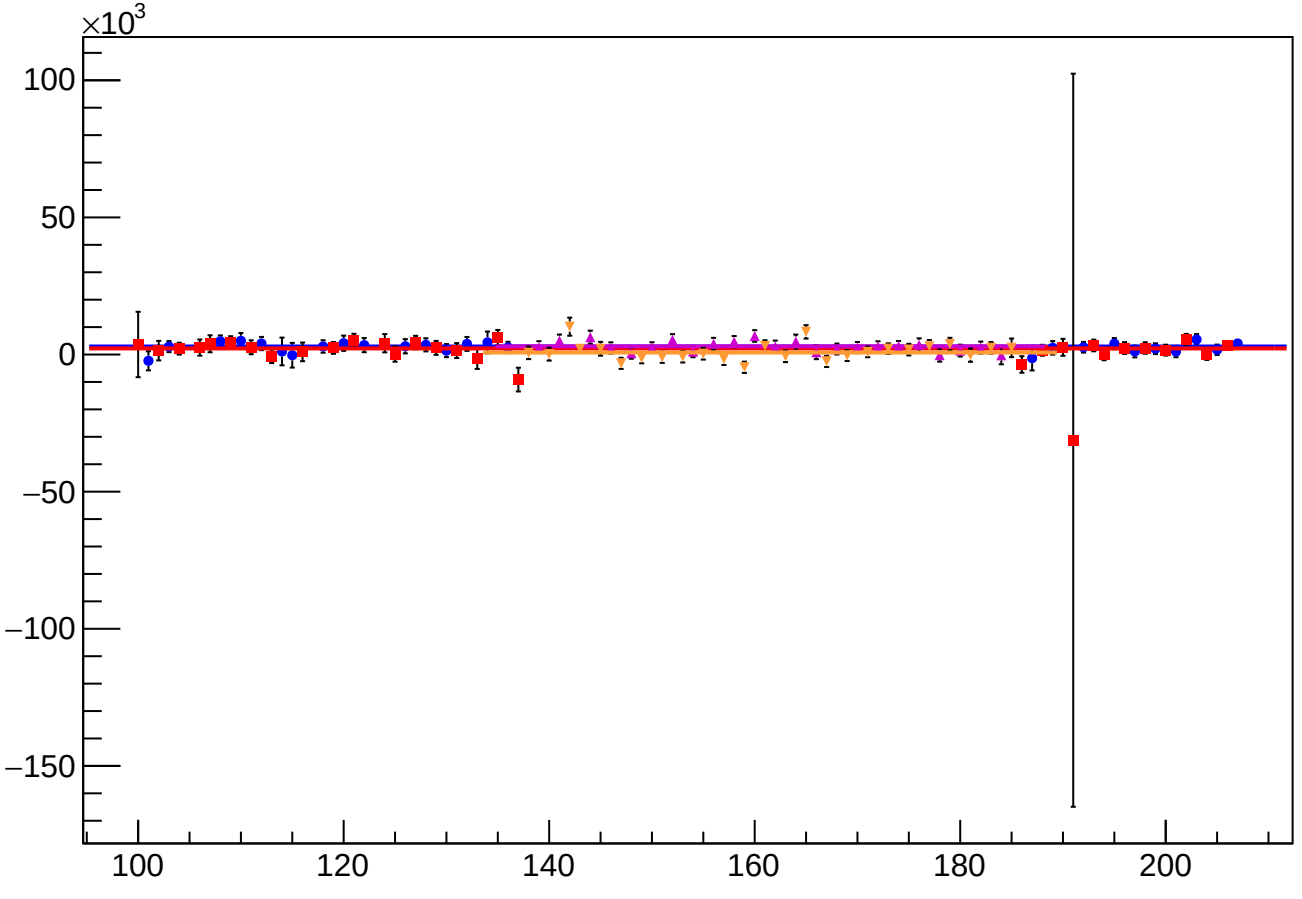
Right: -1997.628+/-1558.359 χ^2/NDF: 61.8/56

In: -444.940+/-1608.947 χ^2/NDF:42.1/48

Out: -1870.242+/-1485.822 χ^2/NDF:62.2/55

All: -1214.207+/-1091.570 χ^2/NDF: 104.7/10


asym_at2_avg_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8627.101+/-1.631 χ²/NDF: 1779014.4/25
Left Out: 8873.592+/-1.477 χ²/NDF:2203249.6/24
Right Out: 8157.543+/-1.494 χ²/NDF: 2925484.2/30
Left In: 9421.708+/-1.588 χ²/NDF:1204848.0/22
Left: 9127.955+/-1.082 χ²/NDF: 3471980.0/47
Right: 8371.823+/-1.102 χ²/NDF: 4749548.2/56
In: 9035.170+/-1.138 χ²/NDF:3105725.4/48
Out: 8519.704+/-1.051 χ²/NDF:5244842.5/55
All: 8756.962+/-0.772 χ²/NDF: 8461361.9/10



Right In: 2930.712+/-463.523 χ^2/NDF: 10.7/25

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

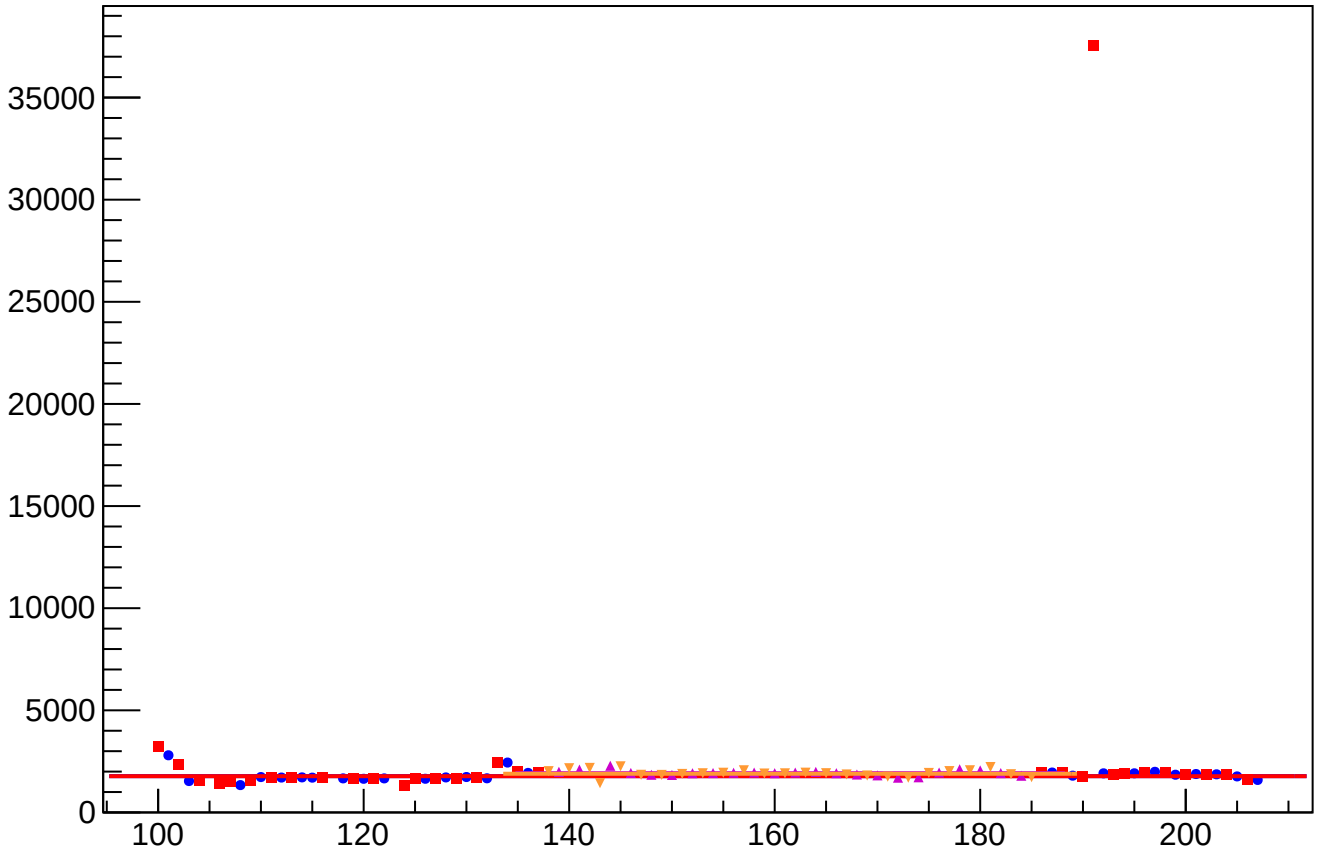
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2565.555+/-322.187 χ^2/NDF: 38.2/56

In: 2955.669+/-322.997 χ^2/NDF:26.3/48

Out: 1455.886+/-311.350 χ^2/NDF:73.6/55

All: 2178.250+/-224.162 χ^2/NDF: 111.1/104



Right In: 1777.991+/-0.328 χ^2/NDF: 455335.0/25

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

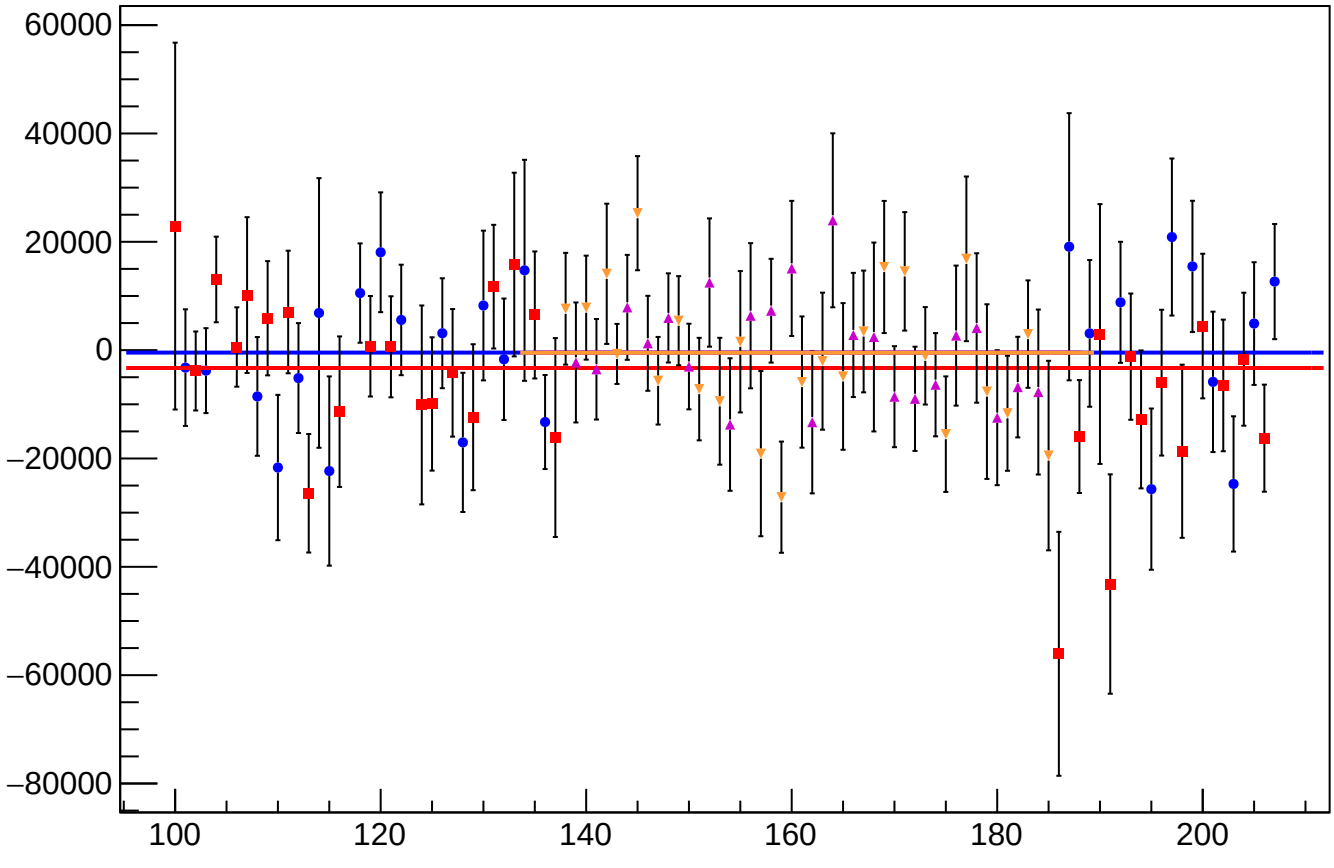
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1776.339+/-0.228 χ^2/NDF: 1017762.9/56

In: 1852.609+/-0.228 χ^2/NDF:707070.6/48

Out: 1836.808+/-0.220 χ^2/NDF:1005038.7/55

All: 1844.418+/-0.158 χ^2/NDF: 1714590.8/10



Right In: -453.612+/-2306.860 χ^2/NDF: 28.5/25

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

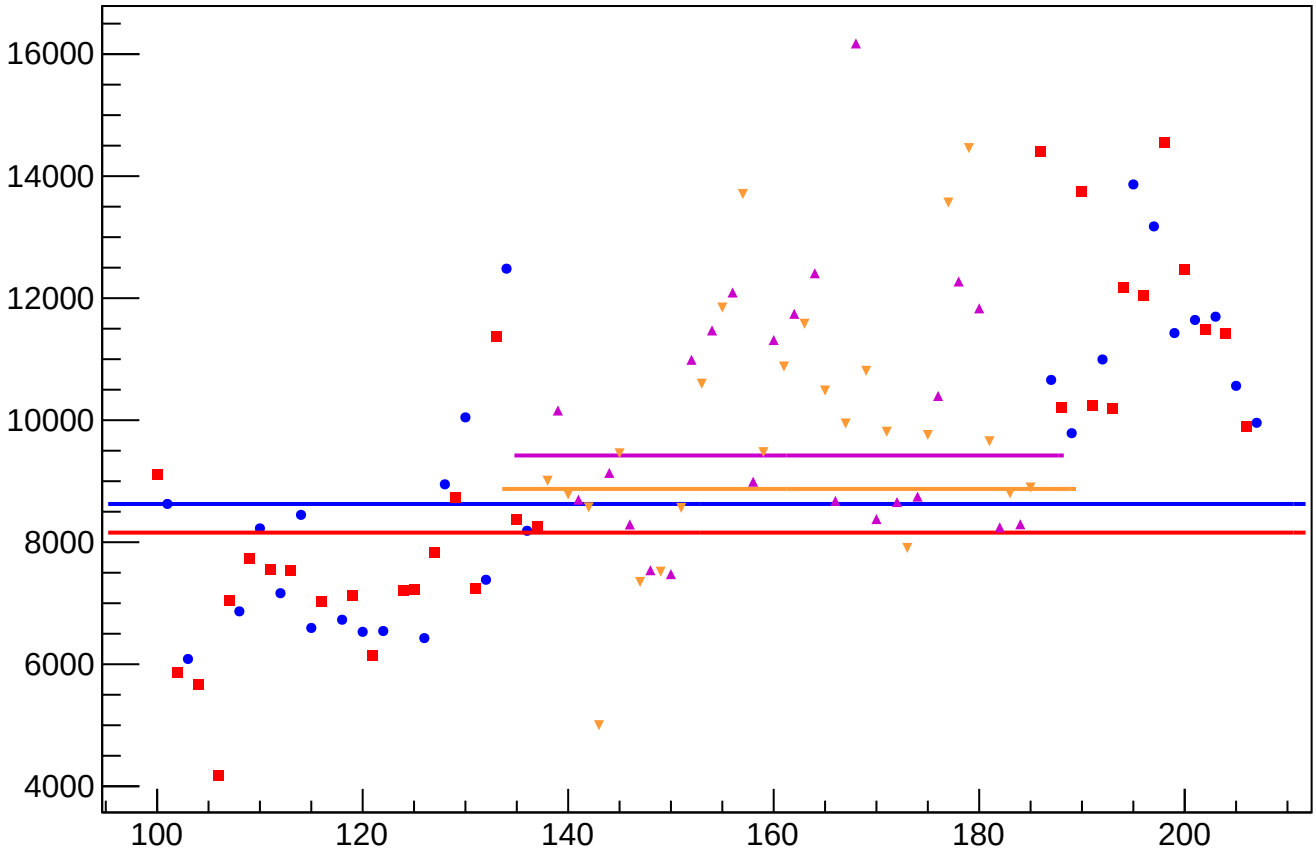
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1997.616+/-1558.357 χ^2/NDF: 61.8/56

In: -444.937+/-1608.947 χ^2/NDF:42.1/48

Out: -1870.242+/-1485.822 χ^2/NDF:62.2/55

All: -1214.205+/-1091.571 χ^2/NDF: 104.7/10



Right In: 8627.090+/-1.631 χ^2/NDF: 1779039.7/25

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

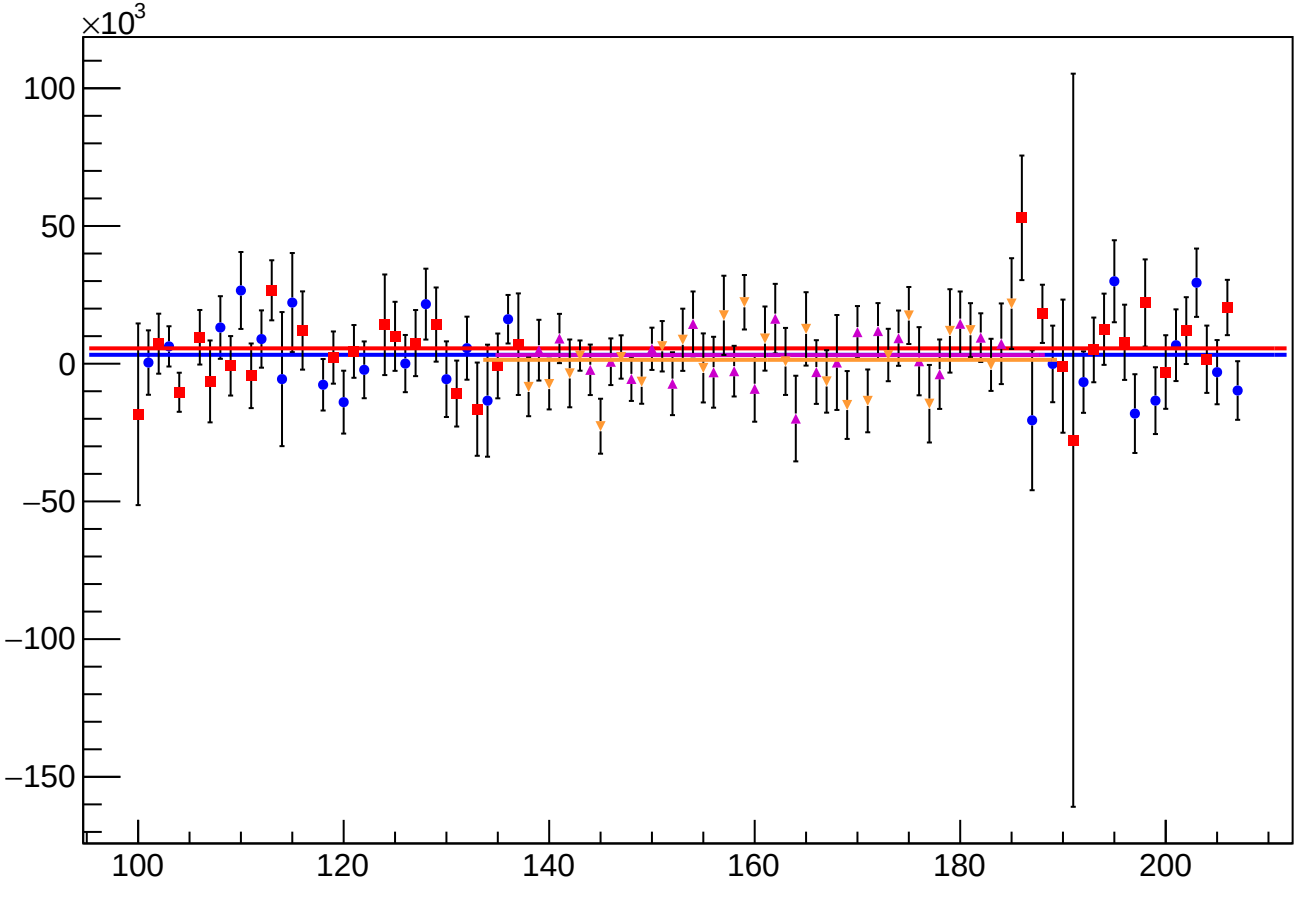
Right: 8371.811+/-1.102 χ^2/NDF: 4749596.1/56

In: 9035.170+/-1.138 χ^2/NDF:3105762.5/48

Out: 8519.705+/-1.051 χ^2/NDF:5244875.0/55

All: 8756.962+/-0.772 χ^2/NDF: 8461431.5/10

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3229.411+/-2328.051 χ^2/NDF: 30.0/25

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

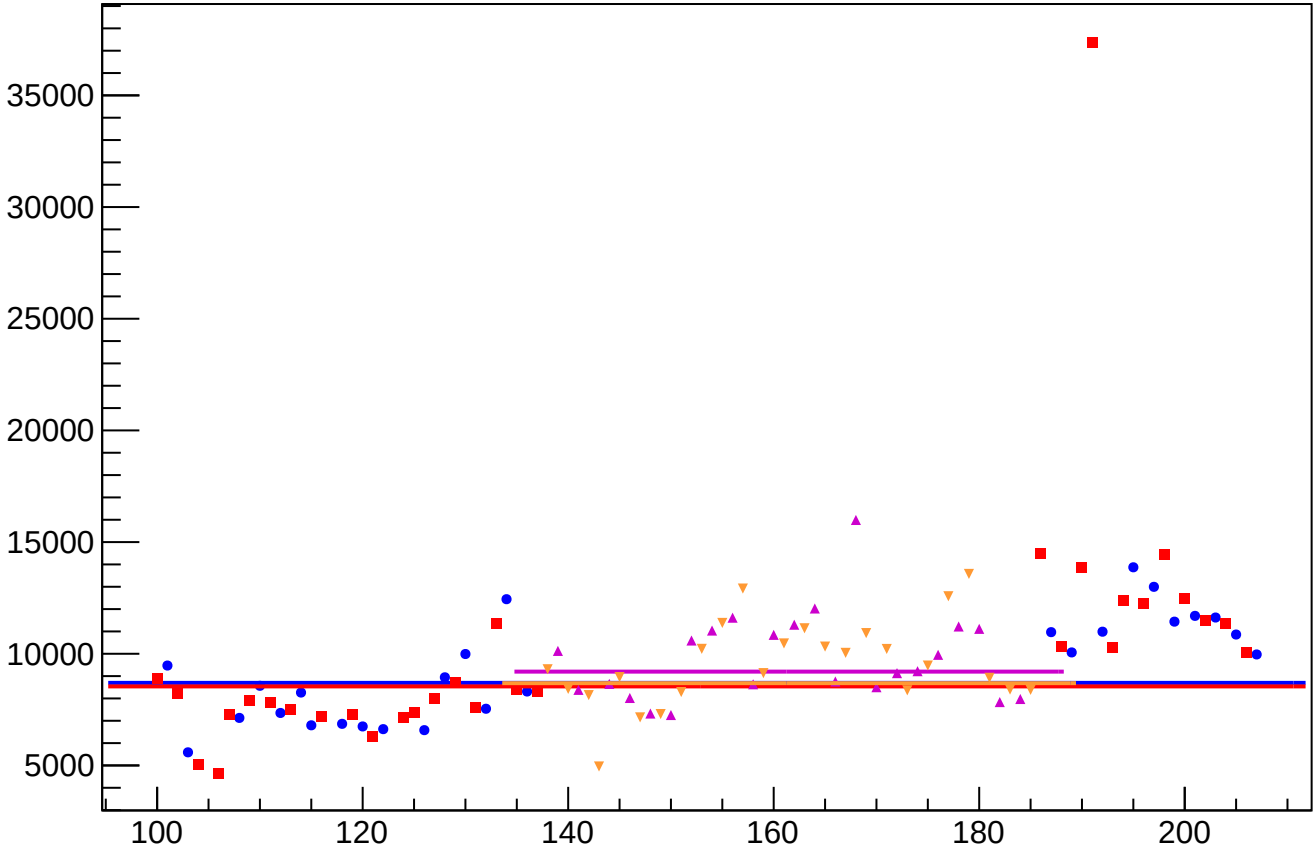
Right: 4453.007+/-1608.707 χ^2/NDF: 57.1/56

In: 3181.574+/-1594.929 χ^2/NDF:43.0/48

Out: 3308.949+/-1503.778 χ^2/NDF:55.9/55

All: 3249.005+/-1094.137 χ^2/NDF: 98.9/104

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8697.299+/-1.646 χ^2/NDF: 1834319.4/25

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

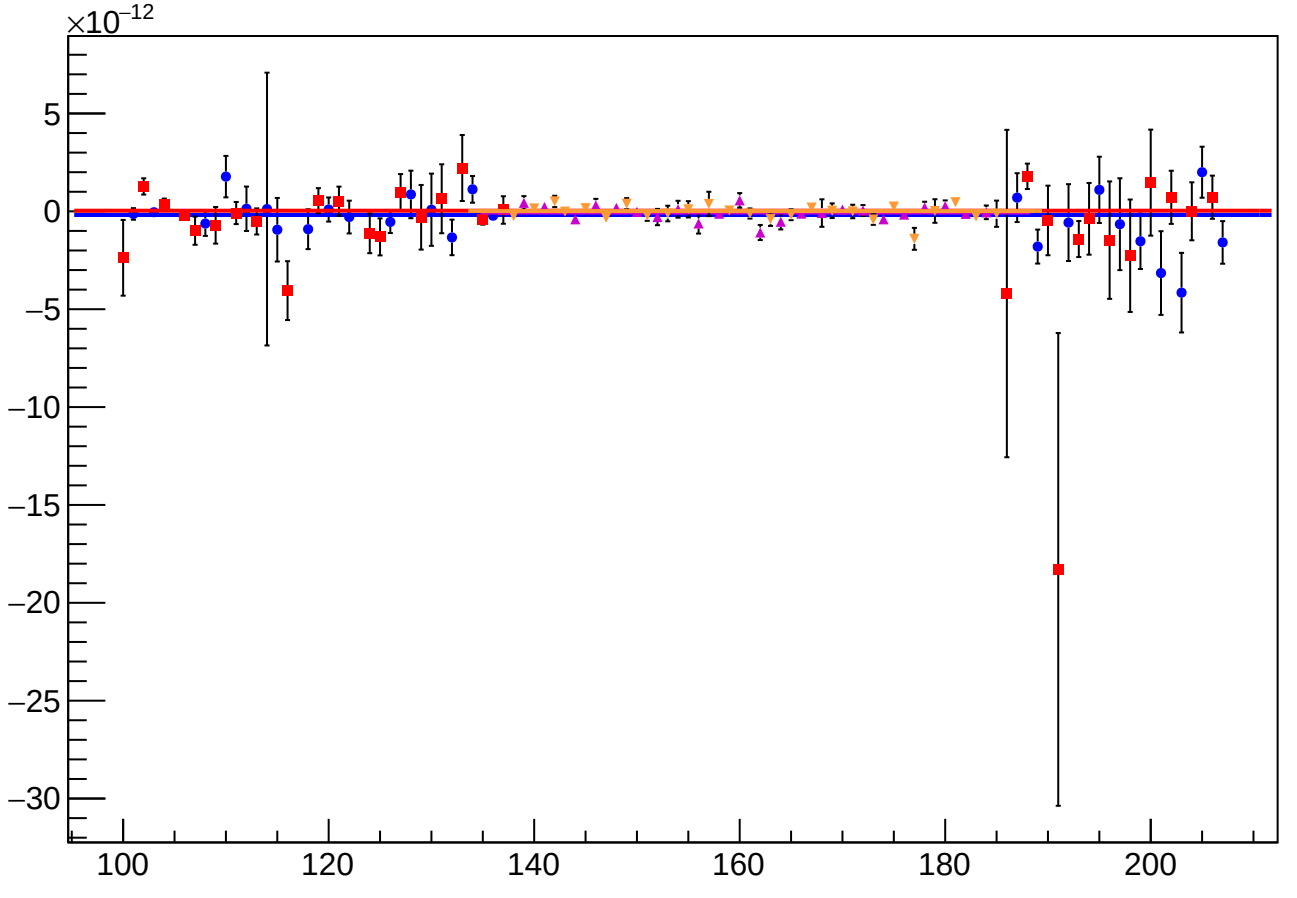
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8614.413+/-1.137 χ^2/NDF: 4420911.2/56

In: 8964.478+/-1.128 χ^2/NDF:3013382.7/48

Out: 8617.944+/-1.063 χ^2/NDF:4638032.0/55

All: 8781.022+/-0.774 χ^2/NDF: 7701398.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/25

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

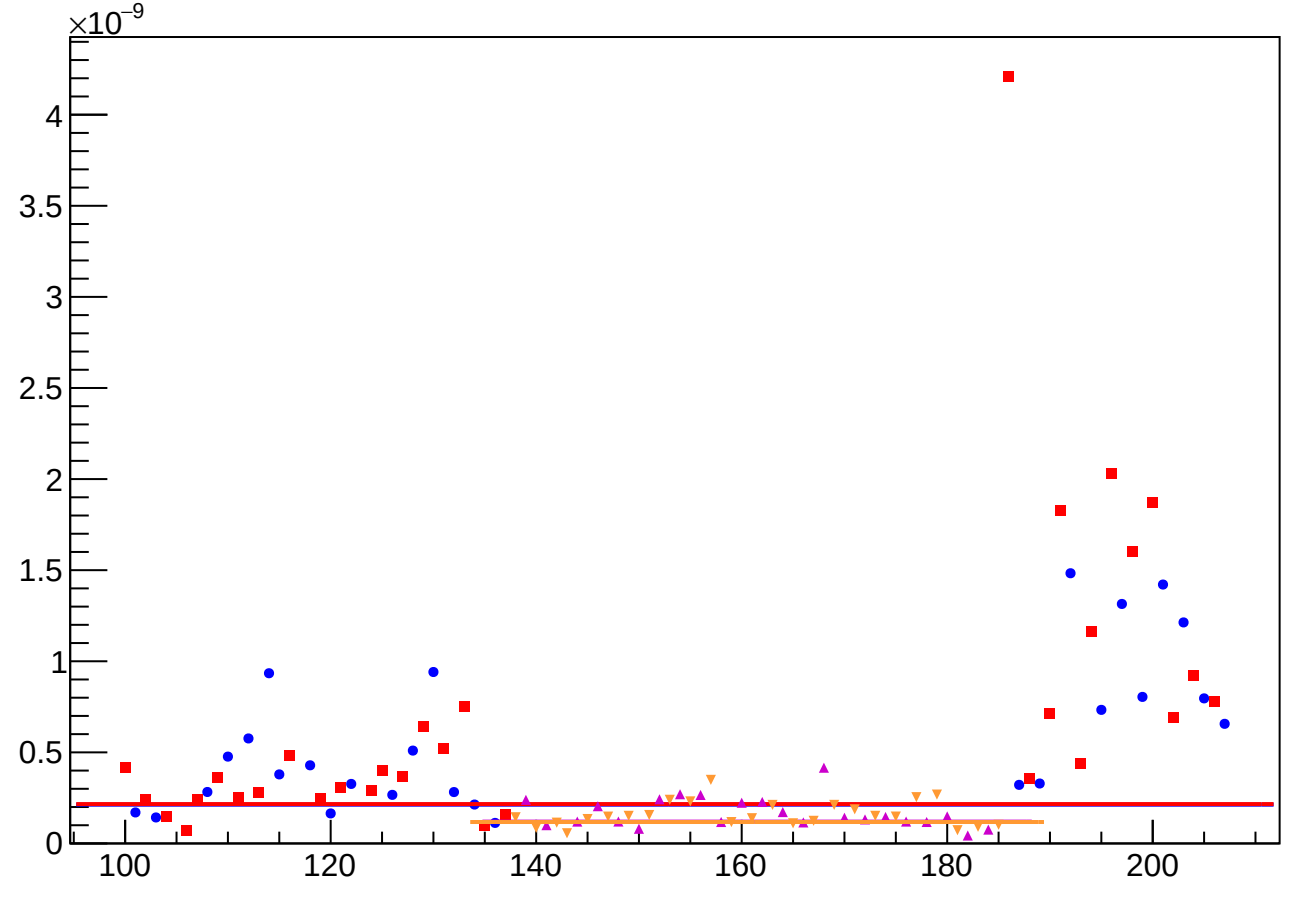
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 76.4/56

In: -0.000+/-0.000 χ^2/NDF:56.2/48

Out: 0.000+/-0.000 χ^2/NDF:76.0/55

All: -0.000+/-0.000 χ^2/NDF: 134.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 5426194.4/25

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

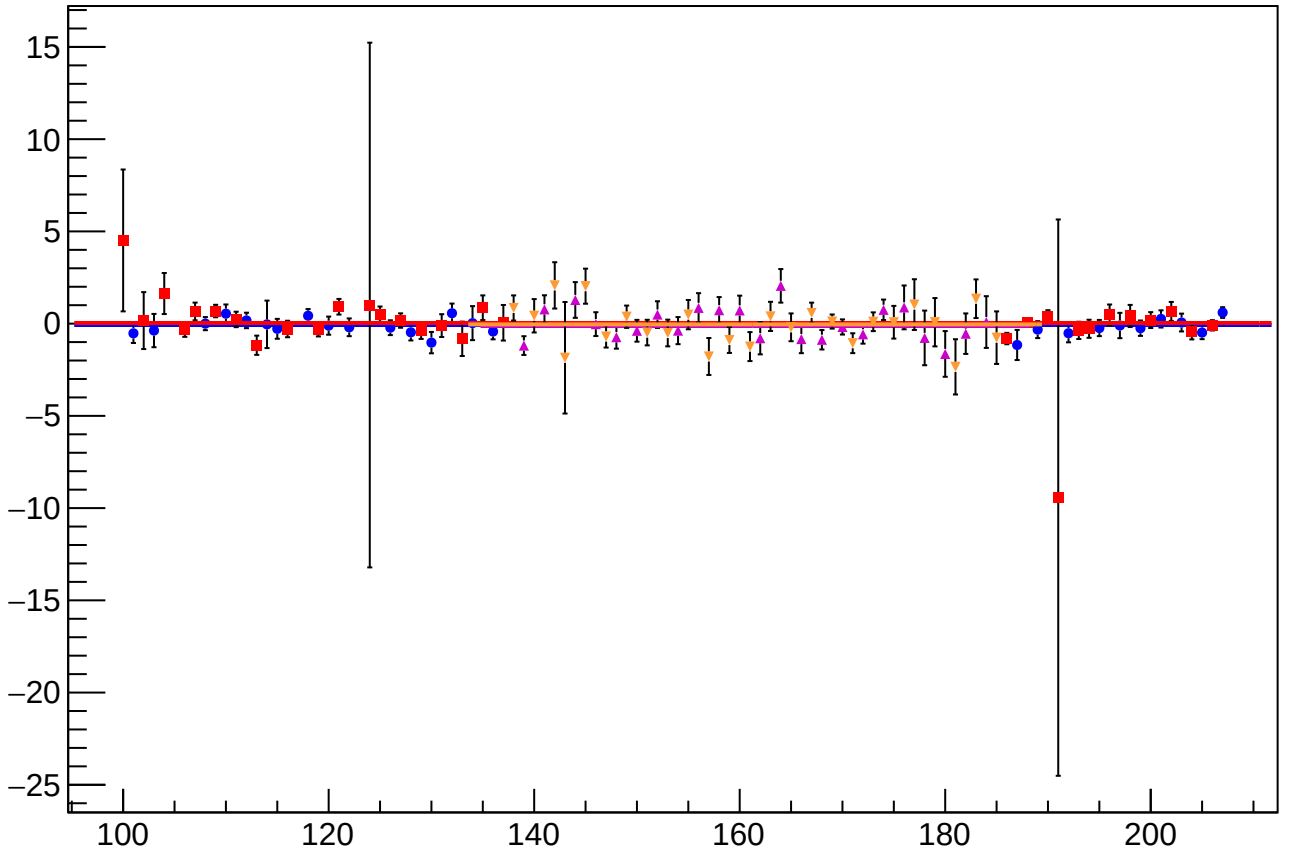
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 11863105.5/56

In: 0.000+/-0.000 χ^2/NDF:9163209.0/48

Out: 0.000+/-0.000 χ^2/NDF:9966337.8/55

All: 0.000+/-0.000 χ^2/NDF: 19134509.1/104



Right In: -0.074+/-0.092 χ^2/NDF: 21.3/25

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

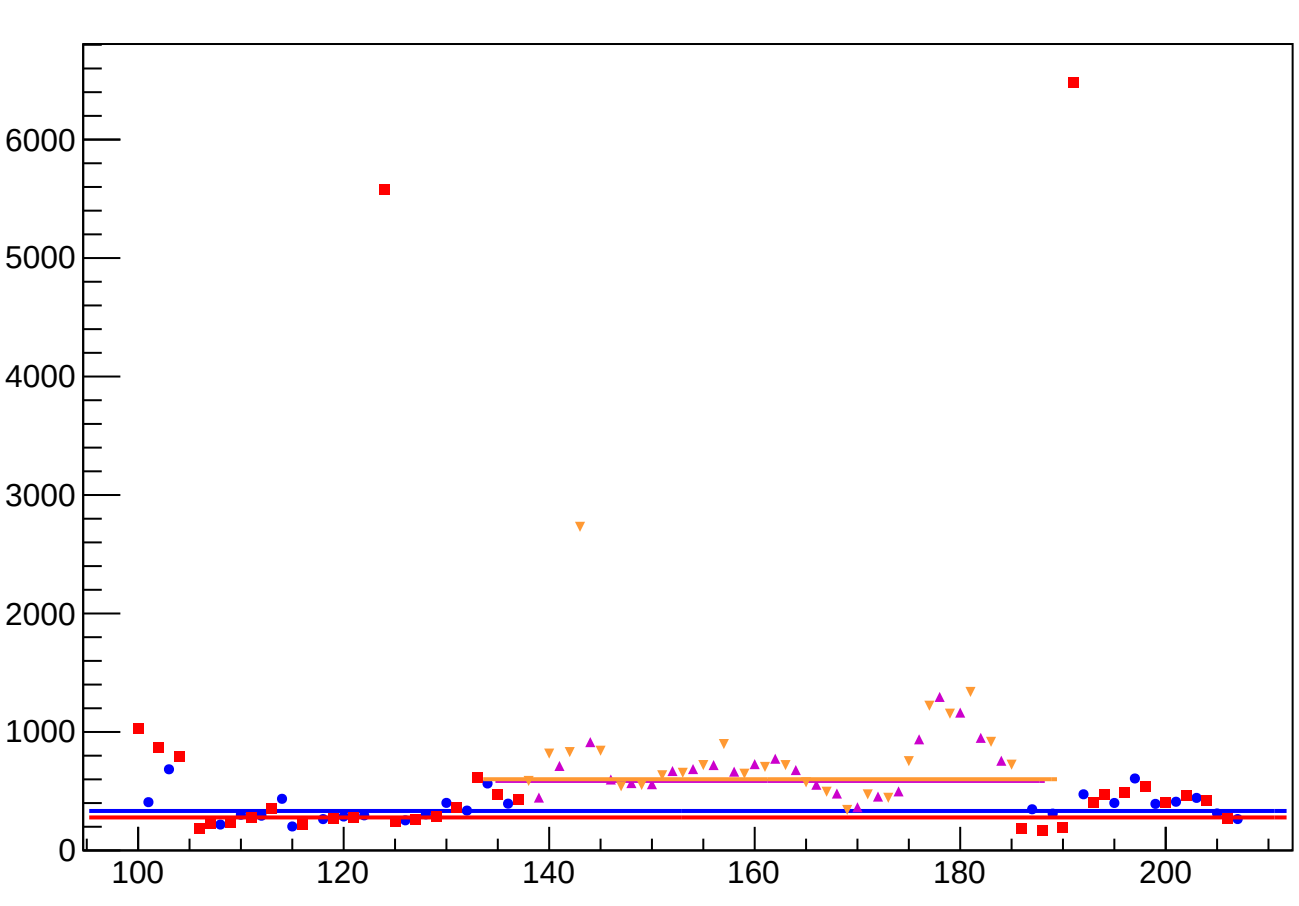
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.011+/-0.059 χ^2/NDF: 61.8/56

In: -0.089+/-0.077 χ^2/NDF:50.4/48

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.029+/-0.052 χ^2/NDF: 121.5/104



Right In: 333.267+/-0.065 χ^2/NDF: 1947620.8/25

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

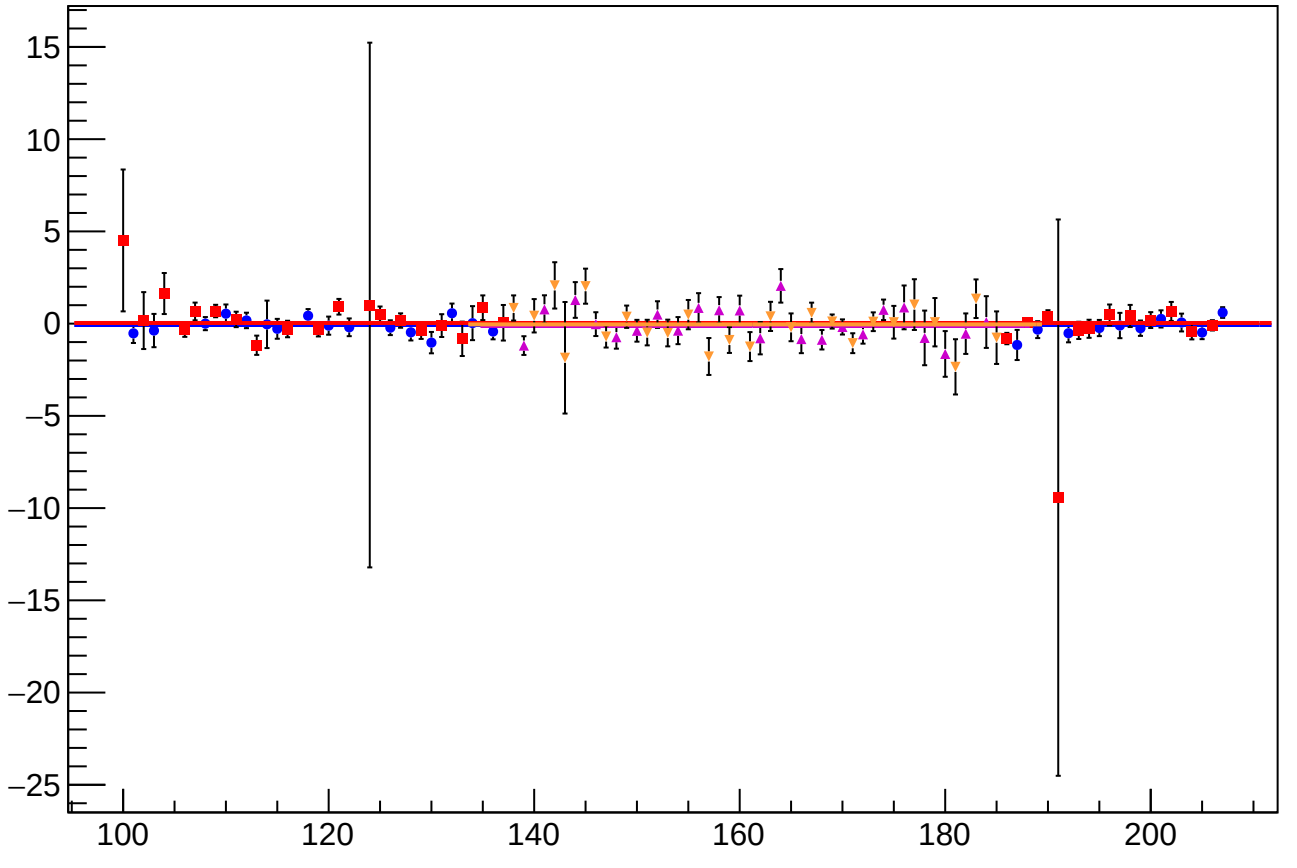
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 301.650+/-0.042 χ^2/NDF: 7342392.8/56

In: 405.380+/-0.055 χ^2/NDF:9246207.1/48

Out: 349.309+/-0.049 χ^2/NDF:16911727.6/55

All: 374.149+/-0.036 χ^2/NDF: 26742013.4/10



Right In: -0.074+/-0.092 χ^2/NDF: 21.3/25

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

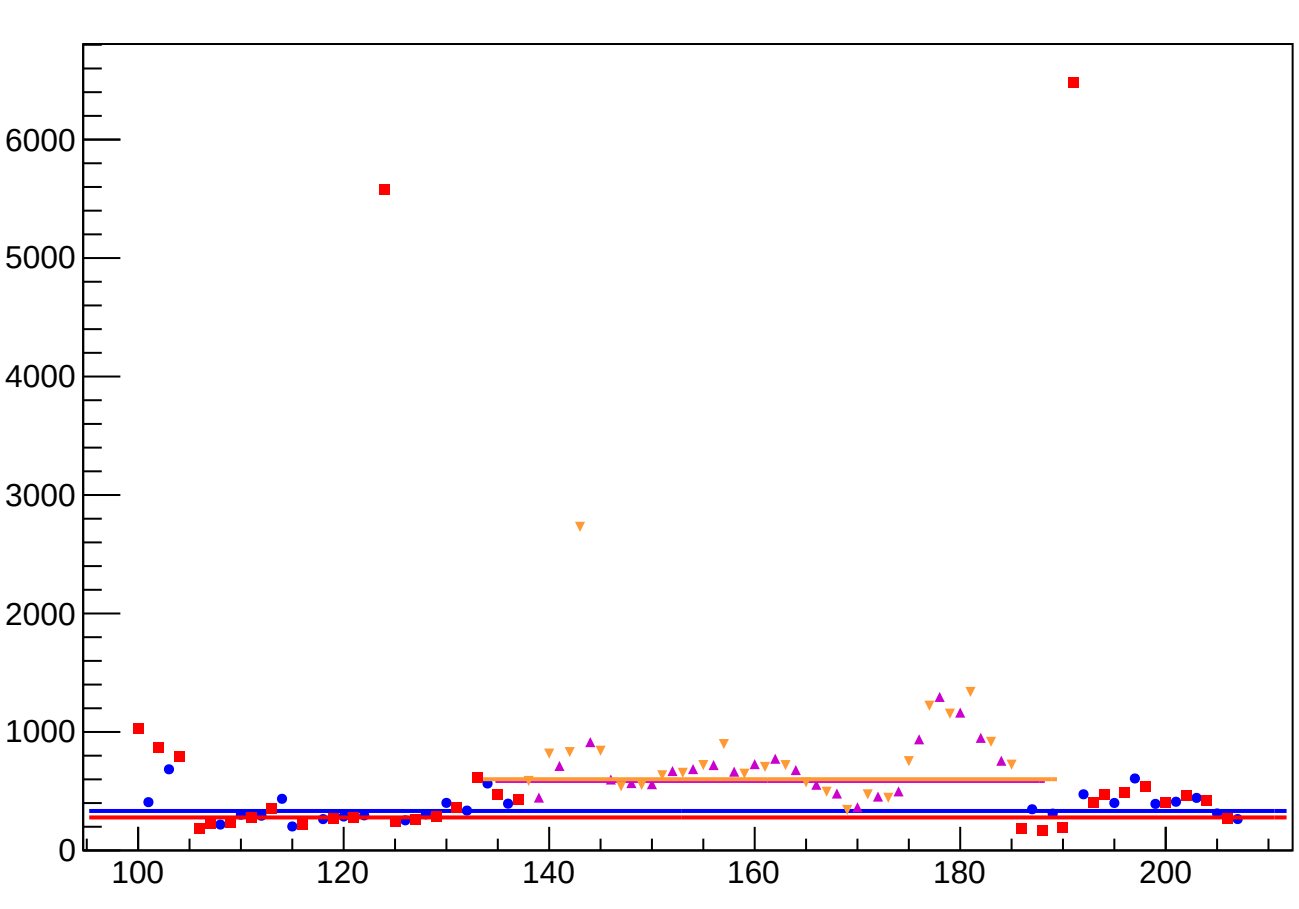
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.011+/-0.059 χ^2/NDF: 61.8/56

In: -0.089+/-0.077 χ^2/NDF:50.4/48

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.029+/-0.052 χ^2/NDF: 121.5/104



Right In: 333.267+/-0.065 χ^2/NDF: 1947620.8/25

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

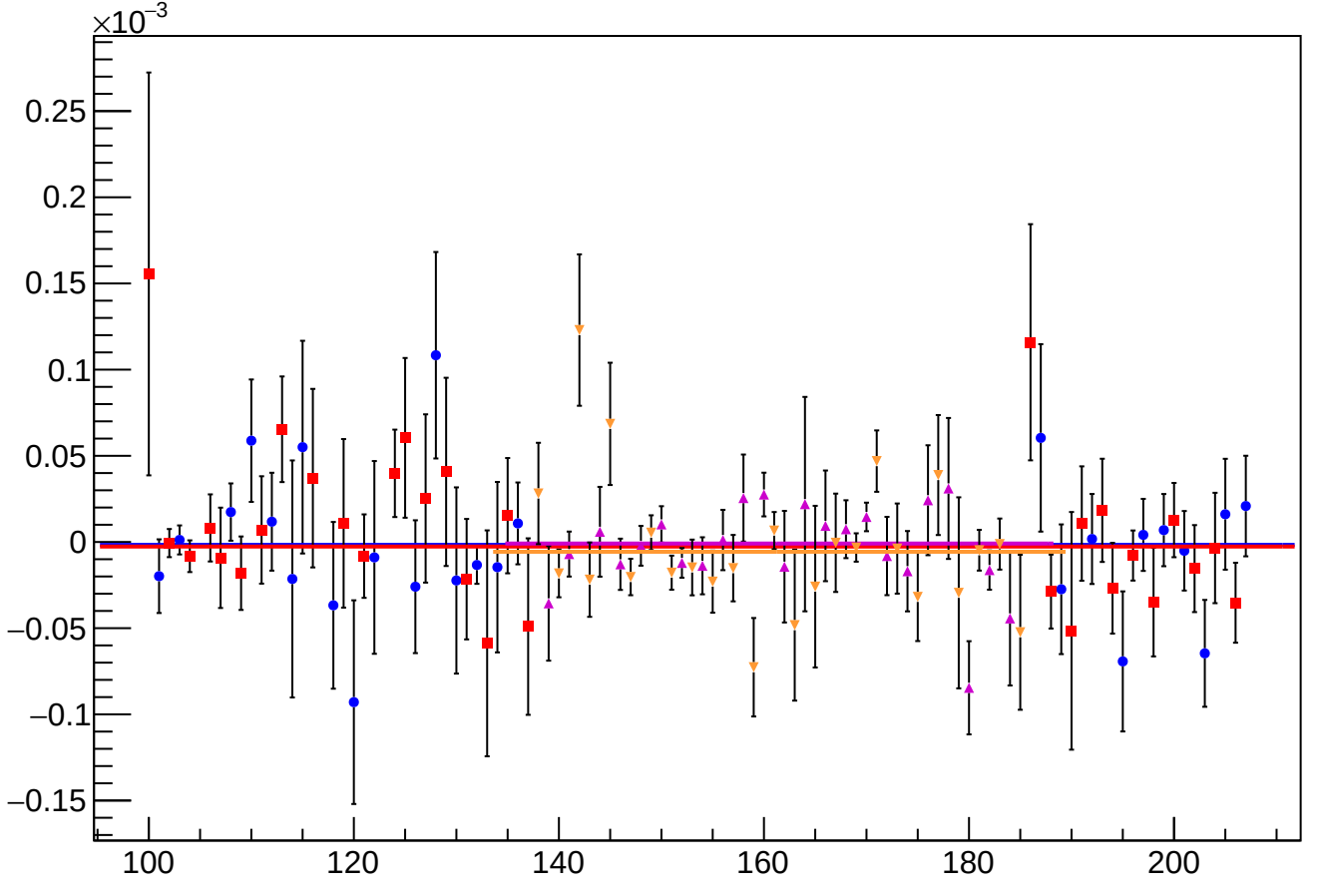
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 301.650+/-0.042 χ^2/NDF: 7342392.8/56

In: 405.380+/-0.055 χ^2/NDF:9246207.1/48

Out: 349.309+/-0.049 χ^2/NDF:16911727.6/55

All: 374.149+/-0.036 χ^2/NDF: 26742013.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/25

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

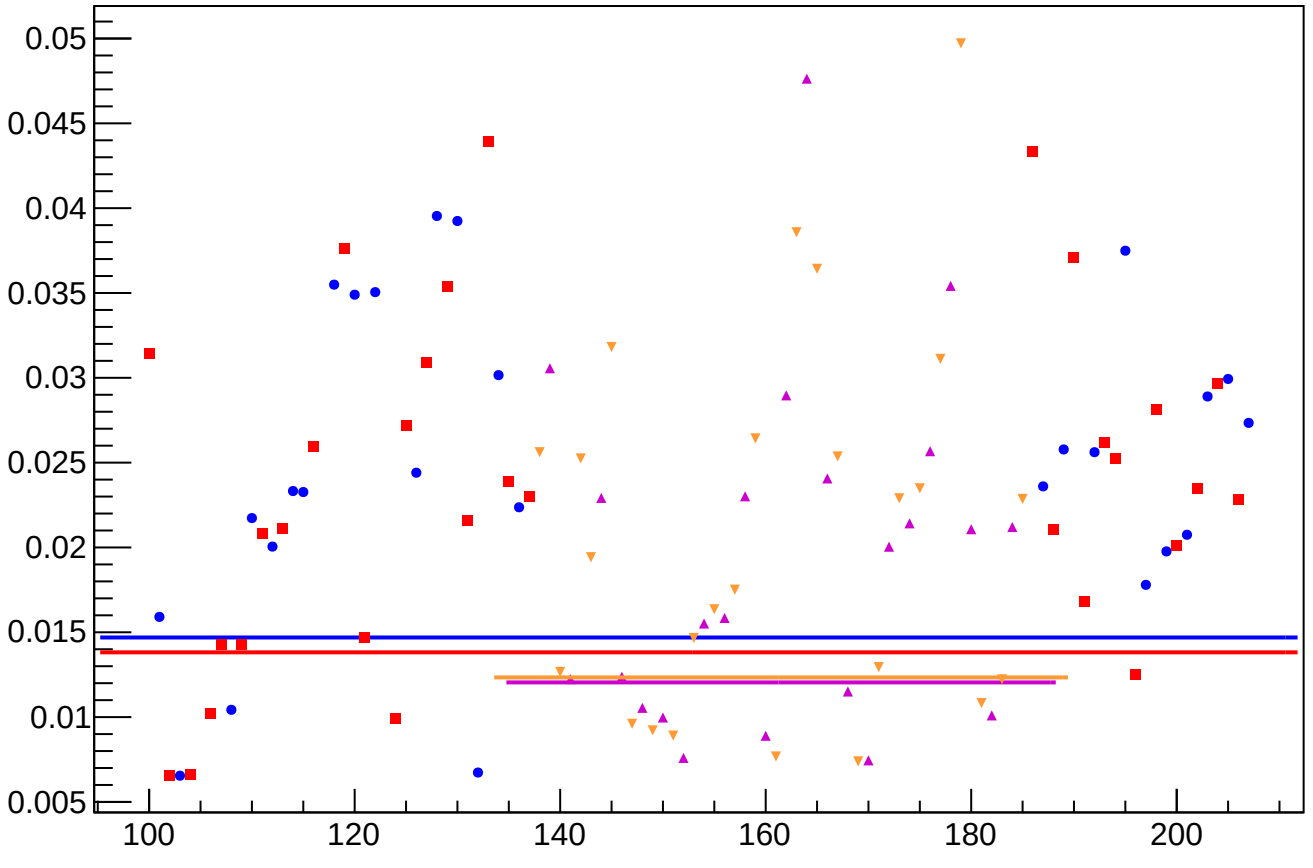
Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

Right: -0.000+/-0.000 χ^2/NDF: 51.4/56

In: -0.000+/-0.000 χ^2/NDF:54.6/48

Out: -0.000+/-0.000 χ^2/NDF:70.0/55

All: -0.000+/-0.000 χ^2/NDF: 125.4/104



Right In: 0.015+/-0.000 χ^2/NDF: 8200886.6/25

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

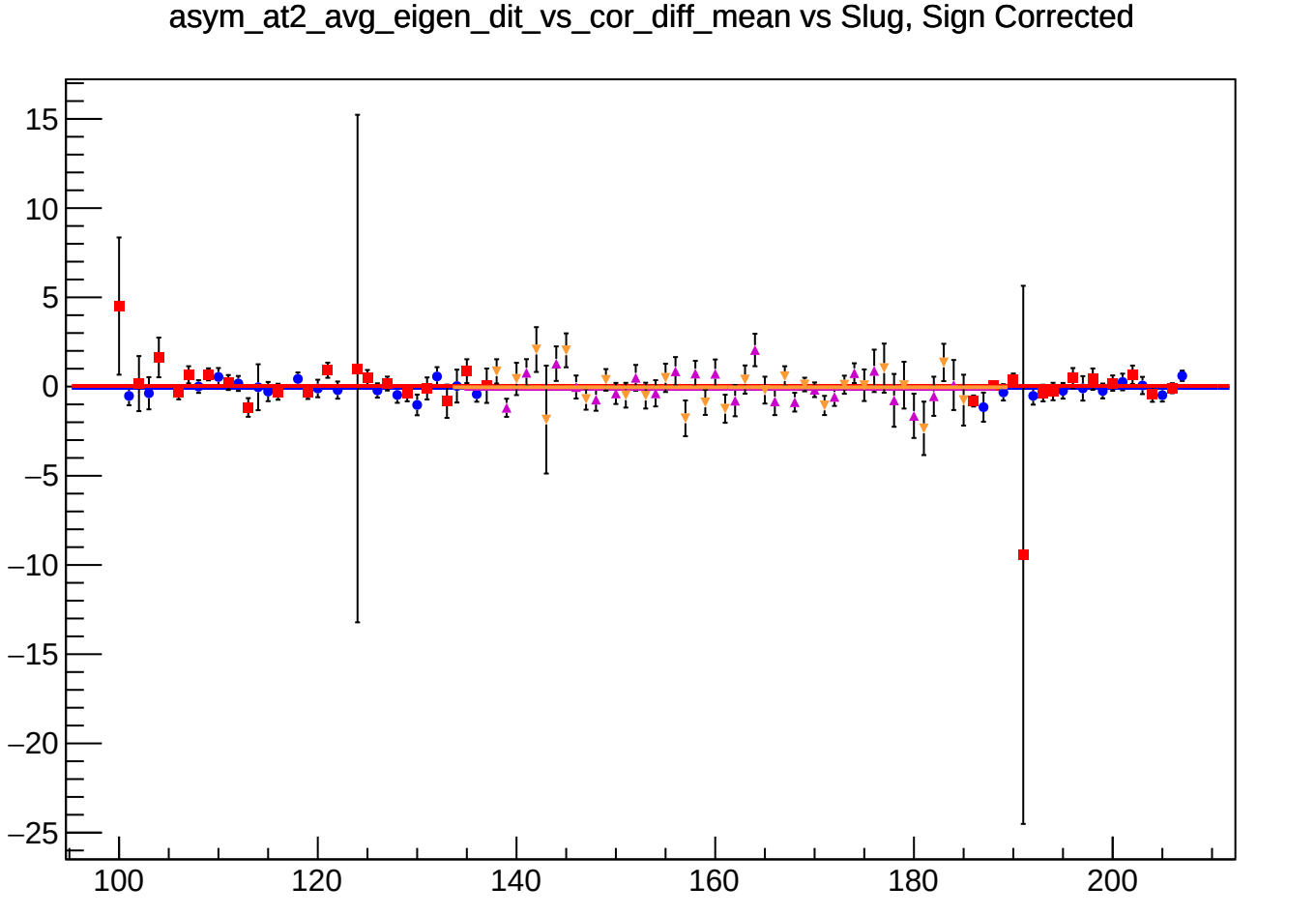
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.014+/-0.000 χ^2/NDF: 16749143.8/56

In: 0.013+/-0.000 χ^2/NDF:15024538.2/48

Out: 0.013+/-0.000 χ^2/NDF:16508314.3/55

All: 0.013+/-0.000 χ^2/NDF: 31532979.9/104



Right In: -0.074+/-0.092 χ^2/NDF: 21.3/25

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

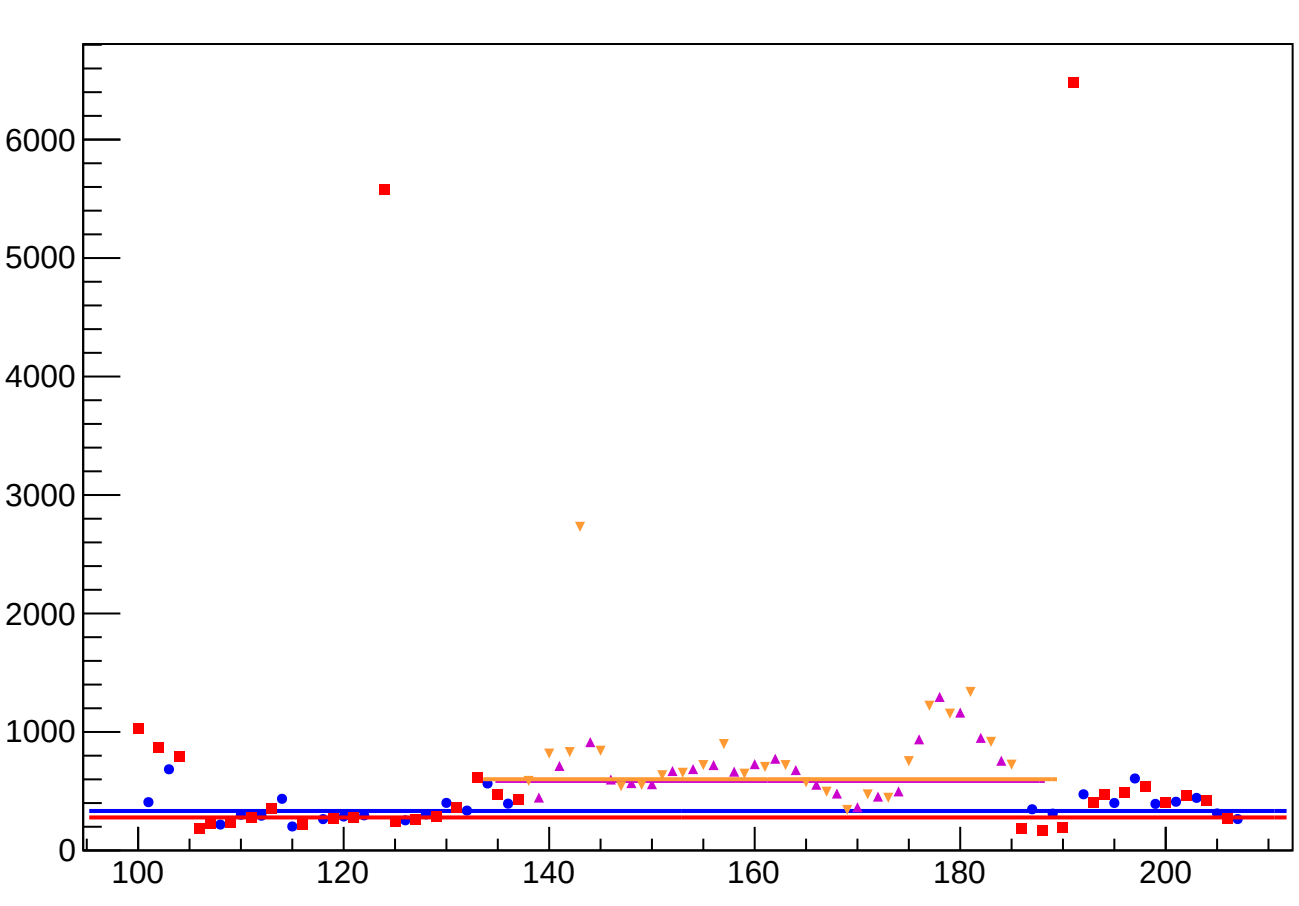
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.011+/-0.059 χ^2/NDF: 61.8/56

In: -0.089+/-0.077 χ^2/NDF:50.4/48

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.029+/-0.052 χ^2/NDF: 121.5/104



Right In: 333.266+/-0.065 χ^2/NDF: 1947605.9/25

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

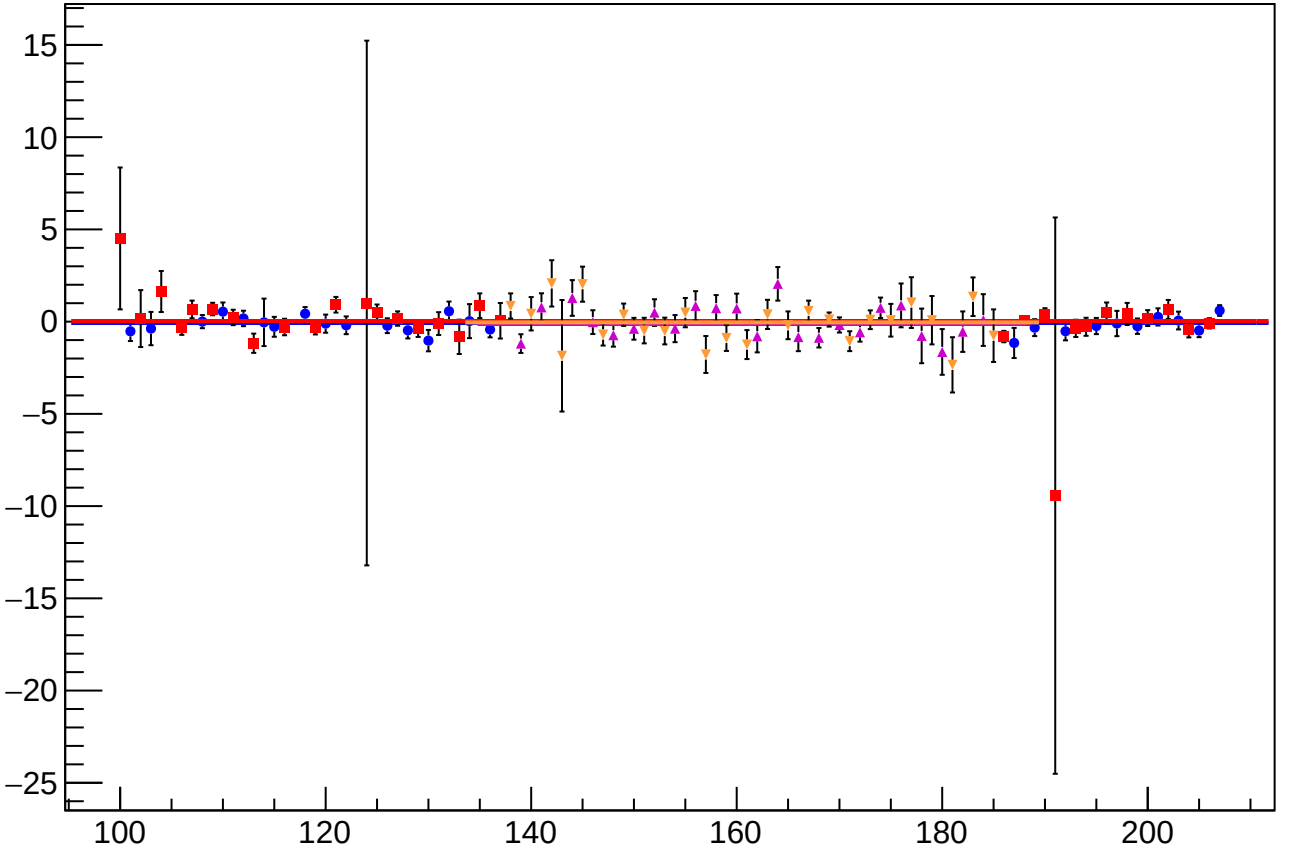
Right: 301.646+/-0.042 χ^2/NDF: 7342790.8/56

In: 405.379+/-0.055 χ^2/NDF:9246404.7/48

Out: 349.303+/-0.049 χ^2/NDF:16912561.6/55

All: 374.145+/-0.036 χ^2/NDF: 26743175.3/10

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.074+/-0.092 χ^2/NDF: 21.3/25

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

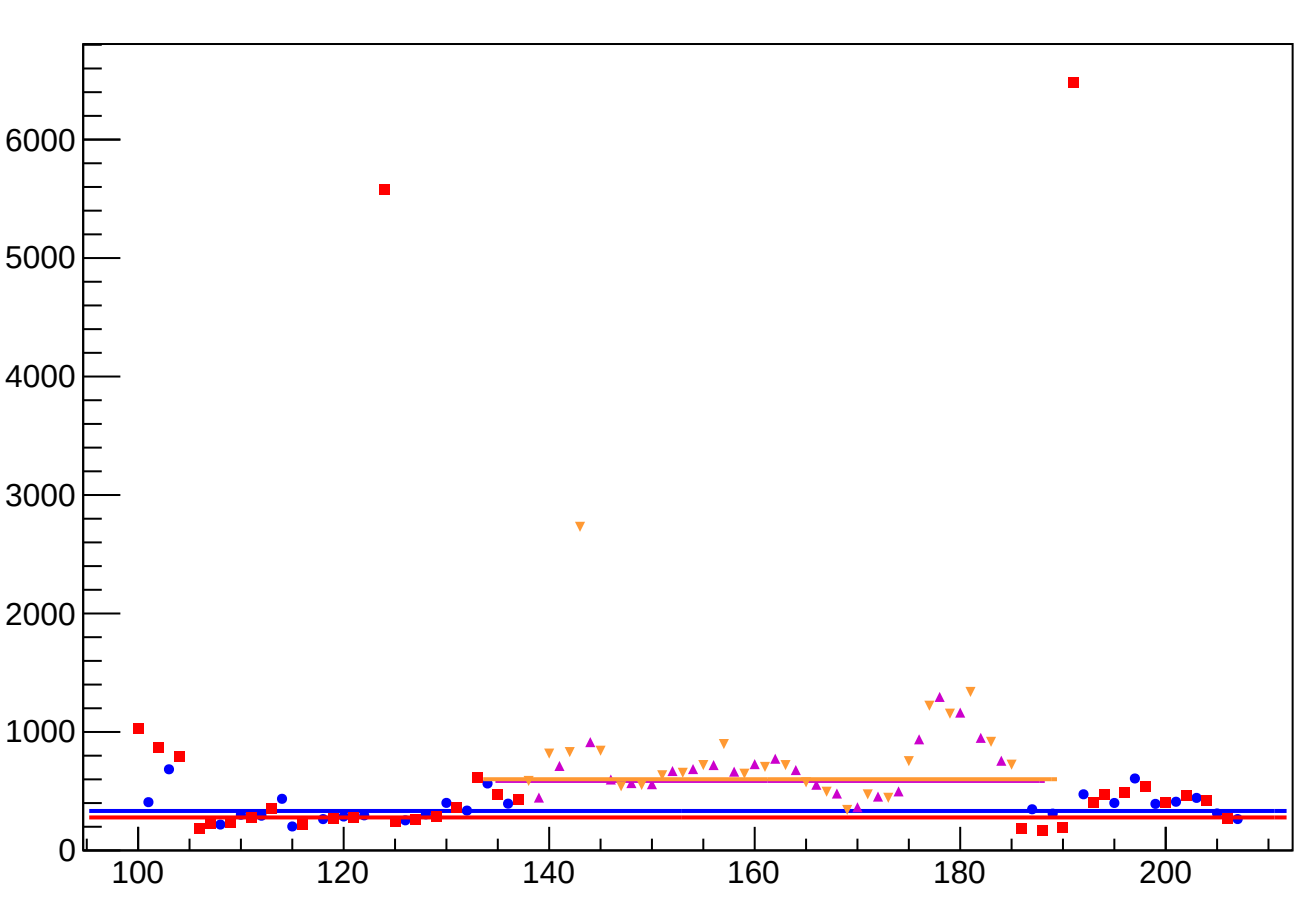
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.011+/-0.059 χ^2/NDF: 61.8/56

In: -0.089+/-0.077 χ^2/NDF:50.4/48

Out: 0.019+/-0.069 χ^2/NDF:70.0/55

All: -0.029+/-0.052 χ^2/NDF: 121.5/104



Right In: 333.266+/-0.065 χ^2/NDF: 1947605.9/25

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

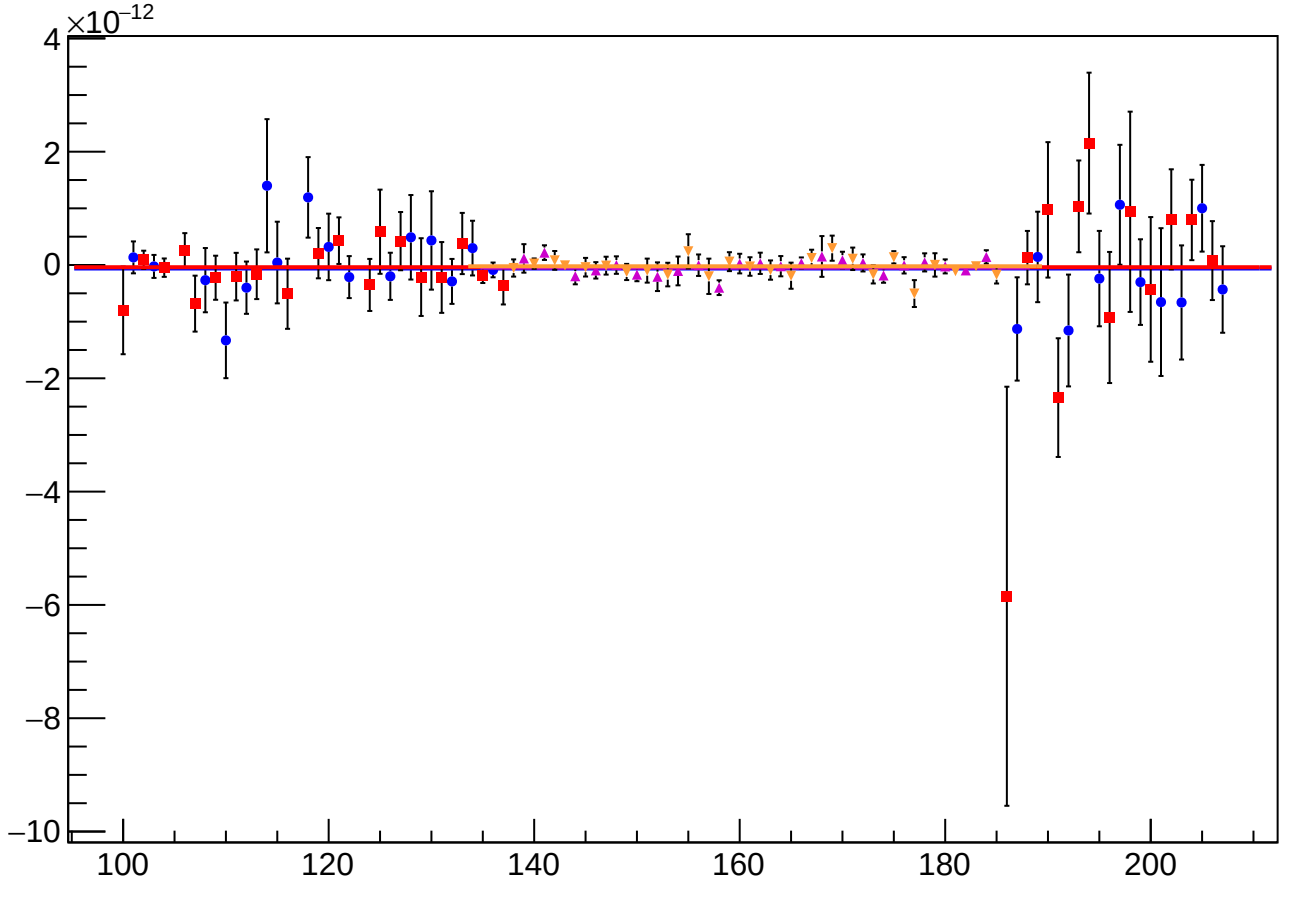
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 301.646+/-0.042 χ^2/NDF: 7342790.8/56

In: 405.379+/-0.055 χ^2/NDF:9246404.7/48

Out: 349.303+/-0.049 χ^2/NDF:16912561.6/55

All: 374.145+/-0.036 χ^2/NDF: 26743175.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 18.6/25

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

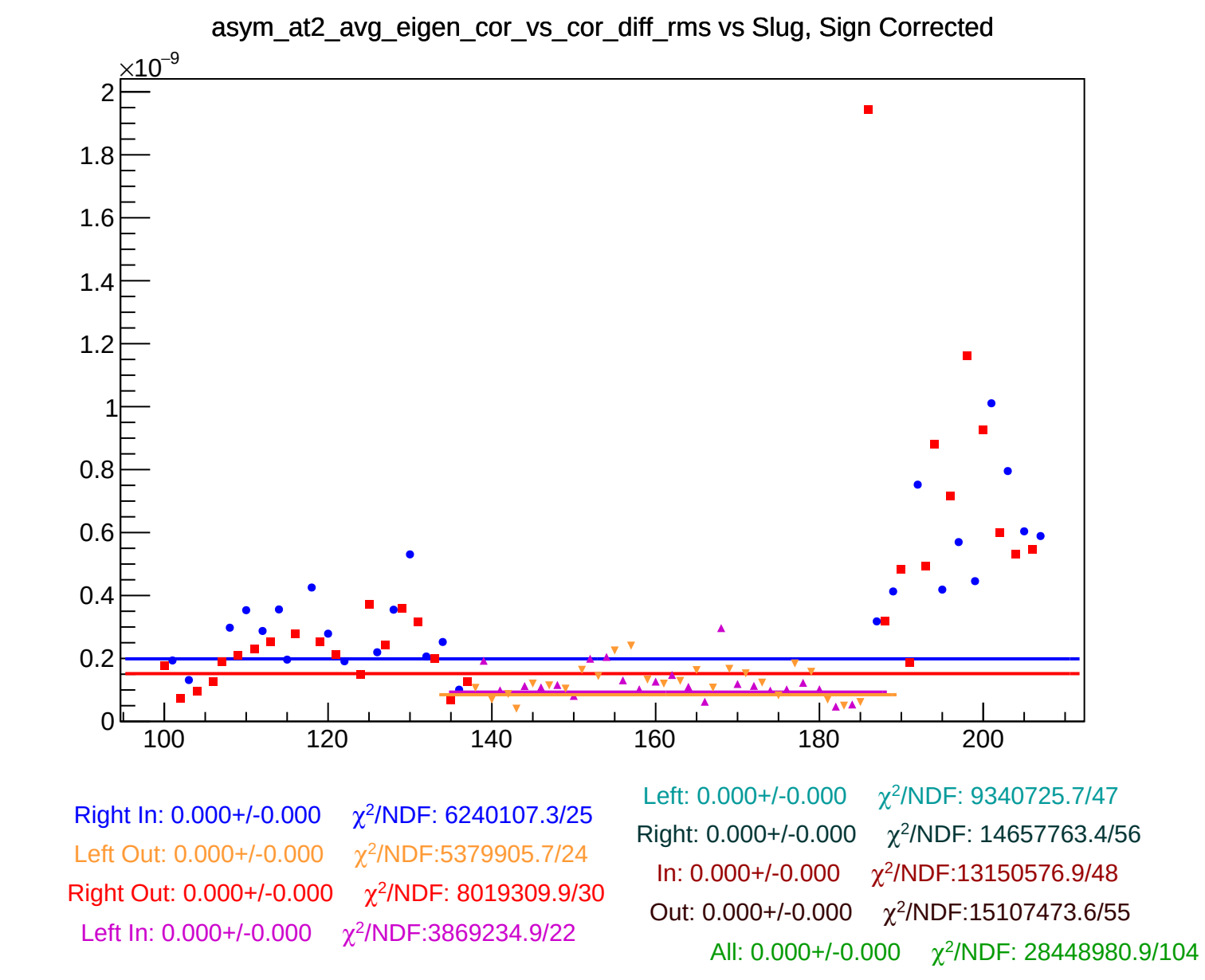
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/56

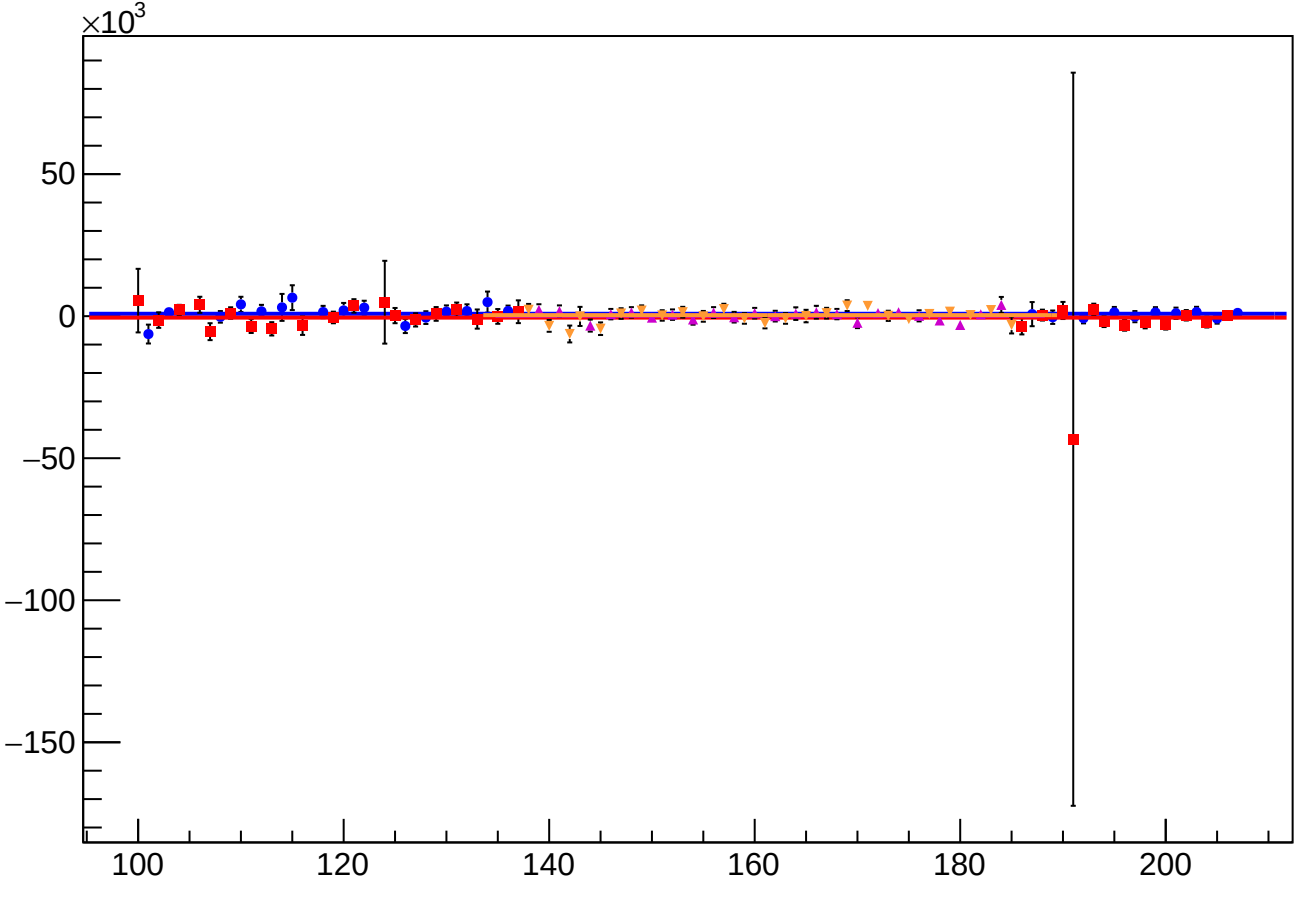
In: -0.000+/-0.000 χ^2/NDF:40.7/48

Out: -0.000+/-0.000 χ^2/NDF:44.3/55

All: -0.000+/-0.000 χ^2/NDF: 85.3/104


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: 6240107.3/25
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: 14657763.4/56
In: 0.000+/-0.000 χ²/NDF:13150576.9/48
Out: 0.000+/-0.000 χ²/NDF:15107473.6/55
All: 0.000+/-0.000 χ²/NDF: 28448980.9/104

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 841.357+/-435.243 χ^2/NDF: 17.1/25

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

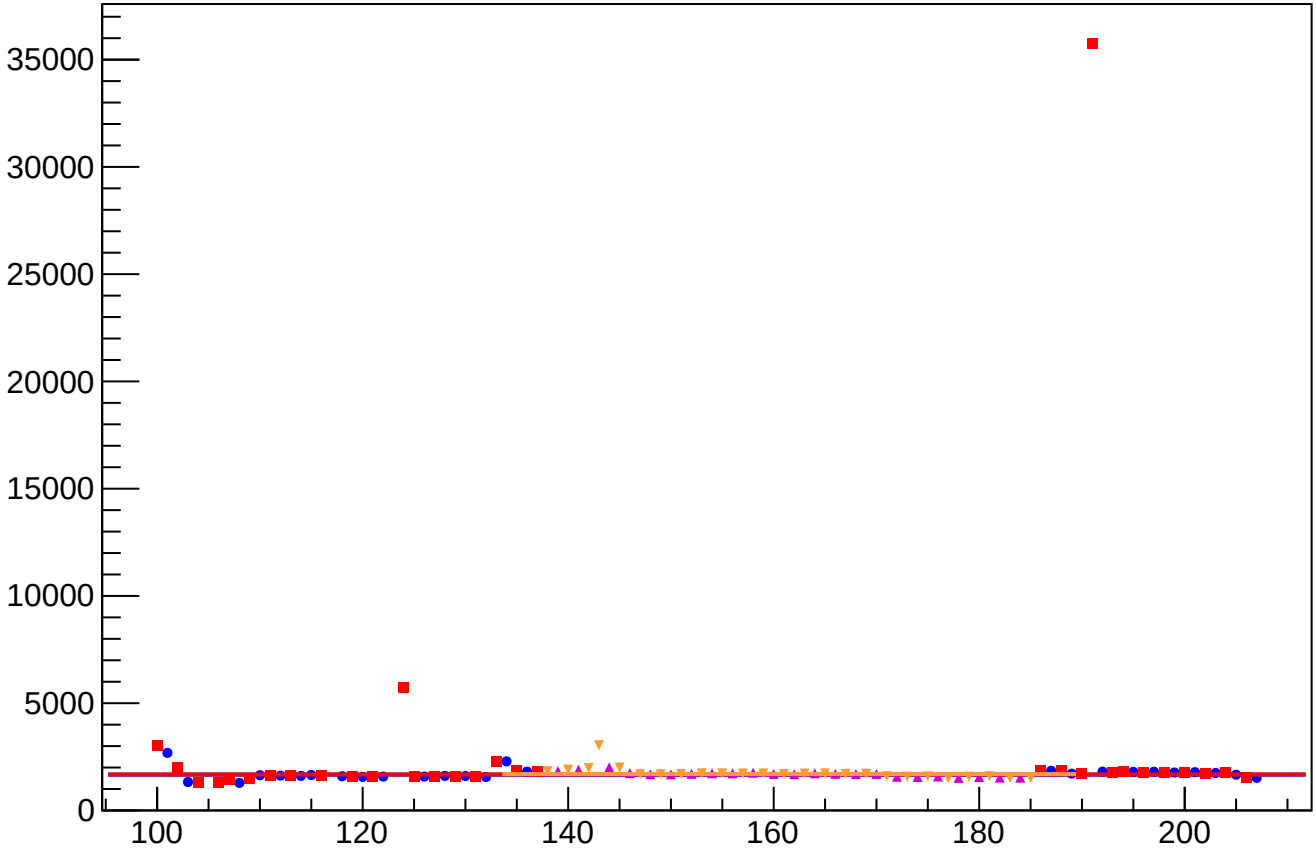
Right: 145.795+/-303.400 χ^2/NDF: 51.0/56

In: 465.463+/-292.200 χ^2/NDF:34.5/48

Out: -37.381+/-286.032 χ^2/NDF:60.8/55

All: 208.678+/-204.401 χ^2/NDF: 96.8/104

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1669.532+/-0.308 χ^2/NDF: 488218.4/25

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

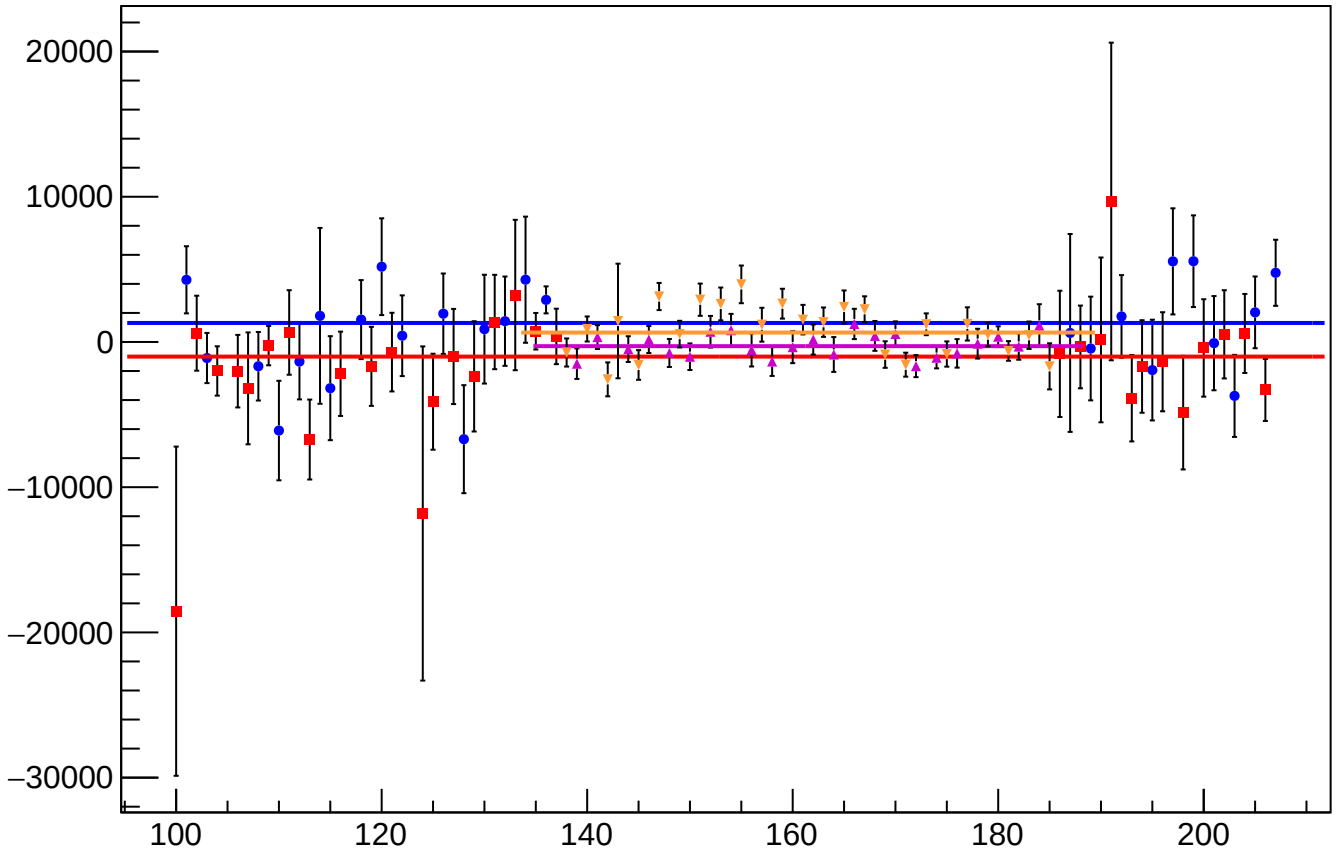
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1673.789+/-0.215 χ^2/NDF: 1182667.9/56

In: 1677.796+/-0.207 χ^2/NDF:654886.8/48

Out: 1688.503+/-0.202 χ^2/NDF:1191824.9/55

All: 1683.264+/-0.145 χ^2/NDF: 1848083.0/10



Right In: 1310.173+/-497.426 χ^2/NDF: 32.1/25

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

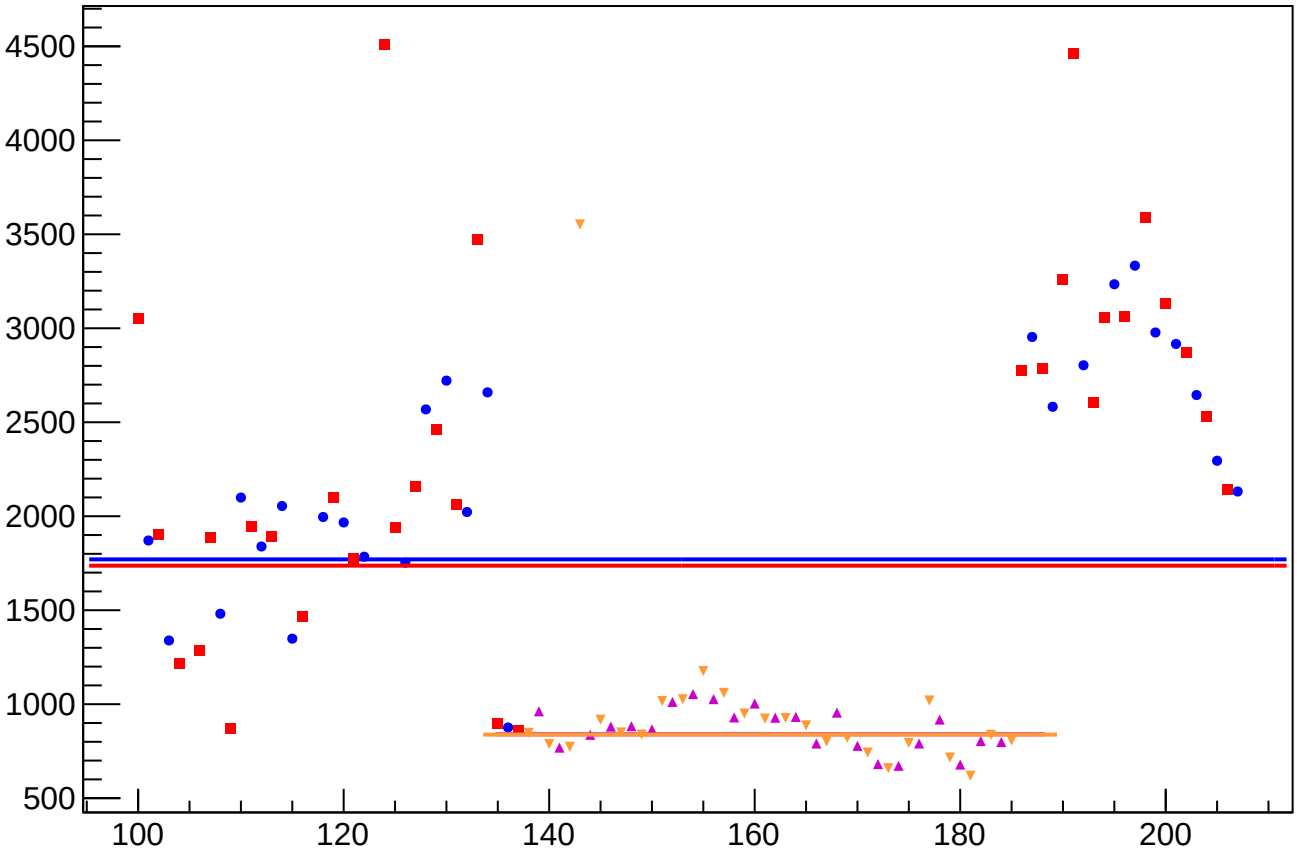
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 109.120+/-345.242 χ^2/NDF: 62.5/56

In: -69.003+/-184.358 χ^2/NDF:57.6/48

Out: 412.766+/-181.170 χ^2/NDF:94.9/55

All: 176.083+/-129.219 χ^2/NDF: 155.9/104



Right In: 1770.435+/-0.352 χ^2/NDF: 4420438.9/25

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

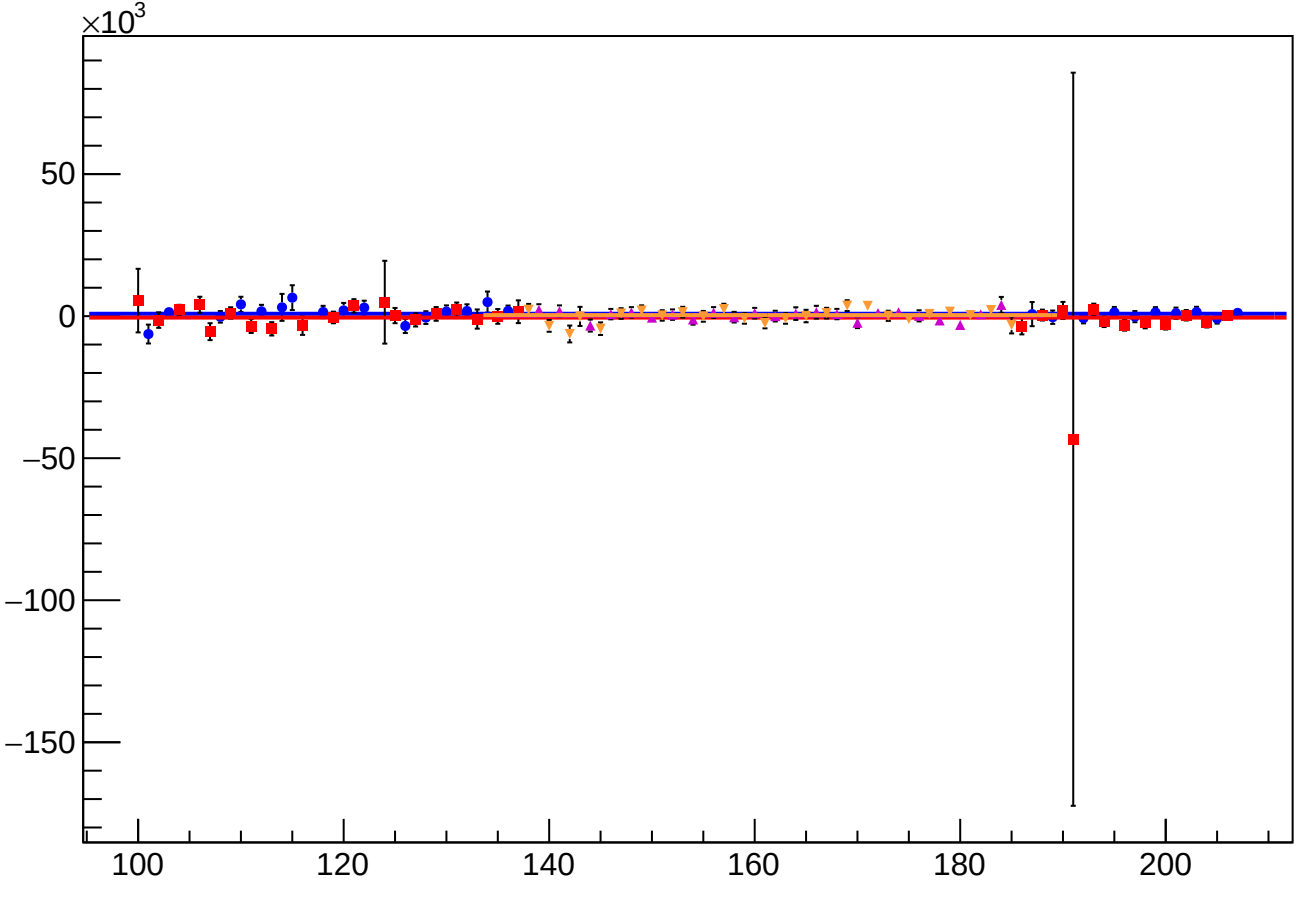
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1753.150+/-0.244 χ^2/NDF: 10180305.1/56

In: 967.786+/-0.130 χ^2/NDF:11126427.4/48

Out: 966.528+/-0.128 χ^2/NDF:13578800.8/55

All: 967.146+/-0.091 χ^2/NDF: 24705275.6/10



Right In: 841.401+/-435.243 χ^2/NDF: 17.1/25

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

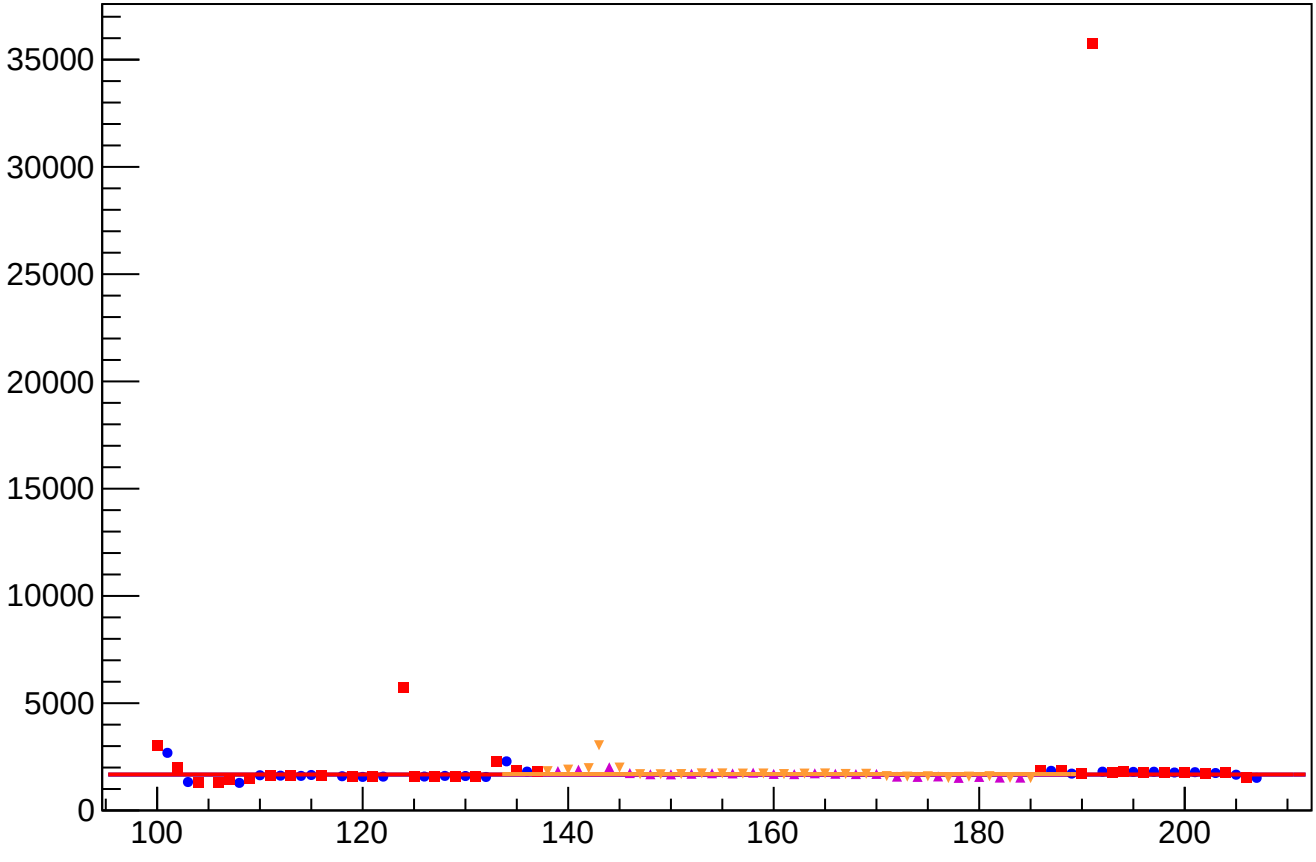
Right: 145.745+/-303.400 χ^2/NDF: 51.0/56

In: 465.431+/-292.200 χ^2/NDF:34.5/48

Out: -37.491+/-286.032 χ^2/NDF:60.8/55

All: 208.606+/-204.401 χ^2/NDF: 96.8/104

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1669.532+/-0.308 χ^2/NDF: 488218.7/25

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

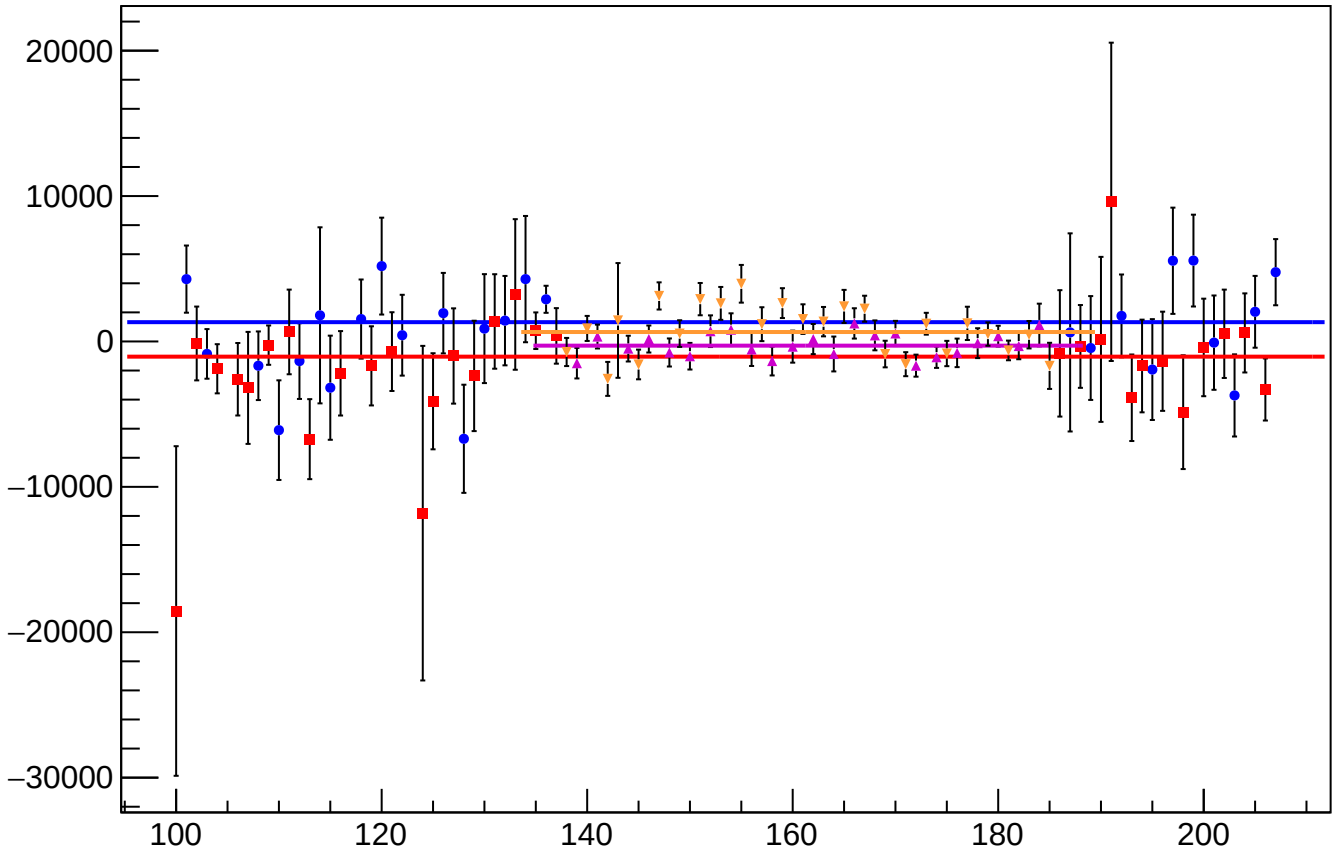
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1673.789+/-0.215 χ^2/NDF: 1182668.3/56

In: 1677.796+/-0.207 χ^2/NDF:654887.1/48

Out: 1688.503+/-0.202 χ^2/NDF:1191825.0/55

All: 1683.264+/-0.145 χ^2/NDF: 1848083.4/10



Right In: 1326.822+/-496.905 χ^2/NDF: 31.8/25

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

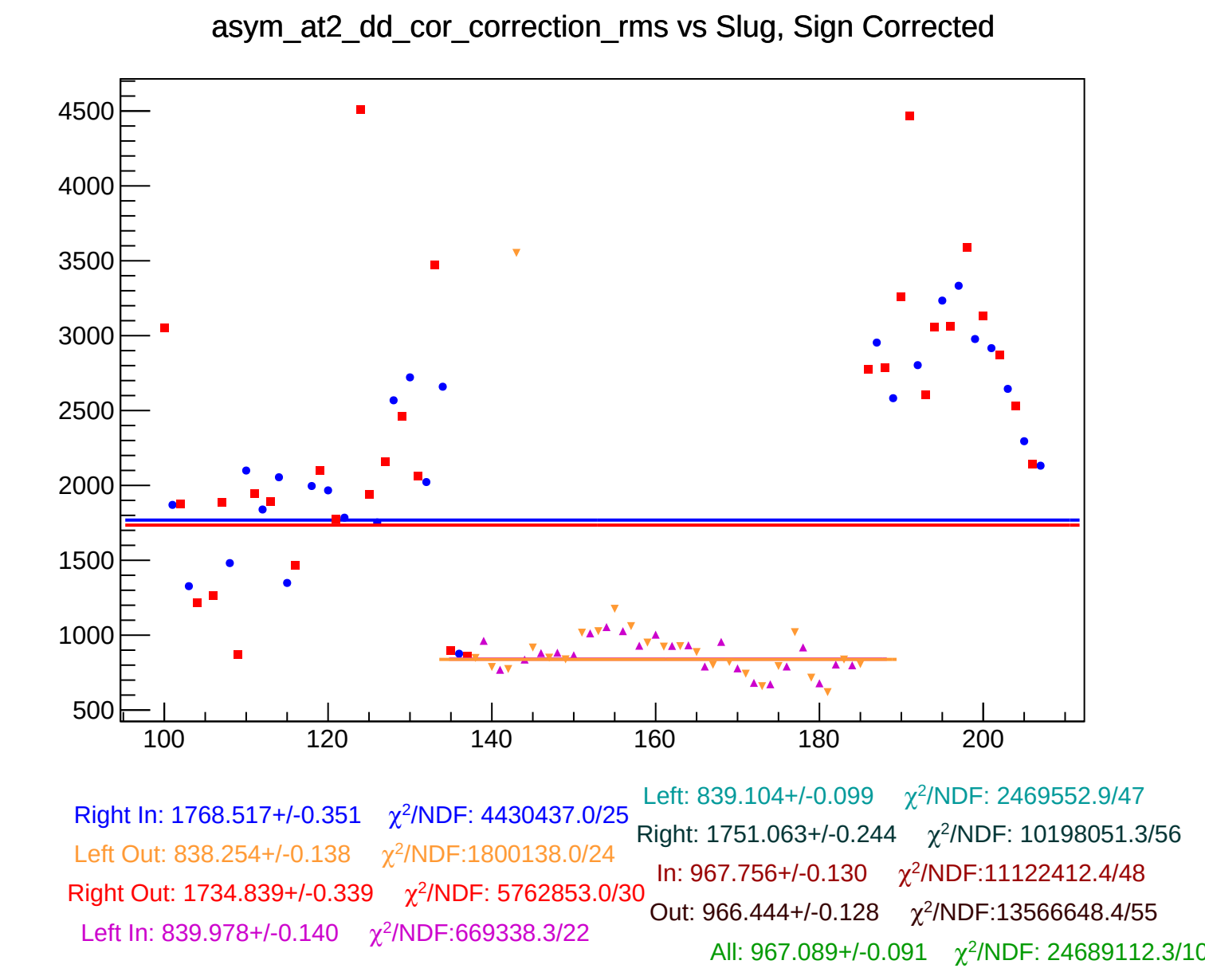
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

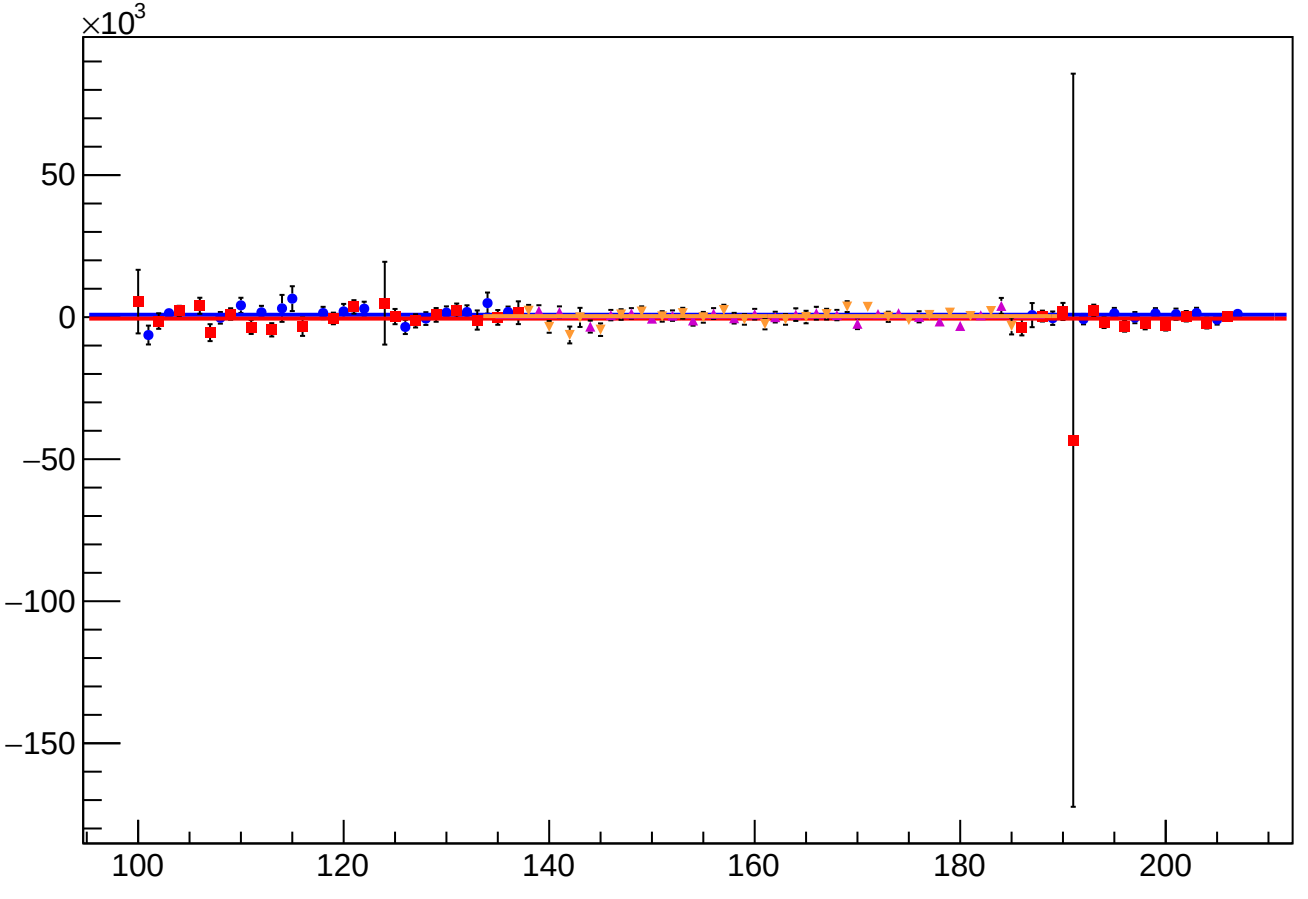
Right: 97.446+/-344.885 χ^2/NDF: 62.6/56

In: -66.301+/-184.332 χ^2/NDF:57.4/48

Out: 406.904+/-181.145 χ^2/NDF:95.3/55

All: 174.427+/-129.201 χ^2/NDF: 156.0/104


asym_at2_dd_cor_correction_rms vs Slug, Sign Corrected
4500
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1768.517+/-0.351 χ²/NDF: 4430437.0/25
Left Out: 838.254+/-0.138 χ²/NDF:1800138.0/24
Right Out: 1734.839+/-0.339 χ²/NDF: 5762853.0/30
Left In: 839.978+/-0.140 χ²/NDF:669338.3/22
Left: 839.104+/-0.099 χ²/NDF: 2469552.9/47
Right: 1751.063+/-0.244 χ²/NDF: 10198051.3/56
In: 967.756+/-0.130 χ²/NDF:11122412.4/48
Out: 966.444+/-0.128 χ²/NDF:13566648.4/55
All: 967.089+/-0.091 χ²/NDF: 24689112.3/10



Right In: 841.401+/-435.243 χ^2/NDF: 17.1/25

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

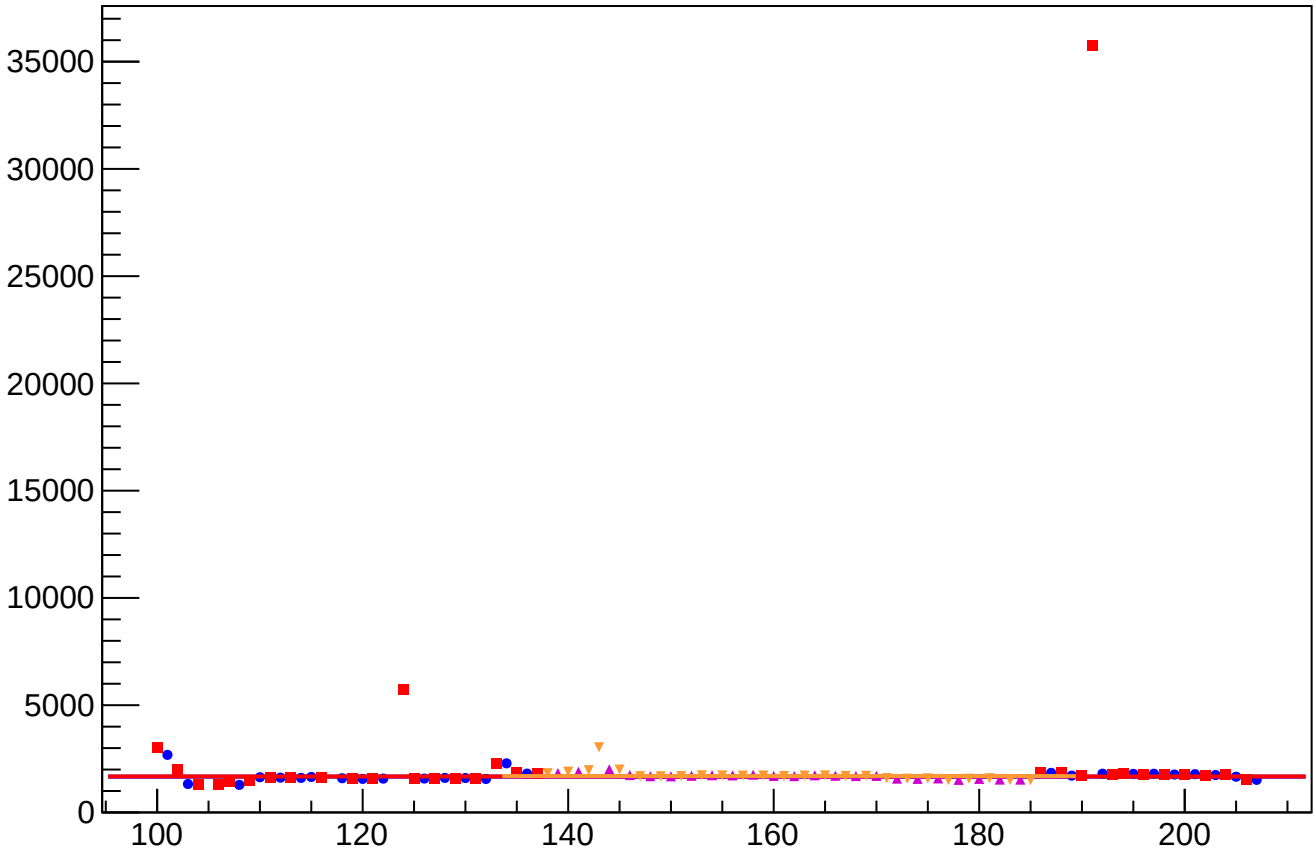
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 145.745+/-303.400 χ^2/NDF: 51.0/56

In: 465.431+/-292.200 χ^2/NDF:34.5/48

Out: -37.491+/-286.032 χ^2/NDF:60.8/55

All: 208.606+/-204.401 χ^2/NDF: 96.8/104



Right In: 1669.532+/-0.308 χ^2/NDF: 488218.7/25

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

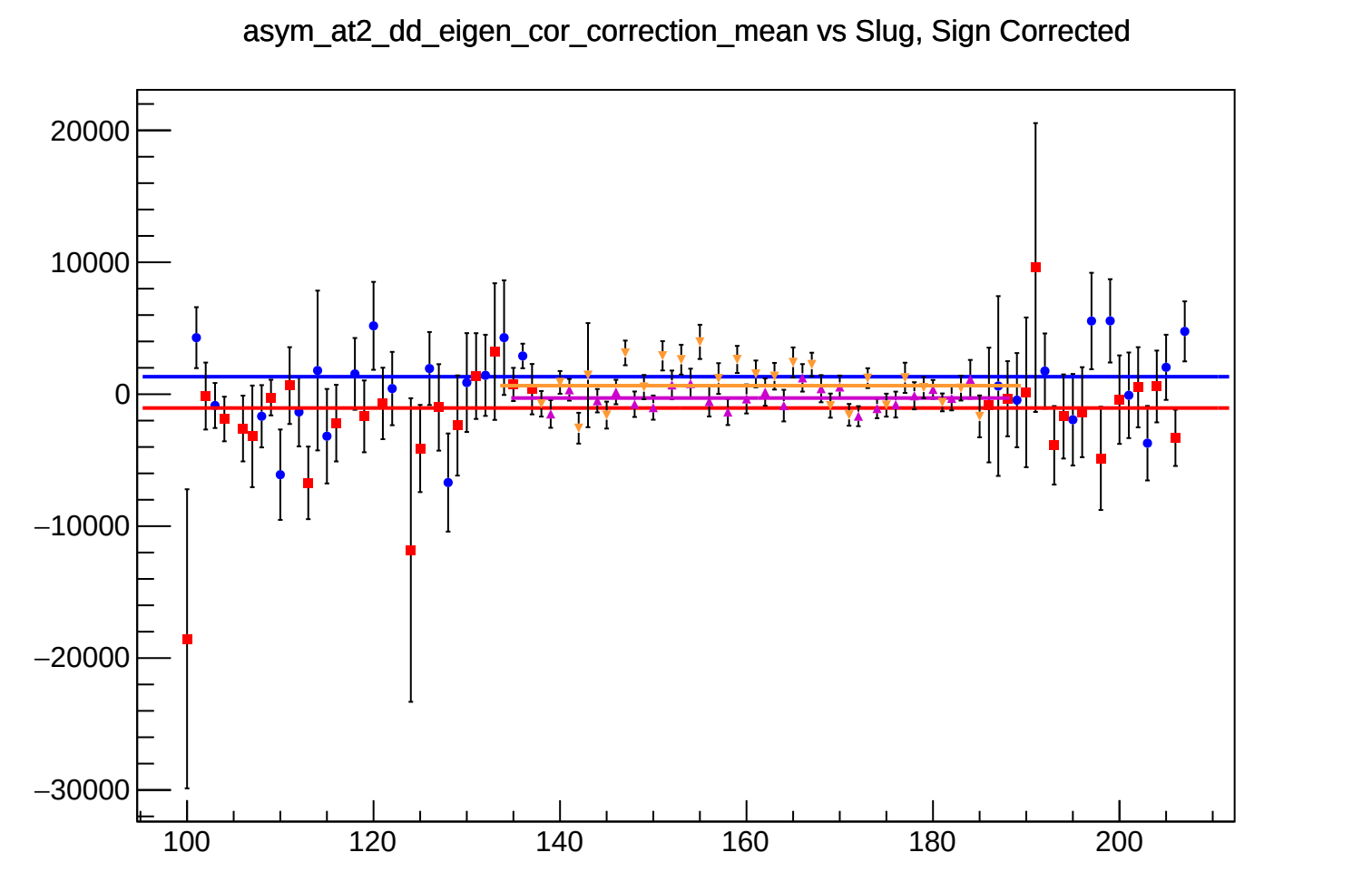
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1673.789+/-0.215 χ^2/NDF: 1182668.3/56

In: 1677.796+/-0.207 χ^2/NDF:654887.1/48

Out: 1688.503+/-0.202 χ^2/NDF:1191825.0/55

All: 1683.264+/-0.145 χ^2/NDF: 1848083.4/10



Right In: 1326.822+/-496.905 χ^2/NDF: 31.8/25

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

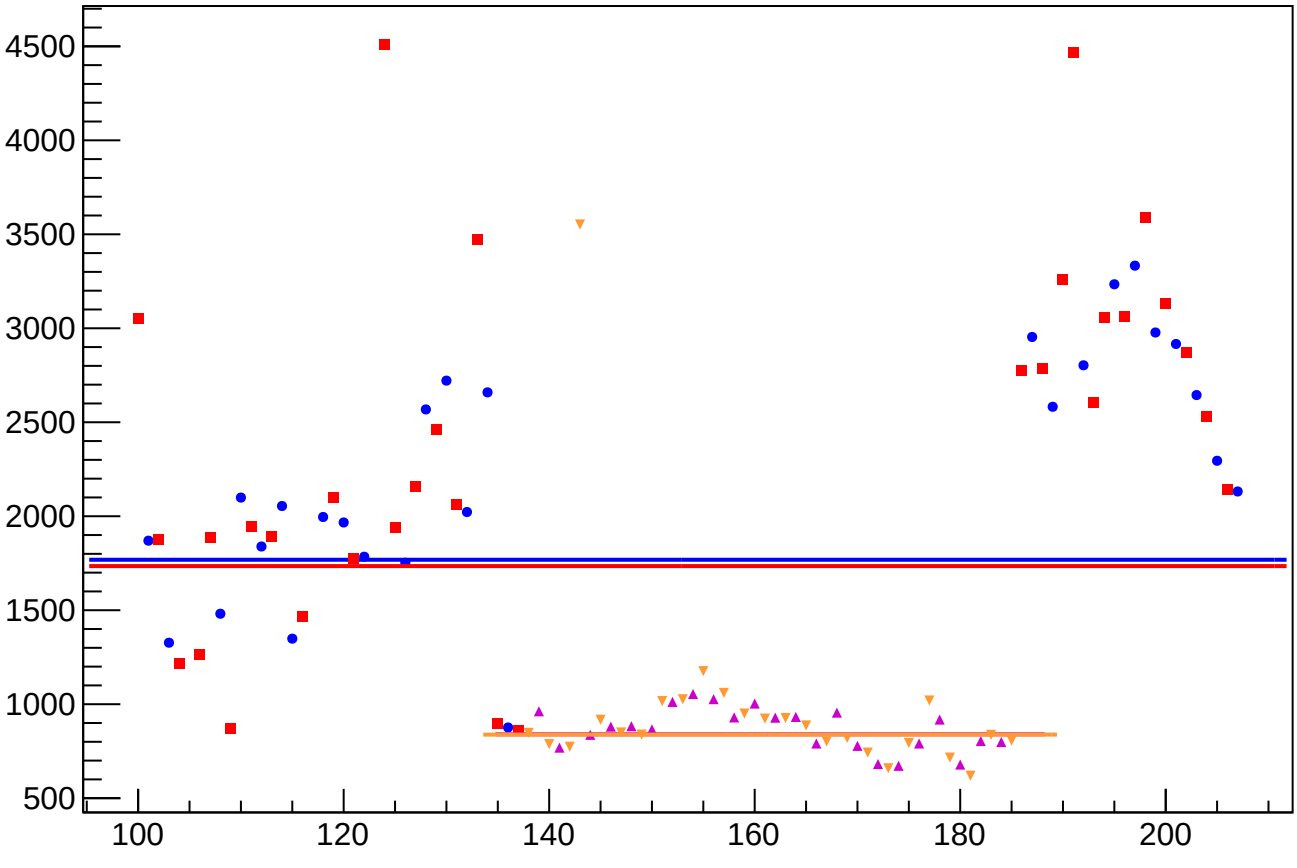
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 97.446+/-344.885 χ^2/NDF: 62.6/56

In: -66.301+/-184.332 χ^2/NDF:57.4/48

Out: 406.904+/-181.145 χ^2/NDF:95.3/55

All: 174.427+/-129.201 χ^2/NDF: 156.0/104



Right In: 1768.517+/-0.351 χ^2/NDF: 4430437.0/25

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

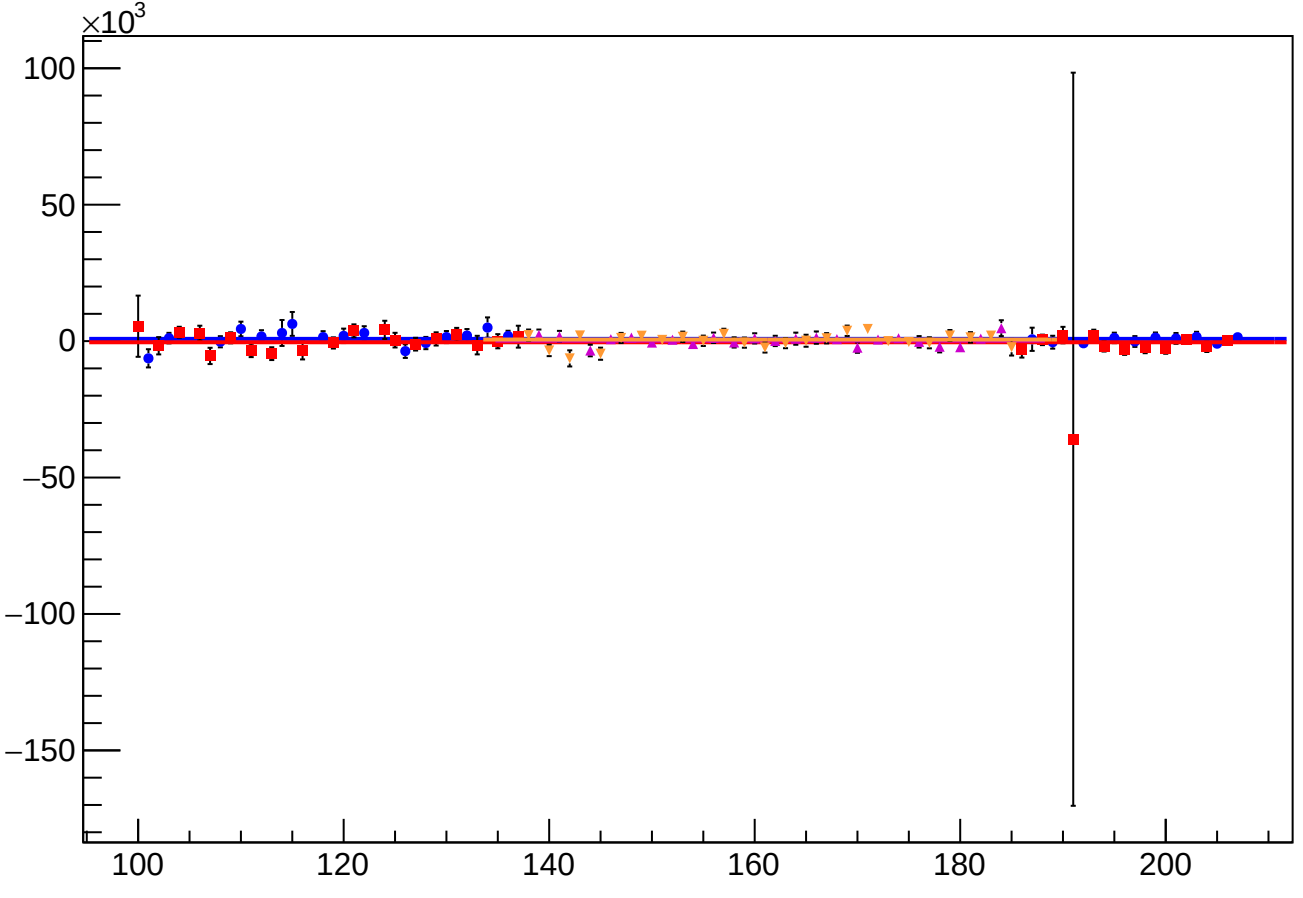
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1751.063+/-0.244 χ^2/NDF: 10198051.3/56

In: 967.756+/-0.130 χ^2/NDF:11122412.4/48

Out: 966.444+/-0.128 χ^2/NDF:13566648.4/55

All: 967.089+/-0.091 χ^2/NDF: 24689112.3/10



Right In: 825.174+/-438.668 χ^2/NDF: 17.9/25

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

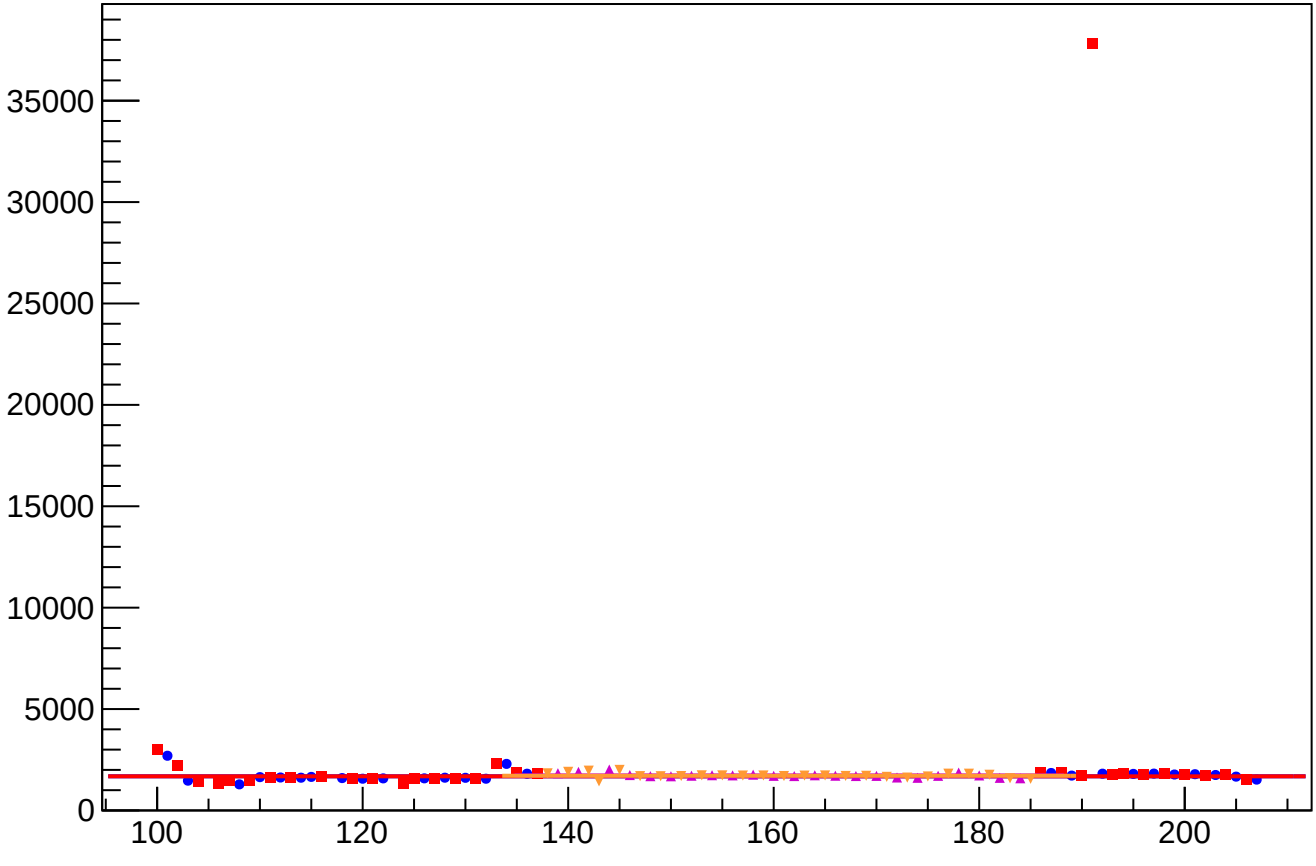
Right: 180.625+/-304.760 χ^2/NDF: 53.2/56

In: 479.321+/-297.210 χ^2/NDF:33.5/48

Out: 121.483+/-286.859 χ^2/NDF:66.0/55

All: 294.063+/-206.402 χ^2/NDF: 100.3/104

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1684.195+/-0.310 χ^2/NDF: 435410.9/25

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

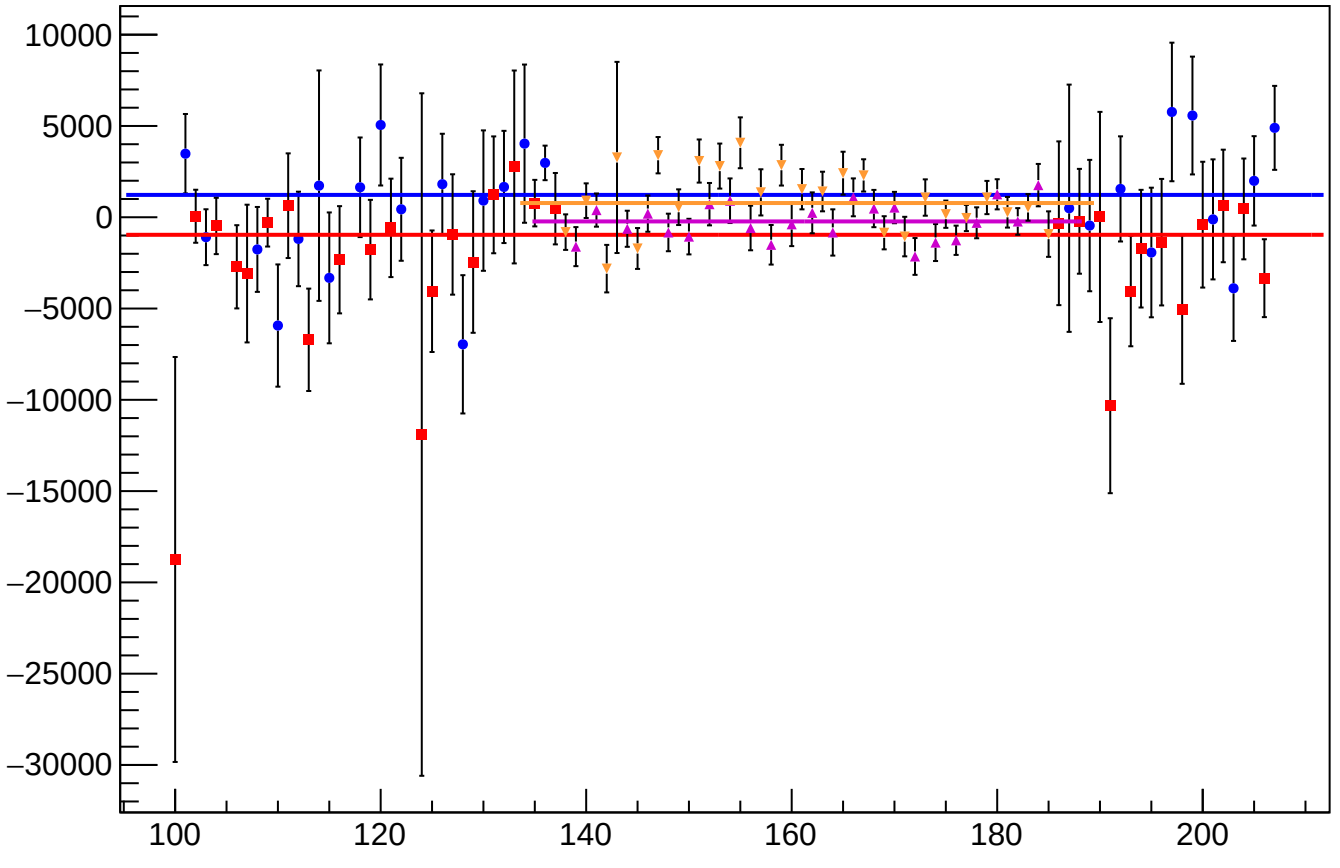
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1683.708+/-0.215 χ^2/NDF: 990477.9/56

In: 1707.844+/-0.210 χ^2/NDF:546383.4/48

Out: 1698.668+/-0.203 χ^2/NDF:727955.1/55

All: 1703.094+/-0.146 χ^2/NDF: 1275325.5/10



Right In: 1223.987+/-494.242 χ^2/NDF: 32.3/25

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

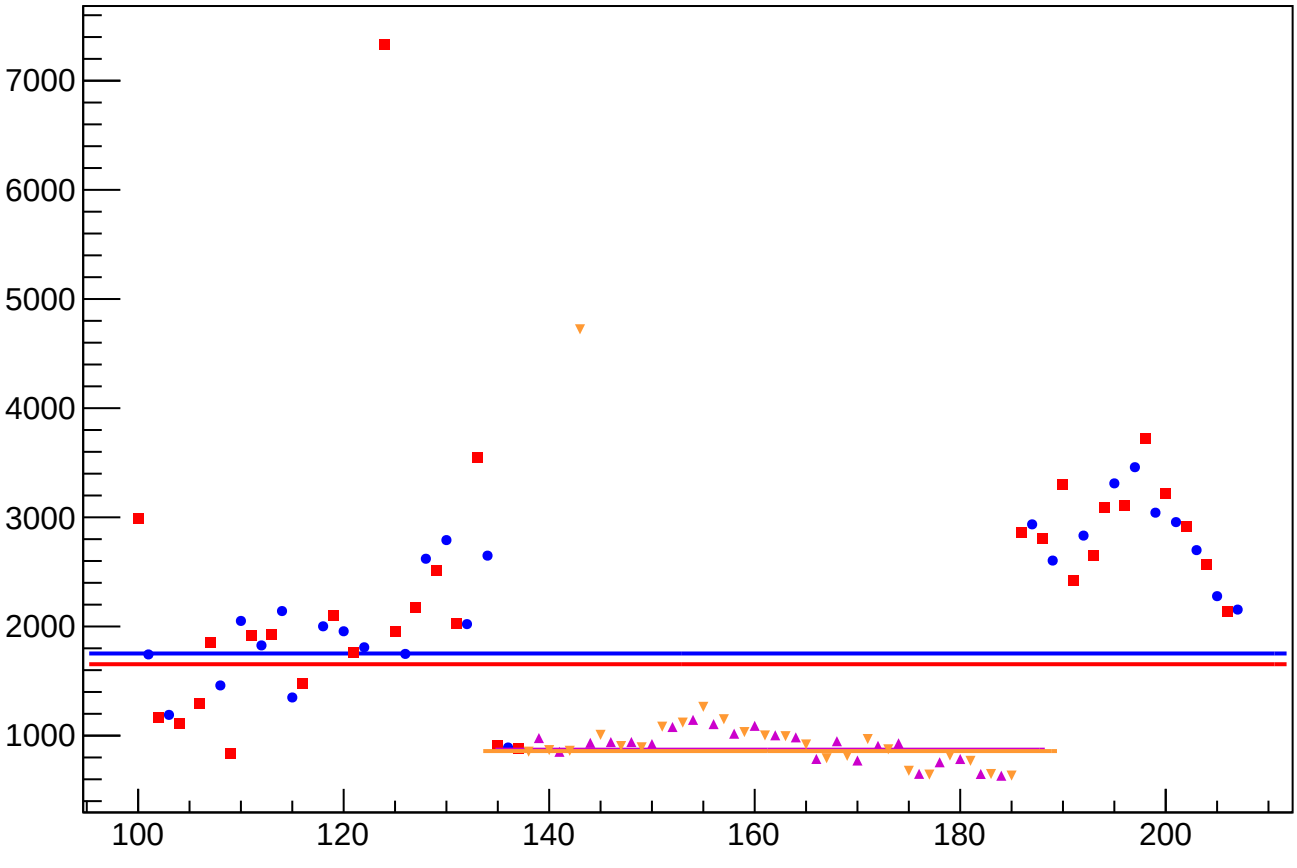
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 46.403+/-335.626 χ^2/NDF: 64.6/56

In: -12.589+/-190.698 χ^2/NDF:62.3/48

Out: 495.598+/-184.495 χ^2/NDF:88.4/55

All: 249.903+/-132.596 χ^2/NDF: 154.4/104



Right In: 1752.616+/-0.349 χ^2/NDF: 4587712.4/25

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

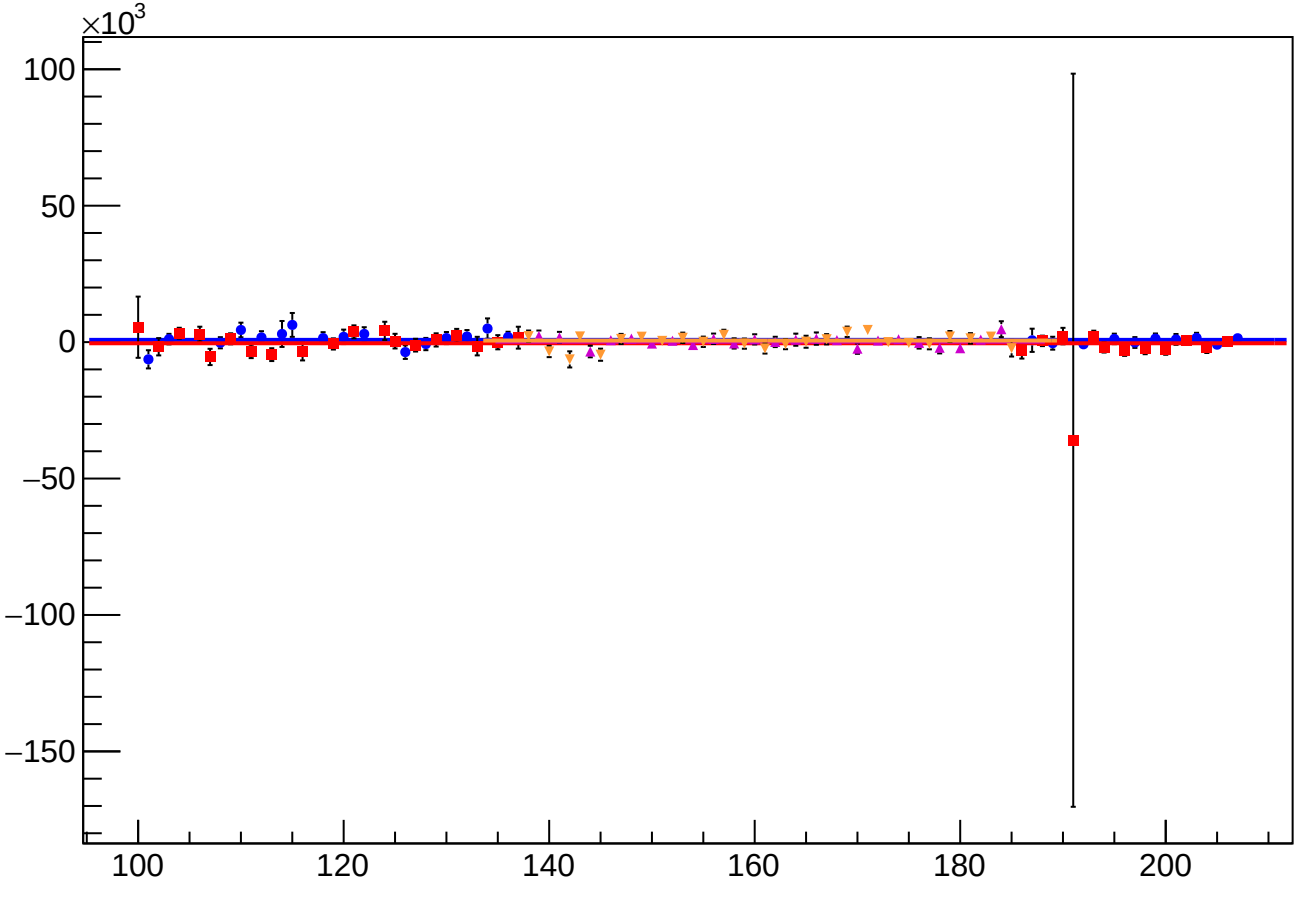
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1699.662+/-0.237 χ^2/NDF: 10933850.2/56

In: 1002.696+/-0.135 χ^2/NDF:10976930.5/48

Out: 988.166+/-0.130 χ^2/NDF:13655163.3/55

All: 995.191+/-0.094 χ^2/NDF: 24638090.6/10



Right In: 825.171+/-438.668 χ^2/NDF: 17.9/25

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

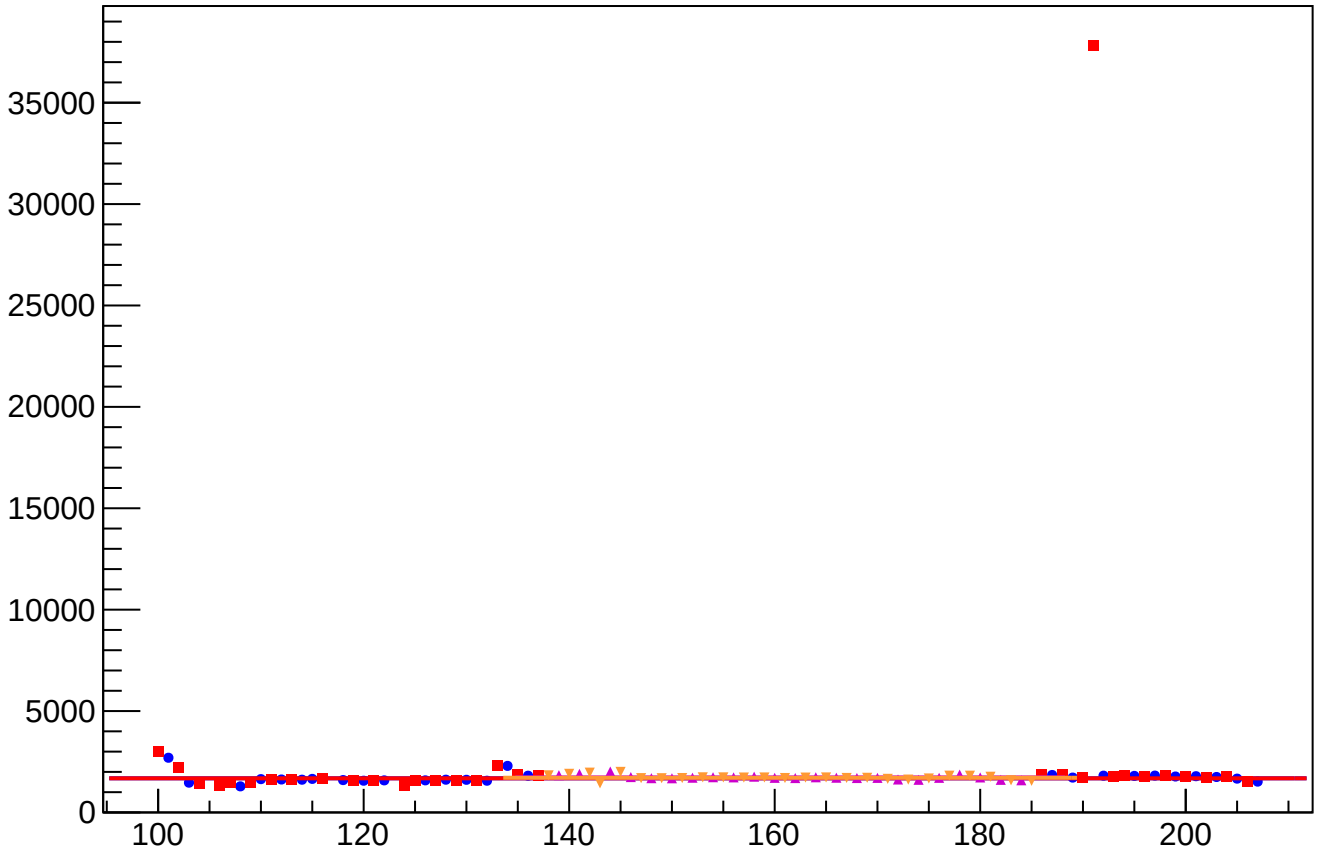
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 180.625+/-304.760 χ^2/NDF: 53.2/56

In: 479.320+/-297.210 χ^2/NDF:33.5/48

Out: 121.482+/-286.859 χ^2/NDF:66.0/55

All: 294.061+/-206.402 χ^2/NDF: 100.3/104



Right In: 1684.195+/-0.310 χ^2/NDF: 435410.8/25

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

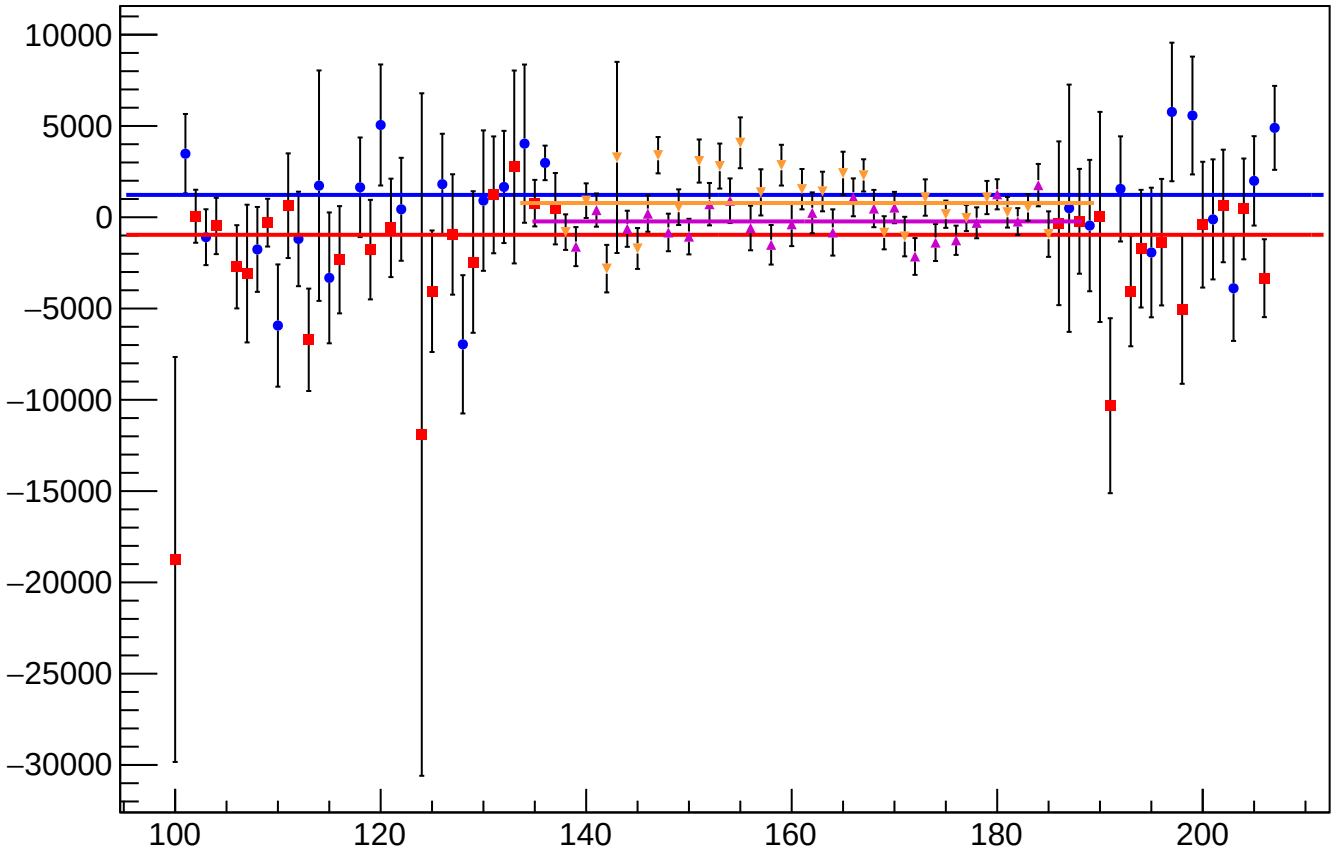
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1683.708+/-0.215 χ^2/NDF: 990477.8/56

In: 1707.844+/-0.210 χ^2/NDF:546383.1/48

Out: 1698.668+/-0.203 χ^2/NDF:727954.0/55

All: 1703.093+/-0.146 χ^2/NDF: 1275324.0/10



Right In: 1223.981+/-494.244 χ^2/NDF: 32.3/25

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

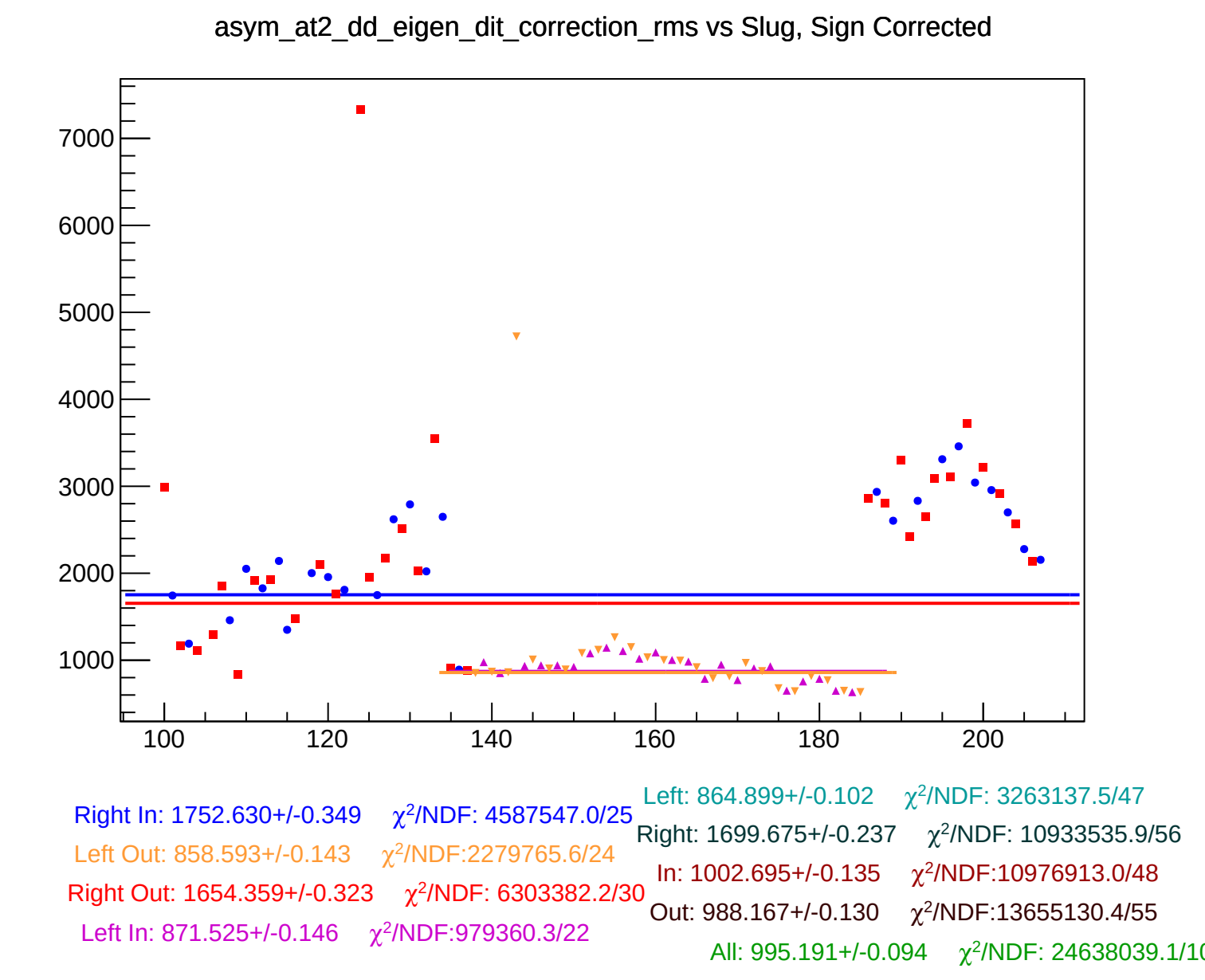
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 46.393+/-335.627 χ^2/NDF: 64.6/56

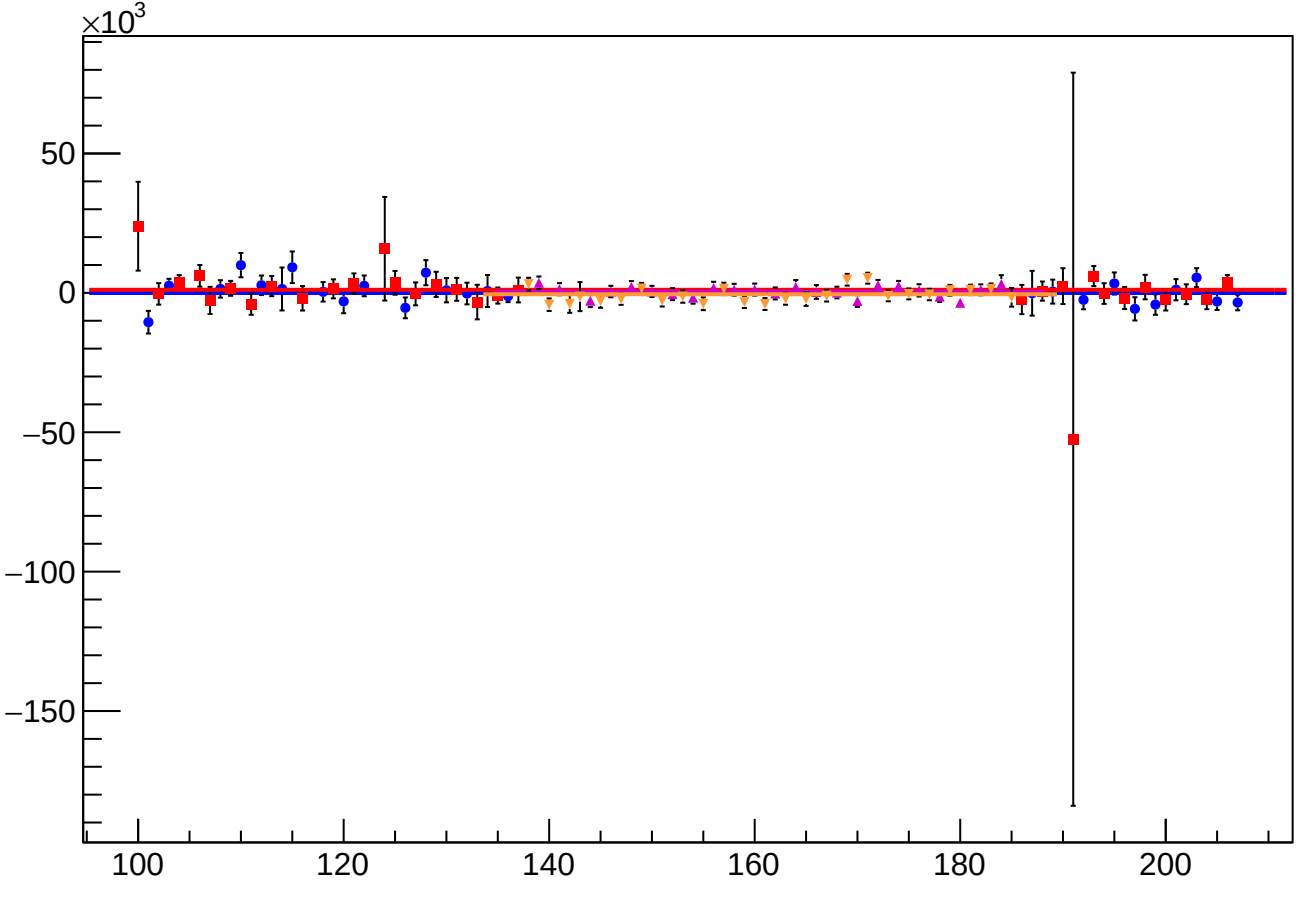
In: -12.590+/-190.697 χ^2/NDF:62.3/48

Out: 495.600+/-184.495 χ^2/NDF:88.4/55

All: 249.903+/-132.596 χ^2/NDF: 154.4/104


asym_at2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1752.630+/-0.349 χ²/NDF: 4587547.0/25
Left Out: 858.593+/-0.143 χ²/NDF:2279765.6/24
Right Out: 1654.359+/-0.323 χ²/NDF: 6303382.2/30
Left In: 871.525+/-0.146 χ²/NDF:979360.3/22
Left: 864.899+/-0.102 χ²/NDF: 3263137.5/47
Right: 1699.675+/-0.237 χ²/NDF: 10933535.9/56
In: 1002.695+/-0.135 χ²/NDF:10976913.0/48
Out: 988.167+/-0.130 χ²/NDF:13655130.4/55
All: 995.191+/-0.094 χ²/NDF: 24638039.1/10

asym_at2_dd_mean vs Slug, Sign Corrected



Right In: -21.953+/-715.821 χ^2/NDF: 32.2/25

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

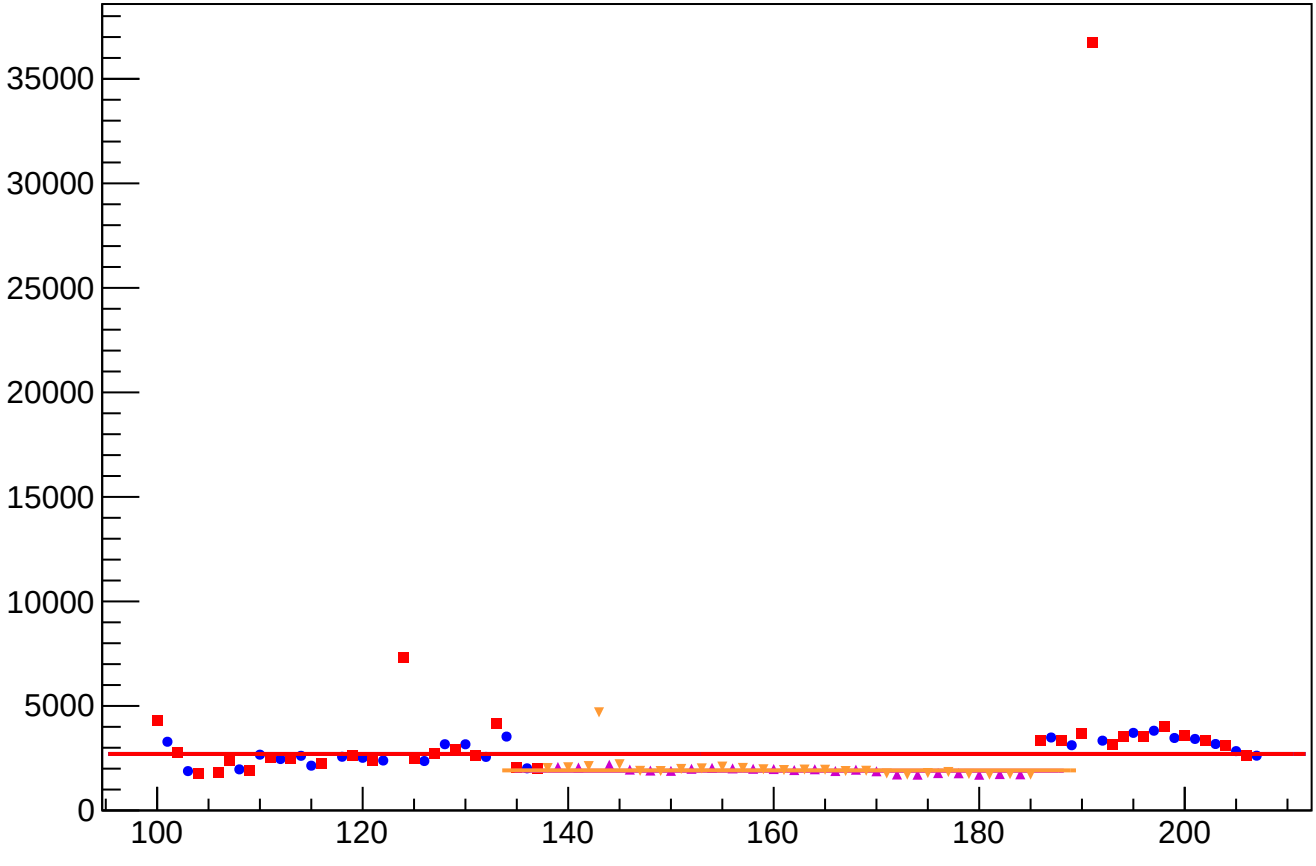
Right: 555.221+/-499.650 χ^2/NDF: 50.9/56

In: 290.718+/-377.663 χ^2/NDF:51.3/48

Out: -44.953+/-372.129 χ^2/NDF:57.2/55

All: 120.405+/-265.070 χ^2/NDF: 108.9/104

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2702.353+/-0.506 χ^2/NDF: 1317442.5/25

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

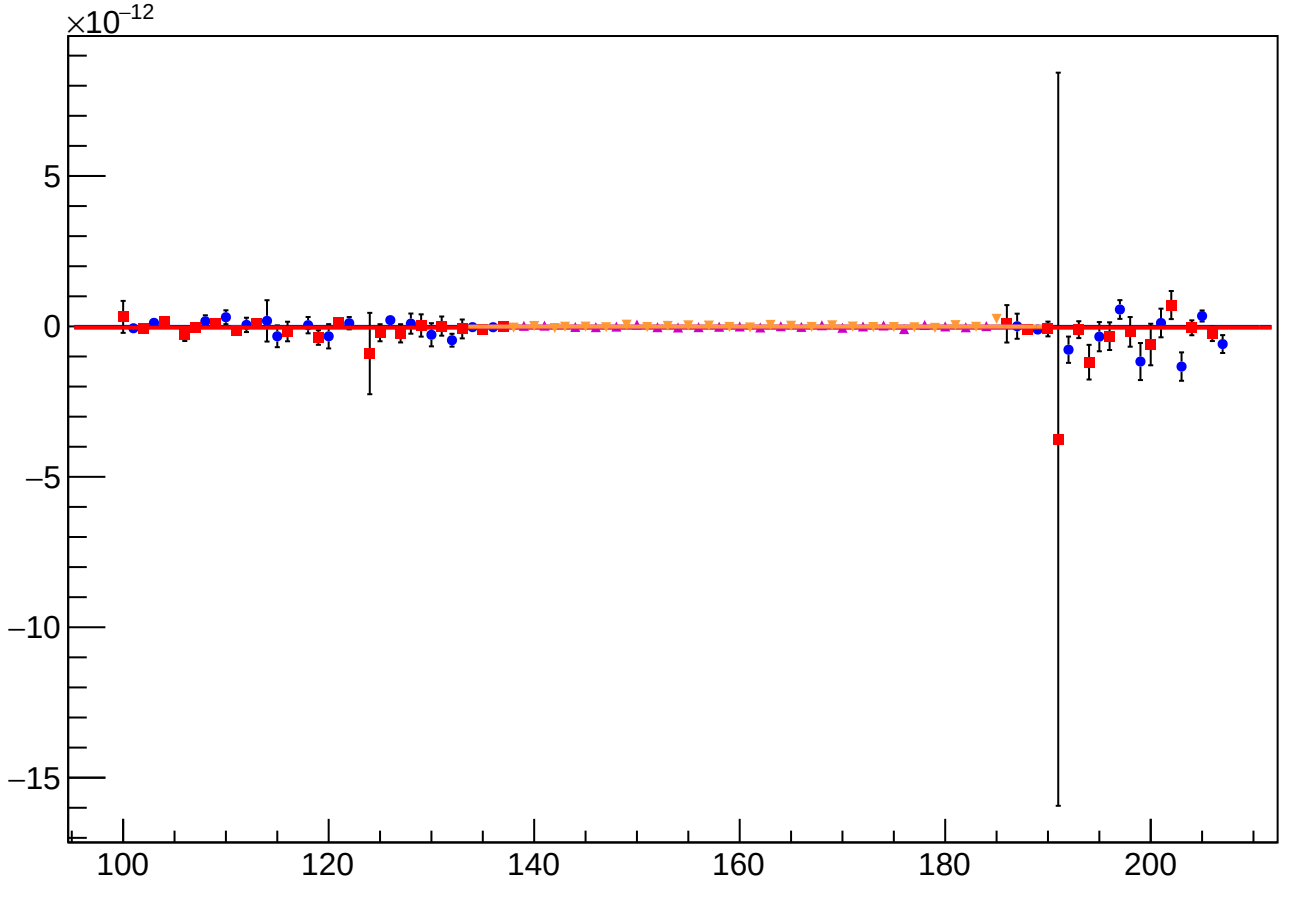
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2702.826+/-0.353 χ^2/NDF: 3262504.2/56

In: 2122.795+/-0.267 χ^2/NDF:3307555.8/48

Out: 2140.762+/-0.263 χ^2/NDF:4518042.8/55

All: 2131.911+/-0.187 χ^2/NDF: 7827895.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 41.1/25

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

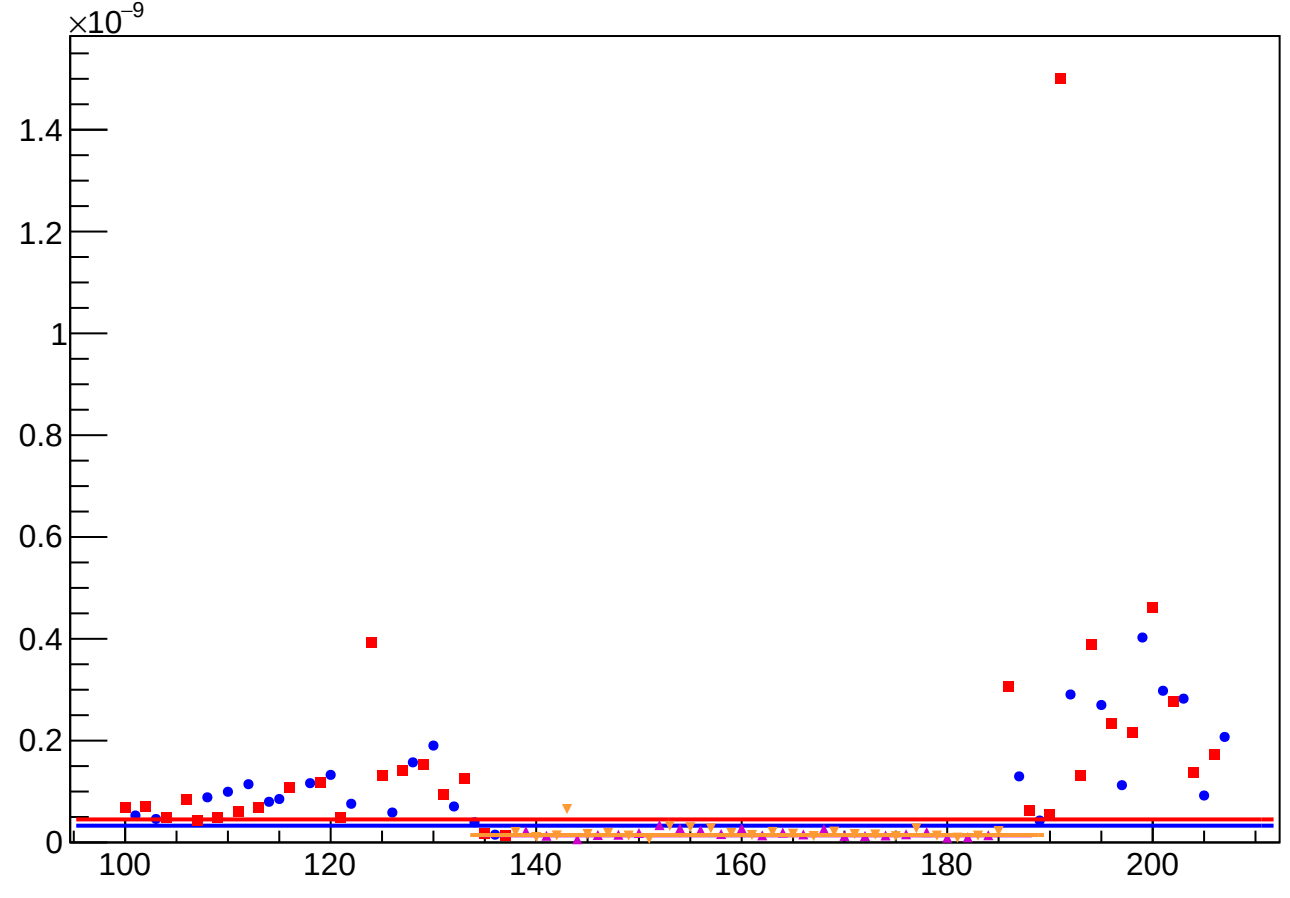
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

Right: -0.000+/-0.000 χ^2/NDF: 65.7/56

In: -0.000+/-0.000 χ^2/NDF:66.3/48

Out: -0.000+/-0.000 χ^2/NDF:54.4/55

All: -0.000+/-0.000 χ^2/NDF: 120.7/104



Right In: 0.000+/-0.000 χ^2/NDF: 7066925.0/25

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

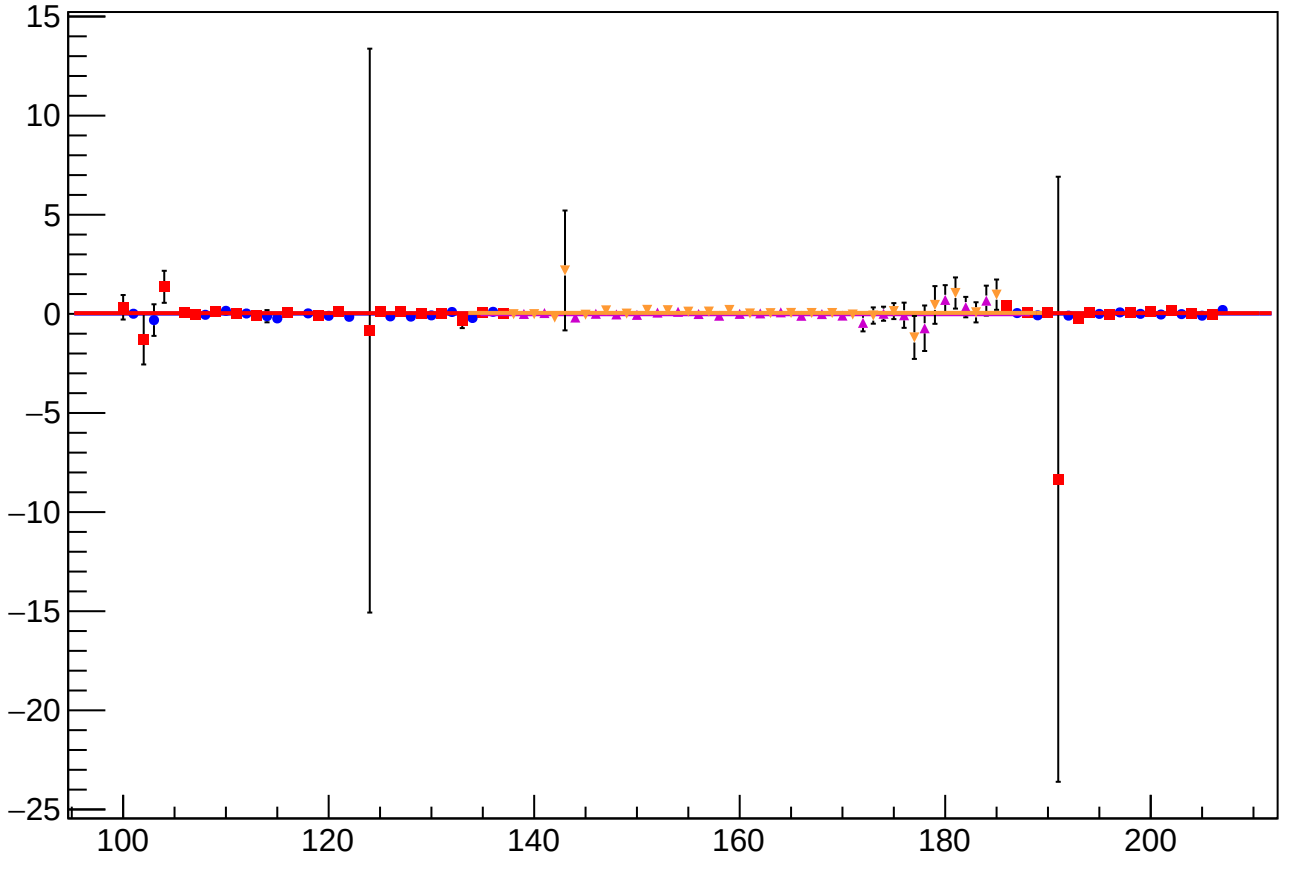
Left: 0.000+/-0.000 χ^2/NDF: 3830932.2/47

Right: 0.000+/-0.000 χ^2/NDF: 13896578.1/56

In: 0.000+/-0.000 χ^2/NDF:10457384.0/48

Out: 0.000+/-0.000 χ^2/NDF:10995713.2/55

All: 0.000+/-0.000 χ^2/NDF: 21471019.1/104



Right In: 0.014+/-0.020 χ^2/NDF: 28.9/25

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

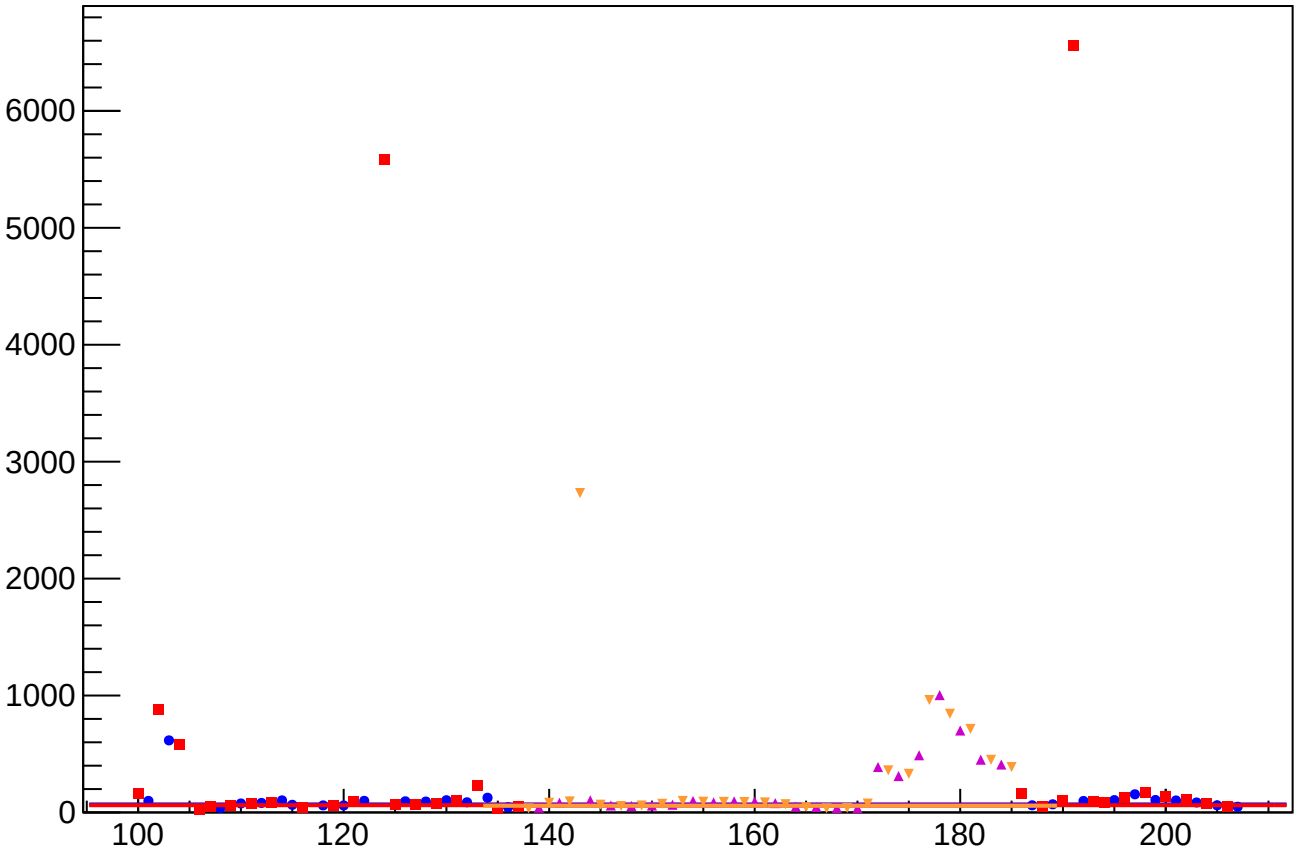
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.026+/-0.014 χ^2/NDF: 54.7/56

In: -0.005+/-0.013 χ^2/NDF:45.9/48

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.020+/-0.009 χ^2/NDF: 103.1/104



Right In: 68.440+/-0.014 χ^2/NDF: 4072488.7/25

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

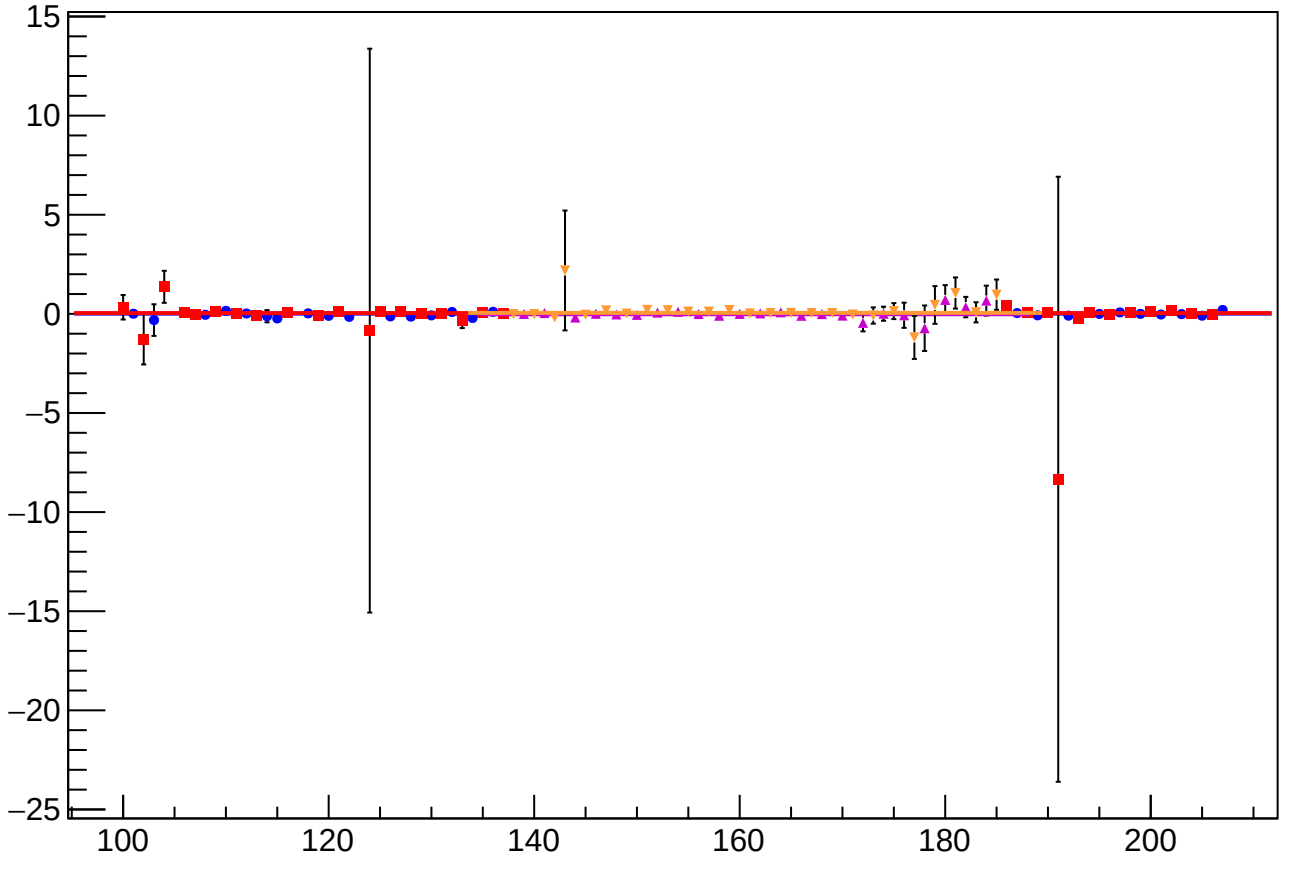
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.941+/-0.010 χ^2/NDF: 11458087.2/56

In: 62.745+/-0.009 χ^2/NDF:14600111.7/48

Out: 59.378+/-0.009 χ^2/NDF:19661841.2/55

All: 61.003+/-0.006 χ^2/NDF: 34331200.9/104



Right In: 0.014+/-0.020 χ^2/NDF: 28.9/25

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

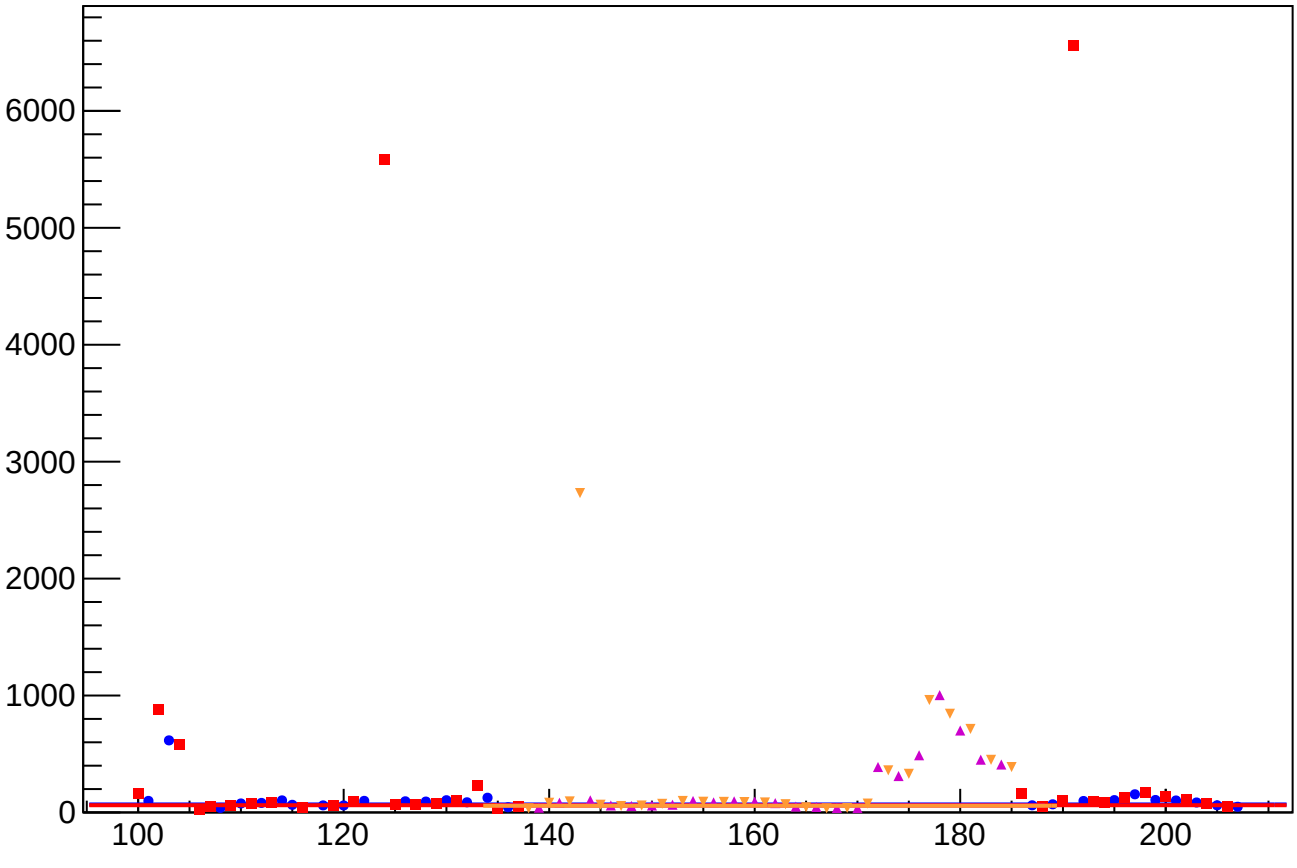
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.026+/-0.014 χ^2/NDF: 54.7/56

In: -0.005+/-0.013 χ^2/NDF:45.9/48

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.020+/-0.009 χ^2/NDF: 103.1/104



Right In: 68.440+/-0.014 χ^2/NDF: 4072488.7/25

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

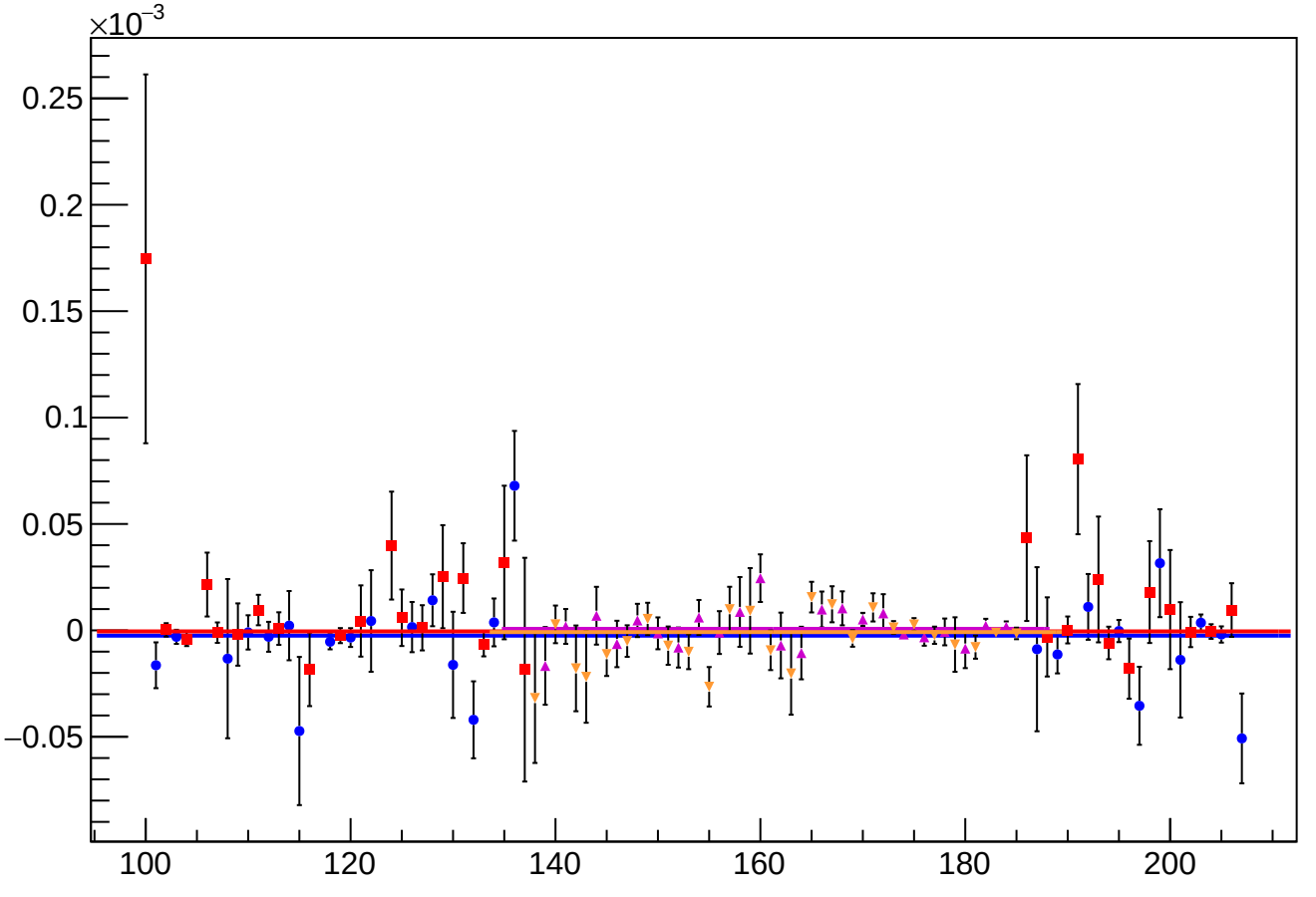
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 64.941+/-0.010 χ^2/NDF: 11458087.2/56

In: 62.745+/-0.009 χ^2/NDF:14600111.7/48

Out: 59.378+/-0.009 χ^2/NDF:19661841.2/55

All: 61.003+/-0.006 χ^2/NDF: 34331200.9/104



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/25

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

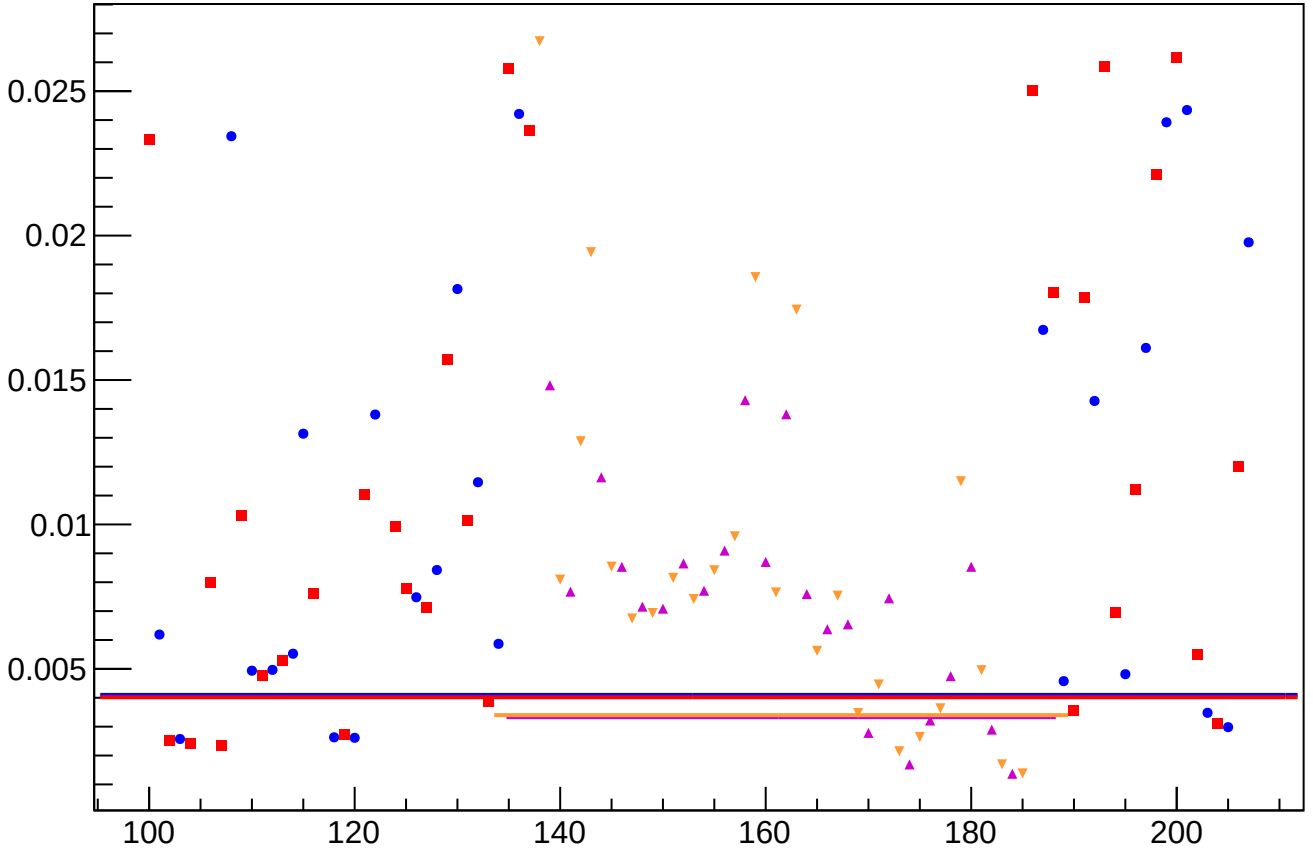
Right: -0.000+/-0.000 χ^2/NDF: 64.9/56

In: -0.000+/-0.000 χ^2/NDF:56.1/48

Out: -0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 118.8/104

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 10428669.7/25

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

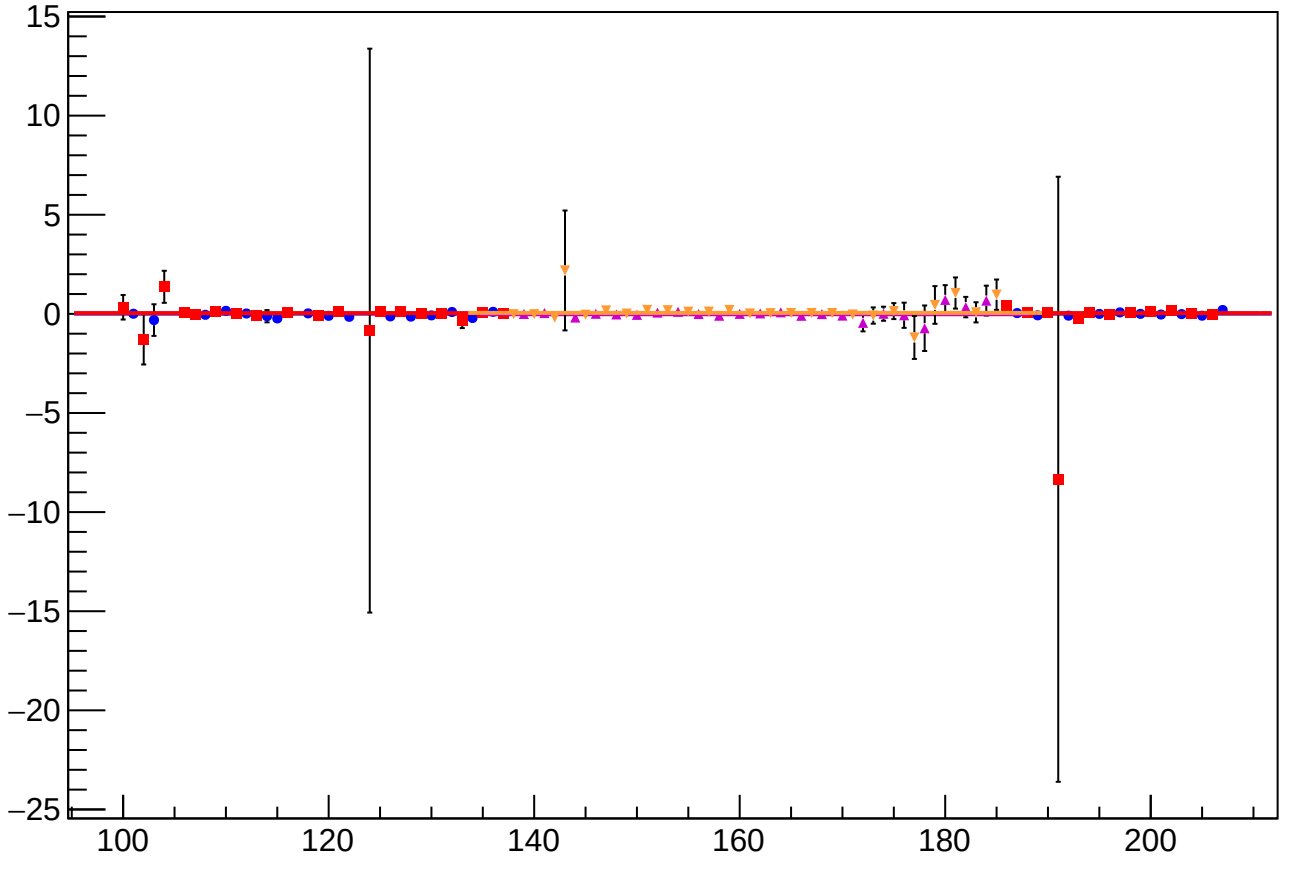
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 22535421.0/56

In: 0.004+/-0.000 χ^2/NDF:23377614.3/48

Out: 0.004+/-0.000 χ^2/NDF:26631532.7/55

All: 0.004+/-0.000 χ^2/NDF: 50010945.0/104



Right In: 0.014+/-0.020 χ^2/NDF: 28.9/25

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

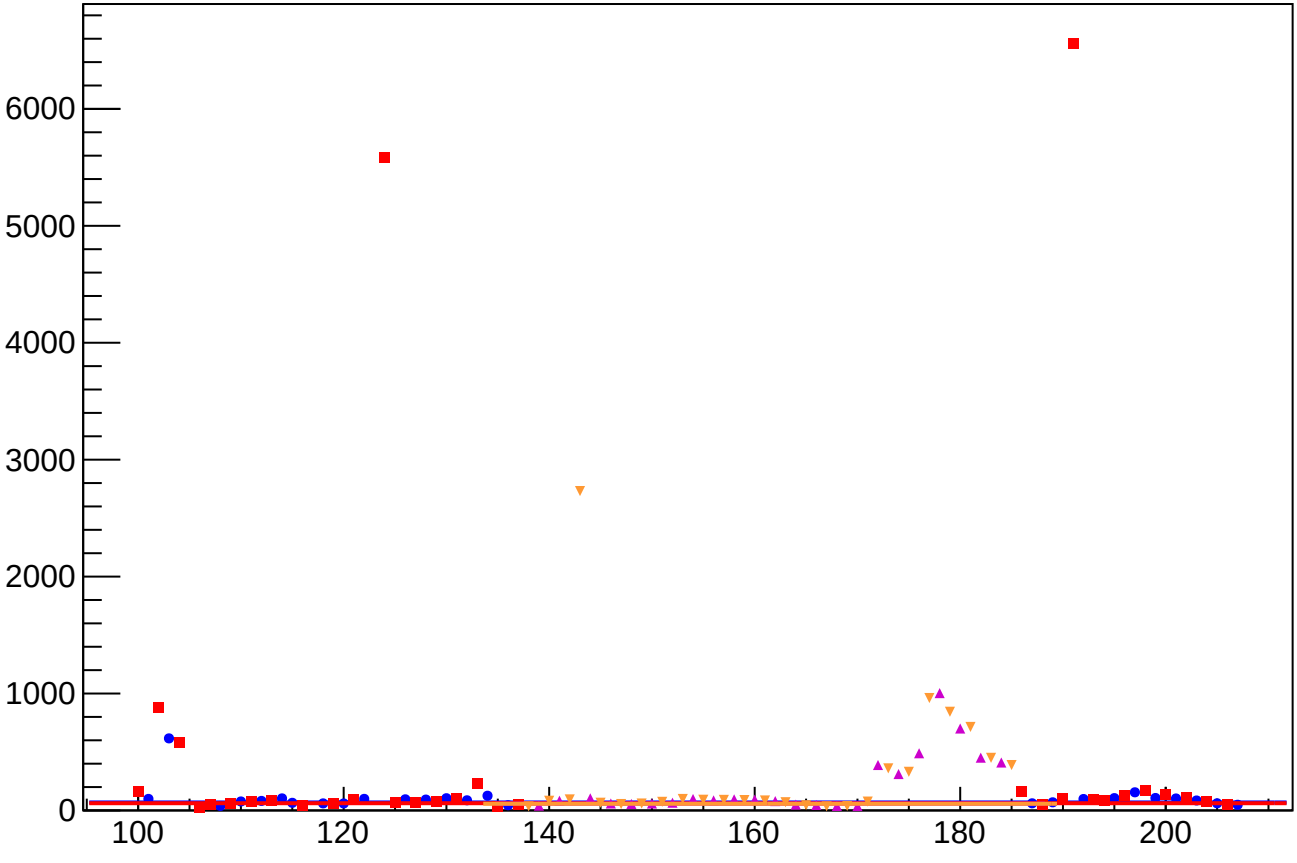
Right: 0.026+/-0.014 χ^2/NDF: 54.7/56

In: -0.005+/-0.013 χ^2/NDF:45.9/48

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.020+/-0.009 χ^2/NDF: 103.1/104

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.444+/-0.014 χ^2/NDF: 4071424.8/25

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

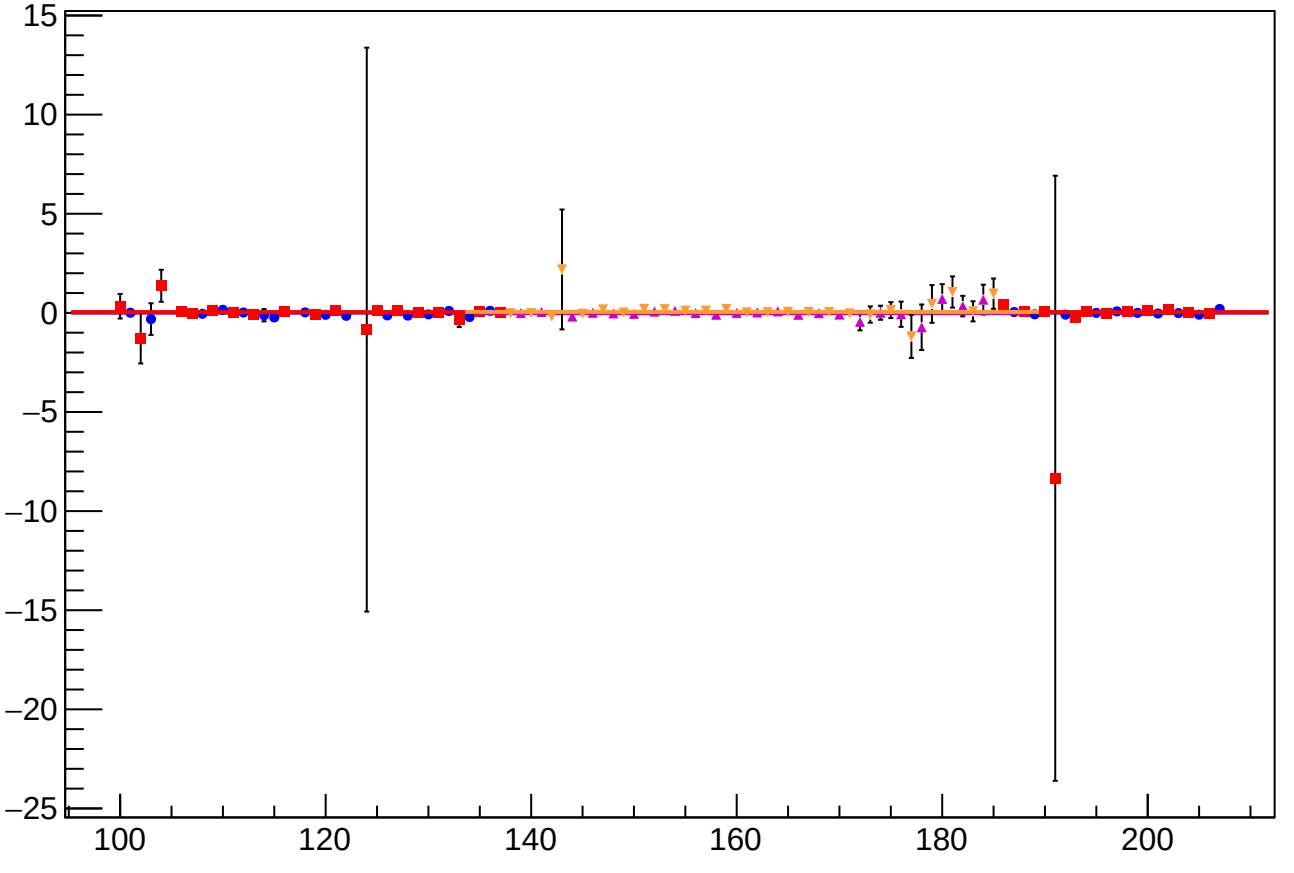
Right: 64.941+/-0.010 χ^2/NDF: 11458249.5/56

In: 62.748+/-0.009 χ^2/NDF:14598633.5/48

Out: 59.376+/-0.009 χ^2/NDF:19662456.1/55

All: 61.003+/-0.006 χ^2/NDF: 34330560.3/104

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.020 χ^2/NDF: 28.9/25

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

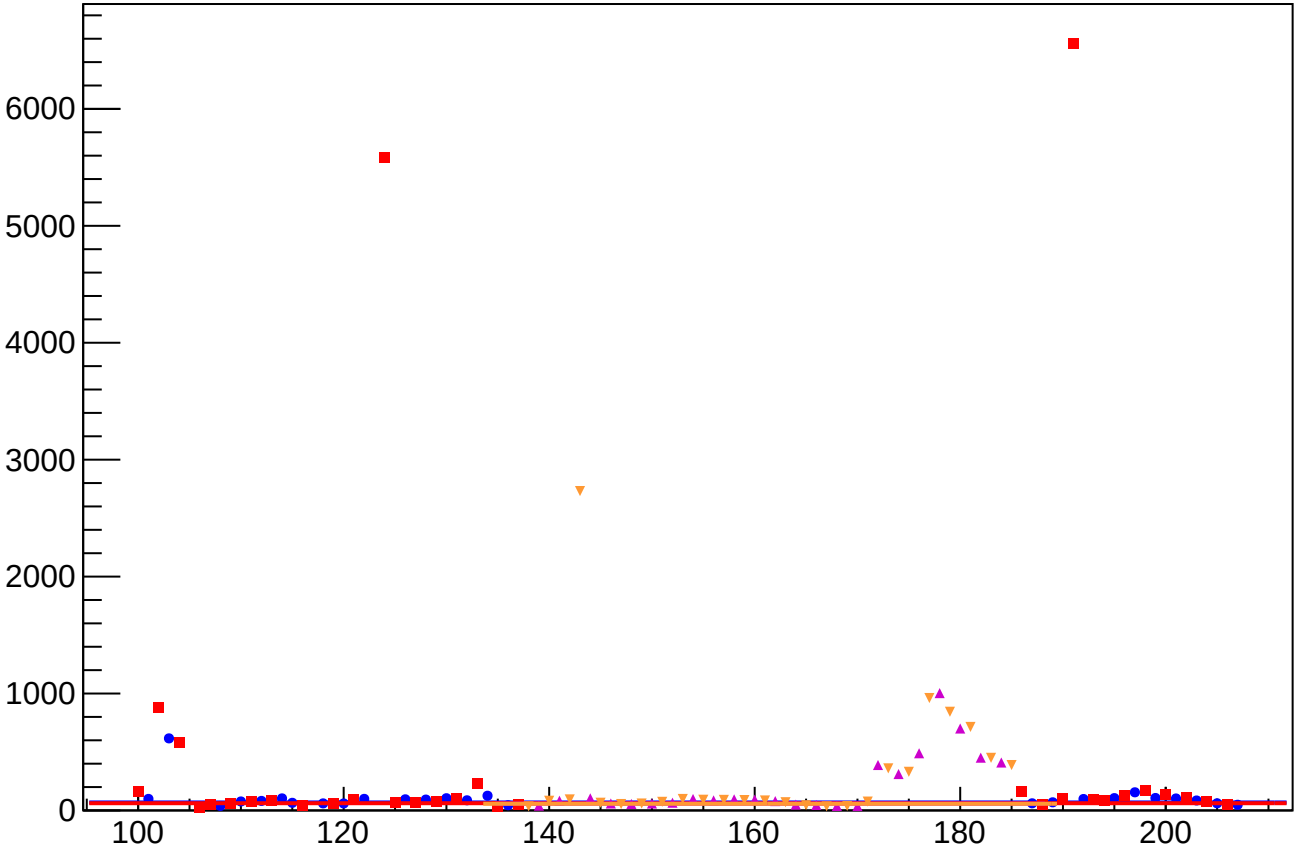
Right: 0.026+/-0.014 χ^2/NDF: 54.7/56

In: -0.005+/-0.013 χ^2/NDF:45.9/48

Out: 0.044+/-0.013 χ^2/NDF:49.9/55

All: 0.020+/-0.009 χ^2/NDF: 103.1/104

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.444+/-0.014 χ^2/NDF: 4071424.8/25

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

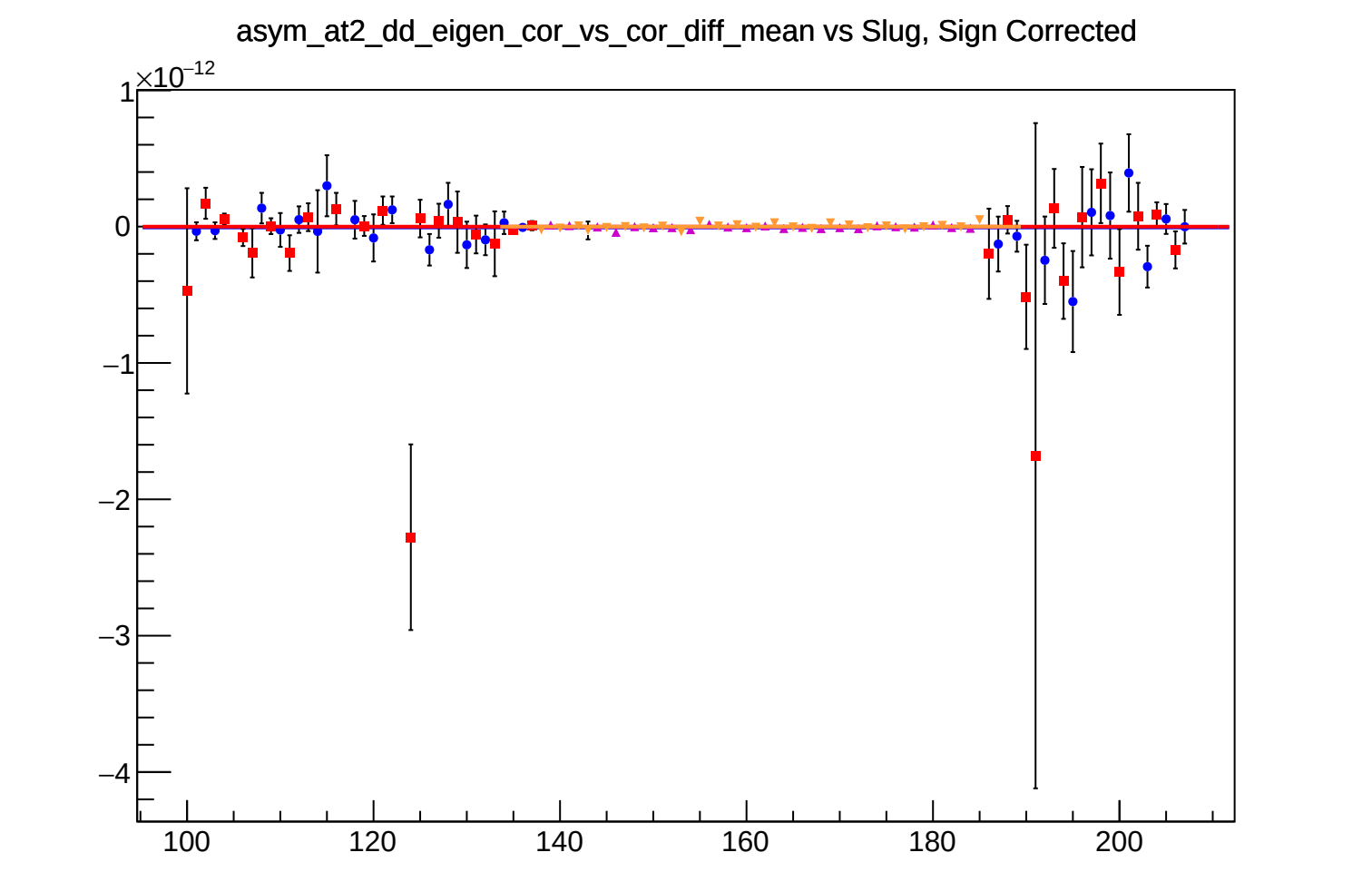
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 64.941+/-0.010 χ^2/NDF: 11458249.5/56

In: 62.748+/-0.009 χ^2/NDF:14598633.5/48

Out: 59.376+/-0.009 χ^2/NDF:19662456.1/55

All: 61.003+/-0.006 χ^2/NDF: 34330560.3/104



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/25

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/30

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

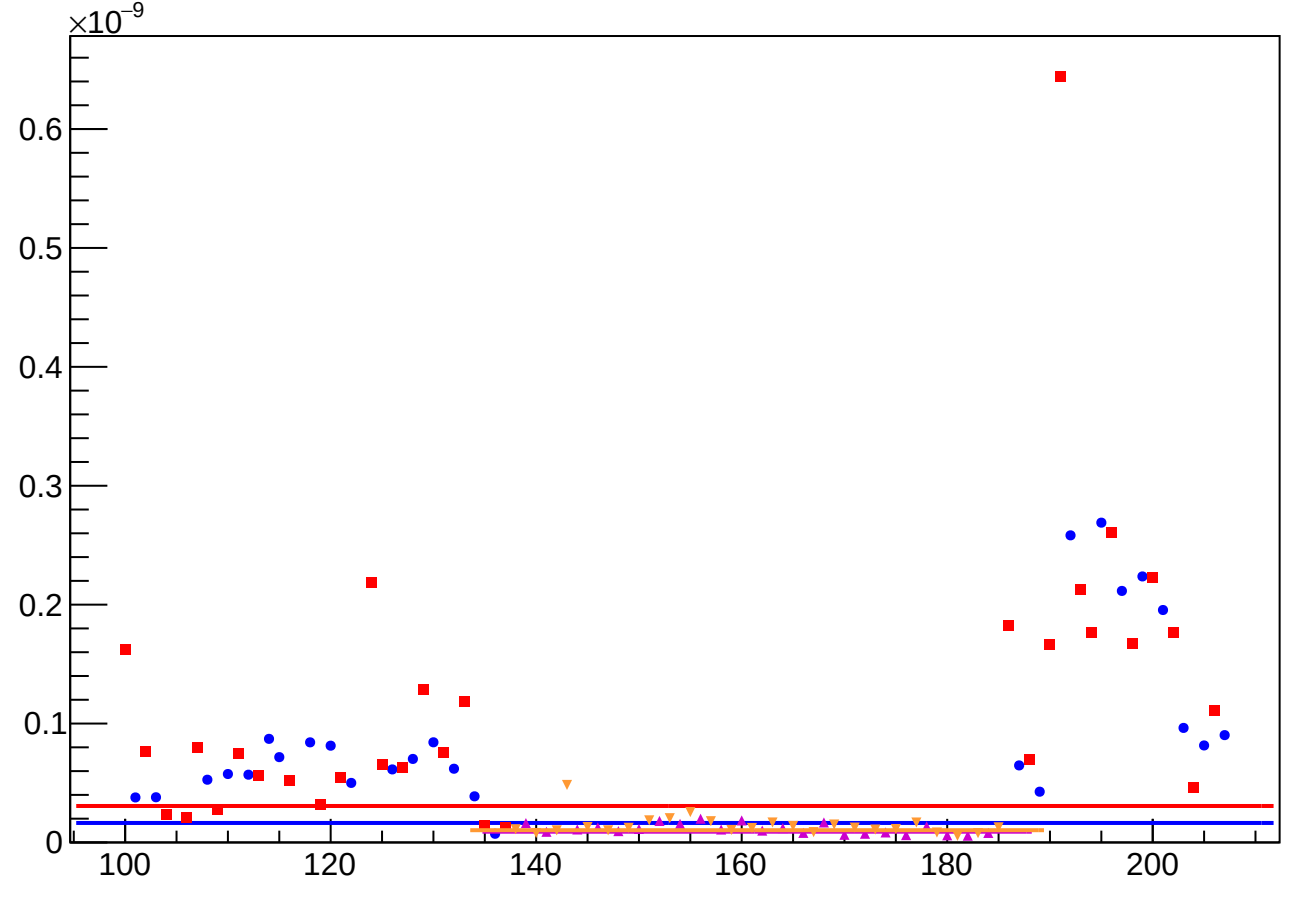
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 55.8/56

In: -0.000+/-0.000 χ^2/NDF:35.8/48

Out: -0.000+/-0.000 χ^2/NDF:54.2/55

All: -0.000+/-0.000 χ^2/NDF: 90.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 11830433.6/25

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

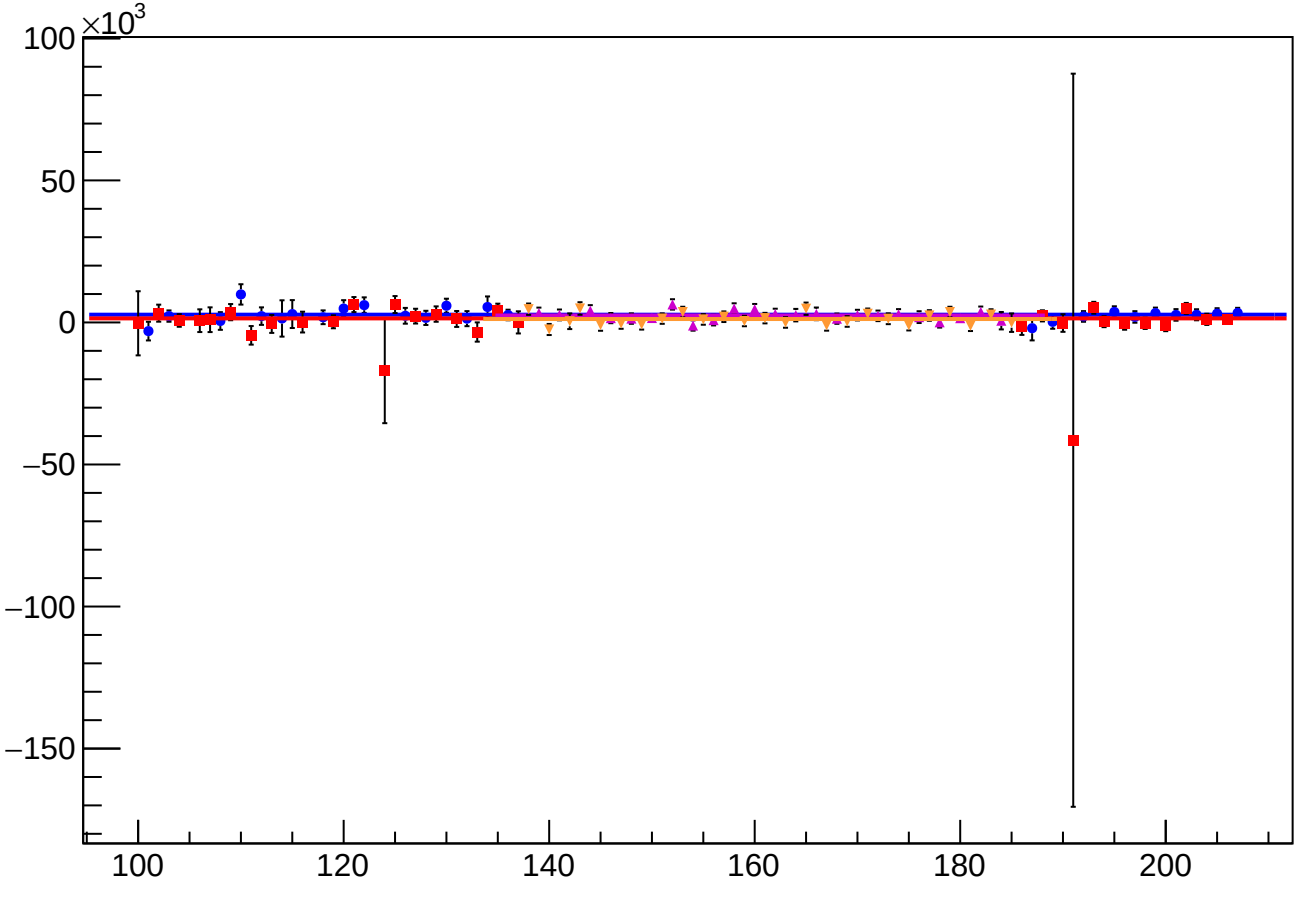
Right: 0.000+/-0.000 χ^2/NDF: 22890947.2/56

In: 0.000+/-0.000 χ^2/NDF:15863720.1/48

Out: 0.000+/-0.000 χ^2/NDF:17195617.6/55

All: 0.000+/-0.000 χ^2/NDF: 33372131.1/104

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2729.574+/-474.876 χ^2/NDF: 15.6/25

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

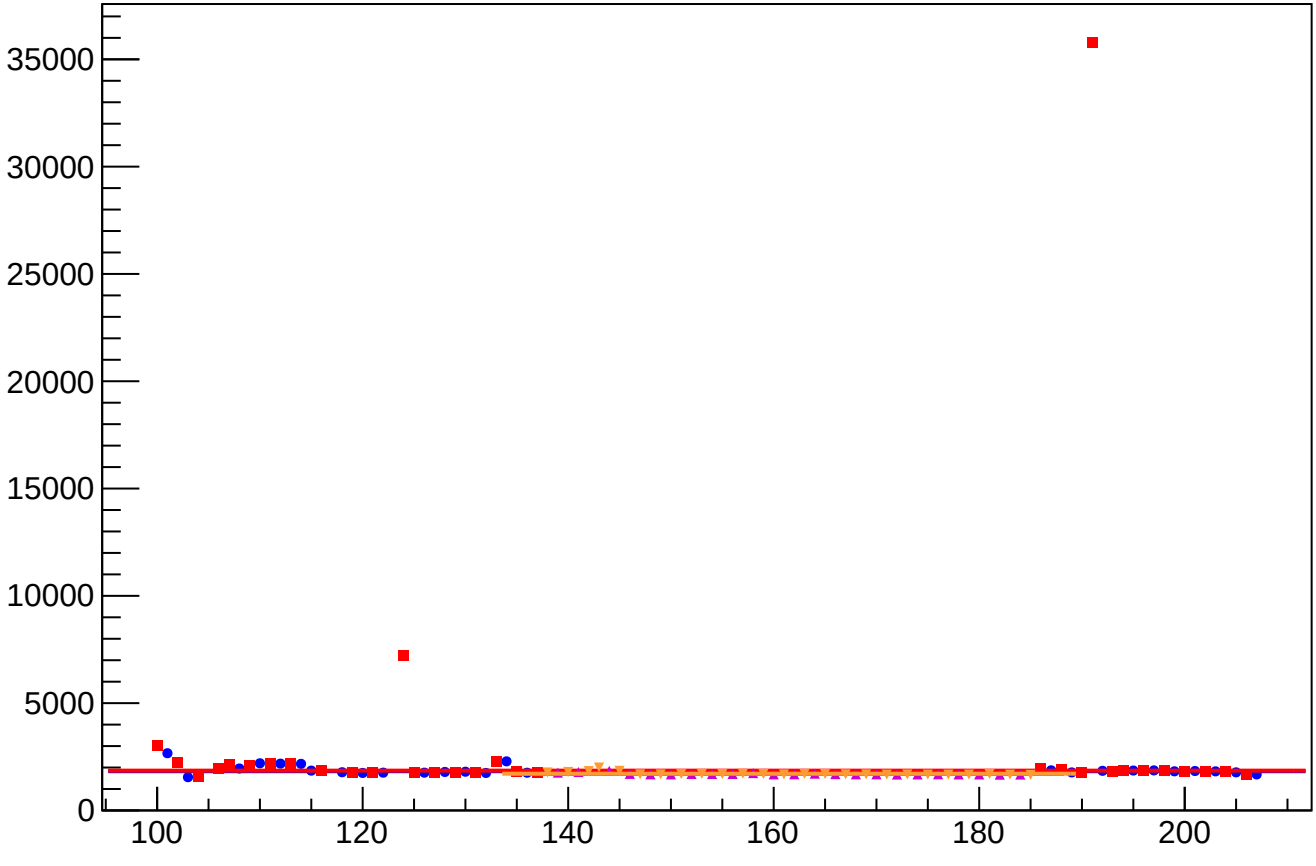
Right: 2063.997+/-332.511 χ^2/NDF: 47.2/56

In: 2558.886+/-305.020 χ^2/NDF:33.3/48

Out: 1293.411+/-298.621 χ^2/NDF:54.2/55

All: 1912.737+/-213.383 χ^2/NDF: 96.3/104

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1829.934+/-0.336 χ^2/NDF: 284304.4/25

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

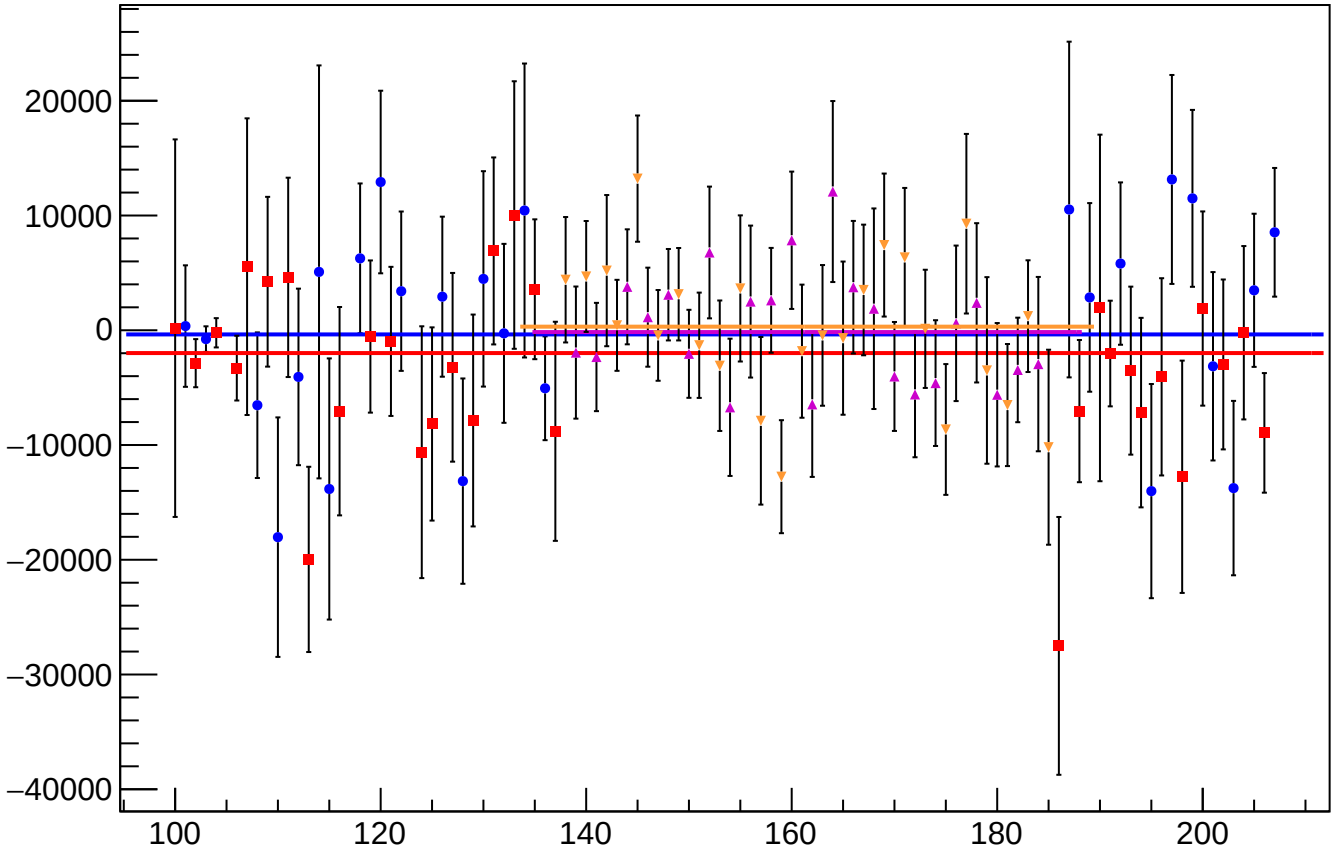
Right: 1842.873+/-0.235 χ^2/NDF: 829950.5/56

In: 1755.938+/-0.216 χ^2/NDF:389539.3/48

Out: 1770.847+/-0.211 χ^2/NDF:714774.5/55

All: 1763.554+/-0.151 χ^2/NDF: 1106754.6/10

asym_atl1r2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -362.221+/-896.313 χ^2/NDF: 28.4/25

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

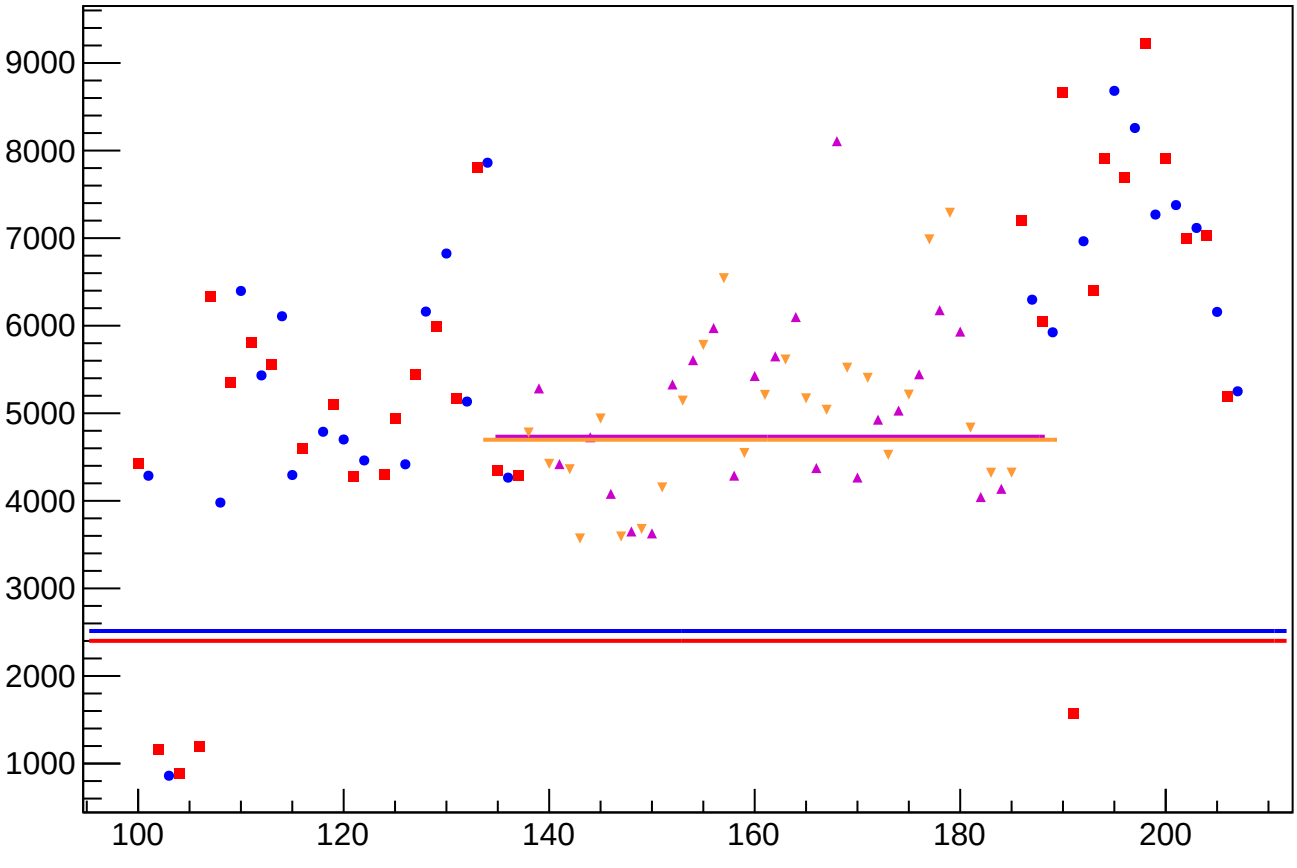
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1228.192+/-612.511 χ^2/NDF: 54.2/56

In: -283.207+/-701.853 χ^2/NDF:43.1/48

Out: -1132.825+/-665.285 χ^2/NDF:53.9/55

All: -730.725+/-482.838 χ^2/NDF: 97.8/104



Right In: 2513.630+/-0.634 χ^2/NDF: 13963110.7/25

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

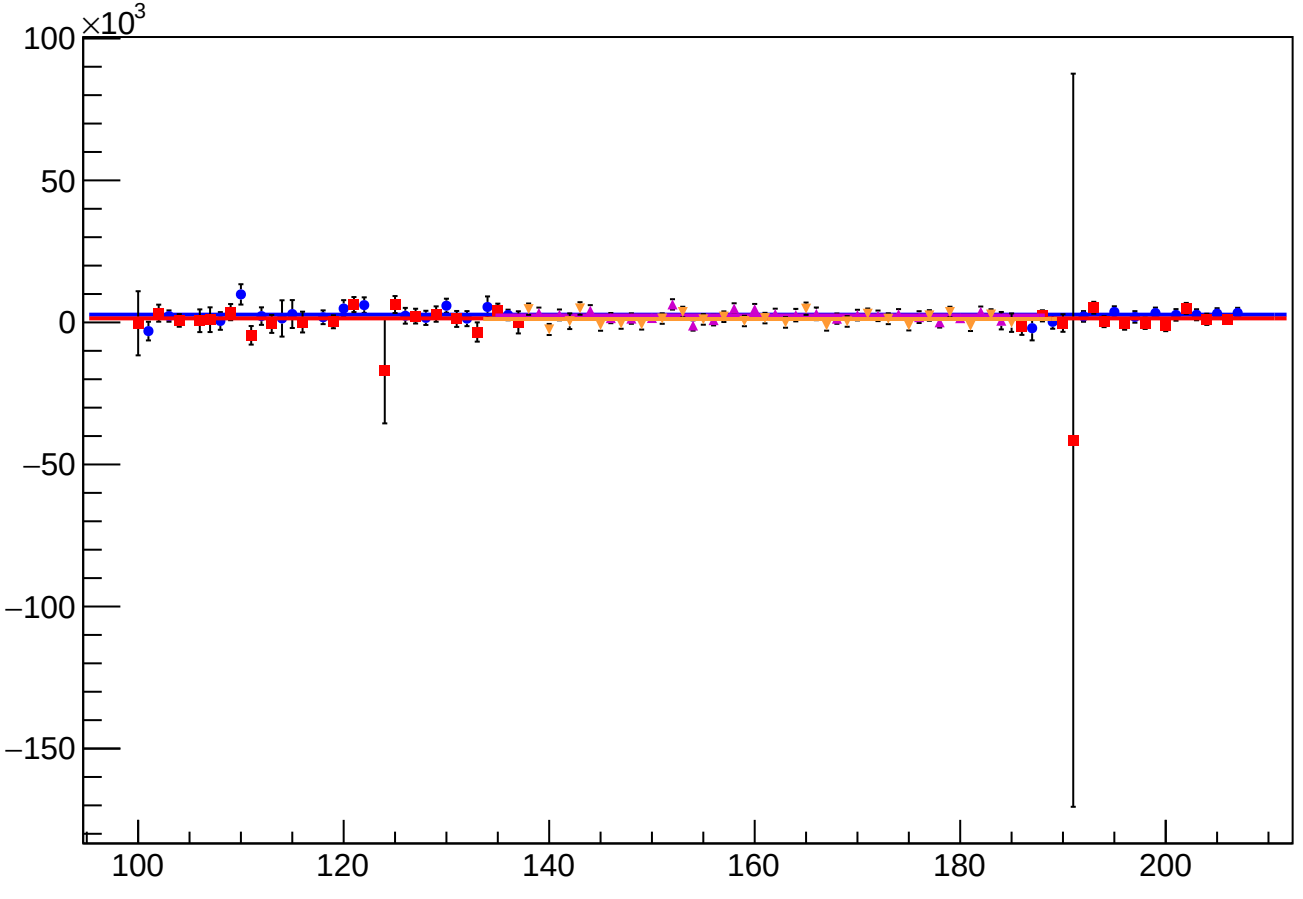
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2453.670+/-0.433 χ^2/NDF: 28940677.5/56

In: 3371.951+/-0.496 χ^2/NDF:19946985.3/48

Out: 3253.555+/-0.470 χ^2/NDF:21762454.5/55

All: 3309.589+/-0.341 χ^2/NDF: 41739417.6/1



Right In: 2729.715+/-474.876 χ^2/NDF: 15.6/25

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

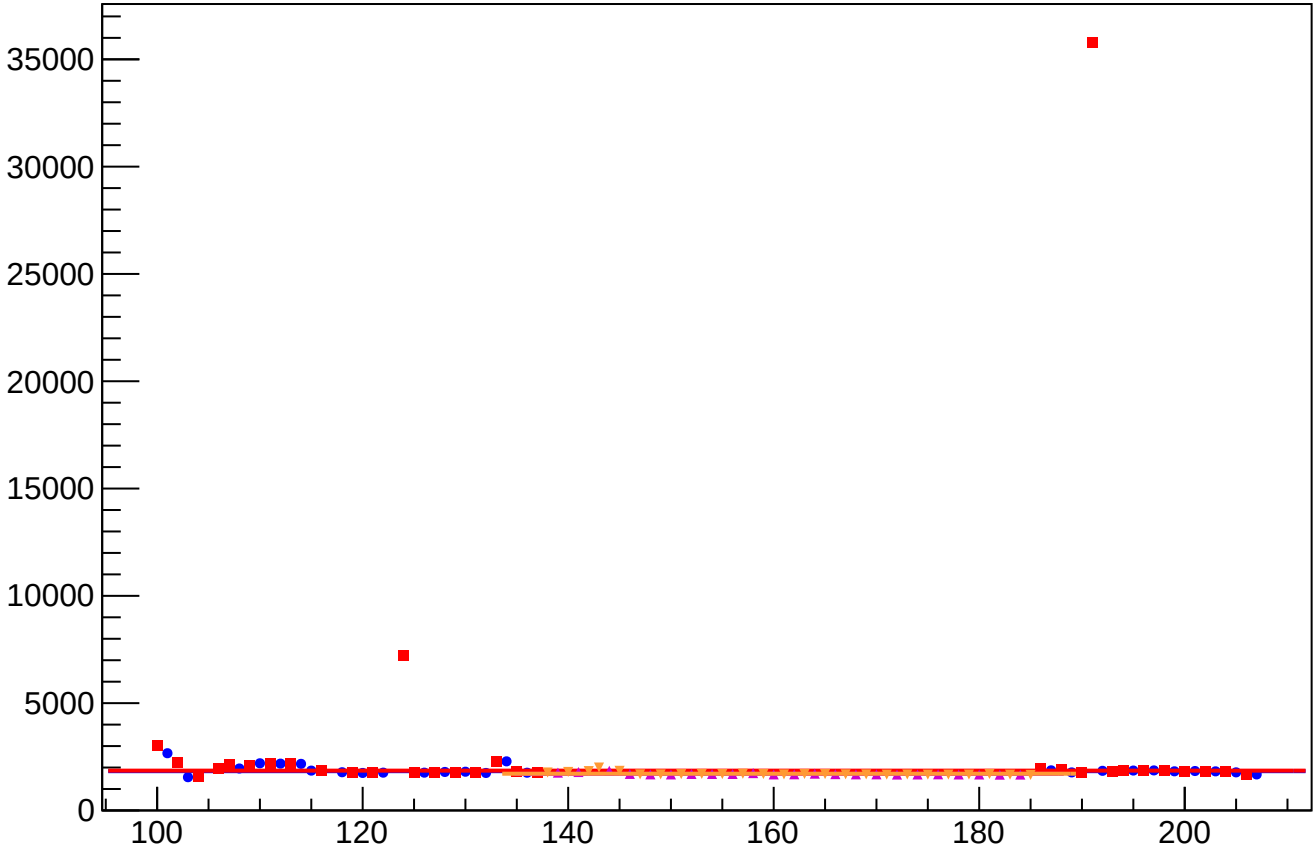
Right: 2063.781+/-332.511 χ^2/NDF: 47.2/56

In: 2558.904+/-305.020 χ^2/NDF:33.3/48

Out: 1293.124+/-298.622 χ^2/NDF:54.2/55

All: 1912.599+/-213.383 χ^2/NDF: 96.3/104

cor_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1829.934+/-0.336 χ^2/NDF: 284304.3/25

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

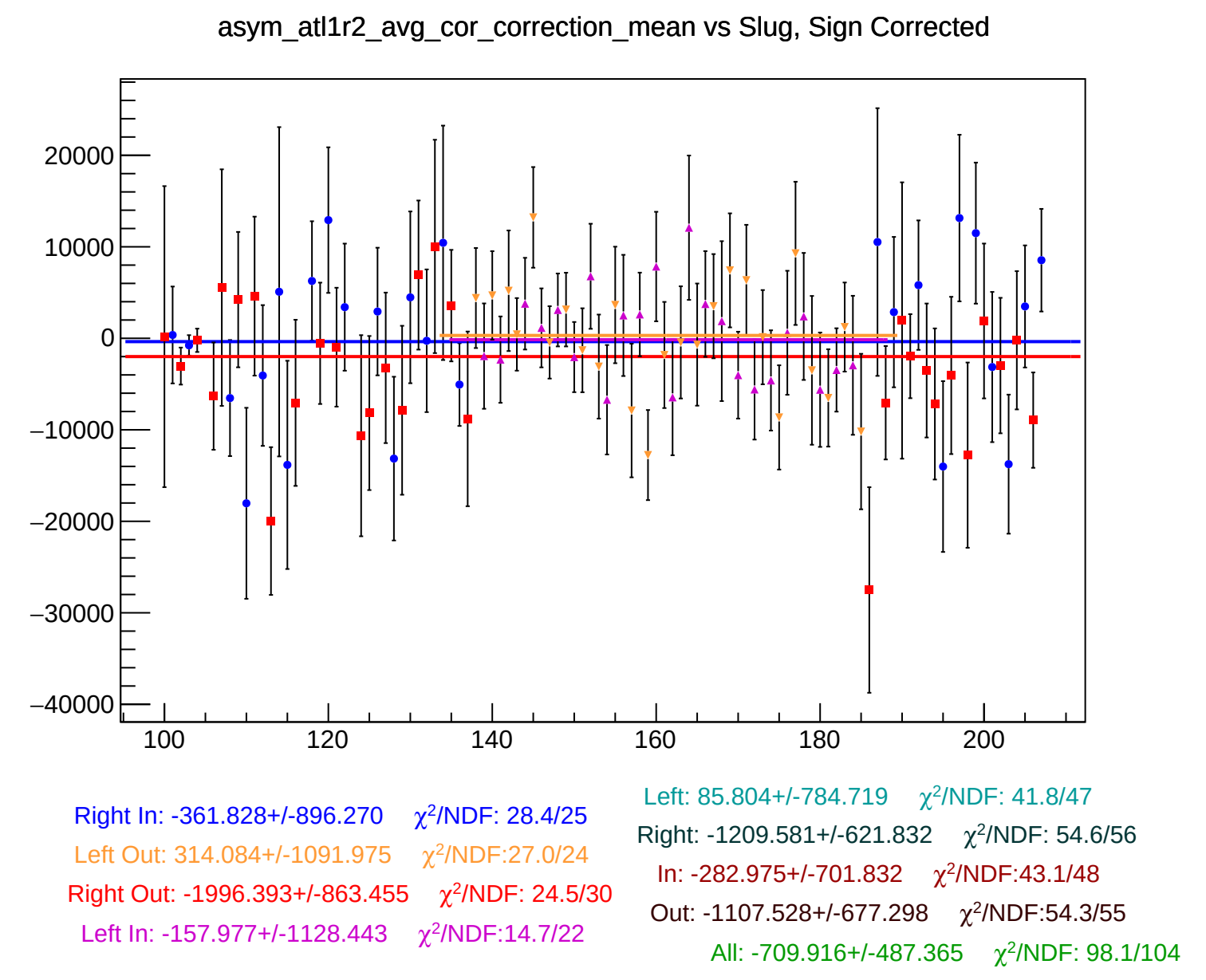
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

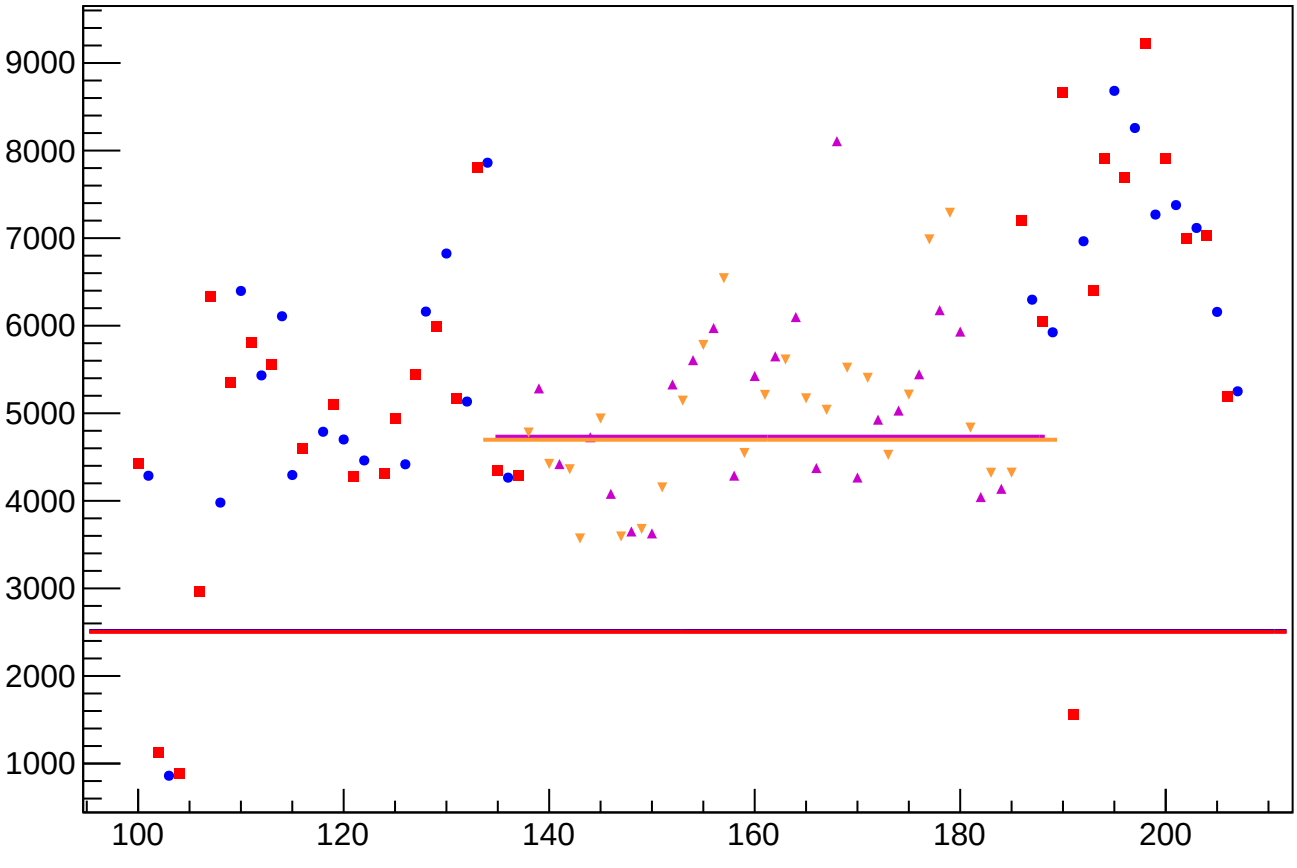
Right: 1842.970+/-0.235 χ^2/NDF: 830367.3/56

In: 1755.938+/-0.216 χ^2/NDF:389539.2/48

Out: 1770.920+/-0.211 χ^2/NDF:715434.7/55

All: 1763.591+/-0.151 χ^2/NDF: 1107438.3/10


asym_atl1r2_avg_cor_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -361.828+/-896.270 χ²/NDF: 28.4/25
Left Out: 314.084+/-1091.975 χ²/NDF:27.0/24
Right Out: -1996.393+/-863.455 χ²/NDF: 24.5/30
Left In: -157.977+/-1128.443 χ²/NDF:14.7/22
Left: 85.804+/-784.719 χ²/NDF: 41.8/47
Right: -1209.581+/-621.832 χ²/NDF: 54.6/56
In: -282.975+/-701.832 χ²/NDF:43.1/48
Out: -1107.528+/-677.298 χ²/NDF:54.3/55
All: -709.916+/-487.365 χ²/NDF: 98.1/104



Right In: 2513.435+/-0.634 χ^2/NDF: 13964061.9/25

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

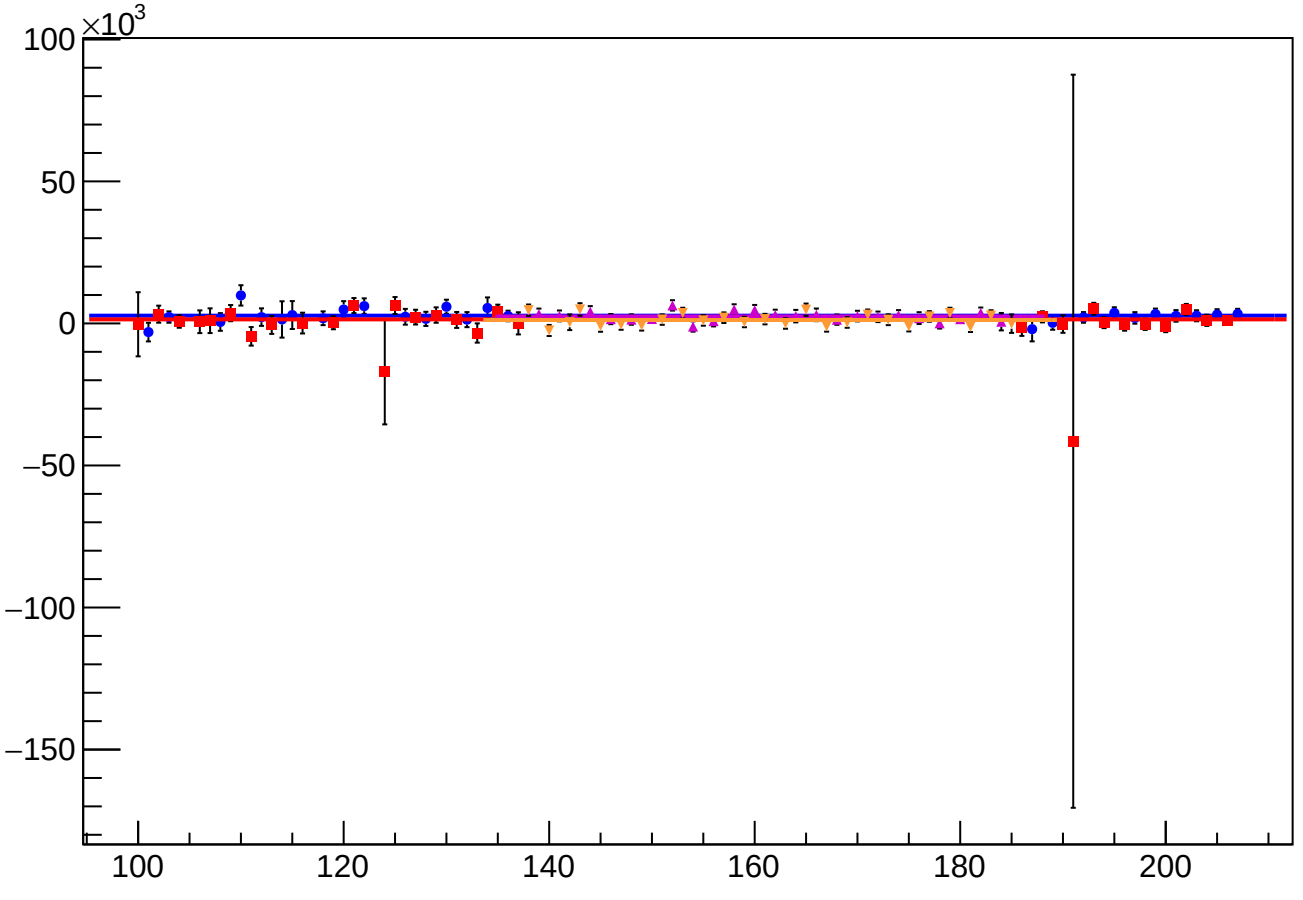
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2508.445+/-0.440 χ^2/NDF: 28647897.3/56

In: 3371.780+/-0.496 χ^2/NDF:19948950.6/48

Out: 3347.793+/-0.479 χ^2/NDF:20889937.1/55

All: 3359.360+/-0.345 χ^2/NDF: 40840097.4/1



Right In: 2729.715+/-474.876 χ^2/NDF: 15.6/25

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

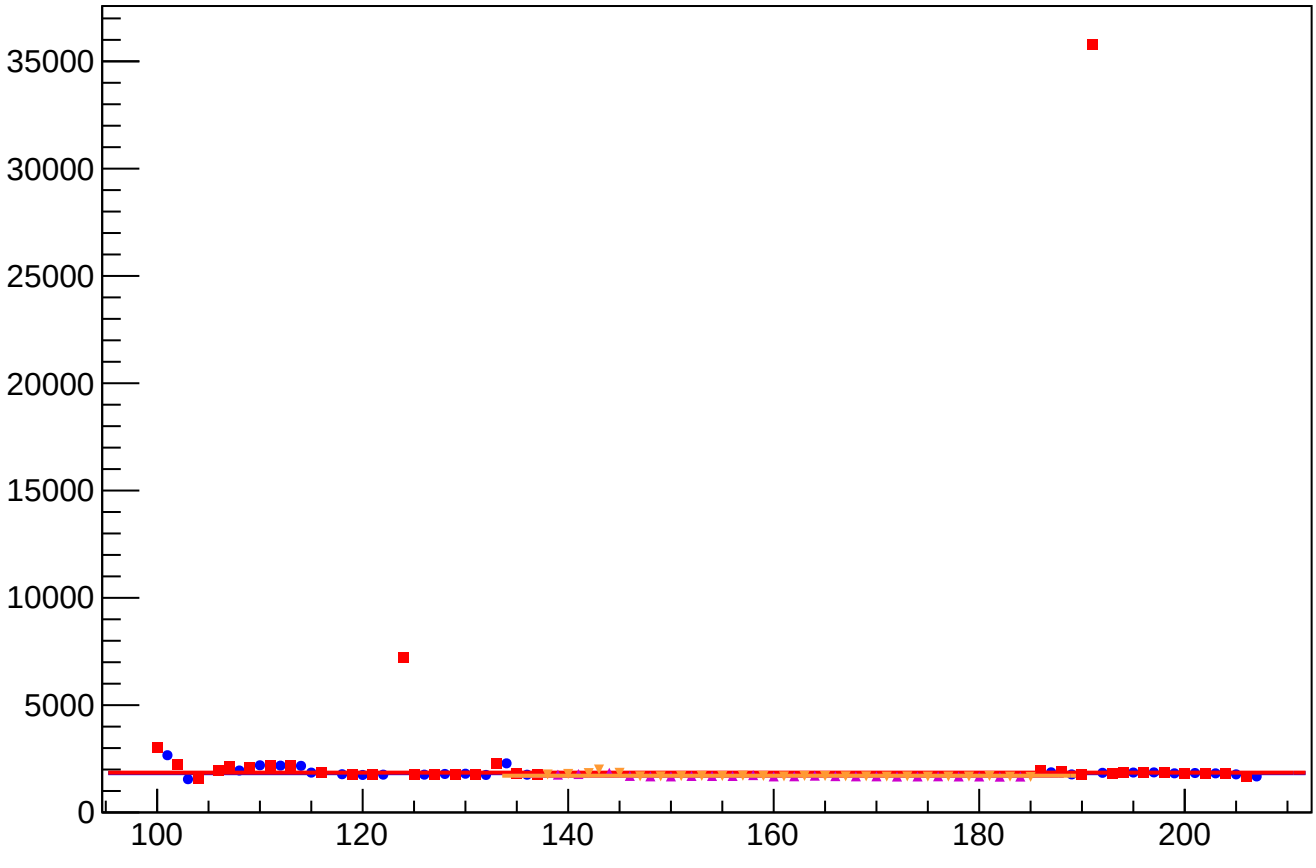
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2063.781+/-332.511 χ^2/NDF: 47.2/56

In: 2558.904+/-305.020 χ^2/NDF:33.3/48

Out: 1293.124+/-298.622 χ^2/NDF:54.2/55

All: 1912.599+/-213.383 χ^2/NDF: 96.3/104



Right In: 1829.934+/-0.336 χ^2/NDF: 284304.3/25

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

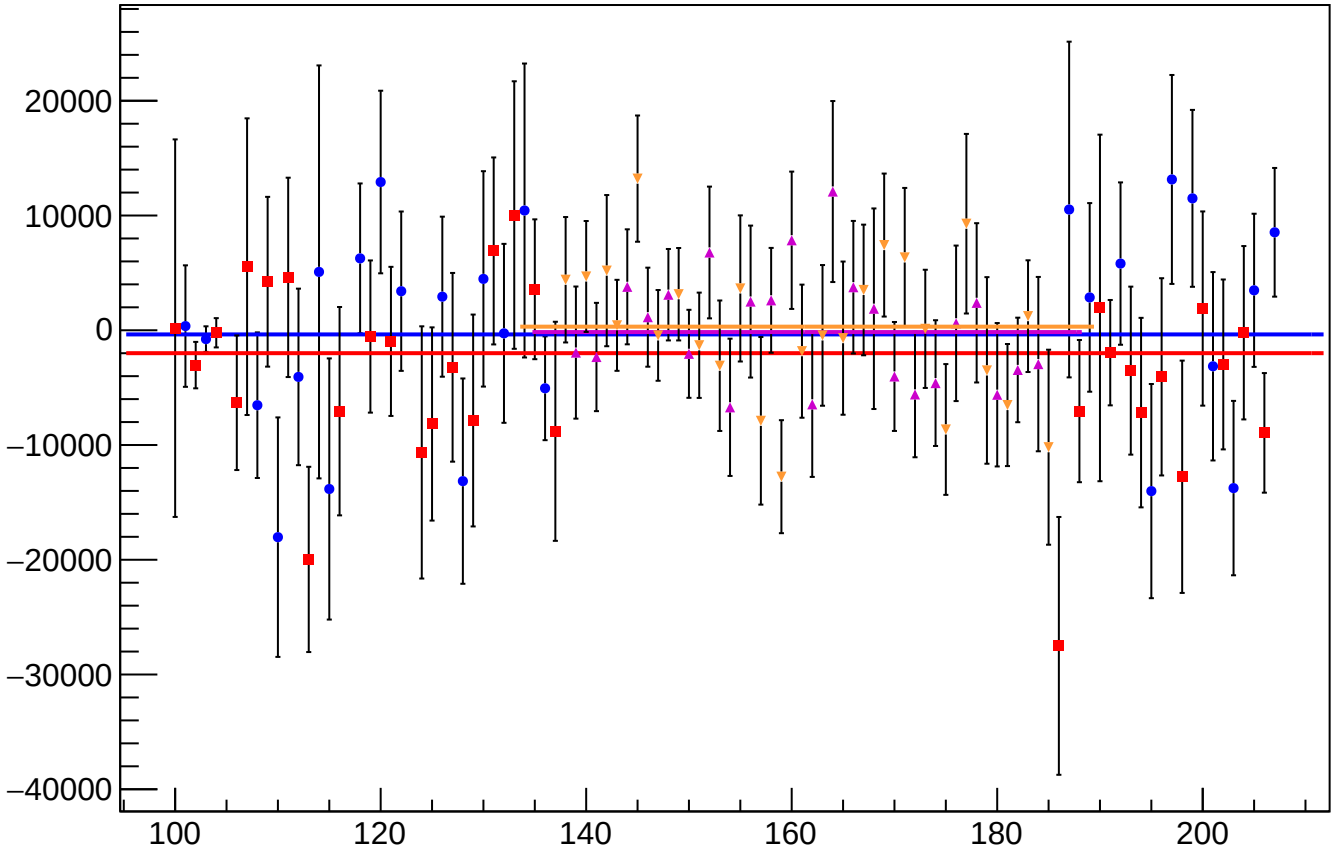
Right: 1842.970+/-0.235 χ^2/NDF: 830367.3/56

In: 1755.938+/-0.216 χ^2/NDF:389539.2/48

Out: 1770.920+/-0.211 χ^2/NDF:715434.7/55

All: 1763.591+/-0.151 χ^2/NDF: 1107438.3/10

asym_atl1r2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -361.828+/-896.270 χ^2/NDF: 28.4/25

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

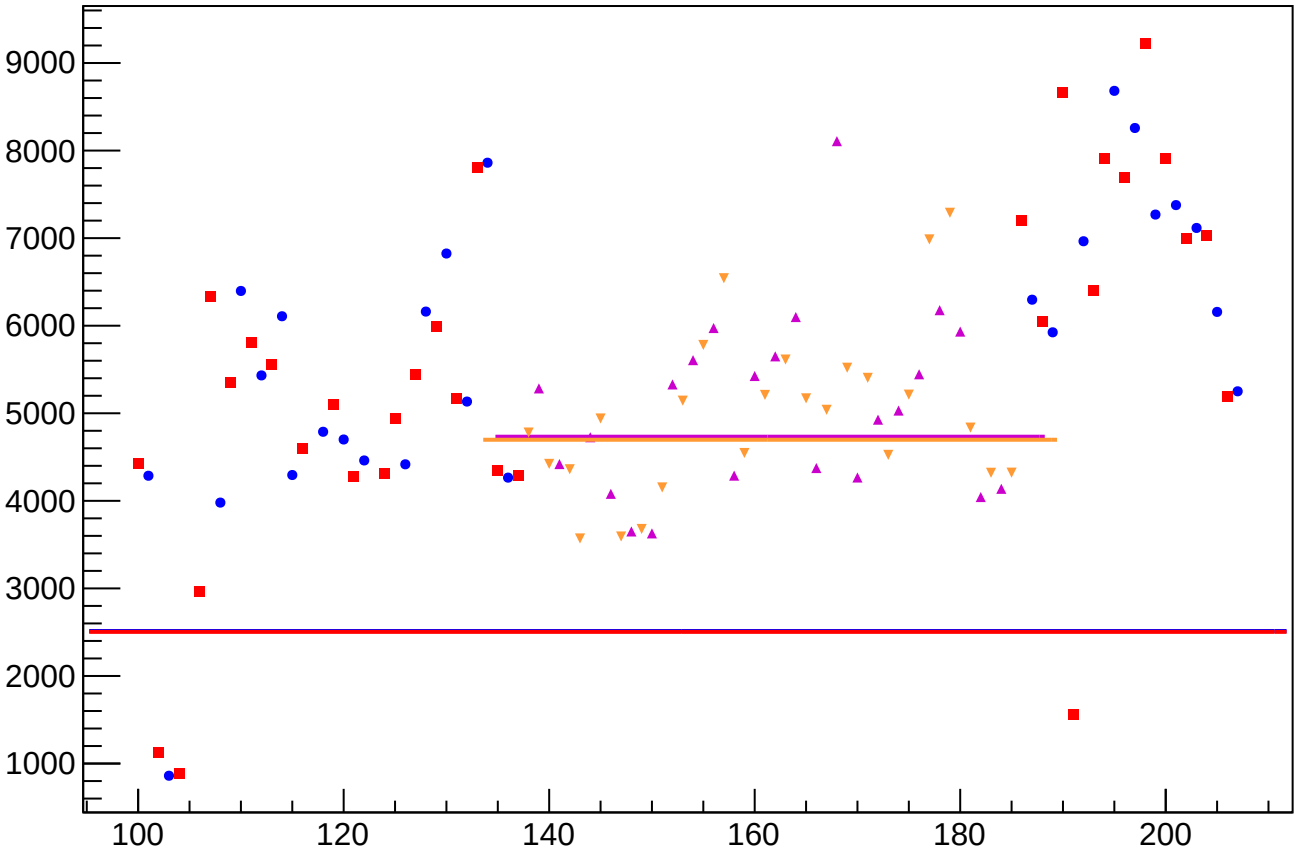
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1209.581+/-621.832 χ^2/NDF: 54.6/56

In: -282.975+/-701.832 χ^2/NDF:43.1/48

Out: -1107.528+/-677.298 χ^2/NDF:54.3/55

All: -709.916+/-487.365 χ^2/NDF: 98.1/104



Right In: 2513.435+/-0.634 χ^2/NDF: 13964061.9/25

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

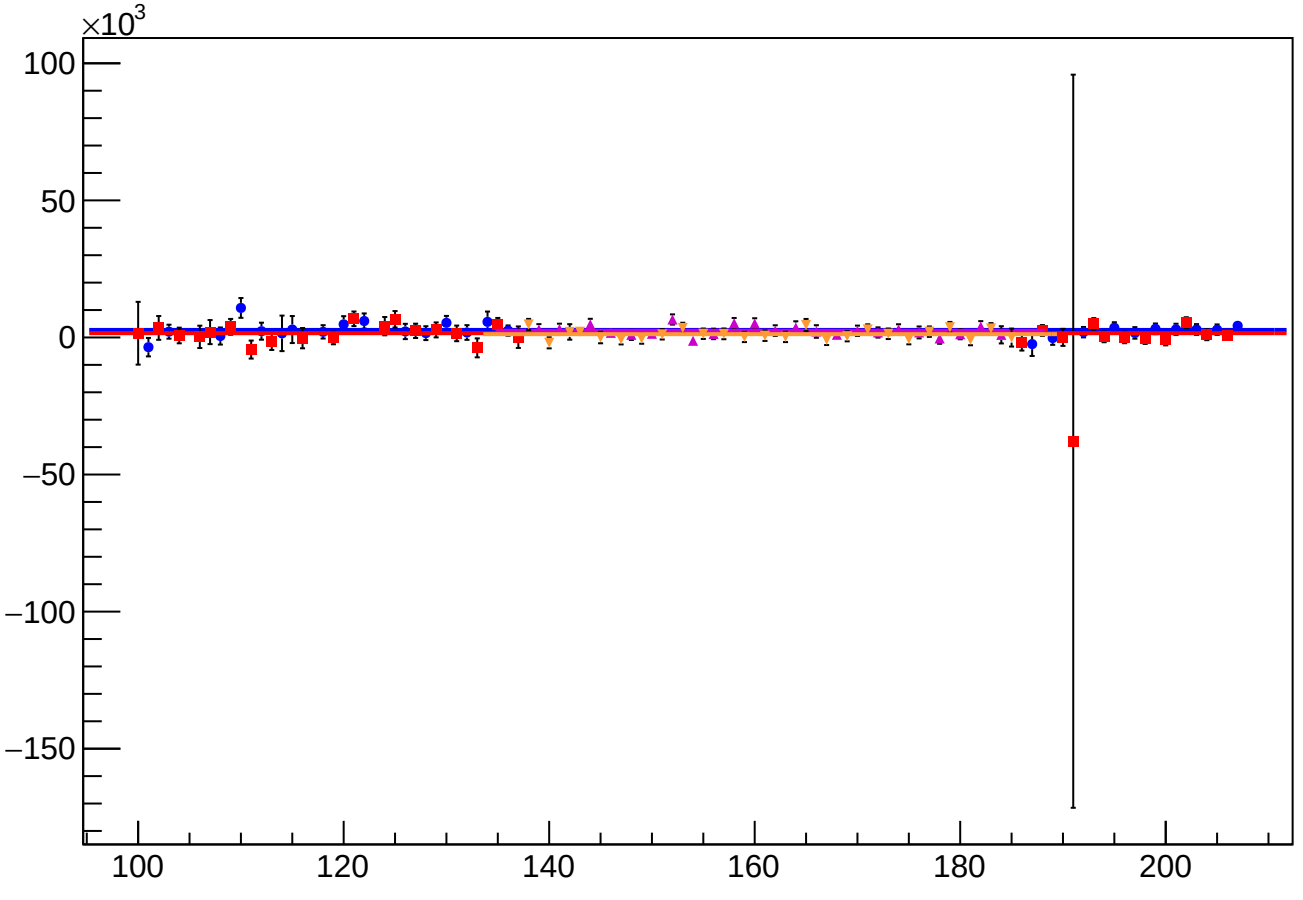
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2508.445+/-0.440 χ^2/NDF: 28647897.3/56

In: 3371.780+/-0.496 χ^2/NDF:19948950.6/48

Out: 3347.793+/-0.479 χ^2/NDF:20889937.1/55

All: 3359.360+/-0.345 χ^2/NDF: 40840097.4/



Right In: 2744.616+/-486.084 χ^2/NDF: 17.2/25

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

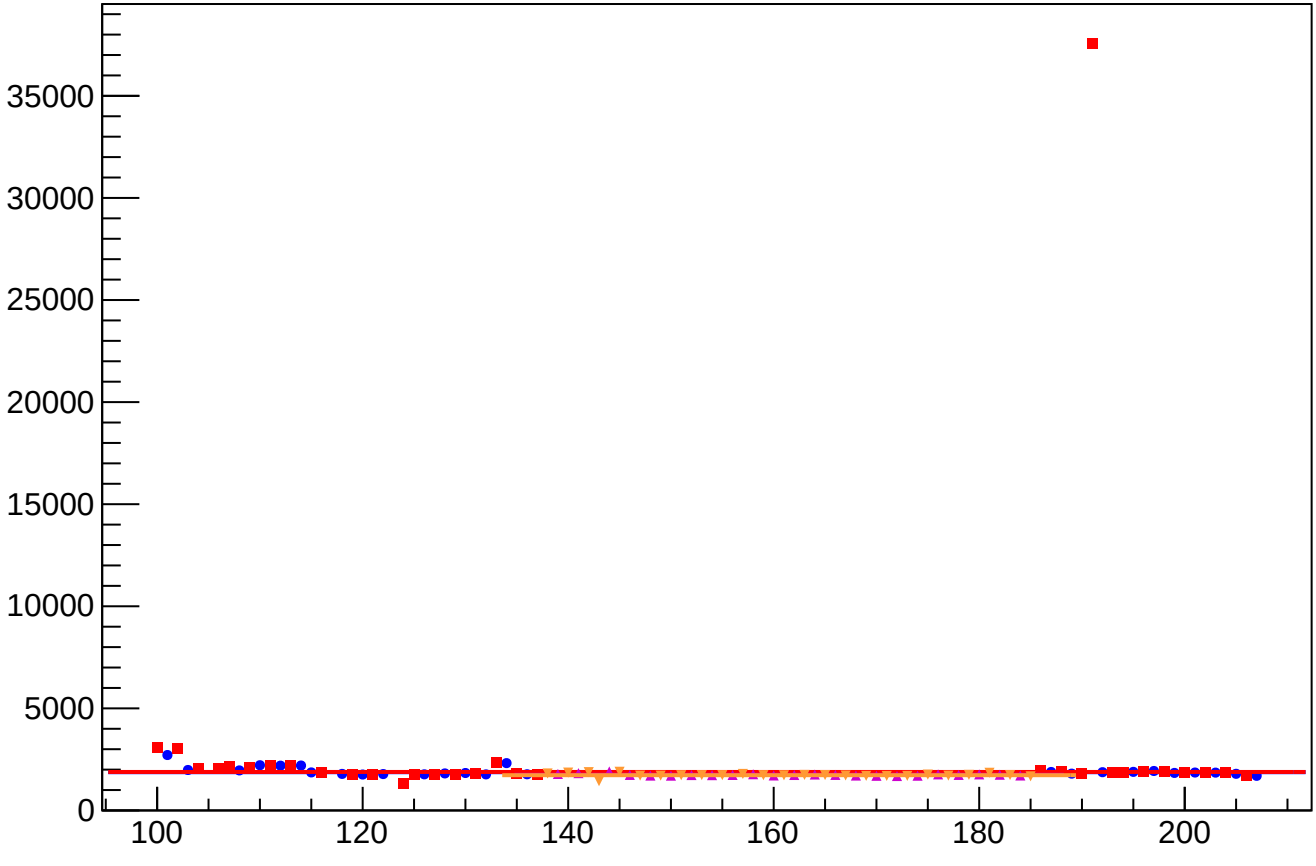
Right: 2133.278+/-339.413 χ^2/NDF: 49.7/56

In: 2564.605+/-312.304 χ^2/NDF:38.1/48

Out: 1341.614+/-302.567 χ^2/NDF:49.2/55

All: 1933.747+/-217.308 χ^2/NDF: 95.2/104

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1873.515+/-0.344 χ^2/NDF: 250318.8/25

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

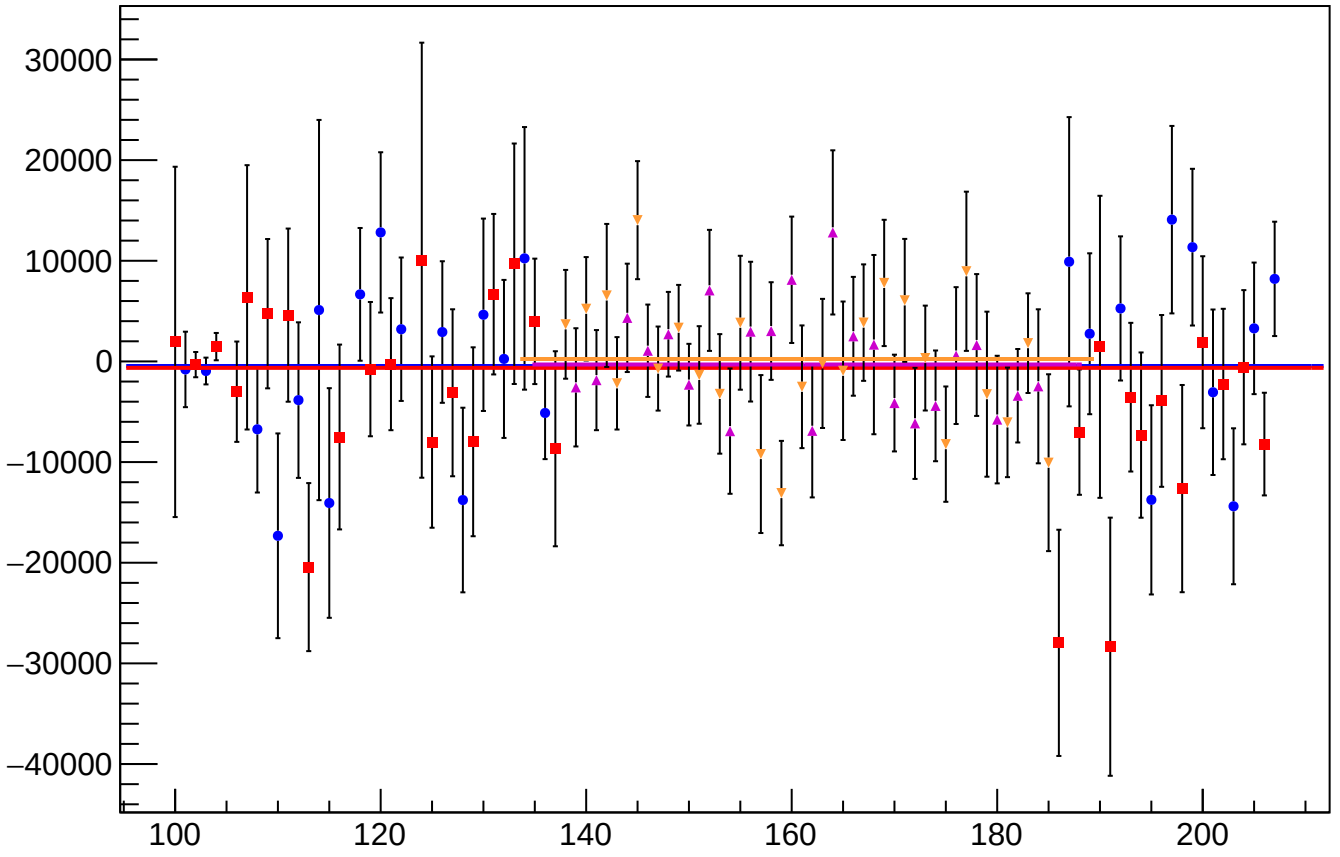
Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

Right: 1879.576+/-0.240 χ^2/NDF: 771672.7/56

In: 1797.835+/-0.221 χ^2/NDF:359680.1/48

Out: 1791.644+/-0.214 χ^2/NDF:762896.4/55

All: 1794.641+/-0.154 χ^2/NDF: 1122982.0/10



Right In: -456.495+/-983.079 χ^2/NDF: 28.2/25

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

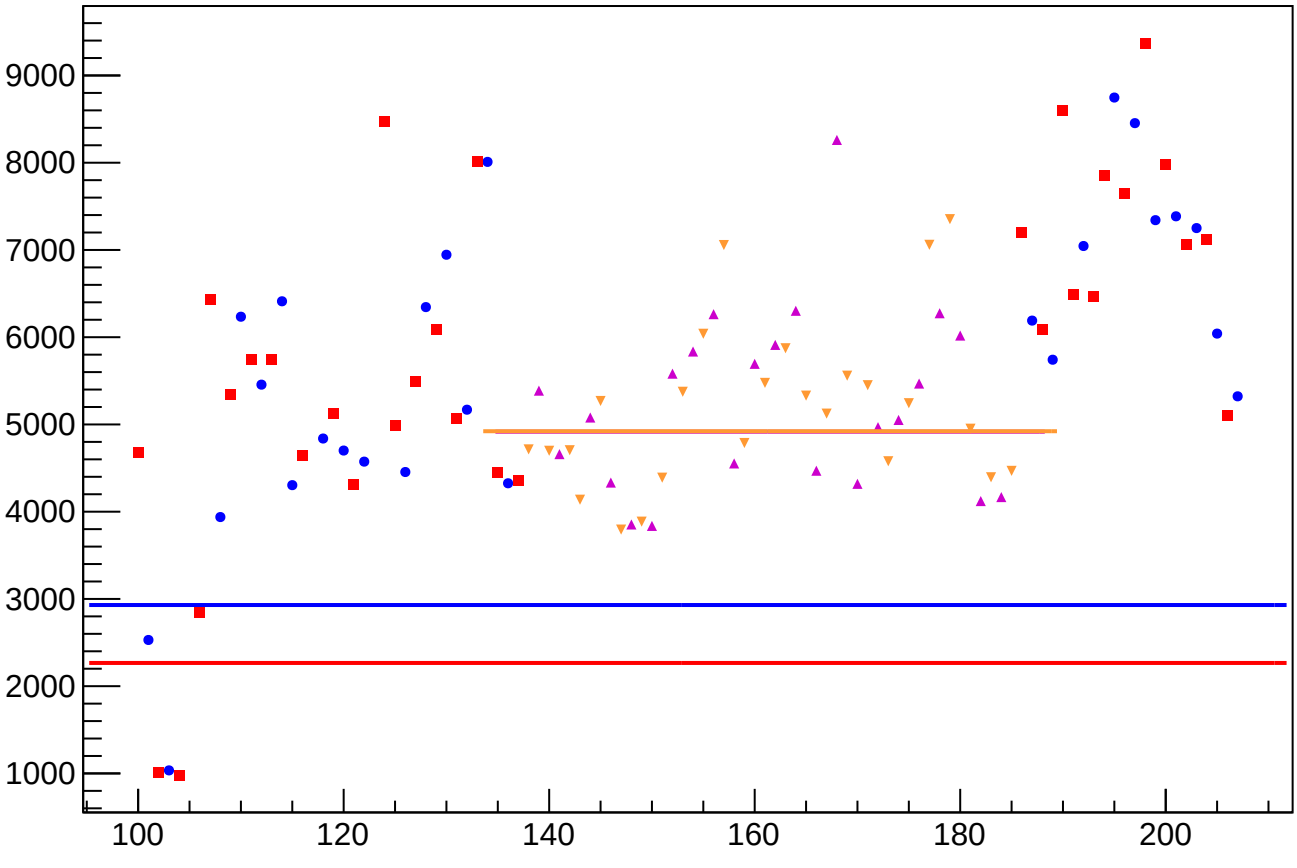
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -567.788+/-613.789 χ^2/NDF: 59.2/56

In: -394.323+/-752.931 χ^2/NDF:42.7/48

Out: -355.782+/-647.141 χ^2/NDF:58.1/55

All: -372.157+/-490.775 χ^2/NDF: 100.7/104



Right In: 2930.253+/-0.695 χ^2/NDF: 11543762.0/25

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

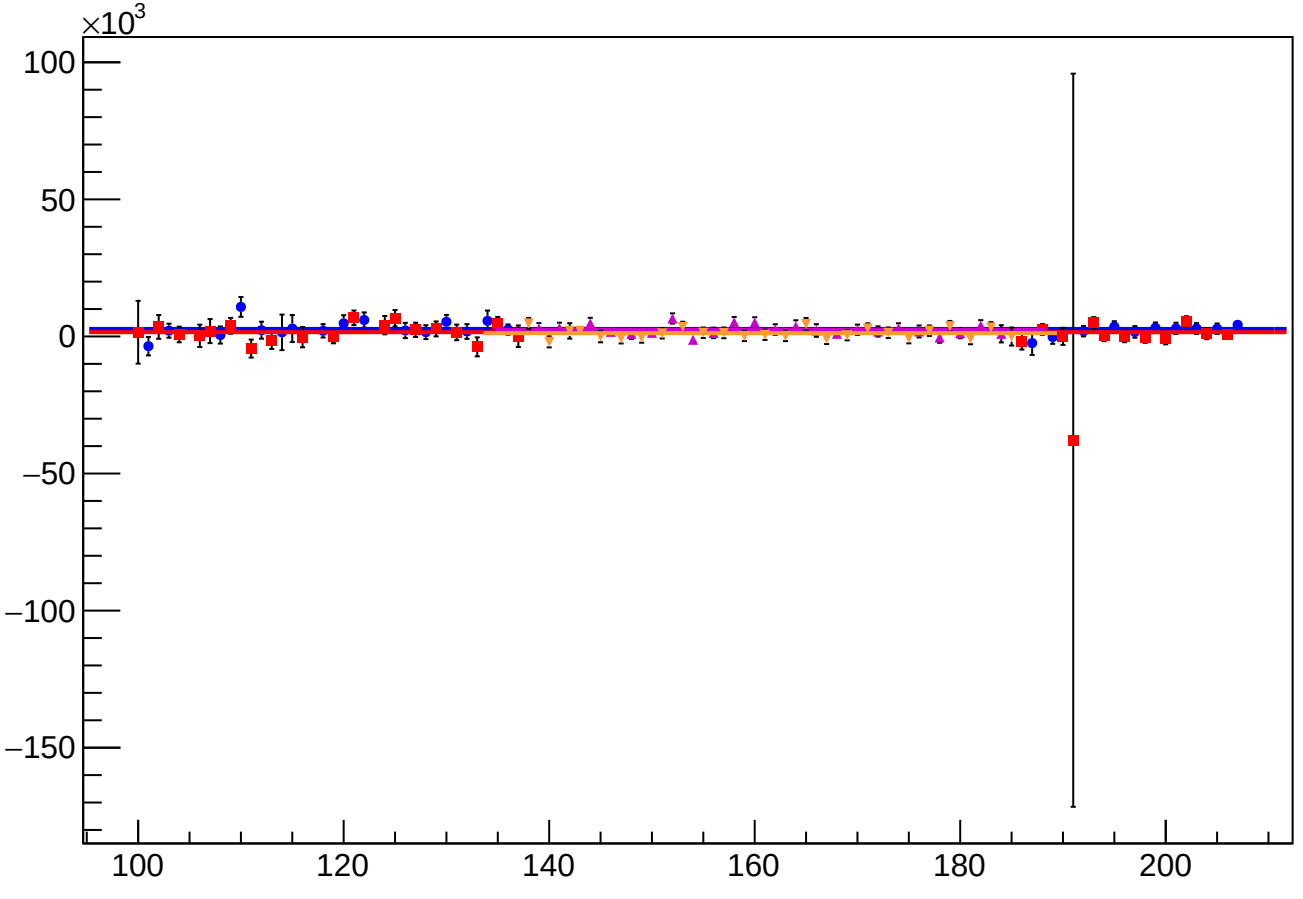
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2525.079+/-0.434 χ^2/NDF: 28125715.3/56

In: 3751.583+/-0.532 χ^2/NDF:16082202.3/48

Out: 3120.727+/-0.458 χ^2/NDF:24427703.9/55

All: 3388.758+/-0.347 χ^2/NDF: 41317414.3/1



Right In: 2744.612+/-486.084 χ^2/NDF: 17.2/25

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

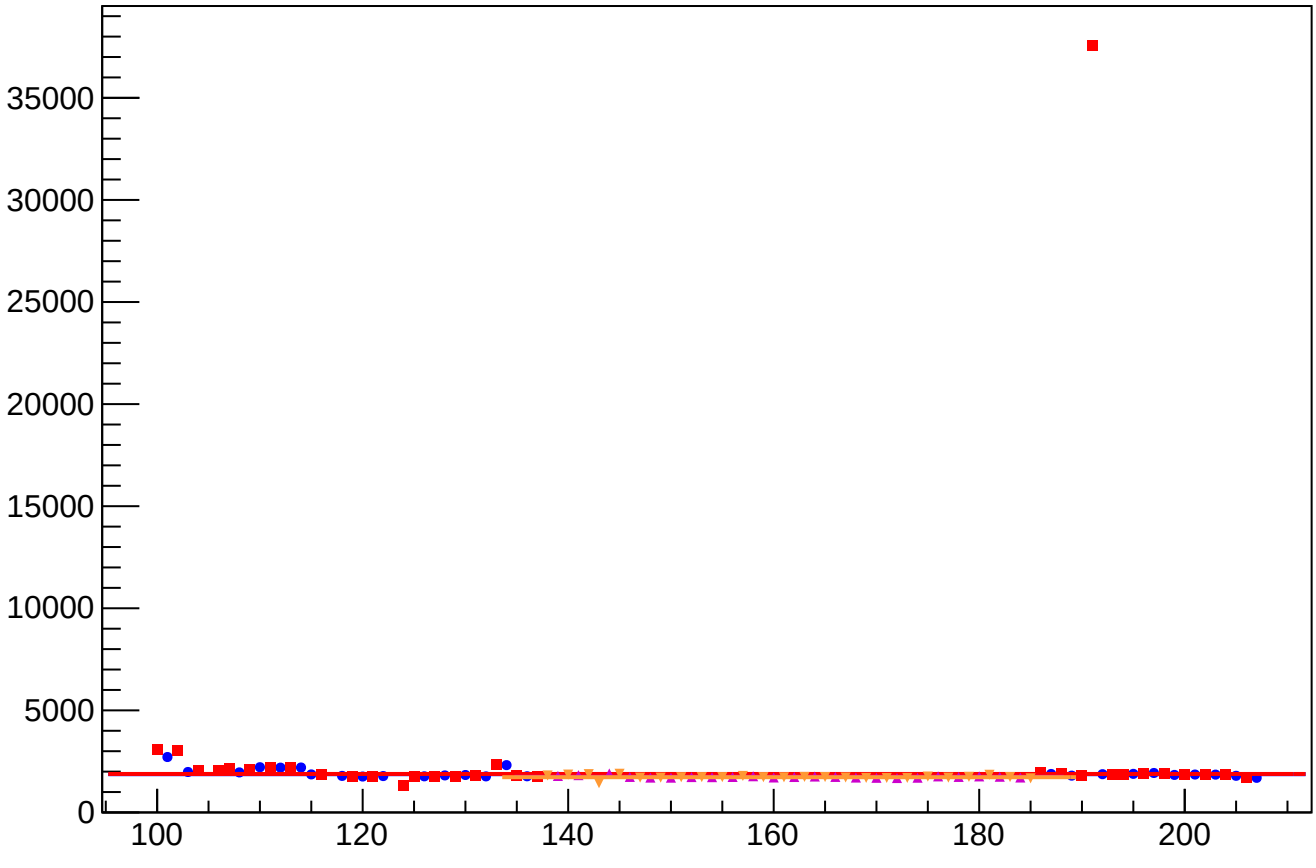
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2133.277+/-339.413 χ^2/NDF: 49.7/56

In: 2564.604+/-312.304 χ^2/NDF:38.1/48

Out: 1341.610+/-302.567 χ^2/NDF:49.2/55

All: 1933.744+/-217.308 χ^2/NDF: 95.2/104



Right In: 1873.515+/-0.344 χ^2/NDF: 250318.8/25

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

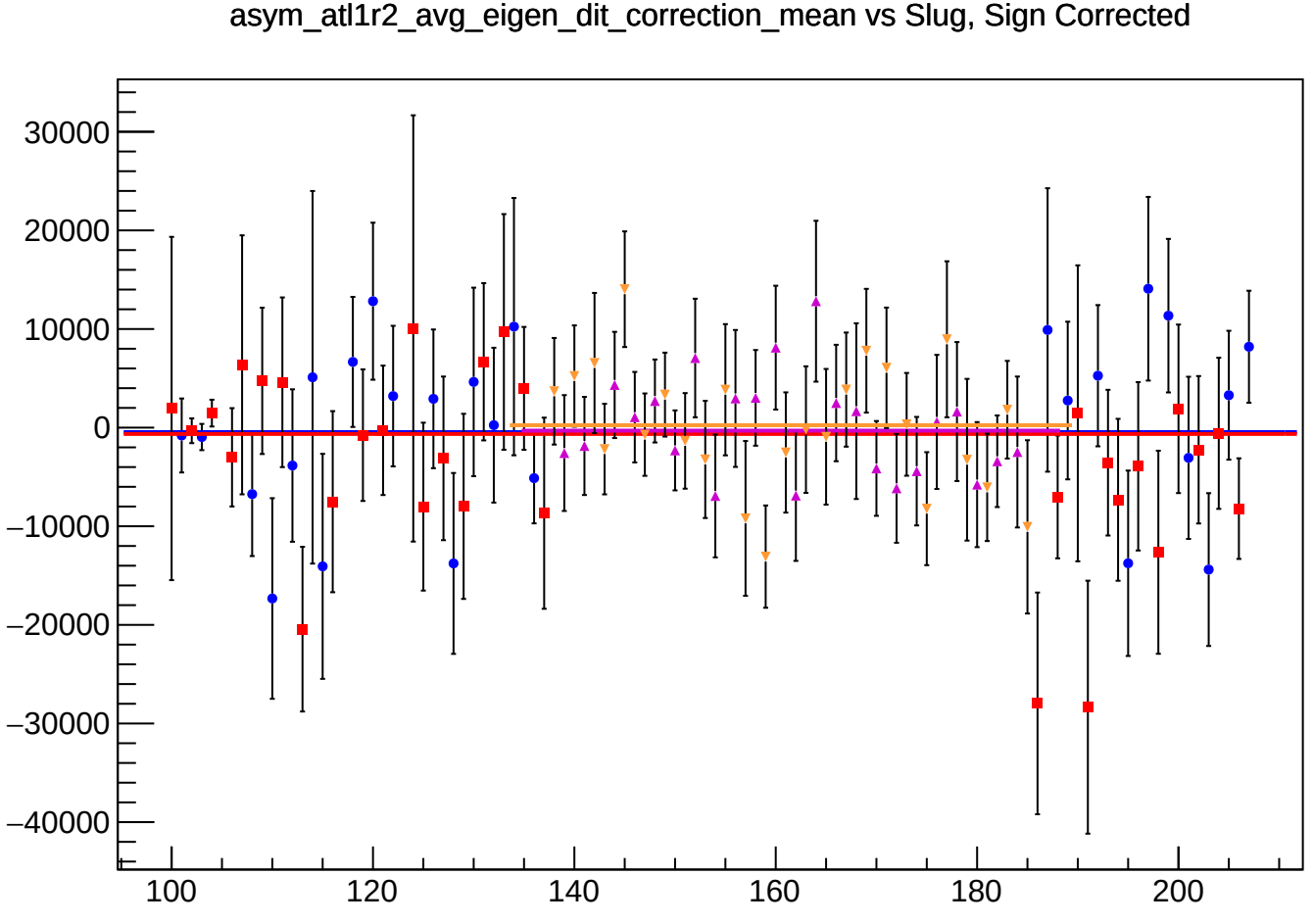
Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

Right: 1879.576+/-0.240 χ^2/NDF: 771671.4/56

In: 1797.835+/-0.221 χ^2/NDF:359678.6/48

Out: 1791.644+/-0.214 χ^2/NDF:762892.6/55

All: 1794.641+/-0.154 χ^2/NDF: 1122976.7/10



Right In: -456.495+/-983.078 χ^2/NDF: 28.2/25

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

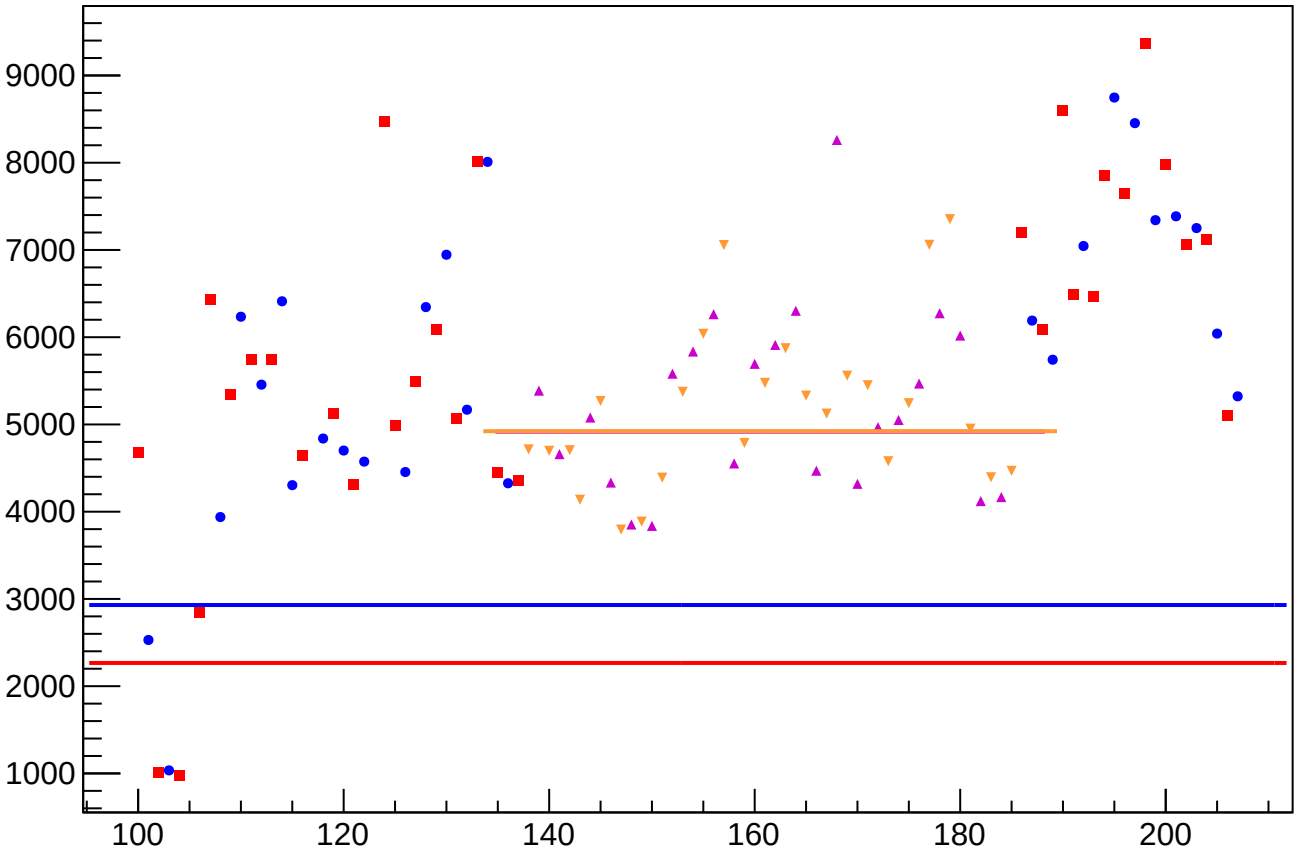
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -567.790+/-613.789 χ^2/NDF: 59.2/56

In: -394.324+/-752.931 χ^2/NDF:42.7/48

Out: -355.786+/-647.142 χ^2/NDF:58.1/55

All: -372.160+/-490.775 χ^2/NDF: 100.7/104



Right In: 2930.252+/-0.695 χ^2/NDF: 11543768.1/25

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

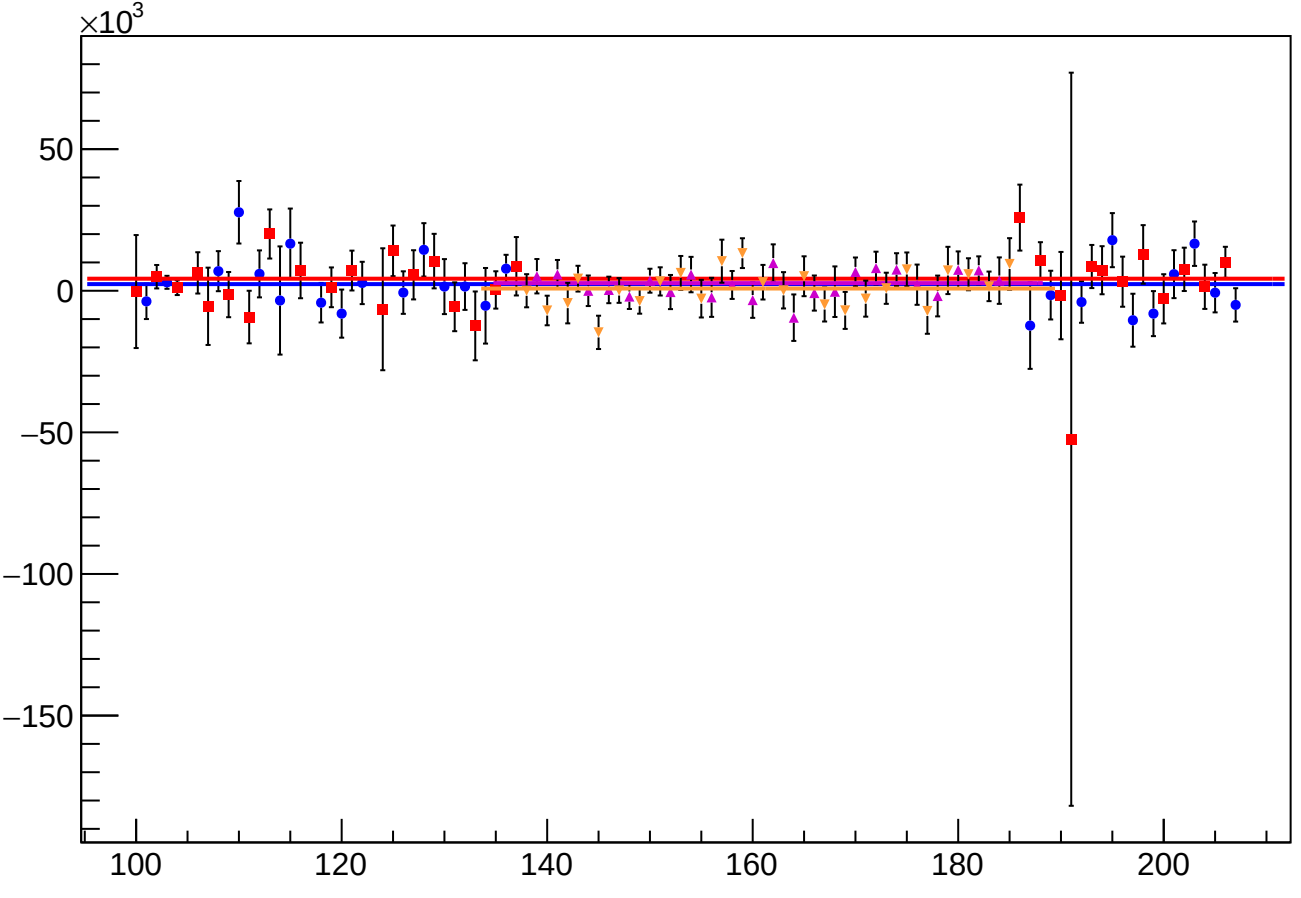
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2525.078+/-0.434 χ^2/NDF: 28125720.8/56

In: 3751.583+/-0.532 χ^2/NDF:16082238.9/48

Out: 3120.726+/-0.458 χ^2/NDF:24427742.1/55

All: 3388.757+/-0.347 χ^2/NDF: 41317490.5/1



Right In: 2345.052+/-1317.037 χ^2/NDF: 27.4/25

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

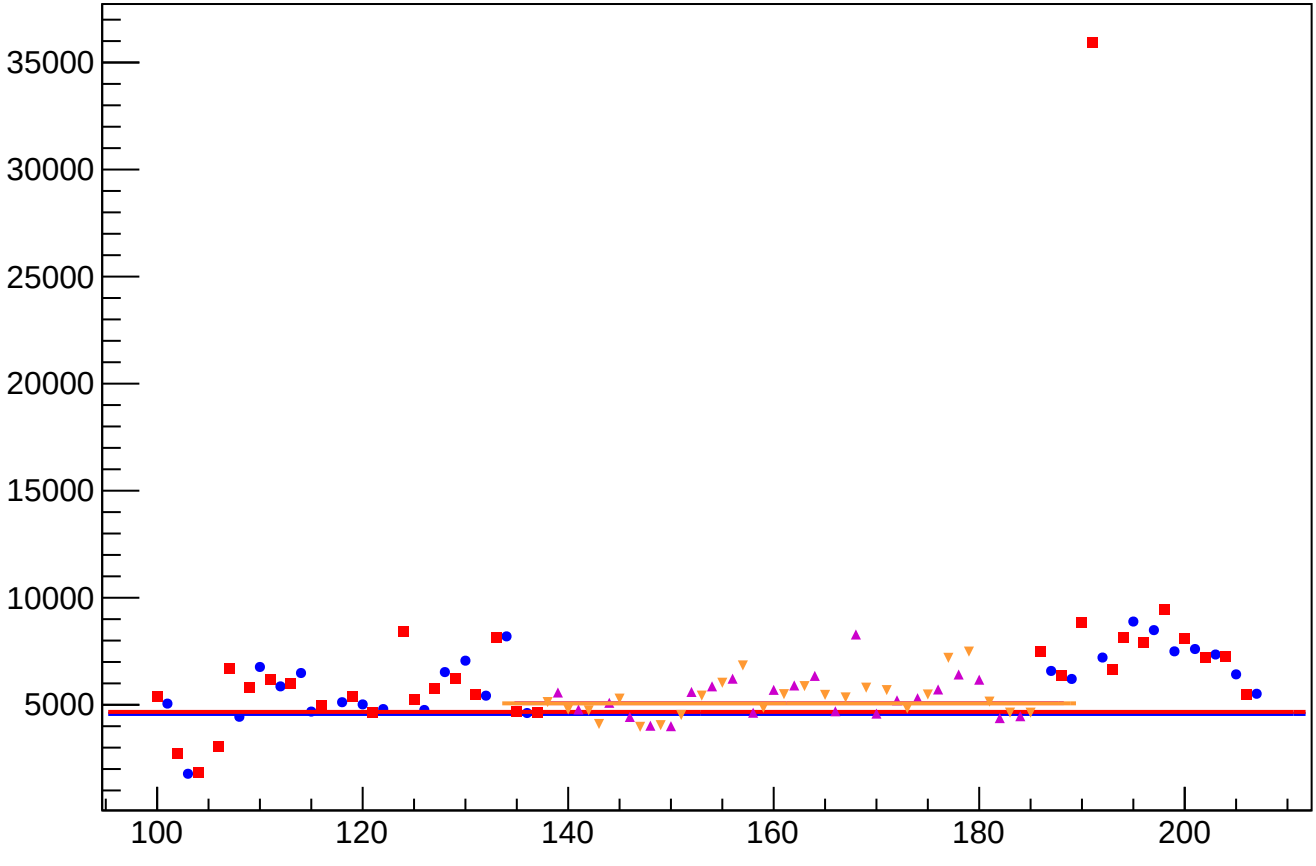
Right: 3307.105+/-928.475 χ^2/NDF: 50.7/56

In: 2541.084+/-889.552 χ^2/NDF:39.4/48

Out: 2331.573+/-873.183 χ^2/NDF:53.6/55

All: 2434.383+/-623.140 χ^2/NDF: 93.0/104

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4572.474+/-0.931 χ^2/NDF: 5635521.6/25

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4668.277+/-0.919 χ^2/NDF: 5959287.4/30

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

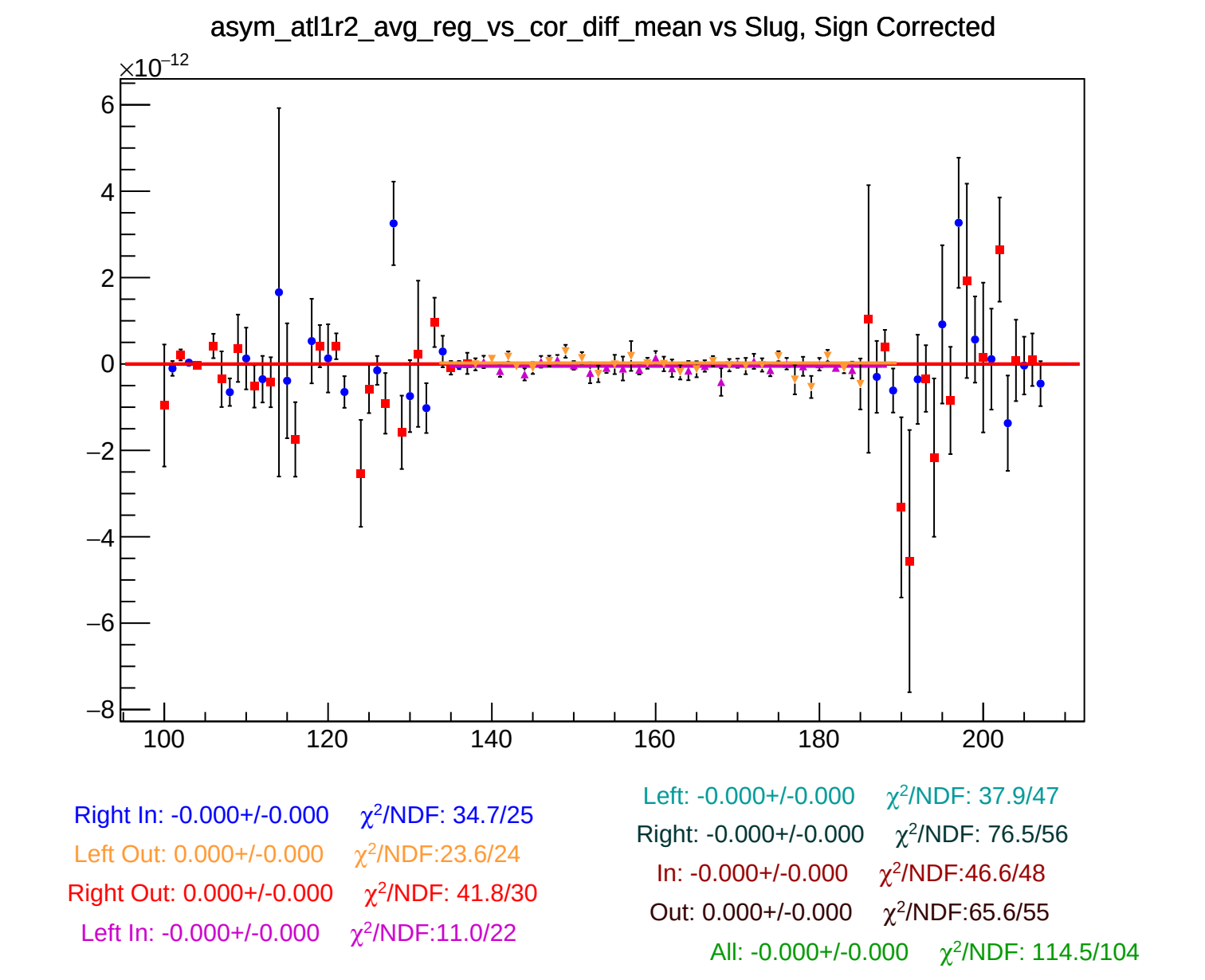
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

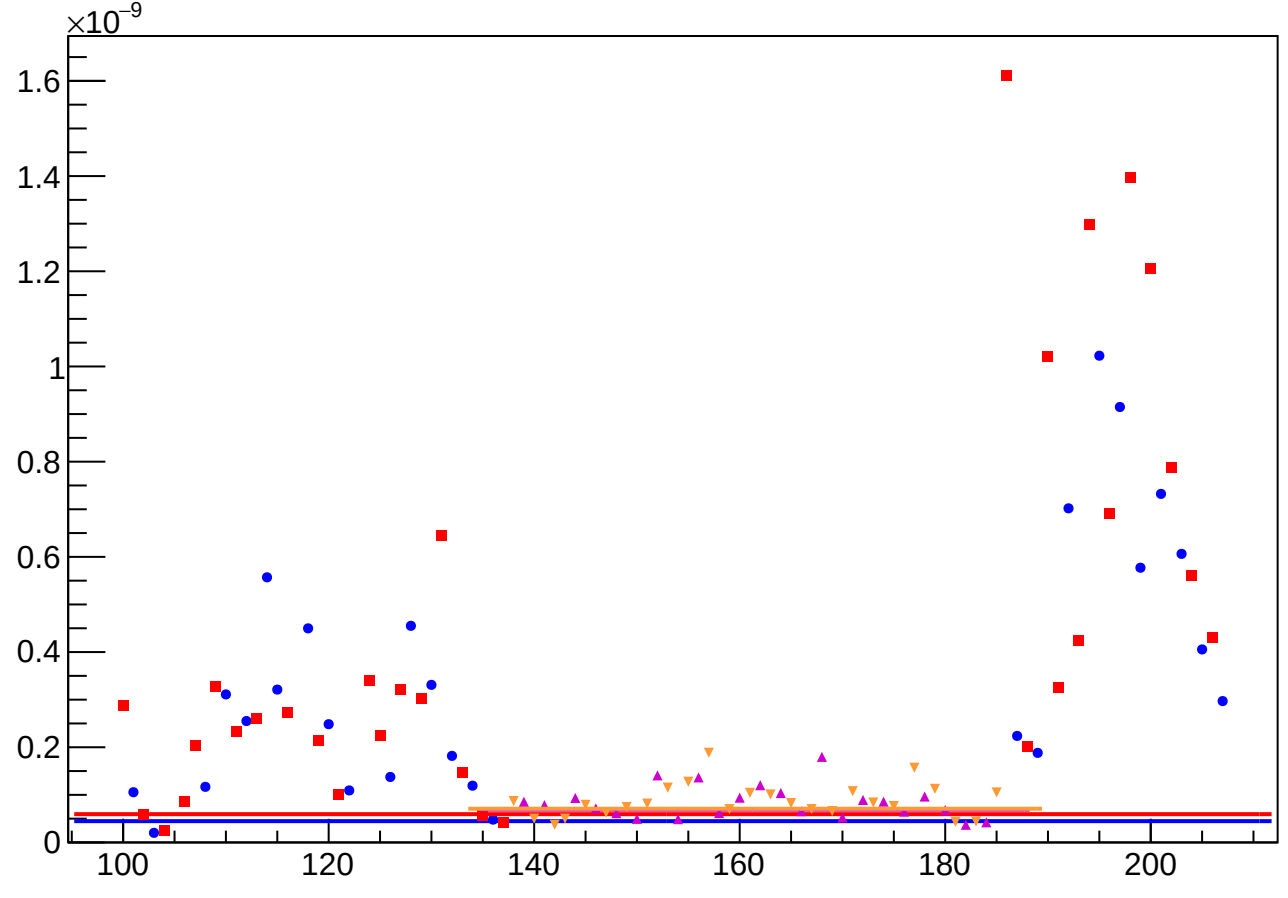
Right: 4621.007+/-0.654 χ^2/NDF: 11600170.1/56

In: 4848.316+/-0.629 χ^2/NDF:6798090.7/48

Out: 4888.698+/-0.615 χ^2/NDF:7017817.8/55

All: 4868.946+/-0.440 χ^2/NDF: 13818014.2/


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: 34.7/25
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: 76.5/56
In: -0.000+/-0.000 χ²/NDF:46.6/48
Out: 0.000+/-0.000 χ²/NDF:65.6/55
All: -0.000+/-0.000 χ²/NDF: 114.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 8343990.9/25

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

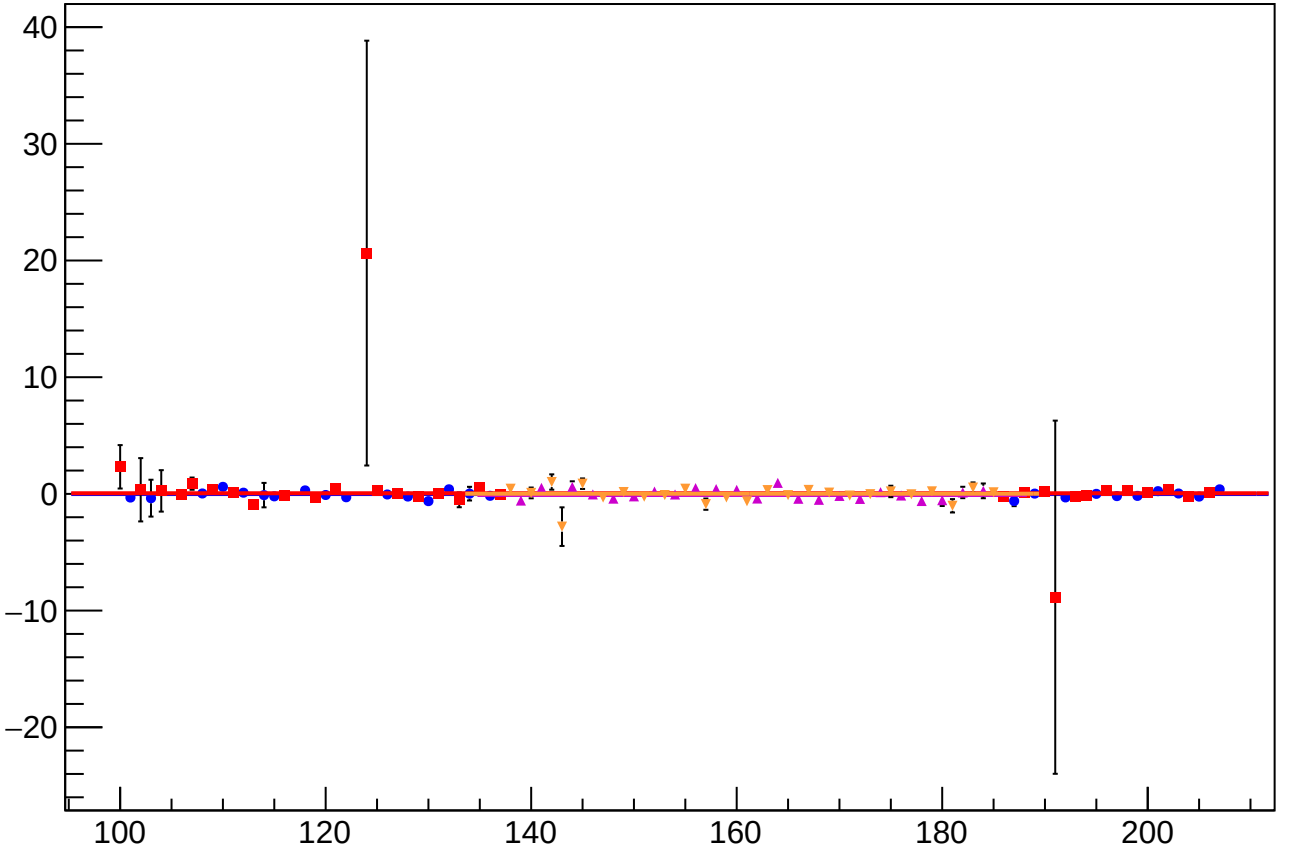
Right: 0.000+/-0.000 χ^2/NDF: 18193017.9/56

In: 0.000+/-0.000 χ^2/NDF:10315443.6/48

Out: 0.000+/-0.000 χ^2/NDF:11298593.4/55

All: 0.000+/-0.000 χ^2/NDF: 21736637.2/104

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.056 χ^2/NDF: 23.4/25

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

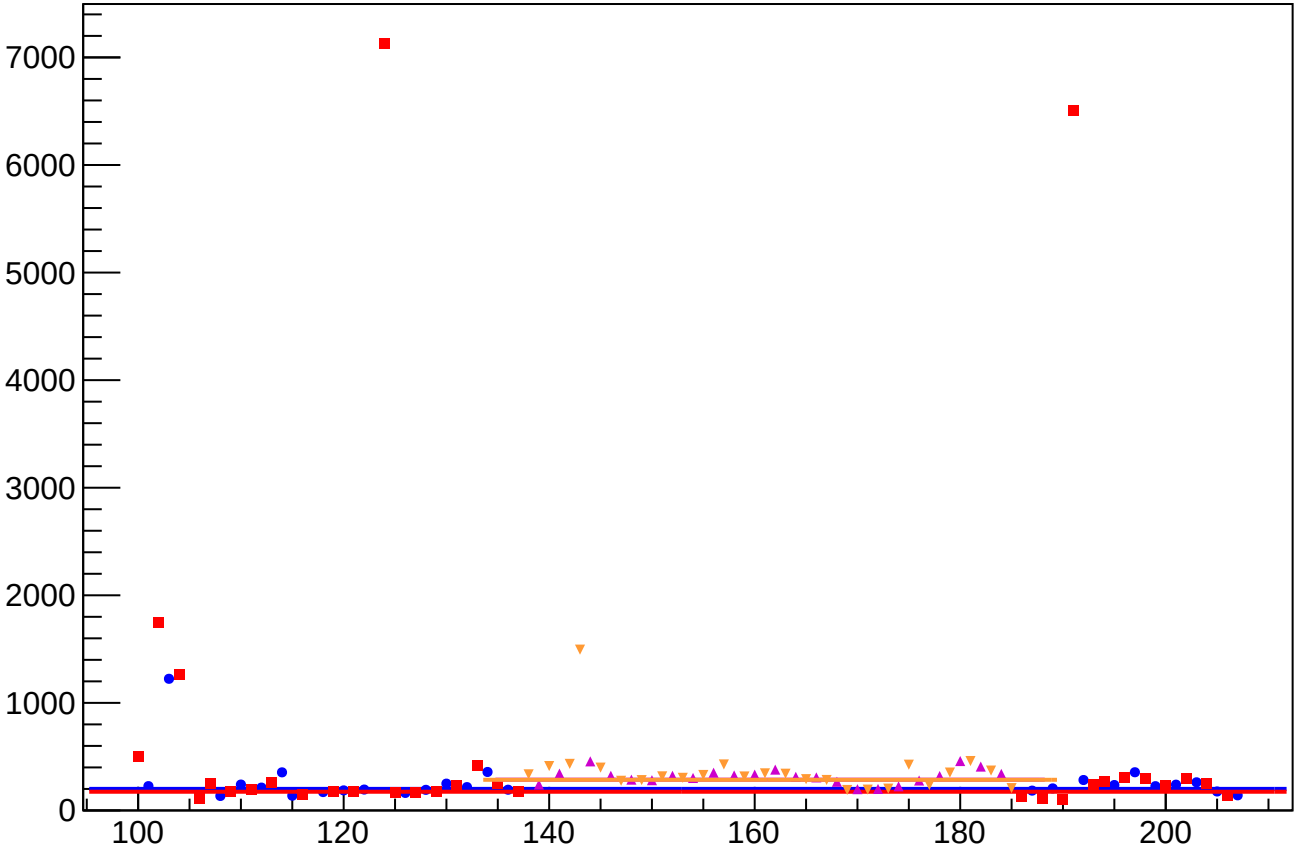
Right: 0.025+/-0.037 χ^2/NDF: 53.9/56

In: -0.043+/-0.044 χ^2/NDF:55.0/48

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: 0.003+/-0.030 χ^2/NDF: 115.3/104

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 200.544+/-0.040 χ^2/NDF: 2349710.7/25

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

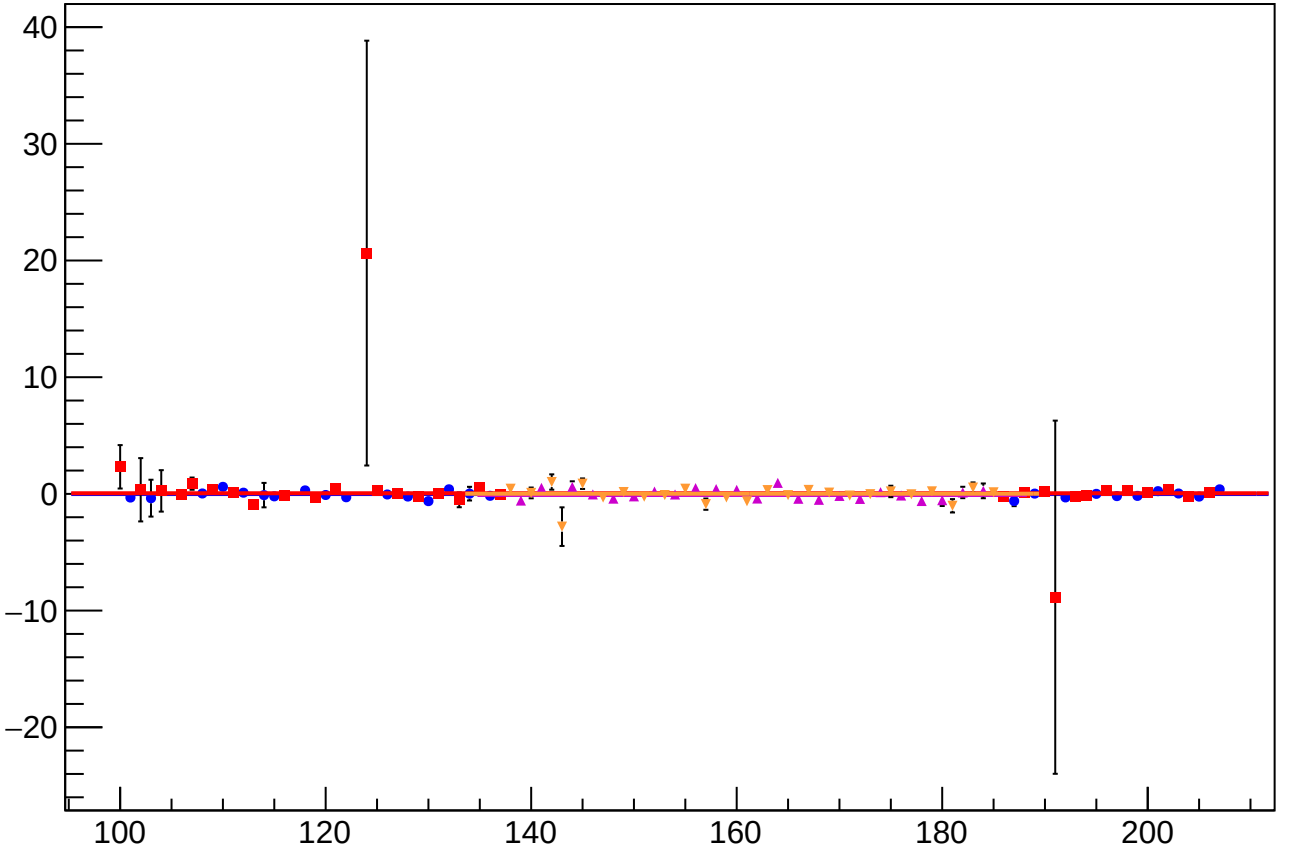
Right: 185.573+/-0.026 χ^2/NDF: 7967611.8/56

In: 233.739+/-0.031 χ^2/NDF:5888462.1/48

Out: 211.158+/-0.029 χ^2/NDF:12140238.8/55

All: 221.512+/-0.021 χ^2/NDF: 18314931.6/10

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.056 χ^2/NDF: 23.4/25

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

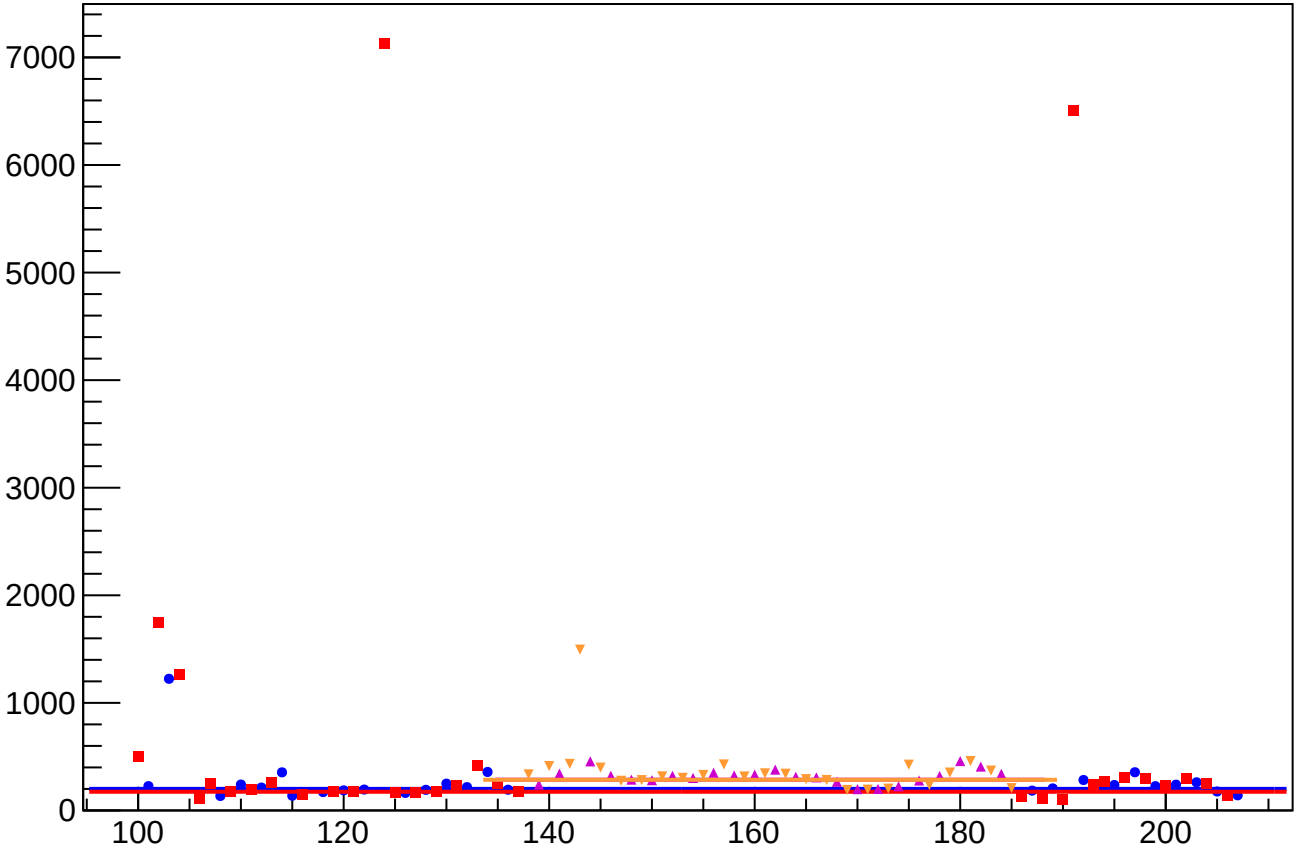
Right: 0.025+/-0.037 χ^2/NDF: 53.9/56

In: -0.043+/-0.044 χ^2/NDF:55.0/48

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: 0.003+/-0.030 χ^2/NDF: 115.3/104

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 200.544+/-0.040 χ^2/NDF: 2349710.7/25

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

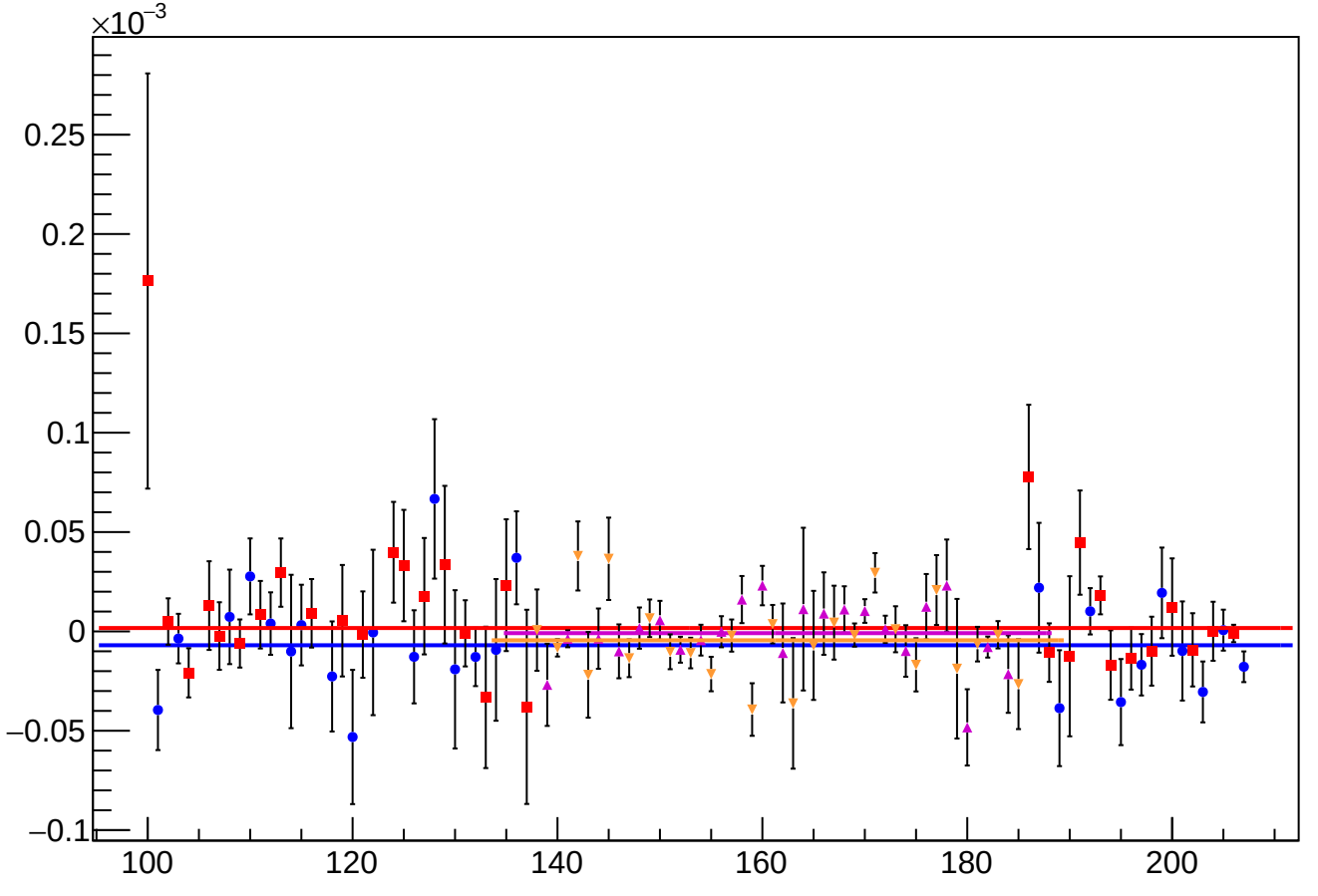
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 185.573+/-0.026 χ^2/NDF: 7967611.8/56

In: 233.739+/-0.031 χ^2/NDF:5888462.1/48

Out: 211.158+/-0.029 χ^2/NDF:12140238.8/55

All: 221.512+/-0.021 χ^2/NDF: 18314931.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/25

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

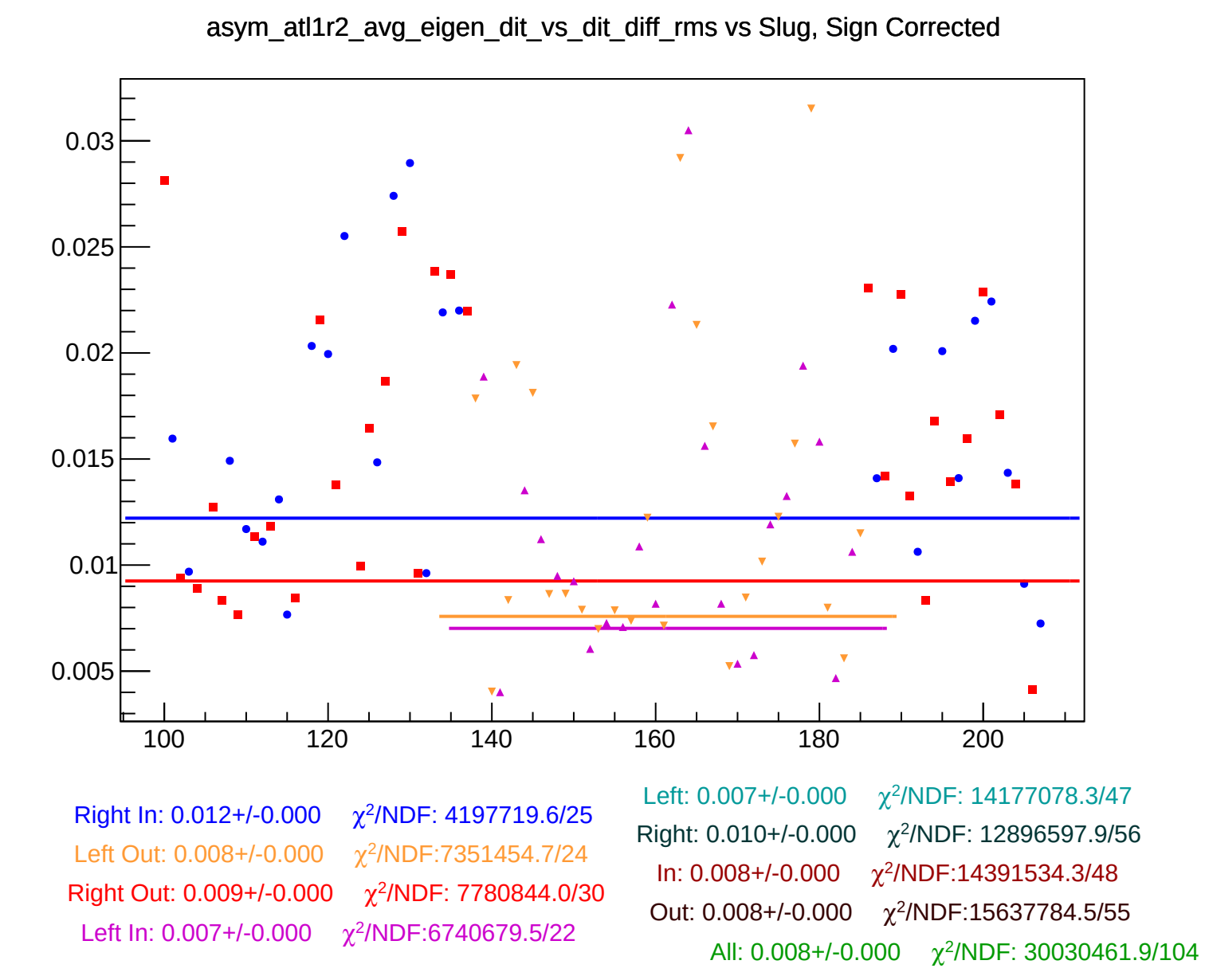
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: -0.000+/-0.000 χ^2/NDF: 63.8/56

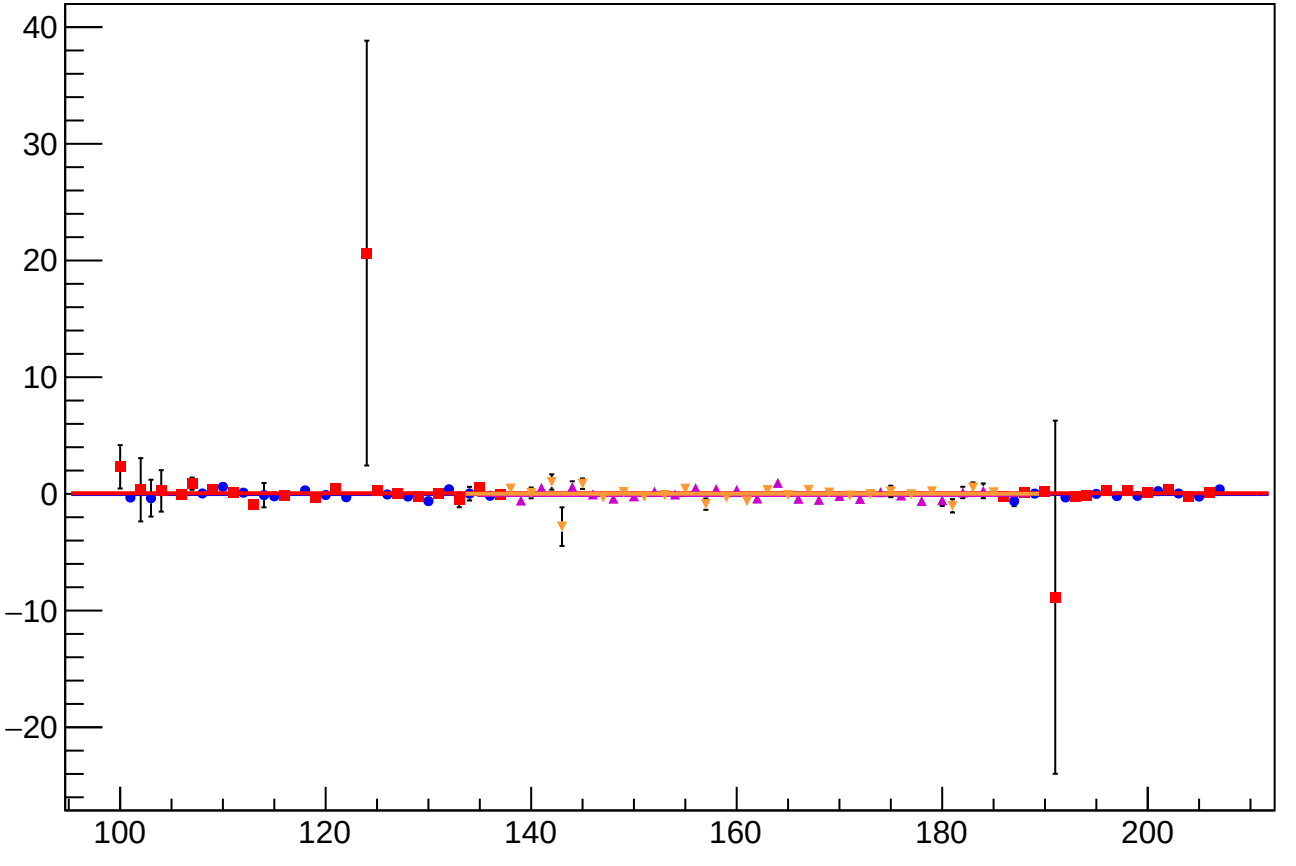
In: -0.000+/-0.000 χ^2/NDF:60.3/48

Out: -0.000+/-0.000 χ^2/NDF:78.2/55

All: -0.000+/-0.000 χ^2/NDF: 138.5/104


asym_atl1r2_avg_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: 0.012+/-0.000 χ²/NDF: 4197719.6/25
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.009+/-0.000 χ²/NDF: 7780844.0/30
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
Left: 0.007+/-0.000 χ²/NDF: 14177078.3/47
Right: 0.010+/-0.000 χ²/NDF: 12896597.9/56
In: 0.008+/-0.000 χ²/NDF:14391534.3/48
Out: 0.008+/-0.000 χ²/NDF:15637784.5/55
All: 0.008+/-0.000 χ²/NDF: 30030461.9/104

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.056 χ^2/NDF: 23.4/25

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

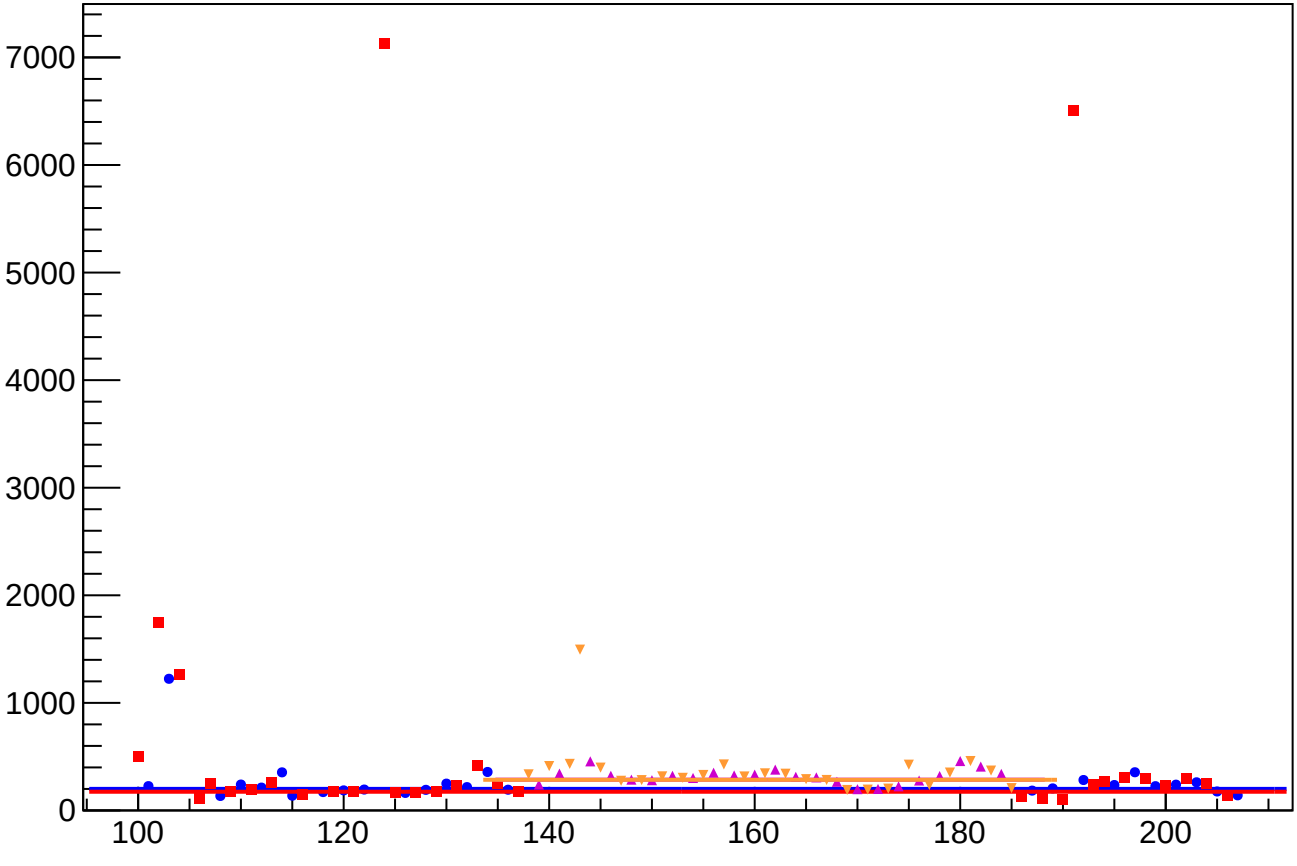
Right: 0.025+/-0.037 χ^2/NDF: 53.9/56

In: -0.043+/-0.044 χ^2/NDF:55.0/48

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: 0.003+/-0.030 χ^2/NDF: 115.3/104

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 200.542+/-0.040 χ^2/NDF: 2349729.7/25

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

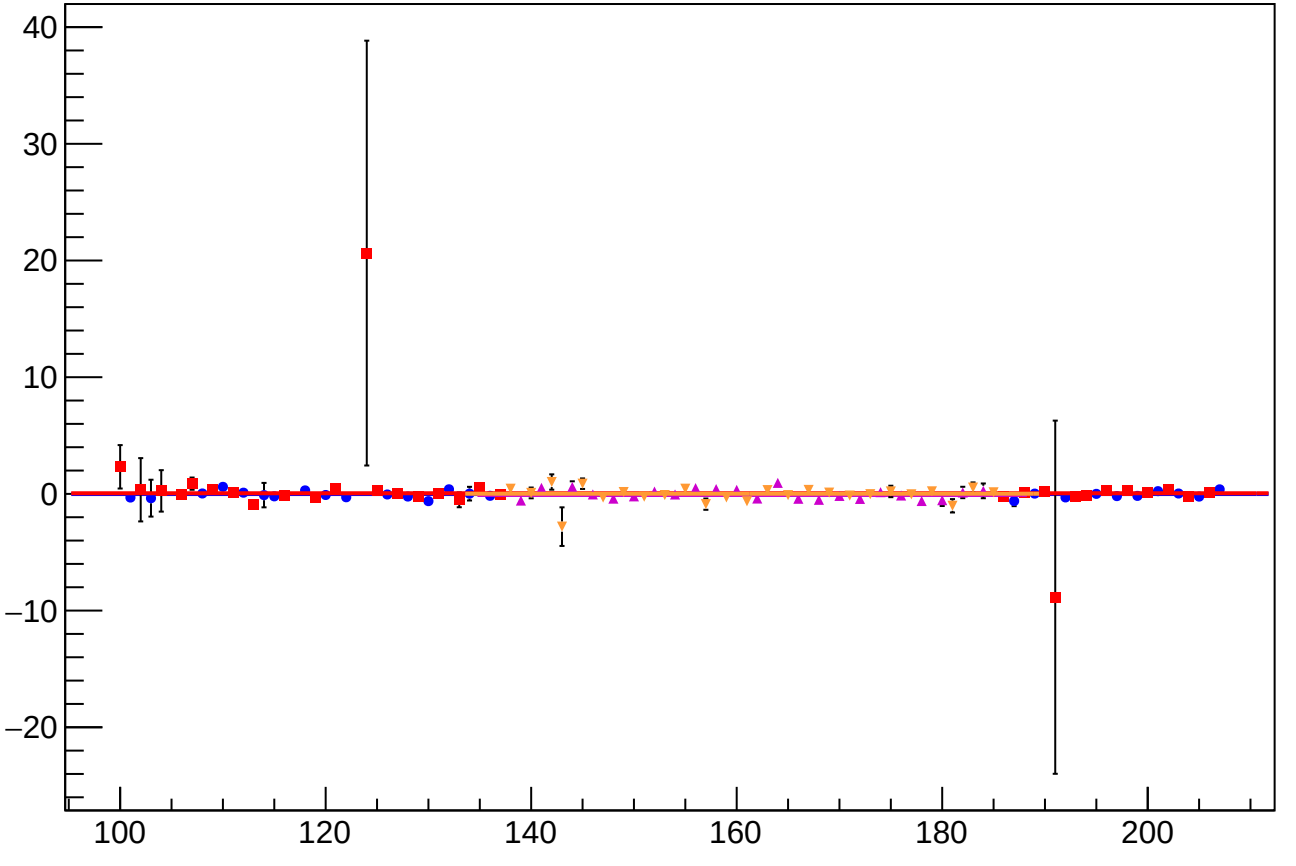
Right: 185.571+/-0.026 χ^2/NDF: 7967813.6/56

In: 233.739+/-0.031 χ^2/NDF:5888665.5/48

Out: 211.157+/-0.029 χ^2/NDF:12140714.4/55

All: 221.511+/-0.021 χ^2/NDF: 18315641.6/10

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.056 χ^2/NDF: 23.4/25

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

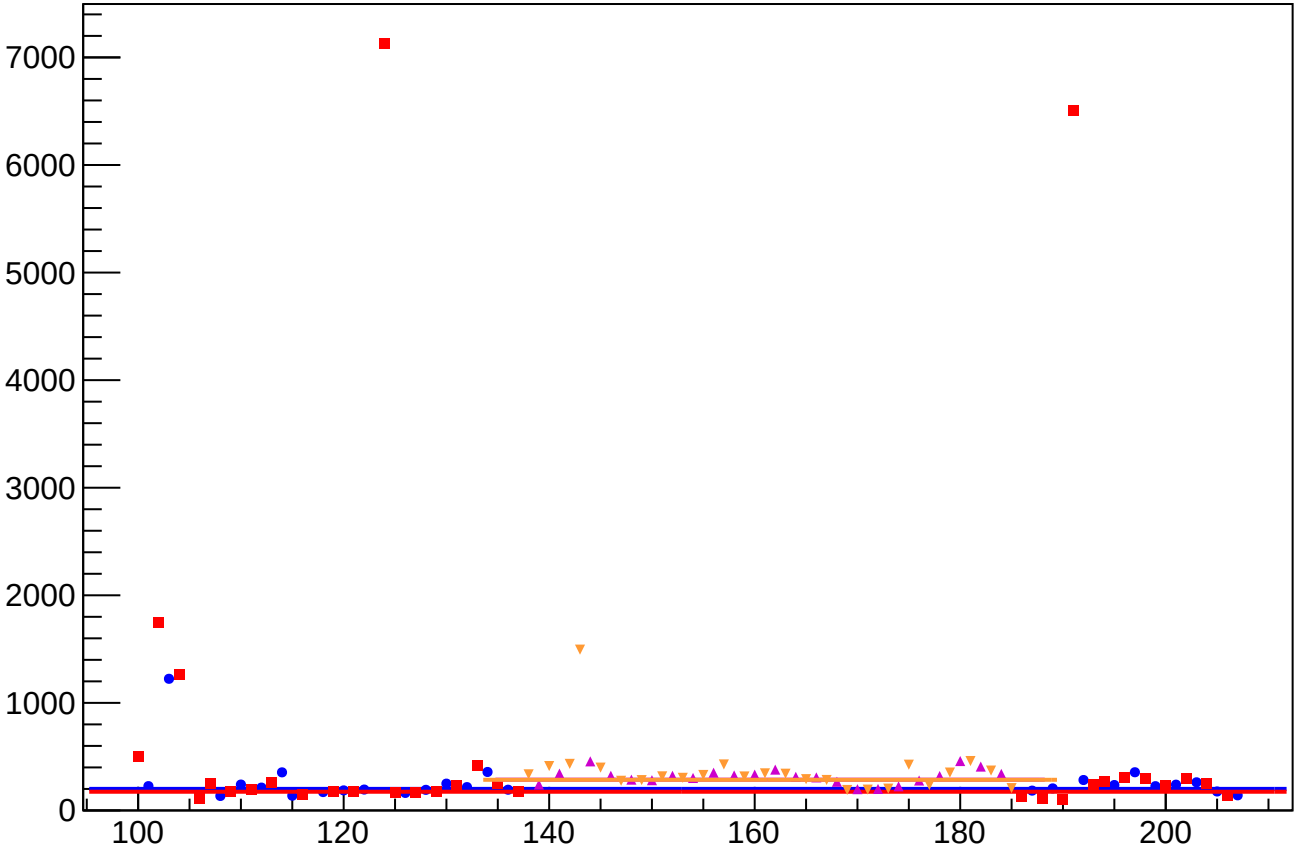
Right: 0.025+/-0.037 χ^2/NDF: 53.9/56

In: -0.043+/-0.044 χ^2/NDF:55.0/48

Out: 0.042+/-0.040 χ^2/NDF:58.2/55

All: 0.003+/-0.030 χ^2/NDF: 115.3/104

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 200.542+/-0.040 χ^2/NDF: 2349729.7/25

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

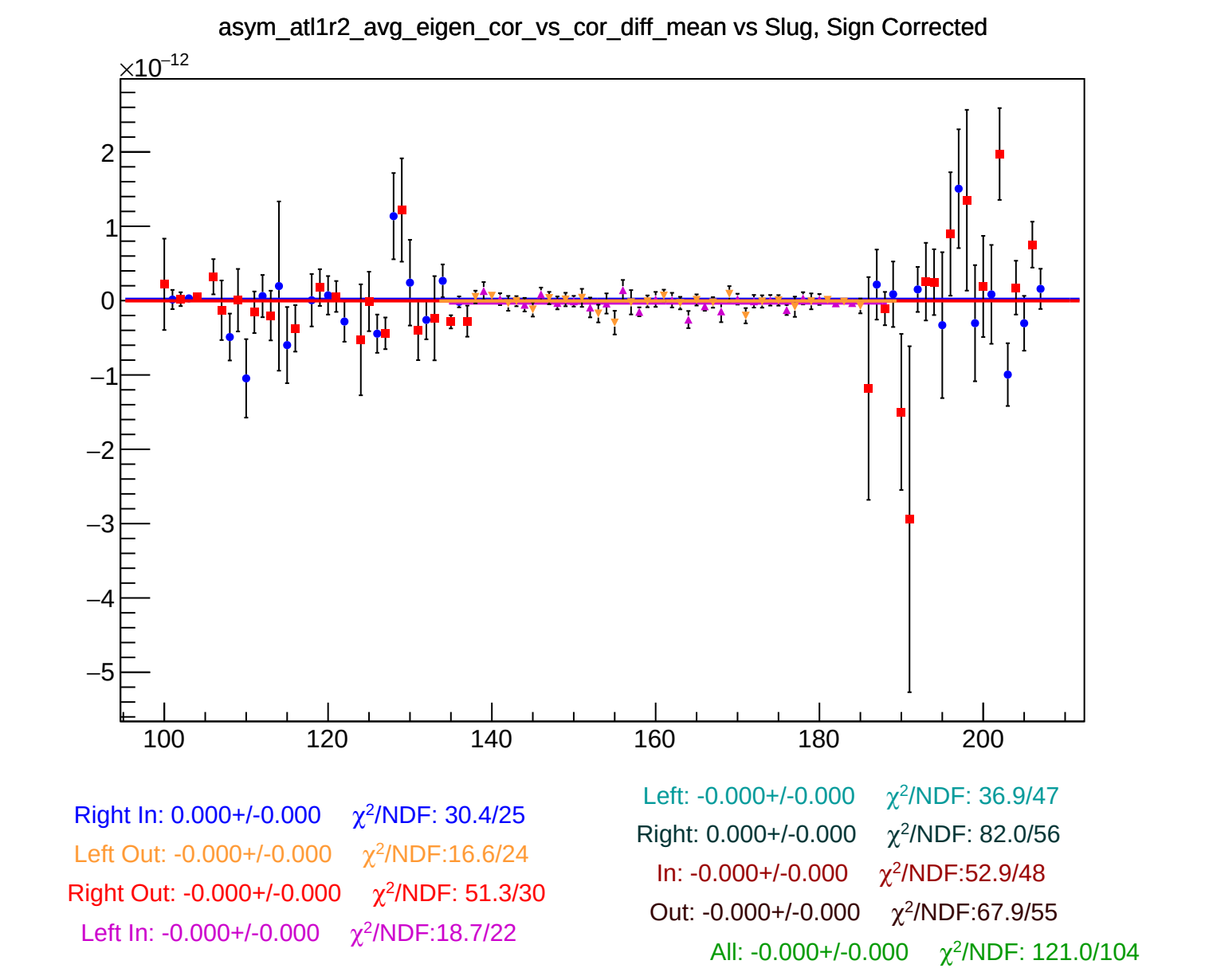
Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

Right: 185.571+/-0.026 χ^2/NDF: 7967813.6/56

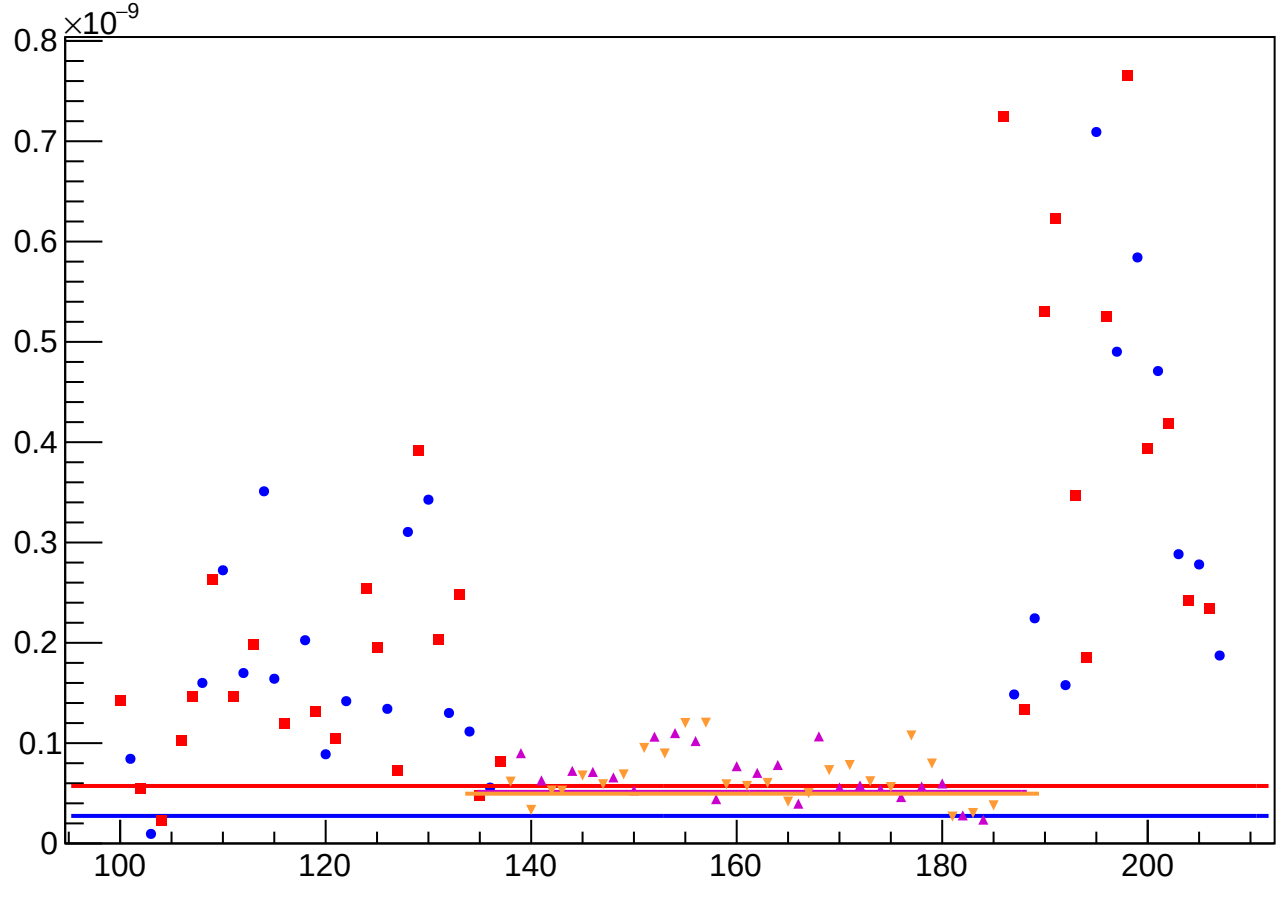
In: 233.739+/-0.031 χ^2/NDF:5888665.5/48

Out: 211.157+/-0.029 χ^2/NDF:12140714.4/55

All: 221.511+/-0.021 χ^2/NDF: 18315641.6/10


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: 30.4/25
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: 82.0/56
In: -0.000+/-0.000 χ²/NDF:52.9/48
Out: -0.000+/-0.000 χ²/NDF:67.9/55
All: -0.000+/-0.000 χ²/NDF: 121.0/104

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 13355078.7/25

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

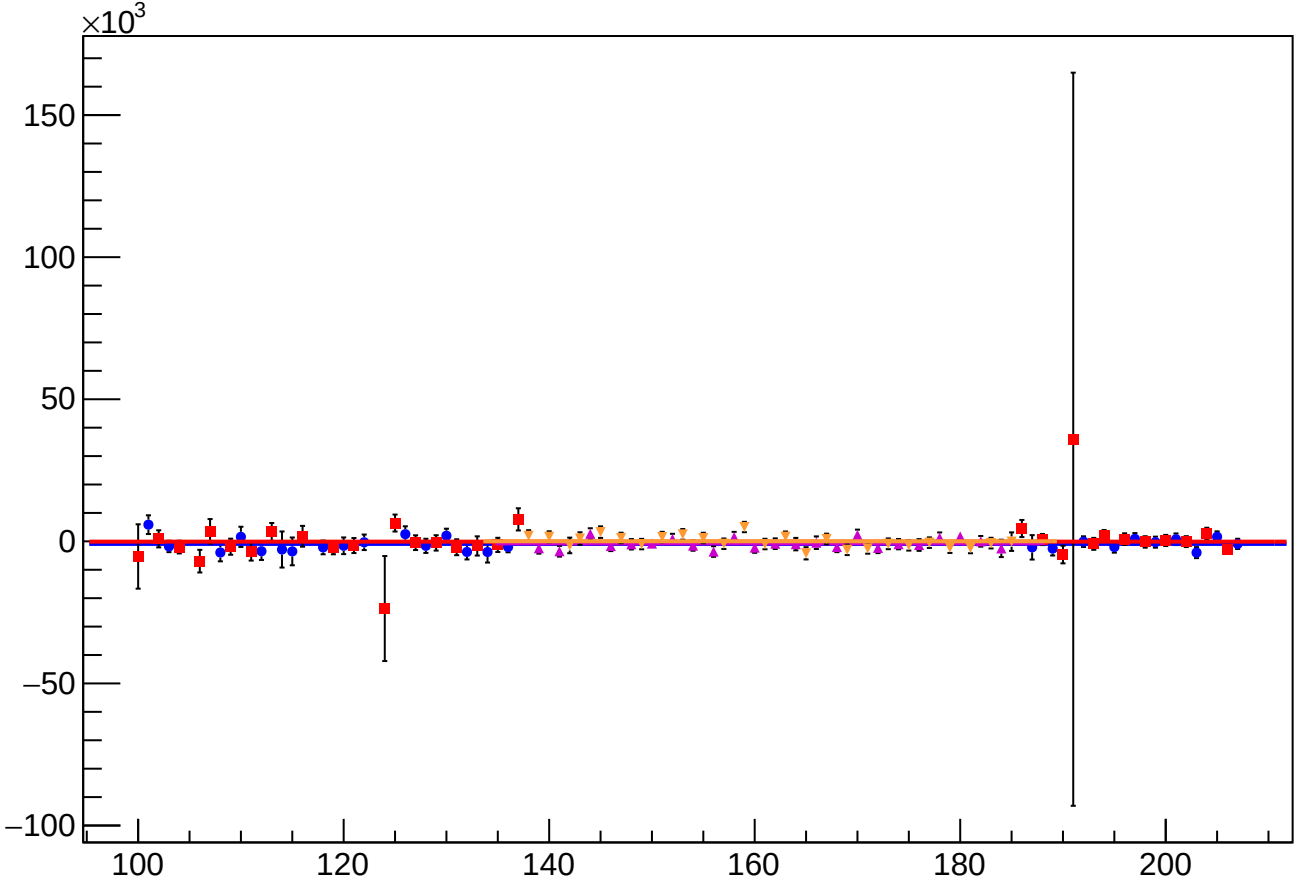
Right: 0.000+/-0.000 χ^2/NDF: 24721308.7/56

In: 0.000+/-0.000 χ^2/NDF:18745529.1/48

Out: 0.000+/-0.000 χ^2/NDF:14022881.3/55

All: 0.000+/-0.000 χ^2/NDF: 33215210.0/104

reg_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -906.209+/-474.682 χ^2/NDF: 19.1/25

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

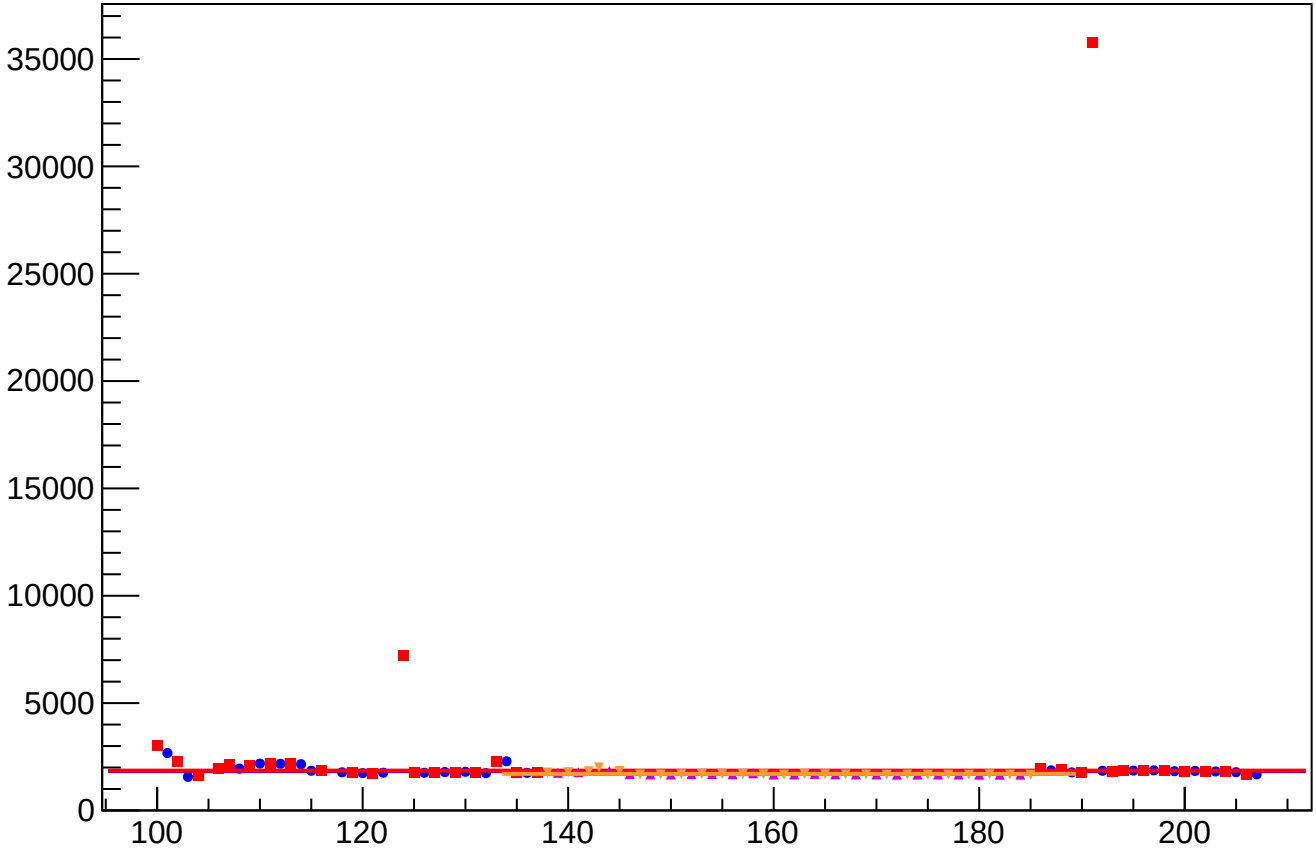
Right: -497.193+/-332.409 χ^2/NDF: 52.1/56

In: -796.224+/-304.283 χ^2/NDF:38.3/48

Out: -28.772+/-297.960 χ^2/NDF:61.0/55

All: -404.441+/-212.890 χ^2/NDF: 102.6/104

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1829.434+/-0.336 χ^2/NDF: 278888.2/25

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

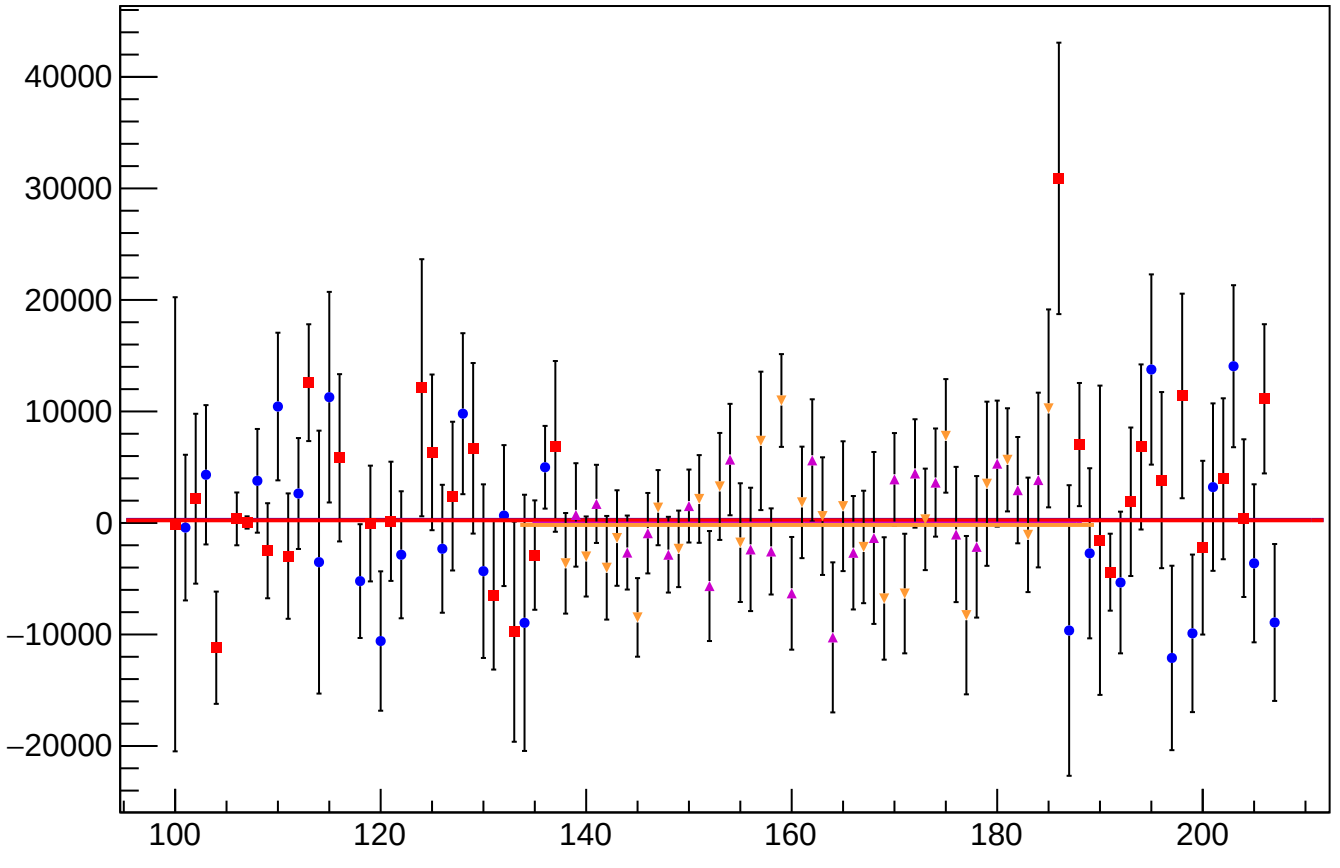
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1842.617+/-0.235 χ^2/NDF: 817364.3/56

In: 1751.722+/-0.215 χ^2/NDF:391031.3/48

Out: 1766.980+/-0.211 χ^2/NDF:717504.7/55

All: 1759.514+/-0.151 χ^2/NDF: 1111104.2/10



Right In: 275.644+/-1273.858 χ^2/NDF: 28.2/25

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

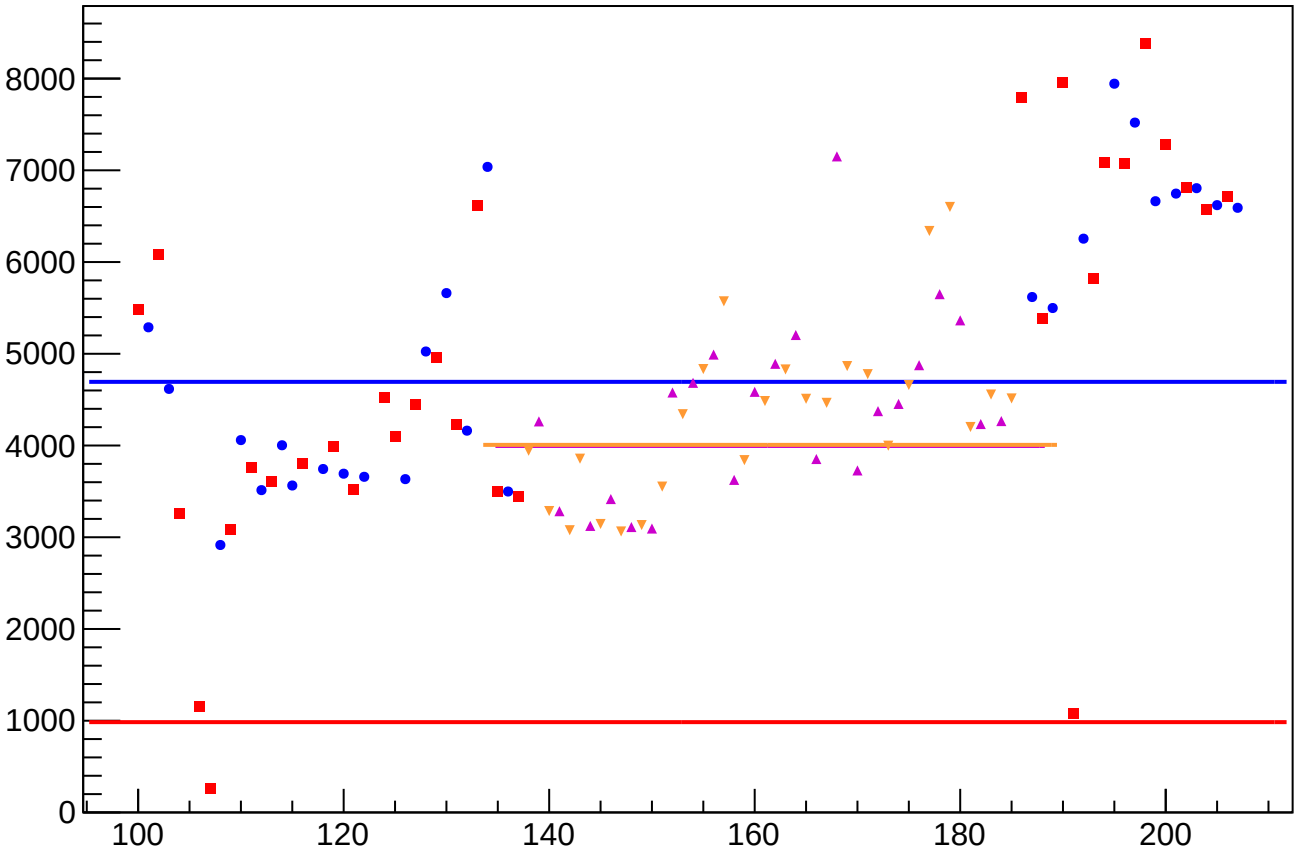
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 244.824+/-456.334 χ^2/NDF: 61.5/56

In: 63.264+/-764.824 χ^2/NDF:42.5/48

Out: 151.012+/-433.172 χ^2/NDF:61.4/55

All: 129.701+/-376.918 χ^2/NDF: 103.9/104



Right In: 4693.994+/-0.901 χ^2/NDF: 2515034.1/25

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

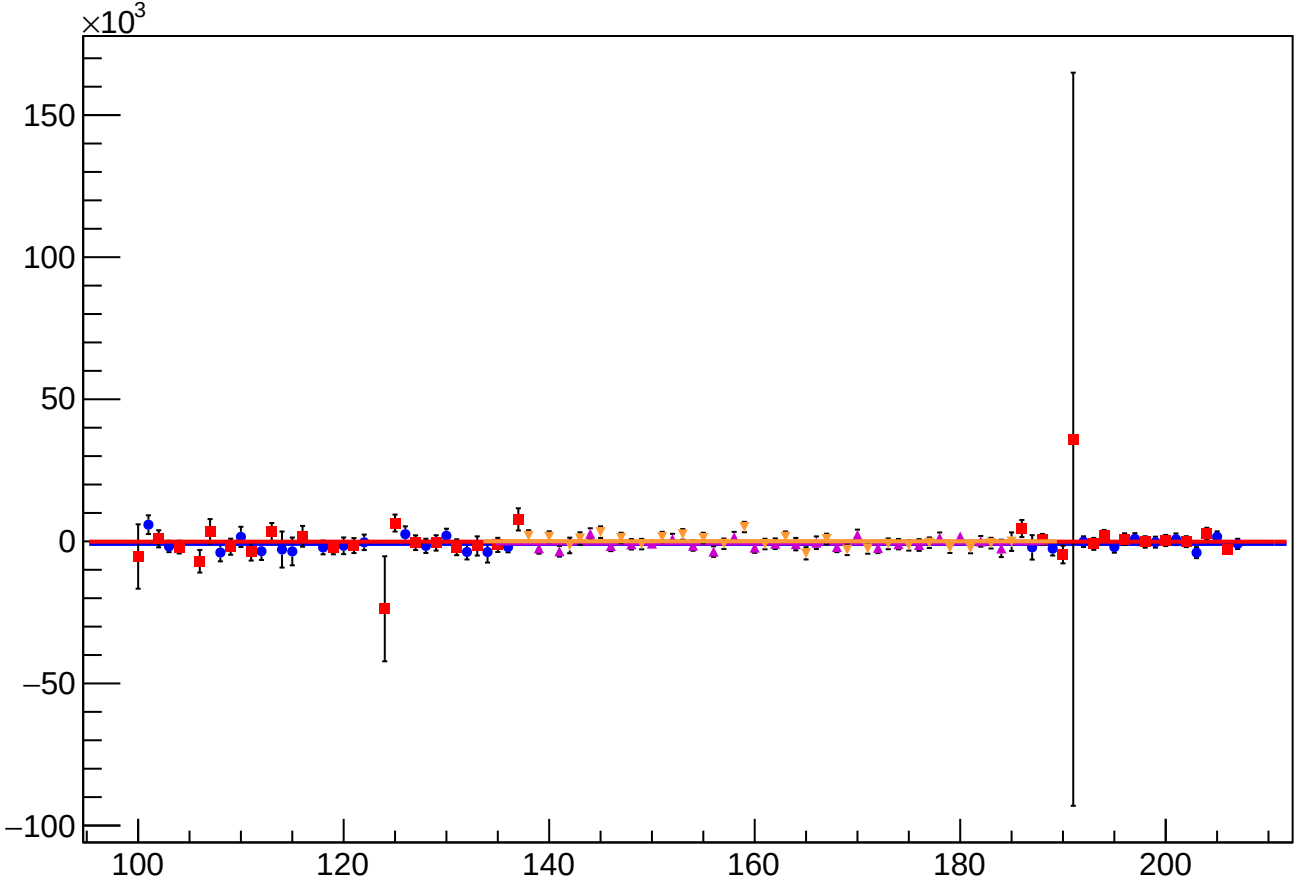
Right: 1460.583+/-0.323 χ^2/NDF: 41165362.9/56

In: 4246.957+/-0.541 χ^2/NDF:4438291.6/48

Out: 1633.078+/-0.306 χ^2/NDF:41780859.8/55

All: 2267.906+/-0.267 χ^2/NDF: 63905956.6/

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -906.012+/-474.682 χ^2/NDF: 19.1/25

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

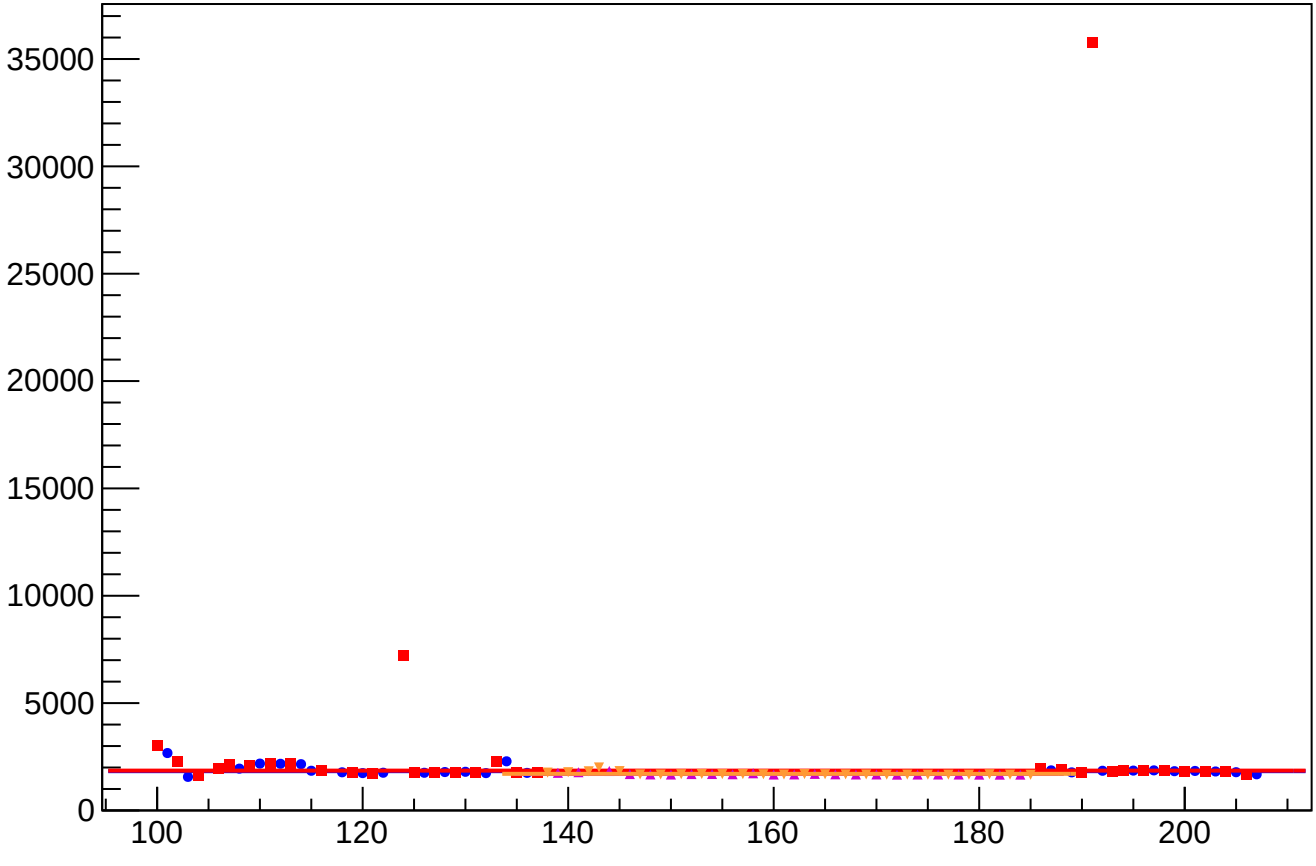
Right: -497.176+/-332.409 χ^2/NDF: 52.1/56

In: -796.070+/-304.283 χ^2/NDF:38.3/48

Out: -28.793+/-297.960 χ^2/NDF:61.0/55

All: -404.377+/-212.890 χ^2/NDF: 102.6/104

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1829.434+/-0.336 χ^2/NDF: 278887.4/25

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

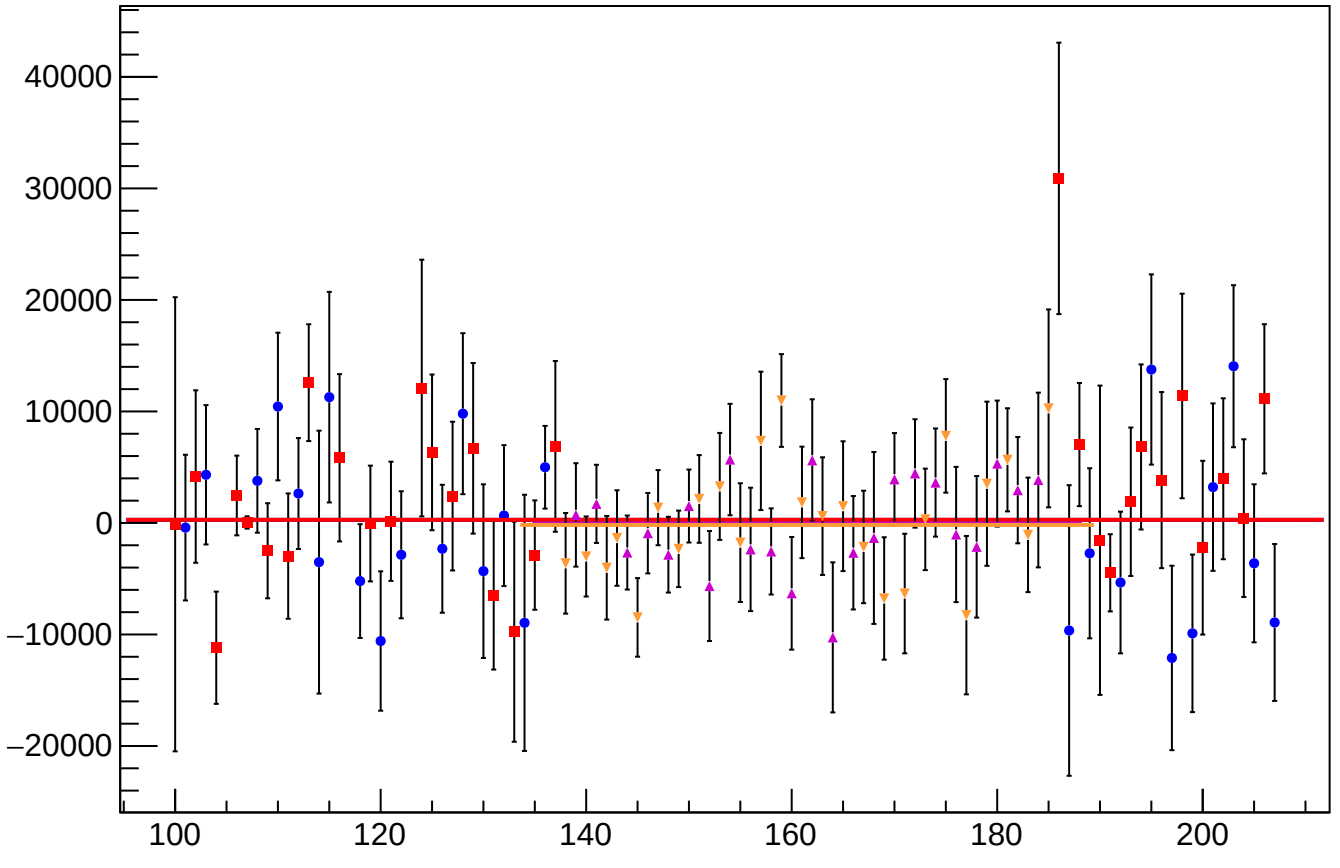
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1842.714+/-0.235 χ^2/NDF: 817753.1/56

In: 1751.722+/-0.215 χ^2/NDF:391030.7/48

Out: 1767.052+/-0.211 χ^2/NDF:718150.3/55

All: 1759.551+/-0.151 χ^2/NDF: 1111773.4/10



Right In: 275.587+/-1273.861 χ^2/NDF: 28.2/25

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

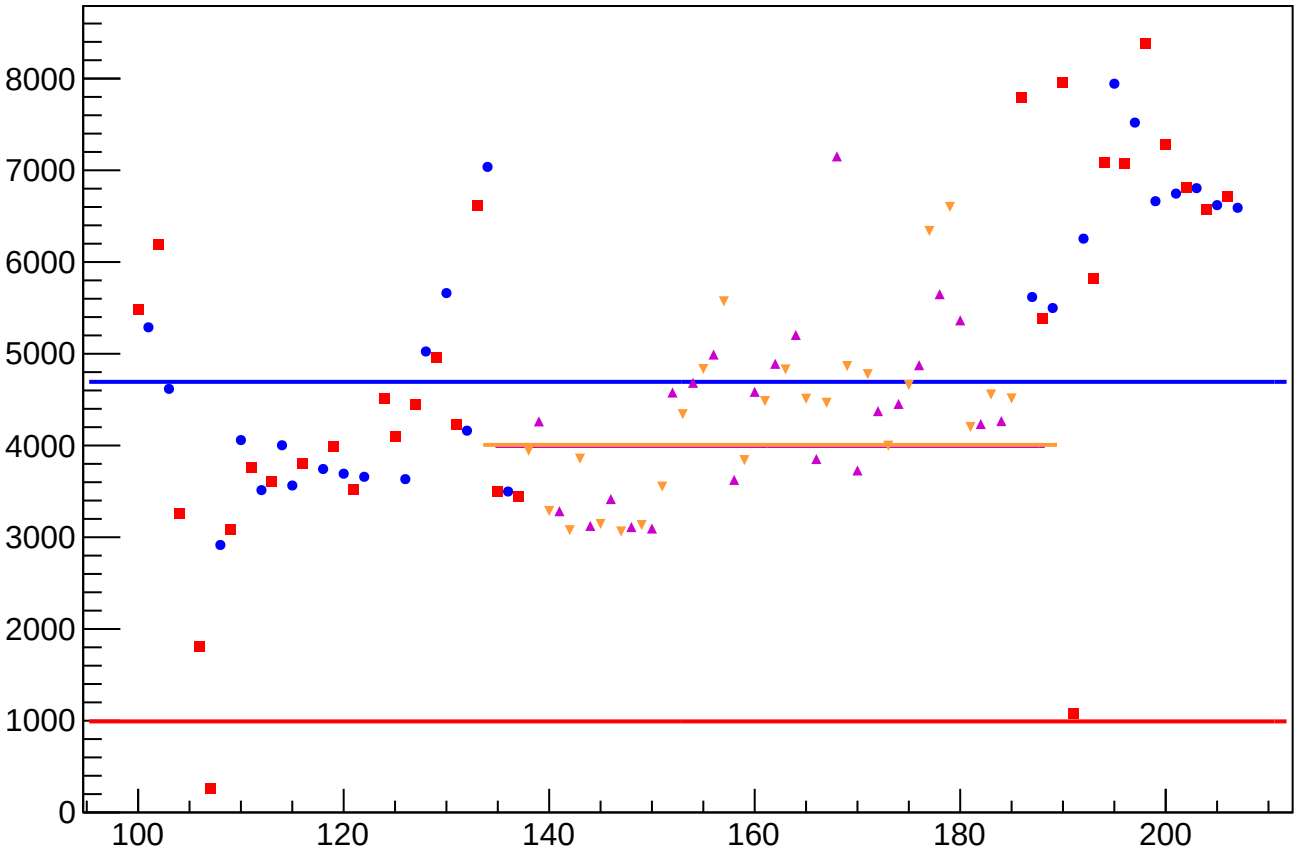
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 283.026+/-461.189 χ^2/NDF: 62.1/56

In: 63.289+/-764.824 χ^2/NDF:42.5/48

Out: 183.569+/-437.318 χ^2/NDF:62.0/55

All: 153.933+/-379.639 χ^2/NDF: 104.5/104



Right In: 4694.005+/-0.901 χ^2/NDF: 2515044.1/25

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

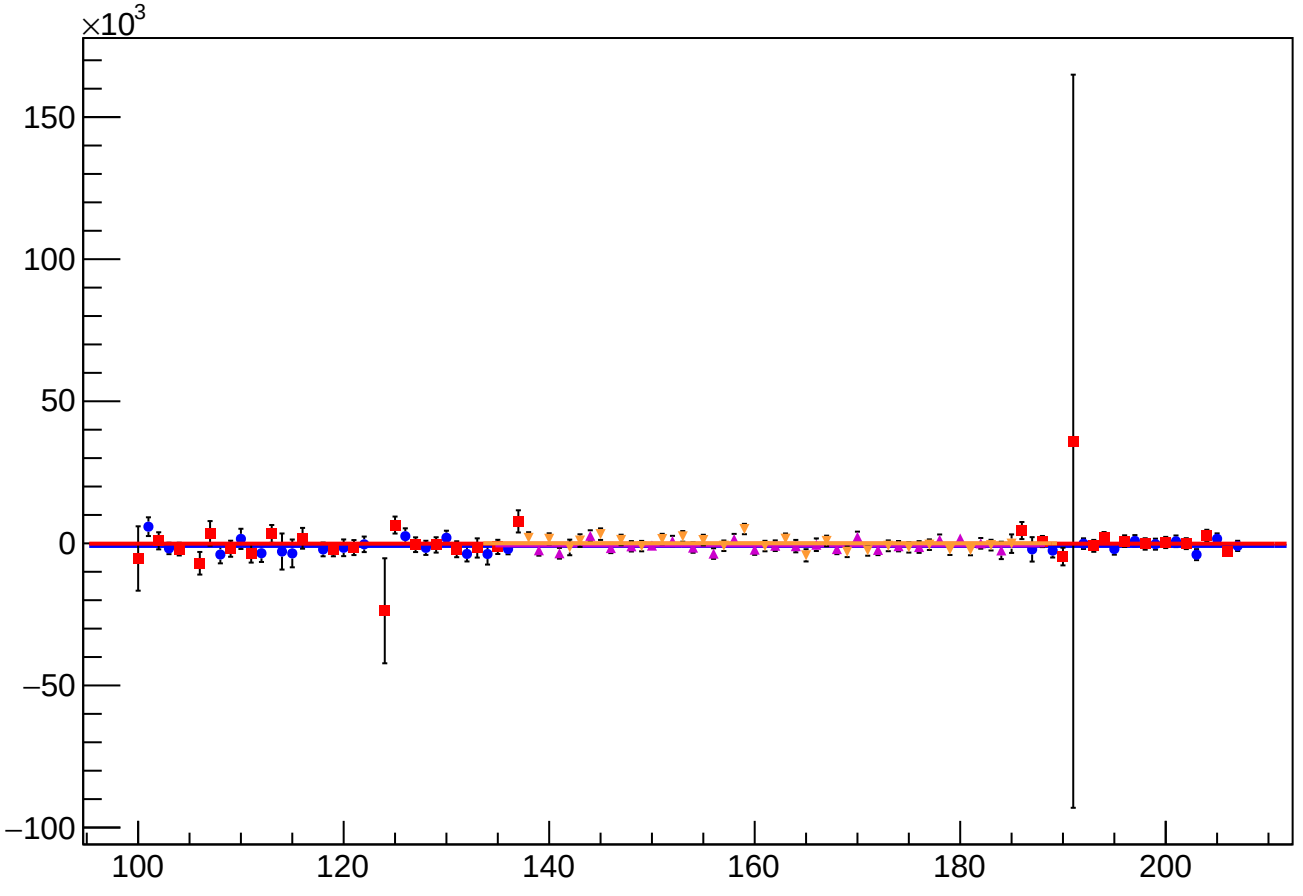
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1477.793+/-0.326 χ^2/NDF: 41161815.1/56

In: 4246.958+/-0.541 χ^2/NDF:4438297.2/48

Out: 1651.871+/-0.309 χ^2/NDF:41714537.8/55

All: 2291.268+/-0.268 χ^2/NDF: 63505198.7/



Right In: -906.012+/-474.682 χ^2/NDF: 19.1/25

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

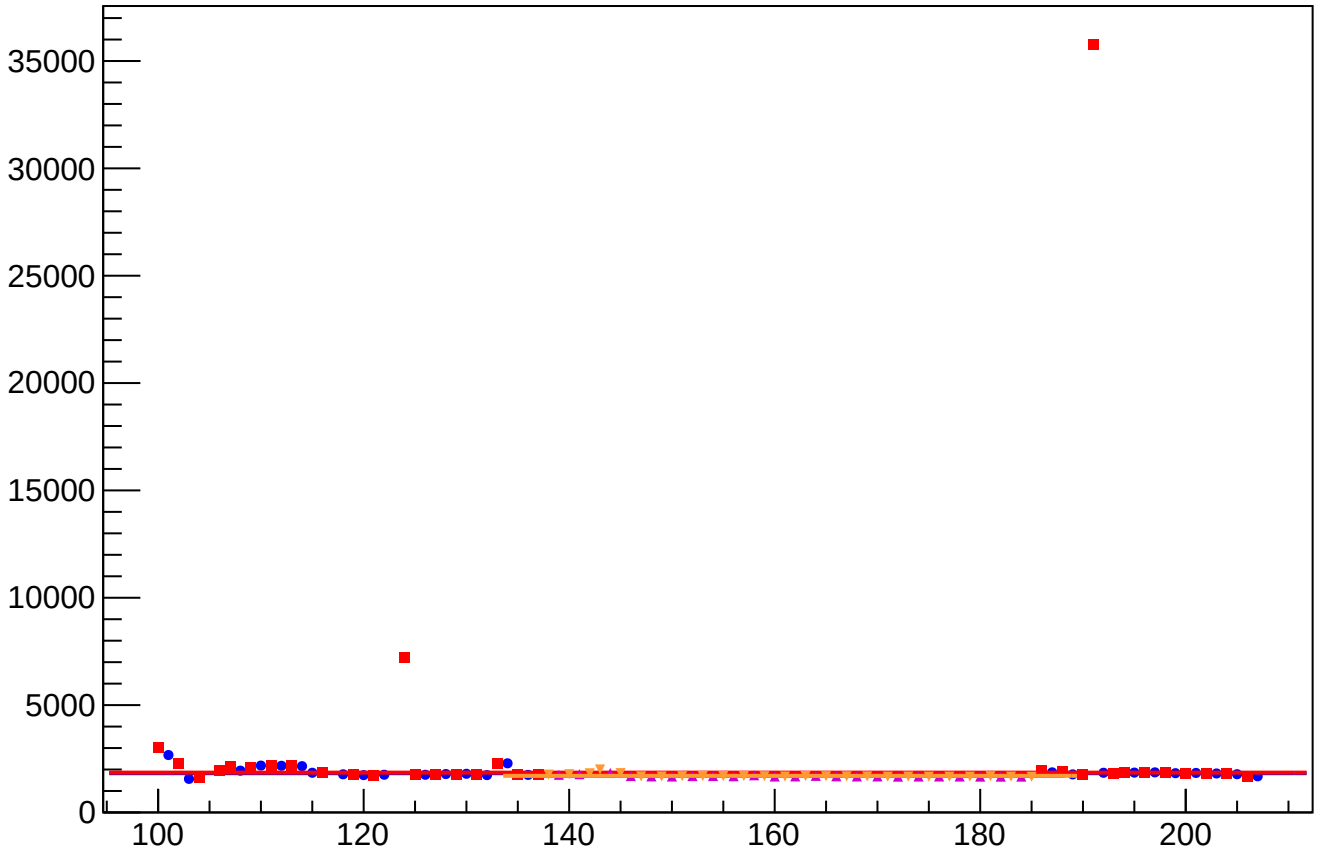
Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

Right: -497.176+/-332.409 χ^2/NDF: 52.1/56

In: -796.070+/-304.283 χ^2/NDF:38.3/48

Out: -28.793+/-297.960 χ^2/NDF:61.0/55

All: -404.377+/-212.890 χ^2/NDF: 102.6/104



Right In: 1829.434+/-0.336 χ^2/NDF: 278887.4/25

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

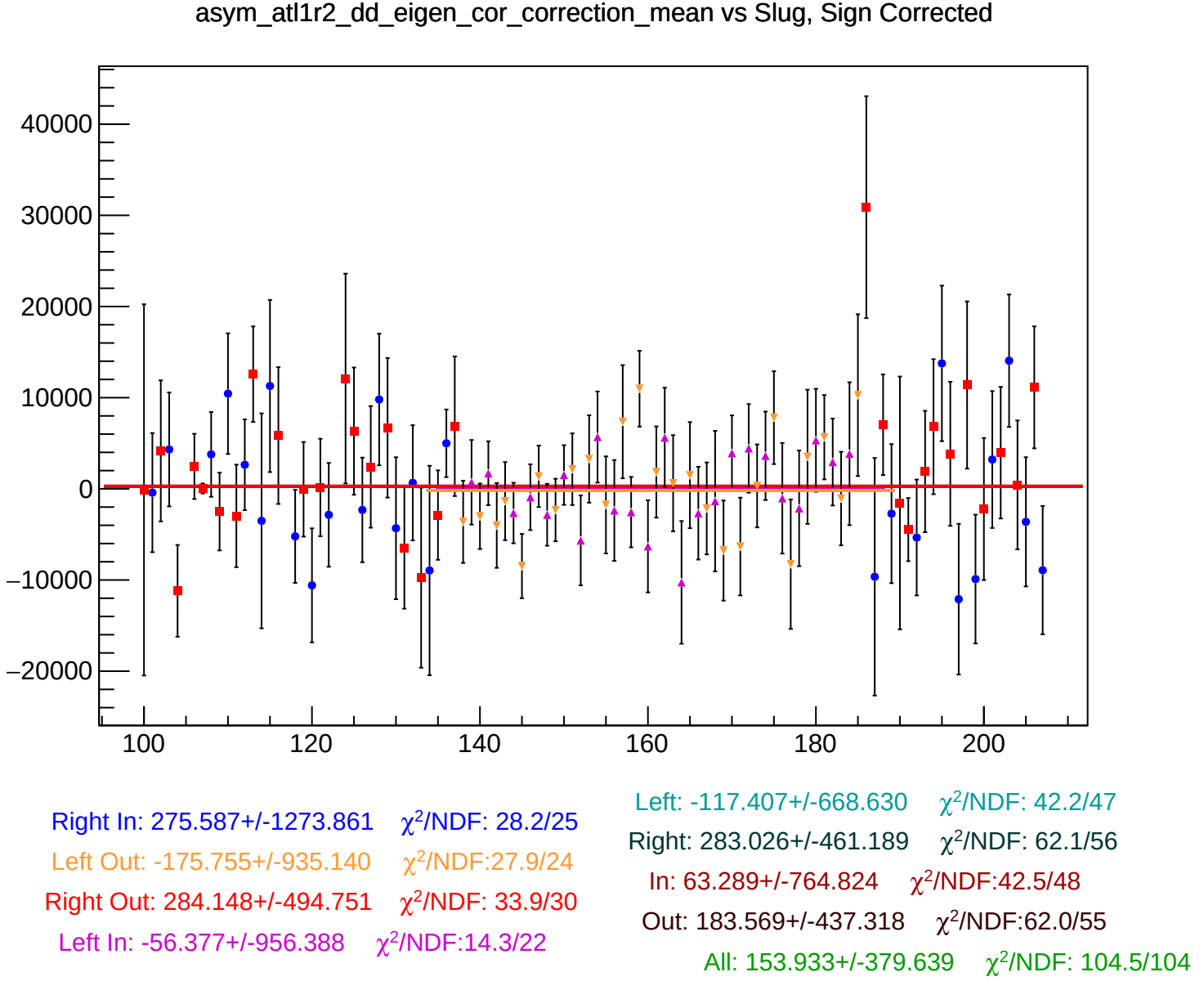
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

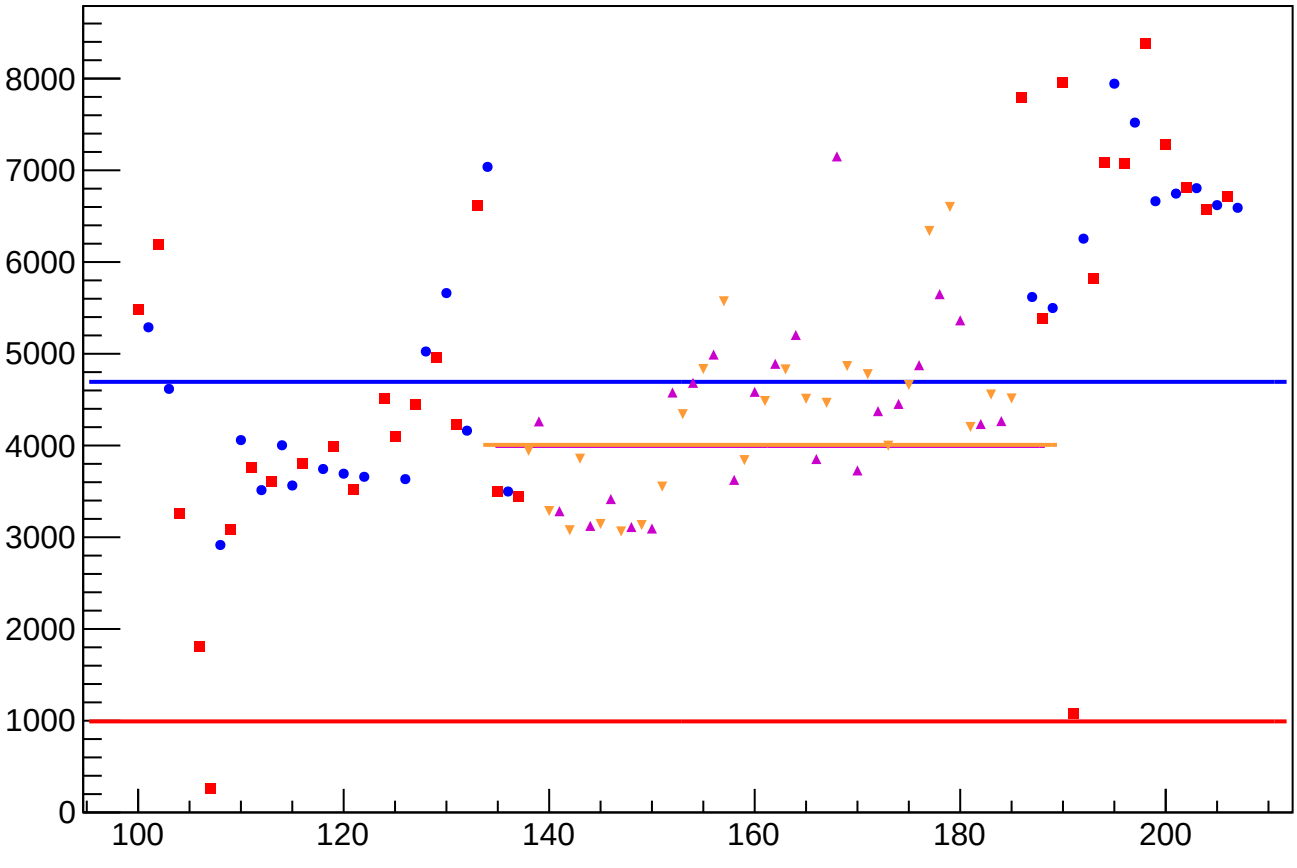
Right: 1842.714+/-0.235 χ^2/NDF: 817753.1/56

In: 1751.722+/-0.215 χ^2/NDF:391030.7/48

Out: 1767.052+/-0.211 χ^2/NDF:718150.3/55

All: 1759.551+/-0.151 χ^2/NDF: 1111773.4/10


asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 275.587+/-1273.861 χ²/NDF: 28.2/25
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: 283.026+/-461.189 χ²/NDF: 62.1/56
In: 63.289+/-764.824 χ²/NDF:42.5/48
Out: 183.569+/-437.318 χ²/NDF:62.0/55
All: 153.933+/-379.639 χ²/NDF: 104.5/104



Right In: 4694.005+/-0.901 χ^2/NDF: 2515044.1/25

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

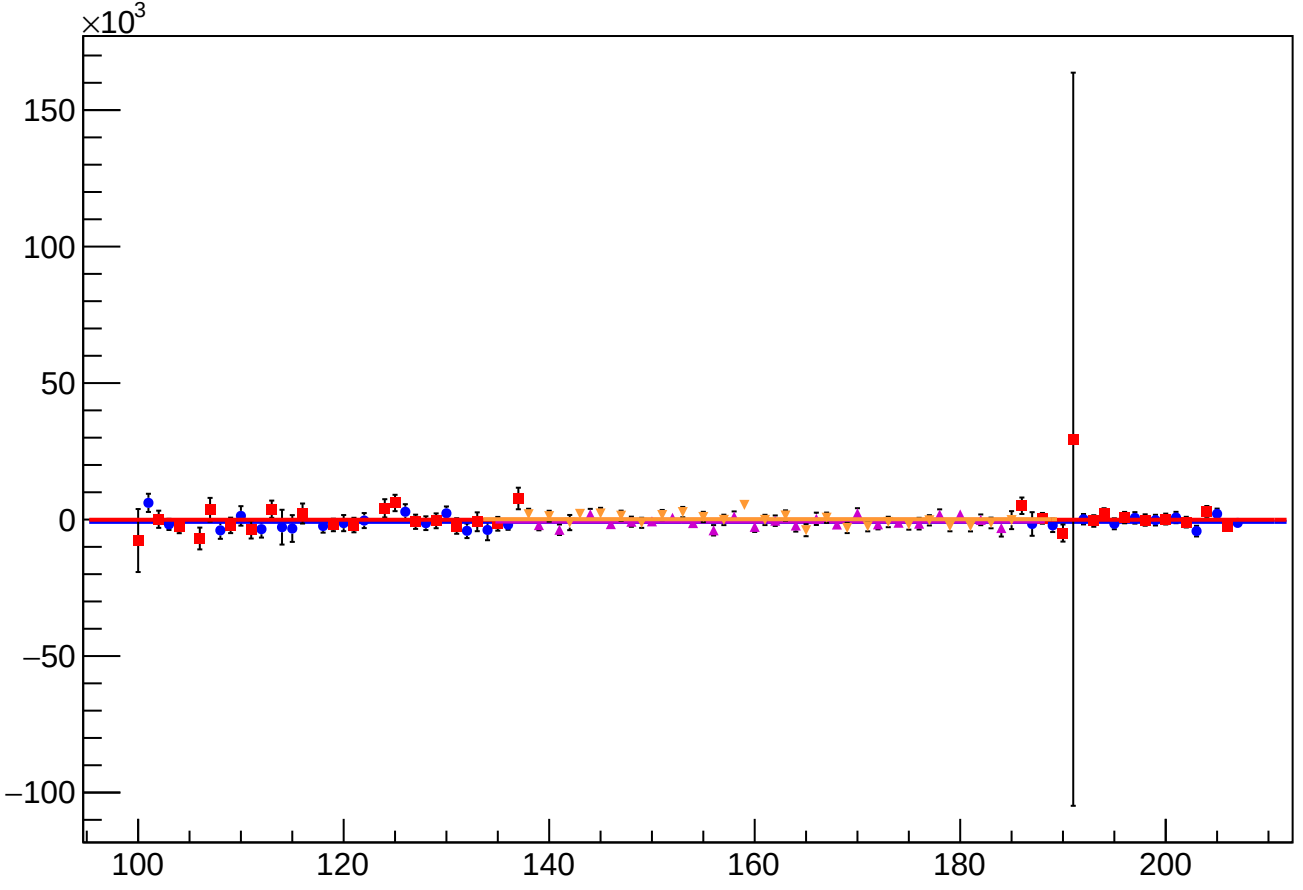
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1477.793+/-0.326 χ^2/NDF: 41161815.1/56

In: 4246.958+/-0.541 χ^2/NDF:4438297.2/48

Out: 1651.871+/-0.309 χ^2/NDF:41714537.8/55

All: 2291.268+/-0.268 χ^2/NDF: 63505198.7/



Right In: -844.576+/-479.915 χ^2/NDF: 20.5/25

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

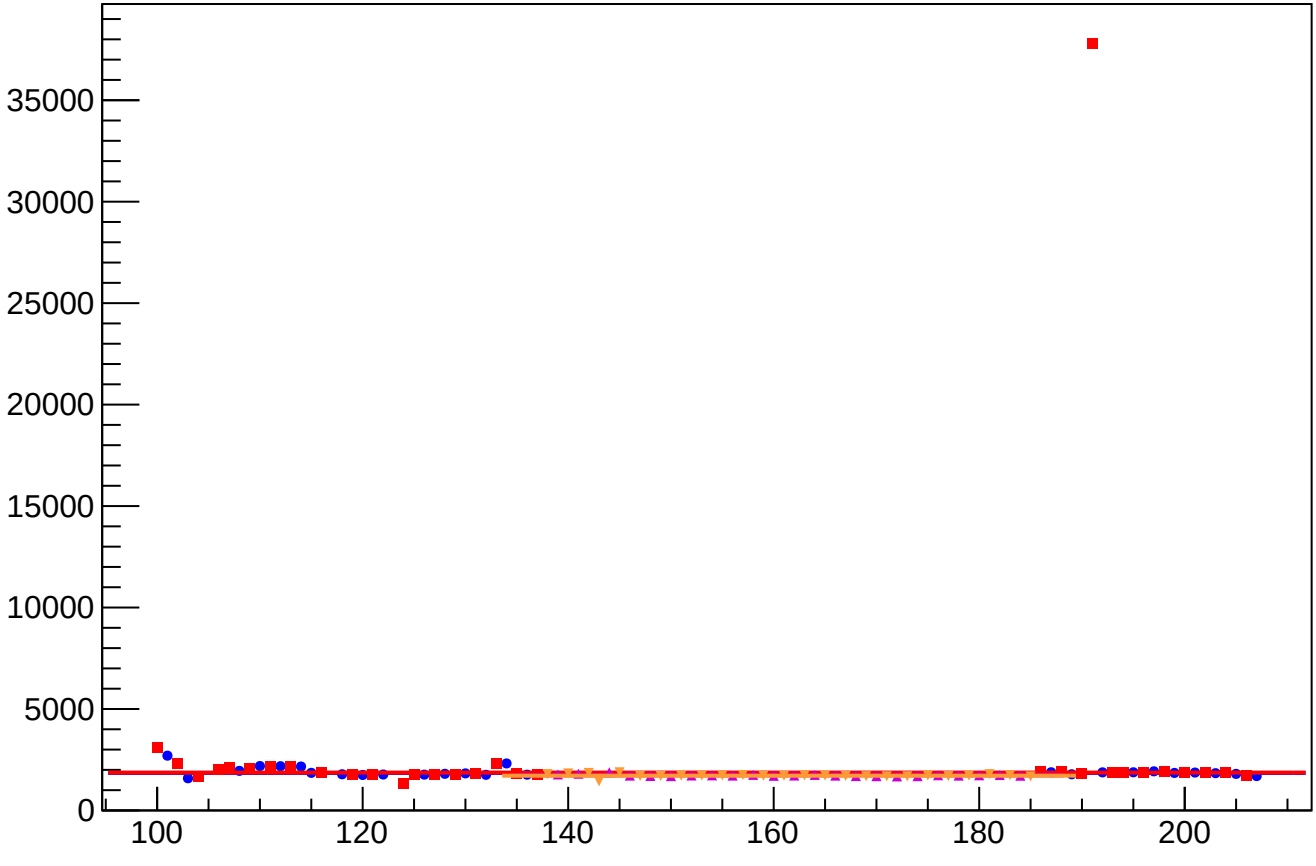
Right: -444.862+/-334.850 χ^2/NDF: 54.6/56

In: -784.089+/-309.140 χ^2/NDF:39.5/48

Out: 43.896+/-299.211 χ^2/NDF:62.5/55

All: -356.587+/-214.999 χ^2/NDF: 105.8/104

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1849.363+/-0.339 χ^2/NDF: 278896.2/25

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

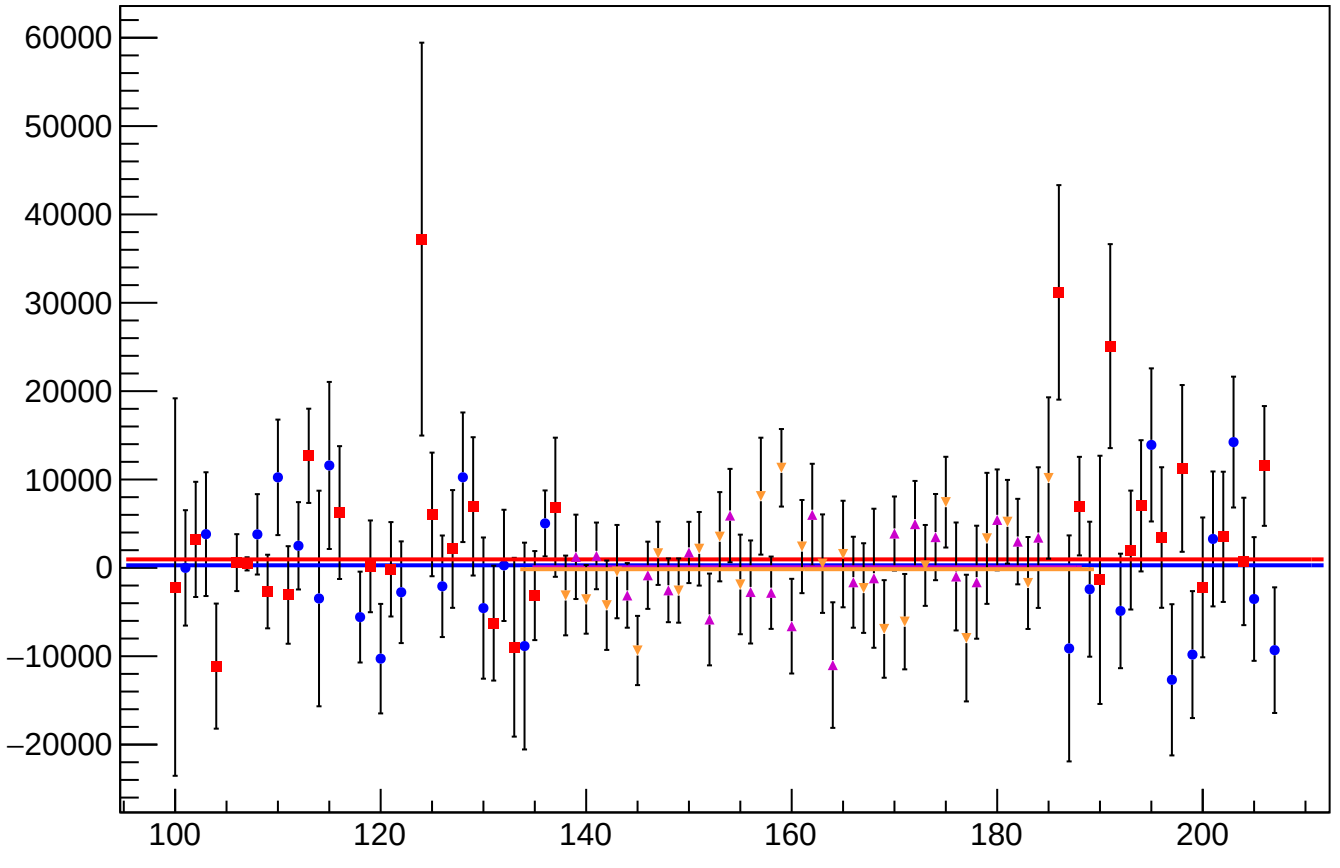
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1857.058+/-0.237 χ^2/NDF: 710026.7/56

In: 1779.728+/-0.219 χ^2/NDF:373942.7/48

Out: 1774.637+/-0.212 χ^2/NDF:649482.7/55

All: 1777.099+/-0.152 χ^2/NDF: 1023705.6/10



Right In: 290.763+/-1284.281 χ^2/NDF: 27.9/25

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

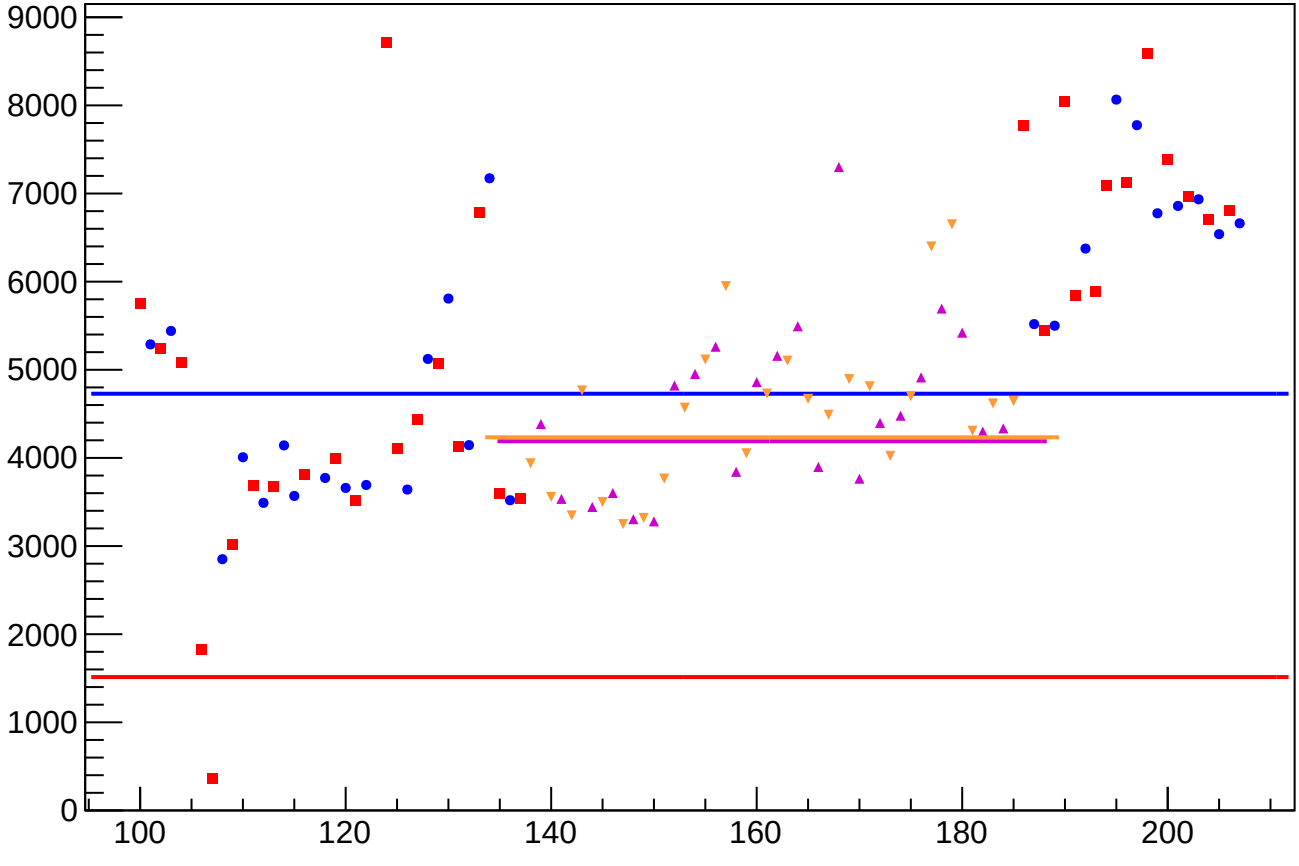
Right: 829.693+/-567.367 χ^2/NDF: 62.0/56

In: 150.330+/-789.072 χ^2/NDF:41.9/48

Out: 636.198+/-532.176 χ^2/NDF:61.7/55

All: 484.292+/-441.210 χ^2/NDF: 103.8/104

asym_atl1r2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4728.428+/-0.908 χ^2/NDF: 2666436.4/25

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

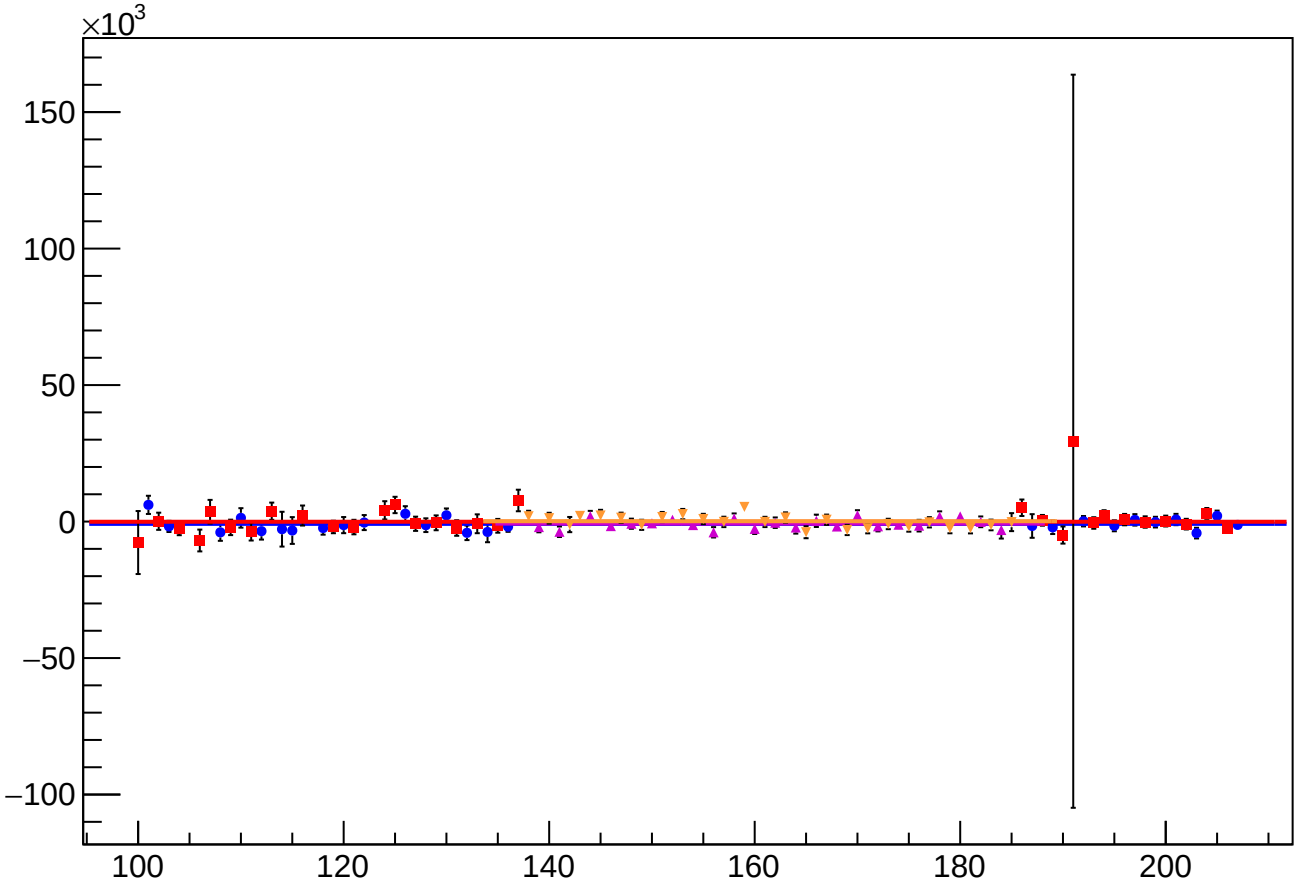
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2141.084+/-0.401 χ^2/NDF: 33976506.4/56

In: 4392.554+/-0.558 χ^2/NDF:4230784.4/48

Out: 2307.737+/-0.376 χ^2/NDF:33310221.1/55

All: 2959.551+/-0.312 χ^2/NDF: 47137470.0/1



Right In: -844.576+/-479.915 χ^2/NDF: 20.5/25

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

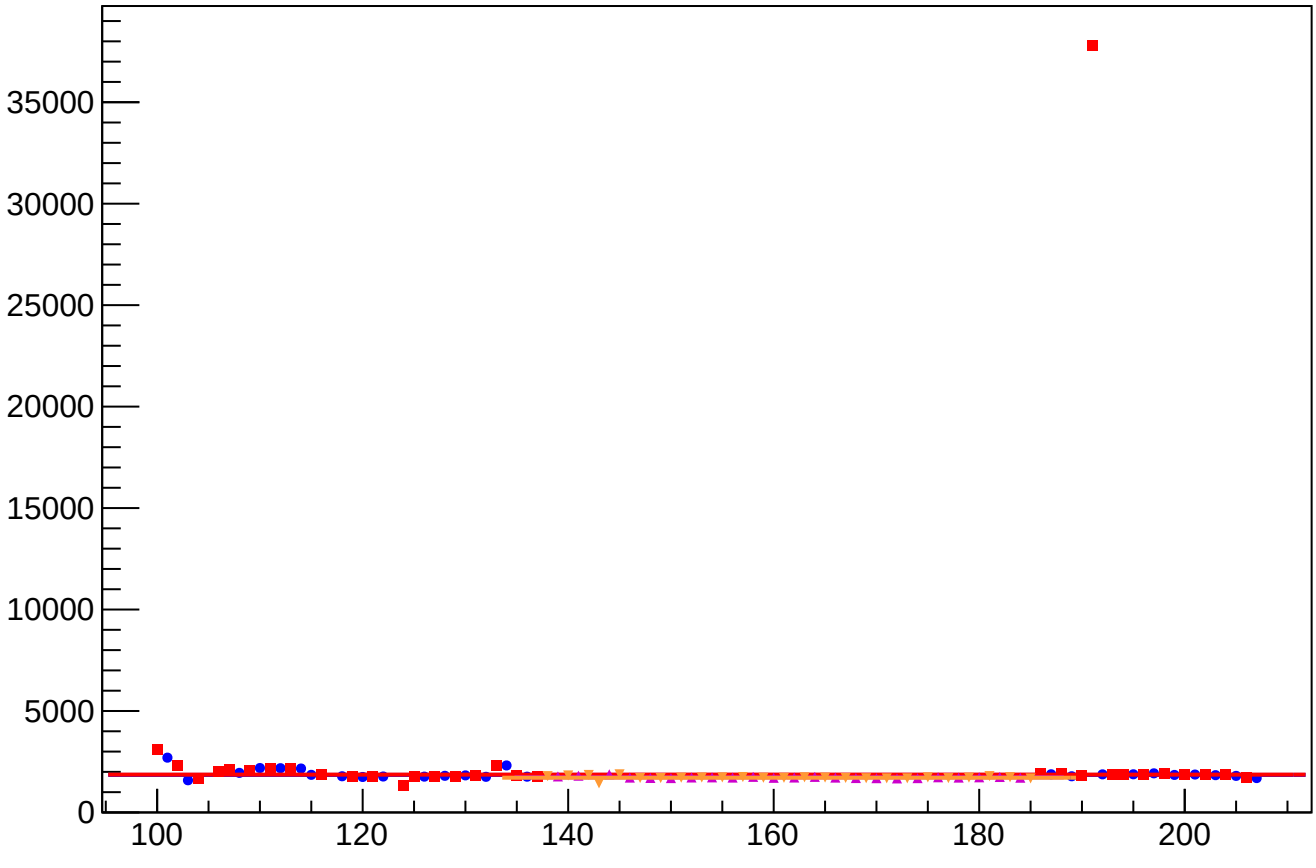
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -444.862+/-334.850 χ^2/NDF: 54.6/56

In: -784.088+/-309.140 χ^2/NDF:39.5/48

Out: 43.897+/-299.211 χ^2/NDF:62.5/55

All: -356.585+/-214.999 χ^2/NDF: 105.8/104



Right In: 1849.363+/-0.339 χ^2/NDF: 278896.1/25

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

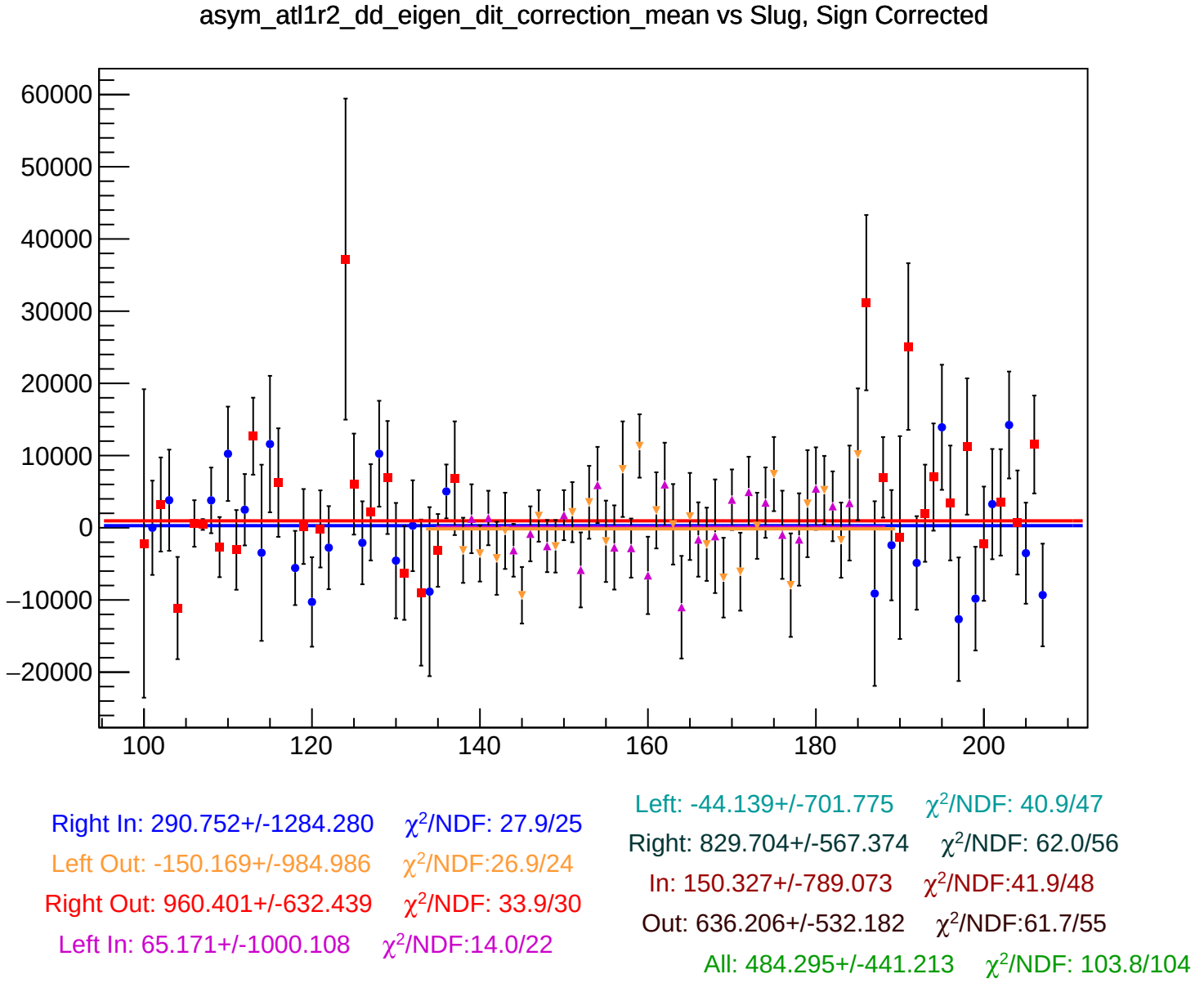
Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

Right: 1857.058+/-0.237 χ^2/NDF: 710026.8/56

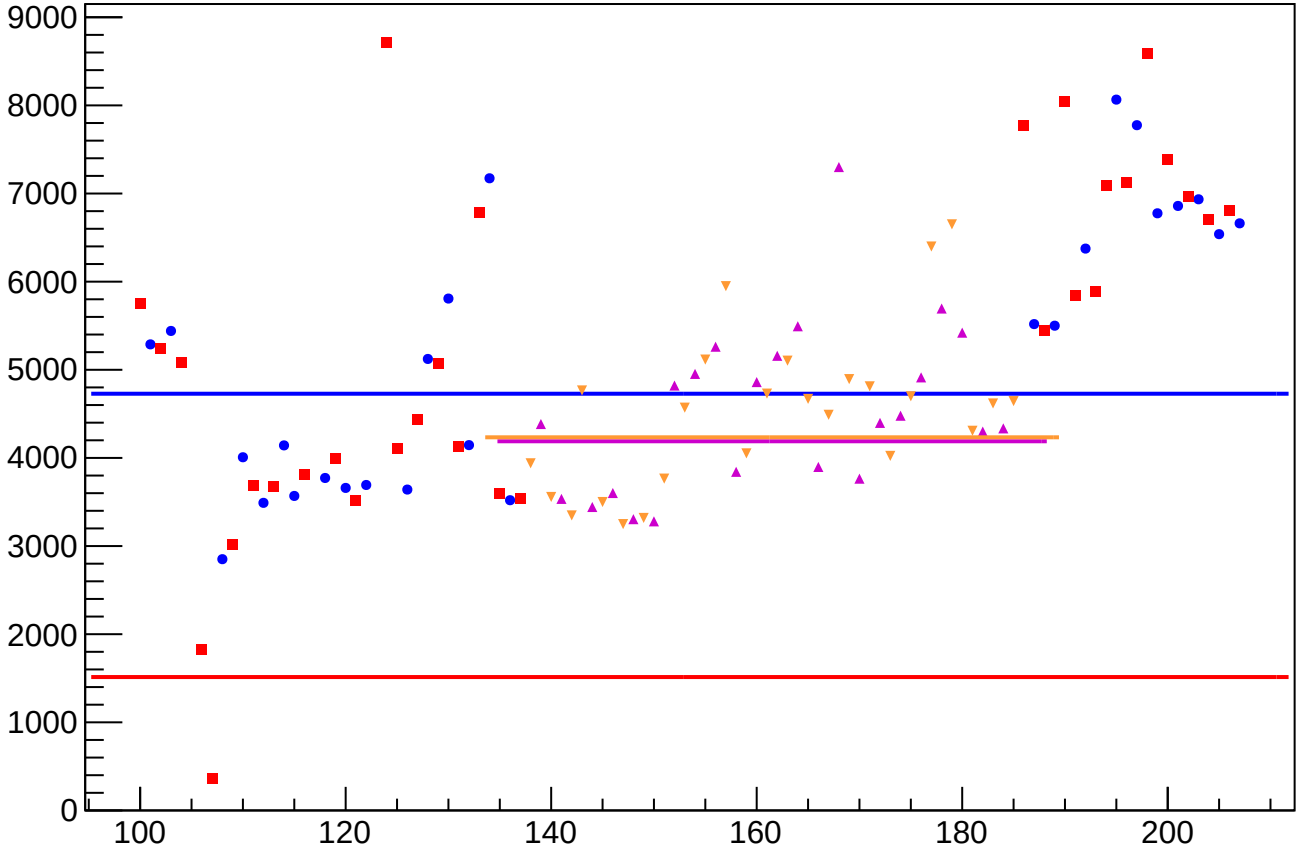
In: 1779.729+/-0.219 χ^2/NDF:373941.9/48

Out: 1774.637+/-0.212 χ^2/NDF:649481.3/55

All: 1777.100+/-0.152 χ^2/NDF: 1023703.3/10


asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 290.752+/-1284.280 χ²/NDF: 27.9/25
Left Out: -150.169+/-984.986 χ²/NDF:26.9/24
Right Out: 960.401+/-632.439 χ²/NDF: 33.9/30
Left In: 65.171+/-1000.108 χ²/NDF:14.0/22
Left: -44.139+/-701.775 χ²/NDF: 40.9/47
Right: 829.704+/-567.374 χ²/NDF: 62.0/56
In: 150.327+/-789.073 χ²/NDF:41.9/48
Out: 636.206+/-532.182 χ²/NDF:61.7/55
All: 484.295+/-441.213 χ²/NDF: 103.8/104

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4728.423+/-0.908 χ^2/NDF: 2666454.0/25

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

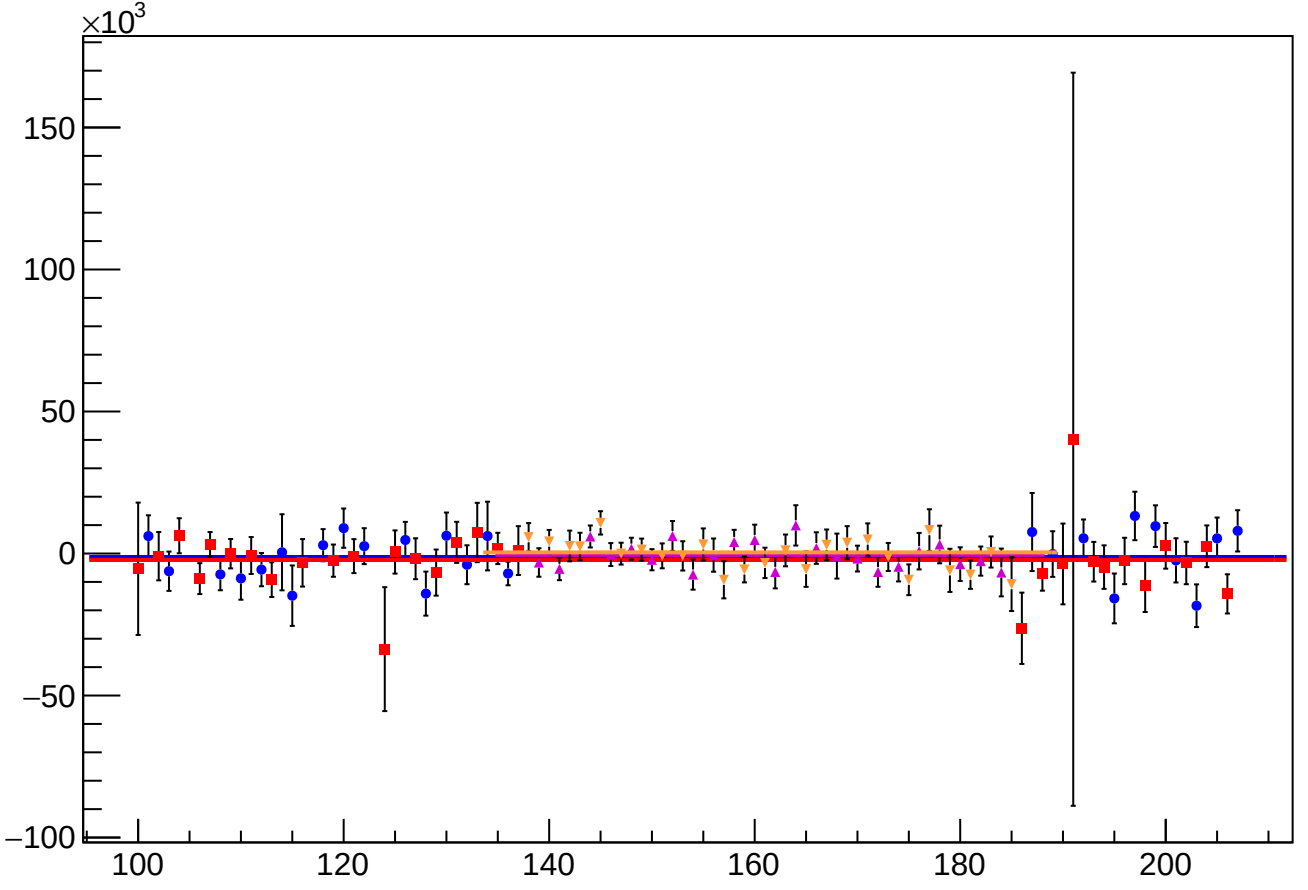
Right: 2141.133+/-0.401 χ^2/NDF: 33975910.0/56

In: 4392.556+/-0.558 χ^2/NDF:4230797.8/48

Out: 2307.783+/-0.376 χ^2/NDF:33309548.9/55

All: 2959.593+/-0.312 χ^2/NDF: 47136329.5/

asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -1227.389+/-1396.295 χ^2/NDF: 32.9/25

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

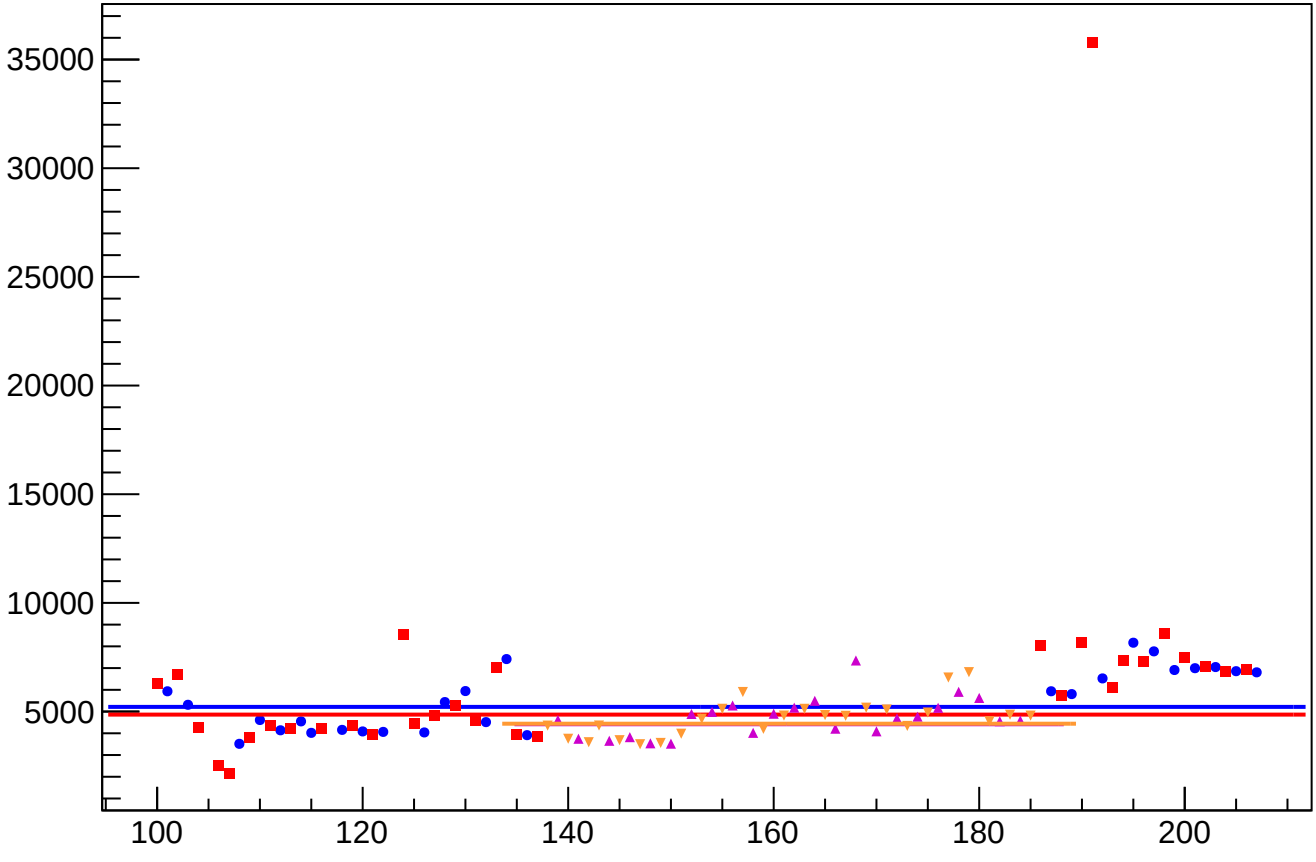
Right: -1789.005+/-950.072 χ^2/NDF: 53.9/56

In: -764.563+/-839.035 χ^2/NDF:50.4/48

Out: -633.471+/-805.712 χ^2/NDF:48.0/55

All: -696.362+/-581.148 χ^2/NDF: 98.4/104

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5214.691+/-0.987 χ^2/NDF: 1900460.4/25

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

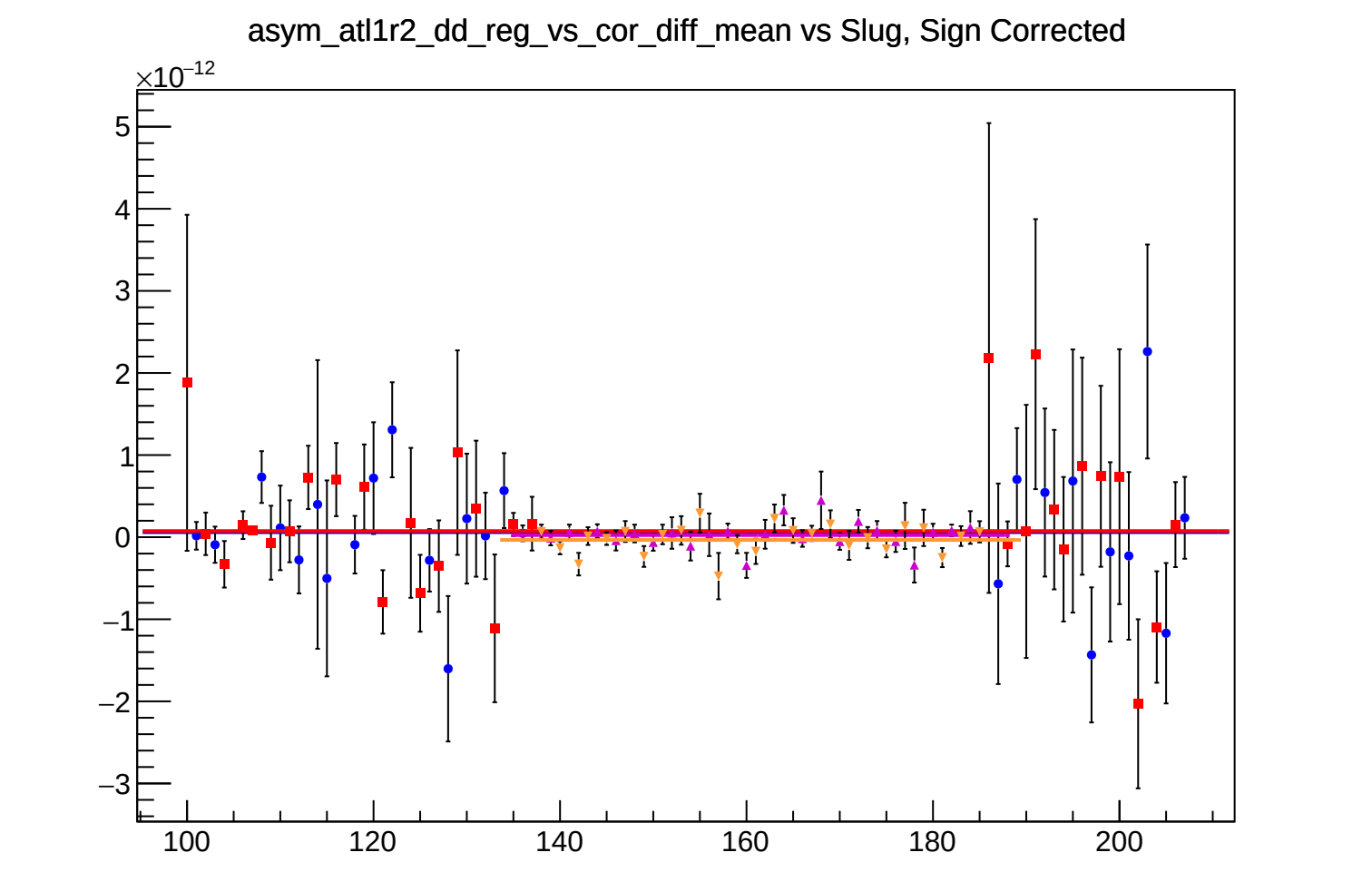
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

Right: 5022.749+/-0.669 χ^2/NDF: 5650630.3/56

In: 4703.988+/-0.593 χ^2/NDF:3430633.4/48

Out: 4603.946+/-0.568 χ^2/NDF:4882551.2/55

All: 4651.805+/-0.410 χ^2/NDF: 8328016.0/10



Right In: 0.000+/-0.000 χ^2/NDF: 27.6/25

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

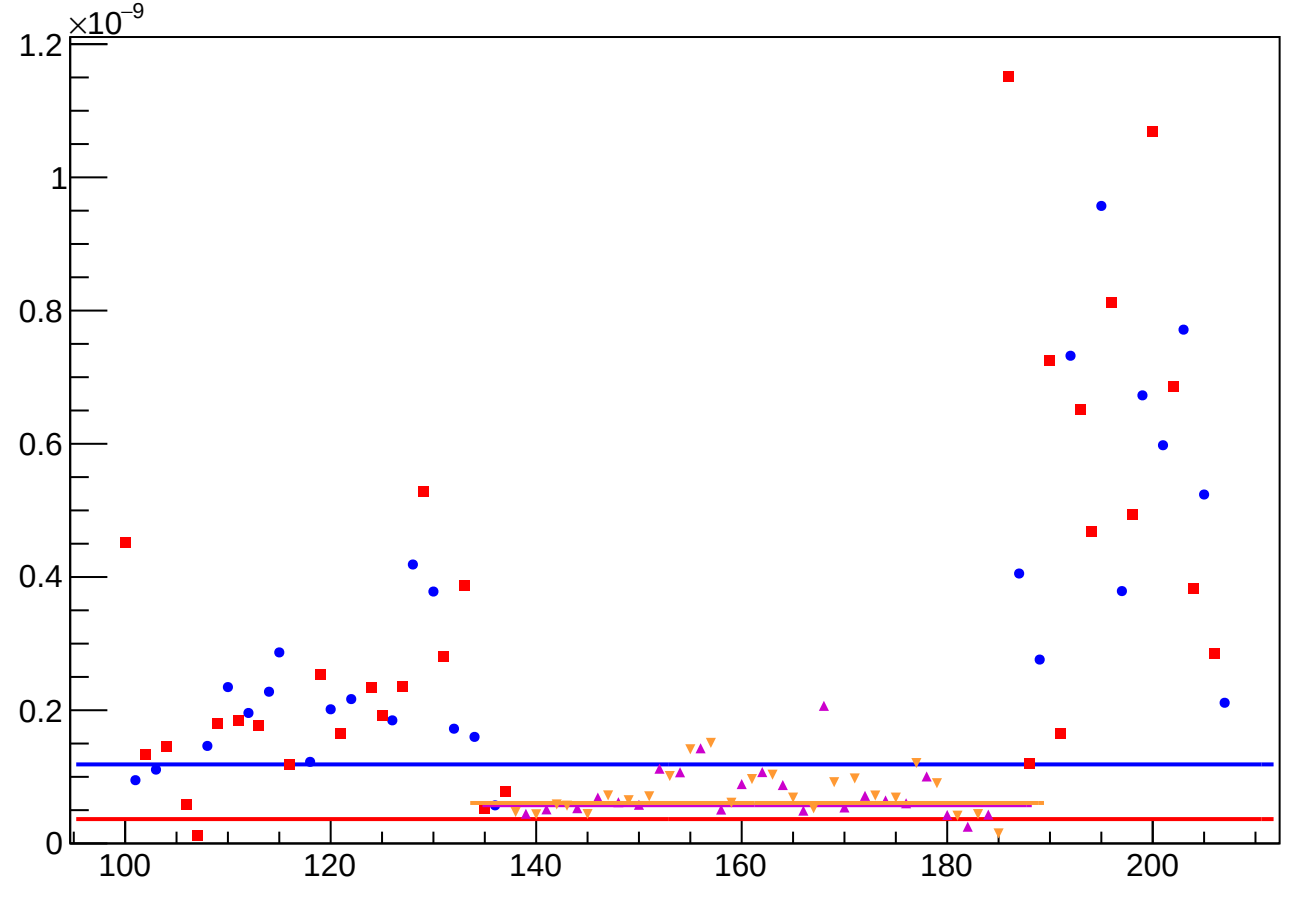
Left: -0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 58.5/56

In: 0.000+/-0.000 χ^2/NDF:47.2/48

Out: 0.000+/-0.000 χ^2/NDF:66.3/55

All: 0.000+/-0.000 χ^2/NDF: 114.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 5399022.9/25

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10328673.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3620409.0/47

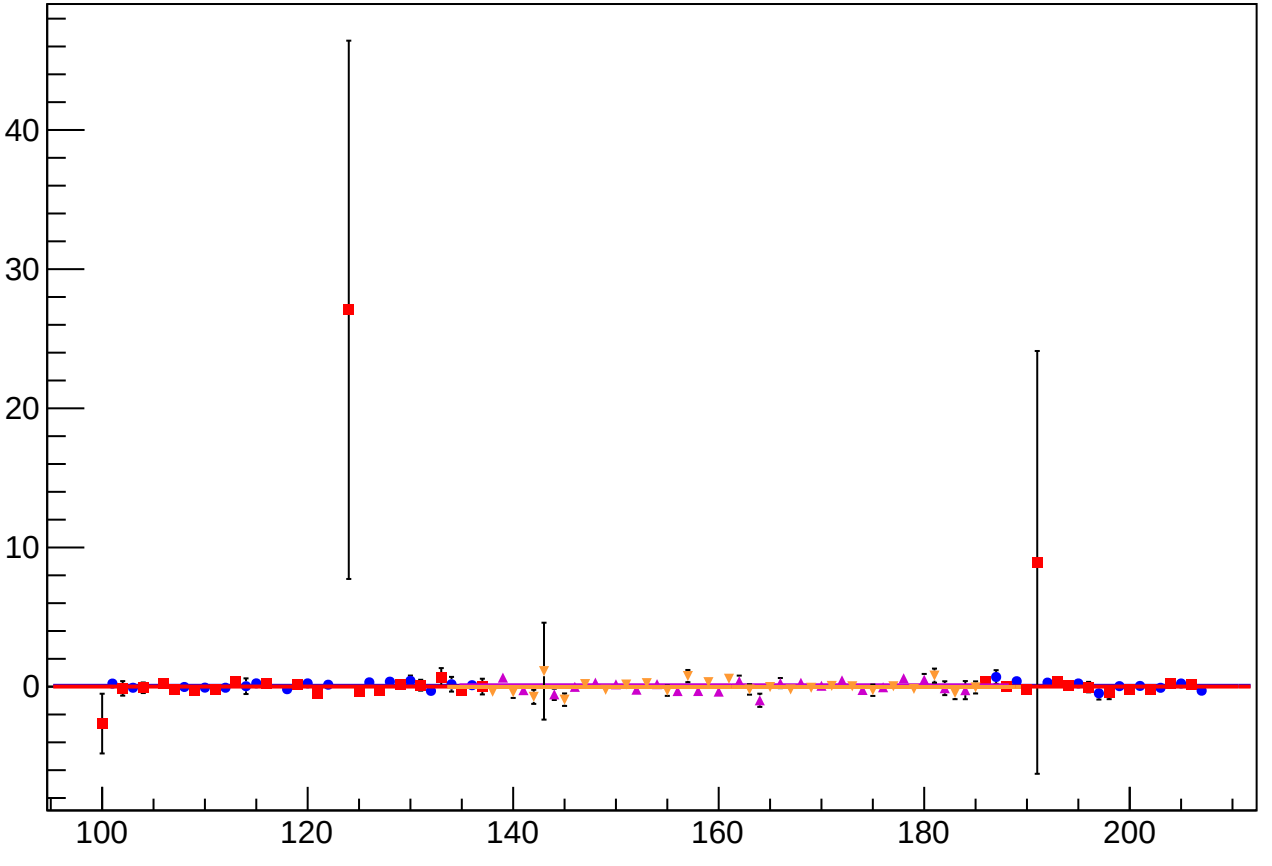
Right: 0.000+/-0.000 χ^2/NDF: 18208446.0/56

In: 0.000+/-0.000 χ^2/NDF:8789713.2/48

Out: 0.000+/-0.000 χ^2/NDF:12747056.9/55

All: 0.000+/-0.000 χ^2/NDF: 21895918.8/104

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.053 χ^2/NDF: 18.2/25

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

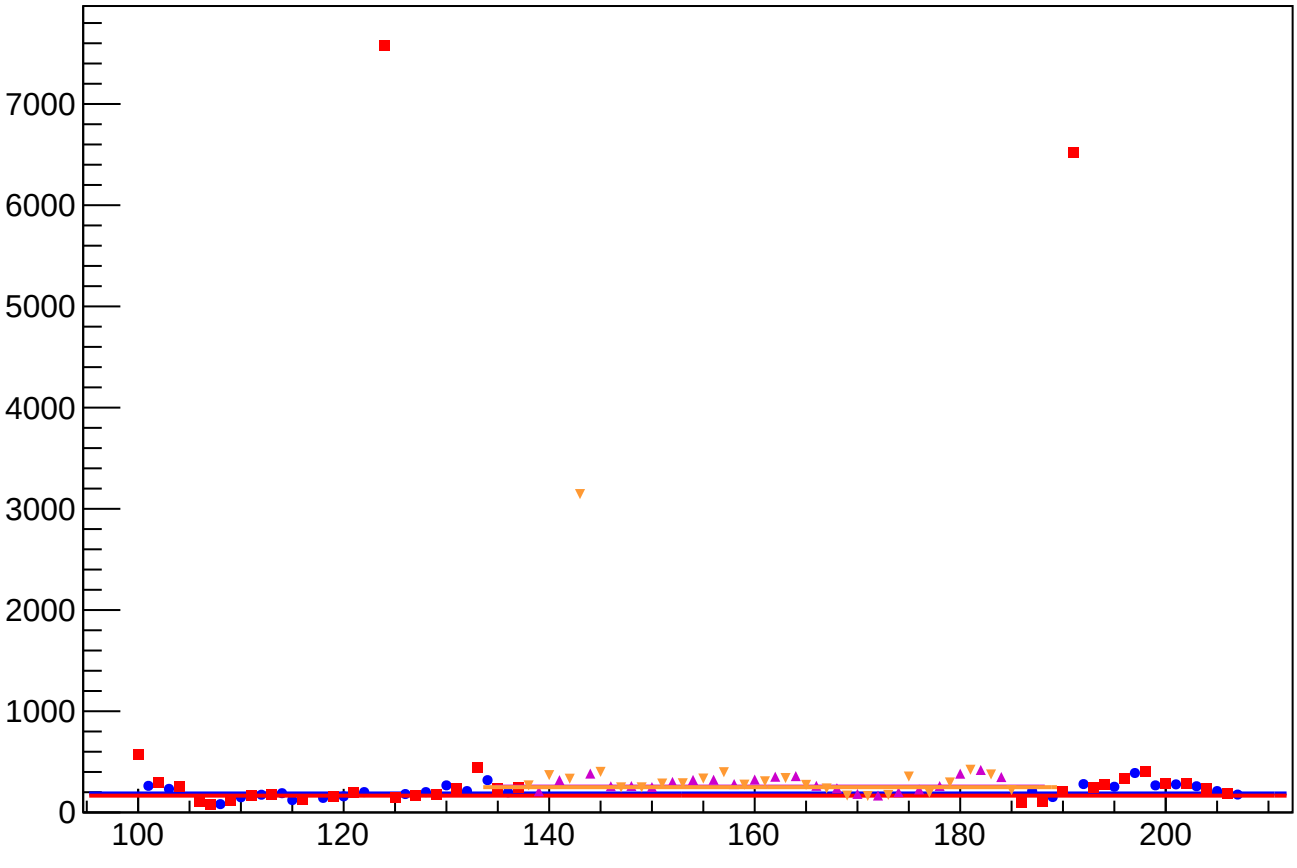
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.031+/-0.035 χ^2/NDF: 48.3/56

In: 0.075+/-0.040 χ^2/NDF:49.9/48

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.032+/-0.027 χ^2/NDF: 105.2/104



Right In: 187.720+/-0.037 χ^2/NDF: 2962904.6/25

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

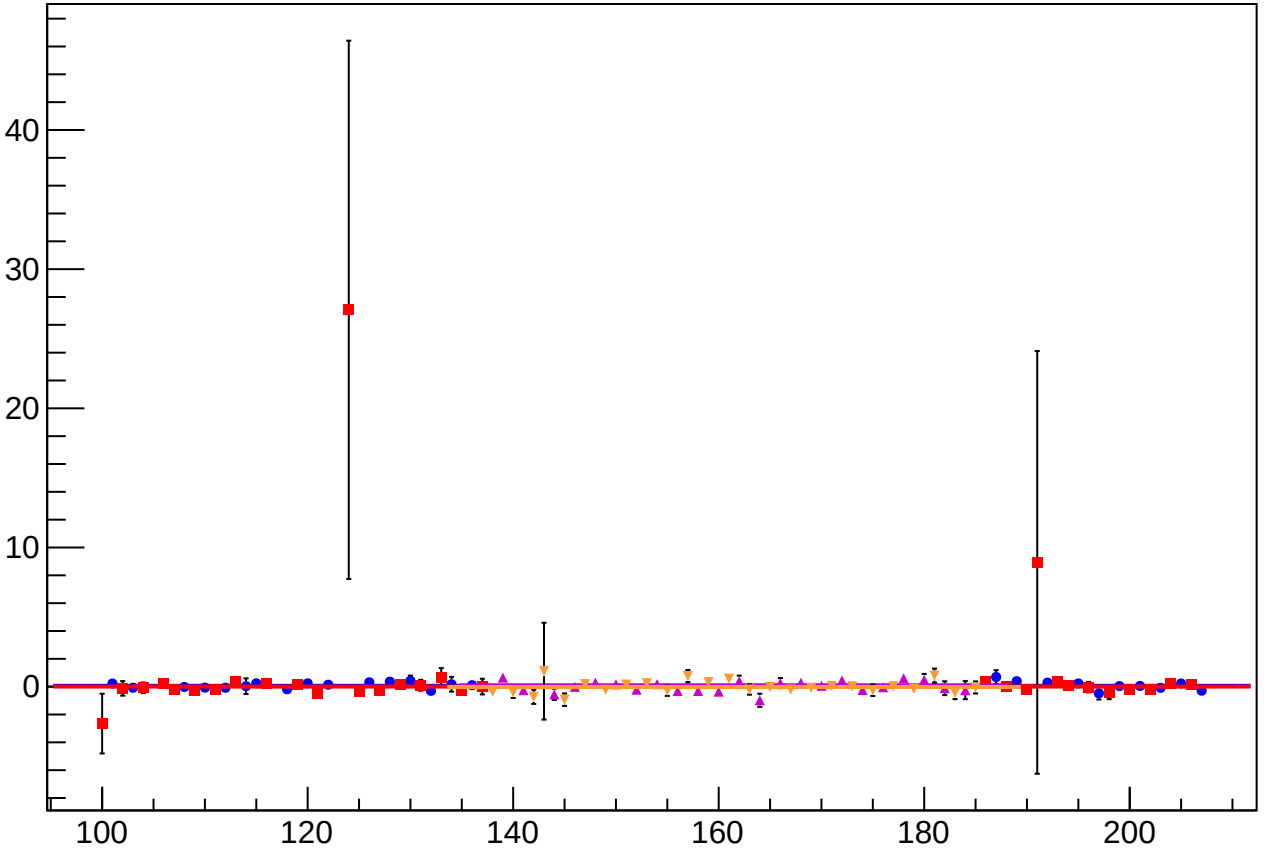
Right: 175.694+/-0.025 χ^2/NDF: 8451729.5/56

In: 215.439+/-0.029 χ^2/NDF:6431782.0/48

Out: 196.864+/-0.026 χ^2/NDF:11872592.3/55

All: 205.436+/-0.019 χ^2/NDF: 18532629.6/10

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.053 χ^2/NDF: 18.2/25

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

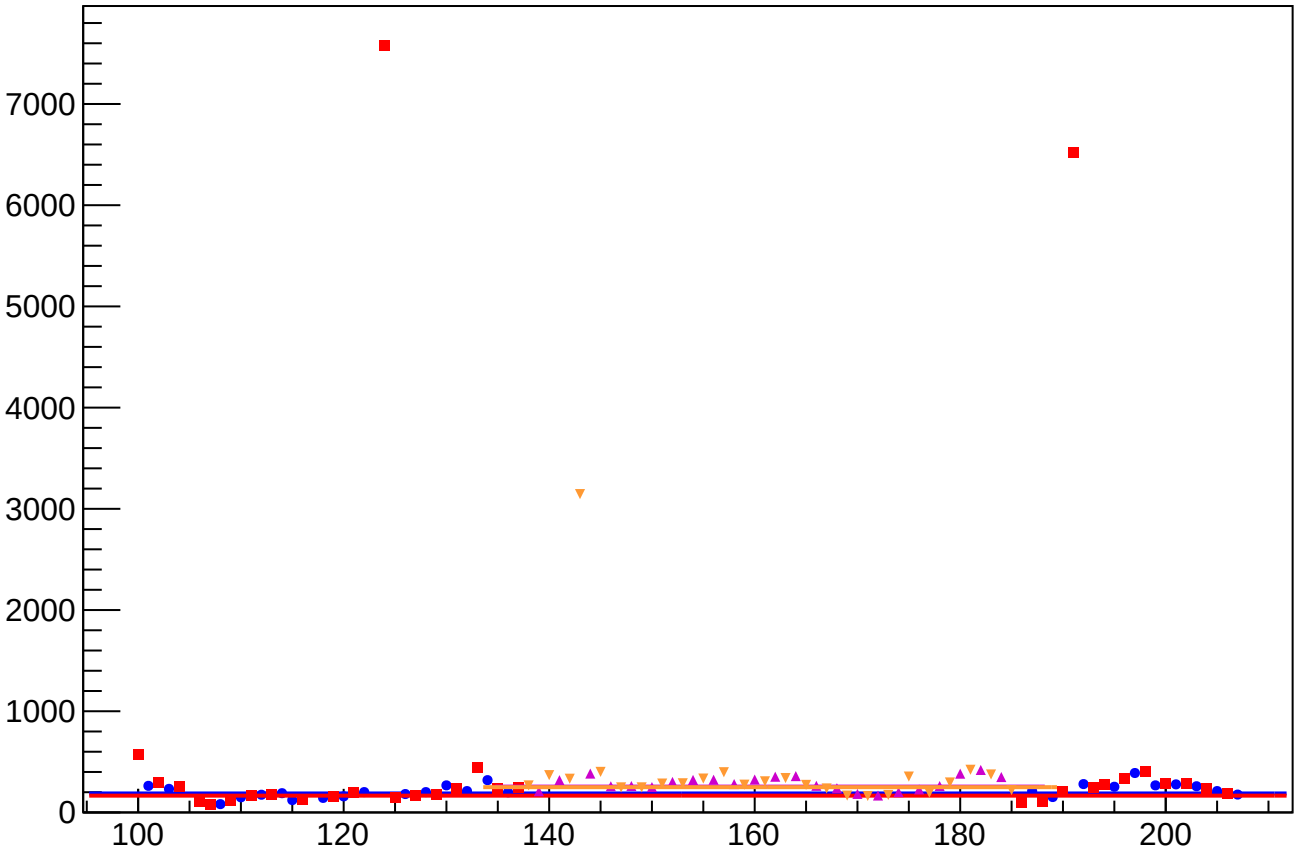
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.031+/-0.035 χ^2/NDF: 48.3/56

In: 0.075+/-0.040 χ^2/NDF:49.9/48

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.032+/-0.027 χ^2/NDF: 105.2/104



Right In: 187.720+/-0.037 χ^2/NDF: 2962904.6/25

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

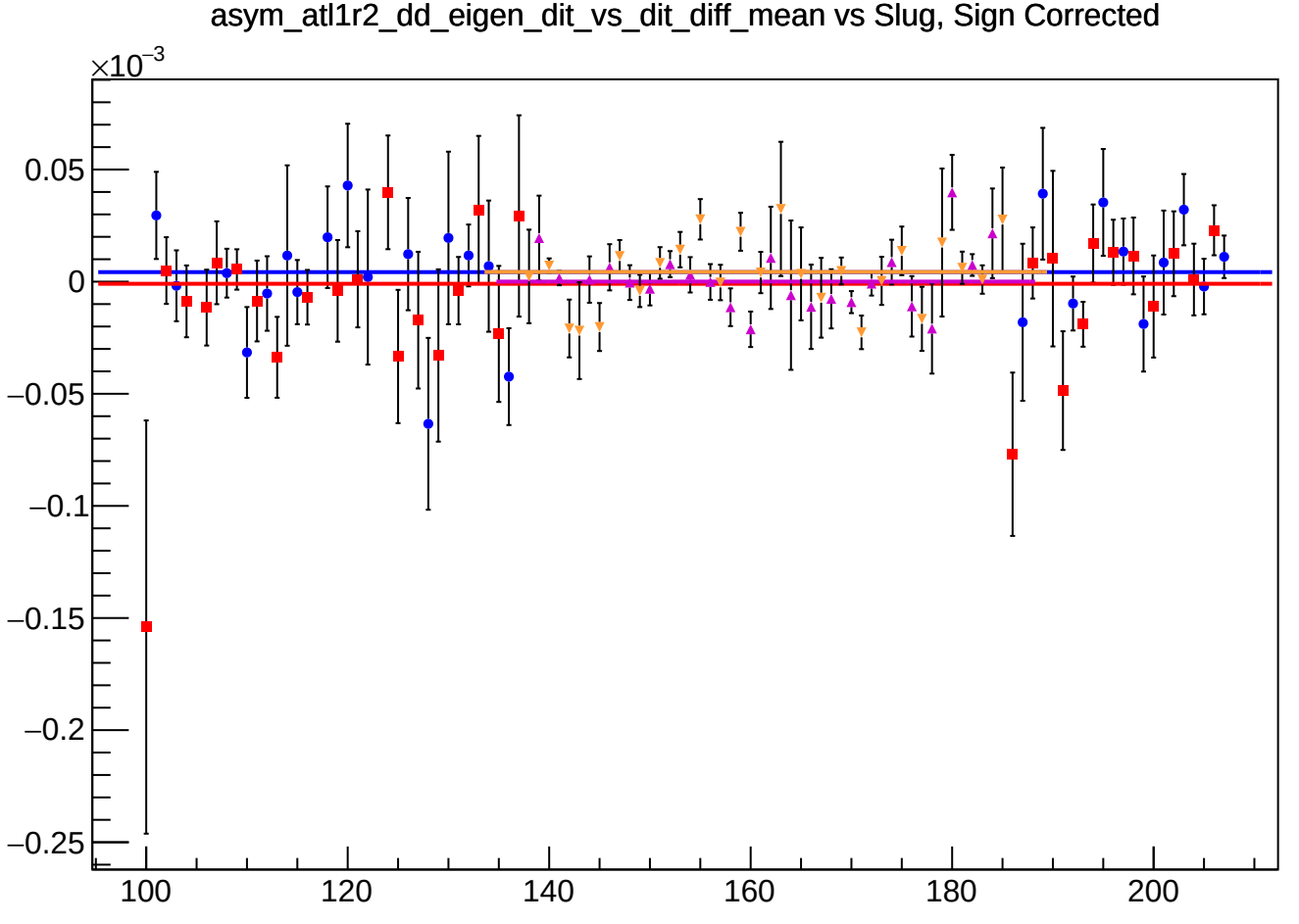
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 175.694+/-0.025 χ^2/NDF: 8451729.5/56

In: 215.439+/-0.029 χ^2/NDF:6431782.0/48

Out: 196.864+/-0.026 χ^2/NDF:11872592.3/55

All: 205.436+/-0.019 χ^2/NDF: 18532629.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/25

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

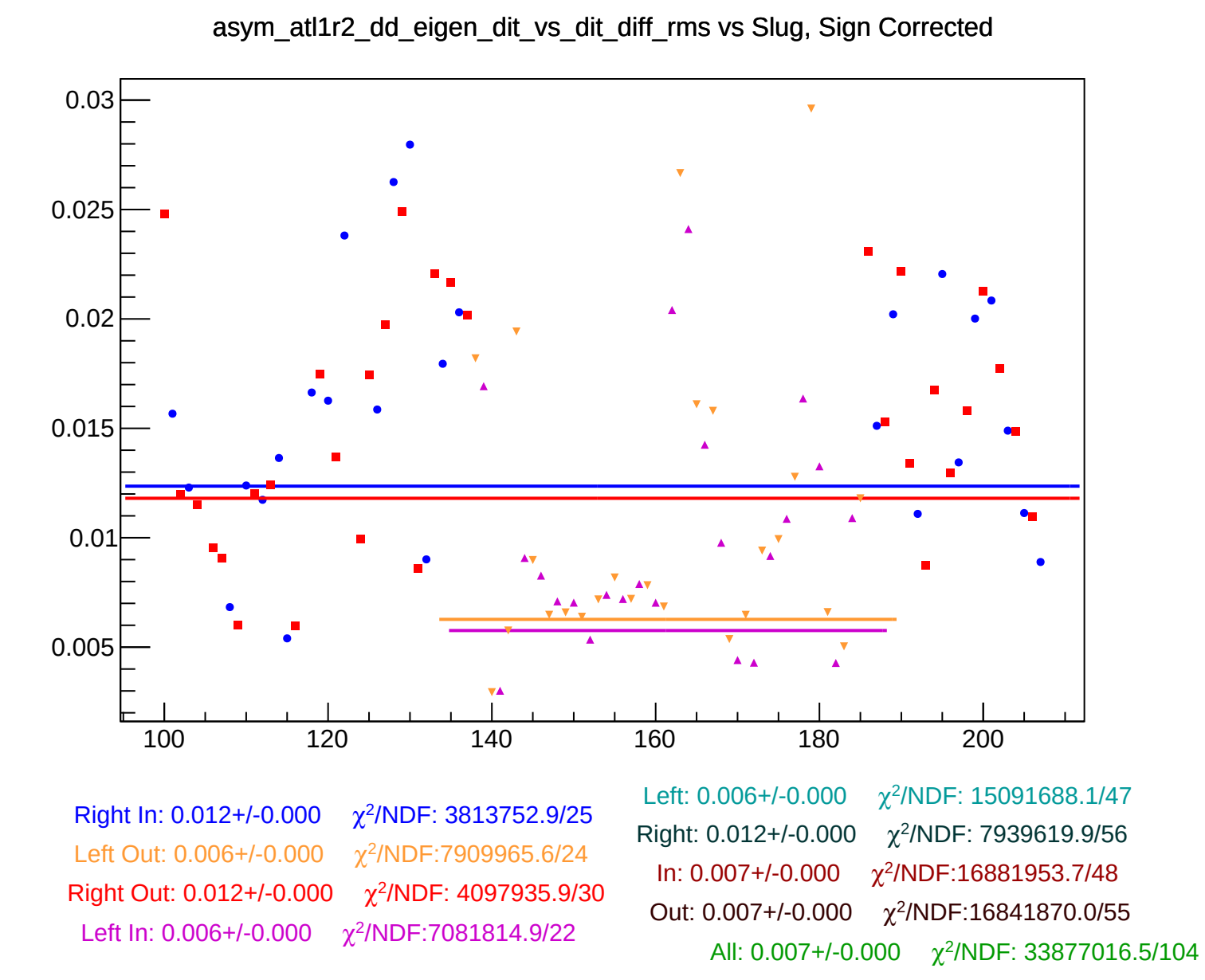
Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

Right: 0.000+/-0.000 χ^2/NDF: 62.0/56

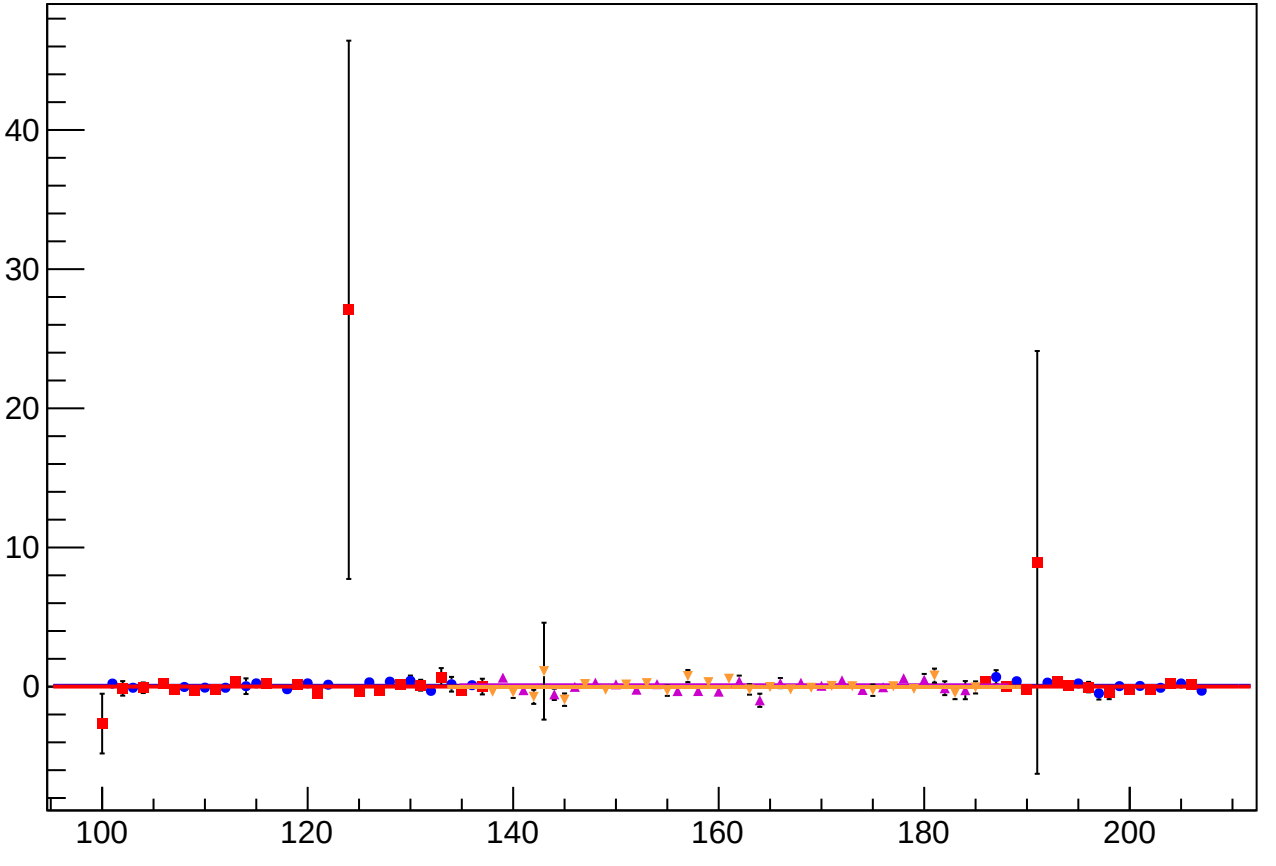
In: 0.000+/-0.000 χ^2/NDF:57.1/48

Out: 0.000+/-0.000 χ^2/NDF:82.2/55

All: 0.000+/-0.000 χ^2/NDF: 140.7/104


asym_atl1r2_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: 0.012+/-0.000 χ²/NDF: 3813752.9/25
Left Out: 0.006+/-0.000 χ²/NDF:7909965.6/24
Right Out: 0.012+/-0.000 χ²/NDF: 4097935.9/30
Left In: 0.006+/-0.000 χ²/NDF:7081814.9/22
Left: 0.006+/-0.000 χ²/NDF: 15091688.1/47
Right: 0.012+/-0.000 χ²/NDF: 7939619.9/56
In: 0.007+/-0.000 χ²/NDF:16881953.7/48
Out: 0.007+/-0.000 χ²/NDF:16841870.0/55
All: 0.007+/-0.000 χ²/NDF: 33877016.5/104

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.053 χ^2/NDF: 18.2/25

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

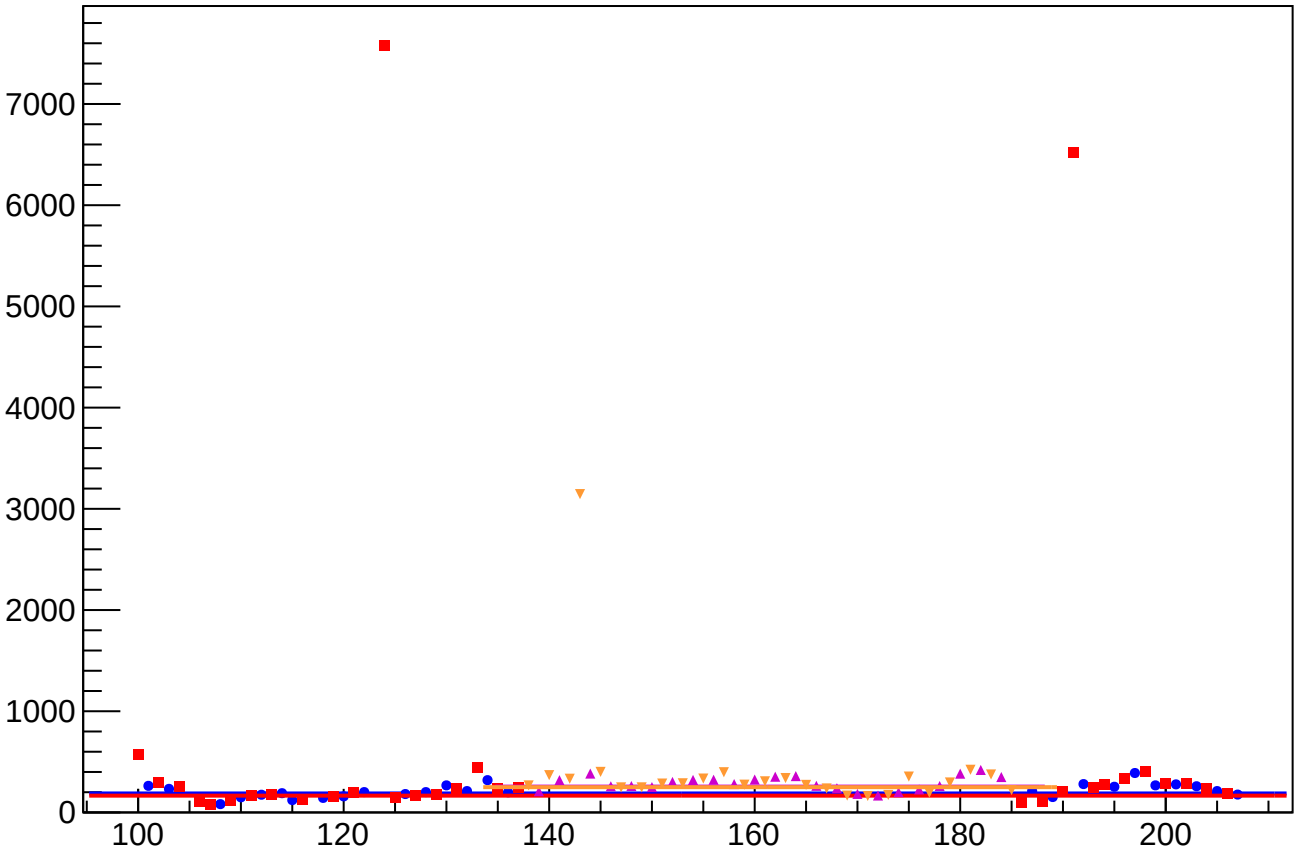
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.031+/-0.035 χ^2/NDF: 48.3/56

In: 0.075+/-0.040 χ^2/NDF:49.9/48

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.032+/-0.027 χ^2/NDF: 105.2/104



Right In: 187.719+/-0.037 χ^2/NDF: 2962978.1/25

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

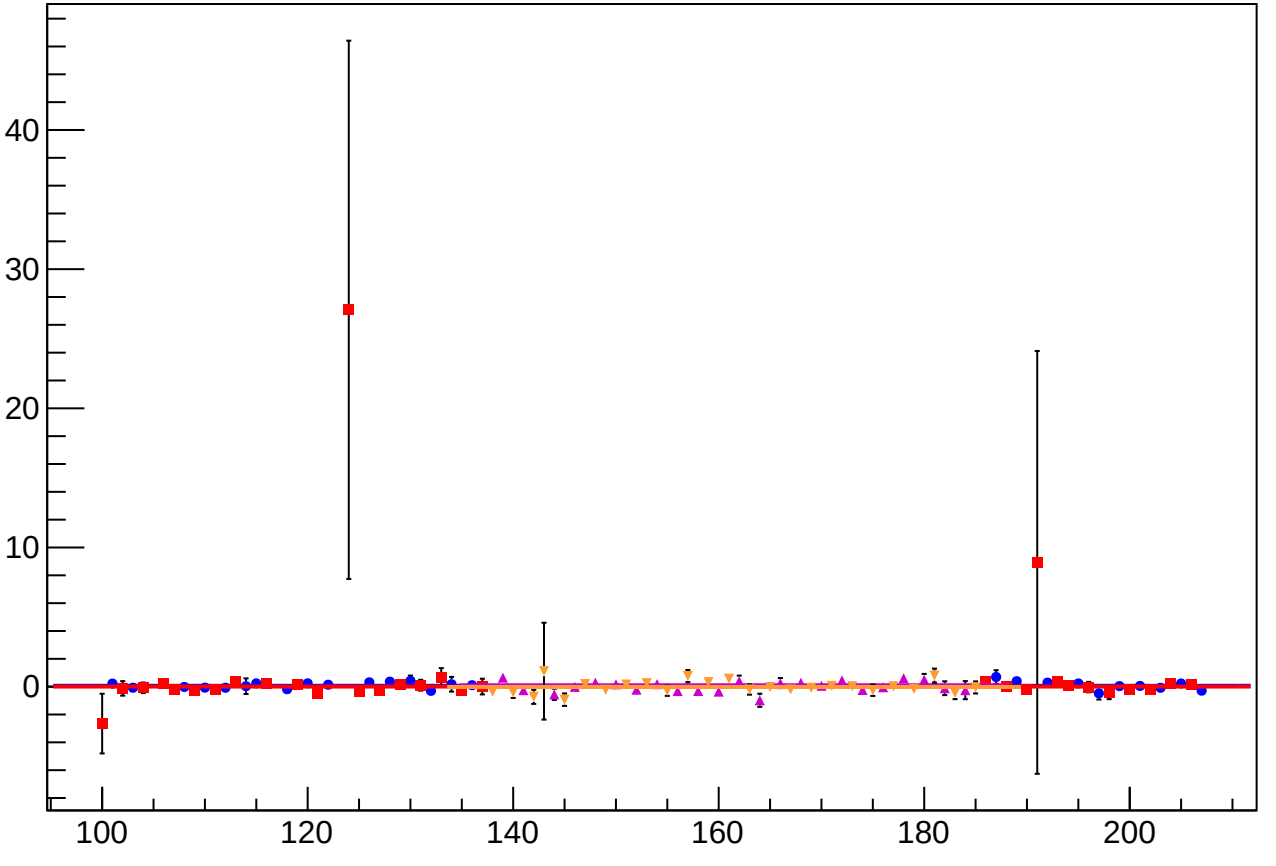
Right: 175.695+/-0.025 χ^2/NDF: 8451615.5/56

In: 215.439+/-0.029 χ^2/NDF:6432037.2/48

Out: 196.866+/-0.026 χ^2/NDF:11872482.5/55

All: 205.437+/-0.019 χ^2/NDF: 18532705.3/10

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.061+/-0.053 χ^2/NDF: 18.2/25

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

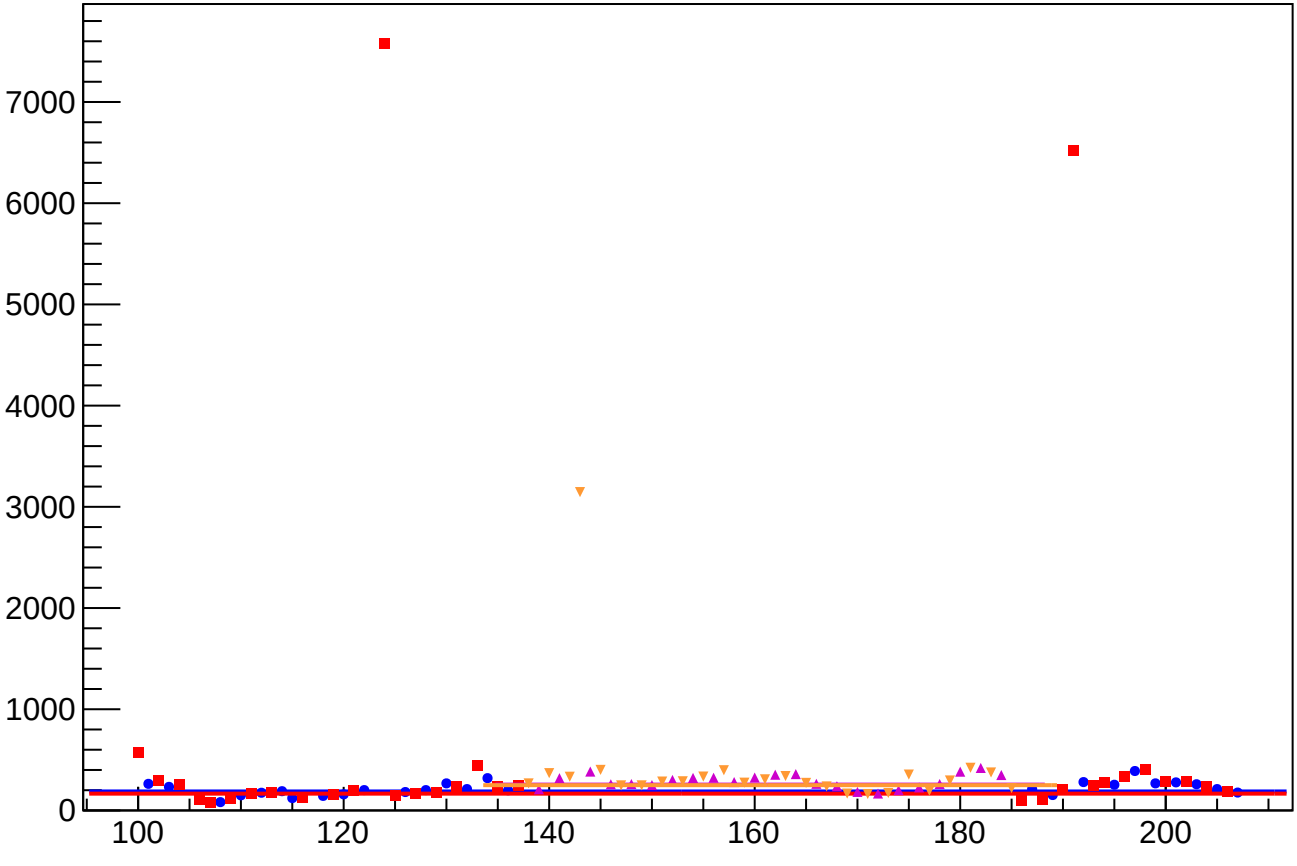
Right: 0.031+/-0.035 χ^2/NDF: 48.3/56

In: 0.075+/-0.040 χ^2/NDF:49.9/48

Out: -0.004+/-0.037 χ^2/NDF:53.2/55

All: 0.032+/-0.027 χ^2/NDF: 105.2/104

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 187.719+/-0.037 χ^2/NDF: 2962978.1/25

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

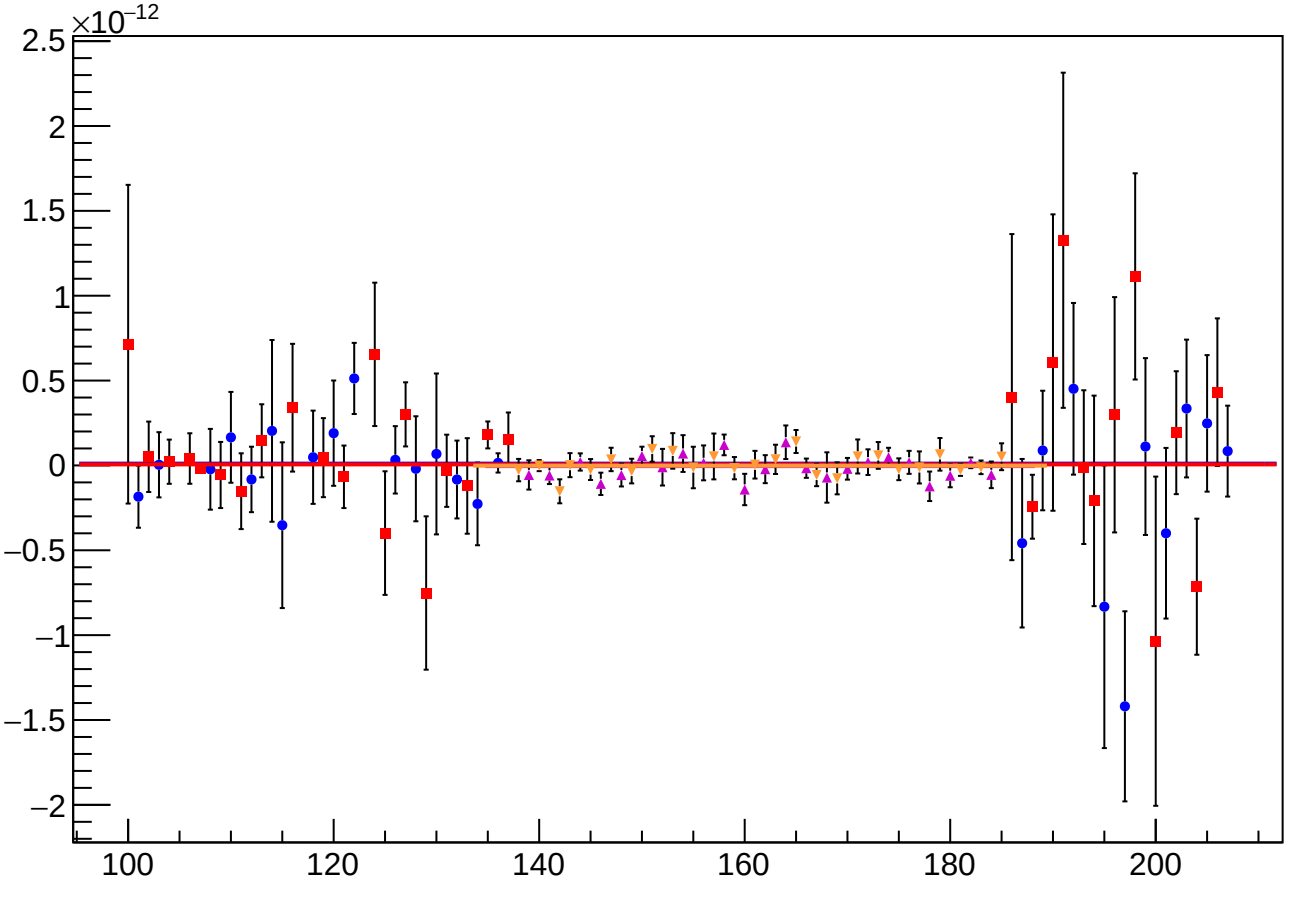
Right: 175.695+/-0.025 χ^2/NDF: 8451615.5/56

In: 215.439+/-0.029 χ^2/NDF:6432037.2/48

Out: 196.866+/-0.026 χ^2/NDF:11872482.5/55

All: 205.437+/-0.019 χ^2/NDF: 18532705.3/10

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.7/25

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

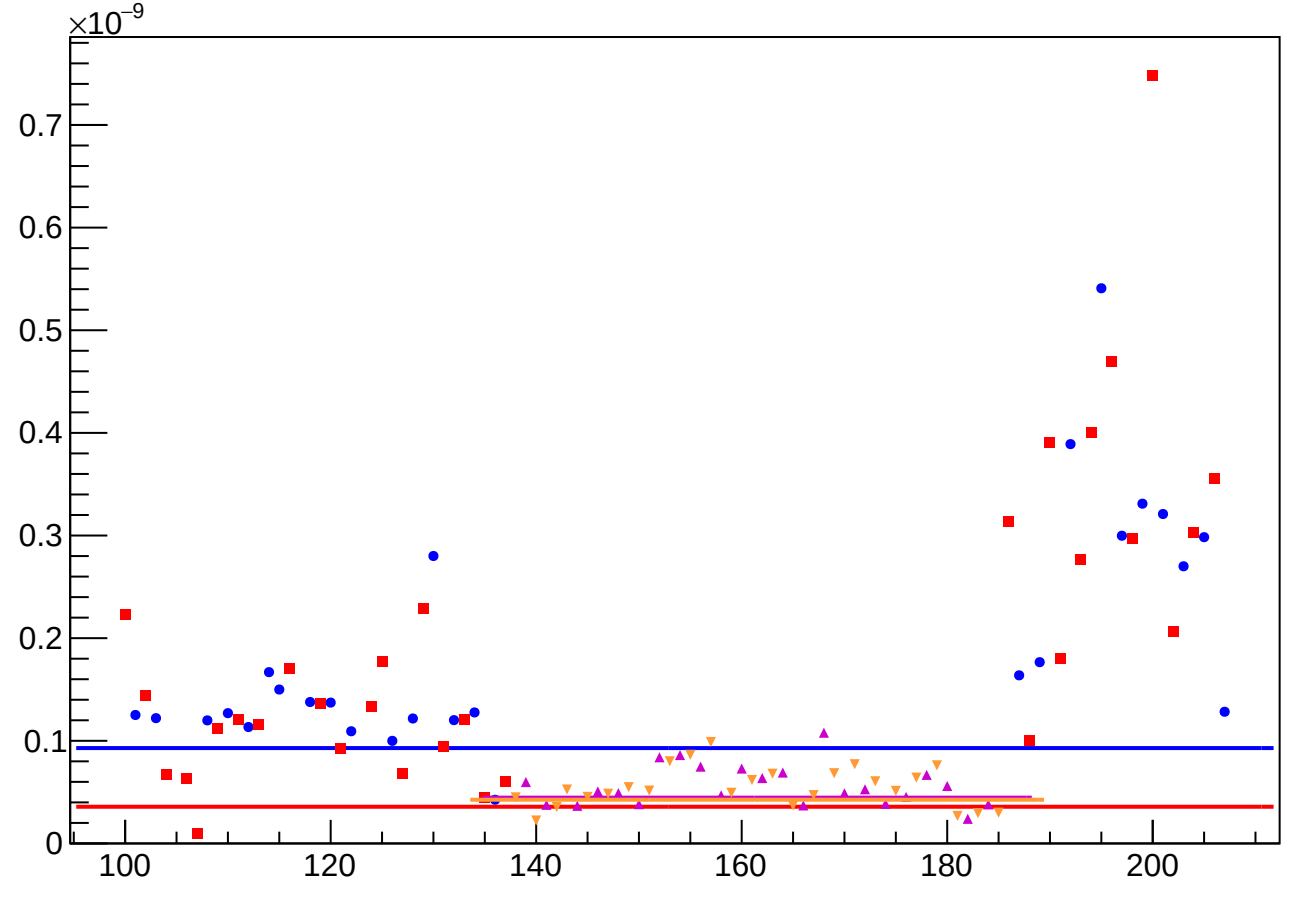
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 52.4/56

In: -0.000+/-0.000 χ^2/NDF:40.6/48

Out: 0.000+/-0.000 χ^2/NDF:48.2/55

All: -0.000+/-0.000 χ^2/NDF: 88.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 5793326.1/25

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

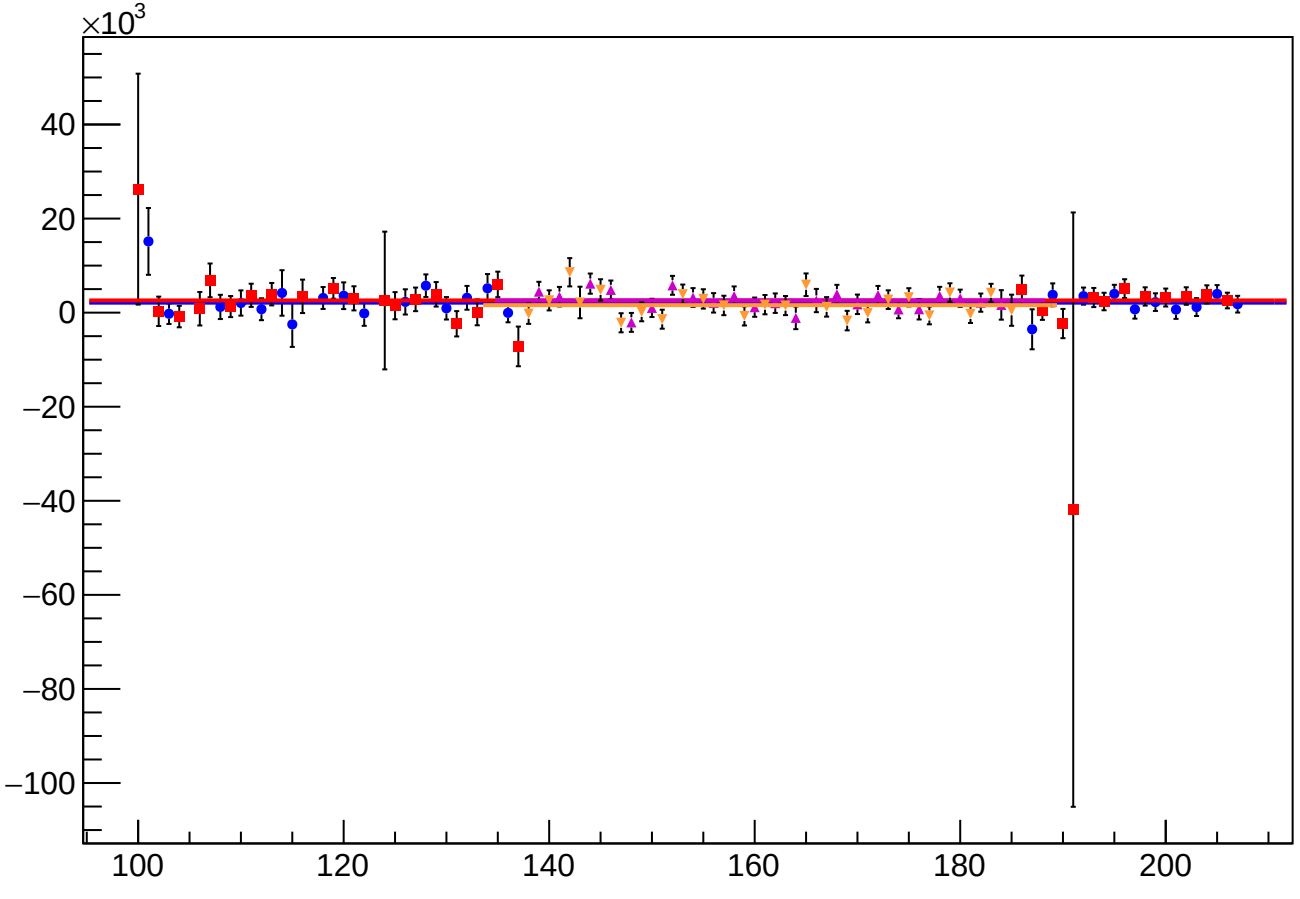
Left: 0.000+/-0.000 χ^2/NDF: 6543796.8/47

Right: 0.000+/-0.000 χ^2/NDF: 21153148.1/56

In: 0.000+/-0.000 χ^2/NDF:11223816.2/48

Out: 0.000+/-0.000 χ^2/NDF:16103150.7/55

All: 0.000+/-0.000 χ^2/NDF: 27836211.5/104



Right In: 2126.814+/-460.614 χ^2/NDF: 18.3/25

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

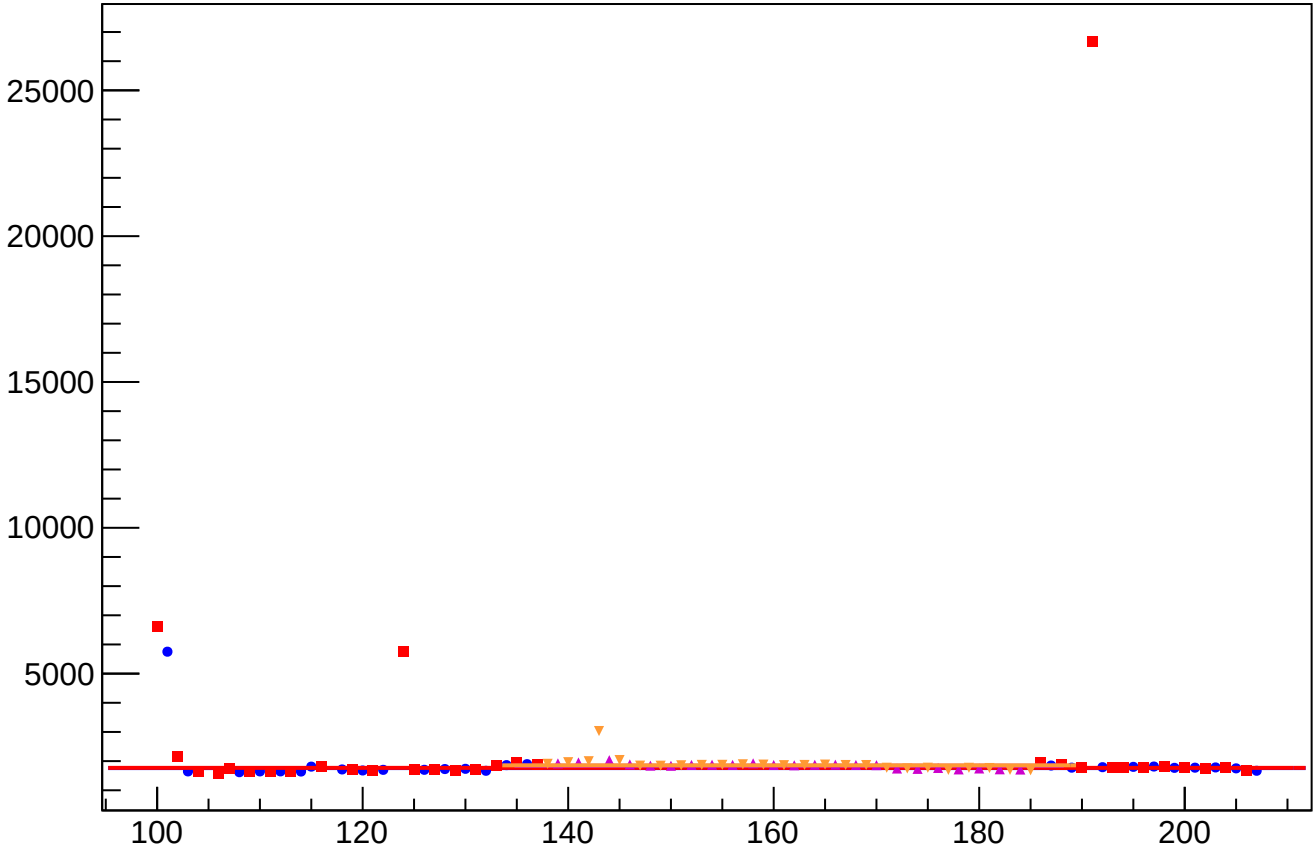
Right: 2369.679+/-320.211 χ^2/NDF: 45.6/56

In: 2378.286+/-314.436 χ^2/NDF:38.9/48

Out: 2069.041+/-306.853 χ^2/NDF:60.7/55

All: 2219.889+/-219.610 χ^2/NDF: 100.2/104

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1761.241+/-0.326 χ^2/NDF: 680718.2/25

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

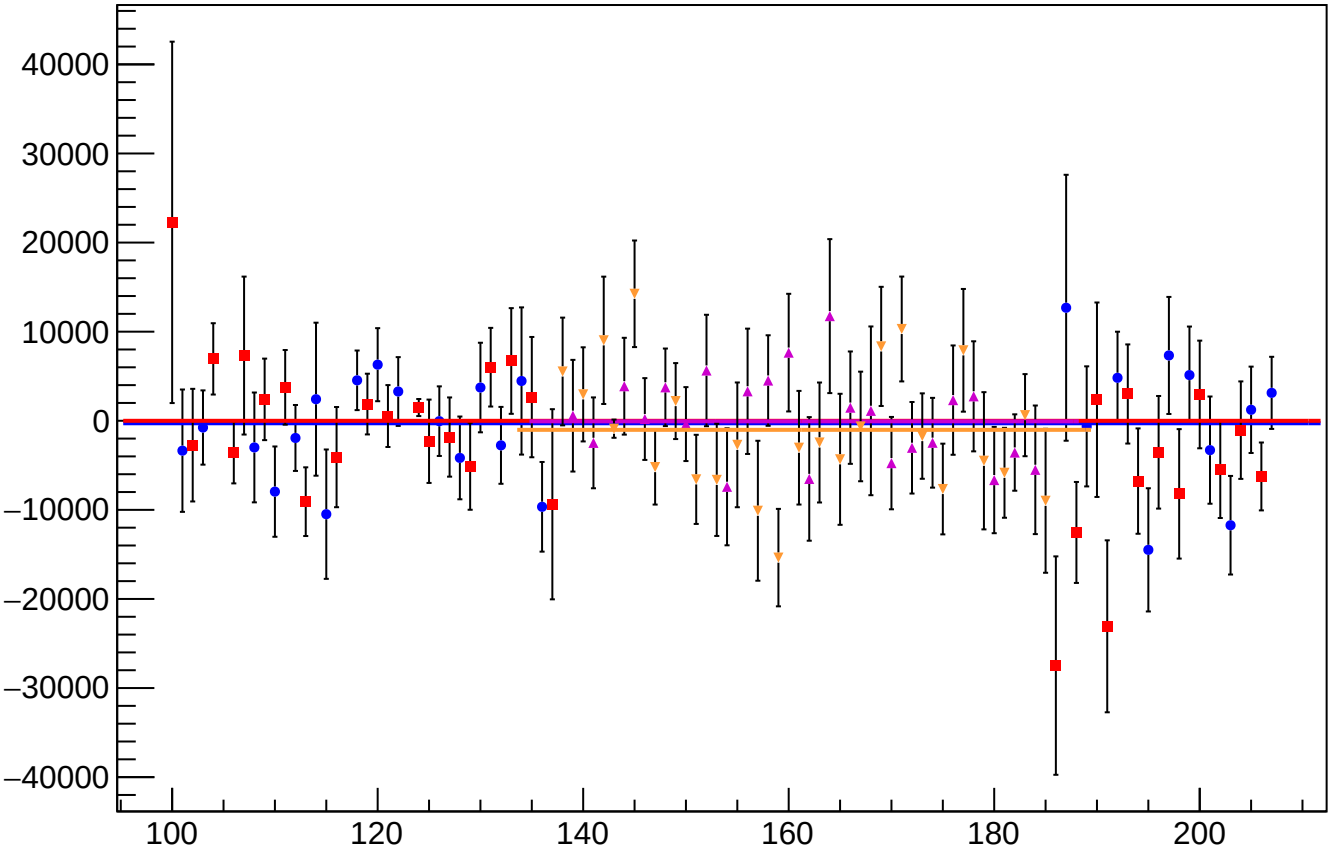
Right: 1764.958+/-0.226 χ^2/NDF: 1327054.0/56

In: 1803.822+/-0.222 χ^2/NDF:783711.3/48

Out: 1814.059+/-0.217 χ^2/NDF:1010722.1/55

All: 1809.073+/-0.155 χ^2/NDF: 1795520.9/10

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -280.999+/-985.063 χ^2/NDF: 29.6/25

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

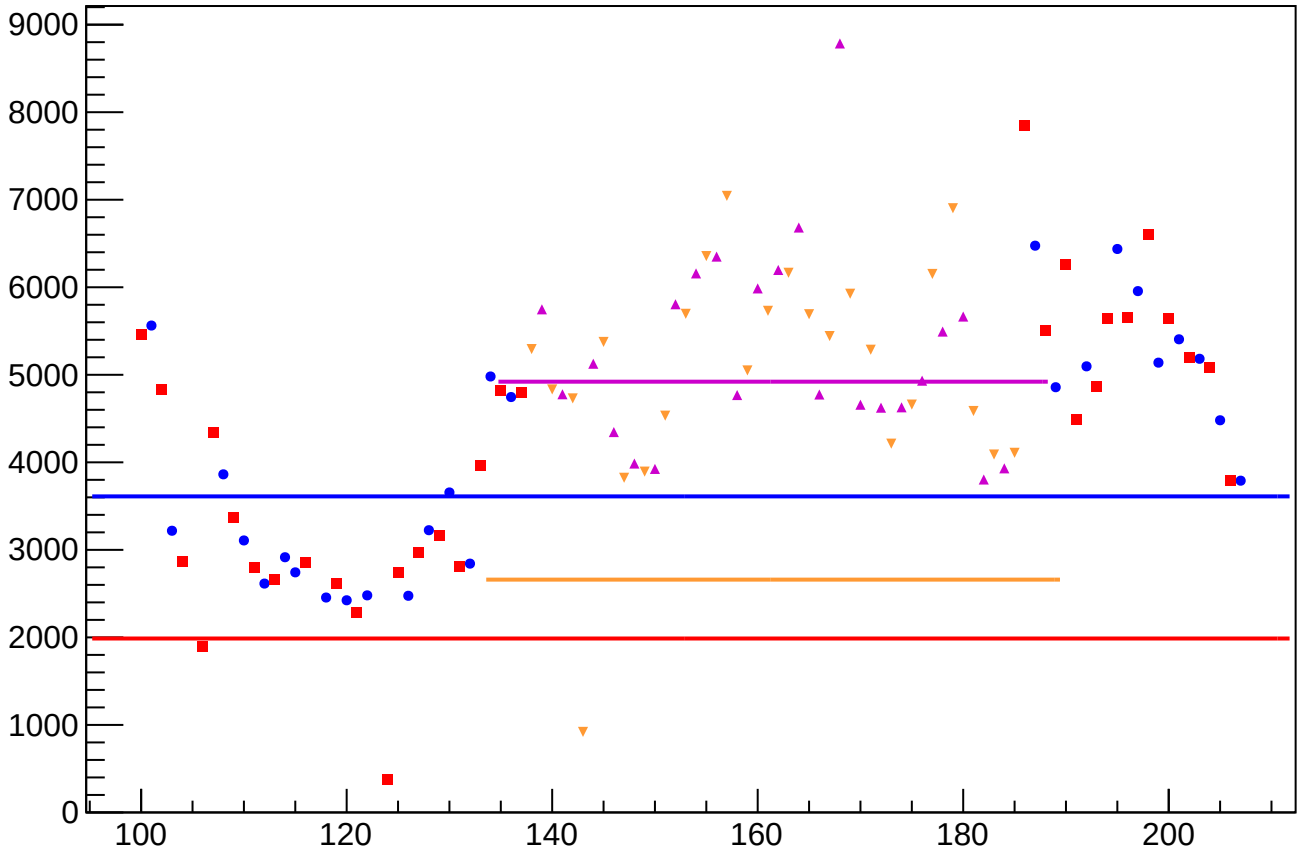
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: -92.543+/-554.378 χ^2/NDF: 74.0/56

In: -190.620+/-754.463 χ^2/NDF:42.6/48

Out: -441.293+/-506.245 χ^2/NDF:79.1/55

All: -363.469+/-420.379 χ^2/NDF: 121.8/104



Right In: 3610.937+/-0.697 χ^2/NDF: 2831341.3/25

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

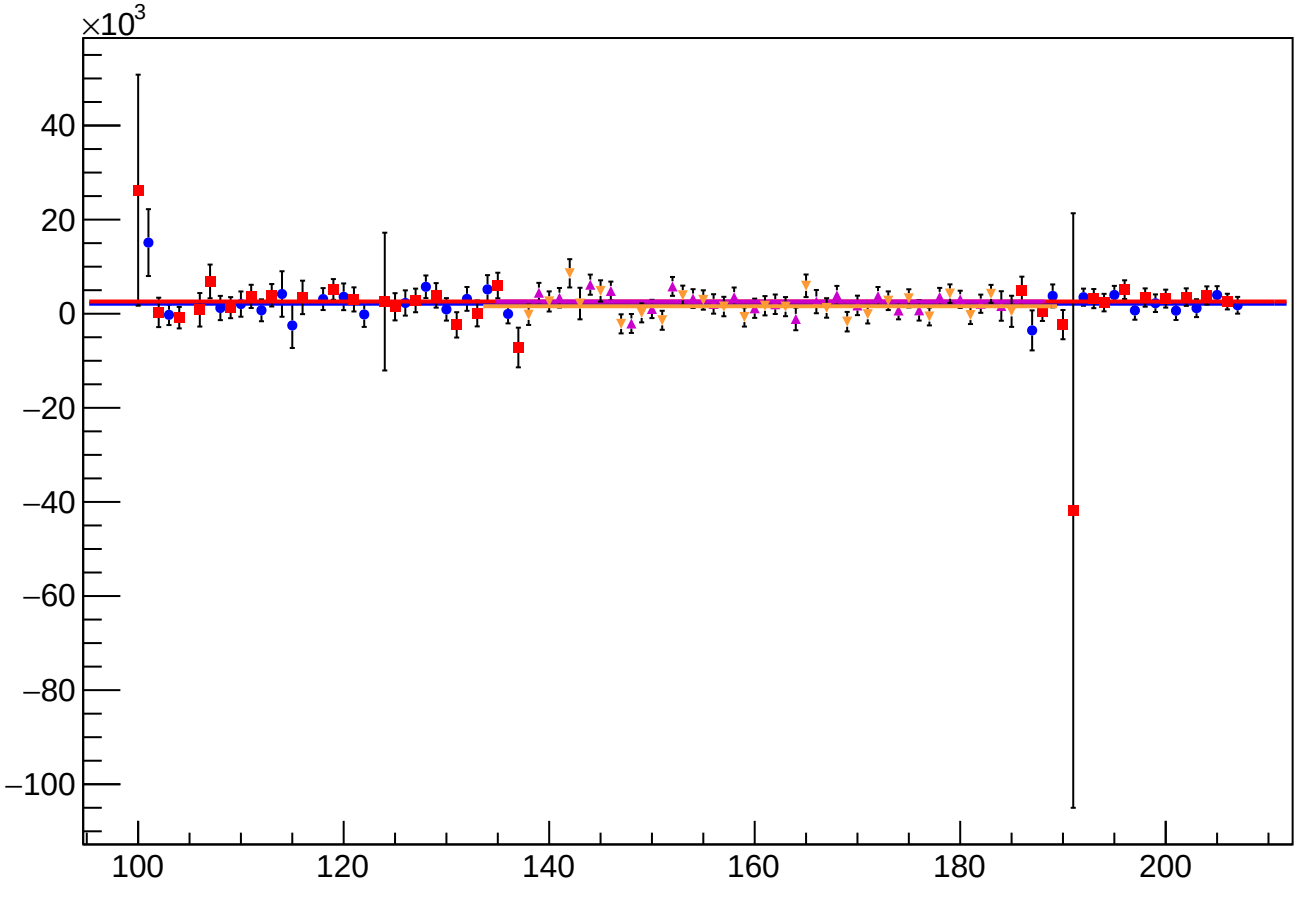
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2501.519+/-0.392 χ^2/NDF: 21392898.7/56

In: 4152.638+/-0.533 χ^2/NDF:5545515.6/48

Out: 2276.691+/-0.358 χ^2/NDF:30250666.8/55

All: 2859.097+/-0.297 χ^2/NDF: 44322370.2/



Right In: 2126.624+/-460.614 χ^2/NDF: 18.3/25

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

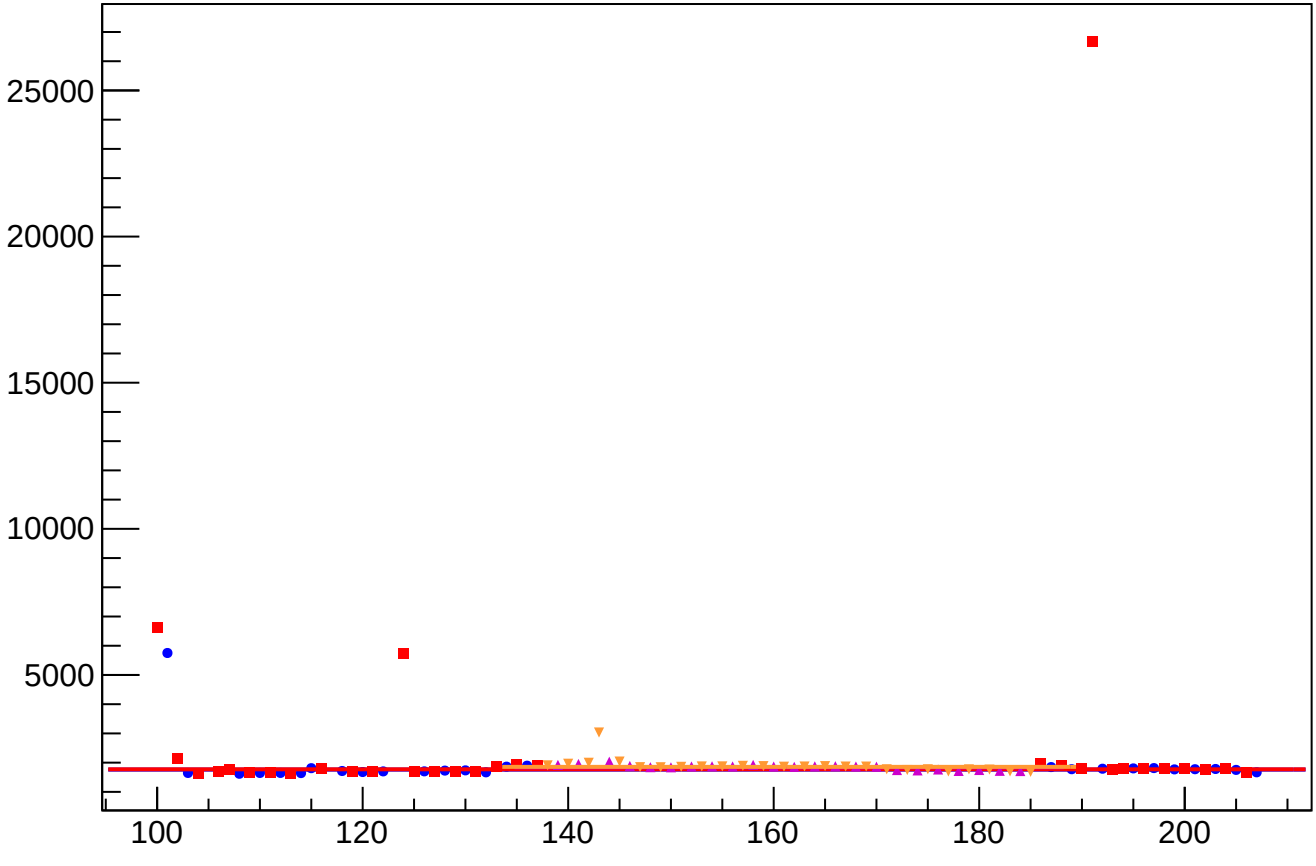
Right: 2369.591+/-320.211 χ^2/NDF: 45.6/56

In: 2378.236+/-314.436 χ^2/NDF:38.9/48

Out: 2069.027+/-306.853 χ^2/NDF:60.7/55

All: 2219.857+/-219.610 χ^2/NDF: 100.1/104

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1761.241+/-0.326 χ^2/NDF: 680718.4/25

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

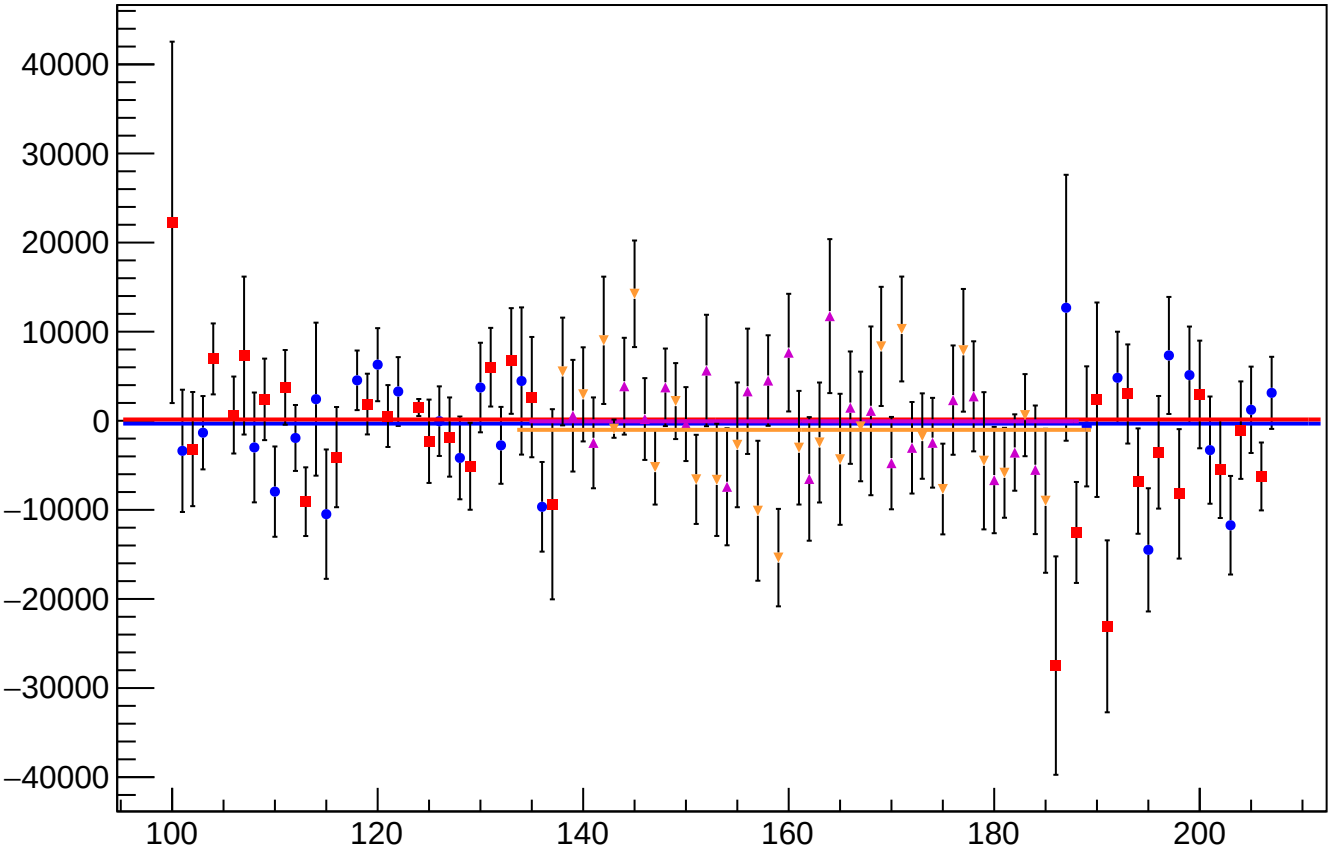
Right: 1766.612+/-0.226 χ^2/NDF: 1318949.7/56

In: 1803.822+/-0.222 χ^2/NDF:783711.7/48

Out: 1815.656+/-0.217 χ^2/NDF:999360.6/55

All: 1809.888+/-0.155 χ^2/NDF: 1784524.7/10

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -315.480+/-984.349 χ^2/NDF: 29.6/25

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

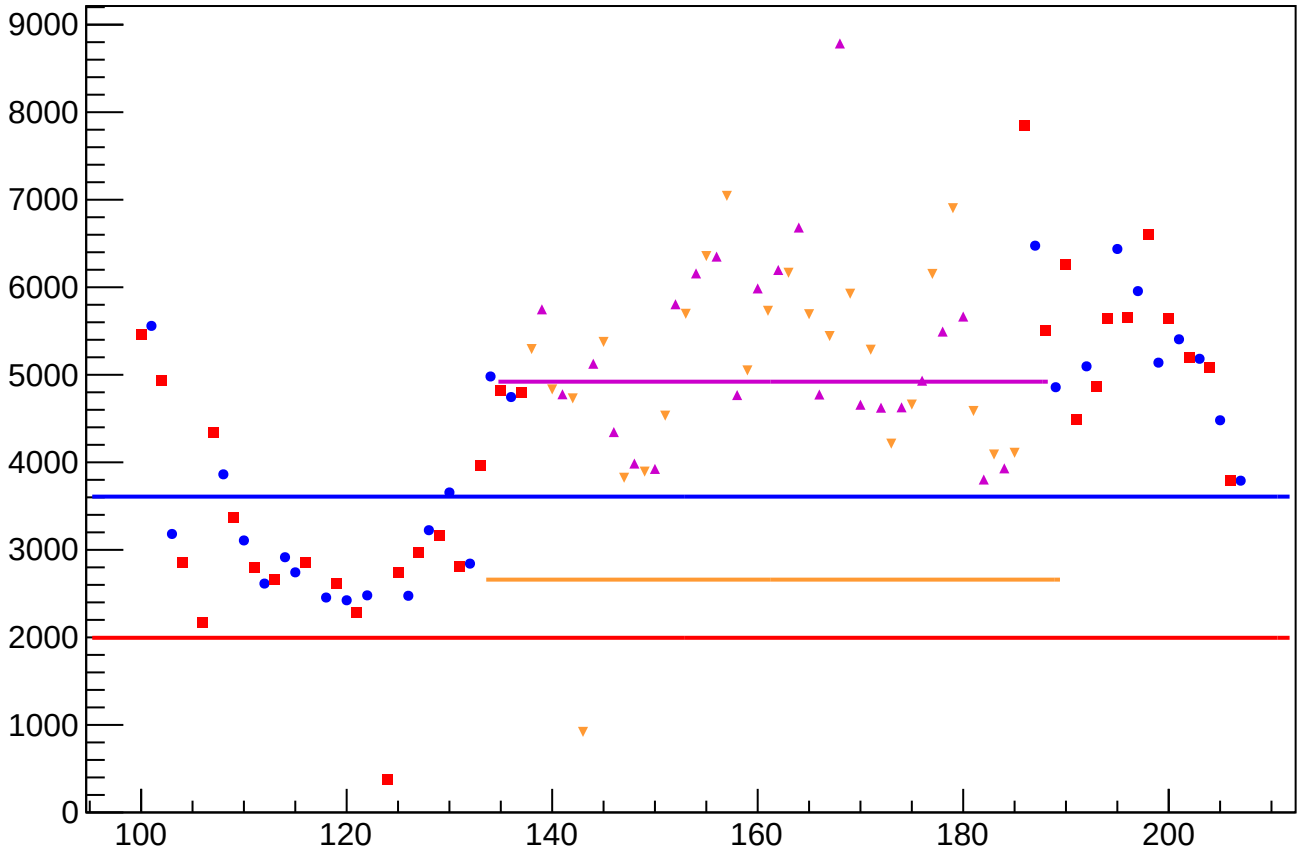
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: -3.382+/-556.787 χ^2/NDF: 73.2/56

In: -210.900+/-754.142 χ^2/NDF:42.7/48

Out: -360.371+/-508.171 χ^2/NDF:78.4/55

All: -313.696+/-421.423 χ^2/NDF: 121.1/104



Right In: 3608.254+/-0.696 χ^2/NDF: 2834915.6/25

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

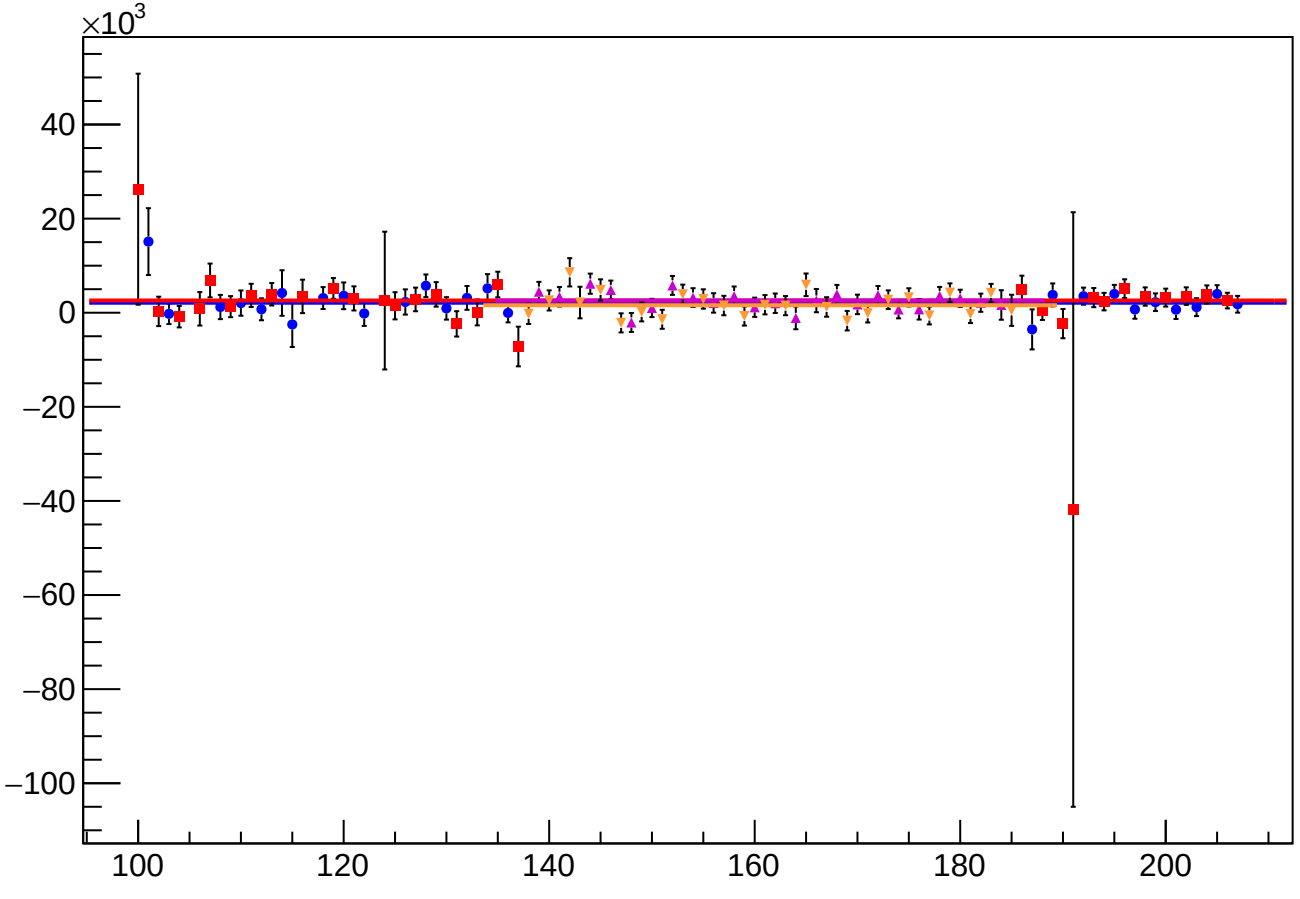
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2511.411+/-0.394 χ^2/NDF: 21352623.3/56

In: 4150.602+/-0.533 χ^2/NDF:5555969.4/48

Out: 2283.463+/-0.359 χ^2/NDF:30242884.9/55

All: 2866.515+/-0.298 χ^2/NDF: 44230160.1/1



Right In: 2126.624+/-460.614 χ^2/NDF: 18.3/25

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

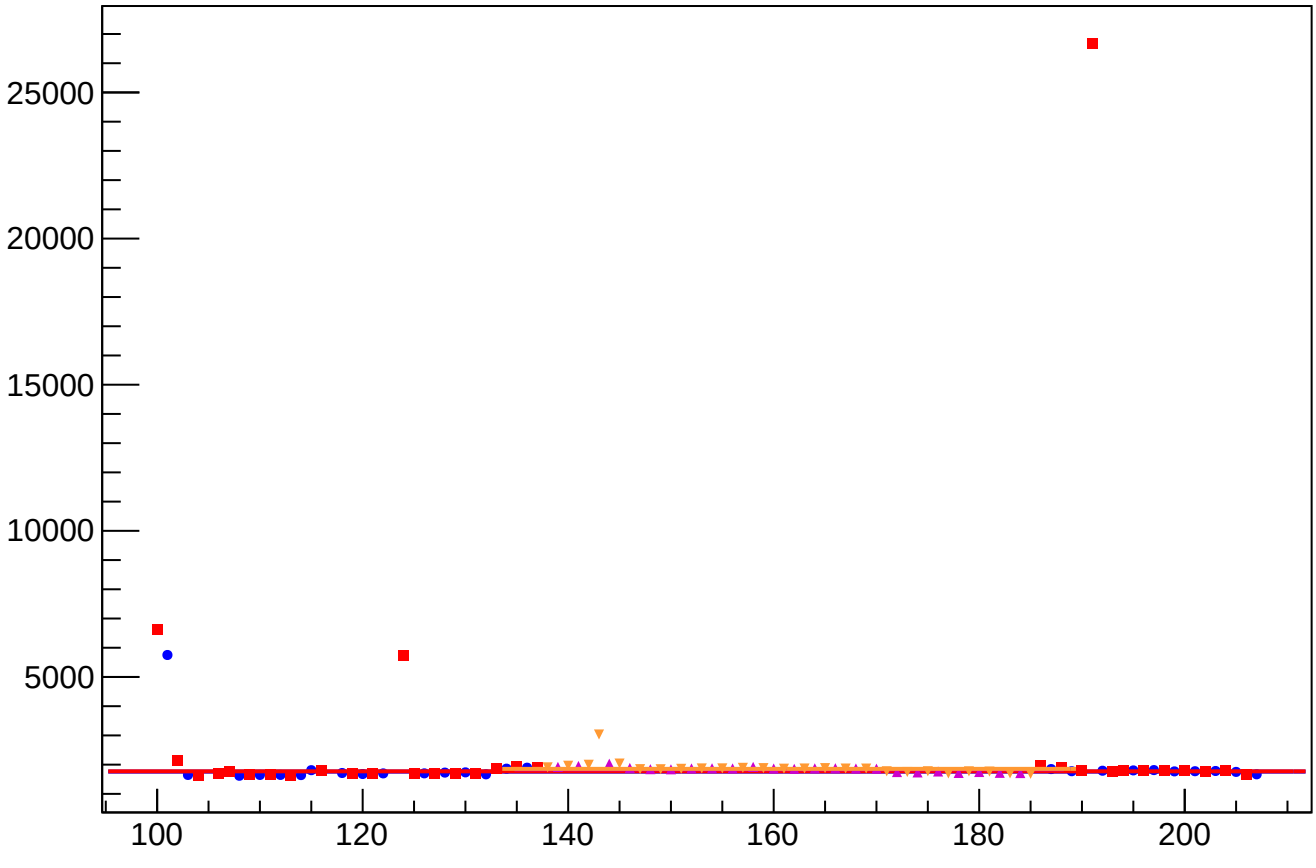
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2369.591+/-320.211 χ^2/NDF: 45.6/56

In: 2378.236+/-314.436 χ^2/NDF:38.9/48

Out: 2069.027+/-306.853 χ^2/NDF:60.7/55

All: 2219.857+/-219.610 χ^2/NDF: 100.1/104



Right In: 1761.241+/-0.326 χ^2/NDF: 680718.4/25

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

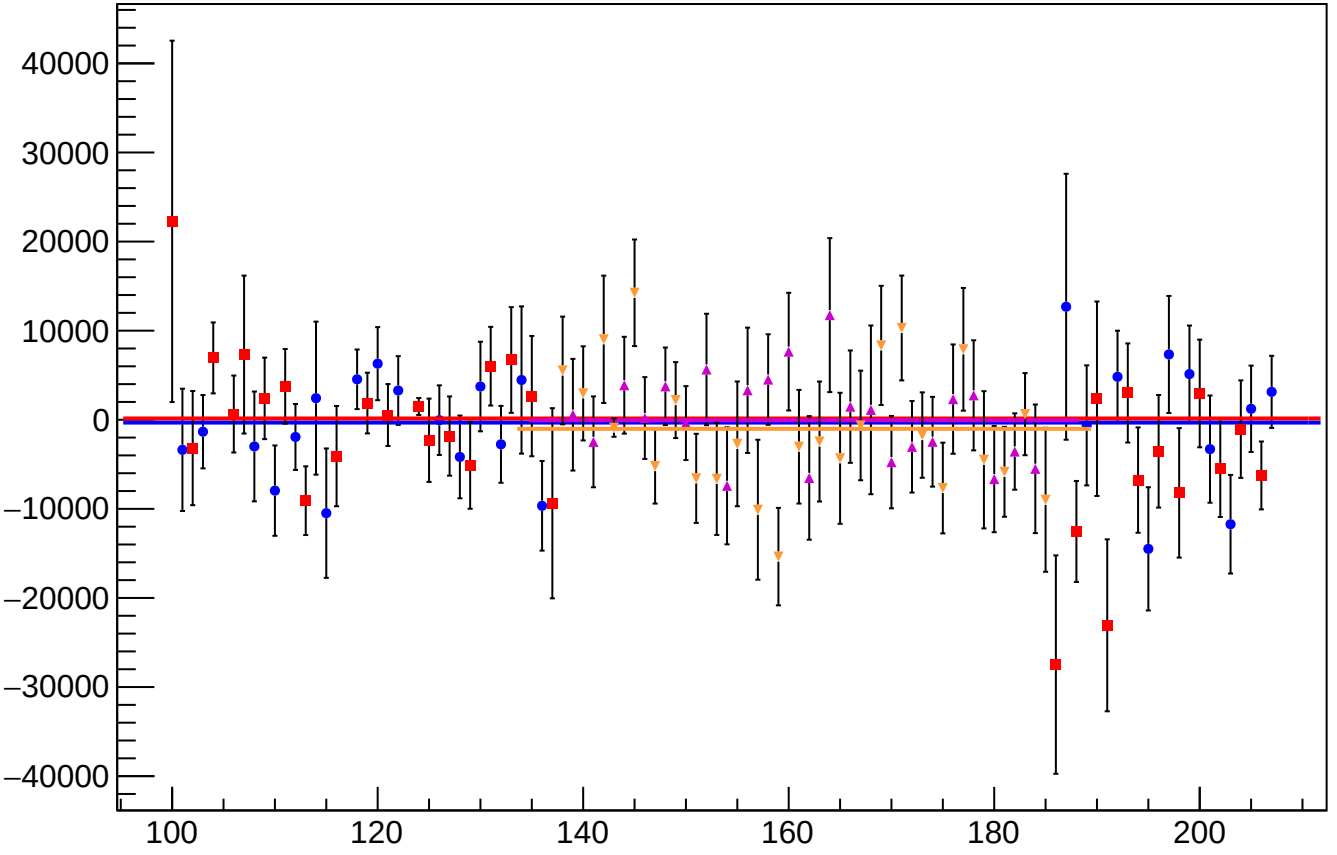
Right: 1766.612+/-0.226 χ^2/NDF: 1318949.7/56

In: 1803.822+/-0.222 χ^2/NDF:783711.7/48

Out: 1815.656+/-0.217 χ^2/NDF:999360.6/55

All: 1809.888+/-0.155 χ^2/NDF: 1784524.7/10

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -315.480+/-984.349 χ^2/NDF: 29.6/25

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

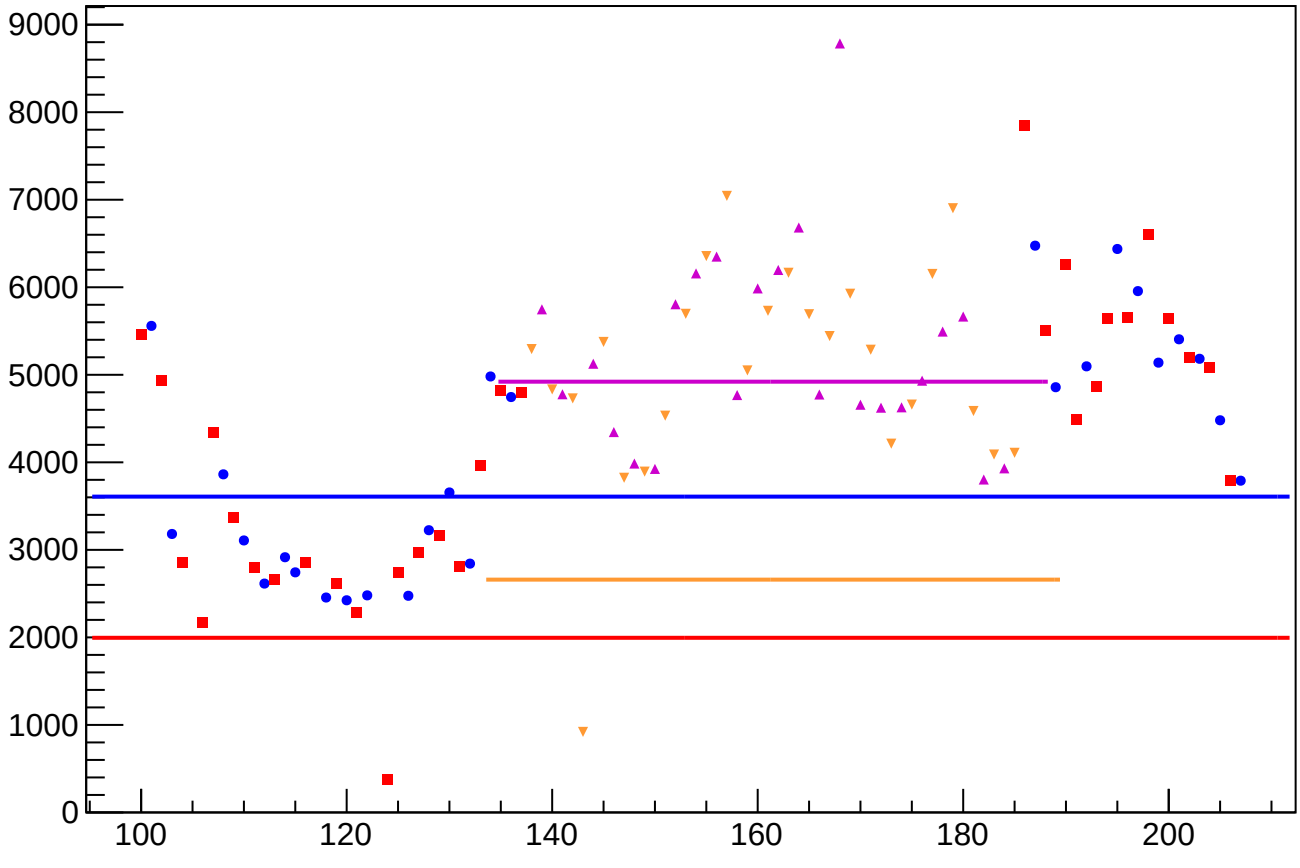
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: -3.382+/-556.787 χ^2/NDF: 73.2/56

In: -210.900+/-754.142 χ^2/NDF:42.7/48

Out: -360.371+/-508.171 χ^2/NDF:78.4/55

All: -313.696+/-421.423 χ^2/NDF: 121.1/104



Right In: 3608.254+/-0.696 χ^2/NDF: 2834915.6/25

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

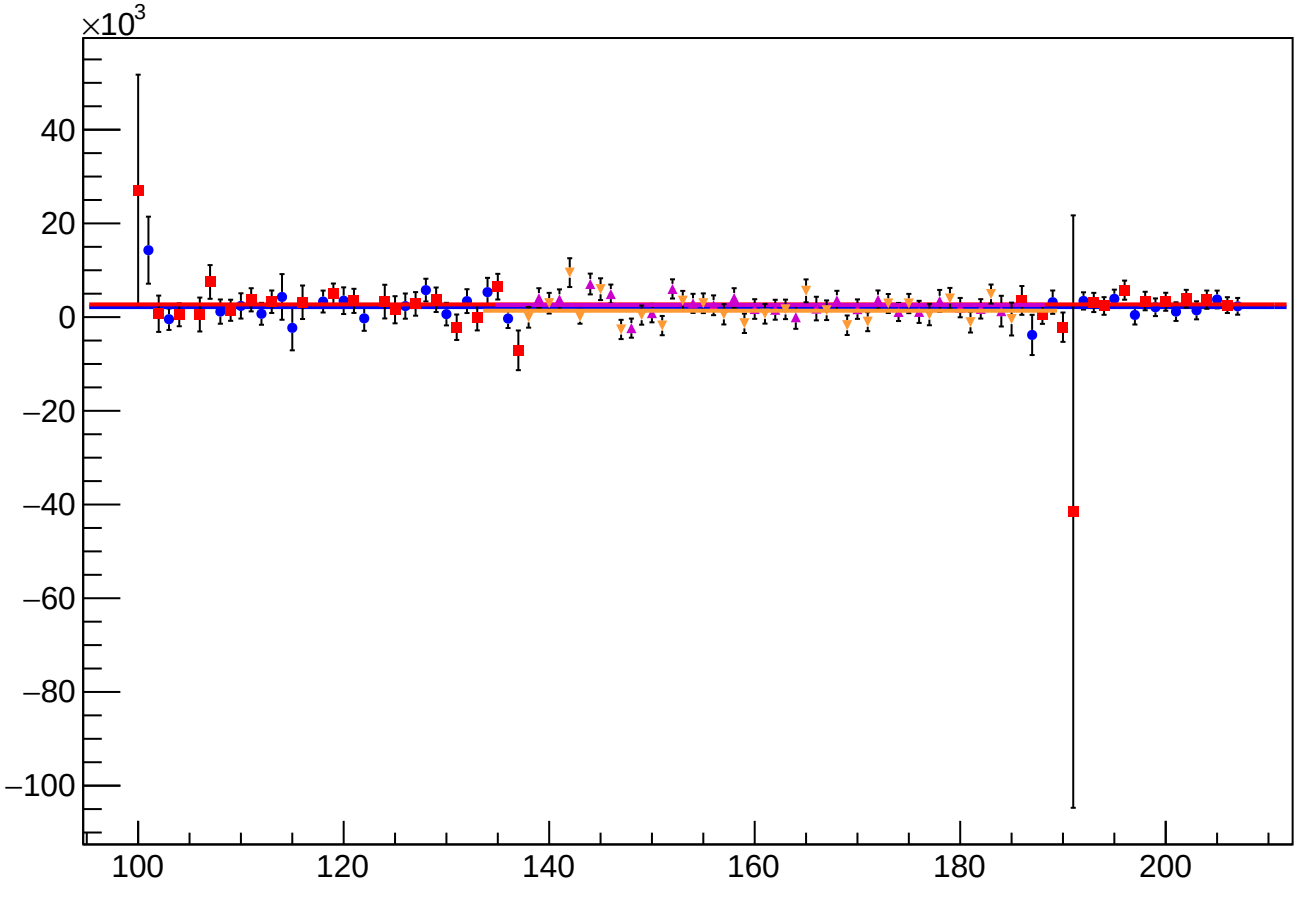
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2511.411+/-0.394 χ^2/NDF: 21352623.3/56

In: 4150.602+/-0.533 χ^2/NDF:5555969.4/48

Out: 2283.463+/-0.359 χ^2/NDF:30242884.9/55

All: 2866.515+/-0.298 χ^2/NDF: 44230160.1/



Right In: 2139.785+/-465.819 χ^2/NDF: 17.7/25

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

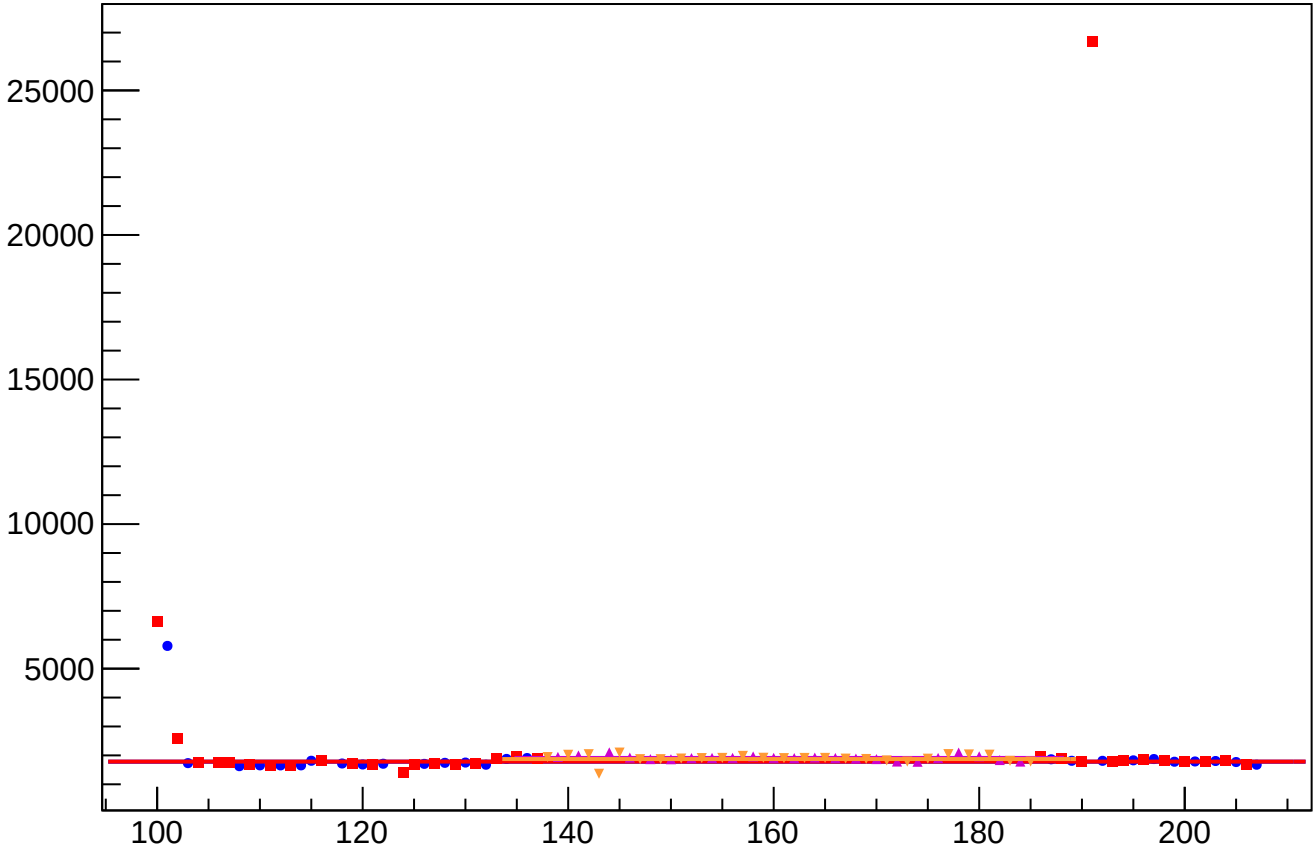
Right: 2437.254+/-323.202 χ^2/NDF: 43.6/56

In: 2380.986+/-322.427 χ^2/NDF:38.3/48

Out: 2005.582+/-309.483 χ^2/NDF:66.0/55

All: 2185.598+/-223.274 χ^2/NDF: 104.9/104

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1780.881+/-0.329 χ^2/NDF: 682190.2/25

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

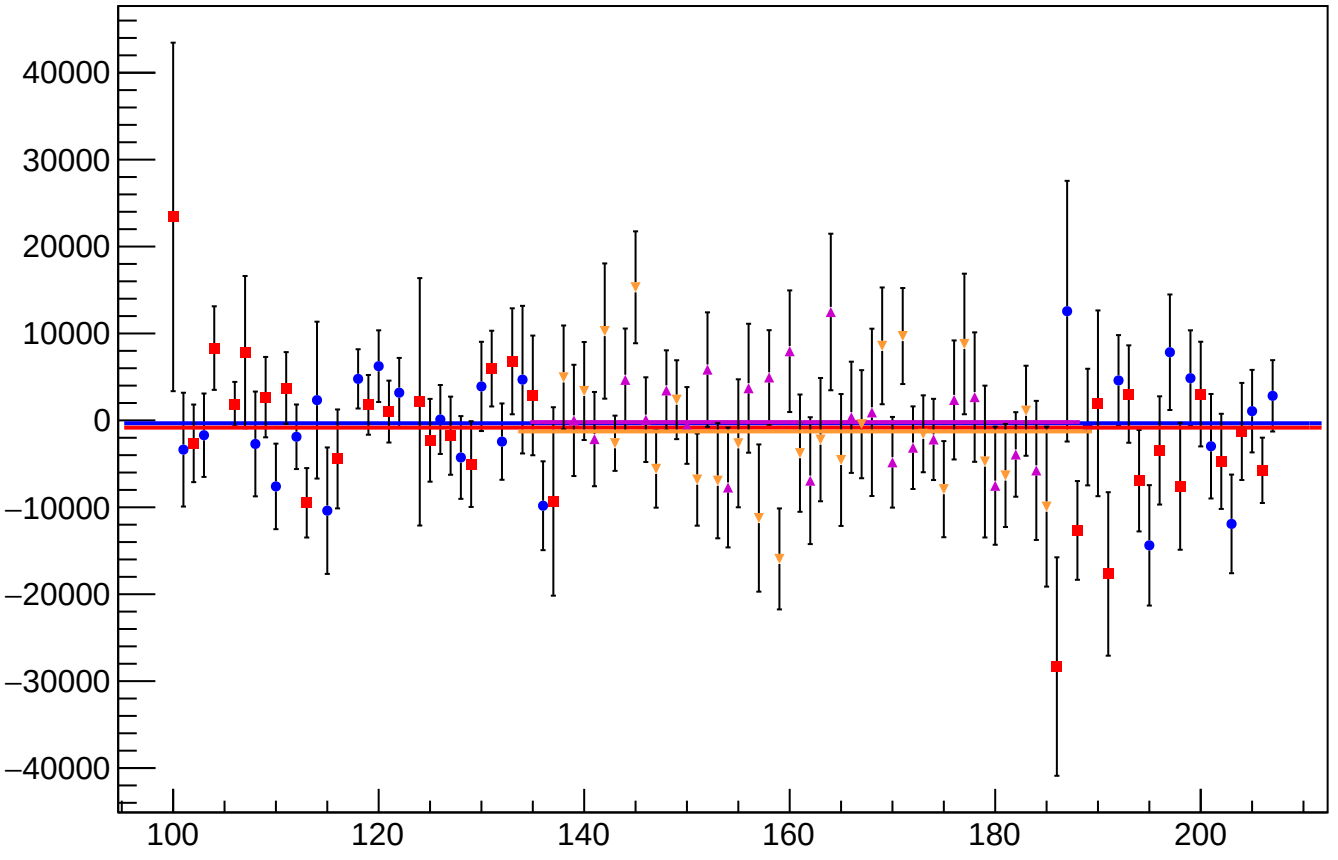
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1783.208+/-0.228 χ^2/NDF: 1243443.1/56

In: 1848.880+/-0.228 χ^2/NDF:823148.1/48

Out: 1831.367+/-0.219 χ^2/NDF:911102.8/55

All: 1839.760+/-0.158 χ^2/NDF: 1737323.9/10



Right In: -331.992+/-1000.759 χ^2/NDF: 28.9/25

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

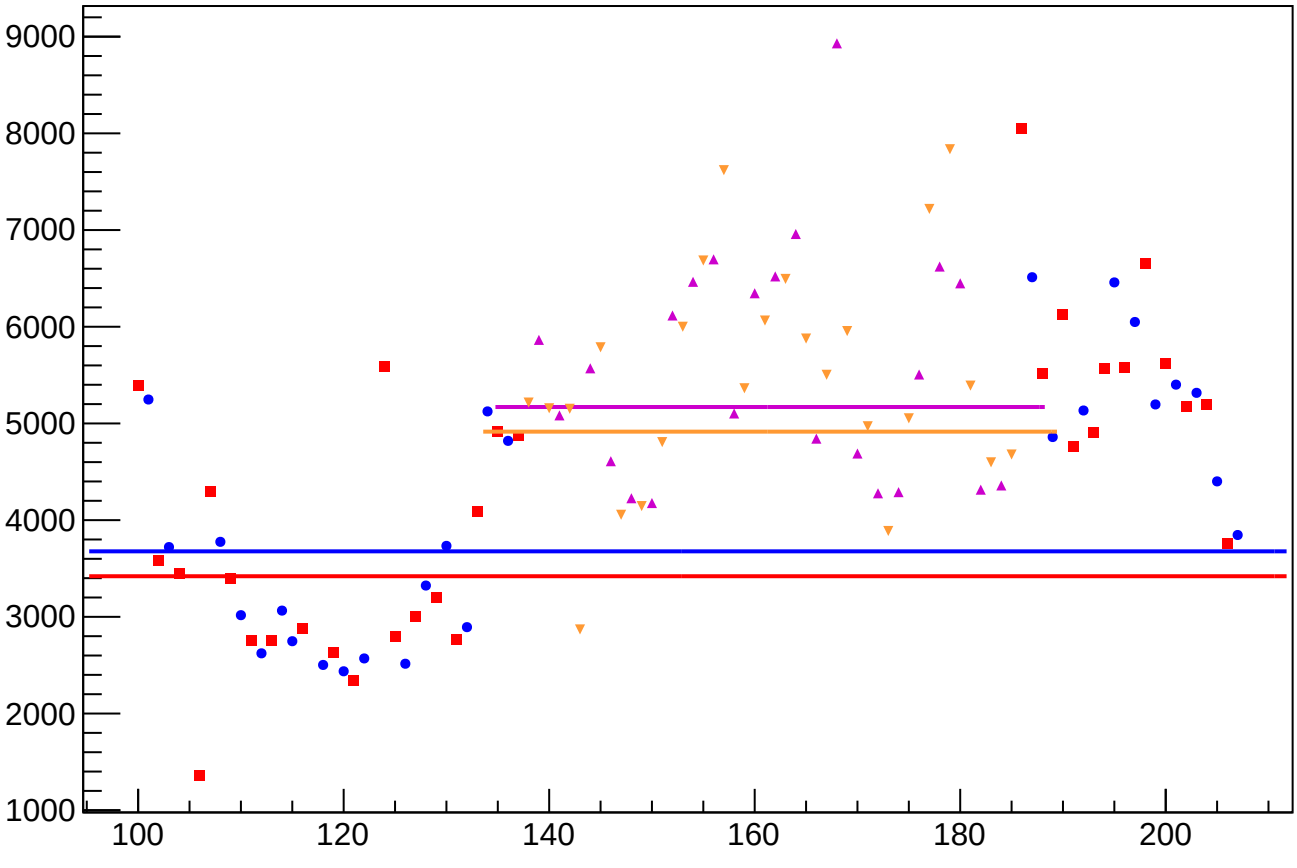
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -605.105+/-674.233 χ^2/NDF: 67.6/56

In: -278.429+/-777.412 χ^2/NDF:41.7/48

Out: -1000.067+/-716.217 χ^2/NDF:72.0/55

All: -668.764+/-526.750 χ^2/NDF: 114.2/104



Right In: 3677.359+/-0.708 χ^2/NDF: 2731255.6/25

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

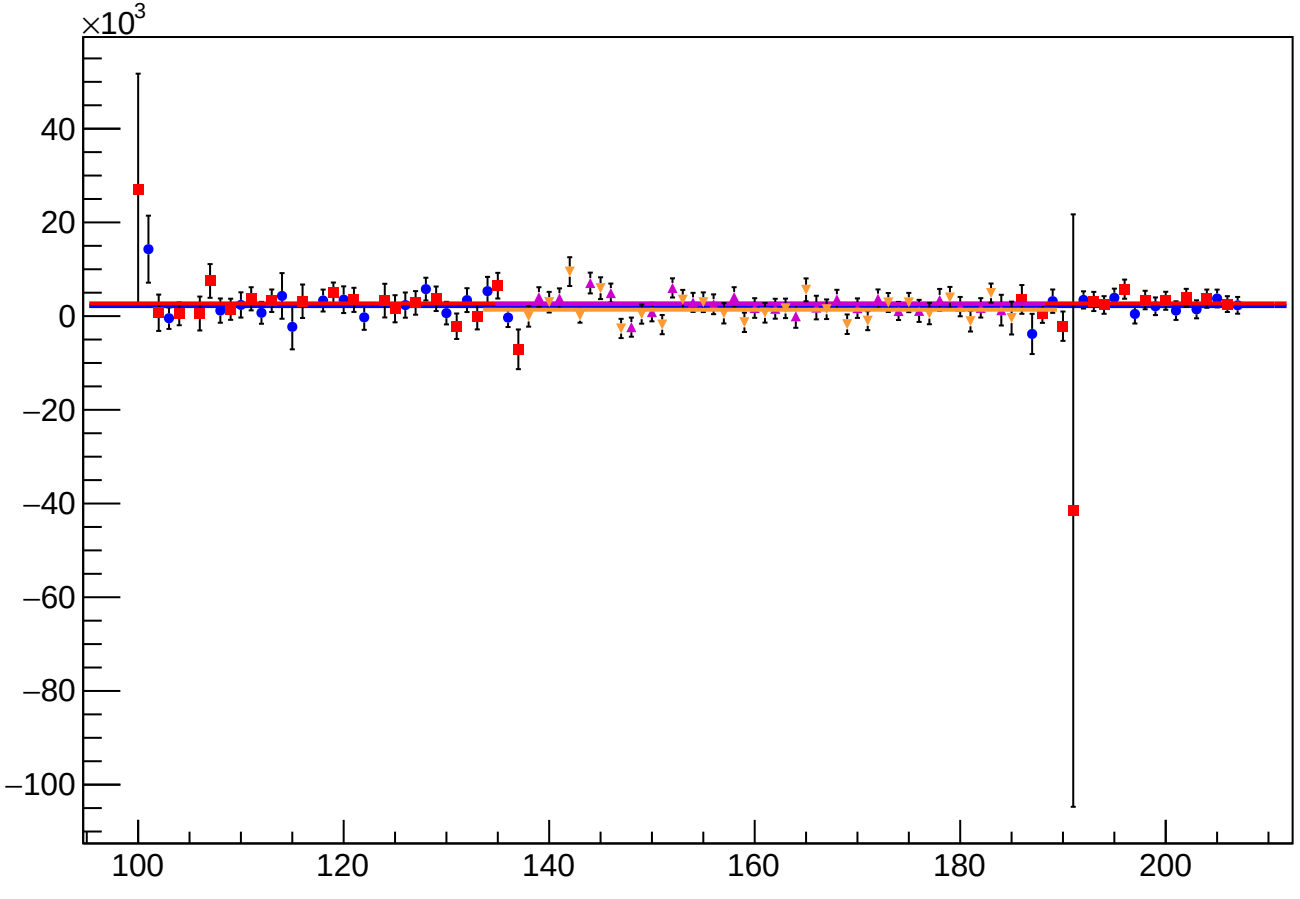
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3536.807+/-0.477 χ^2/NDF: 7316465.1/56

In: 4269.271+/-0.550 χ^2/NDF:5844346.1/48

Out: 3993.826+/-0.506 χ^2/NDF:8740724.3/55

All: 4120.282+/-0.372 χ^2/NDF: 14720875.4/1



Right In: 2139.786+/-465.819 χ^2/NDF: 17.7/25

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

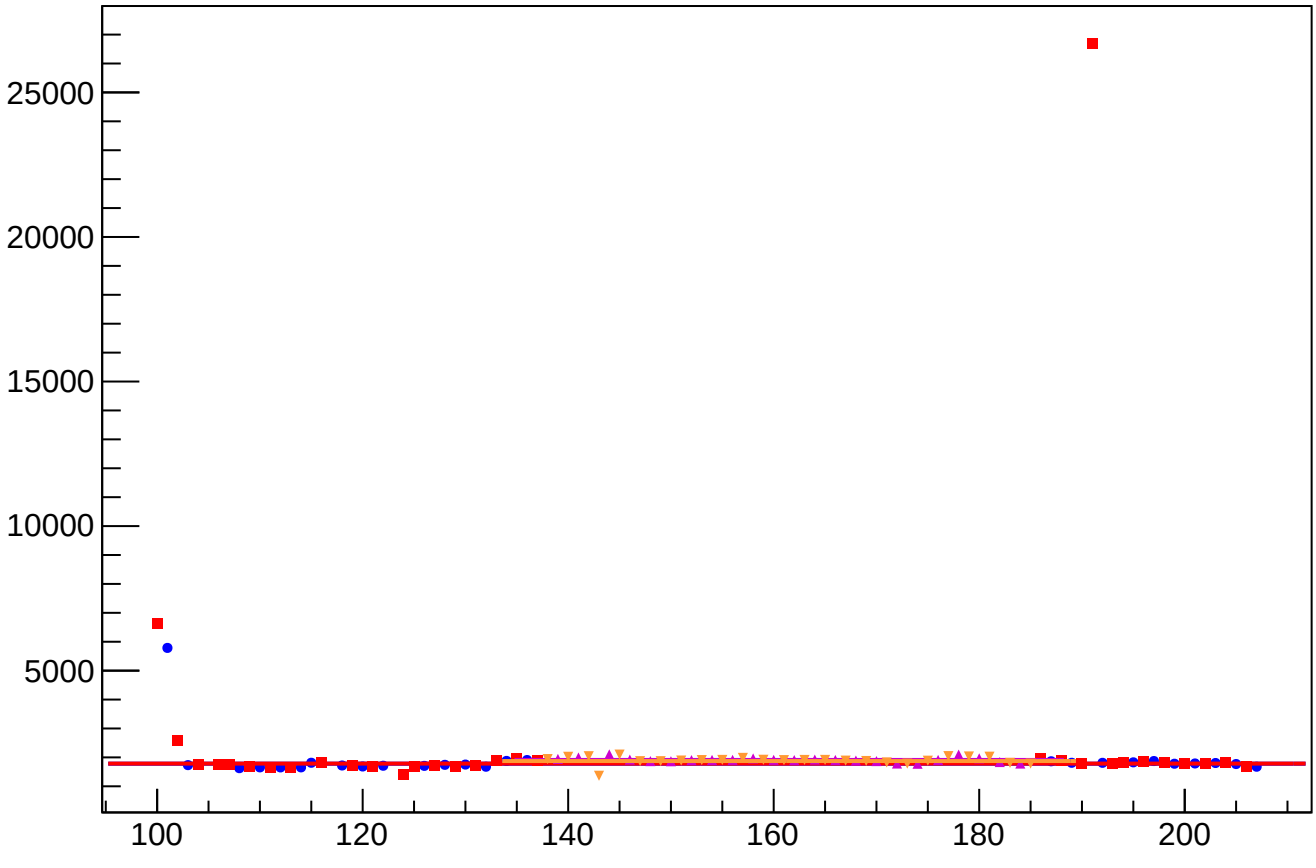
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2437.253+/-323.202 χ^2/NDF: 43.6/56

In: 2380.986+/-322.427 χ^2/NDF:38.3/48

Out: 2005.580+/-309.483 χ^2/NDF:66.0/55

All: 2185.596+/-223.274 χ^2/NDF: 104.9/104



Right In: 1780.881+/-0.329 χ^2/NDF: 682190.2/25

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

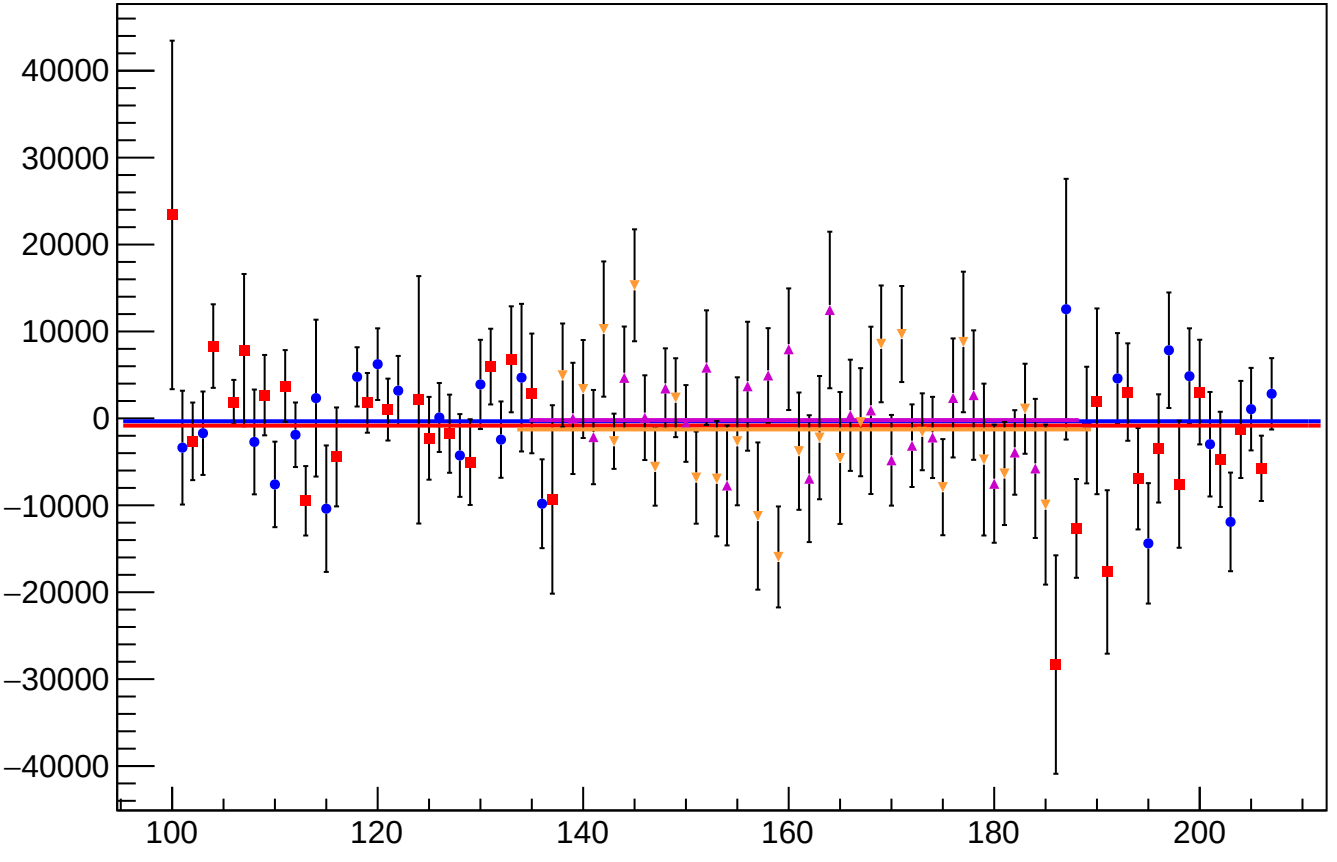
Right: 1783.208+/-0.228 χ^2/NDF: 1243443.3/56

In: 1848.881+/-0.228 χ^2/NDF:823151.7/48

Out: 1831.367+/-0.219 χ^2/NDF:911107.3/55

All: 1839.760+/-0.158 χ^2/NDF: 1737332.0/10

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -331.987+/-1000.757 χ^2/NDF: 28.9/25

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

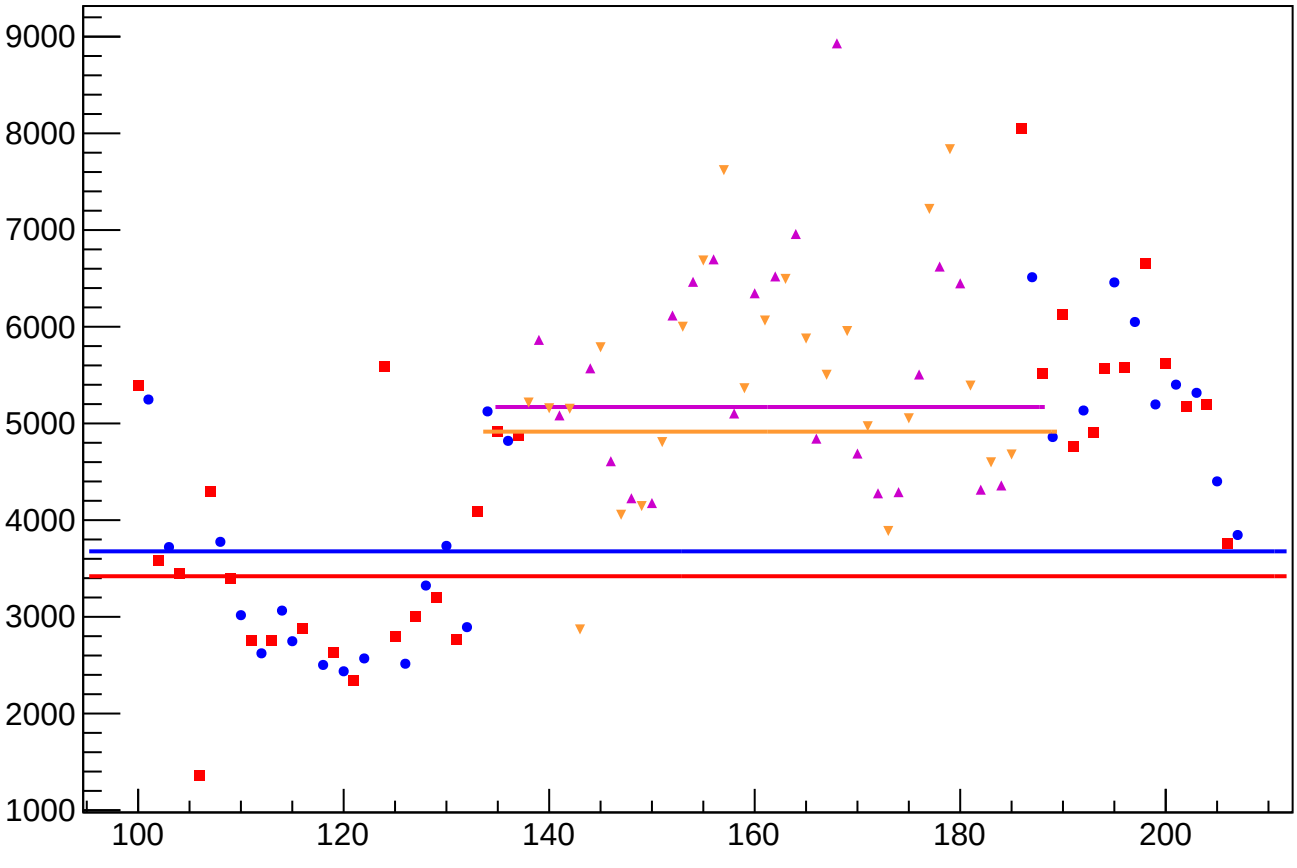
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -605.097+/-674.232 χ^2/NDF: 67.6/56

In: -278.426+/-777.412 χ^2/NDF:41.7/48

Out: -1000.062+/-716.217 χ^2/NDF:72.0/55

All: -668.761+/-526.749 χ^2/NDF: 114.2/104



Right In: 3677.351+/-0.708 χ^2/NDF: 2731297.2/25

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

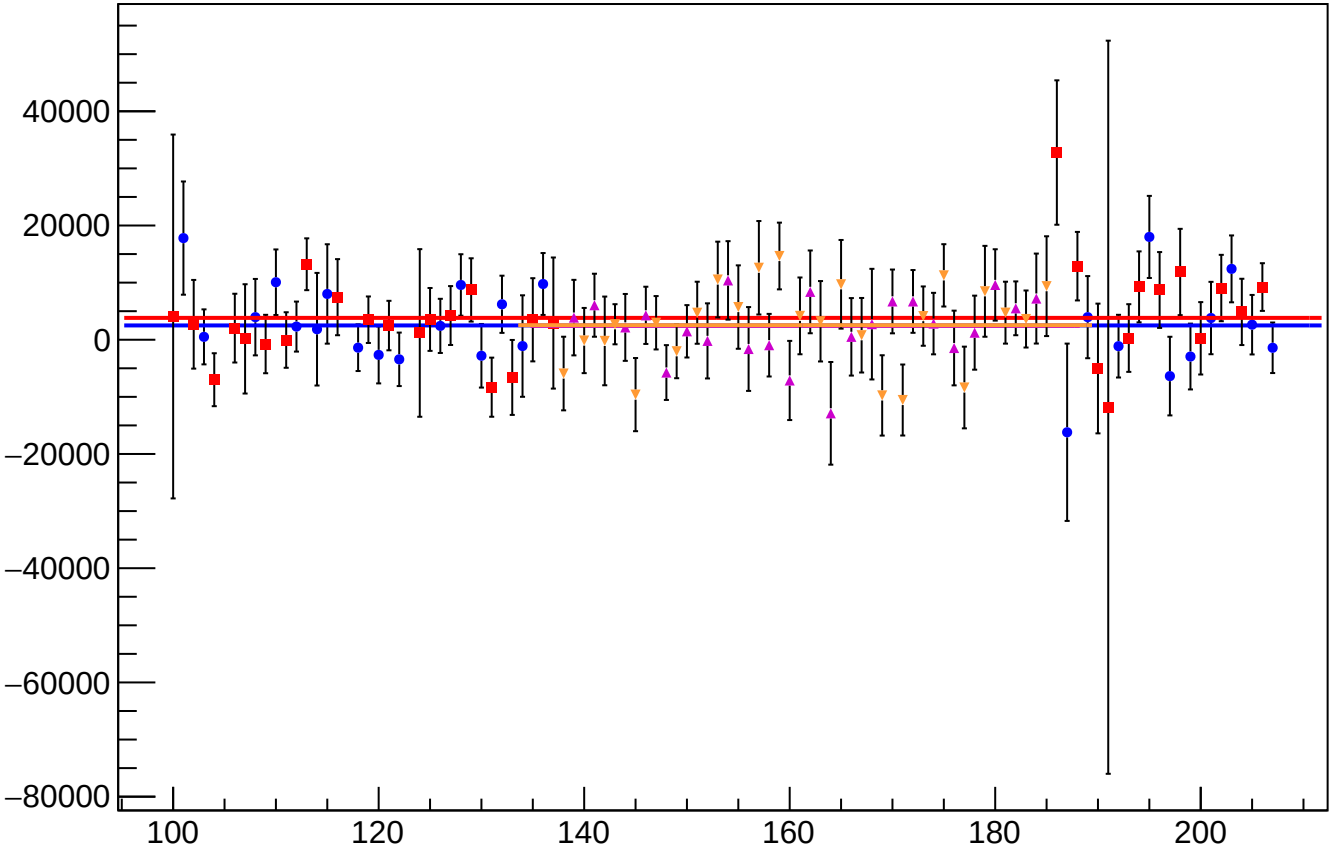
Right: 3536.797+/-0.477 χ^2/NDF: 7316572.9/56

In: 4269.267+/-0.550 χ^2/NDF:5844425.8/48

Out: 3993.819+/-0.506 χ^2/NDF:8740845.5/55

All: 4120.276+/-0.372 χ^2/NDF: 14721079.7/1

asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2504.297+/-1121.906 χ^2/NDF: 26.3/25

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

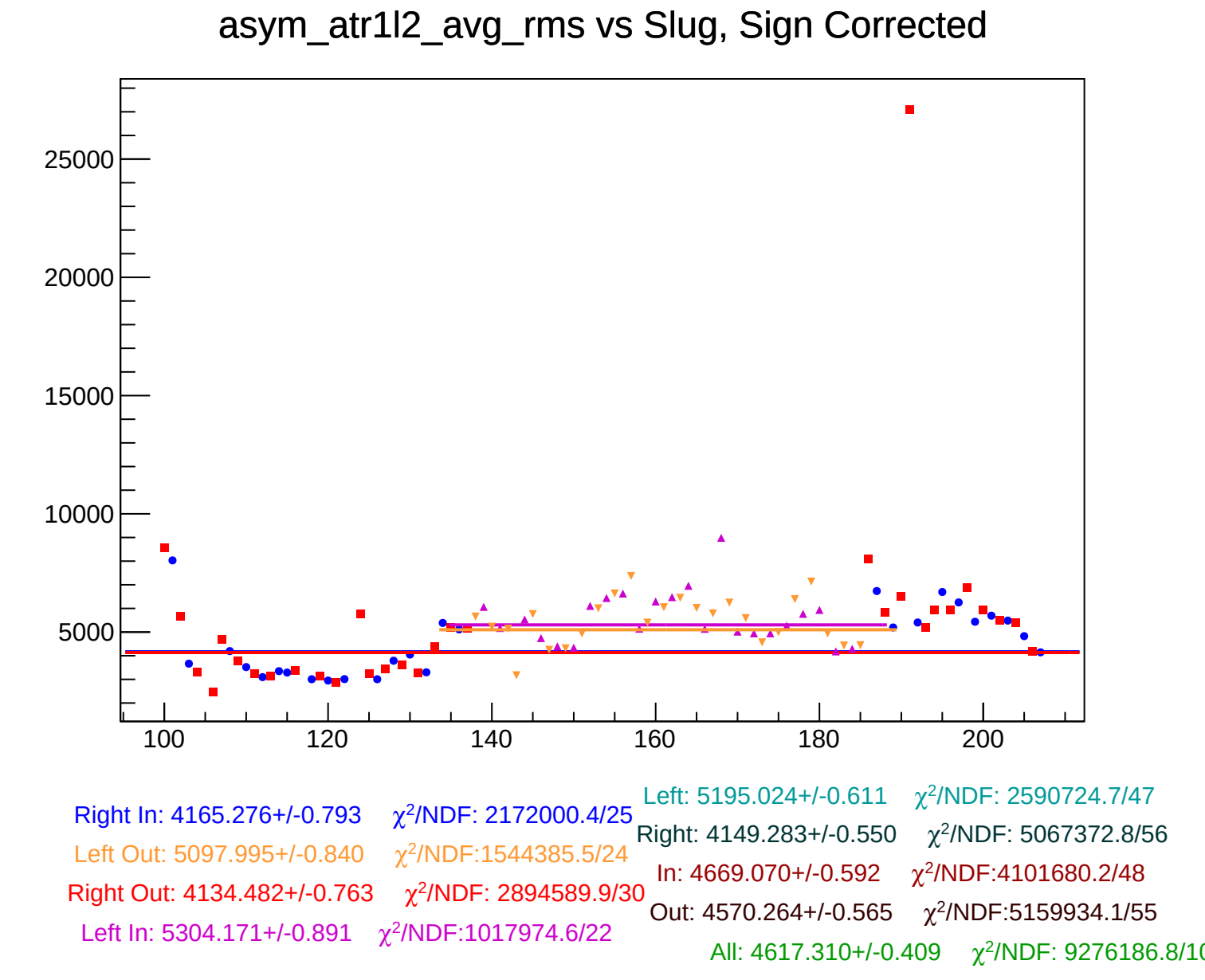
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

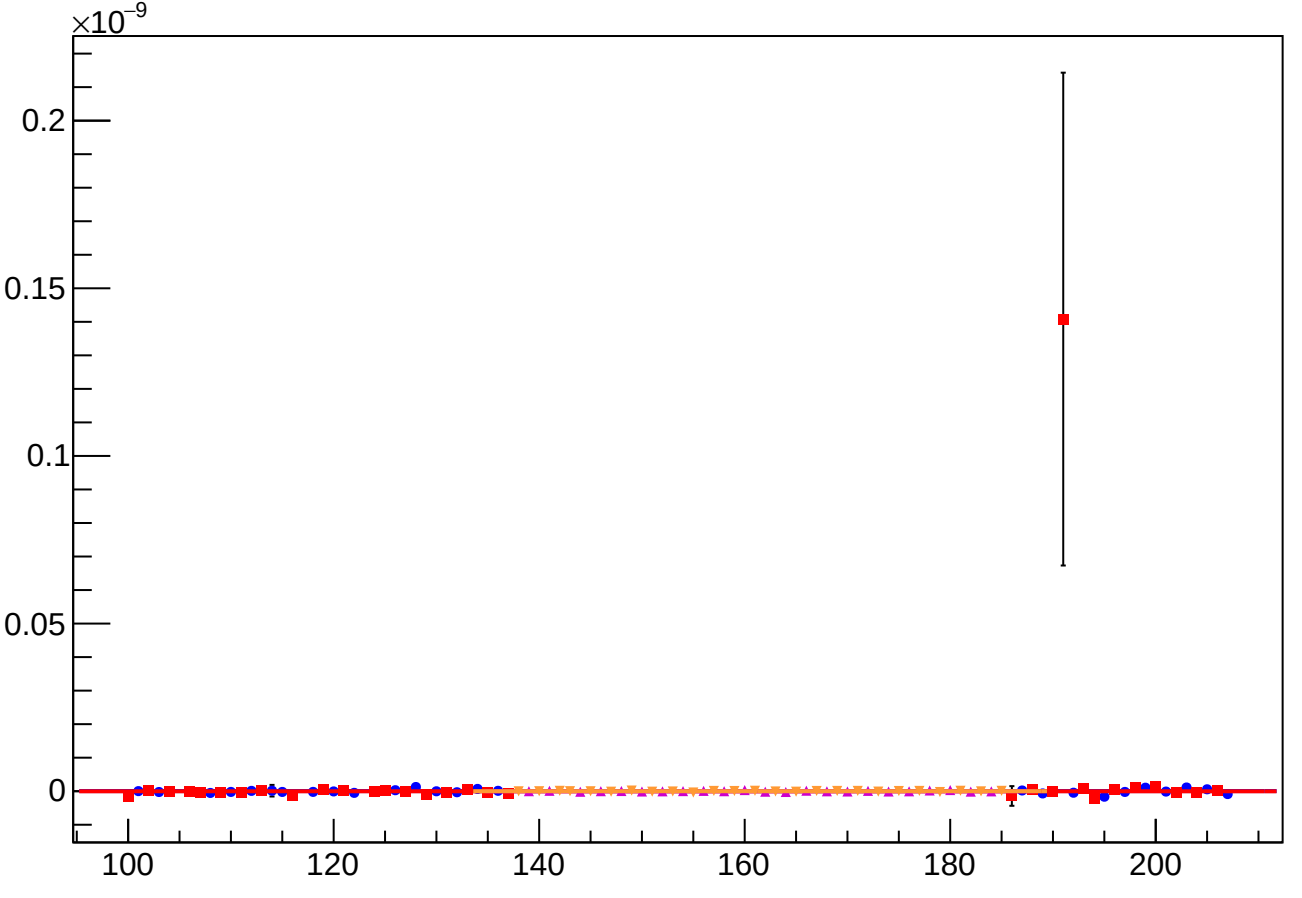
Right: 3184.328+/-781.937 χ^2/NDF: 61.5/56

In: 2468.342+/-837.791 χ^2/NDF:41.3/48

Out: 3241.425+/-803.226 χ^2/NDF:64.2/55

All: 2871.160+/-579.801 χ^2/NDF: 105.9/104


asym_atr1l2_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4165.276+/-0.793 χ²/NDF: 2172000.4/25
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: 4149.283+/-0.550 χ²/NDF: 5067372.8/56
In: 4669.070+/-0.592 χ²/NDF:4101680.2/48
Out: 4570.264+/-0.565 χ²/NDF:5159934.1/55
All: 4617.310+/-0.409 χ²/NDF: 9276186.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 34.0/25

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

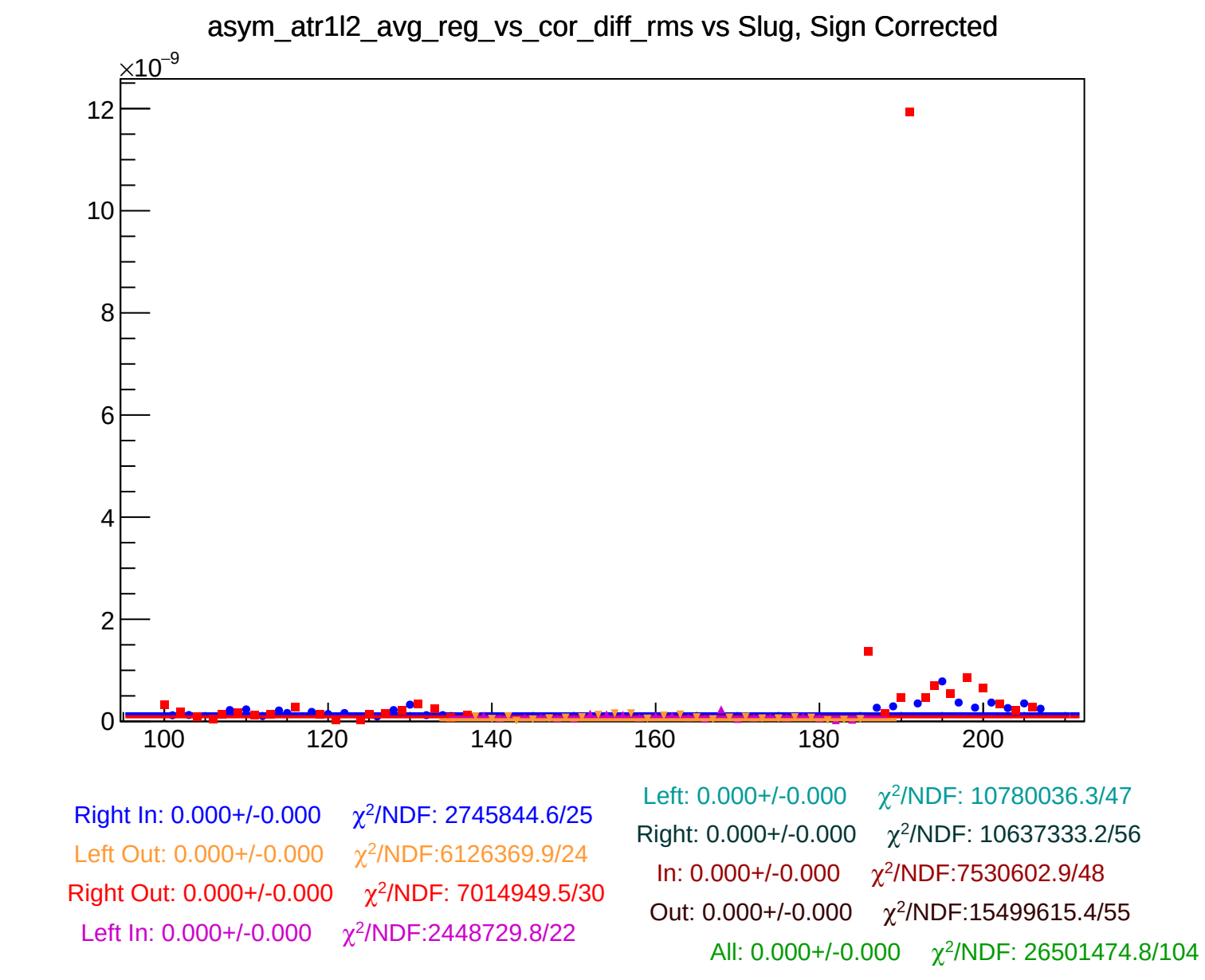
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

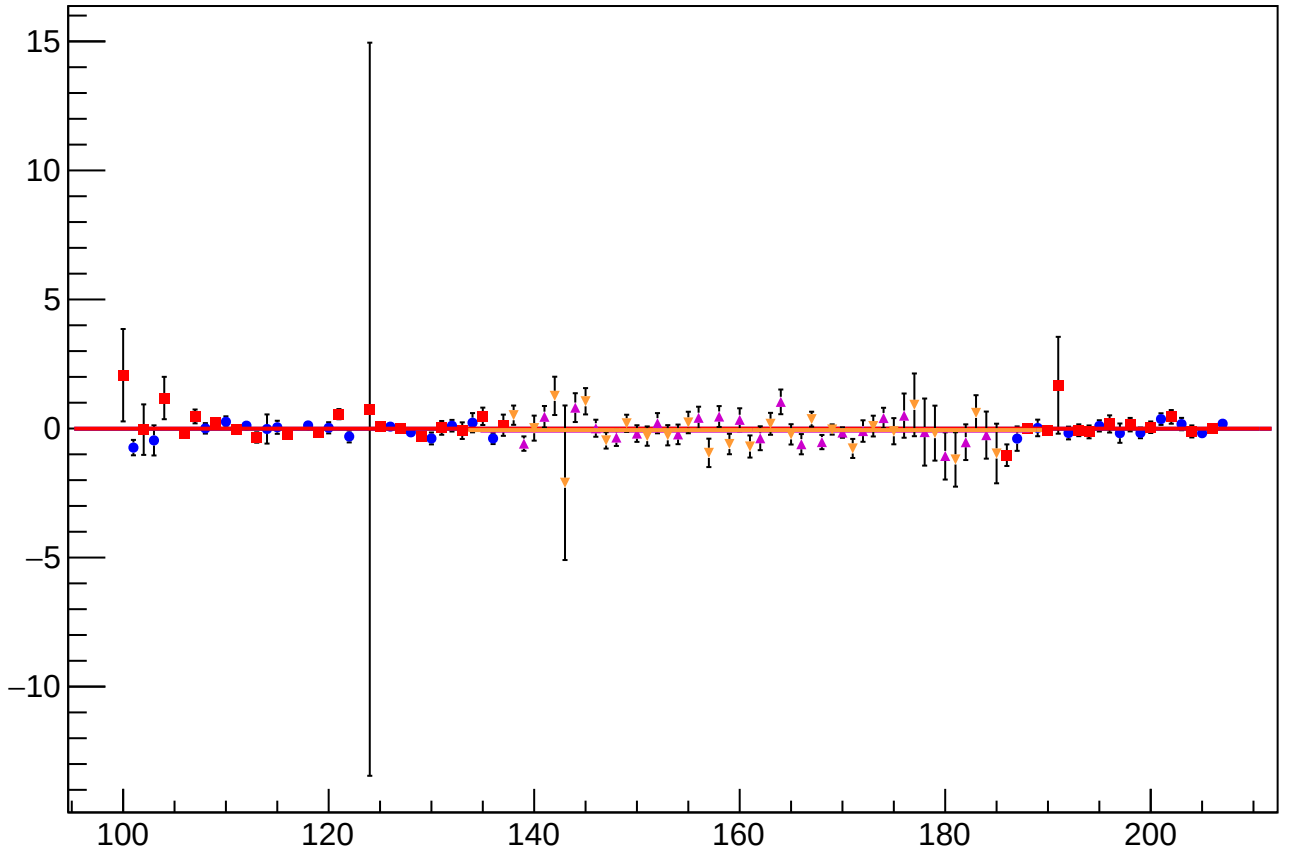
Right: 0.000+/-0.000 χ^2/NDF: 73.9/56

In: 0.000+/-0.000 χ^2/NDF:57.3/48

Out: 0.000+/-0.000 χ^2/NDF:54.8/55

All: 0.000+/-0.000 χ^2/NDF: 112.1/104


asym_atr1l2_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 2745844.6/25
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7014949.5/30
Left In: 0.000+/-0.000 χ²/NDF:2448729.8/22
Left: 0.000+/-0.000 χ²/NDF: 10780036.3/47
Right: 0.000+/-0.000 χ²/NDF: 10637333.2/56
In: 0.000+/-0.000 χ²/NDF:7530602.9/48
Out: 0.000+/-0.000 χ²/NDF:15499615.4/55
All: 0.000+/-0.000 χ²/NDF: 26501474.8/104



Right In: -0.011+/-0.043 χ^2/NDF: 27.2/25

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

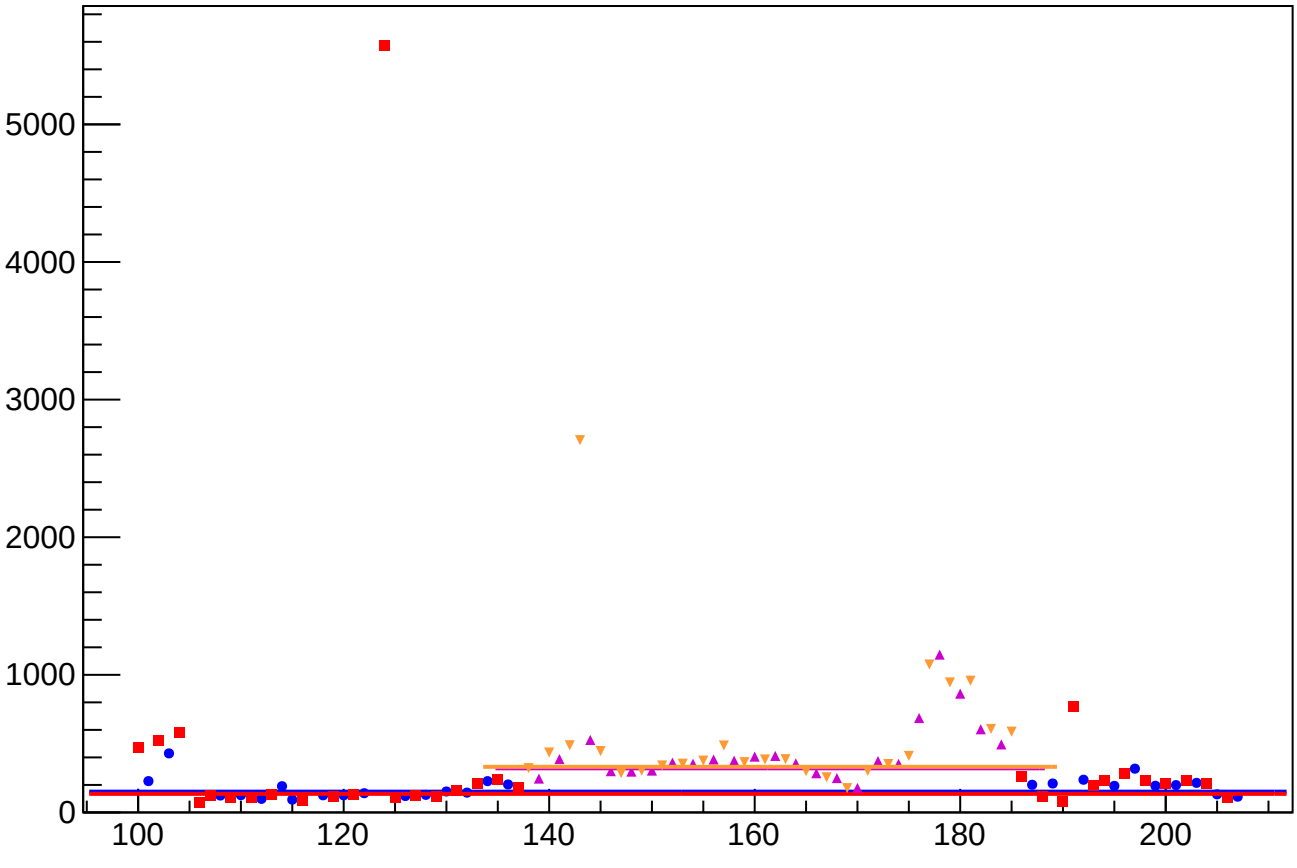
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.008+/-0.029 χ^2/NDF: 67.3/56

In: -0.027+/-0.038 χ^2/NDF:54.9/48

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.021+/-0.026 χ^2/NDF: 126.1/104



Right In: 151.122+/-0.030 χ^2/NDF: 2705407.1/25

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

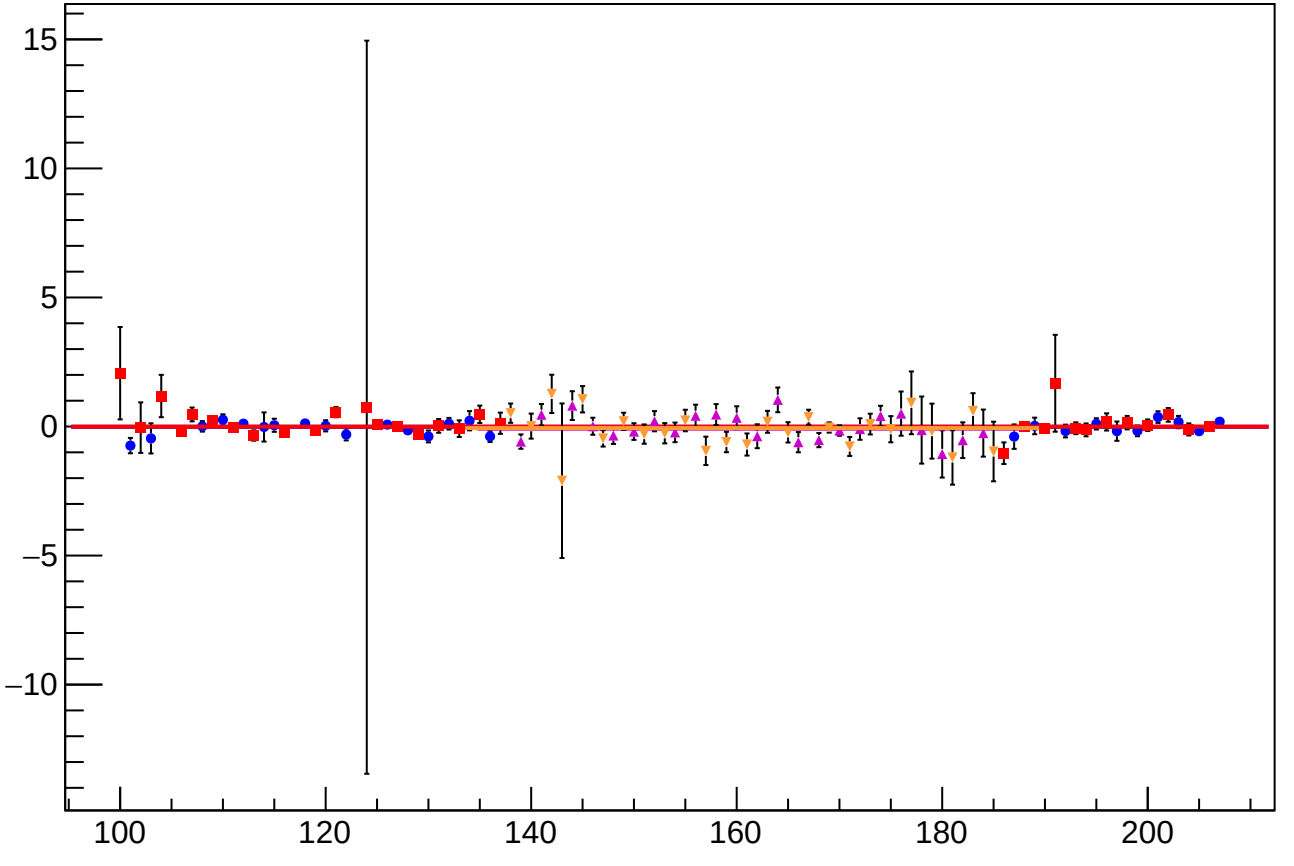
Right: 142.272+/-0.020 χ^2/NDF: 7767015.8/56

In: 188.457+/-0.027 χ^2/NDF:13769163.2/48

Out: 169.698+/-0.025 χ^2/NDF:19834146.9/55

All: 178.314+/-0.018 χ^2/NDF: 33865870.3/10

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.043 χ^2/NDF: 27.2/25

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

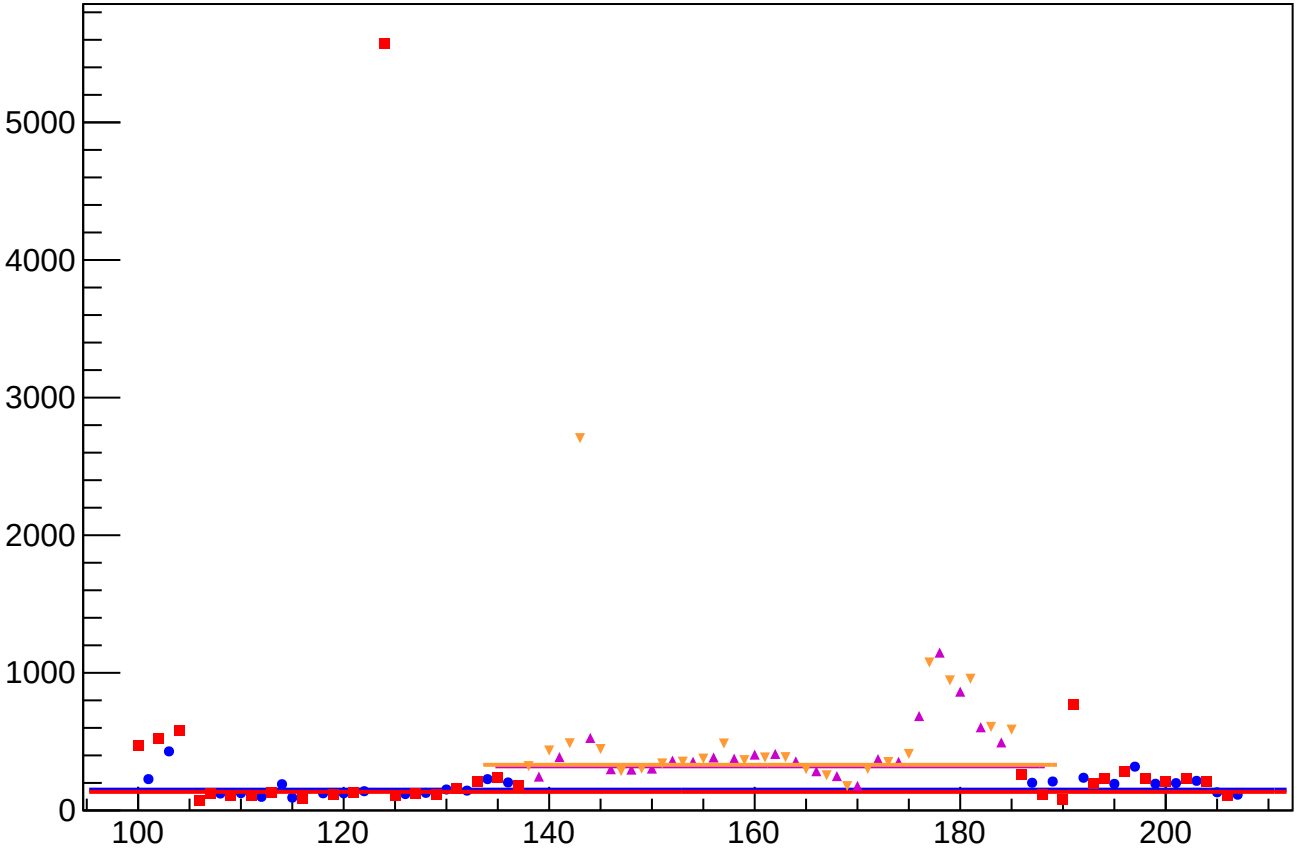
Right: -0.008+/-0.029 χ^2/NDF: 67.3/56

In: -0.027+/-0.038 χ^2/NDF:54.9/48

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.021+/-0.026 χ^2/NDF: 126.1/104

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.122+/-0.030 χ^2/NDF: 2705407.1/25

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

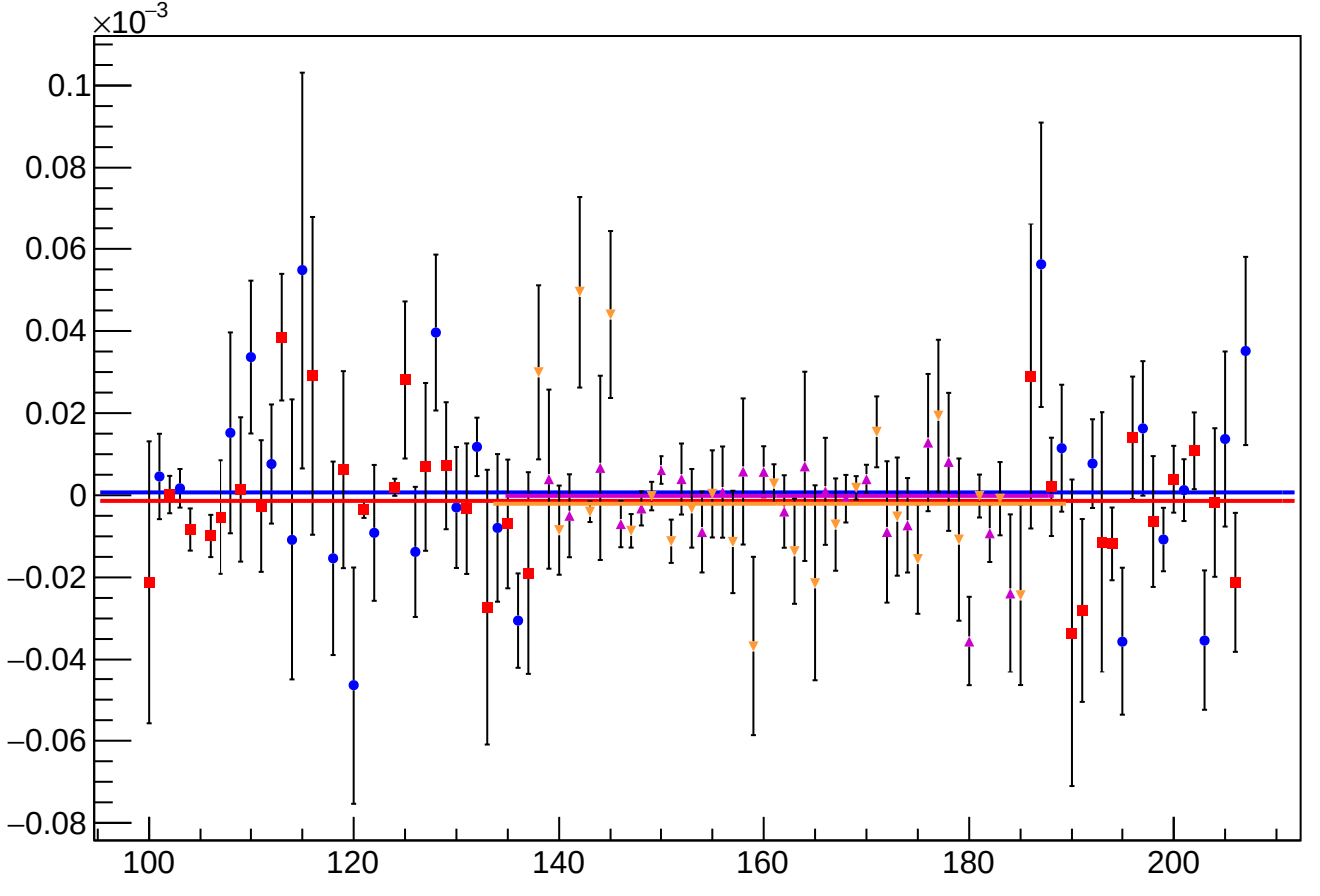
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 142.272+/-0.020 χ^2/NDF: 7767015.8/56

In: 188.457+/-0.027 χ^2/NDF:13769163.2/48

Out: 169.698+/-0.025 χ^2/NDF:19834146.9/55

All: 178.314+/-0.018 χ^2/NDF: 33865870.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 41.6/25

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/30

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

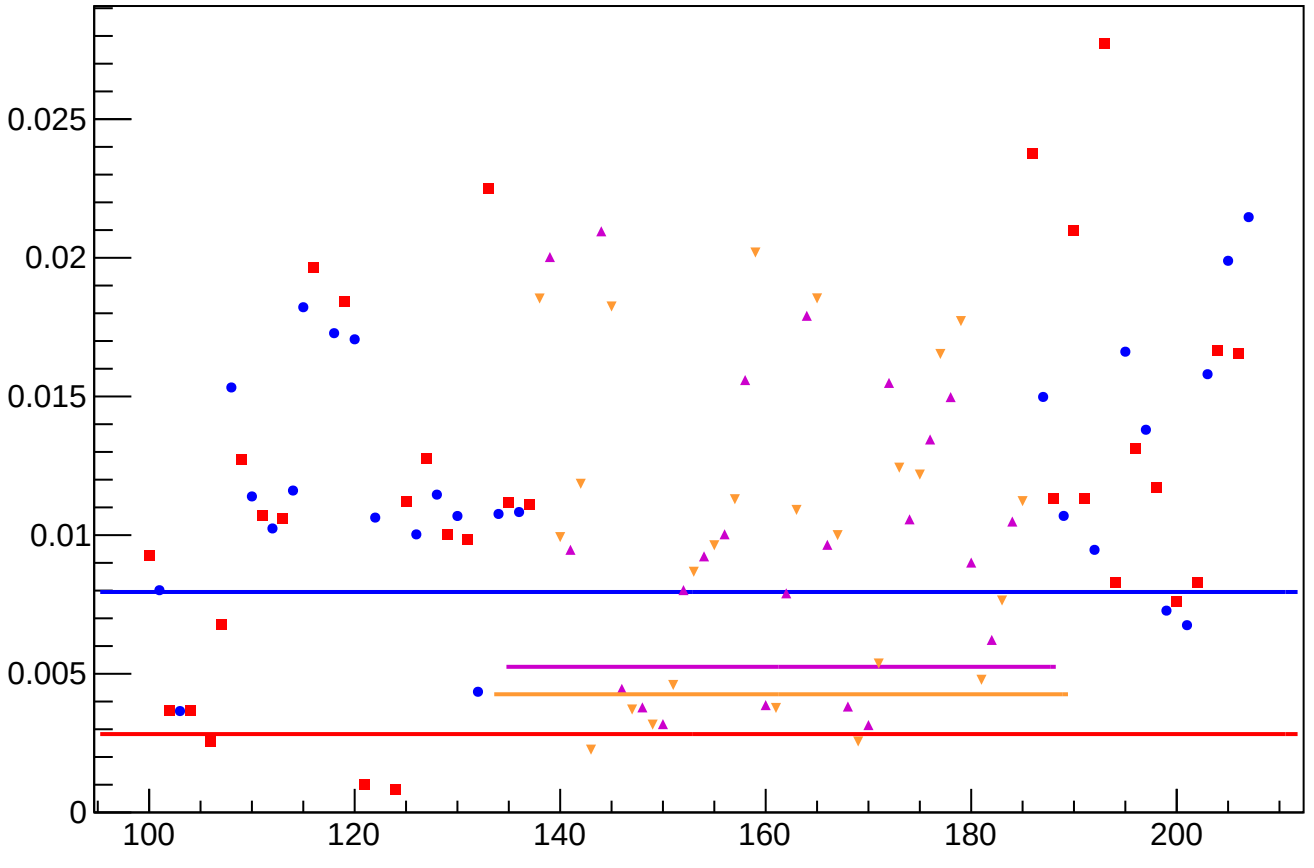
Left: -0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 71.6/56

In: 0.000+/-0.000 χ^2/NDF:66.6/48

Out: -0.000+/-0.000 χ^2/NDF:64.3/55

All: -0.000+/-0.000 χ^2/NDF: 132.3/104



Right In: 0.008+/-0.000 χ^2/NDF: 6222215.7/25

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

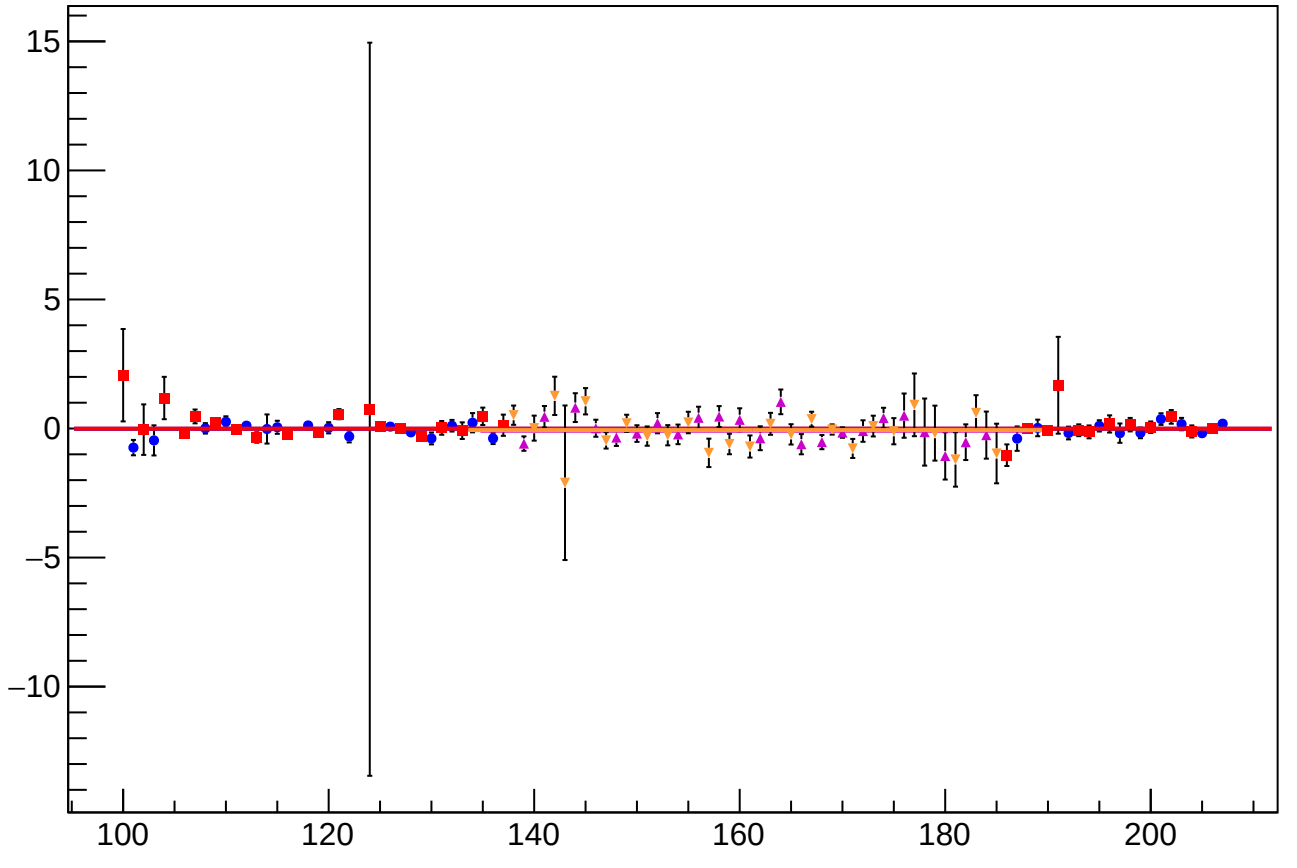
Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

Right: 0.004+/-0.000 χ^2/NDF: 33247873.8/56

In: 0.006+/-0.000 χ^2/NDF:17576163.4/48

Out: 0.004+/-0.000 χ^2/NDF:33996238.2/55

All: 0.004+/-0.000 χ^2/NDF: 56879709.9/104



Right In: -0.011+/-0.043 χ^2/NDF: 27.2/25

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

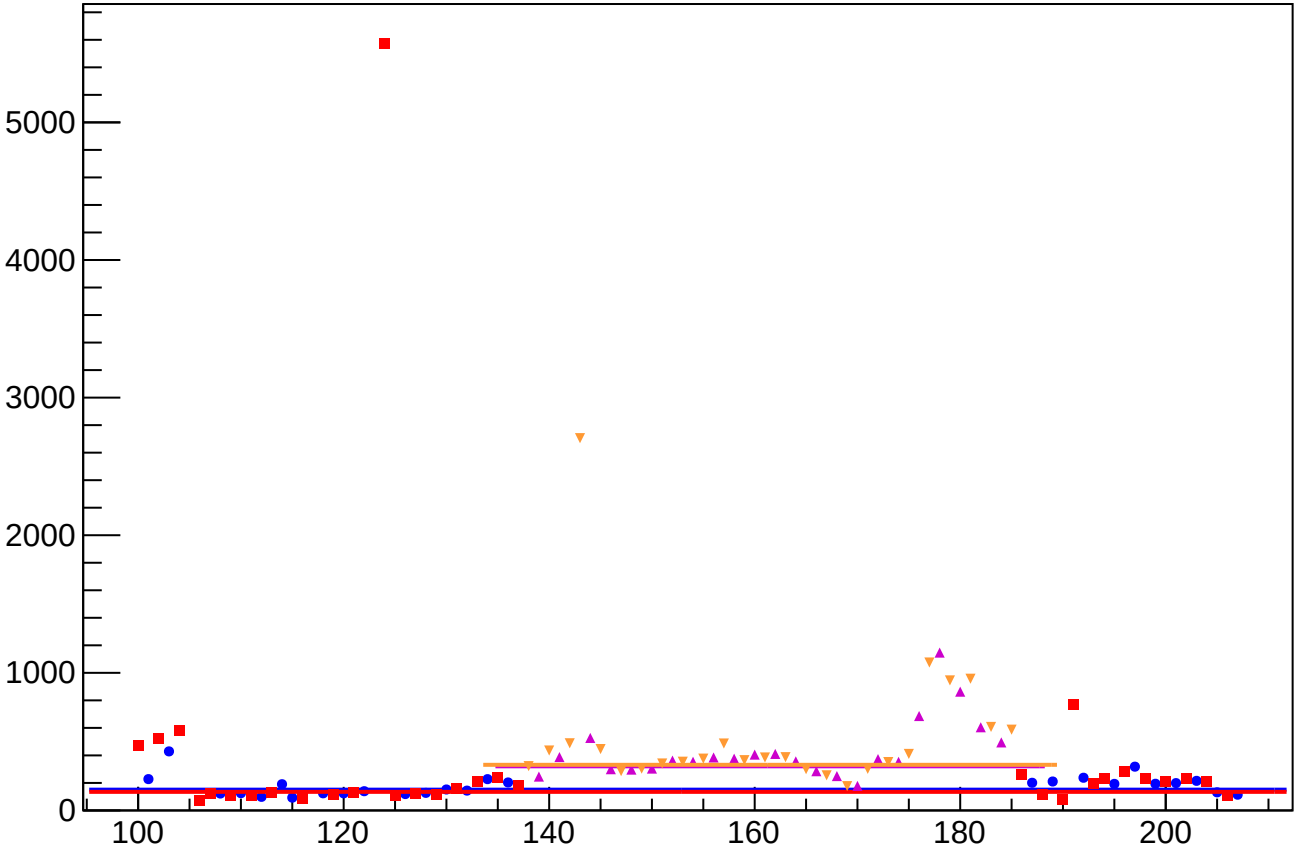
Right: -0.008+/-0.029 χ^2/NDF: 67.3/56

In: -0.027+/-0.038 χ^2/NDF:54.9/48

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.021+/-0.026 χ^2/NDF: 126.1/104

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.122+/-0.030 χ^2/NDF: 2705386.0/25

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

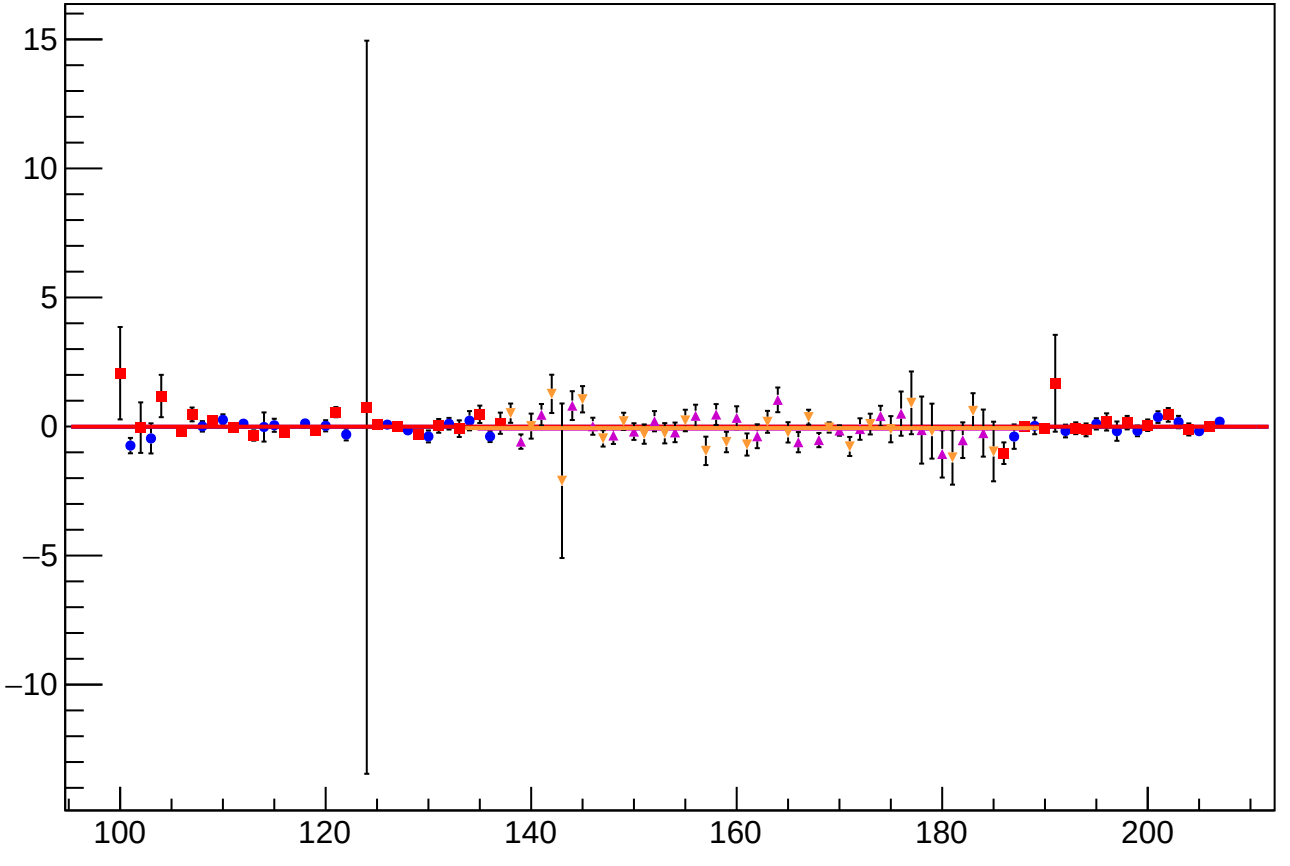
Right: 142.272+/-0.020 χ^2/NDF: 7767055.6/56

In: 188.457+/-0.027 χ^2/NDF:13769266.2/48

Out: 169.697+/-0.025 χ^2/NDF:19834408.4/55

All: 178.314+/-0.018 χ^2/NDF: 33866262.6/10

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.011+/-0.043 χ^2/NDF: 27.2/25

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

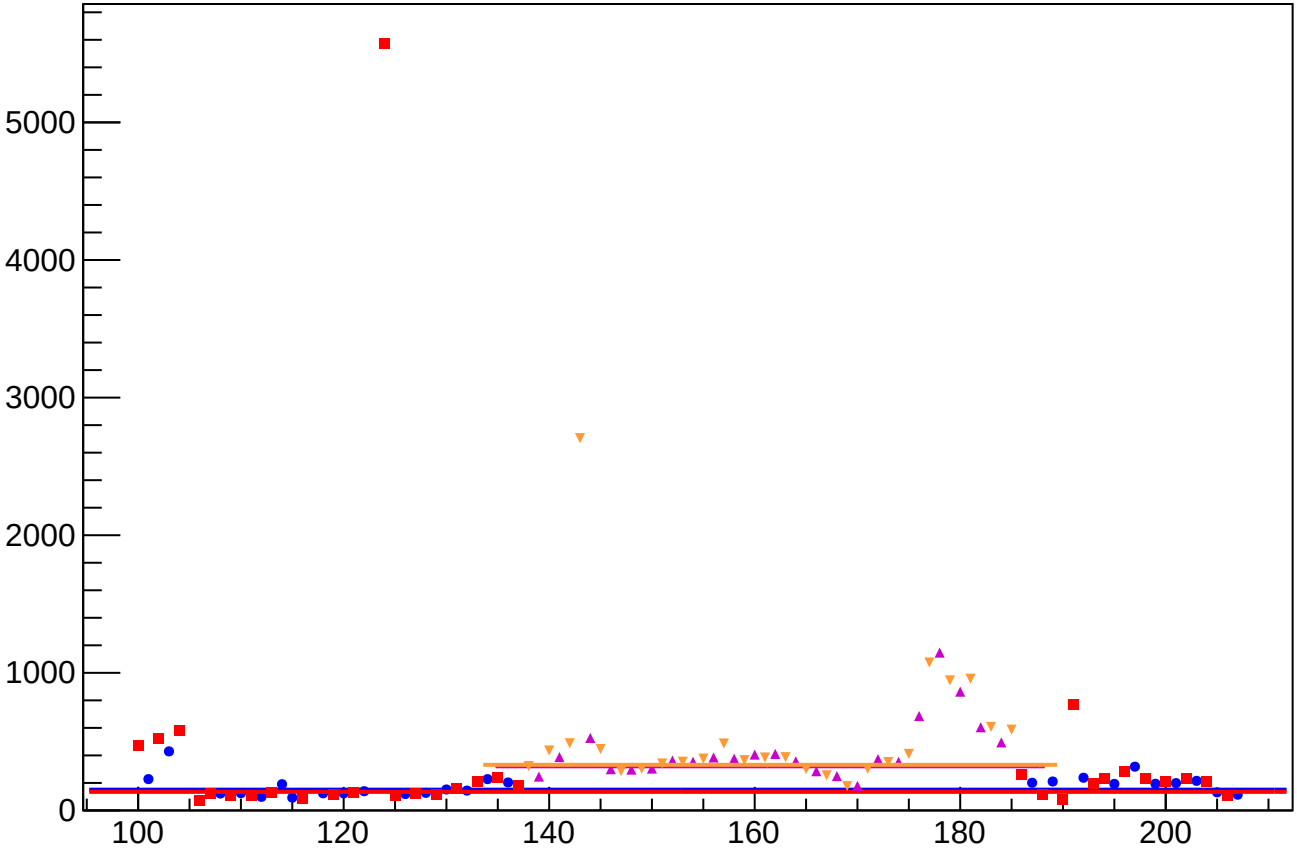
Right: -0.008+/-0.029 χ^2/NDF: 67.3/56

In: -0.027+/-0.038 χ^2/NDF:54.9/48

Out: -0.015+/-0.035 χ^2/NDF:71.2/55

All: -0.021+/-0.026 χ^2/NDF: 126.1/104

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.122+/-0.030 χ^2/NDF: 2705386.0/25

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

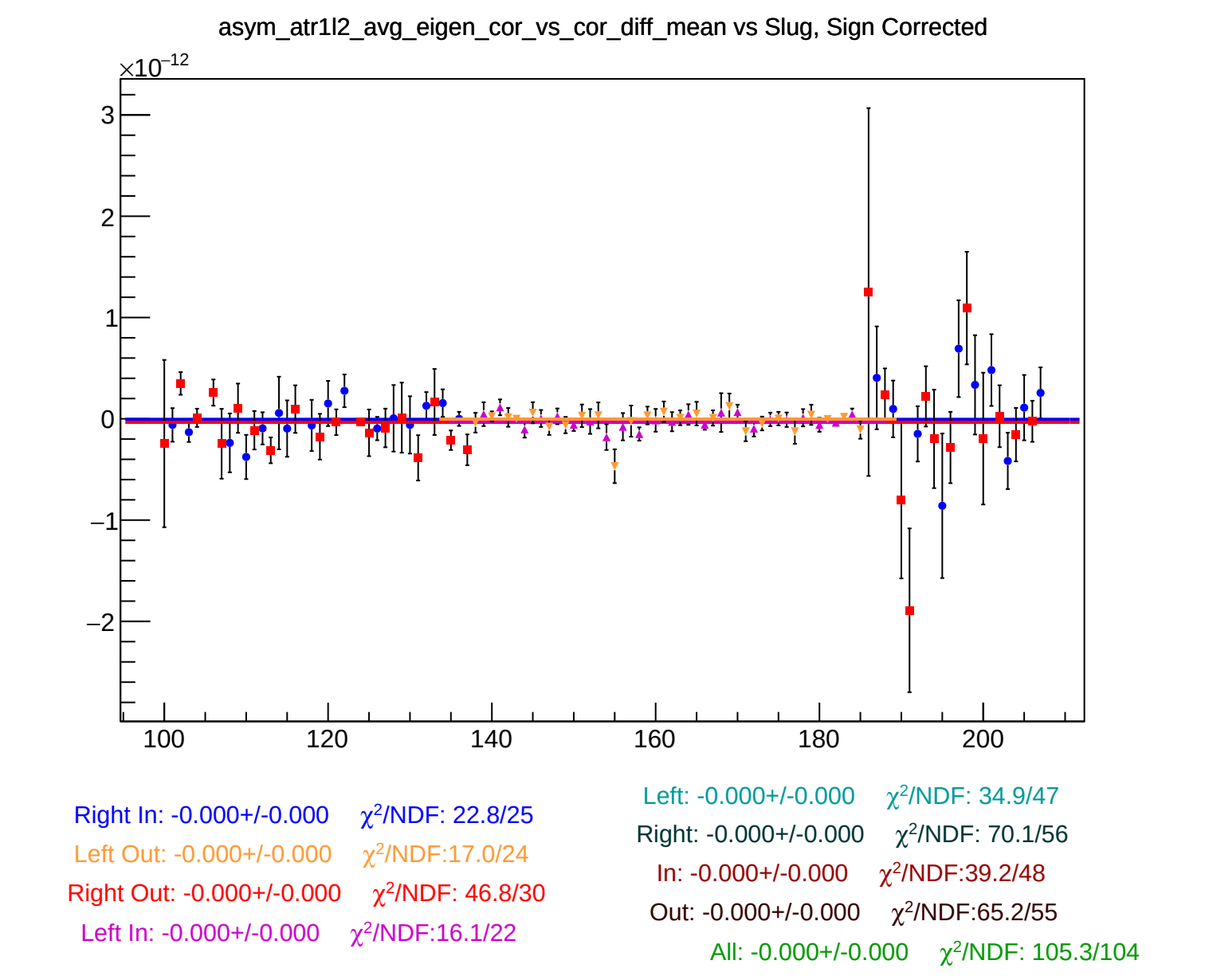
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

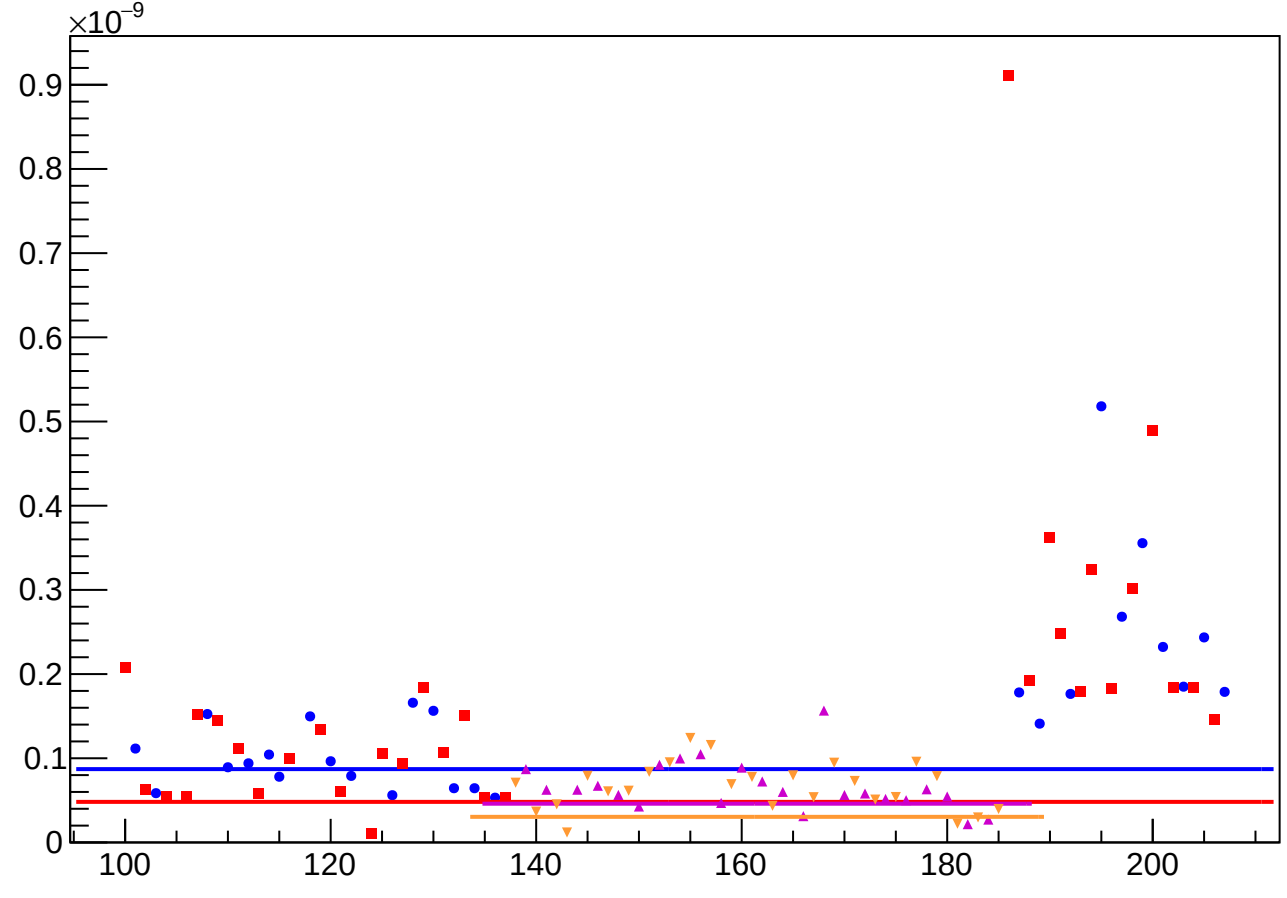
Right: 142.272+/-0.020 χ^2/NDF: 7767055.6/56

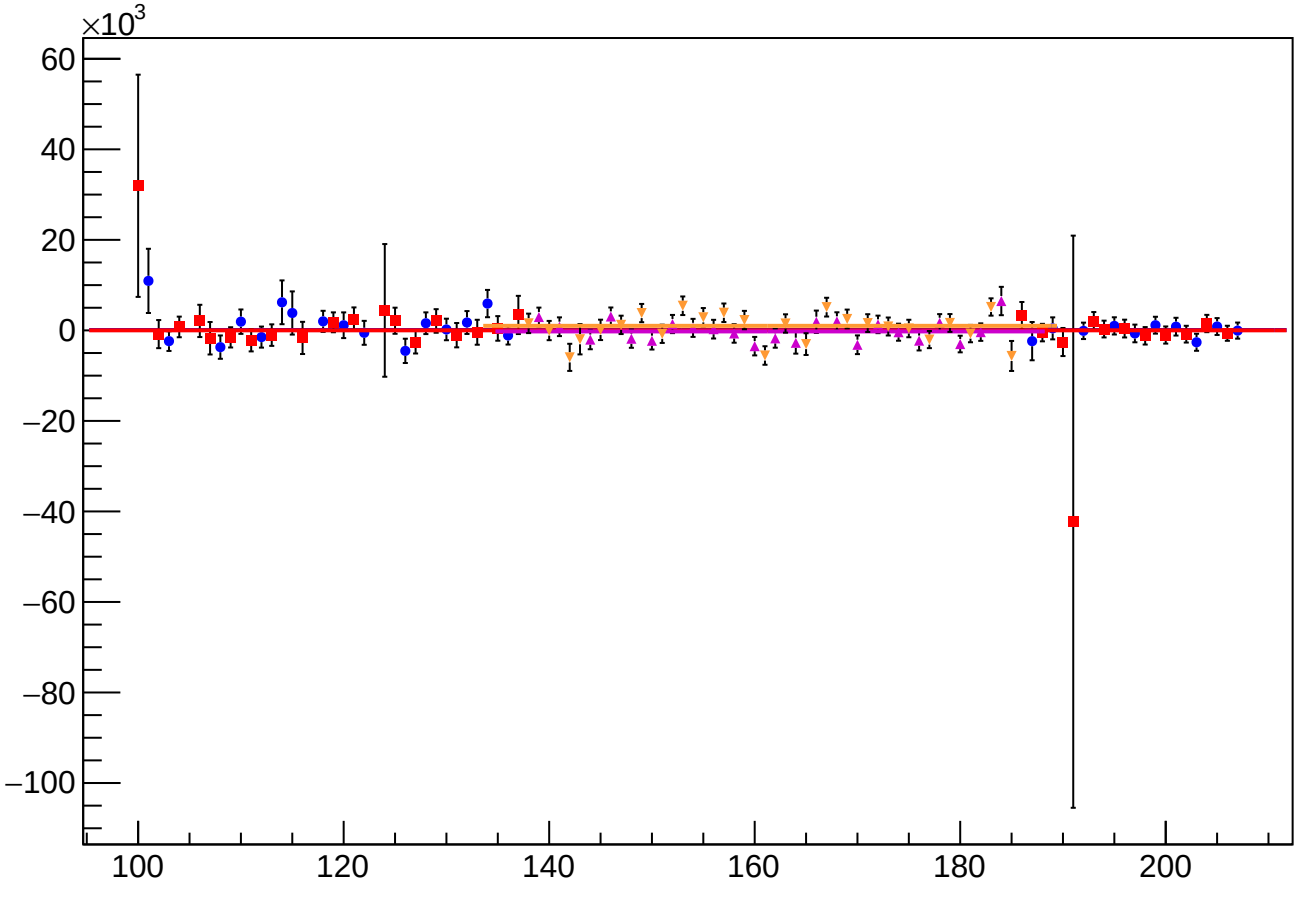
In: 188.457+/-0.027 χ^2/NDF:13769266.2/48

Out: 169.697+/-0.025 χ^2/NDF:19834408.4/55

All: 178.314+/-0.018 χ^2/NDF: 33866262.6/10


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: 22.8/25
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: 70.1/56
In: -0.000+/-0.000 χ²/NDF:39.2/48
Out: -0.000+/-0.000 χ²/NDF:65.2/55
All: -0.000+/-0.000 χ²/NDF: 105.3/104


asym_atr1l2_avg_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: 4713372.3/25
Left Out: 0.000+/-0.000 χ²/NDF:10517831.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 10133807.3/30
Left In: 0.000+/-0.000 χ²/NDF:4899715.4/22
Left: 0.000+/-0.000 χ²/NDF: 16912386.2/47
Right: 0.000+/-0.000 χ²/NDF: 16488098.3/56
In: 0.000+/-0.000 χ²/NDF:11947618.6/48
Out: 0.000+/-0.000 χ²/NDF:21524814.1/55
All: 0.000+/-0.000 χ²/NDF: 35998811.6/104



Right In: 80.212+/-458.891 χ^2/NDF: 21.1/25

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

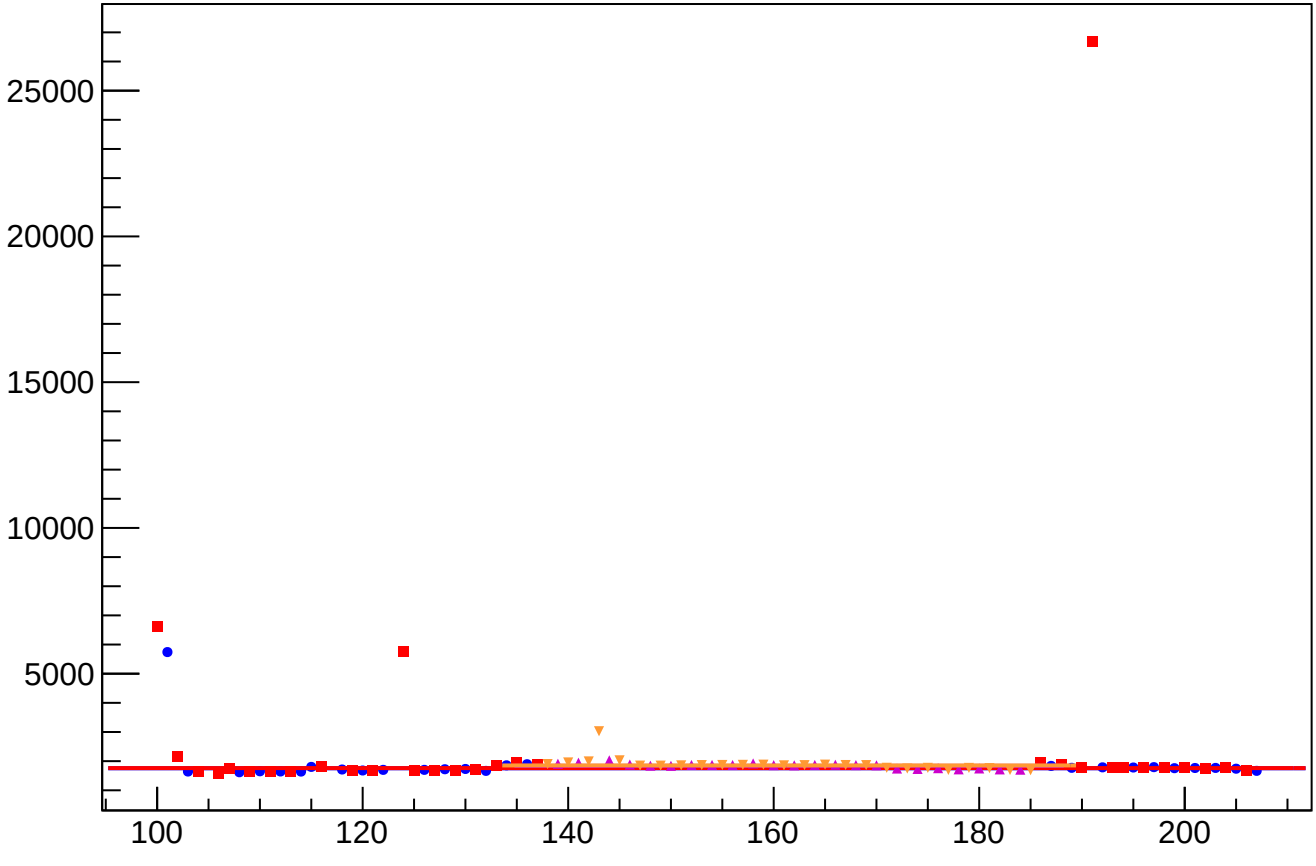
Right: 47.689+/-318.993 χ^2/NDF: 35.2/56

In: -84.713+/-313.656 χ^2/NDF:47.7/48

Out: 534.807+/-306.016 χ^2/NDF:64.0/55

All: 232.683+/-219.037 χ^2/NDF: 113.7/104

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1754.793+/-0.324 χ^2/NDF: 677527.2/25

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

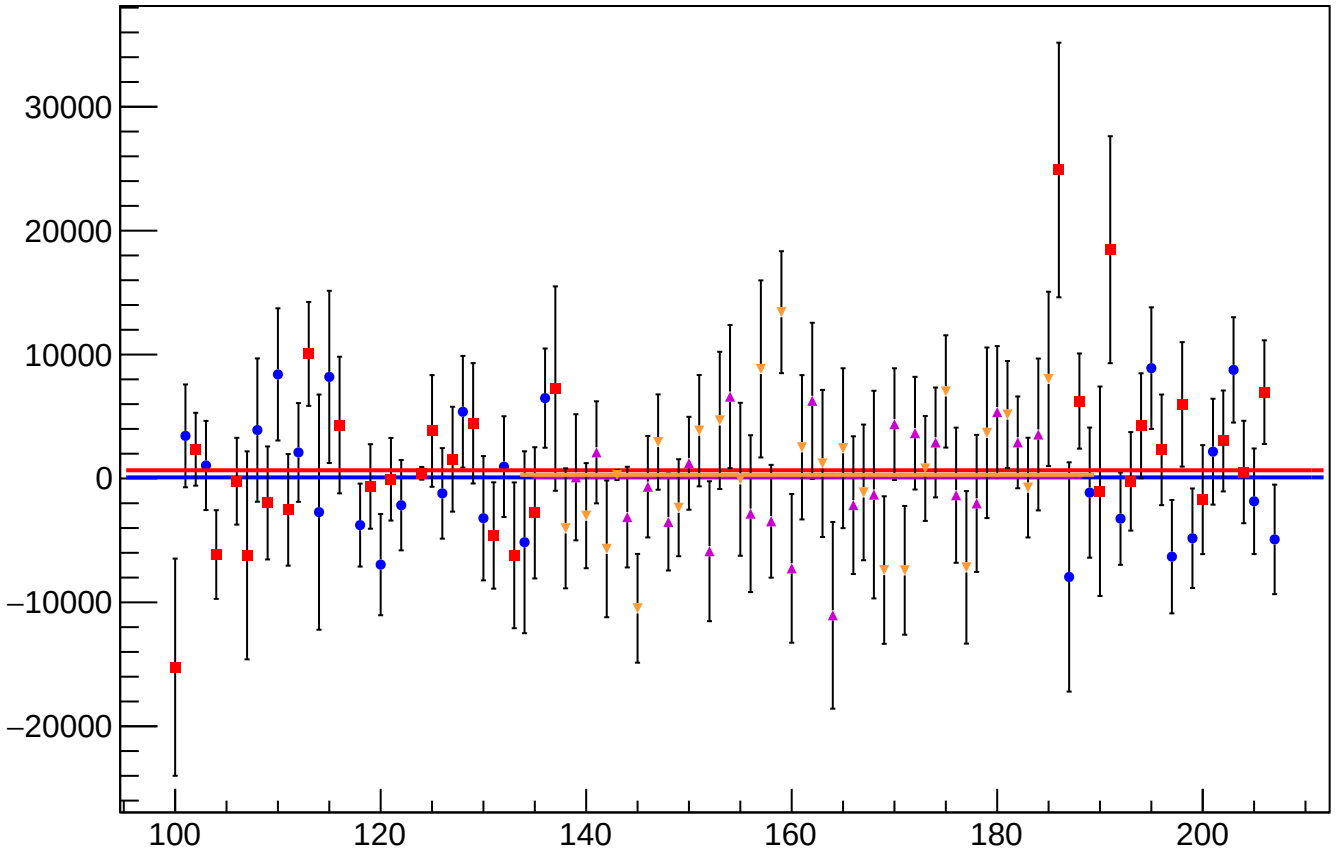
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1758.400+/-0.225 χ^2/NDF: 1322459.3/56

In: 1799.408+/-0.222 χ^2/NDF:781487.2/48

Out: 1809.204+/-0.216 χ^2/NDF:1009787.8/55

All: 1804.435+/-0.155 χ^2/NDF: 1792276.1/10



Right In: 88.025+/-872.927 χ^2/NDF: 29.2/25

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

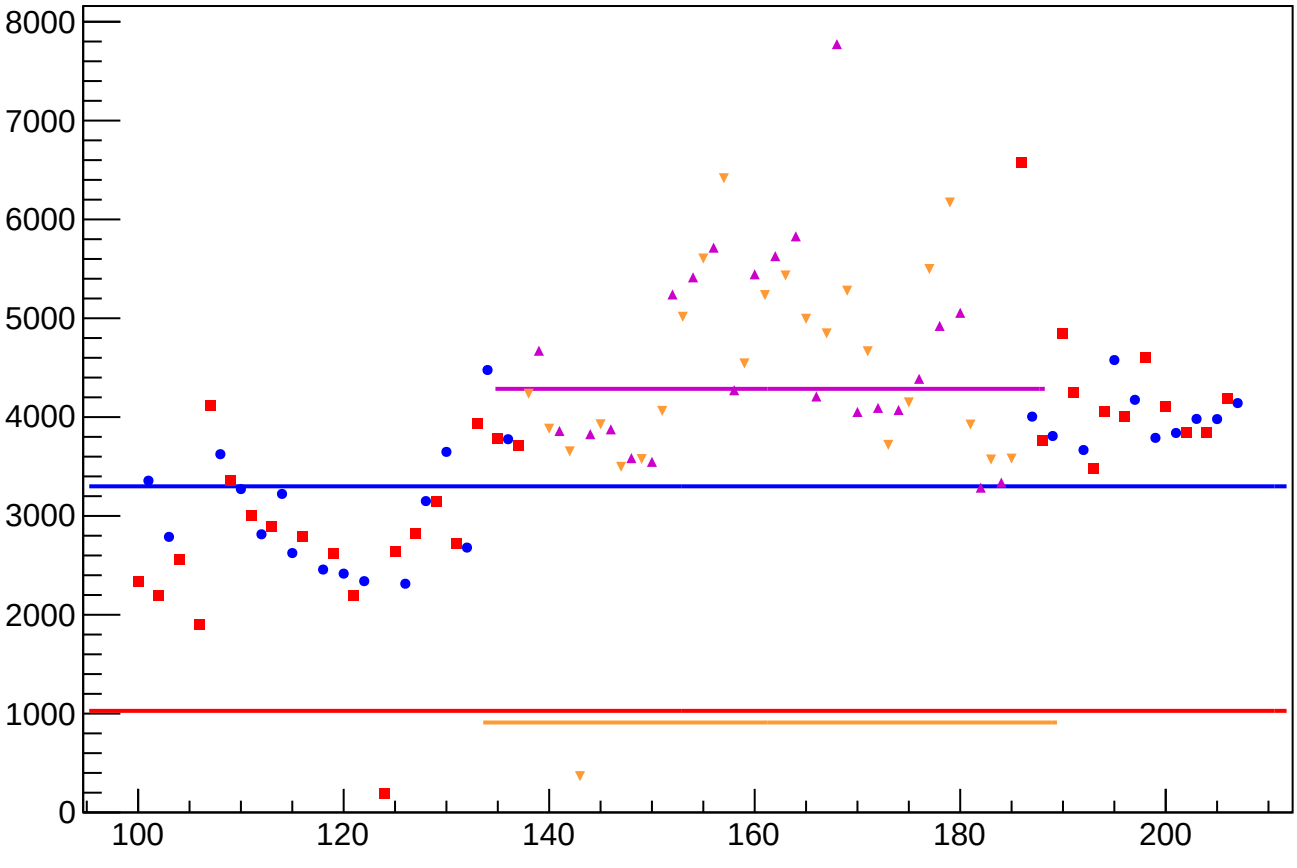
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 548.455+/-388.650 χ^2/NDF: 65.7/56

In: 109.230+/-664.019 χ^2/NDF:43.1/48

Out: 453.995+/-285.877 χ^2/NDF:66.6/55

All: 400.085+/-262.576 χ^2/NDF: 109.9/104



Right In: 3299.690+/-0.617 χ^2/NDF: 1233278.4/25

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

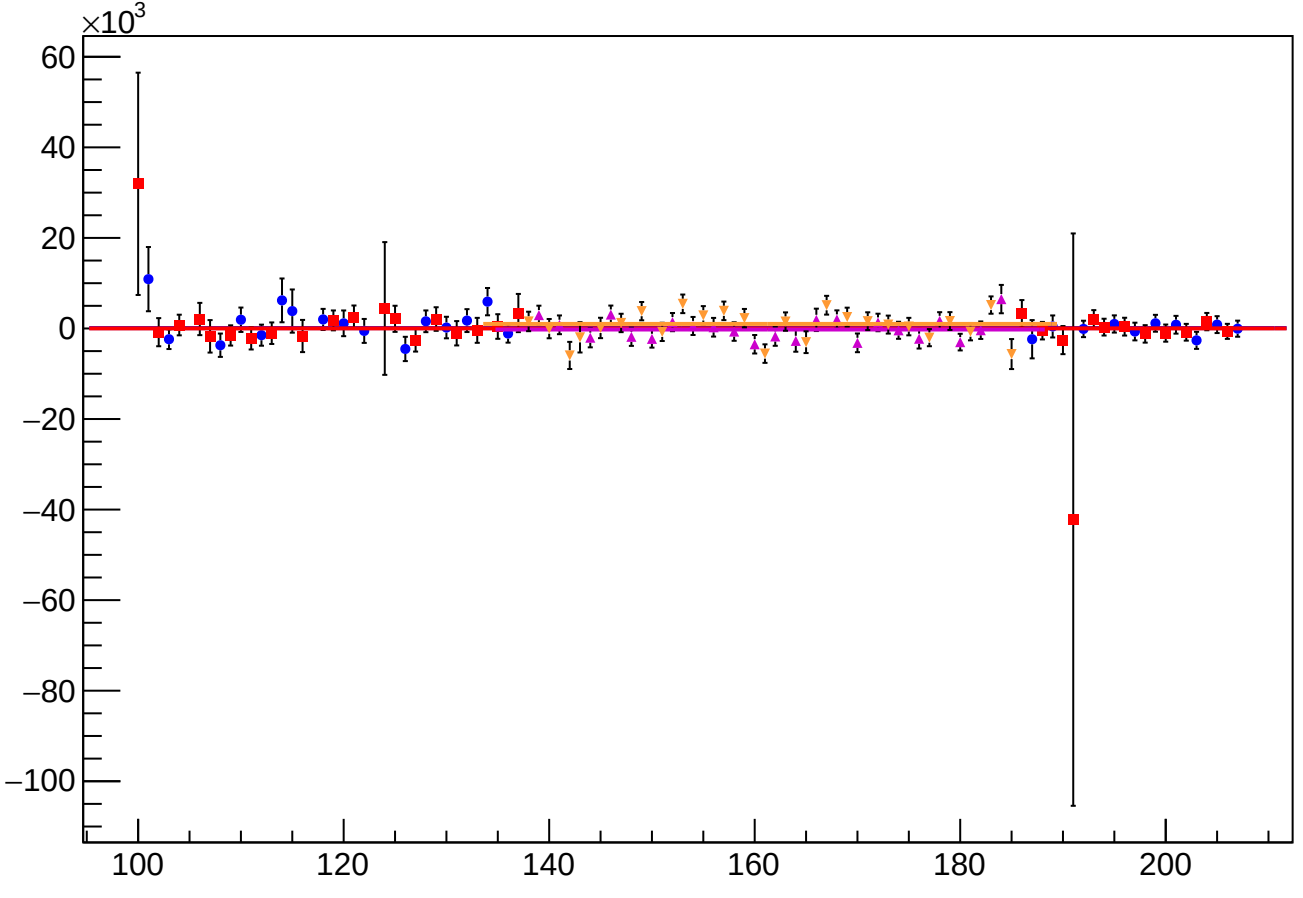
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1478.262+/-0.275 χ^2/NDF: 33289928.3/56

In: 3715.218+/-0.470 χ^2/NDF:3636741.5/48

Out: 961.239+/-0.202 χ^2/NDF:48053783.5/55

All: 1391.875+/-0.186 χ^2/NDF: 80713574.4/



Right In: 80.074+/-458.892 χ^2/NDF: 21.1/25

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

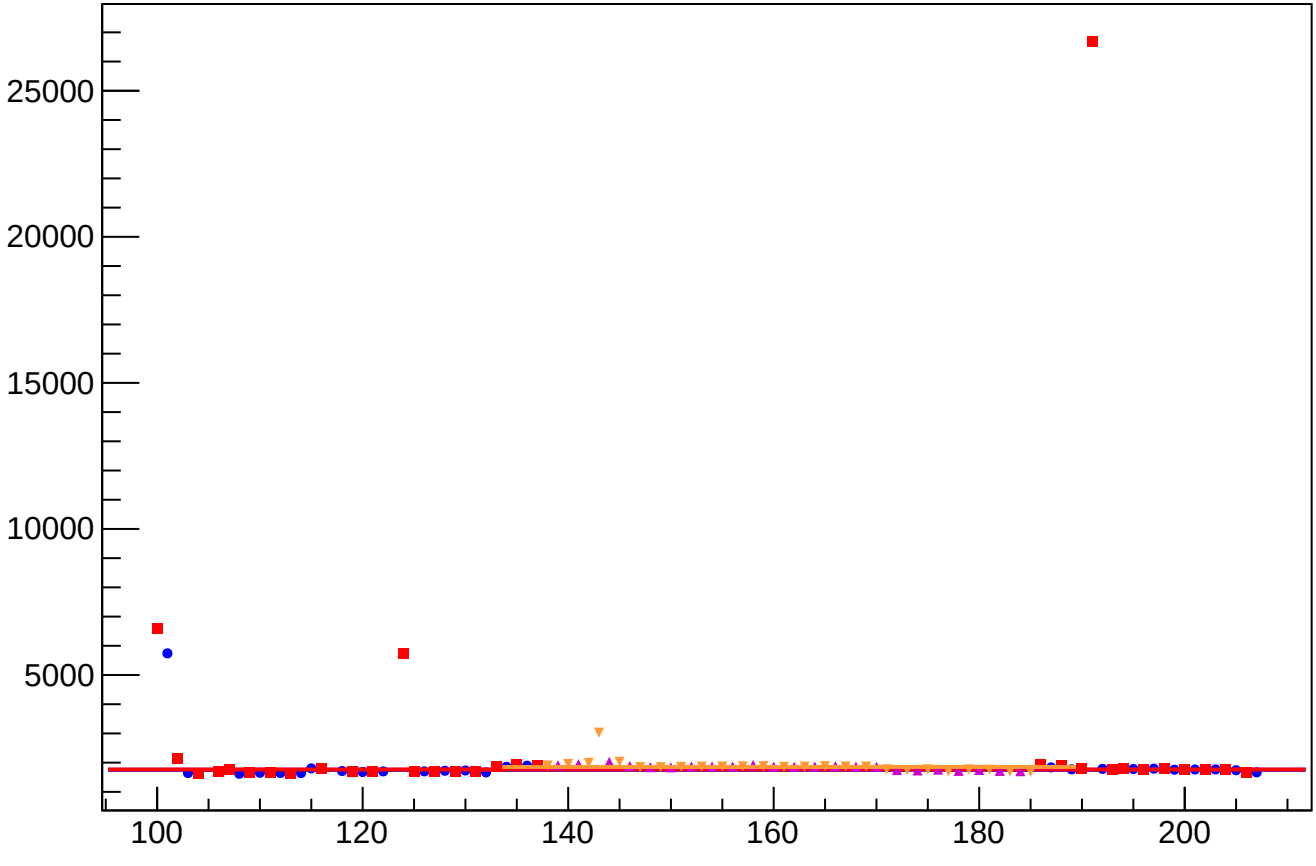
Right: 47.617+/-318.993 χ^2/NDF: 35.2/56

In: -84.732+/-313.656 χ^2/NDF:47.7/48

Out: 534.780+/-306.016 χ^2/NDF:64.0/55

All: 232.660+/-219.037 χ^2/NDF: 113.7/104

cor_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1754.792+/-0.324 χ^2/NDF: 677527.4/25

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

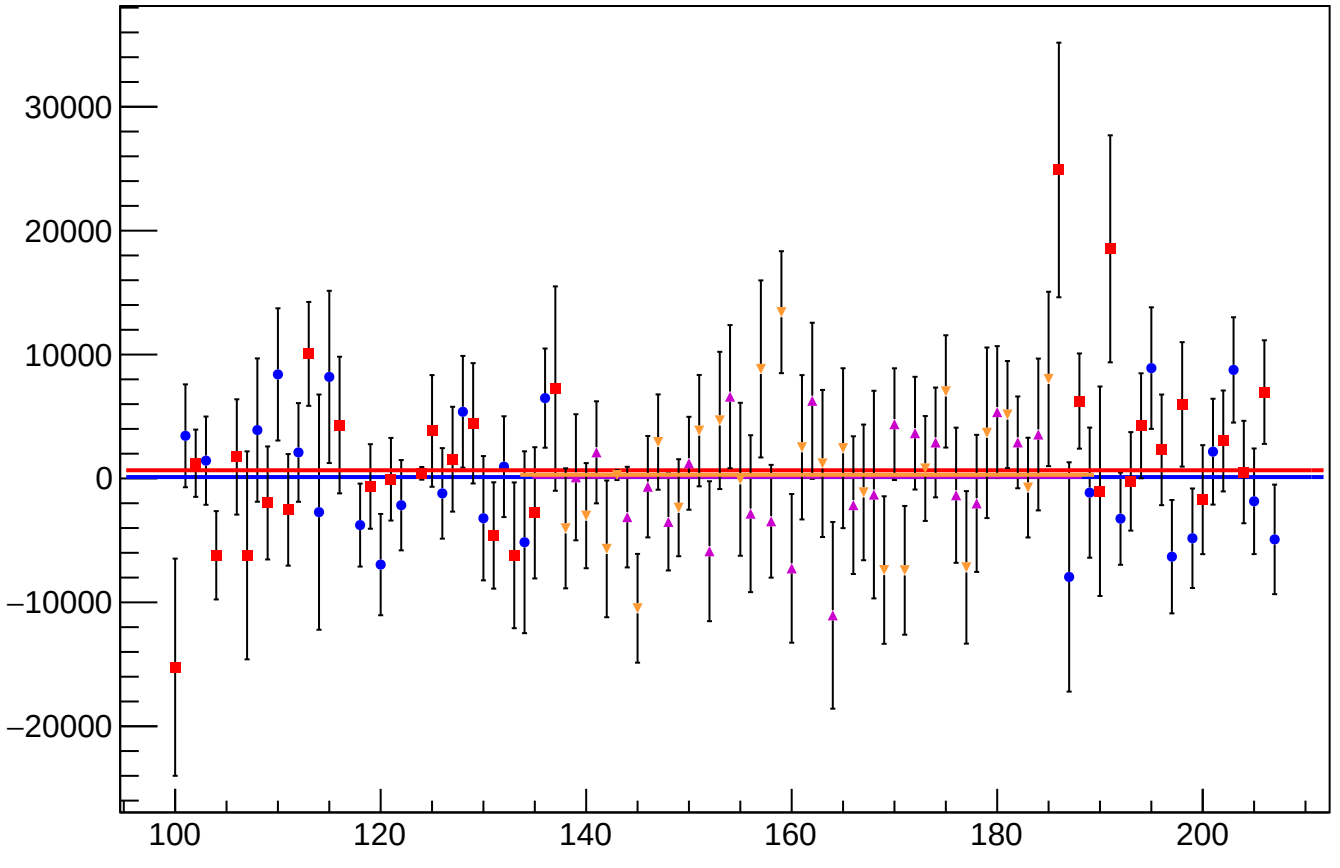
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1760.030+/-0.225 χ^2/NDF: 1314838.7/56

In: 1799.408+/-0.222 χ^2/NDF:781487.5/48

Out: 1810.786+/-0.216 χ^2/NDF:998816.7/55

All: 1805.242+/-0.155 χ^2/NDF: 1781653.5/10



Right In: 112.425+/-872.410 χ^2/NDF: 29.3/25

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

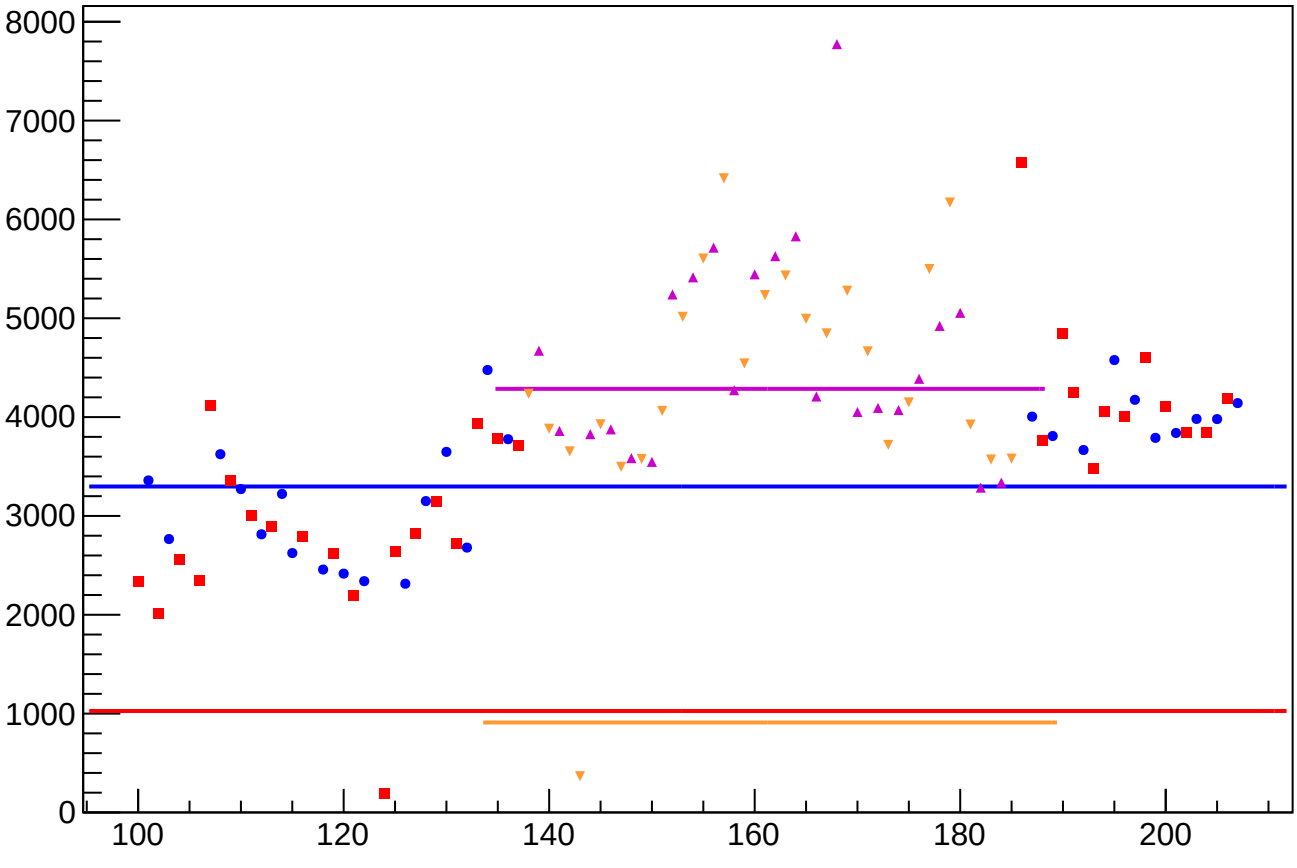
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 552.226+/-389.163 χ^2/NDF: 65.6/56

In: 123.309+/-663.791 χ^2/NDF:43.1/48

Out: 453.846+/-286.111 χ^2/NDF:66.4/55

All: 402.059+/-262.744 χ^2/NDF: 109.8/104



Right In: 3297.838+/-0.617 χ^2/NDF: 1237796.0/25

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

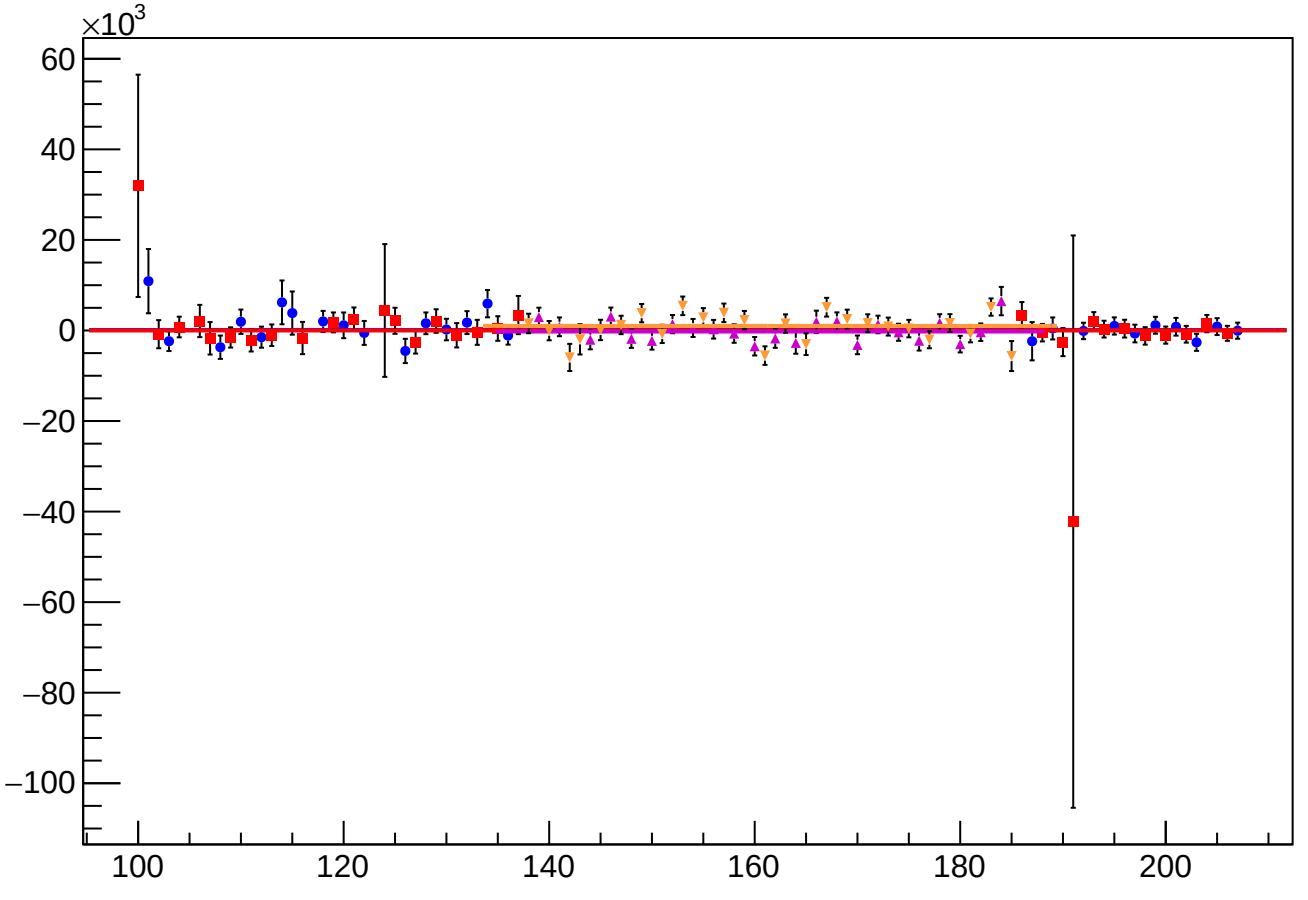
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1478.391+/-0.275 χ^2/NDF: 33266339.5/56

In: 3713.858+/-0.469 χ^2/NDF:3645836.0/48

Out: 960.544+/-0.202 χ^2/NDF:48022498.9/55

All: 1391.922+/-0.186 χ^2/NDF: 80686759.4/



Right In: 80.074+/-458.892 χ^2/NDF: 21.1/25

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

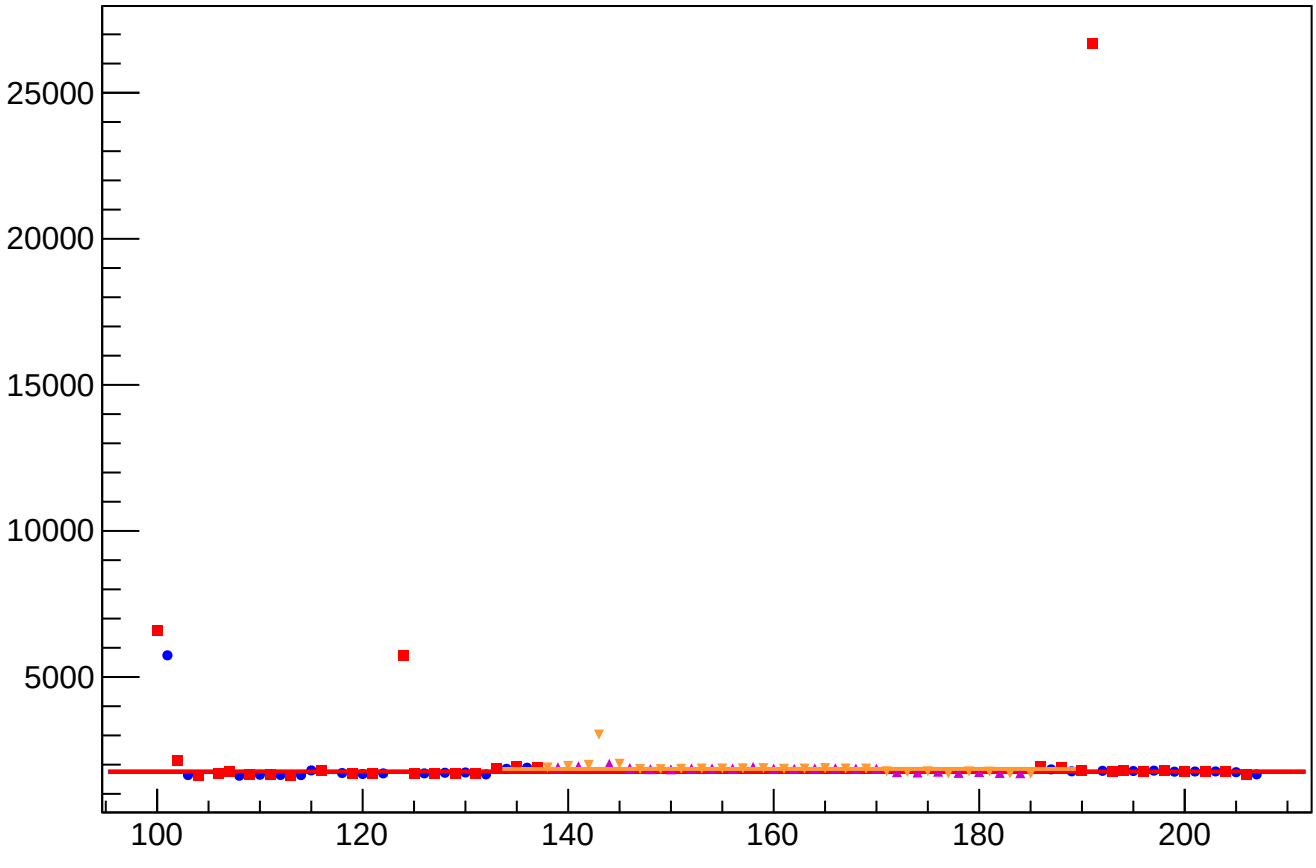
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 47.617+/-318.993 χ^2/NDF: 35.2/56

In: -84.732+/-313.656 χ^2/NDF:47.7/48

Out: 534.780+/-306.016 χ^2/NDF:64.0/55

All: 232.660+/-219.037 χ^2/NDF: 113.7/104



Right In: 1754.792+/-0.324 χ^2/NDF: 677527.4/25

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

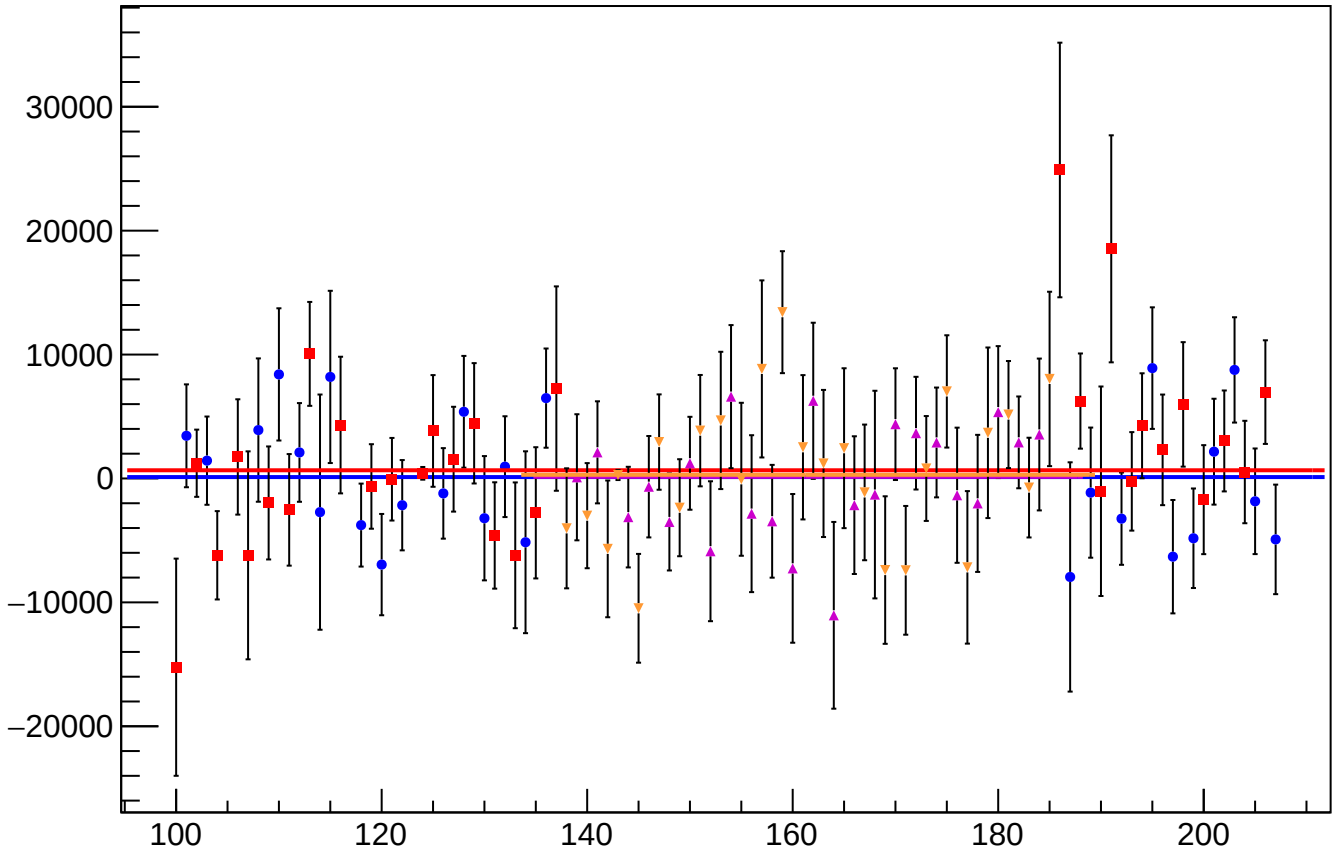
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1760.030+/-0.225 χ^2/NDF: 1314838.7/56

In: 1799.408+/-0.222 χ^2/NDF:781487.5/48

Out: 1810.786+/-0.216 χ^2/NDF:998816.7/55

All: 1805.242+/-0.155 χ^2/NDF: 1781653.5/10



Right In: 112.425+/-872.410 χ^2/NDF: 29.3/25

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

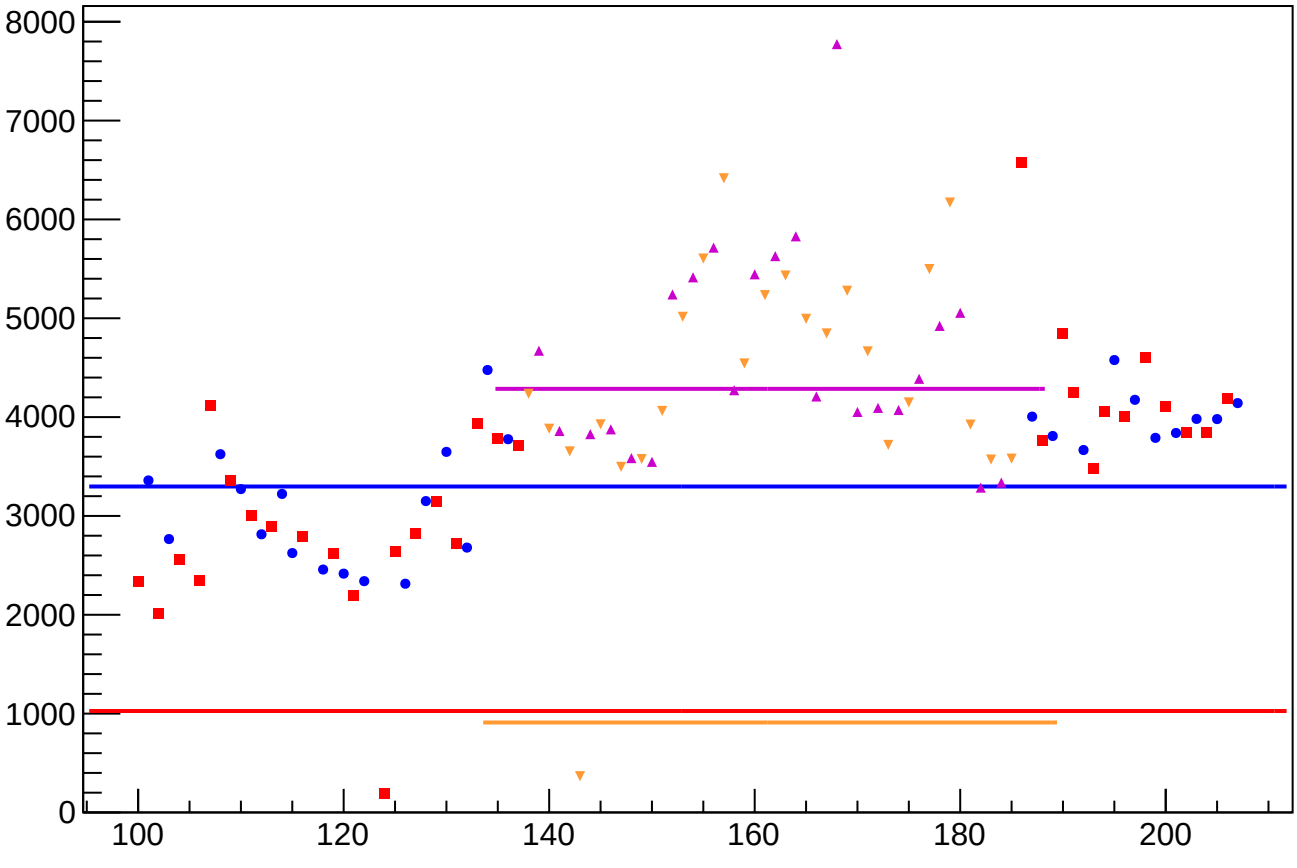
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 552.226+/-389.163 χ^2/NDF: 65.6/56

In: 123.309+/-663.791 χ^2/NDF:43.1/48

Out: 453.846+/-286.111 χ^2/NDF:66.4/55

All: 402.059+/-262.744 χ^2/NDF: 109.8/104



Right In: 3297.838+/-0.617 χ^2/NDF: 1237796.0/25

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

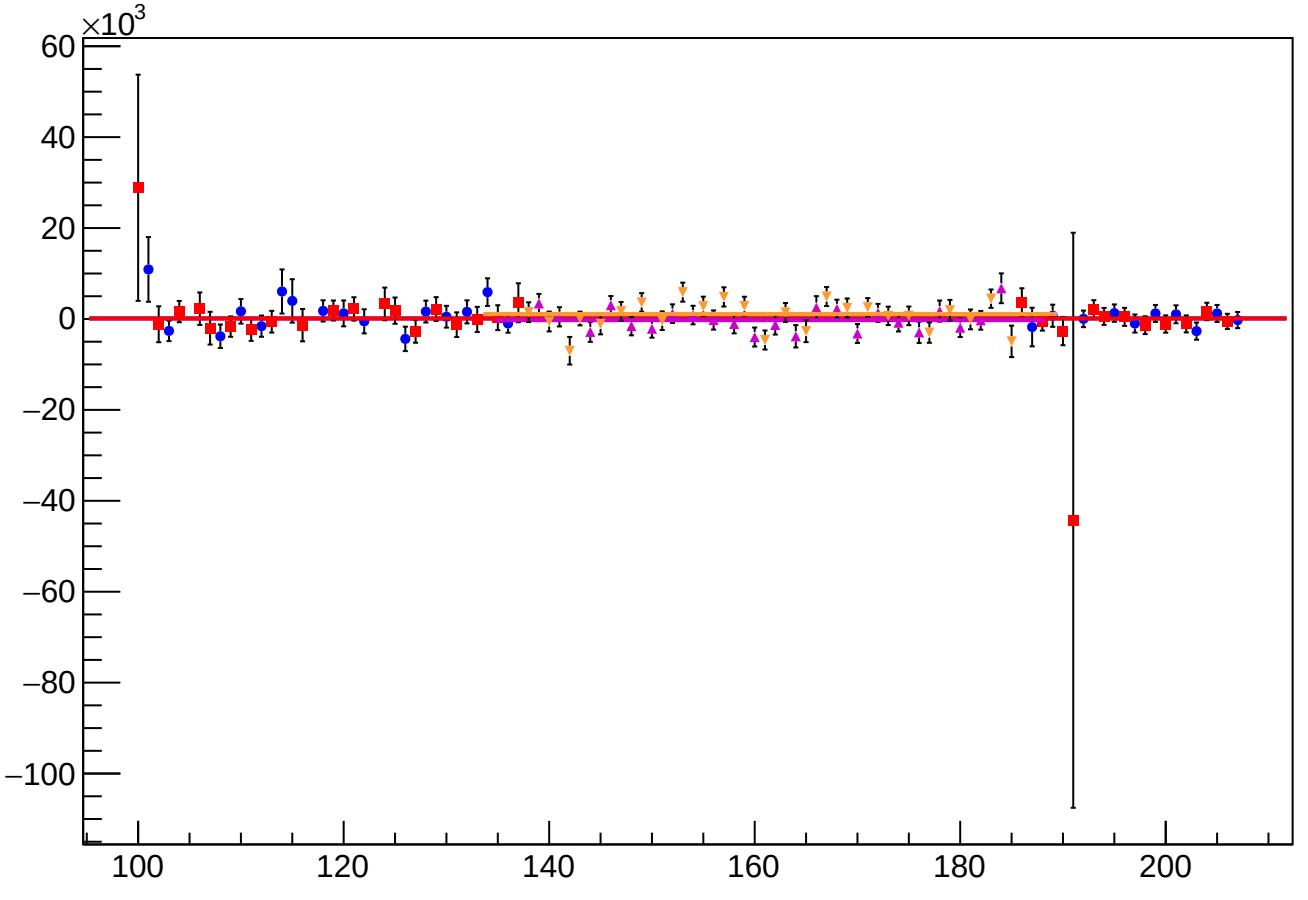
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1478.391+/-0.275 χ^2/NDF: 33266339.5/56

In: 3713.858+/-0.469 χ^2/NDF:3645836.0/48

Out: 960.544+/-0.202 χ^2/NDF:48022498.9/55

All: 1391.922+/-0.186 χ^2/NDF: 80686759.4/



Right In: 118.399+/-461.774 χ^2/NDF: 21.3/25

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

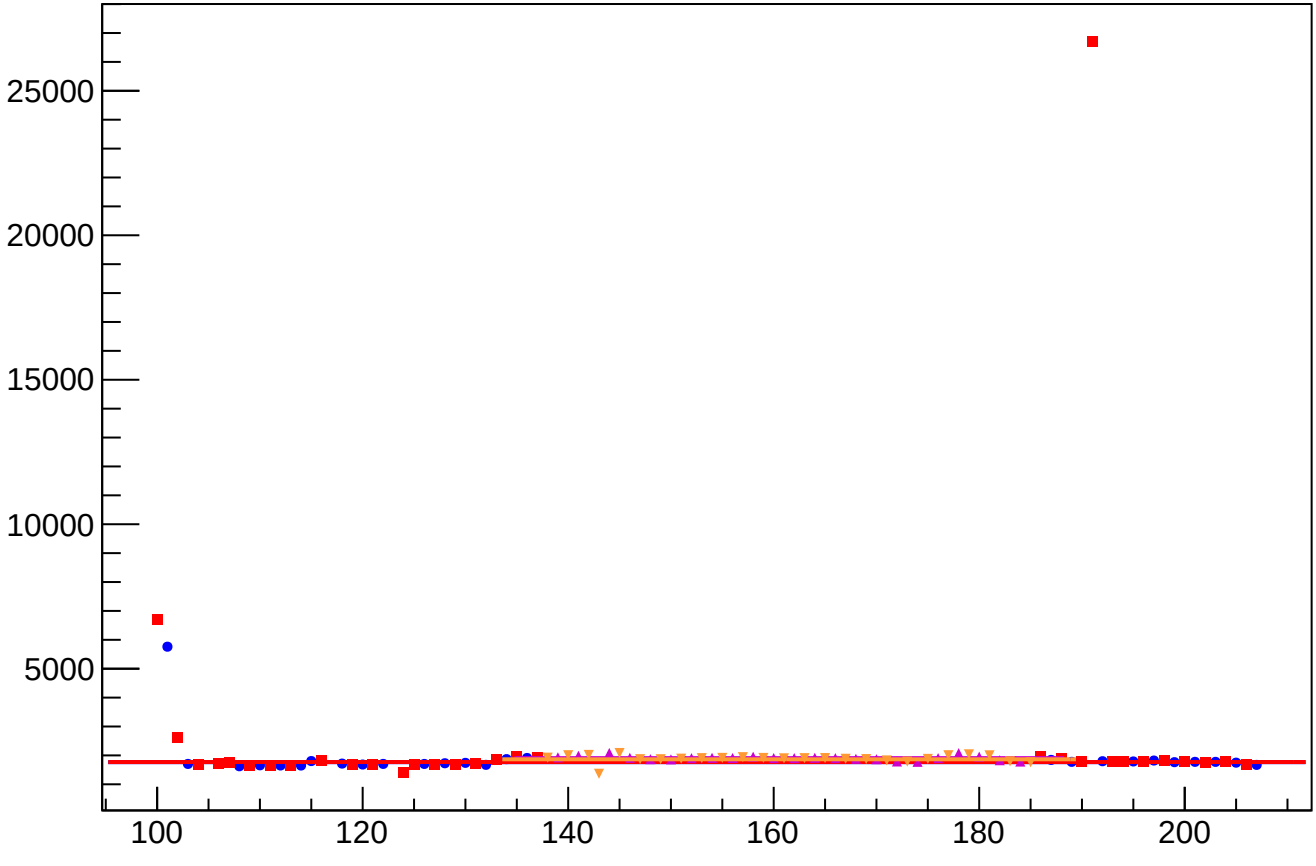
Right: 108.755+/-320.434 χ^2/NDF: 37.2/56

In: -80.036+/-320.560 χ^2/NDF:49.4/48

Out: 624.249+/-307.473 χ^2/NDF:63.3/55

All: 286.776+/-221.899 χ^2/NDF: 115.2/104

dit_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1765.802+/-0.327 χ^2/NDF: 676924.8/25

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

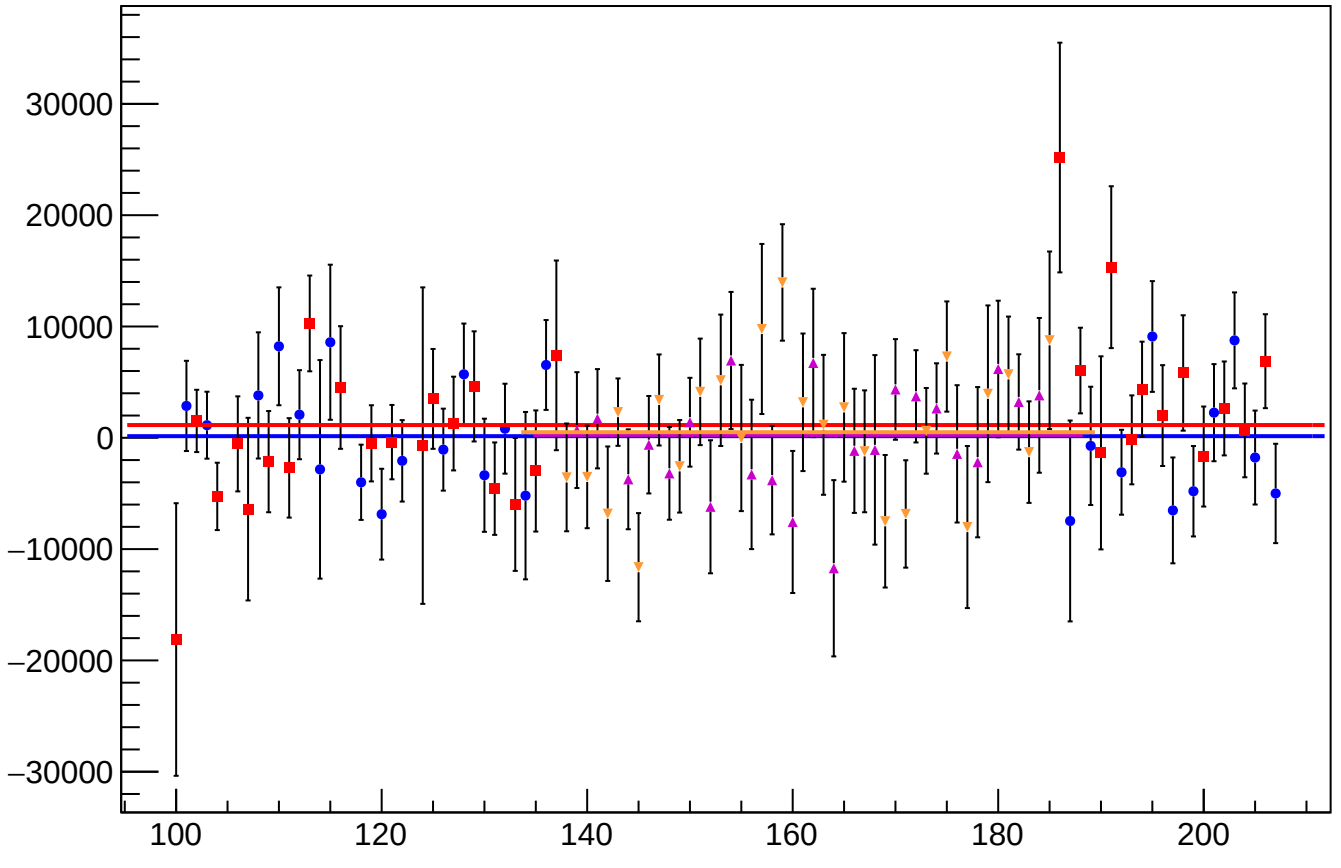
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1767.975+/-0.226 χ^2/NDF: 1245638.2/56

In: 1838.245+/-0.227 χ^2/NDF:824712.8/48

Out: 1819.496+/-0.217 χ^2/NDF:910892.2/55

All: 1828.474+/-0.157 χ^2/NDF: 1739170.5/10



Right In: 146.836+/-867.299 χ^2/NDF: 28.9/25

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

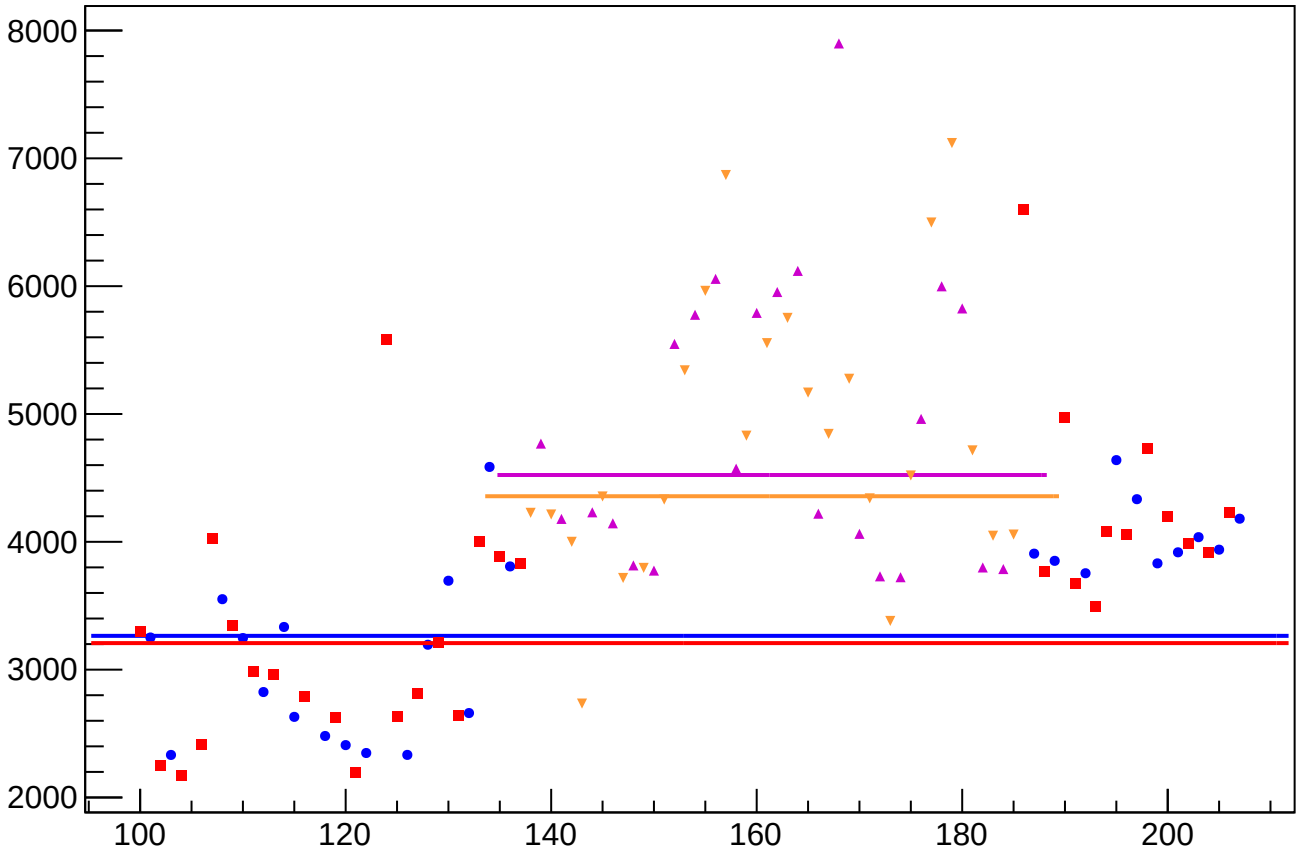
Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

Right: 675.080+/-595.535 χ^2/NDF: 64.3/56

In: 191.544+/-676.582 χ^2/NDF:42.5/48

Out: 895.087+/-639.116 χ^2/NDF:64.9/55

All: 563.333+/-464.604 χ^2/NDF: 108.1/104



Right In: 3264.428+/-0.613 χ^2/NDF: 1448870.7/25

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

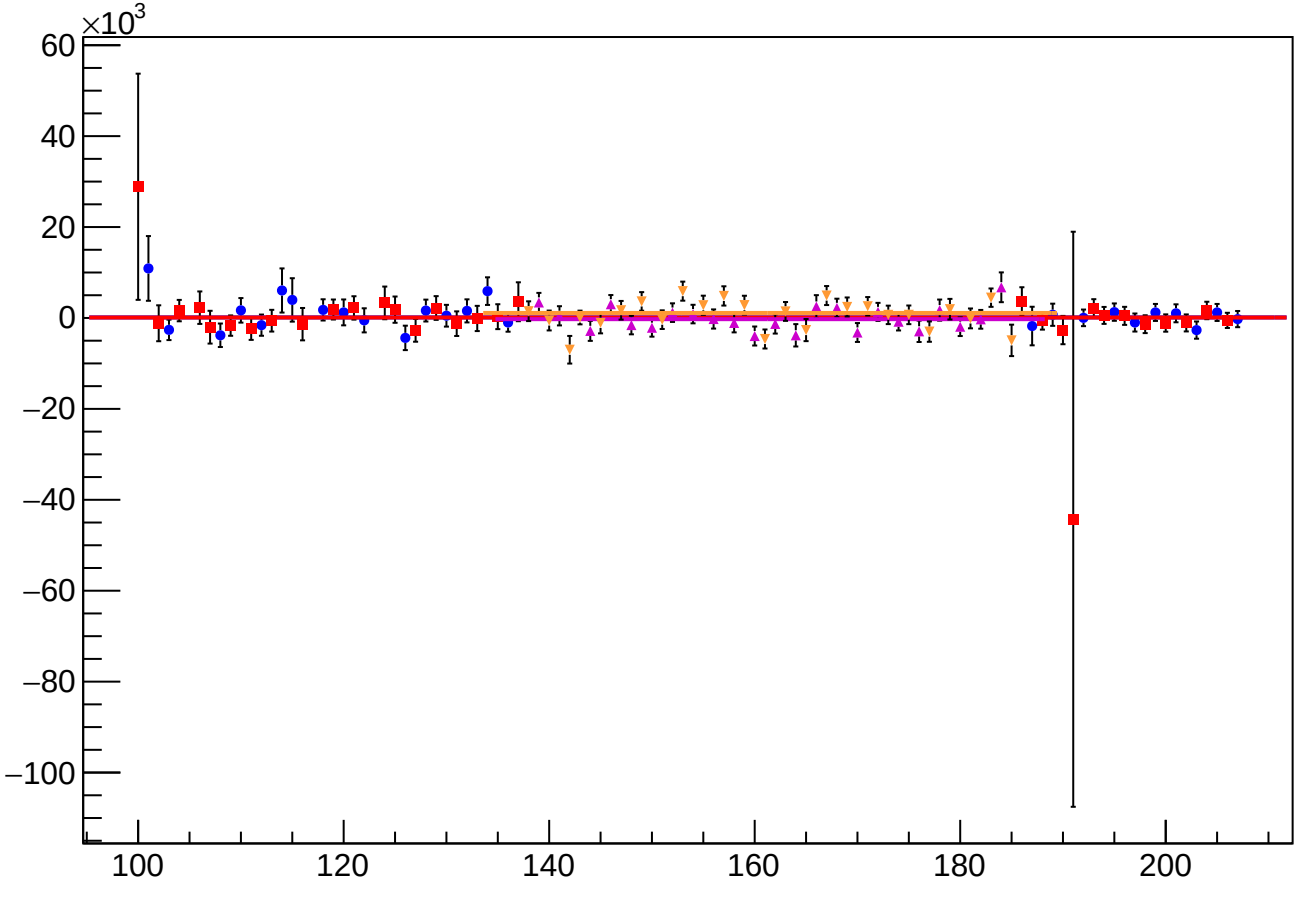
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3234.465+/-0.421 χ^2/NDF: 3525192.1/56

In: 3757.001+/-0.478 χ^2/NDF:4530919.7/48

Out: 3657.319+/-0.452 χ^2/NDF:5523560.7/55

All: 3704.324+/-0.329 χ^2/NDF: 10077422.2/1



Right In: 118.399+/-461.774 χ^2/NDF: 21.3/25

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

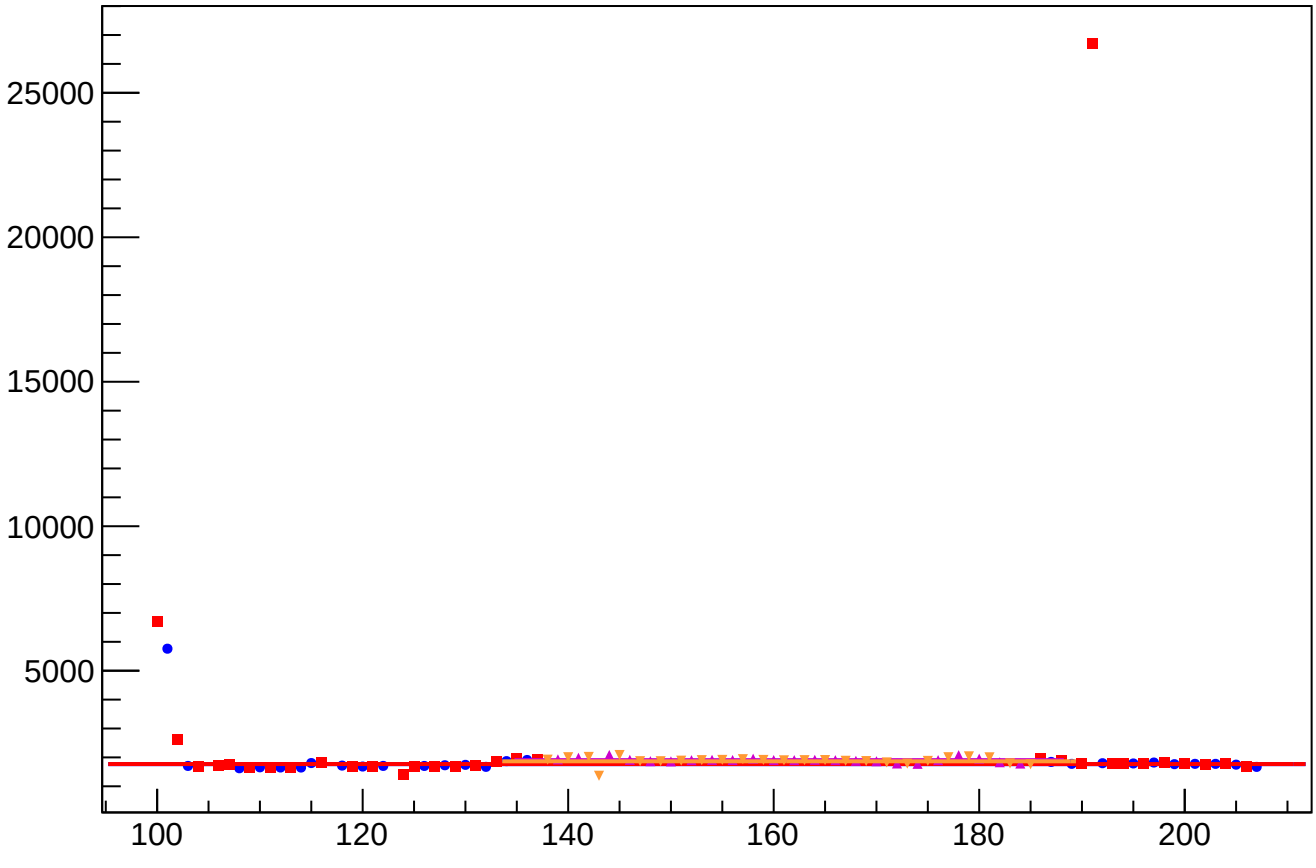
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 108.754+/-320.434 χ^2/NDF: 37.2/56

In: -80.036+/-320.561 χ^2/NDF:49.4/48

Out: 624.249+/-307.474 χ^2/NDF:63.3/55

All: 286.776+/-221.899 χ^2/NDF: 115.2/104



Right In: 1765.802+/-0.327 χ^2/NDF: 676924.8/25

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

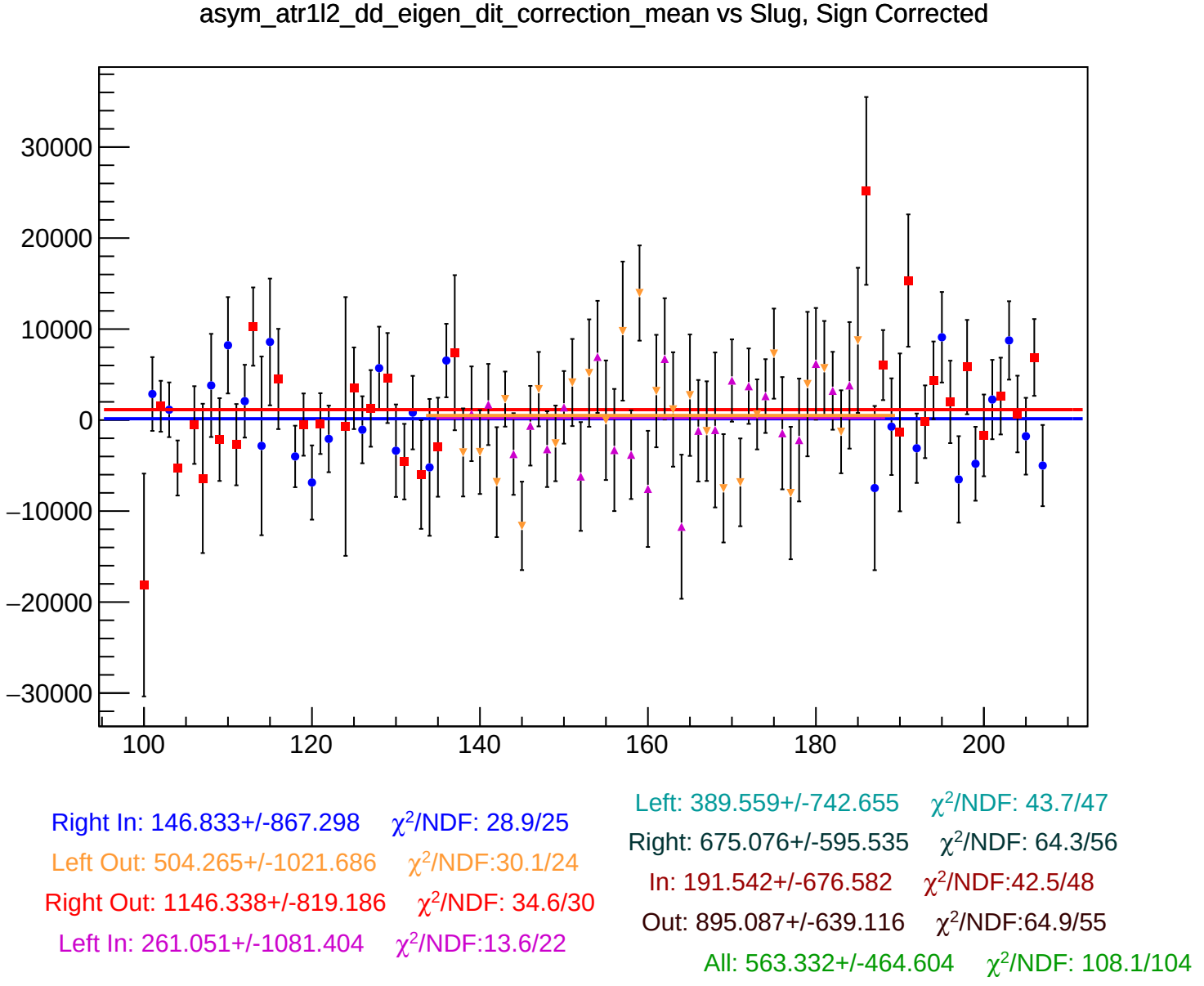
Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

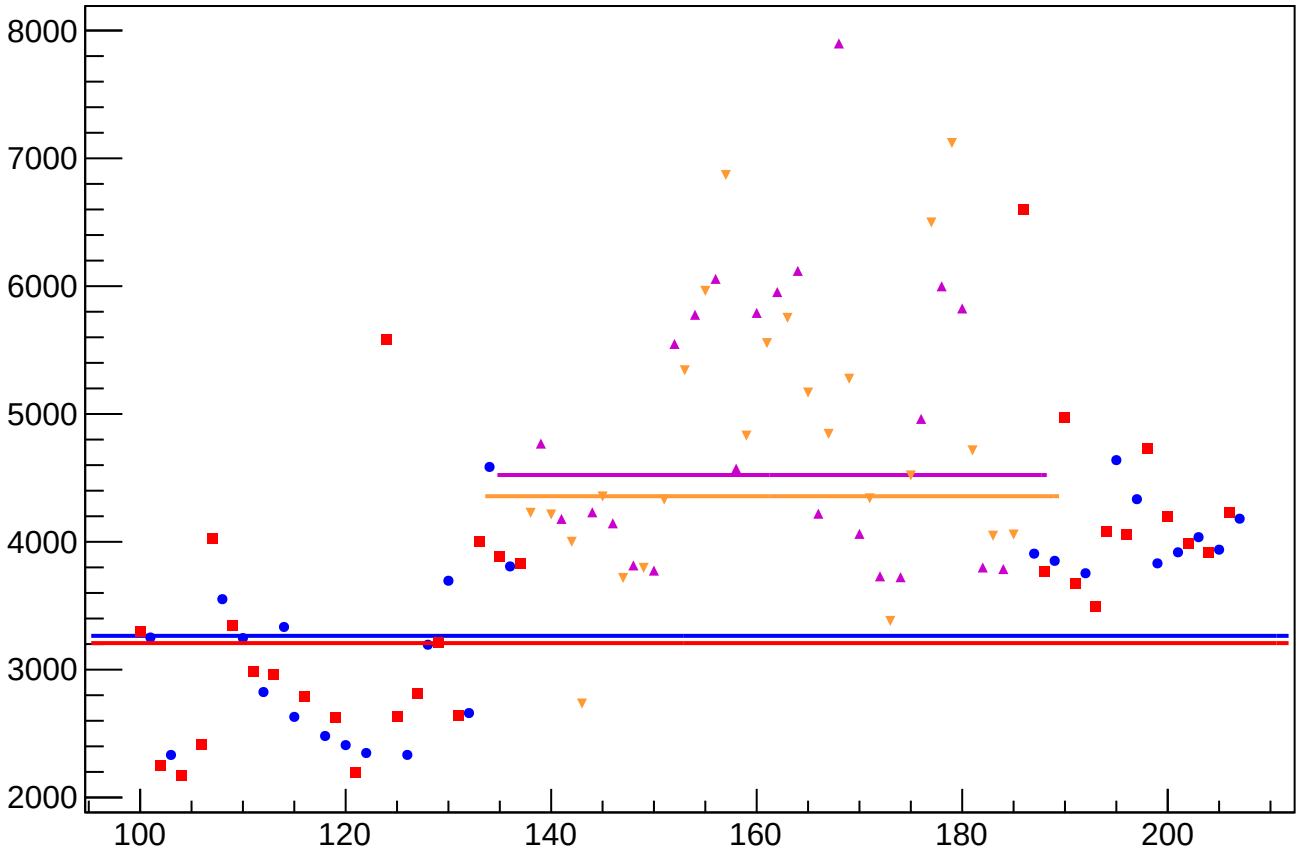
Right: 1767.976+/-0.226 χ^2/NDF: 1245638.2/56

In: 1838.246+/-0.227 χ^2/NDF:824716.4/48

Out: 1819.497+/-0.217 χ^2/NDF:910896.4/55

All: 1828.475+/-0.157 χ^2/NDF: 1739178.3/10


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: 146.833+/-867.298 χ²/NDF: 28.9/25
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: 675.076+/-595.535 χ²/NDF: 64.3/56
In: 191.542+/-676.582 χ²/NDF:42.5/48
Out: 895.087+/-639.116 χ²/NDF:64.9/55
All: 563.332+/-464.604 χ²/NDF: 108.1/104



Right In: 3264.423+/-0.613 χ^2/NDF: 1448898.3/25

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

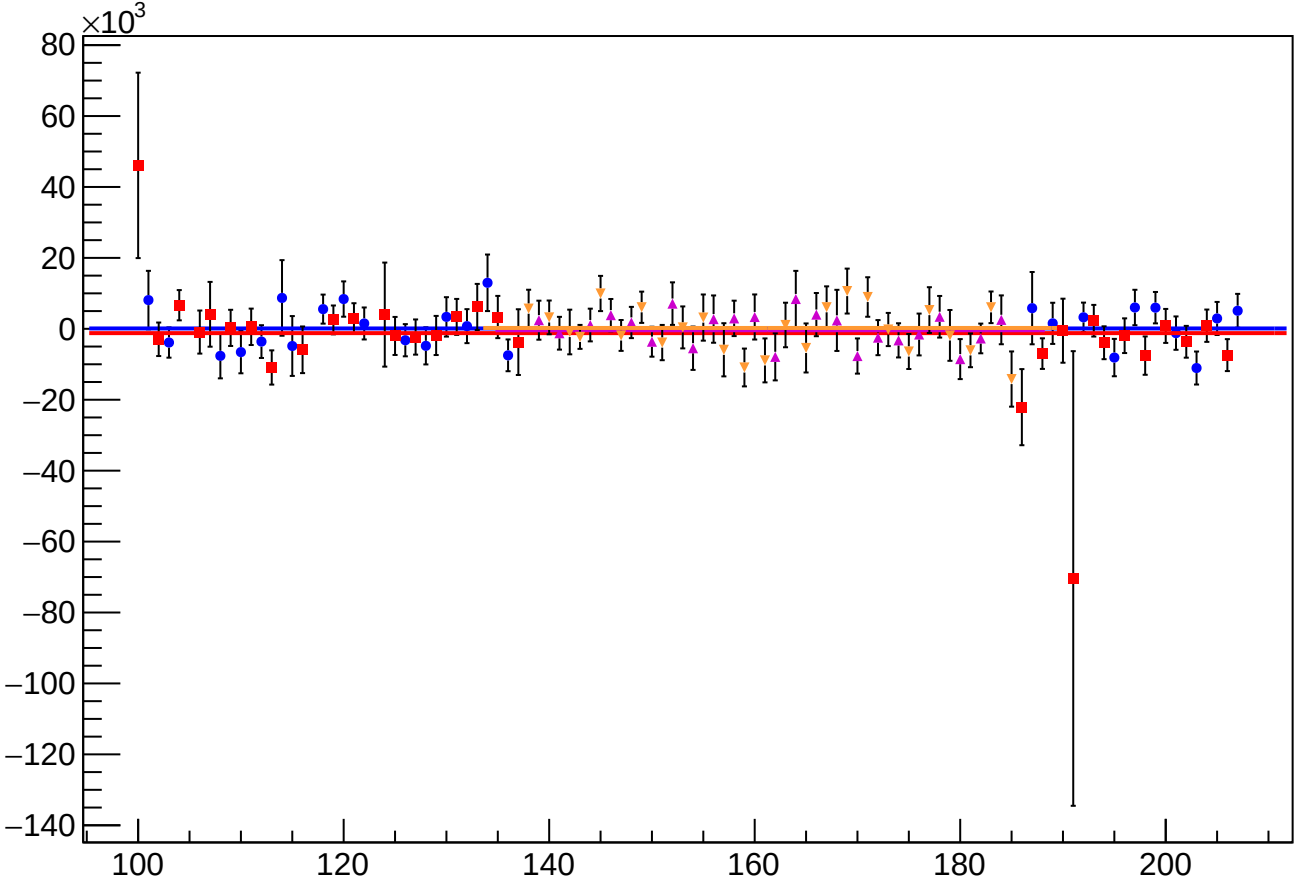
Right: 3234.462+/-0.421 χ^2/NDF: 3525236.1/56

In: 3757.000+/-0.478 χ^2/NDF:4530978.3/48

Out: 3657.319+/-0.452 χ^2/NDF:5523606.8/55

All: 3704.323+/-0.329 χ^2/NDF: 10077526.5/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 98.996+/-1013.469 χ^2/NDF: 31.9/25

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

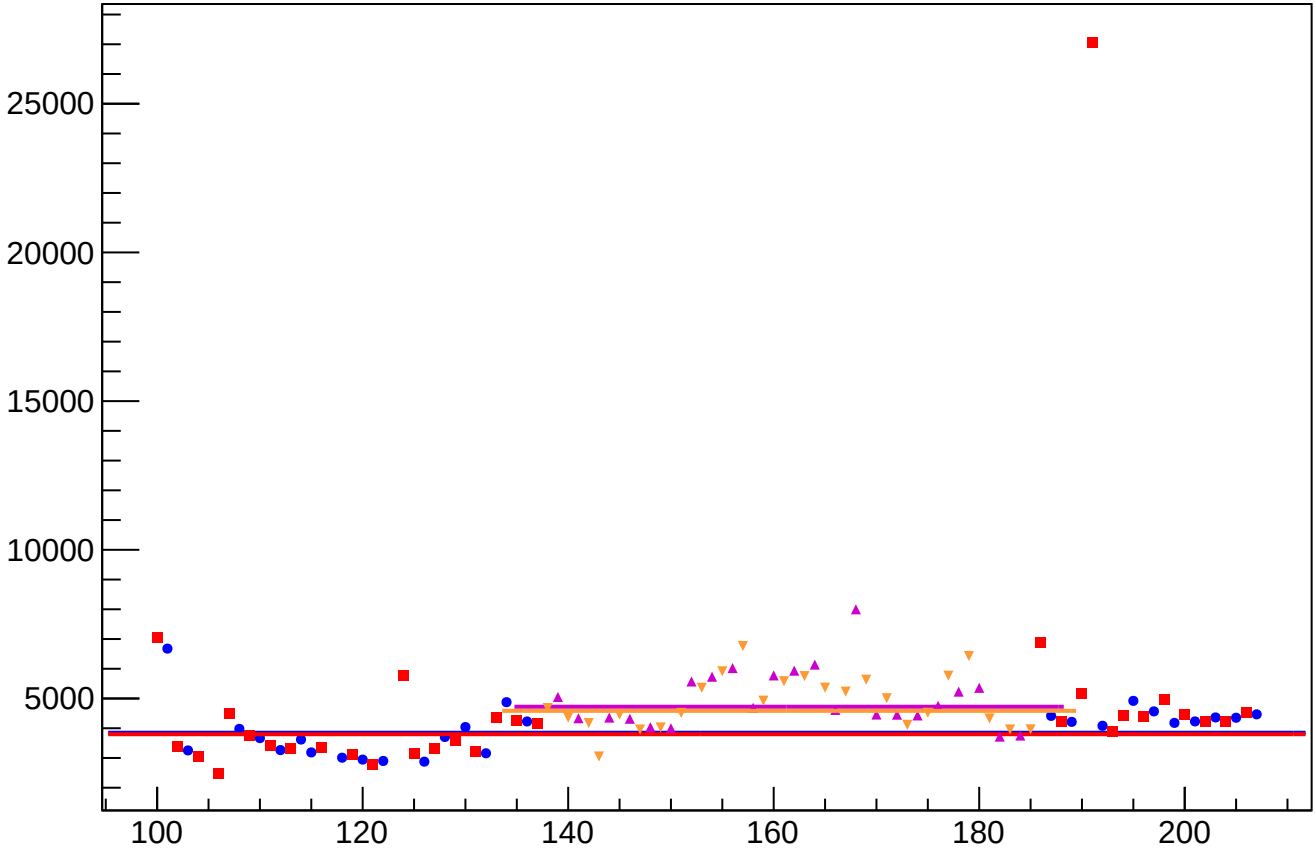
Right: -583.948+/-702.479 χ^2/NDF: 61.1/56

In: -124.403+/-751.878 χ^2/NDF:46.2/48

Out: -551.935+/-718.869 χ^2/NDF:61.6/55

All: -347.760+/-519.595 χ^2/NDF: 107.9/104

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3848.477+/-0.717 χ^2/NDF: 995410.2/25

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

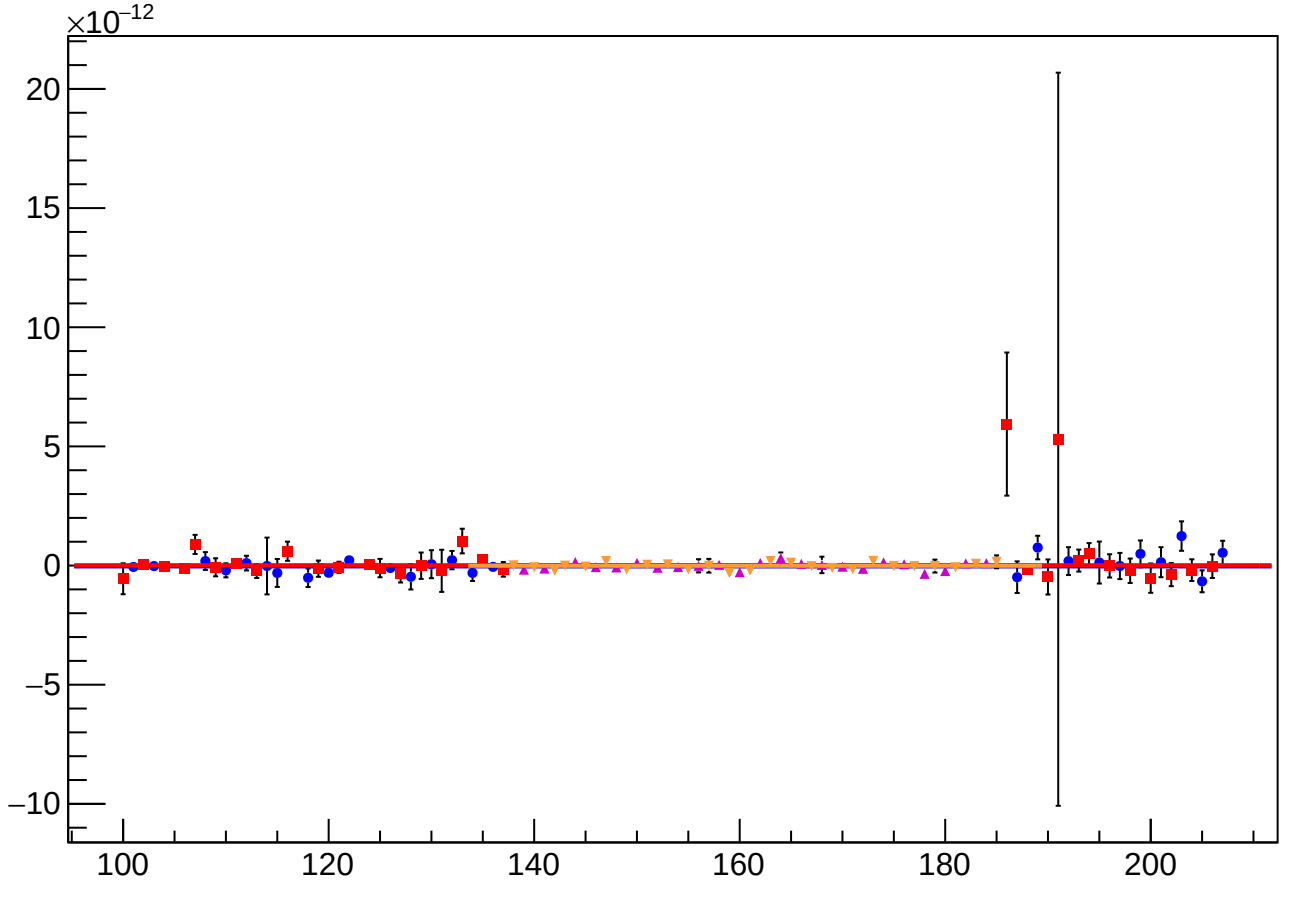
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3822.481+/-0.495 χ^2/NDF: 2413164.9/56

In: 4241.674+/-0.532 χ^2/NDF:2681598.0/48

Out: 4153.898+/-0.506 χ^2/NDF:3324256.0/55

All: 4195.620+/-0.367 χ^2/NDF: 6020155.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/25

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

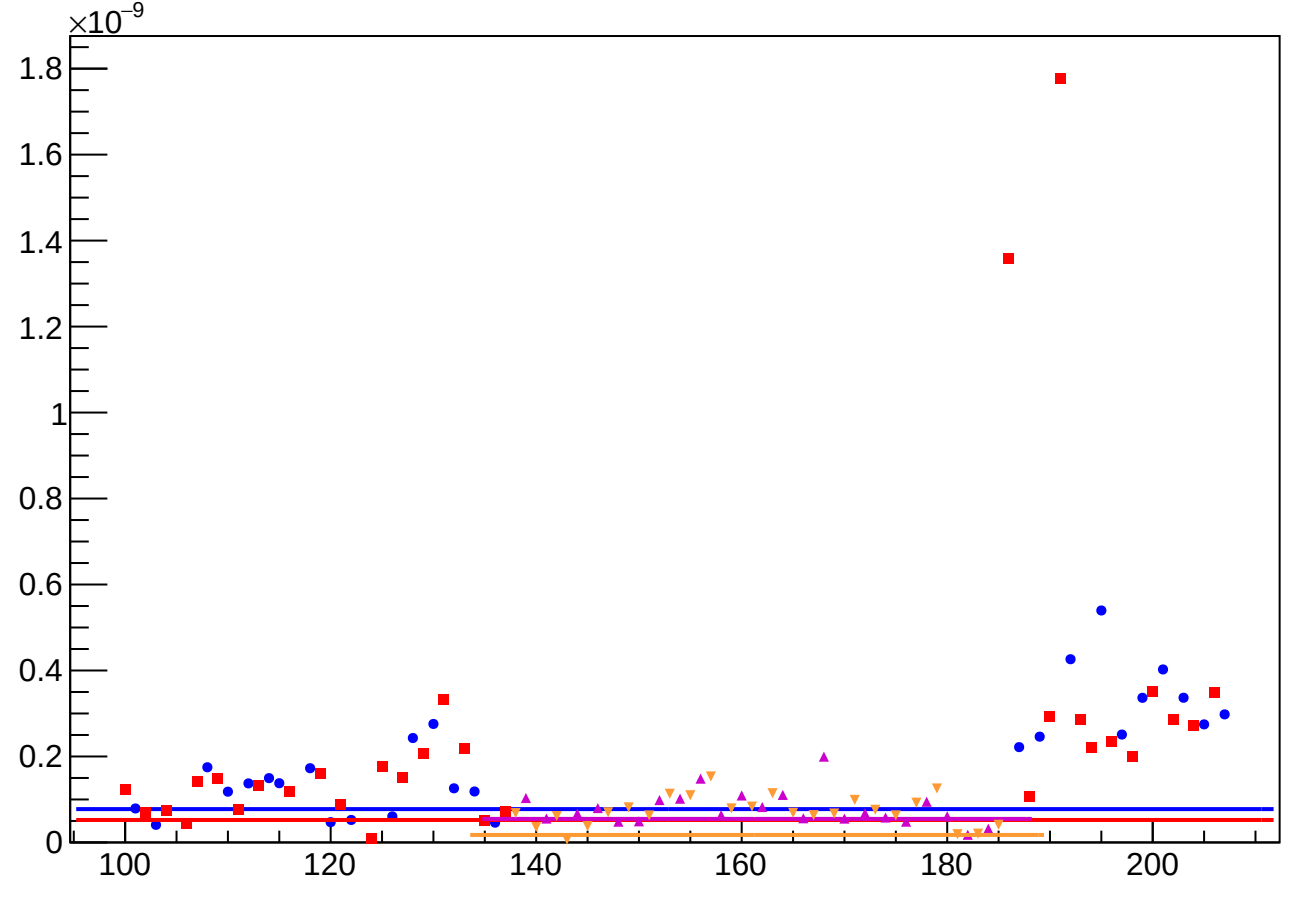
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 48.0/56

In: 0.000+/-0.000 χ^2/NDF:47.5/48

Out: -0.000+/-0.000 χ^2/NDF:50.0/55

All: -0.000+/-0.000 χ^2/NDF: 97.7/104



Right In: 0.000+/-0.000 χ^2/NDF: 5490184.1/25

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

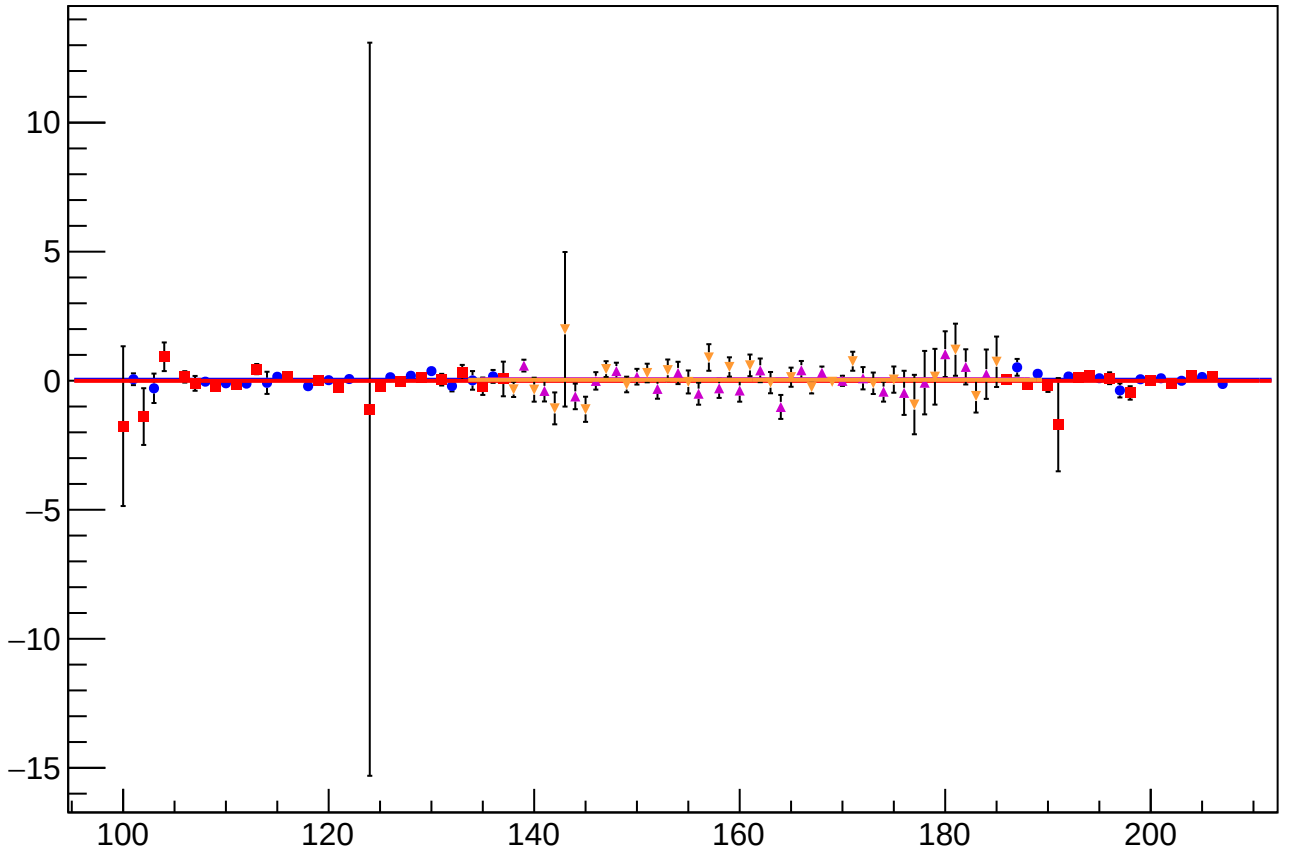
Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

Right: 0.000+/-0.000 χ^2/NDF: 13404348.3/56

In: 0.000+/-0.000 χ^2/NDF:8716212.3/48

Out: 0.000+/-0.000 χ^2/NDF:18209235.8/55

All: 0.000+/-0.000 χ^2/NDF: 32505829.5/104



Right In: 0.037+/-0.035 χ^2/NDF: 21.8/25

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

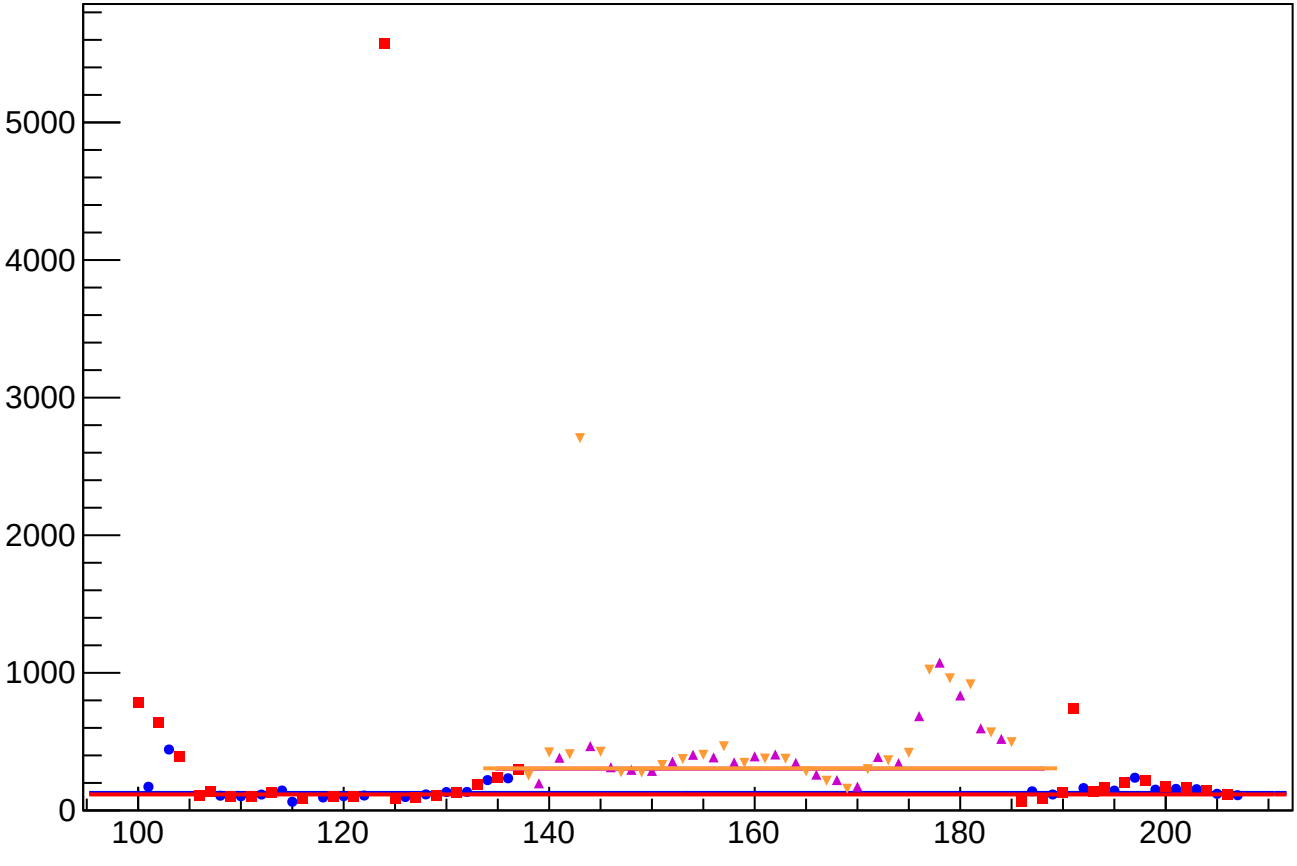
Right: 0.014+/-0.024 χ^2/NDF: 58.3/56

In: 0.041+/-0.032 χ^2/NDF:47.9/48

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.019+/-0.022 χ^2/NDF: 115.1/104

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.431+/-0.025 χ^2/NDF: 2440365.0/25

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

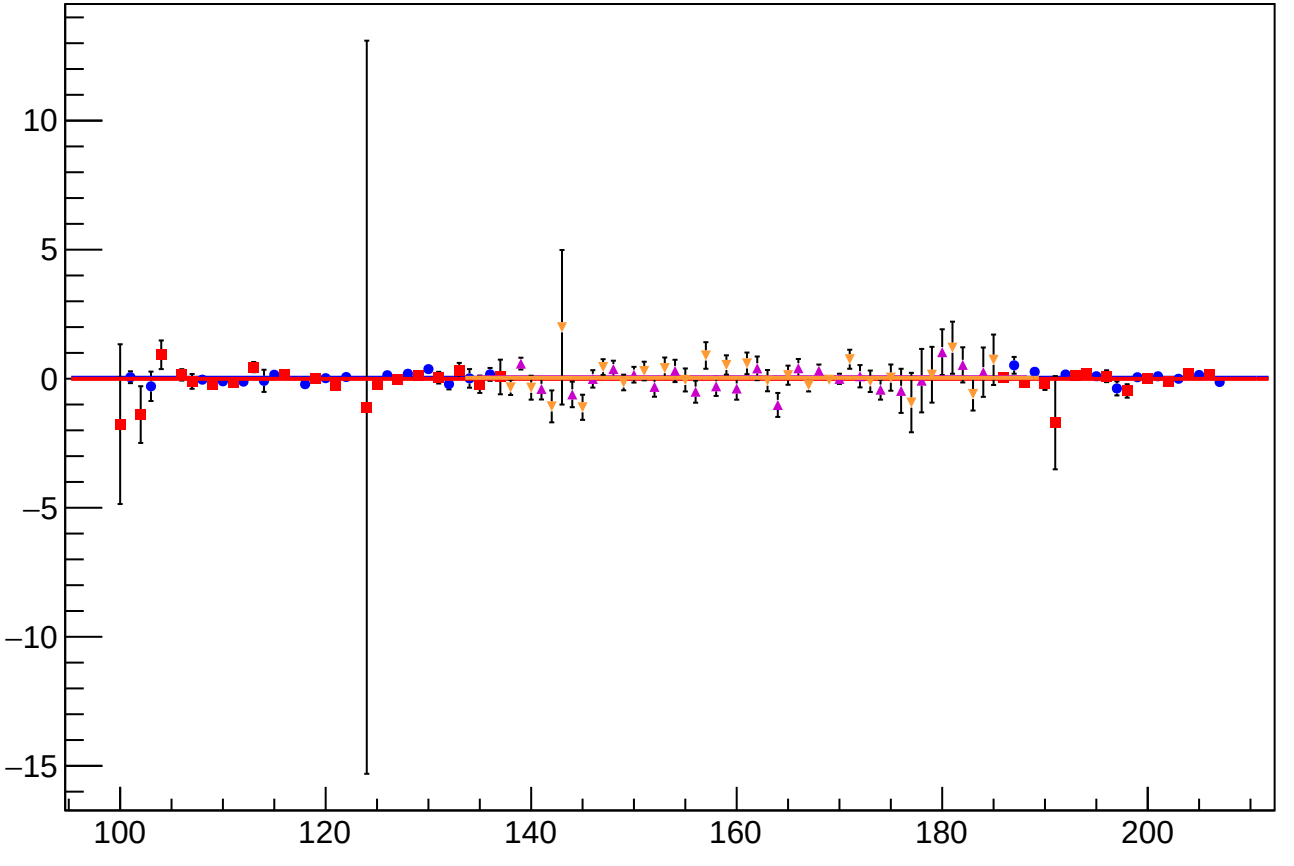
Right: 121.452+/-0.017 χ^2/NDF: 6909747.1/56

In: 157.936+/-0.023 χ^2/NDF:15807063.7/48

Out: 144.466+/-0.021 χ^2/NDF:21076642.4/55

All: 150.721+/-0.016 χ^2/NDF: 37071201.3/10

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.035 χ^2/NDF: 21.8/25

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

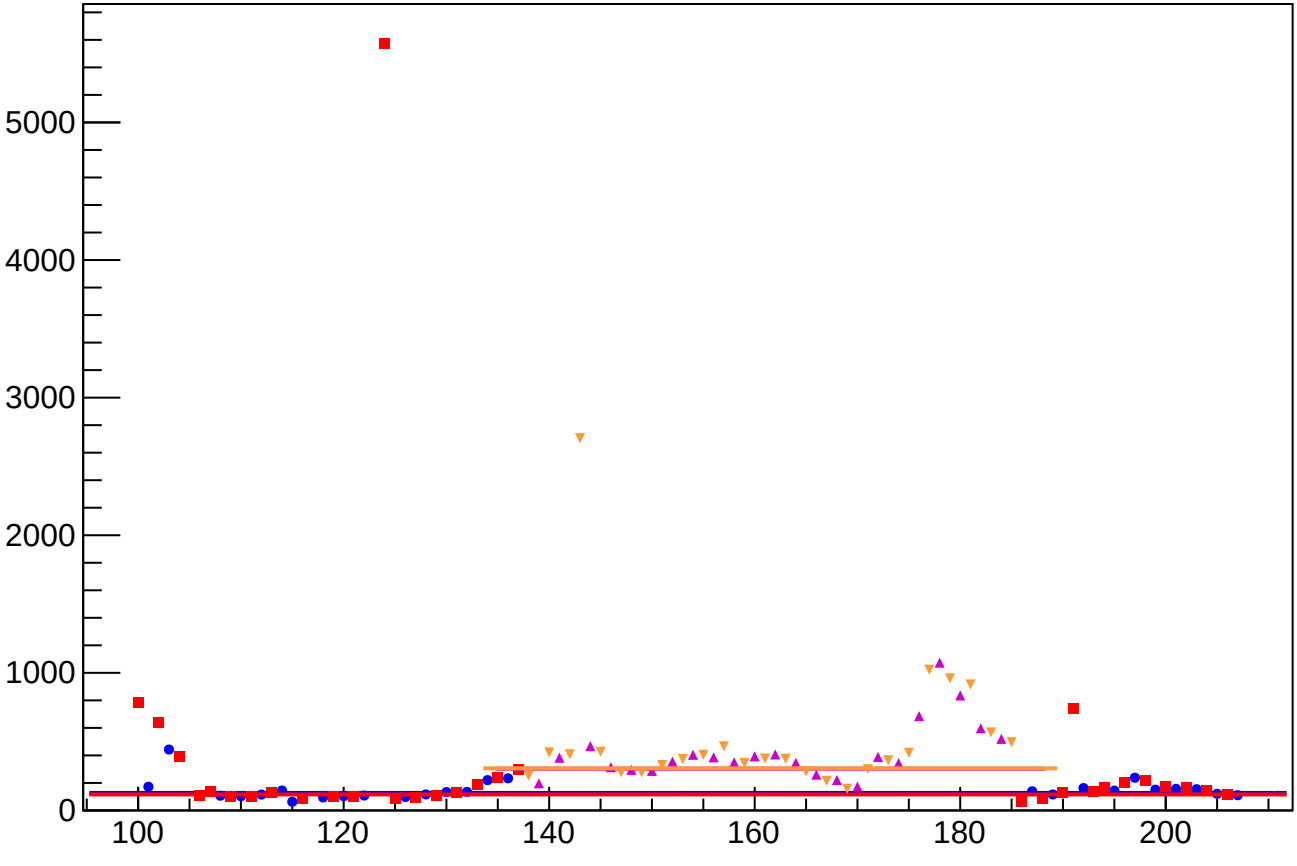
Right: 0.014+/-0.024 χ^2/NDF: 58.3/56

In: 0.041+/-0.032 χ^2/NDF:47.9/48

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.019+/-0.022 χ^2/NDF: 115.1/104

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.431+/-0.025 χ^2/NDF: 2440365.0/25

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

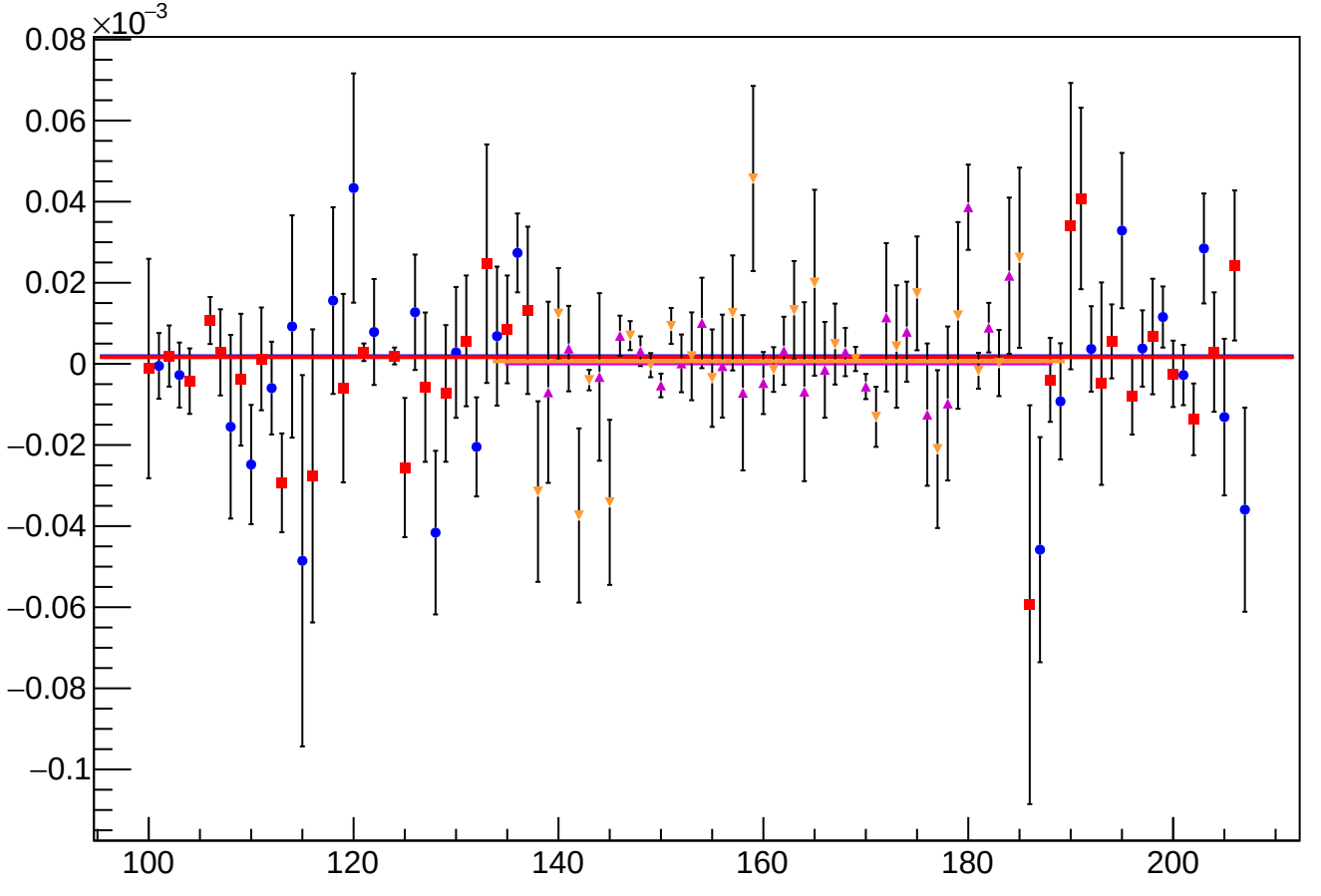
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 121.452+/-0.017 χ^2/NDF: 6909747.1/56

In: 157.936+/-0.023 χ^2/NDF:15807063.7/48

Out: 144.466+/-0.021 χ^2/NDF:21076642.4/55

All: 150.721+/-0.016 χ^2/NDF: 37071201.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 39.3/25

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

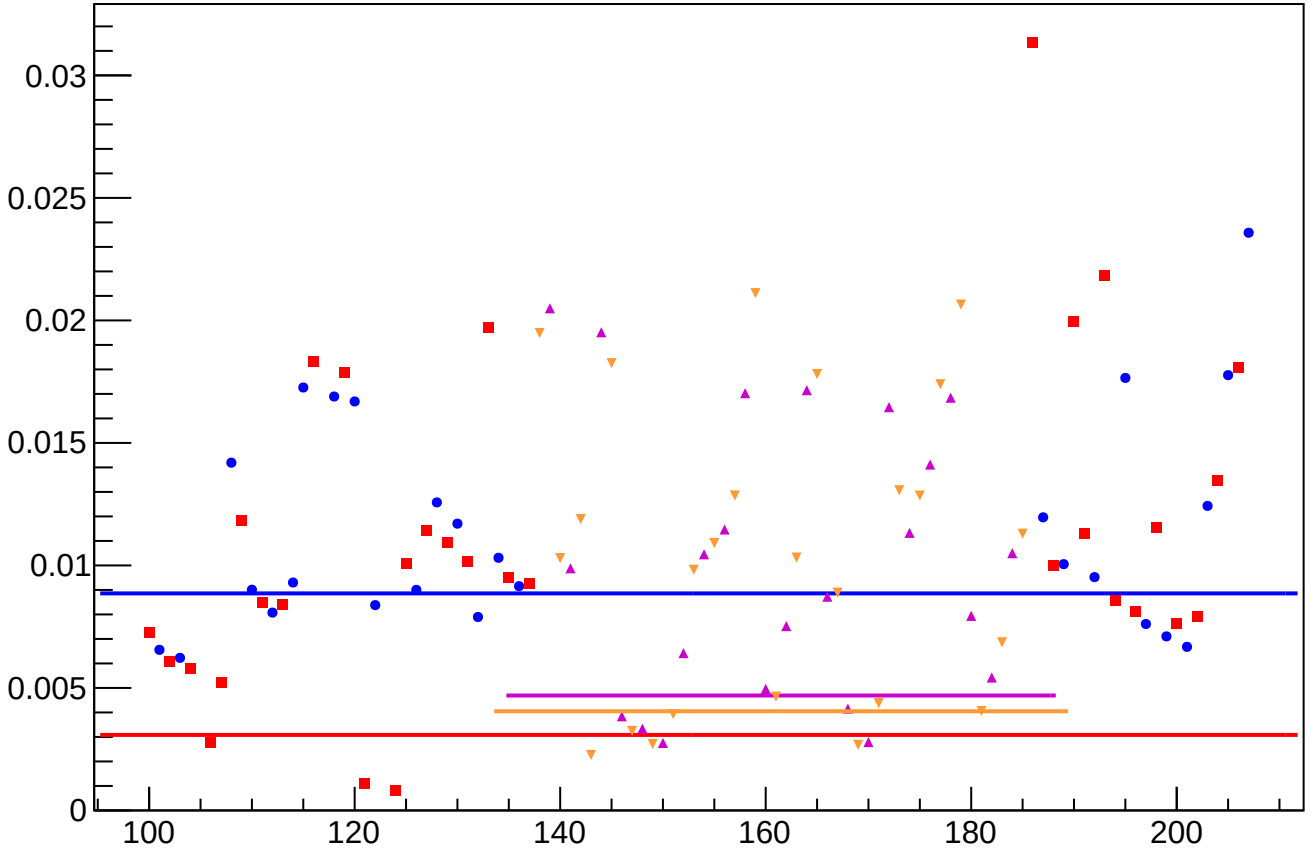
Right: 0.000+/-0.000 χ^2/NDF: 66.1/56

In: 0.000+/-0.000 χ^2/NDF:69.5/48

Out: 0.000+/-0.000 χ^2/NDF:61.7/55

All: 0.000+/-0.000 χ^2/NDF: 131.4/104

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 3158389.2/25

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

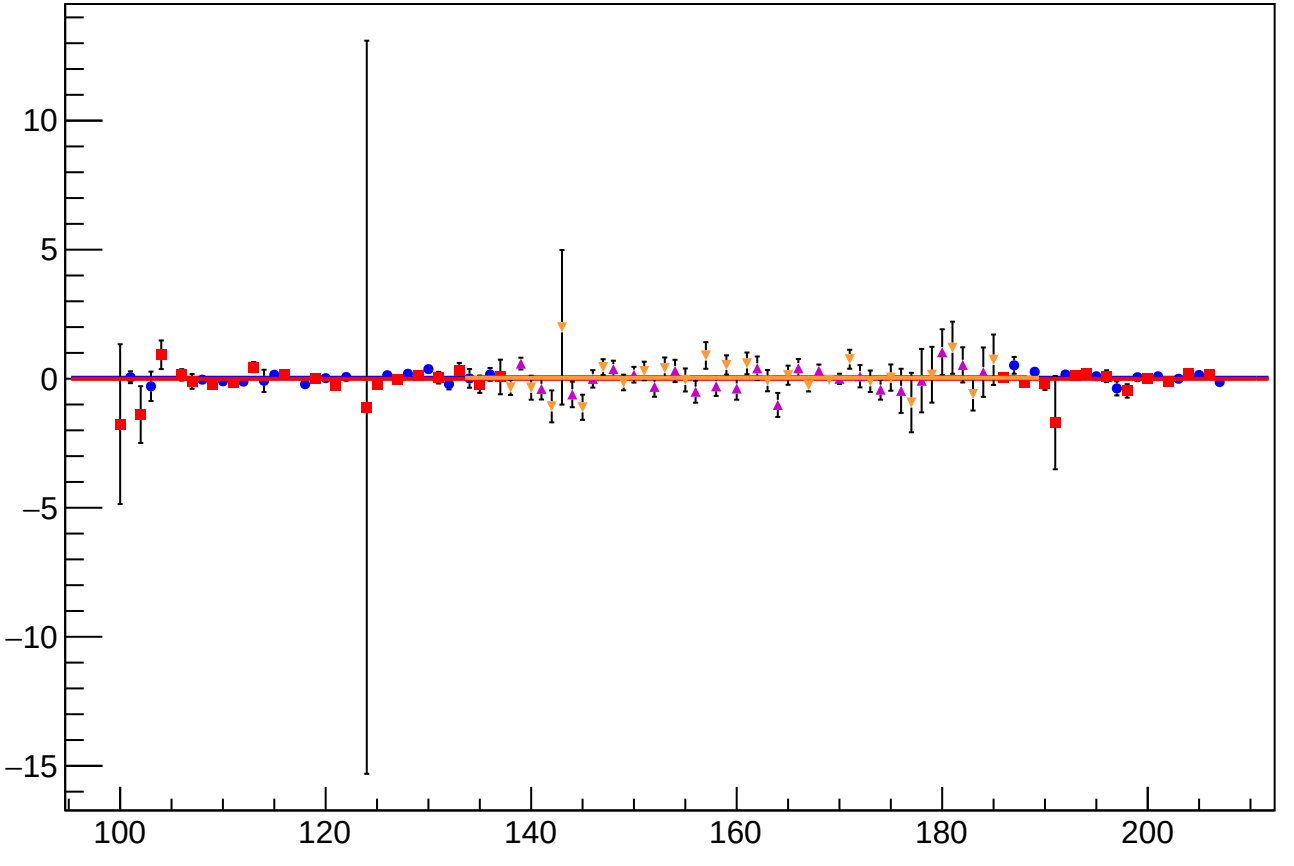
Right: 0.004+/-0.000 χ^2/NDF: 30773042.7/56

In: 0.006+/-0.000 χ^2/NDF:18296863.3/48

Out: 0.004+/-0.000 χ^2/NDF:33155030.5/55

All: 0.004+/-0.000 χ^2/NDF: 55433456.9/104

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.037+/-0.035 χ^2/NDF: 21.8/25

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

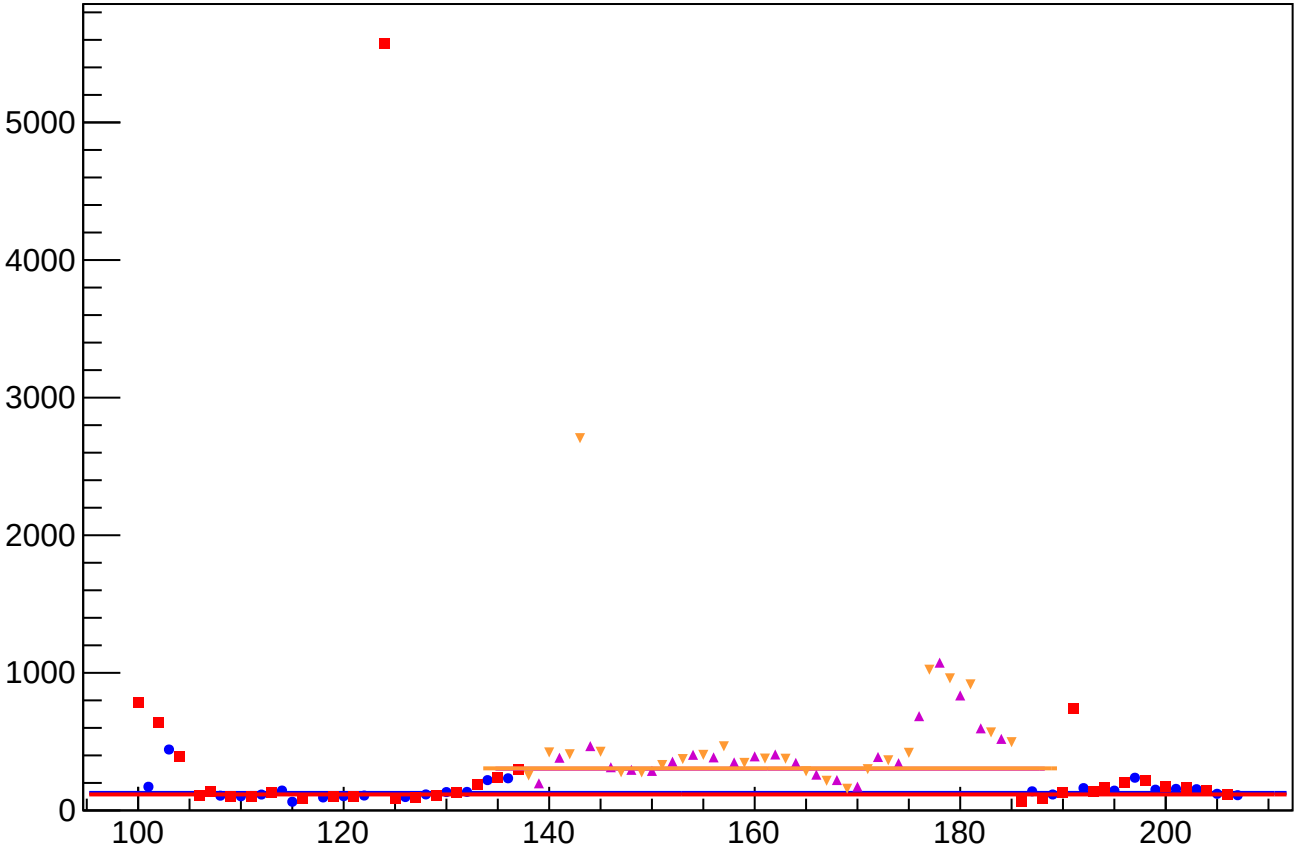
Right: 0.014+/-0.024 χ^2/NDF: 58.3/56

In: 0.041+/-0.032 χ^2/NDF:47.9/48

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.019+/-0.022 χ^2/NDF: 115.1/104

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.432+/-0.025 χ^2/NDF: 2440321.8/25

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

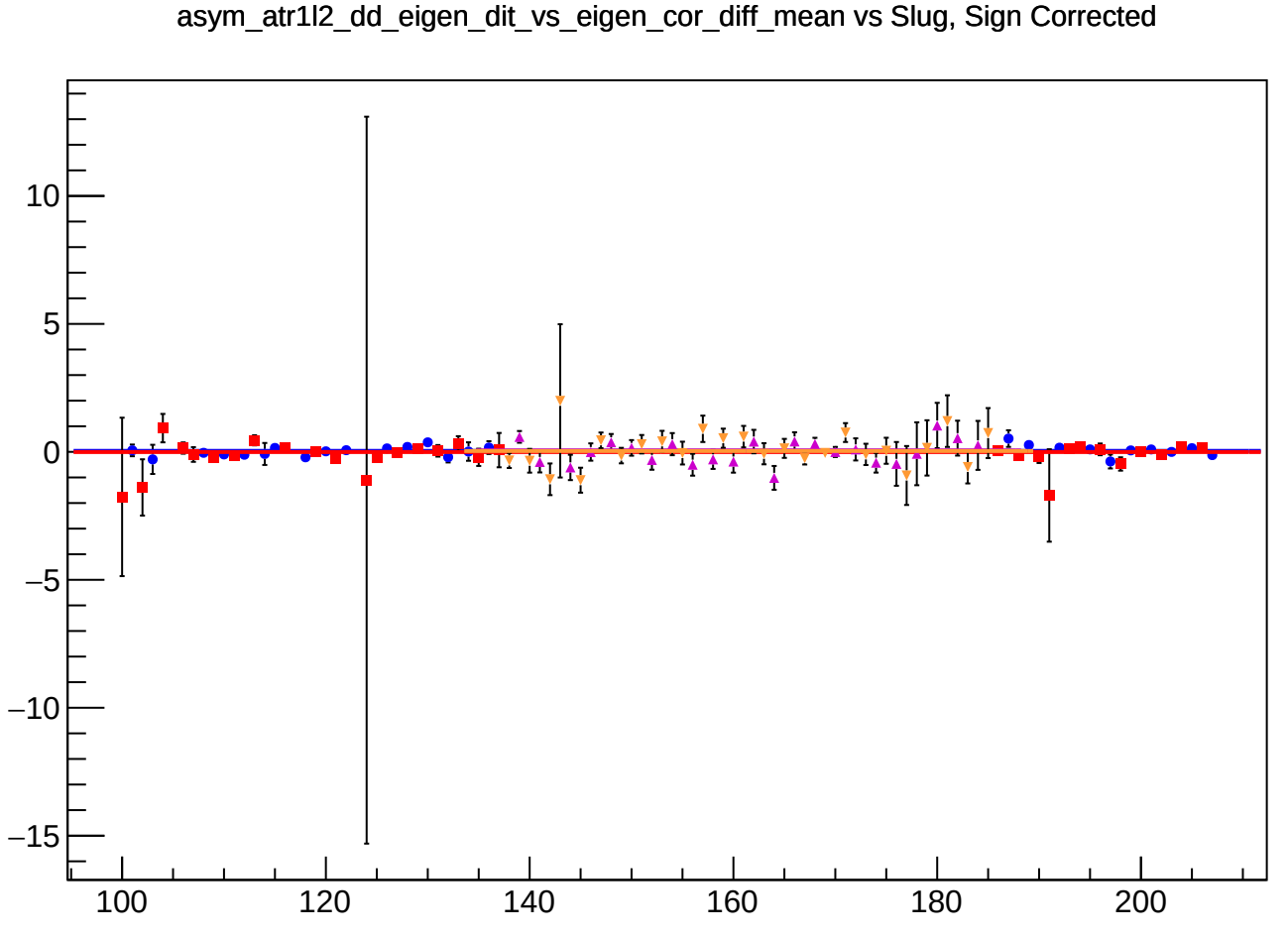
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 121.453+/-0.017 χ^2/NDF: 6909515.6/56

In: 157.937+/-0.023 χ^2/NDF:15807029.4/48

Out: 144.467+/-0.021 χ^2/NDF:21076455.9/55

All: 150.722+/-0.016 χ^2/NDF: 37070979.6/10



Right In: 0.037+/-0.035 χ^2/NDF: 21.8/25

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

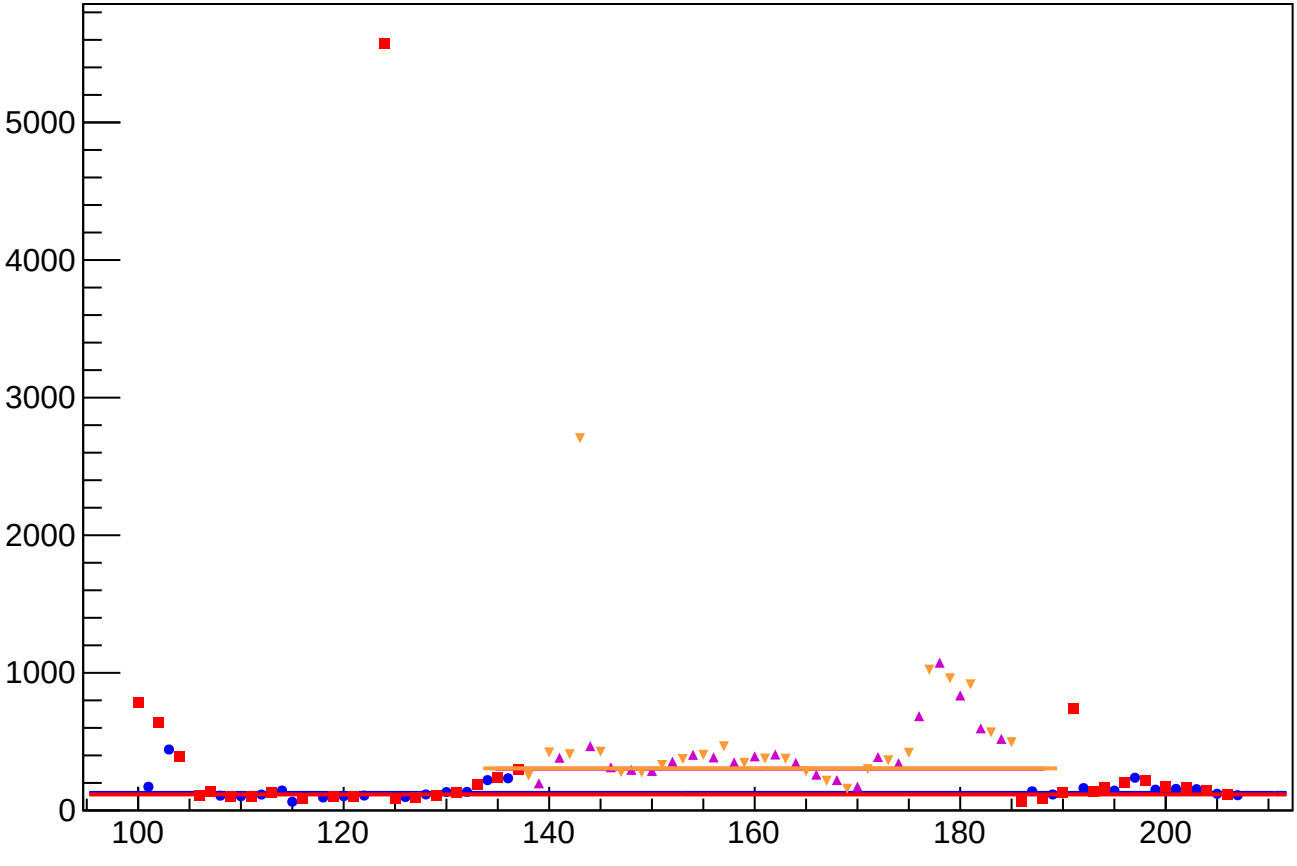
Right: 0.014+/-0.024 χ^2/NDF: 58.3/56

In: 0.041+/-0.032 χ^2/NDF:47.9/48

Out: 0.000+/-0.030 χ^2/NDF:66.4/55

All: 0.019+/-0.022 χ^2/NDF: 115.1/104

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.432+/-0.025 χ^2/NDF: 2440321.8/25

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

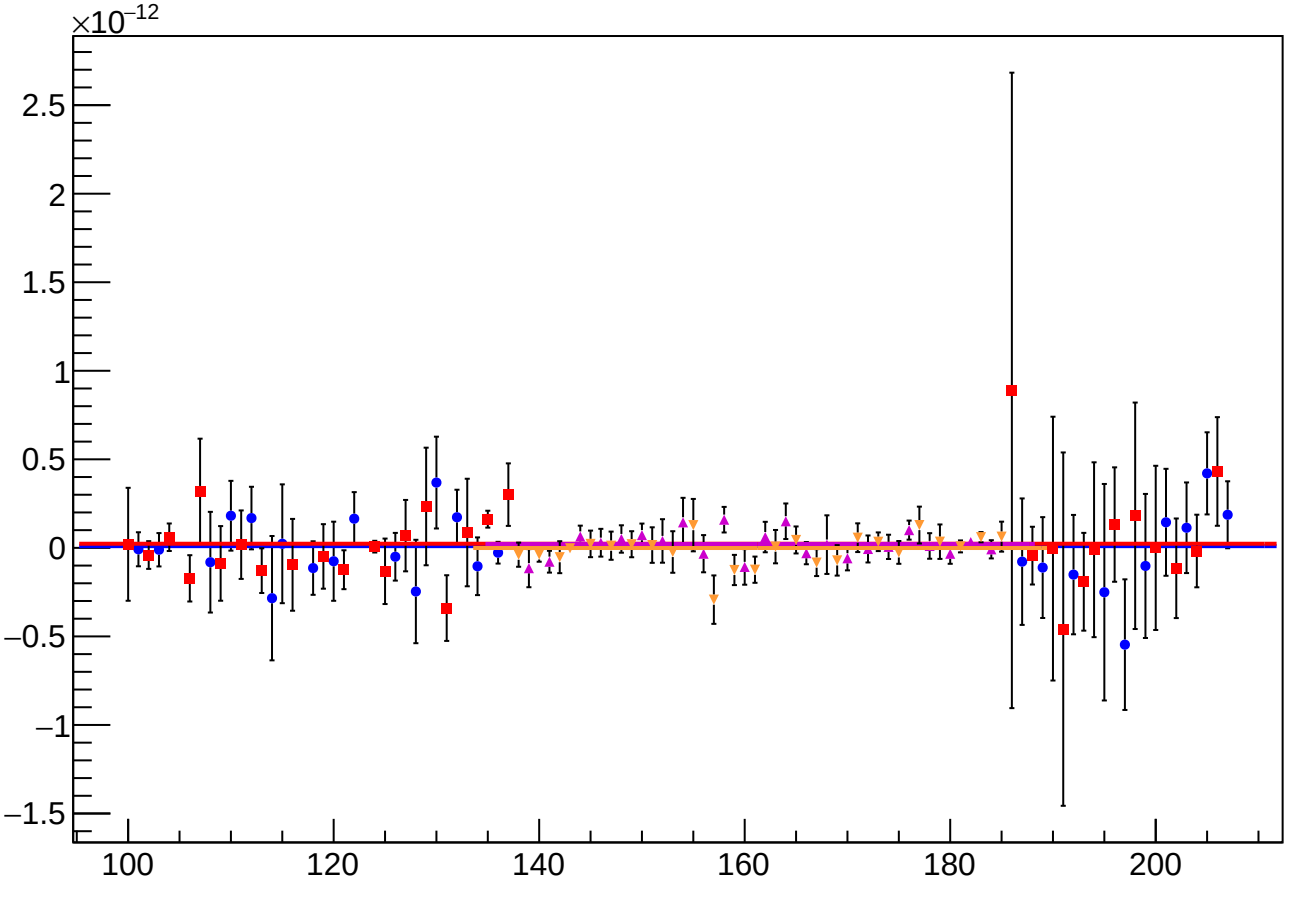
Right: 121.453+/-0.017 χ^2/NDF: 6909515.6/56

In: 157.937+/-0.023 χ^2/NDF:15807029.4/48

Out: 144.467+/-0.021 χ^2/NDF:21076455.9/55

All: 150.722+/-0.016 χ^2/NDF: 37070979.6/10

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 16.6/25

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

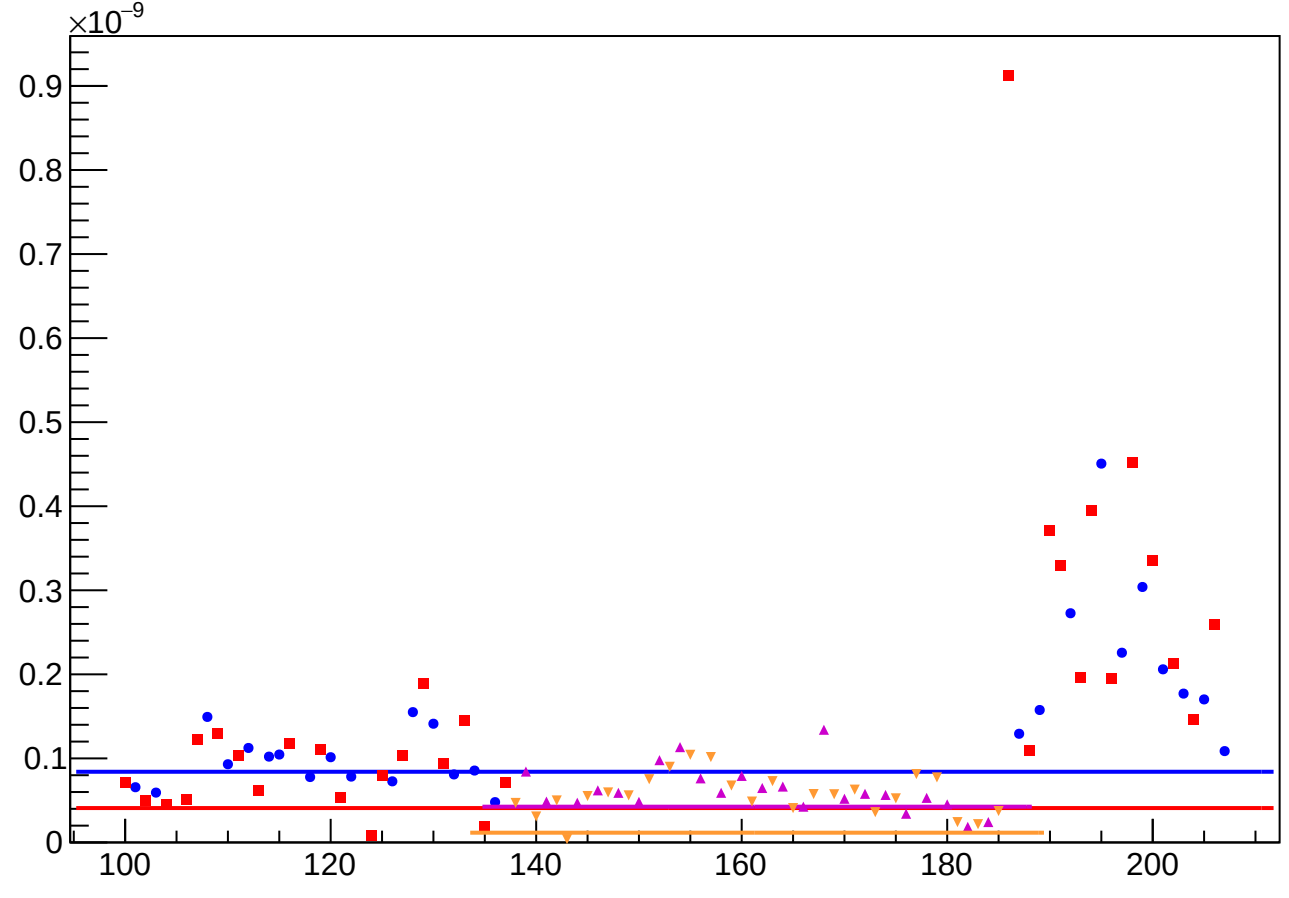
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

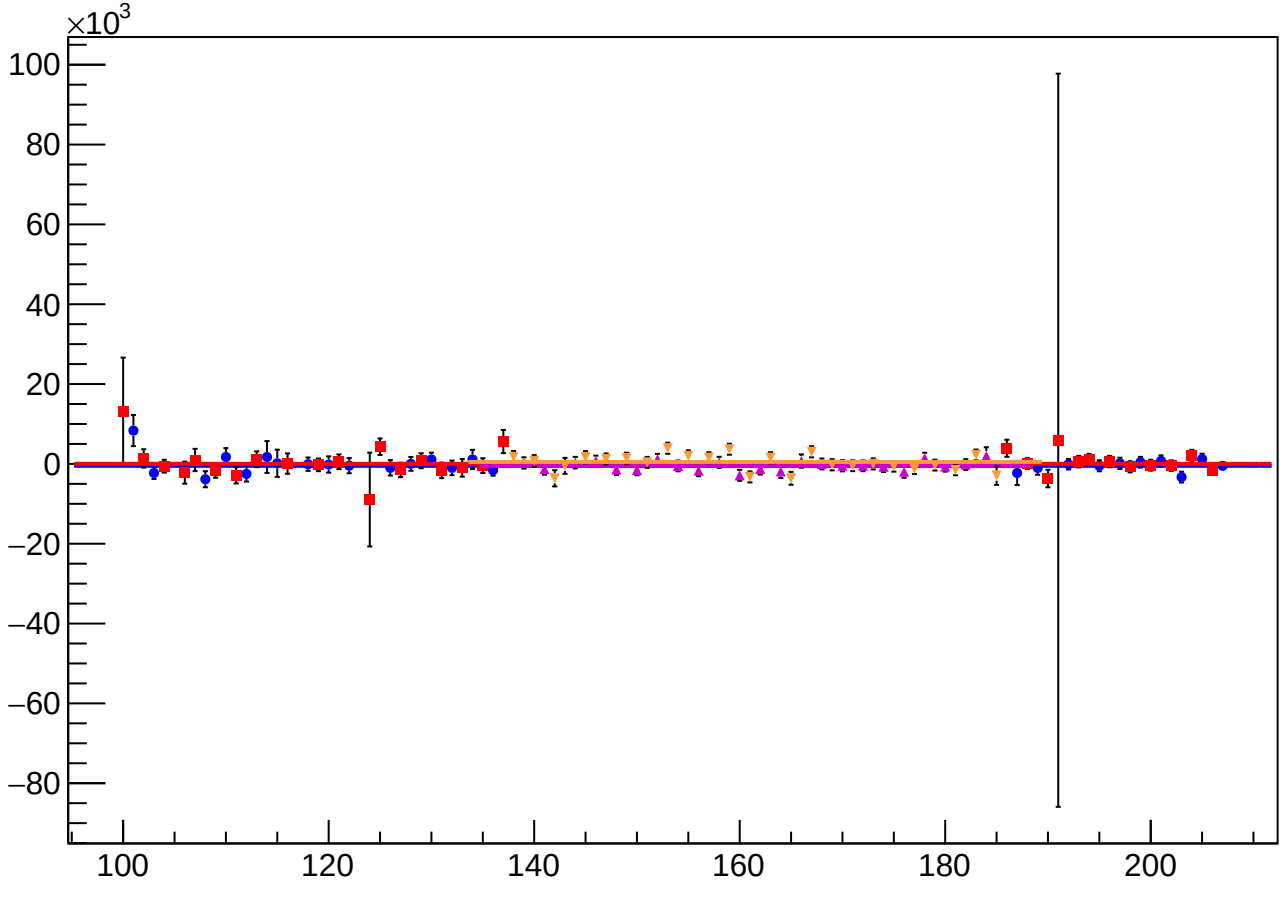
Right: 0.000+/-0.000 χ^2/NDF: 44.4/56

In: 0.000+/-0.000 χ^2/NDF:36.2/48

Out: 0.000+/-0.000 χ^2/NDF:50.9/55

All: 0.000+/-0.000 χ^2/NDF: 89.2/104


asym_atr1l2_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: 4616166.7/25
Left Out: 0.000+/-0.000 χ²/NDF:17863822.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 12190593.2/30
Left In: 0.000+/-0.000 χ²/NDF:5419961.9/22
Left: 0.000+/-0.000 χ²/NDF: 32408011.0/47
Right: 0.000+/-0.000 χ²/NDF: 19321301.2/56
In: 0.000+/-0.000 χ²/NDF:12875899.4/48
Out: 0.000+/-0.000 χ²/NDF:33652319.7/55
All: 0.000+/-0.000 χ²/NDF: 59806563.8/104



Right In: -478.103+/-332.890 χ^2/NDF: 21.9/25

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

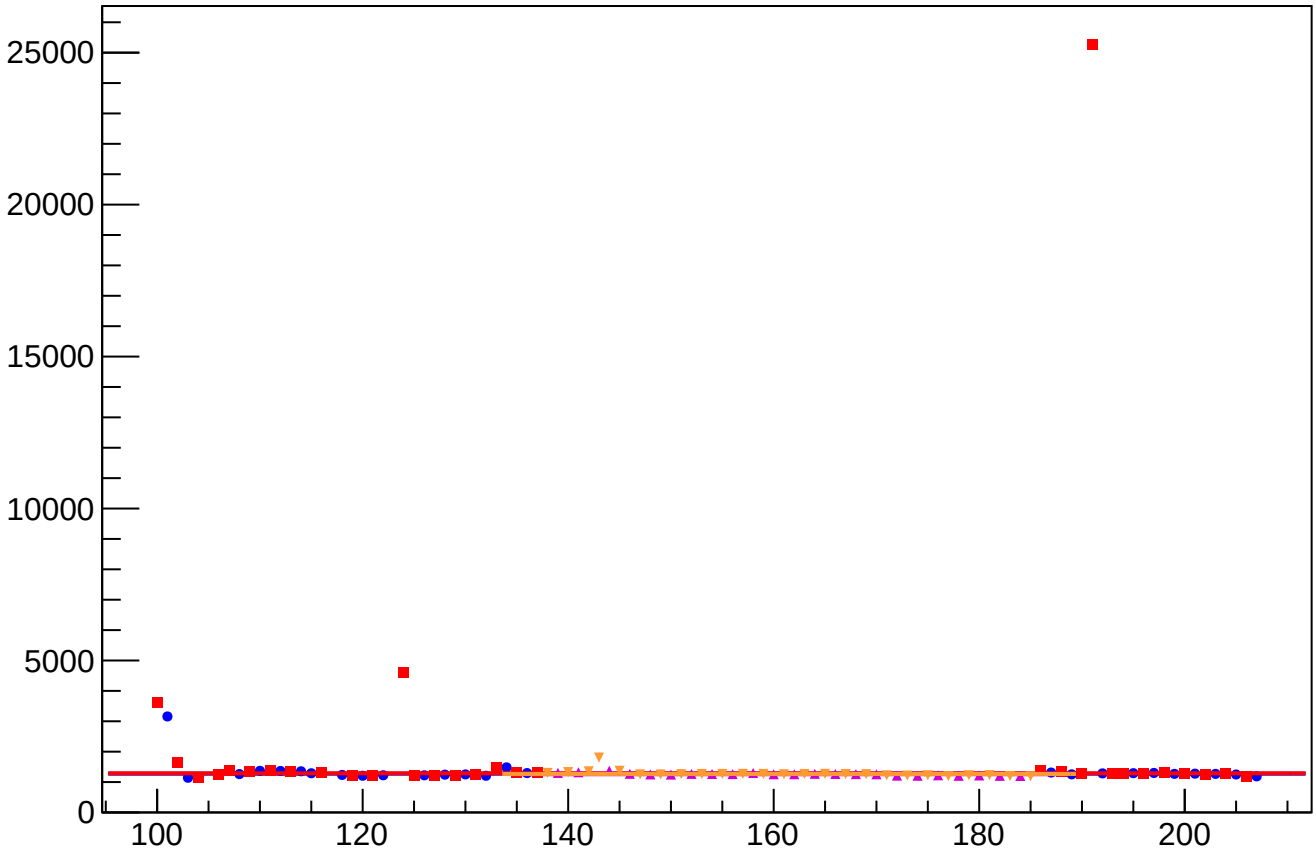
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -223.202+/-232.168 χ^2/NDF: 51.1/56

In: -483.004+/-220.265 χ^2/NDF:36.3/48

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -91.800+/-154.020 χ^2/NDF: 118.6/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528336.5/25

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

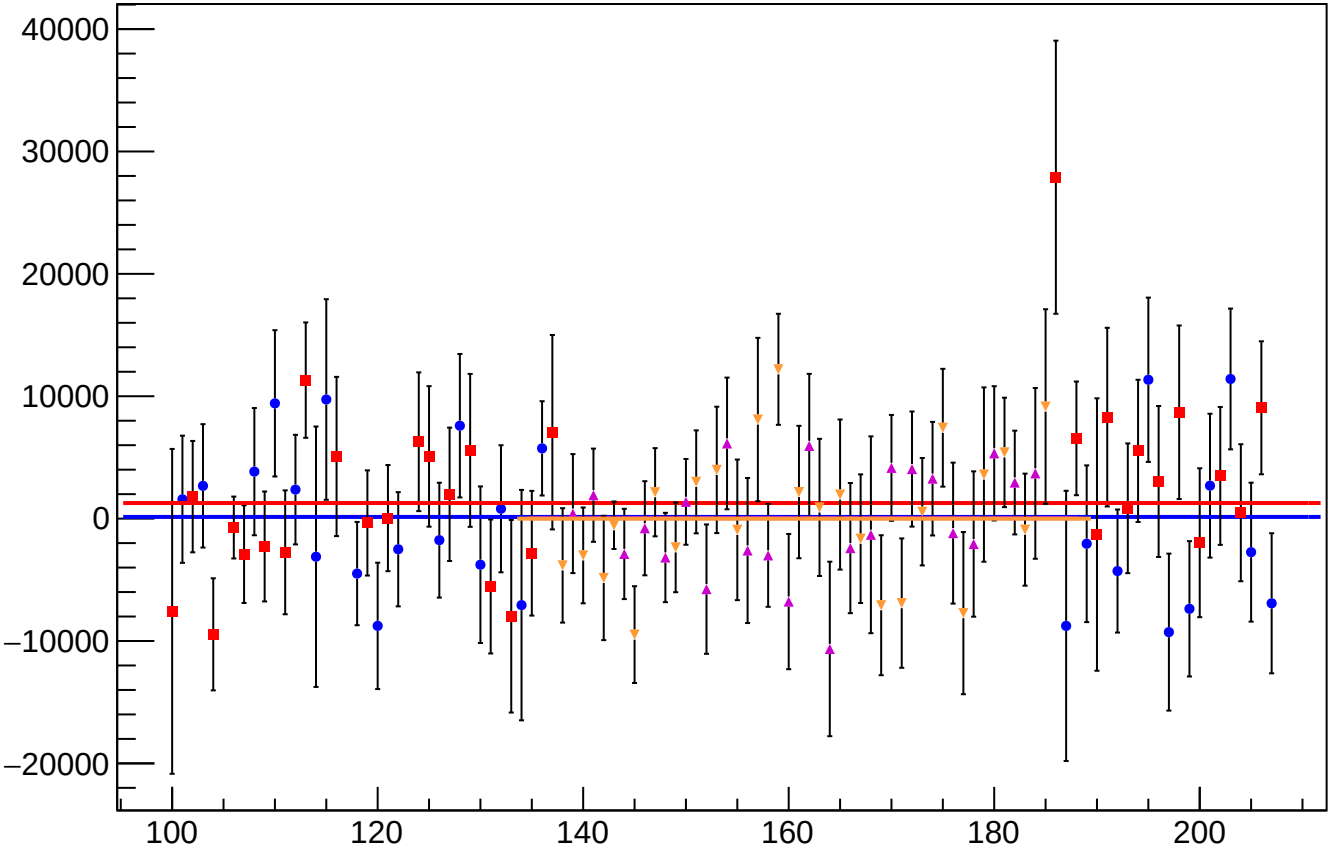
Right: 1282.235+/-0.164 χ^2/NDF: 1011788.7/56

In: 1265.776+/-0.156 χ^2/NDF:568733.7/48

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1271.104+/-0.109 χ^2/NDF: 1245420.9/10

asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 137.873+/-1090.143 χ^2/NDF: 28.5/25

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

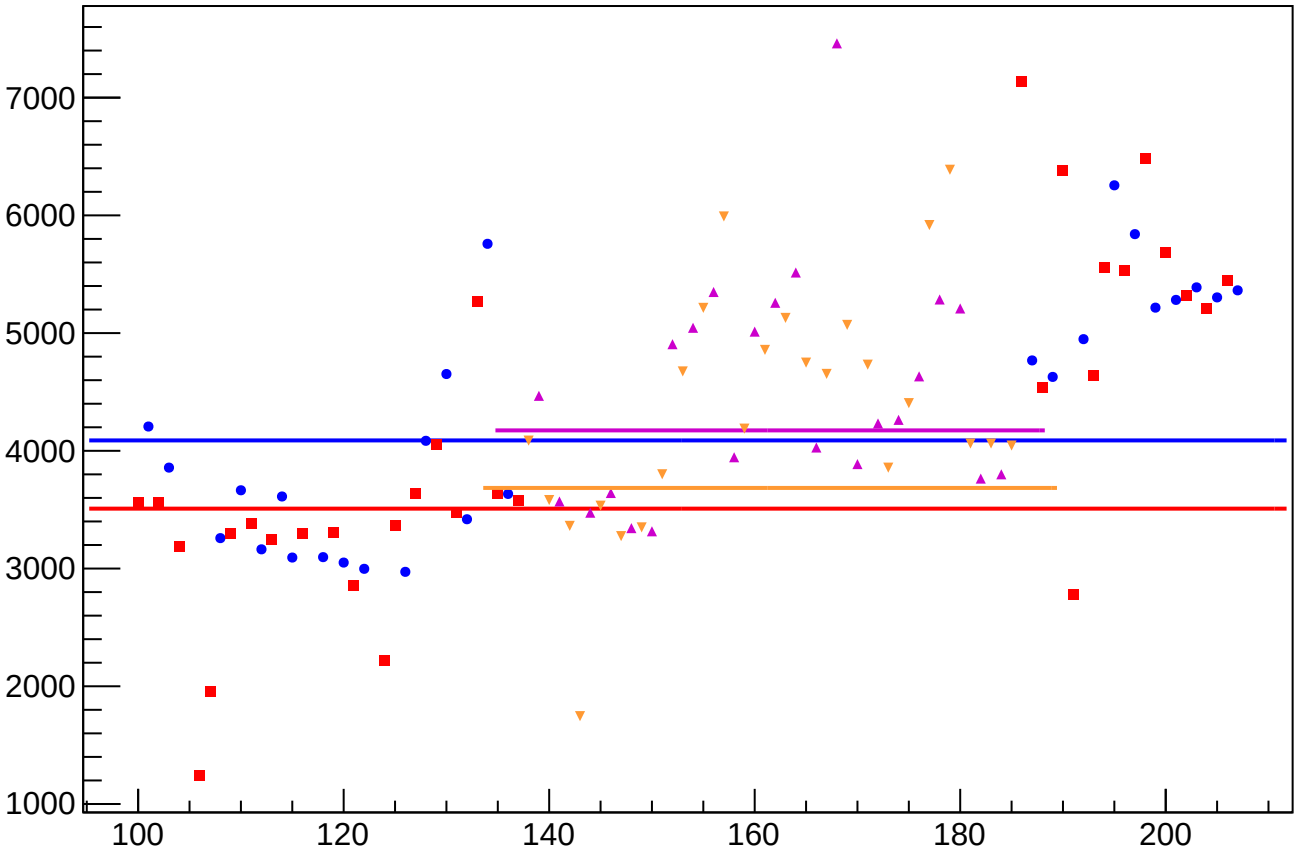
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 788.451+/-712.759 χ^2/NDF: 61.1/56

In: 79.912+/-735.050 χ^2/NDF:42.5/48

Out: 598.144+/-645.573 χ^2/NDF:62.1/55

All: 372.474+/-485.056 χ^2/NDF: 104.9/104



Right In: 4088.398+/-0.771 χ^2/NDF: 1635045.1/25

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

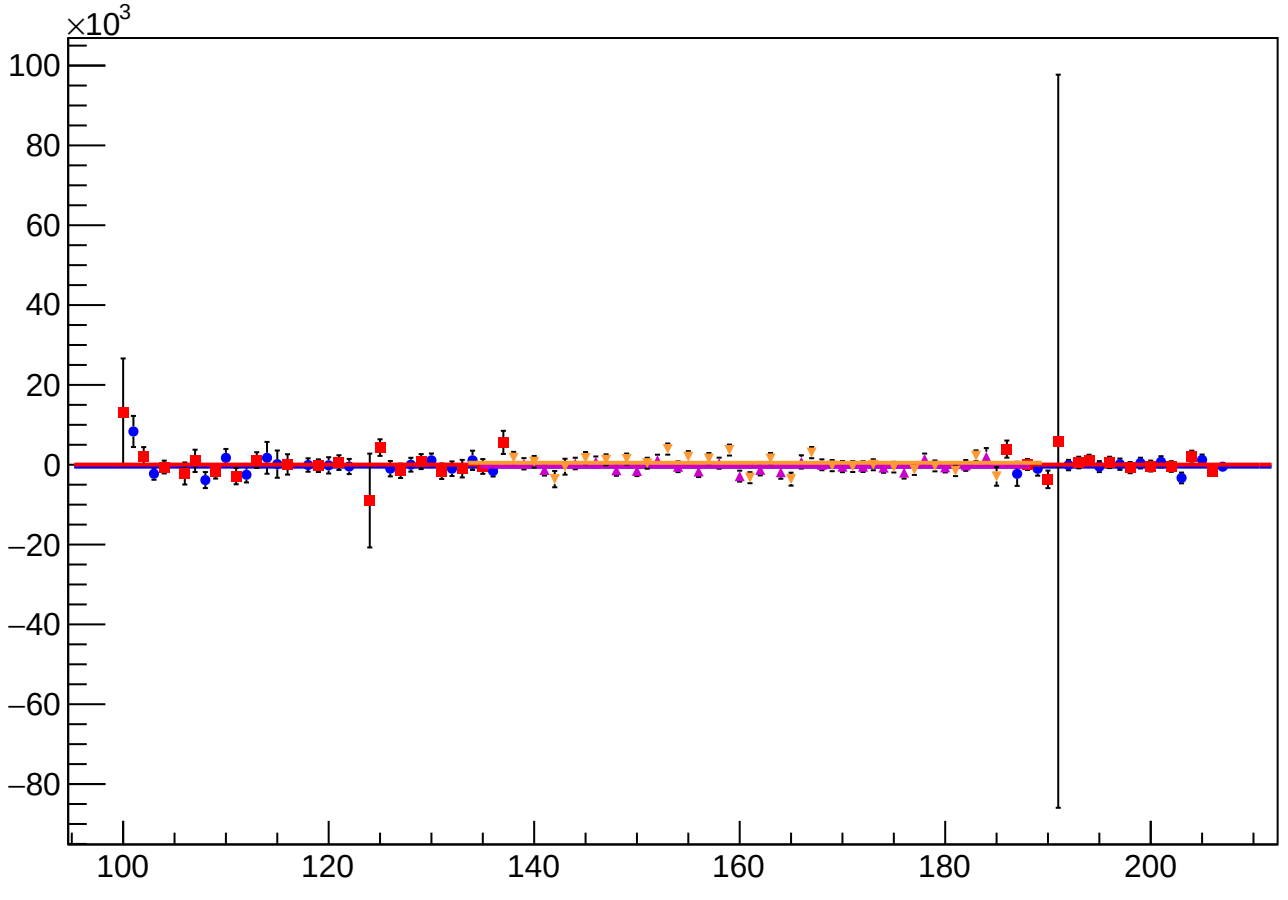
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3756.615+/-0.504 χ^2/NDF: 6437850.4/56

In: 4134.840+/-0.520 χ^2/NDF:2916669.3/48

Out: 3602.160+/-0.456 χ^2/NDF:8209850.3/55

All: 3834.122+/-0.343 χ^2/NDF: 11719474.7/1



Right In: -478.242+/-332.890 χ^2/NDF: 21.9/25

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

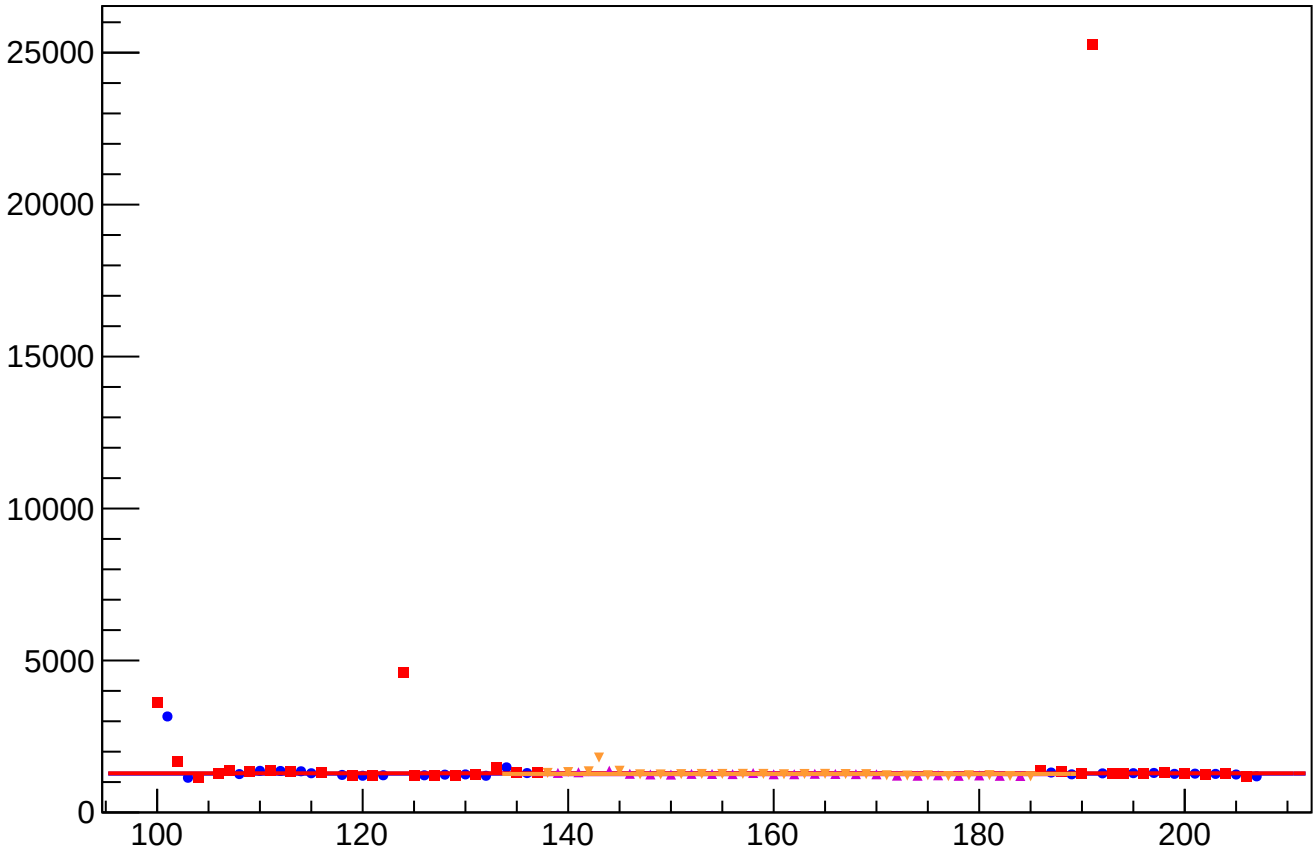
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -216.756+/-232.203 χ^2/NDF: 51.6/56

In: -483.008+/-220.265 χ^2/NDF:36.3/48

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -88.914+/-154.030 χ^2/NDF: 119.1/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528337.9/25

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

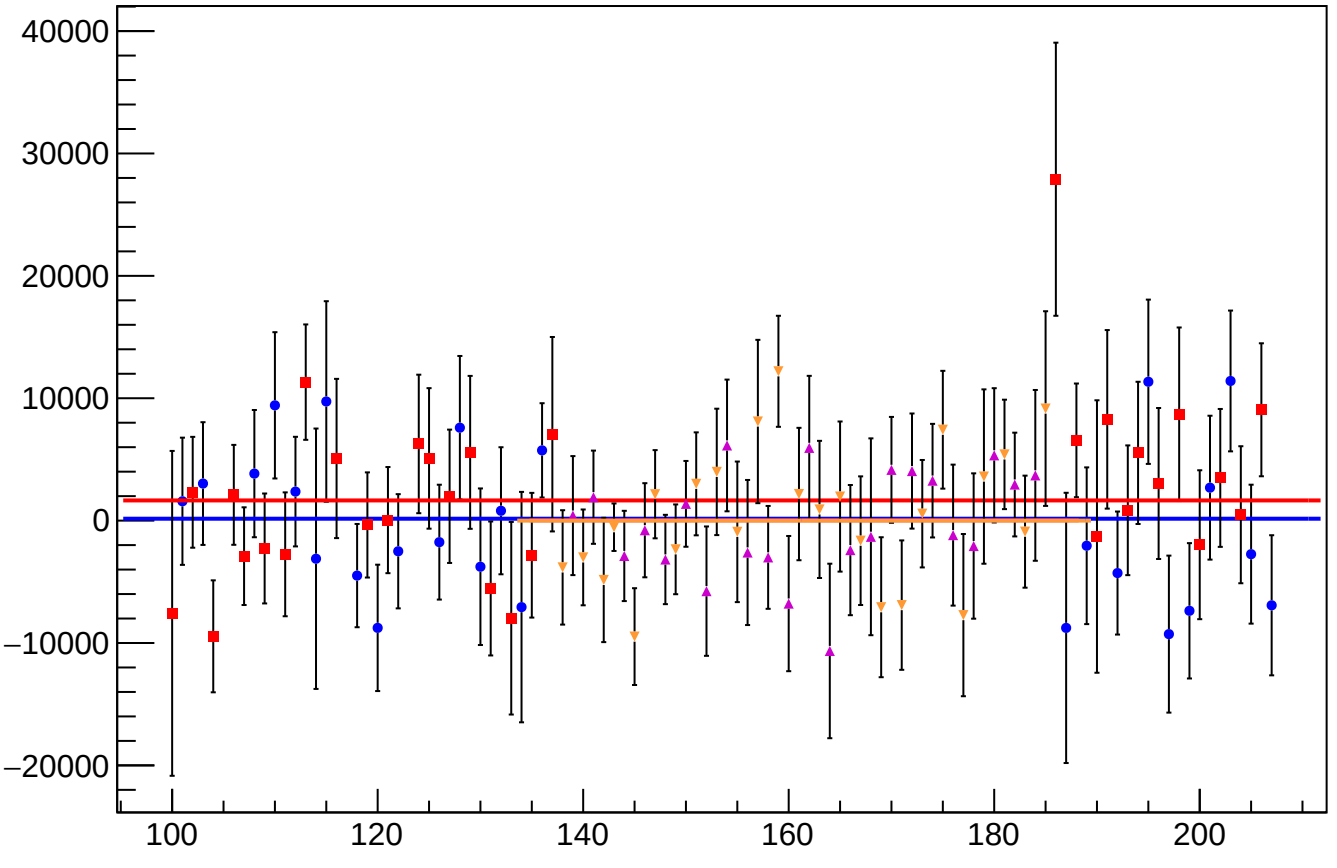
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

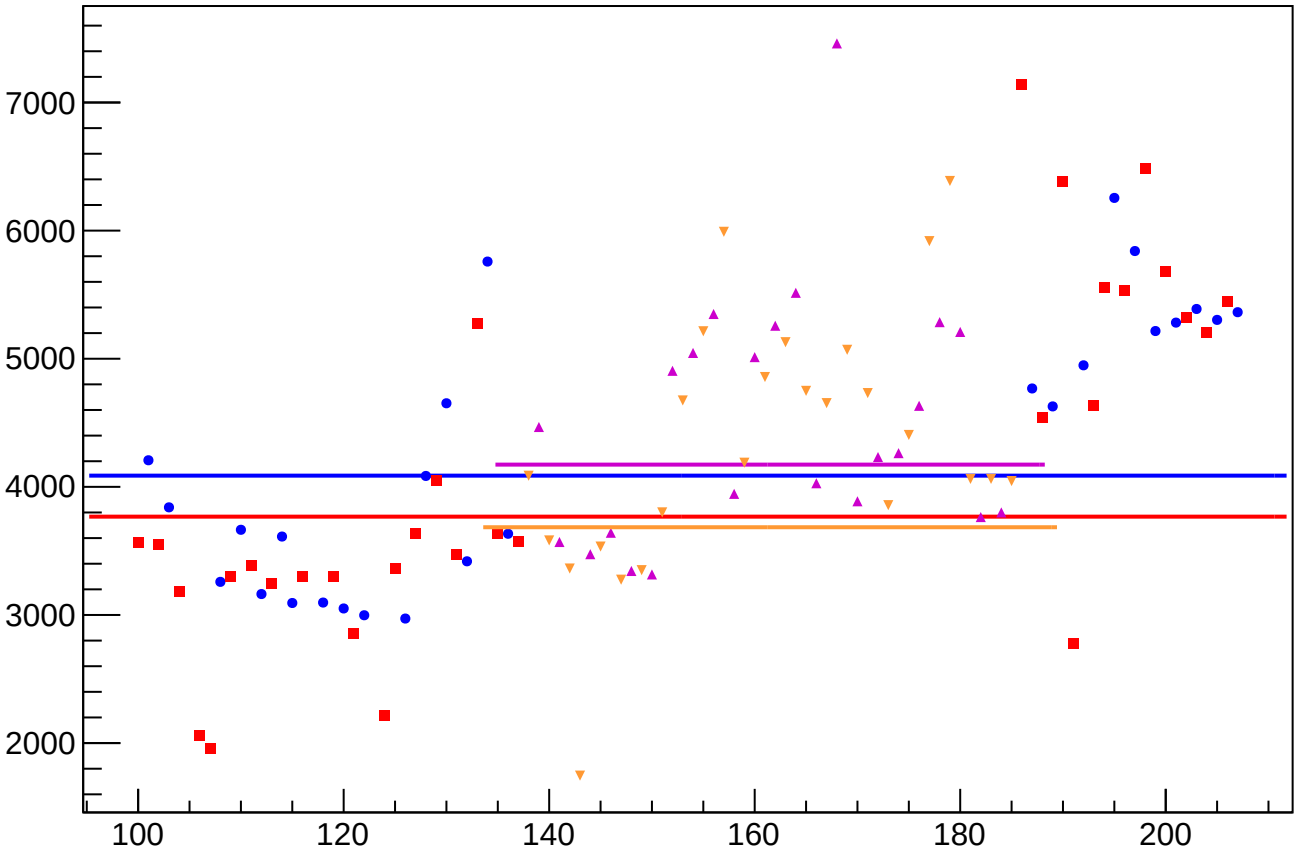
Right: 1282.684+/-0.164 χ^2/NDF: 1018904.9/56

In: 1265.776+/-0.156 χ^2/NDF:568735.1/48

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.299+/-0.109 χ^2/NDF: 1252910.0/10


asym_atl_dd_atr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 155.615+/-1089.890 χ²/NDF: 28.5/25
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1649.714+/-984.732 χ²/NDF: 31.4/30
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 978.203+/-730.667 χ²/NDF: 60.9/56
In: 87.995+/-734.972 χ²/NDF:42.6/48
Out: 738.181+/-658.845 χ²/NDF:62.0/55
All: 448.494+/-490.587 χ²/NDF: 105.0/104



Right In: 4087.510+/-0.771 χ^2/NDF: 1635775.4/25

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

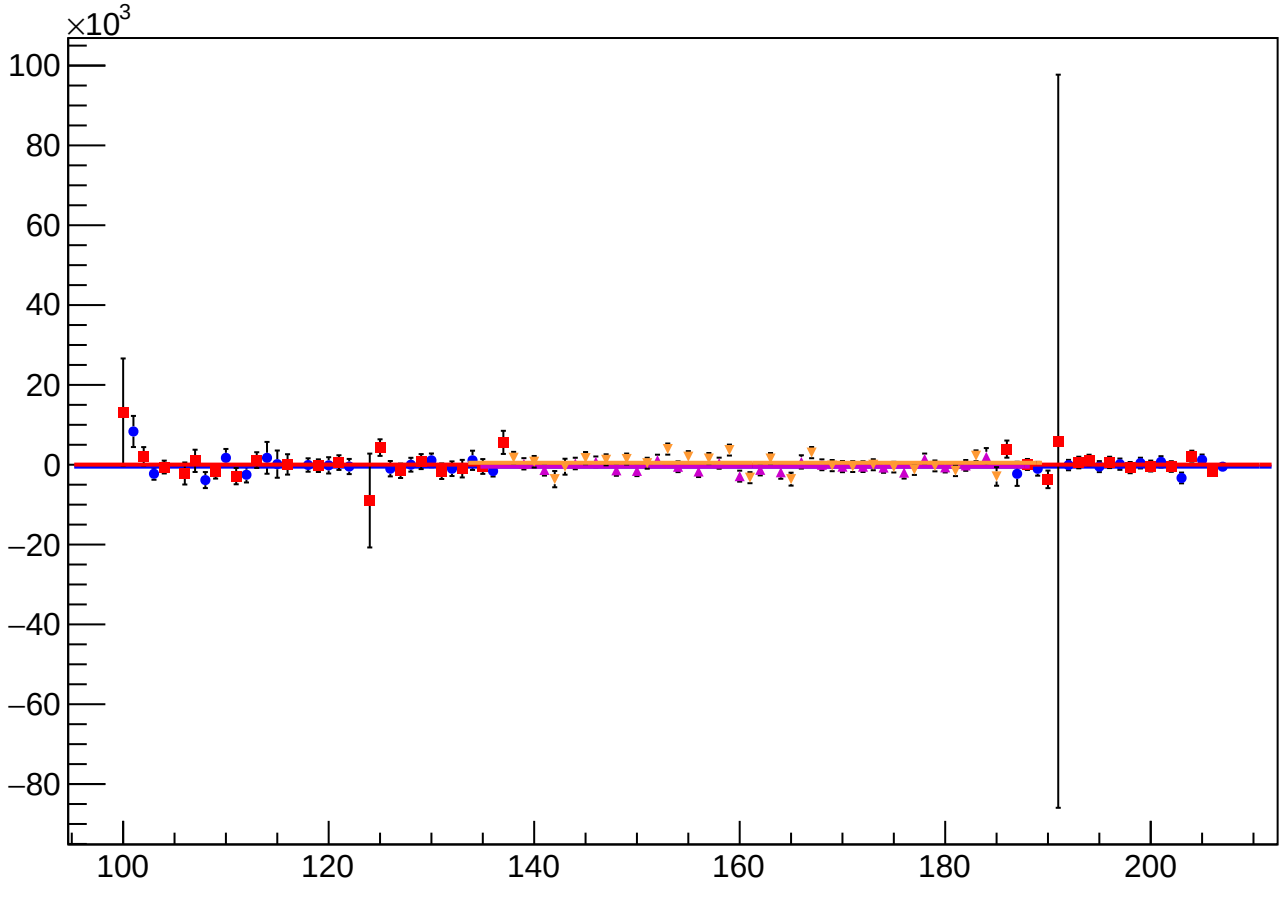
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3911.289+/-0.517 χ^2/NDF: 4716798.1/56

In: 4134.423+/-0.520 χ^2/NDF:2917539.0/48

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3905.625+/-0.347 χ^2/NDF: 9954631.9/10



Right In: -478.242+/-332.890 χ^2/NDF: 21.9/25

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

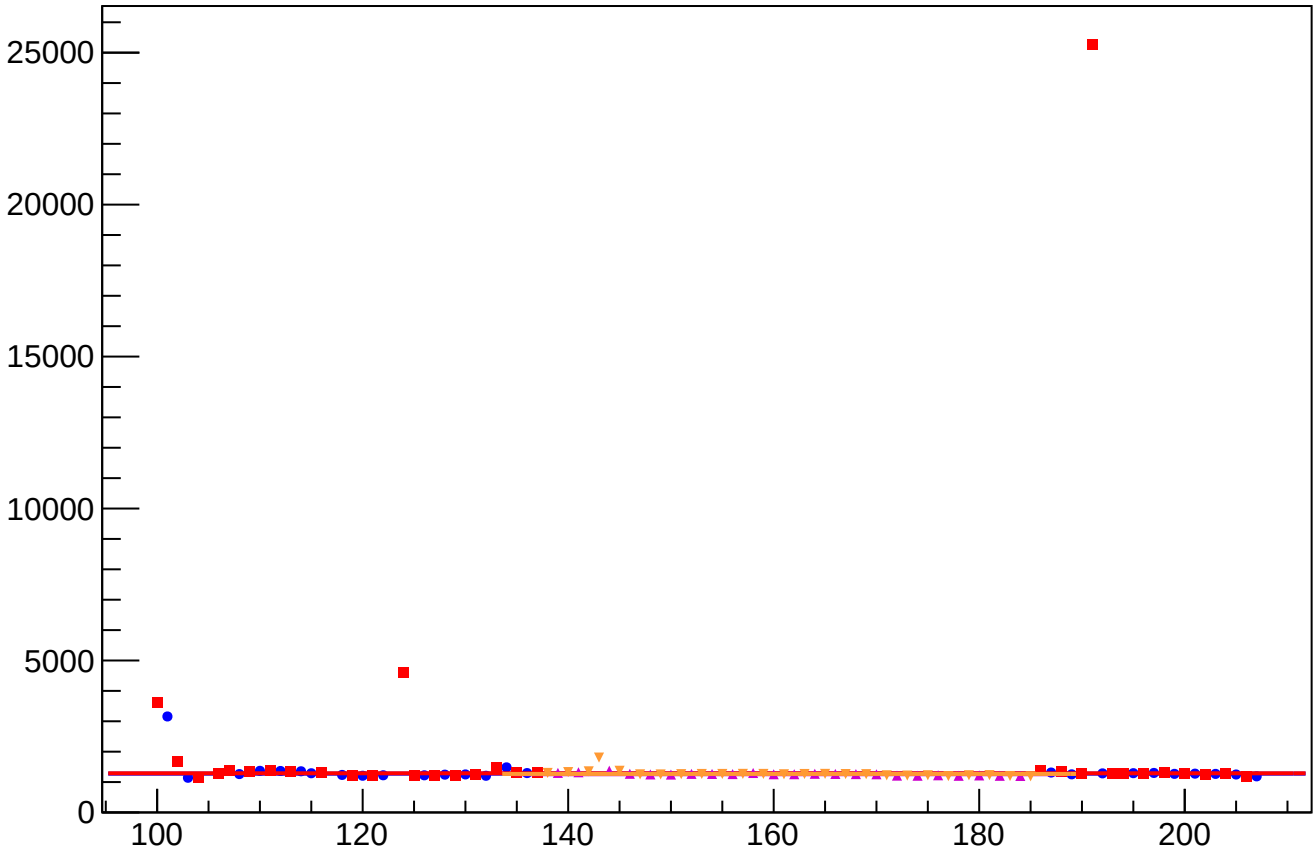
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -216.756+/-232.203 χ^2/NDF: 51.6/56

In: -483.008+/-220.265 χ^2/NDF:36.3/48

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -88.914+/-154.030 χ^2/NDF: 119.1/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528337.9/25

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

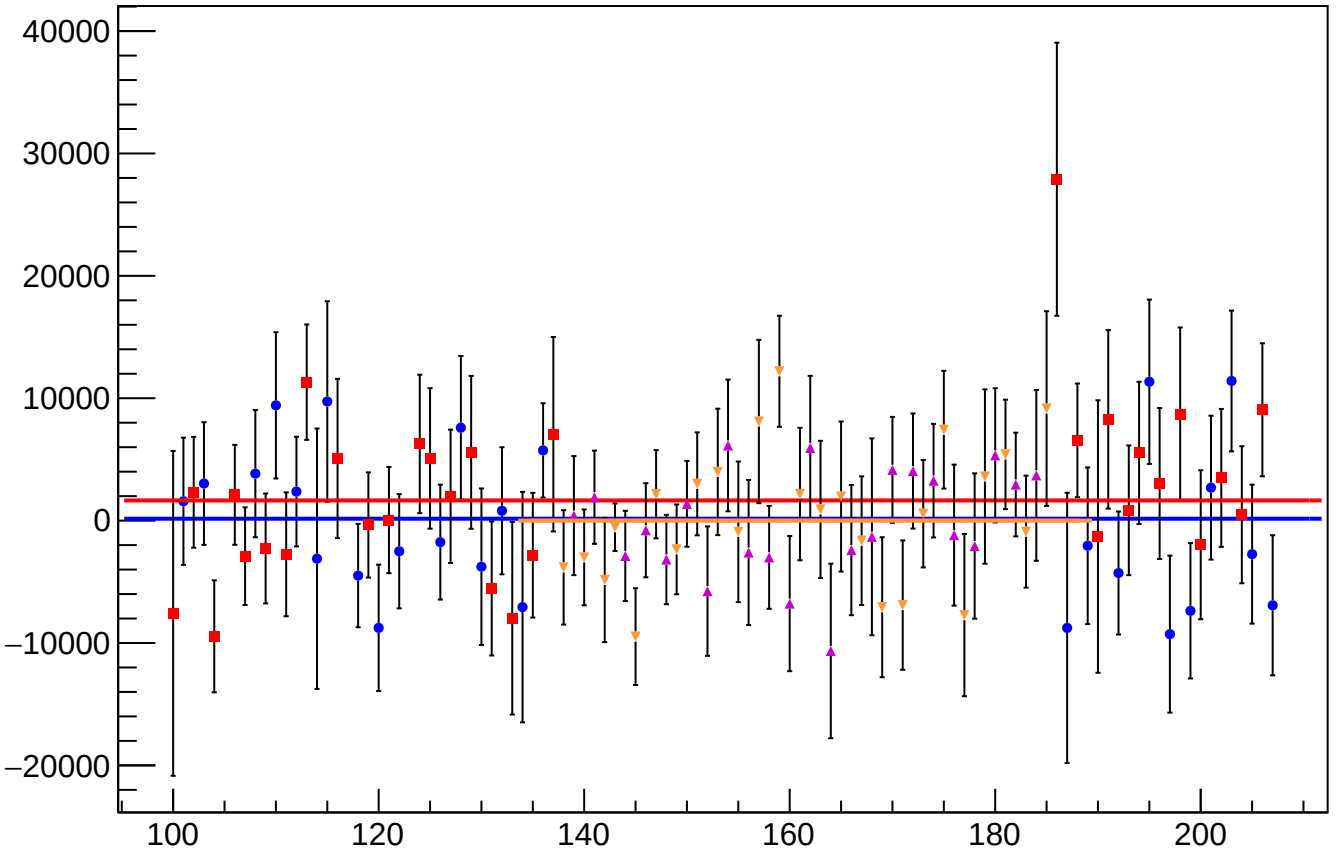
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1282.684+/-0.164 χ^2/NDF: 1018904.9/56

In: 1265.776+/-0.156 χ^2/NDF:568735.1/48

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.299+/-0.109 χ^2/NDF: 1252910.0/10



Right In: 155.615+/-1089.890 χ^2/NDF: 28.5/25

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

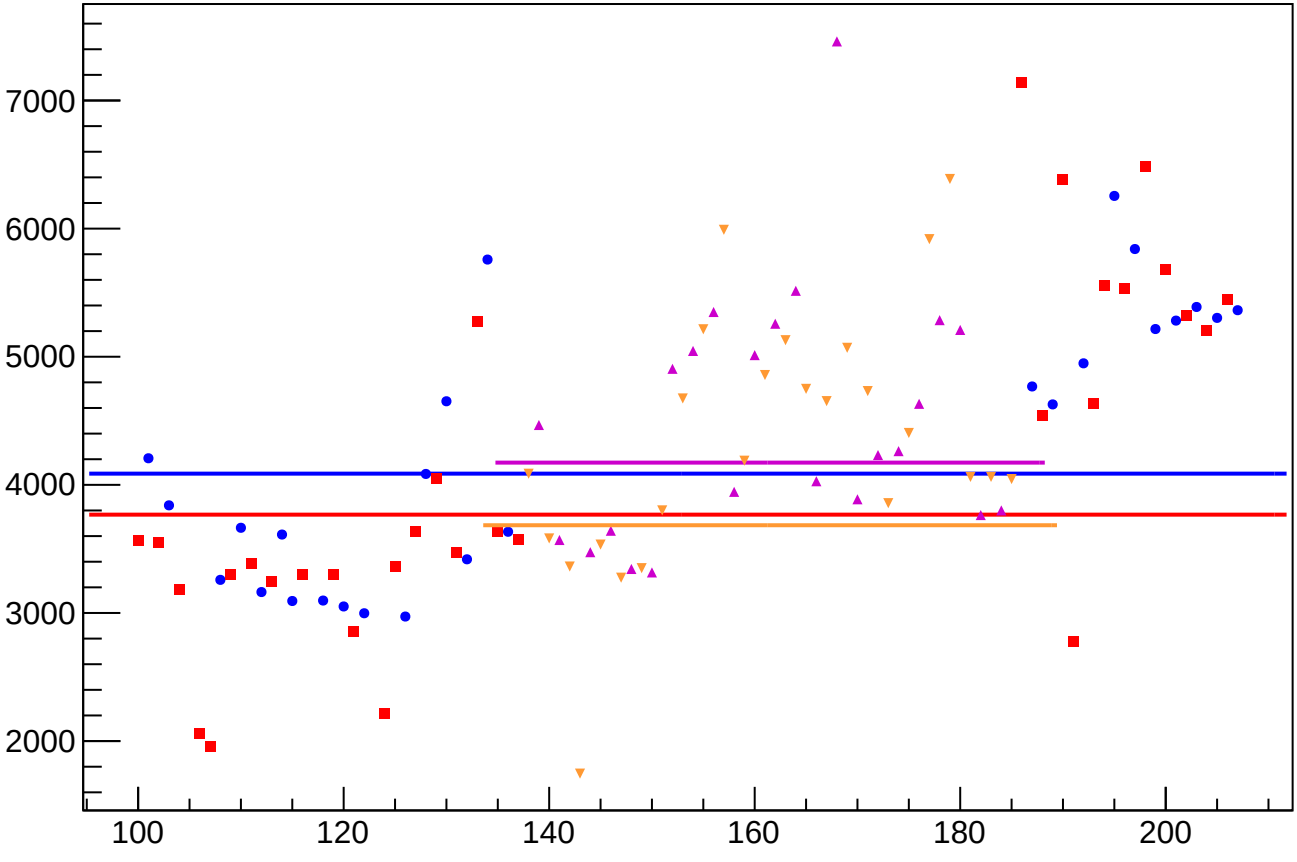
Right: 978.203+/-730.667 χ^2/NDF: 60.9/56

In: 87.995+/-734.972 χ^2/NDF:42.6/48

Out: 738.181+/-658.845 χ^2/NDF:62.0/55

All: 448.494+/-490.587 χ^2/NDF: 105.0/104

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4087.510+/-0.771 χ^2/NDF: 1635775.4/25

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

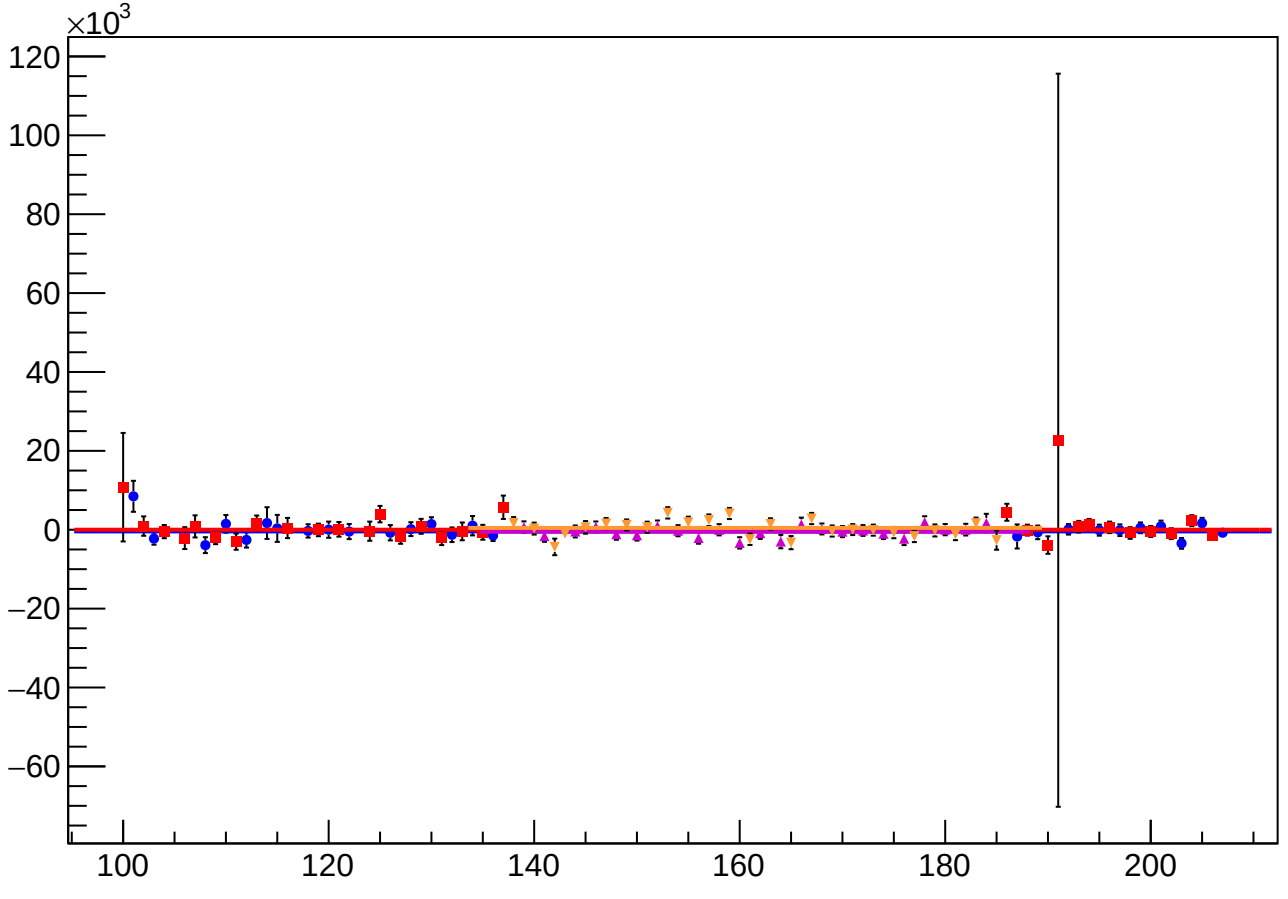
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3911.289+/-0.517 χ^2/NDF: 4716798.1/56

In: 4134.423+/-0.520 χ^2/NDF:2917539.0/48

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3905.625+/-0.347 χ^2/NDF: 9954631.9/10



Right In: -418.078+/-337.671 χ^2/NDF: 23.2/25

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

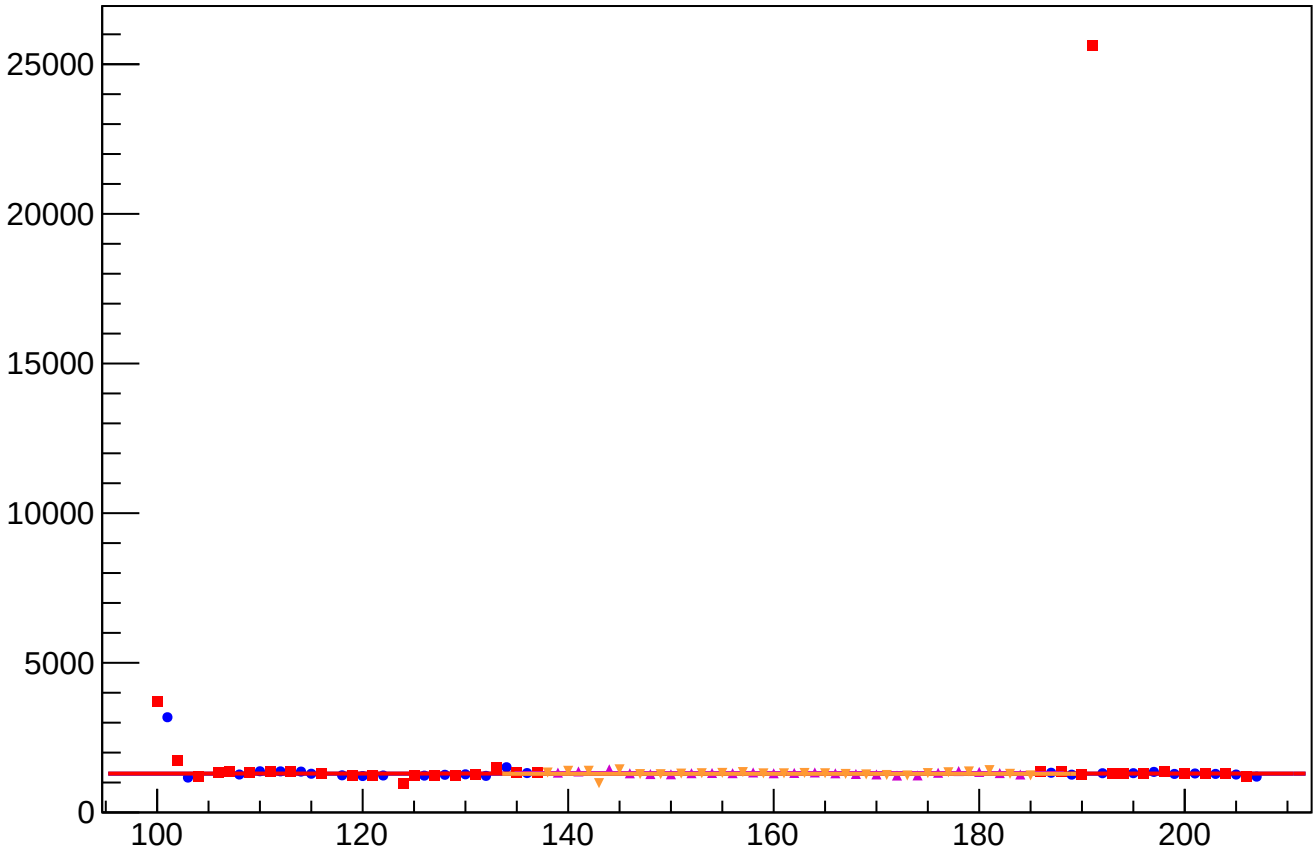
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -199.452+/-234.736 χ^2/NDF: 53.0/56

In: -464.868+/-227.175 χ^2/NDF:40.7/48

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -88.243+/-157.517 χ^2/NDF: 120.2/104



Right In: 1294.519+/-0.239 χ^2/NDF: 528815.0/25

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

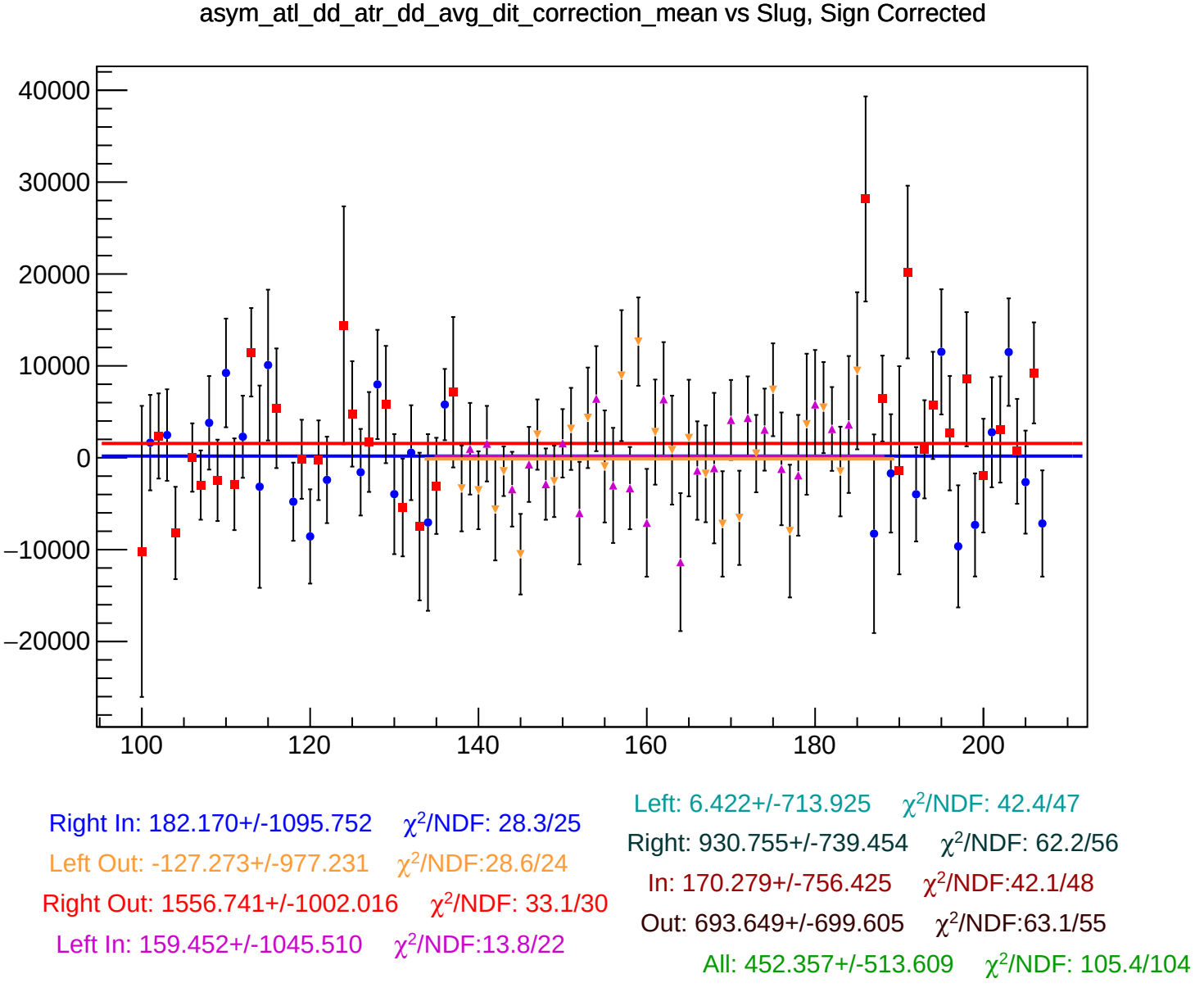
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

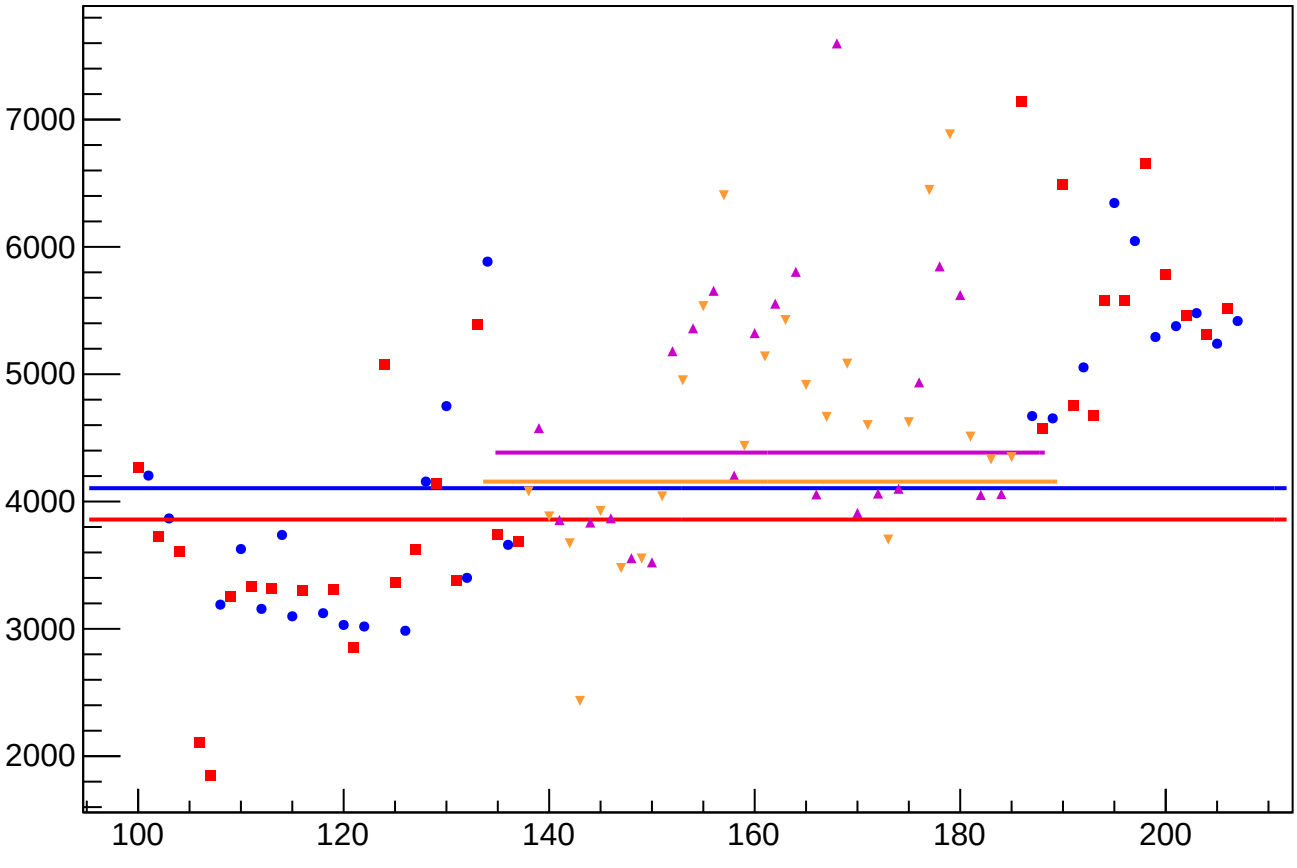
Right: 1297.364+/-0.166 χ^2/NDF: 907059.7/56

In: 1305.186+/-0.161 χ^2/NDF:575505.7/48

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1299.980+/-0.111 χ^2/NDF: 1187037.2/10


asym_atl_dd_atr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 182.170+/-1095.752 χ²/NDF: 28.3/25
Left Out: -127.273+/-977.231 χ²/NDF:28.6/24
Right Out: 1556.741+/-1002.016 χ²/NDF: 33.1/30
Left In: 159.452+/-1045.510 χ²/NDF:13.8/22
Left: 6.422+/-713.925 χ²/NDF: 42.4/47
Right: 930.755+/-739.454 χ²/NDF: 62.2/56
In: 170.279+/-756.425 χ²/NDF:42.1/48
Out: 693.649+/-699.605 χ²/NDF:63.1/55
All: 452.357+/-513.609 χ²/NDF: 105.4/104



Right In: 4104.906+/-0.775 χ^2/NDF: 1720690.2/25

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

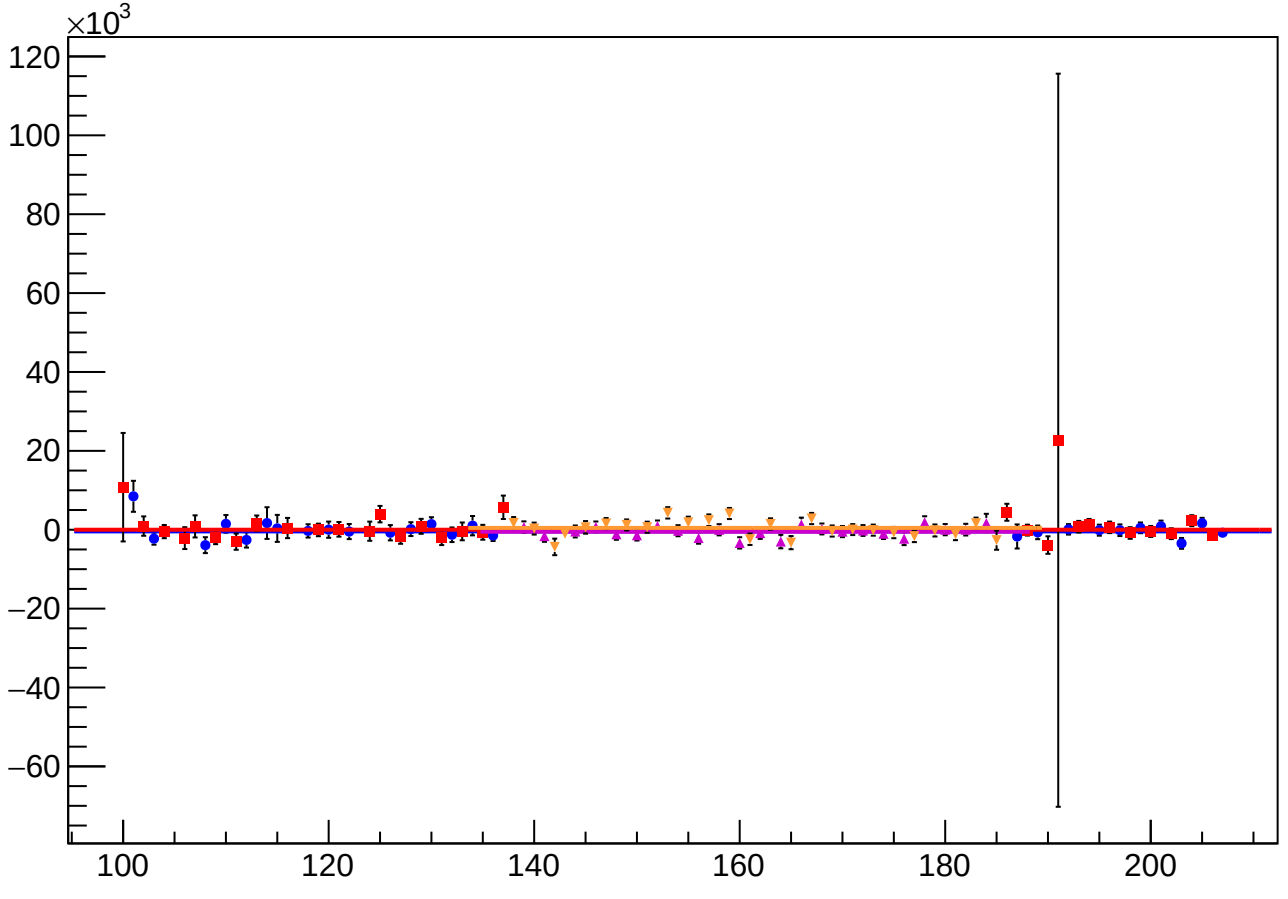
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3970.808+/-0.523 χ^2/NDF: 4833510.2/56

In: 4251.167+/-0.535 χ^2/NDF:3044235.9/48

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4121.918+/-0.363 χ^2/NDF: 8381768.6/10



Right In: -418.078+/-337.671 χ^2/NDF: 23.2/25

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

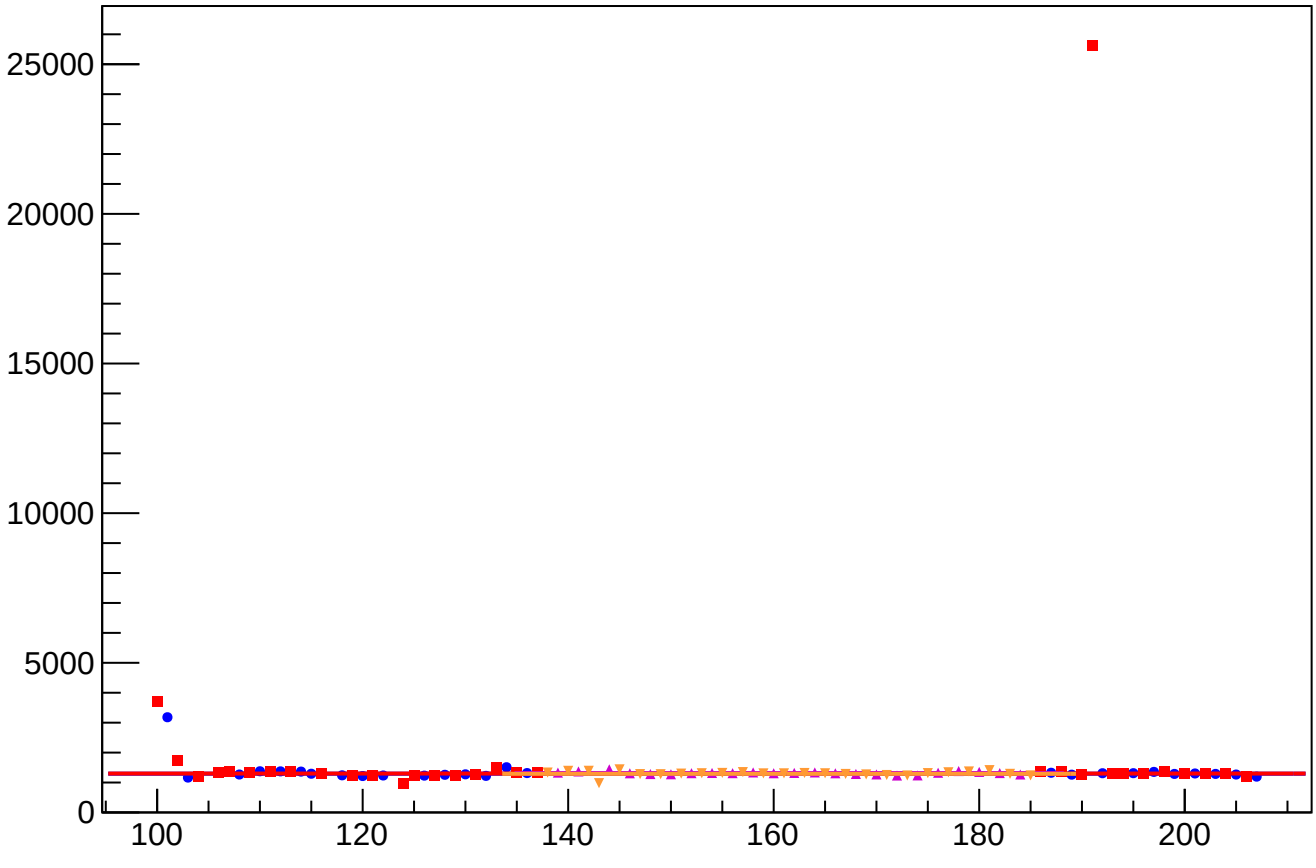
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -199.452+/-234.736 χ^2/NDF: 53.0/56

In: -464.868+/-227.175 χ^2/NDF:40.7/48

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -88.242+/-157.517 χ^2/NDF: 120.2/104



Right In: 1294.519+/-0.239 χ^2/NDF: 528815.1/25

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

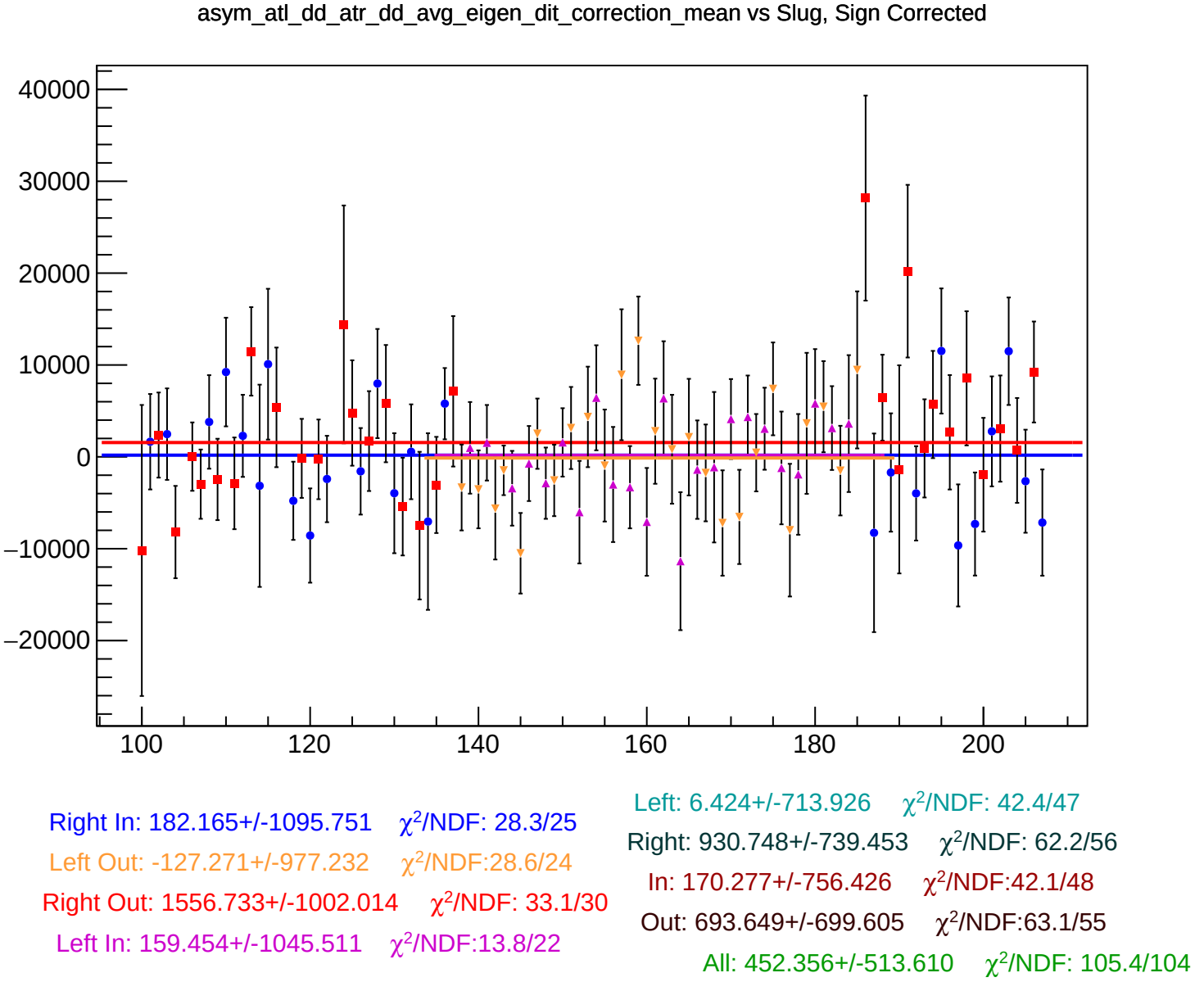
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1297.365+/-0.166 χ^2/NDF: 907060.0/56

In: 1305.186+/-0.161 χ^2/NDF:575508.4/48

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1299.981+/-0.111 χ^2/NDF: 1187042.3/10


asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
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10000
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−10000
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120
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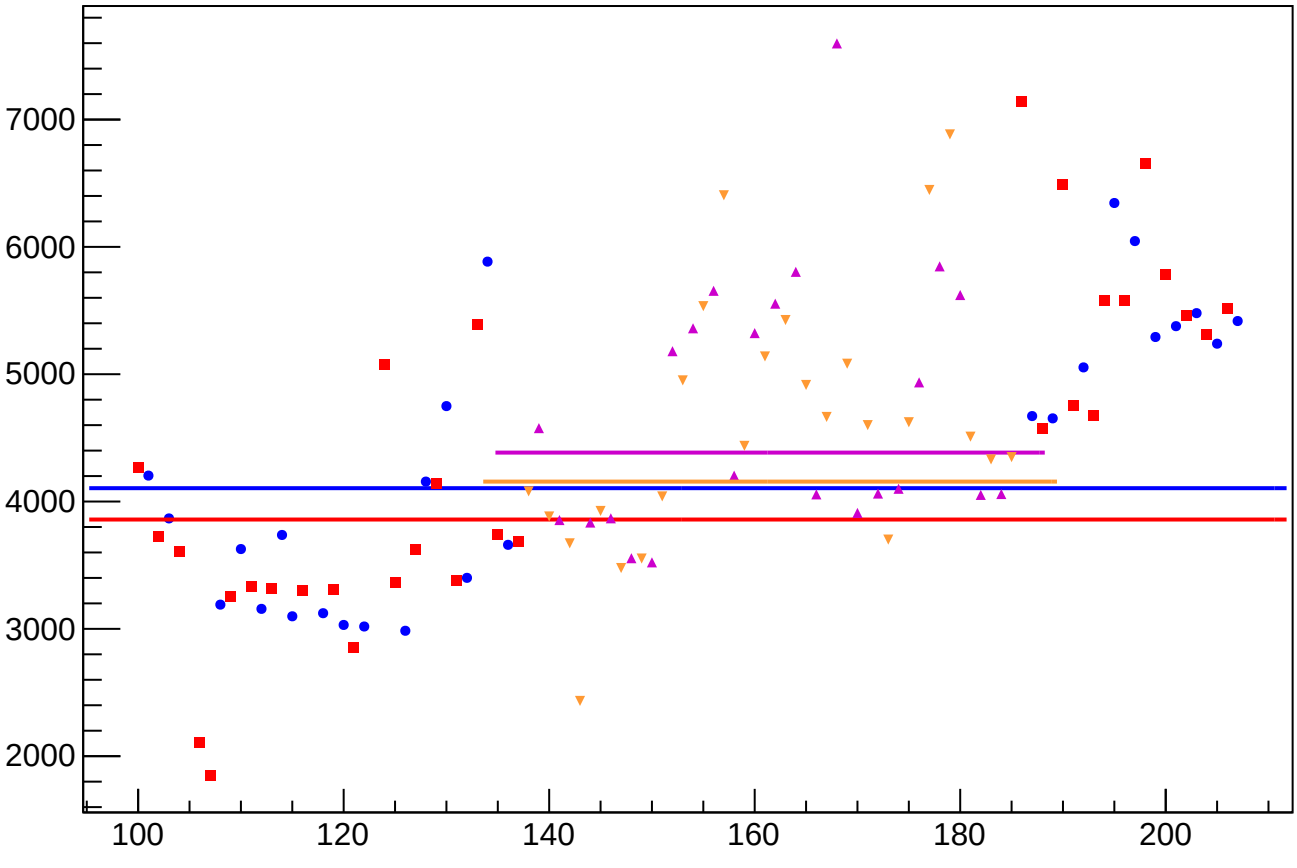
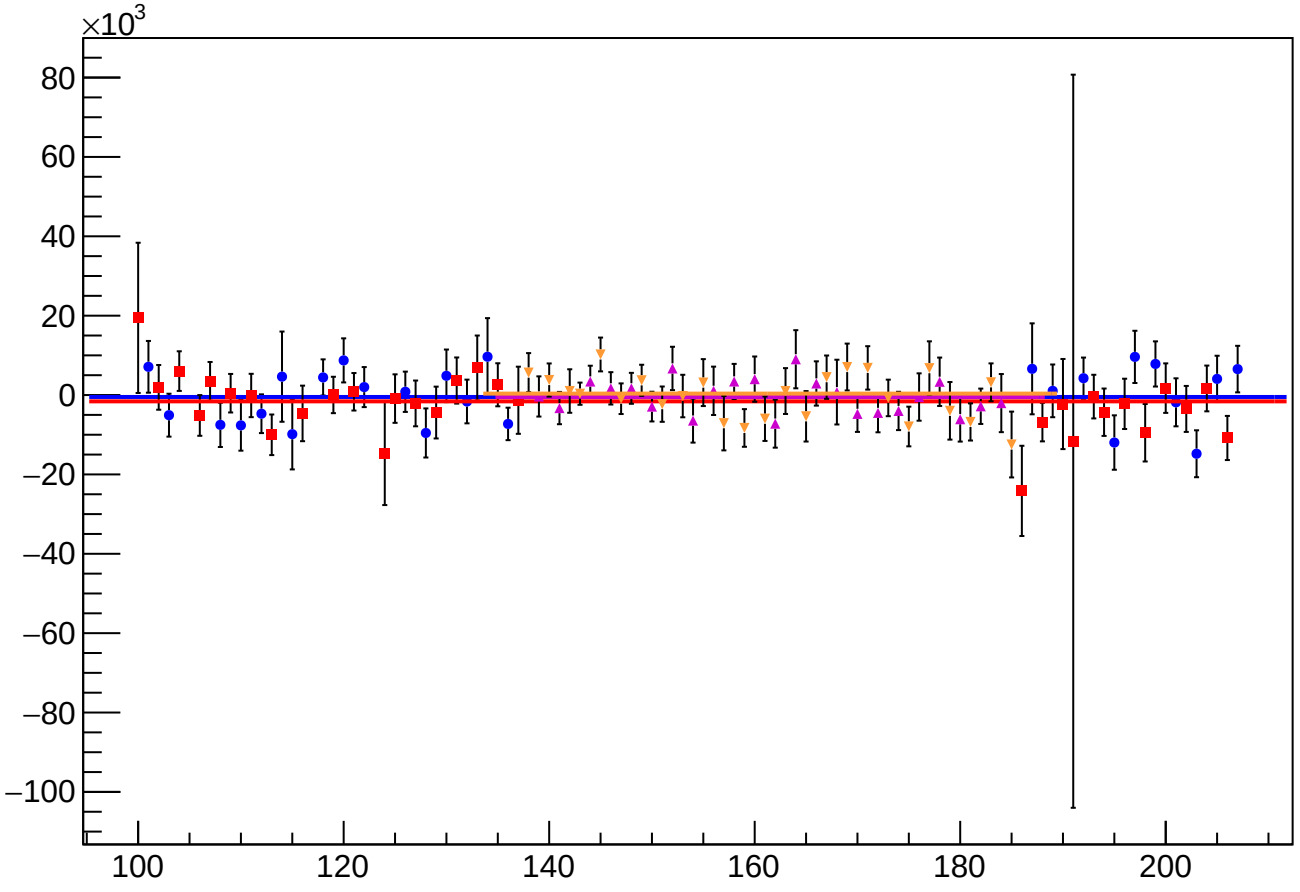
180
200
Right In: 182.165+/-1095.751 χ²/NDF: 28.3/25
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 1556.733+/-1002.014 χ²/NDF: 33.1/30
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 930.748+/-739.453 χ²/NDF: 62.2/56
In: 170.277+/-756.426 χ²/NDF:42.1/48
Out: 693.649+/-699.605 χ²/NDF:63.1/55
All: 452.356+/-513.610 χ²/NDF: 105.4/104


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: 4104.899+/-0.775 χ²/NDF: 1720719.4/25
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: 3970.802+/-0.523 χ²/NDF: 4833567.9/56
In: 4251.167+/-0.535 χ²/NDF:3044275.9/48
Out: 4011.357+/-0.495 χ²/NDF:5229230.8/55
All: 4121.917+/-0.363 χ²/NDF: 8381847.8/10



Right In: -484.908+/-1158.644 χ^2/NDF: 34.4/25

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

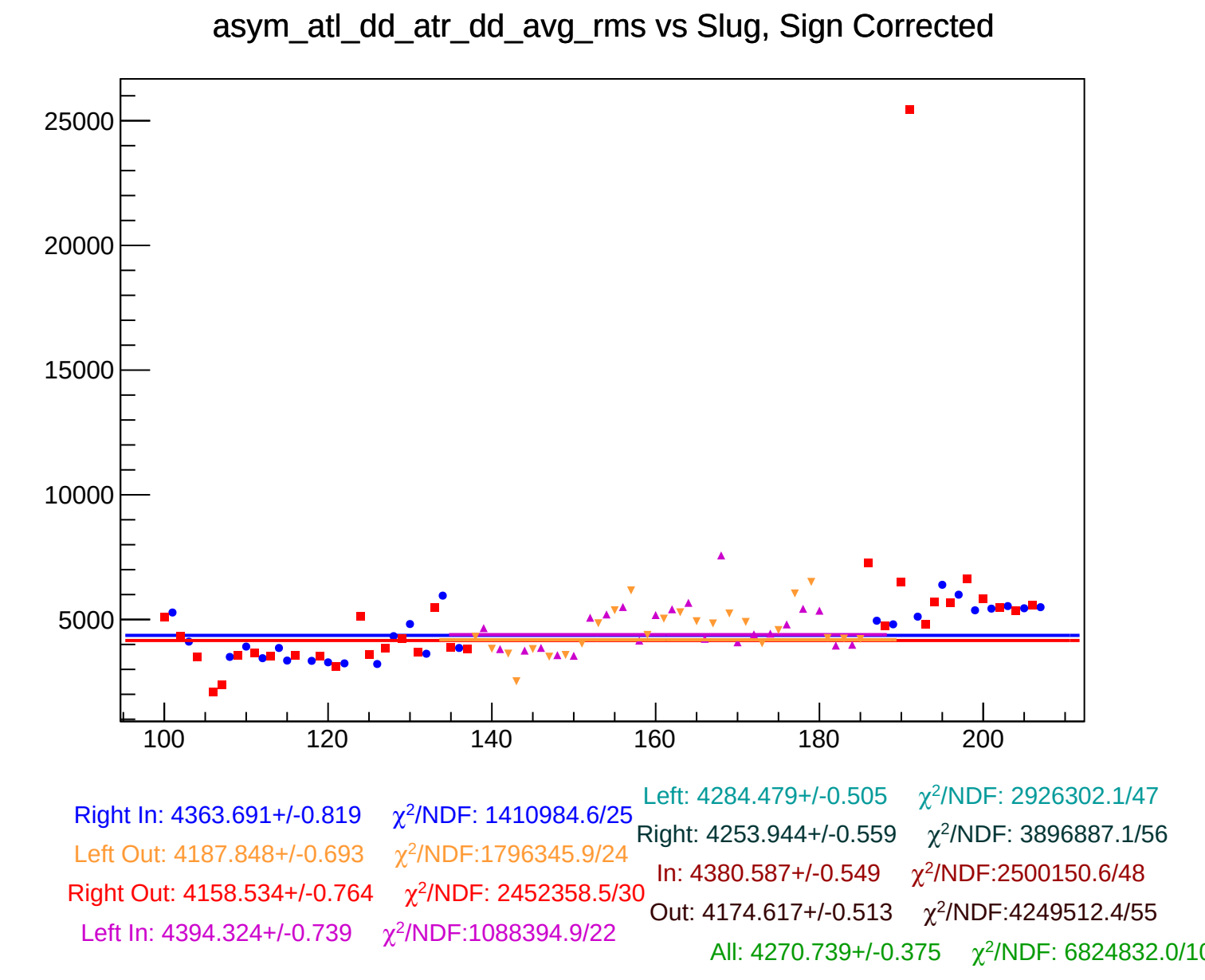
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1071.019+/-794.014 χ^2/NDF: 57.7/56

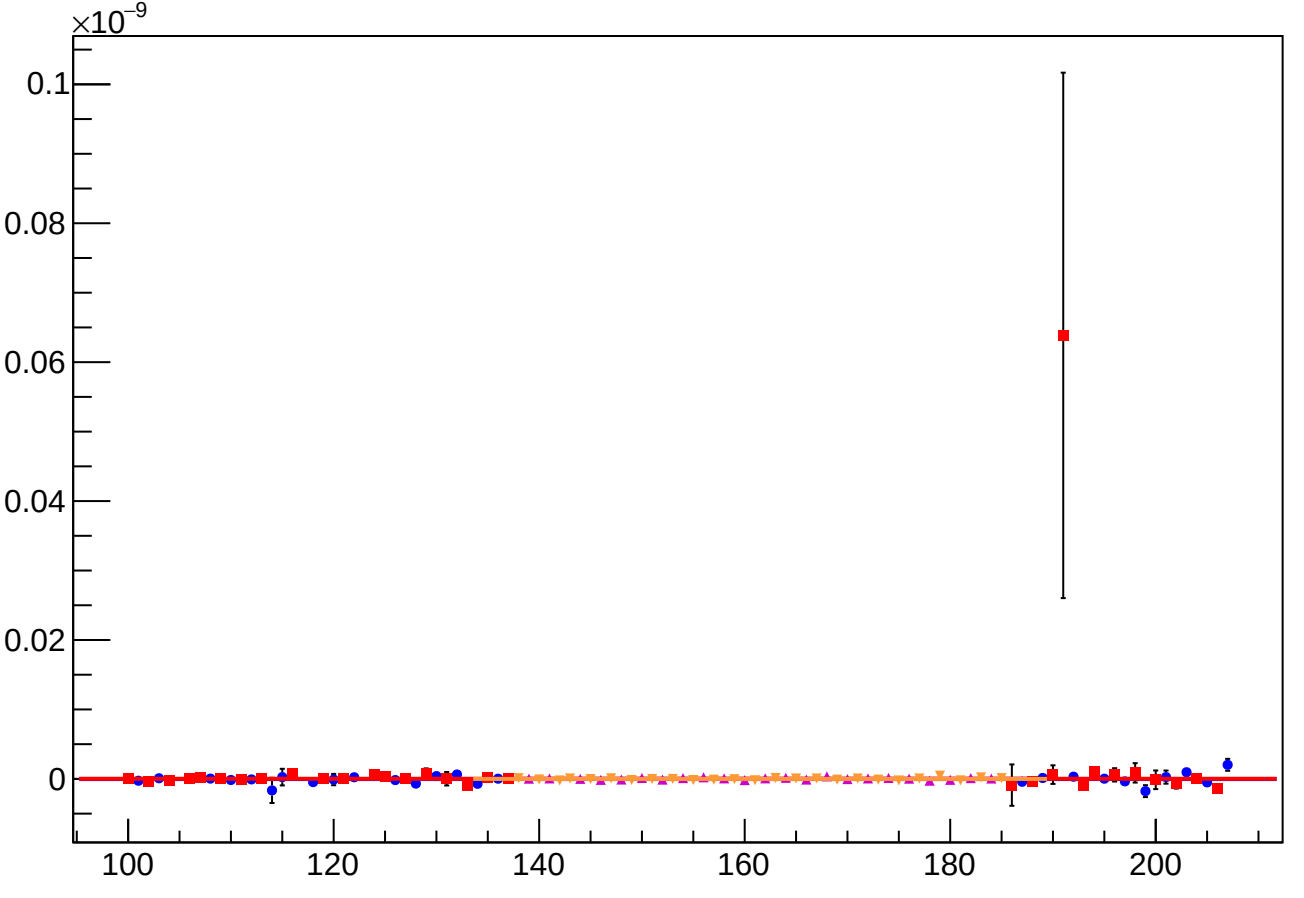
In: -491.865+/-775.882 χ^2/NDF:48.3/48

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -501.440+/-531.200 χ^2/NDF: 100.5/104


asym_atl_dd_atr_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4363.691+/-0.819 χ²/NDF: 1410984.6/25
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: 4253.944+/-0.559 χ²/NDF: 3896887.1/56
In: 4380.587+/-0.549 χ²/NDF:2500150.6/48
Out: 4174.617+/-0.513 χ²/NDF:4249512.4/55
All: 4270.739+/-0.375 χ²/NDF: 6824832.0/10

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/25

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

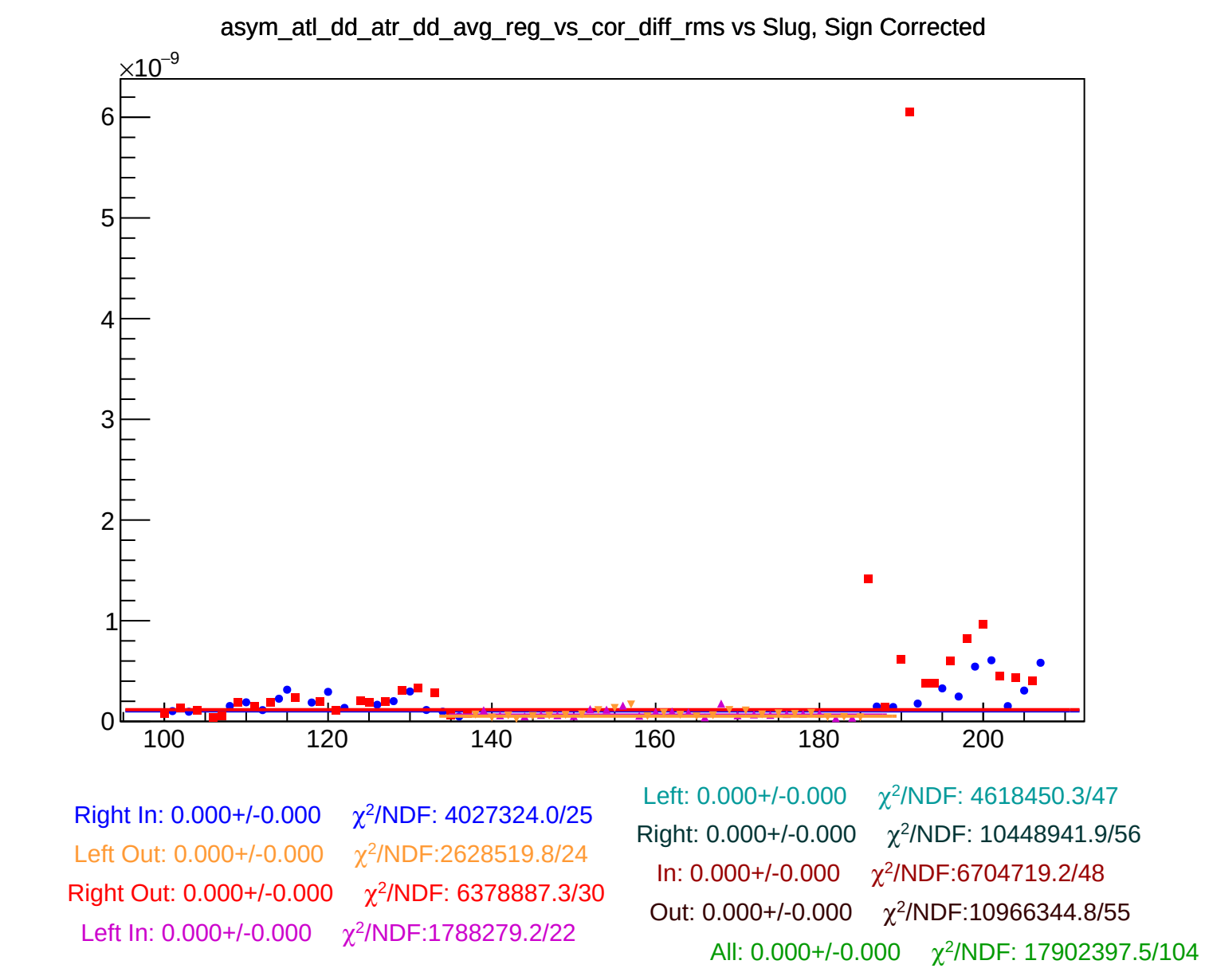
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/56

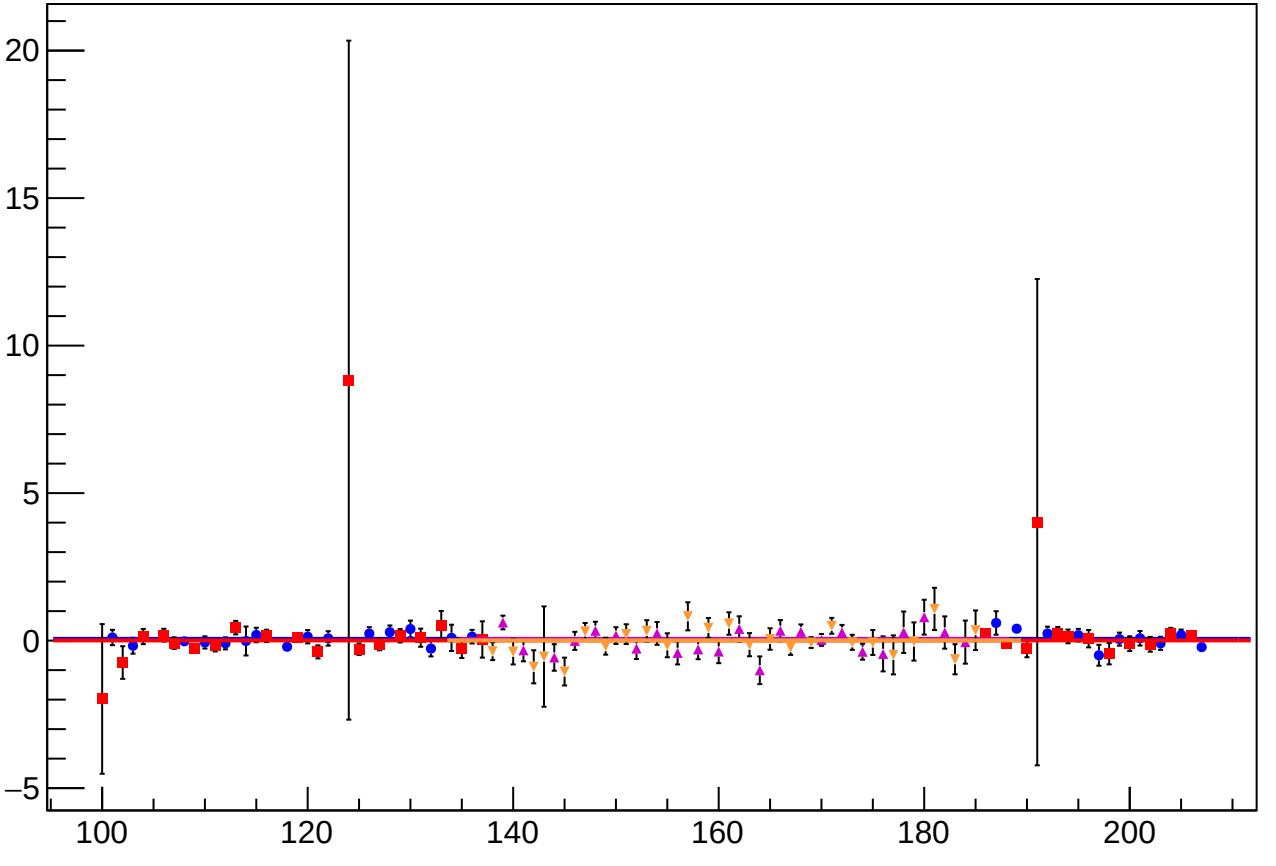
In: 0.000+/-0.000 χ^2/NDF:51.8/48

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 115.6/104


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: 4027324.0/25
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: 10448941.9/56
In: 0.000+/-0.000 χ²/NDF:6704719.2/48
Out: 0.000+/-0.000 χ²/NDF:10966344.8/55
All: 0.000+/-0.000 χ²/NDF: 17902397.5/104

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

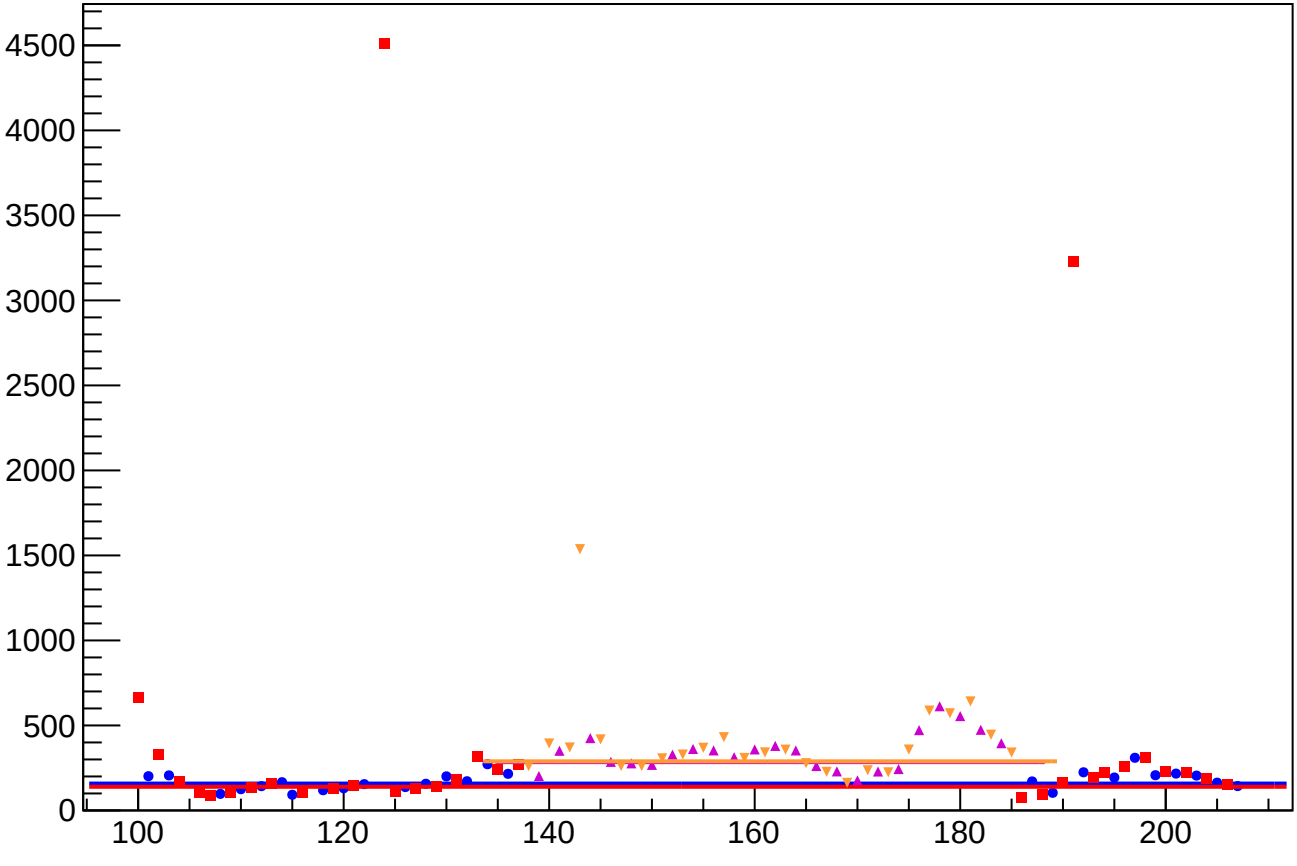
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235932.9/25

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

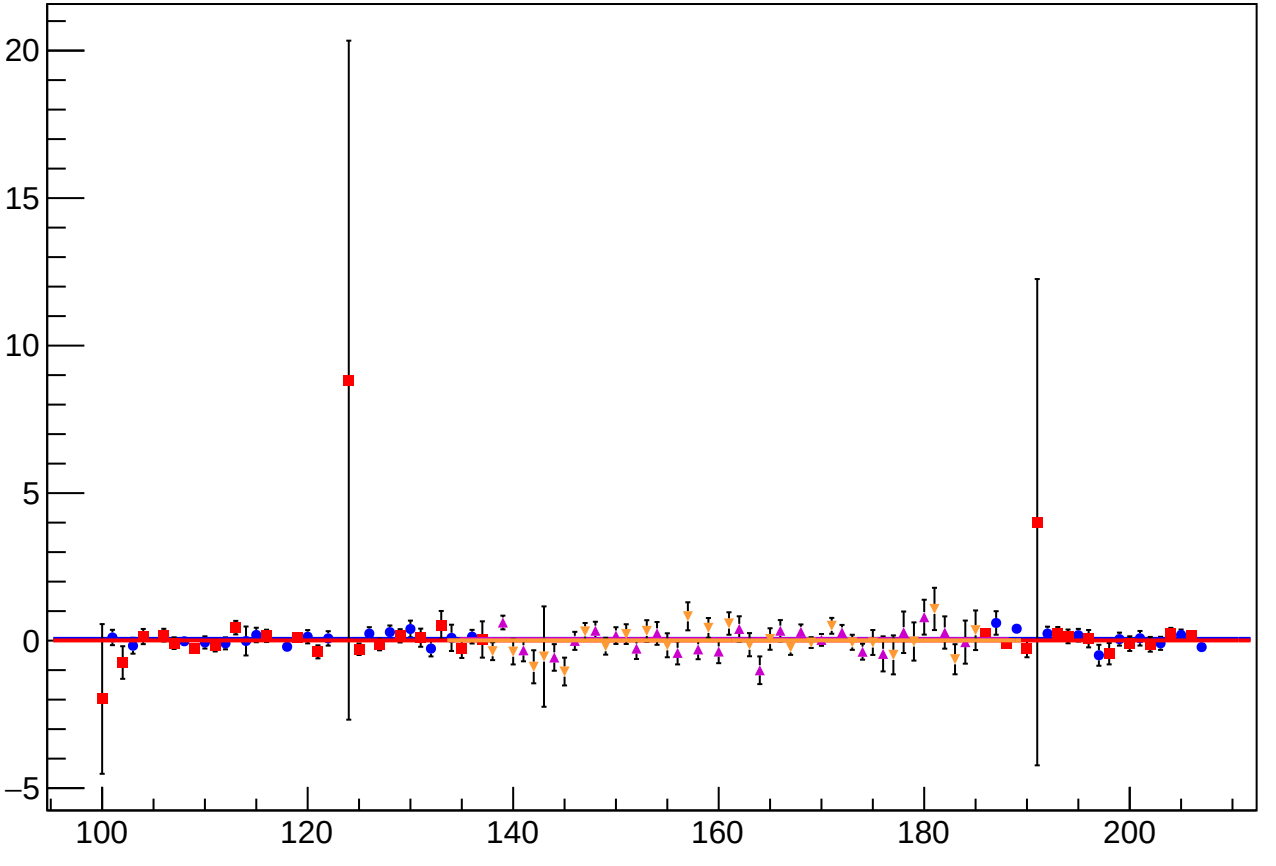
Right: 147.578+/-0.020 χ^2/NDF: 7119648.1/56

In: 192.949+/-0.026 χ^2/NDF:9953913.7/48

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 182.453+/-0.018 χ^2/NDF: 26418523.1/10

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

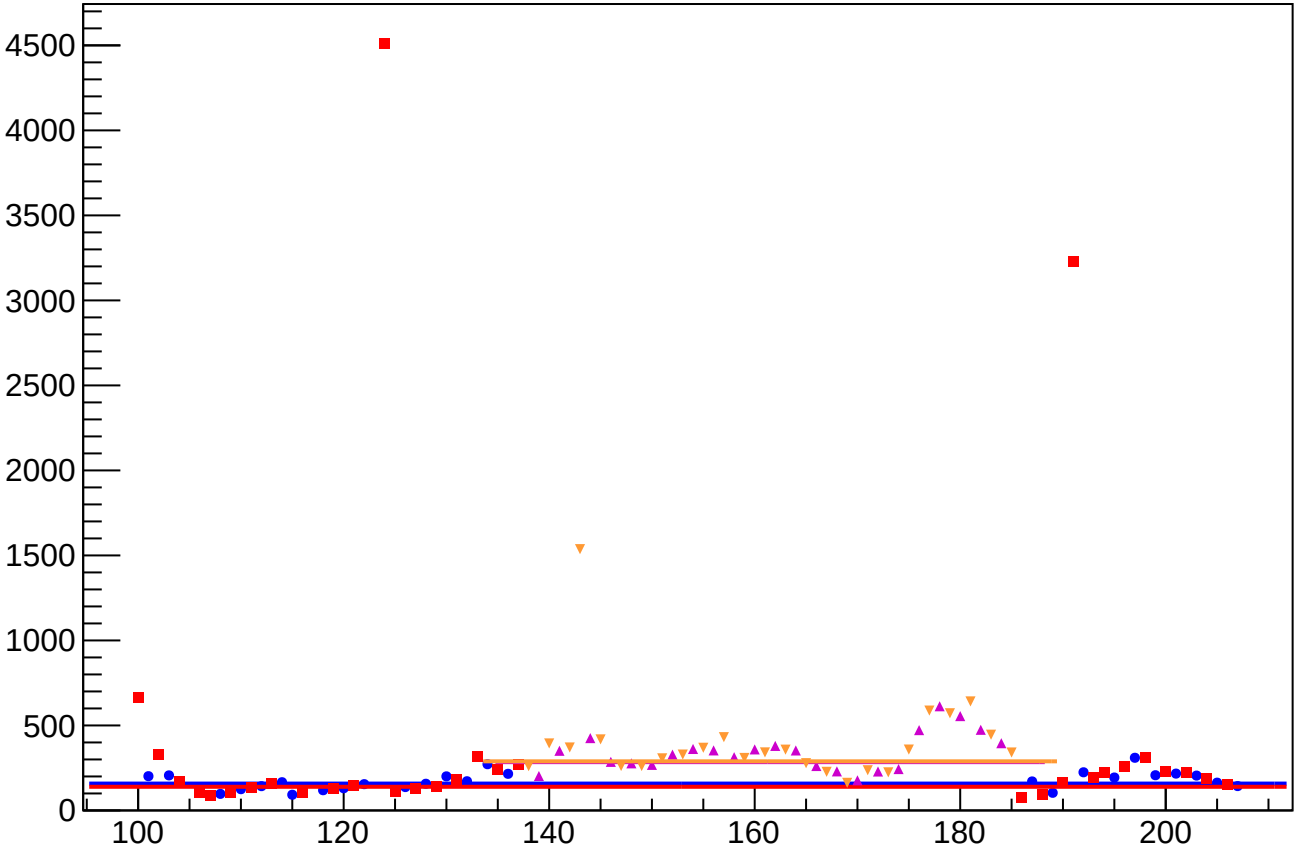
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235932.9/25

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

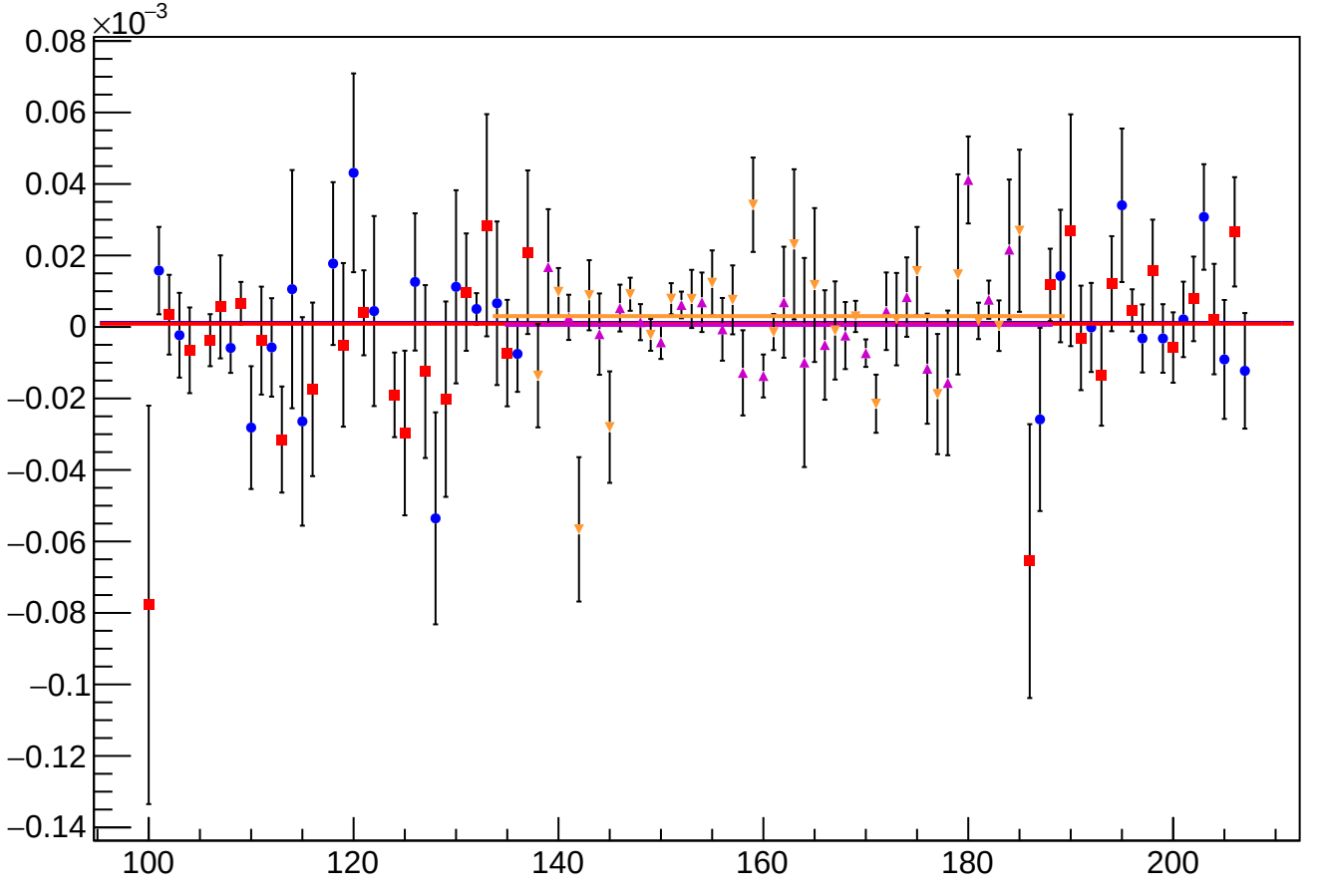
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.578+/-0.020 χ^2/NDF: 7119648.1/56

In: 192.949+/-0.026 χ^2/NDF:9953913.7/48

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 182.453+/-0.018 χ^2/NDF: 26418523.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/25

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

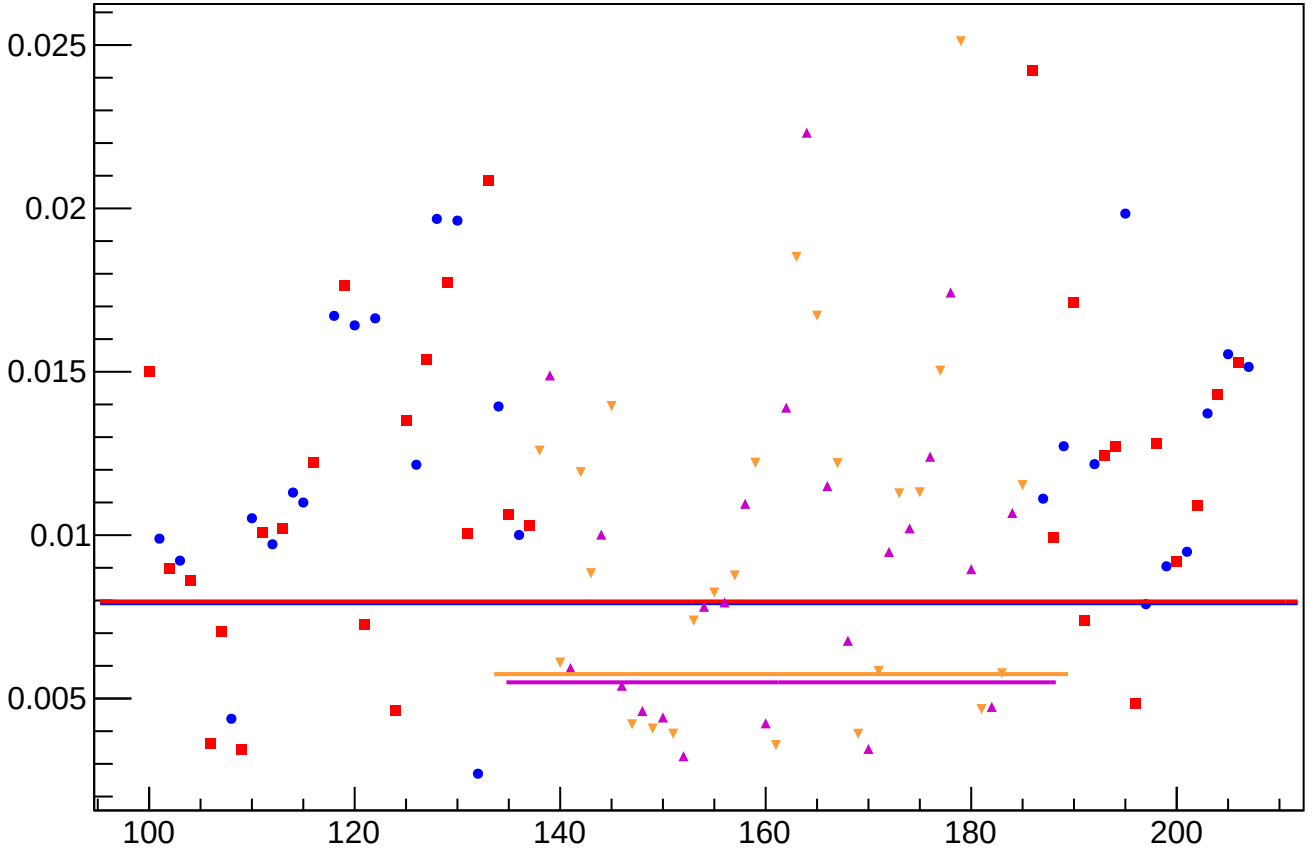
Right: 0.000+/-0.000 χ^2/NDF: 53.1/56

In: 0.000+/-0.000 χ^2/NDF:57.6/48

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 130.0/104

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7412887.6/25

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

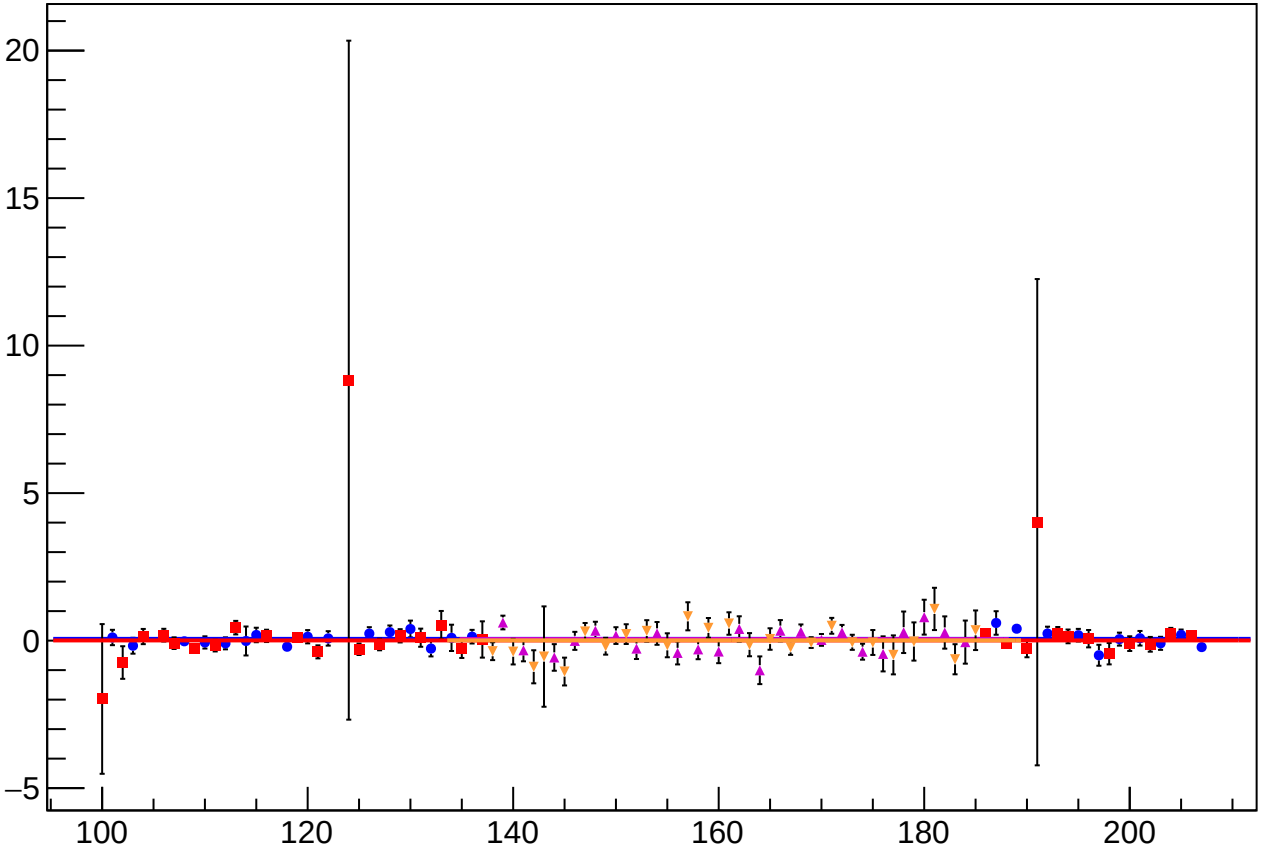
Right: 0.008+/-0.000 χ^2/NDF: 13835930.9/56

In: 0.006+/-0.000 χ^2/NDF:15799976.4/48

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31727909.0/104

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

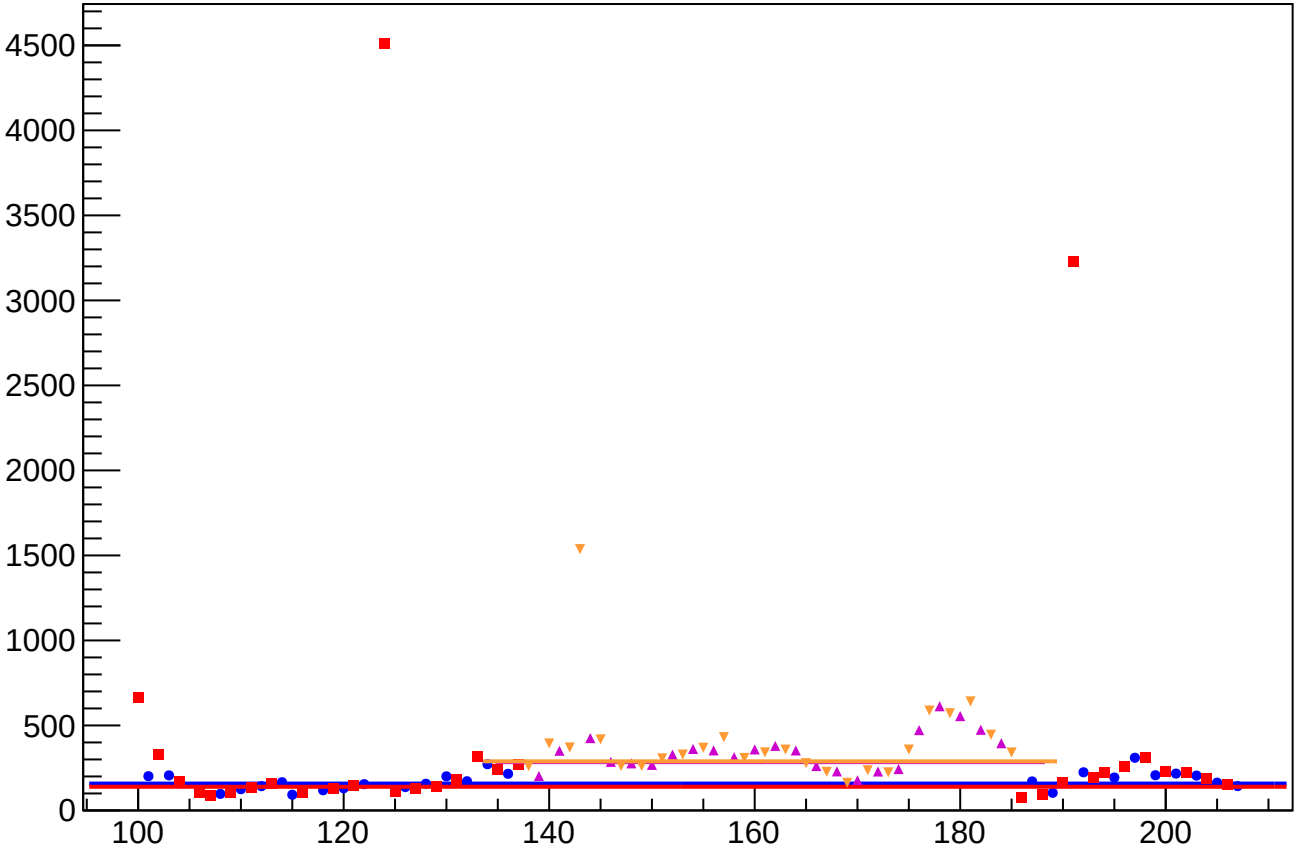
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235925.3/25

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

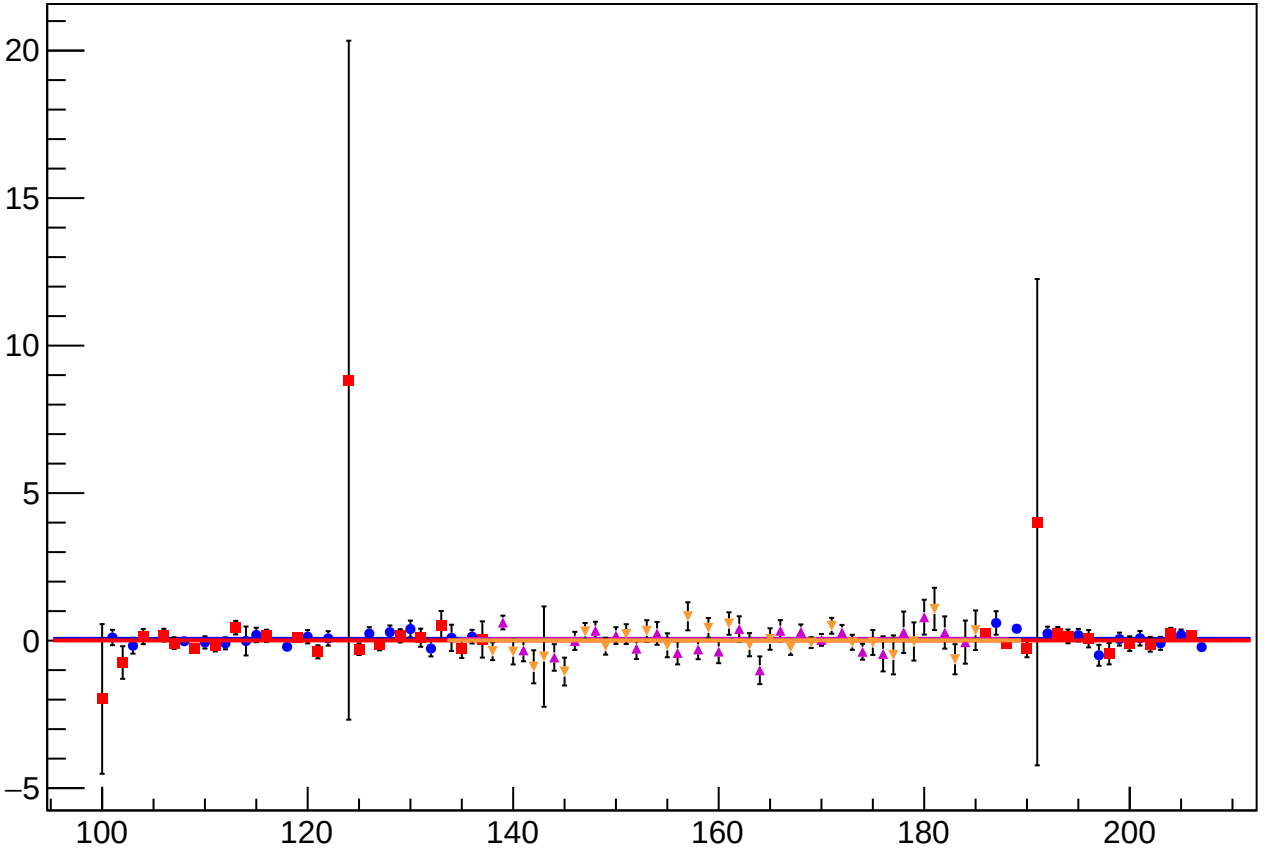
Right: 147.579+/-0.020 χ^2/NDF: 7119434.7/56

In: 192.949+/-0.026 χ^2/NDF:9954073.4/48

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 182.455+/-0.018 χ^2/NDF: 26418417.8/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

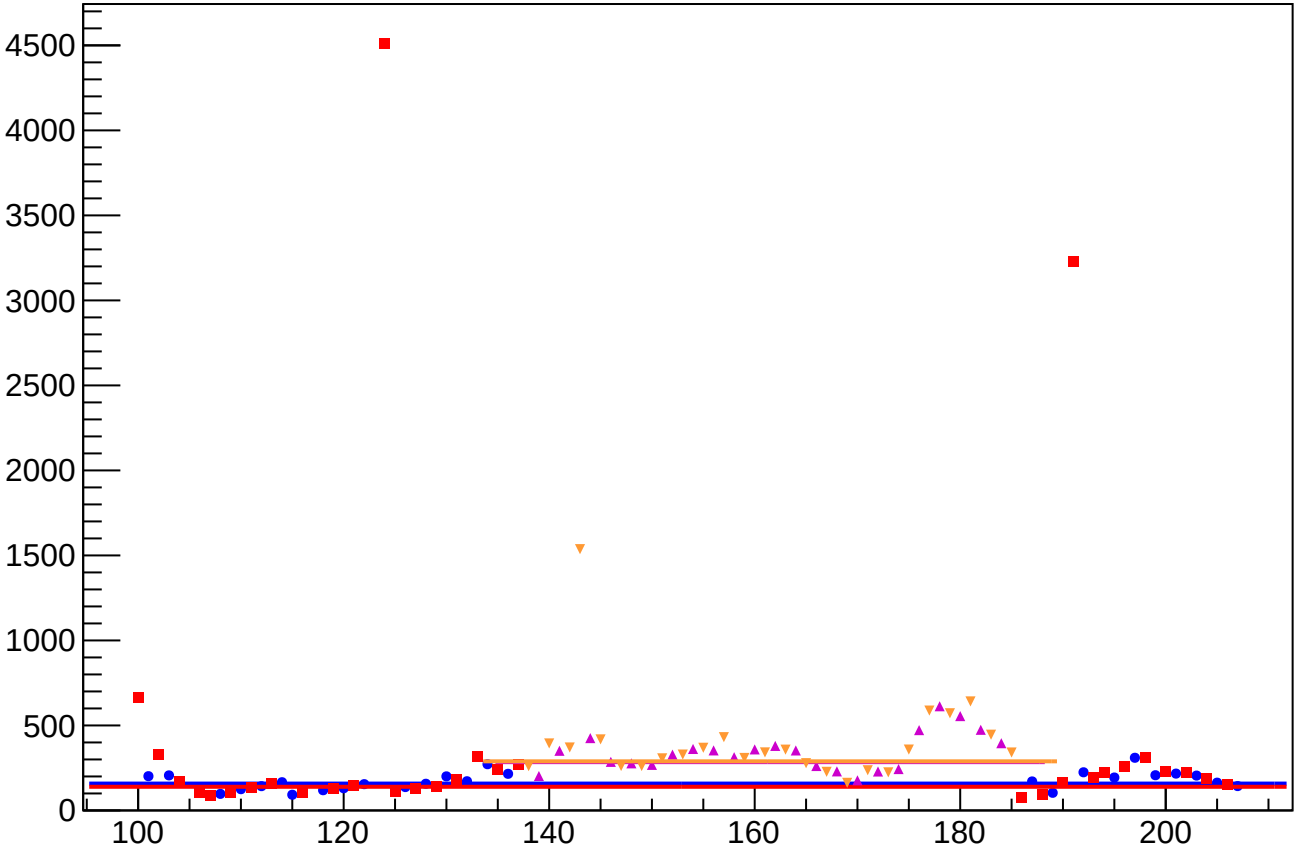
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235925.3/25

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

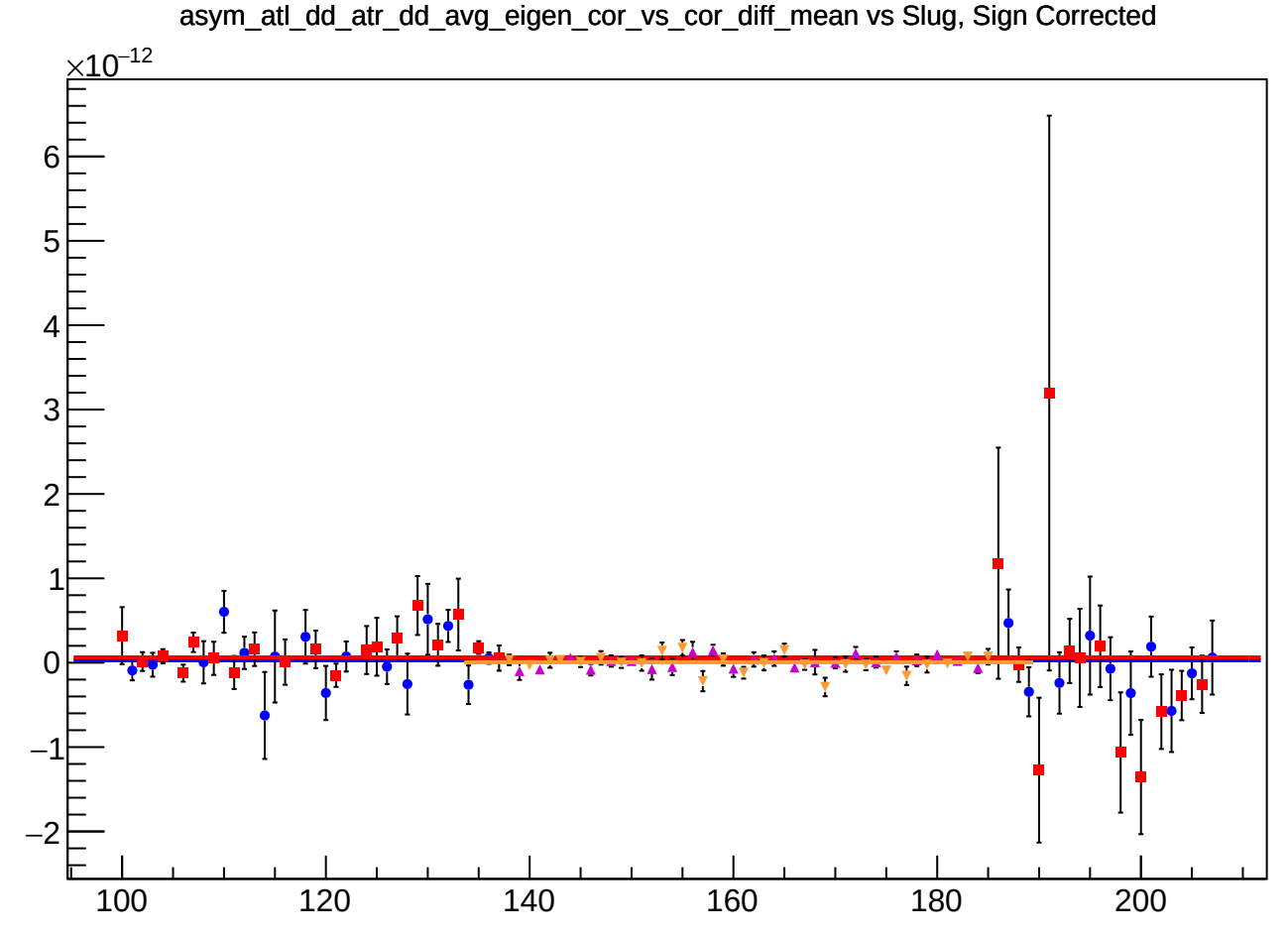
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.579+/-0.020 χ^2/NDF: 7119434.7/56

In: 192.949+/-0.026 χ^2/NDF:9954073.4/48

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 182.455+/-0.018 χ^2/NDF: 26418417.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/25

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

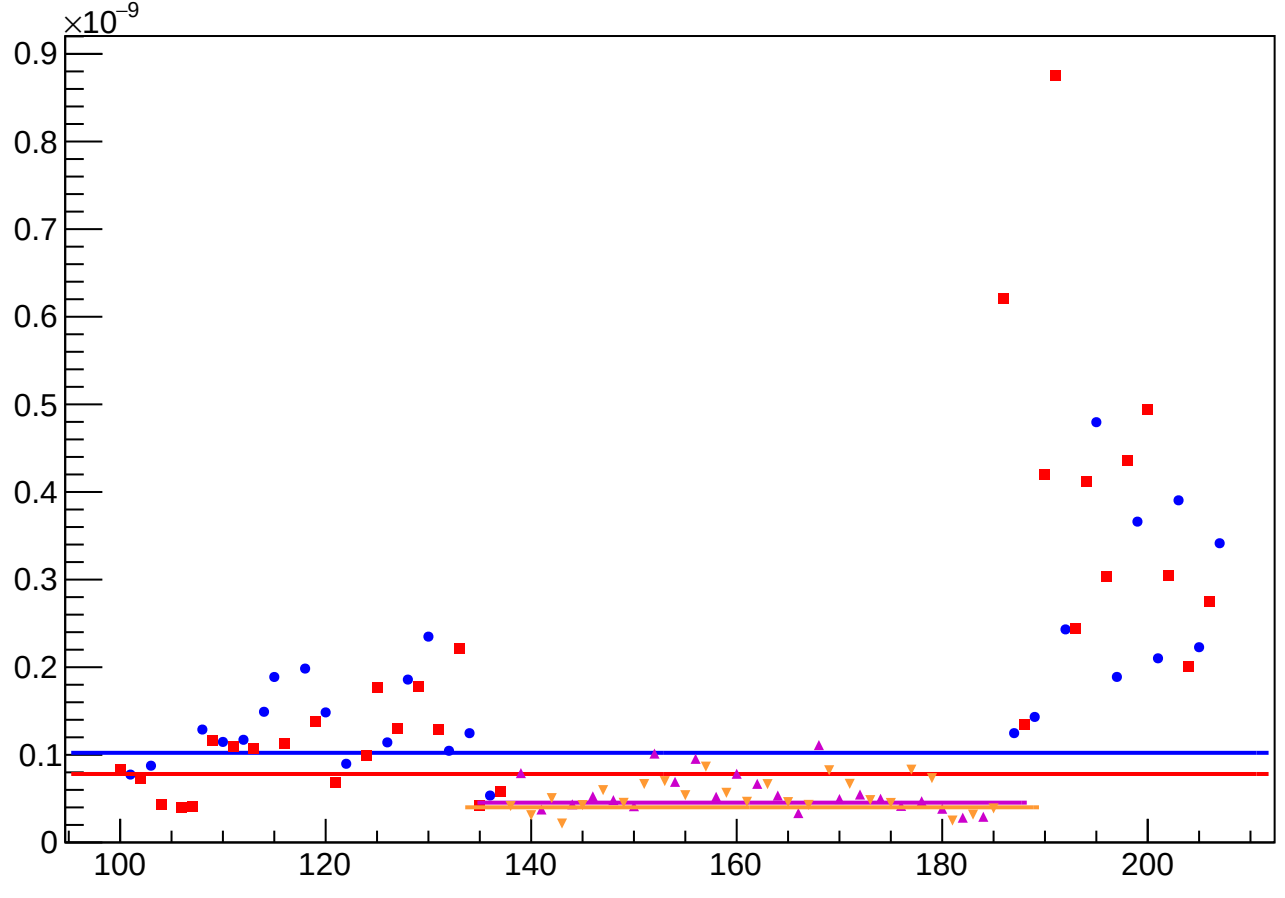
Right: 0.000+/-0.000 χ^2/NDF: 61.0/56

In: 0.000+/-0.000 χ^2/NDF:48.7/48

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.8/104

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: 5234990.1/25

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

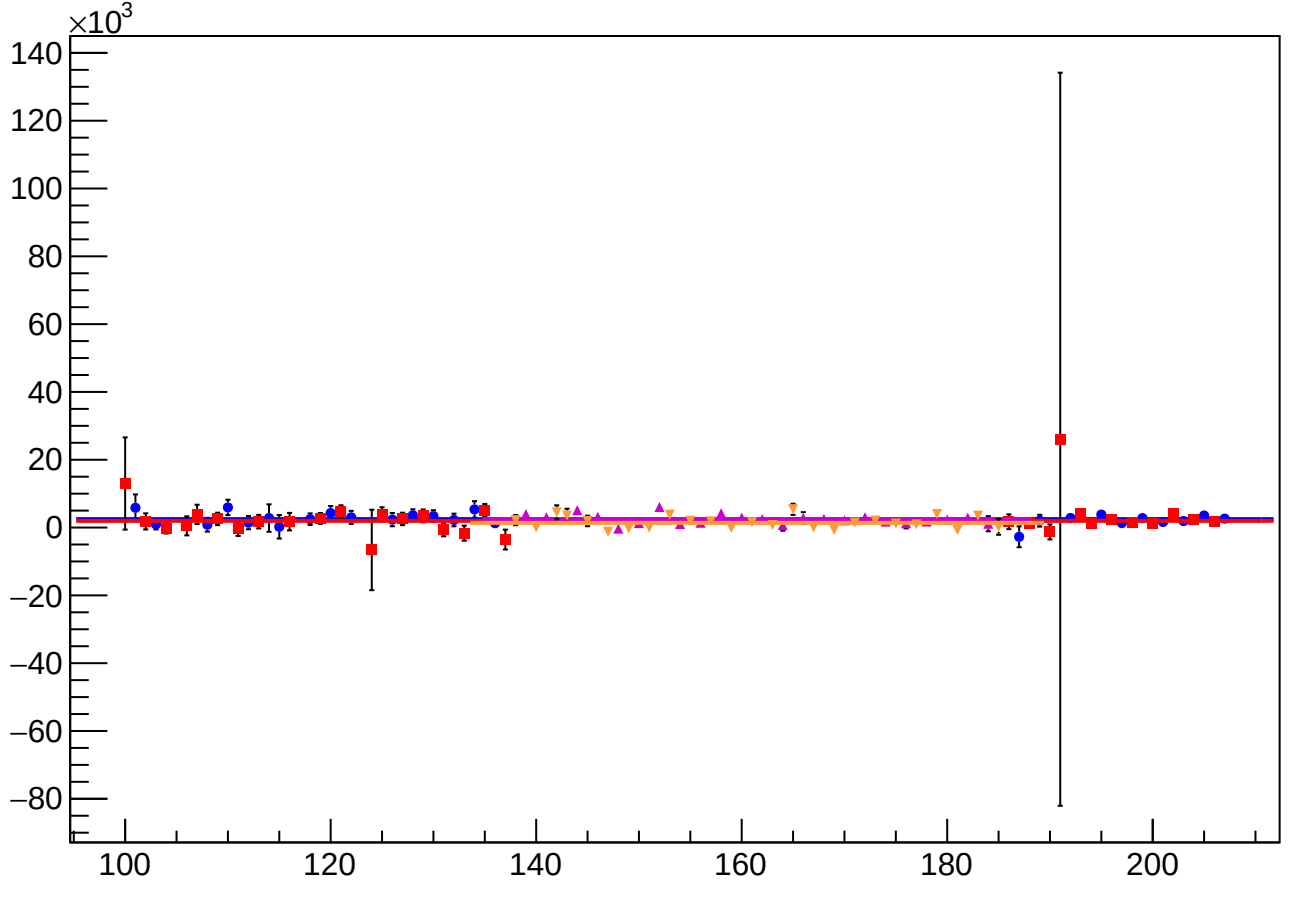
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13288275.0/56

In: 0.000+/-0.000 χ^2/NDF:11584194.8/48

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 25445033.4/104



Right In: 2491.321+/-337.744 χ^2/NDF: 14.8/25

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

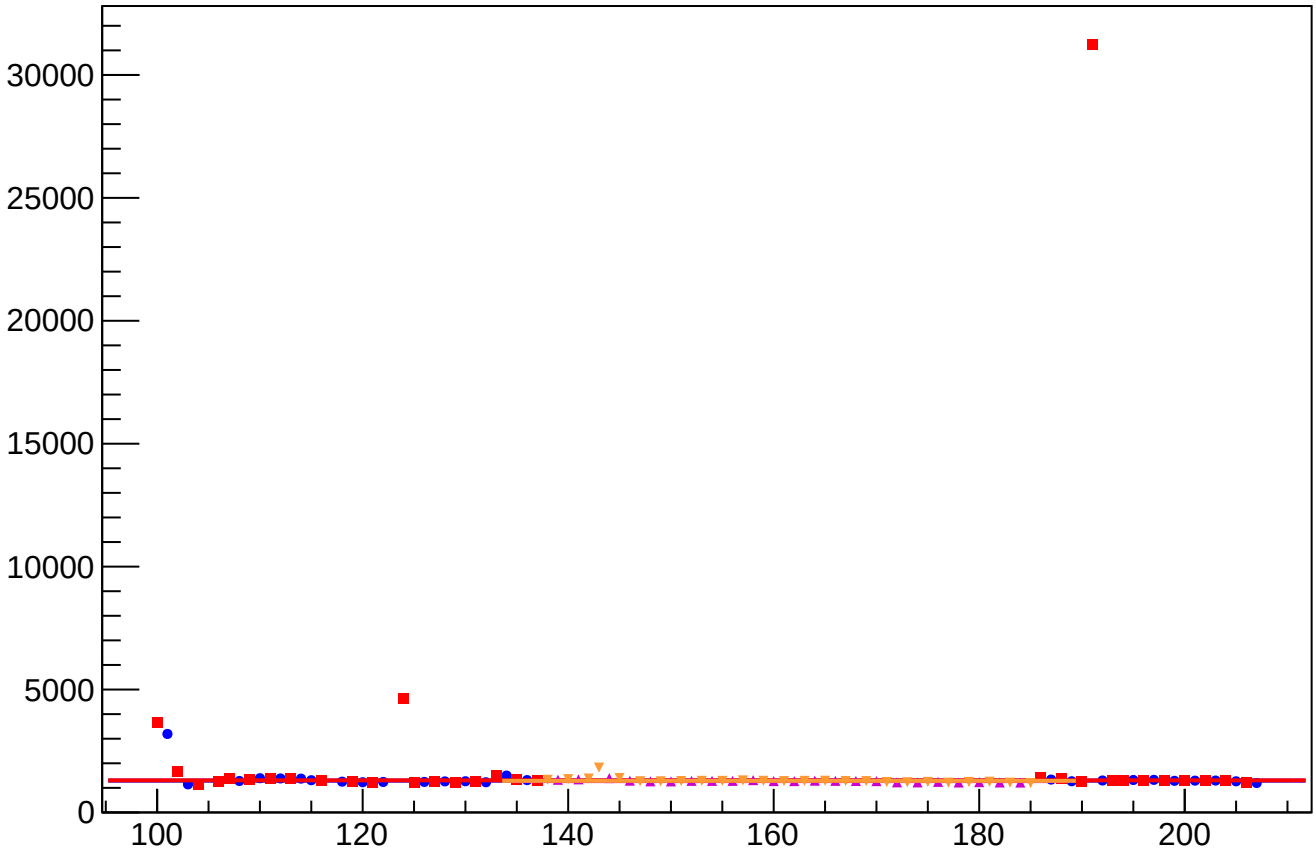
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2228.514+/-235.572 χ^2/NDF: 44.1/56

In: 2507.085+/-223.495 χ^2/NDF:37.3/48

Out: 1647.011+/-218.637 χ^2/NDF:62.9/55

All: 2067.598+/-156.289 χ^2/NDF: 107.7/104



Right In: 1294.748+/-0.239 χ^2/NDF: 532233.6/25

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

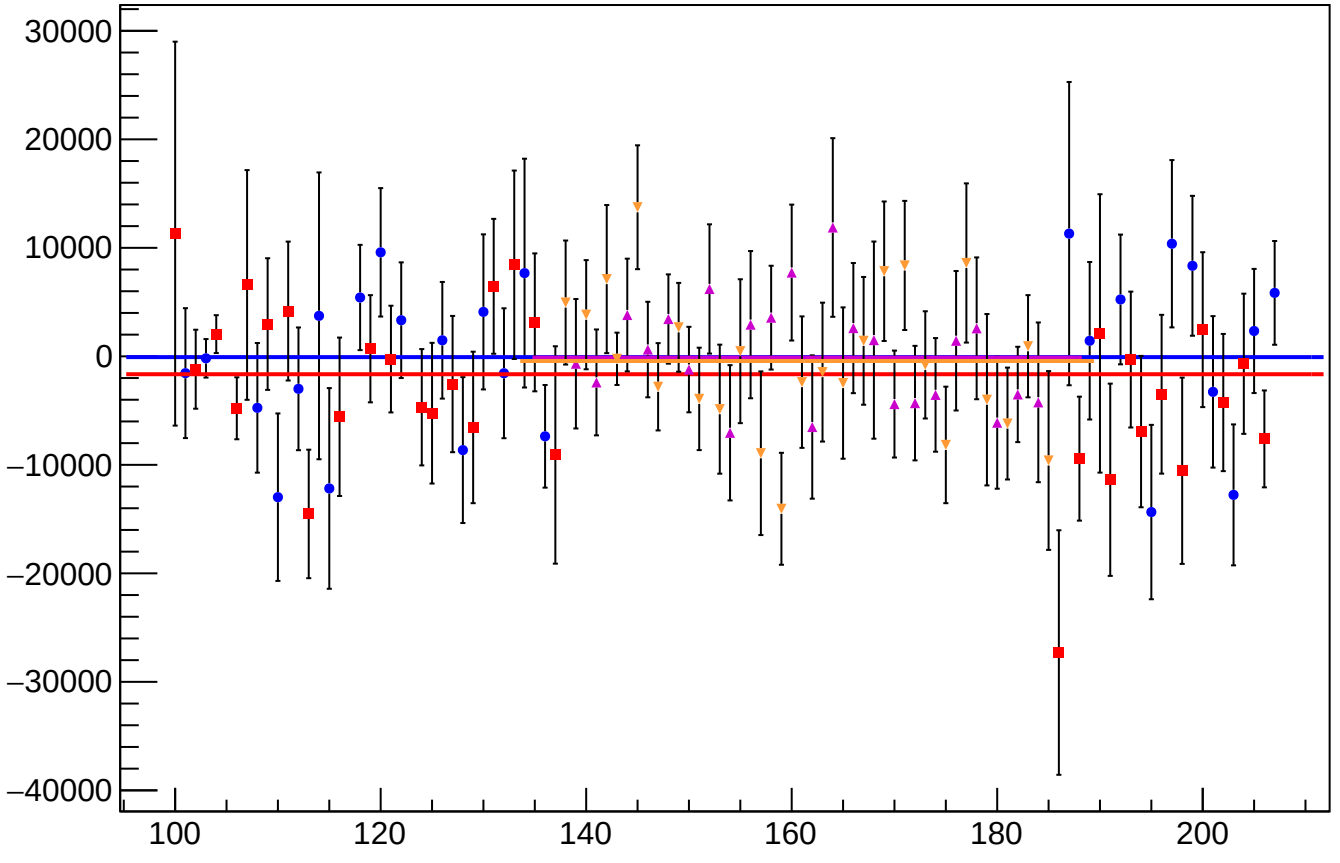
Right: 1300.578+/-0.166 χ^2/NDF: 1038550.1/56

In: 1284.176+/-0.158 χ^2/NDF:577118.7/48

Out: 1294.702+/-0.155 χ^2/NDF:700501.8/55

All: 1289.557+/-0.110 χ^2/NDF: 1279888.4/10

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -71.479+/-1037.086 χ^2/NDF: 28.9/25

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

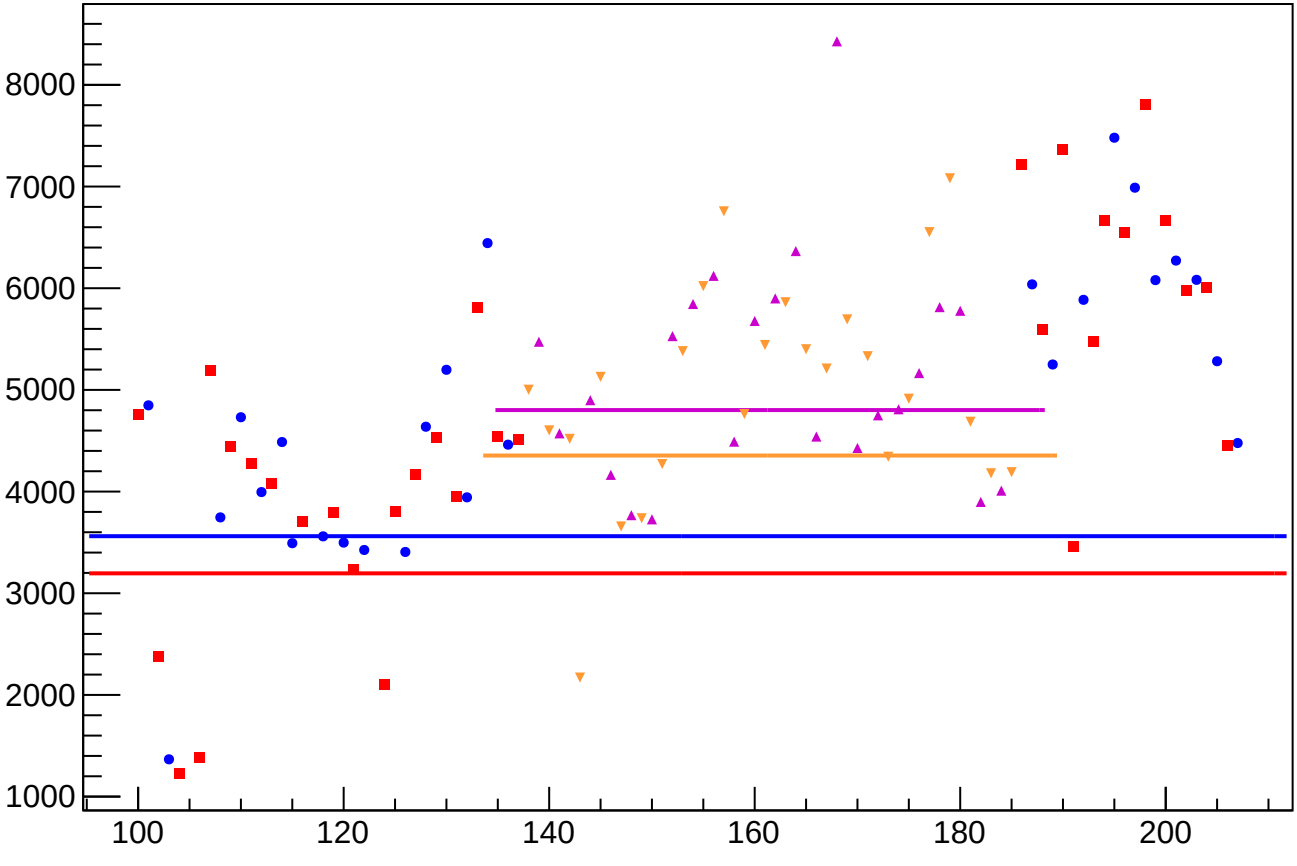
Right: -944.372+/-693.064 χ^2/NDF: 61.4/56

In: -93.052+/-768.566 χ^2/NDF:42.5/48

Out: -1104.383+/-693.348 χ^2/NDF:61.9/55

All: -650.615+/-514.815 χ^2/NDF: 105.3/104

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 3561.200+/-0.733 χ^2/NDF: 6114321.0/25

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

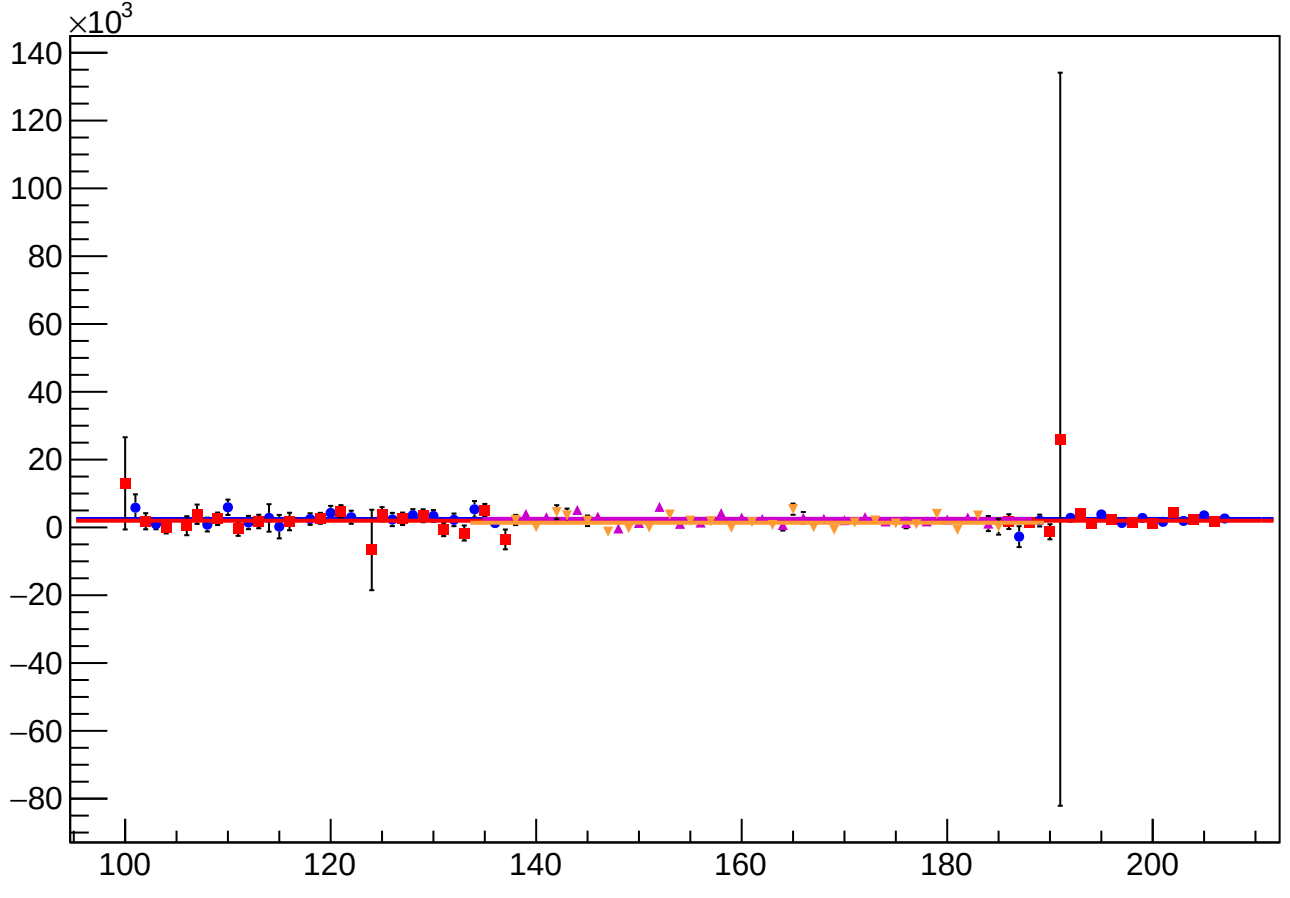
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3358.934+/-0.490 χ^2/NDF: 14539790.7/56

In: 4120.358+/-0.543 χ^2/NDF:8635899.7/48

Out: 3712.706+/-0.490 χ^2/NDF:12739927.5/55

All: 3895.613+/-0.364 χ^2/NDF: 21686030.6/



Right In: 2491.227+/-337.744 χ^2/NDF: 14.8/25

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

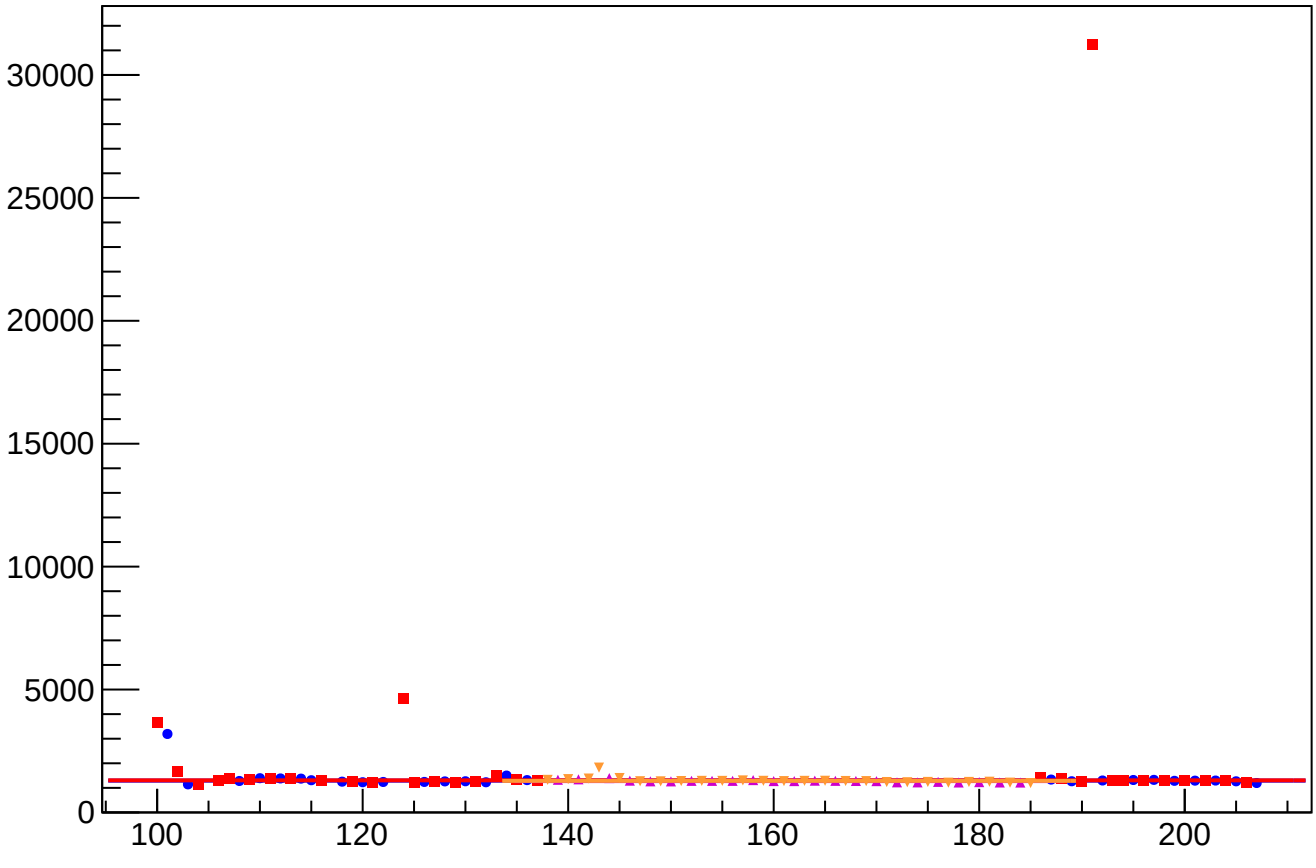
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2228.410+/-235.572 χ^2/NDF: 44.1/56

In: 2507.044+/-223.495 χ^2/NDF:37.3/48

Out: 1646.925+/-218.637 χ^2/NDF:62.9/55

All: 2067.534+/-156.289 χ^2/NDF: 107.7/104



Right In: 1294.748+/-0.239 χ^2/NDF: 532235.1/25

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

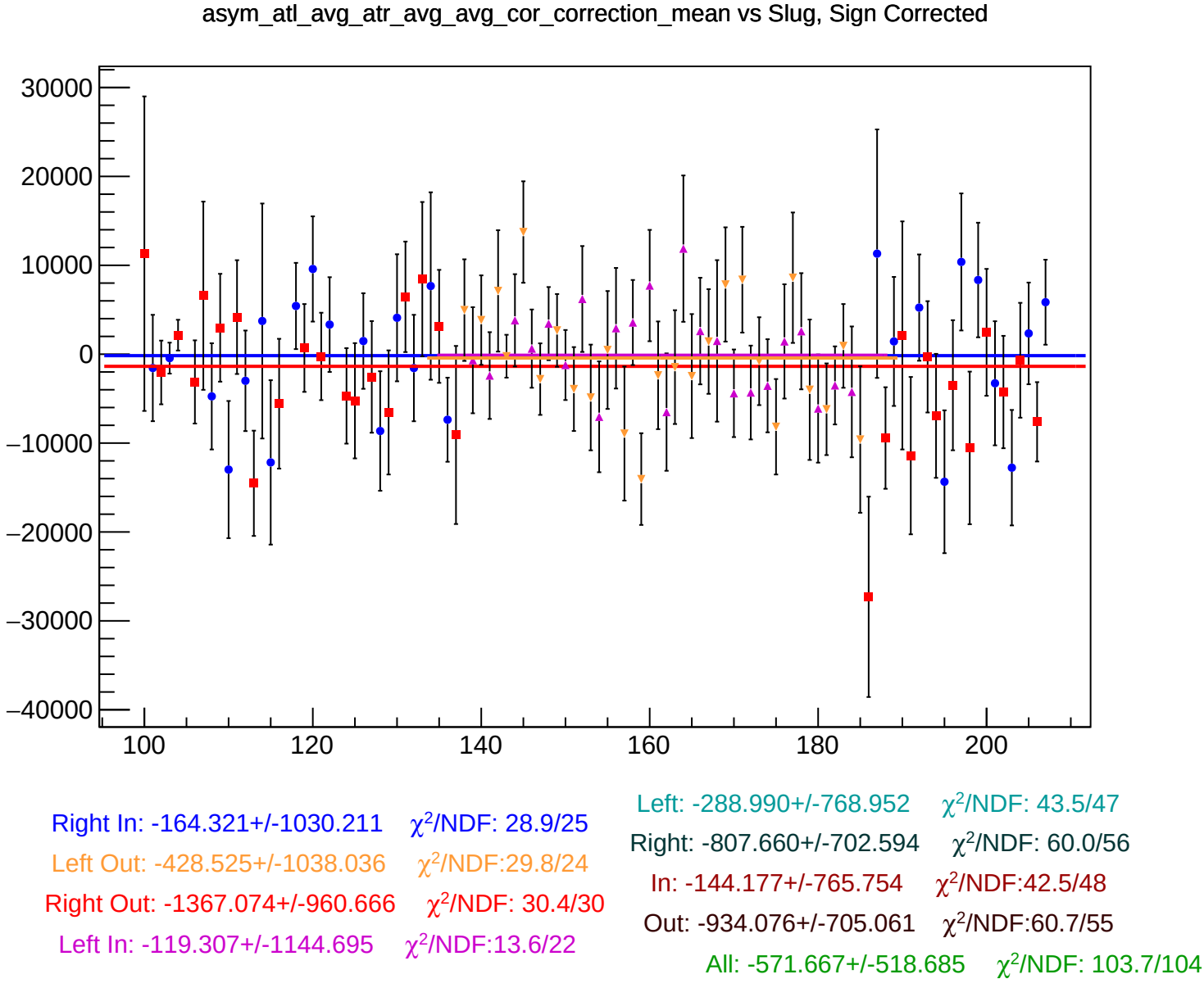
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

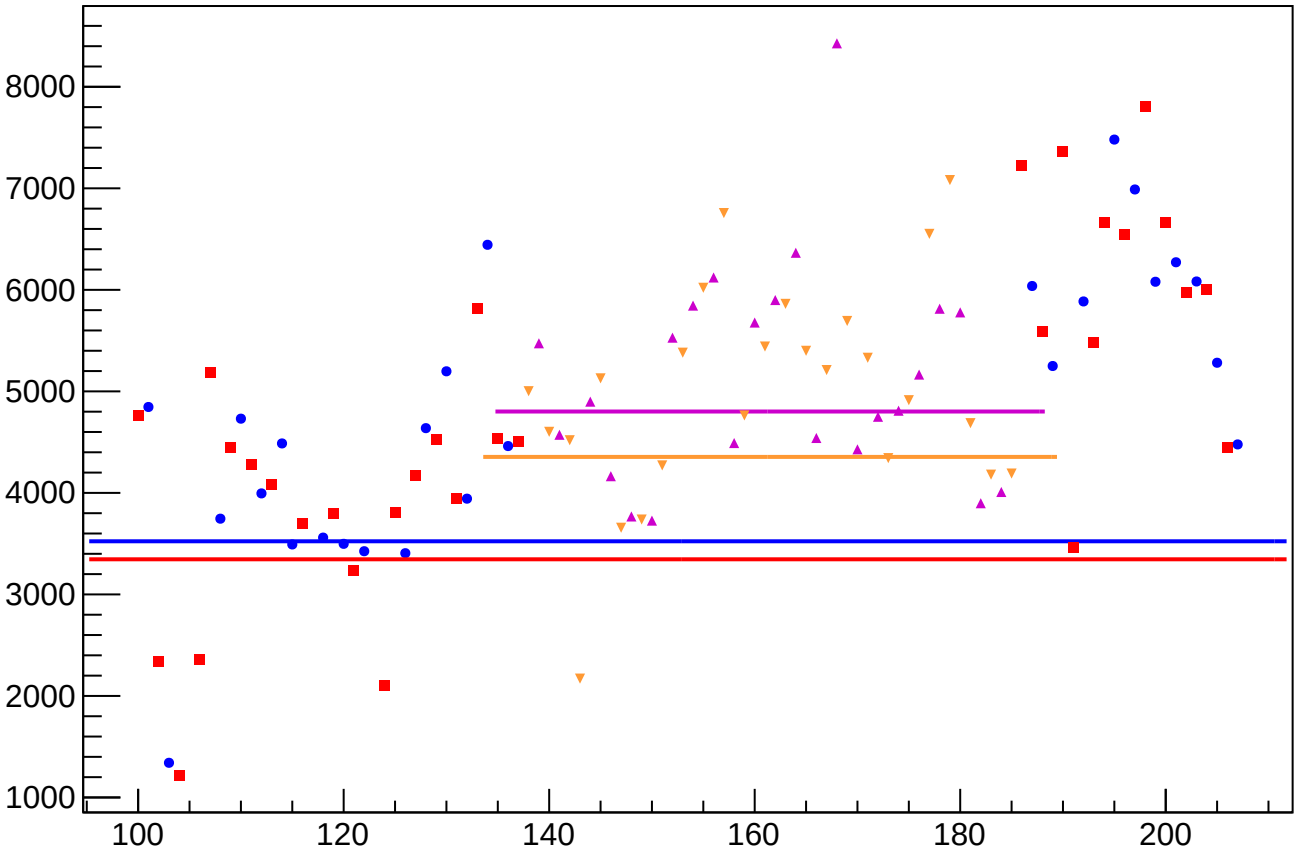
Right: 1300.829+/-0.167 χ^2/NDF: 1038349.2/56

In: 1284.176+/-0.158 χ^2/NDF:577120.1/48

Out: 1294.916+/-0.155 χ^2/NDF:700405.7/55

All: 1289.666+/-0.110 χ^2/NDF: 1279886.9/10


asym_atl_avg_atr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -164.321+/-1030.211 χ²/NDF: 28.9/25
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: -1367.074+/-960.666 χ²/NDF: 30.4/30
Left In: -119.307+/-1144.695 χ²/NDF:13.6/22
Left: -288.990+/-768.952 χ²/NDF: 43.5/47
Right: -807.660+/-702.594 χ²/NDF: 60.0/56
In: -144.177+/-765.754 χ²/NDF:42.5/48
Out: -934.076+/-705.061 χ²/NDF:60.7/55
All: -571.667+/-518.685 χ²/NDF: 103.7/104



Right In: 3523.379+/-0.728 χ^2/NDF: 6304704.0/25

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

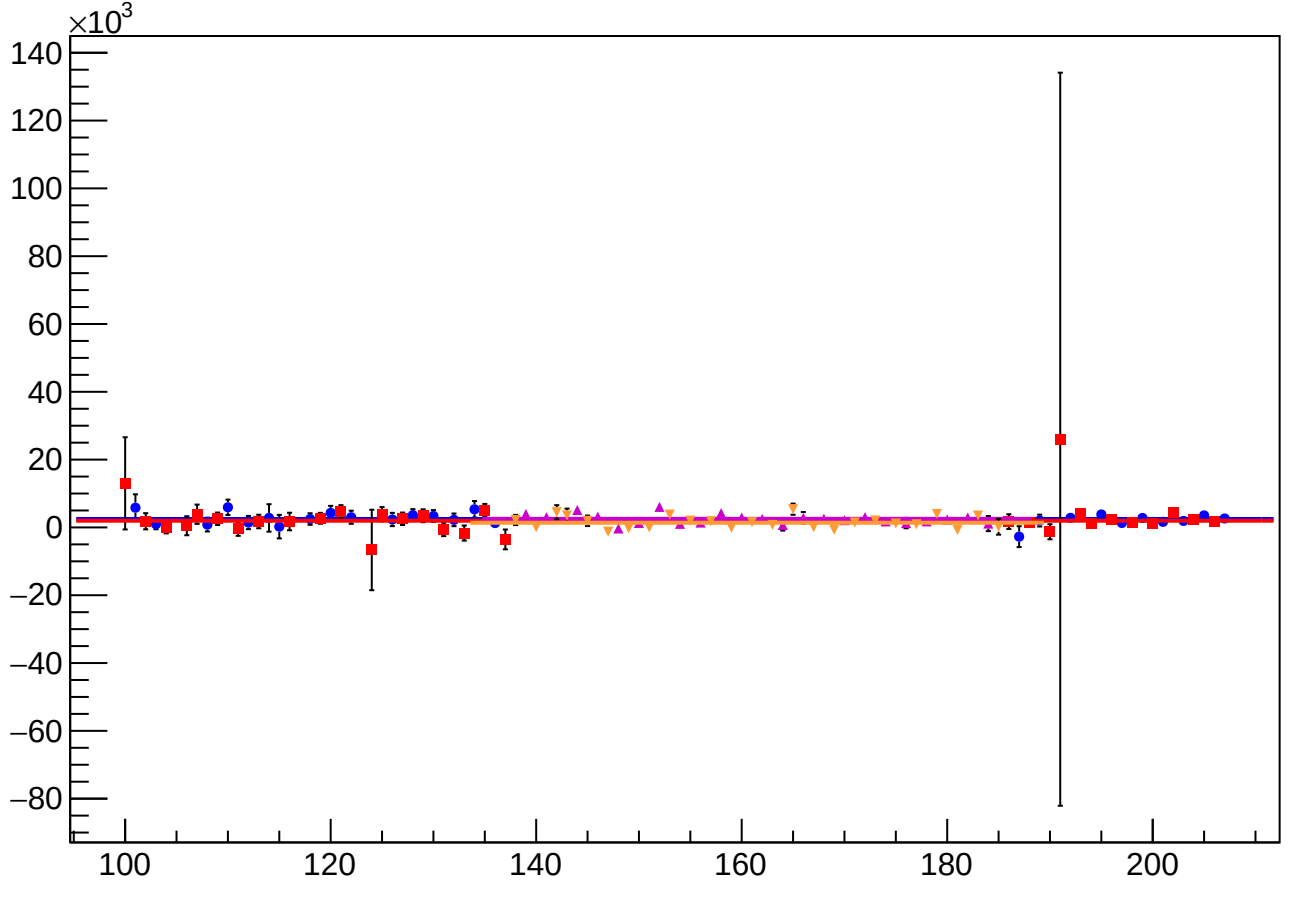
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3428.472+/-0.497 χ^2/NDF: 13928040.5/56

In: 4095.378+/-0.541 χ^2/NDF:8914344.7/48

Out: 3811.245+/-0.499 χ^2/NDF:11680134.1/55

All: 3941.607+/-0.367 χ^2/NDF: 20743500.4/



Right In: 2491.227+/-337.744 χ^2/NDF: 14.8/25

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

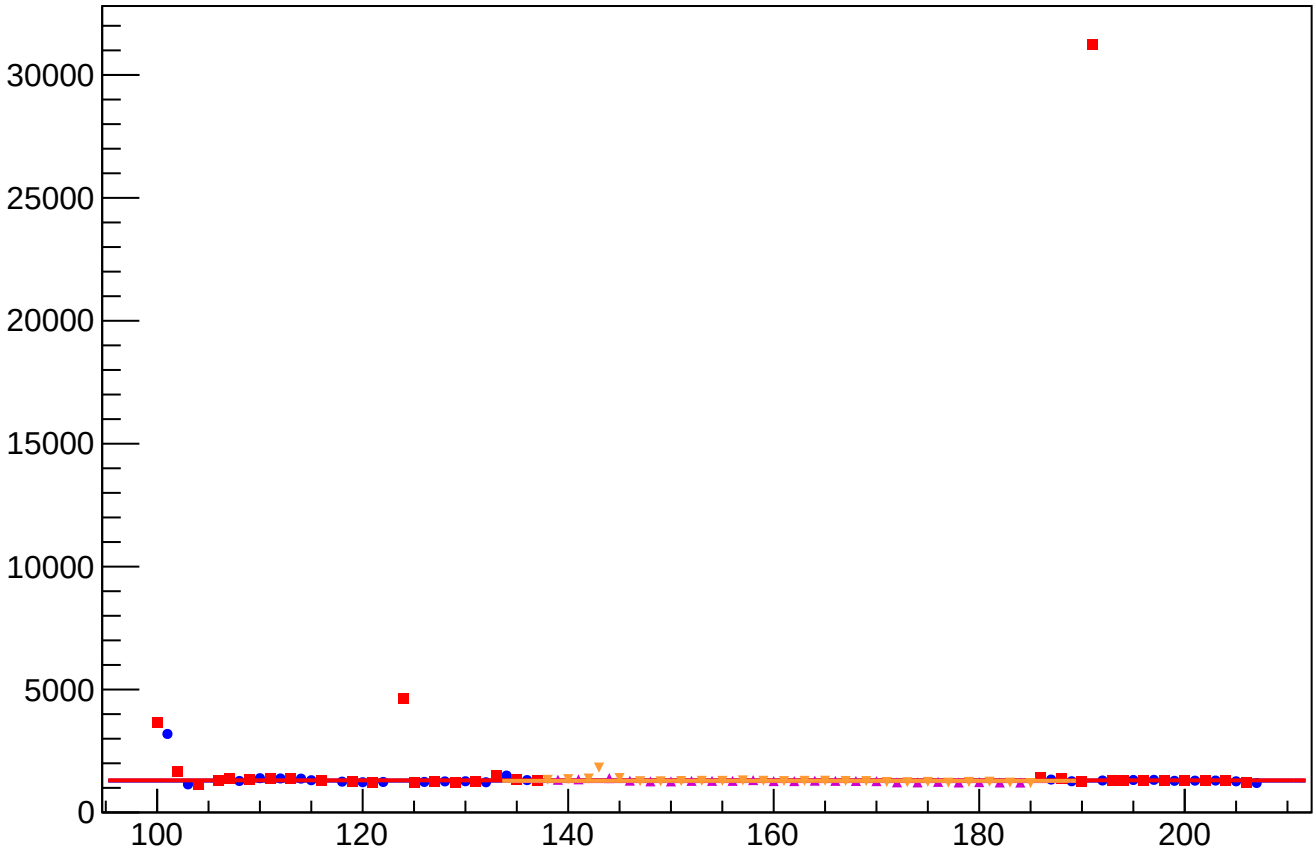
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2228.410+/-235.572 χ^2/NDF: 44.1/56

In: 2507.044+/-223.495 χ^2/NDF:37.3/48

Out: 1646.925+/-218.637 χ^2/NDF:62.9/55

All: 2067.534+/-156.289 χ^2/NDF: 107.7/104



Right In: 1294.748+/-0.239 χ^2/NDF: 532235.1/25

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

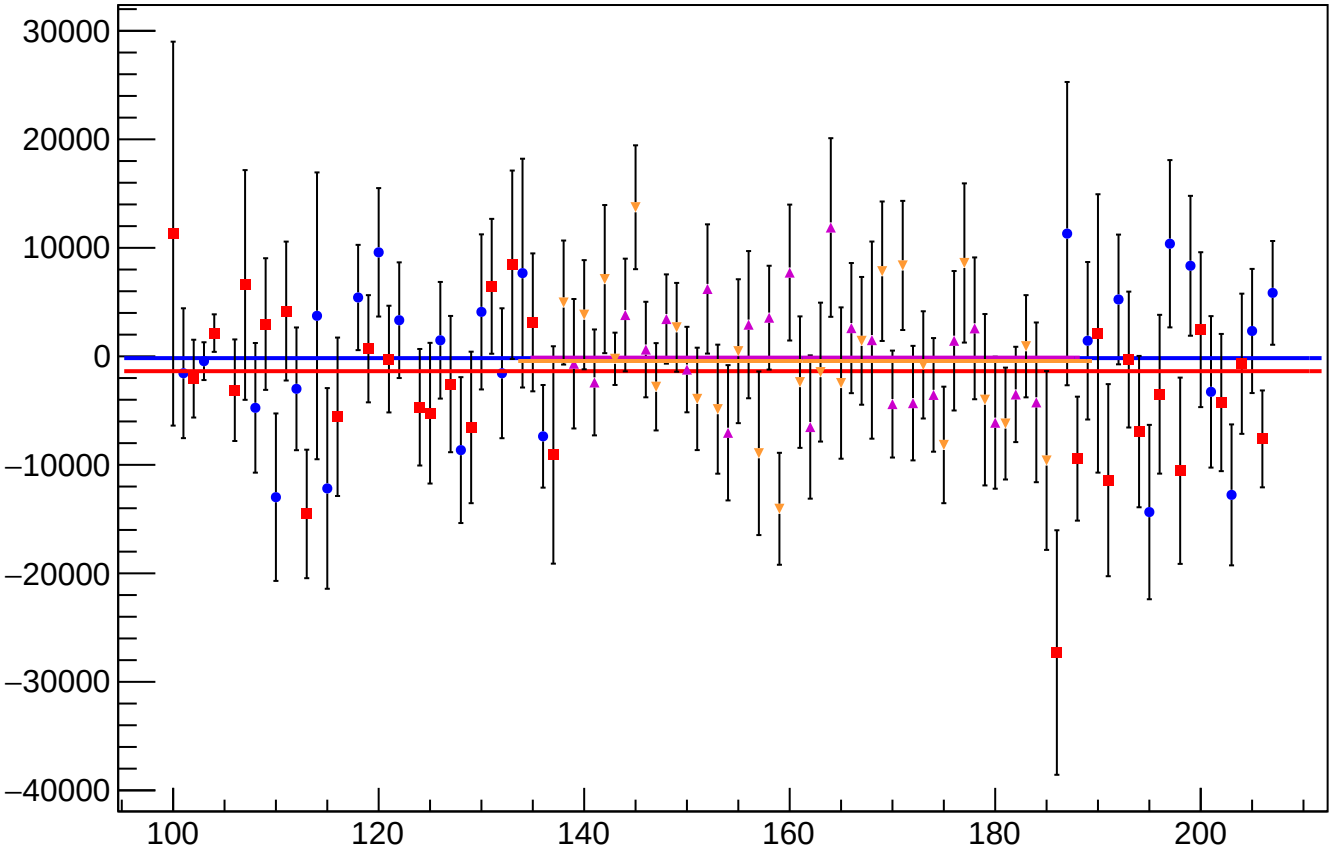
Right: 1300.829+/-0.167 χ^2/NDF: 1038349.2/56

In: 1284.176+/-0.158 χ^2/NDF:577120.1/48

Out: 1294.916+/-0.155 χ^2/NDF:700405.7/55

All: 1289.666+/-0.110 χ^2/NDF: 1279886.9/10

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -164.321+/-1030.211 χ^2/NDF: 28.9/25

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

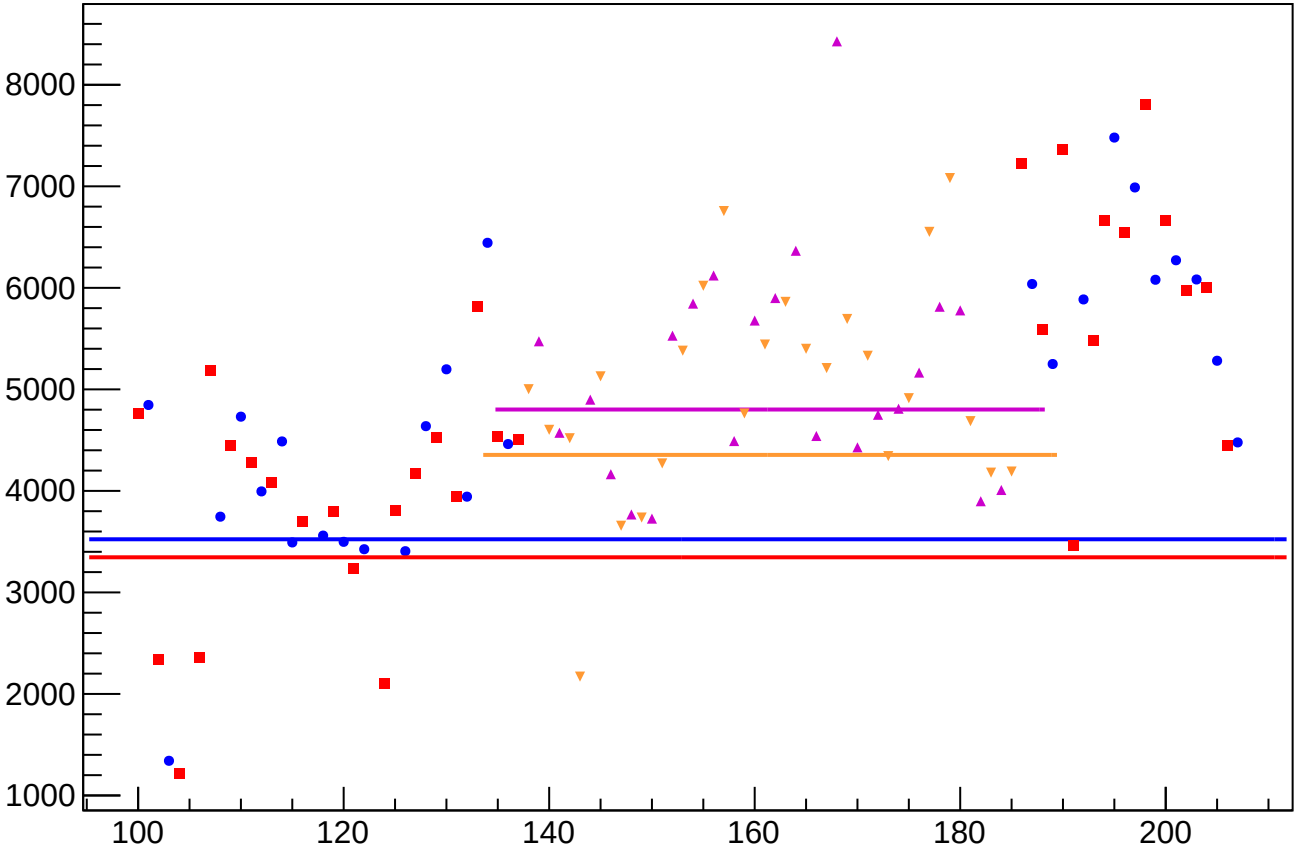
Right: -807.660+/-702.594 χ^2/NDF: 60.0/56

In: -144.177+/-765.754 χ^2/NDF:42.5/48

Out: -934.076+/-705.061 χ^2/NDF:60.7/55

All: -571.667+/-518.685 χ^2/NDF: 103.7/104

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3523.379+/-0.728 χ^2/NDF: 6304704.0/25

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

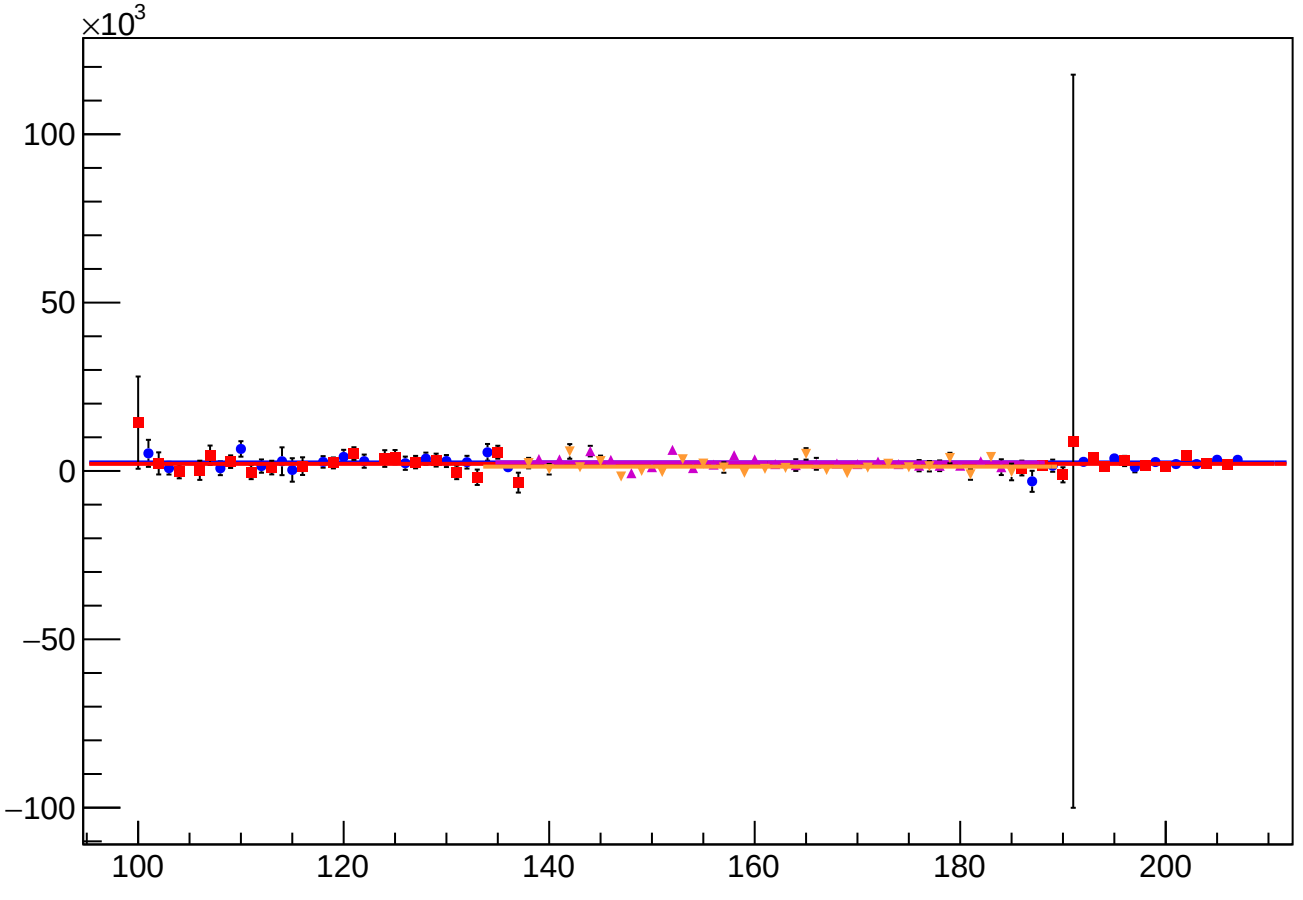
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3428.472+/-0.497 χ^2/NDF: 13928040.5/56

In: 4095.378+/-0.541 χ^2/NDF:8914344.7/48

Out: 3811.245+/-0.499 χ^2/NDF:11680134.1/55

All: 3941.607+/-0.367 χ^2/NDF: 20743500.4/



Right In: 2533.606+/-347.389 χ^2/NDF: 15.3/25

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

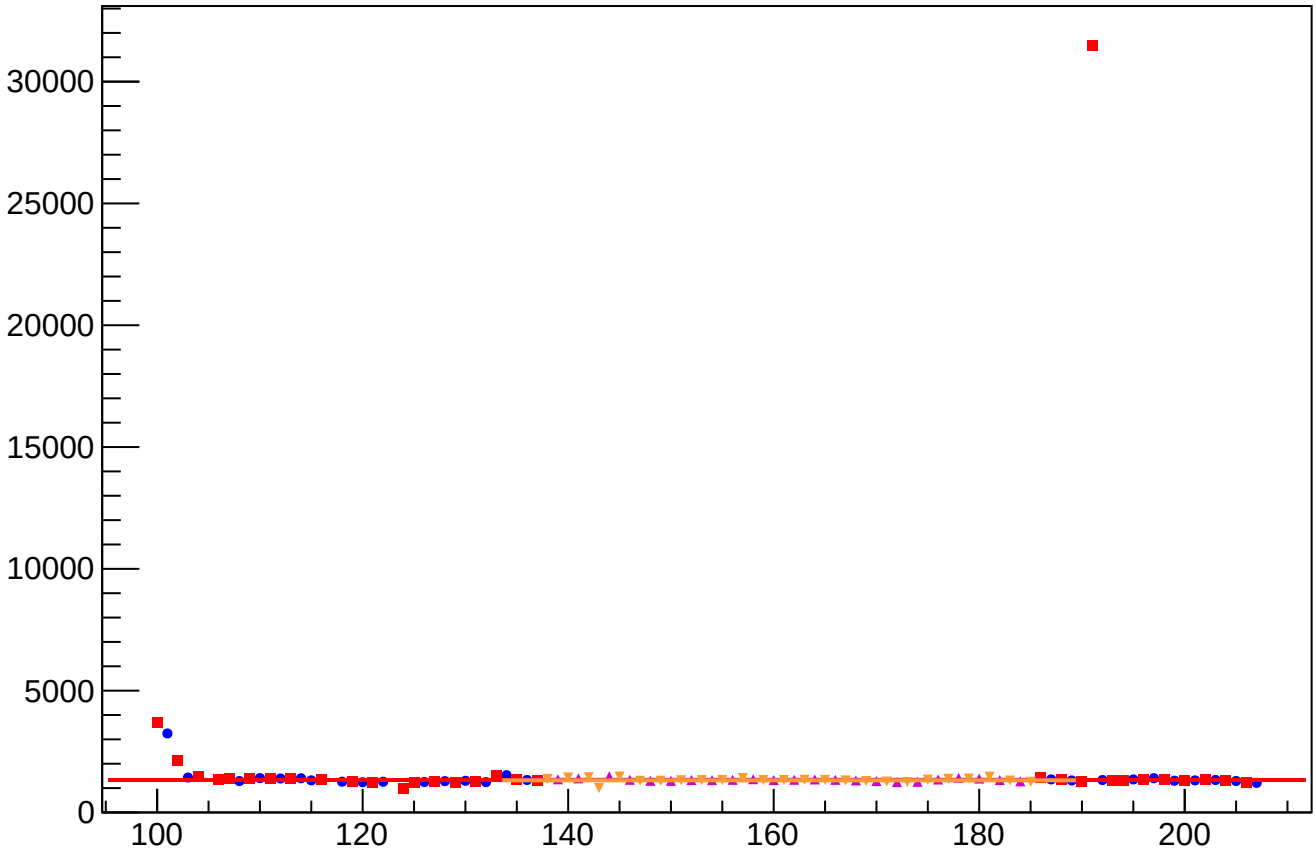
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2314.475+/-241.531 χ^2/NDF: 45.9/56

In: 2532.604+/-232.488 χ^2/NDF:40.3/48

Out: 1651.032+/-224.015 χ^2/NDF:66.5/55

All: 2075.461+/-161.315 χ^2/NDF: 114.3/104



Right In: 1331.503+/-0.246 χ^2/NDF: 521231.3/25

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

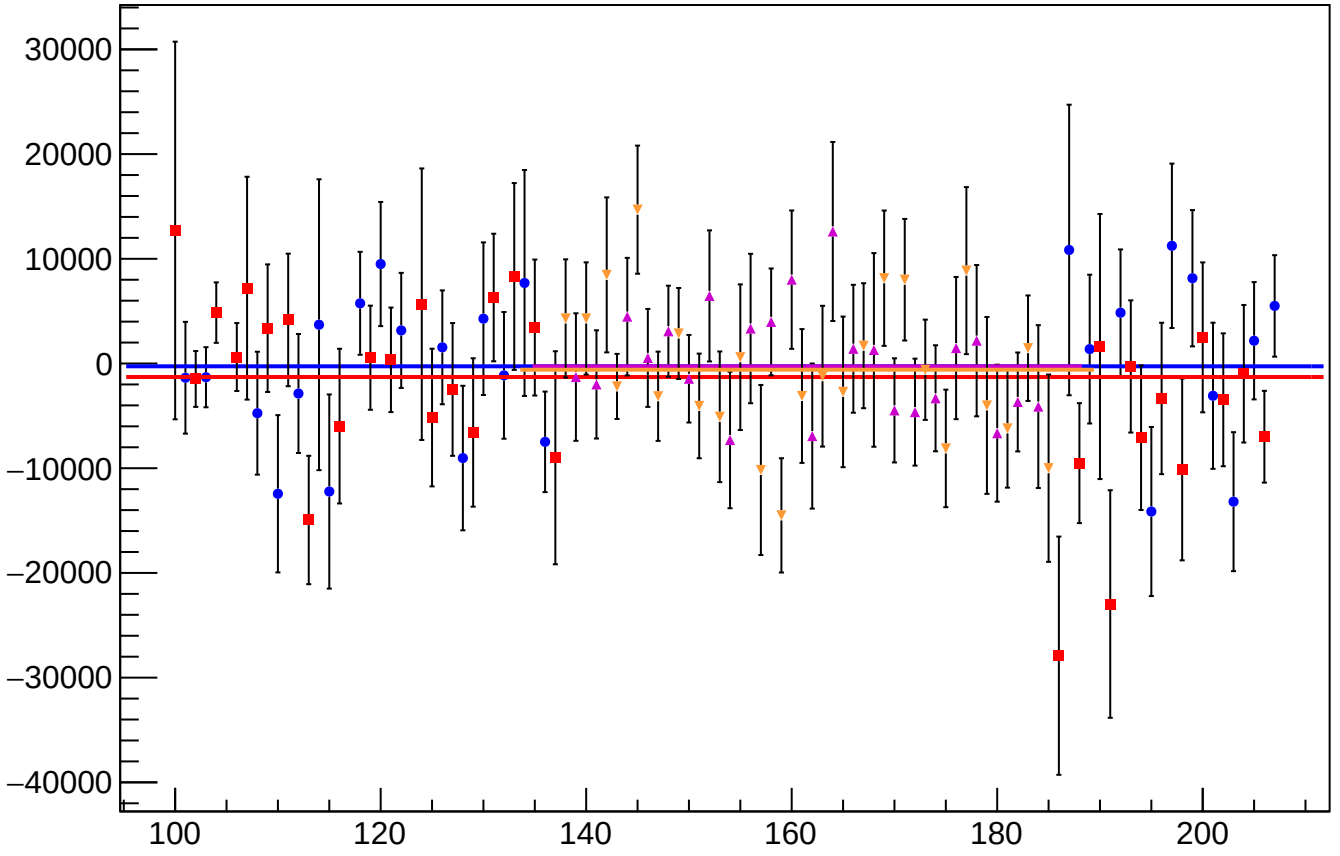
Right: 1332.550+/-0.171 χ^2/NDF: 968889.5/56

In: 1335.423+/-0.164 χ^2/NDF:575940.9/48

Out: 1324.999+/-0.158 χ^2/NDF:698491.3/55

All: 1330.017+/-0.114 χ^2/NDF: 1276517.1/10

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.187+/-1168.652 χ^2/NDF: 28.6/25

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

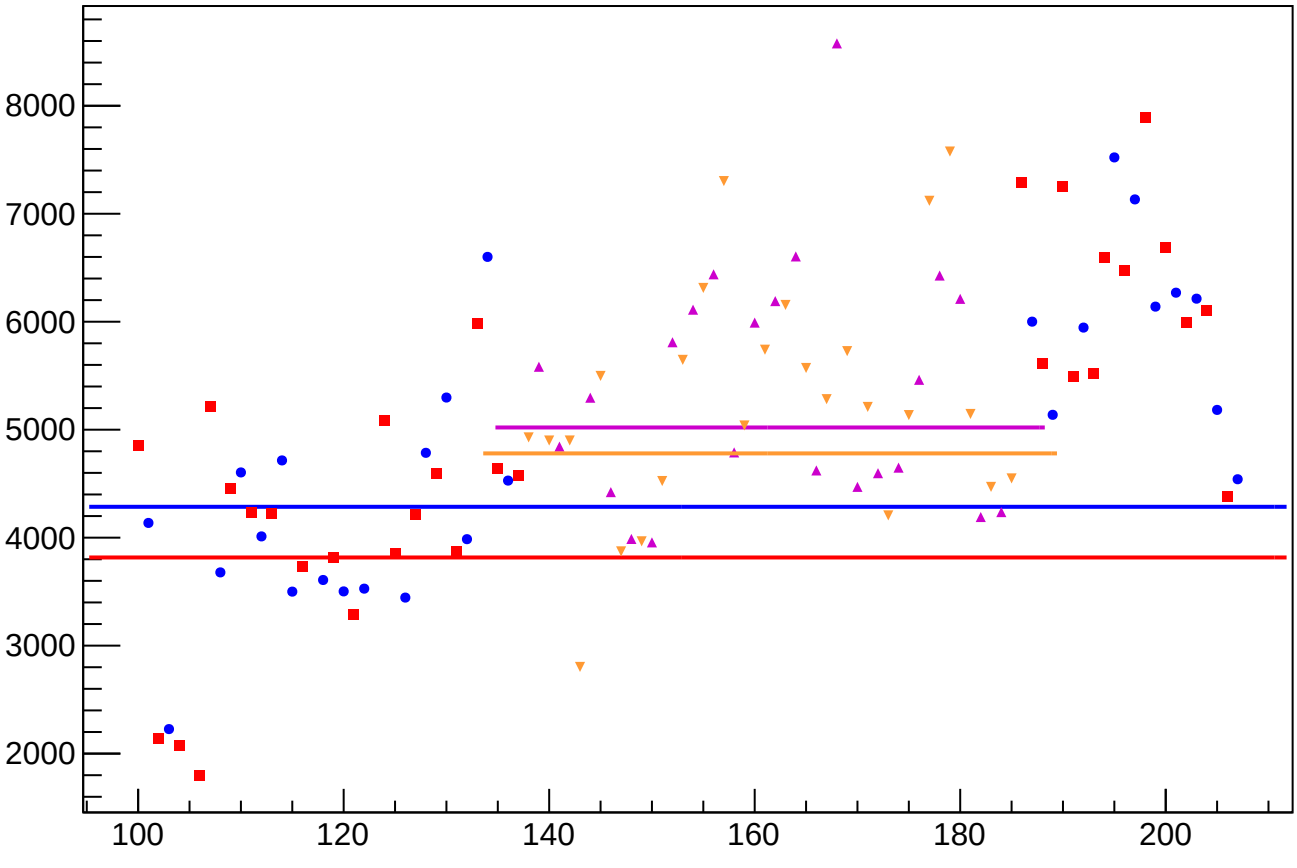
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -842.717+/-772.726 χ^2/NDF: 62.7/56

In: -269.983+/-836.137 χ^2/NDF:42.0/48

Out: -972.093+/-758.863 χ^2/NDF:63.4/55

All: -654.974+/-561.935 χ^2/NDF: 105.8/104



Right In: 4285.849+/-0.826 χ^2/NDF: 2730825.7/25

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

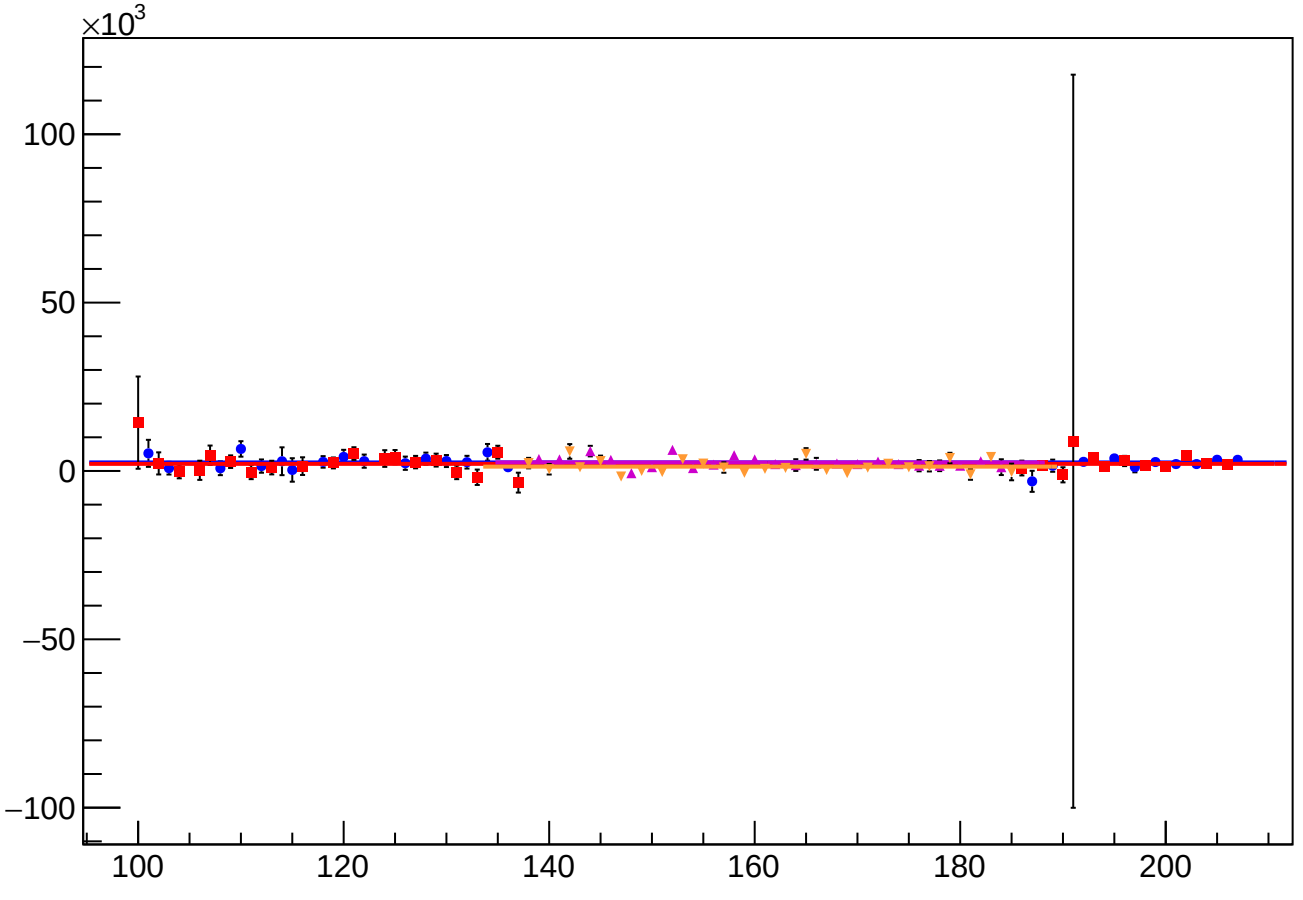
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 4021.709+/-0.546 χ^2/NDF: 8114362.9/56

In: 4644.461+/-0.591 χ^2/NDF:4341752.5/48

Out: 4257.216+/-0.537 χ^2/NDF:8008990.7/55

All: 4432.121+/-0.397 χ^2/NDF: 12585973.8/



Right In: 2533.603+/-347.389 χ^2/NDF: 15.3/25

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

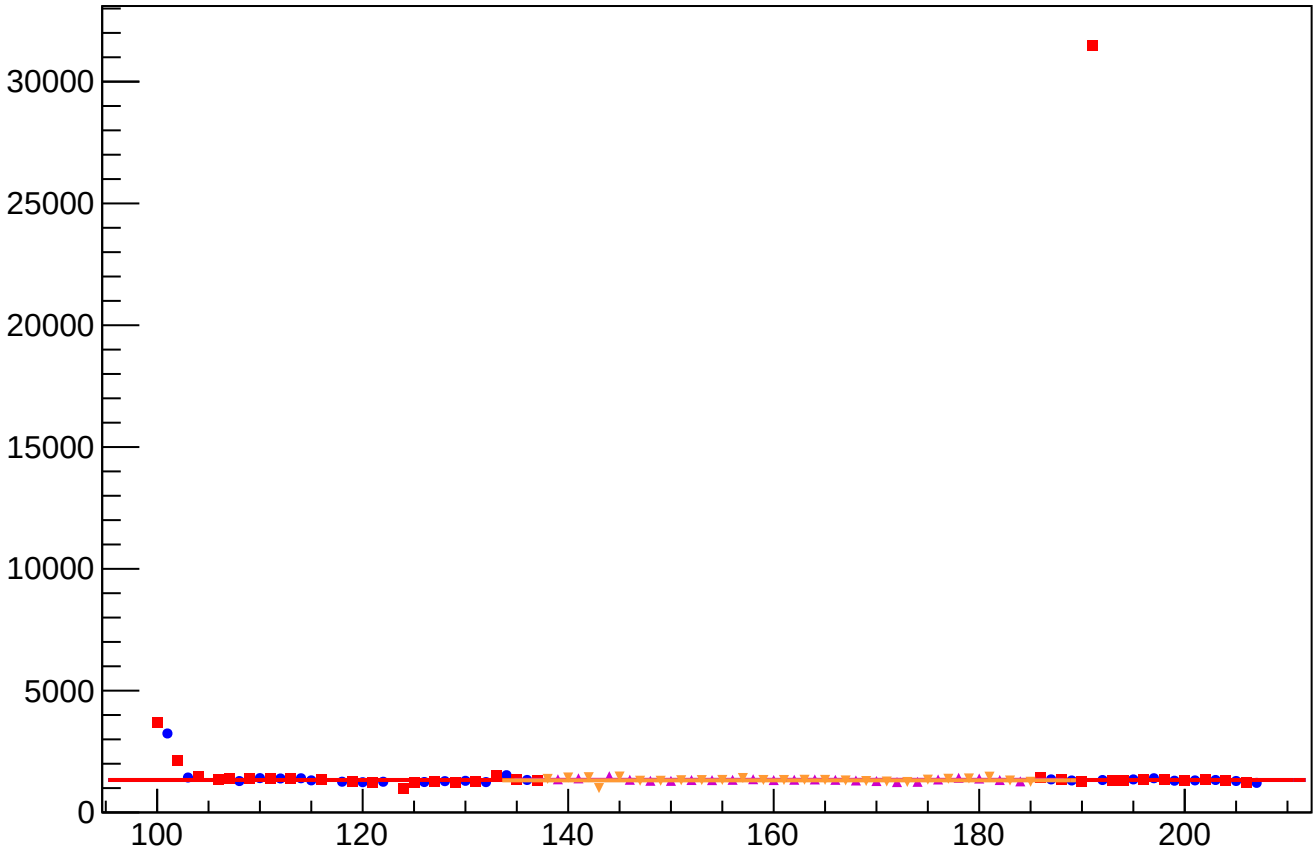
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2314.473+/-241.531 χ^2/NDF: 45.9/56

In: 2532.603+/-232.488 χ^2/NDF:40.3/48

Out: 1651.029+/-224.015 χ^2/NDF:66.5/55

All: 2075.459+/-161.315 χ^2/NDF: 114.3/104



Right In: 1331.503+/-0.246 χ^2/NDF: 521231.4/25

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

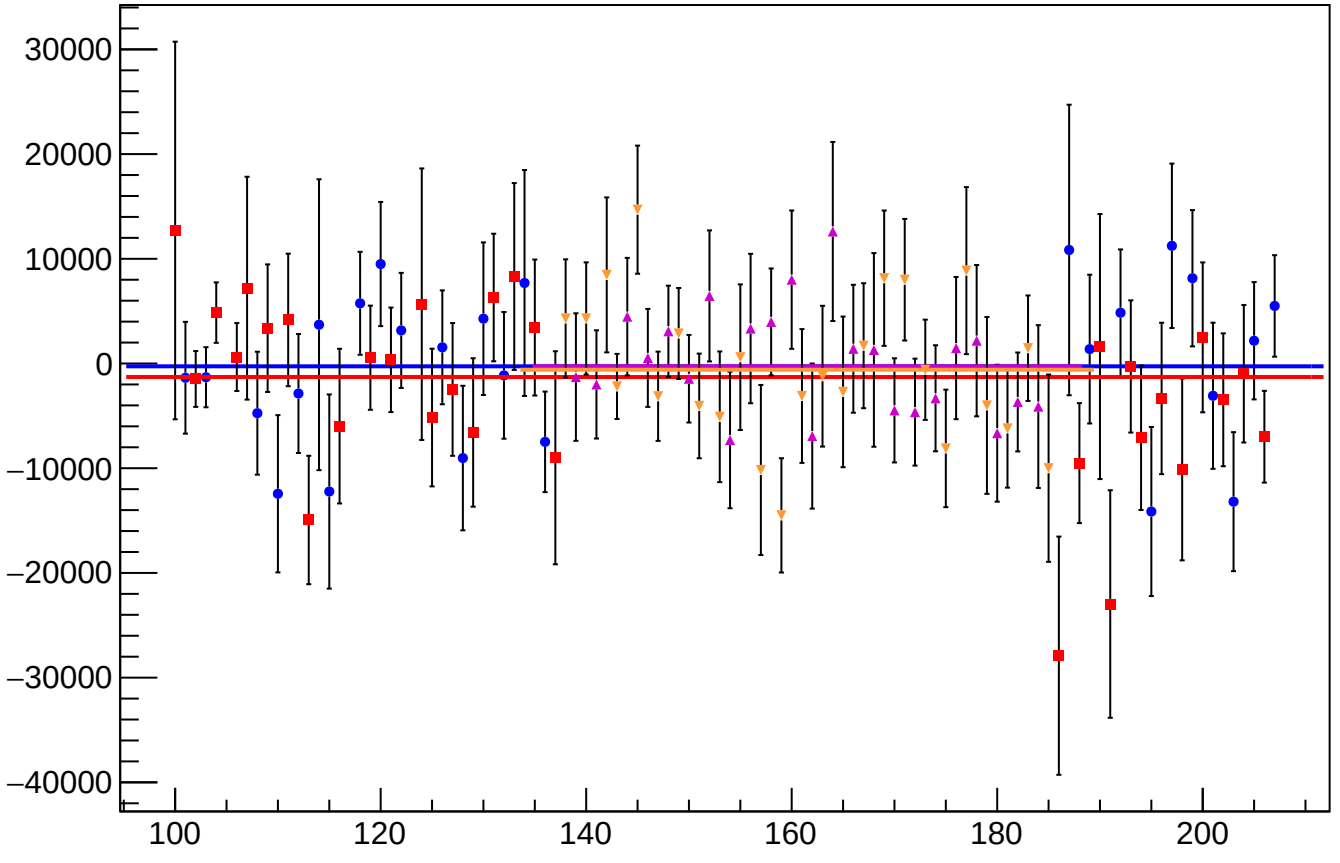
Right: 1332.549+/-0.171 χ^2/NDF: 968888.6/56

In: 1335.423+/-0.164 χ^2/NDF:575943.8/48

Out: 1325.000+/-0.158 χ^2/NDF:698492.4/55

All: 1330.018+/-0.114 χ^2/NDF: 1276521.1/10

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -267.184+/-1168.651 χ^2/NDF: 28.6/25

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -1289.799+/-1030.026 χ^2/NDF: 33.6/30

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

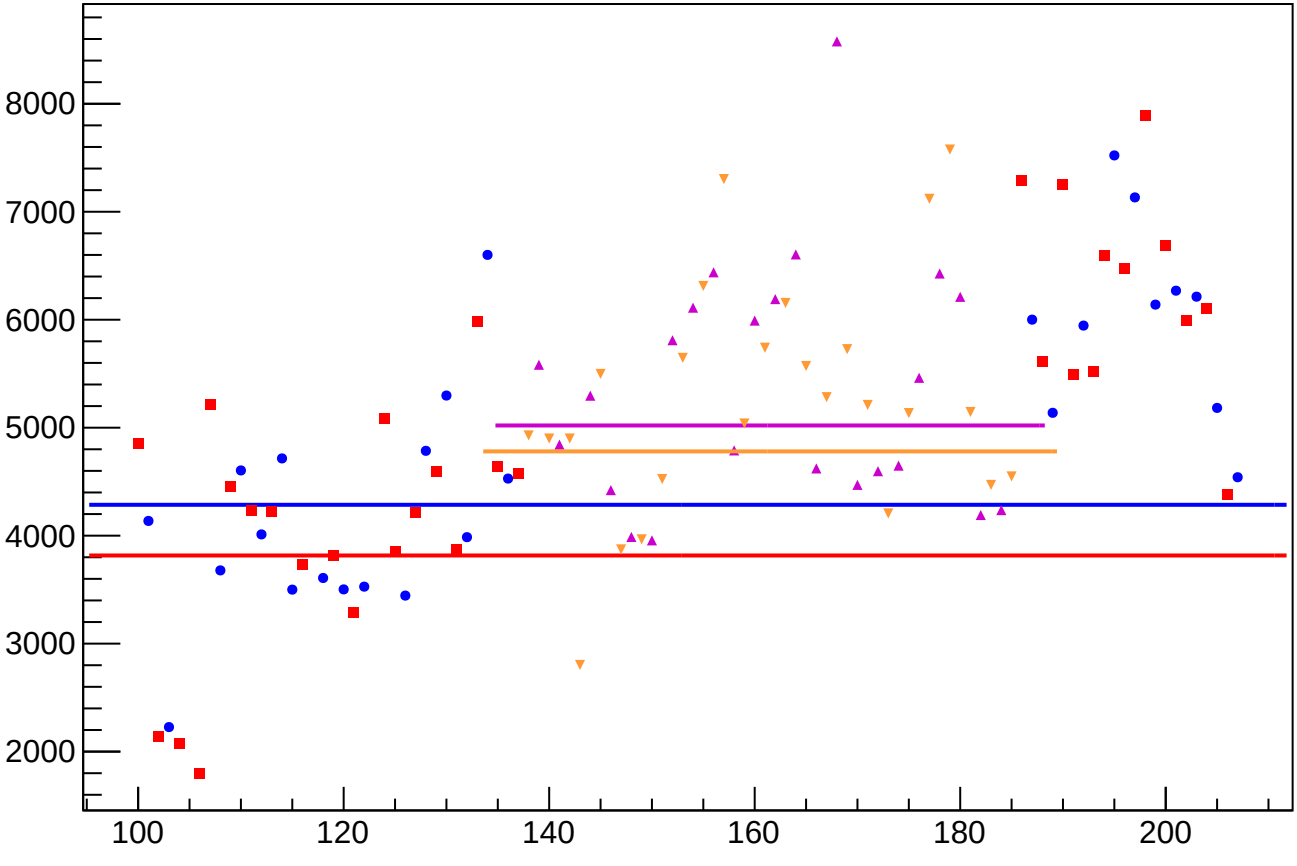
Right: -842.711+/-772.725 χ^2/NDF: 62.7/56

In: -269.982+/-836.138 χ^2/NDF:42.0/48

Out: -972.092+/-758.863 χ^2/NDF:63.4/55

All: -654.973+/-561.935 χ^2/NDF: 105.8/104

asym_atl_avg_atr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4285.842+/-0.826 χ^2/NDF: 2730852.3/25

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

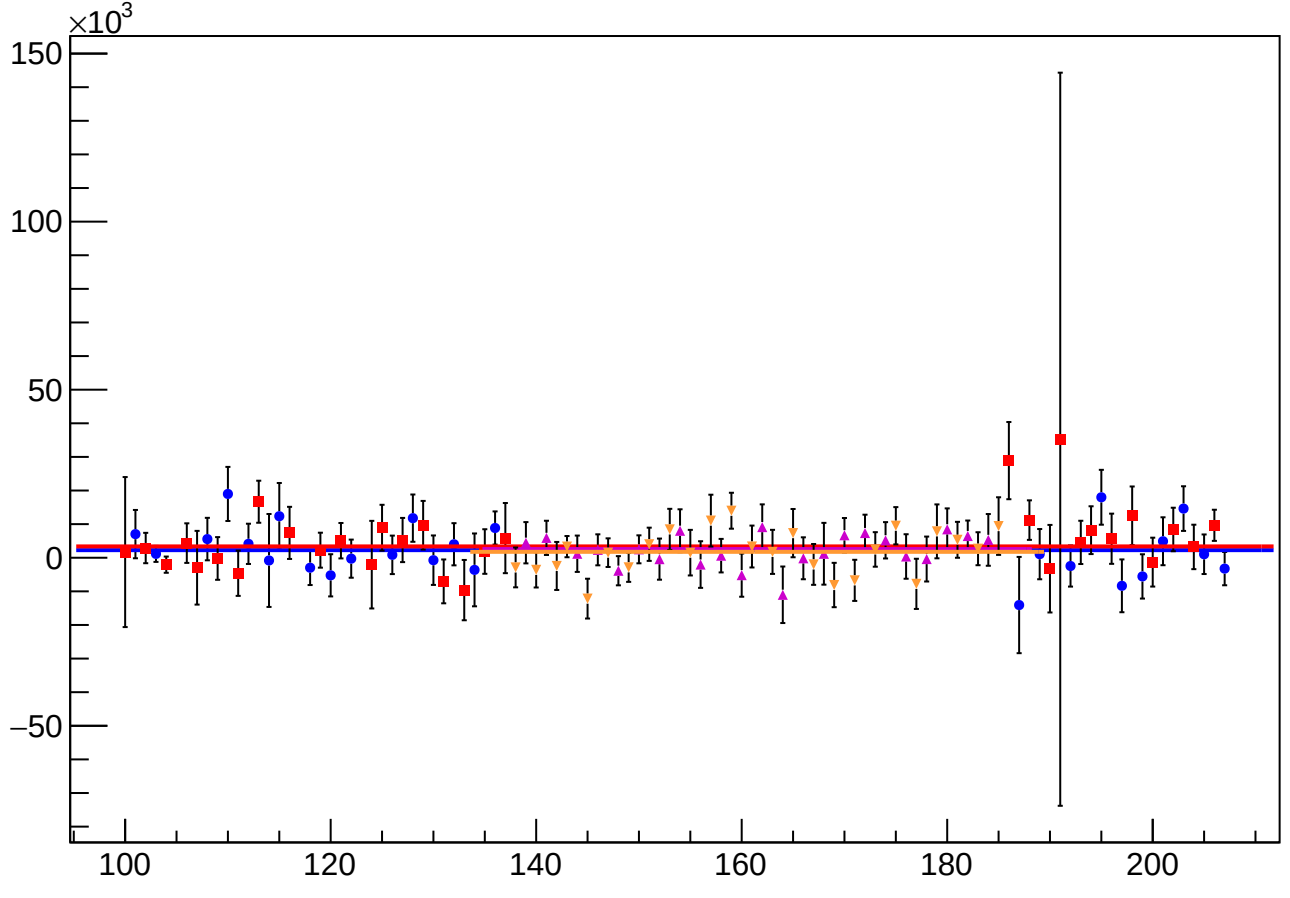
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 4021.702+/-0.546 χ^2/NDF: 8114425.7/56

In: 4644.461+/-0.591 χ^2/NDF:4341797.4/48

Out: 4257.213+/-0.537 χ^2/NDF:8009053.1/55

All: 4432.119+/-0.397 χ^2/NDF: 12586083.4/



Right In: 2259.875+/-1167.473 χ^2/NDF: 27.1/25

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

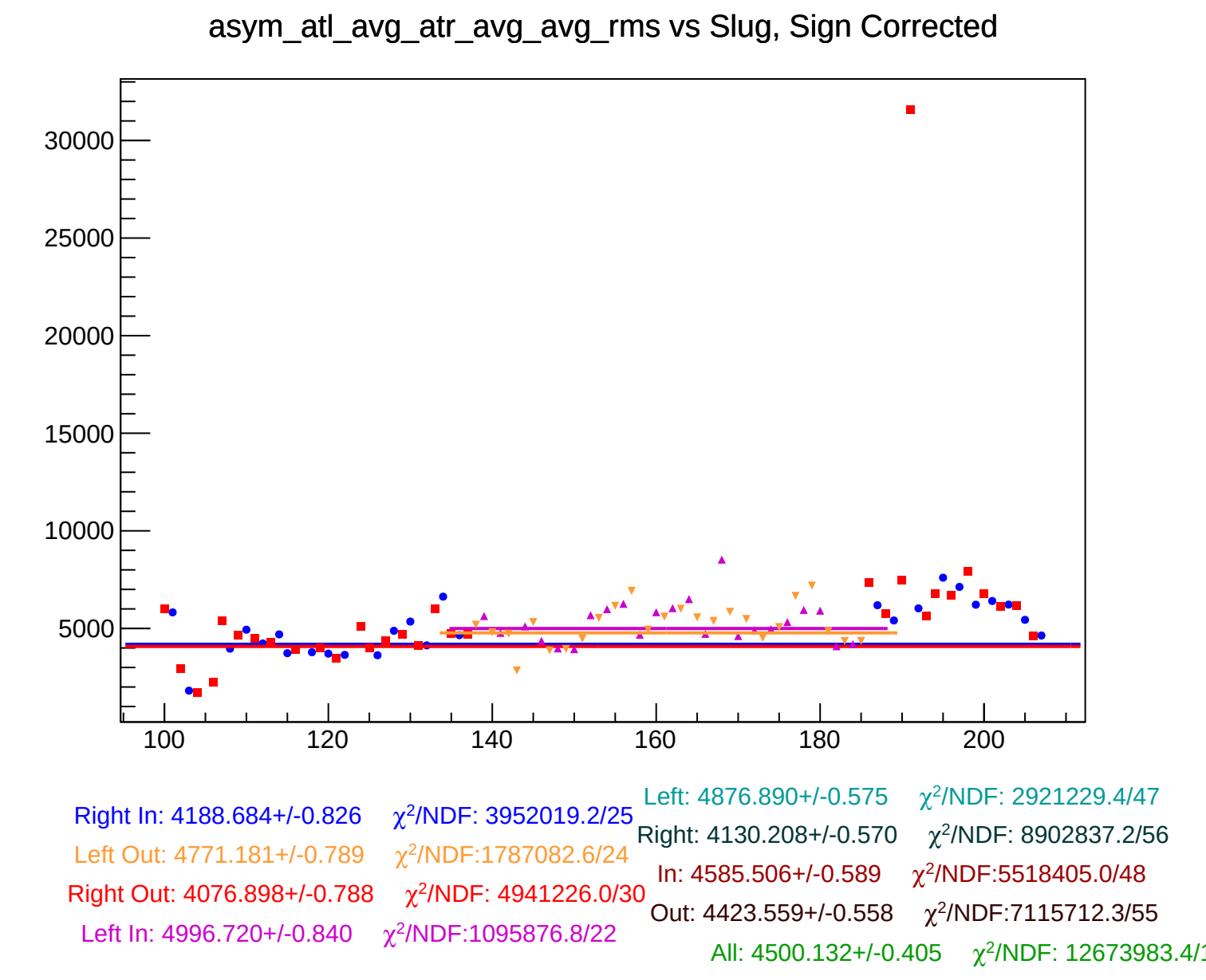
Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

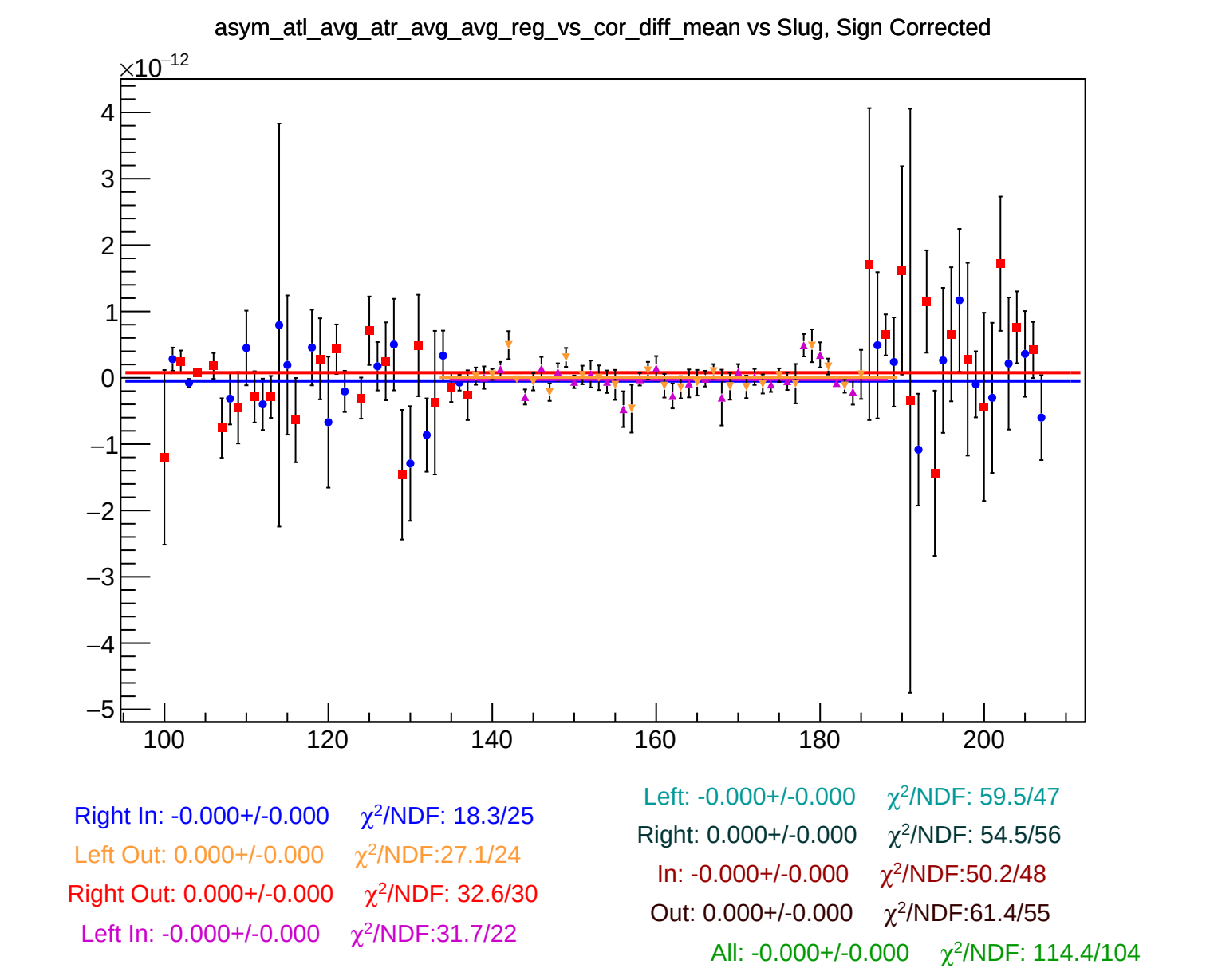
Right: 2836.075+/-810.340 χ^2/NDF: 57.7/56

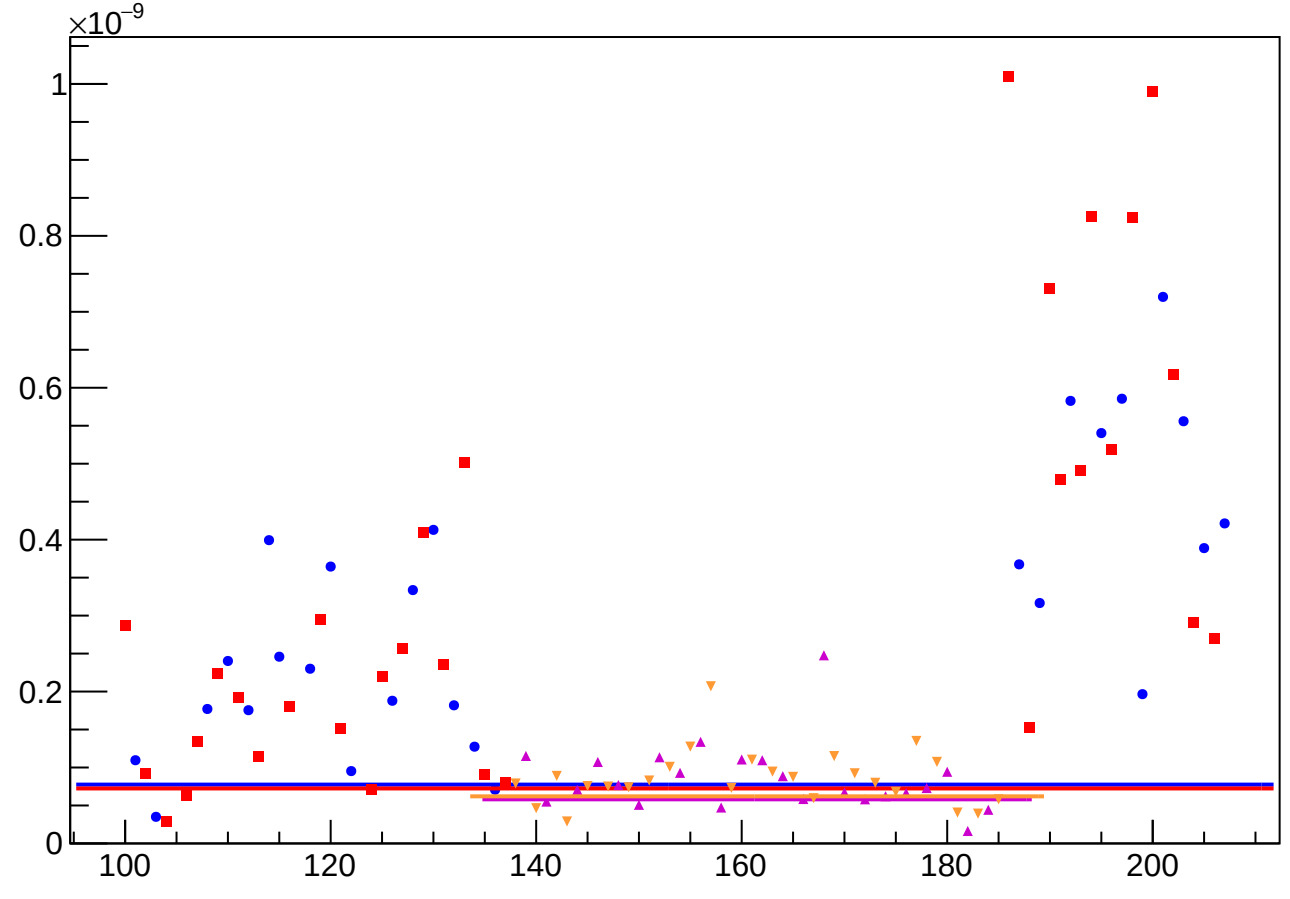
In: 2417.068+/-832.845 χ^2/NDF:40.4/48

Out: 2559.942+/-792.607 χ^2/NDF:58.8/55

All: 2492.040+/-574.156 χ^2/NDF: 99.2/104


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: 4188.684+/-0.826 χ²/NDF: 3952019.2/25
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: 4130.208+/-0.570 χ²/NDF: 8902837.2/56
In: 4585.506+/-0.589 χ²/NDF:5518405.0/48
Out: 4423.559+/-0.558 χ²/NDF:7115712.3/55
All: 4500.132+/-0.405 χ²/NDF: 12673983.4/


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: 18.3/25
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: 54.5/56
In: -0.000+/-0.000 χ²/NDF:50.2/48
Out: 0.000+/-0.000 χ²/NDF:61.4/55
All: -0.000+/-0.000 χ²/NDF: 114.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 6901719.0/25

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

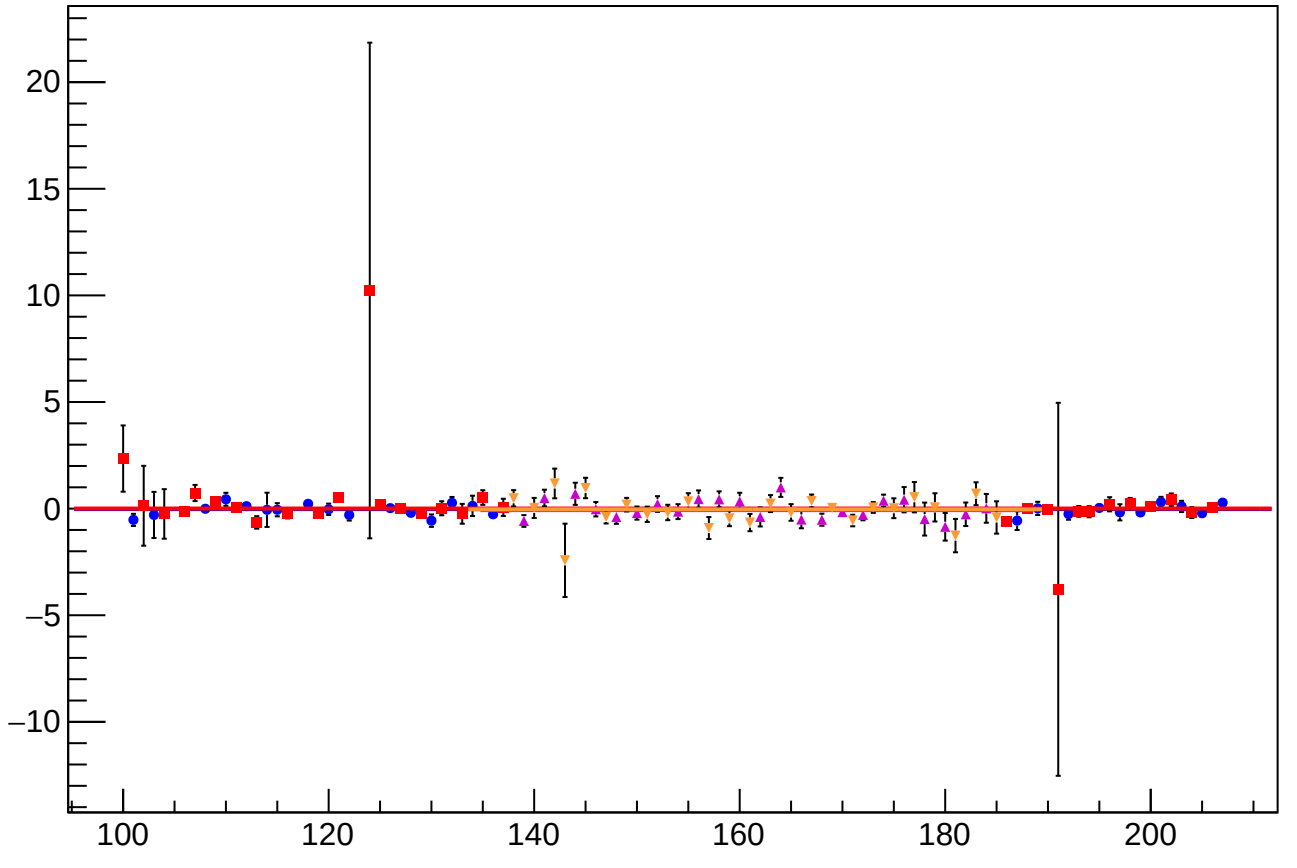
Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

Right: 0.000+/-0.000 χ^2/NDF: 15188392.4/56

In: 0.000+/-0.000 χ^2/NDF:10122624.1/48

Out: 0.000+/-0.000 χ^2/NDF:10795172.5/55

All: 0.000+/-0.000 χ^2/NDF: 20924652.7/104



Right In: -0.021+/-0.049 χ^2/NDF: 25.7/25

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

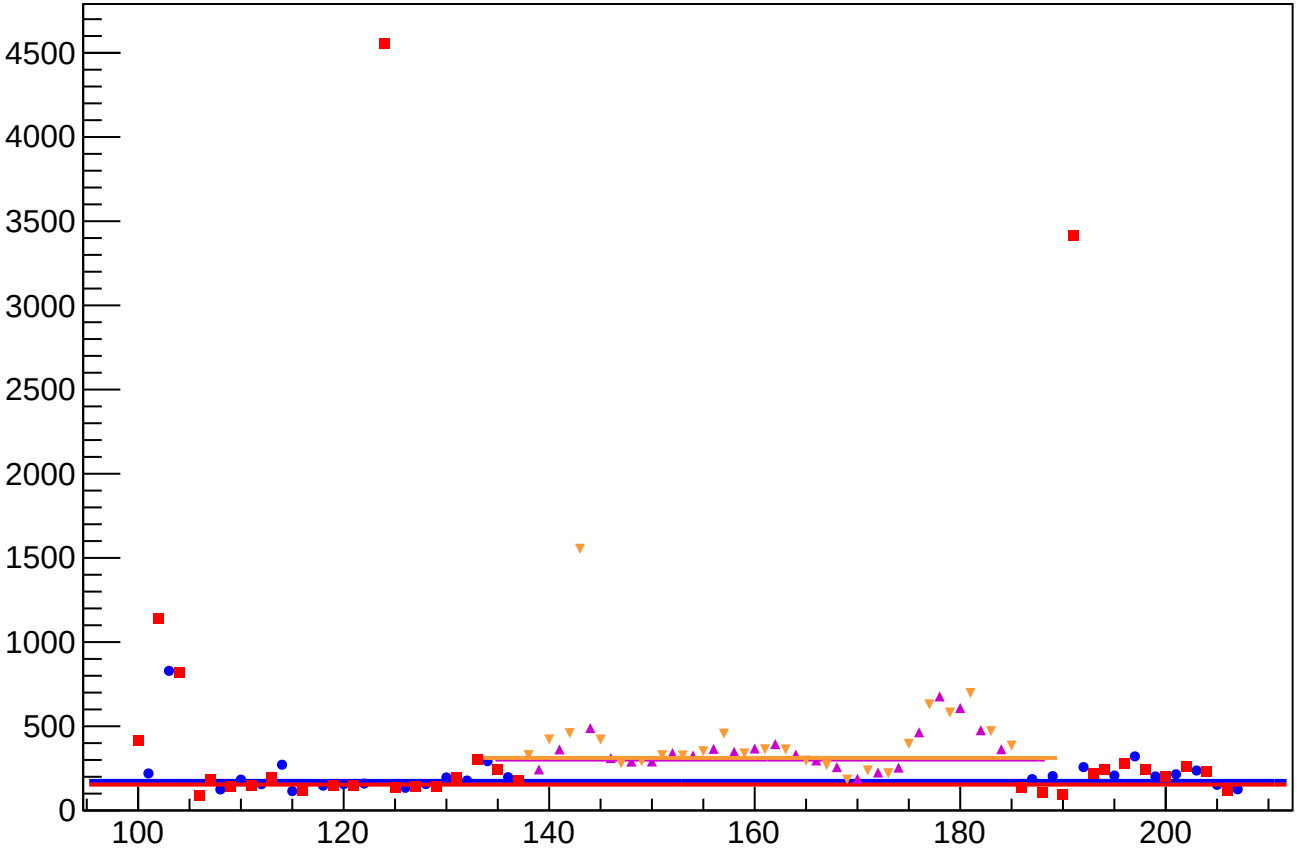
Right: -0.006+/-0.033 χ^2/NDF: 65.8/56

In: -0.035+/-0.041 χ^2/NDF:55.9/48

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.019+/-0.028 χ^2/NDF: 128.9/104

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.638+/-0.035 χ^2/NDF: 2325740.3/25

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

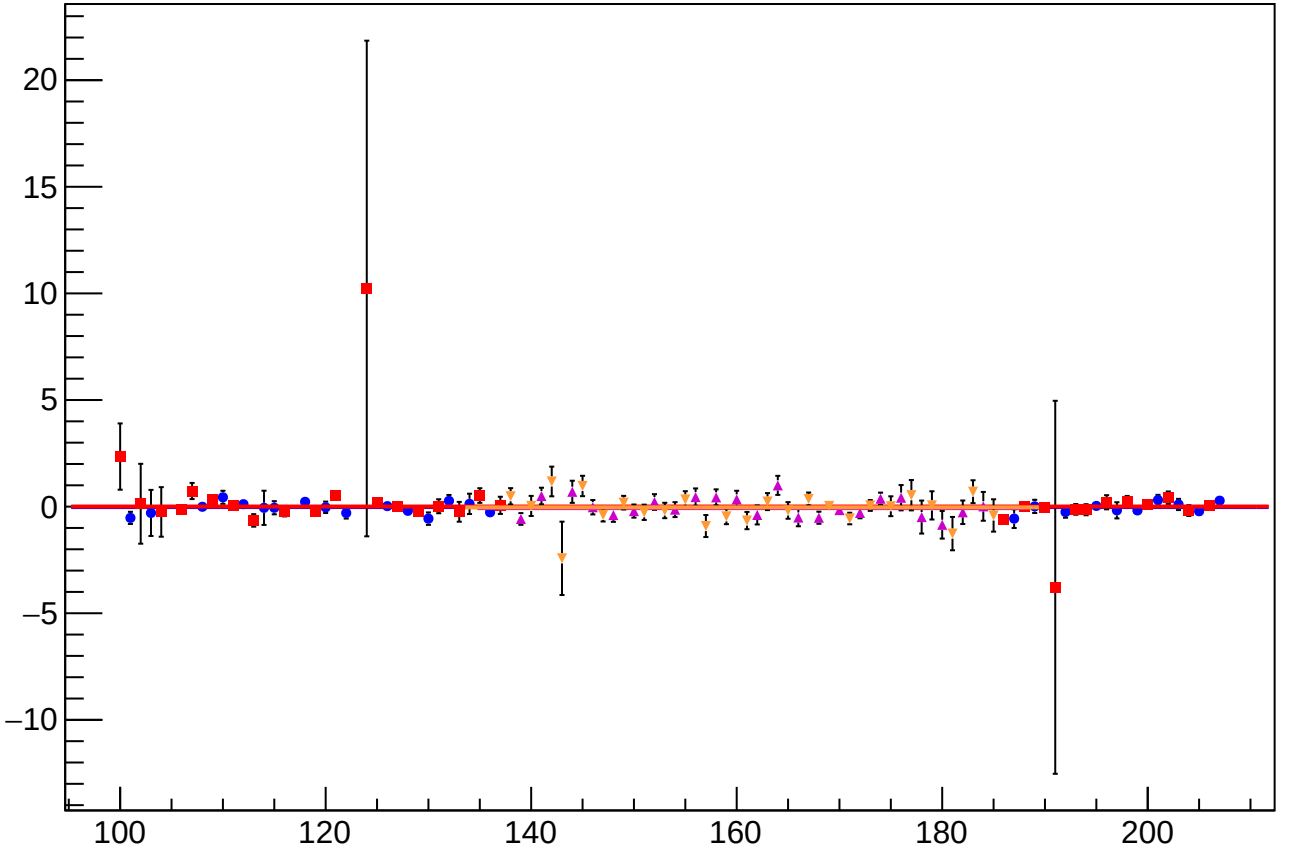
Right: 163.159+/-0.023 χ^2/NDF: 7322821.6/56

In: 213.950+/-0.029 χ^2/NDF:9130192.0/48

Out: 191.954+/-0.027 χ^2/NDF:15589865.6/55

All: 202.006+/-0.020 χ^2/NDF: 25029933.3/10

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.049 χ^2/NDF: 25.7/25

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

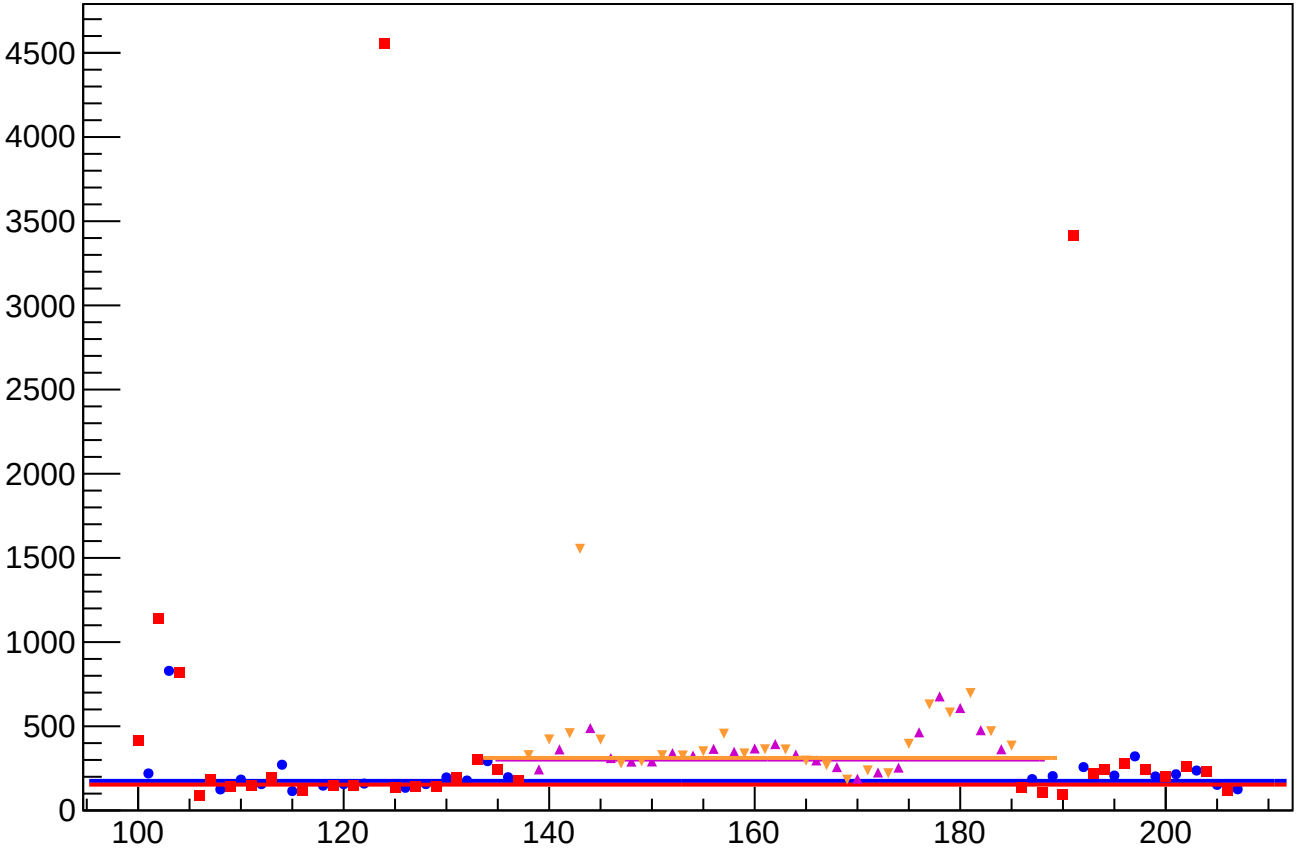
Right: -0.006+/-0.033 χ^2/NDF: 65.8/56

In: -0.035+/-0.041 χ^2/NDF:55.9/48

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.019+/-0.028 χ^2/NDF: 128.9/104

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.638+/-0.035 χ^2/NDF: 2325740.3/25

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

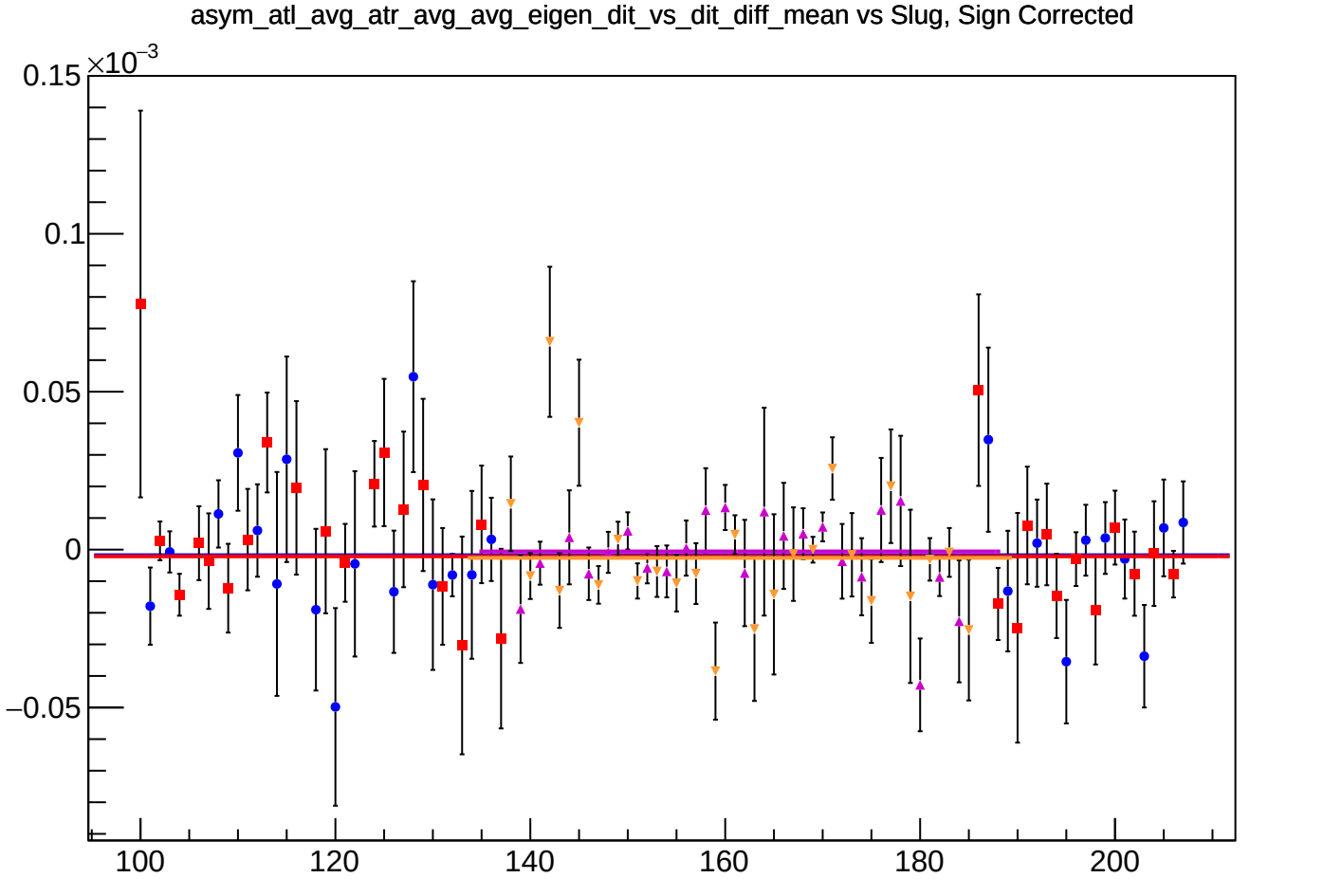
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 163.159+/-0.023 χ^2/NDF: 7322821.6/56

In: 213.950+/-0.029 χ^2/NDF:9130192.0/48

Out: 191.954+/-0.027 χ^2/NDF:15589865.6/55

All: 202.006+/-0.020 χ^2/NDF: 25029933.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/25

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/30

Left In: -0.000+/-0.000 χ^2/NDF:26.9/22

Left: -0.000+/-0.000 χ^2/NDF: 70.0/47

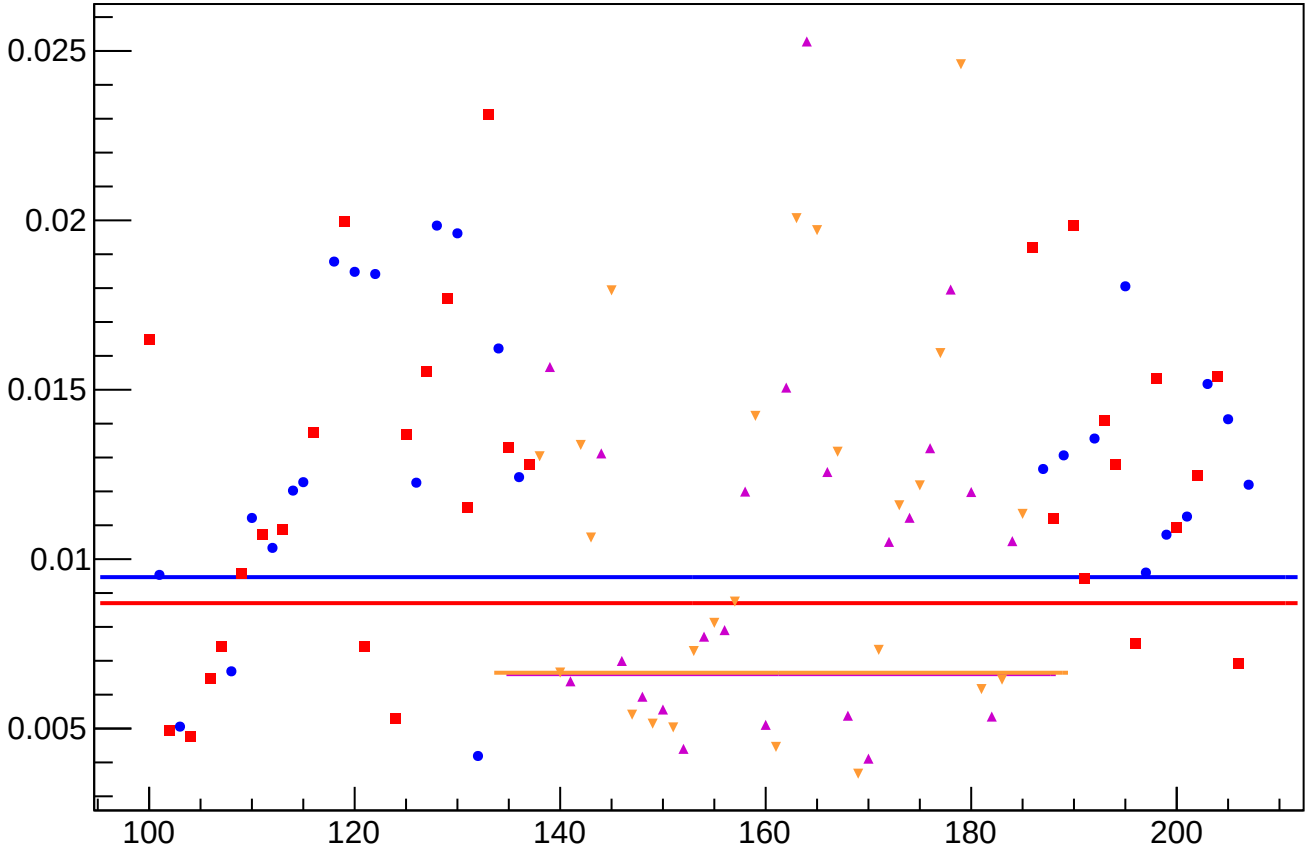
Right: -0.000+/-0.000 χ^2/NDF: 54.9/56

In: -0.000+/-0.000 χ^2/NDF:52.7/48

Out: -0.000+/-0.000 χ^2/NDF:71.7/55

All: -0.000+/-0.000 χ^2/NDF: 125.0/104

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: 4978908.0/25

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

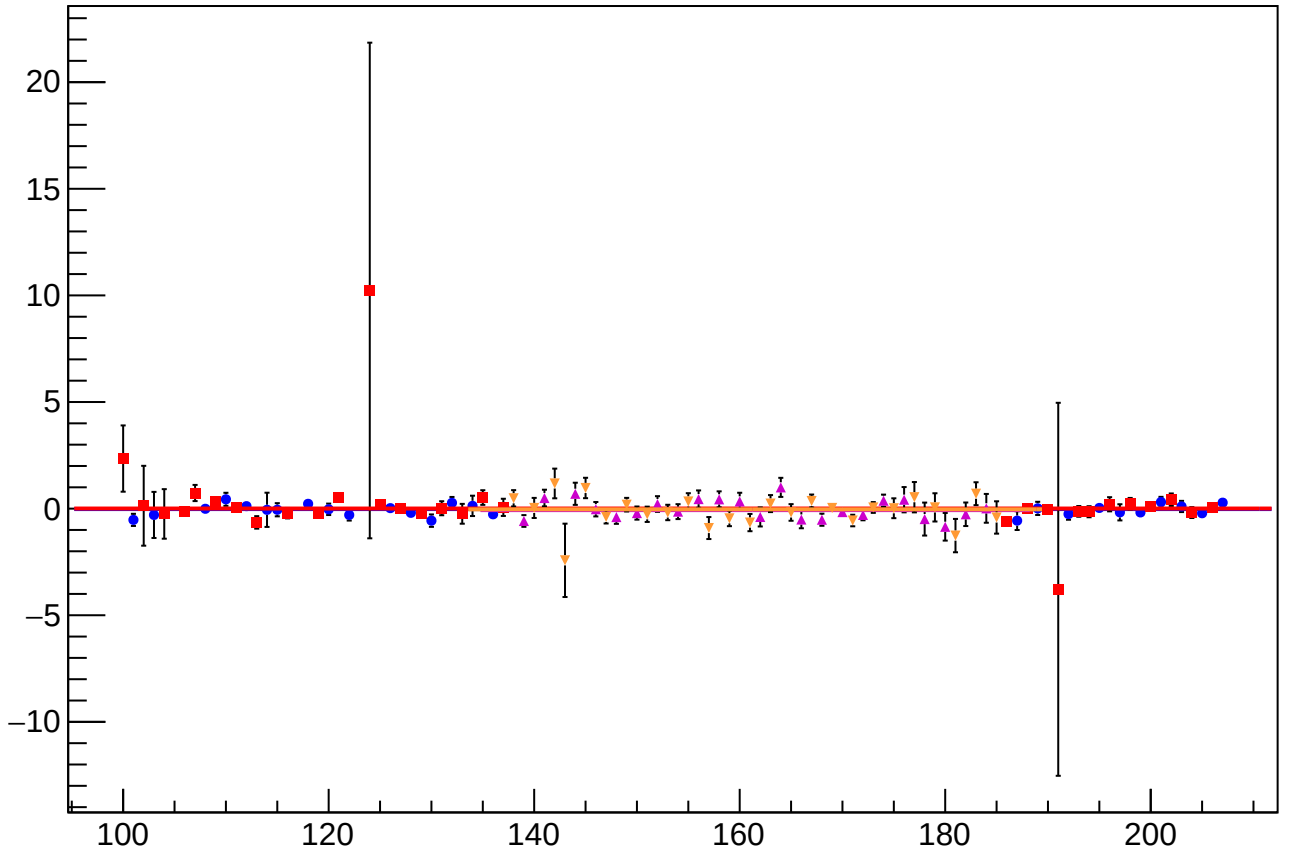
Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

Right: 0.009+/-0.000 χ^2/NDF: 10278368.8/56

In: 0.007+/-0.000 χ^2/NDF:12381664.0/48

Out: 0.007+/-0.000 χ^2/NDF:13692366.8/55

All: 0.007+/-0.000 χ^2/NDF: 26078675.2/104



Right In: -0.021+/-0.049 χ^2/NDF: 25.7/25

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

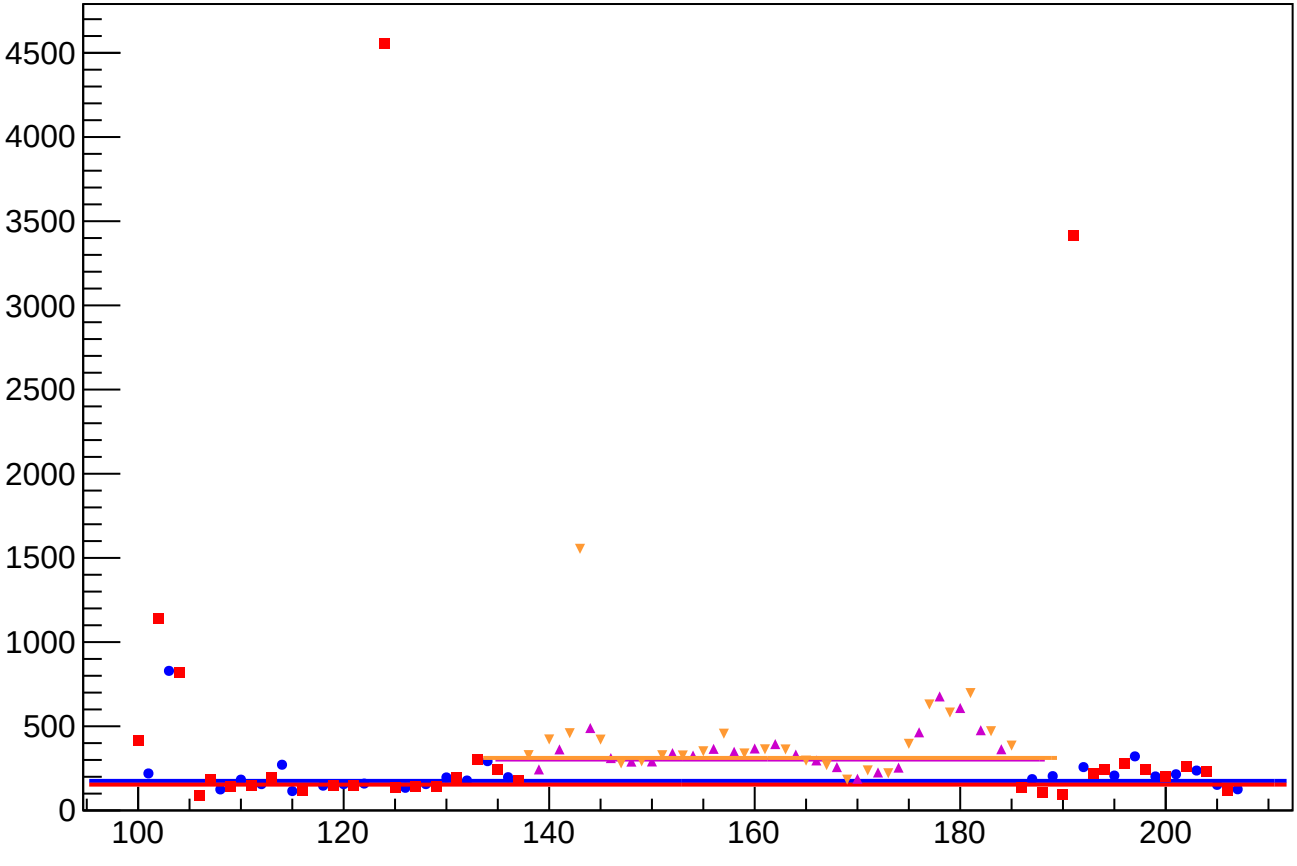
Right: -0.006+/-0.033 χ^2/NDF: 65.8/56

In: -0.035+/-0.041 χ^2/NDF:55.9/48

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.019+/-0.028 χ^2/NDF: 128.9/104

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.637+/-0.035 χ^2/NDF: 2325804.1/25

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

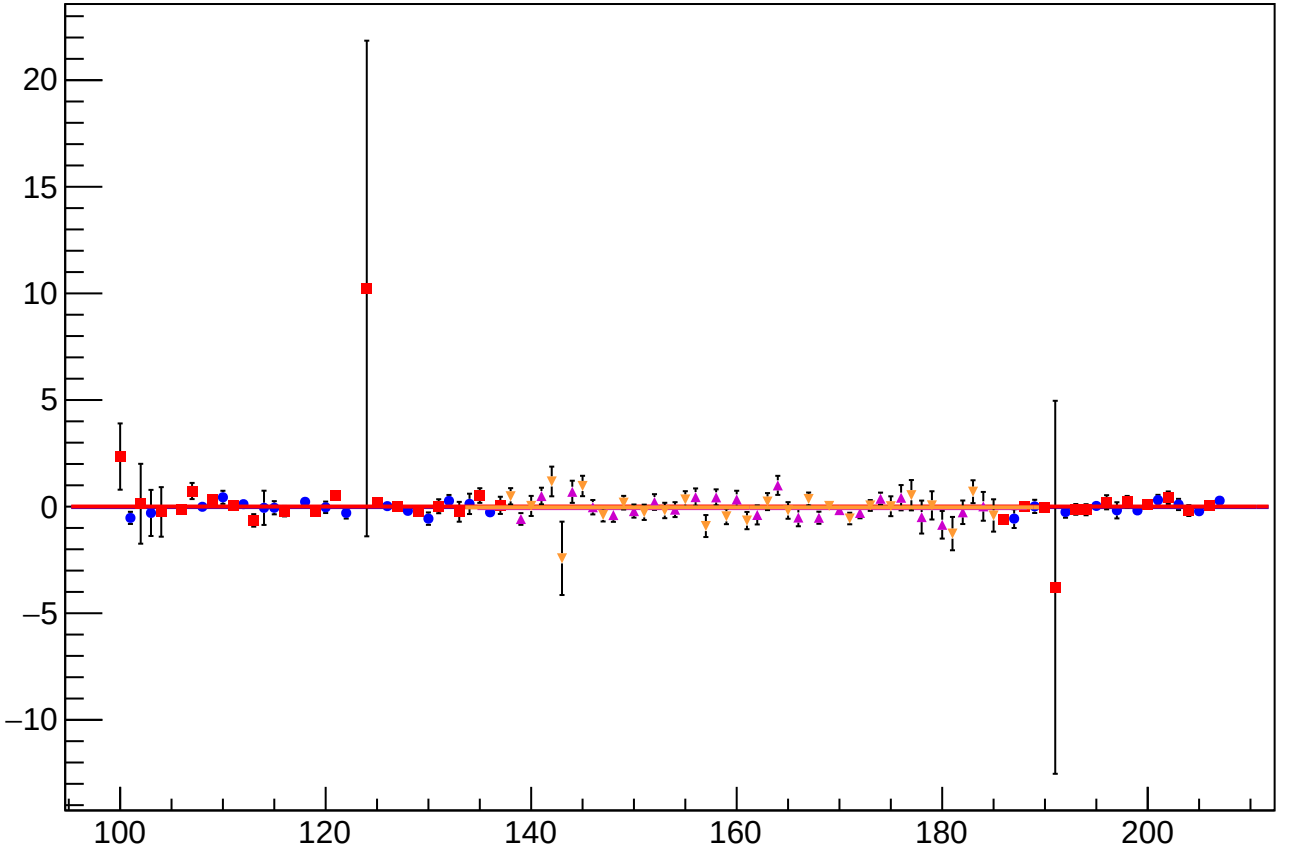
Right: 163.156+/-0.023 χ^2/NDF: 7323156.8/56

In: 213.949+/-0.029 χ^2/NDF:9130533.0/48

Out: 191.950+/-0.027 χ^2/NDF:15590585.8/55

All: 202.004+/-0.020 χ^2/NDF: 25031063.0/10

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.021+/-0.049 χ^2/NDF: 25.7/25

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

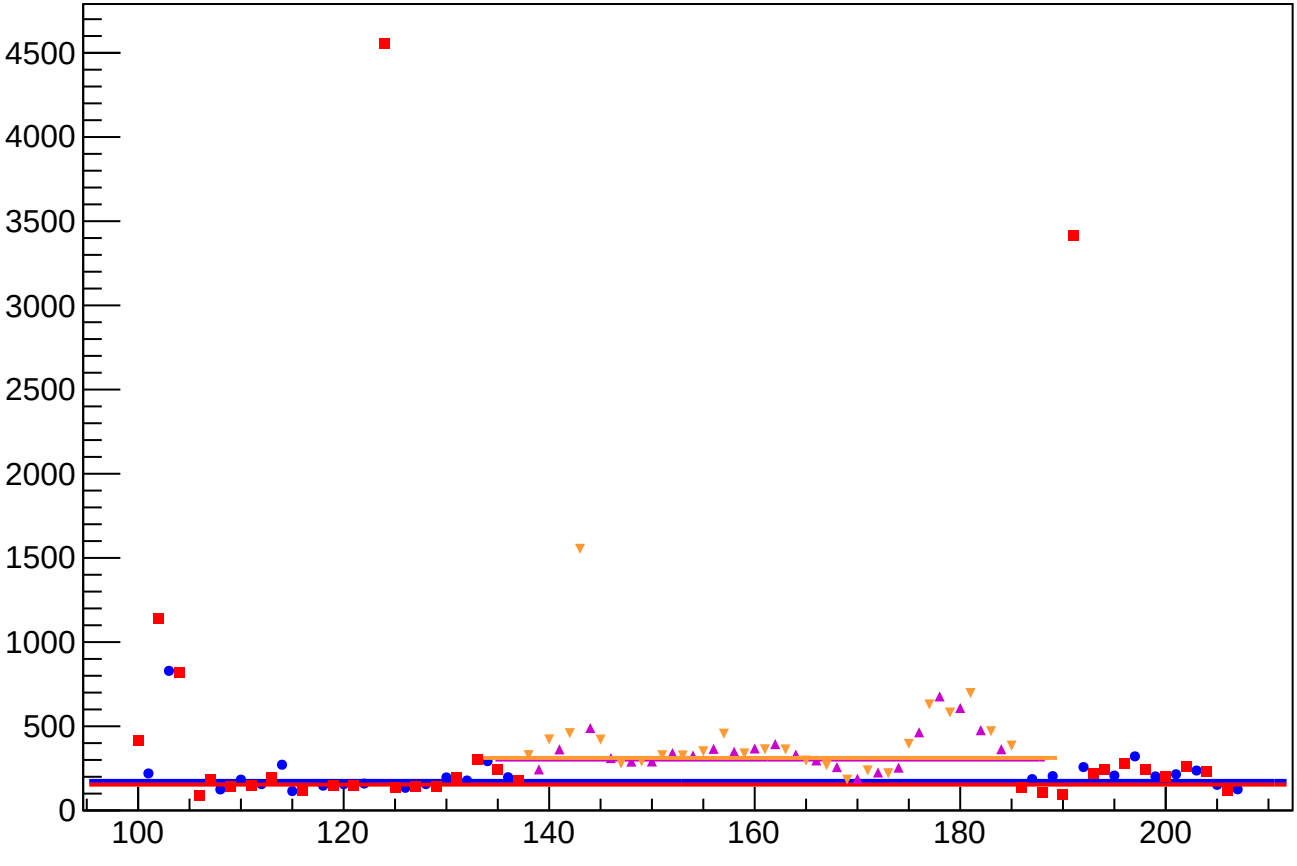
Right: -0.006+/-0.033 χ^2/NDF: 65.8/56

In: -0.035+/-0.041 χ^2/NDF:55.9/48

Out: -0.005+/-0.038 χ^2/NDF:72.7/55

All: -0.019+/-0.028 χ^2/NDF: 128.9/104

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 175.637+/-0.035 χ^2/NDF: 2325804.1/25

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

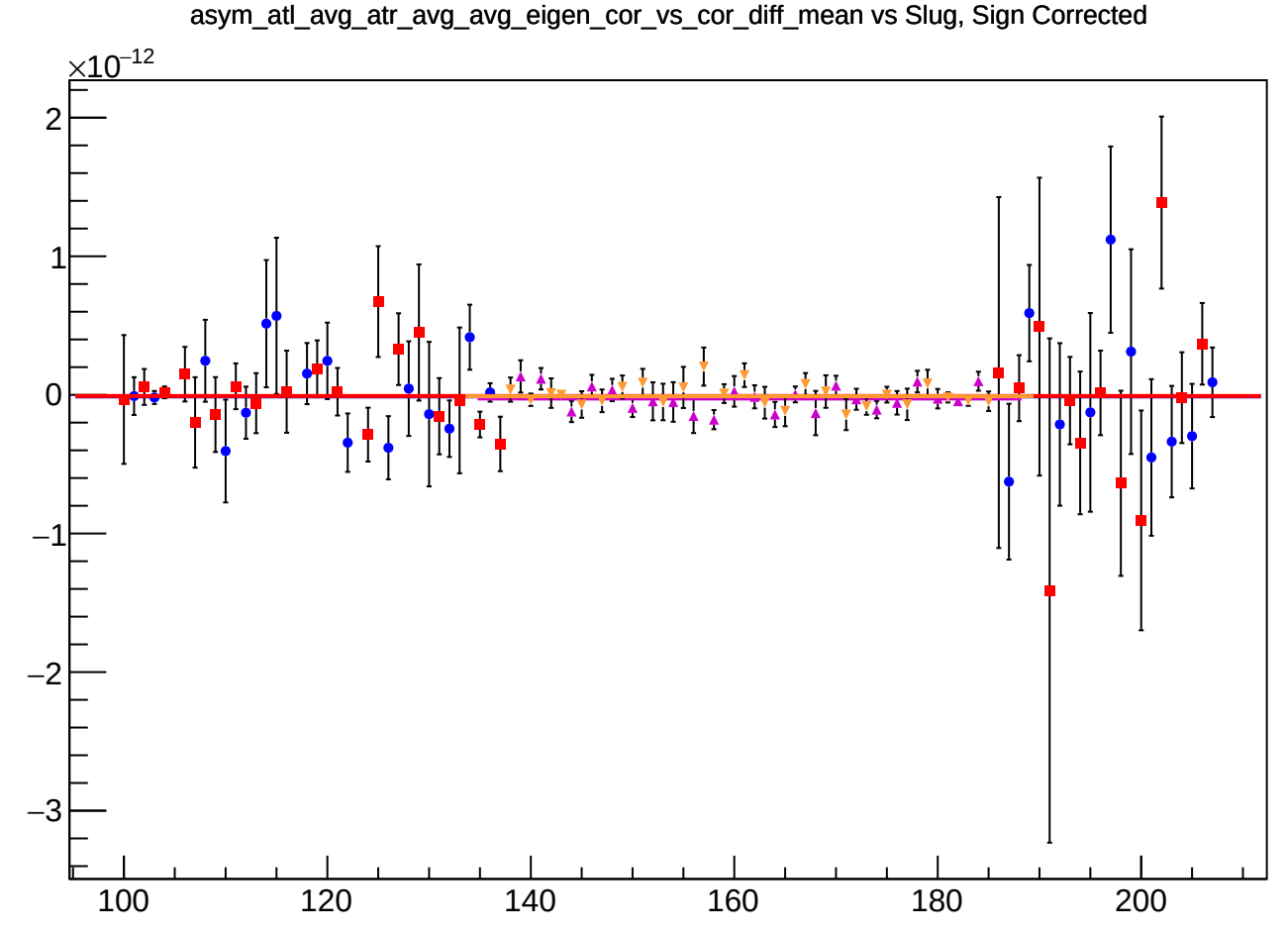
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 163.156+/-0.023 χ^2/NDF: 7323156.8/56

In: 213.949+/-0.029 χ^2/NDF:9130533.0/48

Out: 191.950+/-0.027 χ^2/NDF:15590585.8/55

All: 202.004+/-0.020 χ^2/NDF: 25031063.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/25

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

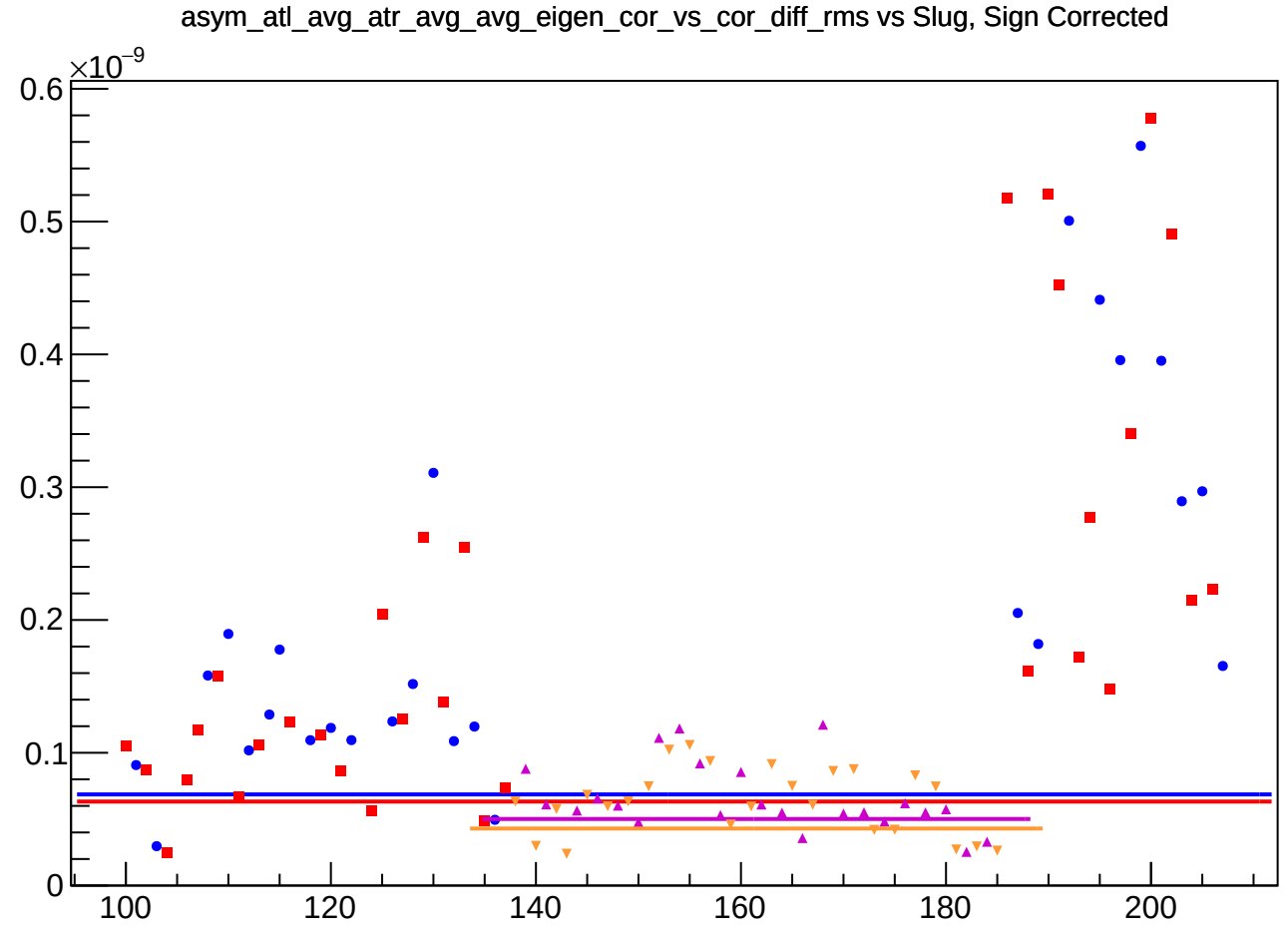
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 54.6/56

In: -0.000+/-0.000 χ^2/NDF:53.3/48

Out: -0.000+/-0.000 χ^2/NDF:45.3/55

All: -0.000+/-0.000 χ^2/NDF: 99.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 8827123.9/25

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

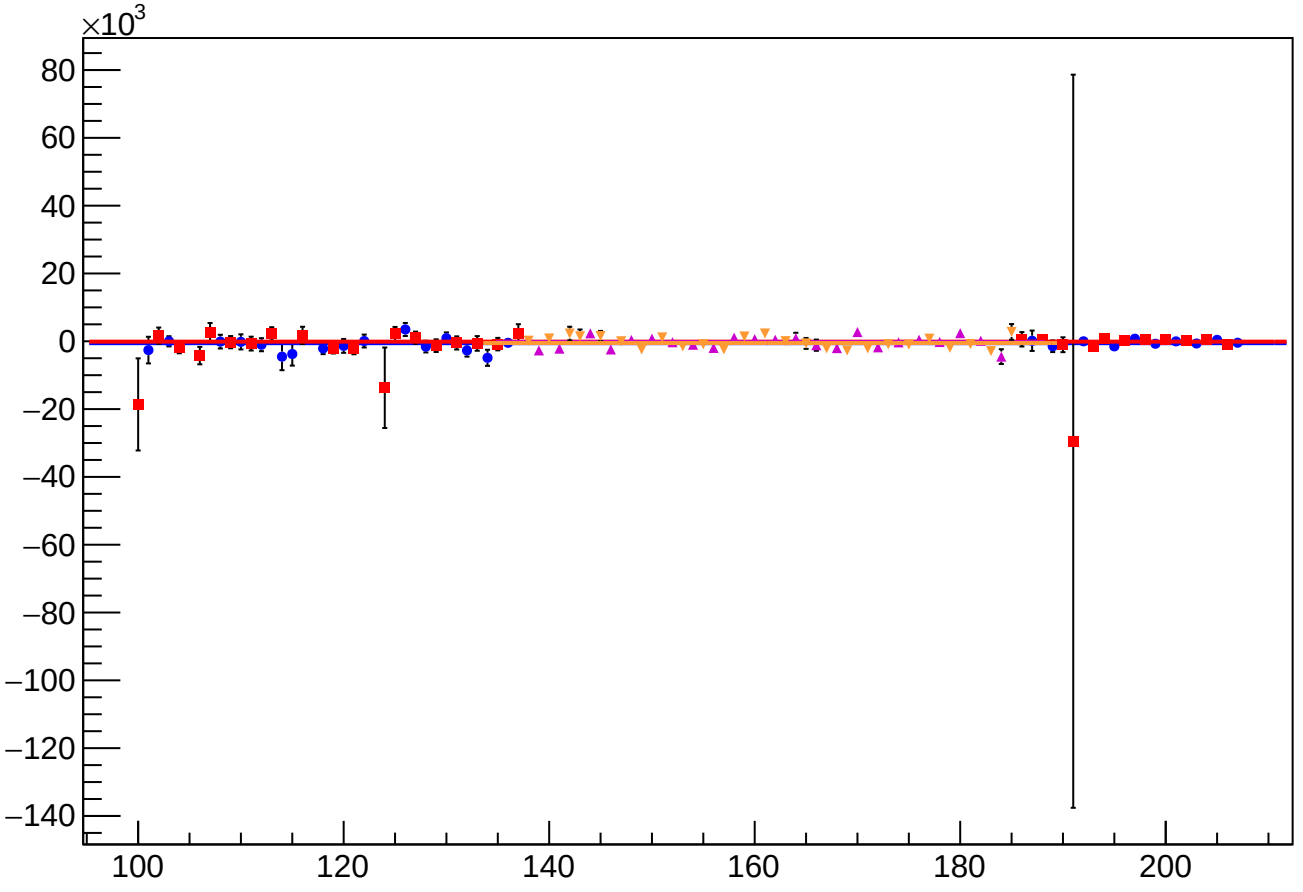
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 17336780.1/56

In: 0.000+/-0.000 χ^2/NDF:12983507.5/48

Out: 0.000+/-0.000 χ^2/NDF:14300767.8/55

All: 0.000+/-0.000 χ^2/NDF: 27595039.4/104



Right In: -557.922+/-331.748 χ^2/NDF: 16.2/25

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

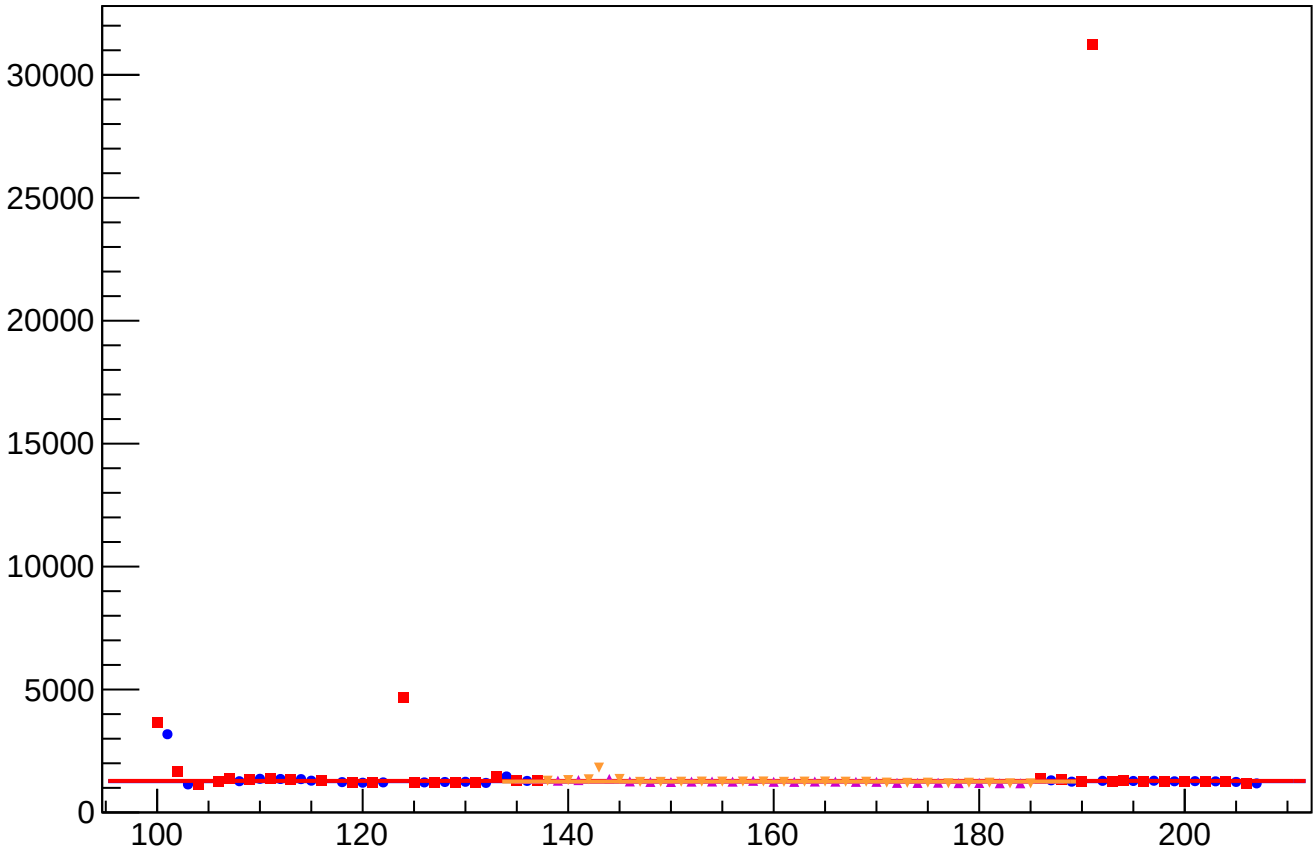
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -326.106+/-231.258 χ^2/NDF: 36.8/56

In: -379.854+/-218.835 χ^2/NDF:48.8/48

Out: -335.152+/-213.968 χ^2/NDF:51.4/55

All: -357.000+/-152.990 χ^2/NDF: 100.2/104



Right In: 1271.870+/-0.235 χ^2/NDF: 532252.5/25

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

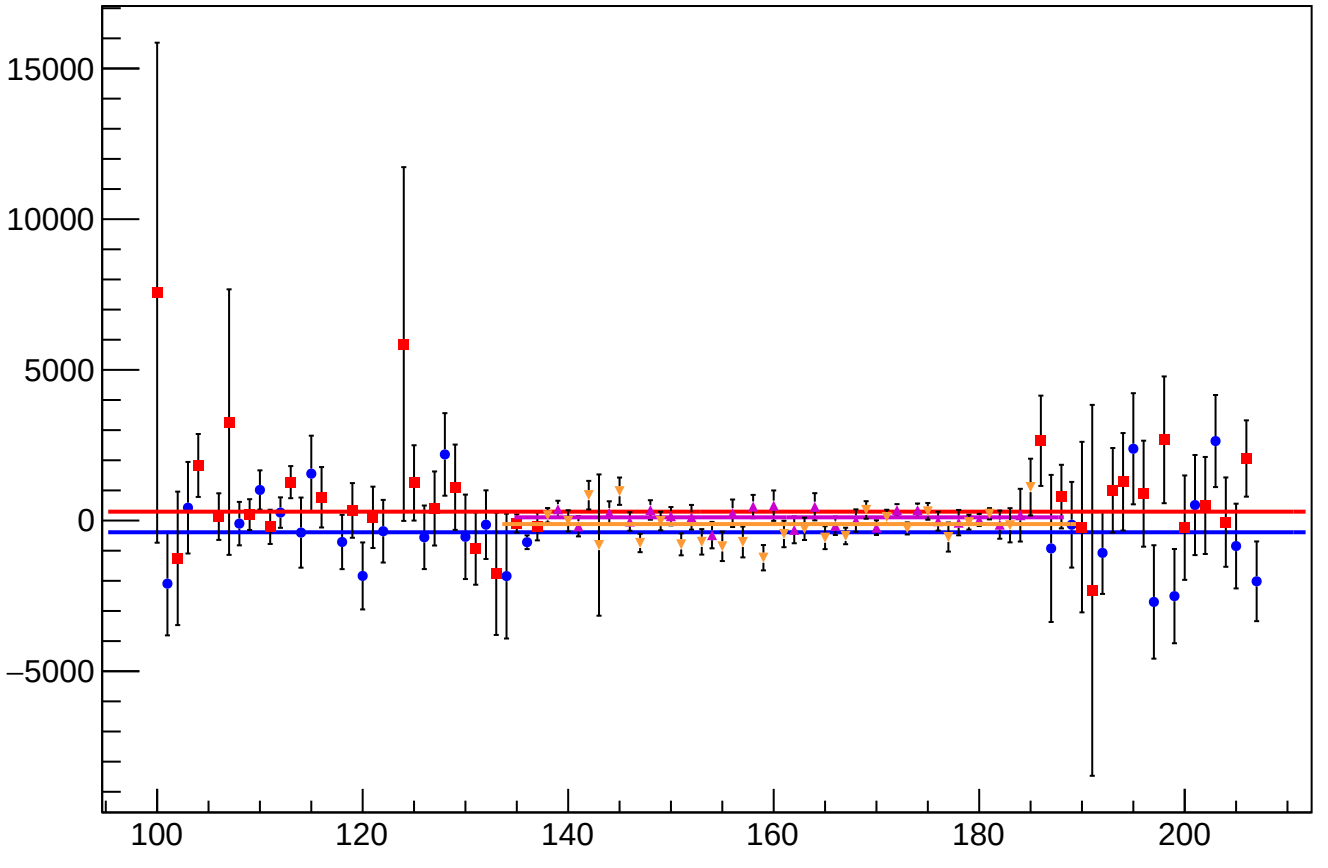
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1277.689+/-0.164 χ^2/NDF: 1040687.2/56

In: 1257.457+/-0.155 χ^2/NDF:578792.7/48

Out: 1267.693+/-0.151 χ^2/NDF:718606.8/55

All: 1262.690+/-0.108 χ^2/NDF: 1299636.7/10



Right In: -388.665+/-159.310 χ^2/NDF: 29.9/25

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

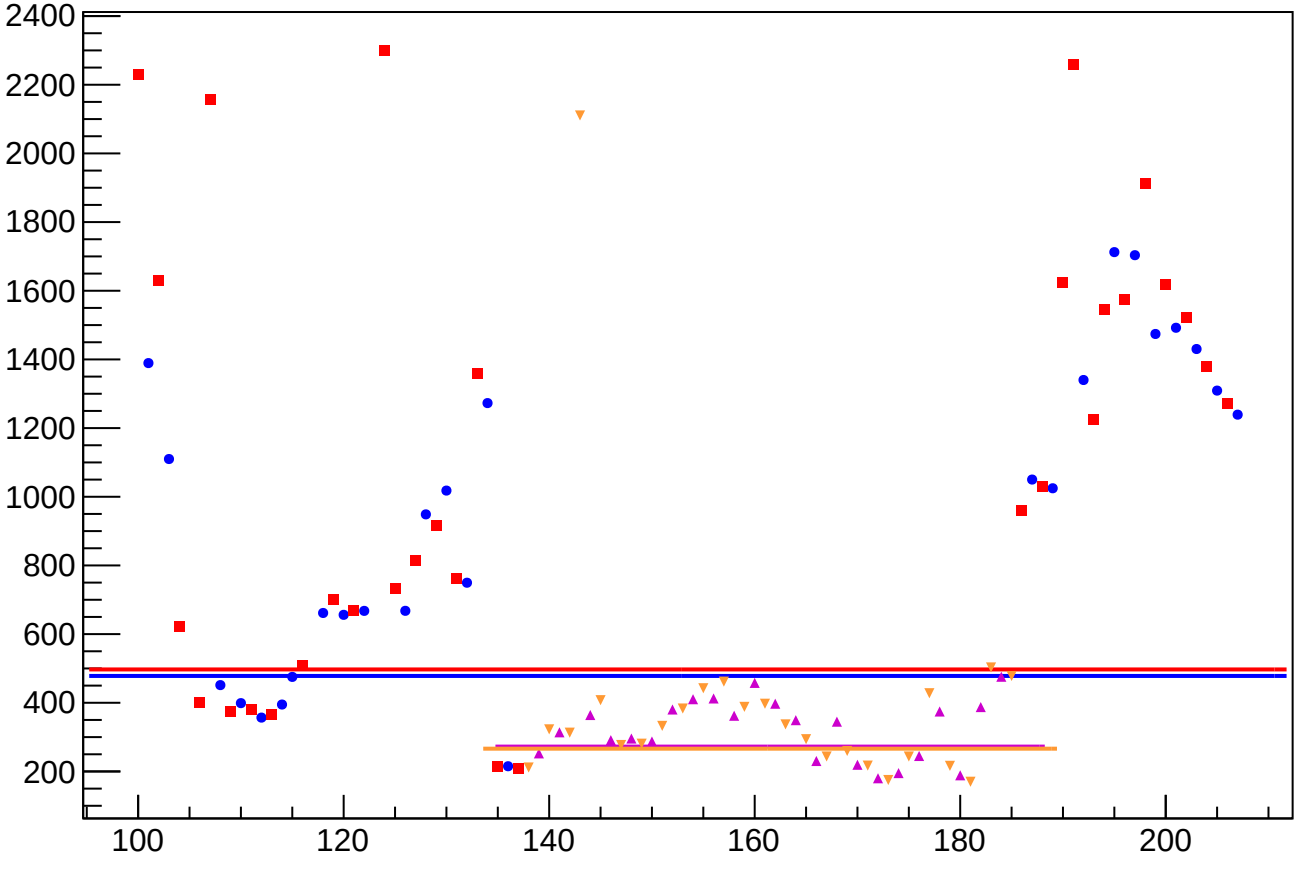
Right: -46.447+/-112.572 χ^2/NDF: 61.2/56

In: 32.794+/-61.761 χ^2/NDF:51.9/48

Out: -58.020+/-60.218 χ^2/NDF:76.3/55

All: -13.761+/-43.116 χ^2/NDF: 129.3/104

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 478.157+/-0.113 χ^2/NDF: 11561746.6/25

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

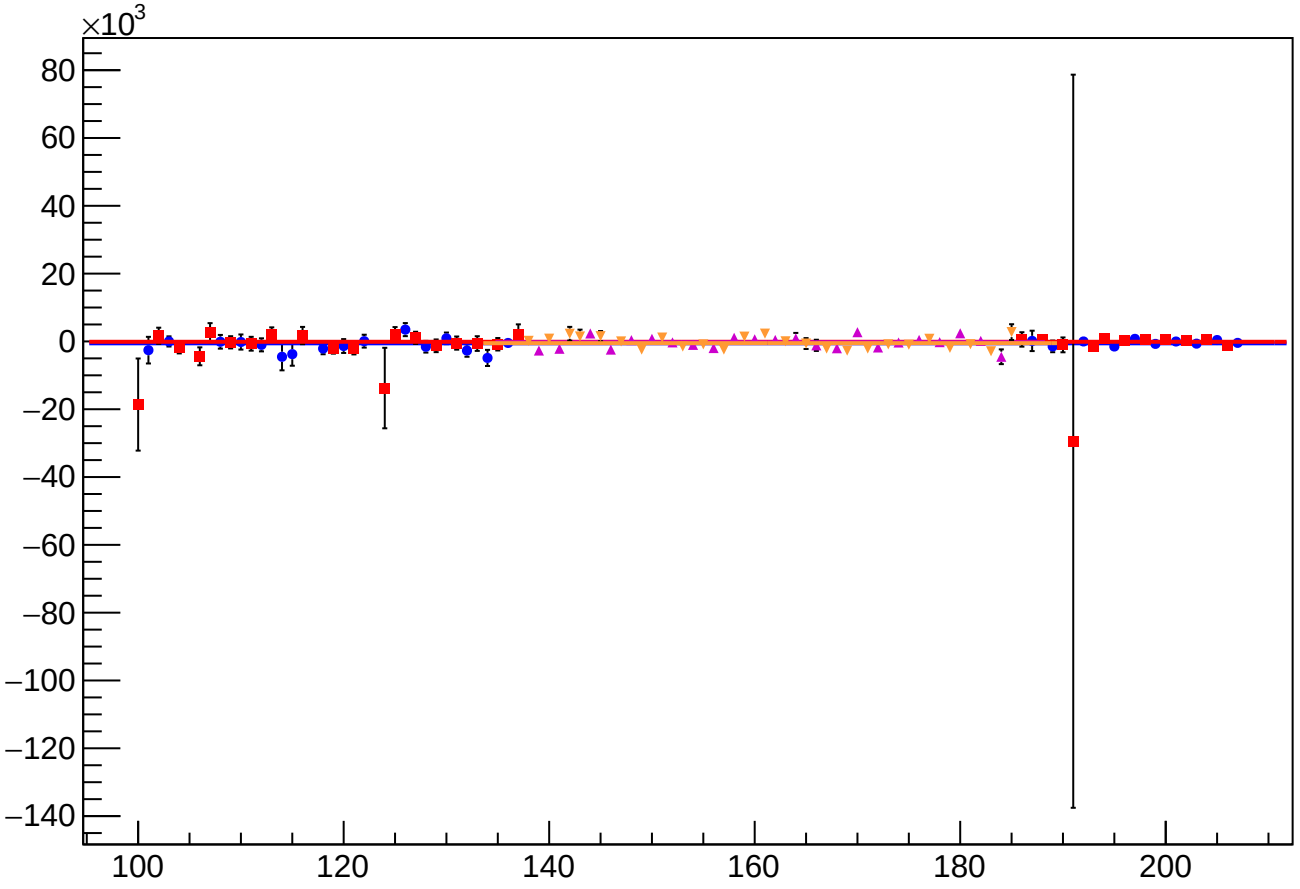
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 487.641+/-0.080 χ^2/NDF: 23856119.1/56

In: 303.297+/-0.044 χ^2/NDF:17285246.4/48

Out: 299.385+/-0.043 χ^2/NDF:20515826.8/55

All: 301.291+/-0.030 χ^2/NDF: 37805187.2/10



Right In: -557.779+/-331.748 χ^2/NDF: 16.2/25

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

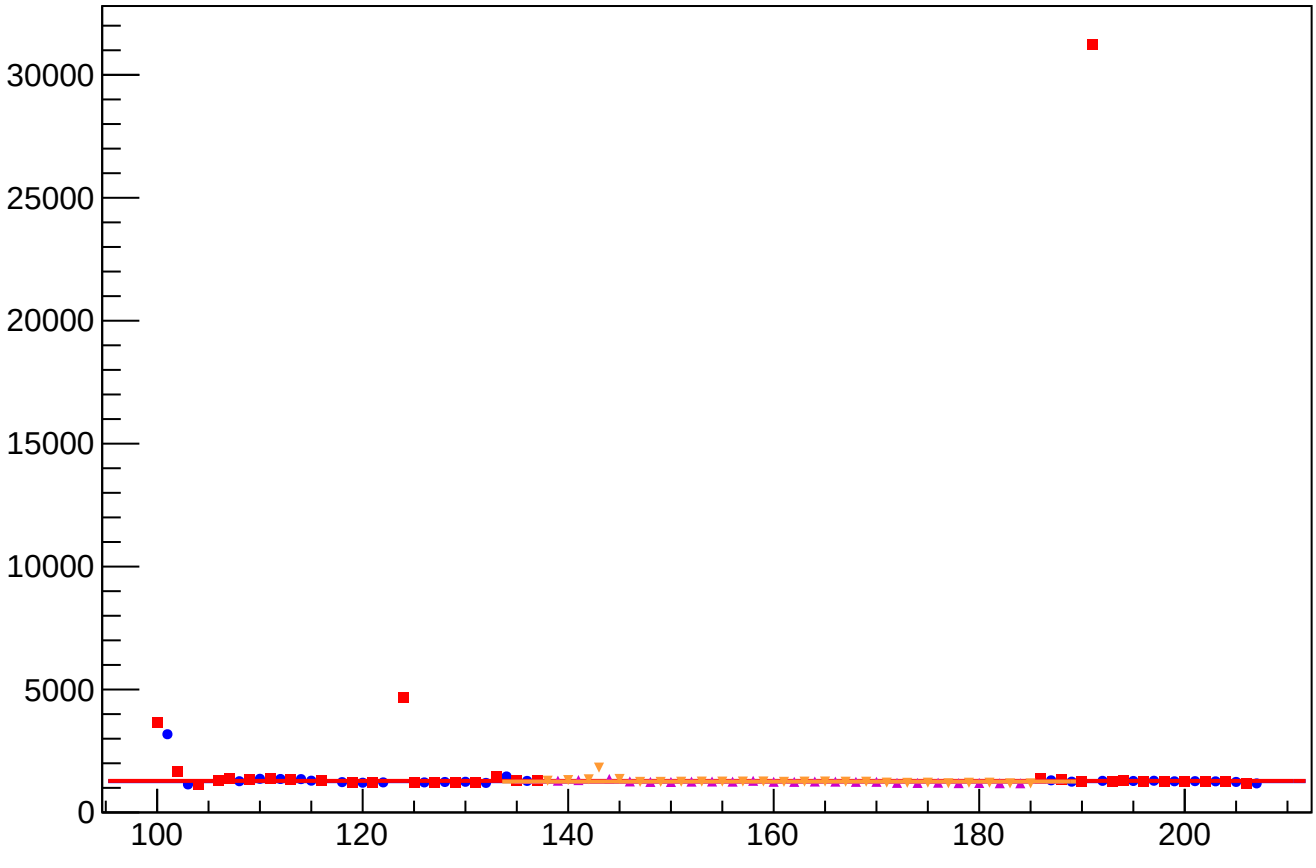
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -325.430+/-231.314 χ^2/NDF: 36.8/56

In: -379.778+/-218.835 χ^2/NDF:48.8/48

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -356.689+/-153.006 χ^2/NDF: 100.3/104



Right In: 1271.870+/-0.235 χ^2/NDF: 532253.9/25

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

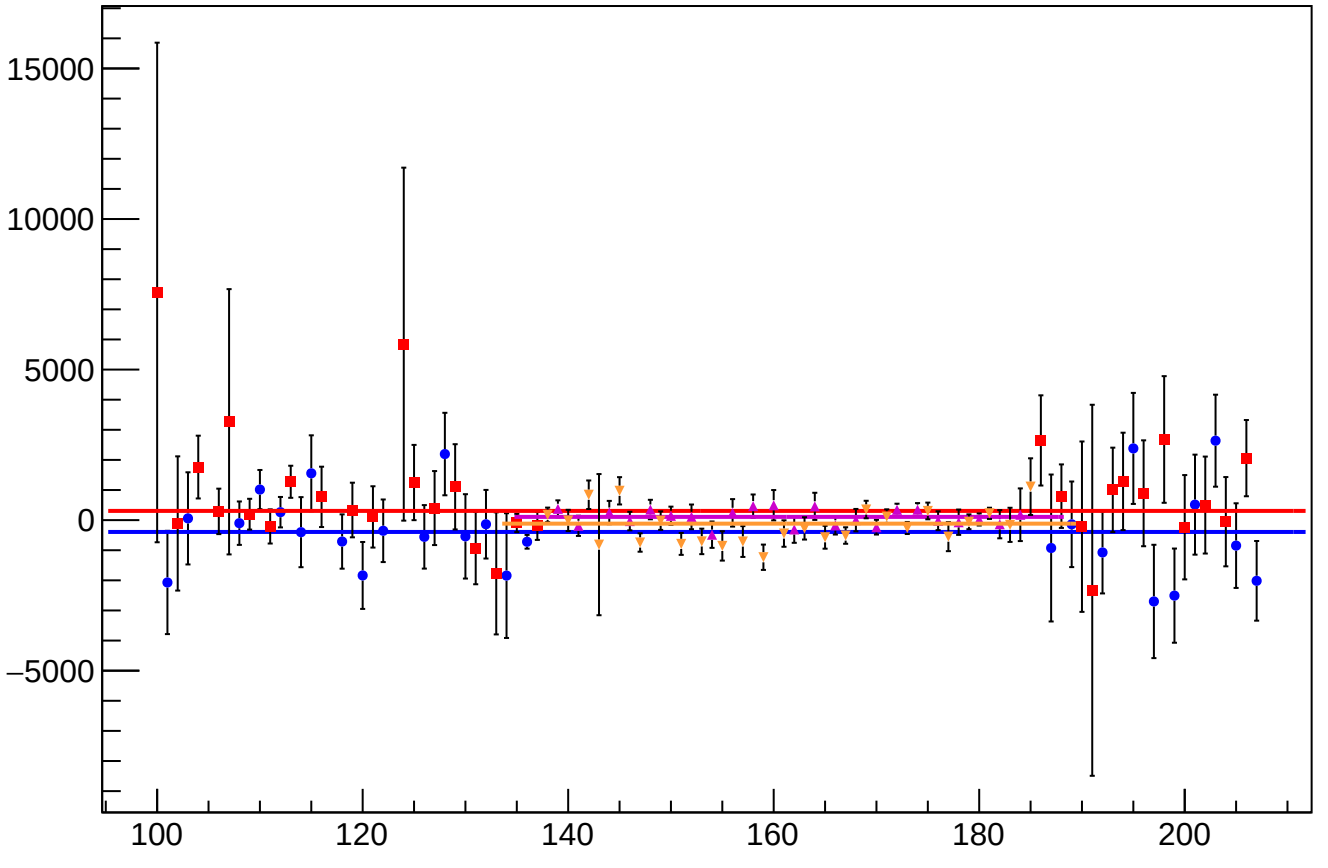
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.009+/-0.164 χ^2/NDF: 1040816.2/56

In: 1257.457+/-0.155 χ^2/NDF:578794.0/48

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1262.827+/-0.108 χ^2/NDF: 1300121.9/10



Right In: -392.667+/-159.327 χ^2/NDF: 29.7/25

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

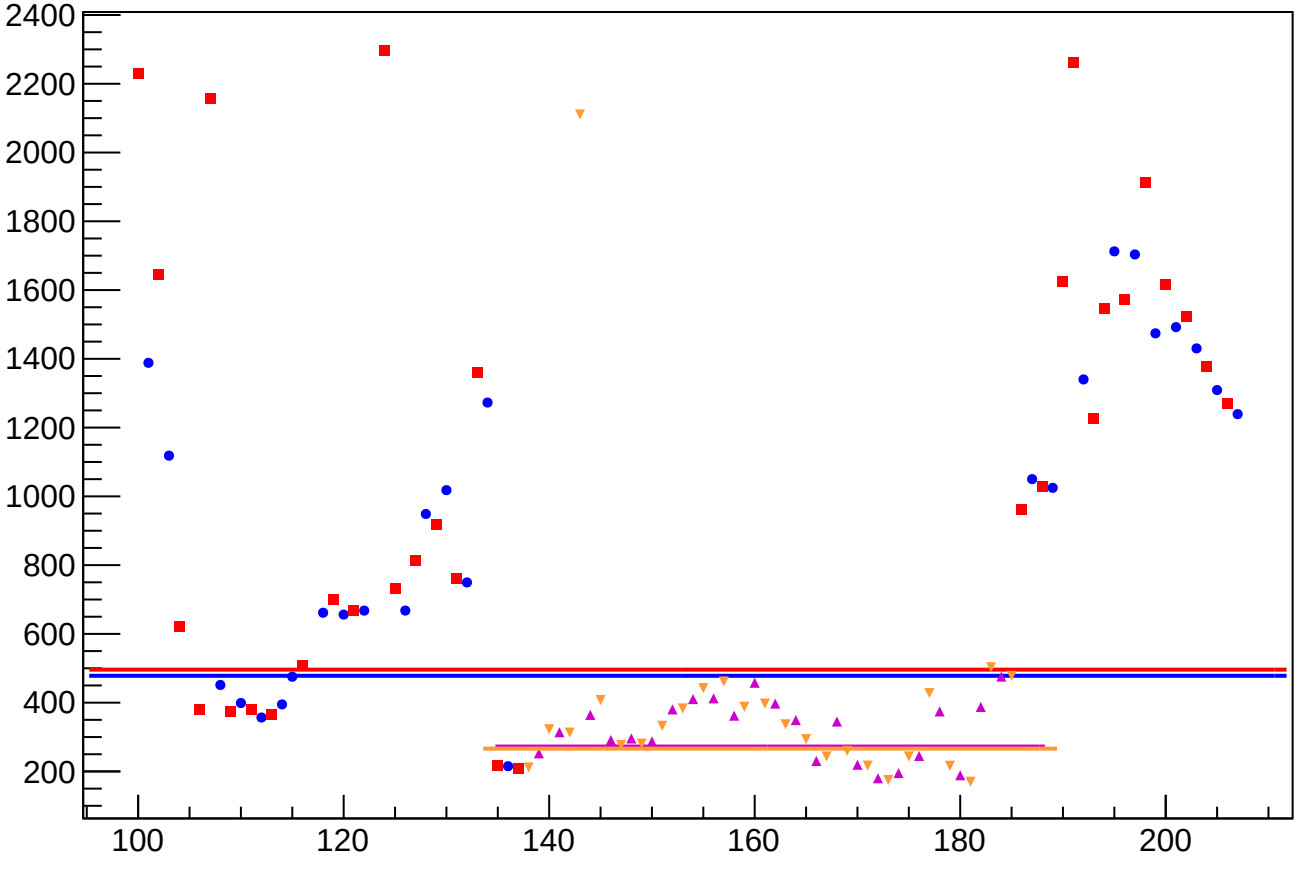
Right: -42.341+/-112.520 χ^2/NDF: 60.7/56

In: 32.303+/-61.763 χ^2/NDF:51.8/48

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -13.103+/-43.114 χ^2/NDF: 128.8/104

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 478.170+/-0.113 χ^2/NDF: 11564848.5/25

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

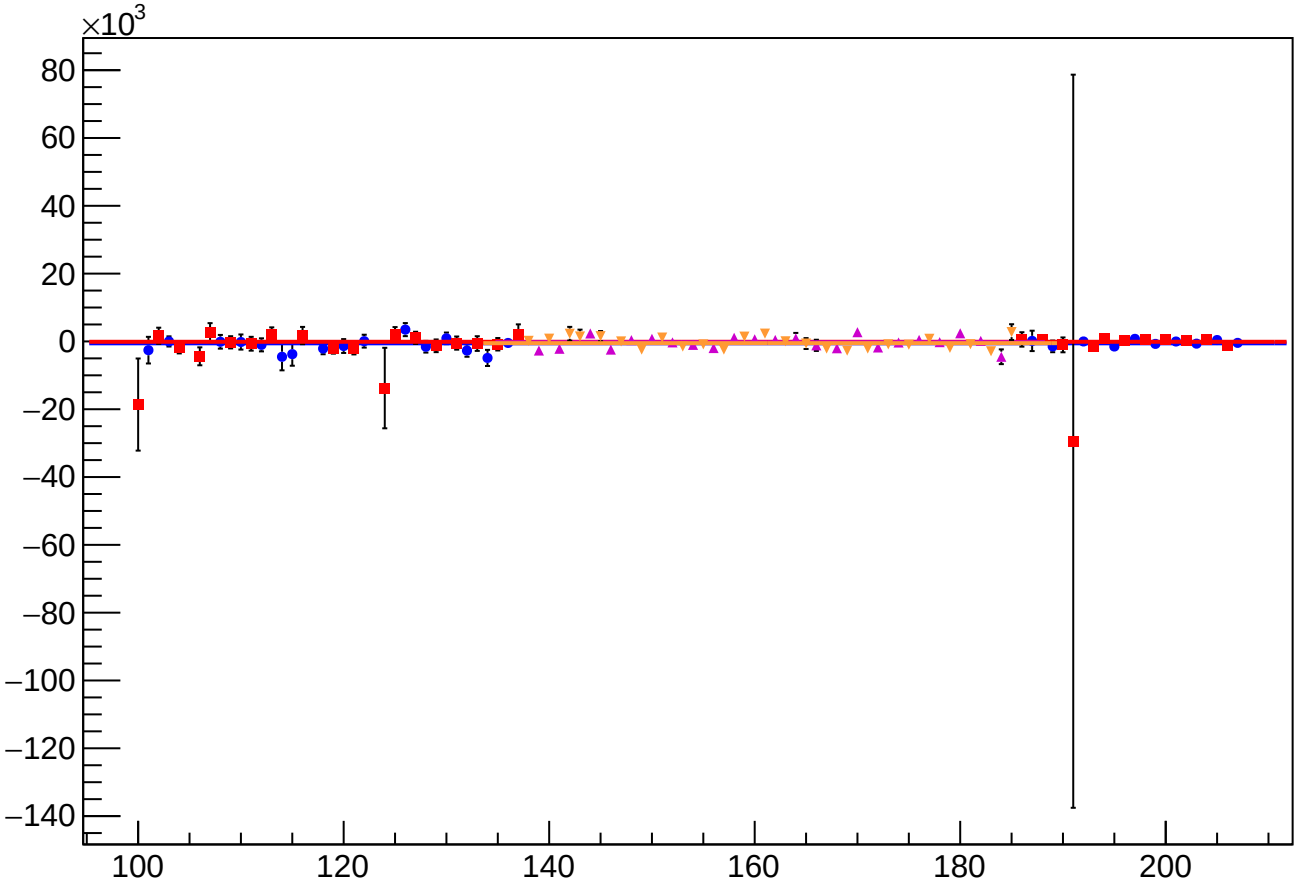
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 487.126+/-0.080 χ^2/NDF: 23880280.2/56

In: 303.303+/-0.044 χ^2/NDF:17287693.6/48

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 301.249+/-0.030 χ^2/NDF: 37803508.1/10



Right In: -557.779+/-331.748 χ^2/NDF: 16.2/25

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

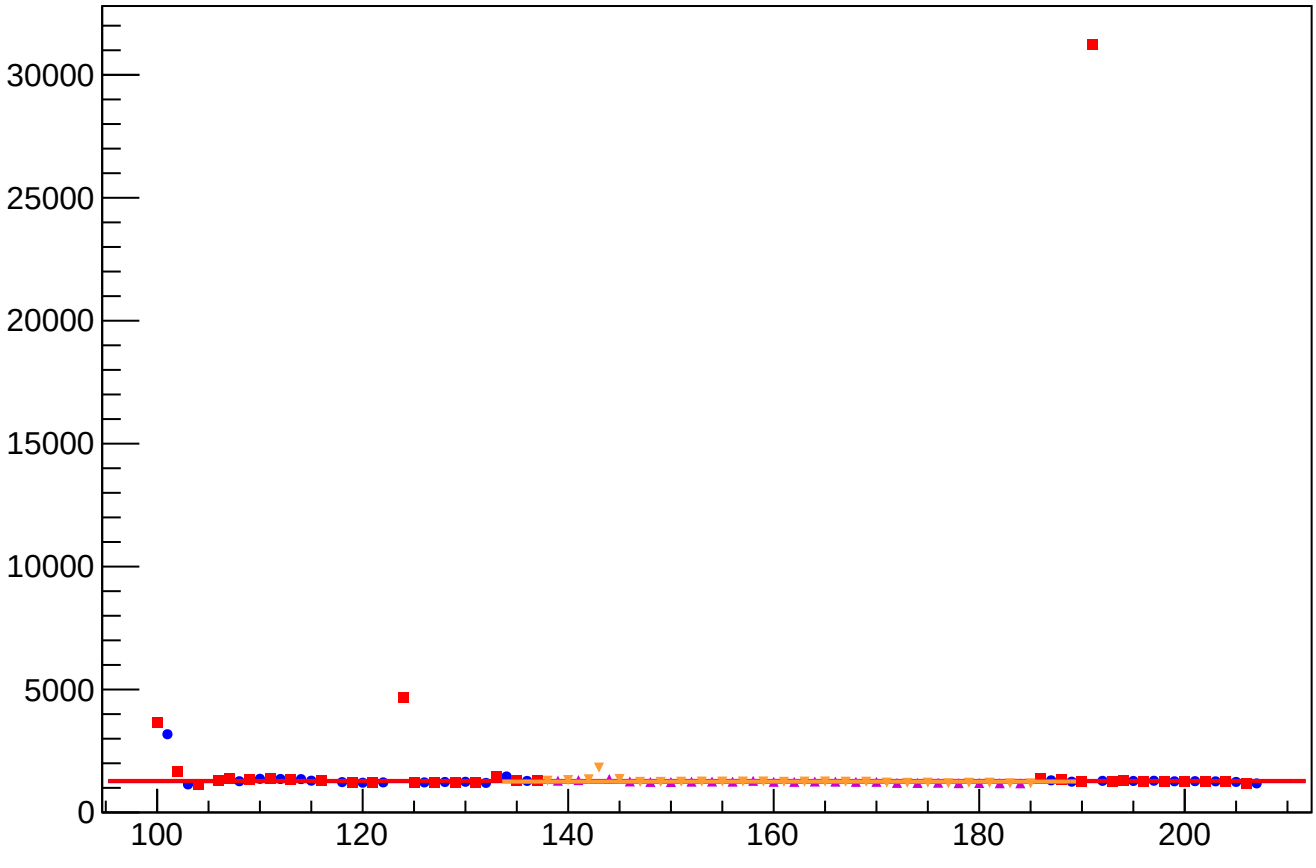
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -325.430+/-231.314 χ^2/NDF: 36.8/56

In: -379.778+/-218.835 χ^2/NDF:48.8/48

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -356.689+/-153.006 χ^2/NDF: 100.3/104



Right In: 1271.870+/-0.235 χ^2/NDF: 532253.9/25

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

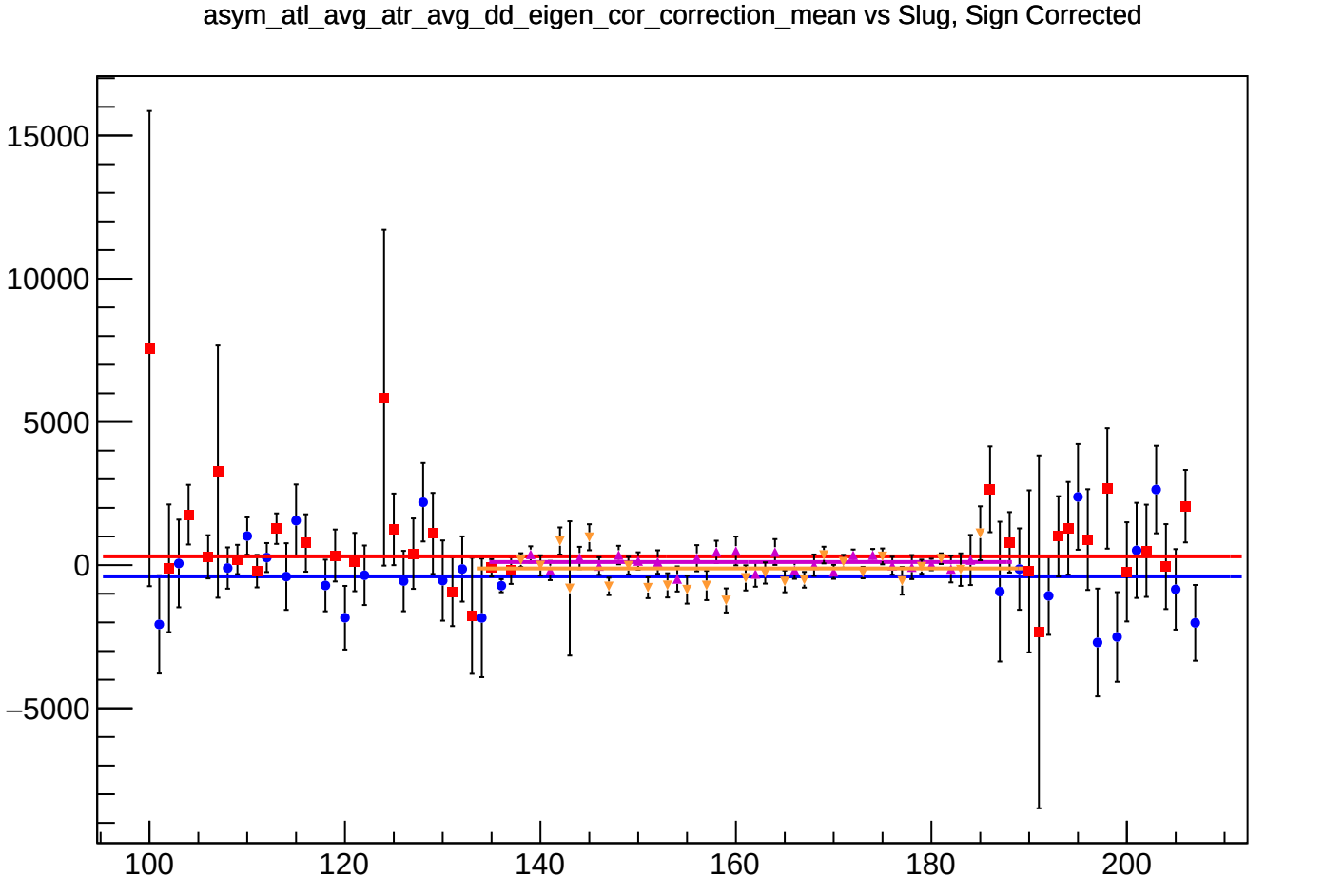
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.009+/-0.164 χ^2/NDF: 1040816.2/56

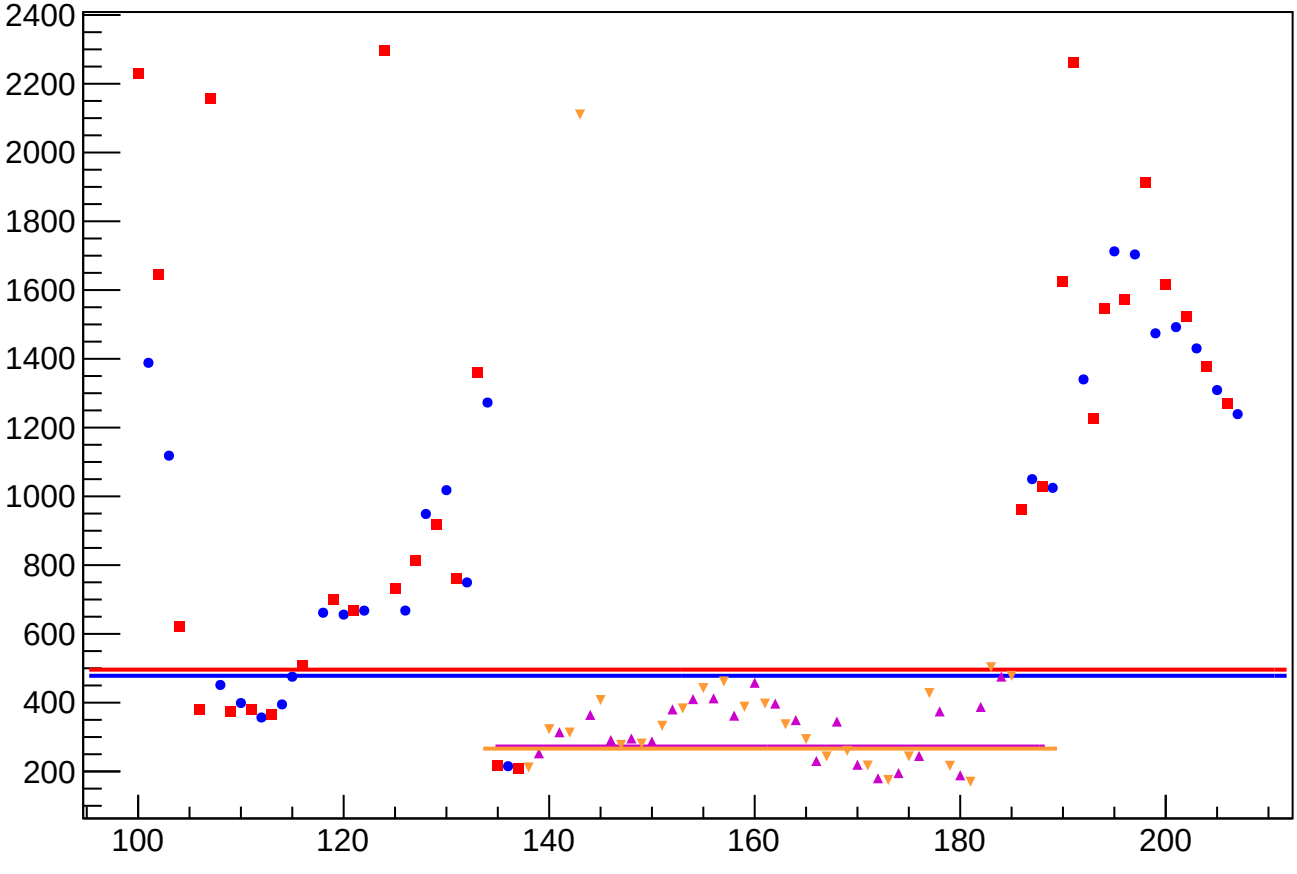
In: 1257.457+/-0.155 χ^2/NDF:578794.0/48

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1262.827+/-0.108 χ^2/NDF: 1300121.9/10


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -392.667+/-159.327 χ²/NDF: 29.7/25
Left Out: -117.002+/-65.060 χ²/NDF:48.4/24
Right Out: 306.237+/-158.929 χ²/NDF: 21.4/30
Left In: 107.459+/-67.003 χ²/NDF:13.7/22
Left: -8.072+/-46.676 χ²/NDF: 68.0/47
Right: -42.341+/-112.520 χ²/NDF: 60.7/56
In: 32.303+/-61.763 χ²/NDF:51.8/48
Out: -56.255+/-60.211 χ²/NDF:75.9/55
All: -13.103+/-43.114 χ²/NDF: 128.8/104

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 478.170+/-0.113 χ^2/NDF: 11564848.5/25

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

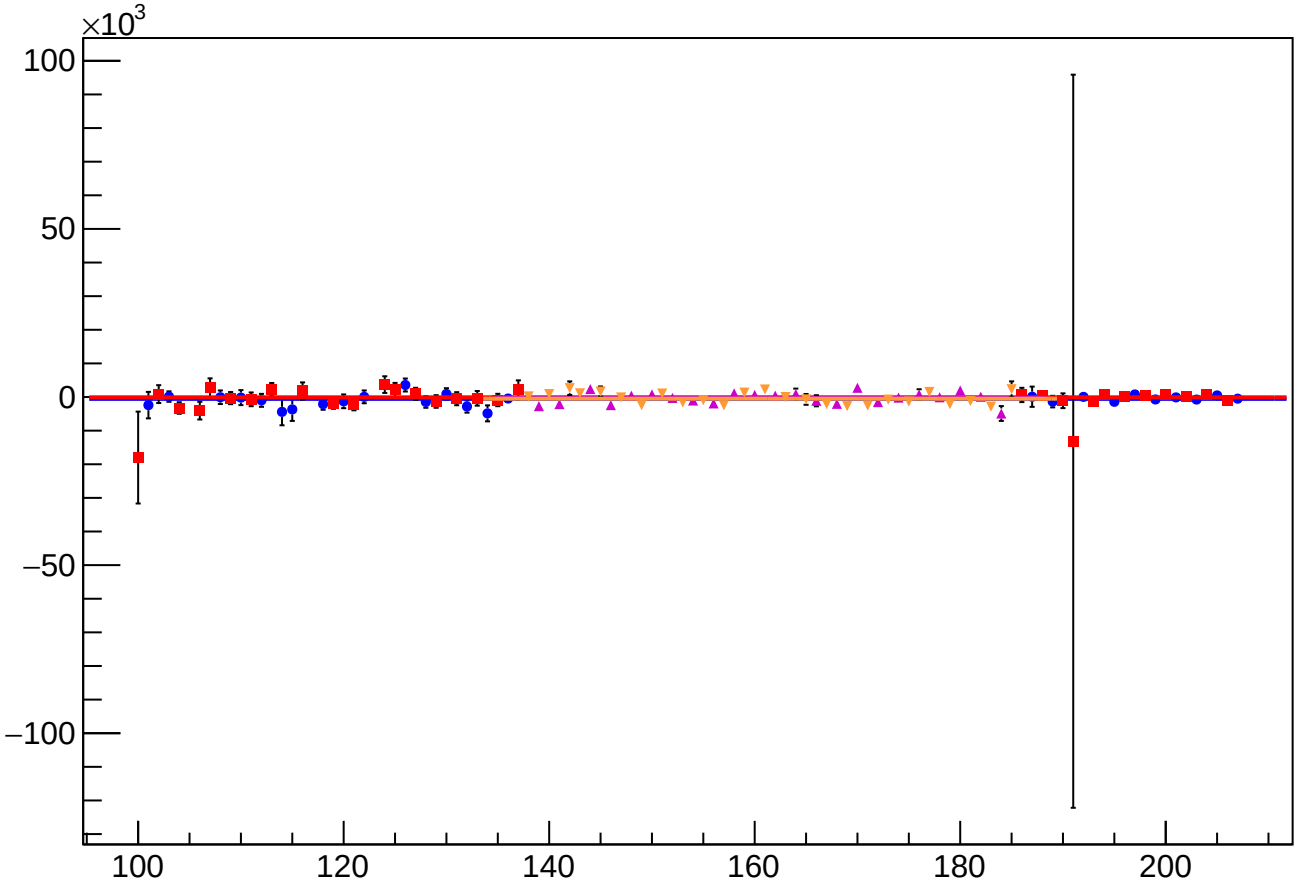
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 487.126+/-0.080 χ^2/NDF: 23880280.2/56

In: 303.303+/-0.044 χ^2/NDF:17287693.6/48

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 301.249+/-0.030 χ^2/NDF: 37803508.1/10



Right In: -545.336+/-332.798 χ^2/NDF: 16.3/25

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

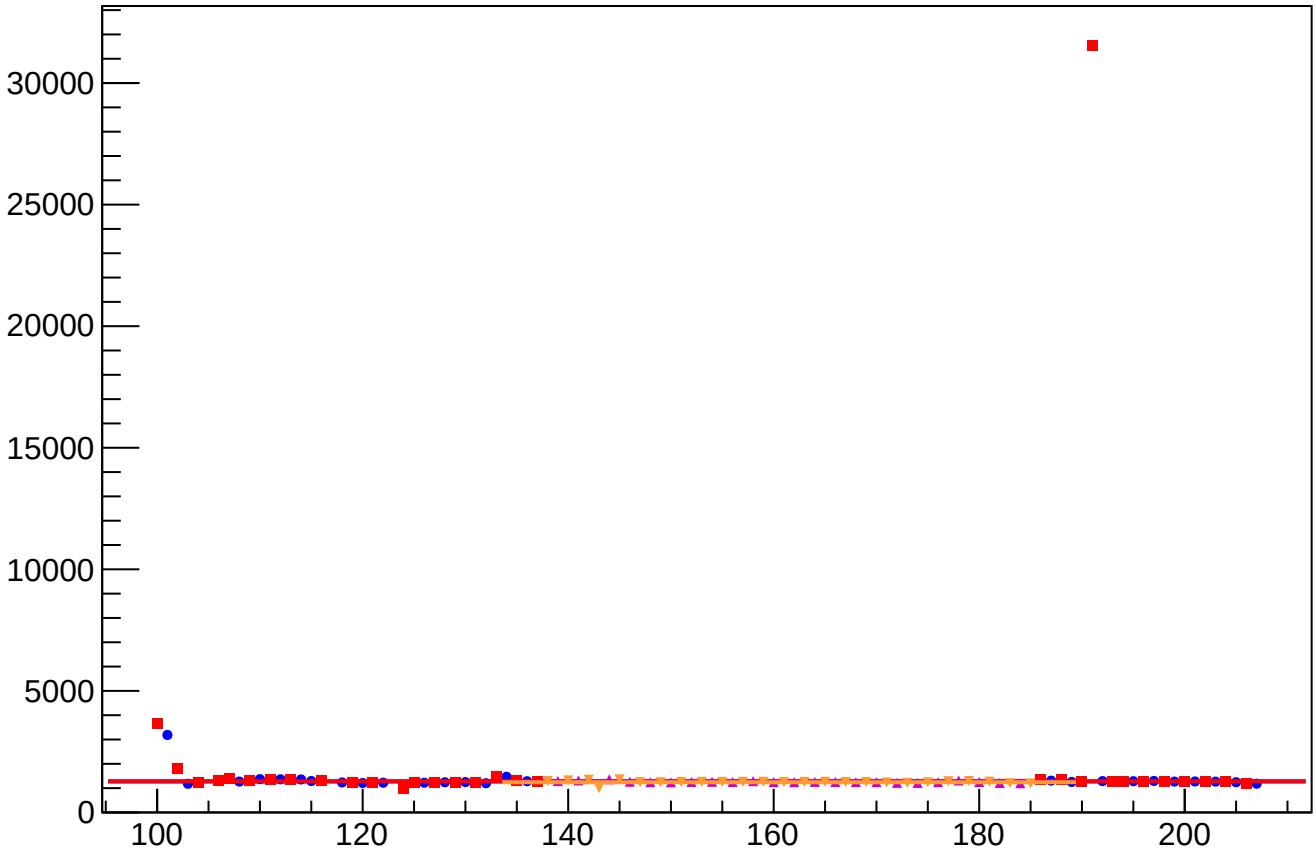
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -310.711+/-231.403 χ^2/NDF: 38.6/56

In: -375.138+/-220.479 χ^2/NDF:47.4/48

Out: -318.267+/-212.451 χ^2/NDF:56.4/55

All: -345.648+/-152.985 χ^2/NDF: 103.9/104



Right In: 1275.993+/-0.235 χ^2/NDF: 524957.3/25

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

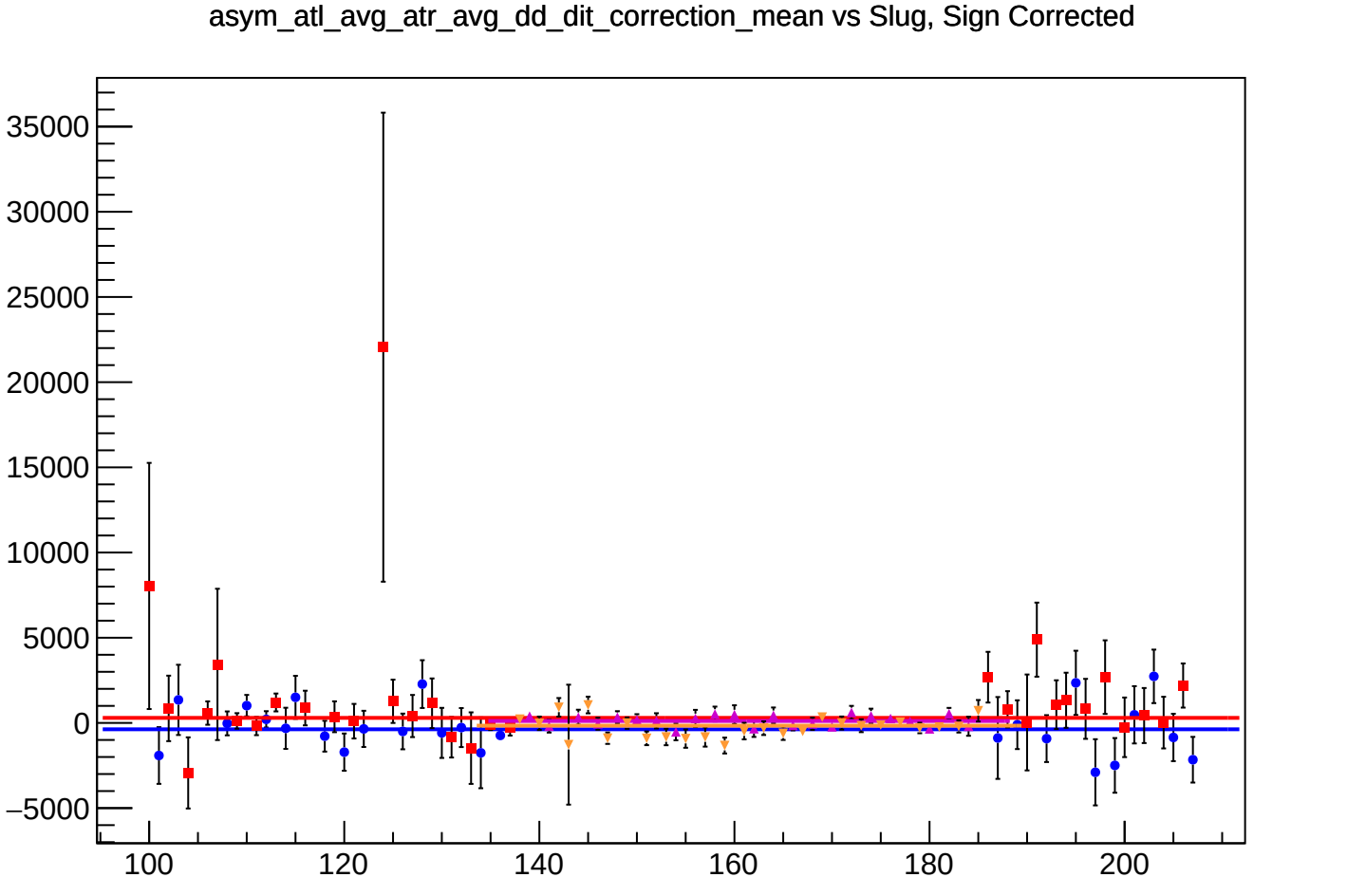
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

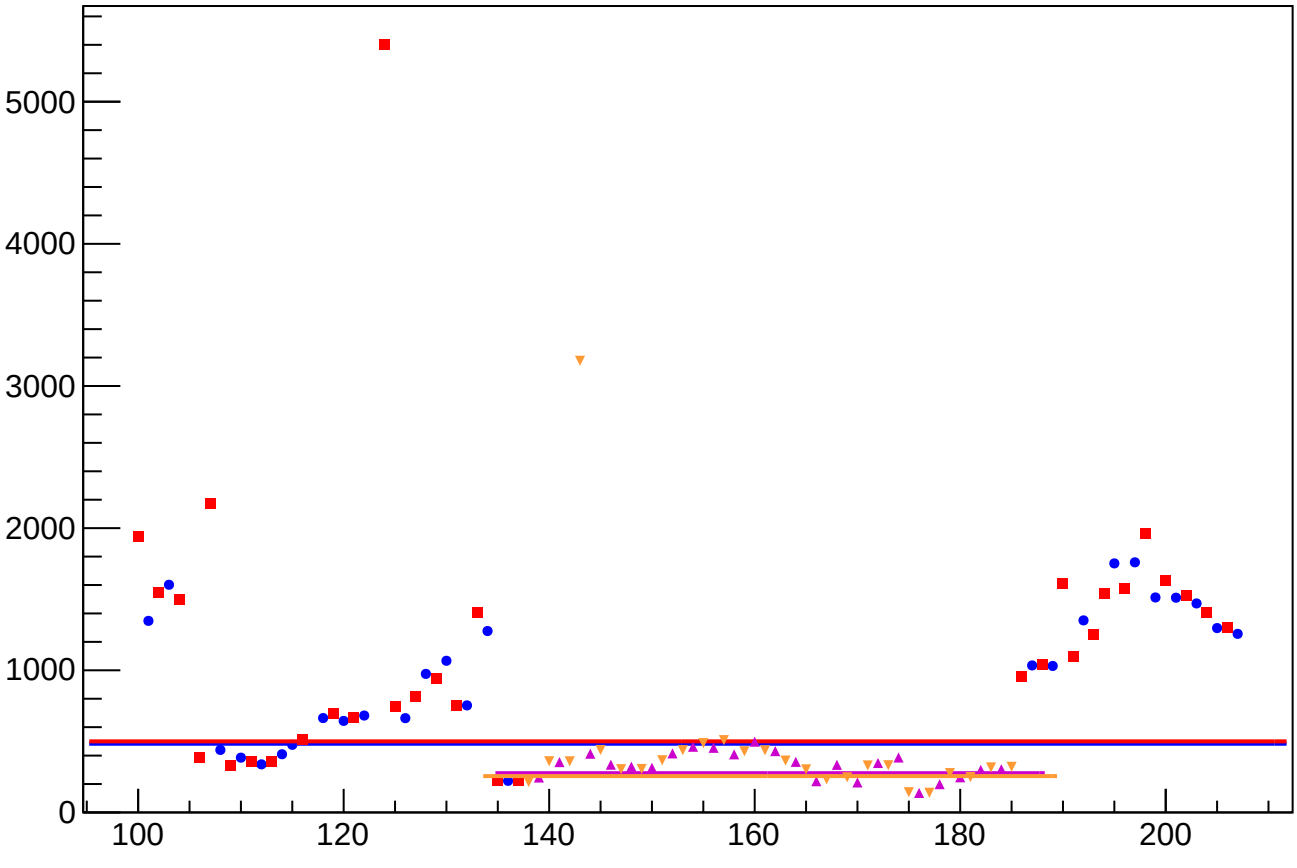
Right: 1278.598+/-0.164 χ^2/NDF: 912733.1/56

In: 1267.072+/-0.156 χ^2/NDF:555450.7/48

Out: 1259.300+/-0.150 χ^2/NDF:533704.5/55

All: 1263.042+/-0.108 χ^2/NDF: 1090444.0/10


asym_atl_avg_atr_avg_dd_dit_correction_mean vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -374.043+/-161.013 χ²/NDF: 30.3/25
Left Out: -160.930+/-64.133 χ²/NDF:43.8/24
Right Out: 296.054+/-158.992 χ²/NDF: 28.1/30
Left In: 113.722+/-68.841 χ²/NDF:18.2/22
Left: -33.316+/-46.925 χ²/NDF: 70.5/47
Right: -34.762+/-113.132 χ²/NDF: 67.1/56
In: 38.340+/-63.298 χ²/NDF:56.2/48
Out: -96.980+/-59.476 χ²/NDF:78.9/55
All: -33.528+/-43.344 χ²/NDF: 137.6/104



Right In: 483.376+/-0.114 χ^2/NDF: 11712250.4/25

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

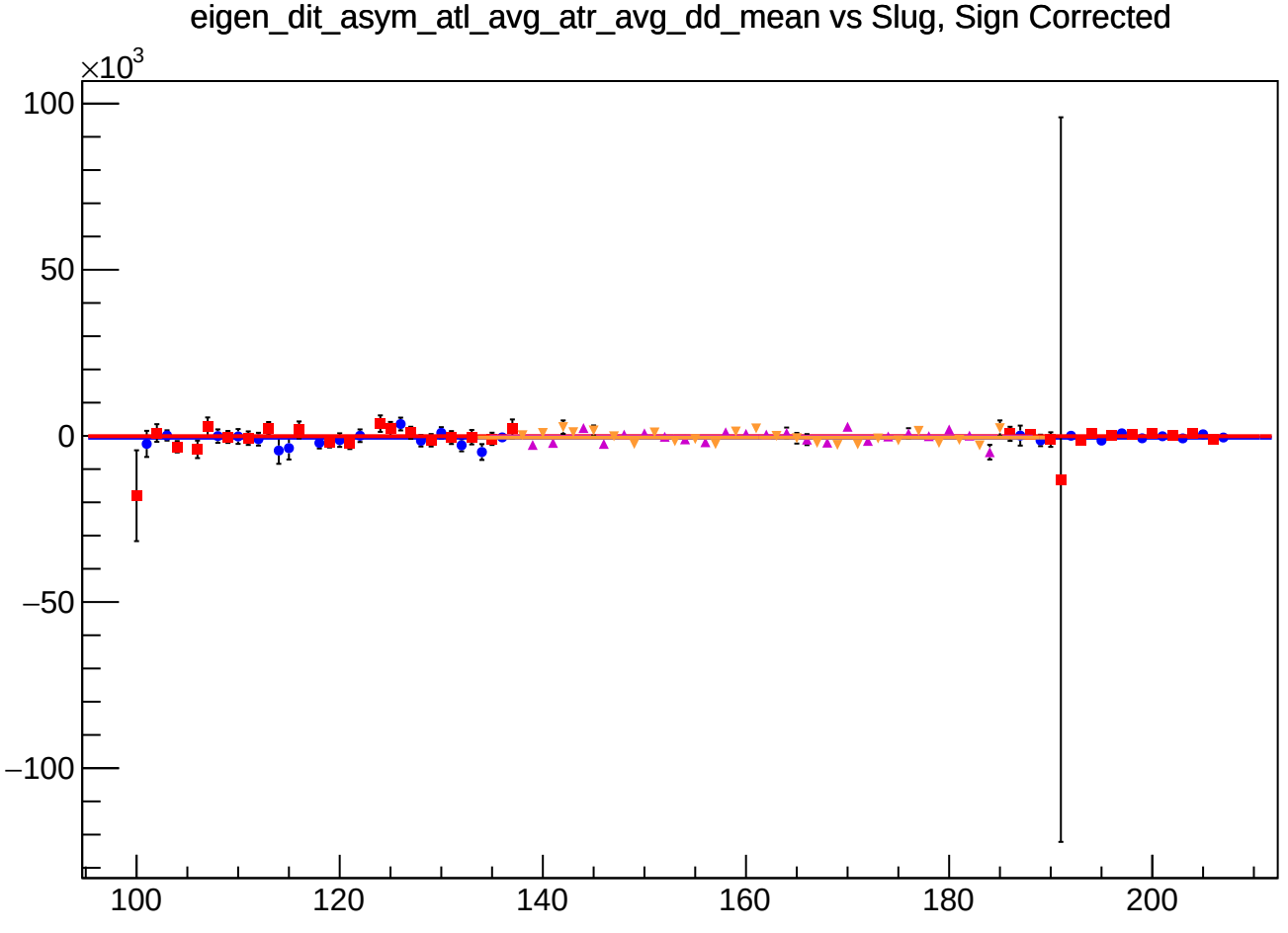
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 491.873+/-0.080 χ^2/NDF: 24554569.4/56

In: 308.301+/-0.045 χ^2/NDF:18536477.1/48

Out: 289.968+/-0.042 χ^2/NDF:23269459.5/55

All: 298.564+/-0.031 χ^2/NDF: 41895043.6/10



Right In: -545.336+/-332.798 χ^2/NDF: 16.3/25

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

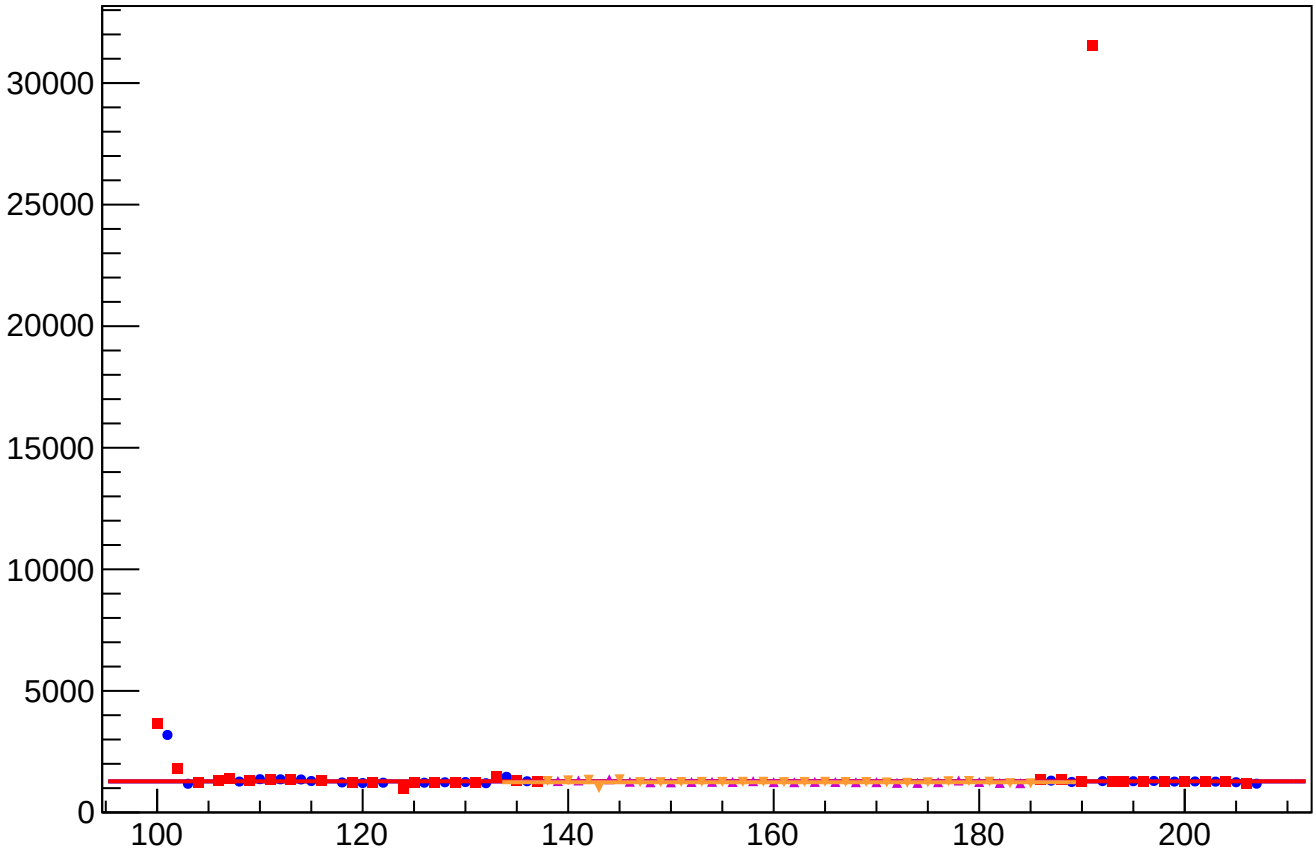
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -310.711+/-231.403 χ^2/NDF: 38.6/56

In: -375.138+/-220.479 χ^2/NDF:47.4/48

Out: -318.266+/-212.451 χ^2/NDF:56.4/55

All: -345.648+/-152.985 χ^2/NDF: 103.9/104



Right In: 1275.993+/-0.235 χ^2/NDF: 524957.3/25

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

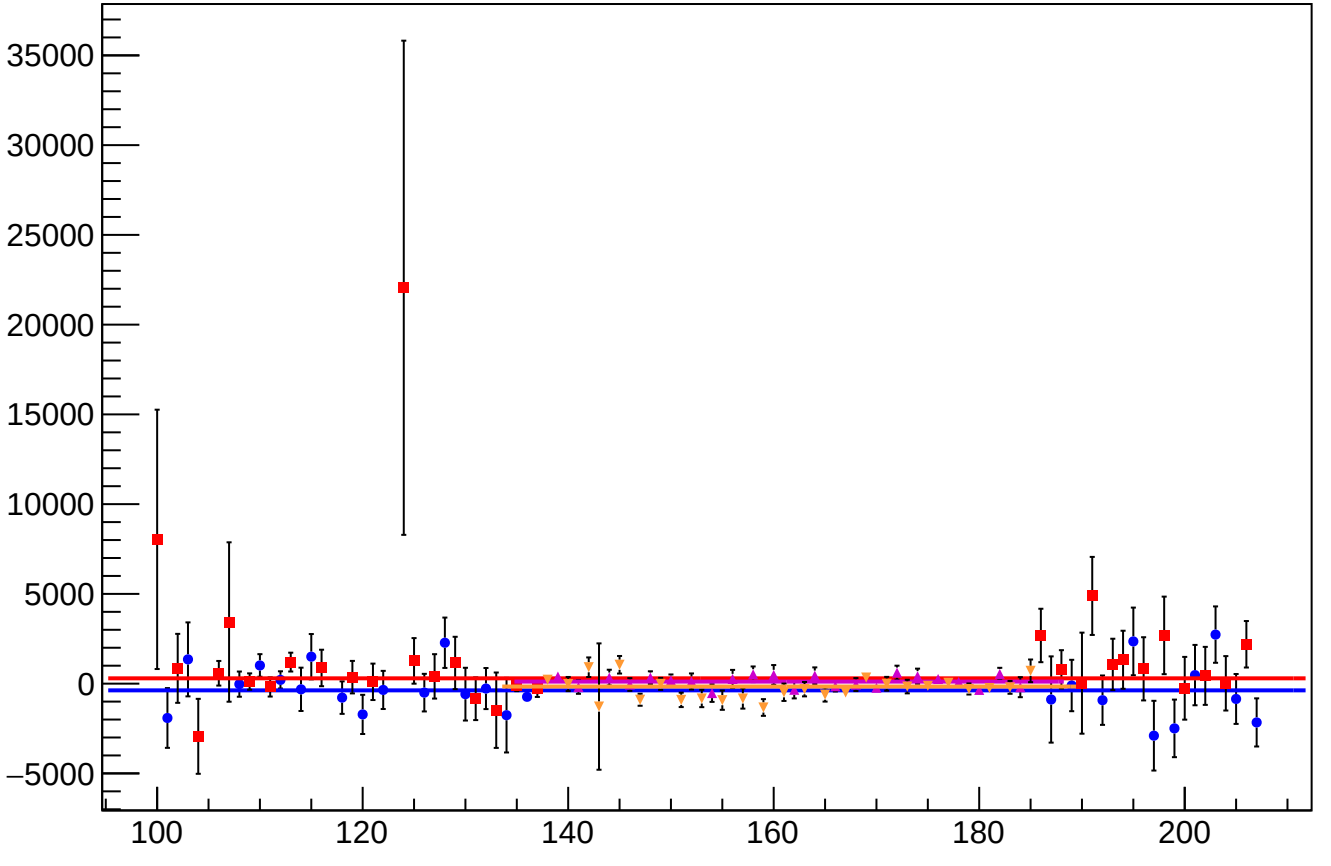
Right: 1278.598+/-0.164 χ^2/NDF: 912733.4/56

In: 1267.072+/-0.156 χ^2/NDF:555450.7/48

Out: 1259.300+/-0.150 χ^2/NDF:533703.9/55

All: 1263.042+/-0.108 χ^2/NDF: 1090443.4/10

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.044+/-161.016 χ^2/NDF: 30.3/25

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

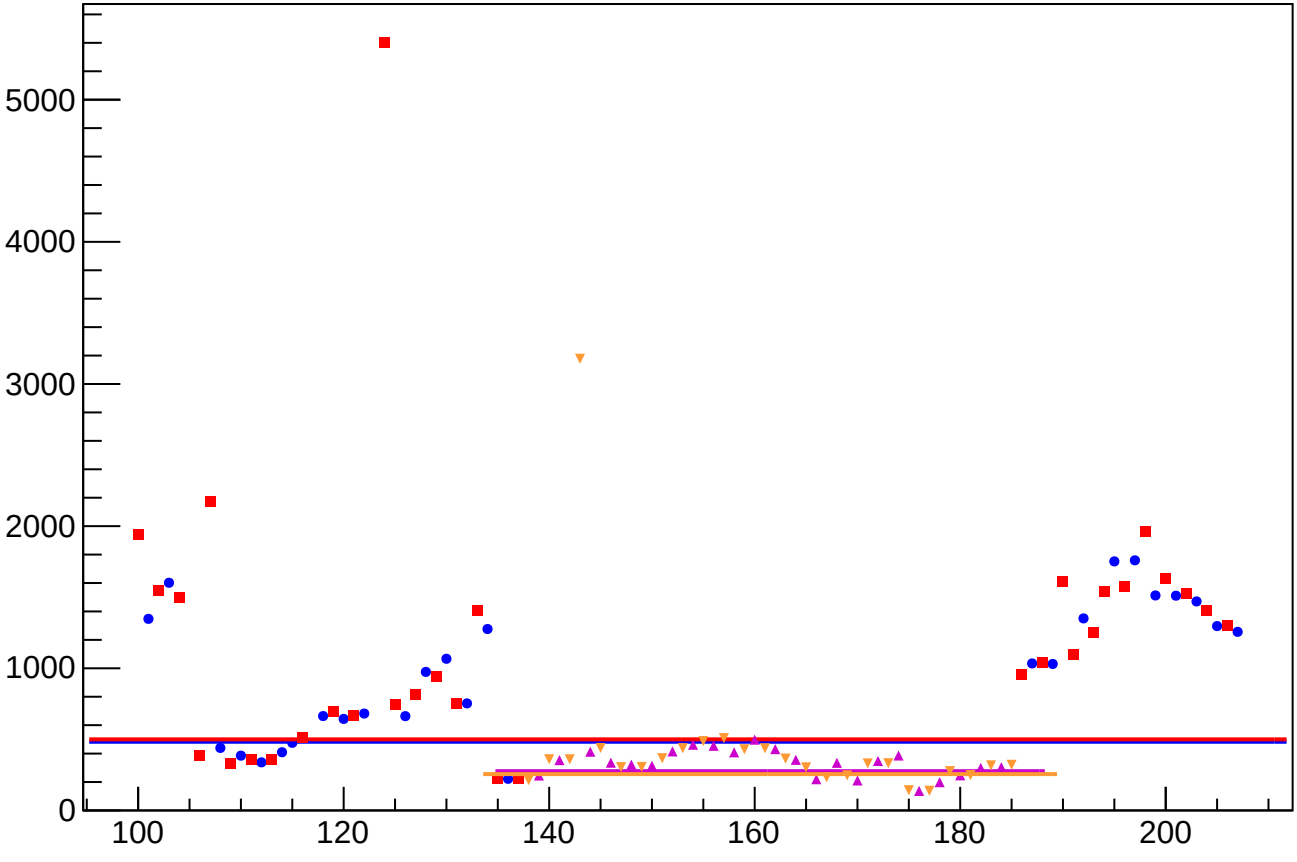
Right: -34.757+/-113.134 χ^2/NDF: 67.1/56

In: 38.340+/-63.298 χ^2/NDF:56.2/48

Out: -96.982+/-59.477 χ^2/NDF:78.9/55

All: -33.529+/-43.344 χ^2/NDF: 137.6/104

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 483.388+/-0.114 χ^2/NDF: 11711900.0/25

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

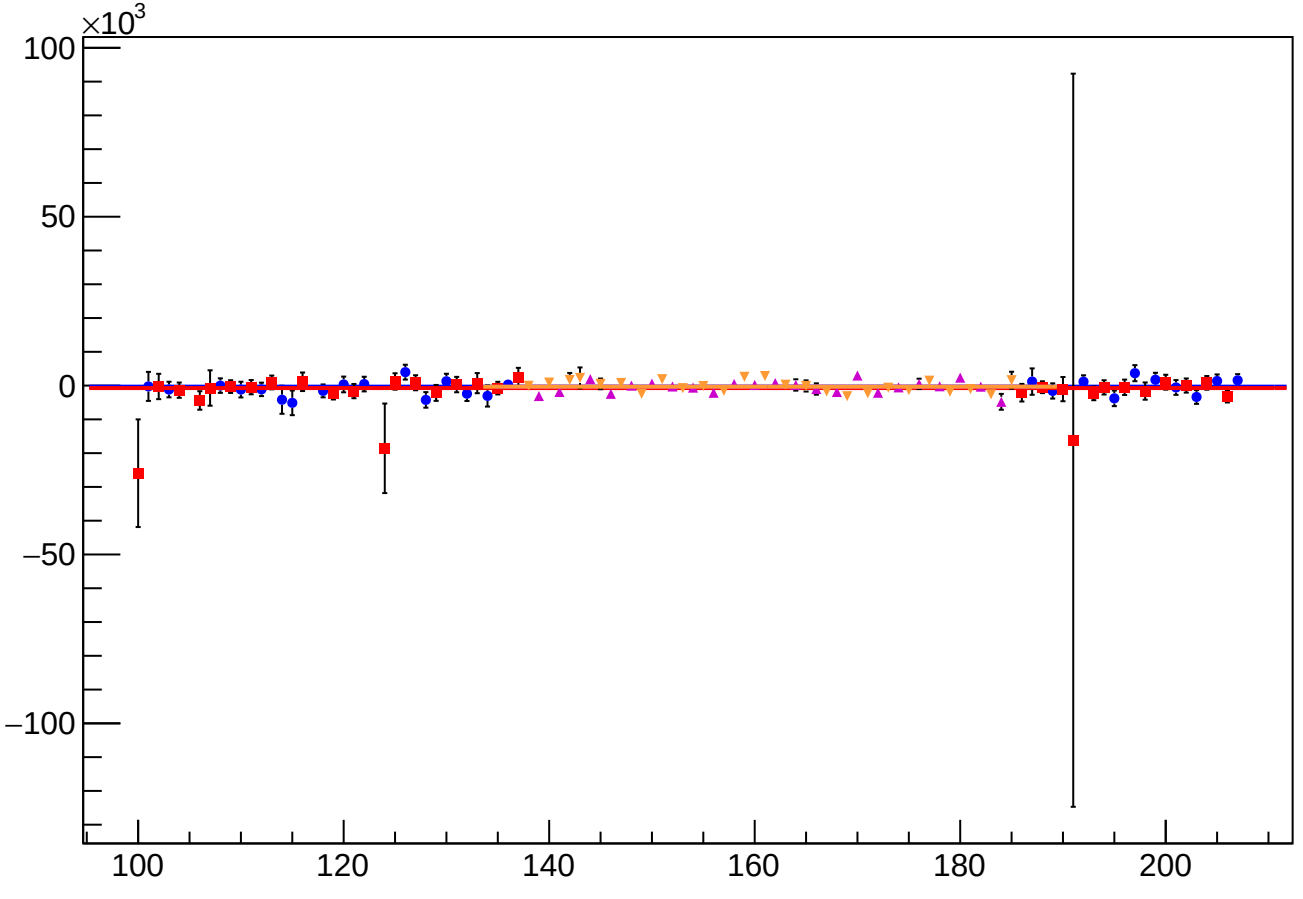
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 491.884+/-0.080 χ^2/NDF: 24553929.3/56

In: 308.303+/-0.045 χ^2/NDF:18536328.5/48

Out: 289.970+/-0.042 χ^2/NDF:23269263.7/55

All: 298.566+/-0.031 χ^2/NDF: 41894694.0/10



Right In: -314.086+/-434.574 χ^2/NDF: 24.0/25

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

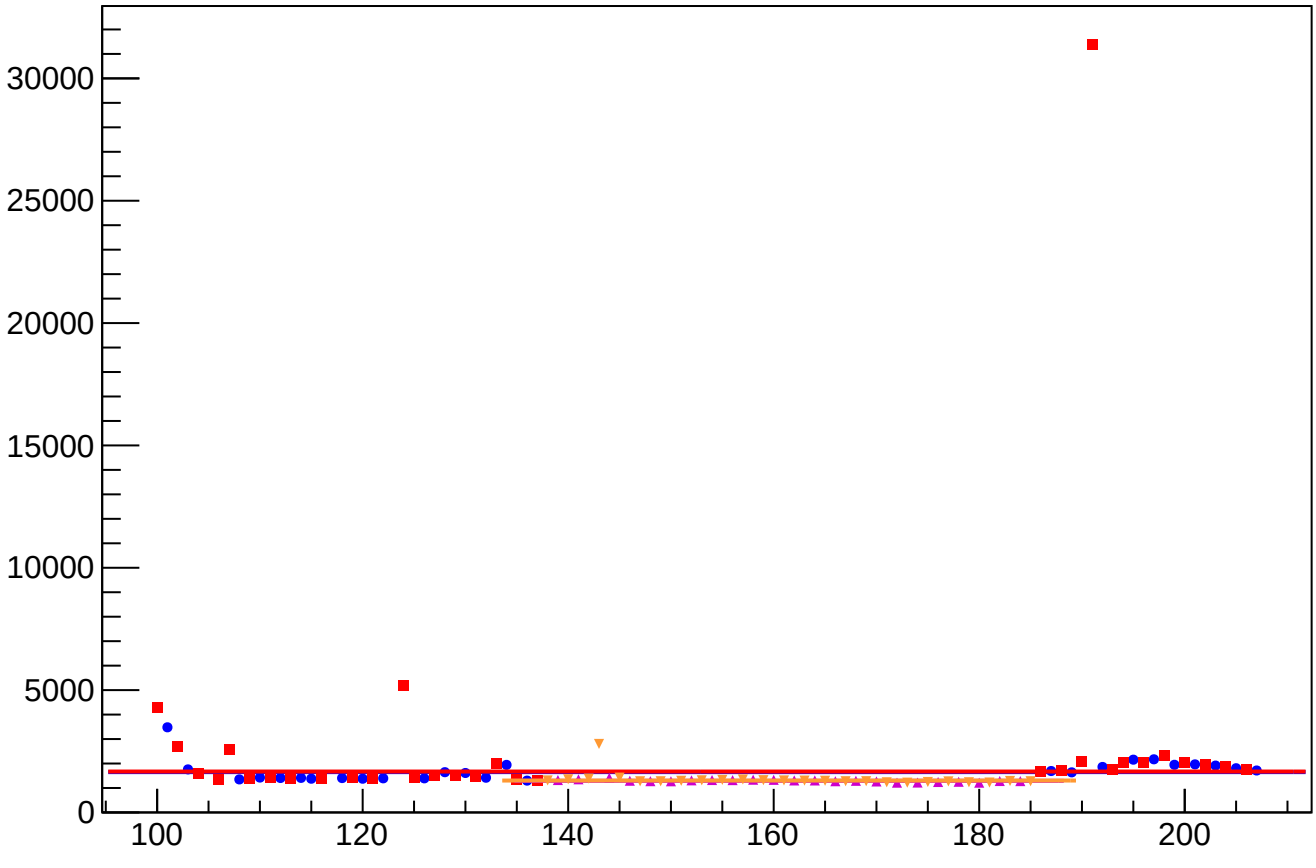
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -526.593+/-304.436 χ^2/NDF: 40.4/56

In: -342.617+/-247.943 χ^2/NDF:53.6/48

Out: -454.898+/-244.449 χ^2/NDF:48.1/55

All: -399.554+/-174.074 χ^2/NDF: 101.9/104



Right In: 1648.193+/-0.307 χ^2/NDF: 1104688.5/25

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

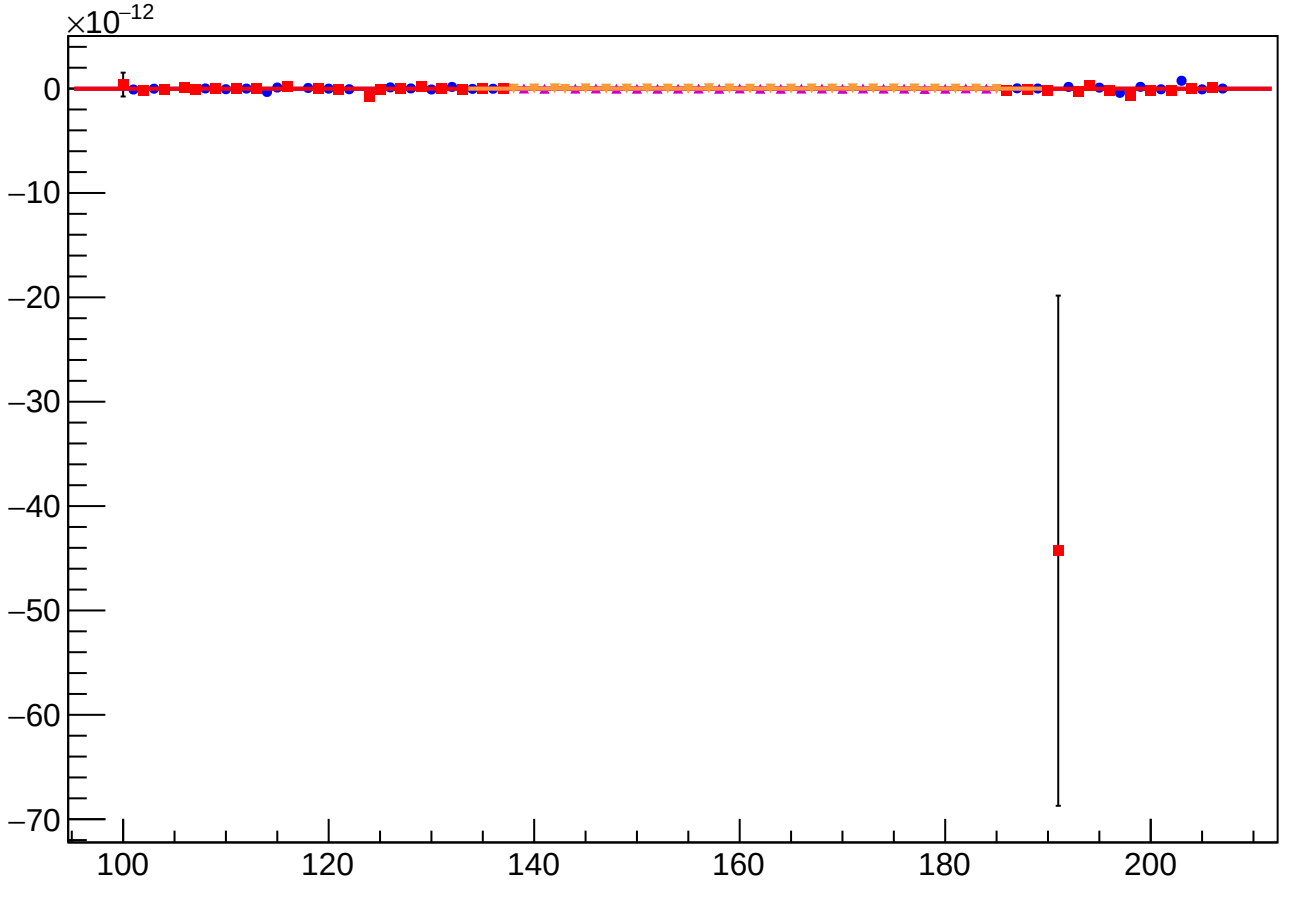
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1660.616+/-0.215 χ^2/NDF: 2482125.9/56

In: 1408.031+/-0.175 χ^2/NDF:2058648.4/48

Out: 1425.124+/-0.173 χ^2/NDF:2895765.2/55

All: 1416.699+/-0.123 χ^2/NDF: 4959234.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/25

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

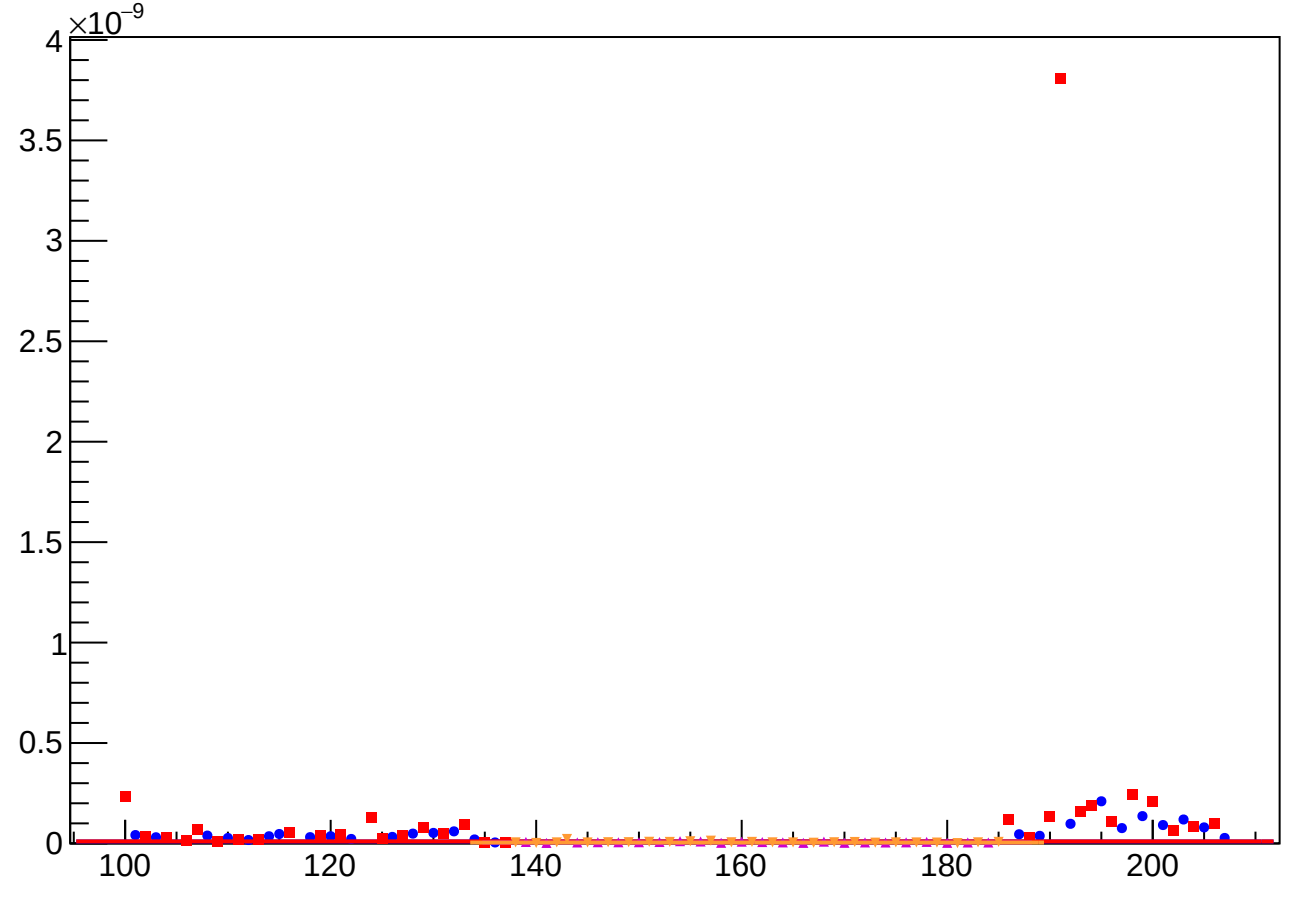
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 65.6/56

In: -0.000+/-0.000 χ^2/NDF:59.8/48

Out: -0.000+/-0.000 χ^2/NDF:64.4/55

All: -0.000+/-0.000 χ^2/NDF: 124.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 6829435.1/25

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

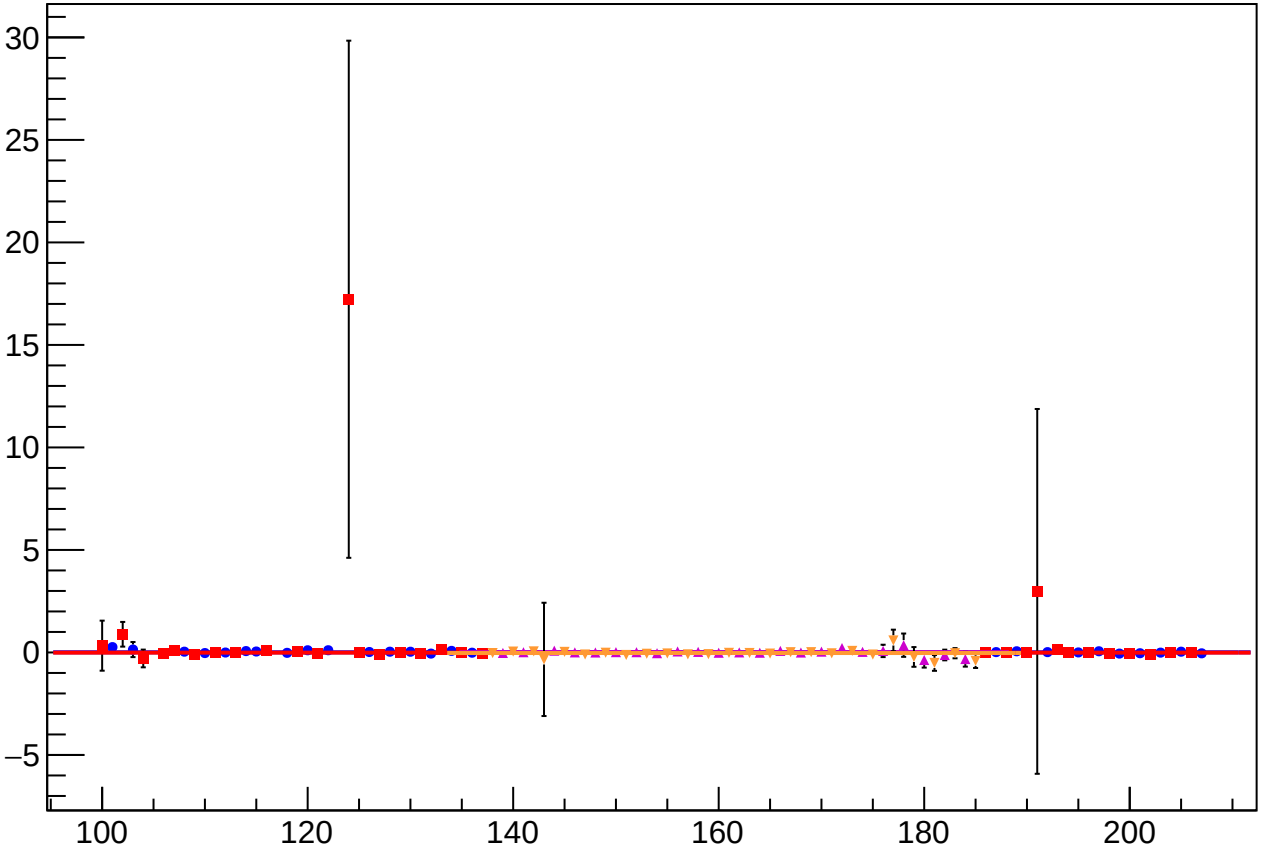
Right: 0.000+/-0.000 χ^2/NDF: 16121498.1/56

In: 0.000+/-0.000 χ^2/NDF:9549407.0/48

Out: 0.000+/-0.000 χ^2/NDF:13036538.2/55

All: 0.000+/-0.000 χ^2/NDF: 22613319.4/104

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.012 χ^2/NDF: 15.7/25

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

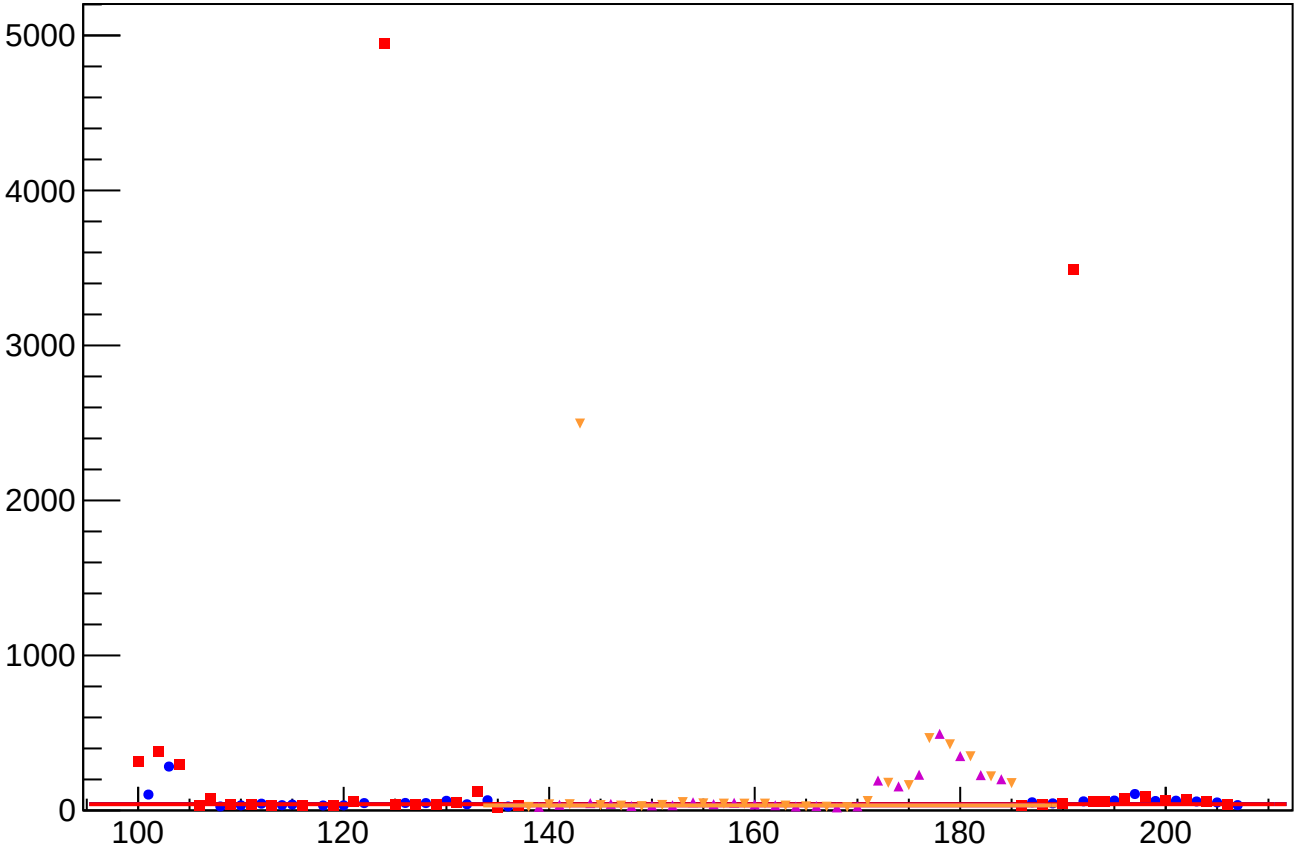
Right: -0.001+/-0.009 χ^2/NDF: 39.3/56

In: 0.010+/-0.008 χ^2/NDF:28.9/48

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.4/104

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.642+/-0.009 χ^2/NDF: 4071459.2/25

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

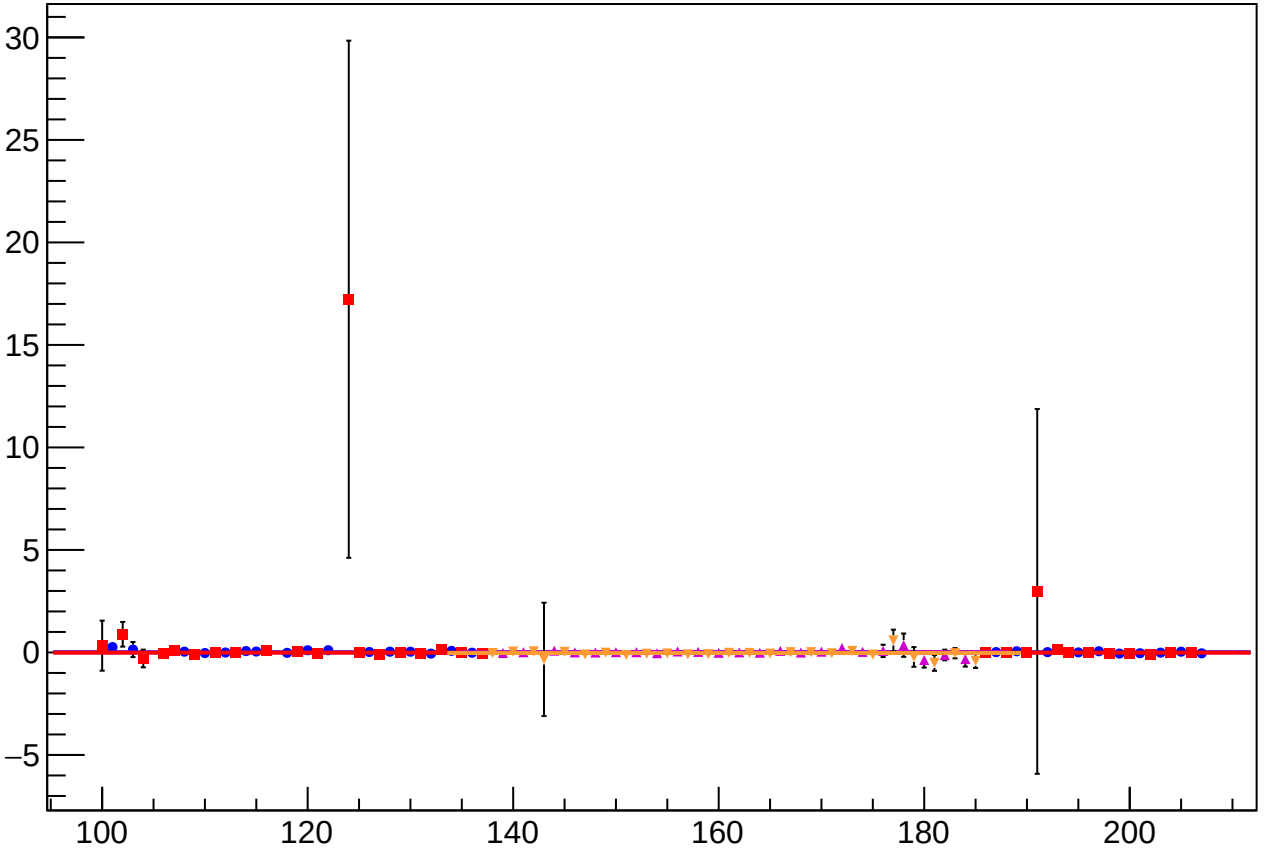
Right: 40.974+/-0.006 χ^2/NDF: 9498943.1/56

In: 36.036+/-0.005 χ^2/NDF:13685550.6/48

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.830+/-0.004 χ^2/NDF: 30508267.5/104

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.012 χ^2/NDF: 15.7/25

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

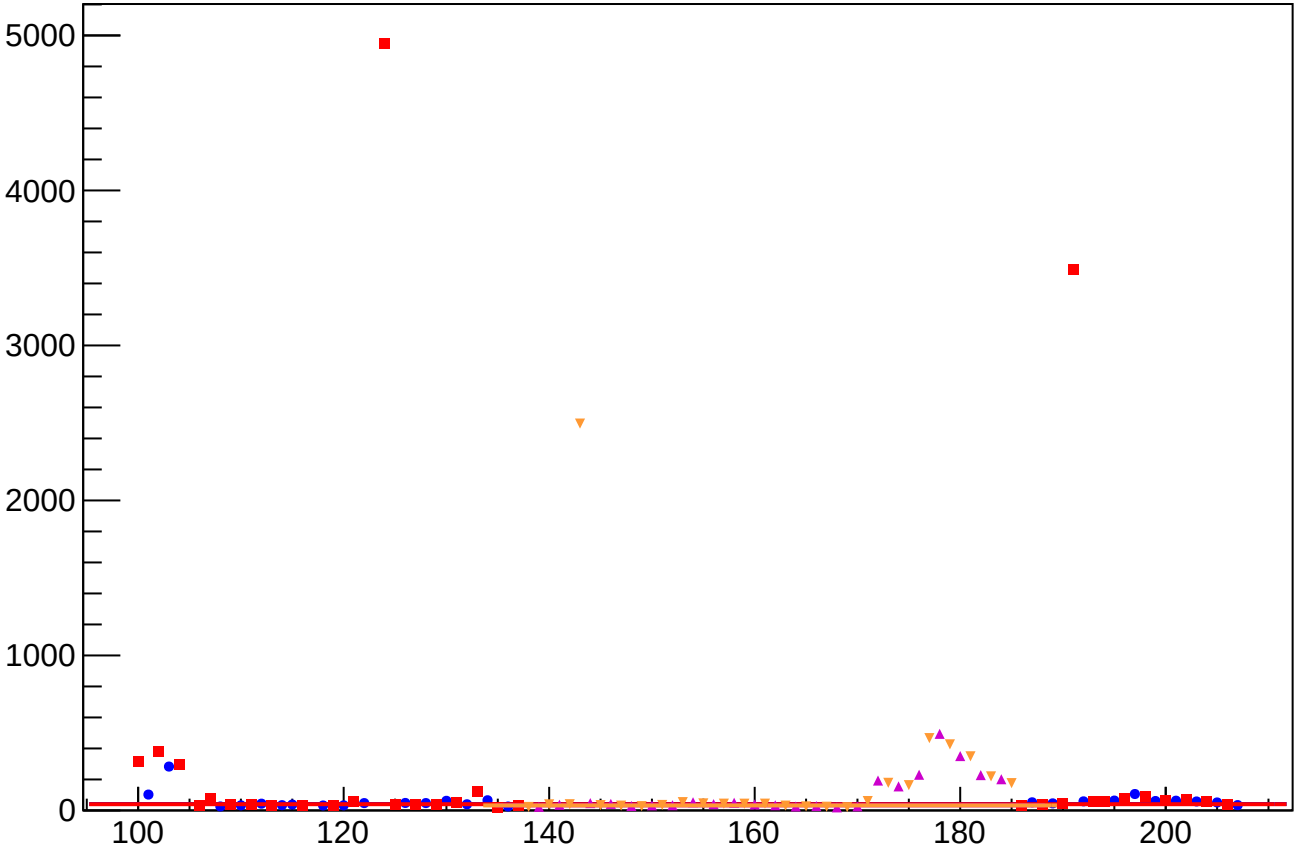
Right: -0.001+/-0.009 χ^2/NDF: 39.3/56

In: 0.010+/-0.008 χ^2/NDF:28.9/48

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.4/104

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.642+/-0.009 χ^2/NDF: 4071459.2/25

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

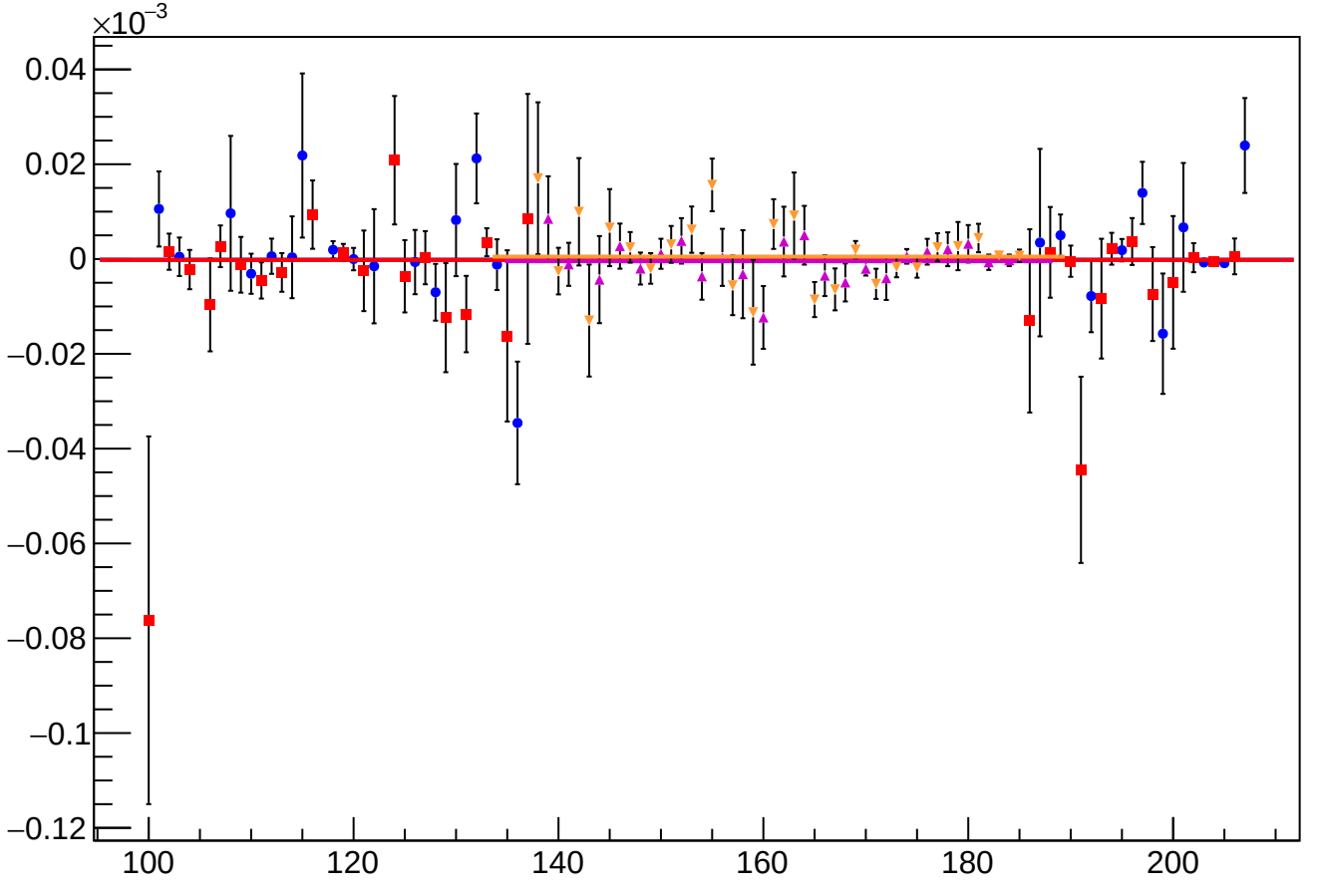
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.974+/-0.006 χ^2/NDF: 9498943.1/56

In: 36.036+/-0.005 χ^2/NDF:13685550.6/48

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.830+/-0.004 χ^2/NDF: 30508267.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/25

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

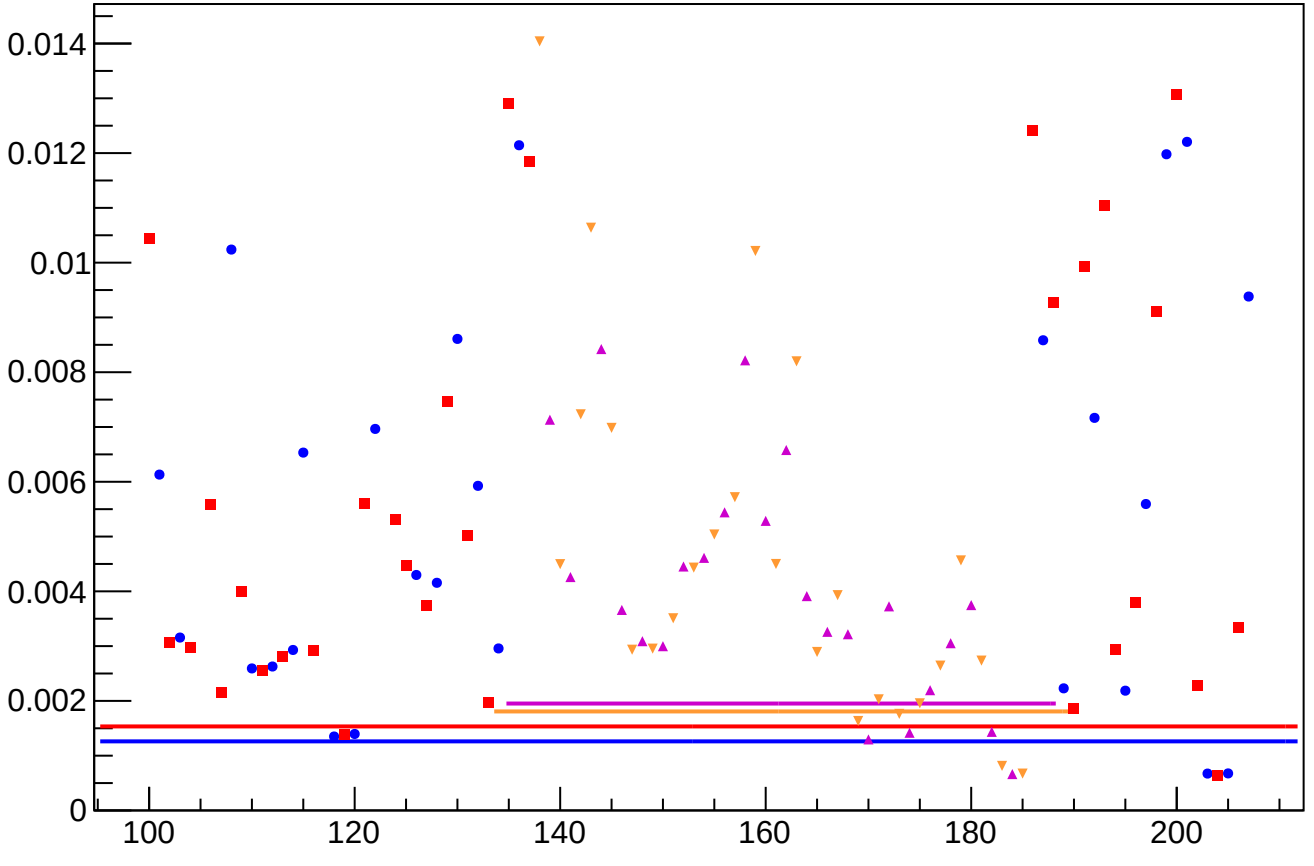
Right: -0.000+/-0.000 χ^2/NDF: 62.3/56

In: -0.000+/-0.000 χ^2/NDF:50.0/48

Out: 0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 113.3/104

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: 15330246.8/25

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

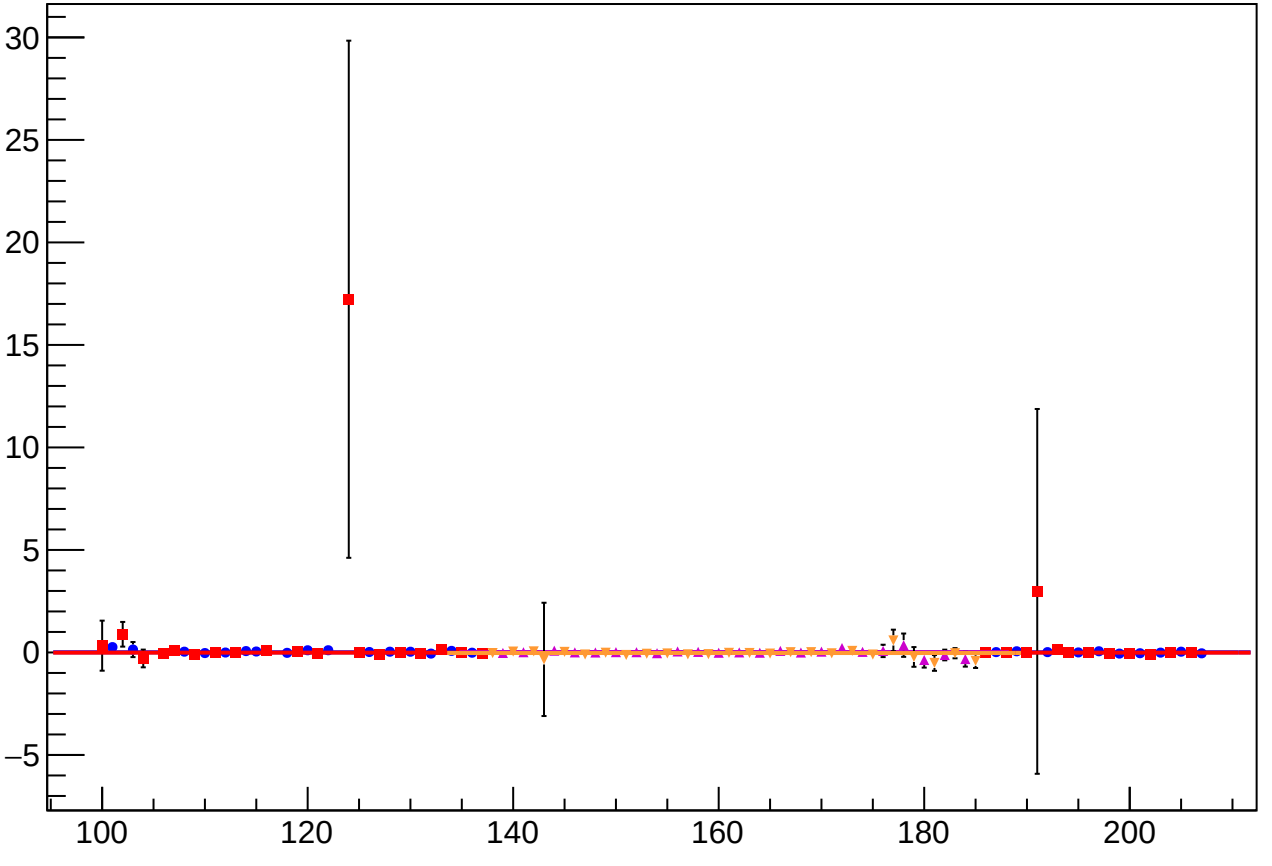
Right: 0.001+/-0.000 χ^2/NDF: 30996895.5/56

In: 0.002+/-0.000 χ^2/NDF:28365554.4/48

Out: 0.002+/-0.000 χ^2/NDF:30596050.0/55

All: 0.002+/-0.000 χ^2/NDF: 59045619.7/104

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.012 χ^2/NDF: 15.7/25

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

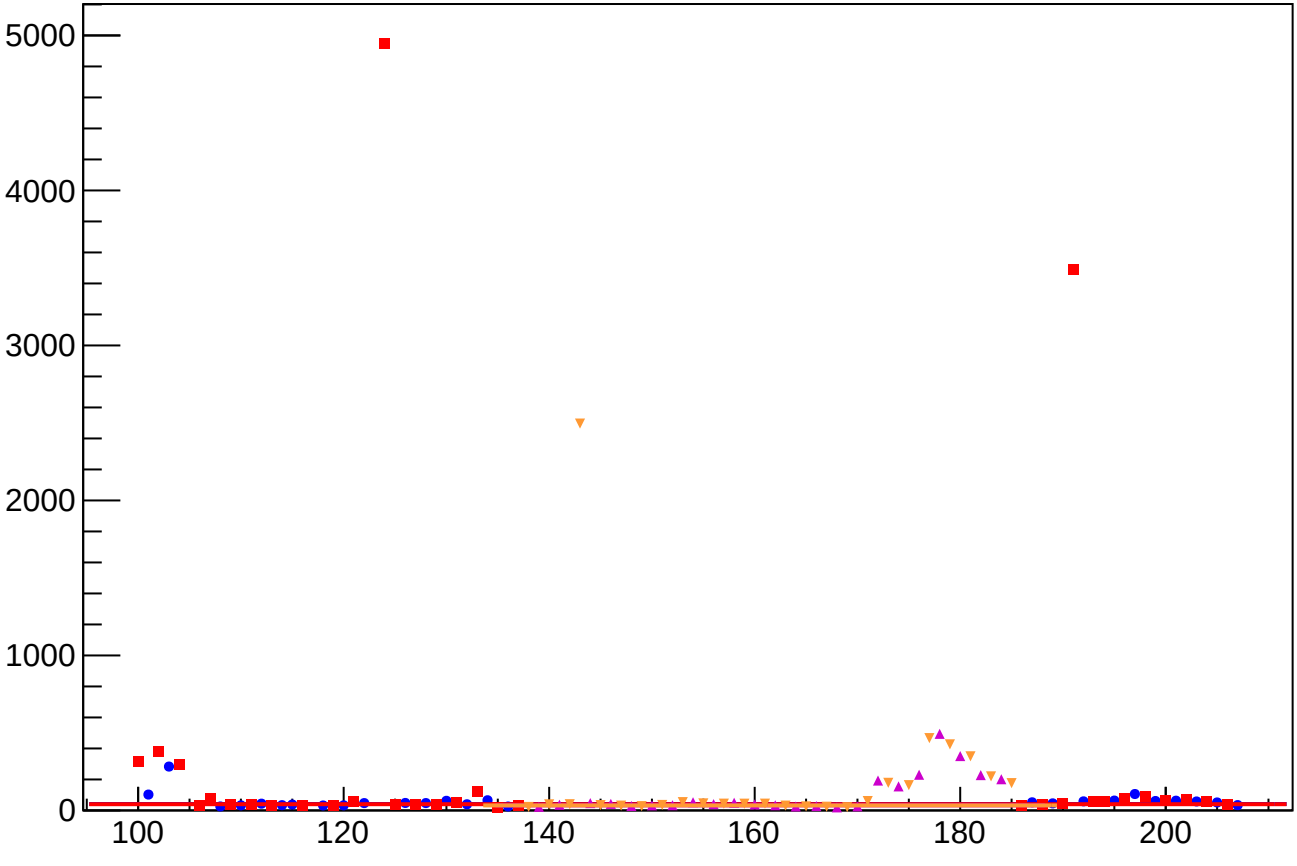
Right: -0.001+/-0.009 χ^2/NDF: 39.3/56

In: 0.010+/-0.008 χ^2/NDF:28.9/48

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.4/104

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.643+/-0.009 χ^2/NDF: 4071035.7/25

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

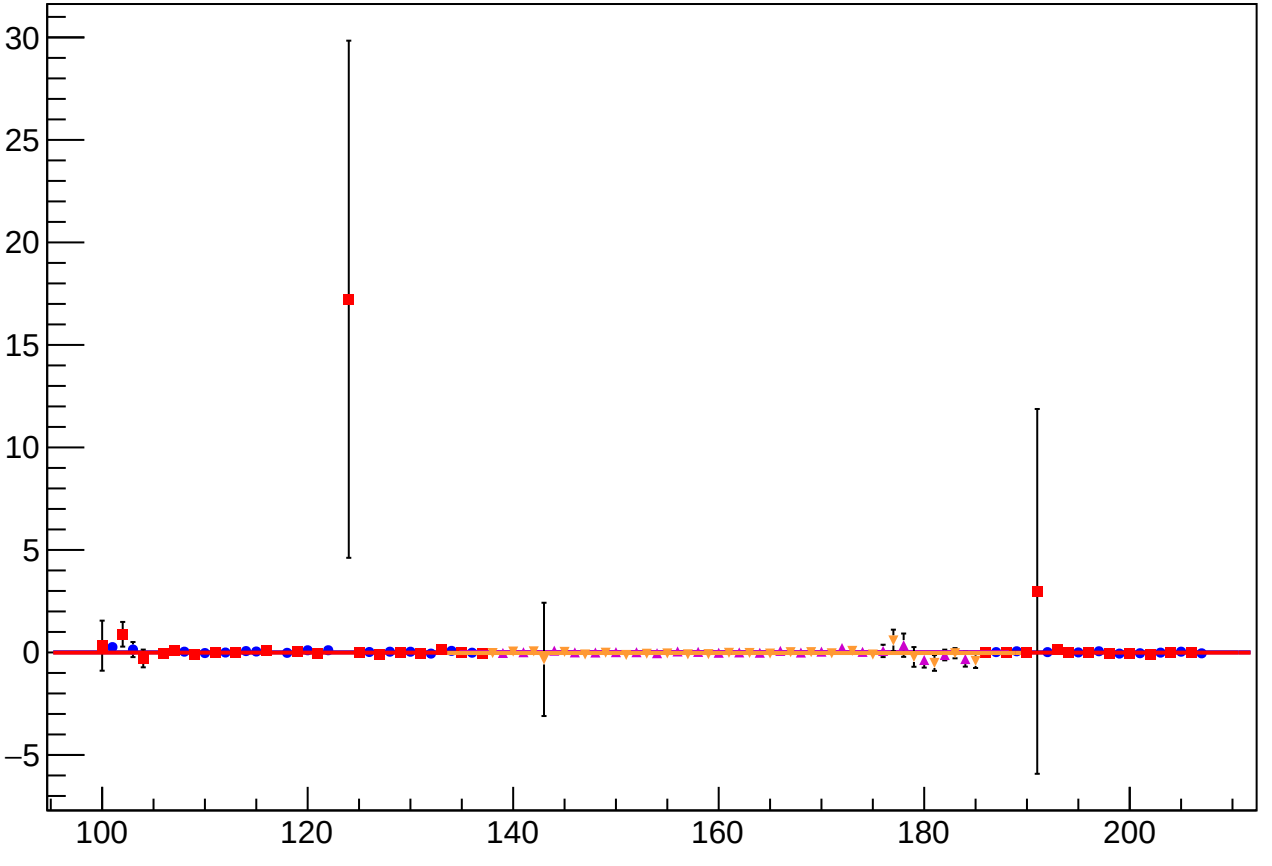
Right: 40.974+/-0.006 χ^2/NDF: 9498323.2/56

In: 36.036+/-0.005 χ^2/NDF:13686030.5/48

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.830+/-0.004 χ^2/NDF: 30508827.5/104

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.012 χ^2/NDF: 15.7/25

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

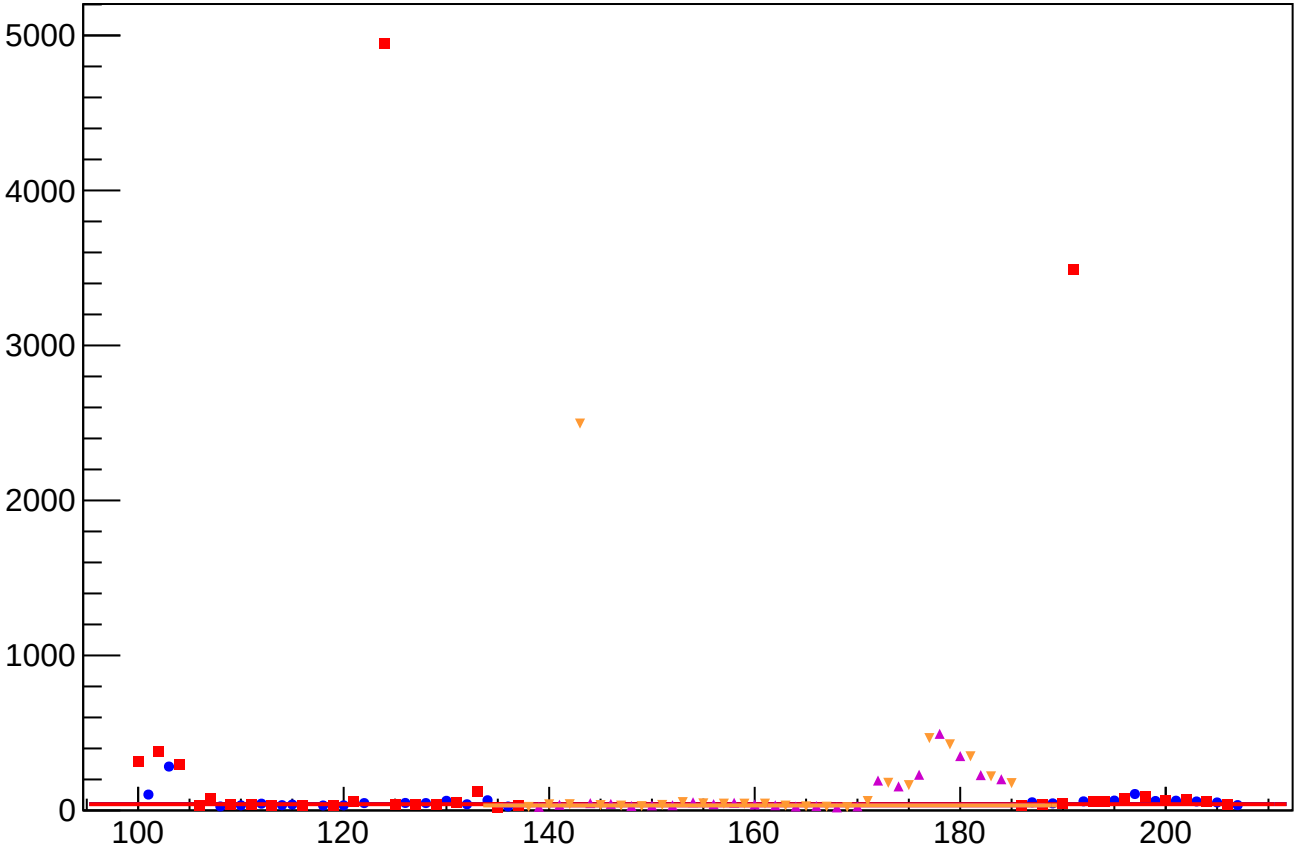
Right: -0.001+/-0.009 χ^2/NDF: 39.3/56

In: 0.010+/-0.008 χ^2/NDF:28.9/48

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.4/104

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.643+/-0.009 χ^2/NDF: 4071035.7/25

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

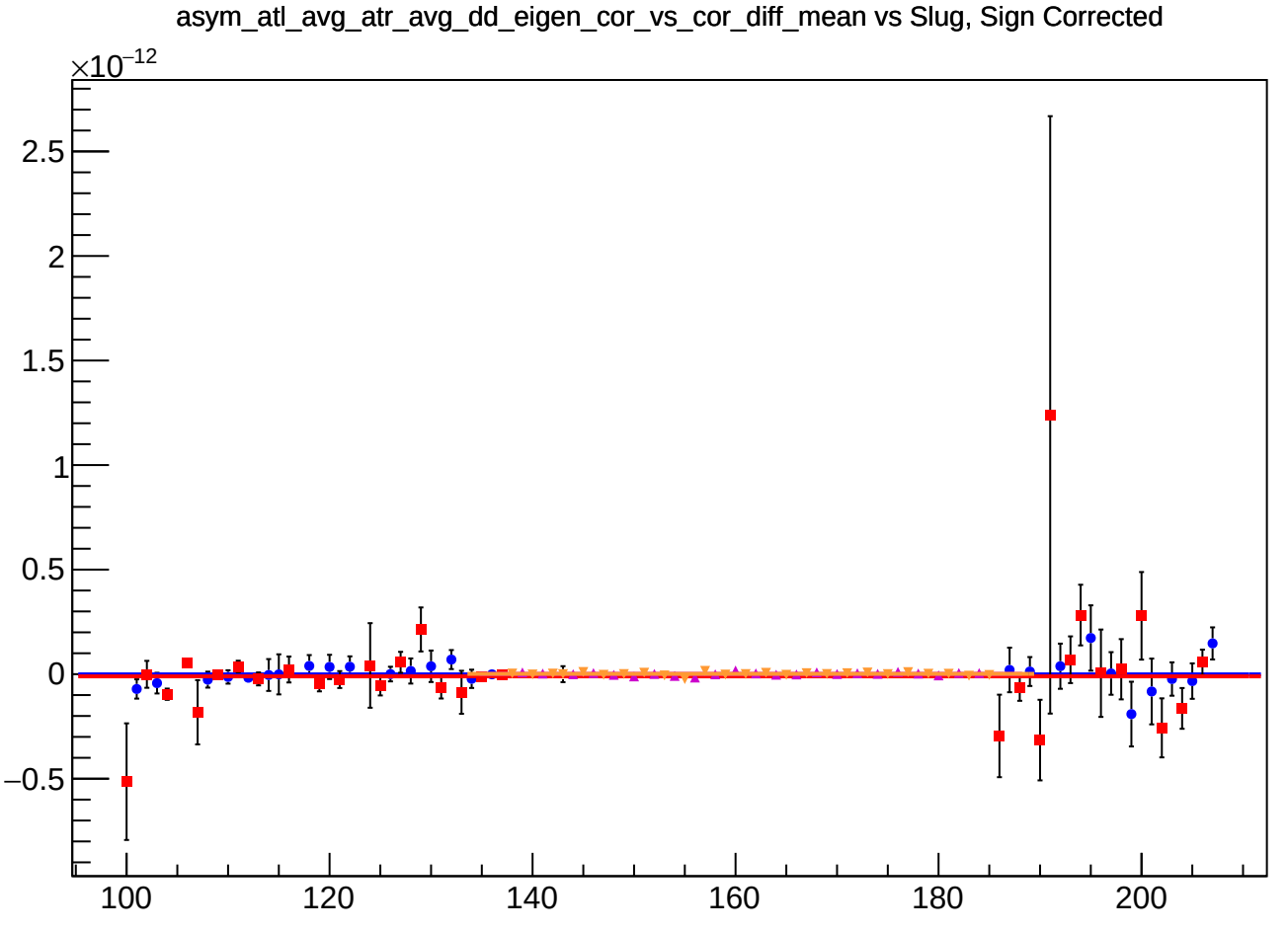
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.974+/-0.006 χ^2/NDF: 9498323.2/56

In: 36.036+/-0.005 χ^2/NDF:13686030.5/48

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.830+/-0.004 χ^2/NDF: 30508827.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/25

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

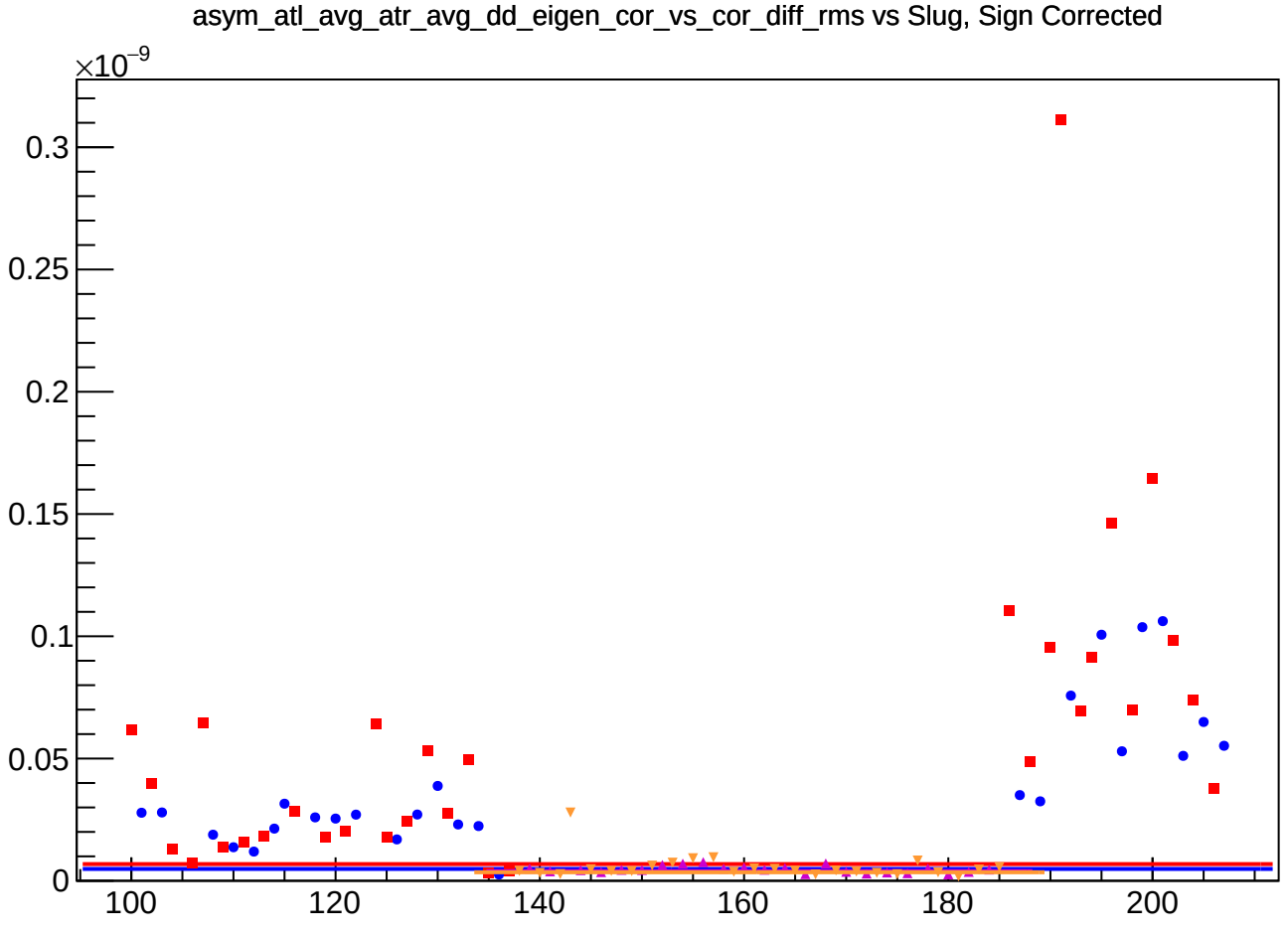
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 78.1/56

In: 0.000+/-0.000 χ^2/NDF:44.9/48

Out: 0.000+/-0.000 χ^2/NDF:85.1/55

All: 0.000+/-0.000 χ^2/NDF: 130.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 11876779.1/25

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

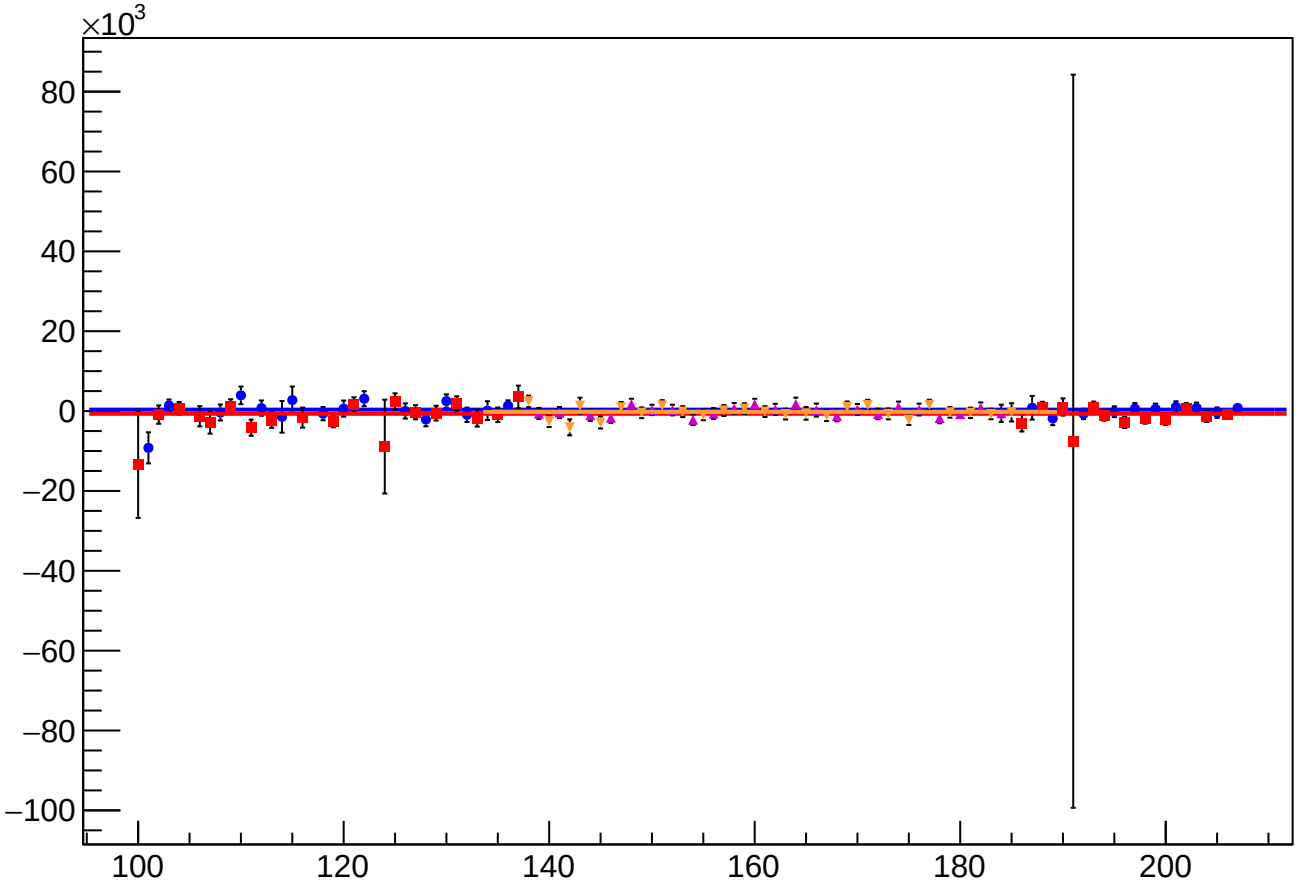
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 25046437.1/56

In: 0.000+/-0.000 χ^2/NDF:14070277.8/48

Out: 0.000+/-0.000 χ^2/NDF:18804712.5/55

All: 0.000+/-0.000 χ^2/NDF: 32995049.3/104



Right In: 359.873+/-328.263 χ^2/NDF: 20.7/25

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

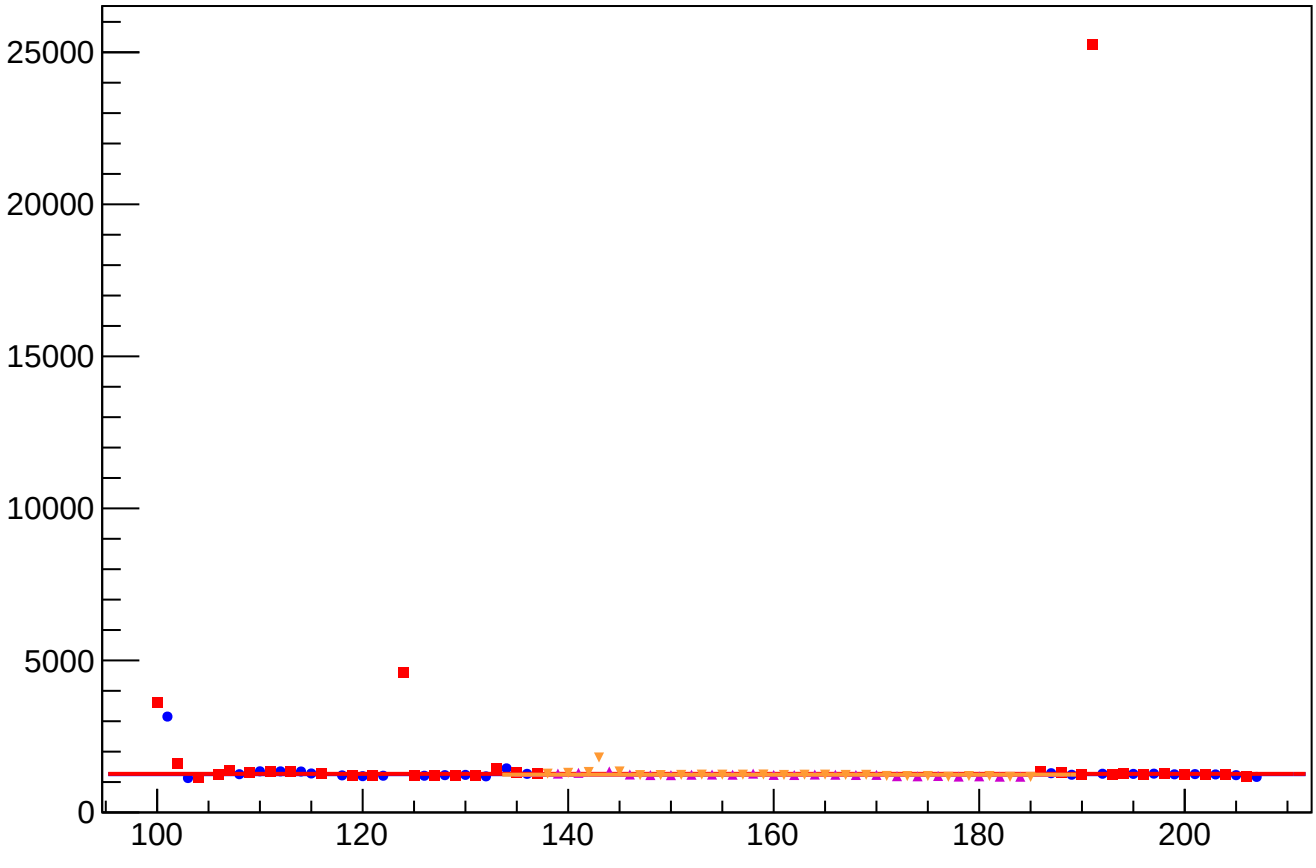
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -175.767+/-228.801 χ^2/NDF: 53.2/56

In: 104.479+/-216.583 χ^2/NDF:36.4/48

Out: -423.796+/-211.745 χ^2/NDF:52.4/55

All: -165.623+/-151.408 χ^2/NDF: 91.9/104



Right In: 1258.479+/-0.232 χ^2/NDF: 533843.3/25

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

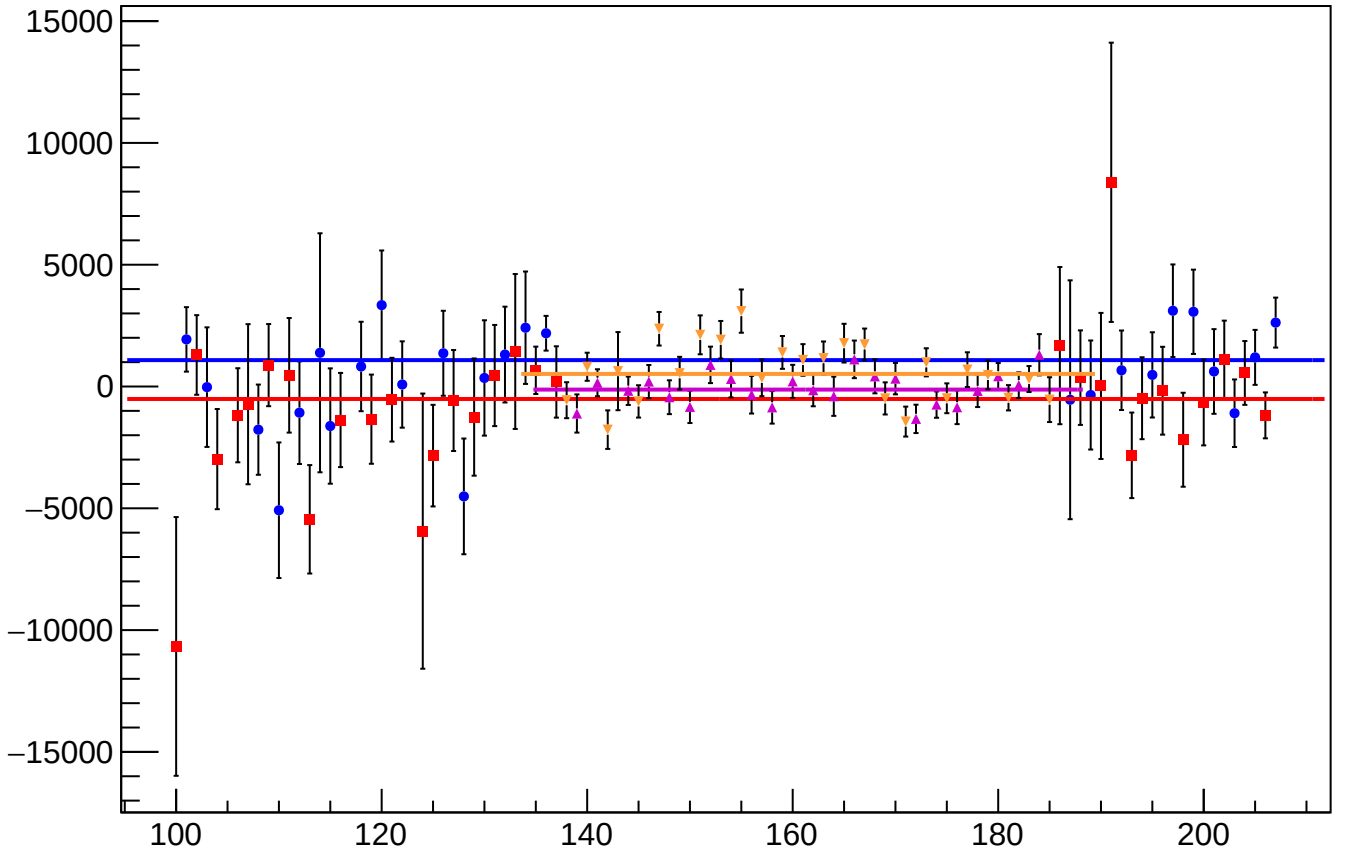
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.239+/-0.162 χ^2/NDF: 1021283.7/56

In: 1244.516+/-0.153 χ^2/NDF:579533.0/48

Out: 1254.652+/-0.150 χ^2/NDF:697470.8/55

All: 1249.698+/-0.107 χ^2/NDF: 1279243.5/10



Right In: 1083.297+/-321.817 χ^2/NDF: 28.0/25

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

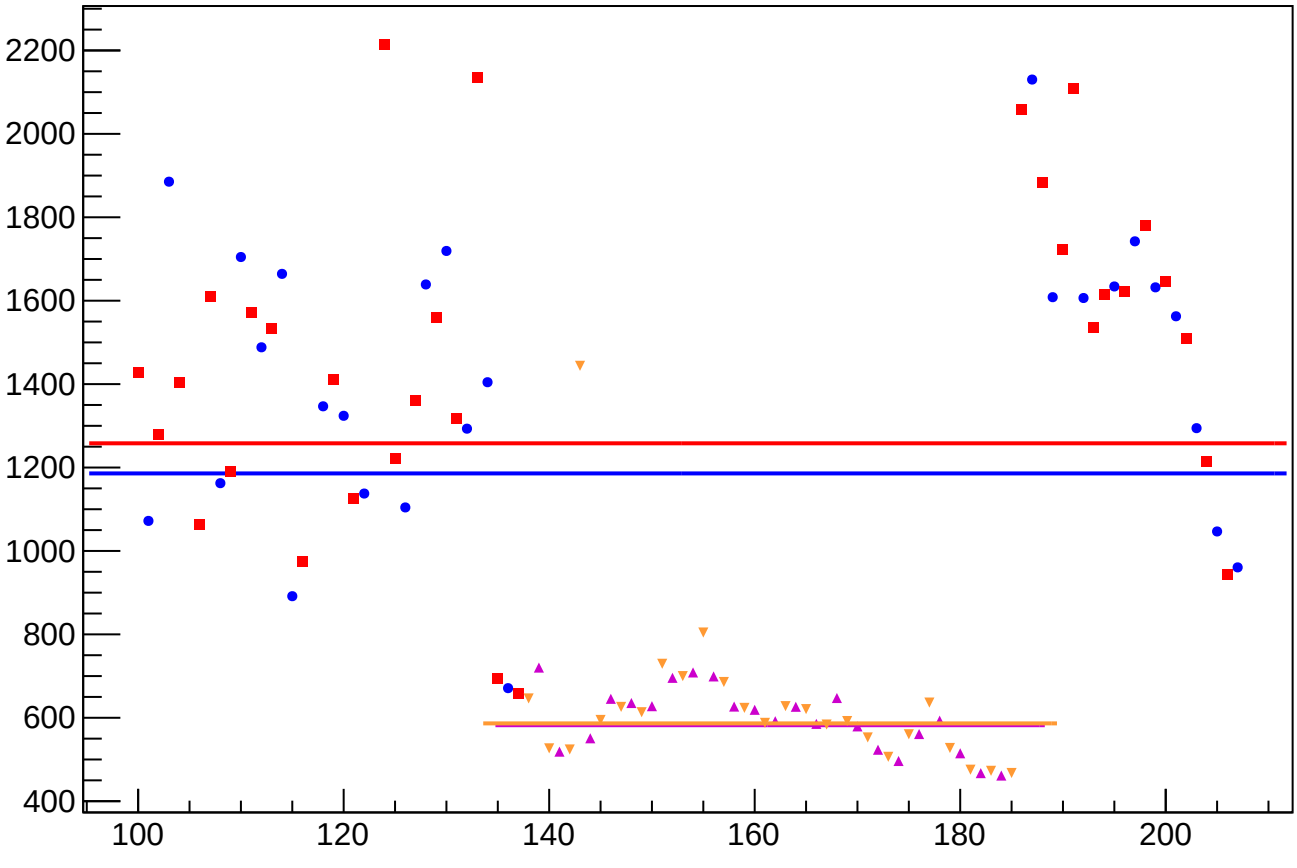
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 298.435+/-229.393 χ^2/NDF: 65.1/56

In: 59.663+/-126.261 χ^2/NDF:61.5/48

Out: 365.580+/-125.376 χ^2/NDF:100.5/55

All: 213.696+/-88.965 χ^2/NDF: 164.9/104



Right In: 1185.886+/-0.228 χ^2/NDF: 2555007.3/25

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

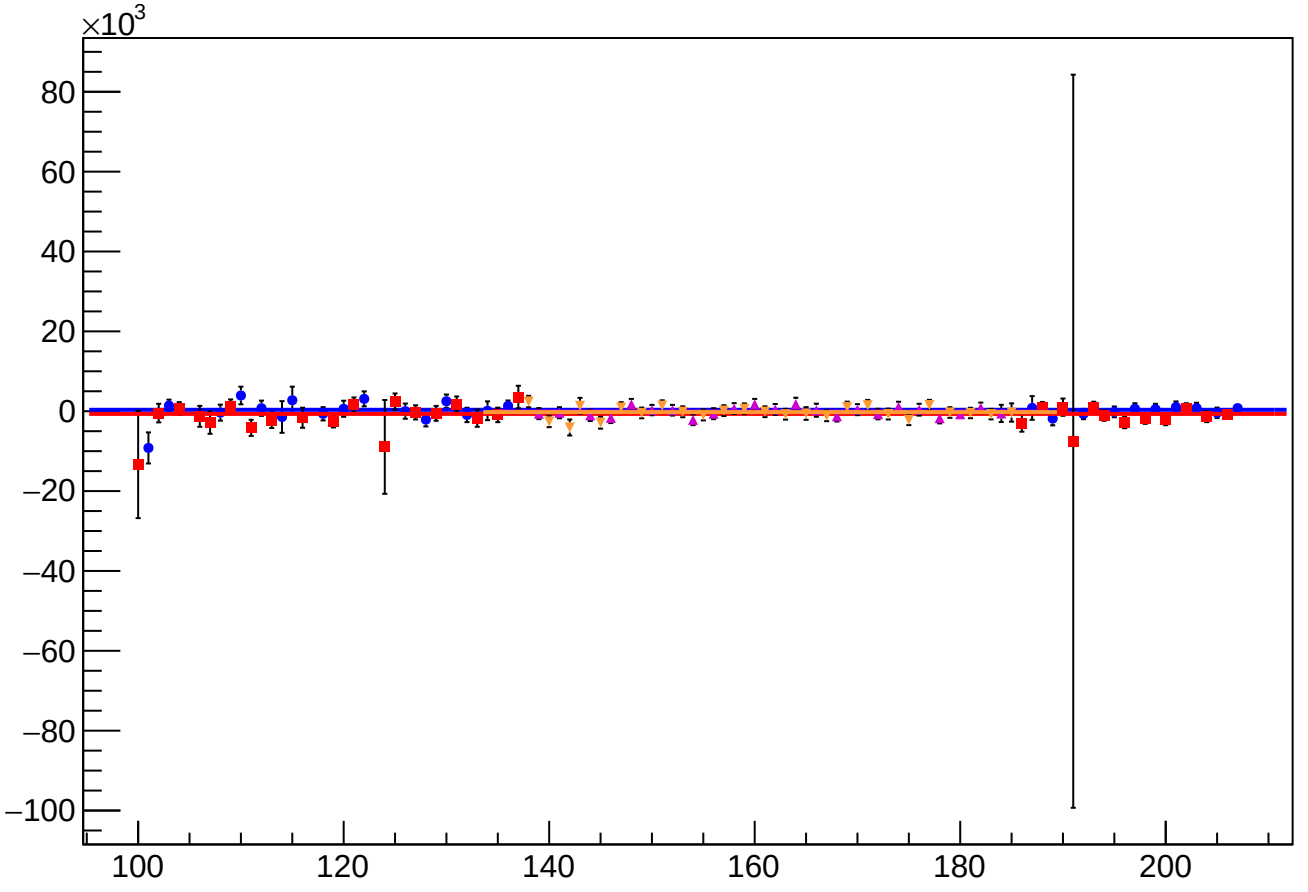
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1221.398+/-0.162 χ^2/NDF: 5215537.9/56

In: 675.116+/-0.089 χ^2/NDF:9068900.8/48

Out: 685.235+/-0.089 χ^2/NDF:11005995.2/55

All: 680.211+/-0.063 χ^2/NDF: 20081364.2/10



Right In: 360.079+/-328.263 χ^2/NDF: 20.6/25

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

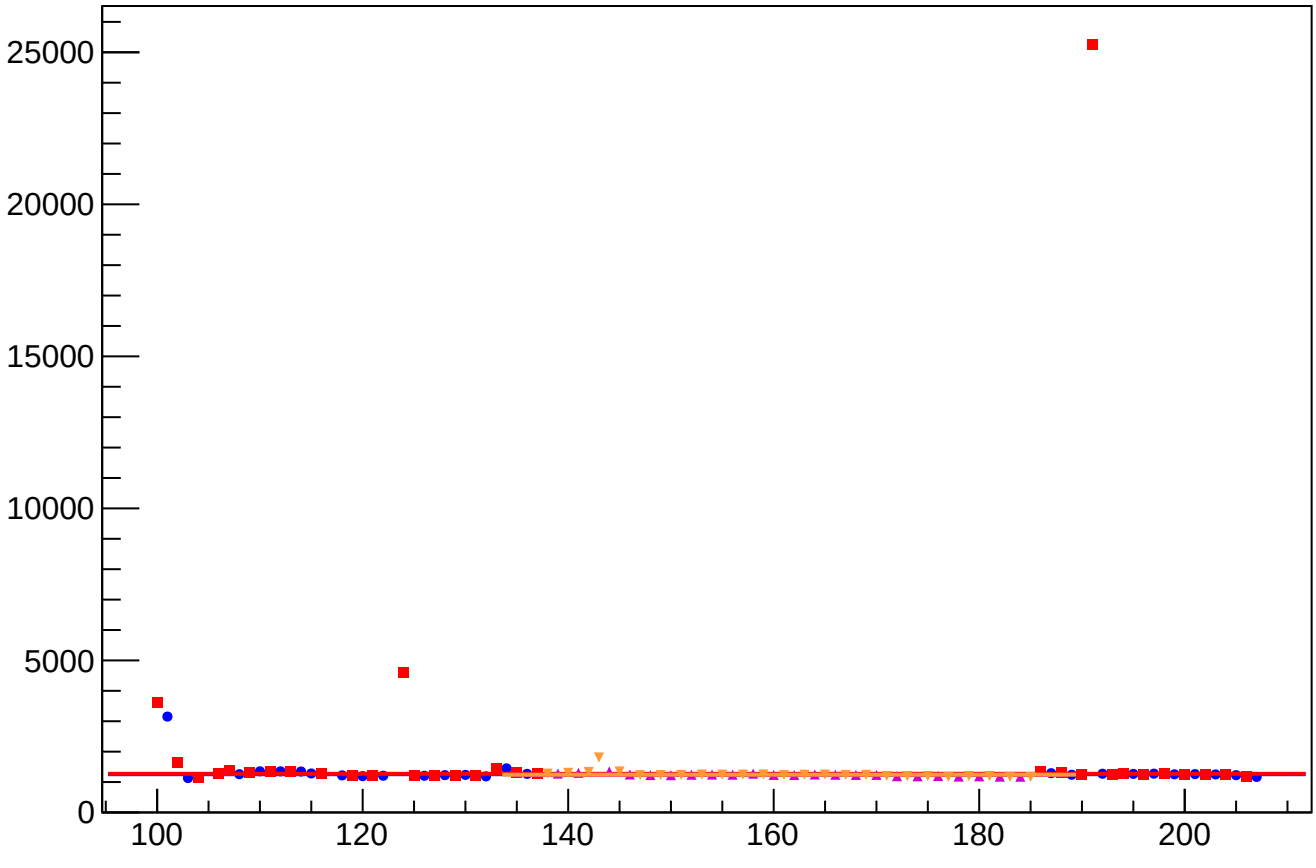
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -170.762+/-228.889 χ^2/NDF: 53.1/56

In: 104.529+/-216.583 χ^2/NDF:36.4/48

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -163.458+/-151.433 χ^2/NDF: 91.8/104



Right In: 1258.479+/-0.232 χ^2/NDF: 533844.7/25

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

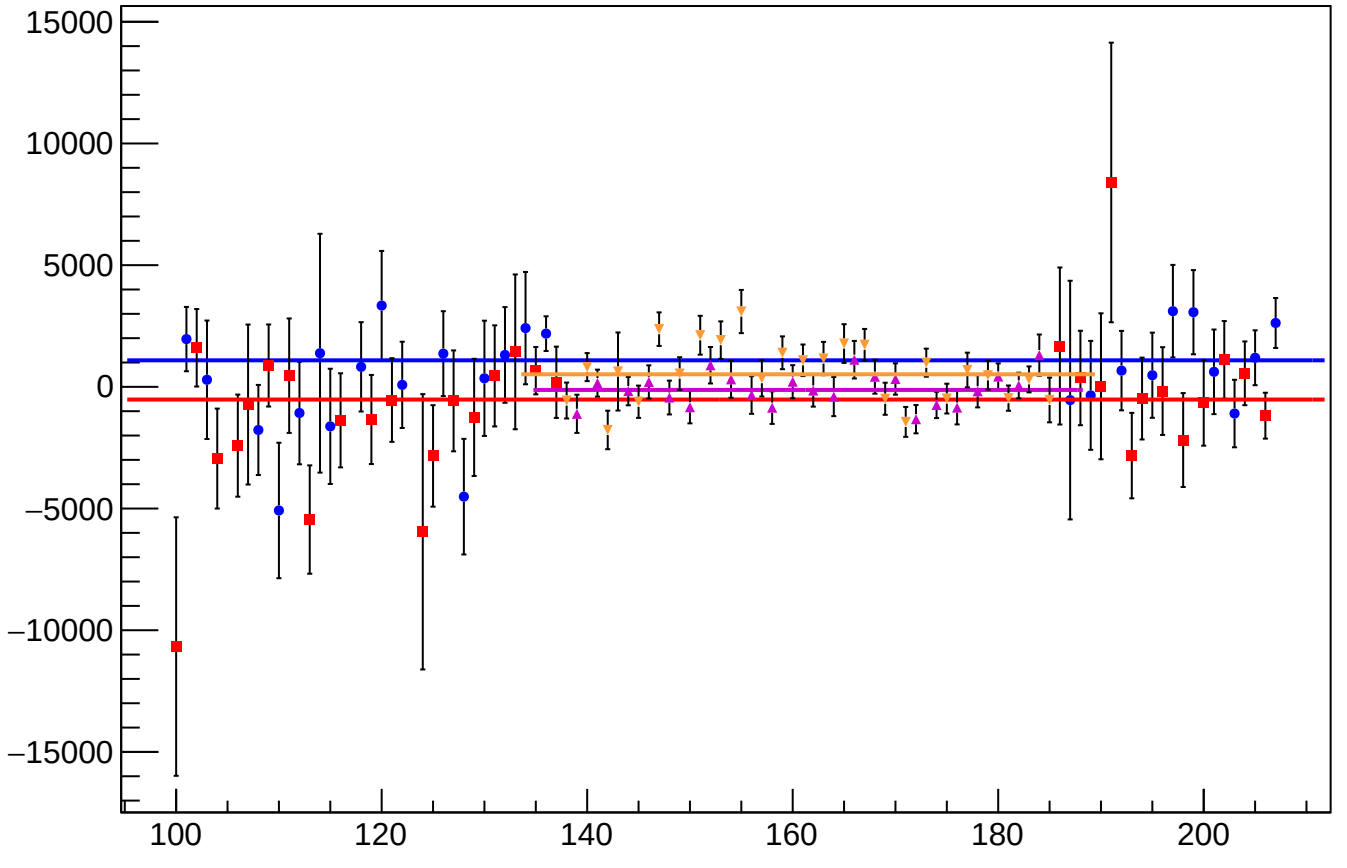
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1264.742+/-0.162 χ^2/NDF: 1028683.8/56

In: 1244.516+/-0.153 χ^2/NDF:579534.3/48

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1249.914+/-0.107 χ^2/NDF: 1287202.1/10



Right In: 1090.332+/-321.741 χ^2/NDF: 27.9/25

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

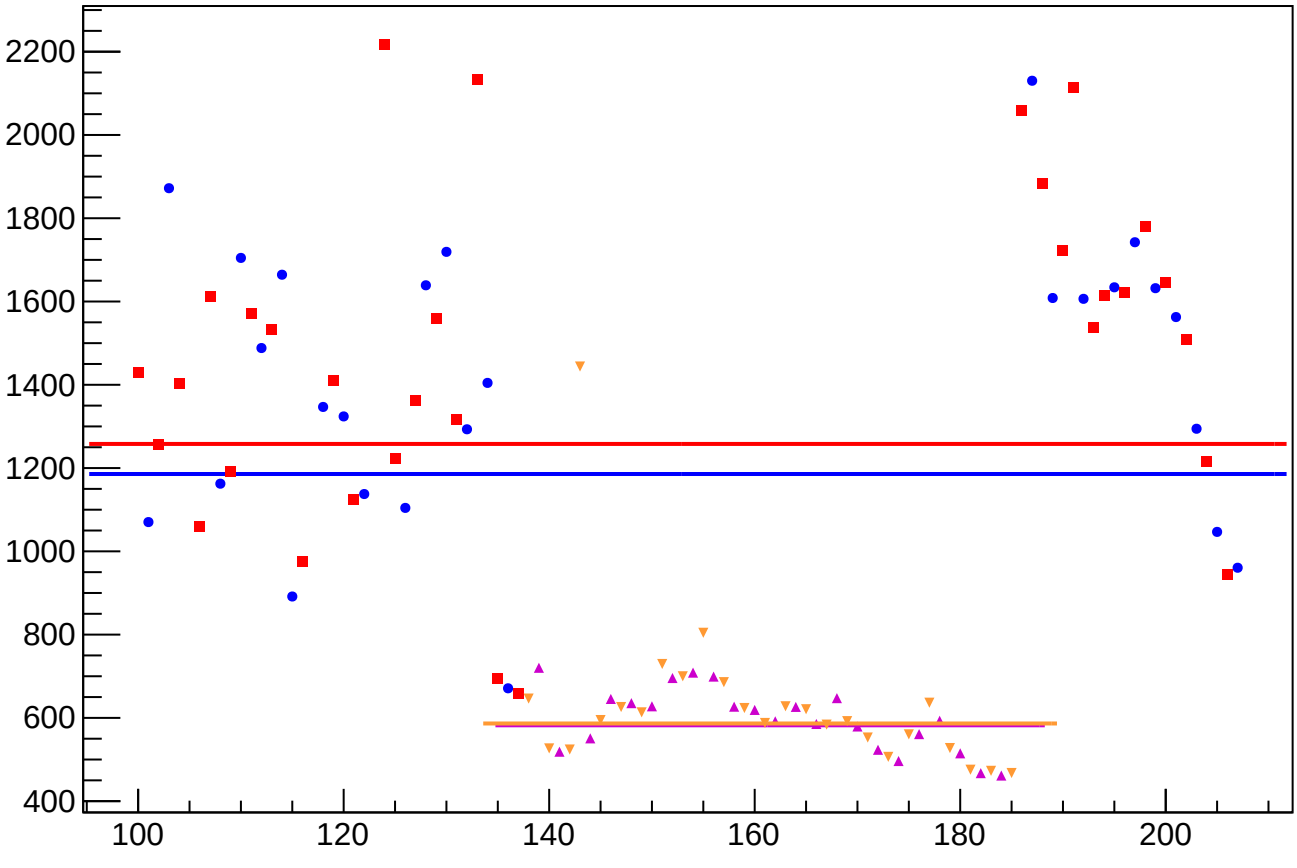
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 298.373+/-229.486 χ^2/NDF: 66.5/56

In: 60.836+/-126.256 χ^2/NDF:61.6/48

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 213.690+/-88.971 χ^2/NDF: 166.3/104



Right In: 1185.728+/-0.228 χ^2/NDF: 2552042.5/25

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

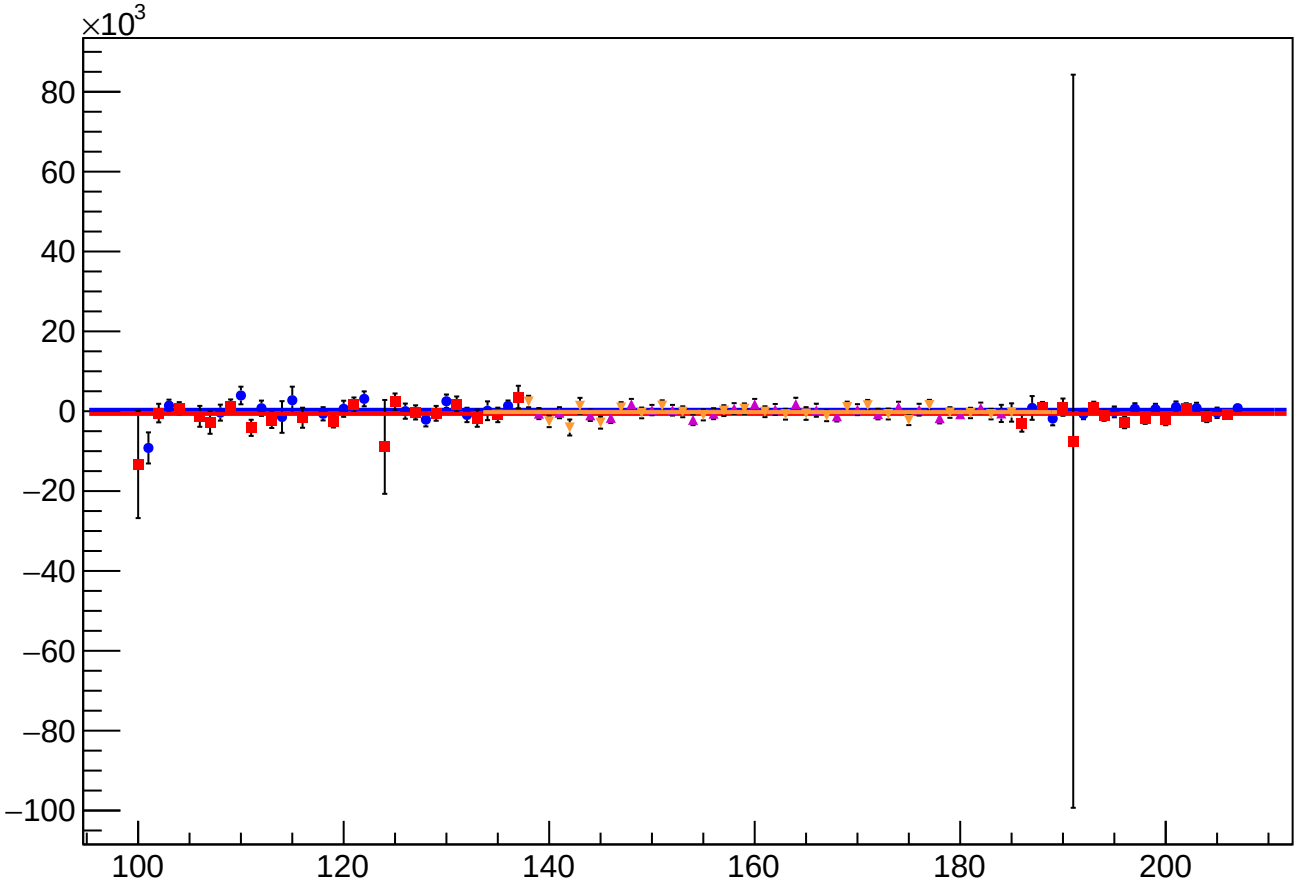
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1221.204+/-0.162 χ^2/NDF: 5210059.4/56

In: 675.127+/-0.089 χ^2/NDF:9065244.8/48

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 680.117+/-0.063 χ^2/NDF: 20058657.7/10



Right In: 360.079+/-328.263 χ^2/NDF: 20.6/25

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

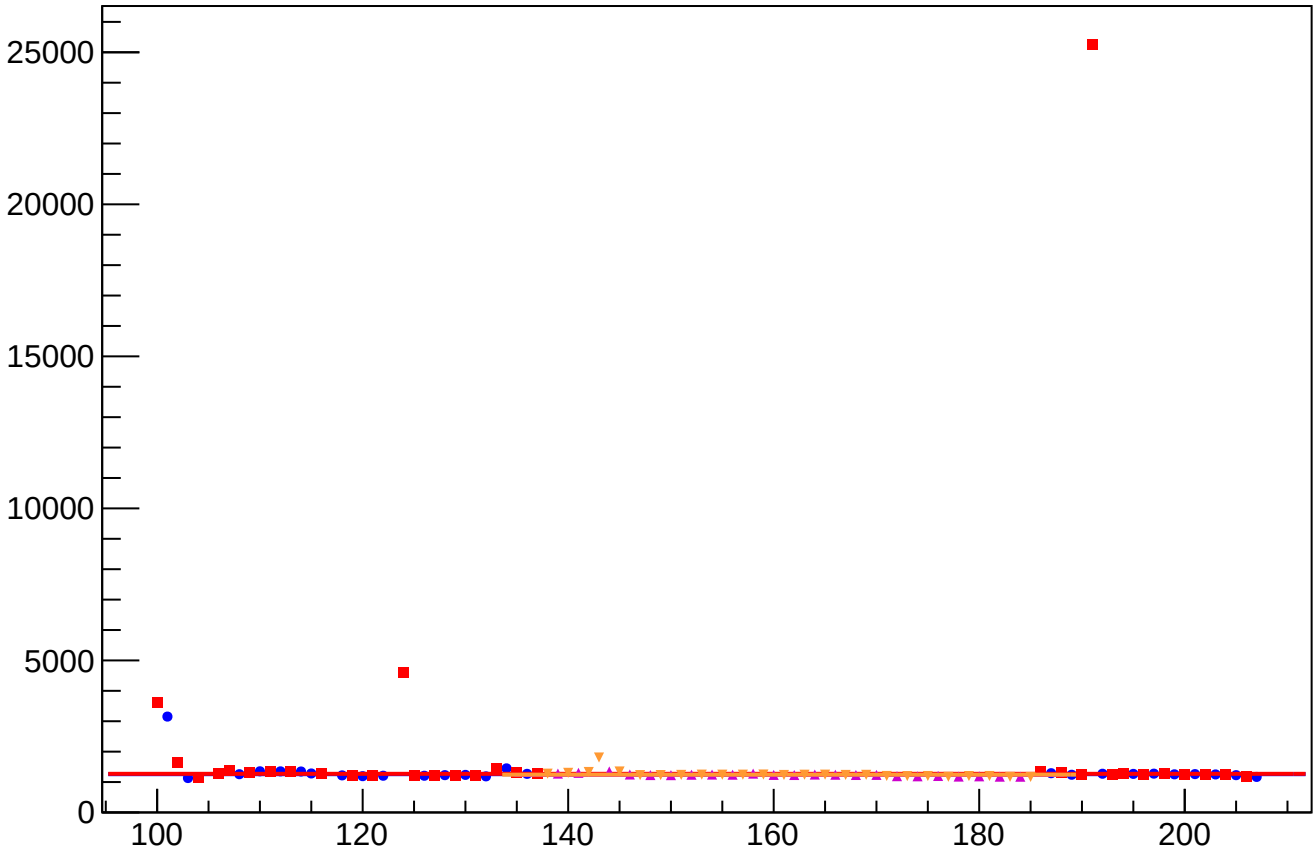
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -170.762+/-228.889 χ^2/NDF: 53.1/56

In: 104.529+/-216.583 χ^2/NDF:36.4/48

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -163.458+/-151.433 χ^2/NDF: 91.8/104



Right In: 1258.479+/-0.232 χ^2/NDF: 533844.7/25

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

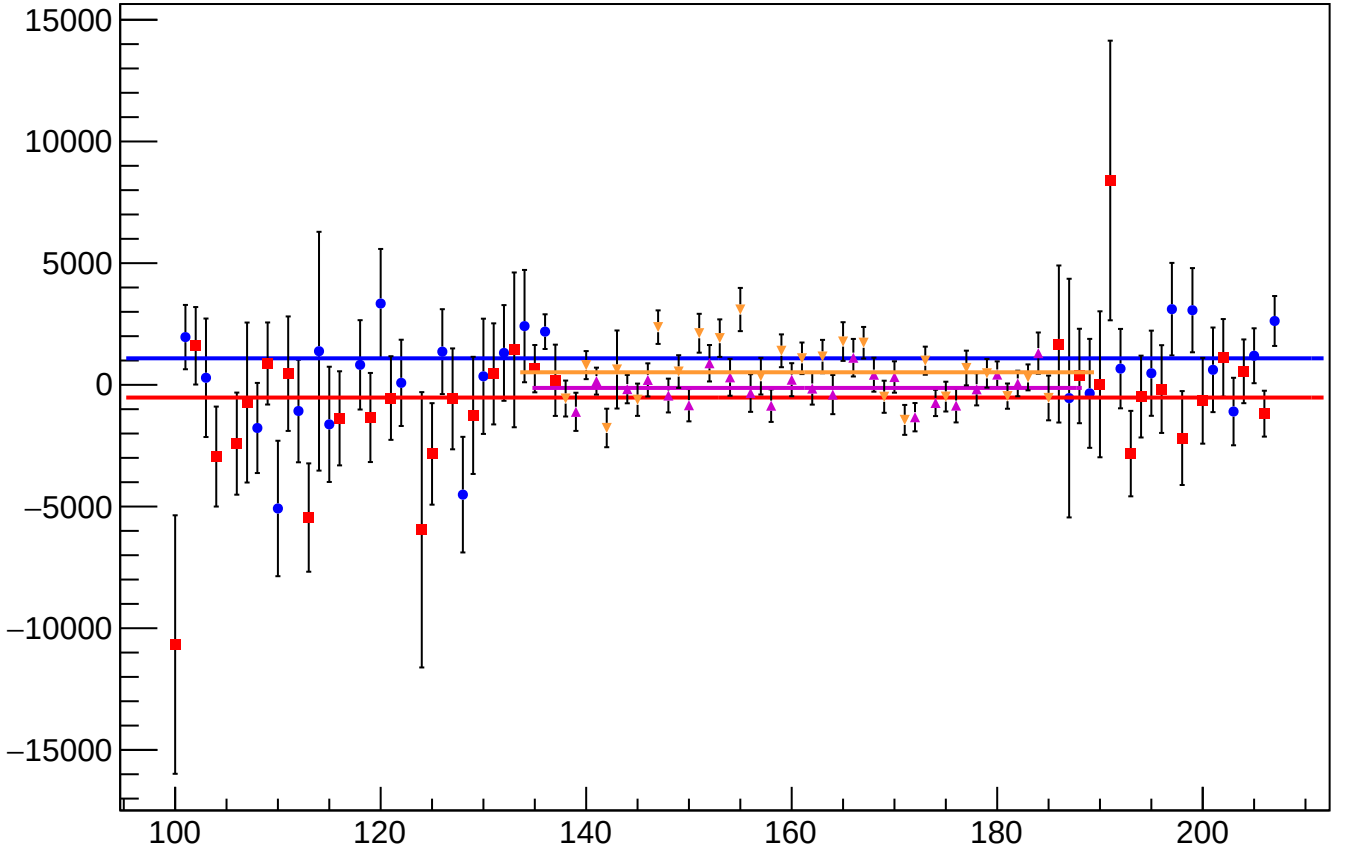
Right: 1264.742+/-0.162 χ^2/NDF: 1028683.8/56

In: 1244.516+/-0.153 χ^2/NDF:579534.3/48

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1249.914+/-0.107 χ^2/NDF: 1287202.1/10

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 1090.332+/-321.741 χ^2/NDF: 27.9/25

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

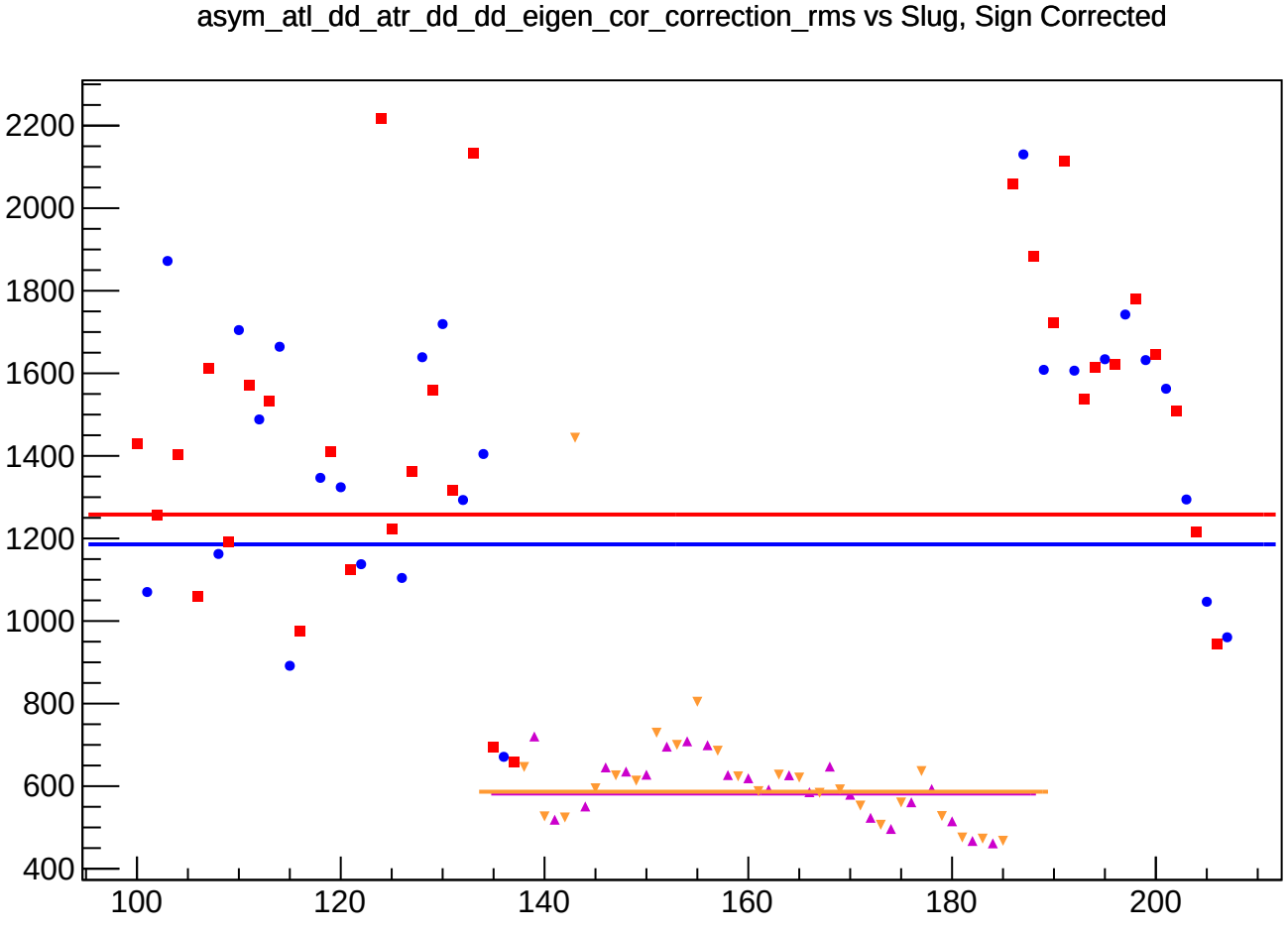
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 298.373+/-229.486 χ^2/NDF: 66.5/56

In: 60.836+/-126.256 χ^2/NDF:61.6/48

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 213.690+/-88.971 χ^2/NDF: 166.3/104



Right In: 1185.728+/-0.228 χ^2/NDF: 2552042.5/25

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

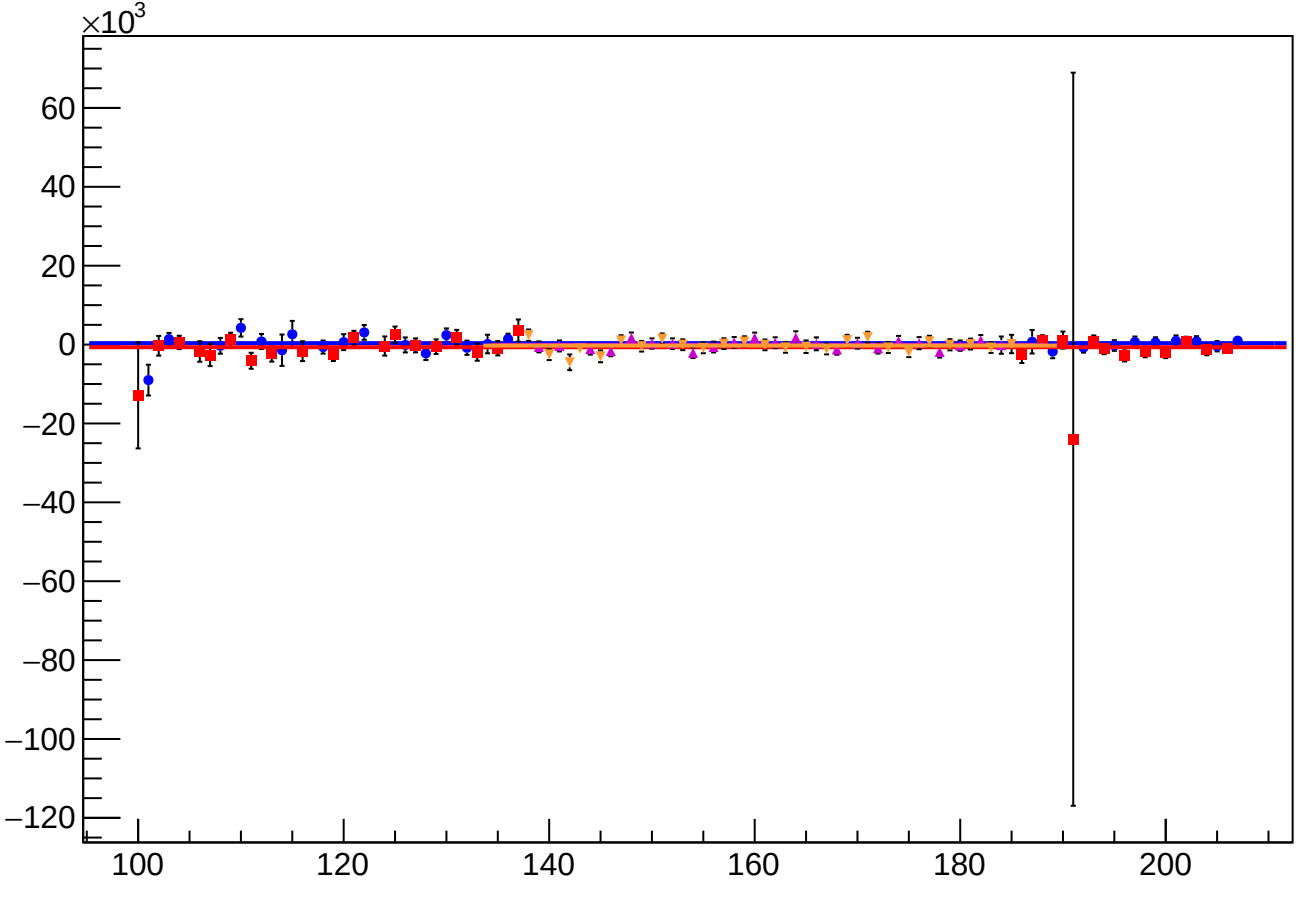
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1221.204+/-0.162 χ^2/NDF: 5210059.4/56

In: 675.127+/-0.089 χ^2/NDF:9065244.8/48

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 680.117+/-0.063 χ^2/NDF: 20058657.7/10



Right In: 362.916+/-329.469 χ^2/NDF: 20.8/25

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

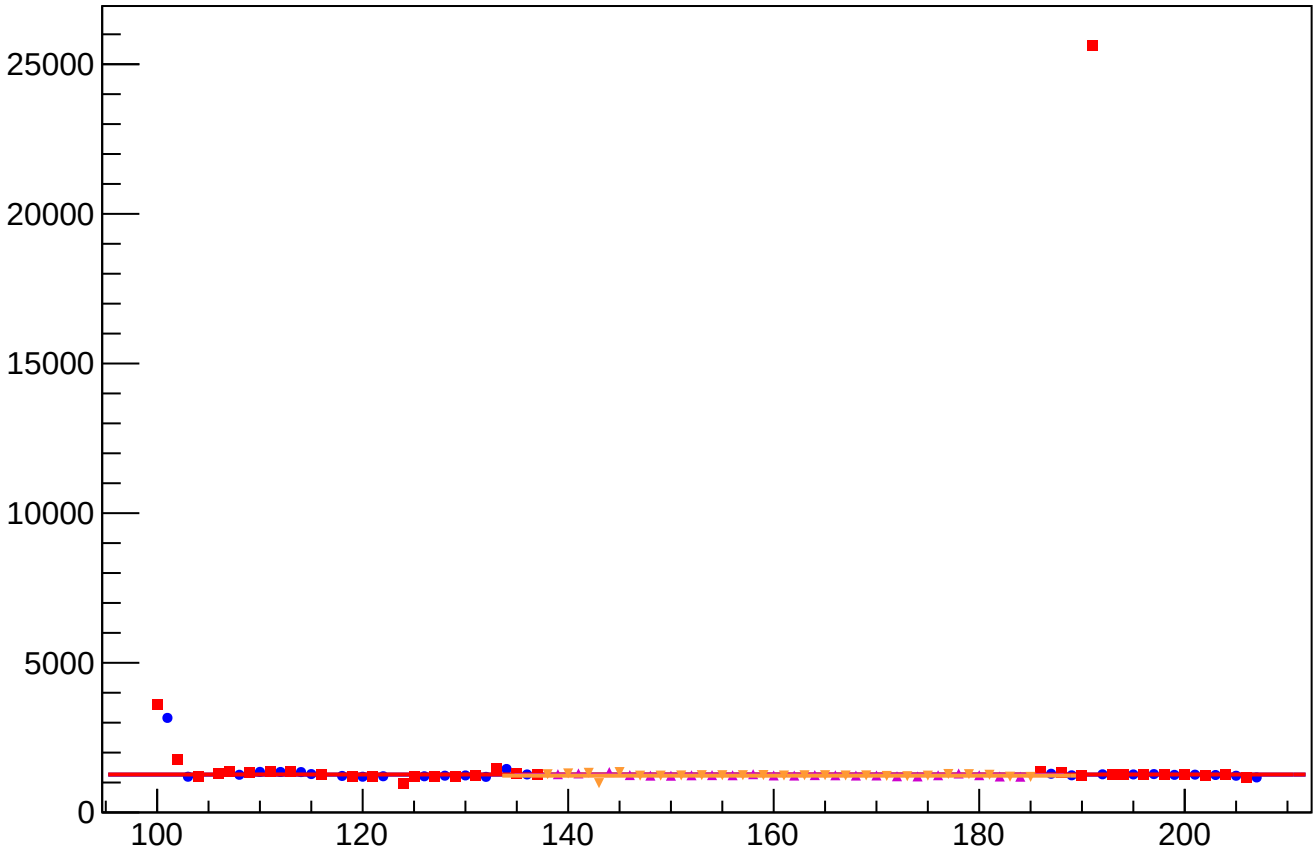
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -172.537+/-228.969 χ^2/NDF: 52.7/56

In: 117.317+/-218.299 χ^2/NDF:35.8/48

Out: -434.746+/-210.240 χ^2/NDF:51.9/55

All: -169.093+/-151.431 χ^2/NDF: 90.9/104



Right In: 1263.295+/-0.233 χ^2/NDF: 523813.5/25

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

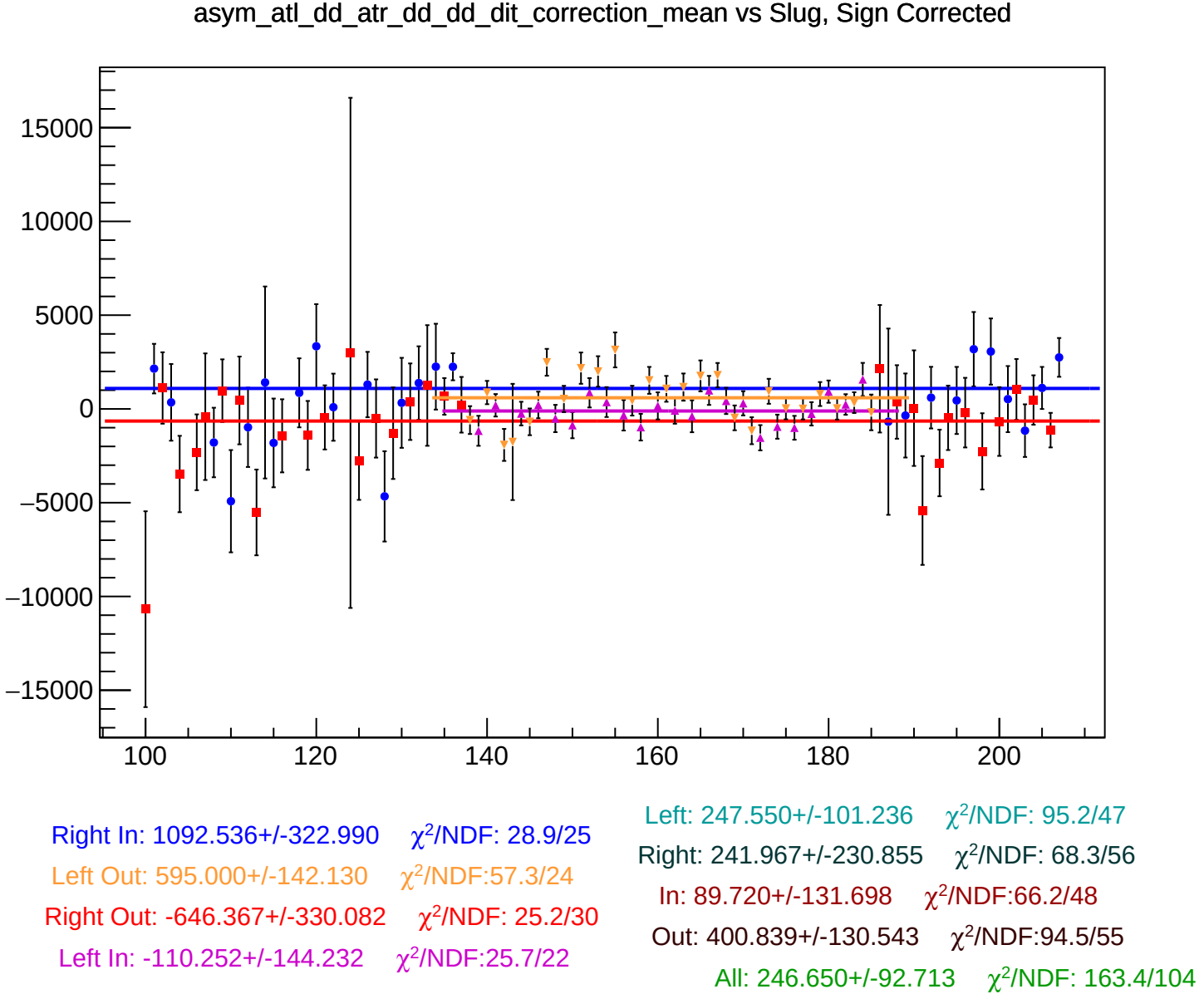
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1266.218+/-0.162 χ^2/NDF: 908742.7/56

In: 1254.594+/-0.154 χ^2/NDF:553640.7/48

Out: 1246.970+/-0.149 χ^2/NDF:543121.8/55

All: 1250.639+/-0.107 χ^2/NDF: 1098028.4/10


asym_atl_dd_atr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
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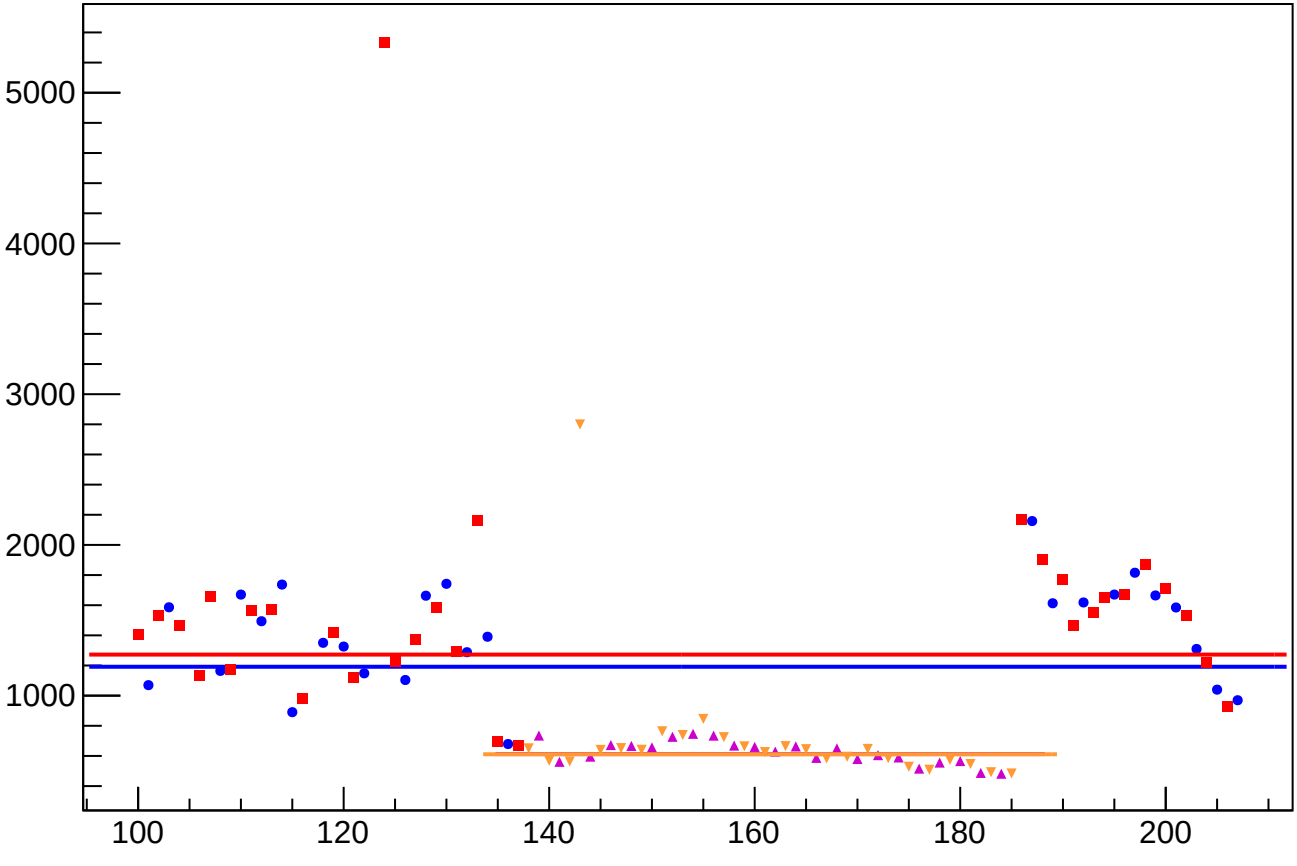
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 1092.536+/-322.990 χ²/NDF: 28.9/25
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -646.367+/-330.082 χ²/NDF: 25.2/30
Left In: -110.252+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 241.967+/-230.855 χ²/NDF: 68.3/56
In: 89.720+/-131.698 χ²/NDF:66.2/48
Out: 400.839+/-130.543 χ²/NDF:94.5/55
All: 246.650+/-92.713 χ²/NDF: 163.4/104

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 1191.699+/-0.228 χ^2/NDF: 2498397.2/25

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

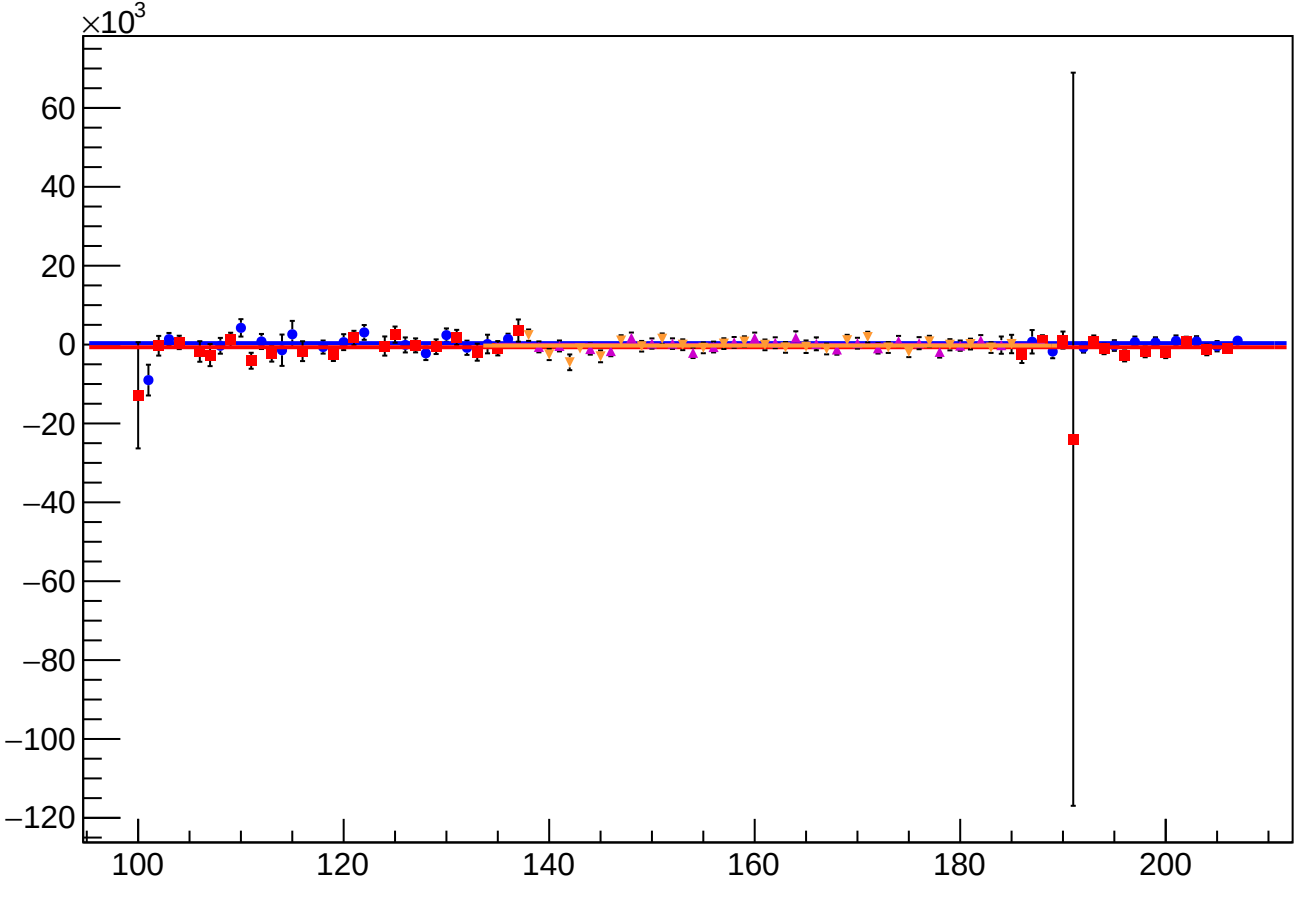
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1231.191+/-0.163 χ^2/NDF: 5459607.0/56

In: 708.711+/-0.093 χ^2/NDF:8371024.7/48

Out: 714.527+/-0.092 χ^2/NDF:11292361.1/55

All: 711.645+/-0.066 χ^2/NDF: 19665353.2/10



Right In: 362.916+/-329.469 χ^2/NDF: 20.8/25

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

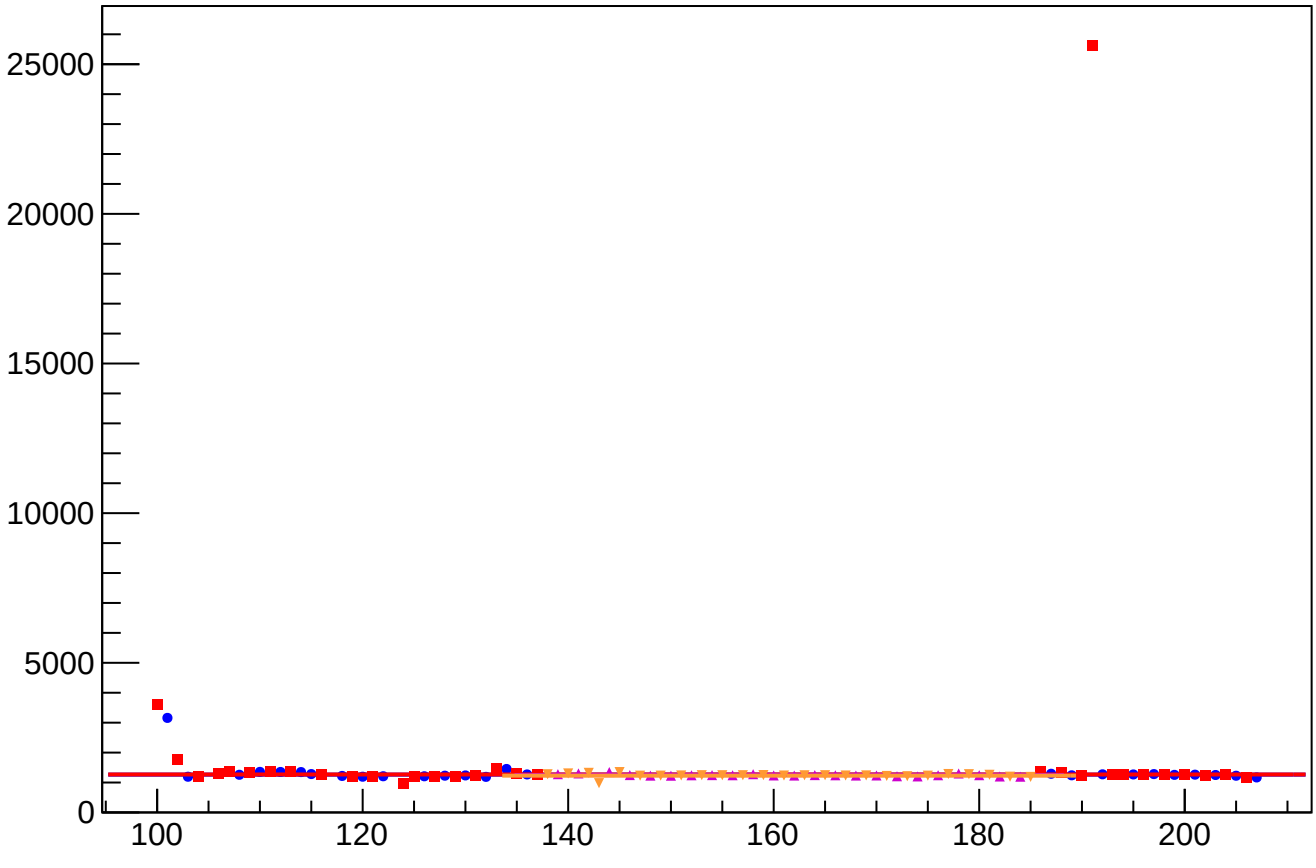
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -172.537+/-228.969 χ^2/NDF: 52.7/56

In: 117.317+/-218.299 χ^2/NDF:35.8/48

Out: -434.747+/-210.240 χ^2/NDF:51.9/55

All: -169.094+/-151.431 χ^2/NDF: 90.9/104



Right In: 1263.295+/-0.233 χ^2/NDF: 523813.6/25

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

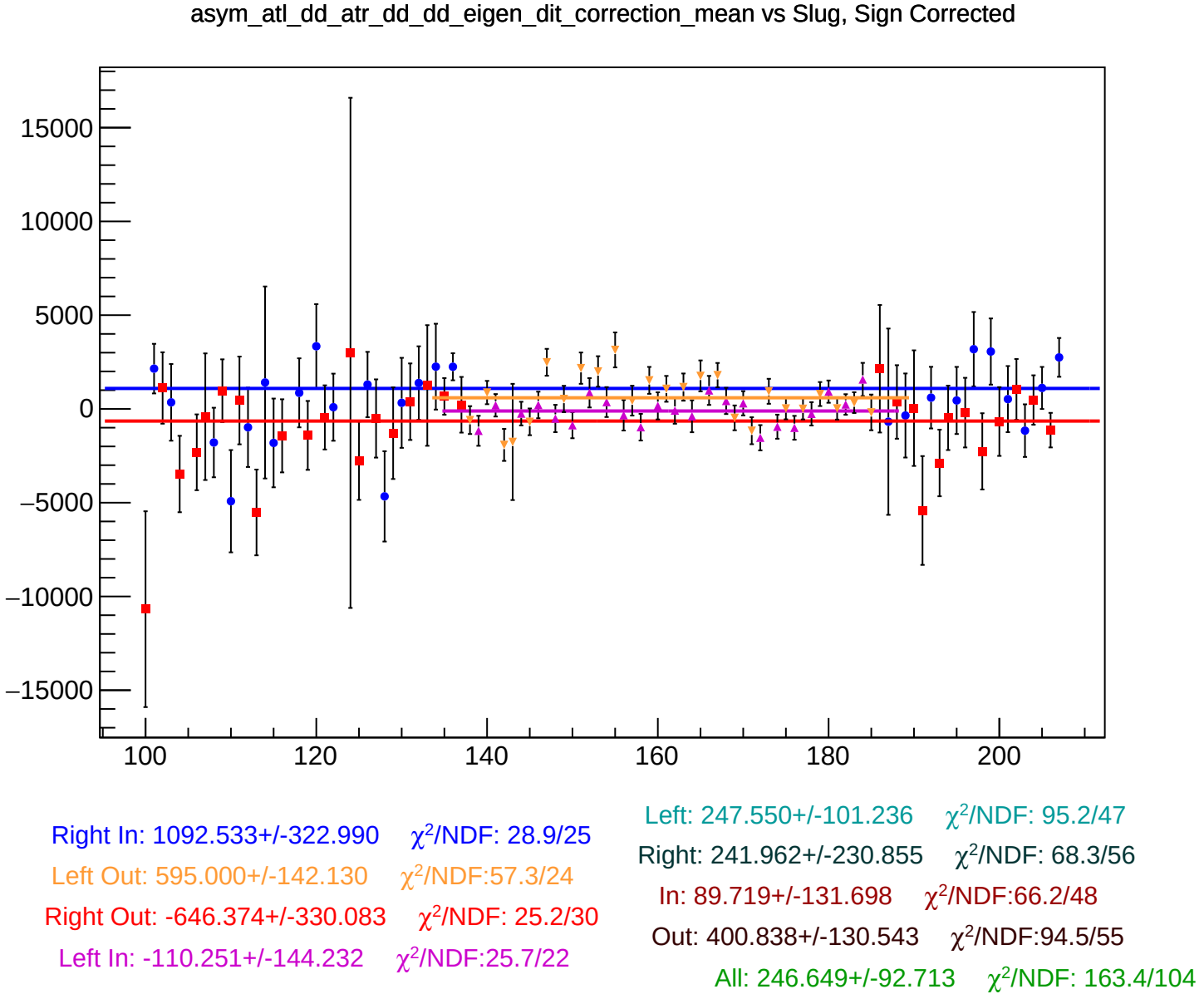
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

Right: 1266.218+/-0.162 χ^2/NDF: 908742.6/56

In: 1254.594+/-0.154 χ^2/NDF:553640.8/48

Out: 1246.970+/-0.149 χ^2/NDF:543120.7/55

All: 1250.639+/-0.107 χ^2/NDF: 1098027.3/10


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
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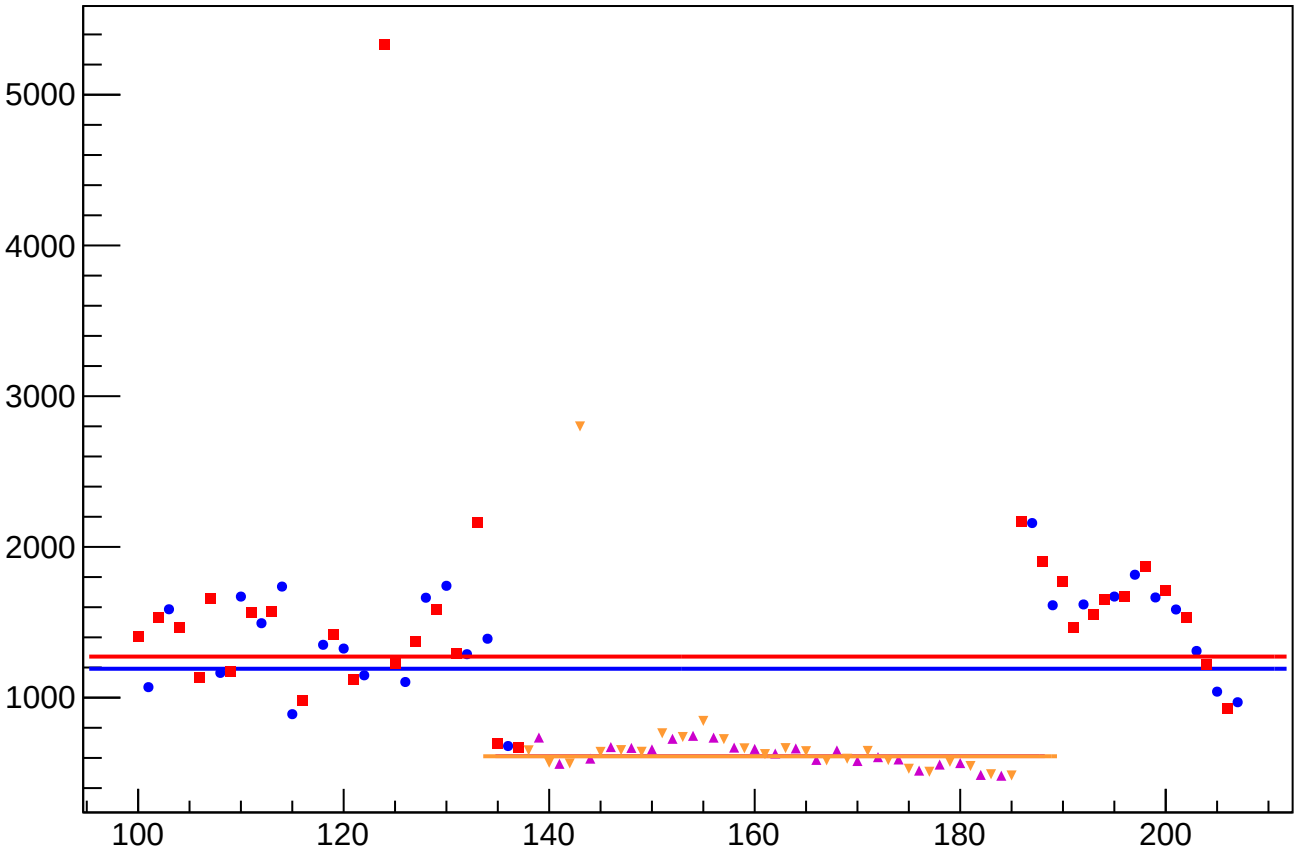
−15000
100
120
140
160
180
200
Right In: 1092.533+/-322.990 χ²/NDF: 28.9/25
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -646.374+/-330.083 χ²/NDF: 25.2/30
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 241.962+/-230.855 χ²/NDF: 68.3/56
In: 89.719+/-131.698 χ²/NDF:66.2/48
Out: 400.838+/-130.543 χ²/NDF:94.5/55
All: 246.649+/-92.713 χ²/NDF: 163.4/104



Right In: 1191.701+/-0.228 χ^2/NDF: 2498338.8/25

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

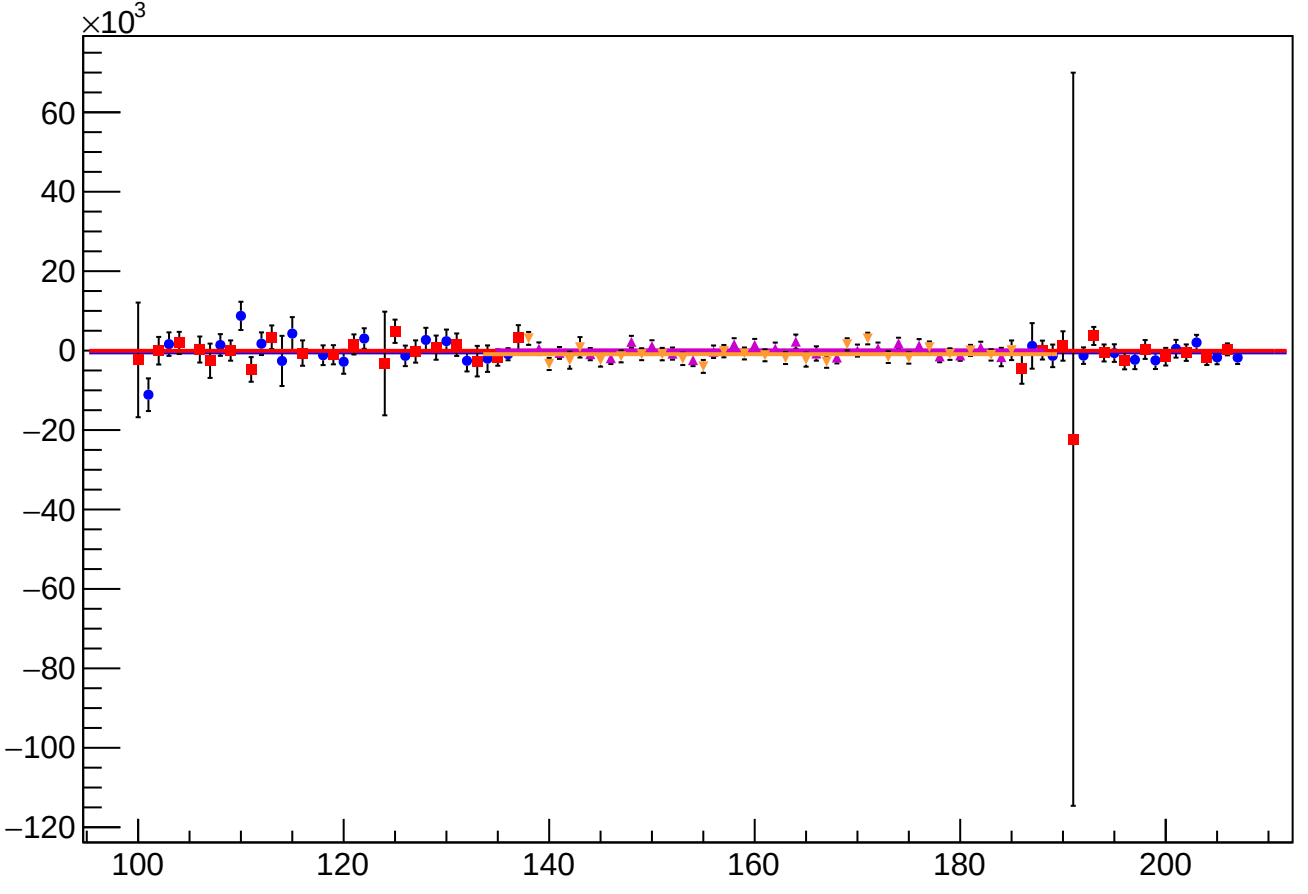
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1231.193+/-0.163 χ^2/NDF: 5459498.6/56

In: 708.711+/-0.093 χ^2/NDF:8371013.4/48

Out: 714.527+/-0.092 χ^2/NDF:11292351.9/55

All: 711.645+/-0.066 χ^2/NDF: 19665333.1/10



Right In: -443.464+/-487.657 χ^2/NDF: 26.7/25

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

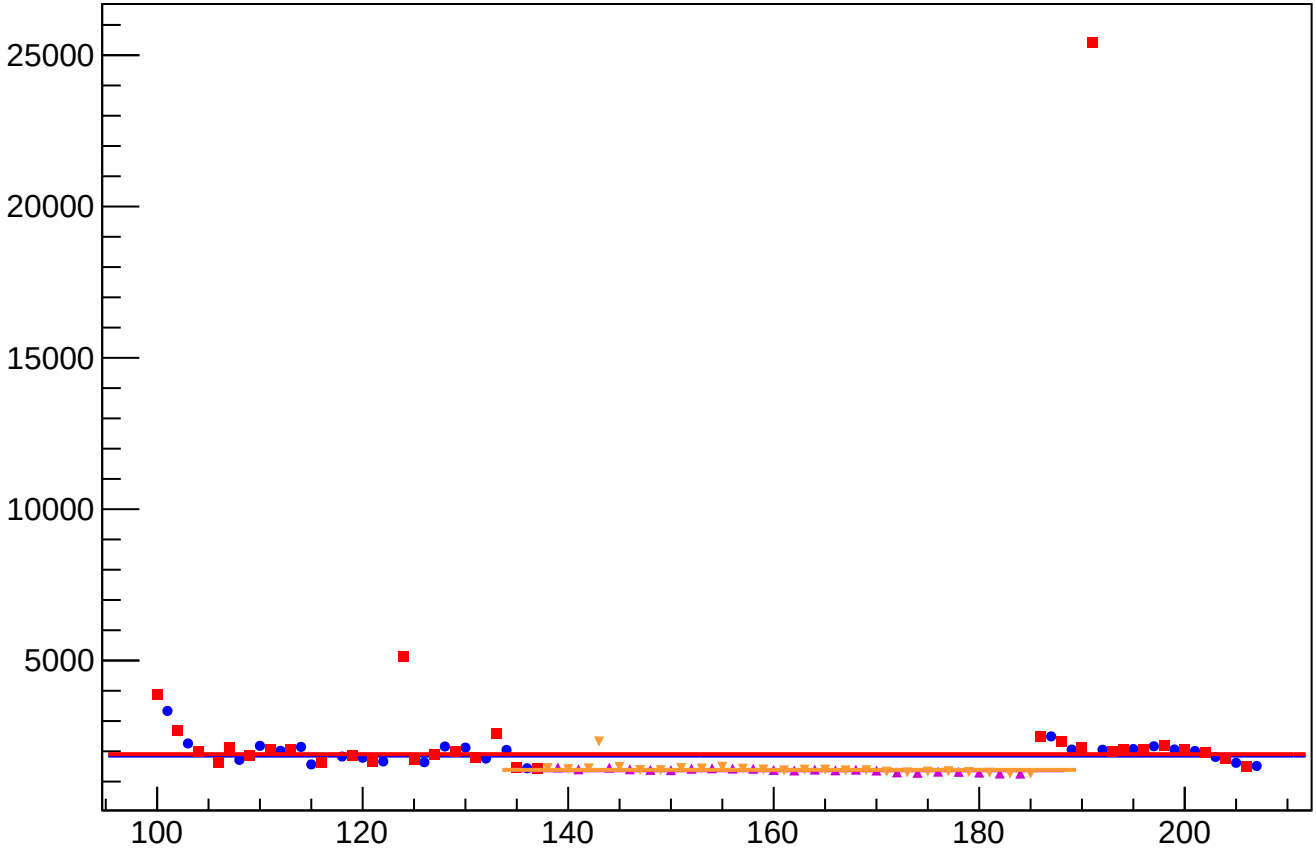
Right: -249.708+/-342.953 χ^2/NDF: 44.2/56

In: -100.402+/-268.084 χ^2/NDF:45.3/48

Out: -647.241+/-264.599 χ^2/NDF:49.2/55

All: -377.399+/-188.320 χ^2/NDF: 96.5/104

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1858.113+/-0.345 χ^2/NDF: 818380.5/25

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

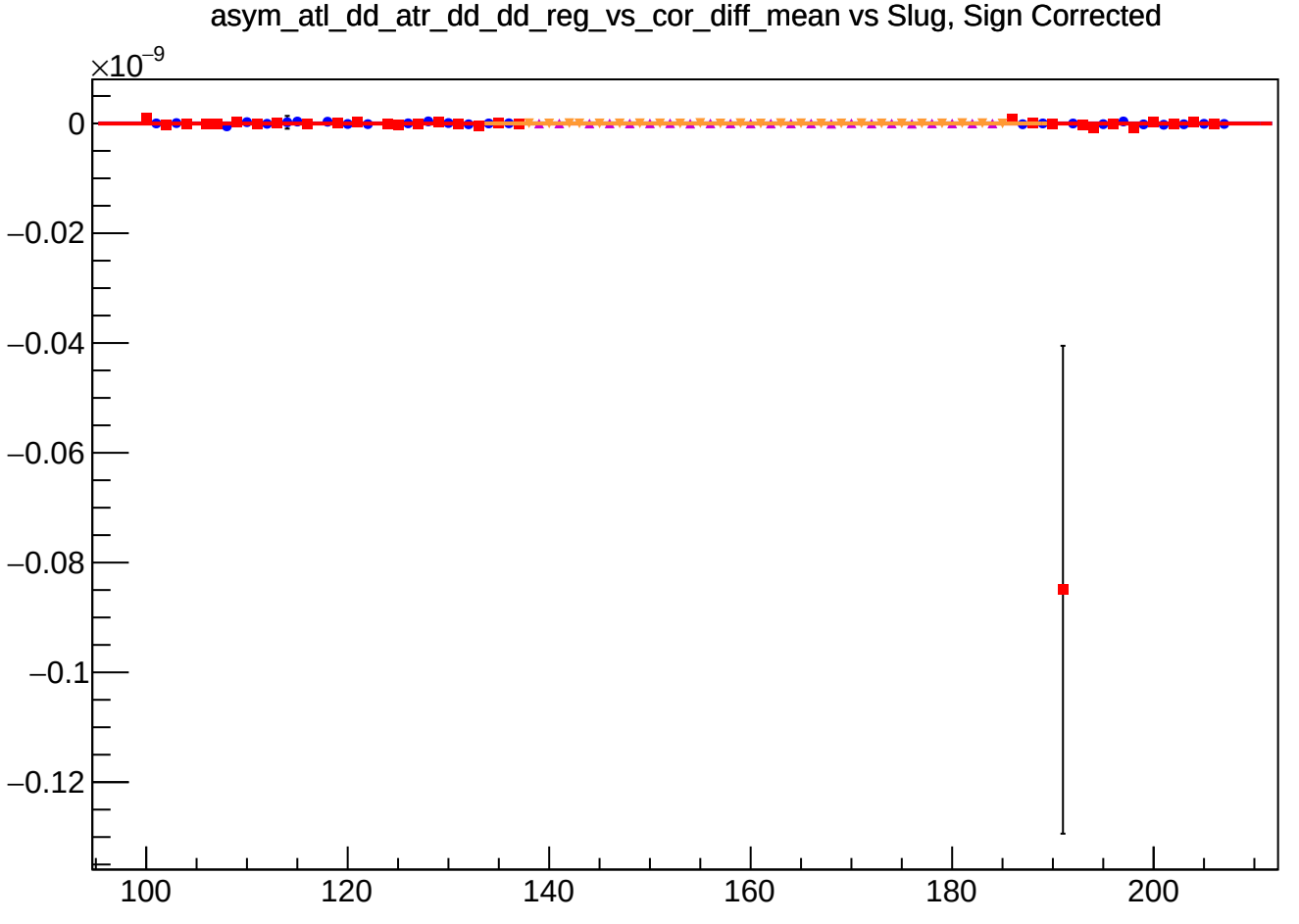
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1882.234+/-0.243 χ^2/NDF: 1819285.4/56

In: 1519.759+/-0.190 χ^2/NDF:2262672.3/48

Out: 1542.987+/-0.187 χ^2/NDF:2949487.5/55

All: 1531.525+/-0.133 χ^2/NDF: 5219765.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/25

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

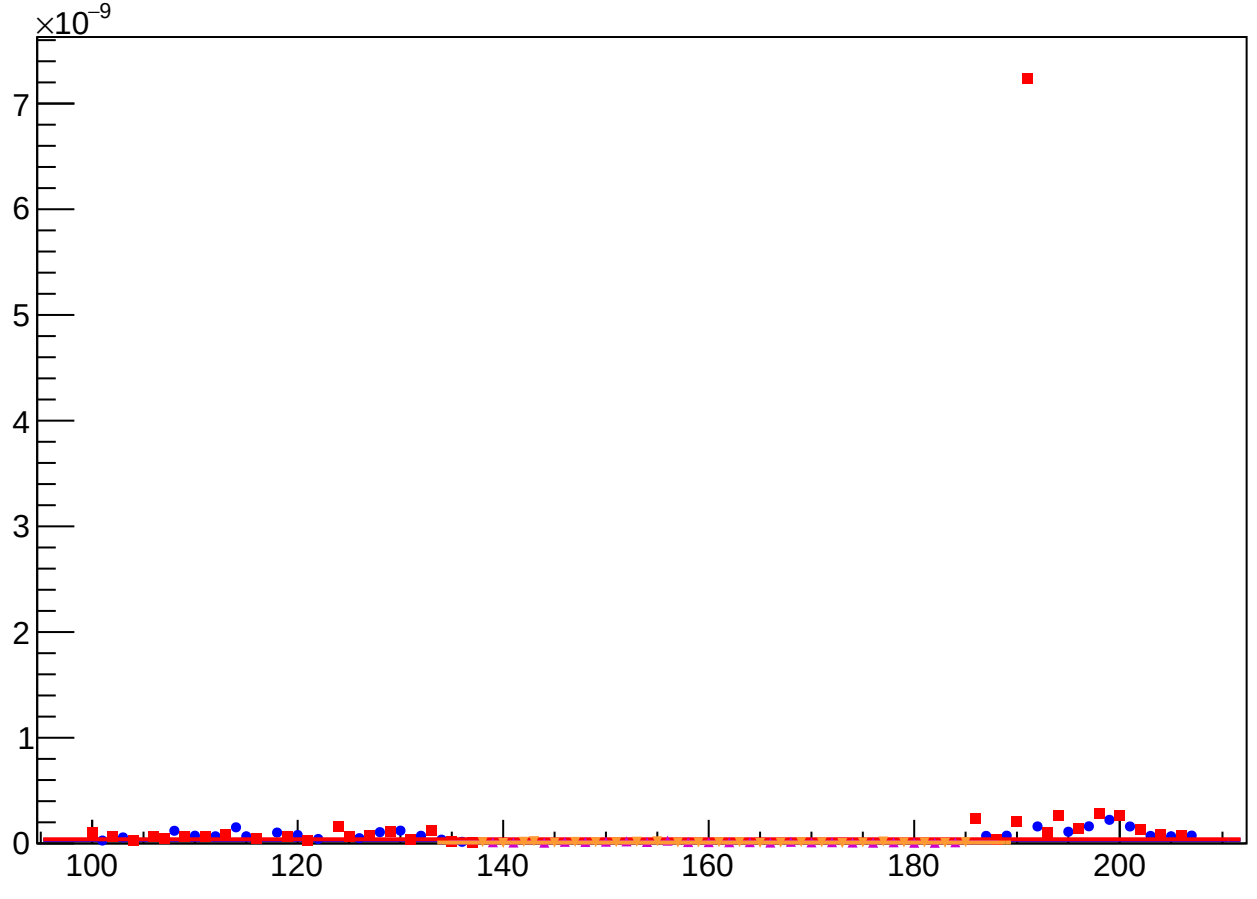
Right: -0.000+/-0.000 χ^2/NDF: 70.3/56

In: 0.000+/-0.000 χ^2/NDF:36.6/48

Out: 0.000+/-0.000 χ^2/NDF:72.3/55

All: 0.000+/-0.000 χ^2/NDF: 108.9/104

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5862367.9/25

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

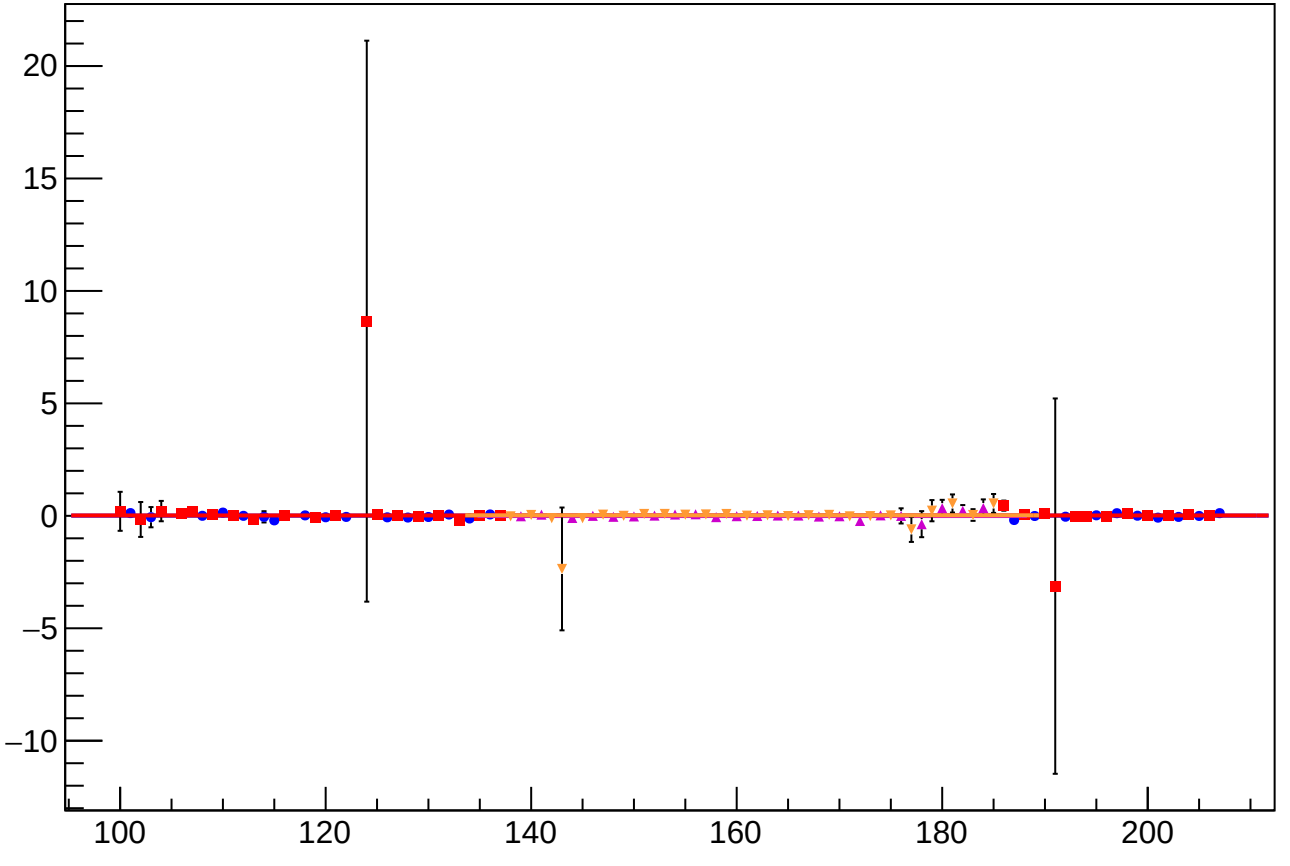
Right: 0.000+/-0.000 χ^2/NDF: 12386932.9/56

In: 0.000+/-0.000 χ^2/NDF:10168811.2/48

Out: 0.000+/-0.000 χ^2/NDF:12999438.4/55

All: 0.000+/-0.000 χ^2/NDF: 23459830.5/104

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 42.1/25

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

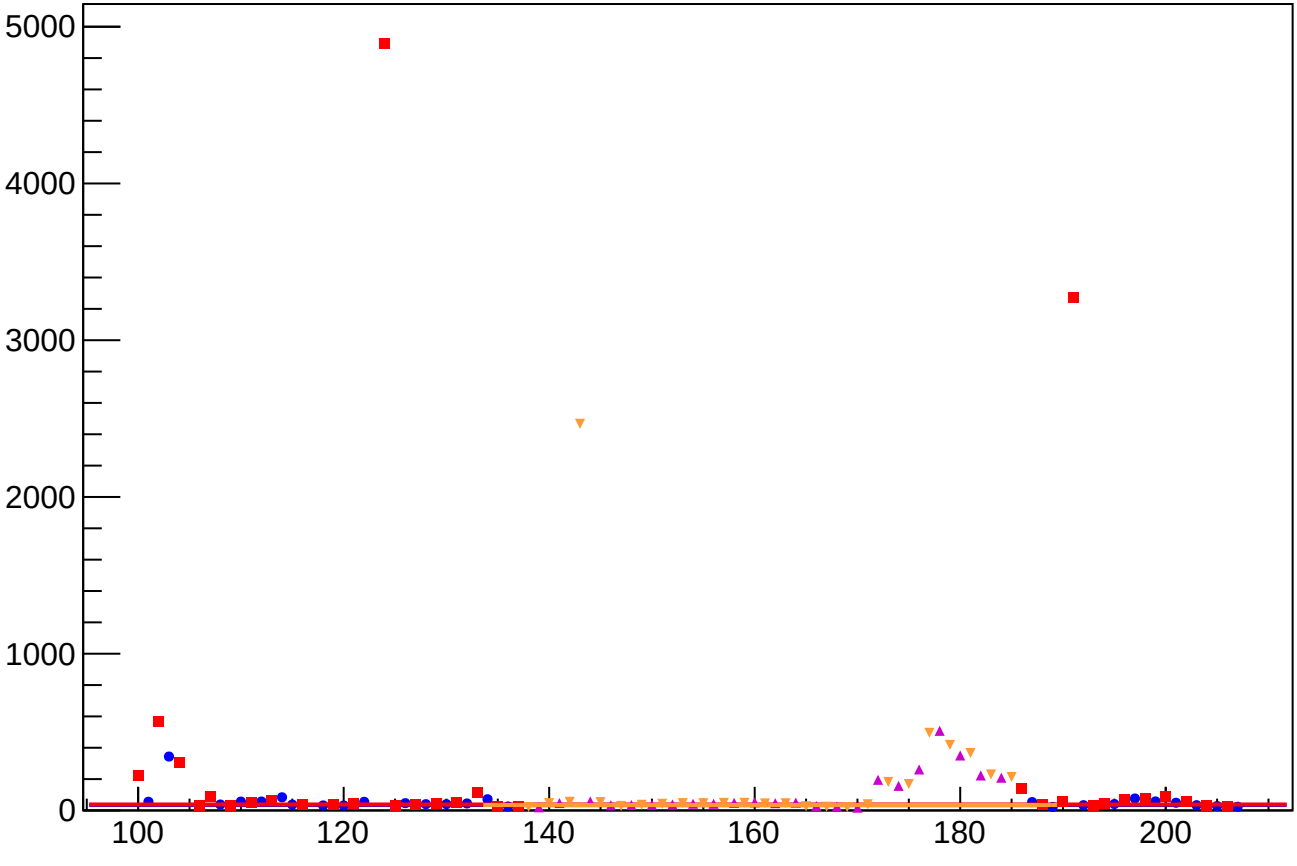
Right: 0.012+/-0.008 χ^2/NDF: 64.9/56

In: -0.001+/-0.007 χ^2/NDF:58.5/48

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/104

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.048+/-0.007 χ^2/NDF: 3447880.8/25

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

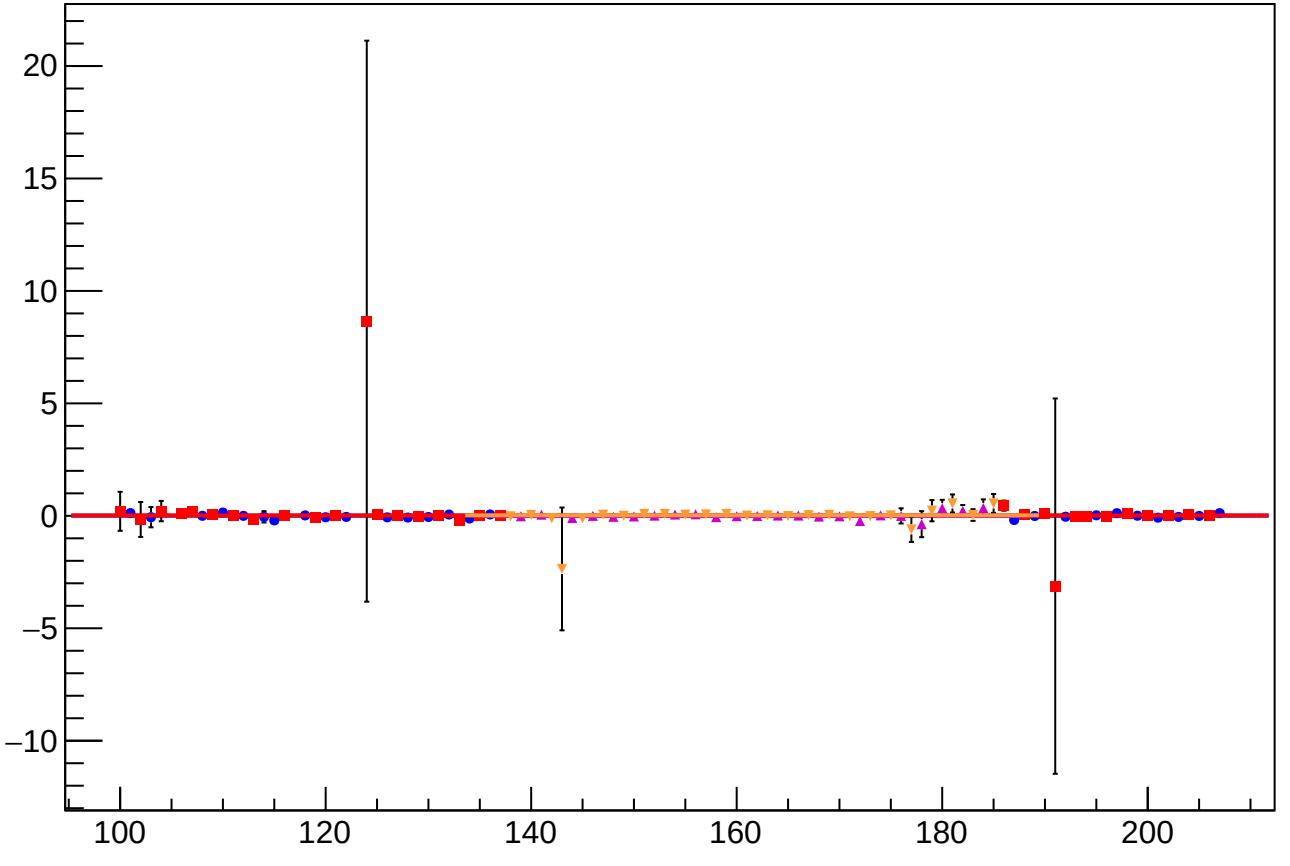
Right: 36.446+/-0.005 χ^2/NDF: 9368950.0/56

In: 34.277+/-0.005 χ^2/NDF:13535525.9/48

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 35.175+/-0.004 χ^2/NDF: 30949581.6/104

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 42.1/25

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

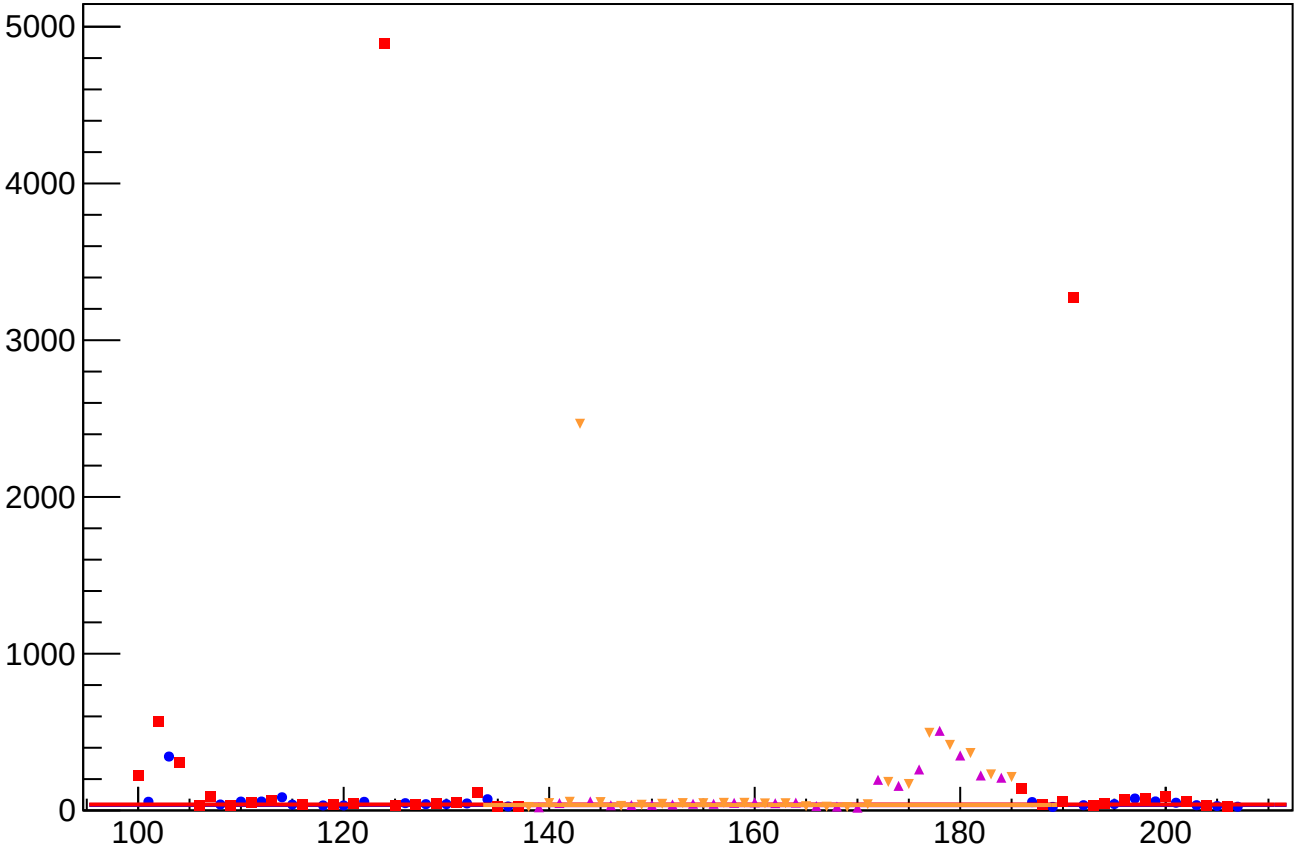
Right: 0.012+/-0.008 χ^2/NDF: 64.9/56

In: -0.001+/-0.007 χ^2/NDF:58.5/48

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/104

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.048+/-0.007 χ^2/NDF: 3447880.8/25

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

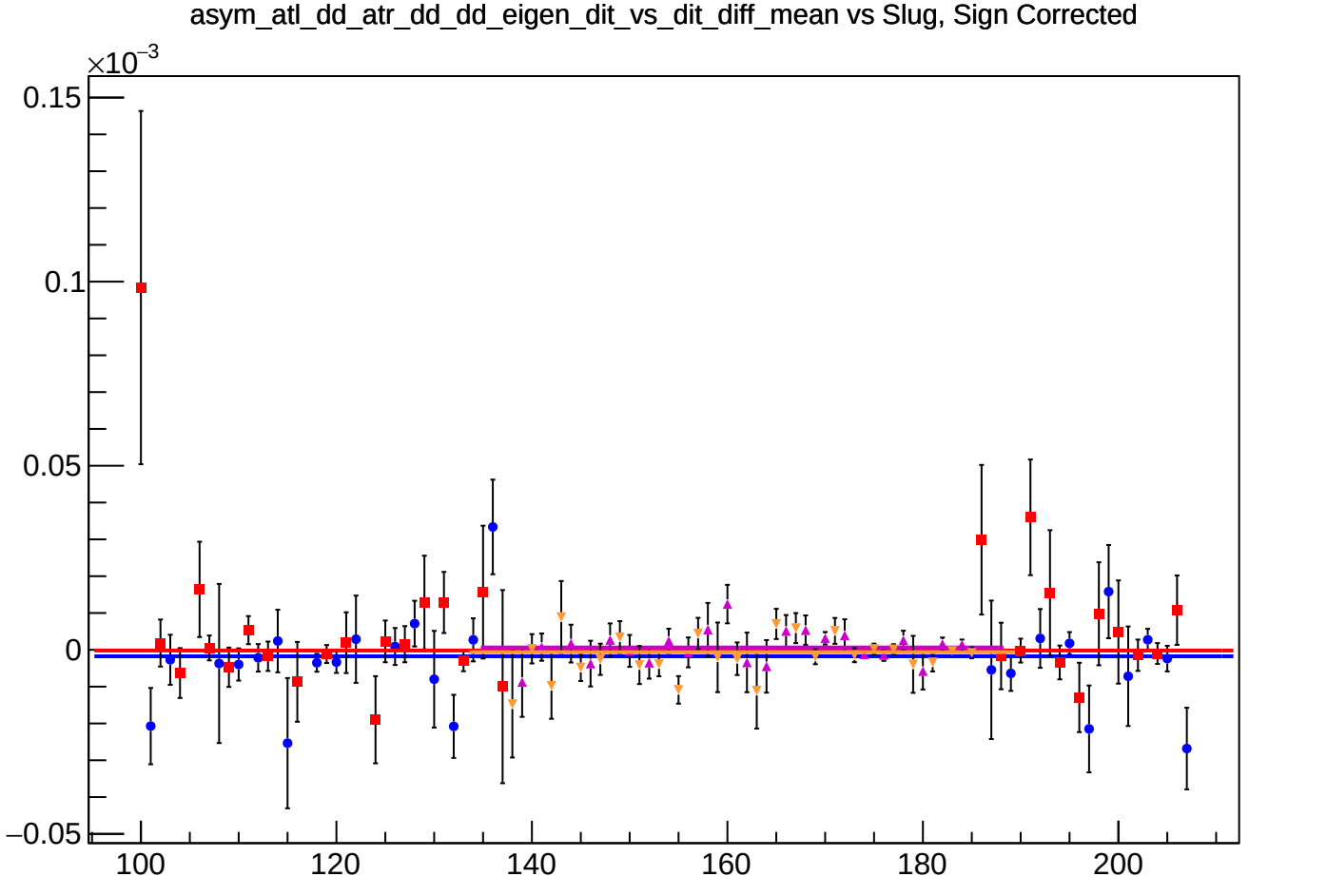
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.446+/-0.005 χ^2/NDF: 9368950.0/56

In: 34.277+/-0.005 χ^2/NDF:13535525.9/48

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 35.175+/-0.004 χ^2/NDF: 30949581.6/104



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/25

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

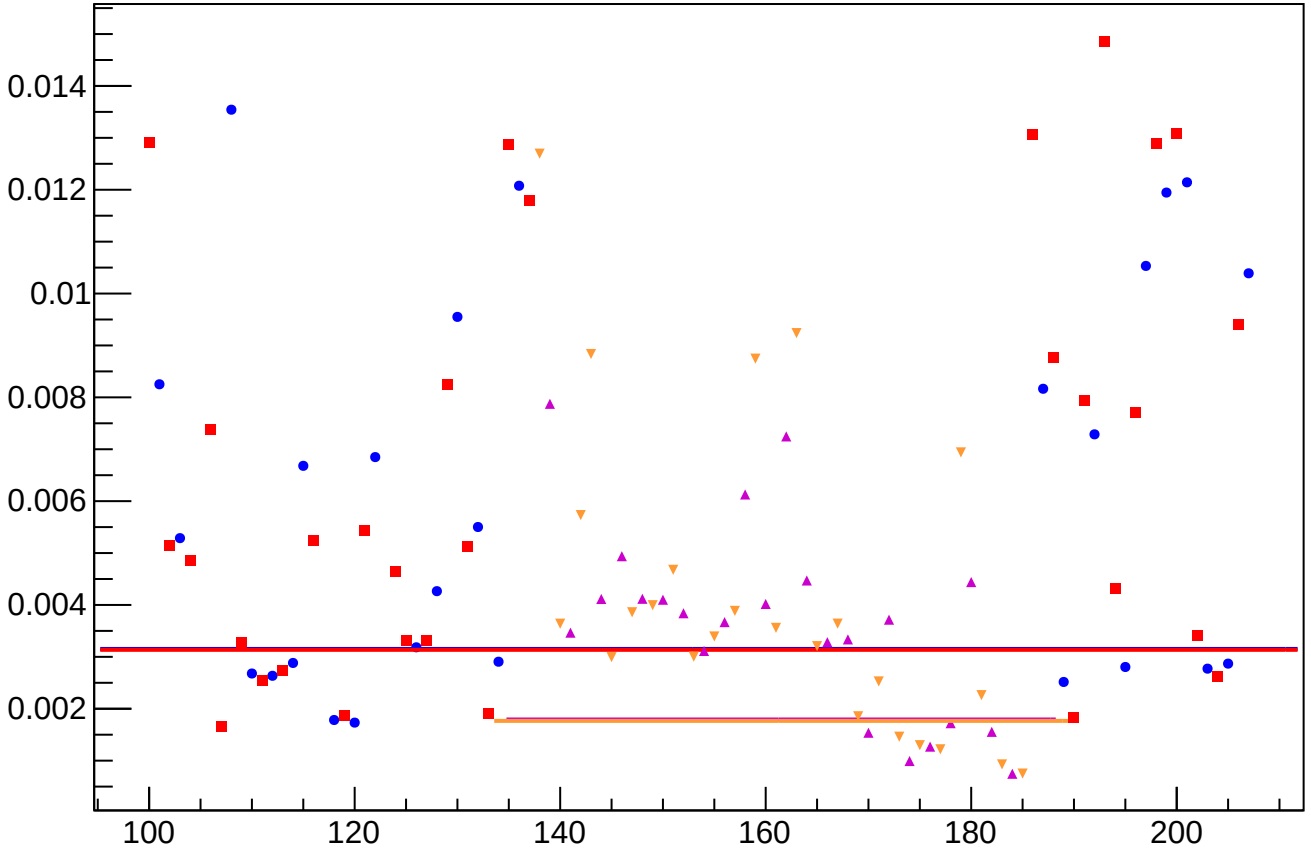
Right: -0.000+/-0.000 χ^2/NDF: 70.2/56

In: 0.000+/-0.000 χ^2/NDF:63.4/48

Out: -0.000+/-0.000 χ^2/NDF:60.3/55

All: -0.000+/-0.000 χ^2/NDF: 124.6/104

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 8513702.9/25

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

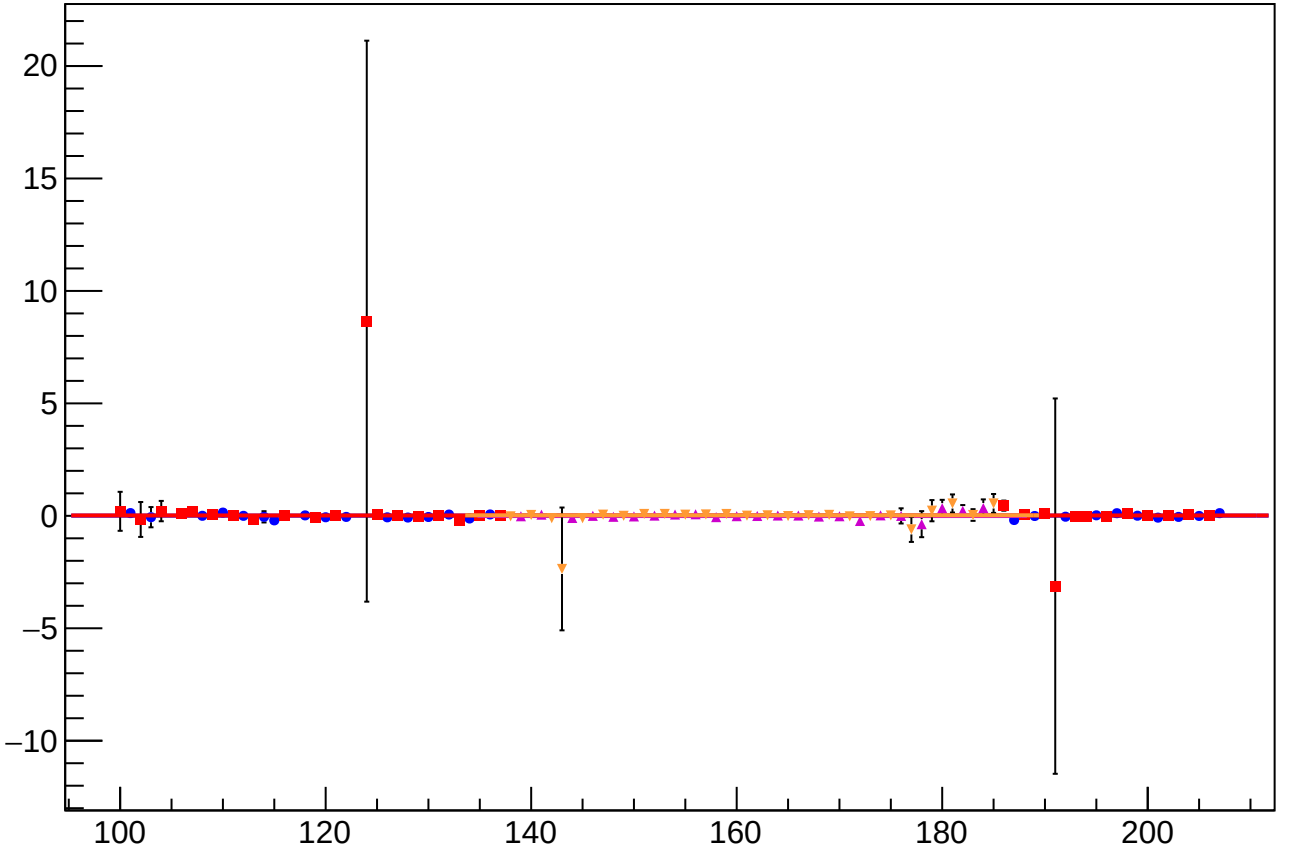
Right: 0.003+/-0.000 χ^2/NDF: 18272569.6/56

In: 0.002+/-0.000 χ^2/NDF:22085065.7/48

Out: 0.002+/-0.000 χ^2/NDF:25890982.3/55

All: 0.002+/-0.000 χ^2/NDF: 47979098.1/104

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 42.1/25

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

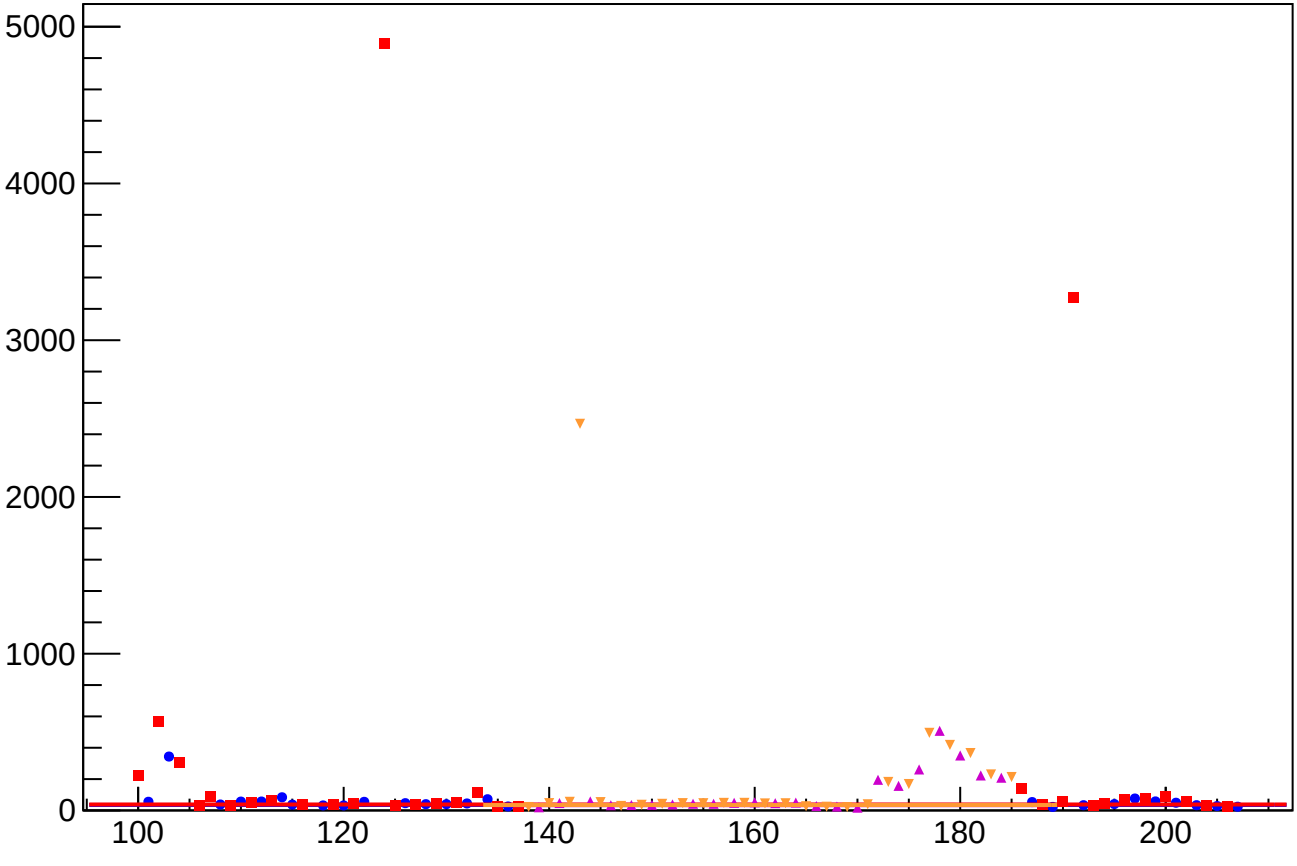
Right: 0.012+/-0.008 χ^2/NDF: 64.9/56

In: -0.001+/-0.007 χ^2/NDF:58.5/48

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/104

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.052+/-0.007 χ^2/NDF: 3446499.3/25

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

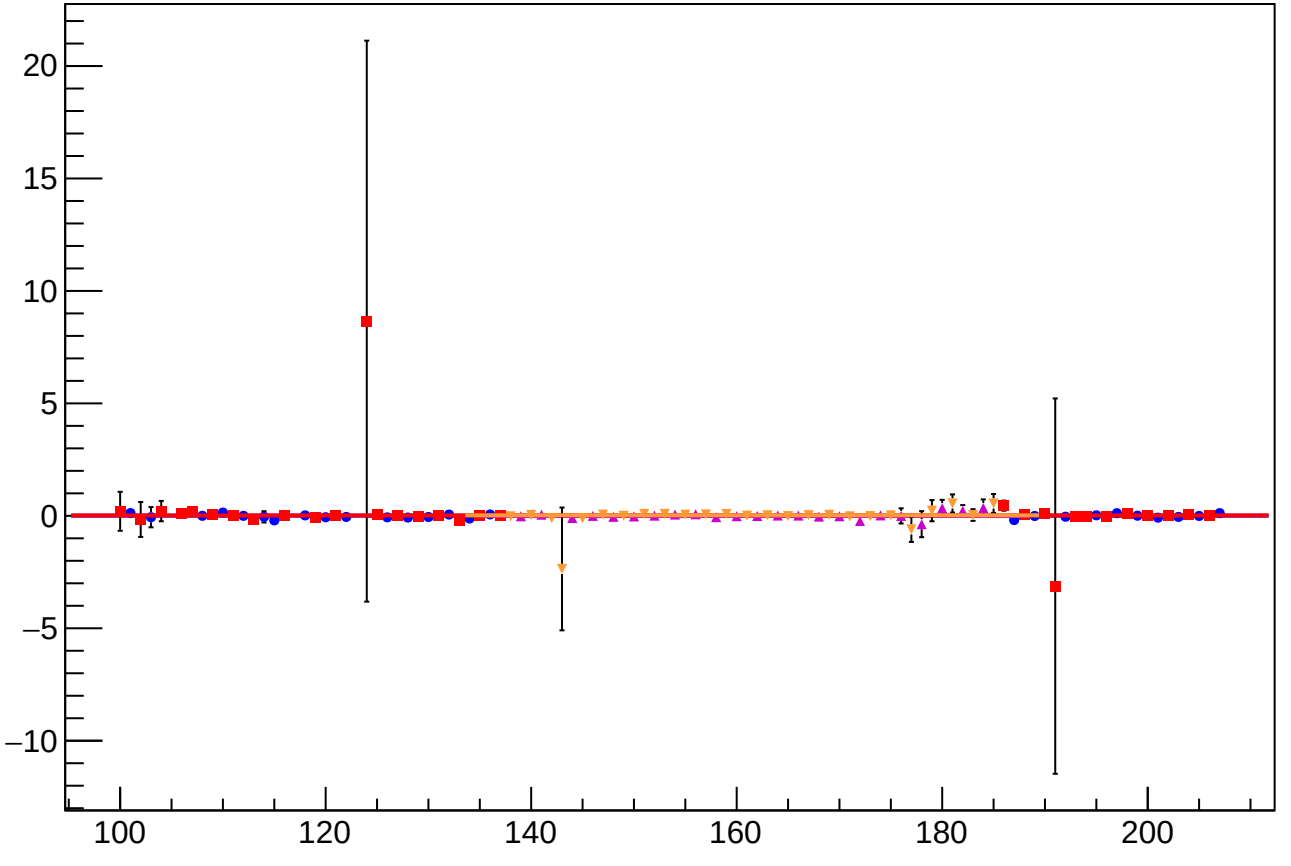
Right: 36.449+/-0.005 χ^2/NDF: 9367117.6/56

In: 34.280+/-0.005 χ^2/NDF:13532903.2/48

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 35.176+/-0.004 χ^2/NDF: 30946663.0/104

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 42.1/25

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

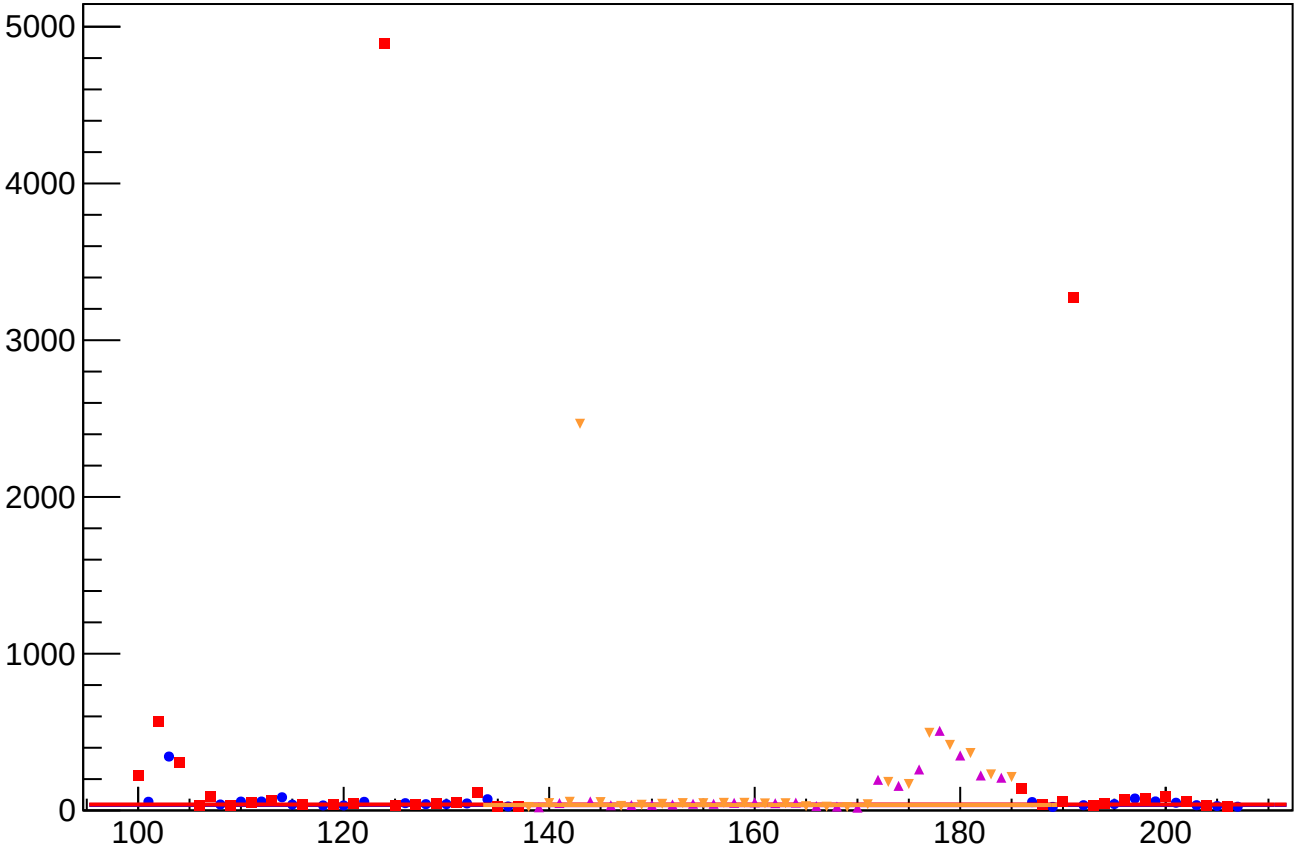
Right: 0.012+/-0.008 χ^2/NDF: 64.9/56

In: -0.001+/-0.007 χ^2/NDF:58.5/48

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/104

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.052+/-0.007 χ^2/NDF: 3446499.3/25

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

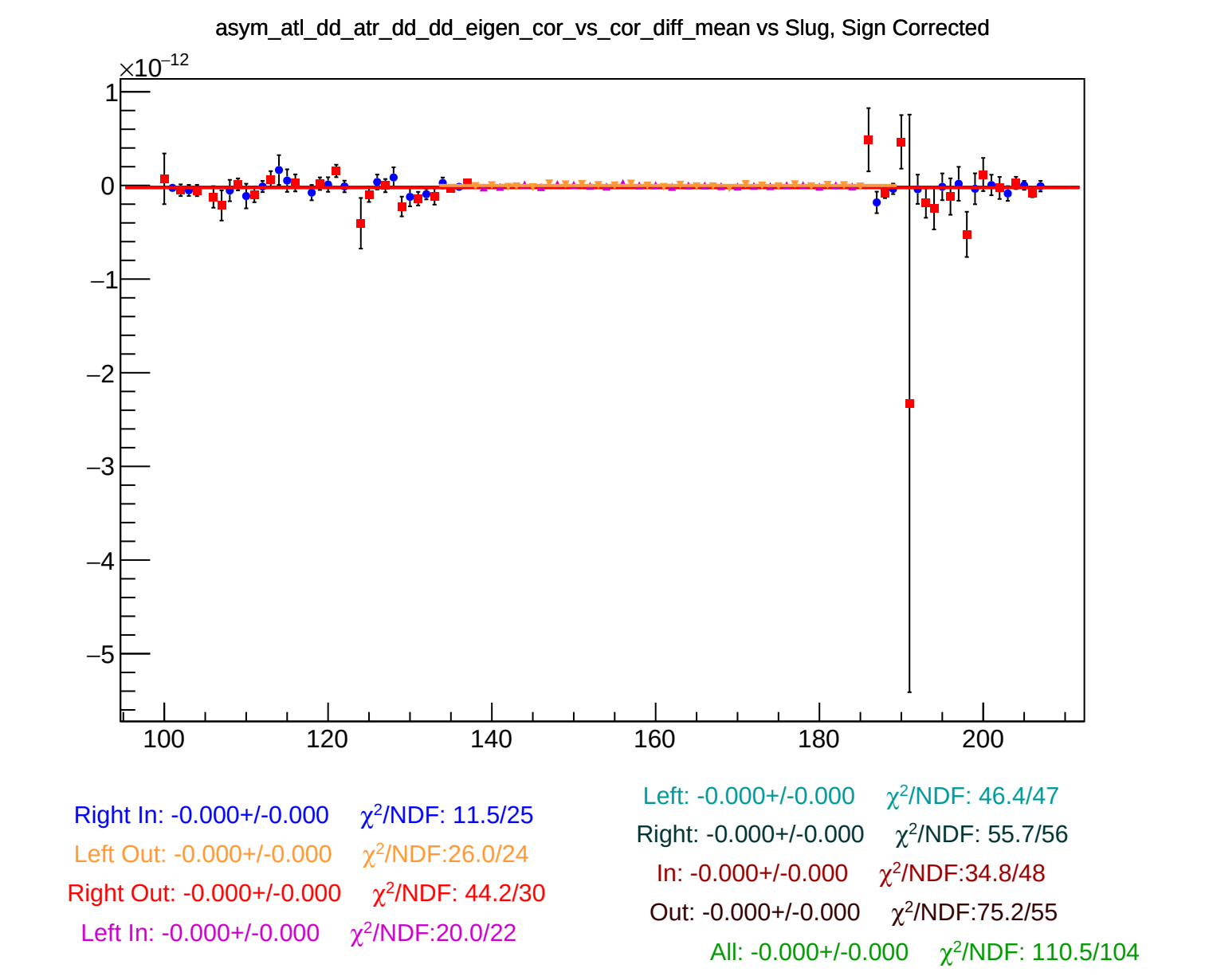
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

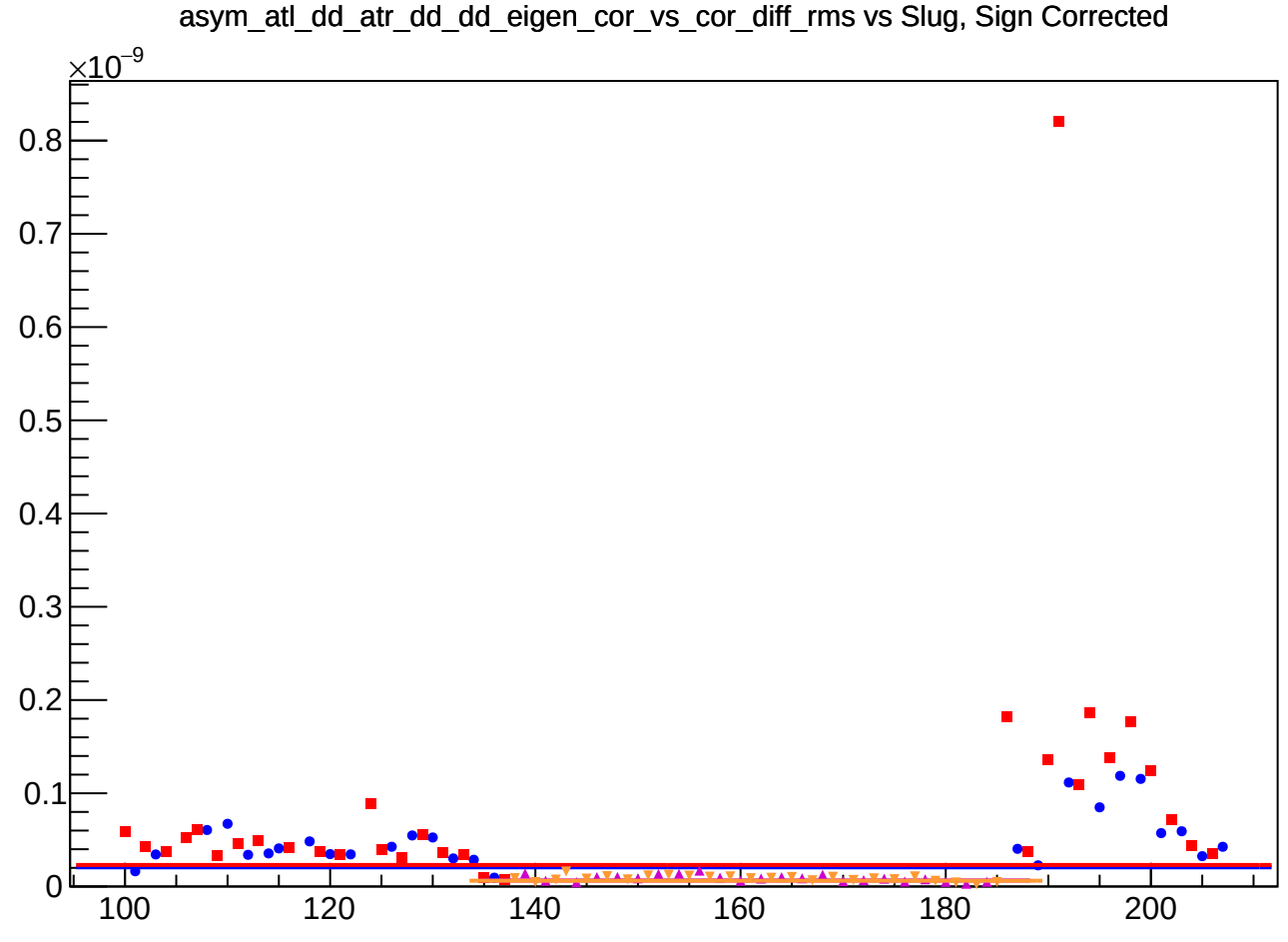
Right: 36.449+/-0.005 χ^2/NDF: 9367117.6/56

In: 34.280+/-0.005 χ^2/NDF:13532903.2/48

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 35.176+/-0.004 χ^2/NDF: 30946663.0/104


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: 11.5/25
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: 55.7/56
In: -0.000+/-0.000 χ²/NDF:34.8/48
Out: -0.000+/-0.000 χ²/NDF:75.2/55
All: -0.000+/-0.000 χ²/NDF: 110.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 7012248.6/25

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

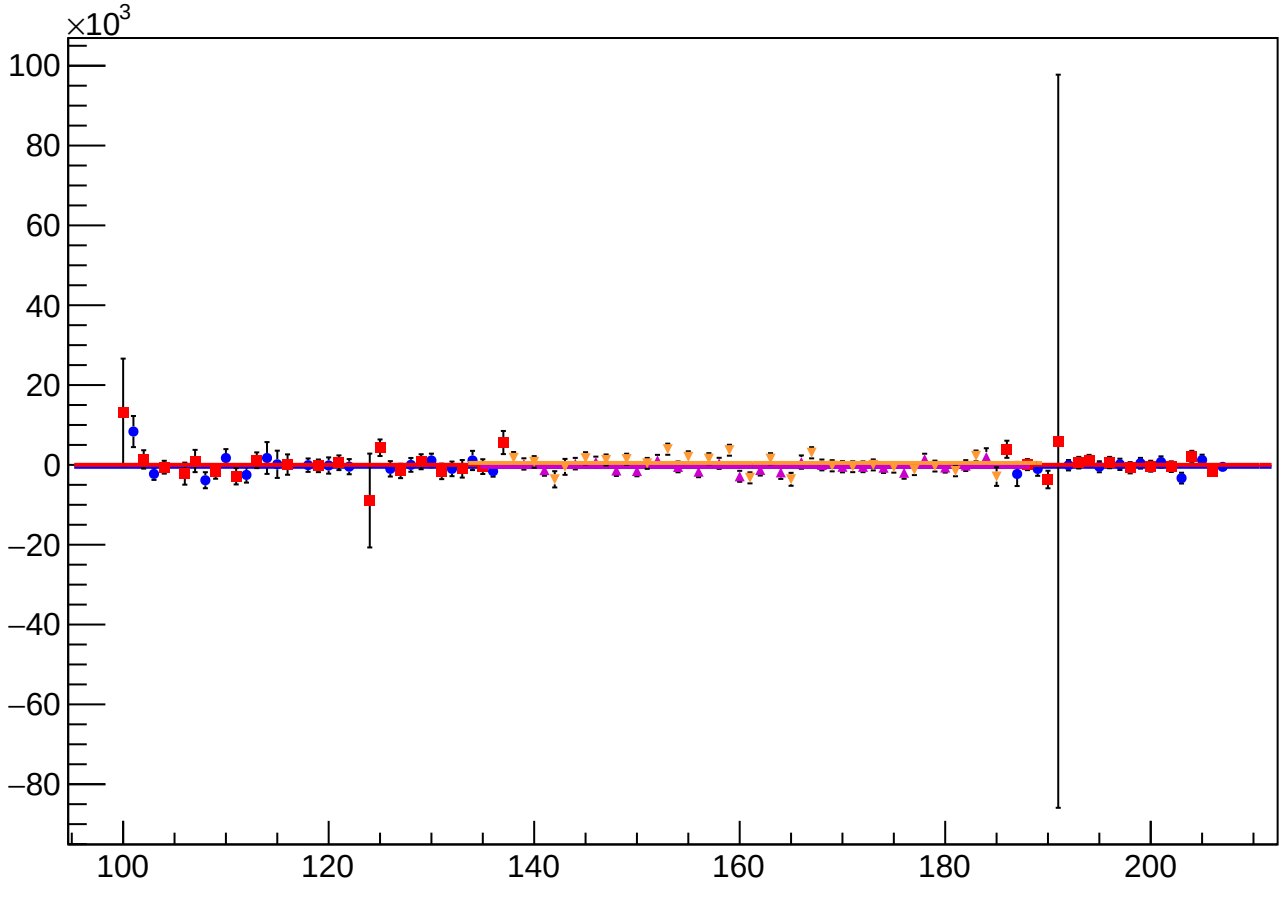
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16683825.6/56

In: 0.000+/-0.000 χ^2/NDF:15446999.1/48

Out: 0.000+/-0.000 χ^2/NDF:19924978.9/55

All: 0.000+/-0.000 χ^2/NDF: 35403946.5/104



Right In: -478.103+/-332.890 χ^2/NDF: 21.9/25

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

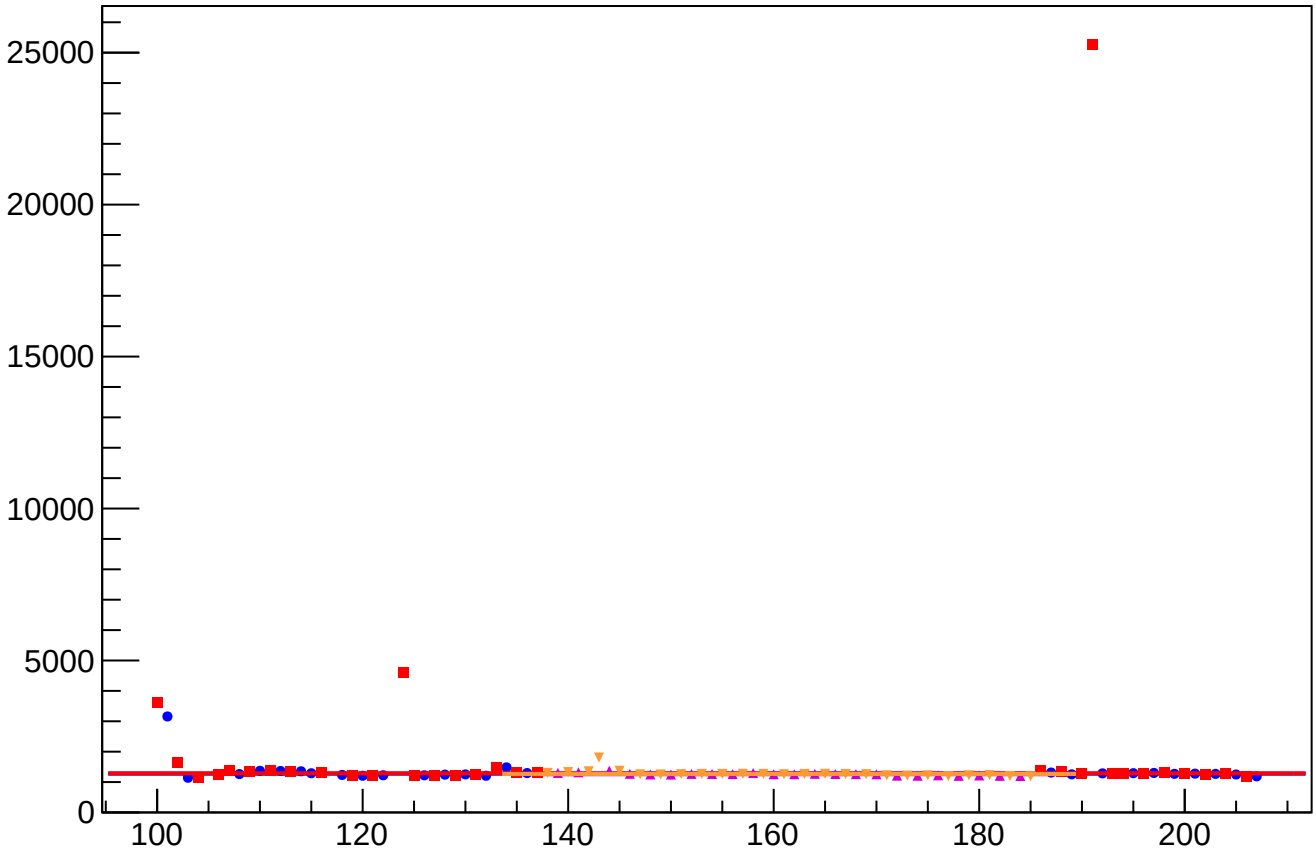
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -223.202+/-232.168 χ^2/NDF: 51.1/56

In: -483.004+/-220.265 χ^2/NDF:36.3/48

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -91.800+/-154.020 χ^2/NDF: 118.6/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528336.5/25

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

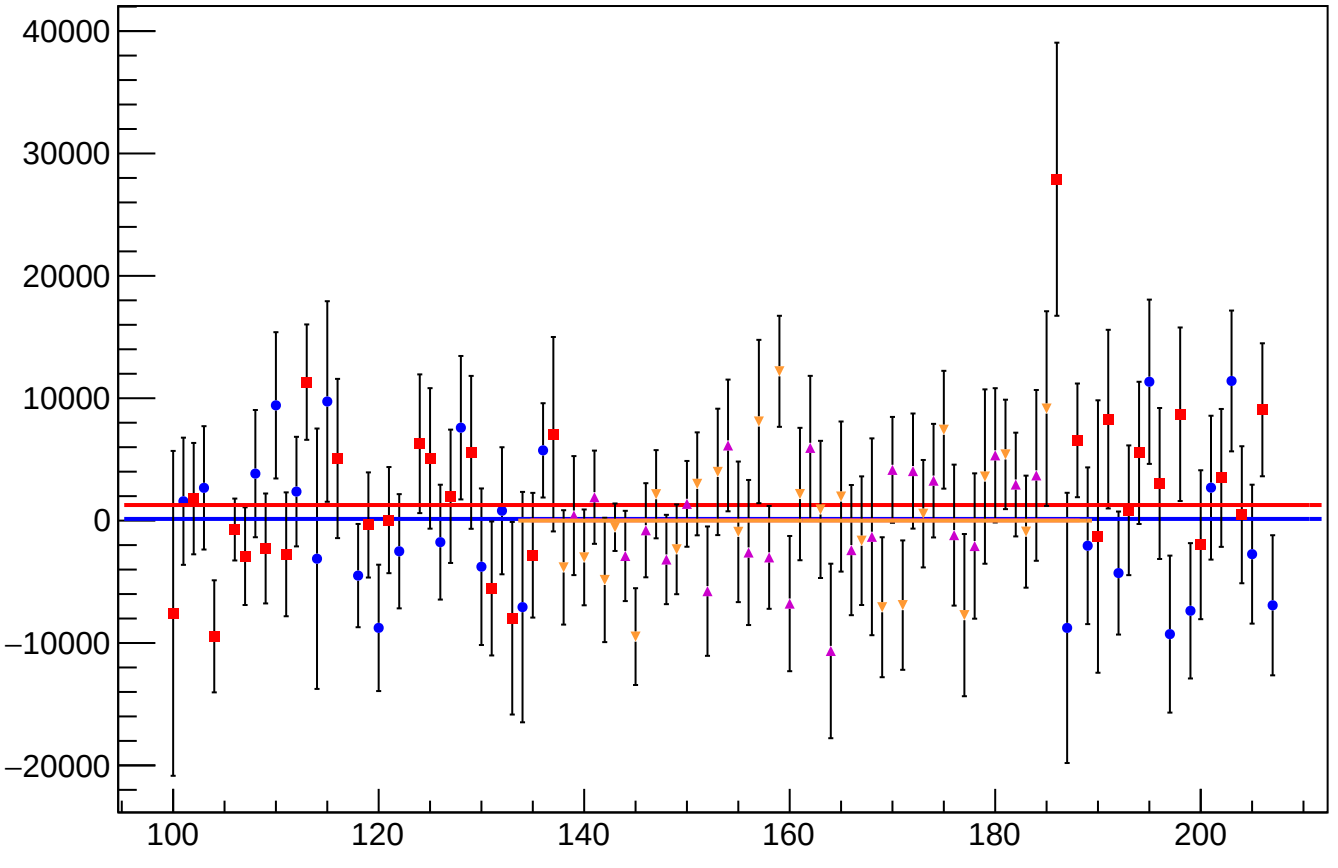
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1282.235+/-0.164 χ^2/NDF: 1011788.7/56

In: 1265.776+/-0.156 χ^2/NDF:568733.7/48

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1271.104+/-0.109 χ^2/NDF: 1245420.9/10



Right In: 137.873+/-1090.143 χ^2/NDF: 28.5/25

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

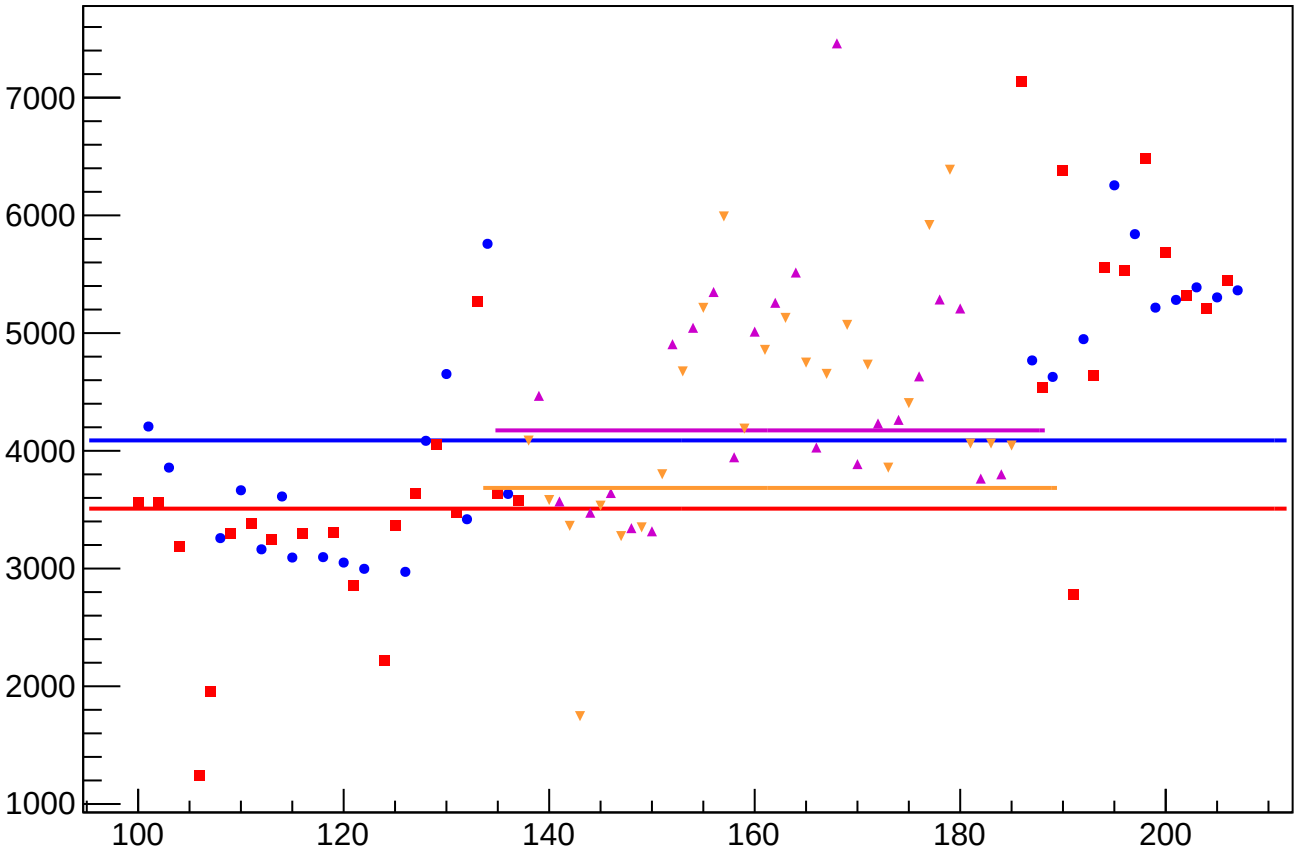
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 788.451+/-712.759 χ^2/NDF: 61.1/56

In: 79.912+/-735.050 χ^2/NDF:42.5/48

Out: 598.144+/-645.573 χ^2/NDF:62.1/55

All: 372.474+/-485.056 χ^2/NDF: 104.9/104



Right In: 4088.398+/-0.771 χ^2/NDF: 1635045.1/25

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

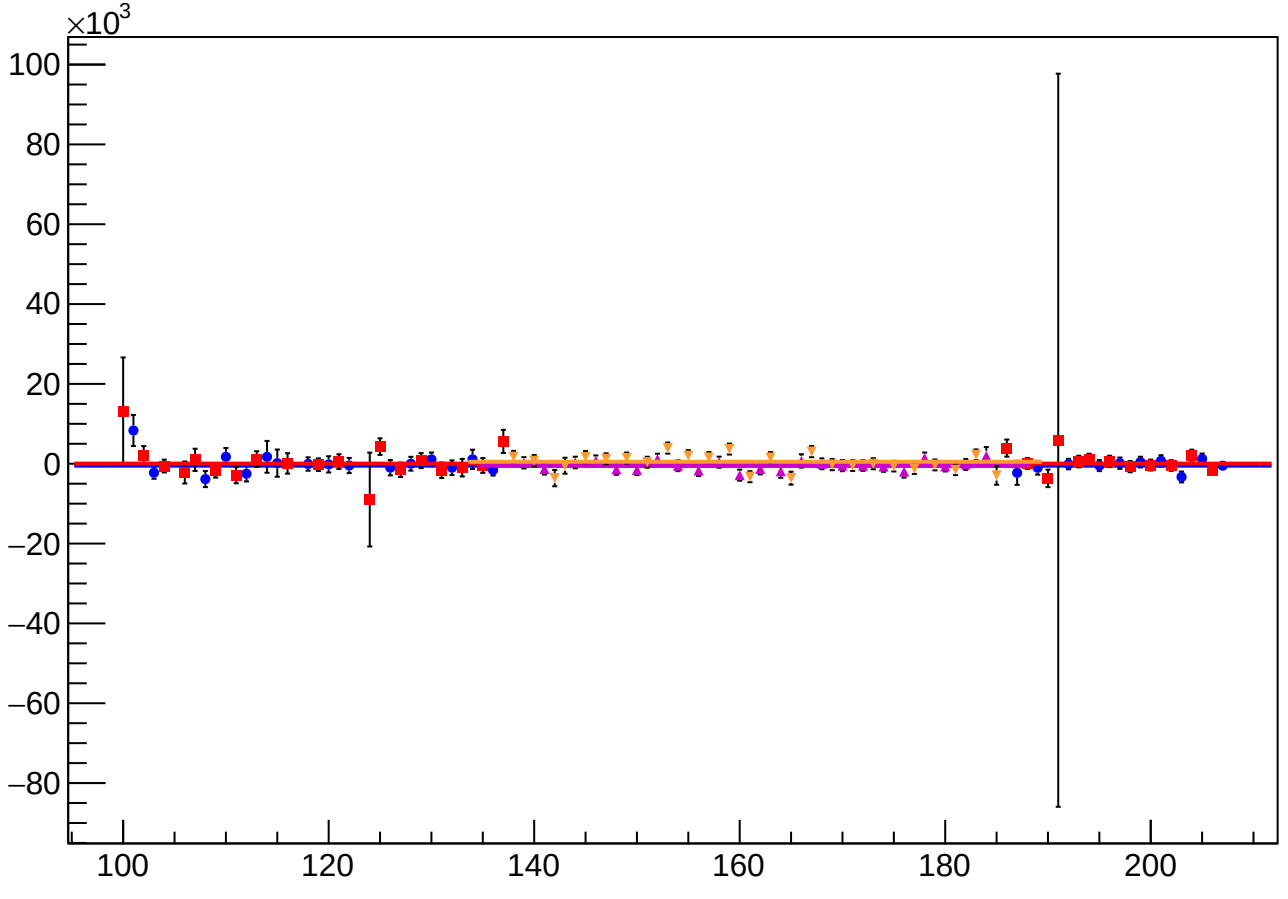
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3756.615+/-0.504 χ^2/NDF: 6437850.4/56

In: 4134.840+/-0.520 χ^2/NDF:2916669.3/48

Out: 3602.160+/-0.456 χ^2/NDF:8209850.3/55

All: 3834.122+/-0.343 χ^2/NDF: 11719474.7/1



Right In: -478.242+/-332.890 χ^2/NDF: 21.9/25

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

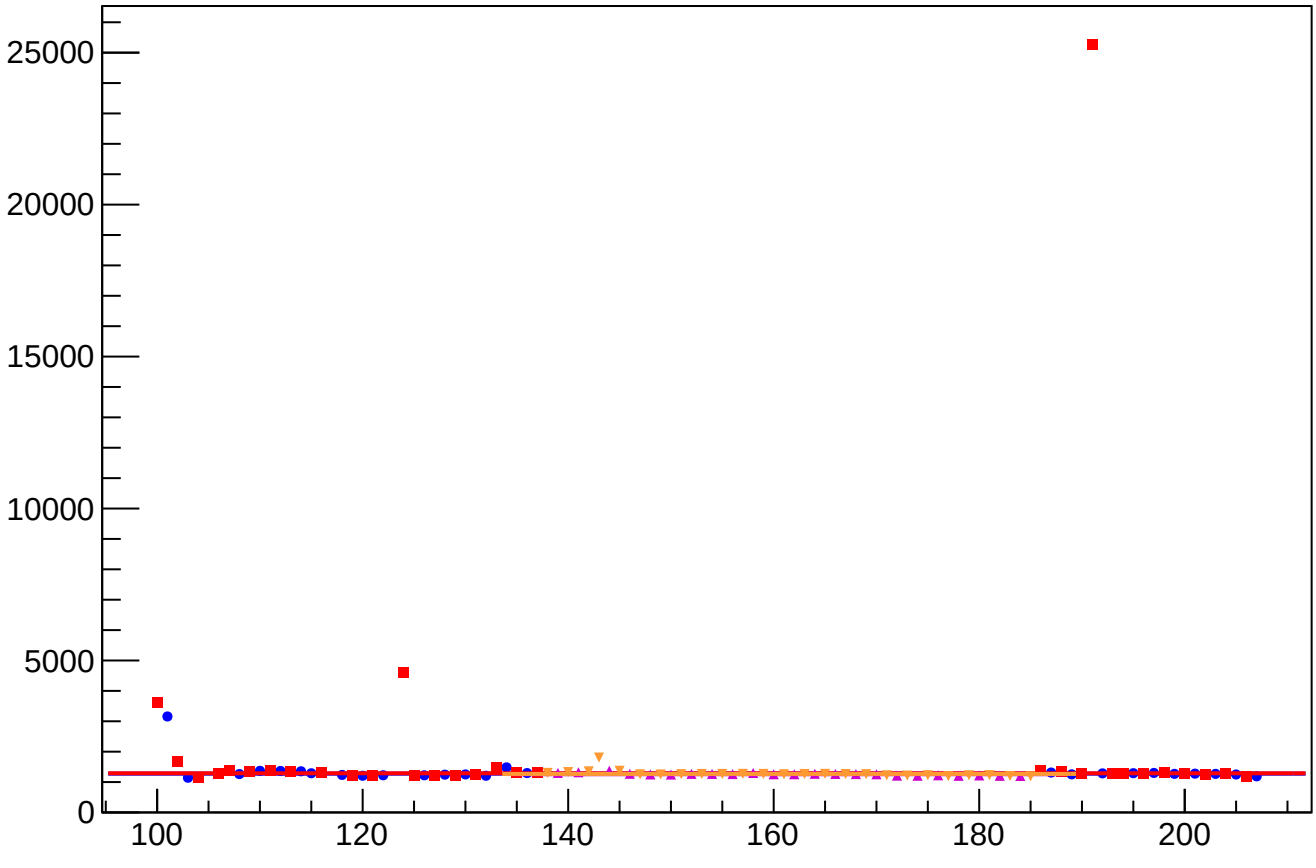
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -216.756+/-232.203 χ^2/NDF: 51.6/56

In: -483.008+/-220.265 χ^2/NDF:36.3/48

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -88.914+/-154.030 χ^2/NDF: 119.1/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528337.9/25

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

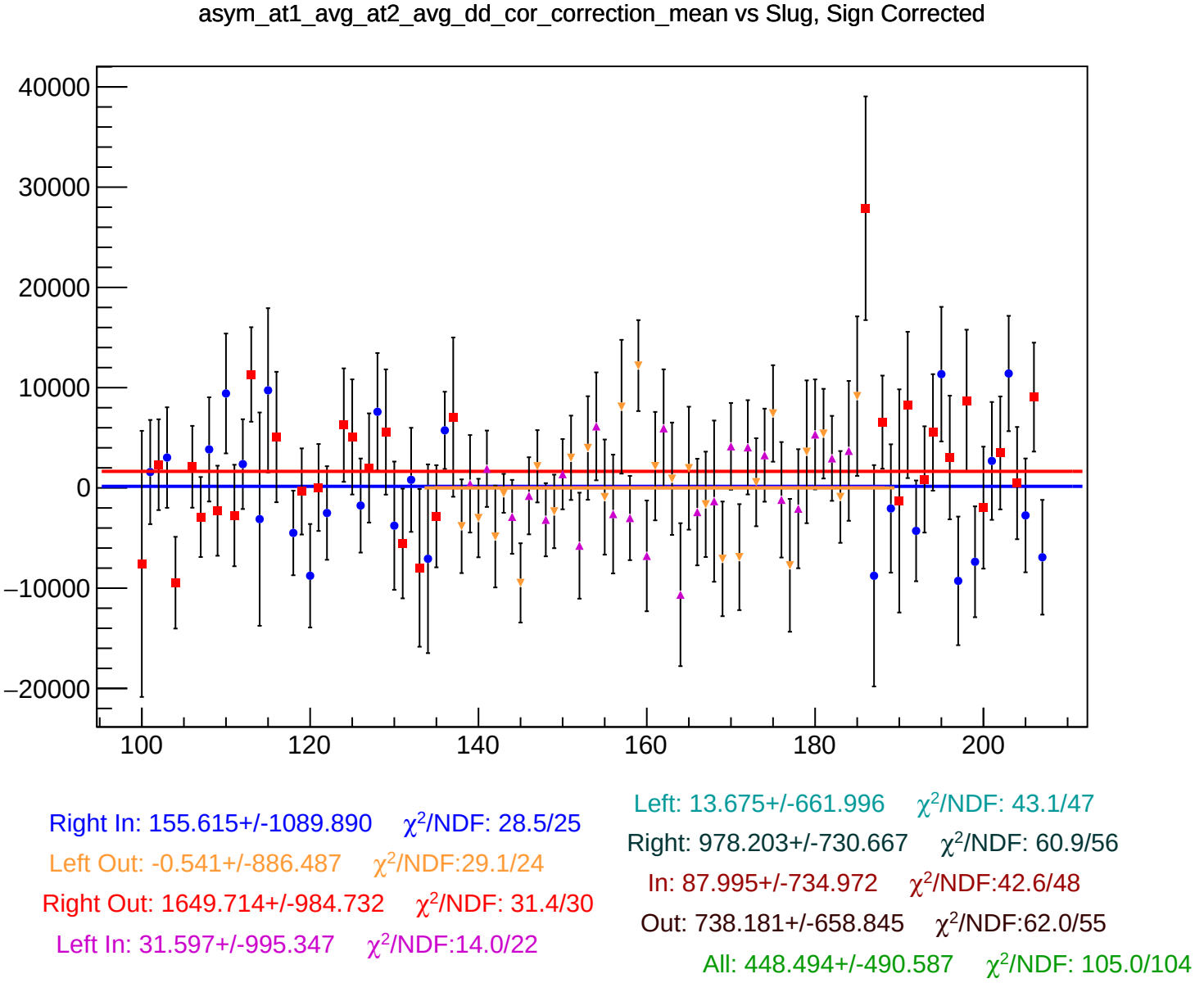
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

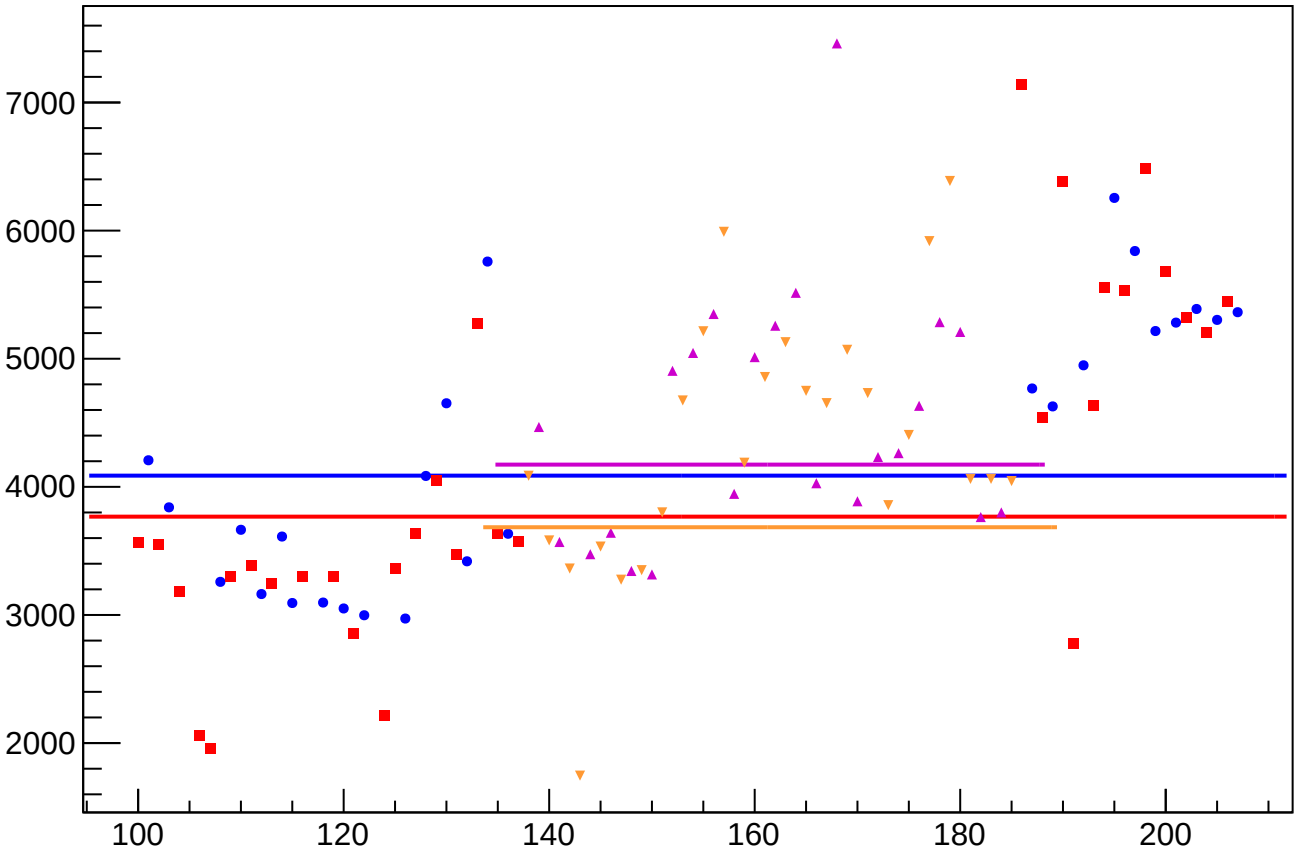
Right: 1282.684+/-0.164 χ^2/NDF: 1018904.9/56

In: 1265.776+/-0.156 χ^2/NDF:568735.1/48

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.299+/-0.109 χ^2/NDF: 1252910.0/10


asym_at1_avg_at2_avg_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 155.615+/-1089.890 χ²/NDF: 28.5/25
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1649.714+/-984.732 χ²/NDF: 31.4/30
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 978.203+/-730.667 χ²/NDF: 60.9/56
In: 87.995+/-734.972 χ²/NDF:42.6/48
Out: 738.181+/-658.845 χ²/NDF:62.0/55
All: 448.494+/-490.587 χ²/NDF: 105.0/104



Right In: 4087.510+/-0.771 χ^2/NDF: 1635775.4/25

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

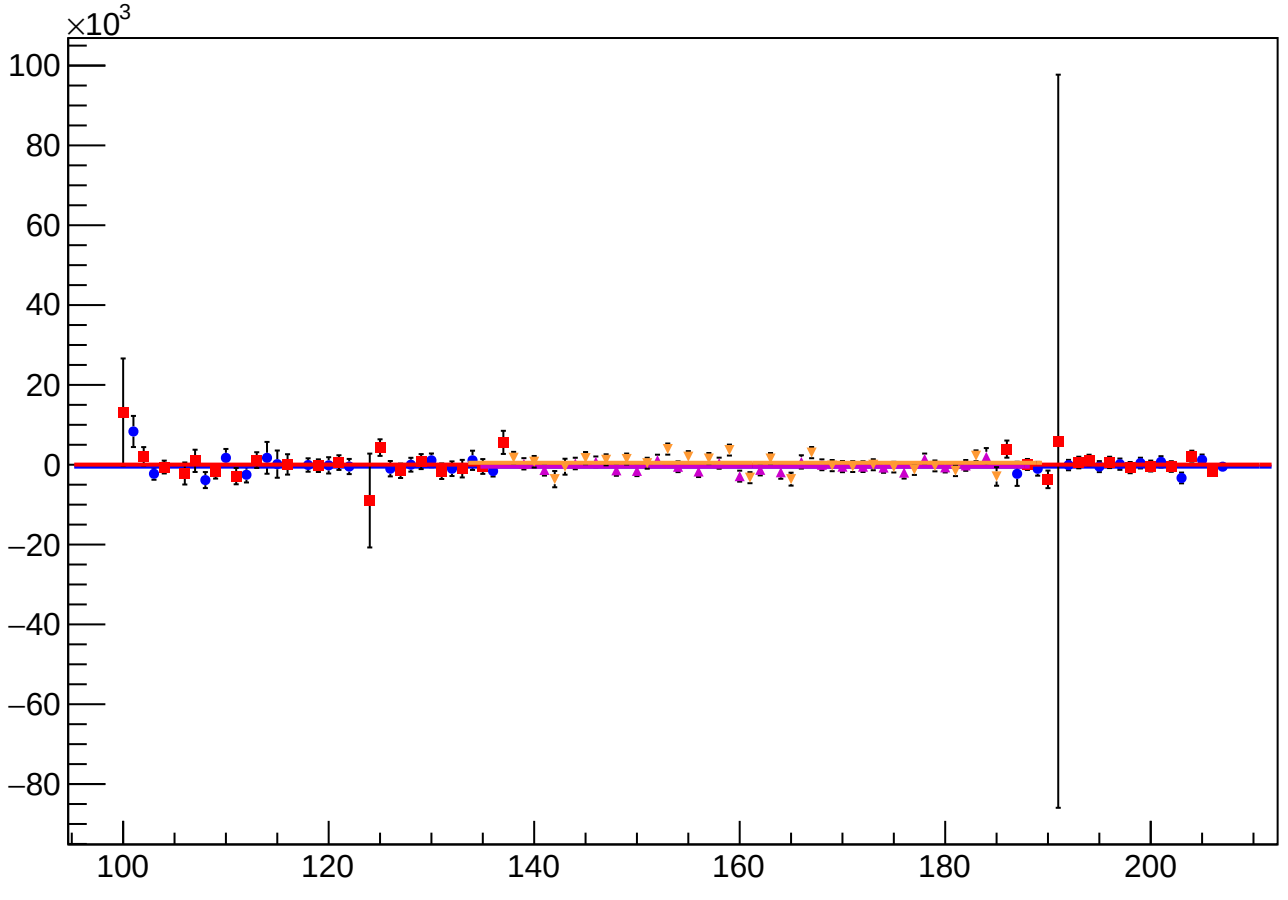
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3911.289+/-0.517 χ^2/NDF: 4716798.1/56

In: 4134.423+/-0.520 χ^2/NDF:2917539.0/48

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3905.625+/-0.347 χ^2/NDF: 9954631.9/10



Right In: -478.242+/-332.890 χ^2/NDF: 21.9/25

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

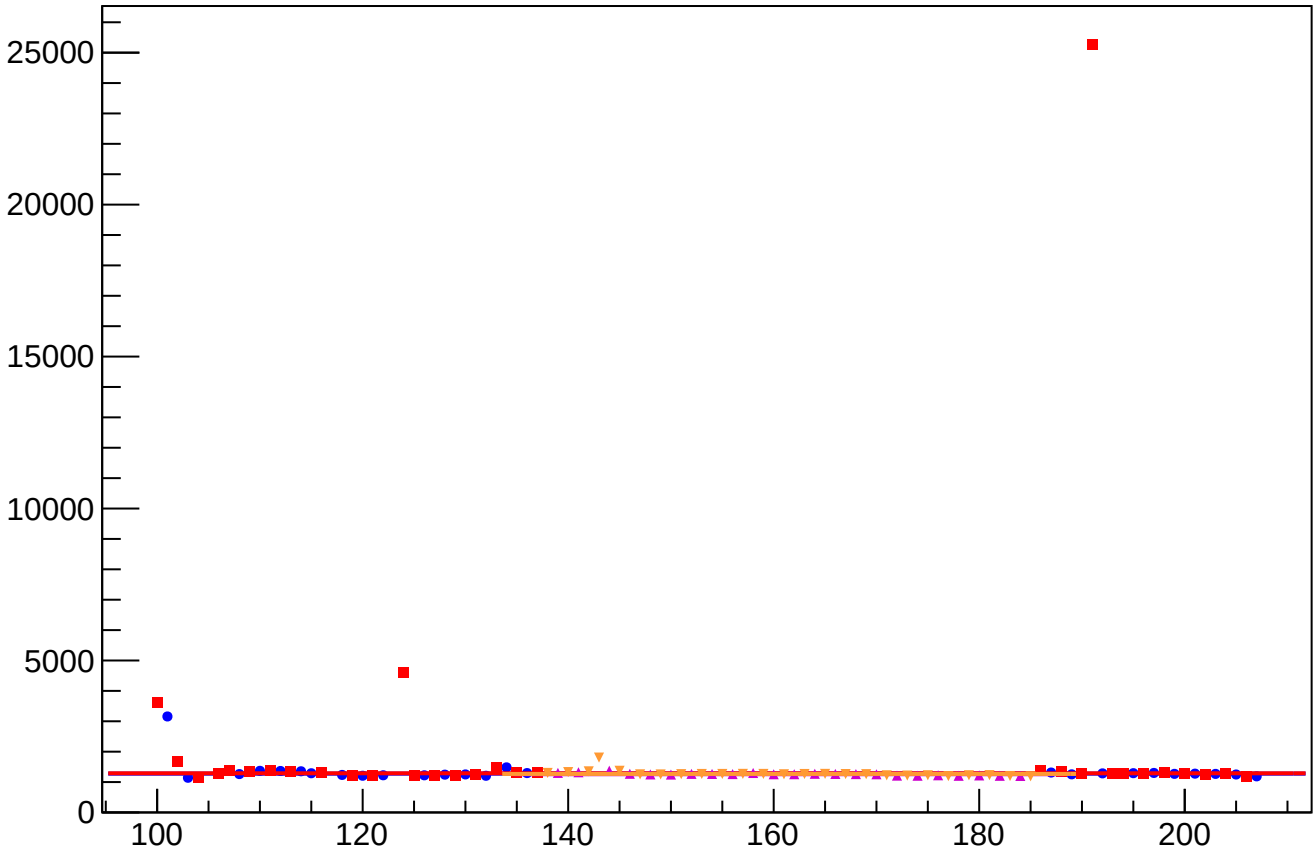
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -216.756+/-232.203 χ^2/NDF: 51.6/56

In: -483.008+/-220.265 χ^2/NDF:36.3/48

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -88.914+/-154.030 χ^2/NDF: 119.1/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528337.9/25

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

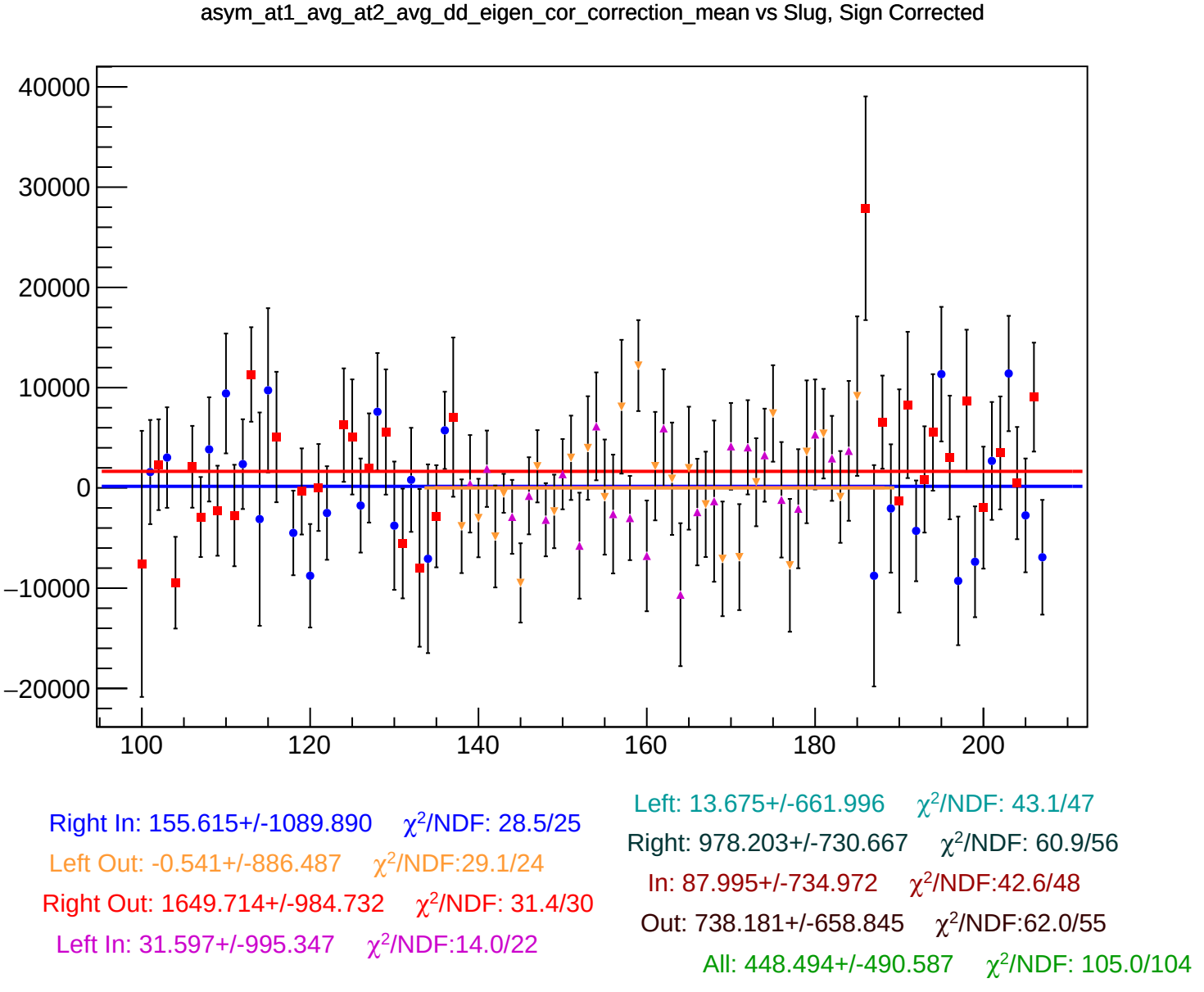
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1282.684+/-0.164 χ^2/NDF: 1018904.9/56

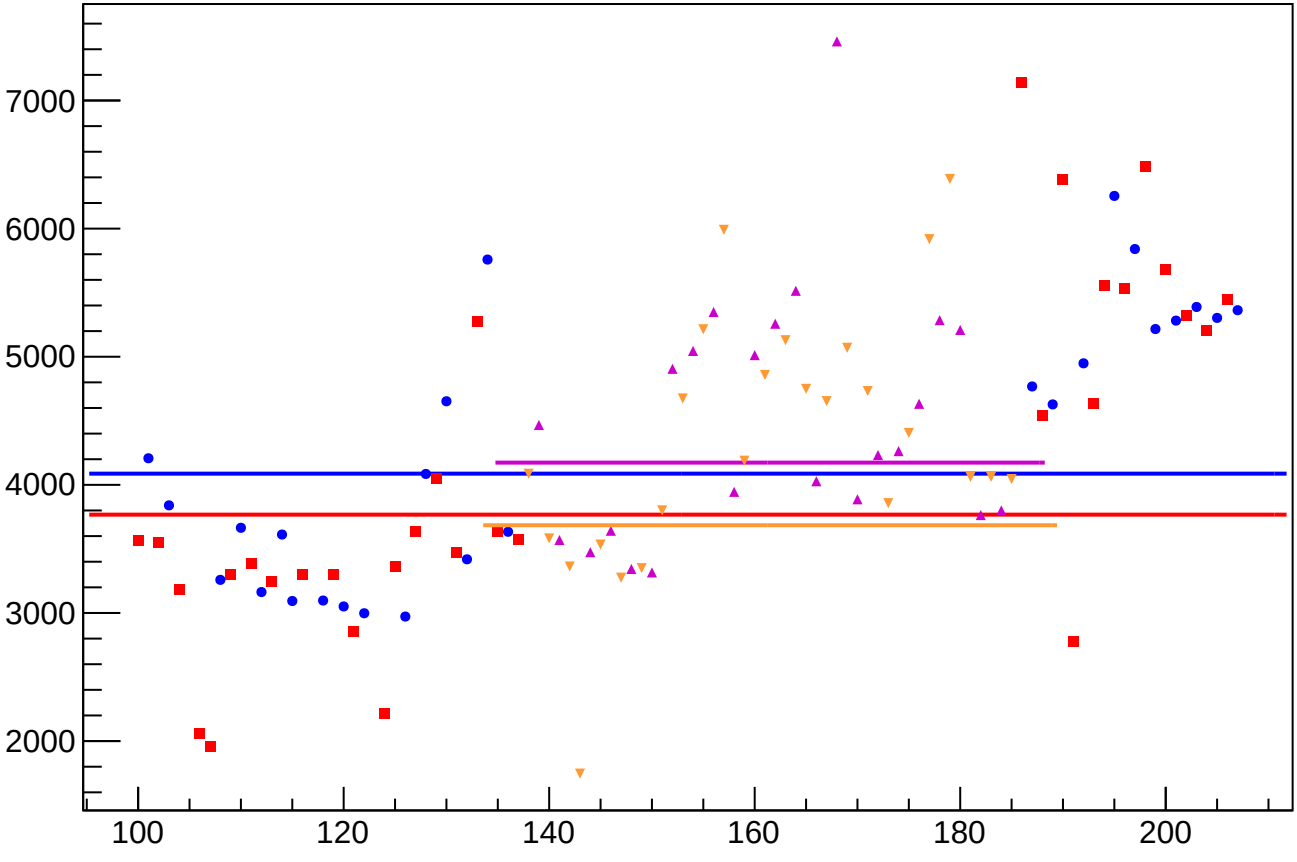
In: 1265.776+/-0.156 χ^2/NDF:568735.1/48

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.299+/-0.109 χ^2/NDF: 1252910.0/10


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 155.615+/-1089.890 χ²/NDF: 28.5/25
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1649.714+/-984.732 χ²/NDF: 31.4/30
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 978.203+/-730.667 χ²/NDF: 60.9/56
In: 87.995+/-734.972 χ²/NDF:42.6/48
Out: 738.181+/-658.845 χ²/NDF:62.0/55
All: 448.494+/-490.587 χ²/NDF: 105.0/104

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4087.510+/-0.771 χ^2/NDF: 1635775.4/25

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

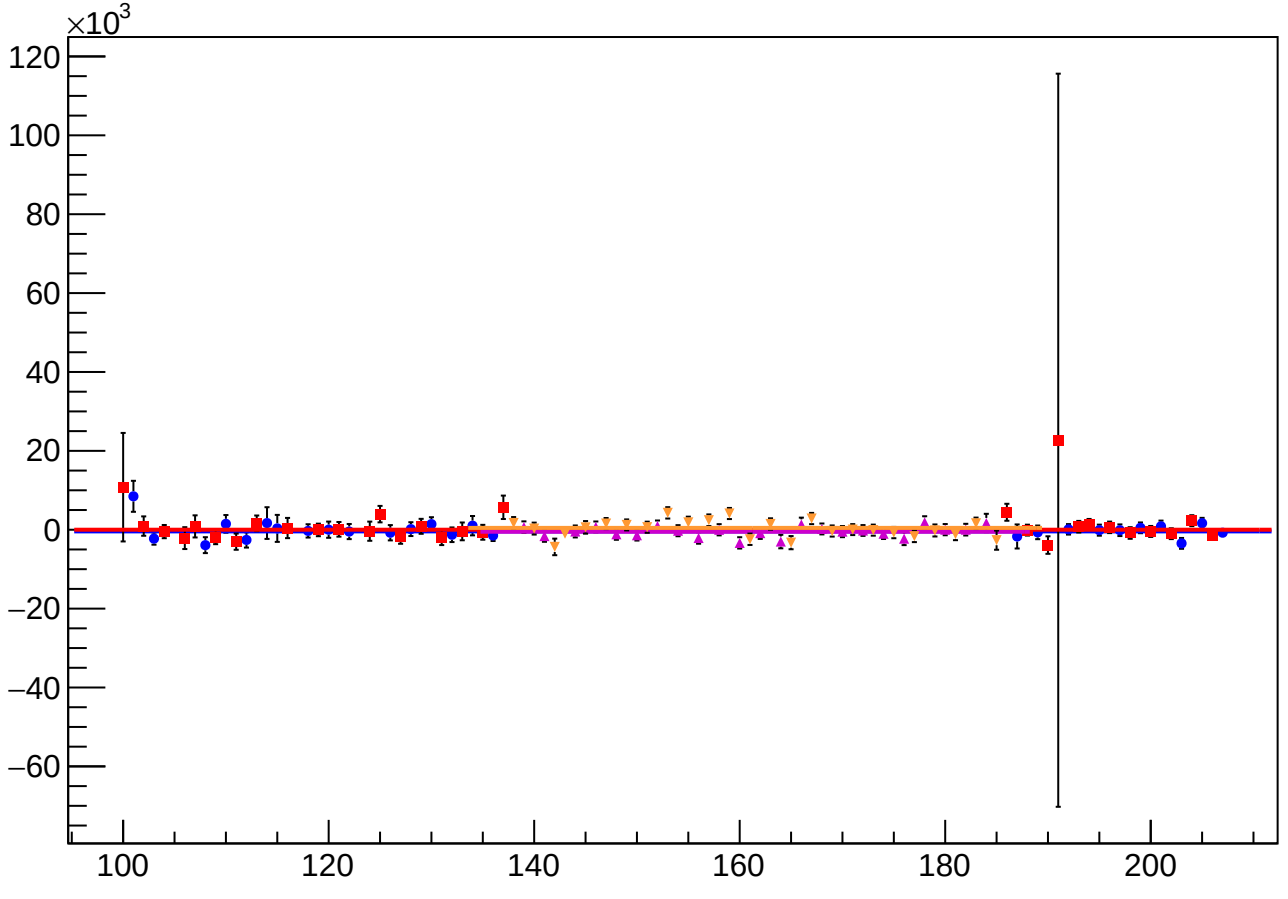
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3911.289+/-0.517 χ^2/NDF: 4716798.1/56

In: 4134.423+/-0.520 χ^2/NDF:2917539.0/48

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3905.625+/-0.347 χ^2/NDF: 9954631.9/10



Right In: -418.078+/-337.671 χ^2/NDF: 23.2/25

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

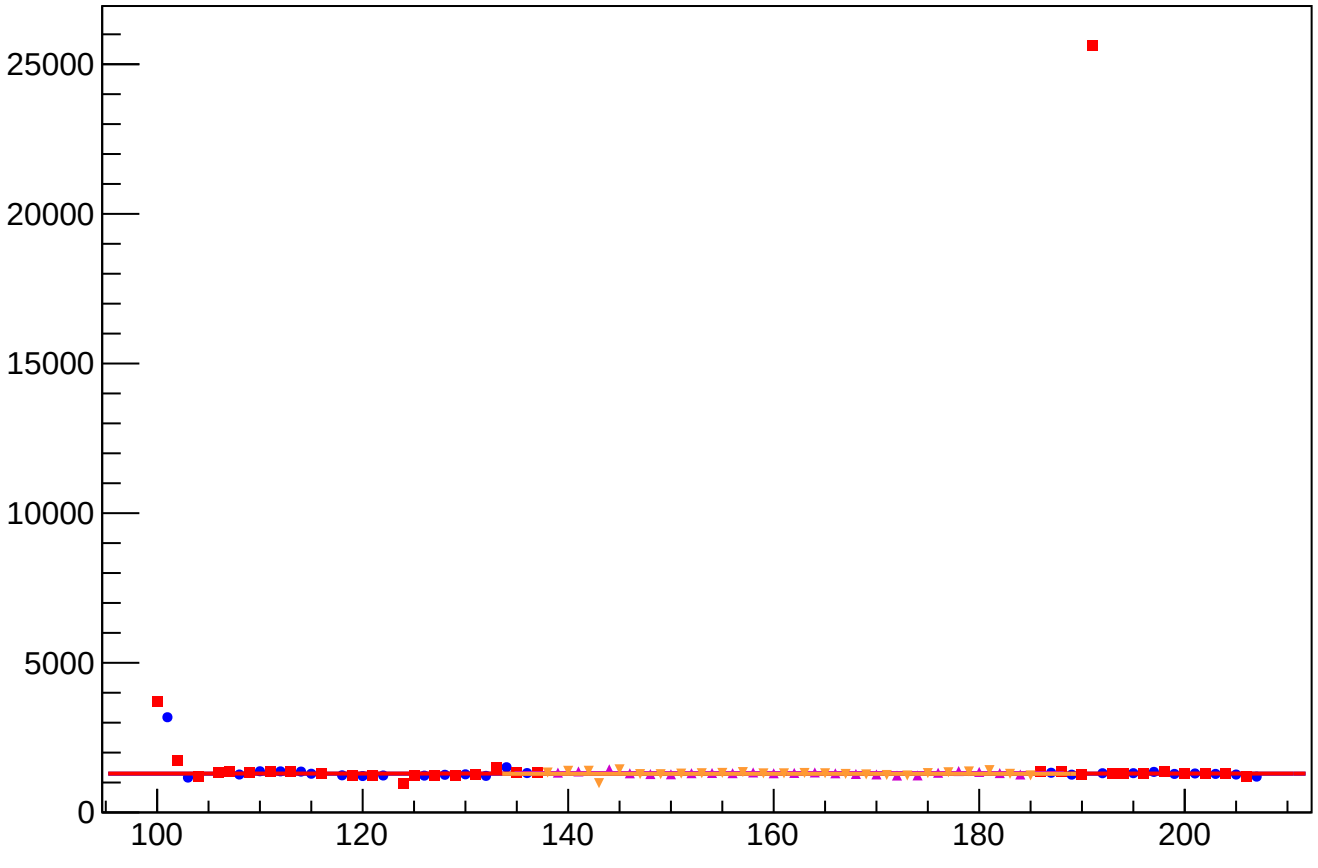
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -199.452+/-234.736 χ^2/NDF: 53.0/56

In: -464.868+/-227.175 χ^2/NDF:40.7/48

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -88.243+/-157.517 χ^2/NDF: 120.2/104



Right In: 1294.519+/-0.239 χ^2/NDF: 528815.0/25

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

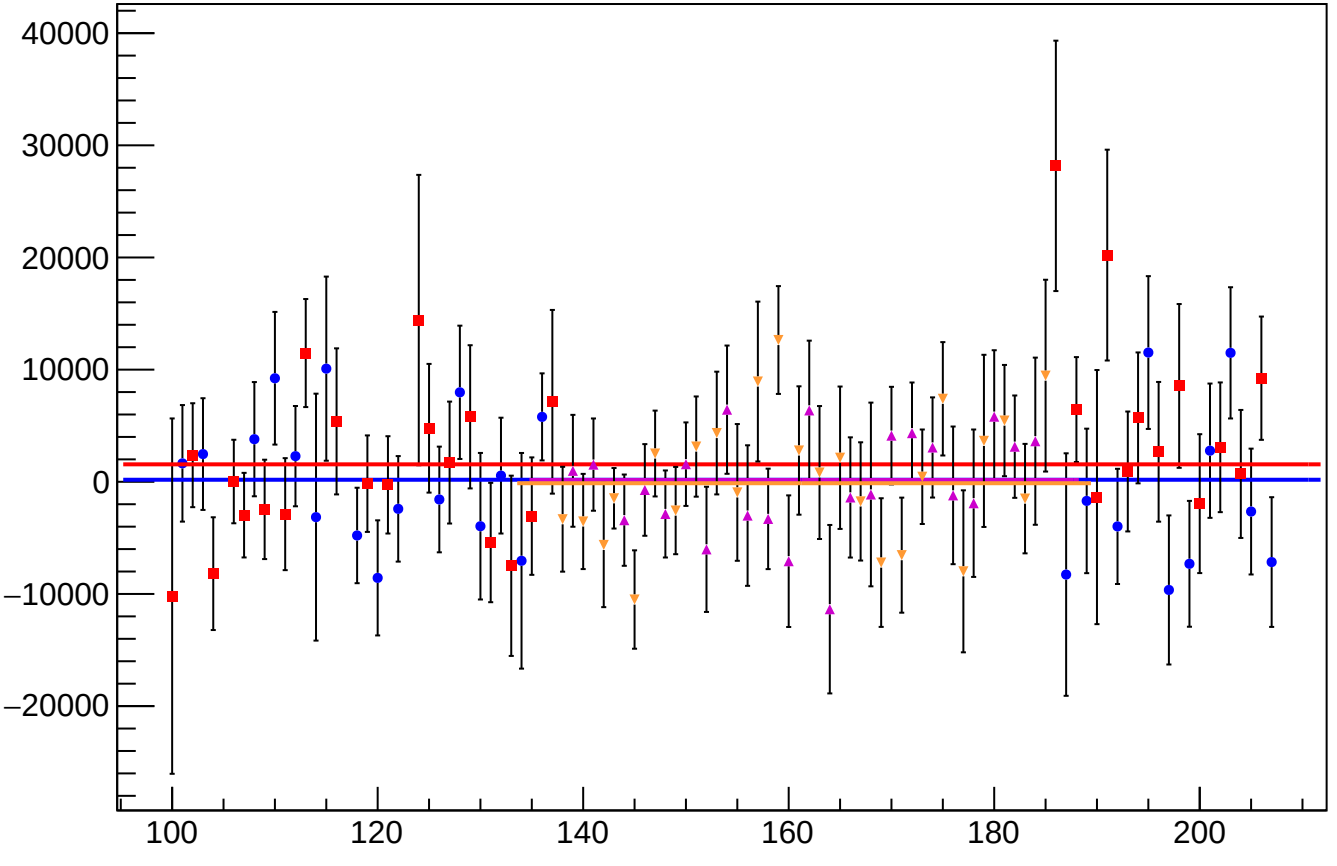
Right: 1297.364+/-0.166 χ^2/NDF: 907059.7/56

In: 1305.186+/-0.161 χ^2/NDF:575505.7/48

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1299.980+/-0.111 χ^2/NDF: 1187037.2/10

asym_at1_avg_at2_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 182.170+/-1095.752 χ^2/NDF: 28.3/25

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

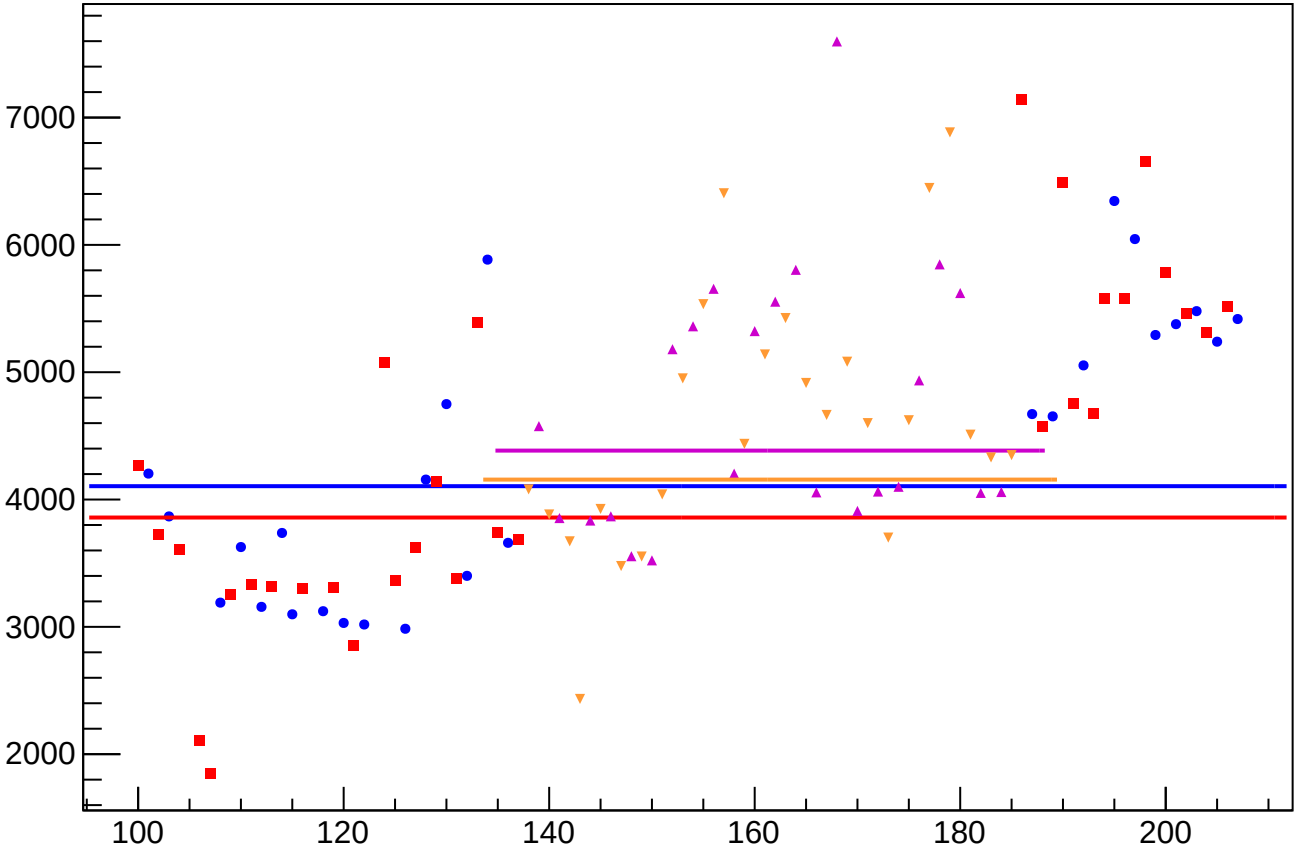
Right: 930.755+/-739.454 χ^2/NDF: 62.2/56

In: 170.279+/-756.425 χ^2/NDF:42.1/48

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 452.357+/-513.609 χ^2/NDF: 105.4/104

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4104.906+/-0.775 χ^2/NDF: 1720690.2/25

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

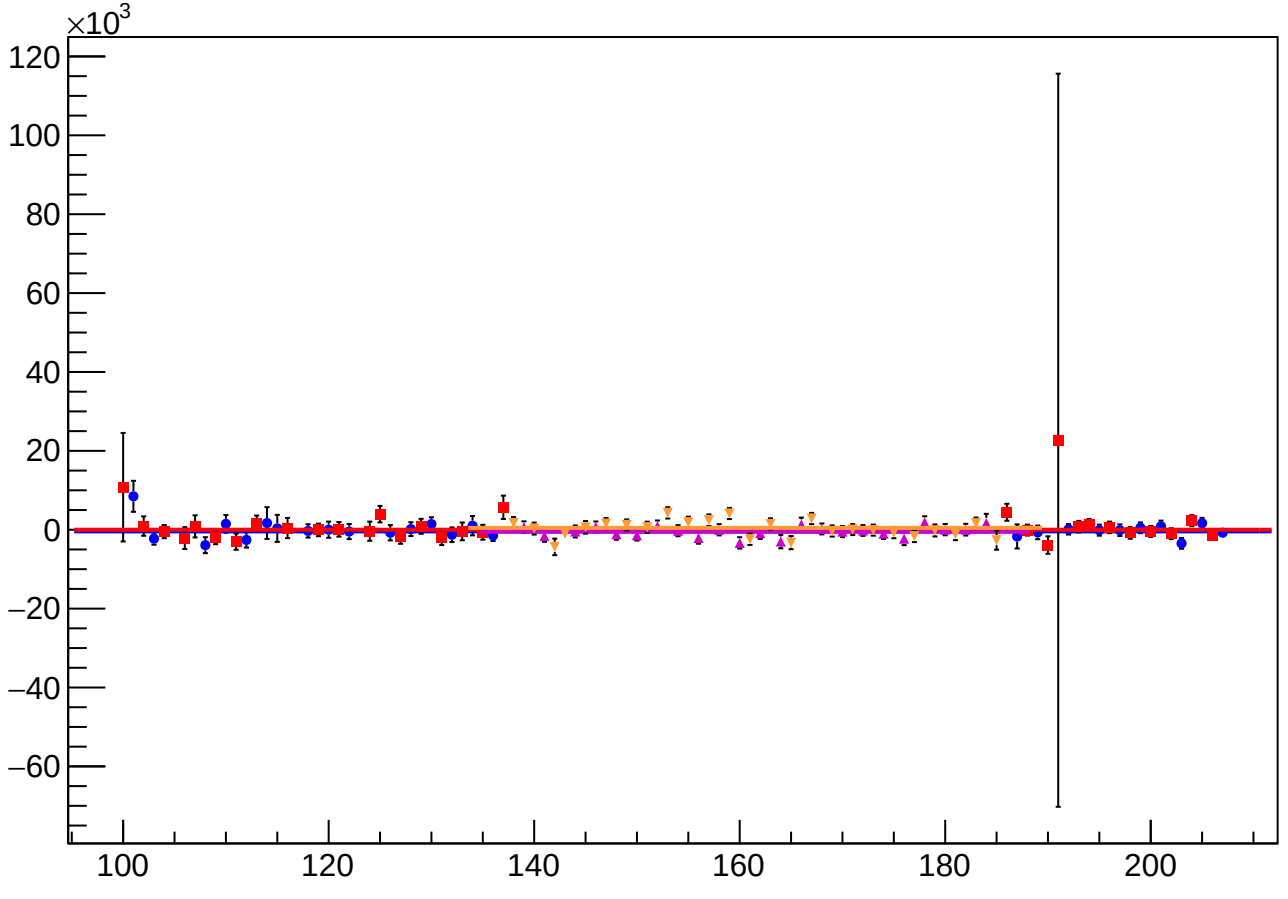
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3970.808+/-0.523 χ^2/NDF: 4833510.2/56

In: 4251.167+/-0.535 χ^2/NDF:3044235.9/48

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4121.918+/-0.363 χ^2/NDF: 8381768.6/10



Right In: -418.078+/-337.671 χ^2/NDF: 23.2/25

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

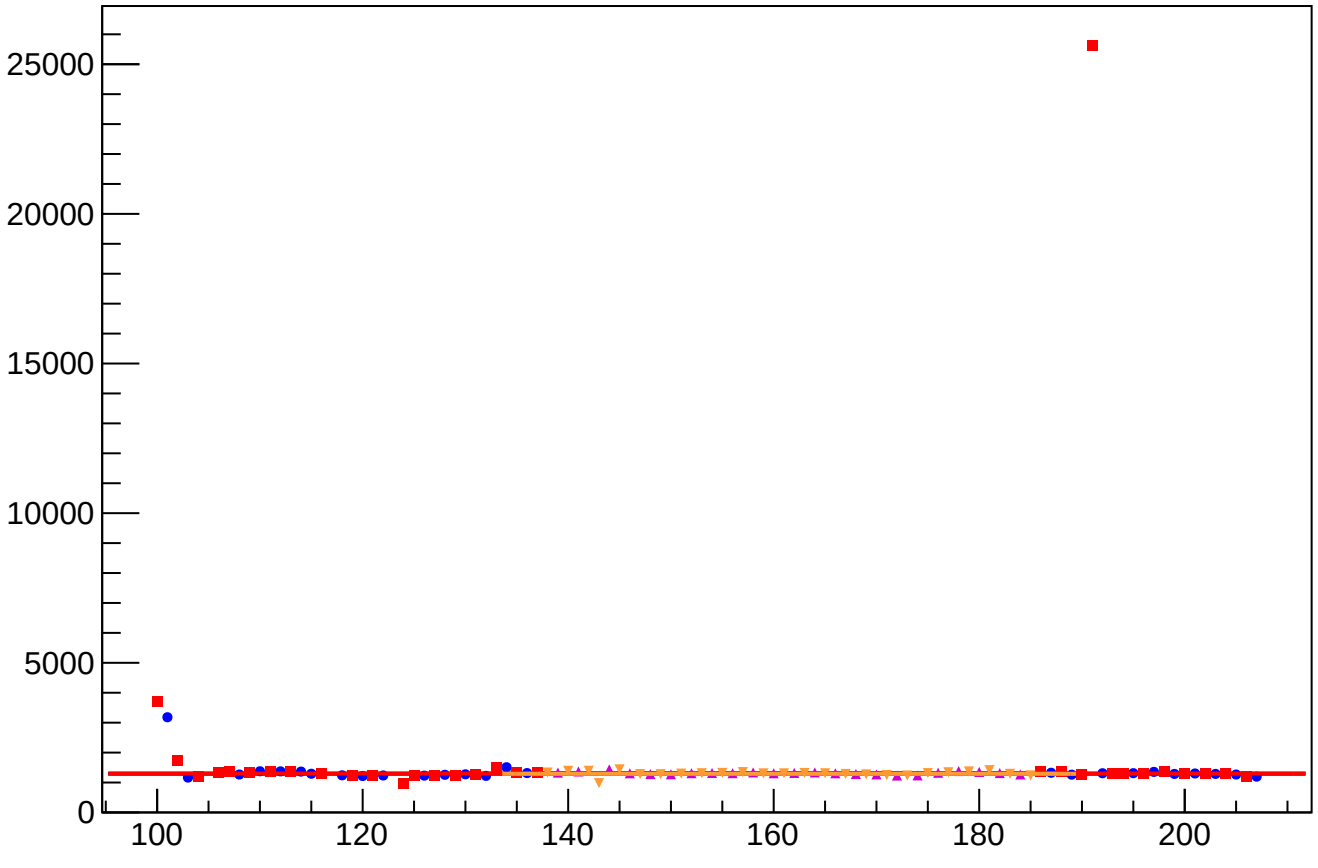
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -199.452+/-234.736 χ^2/NDF: 53.0/56

In: -464.868+/-227.175 χ^2/NDF:40.7/48

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -88.242+/-157.517 χ^2/NDF: 120.2/104



Right In: 1294.519+/-0.239 χ^2/NDF: 528815.1/25

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

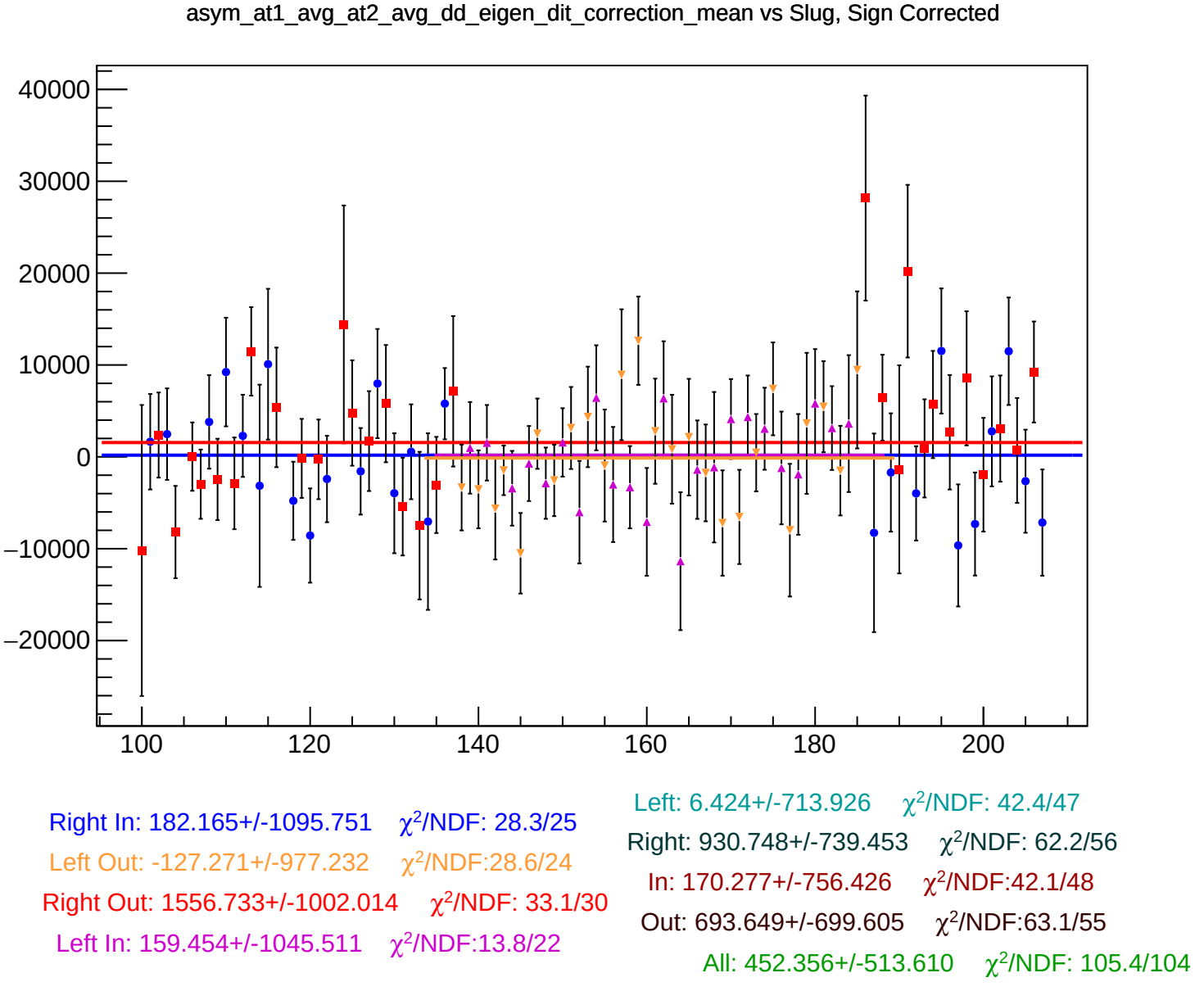
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

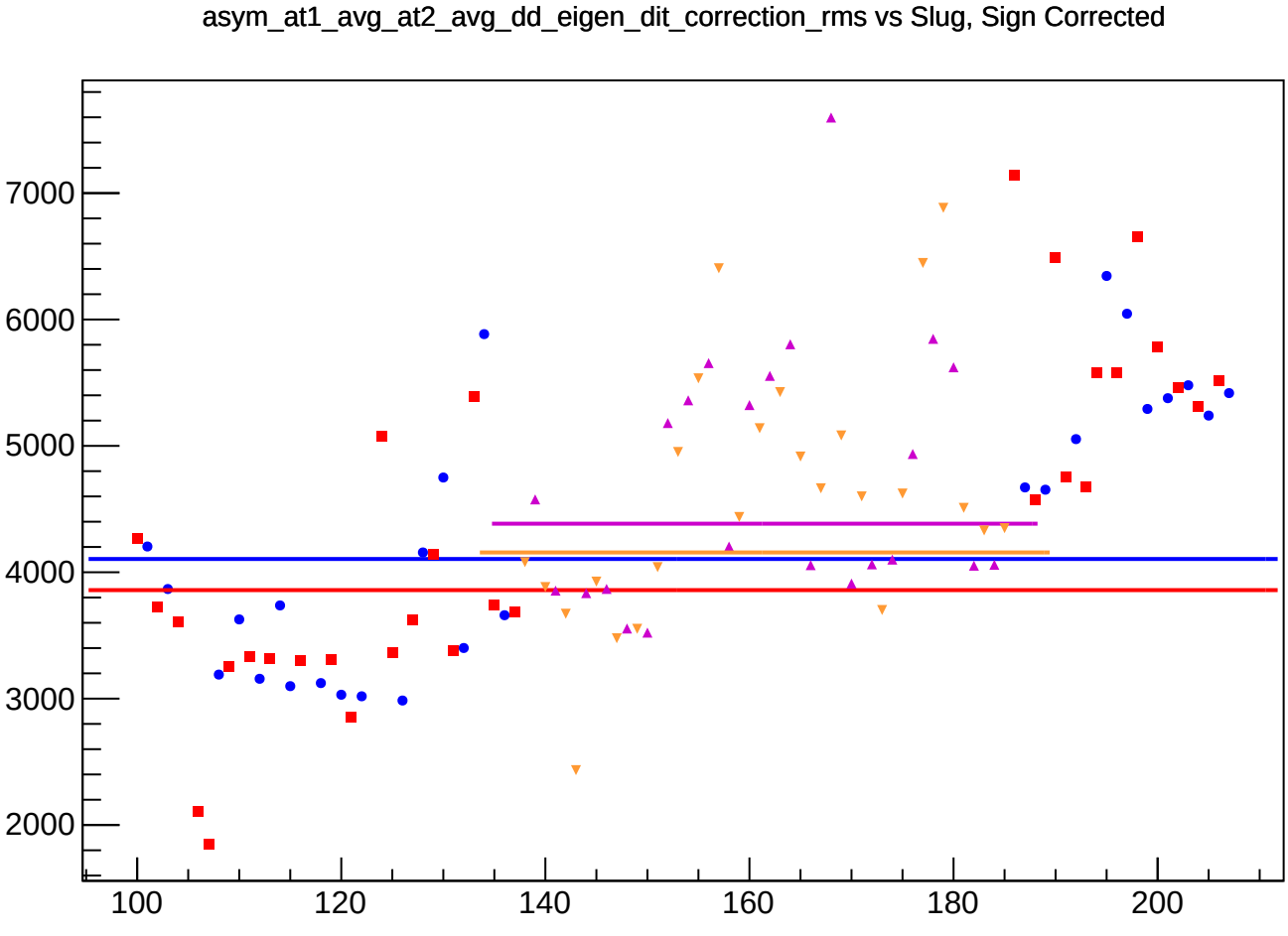
Right: 1297.365+/-0.166 χ^2/NDF: 907060.0/56

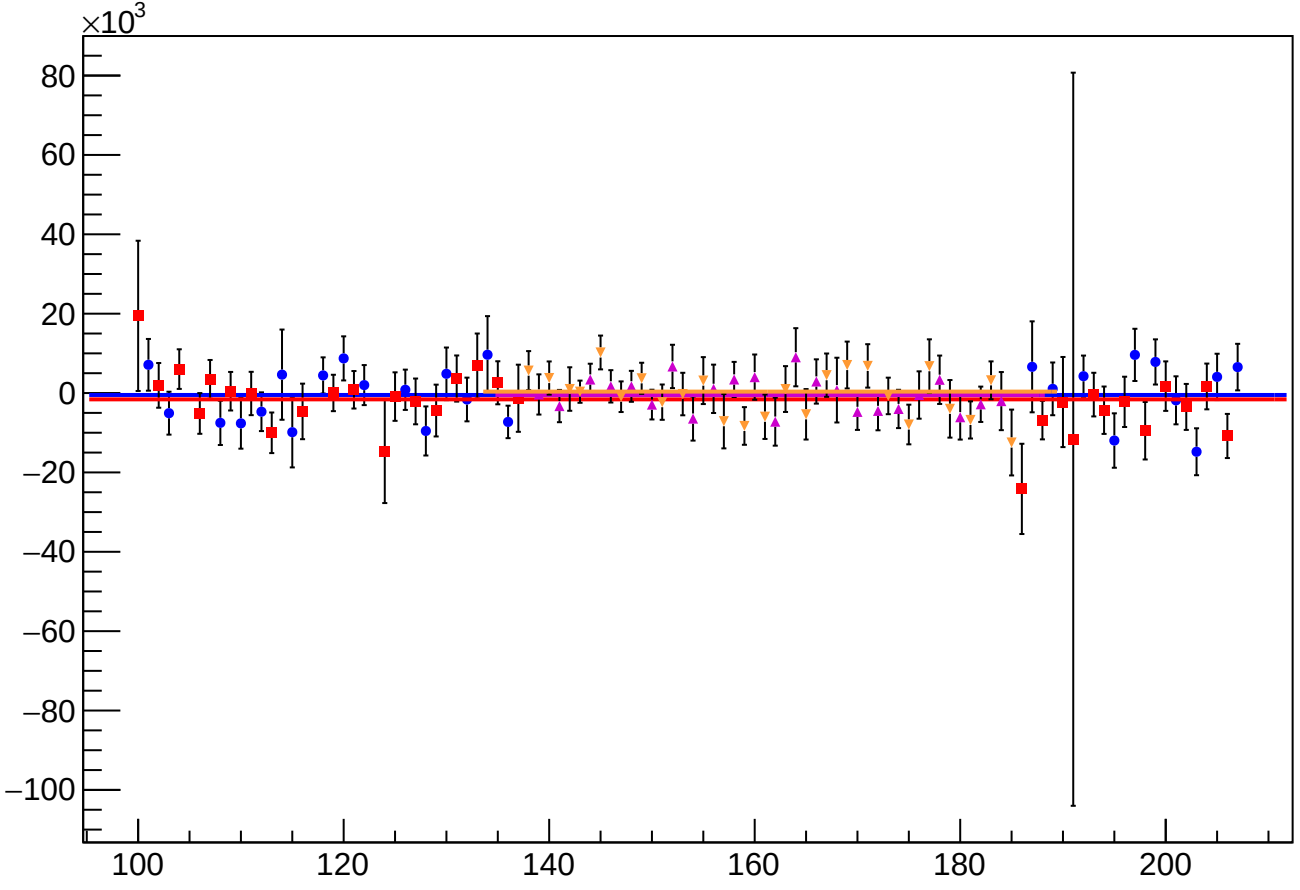
In: 1305.186+/-0.161 χ^2/NDF:575508.4/48

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1299.981+/-0.111 χ^2/NDF: 1187042.3/10


asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 182.165+/-1095.751 χ²/NDF: 28.3/25
Left Out: -127.271+/-977.232 χ²/NDF:28.6/24
Right Out: 1556.733+/-1002.014 χ²/NDF: 33.1/30
Left In: 159.454+/-1045.511 χ²/NDF:13.8/22
Left: 6.424+/-713.926 χ²/NDF: 42.4/47
Right: 930.748+/-739.453 χ²/NDF: 62.2/56
In: 170.277+/-756.426 χ²/NDF:42.1/48
Out: 693.649+/-699.605 χ²/NDF:63.1/55
All: 452.356+/-513.610 χ²/NDF: 105.4/104


asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4104.899+/-0.775 χ²/NDF: 1720719.4/25
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: 3970.802+/-0.523 χ²/NDF: 4833567.9/56
In: 4251.167+/-0.535 χ²/NDF:3044275.9/48
Out: 4011.357+/-0.495 χ²/NDF:5229230.8/55
All: 4121.917+/-0.363 χ²/NDF: 8381847.8/10



Right In: -484.908+/-1158.644 χ^2/NDF: 34.4/25

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

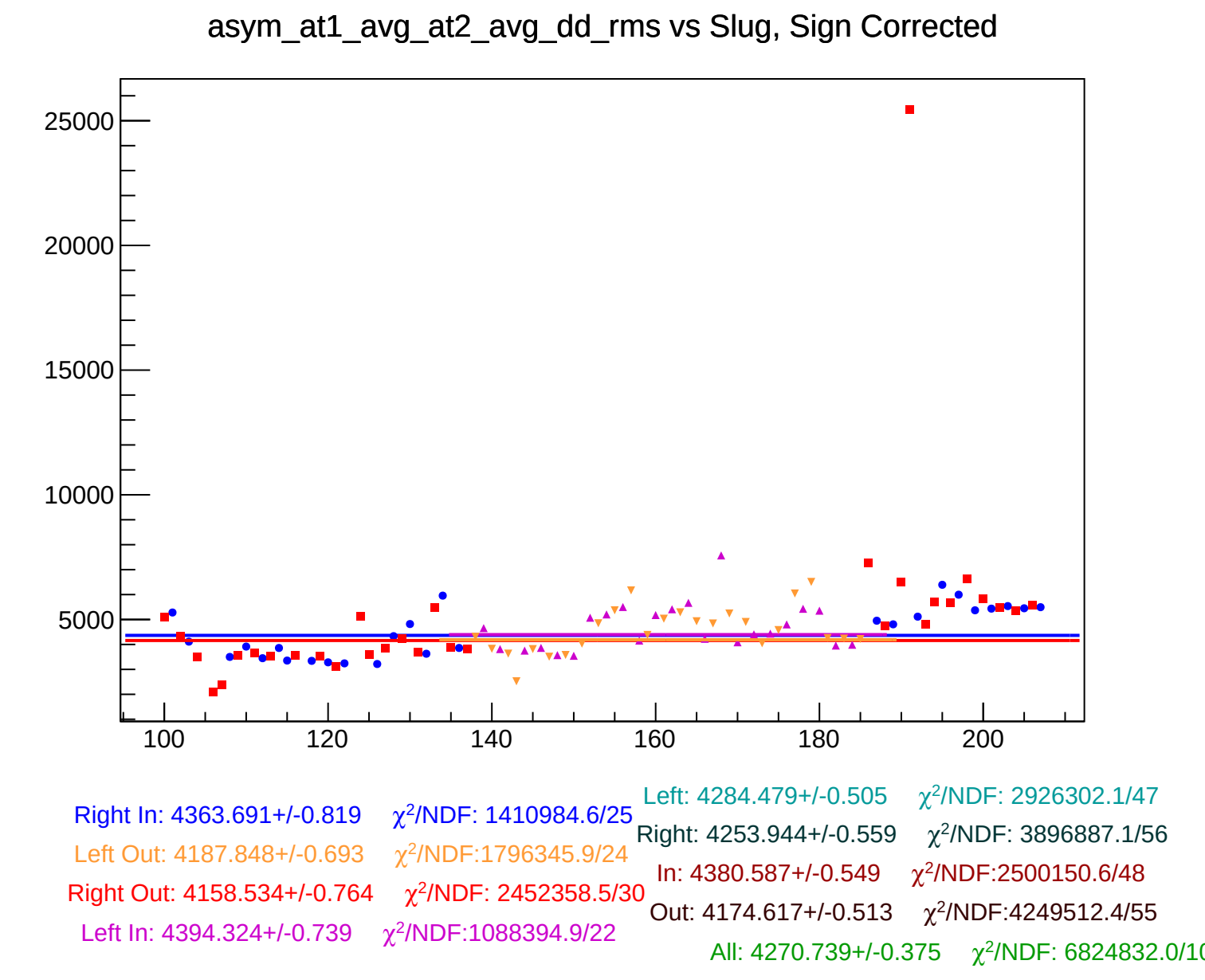
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

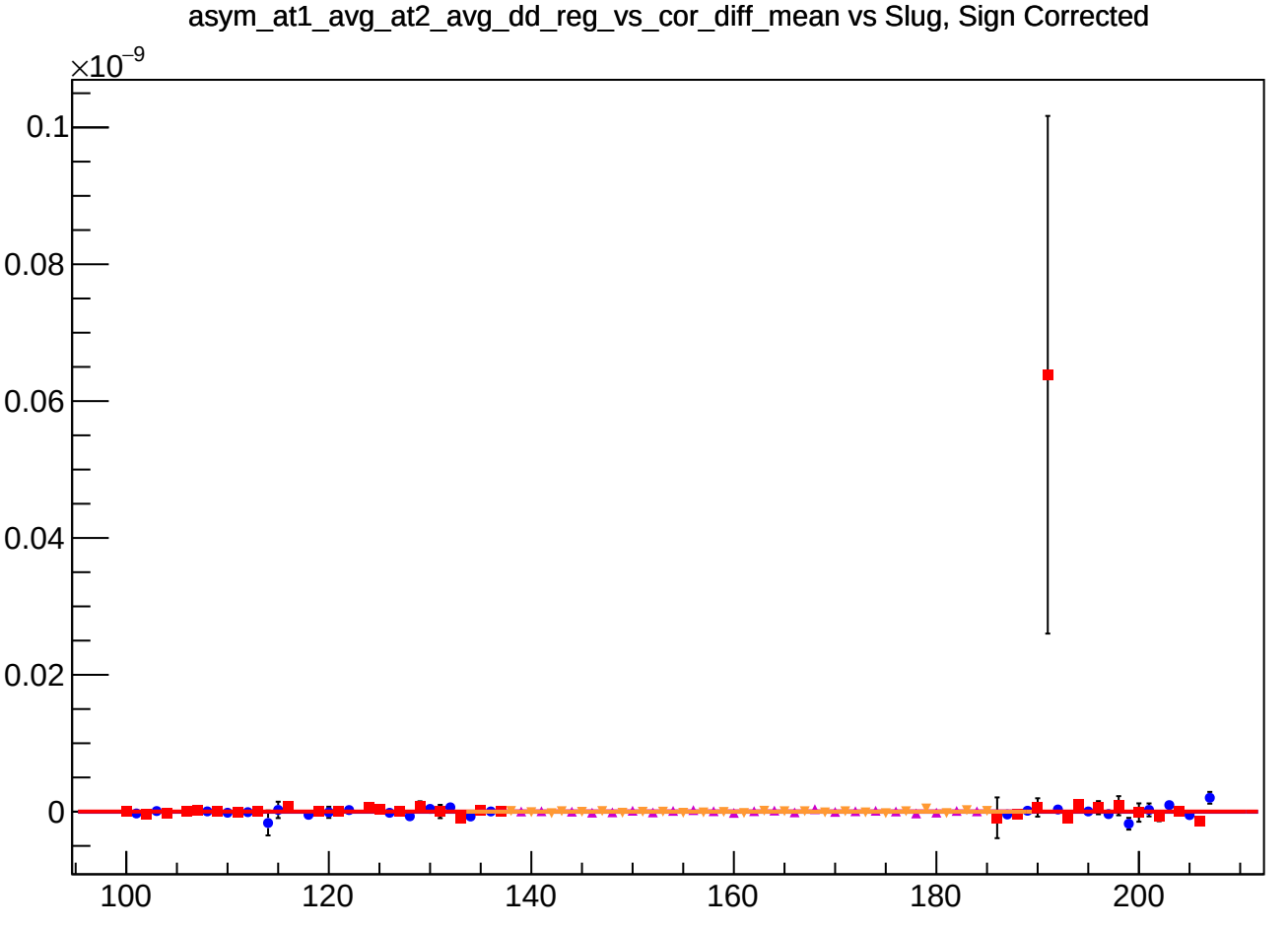
Right: -1071.019+/-794.014 χ^2/NDF: 57.7/56

In: -491.865+/-775.882 χ^2/NDF:48.3/48

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -501.440+/-531.200 χ^2/NDF: 100.5/104


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4363.691+/-0.819 χ²/NDF: 1410984.6/25
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: 4253.944+/-0.559 χ²/NDF: 3896887.1/56
In: 4380.587+/-0.549 χ²/NDF:2500150.6/48
Out: 4174.617+/-0.513 χ²/NDF:4249512.4/55
All: 4270.739+/-0.375 χ²/NDF: 6824832.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/25

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

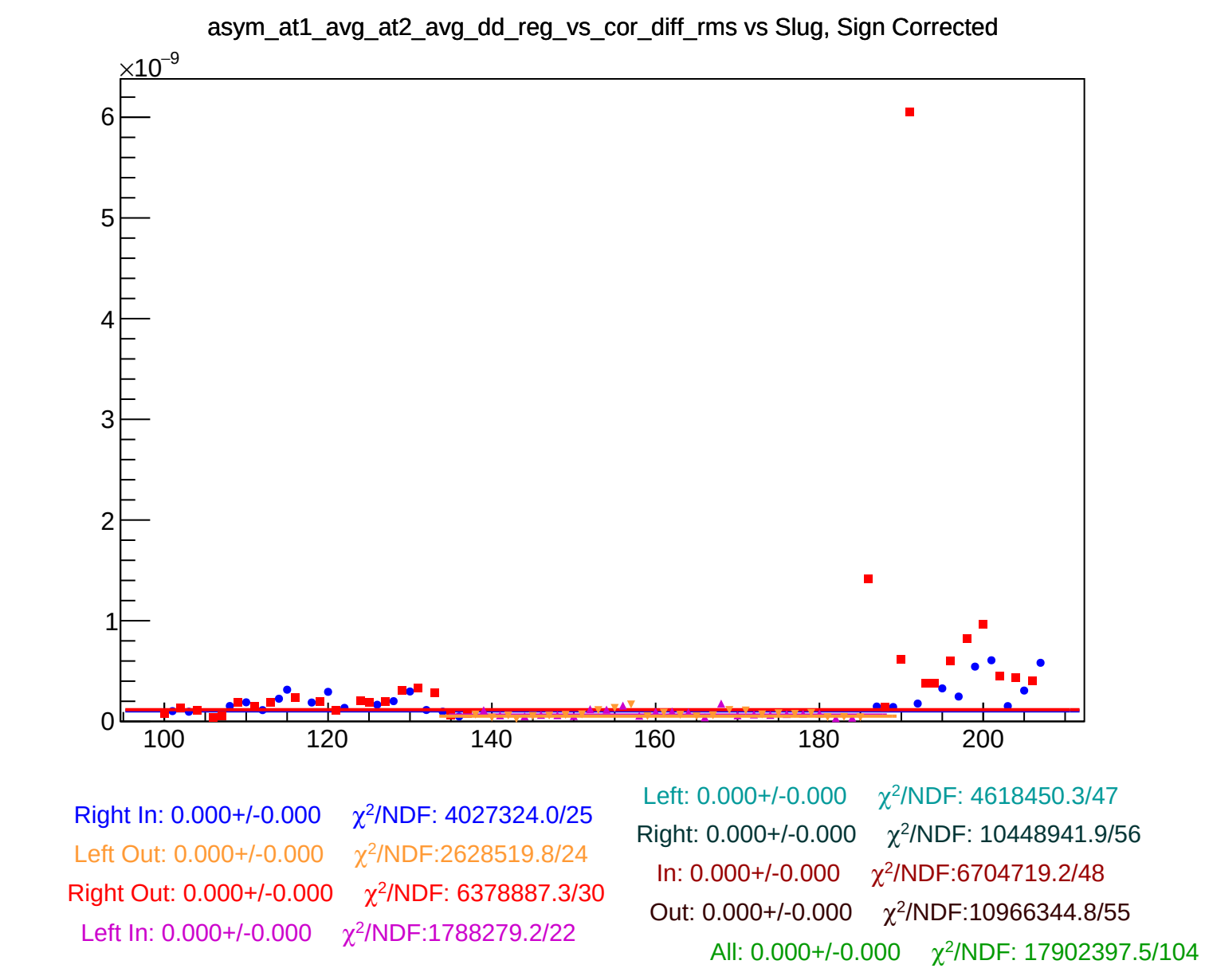
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/56

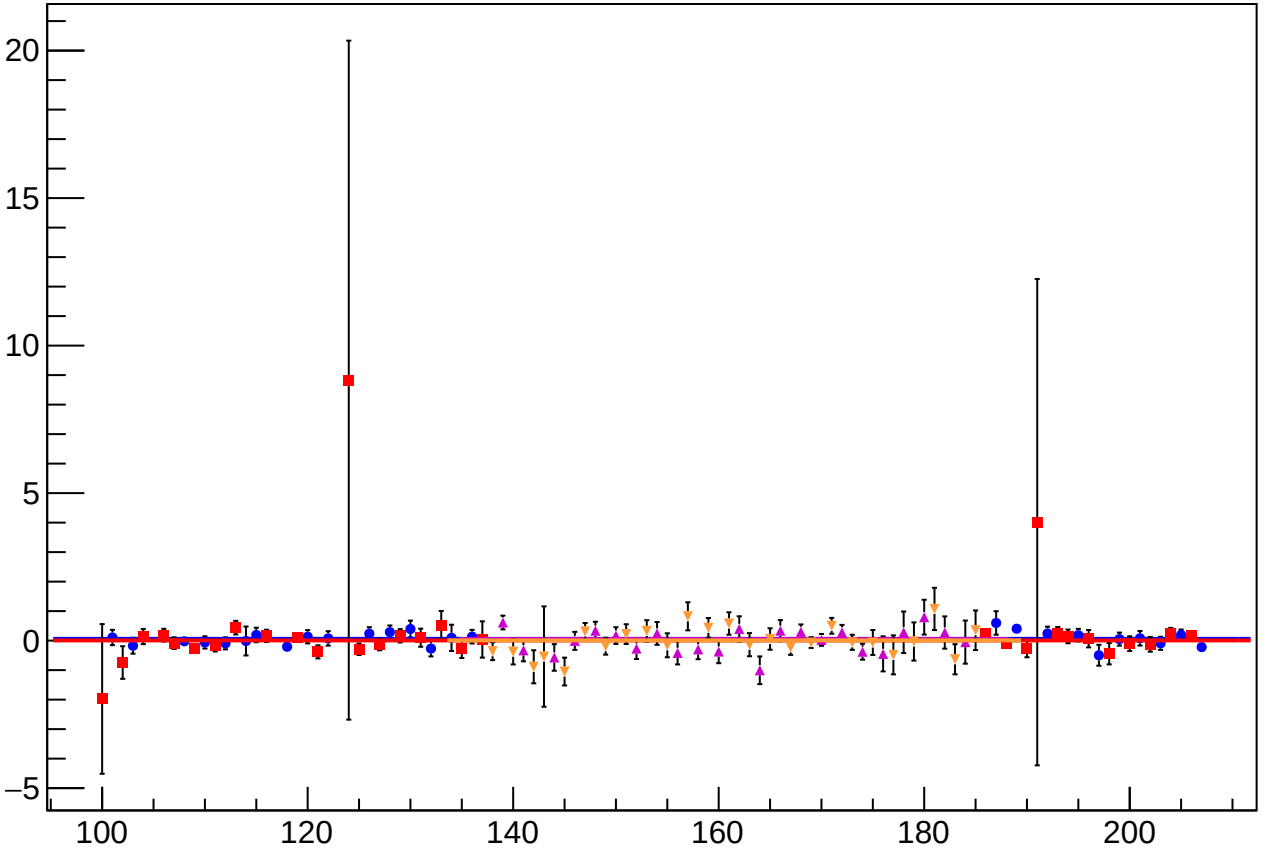
In: 0.000+/-0.000 χ^2/NDF:51.8/48

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 115.6/104


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: 4027324.0/25
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: 10448941.9/56
In: 0.000+/-0.000 χ²/NDF:6704719.2/48
Out: 0.000+/-0.000 χ²/NDF:10966344.8/55
All: 0.000+/-0.000 χ²/NDF: 17902397.5/104

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

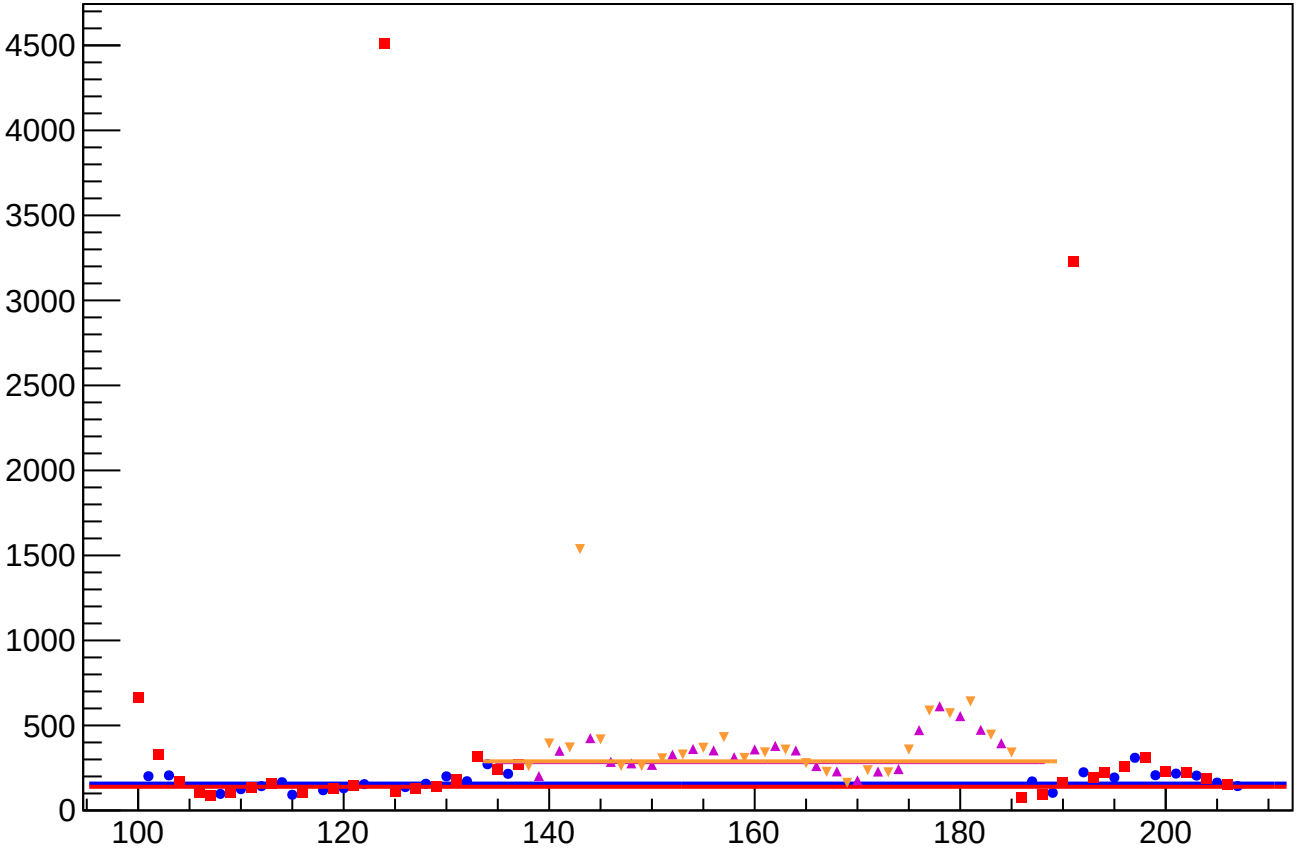
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235932.9/25

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

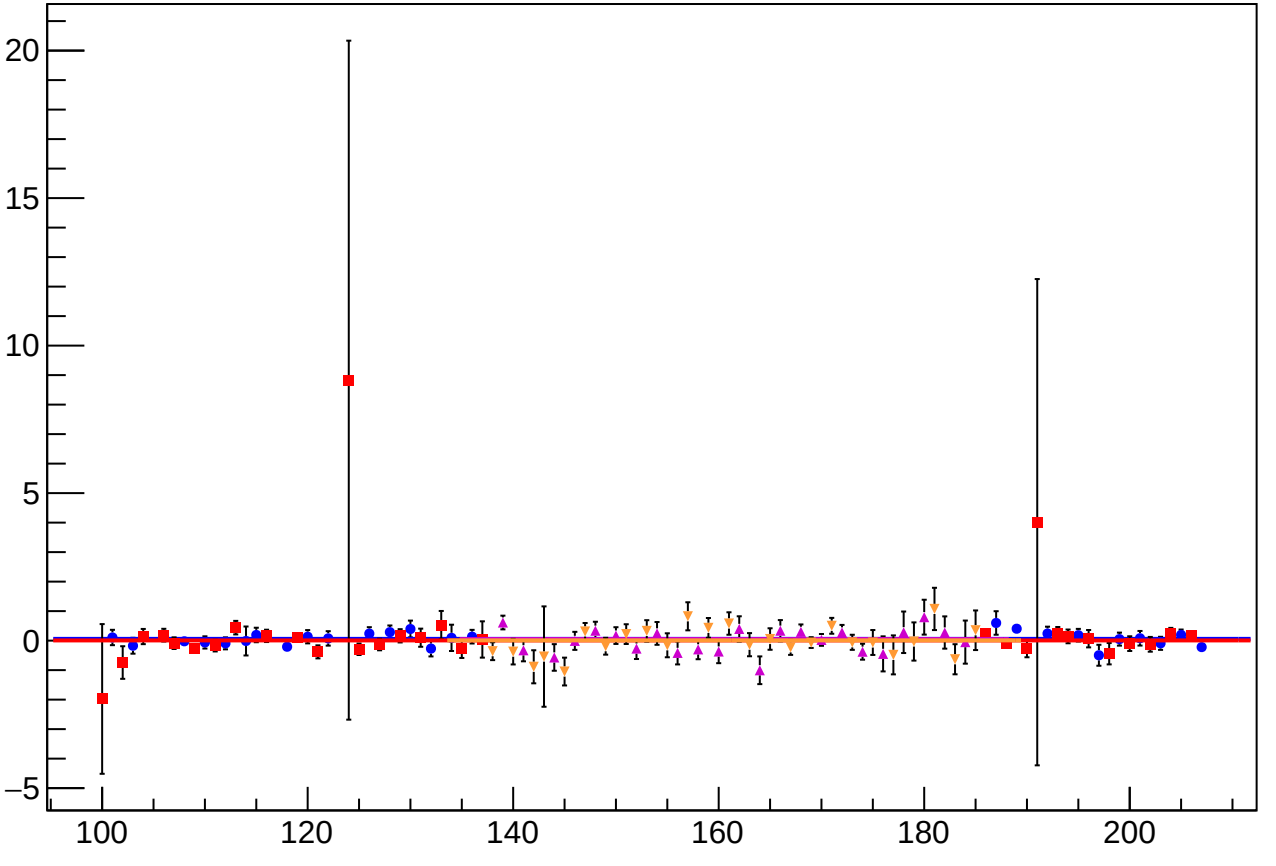
Right: 147.578+/-0.020 χ^2/NDF: 7119648.1/56

In: 192.949+/-0.026 χ^2/NDF:9953913.7/48

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 182.453+/-0.018 χ^2/NDF: 26418523.1/10

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

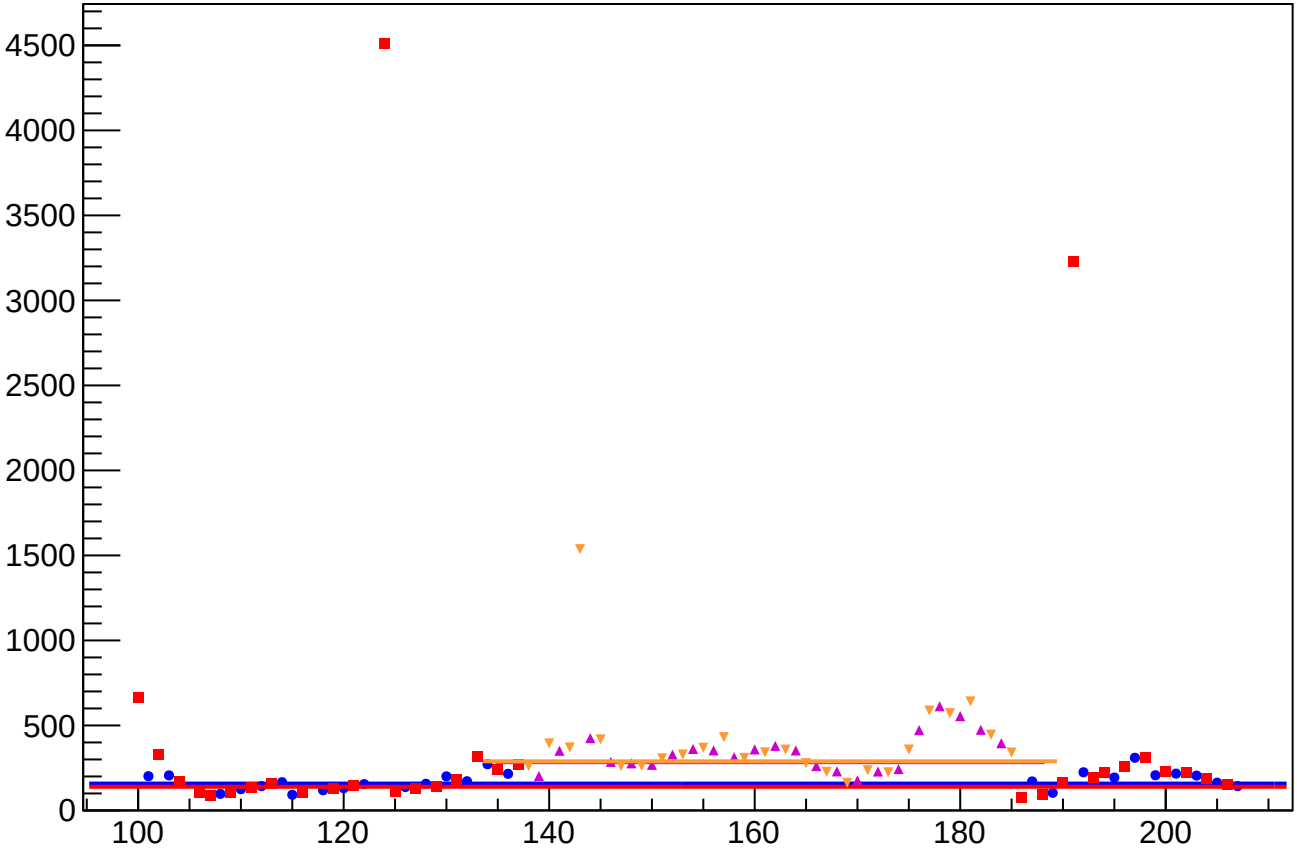
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235932.9/25

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

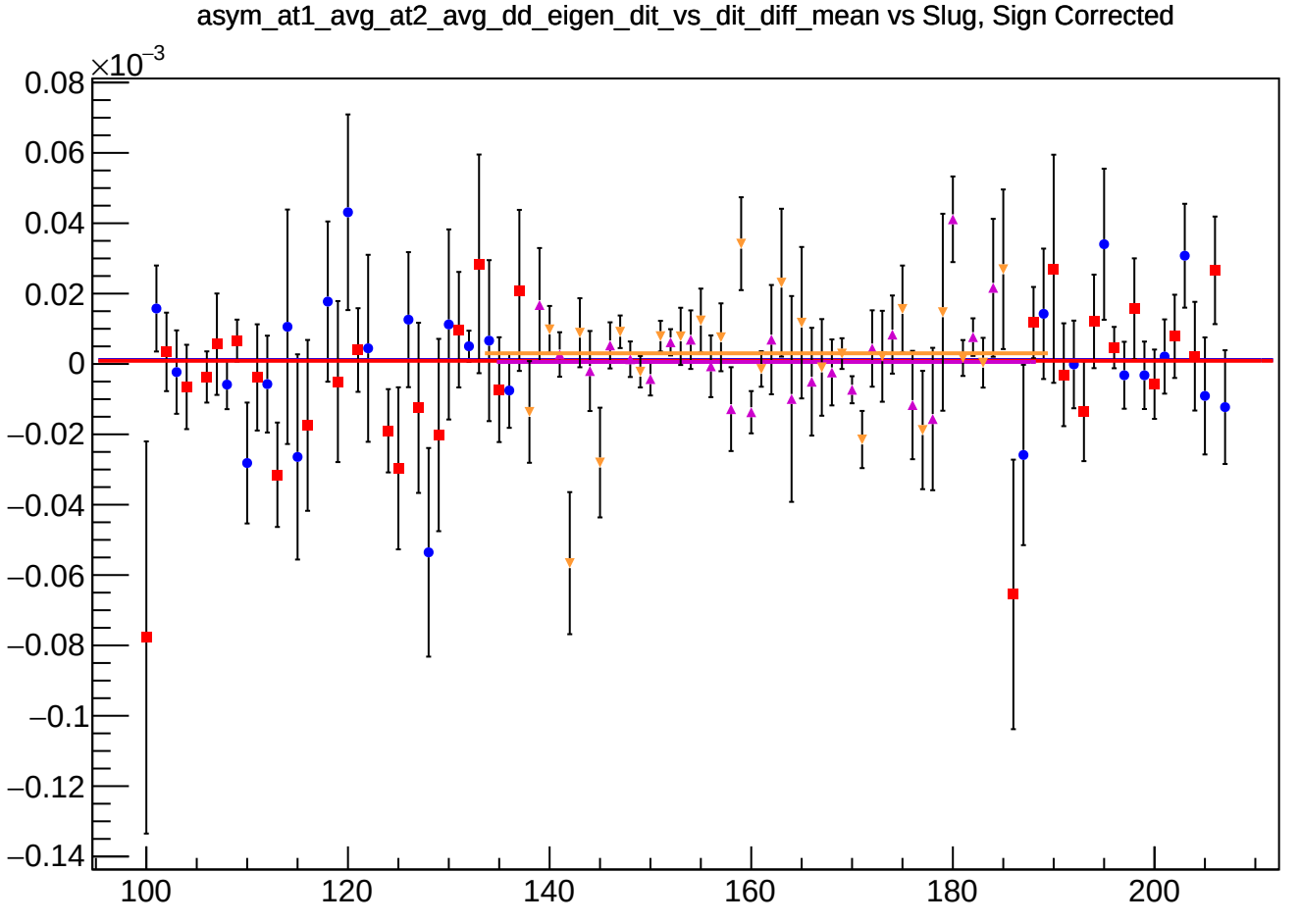
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.578+/-0.020 χ^2/NDF: 7119648.1/56

In: 192.949+/-0.026 χ^2/NDF:9953913.7/48

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 182.453+/-0.018 χ^2/NDF: 26418523.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/25

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

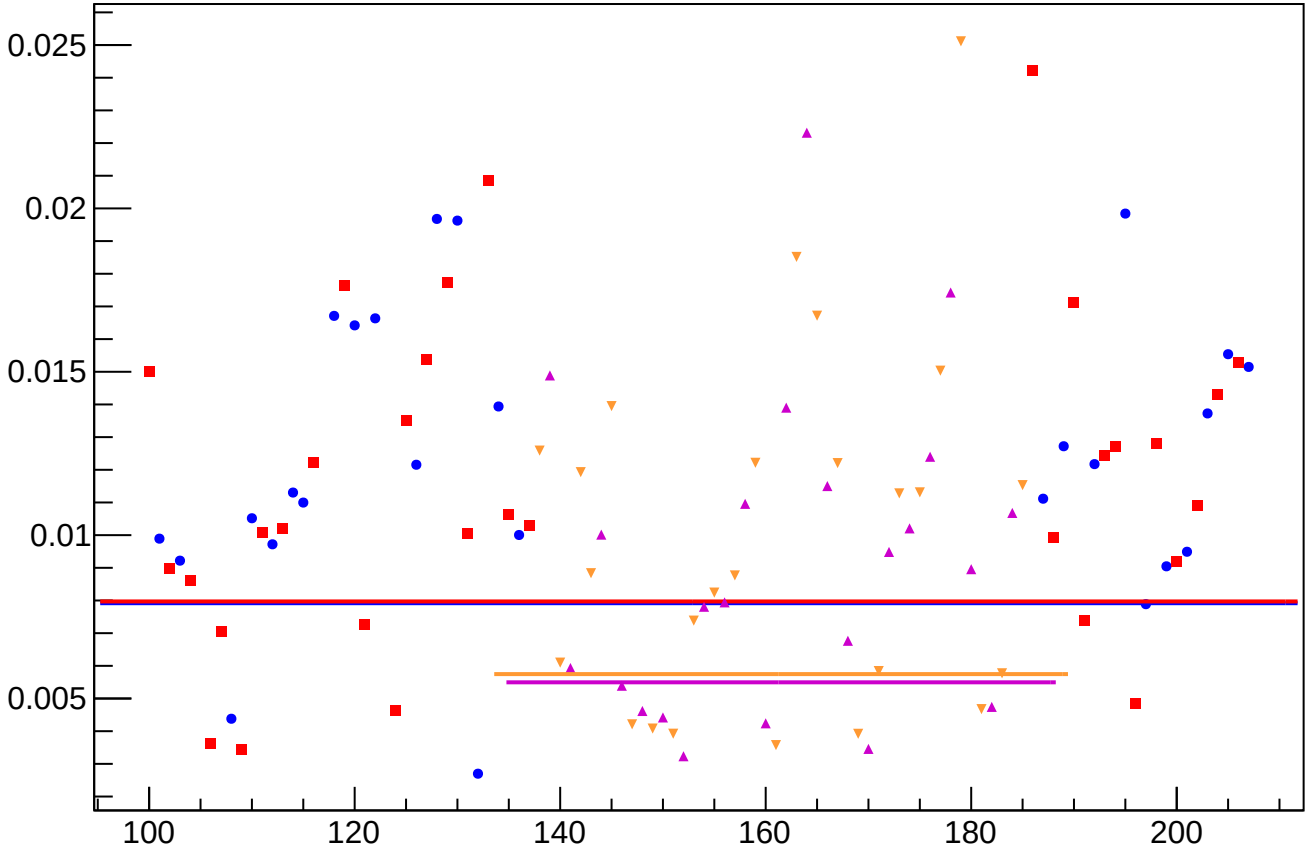
Right: 0.000+/-0.000 χ^2/NDF: 53.1/56

In: 0.000+/-0.000 χ^2/NDF:57.6/48

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 130.0/104

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: 7412887.6/25

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

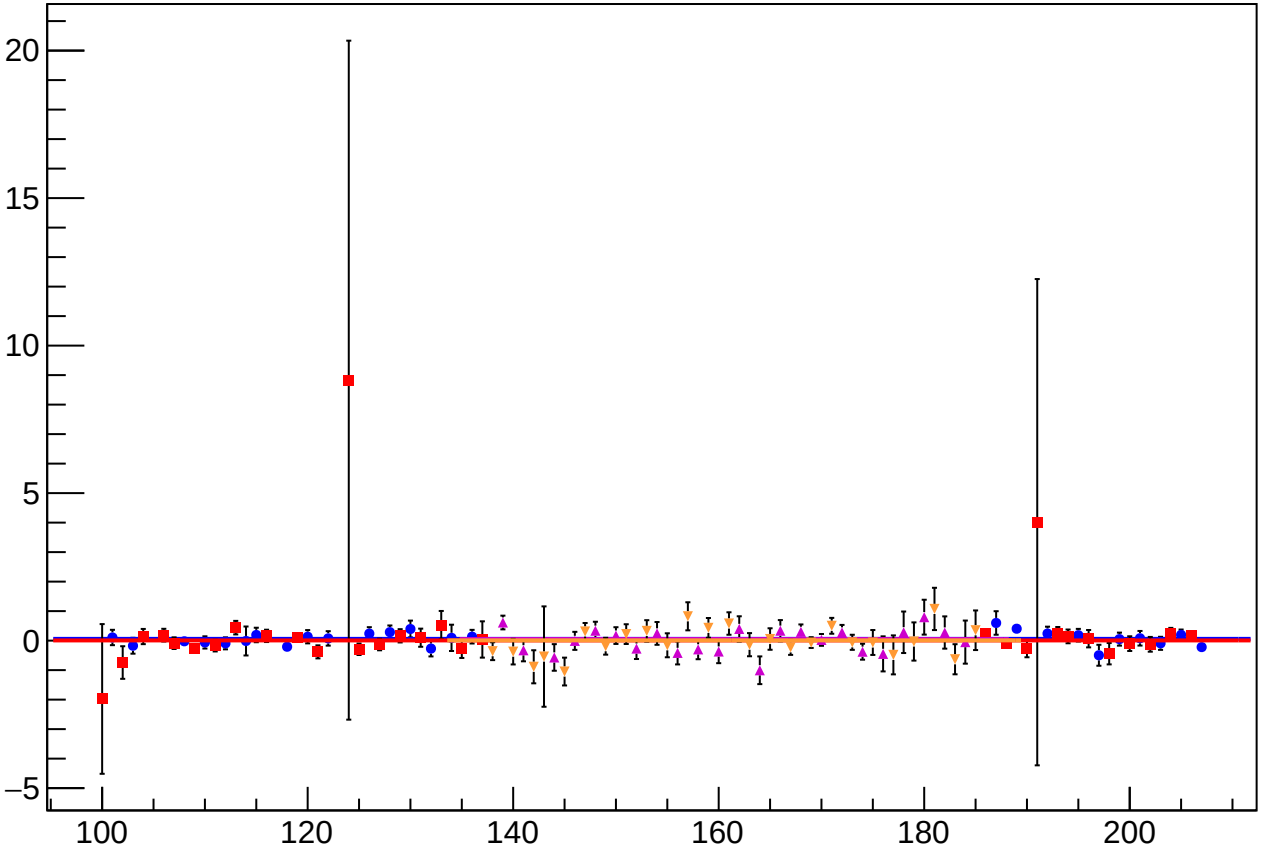
Right: 0.008+/-0.000 χ^2/NDF: 13835930.9/56

In: 0.006+/-0.000 χ^2/NDF:15799976.4/48

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31727909.0/104

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

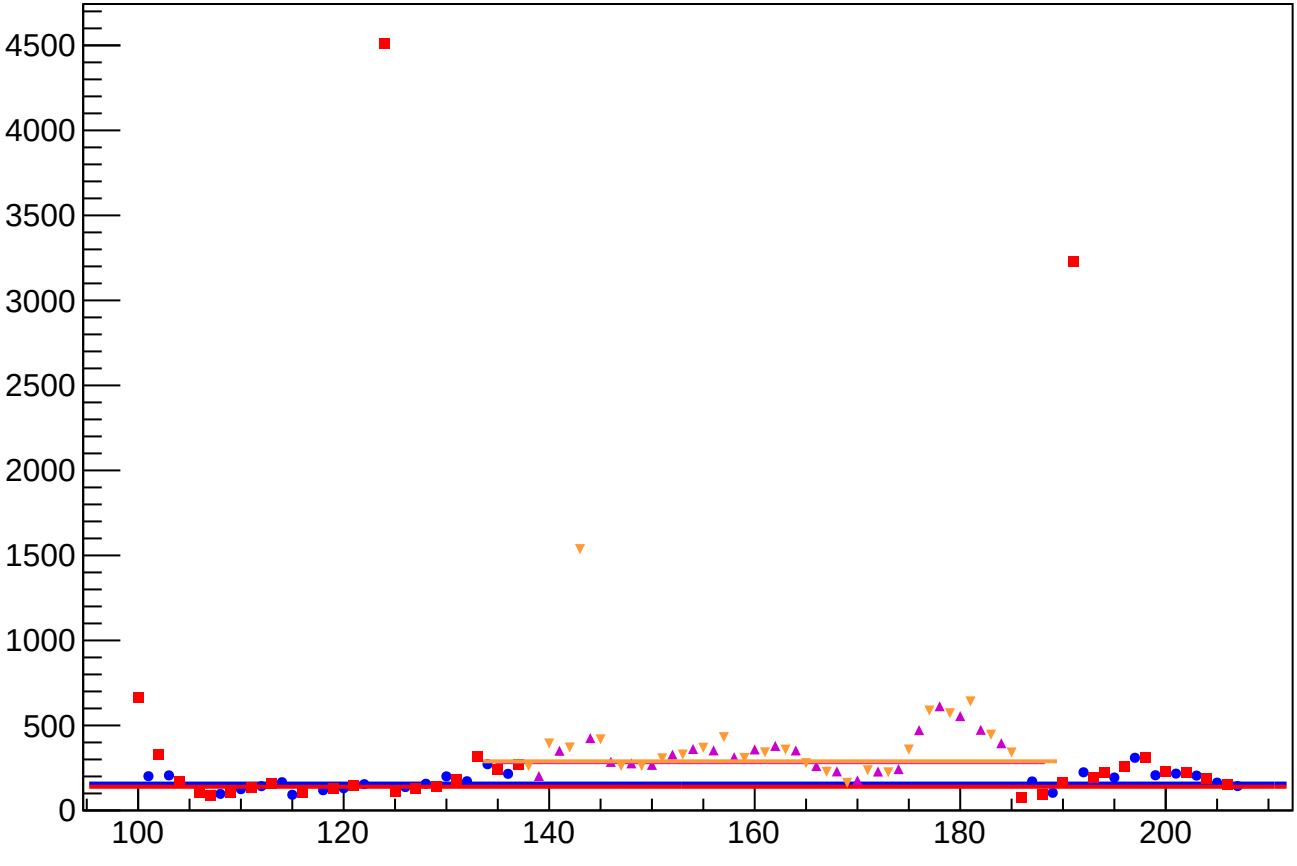
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235925.3/25

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

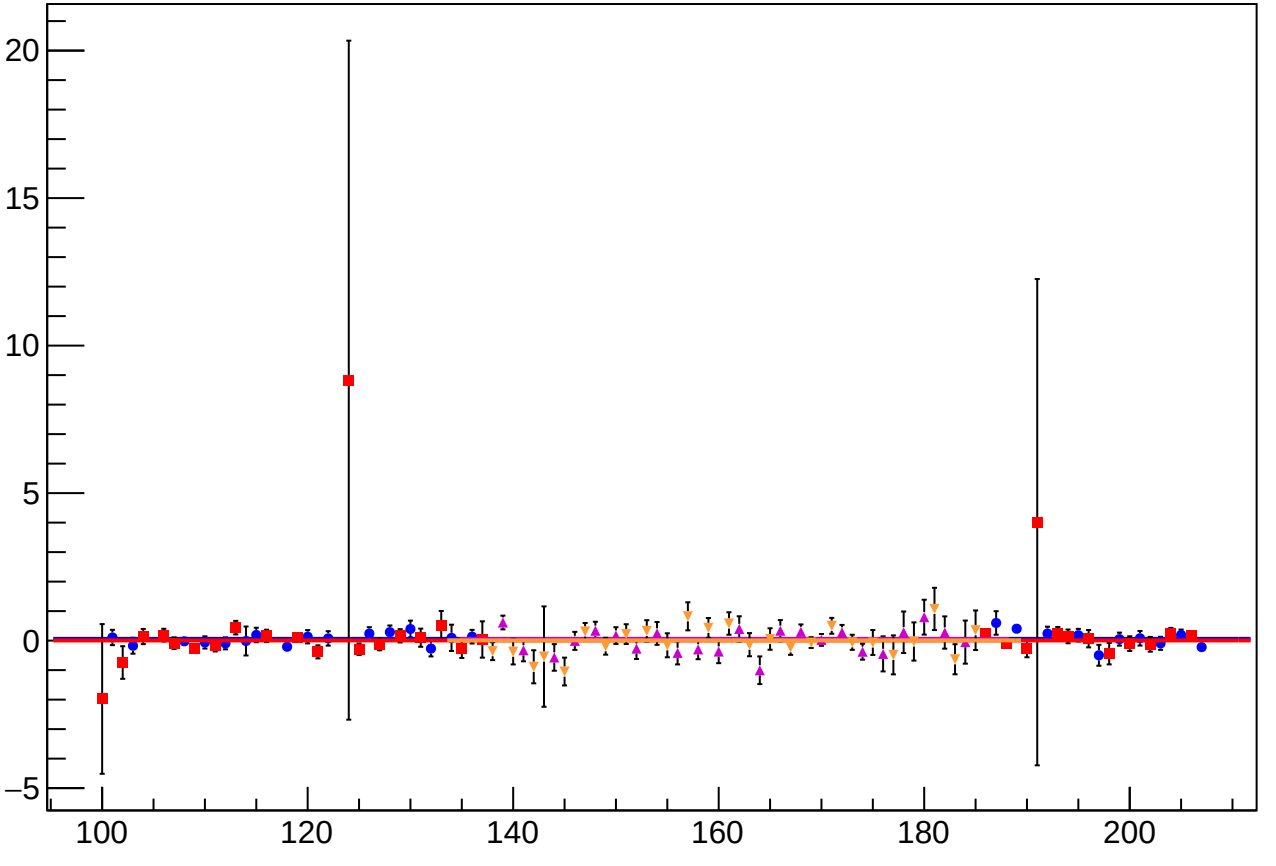
Right: 147.579+/-0.020 χ^2/NDF: 7119434.7/56

In: 192.949+/-0.026 χ^2/NDF:9954073.4/48

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 182.455+/-0.018 χ^2/NDF: 26418417.8/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

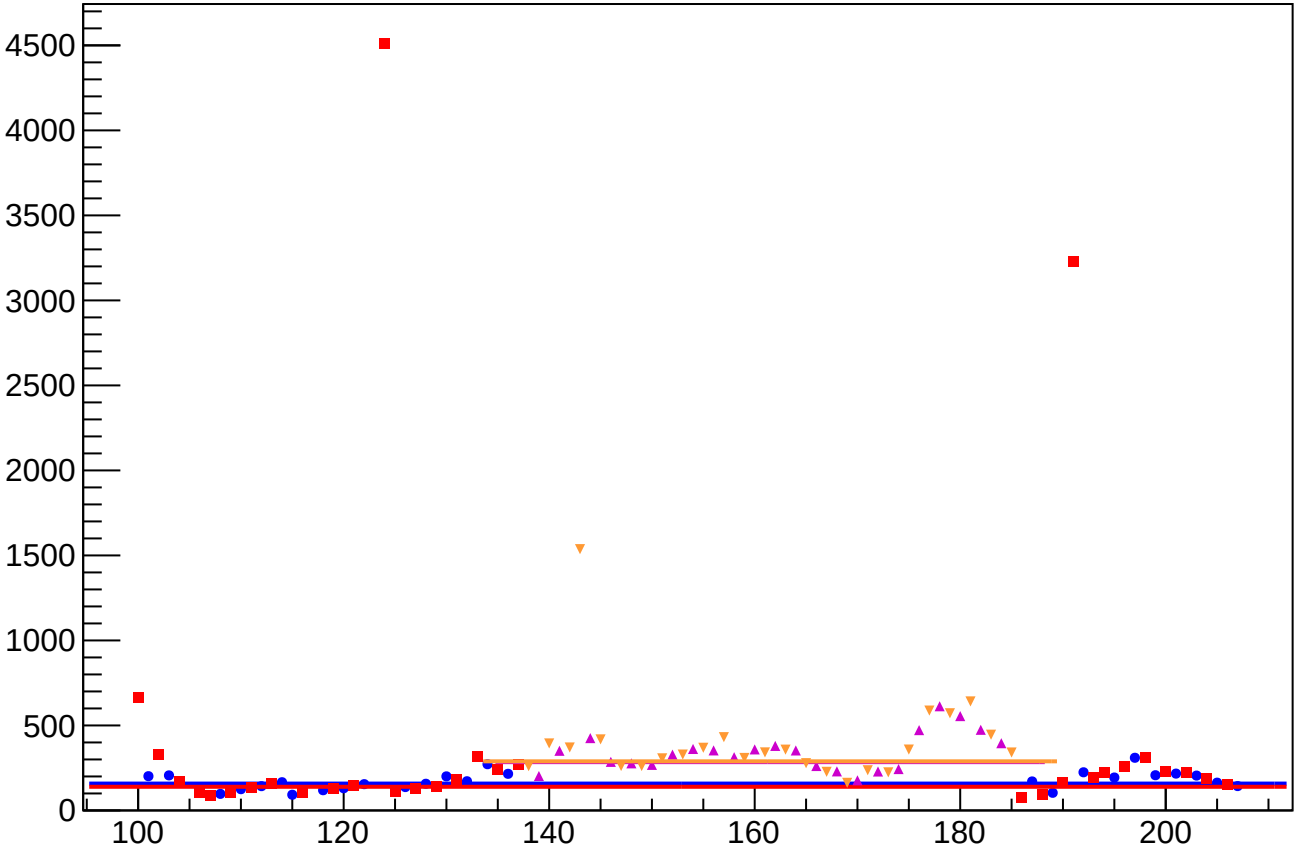
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235925.3/25

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

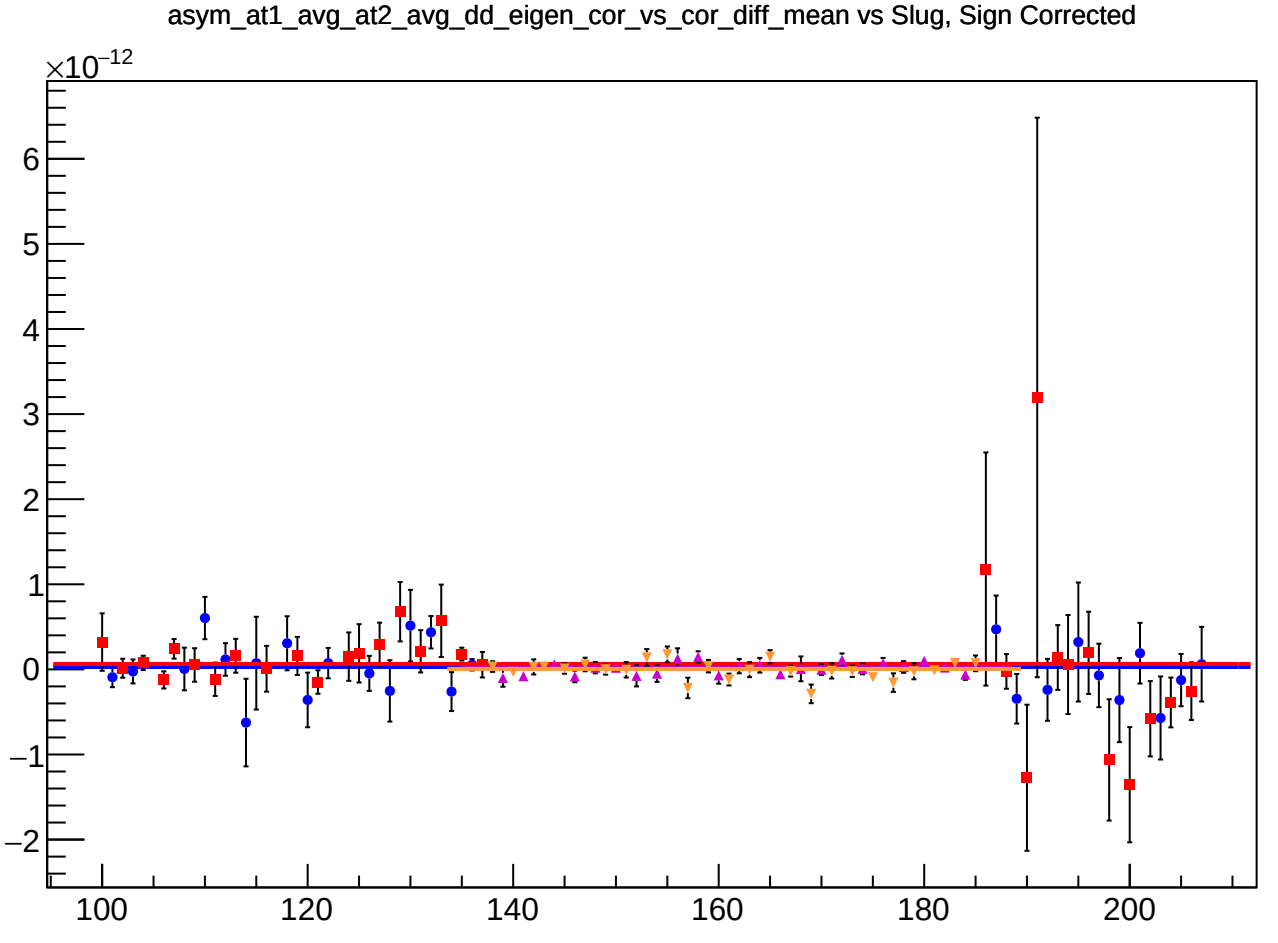
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.579+/-0.020 χ^2/NDF: 7119434.7/56

In: 192.949+/-0.026 χ^2/NDF:9954073.4/48

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 182.455+/-0.018 χ^2/NDF: 26418417.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/25

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

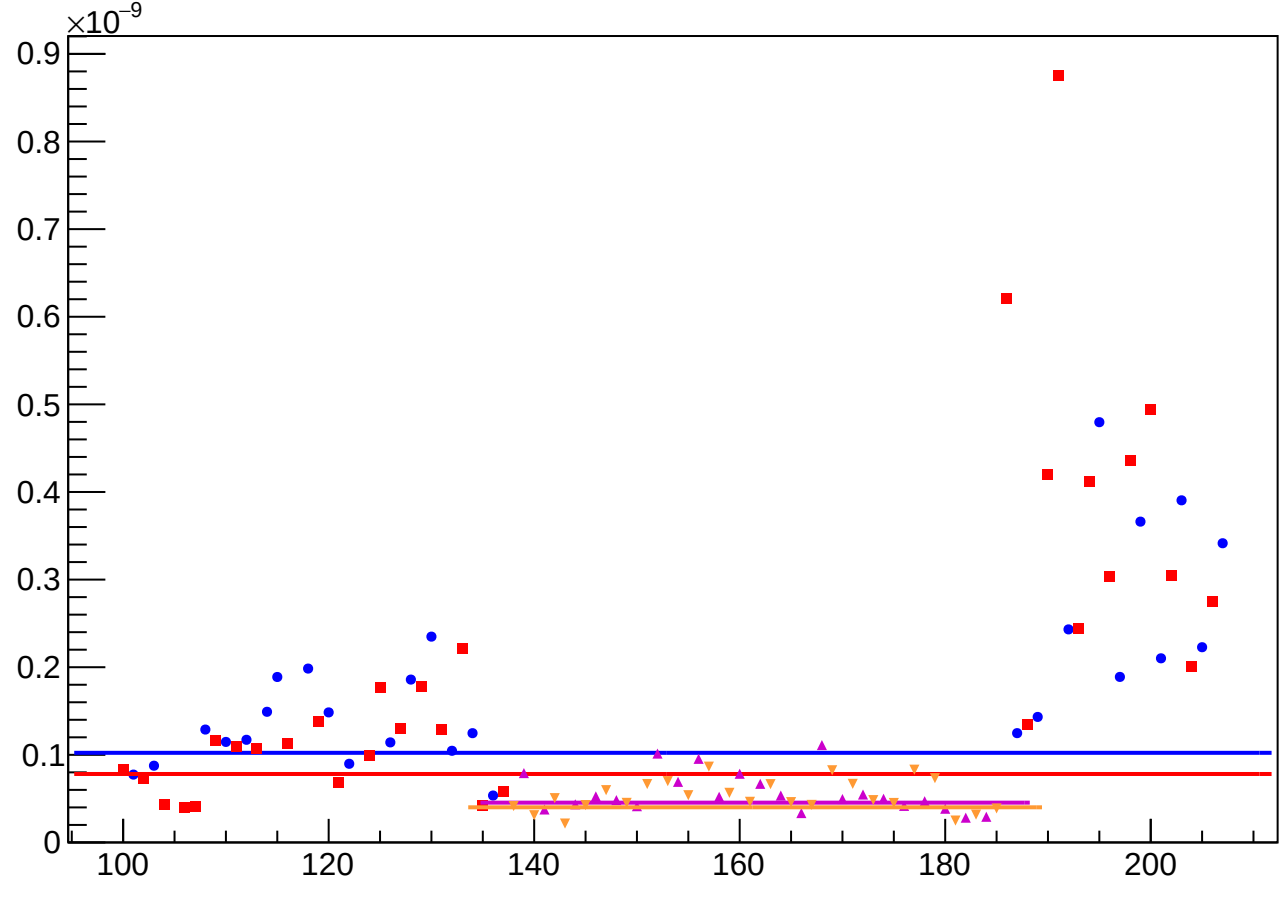
Right: 0.000+/-0.000 χ^2/NDF: 61.0/56

In: 0.000+/-0.000 χ^2/NDF:48.7/48

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.8/104

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: 5234990.1/25

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

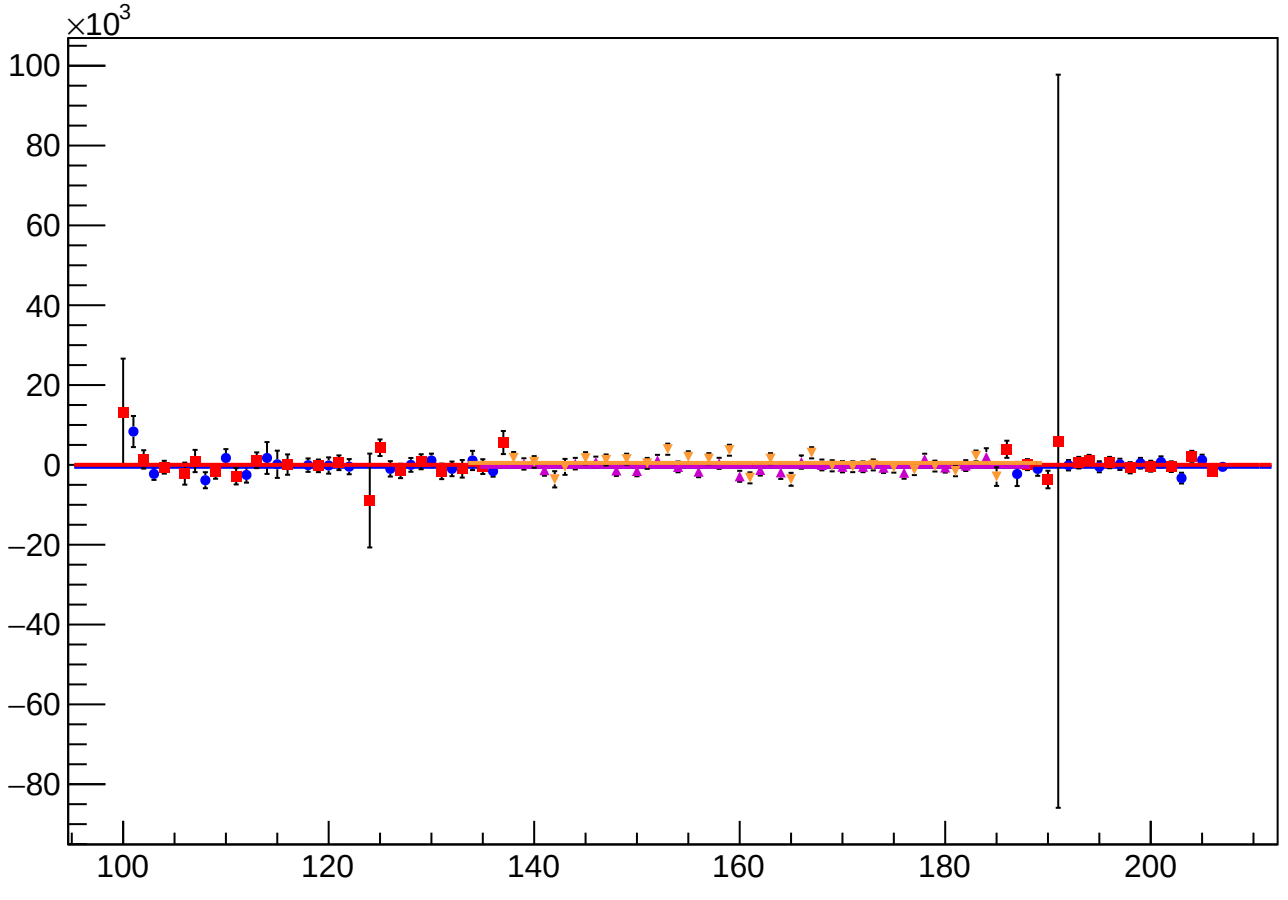
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13288275.0/56

In: 0.000+/-0.000 χ^2/NDF:11584194.8/48

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 25445033.4/104



Right In: -478.103+/-332.890 χ^2/NDF: 21.9/25

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

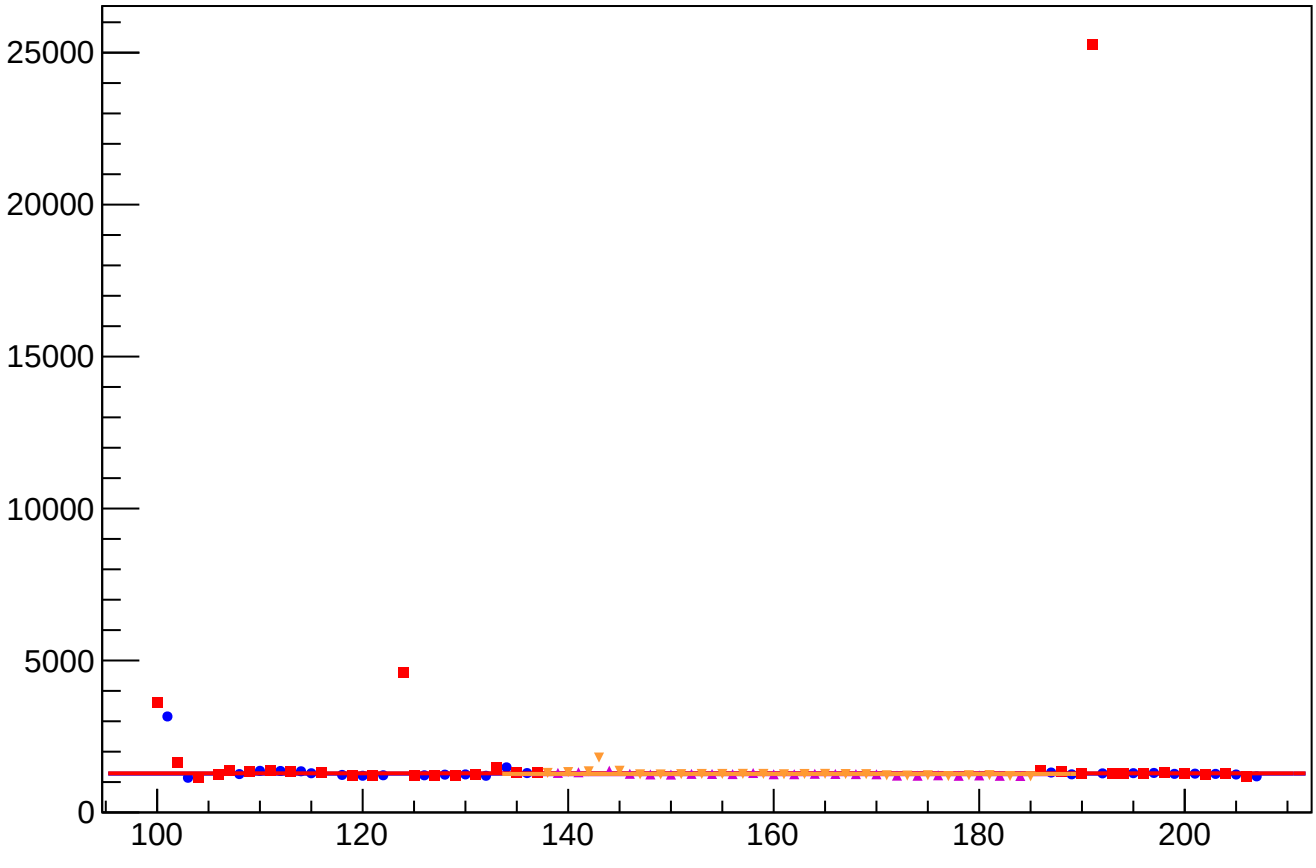
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -223.202+/-232.168 χ^2/NDF: 51.1/56

In: -483.004+/-220.265 χ^2/NDF:36.3/48

Out: 282.487+/-215.450 χ^2/NDF:76.1/55

All: -91.800+/-154.020 χ^2/NDF: 118.6/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528336.5/25

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

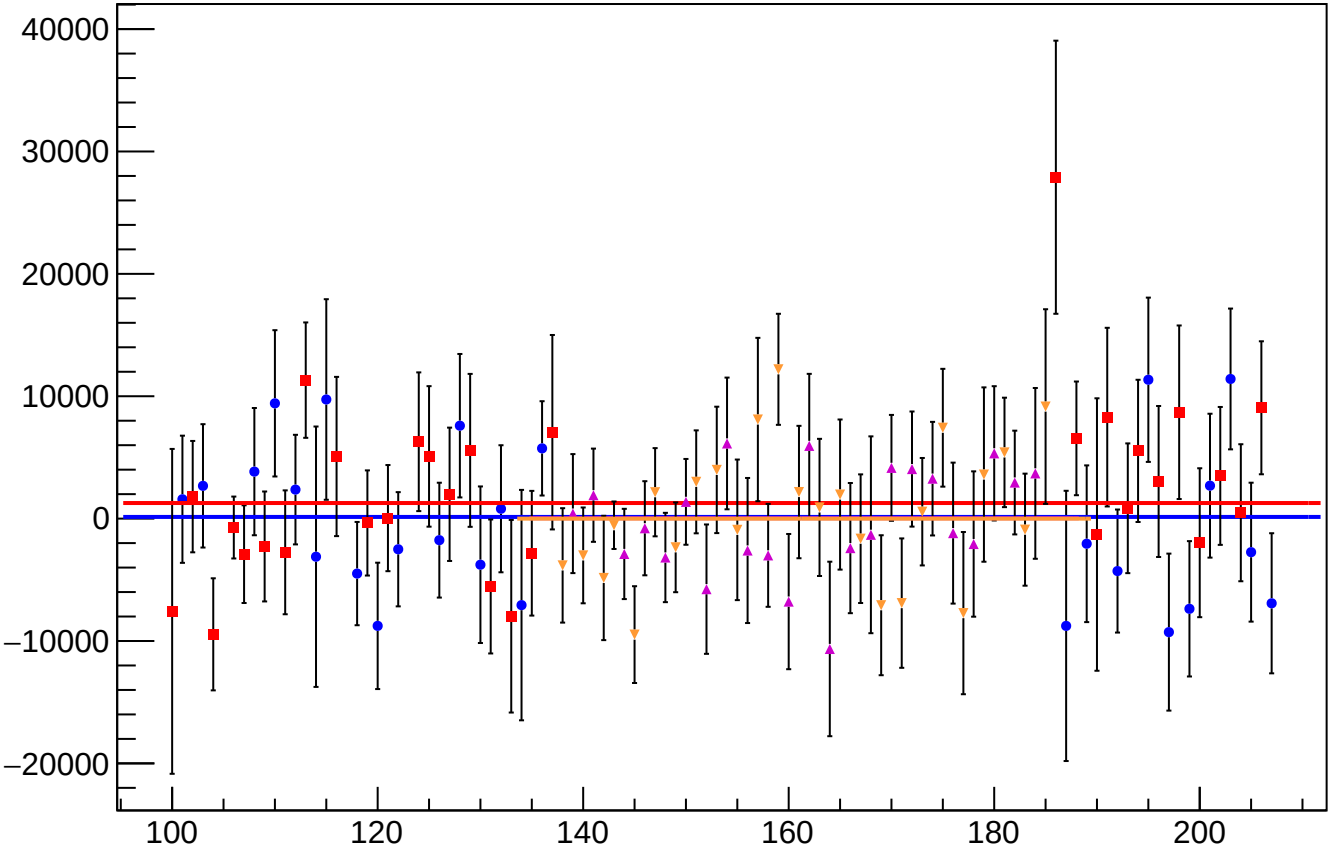
Right: 1282.235+/-0.164 χ^2/NDF: 1011788.7/56

In: 1265.776+/-0.156 χ^2/NDF:568733.7/48

Out: 1276.196+/-0.152 χ^2/NDF:674398.6/55

All: 1271.104+/-0.109 χ^2/NDF: 1245420.9/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 137.873+/-1090.143 χ^2/NDF: 28.5/25

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

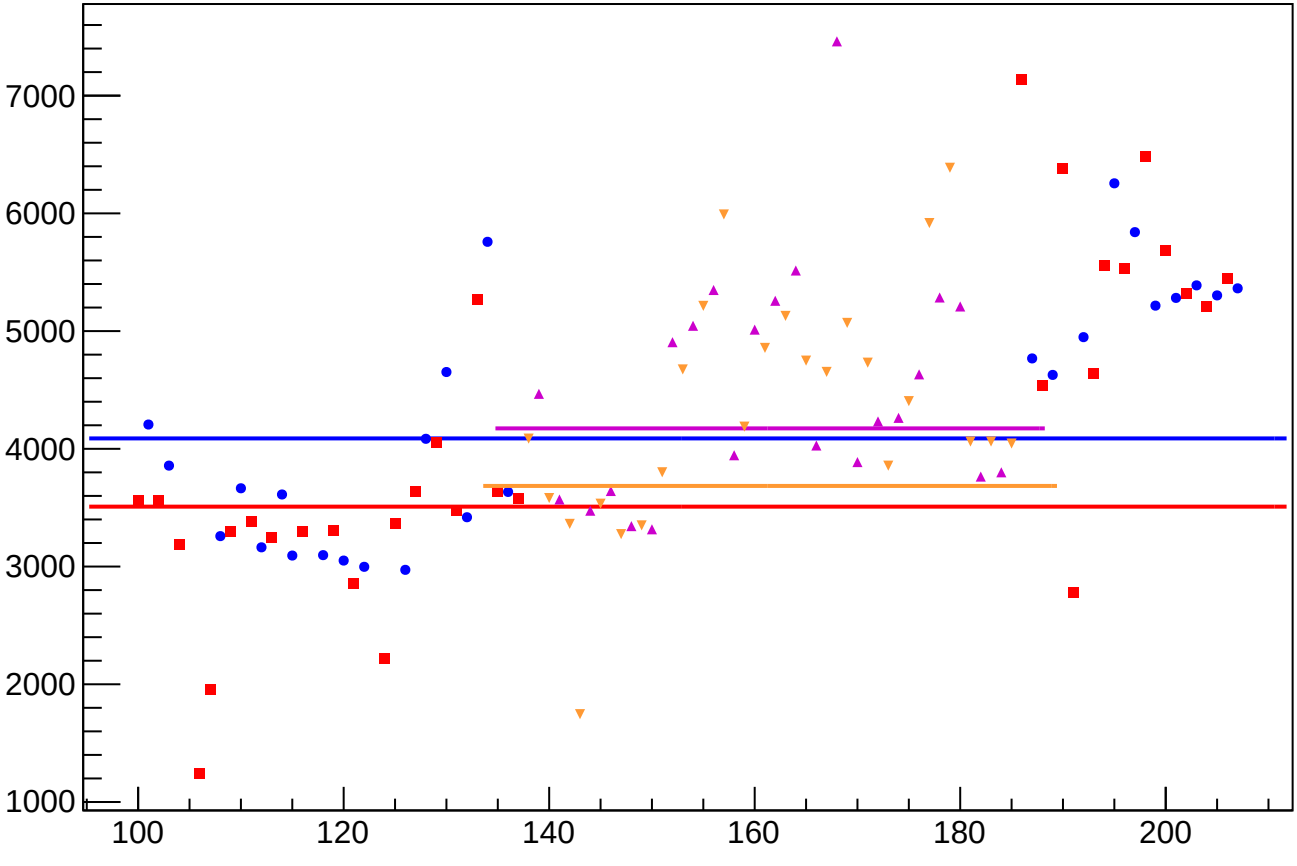
Right: 788.451+/-712.759 χ^2/NDF: 61.1/56

In: 79.912+/-735.050 χ^2/NDF:42.5/48

Out: 598.144+/-645.573 χ^2/NDF:62.1/55

All: 372.474+/-485.056 χ^2/NDF: 104.9/104

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4088.398+/-0.771 χ^2/NDF: 1635045.1/25

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

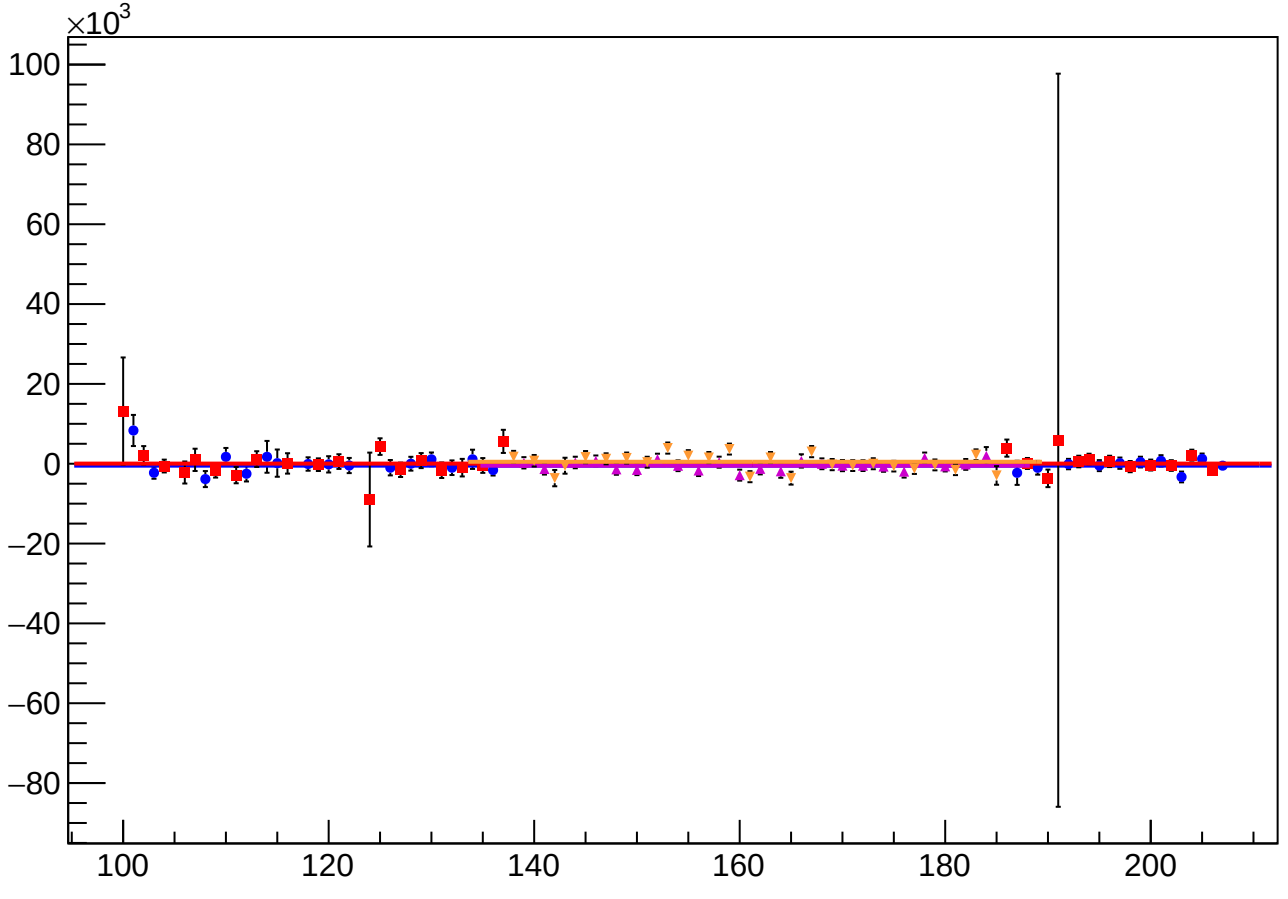
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3756.615+/-0.504 χ^2/NDF: 6437850.4/56

In: 4134.840+/-0.520 χ^2/NDF:2916669.3/48

Out: 3602.160+/-0.456 χ^2/NDF:8209850.3/55

All: 3834.122+/-0.343 χ^2/NDF: 11719474.7/1



Right In: -478.242+/-332.890 χ^2/NDF: 21.9/25

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

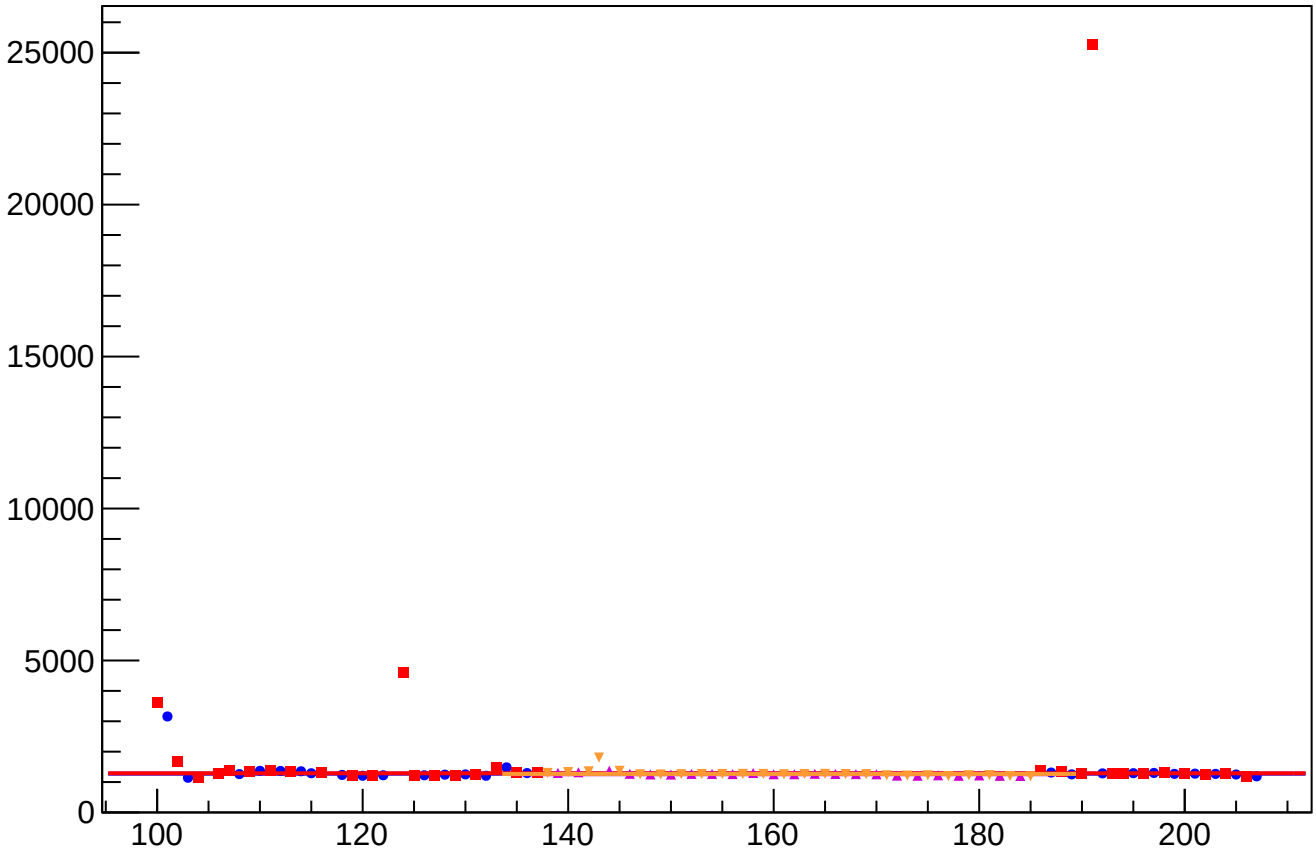
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -216.756+/-232.203 χ^2/NDF: 51.6/56

In: -483.008+/-220.265 χ^2/NDF:36.3/48

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -88.914+/-154.030 χ^2/NDF: 119.1/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528337.9/25

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

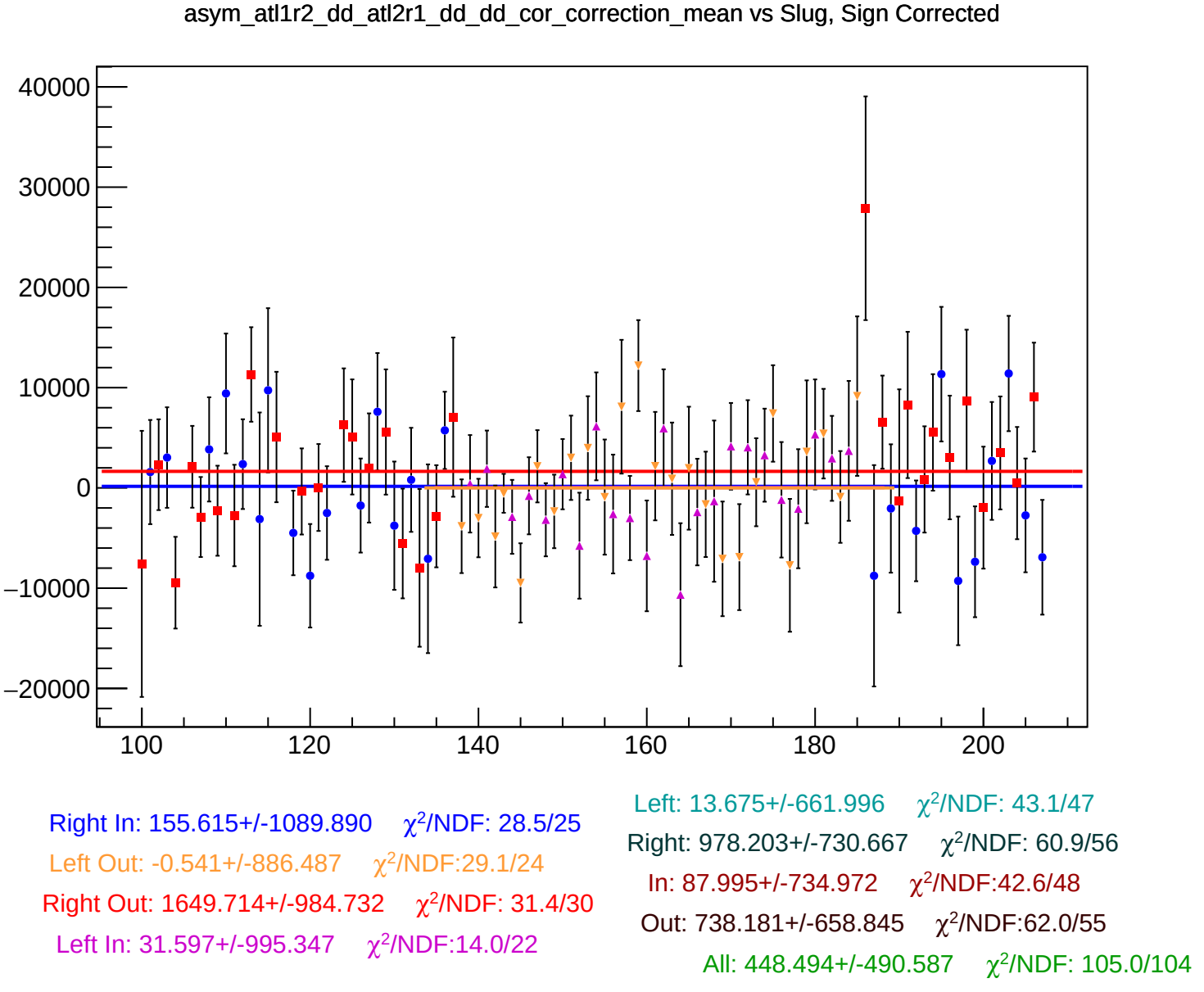
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

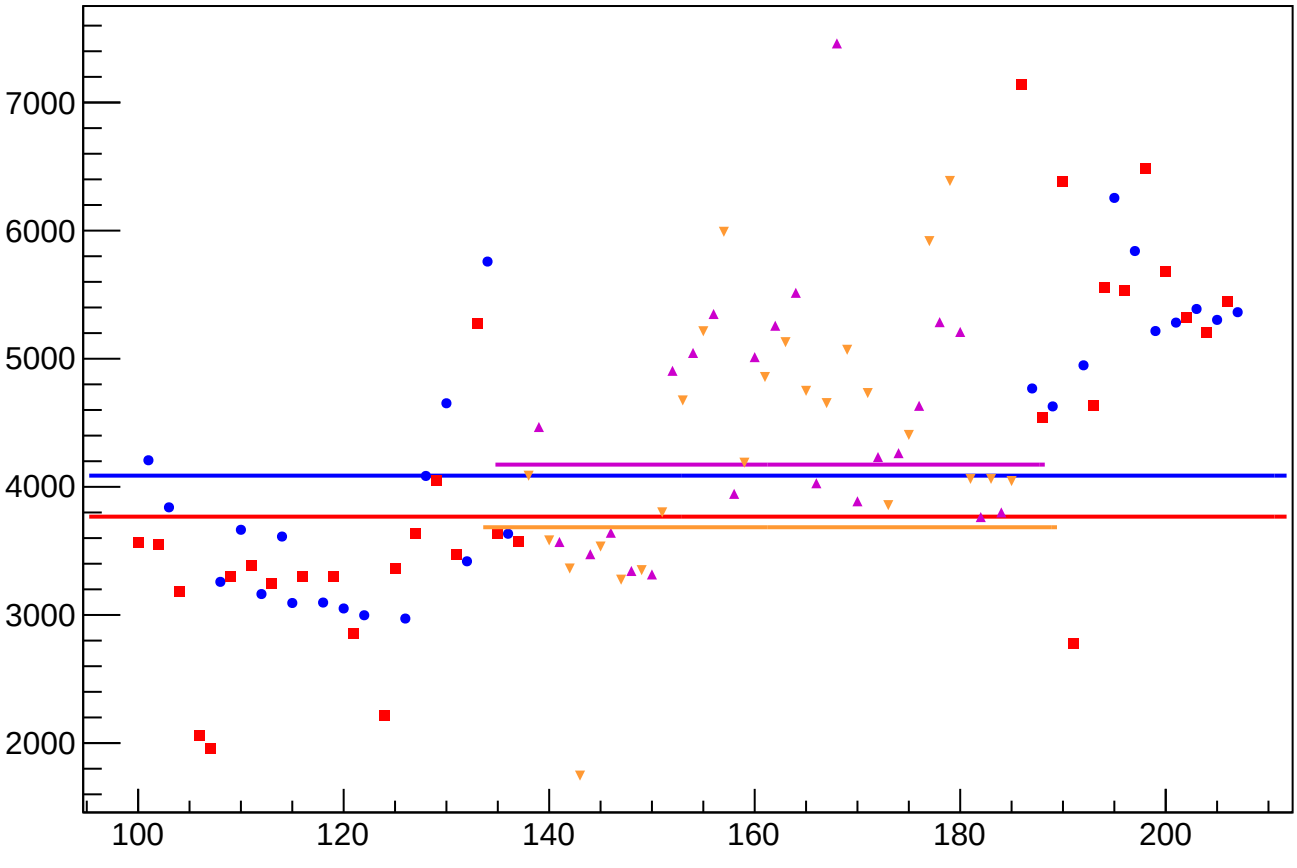
Right: 1282.684+/-0.164 χ^2/NDF: 1018904.9/56

In: 1265.776+/-0.156 χ^2/NDF:568735.1/48

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.299+/-0.109 χ^2/NDF: 1252910.0/10


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 155.615+/-1089.890 χ²/NDF: 28.5/25
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1649.714+/-984.732 χ²/NDF: 31.4/30
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 978.203+/-730.667 χ²/NDF: 60.9/56
In: 87.995+/-734.972 χ²/NDF:42.6/48
Out: 738.181+/-658.845 χ²/NDF:62.0/55
All: 448.494+/-490.587 χ²/NDF: 105.0/104



Right In: 4087.510+/-0.771 χ^2/NDF: 1635775.4/25

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

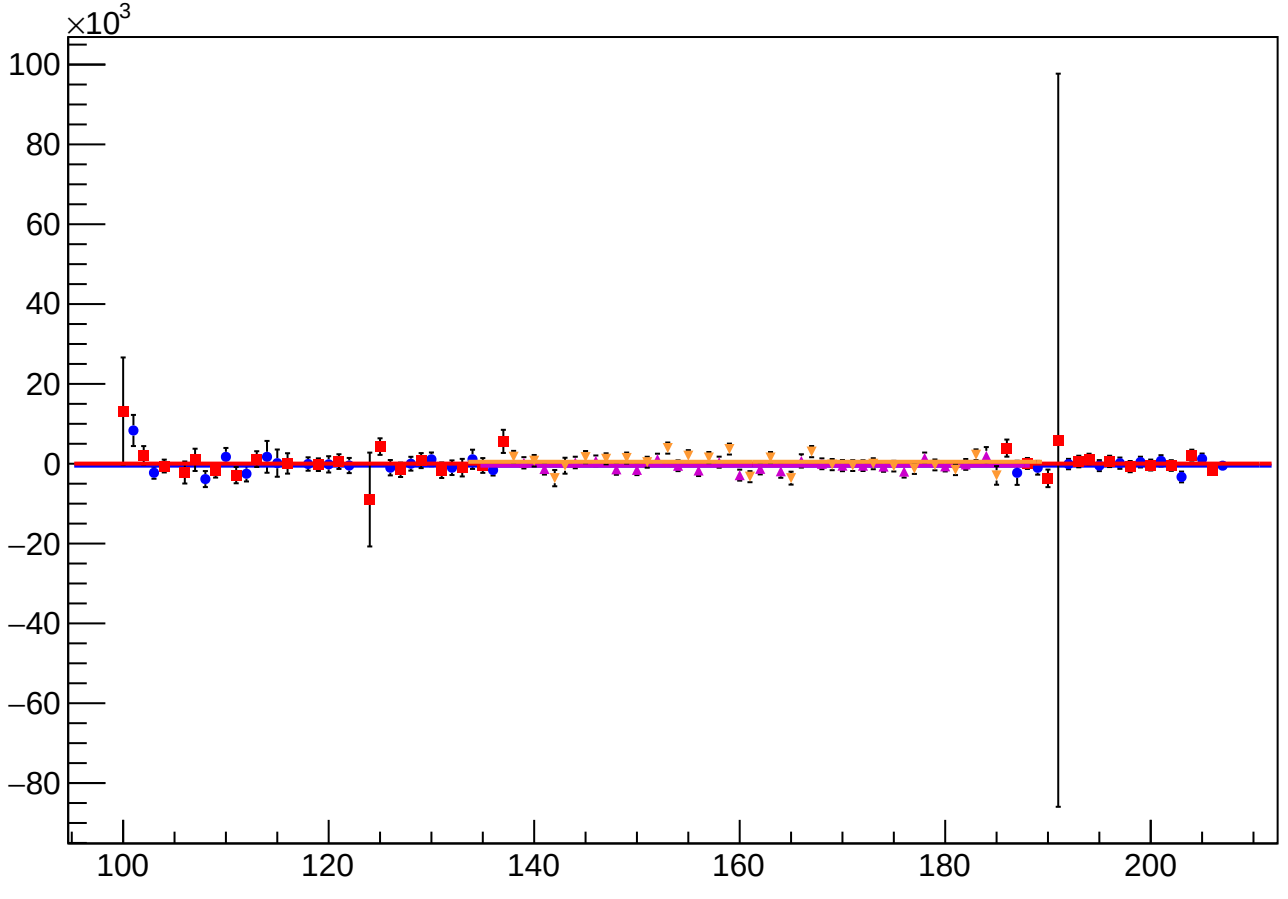
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3911.289+/-0.517 χ^2/NDF: 4716798.1/56

In: 4134.423+/-0.520 χ^2/NDF:2917539.0/48

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3905.625+/-0.347 χ^2/NDF: 9954631.9/10



Right In: -478.242+/-332.890 χ^2/NDF: 21.9/25

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

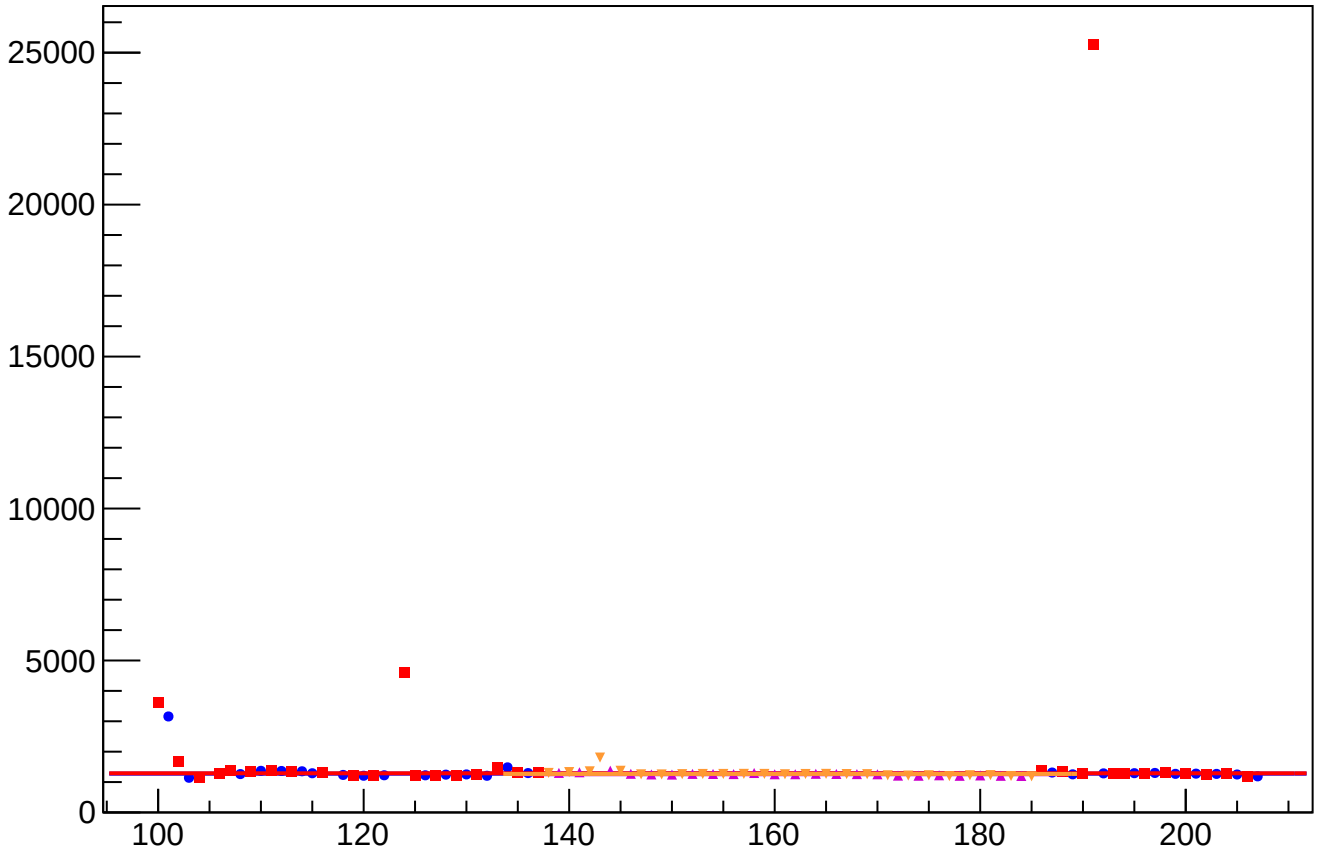
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -216.756+/-232.203 χ^2/NDF: 51.6/56

In: -483.008+/-220.265 χ^2/NDF:36.3/48

Out: 288.236+/-215.477 χ^2/NDF:76.5/55

All: -88.914+/-154.030 χ^2/NDF: 119.1/104



Right In: 1276.338+/-0.235 χ^2/NDF: 528337.9/25

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

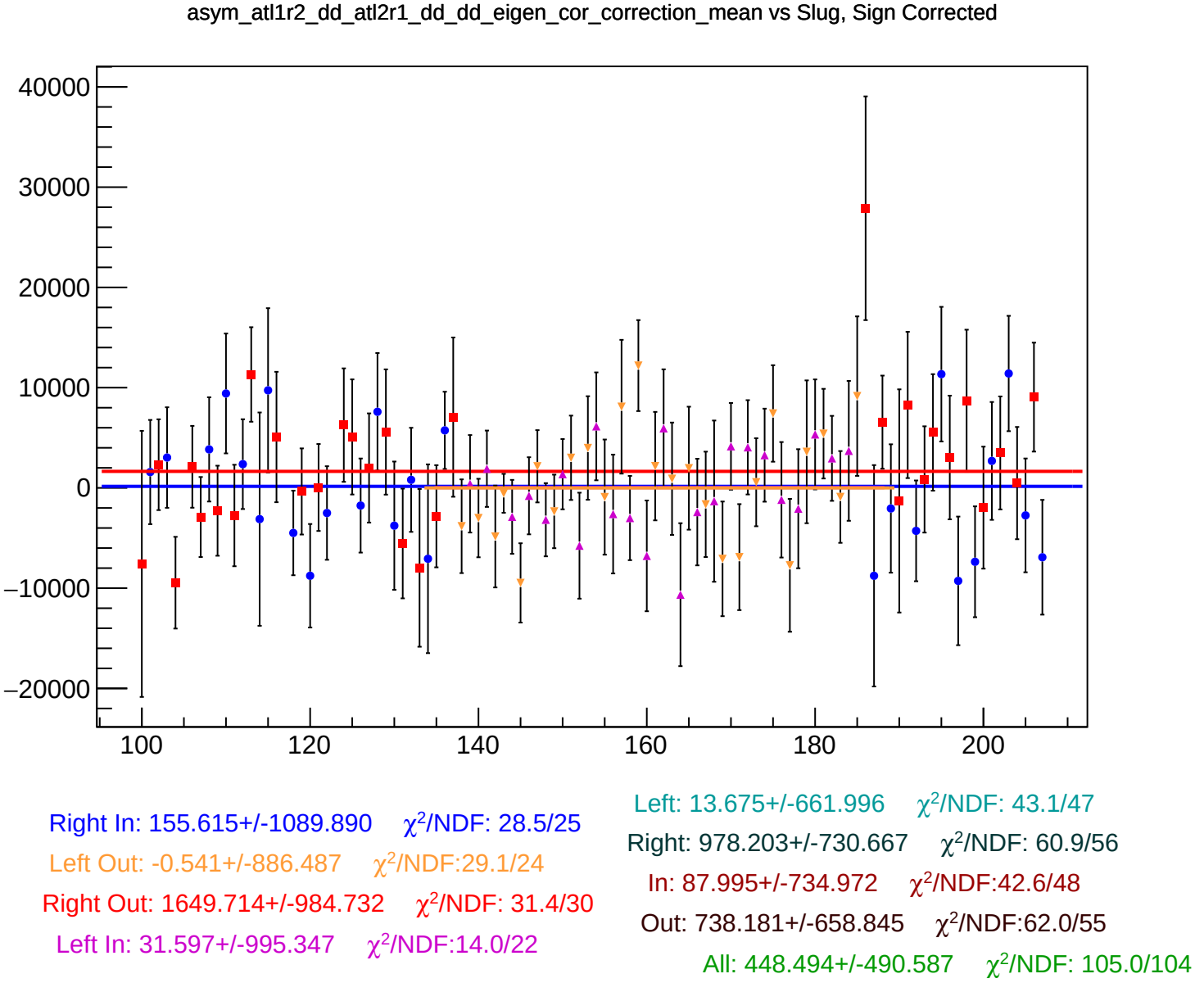
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1282.684+/-0.164 χ^2/NDF: 1018904.9/56

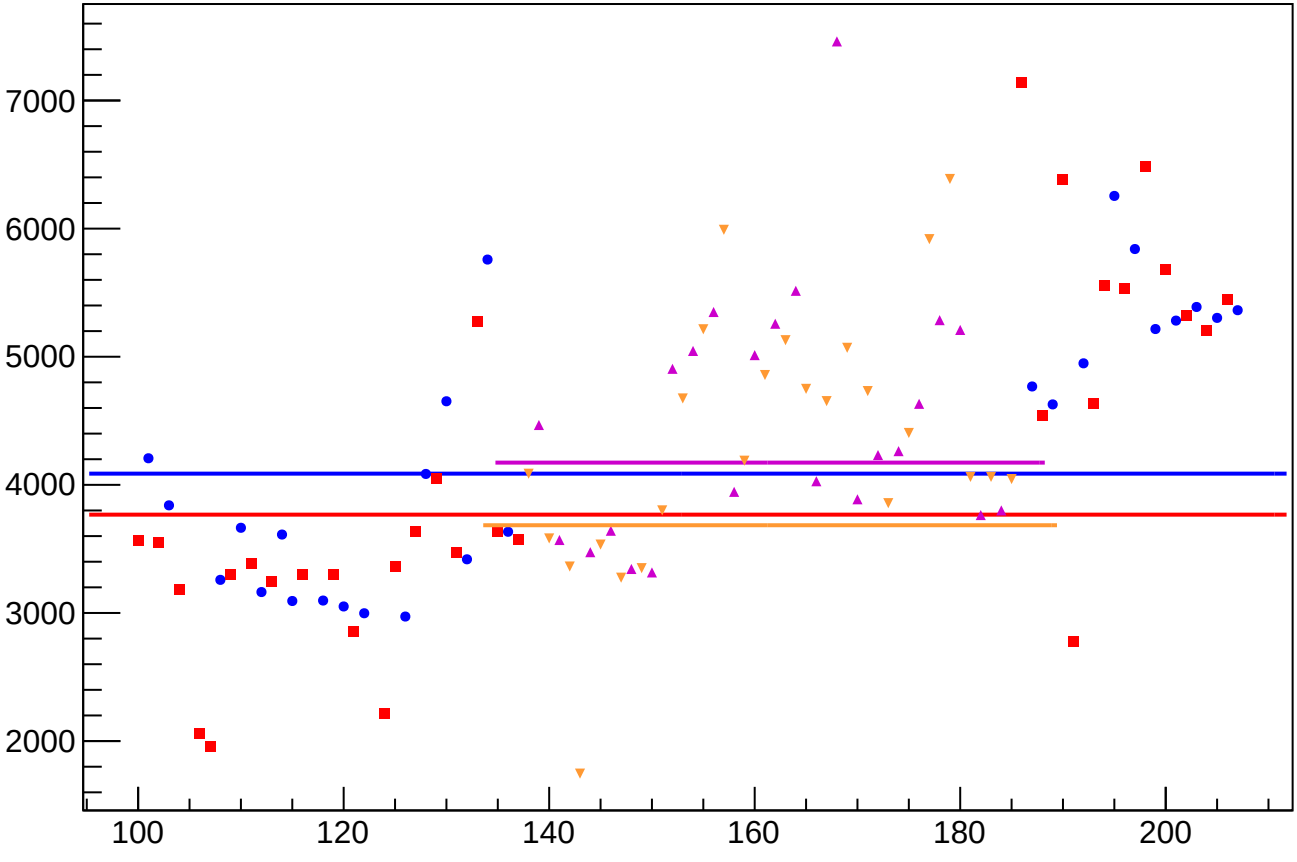
In: 1265.776+/-0.156 χ^2/NDF:568735.1/48

Out: 1276.580+/-0.152 χ^2/NDF:681715.3/55

All: 1271.299+/-0.109 χ^2/NDF: 1252910.0/10


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 155.615+/-1089.890 χ²/NDF: 28.5/25
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: 1649.714+/-984.732 χ²/NDF: 31.4/30
Left In: 31.597+/-995.347 χ²/NDF:14.0/22
Left: 13.675+/-661.996 χ²/NDF: 43.1/47
Right: 978.203+/-730.667 χ²/NDF: 60.9/56
In: 87.995+/-734.972 χ²/NDF:42.6/48
Out: 738.181+/-658.845 χ²/NDF:62.0/55
All: 448.494+/-490.587 χ²/NDF: 105.0/104

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4087.510+/-0.771 χ^2/NDF: 1635775.4/25

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

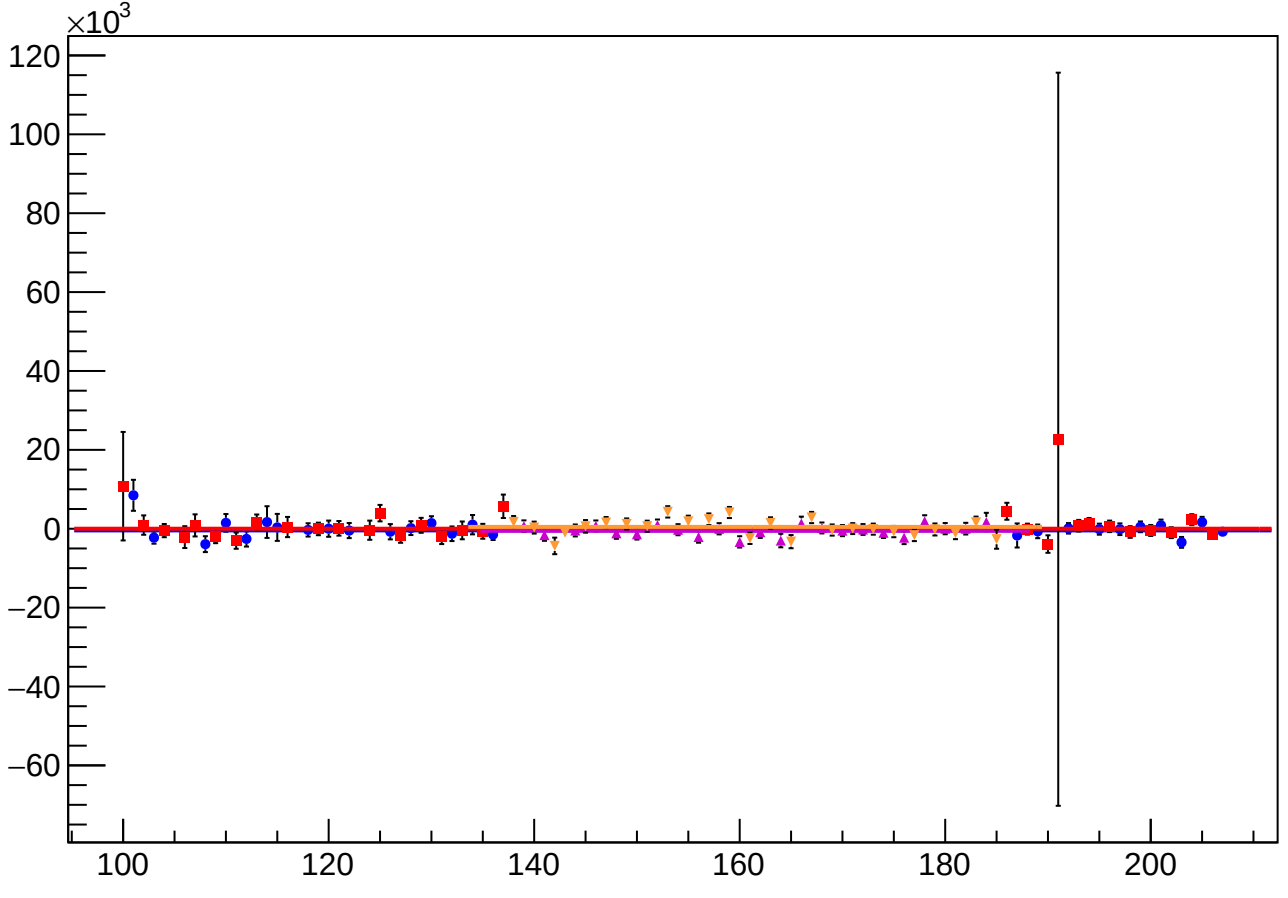
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3911.289+/-0.517 χ^2/NDF: 4716798.1/56

In: 4134.423+/-0.520 χ^2/NDF:2917539.0/48

Out: 3721.769+/-0.466 χ^2/NDF:6687529.2/55

All: 3905.625+/-0.347 χ^2/NDF: 9954631.9/10



Right In: -418.078+/-337.671 χ^2/NDF: 23.2/25

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

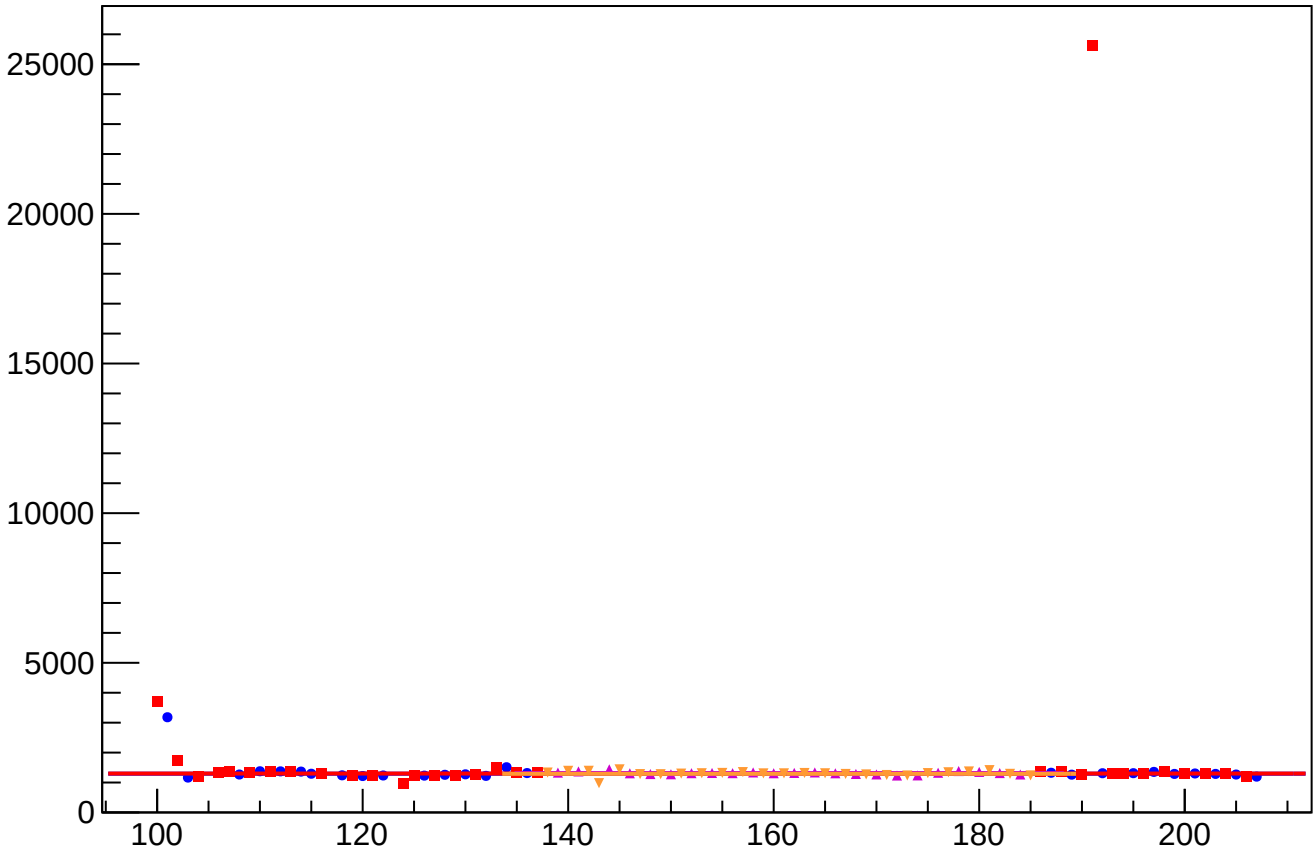
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -199.452+/-234.736 χ^2/NDF: 53.0/56

In: -464.868+/-227.175 χ^2/NDF:40.7/48

Out: 260.477+/-218.597 χ^2/NDF:74.2/55

All: -88.243+/-157.517 χ^2/NDF: 120.2/104



Right In: 1294.519+/-0.239 χ^2/NDF: 528815.0/25

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

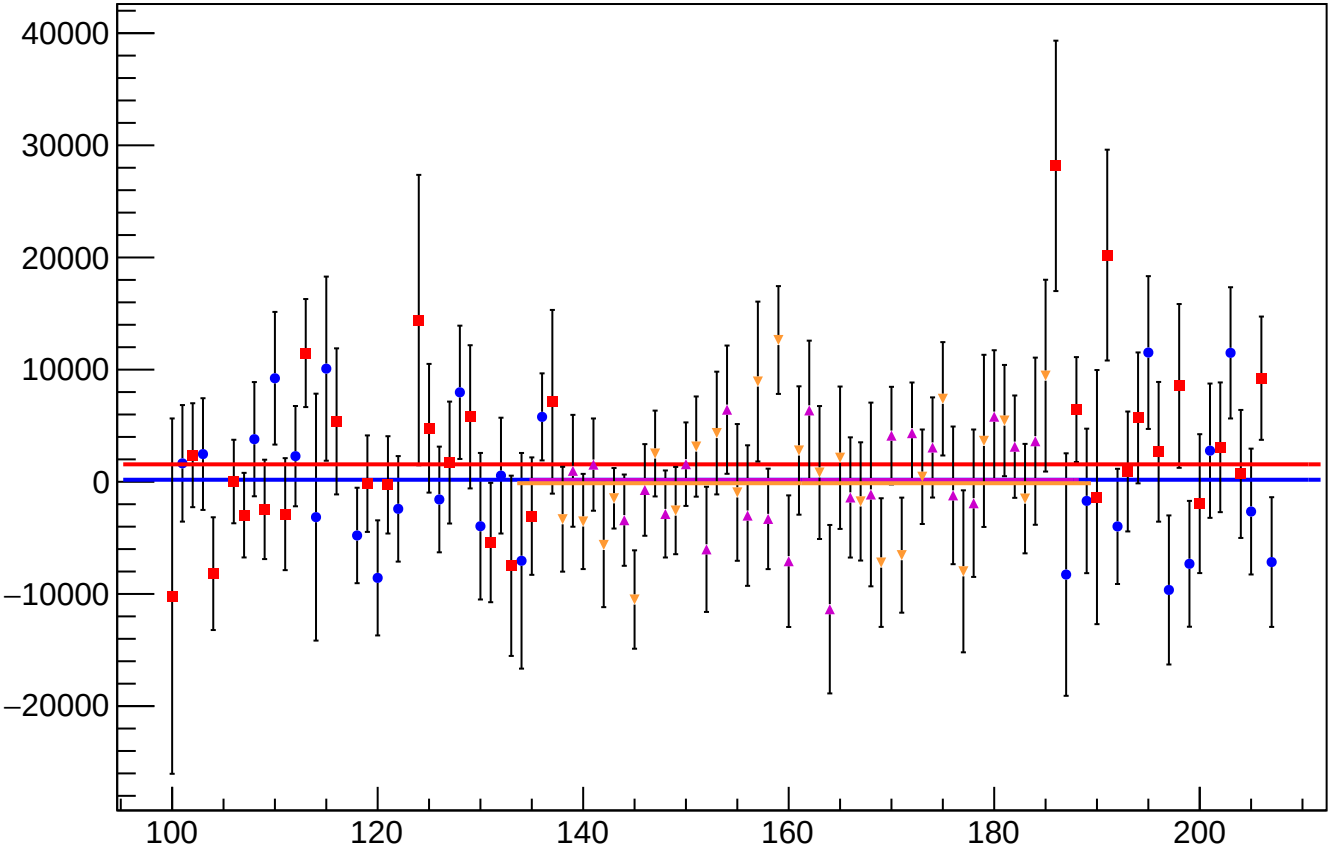
Right: 1297.364+/-0.166 χ^2/NDF: 907059.7/56

In: 1305.186+/-0.161 χ^2/NDF:575505.7/48

Out: 1295.162+/-0.155 χ^2/NDF:609509.4/55

All: 1299.980+/-0.111 χ^2/NDF: 1187037.2/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 182.170+/-1095.752 χ^2/NDF: 28.3/25

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

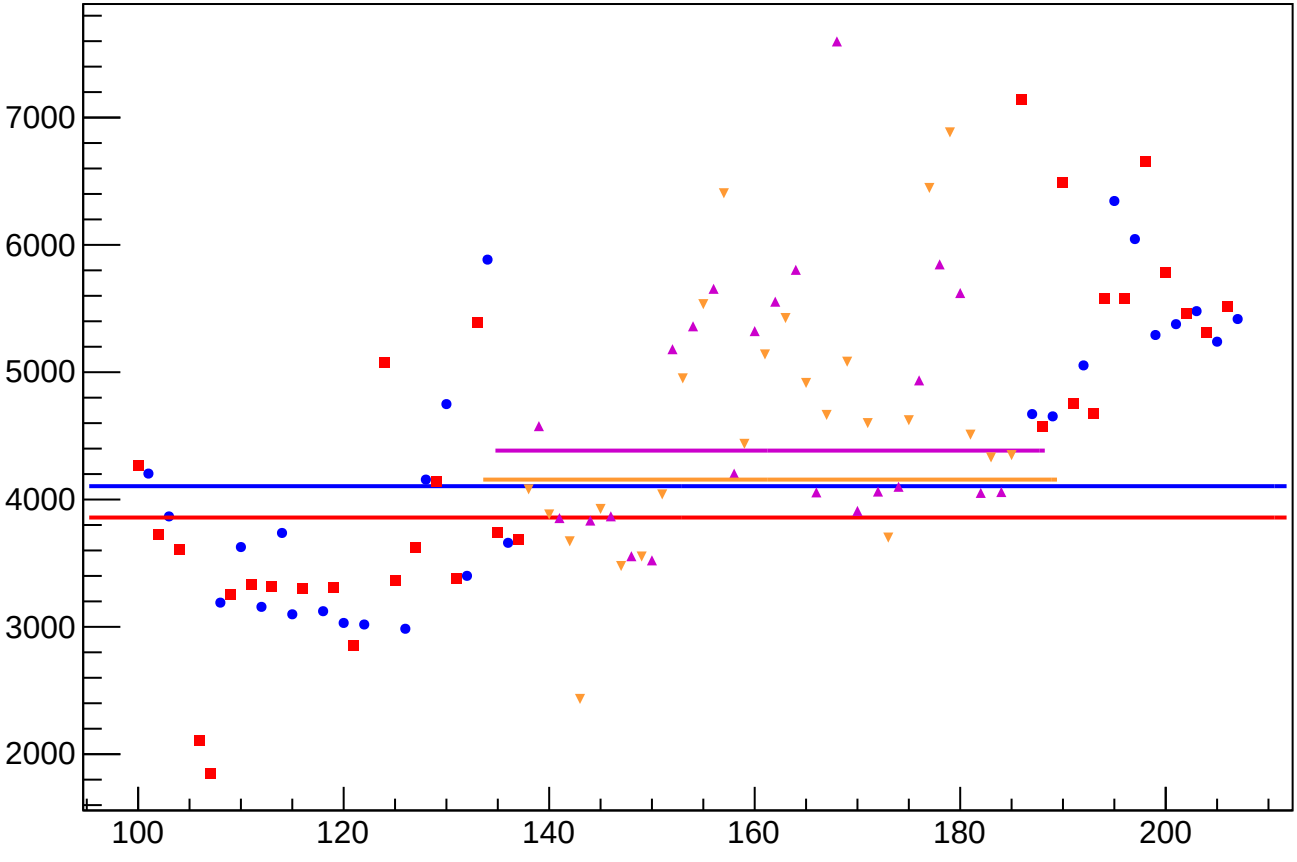
Right: 930.755+/-739.454 χ^2/NDF: 62.2/56

In: 170.279+/-756.425 χ^2/NDF:42.1/48

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 452.357+/-513.609 χ^2/NDF: 105.4/104

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4104.906+/-0.775 χ^2/NDF: 1720690.2/25

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

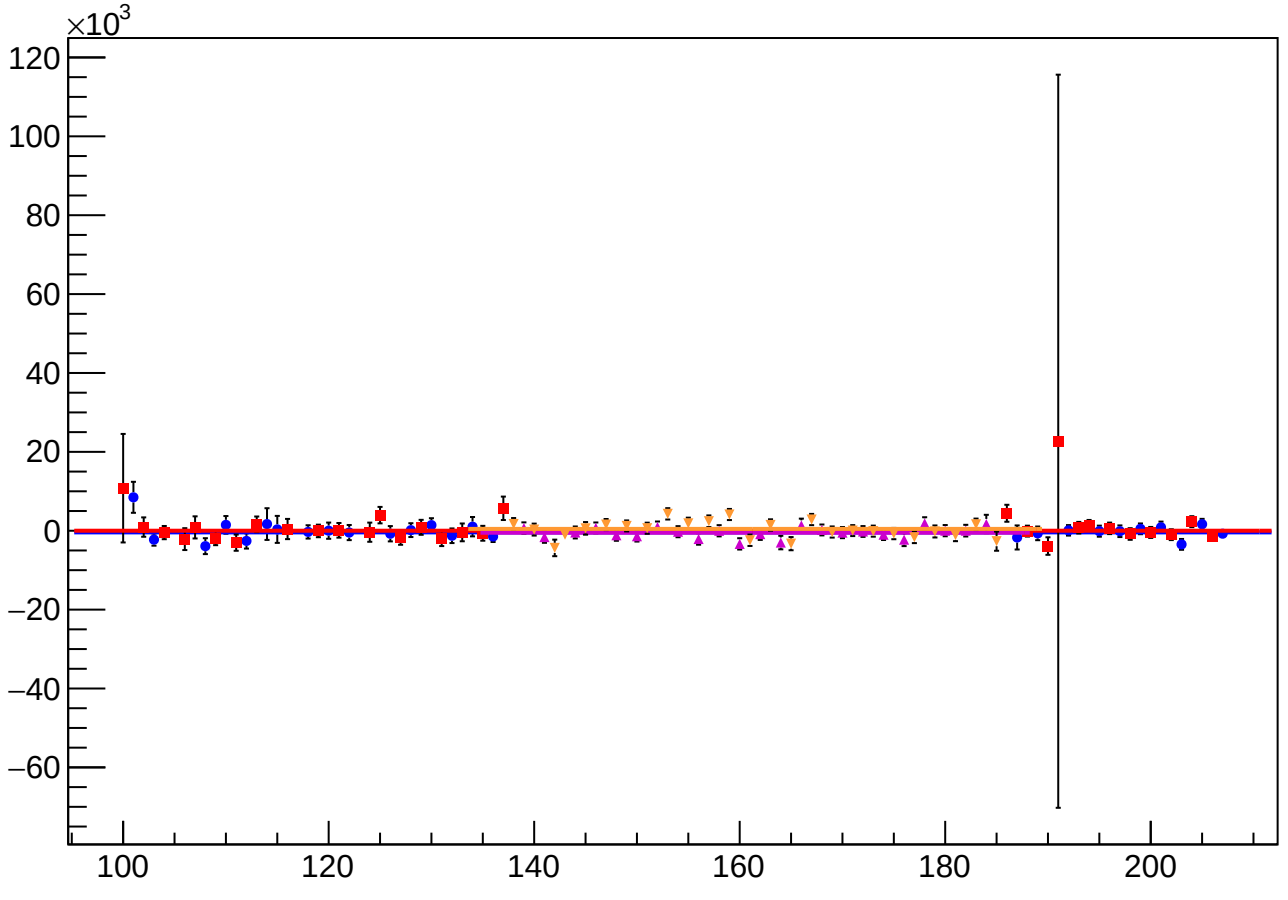
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3970.808+/-0.523 χ^2/NDF: 4833510.2/56

In: 4251.167+/-0.535 χ^2/NDF:3044235.9/48

Out: 4011.357+/-0.495 χ^2/NDF:5229191.7/55

All: 4121.918+/-0.363 χ^2/NDF: 8381768.6/10



Right In: -418.078+/-337.671 χ^2/NDF: 23.2/25

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

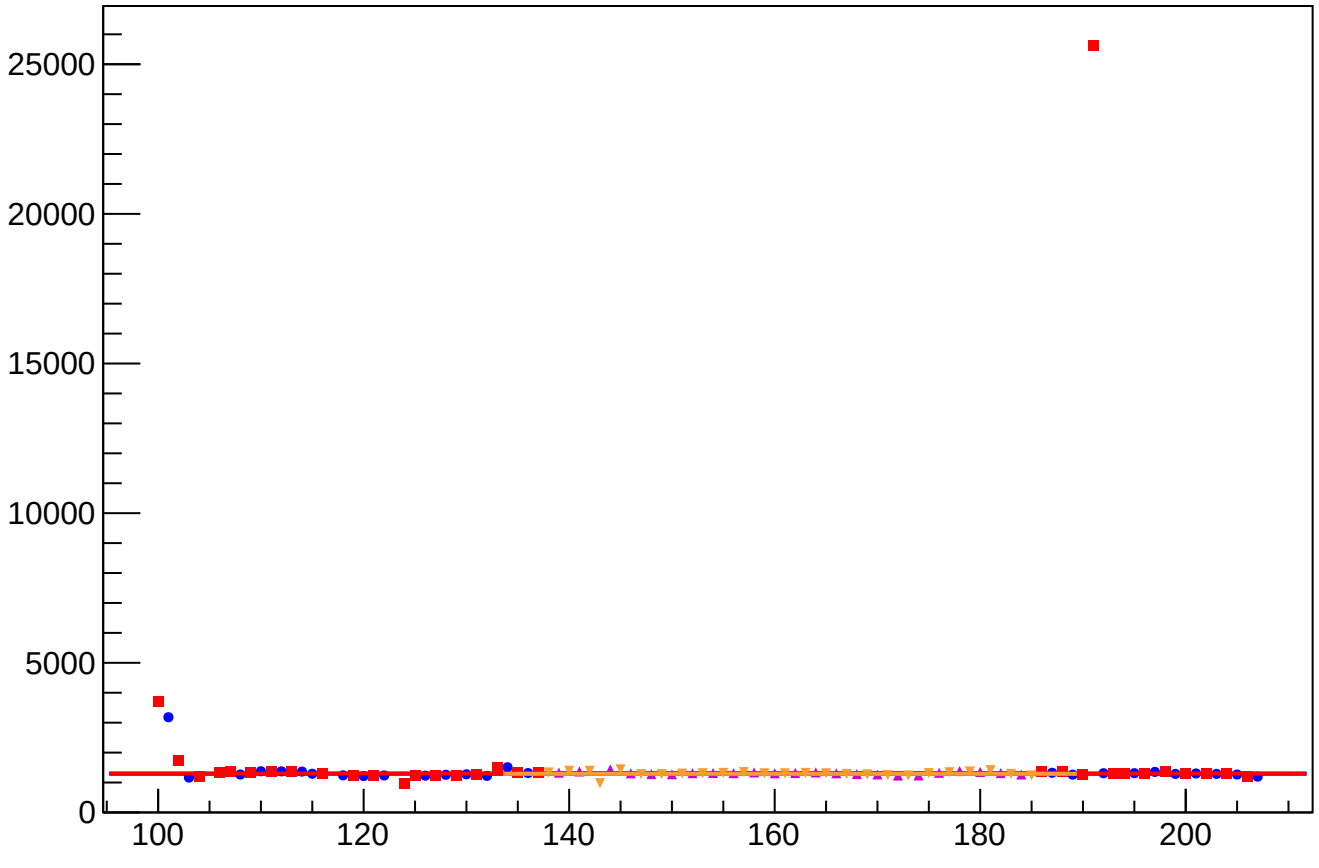
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -199.452+/-234.736 χ^2/NDF: 53.0/56

In: -464.868+/-227.175 χ^2/NDF:40.7/48

Out: 260.478+/-218.597 χ^2/NDF:74.2/55

All: -88.242+/-157.517 χ^2/NDF: 120.2/104



Right In: 1294.519+/-0.239 χ^2/NDF: 528815.1/25

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

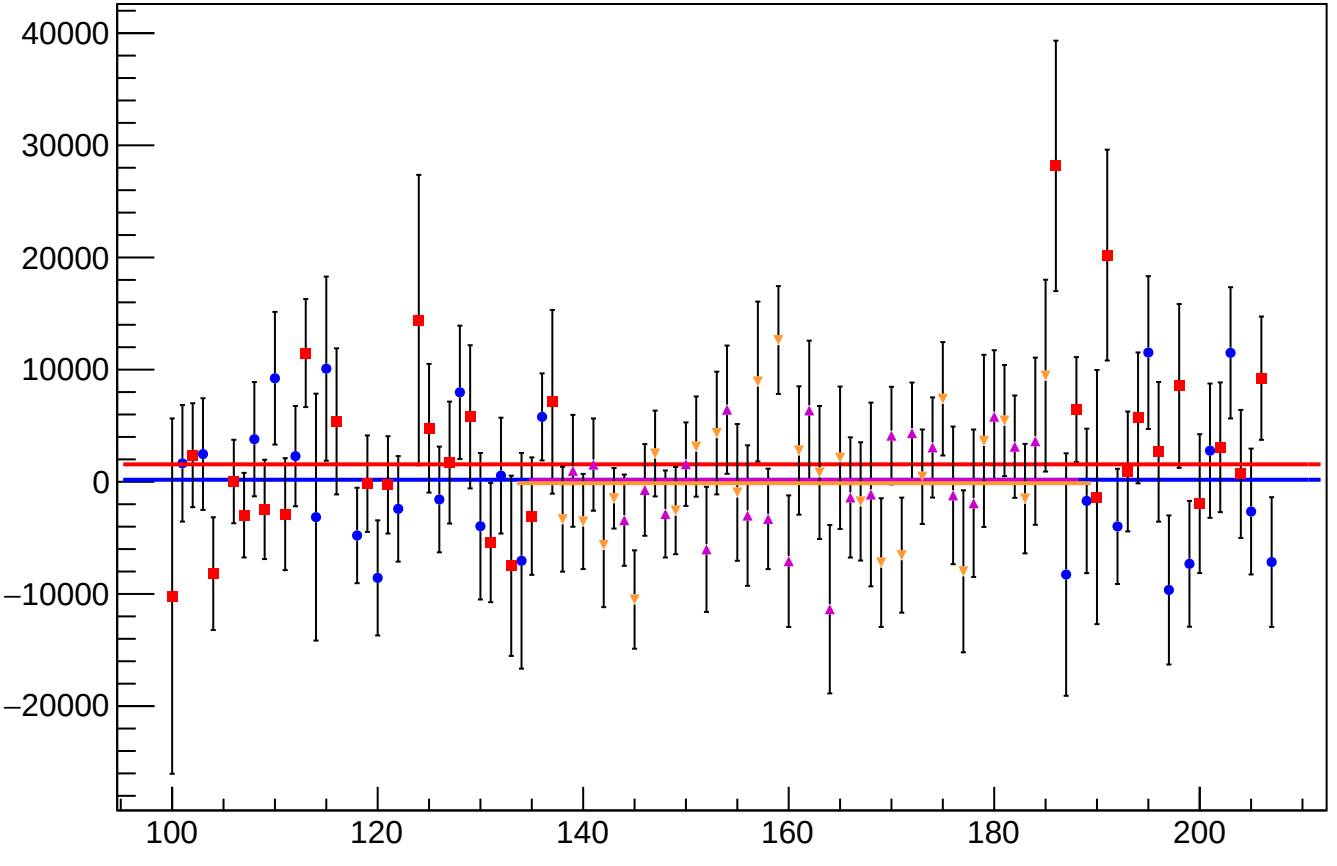
Right: 1297.365+/-0.166 χ^2/NDF: 907060.0/56

In: 1305.186+/-0.161 χ^2/NDF:575508.4/48

Out: 1295.162+/-0.155 χ^2/NDF:609511.8/55

All: 1299.981+/-0.111 χ^2/NDF: 1187042.3/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 182.165+/-1095.751 χ^2/NDF: 28.3/25

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

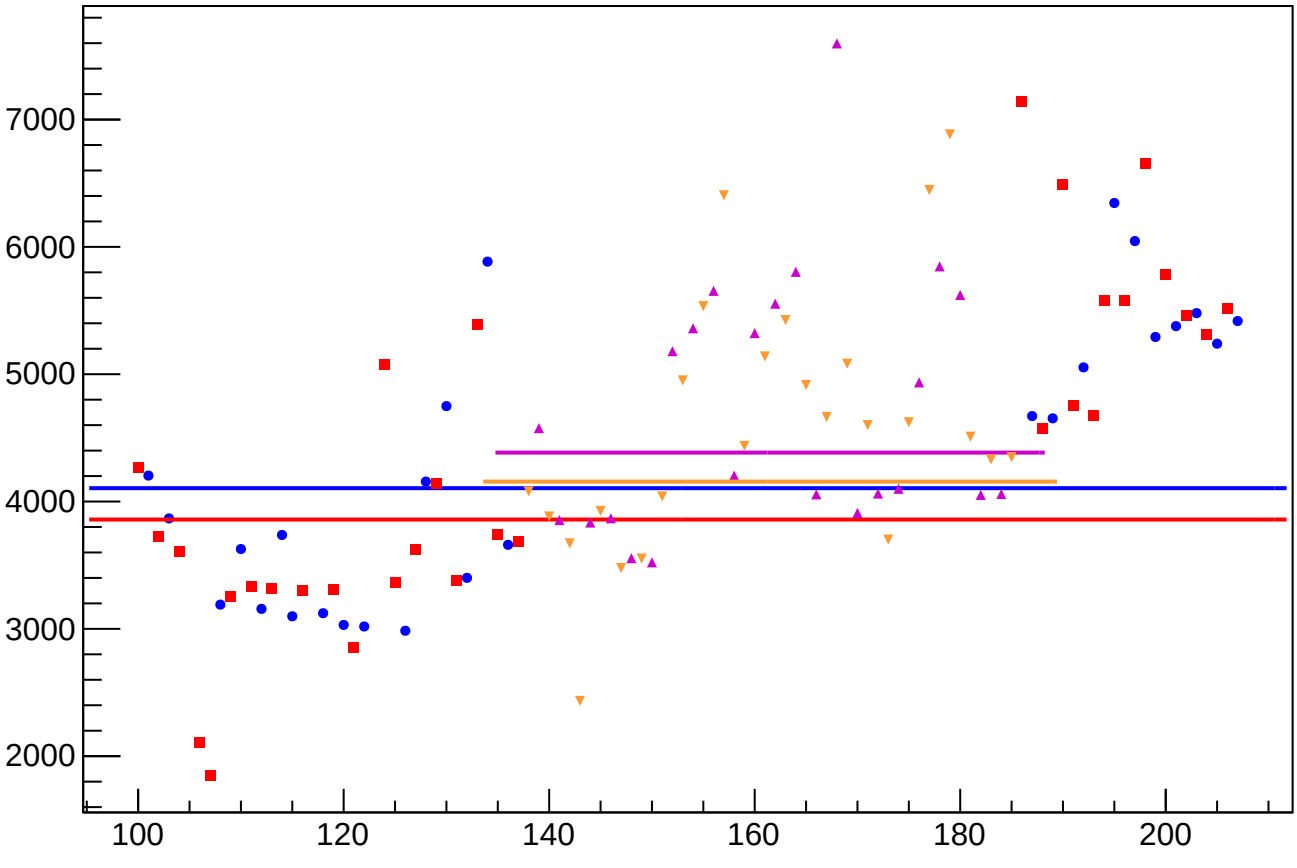
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 930.748+/-739.453 χ^2/NDF: 62.2/56

In: 170.277+/-756.426 χ^2/NDF:42.1/48

Out: 693.649+/-699.605 χ^2/NDF:63.1/55

All: 452.356+/-513.610 χ^2/NDF: 105.4/104



Right In: 4104.899+/-0.775 χ^2/NDF: 1720719.4/25

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

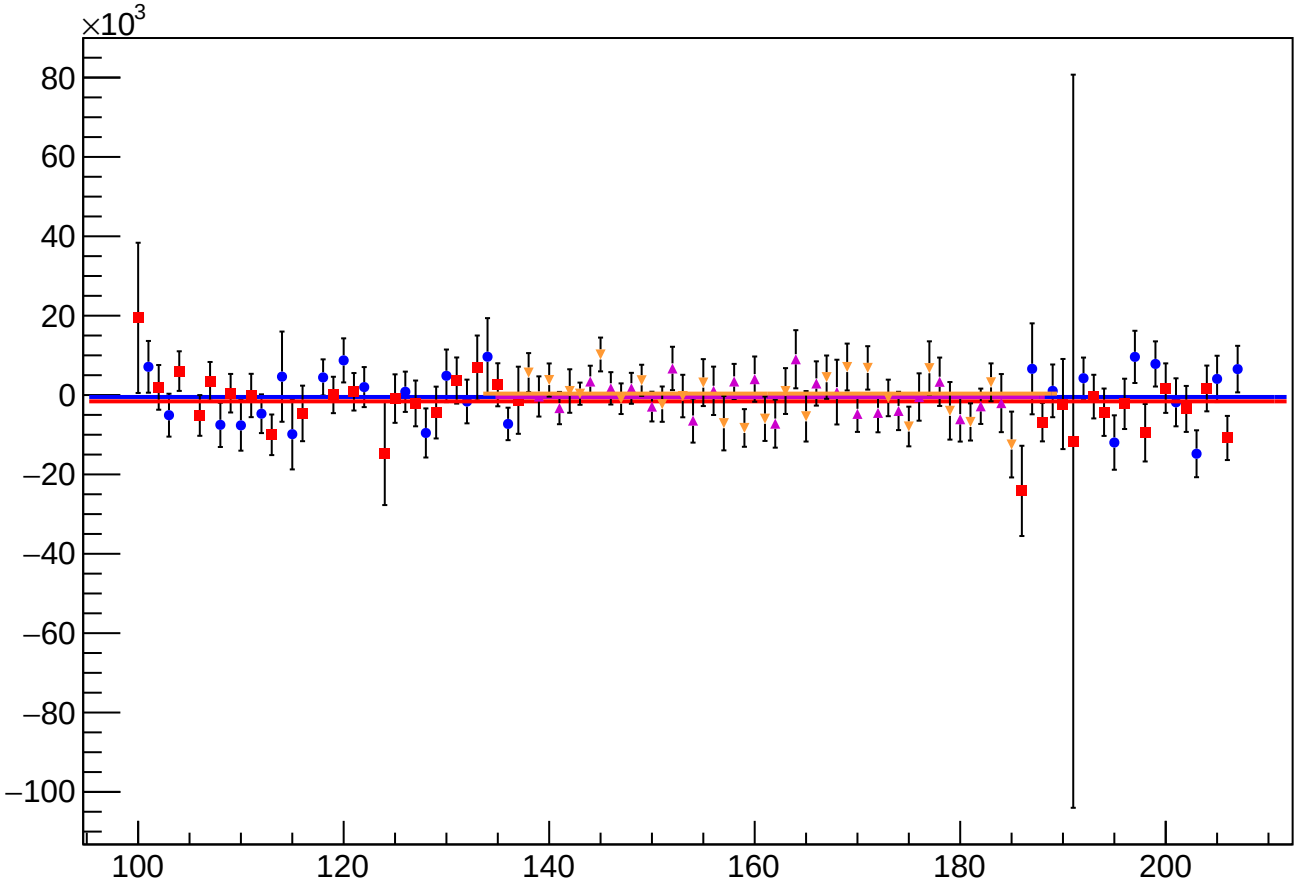
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3970.802+/-0.523 χ^2/NDF: 4833567.9/56

In: 4251.167+/-0.535 χ^2/NDF:3044275.9/48

Out: 4011.357+/-0.495 χ^2/NDF:5229230.8/55

All: 4121.917+/-0.363 χ^2/NDF: 8381847.8/10



Right In: -484.908+/-1158.644 χ^2/NDF: 34.4/25

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

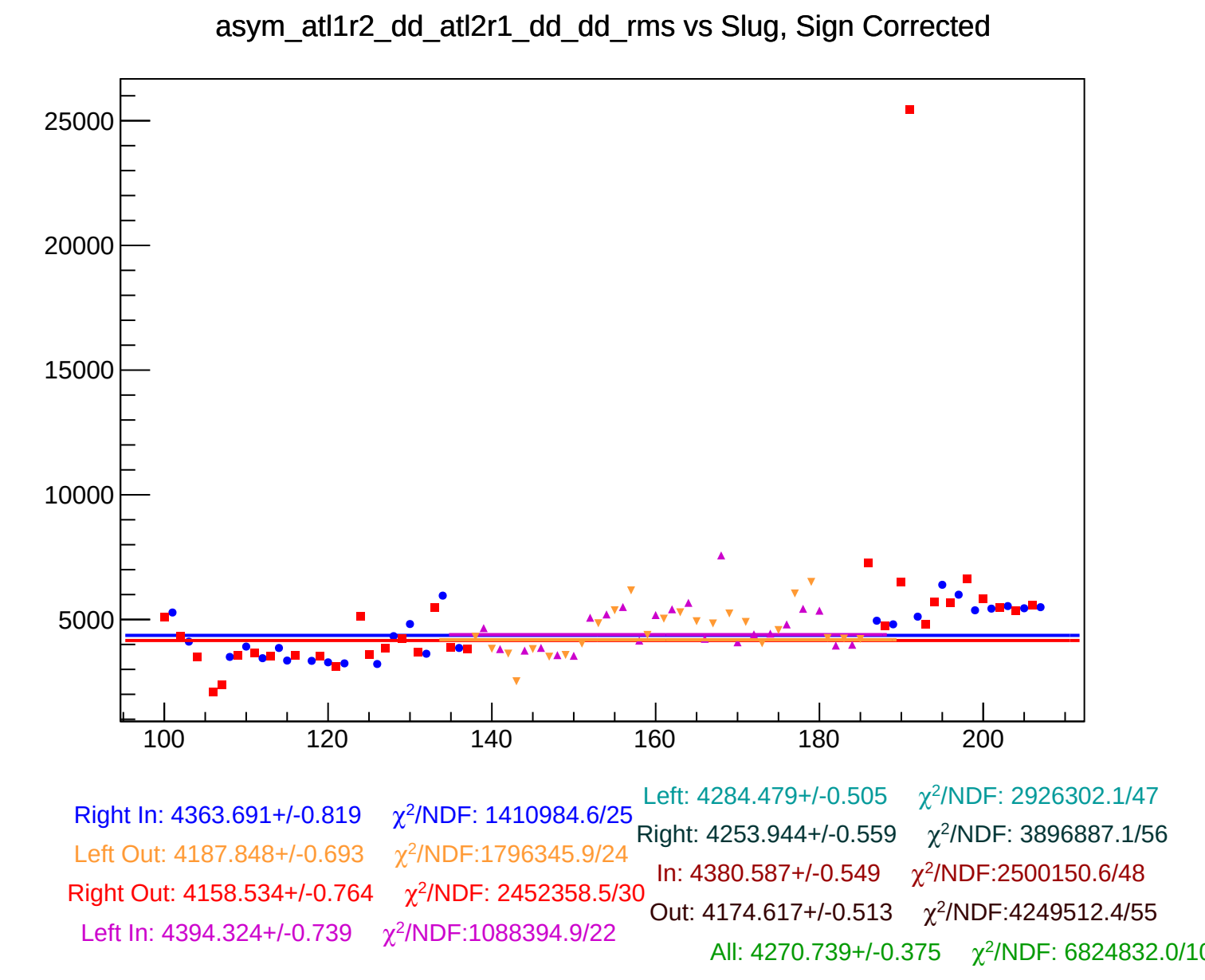
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1071.019+/-794.014 χ^2/NDF: 57.7/56

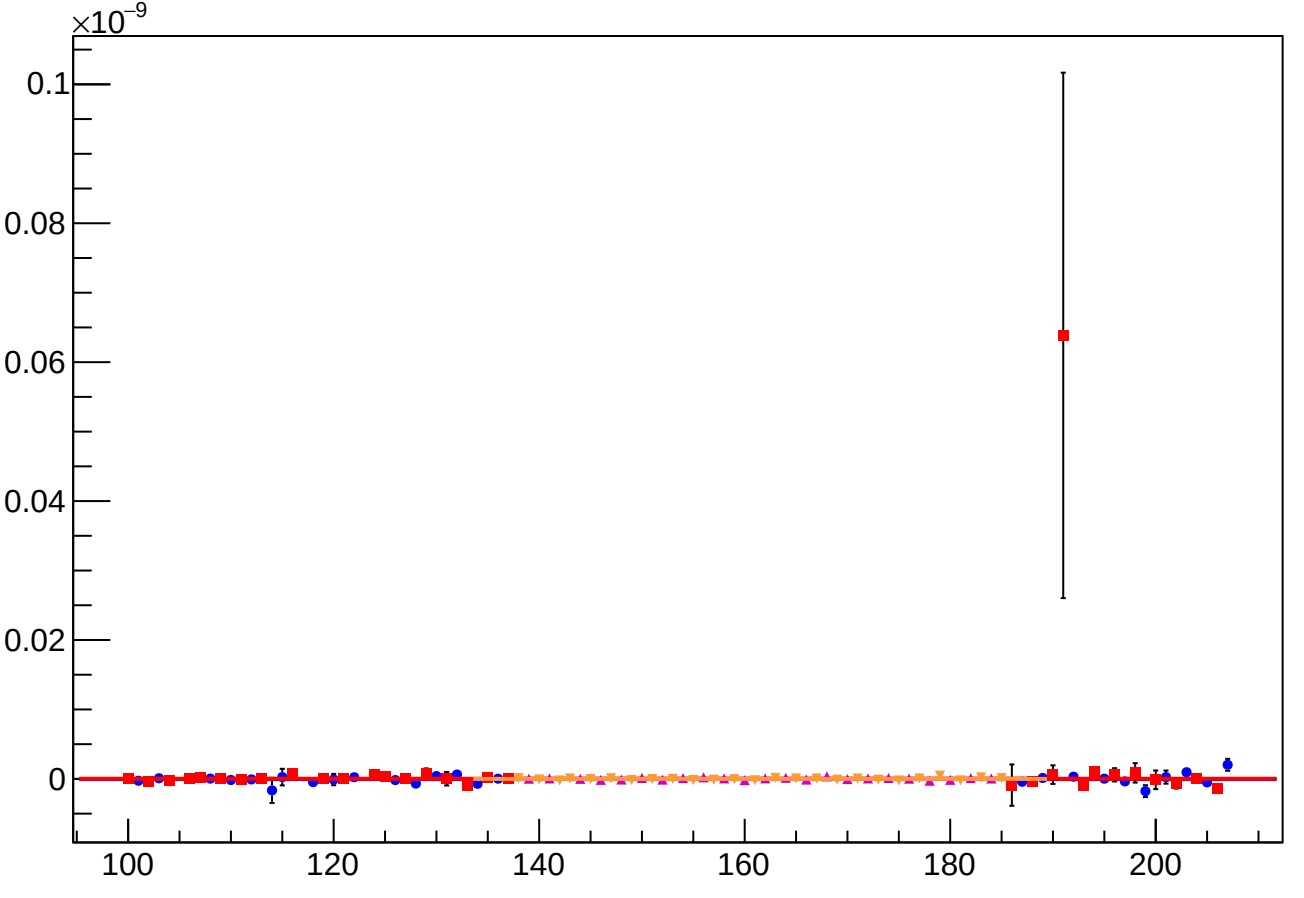
In: -491.865+/-775.882 χ^2/NDF:48.3/48

Out: -509.887+/-728.787 χ^2/NDF:52.2/55

All: -501.440+/-531.200 χ^2/NDF: 100.5/104


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4363.691+/-0.819 χ²/NDF: 1410984.6/25
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: 4253.944+/-0.559 χ²/NDF: 3896887.1/56
In: 4380.587+/-0.549 χ²/NDF:2500150.6/48
Out: 4174.617+/-0.513 χ²/NDF:4249512.4/55
All: 4270.739+/-0.375 χ²/NDF: 6824832.0/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/25

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

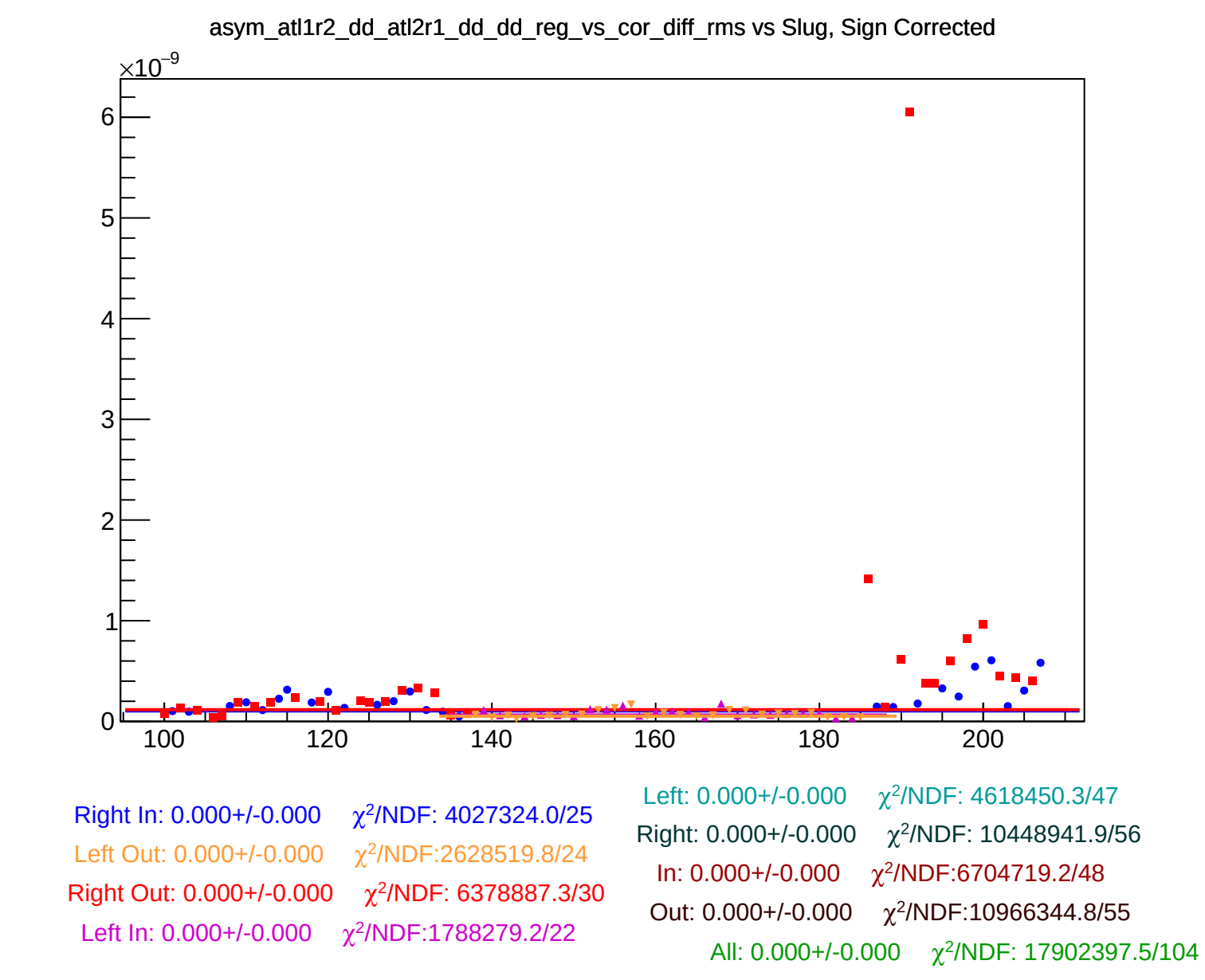
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 67.6/56

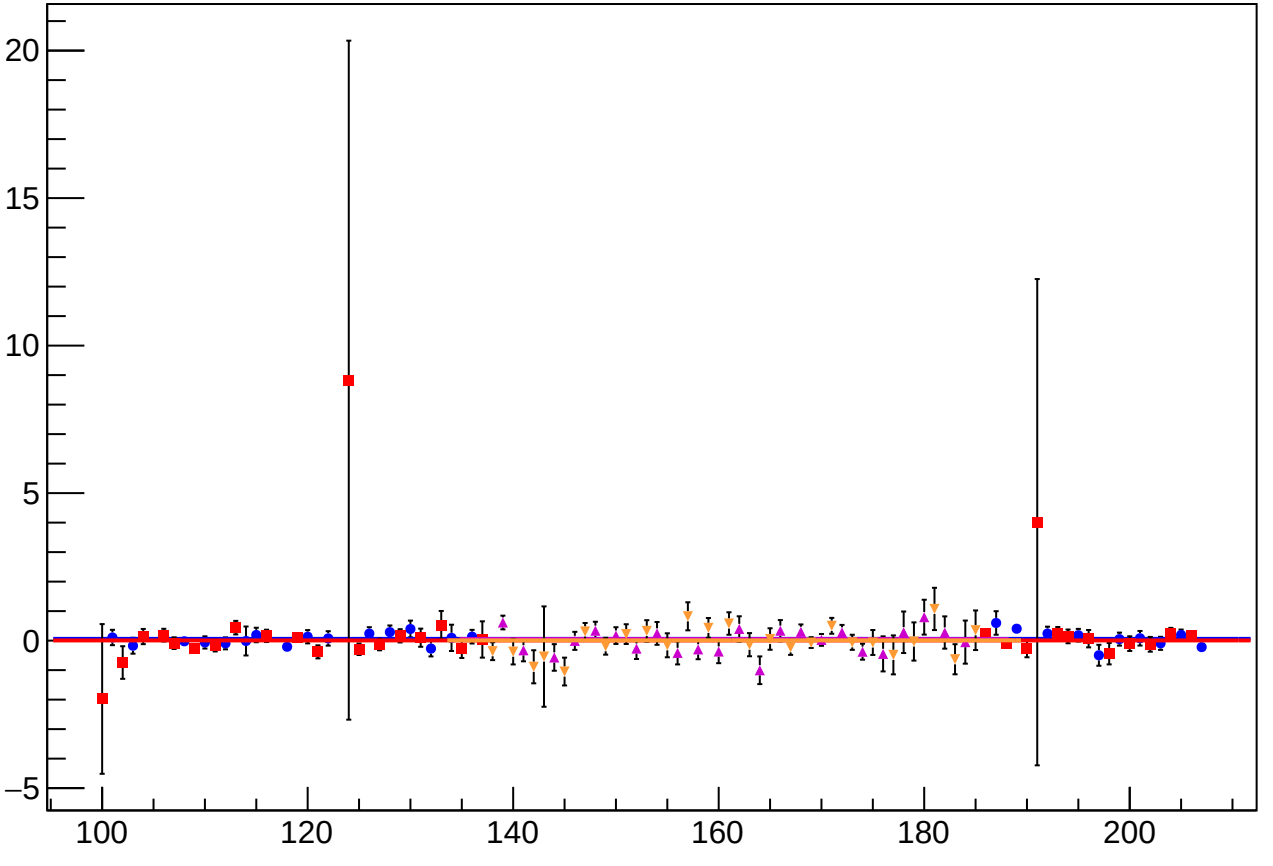
In: 0.000+/-0.000 χ^2/NDF:51.8/48

Out: -0.000+/-0.000 χ^2/NDF:63.6/55

All: 0.000+/-0.000 χ^2/NDF: 115.6/104


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: 4027324.0/25
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: 10448941.9/56
In: 0.000+/-0.000 χ²/NDF:6704719.2/48
Out: 0.000+/-0.000 χ²/NDF:10966344.8/55
All: 0.000+/-0.000 χ²/NDF: 17902397.5/104

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

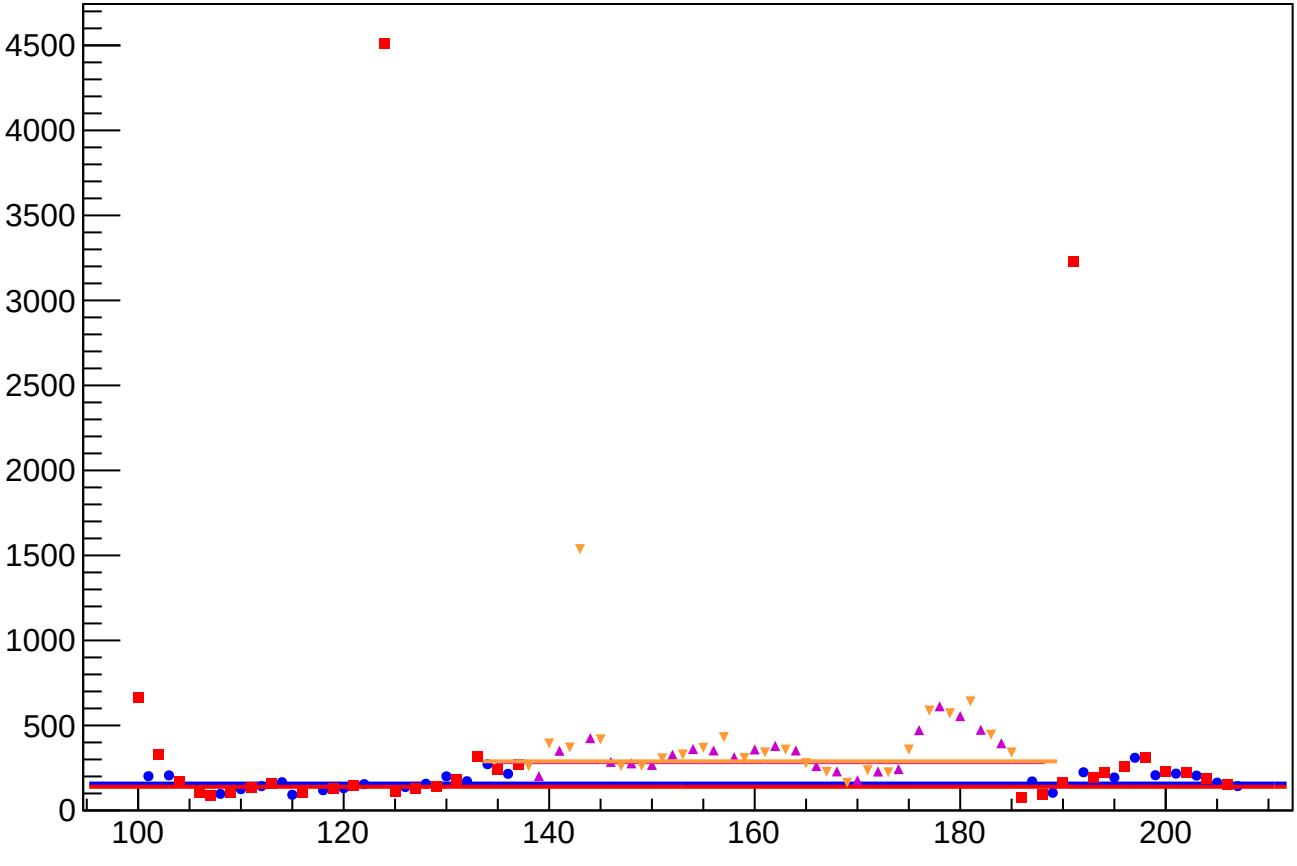
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235932.9/25

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

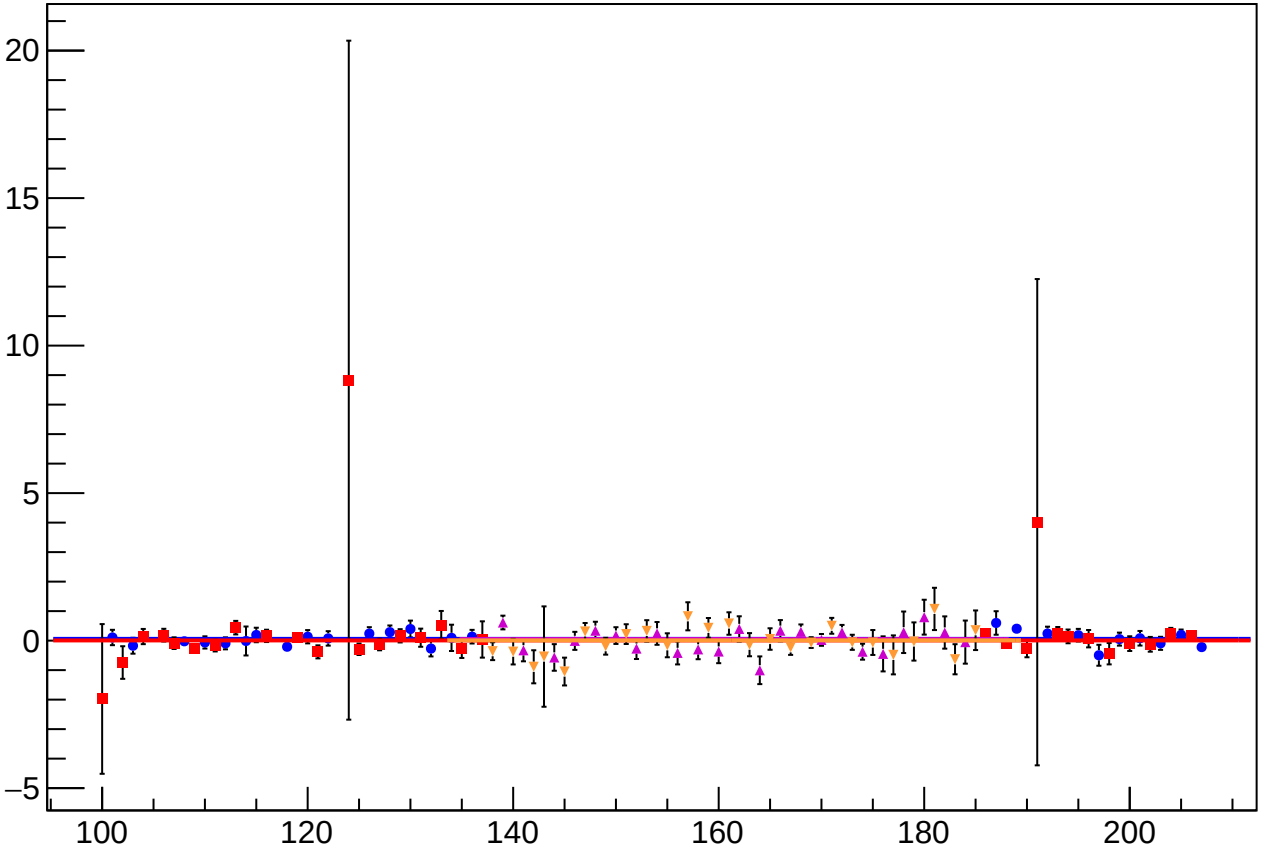
Right: 147.578+/-0.020 χ^2/NDF: 7119648.1/56

In: 192.949+/-0.026 χ^2/NDF:9953913.7/48

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 182.453+/-0.018 χ^2/NDF: 26418523.1/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

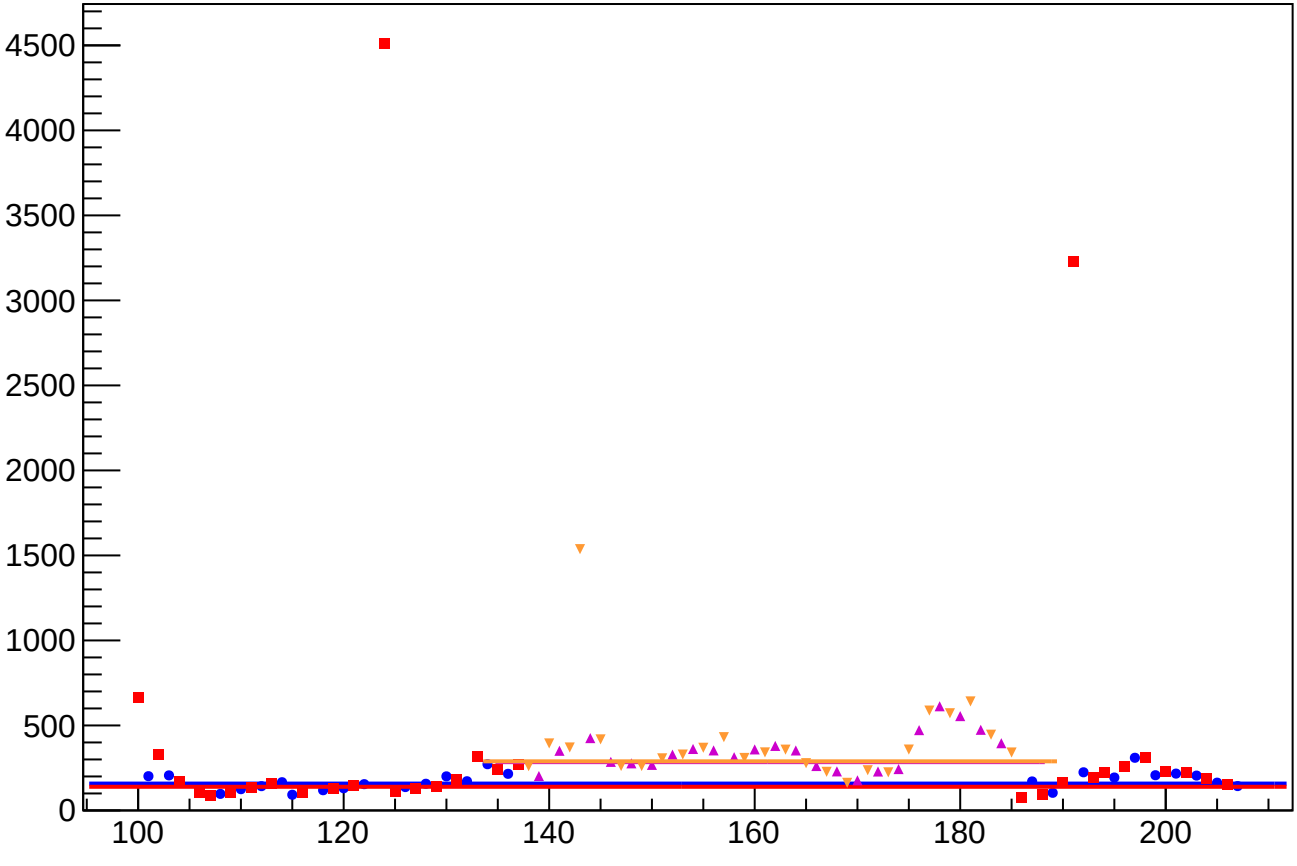
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235932.9/25

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

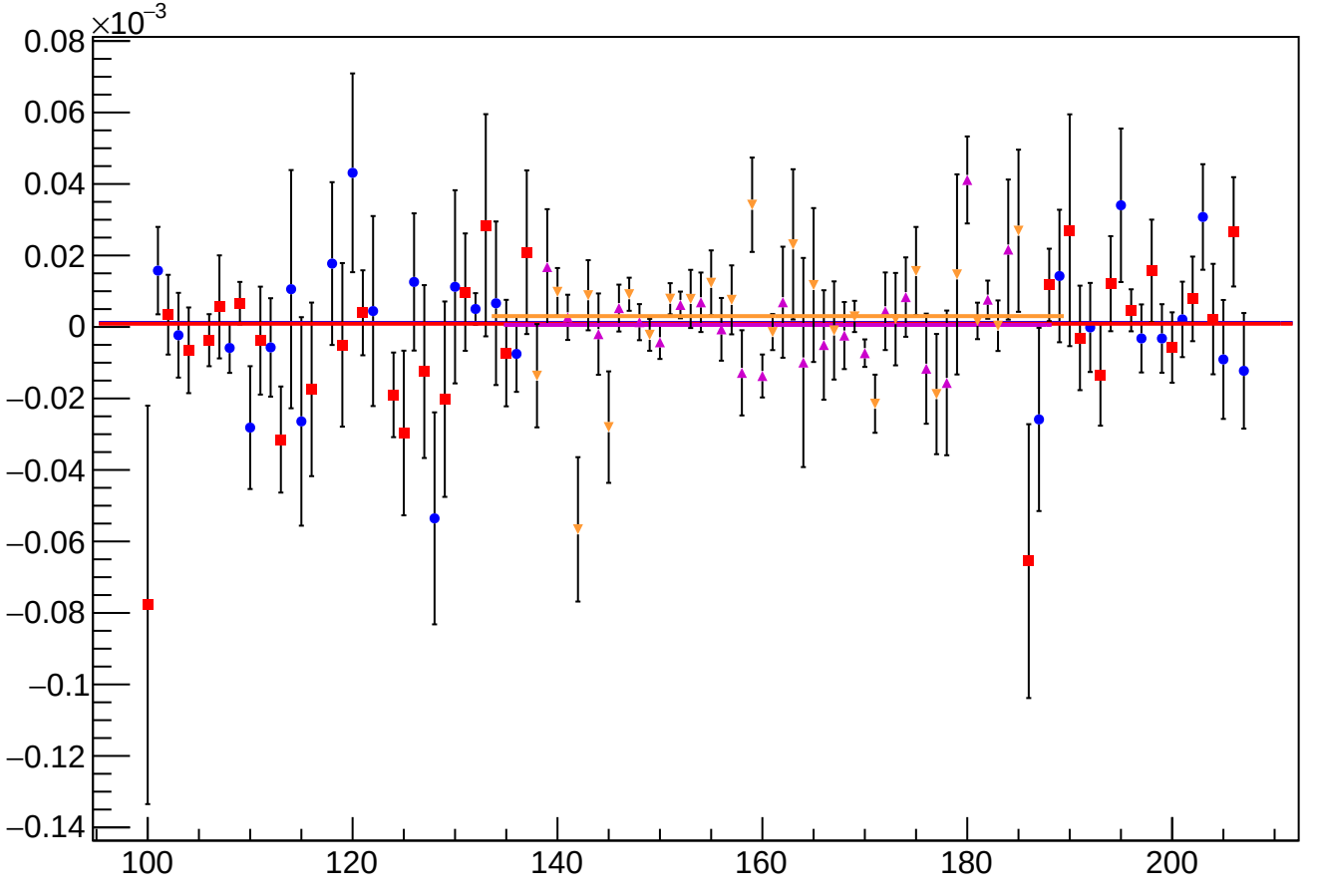
Right: 147.578+/-0.020 χ^2/NDF: 7119648.1/56

In: 192.949+/-0.026 χ^2/NDF:9953913.7/48

Out: 173.591+/-0.024 χ^2/NDF:16168125.7/55

All: 182.453+/-0.018 χ^2/NDF: 26418523.1/10

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: 24.4/25

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

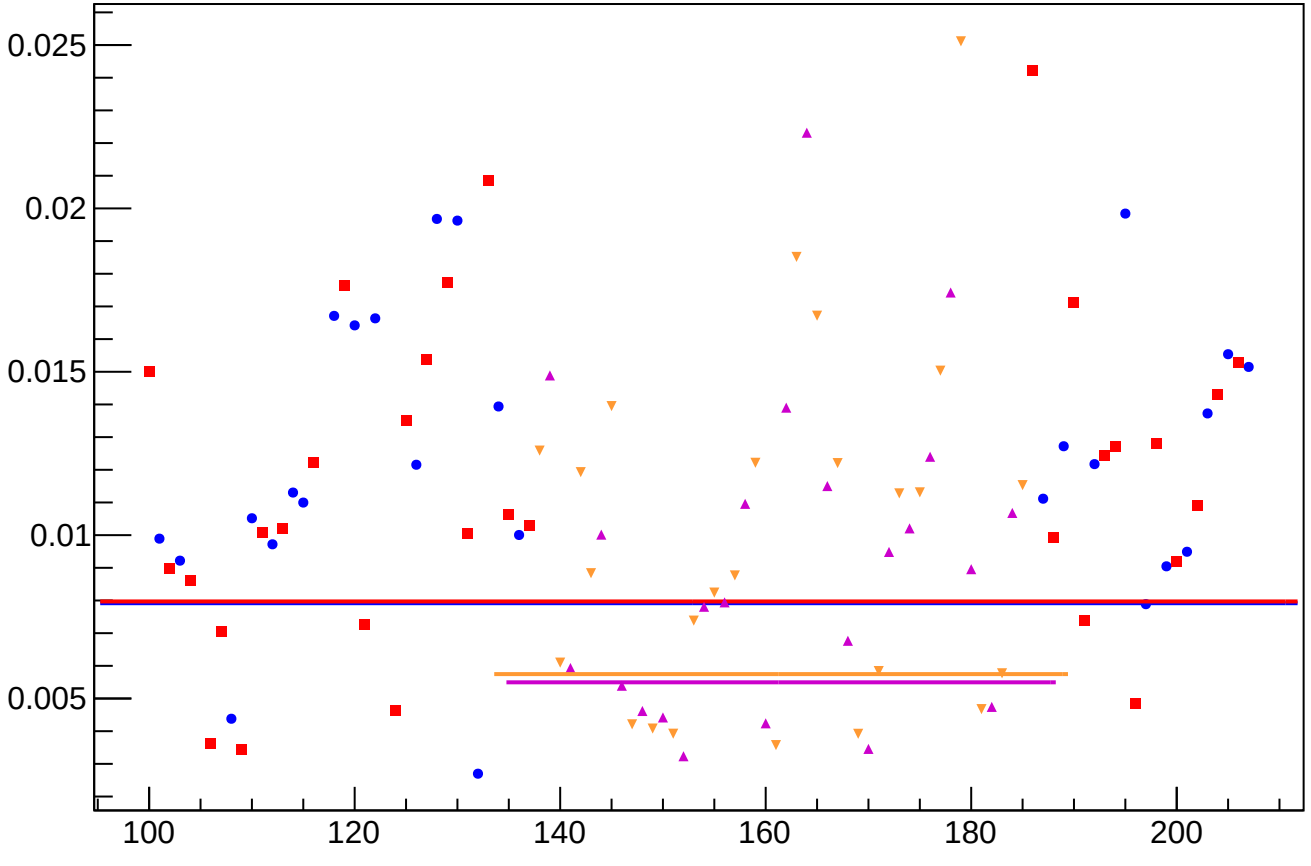
Right: 0.000+/-0.000 χ^2/NDF: 53.1/56

In: 0.000+/-0.000 χ^2/NDF:57.6/48

Out: 0.000+/-0.000 χ^2/NDF:71.6/55

All: 0.000+/-0.000 χ^2/NDF: 130.0/104

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: 7412887.6/25

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

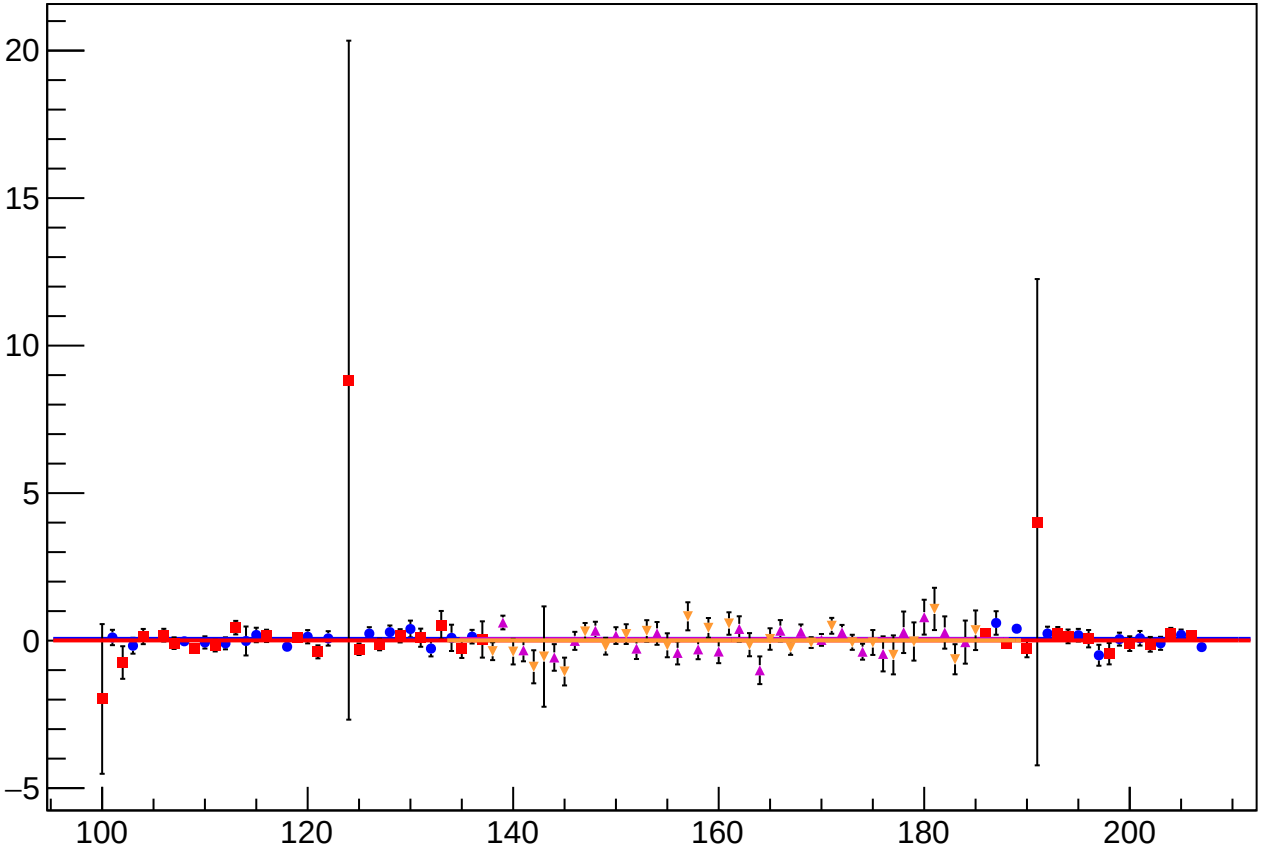
Right: 0.008+/-0.000 χ^2/NDF: 13835930.9/56

In: 0.006+/-0.000 χ^2/NDF:15799976.4/48

Out: 0.006+/-0.000 χ^2/NDF:15886453.6/55

All: 0.006+/-0.000 χ^2/NDF: 31727909.0/104

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

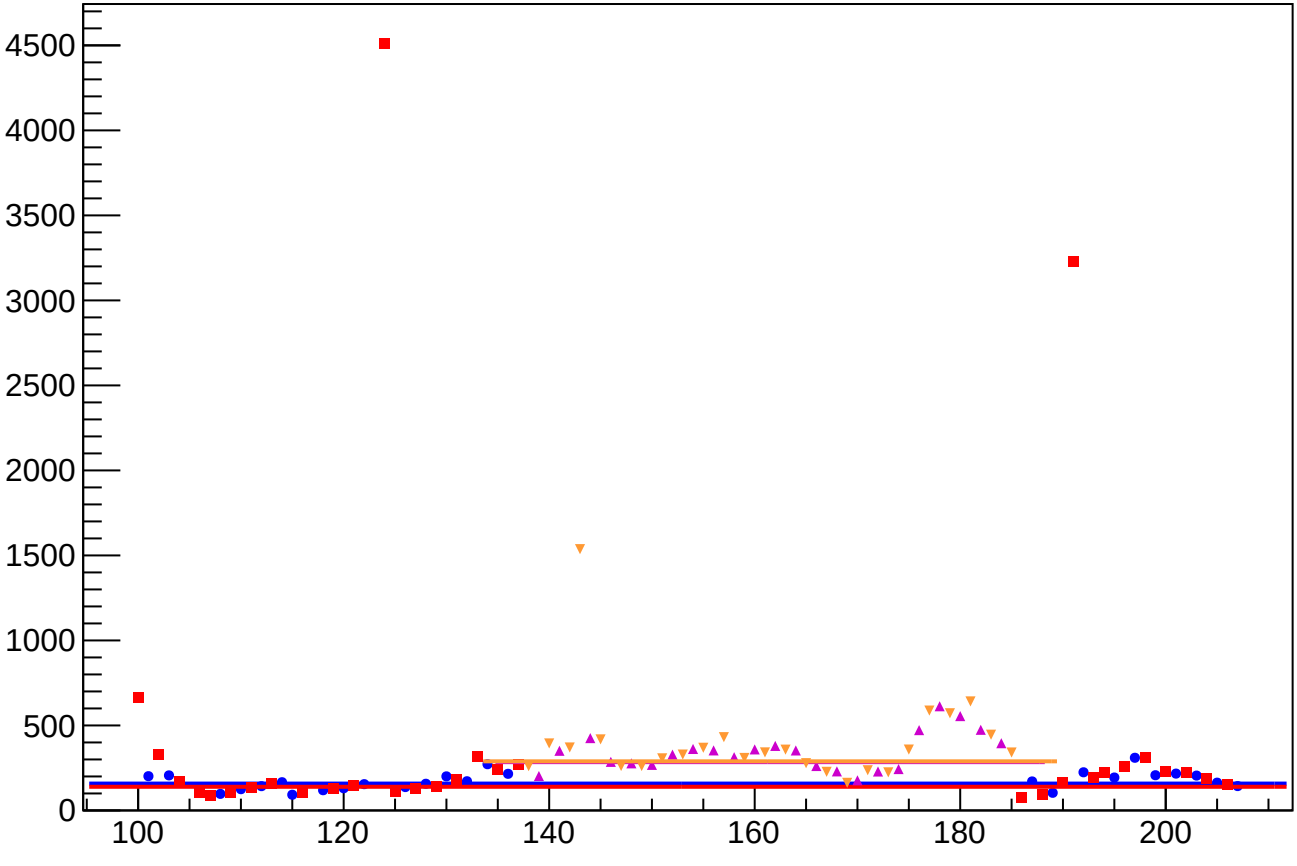
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235925.3/25

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

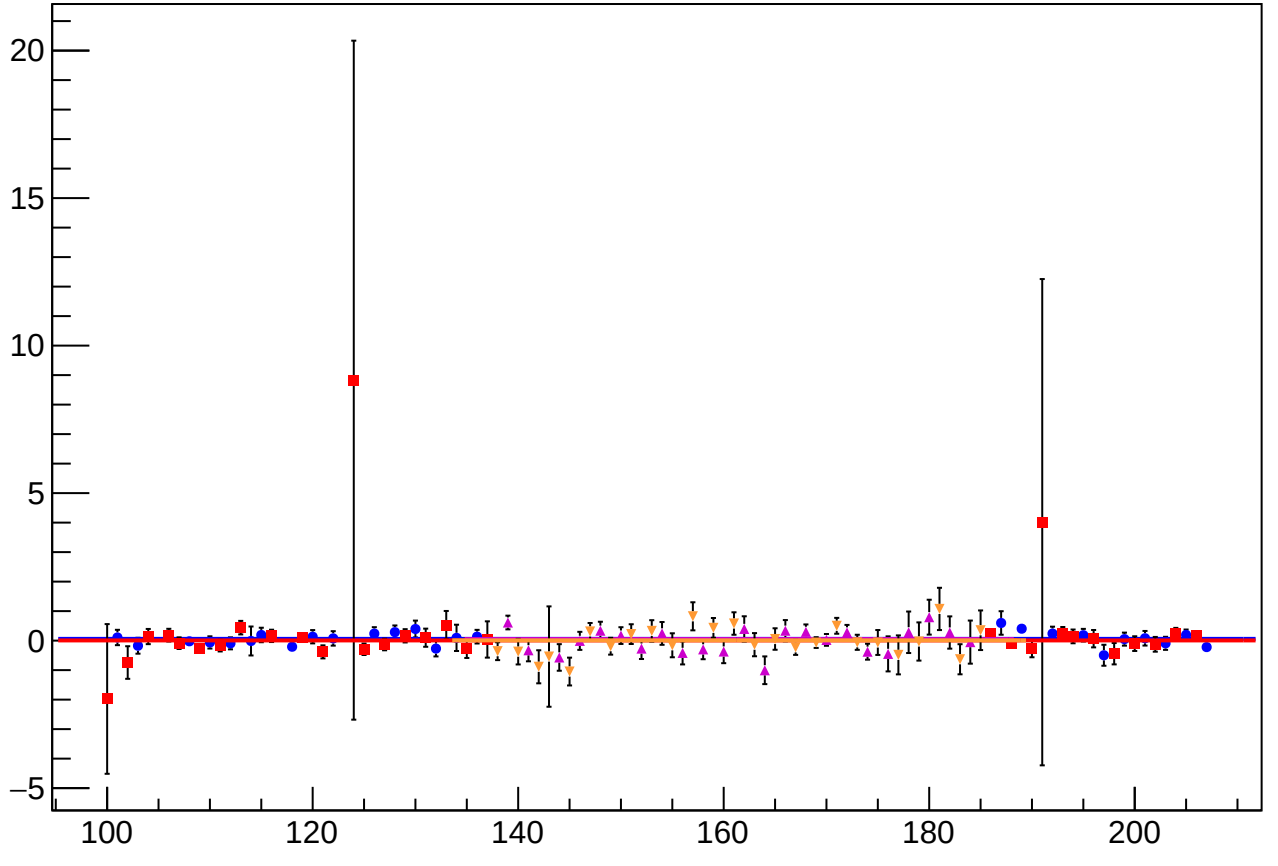
Right: 147.579+/-0.020 χ^2/NDF: 7119434.7/56

In: 192.949+/-0.026 χ^2/NDF:9954073.4/48

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 182.455+/-0.018 χ^2/NDF: 26418417.8/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.059+/-0.044 χ^2/NDF: 24.4/25

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

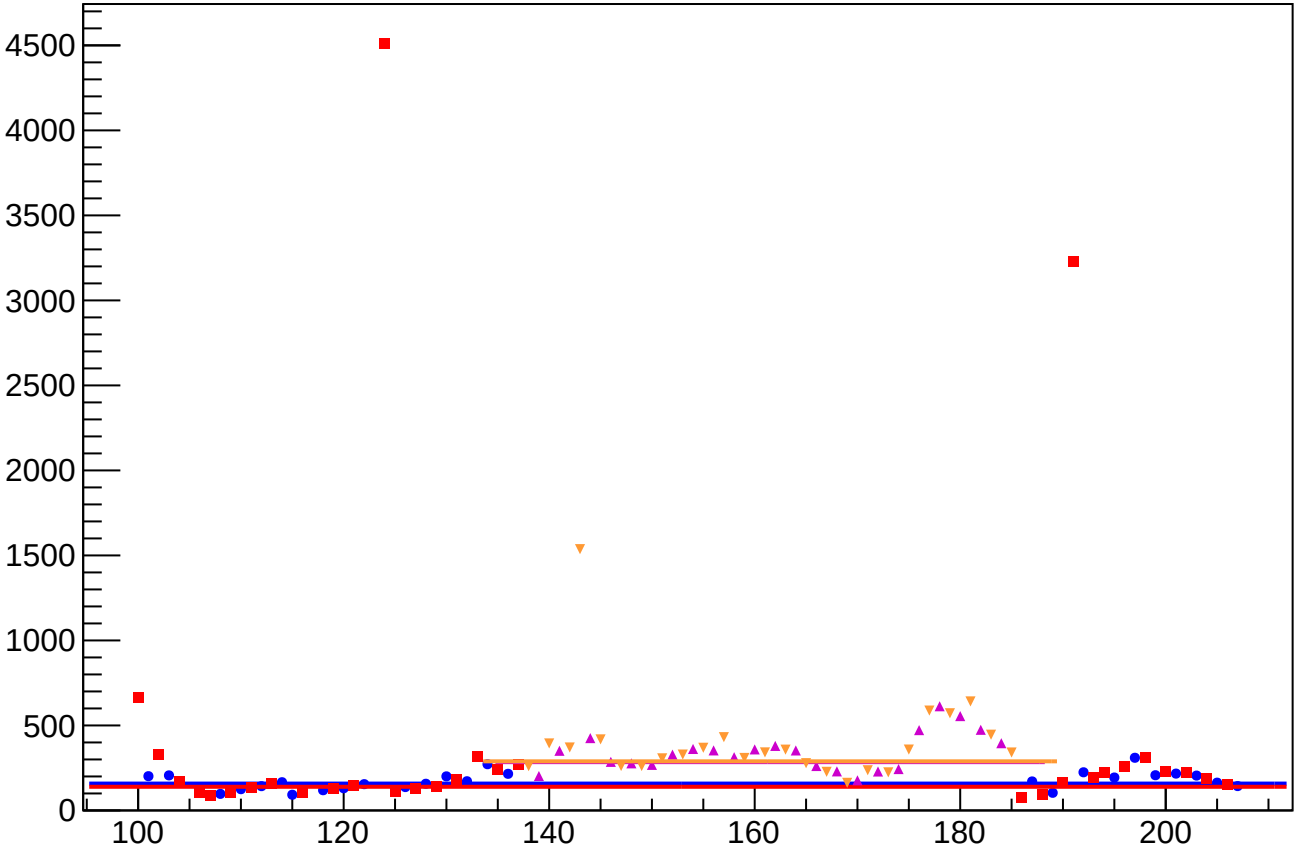
Right: 0.030+/-0.029 χ^2/NDF: 57.1/56

In: 0.058+/-0.037 χ^2/NDF:52.2/48

Out: 0.008+/-0.034 χ^2/NDF:60.8/55

All: 0.030+/-0.025 χ^2/NDF: 114.0/104

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 158.088+/-0.031 χ^2/NDF: 2235925.3/25

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

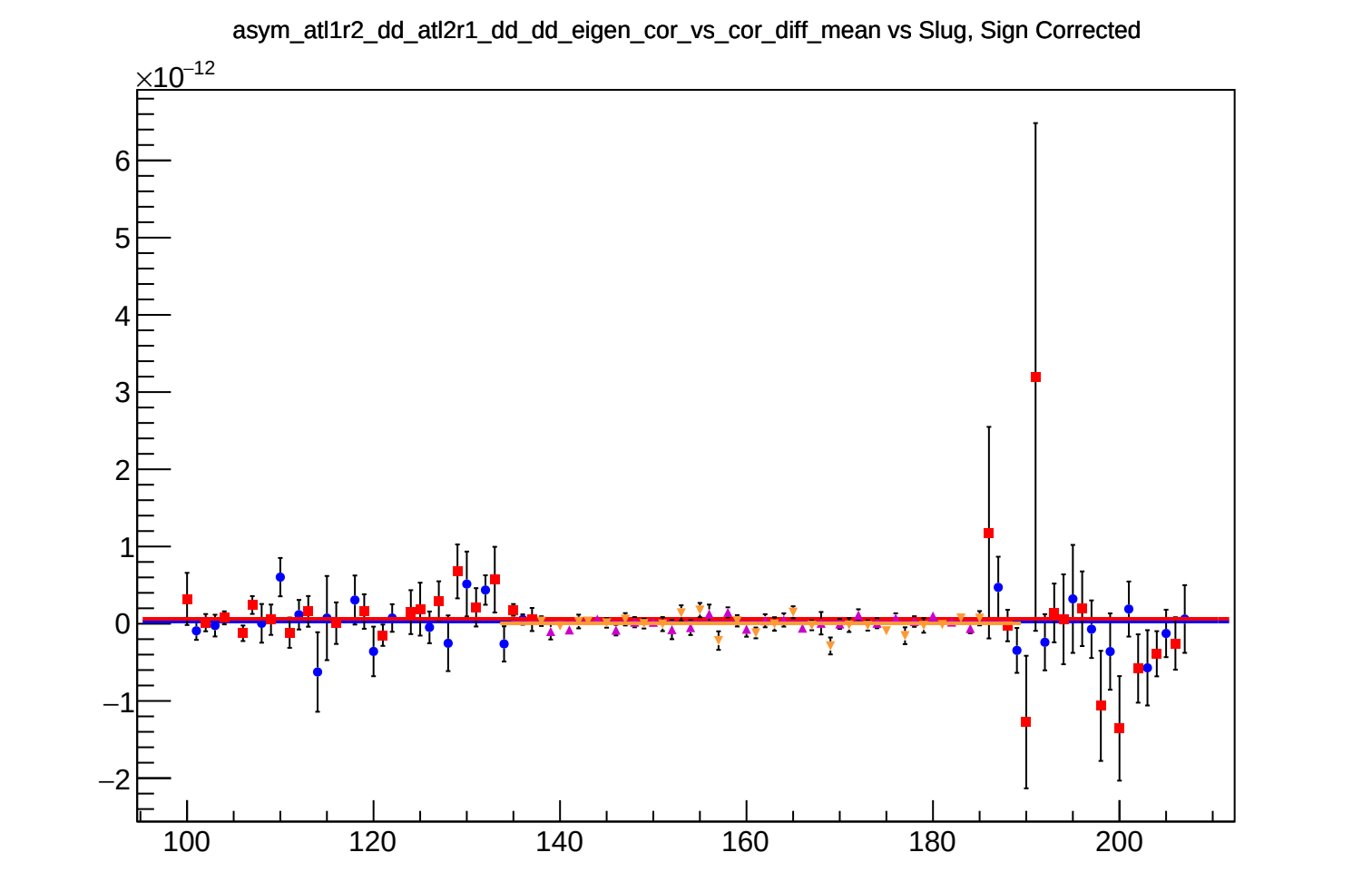
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.579+/-0.020 χ^2/NDF: 7119434.7/56

In: 192.949+/-0.026 χ^2/NDF:9954073.4/48

Out: 173.593+/-0.024 χ^2/NDF:16167921.1/55

All: 182.455+/-0.018 χ^2/NDF: 26418417.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/25

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

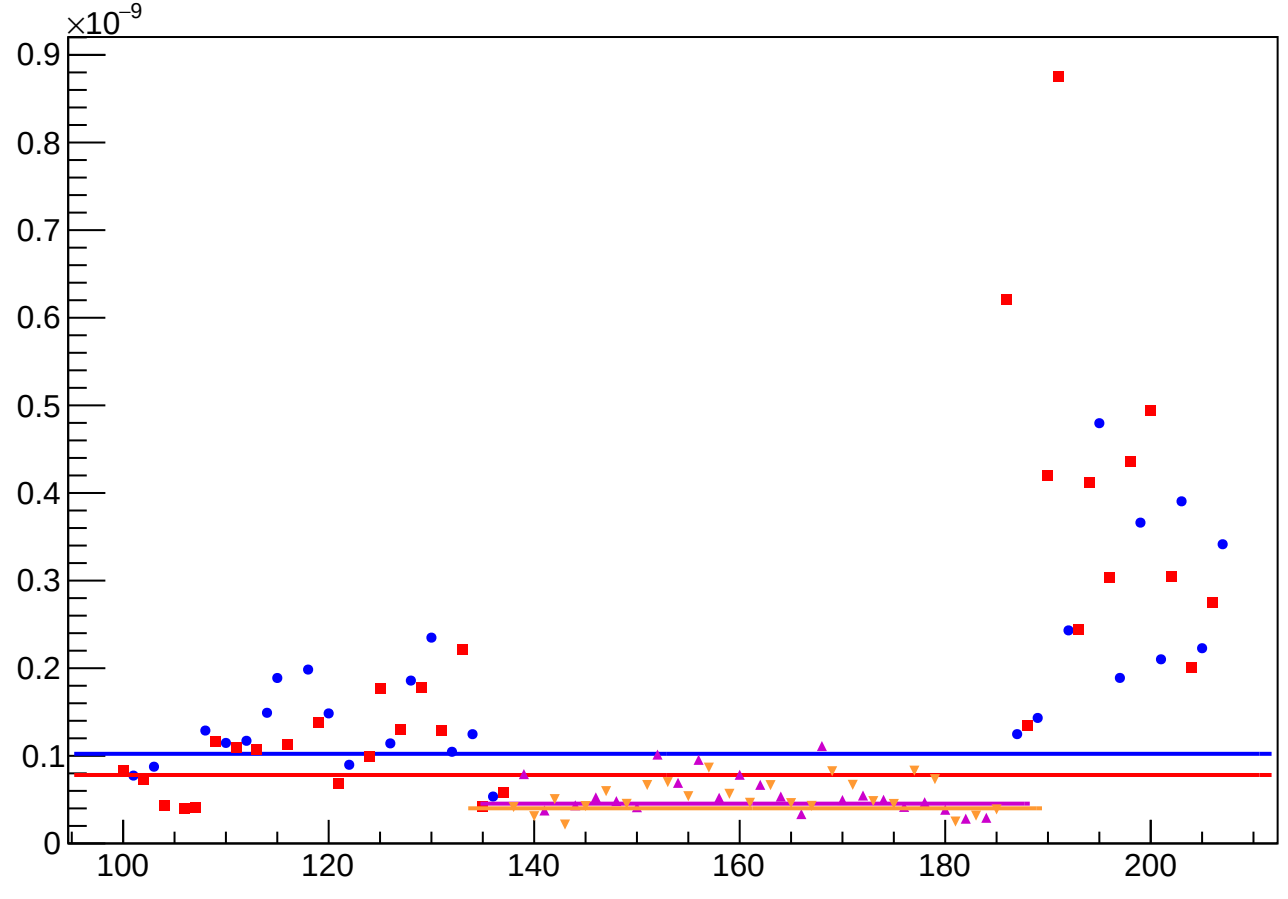
Right: 0.000+/-0.000 χ^2/NDF: 61.0/56

In: 0.000+/-0.000 χ^2/NDF:48.7/48

Out: 0.000+/-0.000 χ^2/NDF:72.0/55

All: 0.000+/-0.000 χ^2/NDF: 120.8/104

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5234990.1/25

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

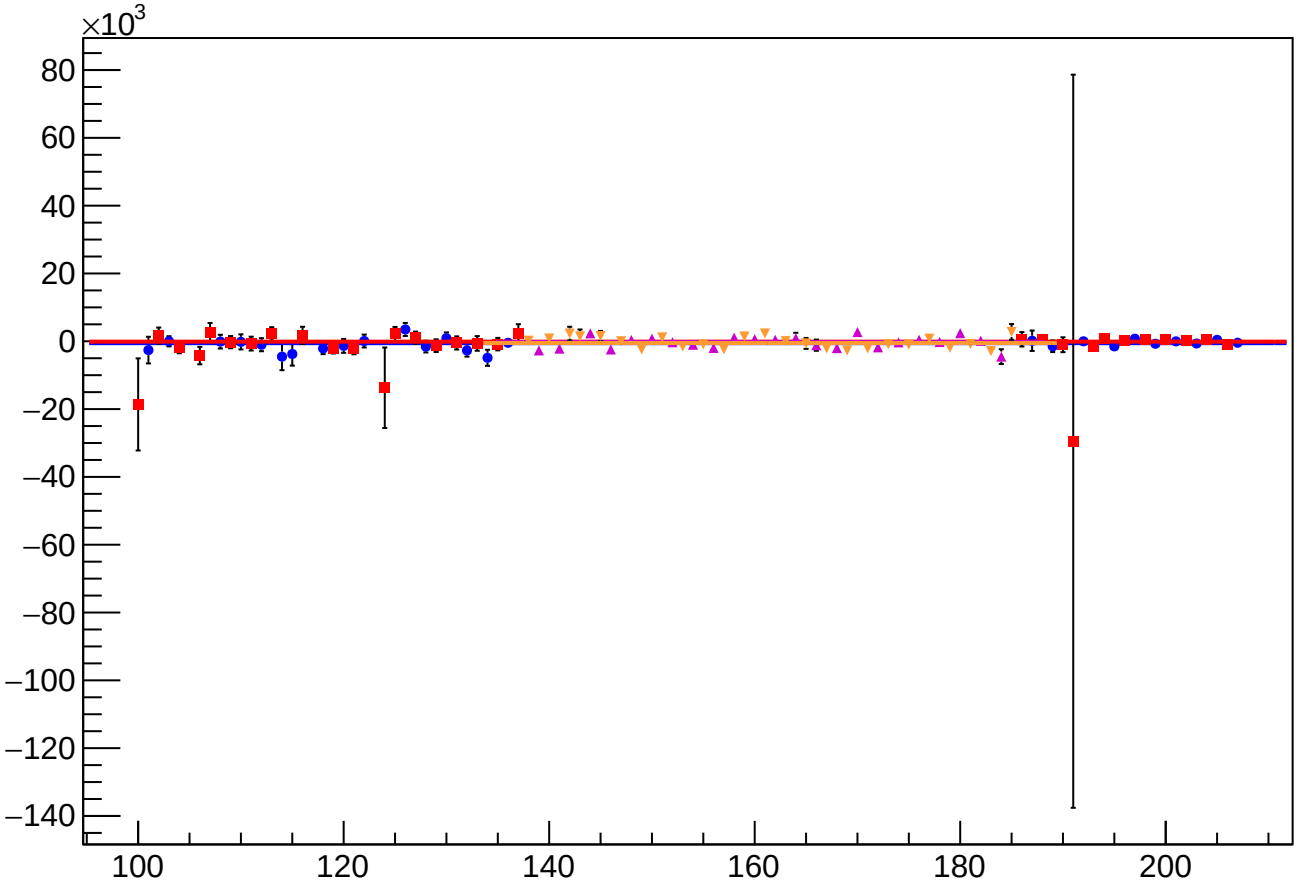
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13288275.0/56

In: 0.000+/-0.000 χ^2/NDF:11584194.8/48

Out: 0.000+/-0.000 χ^2/NDF:13578076.9/55

All: 0.000+/-0.000 χ^2/NDF: 25445033.4/104



Right In: -557.922+/-331.748 χ^2/NDF: 16.2/25

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

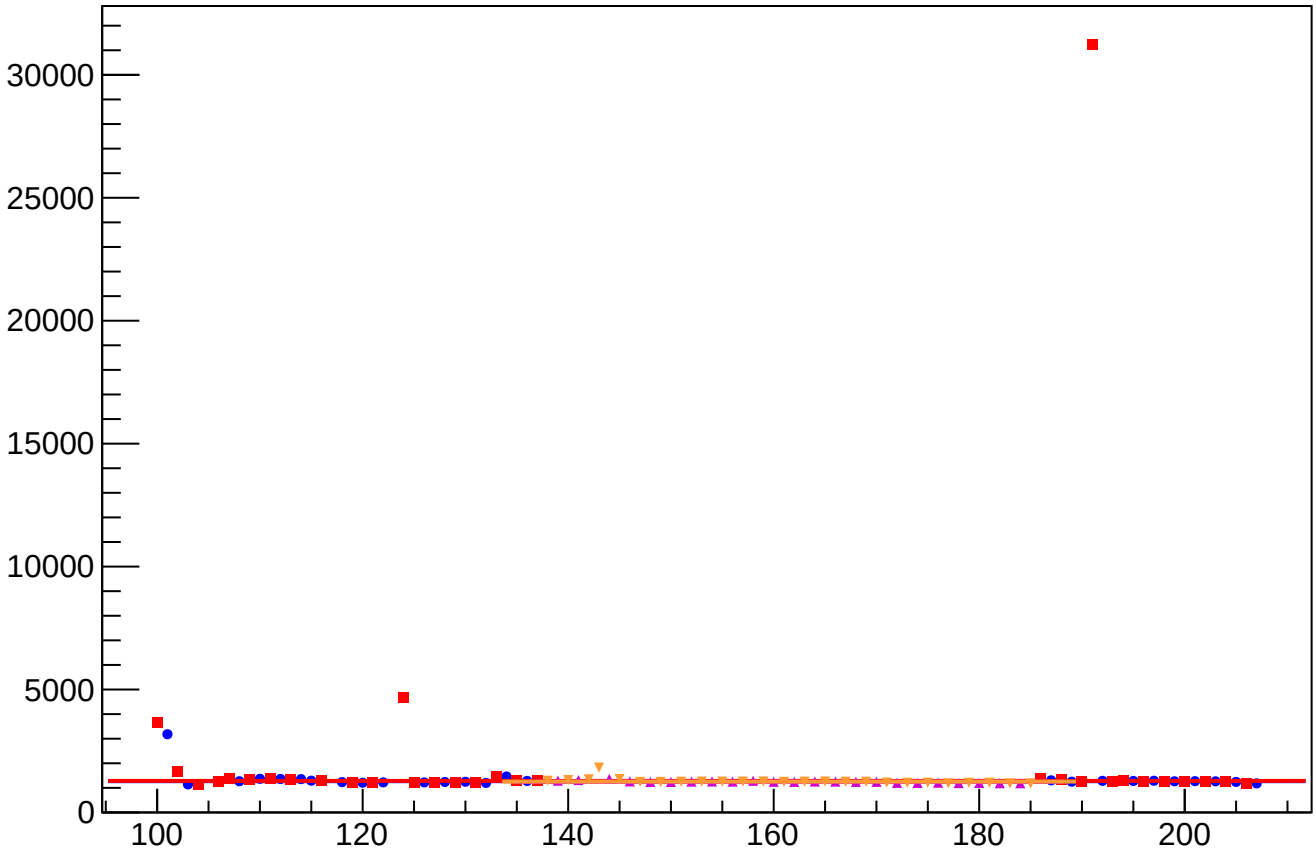
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -326.106+/-231.258 χ^2/NDF: 36.8/56

In: -379.854+/-218.835 χ^2/NDF:48.8/48

Out: -335.152+/-213.968 χ^2/NDF:51.4/55

All: -357.000+/-152.990 χ^2/NDF: 100.2/104



Right In: 1271.870+/-0.235 χ^2/NDF: 532252.5/25

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

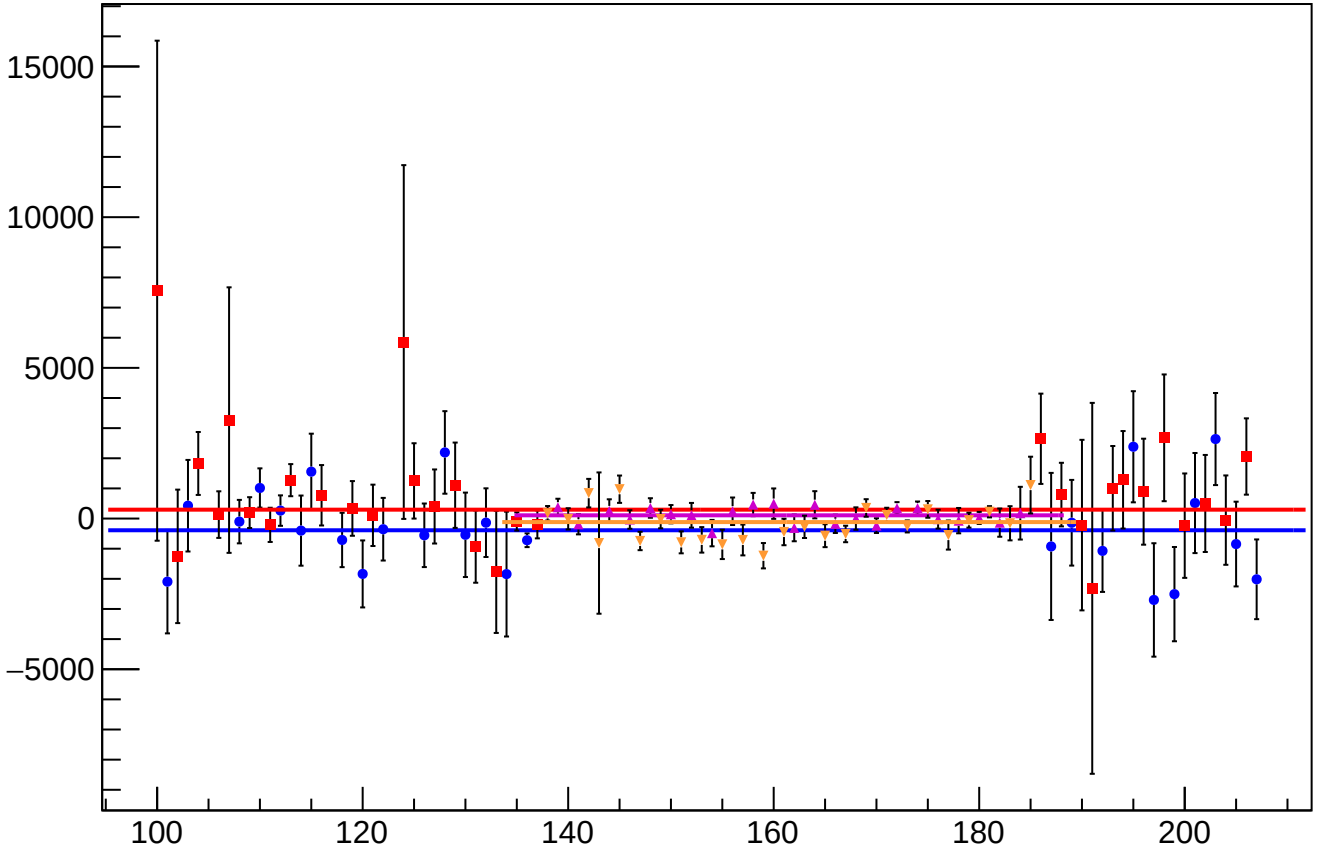
Right: 1277.689+/-0.164 χ^2/NDF: 1040687.2/56

In: 1257.457+/-0.155 χ^2/NDF:578792.7/48

Out: 1267.693+/-0.151 χ^2/NDF:718606.8/55

All: 1262.690+/-0.108 χ^2/NDF: 1299636.7/10

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -388.665+/-159.310 χ^2/NDF: 29.9/25

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

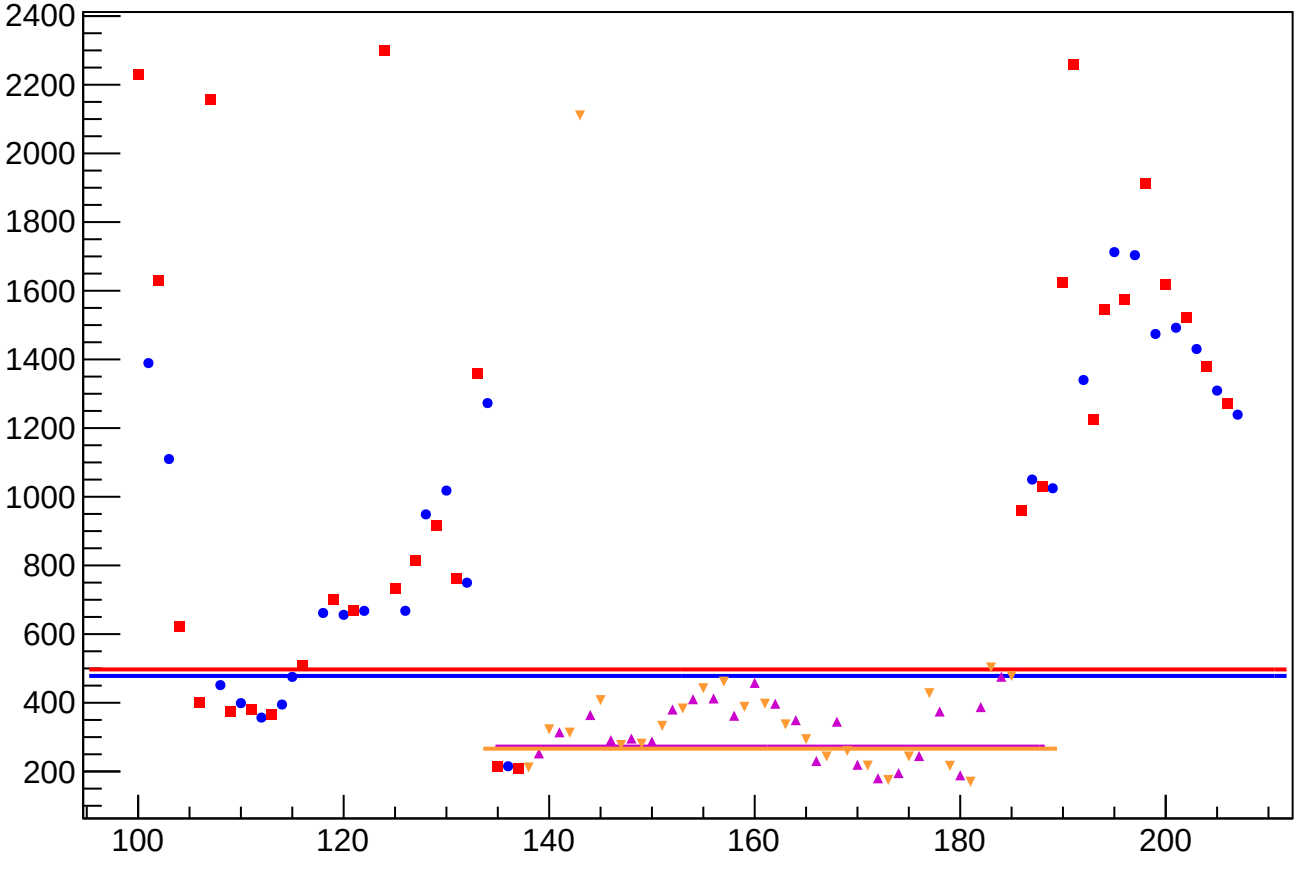
Right: -46.447+/-112.572 χ^2/NDF: 61.2/56

In: 32.794+/-61.761 χ^2/NDF:51.9/48

Out: -58.020+/-60.218 χ^2/NDF:76.3/55

All: -13.761+/-43.116 χ^2/NDF: 129.3/104

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 478.157+/-0.113 χ^2/NDF: 11561746.6/25

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

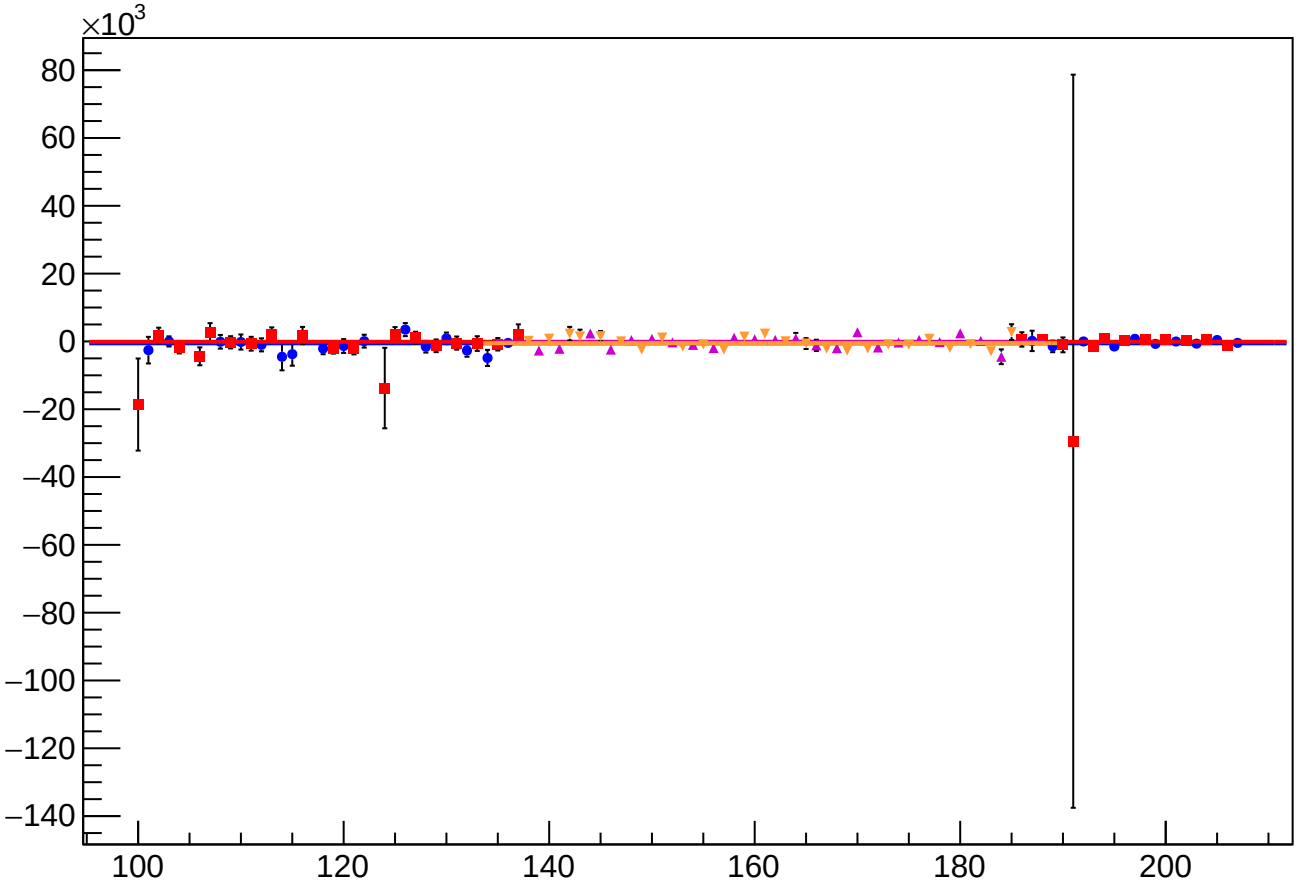
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 487.641+/-0.080 χ^2/NDF: 23856119.1/56

In: 303.297+/-0.044 χ^2/NDF:17285246.4/48

Out: 299.385+/-0.043 χ^2/NDF:20515826.8/55

All: 301.291+/-0.030 χ^2/NDF: 37805187.2/10



Right In: -557.779+/-331.748 χ^2/NDF: 16.2/25

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

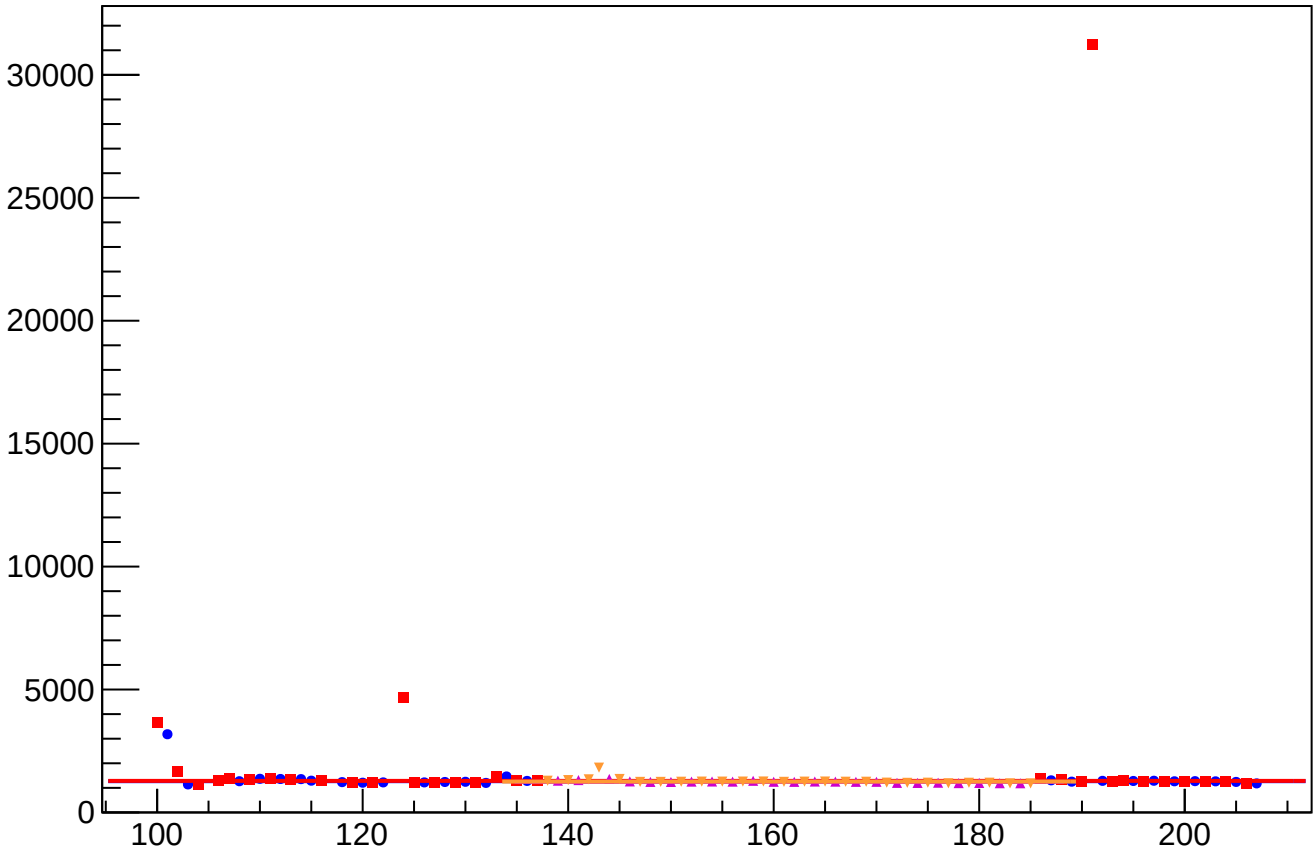
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -325.430+/-231.314 χ^2/NDF: 36.8/56

In: -379.778+/-218.835 χ^2/NDF:48.8/48

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -356.689+/-153.006 χ^2/NDF: 100.3/104



Right In: 1271.870+/-0.235 χ^2/NDF: 532253.9/25

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

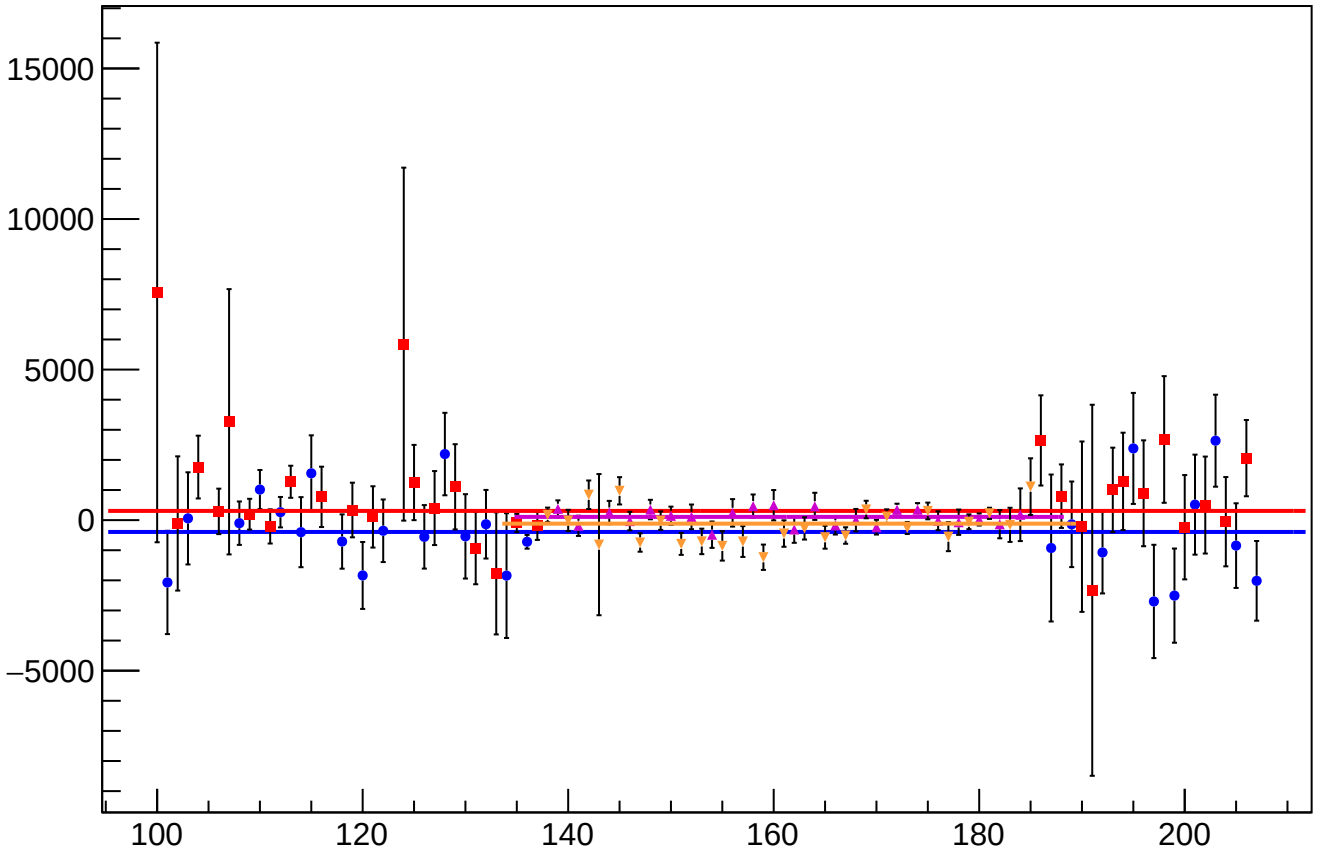
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.009+/-0.164 χ^2/NDF: 1040816.2/56

In: 1257.457+/-0.155 χ^2/NDF:578794.0/48

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1262.827+/-0.108 χ^2/NDF: 1300121.9/10



Right In: -392.667+/-159.327 χ^2/NDF: 29.7/25

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

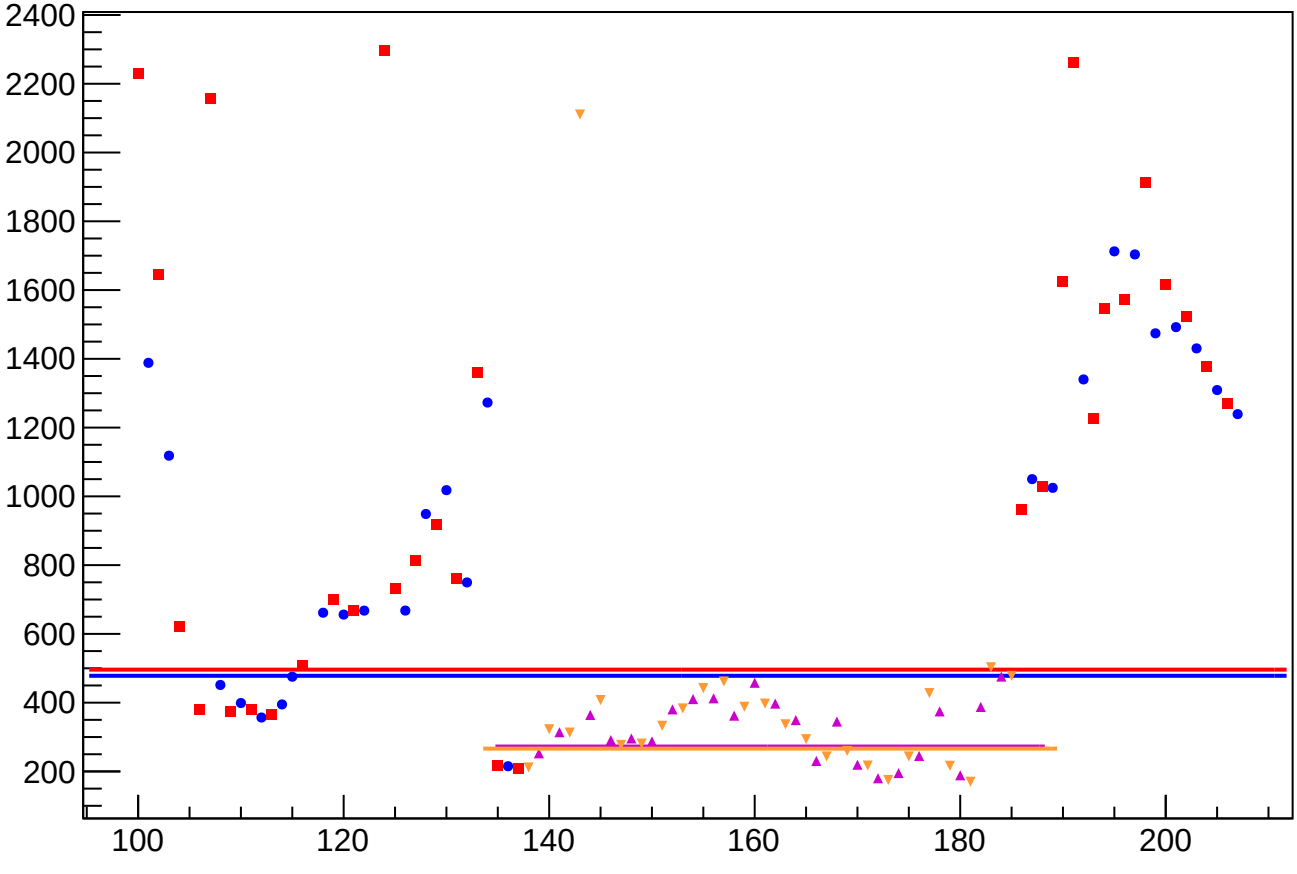
Right: -42.341+/-112.520 χ^2/NDF: 60.7/56

In: 32.303+/-61.763 χ^2/NDF:51.8/48

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -13.103+/-43.114 χ^2/NDF: 128.8/104

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 478.170+/-0.113 χ^2/NDF: 11564848.5/25

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

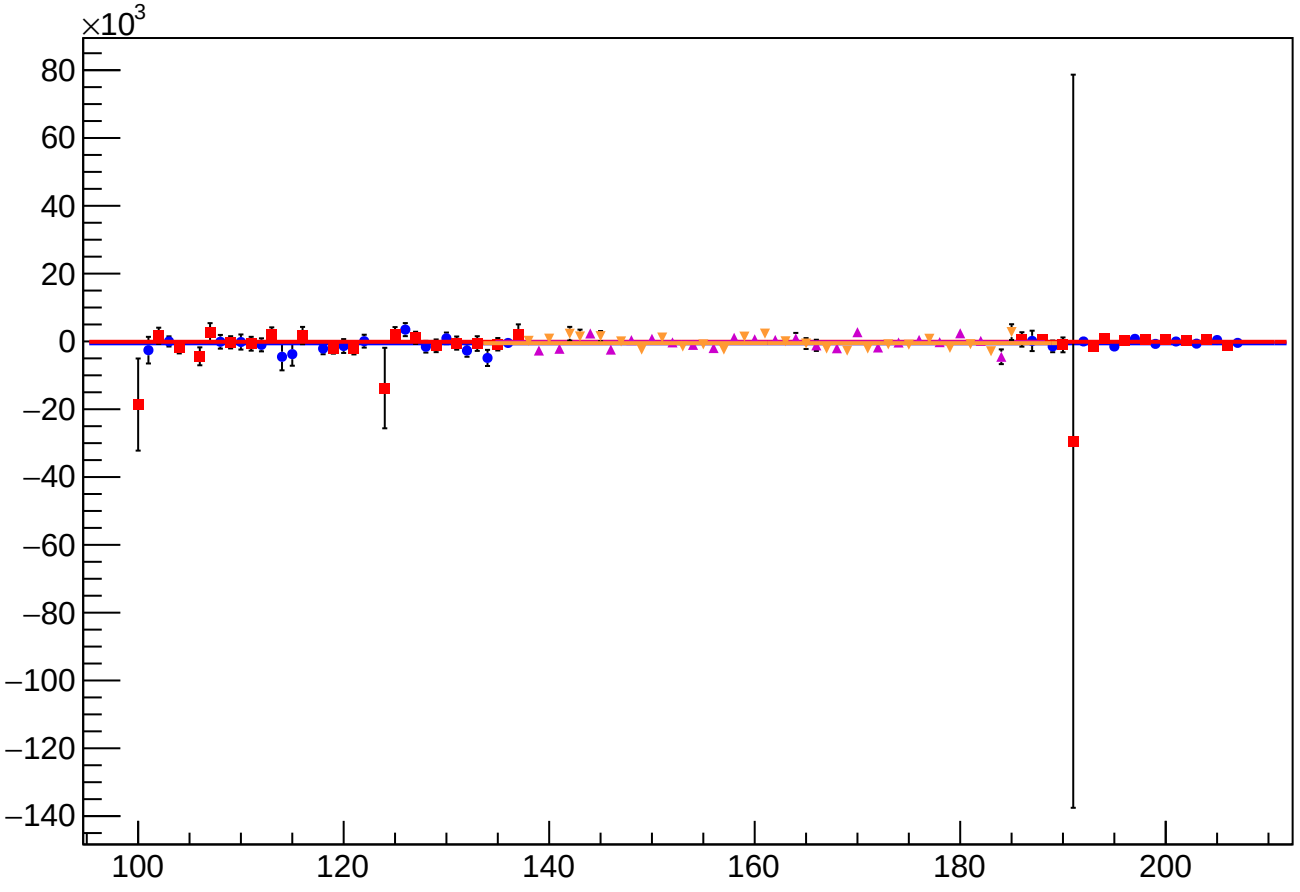
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 487.126+/-0.080 χ^2/NDF: 23880280.2/56

In: 303.303+/-0.044 χ^2/NDF:17287693.6/48

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 301.249+/-0.030 χ^2/NDF: 37803508.1/10



Right In: -557.779+/-331.748 χ^2/NDF: 16.2/25

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

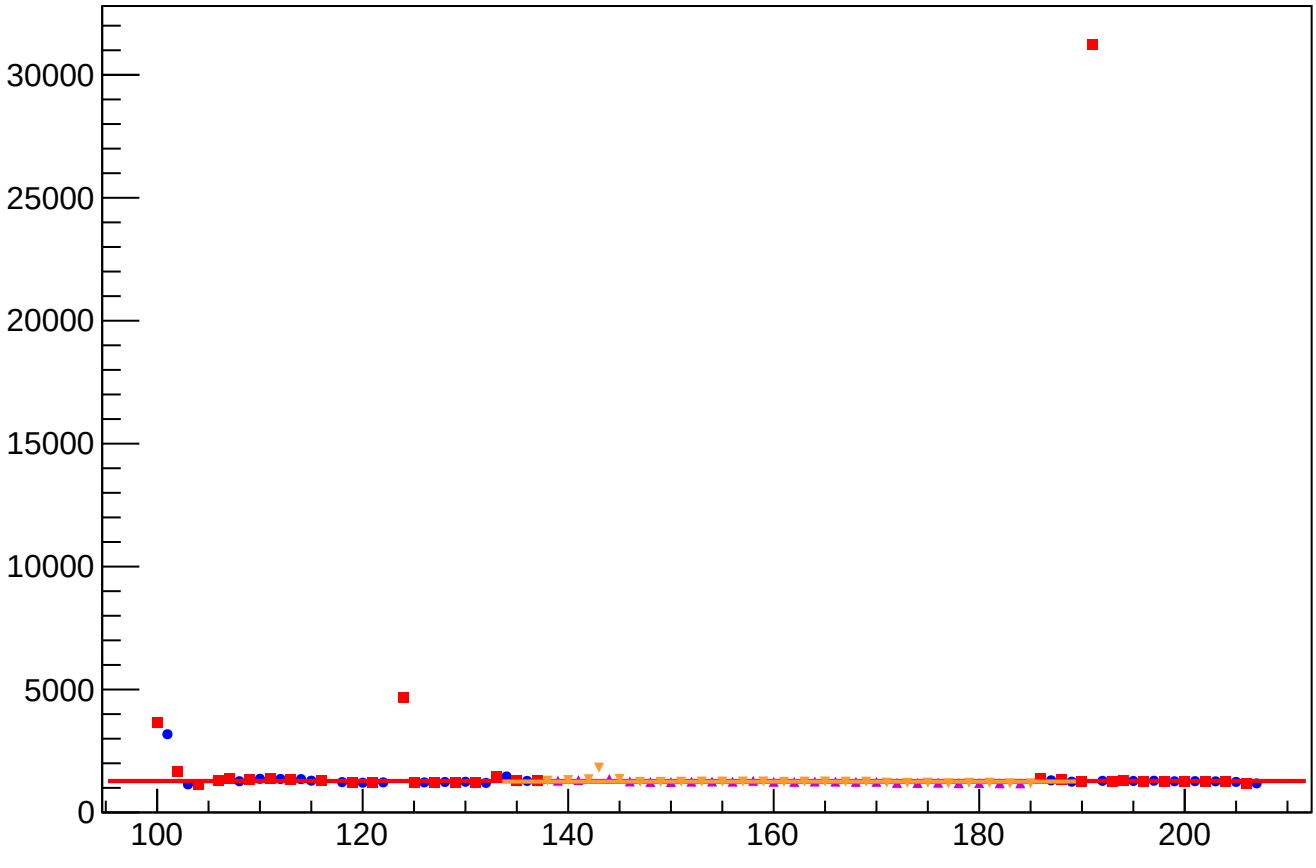
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -325.430+/-231.314 χ^2/NDF: 36.8/56

In: -379.778+/-218.835 χ^2/NDF:48.8/48

Out: -334.606+/-214.013 χ^2/NDF:51.5/55

All: -356.689+/-153.006 χ^2/NDF: 100.3/104



Right In: 1271.870+/-0.235 χ^2/NDF: 532253.9/25

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

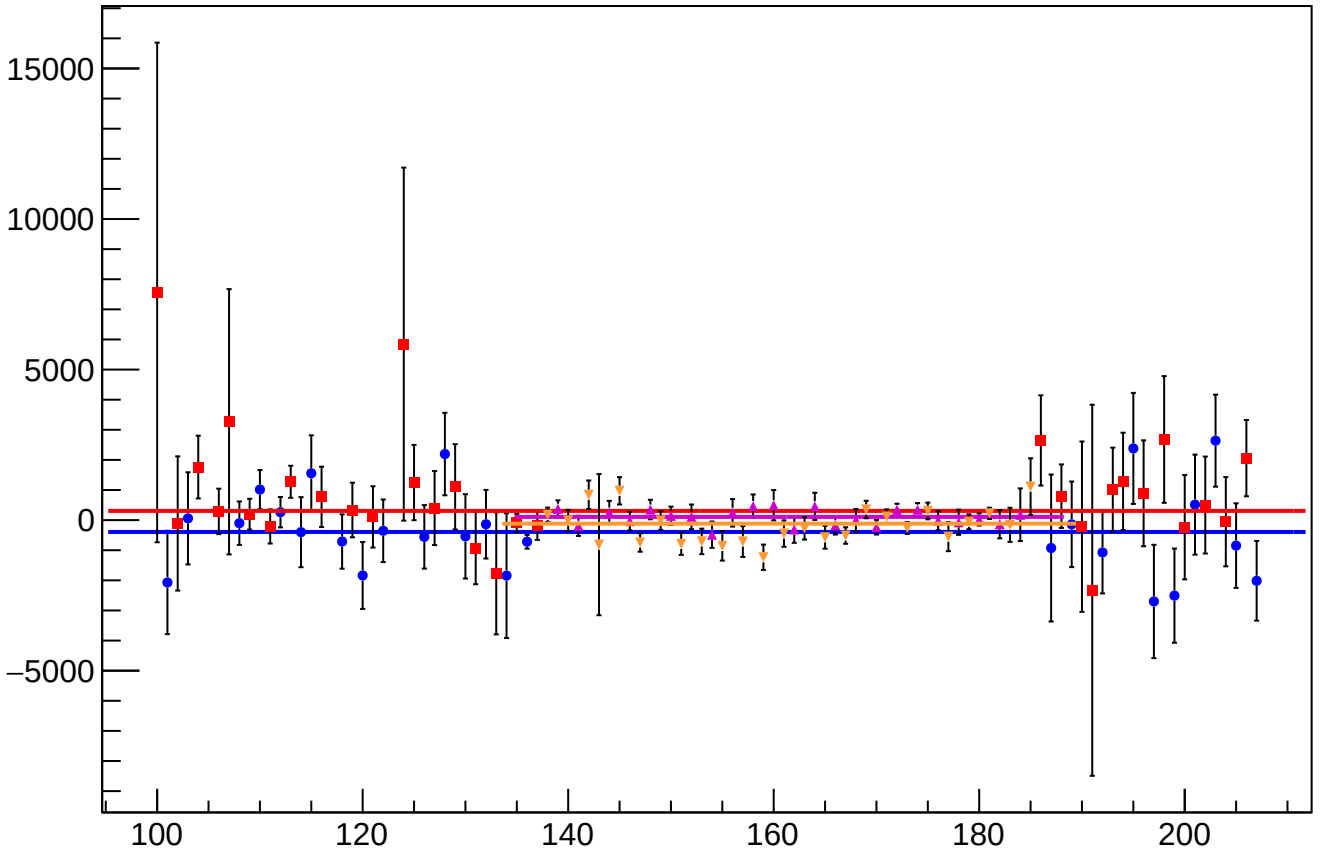
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1278.009+/-0.164 χ^2/NDF: 1040816.2/56

In: 1257.457+/-0.155 χ^2/NDF:578794.0/48

Out: 1267.963+/-0.151 χ^2/NDF:718971.9/55

All: 1262.827+/-0.108 χ^2/NDF: 1300121.9/10



Right In: -392.667+/-159.327 χ^2/NDF: 29.7/25

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

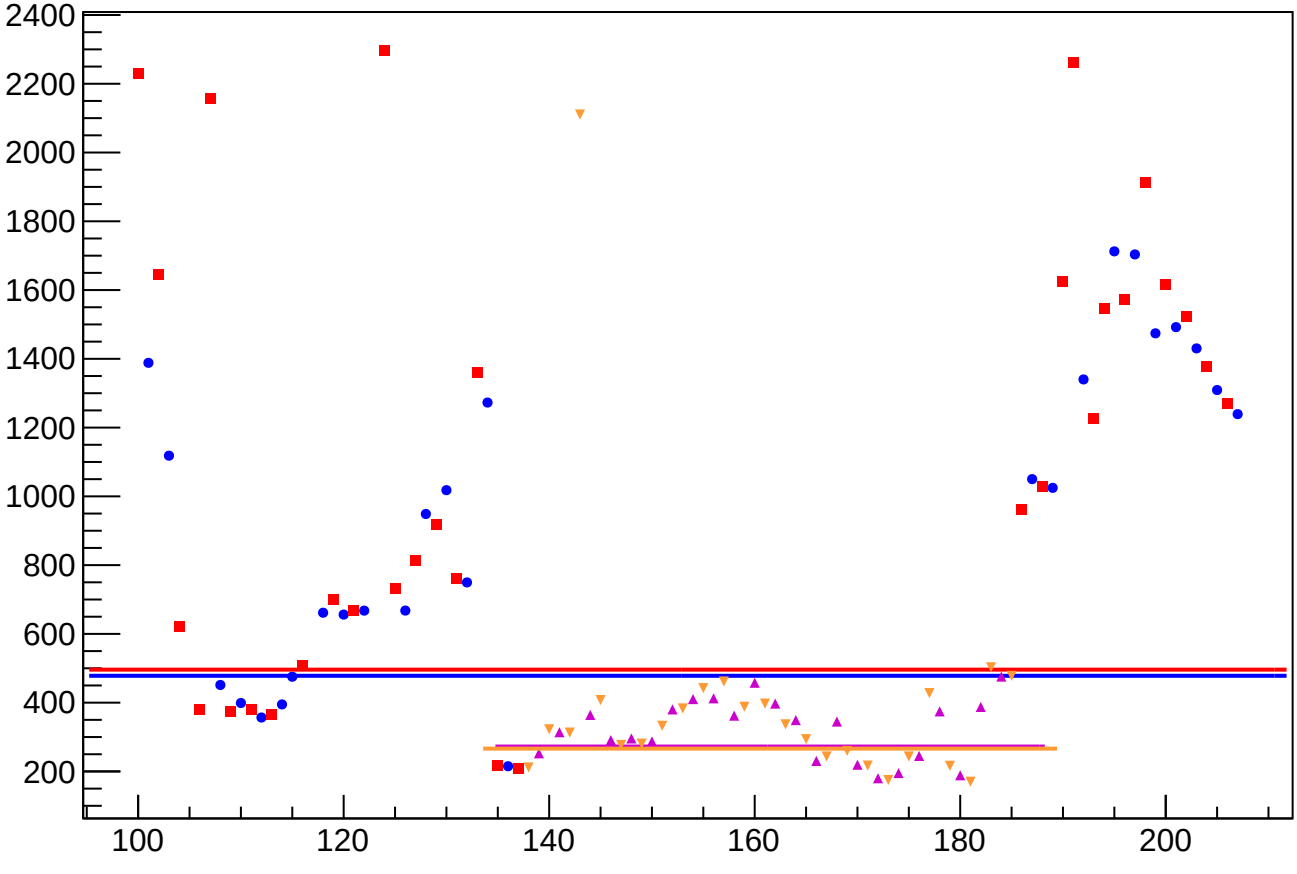
Right: -42.341+/-112.520 χ^2/NDF: 60.7/56

In: 32.303+/-61.763 χ^2/NDF:51.8/48

Out: -56.255+/-60.211 χ^2/NDF:75.9/55

All: -13.103+/-43.114 χ^2/NDF: 128.8/104

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 478.170+/-0.113 χ^2/NDF: 11564848.5/25

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

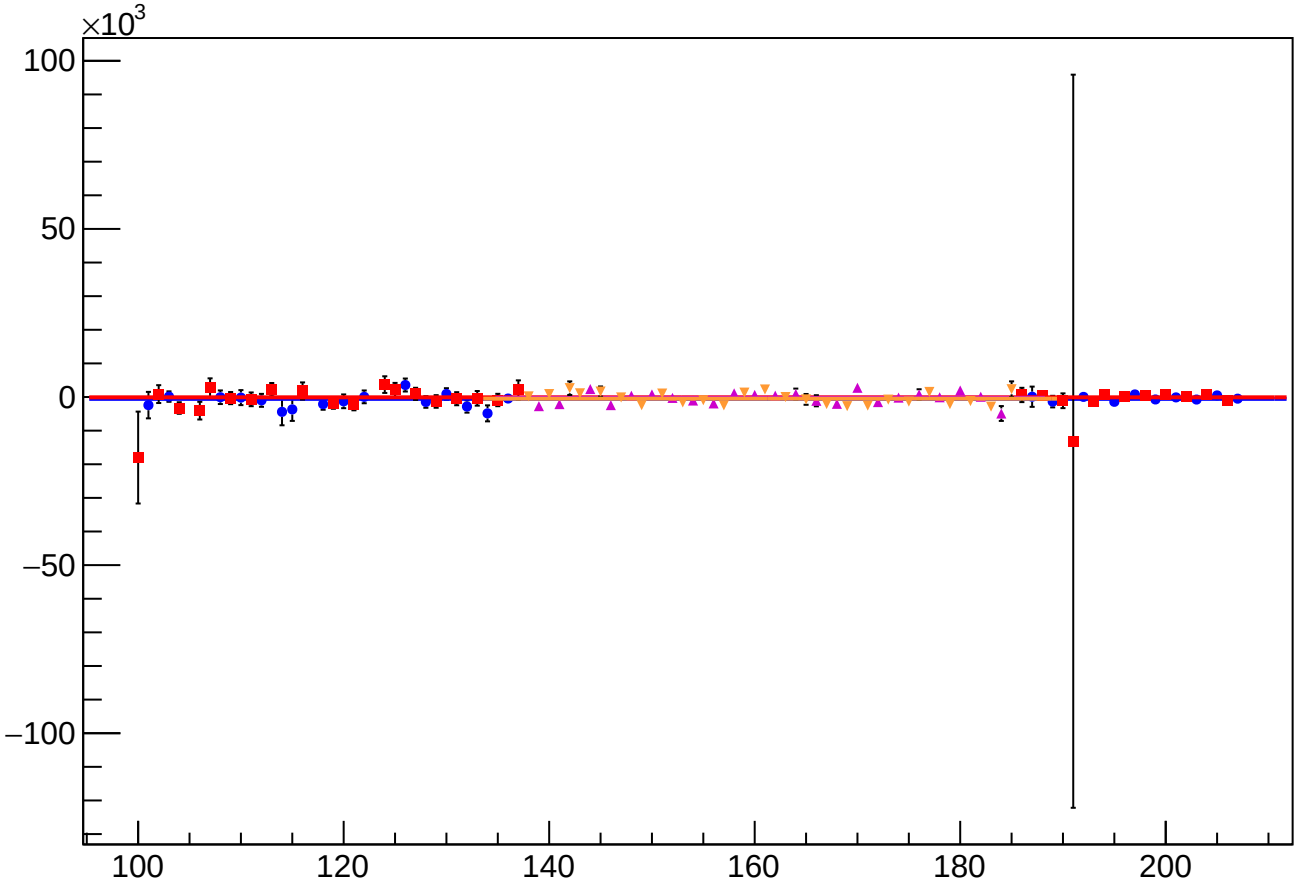
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 487.126+/-0.080 χ^2/NDF: 23880280.2/56

In: 303.303+/-0.044 χ^2/NDF:17287693.6/48

Out: 299.297+/-0.043 χ^2/NDF:20511499.5/55

All: 301.249+/-0.030 χ^2/NDF: 37803508.1/10



Right In: -545.336+/-332.798 χ^2/NDF: 16.3/25

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

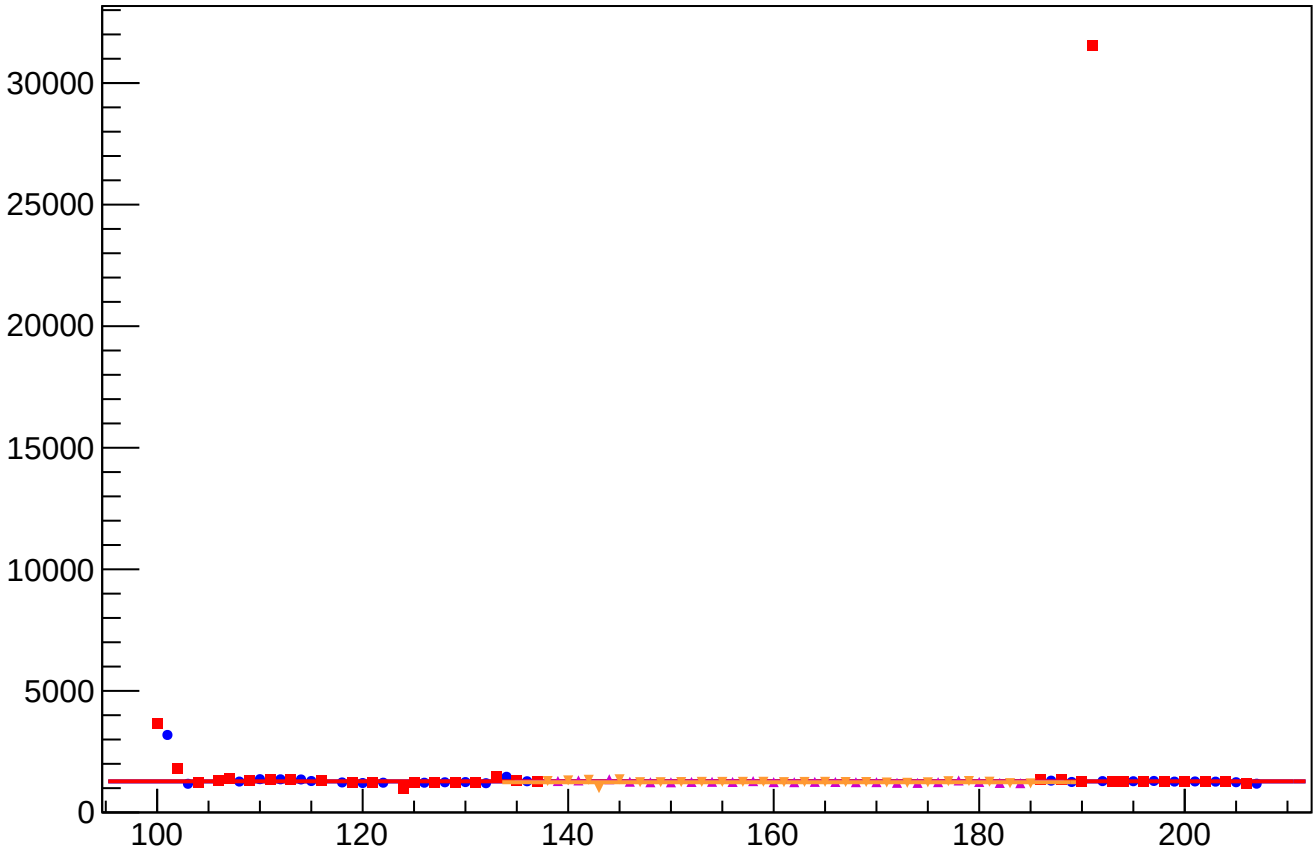
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -310.711+/-231.403 χ^2/NDF: 38.6/56

In: -375.138+/-220.479 χ^2/NDF:47.4/48

Out: -318.267+/-212.451 χ^2/NDF:56.4/55

All: -345.648+/-152.985 χ^2/NDF: 103.9/104



Right In: 1275.993+/-0.235 χ^2/NDF: 524957.3/25

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

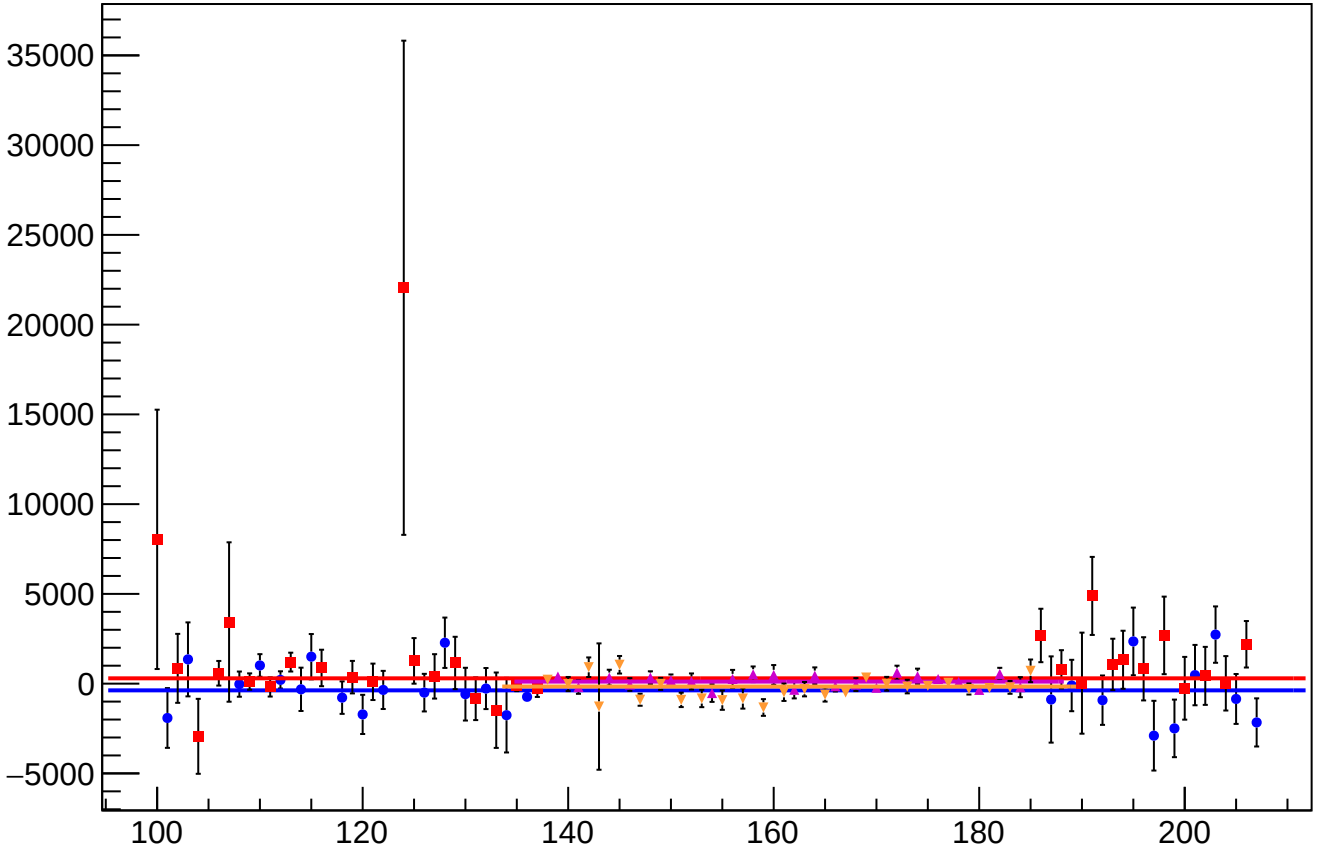
Right: 1278.598+/-0.164 χ^2/NDF: 912733.1/56

In: 1267.072+/-0.156 χ^2/NDF:555450.7/48

Out: 1259.300+/-0.150 χ^2/NDF:533704.5/55

All: 1263.042+/-0.108 χ^2/NDF: 1090444.0/10

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.043+/-161.013 χ^2/NDF: 30.3/25

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

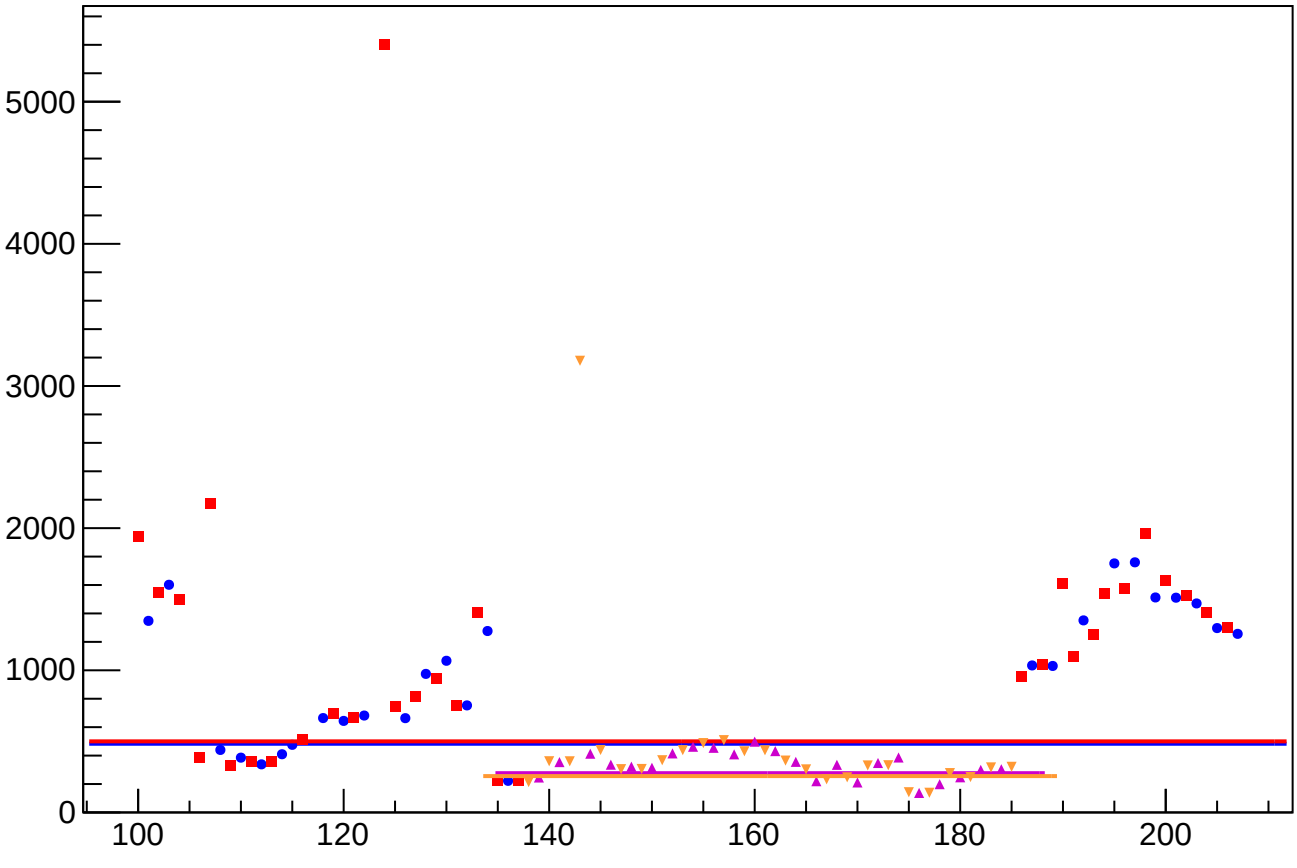
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -34.762+/-113.132 χ^2/NDF: 67.1/56

In: 38.340+/-63.298 χ^2/NDF:56.2/48

Out: -96.980+/-59.476 χ^2/NDF:78.9/55

All: -33.528+/-43.344 χ^2/NDF: 137.6/104



Right In: 483.376+/-0.114 χ^2/NDF: 11712250.4/25

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

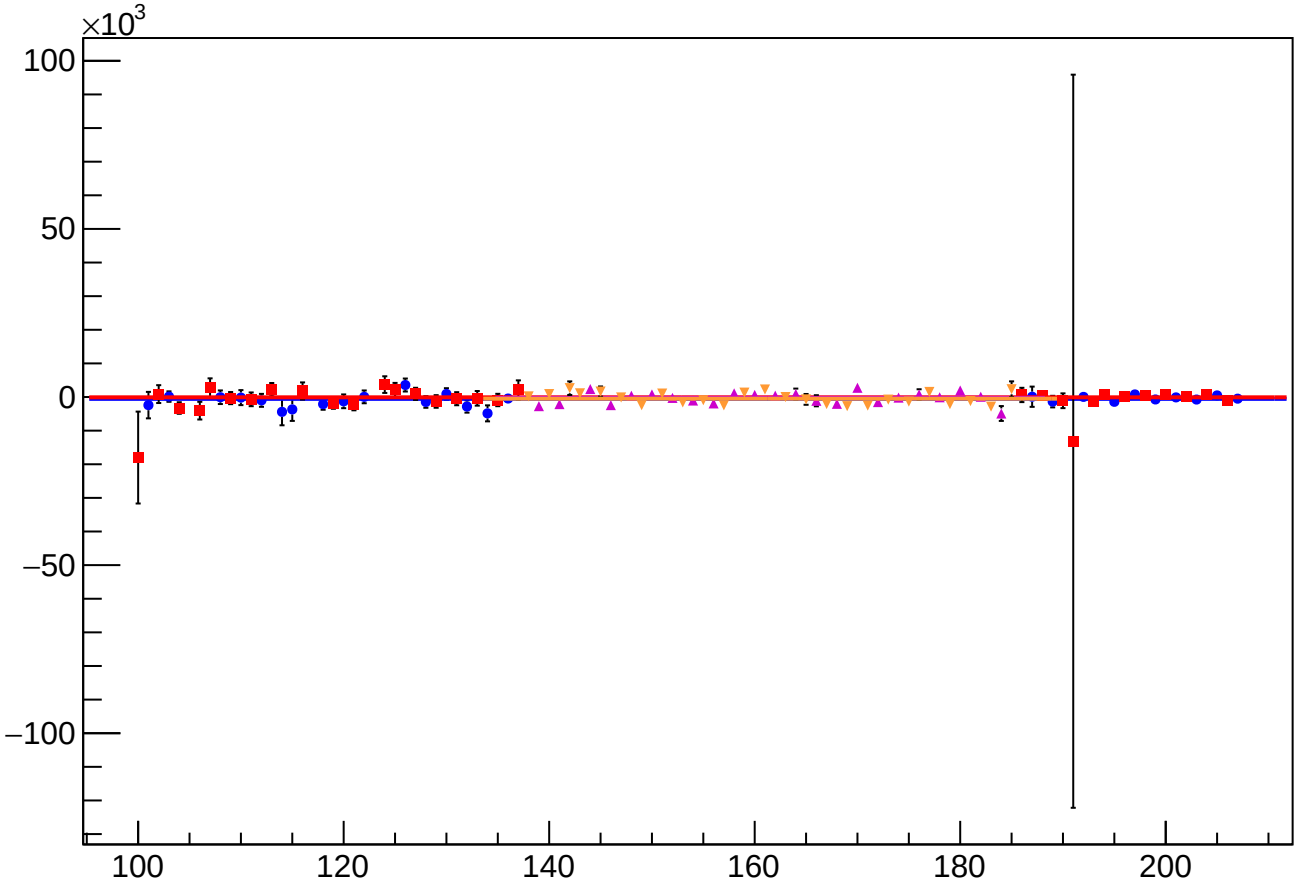
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 491.873+/-0.080 χ^2/NDF: 24554569.4/56

In: 308.301+/-0.045 χ^2/NDF:18536477.1/48

Out: 289.968+/-0.042 χ^2/NDF:23269459.5/55

All: 298.564+/-0.031 χ^2/NDF: 41895043.6/10



Right In: -545.336+/-332.798 χ^2/NDF: 16.3/25

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

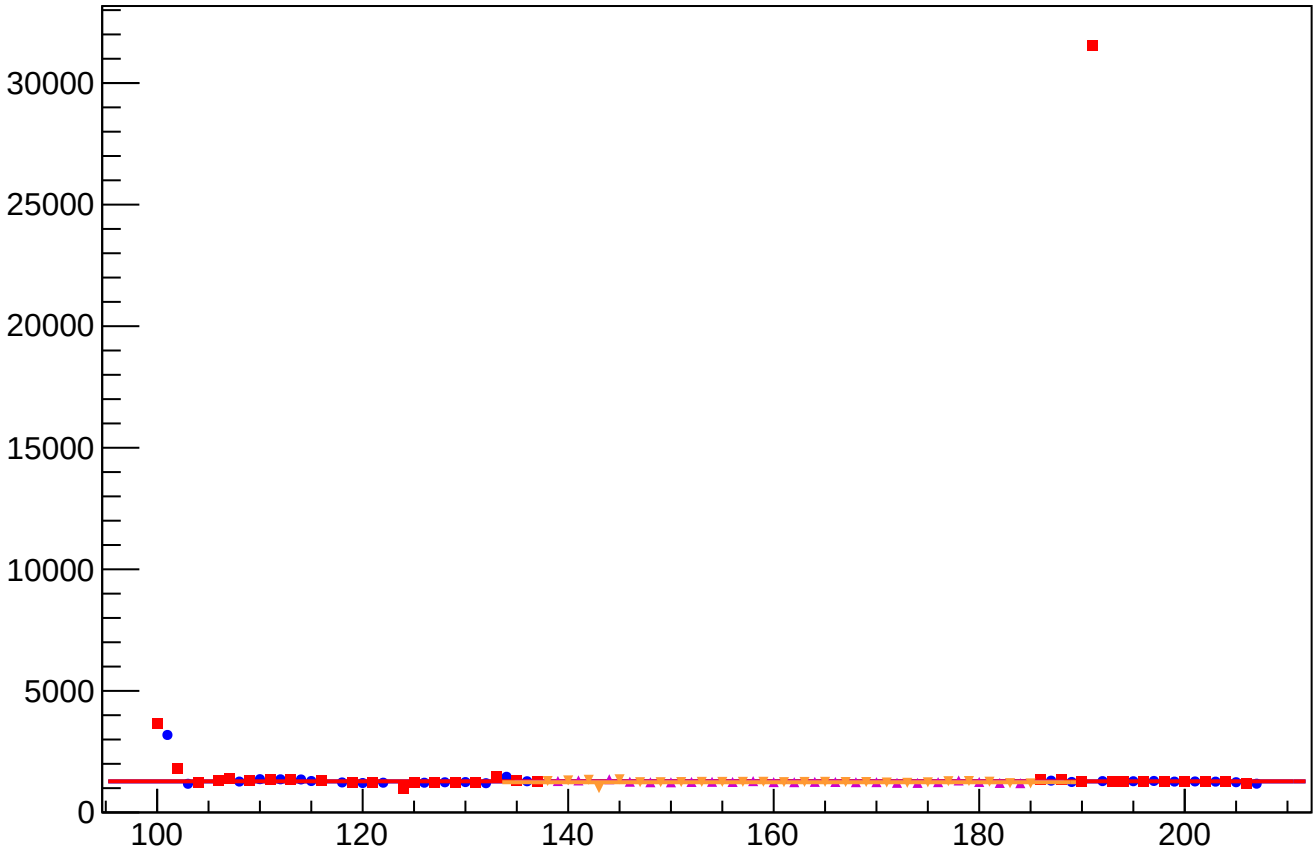
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -310.711+/-231.403 χ^2/NDF: 38.6/56

In: -375.138+/-220.479 χ^2/NDF:47.4/48

Out: -318.266+/-212.451 χ^2/NDF:56.4/55

All: -345.648+/-152.985 χ^2/NDF: 103.9/104



Right In: 1275.993+/-0.235 χ^2/NDF: 524957.3/25

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

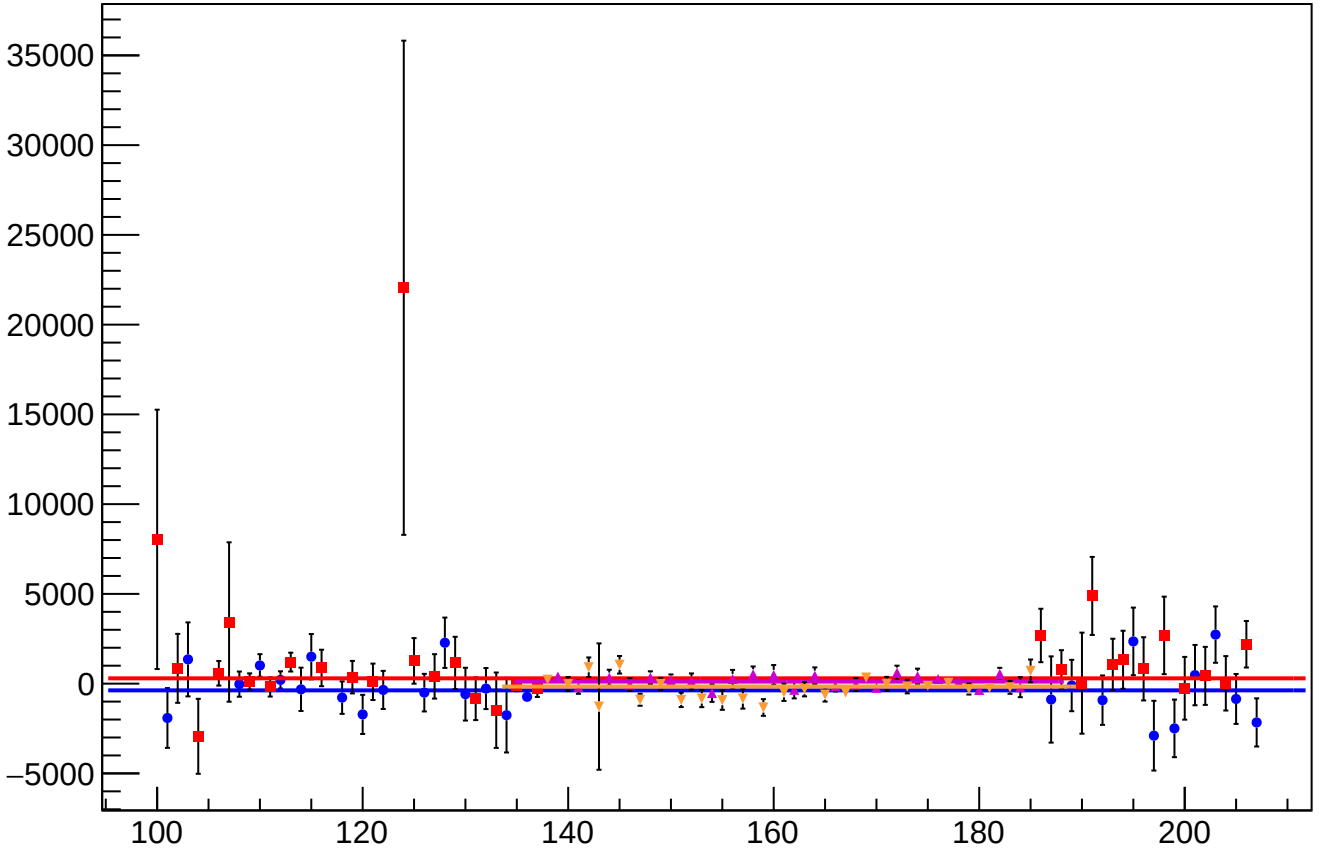
Right: 1278.598+/-0.164 χ^2/NDF: 912733.4/56

In: 1267.072+/-0.156 χ^2/NDF:555450.7/48

Out: 1259.300+/-0.150 χ^2/NDF:533703.9/55

All: 1263.042+/-0.108 χ^2/NDF: 1090443.4/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -374.044+/-161.016 χ^2/NDF: 30.3/25

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

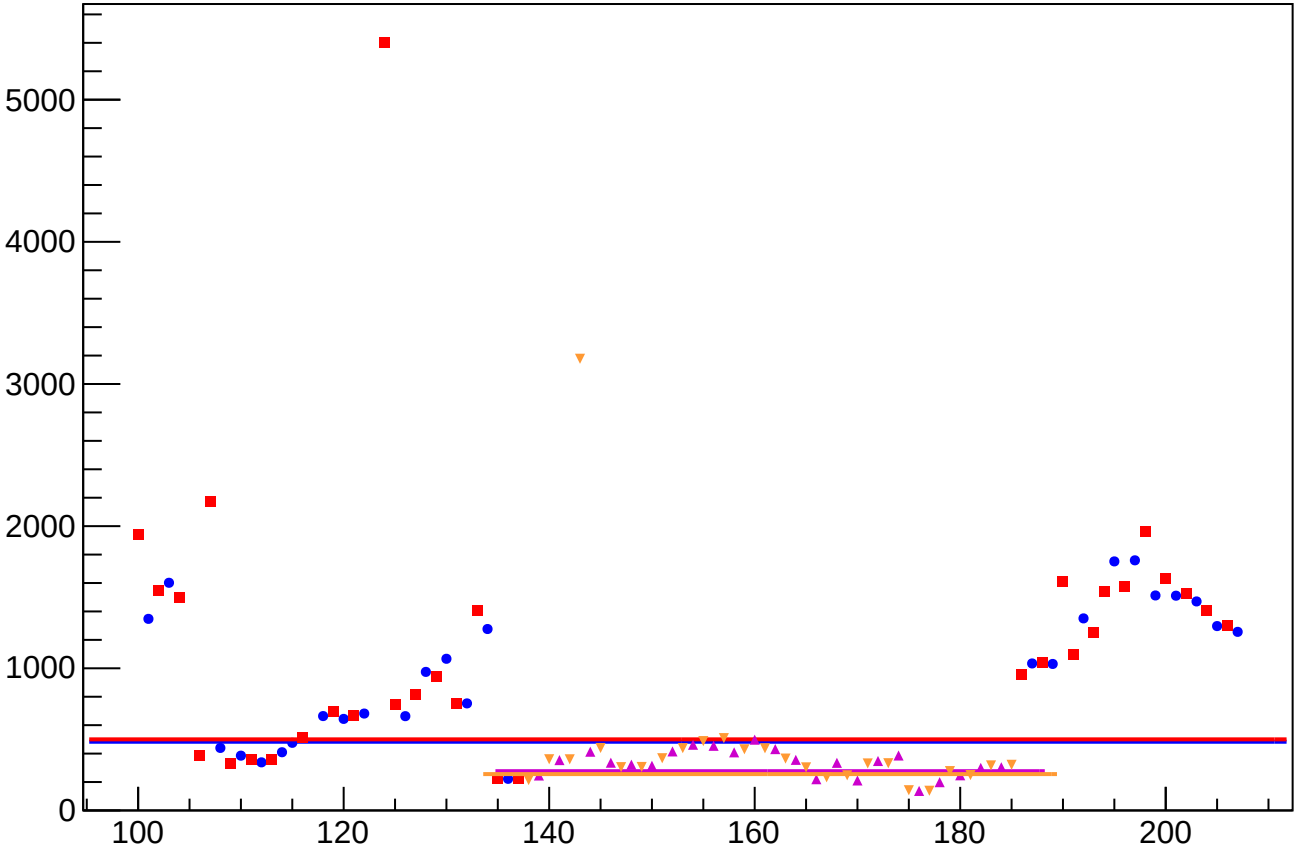
Right: -34.757+/-113.134 χ^2/NDF: 67.1/56

In: 38.340+/-63.298 χ^2/NDF:56.2/48

Out: -96.982+/-59.477 χ^2/NDF:78.9/55

All: -33.529+/-43.344 χ^2/NDF: 137.6/104

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 483.388+/-0.114 χ^2/NDF: 11711900.0/25

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

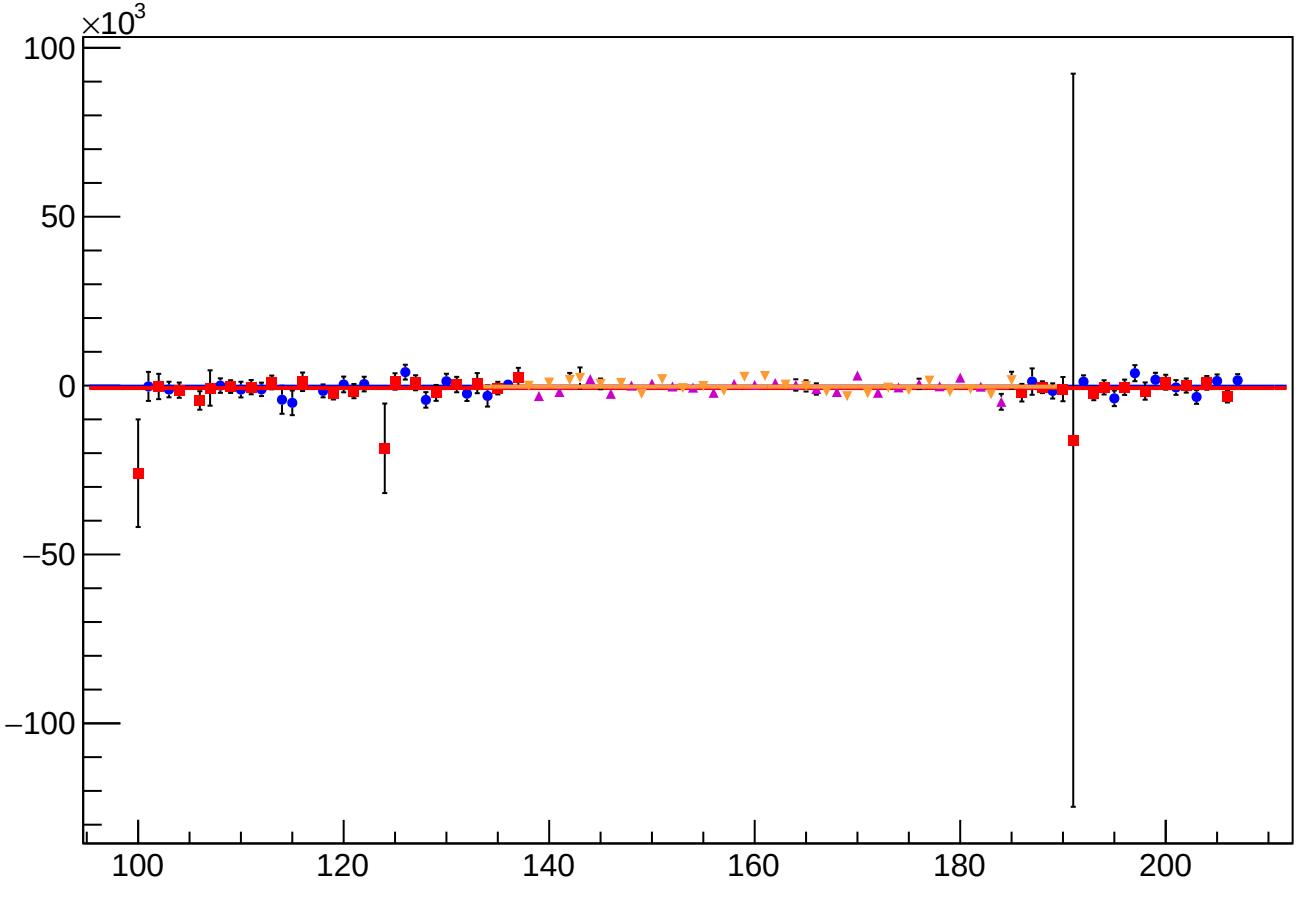
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 491.884+/-0.080 χ^2/NDF: 24553929.3/56

In: 308.303+/-0.045 χ^2/NDF:18536328.5/48

Out: 289.970+/-0.042 χ^2/NDF:23269263.7/55

All: 298.566+/-0.031 χ^2/NDF: 41894694.0/10



Right In: -314.086+/-434.574 χ^2/NDF: 24.0/25

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

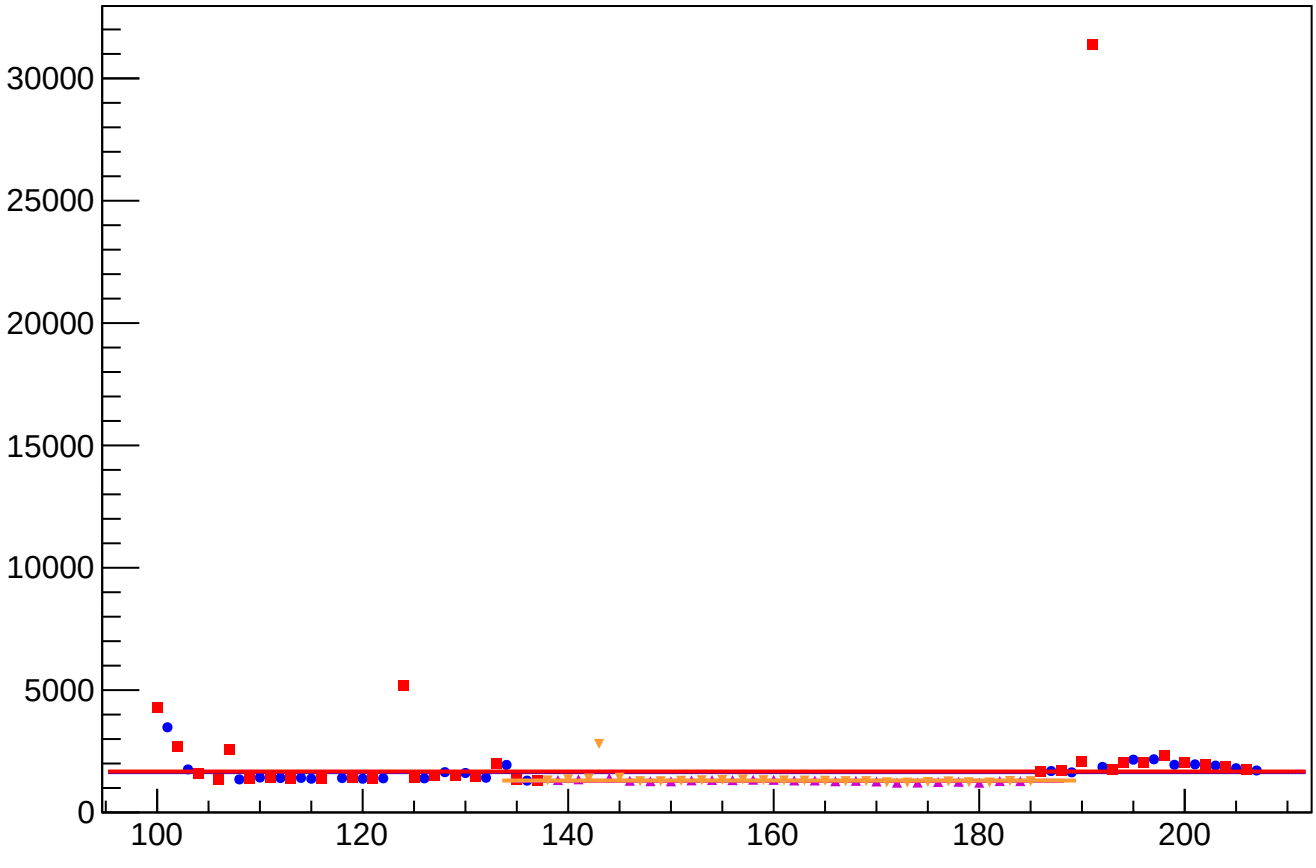
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -526.593+/-304.436 χ^2/NDF: 40.4/56

In: -342.617+/-247.943 χ^2/NDF:53.6/48

Out: -454.898+/-244.449 χ^2/NDF:48.1/55

All: -399.554+/-174.074 χ^2/NDF: 101.9/104



Right In: 1648.193+/-0.307 χ^2/NDF: 1104688.5/25

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

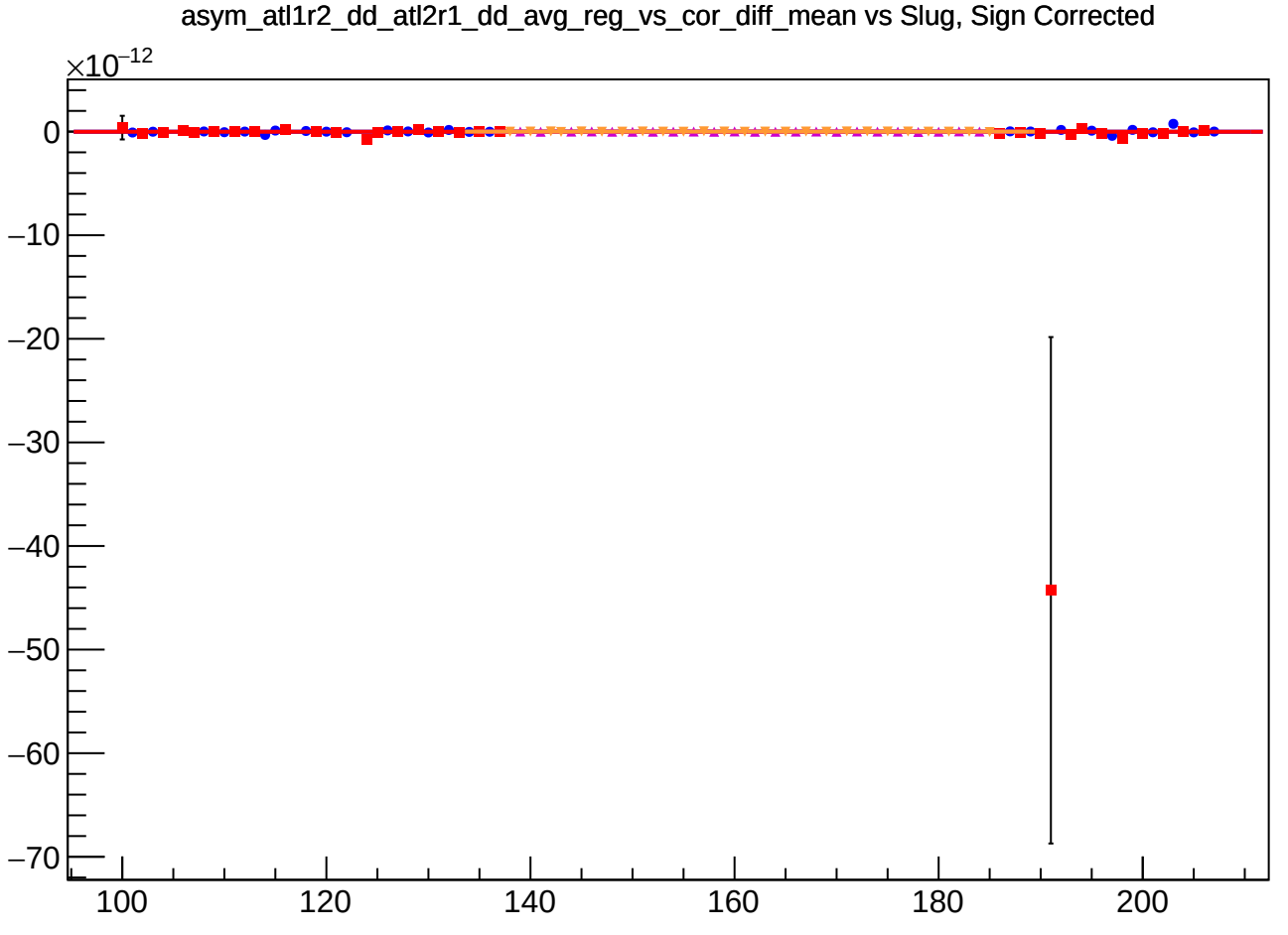
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1660.616+/-0.215 χ^2/NDF: 2482125.9/56

In: 1408.031+/-0.175 χ^2/NDF:2058648.4/48

Out: 1425.124+/-0.173 χ^2/NDF:2895765.2/55

All: 1416.699+/-0.123 χ^2/NDF: 4959234.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/25

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

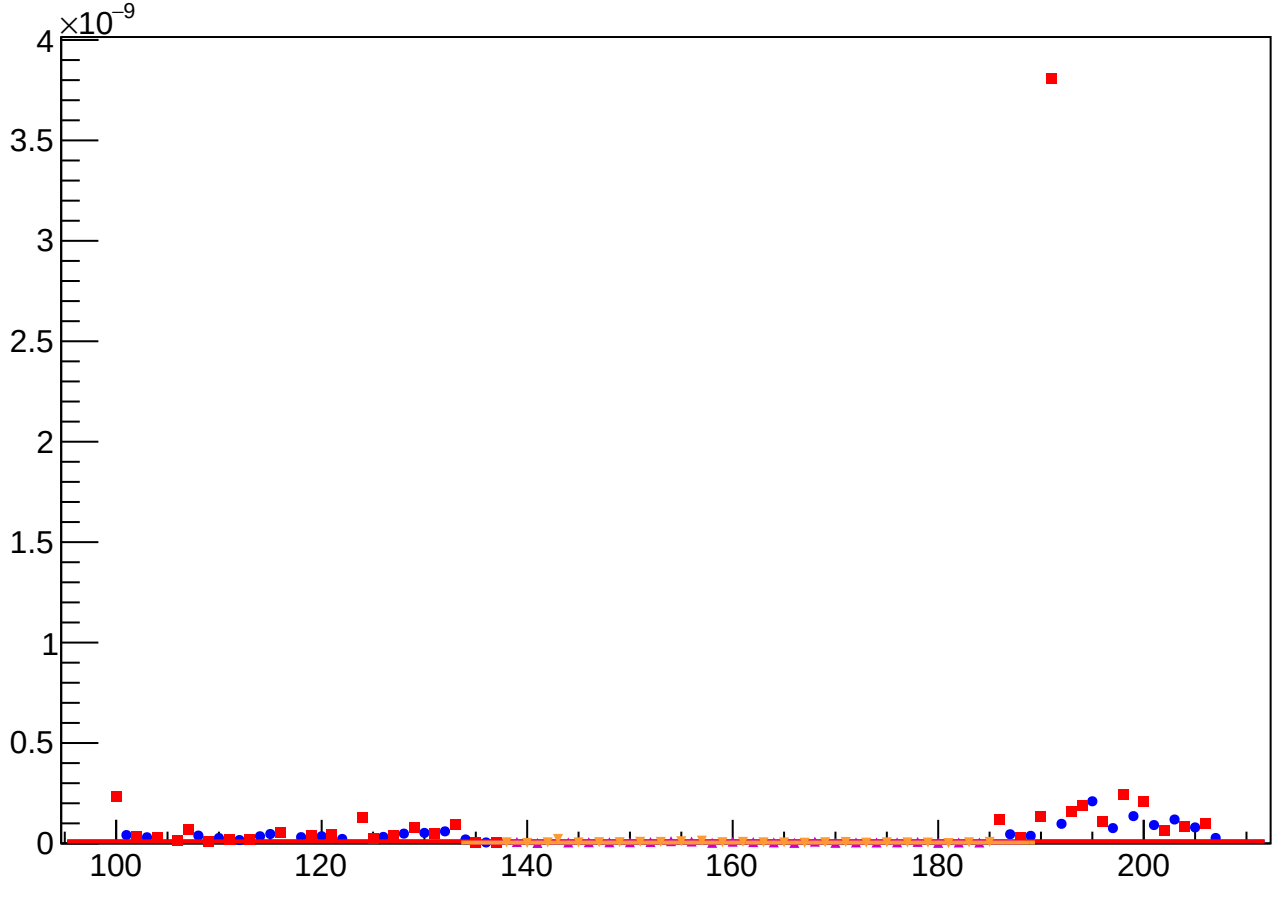
Right: -0.000+/-0.000 χ^2/NDF: 65.6/56

In: -0.000+/-0.000 χ^2/NDF:59.8/48

Out: -0.000+/-0.000 χ^2/NDF:64.4/55

All: -0.000+/-0.000 χ^2/NDF: 124.5/104

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6829435.1/25

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

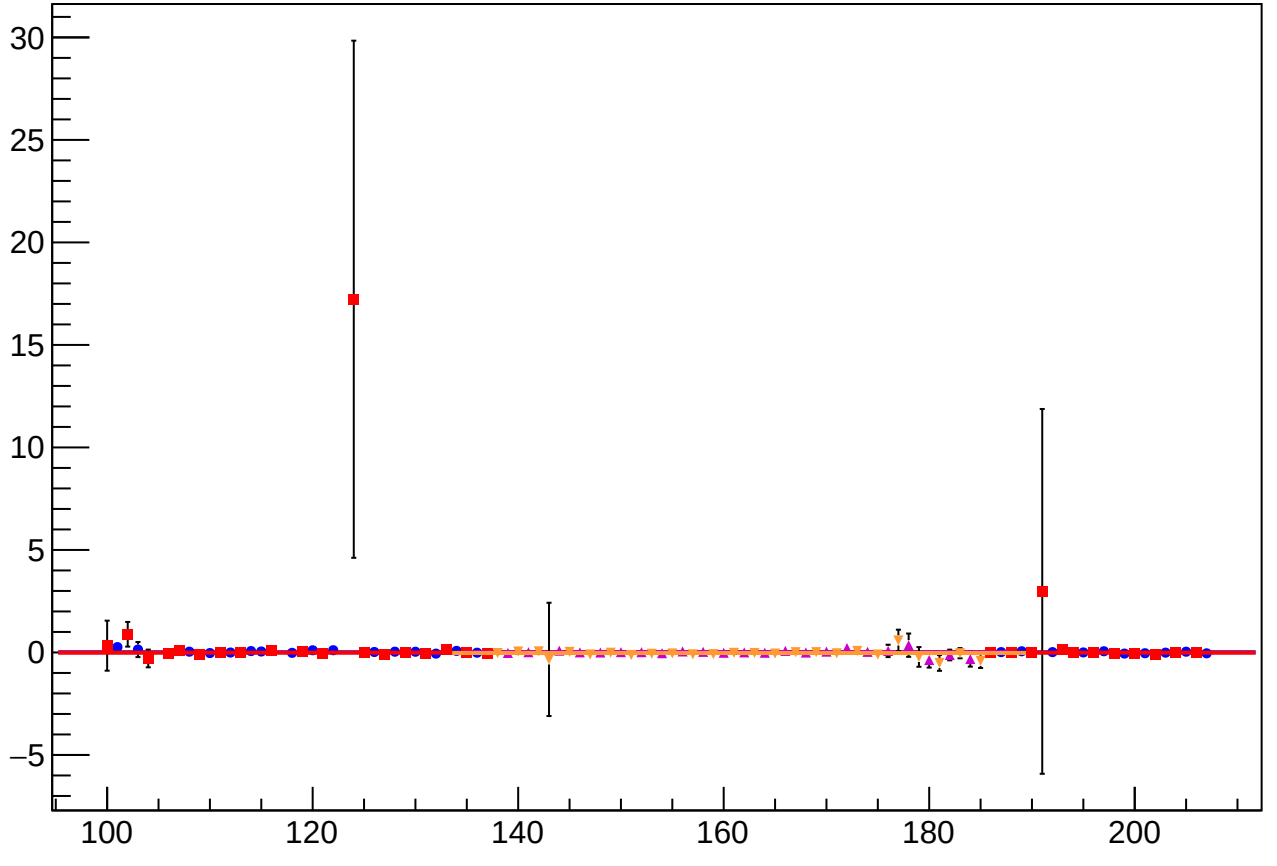
Right: 0.000+/-0.000 χ^2/NDF: 16121498.1/56

In: 0.000+/-0.000 χ^2/NDF:9549407.0/48

Out: 0.000+/-0.000 χ^2/NDF:13036538.2/55

All: 0.000+/-0.000 χ^2/NDF: 22613319.4/104

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.012 χ^2/NDF: 15.7/25

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

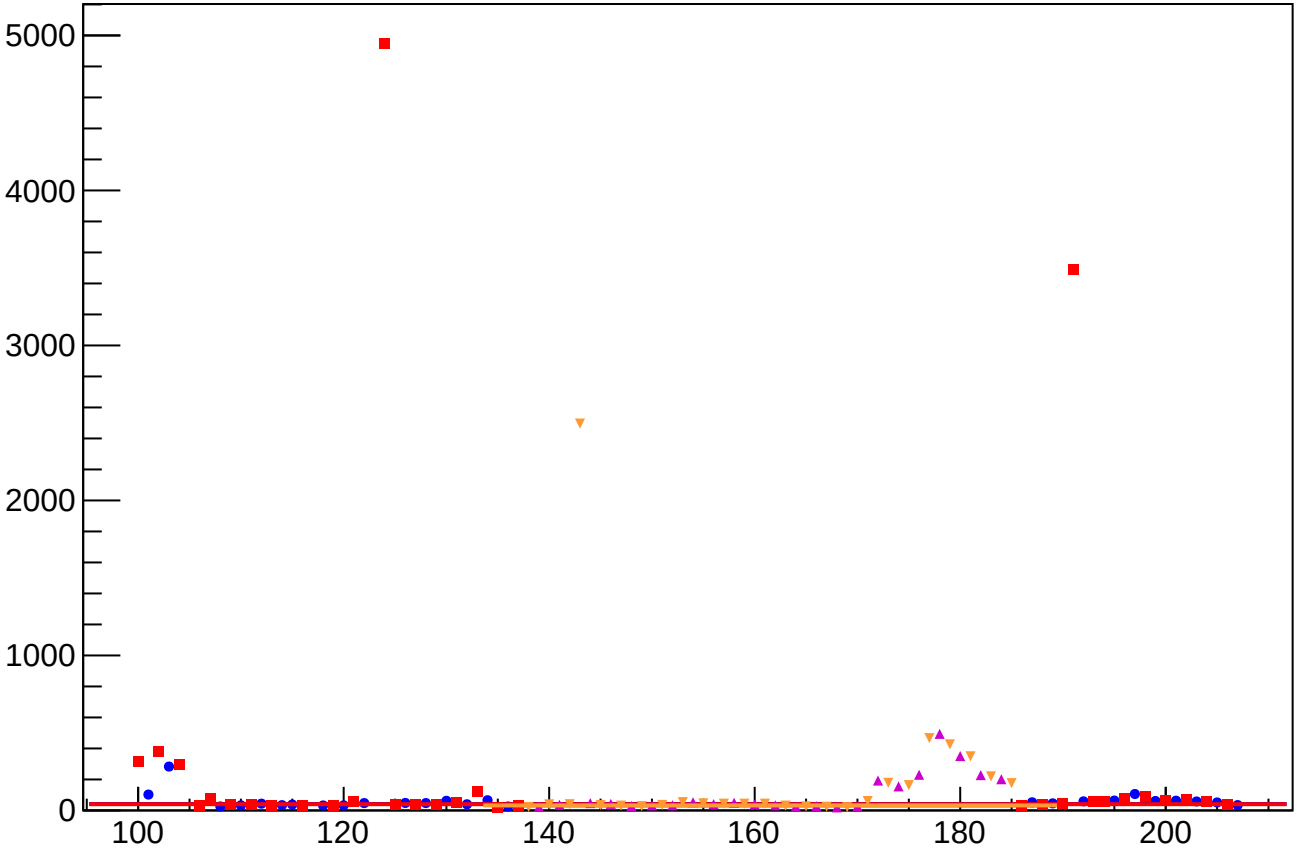
Right: -0.001+/-0.009 χ^2/NDF: 39.3/56

In: 0.010+/-0.008 χ^2/NDF:28.9/48

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.4/104

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.642+/-0.009 χ^2/NDF: 4071459.2/25

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

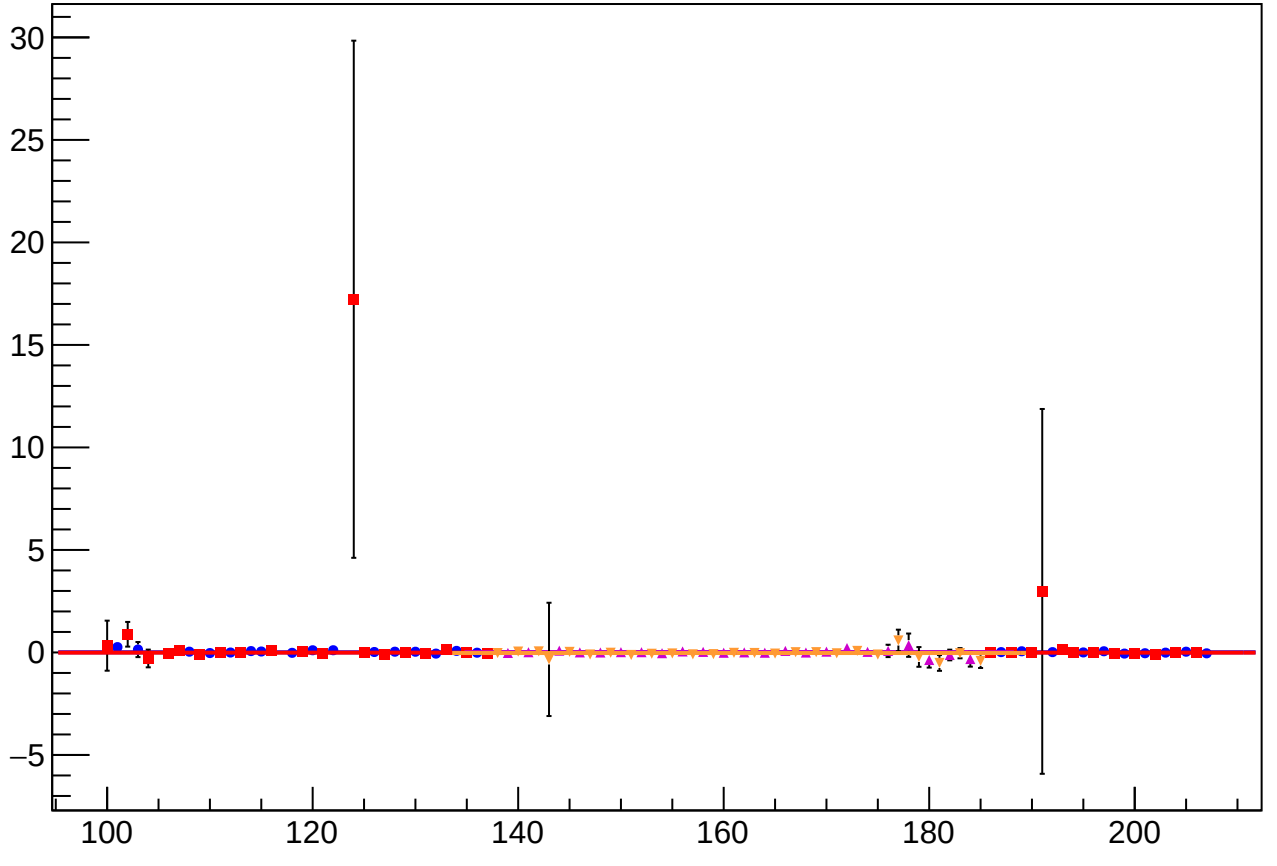
Right: 40.974+/-0.006 χ^2/NDF: 9498943.1/56

In: 36.036+/-0.005 χ^2/NDF:13685550.6/48

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.830+/-0.004 χ^2/NDF: 30508267.5/104

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.012 χ^2/NDF: 15.7/25

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

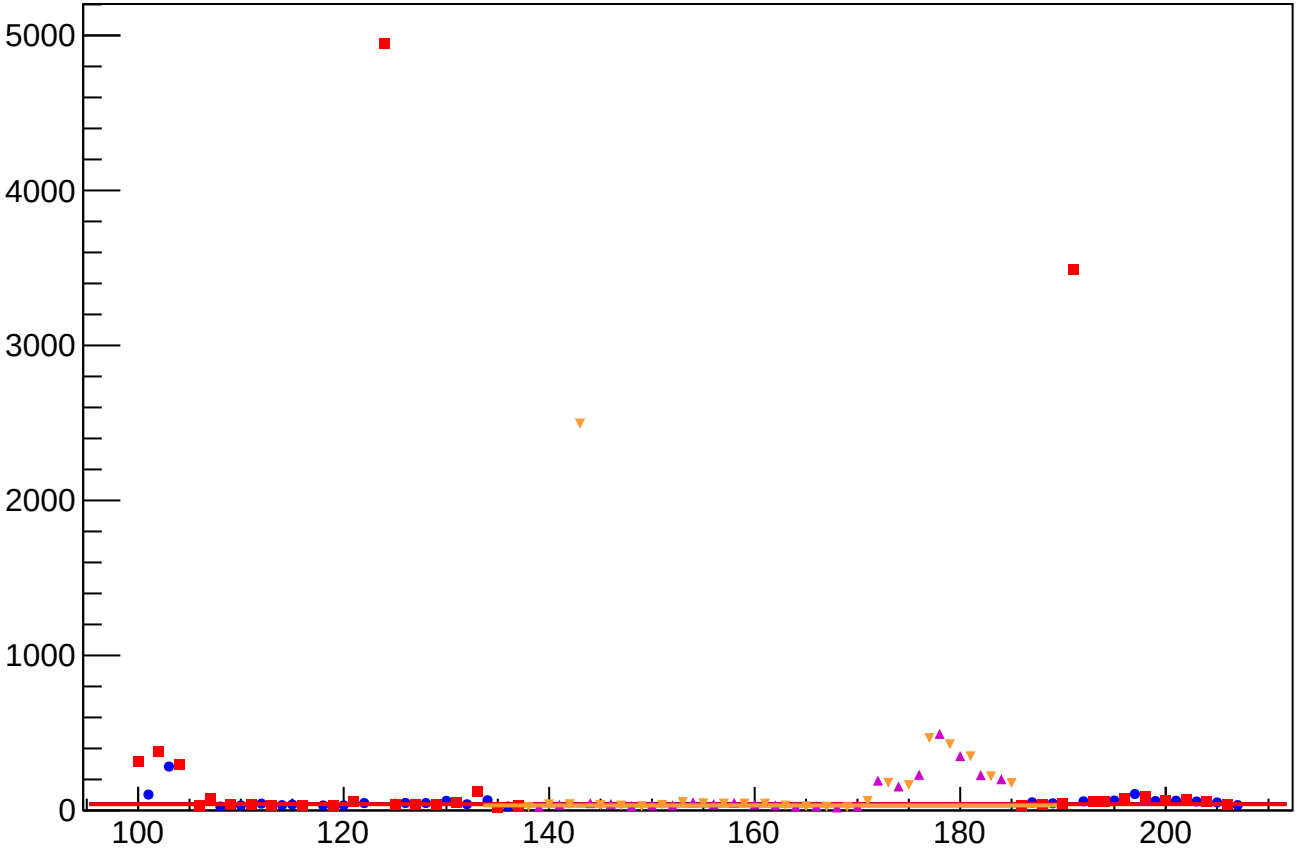
Right: -0.001+/-0.009 χ^2/NDF: 39.3/56

In: 0.010+/-0.008 χ^2/NDF:28.9/48

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.4/104

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.642+/-0.009 χ^2/NDF: 4071459.2/25

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

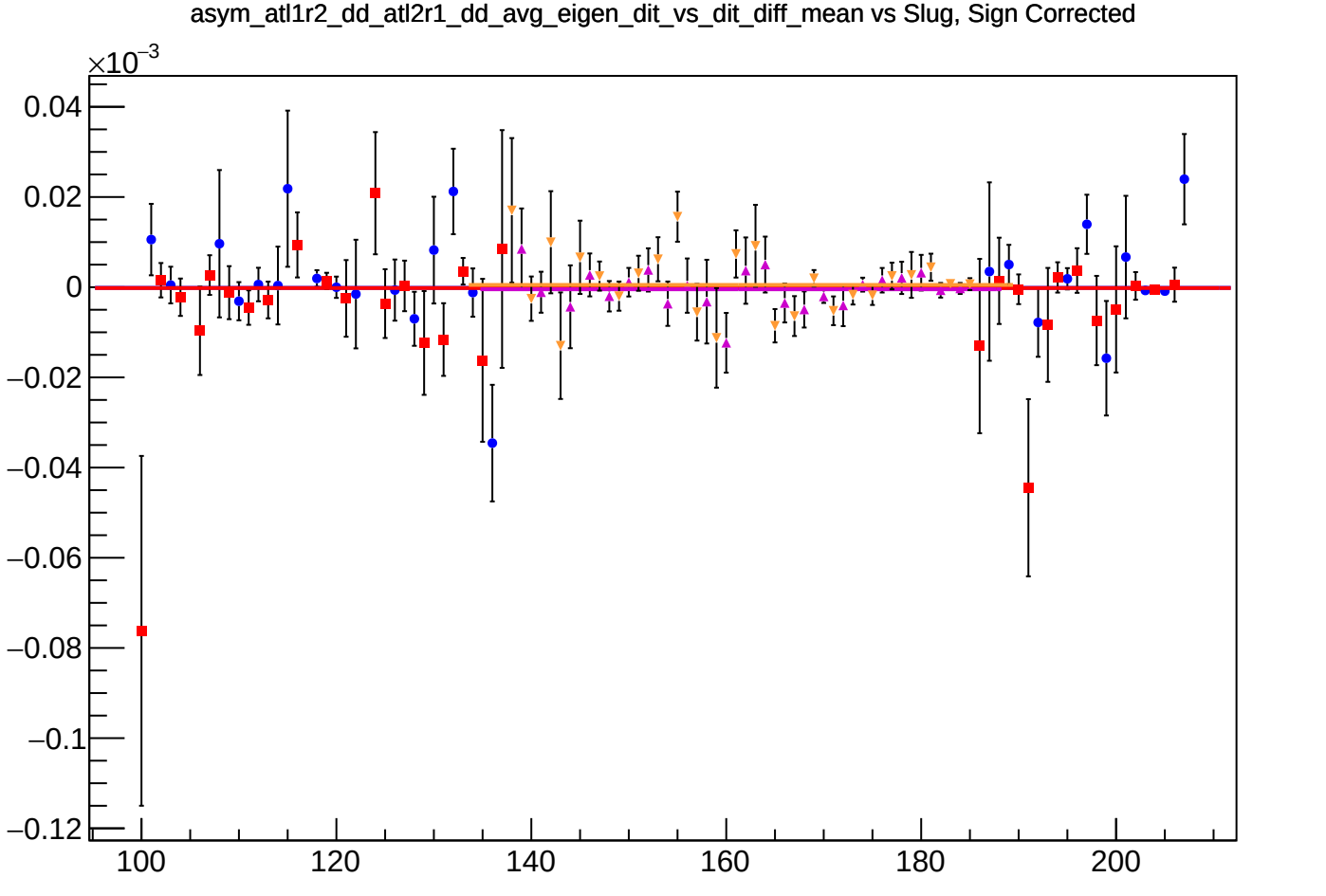
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 40.974+/-0.006 χ^2/NDF: 9498943.1/56

In: 36.036+/-0.005 χ^2/NDF:13685550.6/48

Out: 35.631+/-0.005 χ^2/NDF:16819770.3/55

All: 35.830+/-0.004 χ^2/NDF: 30508267.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 36.1/25

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

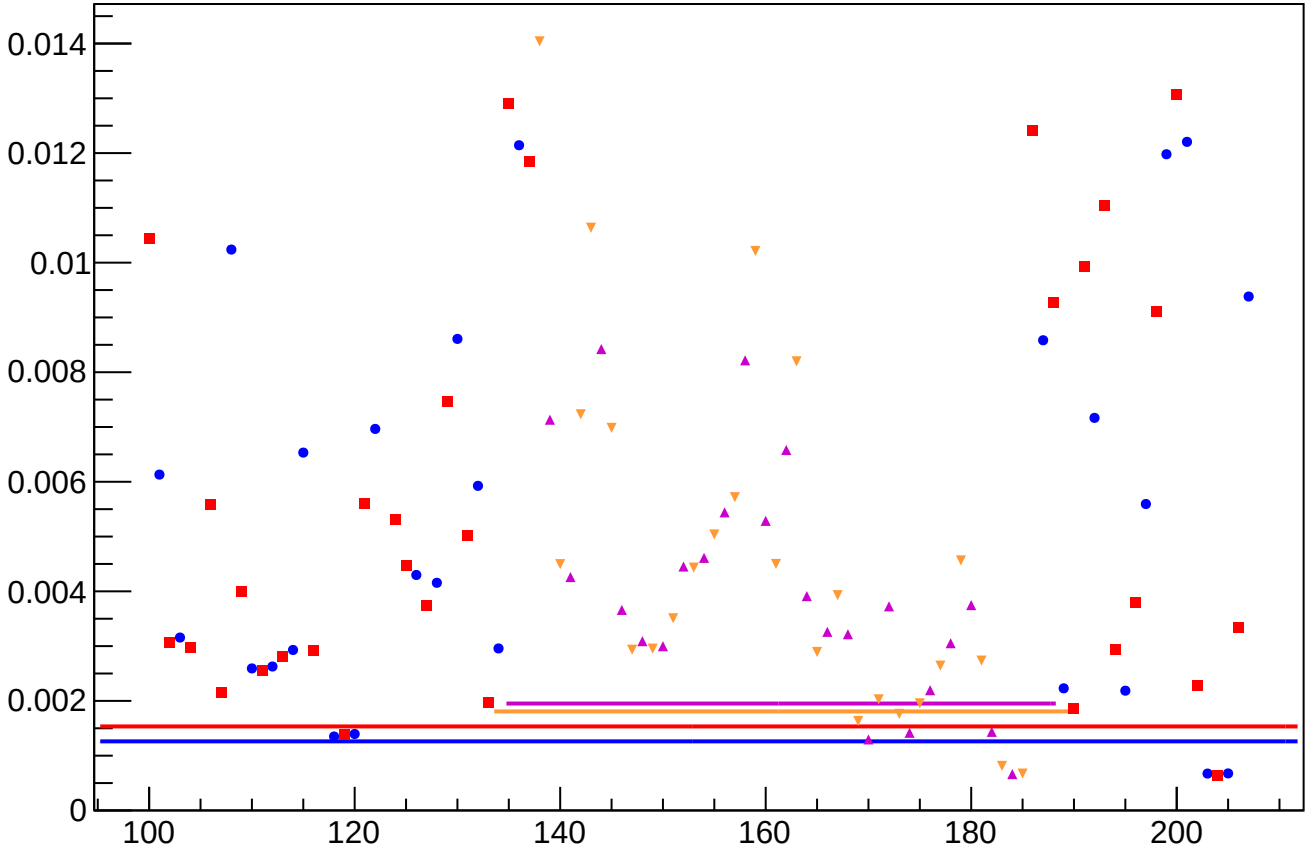
Right: -0.000+/-0.000 χ^2/NDF: 62.3/56

In: -0.000+/-0.000 χ^2/NDF:50.0/48

Out: 0.000+/-0.000 χ^2/NDF:62.6/55

All: -0.000+/-0.000 χ^2/NDF: 113.3/104

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: 15330246.8/25

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

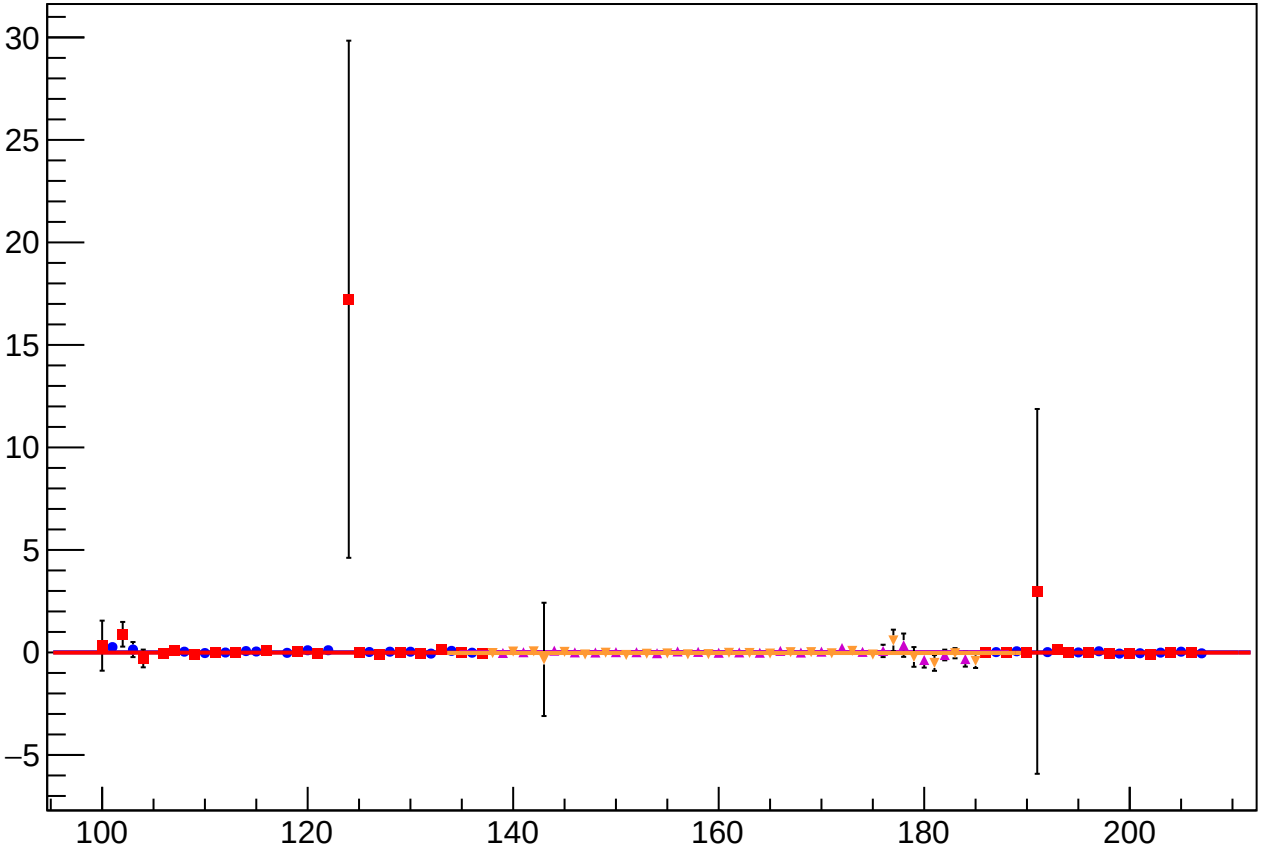
Right: 0.001+/-0.000 χ^2/NDF: 30996895.5/56

In: 0.002+/-0.000 χ^2/NDF:28365554.4/48

Out: 0.002+/-0.000 χ^2/NDF:30596050.0/55

All: 0.002+/-0.000 χ^2/NDF: 59045619.7/104

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.012 χ^2/NDF: 15.7/25

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

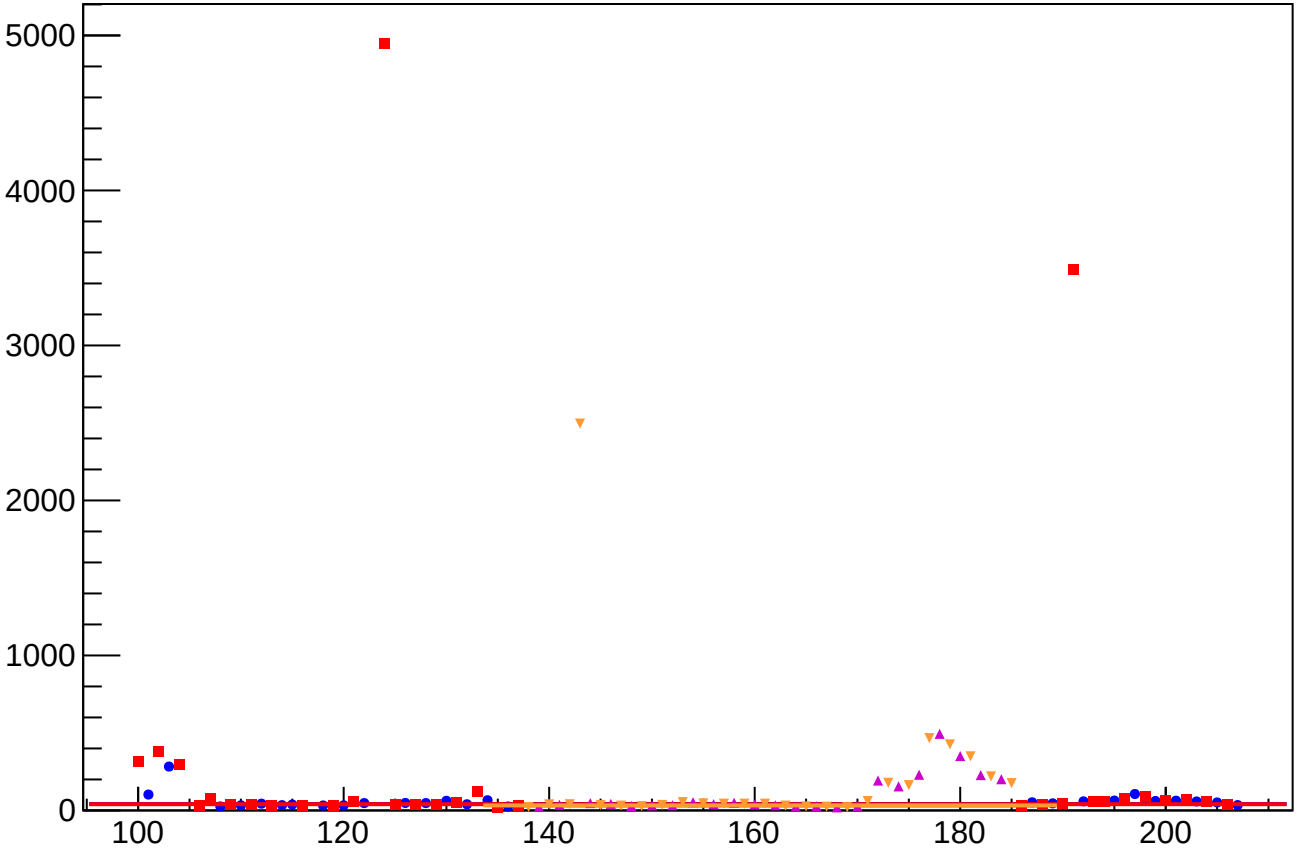
Right: -0.001+/-0.009 χ^2/NDF: 39.3/56

In: 0.010+/-0.008 χ^2/NDF:28.9/48

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.4/104

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.643+/-0.009 χ^2/NDF: 4071035.7/25

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

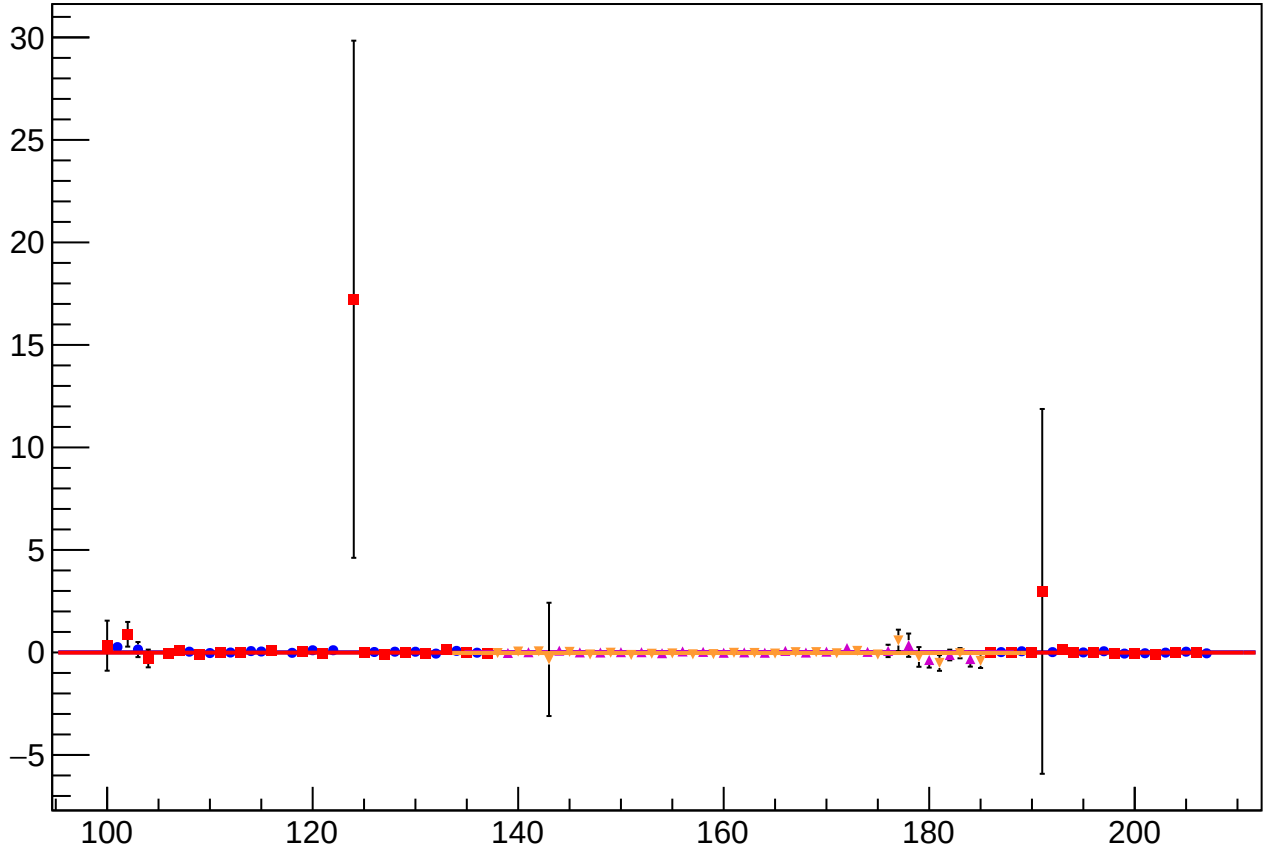
Right: 40.974+/-0.006 χ^2/NDF: 9498323.2/56

In: 36.036+/-0.005 χ^2/NDF:13686030.5/48

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.830+/-0.004 χ^2/NDF: 30508827.5/104

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.012 χ^2/NDF: 15.7/25

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

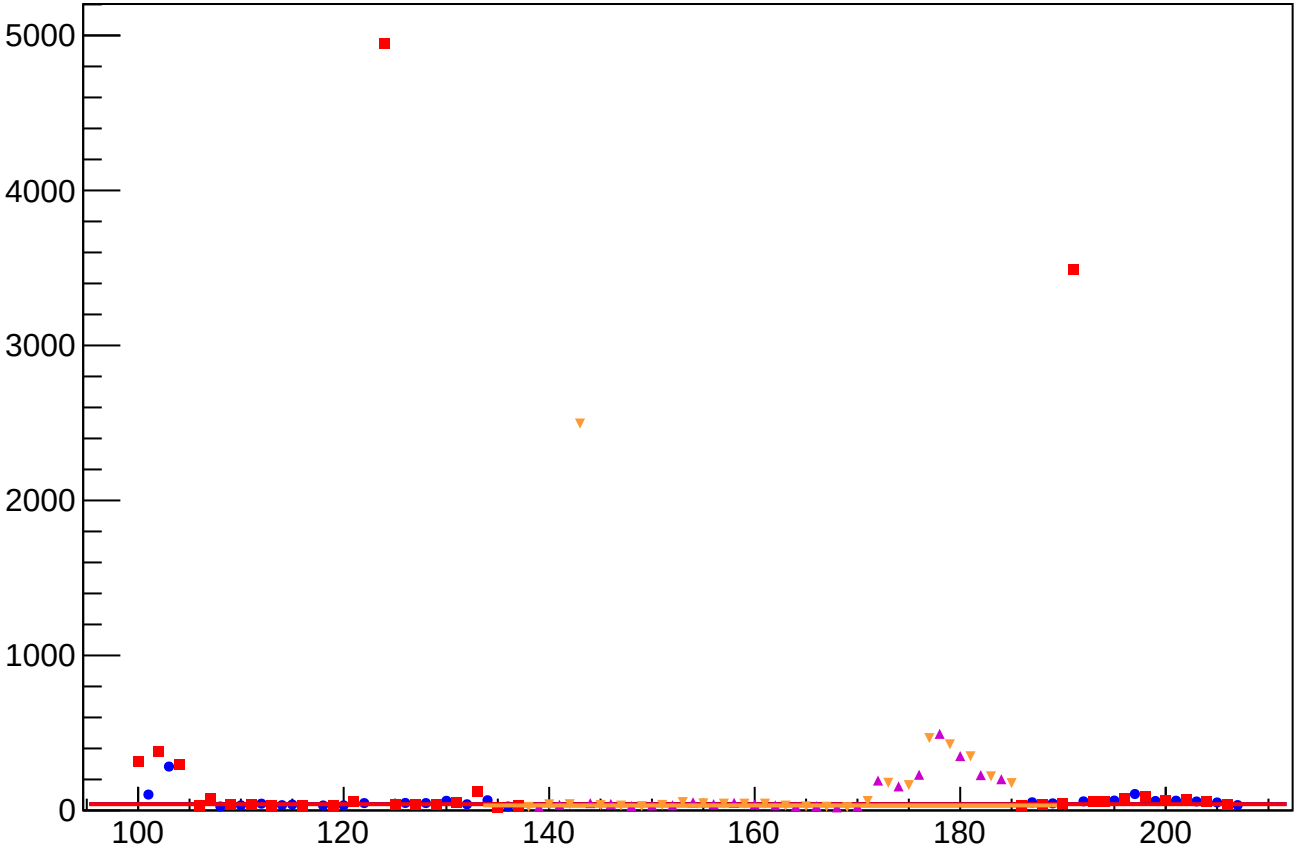
Right: -0.001+/-0.009 χ^2/NDF: 39.3/56

In: 0.010+/-0.008 χ^2/NDF:28.9/48

Out: -0.020+/-0.007 χ^2/NDF:52.3/55

All: -0.006+/-0.005 χ^2/NDF: 89.4/104

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.643+/-0.009 χ^2/NDF: 4071035.7/25

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

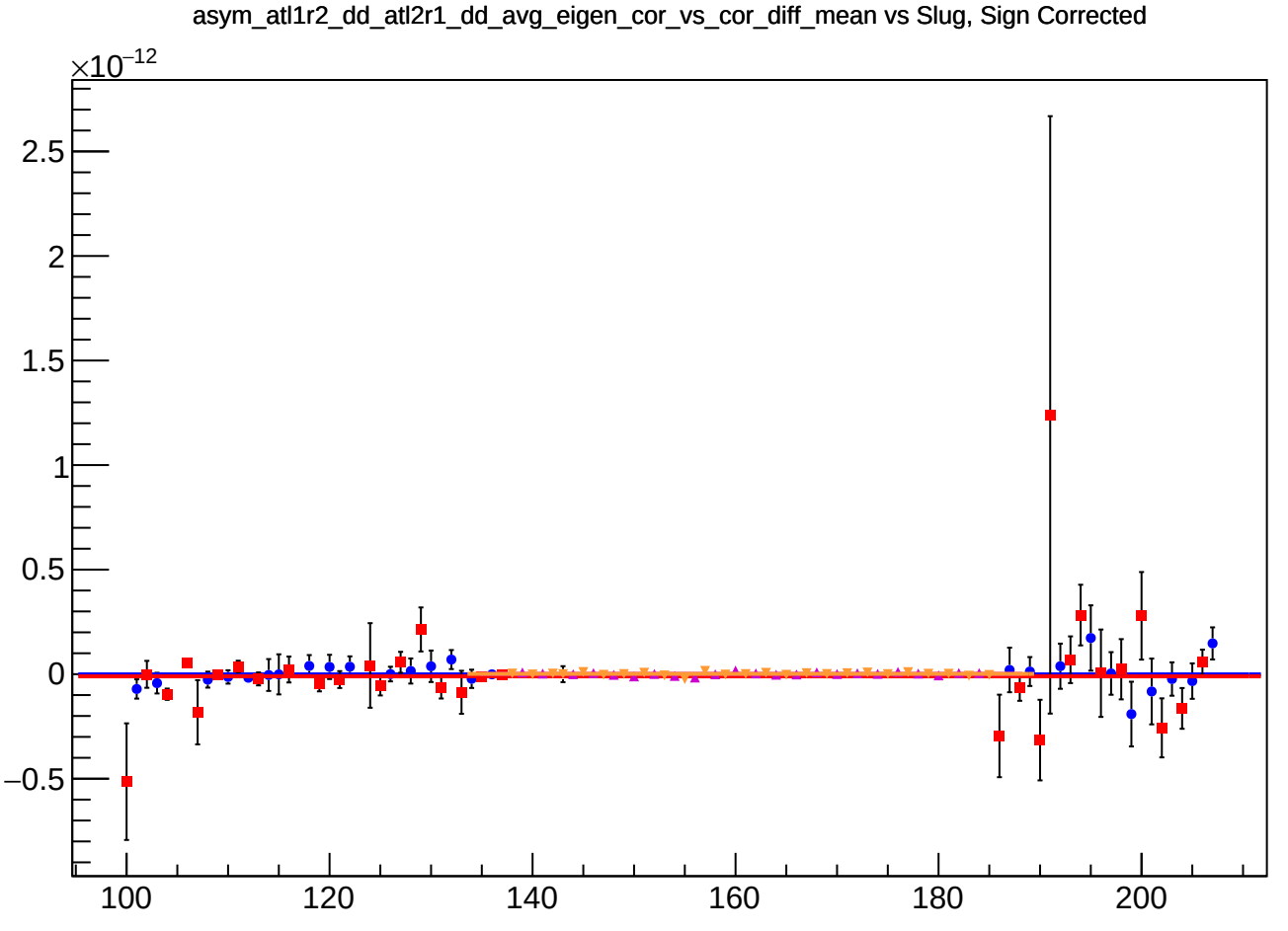
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 40.974+/-0.006 χ^2/NDF: 9498323.2/56

In: 36.036+/-0.005 χ^2/NDF:13686030.5/48

Out: 35.631+/-0.005 χ^2/NDF:16819859.7/55

All: 35.830+/-0.004 χ^2/NDF: 30508827.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 15.8/25

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

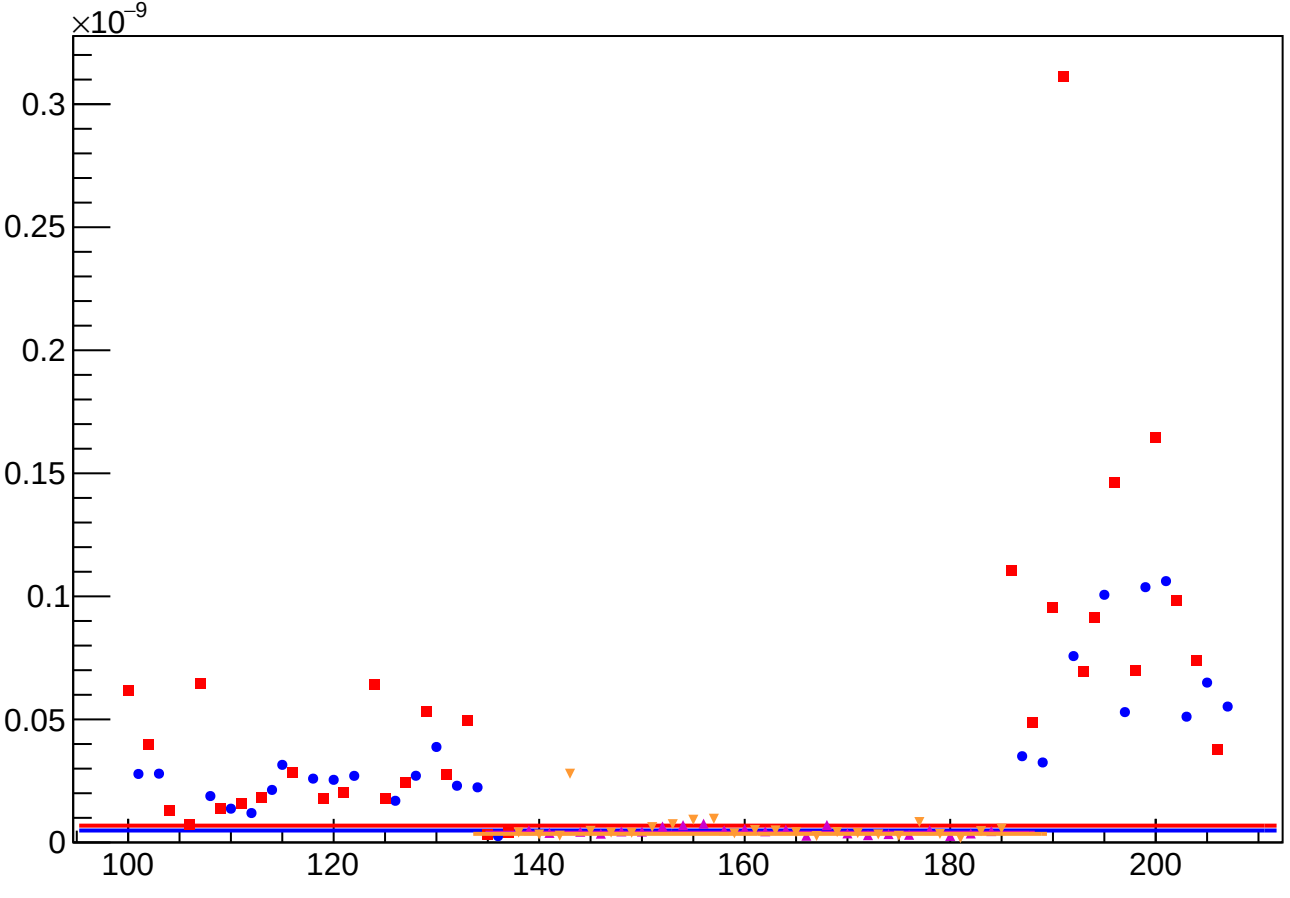
Right: -0.000+/-0.000 χ^2/NDF: 78.1/56

In: 0.000+/-0.000 χ^2/NDF:44.9/48

Out: 0.000+/-0.000 χ^2/NDF:85.1/55

All: 0.000+/-0.000 χ^2/NDF: 130.0/104

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: 11876779.1/25

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

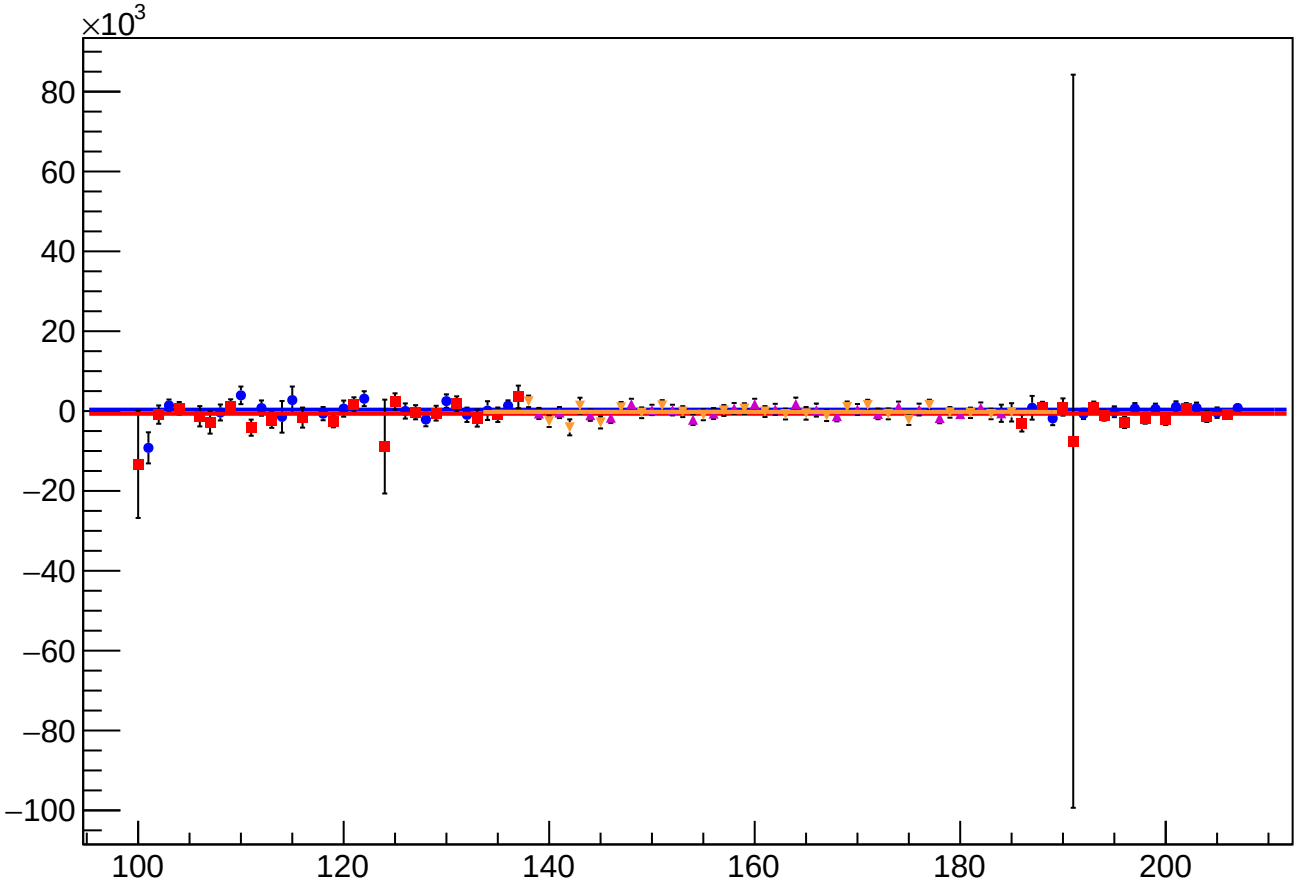
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 25046437.1/56

In: 0.000+/-0.000 χ^2/NDF:14070277.8/48

Out: 0.000+/-0.000 χ^2/NDF:18804712.5/55

All: 0.000+/-0.000 χ^2/NDF: 32995049.3/104



Right In: 359.873+/-328.263 χ^2/NDF: 20.7/25

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

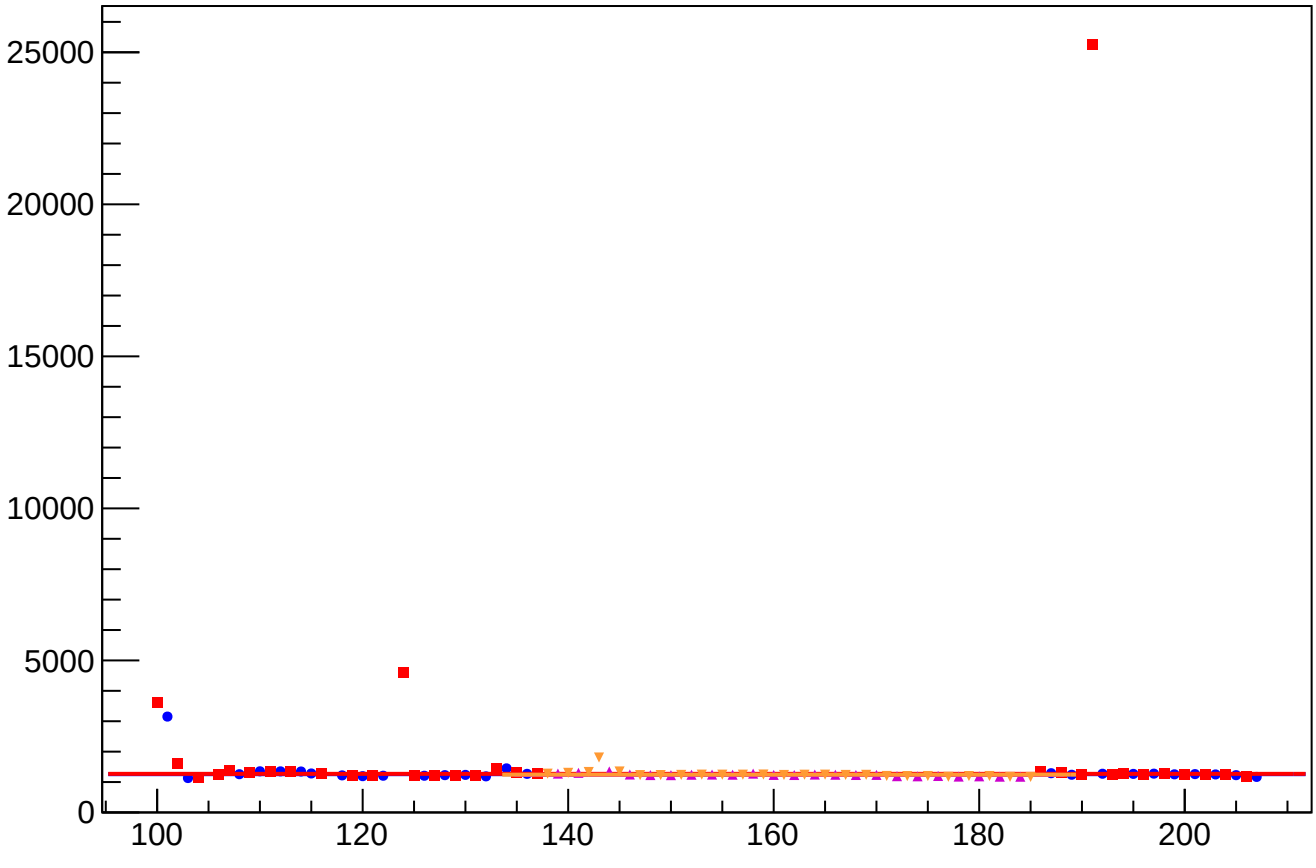
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -175.767+/-228.801 χ^2/NDF: 53.2/56

In: 104.479+/-216.583 χ^2/NDF:36.4/48

Out: -423.796+/-211.745 χ^2/NDF:52.4/55

All: -165.623+/-151.408 χ^2/NDF: 91.9/104



Right In: 1258.479+/-0.232 χ^2/NDF: 533843.3/25

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

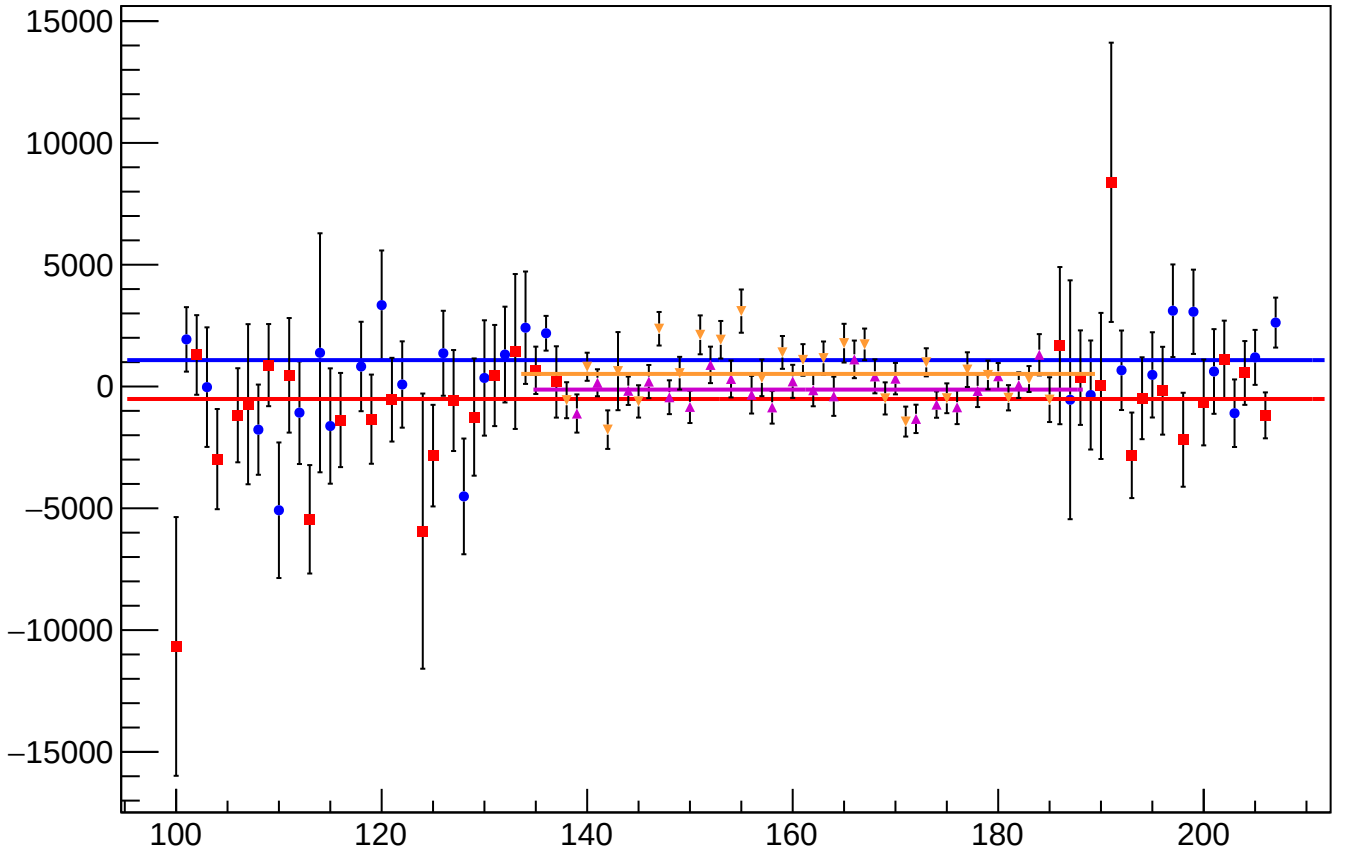
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1264.239+/-0.162 χ^2/NDF: 1021283.7/56

In: 1244.516+/-0.153 χ^2/NDF:579533.0/48

Out: 1254.652+/-0.150 χ^2/NDF:697470.8/55

All: 1249.698+/-0.107 χ^2/NDF: 1279243.5/10



Right In: 1083.297+/-321.817 χ^2/NDF: 28.0/25

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

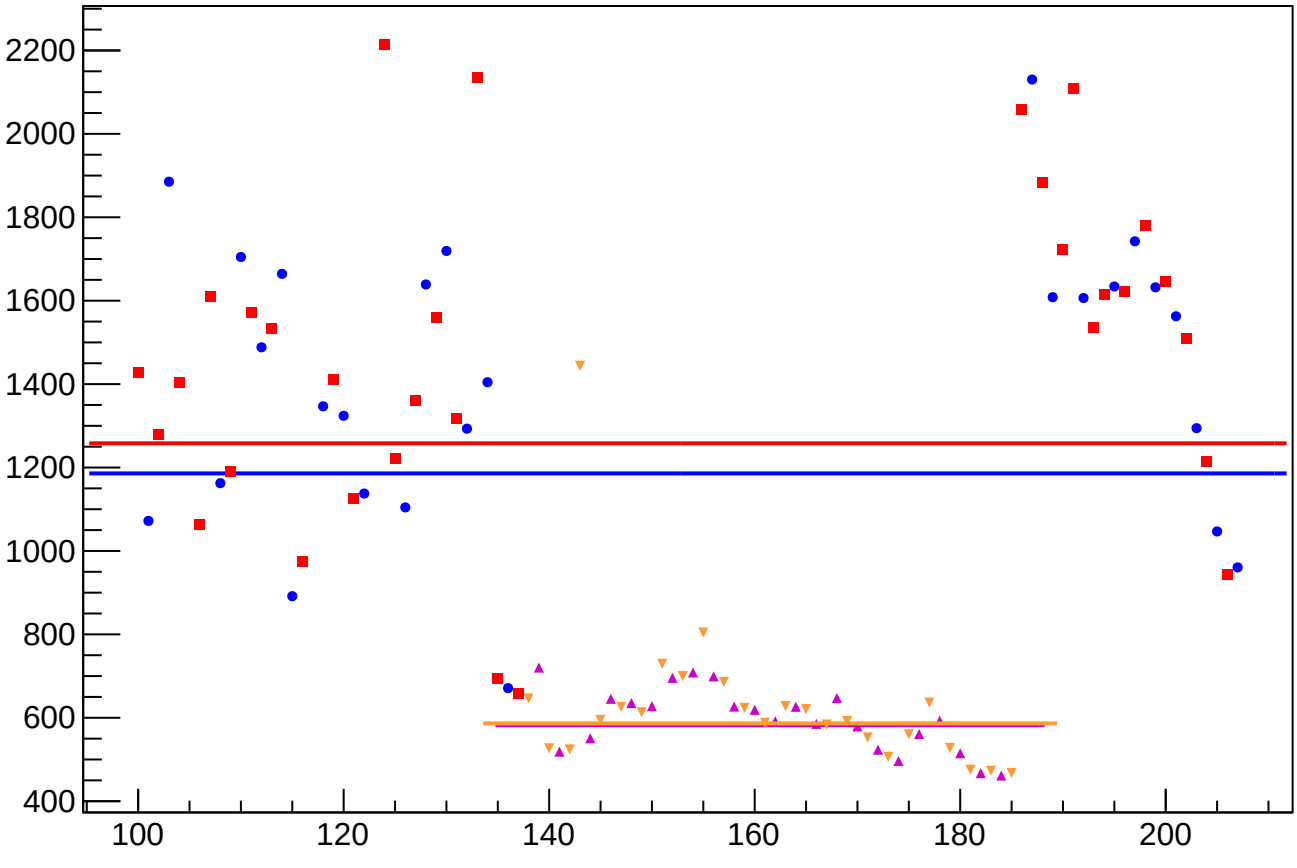
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 298.435+/-229.393 χ^2/NDF: 65.1/56

In: 59.663+/-126.261 χ^2/NDF:61.5/48

Out: 365.580+/-125.376 χ^2/NDF:100.5/55

All: 213.696+/-88.965 χ^2/NDF: 164.9/104



Right In: 1185.886+/-0.228 χ^2/NDF: 2555007.3/25

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

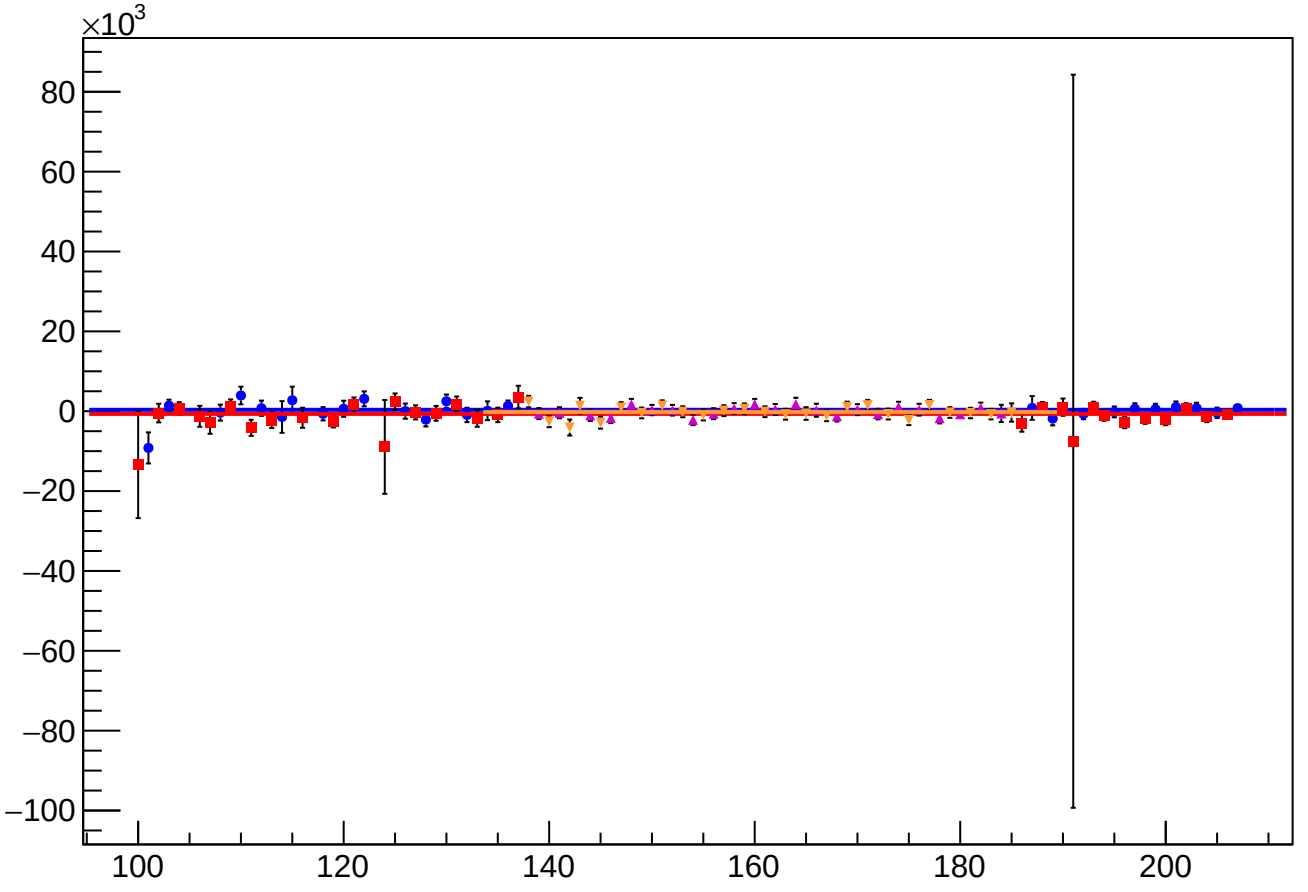
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1221.398+/-0.162 χ^2/NDF: 5215537.9/56

In: 675.116+/-0.089 χ^2/NDF:9068900.8/48

Out: 685.235+/-0.089 χ^2/NDF:11005995.2/55

All: 680.211+/-0.063 χ^2/NDF: 20081364.2/10



Right In: 360.079+/-328.263 χ^2/NDF: 20.6/25

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

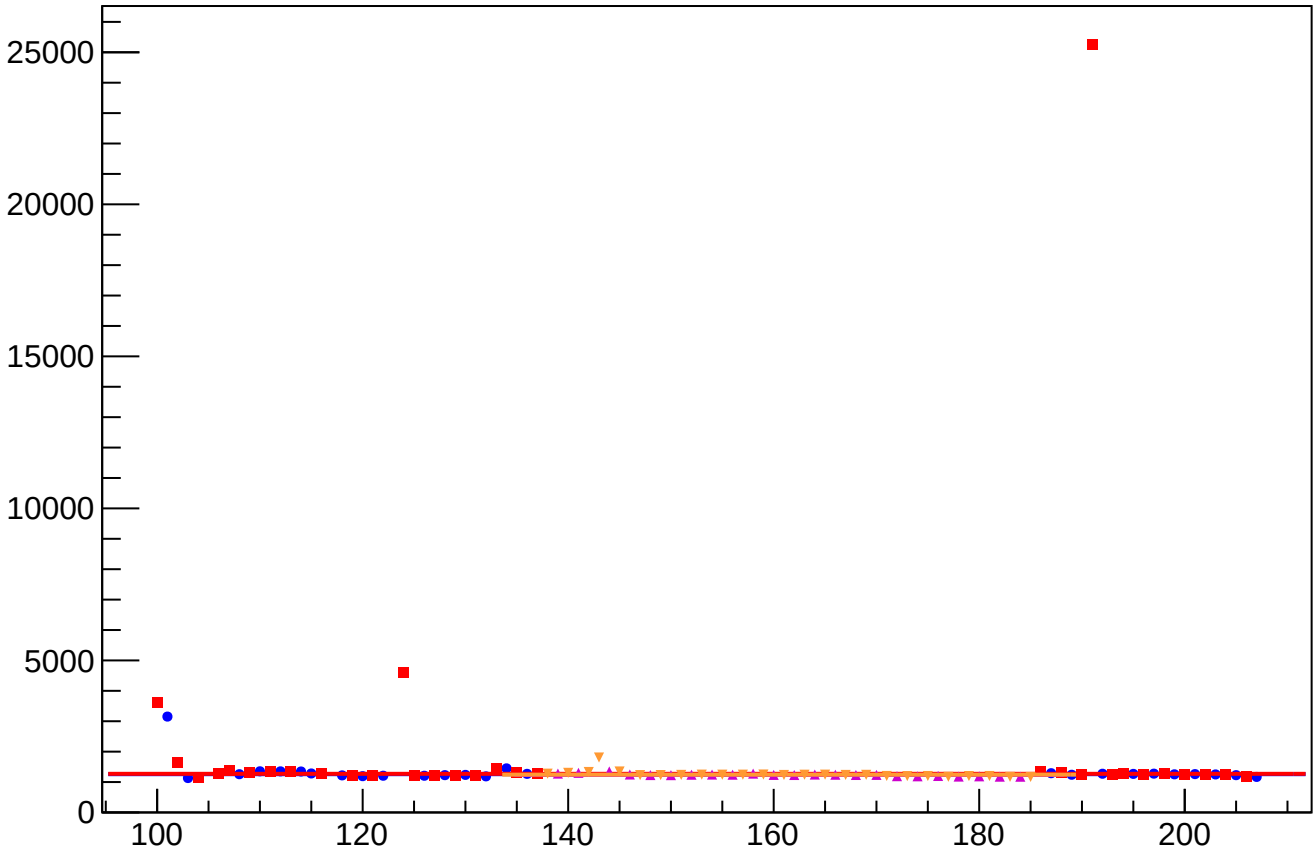
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -170.762+/-228.889 χ^2/NDF: 53.1/56

In: 104.529+/-216.583 χ^2/NDF:36.4/48

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -163.458+/-151.433 χ^2/NDF: 91.8/104



Right In: 1258.479+/-0.232 χ^2/NDF: 533844.7/25

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

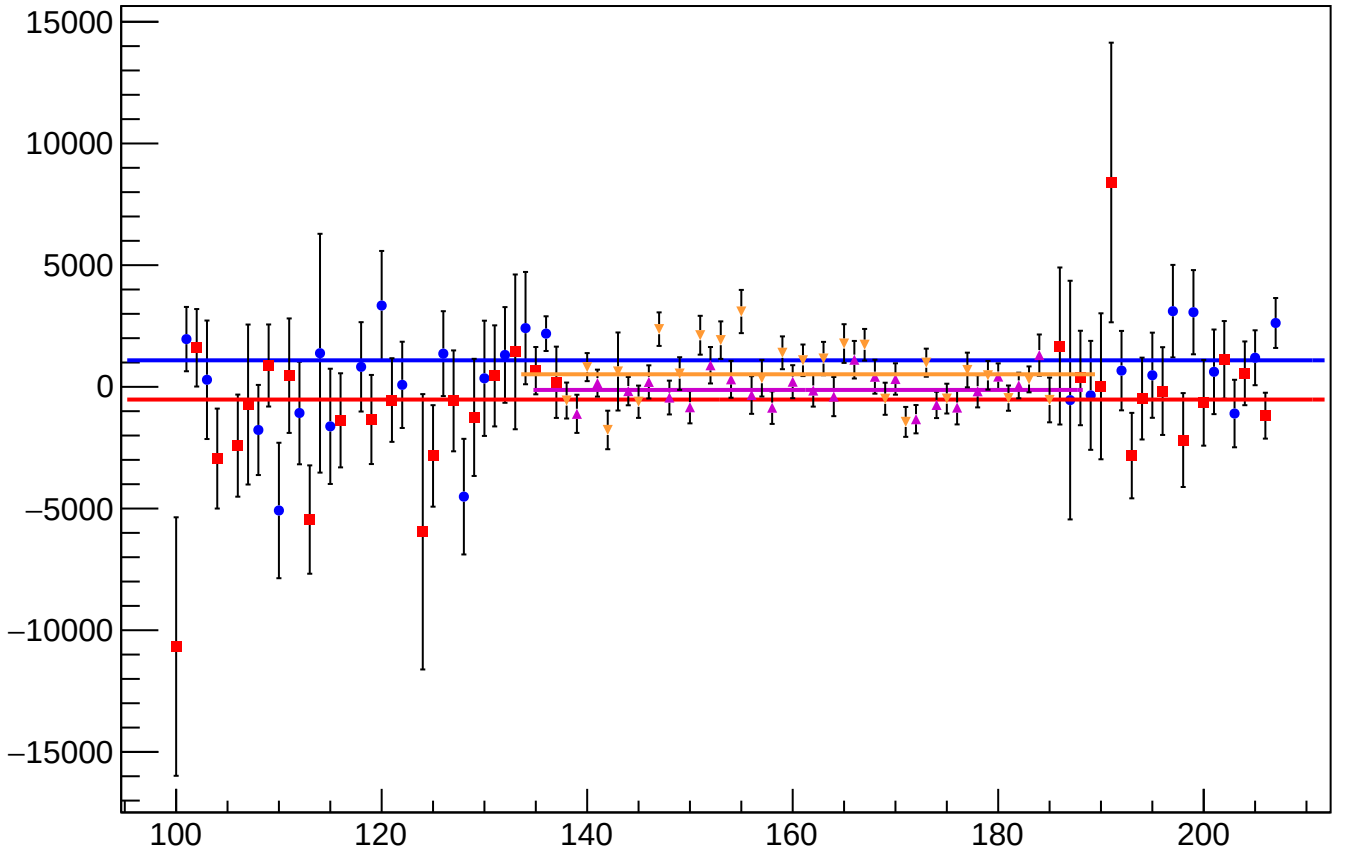
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1264.742+/-0.162 χ^2/NDF: 1028683.8/56

In: 1244.516+/-0.153 χ^2/NDF:579534.3/48

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1249.914+/-0.107 χ^2/NDF: 1287202.1/10



Right In: 1090.332+/-321.741 χ^2/NDF: 27.9/25

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

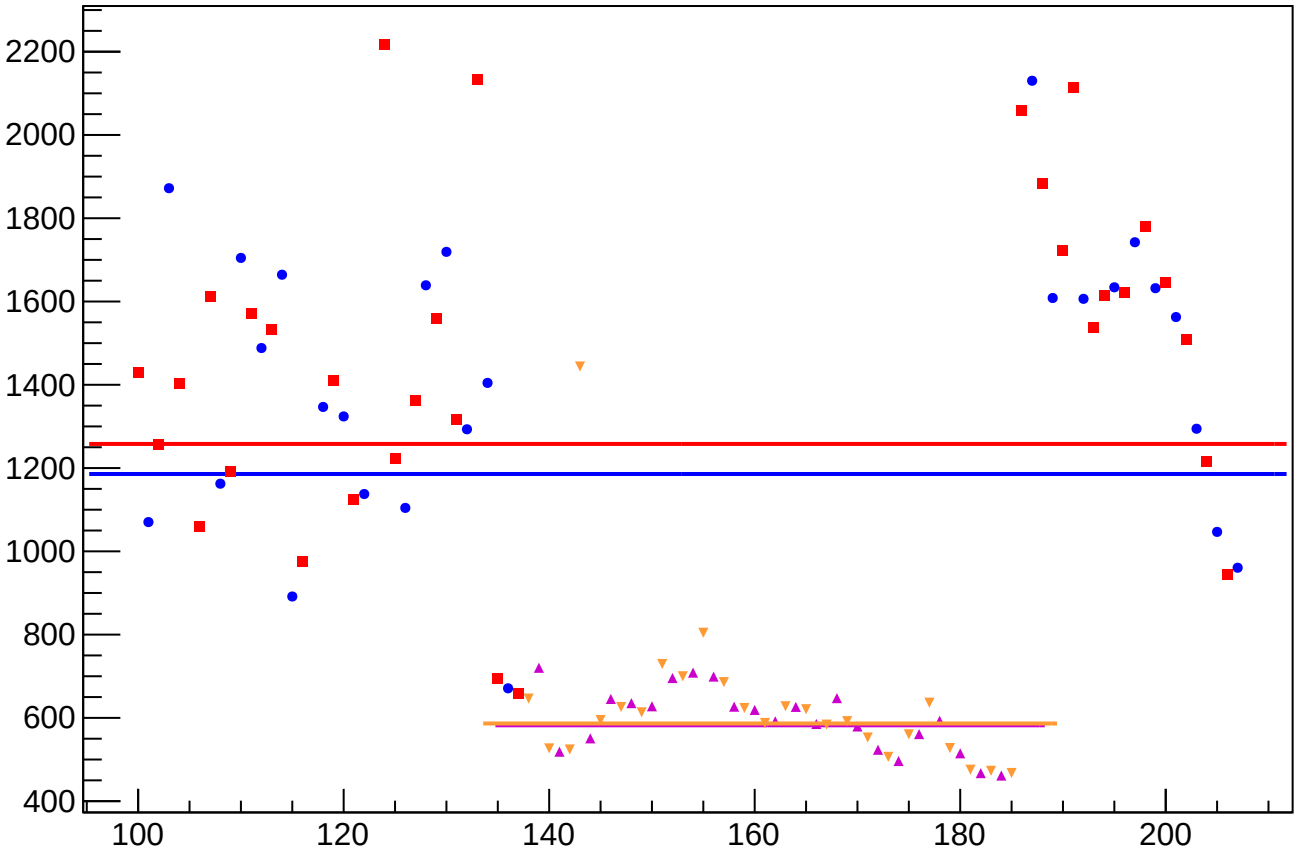
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

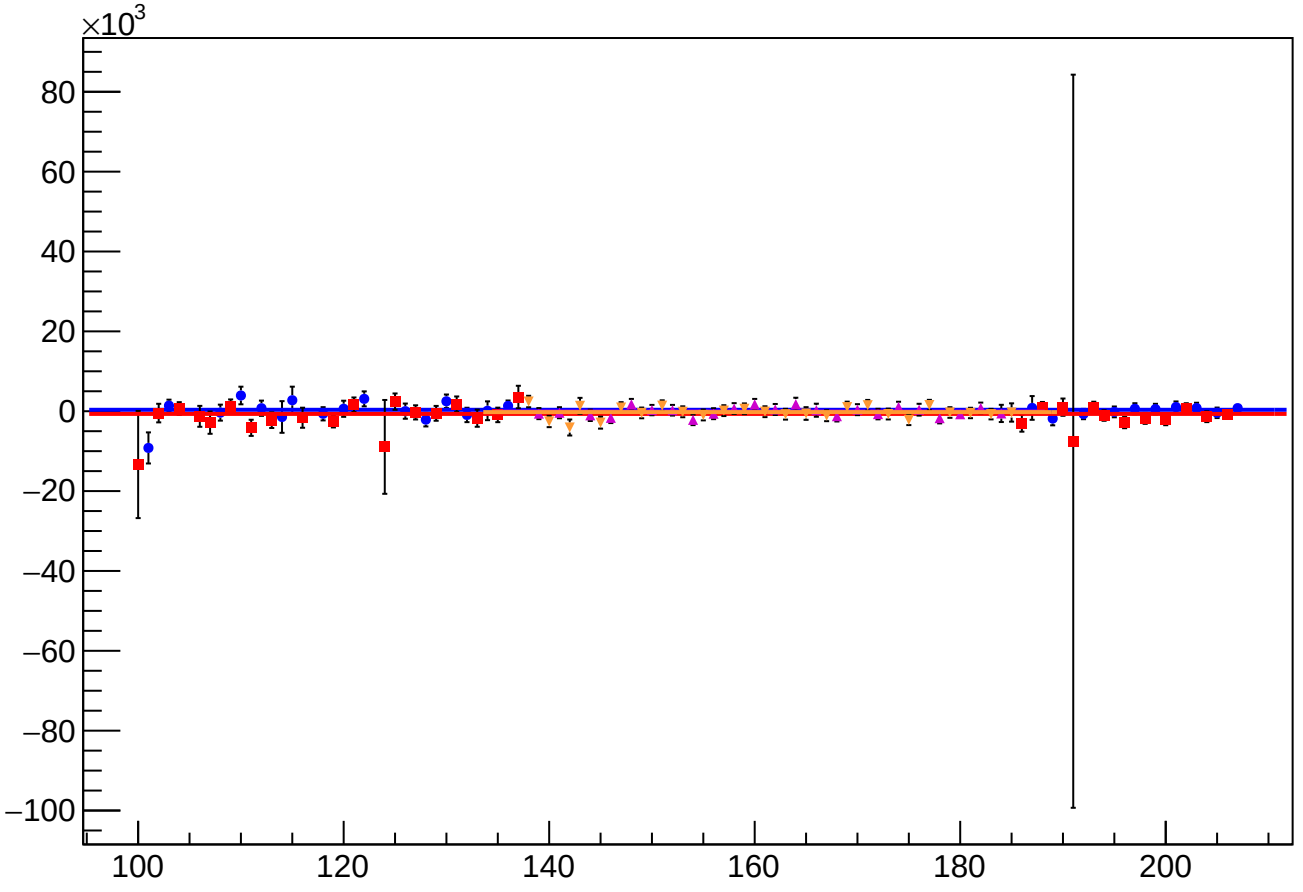
Right: 298.373+/-229.486 χ^2/NDF: 66.5/56

In: 60.836+/-126.256 χ^2/NDF:61.6/48

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 213.690+/-88.971 χ^2/NDF: 166.3/104


asym_at1_dd_at2_dd_avg_cor_correction_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
600
400
100
120
140
160
180
200
Right In: 1185.728+/-0.228 χ²/NDF: 2552042.5/25
Left Out: 586.562+/-0.096 χ²/NDF:1202822.0/24
Right Out: 1257.943+/-0.232 χ²/NDF: 2608519.4/30
Left In: 582.189+/-0.097 χ²/NDF:559258.0/22
Left: 584.400+/-0.068 χ²/NDF: 1763106.4/47
Right: 1221.204+/-0.162 χ²/NDF: 5210059.4/56
In: 675.127+/-0.089 χ²/NDF:9065244.8/48
Out: 685.039+/-0.089 χ²/NDF:10987207.0/55
All: 680.117+/-0.063 χ²/NDF: 20058657.7/10



Right In: 360.079+/-328.263 χ^2/NDF: 20.6/25

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

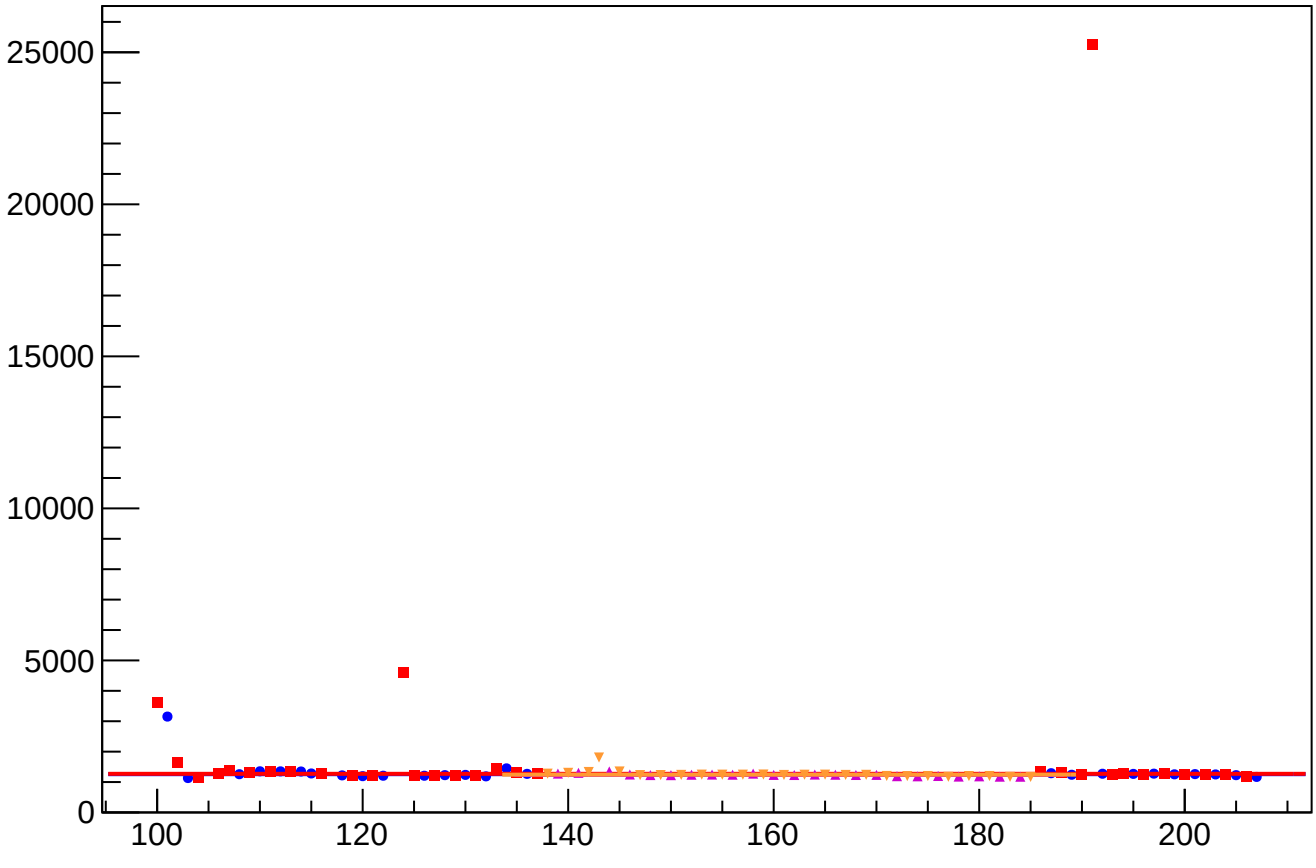
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -170.762+/-228.889 χ^2/NDF: 53.1/56

In: 104.529+/-216.583 χ^2/NDF:36.4/48

Out: -419.778+/-211.815 χ^2/NDF:52.4/55

All: -163.458+/-151.433 χ^2/NDF: 91.8/104



Right In: 1258.479+/-0.232 χ^2/NDF: 533844.7/25

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

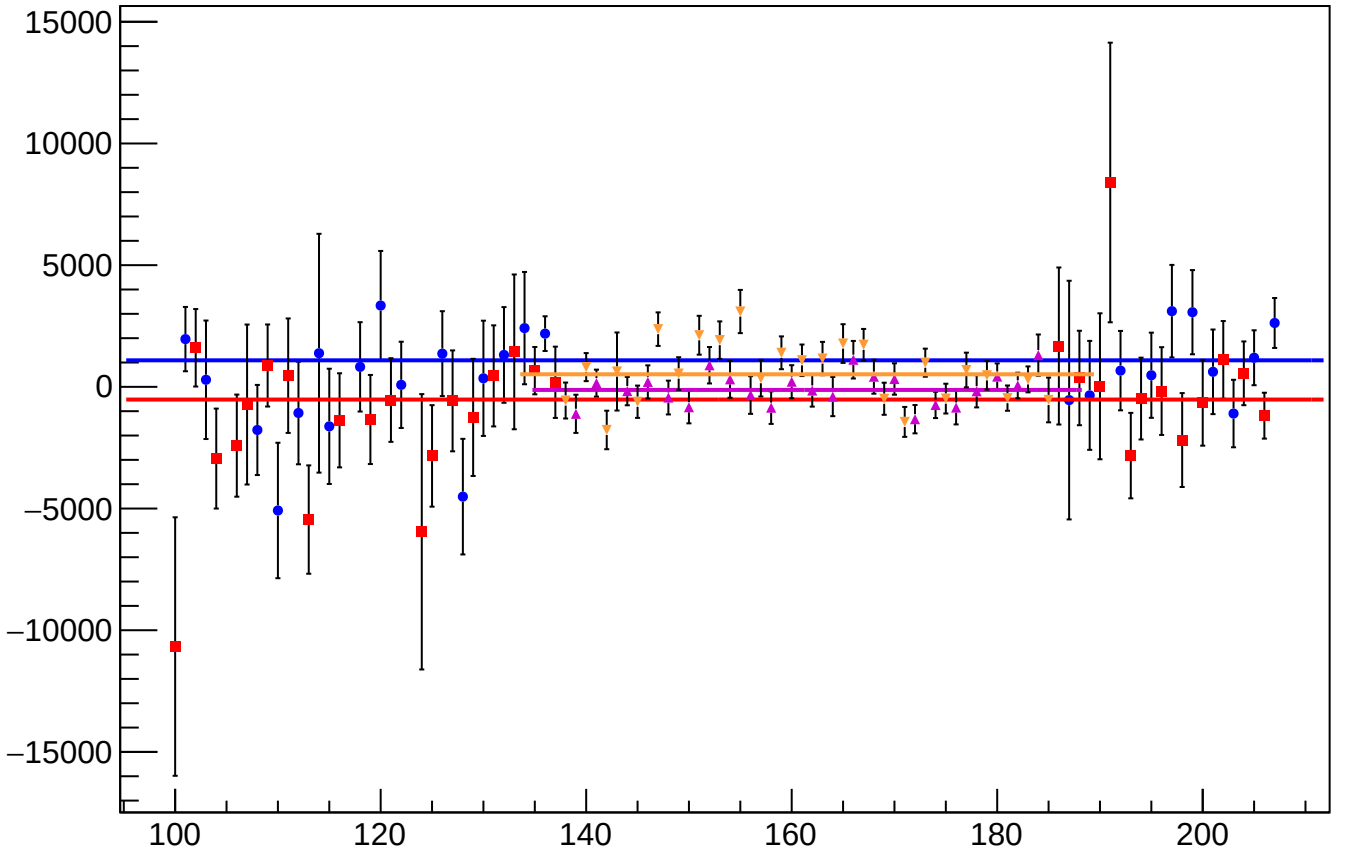
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1264.742+/-0.162 χ^2/NDF: 1028683.8/56

In: 1244.516+/-0.153 χ^2/NDF:579534.3/48

Out: 1255.077+/-0.150 χ^2/NDF:705237.1/55

All: 1249.914+/-0.107 χ^2/NDF: 1287202.1/10



Right In: 1090.332+/-321.741 χ^2/NDF: 27.9/25

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

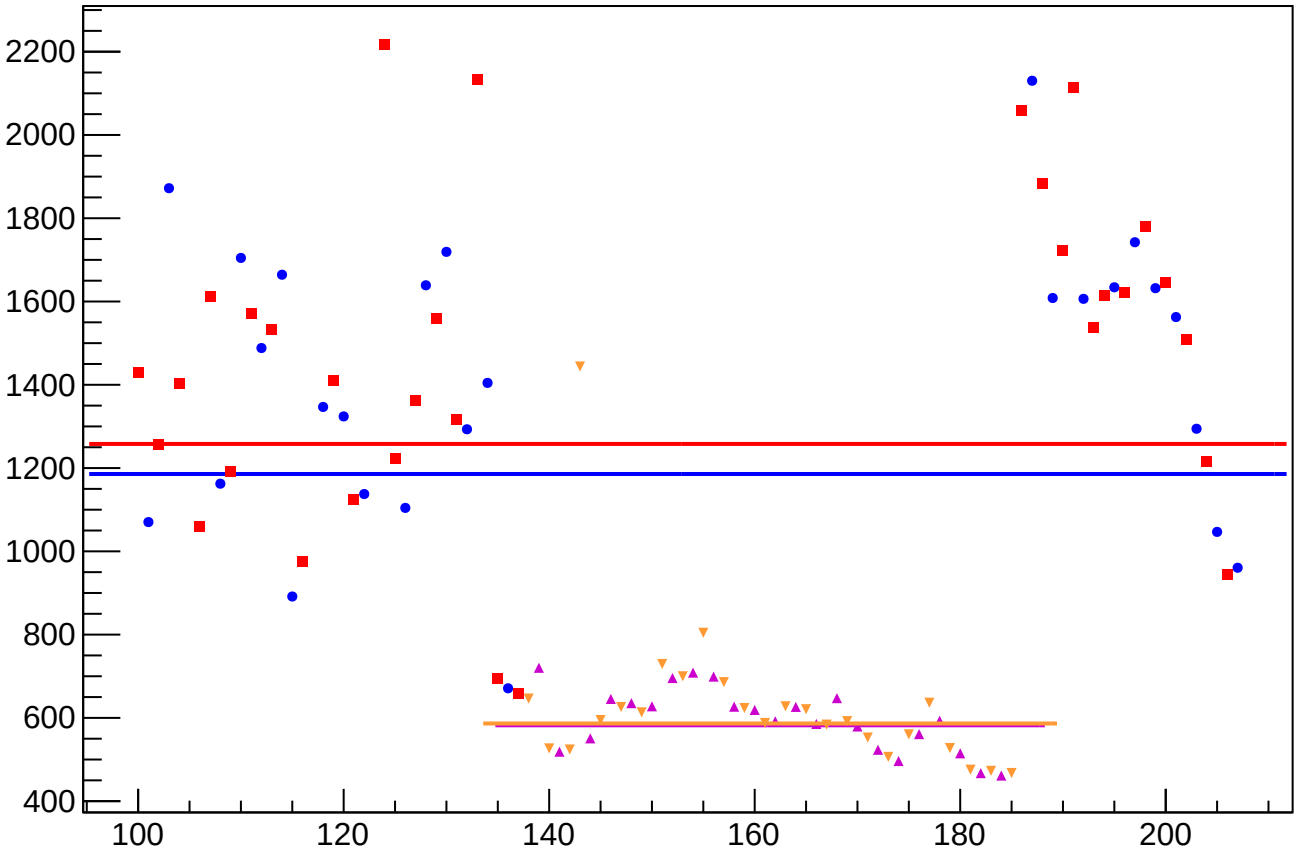
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 298.373+/-229.486 χ^2/NDF: 66.5/56

In: 60.836+/-126.256 χ^2/NDF:61.6/48

Out: 364.472+/-125.397 χ^2/NDF:101.8/55

All: 213.690+/-88.971 χ^2/NDF: 166.3/104



Right In: 1185.728+/-0.228 χ^2/NDF: 2552042.5/25

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

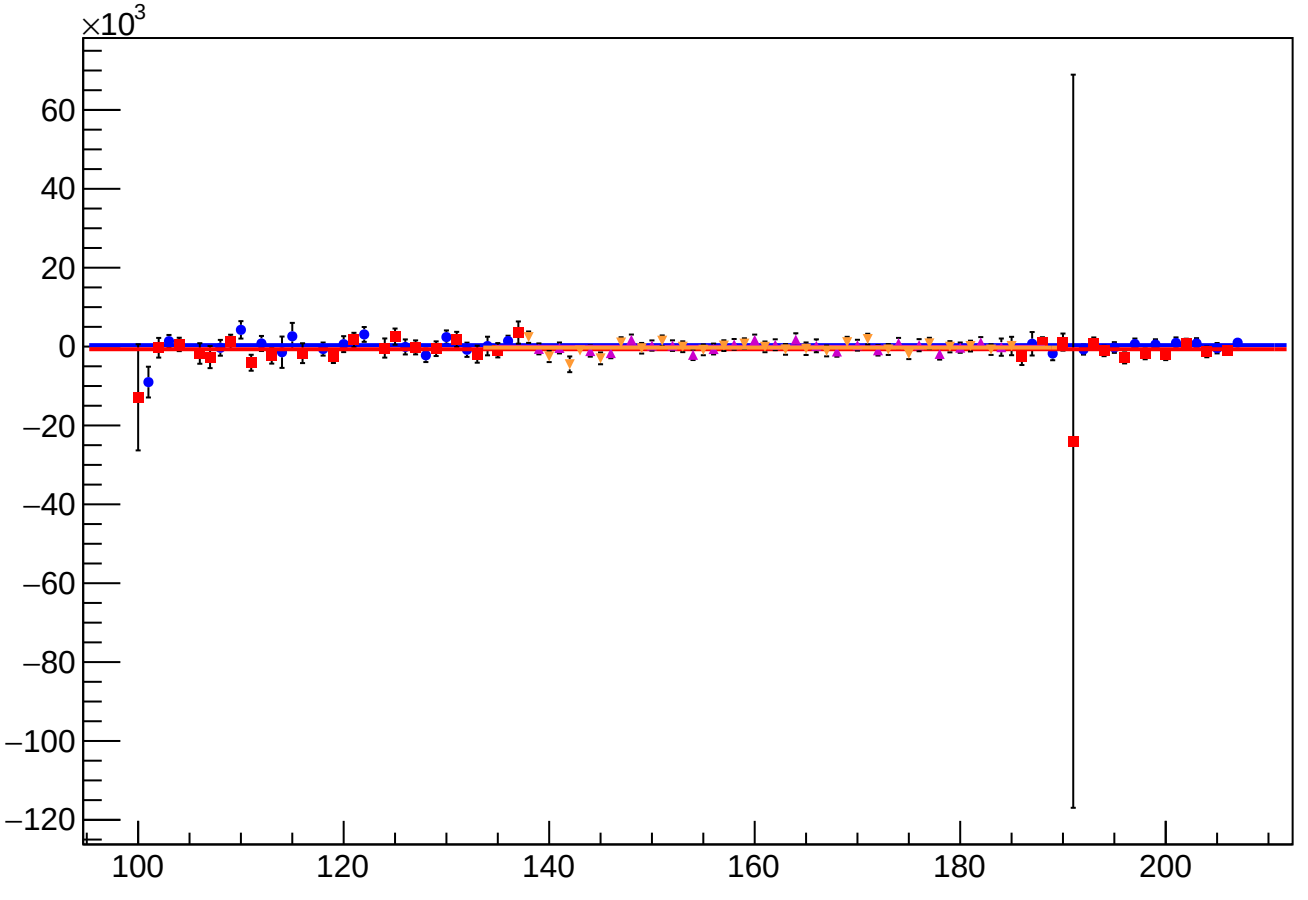
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1221.204+/-0.162 χ^2/NDF: 5210059.4/56

In: 675.127+/-0.089 χ^2/NDF:9065244.8/48

Out: 685.039+/-0.089 χ^2/NDF:10987207.0/55

All: 680.117+/-0.063 χ^2/NDF: 20058657.7/10



Right In: 362.916+/-329.469 χ^2/NDF: 20.8/25

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

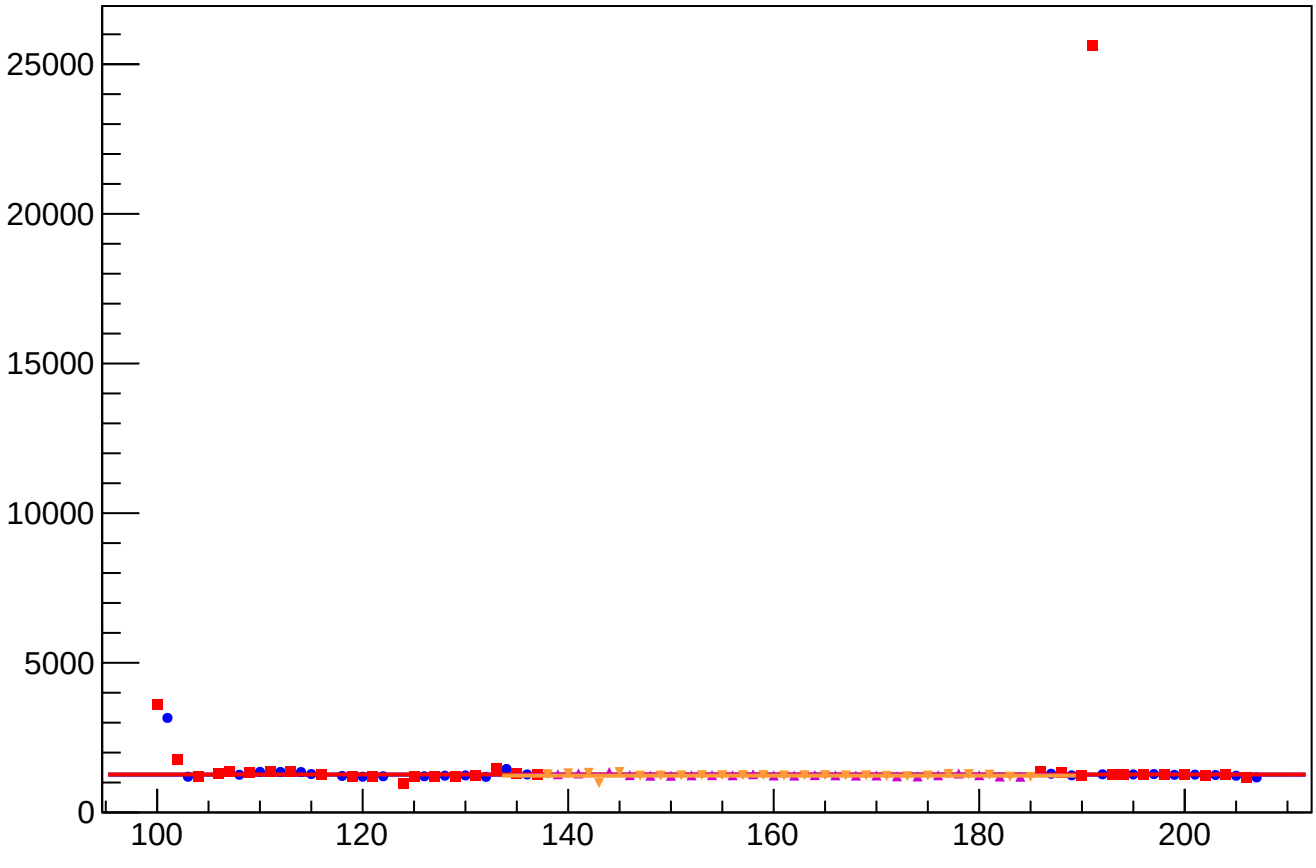
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -172.537+/-228.969 χ^2/NDF: 52.7/56

In: 117.317+/-218.299 χ^2/NDF:35.8/48

Out: -434.746+/-210.240 χ^2/NDF:51.9/55

All: -169.093+/-151.431 χ^2/NDF: 90.9/104



Right In: 1263.295+/-0.233 χ^2/NDF: 523813.5/25

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

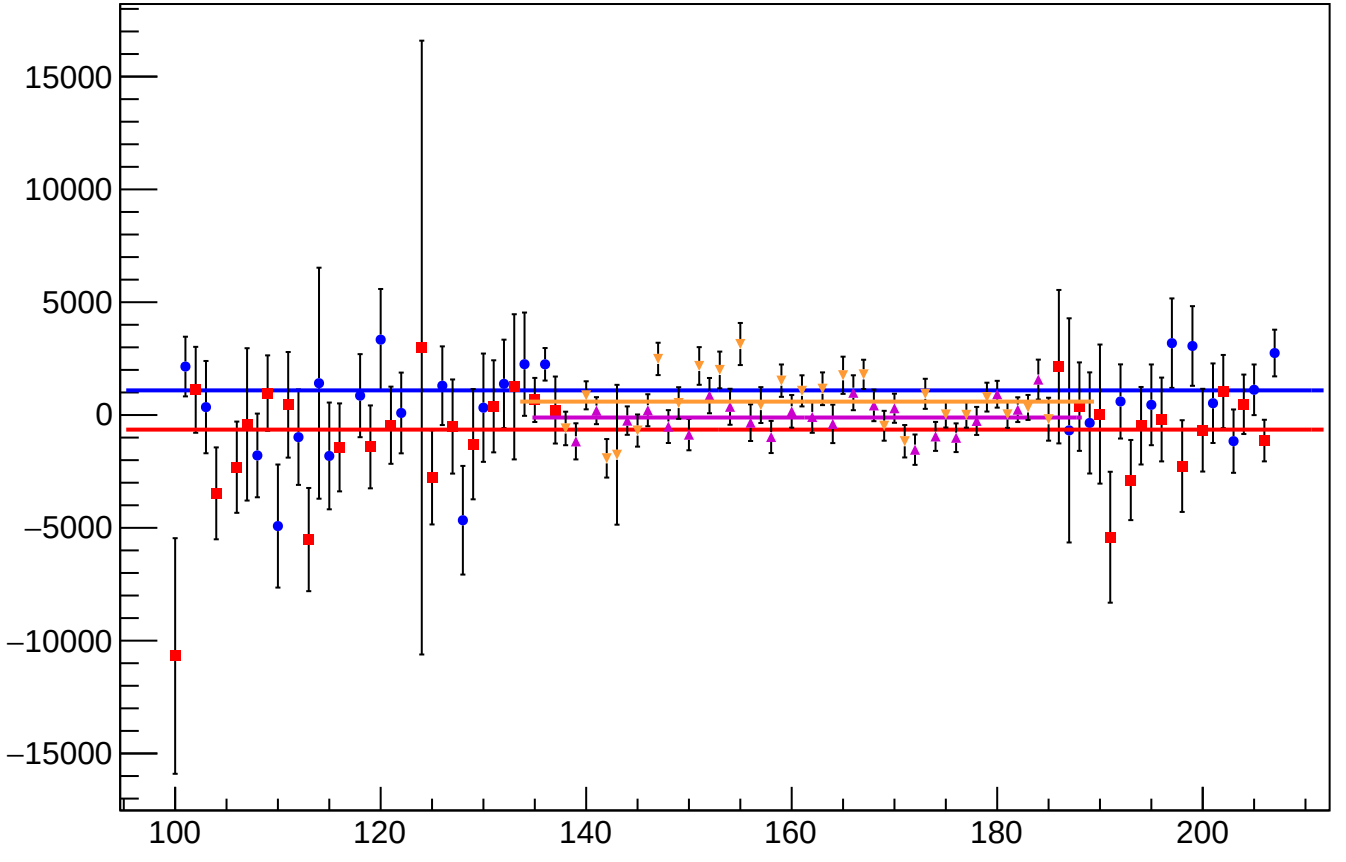
Right: 1266.218+/-0.162 χ^2/NDF: 908742.7/56

In: 1254.594+/-0.154 χ^2/NDF:553640.7/48

Out: 1246.970+/-0.149 χ^2/NDF:543121.8/55

All: 1250.639+/-0.107 χ^2/NDF: 1098028.4/10

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 1092.536+/-322.990 χ^2/NDF: 28.9/25

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

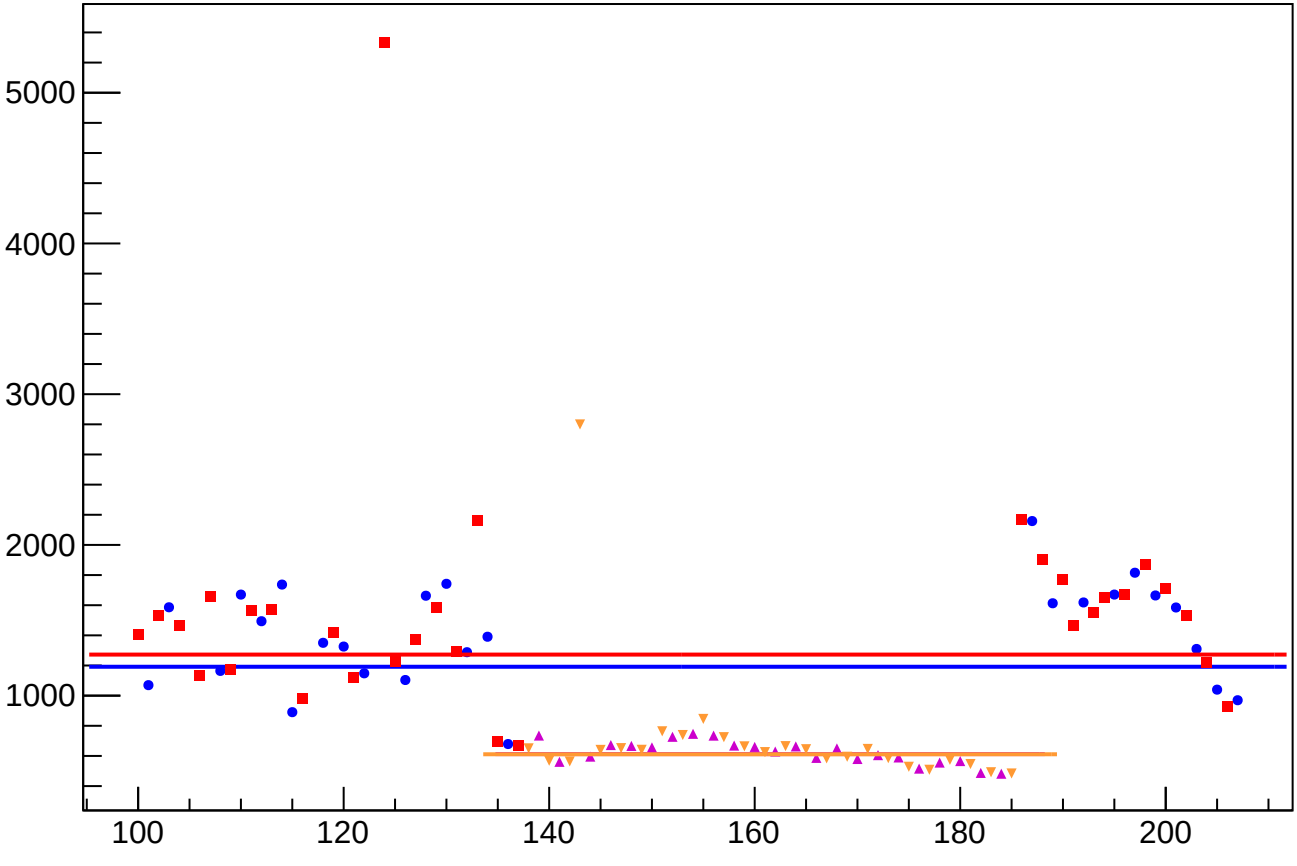
Right: 241.967+/-230.855 χ^2/NDF: 68.3/56

In: 89.720+/-131.698 χ^2/NDF:66.2/48

Out: 400.839+/-130.543 χ^2/NDF:94.5/55

All: 246.650+/-92.713 χ^2/NDF: 163.4/104

asym_at1_dd_at2_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1191.699+/-0.228 χ^2/NDF: 2498397.2/25

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

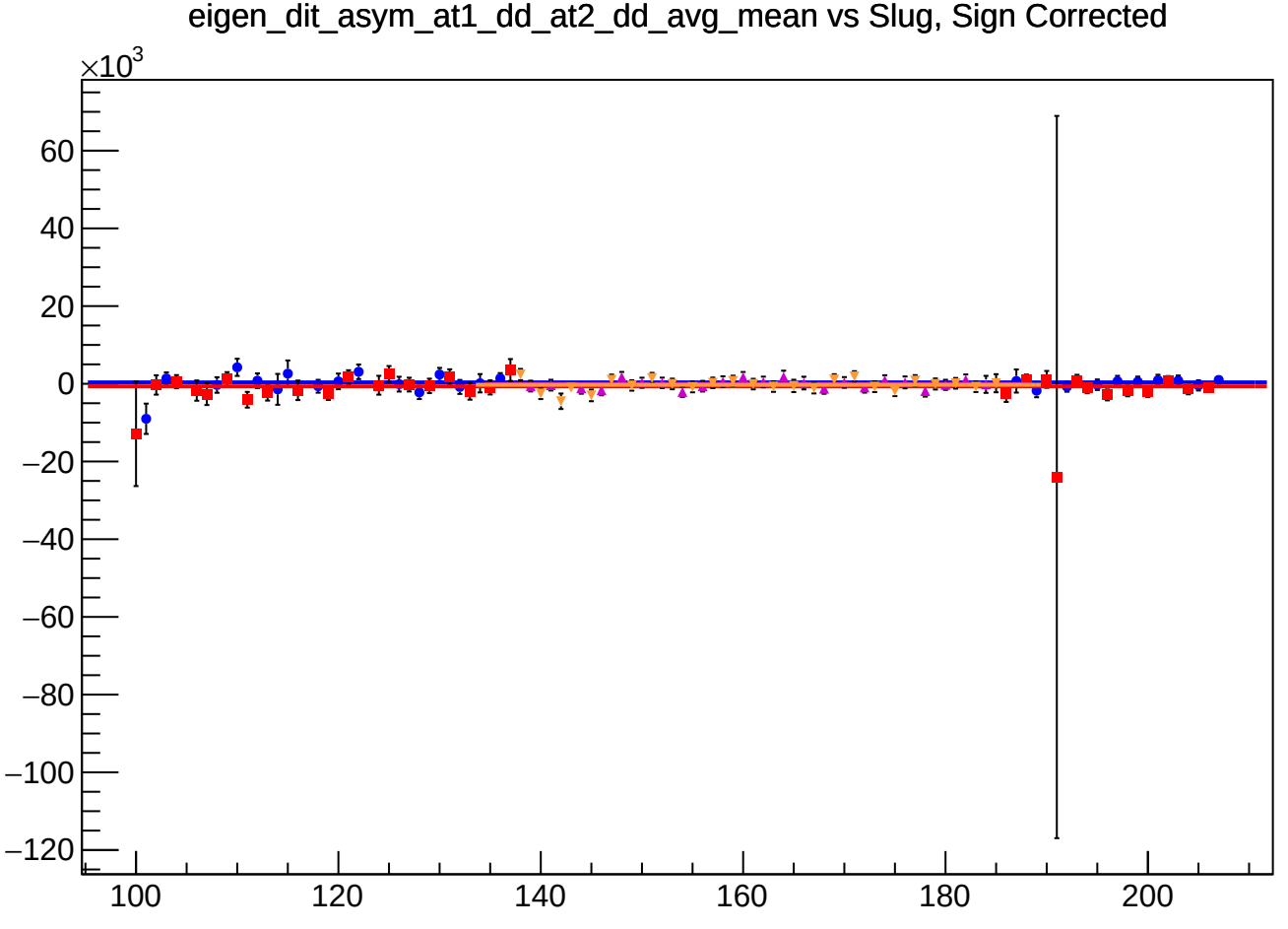
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1231.191+/-0.163 χ^2/NDF: 5459607.0/56

In: 708.711+/-0.093 χ^2/NDF:8371024.7/48

Out: 714.527+/-0.092 χ^2/NDF:11292361.1/55

All: 711.645+/-0.066 χ^2/NDF: 19665353.2/10



Right In: 362.916+/-329.469 χ^2/NDF: 20.8/25

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

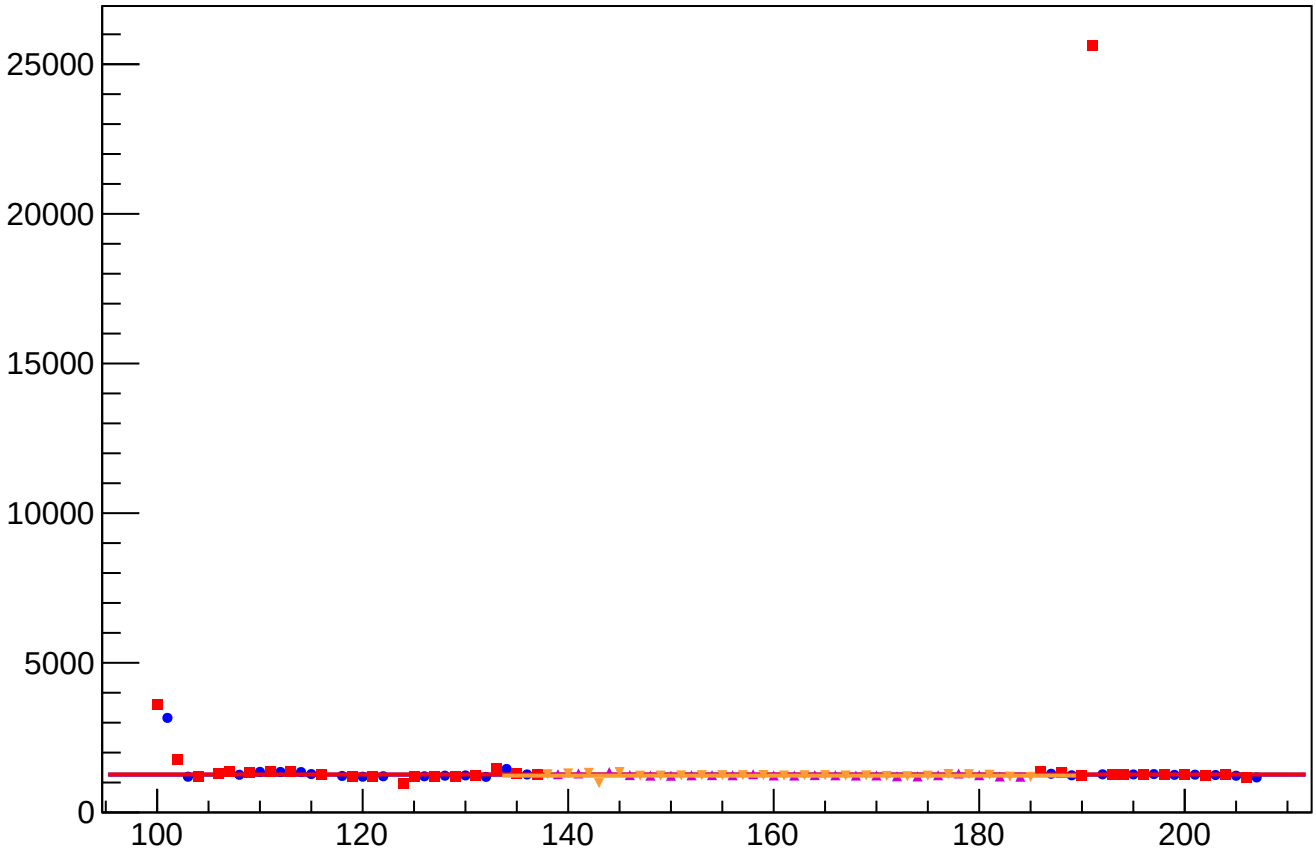
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -172.537+/-228.969 χ^2/NDF: 52.7/56

In: 117.317+/-218.299 χ^2/NDF:35.8/48

Out: -434.747+/-210.240 χ^2/NDF:51.9/55

All: -169.094+/-151.431 χ^2/NDF: 90.9/104



Right In: 1263.295+/-0.233 χ^2/NDF: 523813.6/25

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

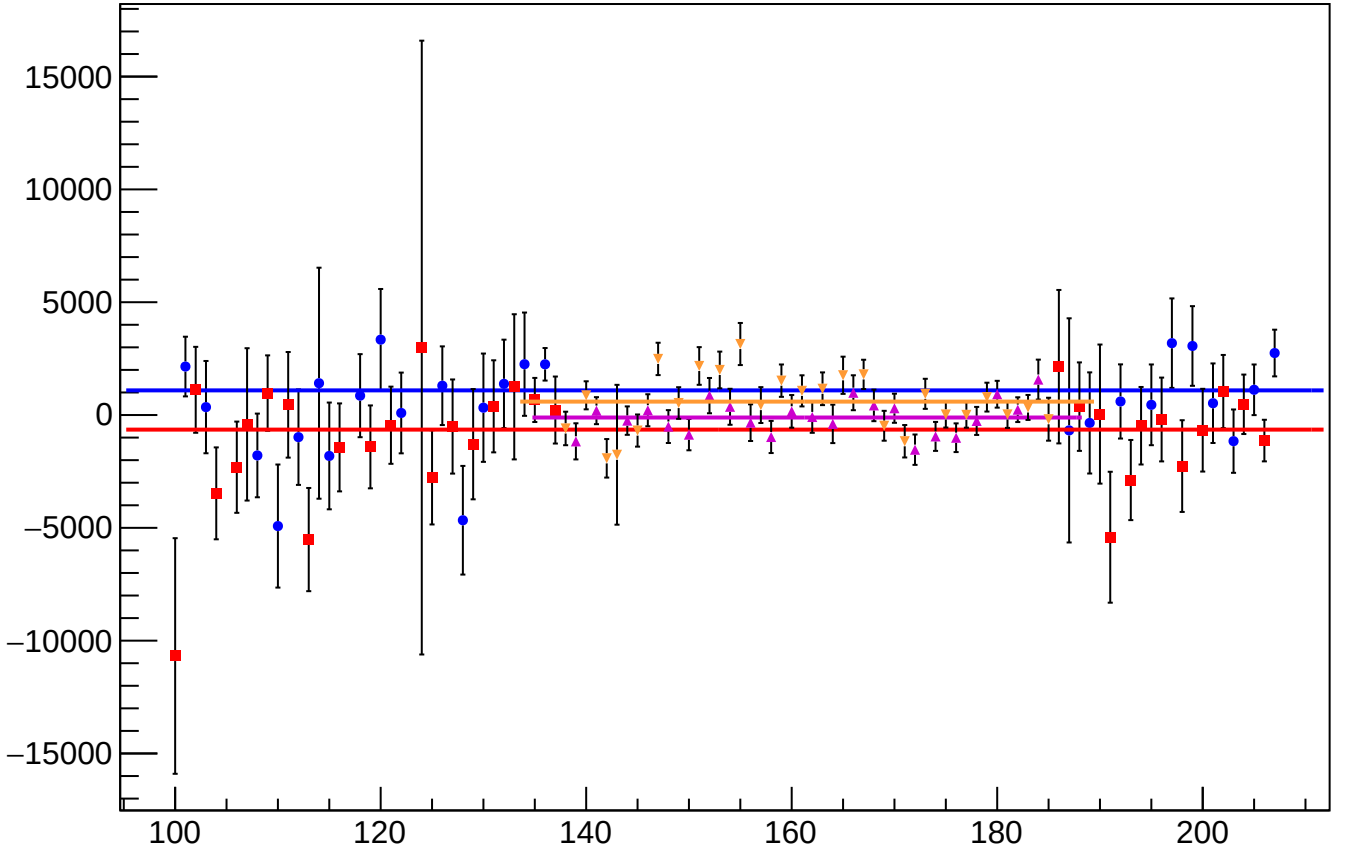
Right: 1266.218+/-0.162 χ^2/NDF: 908742.6/56

In: 1254.594+/-0.154 χ^2/NDF:553640.8/48

Out: 1246.970+/-0.149 χ^2/NDF:543120.7/55

All: 1250.639+/-0.107 χ^2/NDF: 1098027.3/10

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 1092.533+/-322.990 χ^2/NDF: 28.9/25

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

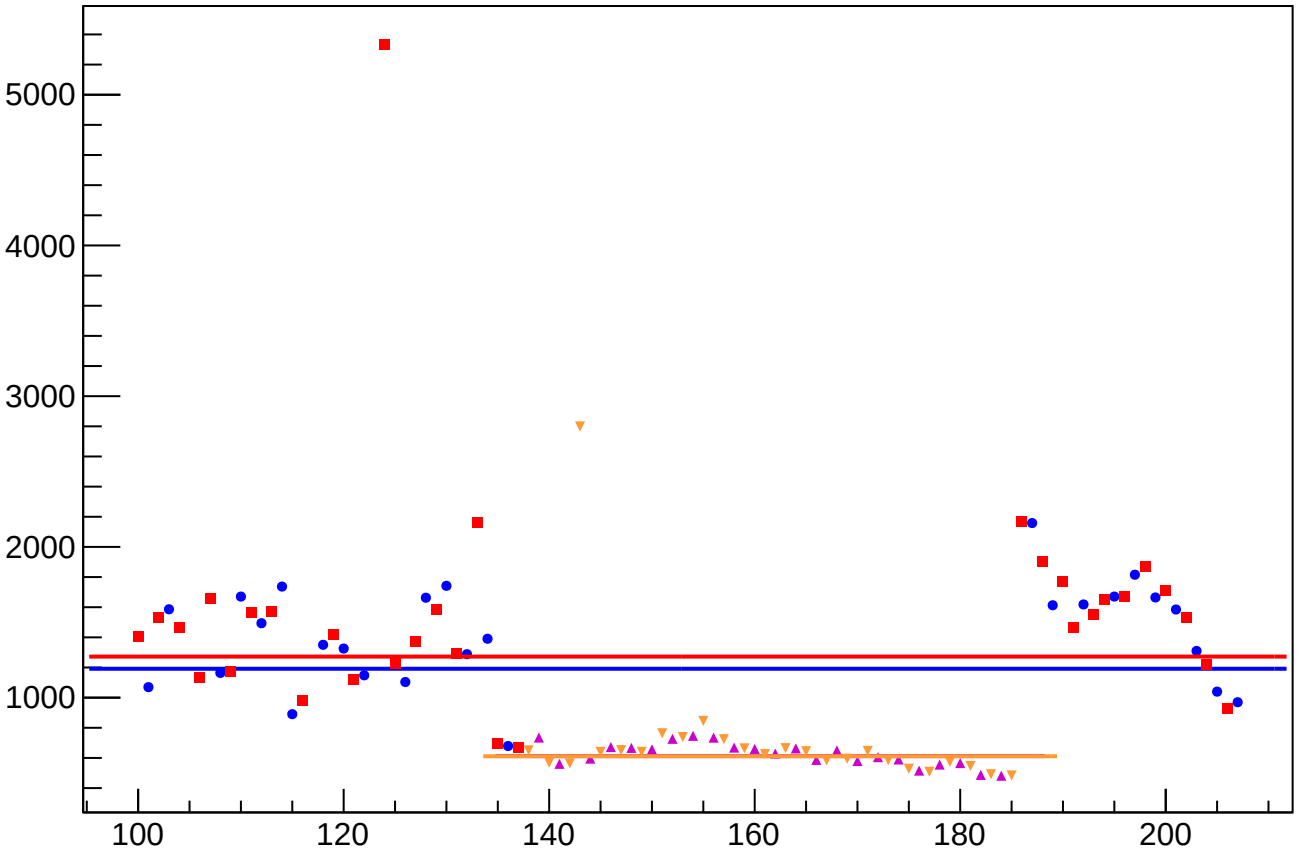
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 241.962+/-230.855 χ^2/NDF: 68.3/56

In: 89.719+/-131.698 χ^2/NDF:66.2/48

Out: 400.838+/-130.543 χ^2/NDF:94.5/55

All: 246.649+/-92.713 χ^2/NDF: 163.4/104



Right In: 1191.701+/-0.228 χ^2/NDF: 2498338.8/25

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

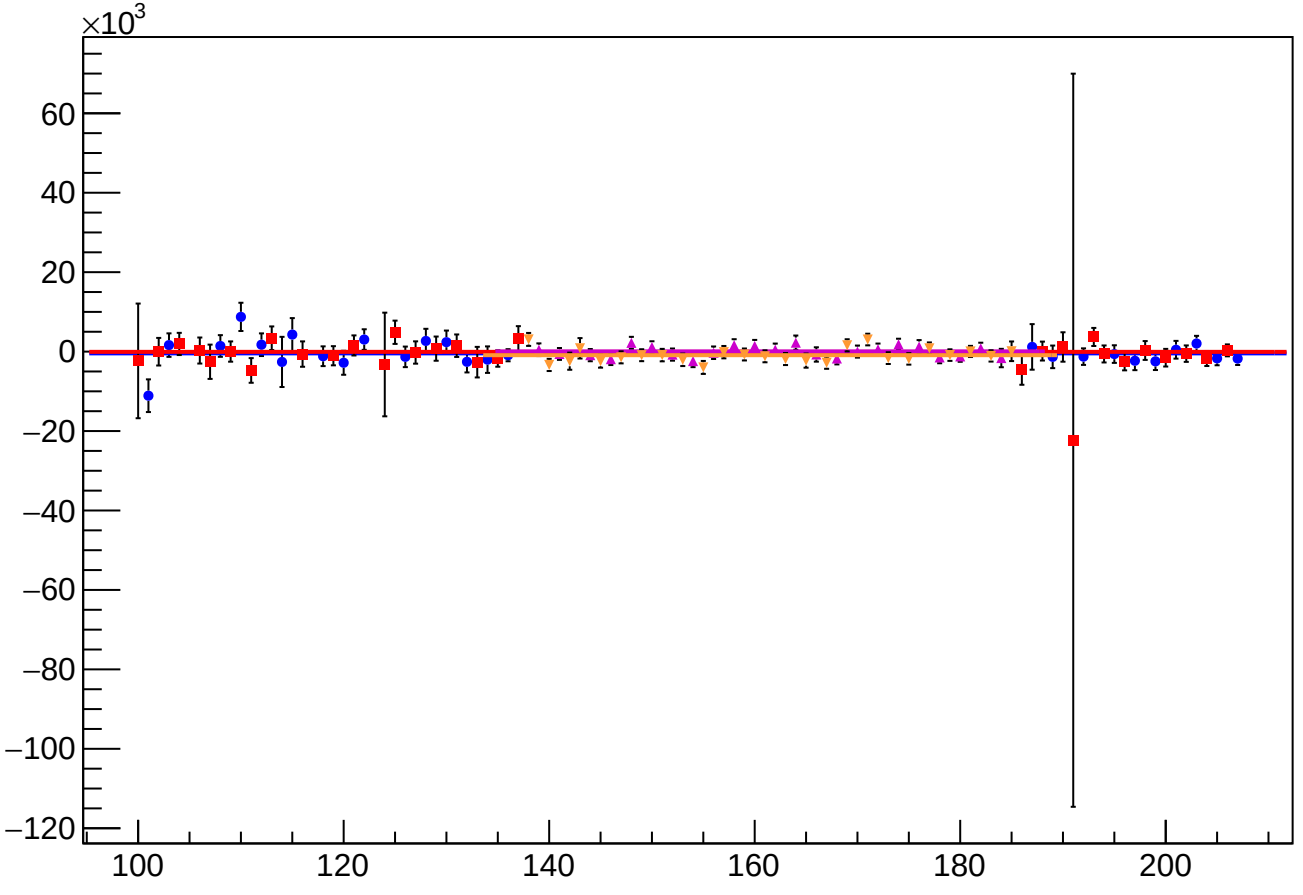
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1231.193+/-0.163 χ^2/NDF: 5459498.6/56

In: 708.711+/-0.093 χ^2/NDF:8371013.4/48

Out: 714.527+/-0.092 χ^2/NDF:11292351.9/55

All: 711.645+/-0.066 χ^2/NDF: 19665333.1/10



Right In: -443.464+/-487.657 χ^2/NDF: 26.7/25

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

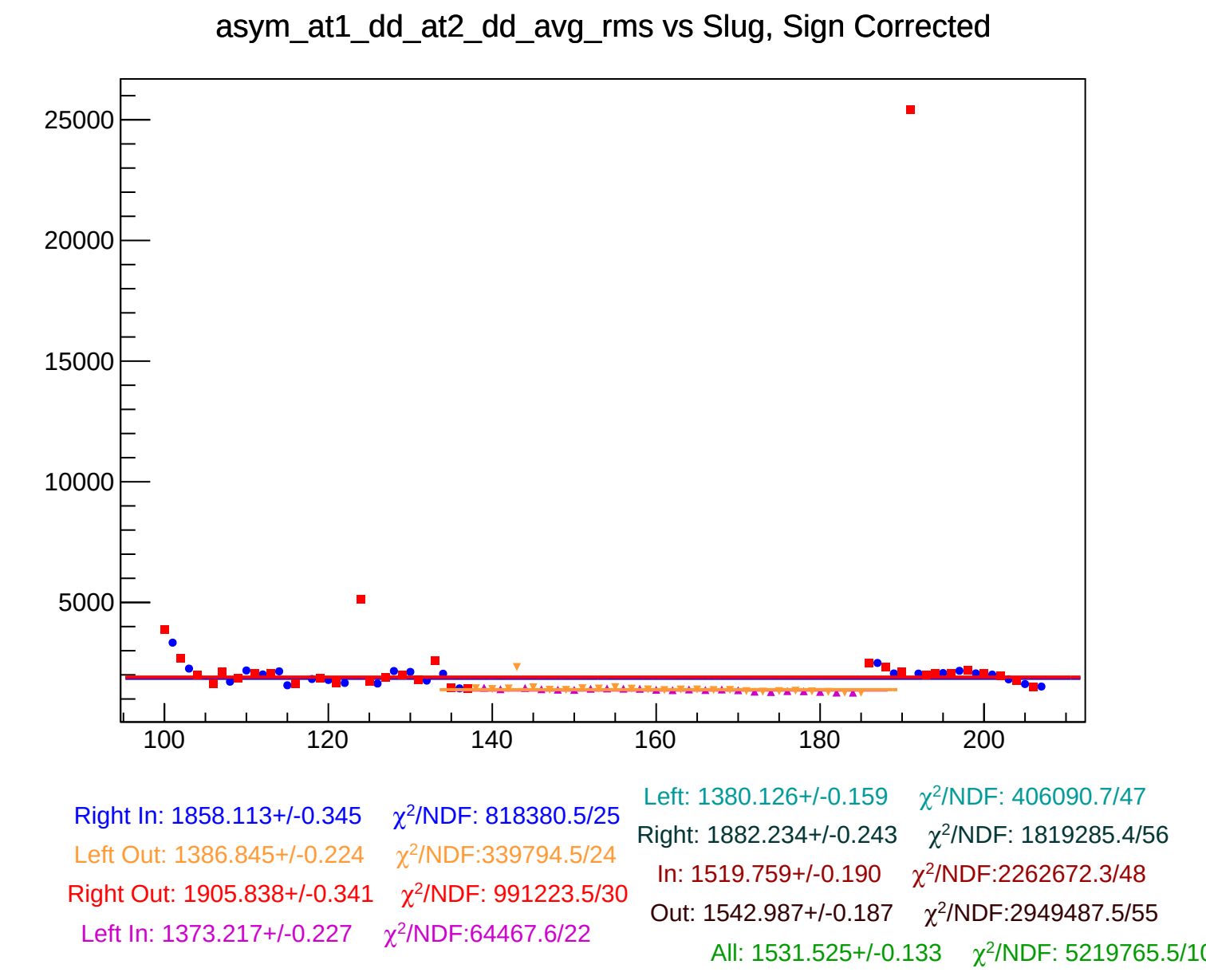
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

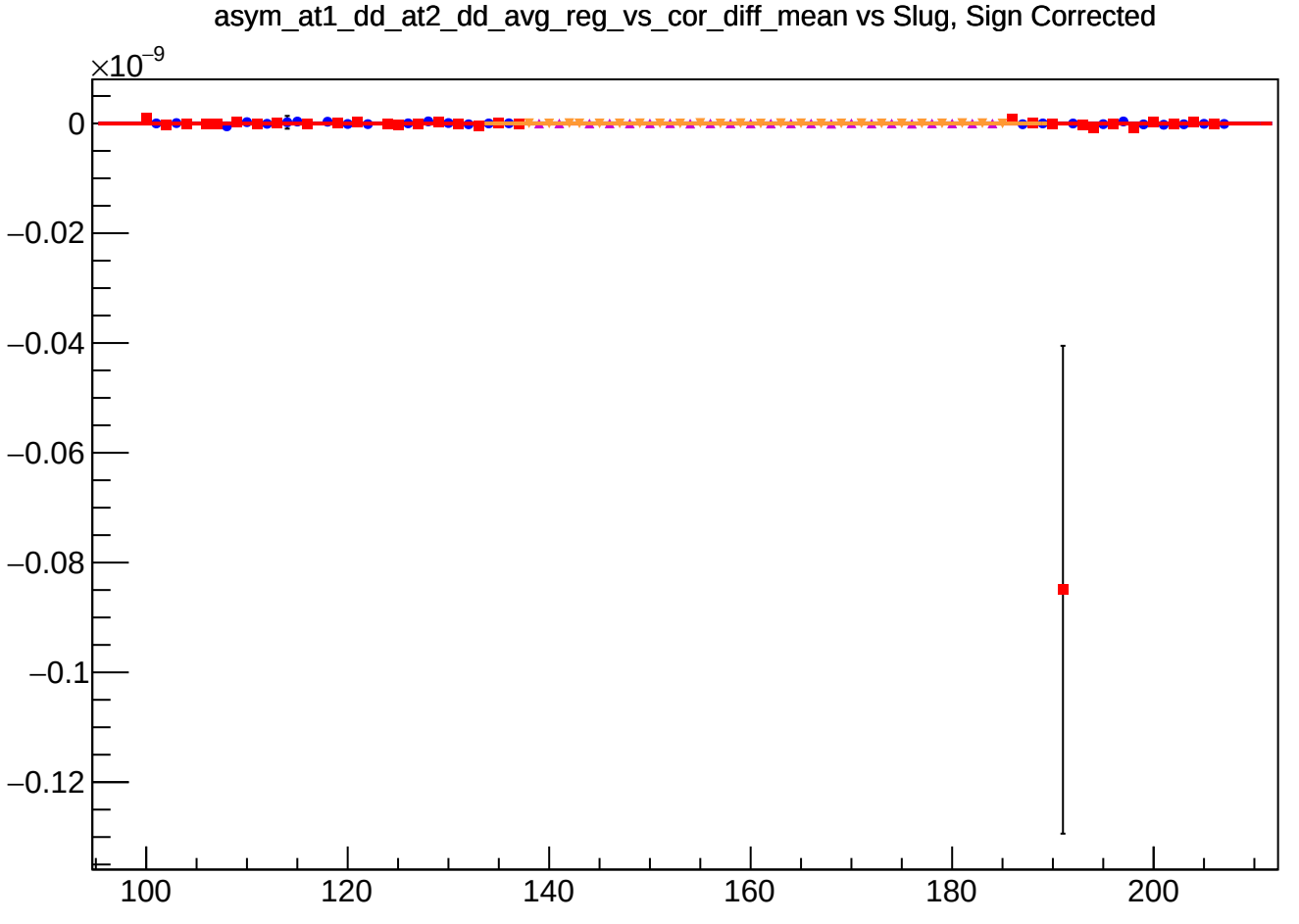
Right: -249.708+/-342.953 χ^2/NDF: 44.2/56

In: -100.402+/-268.084 χ^2/NDF:45.3/48

Out: -647.241+/-264.599 χ^2/NDF:49.2/55

All: -377.399+/-188.320 χ^2/NDF: 96.5/104


asym_at1_dd_at2_dd_avg_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 1858.113+/-0.345 χ²/NDF: 818380.5/25
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: 1882.234+/-0.243 χ²/NDF: 1819285.4/56
In: 1519.759+/-0.190 χ²/NDF:2262672.3/48
Out: 1542.987+/-0.187 χ²/NDF:2949487.5/55
All: 1531.525+/-0.133 χ²/NDF: 5219765.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/25

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

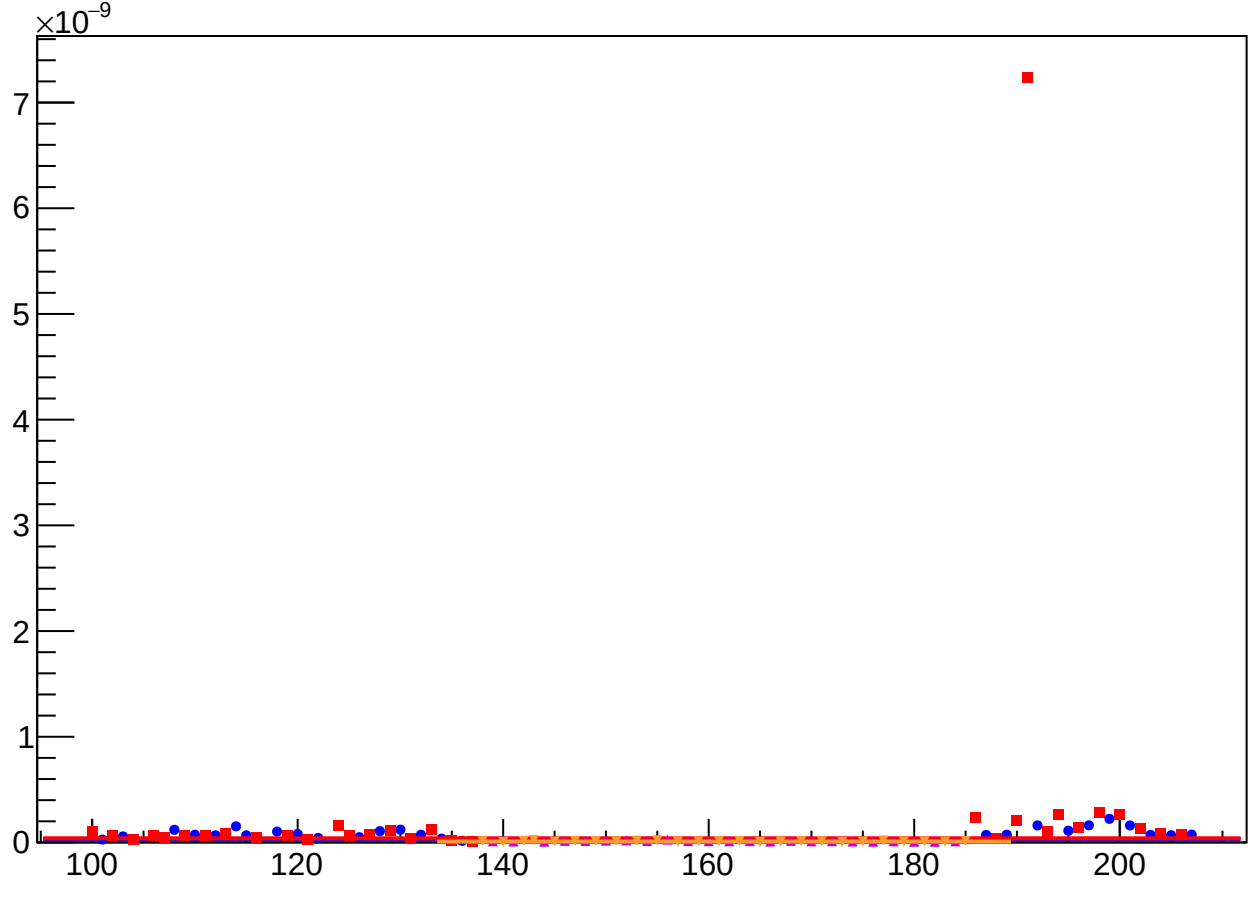
Right: -0.000+/-0.000 χ^2/NDF: 70.3/56

In: 0.000+/-0.000 χ^2/NDF:36.6/48

Out: 0.000+/-0.000 χ^2/NDF:72.3/55

All: 0.000+/-0.000 χ^2/NDF: 108.9/104

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5862367.9/25

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

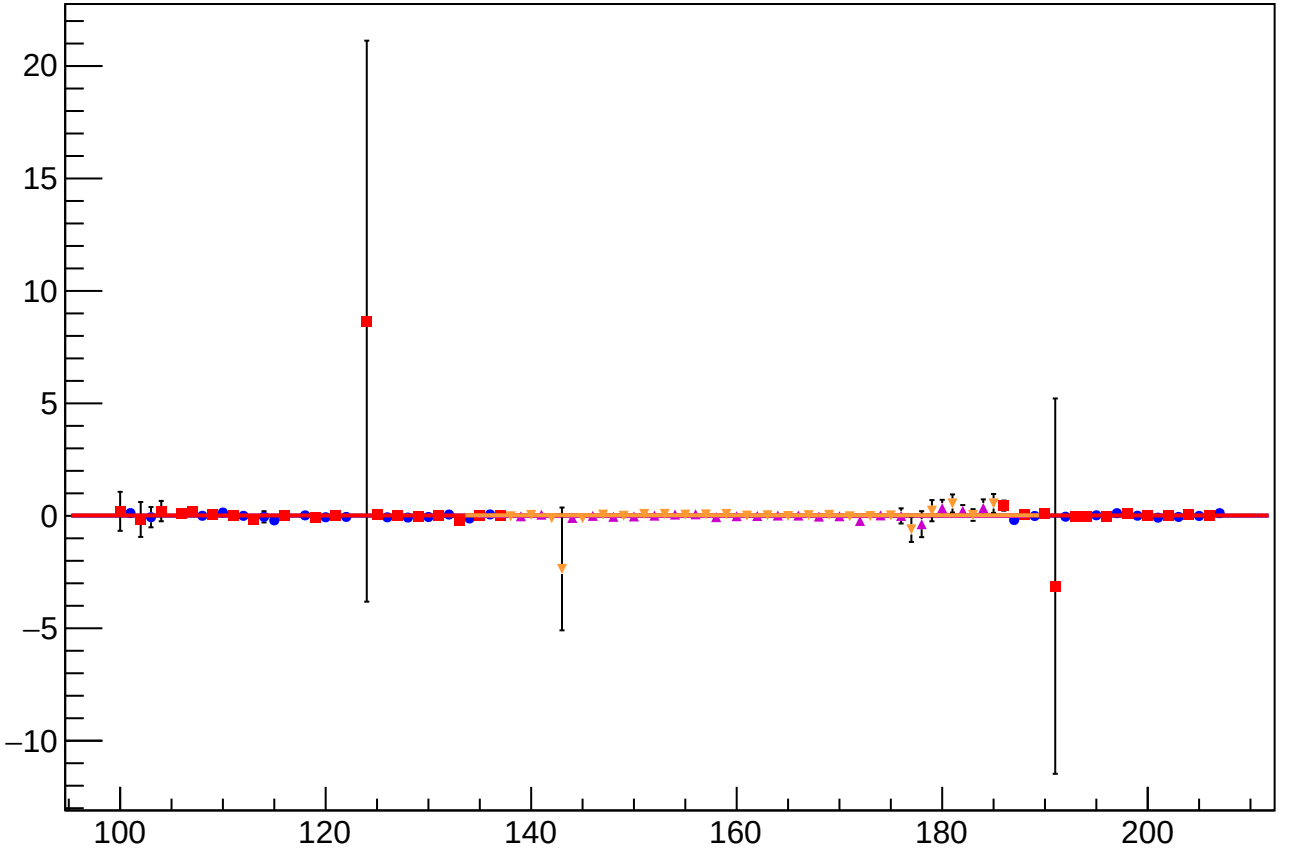
Right: 0.000+/-0.000 χ^2/NDF: 12386932.9/56

In: 0.000+/-0.000 χ^2/NDF:10168811.2/48

Out: 0.000+/-0.000 χ^2/NDF:12999438.4/55

All: 0.000+/-0.000 χ^2/NDF: 23459830.5/104

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 42.1/25

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

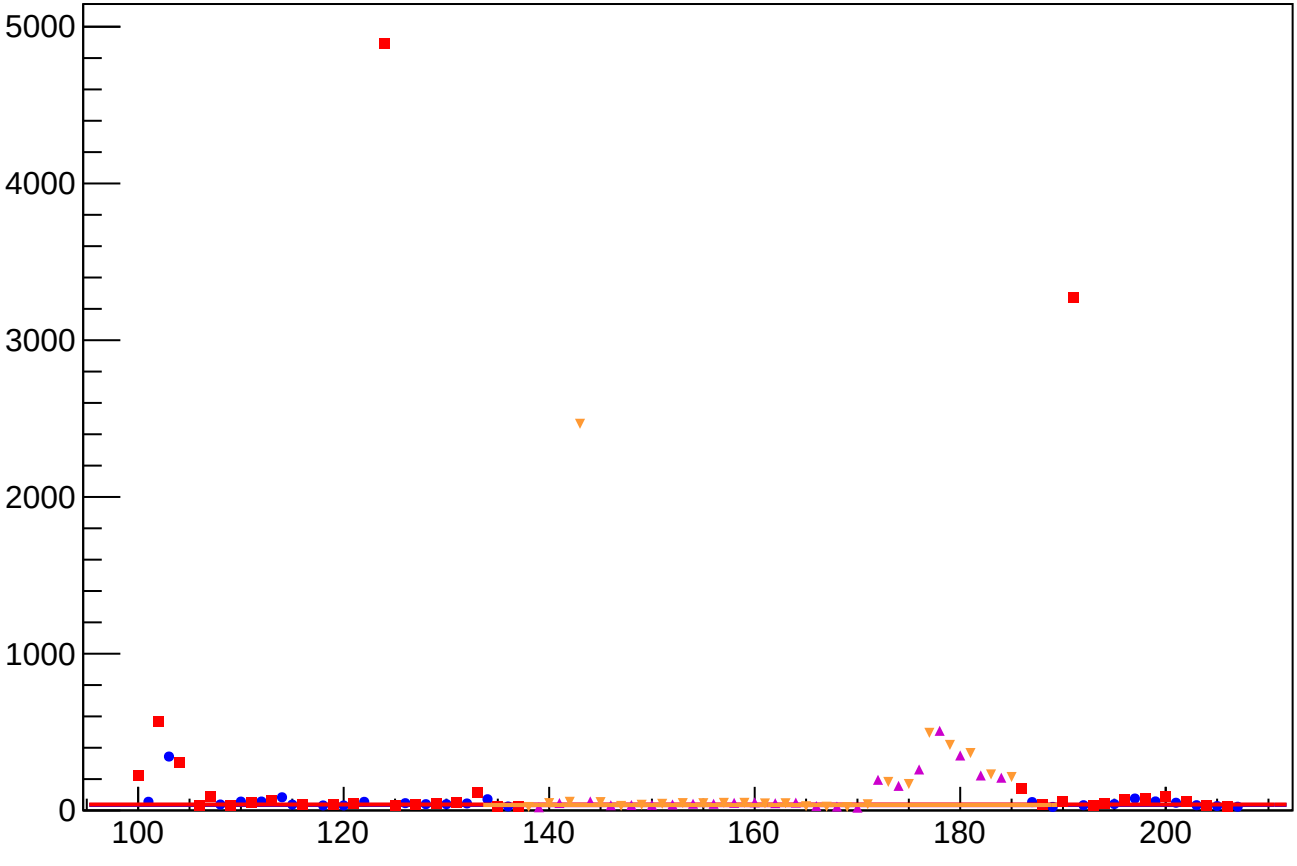
Right: 0.012+/-0.008 χ^2/NDF: 64.9/56

In: -0.001+/-0.007 χ^2/NDF:58.5/48

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/104

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.048+/-0.007 χ^2/NDF: 3447880.8/25

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

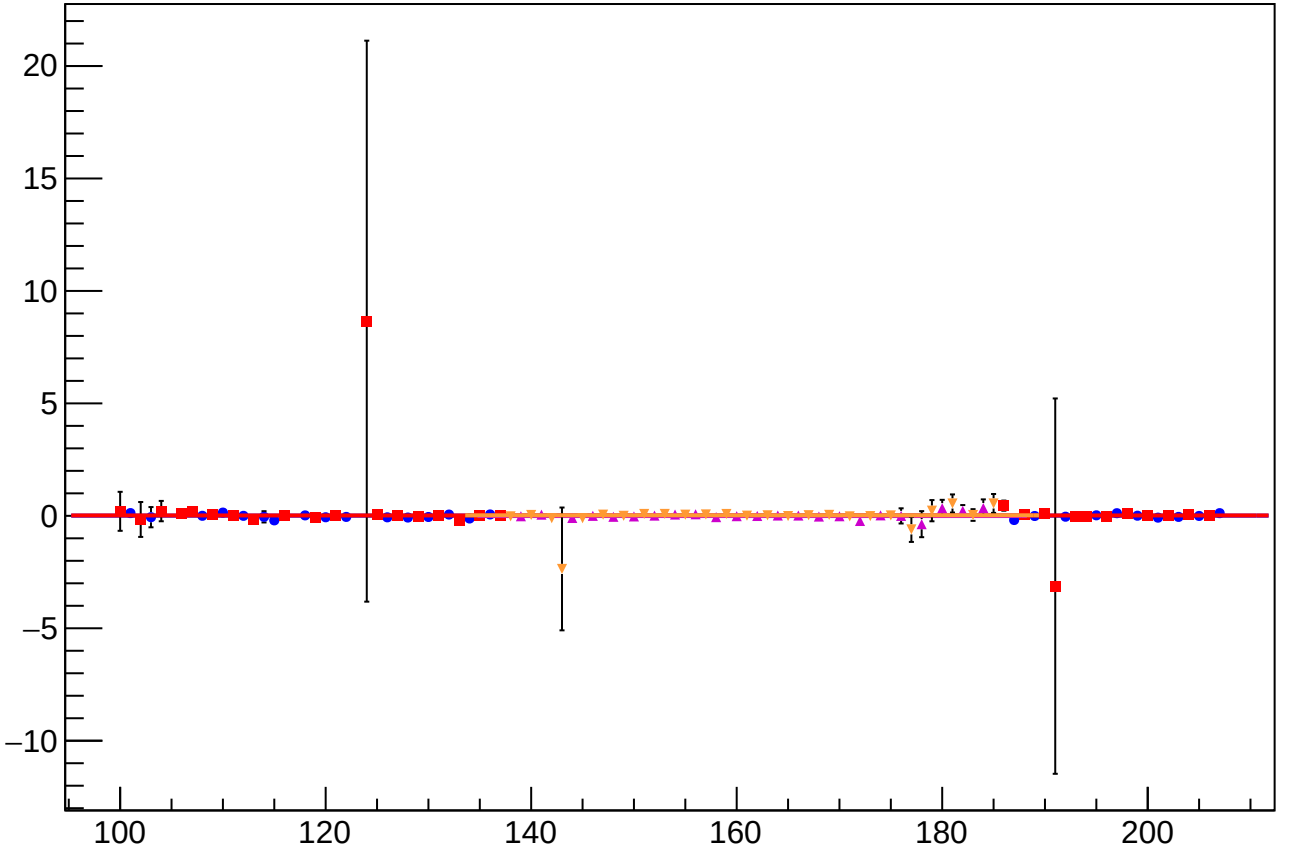
Right: 36.446+/-0.005 χ^2/NDF: 9368950.0/56

In: 34.277+/-0.005 χ^2/NDF:13535525.9/48

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 35.175+/-0.004 χ^2/NDF: 30949581.6/104

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 42.1/25

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

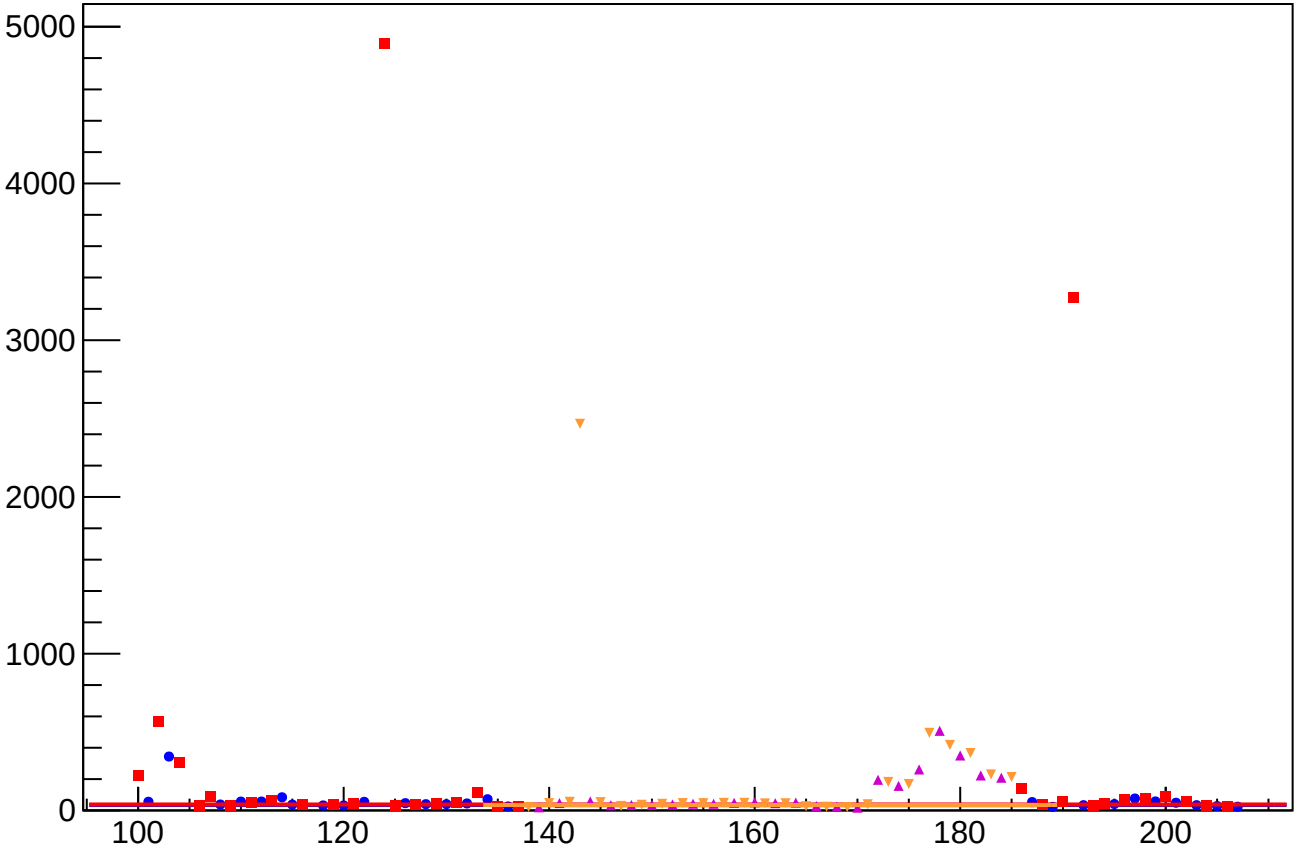
Right: 0.012+/-0.008 χ^2/NDF: 64.9/56

In: -0.001+/-0.007 χ^2/NDF:58.5/48

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/104

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.048+/-0.007 χ^2/NDF: 3447880.8/25

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

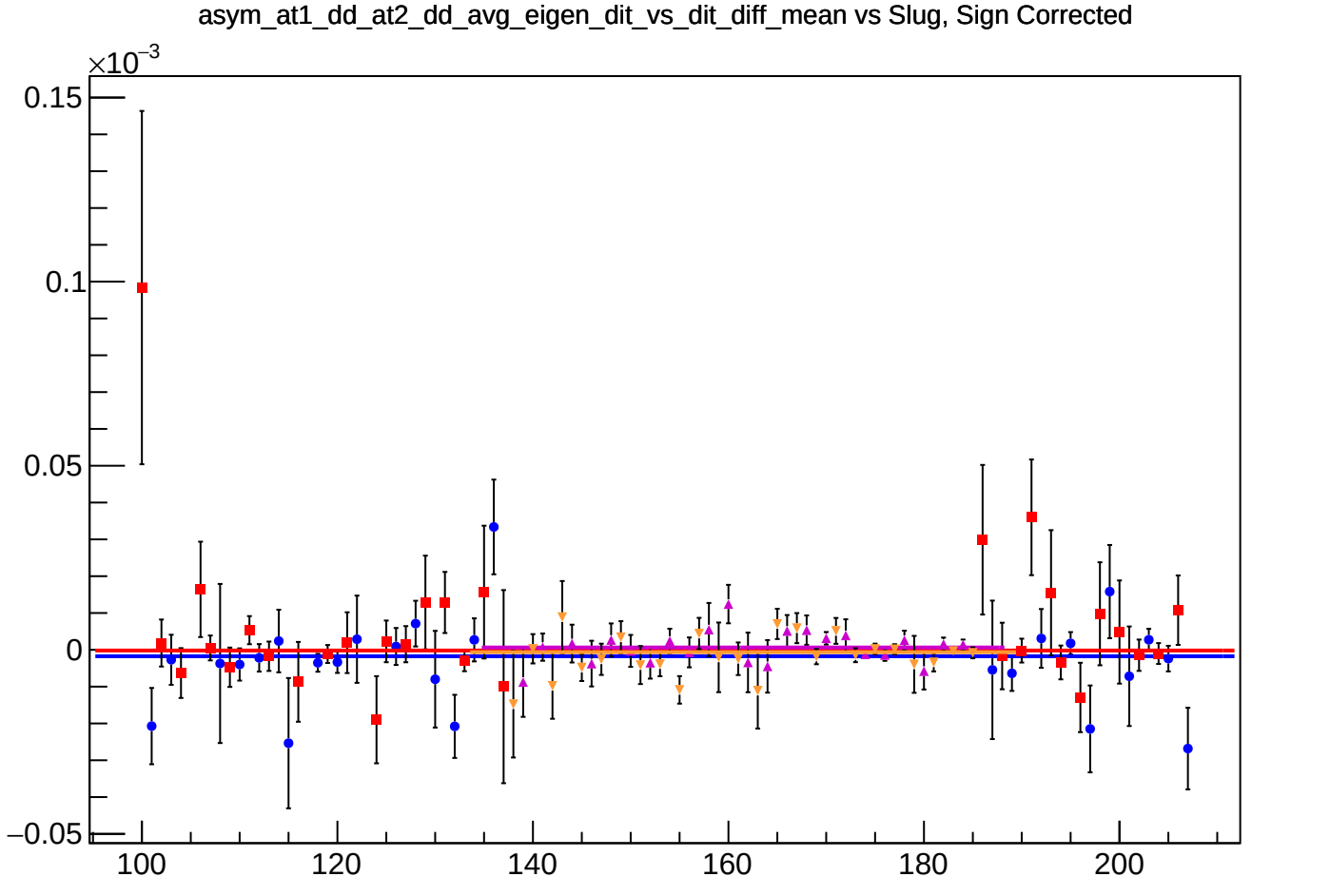
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 36.446+/-0.005 χ^2/NDF: 9368950.0/56

In: 34.277+/-0.005 χ^2/NDF:13535525.9/48

Out: 36.162+/-0.005 χ^2/NDF:17349395.3/55

All: 35.175+/-0.004 χ^2/NDF: 30949581.6/104



Right In: -0.000+/-0.000 χ^2/NDF: 37.2/25

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

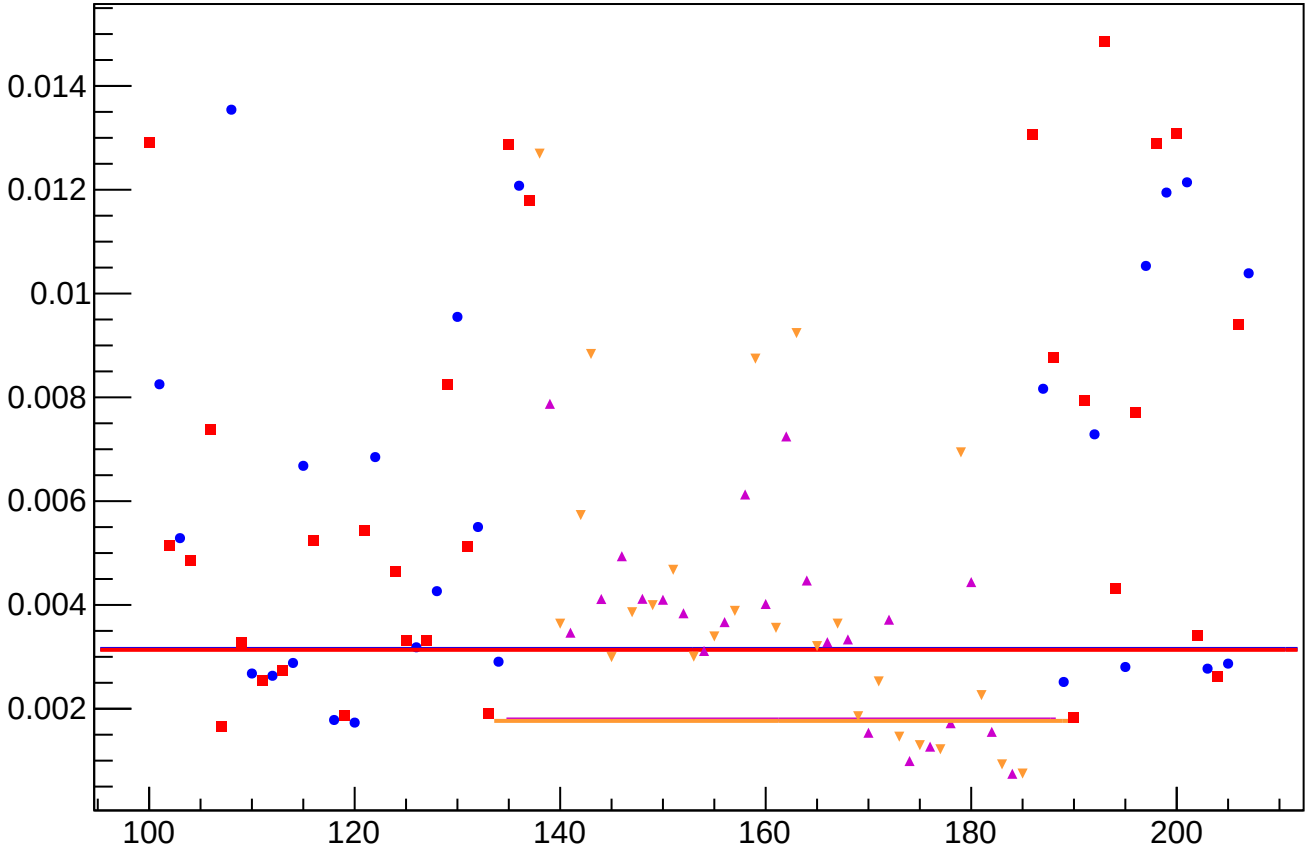
Right: -0.000+/-0.000 χ^2/NDF: 70.2/56

In: 0.000+/-0.000 χ^2/NDF:63.4/48

Out: -0.000+/-0.000 χ^2/NDF:60.3/55

All: -0.000+/-0.000 χ^2/NDF: 124.6/104

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: 8513702.9/25

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

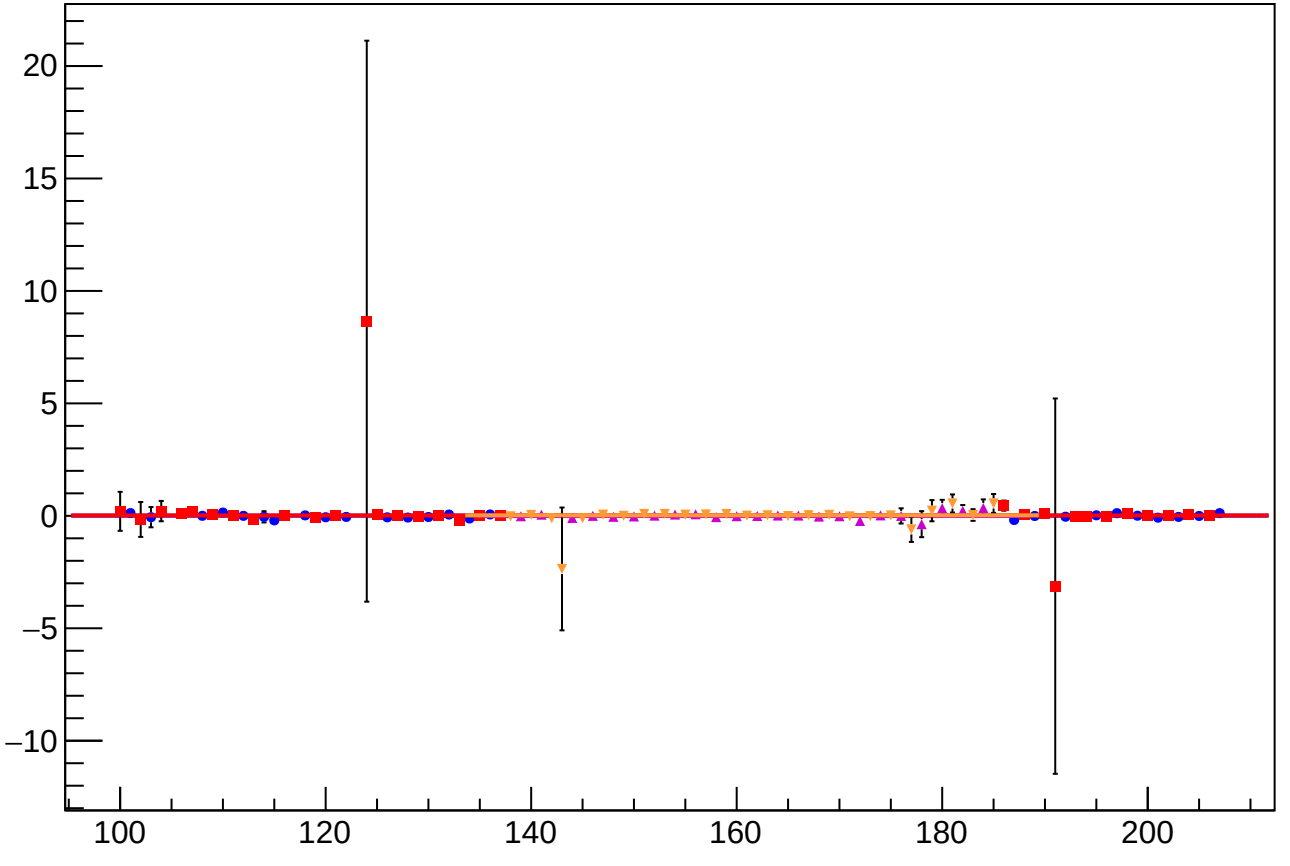
Right: 0.003+/-0.000 χ^2/NDF: 18272569.6/56

In: 0.002+/-0.000 χ^2/NDF:22085065.7/48

Out: 0.002+/-0.000 χ^2/NDF:25890982.3/55

All: 0.002+/-0.000 χ^2/NDF: 47979098.1/104

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 42.1/25

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

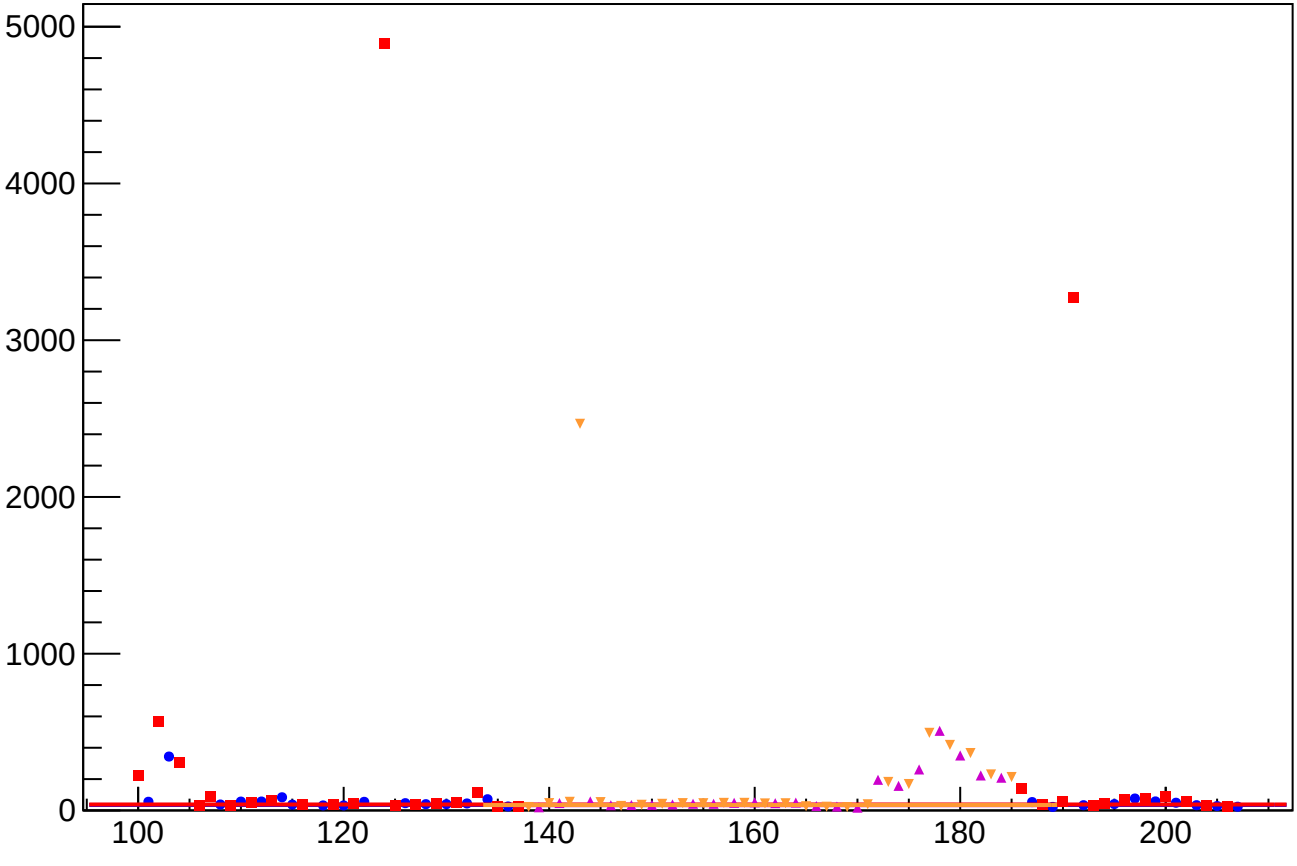
Right: 0.012+/-0.008 χ^2/NDF: 64.9/56

In: -0.001+/-0.007 χ^2/NDF:58.5/48

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/104

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.052+/-0.007 χ^2/NDF: 3446499.3/25

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

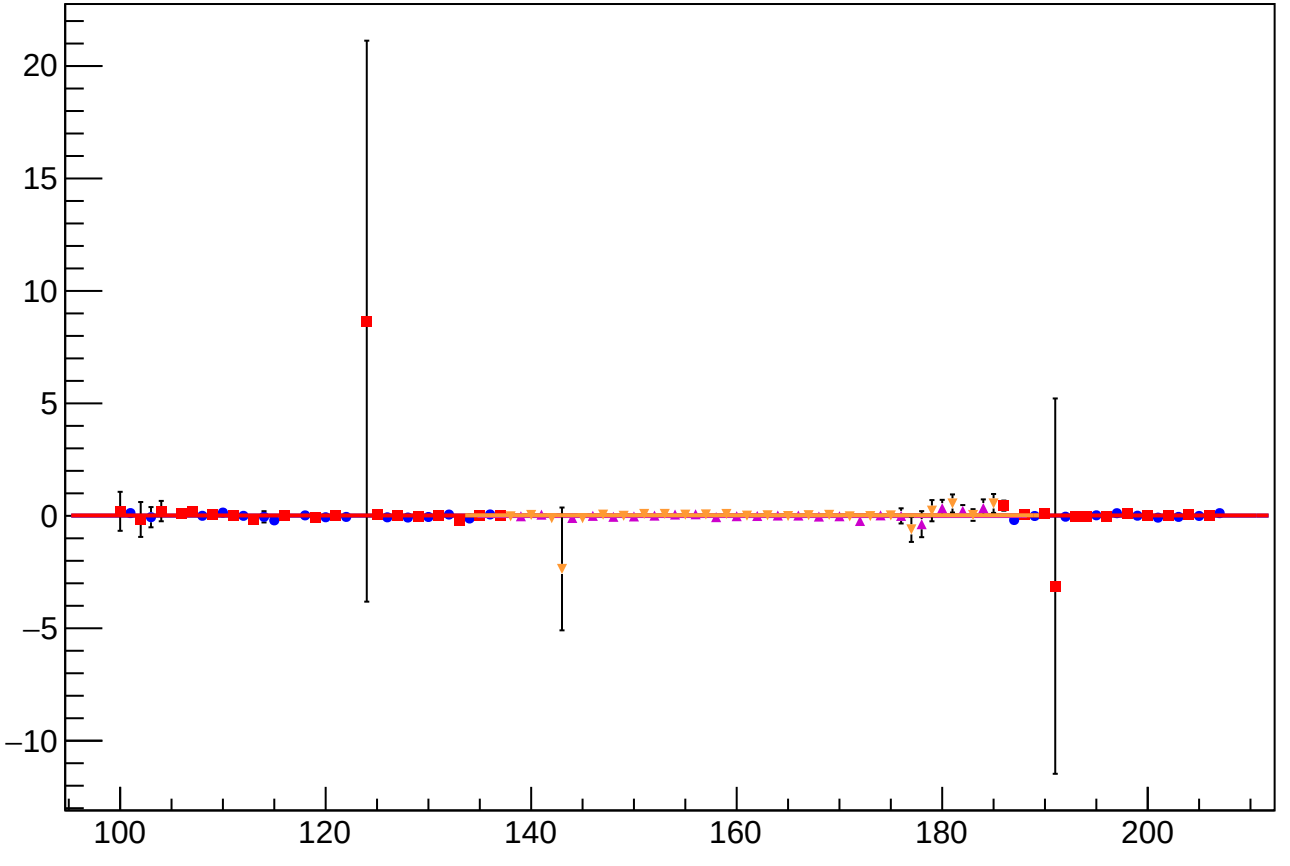
Right: 36.449+/-0.005 χ^2/NDF: 9367117.6/56

In: 34.280+/-0.005 χ^2/NDF:13532903.2/48

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 35.176+/-0.004 χ^2/NDF: 30946663.0/104

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.011 χ^2/NDF: 42.1/25

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

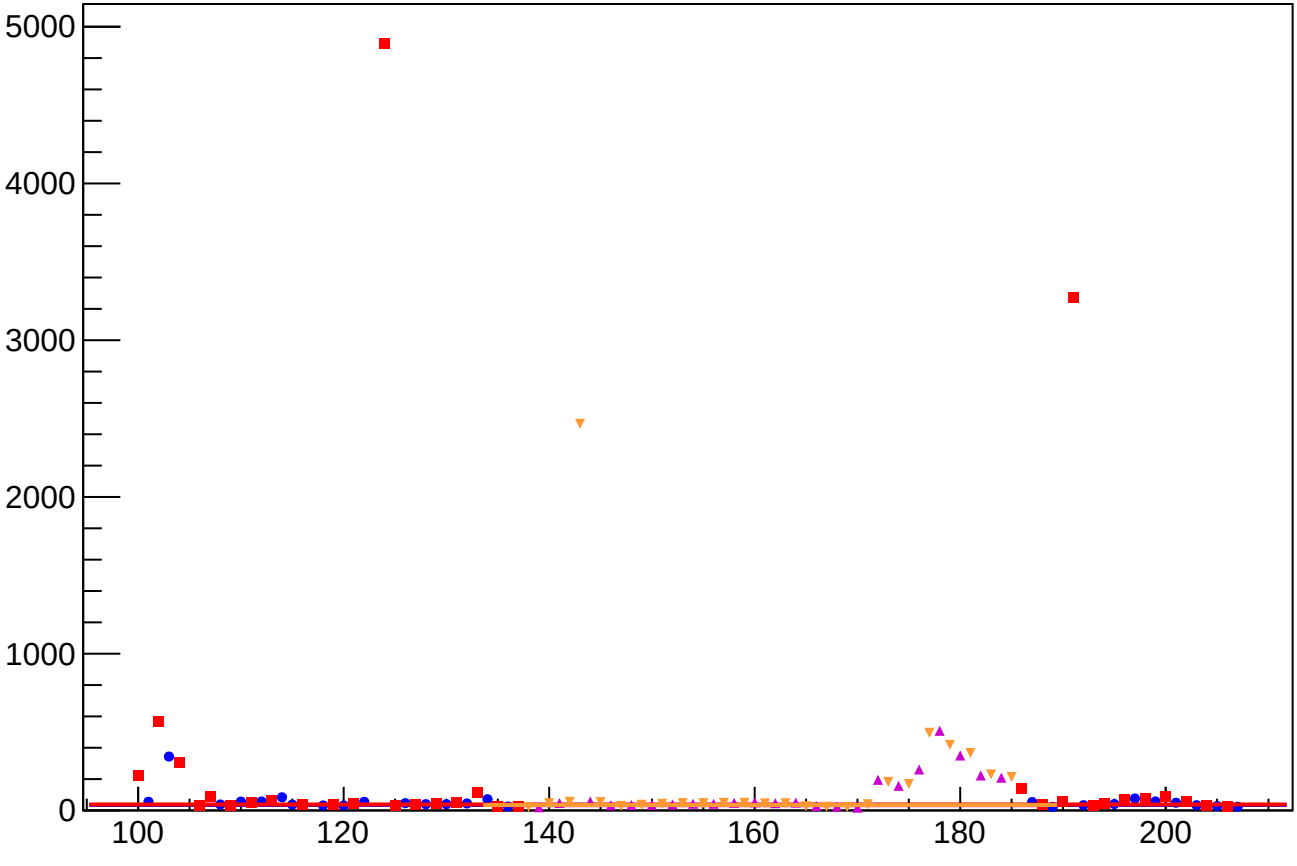
Right: 0.012+/-0.008 χ^2/NDF: 64.9/56

In: -0.001+/-0.007 χ^2/NDF:58.5/48

Out: 0.020+/-0.008 χ^2/NDF:45.5/55

All: 0.009+/-0.005 χ^2/NDF: 108.2/104

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 35.052+/-0.007 χ^2/NDF: 3446499.3/25

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

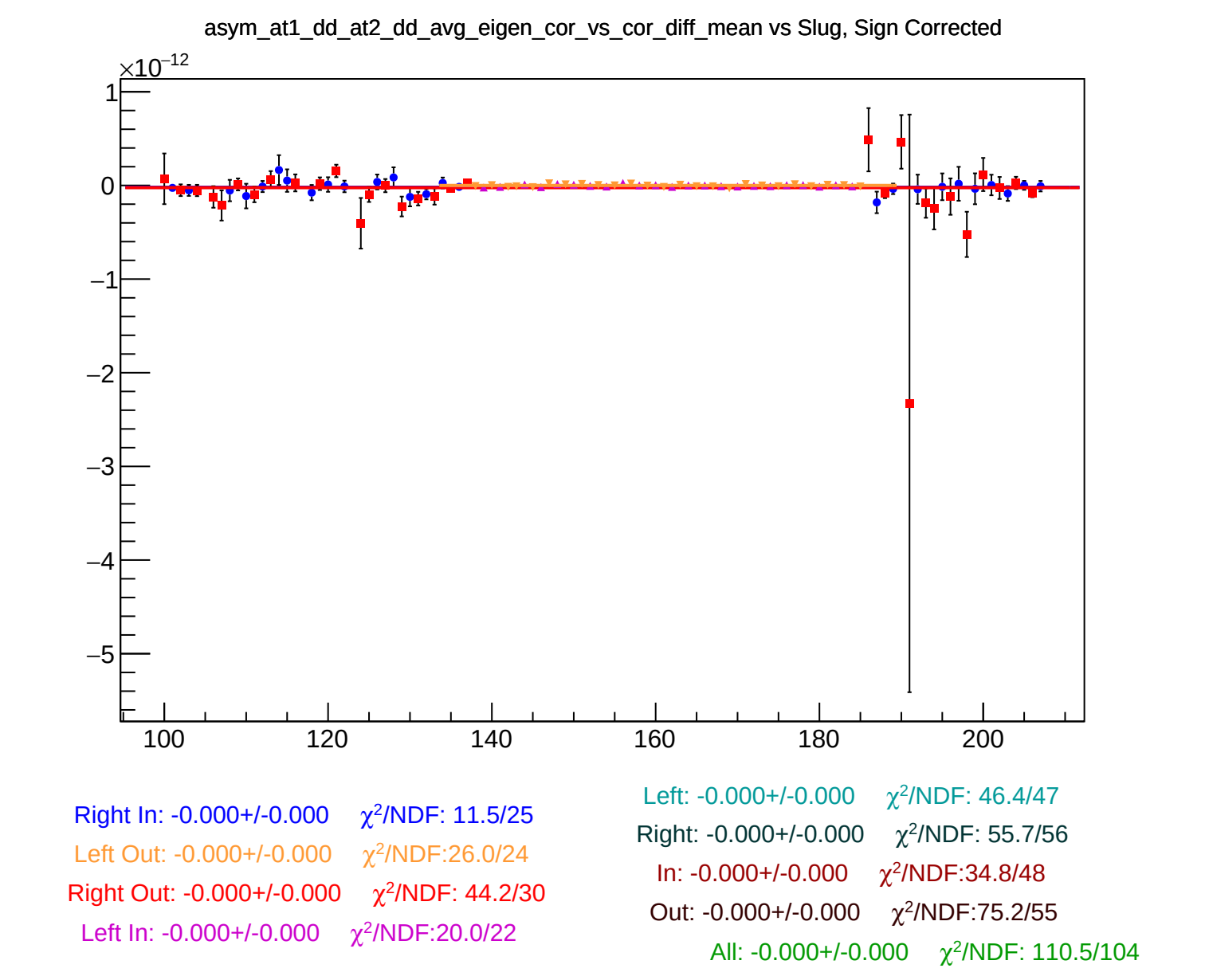
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

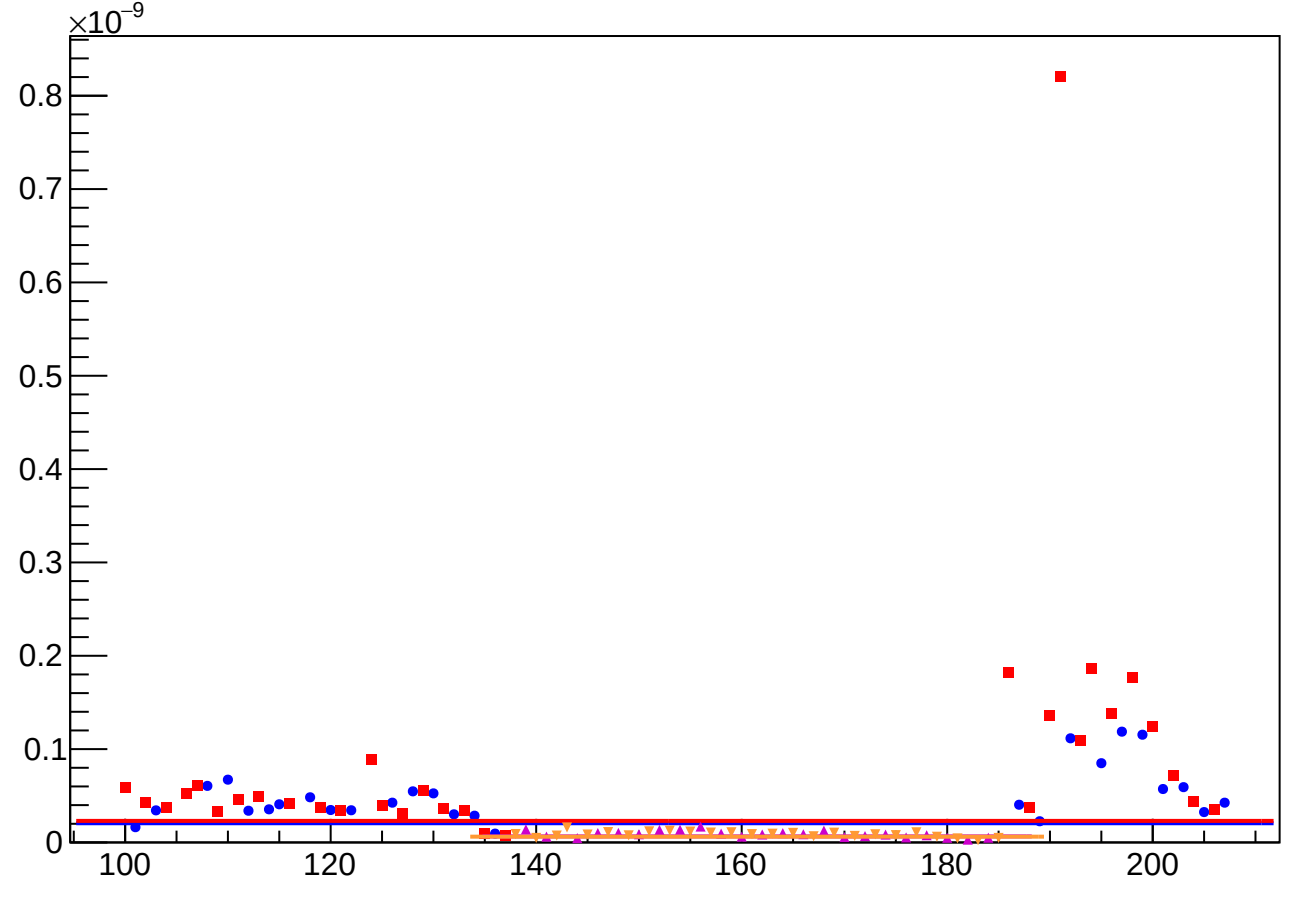
Right: 36.449+/-0.005 χ^2/NDF: 9367117.6/56

In: 34.280+/-0.005 χ^2/NDF:13532903.2/48

Out: 36.162+/-0.005 χ^2/NDF:17349300.9/55

All: 35.176+/-0.004 χ^2/NDF: 30946663.0/104


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: 11.5/25
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: 55.7/56
In: -0.000+/-0.000 χ²/NDF:34.8/48
Out: -0.000+/-0.000 χ²/NDF:75.2/55
All: -0.000+/-0.000 χ²/NDF: 110.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 7012248.6/25

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

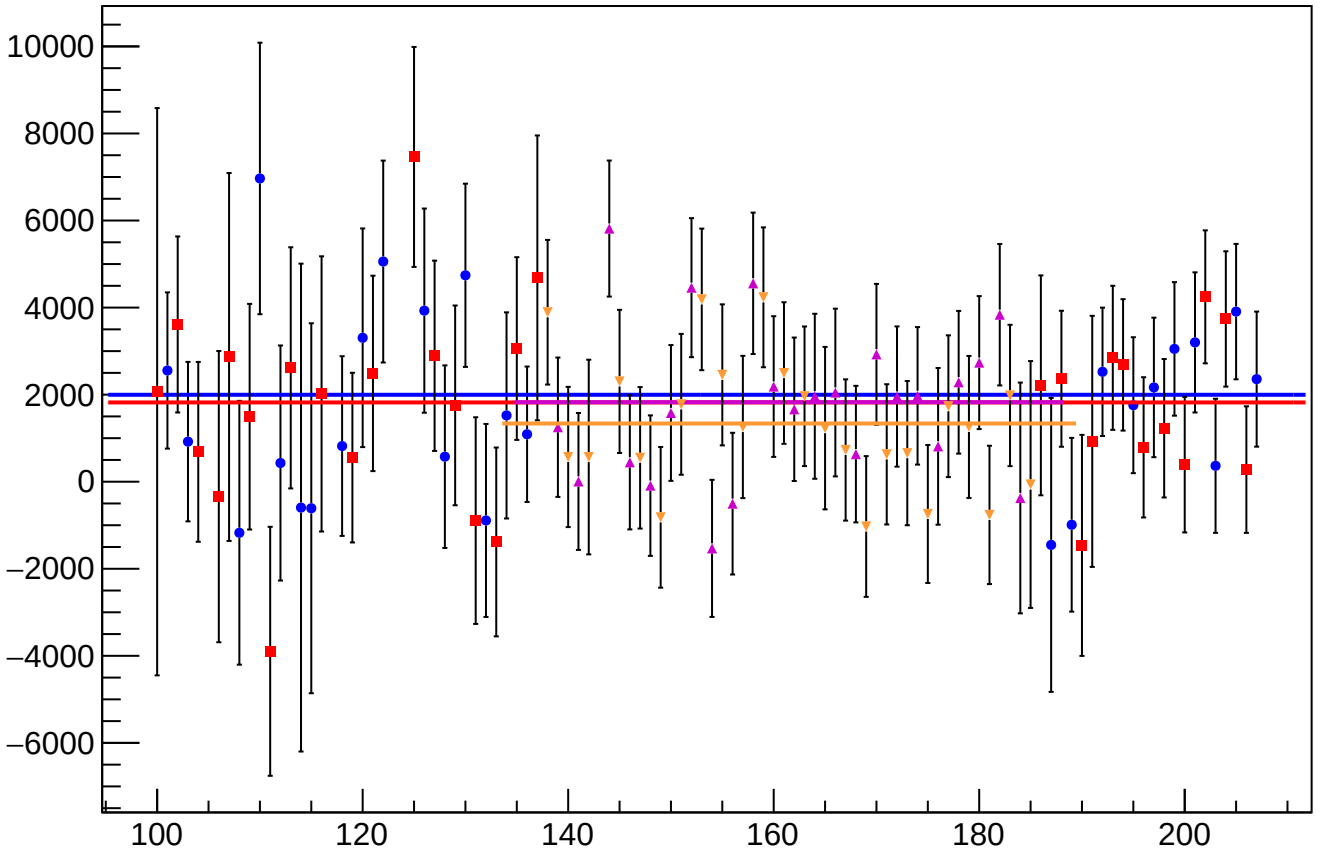
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16683825.6/56

In: 0.000+/-0.000 χ^2/NDF:15446999.1/48

Out: 0.000+/-0.000 χ^2/NDF:19924978.9/55

All: 0.000+/-0.000 χ^2/NDF: 35403946.5/104



Right In: 1997.010+/-385.956 χ^2/NDF: 19.4/25

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

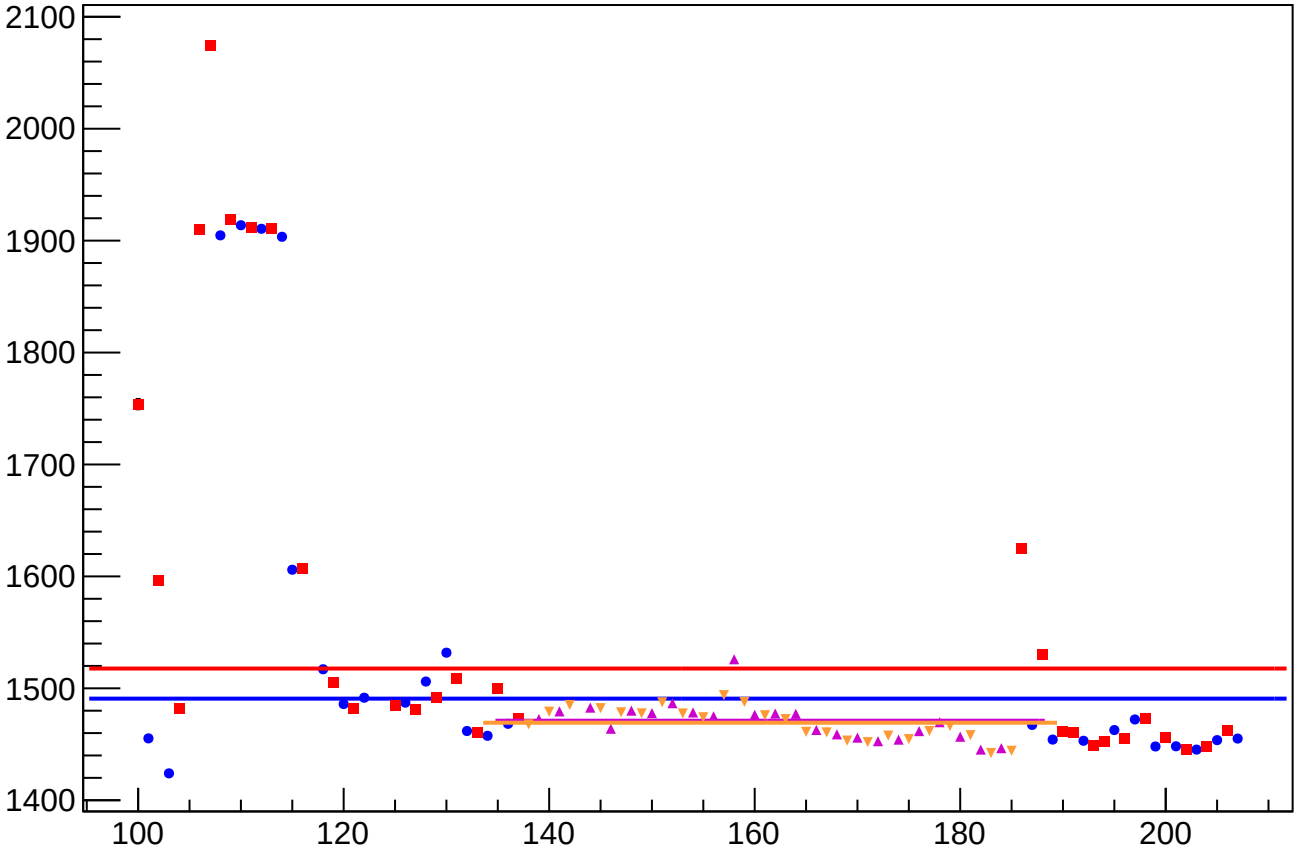
Right: 1906.912+/-269.728 χ^2/NDF: 44.7/55

In: 1901.915+/-256.587 χ^2/NDF:46.0/48

Out: 1554.695+/-252.932 χ^2/NDF:45.3/53

All: 1725.815+/-180.128 χ^2/NDF: 92.2/102

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1490.786+/-0.273 χ^2/NDF: 150440.7/25

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

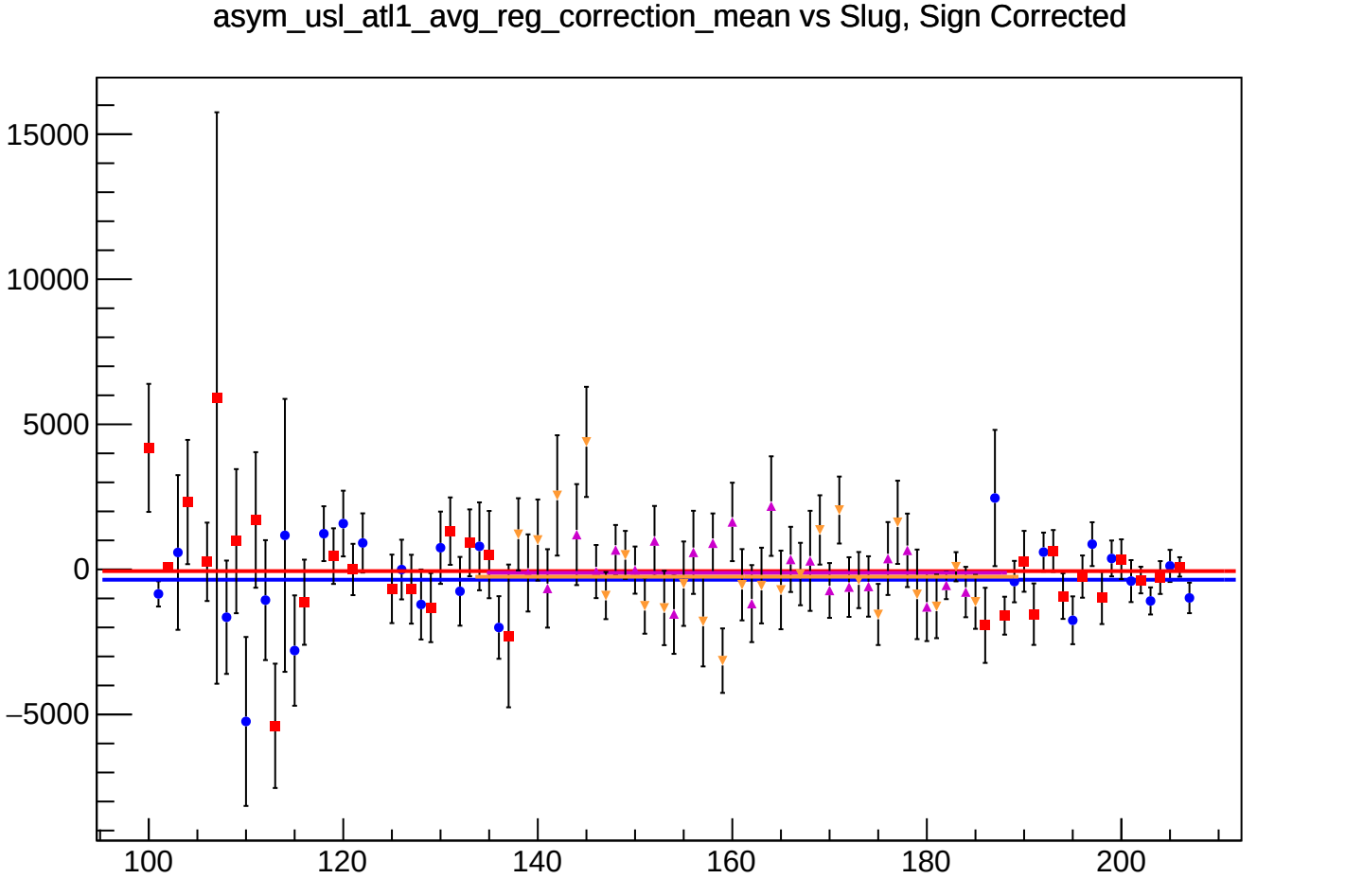
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1504.543+/-0.191 χ^2/NDF: 387281.8/55

In: 1479.775+/-0.181 χ^2/NDF:158000.2/48

Out: 1491.044+/-0.179 χ^2/NDF:253161.0/53

All: 1485.490+/-0.127 χ^2/NDF: 413118.0/102



Right In: -356.050+/-164.233 χ^2/NDF: 33.2/25

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

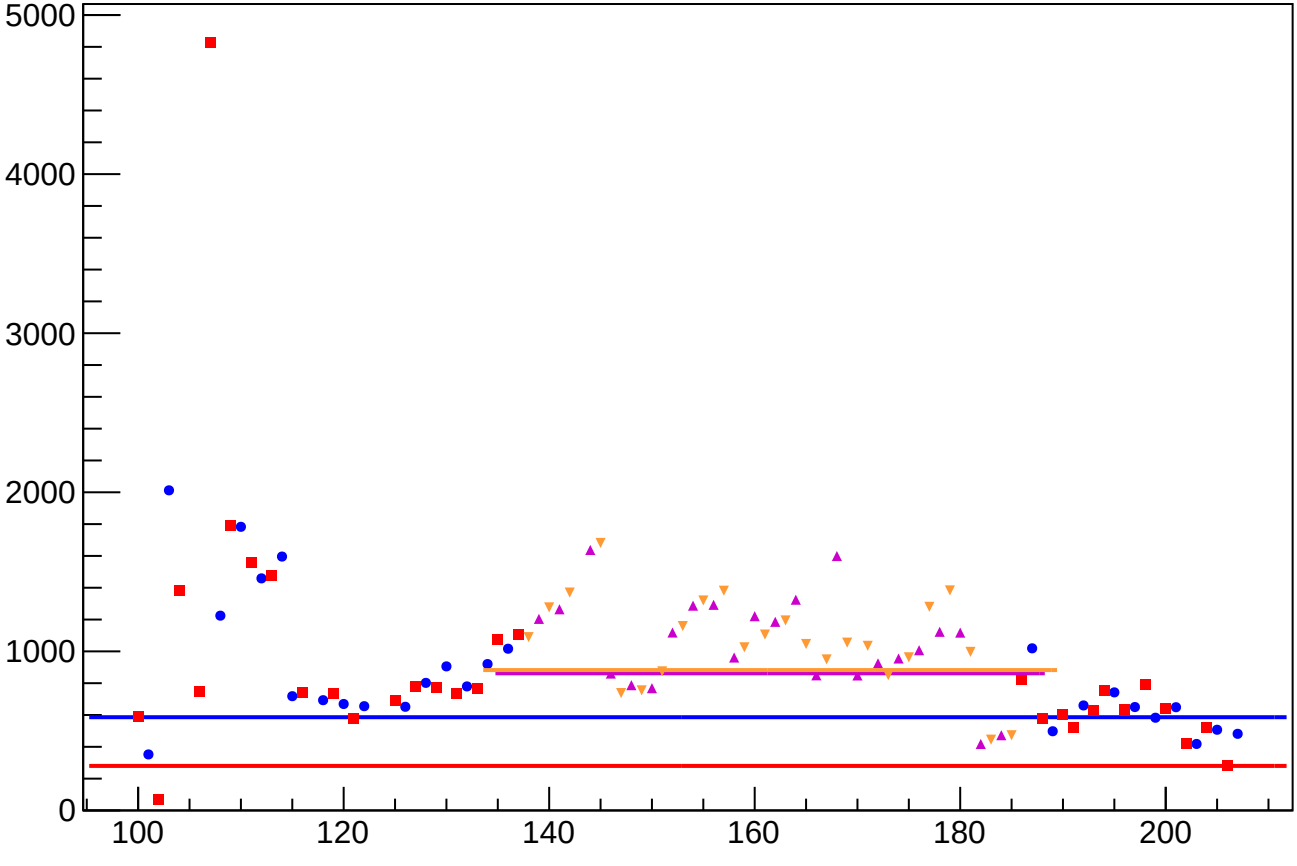
Right: -144.235+/-88.137 χ^2/NDF: 68.2/55

In: -269.492+/-130.729 χ^2/NDF:46.8/48

Out: -94.501+/-94.228 χ^2/NDF:66.0/53

All: -154.331+/-76.441 χ^2/NDF: 114.0/102

asym_usl_atl1_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 586.120+/-0.116 χ^2/NDF: 3480568.2/25

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

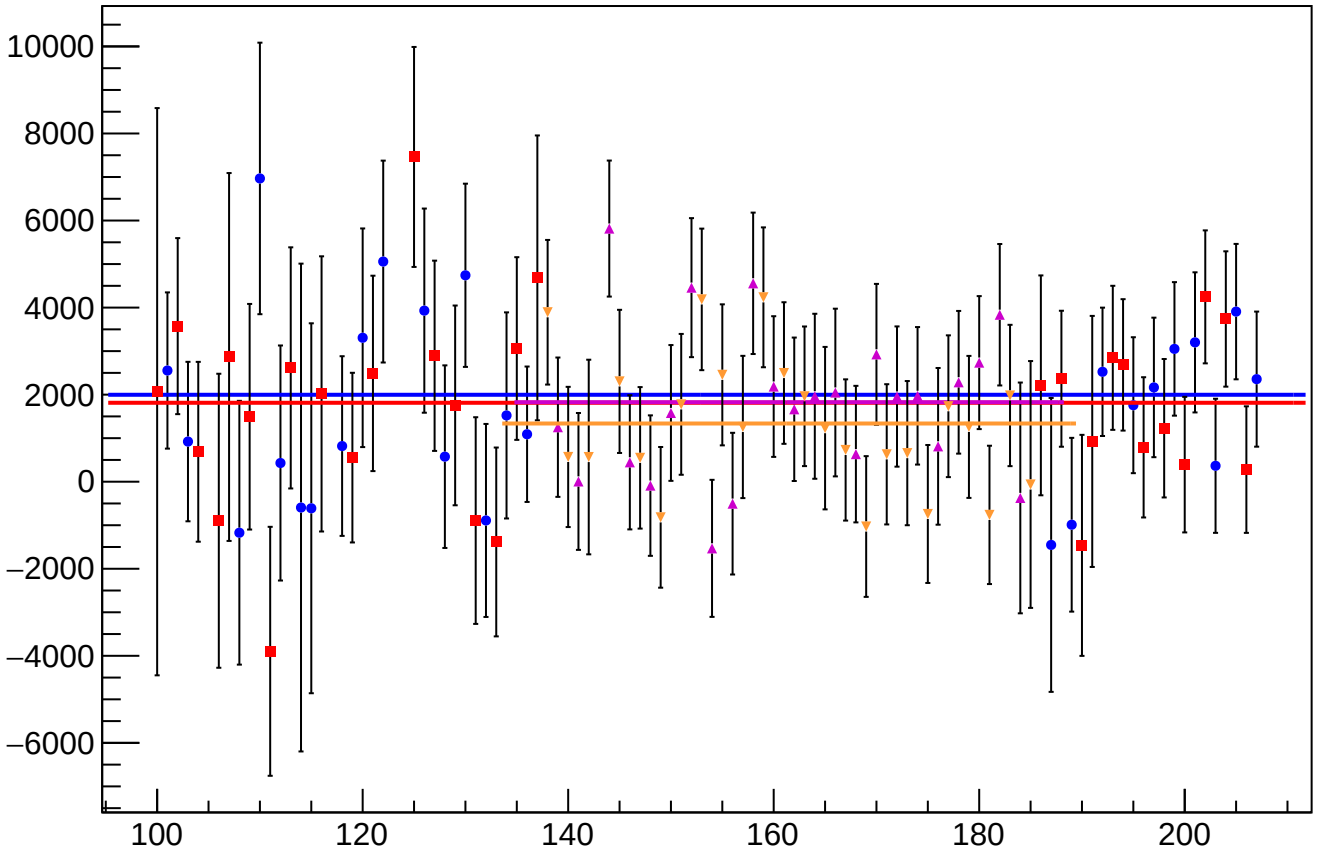
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 368.198+/-0.062 χ^2/NDF: 24012801.5/55

In: 687.308+/-0.092 χ^2/NDF:9922151.8/48

Out: 392.211+/-0.067 χ^2/NDF:31873104.0/53

All: 493.105+/-0.054 χ^2/NDF: 48501879.0/10



Right In: 1997.096+/-385.956 χ^2/NDF: 19.4/25

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

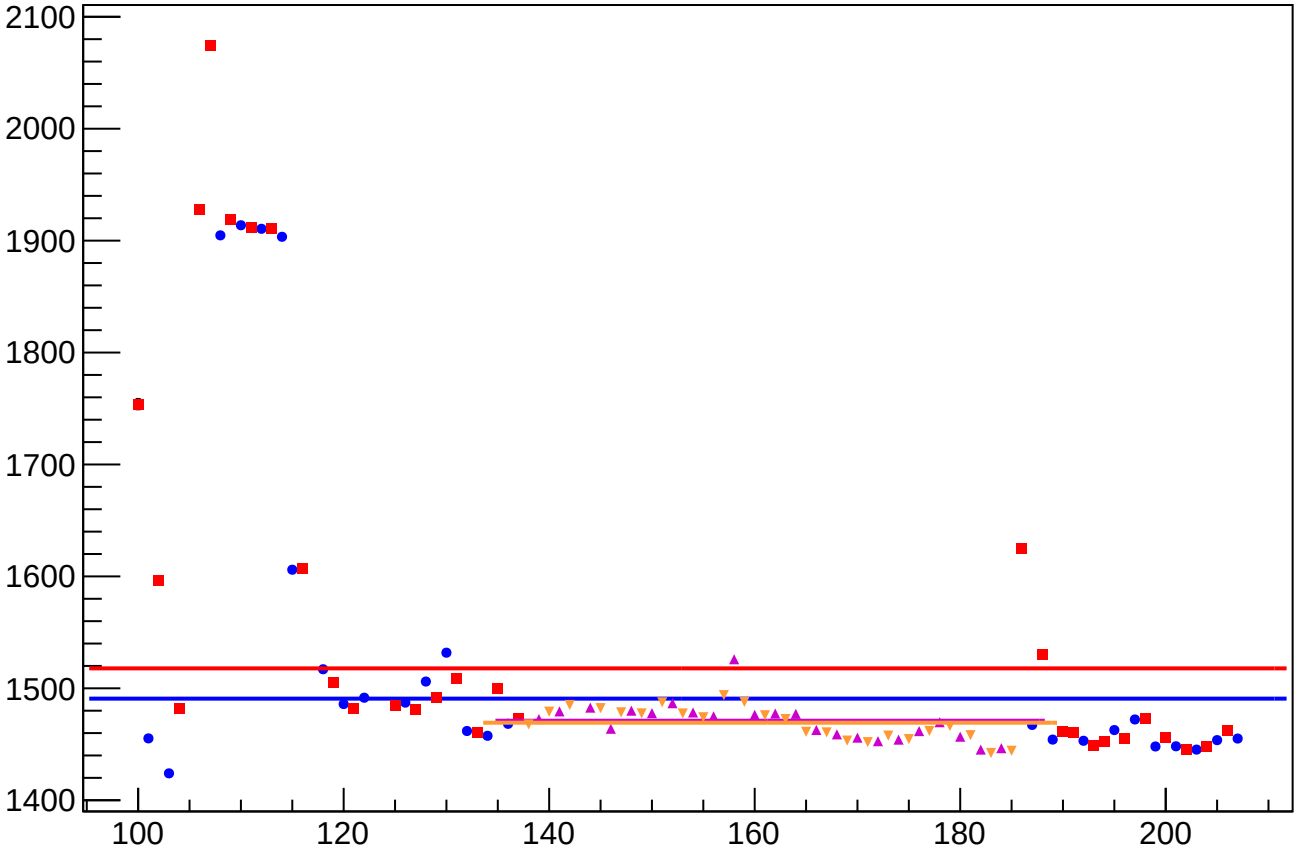
Right: 1903.010+/-269.745 χ^2/NDF: 44.9/55

In: 1901.979+/-256.587 χ^2/NDF:46.0/48

Out: 1551.193+/-252.946 χ^2/NDF:45.5/53

All: 1724.080+/-180.133 χ^2/NDF: 92.4/102

cor_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1490.786+/-0.273 χ^2/NDF: 150440.7/25

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

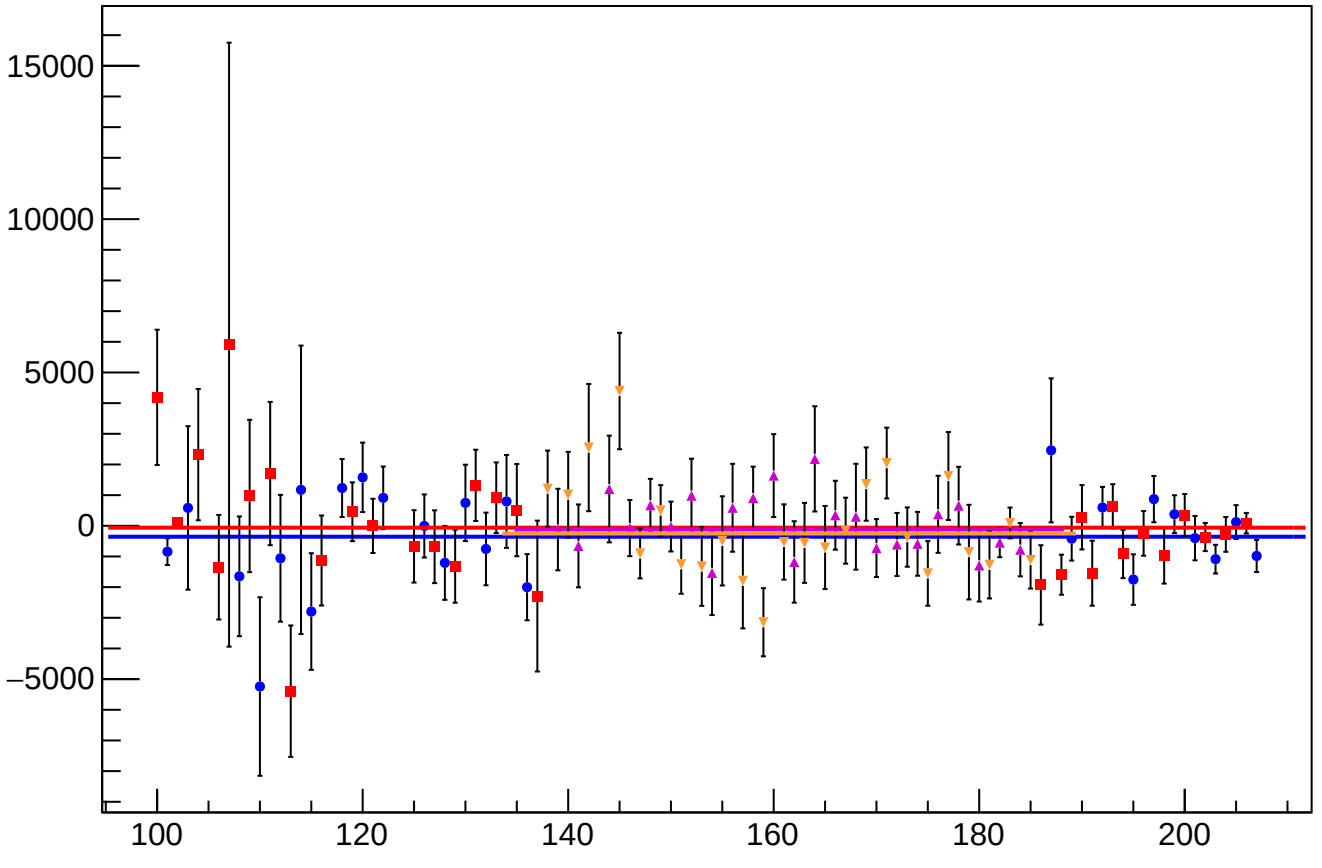
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1504.613+/-0.191 χ^2/NDF: 389403.9/55

In: 1479.775+/-0.181 χ^2/NDF:158000.2/48

Out: 1491.104+/-0.179 χ^2/NDF:255334.4/53

All: 1485.521+/-0.127 χ^2/NDF: 415312.1/102



Right In: -355.988+/-164.231 χ^2/NDF: 33.2/25

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

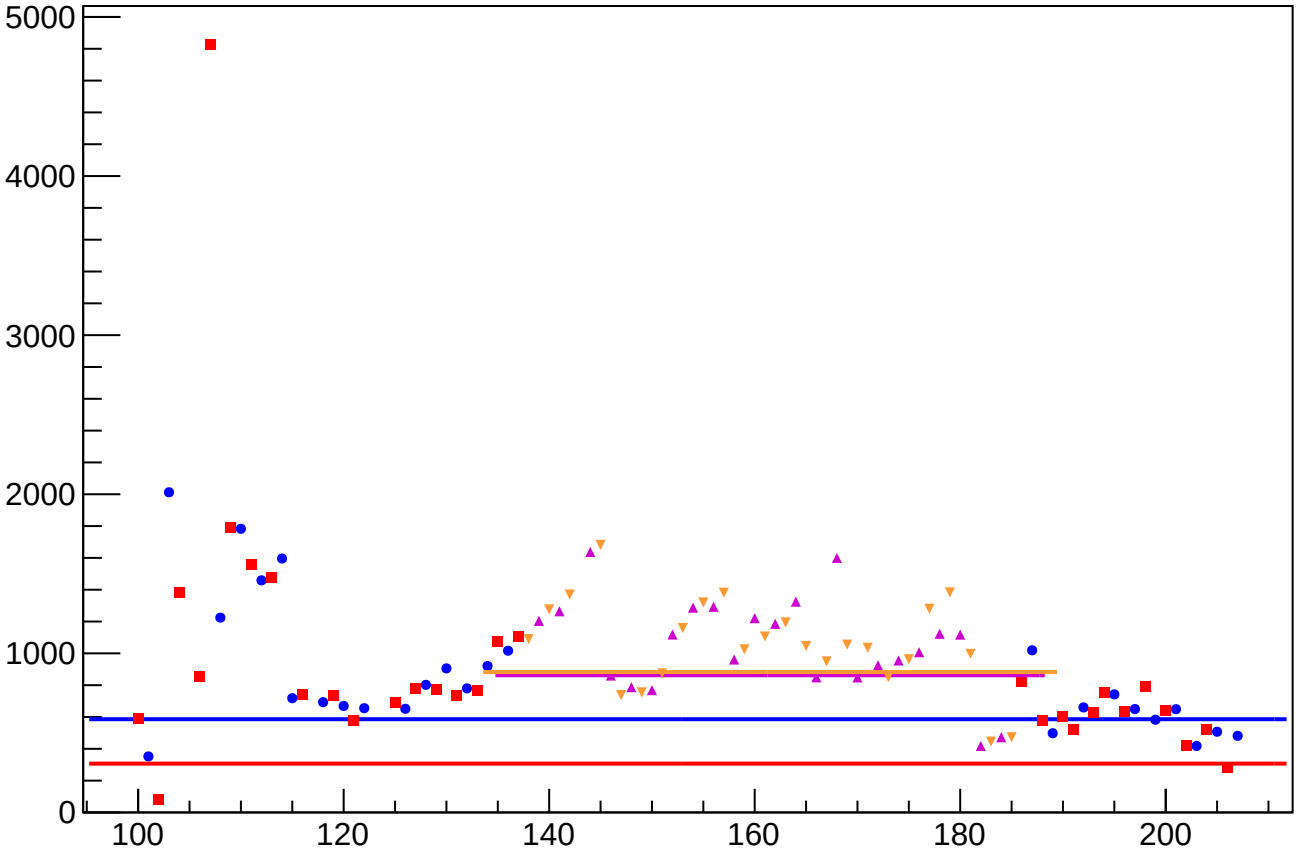
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -152.089+/-91.358 χ^2/NDF: 69.0/55

In: -269.470+/-130.728 χ^2/NDF:46.8/48

Out: -99.316+/-98.196 χ^2/NDF:66.8/53

All: -160.691+/-78.514 χ^2/NDF: 114.7/102



Right In: 586.109+/-0.116 χ^2/NDF: 3480824.5/25

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

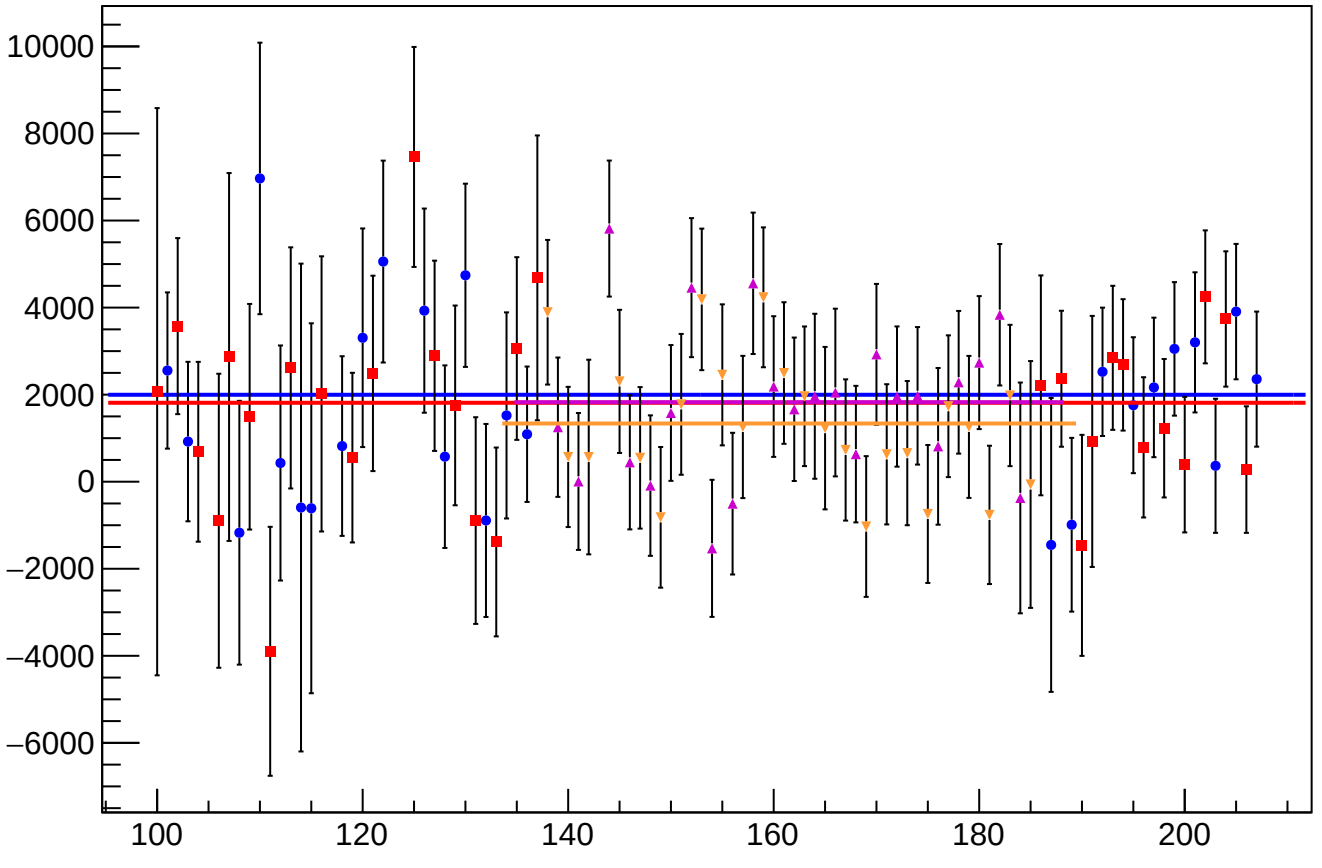
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 393.278+/-0.065 χ^2/NDF: 21791378.5/55

In: 687.300+/-0.092 χ^2/NDF:9922621.8/48

Out: 423.252+/-0.069 χ^2/NDF:29303678.4/53

All: 518.495+/-0.056 χ^2/NDF: 44442557.1/10



Right In: 1997.096+/-385.956 χ^2/NDF: 19.4/25

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

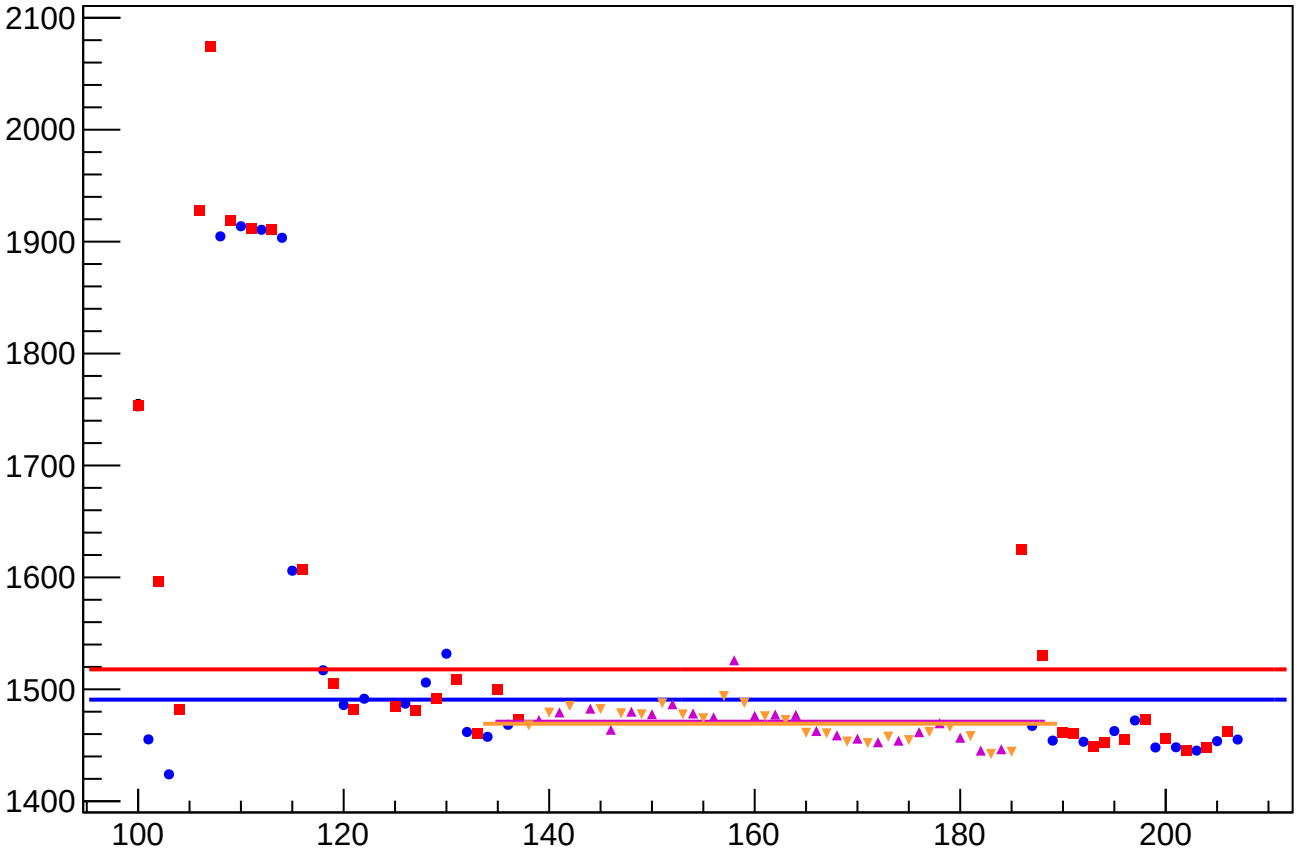
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1903.010+/-269.745 χ^2/NDF: 44.9/55

In: 1901.979+/-256.587 χ^2/NDF:46.0/48

Out: 1551.193+/-252.946 χ^2/NDF:45.5/53

All: 1724.080+/-180.133 χ^2/NDF: 92.4/102



Right In: 1490.786+/-0.273 χ^2/NDF: 150440.7/25

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

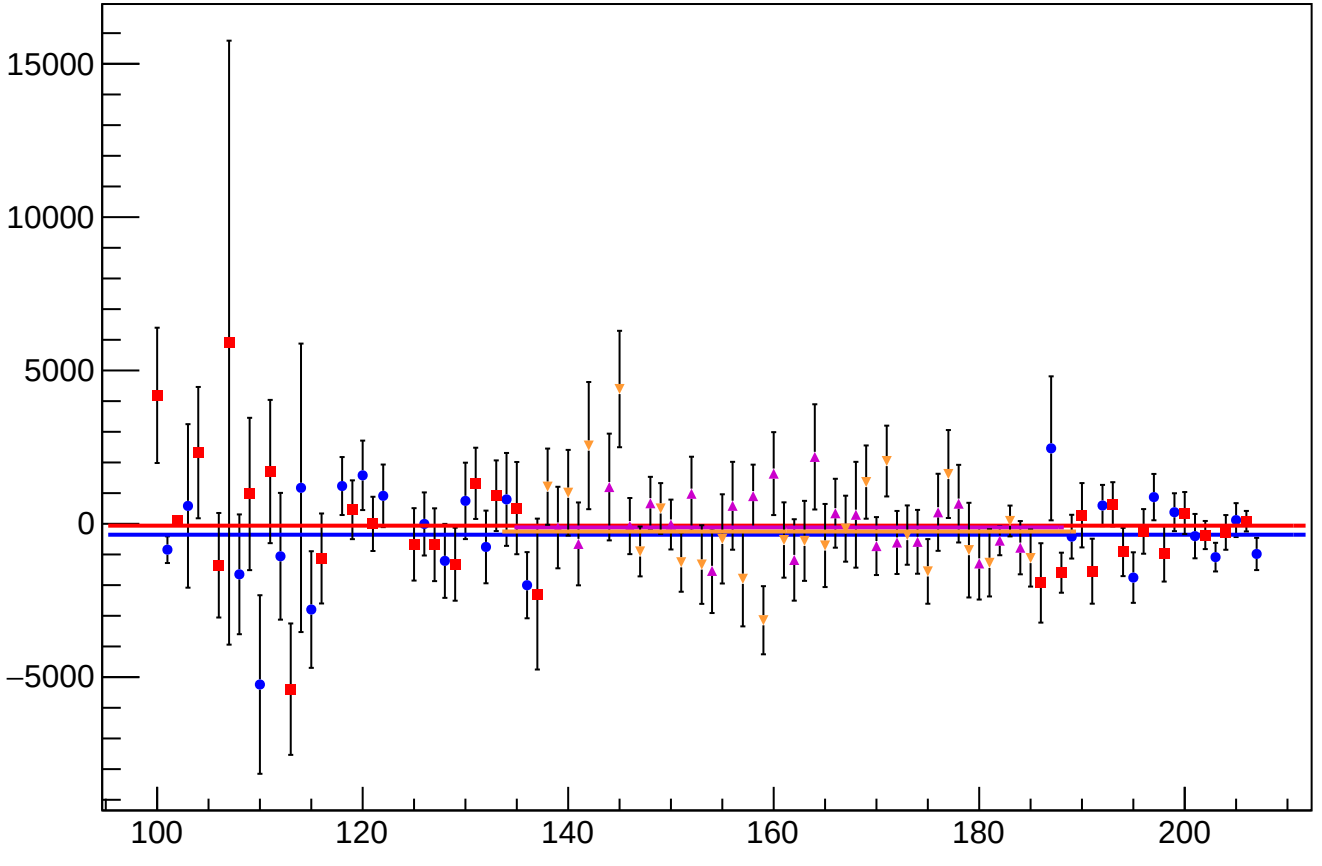
Right: 1504.613+/-0.191 χ^2/NDF: 389403.9/55

In: 1479.775+/-0.181 χ^2/NDF:158000.2/48

Out: 1491.104+/-0.179 χ^2/NDF:255334.4/53

All: 1485.521+/-0.127 χ^2/NDF: 415312.1/102

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -355.988+/-164.231 χ^2/NDF: 33.2/25

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

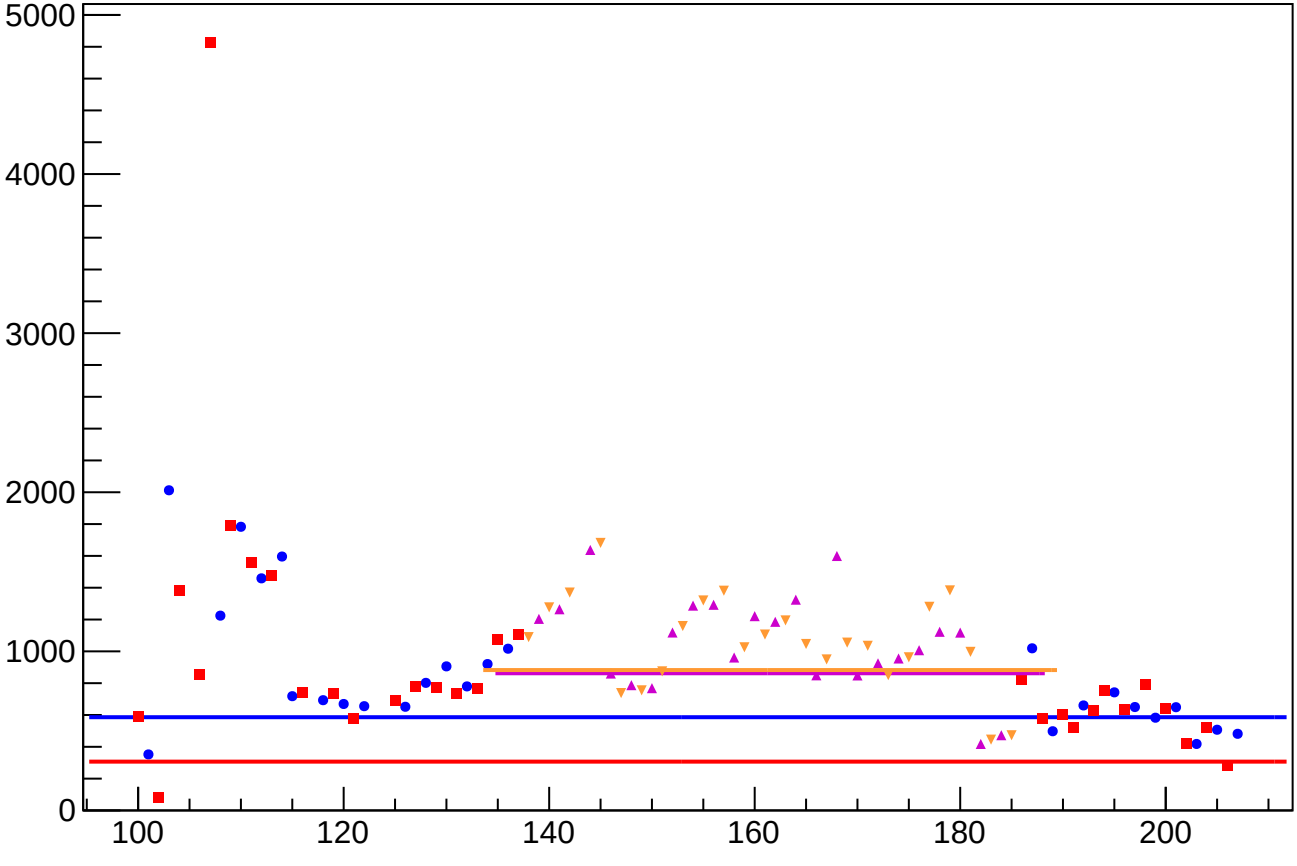
Right: -152.089+/-91.358 χ^2/NDF: 69.0/55

In: -269.470+/-130.728 χ^2/NDF:46.8/48

Out: -99.316+/-98.196 χ^2/NDF:66.8/53

All: -160.691+/-78.514 χ^2/NDF: 114.7/102

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 586.109+/-0.116 χ^2/NDF: 3480824.5/25

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

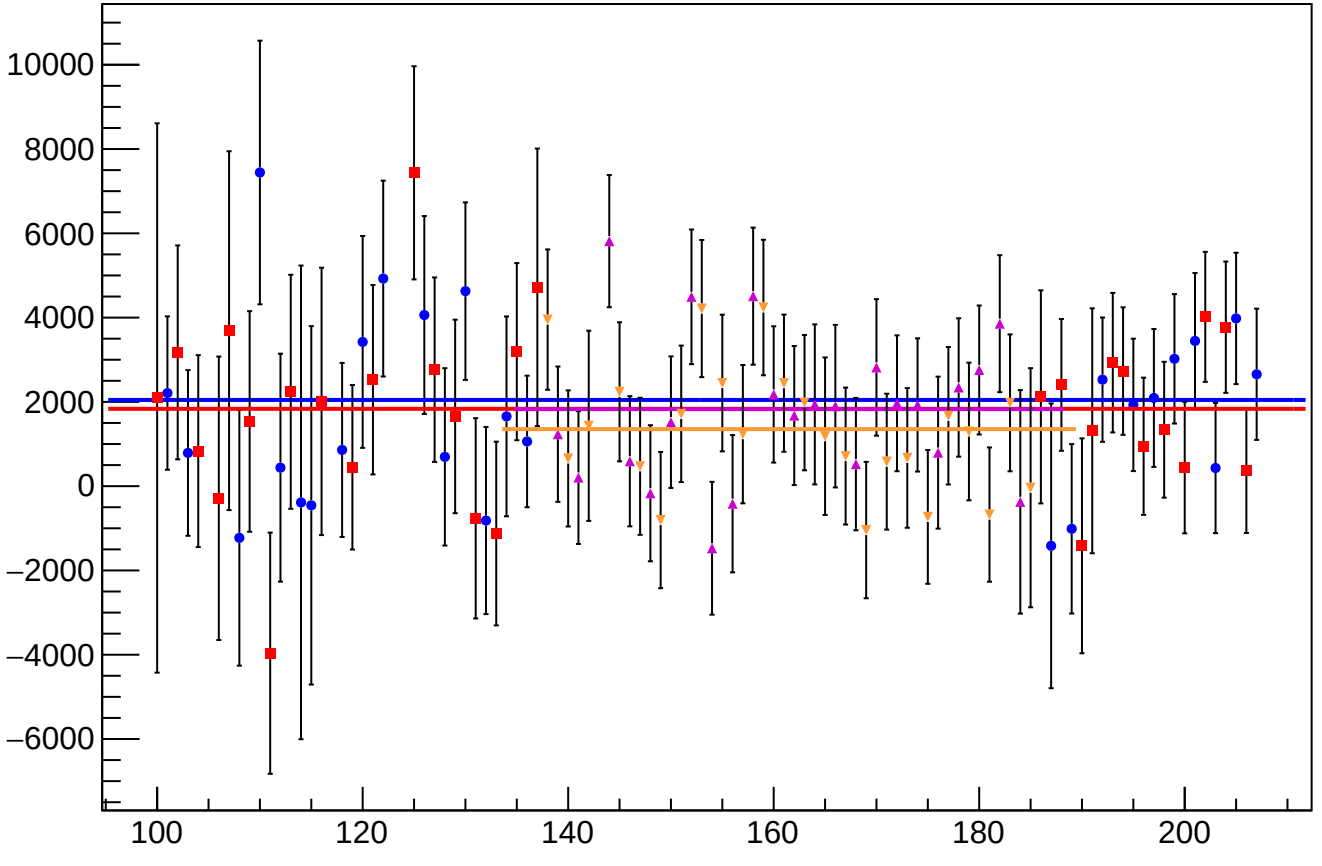
Right: 393.278+/-0.065 χ^2/NDF: 21791378.5/55

In: 687.300+/-0.092 χ^2/NDF:9922621.8/48

Out: 423.252+/-0.069 χ^2/NDF:29303678.4/53

All: 518.495+/-0.056 χ^2/NDF: 44442557.1/10

dit_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2045.894+/-388.618 χ^2/NDF: 19.8/25

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

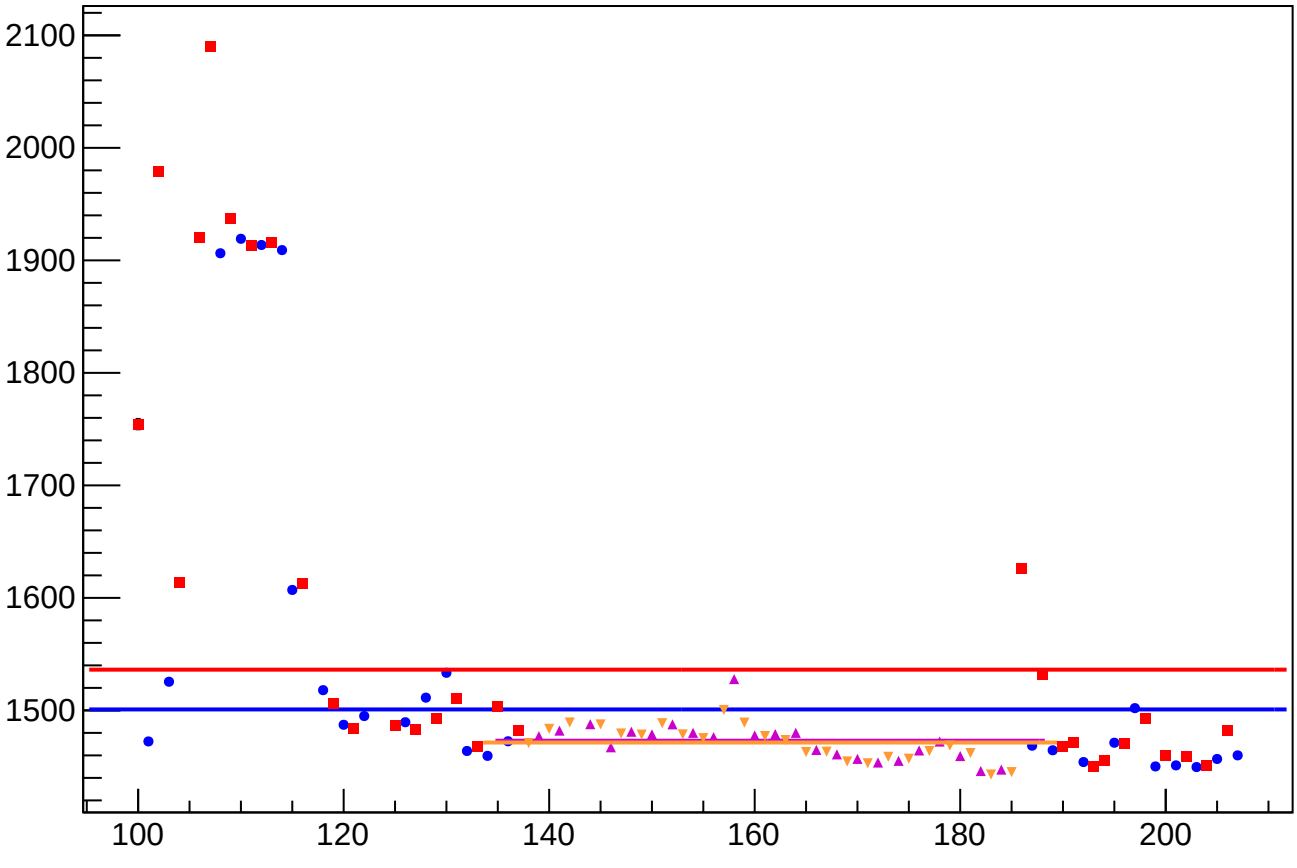
Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

Right: 1938.916+/-272.595 χ^2/NDF: 43.3/55

In: 1923.851+/-257.562 χ^2/NDF:45.8/48

Out: 1567.371+/-254.764 χ^2/NDF:43.2/53

All: 1743.664+/-181.126 χ^2/NDF: 90.0/102



Right In: 1500.851+/-0.275 χ^2/NDF: 146125.6/25

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

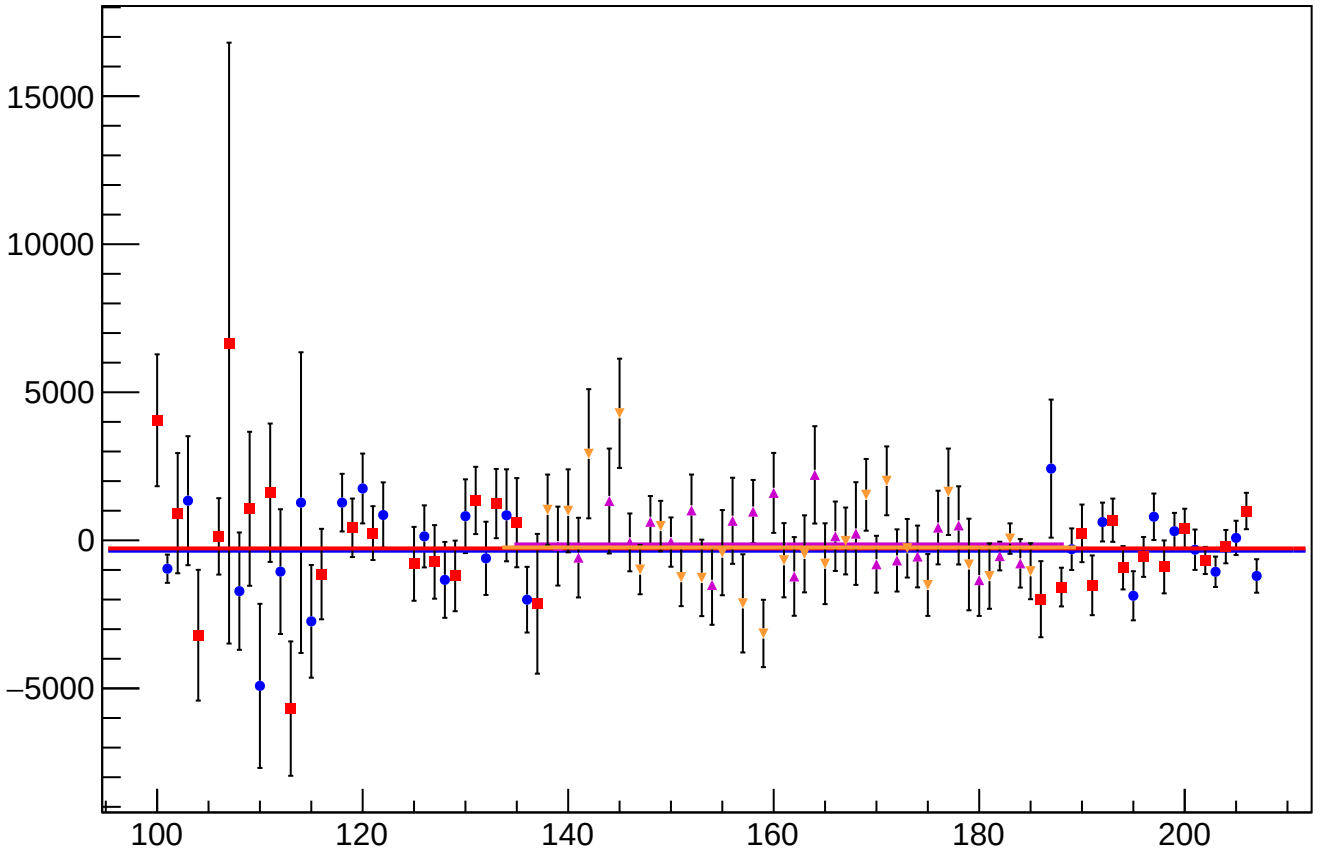
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1518.811+/-0.193 χ^2/NDF: 446918.3/55

In: 1485.261+/-0.182 χ^2/NDF:156616.6/48

Out: 1500.175+/-0.180 χ^2/NDF:327728.9/53

All: 1492.799+/-0.128 χ^2/NDF: 487735.2/102



Right In: -350.026+/-170.302 χ^2/NDF: 33.9/25

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

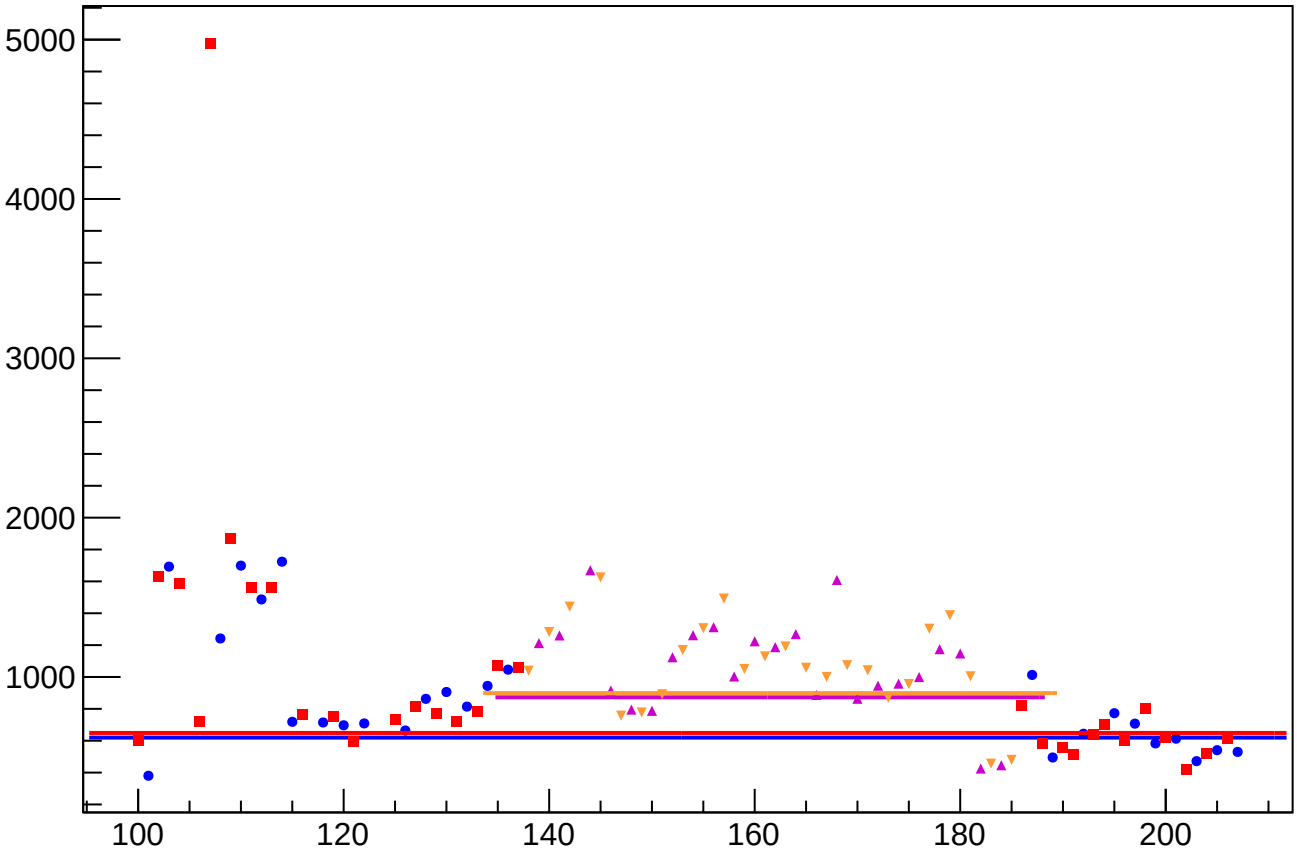
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -312.240+/-121.182 χ^2/NDF: 70.6/55

In: -270.048+/-134.317 χ^2/NDF:47.5/48

Out: -260.966+/-136.151 χ^2/NDF:69.1/53

All: -265.569+/-95.618 χ^2/NDF: 116.5/102



Right In: 619.602+/-0.120 χ^2/NDF: 3060534.0/25

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

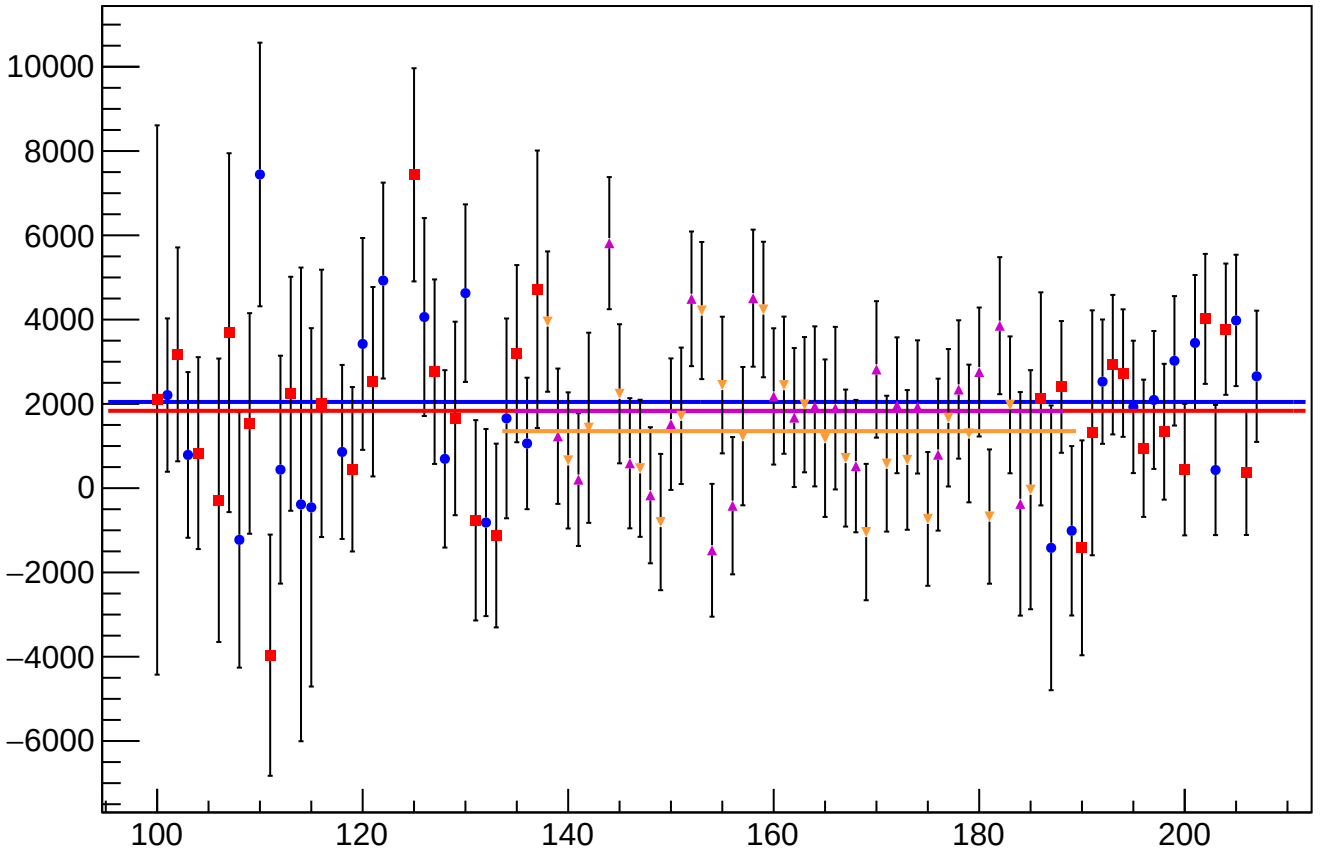
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 634.074+/-0.086 χ^2/NDF: 6544820.1/55

In: 715.176+/-0.095 χ^2/NDF:9162641.3/48

Out: 743.104+/-0.096 χ^2/NDF:8829219.6/53

All: 728.951+/-0.068 χ^2/NDF: 18034507.7/10



Right In: 2045.892+/-388.618 χ^2/NDF: 19.8/25

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

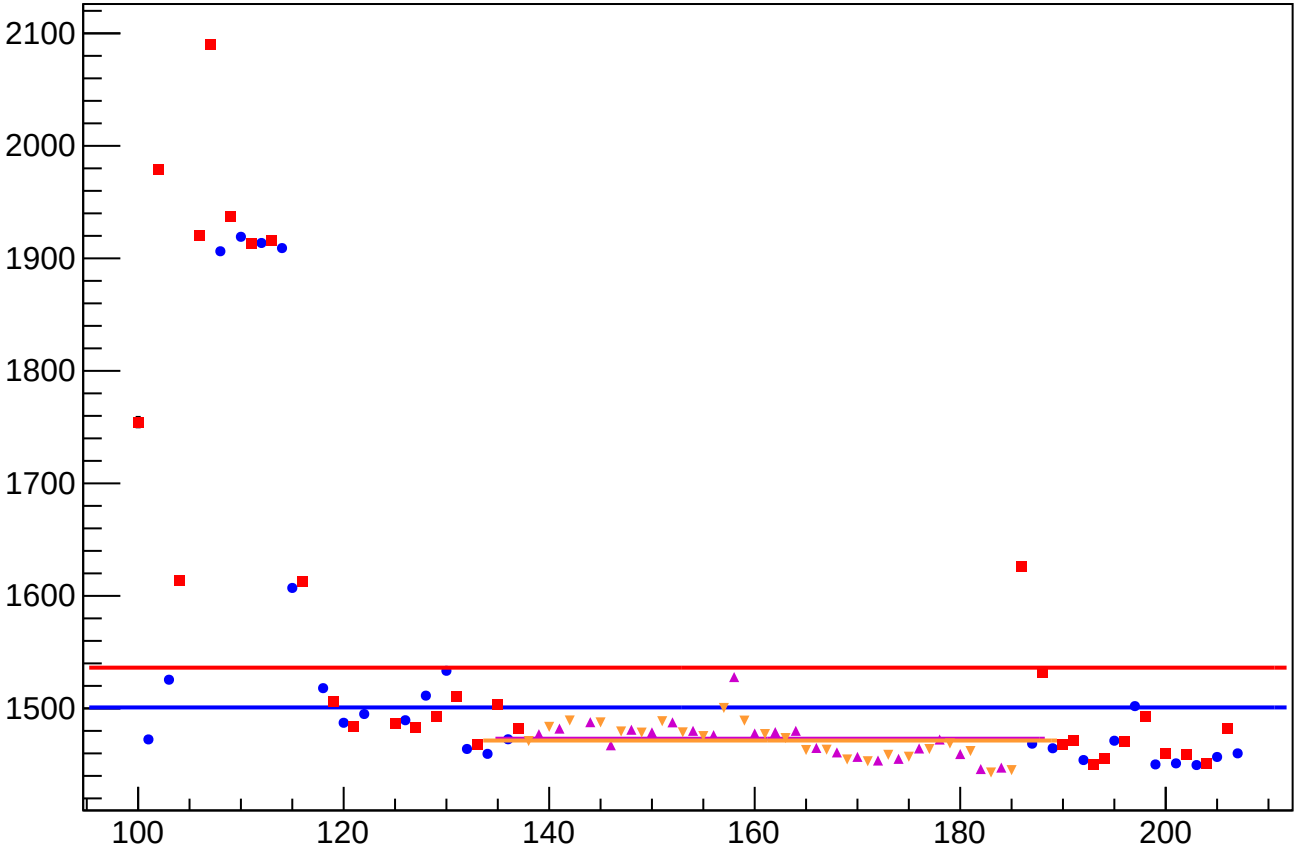
Right: 1938.915+/-272.595 χ^2/NDF: 43.3/55

In: 1923.851+/-257.562 χ^2/NDF:45.8/48

Out: 1567.370+/-254.764 χ^2/NDF:43.2/53

All: 1743.664+/-181.126 χ^2/NDF: 90.0/102

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1500.850+/-0.275 χ^2/NDF: 146125.5/25

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

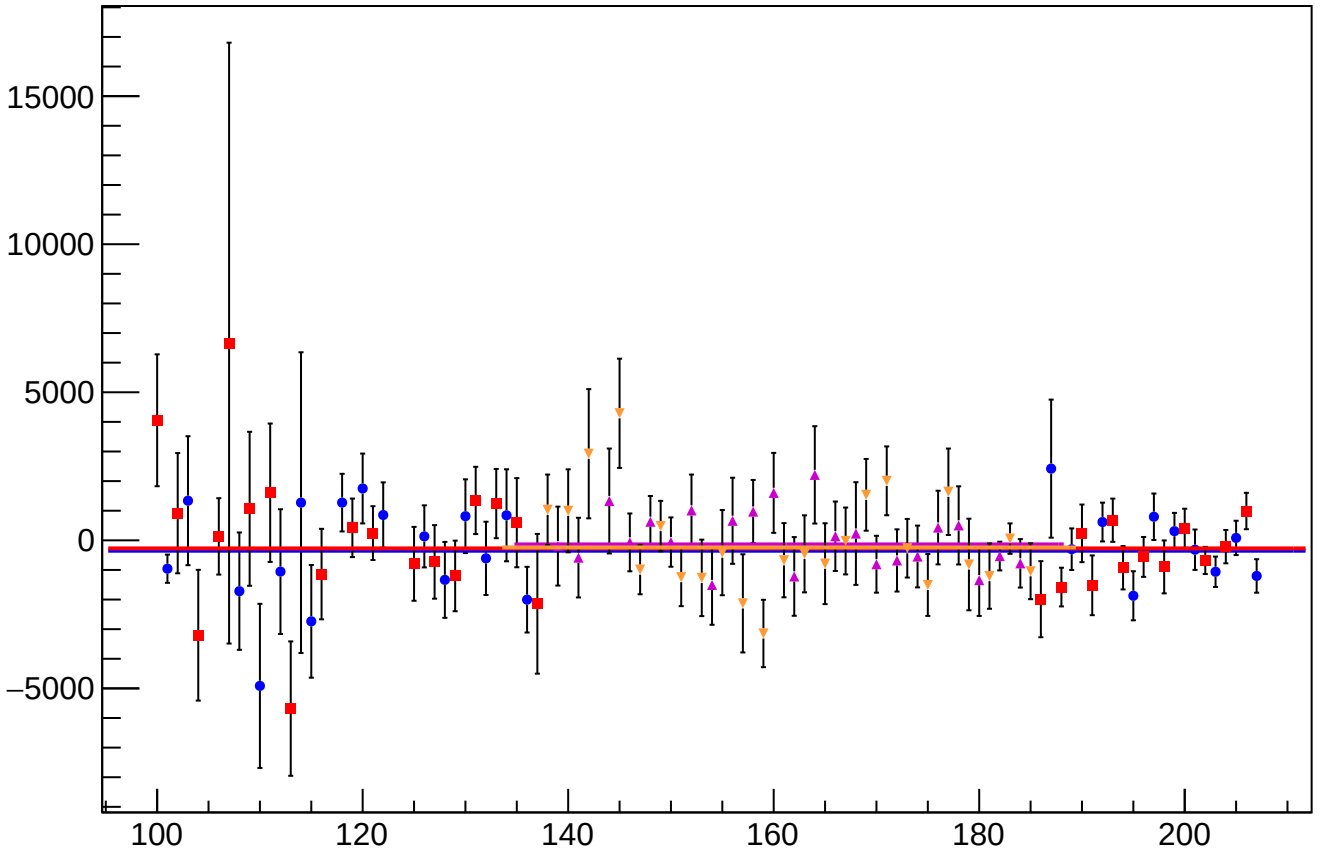
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1518.811+/-0.193 χ^2/NDF: 446917.8/55

In: 1485.261+/-0.182 χ^2/NDF:156616.5/48

Out: 1500.175+/-0.180 χ^2/NDF:327728.3/53

All: 1492.799+/-0.128 χ^2/NDF: 487734.5/102



Right In: -350.026+/-170.302 χ^2/NDF: 33.9/25

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

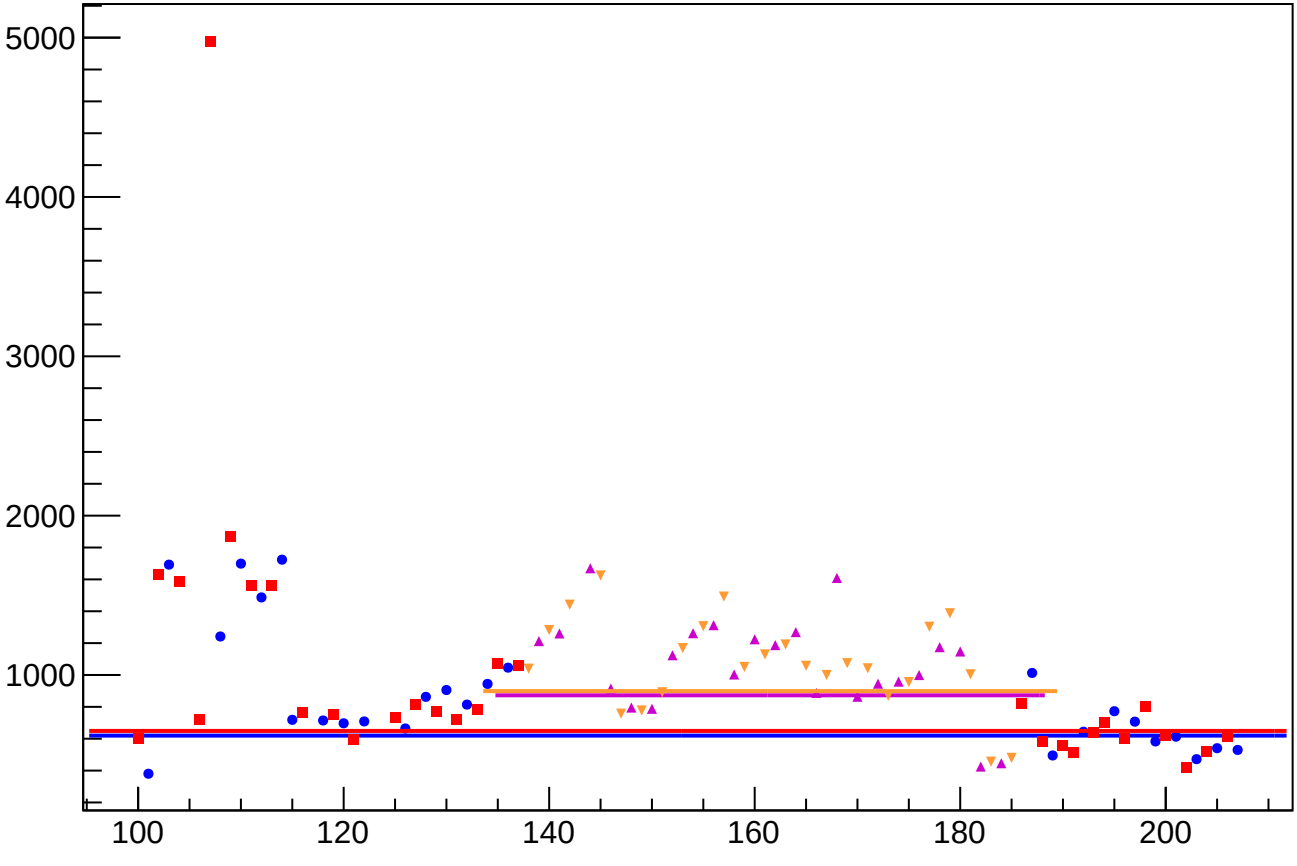
Right: -312.239+/-121.182 χ^2/NDF: 70.6/55

In: -270.048+/-134.317 χ^2/NDF:47.5/48

Out: -260.966+/-136.151 χ^2/NDF:69.1/53

All: -265.569+/-95.618 χ^2/NDF: 116.5/102

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 619.602+/-0.120 χ^2/NDF: 3060526.2/25

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

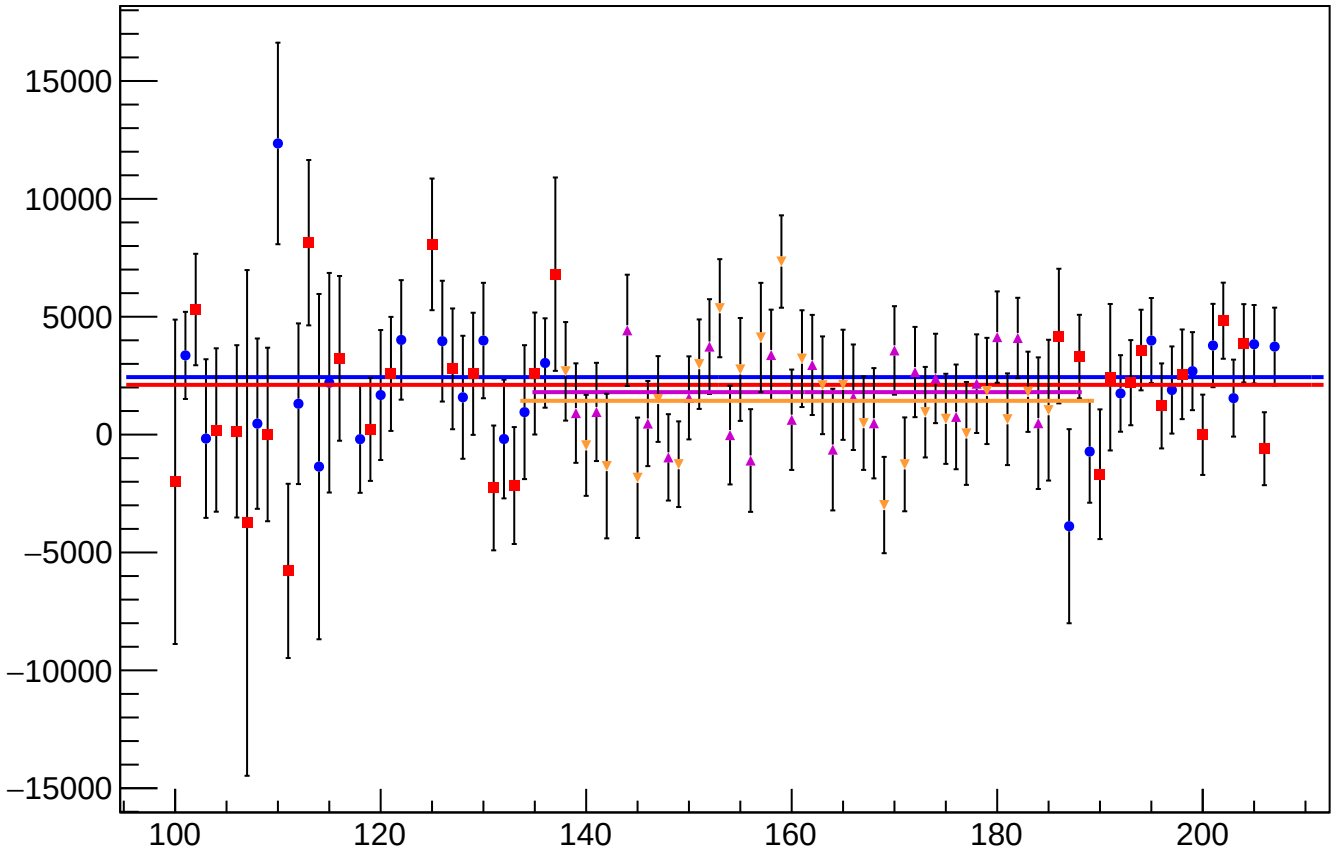
Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

Right: 634.075+/-0.086 χ^2/NDF: 6544808.5/55

In: 715.177+/-0.095 χ^2/NDF:9162646.9/48

Out: 743.105+/-0.096 χ^2/NDF:8829228.7/53

All: 728.951+/-0.068 χ^2/NDF: 18034522.6/10



Right In: 2438.139+/-438.205 χ^2/NDF: 18.7/25

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

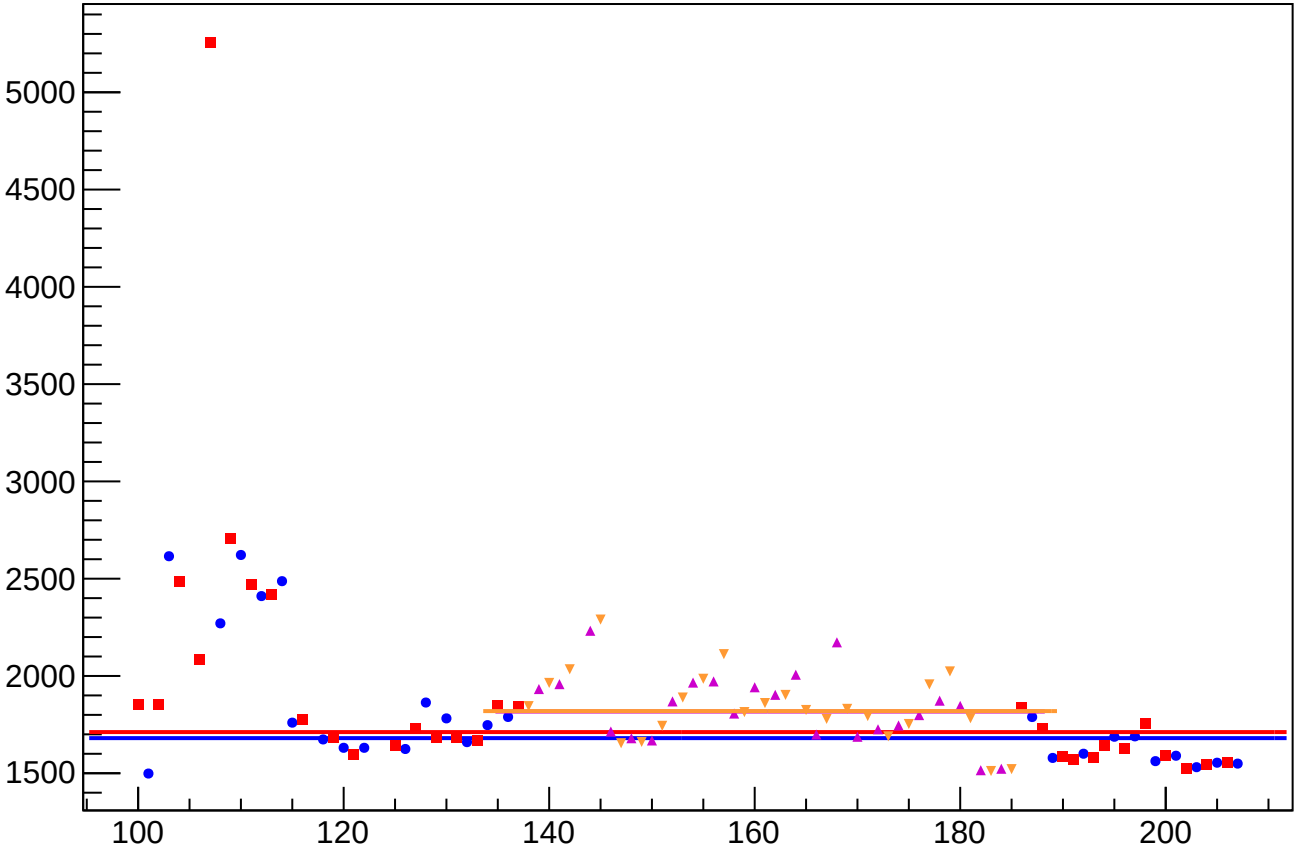
Right: 2271.025+/-306.752 χ^2/NDF: 55.0/55

In: 2111.212+/-305.629 χ^2/NDF:35.1/48

Out: 1767.849+/-301.924 χ^2/NDF:66.7/53

All: 1937.437+/-214.790 χ^2/NDF: 102.4/102

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1680.495+/-0.310 χ^2/NDF: 531289.6/25

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

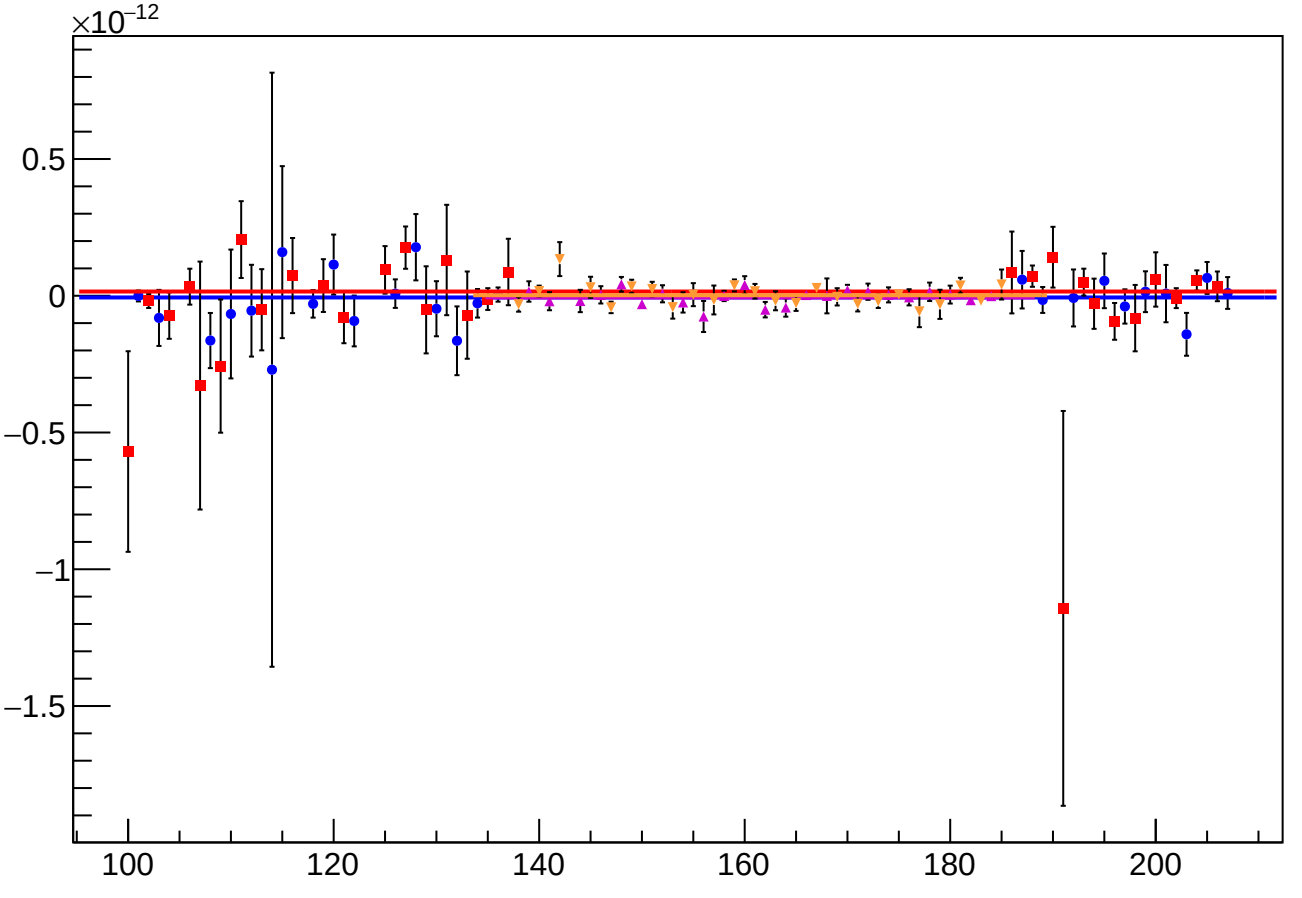
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1696.341+/-0.217 χ^2/NDF: 1319176.3/55

In: 1750.671+/-0.216 χ^2/NDF:938267.6/48

Out: 1766.134+/-0.213 χ^2/NDF:1141564.1/53

All: 1758.497+/-0.152 χ^2/NDF: 2082422.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 16.0/25

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

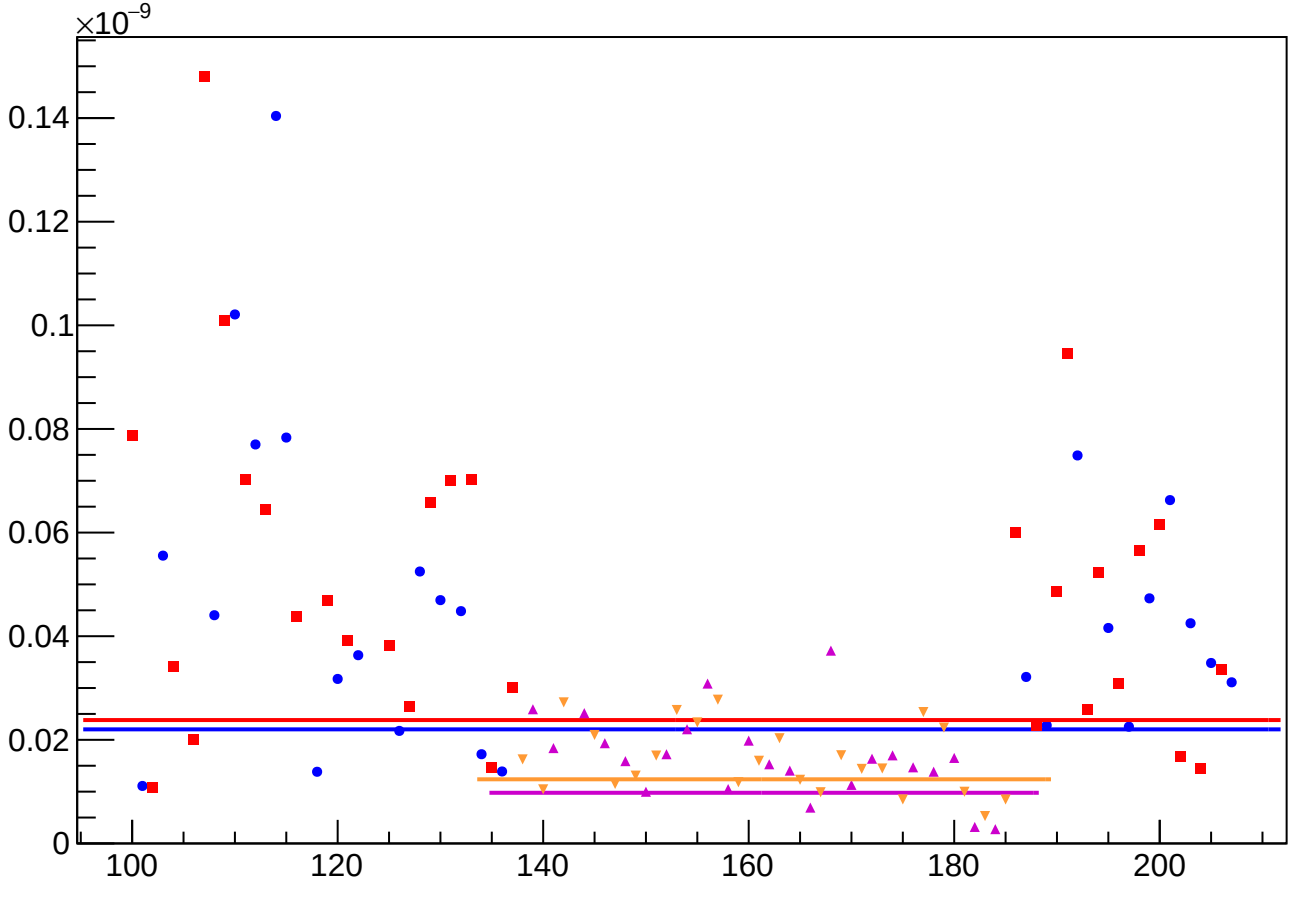
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 47.2/55

In: -0.000+/-0.000 χ^2/NDF:33.9/48

Out: 0.000+/-0.000 χ^2/NDF:59.9/53

All: -0.000+/-0.000 χ^2/NDF: 96.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 3562791.3/25

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

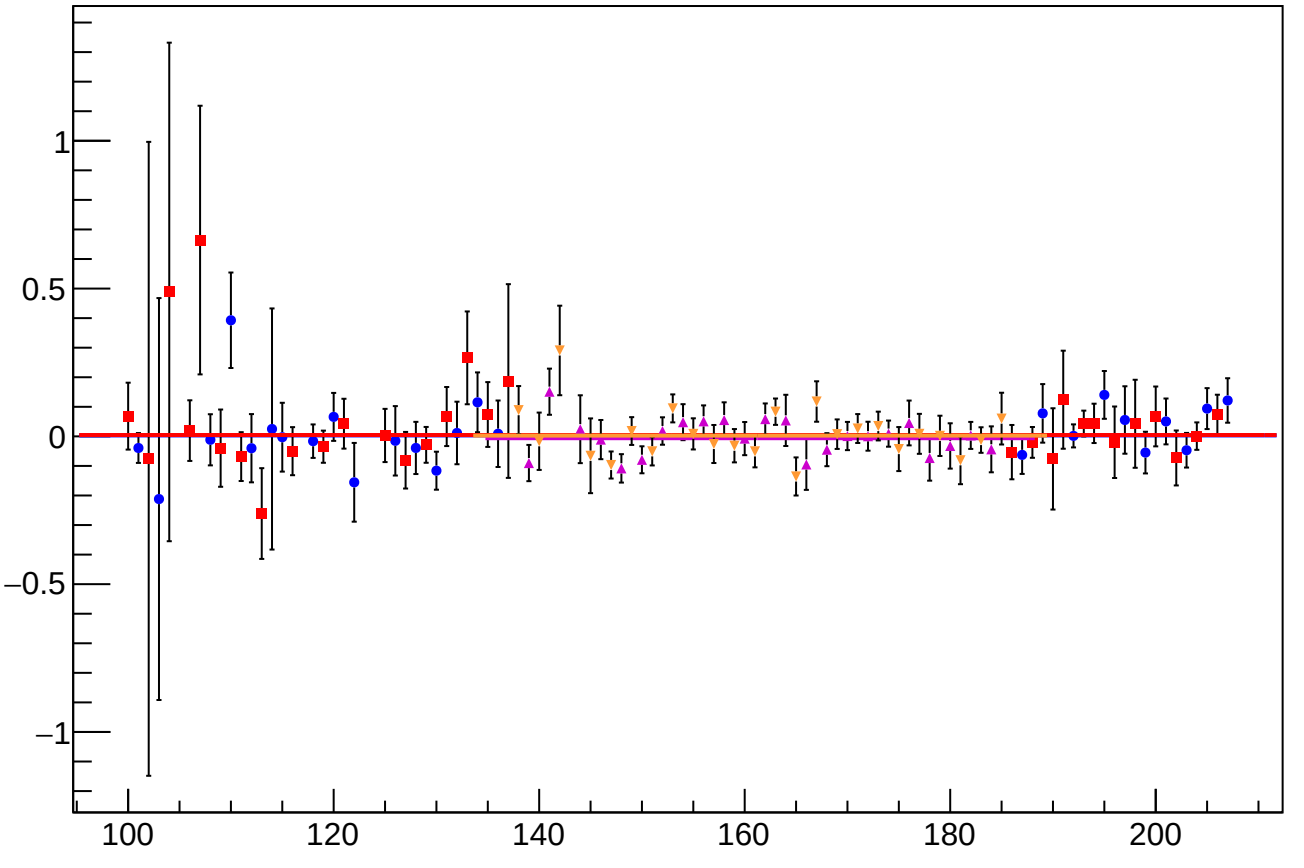
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6865575.3/55

In: 0.000+/-0.000 χ^2/NDF:10065570.5/48

Out: 0.000+/-0.000 χ^2/NDF:6696707.4/53

All: 0.000+/-0.000 χ^2/NDF: 17111279.7/102



Right In: 0.003+/-0.015 χ^2/NDF: 24.5/25

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

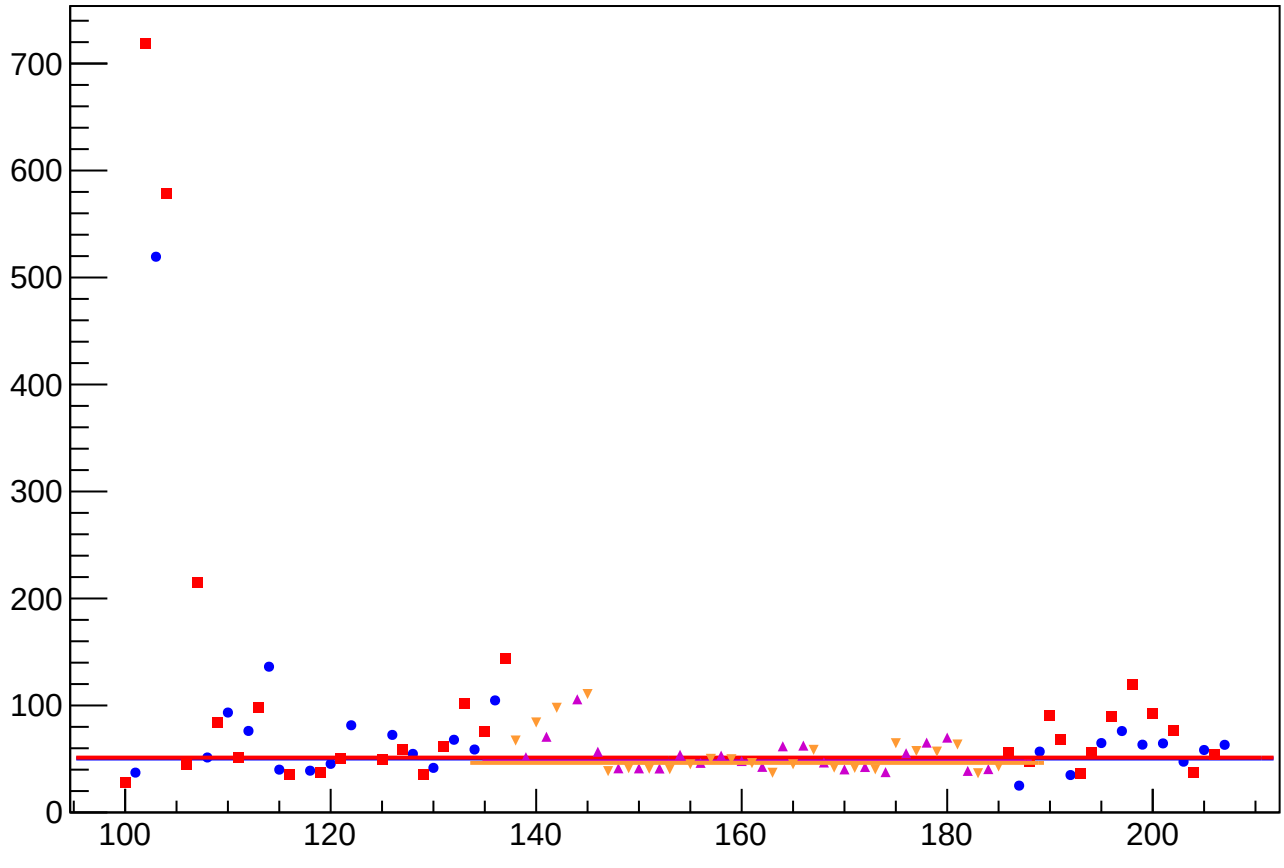
Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

Right: 0.004+/-0.011 χ^2/NDF: 42.1/55

In: -0.003+/-0.010 χ^2/NDF:46.4/48

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: 0.000+/-0.007 χ^2/NDF: 94.0/102



Right In: 50.425+/-0.011 χ^2/NDF: 3300748.9/25

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

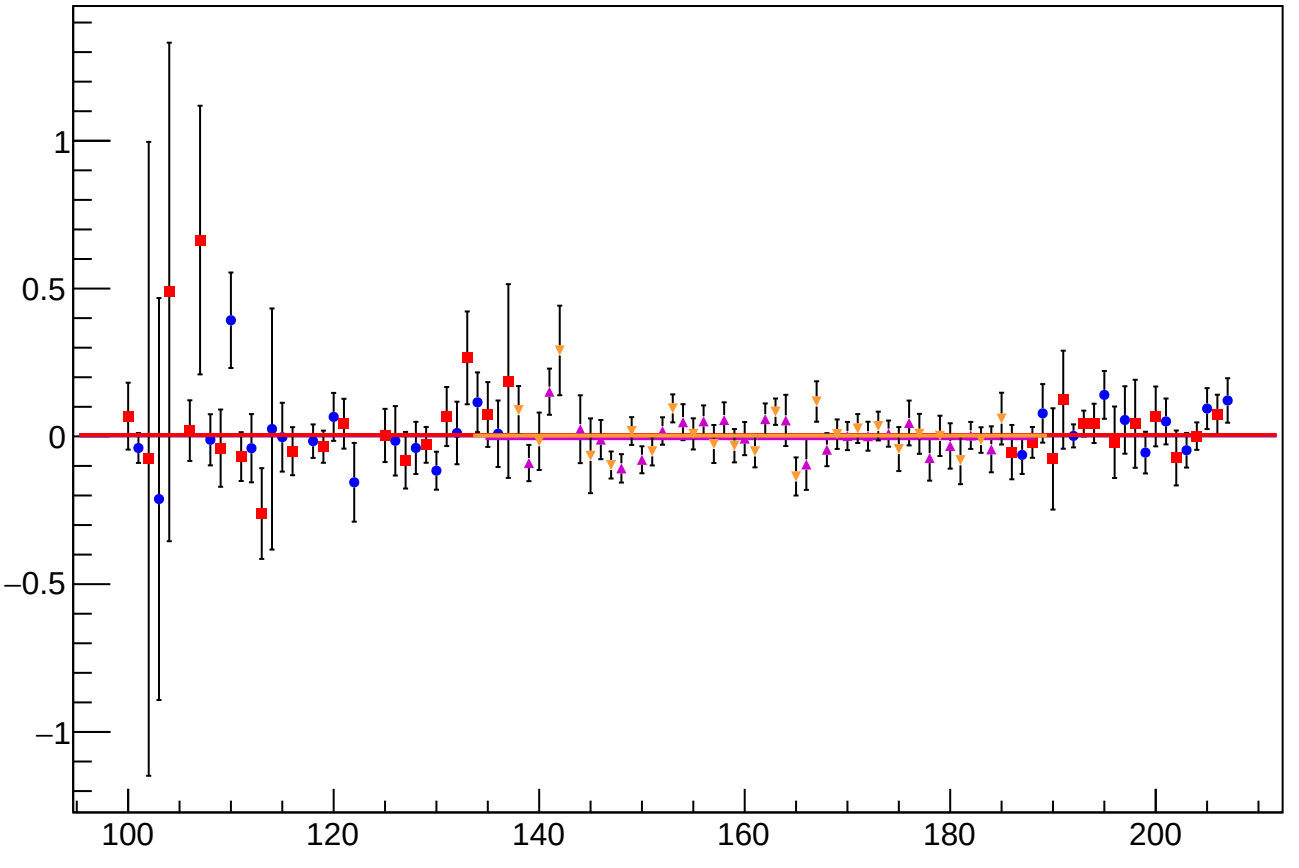
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.835+/-0.008 χ^2/NDF: 8037013.2/55

In: 48.668+/-0.007 χ^2/NDF:4919253.3/48

Out: 48.157+/-0.007 χ^2/NDF:6826128.7/53

All: 48.410+/-0.005 χ^2/NDF: 11748282.0/102



Right In: 0.003+/-0.015 χ^2/NDF: 24.5/25

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

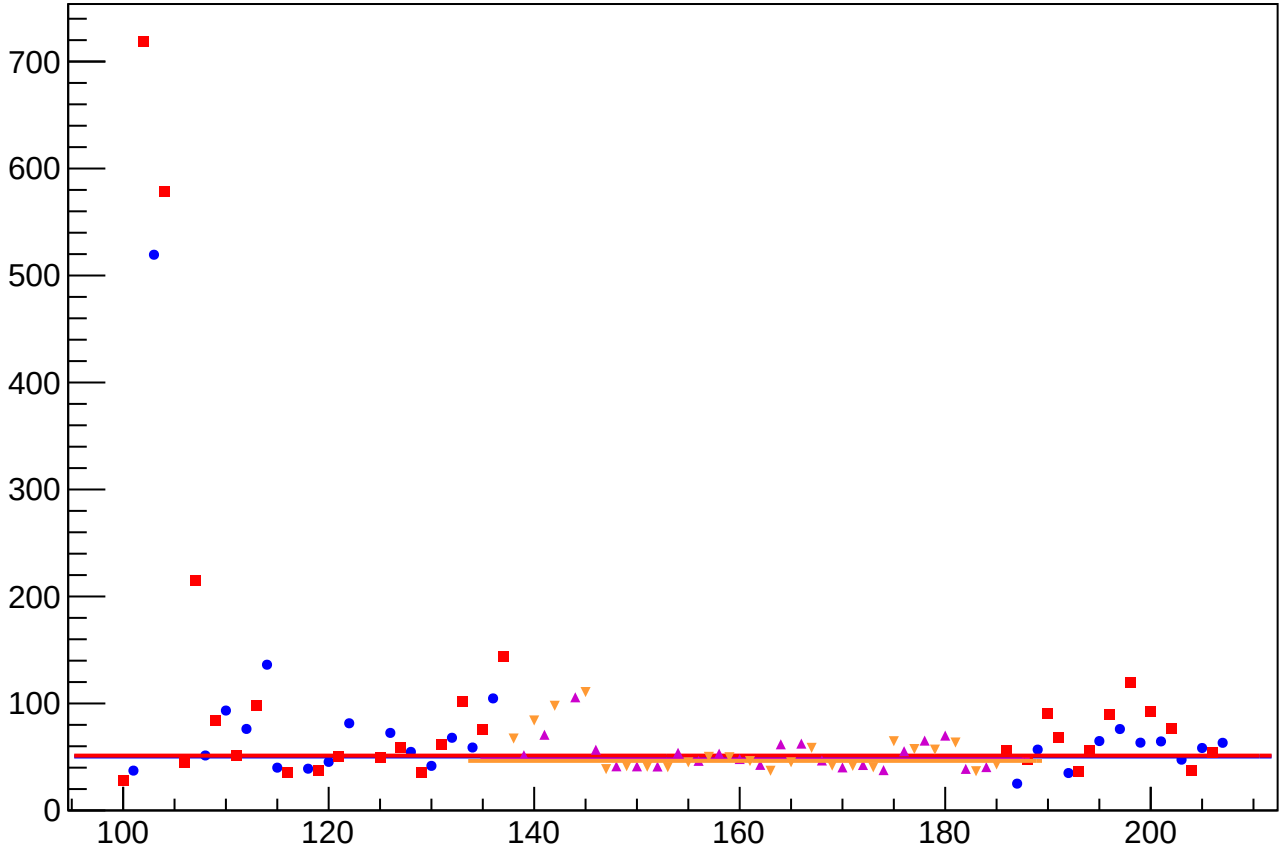
Right: 0.004+/-0.011 χ^2/NDF: 42.1/55

In: -0.003+/-0.010 χ^2/NDF:46.4/48

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: 0.000+/-0.007 χ^2/NDF: 94.0/102

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.425+/-0.011 χ^2/NDF: 3300748.9/25

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

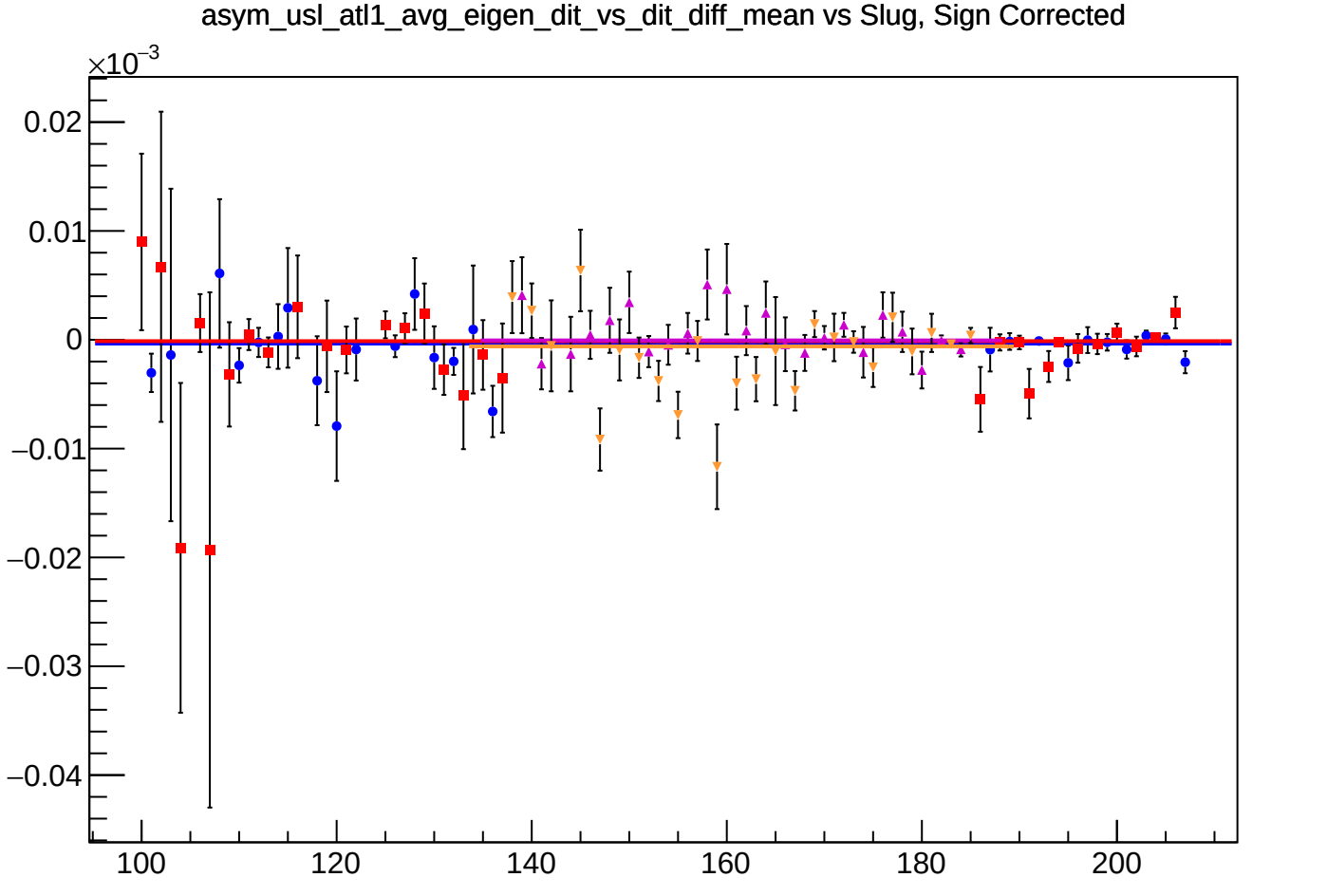
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.835+/-0.008 χ^2/NDF: 8037013.2/55

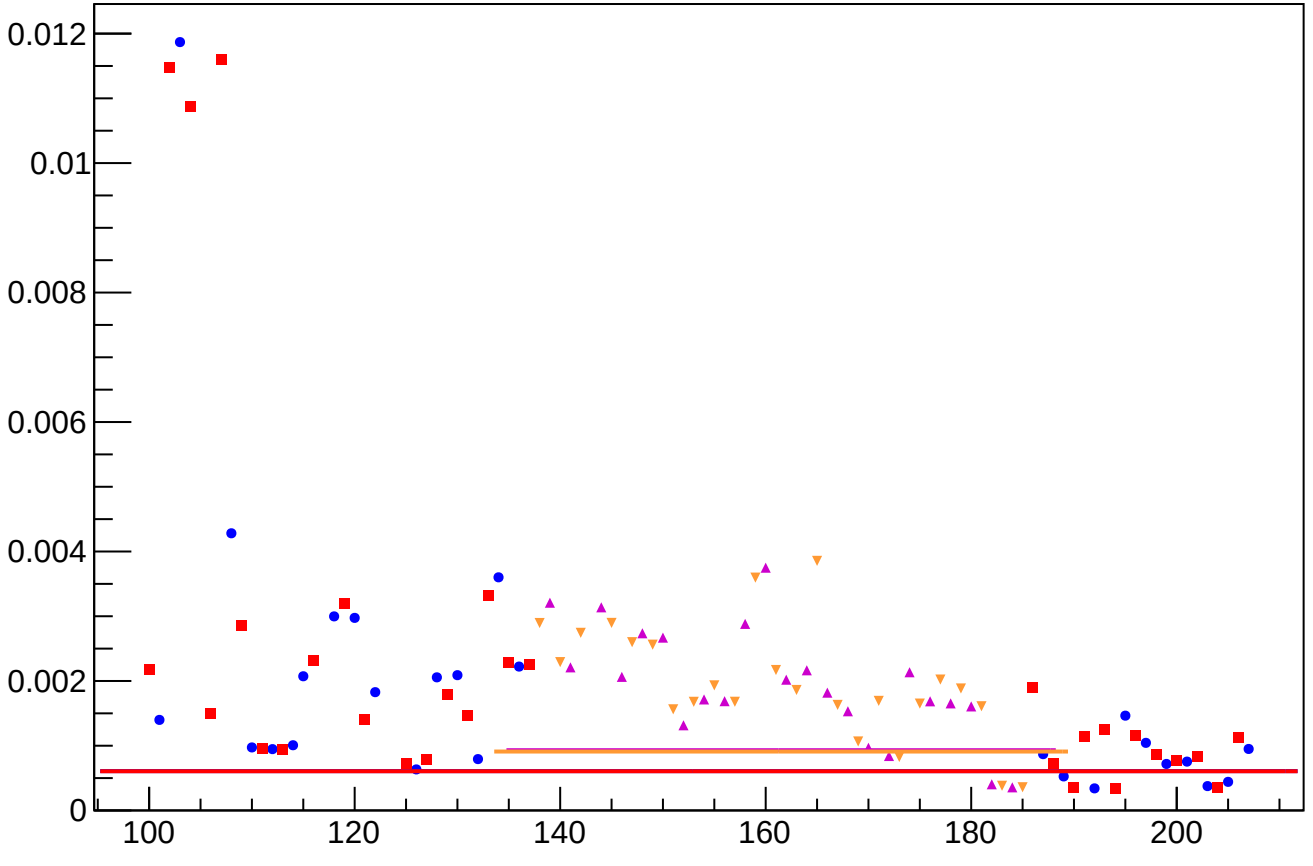
In: 48.668+/-0.007 χ^2/NDF:4919253.3/48

Out: 48.157+/-0.007 χ^2/NDF:6826128.7/53

All: 48.410+/-0.005 χ^2/NDF: 11748282.0/102


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: 27.5/25
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: 56.2/55
In: -0.000+/-0.000 χ²/NDF:46.1/48
Out: -0.000+/-0.000 χ²/NDF:84.0/53
All: -0.000+/-0.000 χ²/NDF: 130.1/102

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9215085.1/25

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

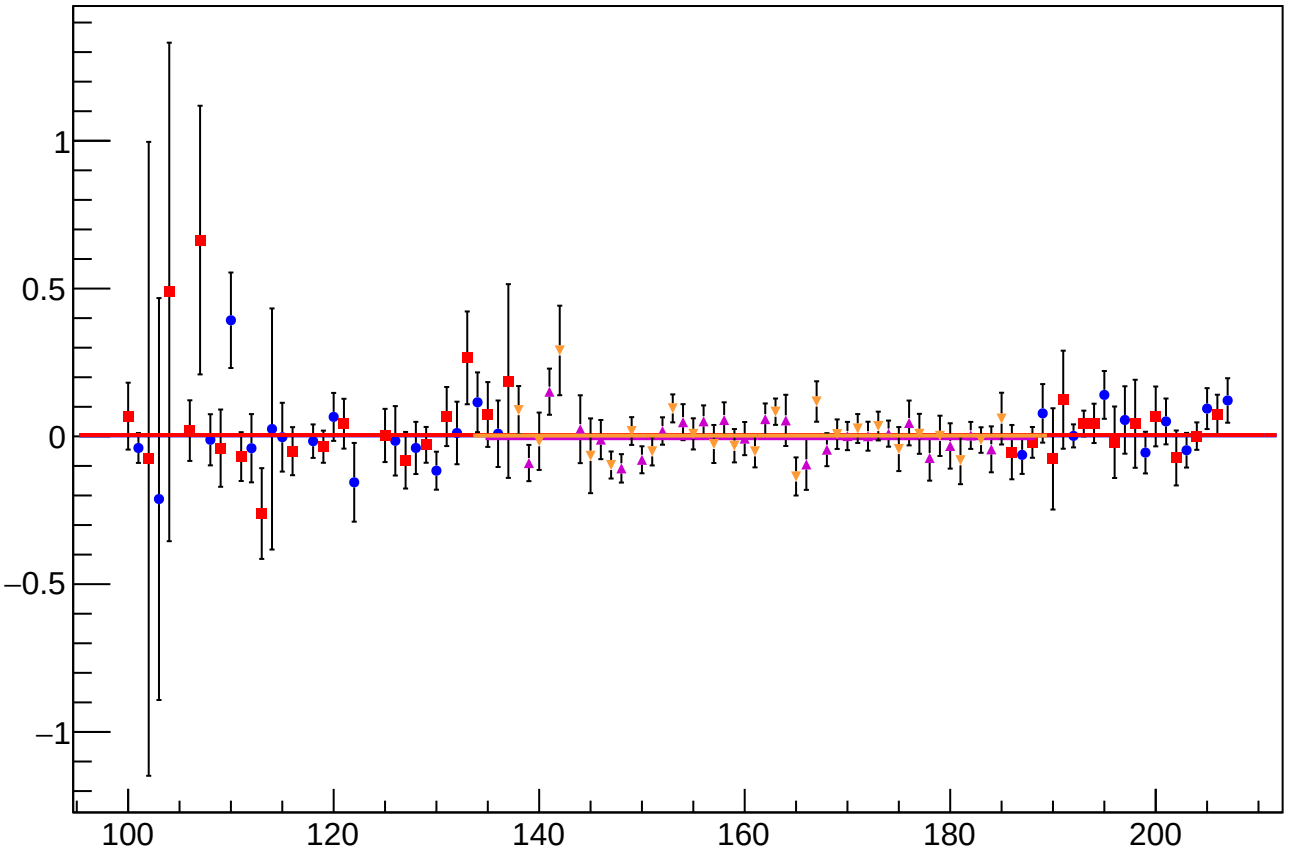
Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

Right: 0.001+/-0.000 χ^2/NDF: 20132465.5/55

In: 0.001+/-0.000 χ^2/NDF:24665000.7/48

Out: 0.001+/-0.000 χ^2/NDF:26664524.5/53

All: 0.001+/-0.000 χ^2/NDF: 51332249.8/102



Right In: 0.003+/-0.015 χ^2/NDF: 24.5/25

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

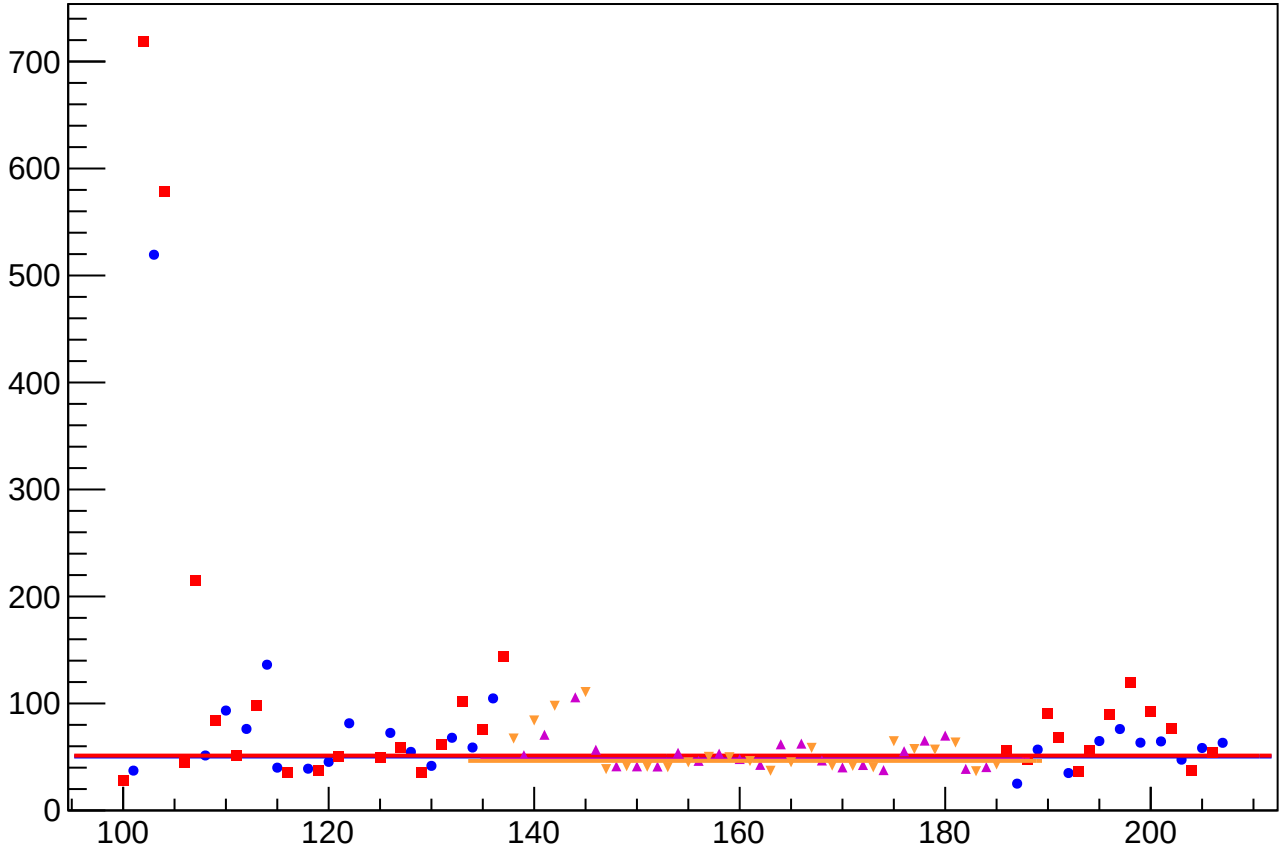
Right: 0.004+/-0.011 χ^2/NDF: 42.1/55

In: -0.003+/-0.010 χ^2/NDF:46.4/48

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: 0.000+/-0.007 χ^2/NDF: 94.0/102

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.424+/-0.011 χ^2/NDF: 3300759.4/25

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

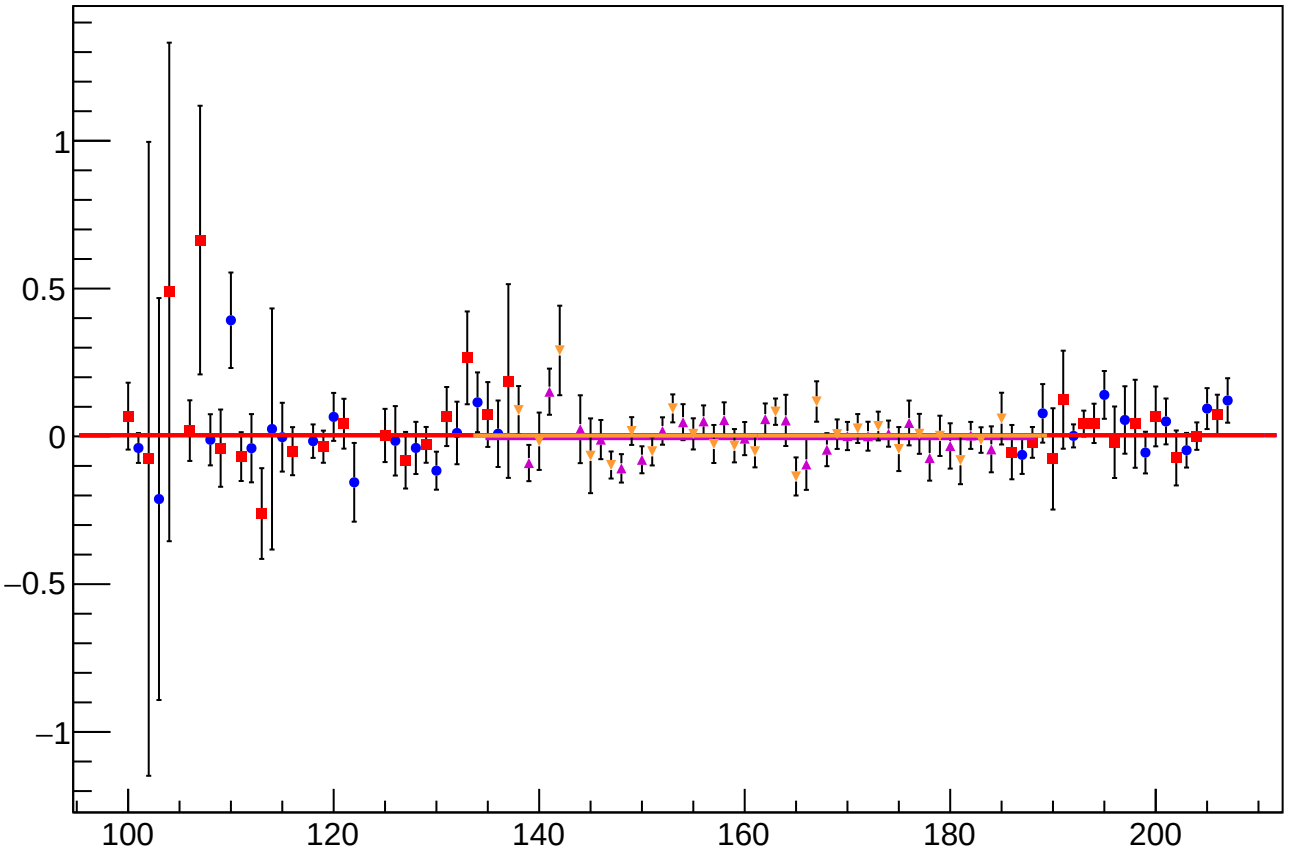
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.835+/-0.008 χ^2/NDF: 8037024.8/55

In: 48.668+/-0.007 χ^2/NDF:4919269.0/48

Out: 48.157+/-0.007 χ^2/NDF:6826098.4/53

All: 48.410+/-0.005 χ^2/NDF: 11748267.6/102



Right In: 0.003+/-0.015 χ^2/NDF: 24.5/25

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

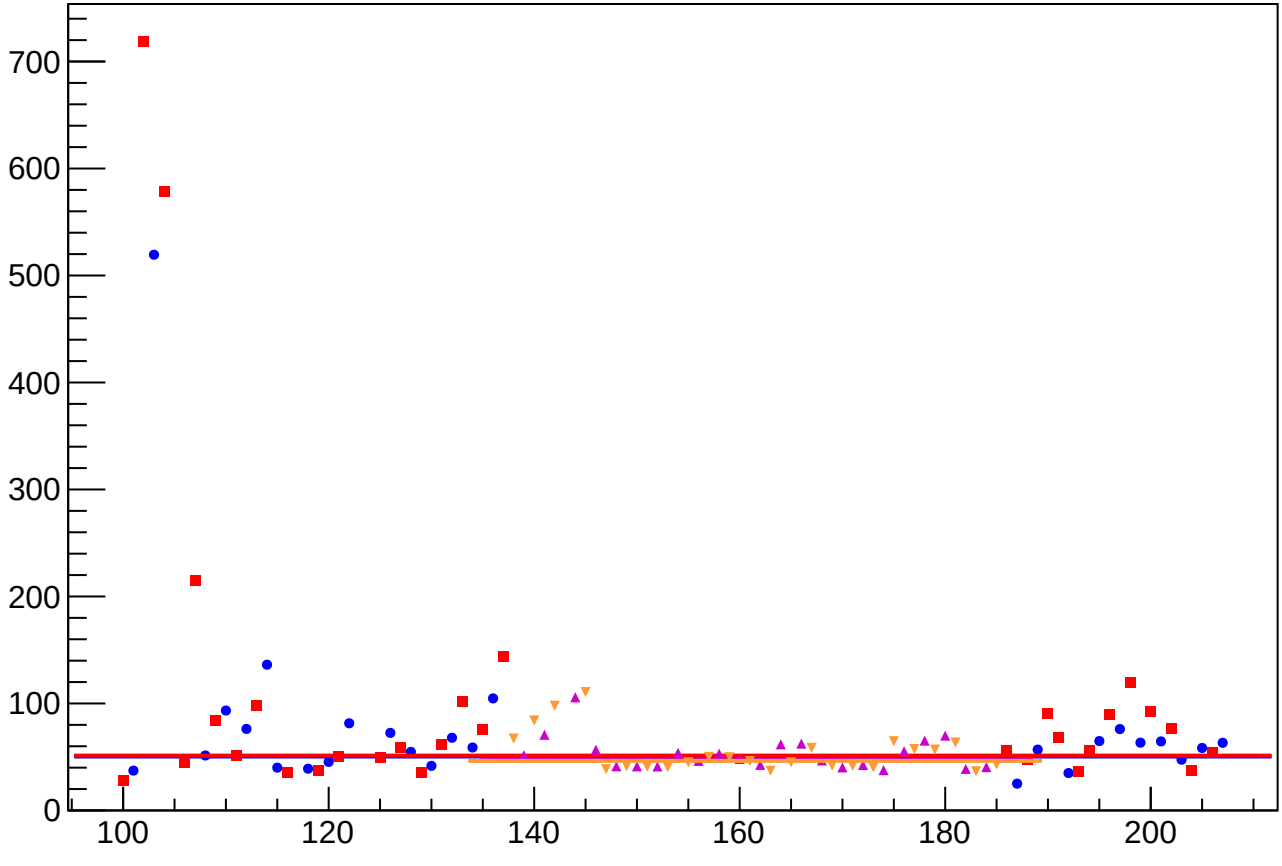
Right: 0.004+/-0.011 χ^2/NDF: 42.1/55

In: -0.003+/-0.010 χ^2/NDF:46.4/48

Out: 0.003+/-0.009 χ^2/NDF:47.4/53

All: 0.000+/-0.007 χ^2/NDF: 94.0/102

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.424+/-0.011 χ^2/NDF: 3300759.4/25

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

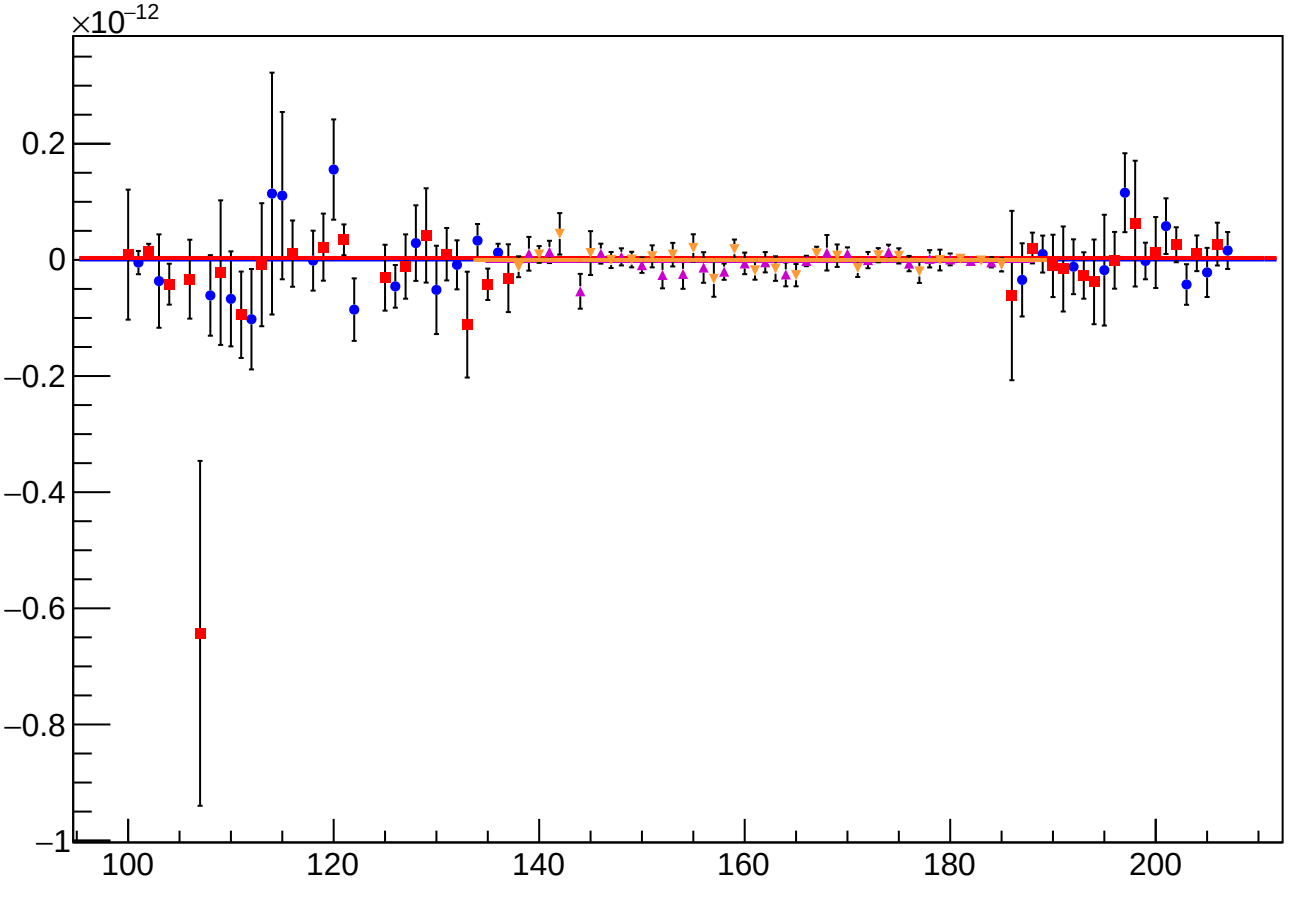
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.835+/-0.008 χ^2/NDF: 8037024.8/55

In: 48.668+/-0.007 χ^2/NDF:4919269.0/48

Out: 48.157+/-0.007 χ^2/NDF:6826098.4/53

All: 48.410+/-0.005 χ^2/NDF: 11748267.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/25

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

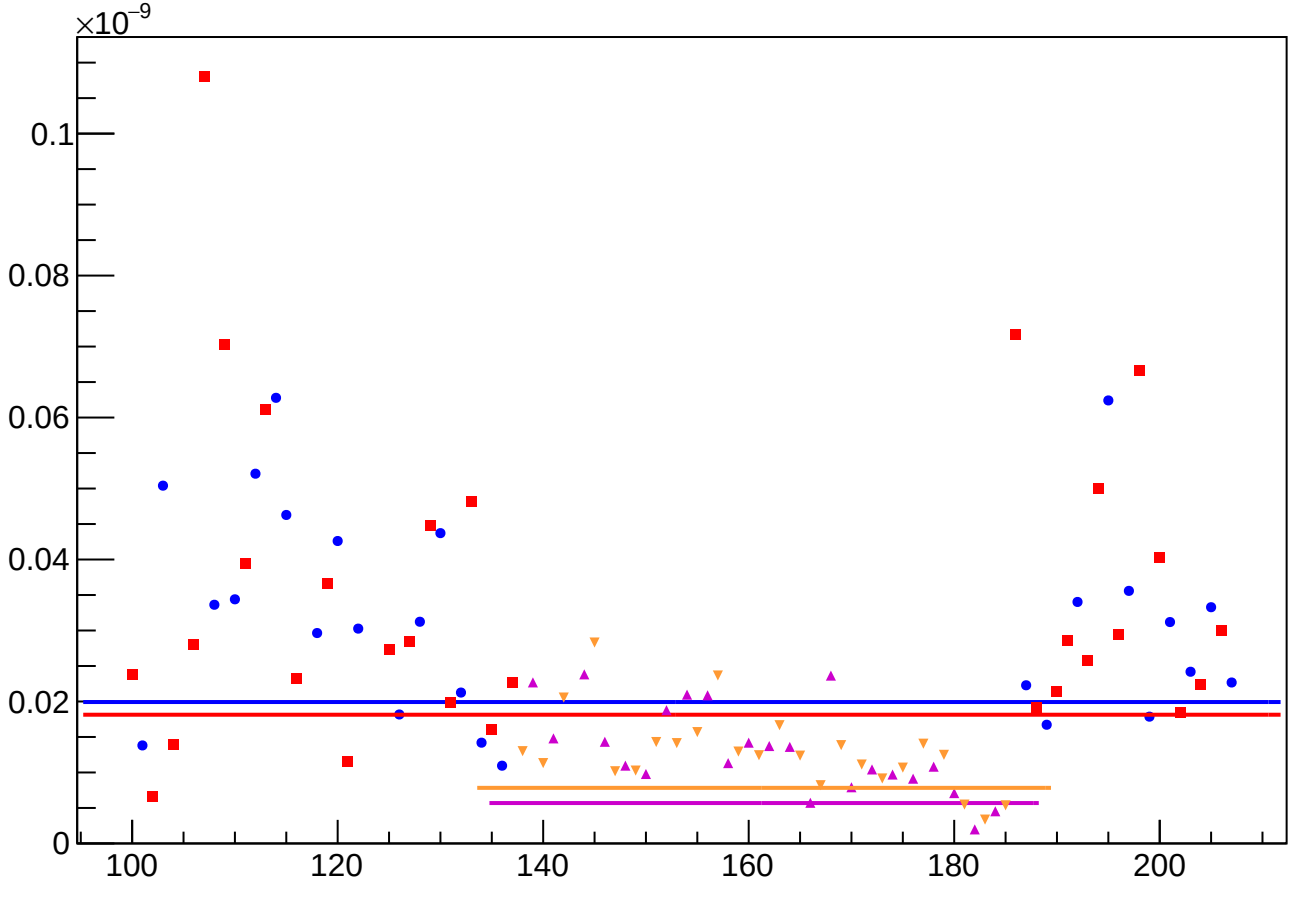
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 40.2/55

In: -0.000+/-0.000 χ^2/NDF:34.4/48

Out: 0.000+/-0.000 χ^2/NDF:33.3/53

All: -0.000+/-0.000 χ^2/NDF: 68.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 3433830.6/25

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

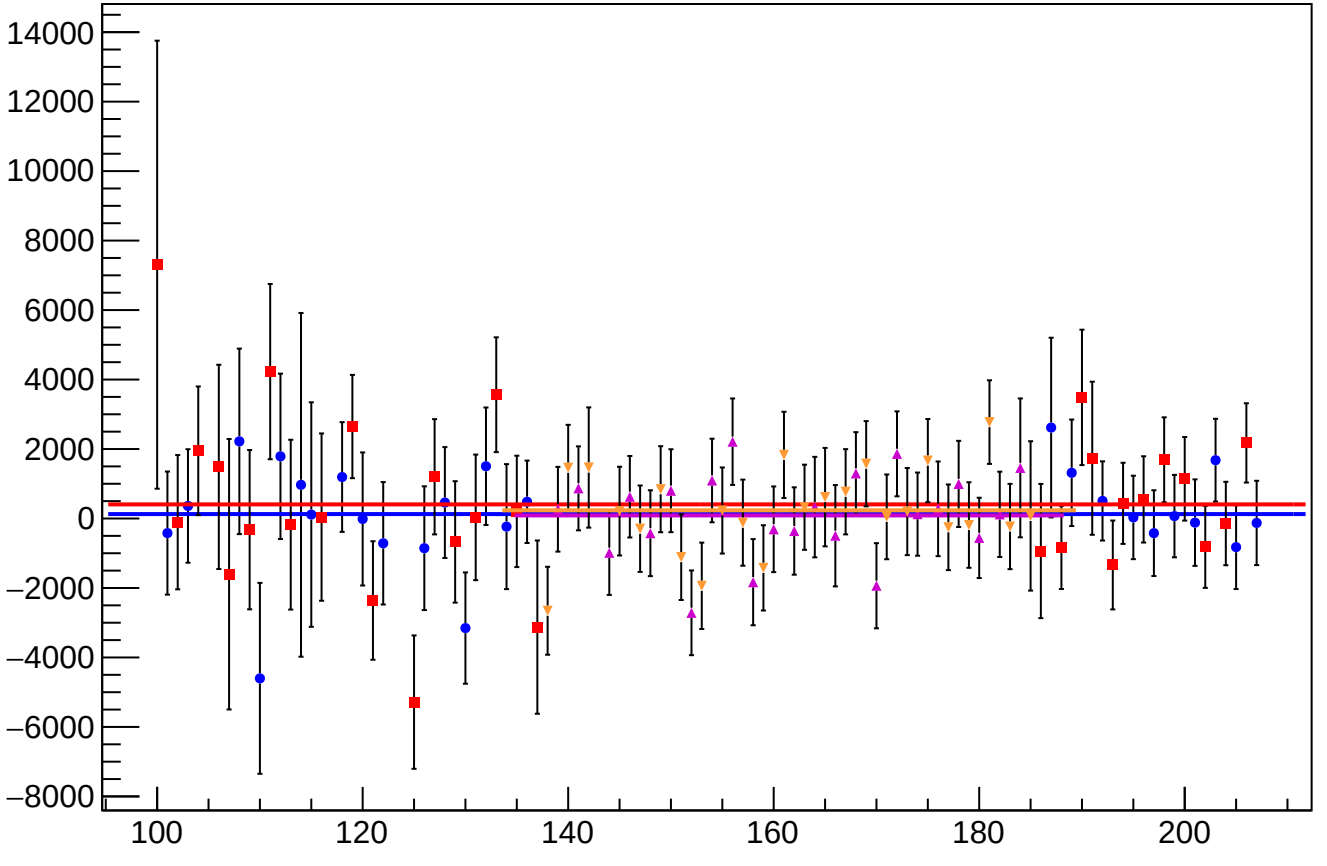
Right: 0.000+/-0.000 χ^2/NDF: 8883661.3/55

In: 0.000+/-0.000 χ^2/NDF:21081446.5/48

Out: 0.000+/-0.000 χ^2/NDF:15398065.0/53

All: 0.000+/-0.000 χ^2/NDF: 37492879.1/102

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 127.316+/-303.384 χ^2/NDF: 14.5/25

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

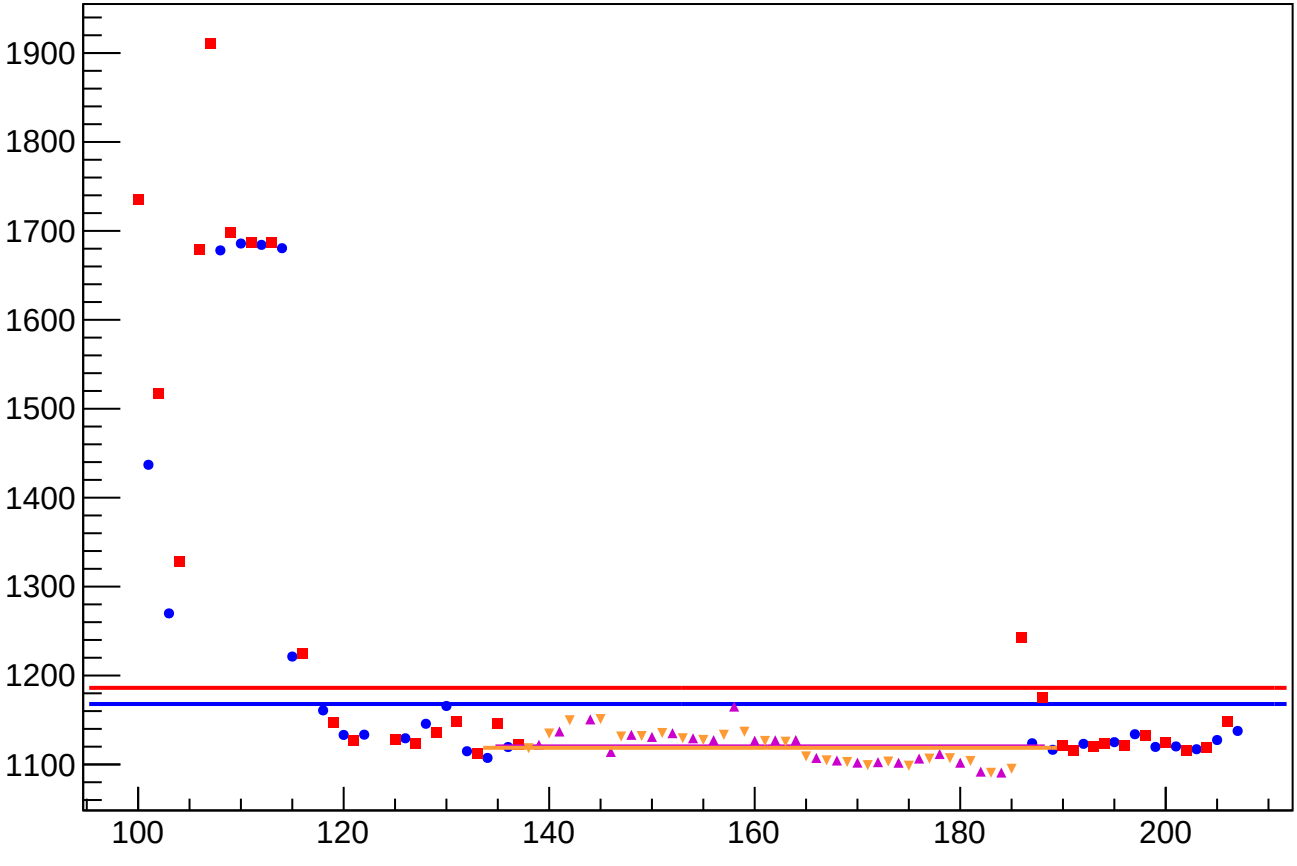
Right: 270.381+/-211.934 χ^2/NDF: 51.2/55

In: 104.984+/-198.119 χ^2/NDF:35.4/48

Out: 310.540+/-195.255 χ^2/NDF:59.2/53

All: 209.259+/-139.068 χ^2/NDF: 95.1/102

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1167.962+/-0.215 χ^2/NDF: 347815.2/25

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

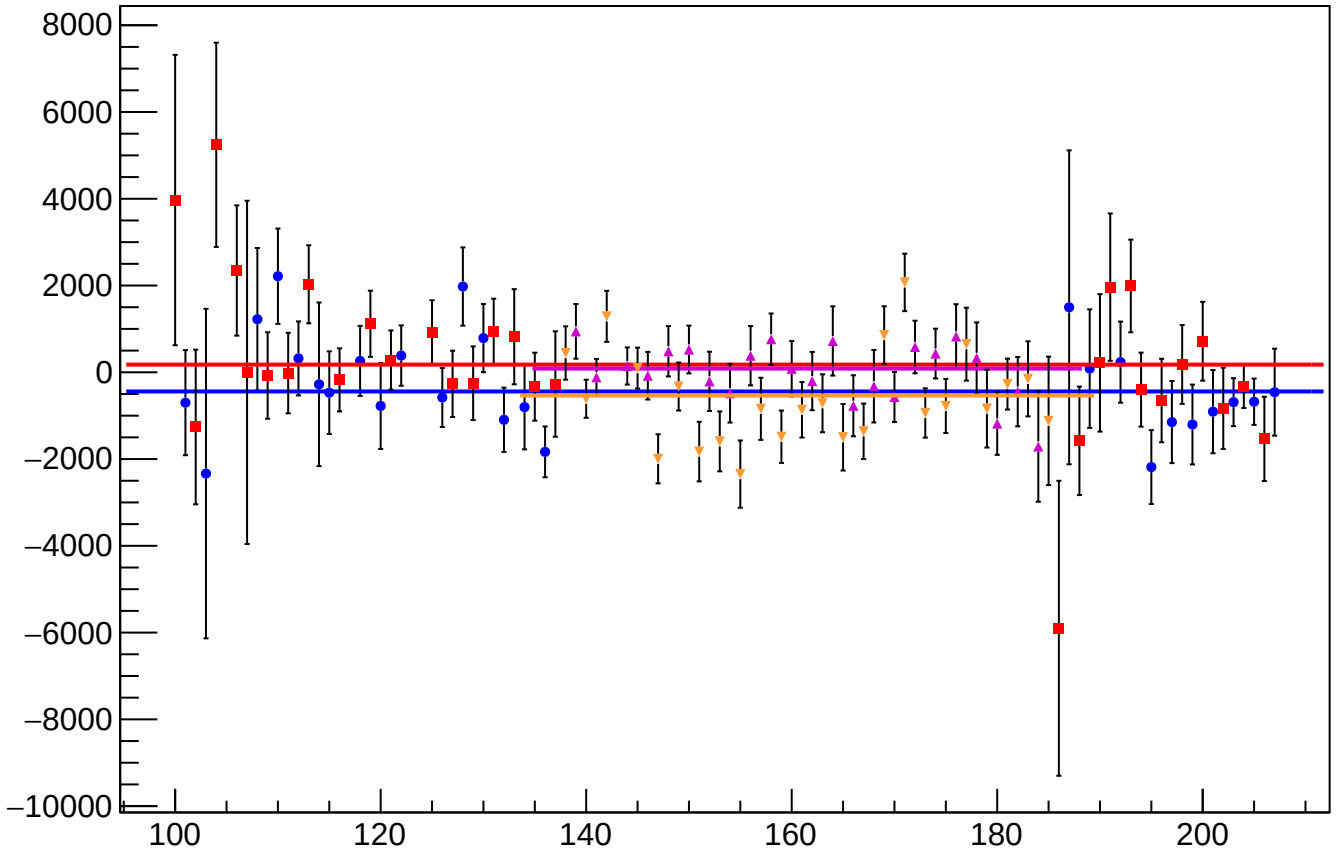
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1177.271+/-0.150 χ^2/NDF: 889421.4/55

In: 1140.630+/-0.140 χ^2/NDF:385596.4/48

Out: 1148.029+/-0.138 χ^2/NDF:604709.7/53

All: 1144.383+/-0.098 χ^2/NDF: 991721.0/102



Right In: -441.915+/-170.373 χ^2/NDF: 33.5/25

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

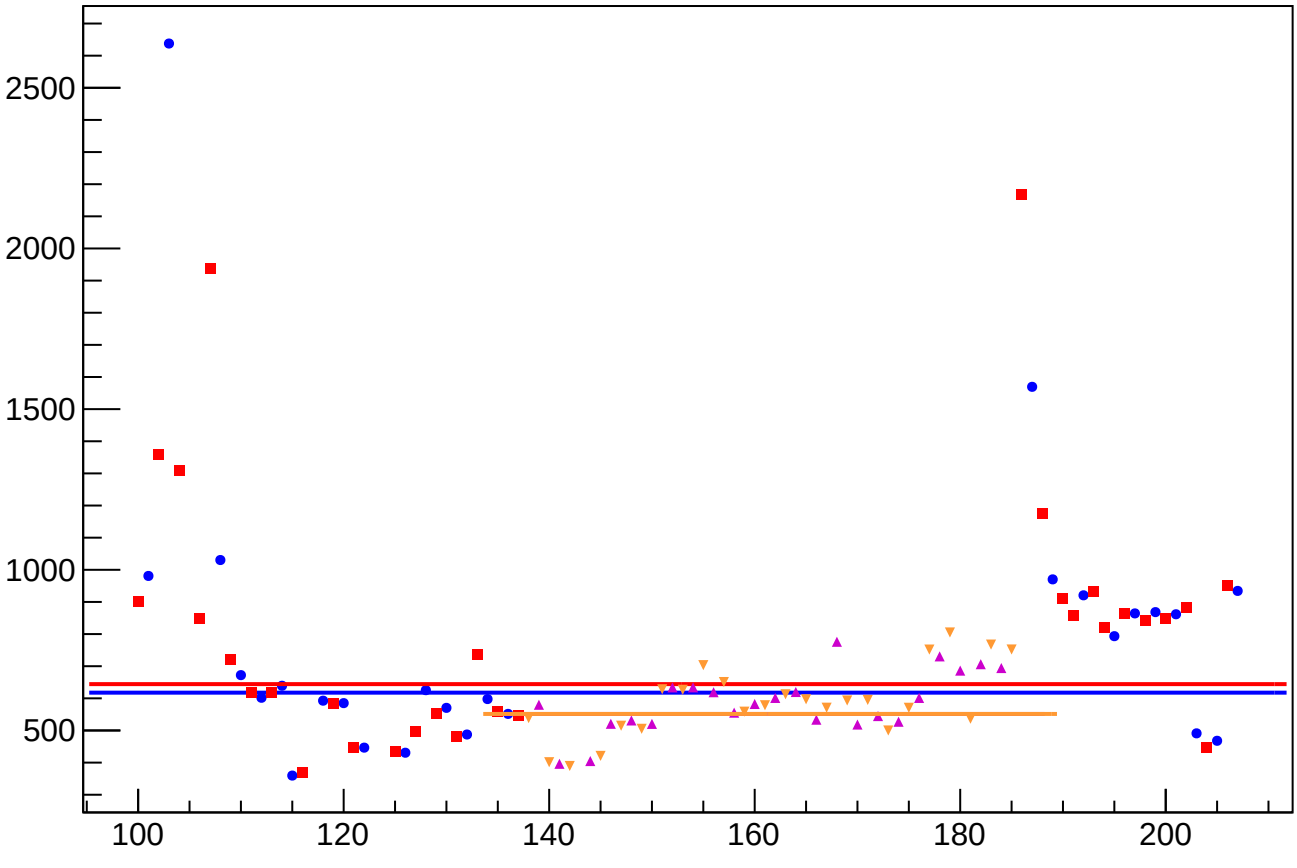
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: -136.476+/-121.232 χ^2/NDF: 74.4/55

In: -110.549+/-103.833 χ^2/NDF:56.7/48

Out: -276.194+/-104.157 χ^2/NDF:106.7/53

All: -193.114+/-73.535 χ^2/NDF: 164.7/102



Right In: 617.679+/-0.120 χ^2/NDF: 2839928.5/25

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

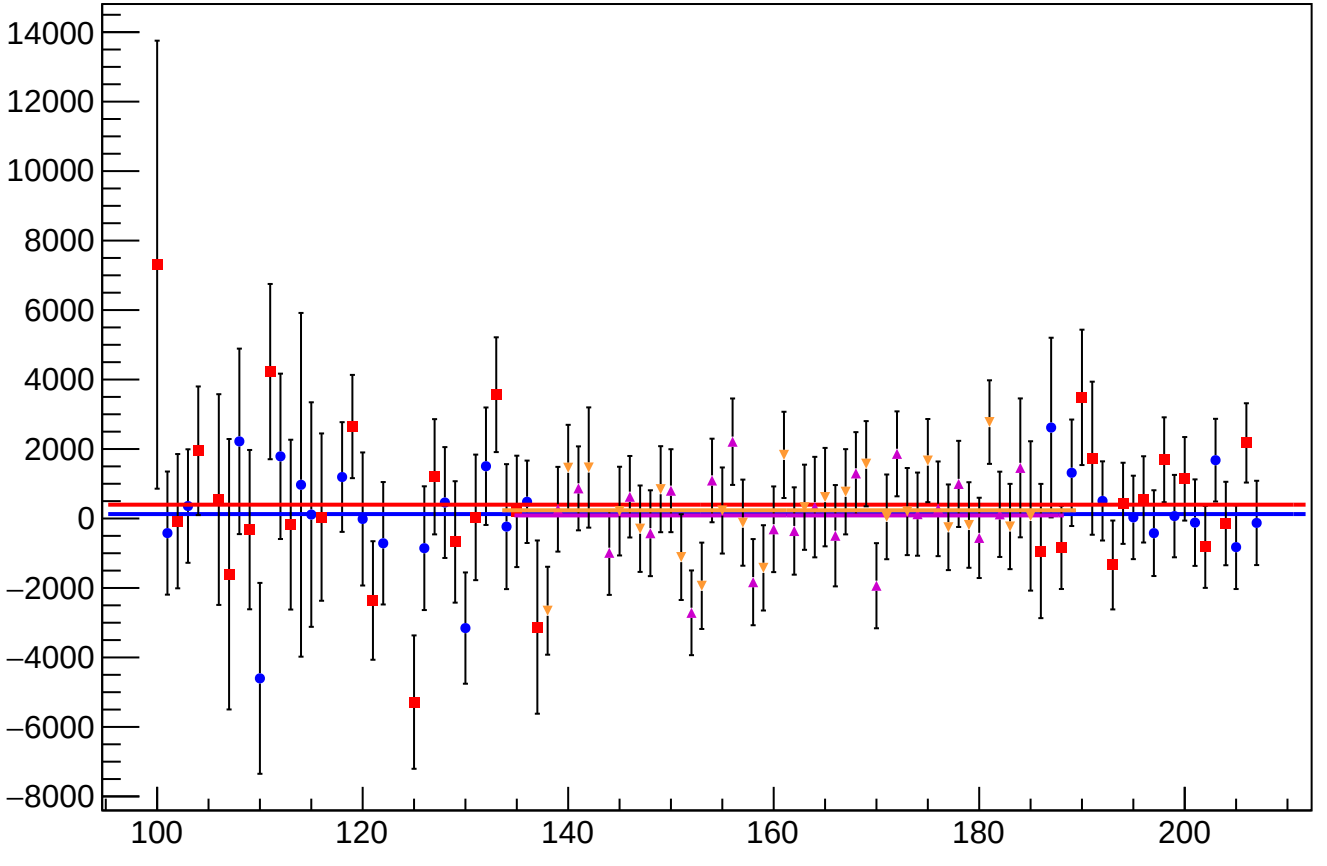
Right: 630.797+/-0.086 χ^2/NDF: 6524972.7/55

In: 575.978+/-0.073 χ^2/NDF:4092315.8/48

Out: 585.260+/-0.074 χ^2/NDF:5255447.5/53

All: 580.604+/-0.052 χ^2/NDF: 9355730.7/102

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 127.159+/-303.384 χ^2/NDF: 14.5/25

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

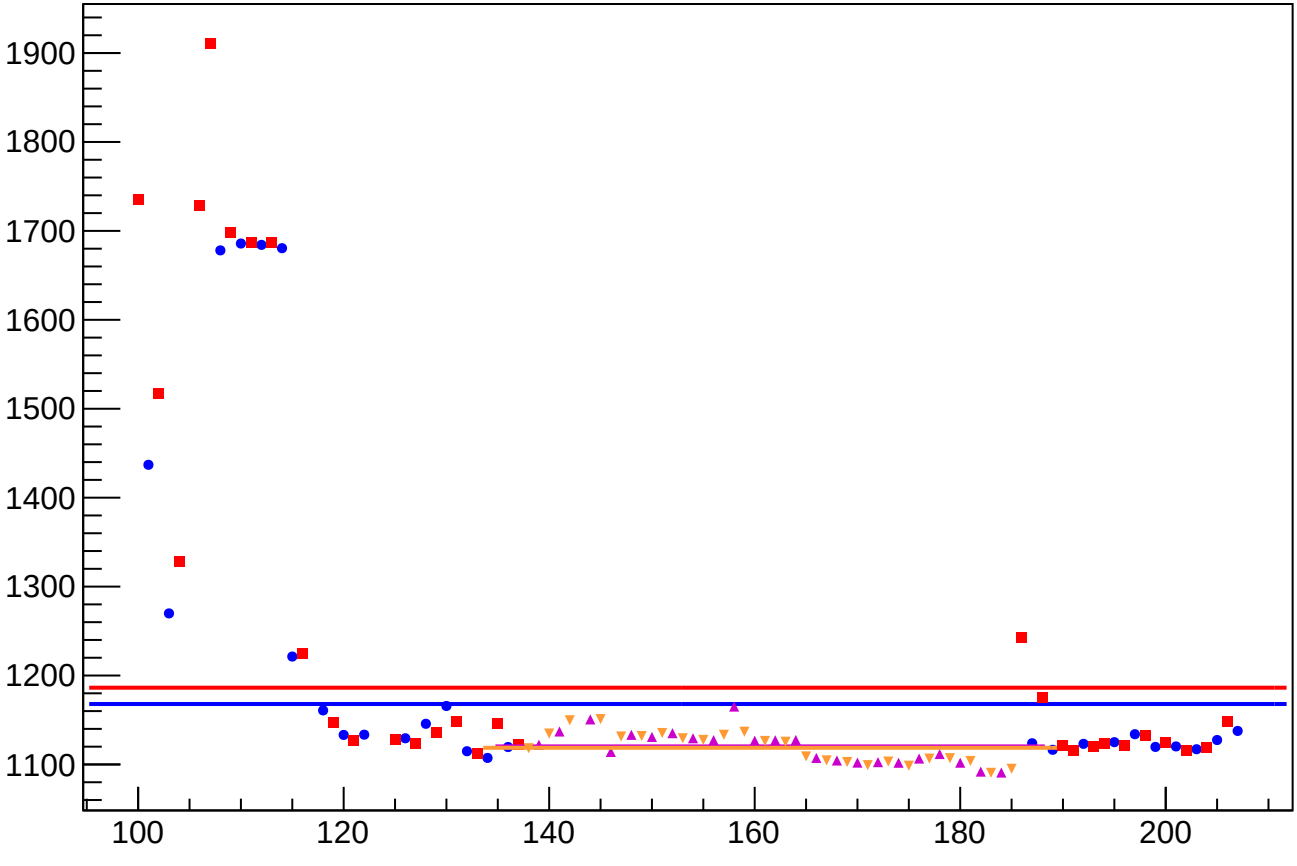
Right: 265.688+/-211.968 χ^2/NDF: 51.0/55

In: 104.912+/-198.119 χ^2/NDF:35.4/48

Out: 306.656+/-195.281 χ^2/NDF:59.0/53

All: 207.239+/-139.077 χ^2/NDF: 94.9/102

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1167.962+/-0.215 χ^2/NDF: 347815.3/25

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

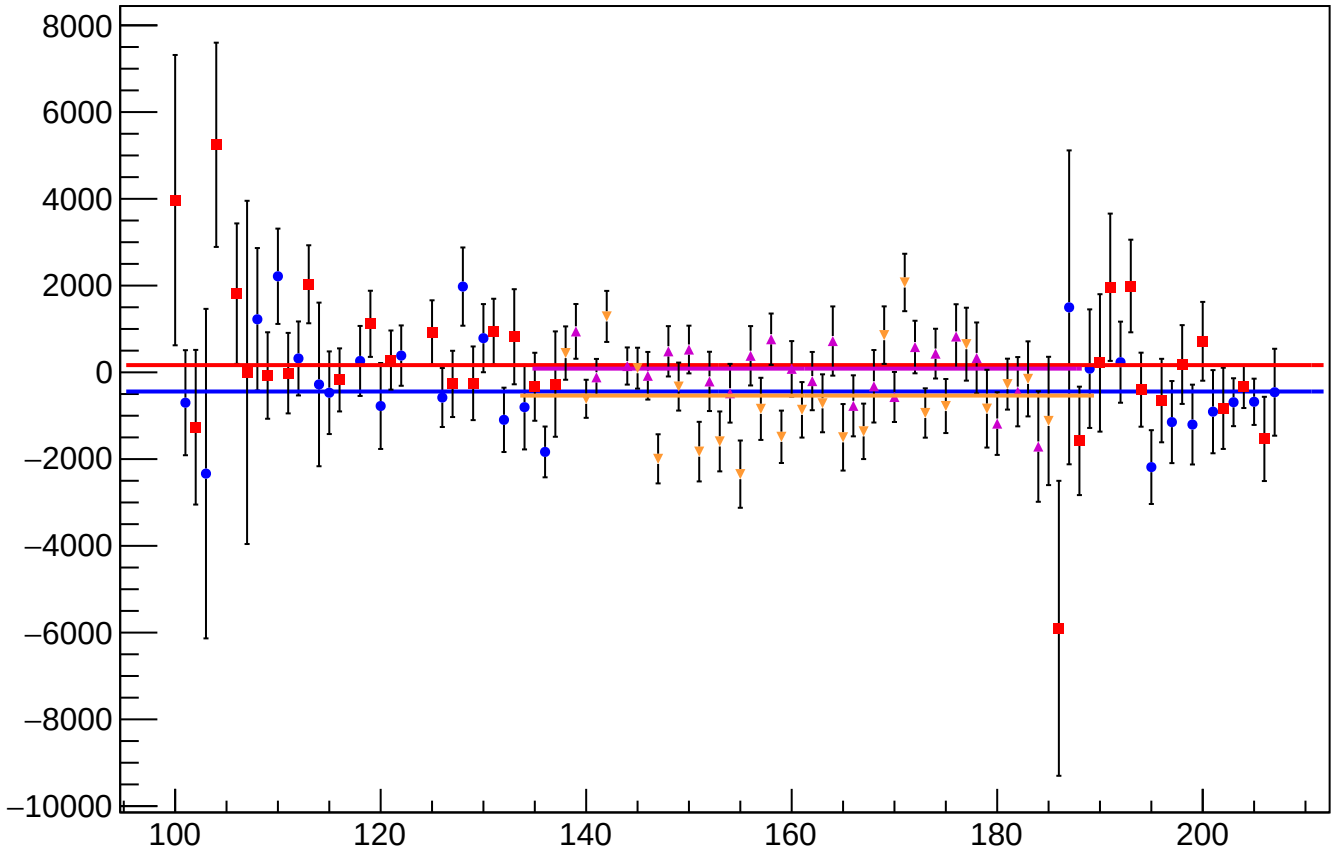
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1177.359+/-0.150 χ^2/NDF: 897373.5/55

In: 1140.630+/-0.140 χ^2/NDF:385596.5/48

Out: 1148.096+/-0.138 χ^2/NDF:612878.7/53

All: 1144.417+/-0.098 χ^2/NDF: 999915.5/102



Right In: -441.883+/-170.373 χ^2/NDF: 33.6/25

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

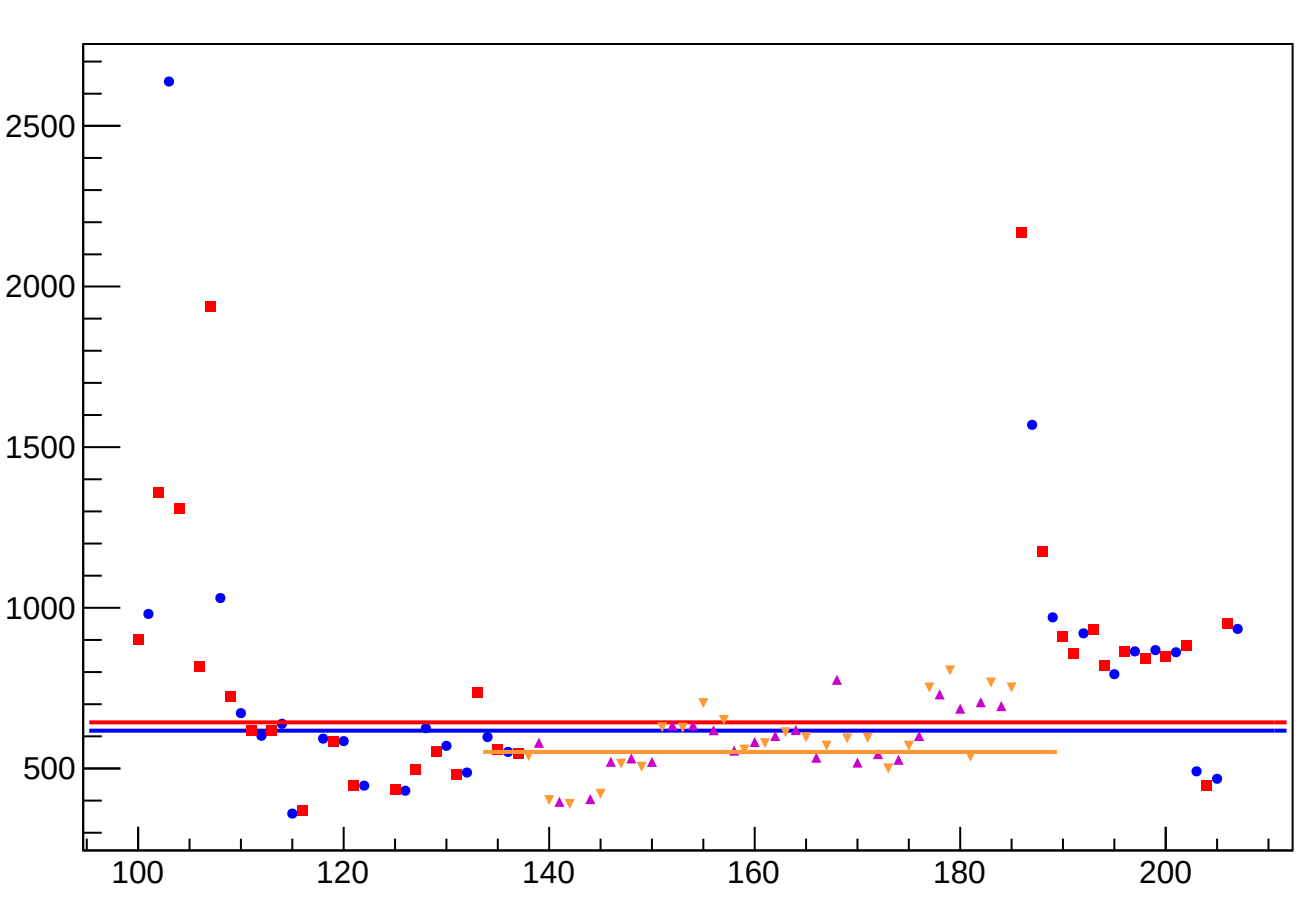
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -141.724+/-121.287 χ^2/NDF: 73.1/55

In: -110.545+/-103.833 χ^2/NDF:56.7/48

Out: -280.191+/-104.192 χ^2/NDF:105.4/53

All: -195.075+/-73.548 χ^2/NDF: 163.4/102



Right In: 617.676+/-0.120 χ^2/NDF: 2839922.3/25

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

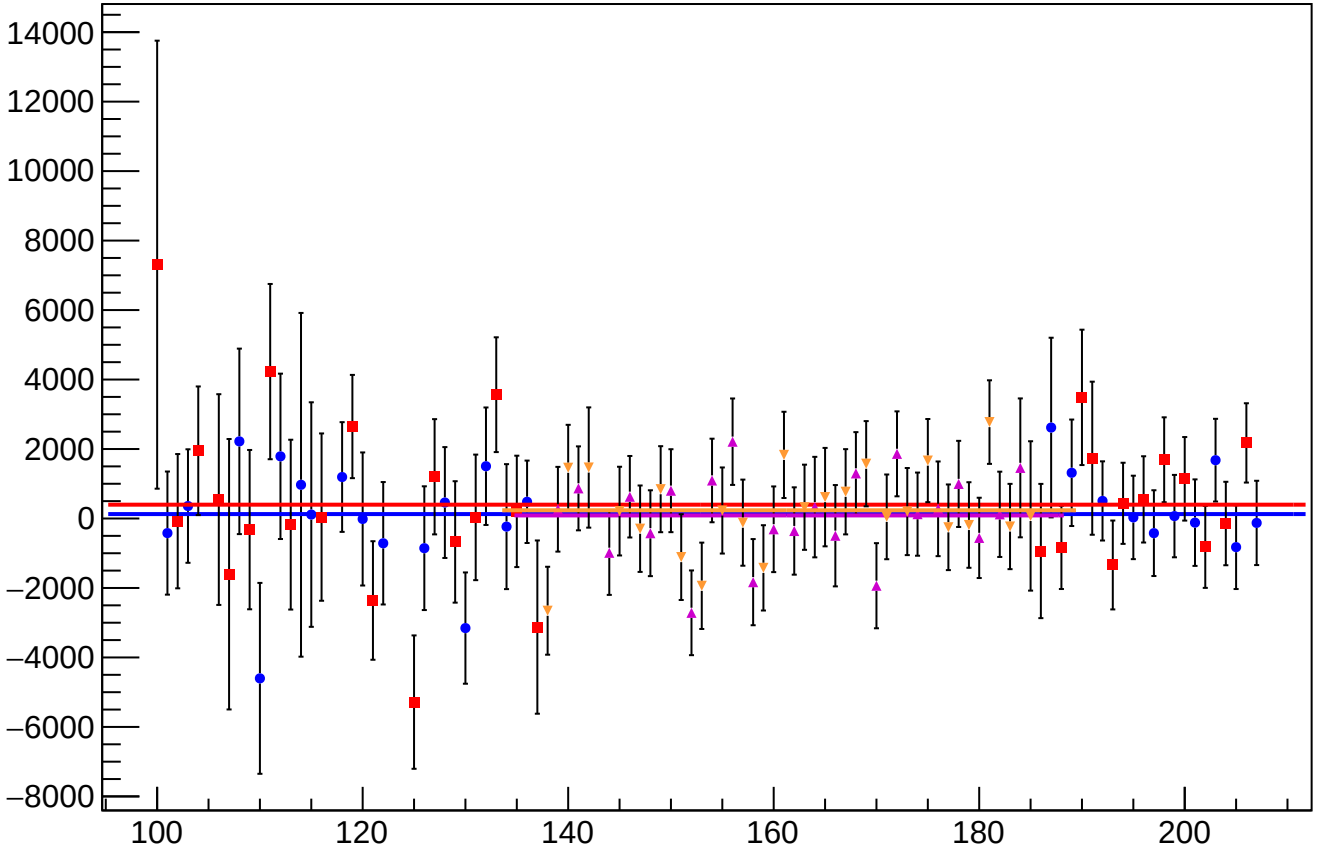
Right: 630.420+/-0.086 χ^2/NDF: 6509949.0/55

In: 575.976+/-0.073 χ^2/NDF:4092265.9/48

Out: 584.952+/-0.074 χ^2/NDF:5235543.7/53

All: 580.449+/-0.052 χ^2/NDF: 9335257.1/102

eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 127.159+/-303.384 χ^2/NDF: 14.5/25

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

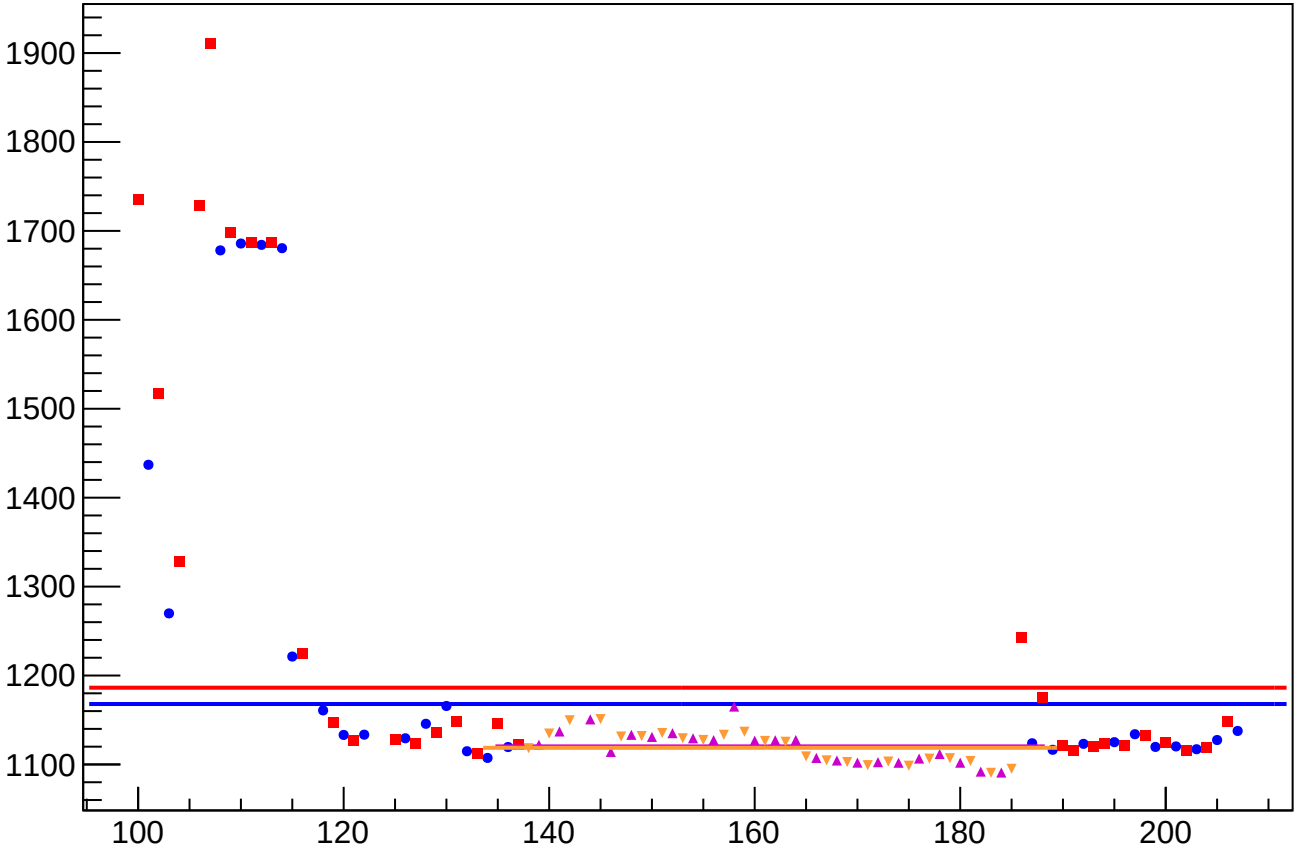
Right: 265.688+/-211.968 χ^2/NDF: 51.0/55

In: 104.912+/-198.119 χ^2/NDF:35.4/48

Out: 306.656+/-195.281 χ^2/NDF:59.0/53

All: 207.239+/-139.077 χ^2/NDF: 94.9/102

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1167.962+/-0.215 χ^2/NDF: 347815.3/25

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

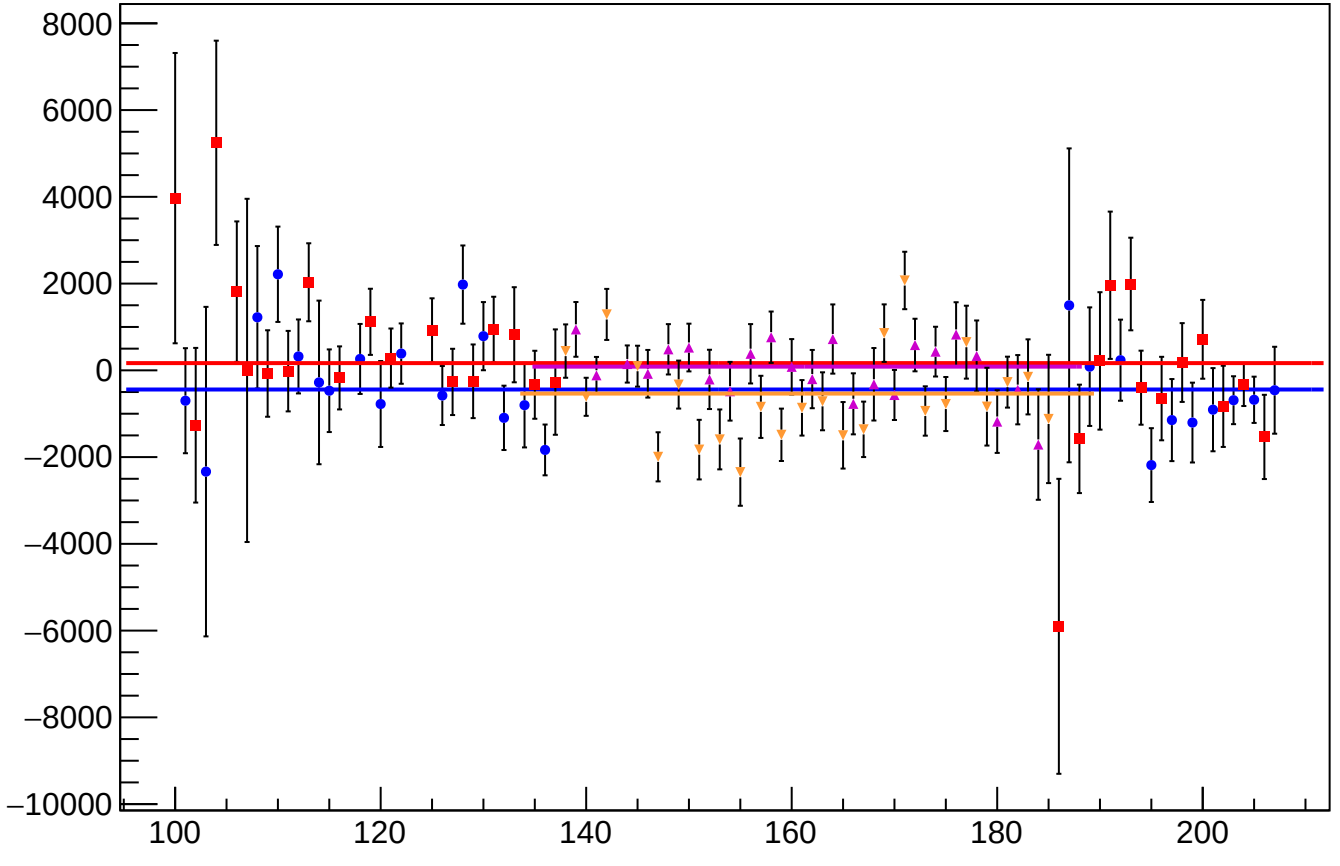
Right: 1177.359+/-0.150 χ^2/NDF: 897373.5/55

In: 1140.630+/-0.140 χ^2/NDF:385596.5/48

Out: 1148.096+/-0.138 χ^2/NDF:612878.7/53

All: 1144.417+/-0.098 χ^2/NDF: 999915.5/102

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -441.883+/-170.373 χ^2/NDF: 33.6/25

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

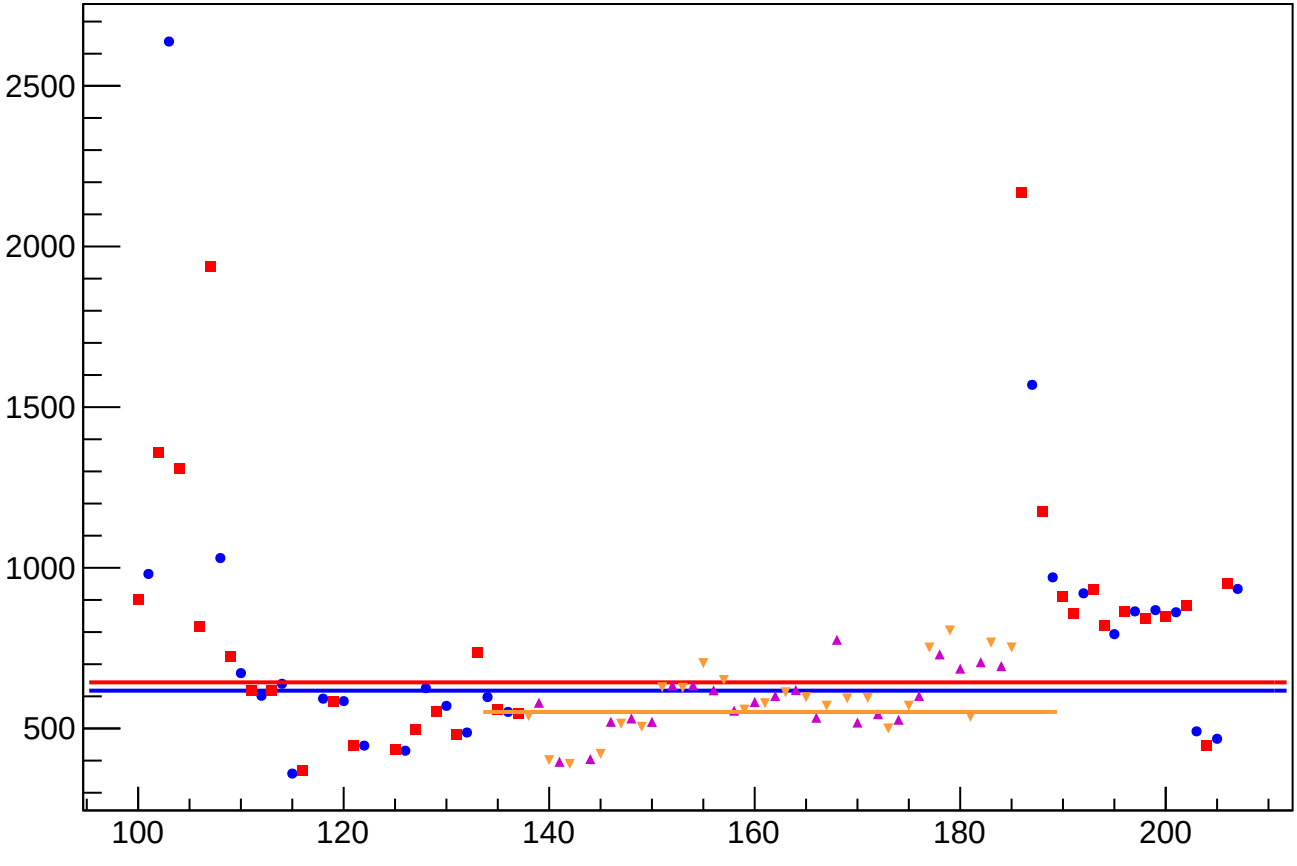
Right: -141.724+/-121.287 χ^2/NDF: 73.1/55

In: -110.545+/-103.833 χ^2/NDF:56.7/48

Out: -280.191+/-104.192 χ^2/NDF:105.4/53

All: -195.075+/-73.548 χ^2/NDF: 163.4/102

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 617.676+/-0.120 χ^2/NDF: 2839922.3/25

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

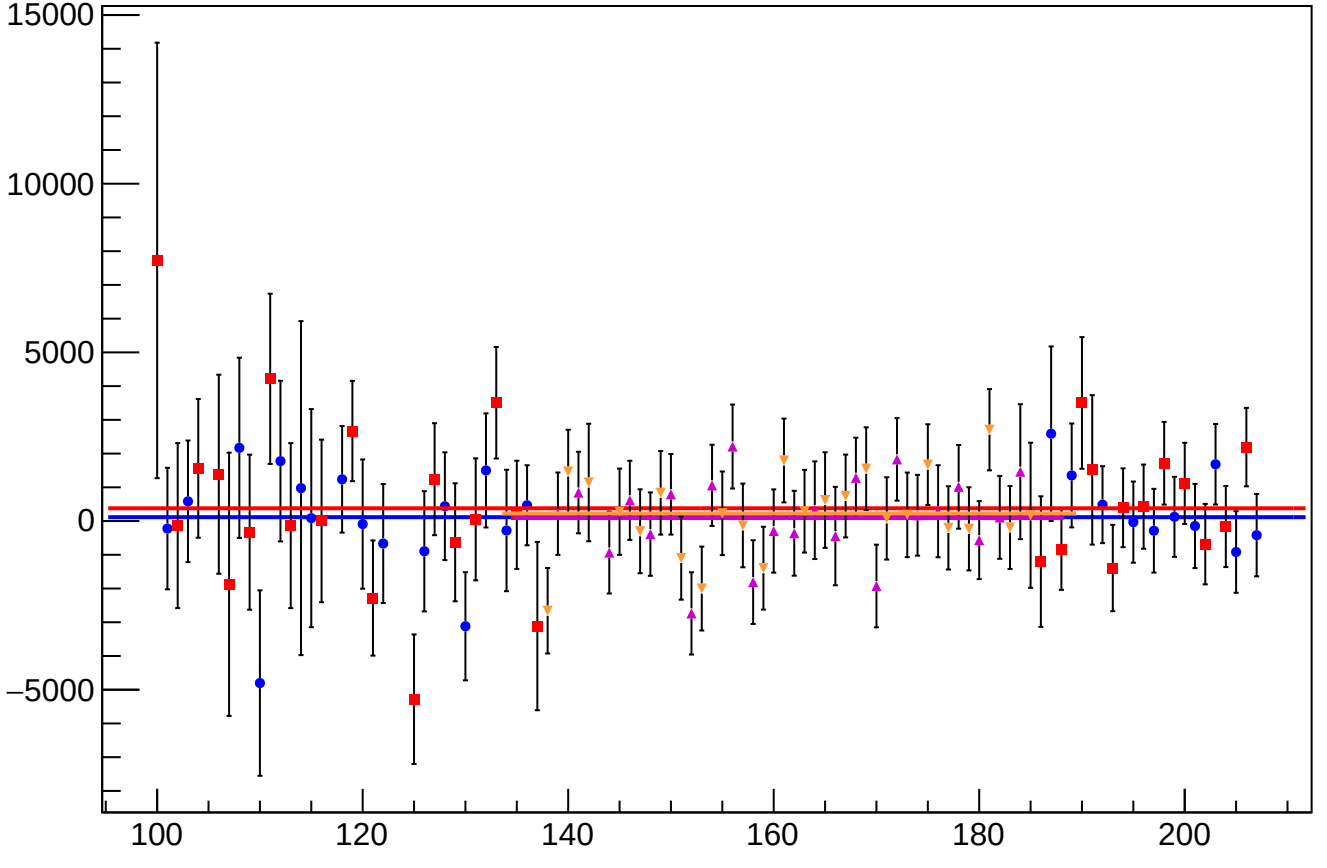
Right: 630.420+/-0.086 χ^2/NDF: 6509949.0/55

In: 575.976+/-0.073 χ^2/NDF:4092265.9/48

Out: 584.952+/-0.074 χ^2/NDF:5235543.7/53

All: 580.449+/-0.052 χ^2/NDF: 9335257.1/102

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 114.838+/-304.974 χ^2/NDF: 14.8/25

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

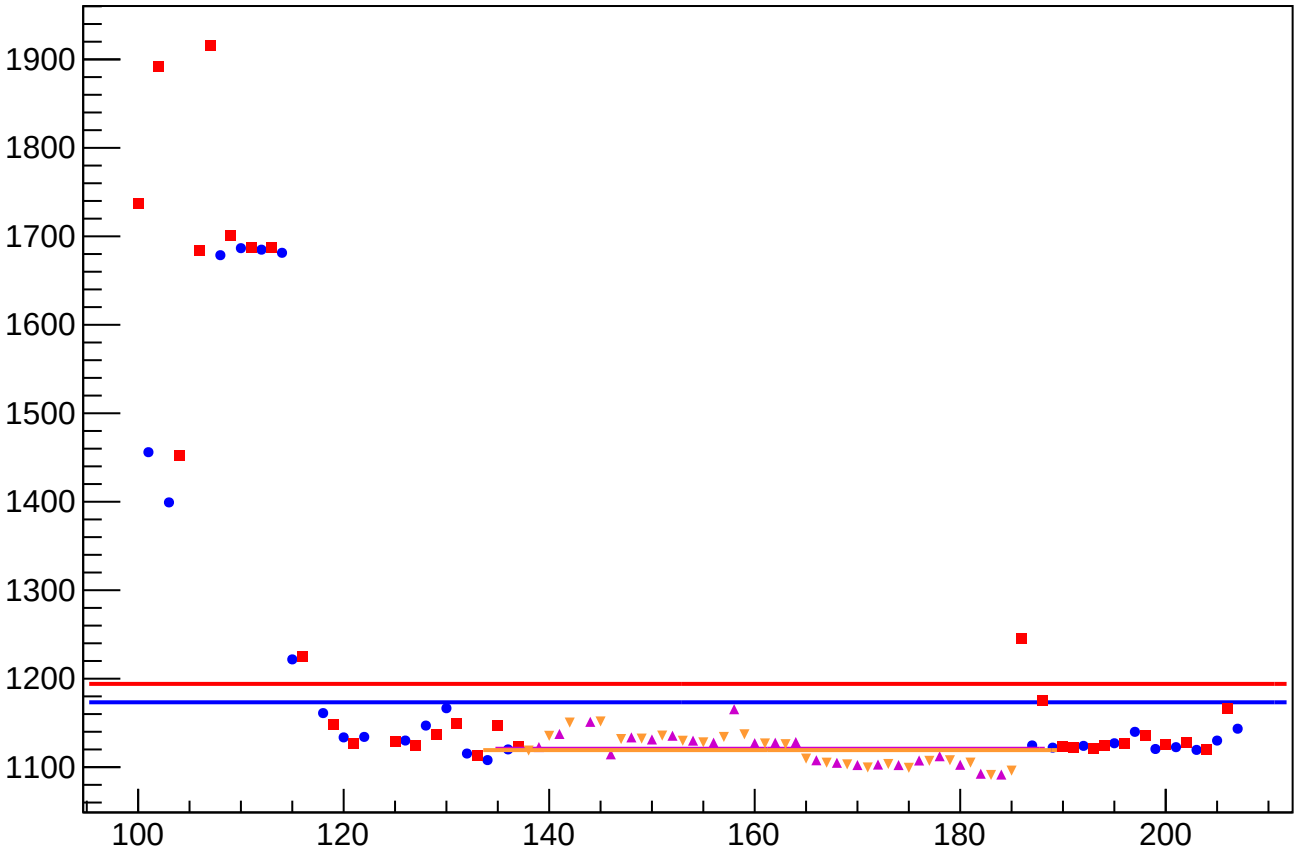
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 249.185+/-213.551 χ^2/NDF: 50.9/55

In: 100.003+/-198.610 χ^2/NDF:35.4/48

Out: 291.359+/-196.159 χ^2/NDF:58.0/53

All: 196.869+/-139.564 χ^2/NDF: 93.9/102



Right In: 1173.316+/-0.216 χ^2/NDF: 374796.5/25

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

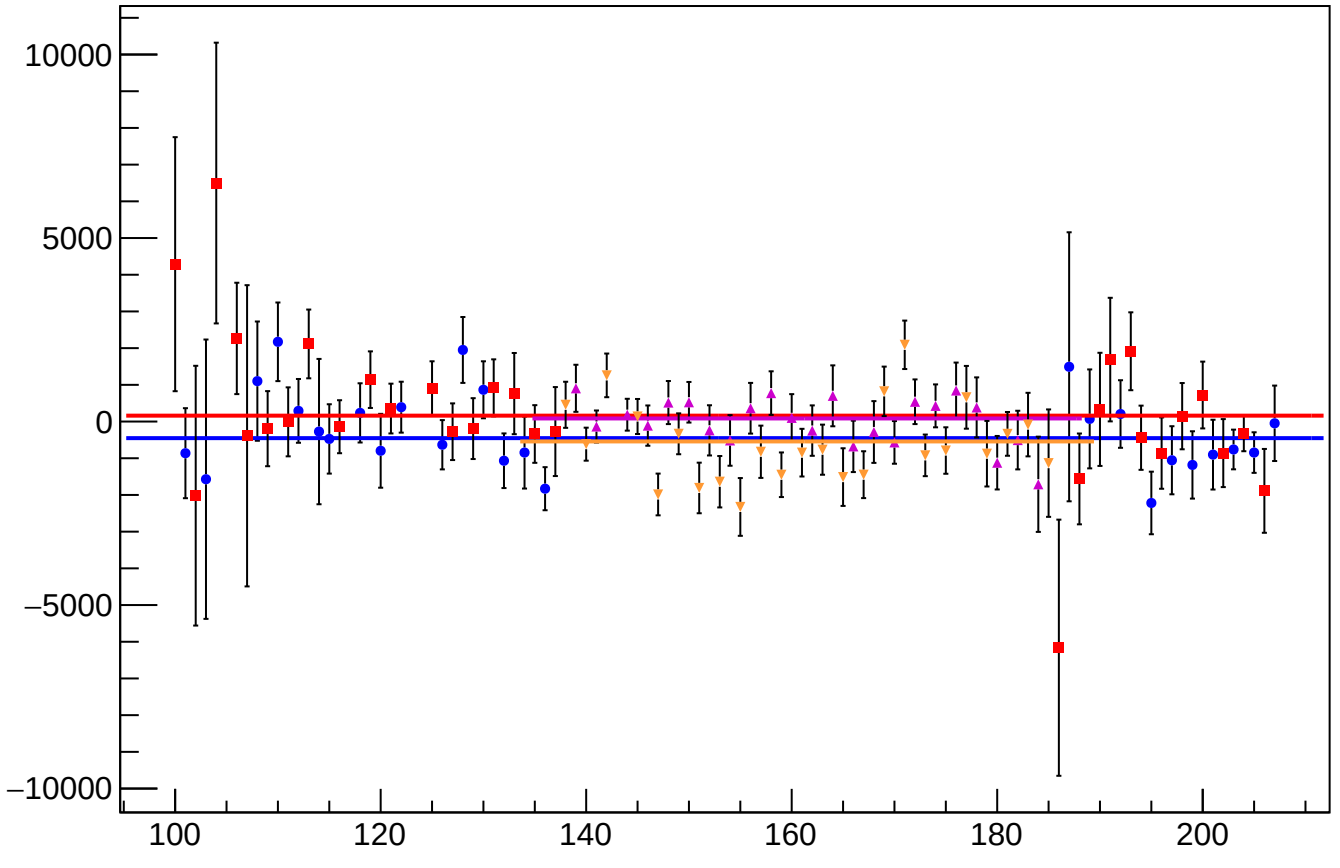
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1183.915+/-0.151 χ^2/NDF: 1041917.1/55

In: 1143.073+/-0.140 χ^2/NDF:418375.8/48

Out: 1151.448+/-0.139 χ^2/NDF:741906.5/53

All: 1147.312+/-0.099 χ^2/NDF: 1162082.7/10



Right In: -452.083+/-170.421 χ^2/NDF: 34.2/25

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

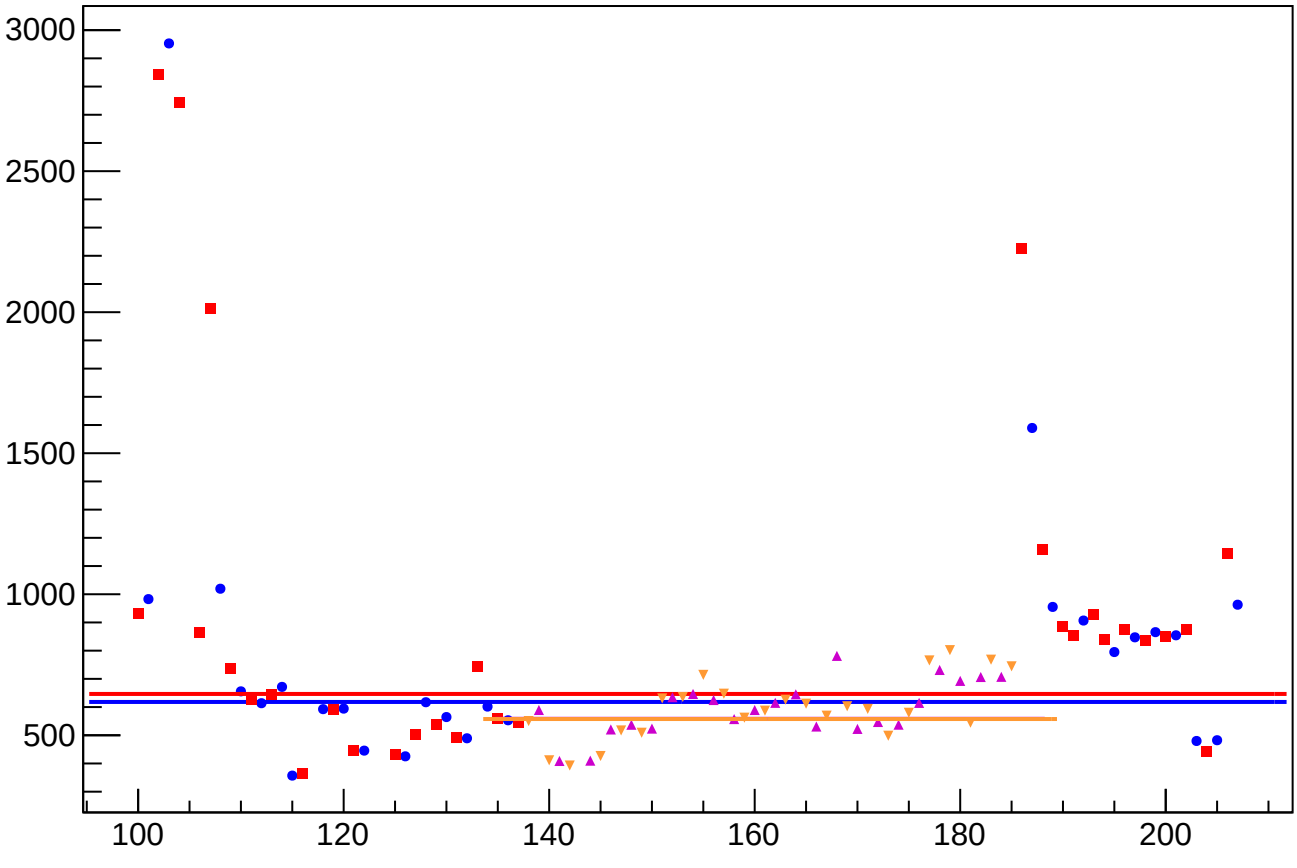
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -153.349+/-121.990 χ^2/NDF: 72.8/55

In: -117.984+/-104.628 χ^2/NDF:56.7/48

Out: -286.378+/-105.323 χ^2/NDF:103.5/53

All: -201.623+/-74.227 χ^2/NDF: 161.5/102



Right In: 618.118+/-0.121 χ^2/NDF: 3010736.7/25

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

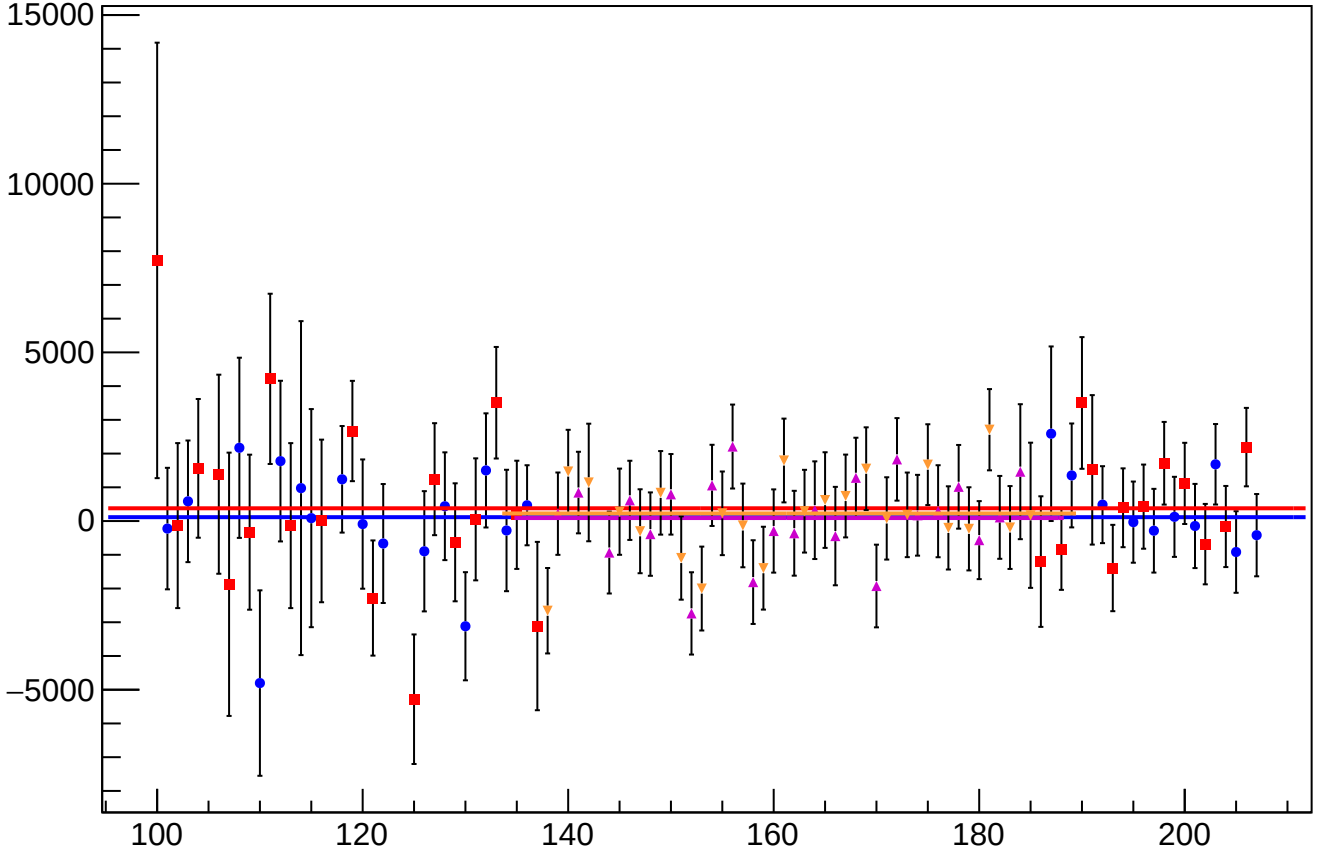
Right: 631.966+/-0.086 χ^2/NDF: 7810157.7/55

In: 580.904+/-0.074 χ^2/NDF:4191602.7/48

Out: 589.913+/-0.074 χ^2/NDF:6295467.2/53

All: 585.379+/-0.052 χ^2/NDF: 10494435.1/10

eigen_dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 114.839+/-304.974 χ^2/NDF: 14.8/25

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

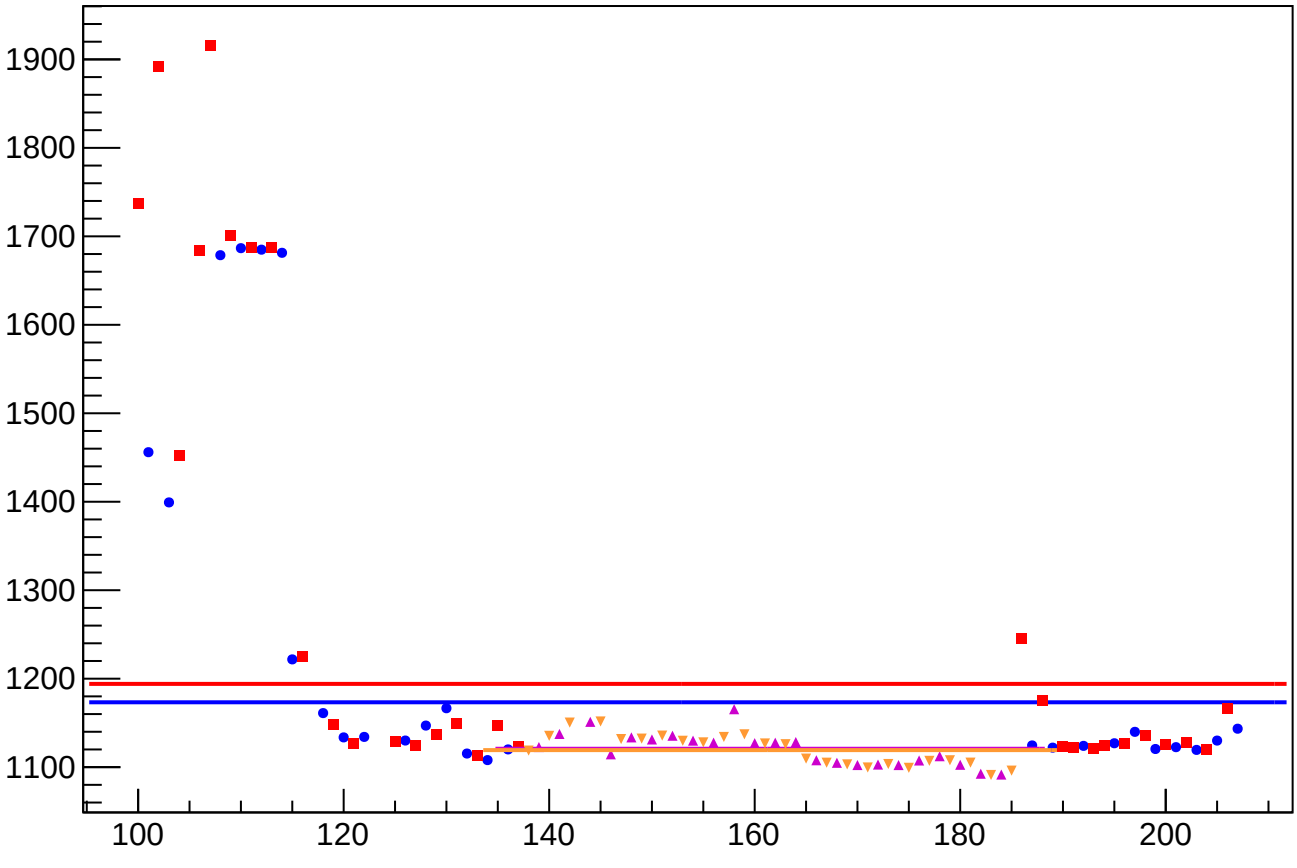
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 249.185+/-213.551 χ^2/NDF: 50.9/55

In: 100.004+/-198.610 χ^2/NDF:35.4/48

Out: 291.358+/-196.159 χ^2/NDF:58.0/53

All: 196.869+/-139.564 χ^2/NDF: 93.9/102



Right In: 1173.316+/-0.216 χ^2/NDF: 374796.0/25

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

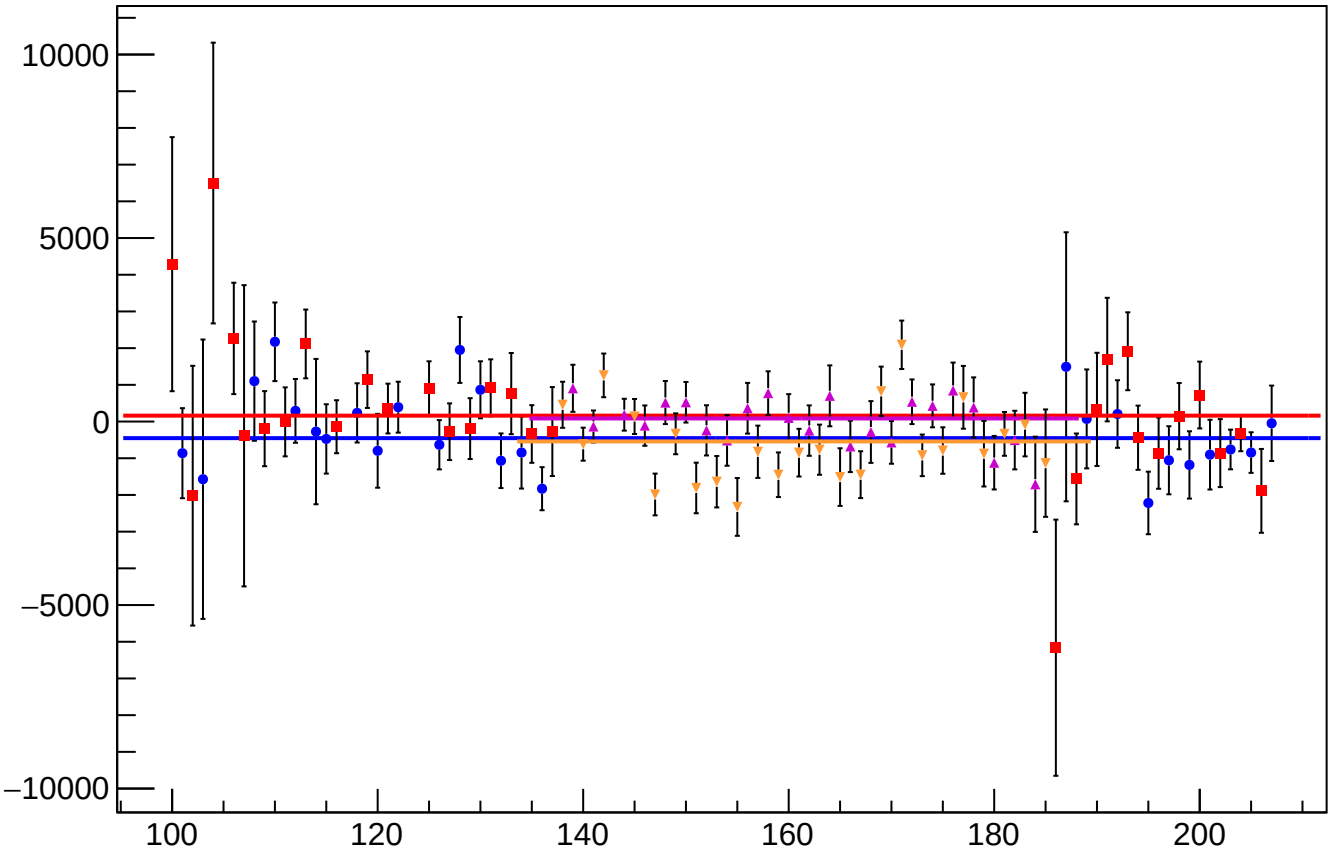
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1183.915+/-0.151 χ^2/NDF: 1041915.9/55

In: 1143.073+/-0.140 χ^2/NDF:418375.3/48

Out: 1151.448+/-0.139 χ^2/NDF:741905.8/53

All: 1147.312+/-0.099 χ^2/NDF: 1162081.5/10



Right In: -452.083+/-170.421 χ^2/NDF: 34.2/25

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

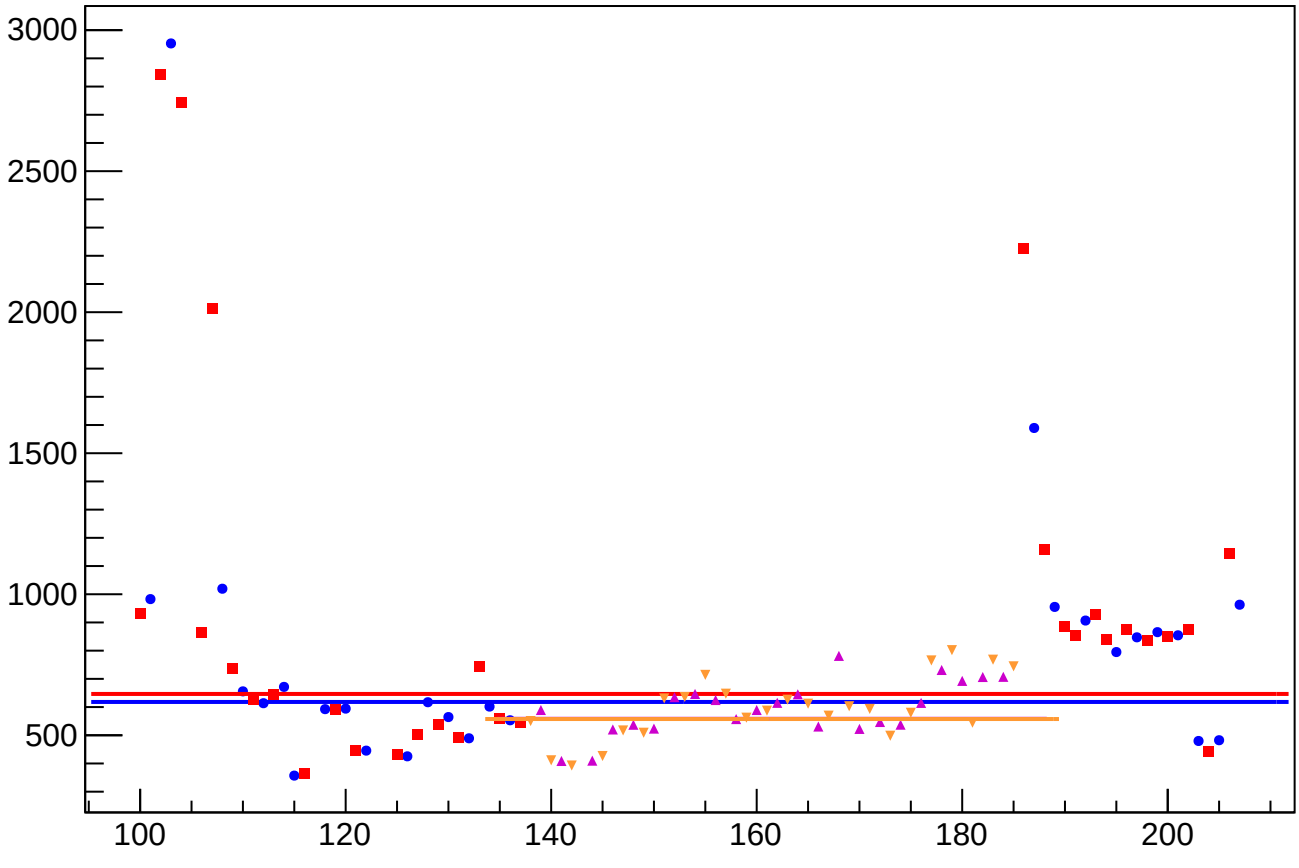
Left: -230.004+/-93.535 χ^2/NDF: 88.5/46

Right: -153.349+/-121.990 χ^2/NDF: 72.8/55

In: -117.984+/-104.627 χ^2/NDF:56.7/48

Out: -286.378+/-105.323 χ^2/NDF:103.5/53

All: -201.623+/-74.227 χ^2/NDF: 161.5/102



Right In: 618.117+/-0.121 χ^2/NDF: 3010736.9/25

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

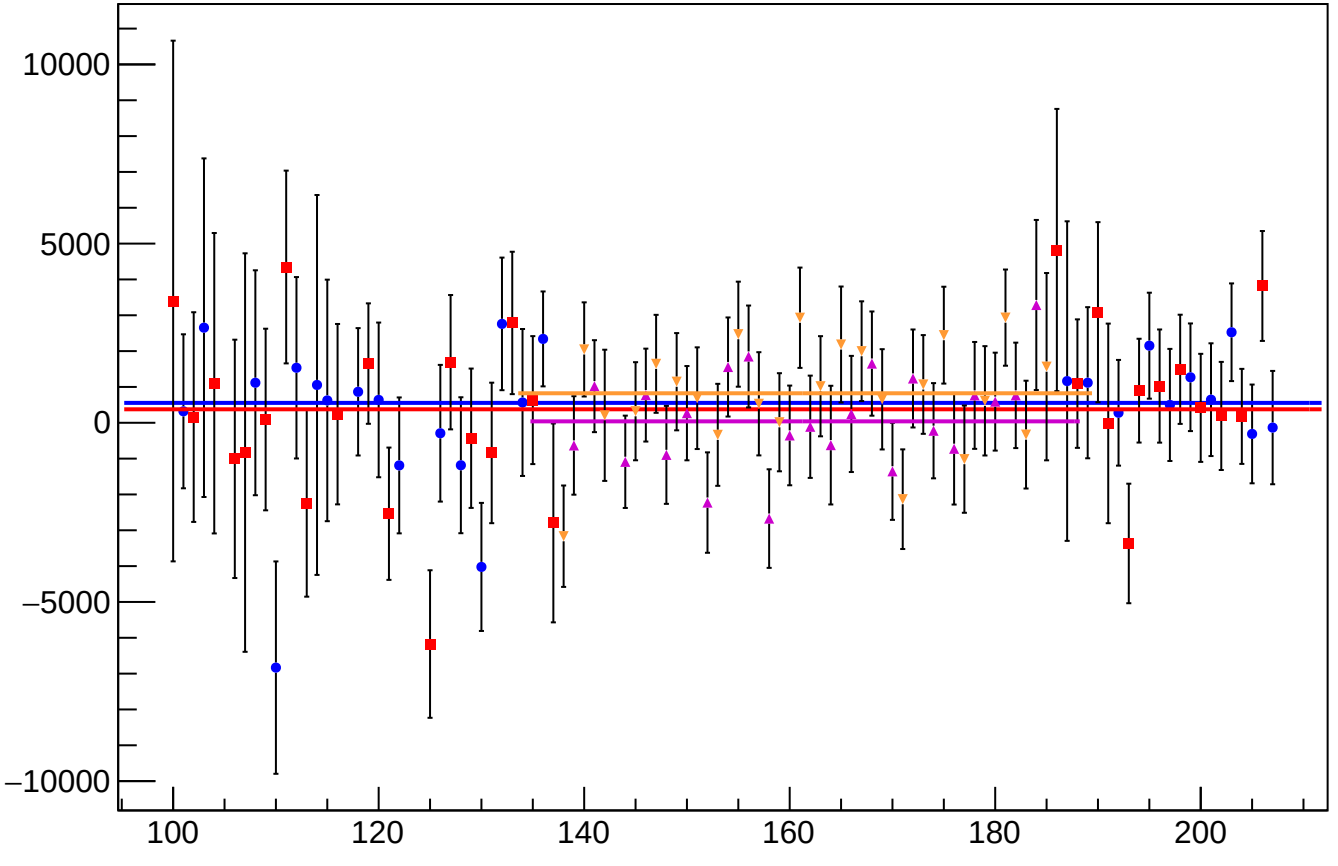
Right: 631.965+/-0.086 χ^2/NDF: 7810164.0/55

In: 580.904+/-0.074 χ^2/NDF:4191619.0/48

Out: 589.913+/-0.074 χ^2/NDF:6295497.9/53

All: 585.379+/-0.052 χ^2/NDF: 10494482.0/10

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 555.163+/-366.486 χ^2/NDF: 22.5/25

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

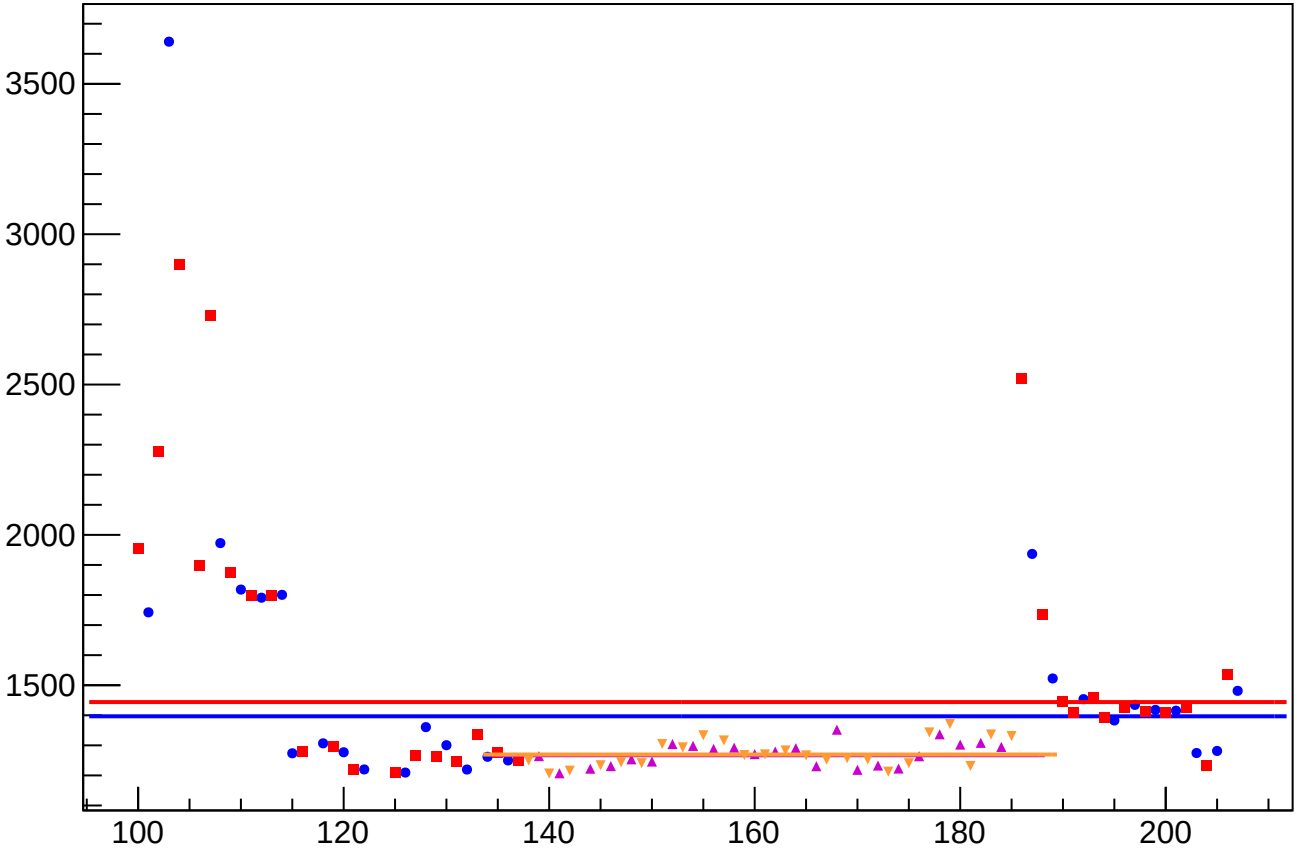
Right: 465.276+/-258.597 χ^2/NDF: 56.9/55

In: 243.205+/-230.276 χ^2/NDF:41.6/48

Out: 646.717+/-229.341 χ^2/NDF:61.3/53

All: 445.781+/-162.498 χ^2/NDF: 104.5/102

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1396.629+/-0.259 χ^2/NDF: 856645.0/25

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

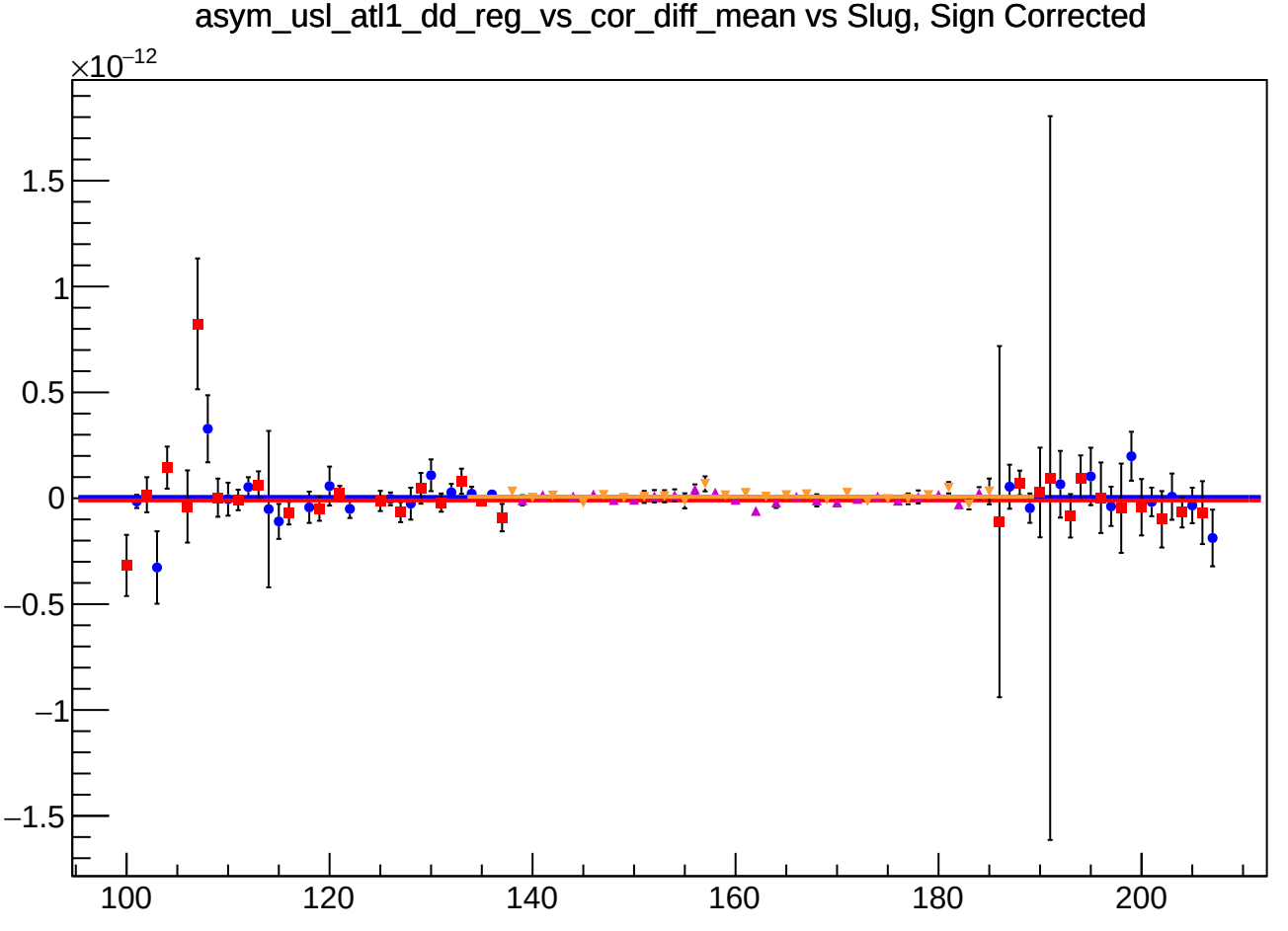
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1420.387+/-0.183 χ^2/NDF: 1994921.9/55

In: 1318.218+/-0.163 χ^2/NDF:1042469.8/48

Out: 1338.357+/-0.162 χ^2/NDF:1441274.0/53

All: 1328.329+/-0.115 χ^2/NDF: 2491423.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/25

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

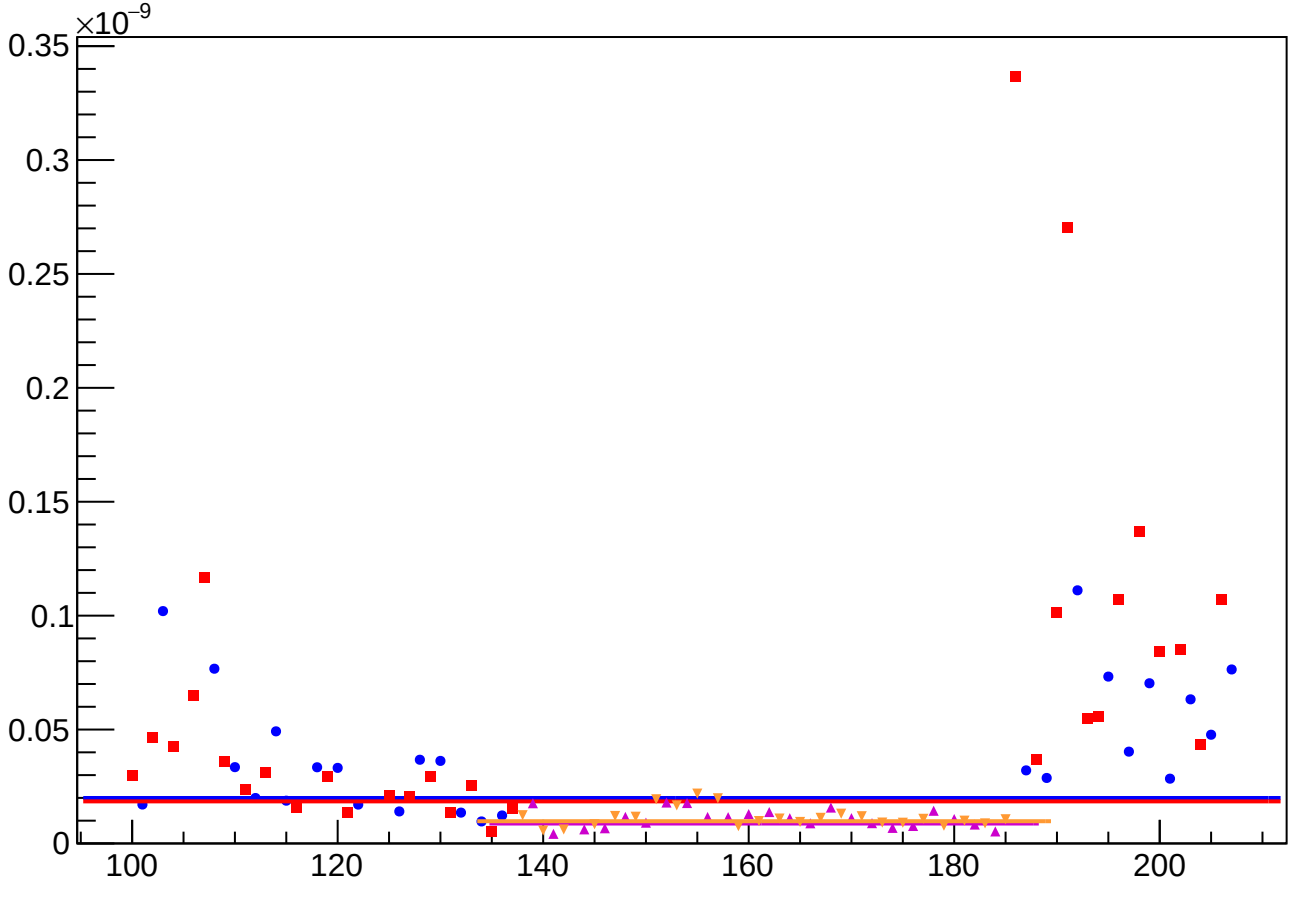
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 54.0/55

In: 0.000+/-0.000 χ^2/NDF:46.8/48

Out: 0.000+/-0.000 χ^2/NDF:51.2/53

All: 0.000+/-0.000 χ^2/NDF: 98.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 4195482.4/25

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

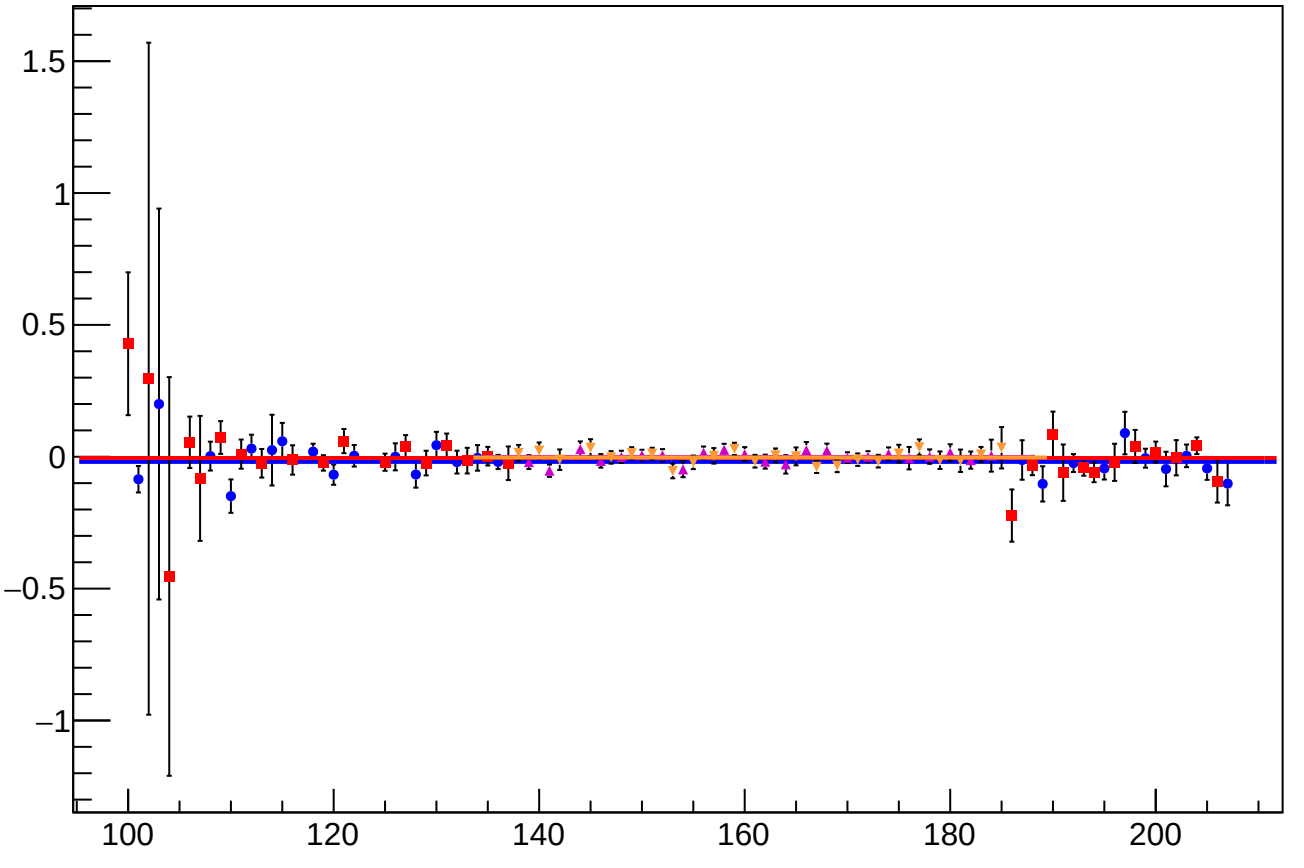
Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

Right: 0.000+/-0.000 χ^2/NDF: 11256835.4/55

In: 0.000+/-0.000 χ^2/NDF:8242595.3/48

Out: 0.000+/-0.000 χ^2/NDF:9705282.7/53

All: 0.000+/-0.000 χ^2/NDF: 18007174.3/102



Right In: -0.019+/-0.009 χ^2/NDF: 20.4/25

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

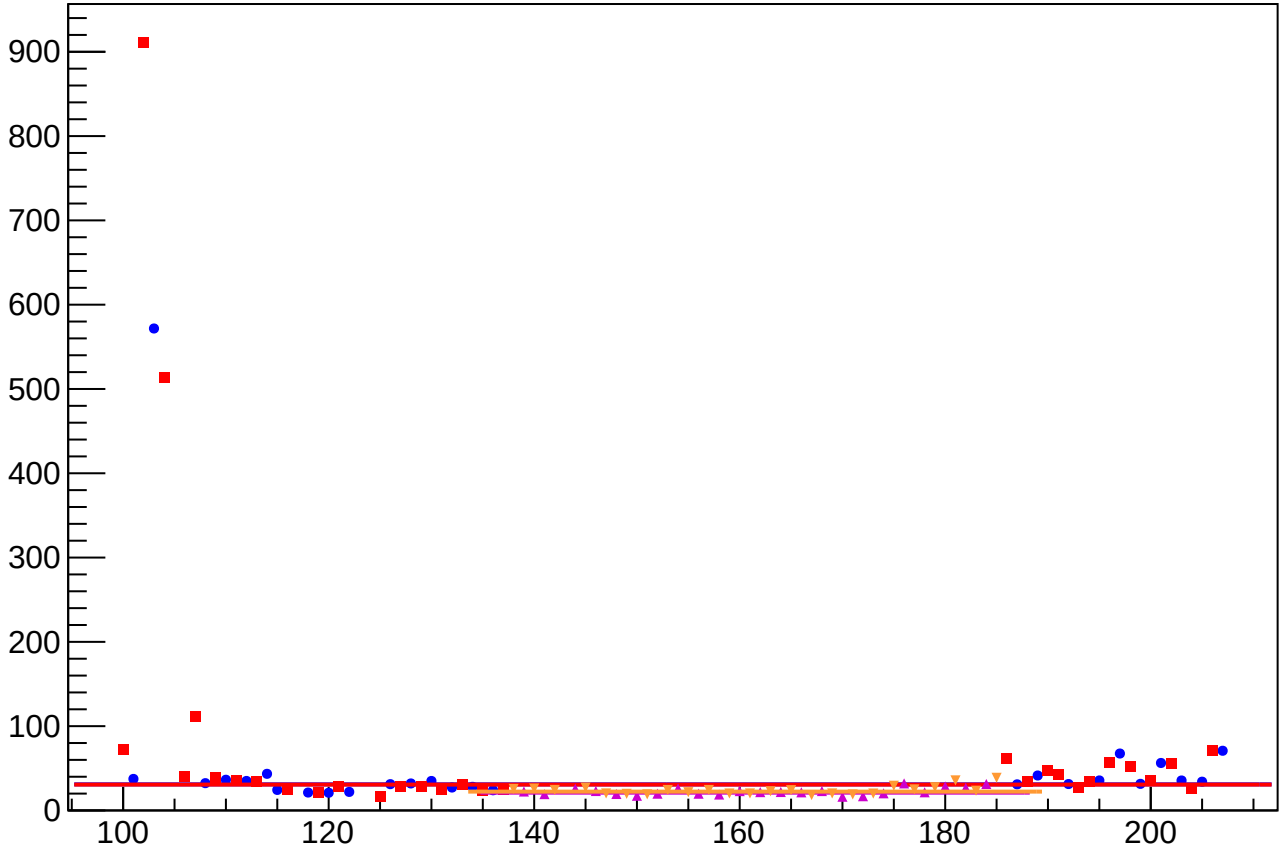
Right: -0.012+/-0.006 χ^2/NDF: 46.1/55

In: -0.006+/-0.005 χ^2/NDF:38.3/48

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 79.2/102

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.958+/-0.007 χ^2/NDF: 3056365.4/25

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

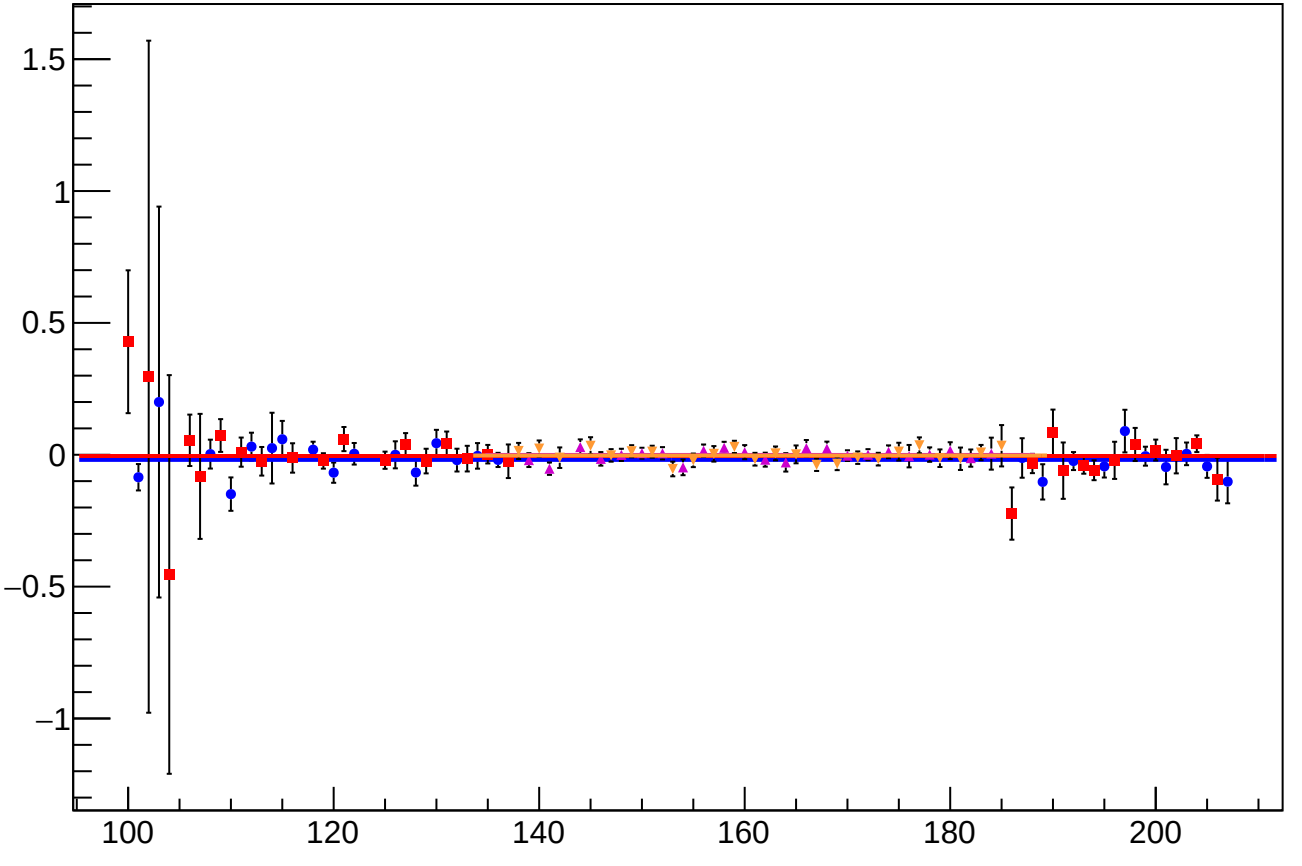
Right: 30.817+/-0.005 χ^2/NDF: 7649761.9/55

In: 23.650+/-0.003 χ^2/NDF:5559374.4/48

Out: 24.696+/-0.003 χ^2/NDF:6615183.7/53

All: 24.161+/-0.002 χ^2/NDF: 12222767.9/102

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.009 χ^2/NDF: 20.4/25

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

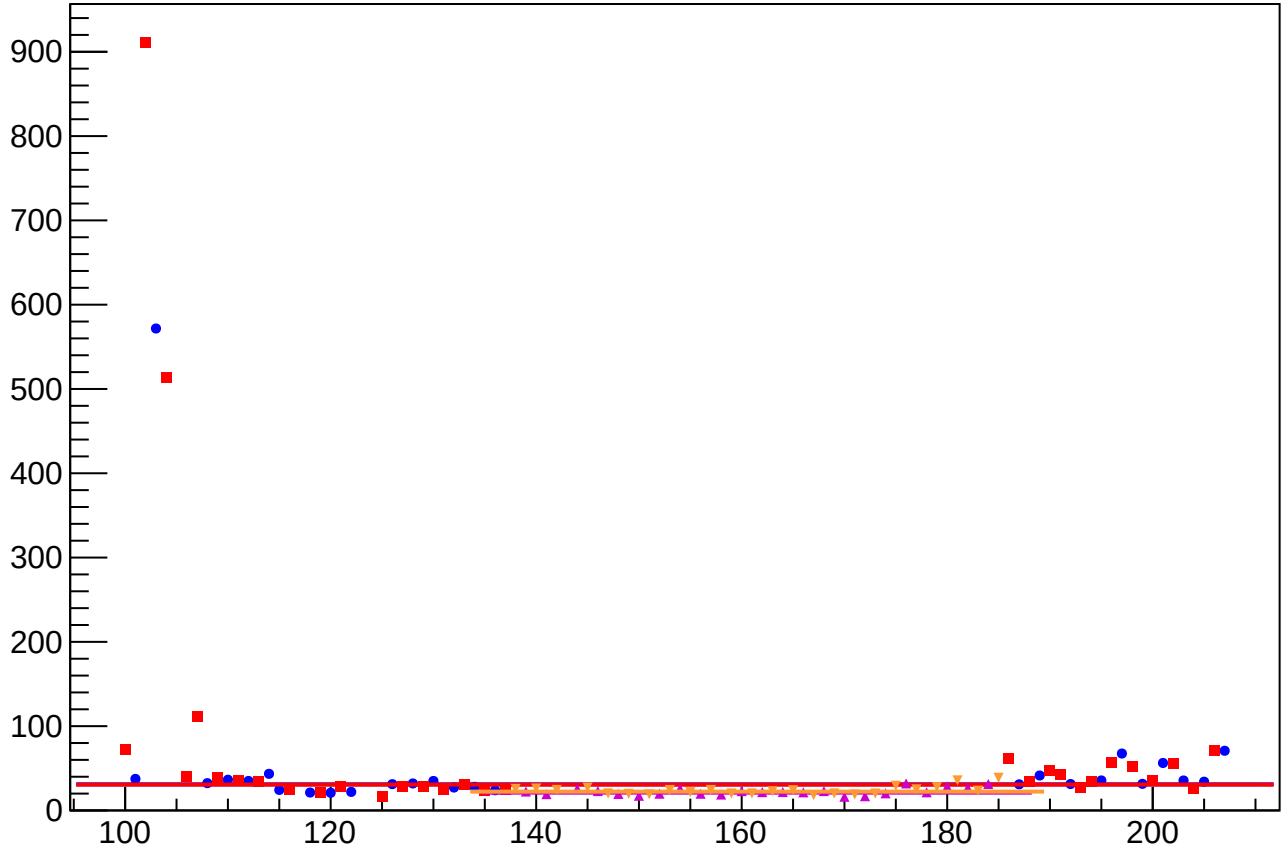
Right: -0.012+/-0.006 χ^2/NDF: 46.1/55

In: -0.006+/-0.005 χ^2/NDF:38.3/48

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 79.2/102

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.958+/-0.007 χ^2/NDF: 3056365.4/25

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

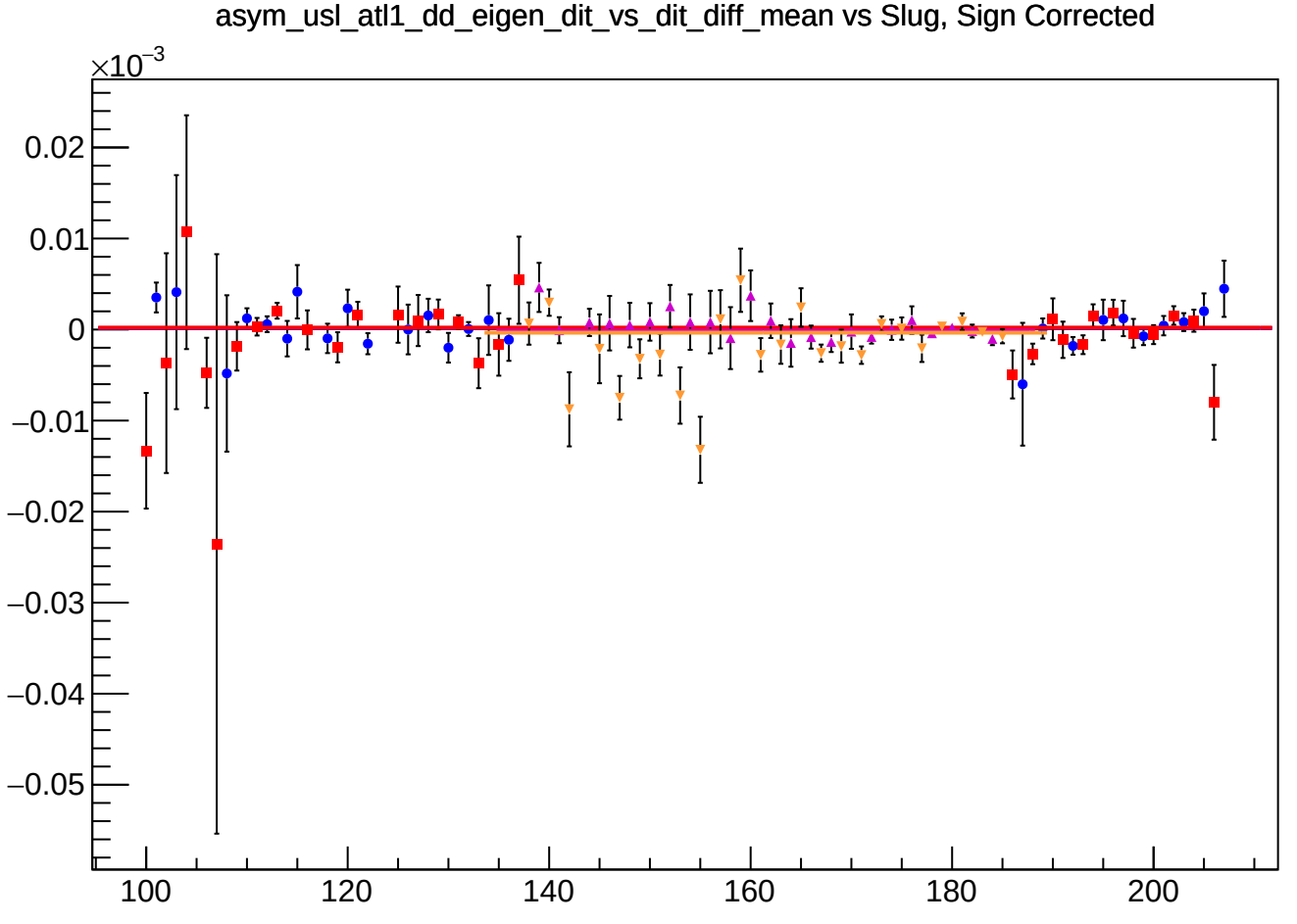
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 30.817+/-0.005 χ^2/NDF: 7649761.9/55

In: 23.650+/-0.003 χ^2/NDF:5559374.4/48

Out: 24.696+/-0.003 χ^2/NDF:6615183.7/53

All: 24.161+/-0.002 χ^2/NDF: 12222767.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/25

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

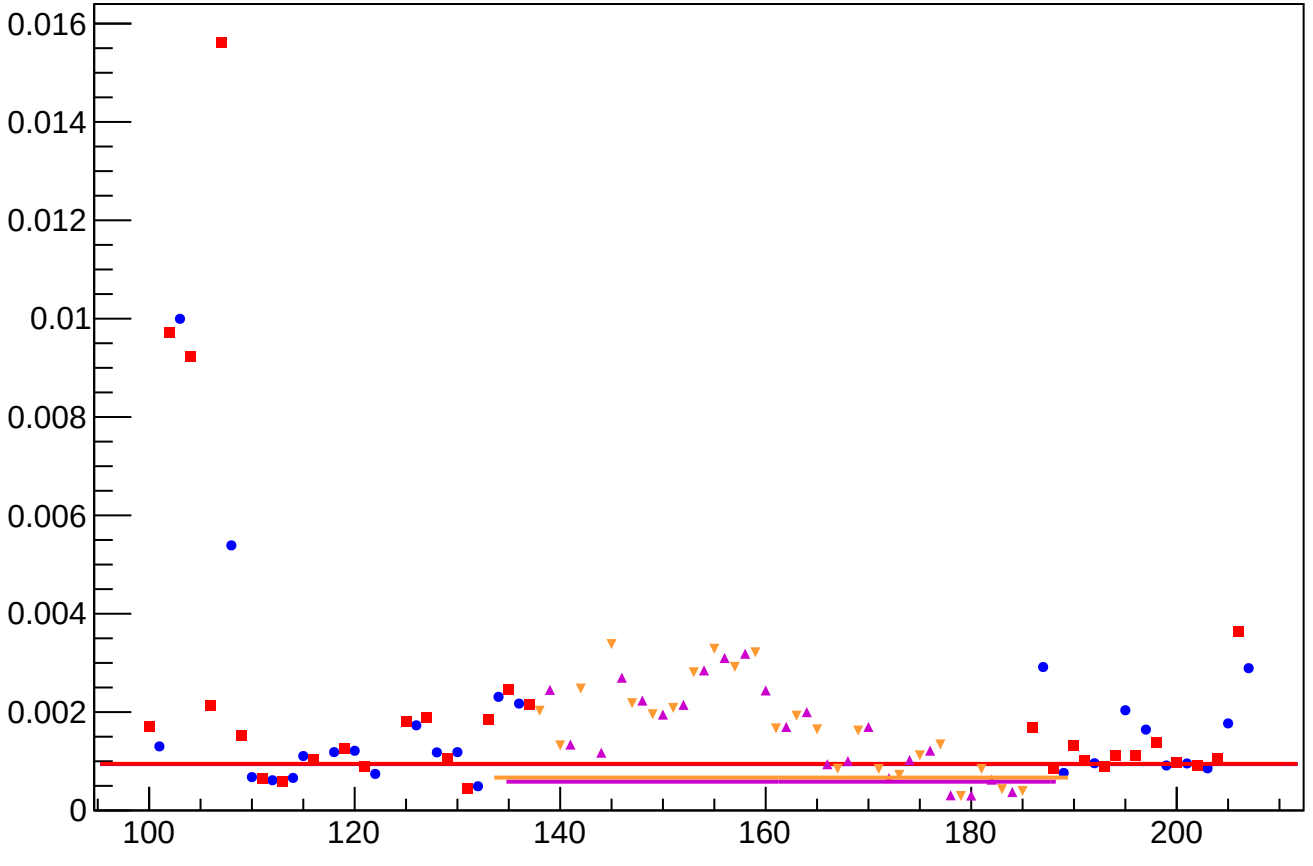
Right: 0.000+/-0.000 χ^2/NDF: 68.1/55

In: -0.000+/-0.000 χ^2/NDF:39.1/48

Out: -0.000+/-0.000 χ^2/NDF:114.6/53

All: -0.000+/-0.000 χ^2/NDF: 153.8/102

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6115941.1/25

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

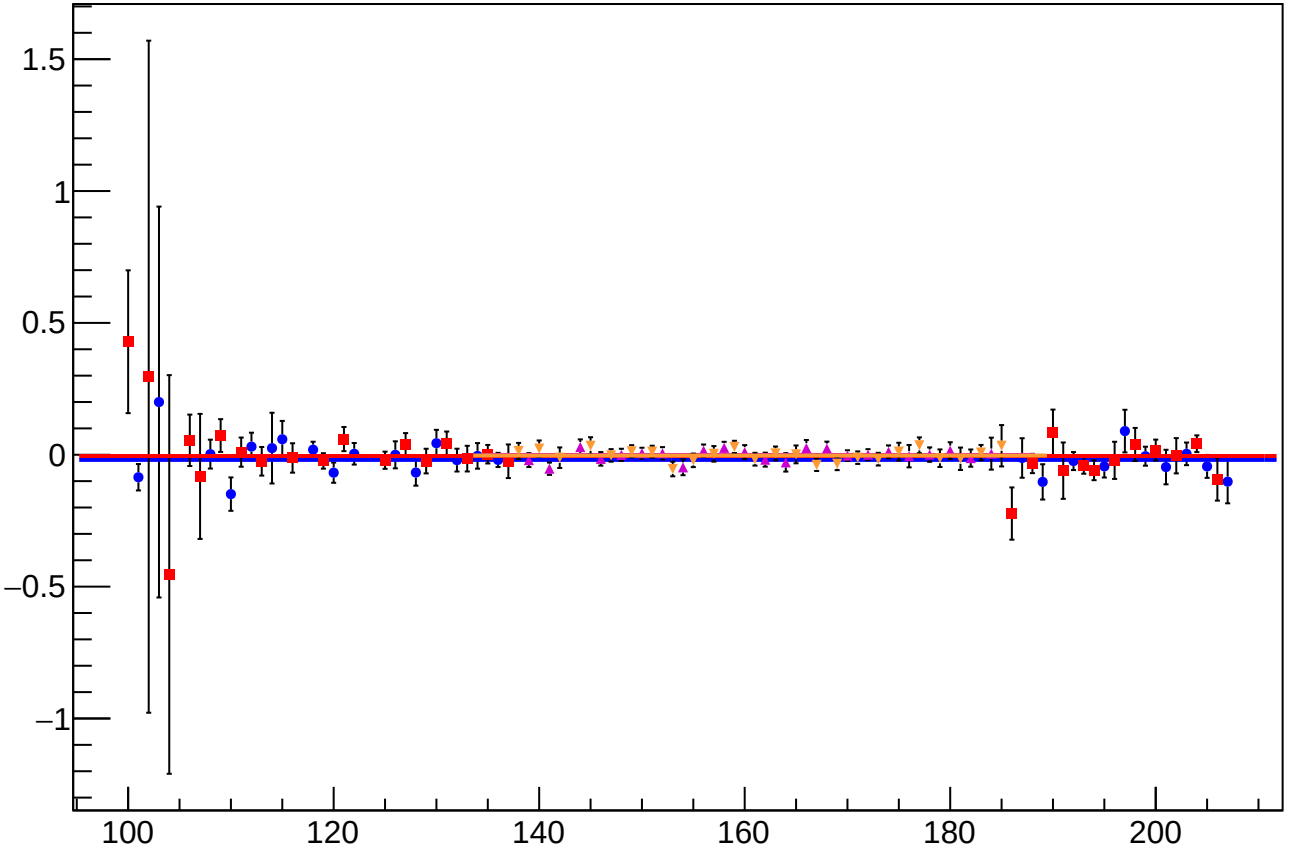
Right: 0.001+/-0.000 χ^2/NDF: 12621963.3/55

In: 0.001+/-0.000 χ^2/NDF:24021504.3/48

Out: 0.001+/-0.000 χ^2/NDF:23169302.2/53

All: 0.001+/-0.000 χ^2/NDF: 47377380.2/102

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.009 χ^2/NDF: 20.4/25

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

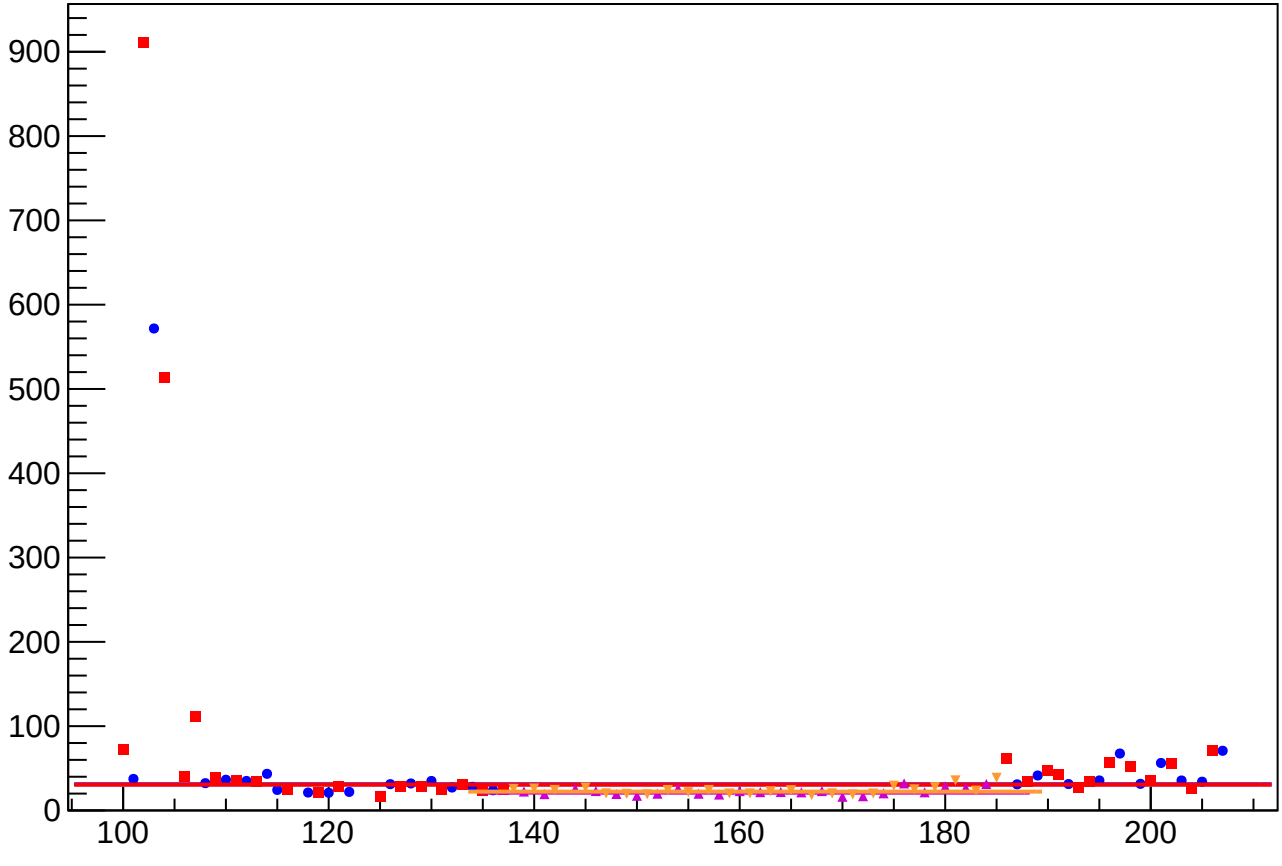
Right: -0.012+/-0.006 χ^2/NDF: 46.1/55

In: -0.006+/-0.005 χ^2/NDF:38.3/48

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 79.2/102

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.958+/-0.007 χ^2/NDF: 3056412.0/25

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

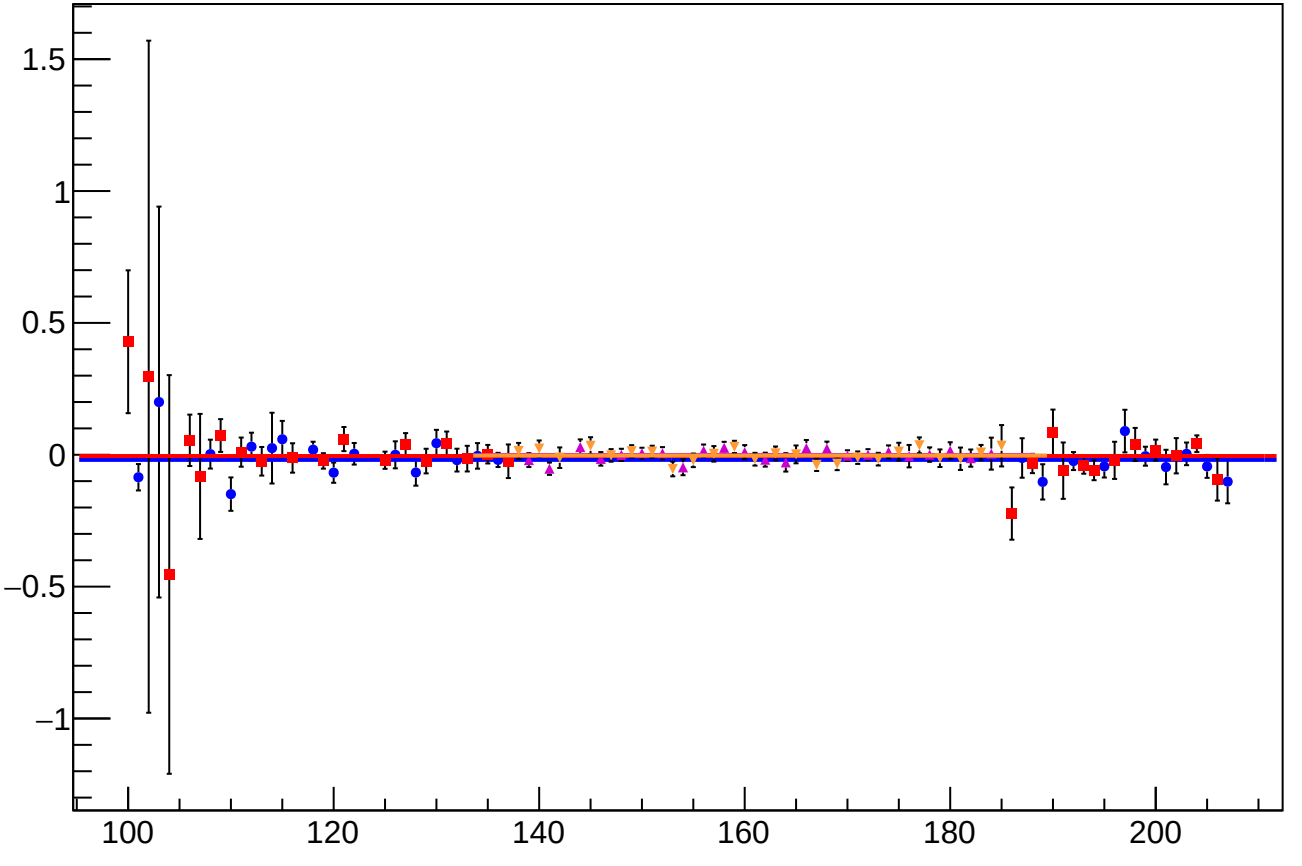
Right: 30.817+/-0.005 χ^2/NDF: 7649870.4/55

In: 23.650+/-0.003 χ^2/NDF:5559445.2/48

Out: 24.696+/-0.003 χ^2/NDF:6615238.3/53

All: 24.161+/-0.002 χ^2/NDF: 12222892.0/102

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.009 χ^2/NDF: 20.4/25

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

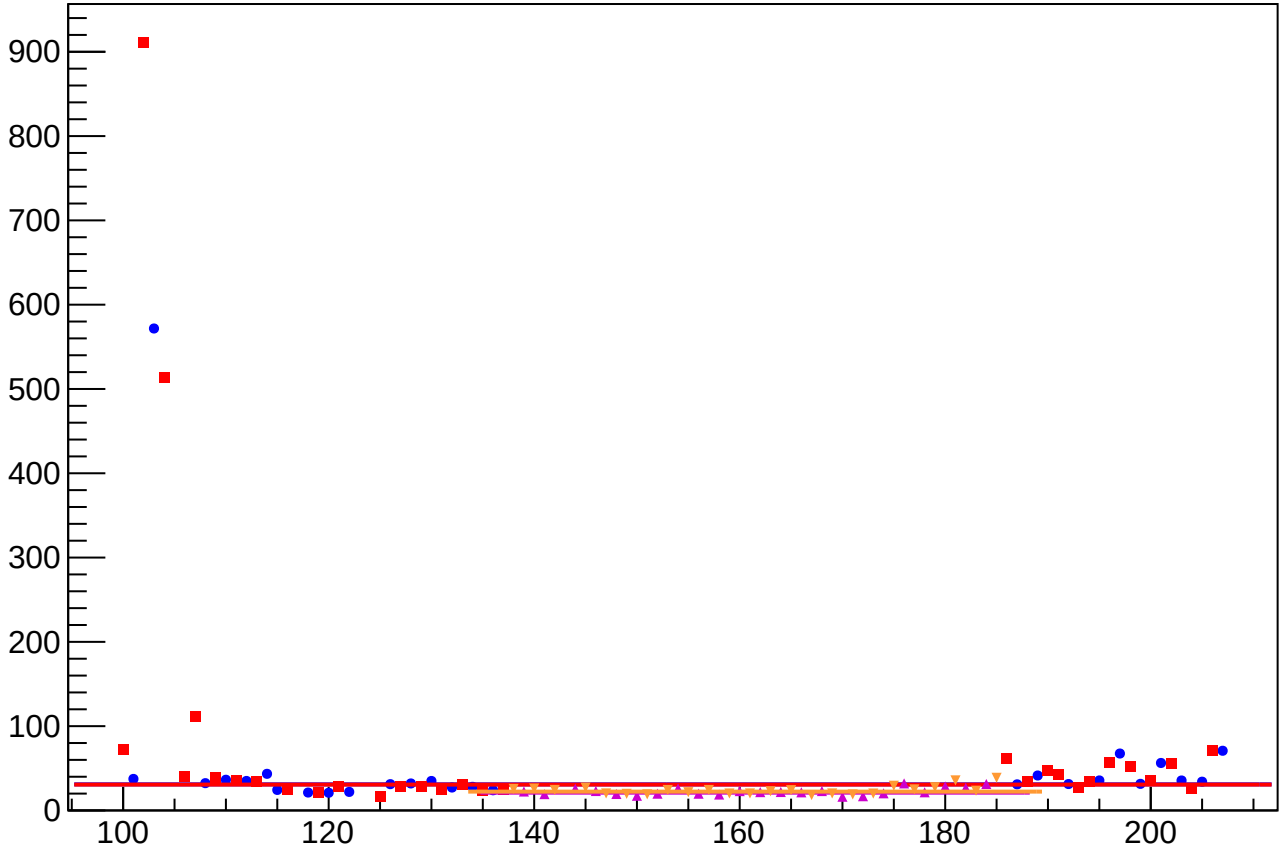
Right: -0.012+/-0.006 χ^2/NDF: 46.1/55

In: -0.006+/-0.005 χ^2/NDF:38.3/48

Out: -0.003+/-0.005 χ^2/NDF:40.8/53

All: -0.004+/-0.003 χ^2/NDF: 79.2/102

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.958+/-0.007 χ^2/NDF: 3056412.0/25

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

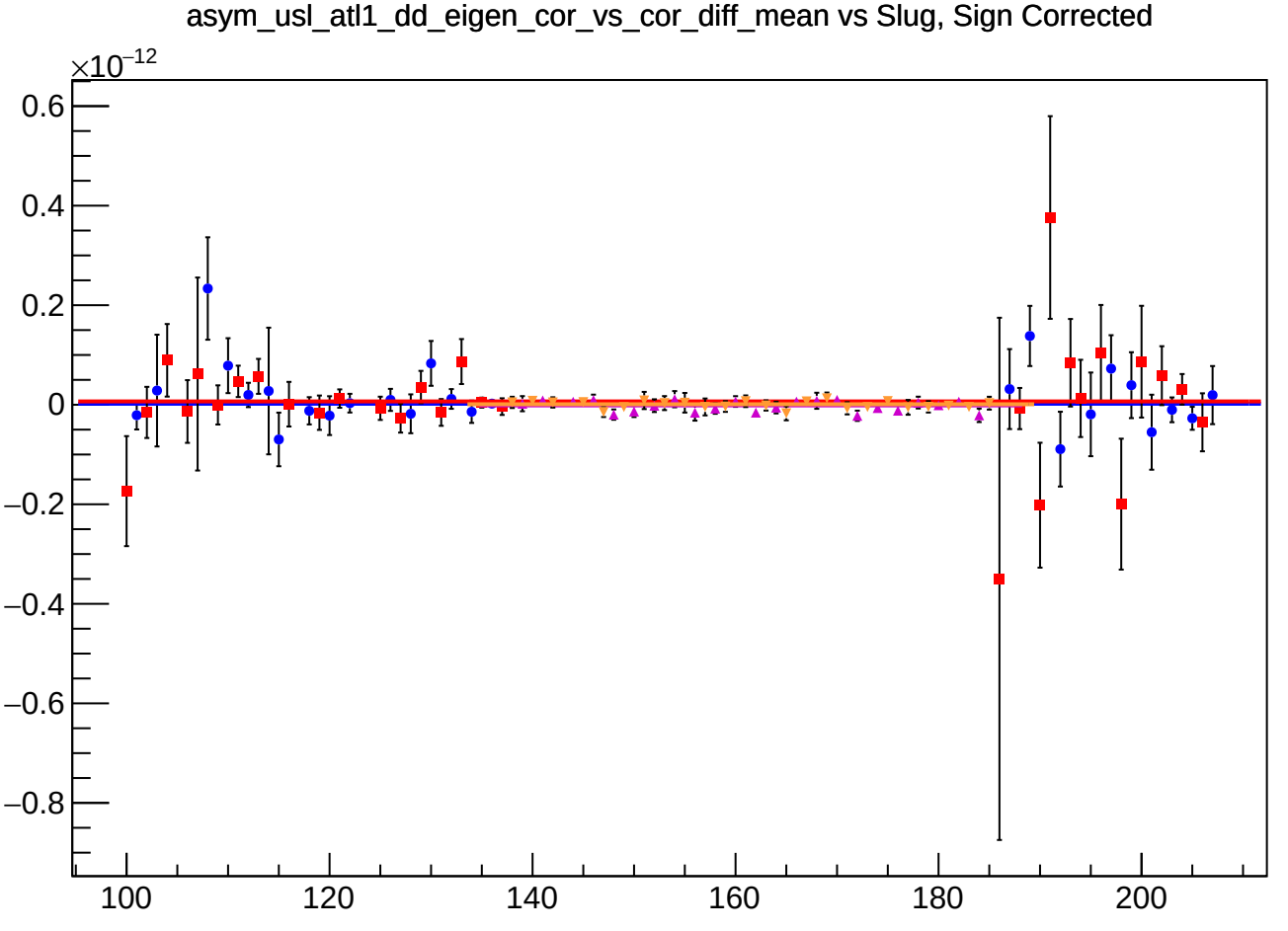
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 30.817+/-0.005 χ^2/NDF: 7649870.4/55

In: 23.650+/-0.003 χ^2/NDF:5559445.2/48

Out: 24.696+/-0.003 χ^2/NDF:6615238.3/53

All: 24.161+/-0.002 χ^2/NDF: 12222892.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 25.8/25

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

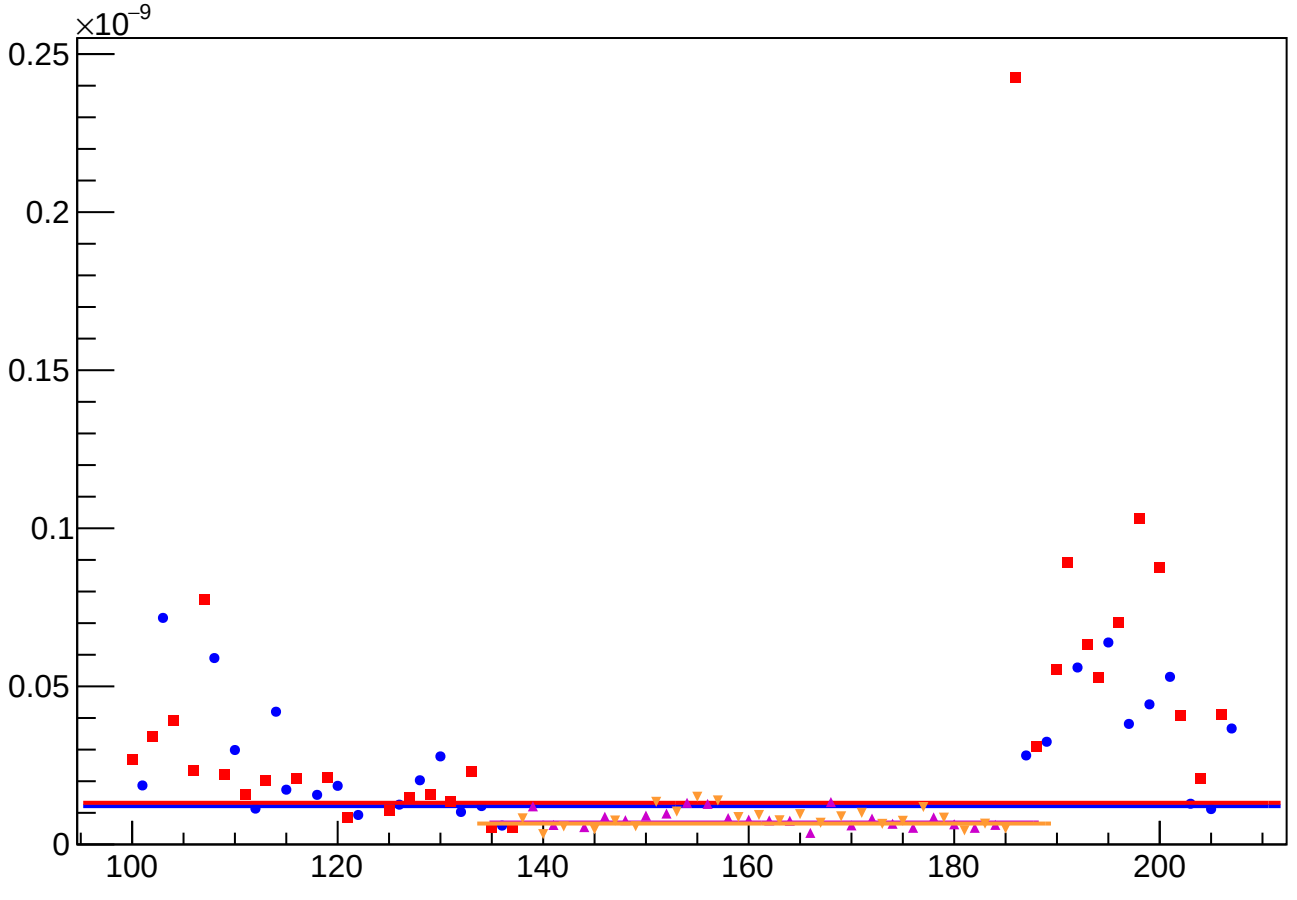
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 54.7/55

In: -0.000+/-0.000 χ^2/NDF:51.9/48

Out: 0.000+/-0.000 χ^2/NDF:41.1/53

All: 0.000+/-0.000 χ^2/NDF: 93.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 6428304.6/25

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

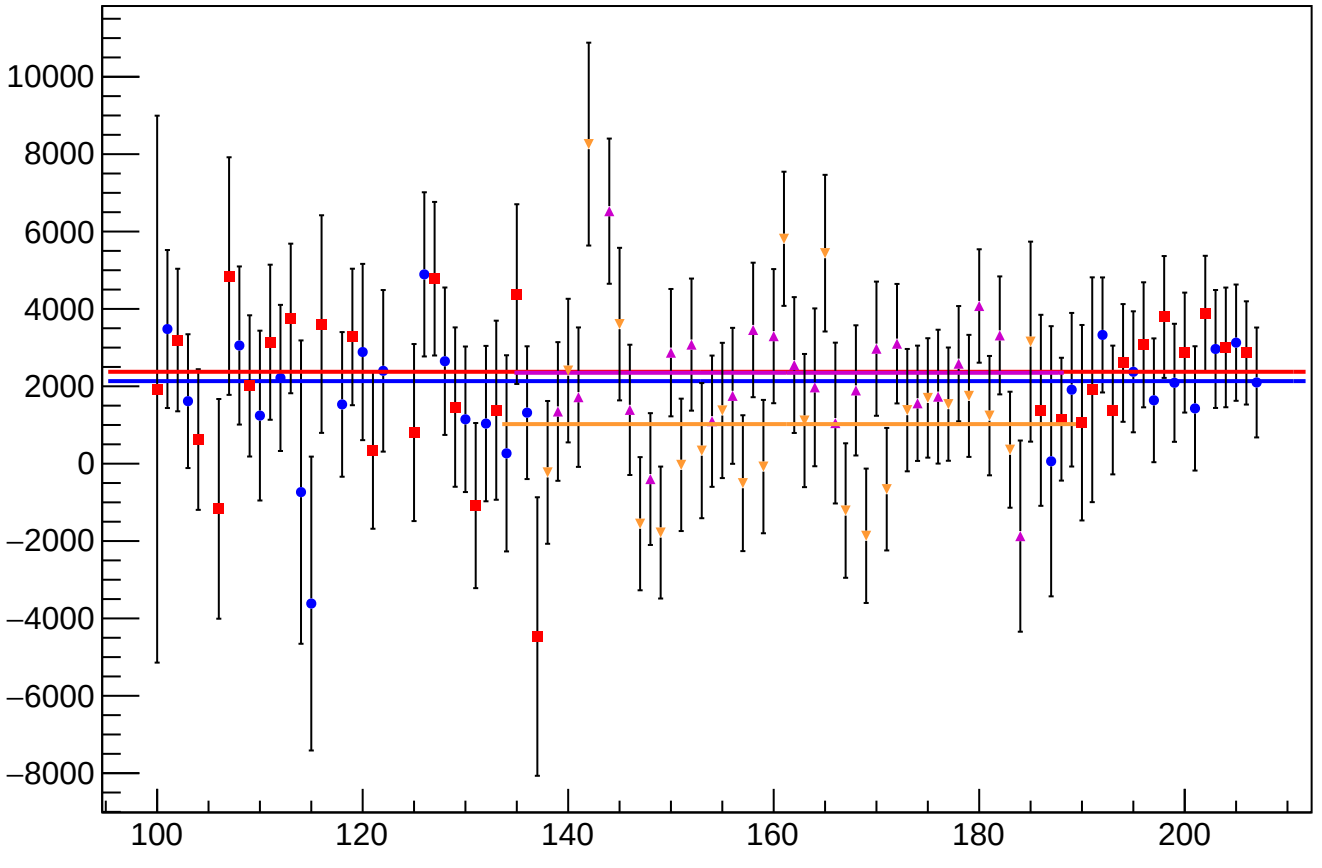
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 15566313.5/55

In: 0.000+/-0.000 χ^2/NDF:10403613.6/48

Out: 0.000+/-0.000 χ^2/NDF:14862820.2/53

All: 0.000+/-0.000 χ^2/NDF: 25292008.8/102



Right In: 2133.717+/-366.590 χ^2/NDF: 9.1/25

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

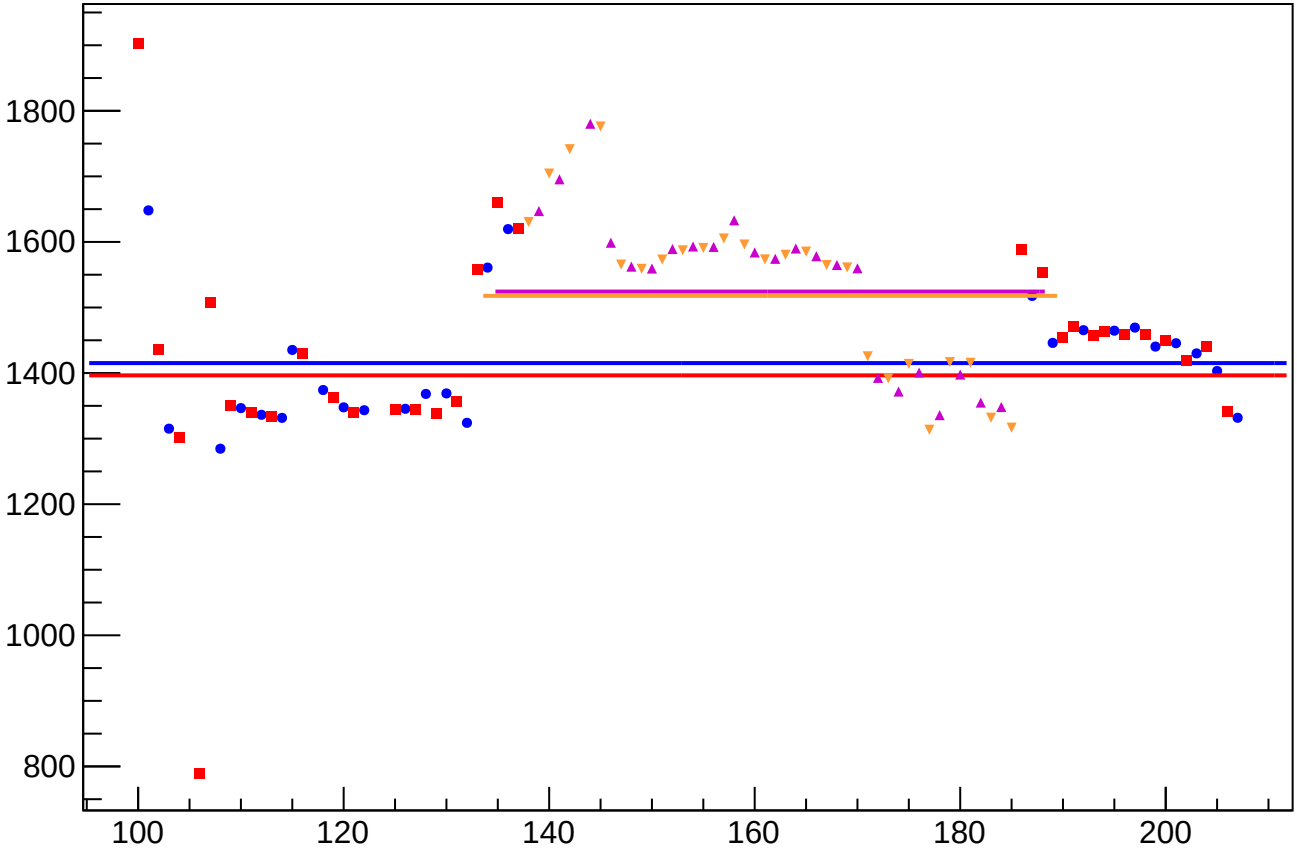
Right: 2258.418+/-254.822 χ^2/NDF: 28.0/55

In: 2244.287+/-255.785 χ^2/NDF:25.3/48

Out: 1696.887+/-250.287 χ^2/NDF:62.4/53

All: 1964.641+/-178.892 χ^2/NDF: 90.0/102

reg_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1415.209+/-0.259 χ^2/NDF: 113300.8/25

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

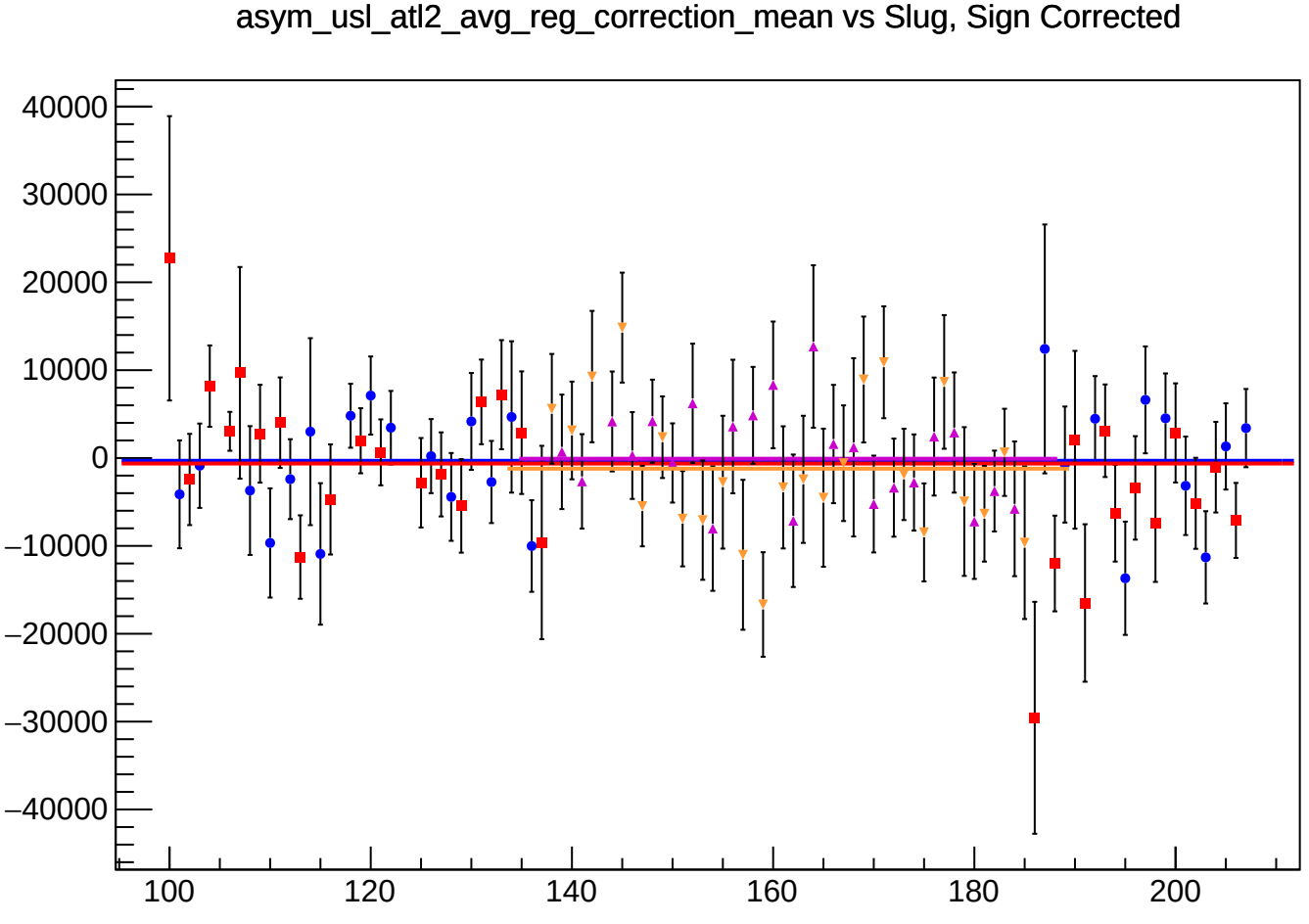
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1405.393+/-0.179 χ^2/NDF: 515276.9/55

In: 1471.197+/-0.181 χ^2/NDF:428531.0/48

Out: 1456.411+/-0.176 χ^2/NDF:752463.6/53

All: 1463.587+/-0.126 χ^2/NDF: 1184434.0/10



Right In: -315.549+/-1045.311 χ^2/NDF: 29.6/25

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

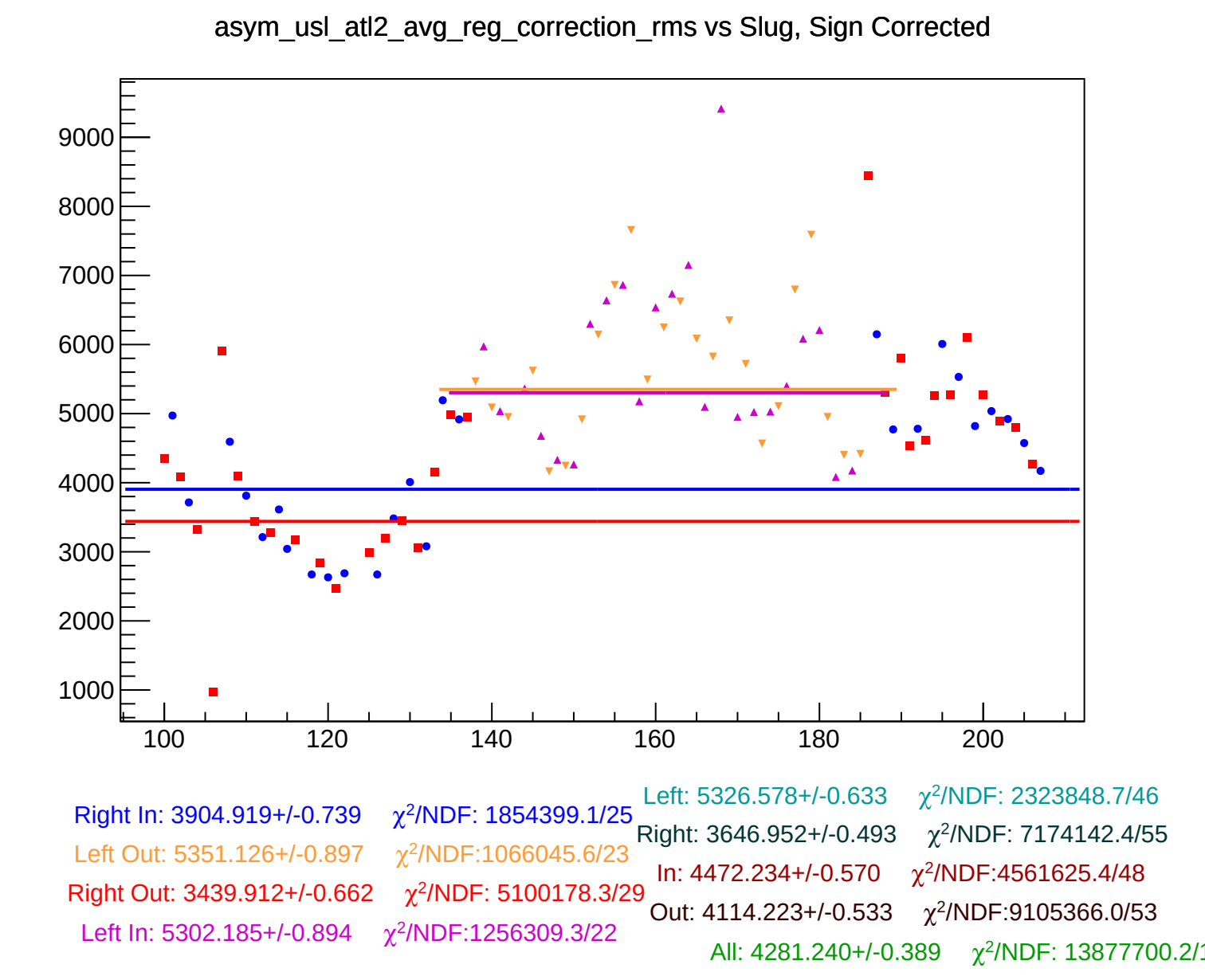
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

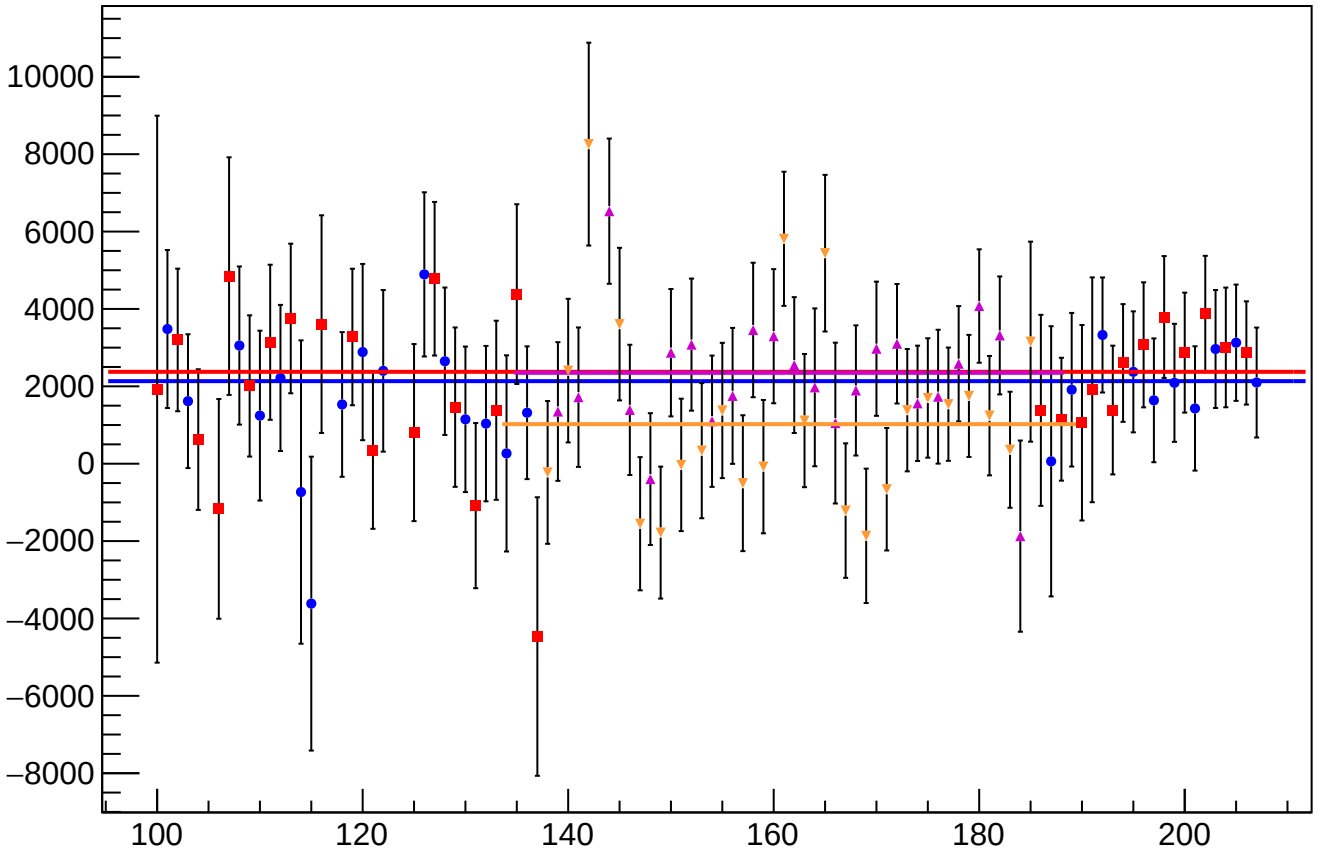
Right: -488.103+/-697.497 χ^2/NDF: 70.6/55

In: -220.229+/-805.623 χ^2/NDF:42.9/48

Out: -833.096+/-753.360 χ^2/NDF:74.3/53

All: -547.185+/-550.255 χ^2/NDF: 117.4/102


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: 3904.919+/-0.739 χ²/NDF: 1854399.1/25
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: 3646.952+/-0.493 χ²/NDF: 7174142.4/55
In: 4472.234+/-0.570 χ²/NDF:4561625.4/48
Out: 4114.223+/-0.533 χ²/NDF:9105366.0/53
All: 4281.240+/-0.389 χ²/NDF: 13877700.2/1



Right In: 2133.688+/-366.590 χ^2/NDF: 9.1/25

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

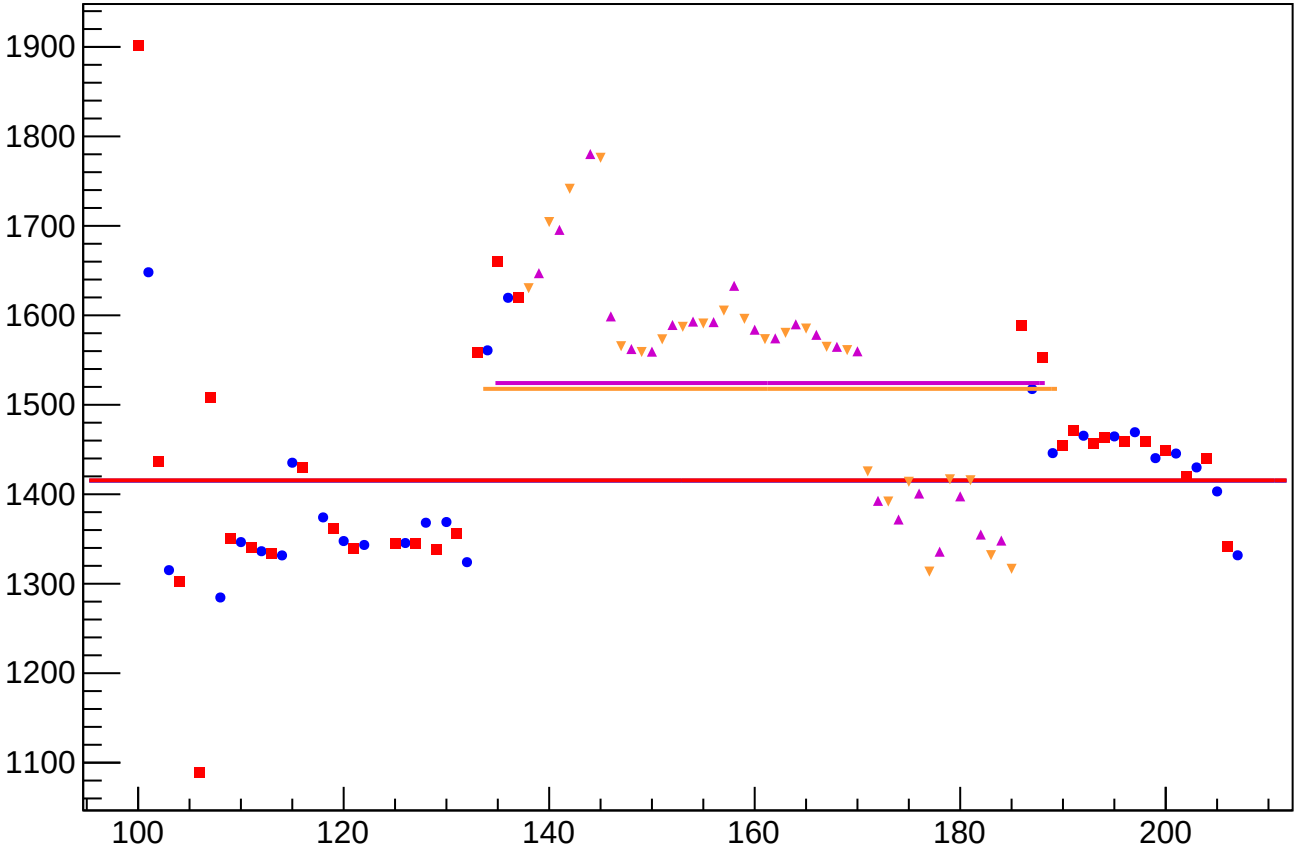
Right: 2258.441+/-254.823 χ^2/NDF: 28.0/55

In: 2244.272+/-255.785 χ^2/NDF:25.3/48

Out: 1696.937+/-250.288 χ^2/NDF:62.4/53

All: 1964.659+/-178.892 χ^2/NDF: 90.0/102

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1415.209+/-0.259 χ^2/NDF: 113300.8/25

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

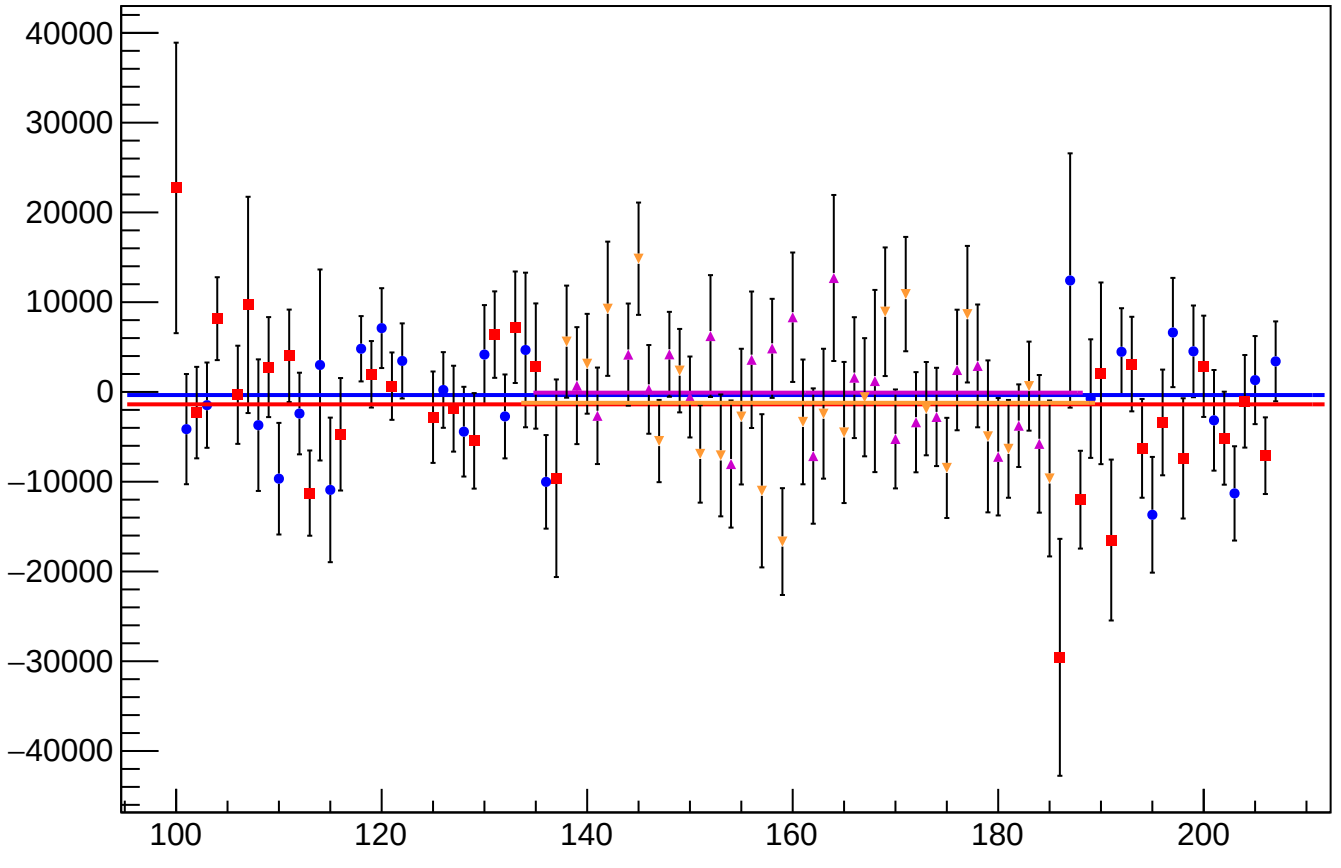
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1415.392+/-0.180 χ^2/NDF: 278964.0/55

In: 1471.197+/-0.181 χ^2/NDF:428531.1/48

Out: 1466.512+/-0.176 χ^2/NDF:483600.9/53

All: 1468.796+/-0.126 χ^2/NDF: 912475.8/102



Right In: -345.249+/-1044.793 χ^2/NDF: 29.7/25

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

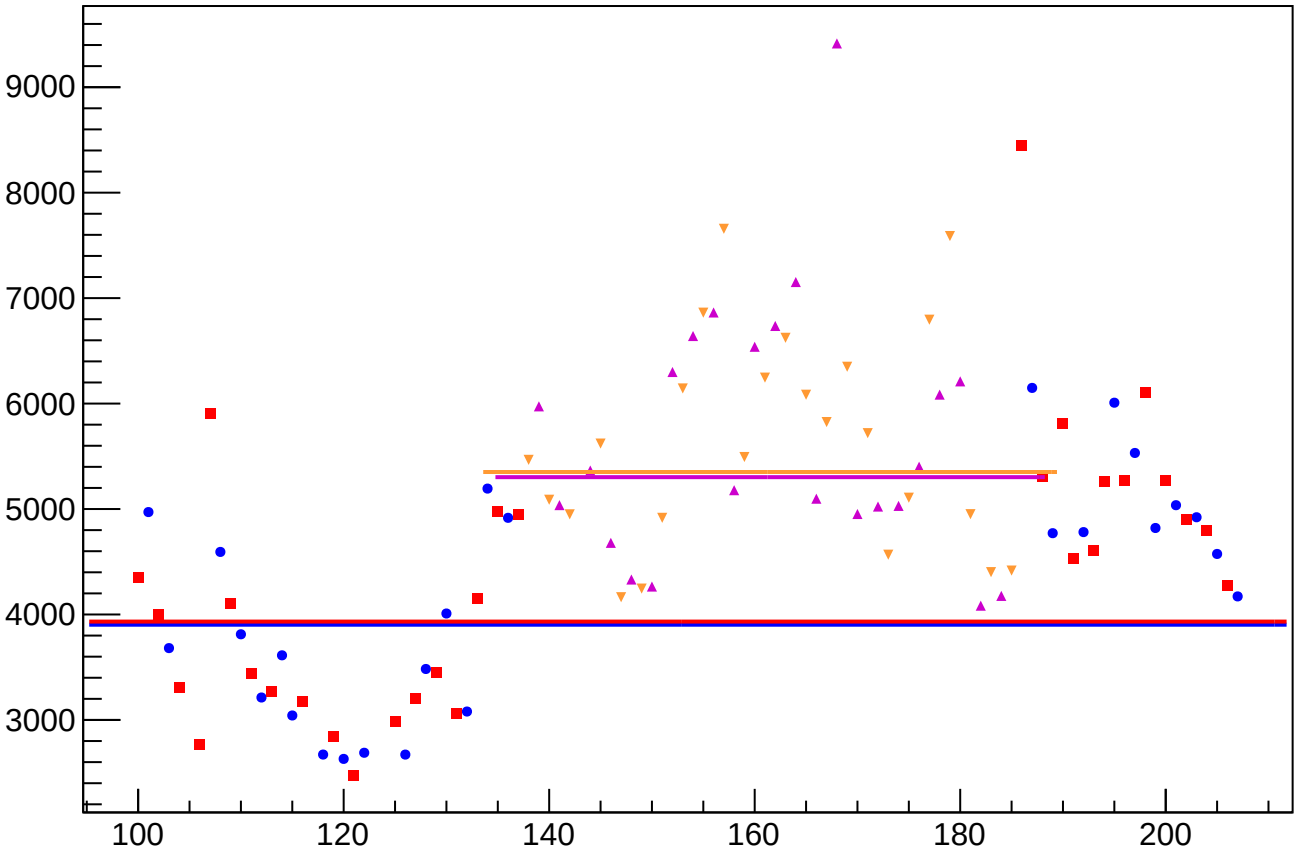
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -878.273+/-727.852 χ^2/NDF: 67.8/55

In: -237.896+/-805.386 χ^2/NDF:42.9/48

Out: -1314.943+/-792.262 χ^2/NDF:70.8/53

All: -785.266+/-564.797 χ^2/NDF: 114.6/102



Right In: 3903.093+/-0.739 χ^2/NDF: 1855594.5/25

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

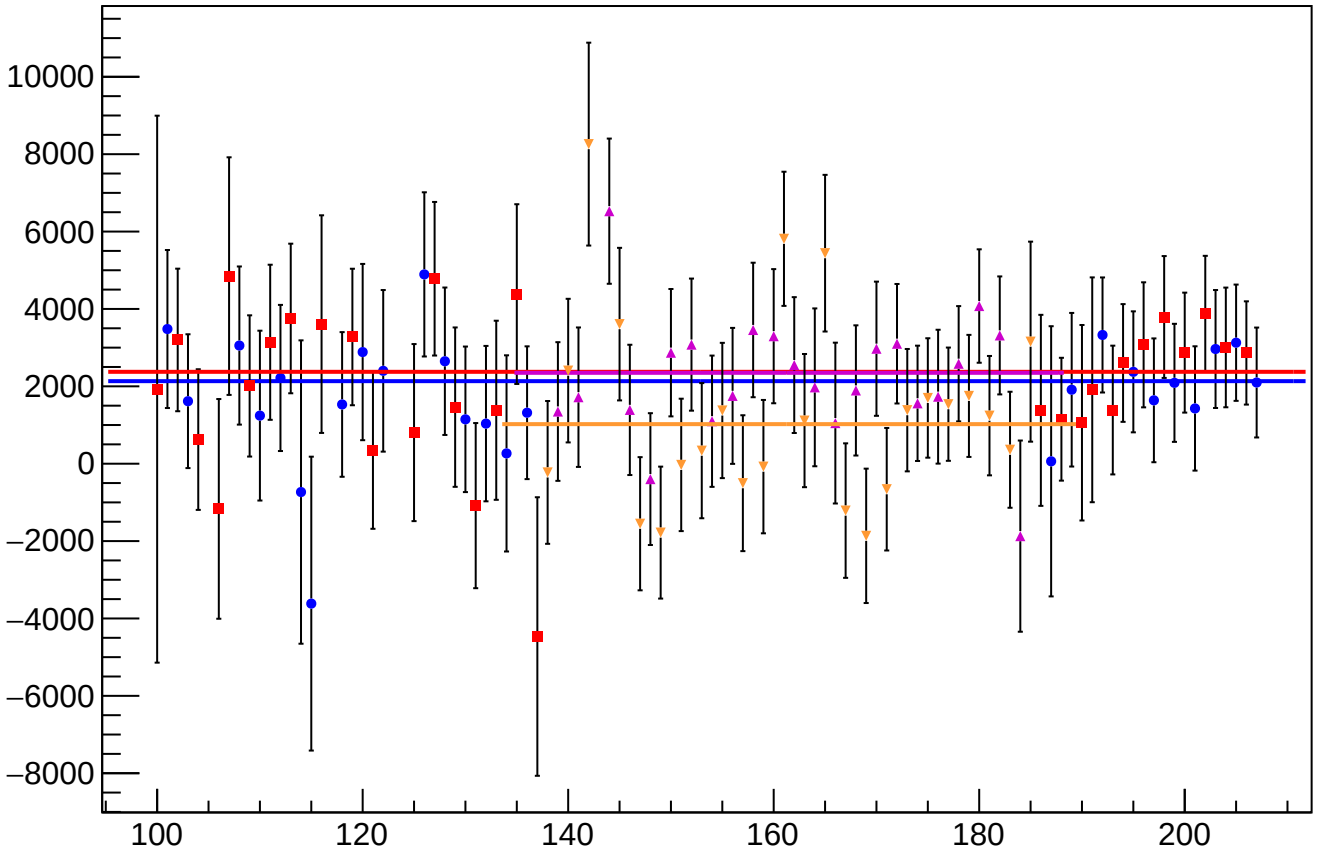
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3918.368+/-0.515 χ^2/NDF: 4018004.7/55

In: 4470.813+/-0.569 χ^2/NDF:4567201.6/48

Out: 4486.210+/-0.560 χ^2/NDF:4752858.0/53

All: 4478.638+/-0.399 χ^2/NDF: 9320431.0/10



Right In: 2133.688+/-366.590 χ^2/NDF: 9.1/25

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

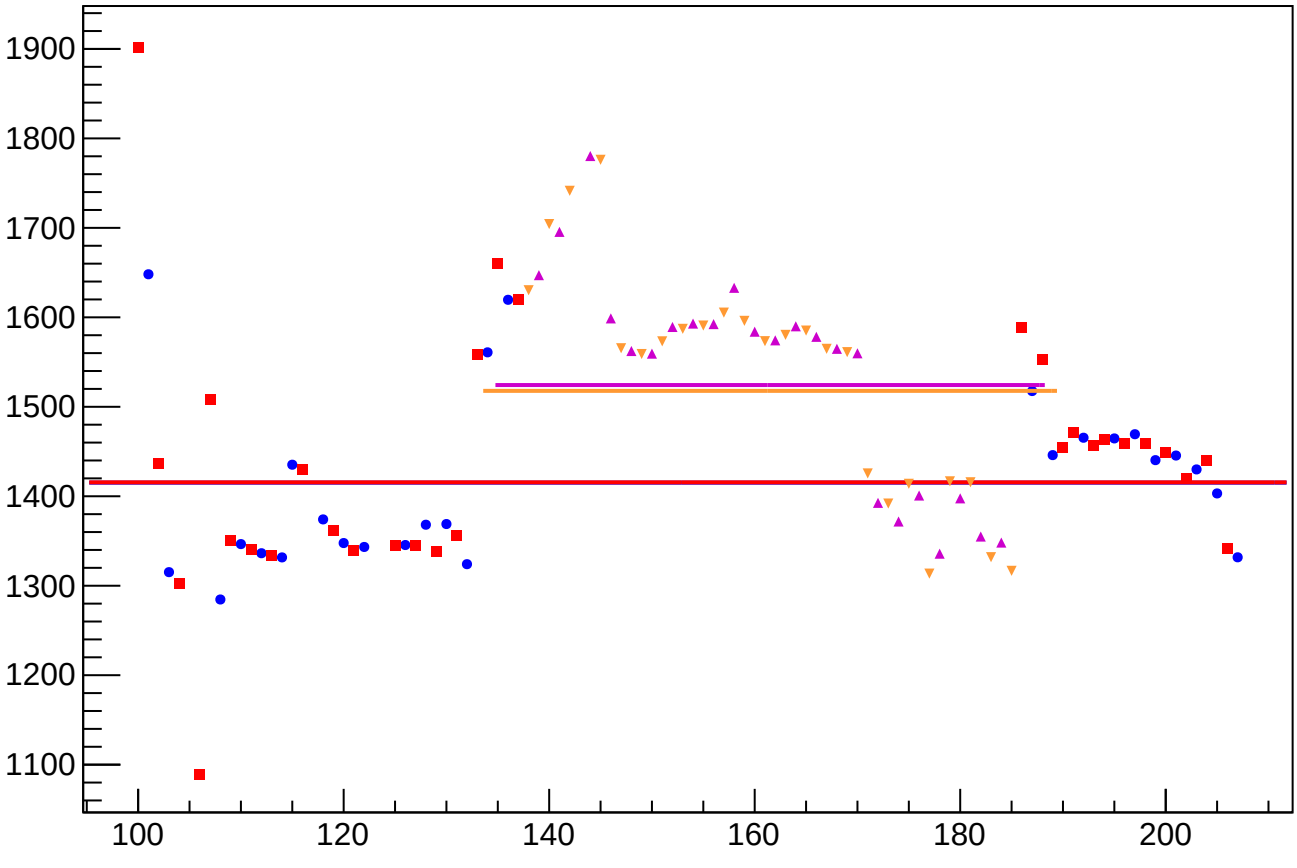
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2258.441+/-254.823 χ^2/NDF: 28.0/55

In: 2244.272+/-255.785 χ^2/NDF:25.3/48

Out: 1696.937+/-250.288 χ^2/NDF:62.4/53

All: 1964.659+/-178.892 χ^2/NDF: 90.0/102



Right In: 1415.209+/-0.259 χ^2/NDF: 113300.8/25

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

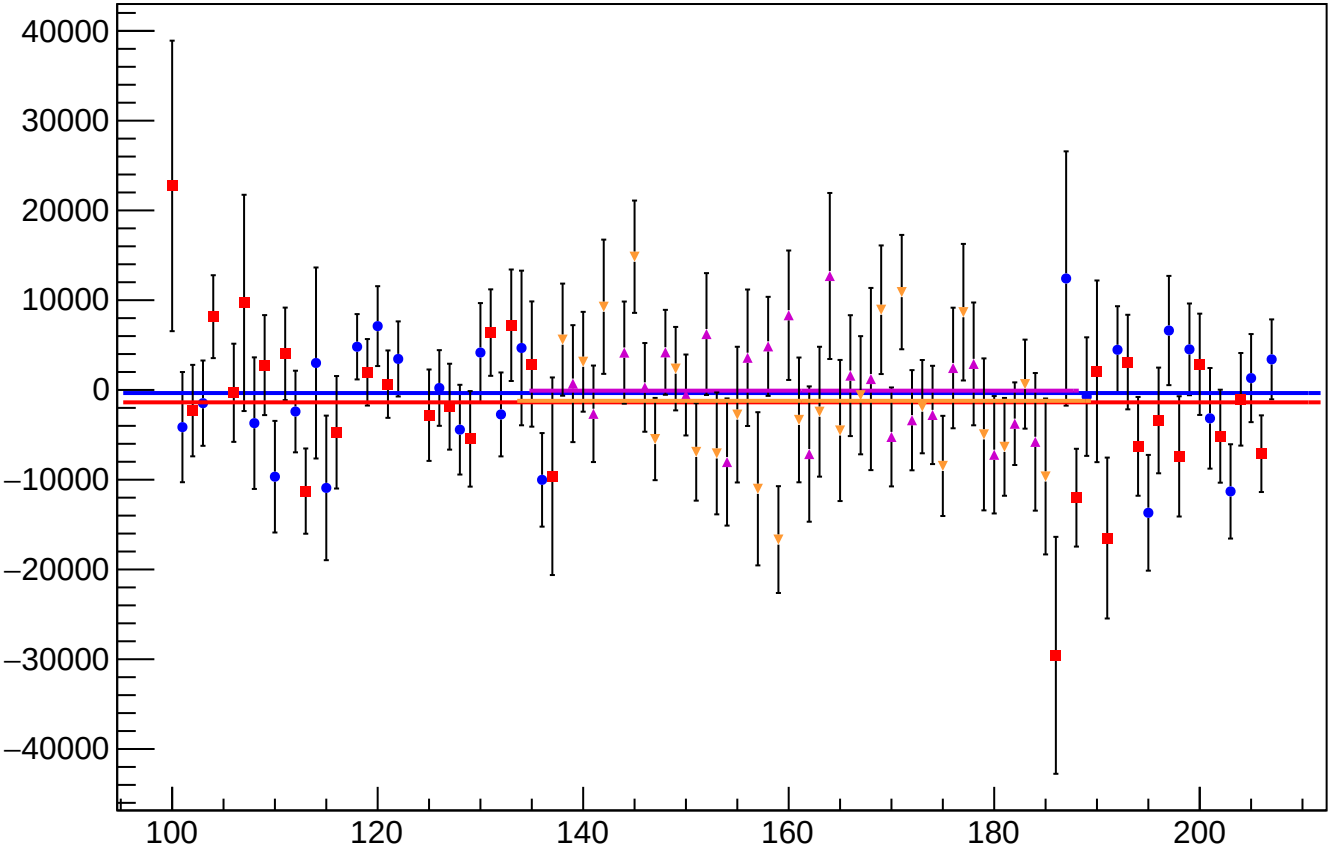
Right: 1415.392+/-0.180 χ^2/NDF: 278964.0/55

In: 1471.197+/-0.181 χ^2/NDF:428531.1/48

Out: 1466.512+/-0.176 χ^2/NDF:483600.9/53

All: 1468.796+/-0.126 χ^2/NDF: 912475.8/102

asym_usl_atl2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -345.249+/-1044.793 χ^2/NDF: 29.7/25

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

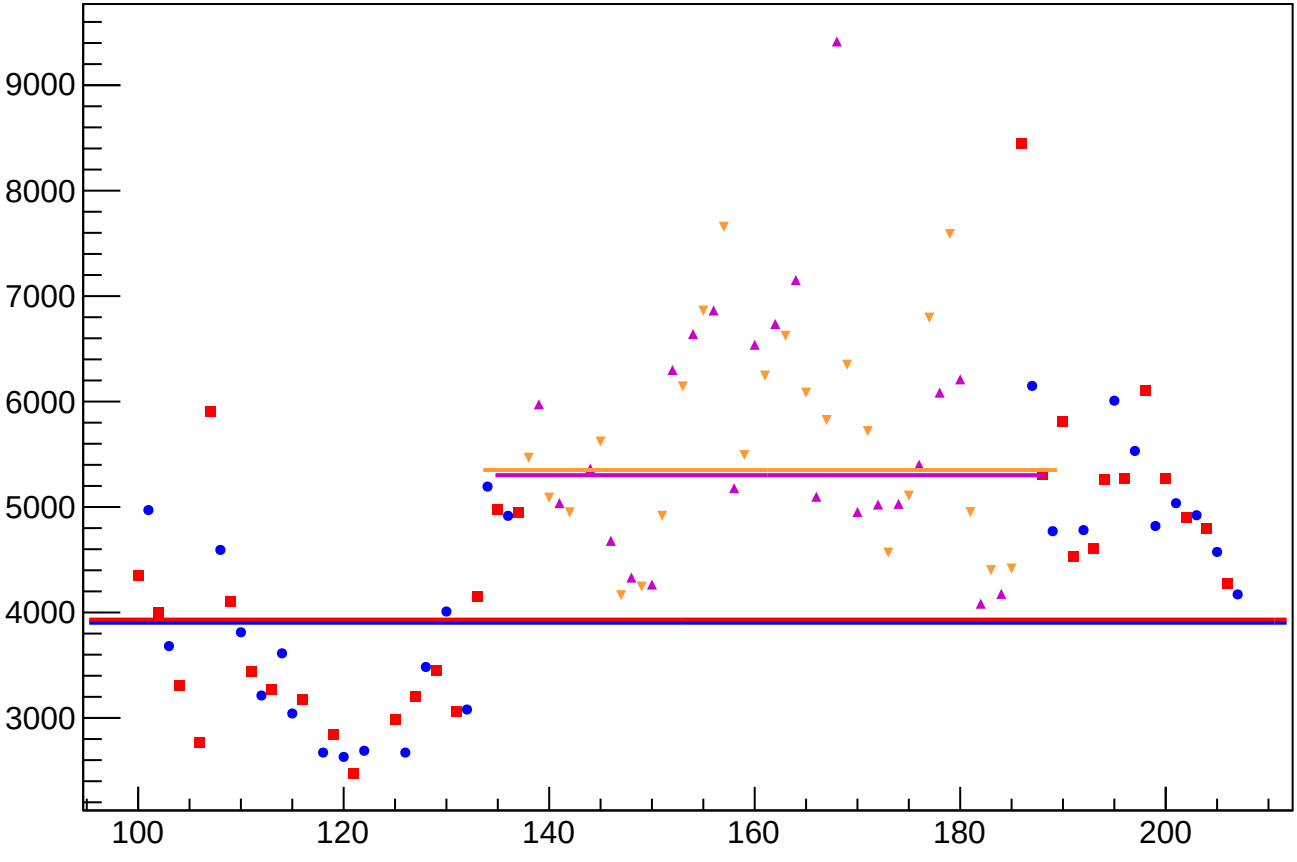
Right: -878.273+/-727.852 χ^2/NDF: 67.8/55

In: -237.896+/-805.386 χ^2/NDF:42.9/48

Out: -1314.943+/-792.262 χ^2/NDF:70.8/53

All: -785.266+/-564.797 χ^2/NDF: 114.6/102

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3903.093+/-0.739 χ^2/NDF: 1855594.5/25

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

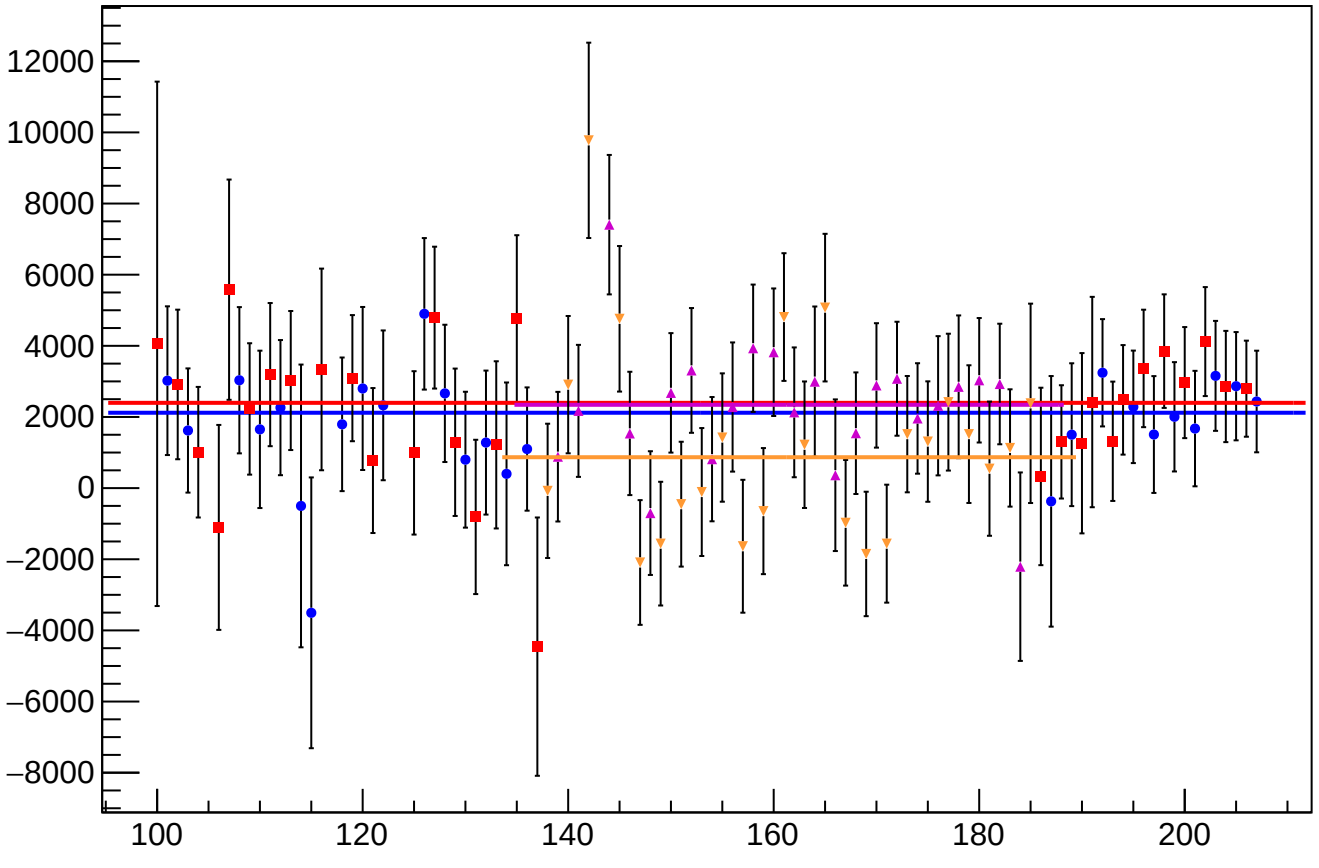
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3918.368+/-0.515 χ^2/NDF: 4018004.7/55

In: 4470.813+/-0.569 χ^2/NDF:4567201.6/48

Out: 4486.210+/-0.560 χ^2/NDF:4752858.0/53

All: 4478.638+/-0.399 χ^2/NDF: 9320431.0/10



Right In: 2118.740+/-370.583 χ^2/NDF: 8.6/25

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

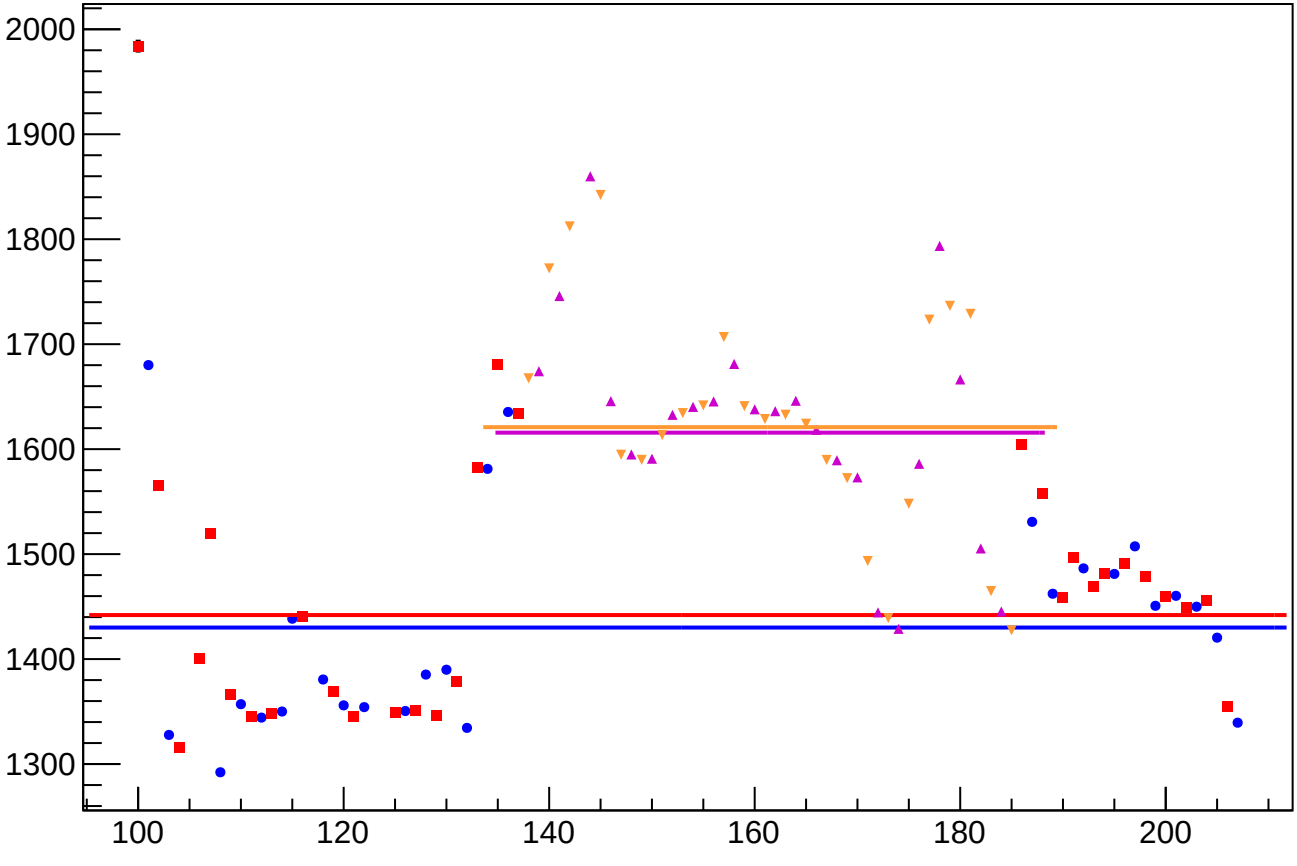
Right: 2262.269+/-258.087 χ^2/NDF: 26.9/55

In: 2228.273+/-264.664 χ^2/NDF:26.8/48

Out: 1669.301+/-260.285 χ^2/NDF:66.4/53

All: 1944.125+/-185.578 χ^2/NDF: 95.5/102

dit_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1430.041+/-0.262 χ^2/NDF: 122865.0/25

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

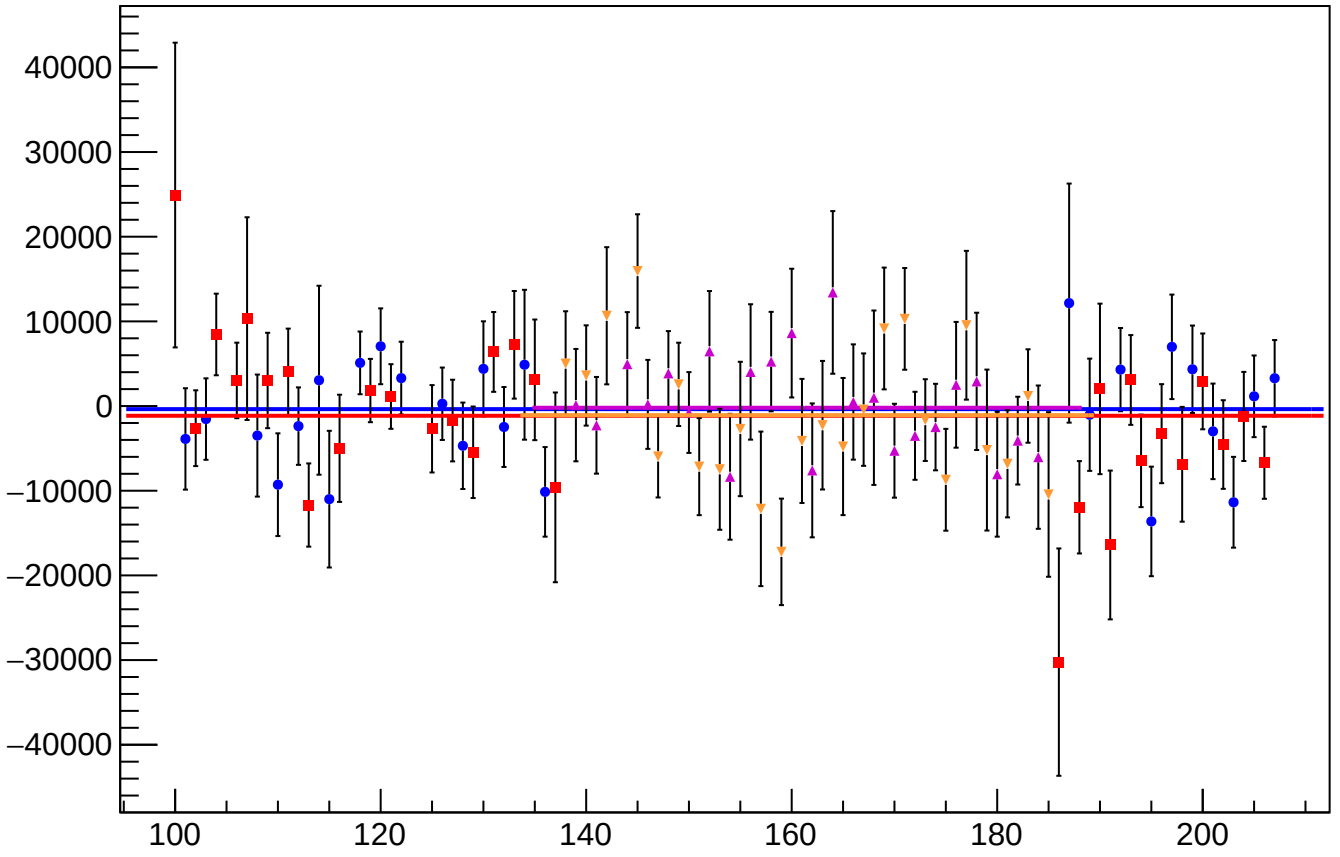
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1436.177+/-0.182 χ^2/NDF: 253376.8/55

In: 1521.006+/-0.187 χ^2/NDF:505959.6/48

Out: 1527.075+/-0.184 χ^2/NDF:507656.0/53

All: 1524.093+/-0.131 χ^2/NDF: 1014150.6/10



Right In: -363.617+/-1054.587 χ^2/NDF: 29.2/25

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -1147.575+/-1008.457 χ^2/NDF: 38.3/29

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

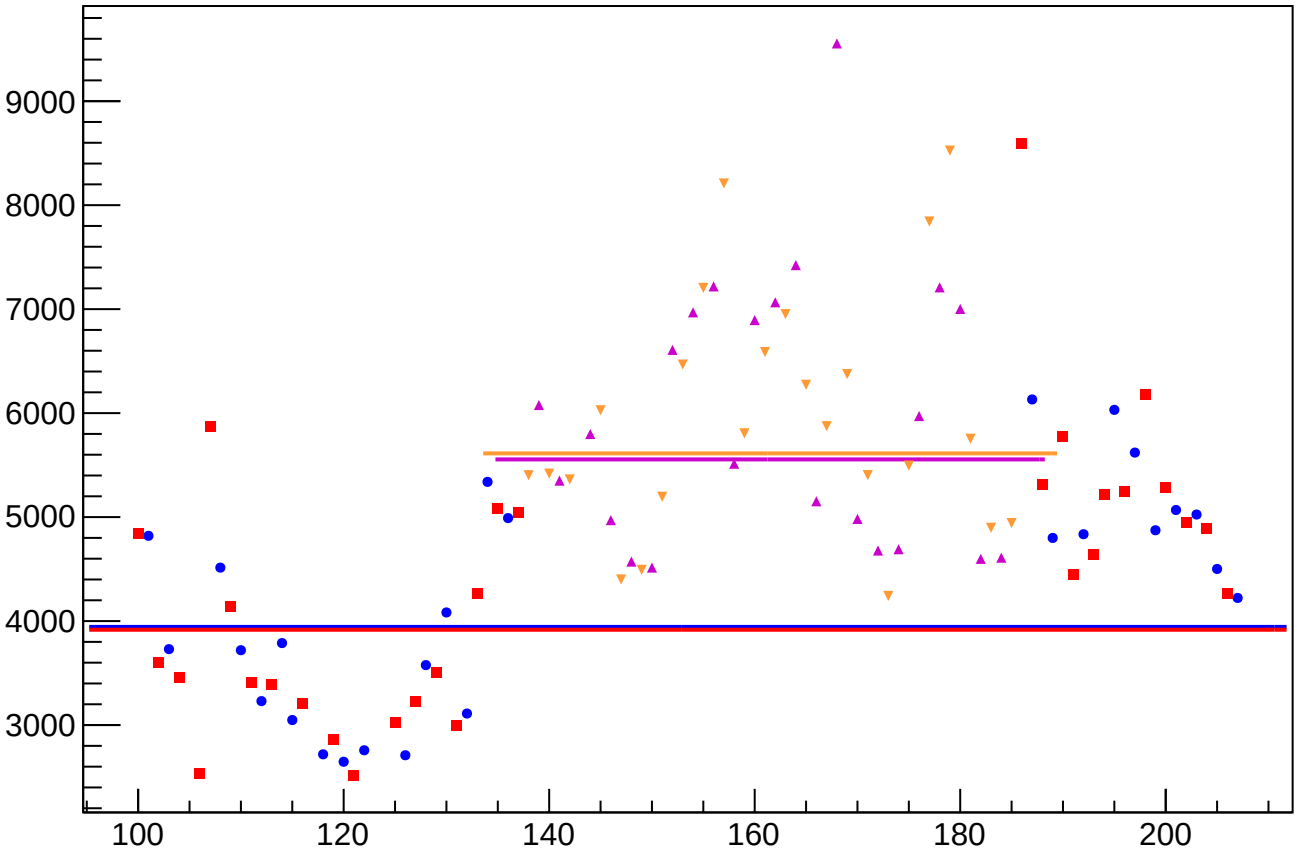
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -773.116+/-728.849 χ^2/NDF: 67.8/55

In: -300.877+/-825.419 χ^2/NDF:42.1/48

Out: -1123.776+/-804.106 χ^2/NDF:71.2/53

All: -723.088+/-575.976 χ^2/NDF: 113.8/102



Right In: 3943.991+/-0.746 χ^2/NDF: 1806245.9/25

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

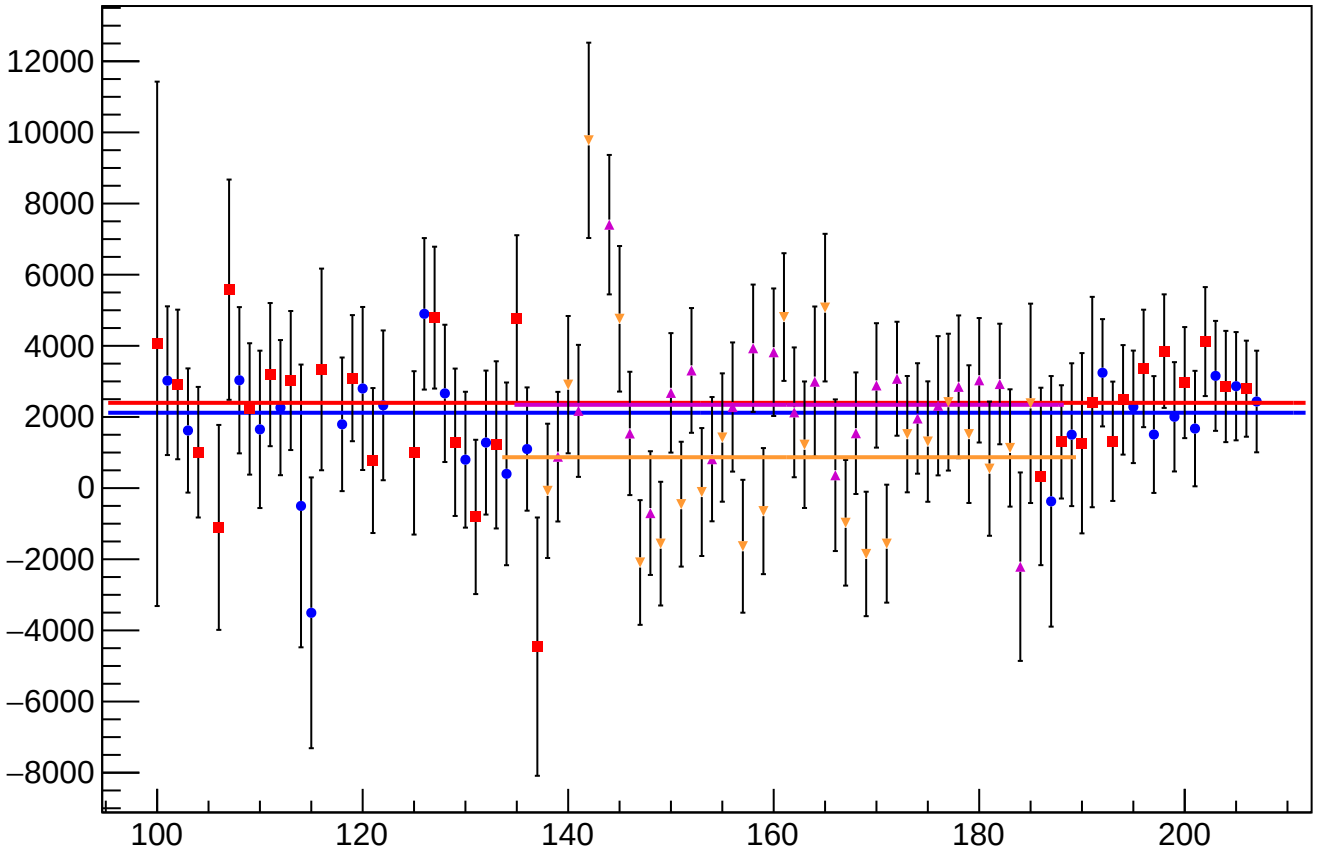
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3929.761+/-0.515 χ^2/NDF: 4054768.8/55

In: 4568.051+/-0.584 χ^2/NDF:4947098.5/48

Out: 4534.448+/-0.569 χ^2/NDF:5496158.7/53

All: 4550.810+/-0.407 χ^2/NDF: 10444957.9/1



Right In: 2118.740+/-370.583 χ^2/NDF: 8.6/25

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

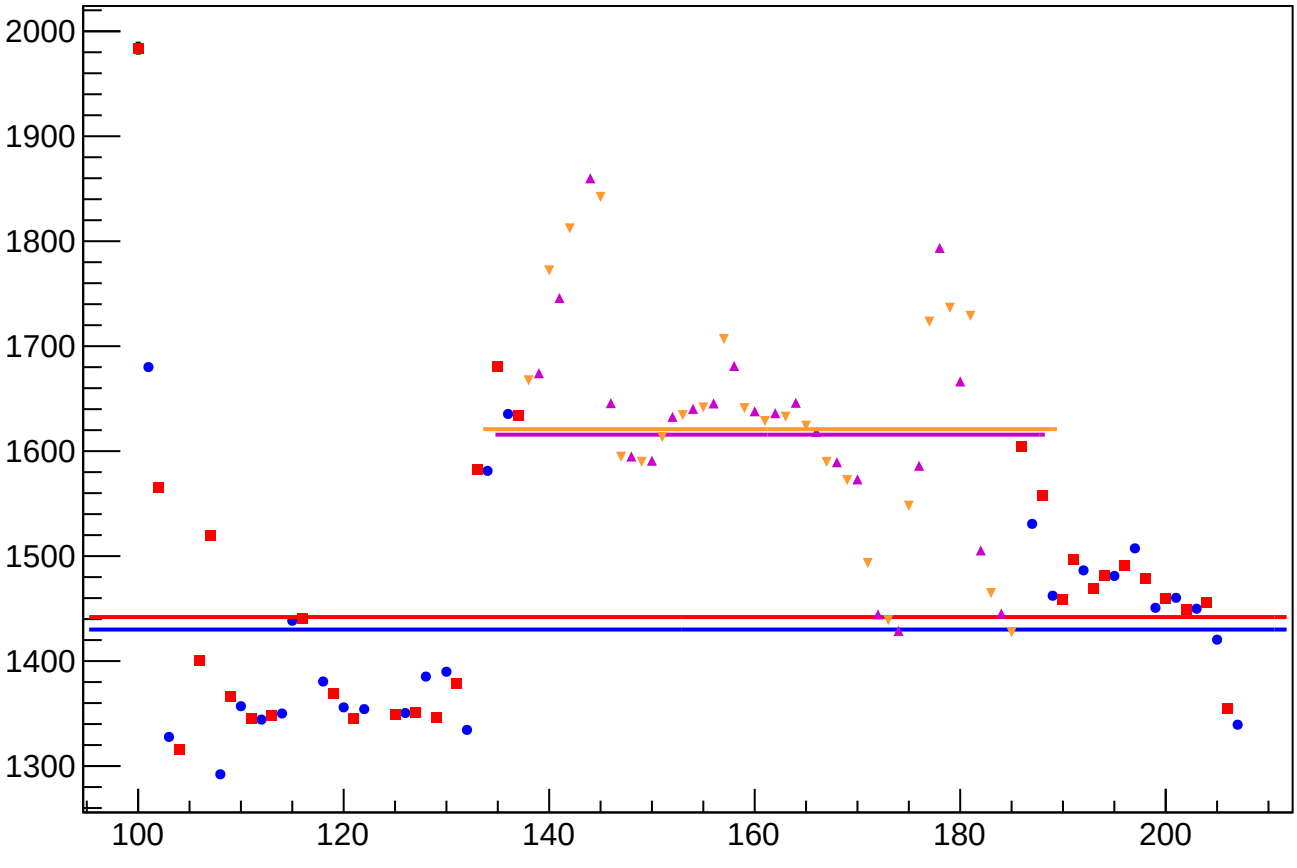
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2262.267+/-258.087 χ^2/NDF: 26.9/55

In: 2228.273+/-264.664 χ^2/NDF:26.8/48

Out: 1669.298+/-260.285 χ^2/NDF:66.4/53

All: 1944.123+/-185.578 χ^2/NDF: 95.5/102



Right In: 1430.041+/-0.262 χ^2/NDF: 122864.9/25

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

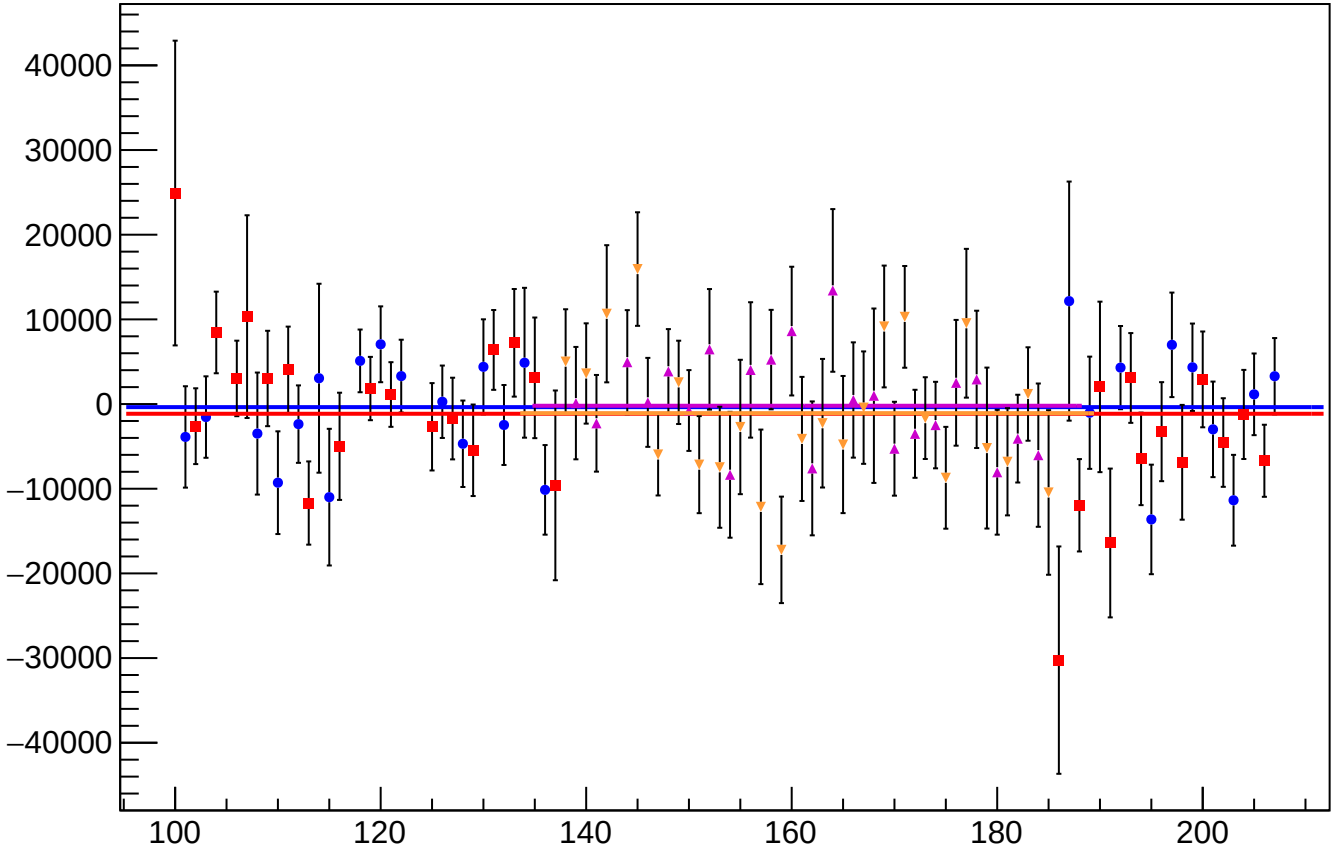
Right: 1436.177+/-0.182 χ^2/NDF: 253377.0/55

In: 1521.006+/-0.187 χ^2/NDF:505967.2/48

Out: 1527.076+/-0.184 χ^2/NDF:507664.3/53

All: 1524.094+/-0.131 χ^2/NDF: 1014166.5/10

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -363.611+/-1054.586 χ^2/NDF: 29.2/25

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

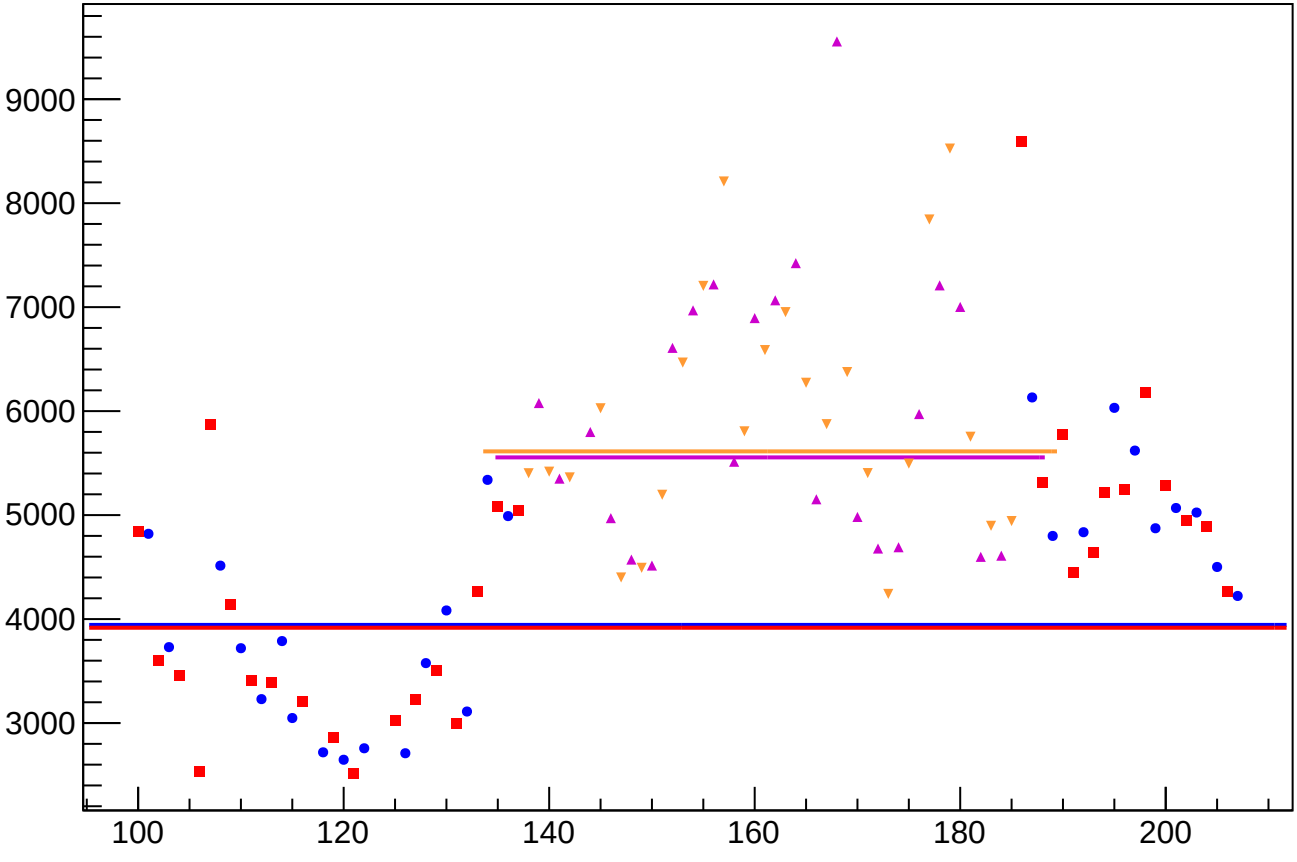
Right: -773.109+/-728.848 χ^2/NDF: 67.8/55

In: -300.874+/-825.419 χ^2/NDF:42.1/48

Out: -1123.773+/-804.106 χ^2/NDF:71.2/53

All: -723.085+/-575.976 χ^2/NDF: 113.8/102

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 3943.984+/-0.746 χ^2/NDF: 1806279.6/25

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

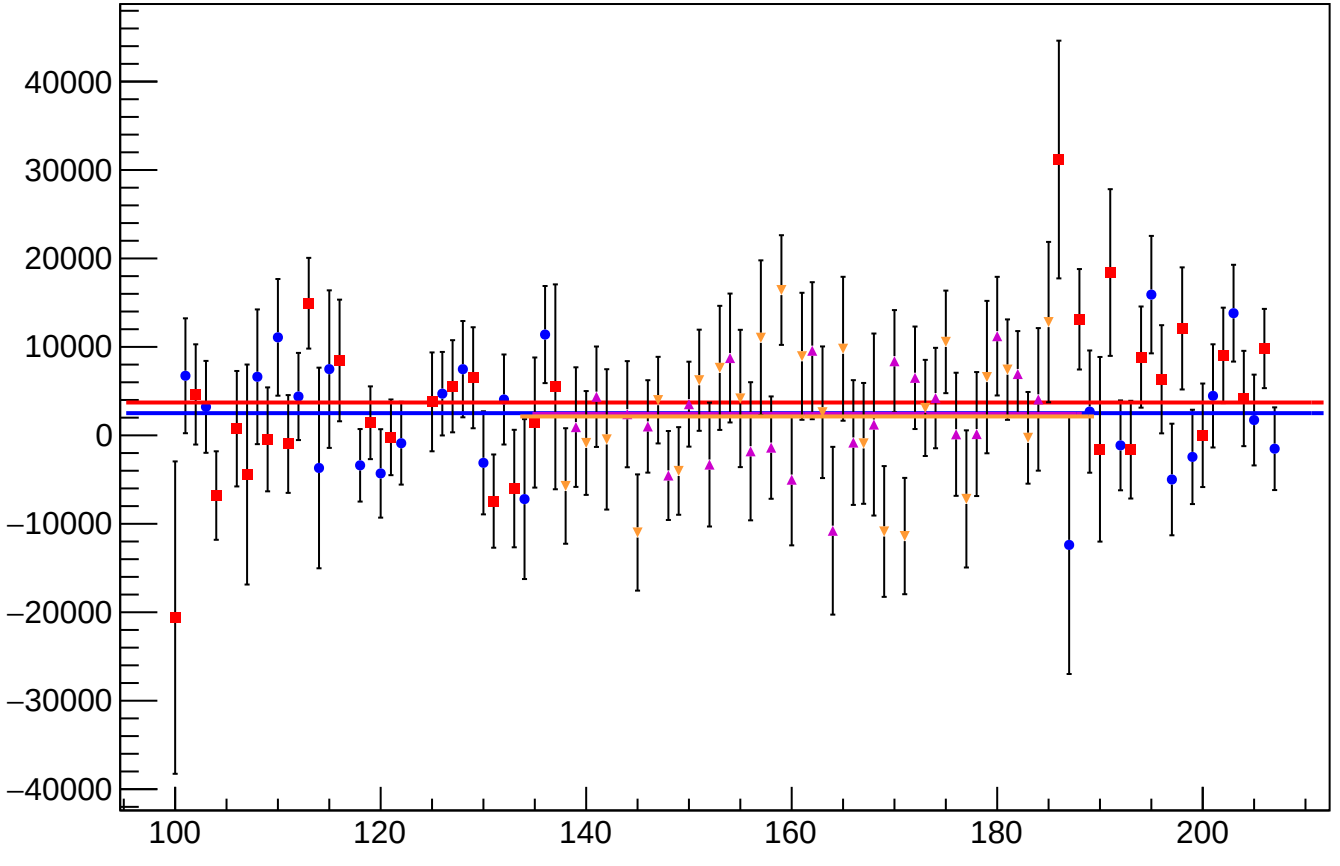
Right: 3929.754+/-0.515 χ^2/NDF: 4054831.8/55

In: 4568.048+/-0.584 χ^2/NDF:4947165.7/48

Out: 4534.444+/-0.569 χ^2/NDF:5496224.5/53

All: 4550.807+/-0.407 χ^2/NDF: 10445090.9/1

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2510.383+/-1122.492 χ^2/NDF: 26.5/25

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

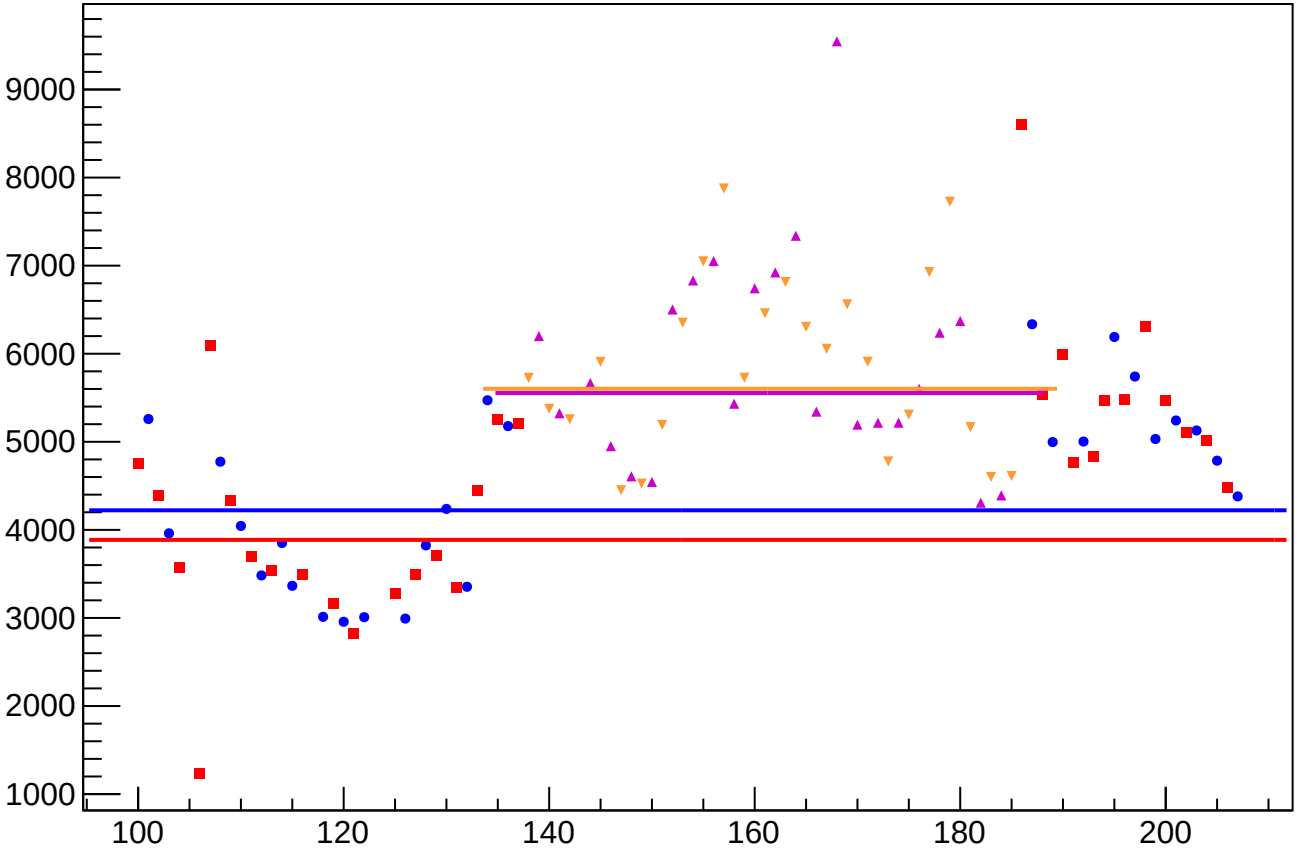
Right: 3128.843+/-782.657 χ^2/NDF: 65.1/55

In: 2475.867+/-855.407 χ^2/NDF:39.4/48

Out: 3076.338+/-842.456 χ^2/NDF:69.5/53

All: 2780.683+/-600.233 χ^2/NDF: 109.1/102

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4222.372+/-0.794 χ^2/NDF: 1468242.2/25

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

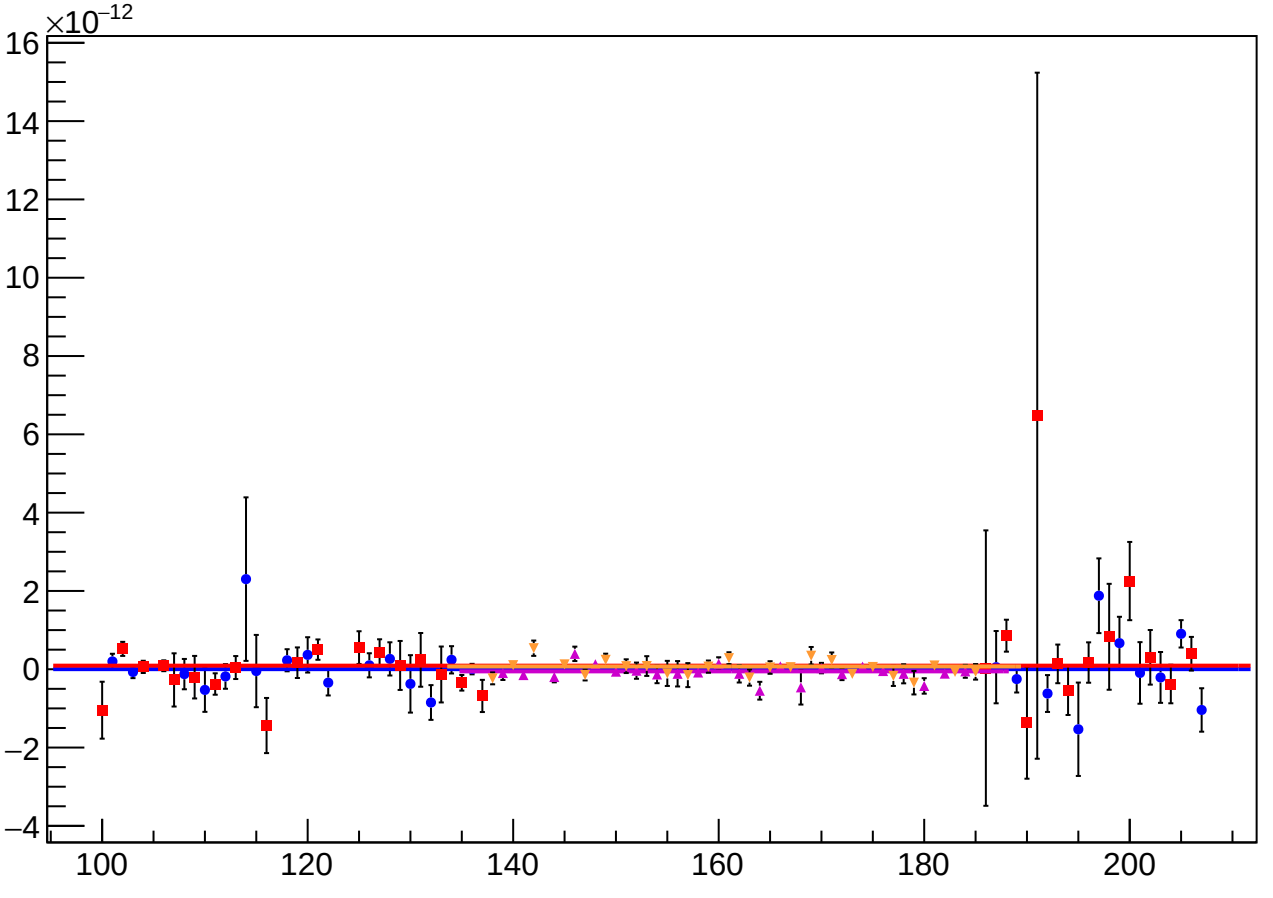
Right: 4040.254+/-0.537 χ^2/NDF: 5263323.2/55

In: 4780.697+/-0.605 χ^2/NDF:3760611.3/48

Out: 4534.481+/-0.576 χ^2/NDF:6727571.1/53

All: 4651.477+/-0.417 χ^2/NDF: 10575145.0/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 30.2/25

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

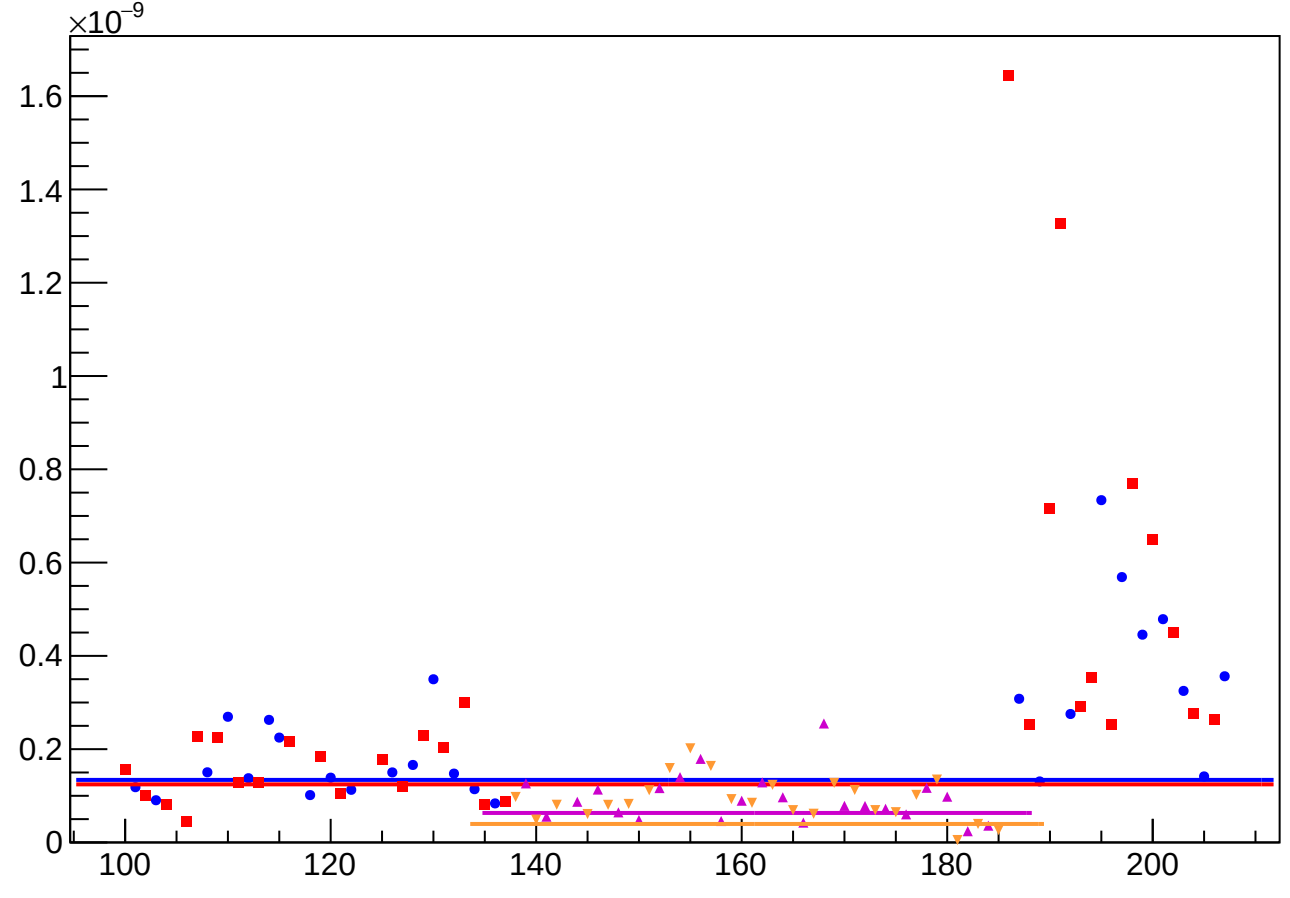
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 73.4/55

In: -0.000+/-0.000 χ^2/NDF:56.2/48

Out: 0.000+/-0.000 χ^2/NDF:70.6/53

All: 0.000+/-0.000 χ^2/NDF: 139.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 3309555.3/25

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

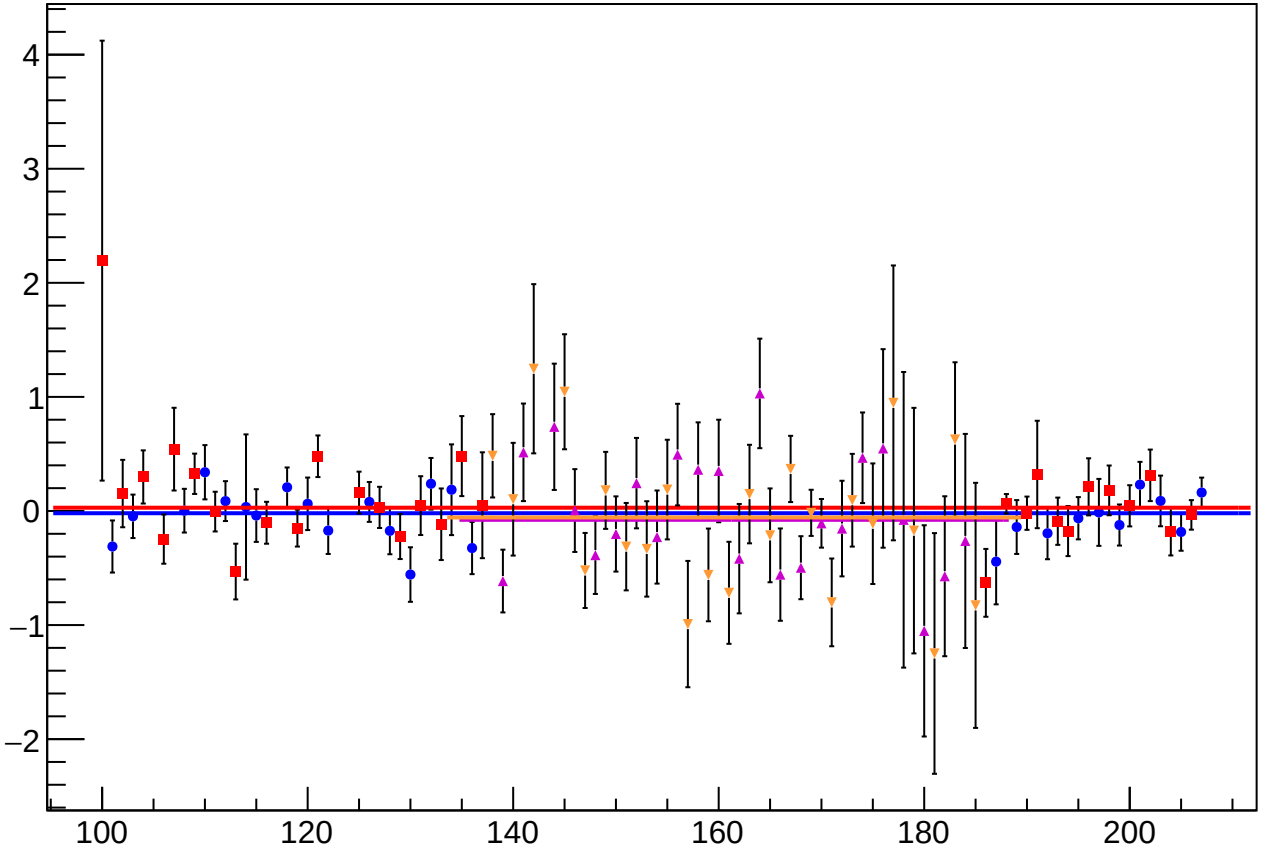
Right: 0.000+/-0.000 χ^2/NDF: 8141818.7/55

In: 0.000+/-0.000 χ^2/NDF:8226983.6/48

Out: 0.000+/-0.000 χ^2/NDF:15111976.2/53

All: 0.000+/-0.000 χ^2/NDF: 24484168.6/102

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.041 χ^2/NDF: 23.3/25

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

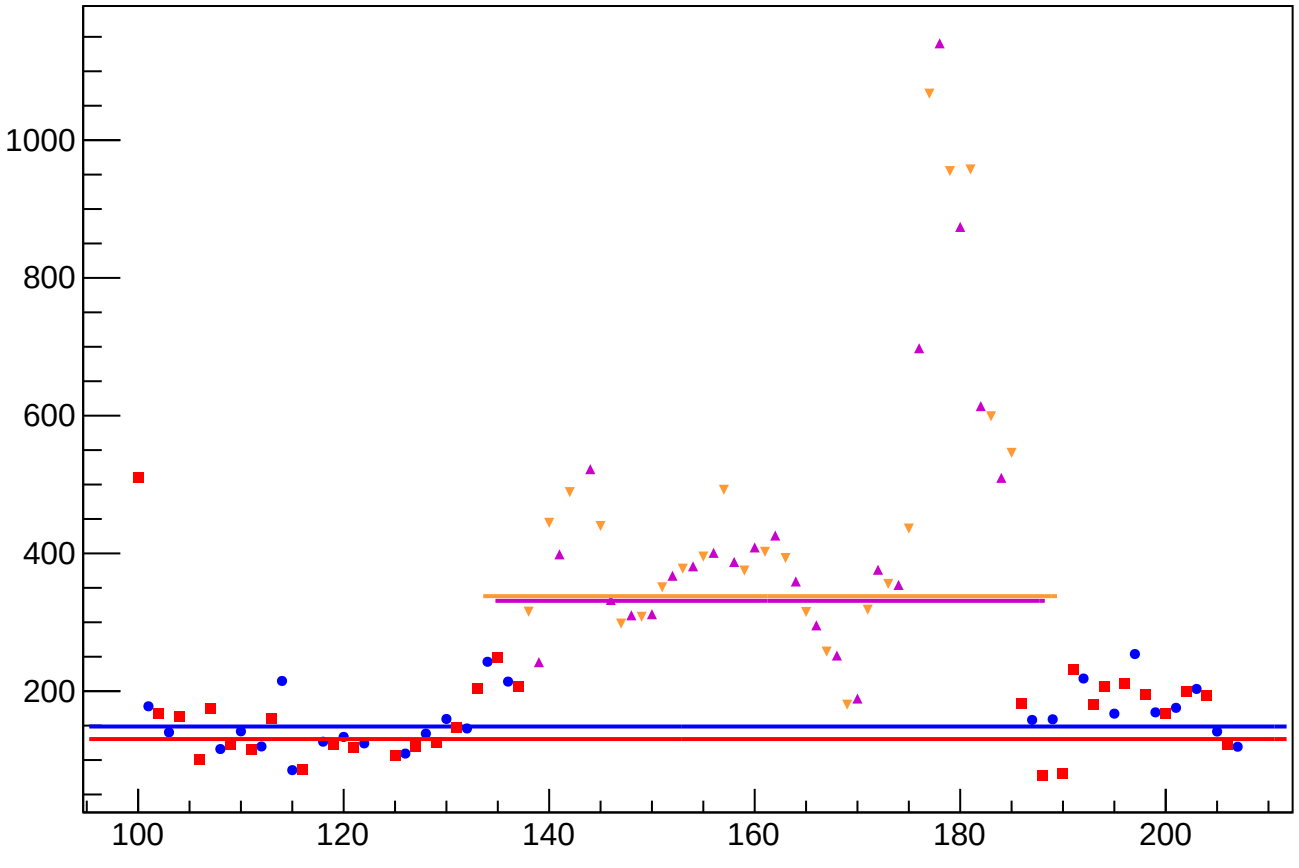
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.008+/-0.027 χ^2/NDF: 61.0/55

In: -0.031+/-0.037 χ^2/NDF:50.7/48

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: -0.005+/-0.025 χ^2/NDF: 119.8/102



Right In: 148.683+/-0.029 χ^2/NDF: 1536253.4/25

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

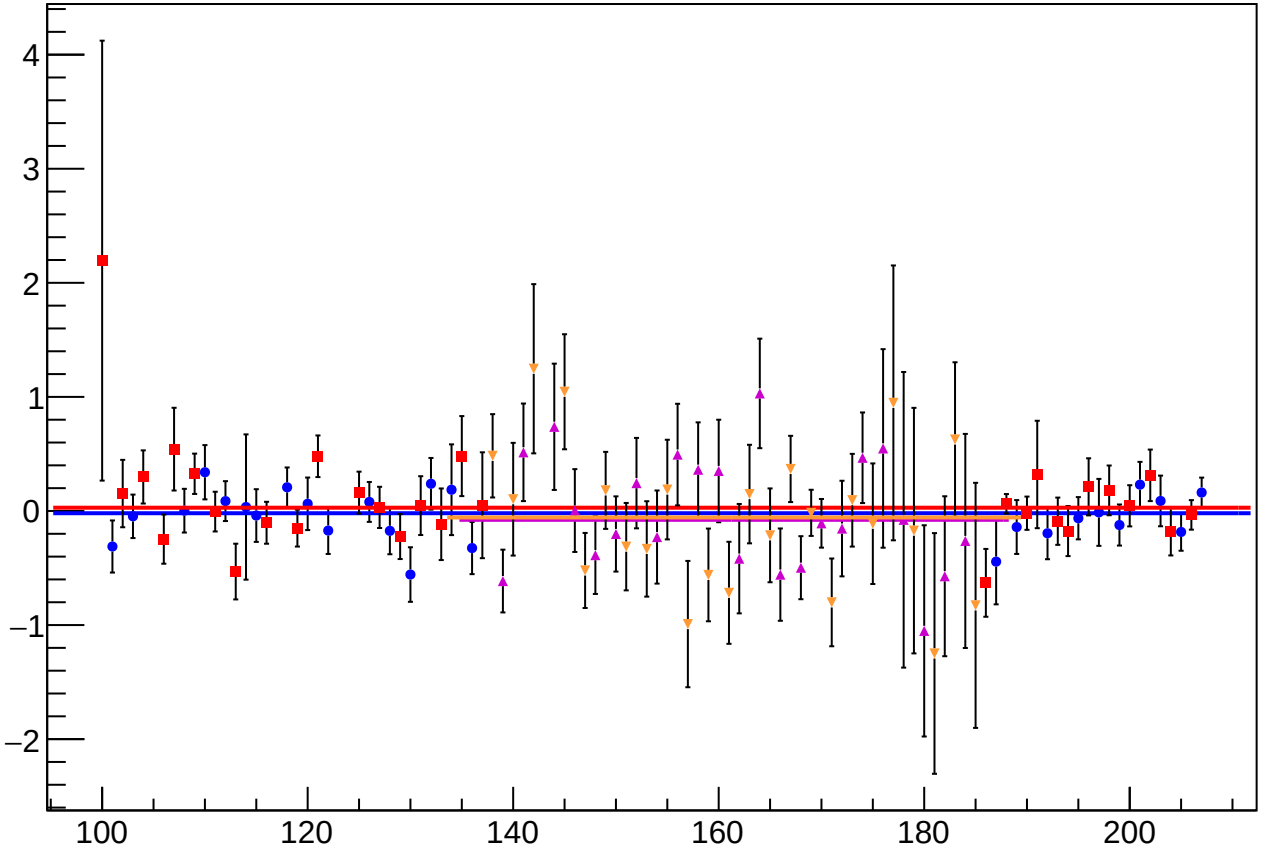
Right: 138.371+/-0.019 χ^2/NDF: 4967302.7/55

In: 184.099+/-0.026 χ^2/NDF:13356647.4/48

Out: 161.536+/-0.023 χ^2/NDF:17746716.8/53

All: 171.635+/-0.017 χ^2/NDF: 31519868.5/10

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.041 χ^2/NDF: 23.3/25

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

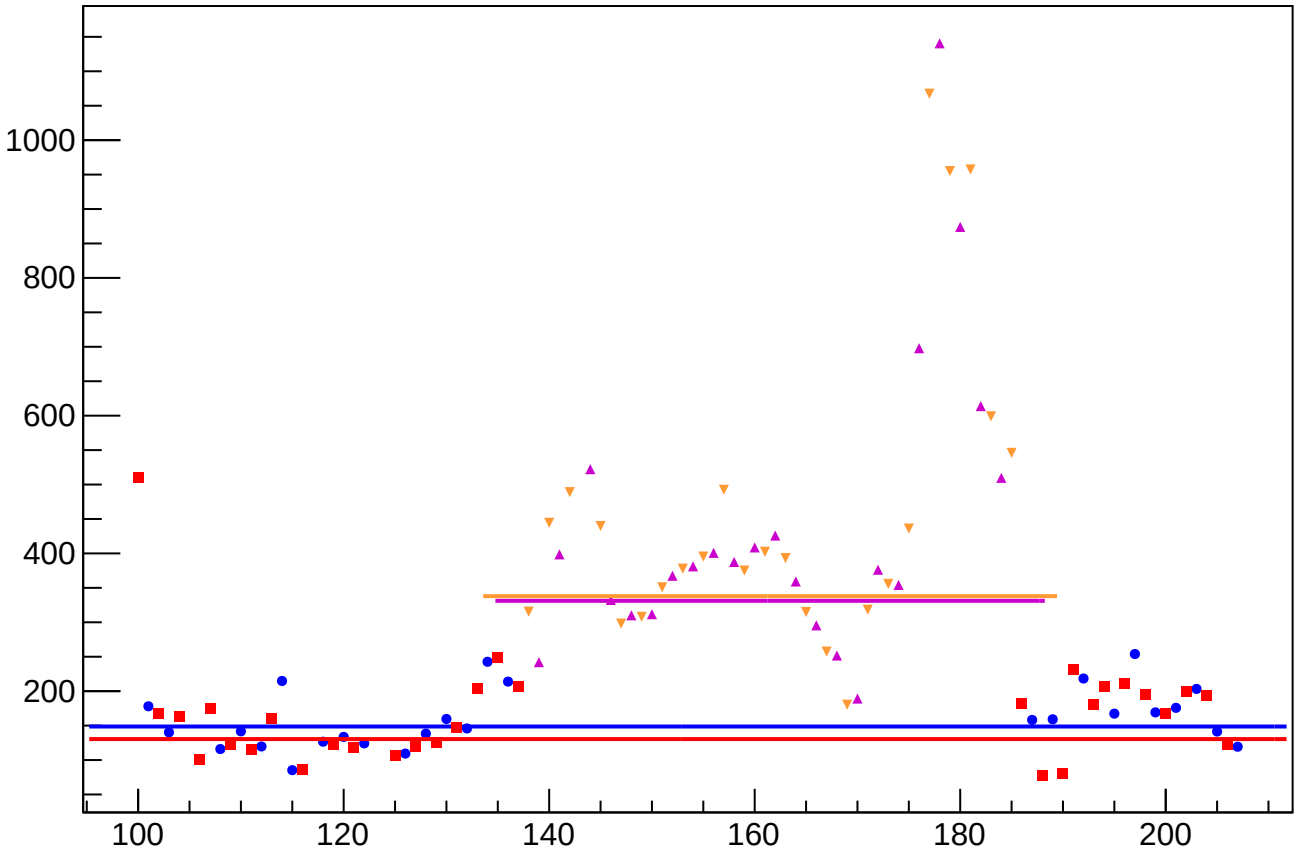
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.008+/-0.027 χ^2/NDF: 61.0/55

In: -0.031+/-0.037 χ^2/NDF:50.7/48

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: -0.005+/-0.025 χ^2/NDF: 119.8/102



Right In: 148.683+/-0.029 χ^2/NDF: 1536253.4/25

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

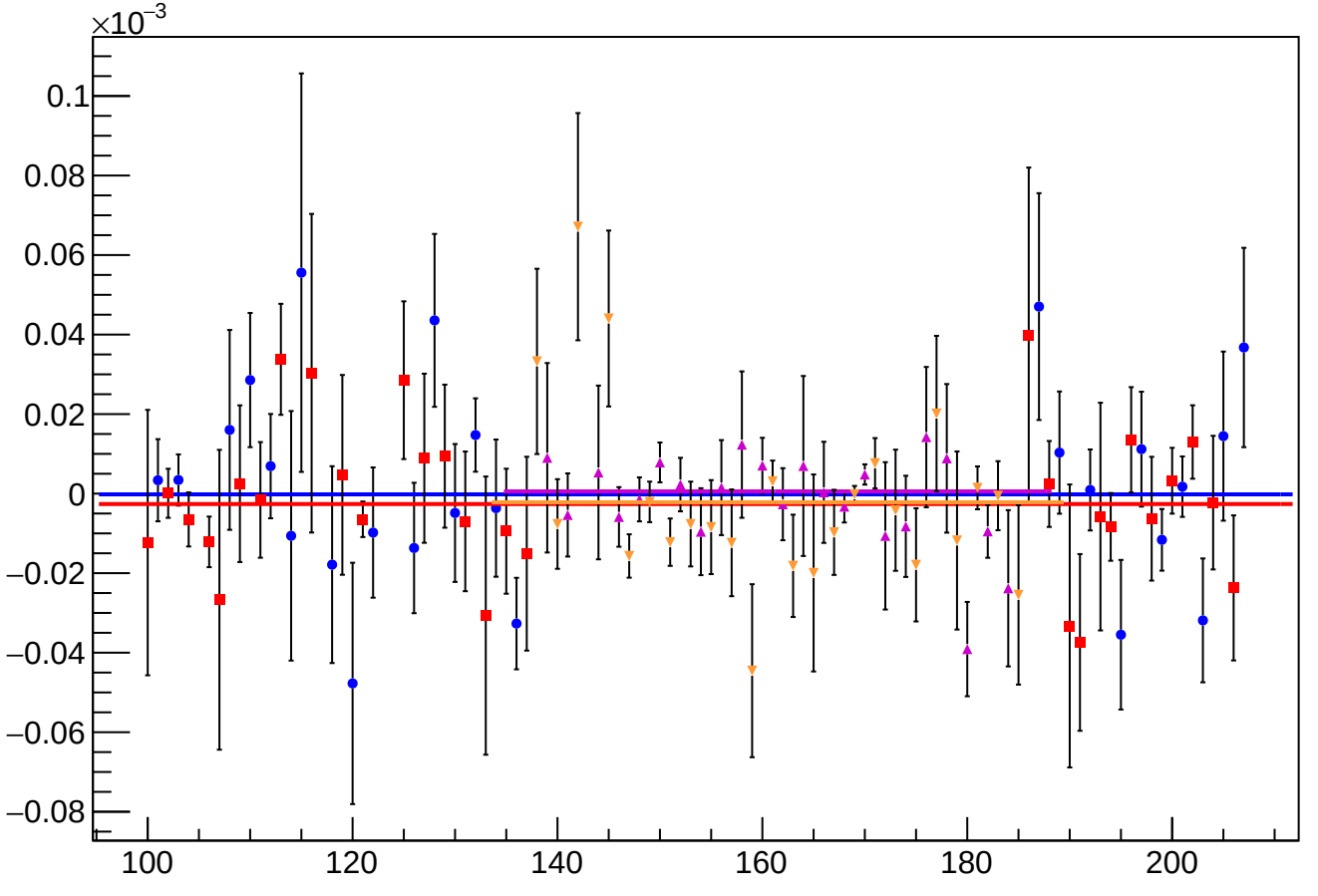
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 138.371+/-0.019 χ^2/NDF: 4967302.7/55

In: 184.099+/-0.026 χ^2/NDF:13356647.4/48

Out: 161.536+/-0.023 χ^2/NDF:17746716.8/53

All: 171.635+/-0.017 χ^2/NDF: 31519868.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 40.5/25

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

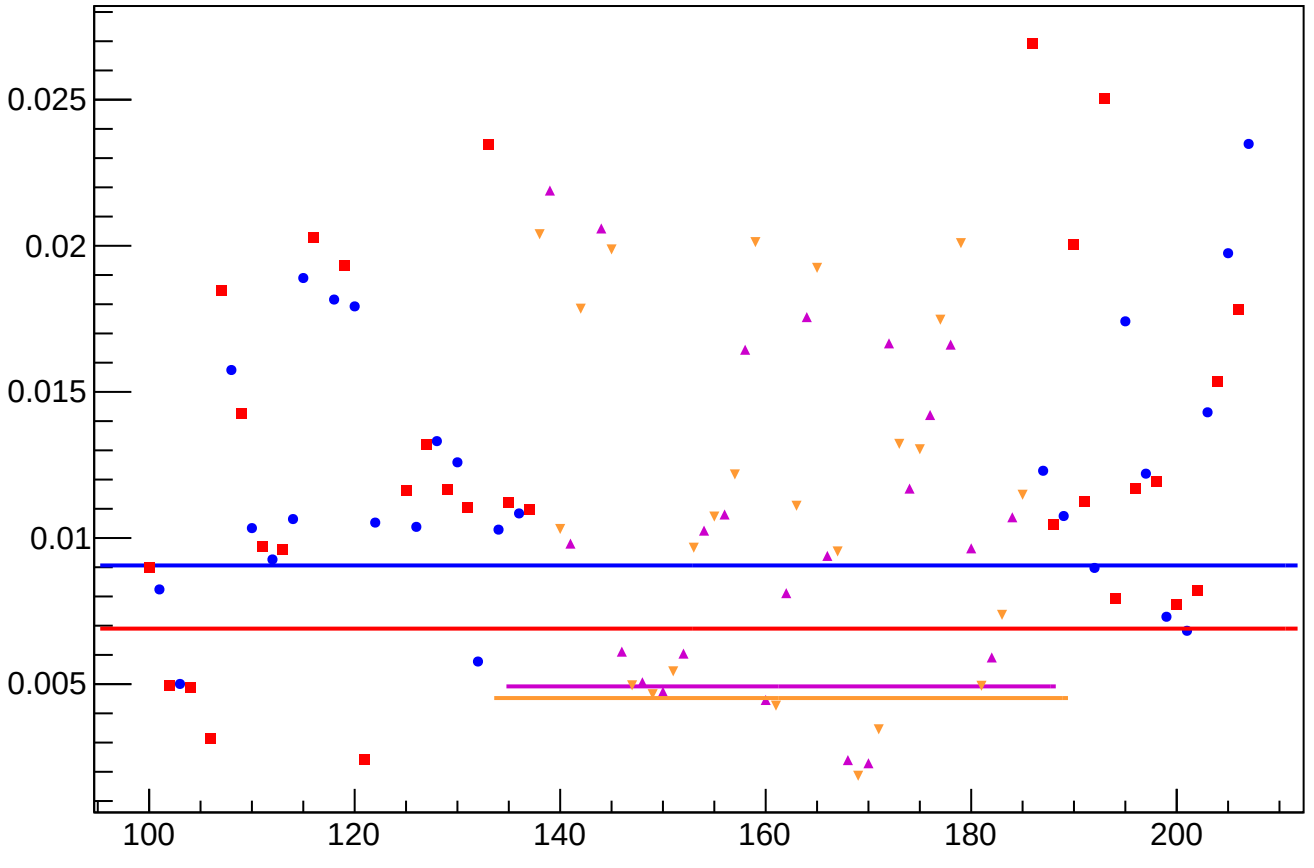
Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

Right: -0.000+/-0.000 χ^2/NDF: 68.2/55

In: 0.000+/-0.000 χ^2/NDF:66.8/48

Out: -0.000+/-0.000 χ^2/NDF:65.0/53

All: -0.000+/-0.000 χ^2/NDF: 134.2/102



Right In: 0.009+/-0.000 χ^2/NDF: 4192444.3/25

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

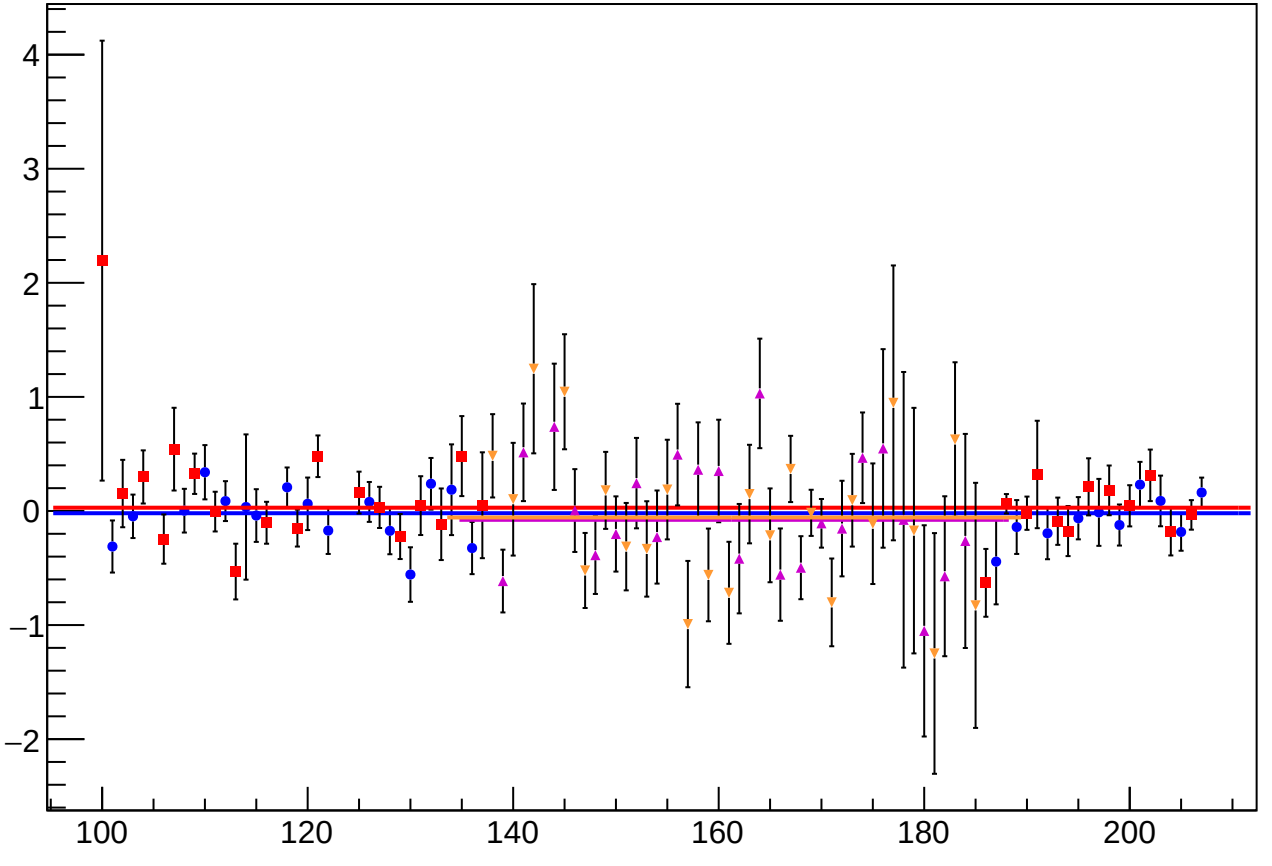
Right: 0.008+/-0.000 χ^2/NDF: 14252059.0/55

In: 0.006+/-0.000 χ^2/NDF:19645685.5/48

Out: 0.005+/-0.000 χ^2/NDF:25230247.1/53

All: 0.006+/-0.000 χ^2/NDF: 45197963.3/102

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.041 χ^2/NDF: 23.3/25

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

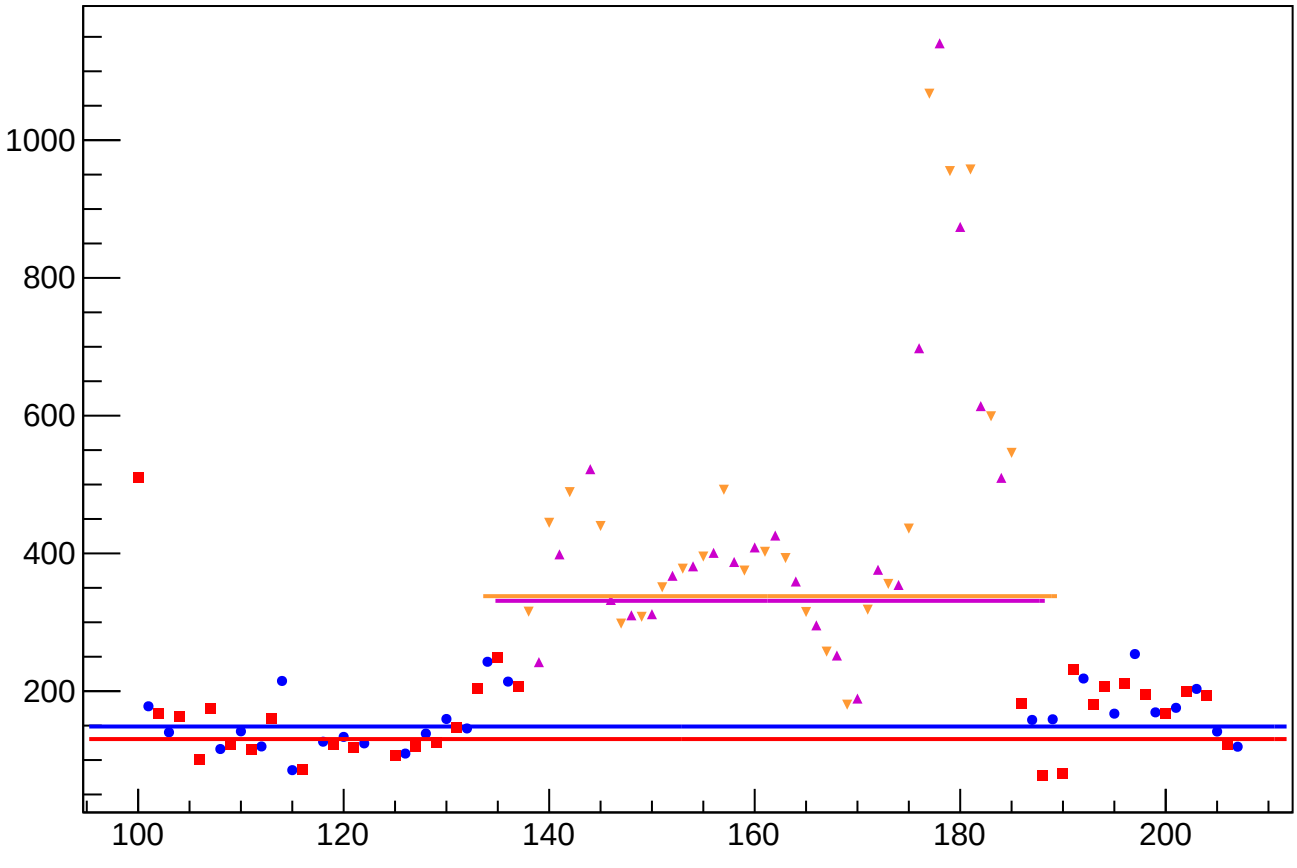
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.008+/-0.027 χ^2/NDF: 61.0/55

In: -0.031+/-0.037 χ^2/NDF:50.7/48

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: -0.005+/-0.025 χ^2/NDF: 119.8/102



Right In: 148.684+/-0.029 χ^2/NDF: 1536234.5/25

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

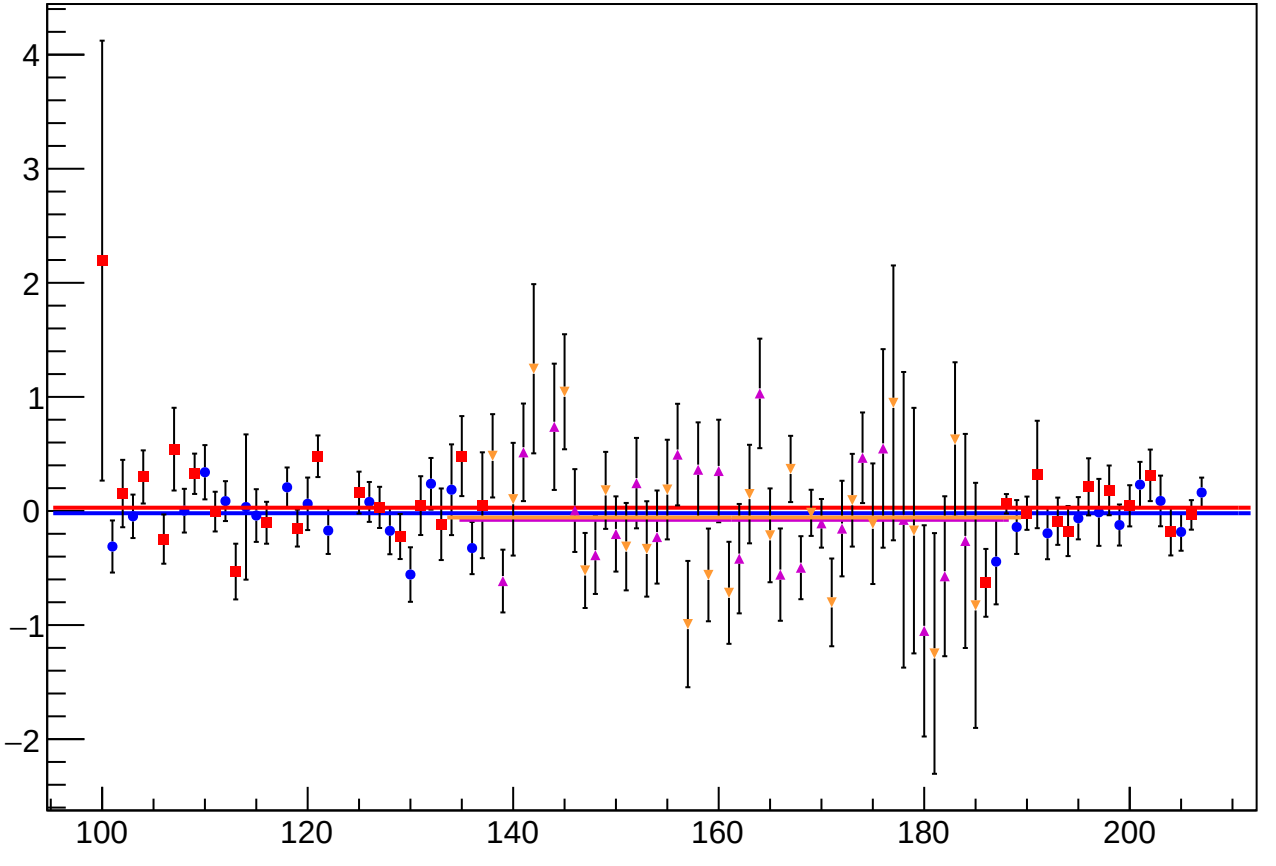
Right: 138.370+/-0.019 χ^2/NDF: 4967502.4/55

In: 184.100+/-0.026 χ^2/NDF:13356724.7/48

Out: 161.534+/-0.023 χ^2/NDF:17747179.6/53

All: 171.635+/-0.017 χ^2/NDF: 31520480.0/10

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.020+/-0.041 χ^2/NDF: 23.3/25

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

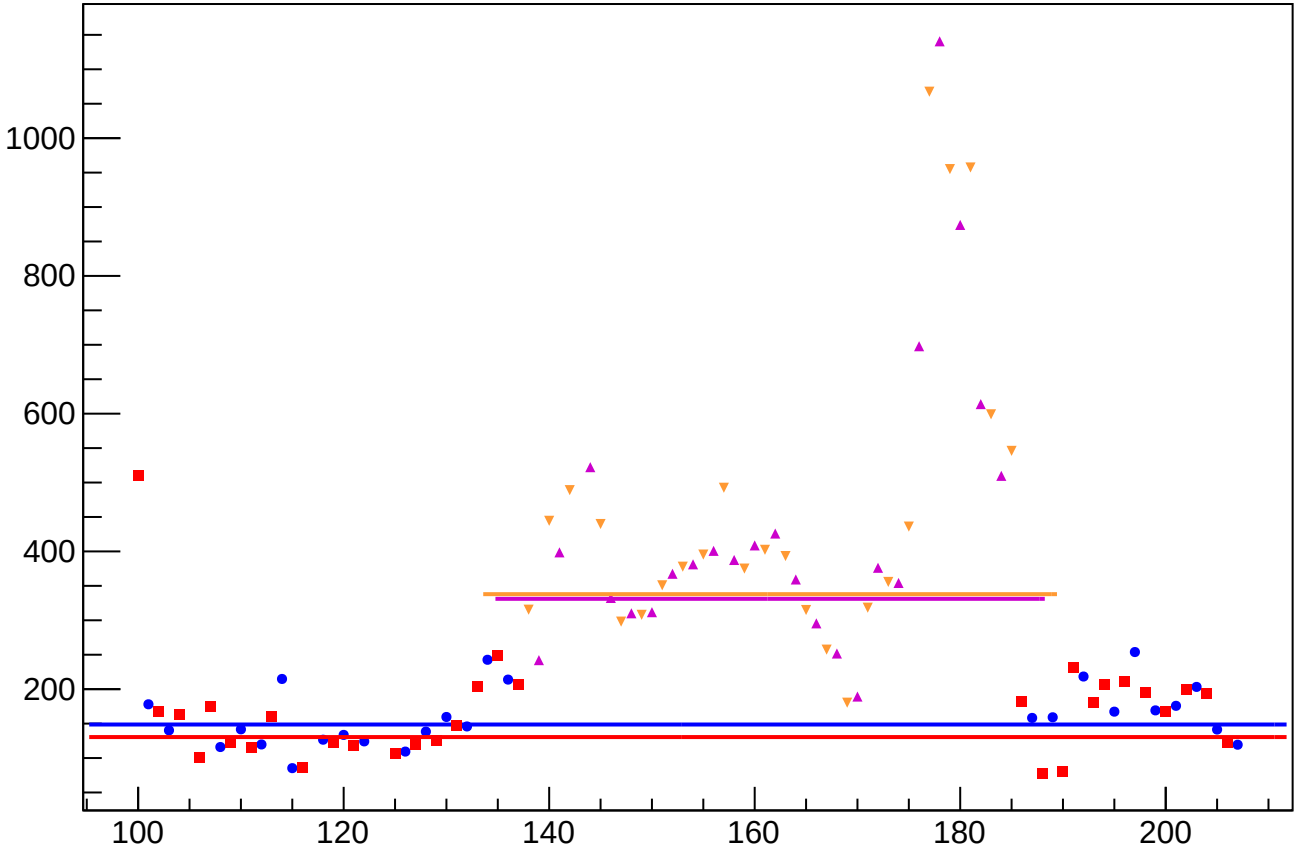
Right: 0.008+/-0.027 χ^2/NDF: 61.0/55

In: -0.031+/-0.037 χ^2/NDF:50.7/48

Out: 0.016+/-0.033 χ^2/NDF:68.2/53

All: -0.005+/-0.025 χ^2/NDF: 119.8/102

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 148.684+/-0.029 χ^2/NDF: 1536234.5/25

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

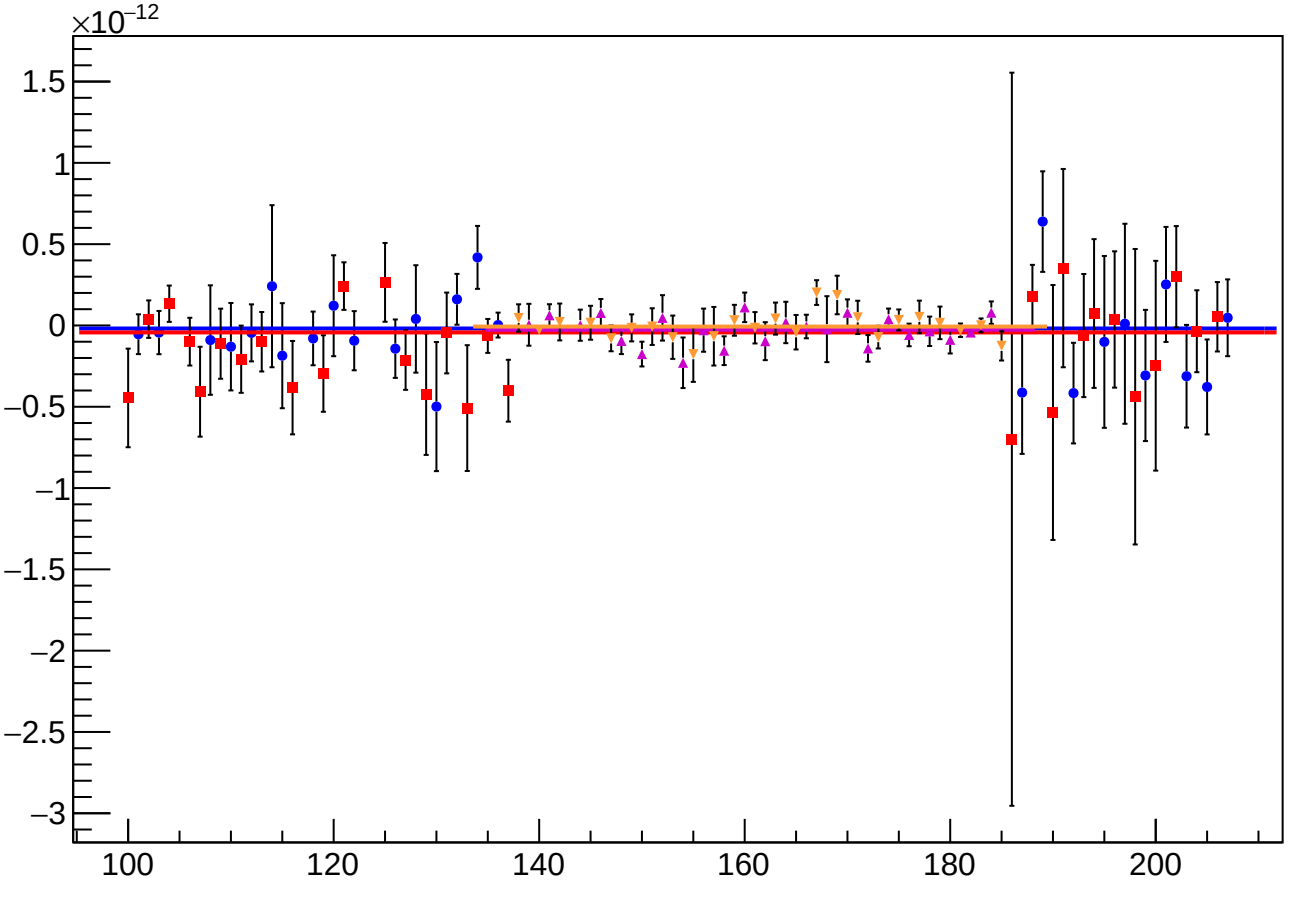
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 138.370+/-0.019 χ^2/NDF: 4967502.4/55

In: 184.100+/-0.026 χ^2/NDF:13356724.7/48

Out: 161.534+/-0.023 χ^2/NDF:17747179.6/53

All: 171.635+/-0.017 χ^2/NDF: 31520480.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/25

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

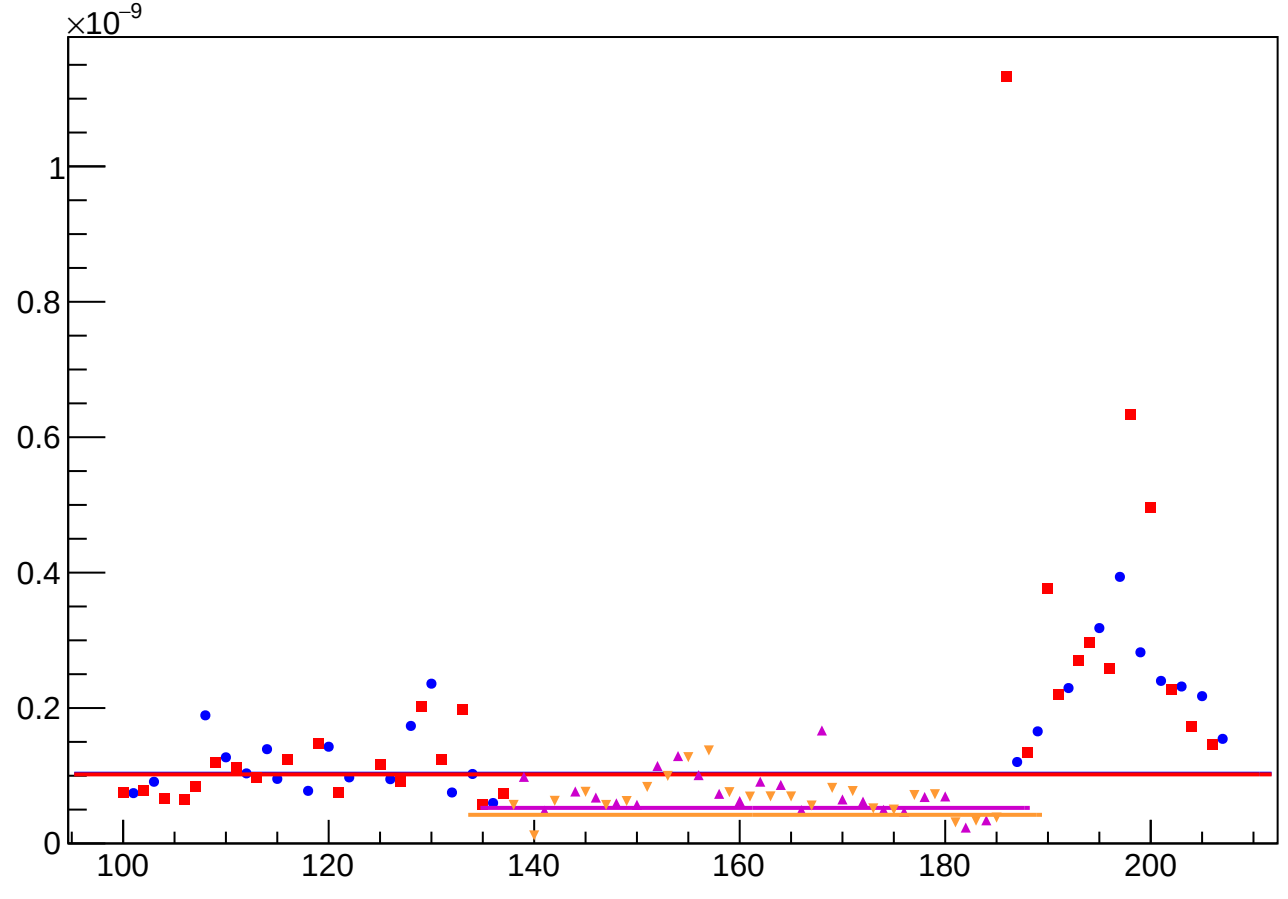
Right: -0.000+/-0.000 χ^2/NDF: 47.3/55

In: -0.000+/-0.000 χ^2/NDF:43.6/48

Out: -0.000+/-0.000 χ^2/NDF:45.2/53

All: -0.000+/-0.000 χ^2/NDF: 89.3/102

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4019627.6/25

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

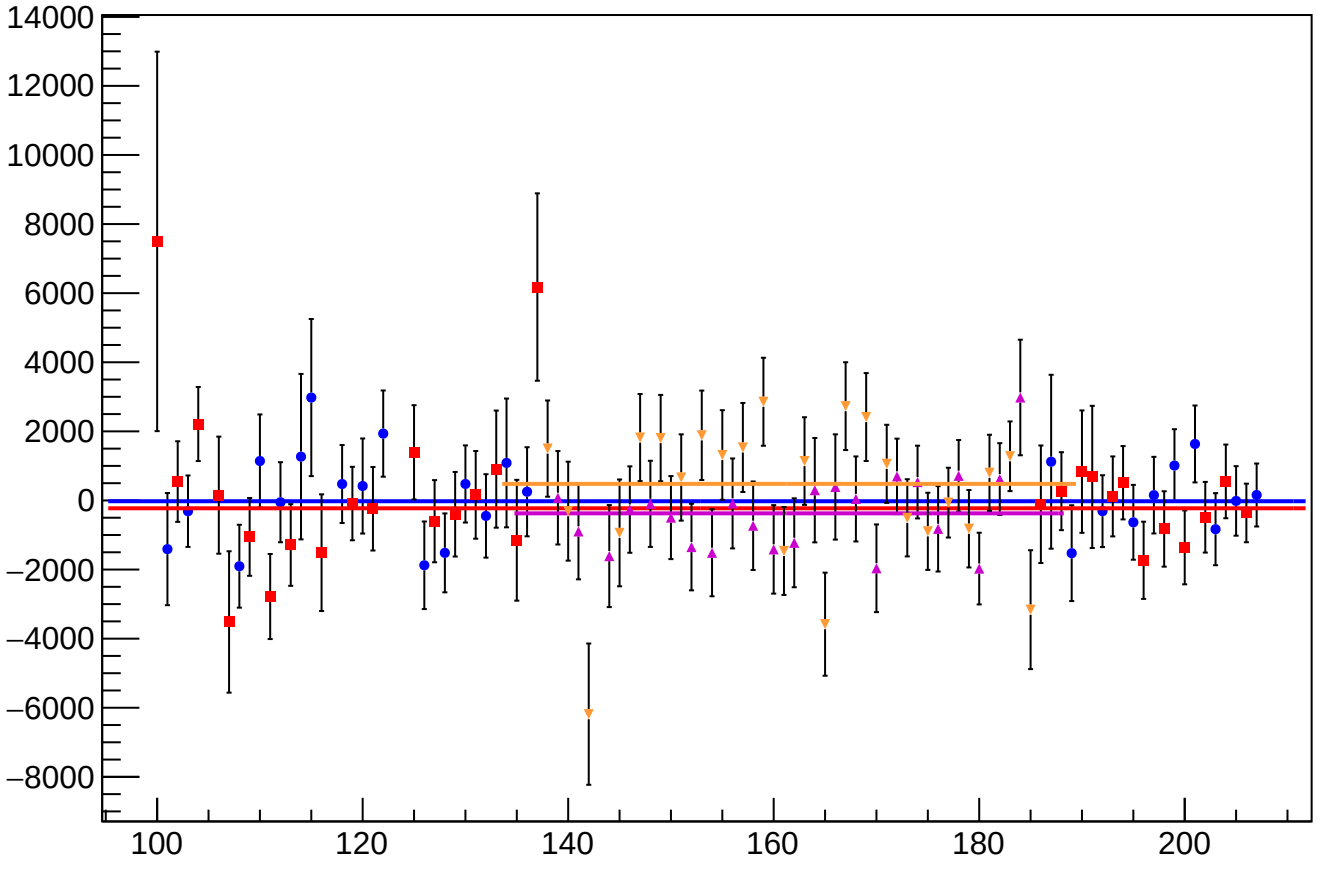
Right: 0.000+/-0.000 χ^2/NDF: 9153400.6/55

In: 0.000+/-0.000 χ^2/NDF:11723552.6/48

Out: 0.000+/-0.000 χ^2/NDF:16032044.8/53

All: 0.000+/-0.000 χ^2/NDF: 28272447.6/102

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -22.171+/-239.155 χ^2/NDF: 19.0/25

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

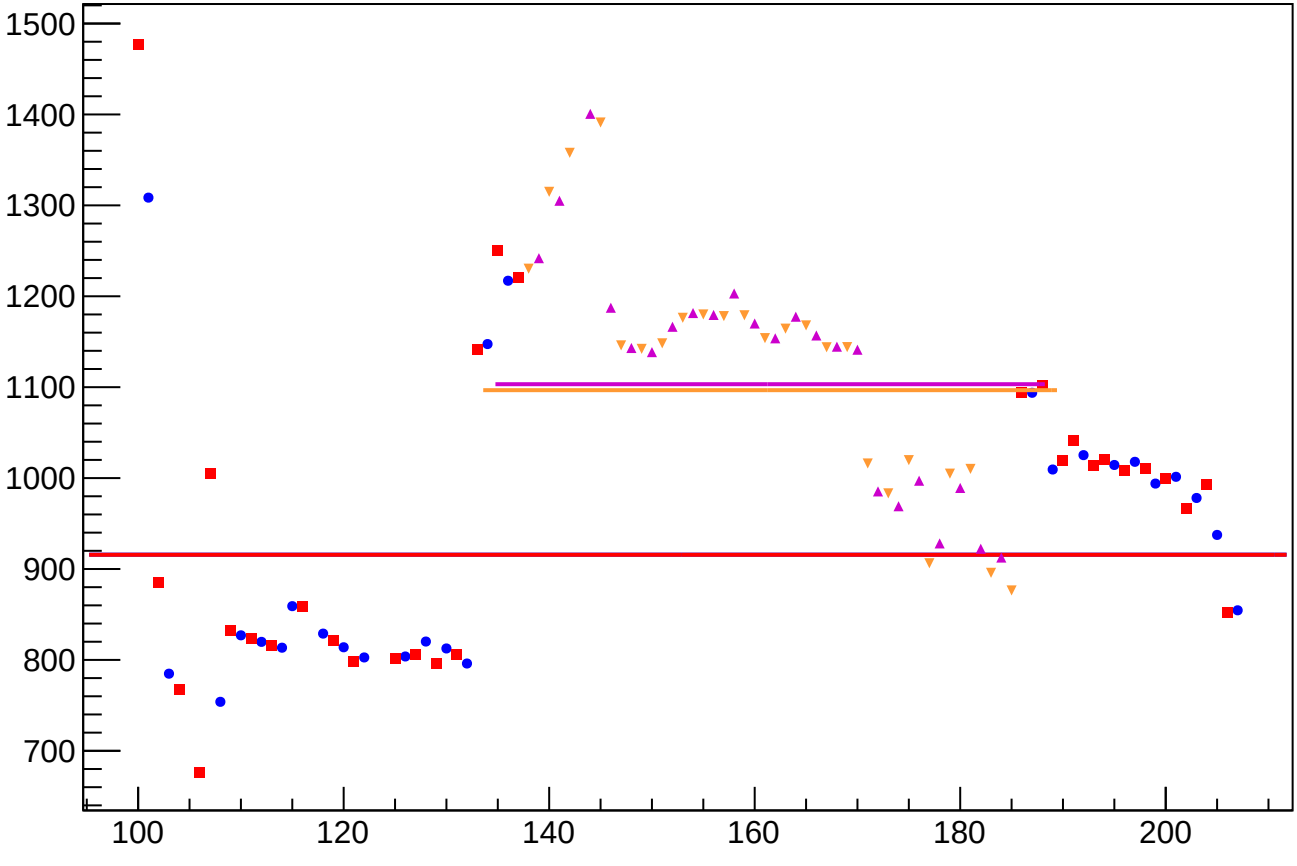
Right: -127.896+/-166.202 χ^2/NDF: 49.0/55

In: -183.386+/-175.804 χ^2/NDF:36.0/48

Out: 90.054+/-171.657 χ^2/NDF:78.9/53

All: -43.403+/-122.820 χ^2/NDF: 116.2/102

reg_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 915.789+/-0.169 χ^2/NDF: 573357.5/25

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

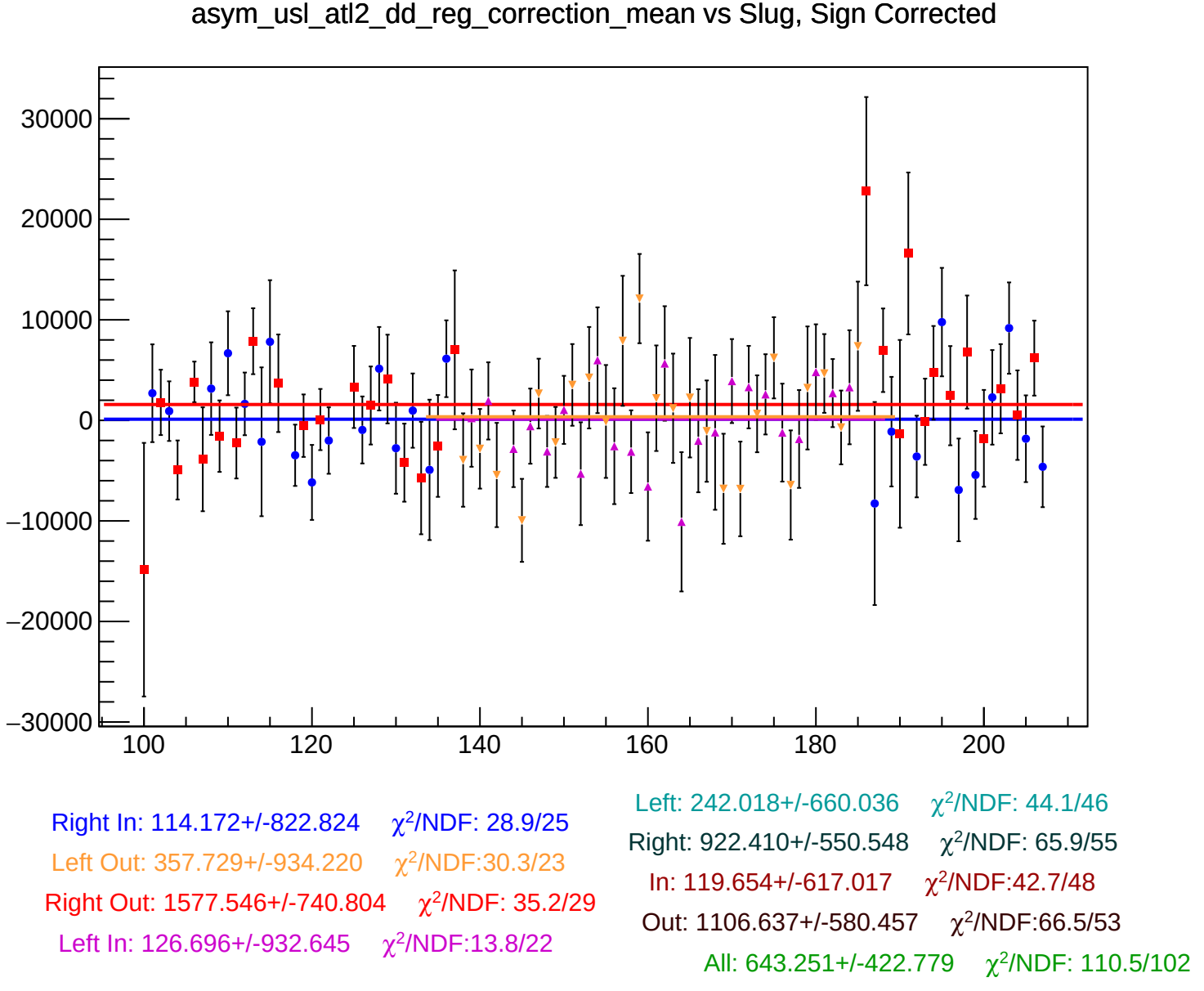
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

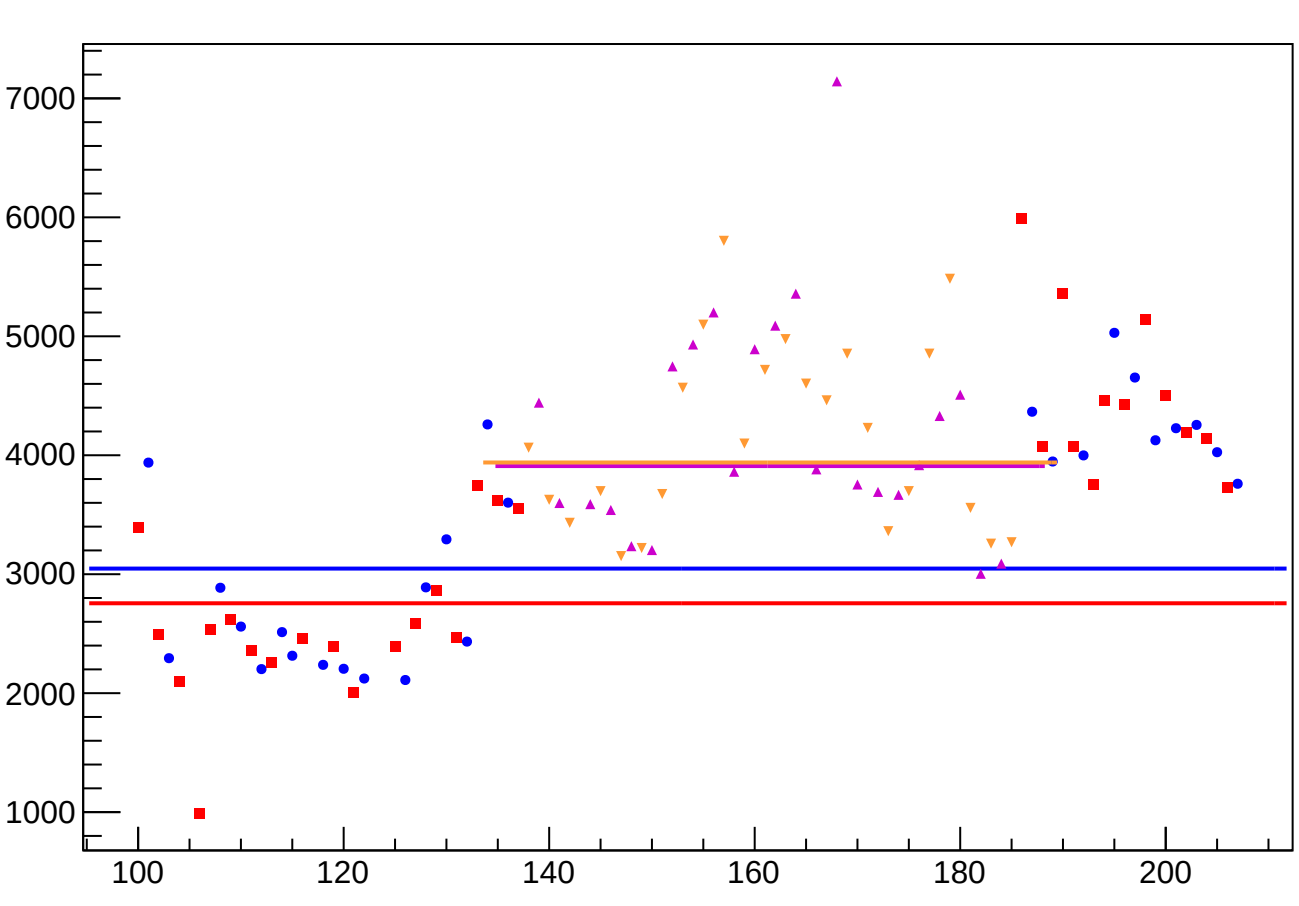
Right: 915.719+/-0.117 χ^2/NDF: 1171177.7/55

In: 1001.965+/-0.124 χ^2/NDF:1585881.9/48

Out: 996.273+/-0.121 χ^2/NDF:1631853.2/53

All: 999.041+/-0.087 χ^2/NDF: 3218811.8/102


asym_usl_atl2_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 114.172+/-822.824 χ²/NDF: 28.9/25
Left Out: 357.729+/-934.220 χ²/NDF:30.3/23
Right Out: 1577.546+/-740.804 χ²/NDF: 35.2/29
Left In: 126.696+/-932.645 χ²/NDF:13.8/22
Left: 242.018+/-660.036 χ²/NDF: 44.1/46
Right: 922.410+/-550.548 χ²/NDF: 65.9/55
In: 119.654+/-617.017 χ²/NDF:42.7/48
Out: 1106.637+/-580.457 χ²/NDF:66.5/53
All: 643.251+/-422.779 χ²/NDF: 110.5/102



Right In: 3047.381+/-0.582 χ^2/NDF: 2356301.8/25

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

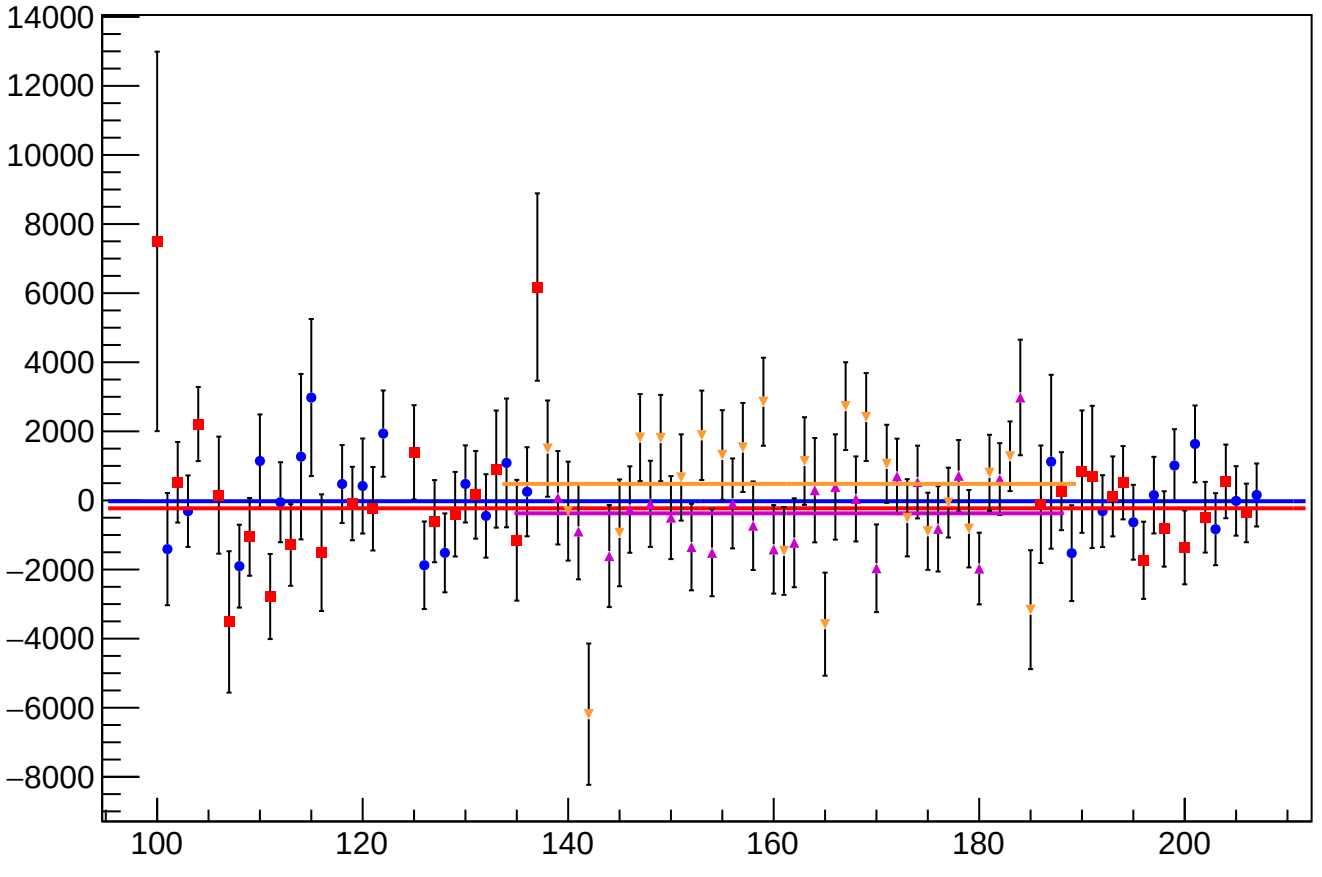
Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

Right: 2886.283+/-0.389 χ^2/NDF: 6964167.7/55

In: 3424.556+/-0.436 χ^2/NDF:4617233.4/48

Out: 3212.613+/-0.410 χ^2/NDF:7532541.9/53

All: 3312.120+/-0.299 χ^2/NDF: 12274963.1/1



Right In: -22.171+/-239.155 χ^2/NDF: 19.0/25

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

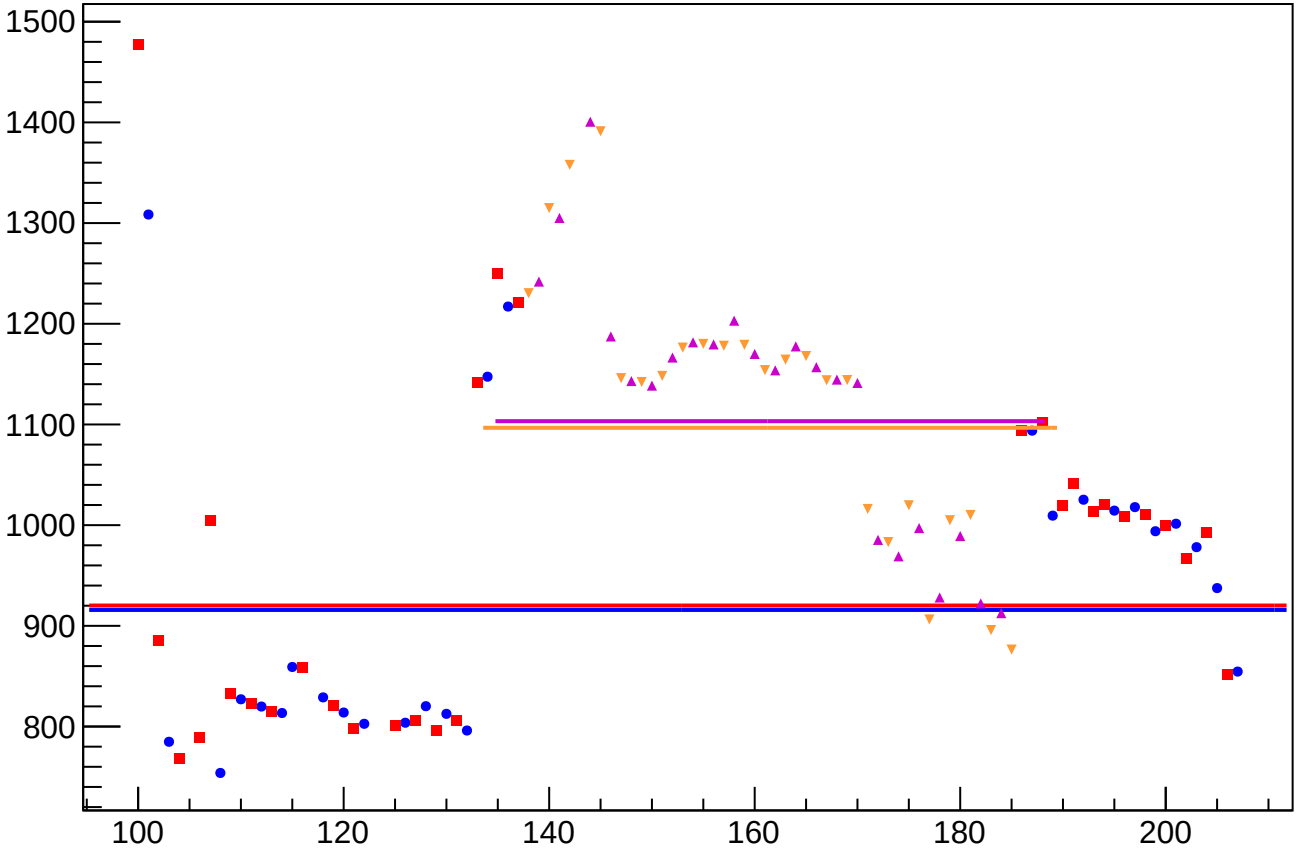
Right: -128.338+/-166.202 χ^2/NDF: 48.9/55

In: -183.375+/-175.804 χ^2/NDF:36.0/48

Out: 89.597+/-171.658 χ^2/NDF:78.9/53

All: -43.632+/-122.820 χ^2/NDF: 116.2/102

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 915.789+/-0.169 χ^2/NDF: 573357.3/25

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

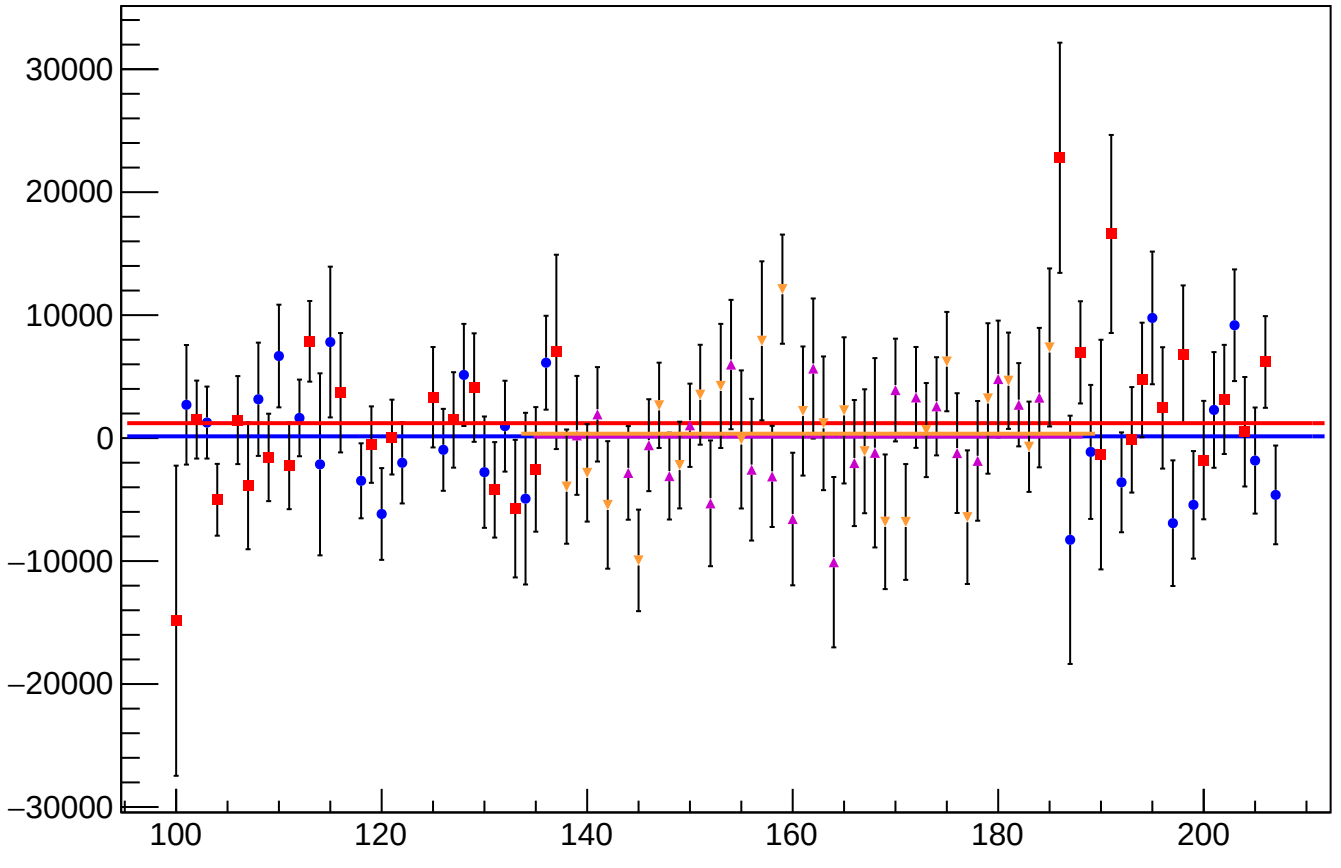
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 918.067+/-0.117 χ^2/NDF: 1117009.8/55

In: 1001.965+/-0.124 χ^2/NDF:1585881.9/48

Out: 999.116+/-0.121 χ^2/NDF:1548212.8/53

All: 1000.504+/-0.087 χ^2/NDF: 3134363.9/10



Right In: 143.529+/-821.978 χ^2/NDF: 29.0/25

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

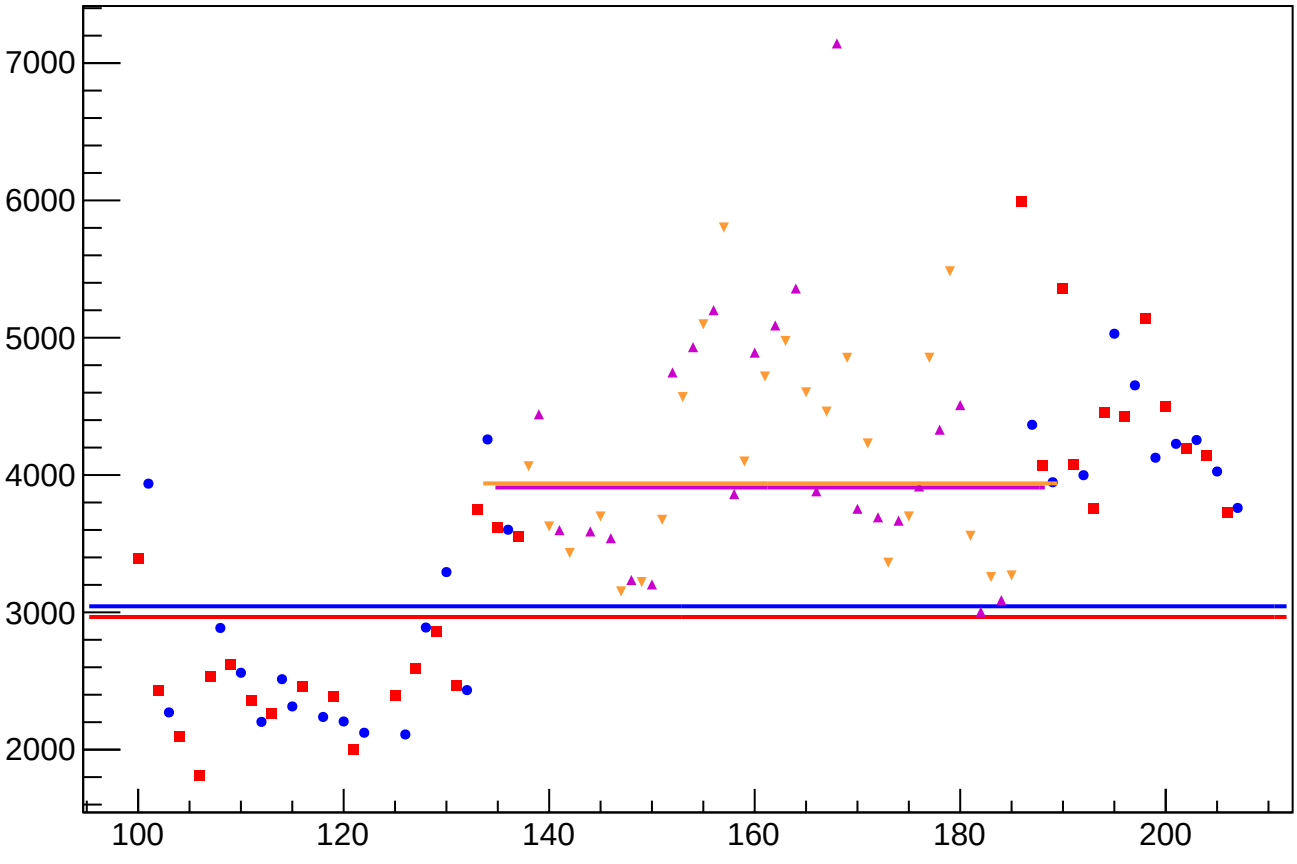
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 710.009+/-564.178 χ^2/NDF: 63.8/55

In: 136.143+/-616.659 χ^2/NDF:42.7/48

Out: 864.880+/-596.822 χ^2/NDF:64.7/53

All: 512.421+/-428.859 χ^2/NDF: 108.2/102



Right In: 3044.005+/-0.581 χ^2/NDF: 2367837.4/25

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

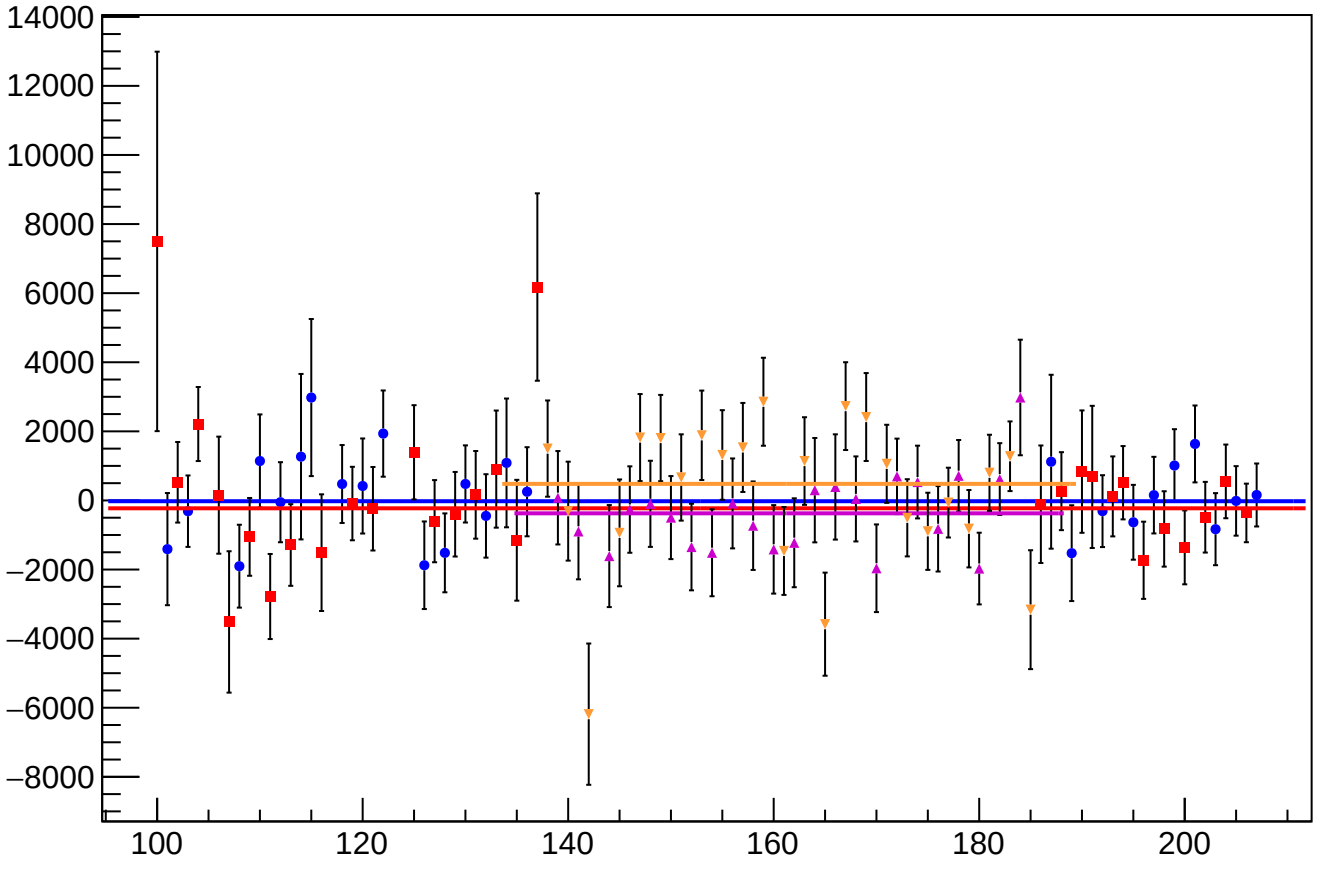
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3002.876+/-0.399 χ^2/NDF: 5319470.1/55

In: 3422.218+/-0.436 χ^2/NDF:4637174.3/48

Out: 3363.354+/-0.422 χ^2/NDF:5318955.6/53

All: 3391.824+/-0.303 χ^2/NDF: 9965539.5/10



Right In: -22.171+/-239.155 χ^2/NDF: 19.0/25

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

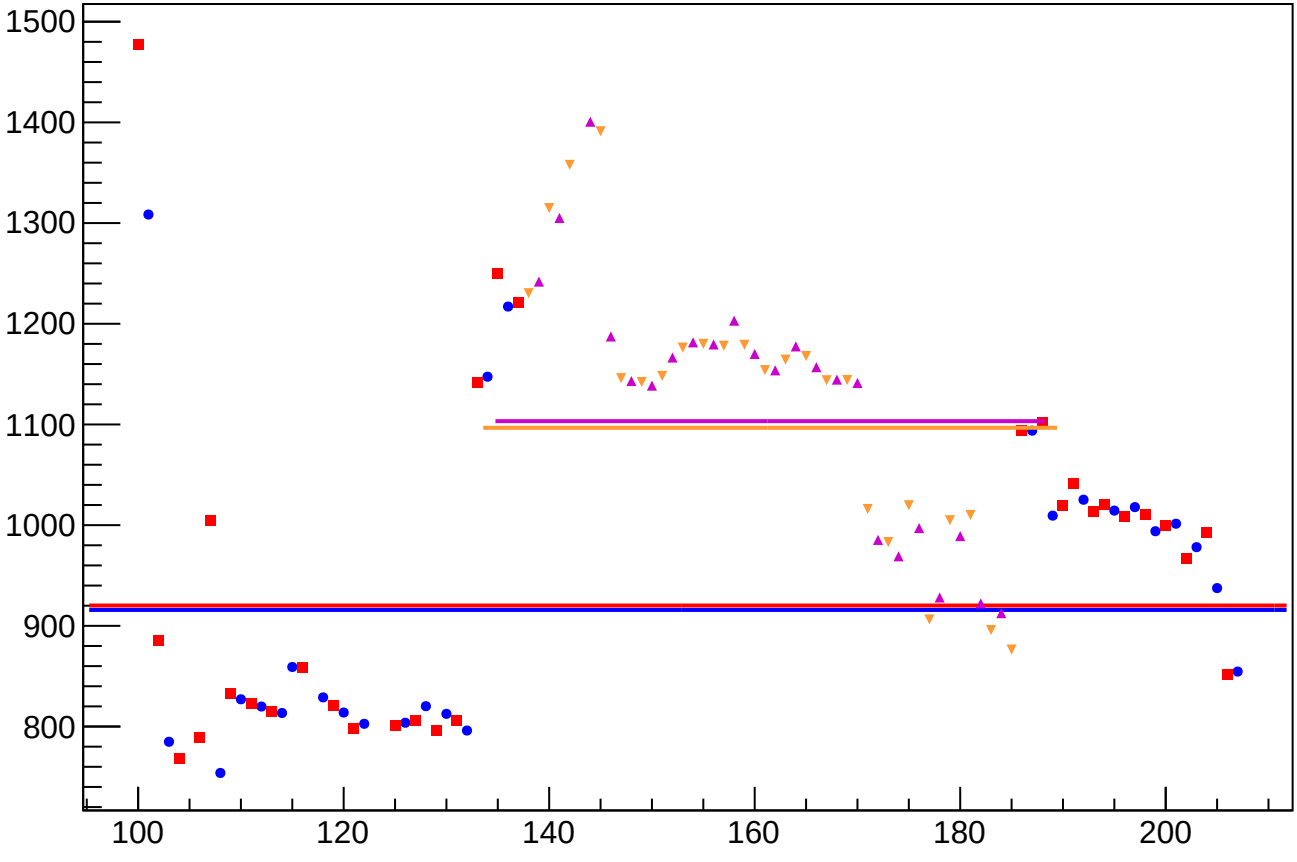
Right: -128.338+/-166.202 χ^2/NDF: 48.9/55

In: -183.375+/-175.804 χ^2/NDF:36.0/48

Out: 89.597+/-171.658 χ^2/NDF:78.9/53

All: -43.632+/-122.820 χ^2/NDF: 116.2/102

eigen_cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 915.789+/-0.169 χ^2/NDF: 573357.3/25

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

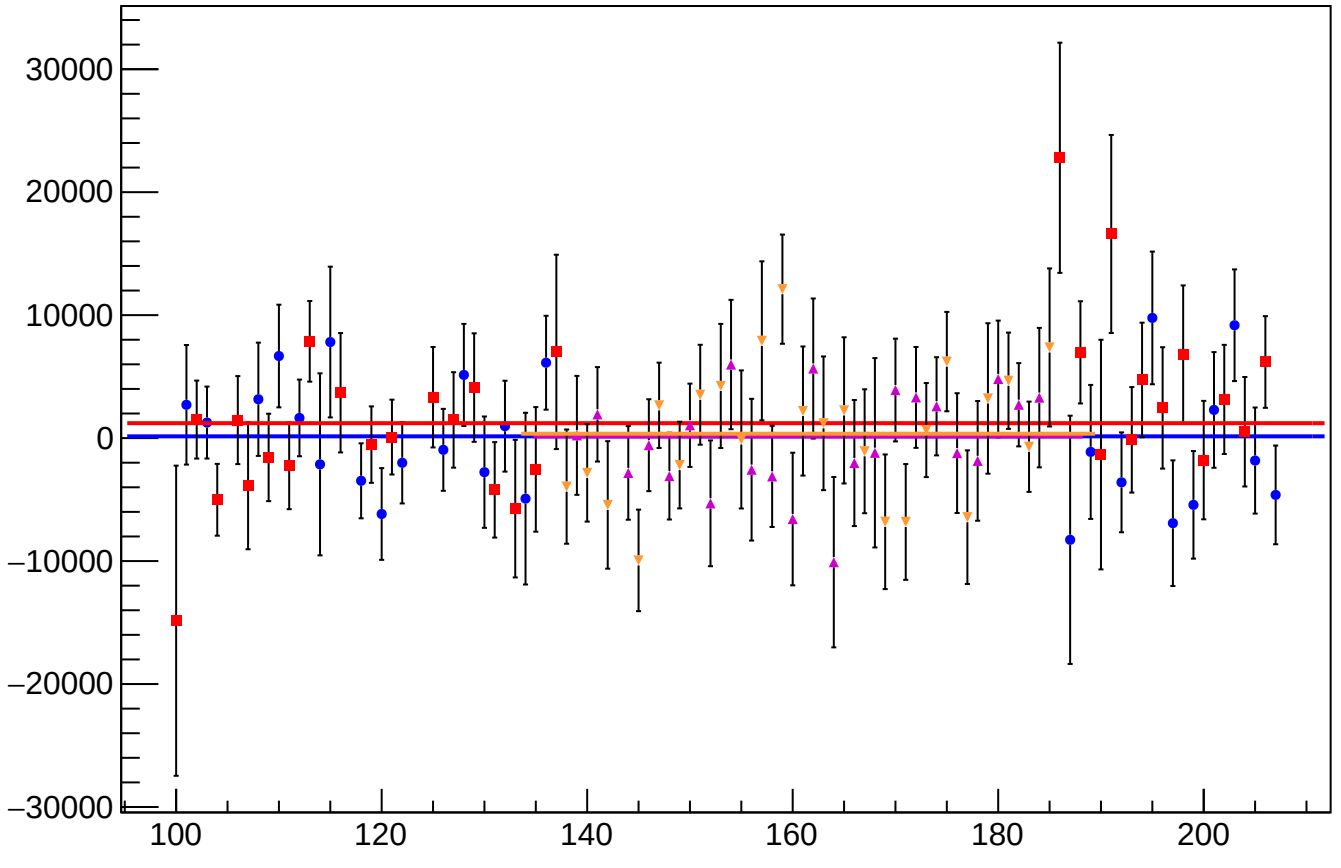
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 918.067+/-0.117 χ^2/NDF: 1117009.8/55

In: 1001.965+/-0.124 χ^2/NDF:1585881.9/48

Out: 999.116+/-0.121 χ^2/NDF:1548212.8/53

All: 1000.504+/-0.087 χ^2/NDF: 3134363.9/10



Right In: 143.529+/-821.978 χ^2/NDF: 29.0/25

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

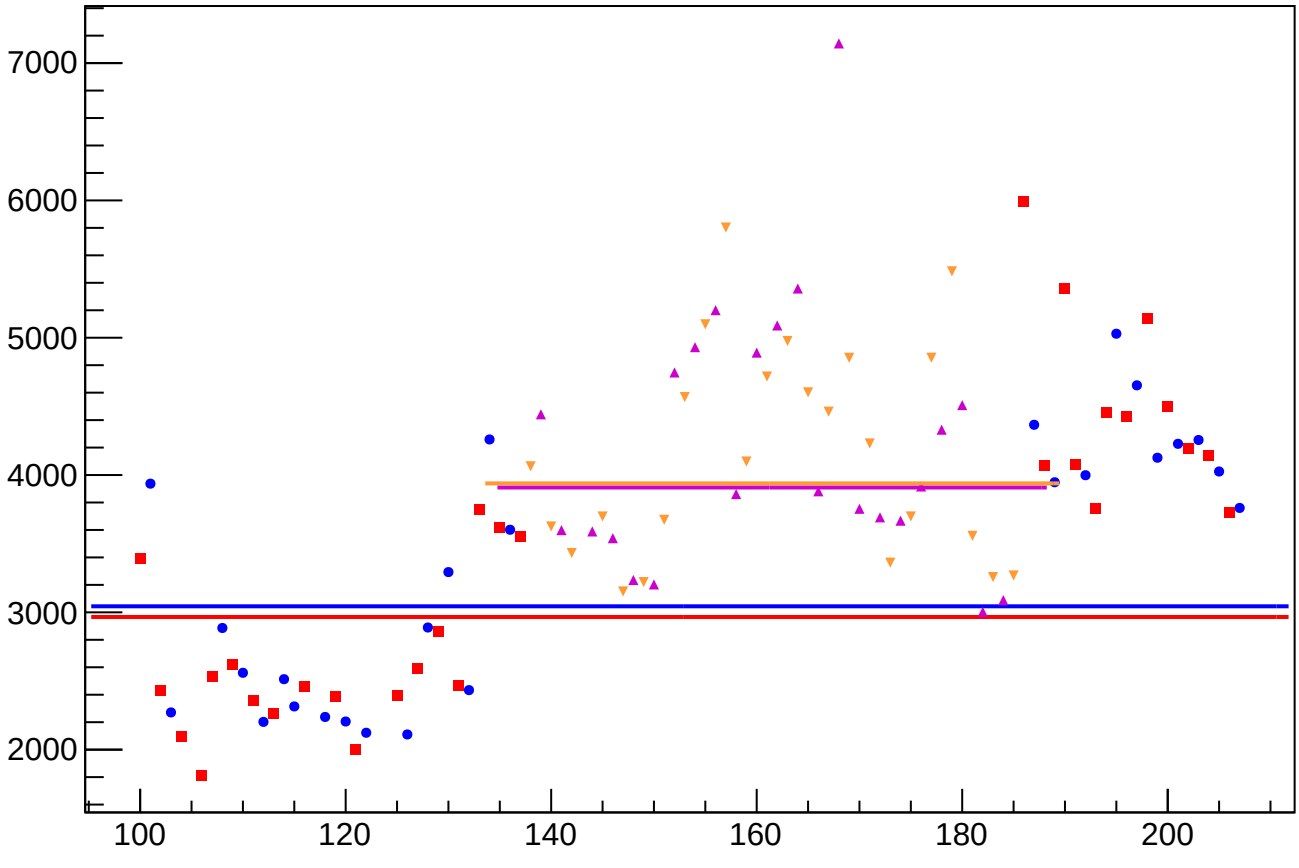
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 710.009+/-564.178 χ^2/NDF: 63.8/55

In: 136.143+/-616.659 χ^2/NDF:42.7/48

Out: 864.880+/-596.822 χ^2/NDF:64.7/53

All: 512.421+/-428.859 χ^2/NDF: 108.2/102



Right In: 3044.005+/-0.581 χ^2/NDF: 2367837.4/25

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

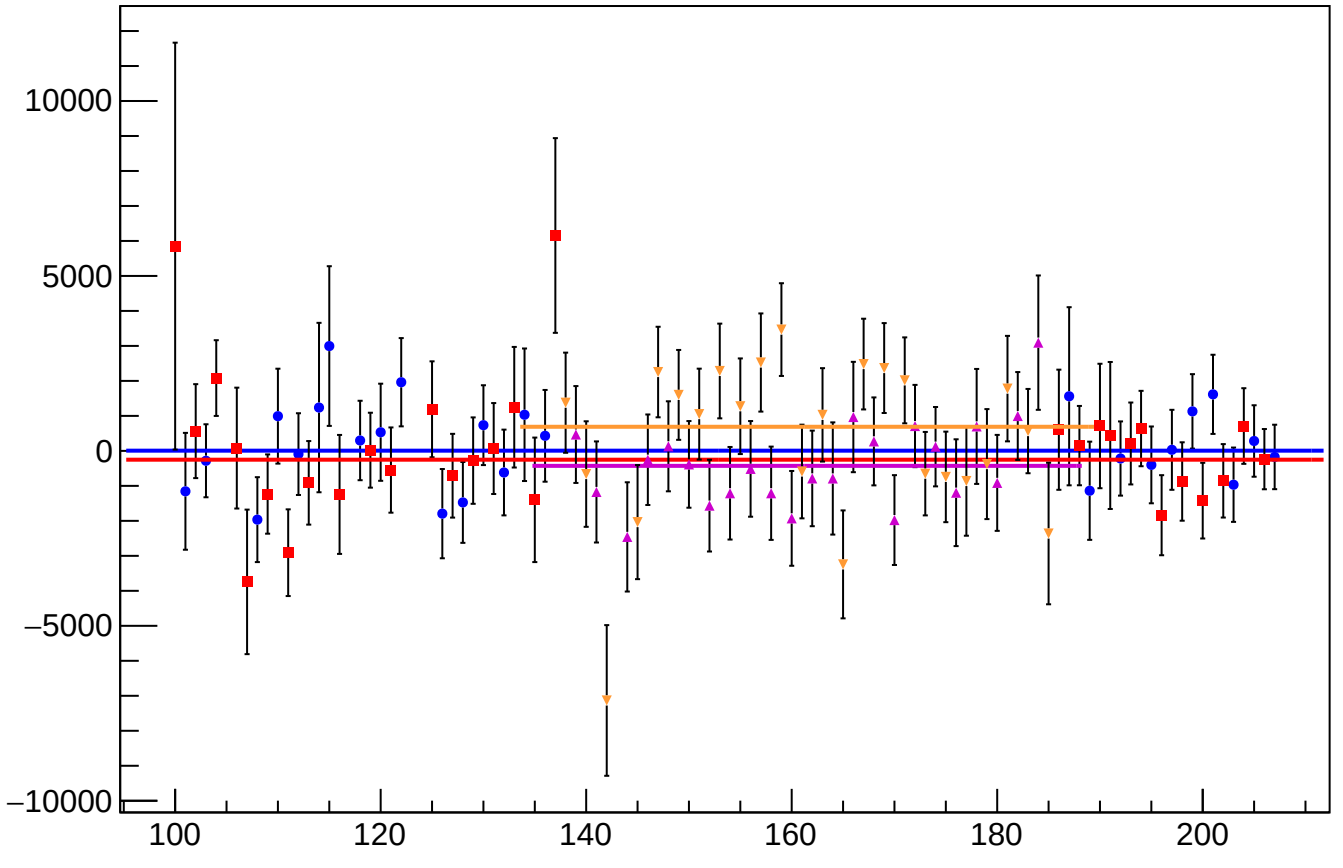
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 3002.876+/-0.399 χ^2/NDF: 5319470.1/55

In: 3422.218+/-0.436 χ^2/NDF:4637174.3/48

Out: 3363.354+/-0.422 χ^2/NDF:5318955.6/53

All: 3391.824+/-0.303 χ^2/NDF: 9965539.5/10



Right In: 6.053+/-242.441 χ^2/NDF: 18.3/25

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

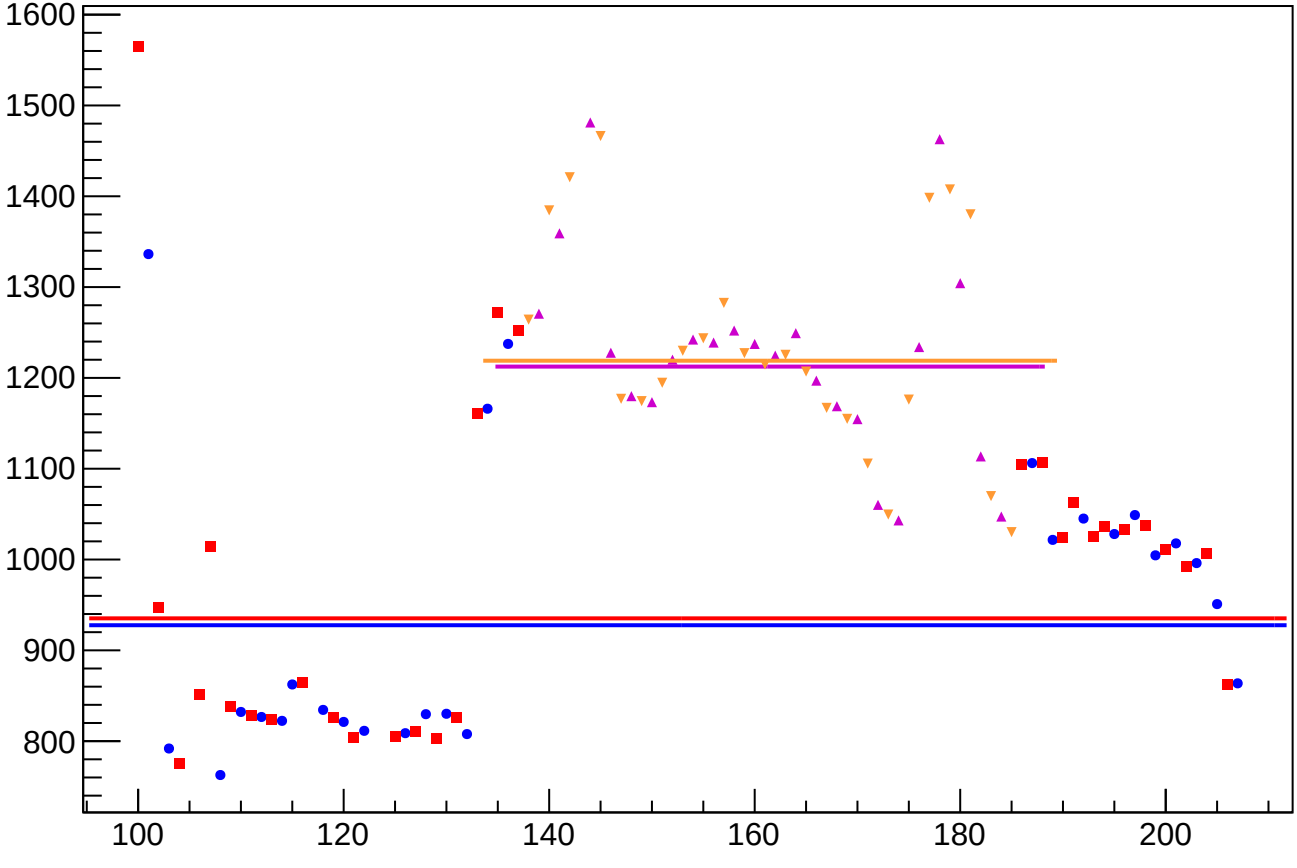
Right: -126.865+/-168.829 χ^2/NDF: 48.0/55

In: -176.658+/-184.496 χ^2/NDF:34.3/48

Out: 130.322+/-181.265 χ^2/NDF:81.3/53

All: -20.456+/-129.301 χ^2/NDF: 117.0/102

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 927.653+/-0.171 χ^2/NDF: 596744.5/25

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

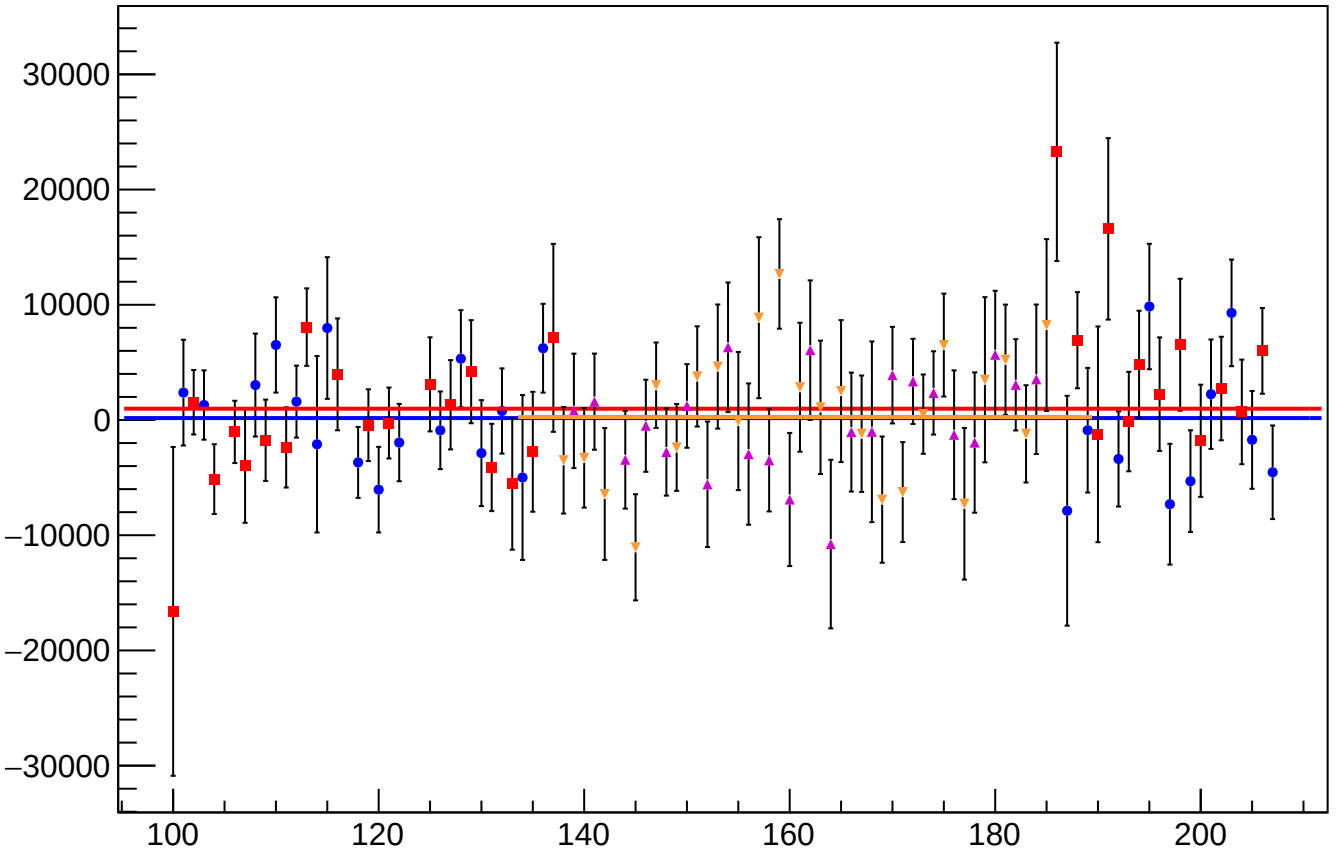
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 931.554+/-0.119 χ^2/NDF: 1152472.5/55

In: 1047.520+/-0.130 χ^2/NDF:2018633.6/48

Out: 1050.412+/-0.128 χ^2/NDF:2030867.4/53

All: 1048.992+/-0.091 χ^2/NDF: 4049751.1/10



Right In: 165.954+/-826.922 χ^2/NDF: 28.6/25

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

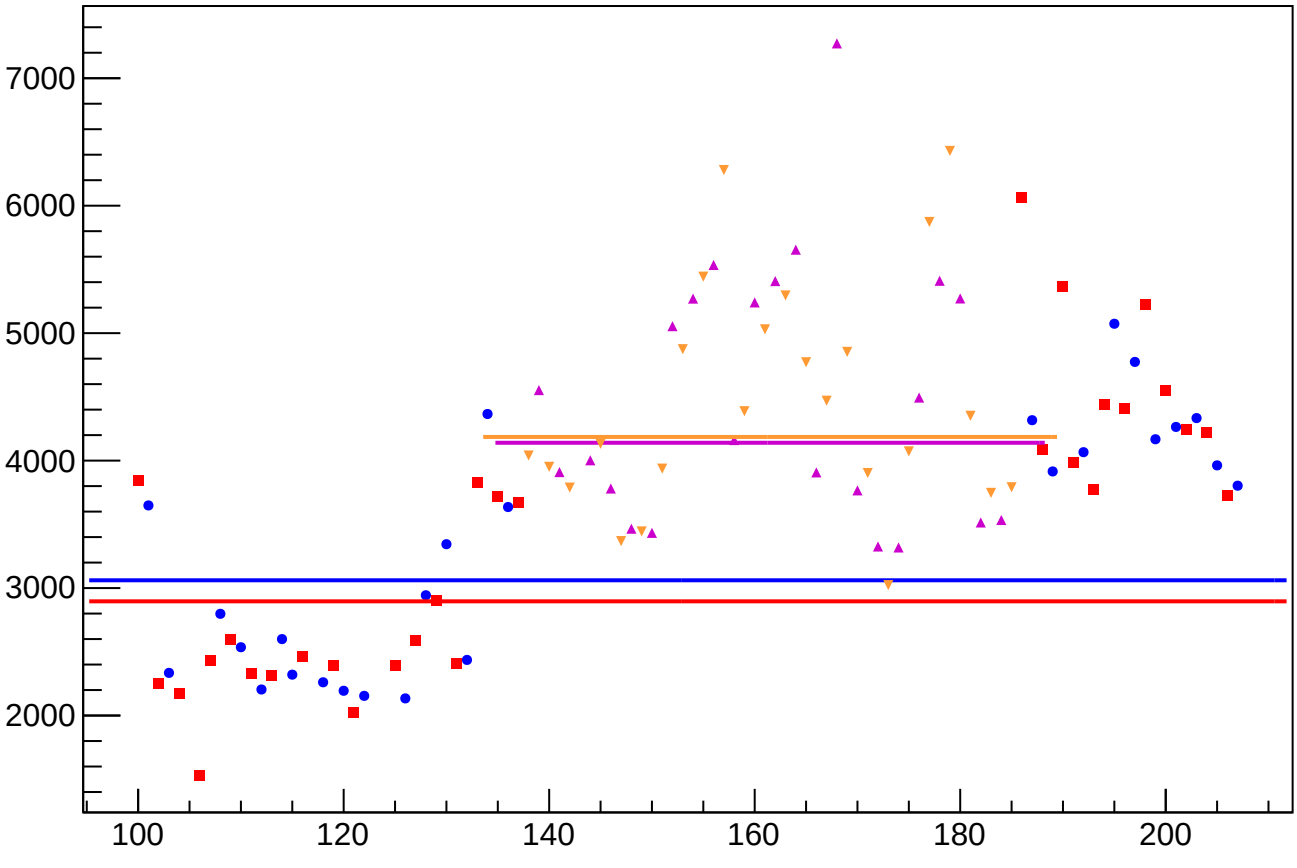
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 607.752+/-559.567 χ^2/NDF: 63.7/55

In: 207.161+/-634.675 χ^2/NDF:42.1/48

Out: 712.702+/-604.005 χ^2/NDF:64.5/53

All: 472.441+/-437.537 χ^2/NDF: 107.0/102



Right In: 3061.099+/-0.585 χ^2/NDF: 2342932.2/25

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

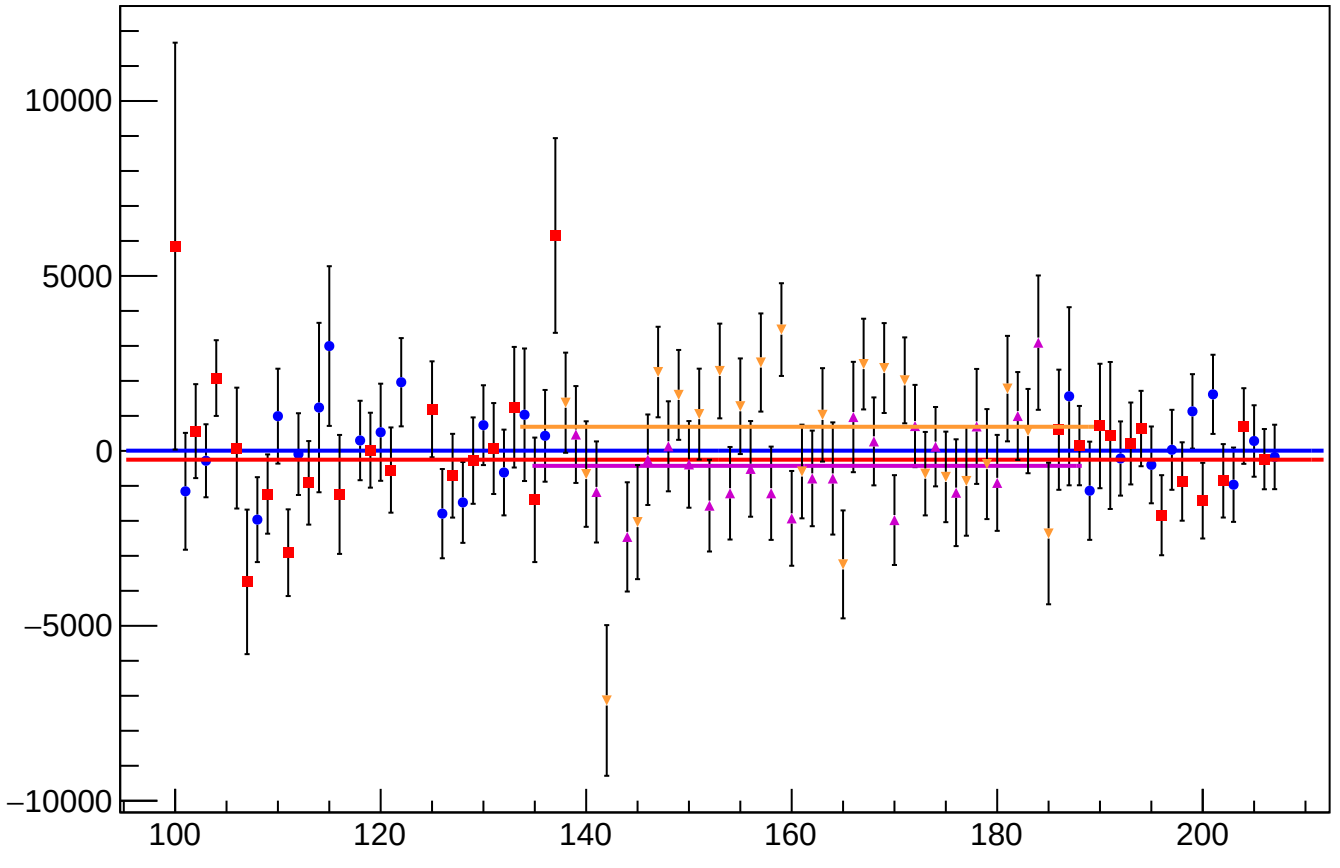
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2971.598+/-0.396 χ^2/NDF: 5767502.7/55

In: 3504.464+/-0.449 χ^2/NDF:5192007.4/48

Out: 3371.090+/-0.427 χ^2/NDF:6774155.9/53

All: 3434.476+/-0.309 χ^2/NDF: 12012510.0/1



Right In: 6.052+/-242.442 χ^2/NDF: 18.3/25

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

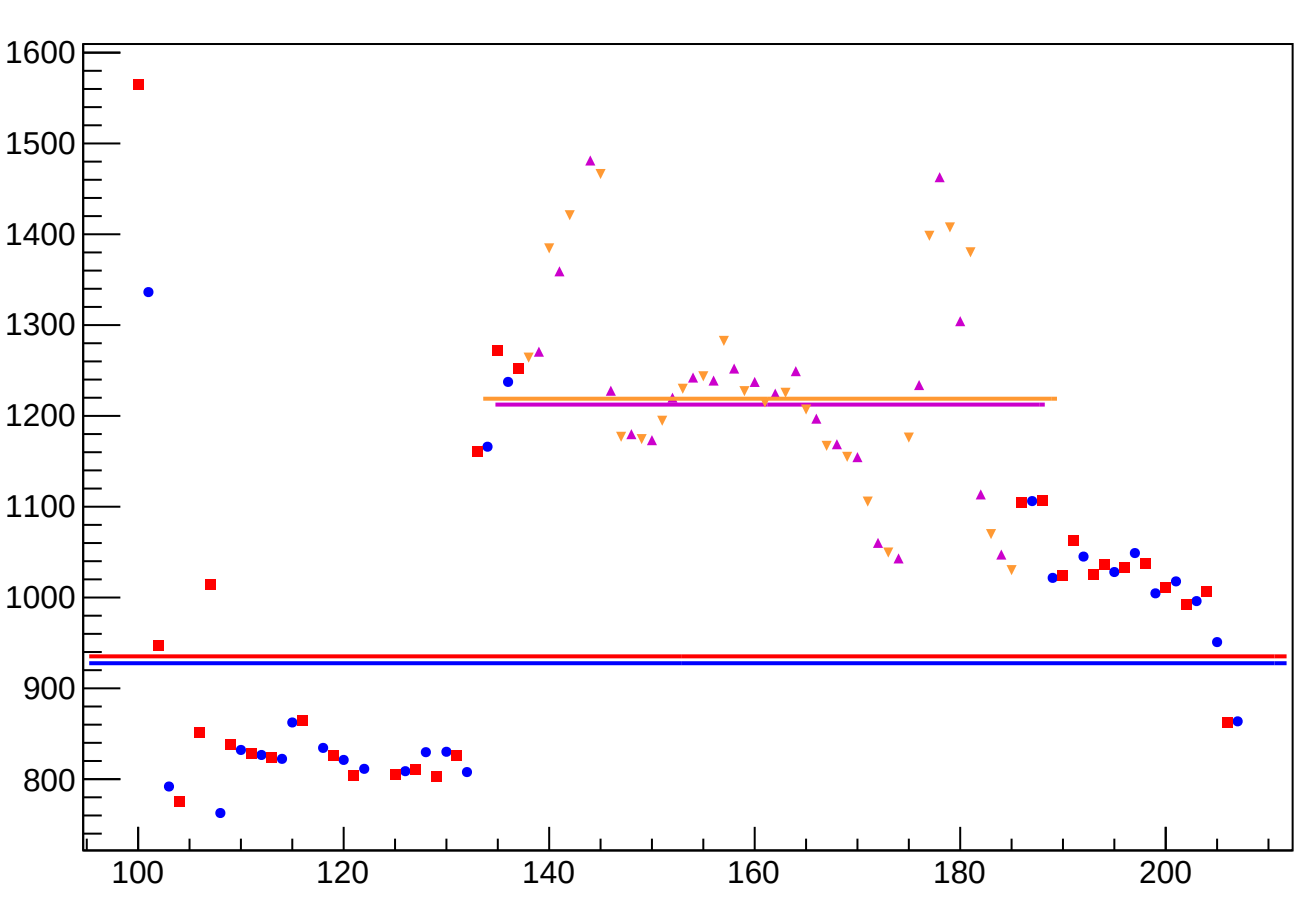
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -126.866+/-168.829 χ^2/NDF: 48.0/55

In: -176.657+/-184.496 χ^2/NDF:34.3/48

Out: 130.322+/-181.265 χ^2/NDF:81.3/53

All: -20.455+/-129.301 χ^2/NDF: 117.0/102



Right In: 927.654+/-0.171 χ^2/NDF: 596744.3/25

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

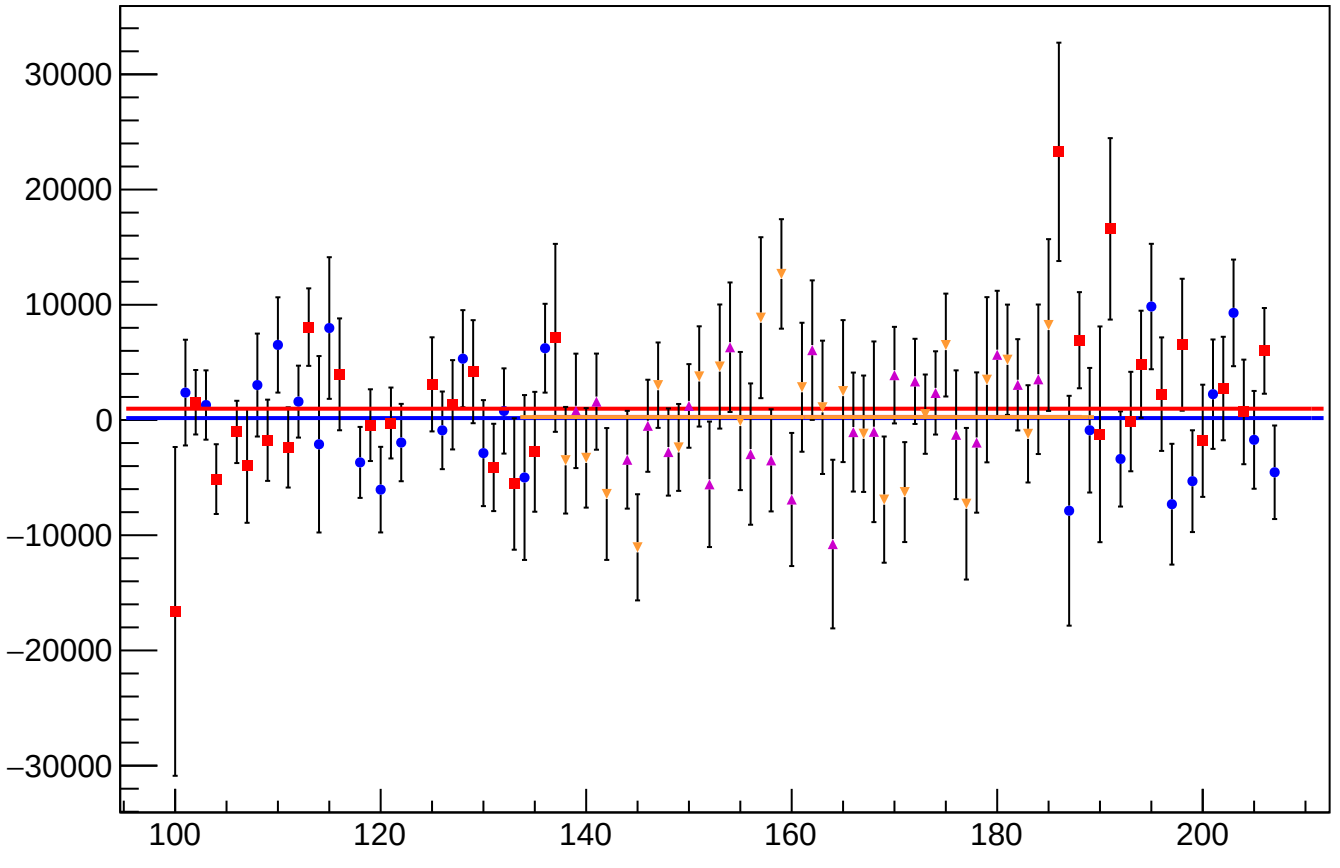
Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

Right: 931.555+/-0.119 χ^2/NDF: 1152473.0/55

In: 1047.521+/-0.130 χ^2/NDF:2018649.6/48

Out: 1050.412+/-0.128 χ^2/NDF:2030885.6/53

All: 1048.992+/-0.091 χ^2/NDF: 4049785.2/10



Right In: 165.951+/-826.921 χ^2/NDF: 28.6/25

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

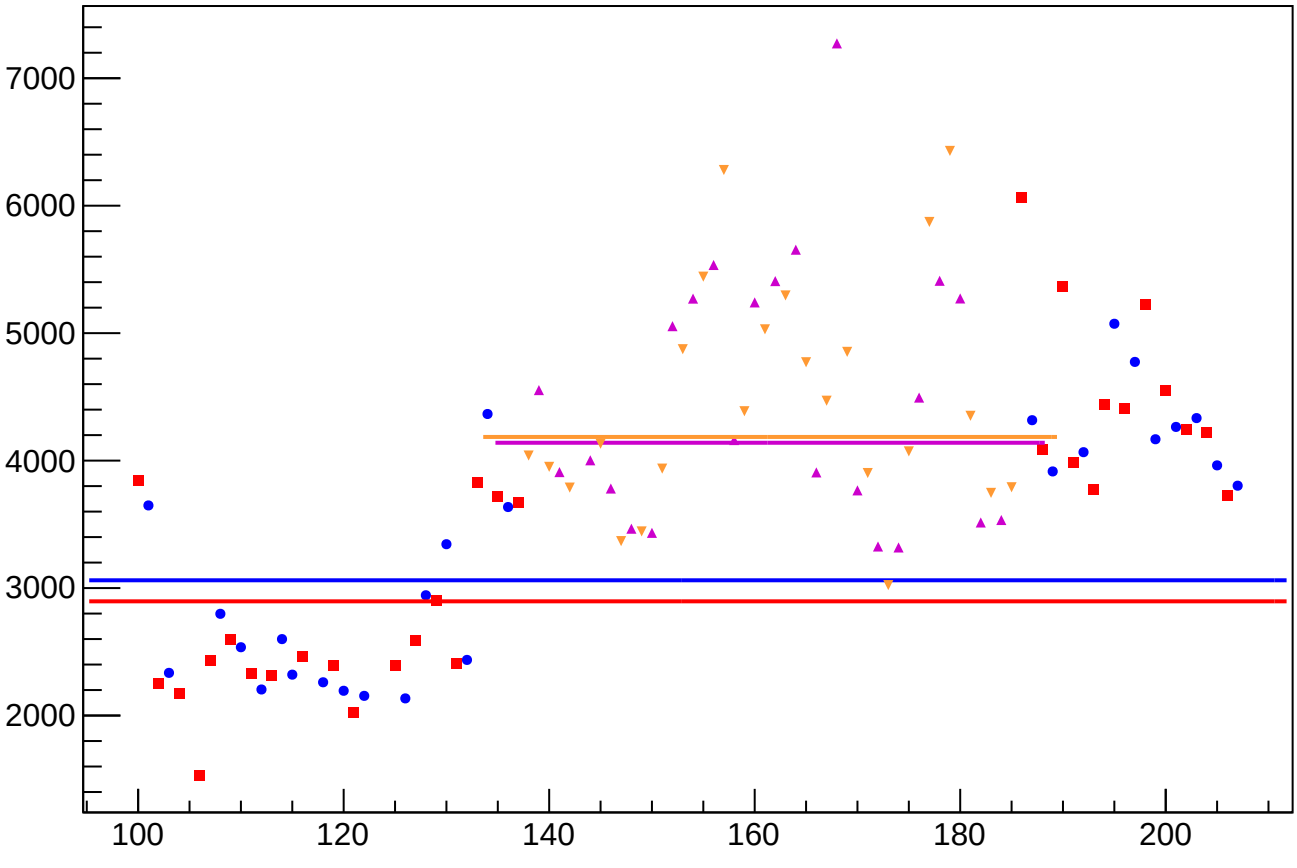
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 607.748+/-559.567 χ^2/NDF: 63.7/55

In: 207.160+/-634.675 χ^2/NDF:42.1/48

Out: 712.700+/-604.004 χ^2/NDF:64.5/53

All: 472.440+/-437.537 χ^2/NDF: 107.0/102



Right In: 3061.092+/-0.585 χ^2/NDF: 2342972.7/25

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

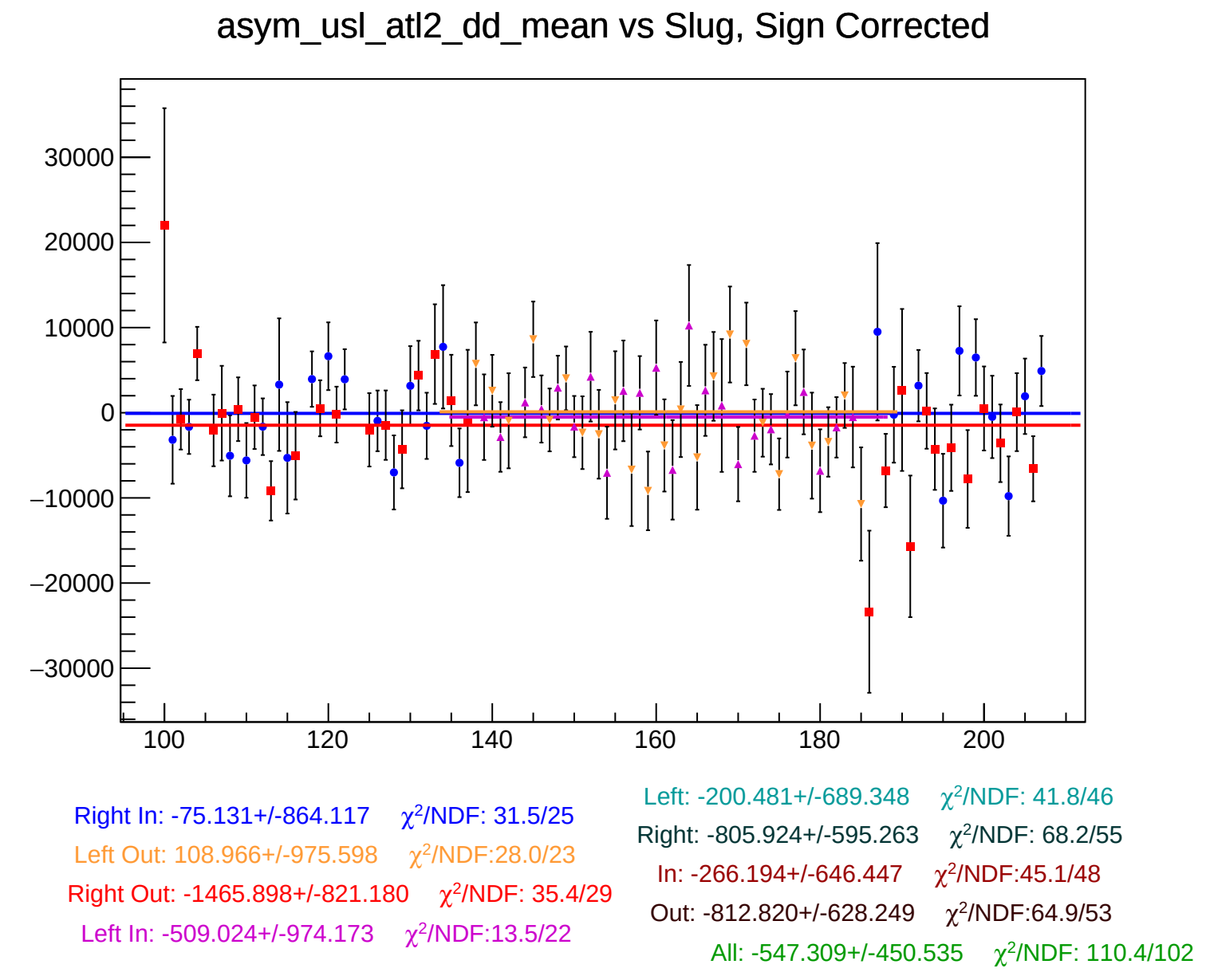
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2971.591+/-0.396 χ^2/NDF: 5767580.0/55

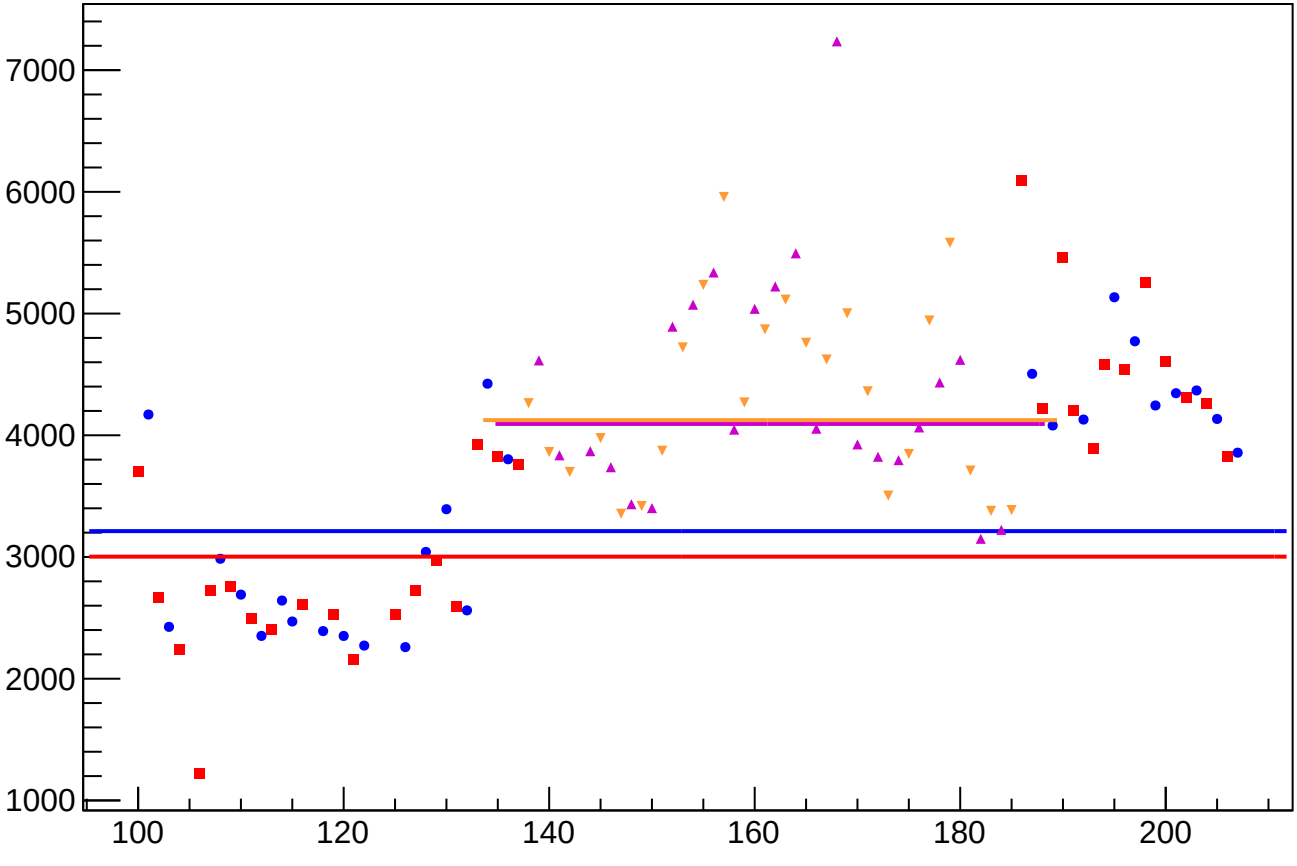
In: 3504.461+/-0.449 χ^2/NDF:5192083.5/48

Out: 3371.087+/-0.427 χ^2/NDF:6774235.1/53

All: 3434.474+/-0.309 χ^2/NDF: 12012665.5/1


asym_usl_atl2_dd_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -75.131+/-864.117 χ²/NDF: 31.5/25
Left Out: 108.966+/-975.598 χ²/NDF:28.0/23
Right Out: -1465.898+/-821.180 χ²/NDF: 35.4/29
Left In: -509.024+/-974.173 χ²/NDF:13.5/22
Left: -200.481+/-689.348 χ²/NDF: 41.8/46
Right: -805.924+/-595.263 χ²/NDF: 68.2/55
In: -266.194+/-646.447 χ²/NDF:45.1/48
Out: -812.820+/-628.249 χ²/NDF:64.9/53
All: -547.309+/-450.535 χ²/NDF: 110.4/102

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3212.528+/-0.611 χ^2/NDF: 2128730.2/25

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

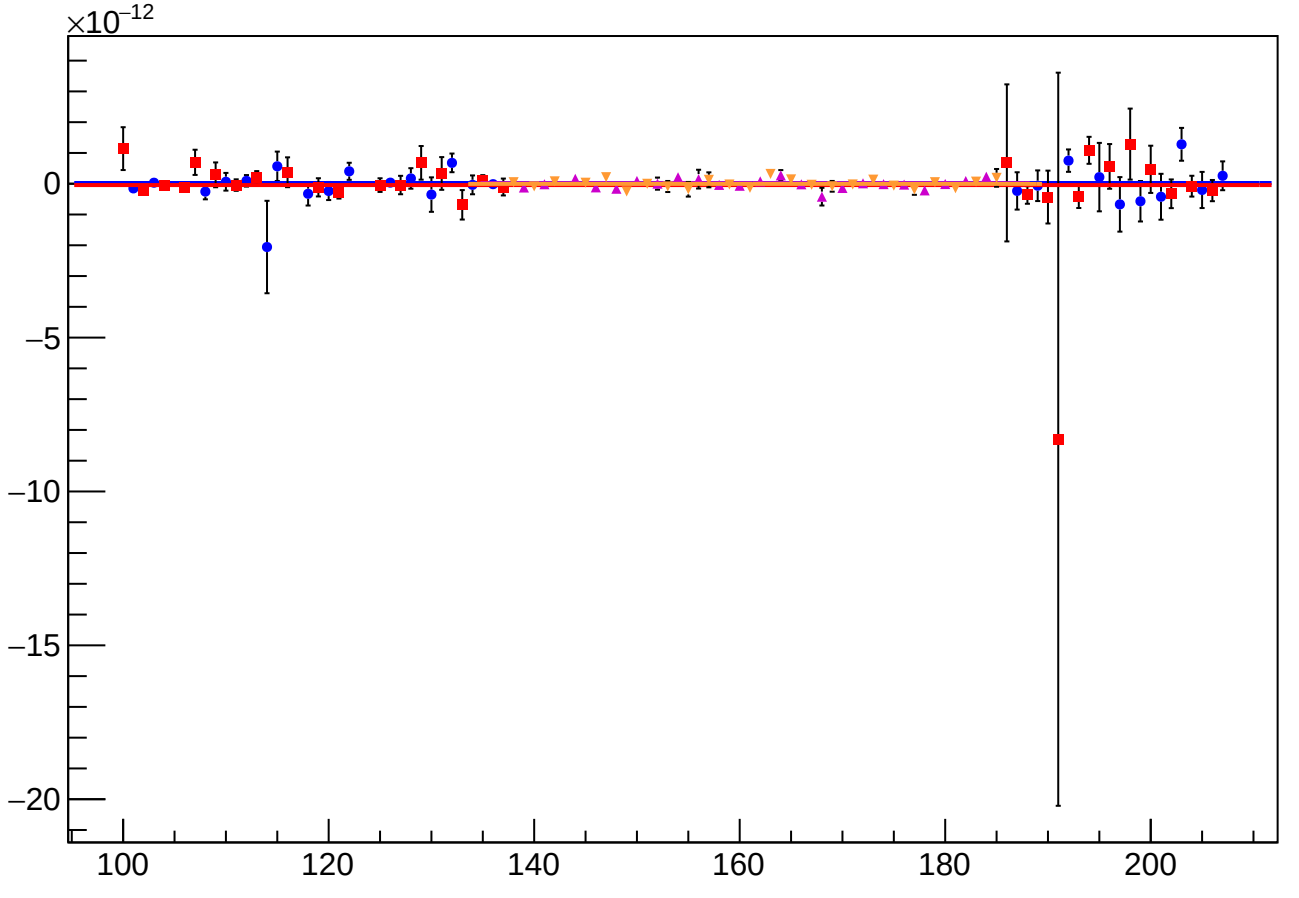
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3098.982+/-0.414 χ^2/NDF: 5746243.4/55

In: 3600.269+/-0.457 χ^2/NDF:4206063.5/48

Out: 3450.298+/-0.436 χ^2/NDF:6112551.3/53

All: 3521.687+/-0.315 χ^2/NDF: 10375016.3/1



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/25

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

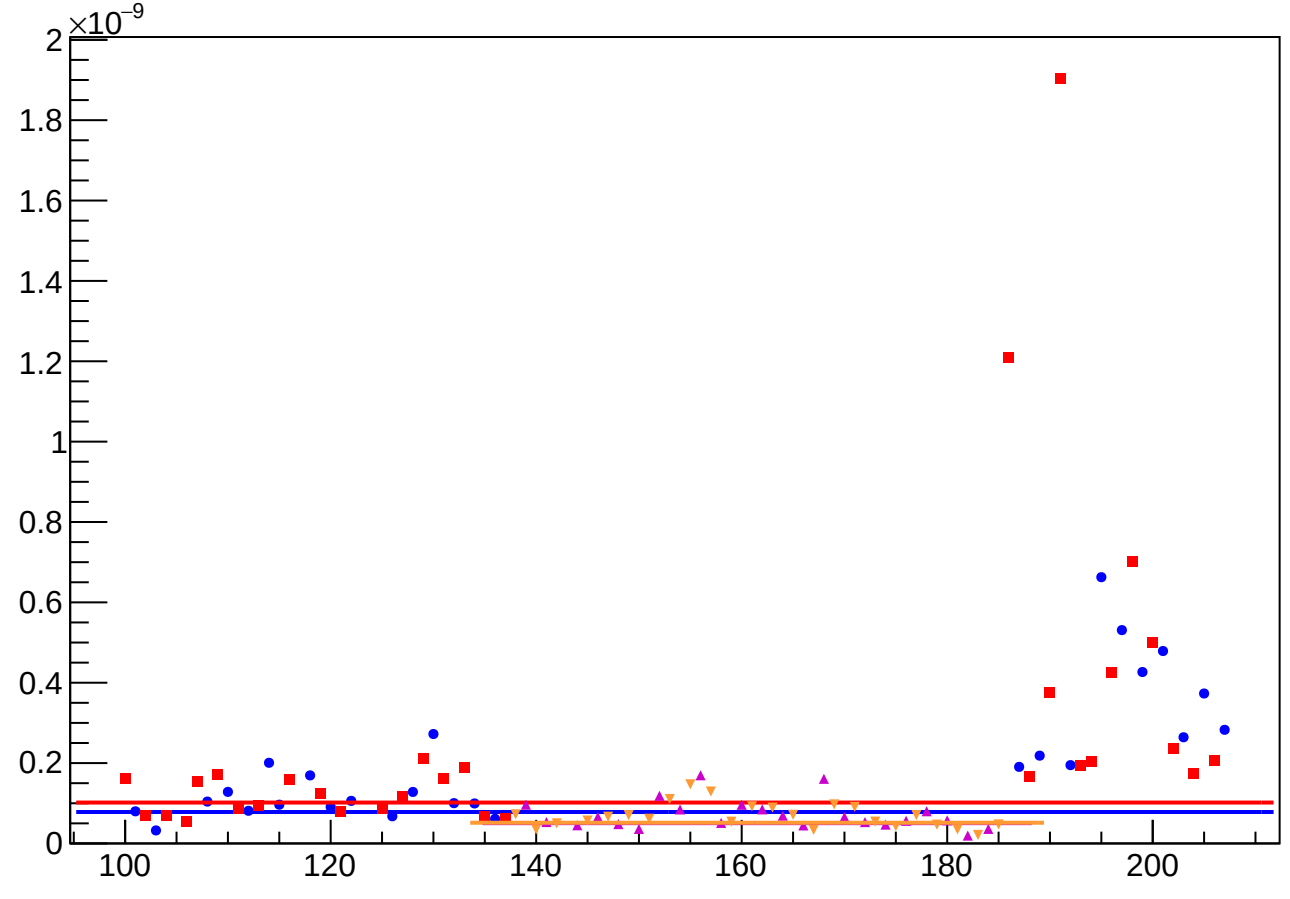
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 58.1/55

In: 0.000+/-0.000 χ^2/NDF:53.1/48

Out: -0.000+/-0.000 χ^2/NDF:54.3/53

All: 0.000+/-0.000 χ^2/NDF: 108.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 5174520.0/25

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

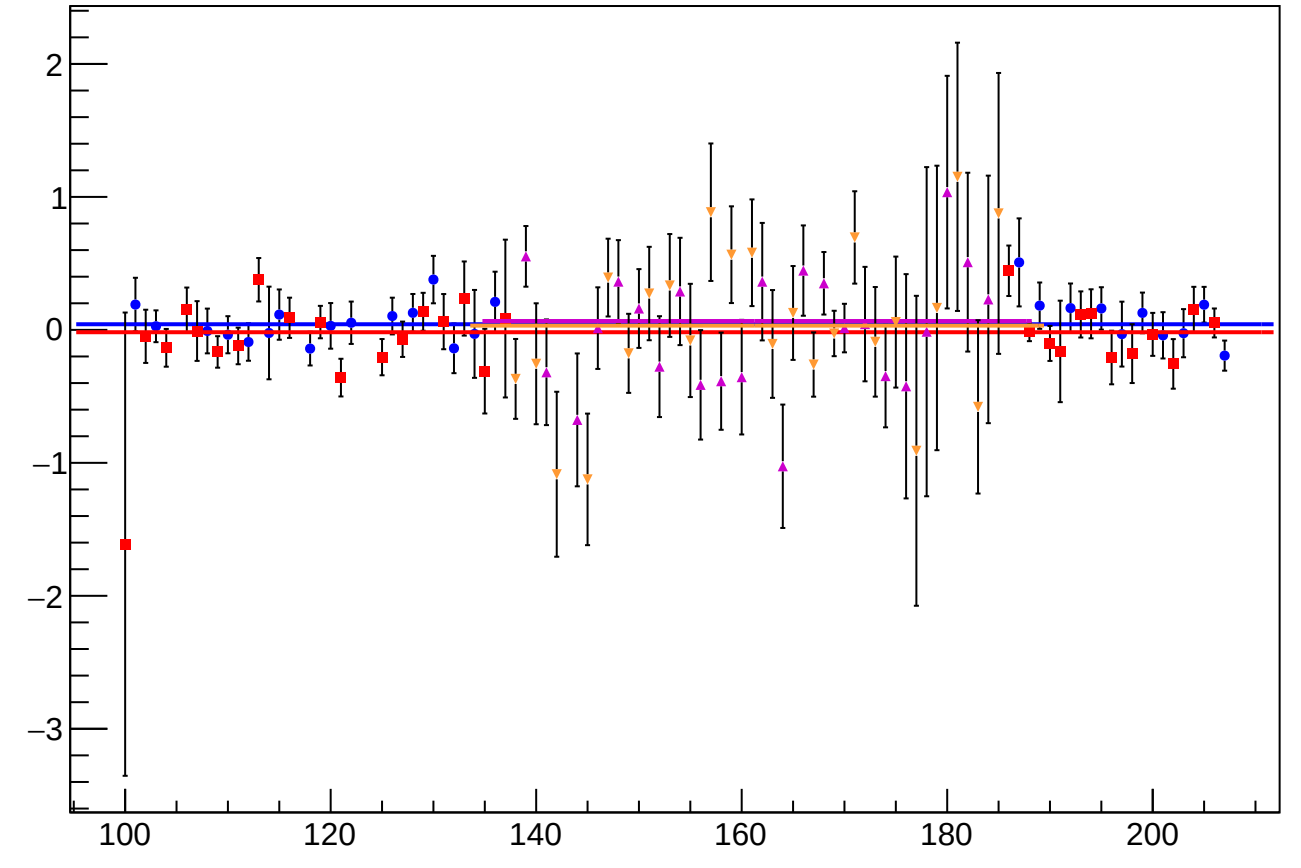
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 9234084.3/55

In: 0.000+/-0.000 χ^2/NDF:8272688.8/48

Out: 0.000+/-0.000 χ^2/NDF:7767670.7/53

All: 0.000+/-0.000 χ^2/NDF: 16073310.4/102



Right In: 0.042+/-0.032 χ^2/NDF: 19.7/25

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

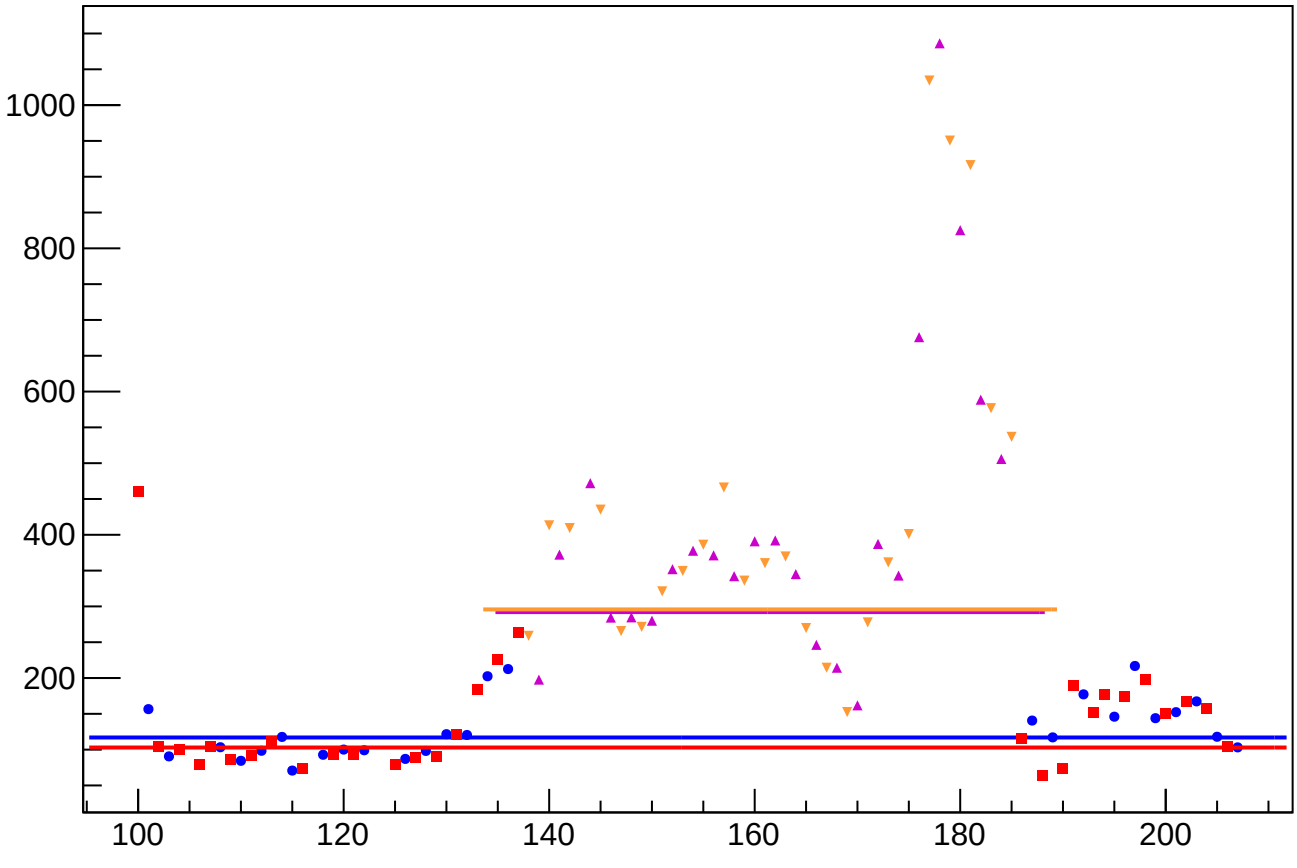
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.008+/-0.021 χ^2/NDF: 56.1/55

In: 0.046+/-0.030 χ^2/NDF:45.5/48

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.014+/-0.020 χ^2/NDF: 112.1/102



Right In: 116.961+/-0.023 χ^2/NDF: 2139694.2/25

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

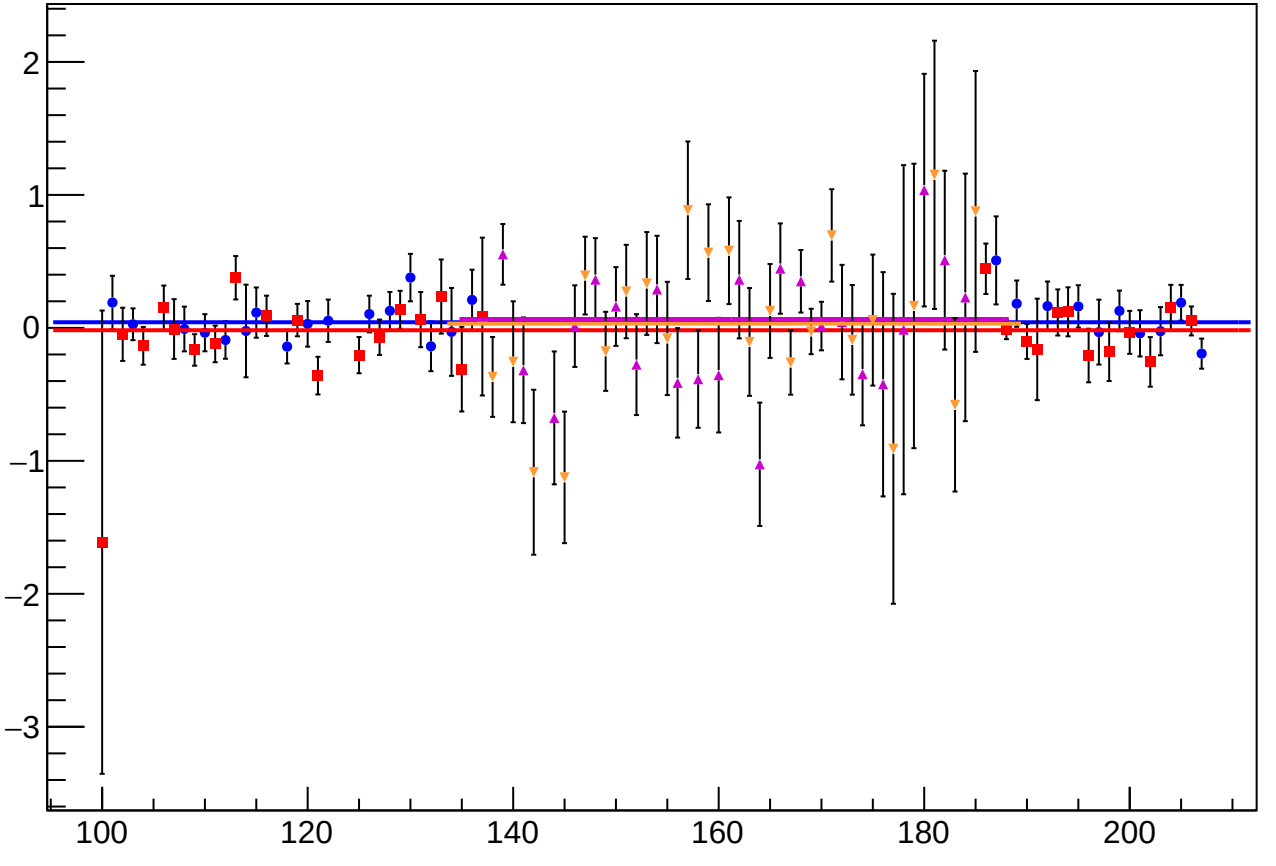
Right: 109.036+/-0.015 χ^2/NDF: 5923924.5/55

In: 144.468+/-0.021 χ^2/NDF:16457626.7/48

Out: 126.360+/-0.019 χ^2/NDF:20384374.0/53

All: 134.405+/-0.014 χ^2/NDF: 37257616.5/10

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.032 χ^2/NDF: 19.7/25

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

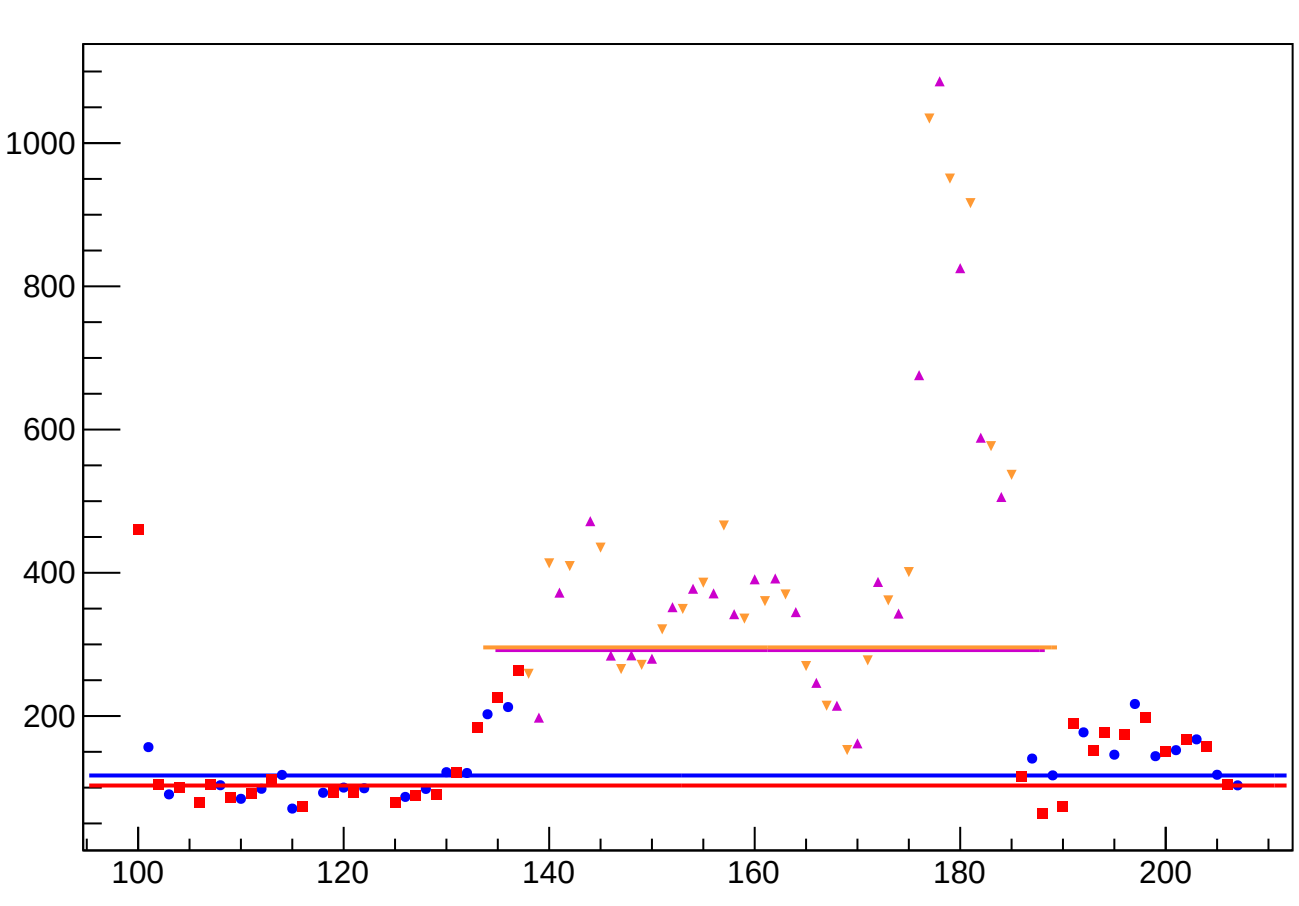
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.008+/-0.021 χ^2/NDF: 56.1/55

In: 0.046+/-0.030 χ^2/NDF:45.5/48

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.014+/-0.020 χ^2/NDF: 112.1/102



Right In: 116.961+/-0.023 χ^2/NDF: 2139694.2/25

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

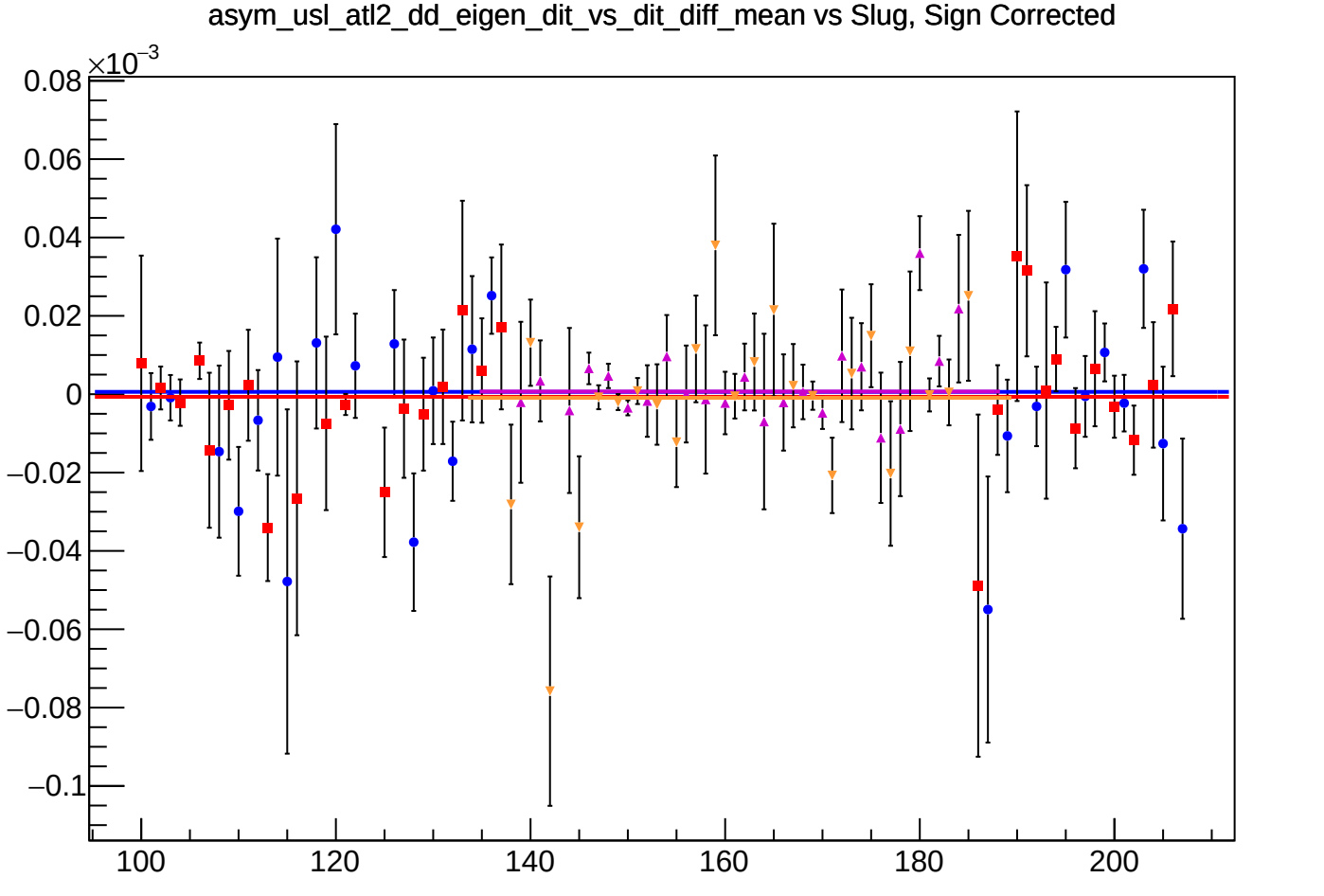
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

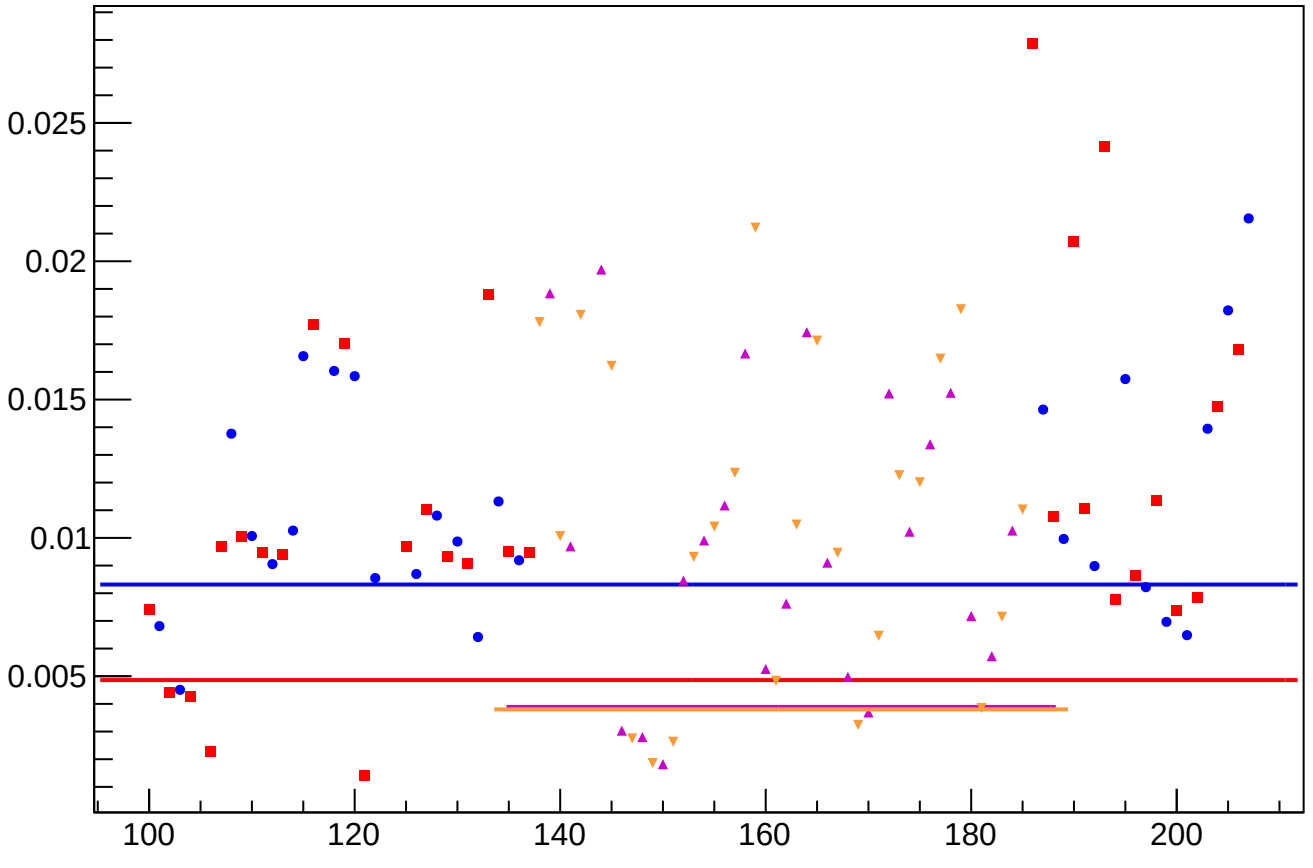
Right: 109.036+/-0.015 χ^2/NDF: 5923924.5/55

In: 144.468+/-0.021 χ^2/NDF:16457626.7/48

Out: 126.360+/-0.019 χ^2/NDF:20384374.0/53

All: 134.405+/-0.014 χ^2/NDF: 37257616.5/10


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 39.9/25
Left Out: -0.000+/-0.000 χ²/NDF:29.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.9/29
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: -0.000+/-0.000 χ²/NDF: 59.8/46
Right: -0.000+/-0.000 χ²/NDF: 66.0/55
In: 0.000+/-0.000 χ²/NDF:69.7/48
Out: -0.000+/-0.000 χ²/NDF:55.0/53
All: -0.000+/-0.000 χ²/NDF: 125.8/102



Right In: 0.008+/-0.000 χ^2/NDF: 3889074.1/25

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

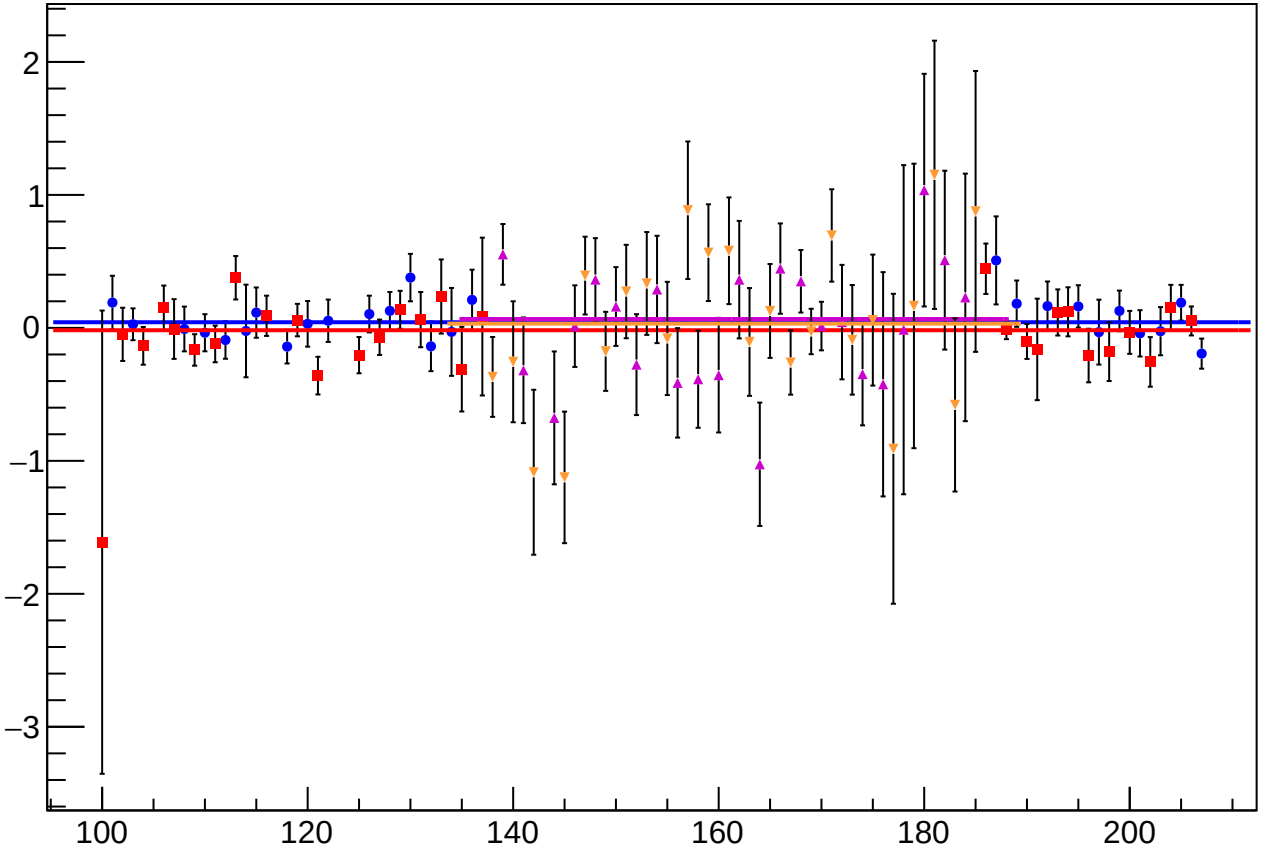
Right: 0.006+/-0.000 χ^2/NDF: 19740916.8/55

In: 0.005+/-0.000 χ^2/NDF:22886959.8/48

Out: 0.004+/-0.000 χ^2/NDF:28150040.8/53

All: 0.004+/-0.000 χ^2/NDF: 51454566.5/102

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.032 χ^2/NDF: 19.7/25

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

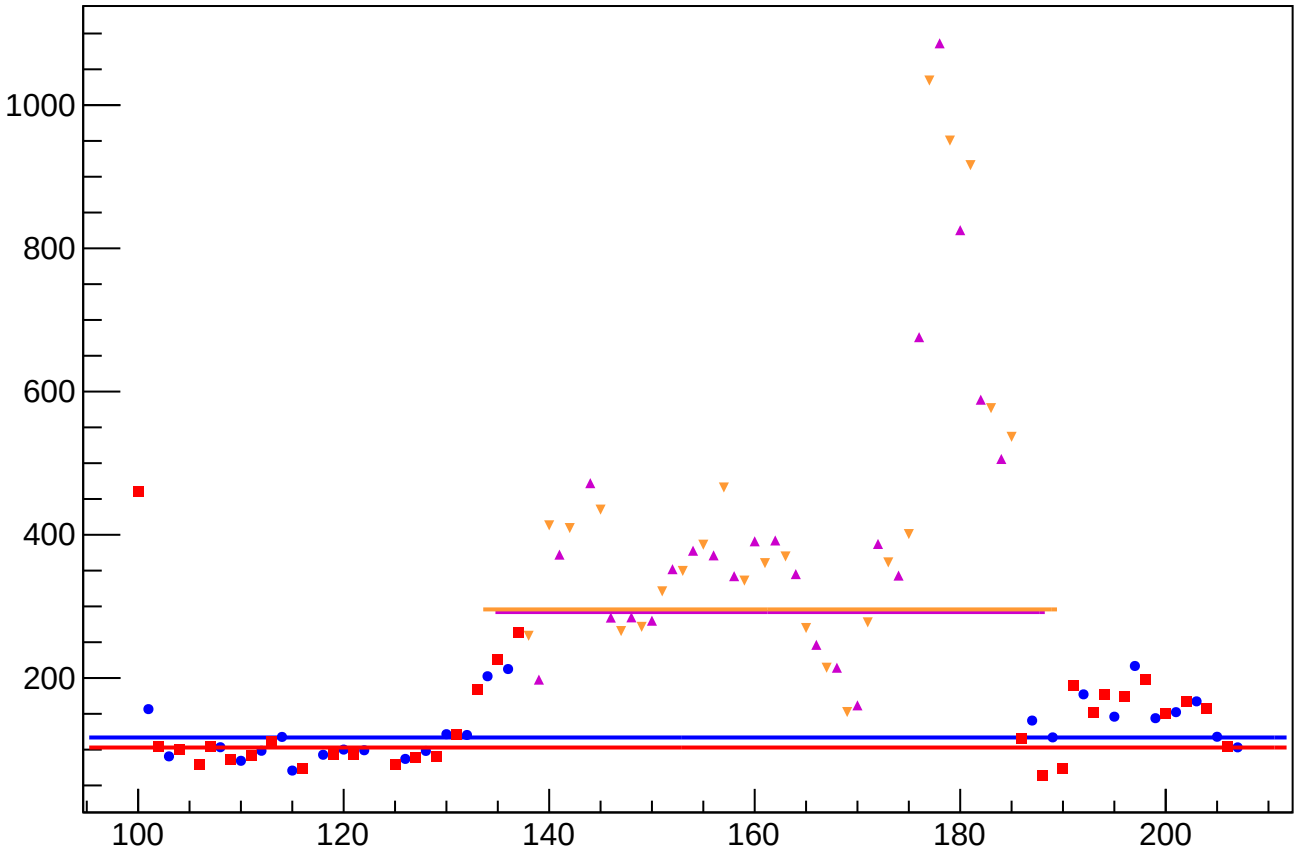
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.008+/-0.021 χ^2/NDF: 56.1/55

In: 0.046+/-0.030 χ^2/NDF:45.5/48

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.014+/-0.020 χ^2/NDF: 112.1/102



Right In: 116.962+/-0.023 χ^2/NDF: 2139655.2/25

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

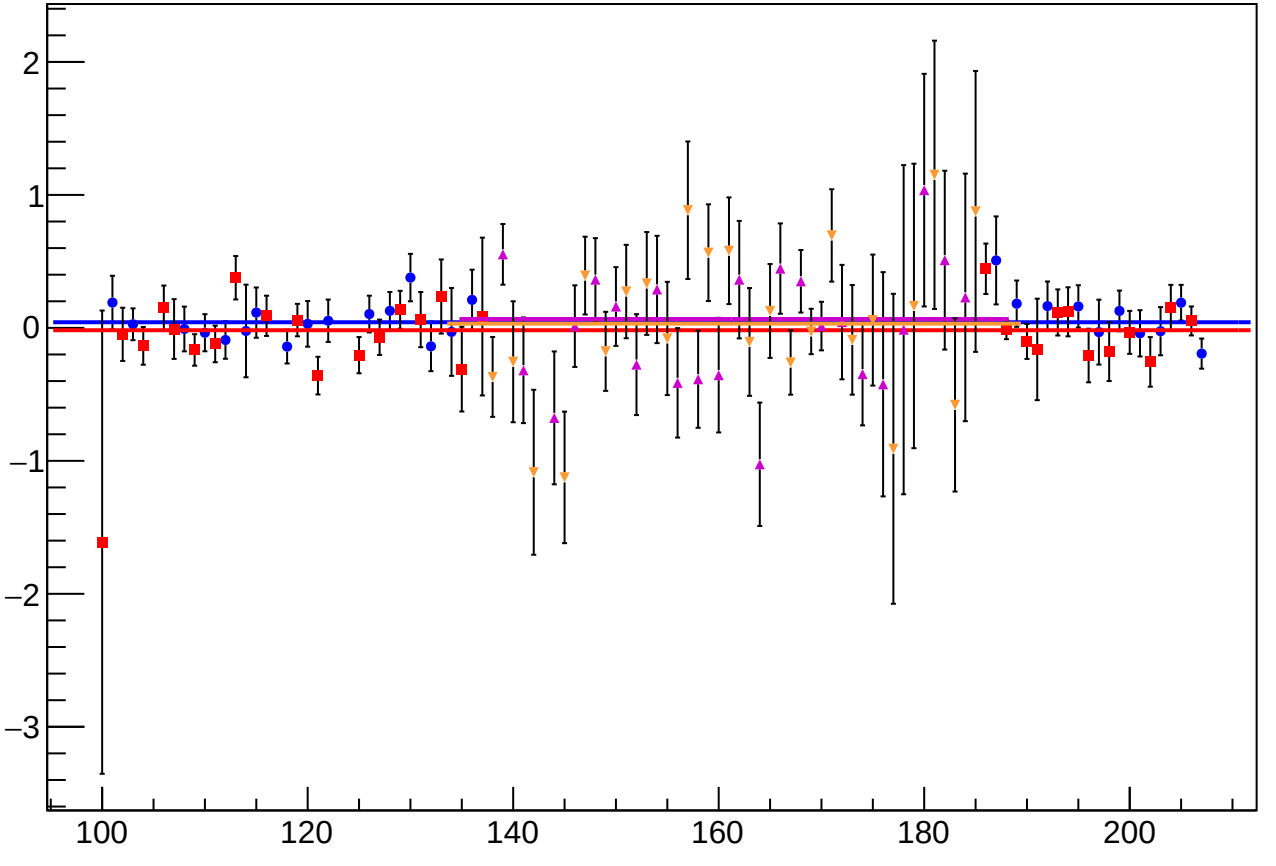
Right: 109.035+/-0.015 χ^2/NDF: 5924118.3/55

In: 144.468+/-0.021 χ^2/NDF:16457678.7/48

Out: 126.358+/-0.019 χ^2/NDF:20384857.0/53

All: 134.404+/-0.014 χ^2/NDF: 37258240.8/10

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.032 χ^2/NDF: 19.7/25

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

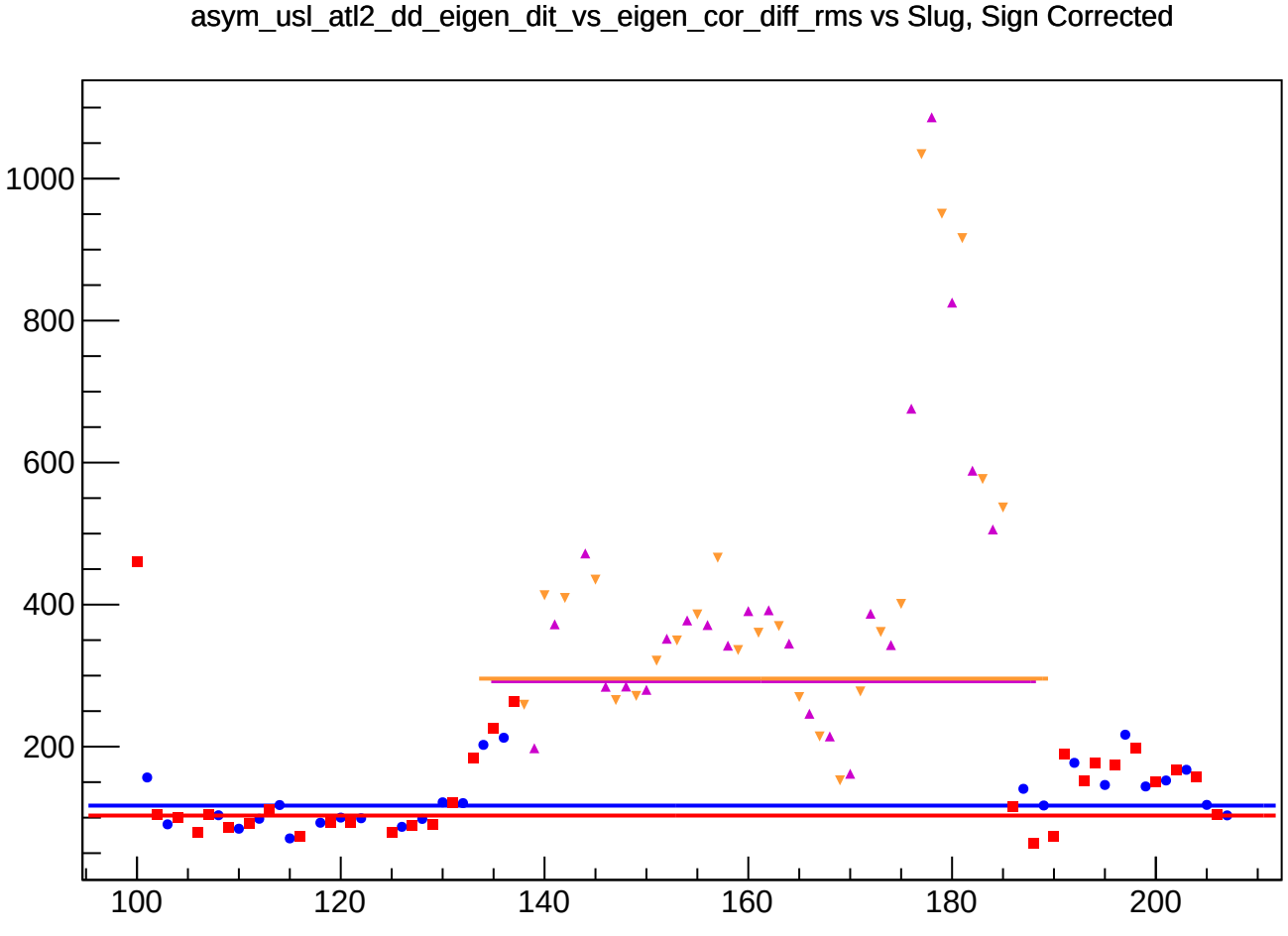
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.008+/-0.021 χ^2/NDF: 56.1/55

In: 0.046+/-0.030 χ^2/NDF:45.5/48

Out: -0.012+/-0.026 χ^2/NDF:64.5/53

All: 0.014+/-0.020 χ^2/NDF: 112.1/102



Right In: 116.962+/-0.023 χ^2/NDF: 2139655.2/25

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

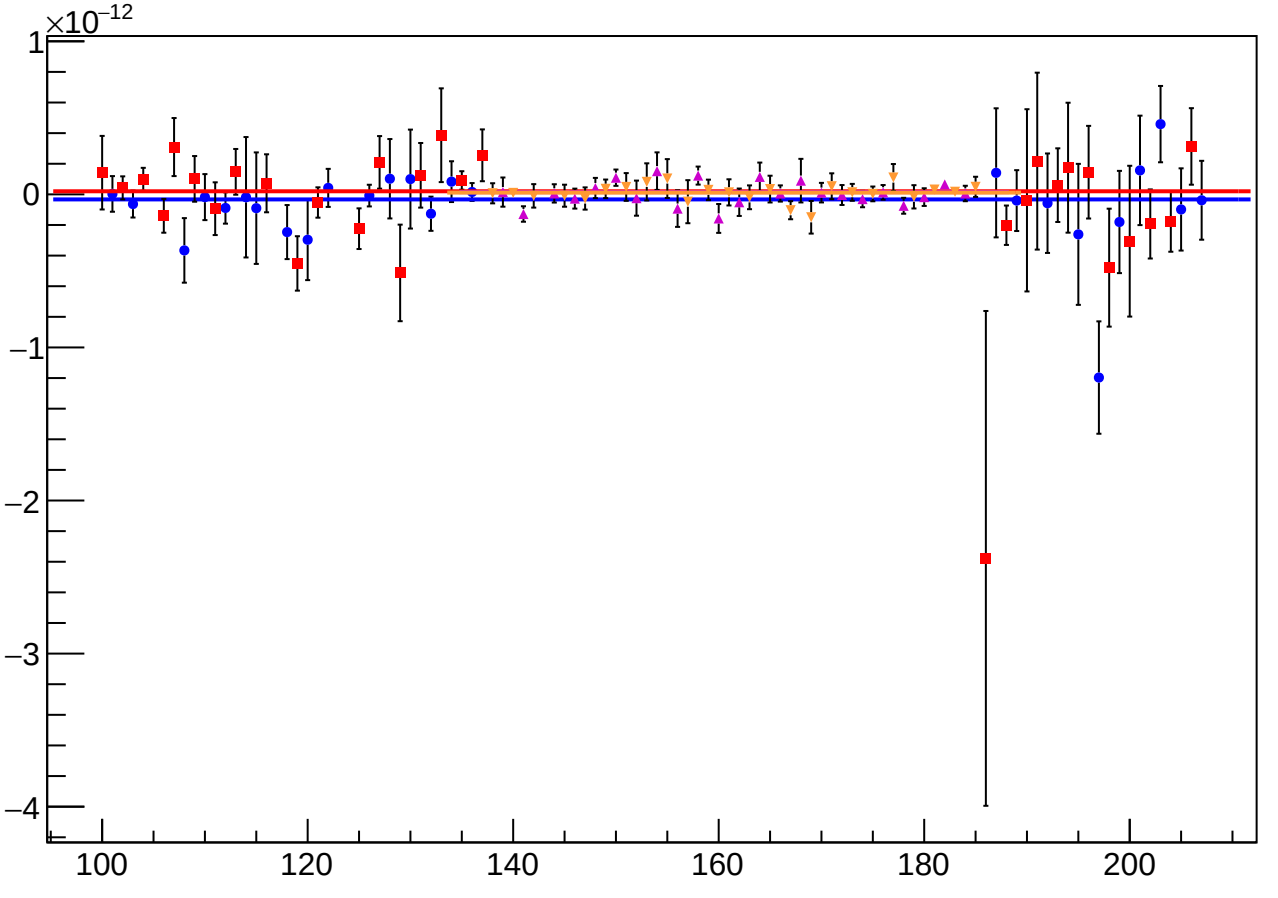
Right: 109.035+/-0.015 χ^2/NDF: 5924118.3/55

In: 144.468+/-0.021 χ^2/NDF:16457678.7/48

Out: 126.358+/-0.019 χ^2/NDF:20384857.0/53

All: 134.404+/-0.014 χ^2/NDF: 37258240.8/10

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/25

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

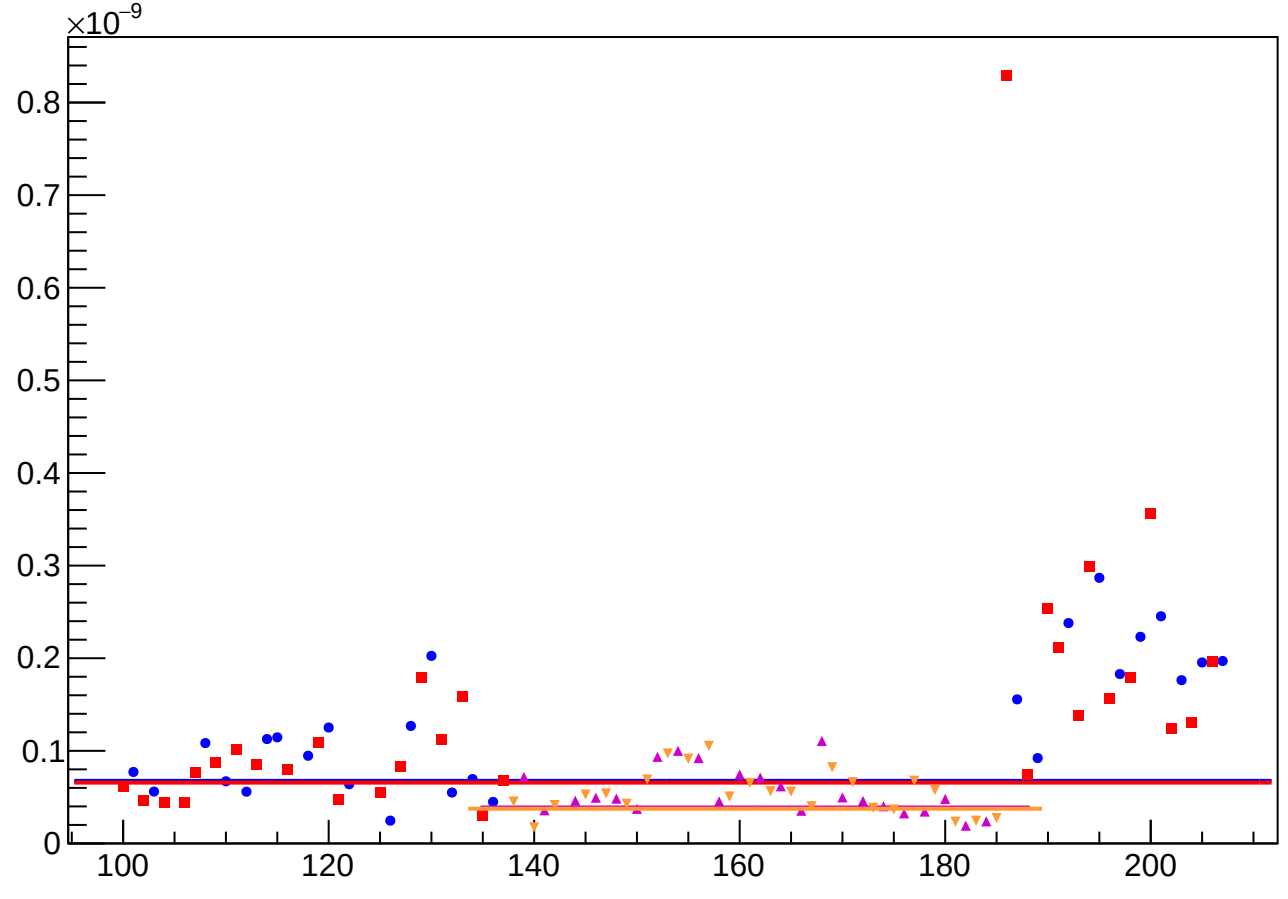
Right: -0.000+/-0.000 χ^2/NDF: 63.8/55

In: 0.000+/-0.000 χ^2/NDF:56.8/48

Out: 0.000+/-0.000 χ^2/NDF:49.1/53

All: 0.000+/-0.000 χ^2/NDF: 106.1/102

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5457315.0/25

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

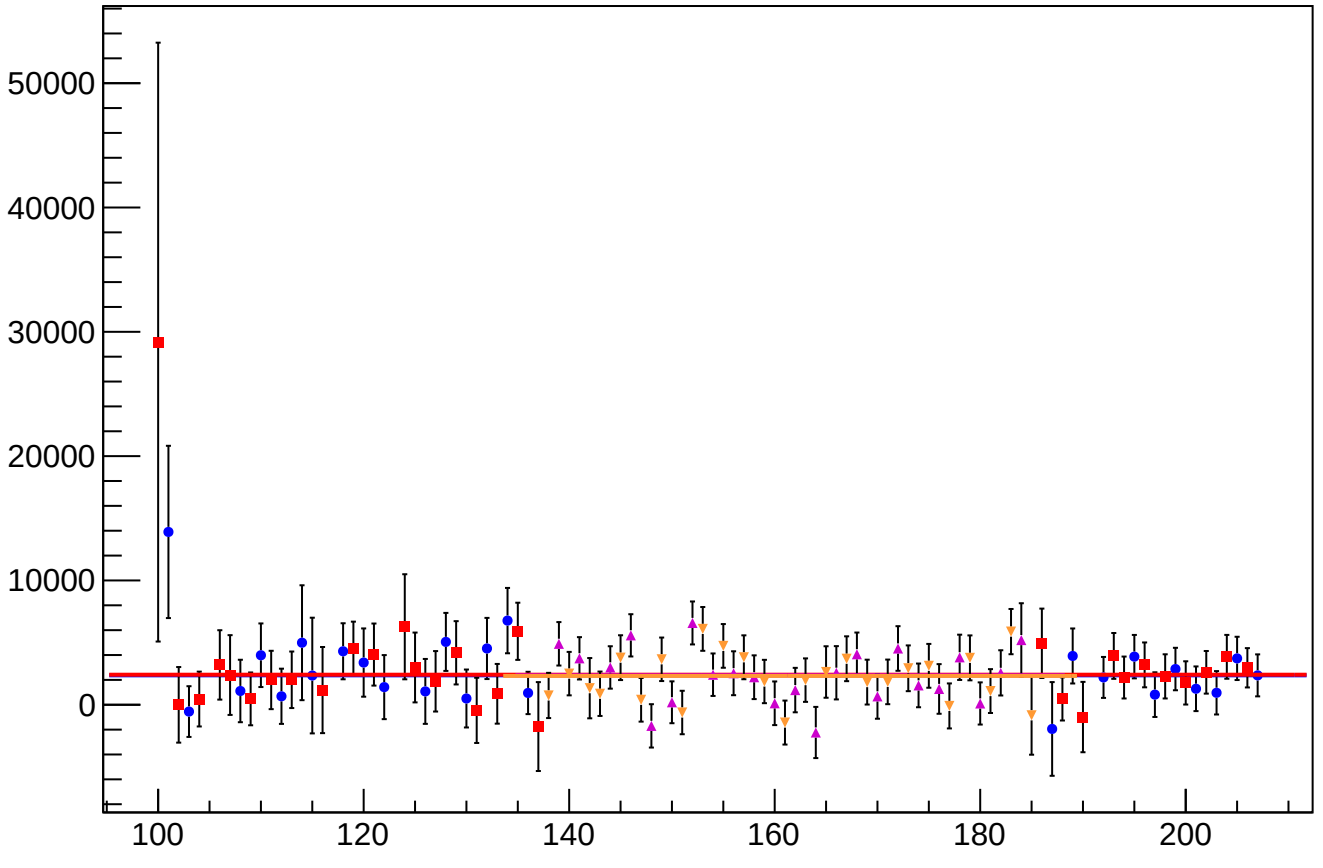
Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

Right: 0.000+/-0.000 χ^2/NDF: 10984862.5/55

In: 0.000+/-0.000 χ^2/NDF:11790706.8/48

Out: 0.000+/-0.000 χ^2/NDF:12340384.6/53

All: 0.000+/-0.000 χ^2/NDF: 24142363.2/102



Right In: 2366.951+/-427.952 χ^2/NDF: 18.9/25

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

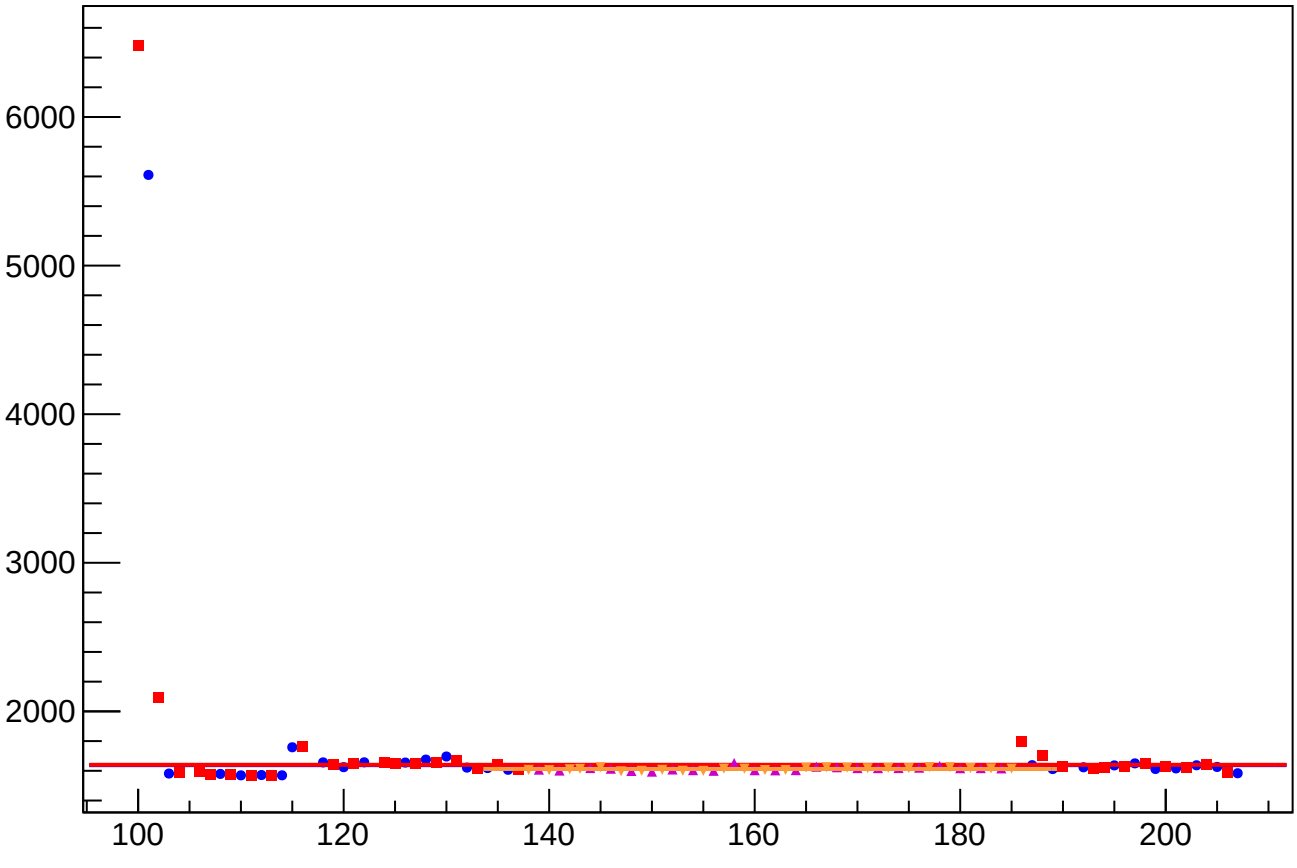
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2393.118+/-296.143 χ^2/NDF: 36.1/55

In: 2369.023+/-282.802 χ^2/NDF:52.6/48

Out: 2363.695+/-273.230 χ^2/NDF:44.8/54

All: 2366.268+/-196.499 χ^2/NDF: 97.4/103



Right In: 1638.172+/-0.303 χ^2/NDF: 671413.4/25

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

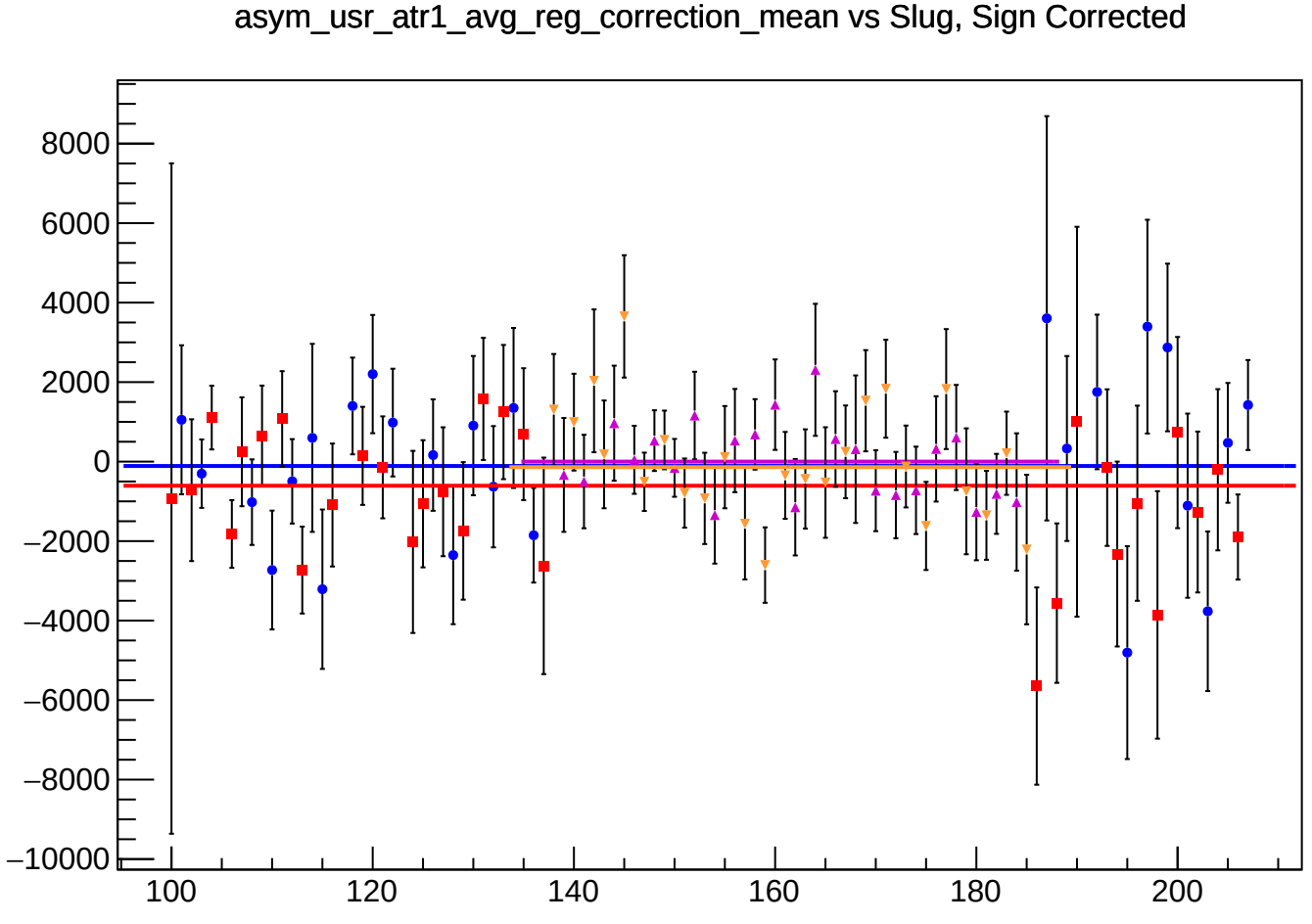
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.369+/-0.209 χ^2/NDF: 820053.3/55

In: 1624.439+/-0.200 χ^2/NDF:677424.0/48

Out: 1624.967+/-0.193 χ^2/NDF:154915.5/54

All: 1624.712+/-0.139 χ^2/NDF: 832343.1/103



Right In: -110.378+/-299.828 χ^2/NDF: 30.0/25

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

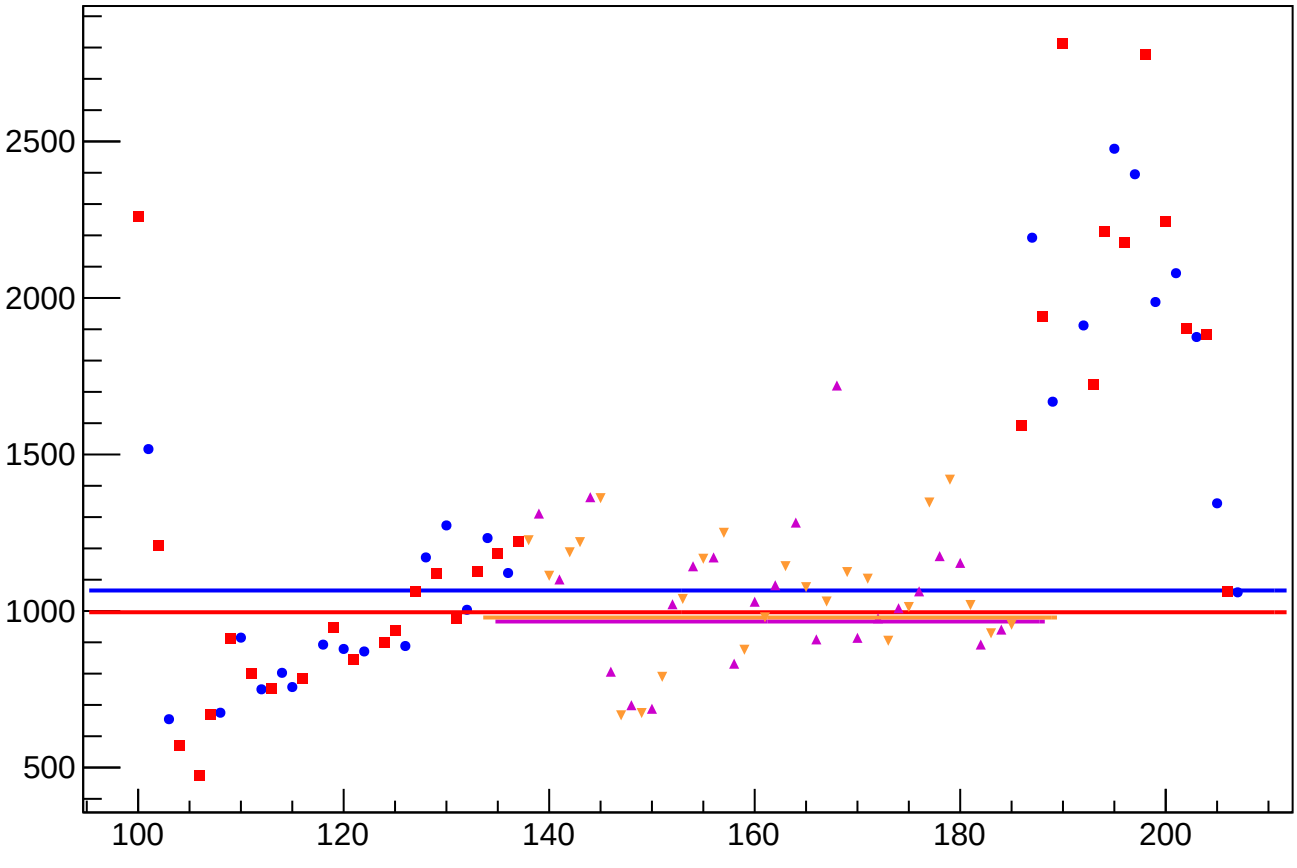
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -376.936+/-203.999 χ^2/NDF: 61.1/55

In: -41.373+/-183.437 χ^2/NDF:43.0/48

Out: -327.907+/-176.905 χ^2/NDF:61.5/54

All: -189.833+/-127.337 χ^2/NDF: 105.7/103



Right In: 1065.577+/-0.212 χ^2/NDF: 4122081.3/25

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

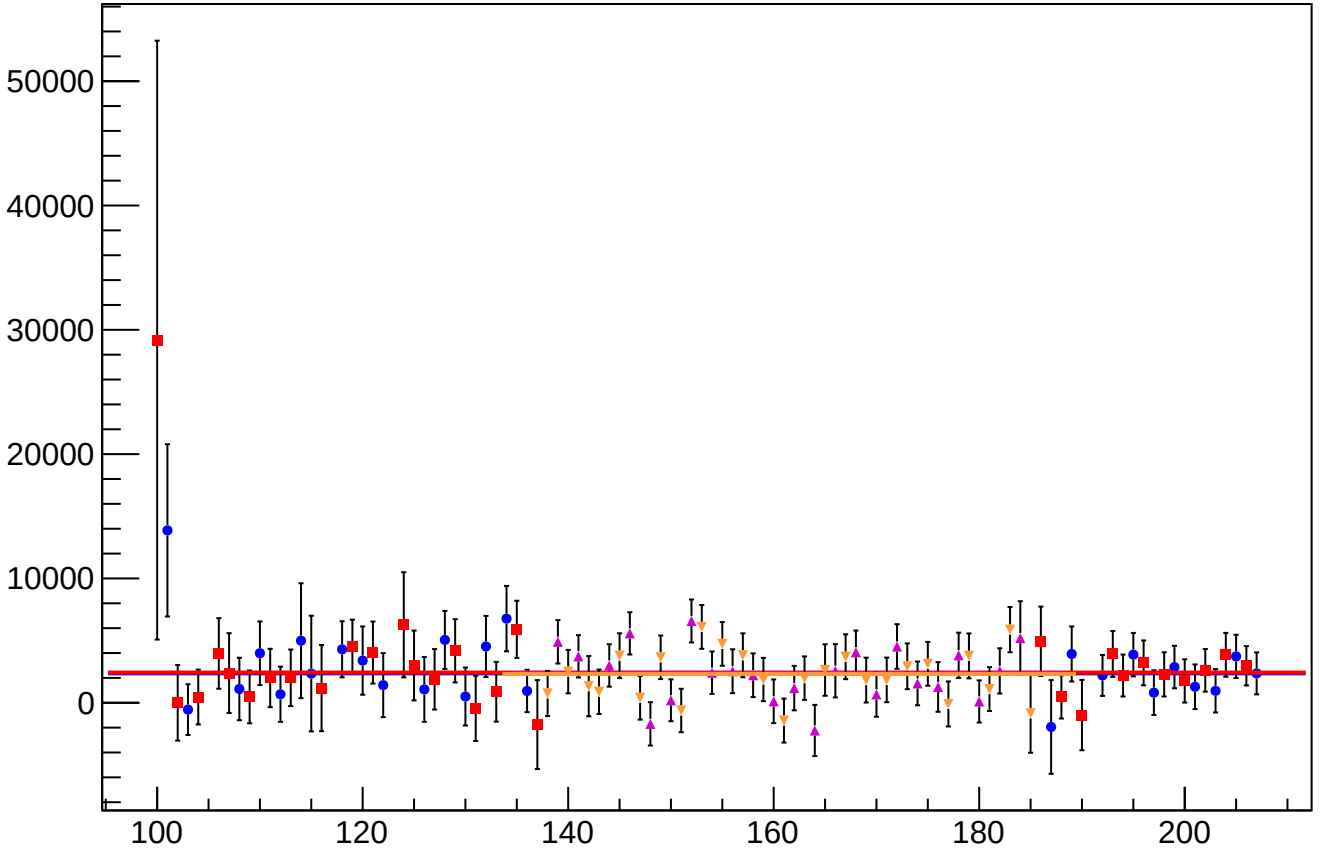
Right: 1028.262+/-0.144 χ^2/NDF: 10084832.3/55

In: 1003.601+/-0.130 χ^2/NDF:5861249.3/48

Out: 986.082+/-0.125 χ^2/NDF:7540042.1/54

All: 994.524+/-0.090 χ^2/NDF: 13410743.8/10

cor_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2366.712+/-427.952 χ^2/NDF: 18.9/25

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

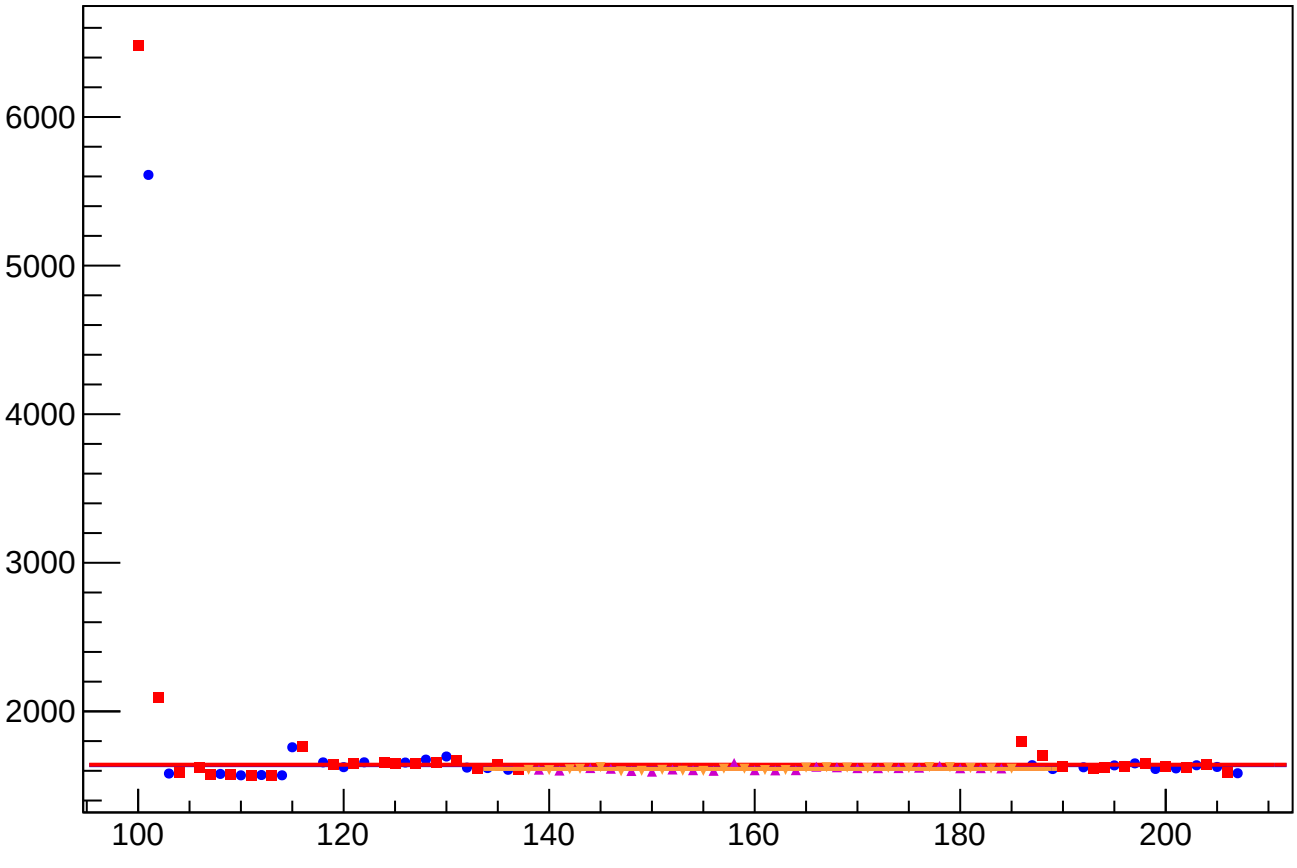
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2401.044+/-296.201 χ^2/NDF: 36.3/55

In: 2368.958+/-282.802 χ^2/NDF:52.6/48

Out: 2370.507+/-273.275 χ^2/NDF:45.0/54

All: 2369.759+/-196.516 χ^2/NDF: 97.6/103



Right In: 1638.172+/-0.303 χ^2/NDF: 671412.9/25

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

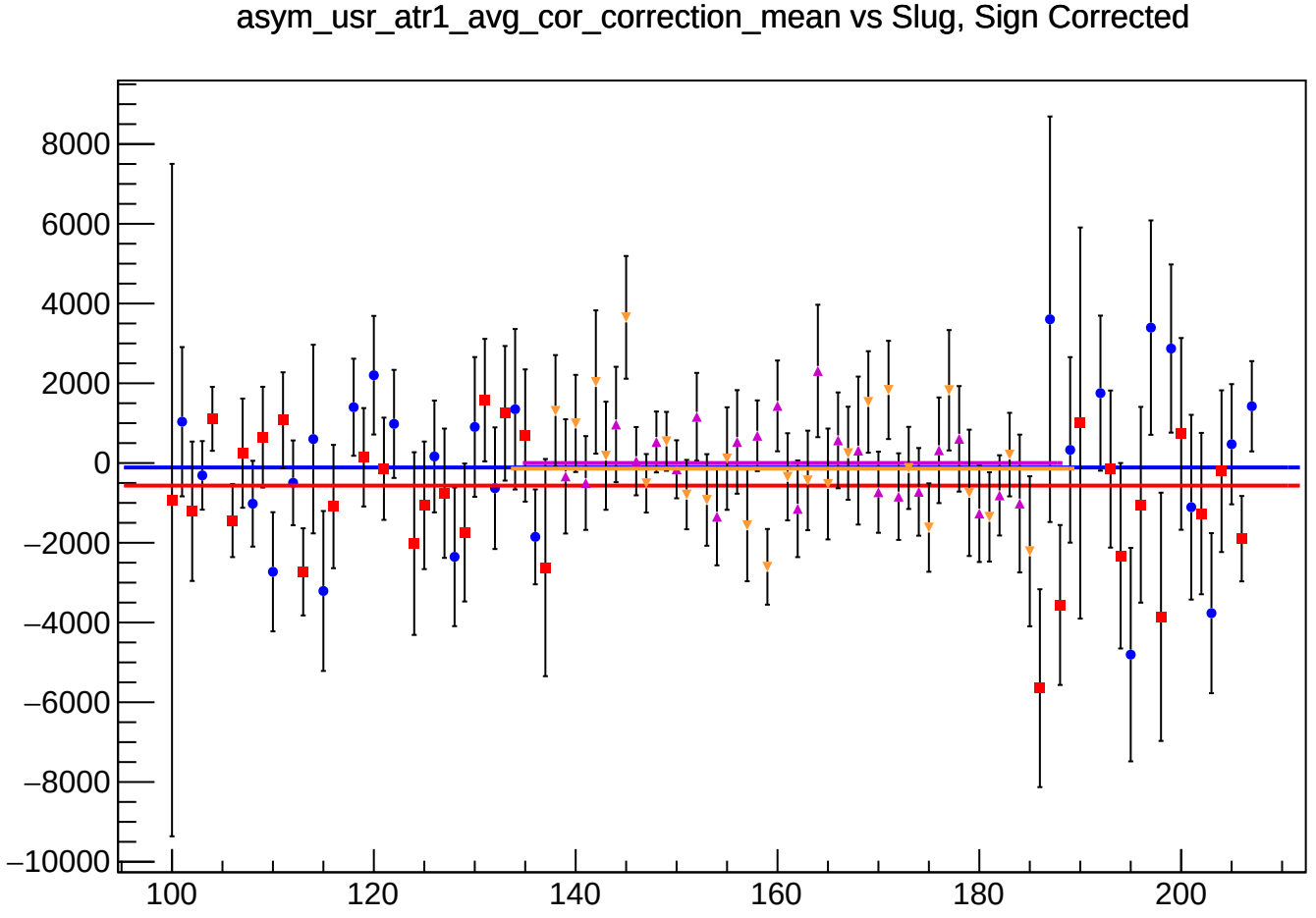
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.675+/-0.209 χ^2/NDF: 819601.9/55

In: 1624.439+/-0.200 χ^2/NDF:677423.5/48

Out: 1625.223+/-0.193 χ^2/NDF:154663.9/54

All: 1624.844+/-0.139 χ^2/NDF: 832095.4/103



Right In: -111.415+/-299.798 χ^2/NDF: 30.0/25

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

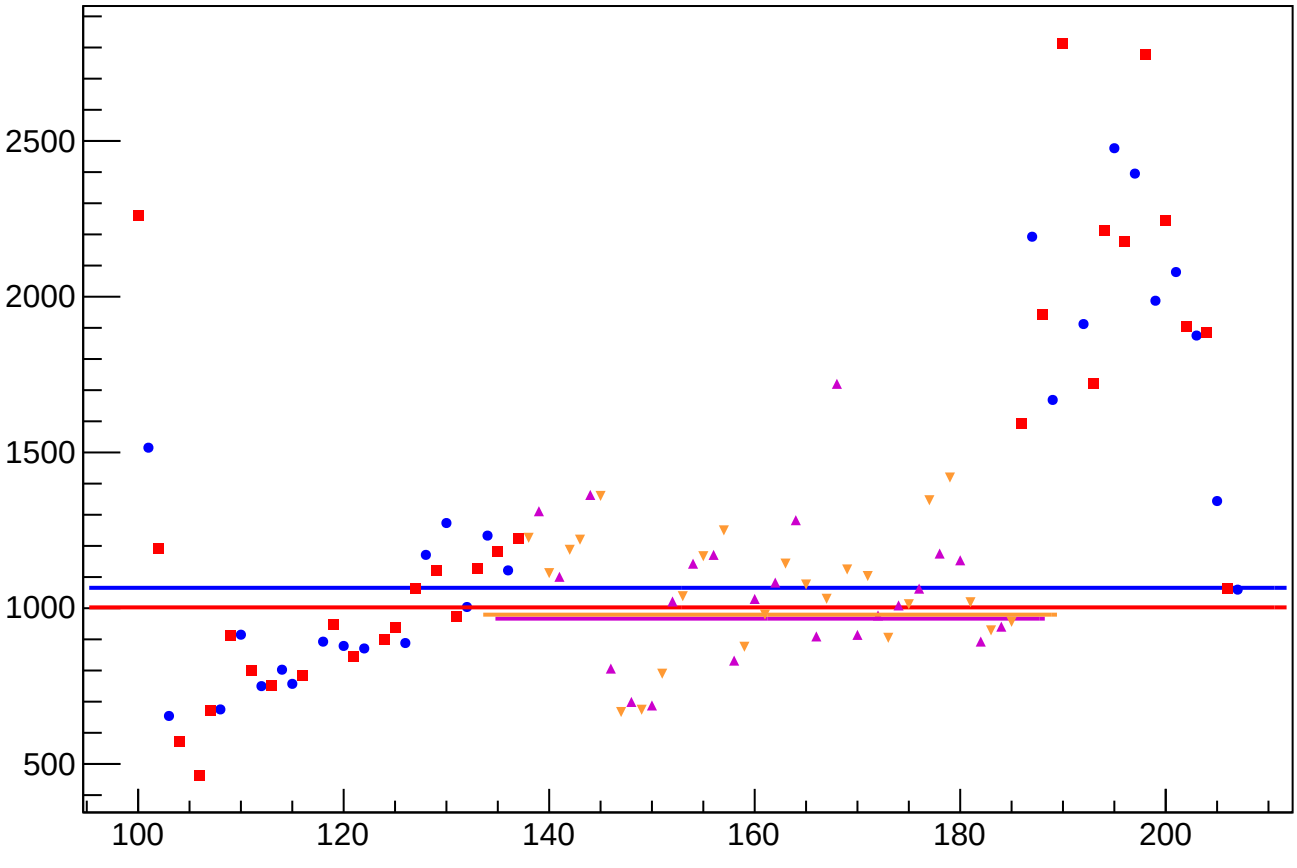
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -354.190+/-204.751 χ^2/NDF: 59.8/55

In: -41.751+/-183.431 χ^2/NDF:42.9/48

Out: -310.243+/-177.400 χ^2/NDF:60.1/54

All: -180.483+/-127.520 χ^2/NDF: 104.1/103



Right In: 1065.465+/-0.212 χ^2/NDF: 4122591.1/25

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

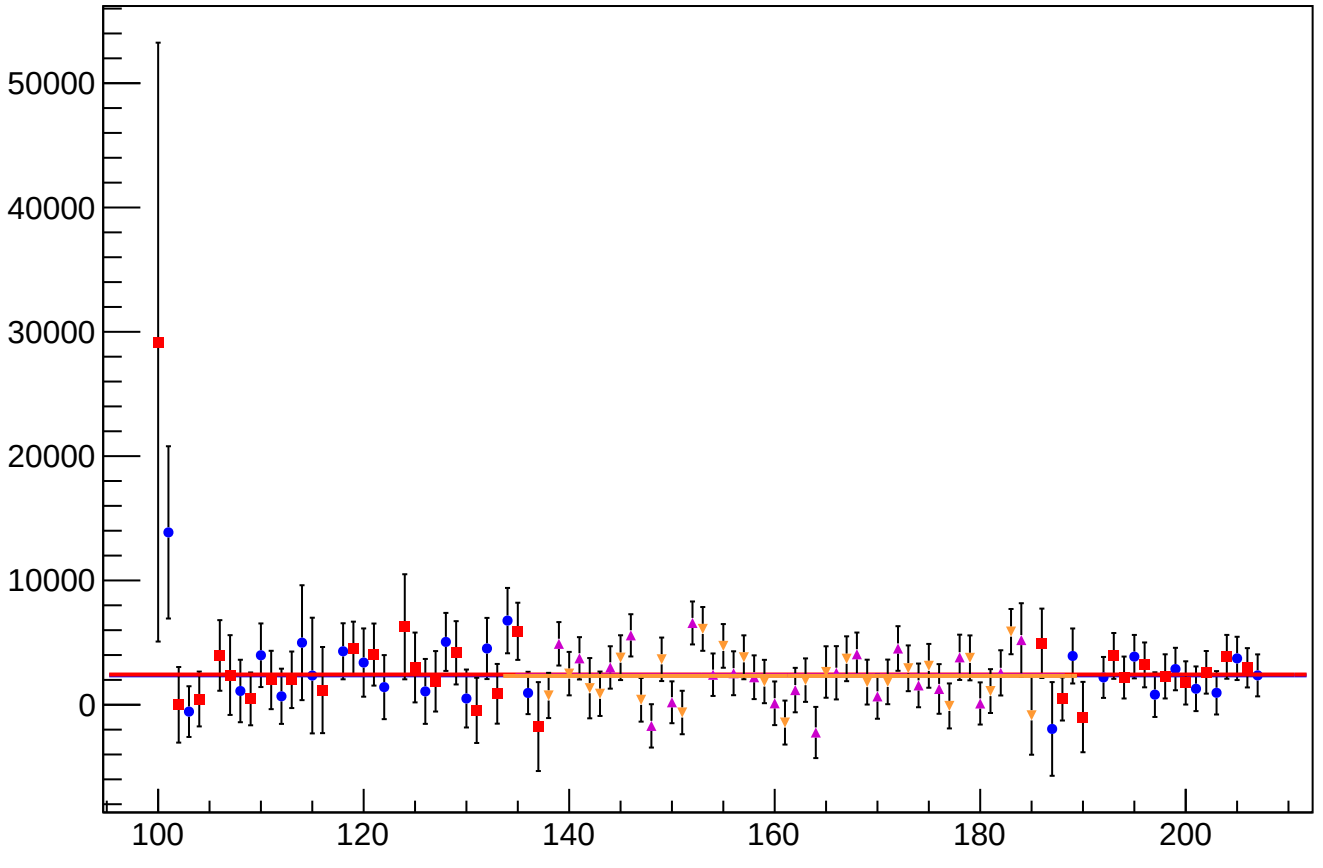
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1031.957+/-0.145 χ^2/NDF: 9992958.7/55

In: 1003.568+/-0.130 χ^2/NDF:5861419.2/48

Out: 988.651+/-0.125 χ^2/NDF:7462611.2/54

All: 995.860+/-0.090 χ^2/NDF: 13330864.4/10



Right In: 2366.712+/-427.952 χ^2/NDF: 18.9/25

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

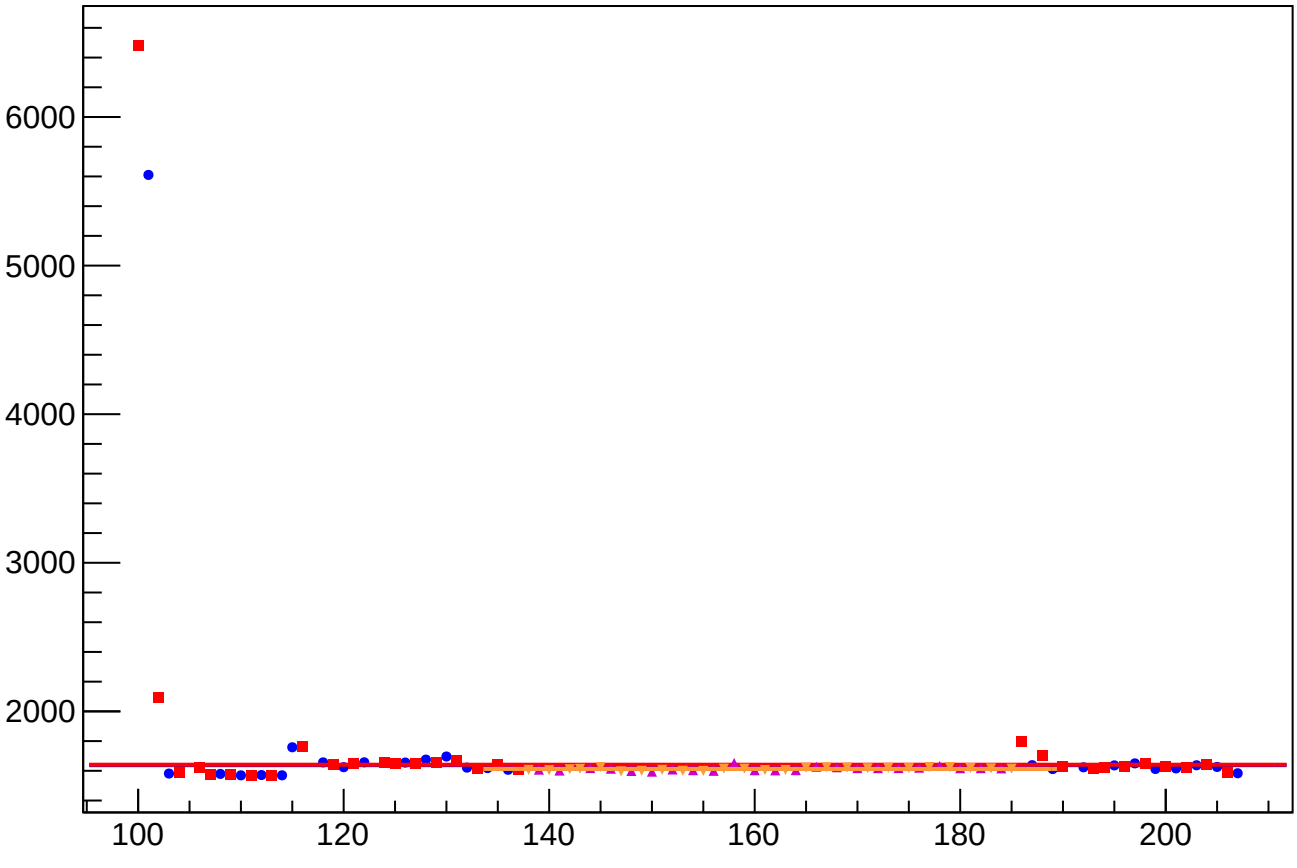
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2401.044+/-296.201 χ^2/NDF: 36.3/55

In: 2368.958+/-282.802 χ^2/NDF:52.6/48

Out: 2370.507+/-273.275 χ^2/NDF:45.0/54

All: 2369.759+/-196.516 χ^2/NDF: 97.6/103



Right In: 1638.172+/-0.303 χ^2/NDF: 671412.9/25

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

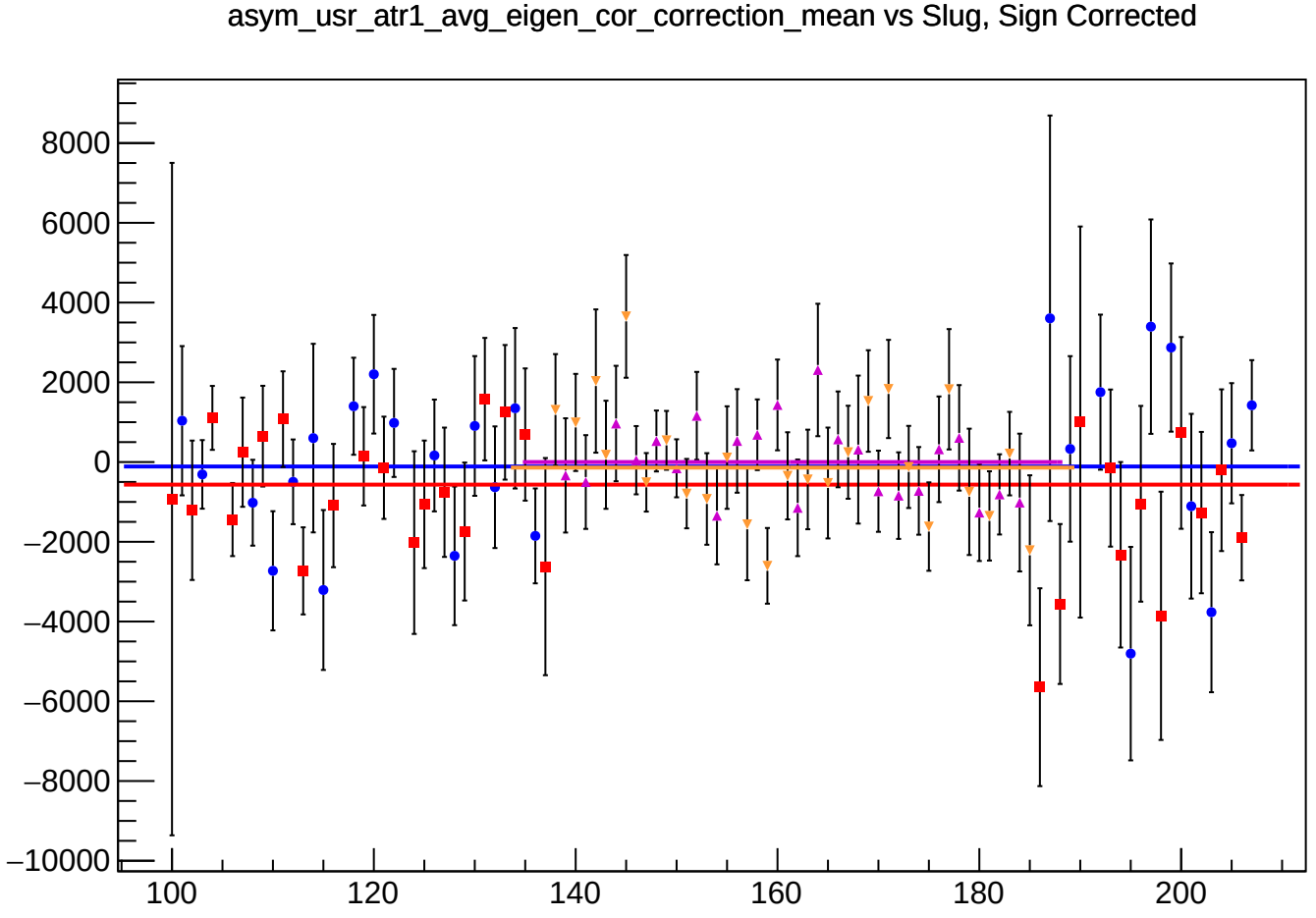
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1639.675+/-0.209 χ^2/NDF: 819601.9/55

In: 1624.439+/-0.200 χ^2/NDF:677423.5/48

Out: 1625.223+/-0.193 χ^2/NDF:154663.9/54

All: 1624.844+/-0.139 χ^2/NDF: 832095.4/103



Right In: -111.415+/-299.798 χ^2/NDF: 30.0/25

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

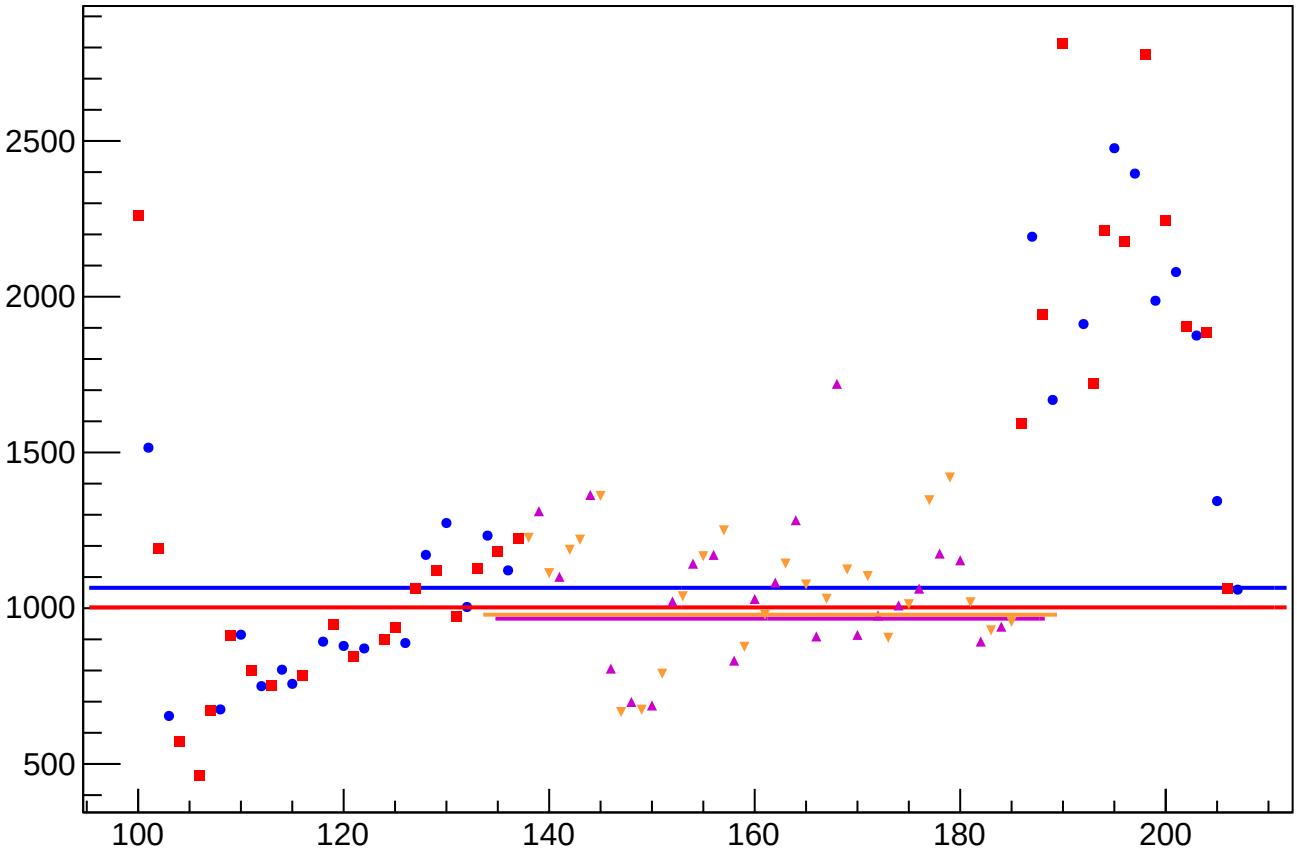
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -354.190+/-204.751 χ^2/NDF: 59.8/55

In: -41.751+/-183.431 χ^2/NDF:42.9/48

Out: -310.243+/-177.400 χ^2/NDF:60.1/54

All: -180.483+/-127.520 χ^2/NDF: 104.1/103



Right In: 1065.465+/-0.212 χ^2/NDF: 4122591.1/25

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

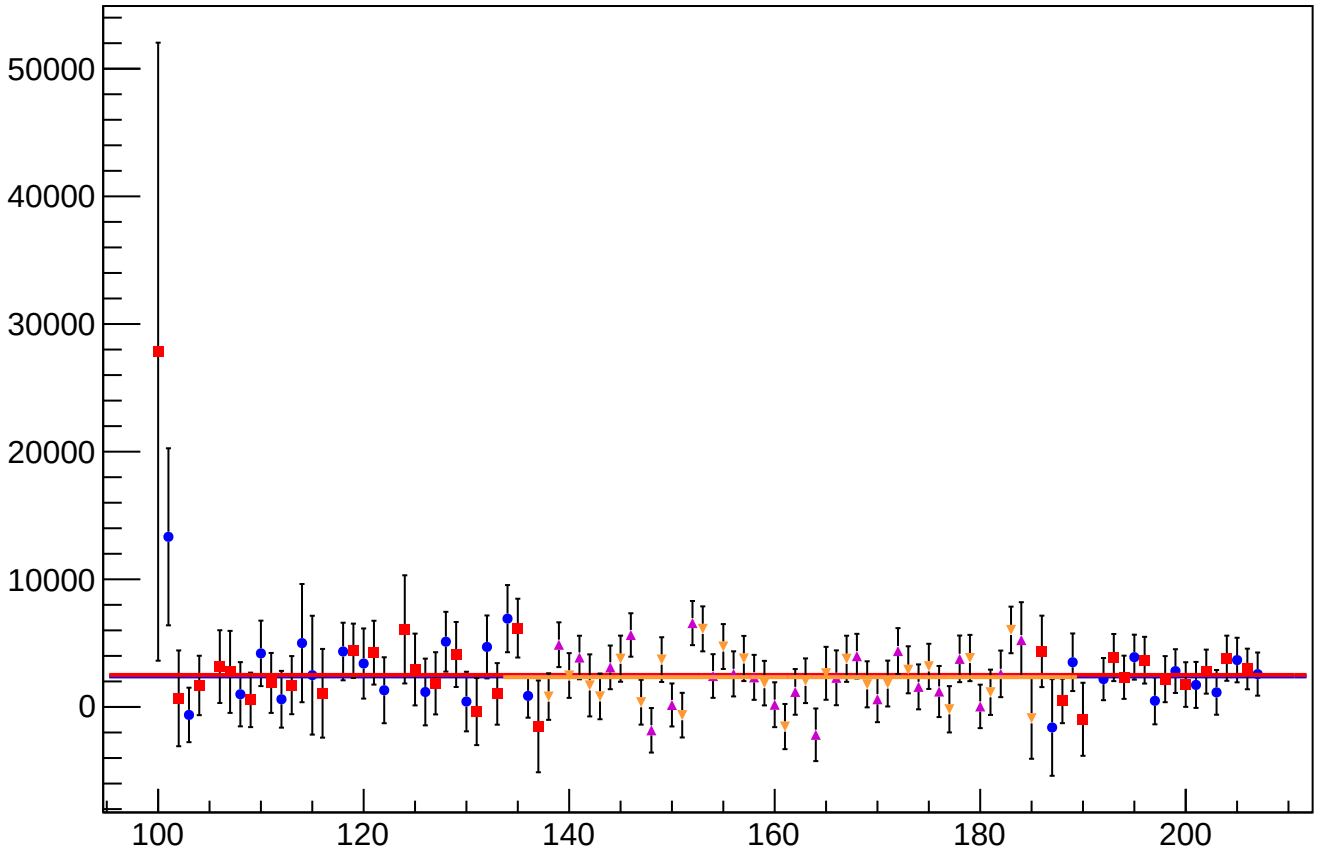
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1031.957+/-0.145 χ^2/NDF: 9992958.7/55

In: 1003.568+/-0.130 χ^2/NDF:5861419.2/48

Out: 988.651+/-0.125 χ^2/NDF:7462611.2/54

All: 995.860+/-0.090 χ^2/NDF: 13330864.4/10



Right In: 2393.823+/-430.696 χ^2/NDF: 18.7/25

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

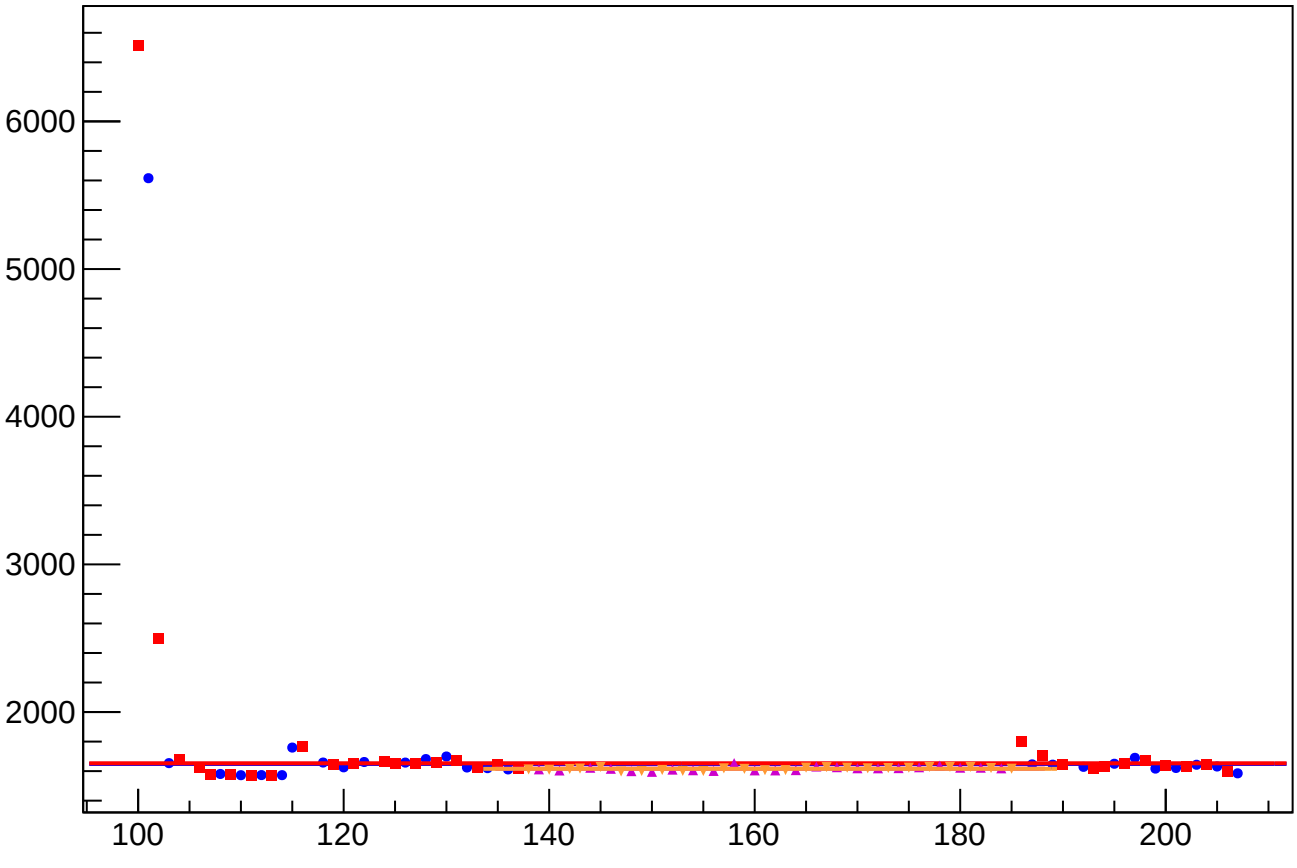
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2454.235+/-298.563 χ^2/NDF: 34.4/55

In: 2374.854+/-283.846 χ^2/NDF:52.7/48

Out: 2411.916+/-274.697 χ^2/NDF:44.0/54

All: 2393.992+/-197.395 χ^2/NDF: 96.7/103



Right In: 1648.560+/-0.305 χ^2/NDF: 669960.7/25

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

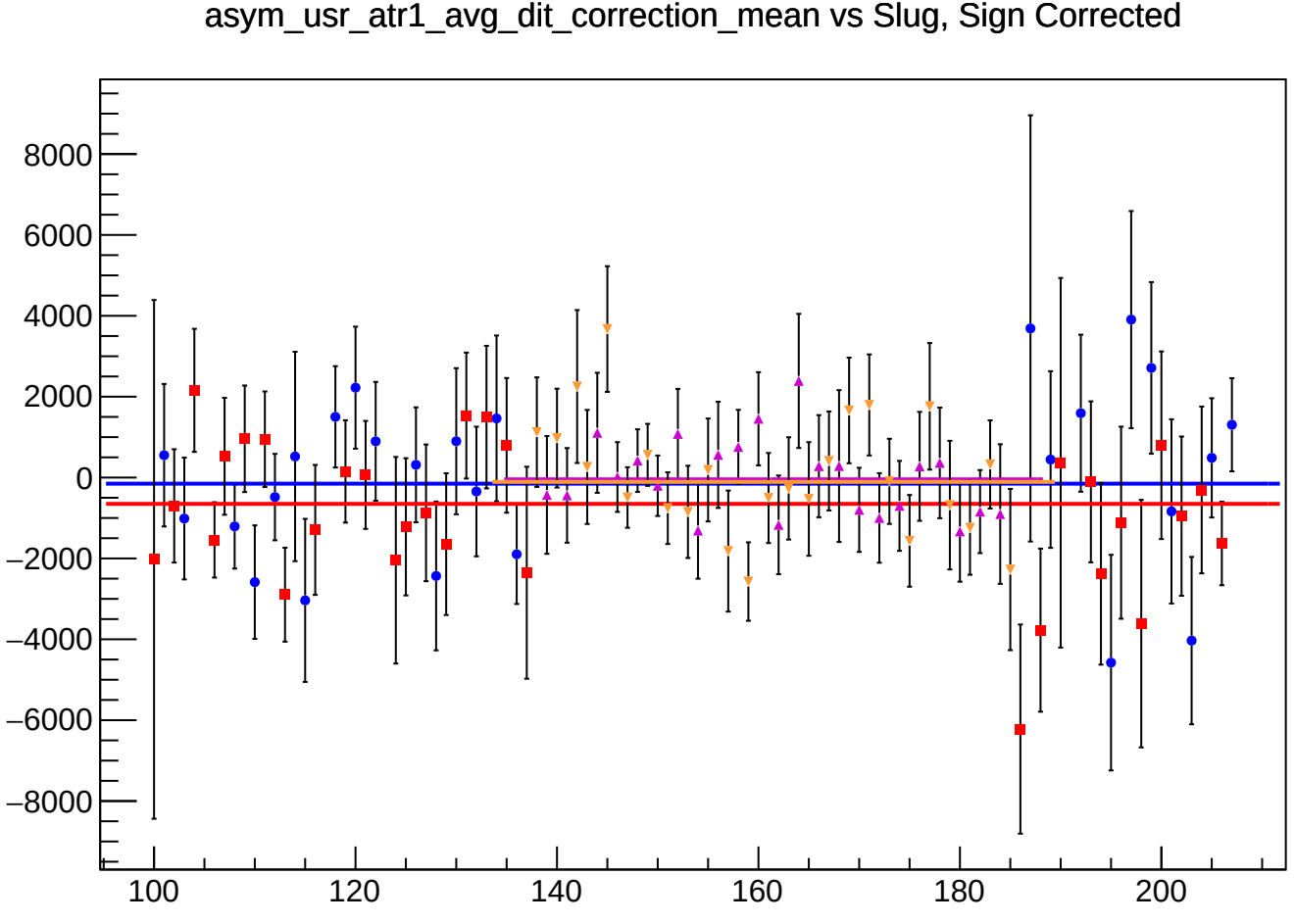
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

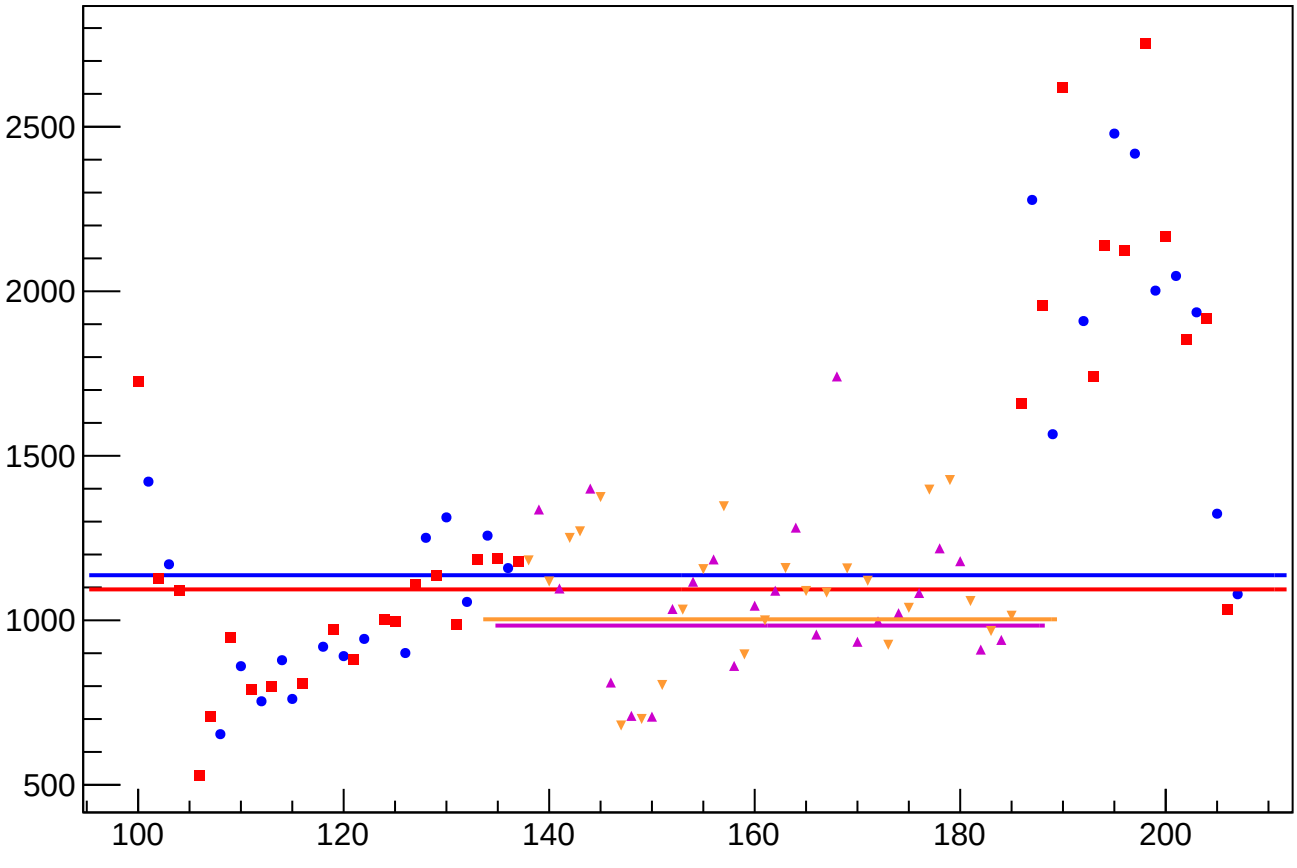
Right: 1650.894+/-0.211 χ^2/NDF: 875329.1/55

In: 1630.346+/-0.201 χ^2/NDF:678841.5/48

Out: 1632.088+/-0.194 χ^2/NDF:215846.0/54

All: 1631.245+/-0.140 χ^2/NDF: 894726.4/103


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: -150.689+/-315.612 χ²/NDF: 29.8/25
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: -416.801+/-215.902 χ²/NDF: 59.5/55
In: -82.506+/-188.866 χ²/NDF:42.6/48
Out: -316.102+/-183.713 χ²/NDF:59.5/54
All: -202.534+/-131.689 χ²/NDF: 102.9/103



Right In: 1137.081+/-0.223 χ^2/NDF: 3584876.2/25

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

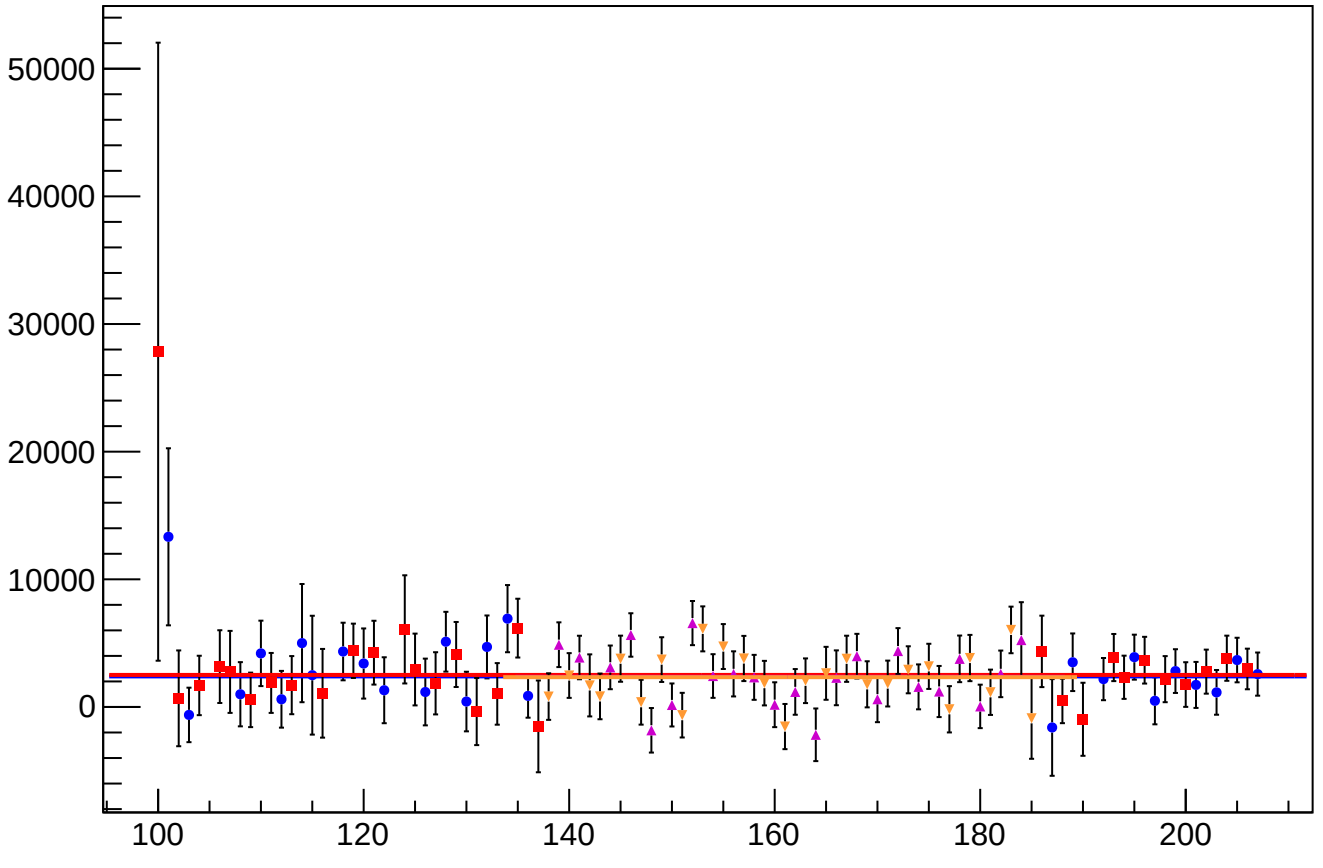
Left: 993.635+/-0.118 χ^2/NDF: 3164545.6/47

Right: 1114.154+/-0.153 χ^2/NDF: 8303410.4/55

In: 1038.852+/-0.134 χ^2/NDF:5446246.9/48

Out: 1038.113+/-0.130 χ^2/NDF:6413041.6/54

All: 1038.473+/-0.093 χ^2/NDF: 11859304.3/1



Right In: 2393.824+/-430.696 χ^2/NDF: 18.7/25

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

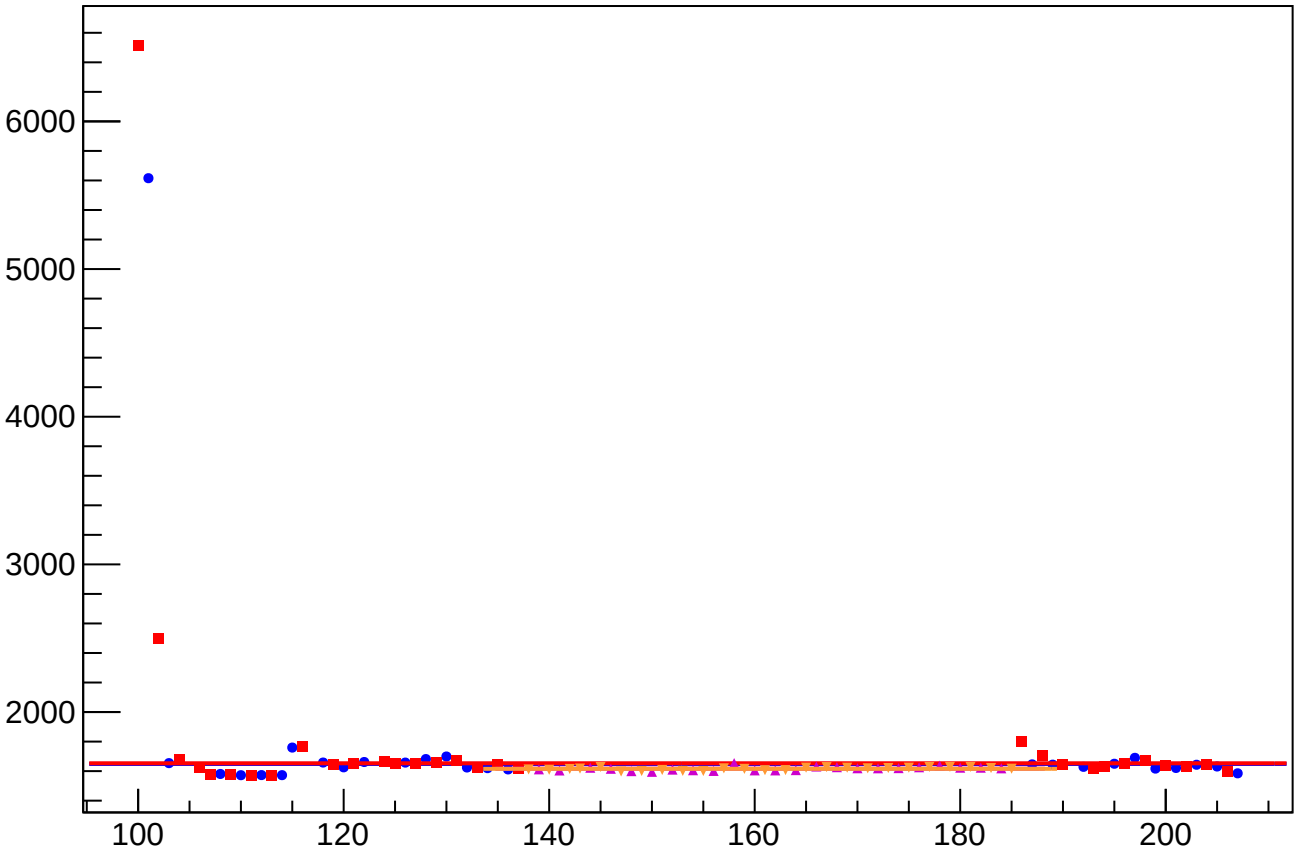
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2454.234+/-298.563 χ^2/NDF: 34.4/55

In: 2374.854+/-283.846 χ^2/NDF:52.7/48

Out: 2411.915+/-274.697 χ^2/NDF:44.0/54

All: 2393.991+/-197.395 χ^2/NDF: 96.7/103



Right In: 1648.560+/-0.305 χ^2/NDF: 669960.7/25

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

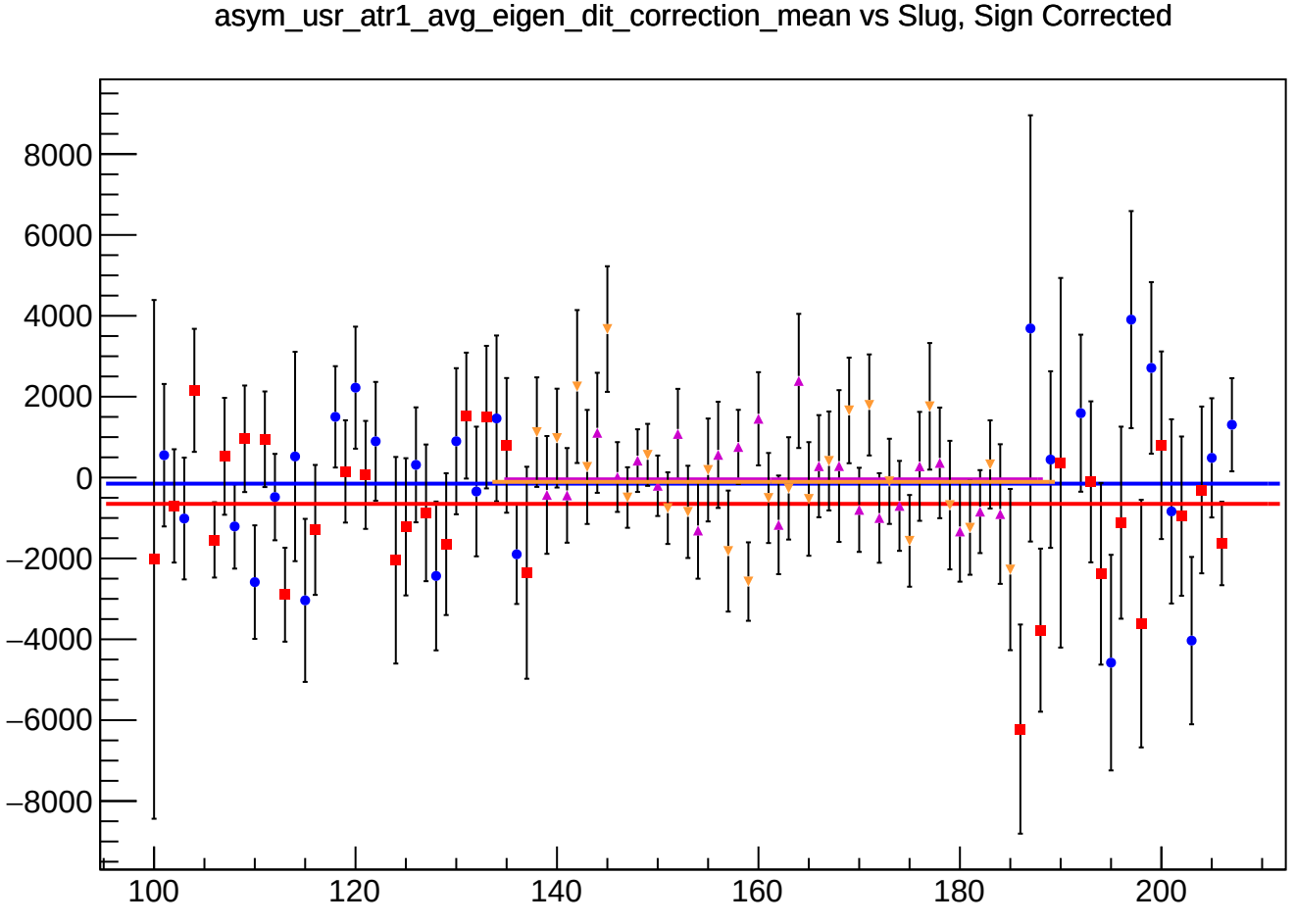
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1650.894+/-0.211 χ^2/NDF: 875328.9/55

In: 1630.346+/-0.201 χ^2/NDF:678841.5/48

Out: 1632.088+/-0.194 χ^2/NDF:215845.8/54

All: 1631.245+/-0.140 χ^2/NDF: 894726.2/103



Right In: -150.689+/-315.612 χ^2/NDF: 29.8/25

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -650.856+/-295.993 χ^2/NDF: 28.4/29

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

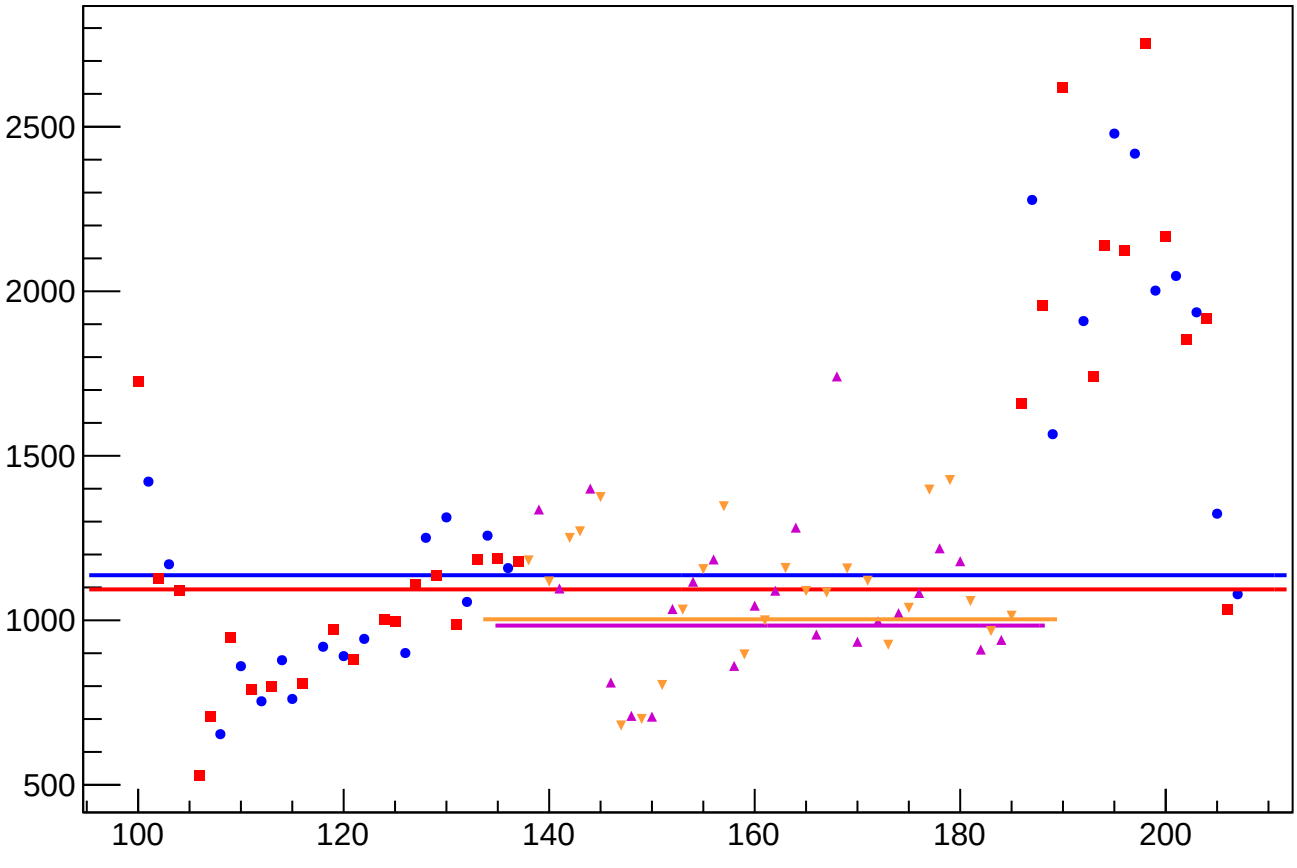
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -416.800+/-215.902 χ^2/NDF: 59.5/55

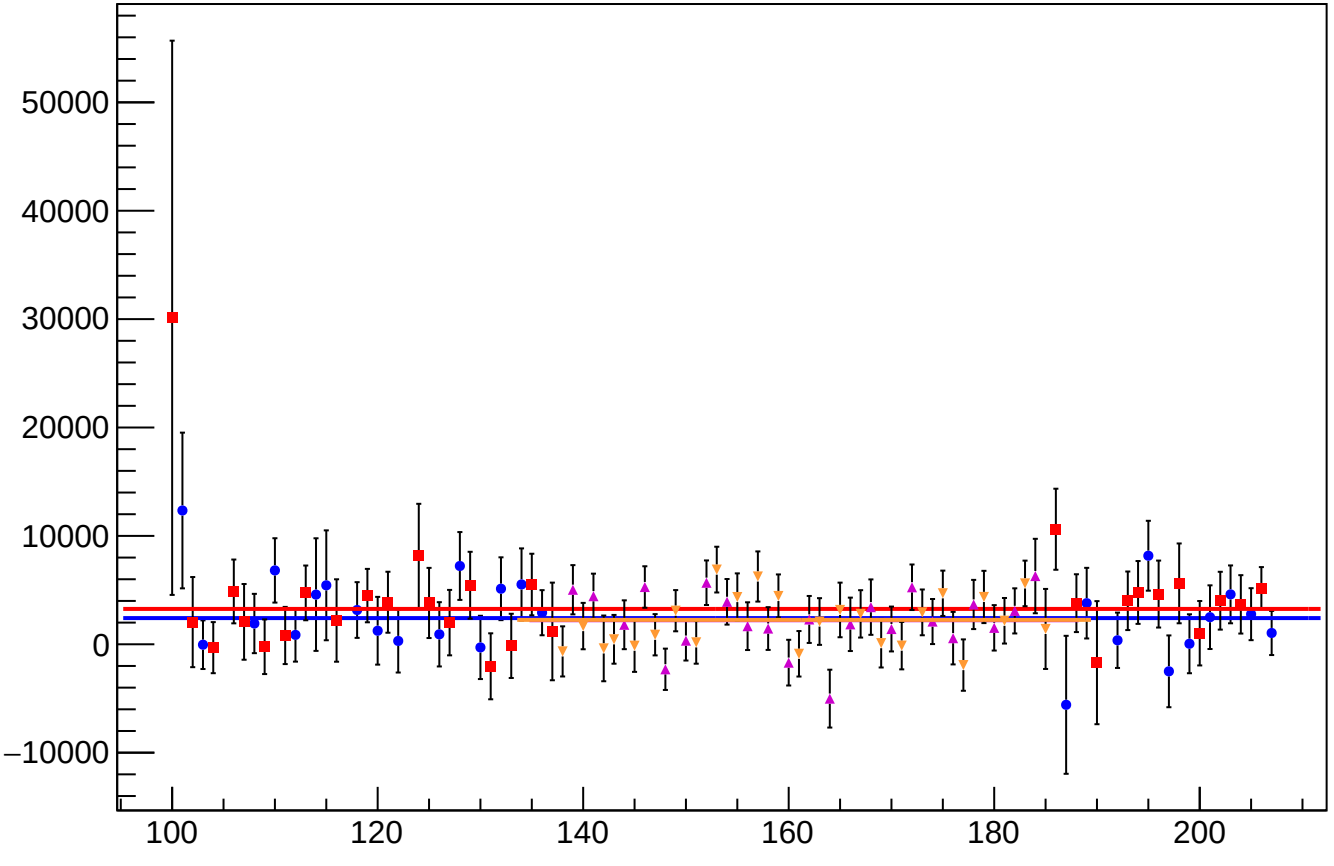
In: -82.506+/-188.867 χ^2/NDF:42.6/48

Out: -316.103+/-183.714 χ^2/NDF:59.5/54

All: -202.534+/-131.689 χ^2/NDF: 102.9/103


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: 1137.078+/-0.223 χ²/NDF: 3584917.9/25
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: 1114.151+/-0.153 χ²/NDF: 8303480.2/55
In: 1038.853+/-0.134 χ²/NDF:5446270.3/48
Out: 1038.114+/-0.130 χ²/NDF:6413060.7/54
All: 1038.473+/-0.093 χ²/NDF: 11859346.8/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2415.900+/-566.436 χ^2/NDF: 22.0/25

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

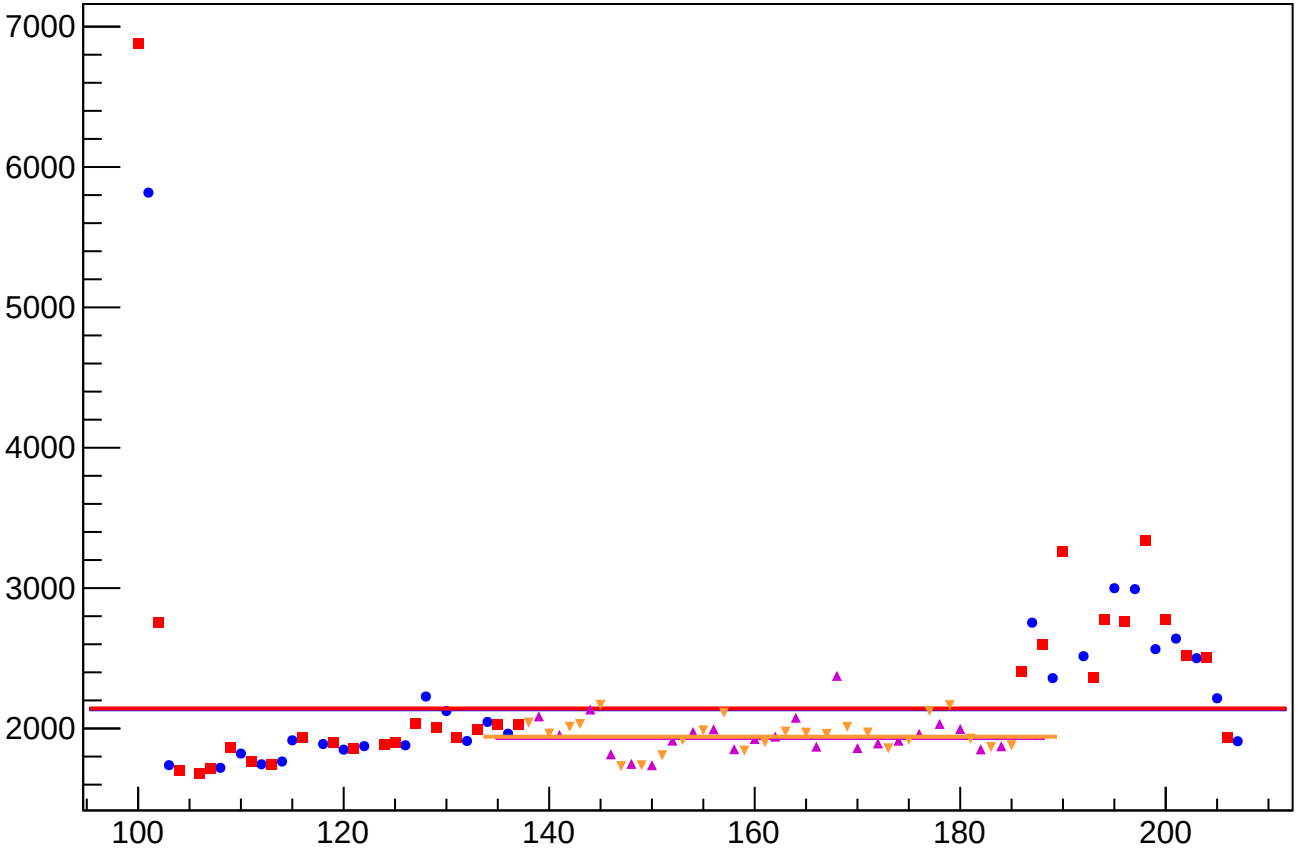
Right: 2853.953+/-393.497 χ^2/NDF: 44.8/55

In: 2295.905+/-353.439 χ^2/NDF:53.6/48

Out: 2651.595+/-343.903 χ^2/NDF:52.0/54

All: 2478.613+/-246.478 χ^2/NDF: 106.1/103

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2137.091+/-0.401 χ^2/NDF: 1339133.4/25

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

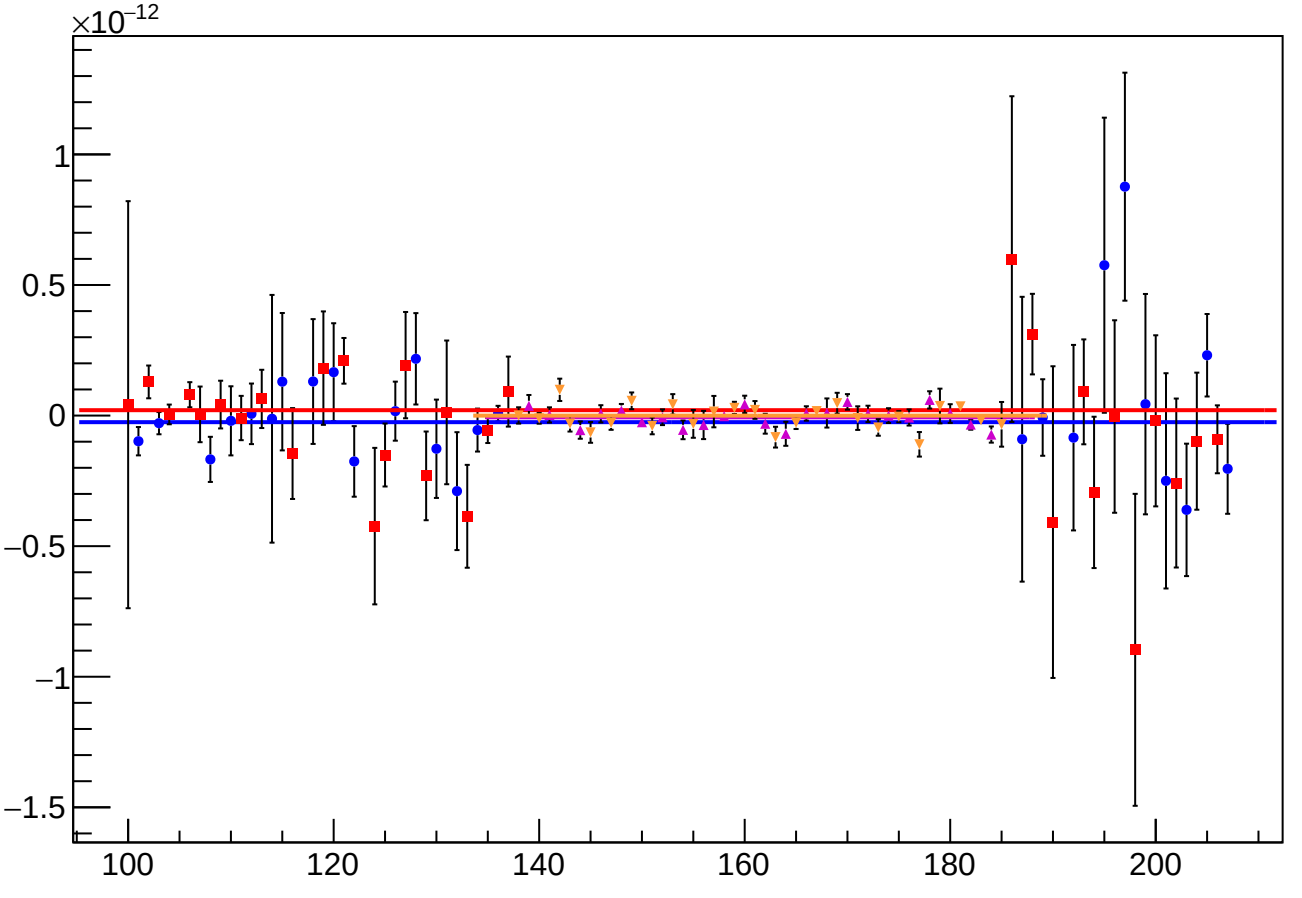
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2139.806+/-0.278 χ^2/NDF: 2544839.0/55

In: 2011.735+/-0.250 χ^2/NDF:1659415.0/48

Out: 2020.922+/-0.243 χ^2/NDF:1507529.3/54

All: 2016.454+/-0.174 χ^2/NDF: 3167638.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.0/25

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

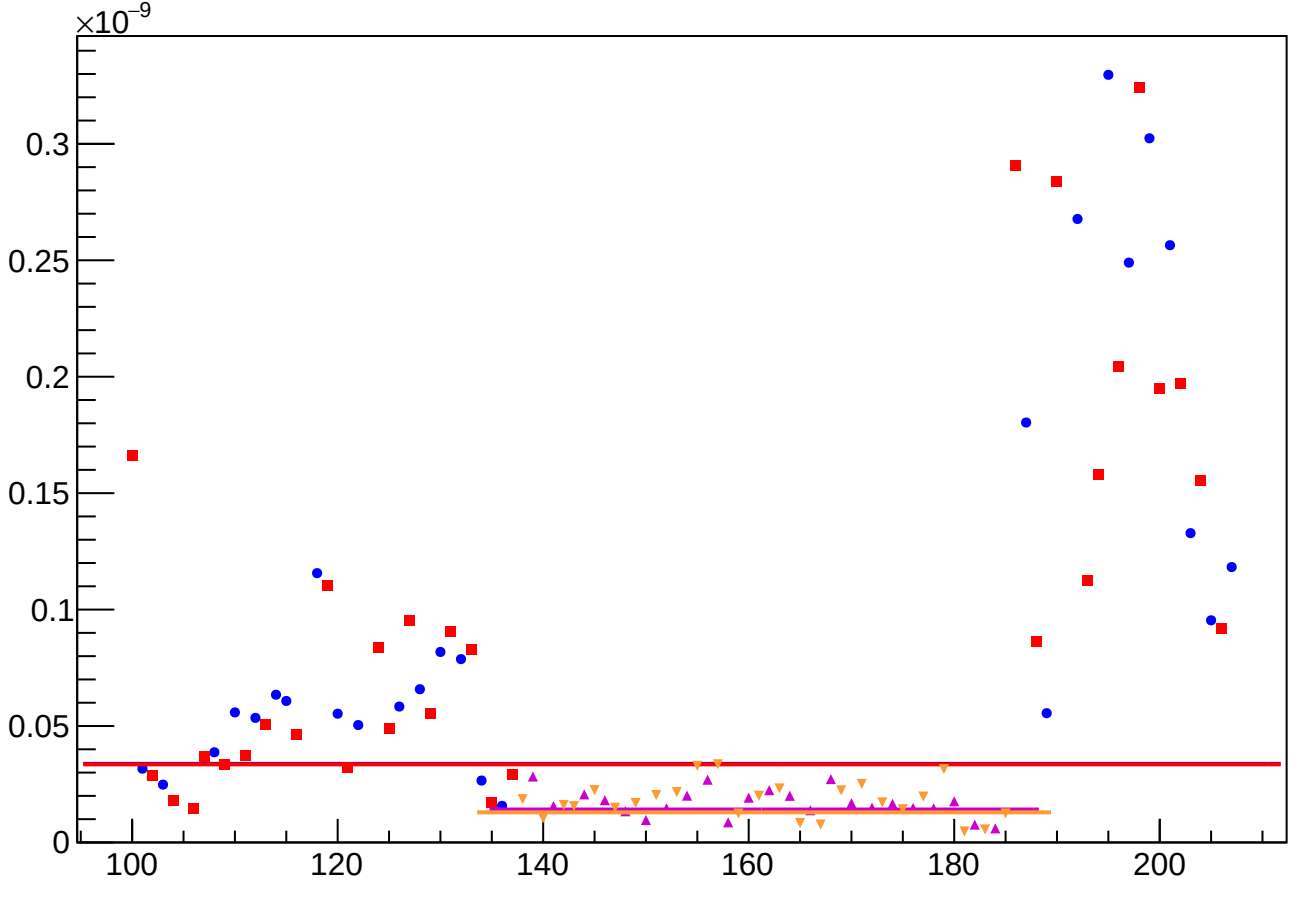
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 62.7/55

In: -0.000+/-0.000 χ^2/NDF:52.4/48

Out: 0.000+/-0.000 χ^2/NDF:77.2/54

All: -0.000+/-0.000 χ^2/NDF: 131.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 6236662.9/25

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

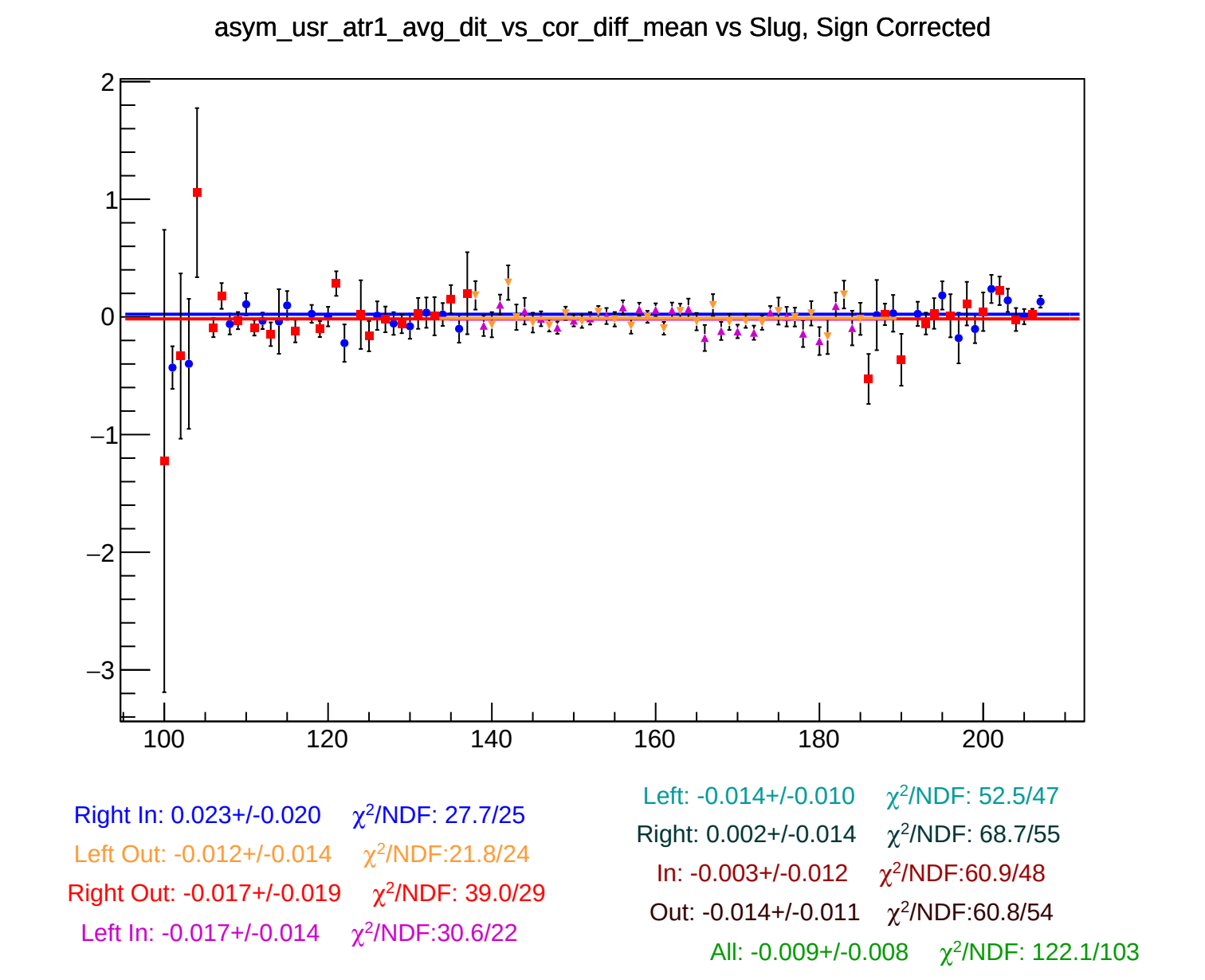
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

Right: 0.000+/-0.000 χ^2/NDF: 12356780.5/55

In: 0.000+/-0.000 χ^2/NDF:9764421.1/48

Out: 0.000+/-0.000 χ^2/NDF:11163488.5/54

All: 0.000+/-0.000 χ^2/NDF: 20988632.9/103


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2
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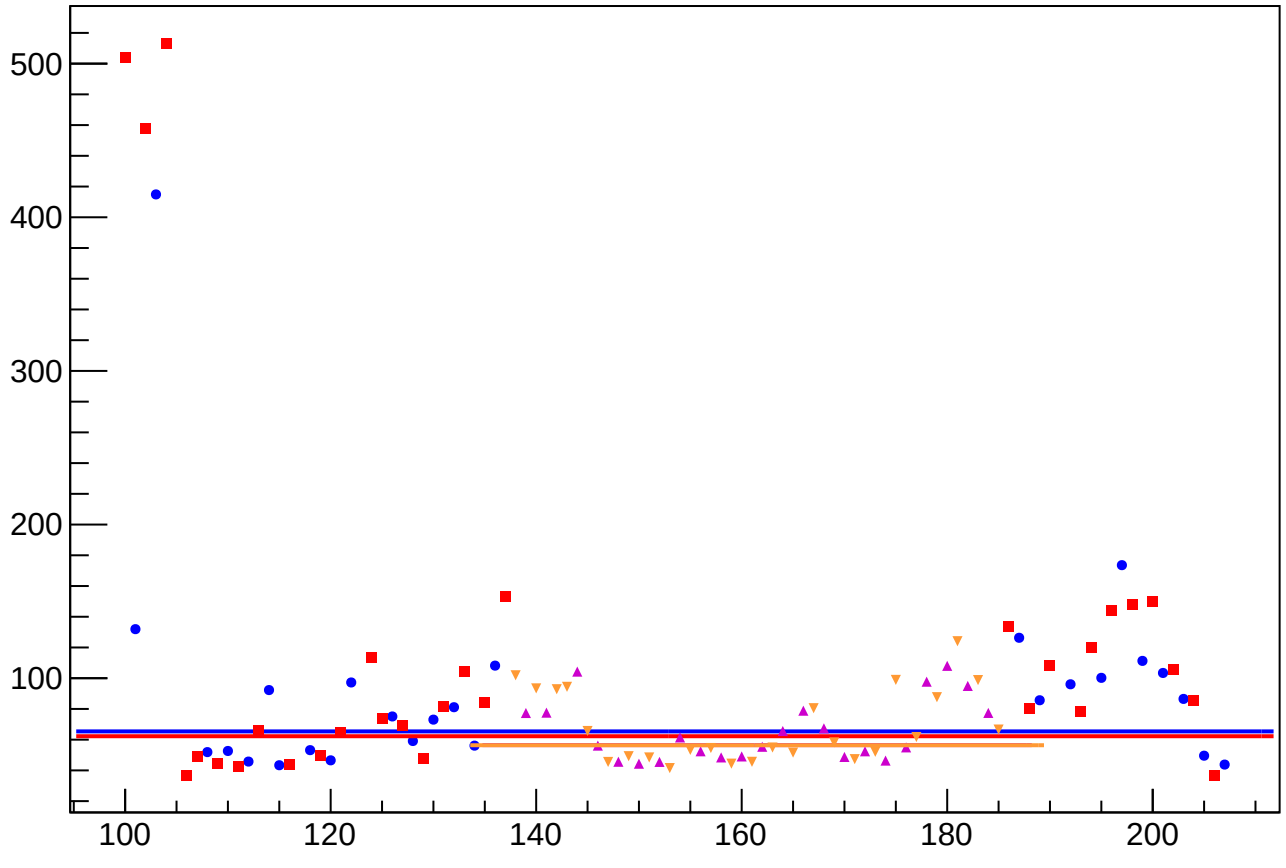
Right In: 0.023+/-0.020 χ²/NDF: 27.7/25
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.017+/-0.019 χ²/NDF: 39.0/29
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.002+/-0.014 χ²/NDF: 68.7/55
In: -0.003+/-0.012 χ²/NDF:60.9/48
Out: -0.014+/-0.011 χ²/NDF:60.8/54
All: -0.009+/-0.008 χ²/NDF: 122.1/103



Right In: 65.383+/-0.014 χ^2/NDF: 4006697.7/25

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

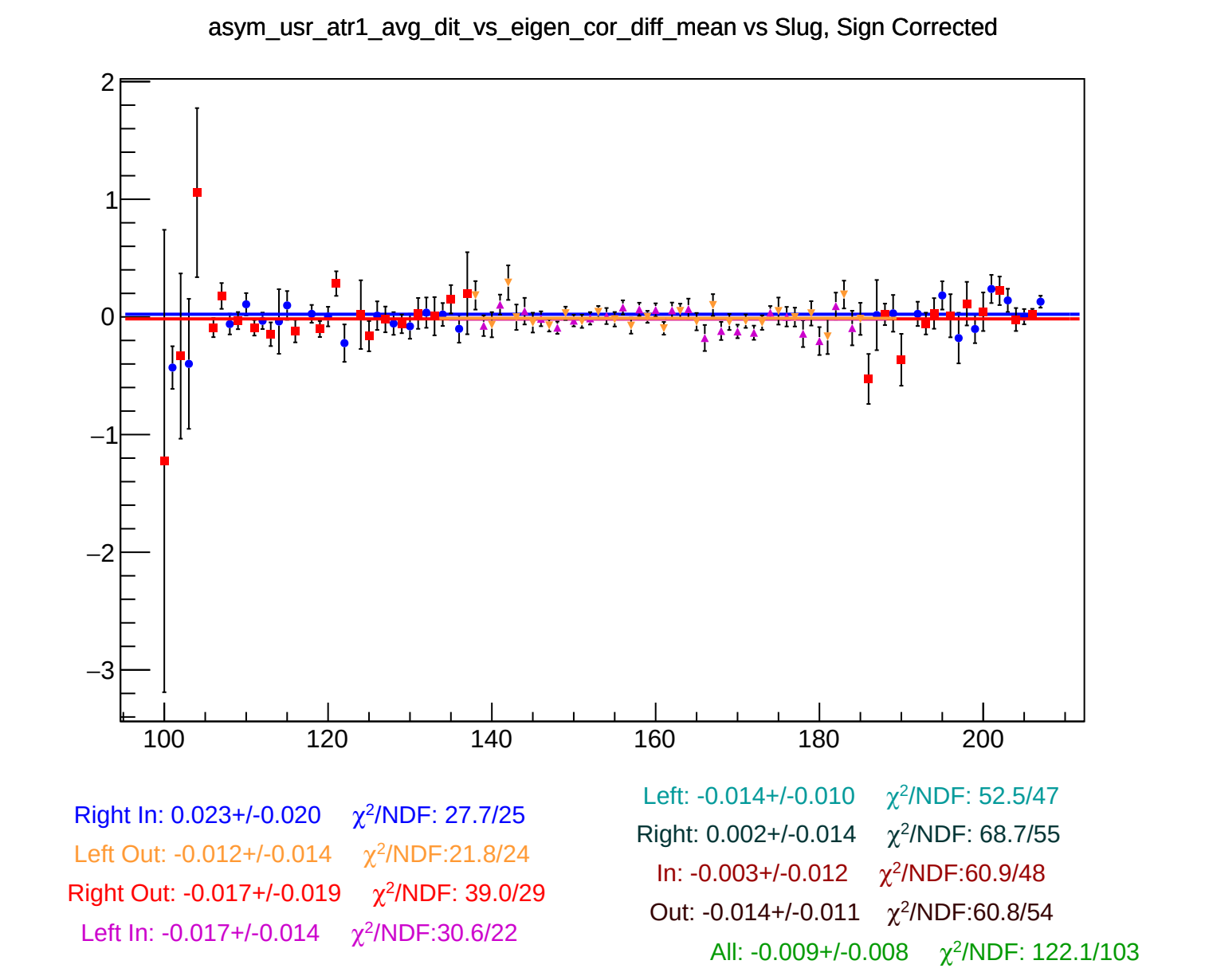
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 63.736+/-0.010 χ^2/NDF: 10042575.3/55

In: 59.553+/-0.008 χ^2/NDF:6409016.7/48

Out: 58.498+/-0.008 χ^2/NDF:8928556.3/54

All: 59.012+/-0.006 χ^2/NDF: 15345886.7/103


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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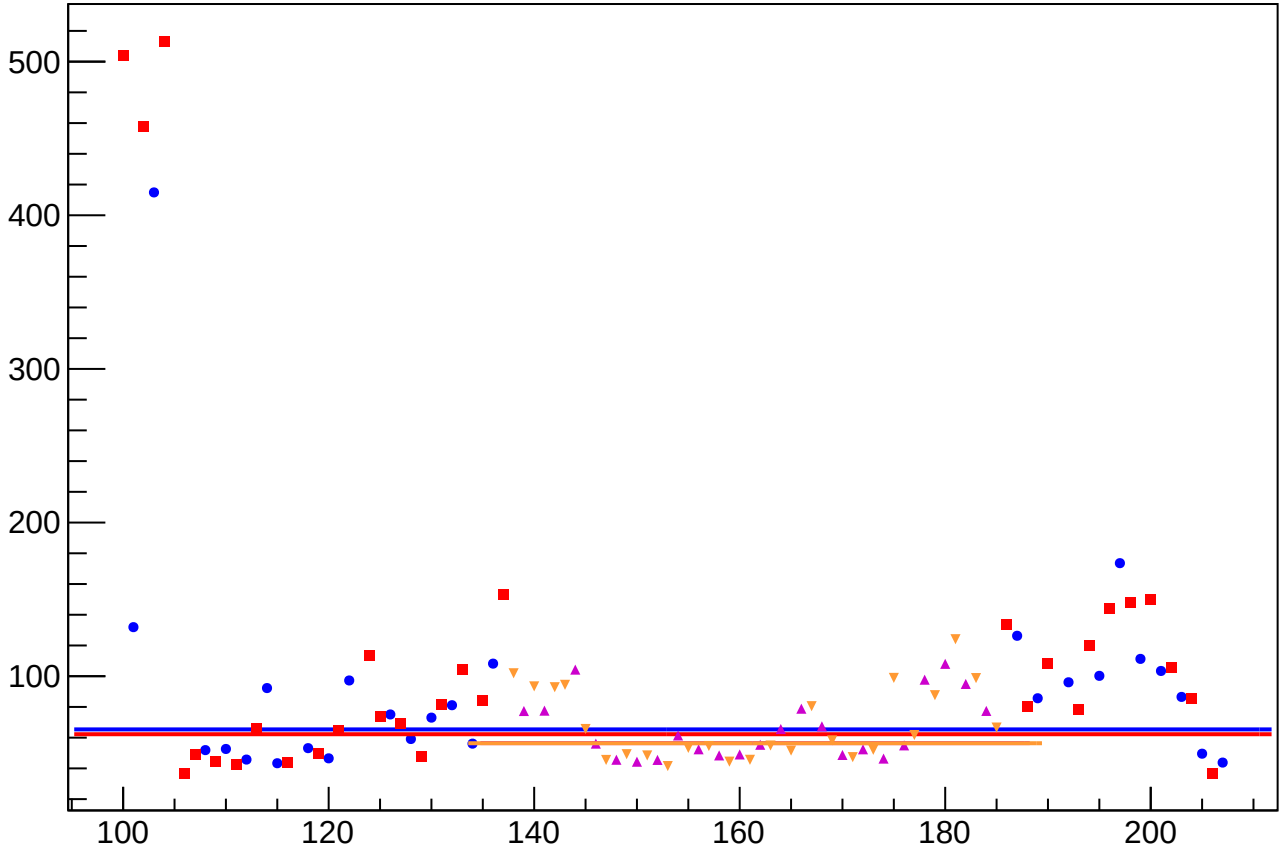
Right In: 0.023+/-0.020 χ²/NDF: 27.7/25
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.017+/-0.019 χ²/NDF: 39.0/29
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.002+/-0.014 χ²/NDF: 68.7/55
In: -0.003+/-0.012 χ²/NDF:60.9/48
Out: -0.014+/-0.011 χ²/NDF:60.8/54
All: -0.009+/-0.008 χ²/NDF: 122.1/103

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.383+/-0.014 χ^2/NDF: 4006697.7/25

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

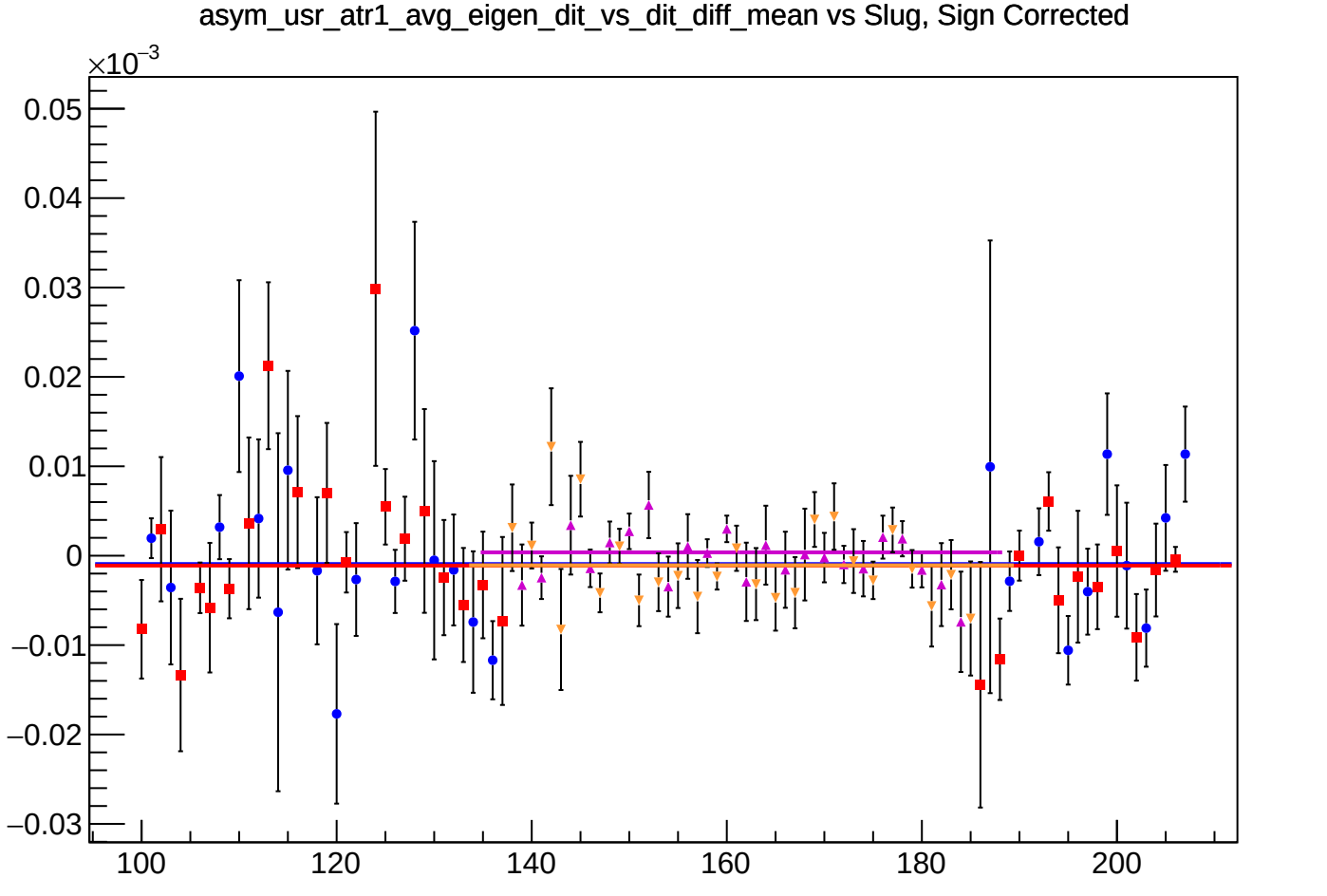
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 63.736+/-0.010 χ^2/NDF: 10042575.3/55

In: 59.553+/-0.008 χ^2/NDF:6409016.7/48

Out: 58.498+/-0.008 χ^2/NDF:8928556.3/54

All: 59.012+/-0.006 χ^2/NDF: 15345886.7/103


asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.05
0.04
0.03
0.02
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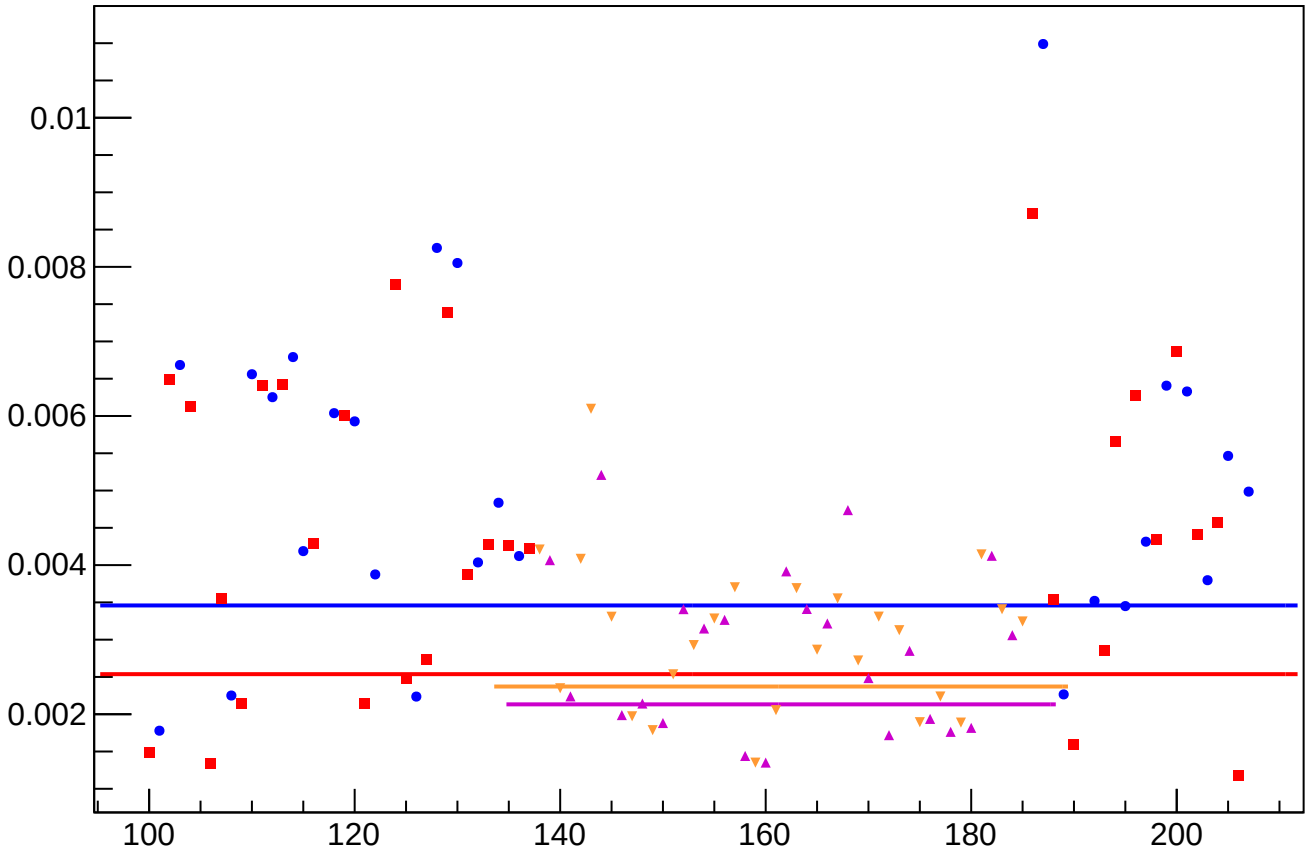
Right In: -0.000+/-0.000 χ²/NDF: 42.6/25
Left Out: -0.000+/-0.000 χ²/NDF:31.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.4/29
Left In: 0.000+/-0.000 χ²/NDF:17.5/22
Left: -0.000+/-0.000 χ²/NDF: 52.4/47
Right: -0.000+/-0.000 χ²/NDF: 78.0/55
In: 0.000+/-0.000 χ²/NDF:61.4/48
Out: -0.000+/-0.000 χ²/NDF:67.0/54
All: -0.000+/-0.000 χ²/NDF: 131.4/103



Right In: 0.003+/-0.000 χ^2/NDF: 5033904.4/25

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8817709.8/29

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

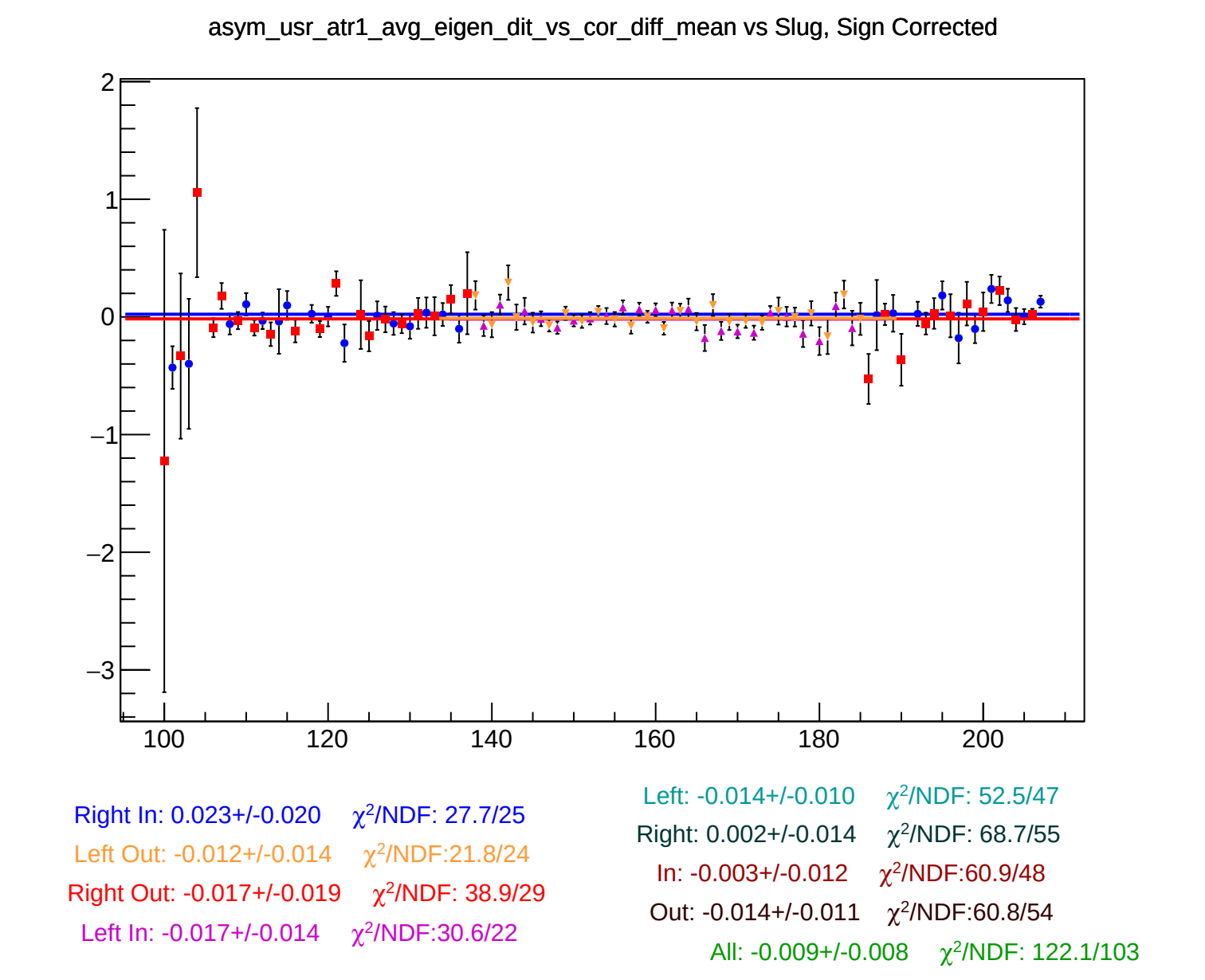
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 14900657.7/55

In: 0.002+/-0.000 χ^2/NDF:12282033.4/48

Out: 0.002+/-0.000 χ^2/NDF:13036517.1/54

All: 0.002+/-0.000 χ^2/NDF: 25318554.2/103


asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
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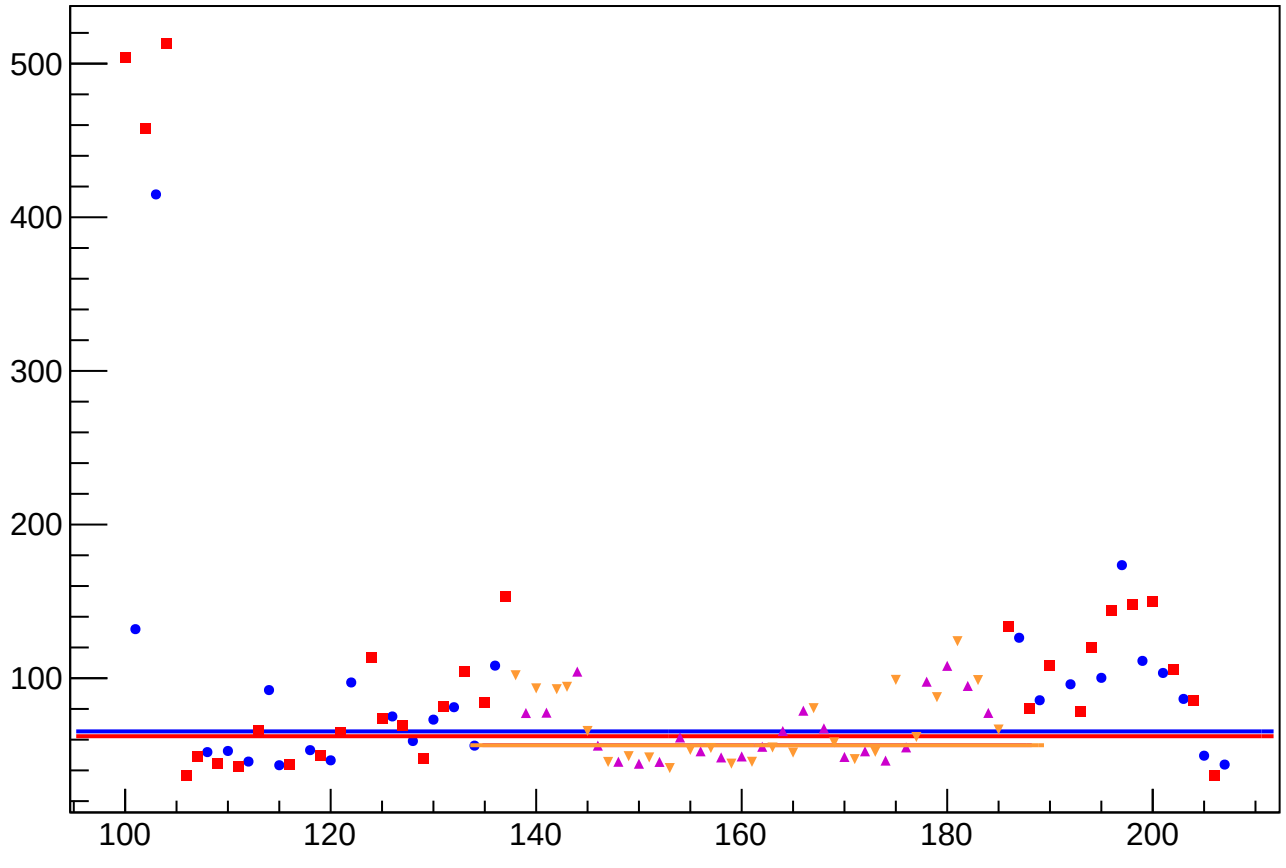
Right In: 0.023+/-0.020 χ²/NDF: 27.7/25
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.017+/-0.019 χ²/NDF: 38.9/29
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.002+/-0.014 χ²/NDF: 68.7/55
In: -0.003+/-0.012 χ²/NDF:60.9/48
Out: -0.014+/-0.011 χ²/NDF:60.8/54
All: -0.009+/-0.008 χ²/NDF: 122.1/103



Right In: 65.383+/-0.014 χ^2/NDF: 4006641.3/25

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

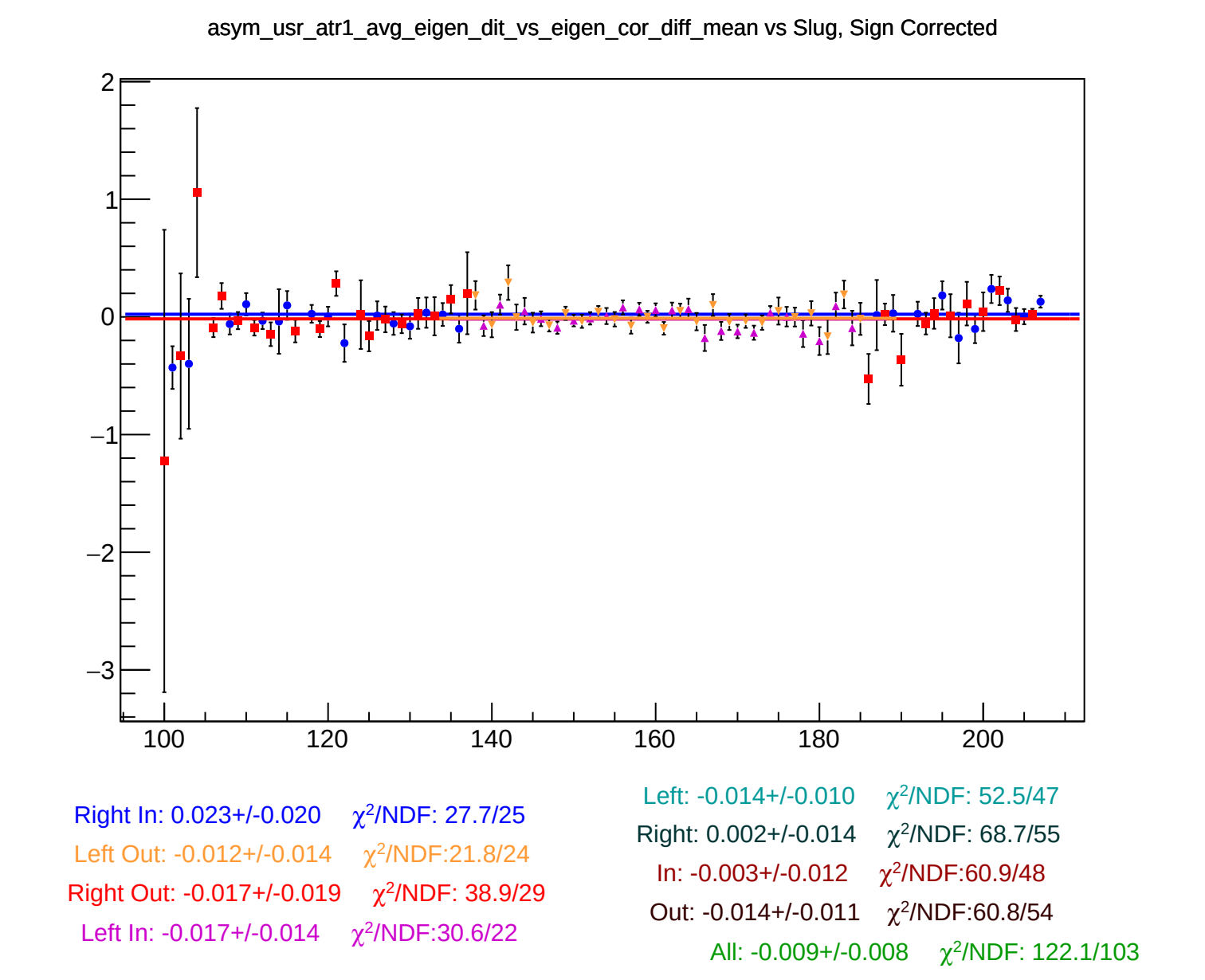
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 63.736+/-0.010 χ^2/NDF: 10042554.5/55

In: 59.553+/-0.008 χ^2/NDF:6408919.0/48

Out: 58.498+/-0.008 χ^2/NDF:8928629.3/54

All: 59.012+/-0.006 χ^2/NDF: 15345862.9/103


asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
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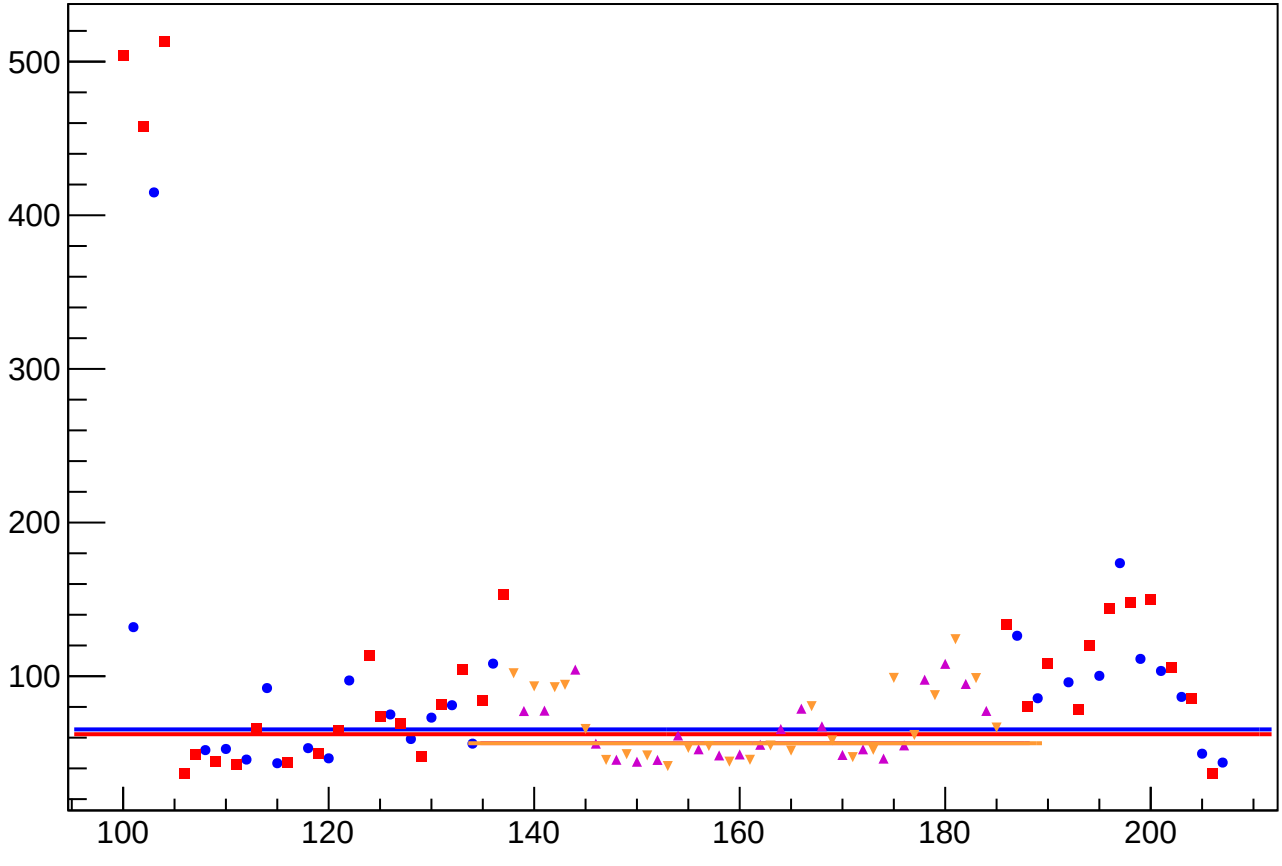
140
160
180
200
Right In: 0.023+/-0.020 χ²/NDF: 27.7/25
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.017+/-0.019 χ²/NDF: 38.9/29
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: 0.002+/-0.014 χ²/NDF: 68.7/55
In: -0.003+/-0.012 χ²/NDF:60.9/48
Out: -0.014+/-0.011 χ²/NDF:60.8/54
All: -0.009+/-0.008 χ²/NDF: 122.1/103

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 65.383+/-0.014 χ^2/NDF: 4006641.3/25

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

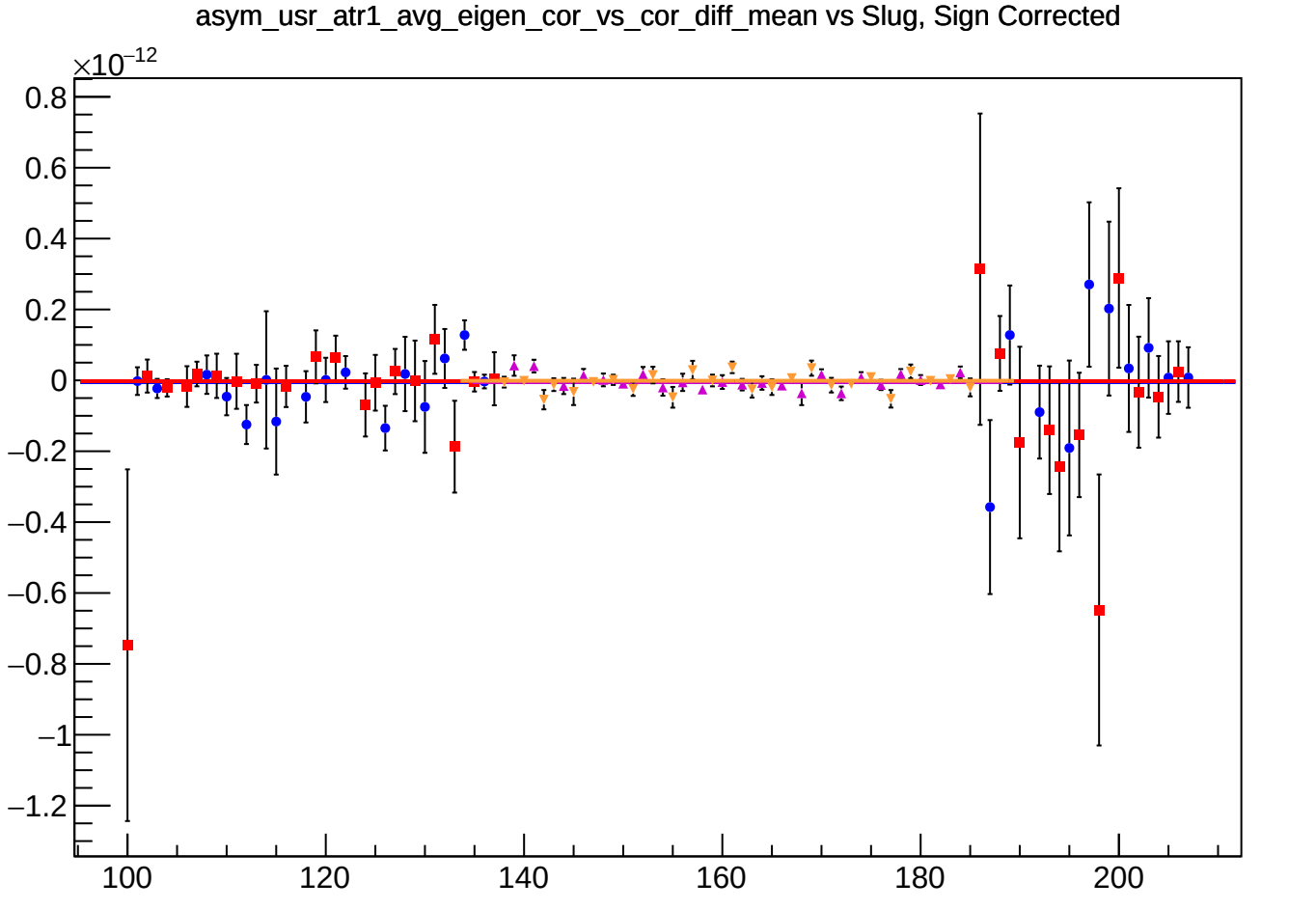
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 63.736+/-0.010 χ^2/NDF: 10042554.5/55

In: 59.553+/-0.008 χ^2/NDF:6408919.0/48

Out: 58.498+/-0.008 χ^2/NDF:8928629.3/54

All: 59.012+/-0.006 χ^2/NDF: 15345862.9/103



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/25

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

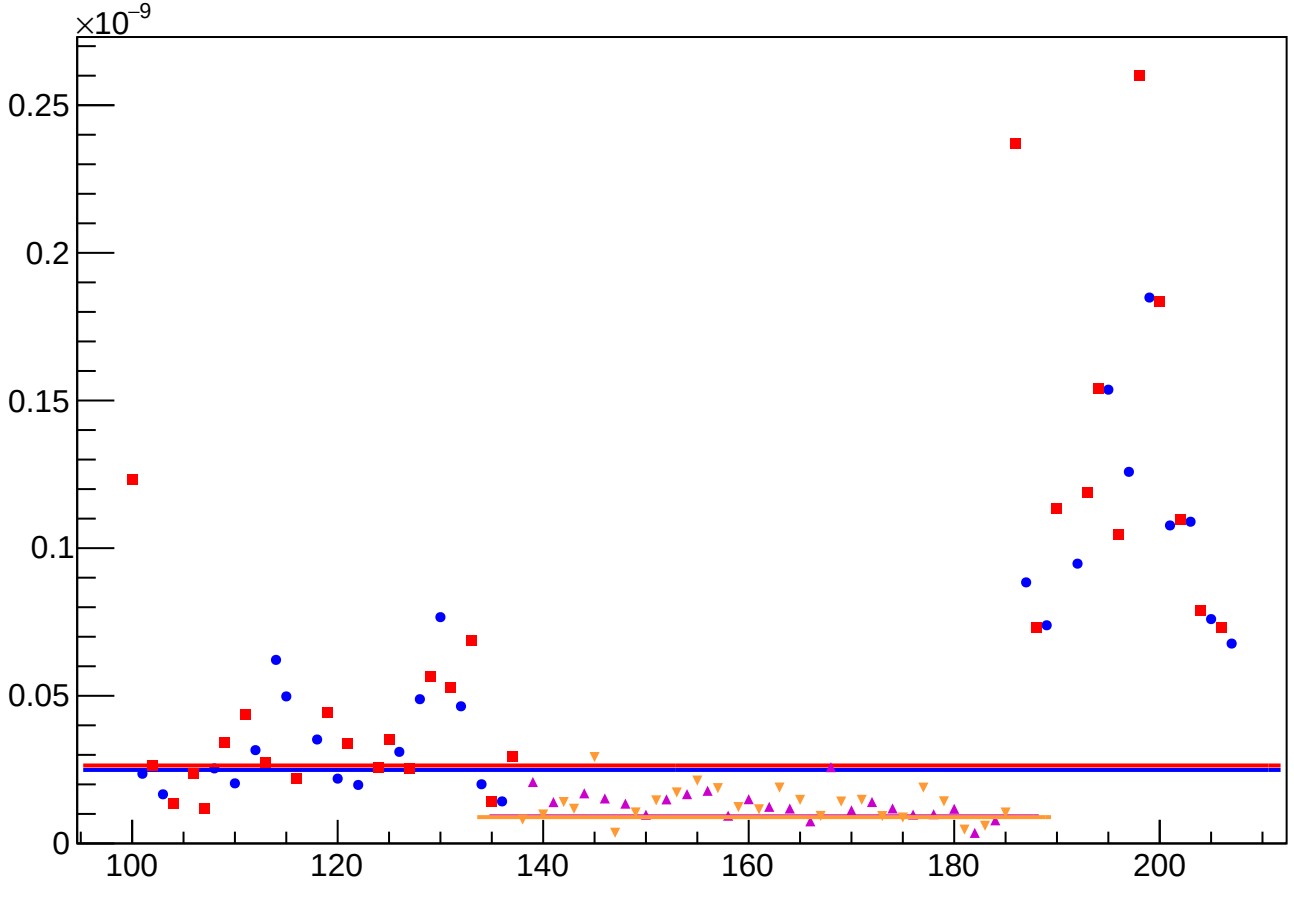
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.3/55

In: -0.000+/-0.000 χ^2/NDF:57.6/48

Out: -0.000+/-0.000 χ^2/NDF:47.6/54

All: -0.000+/-0.000 χ^2/NDF: 106.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 6511517.6/25

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

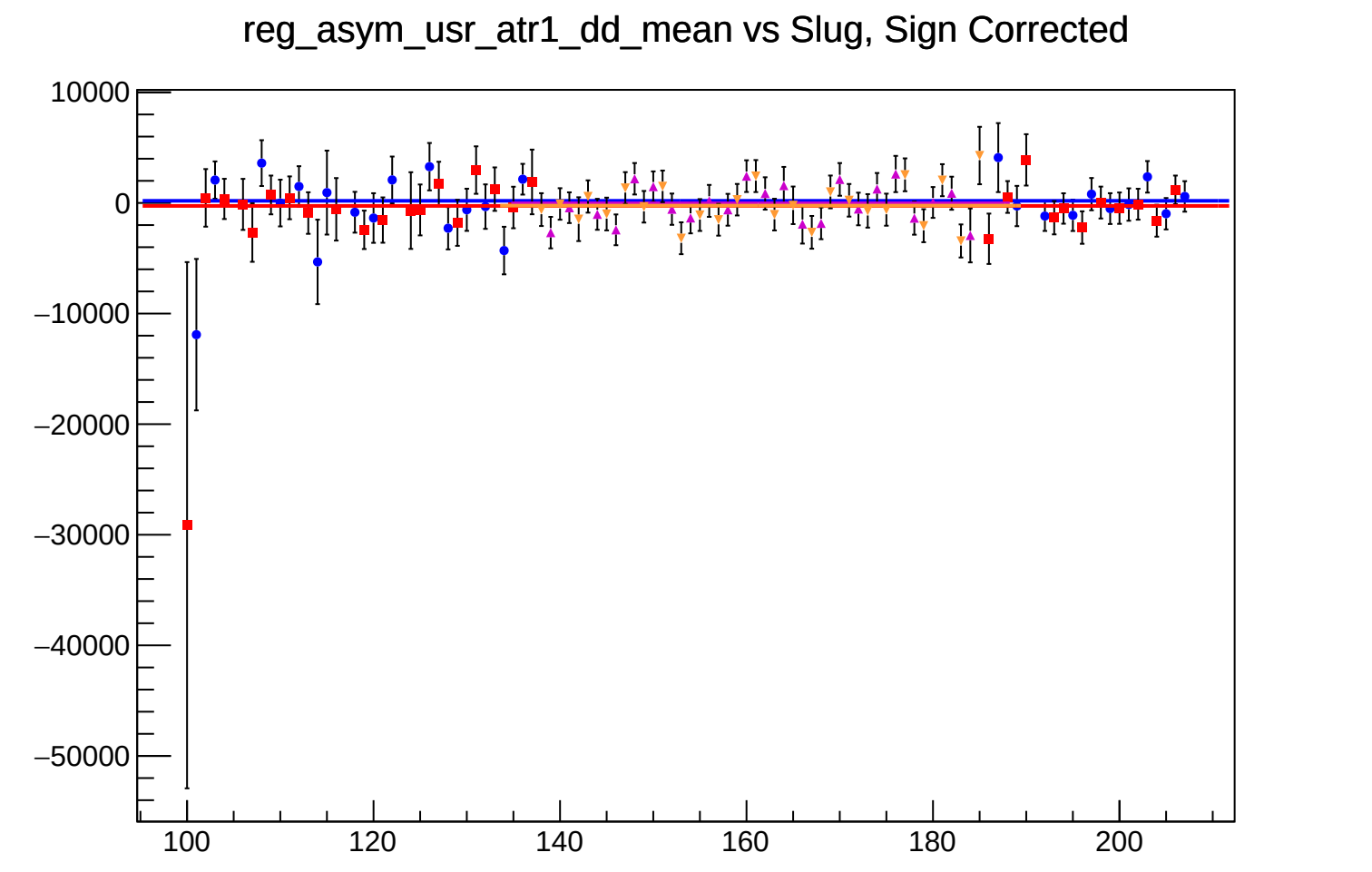
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 14372514.9/55

In: 0.000+/-0.000 χ^2/NDF:15422365.3/48

Out: 0.000+/-0.000 χ^2/NDF:17225281.6/54

All: 0.000+/-0.000 χ^2/NDF: 32659894.6/103



Right In: 193.851+/-350.274 χ^2/NDF: 28.7/25

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -268.555+/-336.074 χ^2/NDF: 19.8/29

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

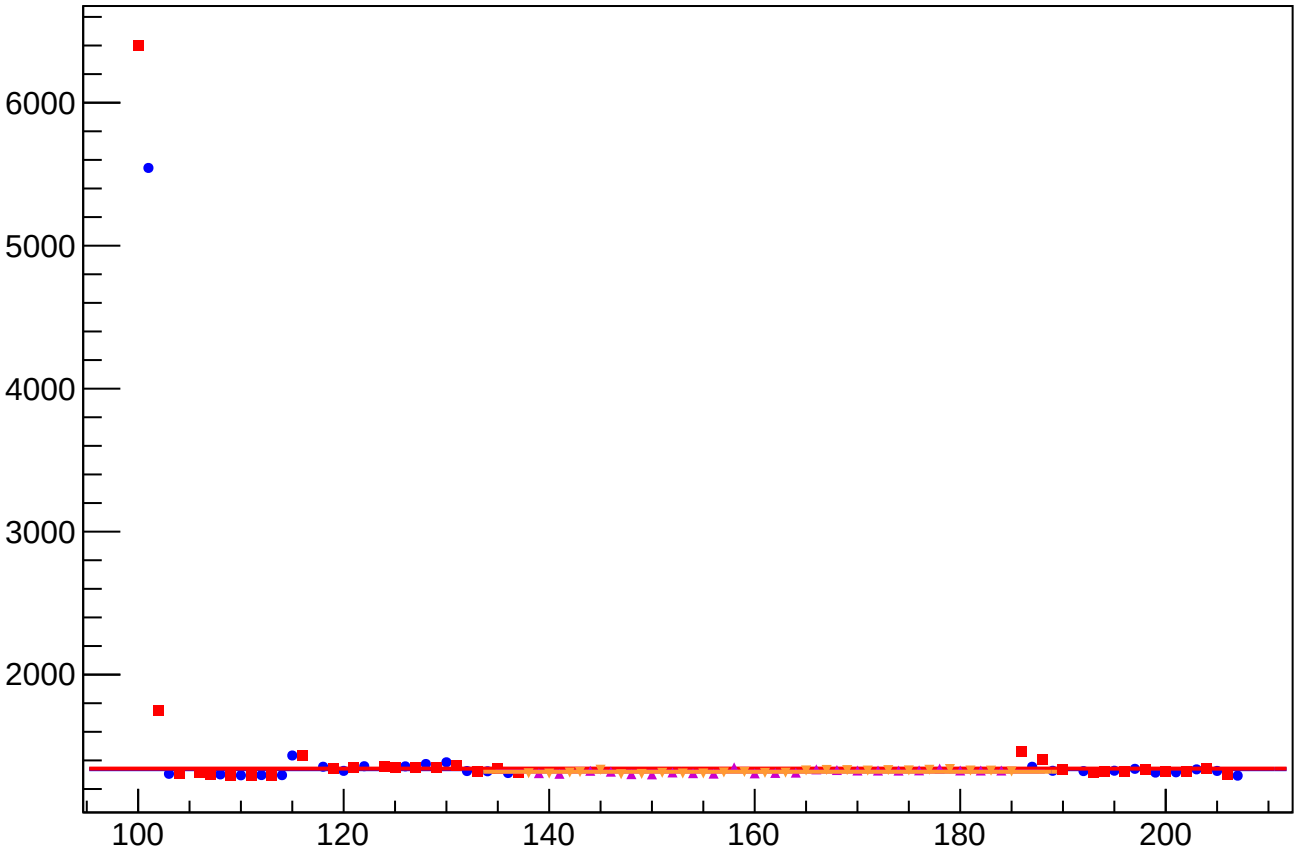
Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

Right: -46.915+/-242.505 χ^2/NDF: 49.4/55

In: 62.695+/-231.562 χ^2/NDF:56.1/48

Out: -253.150+/-223.806 χ^2/NDF:51.5/54

All: -100.605+/-160.927 χ^2/NDF: 108.6/103



Right In: 1338.629+/-0.248 χ^2/NDF: 766415.5/25

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

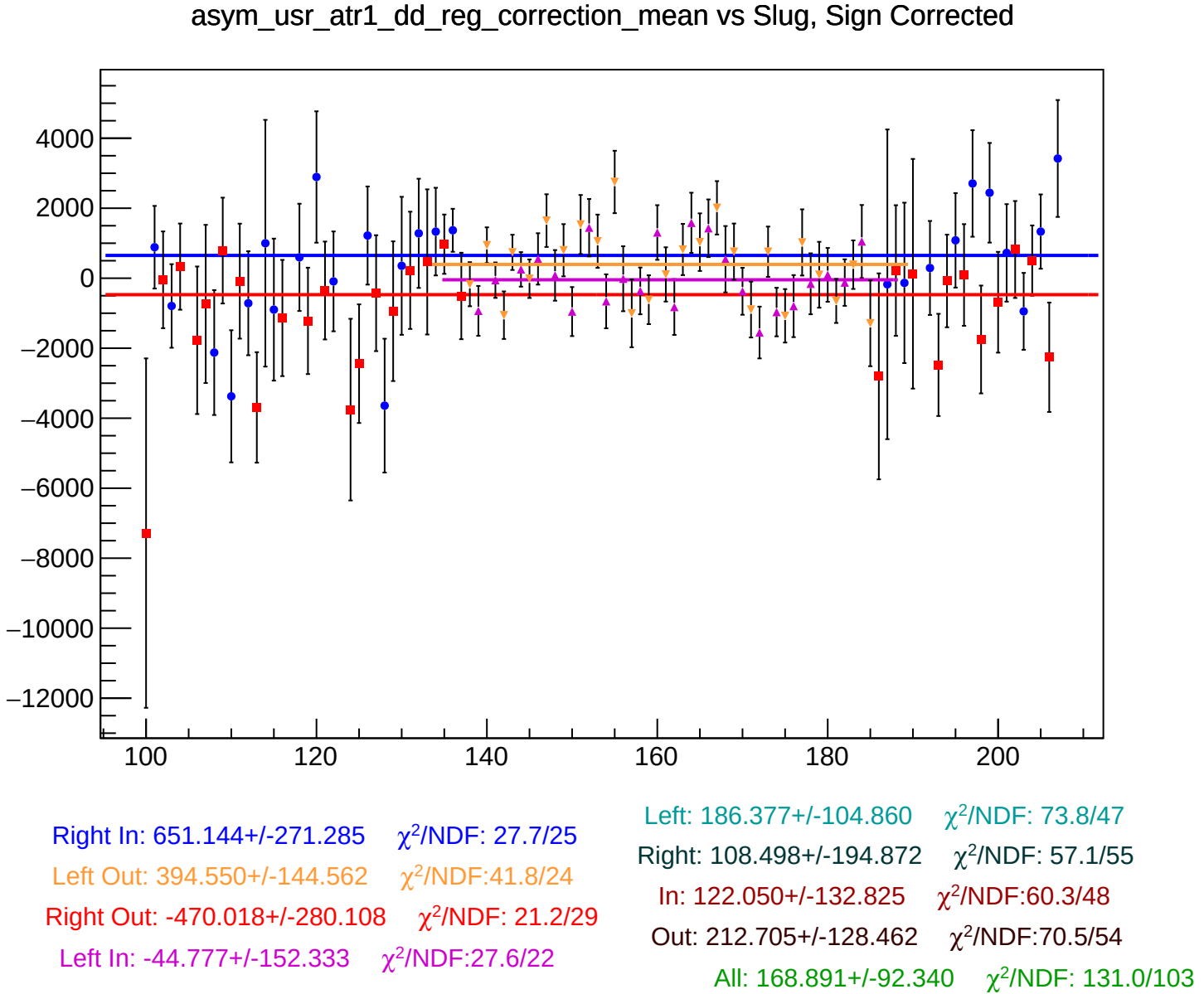
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1340.742+/-0.171 χ^2/NDF: 928144.0/55

In: 1329.145+/-0.164 χ^2/NDF:772573.3/48

Out: 1330.473+/-0.158 χ^2/NDF:168937.6/54

All: 1329.832+/-0.114 χ^2/NDF: 941544.9/103


asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected
4000
2000
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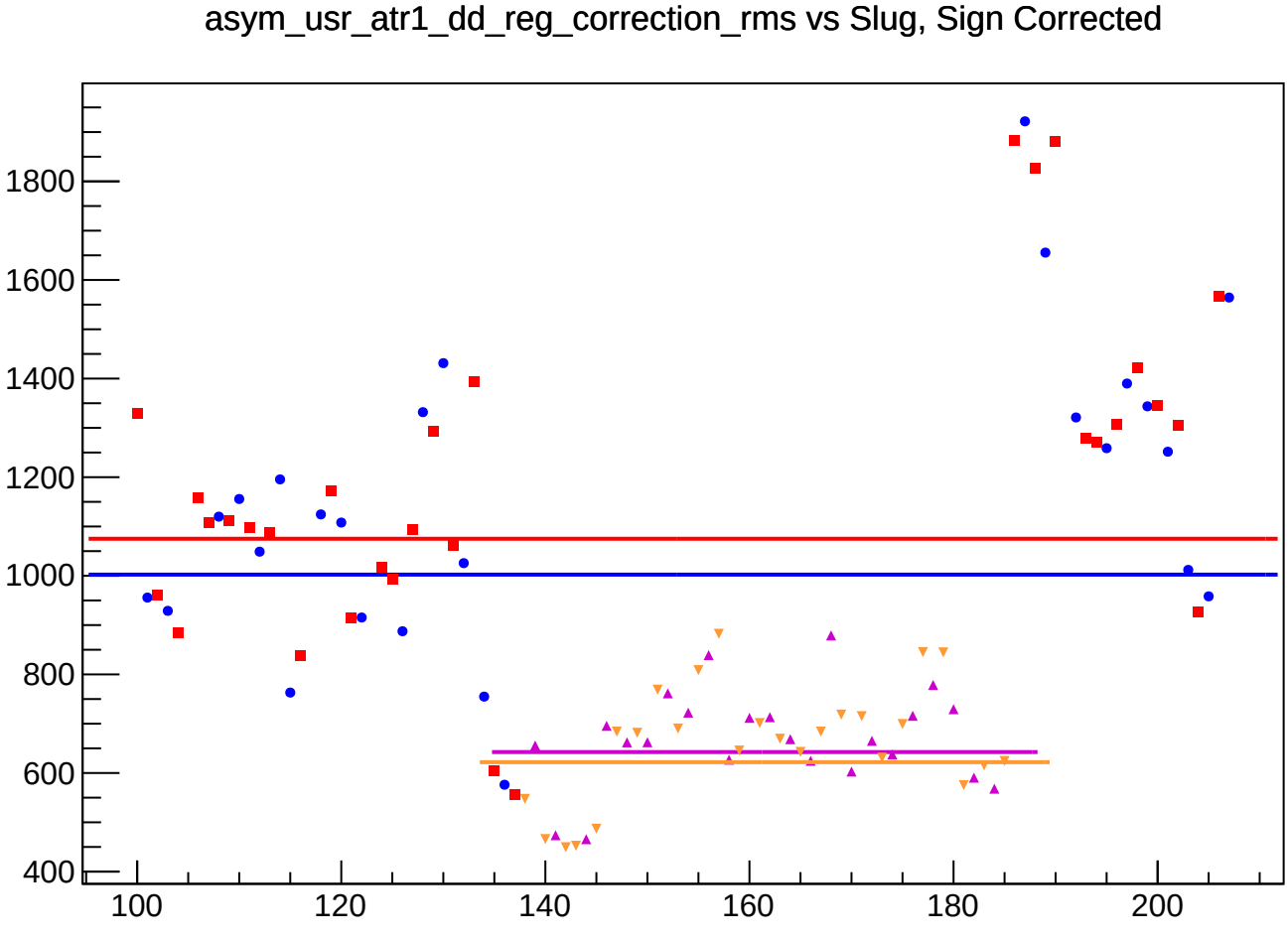
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 651.144+/-271.285 χ²/NDF: 27.7/25
Left Out: 394.550+/-144.562 χ²/NDF:41.8/24
Right Out: -470.018+/-280.108 χ²/NDF: 21.2/29
Left In: -44.777+/-152.333 χ²/NDF:27.6/22
Left: 186.377+/-104.860 χ²/NDF: 73.8/47
Right: 108.498+/-194.872 χ²/NDF: 57.1/55
In: 122.050+/-132.825 χ²/NDF:60.3/48
Out: 212.705+/-128.462 χ²/NDF:70.5/54
All: 168.891+/-92.340 χ²/NDF: 131.0/103



Right In: 1002.387+/-0.192 χ^2/NDF: 2276077.7/25

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

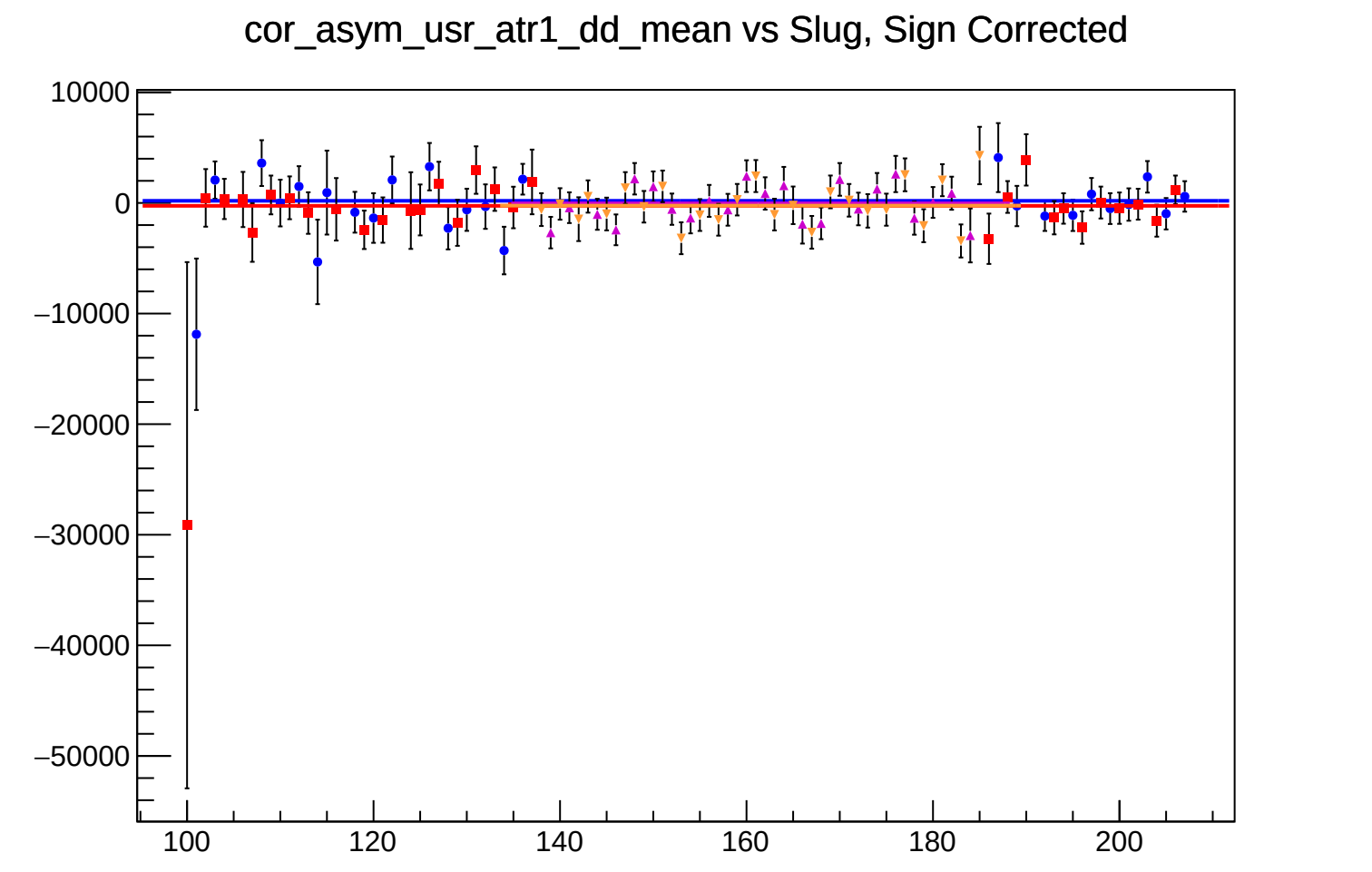
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

Right: 1037.593+/-0.138 χ^2/NDF: 4739586.8/55

In: 728.750+/-0.094 χ^2/NDF:5878839.7/48

Out: 717.267+/-0.091 χ^2/NDF:7911286.3/54

All: 722.817+/-0.065 χ^2/NDF: 13797849.5/10


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
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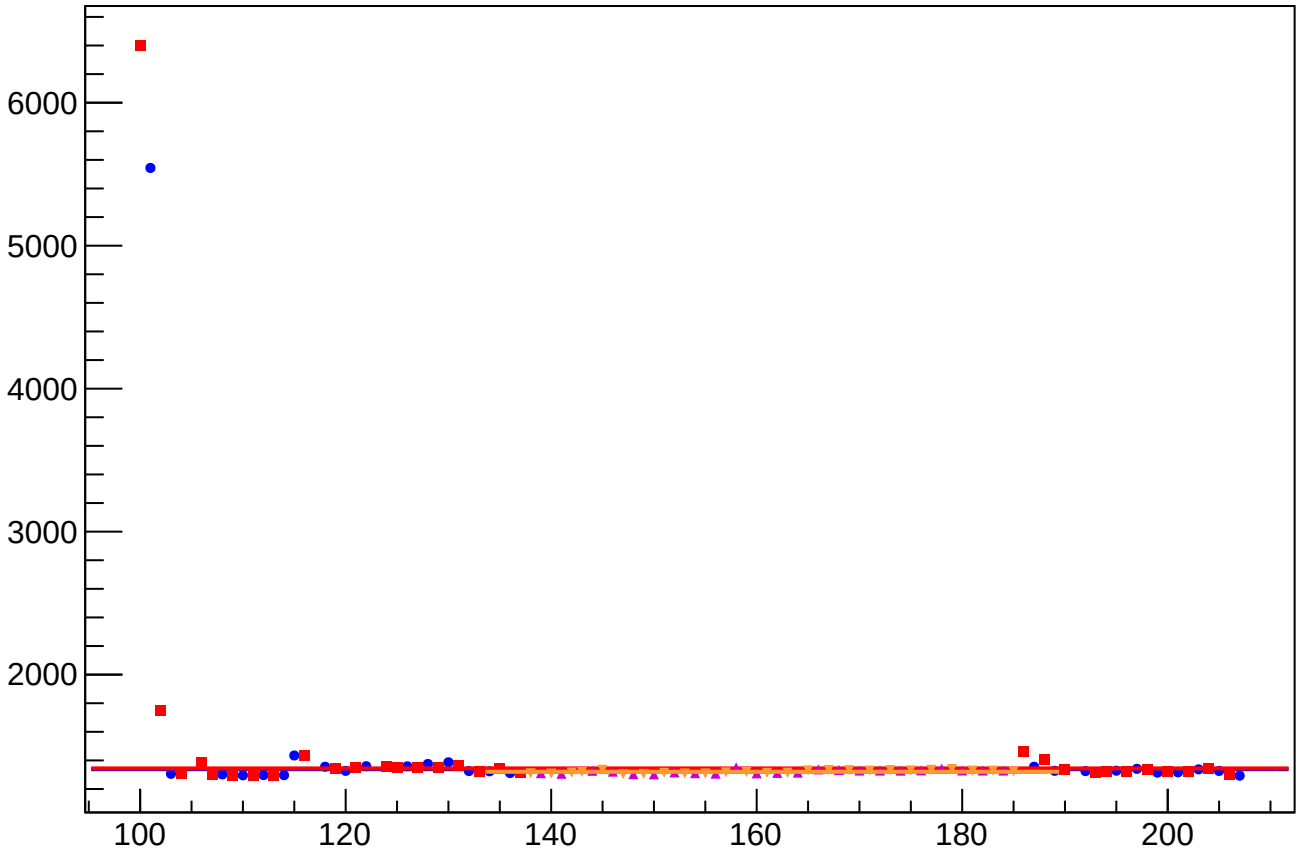
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 193.945+/-350.274 χ²/NDF: 28.7/25
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -261.043+/-336.589 χ²/NDF: 19.8/29
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: -42.610+/-242.698 χ²/NDF: 49.4/55
In: 62.697+/-231.562 χ²/NDF:56.1/48
Out: -249.804+/-223.958 χ²/NDF:51.6/54
All: -98.768+/-160.983 χ²/NDF: 108.6/103



Right In: 1338.629+/-0.248 χ^2/NDF: 766414.5/25

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

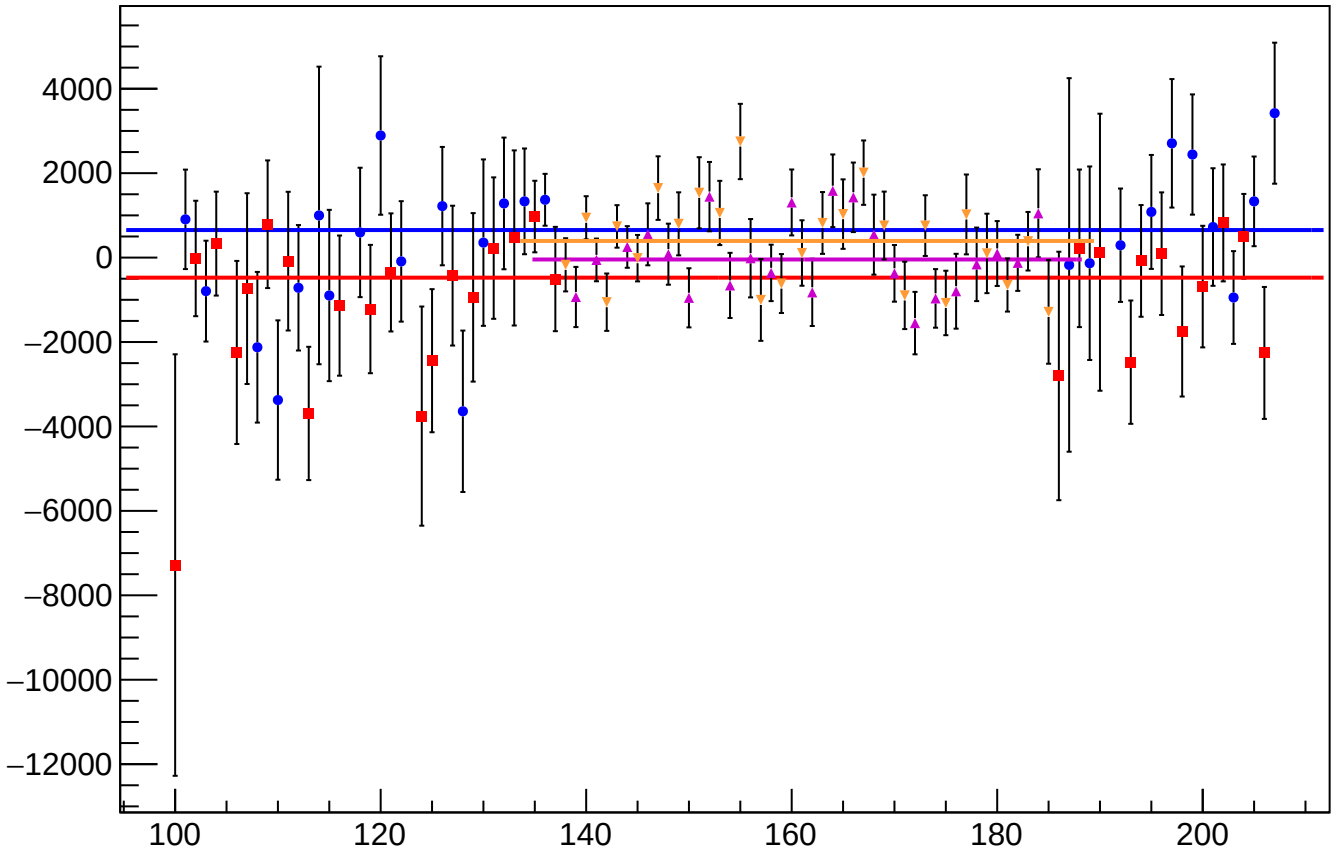
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1341.454+/-0.172 χ^2/NDF: 928664.7/55

In: 1329.145+/-0.164 χ^2/NDF:772572.3/48

Out: 1331.065+/-0.158 χ^2/NDF:169952.9/54

All: 1330.137+/-0.114 χ^2/NDF: 942596.3/103



Right In: 652.246+/-271.256 χ^2/NDF: 27.7/25

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

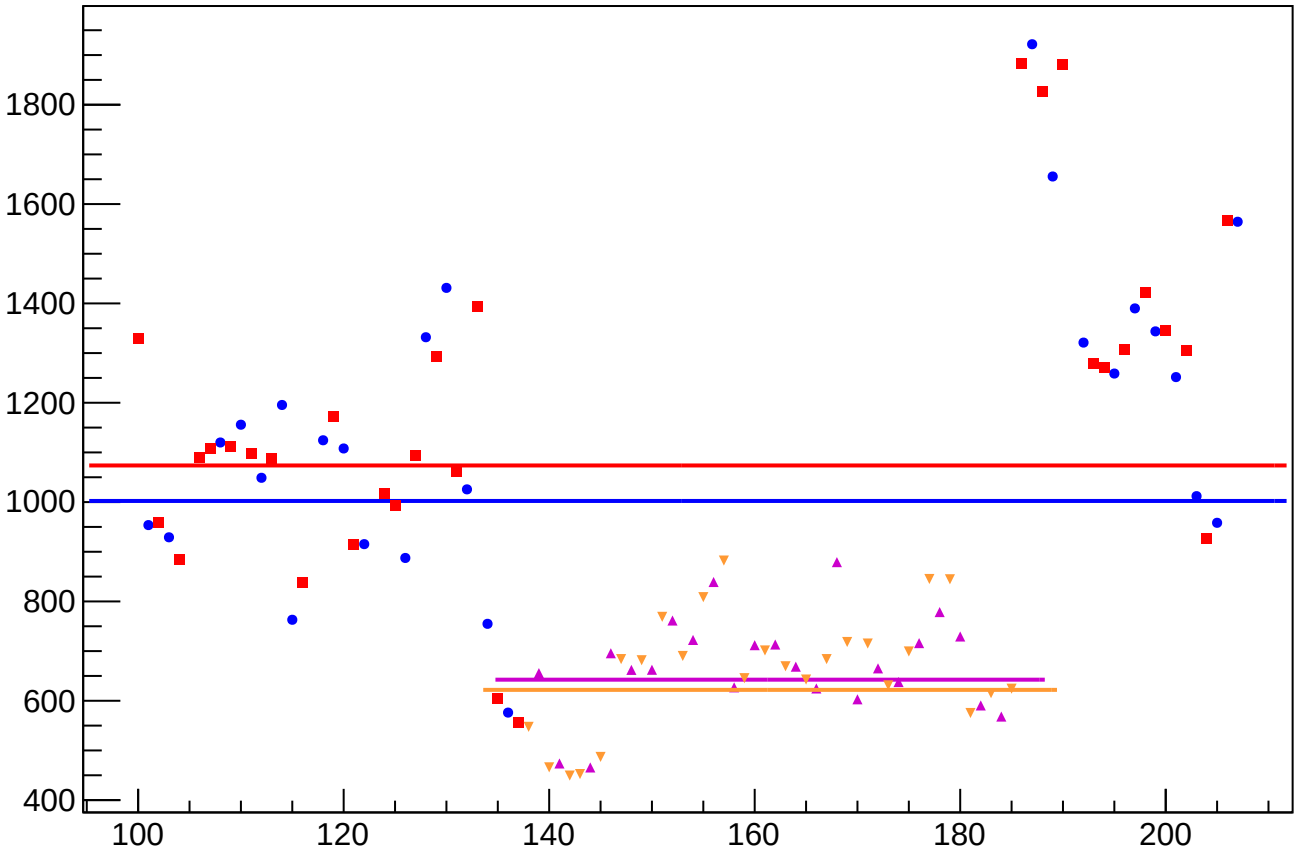
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 106.582+/-194.862 χ^2/NDF: 57.5/55

In: 122.348+/-132.821 χ^2/NDF:60.3/48

Out: 211.578+/-128.463 χ^2/NDF:70.9/54

All: 168.451+/-92.339 χ^2/NDF: 131.4/103



Right In: 1002.280+/-0.192 χ^2/NDF: 2276283.9/25

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

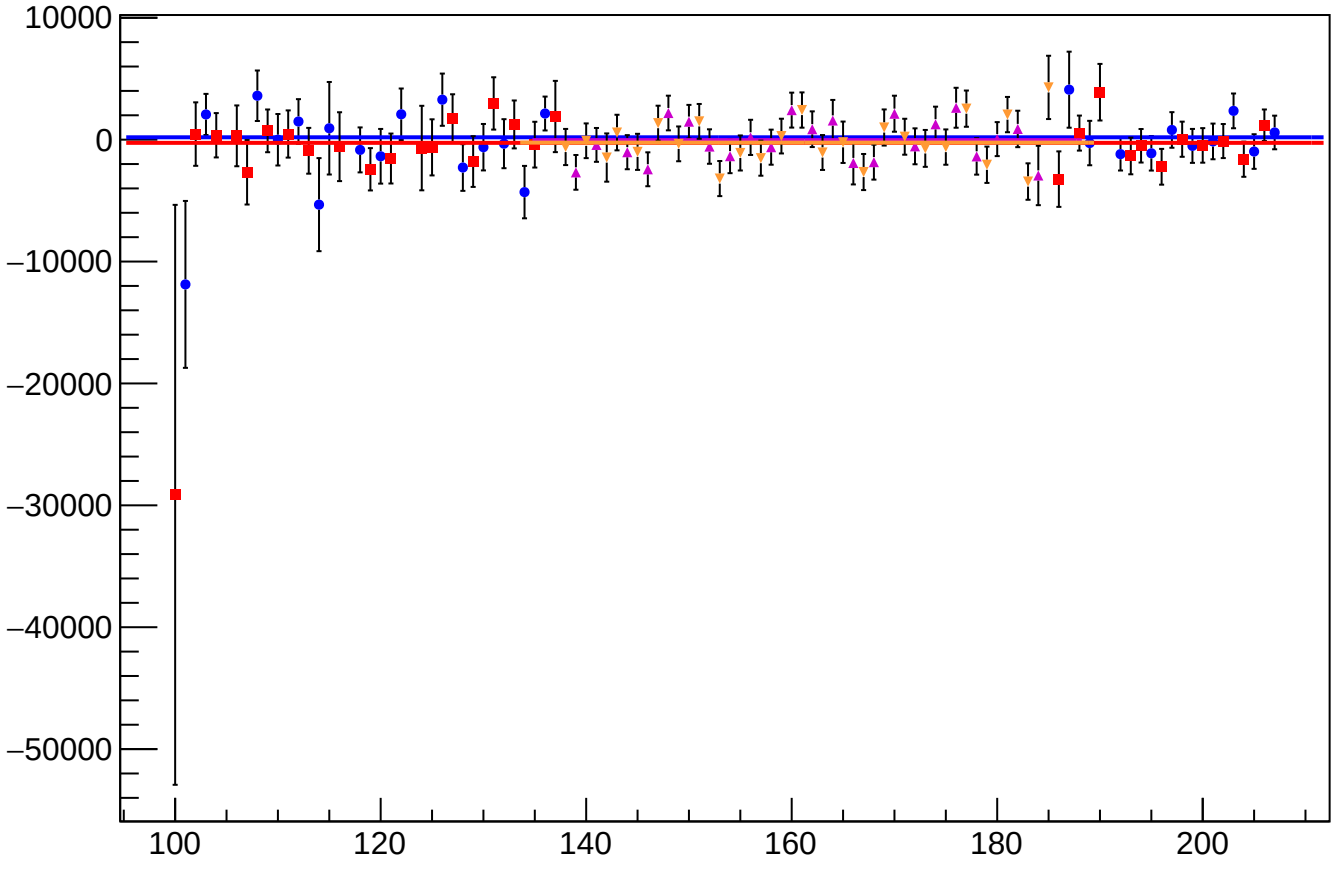
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1036.865+/-0.138 χ^2/NDF: 4735113.7/55

In: 728.734+/-0.094 χ^2/NDF:5878009.7/48

Out: 716.975+/-0.091 χ^2/NDF:7883696.7/54

All: 722.658+/-0.065 χ^2/NDF: 13769805.4/10



Right In: 193.945+/-350.274 χ^2/NDF: 28.7/25

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

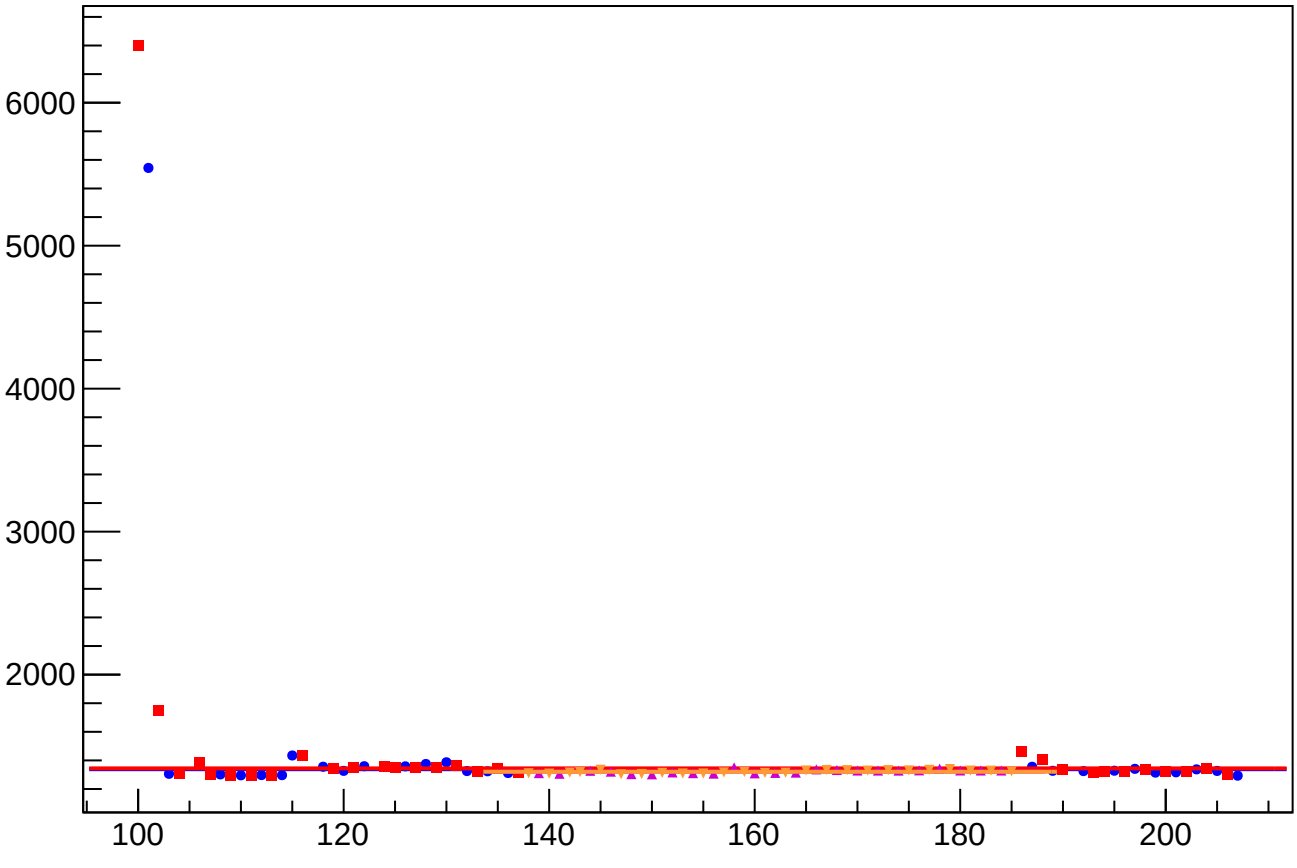
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -42.610+/-242.698 χ^2/NDF: 49.4/55

In: 62.697+/-231.562 χ^2/NDF:56.1/48

Out: -249.804+/-223.958 χ^2/NDF:51.6/54

All: -98.768+/-160.983 χ^2/NDF: 108.6/103



Right In: 1338.629+/-0.248 χ^2/NDF: 766414.5/25

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

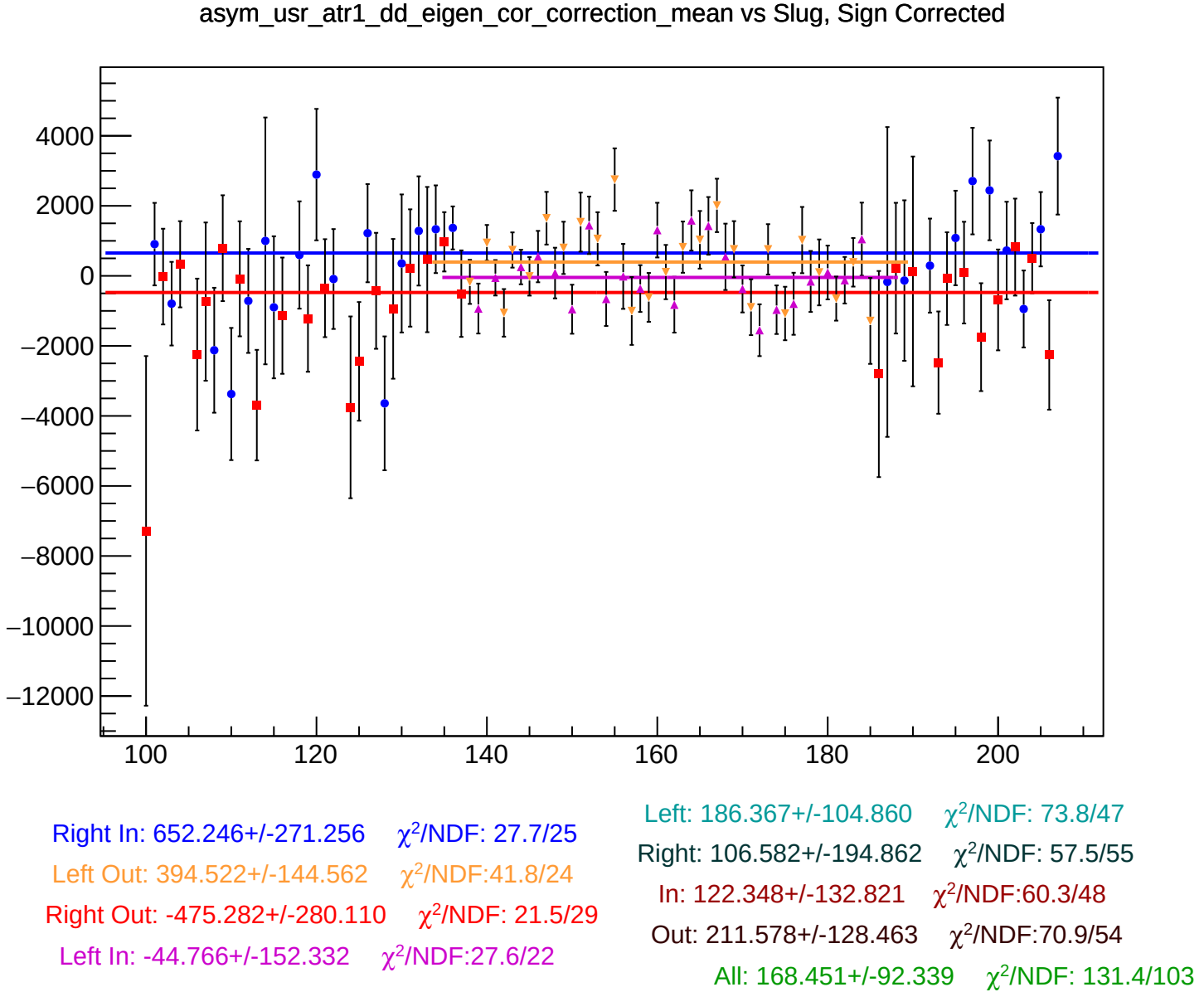
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

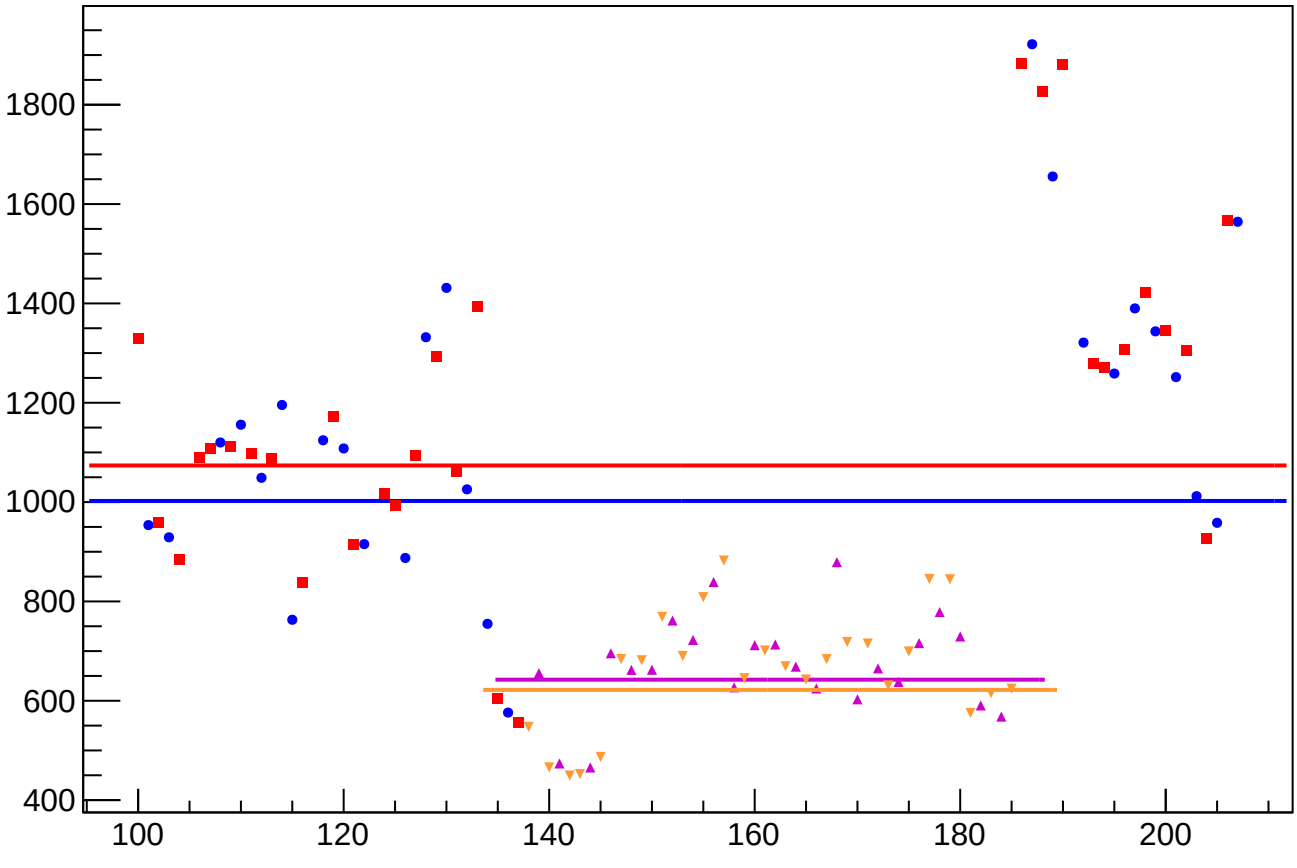
Right: 1341.454+/-0.172 χ^2/NDF: 928664.7/55

In: 1329.145+/-0.164 χ^2/NDF:772572.3/48

Out: 1331.065+/-0.158 χ^2/NDF:169952.9/54

All: 1330.137+/-0.114 χ^2/NDF: 942596.3/103


asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 652.246+/-271.256 χ²/NDF: 27.7/25
Left Out: 394.522+/-144.562 χ²/NDF:41.8/24
Right Out: -475.282+/-280.110 χ²/NDF: 21.5/29
Left In: -44.766+/-152.332 χ²/NDF:27.6/22
Left: 186.367+/-104.860 χ²/NDF: 73.8/47
Right: 106.582+/-194.862 χ²/NDF: 57.5/55
In: 122.348+/-132.821 χ²/NDF:60.3/48
Out: 211.578+/-128.463 χ²/NDF:70.9/54
All: 168.451+/-92.339 χ²/NDF: 131.4/103



Right In: 1002.280+/-0.192 χ^2/NDF: 2276283.9/25

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

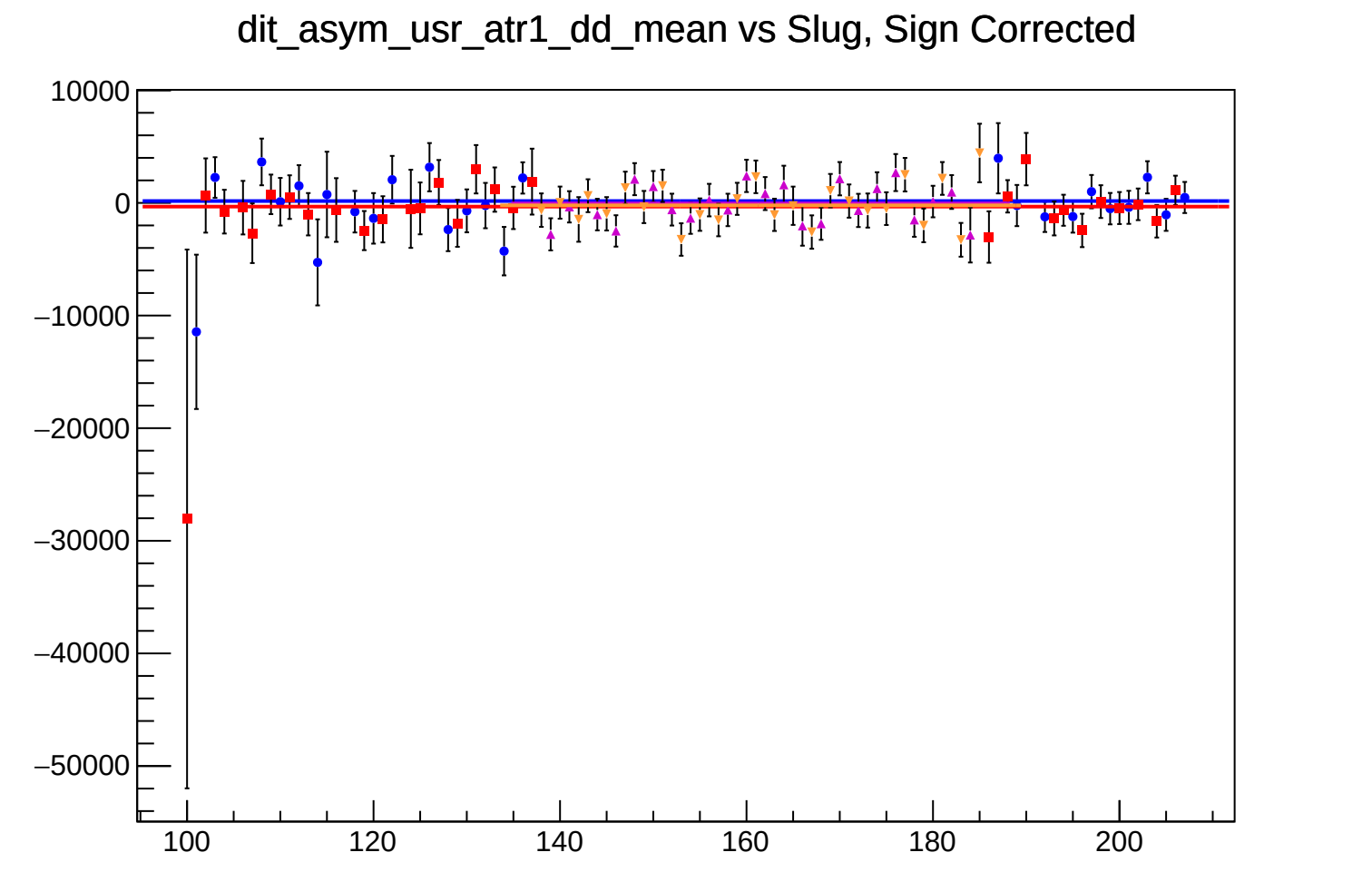
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1036.865+/-0.138 χ^2/NDF: 4735113.7/55

In: 728.734+/-0.094 χ^2/NDF:5878009.7/48

Out: 716.975+/-0.091 χ^2/NDF:7883696.7/54

All: 722.658+/-0.065 χ^2/NDF: 13769805.4/10



Right In: 166.452+/-351.951 χ^2/NDF: 28.8/25

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: -327.595+/-338.911 χ^2/NDF: 19.9/29

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

Left: -134.966+/-215.379 χ^2/NDF: 59.2/47

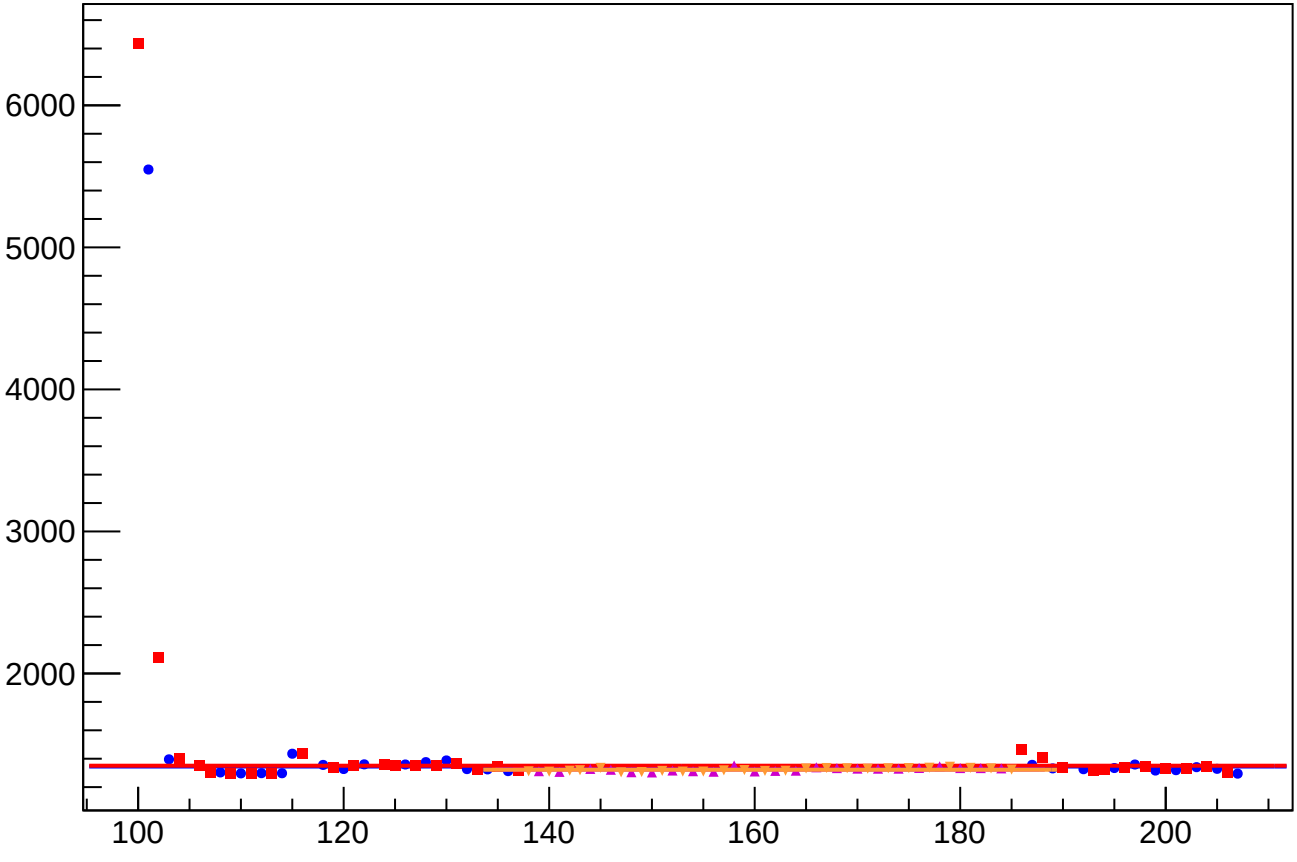
Right: -89.893+/-244.126 χ^2/NDF: 49.7/55

In: 44.077+/-232.199 χ^2/NDF:56.8/48

Out: -264.554+/-224.794 χ^2/NDF:51.2/54

All: -115.238+/-161.508 χ^2/NDF: 108.9/103

dit_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1344.990+/-0.249 χ^2/NDF: 767135.0/25

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

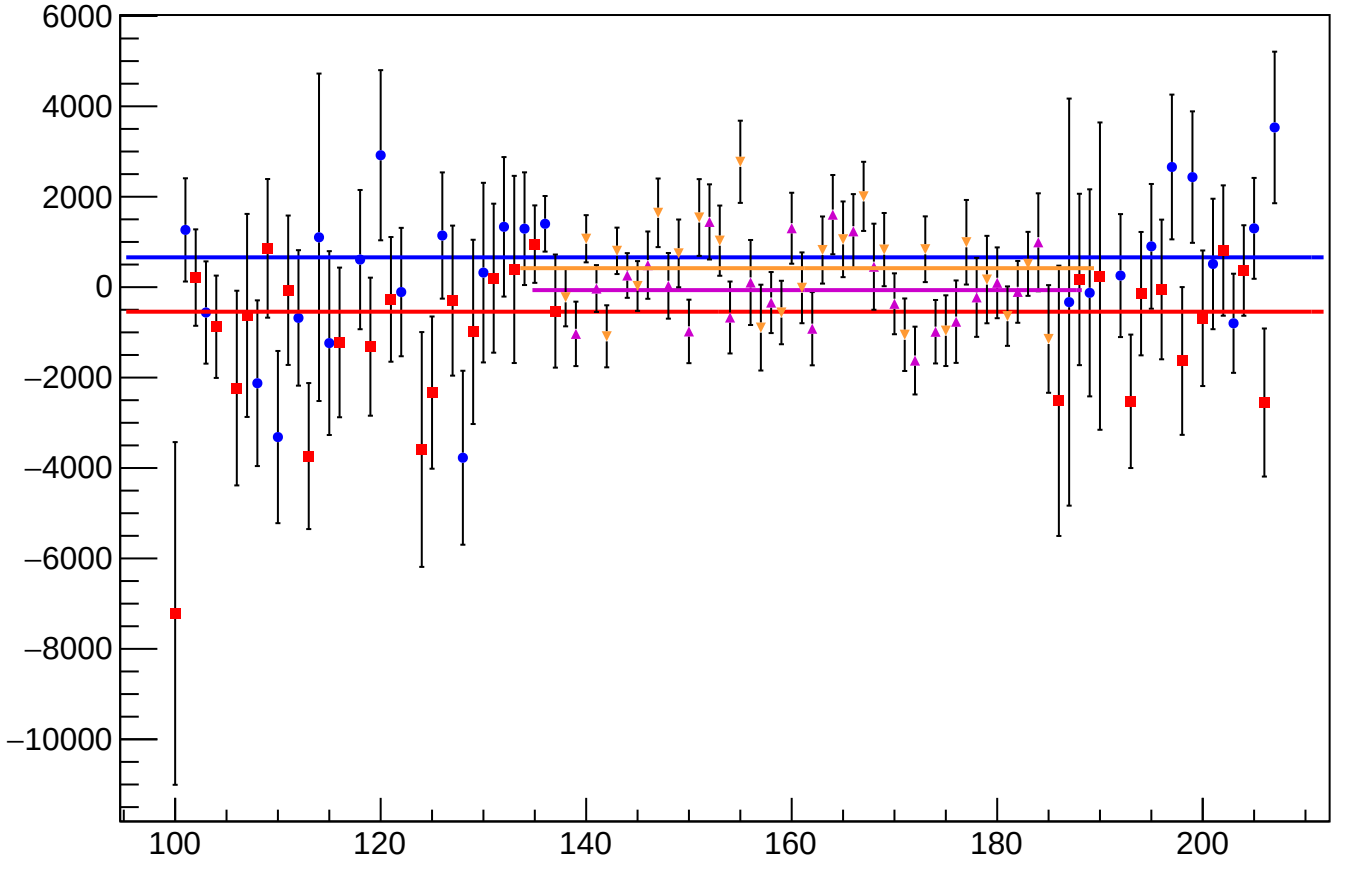
Right: 1347.958+/-0.173 χ^2/NDF: 987246.3/55

In: 1332.762+/-0.164 χ^2/NDF:775266.4/48

Out: 1334.838+/-0.159 χ^2/NDF:230602.3/54

All: 1333.834+/-0.114 χ^2/NDF: 1005951.2/10

asym_usr_atr1_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 659.708+/-272.457 χ^2/NDF: 27.3/25

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

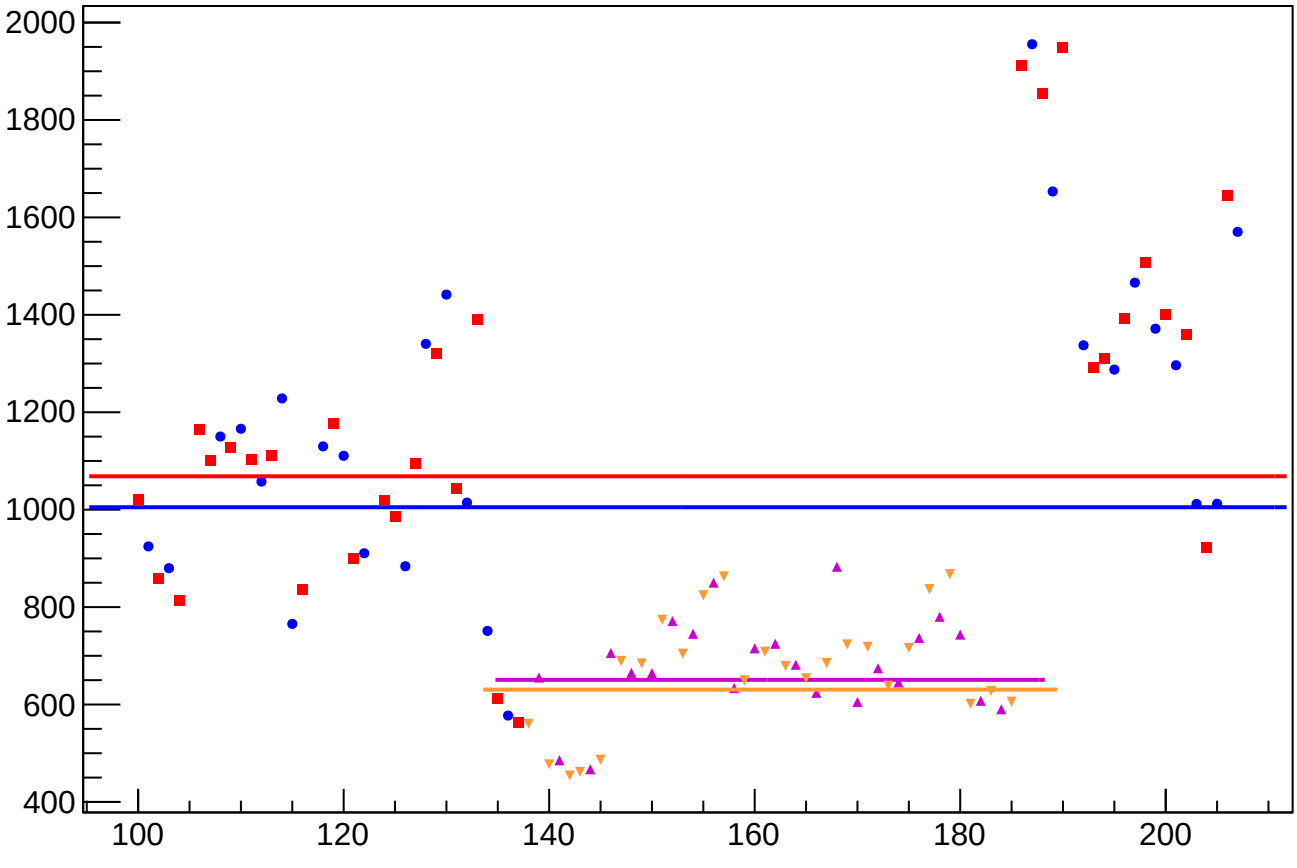
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 71.125+/-194.687 χ^2/NDF: 58.7/55

In: 110.551+/-134.214 χ^2/NDF:59.7/48

Out: 211.116+/-129.590 χ^2/NDF:72.8/54

All: 162.596+/-93.226 χ^2/NDF: 132.8/103



Right In: 1004.983+/-0.193 χ^2/NDF: 2405136.3/25

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

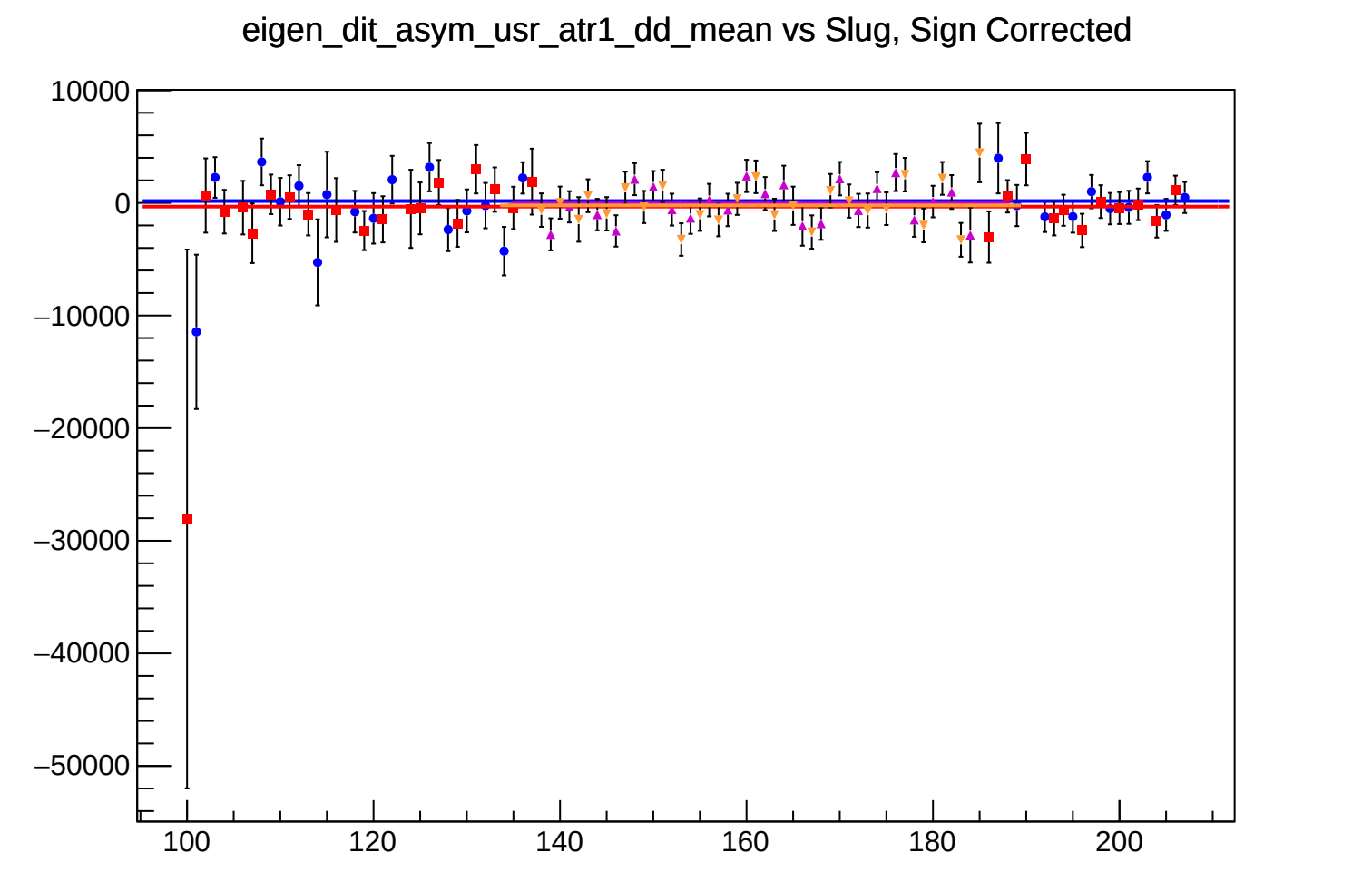
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1036.090+/-0.138 χ^2/NDF: 5157301.7/55

In: 736.623+/-0.095 χ^2/NDF:5889208.5/48

Out: 725.557+/-0.092 χ^2/NDF:7906549.7/54

All: 730.896+/-0.066 χ^2/NDF: 13802793.9/10



Right In: 166.452+/-351.951 χ^2/NDF: 28.8/25

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -327.595+/-338.911 χ^2/NDF: 19.9/29

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

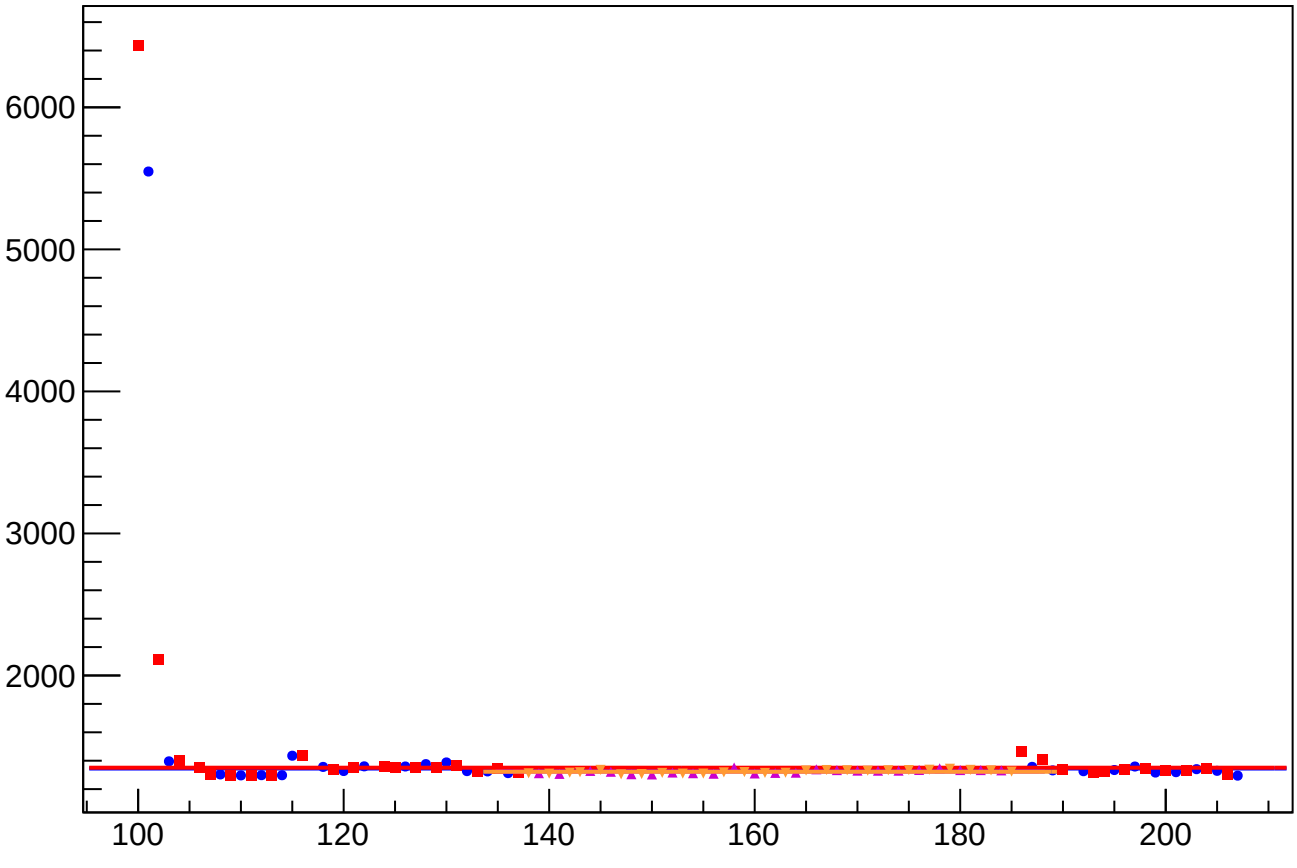
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -89.893+/-244.126 χ^2/NDF: 49.7/55

In: 44.077+/-232.199 χ^2/NDF:56.8/48

Out: -264.555+/-224.794 χ^2/NDF:51.2/54

All: -115.239+/-161.508 χ^2/NDF: 108.9/103



Right In: 1344.990+/-0.249 χ^2/NDF: 767135.0/25

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

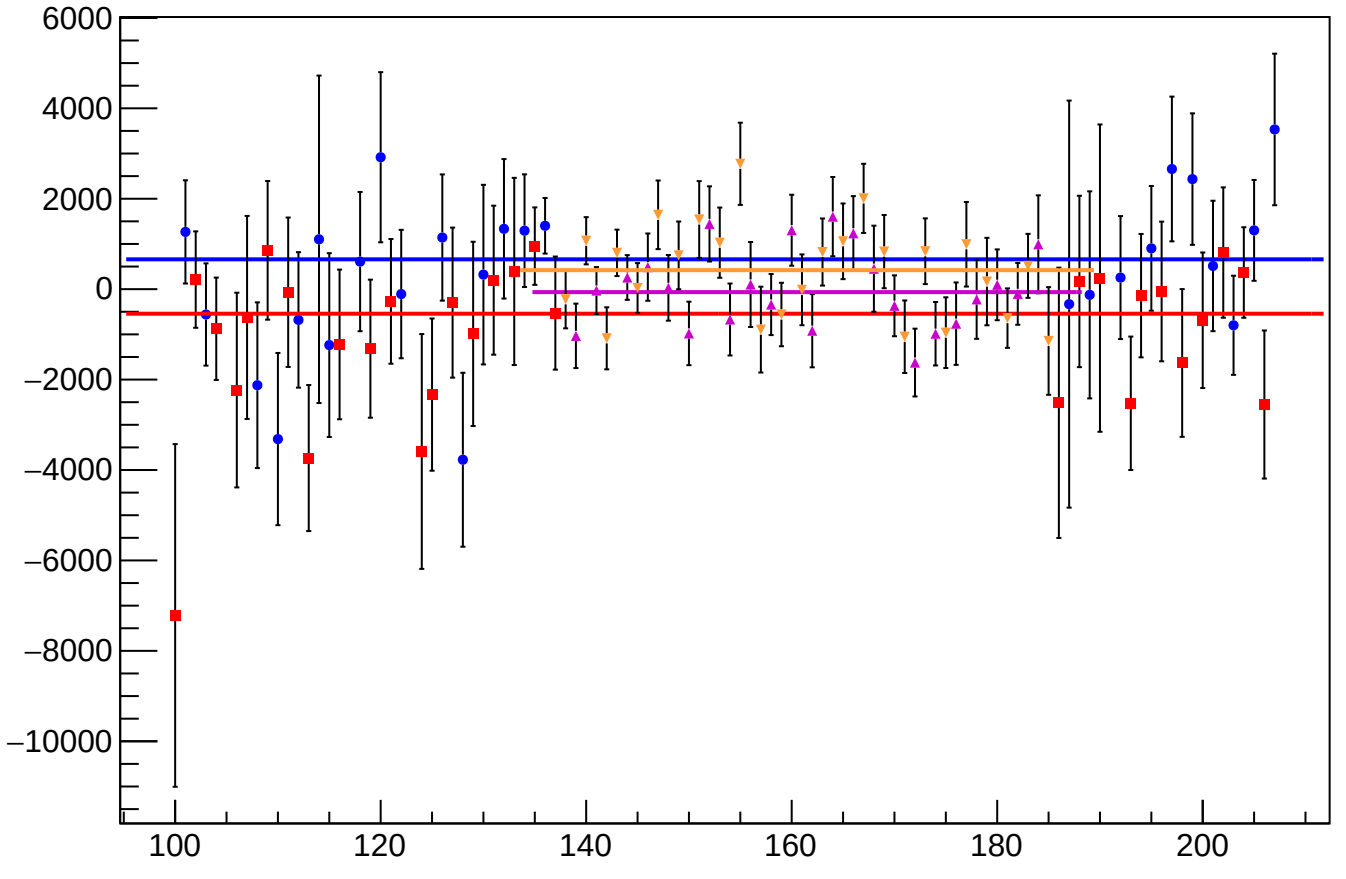
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1347.958+/-0.173 χ^2/NDF: 987246.1/55

In: 1332.762+/-0.164 χ^2/NDF:775266.4/48

Out: 1334.838+/-0.159 χ^2/NDF:230602.2/54

All: 1333.834+/-0.114 χ^2/NDF: 1005951.0/10



Right In: 659.705+/-272.457 χ^2/NDF: 27.3/25

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+/-154.225 χ^2/NDF:27.0/22

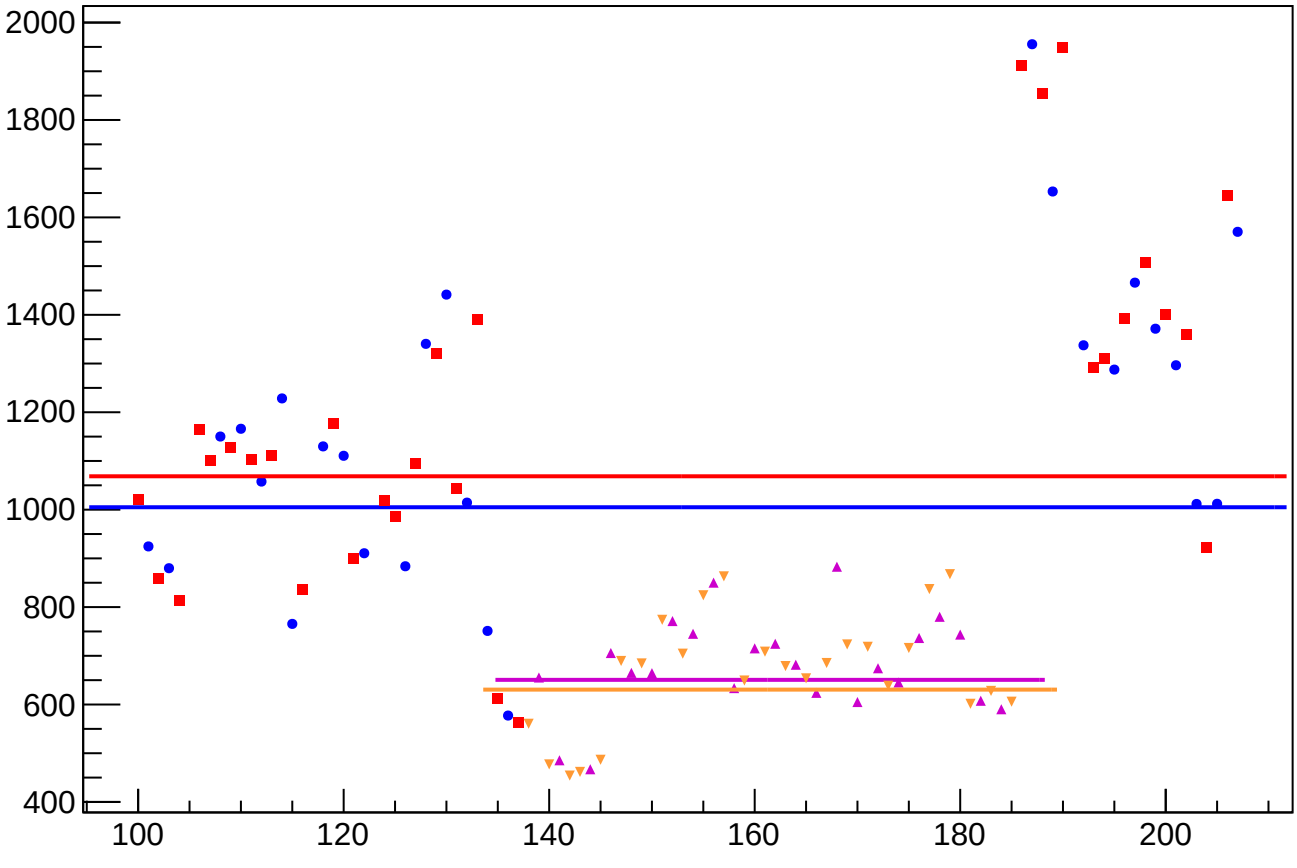
Left: 189.810+/-106.193 χ^2/NDF: 73.8/47

Right: 71.124+/-194.687 χ^2/NDF: 58.7/55

In: 110.551+/-134.214 χ^2/NDF:59.7/48

Out: 211.116+/-129.590 χ^2/NDF:72.8/54

All: 162.596+/-93.226 χ^2/NDF: 132.8/103



Right In: 1004.981+/-0.193 χ^2/NDF: 2405150.9/25

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

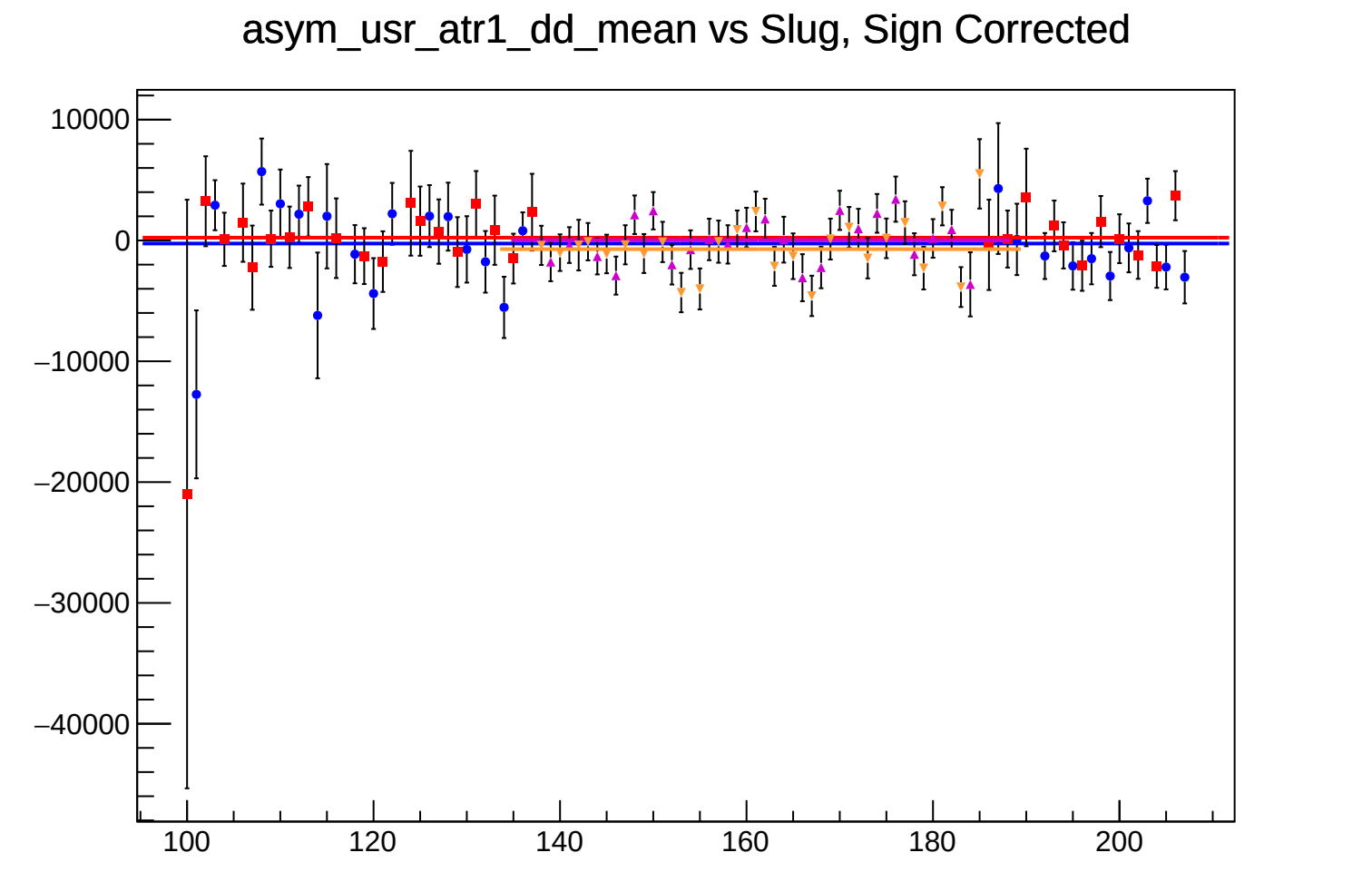
Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

Right: 1036.088+/-0.138 χ^2/NDF: 5157325.3/55

In: 736.623+/-0.095 χ^2/NDF:5889196.2/48

Out: 725.558+/-0.092 χ^2/NDF:7906549.4/54

All: 730.897+/-0.066 χ^2/NDF: 13802781.7/10



Right In: -253.853+/-467.415 χ^2/NDF: 34.5/25

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

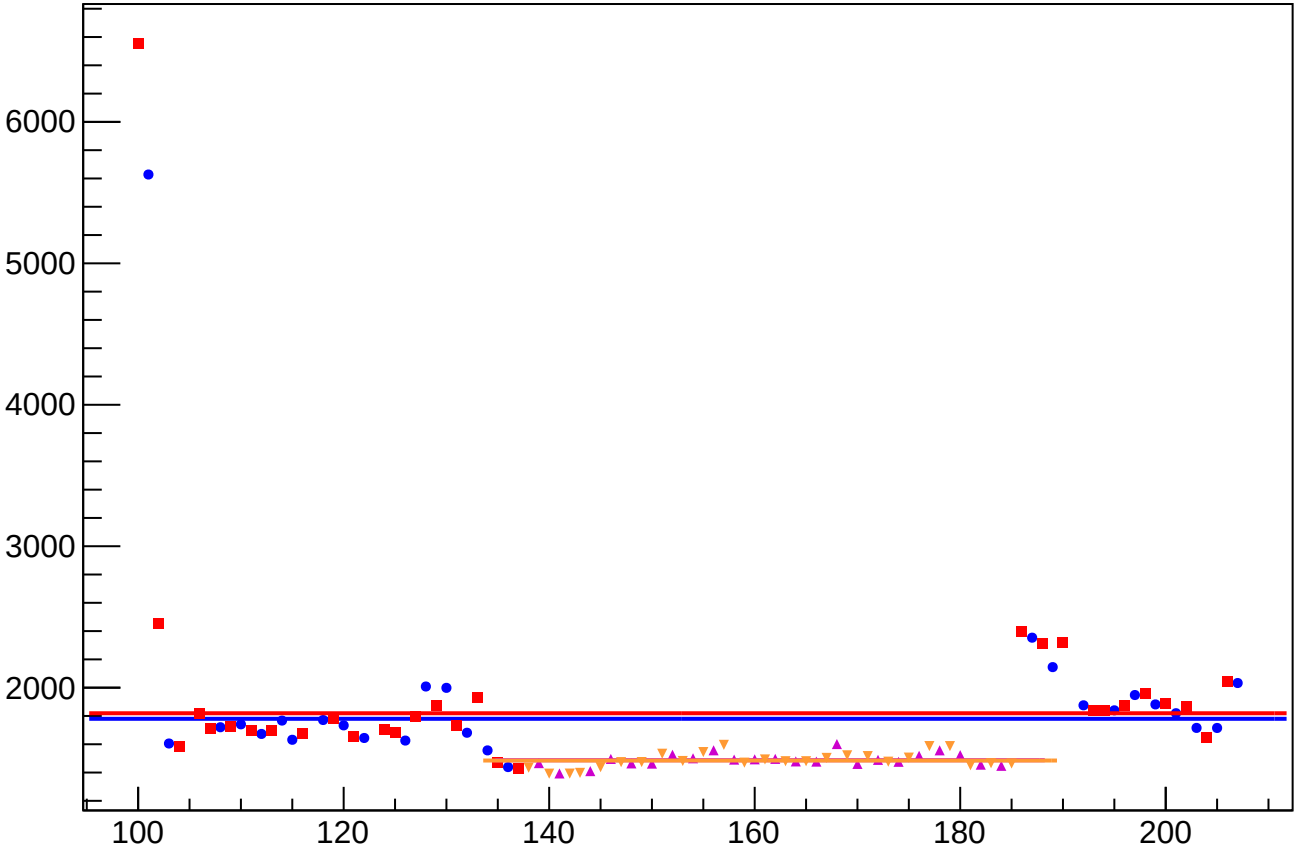
Right: -5.337+/-327.326 χ^2/NDF: 50.3/55

In: -72.612+/-278.830 χ^2/NDF:62.8/48

Out: -383.626+/-271.850 χ^2/NDF:55.8/54

All: -232.061+/-194.648 χ^2/NDF: 119.2/103

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1779.973+/-0.331 χ^2/NDF: 903477.9/25

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

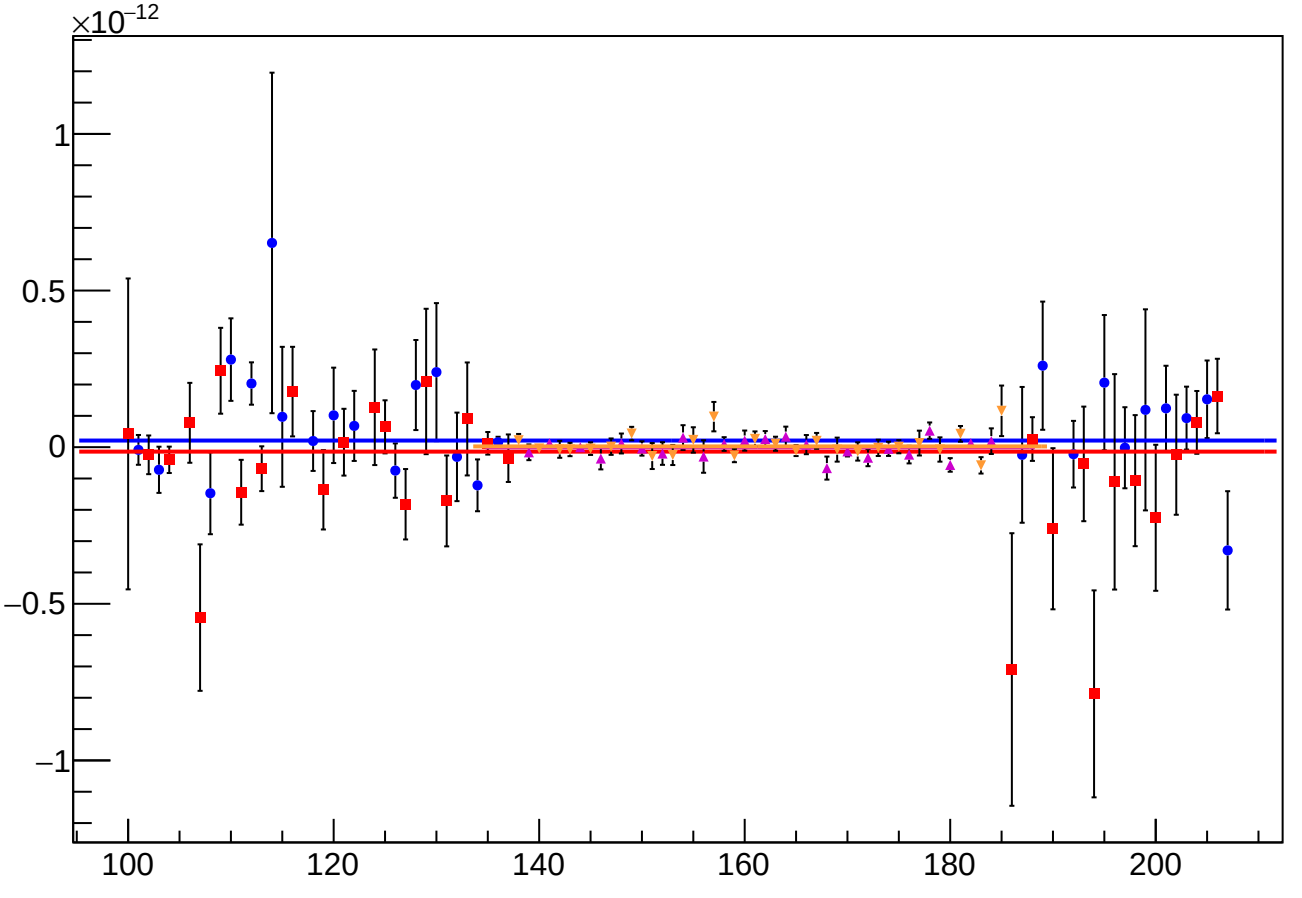
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1799.940+/-0.231 χ^2/NDF: 1415795.8/55

In: 1591.329+/-0.197 χ^2/NDF:1444038.2/48

Out: 1602.429+/-0.192 χ^2/NDF:1245036.6/54

All: 1597.019+/-0.138 χ^2/NDF: 2690699.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/25

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

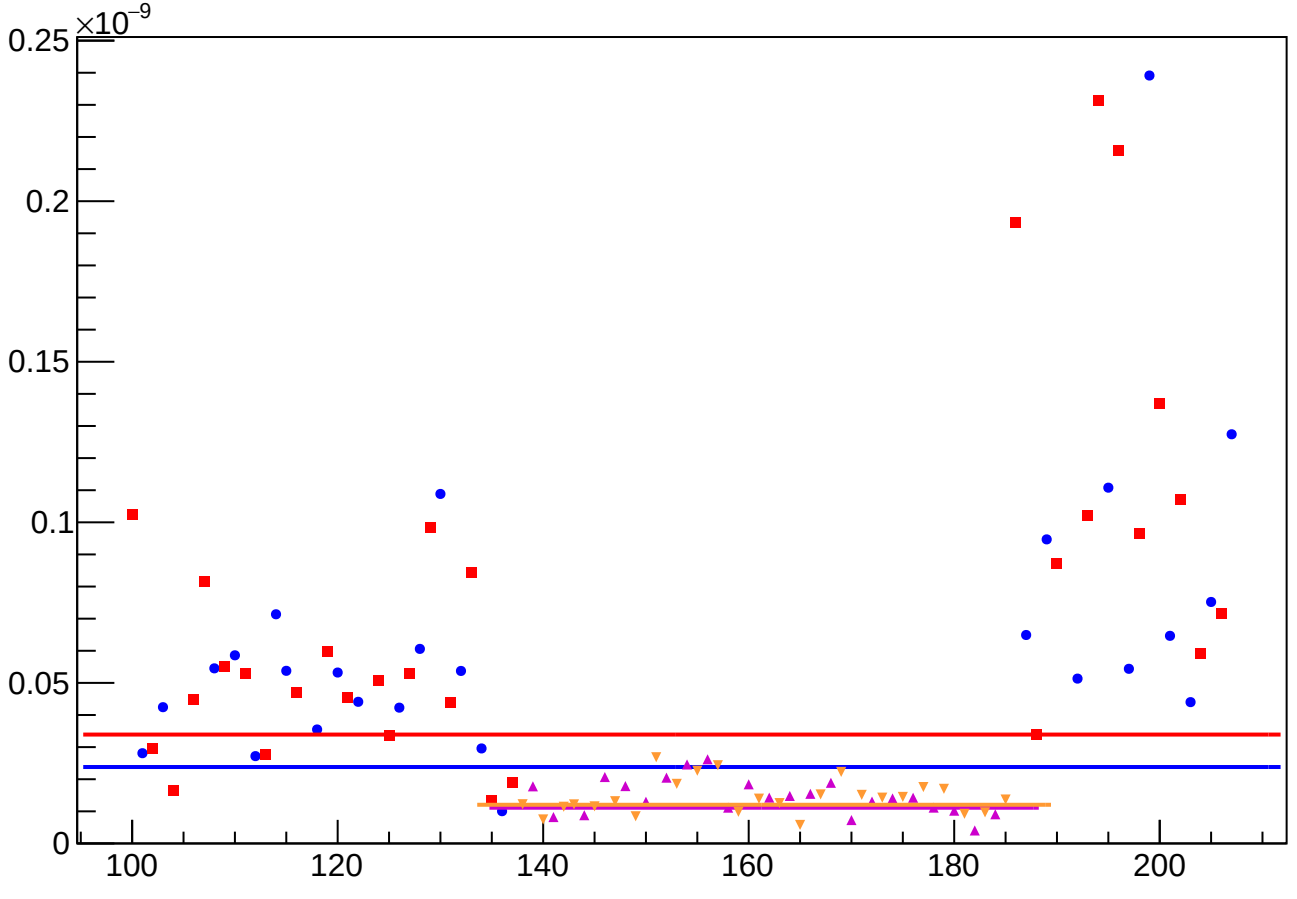
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 69.1/55

In: 0.000+/-0.000 χ^2/NDF:58.8/48

Out: 0.000+/-0.000 χ^2/NDF:61.1/54

All: 0.000+/-0.000 χ^2/NDF: 119.9/103



Right In: 0.000+/-0.000 χ^2/NDF: 5451255.8/25

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

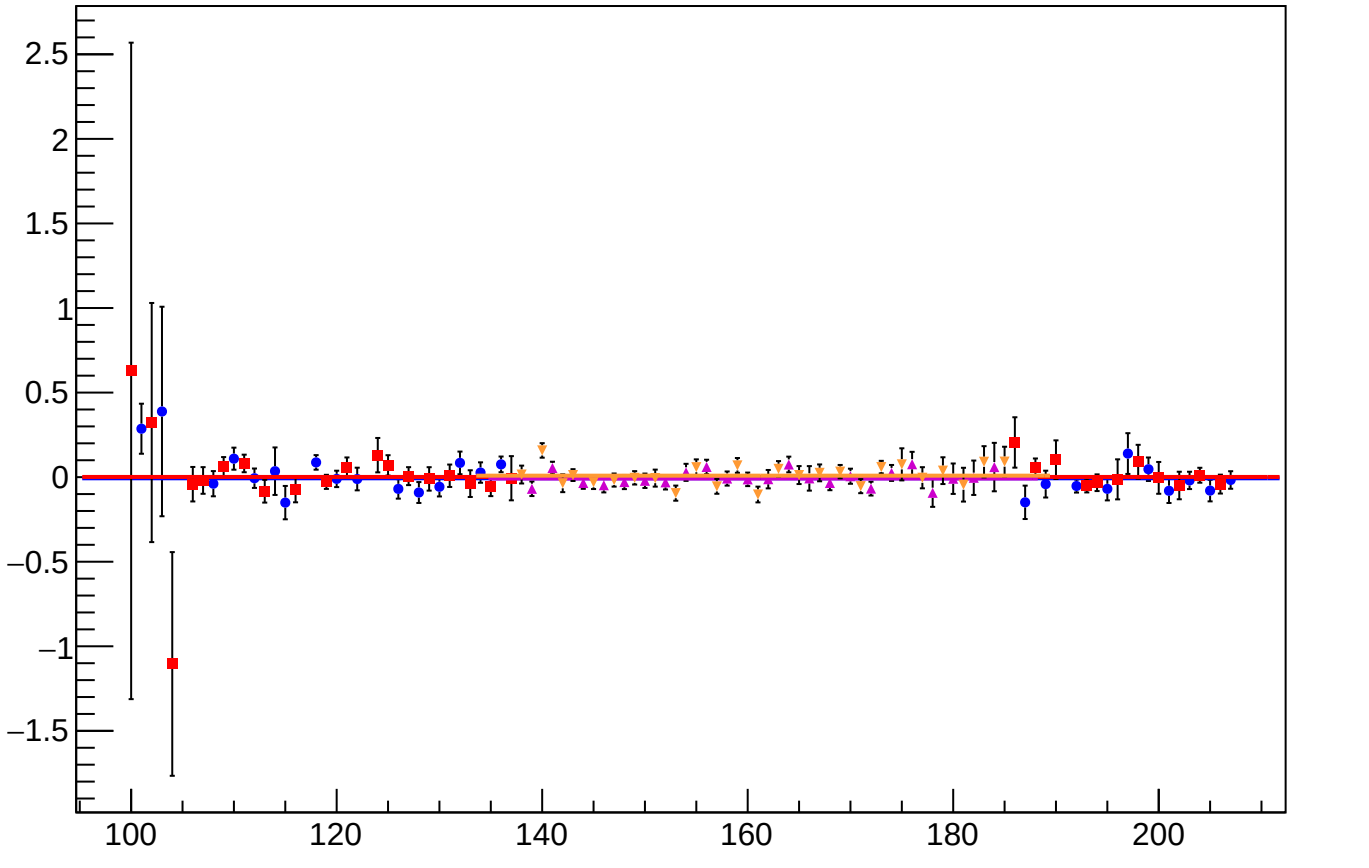
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

Right: 0.000+/-0.000 χ^2/NDF: 10836627.4/55

In: 0.000+/-0.000 χ^2/NDF:9178773.6/48

Out: 0.000+/-0.000 χ^2/NDF:9370429.2/54

All: 0.000+/-0.000 χ^2/NDF: 18608057.3/103



Right In: -0.007+/-0.012 χ^2/NDF: 32.8/25

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

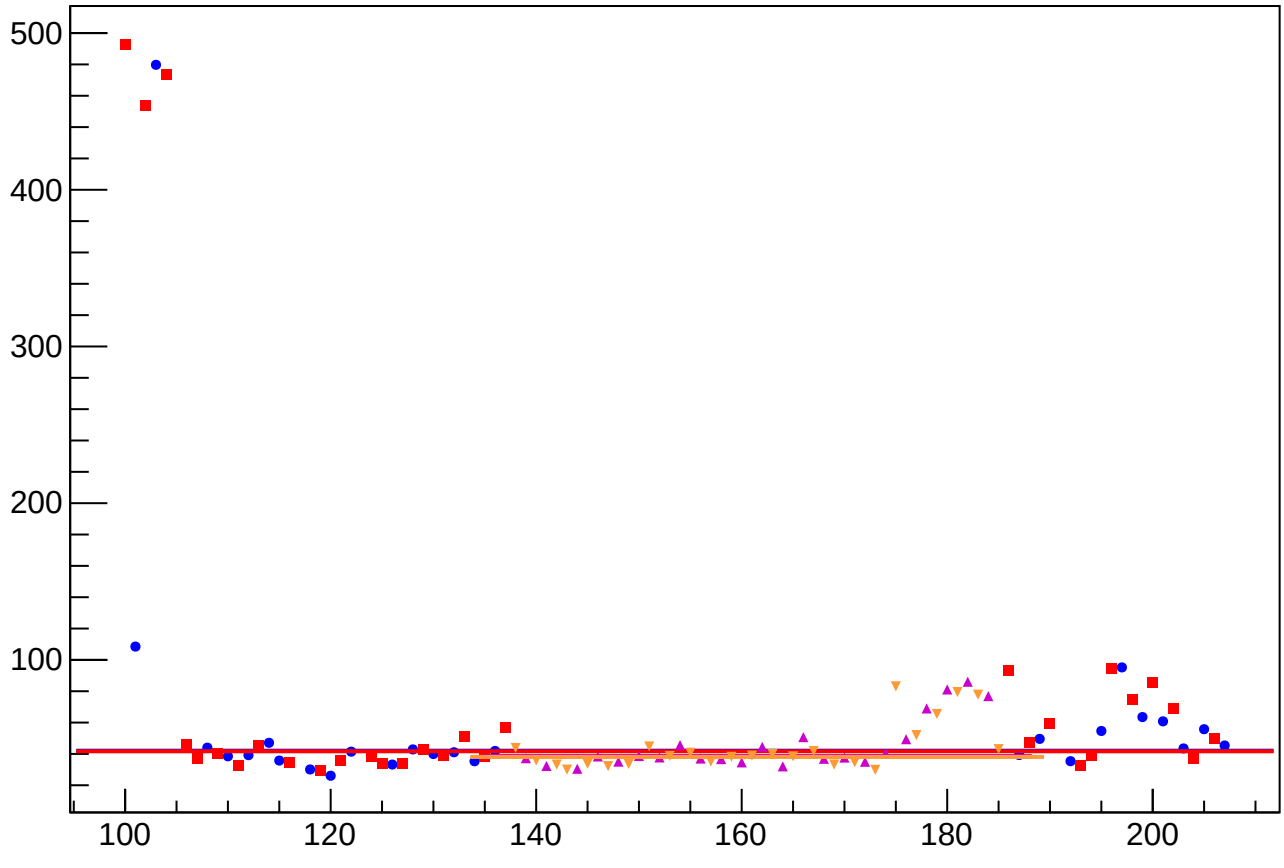
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: -0.003+/-0.009 χ^2/NDF: 55.9/55

In: -0.007+/-0.008 χ^2/NDF:51.7/48

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: -0.001+/-0.005 χ^2/NDF: 114.9/103



Right In: 42.035+/-0.009 χ^2/NDF: 2838662.7/25

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

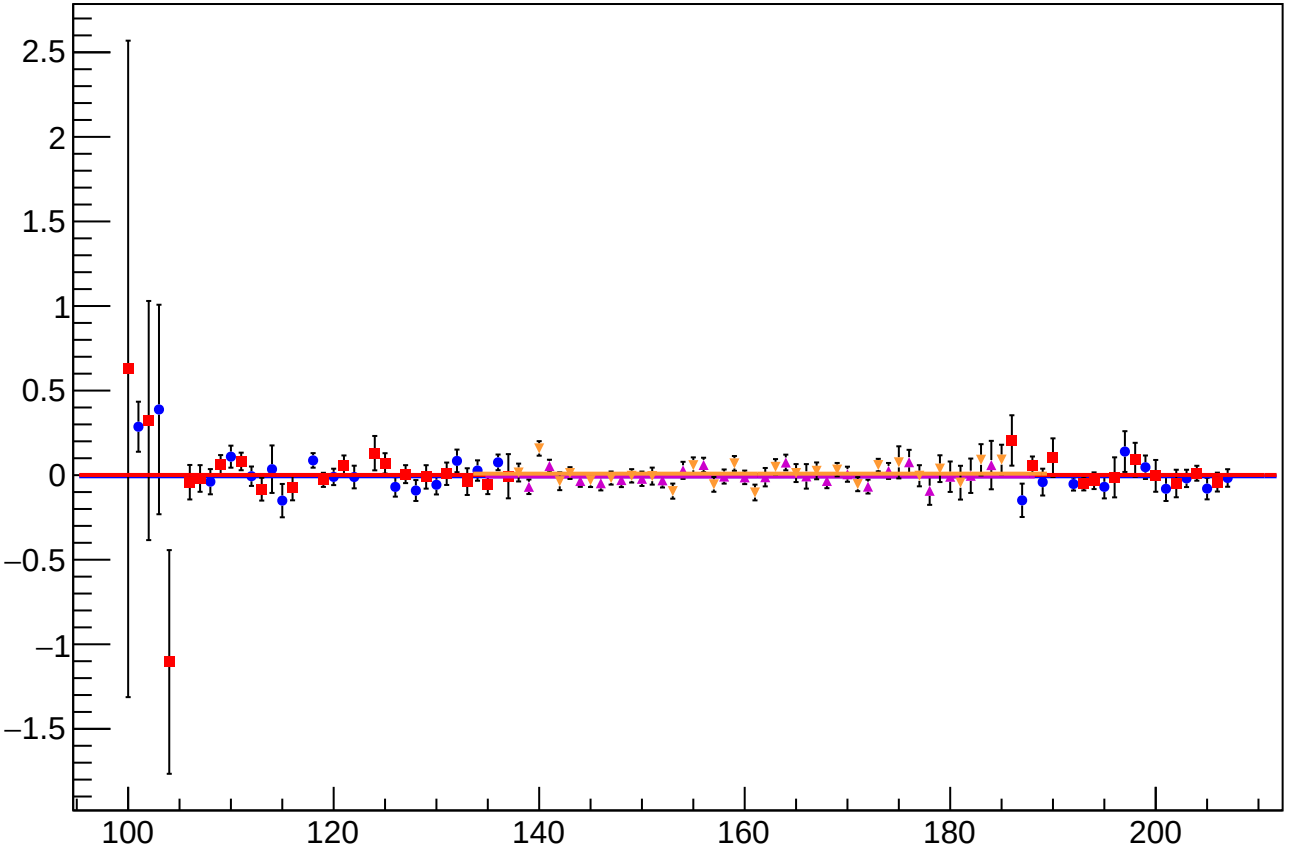
Right: 41.855+/-0.006 χ^2/NDF: 6678685.0/55

In: 39.964+/-0.005 χ^2/NDF:4658747.3/48

Out: 39.438+/-0.005 χ^2/NDF:5914392.2/54

All: 39.694+/-0.004 χ^2/NDF: 10577886.5/103

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 32.8/25

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

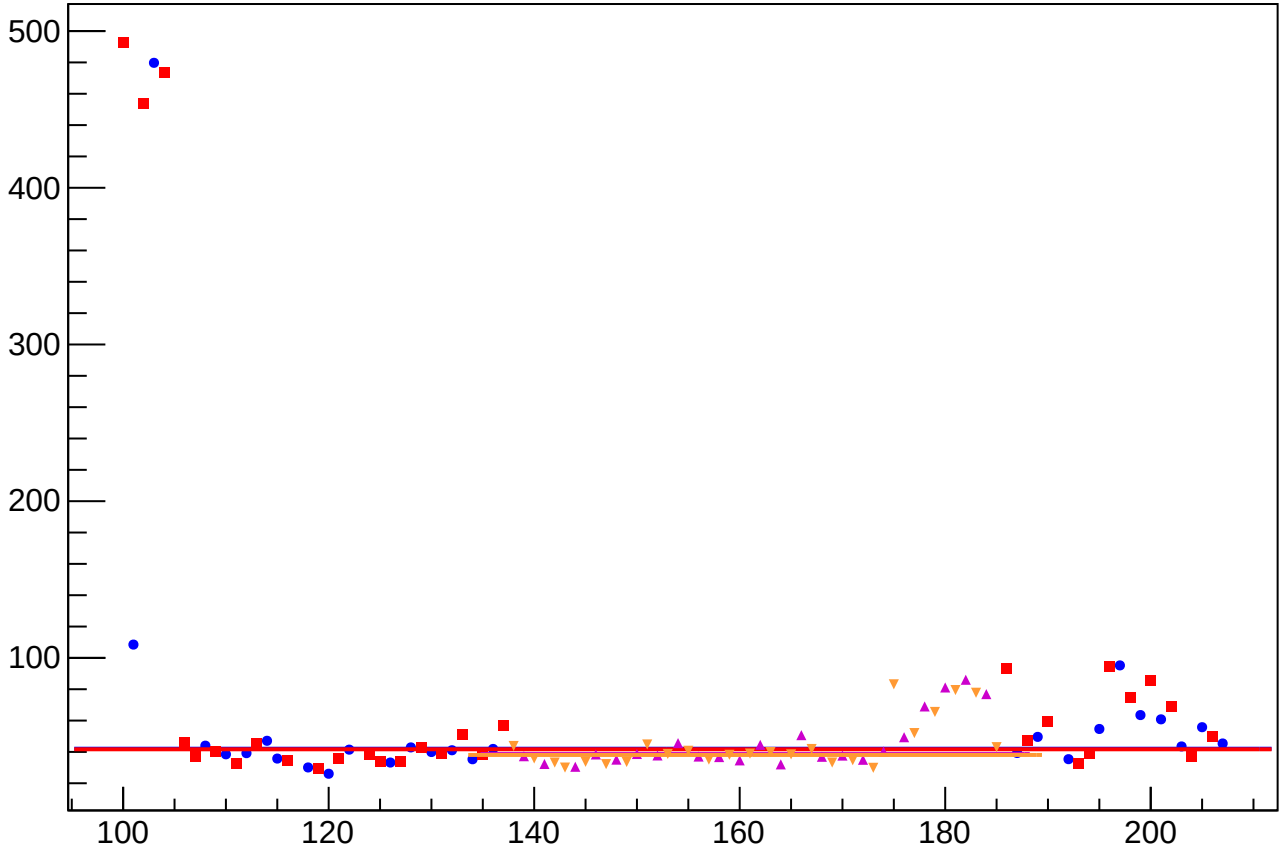
Right: -0.003+/-0.009 χ^2/NDF: 55.9/55

In: -0.007+/-0.008 χ^2/NDF:51.7/48

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: -0.001+/-0.005 χ^2/NDF: 114.9/103

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.035+/-0.009 χ^2/NDF: 2838662.7/25

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

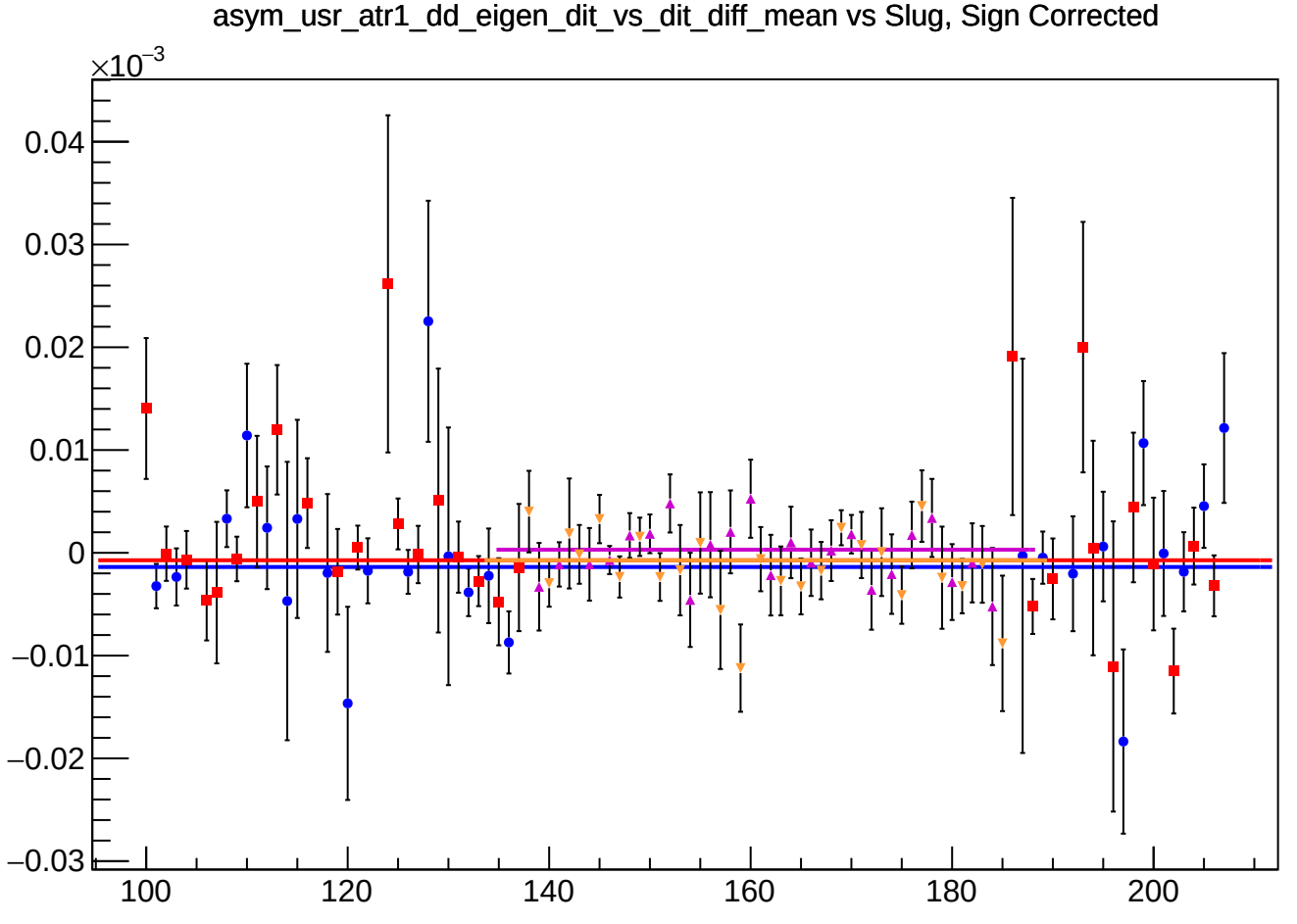
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

Right: 41.855+/-0.006 χ^2/NDF: 6678685.0/55

In: 39.964+/-0.005 χ^2/NDF:4658747.3/48

Out: 39.438+/-0.005 χ^2/NDF:5914392.2/54

All: 39.694+/-0.004 χ^2/NDF: 10577886.5/103



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/25

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/29

Left In: 0.000+/-0.000 χ^2/NDF:13.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.9/47

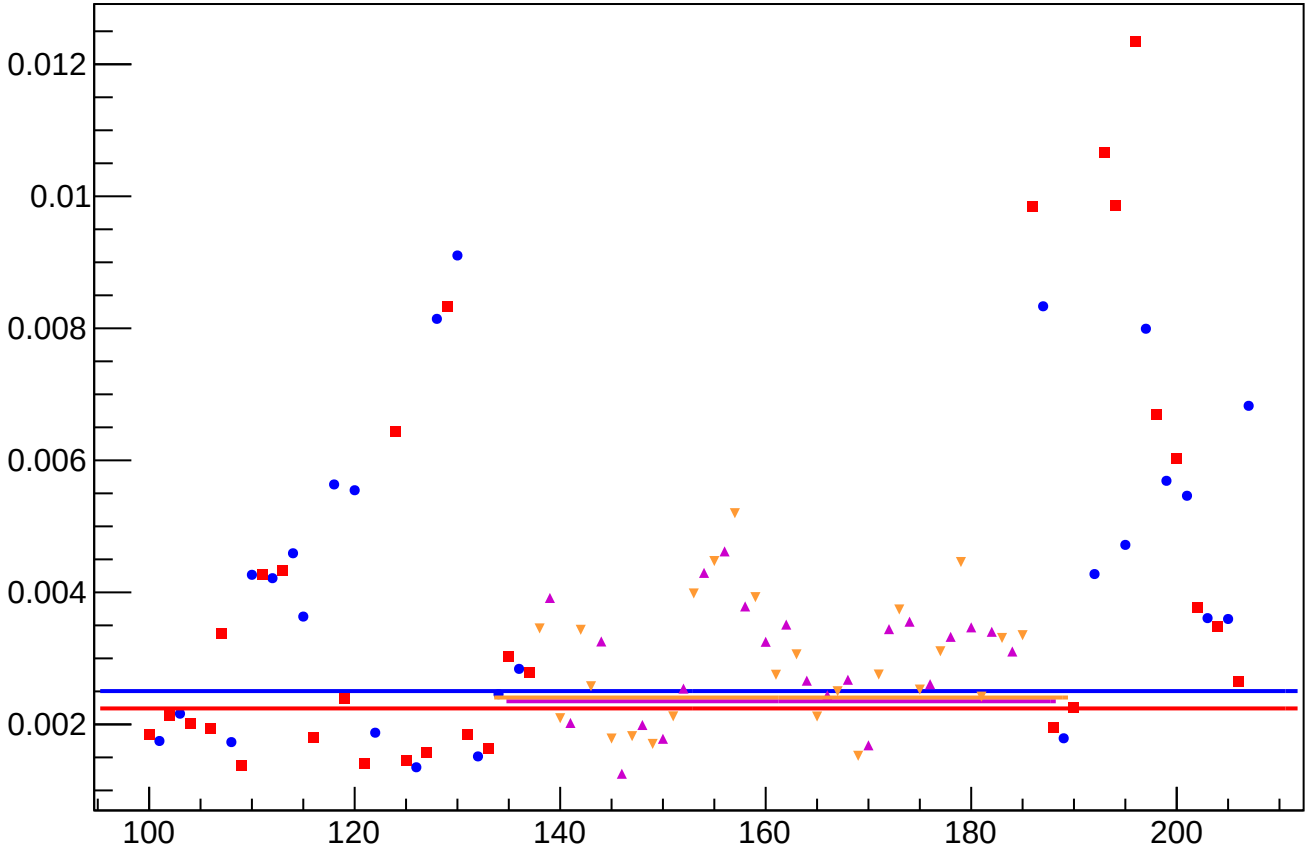
Right: -0.000+/-0.000 χ^2/NDF: 70.7/55

In: -0.000+/-0.000 χ^2/NDF:51.4/48

Out: -0.000+/-0.000 χ^2/NDF:62.3/54

All: -0.000+/-0.000 χ^2/NDF: 114.0/103

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7098505.5/25

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

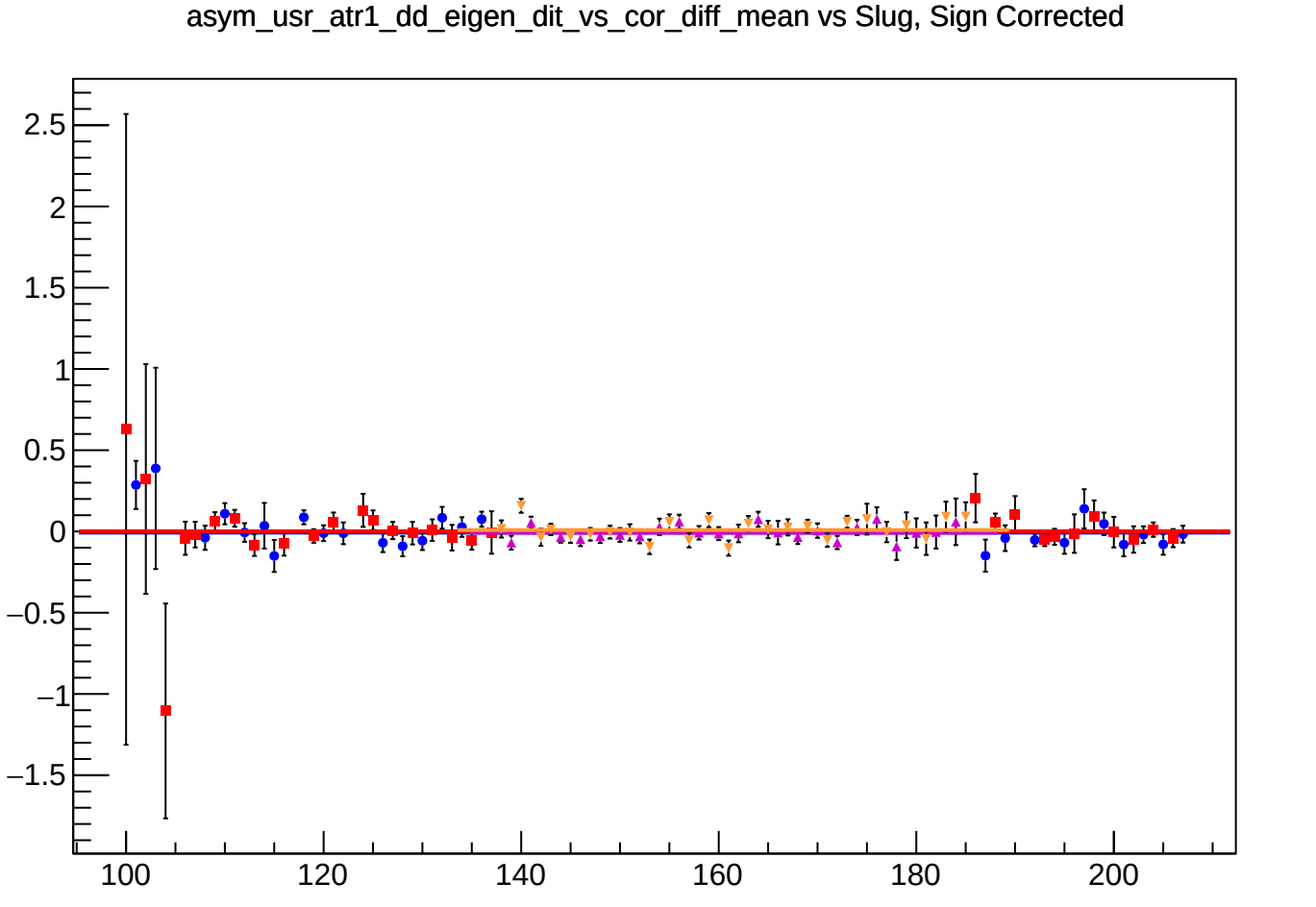
Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

Right: 0.002+/-0.000 χ^2/NDF: 15048005.3/55

In: 0.002+/-0.000 χ^2/NDF:11586911.1/48

Out: 0.002+/-0.000 χ^2/NDF:11569998.5/54

All: 0.002+/-0.000 χ^2/NDF: 23180449.5/103



Right In: -0.007+/-0.012 χ^2/NDF: 32.8/25

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

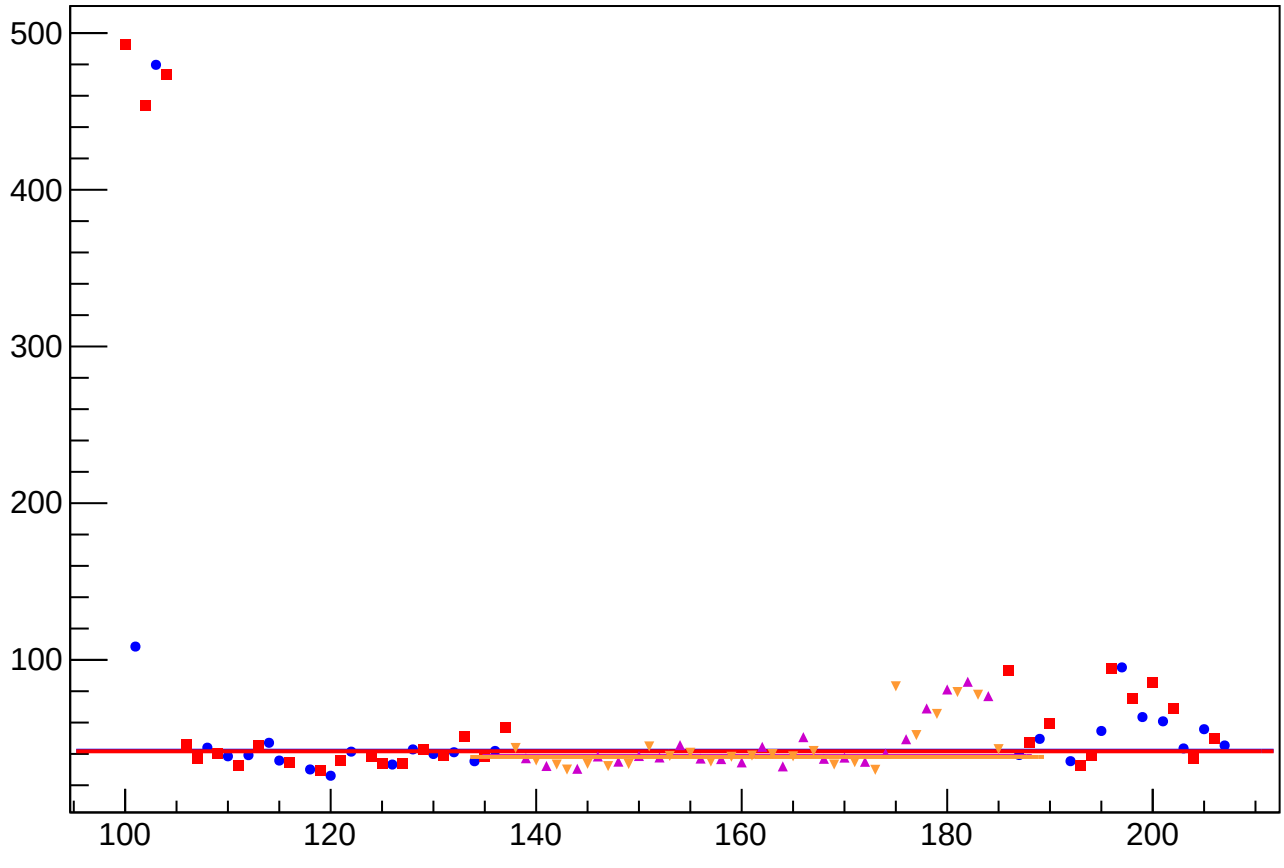
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: -0.003+/-0.009 χ^2/NDF: 55.8/55

In: -0.007+/-0.008 χ^2/NDF:51.7/48

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: -0.001+/-0.005 χ^2/NDF: 114.9/103



Right In: 42.035+/-0.009 χ^2/NDF: 2838853.3/25

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

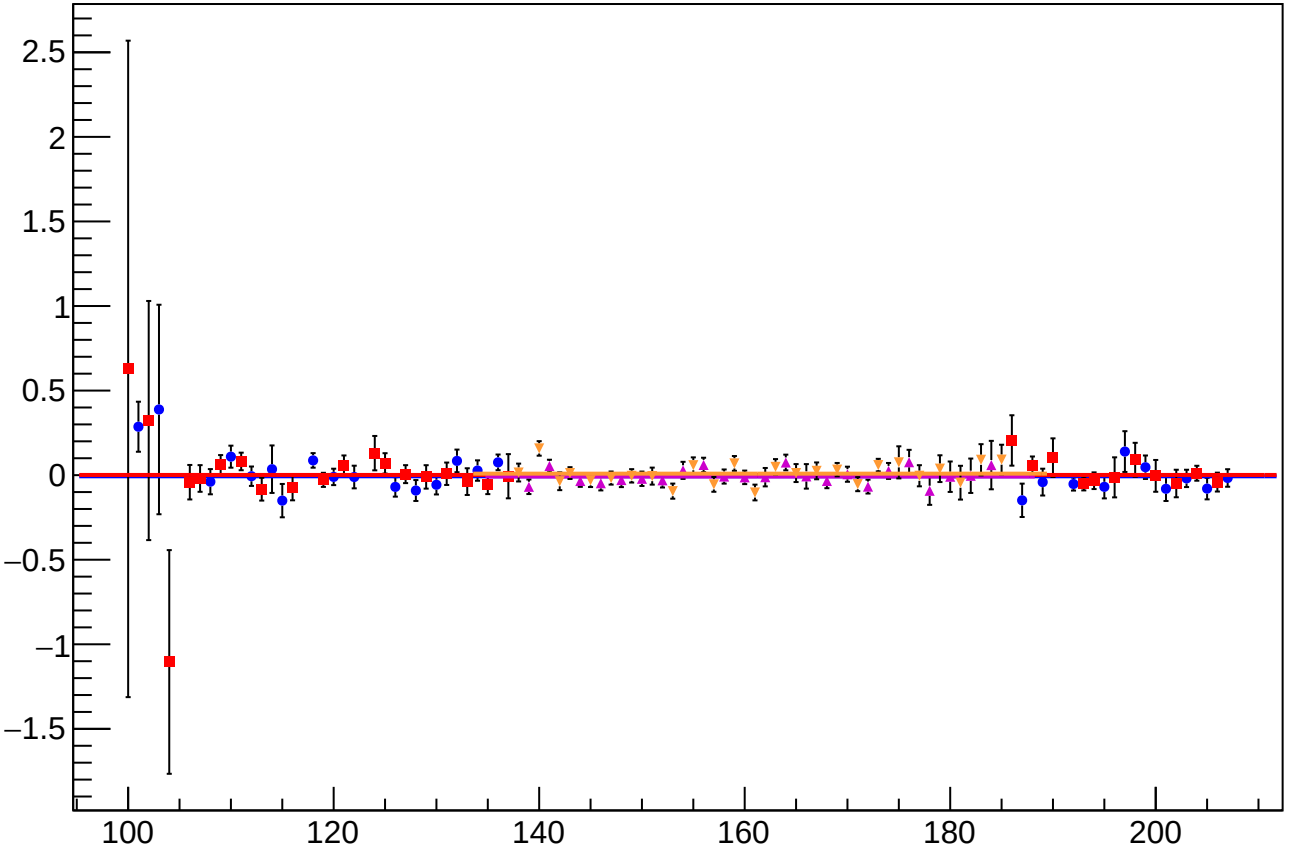
Right: 41.853+/-0.006 χ^2/NDF: 6679402.6/55

In: 39.964+/-0.005 χ^2/NDF:4658962.6/48

Out: 39.437+/-0.005 χ^2/NDF:5914733.6/54

All: 39.694+/-0.004 χ^2/NDF: 10578457.5/103

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.012 χ^2/NDF: 32.8/25

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

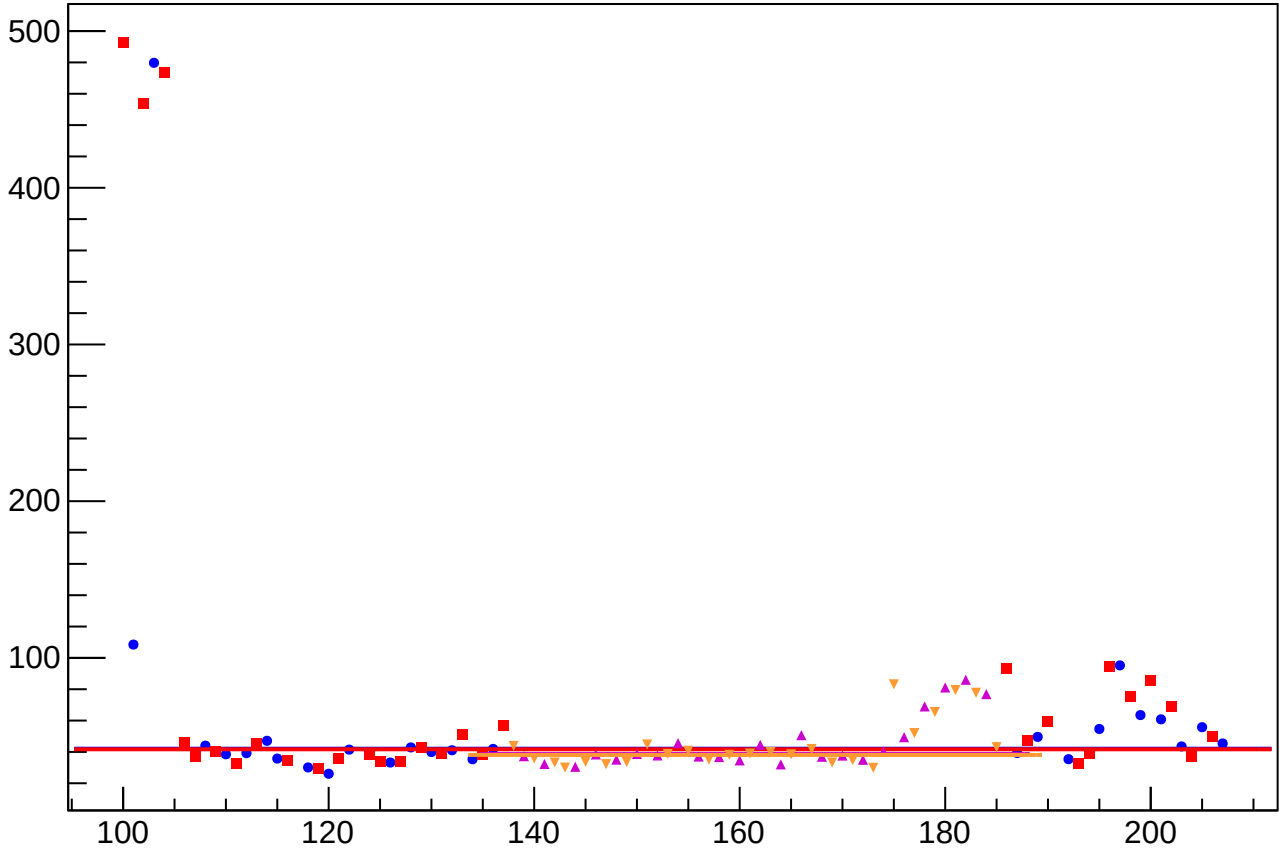
Right: -0.003+/-0.009 χ^2/NDF: 55.8/55

In: -0.007+/-0.008 χ^2/NDF:51.7/48

Out: 0.006+/-0.008 χ^2/NDF:61.7/54

All: -0.001+/-0.005 χ^2/NDF: 114.9/103

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.035+/-0.009 χ^2/NDF: 2838853.3/25

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

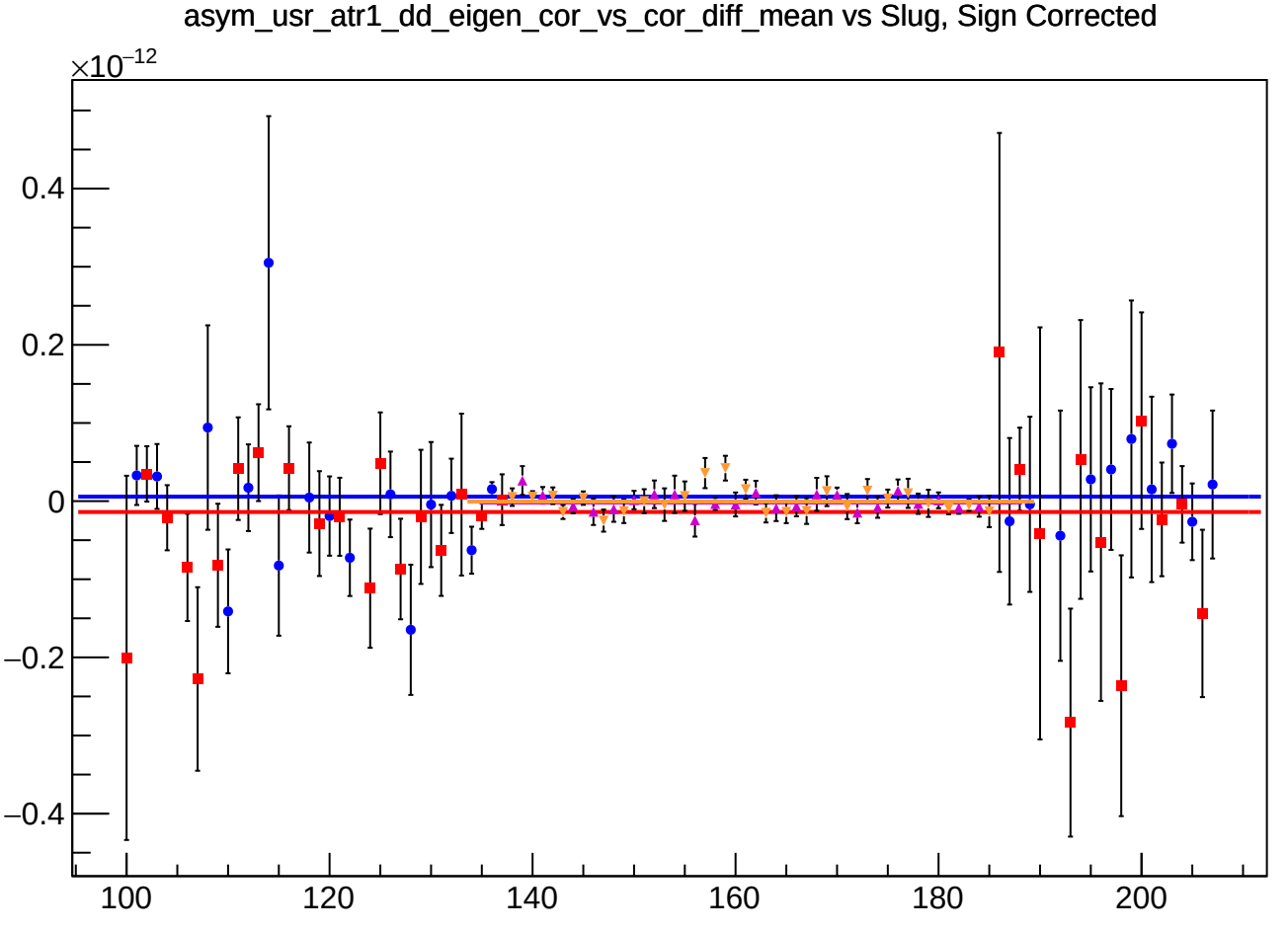
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 41.853+/-0.006 χ^2/NDF: 6679402.6/55

In: 39.964+/-0.005 χ^2/NDF:4658962.6/48

Out: 39.437+/-0.005 χ^2/NDF:5914733.6/54

All: 39.694+/-0.004 χ^2/NDF: 10578457.5/103



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/25

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

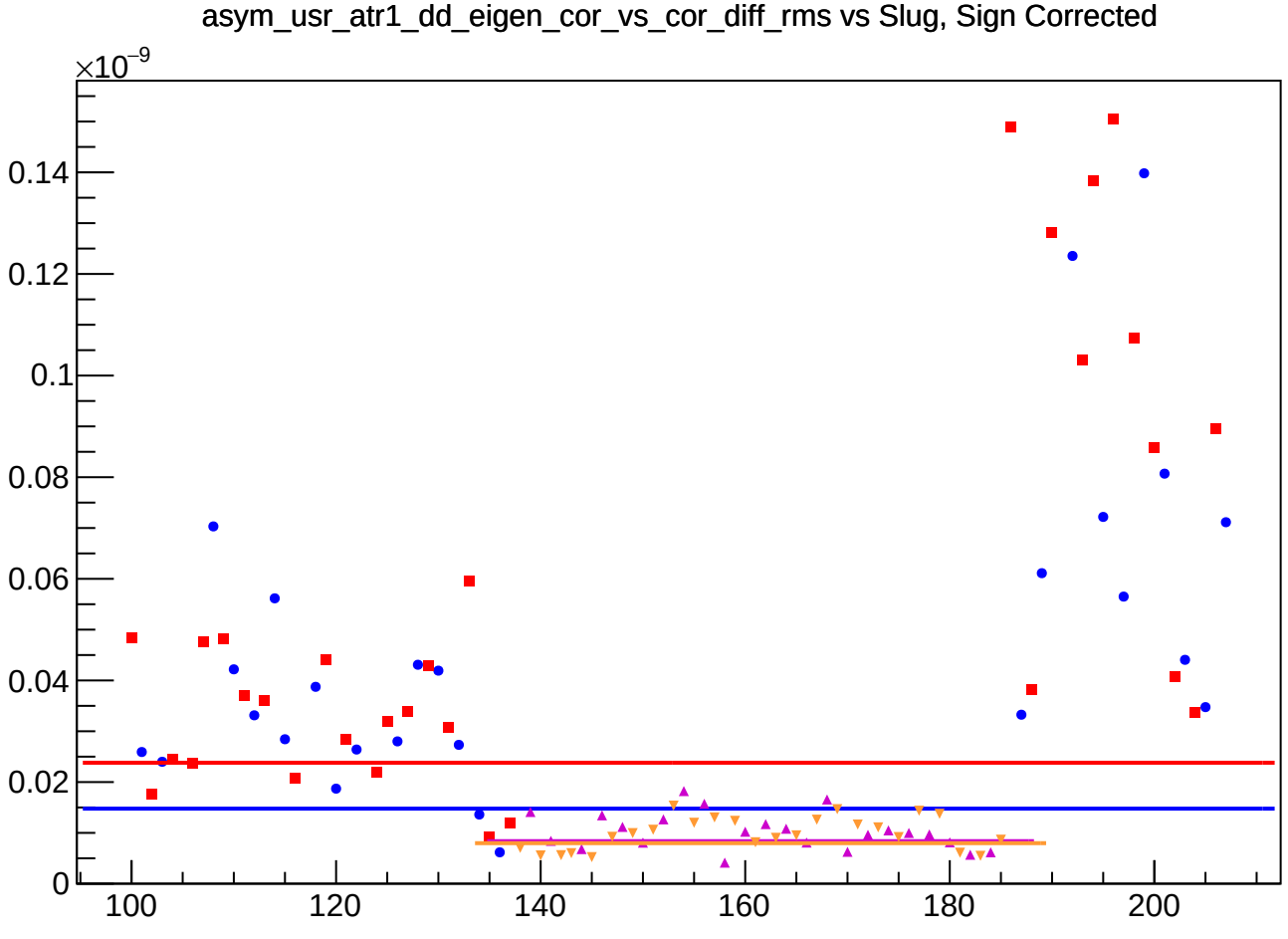
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 51.5/55

In: -0.000+/-0.000 χ^2/NDF:36.3/48

Out: -0.000+/-0.000 χ^2/NDF:53.8/54

All: -0.000+/-0.000 χ^2/NDF: 90.2/103



Right In: 0.000+/-0.000 χ^2/NDF: 9348341.6/25

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

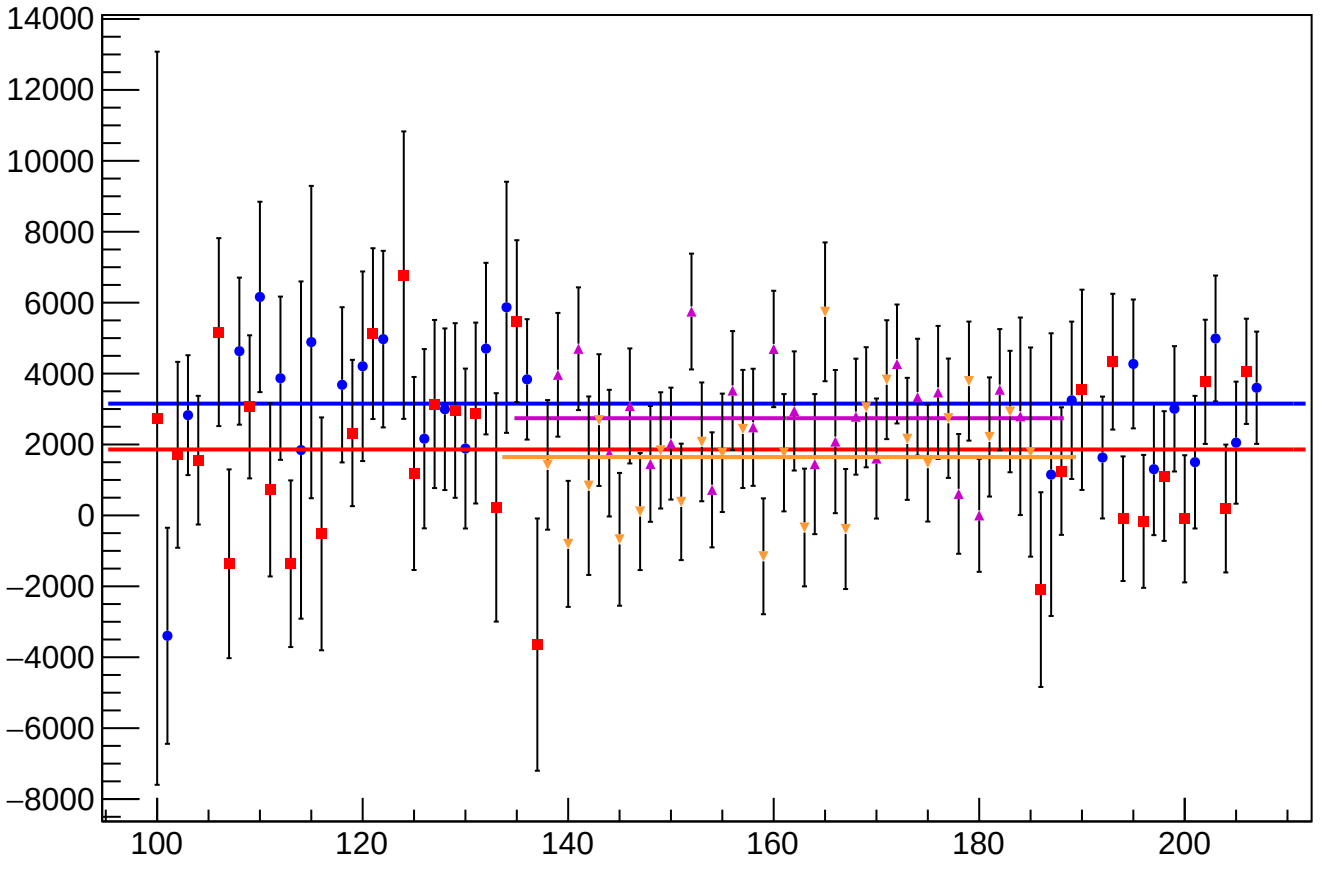
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18259299.1/55

In: 0.000+/-0.000 χ^2/NDF:13498055.8/48

Out: 0.000+/-0.000 χ^2/NDF:15499159.5/54

All: 0.000+/-0.000 χ^2/NDF: 29005341.9/103



Right In: 3152.408+/-421.719 χ^2/NDF: 13.9/25

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

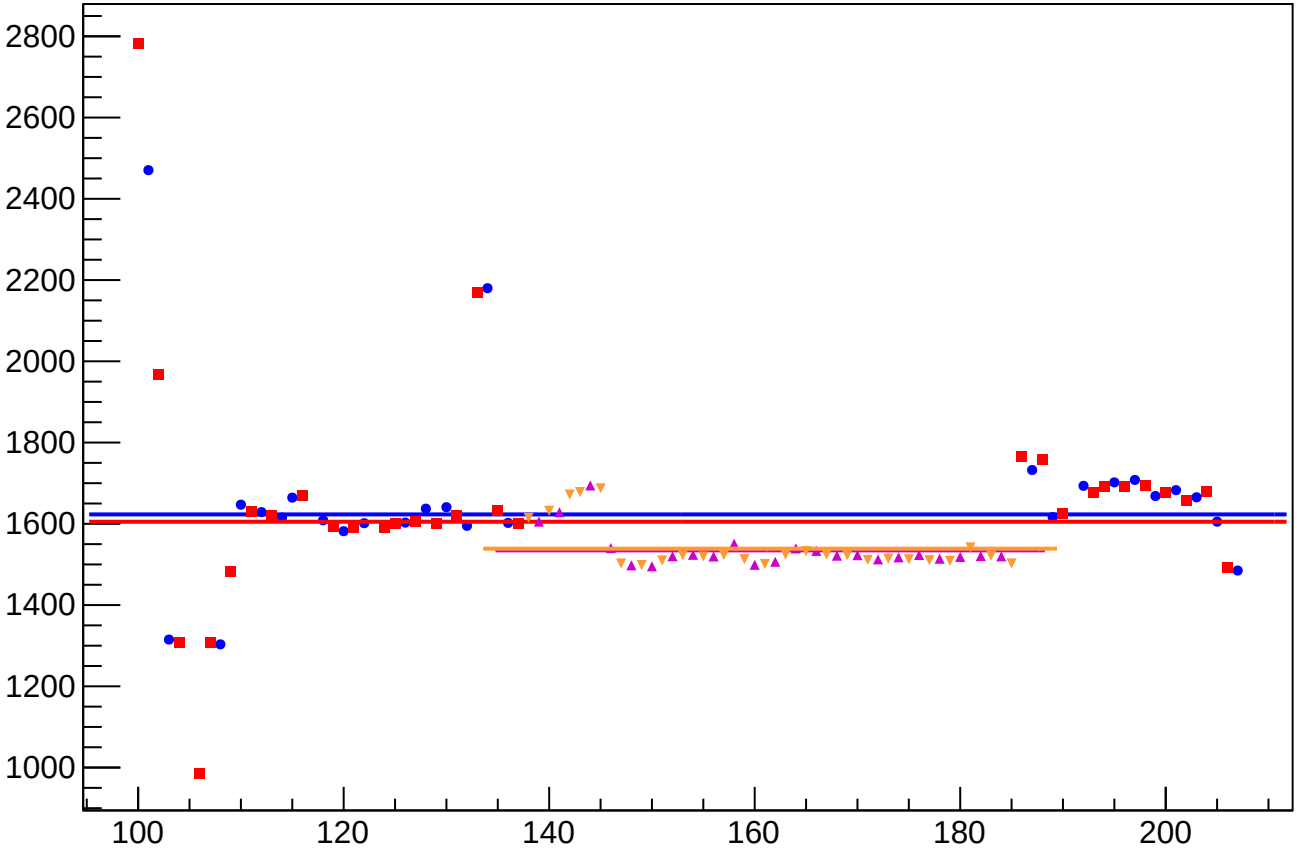
Right: 2482.844+/-292.797 χ^2/NDF: 46.2/55

In: 2913.519+/-273.124 χ^2/NDF:30.9/48

Out: 1737.054+/-265.220 χ^2/NDF:48.7/54

All: 2308.017+/-190.272 χ^2/NDF: 89.1/103

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1623.136+/-0.298 χ^2/NDF: 352882.0/25

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

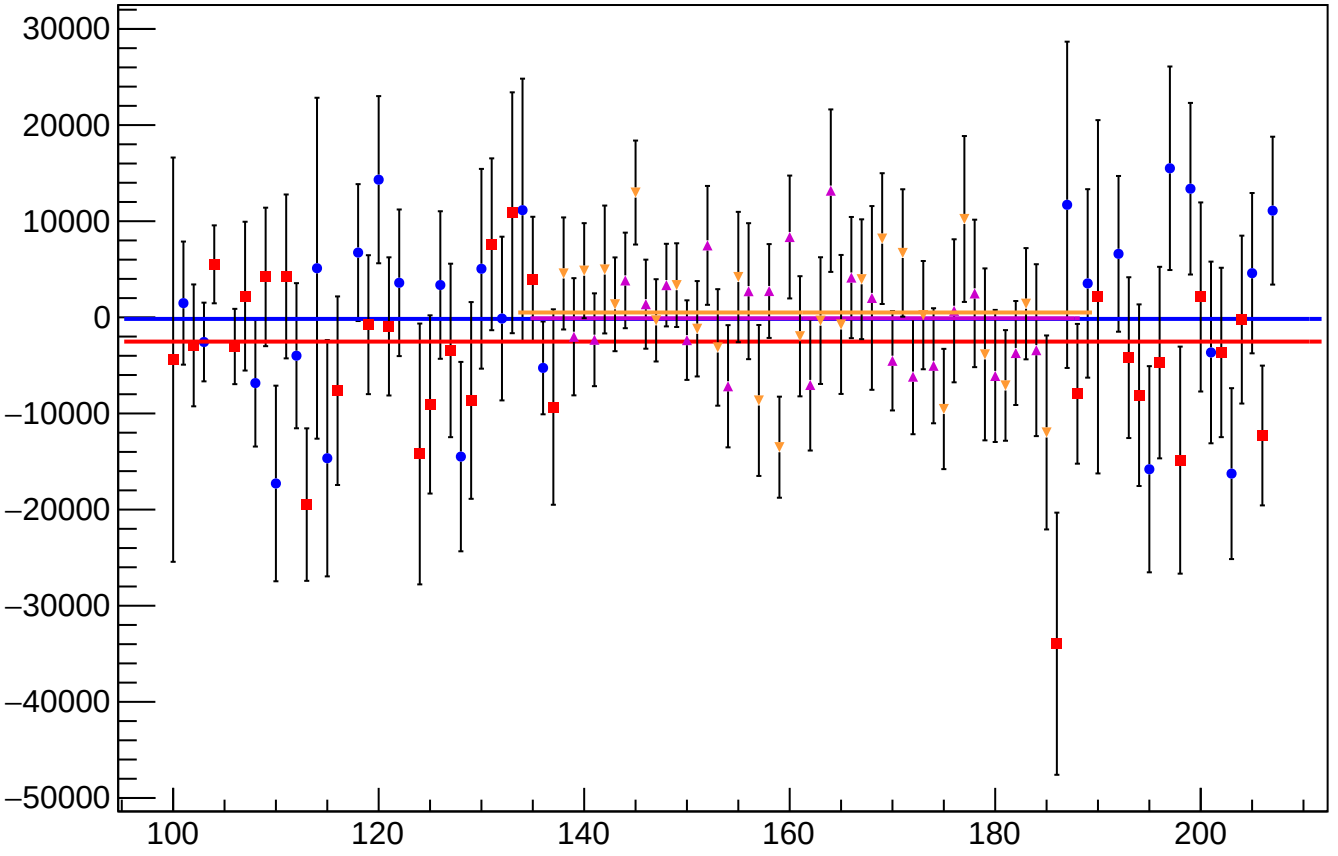
Right: 1613.713+/-0.206 χ^2/NDF: 810546.3/55

In: 1571.744+/-0.193 χ^2/NDF:435162.1/48

Out: 1567.240+/-0.187 χ^2/NDF:533612.9/54

All: 1569.418+/-0.134 χ^2/NDF: 969055.9/103

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -164.170+/-1567.208 χ^2/NDF: 28.2/25

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

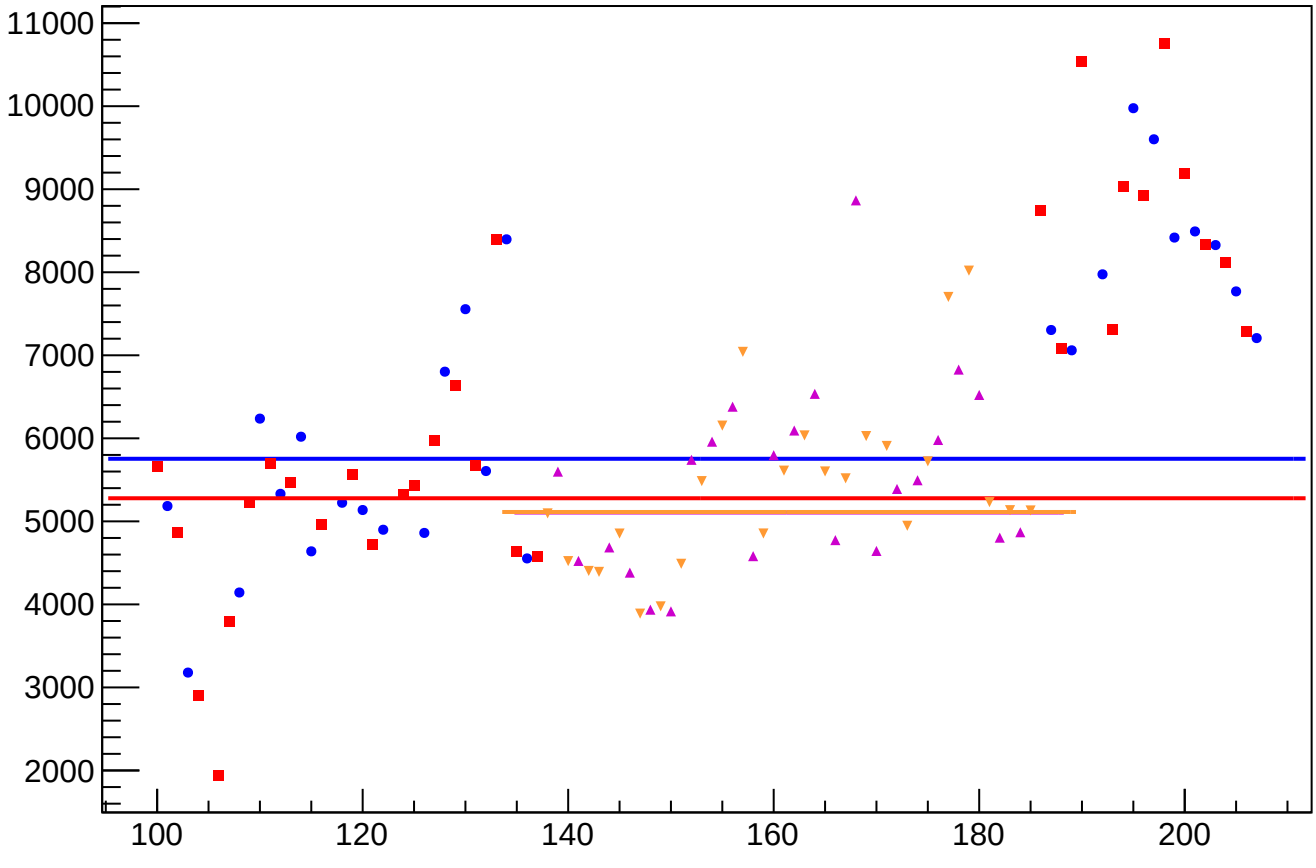
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -1445.911+/-1059.240 χ^2/NDF: 55.2/55

In: -122.850+/-961.506 χ^2/NDF:43.0/48

Out: -724.291+/-915.351 χ^2/NDF:55.3/54

All: -438.352+/-662.967 χ^2/NDF: 98.5/103



Right In: 5753.688+/-1.108 χ^2/NDF: 2787546.3/25

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

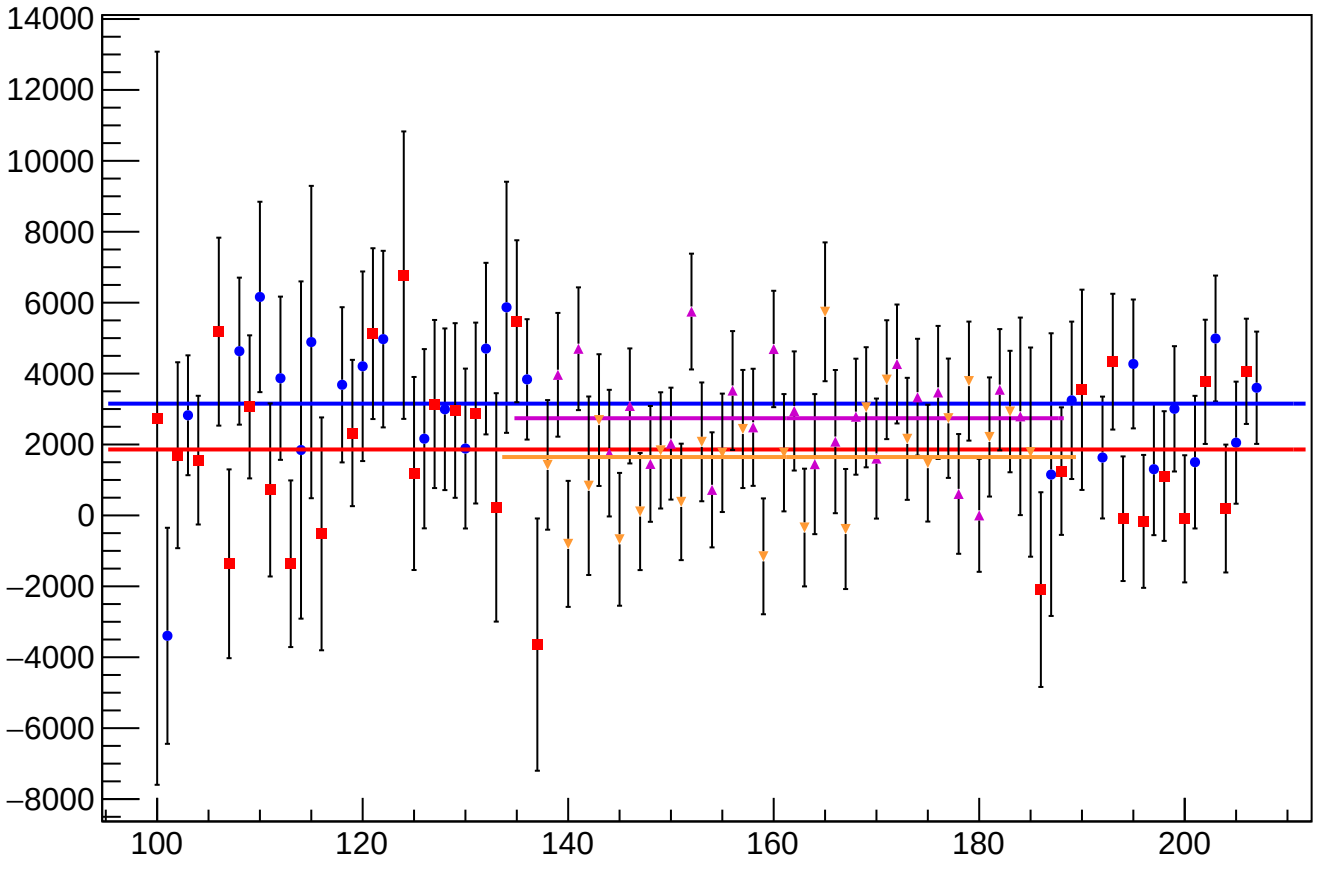
Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

Right: 5495.440+/-0.749 χ^2/NDF: 7806480.1/55

In: 5350.031+/-0.680 χ^2/NDF:4251931.9/48

Out: 5180.008+/-0.647 χ^2/NDF:6093693.3/54

All: 5260.841+/-0.469 χ^2/NDF: 10378431.0/1



Right In: 3152.274+/-421.719 χ^2/NDF: 13.9/25

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

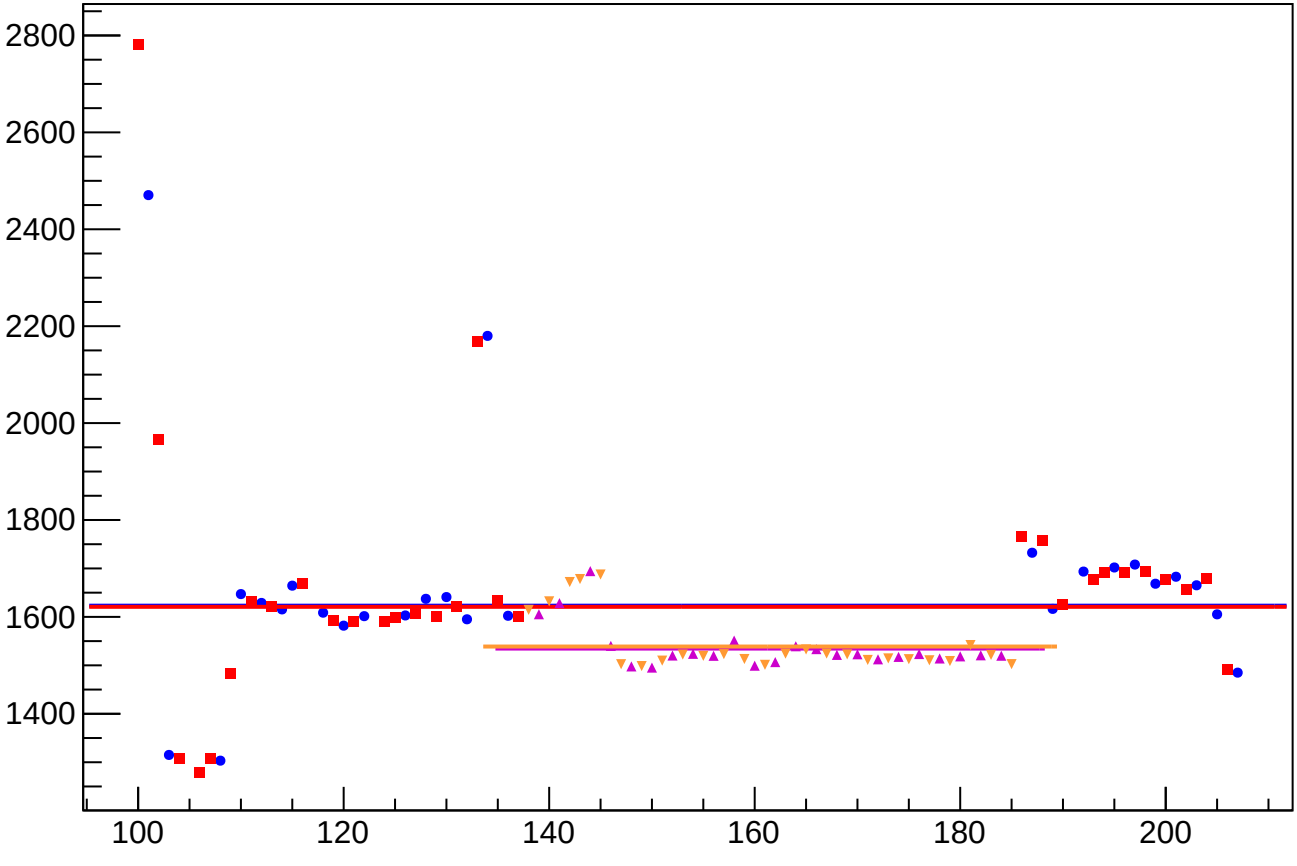
Right: 2482.783+/-292.797 χ^2/NDF: 46.3/55

In: 2913.406+/-273.124 χ^2/NDF:30.9/48

Out: 1736.993+/-265.221 χ^2/NDF:48.7/54

All: 2307.932+/-190.272 χ^2/NDF: 89.1/103

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1623.136+/-0.298 χ^2/NDF: 352881.0/25

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

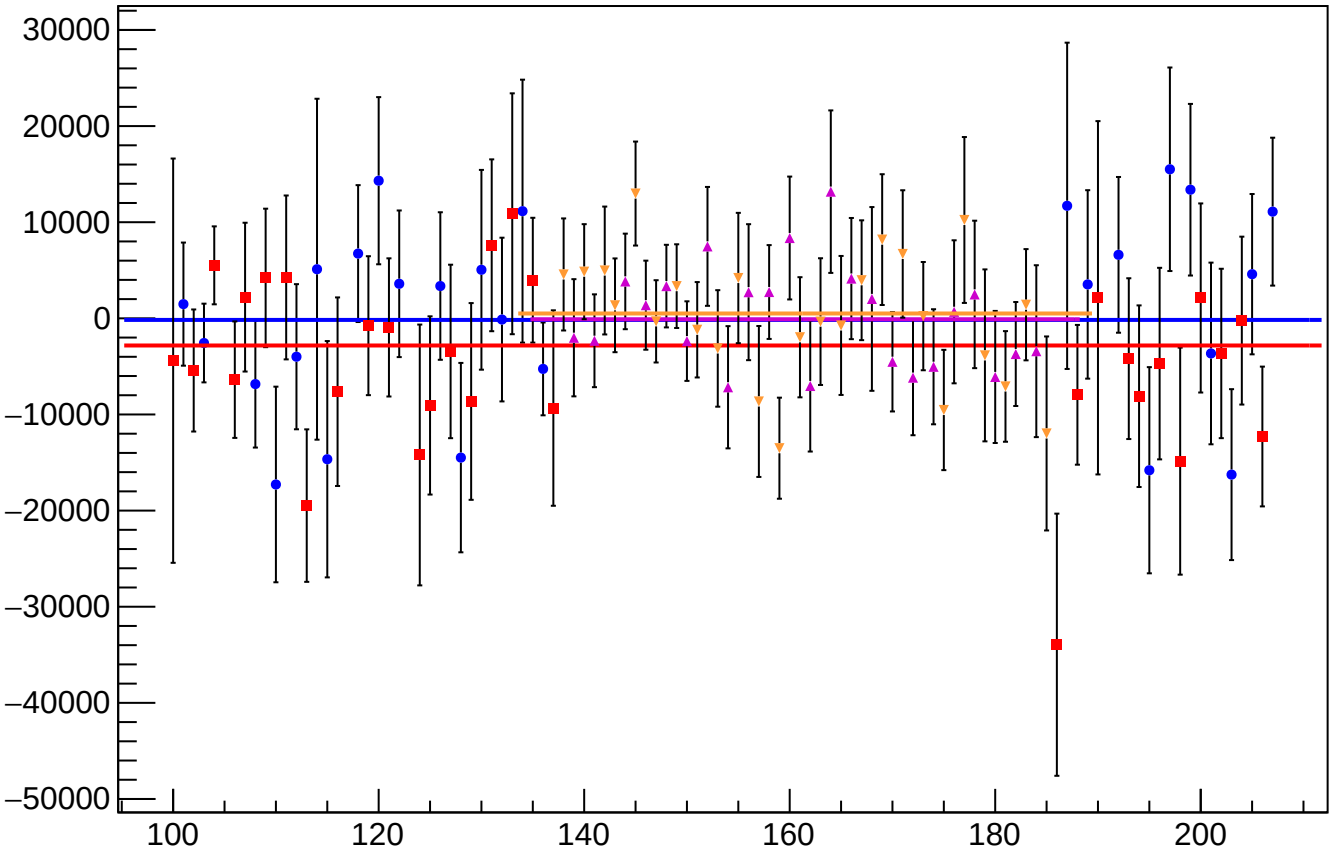
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1621.928+/-0.207 χ^2/NDF: 656079.5/55

In: 1571.745+/-0.193 χ^2/NDF:435161.3/48

Out: 1573.733+/-0.187 χ^2/NDF:397040.5/54

All: 1572.769+/-0.134 χ^2/NDF: 832256.4/103



Right In: -164.248+/-1567.231 χ^2/NDF: 28.2/25

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

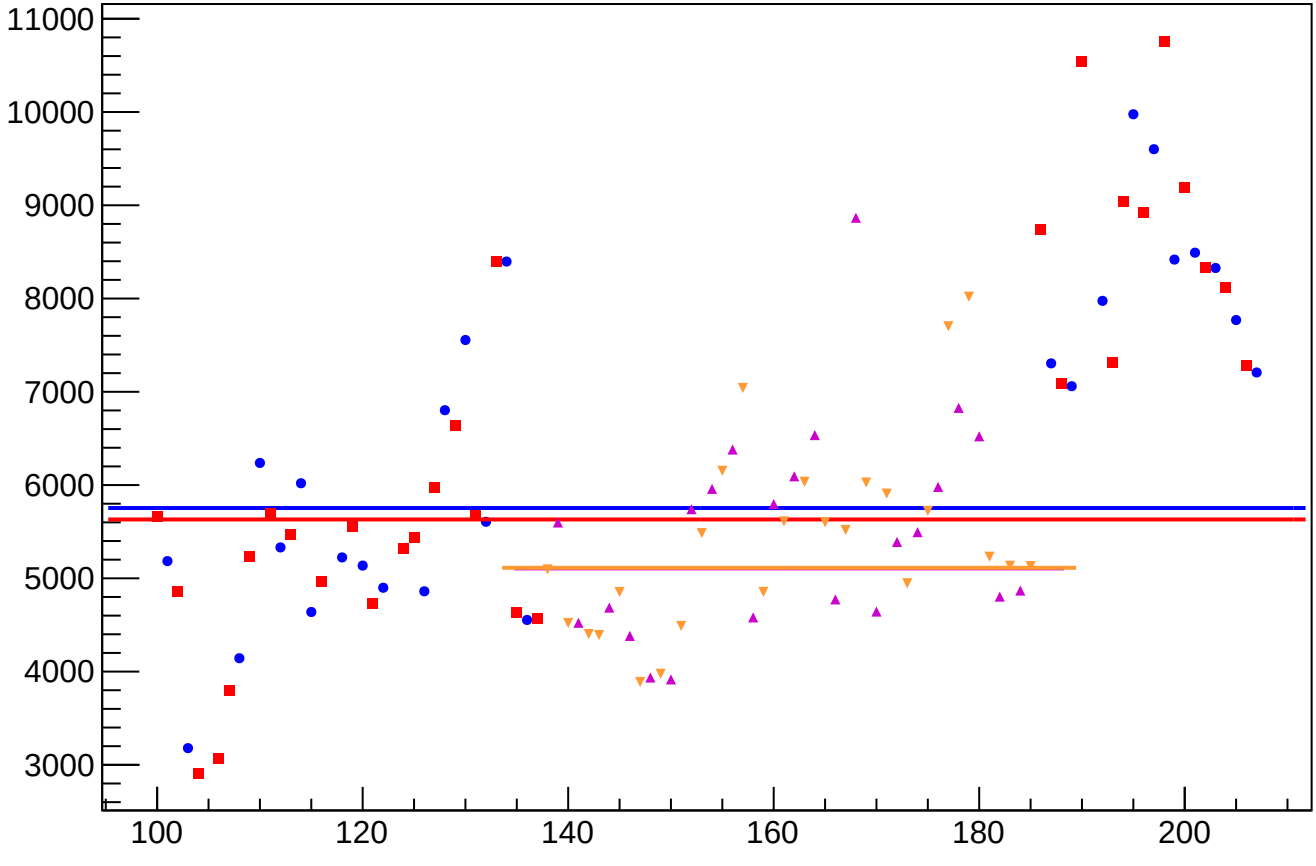
Right: -1555.082+/-1082.583 χ^2/NDF: 56.1/55

In: -122.892+/-961.511 χ^2/NDF:43.0/48

Out: -781.124+/-930.283 χ^2/NDF:56.2/54

All: -462.870+/-668.577 χ^2/NDF: 99.5/103

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5753.814+/-1.108 χ^2/NDF: 2787180.6/25

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

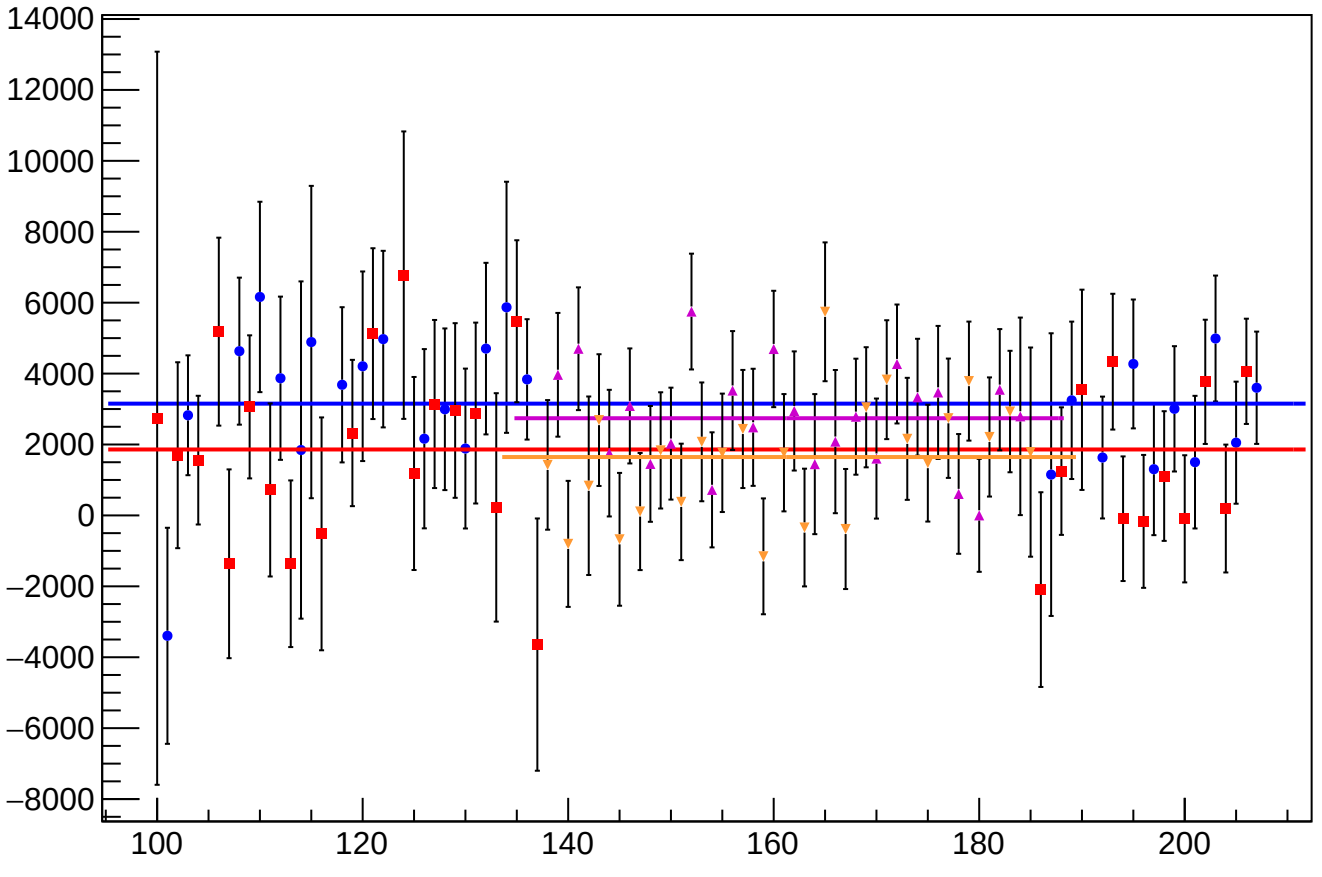
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5689.682+/-0.766 χ^2/NDF: 6414016.0/55

In: 5350.073+/-0.680 χ^2/NDF:4251646.7/48

Out: 5313.019+/-0.658 χ^2/NDF:4926548.7/54

All: 5330.934+/-0.473 χ^2/NDF: 9179729.4/10



Right In: 3152.274+/-421.719 χ^2/NDF: 13.9/25

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

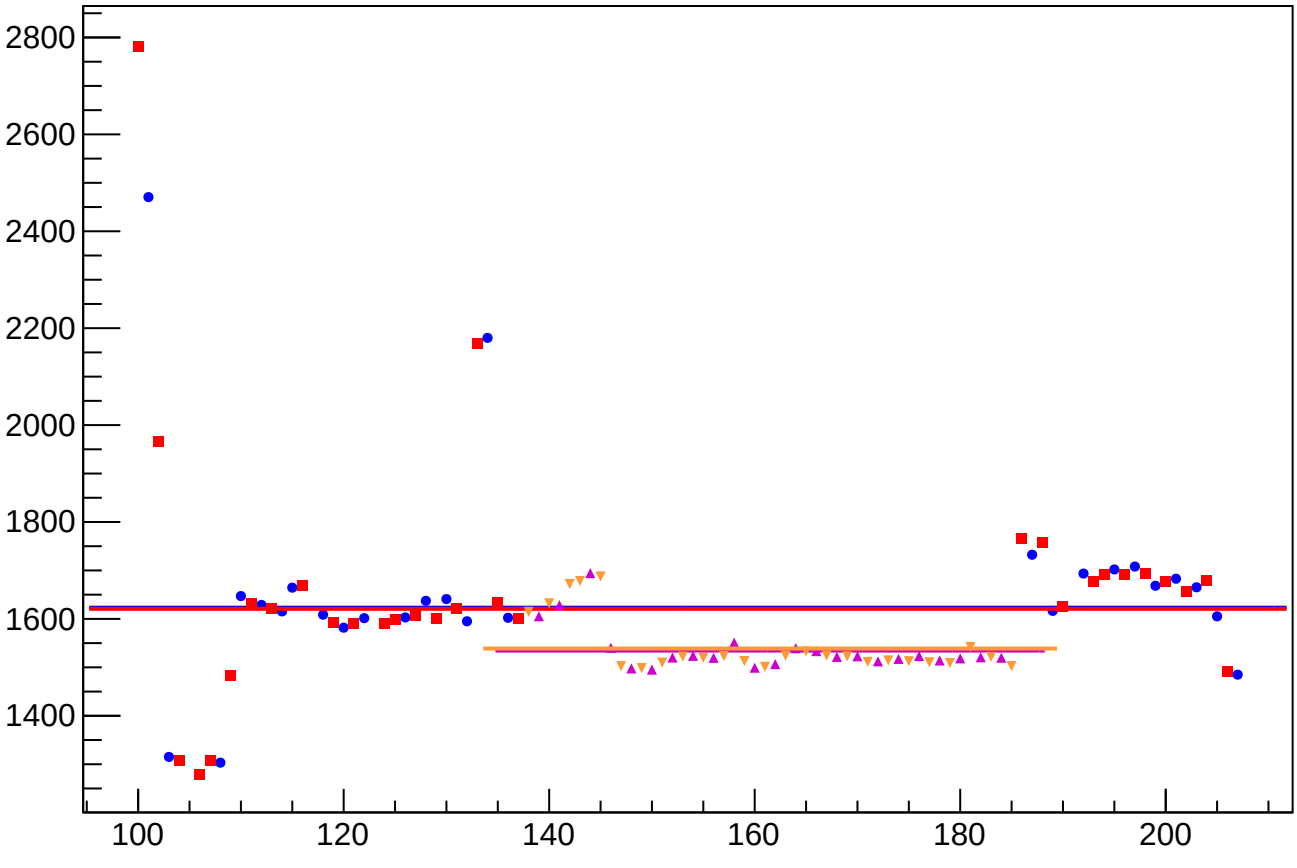
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2482.783+/-292.797 χ^2/NDF: 46.3/55

In: 2913.406+/-273.124 χ^2/NDF:30.9/48

Out: 1736.993+/-265.221 χ^2/NDF:48.7/54

All: 2307.932+/-190.272 χ^2/NDF: 89.1/103



Right In: 1623.136+/-0.298 χ^2/NDF: 352881.0/25

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

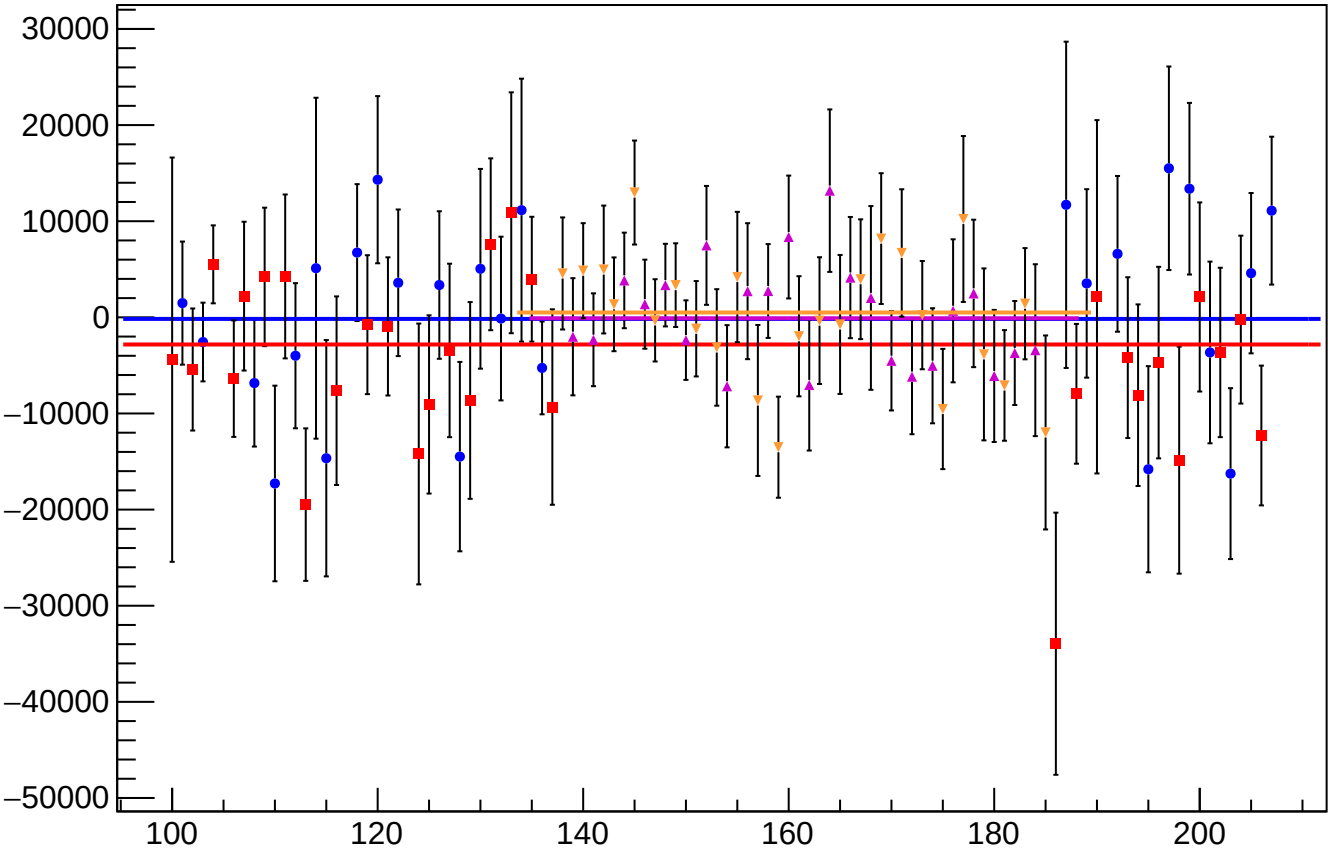
Right: 1621.928+/-0.207 χ^2/NDF: 656079.5/55

In: 1571.745+/-0.193 χ^2/NDF:435161.3/48

Out: 1573.733+/-0.187 χ^2/NDF:397040.5/54

All: 1572.769+/-0.134 χ^2/NDF: 832256.4/103

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -164.248+/-1567.231 χ^2/NDF: 28.2/25

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

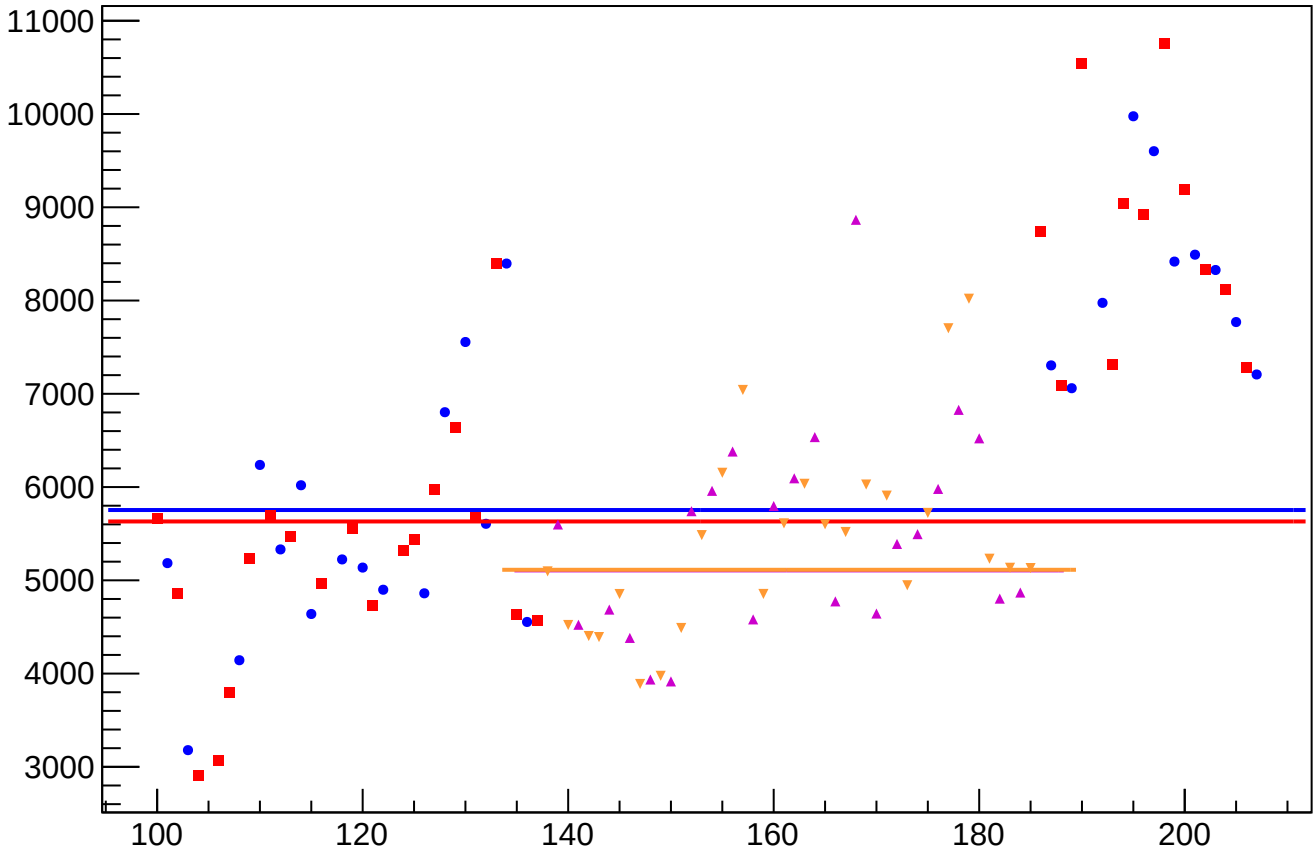
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1555.082+/-1082.583 χ^2/NDF: 56.1/55

In: -122.892+/-961.511 χ^2/NDF:43.0/48

Out: -781.124+/-930.283 χ^2/NDF:56.2/54

All: -462.870+/-668.577 χ^2/NDF: 99.5/103



Right In: 5753.814+/-1.108 χ^2/NDF: 2787180.6/25

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

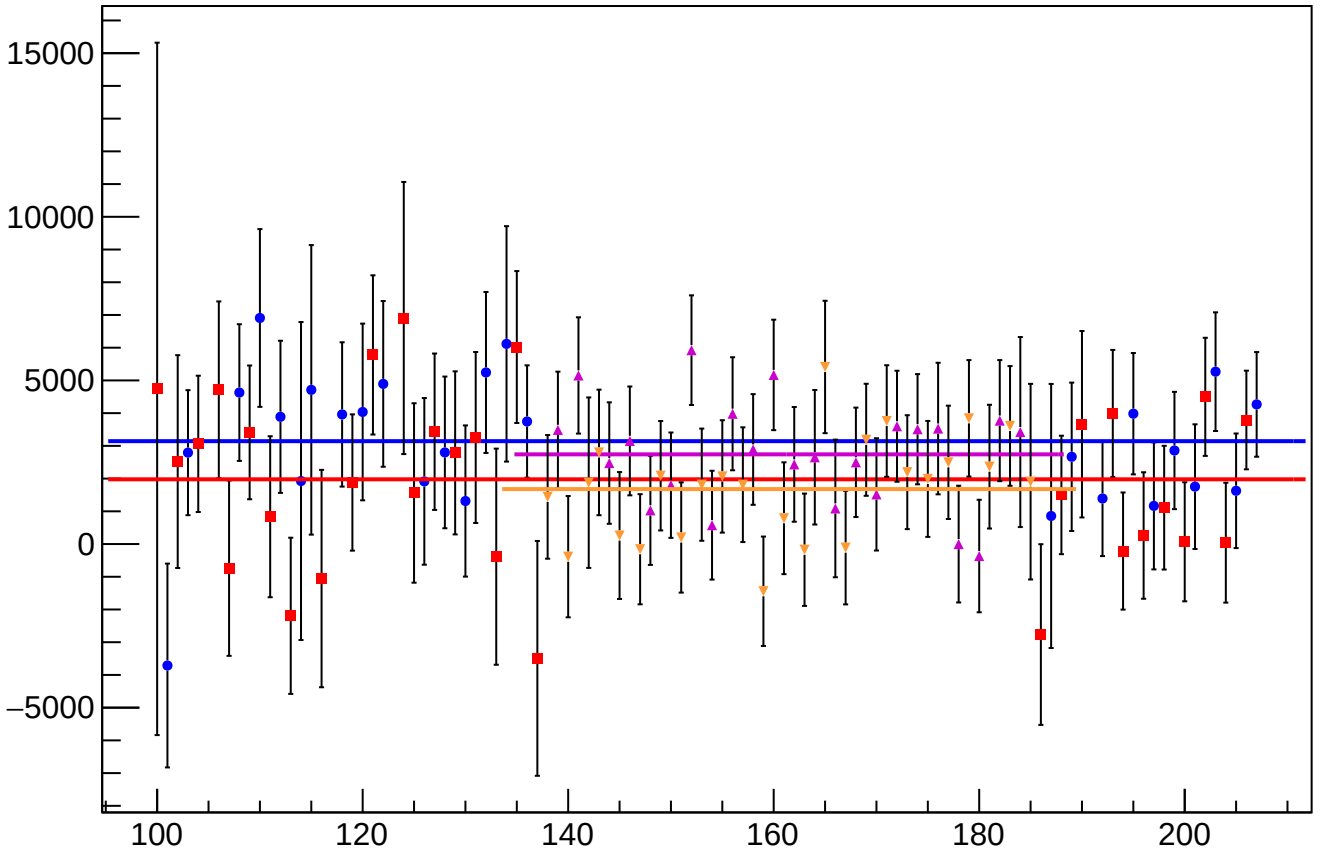
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5689.682+/-0.766 χ^2/NDF: 6414016.0/55

In: 5350.073+/-0.680 χ^2/NDF:4251646.7/48

Out: 5313.019+/-0.658 χ^2/NDF:4926548.7/54

All: 5330.934+/-0.473 χ^2/NDF: 9179729.4/10



Right In: 3143.799+/-431.426 χ^2/NDF: 16.5/25

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

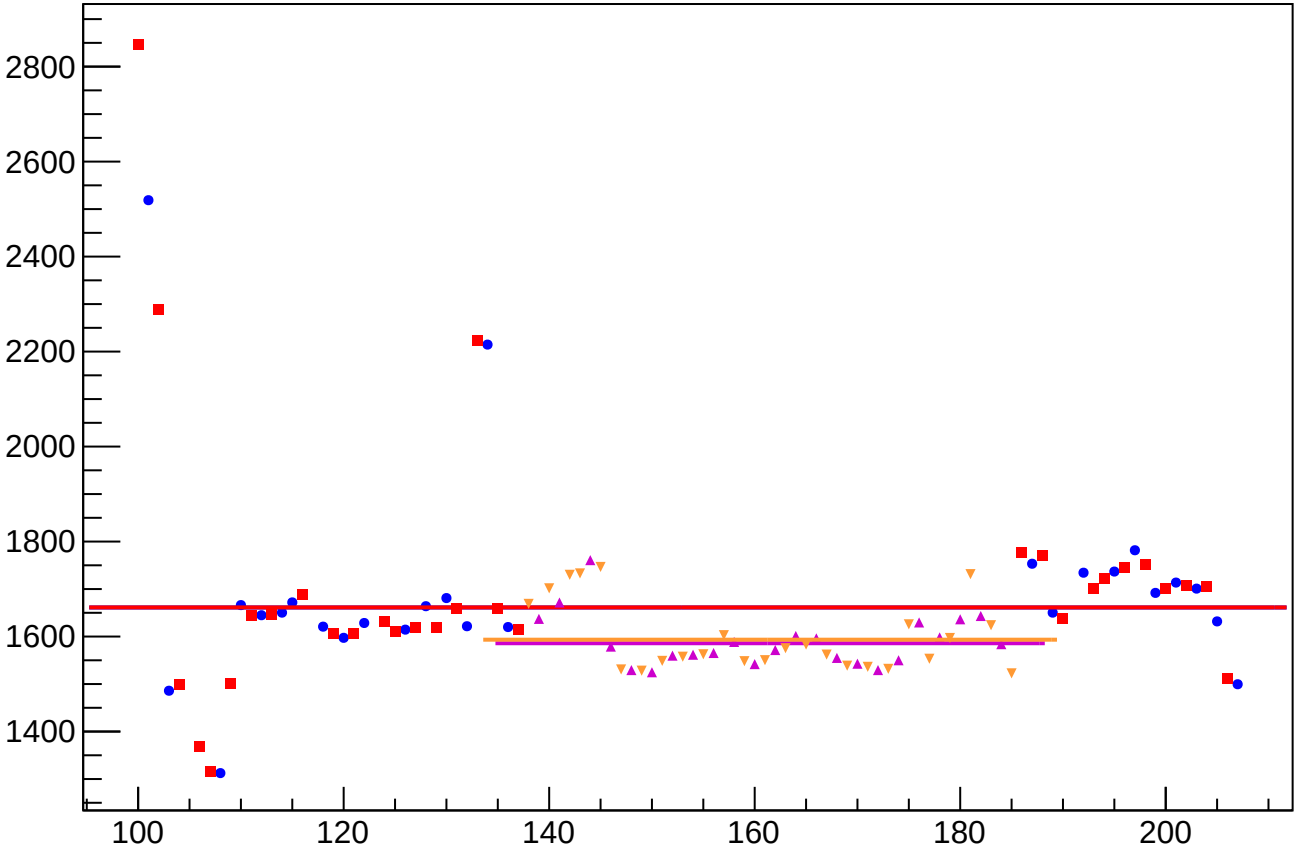
Right: 2541.707+/-299.966 χ^2/NDF: 50.3/55

In: 2911.836+/-281.123 χ^2/NDF:36.2/48

Out: 1807.726+/-273.634 χ^2/NDF:49.3/54

All: 2344.879+/-196.082 χ^2/NDF: 93.4/103

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1661.170+/-0.305 χ^2/NDF: 315977.8/25

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

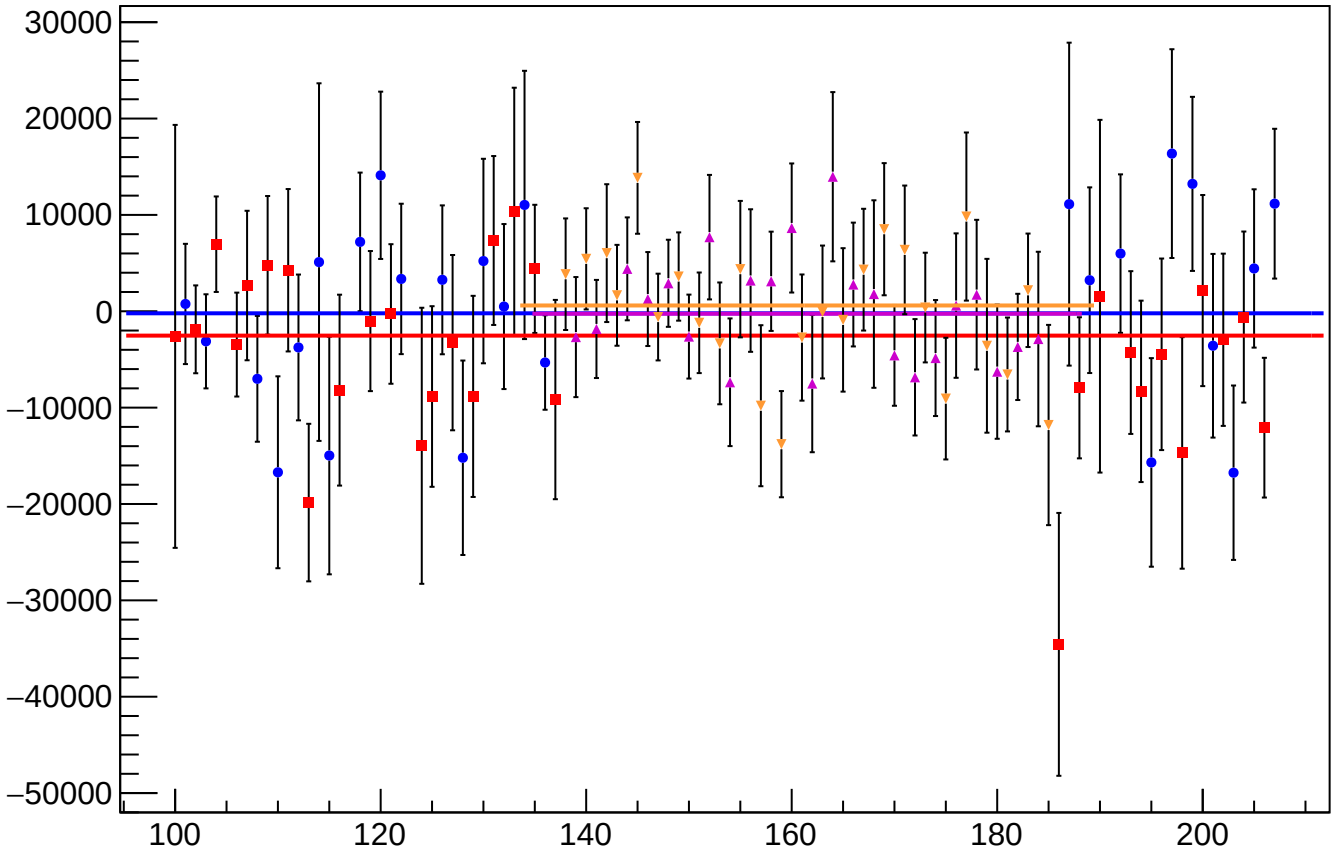
Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

Right: 1661.266+/-0.212 χ^2/NDF: 605455.5/55

In: 1617.870+/-0.199 χ^2/NDF:392905.2/48

Out: 1622.618+/-0.193 χ^2/NDF:391610.3/54

All: 1620.308+/-0.139 χ^2/NDF: 784808.6/103



Right In: -210.525+/-1609.432 χ^2/NDF: 28.0/25

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

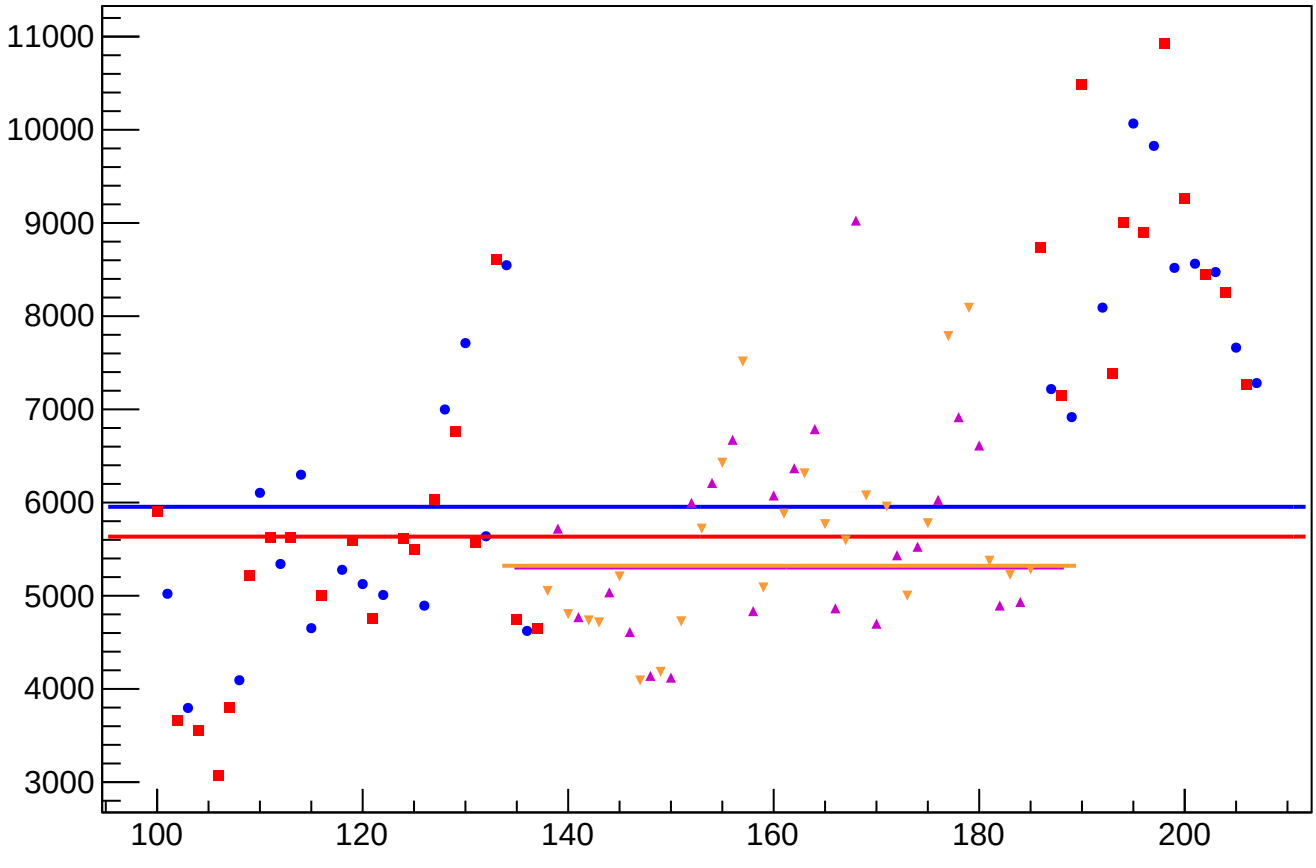
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1458.494+/-1093.104 χ^2/NDF: 54.8/55

In: -238.616+/-993.395 χ^2/NDF:42.7/48

Out: -671.330+/-950.005 χ^2/NDF:54.3/54

All: -464.629+/-686.582 χ^2/NDF: 97.1/103



Right In: 5954.325+/-1.138 χ^2/NDF: 2355287.2/25

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

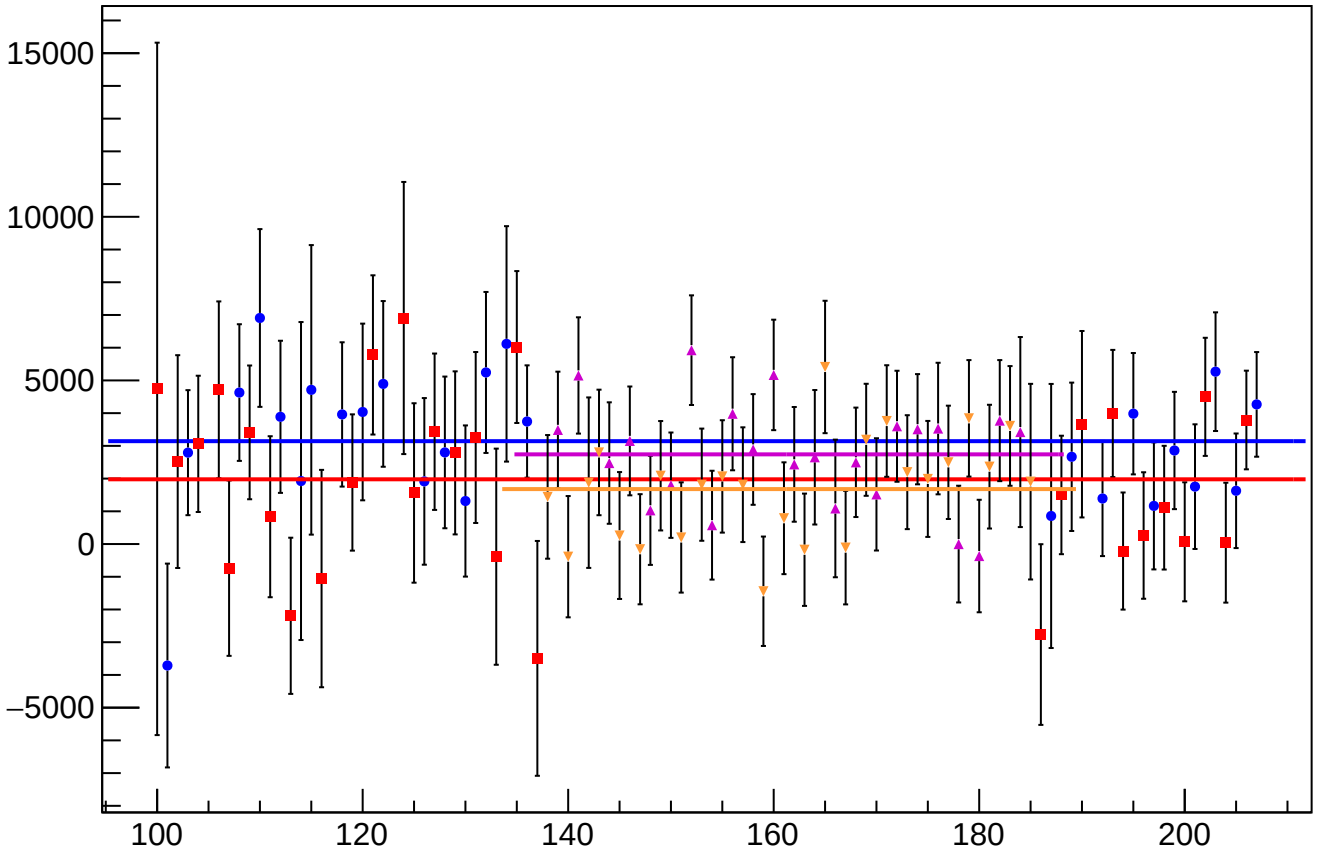
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5781.935+/-0.773 χ^2/NDF: 5937454.9/55

In: 5551.046+/-0.702 χ^2/NDF:3710519.4/48

Out: 5449.054+/-0.672 χ^2/NDF:4628762.2/54

All: 5497.774+/-0.485 χ^2/NDF: 8350293.3/10



Right In: 3143.797+/-431.426 χ^2/NDF: 16.5/25

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

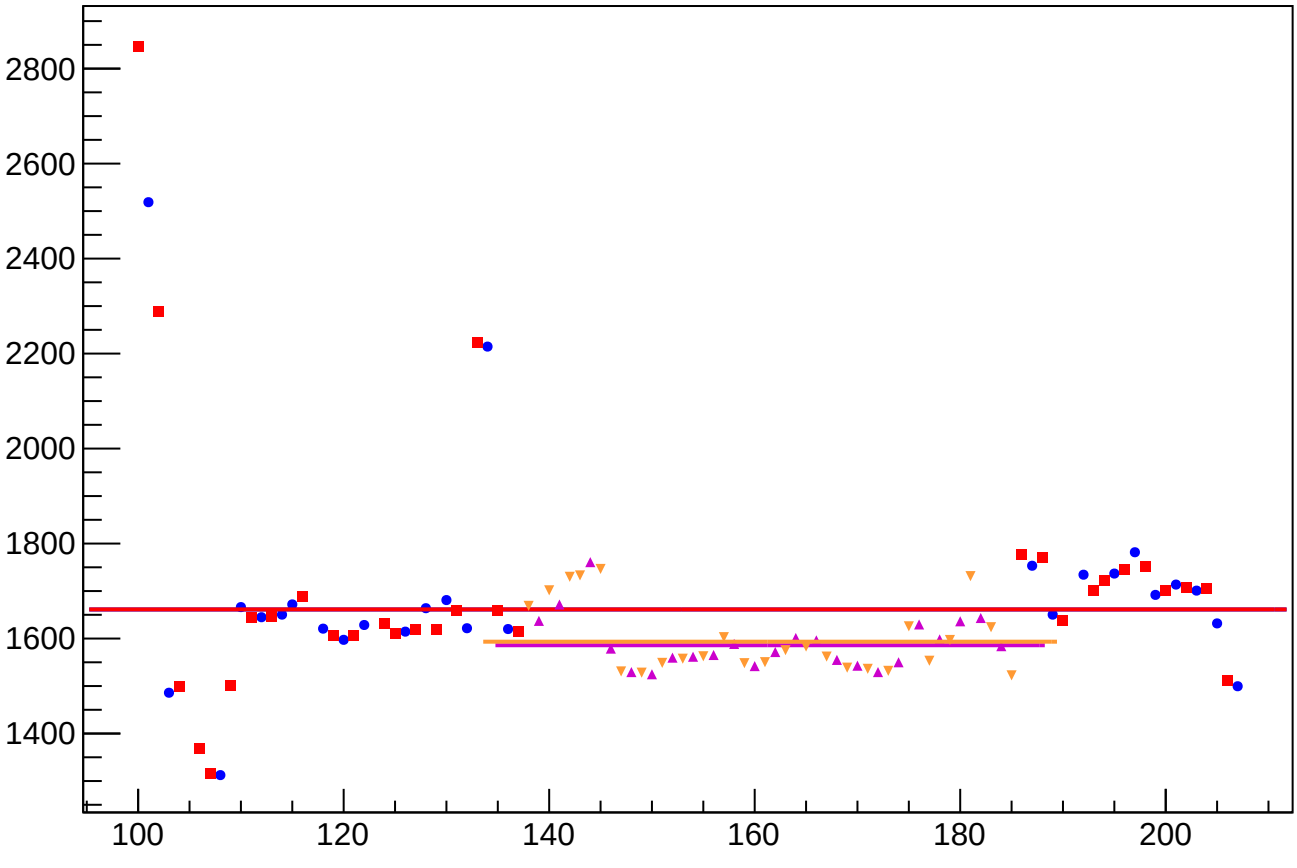
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2541.706+/-299.966 χ^2/NDF: 50.3/55

In: 2911.836+/-281.123 χ^2/NDF:36.2/48

Out: 1807.721+/-273.634 χ^2/NDF:49.3/54

All: 2344.876+/-196.082 χ^2/NDF: 93.4/103



Right In: 1661.169+/-0.305 χ^2/NDF: 315978.0/25

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

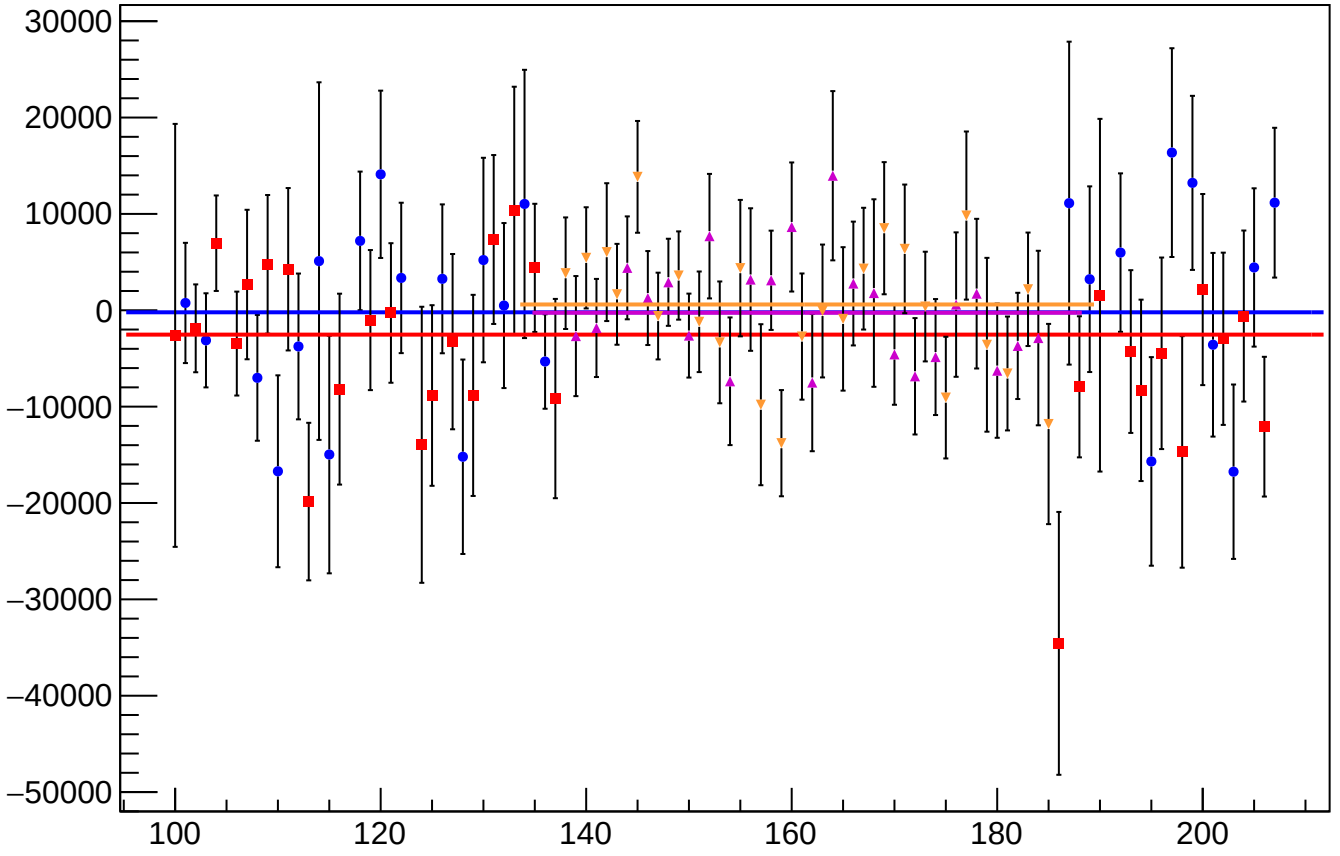
Right: 1661.266+/-0.212 χ^2/NDF: 605455.8/55

In: 1617.870+/-0.199 χ^2/NDF:392903.9/48

Out: 1622.619+/-0.193 χ^2/NDF:391609.5/54

All: 1620.309+/-0.139 χ^2/NDF: 784806.4/103

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -210.518+/-1609.431 χ^2/NDF: 28.0/25

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

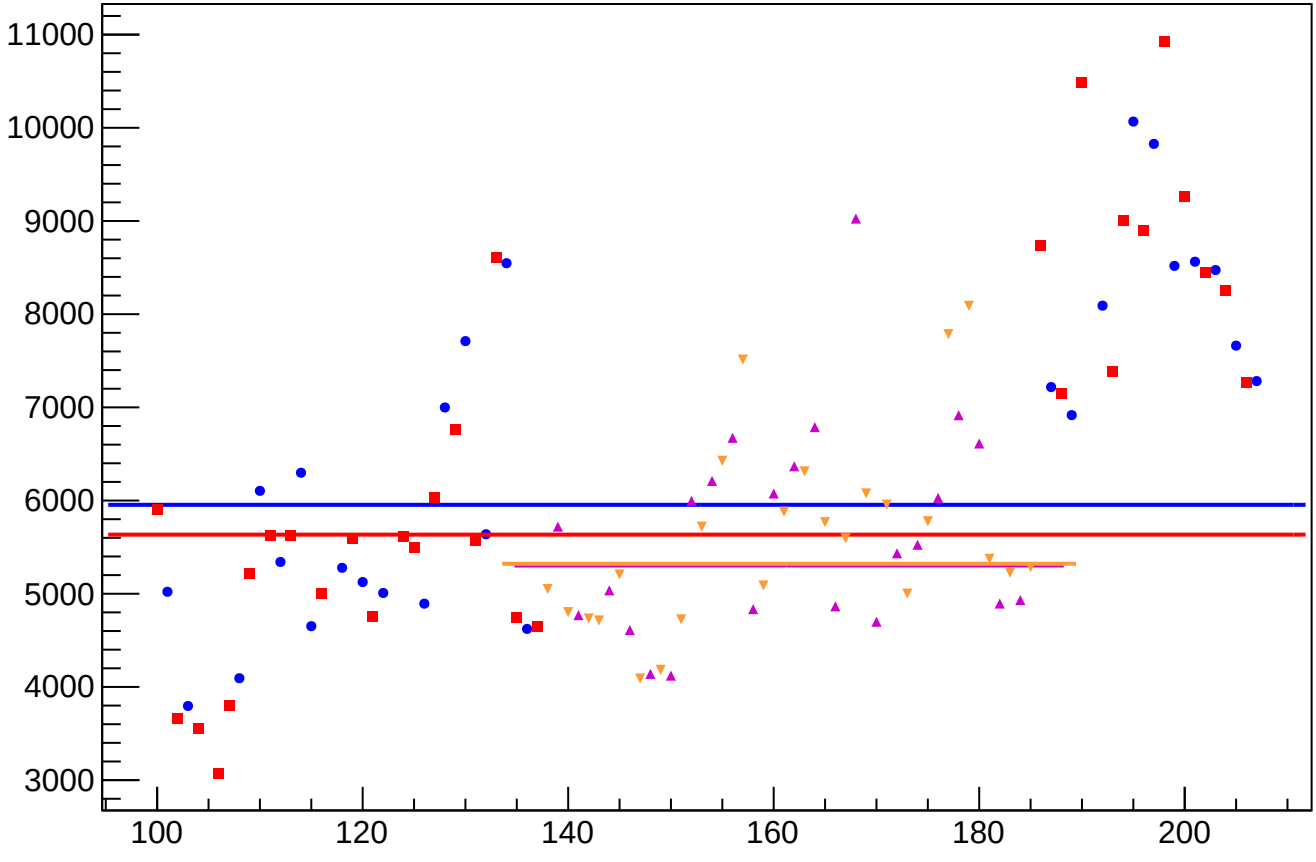
Right: -1458.489+/-1093.103 χ^2/NDF: 54.8/55

In: -238.615+/-993.395 χ^2/NDF:42.7/48

Out: -671.335+/-950.006 χ^2/NDF:54.3/54

All: -464.631+/-686.583 χ^2/NDF: 97.1/103

asym_usr_atr2_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5954.320+/-1.138 χ^2/NDF: 2355298.4/25

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

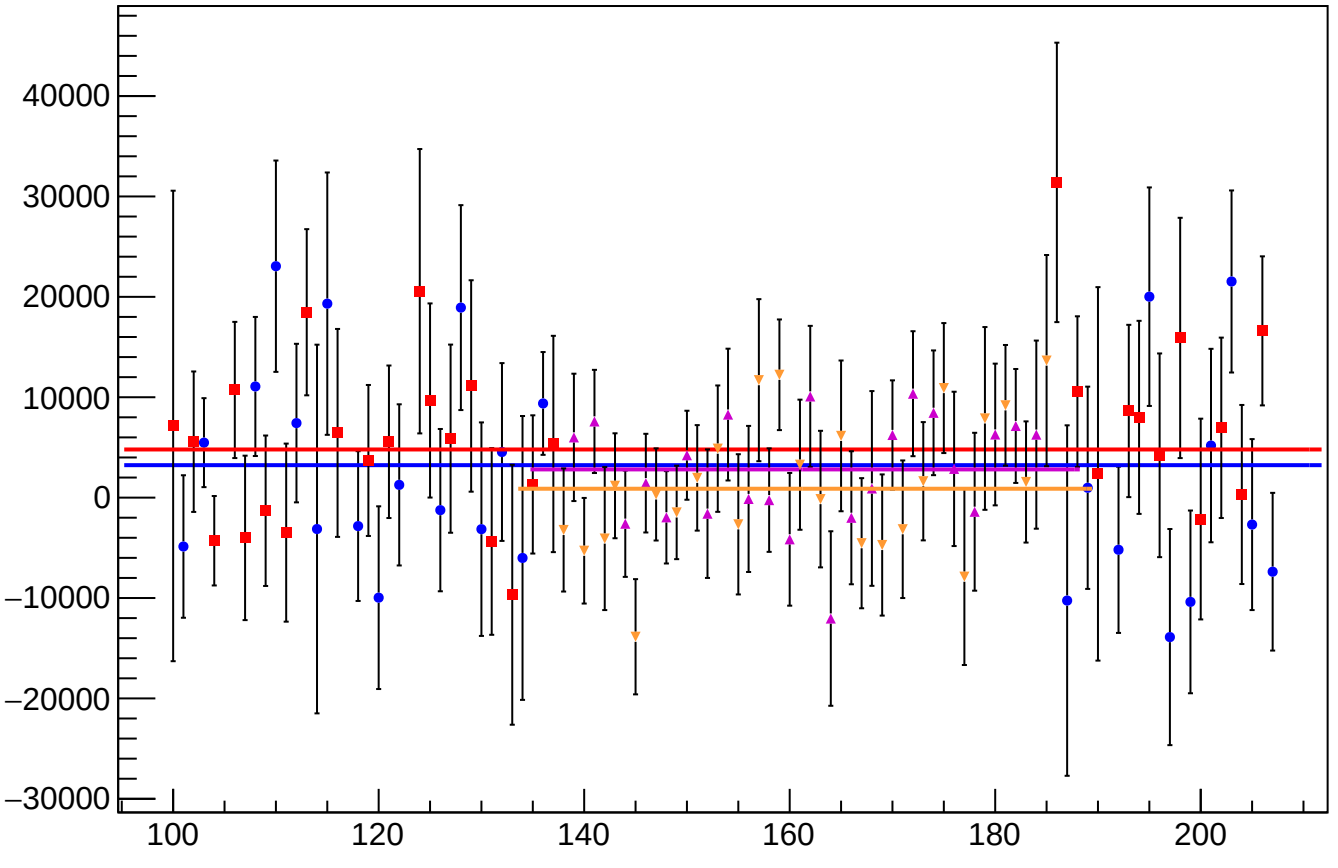
Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

Right: 5781.929+/-0.773 χ^2/NDF: 5937478.7/55

In: 5551.051+/-0.702 χ^2/NDF:3710525.9/48

Out: 5449.057+/-0.672 χ^2/NDF:4628771.5/54

All: 5497.778+/-0.485 χ^2/NDF: 8350309.3/10



Right In: 3234.155+/-1642.882 χ^2/NDF: 31.3/25

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

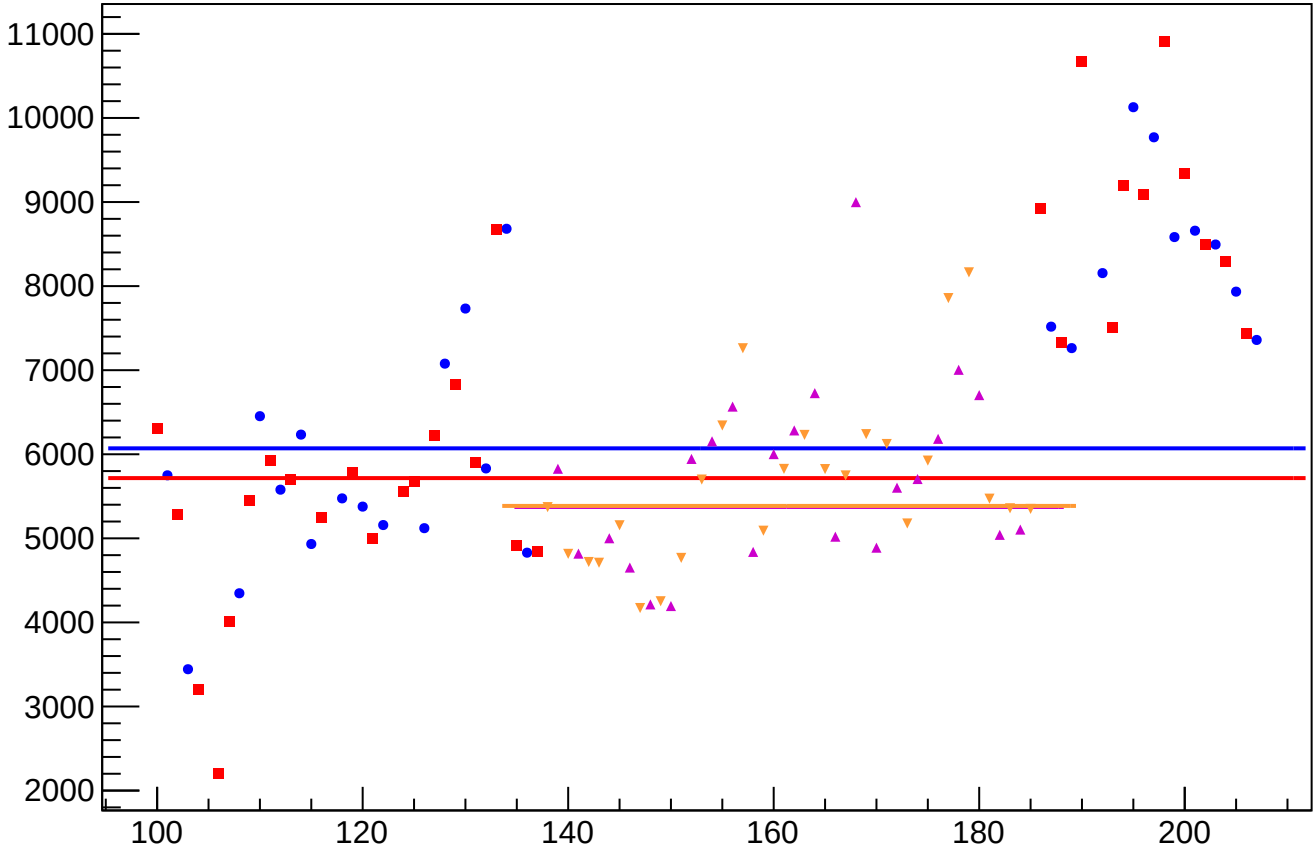
Right: 4047.311+/-1137.698 χ^2/NDF: 55.3/55

In: 2970.222+/-1008.350 χ^2/NDF:46.0/48

Out: 2389.376+/-977.912 χ^2/NDF:53.0/54

All: 2670.900+/-702.002 χ^2/NDF: 99.2/103

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6070.465+/-1.162 χ^2/NDF: 2461844.5/25

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

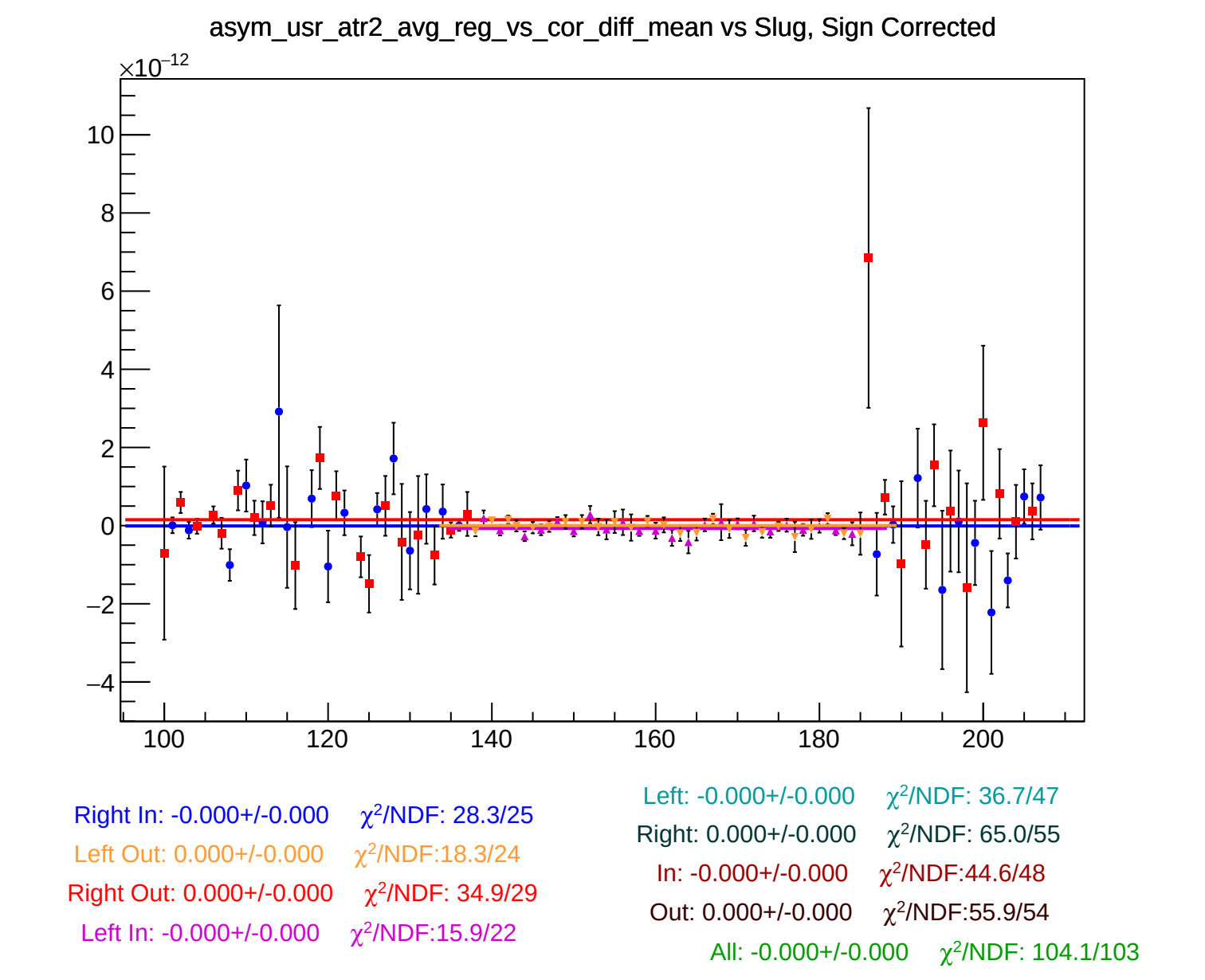
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

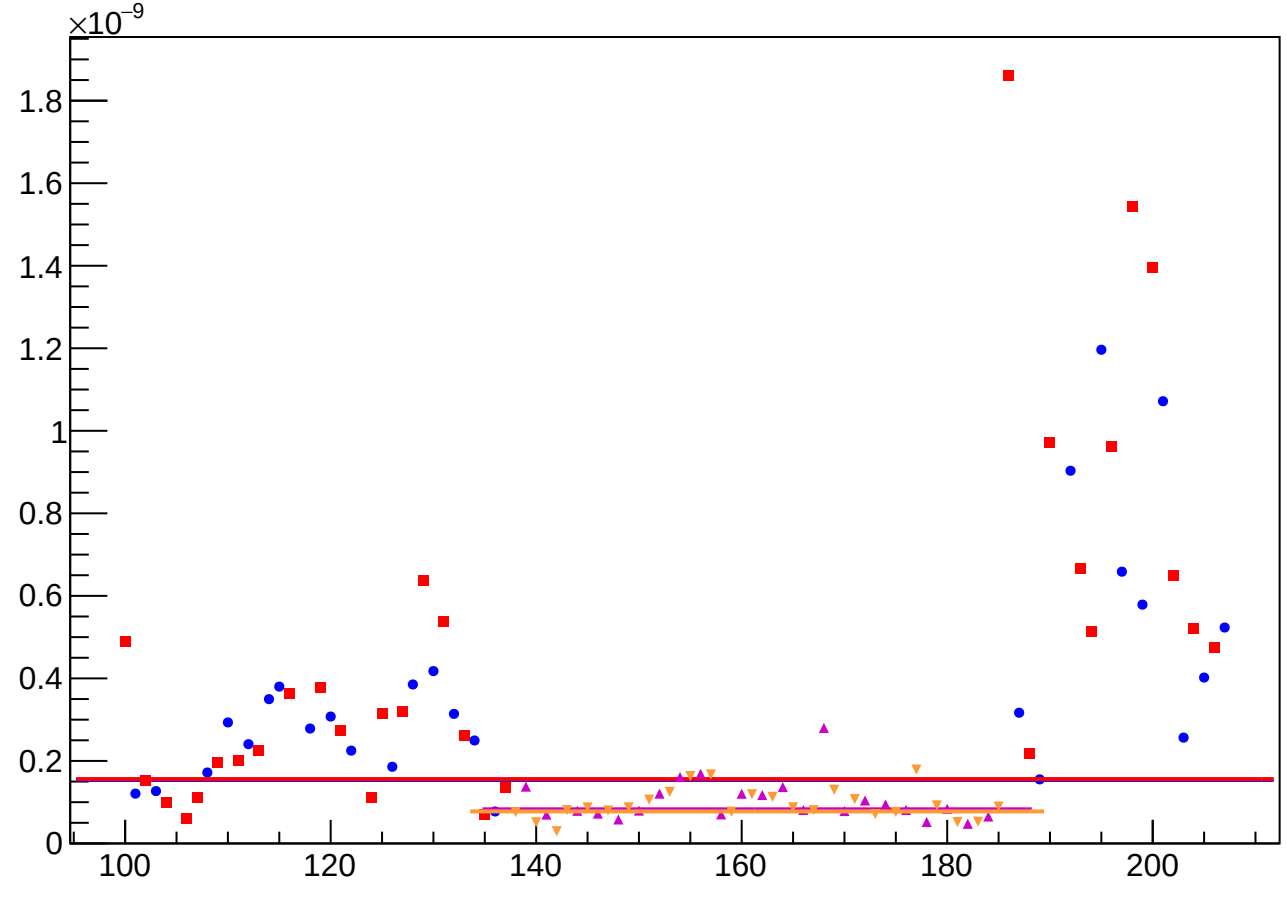
Right: 5881.380+/-0.793 χ^2/NDF: 6564259.2/55

In: 5635.661+/-0.713 χ^2/NDF:3758424.2/48

Out: 5517.256+/-0.684 χ^2/NDF:5095969.2/54

All: 5574.003+/-0.494 χ^2/NDF: 8868753.5/10


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: 28.3/25
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: 65.0/55
In: -0.000+/-0.000 χ²/NDF:44.6/48
Out: 0.000+/-0.000 χ²/NDF:55.9/54
All: -0.000+/-0.000 χ²/NDF: 104.1/103



Right In: 0.000+/-0.000 χ^2/NDF: 4751985.1/25

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

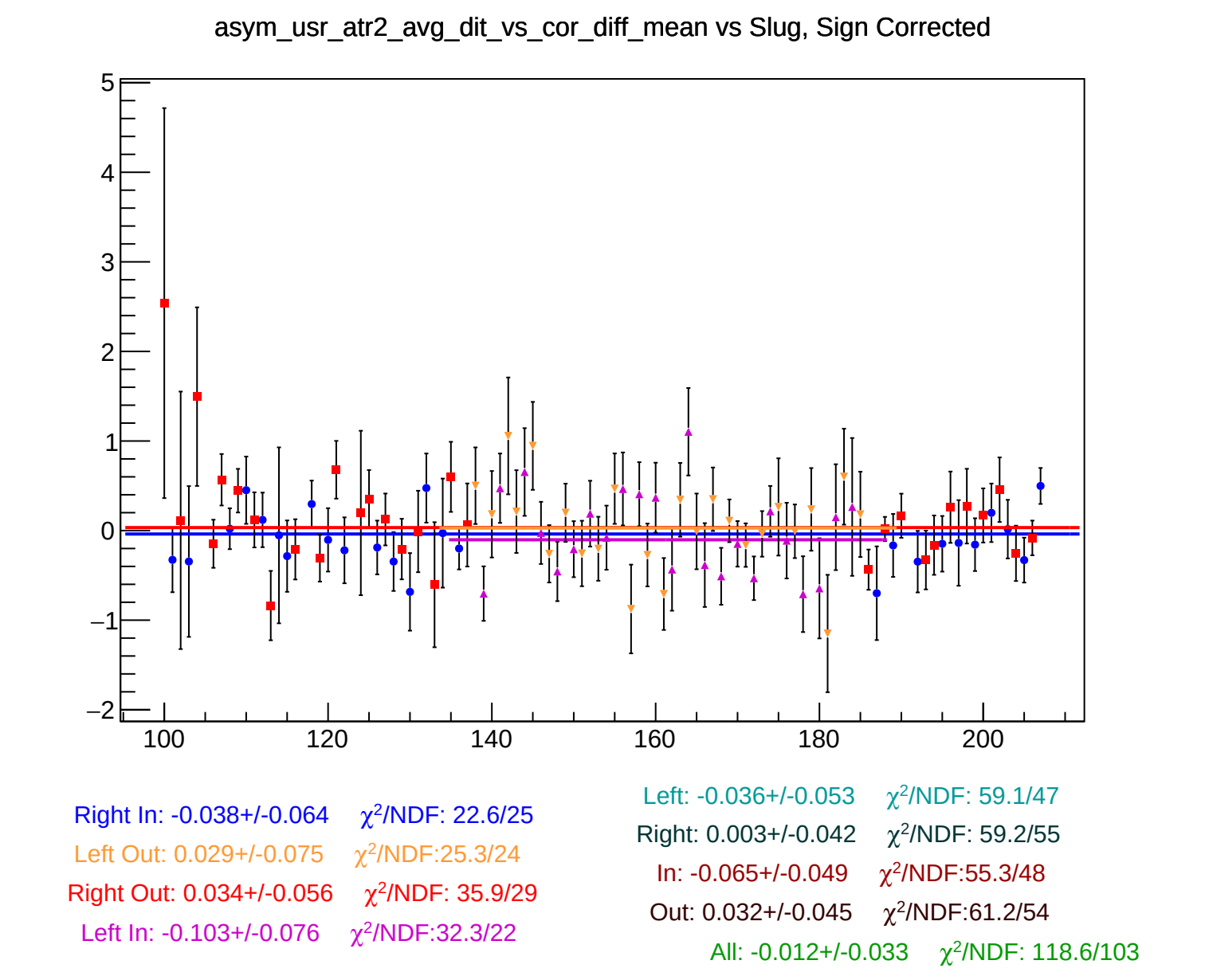
Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

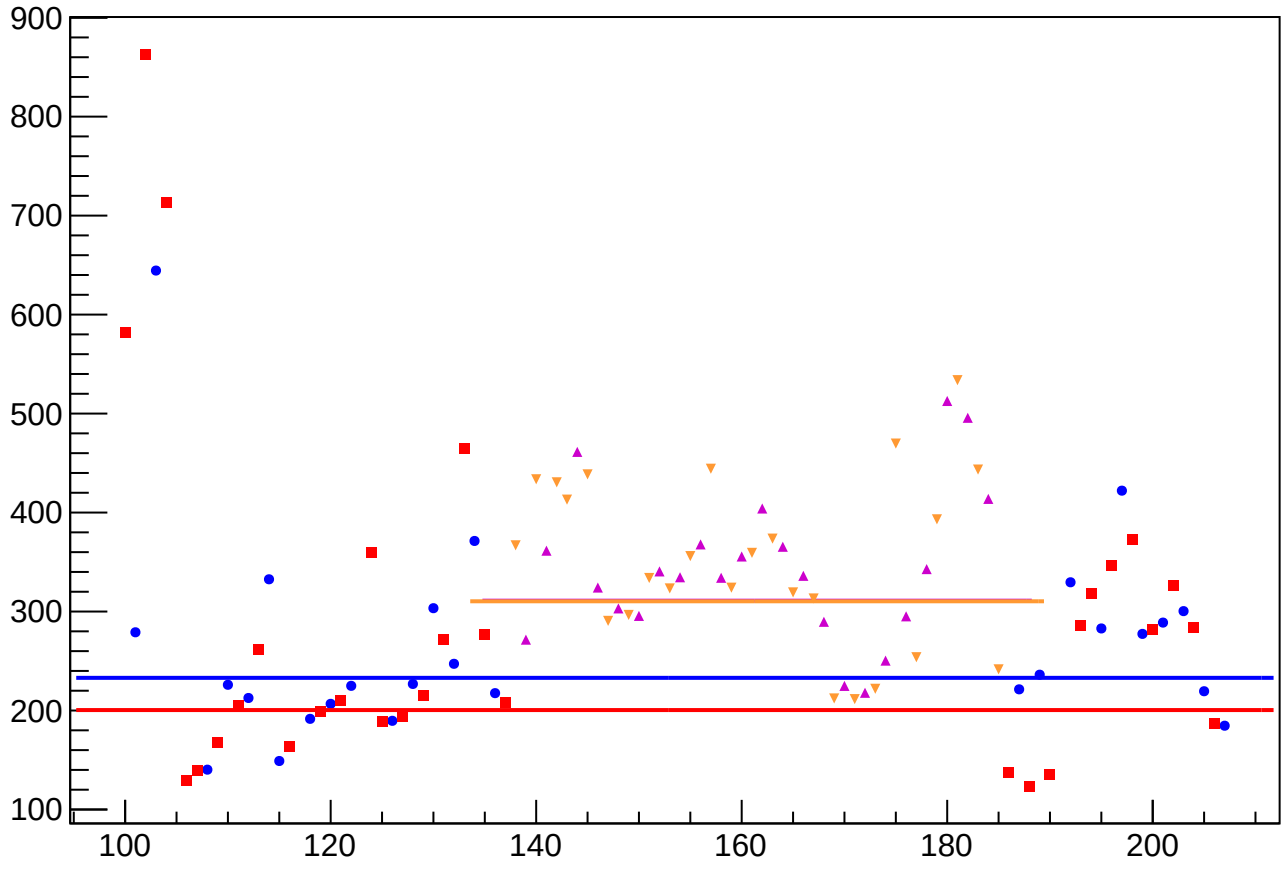
Right: 0.000+/-0.000 χ^2/NDF: 11009712.8/55

In: 0.000+/-0.000 χ^2/NDF:7581360.8/48

Out: 0.000+/-0.000 χ^2/NDF:9371257.2/54

All: 0.000+/-0.000 χ^2/NDF: 16992344.0/103


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: -0.038+/-0.064 χ²/NDF: 22.6/25
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: 0.003+/-0.042 χ²/NDF: 59.2/55
In: -0.065+/-0.049 χ²/NDF:55.3/48
Out: 0.032+/-0.045 χ²/NDF:61.2/54
All: -0.012+/-0.033 χ²/NDF: 118.6/103



Right In: 233.023+/-0.045 χ^2/NDF: 2066986.8/25

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

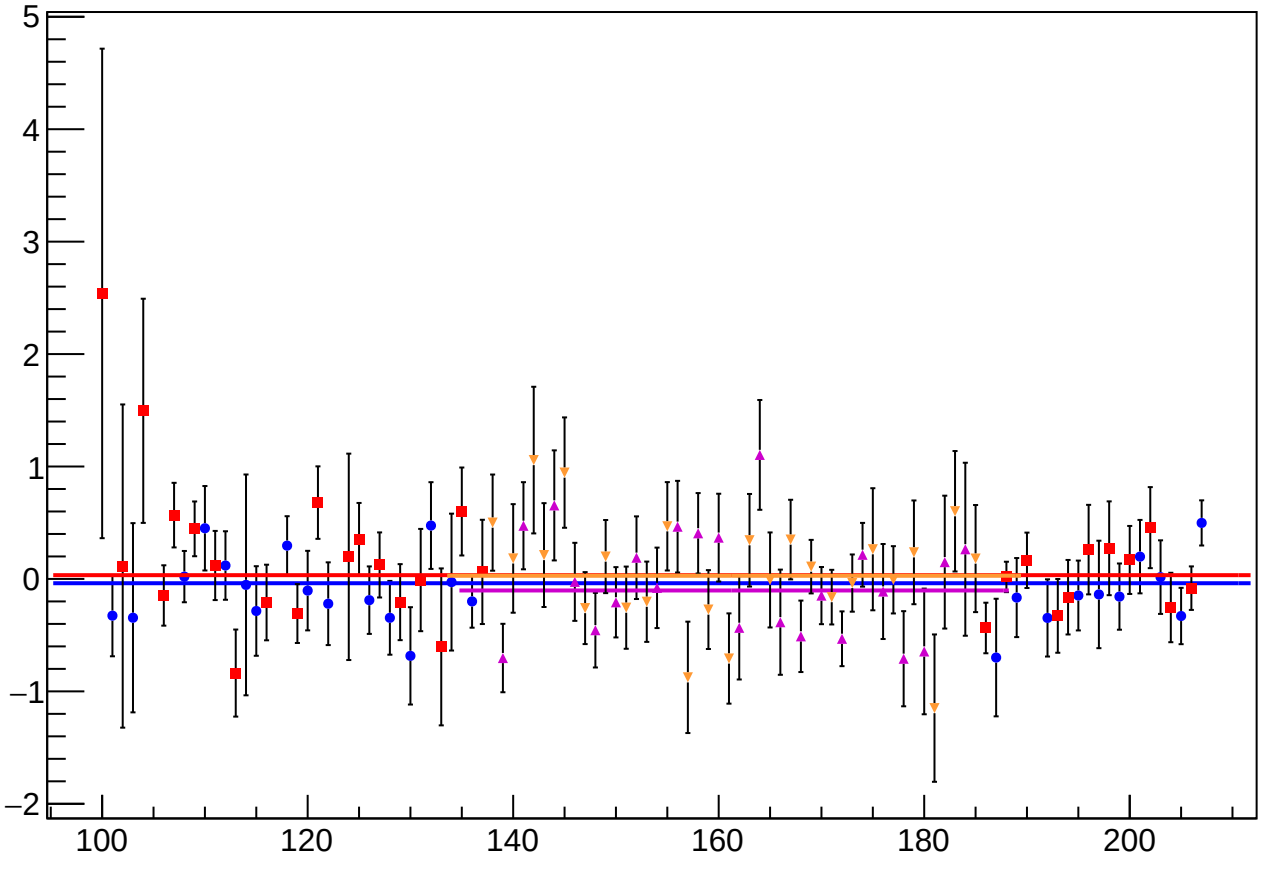
Right: 214.472+/-0.030 χ^2/NDF: 6697830.6/55

In: 265.337+/-0.035 χ^2/NDF:4890410.6/48

Out: 239.813+/-0.032 χ^2/NDF:9481730.8/54

All: 251.374+/-0.023 χ^2/NDF: 14667793.3/10

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.064 χ^2/NDF: 22.6/25

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

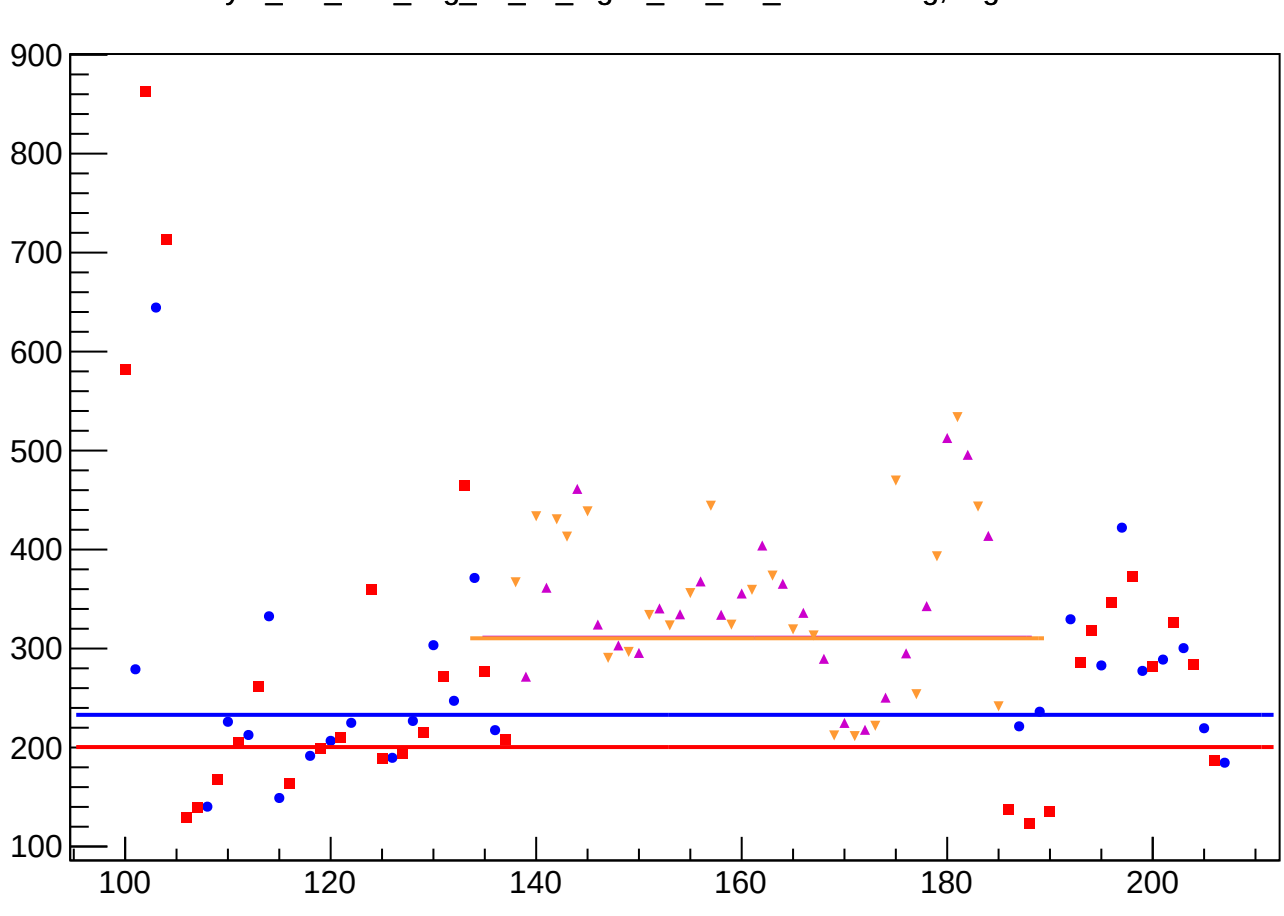
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.003+/-0.042 χ^2/NDF: 59.2/55

In: -0.065+/-0.049 χ^2/NDF:55.3/48

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.012+/-0.033 χ^2/NDF: 118.6/103



Right In: 233.023+/-0.045 χ^2/NDF: 2066986.8/25

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

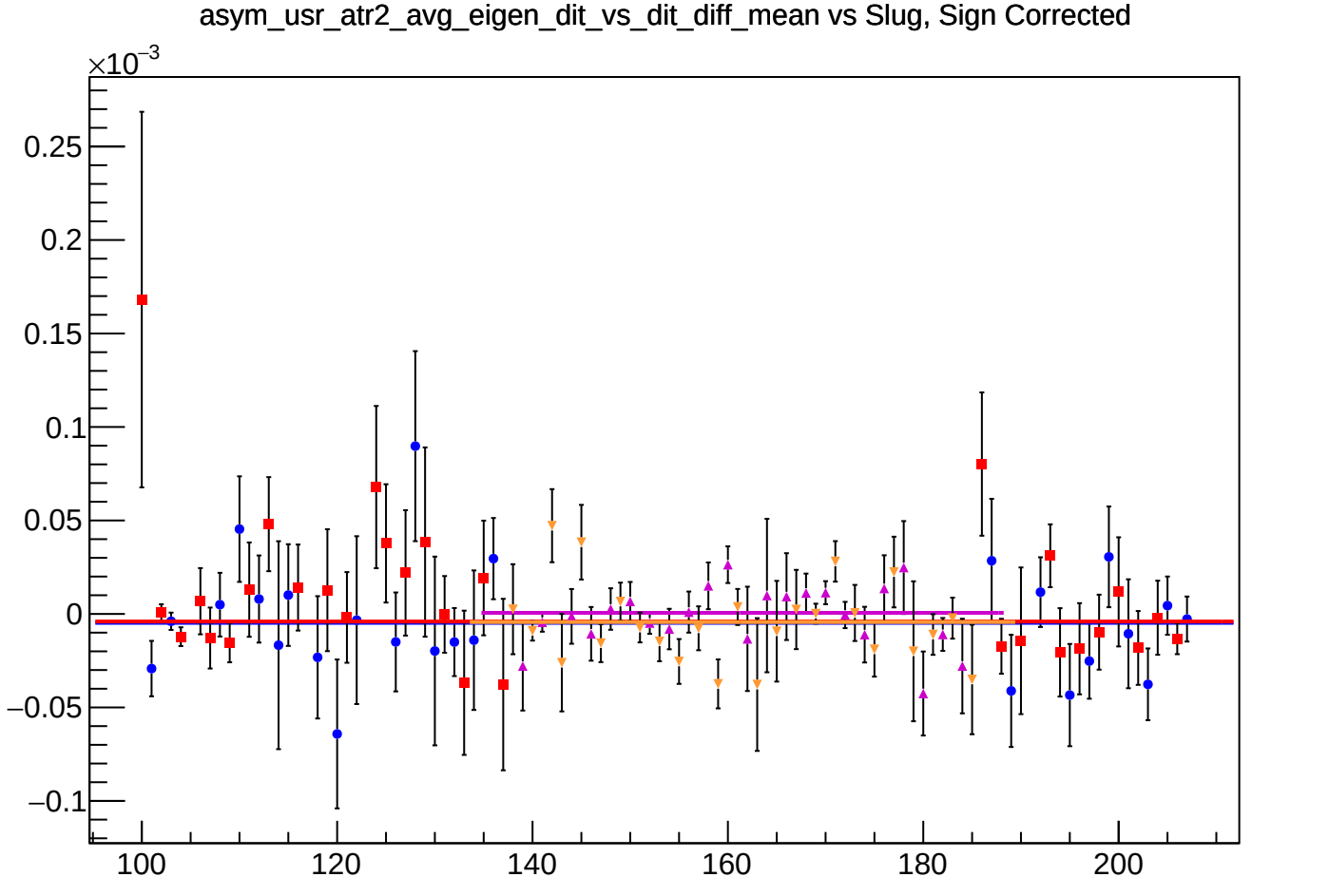
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 214.472+/-0.030 χ^2/NDF: 6697830.6/55

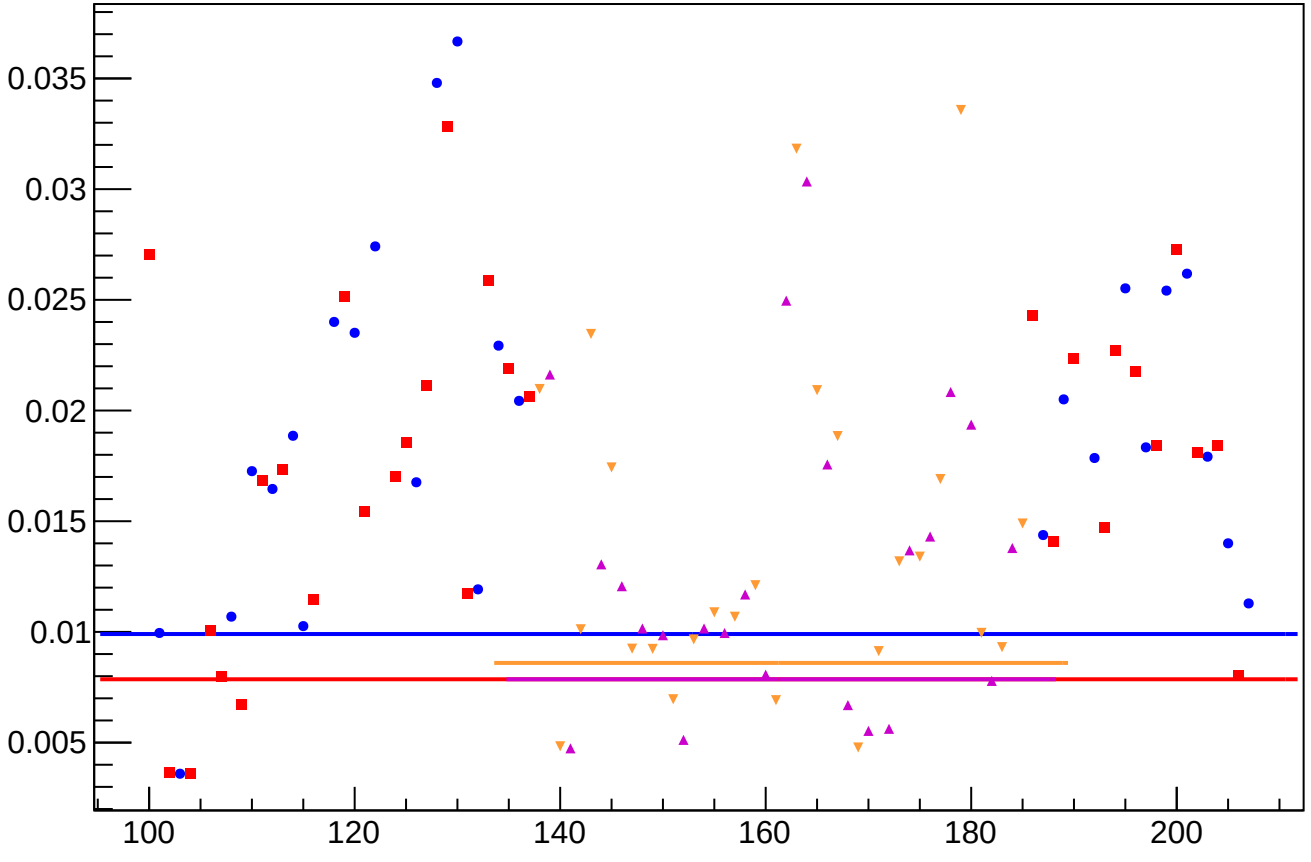
In: 265.337+/-0.035 χ^2/NDF:4890410.6/48

Out: 239.813+/-0.032 χ^2/NDF:9481730.8/54

All: 251.374+/-0.023 χ^2/NDF: 14667793.3/10


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: 27.4/25
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: 62.2/55
In: -0.000+/-0.000 χ²/NDF:55.8/48
Out: -0.000+/-0.000 χ²/NDF:77.1/54
All: -0.000+/-0.000 χ²/NDF: 134.6/103

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 10352112.4/25

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

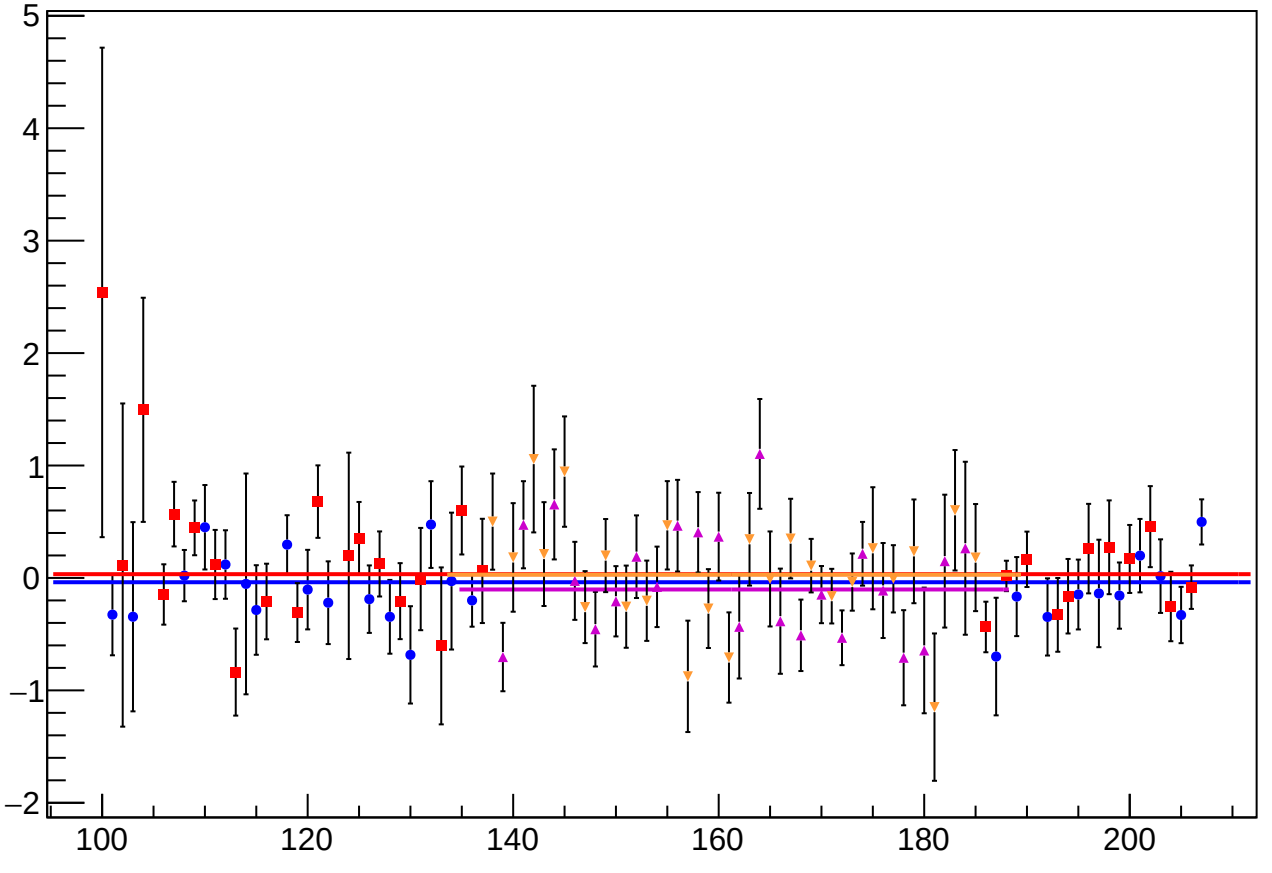
Right: 0.009+/-0.000 χ^2/NDF: 22963717.8/55

In: 0.008+/-0.000 χ^2/NDF:17682767.2/48

Out: 0.008+/-0.000 χ^2/NDF:19868755.3/54

All: 0.008+/-0.000 χ^2/NDF: 37565663.9/103

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.064 χ^2/NDF: 22.6/25

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

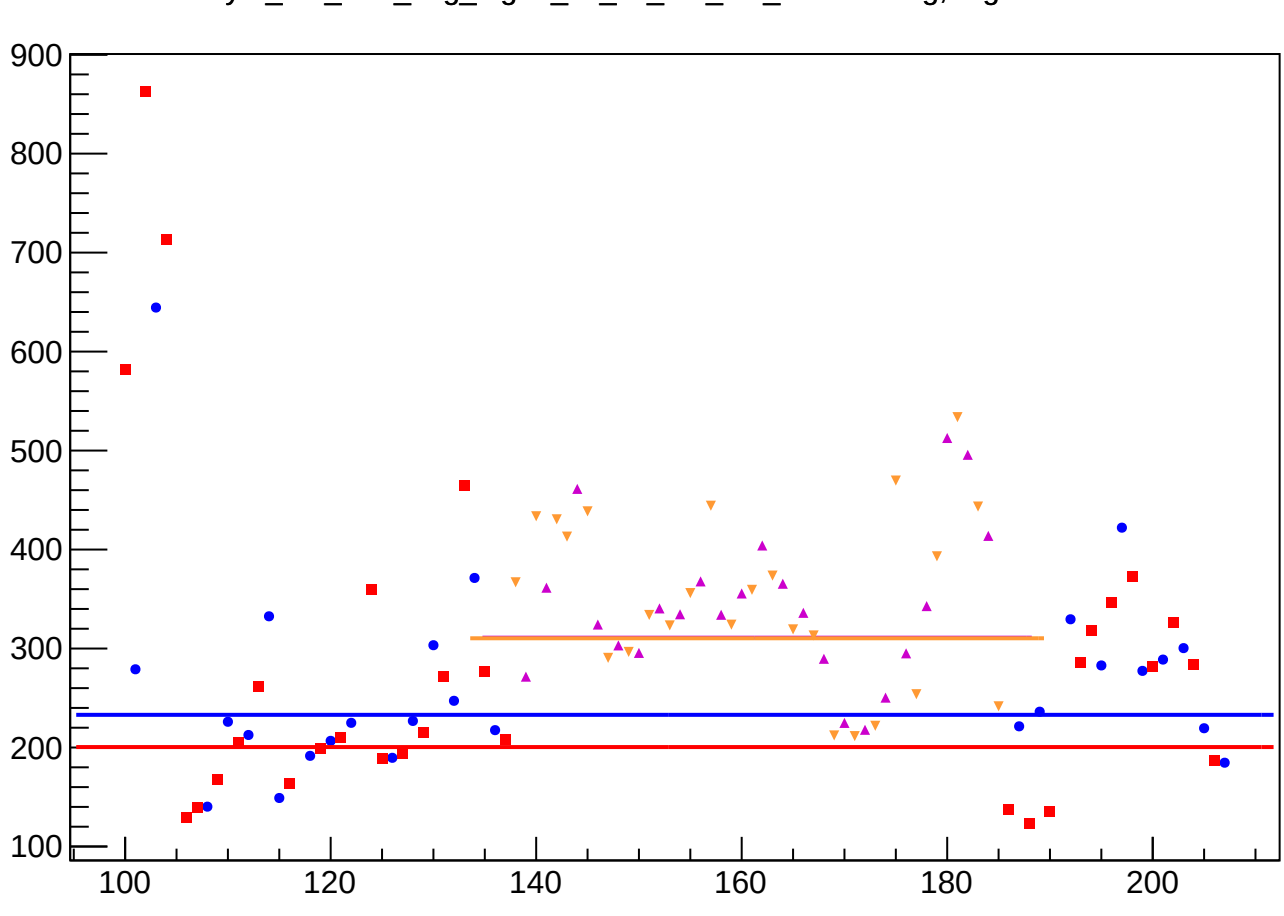
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: 0.003+/-0.042 χ^2/NDF: 59.2/55

In: -0.065+/-0.049 χ^2/NDF:55.3/48

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.012+/-0.033 χ^2/NDF: 118.6/103



Right In: 233.022+/-0.045 χ^2/NDF: 2066975.6/25

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

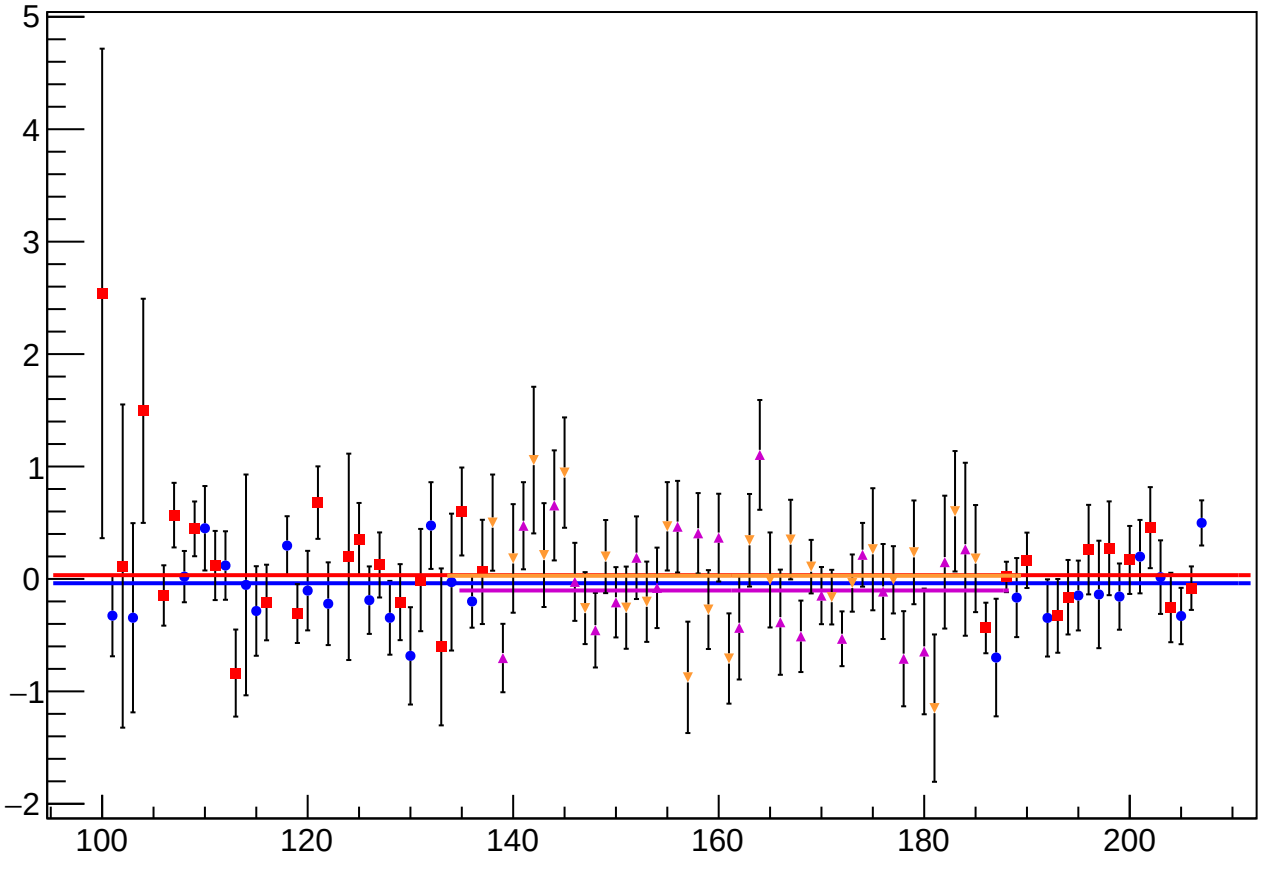
Right: 214.470+/-0.030 χ^2/NDF: 6698021.3/55

In: 265.337+/-0.035 χ^2/NDF:4890535.5/48

Out: 239.812+/-0.032 χ^2/NDF:9482216.7/54

All: 251.374+/-0.023 χ^2/NDF: 14668449.4/10

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.038+/-0.064 χ^2/NDF: 22.6/25

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

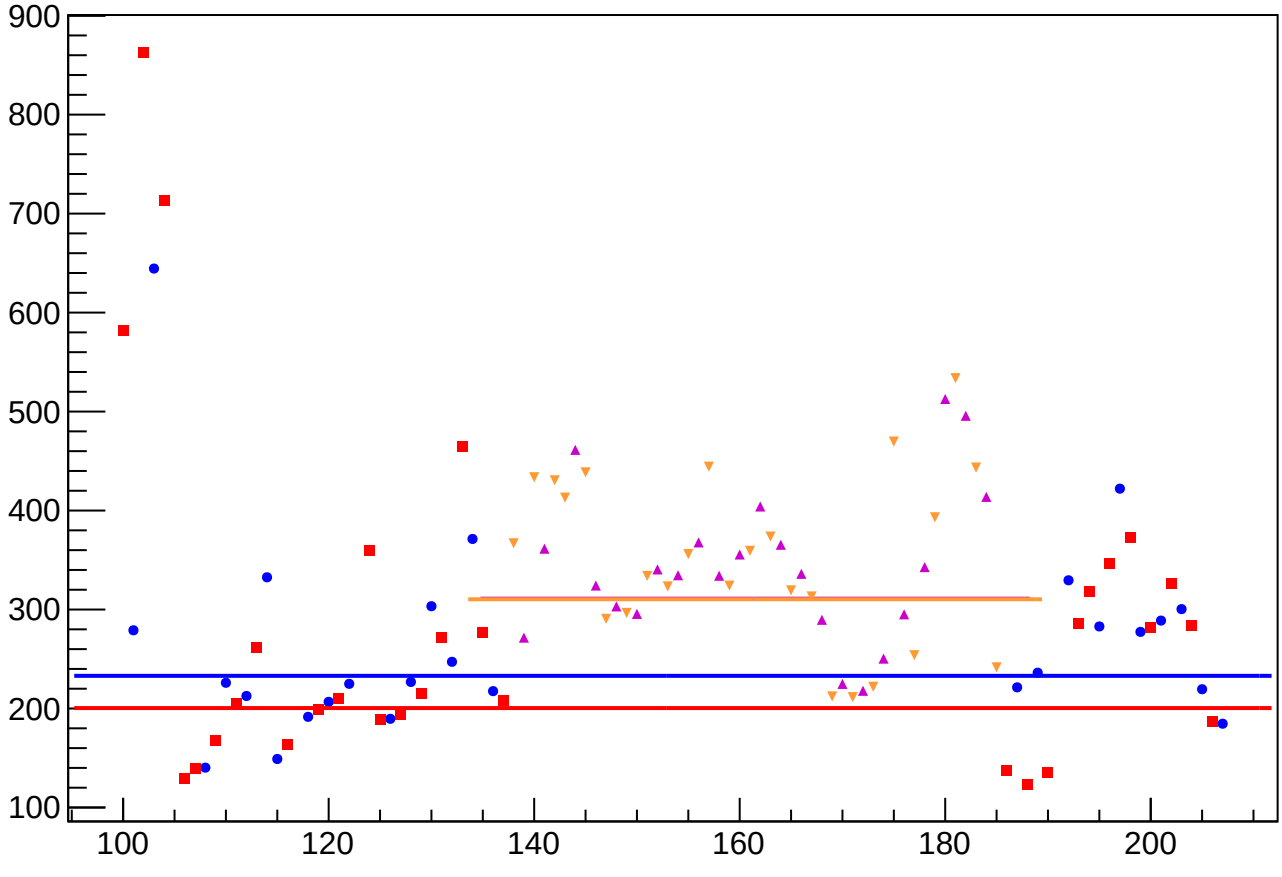
Right: 0.003+/-0.042 χ^2/NDF: 59.2/55

In: -0.065+/-0.049 χ^2/NDF:55.3/48

Out: 0.032+/-0.045 χ^2/NDF:61.2/54

All: -0.012+/-0.033 χ^2/NDF: 118.6/103

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 233.022+/-0.045 χ^2/NDF: 2066975.6/25

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

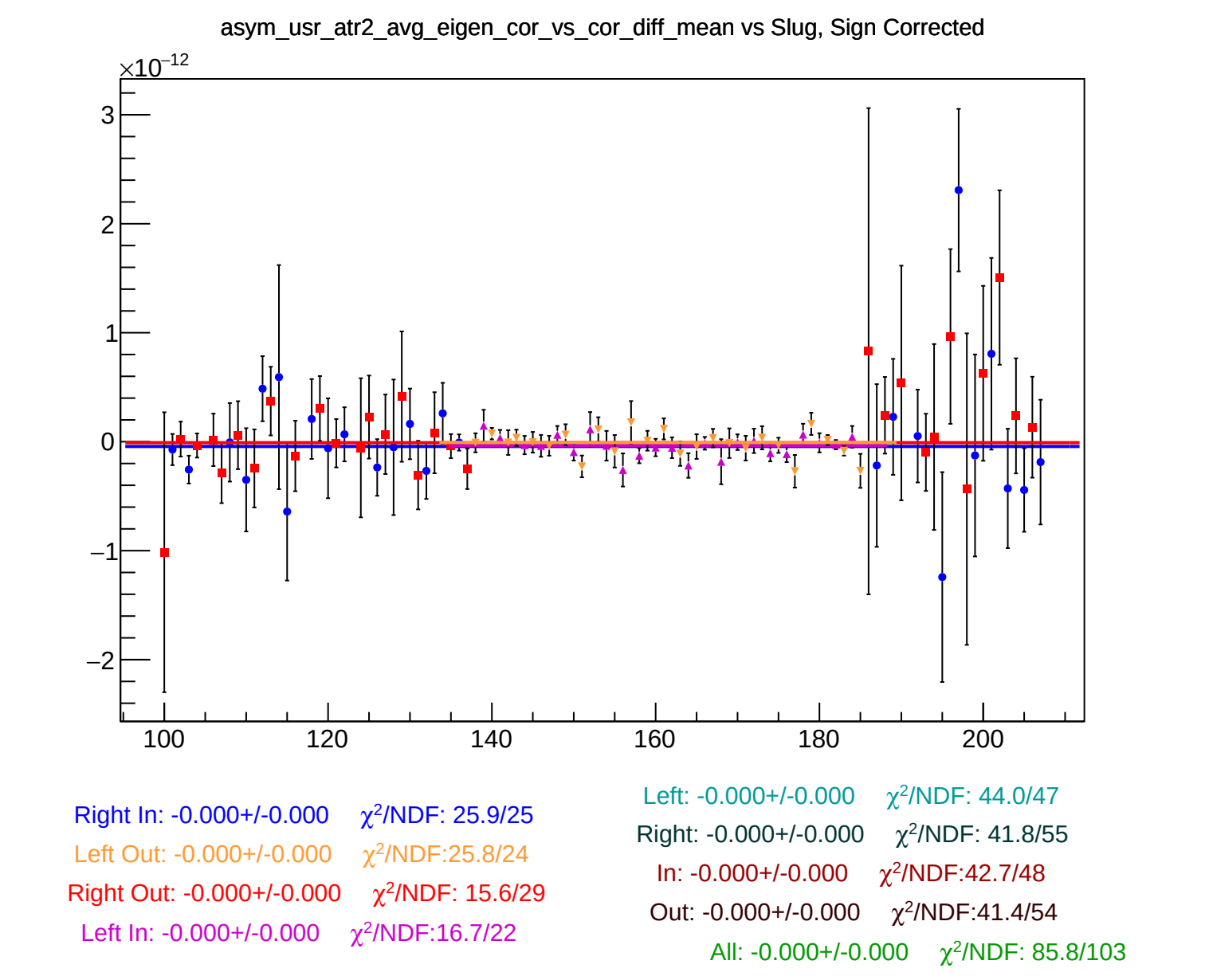
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

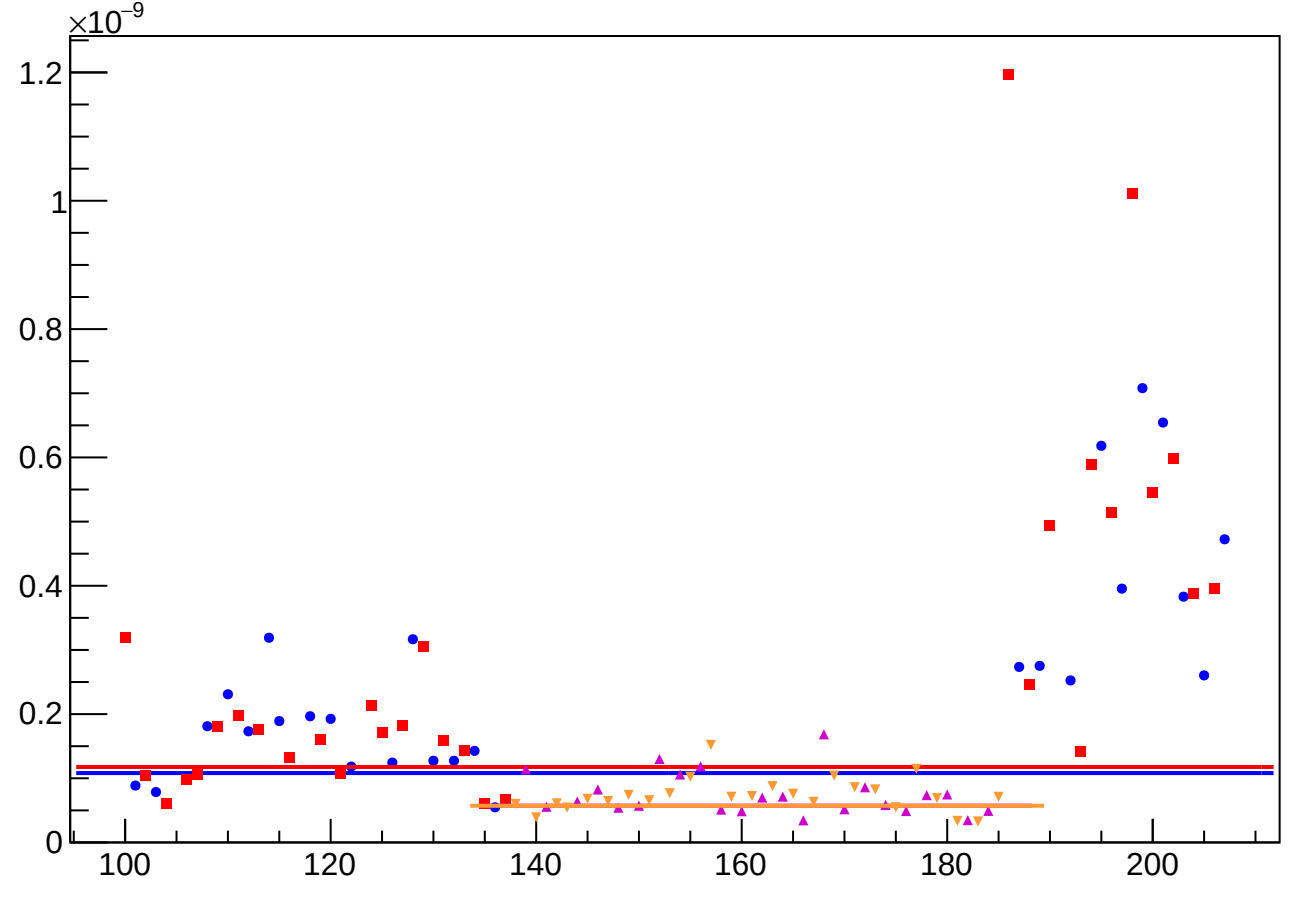
Right: 214.470+/-0.030 χ^2/NDF: 6698021.3/55

In: 265.337+/-0.035 χ^2/NDF:4890535.5/48

Out: 239.812+/-0.032 χ^2/NDF:9482216.7/54

All: 251.374+/-0.023 χ^2/NDF: 14668449.4/10


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: 25.9/25
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: 41.8/55
In: -0.000+/-0.000 χ²/NDF:42.7/48
Out: -0.000+/-0.000 χ²/NDF:41.4/54
All: -0.000+/-0.000 χ²/NDF: 85.8/103



Right In: 0.000+/-0.000 χ^2/NDF: 6690277.9/25

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

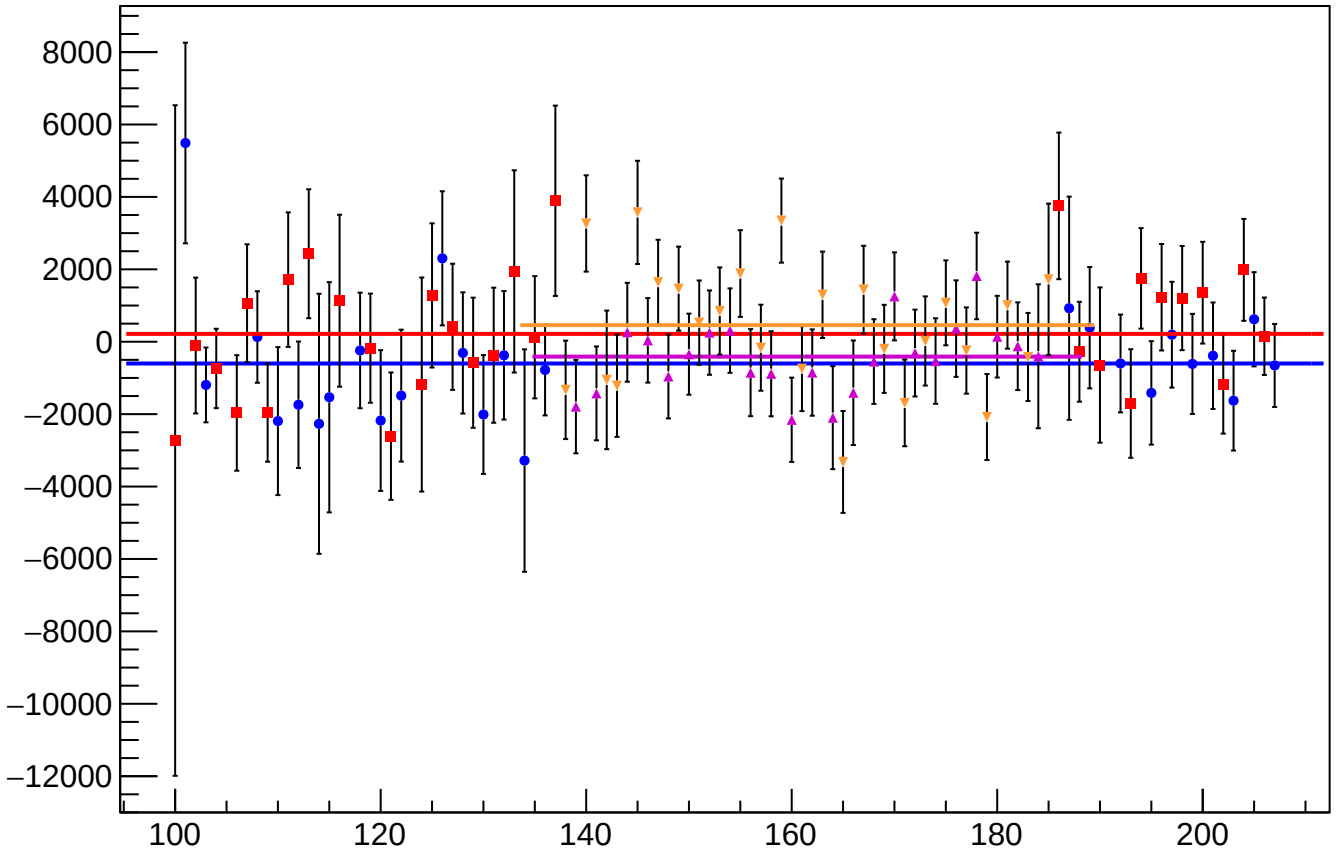
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14115207.2/55

In: 0.000+/-0.000 χ^2/NDF:11948275.4/48

Out: 0.000+/-0.000 χ^2/NDF:13346269.5/54

All: 0.000+/-0.000 χ^2/NDF: 25294798.0/103



Right In: -601.129+/-311.517 χ^2/NDF: 14.5/25

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

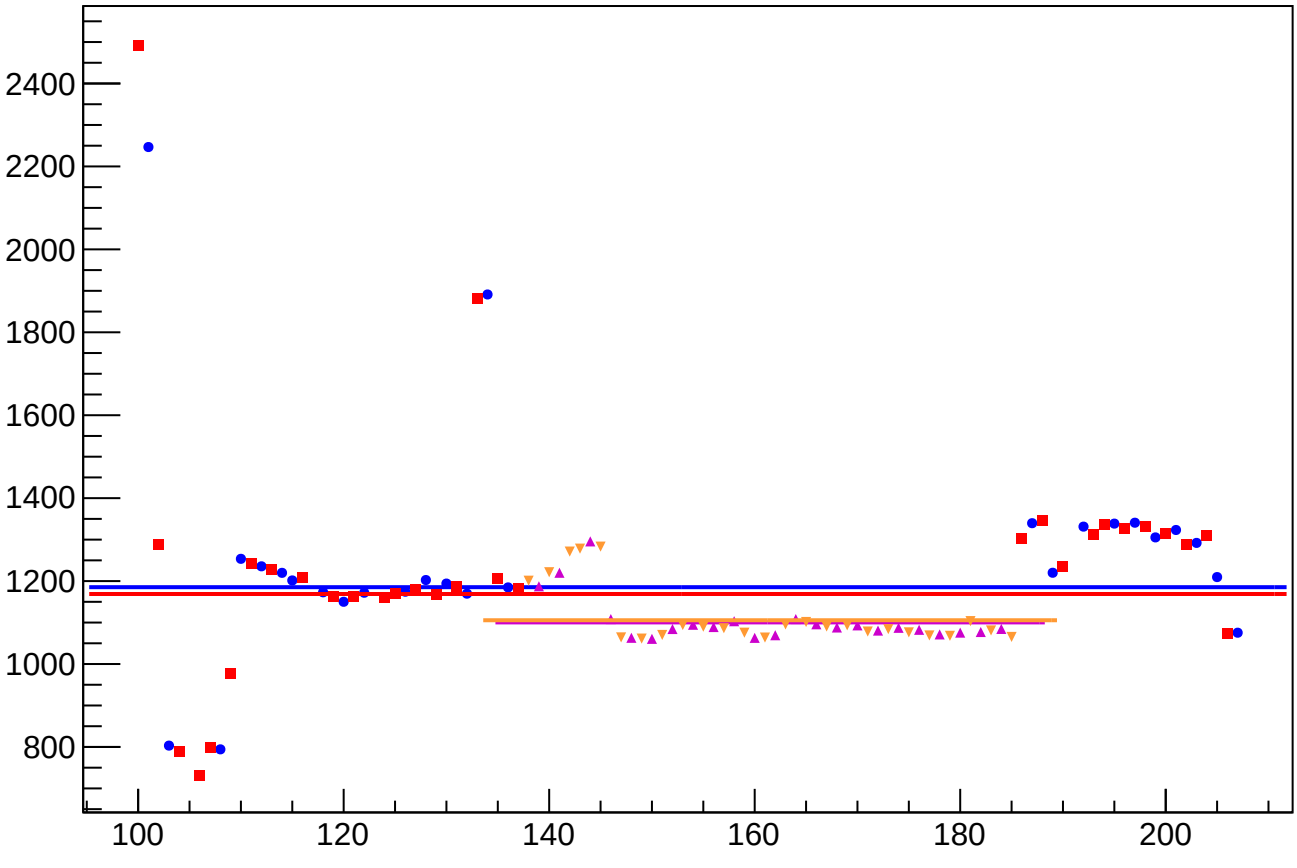
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -174.376+/-215.497 χ^2/NDF: 42.3/55

In: -488.226+/-198.335 χ^2/NDF:28.4/48

Out: 358.461+/-192.330 χ^2/NDF:66.7/54

All: -51.870+/-138.072 χ^2/NDF: 104.4/103



Right In: 1185.317+/-0.220 χ^2/NDF: 1008520.2/25

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

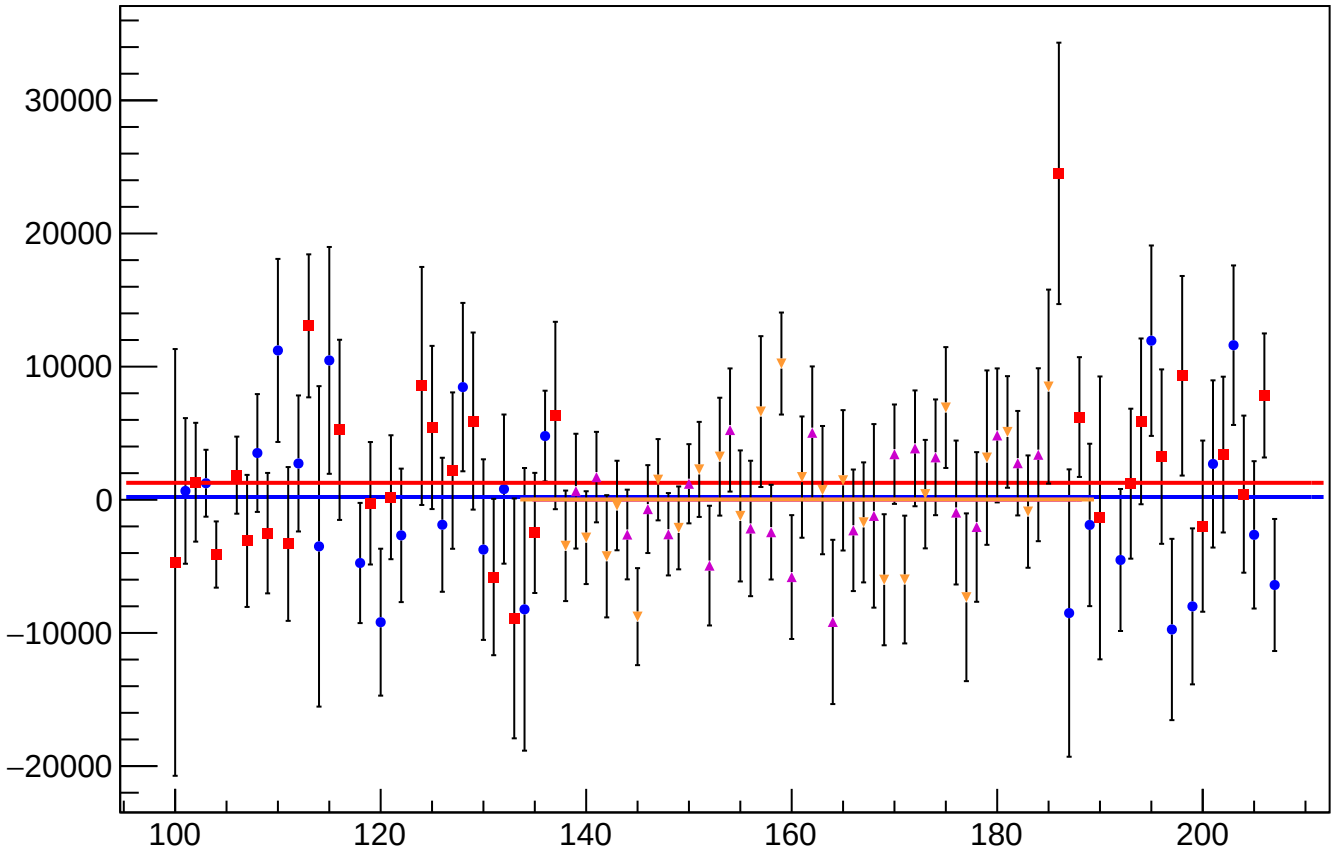
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1176.708+/-0.152 χ^2/NDF: 1981040.2/55

In: 1134.792+/-0.140 χ^2/NDF:1177237.0/48

Out: 1131.988+/-0.136 χ^2/NDF:1144476.9/54

All: 1133.344+/-0.098 χ^2/NDF: 2321920.4/10



Right In: 209.398+/-1039.483 χ^2/NDF: 28.4/25

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

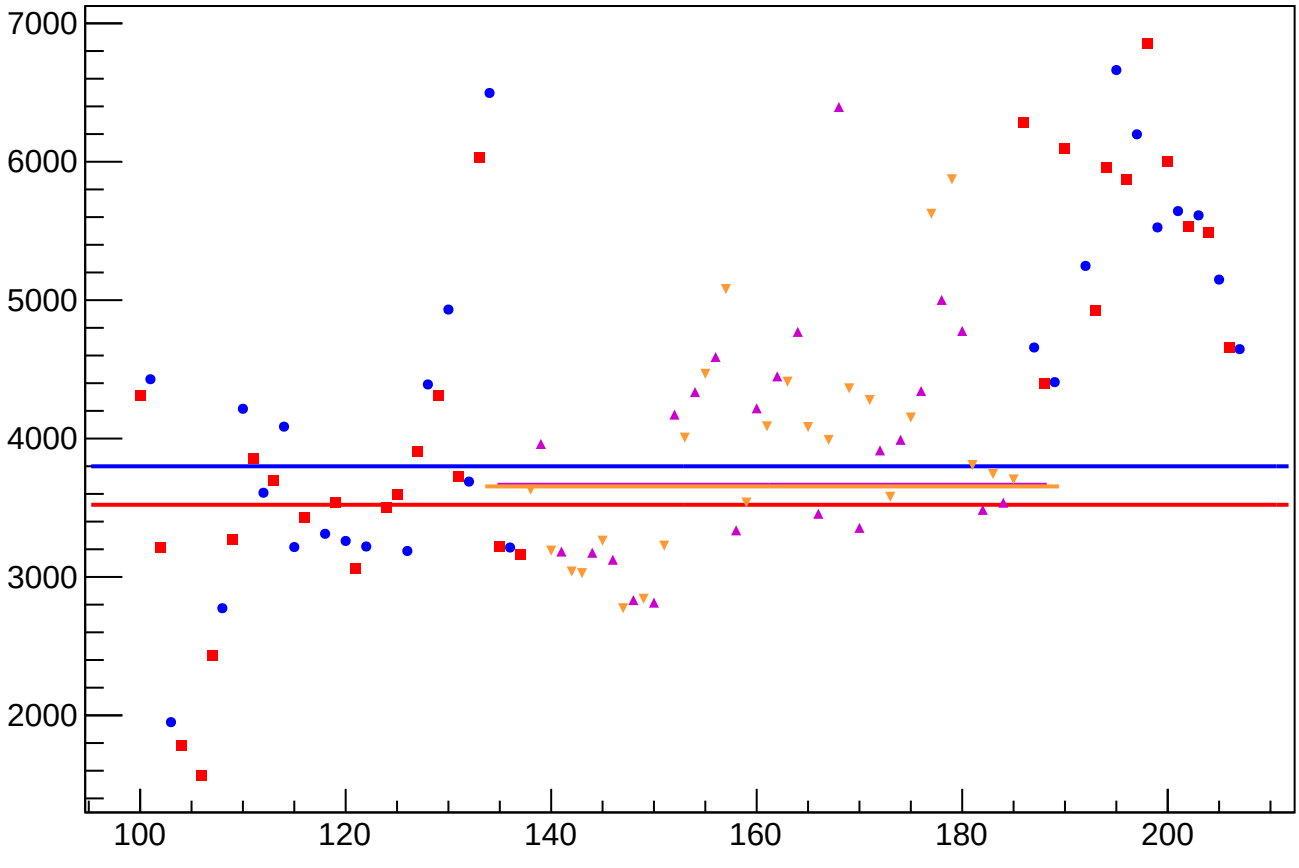
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 787.847+/-702.427 χ^2/NDF: 57.9/55

In: 90.566+/-669.524 χ^2/NDF:42.4/48

Out: 577.802+/-634.485 χ^2/NDF:58.4/54

All: 347.267+/-460.538 χ^2/NDF: 101.1/103



Right In: 3799.545+/-0.735 χ^2/NDF: 3053945.8/25

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

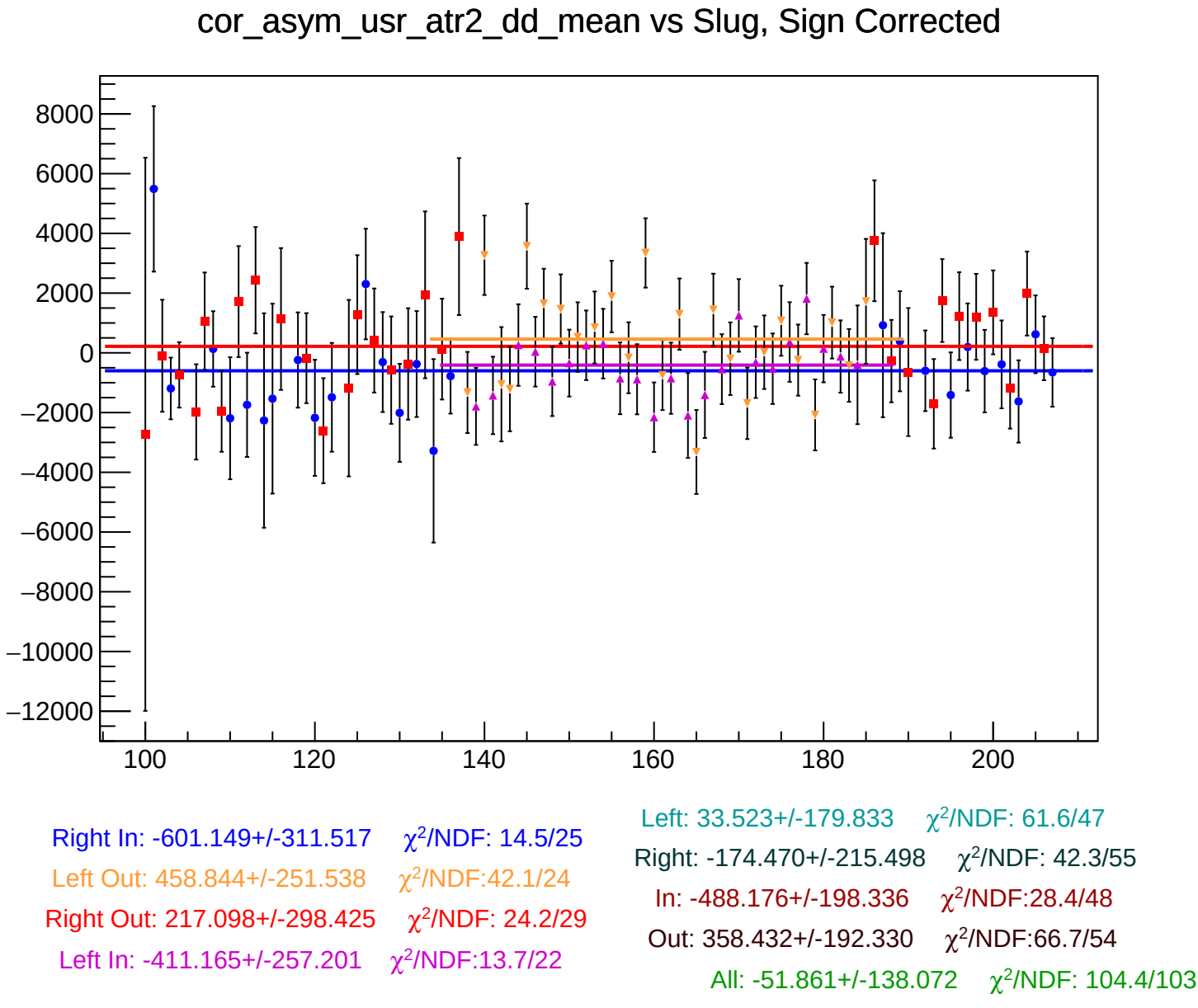
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

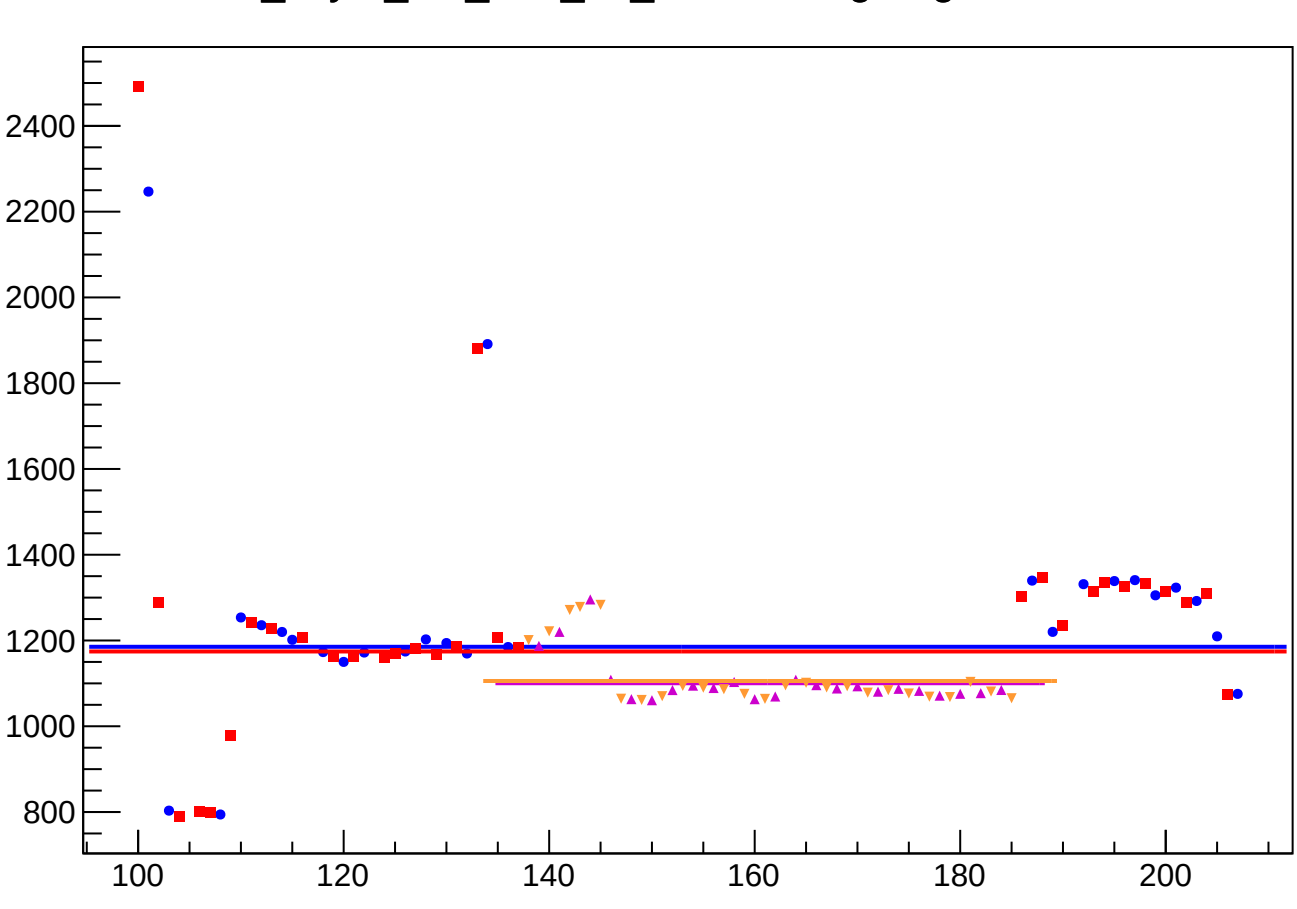
Right: 3648.513+/-0.497 χ^2/NDF: 7687332.3/55

In: 3721.471+/-0.473 χ^2/NDF:4416936.9/48

Out: 3595.407+/-0.449 χ^2/NDF:5889004.9/54

All: 3655.054+/-0.326 χ^2/NDF: 10343298.2/


cor_asym_usr_atr2_dd_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: -601.149+/-311.517 χ²/NDF: 14.5/25
Left Out: 458.844+/-251.538 χ²/NDF:42.1/24
Right Out: 217.098+/-298.425 χ²/NDF: 24.2/29
Left In: -411.165+/-257.201 χ²/NDF:13.7/22
Left: 33.523+/-179.833 χ²/NDF: 61.6/47
Right: -174.470+/-215.498 χ²/NDF: 42.3/55
In: -488.176+/-198.336 χ²/NDF:28.4/48
Out: 358.432+/-192.330 χ²/NDF:66.7/54
All: -51.861+/-138.072 χ²/NDF: 104.4/103



Right In: 1185.318+/-0.220 χ^2/NDF: 1008515.8/25

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

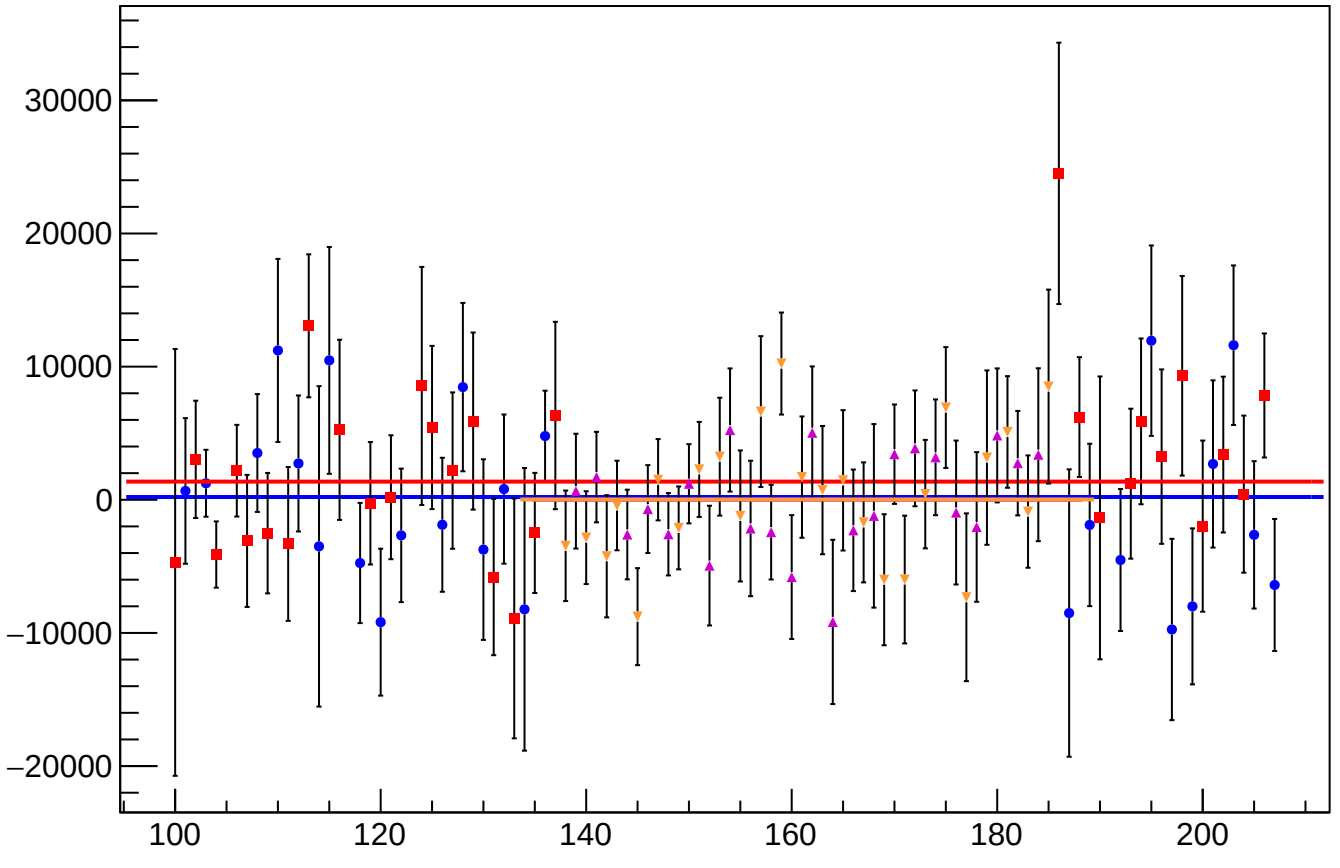
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1179.622+/-0.152 χ^2/NDF: 1903033.9/55

In: 1134.792+/-0.140 χ^2/NDF:1177233.3/48

Out: 1134.183+/-0.136 χ^2/NDF:1077510.9/54

All: 1134.478+/-0.098 χ^2/NDF: 2254754.0/10



Right In: 208.961+/-1039.512 χ^2/NDF: 28.4/25

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

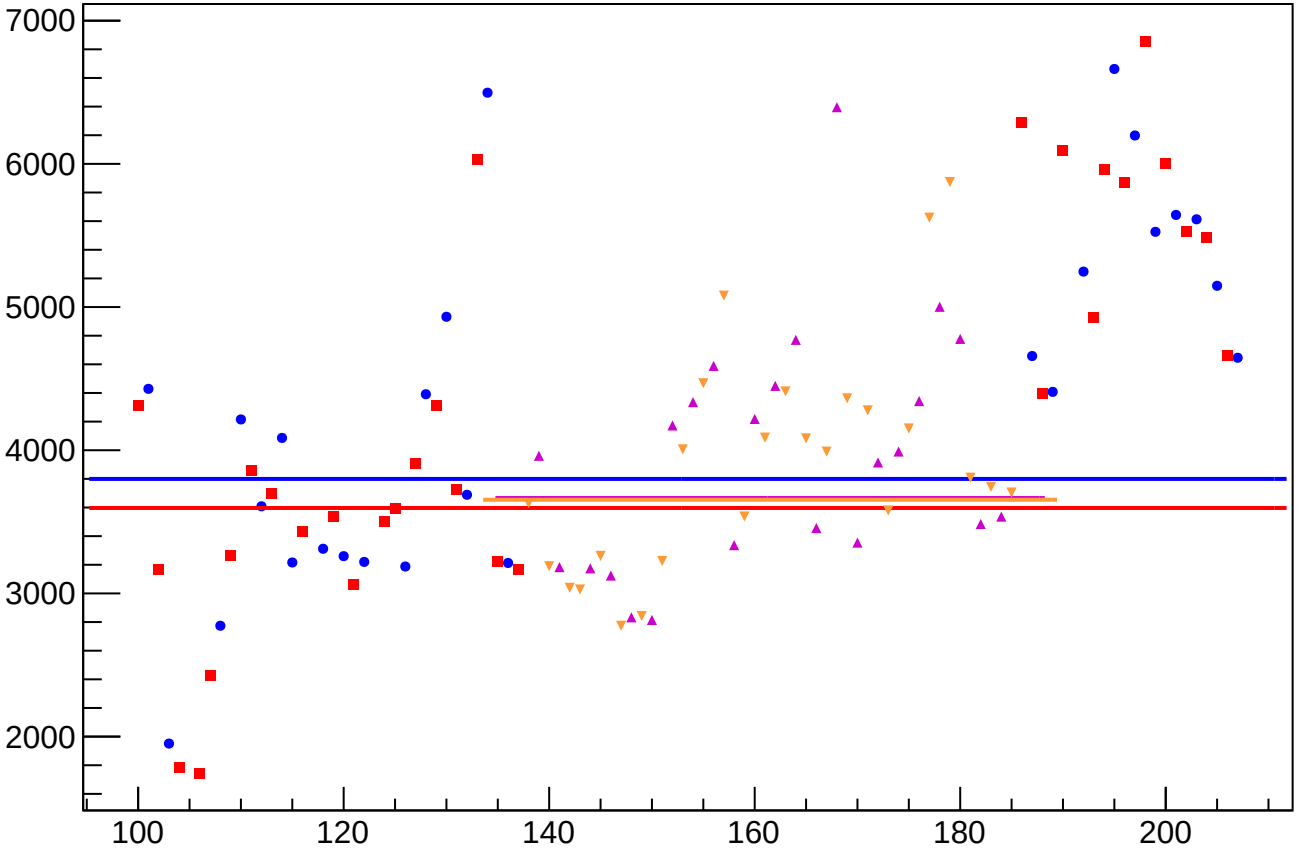
Right: 828.113+/-708.338 χ^2/NDF: 58.1/55

In: 90.412+/-669.532 χ^2/NDF:42.4/48

Out: 607.821+/-638.824 χ^2/NDF:58.7/54

All: 361.254+/-462.192 χ^2/NDF: 101.4/103

asym_usr_atr2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3799.711+/-0.735 χ^2/NDF: 3053160.9/25

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

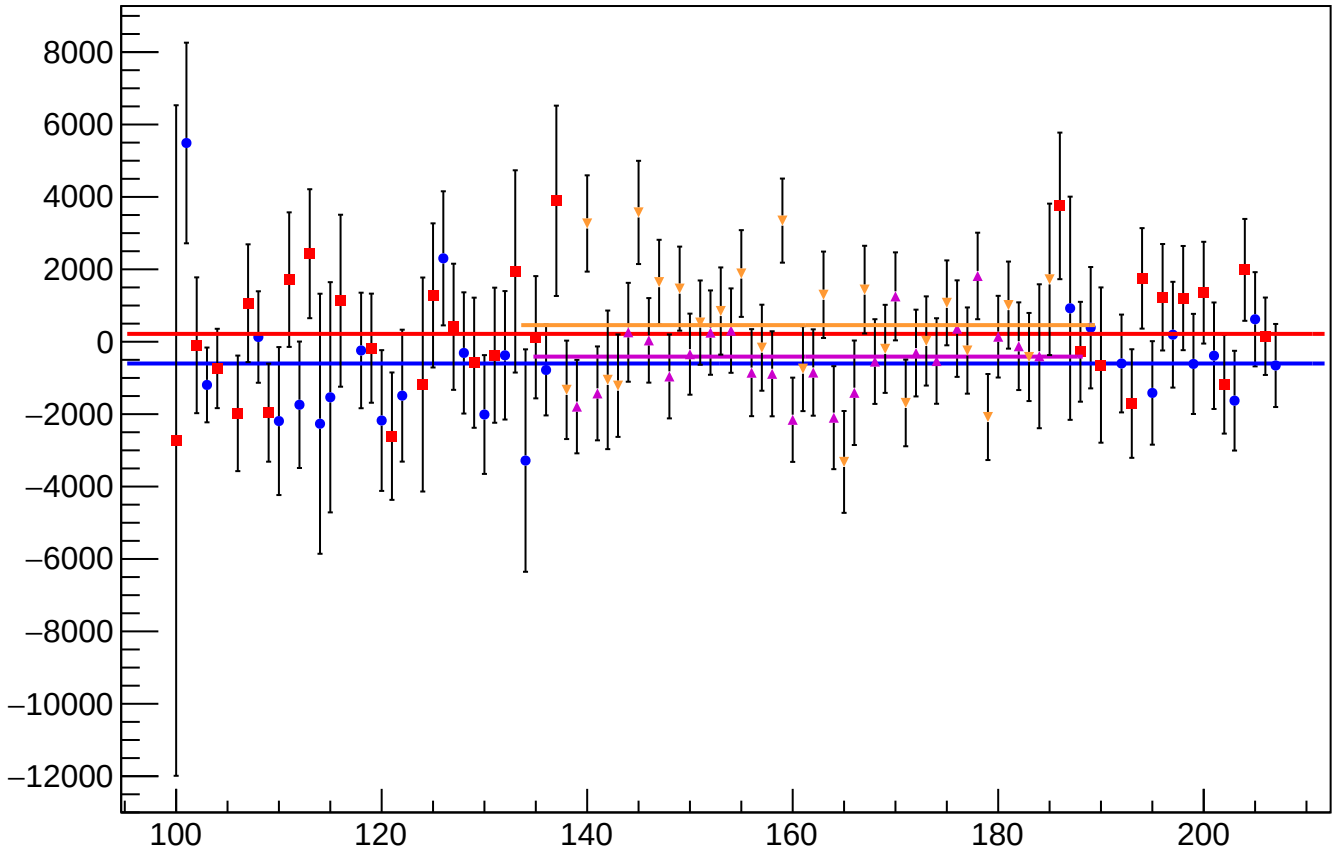
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3691.029+/-0.501 χ^2/NDF: 7261781.9/55

In: 3721.536+/-0.473 χ^2/NDF:4416202.8/48

Out: 3629.198+/-0.452 χ^2/NDF:5483544.6/54

All: 3673.201+/-0.327 χ^2/NDF: 9919660.0/10



Right In: -601.149+/-311.517 χ^2/NDF: 14.5/25

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

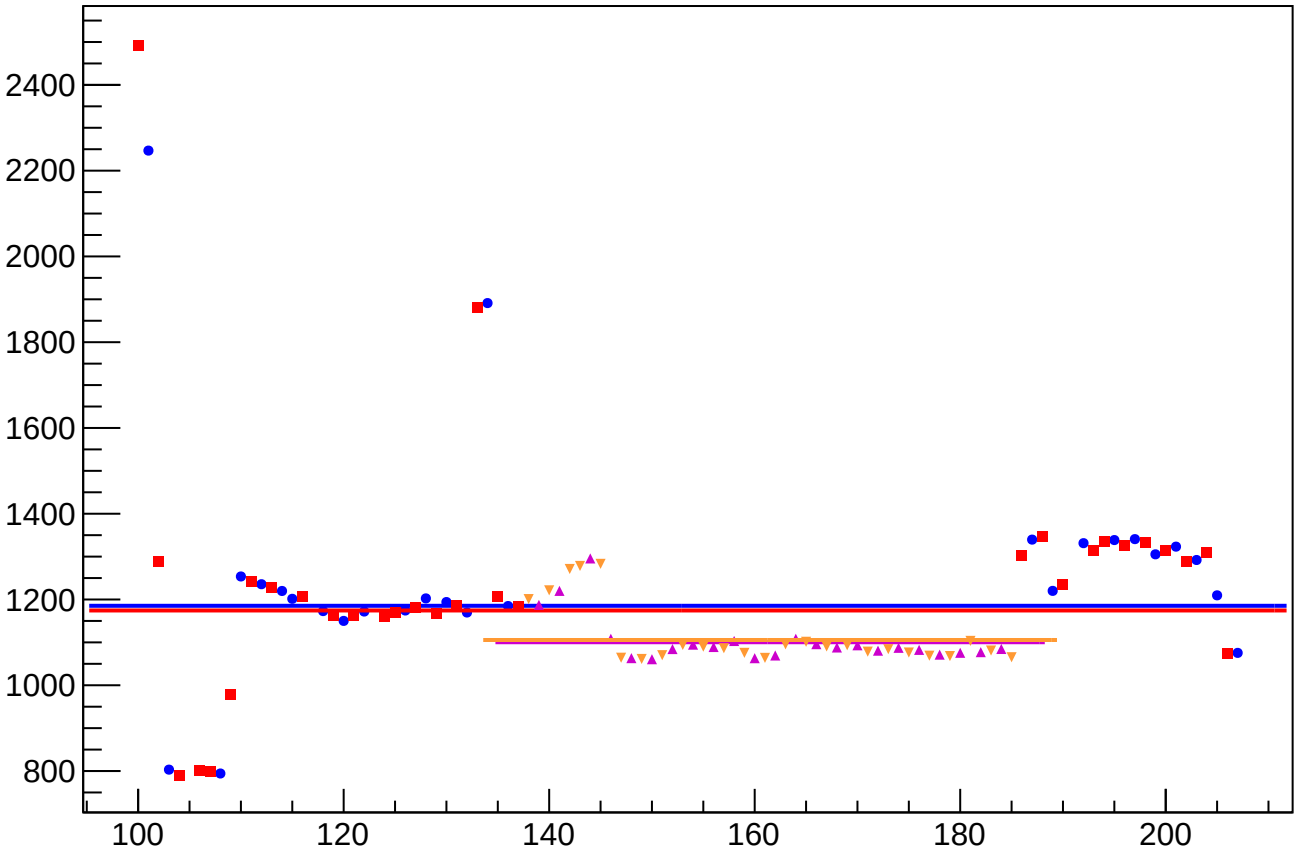
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -174.470+/-215.498 χ^2/NDF: 42.3/55

In: -488.176+/-198.336 χ^2/NDF:28.4/48

Out: 358.432+/-192.330 χ^2/NDF:66.7/54

All: -51.861+/-138.072 χ^2/NDF: 104.4/103



Right In: 1185.318+/-0.220 χ^2/NDF: 1008515.8/25

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

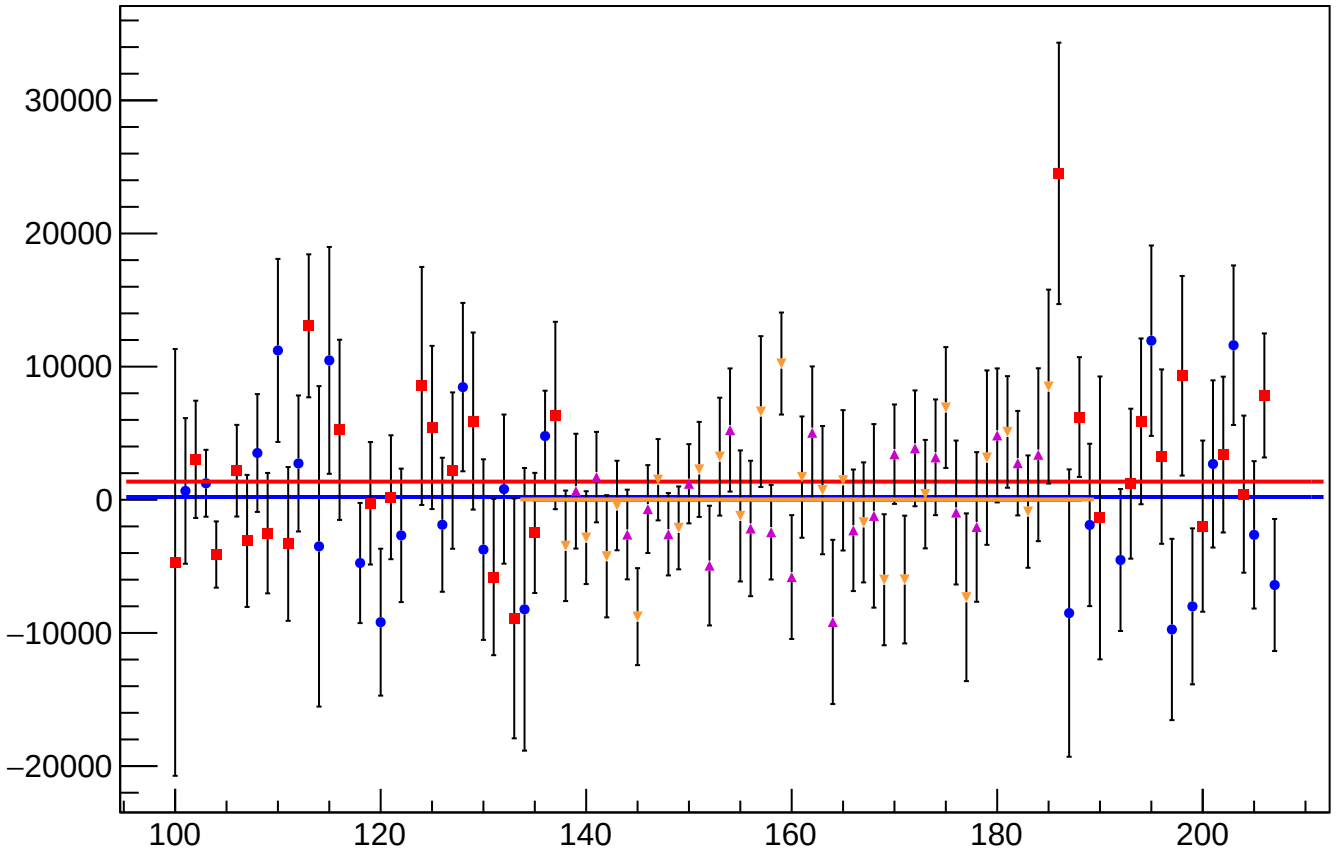
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1179.622+/-0.152 χ^2/NDF: 1903033.9/55

In: 1134.792+/-0.140 χ^2/NDF:1177233.3/48

Out: 1134.183+/-0.136 χ^2/NDF:1077510.9/54

All: 1134.478+/-0.098 χ^2/NDF: 2254754.0/10



Right In: 208.961+/-1039.512 χ^2/NDF: 28.4/25

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

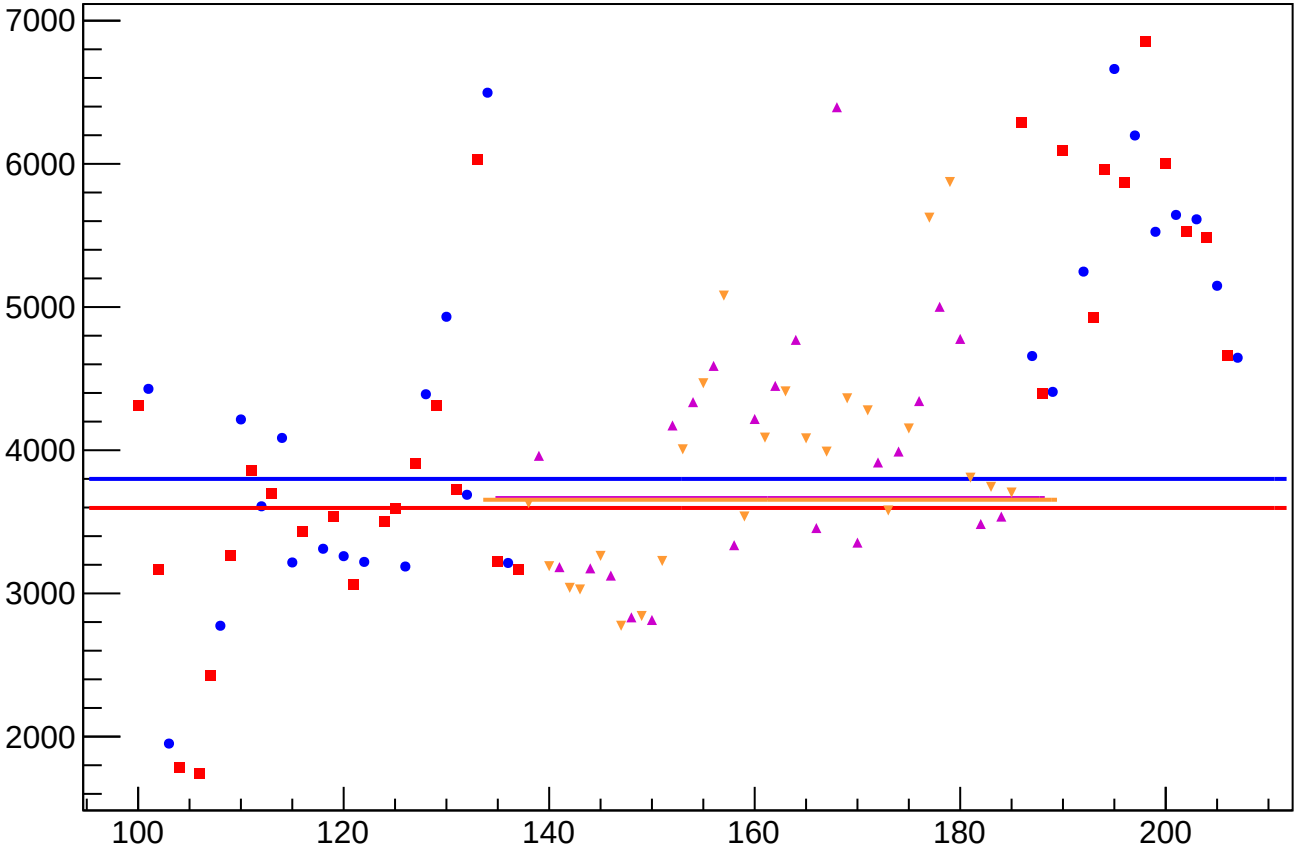
Right: 828.113+/-708.338 χ^2/NDF: 58.1/55

In: 90.412+/-669.532 χ^2/NDF:42.4/48

Out: 607.821+/-638.824 χ^2/NDF:58.7/54

All: 361.254+/-462.192 χ^2/NDF: 101.4/103

asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3799.711+/-0.735 χ^2/NDF: 3053160.9/25

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

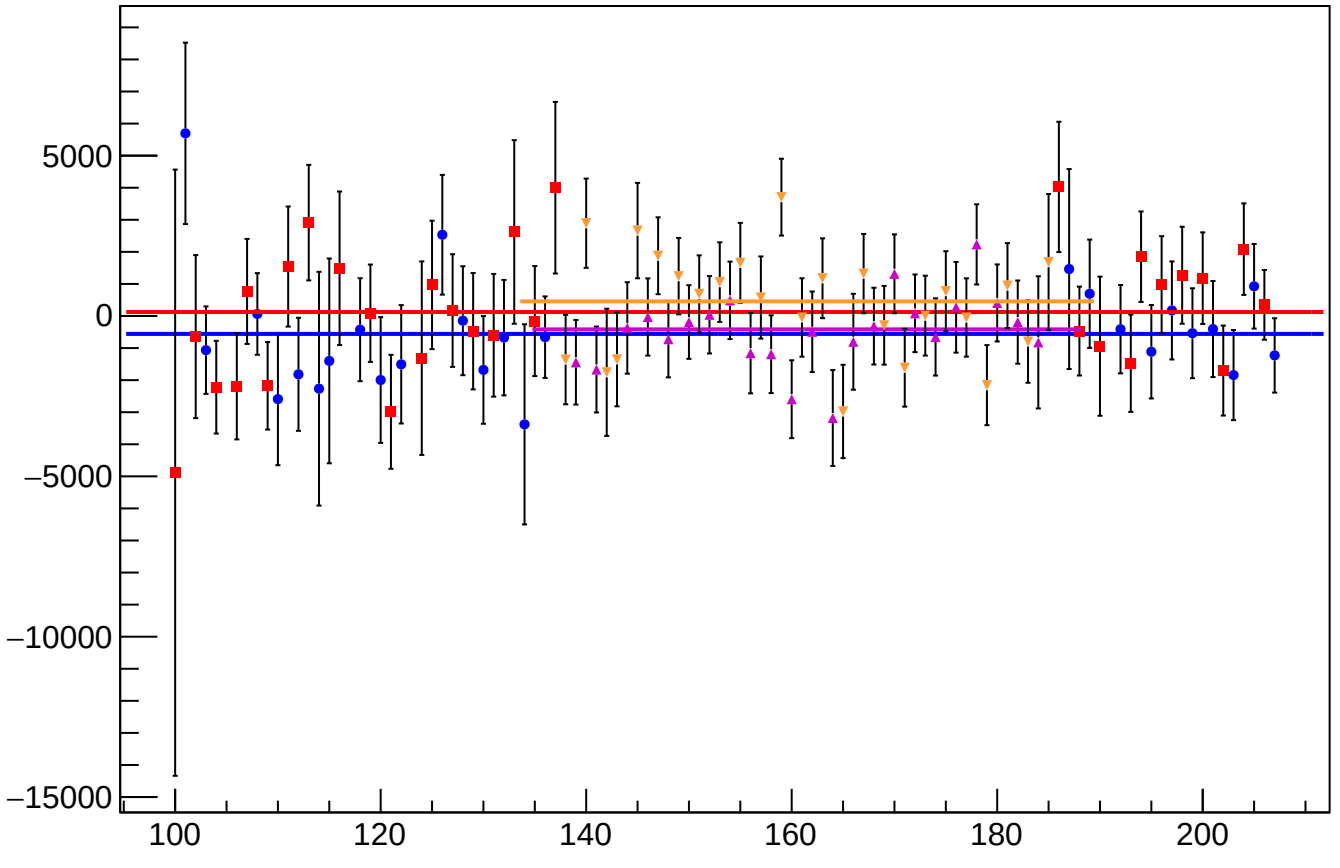
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3691.029+/-0.501 χ^2/NDF: 7261781.9/55

In: 3721.536+/-0.473 χ^2/NDF:4416202.8/48

Out: 3629.198+/-0.452 χ^2/NDF:5483544.6/54

All: 3673.201+/-0.327 χ^2/NDF: 9919660.0/10



Right In: -558.319+/-322.242 χ^2/NDF: 15.7/25

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

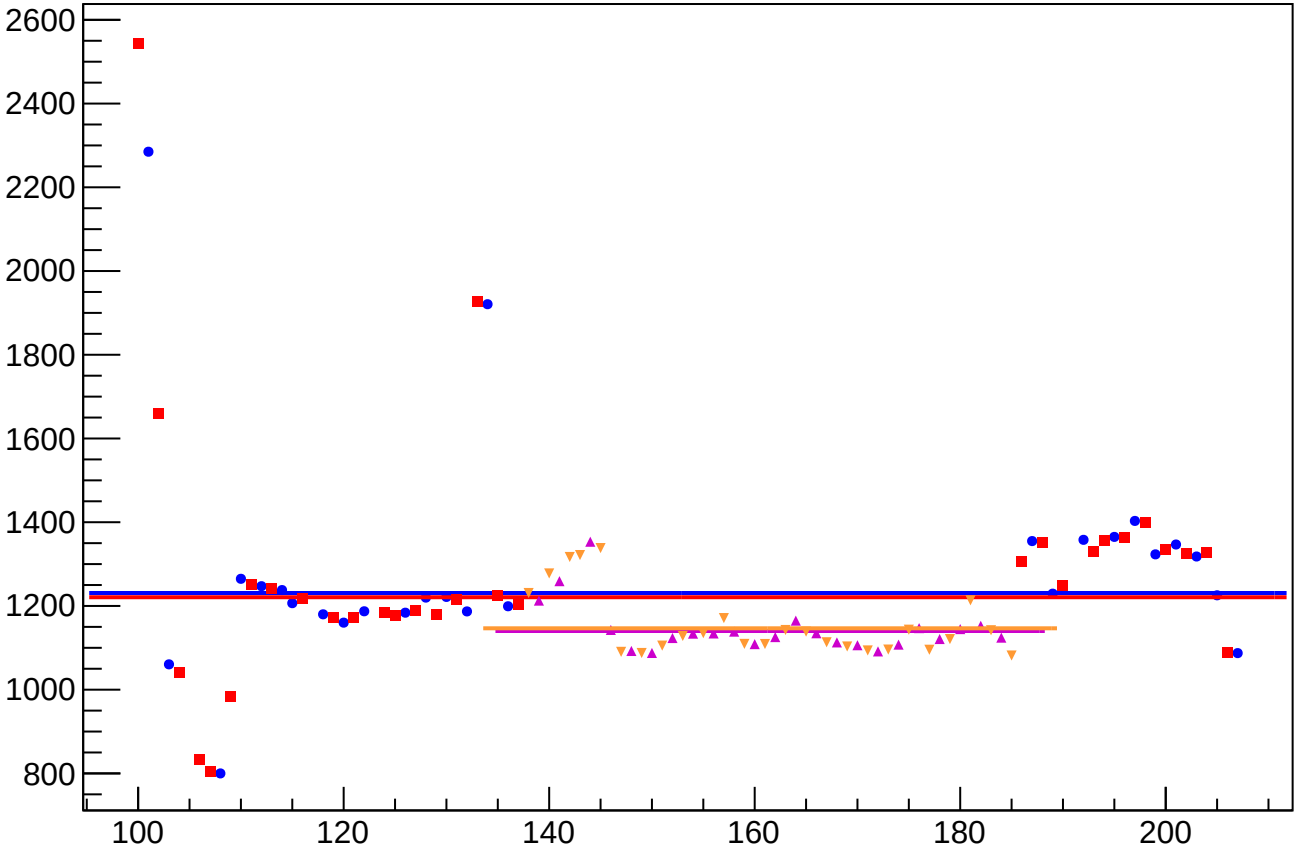
Right: -203.488+/-223.320 χ^2/NDF: 47.7/55

In: -474.539+/-205.405 χ^2/NDF:33.2/48

Out: 318.162+/-199.600 χ^2/NDF:66.4/54

All: -66.829+/-143.147 χ^2/NDF: 107.3/103

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1230.963+/-0.228 χ^2/NDF: 768180.4/25

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

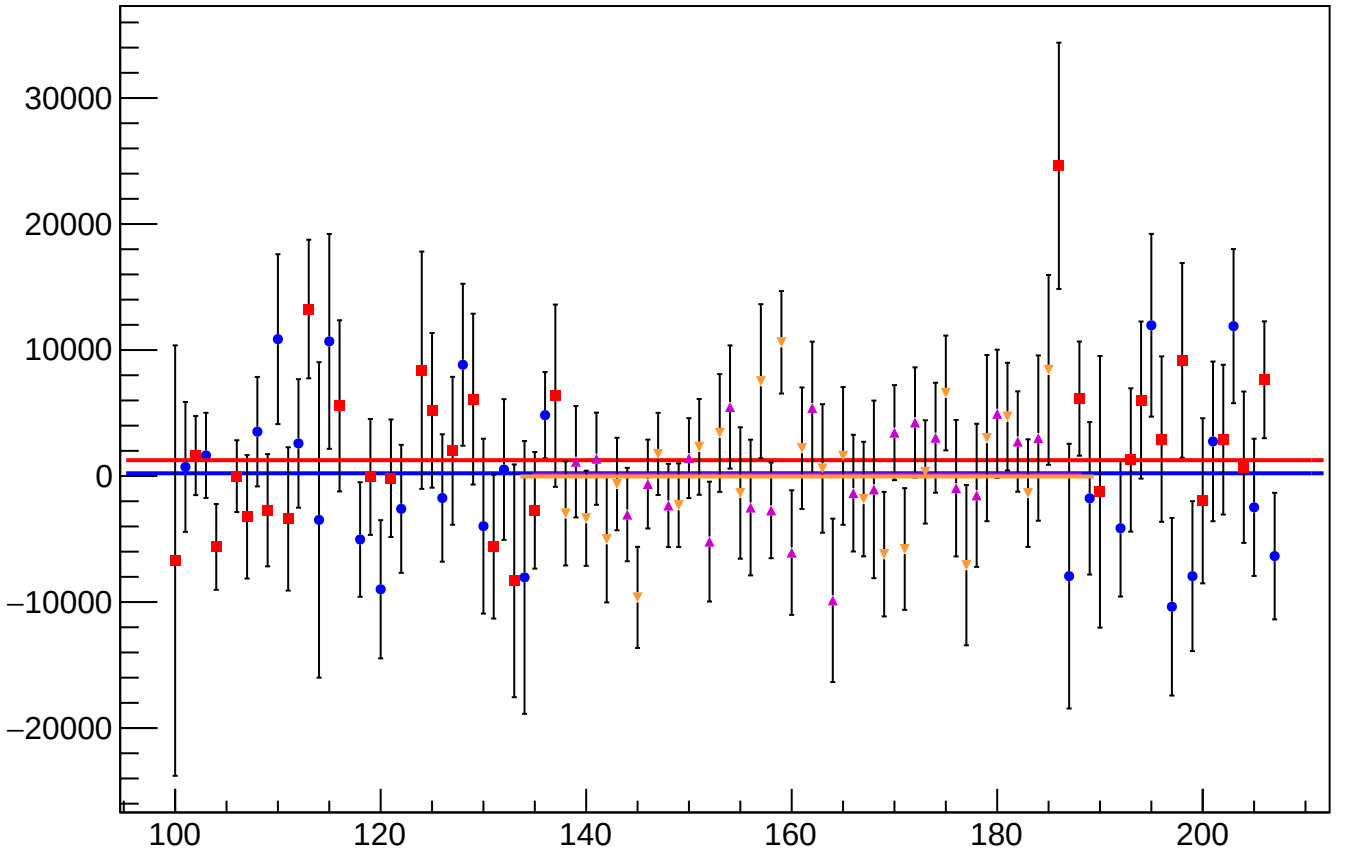
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1225.688+/-0.158 χ^2/NDF: 1490064.7/55

In: 1177.059+/-0.145 χ^2/NDF:947182.4/48

Out: 1177.429+/-0.141 χ^2/NDF:929000.5/54

All: 1177.250+/-0.101 χ^2/NDF: 1876186.3/10



Right In: 218.453+/-1083.179 χ^2/NDF: 28.1/25

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

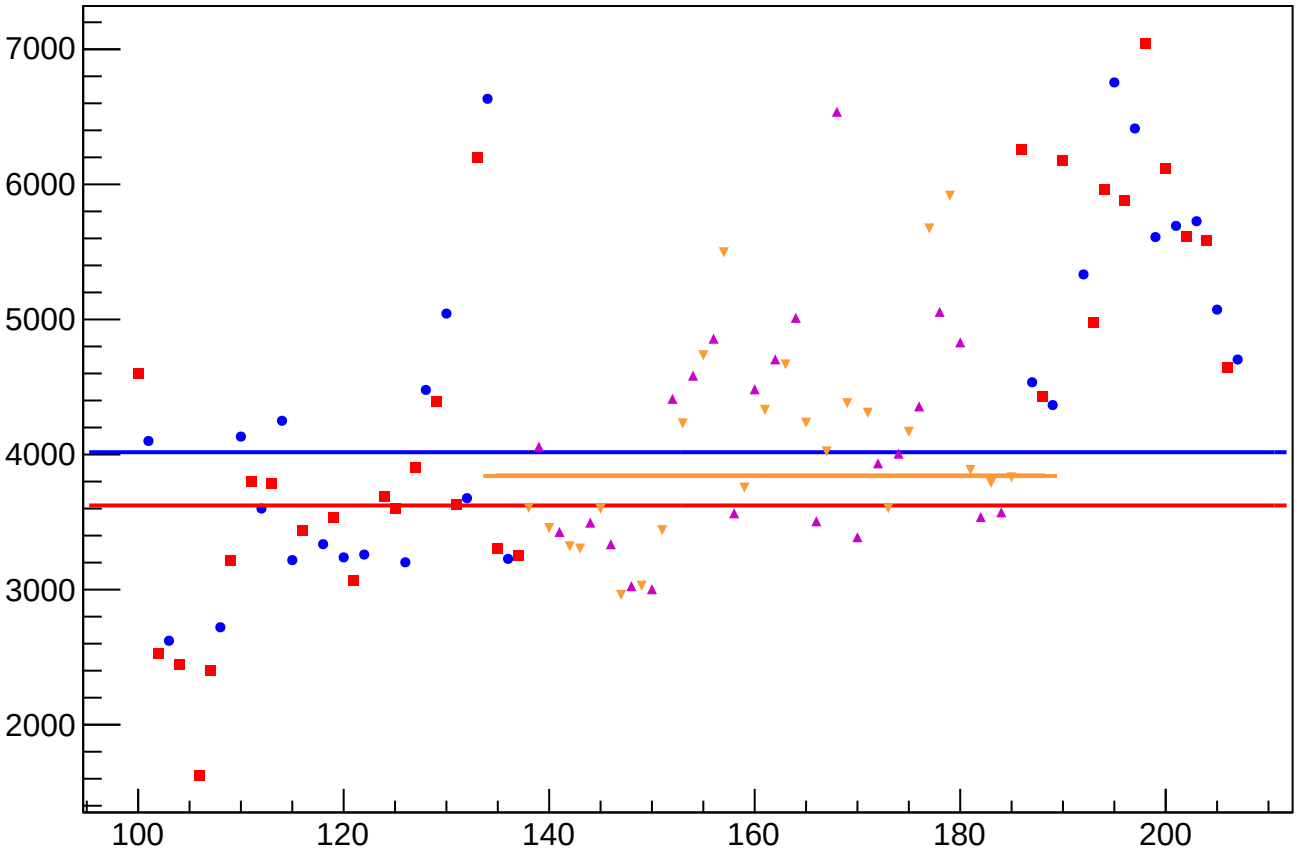
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 798.185+/-720.808 χ^2/NDF: 56.9/55

In: 161.649+/-699.305 χ^2/NDF:41.9/48

Out: 561.074+/-654.986 χ^2/NDF:57.0/54

All: 374.419+/-478.046 χ^2/NDF: 99.1/103



Right In: 4017.067+/-0.766 χ^2/NDF: 2216678.9/25

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

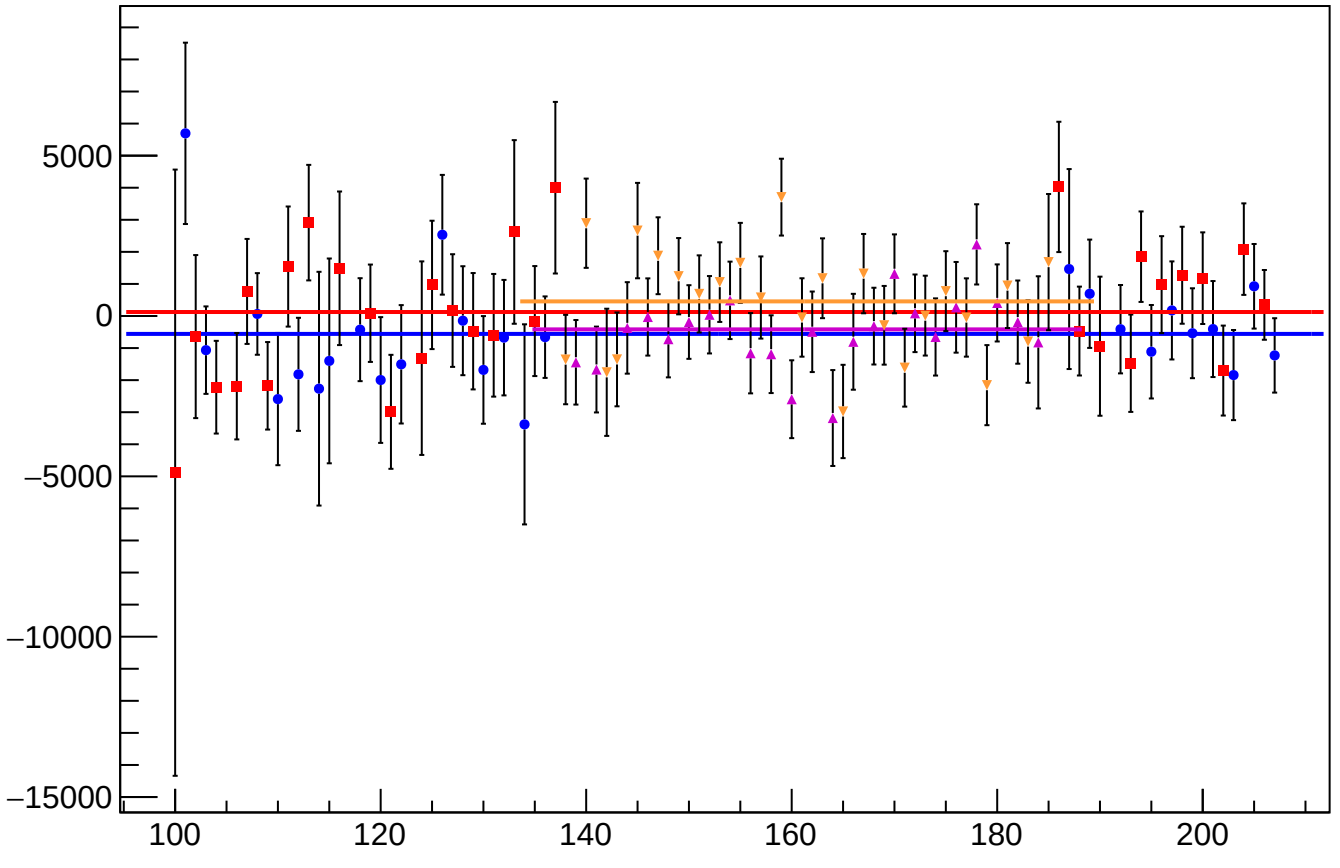
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3797.474+/-0.510 χ^2/NDF: 6387444.1/55

In: 3915.744+/-0.494 χ^2/NDF:3442744.9/48

Out: 3740.590+/-0.463 χ^2/NDF:5196879.2/54

All: 3822.441+/-0.338 χ^2/NDF: 8706459.7/10



Right In: -558.318+/-322.242 χ^2/NDF: 15.7/25

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

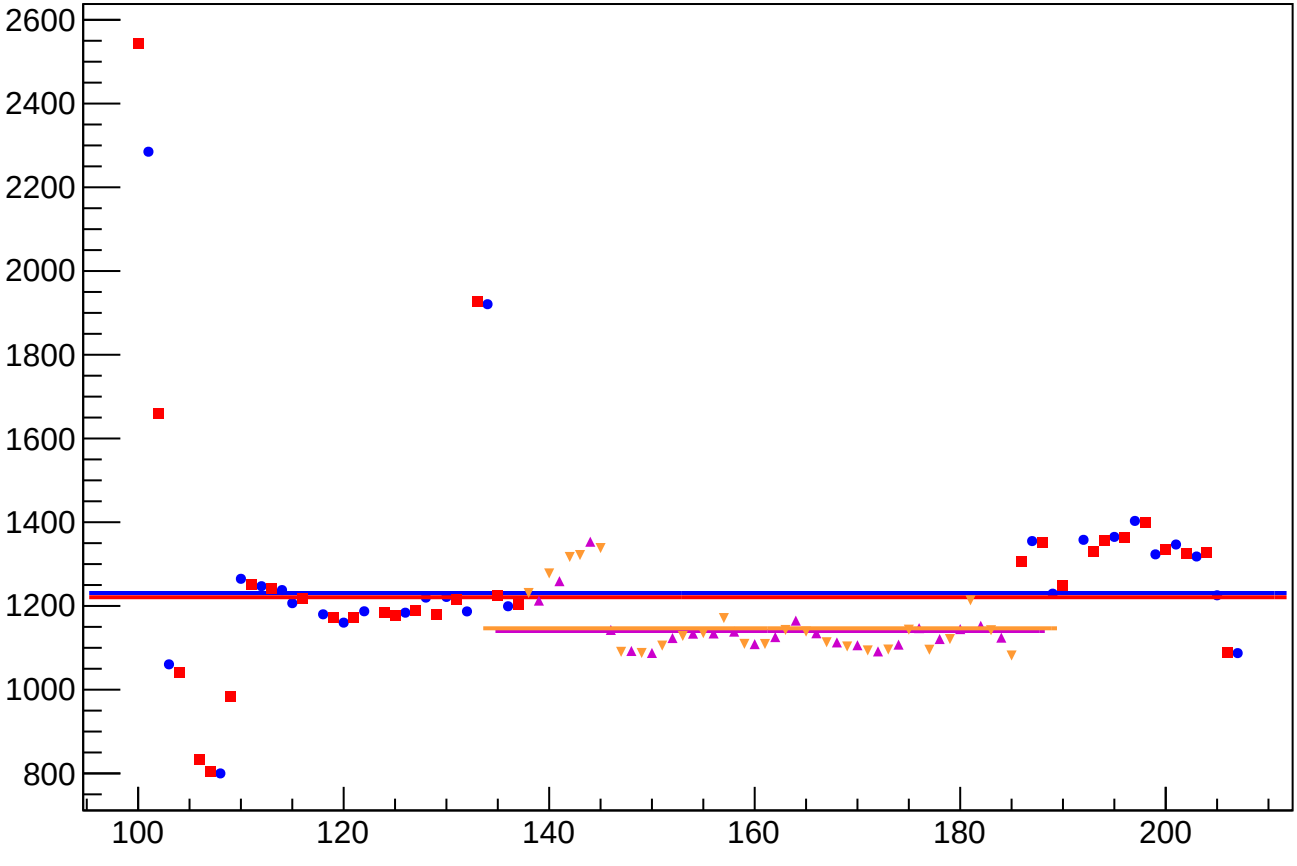
Right: -203.488+/-223.320 χ^2/NDF: 47.7/55

In: -474.538+/-205.405 χ^2/NDF:33.2/48

Out: 318.164+/-199.600 χ^2/NDF:66.4/54

All: -66.827+/-143.147 χ^2/NDF: 107.3/103

eigen_dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1230.963+/-0.228 χ^2/NDF: 768181.1/25

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

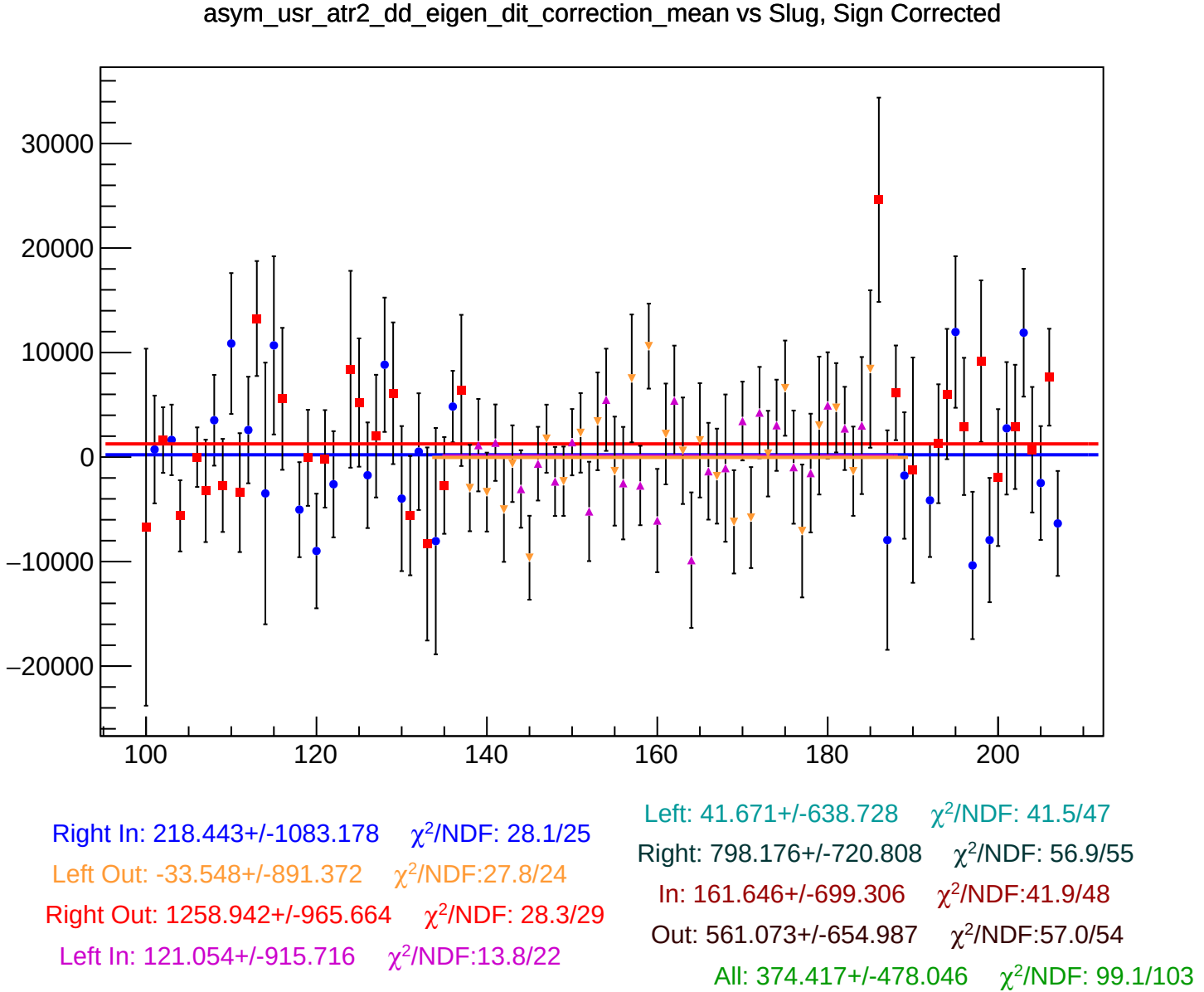
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1225.688+/-0.158 χ^2/NDF: 1490065.2/55

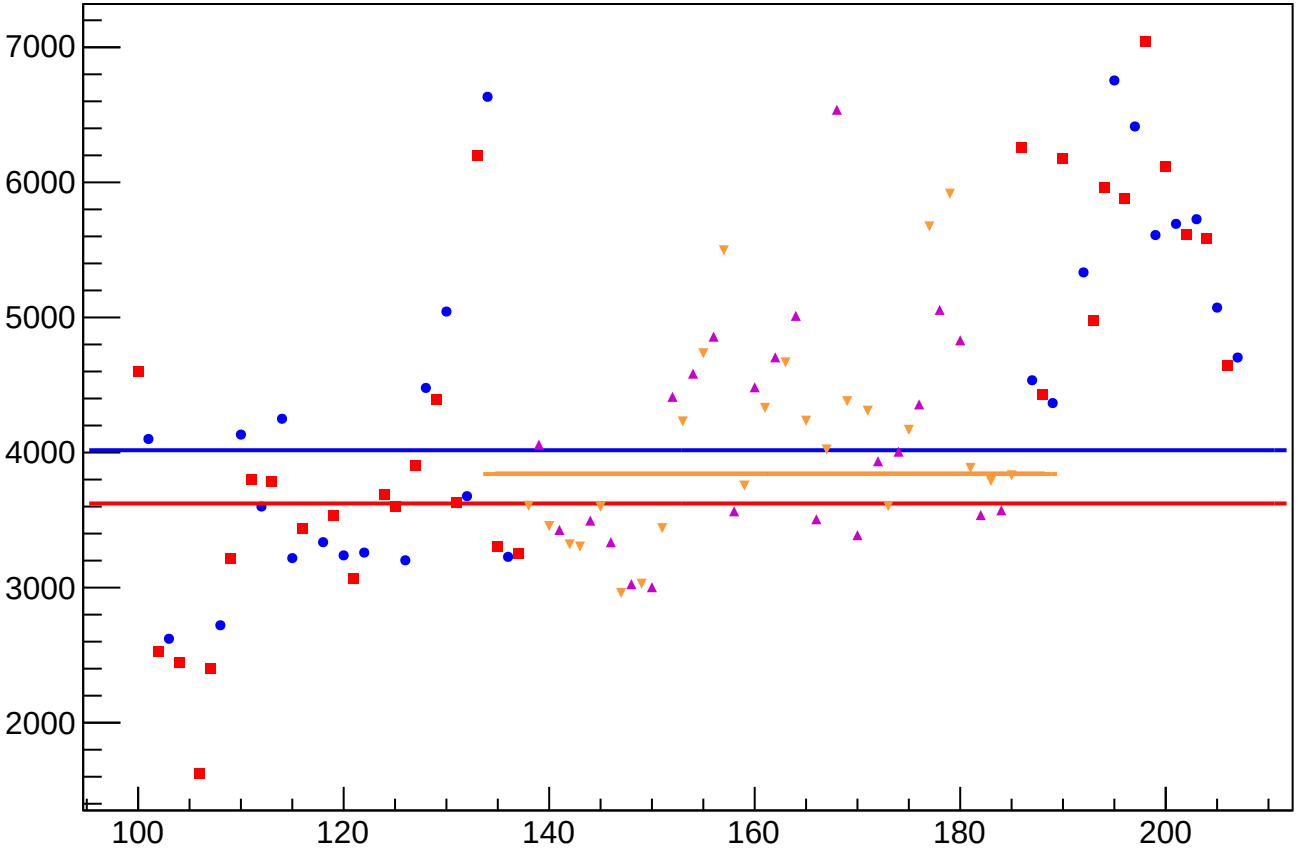
In: 1177.059+/-0.145 χ^2/NDF:947181.2/48

Out: 1177.430+/-0.141 χ^2/NDF:928999.6/54

All: 1177.250+/-0.101 χ^2/NDF: 1876184.2/10


asym_usr_atr2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 218.443+/-1083.178 χ²/NDF: 28.1/25
Left Out: -33.548+/-891.372 χ²/NDF:27.8/24
Right Out: 1258.942+/-965.664 χ²/NDF: 28.3/29
Left In: 121.054+/-915.716 χ²/NDF:13.8/22
Left: 41.671+/-638.728 χ²/NDF: 41.5/47
Right: 798.176+/-720.808 χ²/NDF: 56.9/55
In: 161.646+/-699.306 χ²/NDF:41.9/48
Out: 561.073+/-654.987 χ²/NDF:57.0/54
All: 374.417+/-478.046 χ²/NDF: 99.1/103

asym_usr_atr2_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4017.065+/-0.766 χ^2/NDF: 2216688.8/25

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

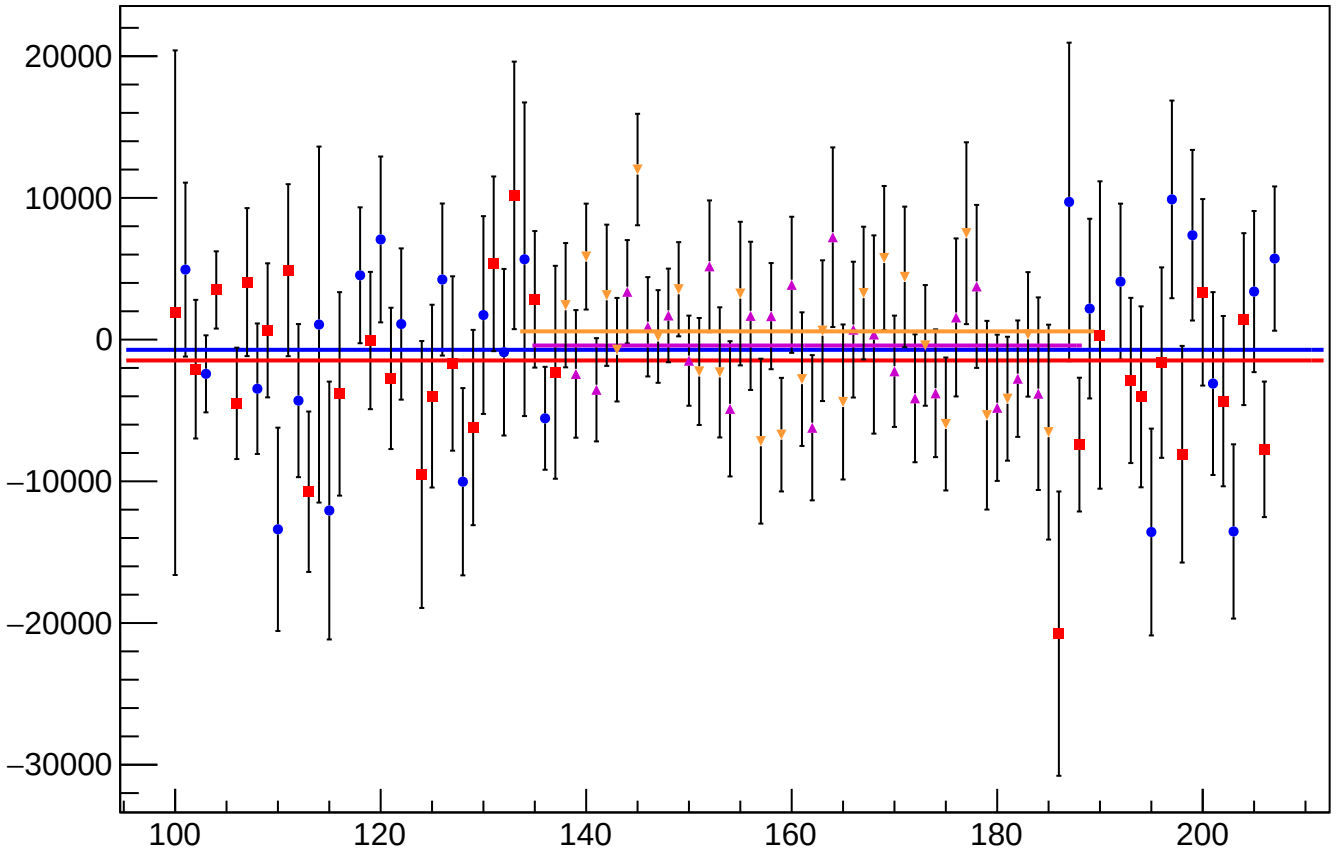
Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

Right: 3797.471+/-0.510 χ^2/NDF: 6387475.8/55

In: 3915.746+/-0.494 χ^2/NDF:3442756.0/48

Out: 3740.591+/-0.463 χ^2/NDF:5196905.7/54

All: 3822.442+/-0.338 χ^2/NDF: 8706498.5/10



Right In: -719.814+/-1095.758 χ^2/NDF: 30.6/25

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

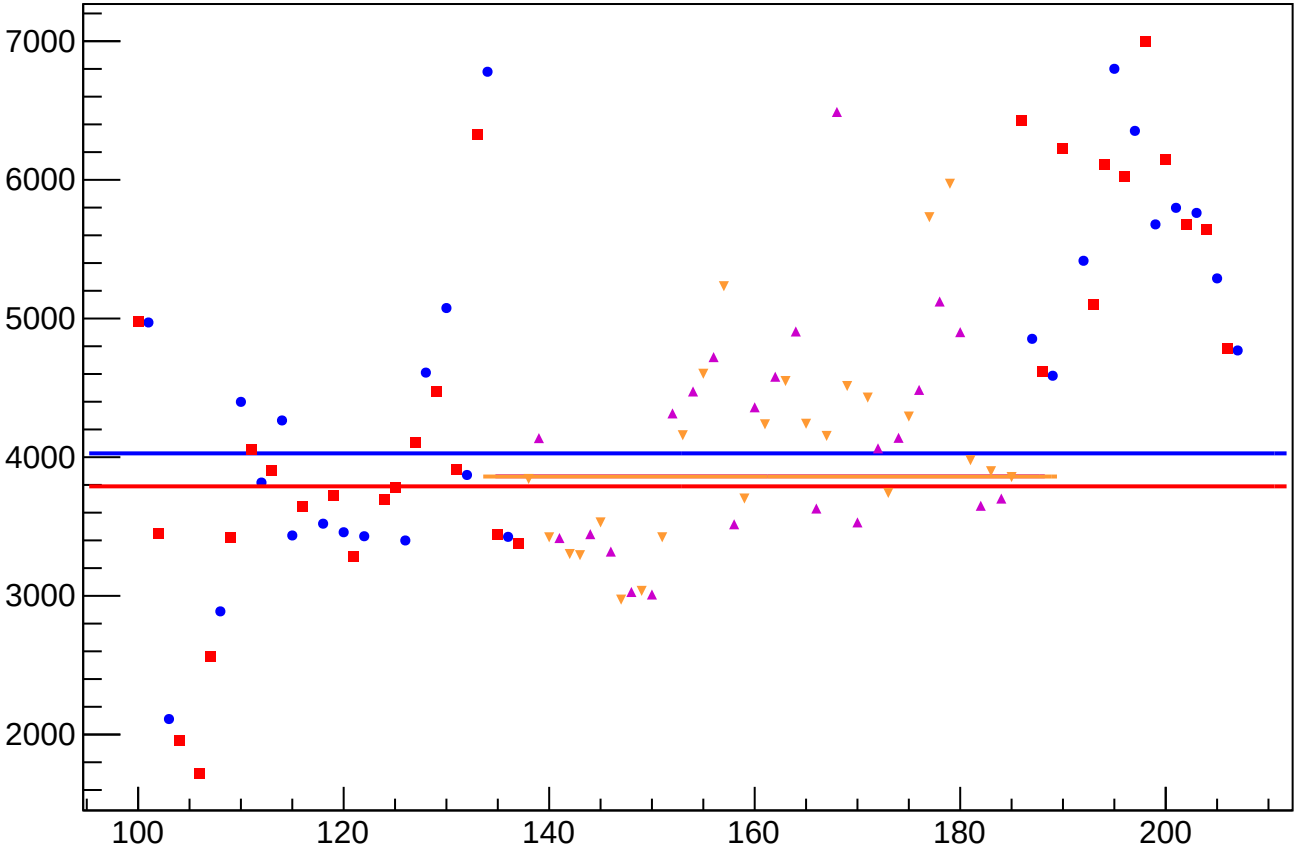
Right: -1119.279+/-749.909 χ^2/NDF: 54.0/55

In: -541.929+/-704.140 χ^2/NDF:43.1/48

Out: -301.948+/-675.116 χ^2/NDF:52.9/54

All: -416.890+/-487.317 χ^2/NDF: 96.1/103

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 4027.533+/-0.775 χ^2/NDF: 2781718.9/25

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

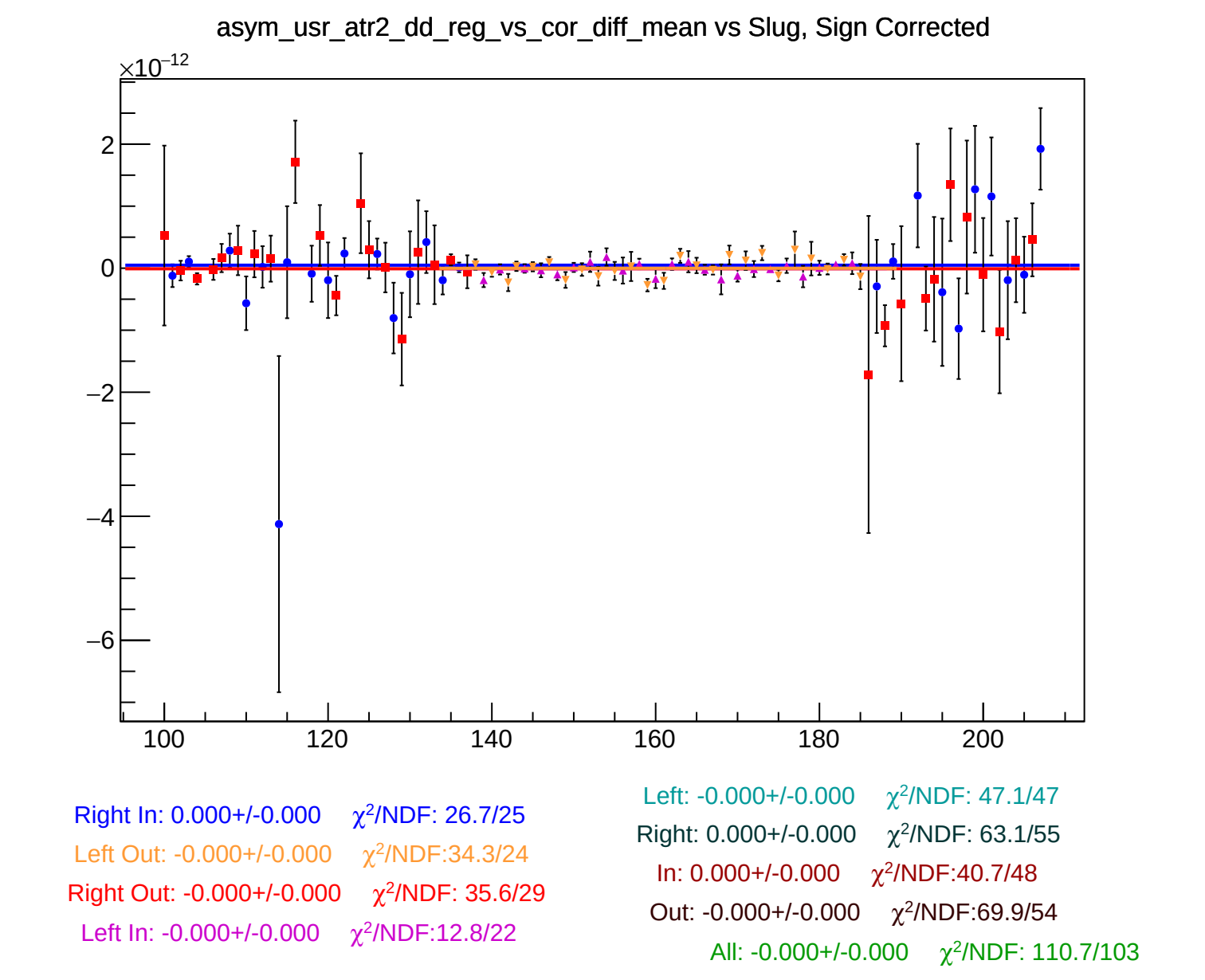
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

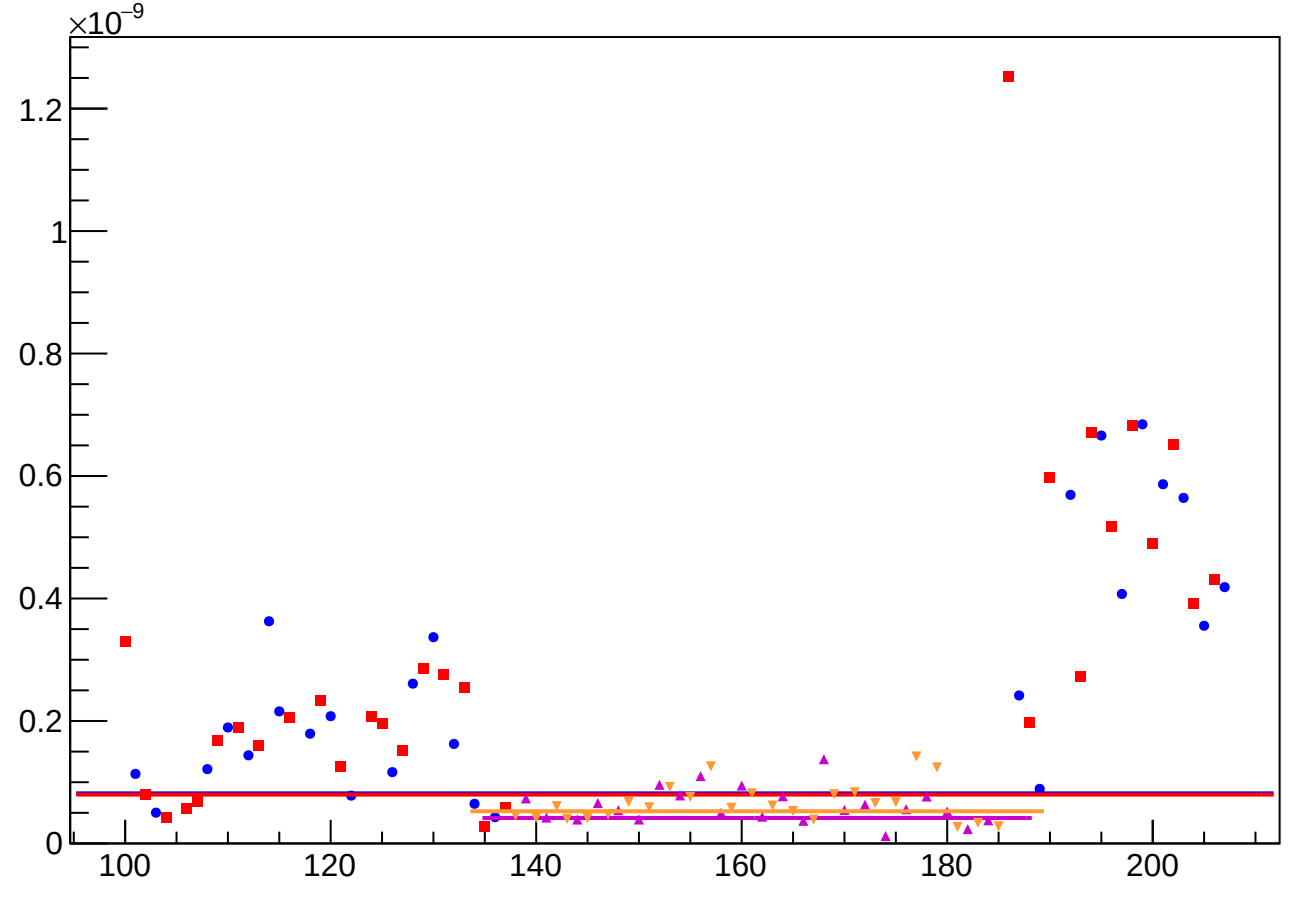
Right: 3899.668+/-0.527 χ^2/NDF: 6809785.1/55

In: 3930.554+/-0.498 χ^2/NDF:3950583.9/48

Out: 3829.591+/-0.475 χ^2/NDF:5080175.7/54

All: 3877.687+/-0.344 χ^2/NDF: 9052290.3/10


asym_usr_atr2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.7/25
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.6/29
Left In: -0.000+/-0.000 χ²/NDF:12.8/22
Left: -0.000+/-0.000 χ²/NDF: 47.1/47
Right: 0.000+/-0.000 χ²/NDF: 63.1/55
In: 0.000+/-0.000 χ²/NDF:40.7/48
Out: -0.000+/-0.000 χ²/NDF:69.9/54
All: -0.000+/-0.000 χ²/NDF: 110.7/103



Right In: 0.000+/-0.000 χ^2/NDF: 6129694.7/25

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

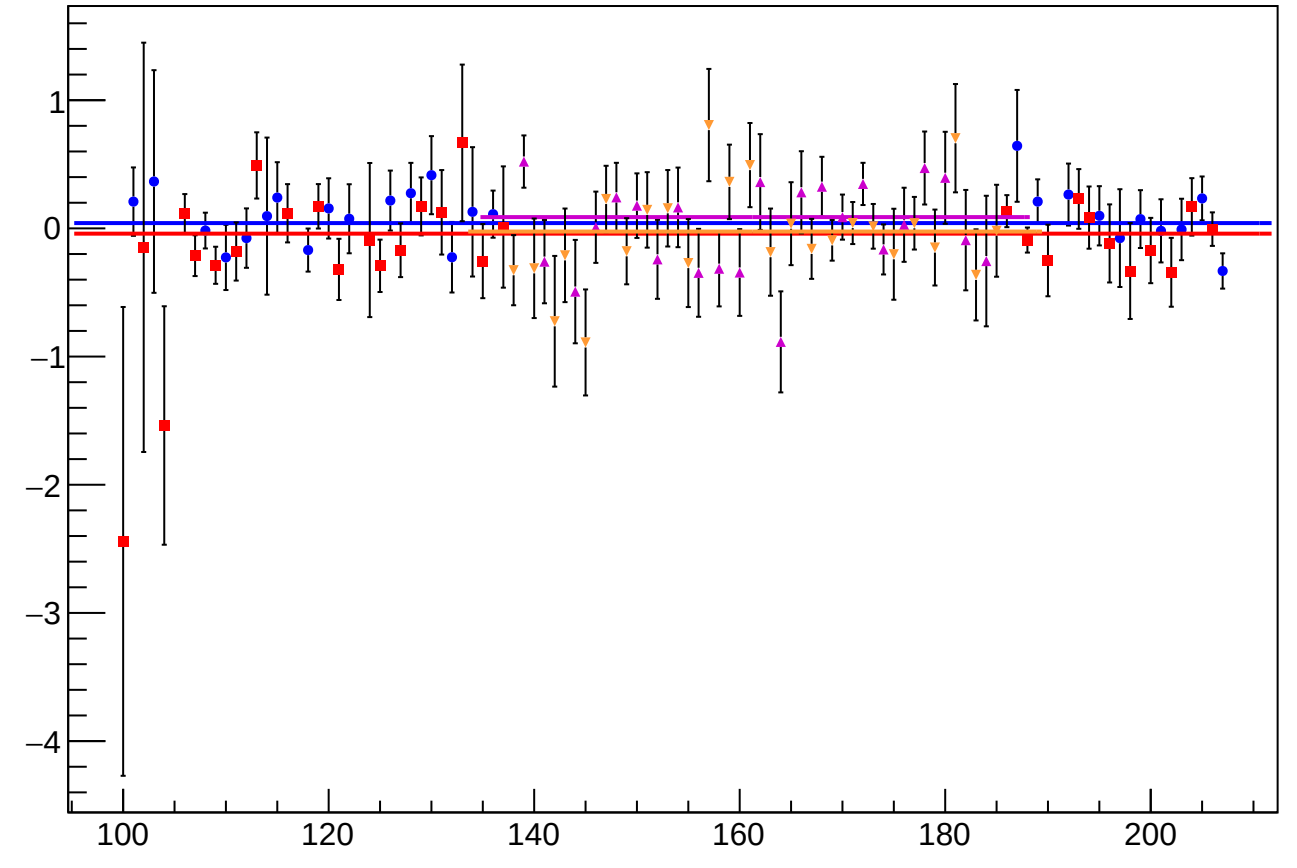
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 13721240.1/55

In: 0.000+/-0.000 χ^2/NDF:10297263.0/48

Out: 0.000+/-0.000 χ^2/NDF:9734305.8/54

All: 0.000+/-0.000 χ^2/NDF: 20297822.0/103



Right In: 0.041+/-0.045 χ^2/NDF: 21.2/25

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

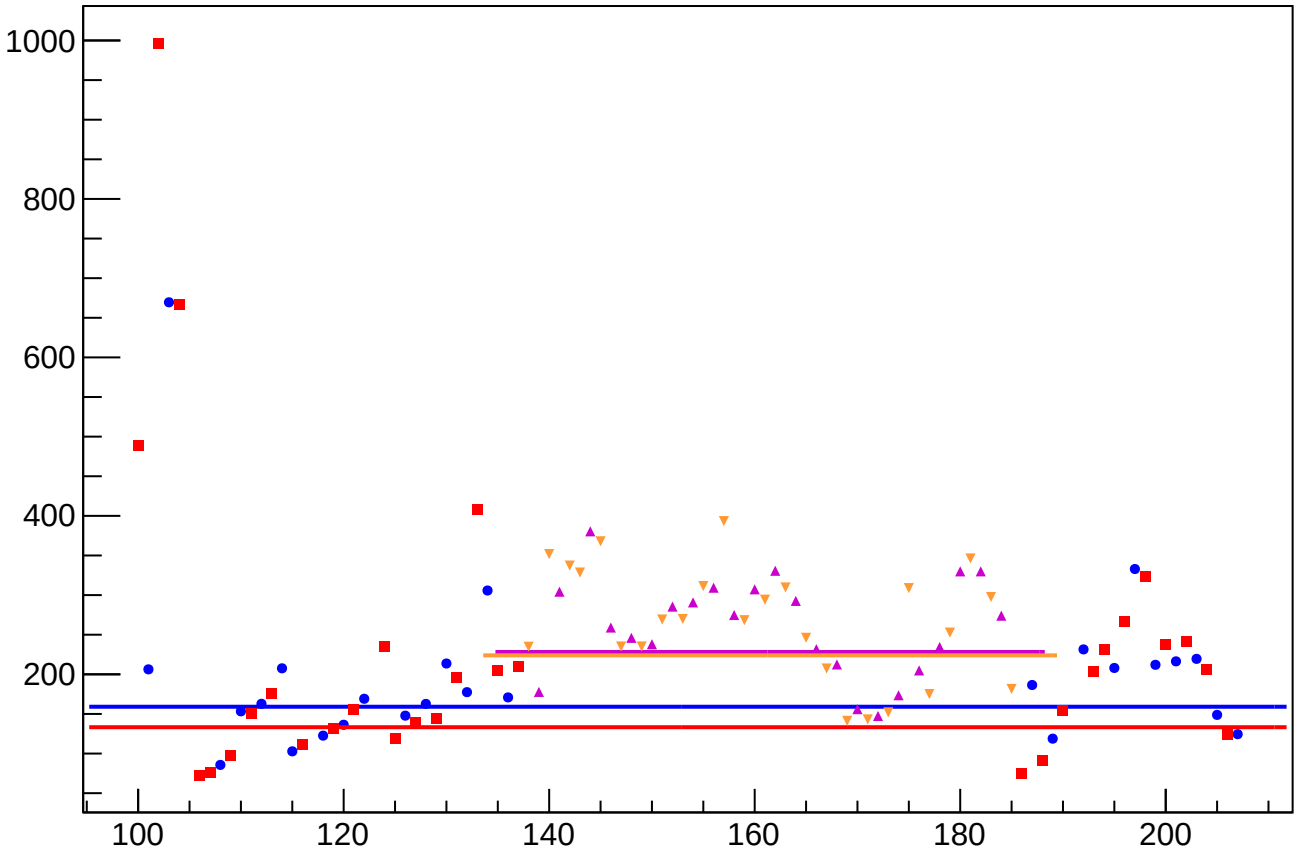
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.006+/-0.029 χ^2/NDF: 53.1/55

In: 0.059+/-0.035 χ^2/NDF:51.6/48

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.007+/-0.023 χ^2/NDF: 109.8/103



Right In: 159.096+/-0.032 χ^2/NDF: 3054596.9/25

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

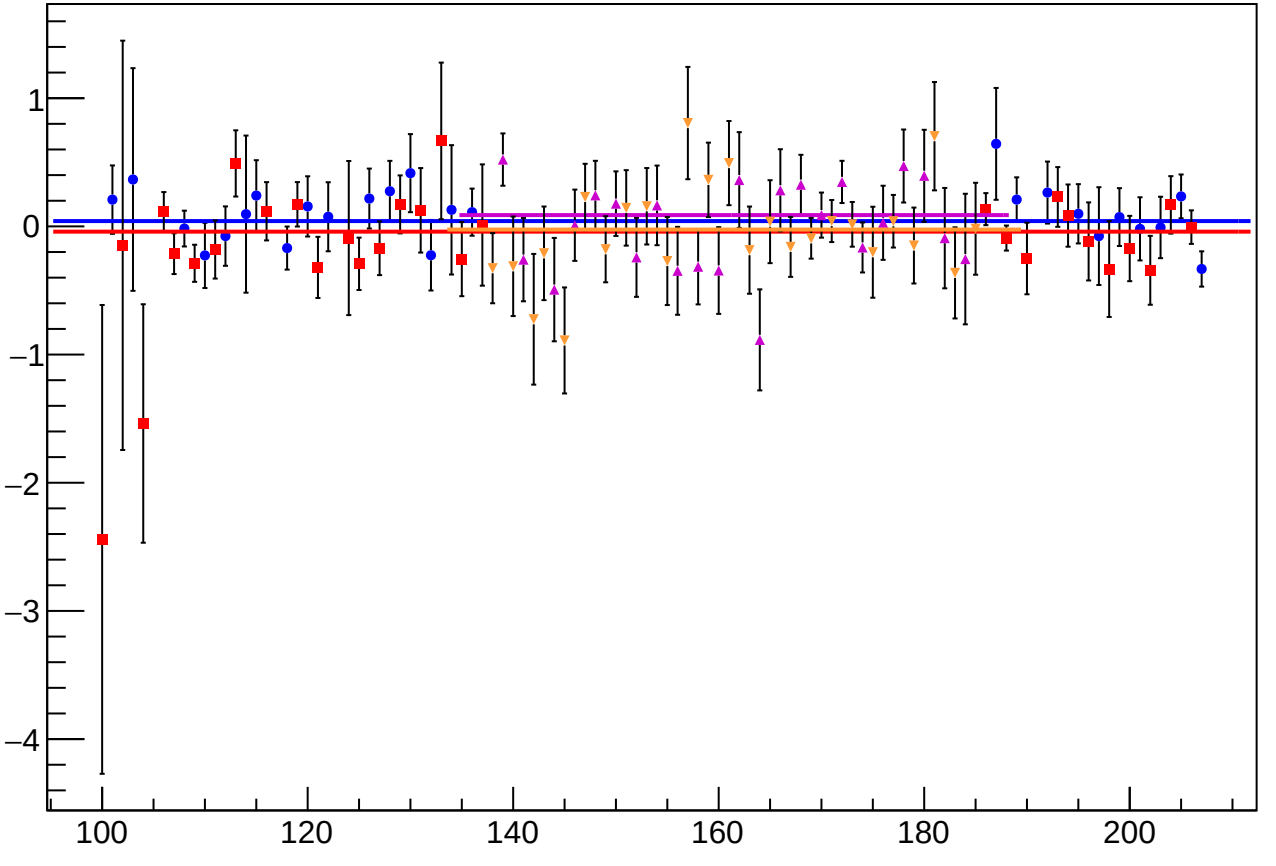
Right: 144.216+/-0.021 χ^2/NDF: 9418353.2/55

In: 185.650+/-0.025 χ^2/NDF:7375406.6/48

Out: 163.293+/-0.022 χ^2/NDF:13108757.1/54

All: 173.234+/-0.017 χ^2/NDF: 20934264.5/10

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.041+/-0.045 χ^2/NDF: 21.2/25

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

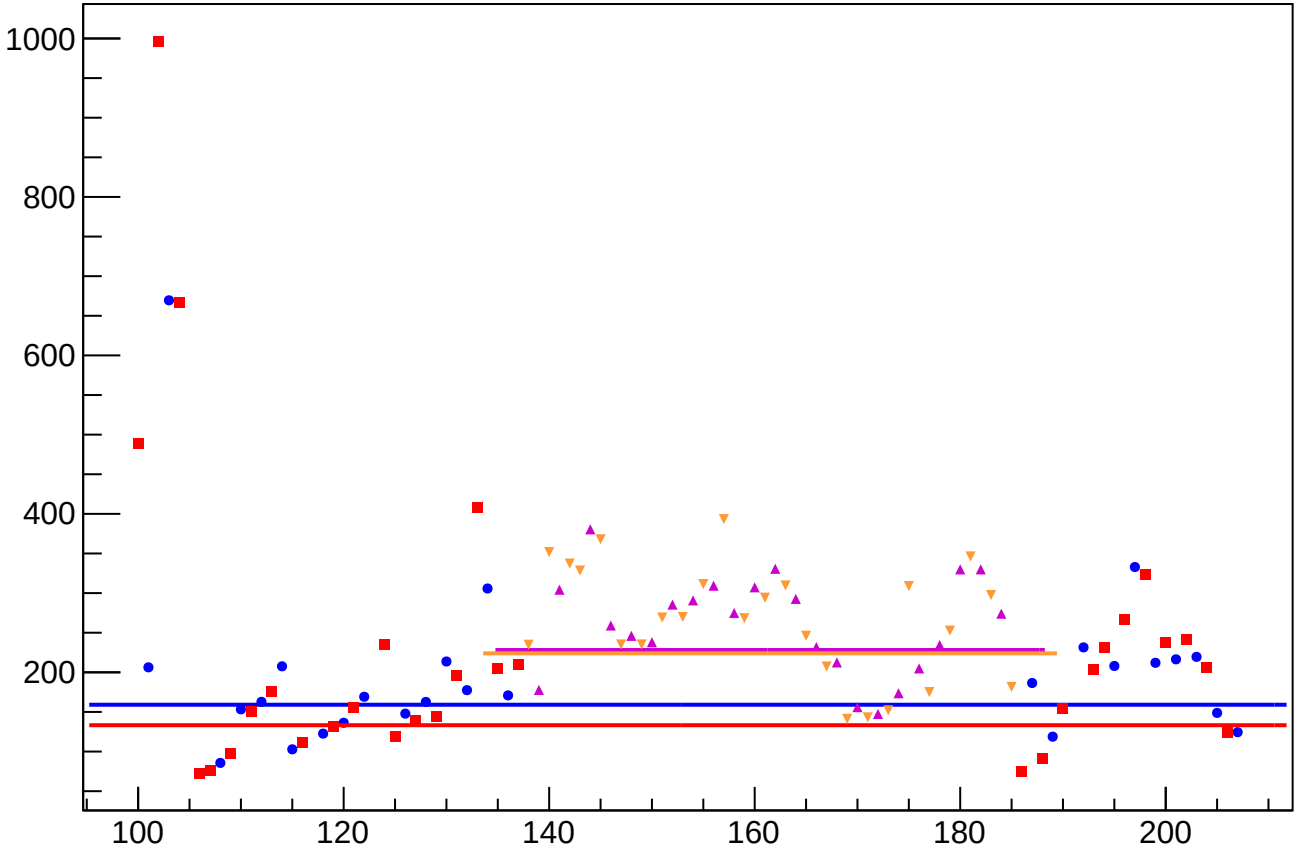
Right: -0.006+/-0.029 χ^2/NDF: 53.1/55

In: 0.059+/-0.035 χ^2/NDF:51.6/48

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.007+/-0.023 χ^2/NDF: 109.8/103

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.096+/-0.032 χ^2/NDF: 3054596.9/25

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

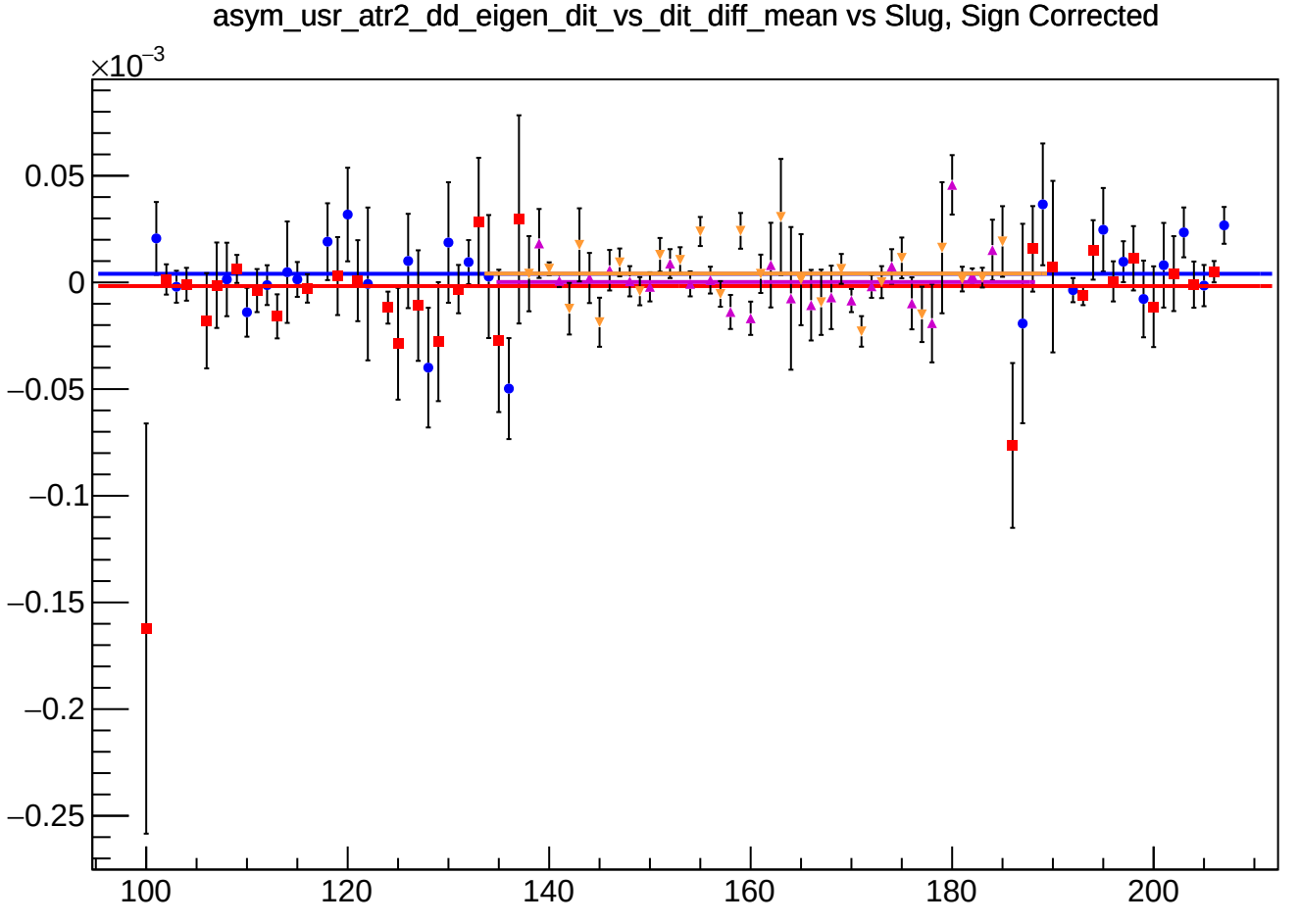
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 144.216+/-0.021 χ^2/NDF: 9418353.2/55

In: 185.650+/-0.025 χ^2/NDF:7375406.6/48

Out: 163.293+/-0.022 χ^2/NDF:13108757.1/54

All: 173.234+/-0.017 χ^2/NDF: 20934264.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 30.4/25

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

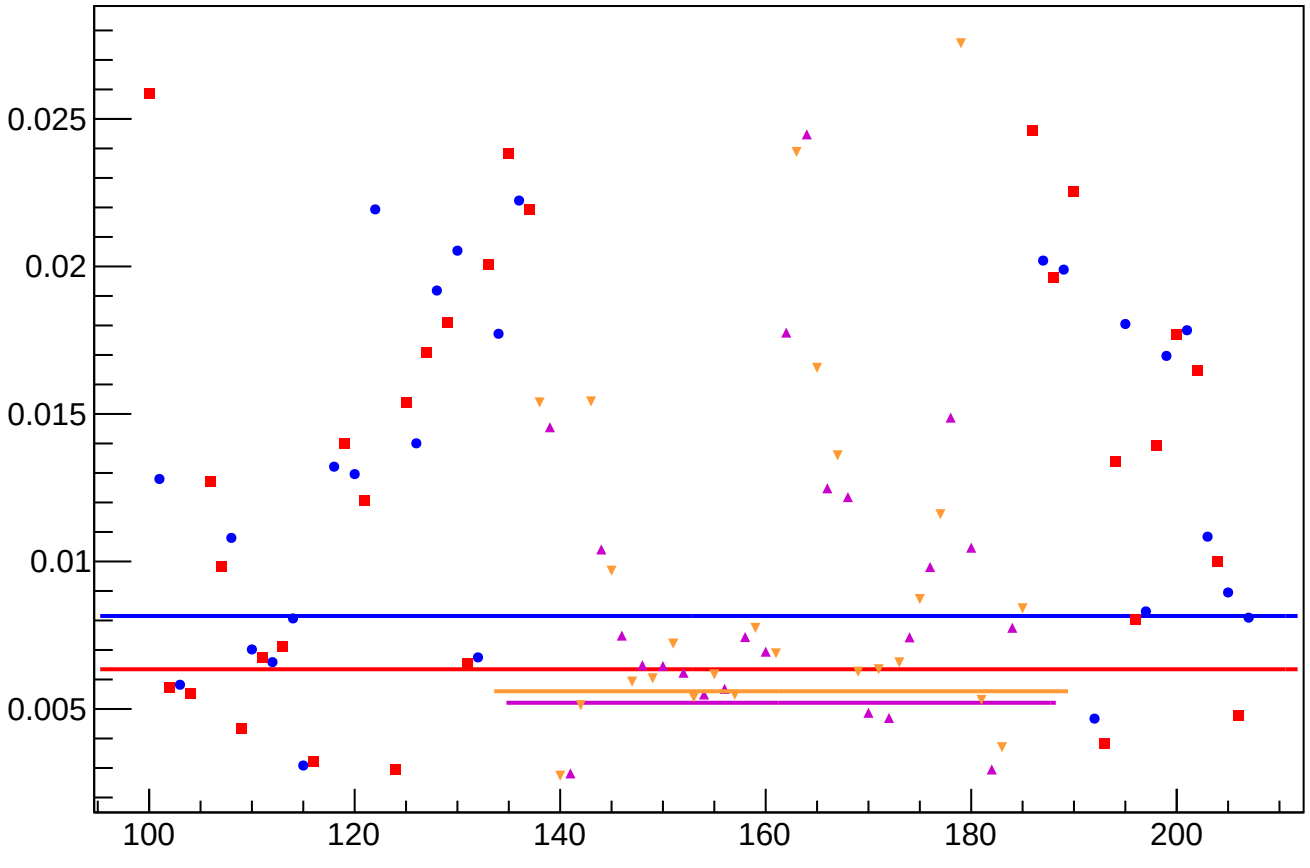
Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

Right: 0.000+/-0.000 χ^2/NDF: 56.9/55

In: 0.000+/-0.000 χ^2/NDF:62.3/48

Out: 0.000+/-0.000 χ^2/NDF:77.8/54

All: 0.000+/-0.000 χ^2/NDF: 140.4/103



Right In: 0.008+/-0.000 χ^2/NDF: 6400332.3/25

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

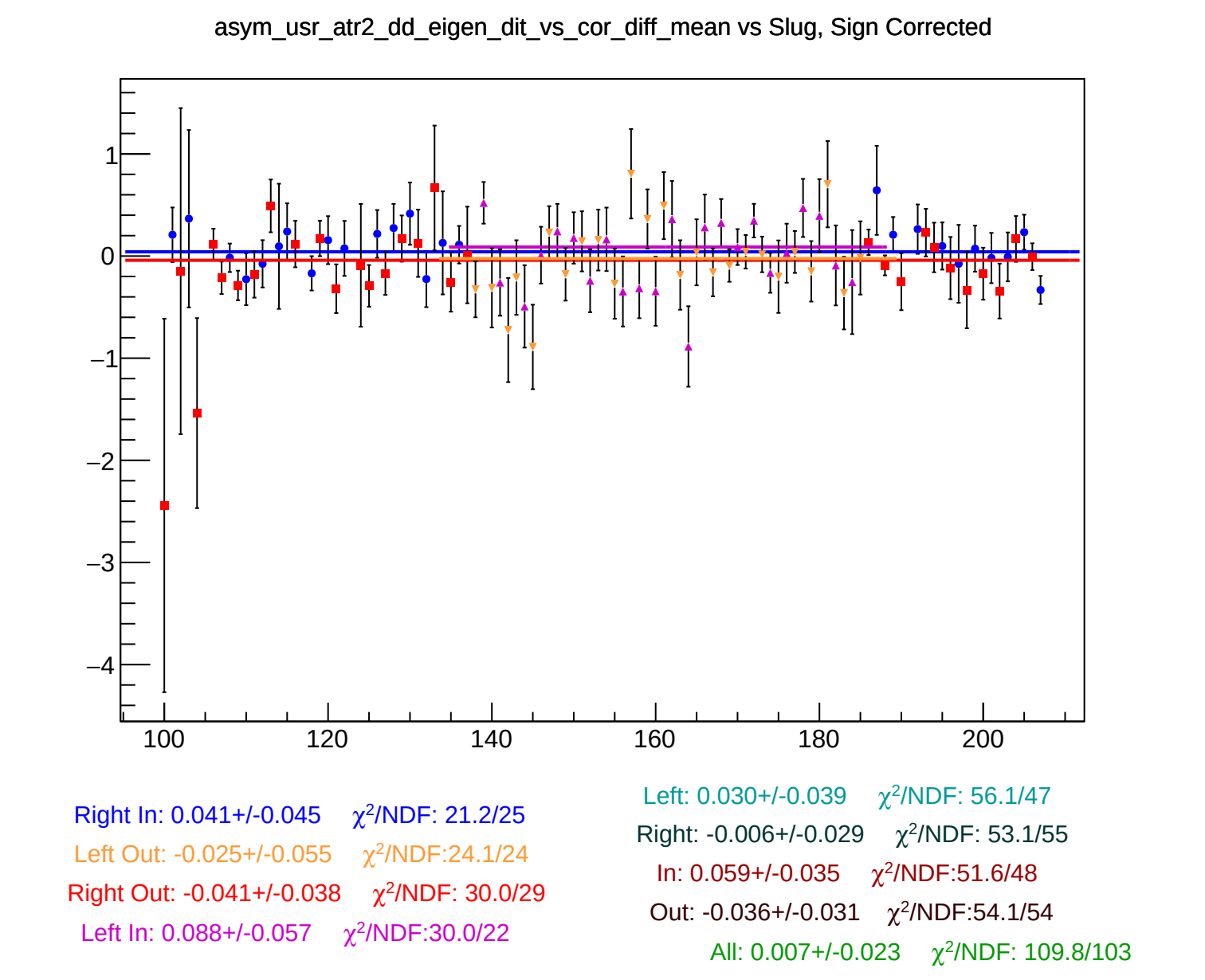
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

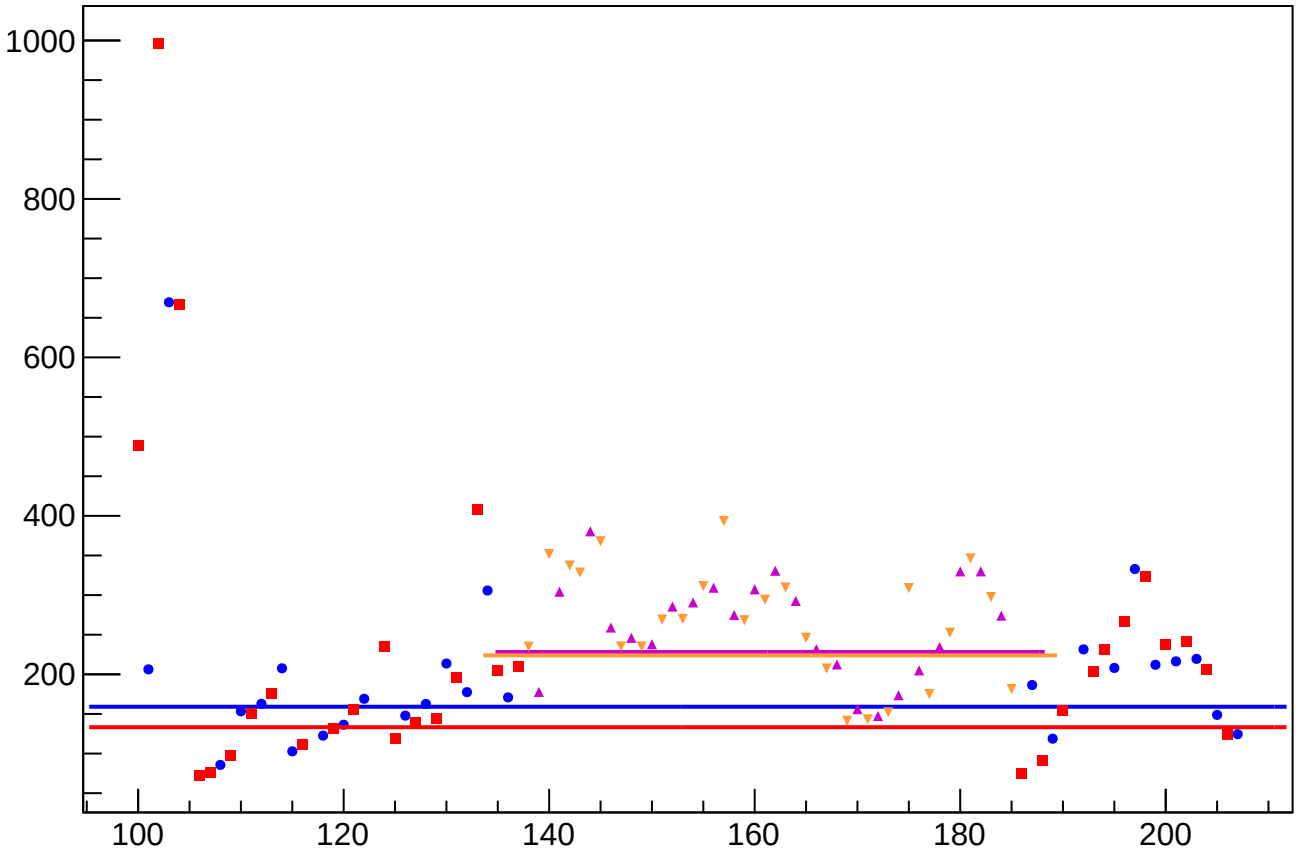
Right: 0.007+/-0.000 χ^2/NDF: 16309086.9/55

In: 0.006+/-0.000 χ^2/NDF:16012068.9/48

Out: 0.006+/-0.000 χ^2/NDF:17192529.0/54

All: 0.006+/-0.000 χ^2/NDF: 33209303.3/103


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.041+/-0.045 χ²/NDF: 21.2/25
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: -0.041+/-0.038 χ²/NDF: 30.0/29
Left In: 0.088+/-0.057 χ²/NDF:30.0/22
Left: 0.030+/-0.039 χ²/NDF: 56.1/47
Right: -0.006+/-0.029 χ²/NDF: 53.1/55
In: 0.059+/-0.035 χ²/NDF:51.6/48
Out: -0.036+/-0.031 χ²/NDF:54.1/54
All: 0.007+/-0.023 χ²/NDF: 109.8/103



Right In: 159.093+/-0.032 χ^2/NDF: 3054772.9/25

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

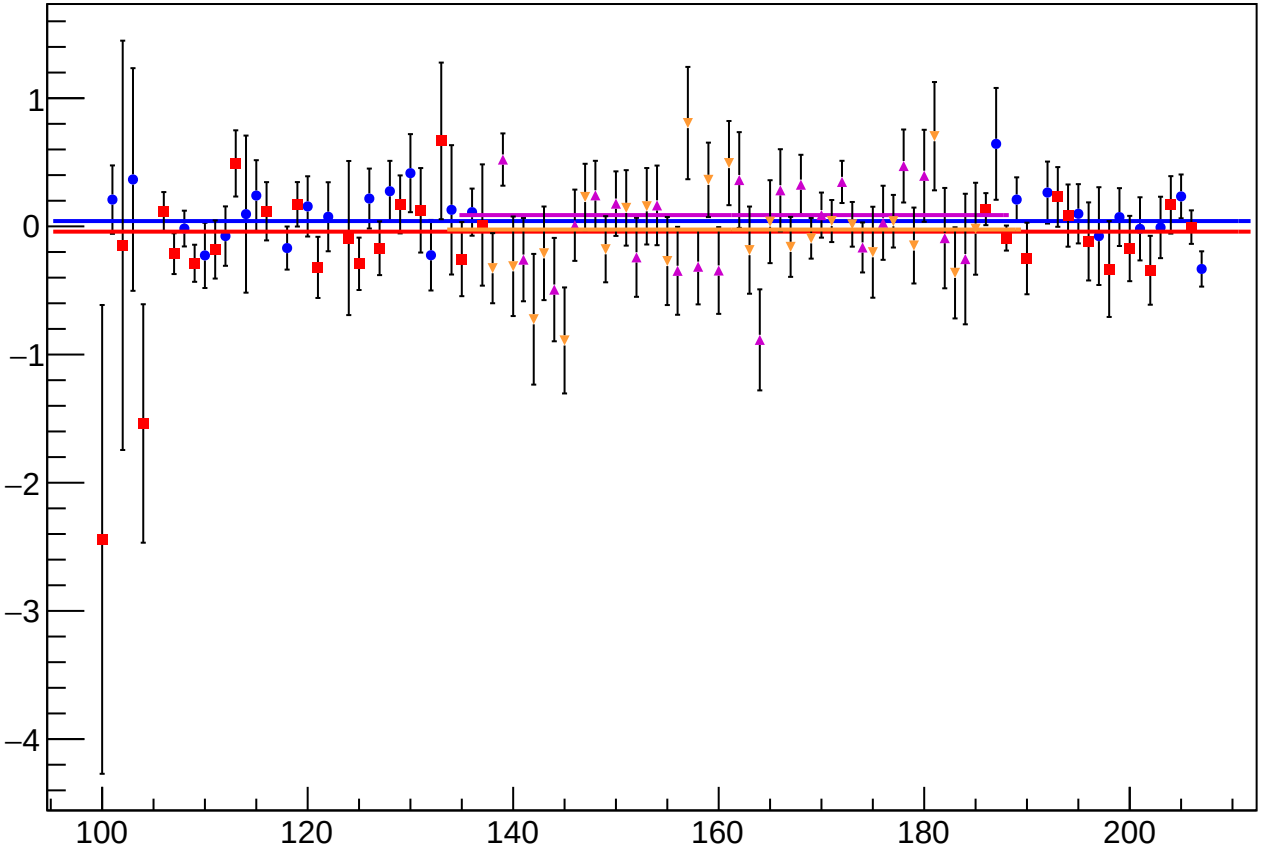
Right: 144.218+/-0.021 χ^2/NDF: 9417831.7/55

In: 185.649+/-0.025 χ^2/NDF:7375856.2/48

Out: 163.297+/-0.022 χ^2/NDF:13108027.6/54

All: 173.235+/-0.017 χ^2/NDF: 20933746.7/10

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.041+/-0.045 χ^2/NDF: 21.2/25

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

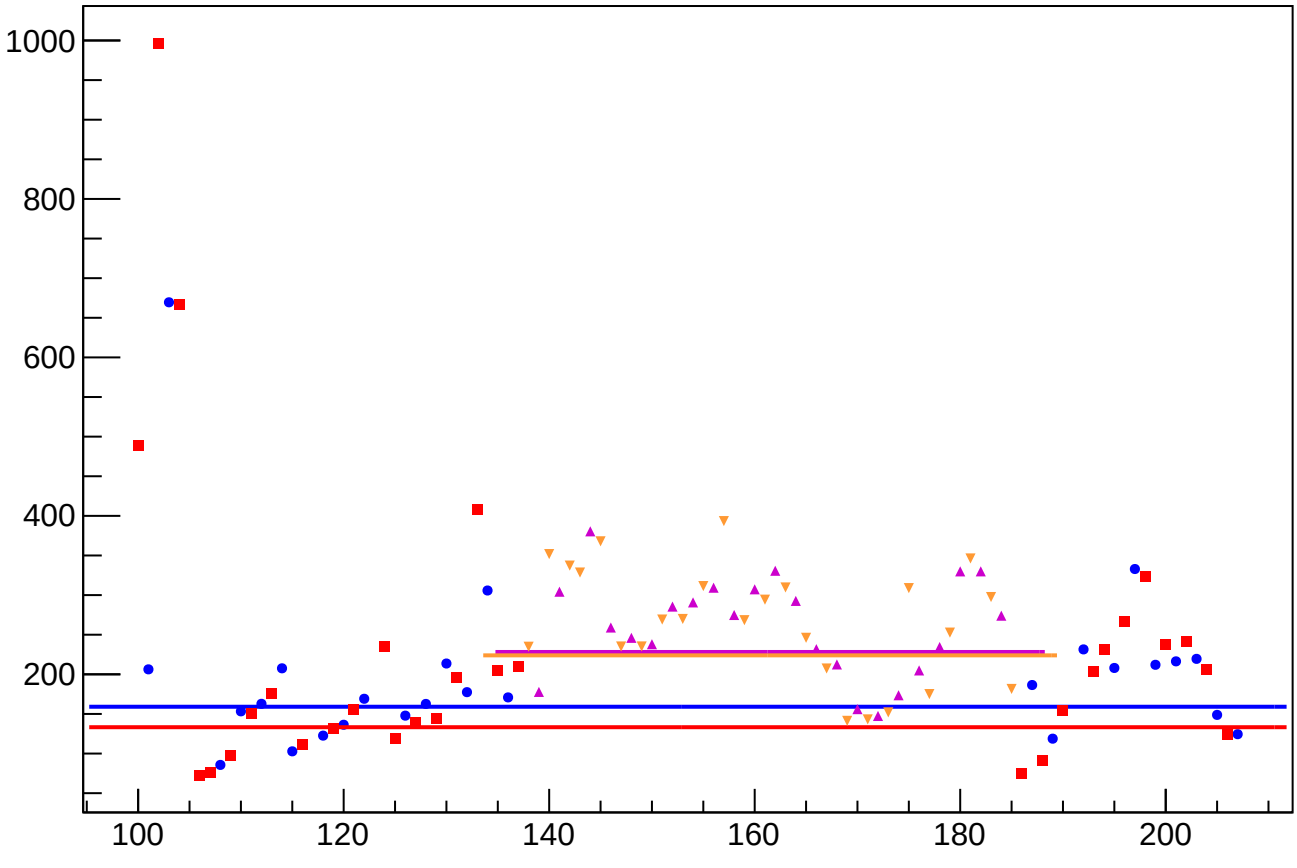
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: -0.006+/-0.029 χ^2/NDF: 53.1/55

In: 0.059+/-0.035 χ^2/NDF:51.6/48

Out: -0.036+/-0.031 χ^2/NDF:54.1/54

All: 0.007+/-0.023 χ^2/NDF: 109.8/103



Right In: 159.093+/-0.032 χ^2/NDF: 3054772.9/25

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

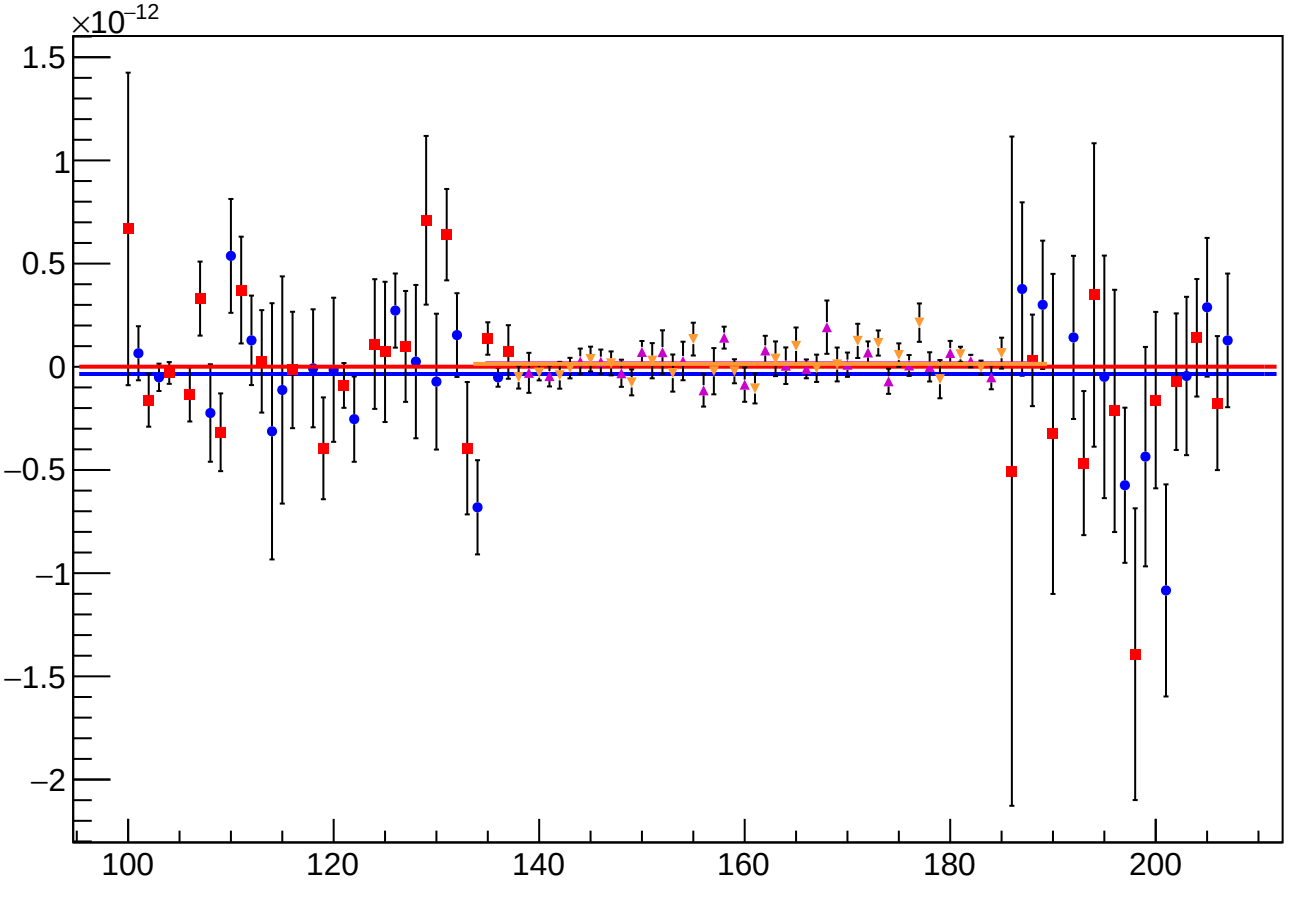
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 144.218+/-0.021 χ^2/NDF: 9417831.7/55

In: 185.649+/-0.025 χ^2/NDF:7375856.2/48

Out: 163.297+/-0.022 χ^2/NDF:13108027.6/54

All: 173.235+/-0.017 χ^2/NDF: 20933746.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.8/25

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

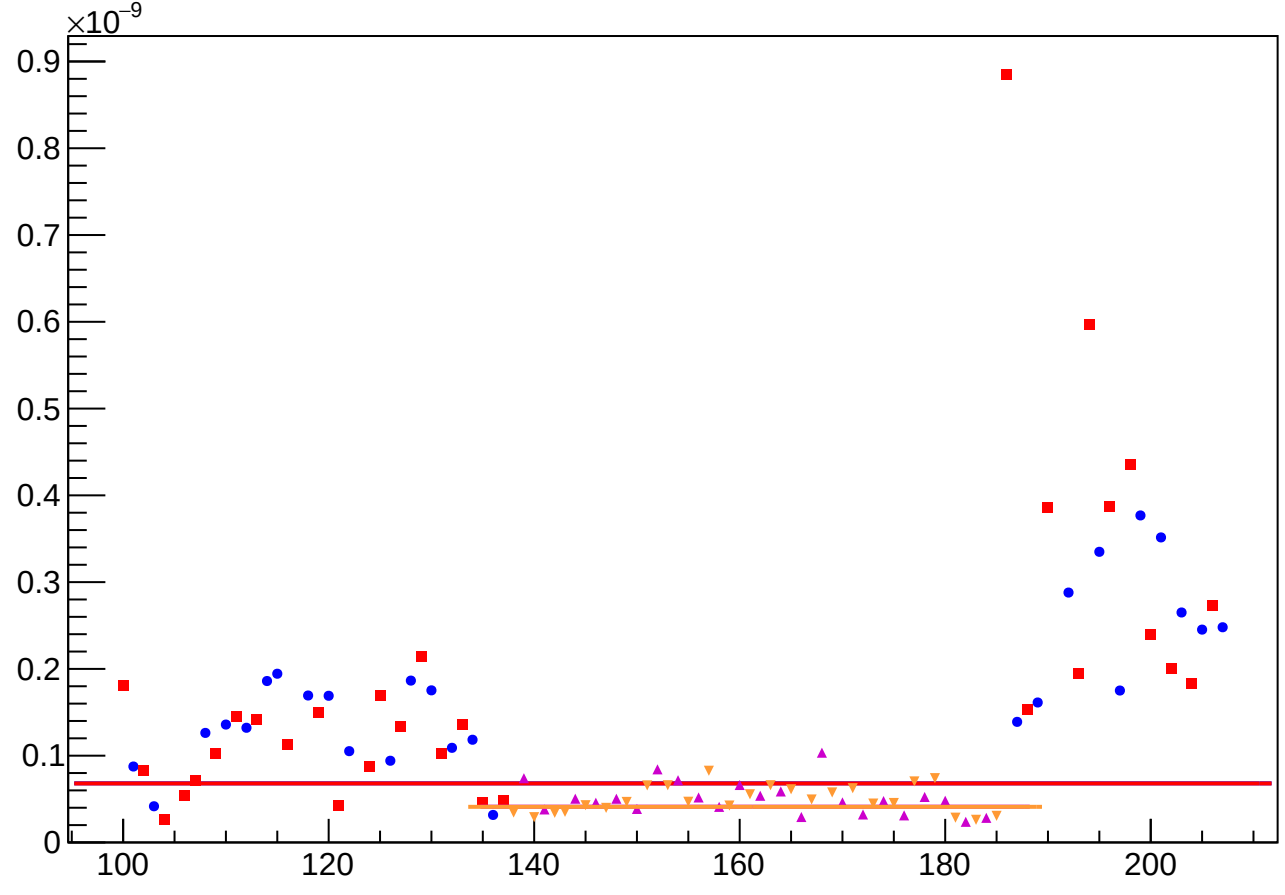
Right: -0.000+/-0.000 χ^2/NDF: 69.3/55

In: 0.000+/-0.000 χ^2/NDF:53.9/48

Out: 0.000+/-0.000 χ^2/NDF:64.4/54

All: 0.000+/-0.000 χ^2/NDF: 118.3/103

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7779365.2/25

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

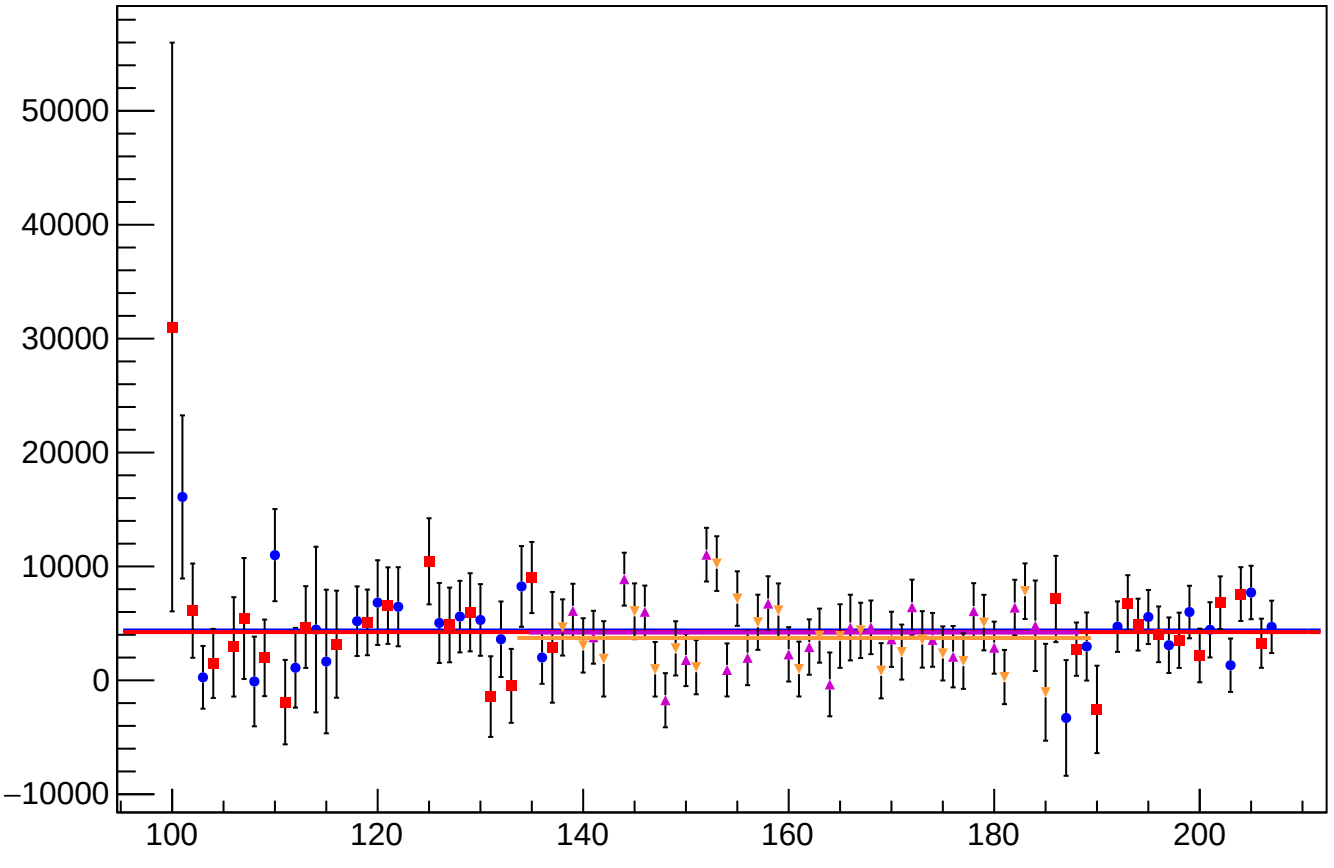
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16135921.6/55

In: 0.000+/-0.000 χ^2/NDF:11921721.6/48

Out: 0.000+/-0.000 χ^2/NDF:12321950.8/54

All: 0.000+/-0.000 χ^2/NDF: 24244165.9/103



Right In: 4377.454+/-585.541 χ^2/NDF: 20.7/25

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

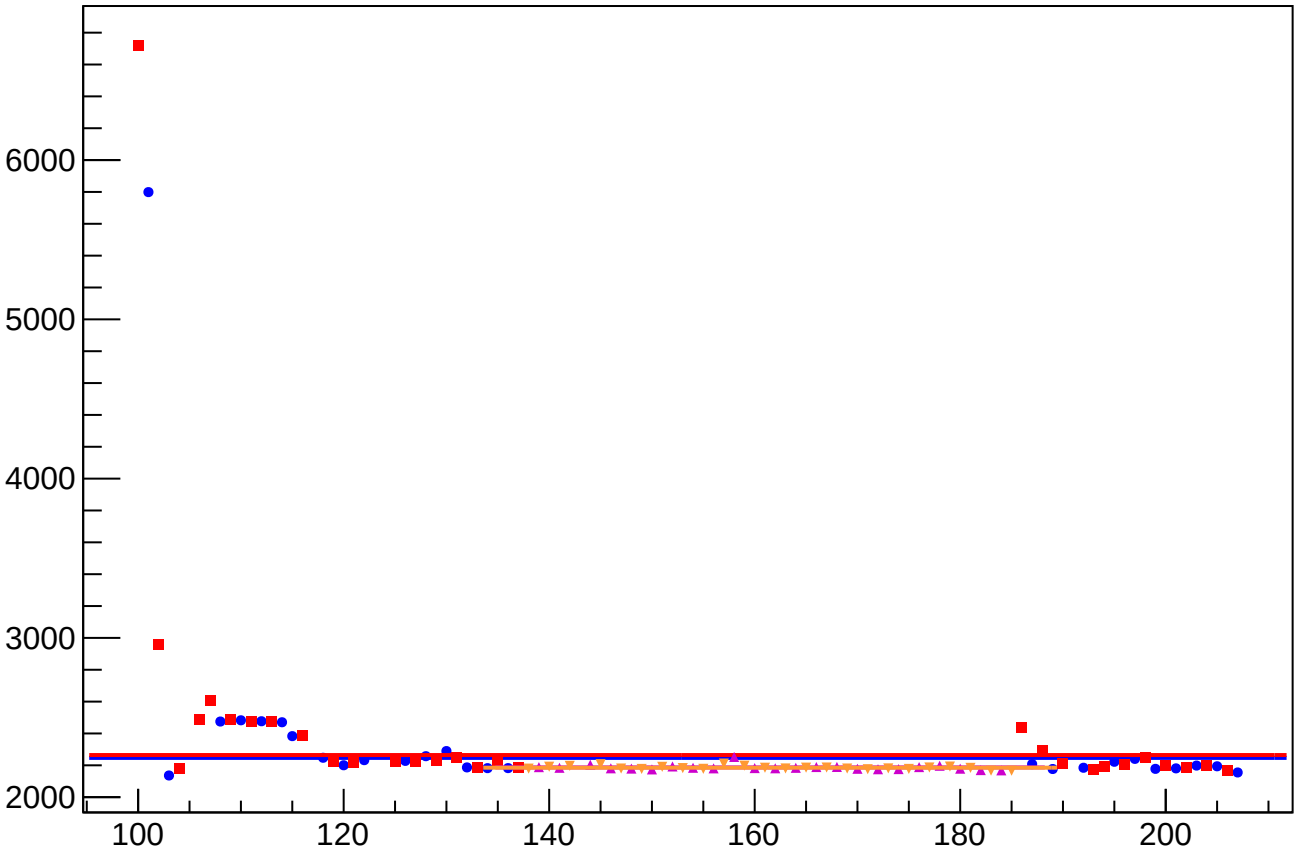
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4304.446+/-407.960 χ^2/NDF: 46.5/54

In: 4274.342+/-384.825 χ^2/NDF:52.8/48

Out: 3950.326+/-378.512 χ^2/NDF:51.7/52

All: 4109.654+/-269.853 χ^2/NDF: 104.9/101



Right In: 2246.640+/-0.414 χ^2/NDF: 535303.9/25

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

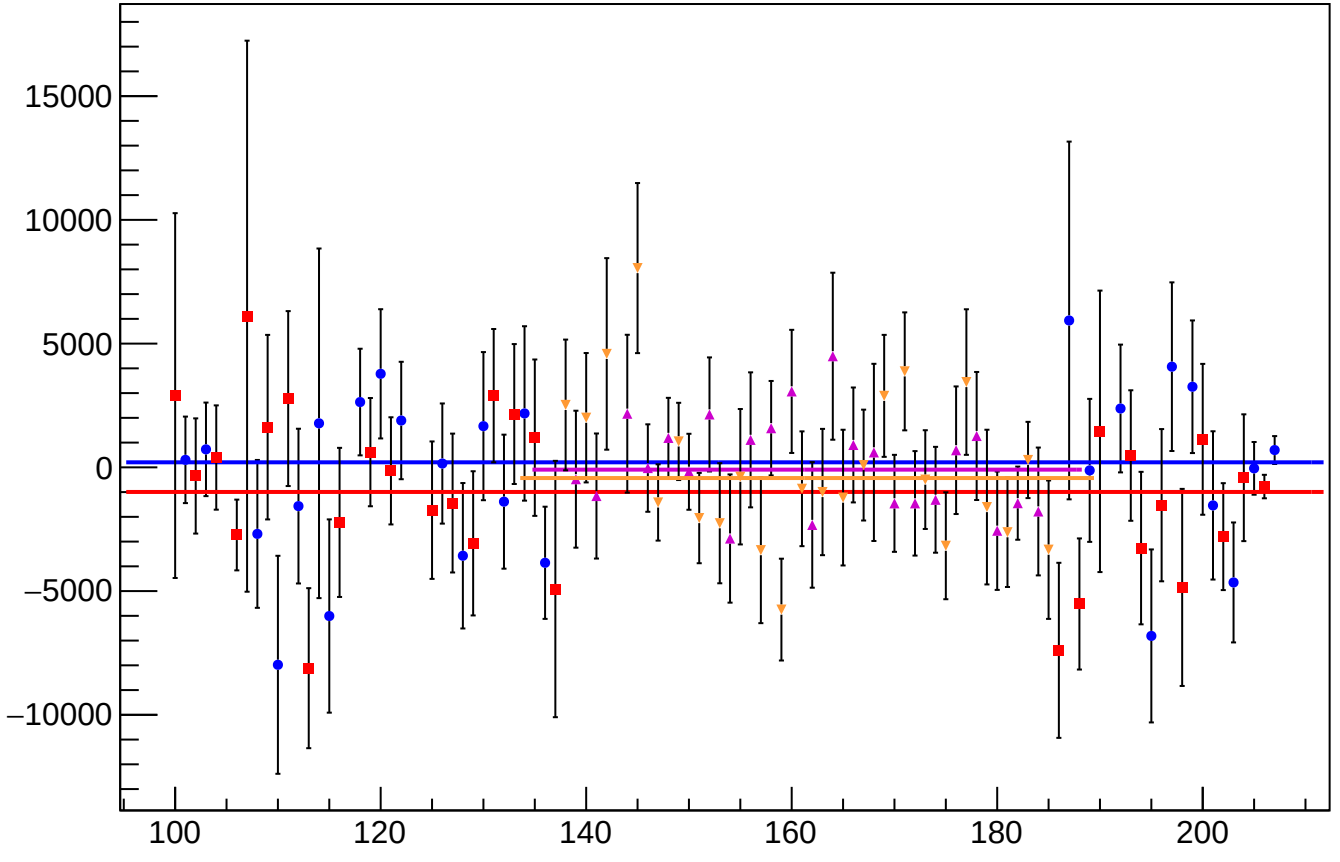
Right: 2255.824+/-0.288 χ^2/NDF: 718757.0/54

In: 2212.615+/-0.272 χ^2/NDF:549255.3/48

Out: 2220.284+/-0.268 χ^2/NDF:205002.4/52

All: 2216.513+/-0.191 χ^2/NDF: 754661.4/101

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: 203.432+/-372.343 χ^2/NDF: 29.9/25

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

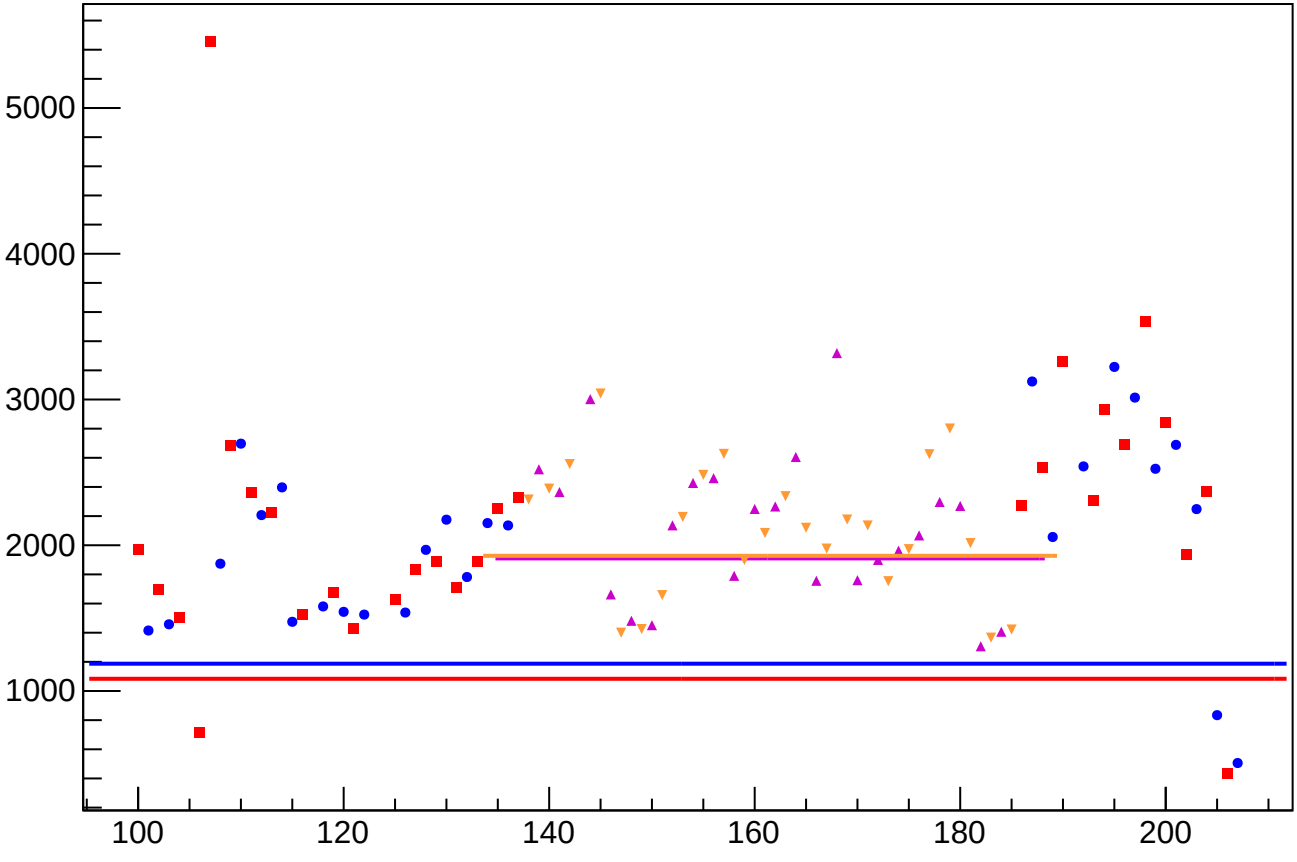
Right: -429.072+/-255.790 χ^2/NDF: 60.0/54

In: 86.436+/-289.580 χ^2/NDF:42.9/48

Out: -788.124+/-280.076 χ^2/NDF:56.9/52

All: -365.430+/-201.320 χ^2/NDF: 104.5/101

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1187.341+/-0.263 χ^2/NDF: 8491871.9/25

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

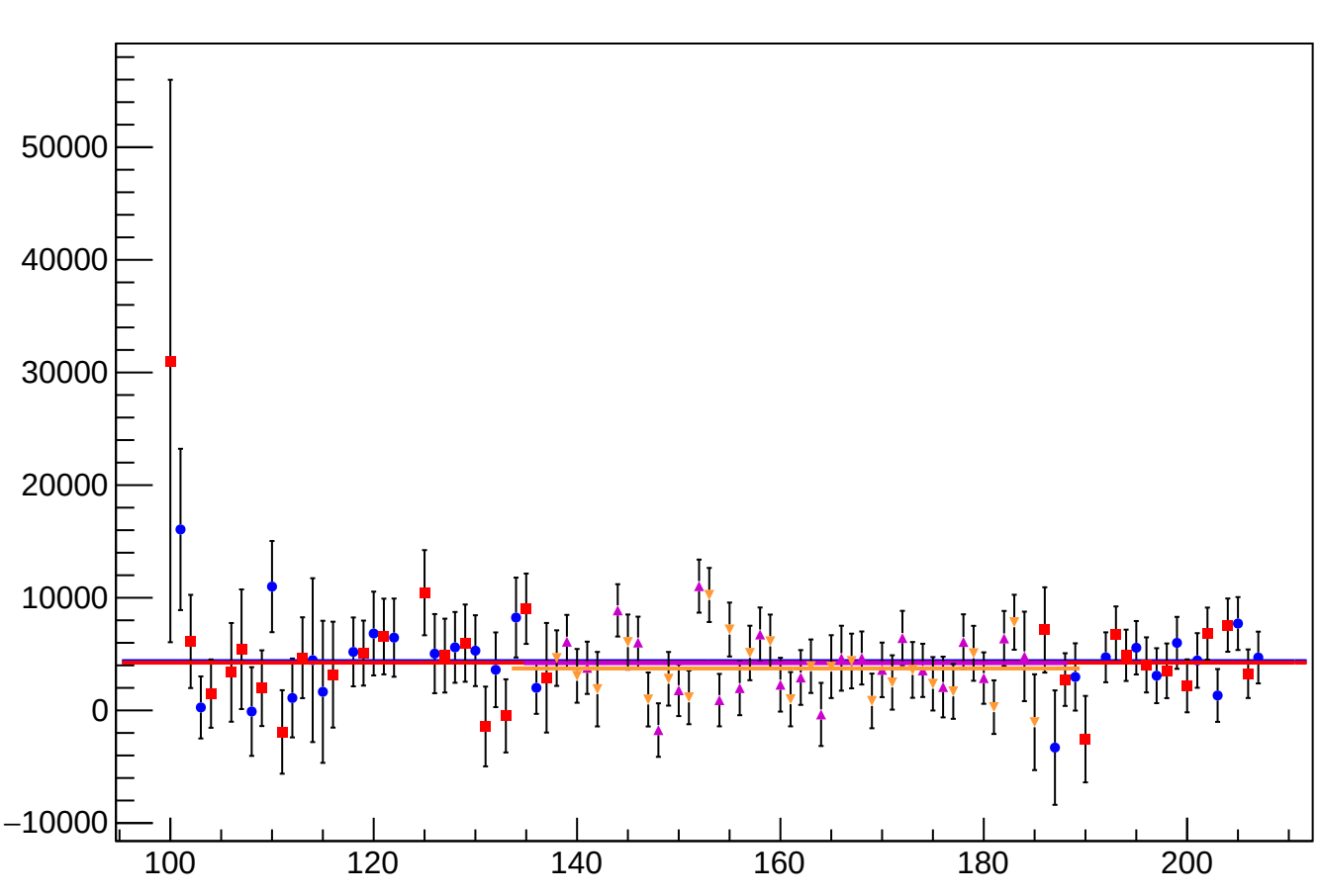
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1132.681+/-0.181 χ^2/NDF: 20249546.6/54

In: 1472.744+/-0.205 χ^2/NDF:13407878.9/48

Out: 1393.432+/-0.198 χ^2/NDF:17691468.5/52

All: 1431.765+/-0.142 χ^2/NDF: 31176863.1/



Right In: 4377.210+/-585.541 χ^2/NDF: 20.6/25

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

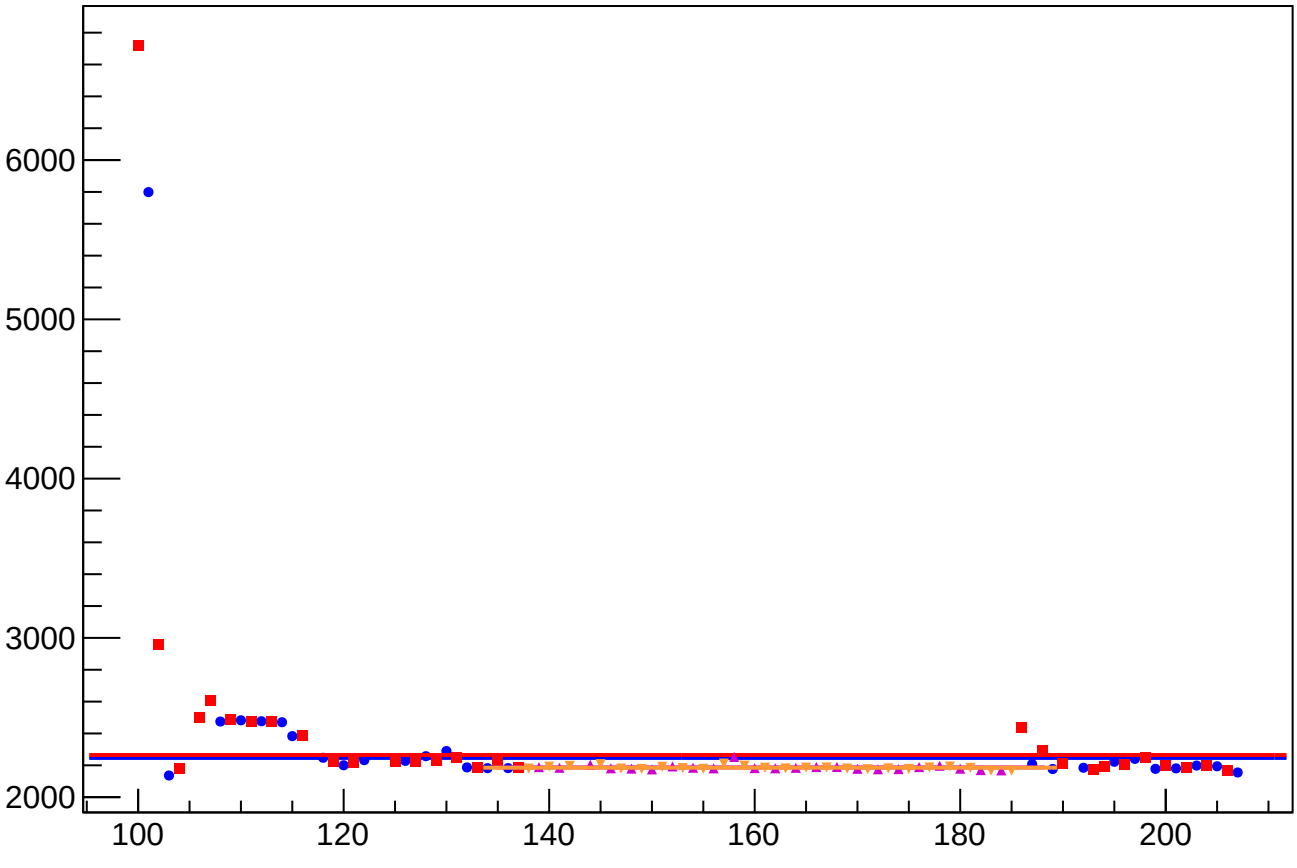
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4308.321+/-407.976 χ^2/NDF: 46.4/54

In: 4274.304+/-384.825 χ^2/NDF:52.8/48

Out: 3953.711+/-378.525 χ^2/NDF:51.7/52

All: 4111.361+/-269.857 χ^2/NDF: 104.8/101



Right In: 2246.640+/-0.414 χ^2/NDF: 535304.3/25

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

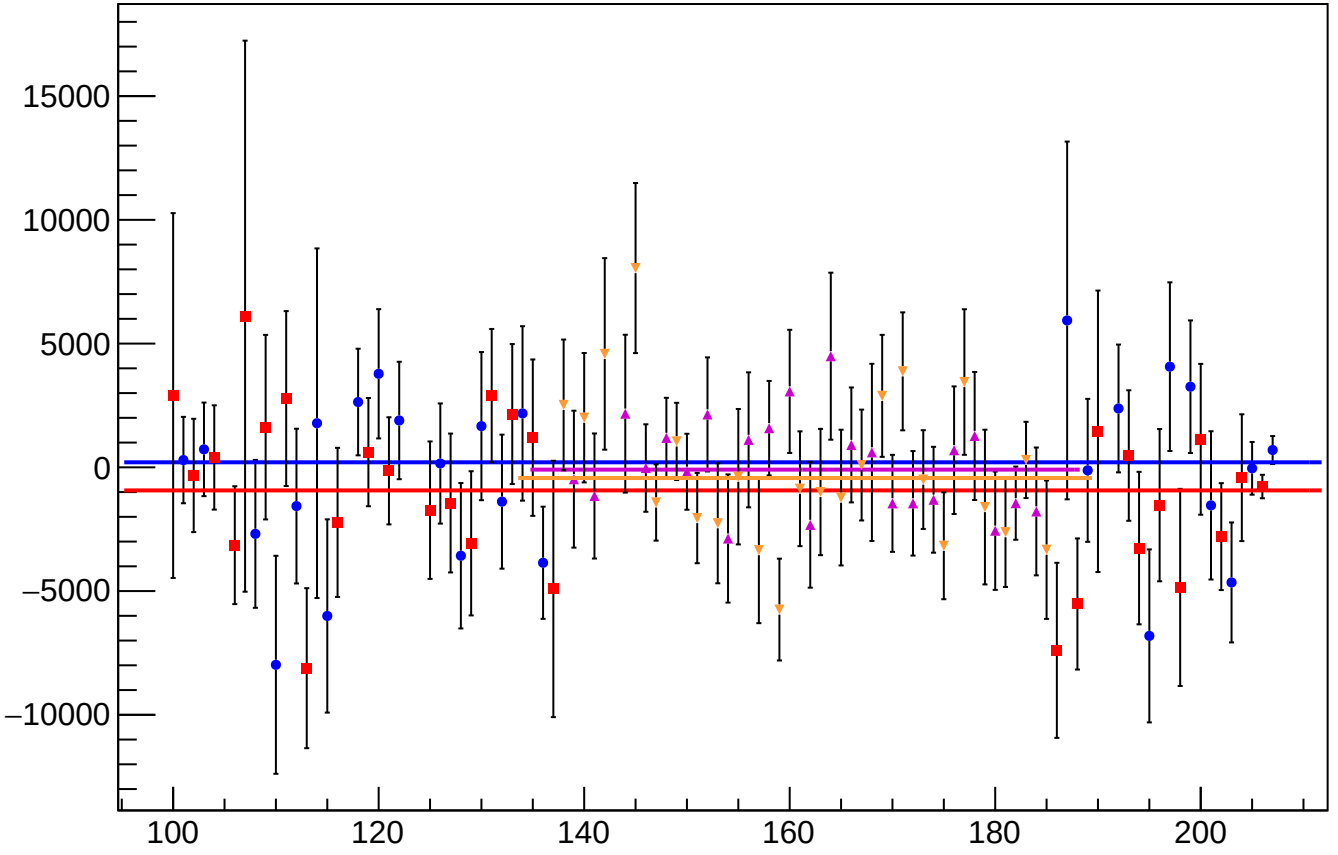
Right: 2255.899+/-0.288 χ^2/NDF: 719243.5/54

In: 2212.615+/-0.272 χ^2/NDF:549255.7/48

Out: 2220.347+/-0.268 χ^2/NDF:205551.6/52

All: 2216.545+/-0.191 χ^2/NDF: 755217.6/101

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: 203.256+/-372.315 χ^2/NDF: 29.9/25

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

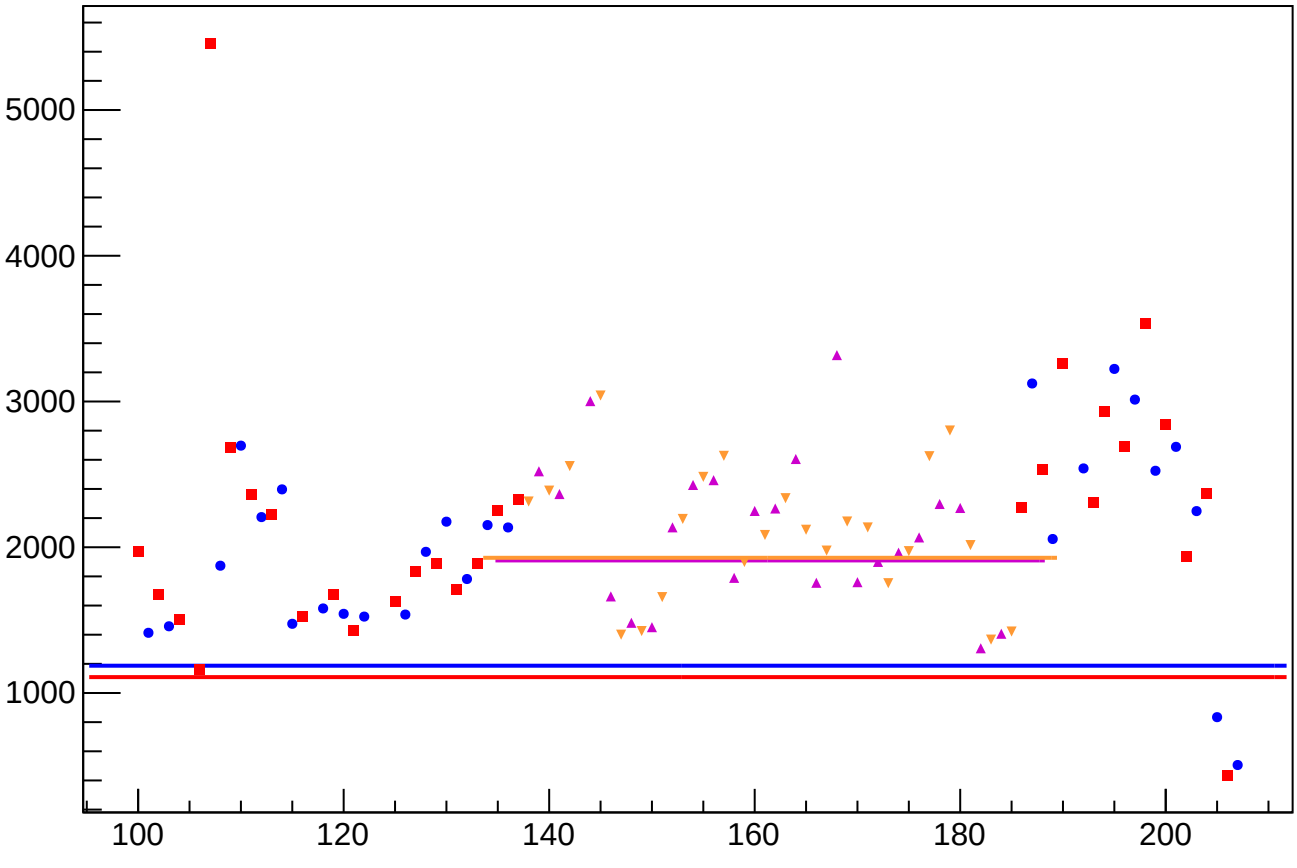
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -385.447+/-258.387 χ^2/NDF: 58.7/54

In: 86.359+/-289.567 χ^2/NDF:42.9/48

Out: -744.421+/-283.507 χ^2/NDF:56.0/52

All: -337.815+/-202.578 χ^2/NDF: 103.1/101



Right In: 1187.261+/-0.263 χ^2/NDF: 8491747.4/25

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

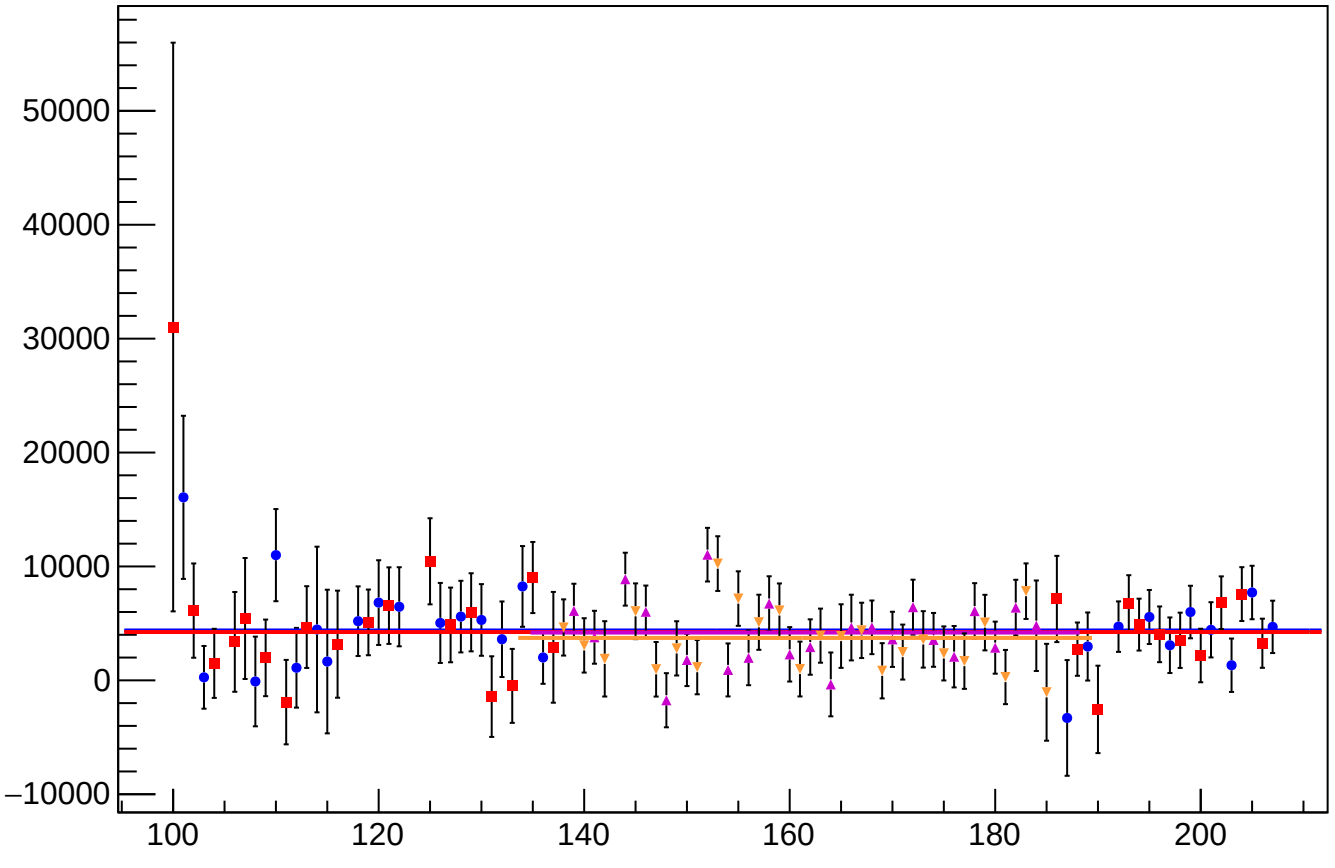
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1146.691+/-0.183 χ^2/NDF: 20069148.7/54

In: 1472.672+/-0.205 χ^2/NDF:13408638.8/48

Out: 1416.767+/-0.200 χ^2/NDF:17242554.1/52

All: 1444.128+/-0.143 χ^2/NDF: 30689254.1/1



Right In: 4377.210+/-585.541 χ^2/NDF: 20.6/25

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

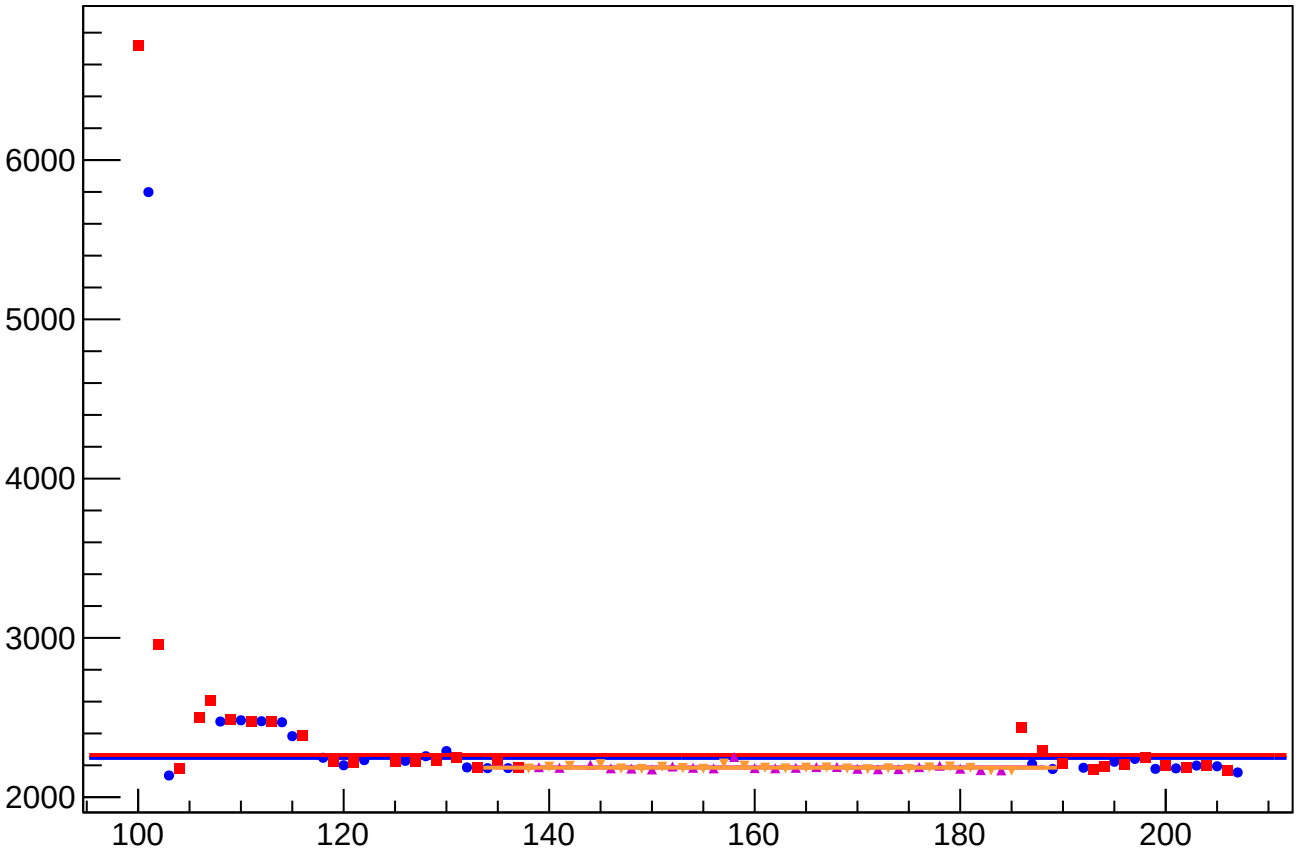
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4308.321+/-407.976 χ^2/NDF: 46.4/54

In: 4274.304+/-384.825 χ^2/NDF:52.8/48

Out: 3953.711+/-378.525 χ^2/NDF:51.7/52

All: 4111.361+/-269.857 χ^2/NDF: 104.8/101



Right In: 2246.640+/-0.414 χ^2/NDF: 535304.3/25

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

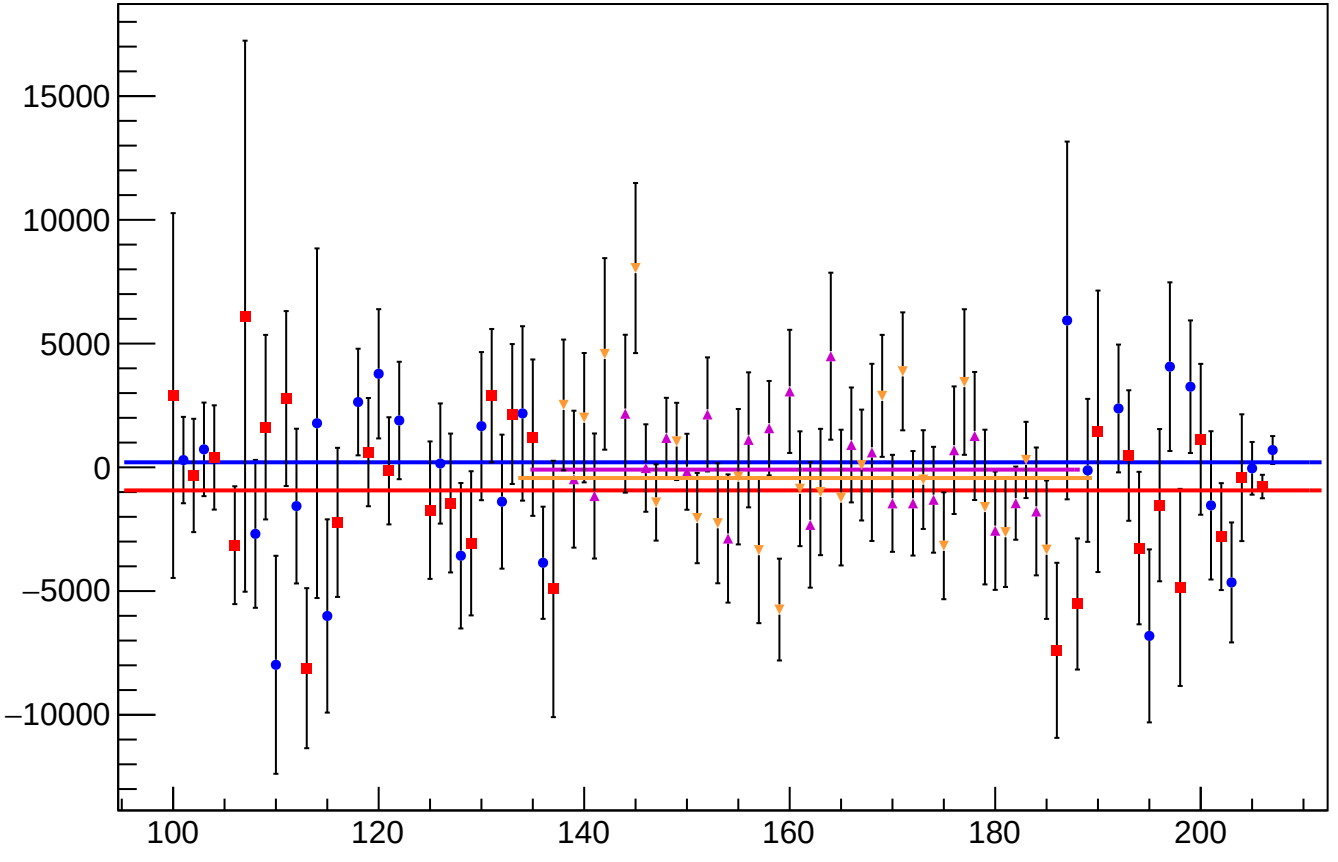
Right: 2255.899+/-0.288 χ^2/NDF: 719243.5/54

In: 2212.615+/-0.272 χ^2/NDF:549255.7/48

Out: 2220.347+/-0.268 χ^2/NDF:205551.6/52

All: 2216.545+/-0.191 χ^2/NDF: 755217.6/101

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 203.256+/-372.315 χ^2/NDF: 29.9/25

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

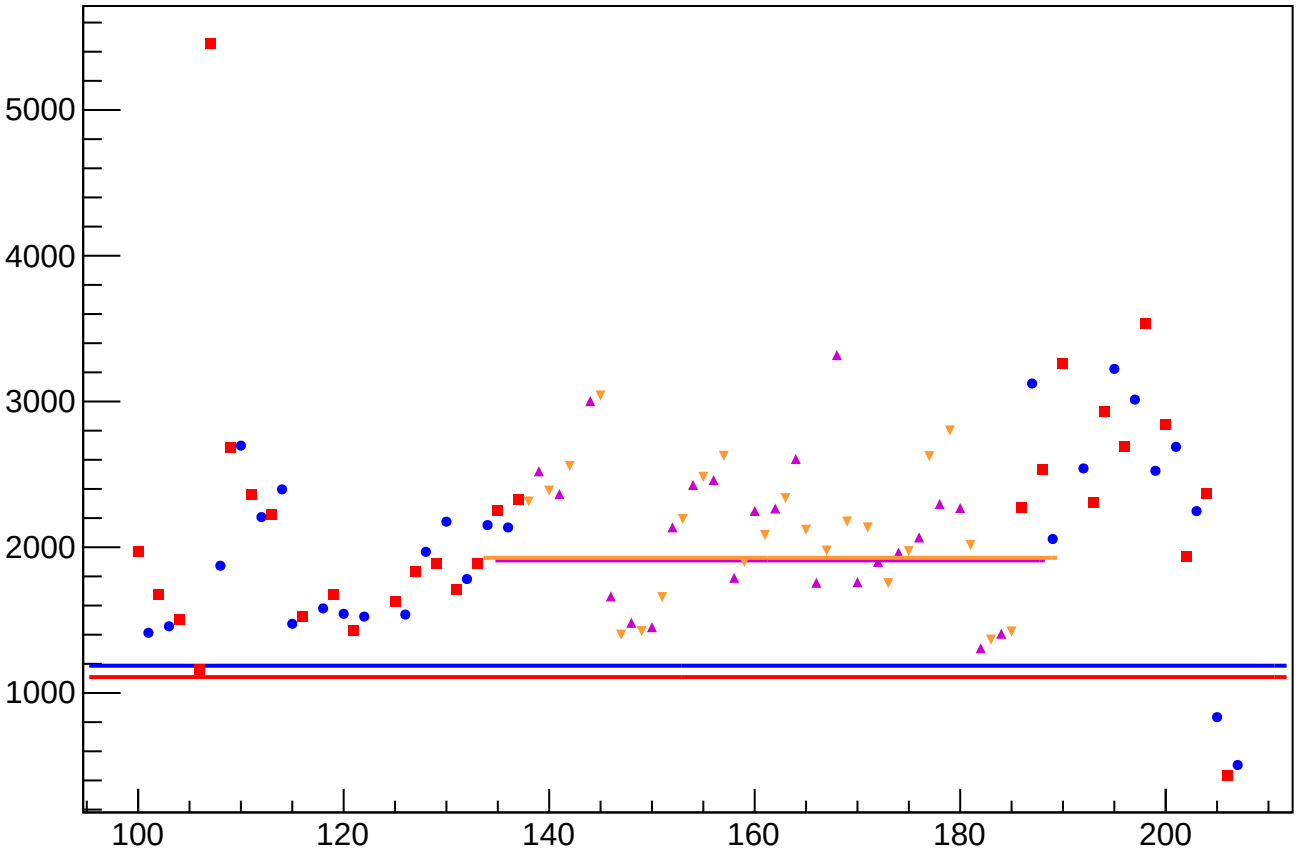
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -385.447+/-258.387 χ^2/NDF: 58.7/54

In: 86.359+/-289.567 χ^2/NDF:42.9/48

Out: -744.421+/-283.507 χ^2/NDF:56.0/52

All: -337.815+/-202.578 χ^2/NDF: 103.1/101



Right In: 1187.261+/-0.263 χ^2/NDF: 8491747.4/25

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

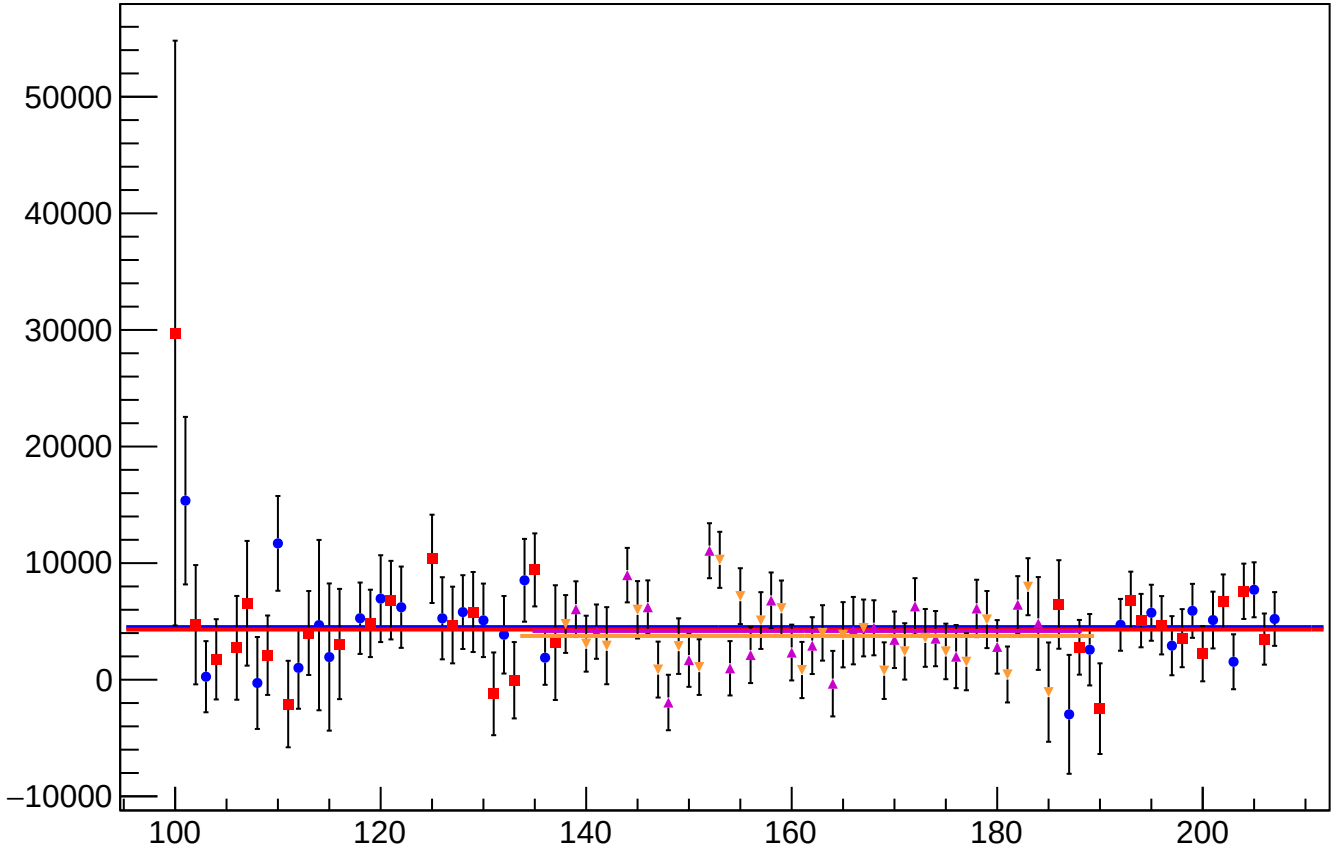
Right: 1146.691+/-0.183 χ^2/NDF: 20069148.7/54

In: 1472.672+/-0.205 χ^2/NDF:13408638.8/48

Out: 1416.767+/-0.200 χ^2/NDF:17242554.1/52

All: 1444.128+/-0.143 χ^2/NDF: 30689254.1/1

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4511.975+/-592.000 χ^2/NDF: 20.7/25

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

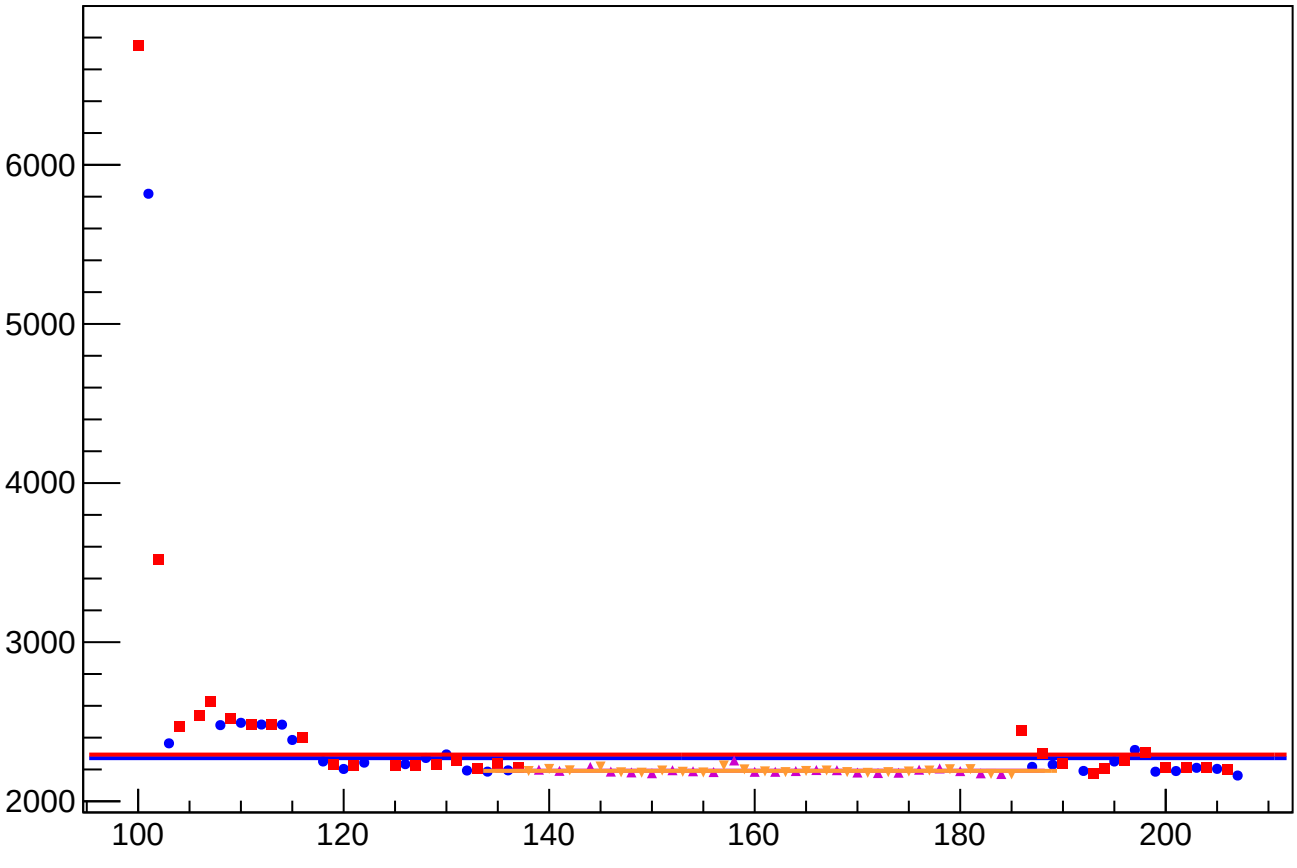
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4405.524+/-413.387 χ^2/NDF: 45.3/54

In: 4324.425+/-387.199 χ^2/NDF:53.6/48

Out: 3994.364+/-381.670 χ^2/NDF:50.6/52

All: 4157.021+/-271.815 χ^2/NDF: 104.6/101



Right In: 2271.037+/-0.419 χ^2/NDF: 532573.0/25

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

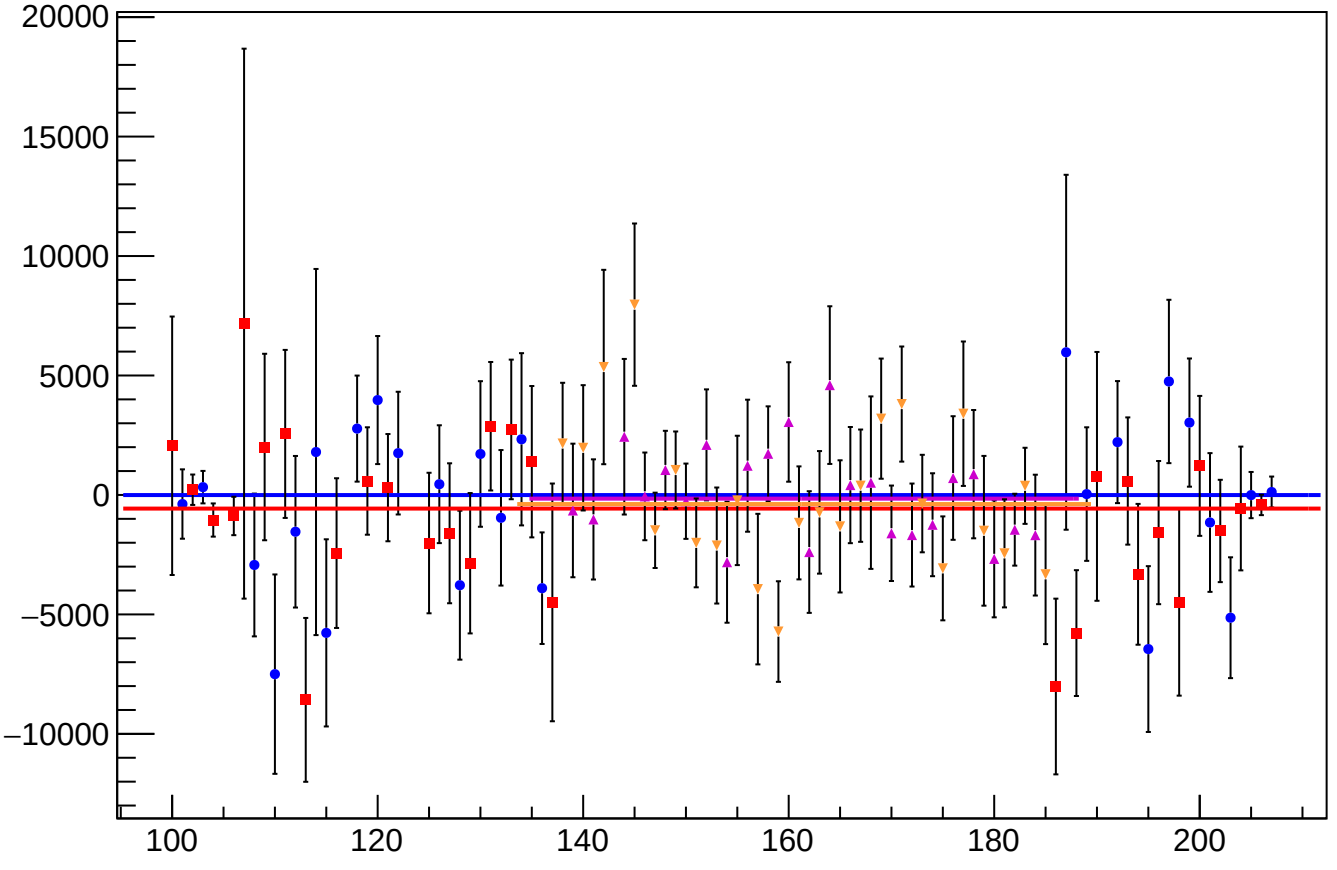
Right: 2282.570+/-0.292 χ^2/NDF: 781112.0/54

In: 2225.926+/-0.274 χ^2/NDF:555149.9/48

Out: 2235.873+/-0.270 χ^2/NDF:283701.7/52

All: 2230.971+/-0.192 χ^2/NDF: 839521.1/101

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -4.590+/-341.226 χ^2/NDF: 28.7/25

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

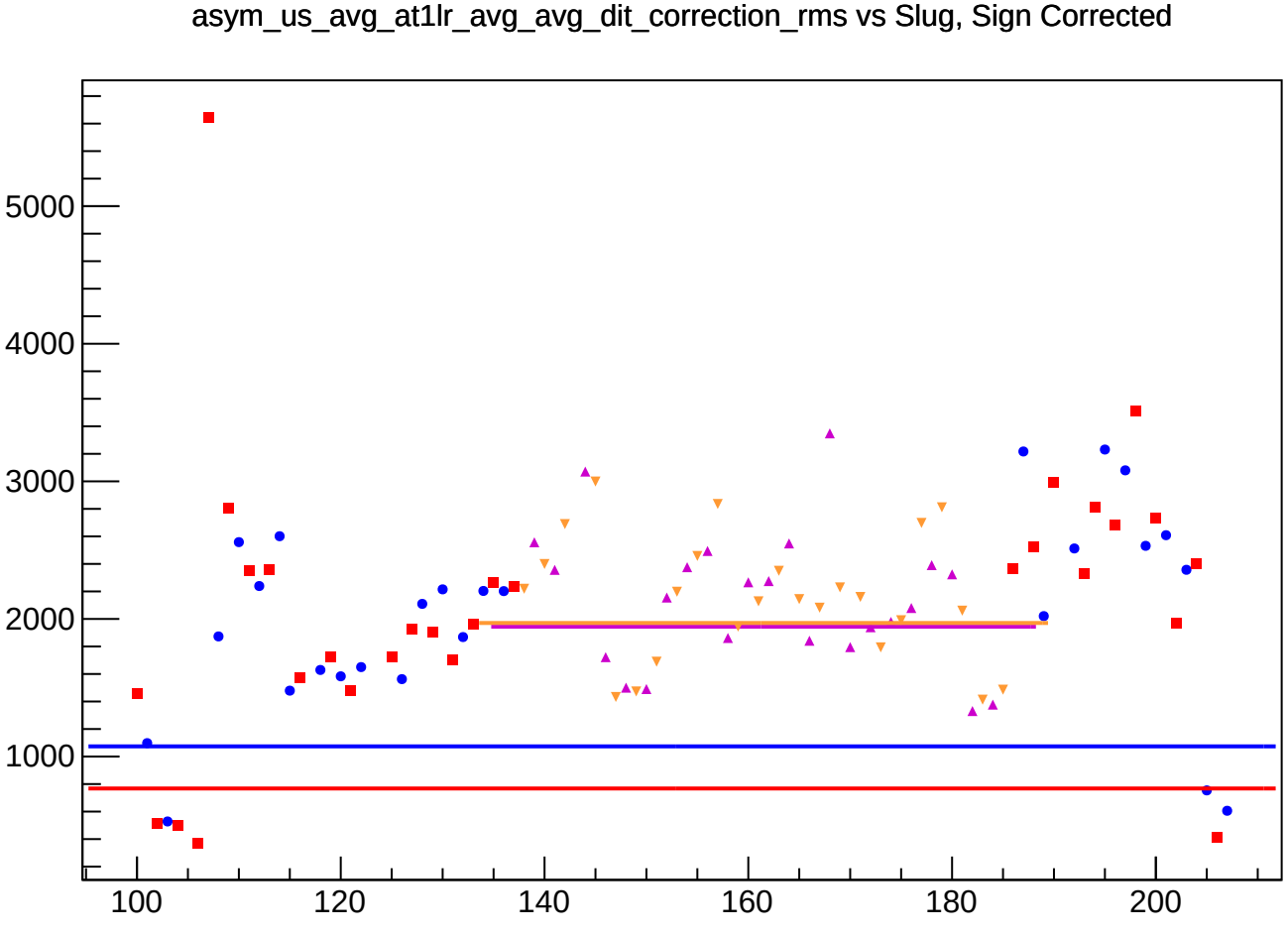
Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

Right: -357.800+/-209.249 χ^2/NDF: 56.6/54

In: -56.626+/-275.720 χ^2/NDF:41.6/48

Out: -525.040+/-230.946 χ^2/NDF:57.0/52

All: -331.906+/-177.045 χ^2/NDF: 100.3/101



Right In: 1073.931+/-0.241 χ^2/NDF: 9179253.8/25

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

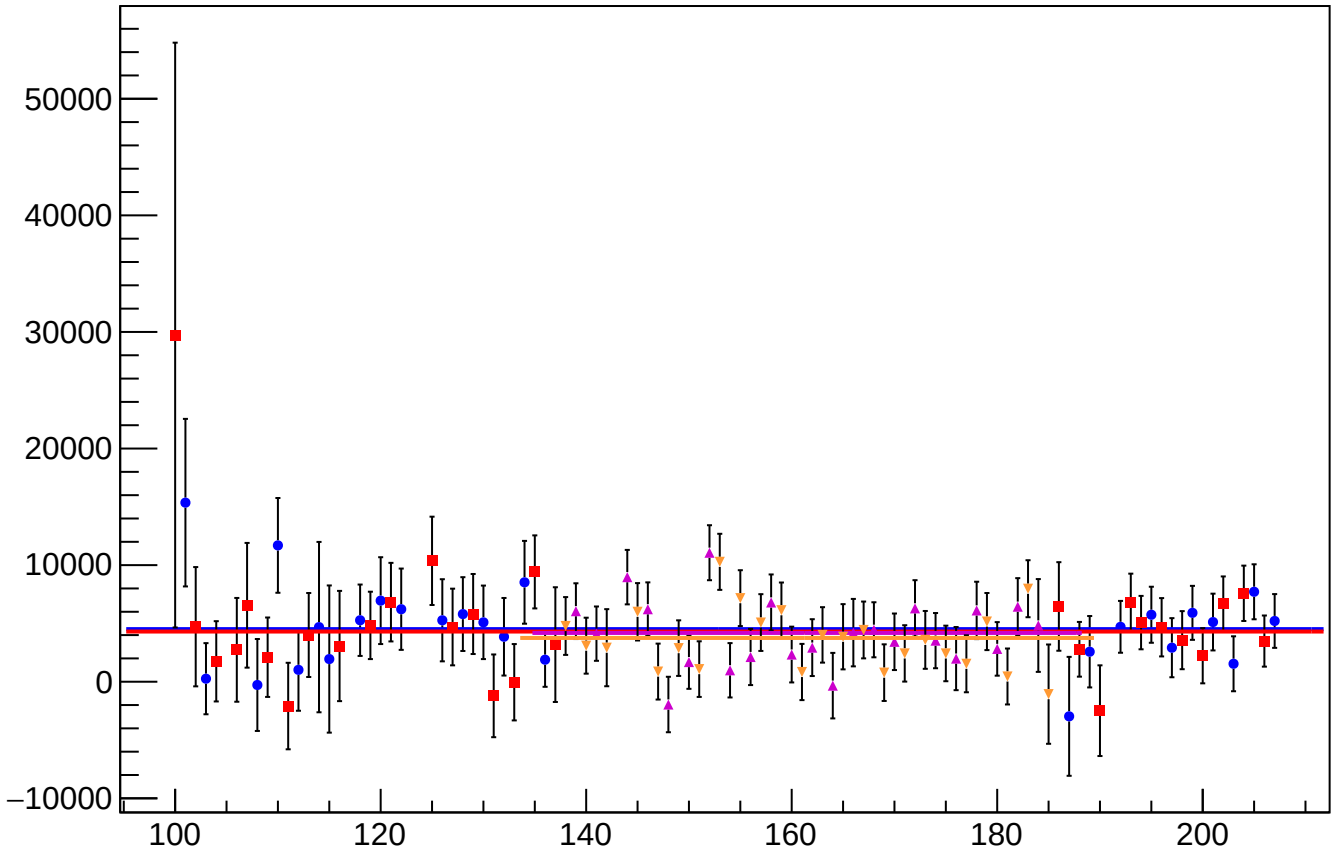
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 882.923+/-0.148 χ^2/NDF: 24576342.0/54

In: 1375.797+/-0.195 χ^2/NDF:15571668.2/48

Out: 1056.412+/-0.163 χ^2/NDF:25983441.4/52

All: 1188.099+/-0.125 χ^2/NDF: 43132233.3/1



Right In: 4511.973+/-592.000 χ^2/NDF: 20.7/25

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

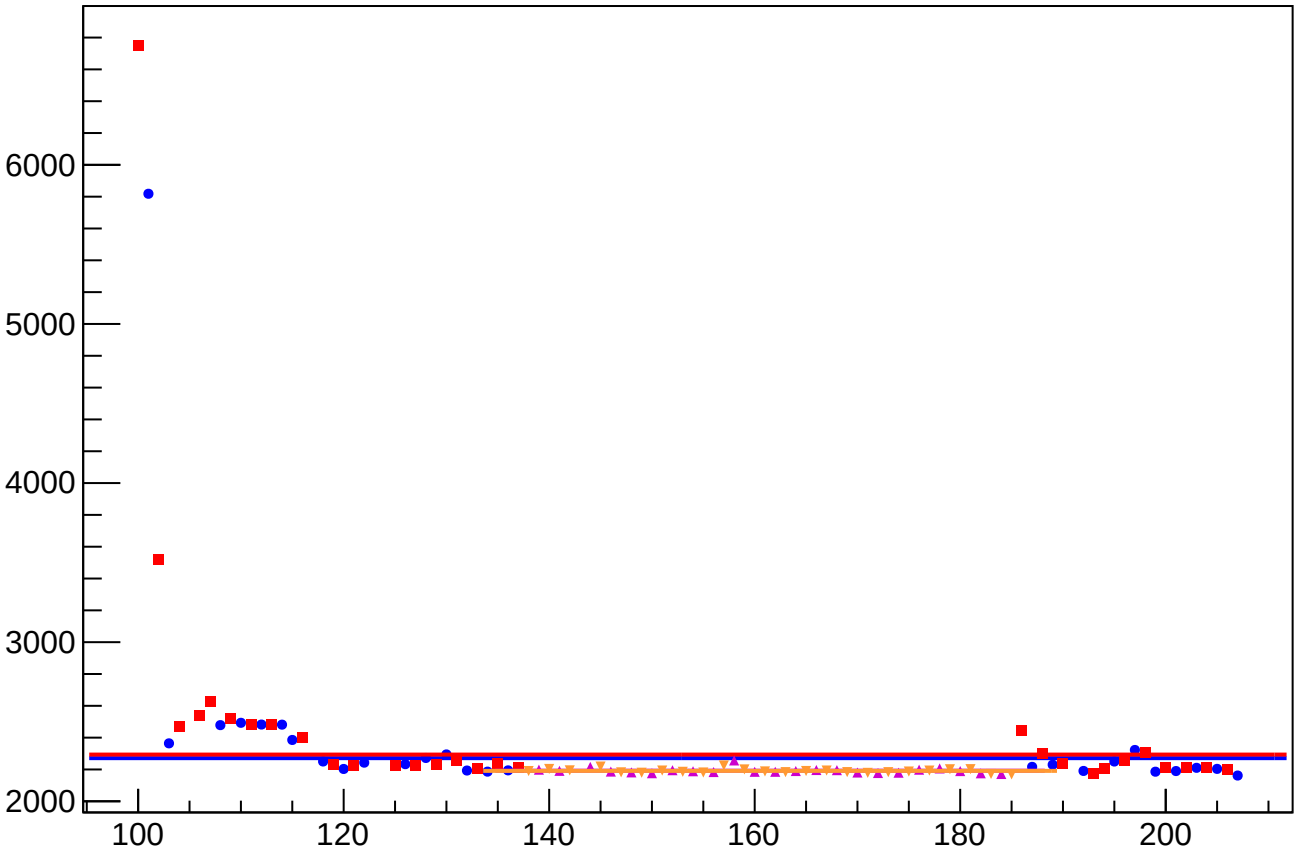
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4405.521+/-413.387 χ^2/NDF: 45.3/54

In: 4324.424+/-387.199 χ^2/NDF:53.6/48

Out: 3994.361+/-381.670 χ^2/NDF:50.6/52

All: 4157.019+/-271.815 χ^2/NDF: 104.6/101



Right In: 2271.036+/-0.419 χ^2/NDF: 532572.9/25

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

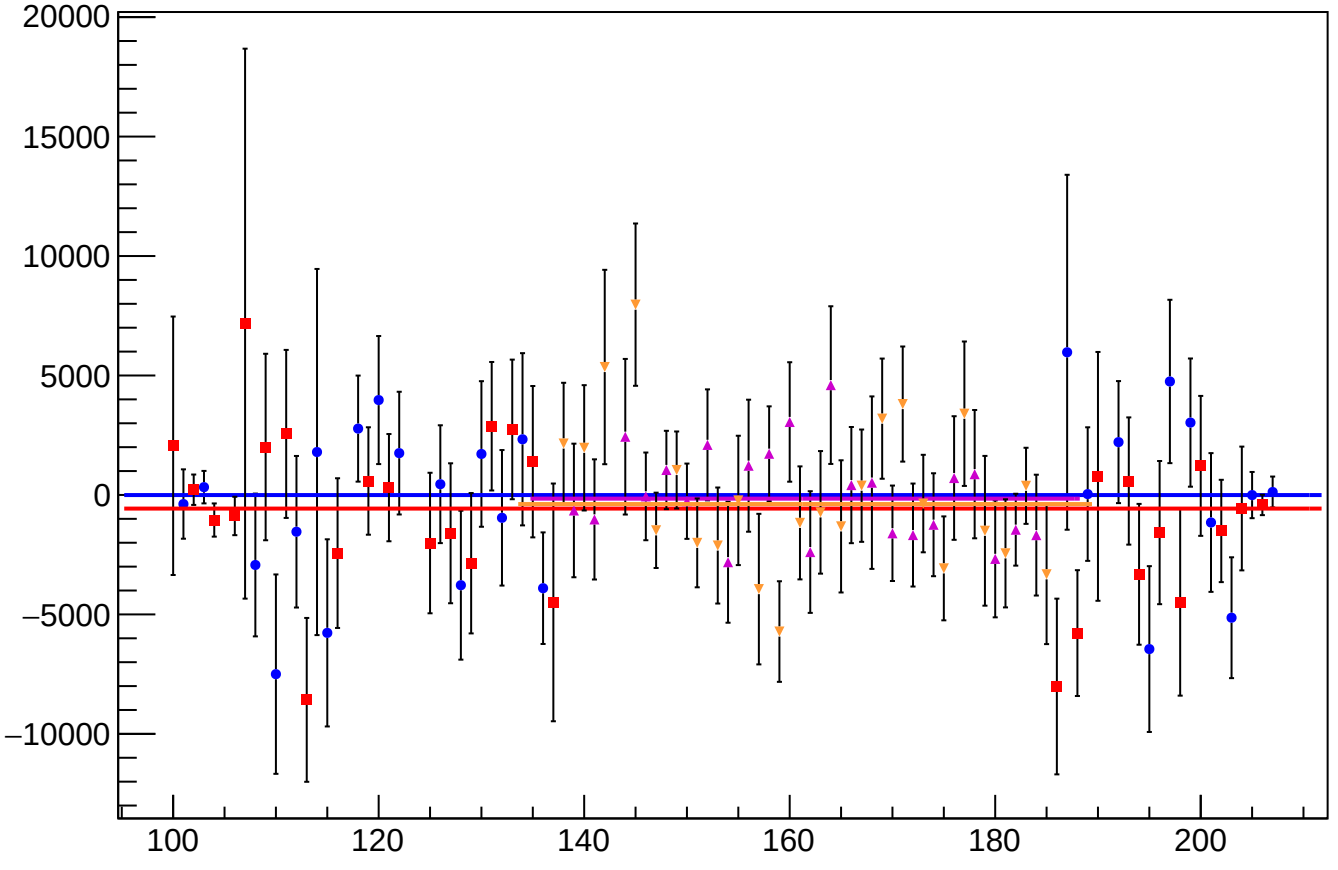
Right: 2282.570+/-0.292 χ^2/NDF: 781110.6/54

In: 2225.925+/-0.274 χ^2/NDF:555149.6/48

Out: 2235.873+/-0.270 χ^2/NDF:283700.3/52

All: 2230.971+/-0.192 χ^2/NDF: 839519.4/101

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -4.590+/-341.228 χ^2/NDF: 28.7/25

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

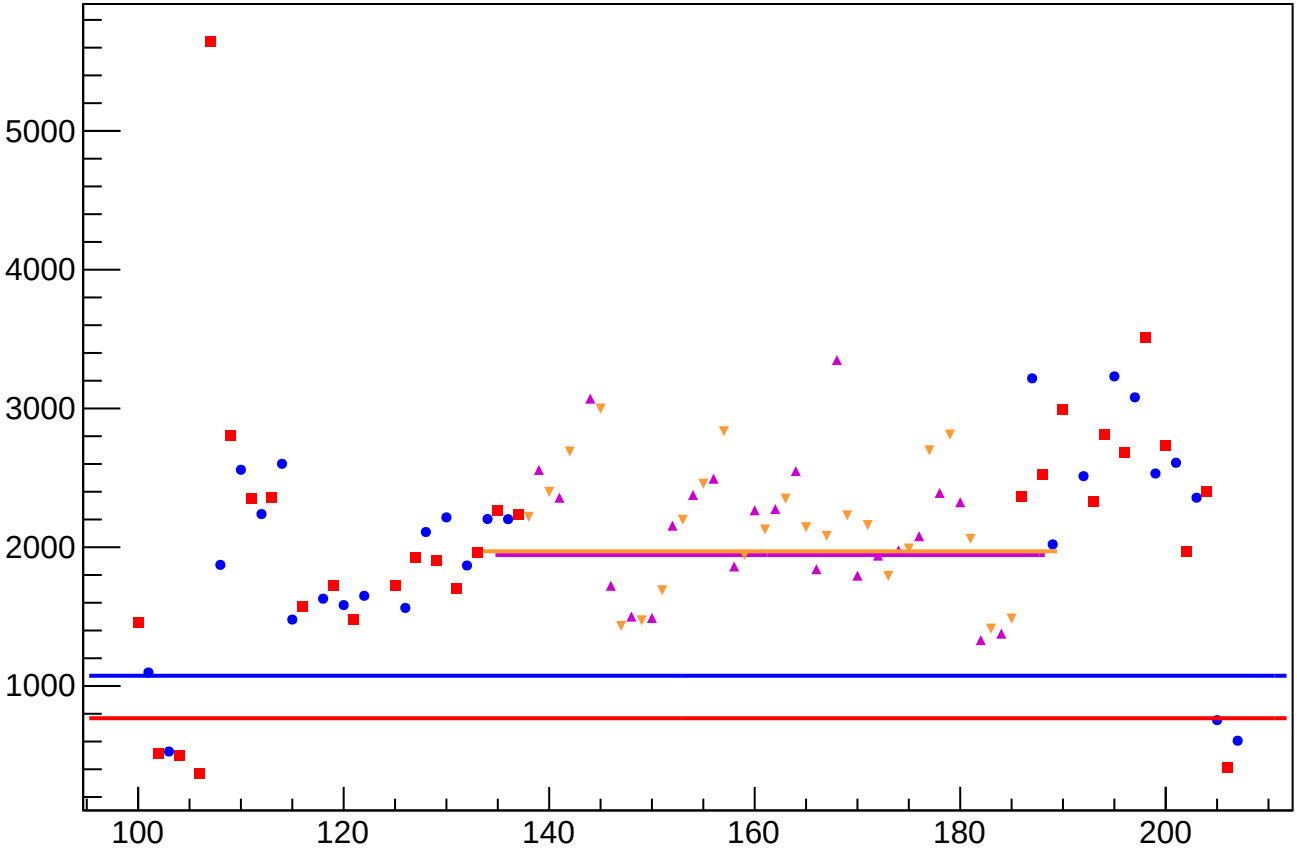
Right: -357.799+/-209.249 χ^2/NDF: 56.6/54

In: -56.627+/-275.721 χ^2/NDF:41.6/48

Out: -525.039+/-230.947 χ^2/NDF:57.0/52

All: -331.906+/-177.045 χ^2/NDF: 100.3/101

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1073.939+/-0.241 χ^2/NDF: 9179163.3/25

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

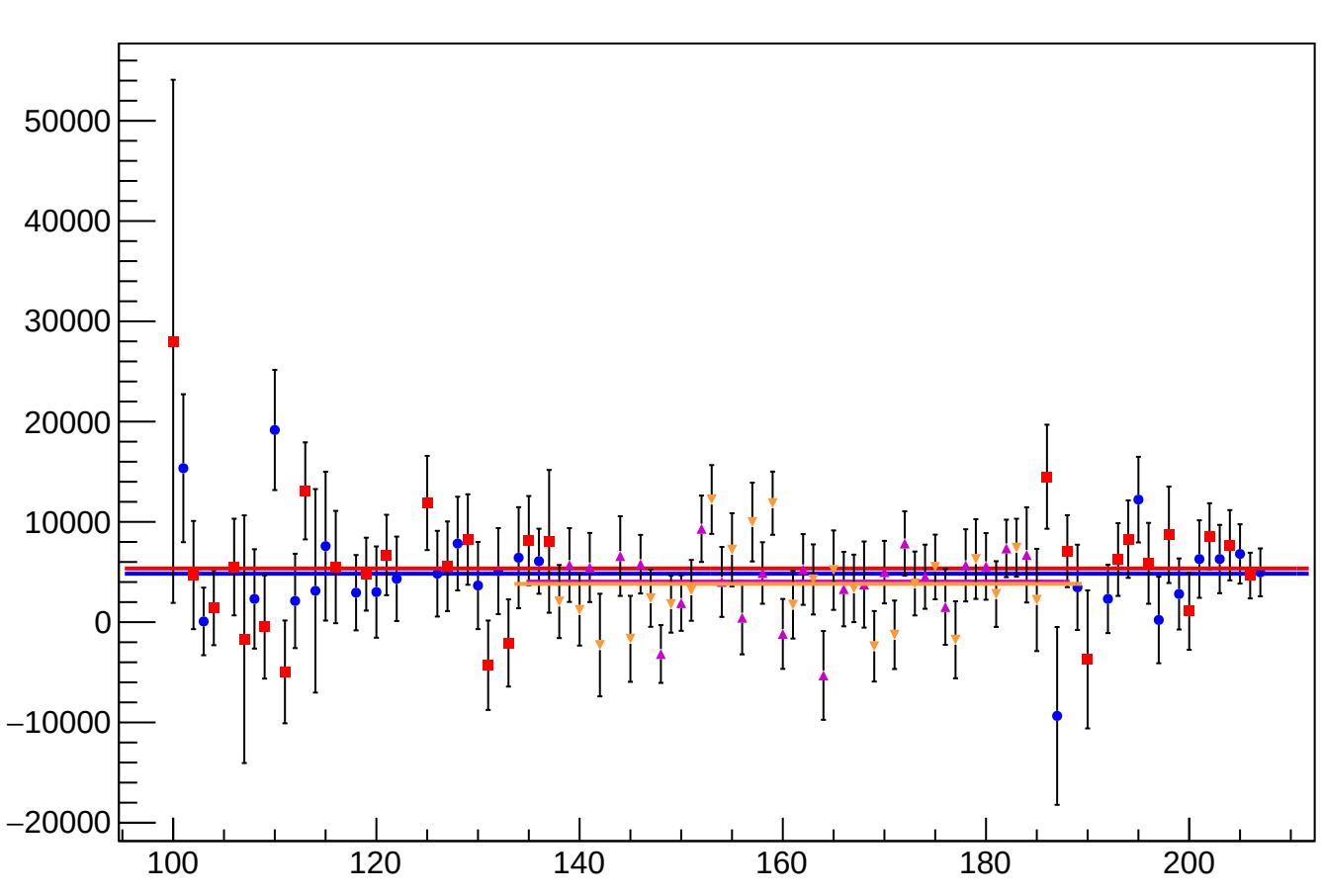
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 882.928+/-0.148 χ^2/NDF: 24576197.0/54

In: 1375.804+/-0.195 χ^2/NDF:15571511.0/48

Out: 1056.418+/-0.163 χ^2/NDF:25983312.8/52

All: 1188.106+/-0.125 χ^2/NDF: 43131953.9/1



Right In: 4830.916+/-802.924 χ^2/NDF: 20.1/25

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

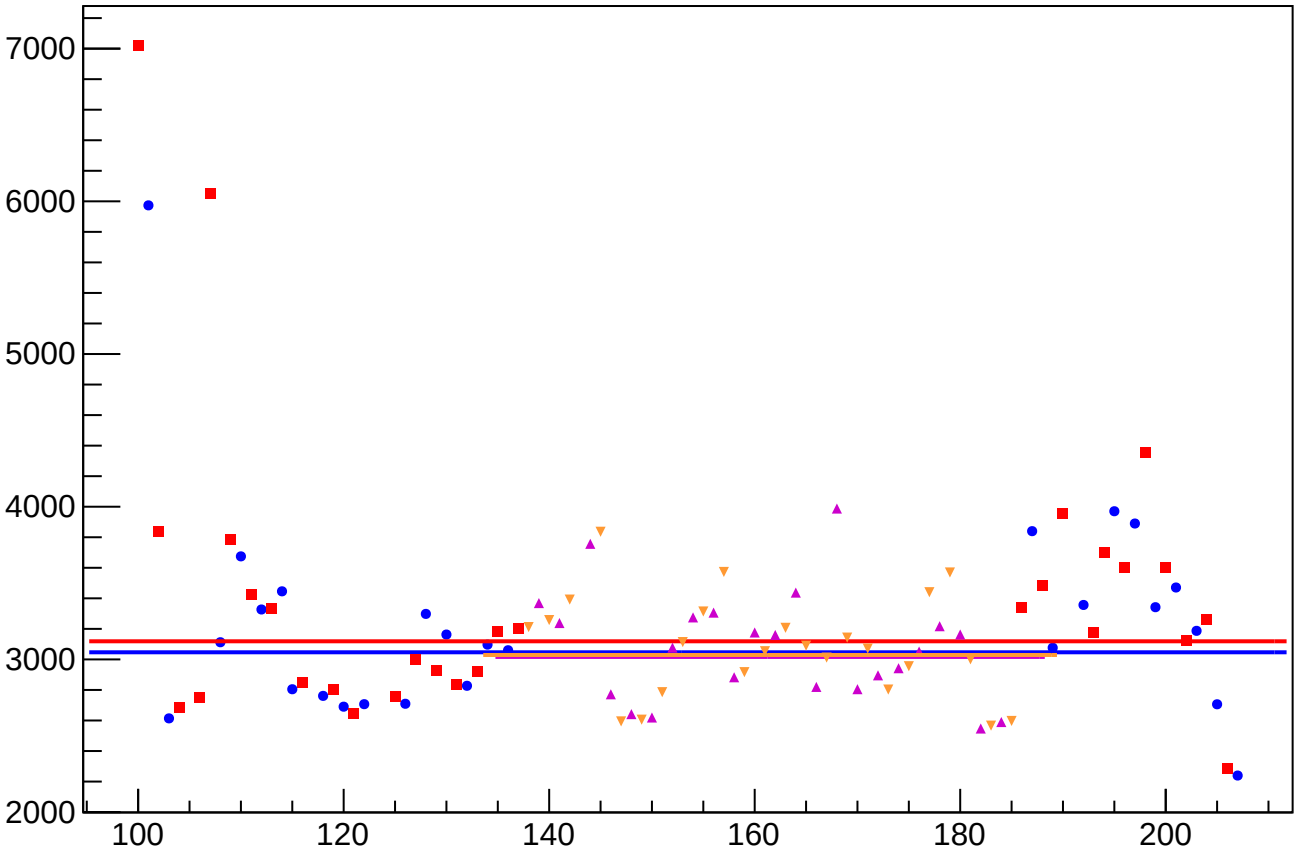
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 5094.012+/-565.193 χ^2/NDF: 49.9/54

In: 4388.188+/-531.700 χ^2/NDF:43.1/48

Out: 4496.231+/-529.071 χ^2/NDF:62.6/52

All: 4442.477+/-375.035 χ^2/NDF: 105.7/101



Right In: 3046.620+/-0.568 χ^2/NDF: 943414.5/25

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

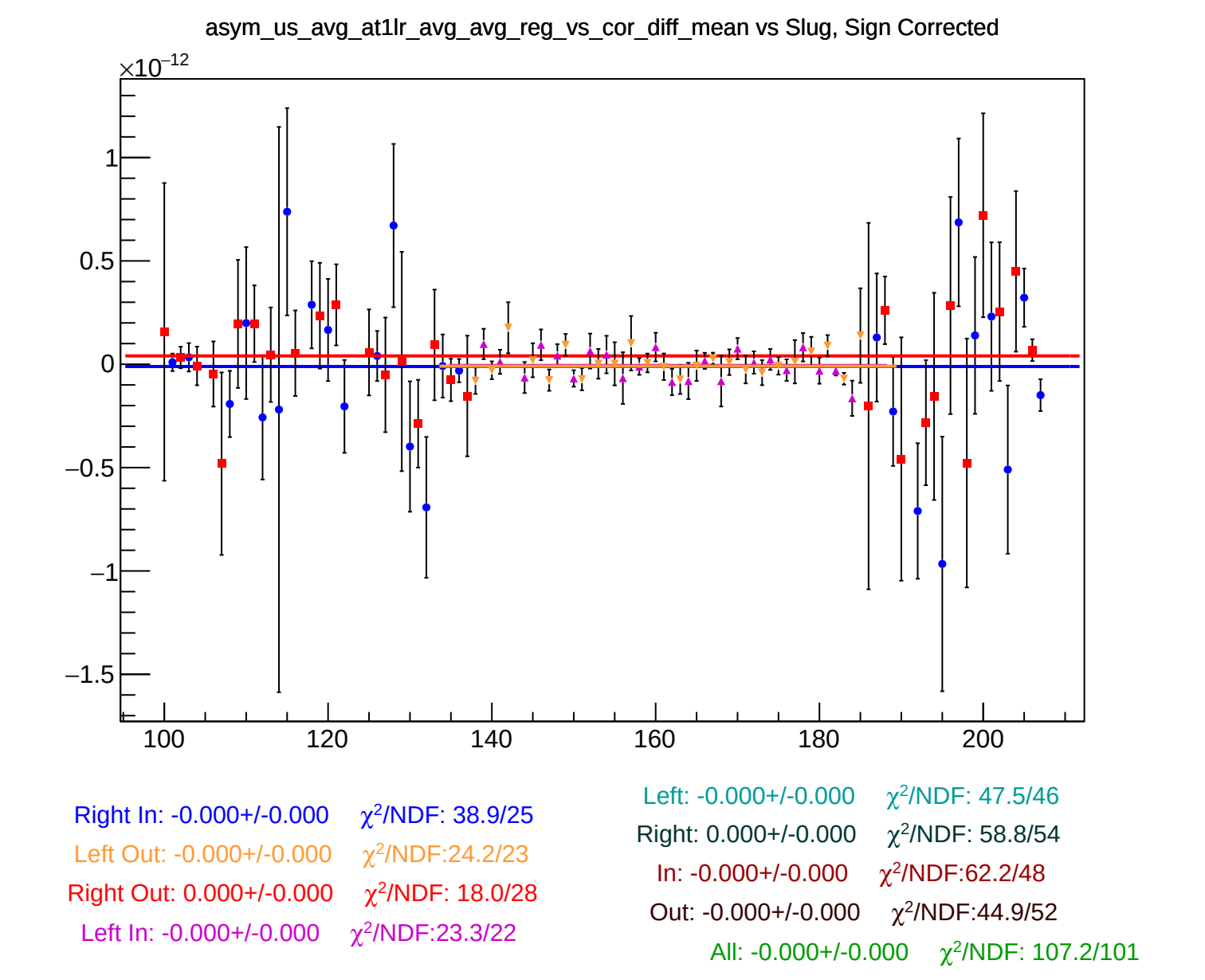
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3082.957+/-0.400 χ^2/NDF: 1865726.6/54

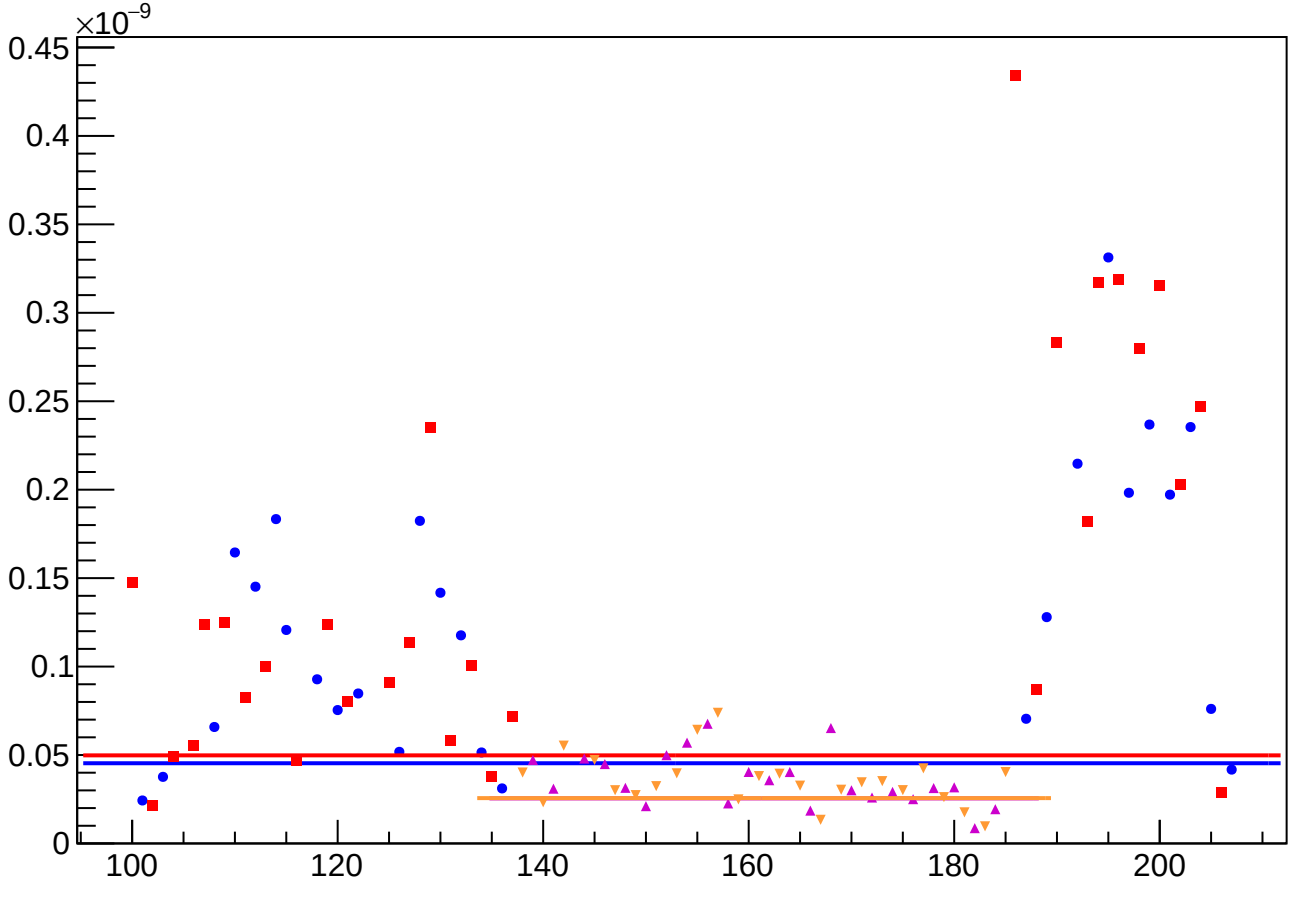
In: 3029.569+/-0.376 χ^2/NDF:1384918.7/48

Out: 3068.620+/-0.374 χ^2/NDF:1325471.6/52

All: 3049.191+/-0.265 χ^2/NDF: 2715811.5/10


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: 38.9/25
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: 58.8/54
In: -0.000+/-0.000 χ²/NDF:62.2/48
Out: -0.000+/-0.000 χ²/NDF:44.9/52
All: -0.000+/-0.000 χ²/NDF: 107.2/101

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4760865.4/25

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

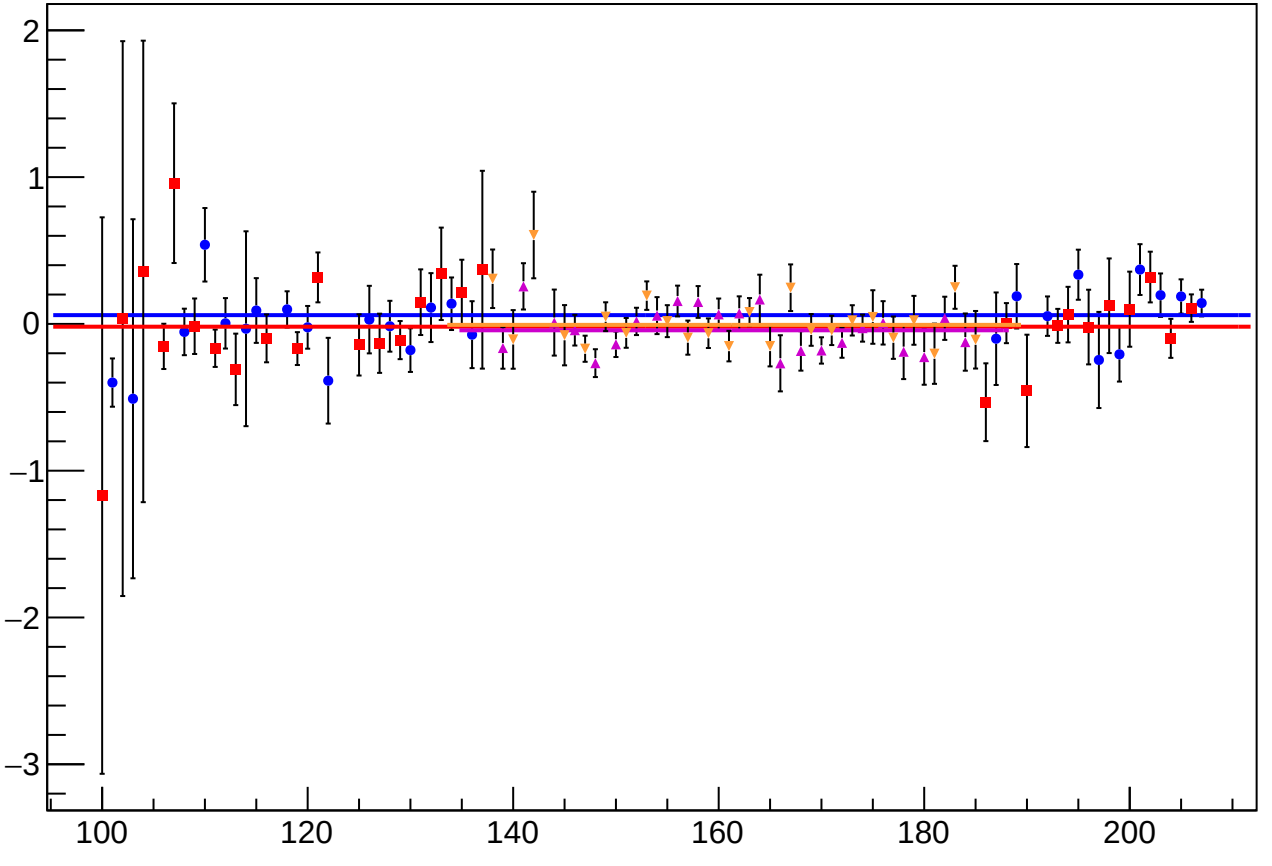
Right: 0.000+/-0.000 χ^2/NDF: 10905644.5/54

In: 0.000+/-0.000 χ^2/NDF:8639435.5/48

Out: 0.000+/-0.000 χ^2/NDF:9848689.6/52

All: 0.000+/-0.000 χ^2/NDF: 18488286.8/101

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.034 χ^2/NDF: 30.7/25

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

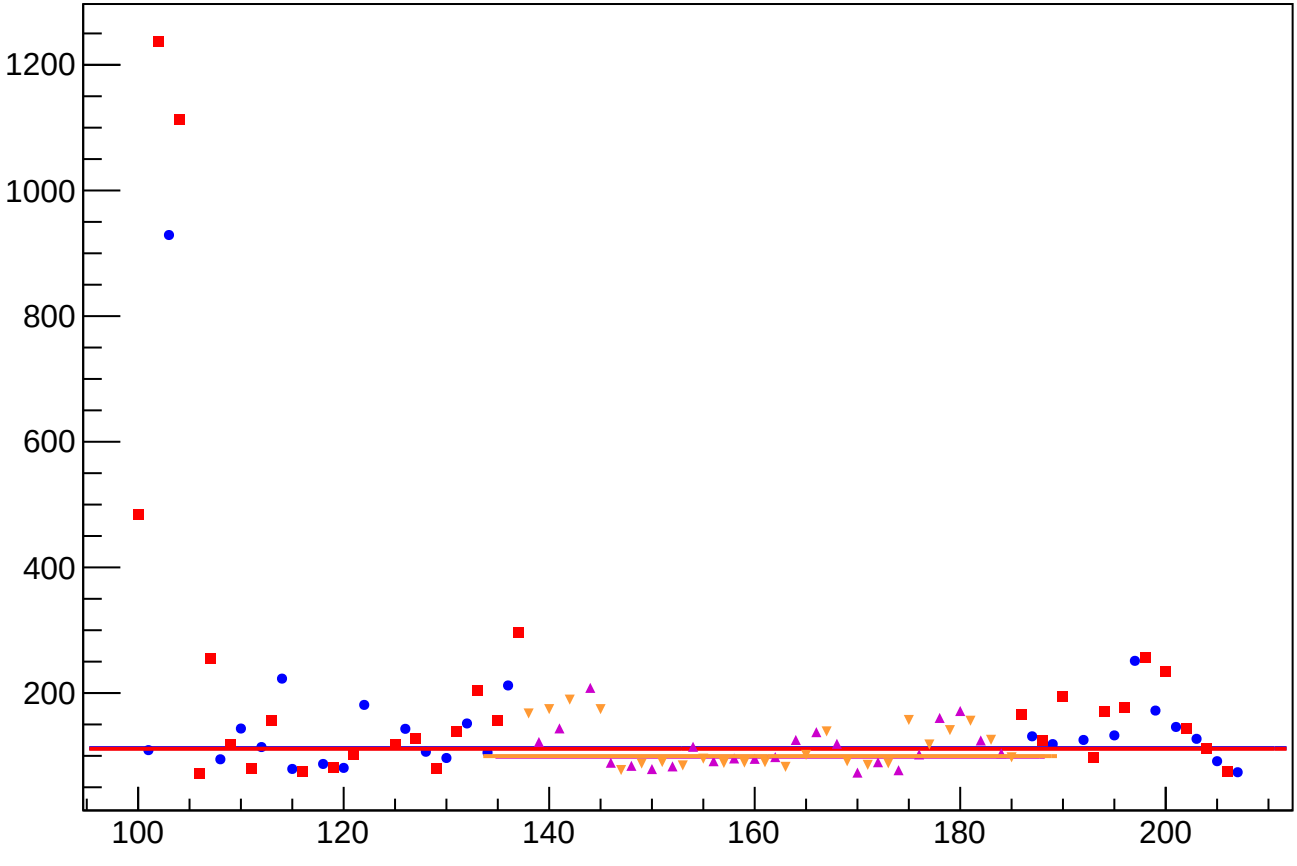
Right: 0.020+/-0.024 χ^2/NDF: 62.7/54

In: -0.007+/-0.020 χ^2/NDF:67.0/48

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.009+/-0.014 χ^2/NDF: 124.1/101

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.325+/-0.024 χ^2/NDF: 2978851.8/25

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

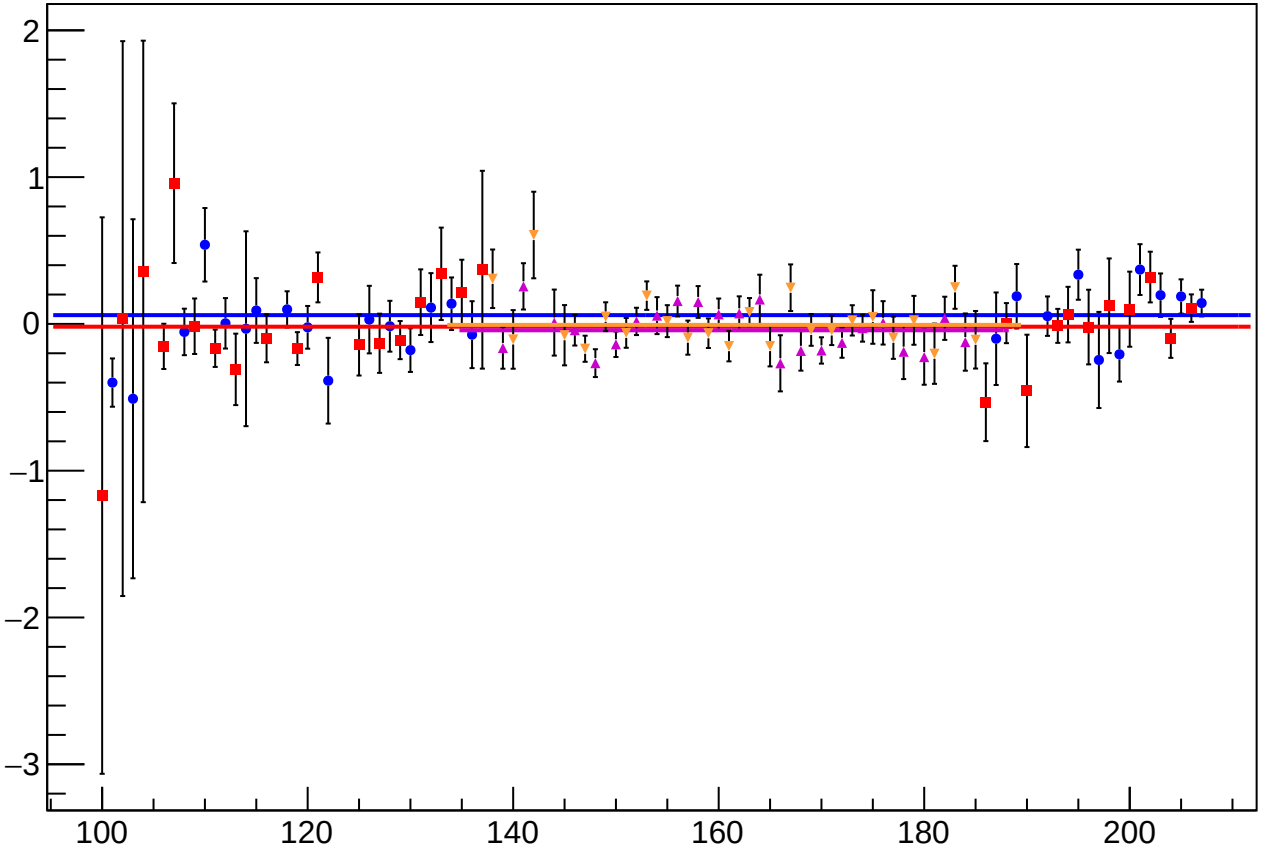
Right: 111.794+/-0.017 χ^2/NDF: 7657433.7/54

In: 103.506+/-0.014 χ^2/NDF:5192557.5/48

Out: 103.823+/-0.014 χ^2/NDF:6902853.5/52

All: 103.664+/-0.010 χ^2/NDF: 12095657.8/10

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.034 χ^2/NDF: 30.7/25

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

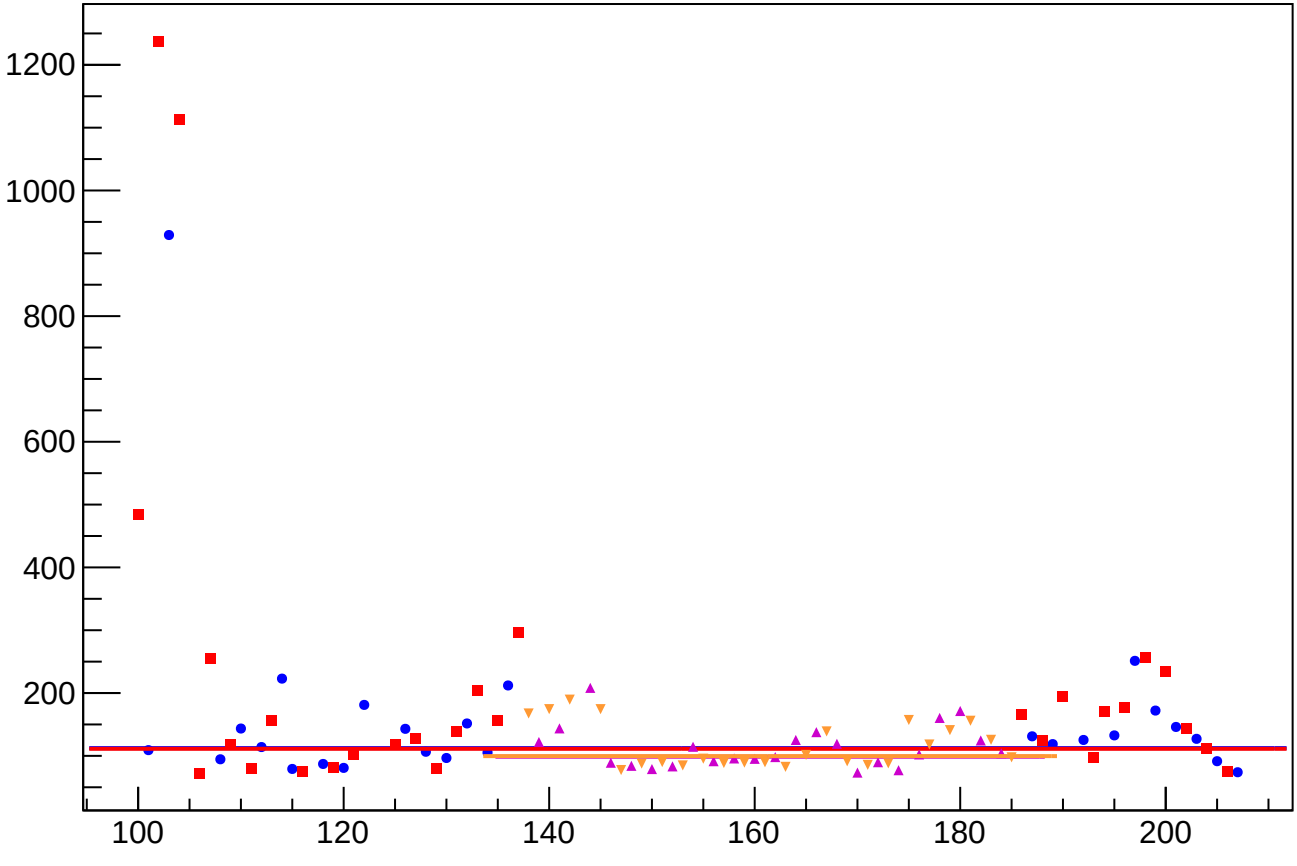
Right: 0.020+/-0.024 χ^2/NDF: 62.7/54

In: -0.007+/-0.020 χ^2/NDF:67.0/48

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.009+/-0.014 χ^2/NDF: 124.1/101

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.325+/-0.024 χ^2/NDF: 2978851.8/25

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

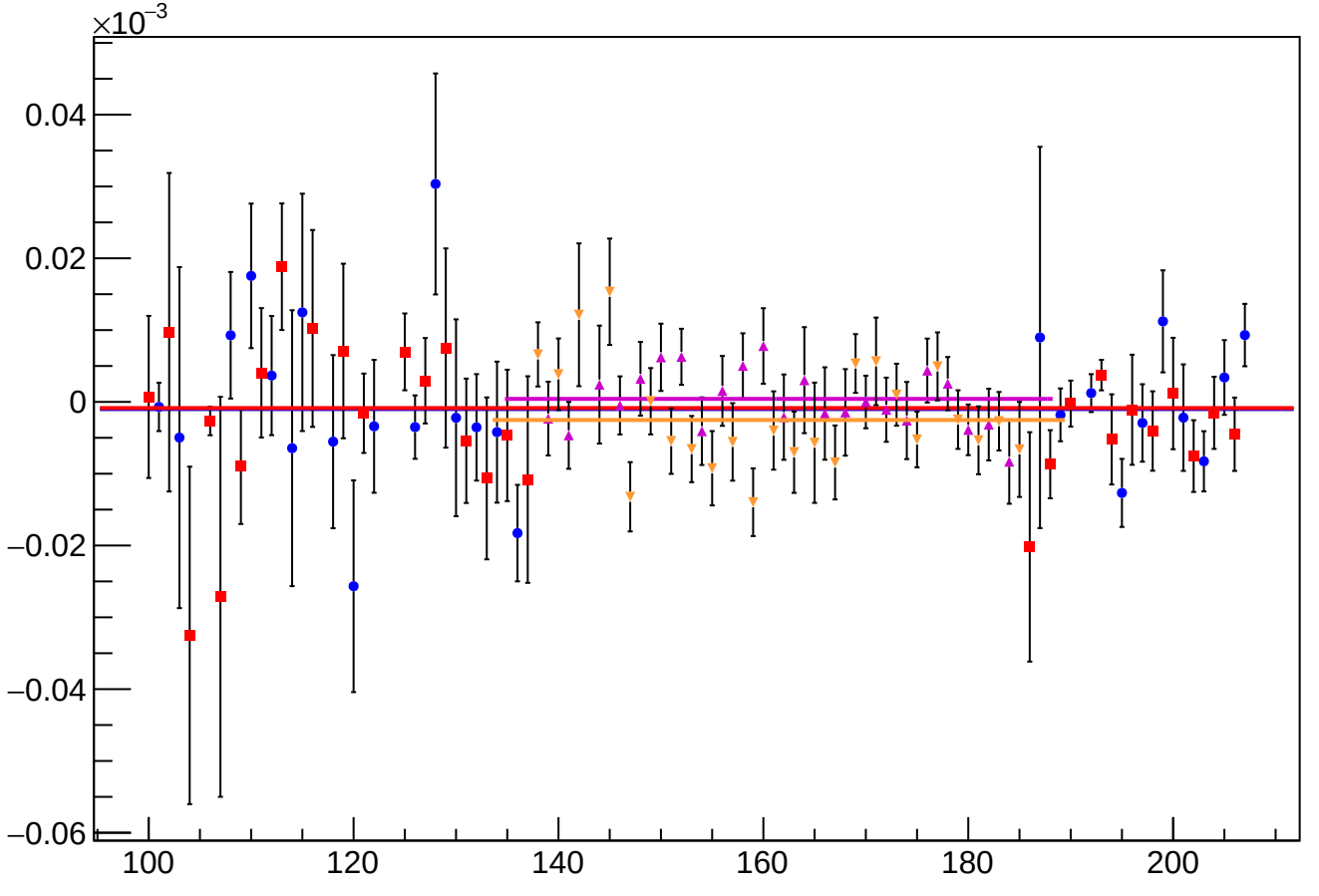
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 111.794+/-0.017 χ^2/NDF: 7657433.7/54

In: 103.506+/-0.014 χ^2/NDF:5192557.5/48

Out: 103.823+/-0.014 χ^2/NDF:6902853.5/52

All: 103.664+/-0.010 χ^2/NDF: 12095657.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 39.6/25

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

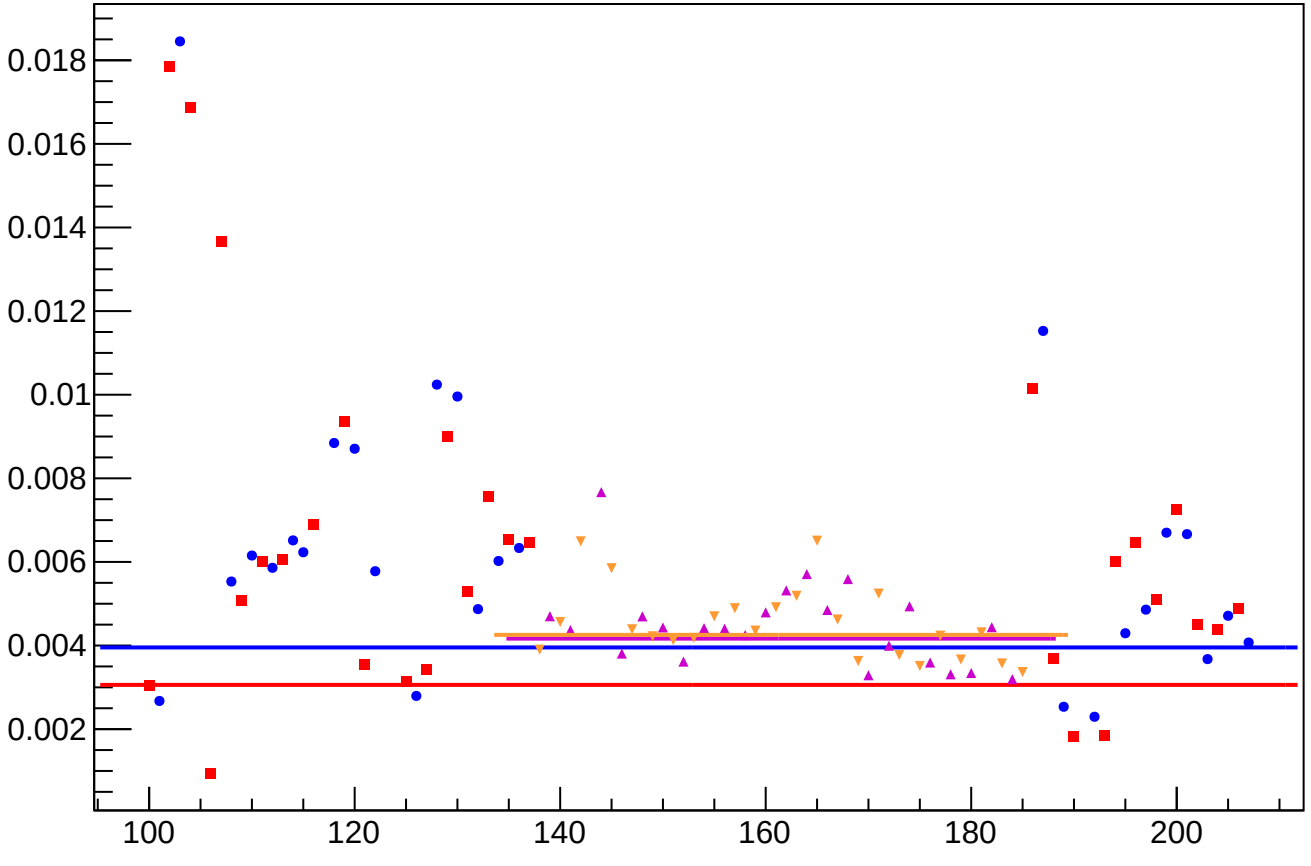
Right: -0.000+/-0.000 χ^2/NDF: 67.5/54

In: -0.000+/-0.000 χ^2/NDF:56.4/48

Out: -0.000+/-0.000 χ^2/NDF:69.4/52

All: -0.000+/-0.000 χ^2/NDF: 127.9/101

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: 5149709.8/25

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

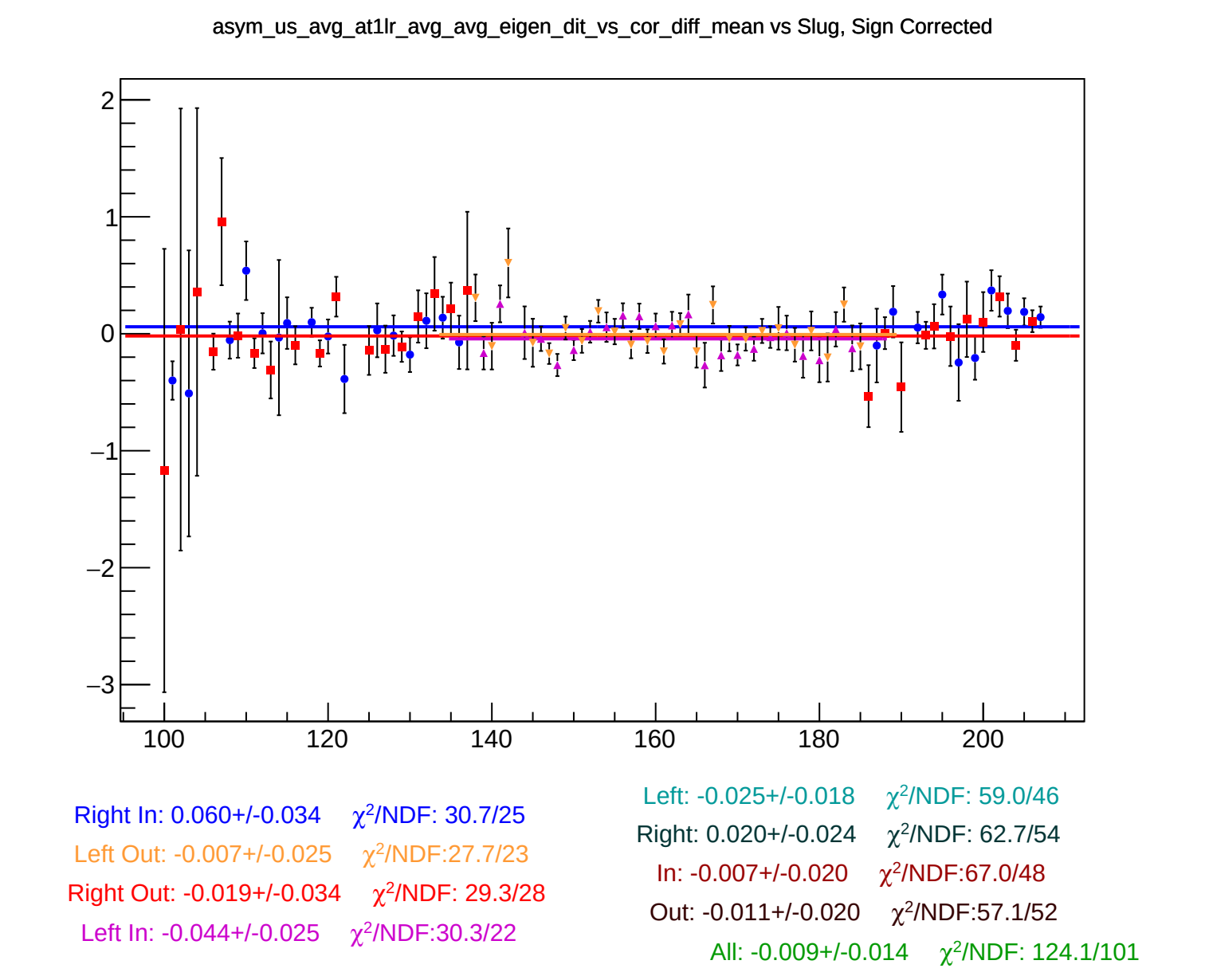
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.003+/-0.000 χ^2/NDF: 16140209.8/54

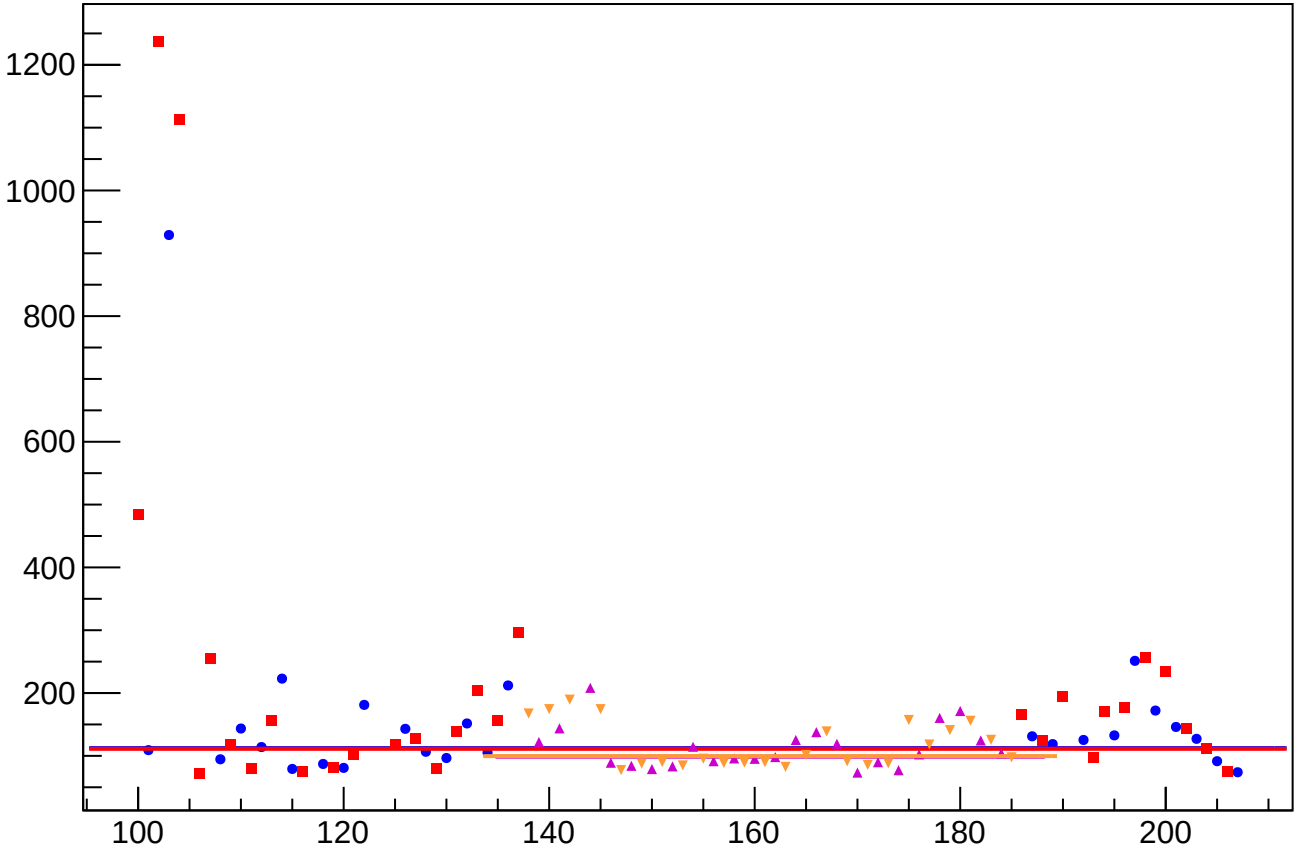
In: 0.004+/-0.000 χ^2/NDF:6465556.9/48

Out: 0.004+/-0.000 χ^2/NDF:12564019.0/52

All: 0.004+/-0.000 χ^2/NDF: 19387644.4/101


asym_us_avg_at1lr_avg_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: 0.060+/-0.034 χ²/NDF: 30.7/25
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: 0.020+/-0.024 χ²/NDF: 62.7/54
In: -0.007+/-0.020 χ²/NDF:67.0/48
Out: -0.011+/-0.020 χ²/NDF:57.1/52
All: -0.009+/-0.014 χ²/NDF: 124.1/101

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.323+/-0.024 χ^2/NDF: 2978952.5/25

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

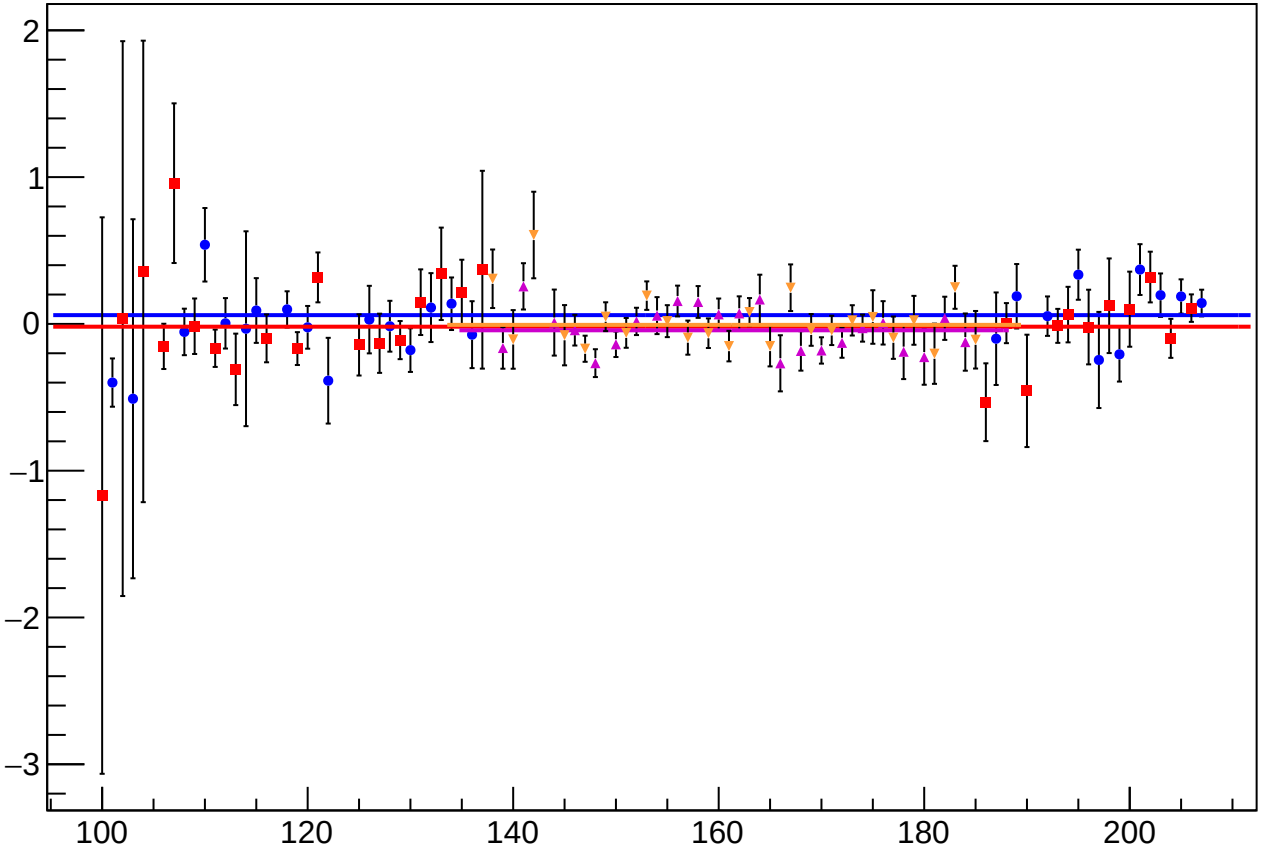
Right: 111.793+/-0.017 χ^2/NDF: 7657507.7/54

In: 103.506+/-0.014 χ^2/NDF:5192559.1/48

Out: 103.823+/-0.014 χ^2/NDF:6902767.7/52

All: 103.664+/-0.010 χ^2/NDF: 12095574.7/10

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.060+/-0.034 χ^2/NDF: 30.7/25

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

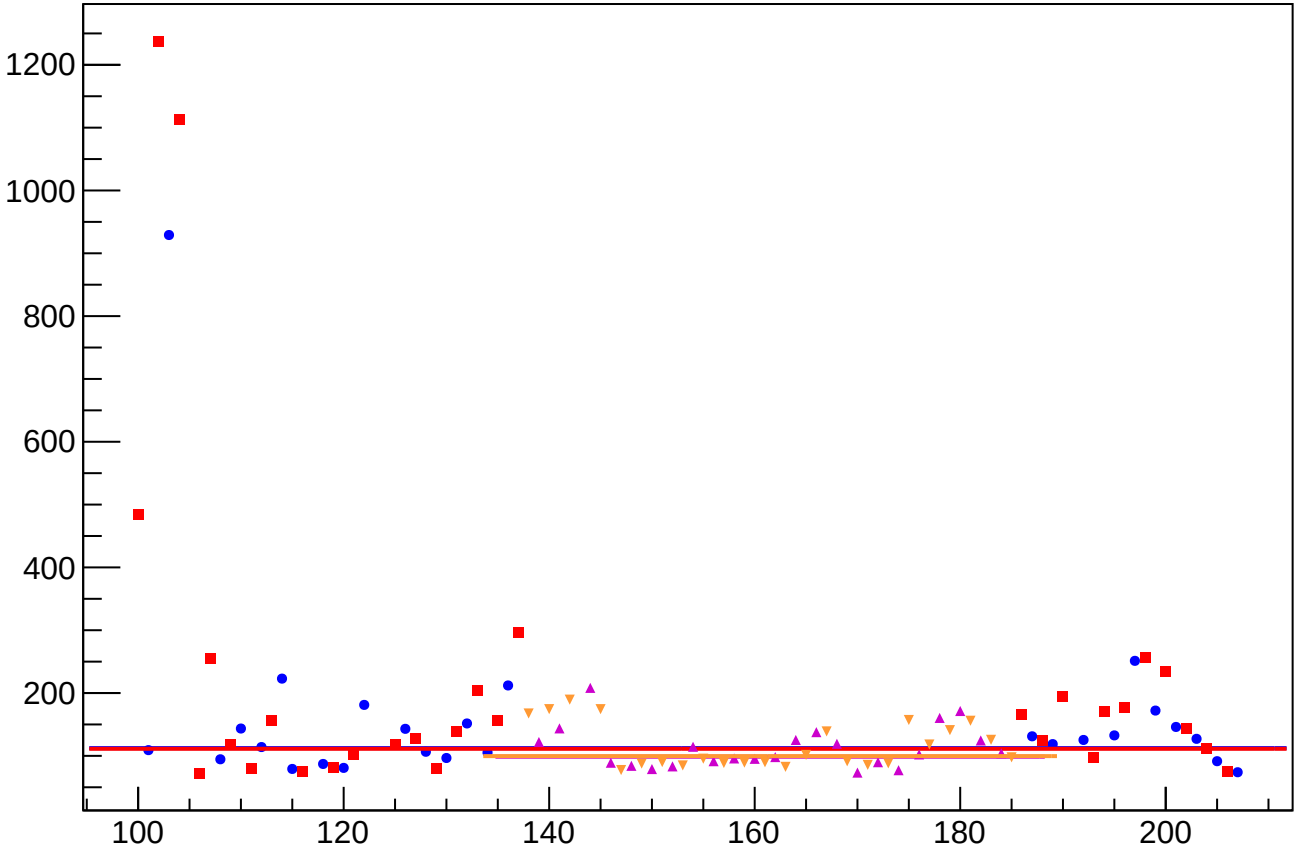
Right: 0.020+/-0.024 χ^2/NDF: 62.7/54

In: -0.007+/-0.020 χ^2/NDF:67.0/48

Out: -0.011+/-0.020 χ^2/NDF:57.1/52

All: -0.009+/-0.014 χ^2/NDF: 124.1/101

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 112.323+/-0.024 χ^2/NDF: 2978952.5/25

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

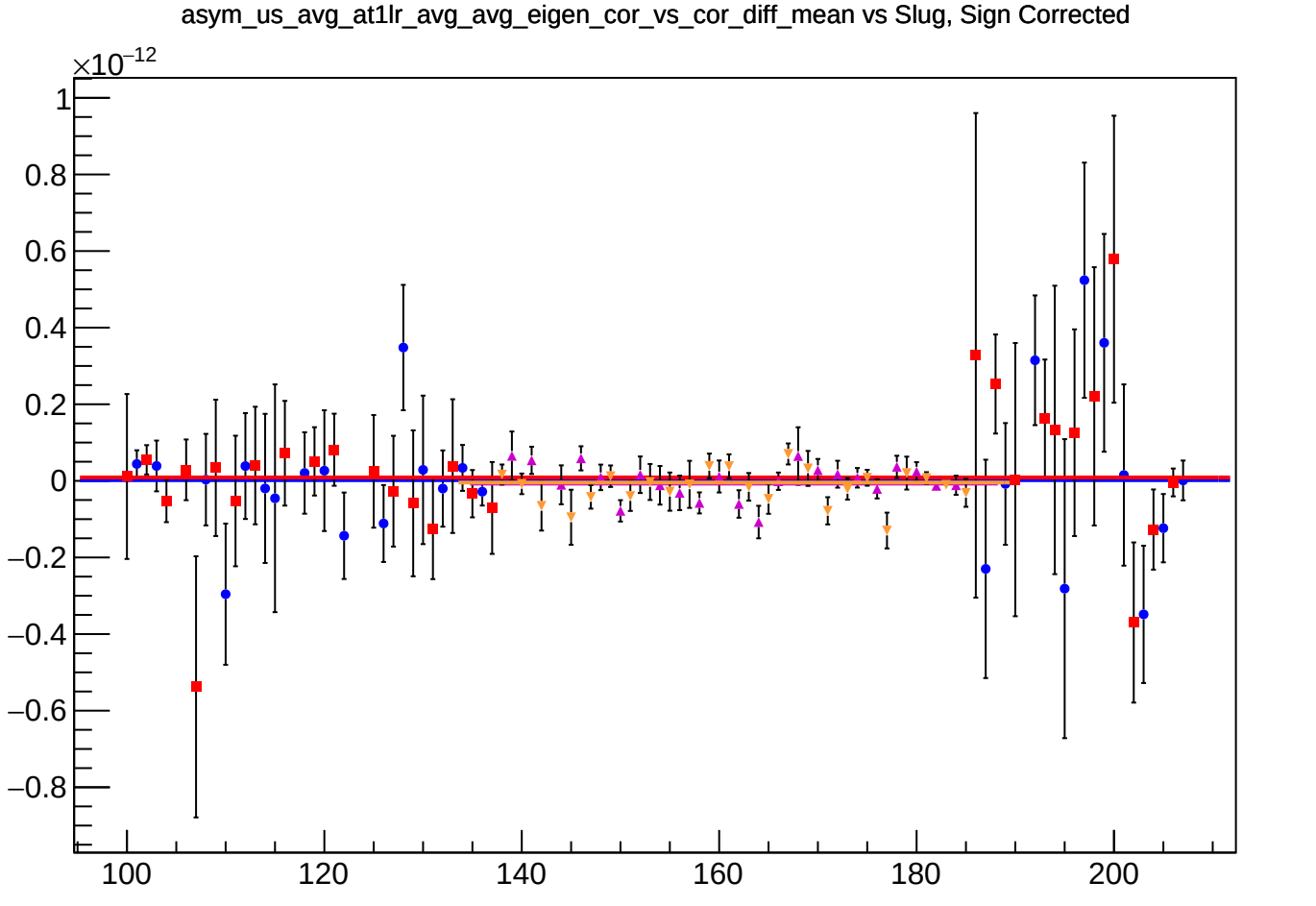
Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

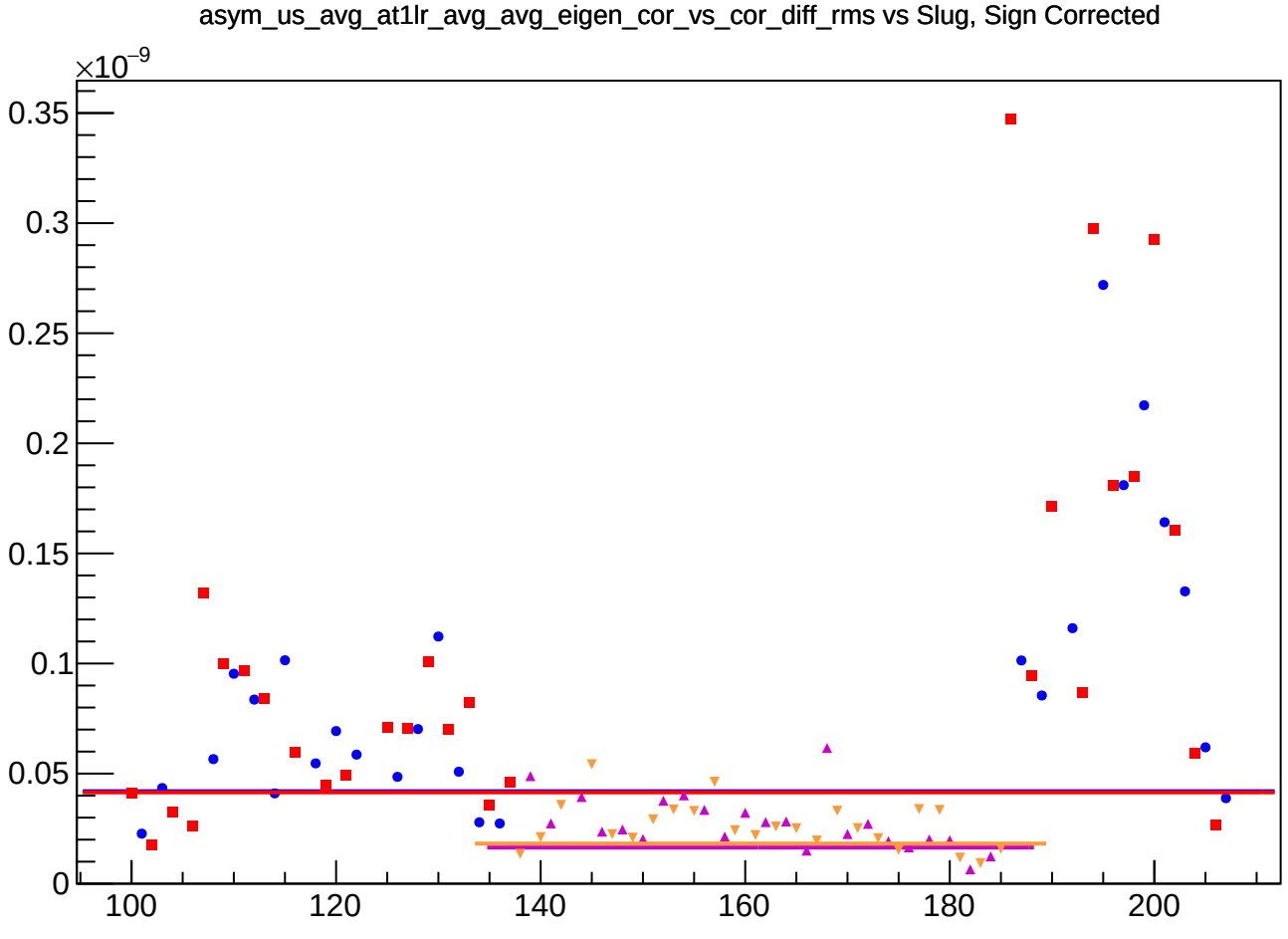
Right: 111.793+/-0.017 χ^2/NDF: 7657507.7/54

In: 103.506+/-0.014 χ^2/NDF:5192559.1/48

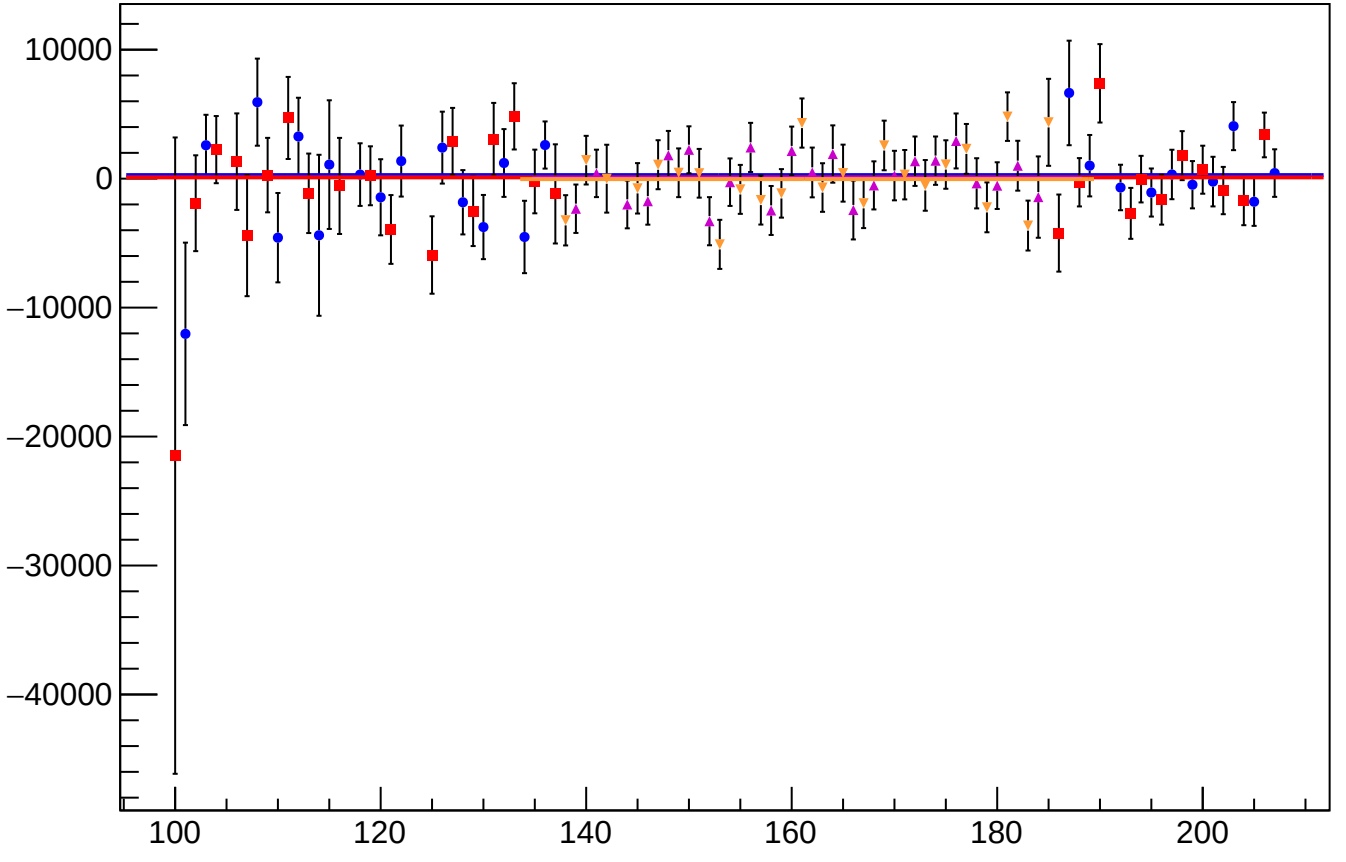
Out: 103.823+/-0.014 χ^2/NDF:6902767.7/52

All: 103.664+/-0.010 χ^2/NDF: 12095574.7/10


asym_us_avg_at1lr_avg_avg_eigen_cor_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: 27.8/25
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 21.6/28
Left In: -0.000+/-0.000 χ²/NDF:35.2/22
Left: -0.000+/-0.000 χ²/NDF: 68.3/46
Right: 0.000+/-0.000 χ²/NDF: 49.5/54
In: -0.000+/-0.000 χ²/NDF:63.3/48
Out: -0.000+/-0.000 χ²/NDF:55.1/52
All: -0.000+/-0.000 χ²/NDF: 118.5/101


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5595754.8/25
Left Out: 0.000+/-0.000 χ²/NDF:4306302.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 7243262.1/28
Left In: 0.000+/-0.000 χ²/NDF:7007463.5/22
Left: 0.000+/-0.000 χ²/NDF: 11414627.4/46
Right: 0.000+/-0.000 χ²/NDF: 12839867.2/54
In: 0.000+/-0.000 χ²/NDF:16622692.8/48
Out: 0.000+/-0.000 χ²/NDF:14648039.9/52
All: 0.000+/-0.000 χ²/NDF: 31372280.0/101

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected



Right In: 273.527+/-469.382 χ^2/NDF: 28.4/25

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

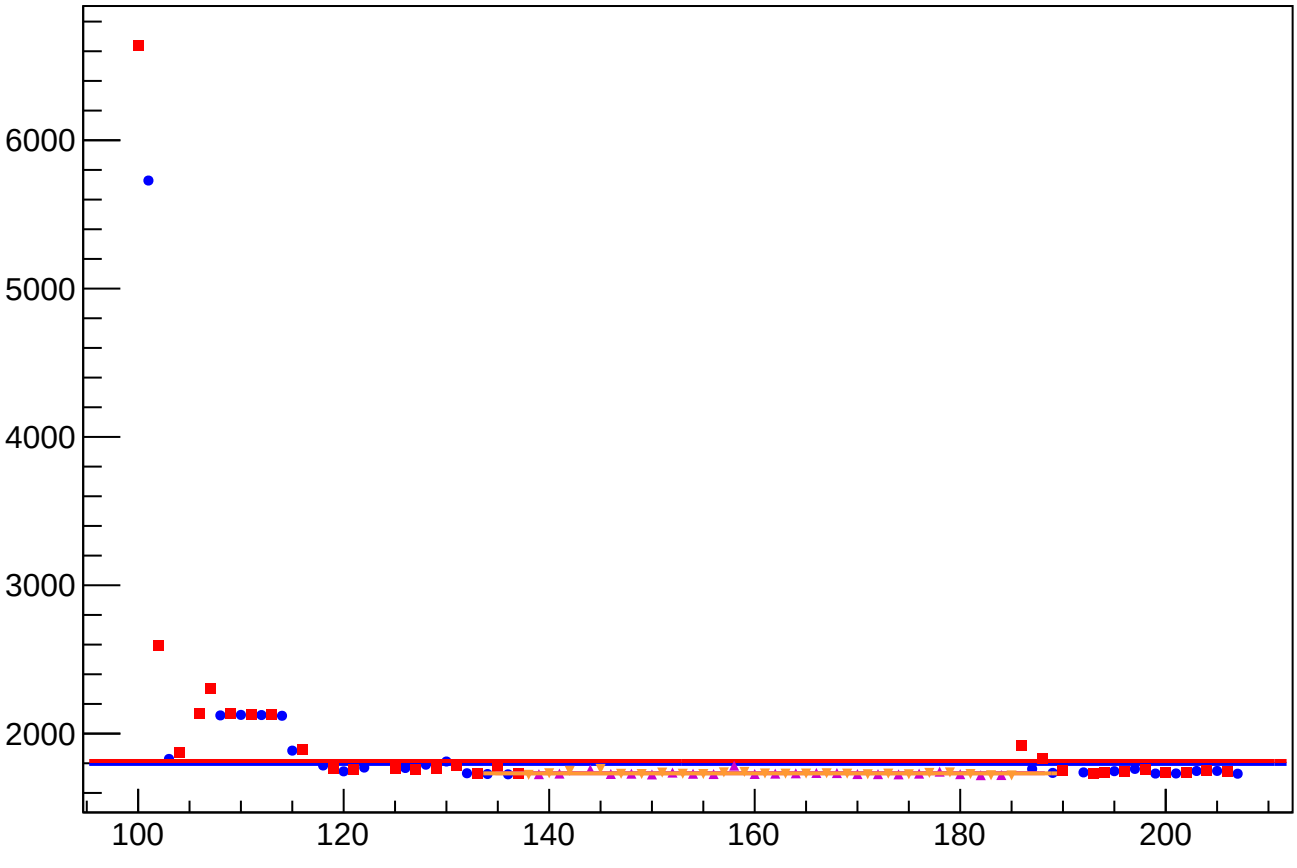
Left: 8.702+/-285.197 χ^2/NDF: 54.8/46

Right: 184.651+/-327.482 χ^2/NDF: 63.0/54

In: 146.917+/-306.506 χ^2/NDF:48.0/48

Out: 24.138+/-301.862 χ^2/NDF:70.0/52

All: 84.590+/-215.072 χ^2/NDF: 118.0/101



Right In: 1795.709+/-0.332 χ^2/NDF: 707356.1/25

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

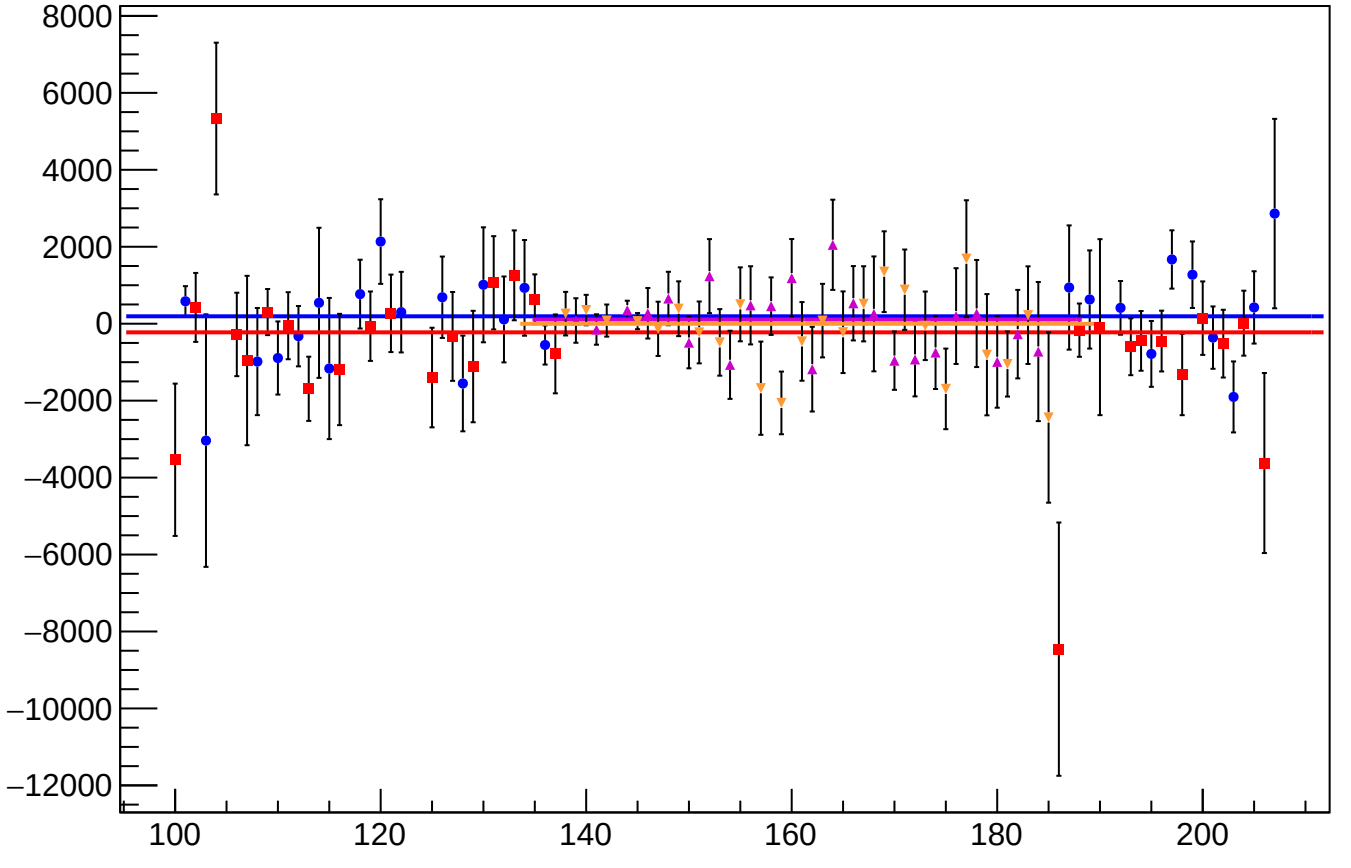
Right: 1805.807+/-0.232 χ^2/NDF: 1013582.0/54

In: 1759.921+/-0.217 χ^2/NDF:729857.2/48

Out: 1768.352+/-0.213 χ^2/NDF:342901.2/52

All: 1764.201+/-0.152 χ^2/NDF: 1073526.7/10

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 192.427+/-176.398 χ^2/NDF: 27.5/25

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

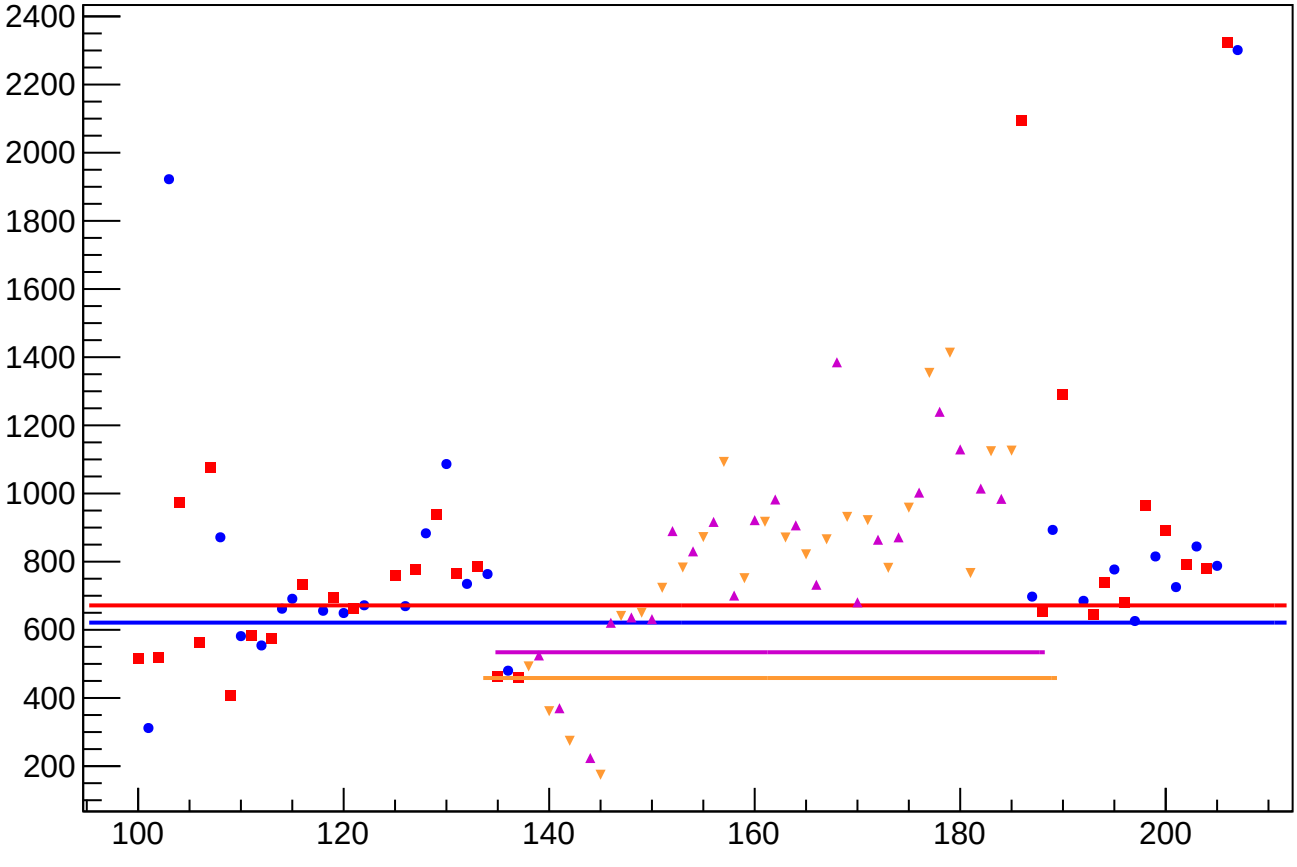
Right: -8.664+/-126.916 χ^2/NDF: 62.4/54

In: 141.803+/-111.231 χ^2/NDF:44.6/48

Out: -77.066+/-105.958 χ^2/NDF:53.5/52

All: 27.058+/-76.720 χ^2/NDF: 100.1/101

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 621.153+/-0.125 χ^2/NDF: 3557190.3/25

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

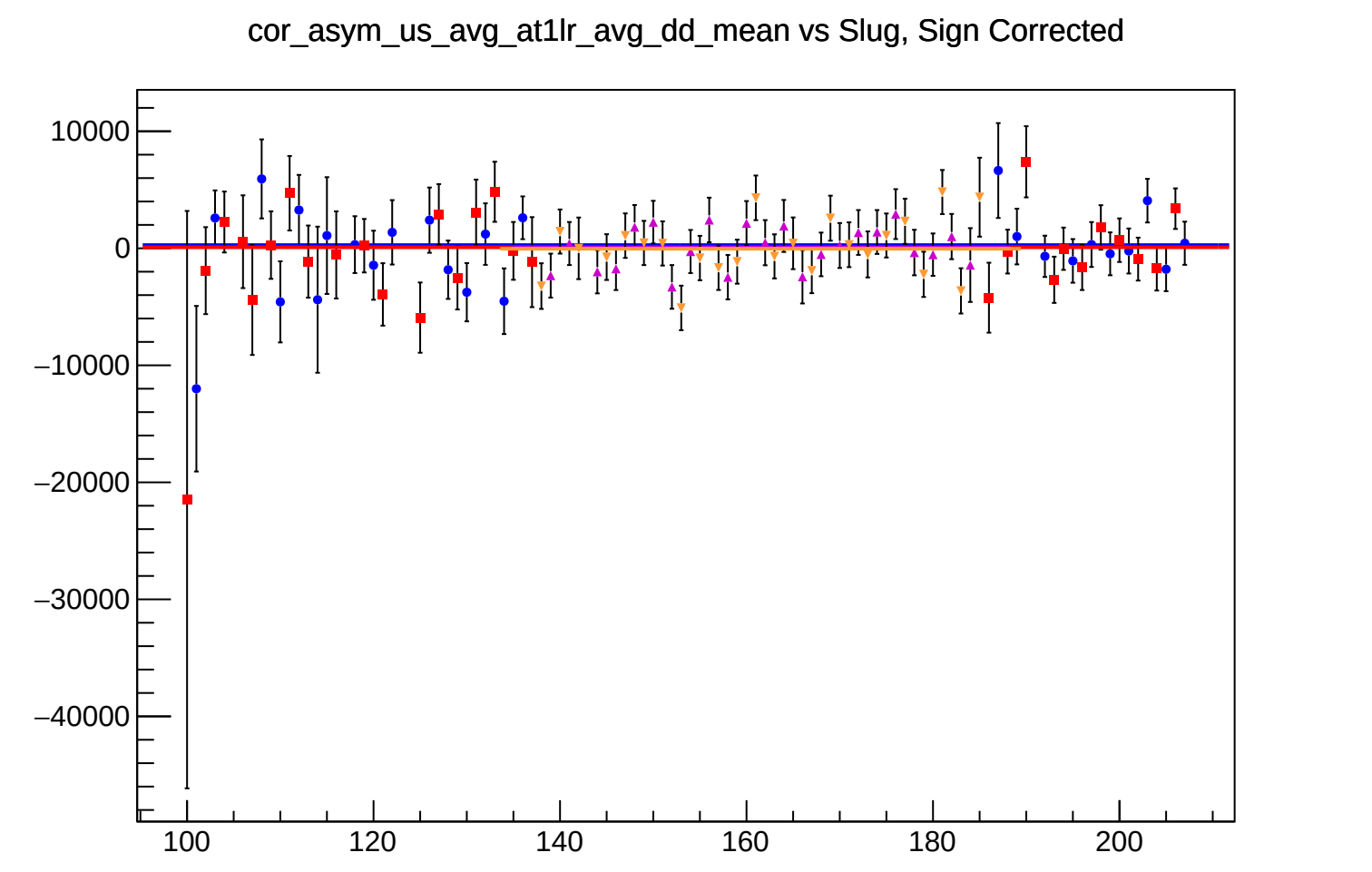
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 645.508+/-0.090 χ^2/NDF: 6568896.7/54

In: 568.751+/-0.079 χ^2/NDF:12293492.7/48

Out: 530.212+/-0.075 χ^2/NDF:16164193.2/52

All: 548.546+/-0.054 χ^2/NDF: 28583555.1/10



Right In: 273.508+/-469.382 χ^2/NDF: 28.4/25

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

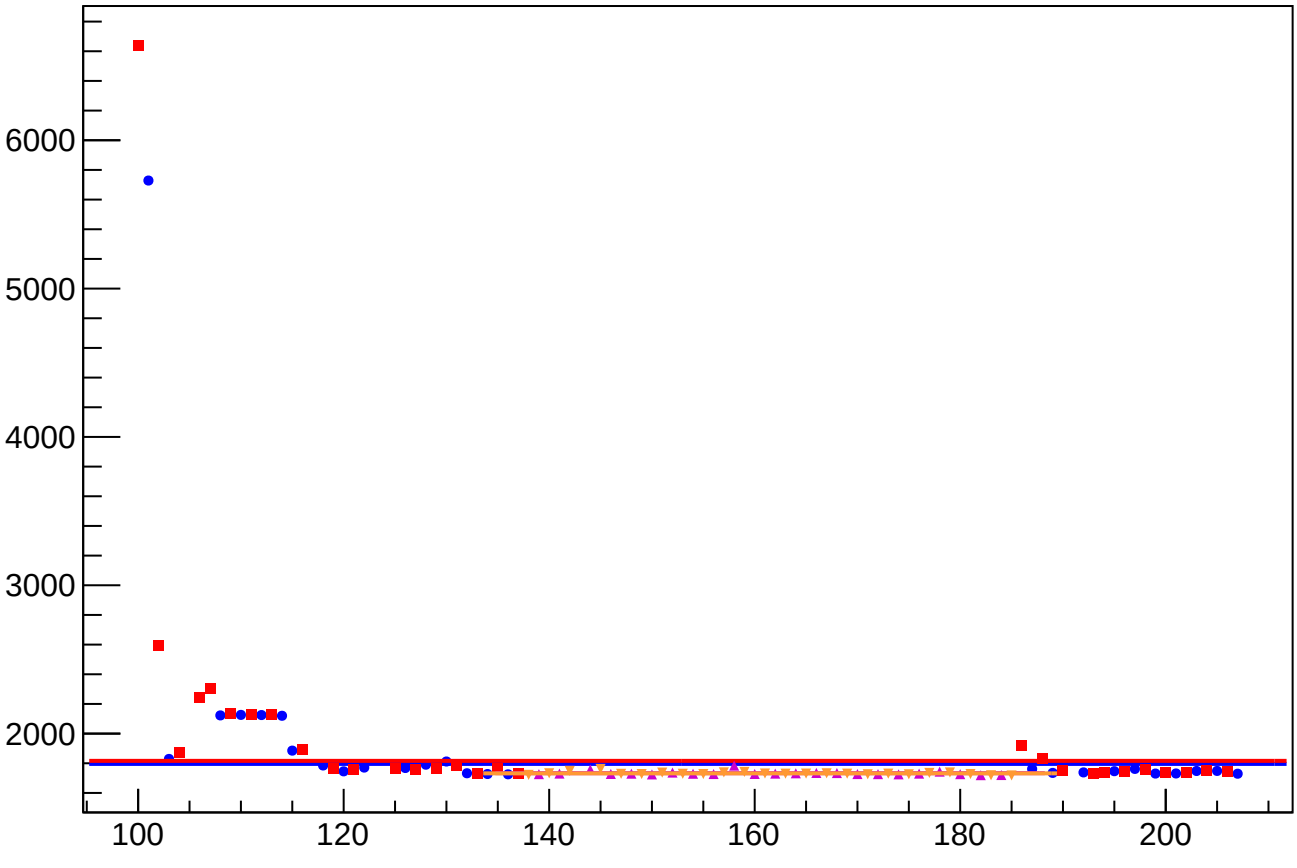
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 178.489+/-327.619 χ^2/NDF: 62.9/54

In: 146.862+/-306.506 χ^2/NDF:47.9/48

Out: 18.829+/-301.969 χ^2/NDF:69.9/52

All: 81.891+/-215.110 χ^2/NDF: 117.9/101



Right In: 1795.709+/-0.332 χ^2/NDF: 707355.9/25

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

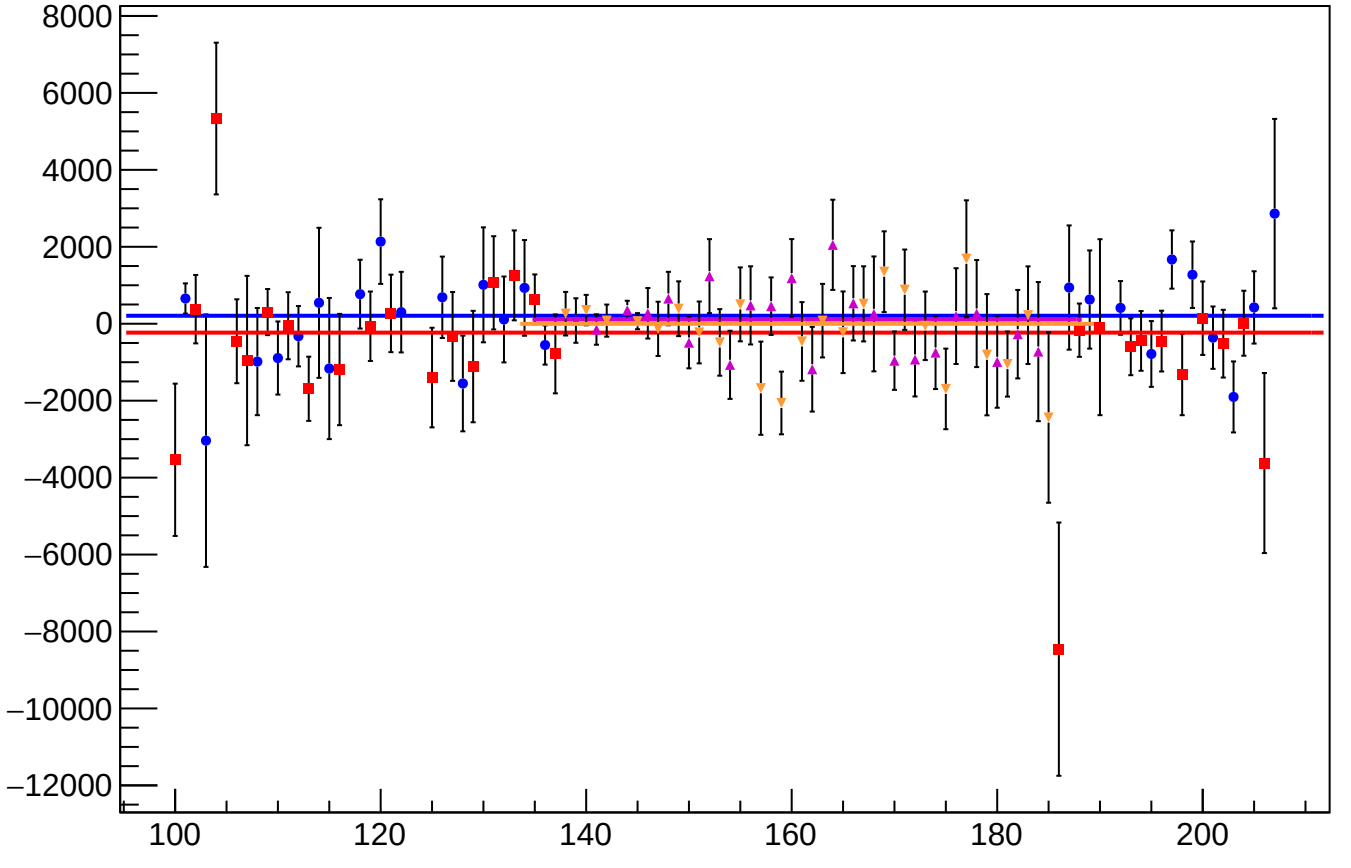
Right: 1806.248+/-0.232 χ^2/NDF: 1022127.0/54

In: 1759.921+/-0.217 χ^2/NDF:729857.0/48

Out: 1768.701+/-0.214 χ^2/NDF:352041.9/52

All: 1764.376+/-0.152 χ^2/NDF: 1082731.9/10

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 207.419+/-176.359 χ^2/NDF: 27.9/25

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

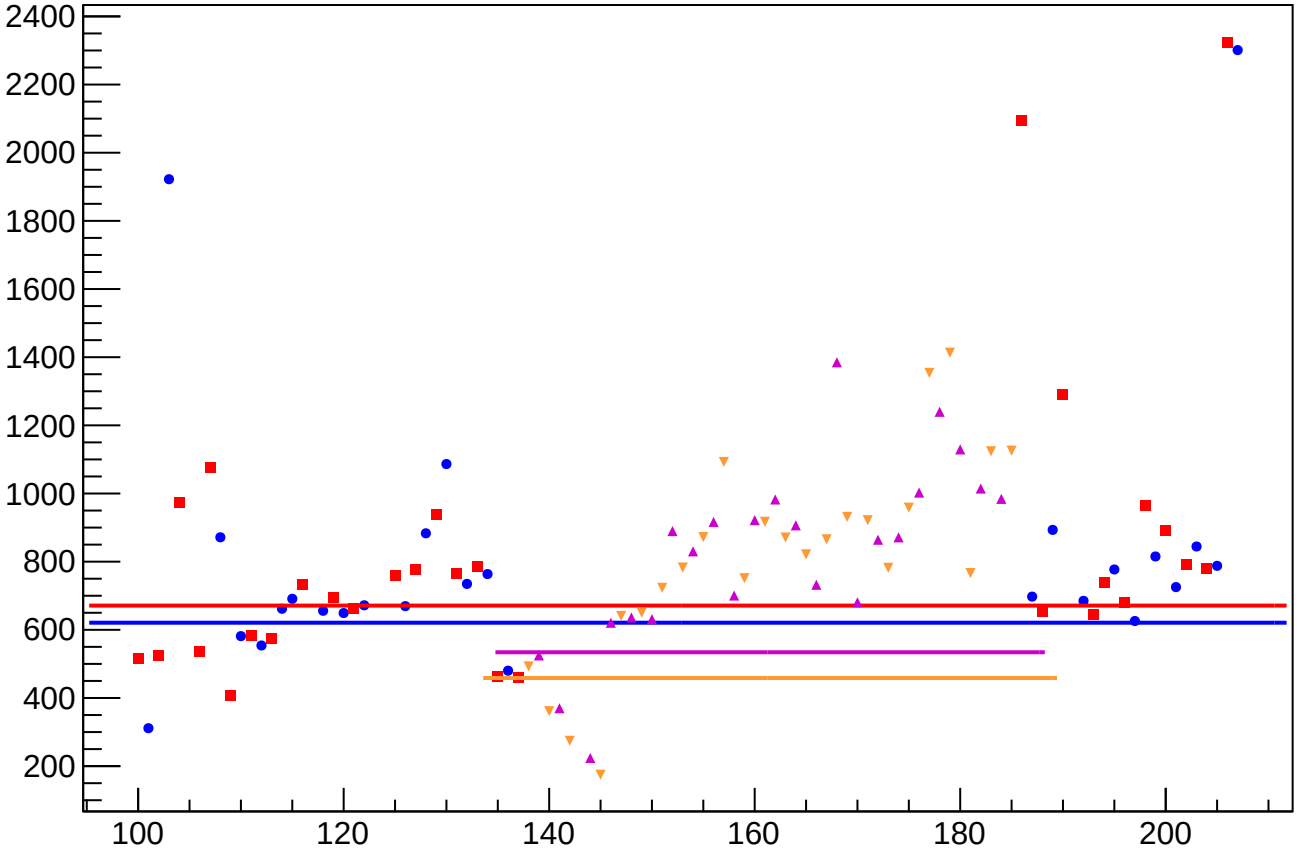
Right: -3.977+/-126.893 χ^2/NDF: 63.0/54

In: 147.757+/-111.222 χ^2/NDF:45.1/48

Out: -79.319+/-105.955 χ^2/NDF:53.5/52

All: 28.715+/-76.716 χ^2/NDF: 100.8/101

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 620.918+/-0.125 χ^2/NDF: 3563898.8/25

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

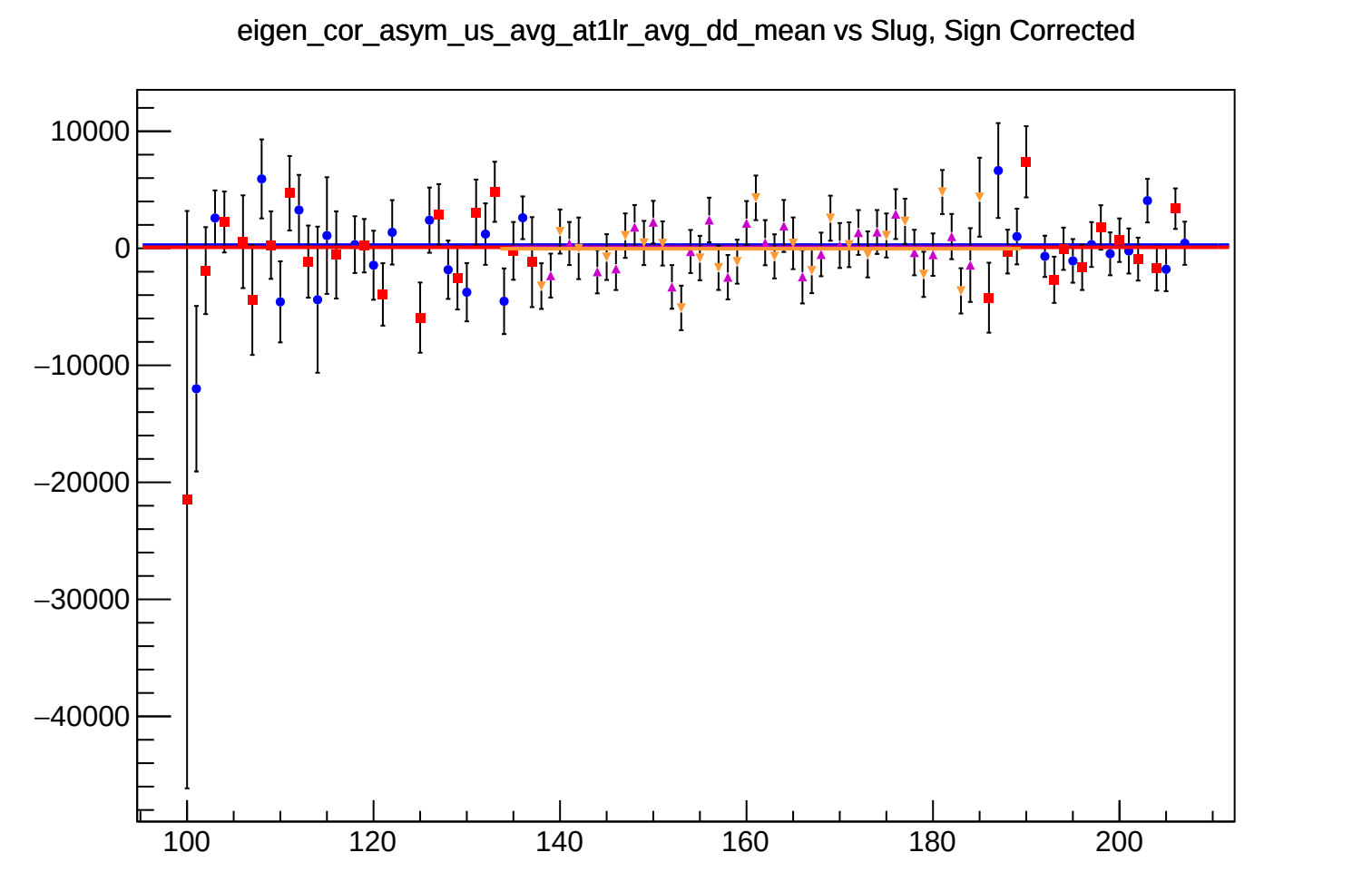
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 645.130+/-0.090 χ^2/NDF: 6581099.0/54

In: 568.671+/-0.079 χ^2/NDF:12298158.5/48

Out: 530.056+/-0.075 χ^2/NDF:16161360.9/52

All: 548.427+/-0.054 χ^2/NDF: 28585903.9/10



Right In: 273.508+/-469.382 χ^2/NDF: 28.4/25

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

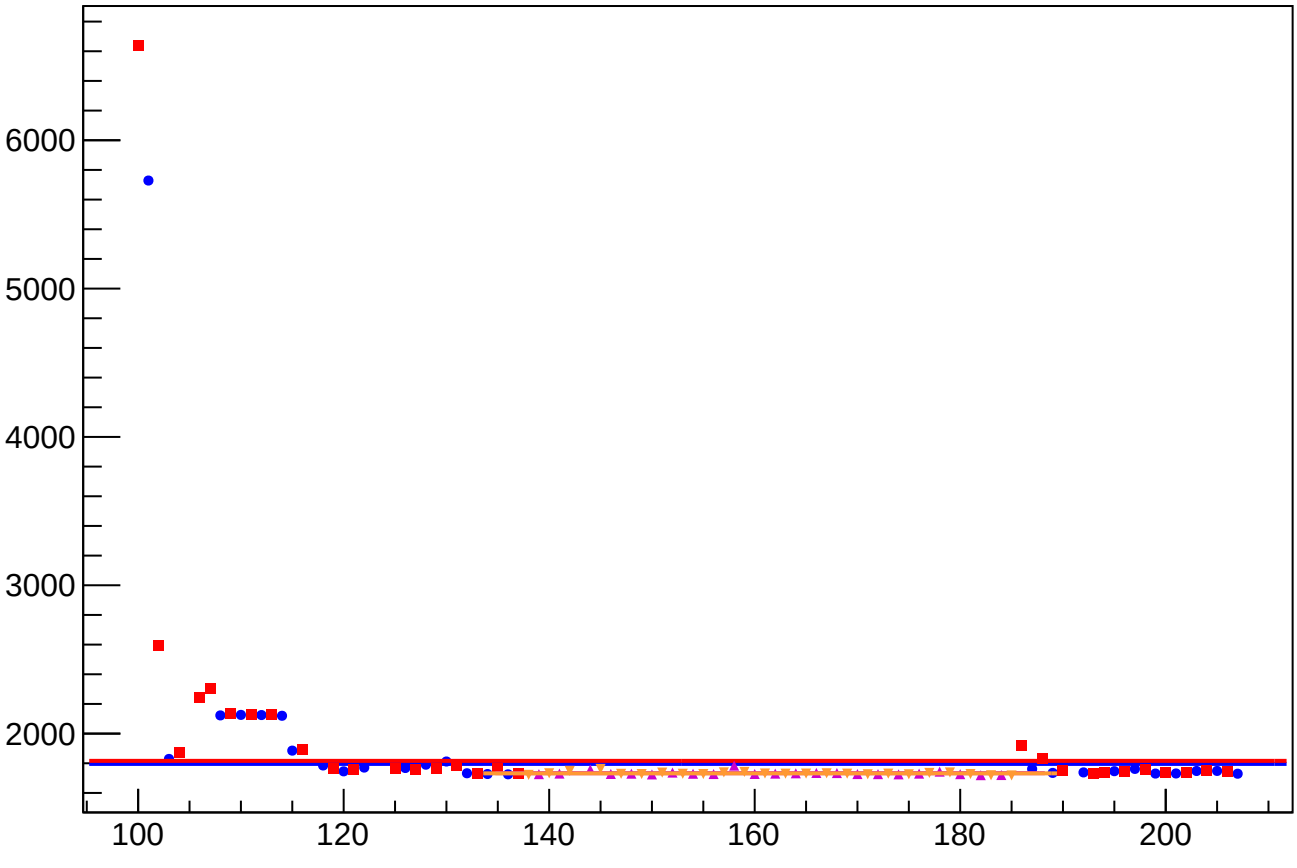
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 178.489+/-327.619 χ^2/NDF: 62.9/54

In: 146.862+/-306.506 χ^2/NDF:47.9/48

Out: 18.829+/-301.969 χ^2/NDF:69.9/52

All: 81.891+/-215.110 χ^2/NDF: 117.9/101



Right In: 1795.709+/-0.332 χ^2/NDF: 707355.9/25

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

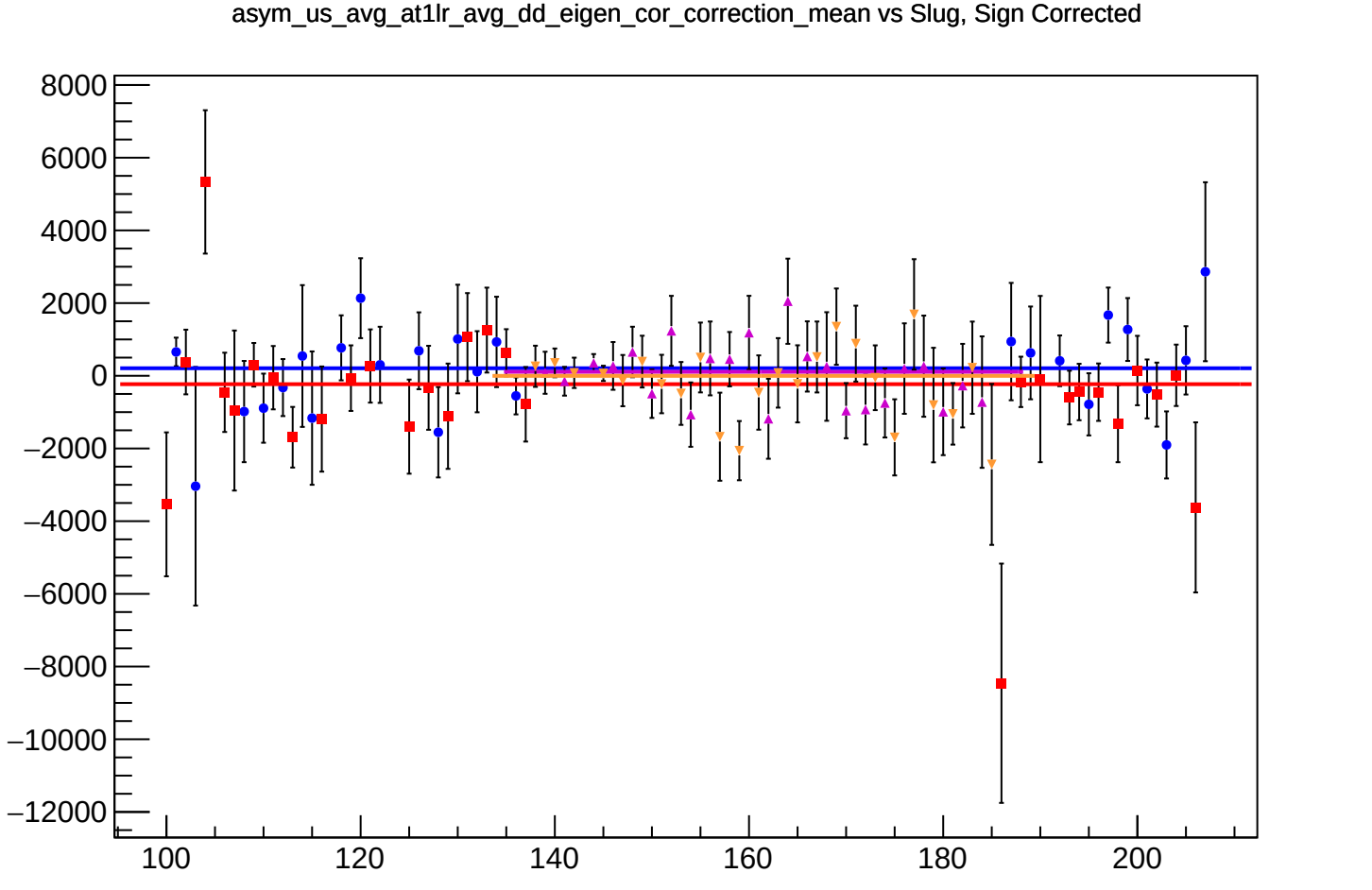
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1806.248+/-0.232 χ^2/NDF: 1022127.0/54

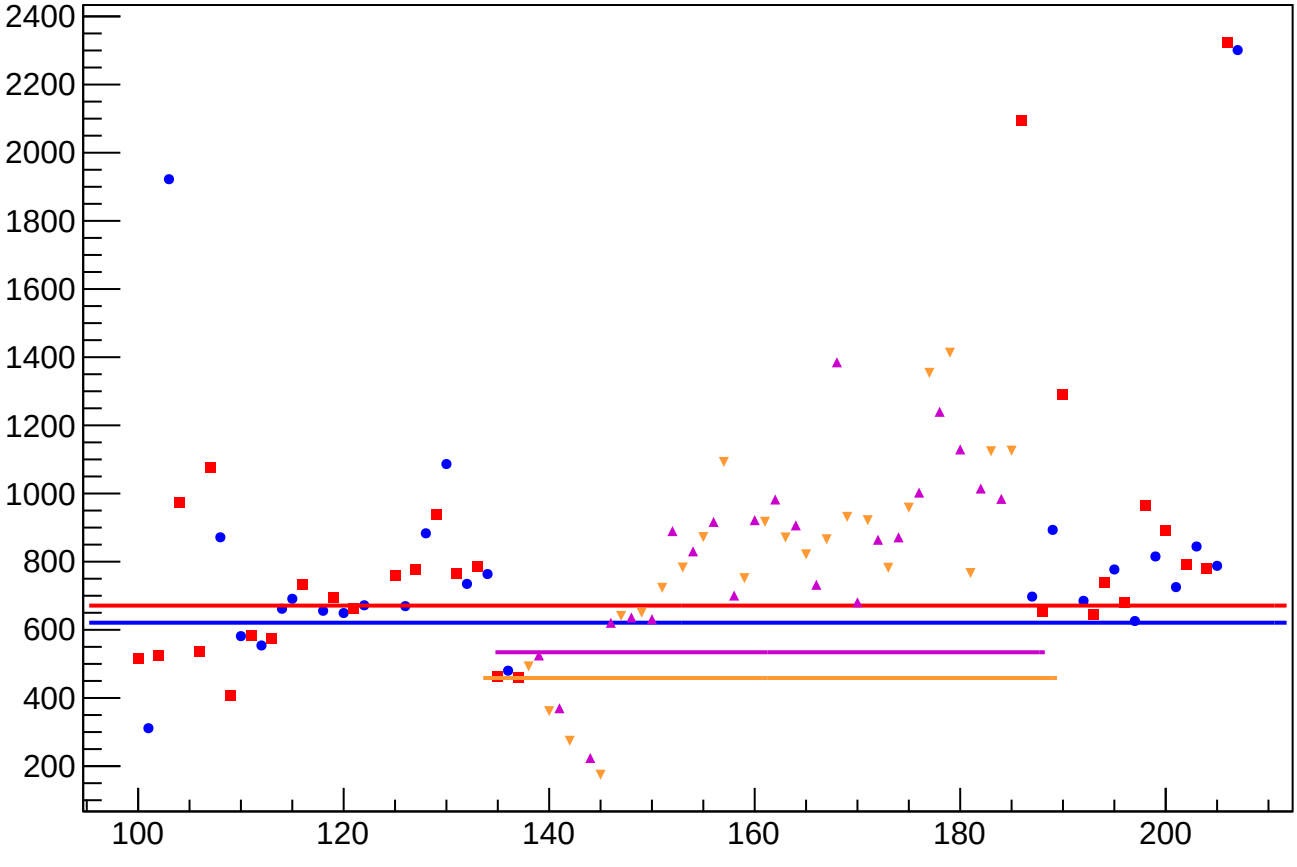
In: 1759.921+/-0.217 χ^2/NDF:729857.0/48

Out: 1768.701+/-0.214 χ^2/NDF:352041.9/52

All: 1764.376+/-0.152 χ^2/NDF: 1082731.9/10


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: 207.419+/-176.359 χ²/NDF: 27.9/25
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: -3.977+/-126.893 χ²/NDF: 63.0/54
In: 147.757+/-111.222 χ²/NDF:45.1/48
Out: -79.319+/-105.955 χ²/NDF:53.5/52
All: 28.715+/-76.716 χ²/NDF: 100.8/101

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 620.918+/-0.125 χ^2/NDF: 3563898.8/25

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

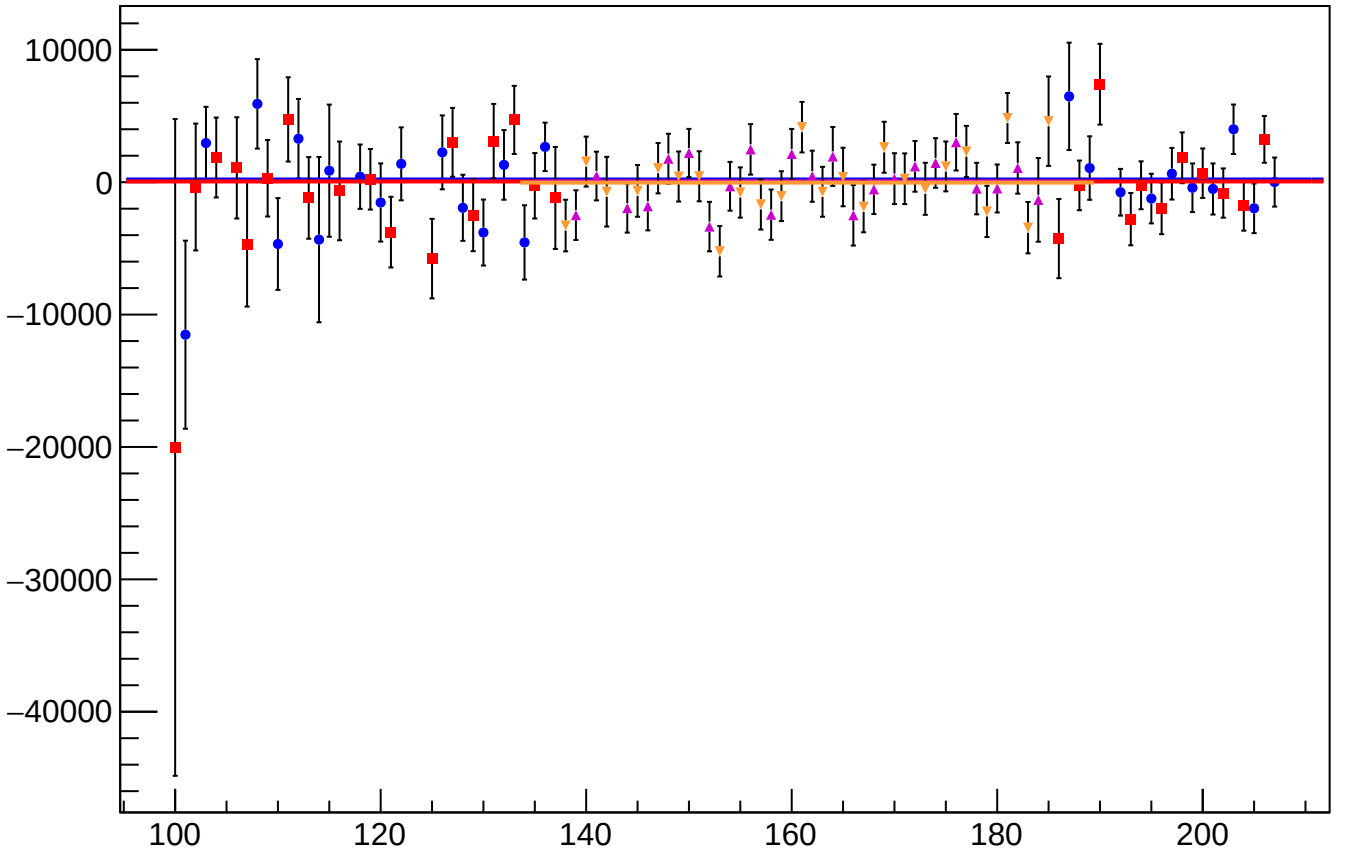
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 645.130+/-0.090 χ^2/NDF: 6581099.0/54

In: 568.671+/-0.079 χ^2/NDF:12298158.5/48

Out: 530.056+/-0.075 χ^2/NDF:16161360.9/52

All: 548.427+/-0.054 χ^2/NDF: 28585903.9/10



Right In: 205.125+/-473.242 χ^2/NDF: 28.6/25

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

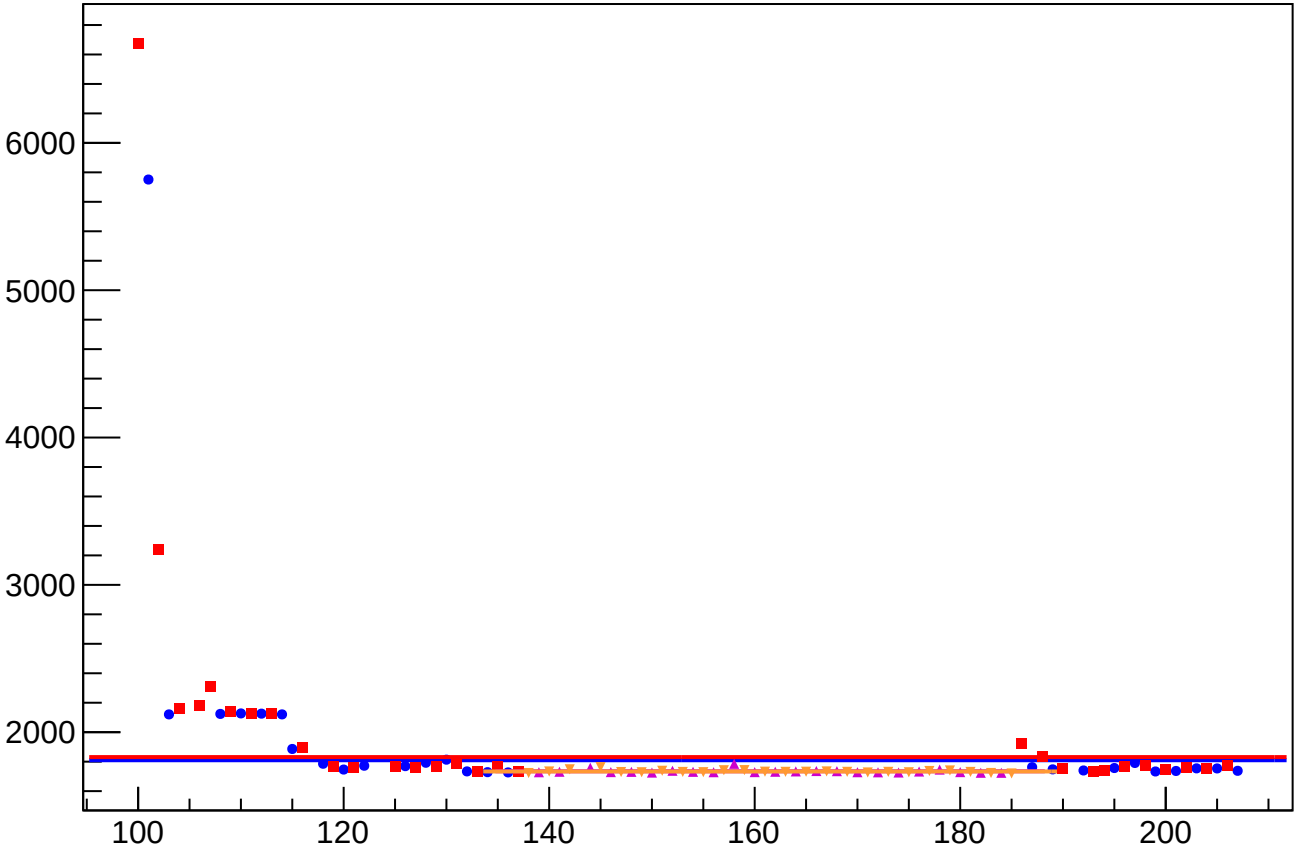
Right: 128.201+/-330.761 χ^2/NDF: 62.2/54

In: 111.242+/-307.726 χ^2/NDF:48.5/48

Out: 6.850+/-303.537 χ^2/NDF:69.0/52

All: 58.331+/-216.099 χ^2/NDF: 117.6/101

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1809.657+/-0.335 χ^2/NDF: 732050.7/25

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

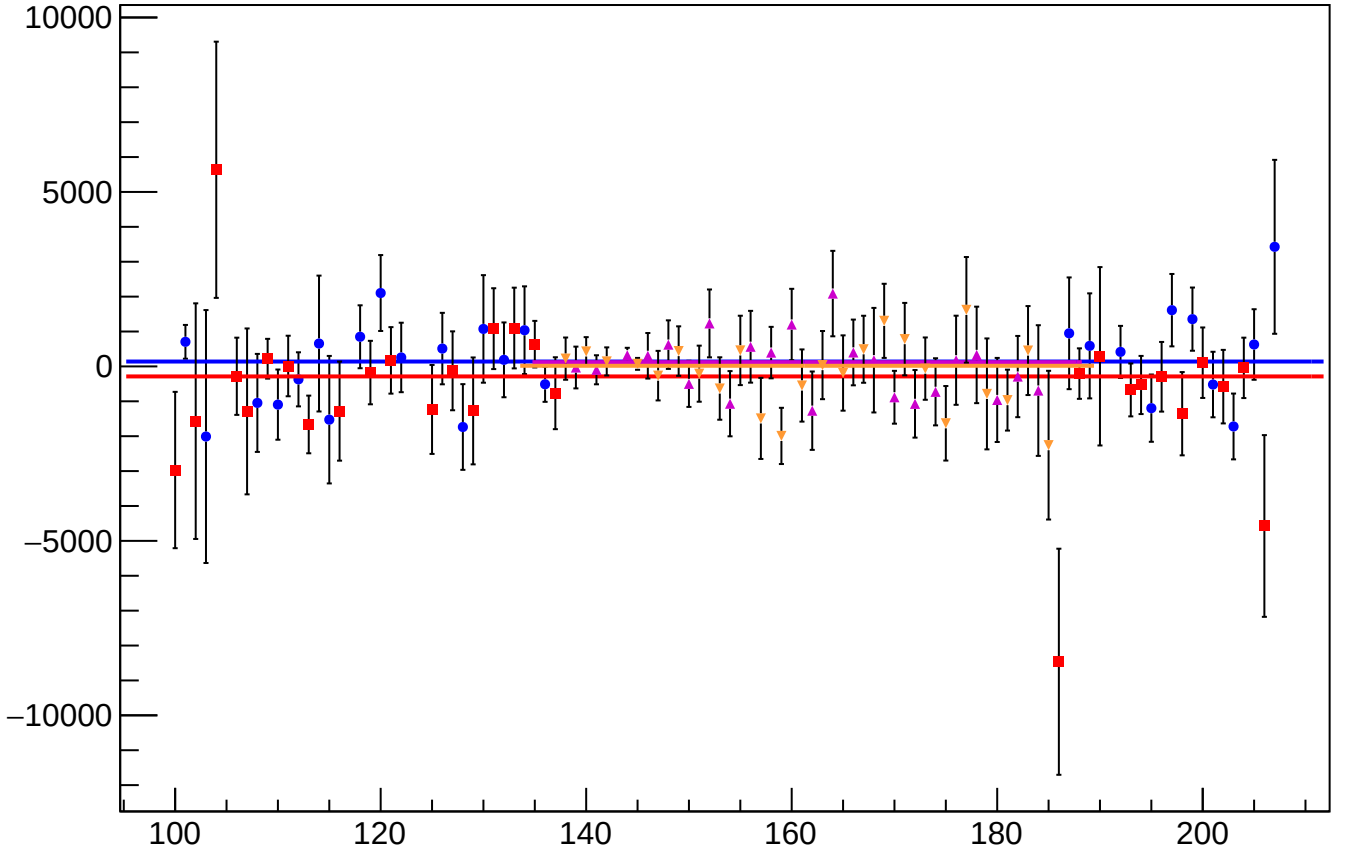
Right: 1820.573+/-0.234 χ^2/NDF: 1146189.6/54

In: 1766.457+/-0.218 χ^2/NDF:763101.1/48

Out: 1775.487+/-0.215 χ^2/NDF:463580.2/52

All: 1771.034+/-0.153 χ^2/NDF: 1227554.2/10

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 139.744+/-189.394 χ^2/NDF: 26.7/25

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

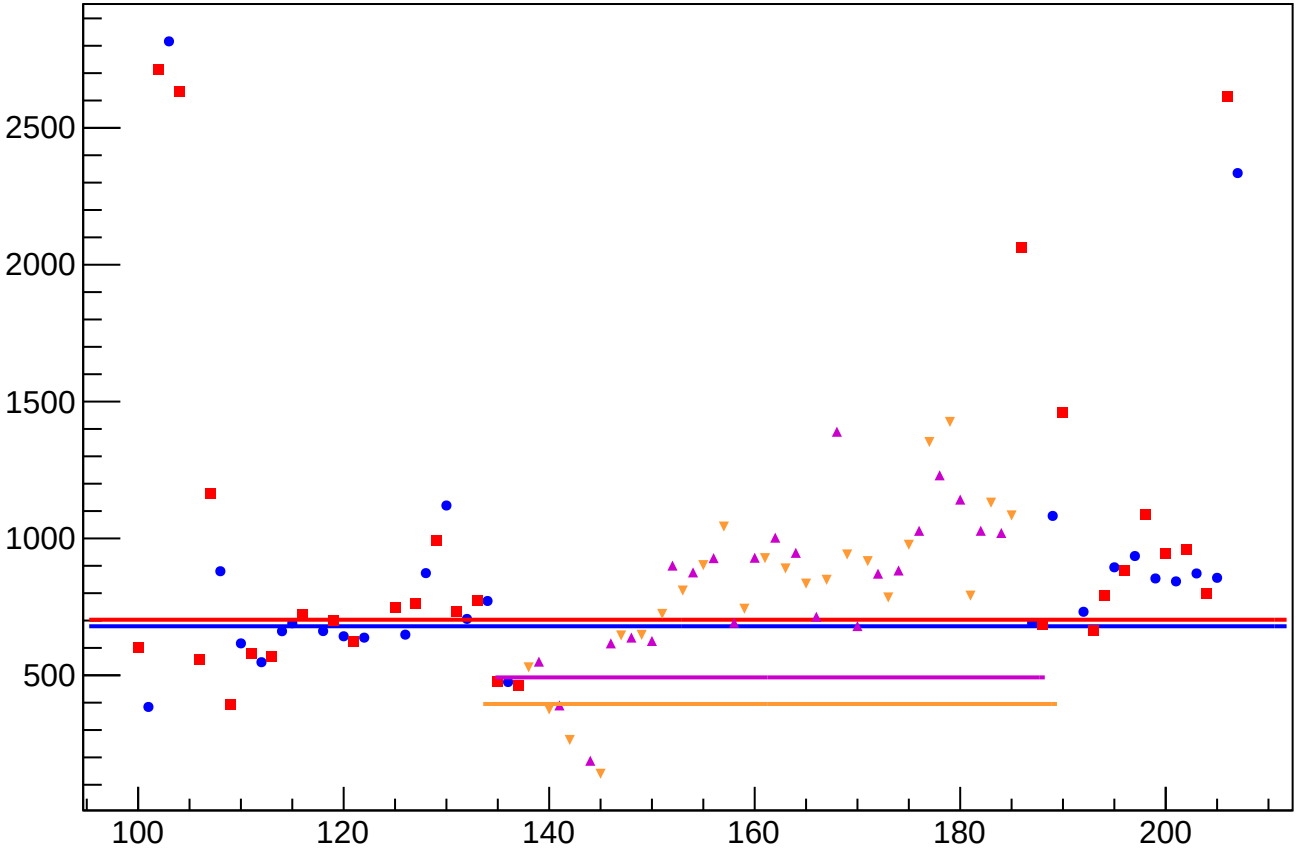
Right: -70.017+/-135.059 χ^2/NDF: 54.6/54

In: 127.911+/-111.083 χ^2/NDF:43.2/48

Out: -66.570+/-101.448 χ^2/NDF:46.6/52

All: 21.872+/-74.910 χ^2/NDF: 91.5/101

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 679.116+/-0.134 χ^2/NDF: 3642815.6/25

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

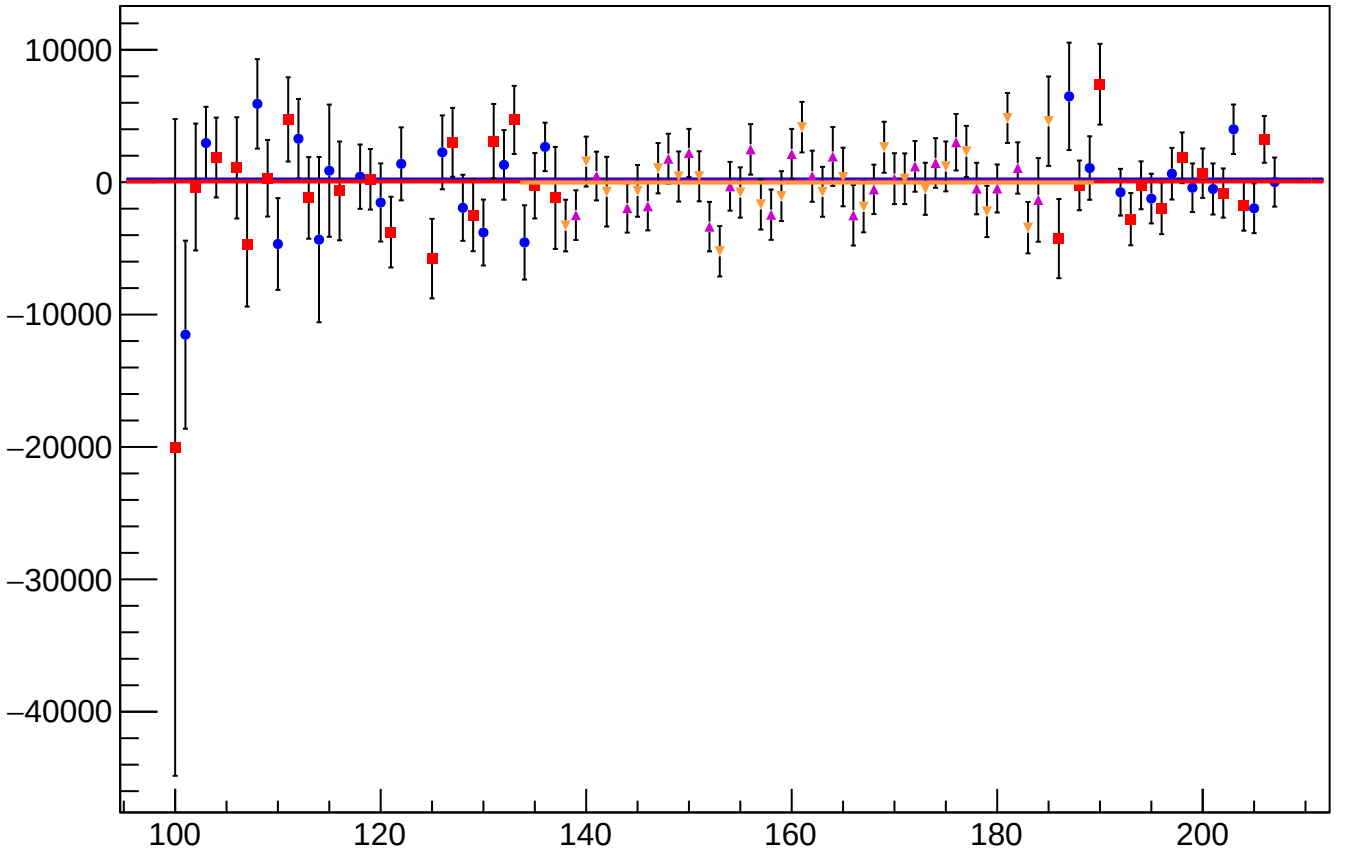
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 690.851+/-0.096 χ^2/NDF: 8329840.6/54

In: 556.561+/-0.079 χ^2/NDF:15338917.3/48

Out: 480.540+/-0.072 χ^2/NDF:22695546.7/52

All: 515.111+/-0.053 χ^2/NDF: 38545204.6/10



Right In: 205.126+/-473.242 χ^2/NDF: 28.6/25

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: 54.735+/-462.476 χ^2/NDF: 33.5/28

Left In: 42.465+/-405.052 χ^2/NDF:19.9/22

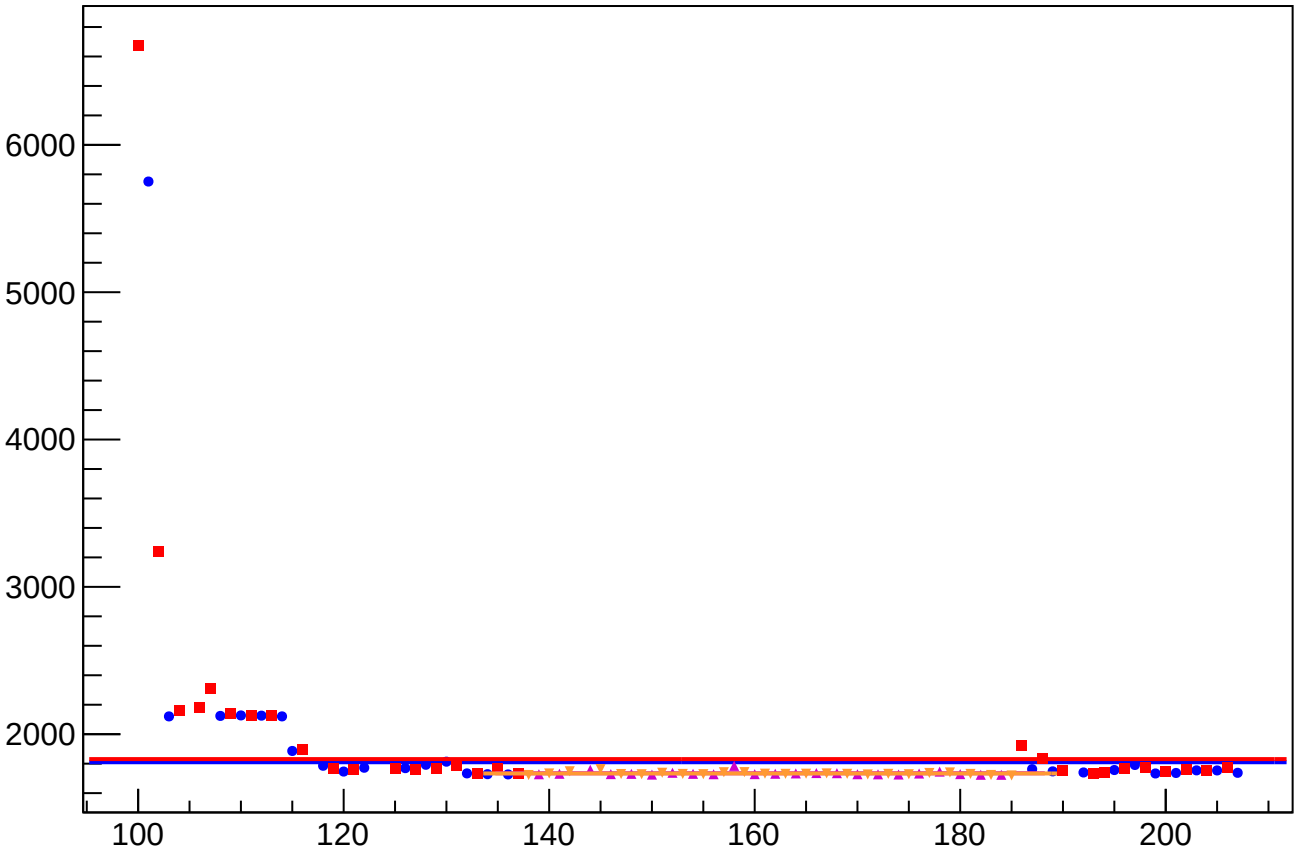
Left: 6.293+/-285.443 χ^2/NDF: 55.3/46

Right: 128.200+/-330.761 χ^2/NDF: 62.2/54

In: 111.242+/-307.726 χ^2/NDF:48.5/48

Out: 6.847+/-303.538 χ^2/NDF:69.0/52

All: 58.330+/-216.099 χ^2/NDF: 117.6/101



Right In: 1809.657+/-0.335 χ^2/NDF: 732050.3/25

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

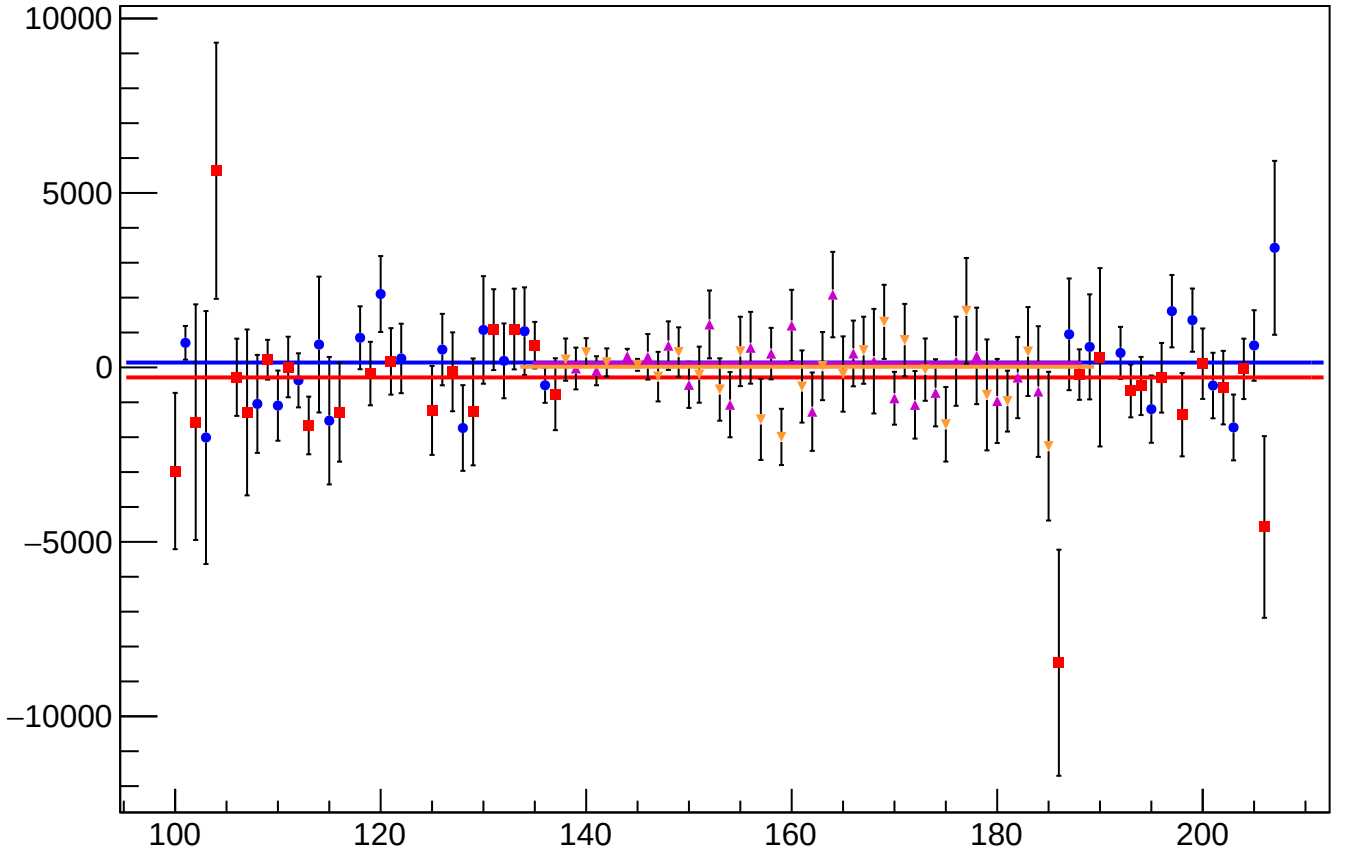
Right: 1820.573+/-0.234 χ^2/NDF: 1146188.2/54

In: 1766.457+/-0.218 χ^2/NDF:763100.7/48

Out: 1775.487+/-0.215 χ^2/NDF:463579.3/52

All: 1771.034+/-0.153 χ^2/NDF: 1227552.9/10

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 139.743+/-189.394 χ^2/NDF: 26.7/25

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

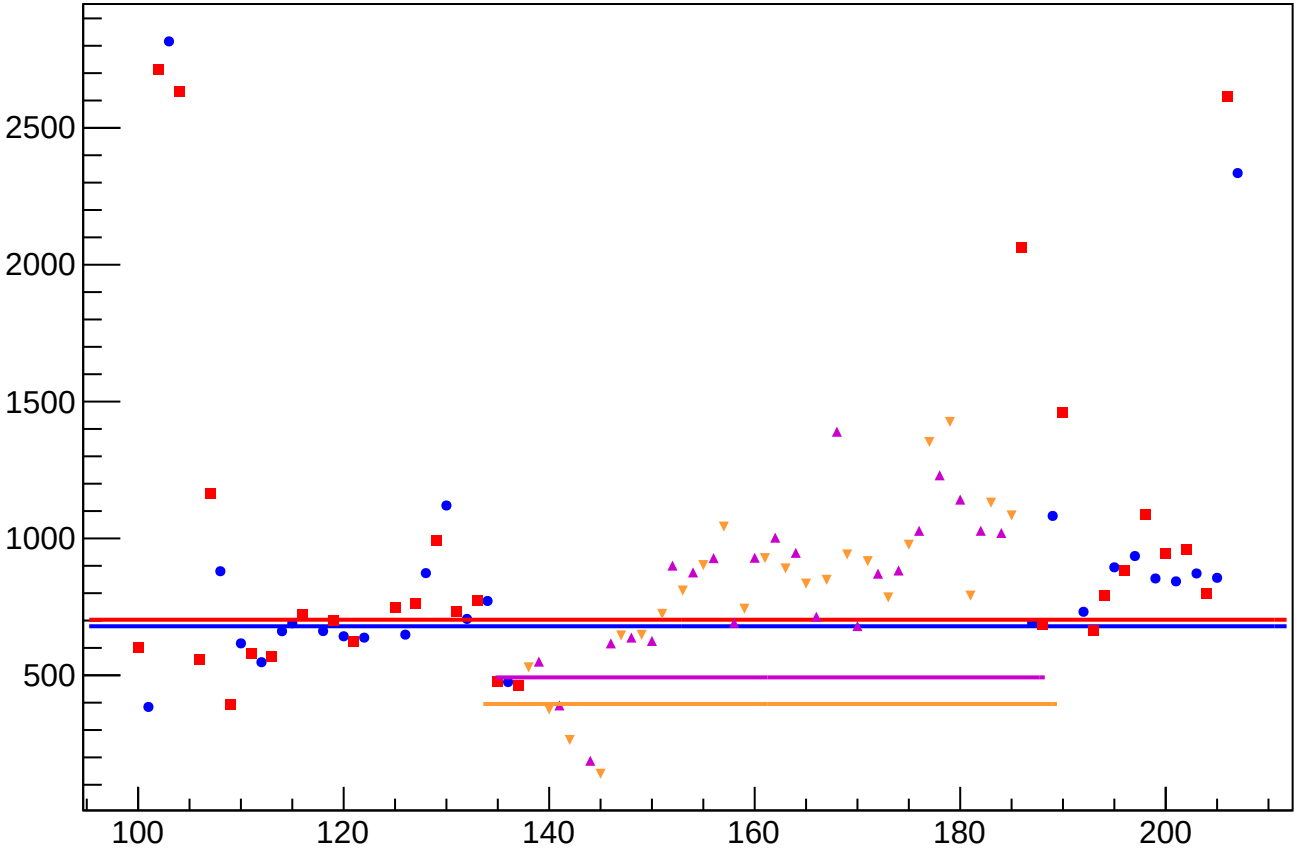
Right: -70.016+/-135.059 χ^2/NDF: 54.6/54

In: 127.911+/-111.083 χ^2/NDF:43.2/48

Out: -66.571+/-101.448 χ^2/NDF:46.6/52

All: 21.871+/-74.910 χ^2/NDF: 91.5/101

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 679.115+/-0.134 χ^2/NDF: 3642832.9/25

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

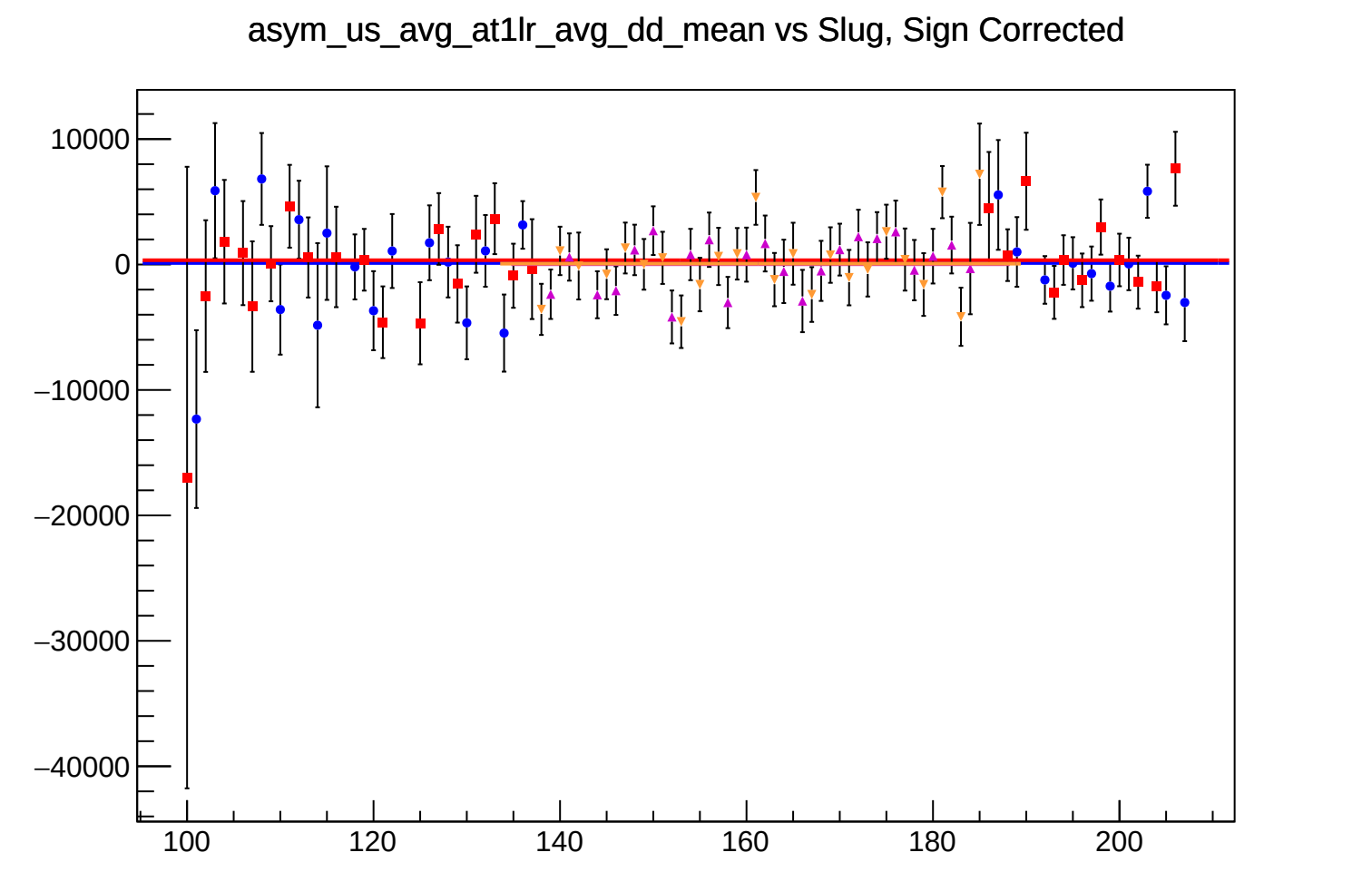
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

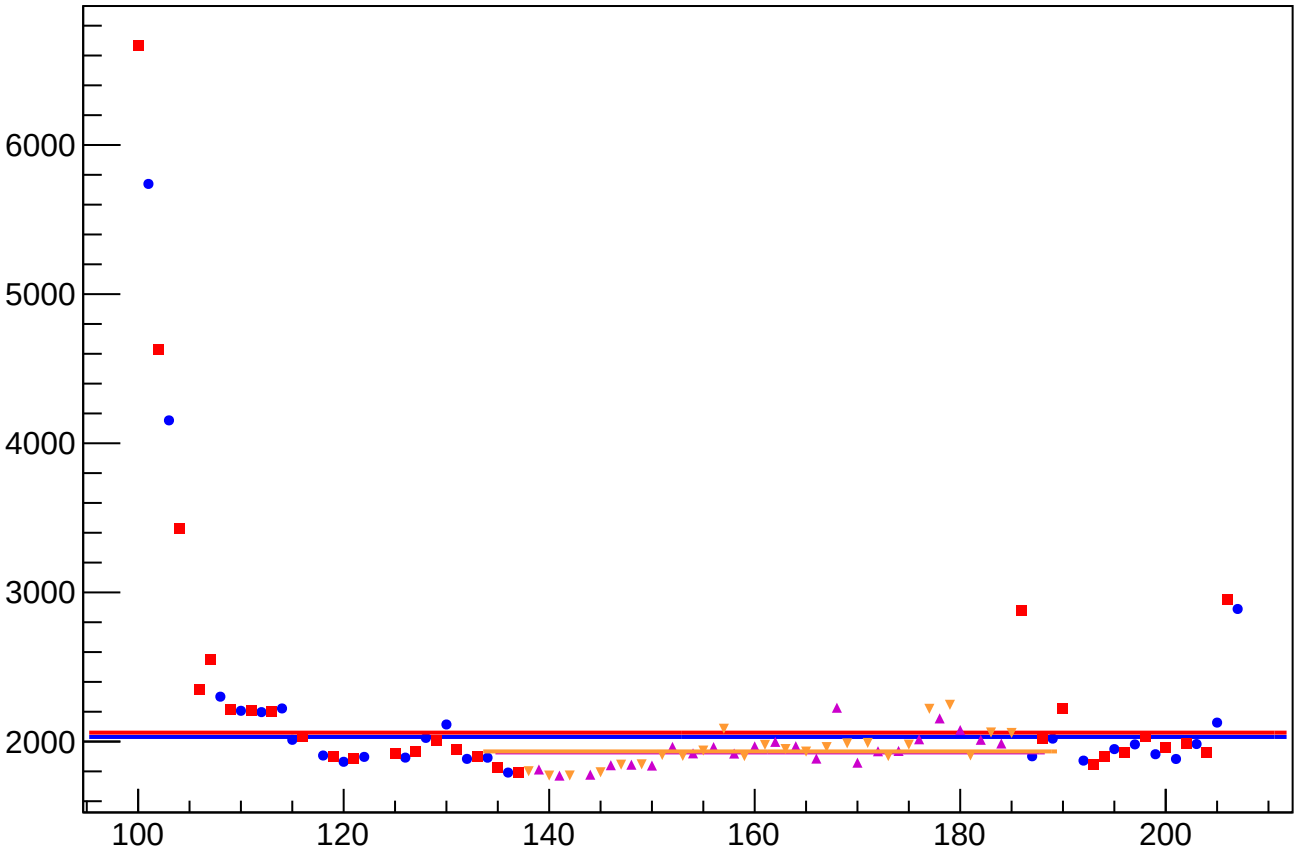
Right: 690.848+/-0.096 χ^2/NDF: 8329908.6/54

In: 556.561+/-0.079 χ^2/NDF:15338928.7/48

Out: 480.539+/-0.072 χ^2/NDF:22695574.0/52

All: 515.111+/-0.053 χ^2/NDF: 38545251.3/10


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: 121.406+/-535.664 χ²/NDF: 33.9/25
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 343.663+/-523.890 χ²/NDF: 26.5/28
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 235.004+/-374.540 χ²/NDF: 60.4/54
In: 65.302+/-344.892 χ²/NDF:53.9/48
Out: 184.191+/-341.250 χ²/NDF:60.2/52
All: 125.378+/-242.578 χ²/NDF: 114.2/101



Right In: 2030.794+/-0.379 χ^2/NDF: 1138019.5/25

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

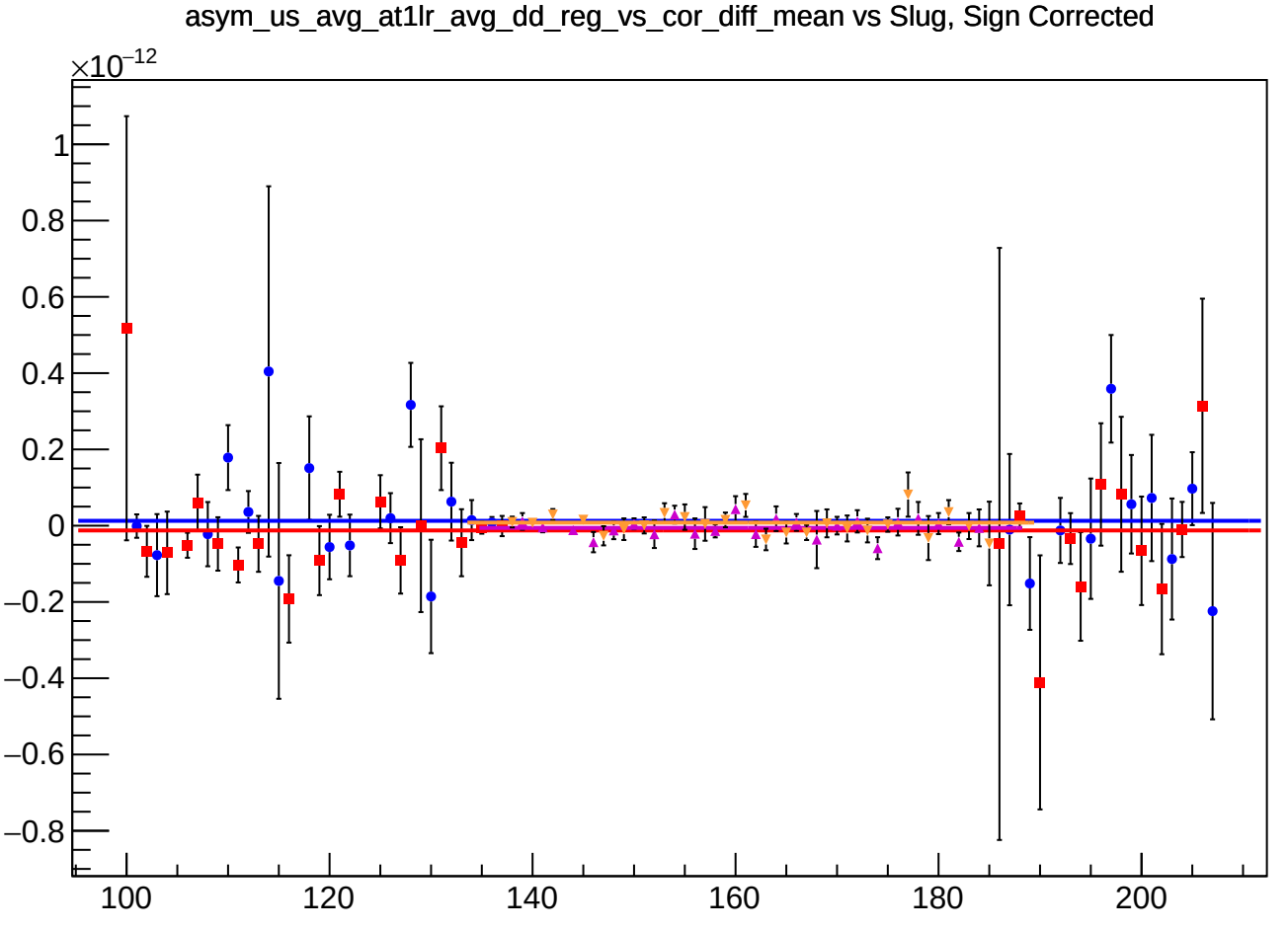
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

Right: 2045.652+/-0.265 χ^2/NDF: 2135510.7/54

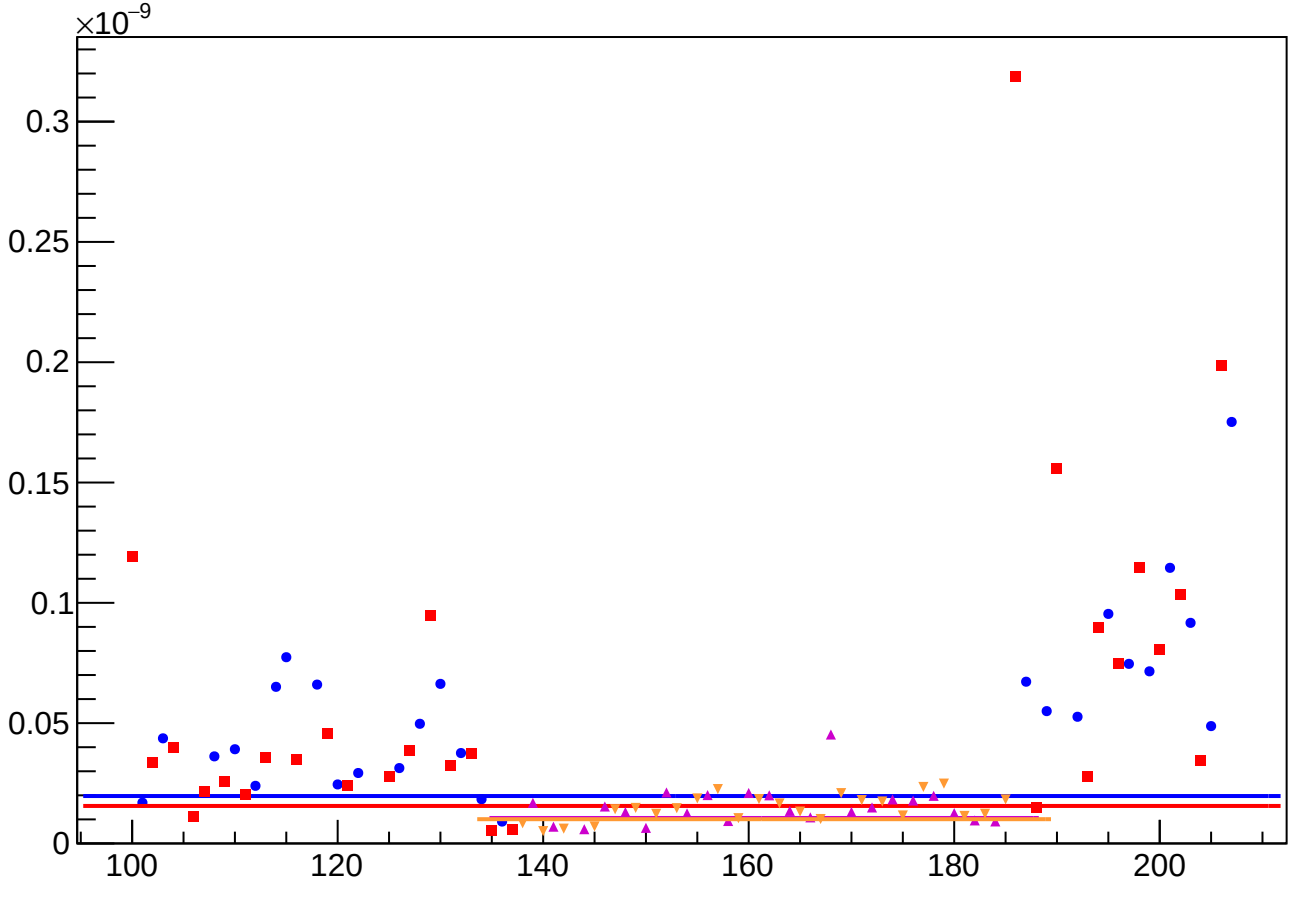
In: 1970.102+/-0.244 χ^2/NDF:1298311.6/48

Out: 1987.290+/-0.241 χ^2/NDF:1189677.8/52

All: 1978.787+/-0.172 χ^2/NDF: 2490499.5/10


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: 28.2/25
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: 59.1/54
In: -0.000+/-0.000 χ²/NDF:47.3/48
Out: 0.000+/-0.000 χ²/NDF:49.0/52
All: 0.000+/-0.000 χ²/NDF: 98.1/101

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5672013.7/25

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

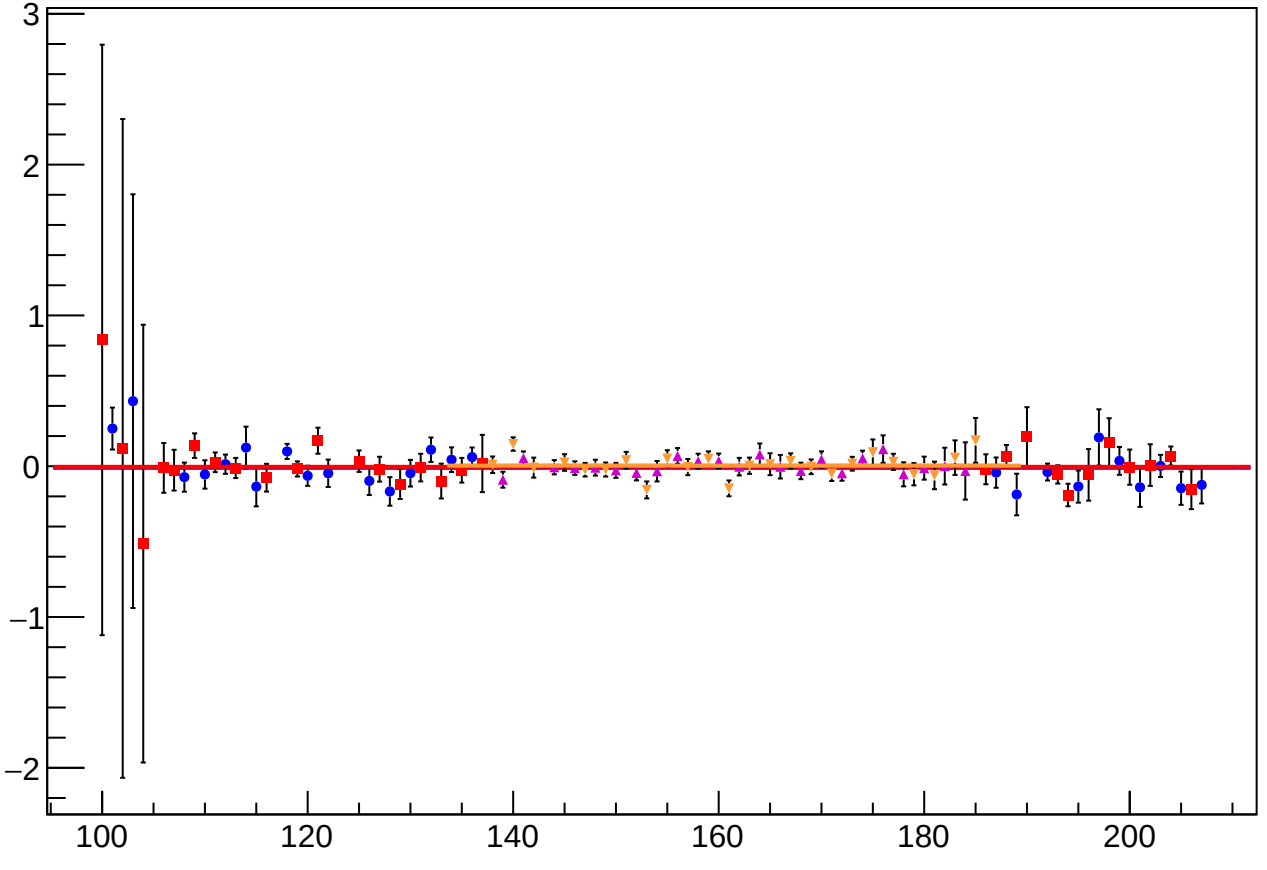
Right: 0.000+/-0.000 χ^2/NDF: 12398102.6/54

In: 0.000+/-0.000 χ^2/NDF:9398864.3/48

Out: 0.000+/-0.000 χ^2/NDF:9371152.3/52

All: 0.000+/-0.000 χ^2/NDF: 18816370.7/101

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 27.5/25

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

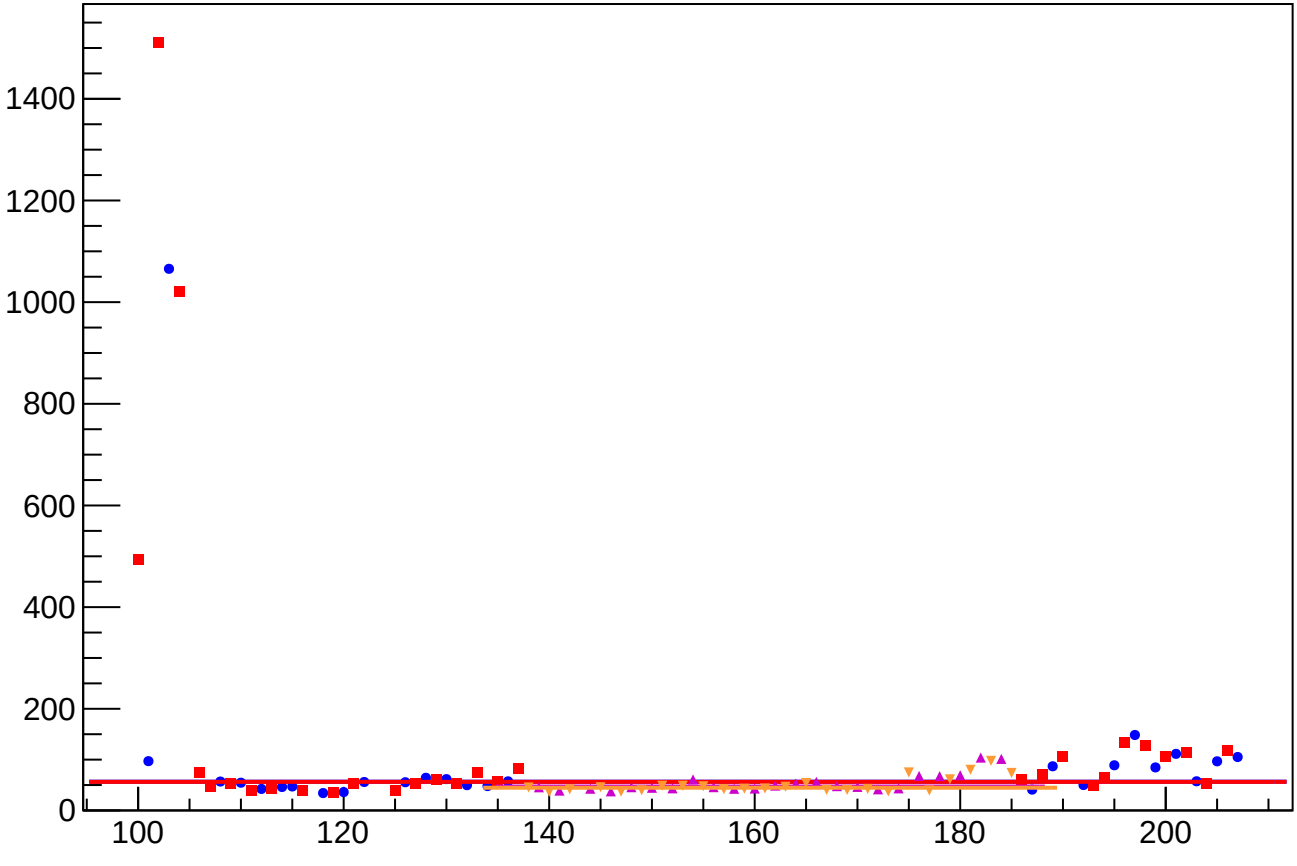
Right: -0.007+/-0.012 χ^2/NDF: 50.8/54

In: -0.001+/-0.010 χ^2/NDF:42.4/48

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.000+/-0.007 χ^2/NDF: 100.8/101

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.619+/-0.012 χ^2/NDF: 3973190.1/25

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

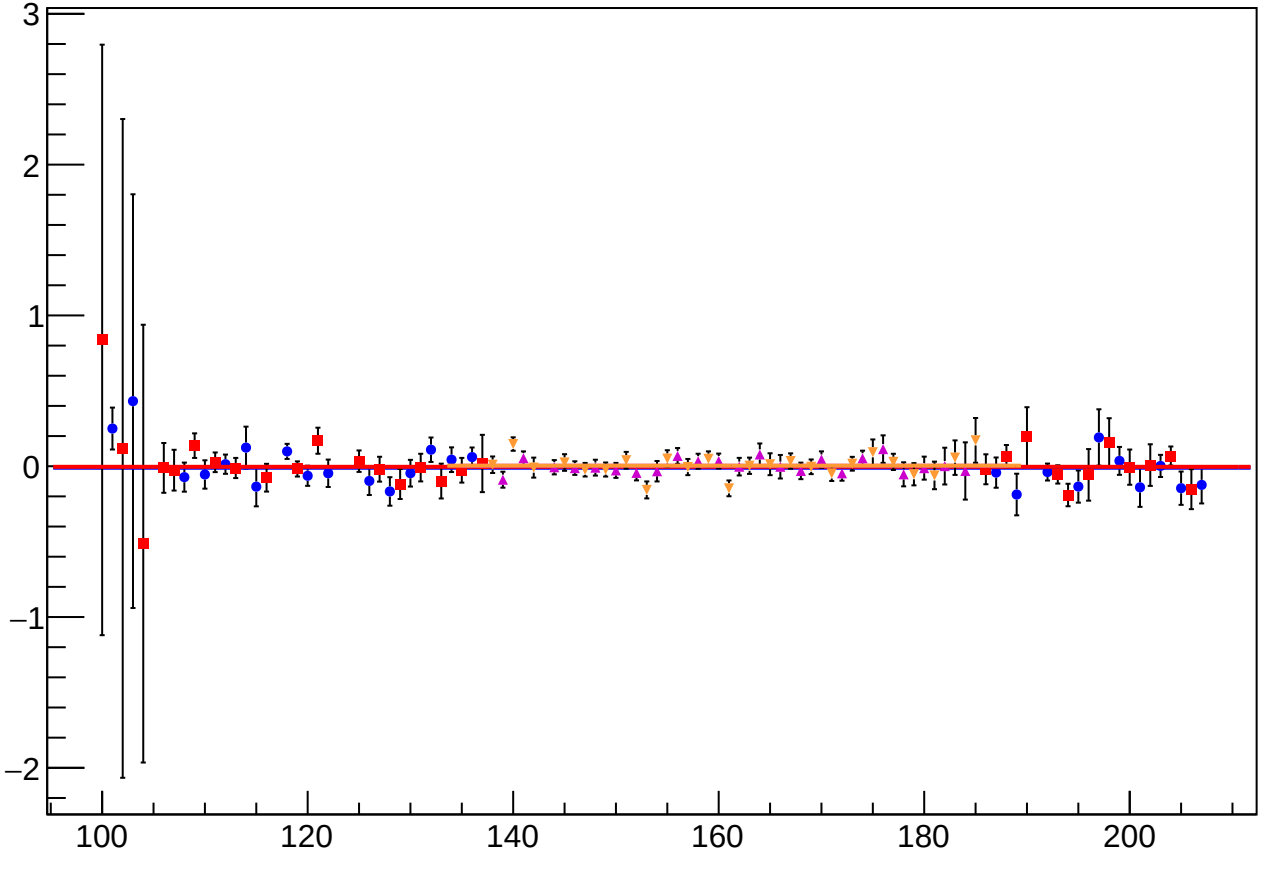
Right: 56.445+/-0.009 χ^2/NDF: 8938303.6/54

In: 50.145+/-0.007 χ^2/NDF:5774802.9/48

Out: 48.336+/-0.007 χ^2/NDF:7074301.5/52

All: 49.216+/-0.005 χ^2/NDF: 12884054.4/101

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 27.5/25

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

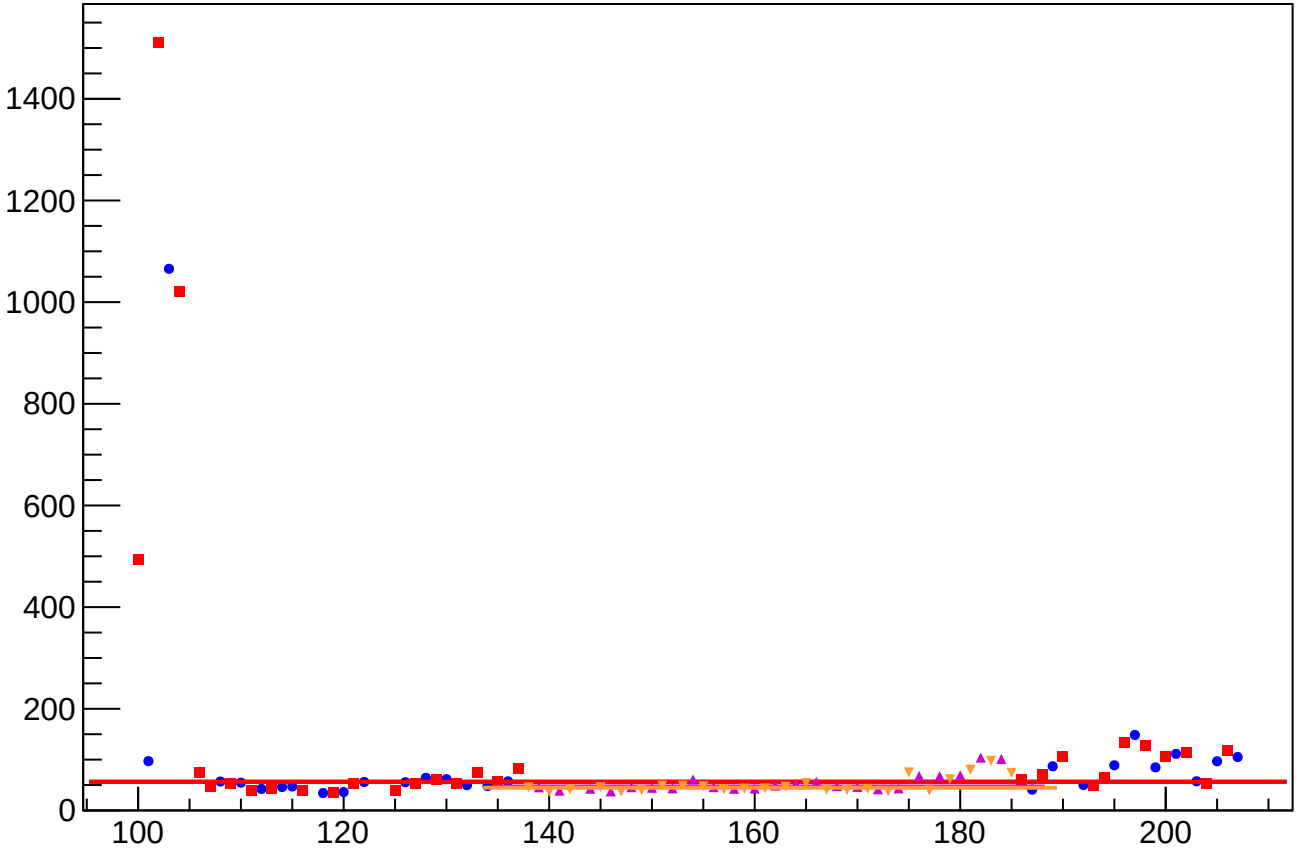
Right: -0.007+/-0.012 χ^2/NDF: 50.8/54

In: -0.001+/-0.010 χ^2/NDF:42.4/48

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.000+/-0.007 χ^2/NDF: 100.8/101

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.619+/-0.012 χ^2/NDF: 3973190.1/25

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

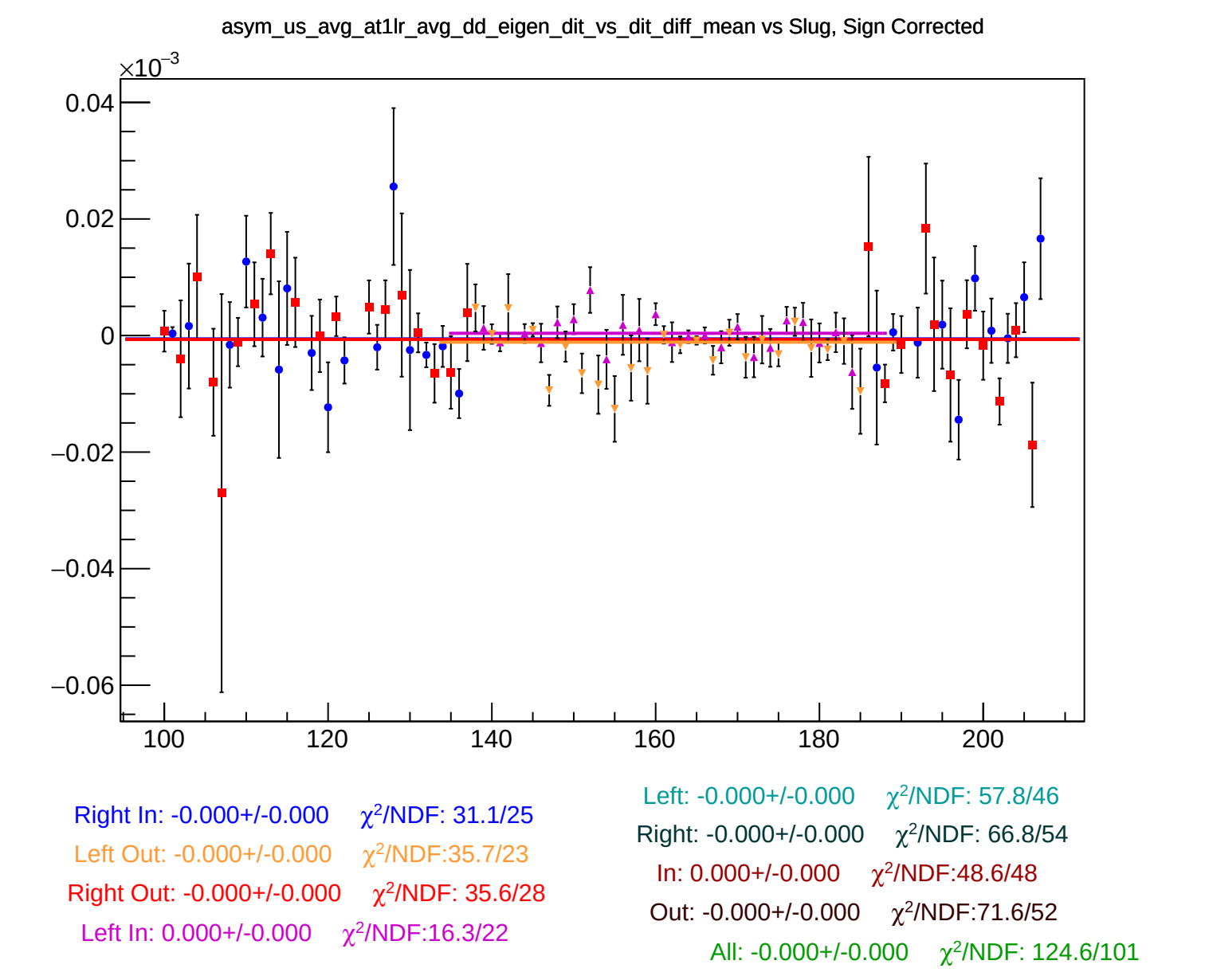
Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

Right: 56.445+/-0.009 χ^2/NDF: 8938303.6/54

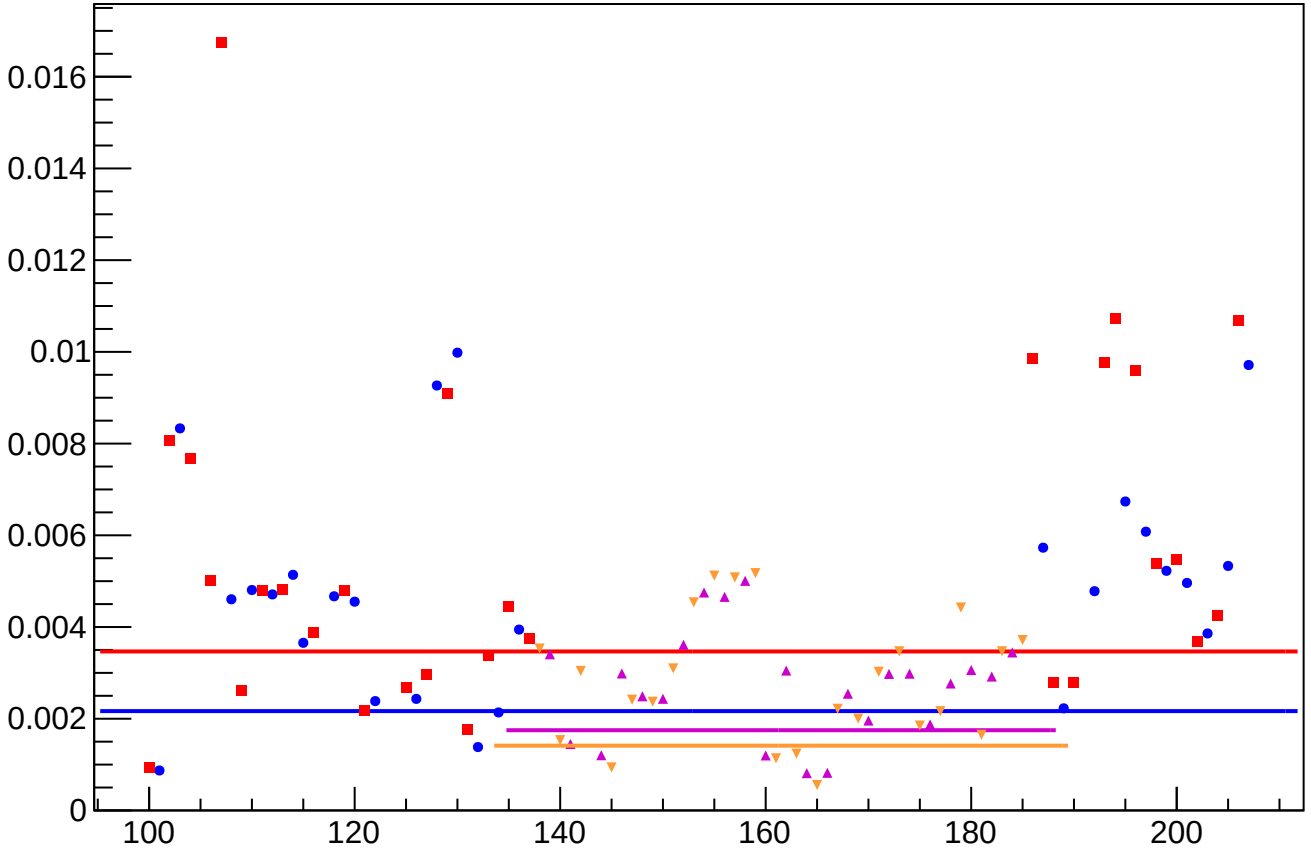
In: 50.145+/-0.007 χ^2/NDF:5774802.9/48

Out: 48.336+/-0.007 χ^2/NDF:7074301.5/52

All: 49.216+/-0.005 χ^2/NDF: 12884054.4/101


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: 31.1/25
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: 66.8/54
In: 0.000+/-0.000 χ²/NDF:48.6/48
Out: -0.000+/-0.000 χ²/NDF:71.6/52
All: -0.000+/-0.000 χ²/NDF: 124.6/101

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: 11622705.7/25

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

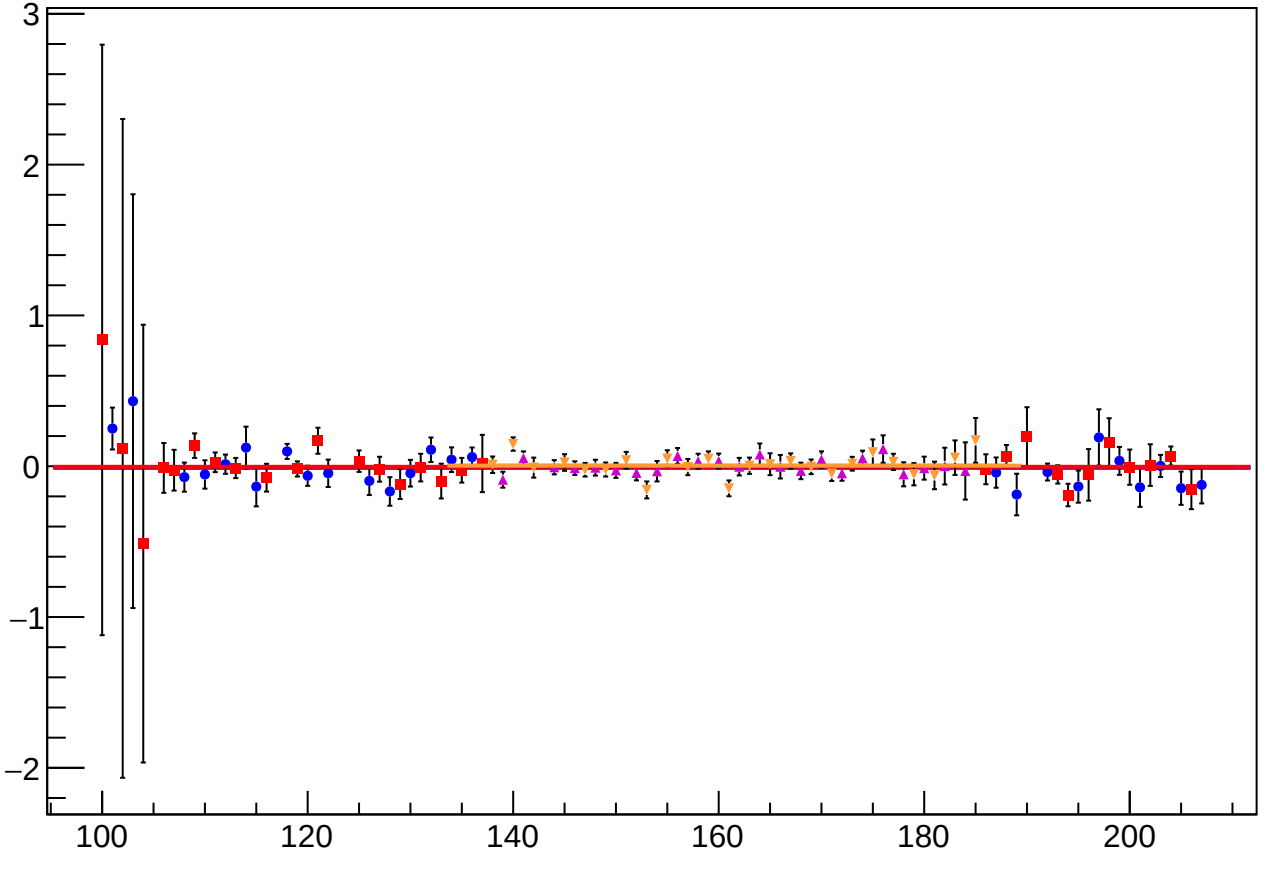
Right: 0.003+/-0.000 χ^2/NDF: 21324340.6/54

In: 0.002+/-0.000 χ^2/NDF:20296038.1/48

Out: 0.002+/-0.000 χ^2/NDF:26075121.5/52

All: 0.002+/-0.000 χ^2/NDF: 46580576.0/101

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 27.5/25

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

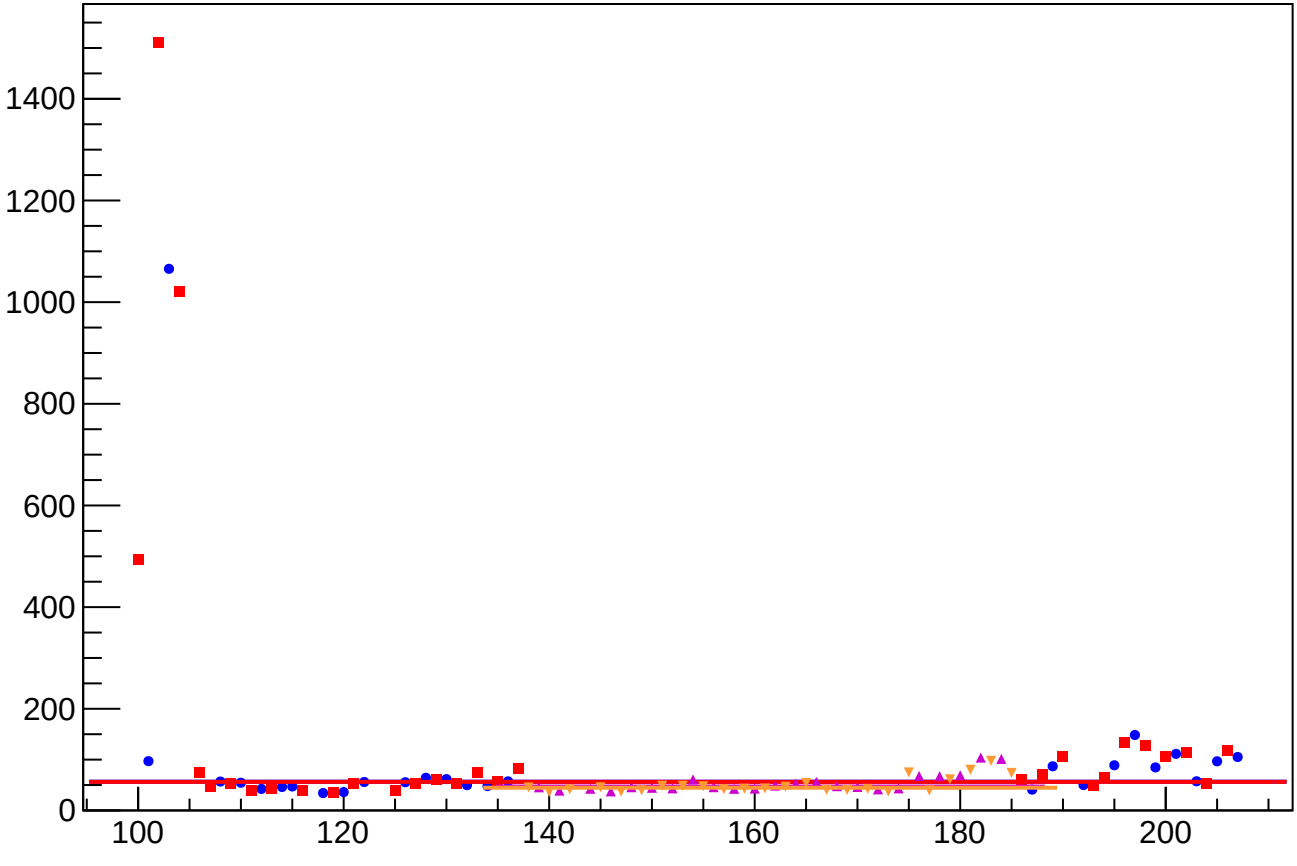
Right: -0.007+/-0.012 χ^2/NDF: 50.8/54

In: -0.001+/-0.010 χ^2/NDF:42.4/48

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.000+/-0.007 χ^2/NDF: 100.8/101

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.619+/-0.012 χ^2/NDF: 3973247.3/25

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

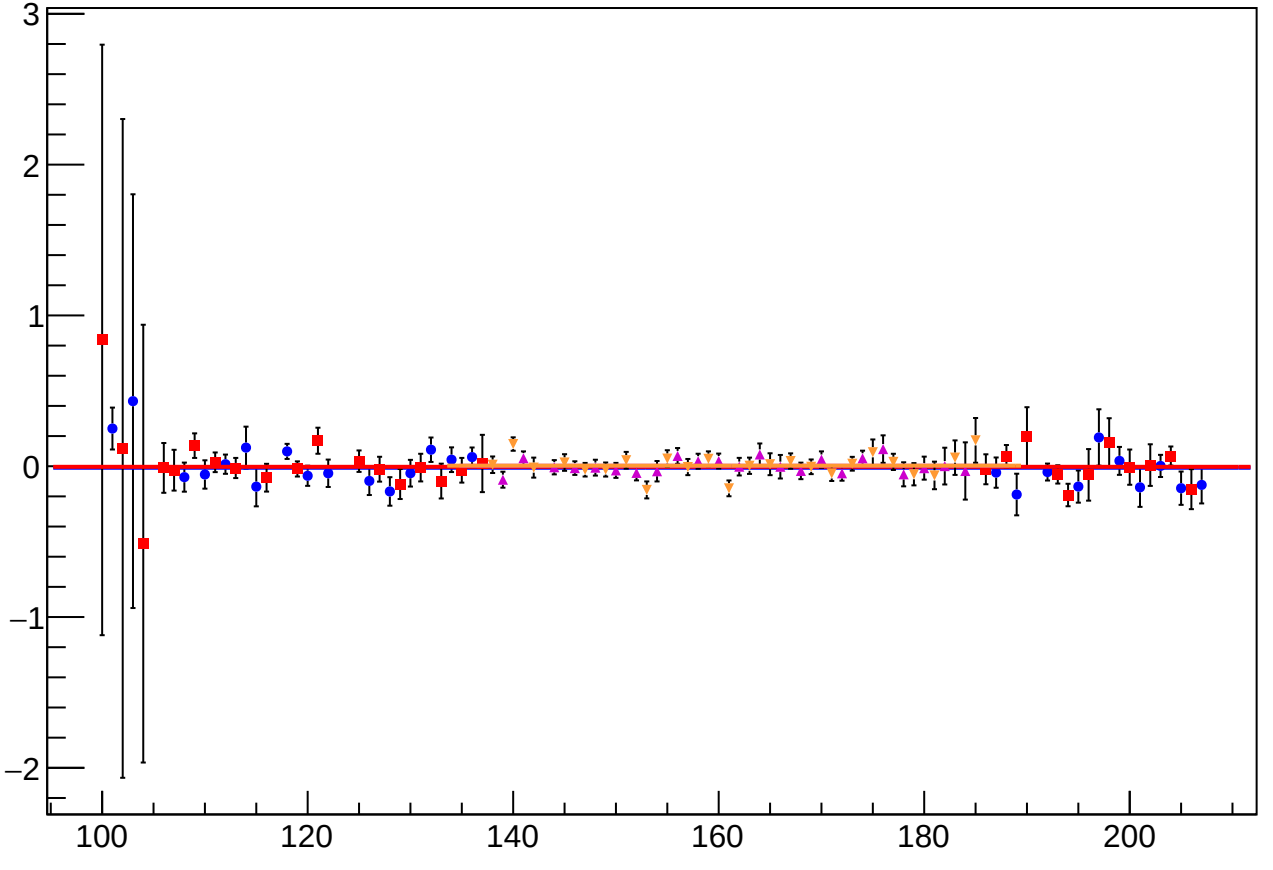
Right: 56.444+/-0.009 χ^2/NDF: 8938552.2/54

In: 50.145+/-0.007 χ^2/NDF:5774923.7/48

Out: 48.336+/-0.007 χ^2/NDF:7074371.3/52

All: 49.215+/-0.005 χ^2/NDF: 12884239.5/101

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.017 χ^2/NDF: 27.5/25

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

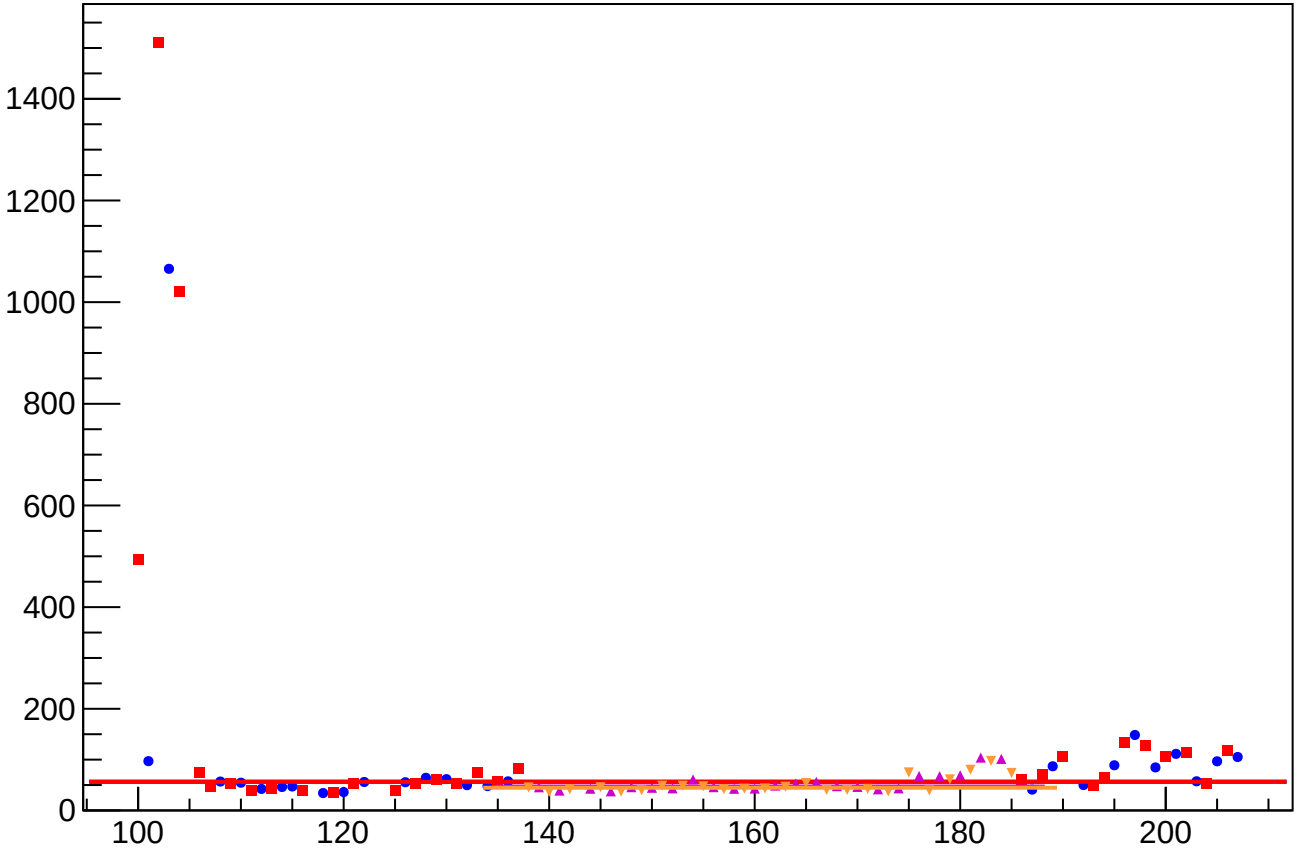
Right: -0.007+/-0.012 χ^2/NDF: 50.8/54

In: -0.001+/-0.010 χ^2/NDF:42.4/48

Out: 0.001+/-0.010 χ^2/NDF:58.4/52

All: 0.000+/-0.007 χ^2/NDF: 100.8/101

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 56.619+/-0.012 χ^2/NDF: 3973247.3/25

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

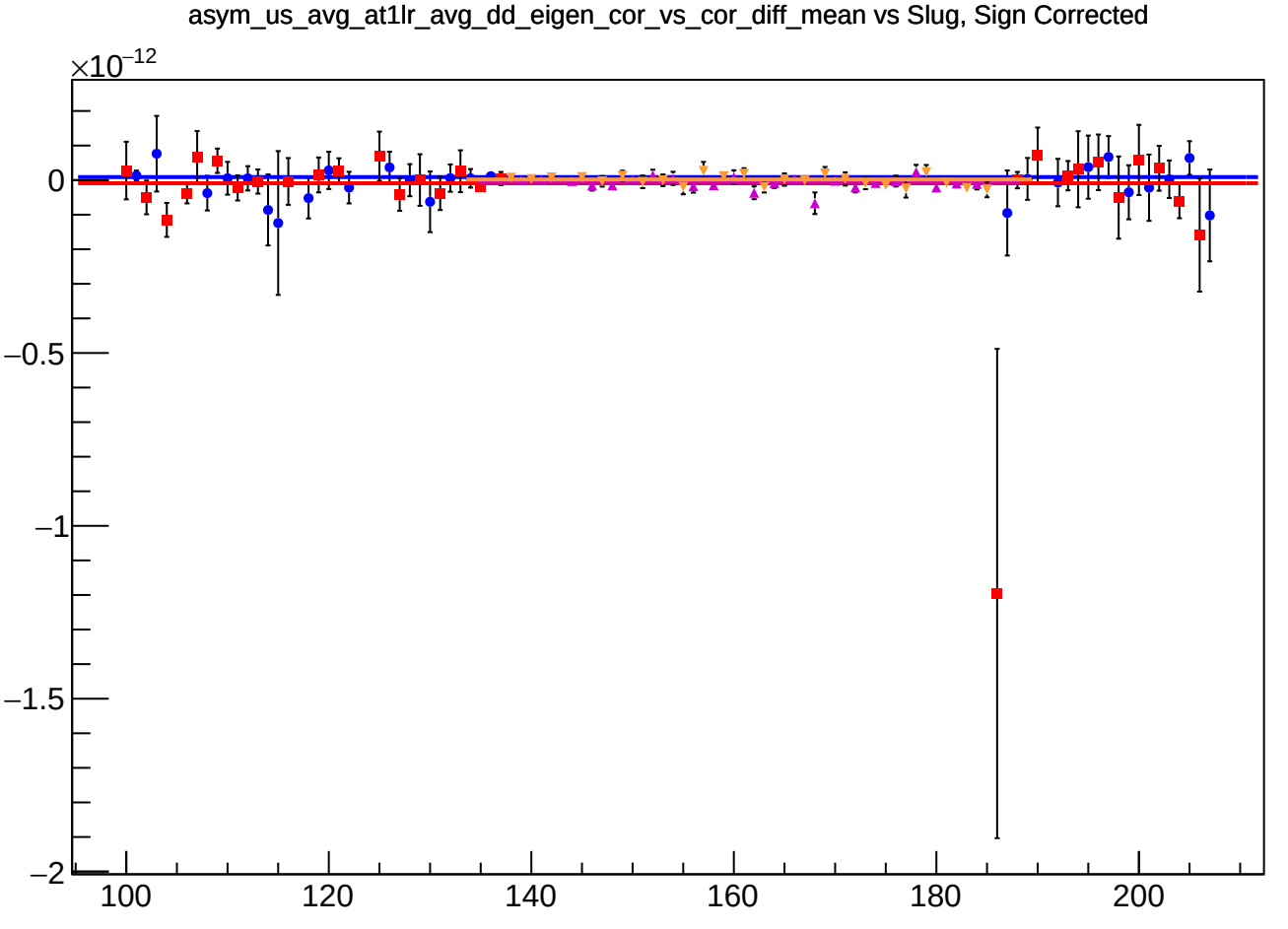
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 56.444+/-0.009 χ^2/NDF: 8938552.2/54

In: 50.145+/-0.007 χ^2/NDF:5774923.7/48

Out: 48.336+/-0.007 χ^2/NDF:7074371.3/52

All: 49.215+/-0.005 χ^2/NDF: 12884239.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/25

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

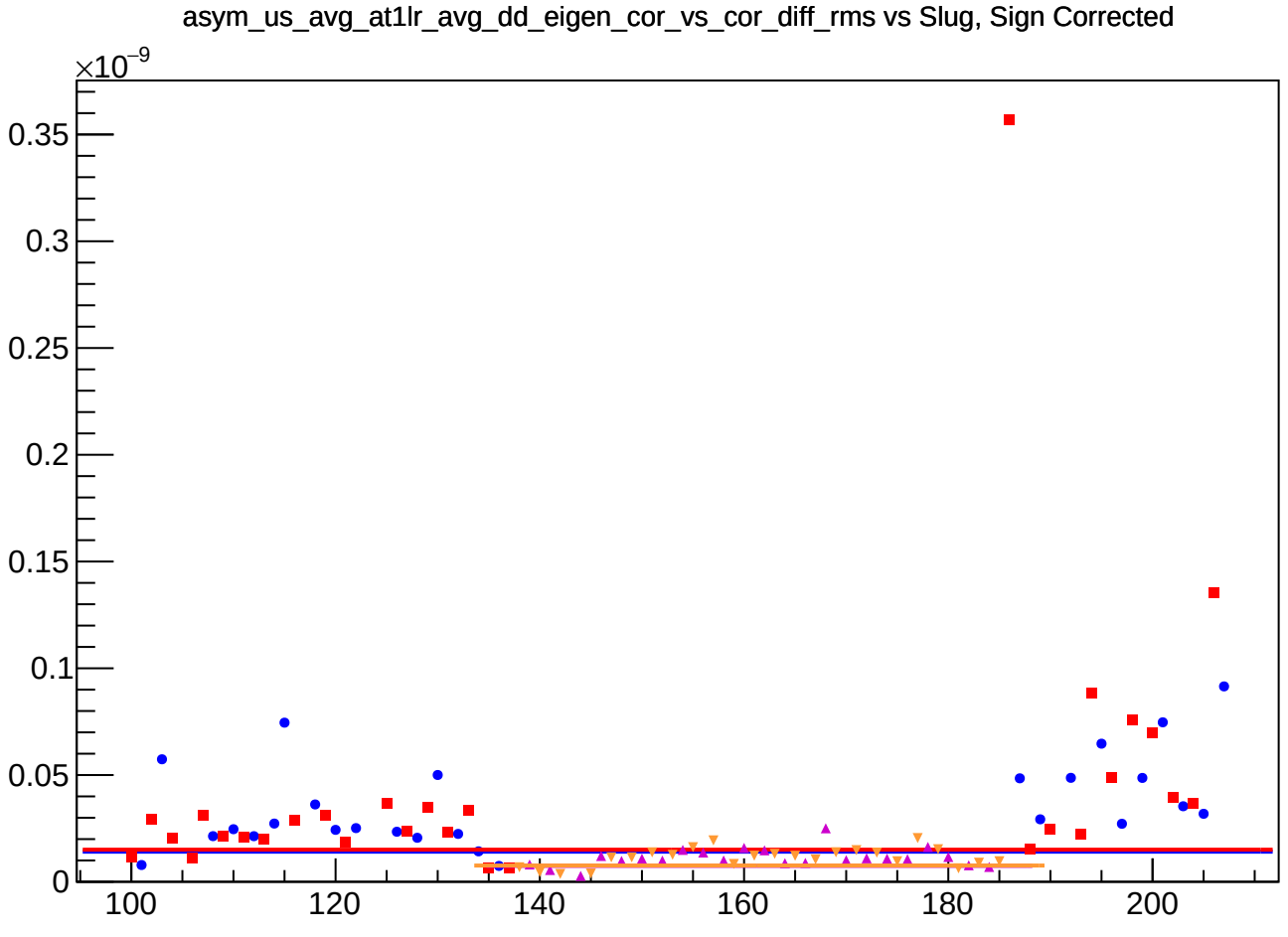
Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

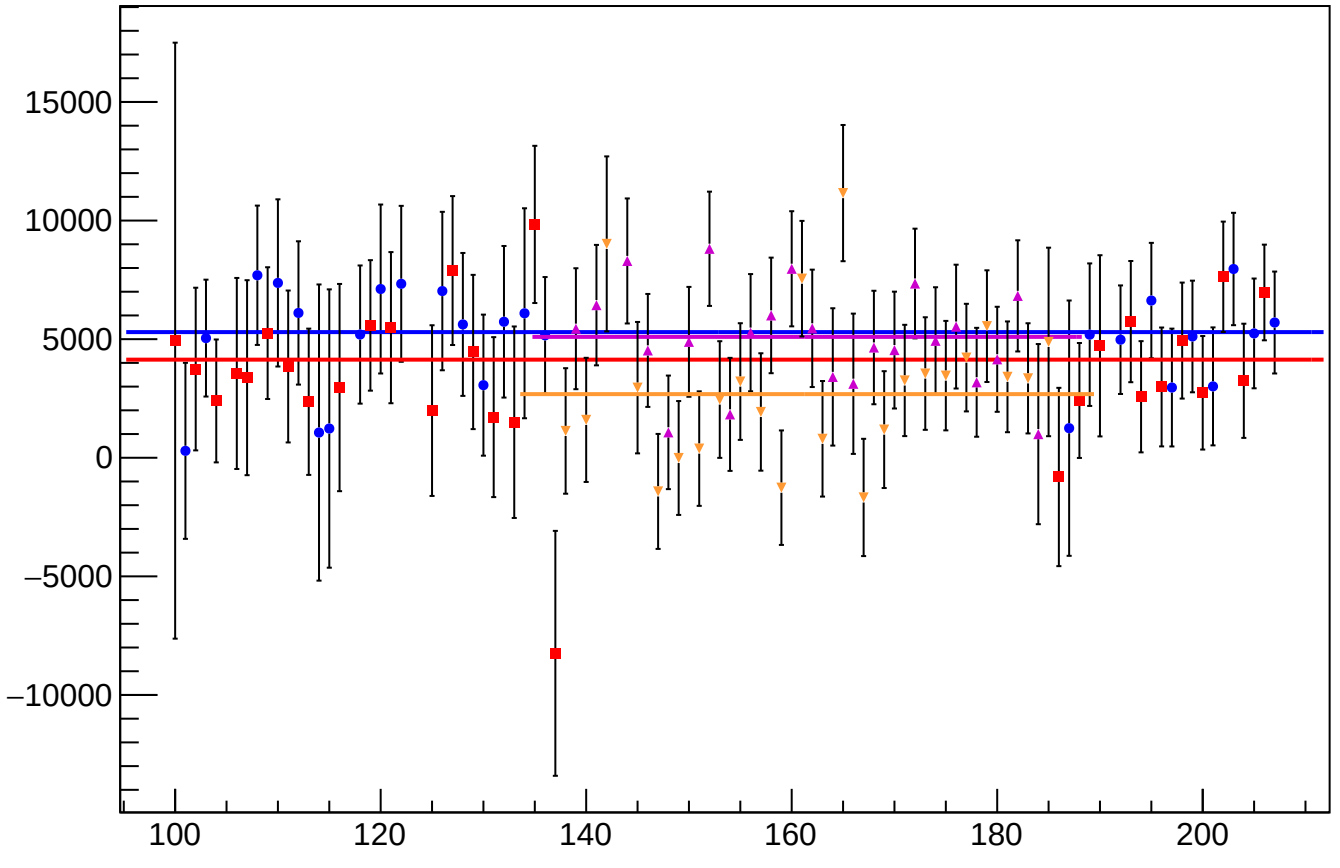
Right: 0.000+/-0.000 χ^2/NDF: 37.6/54

In: -0.000+/-0.000 χ^2/NDF:31.7/48

Out: 0.000+/-0.000 χ^2/NDF:47.2/52

All: -0.000+/-0.000 χ^2/NDF: 80.4/101


asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7111400.5/25
Left Out: 0.000+/-0.000 χ²/NDF:5568430.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 7801305.7/28
Left In: 0.000+/-0.000 χ²/NDF:5978033.2/22
Left: 0.000+/-0.000 χ²/NDF: 11550721.9/46
Right: 0.000+/-0.000 χ²/NDF: 14933689.5/54
In: 0.000+/-0.000 χ²/NDF:14989139.2/48
Out: 0.000+/-0.000 χ²/NDF:15586347.4/52
All: 0.000+/-0.000 χ²/NDF: 30583843.1/101



Right In: 5297.729+/-567.405 χ^2/NDF: 9.3/25

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

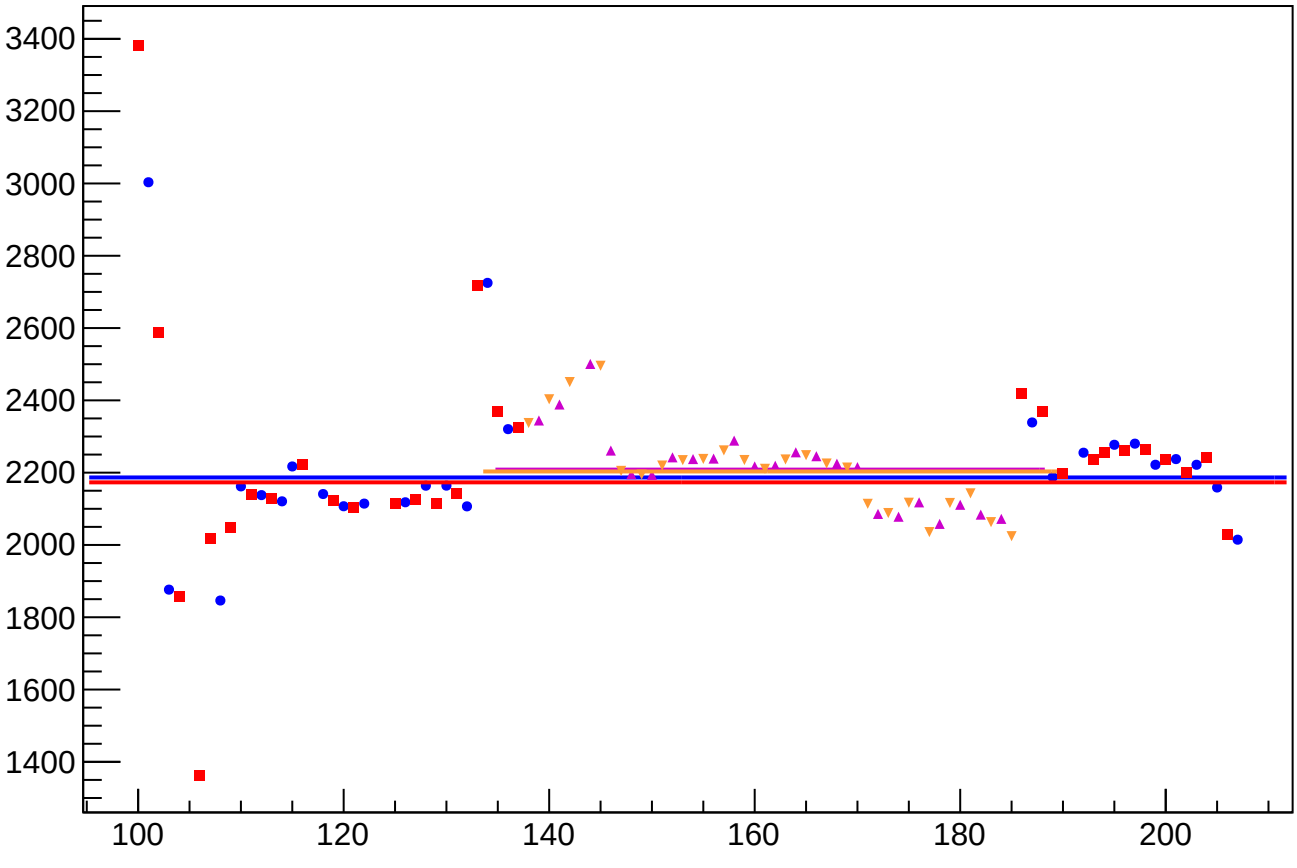
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

Right: 4701.539+/-395.814 χ^2/NDF: 32.6/54

In: 5187.593+/-381.844 χ^2/NDF:24.3/48

Out: 3354.545+/-375.526 χ^2/NDF:55.7/52

All: 4255.779+/-267.743 χ^2/NDF: 91.7/101



Right In: 2186.717+/-0.401 χ^2/NDF: 220476.6/25

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

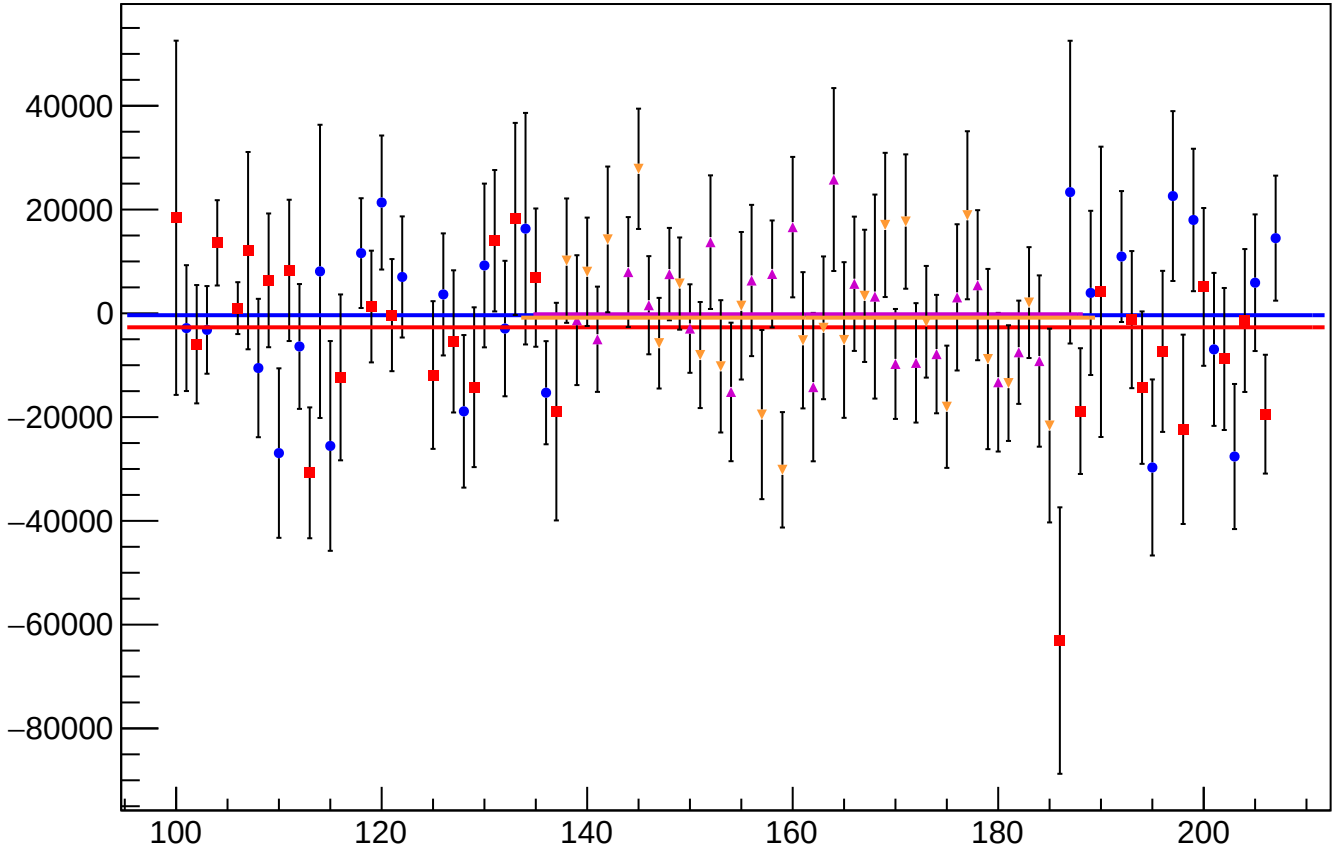
Right: 2179.710+/-0.279 χ^2/NDF: 545280.5/54

In: 2198.569+/-0.270 χ^2/NDF:303065.8/48

Out: 2189.261+/-0.265 χ^2/NDF:415648.5/52

All: 2193.821+/-0.189 χ^2/NDF: 719320.5/101

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -361.859+/-2642.034 χ^2/NDF: 28.7/25

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

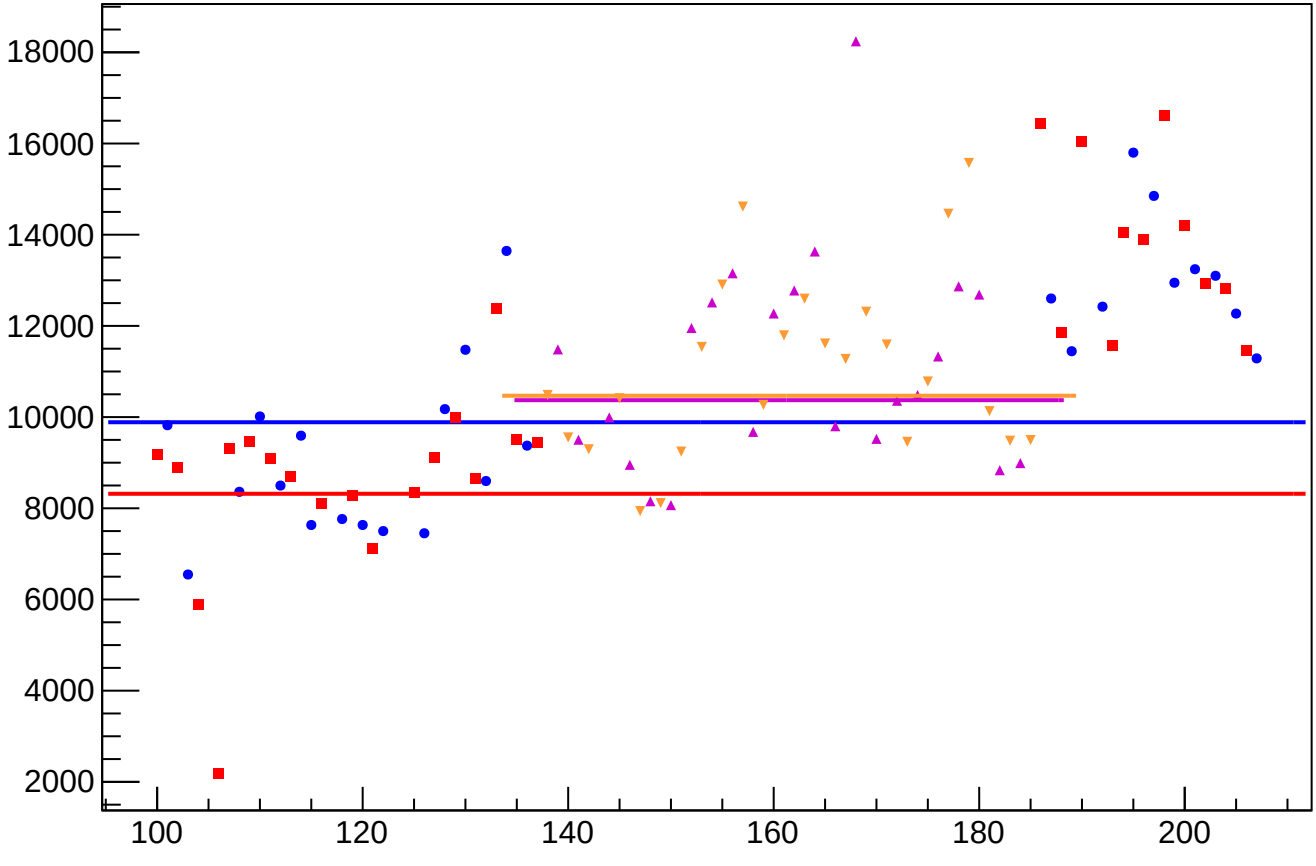
Right: -1677.602+/-1744.626 χ^2/NDF: 58.1/54

In: -266.155+/-1804.785 χ^2/NDF:42.5/48

Out: -1825.463+/-1695.927 χ^2/NDF:58.7/52

All: -1094.250+/-1235.895 χ^2/NDF: 101.6/10

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 9887.183+/-1.868 χ^2/NDF: 1749134.7/25

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

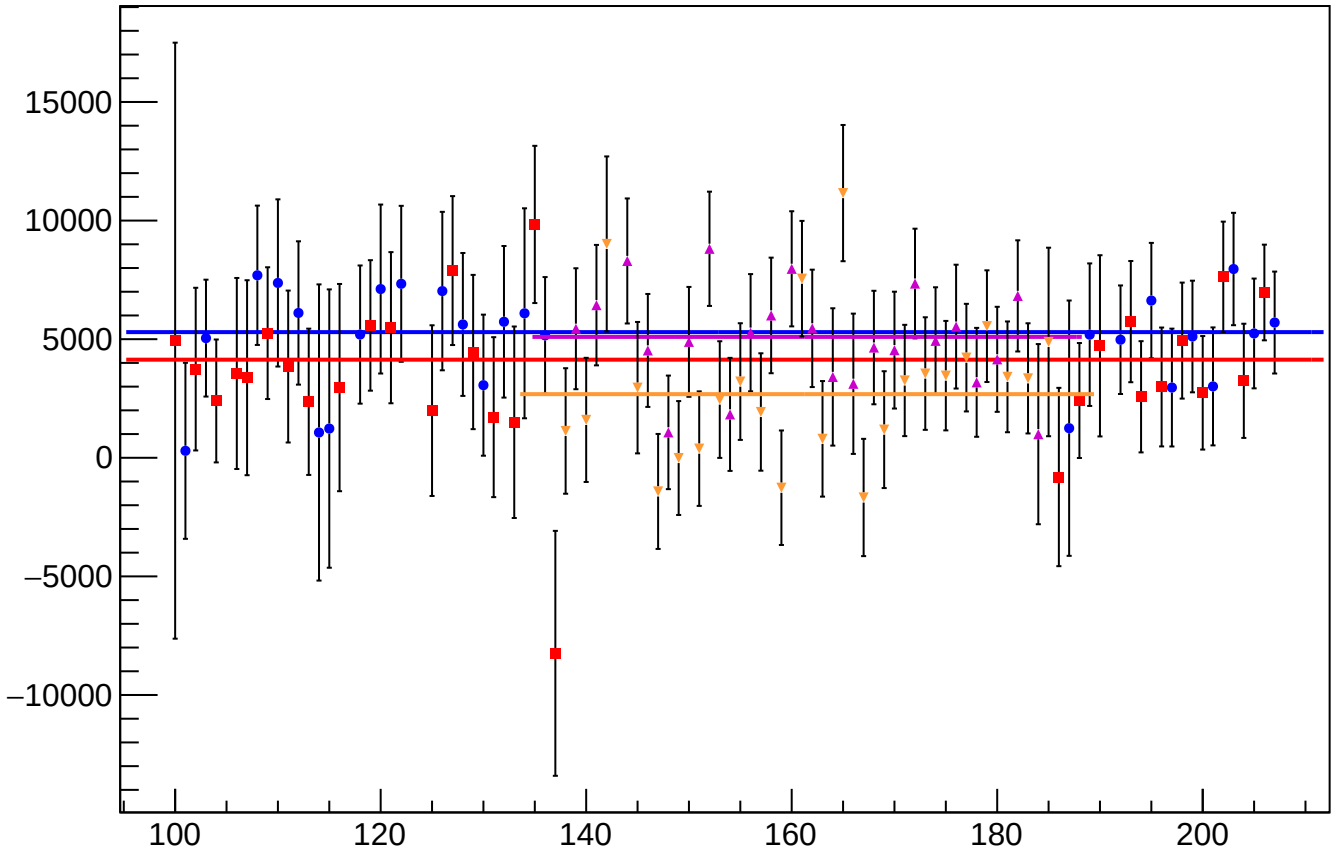
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 9002.432+/-1.234 χ^2/NDF: 8056131.4/54

In: 10145.180+/-1.276 χ^2/NDF:2988649.2/48

Out: 9322.743+/-1.199 χ^2/NDF:7754900.4/52

All: 9708.412+/-0.874 χ^2/NDF: 10964112.8/1



Right In: 5297.773+/-567.405 χ^2/NDF: 9.3/25

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

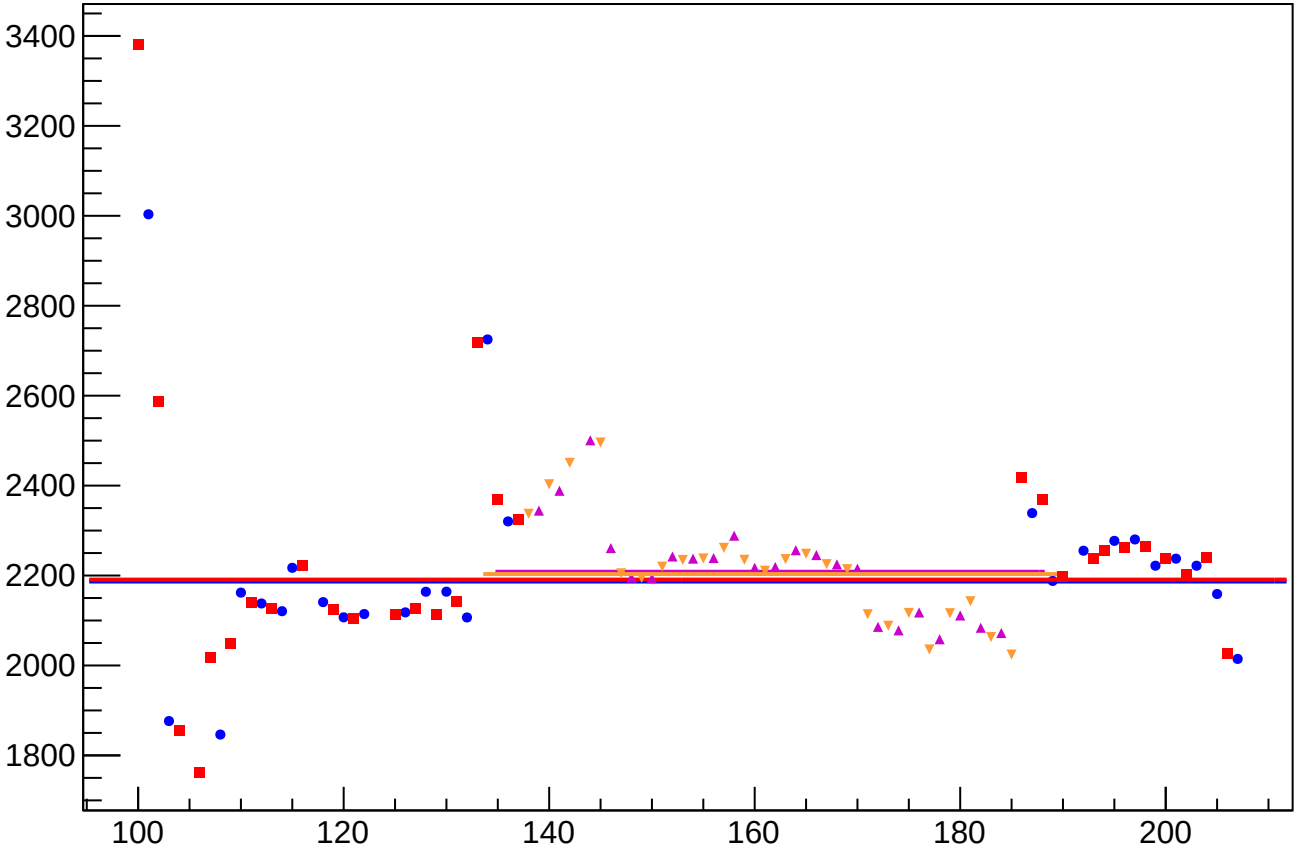
Right: 4701.494+/-395.814 χ^2/NDF: 32.6/54

In: 5187.562+/-381.844 χ^2/NDF:24.3/48

Out: 3354.443+/-375.526 χ^2/NDF:55.7/52

All: 4255.712+/-267.743 χ^2/NDF: 91.7/101

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2186.717+/-0.401 χ^2/NDF: 220477.0/25

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

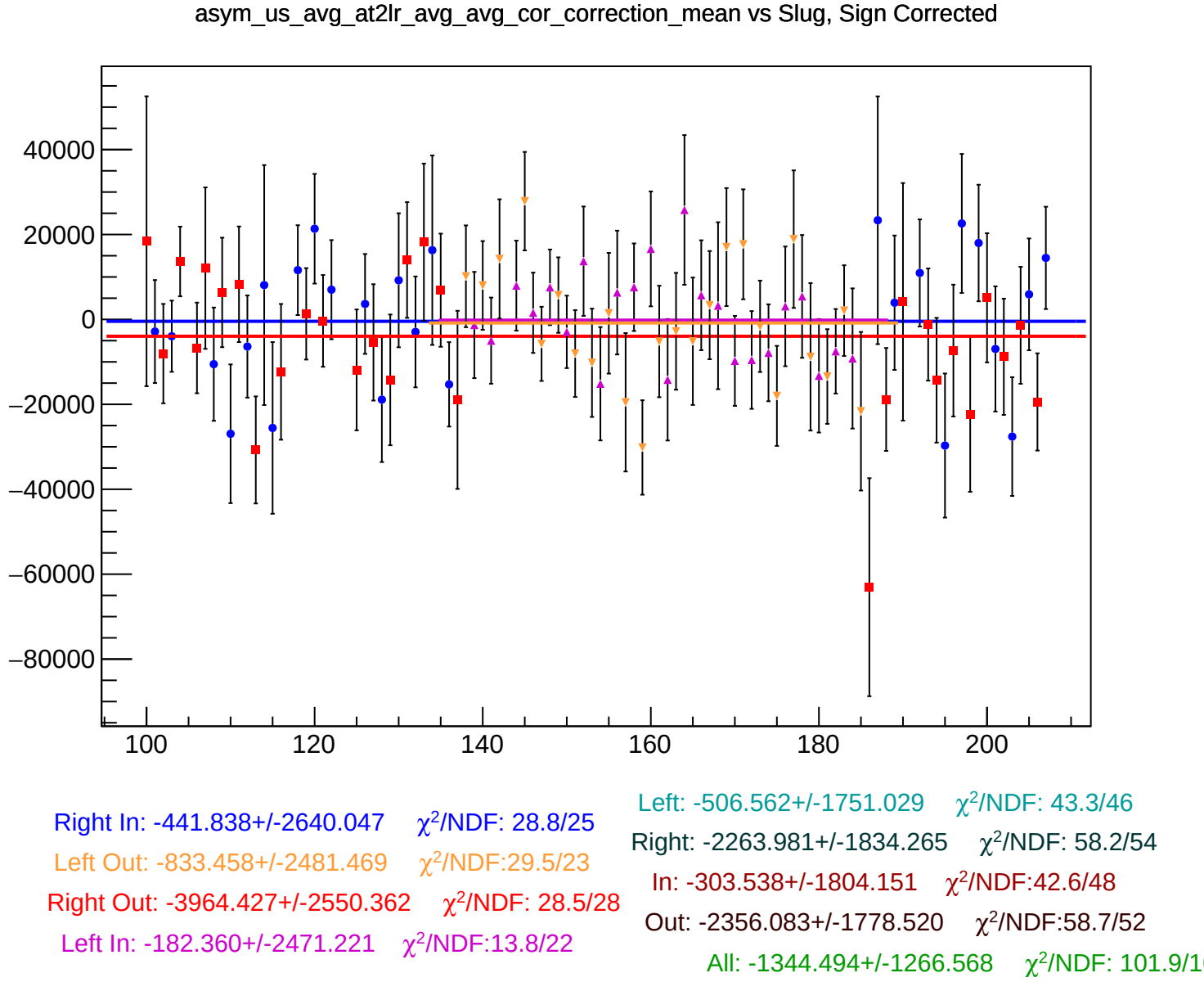
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2188.891+/-0.280 χ^2/NDF: 422692.1/54

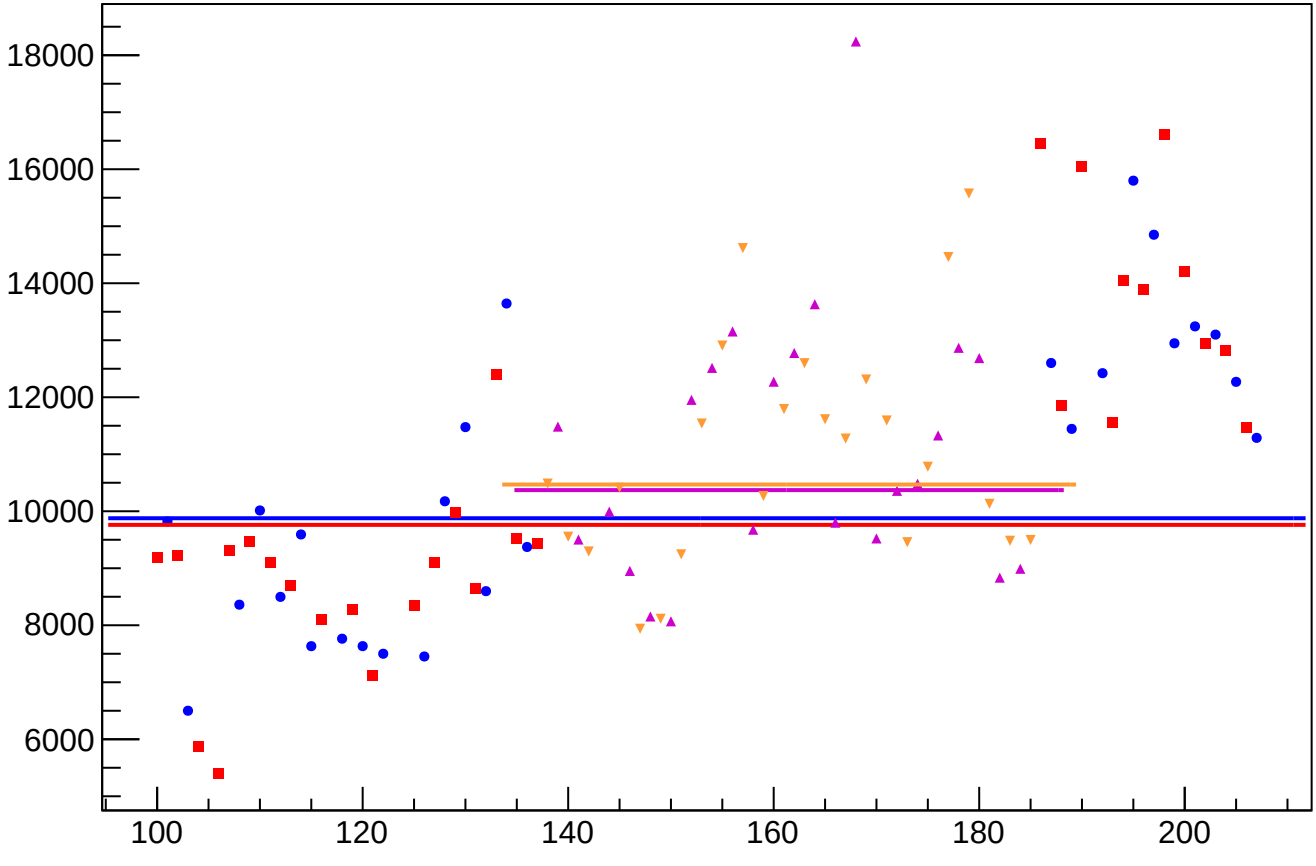
In: 2198.569+/-0.270 χ^2/NDF:303066.2/48

Out: 2197.574+/-0.265 χ^2/NDF:290905.7/52

All: 2198.062+/-0.189 χ^2/NDF: 593978.8/101


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: -441.838+/-2640.047 χ²/NDF: 28.8/25
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: -2263.981+/-1834.265 χ²/NDF: 58.2/54
In: -303.538+/-1804.151 χ²/NDF:42.6/48
Out: -2356.083+/-1778.520 χ²/NDF:58.7/52
All: -1344.494+/-1266.568 χ²/NDF: 101.9/10

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 9877.453+/-1.867 χ^2/NDF: 1762954.9/25

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

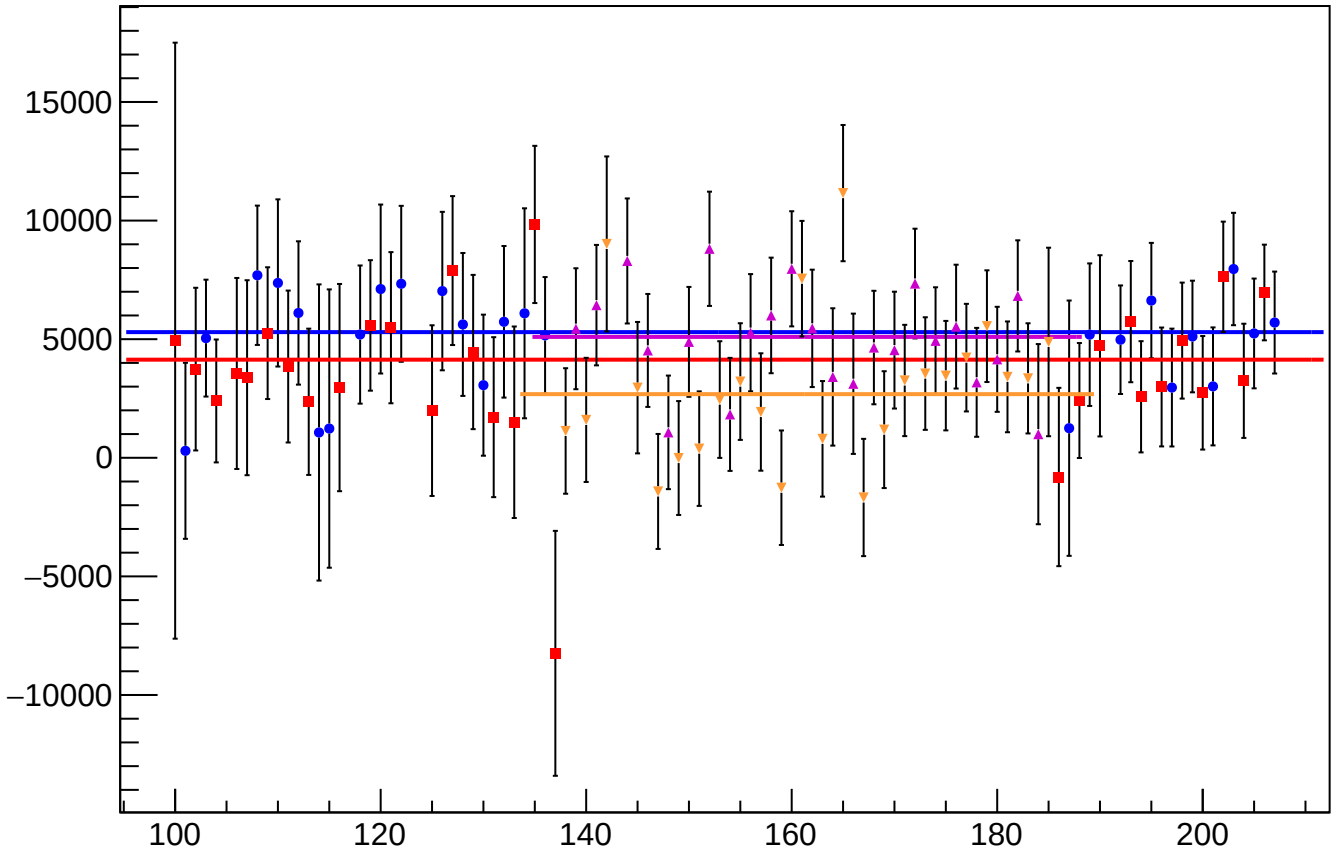
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9817.307+/-1.297 χ^2/NDF: 4179544.3/54

In: 10140.450+/-1.276 χ^2/NDF:3003956.7/48

Out: 10124.612+/-1.258 χ^2/NDF:3538904.8/52

All: 10132.418+/-0.896 χ^2/NDF: 6542939.6/1



Right In: 5297.773+/-567.405 χ^2/NDF: 9.3/25

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

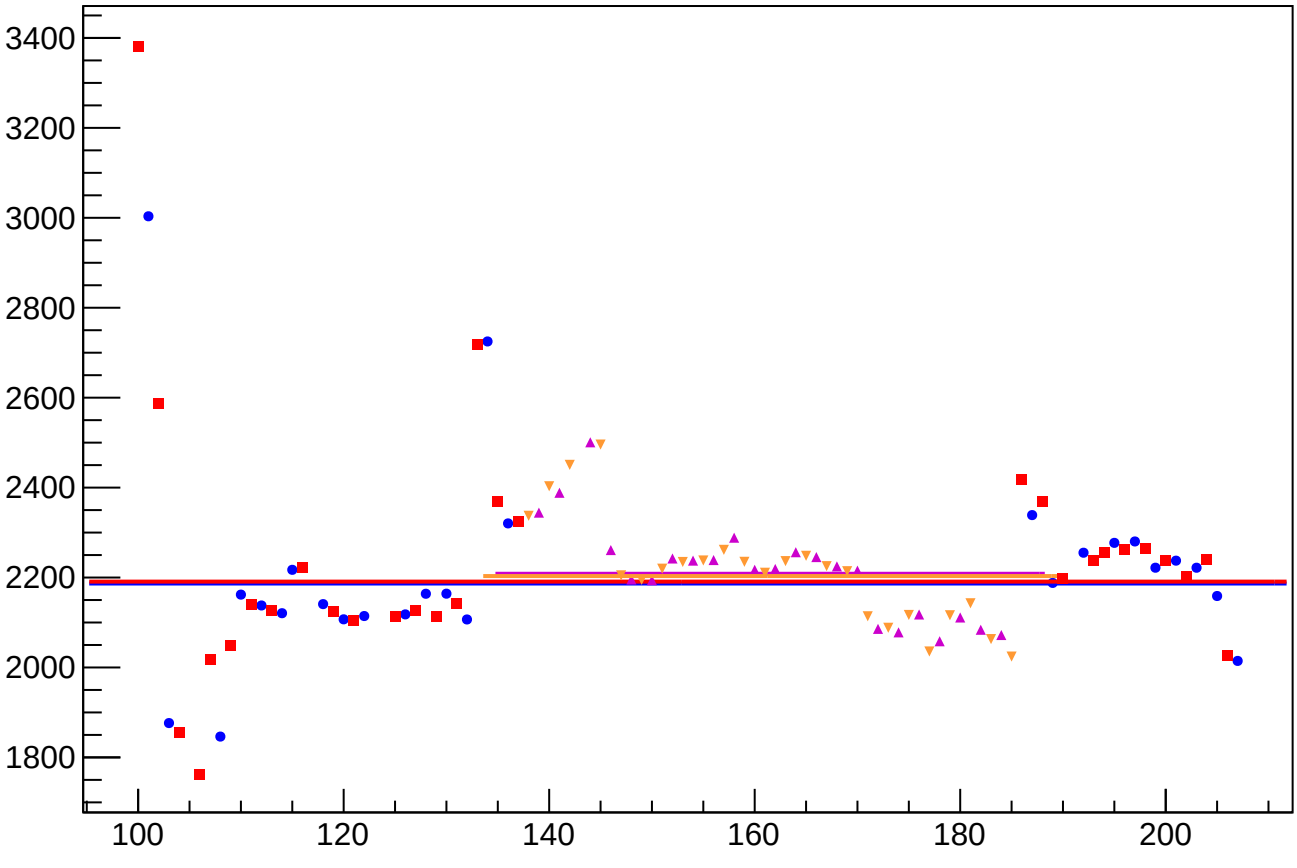
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4701.494+/-395.814 χ^2/NDF: 32.6/54

In: 5187.562+/-381.844 χ^2/NDF:24.3/48

Out: 3354.443+/-375.526 χ^2/NDF:55.7/52

All: 4255.712+/-267.743 χ^2/NDF: 91.7/101



Right In: 2186.717+/-0.401 χ^2/NDF: 220477.0/25

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

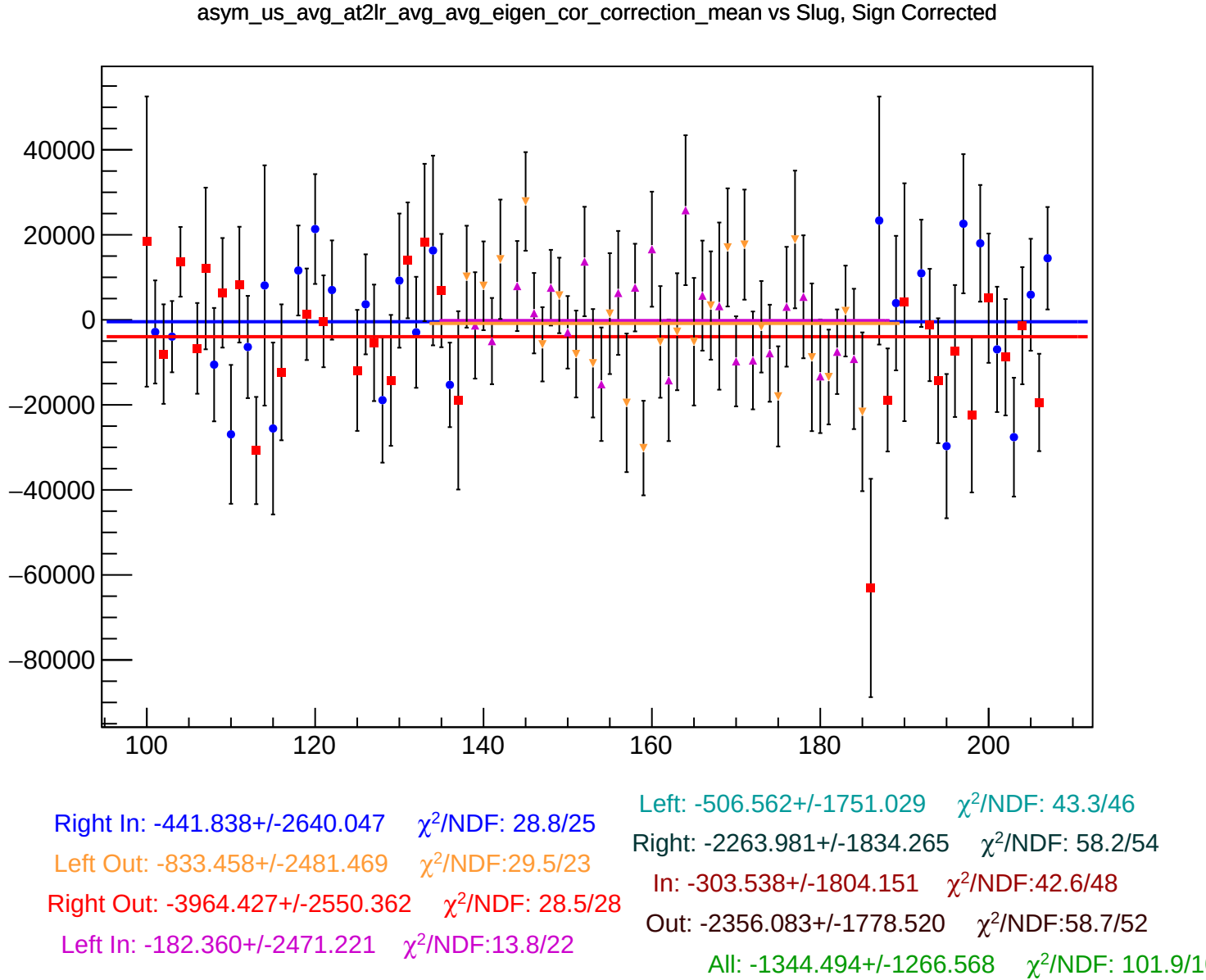
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2188.891+/-0.280 χ^2/NDF: 422692.1/54

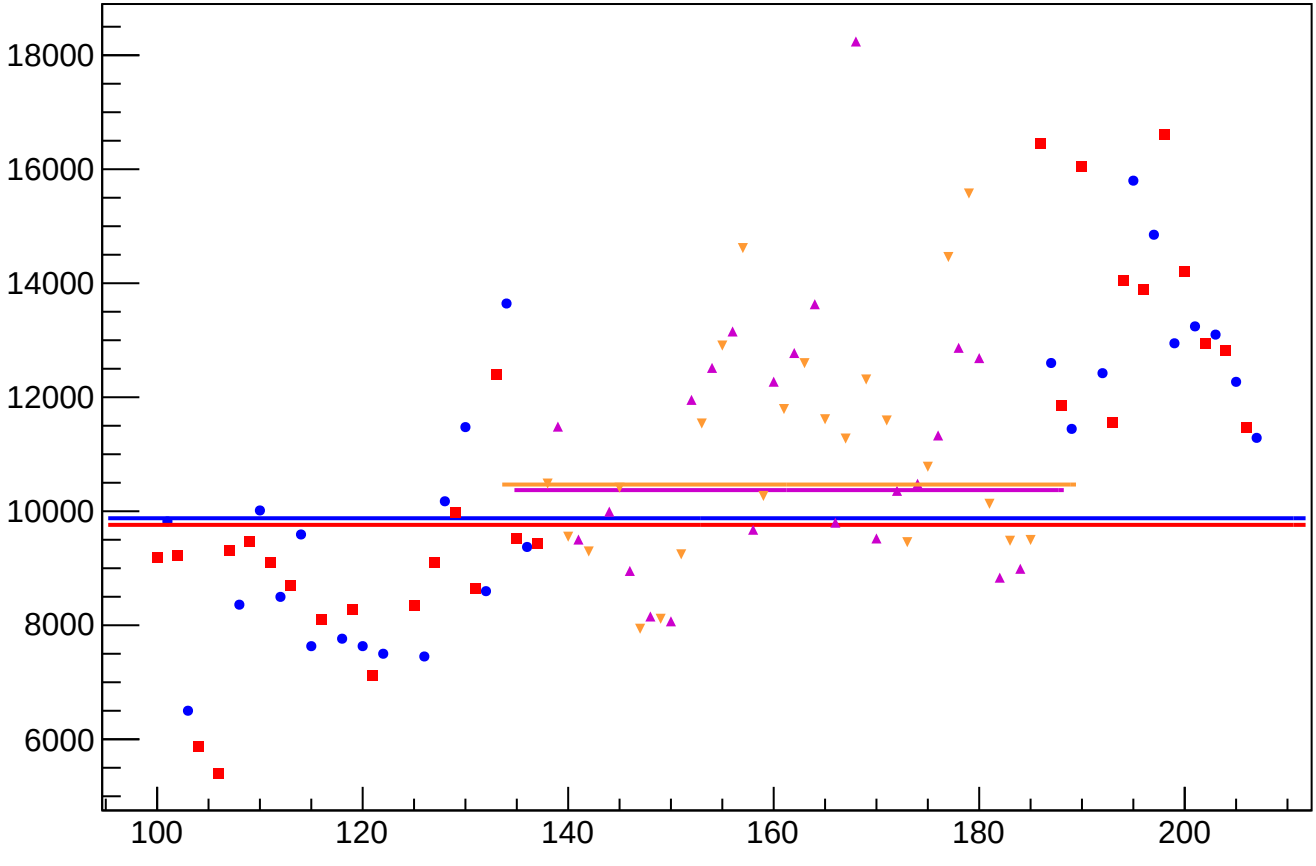
In: 2198.569+/-0.270 χ^2/NDF:303066.2/48

Out: 2197.574+/-0.265 χ^2/NDF:290905.7/52

All: 2198.062+/-0.189 χ^2/NDF: 593978.8/101


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: -441.838+/-2640.047 χ²/NDF: 28.8/25
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: -2263.981+/-1834.265 χ²/NDF: 58.2/54
In: -303.538+/-1804.151 χ²/NDF:42.6/48
Out: -2356.083+/-1778.520 χ²/NDF:58.7/52
All: -1344.494+/-1266.568 χ²/NDF: 101.9/10

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 9877.453+/-1.867 χ^2/NDF: 1762954.9/25

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

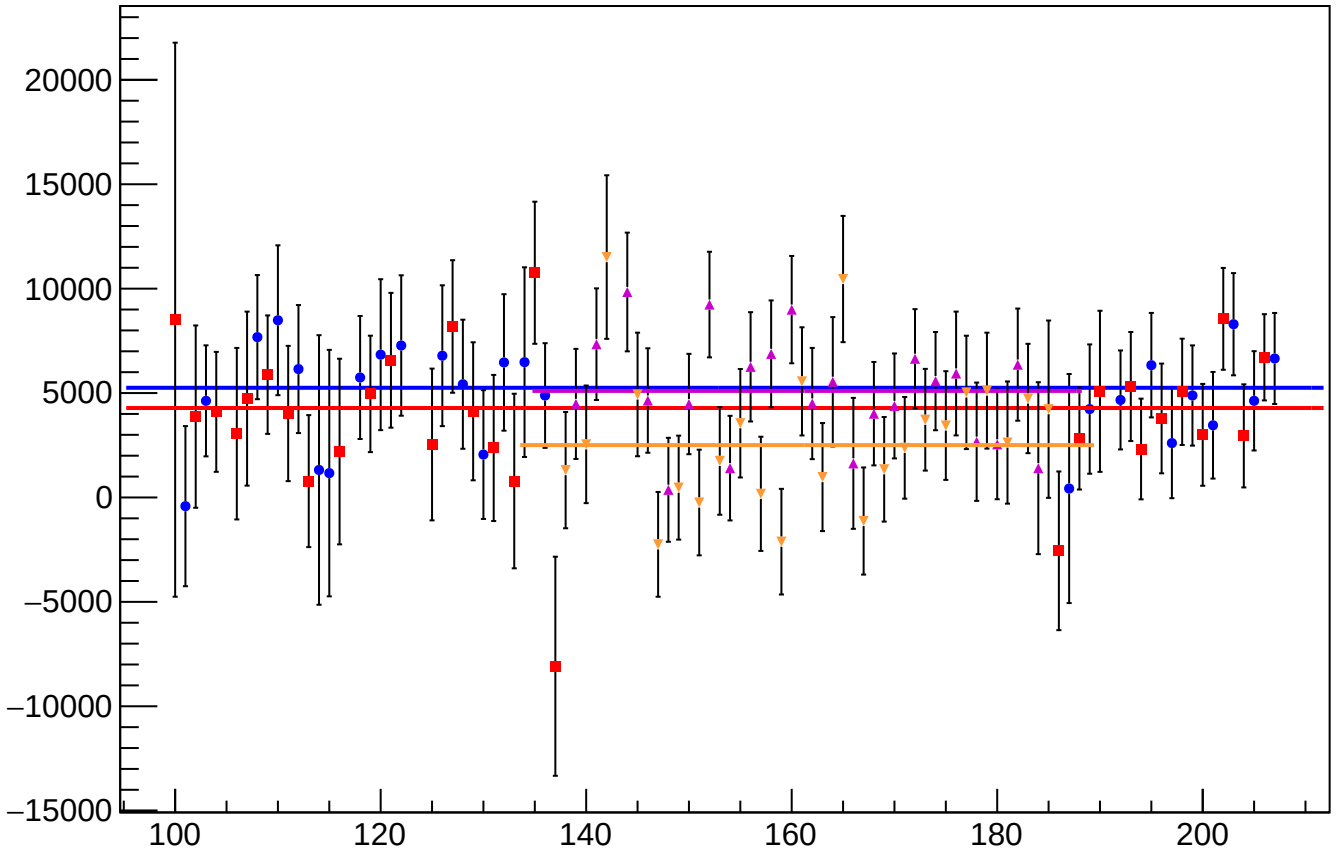
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9817.307+/-1.297 χ^2/NDF: 4179544.3/54

In: 10140.450+/-1.276 χ^2/NDF:3003956.7/48

Out: 10124.612+/-1.258 χ^2/NDF:3538904.8/52

All: 10132.418+/-0.896 χ^2/NDF: 6542939.6/1



Right In: 5252.496+/-583.327 χ^2/NDF: 11.4/25

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

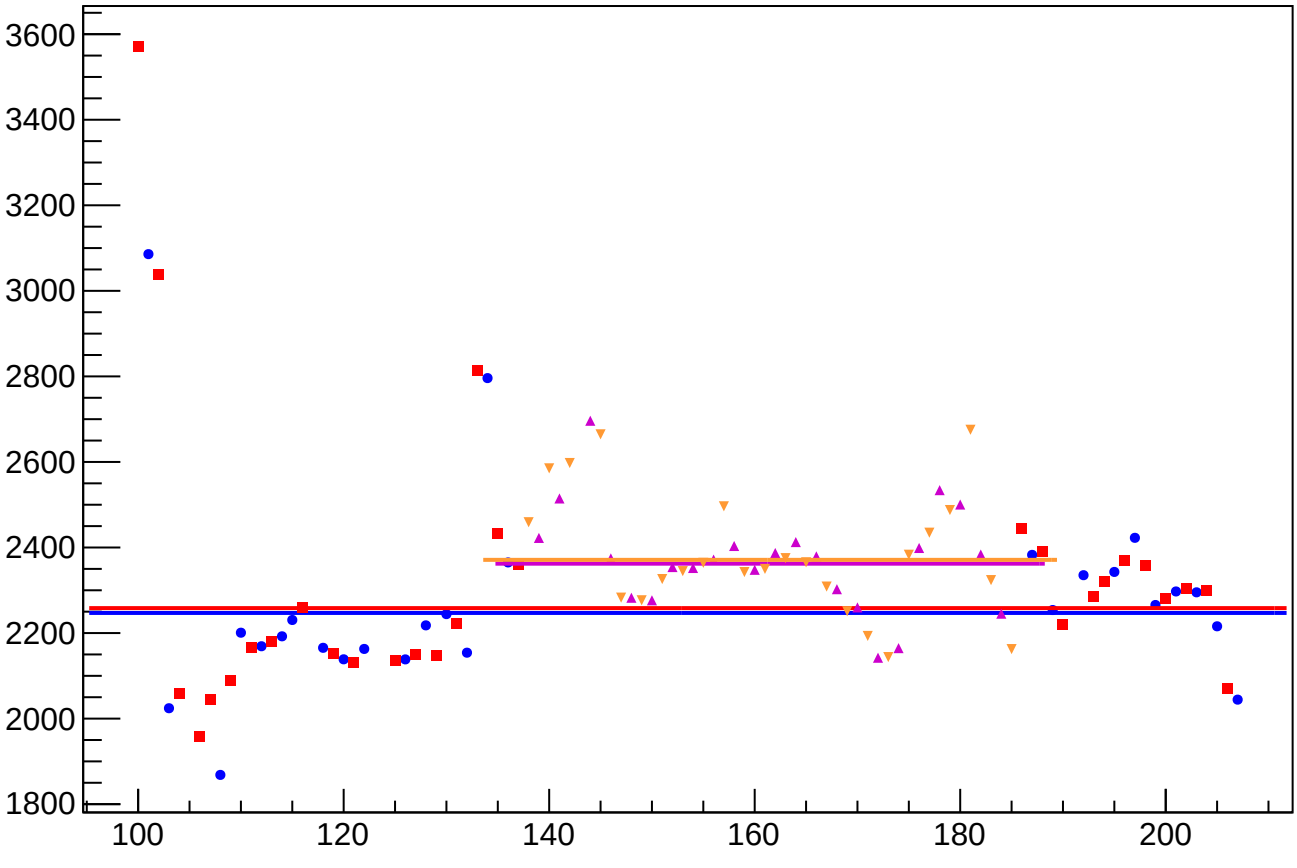
Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

Right: 4757.261+/-407.738 χ^2/NDF: 36.9/54

In: 5173.701+/-401.164 χ^2/NDF:31.4/48

Out: 3367.207+/-396.438 χ^2/NDF:58.9/52

All: 4259.750+/-281.980 χ^2/NDF: 100.5/101



Right In: 2247.033+/-0.412 χ^2/NDF: 221219.6/25

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

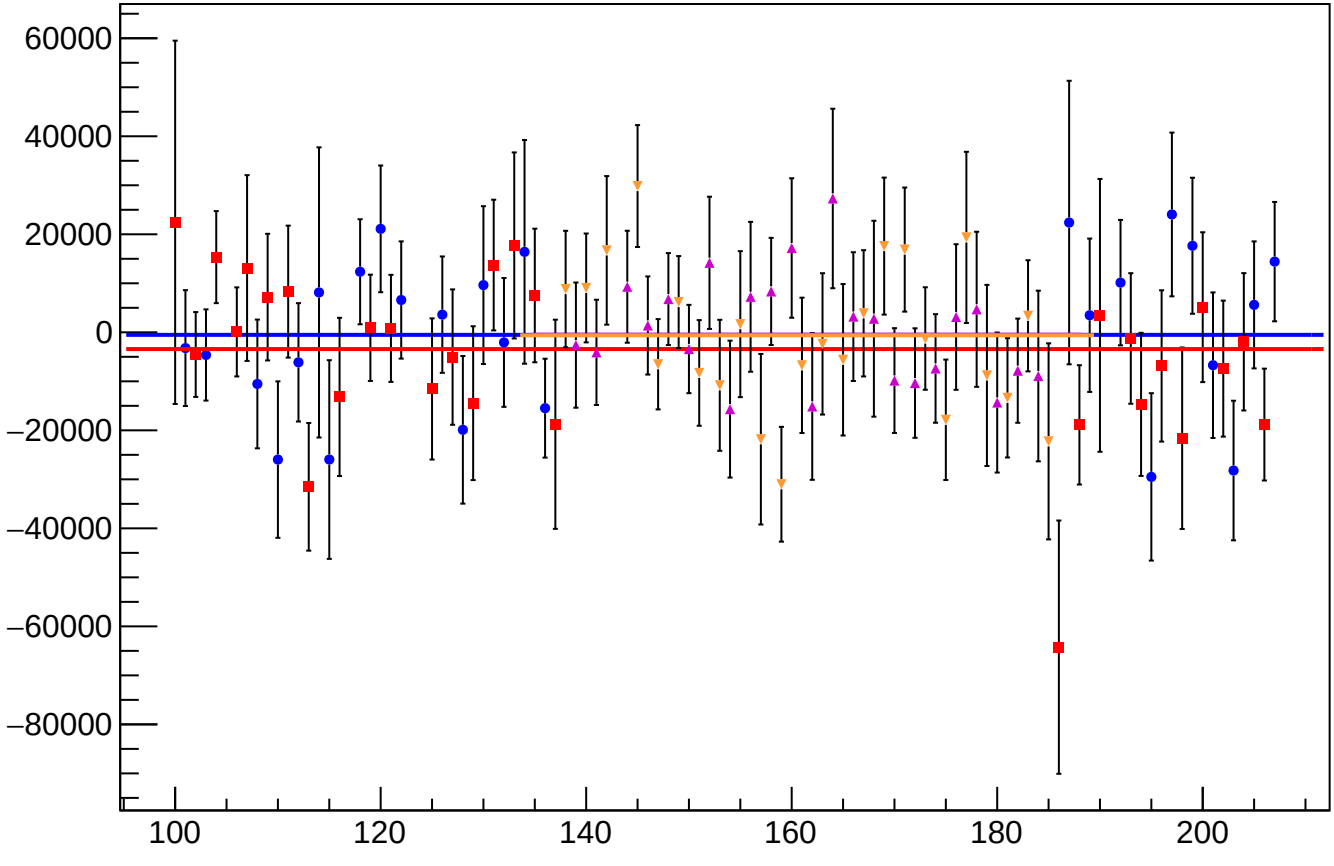
Right: 2252.805+/-0.288 χ^2/NDF: 432515.5/54

In: 2307.741+/-0.284 χ^2/NDF:354216.8/48

Out: 2316.576+/-0.280 χ^2/NDF:367671.1/52

All: 2312.211+/-0.199 χ^2/NDF: 722378.8/101

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -518.308+/-2680.577 χ^2/NDF: 28.6/25

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

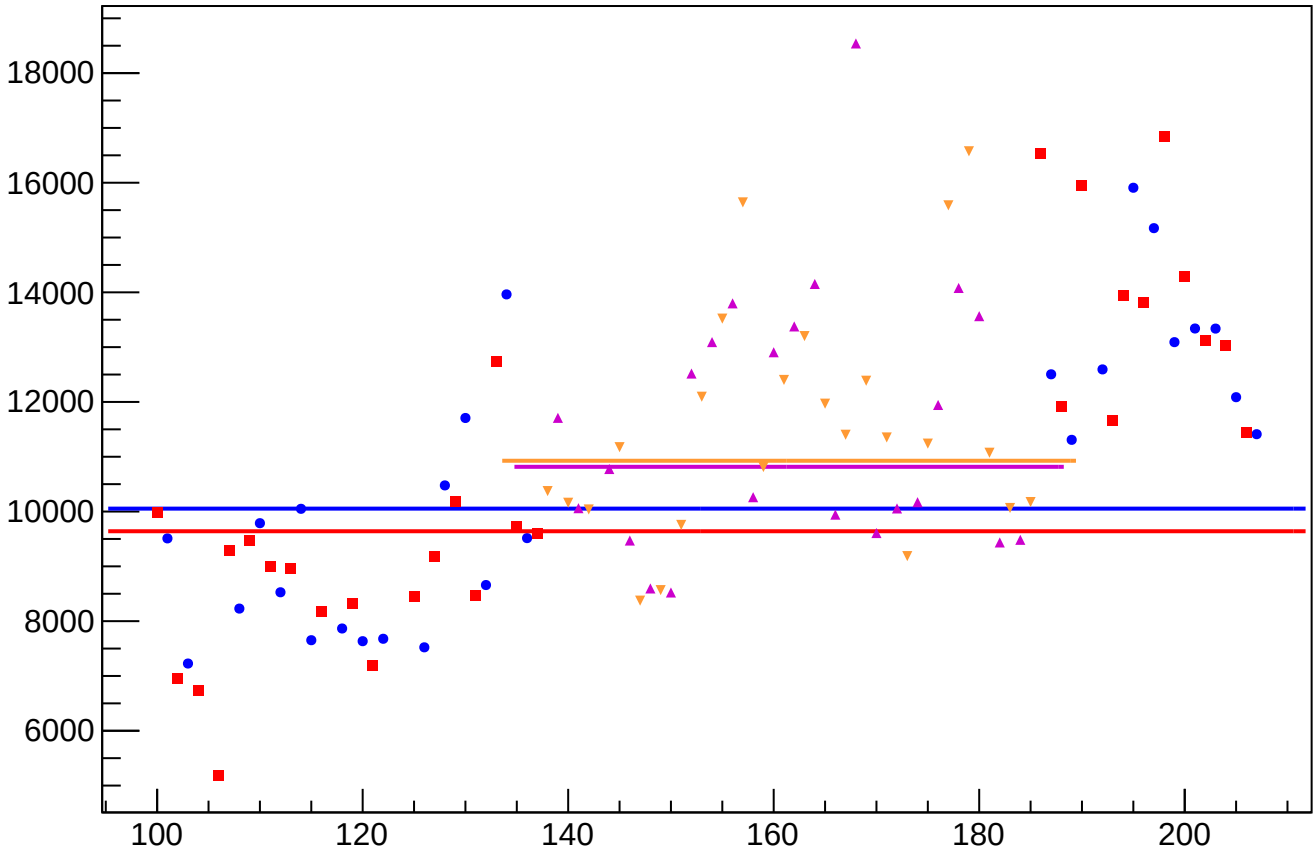
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -2058.012+/-1835.142 χ^2/NDF: 57.4/54

In: -503.621+/-1857.832 χ^2/NDF:42.1/48

Out: -2051.982+/-1805.254 χ^2/NDF:57.6/52

All: -1300.021+/-1294.696 χ^2/NDF: 100.1/10



Right In: 10053.443+/-1.895 χ^2/NDF: 1623390.1/25

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

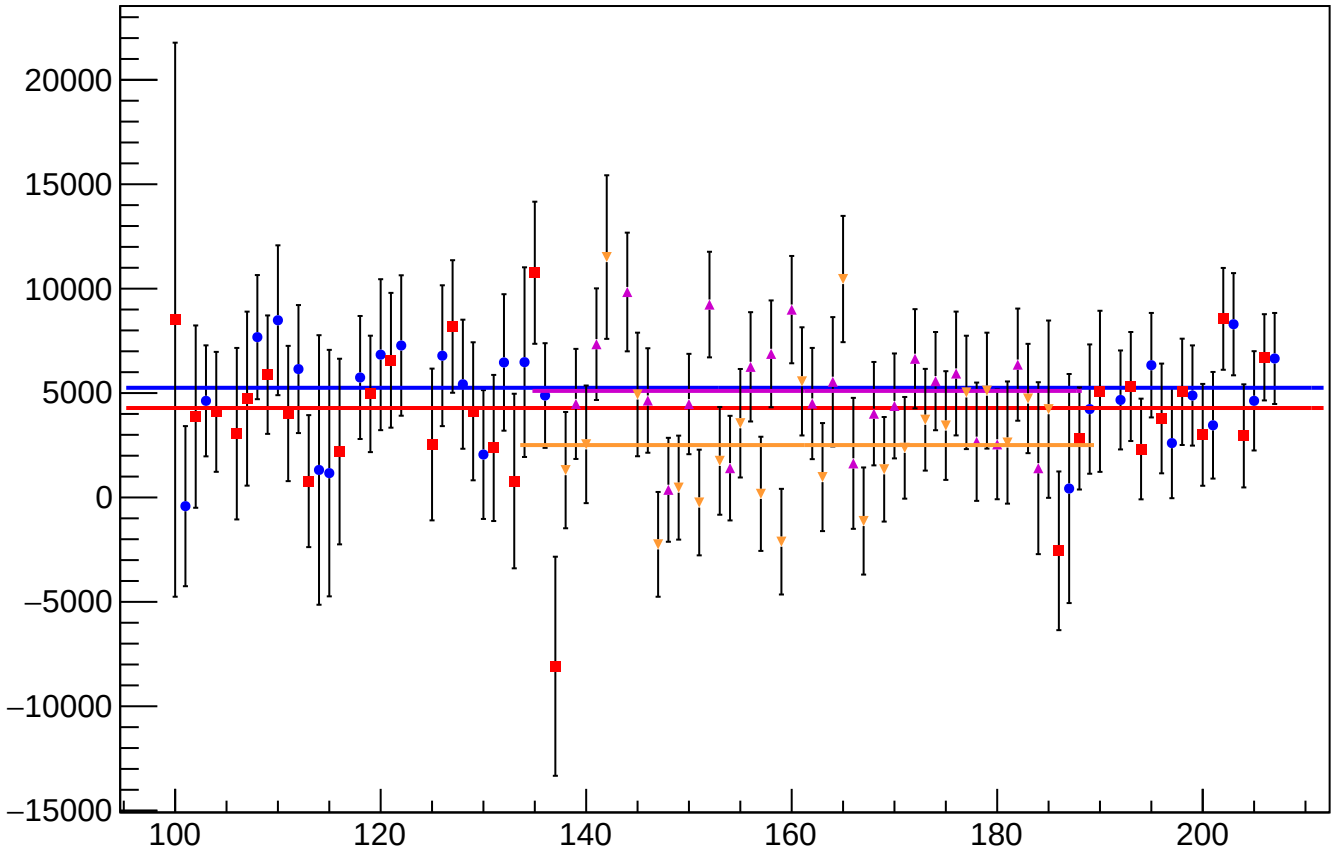
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 9834.114+/-1.298 χ^2/NDF: 4218351.3/54

In: 10449.873+/-1.314 χ^2/NDF:2904388.3/48

Out: 10265.552+/-1.277 χ^2/NDF:3880708.0/52

All: 10355.067+/-0.915 χ^2/NDF: 6795222.0/1



Right In: 5252.491+/-583.327 χ^2/NDF: 11.4/25

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

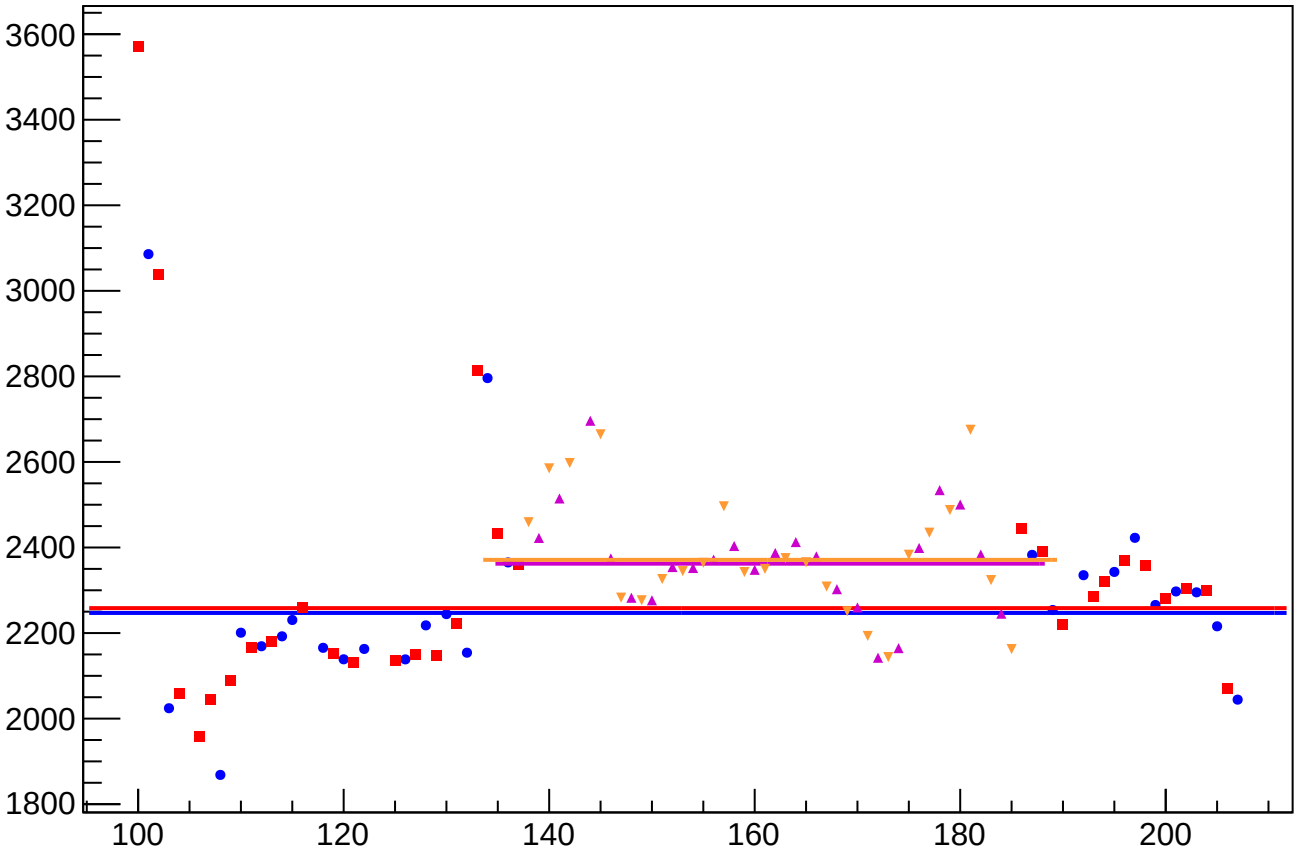
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4757.256+/-407.737 χ^2/NDF: 36.9/54

In: 5173.700+/-401.164 χ^2/NDF:31.4/48

Out: 3367.199+/-396.438 χ^2/NDF:58.9/52

All: 4259.745+/-281.980 χ^2/NDF: 100.5/101



Right In: 2247.033+/-0.412 χ^2/NDF: 221219.8/25

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

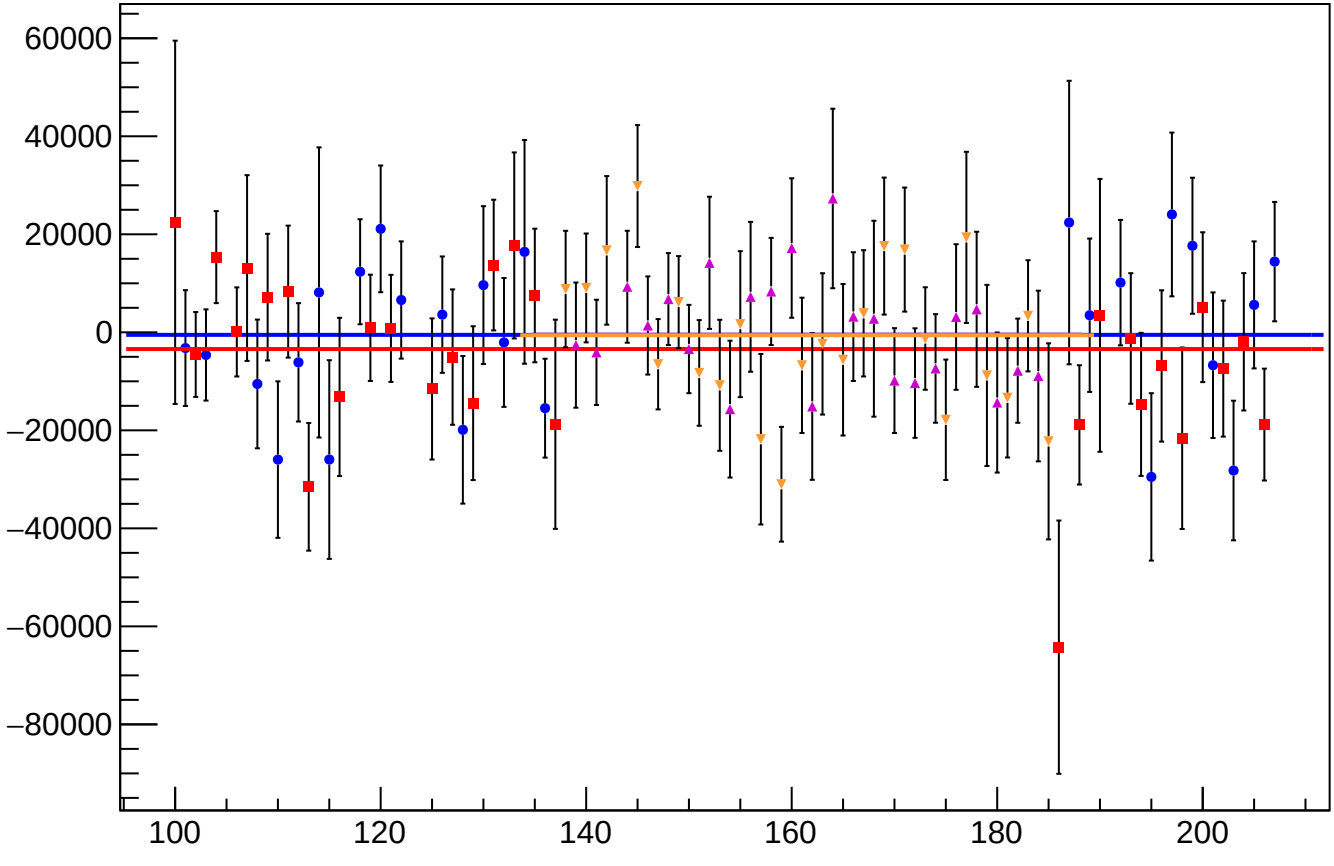
Right: 2252.805+/-0.288 χ^2/NDF: 432516.3/54

In: 2307.742+/-0.284 χ^2/NDF:354224.1/48

Out: 2316.578+/-0.280 χ^2/NDF:367678.3/52

All: 2312.213+/-0.199 χ^2/NDF: 722393.2/101

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -518.300+/-2680.574 χ^2/NDF: 28.6/25

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

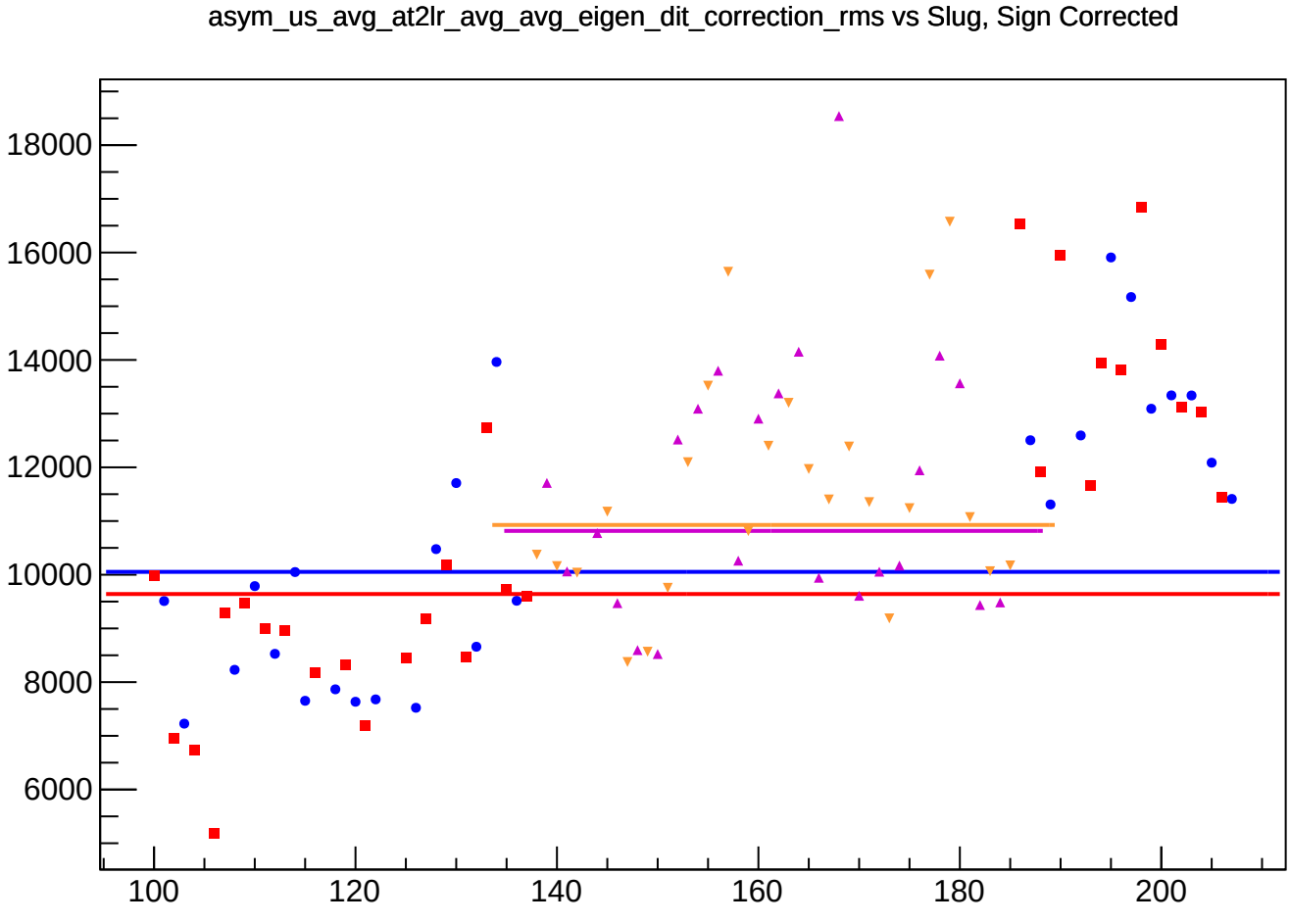
Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

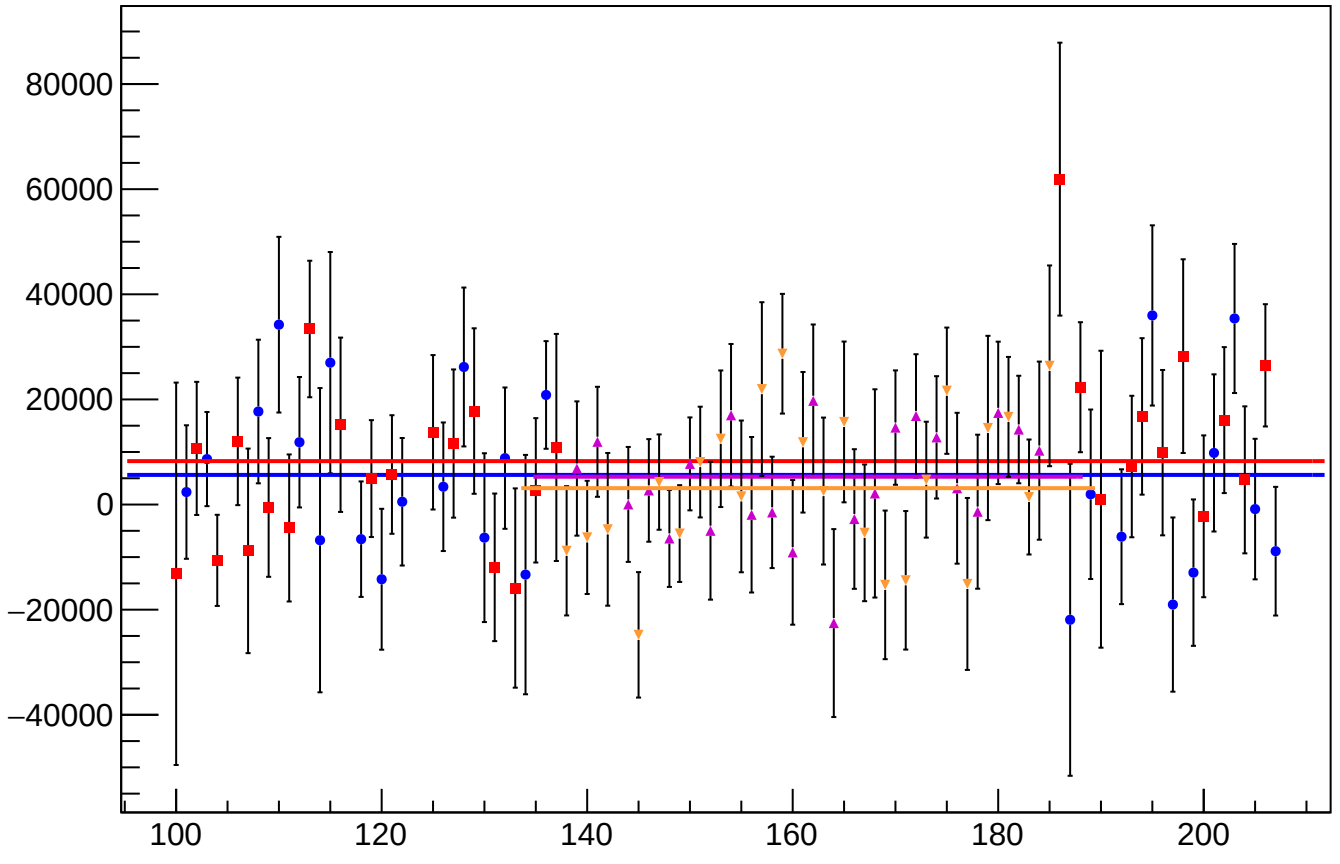
Right: -2058.000+/-1835.140 χ^2/NDF: 57.4/54

In: -503.618+/-1857.833 χ^2/NDF:42.1/48

Out: -2051.982+/-1805.254 χ^2/NDF:57.6/52

All: -1300.020+/-1294.697 χ^2/NDF: 100.1/10


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 10053.429+/-1.895 χ²/NDF: 1623414.8/25
Left Out: 10926.878+/-1.831 χ²/NDF:1057333.6/23
Right Out: 9640.624+/-1.780 χ²/NDF: 2569781.7/28
Left In: 10816.337+/-1.822 χ²/NDF:1196824.5/22
Left: 10871.336+/-1.292 χ²/NDF: 2255988.7/46
Right: 9834.100+/-1.298 χ²/NDF: 4218397.4/54
In: 10449.874+/-1.314 χ²/NDF:2904423.4/48
Out: 10265.552+/-1.277 χ²/NDF:3880744.1/52
All: 10355.068+/-0.915 χ²/NDF: 6795293.4/1



Right In: 5639.670+/-2720.609 χ^2/NDF: 29.4/25

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 8261.675+/-2641.529 χ^2/NDF: 26.2/28

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

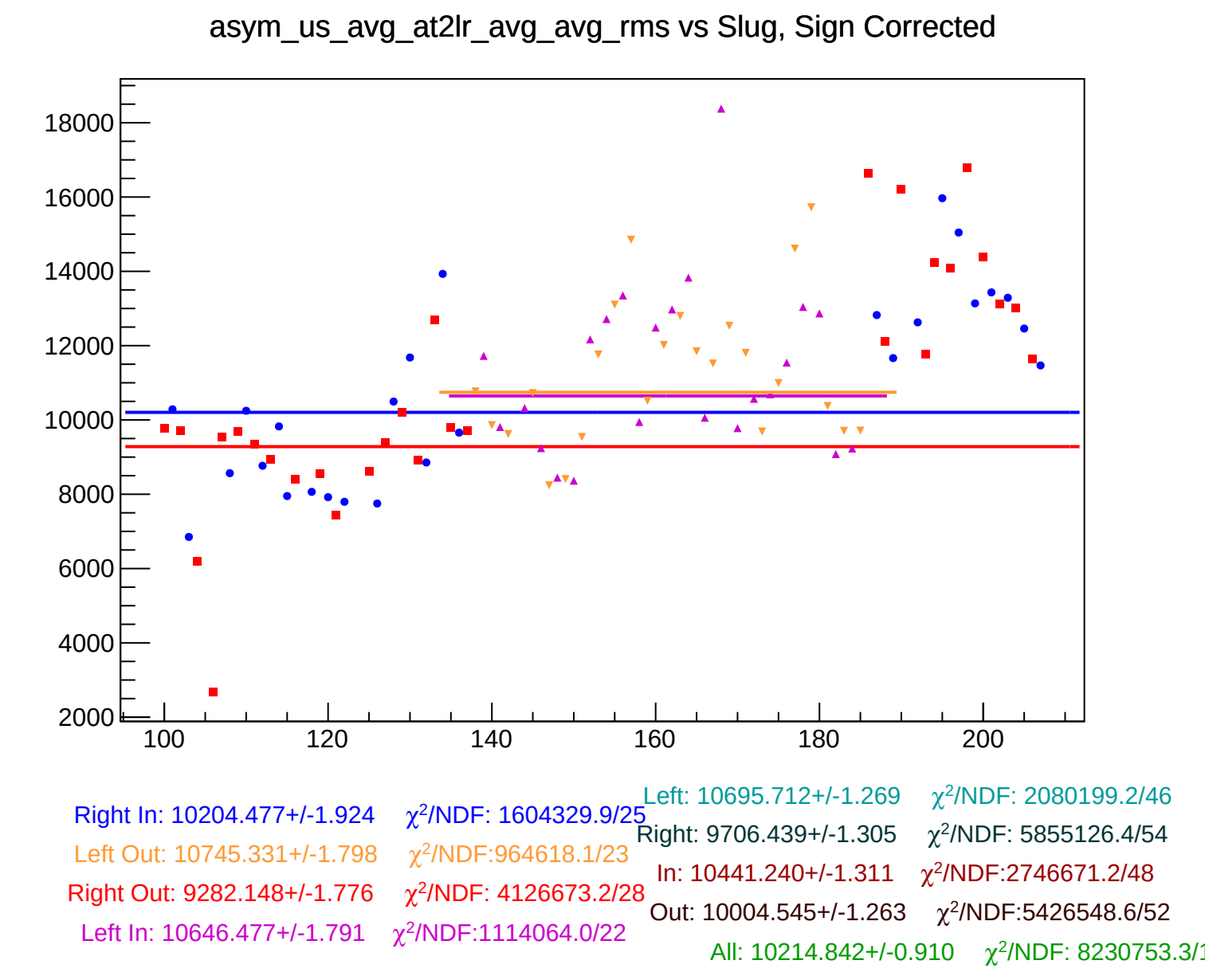
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

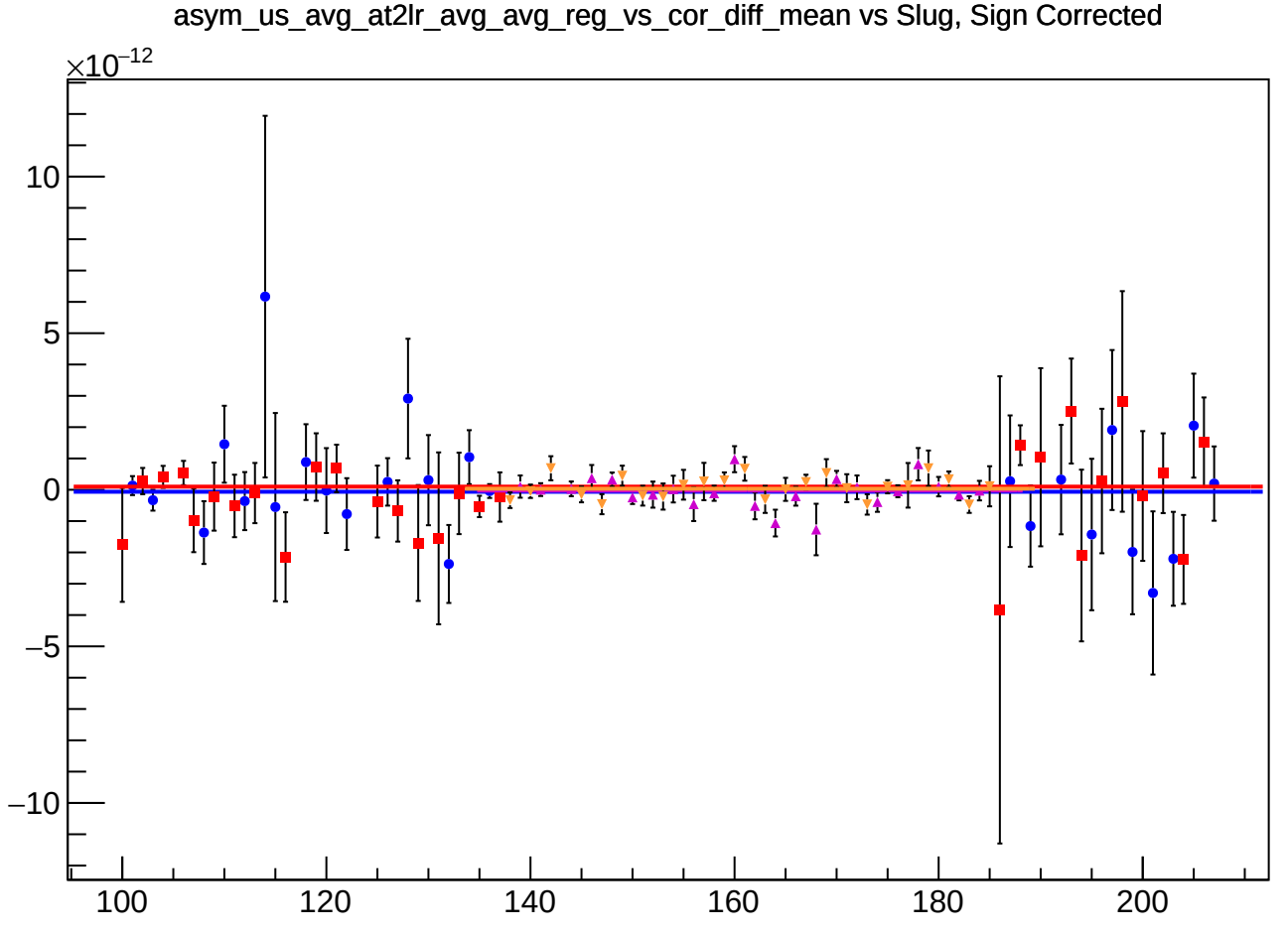
Right: 6989.333+/-1895.183 χ^2/NDF: 56.0/54

In: 5452.748+/-1853.879 χ^2/NDF:42.7/48

Out: 5592.577+/-1831.961 χ^2/NDF:55.6/52

All: 5523.494+/-1303.072 χ^2/NDF: 98.3/101


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: 10204.477+/-1.924 χ²/NDF: 1604329.9/25
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: 9706.439+/-1.305 χ²/NDF: 5855126.4/54
In: 10441.240+/-1.311 χ²/NDF:2746671.2/48
Out: 10004.545+/-1.263 χ²/NDF:5426548.6/52
All: 10214.842+/-0.910 χ²/NDF: 8230753.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/25

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

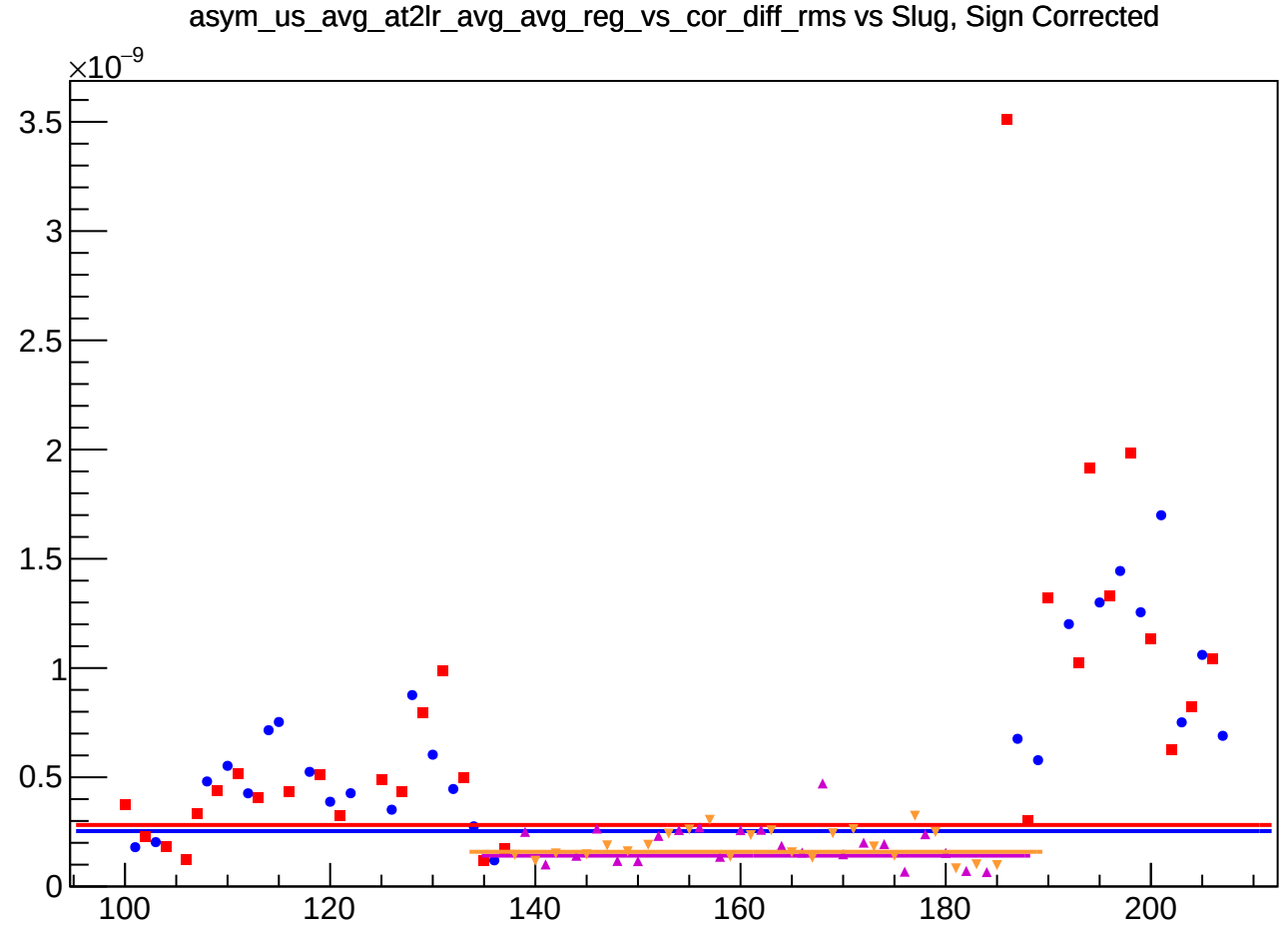
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 48.8/54

In: -0.000+/-0.000 χ^2/NDF:50.2/48

Out: 0.000+/-0.000 χ^2/NDF:52.3/52

All: 0.000+/-0.000 χ^2/NDF: 103.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 5523559.2/25

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

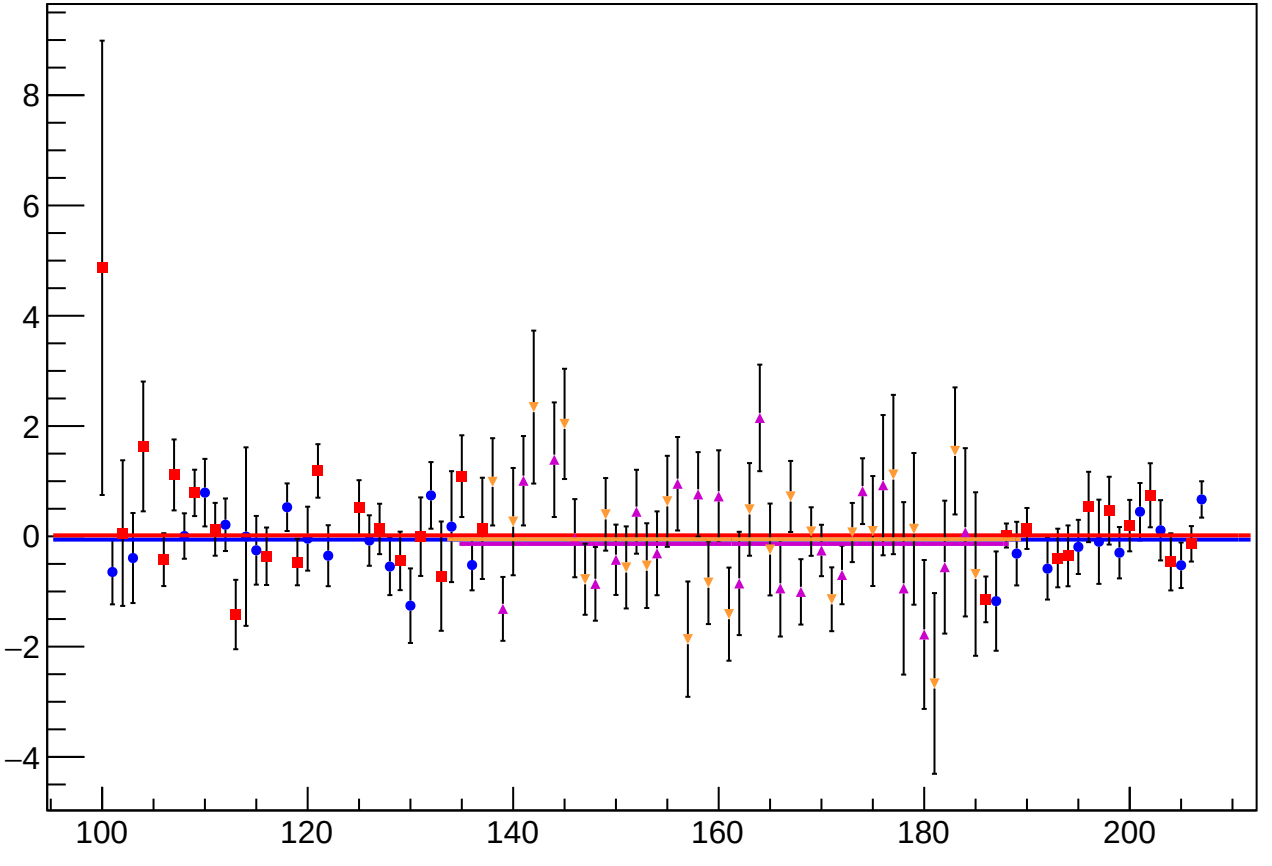
Right: 0.000+/-0.000 χ^2/NDF: 11308188.8/54

In: 0.000+/-0.000 χ^2/NDF:9044169.0/48

Out: 0.000+/-0.000 χ^2/NDF:8202064.9/52

All: 0.000+/-0.000 χ^2/NDF: 17359092.2/101

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.105 χ^2/NDF: 22.7/25

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

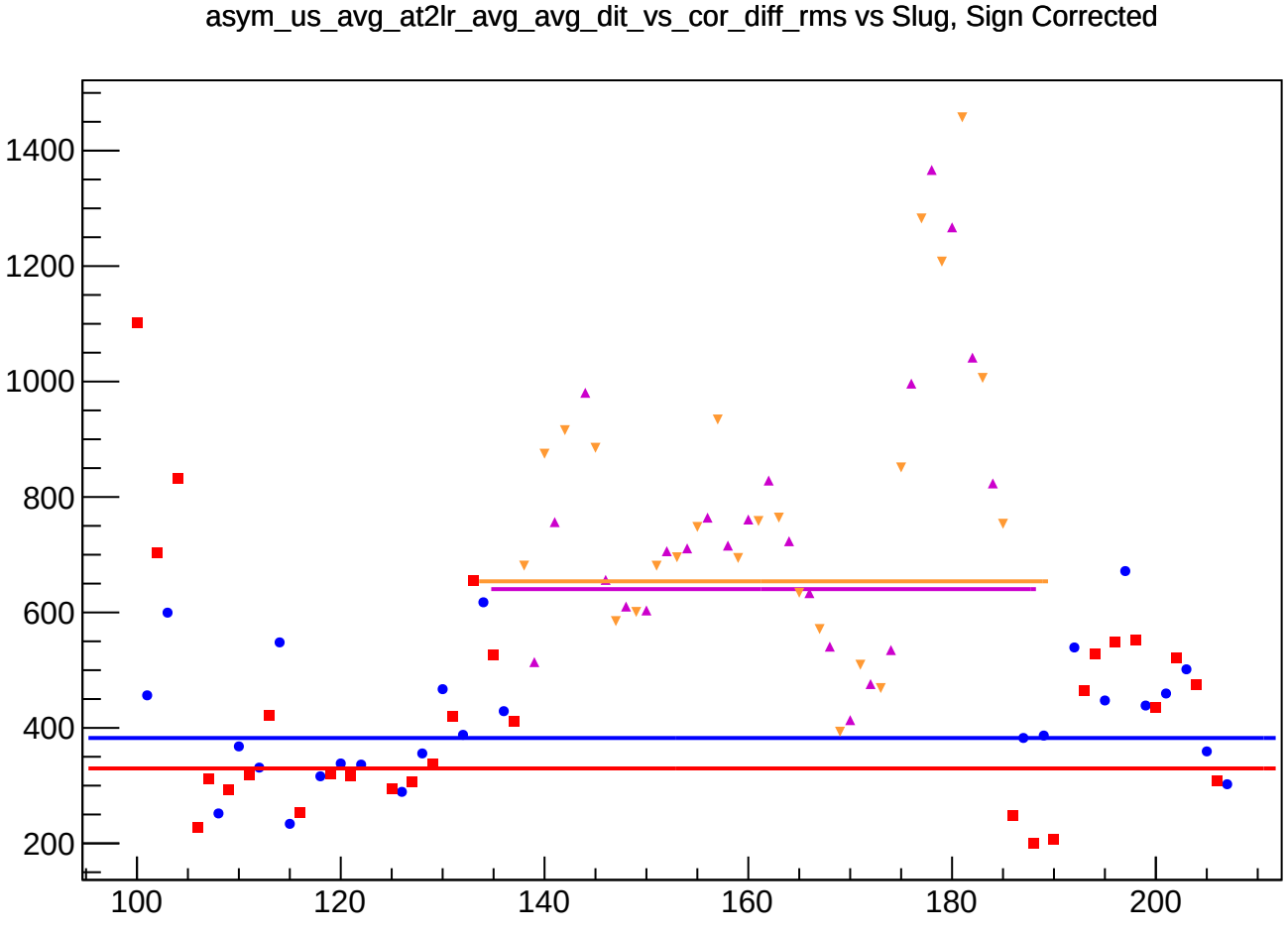
Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

Right: -0.016+/-0.069 χ^2/NDF: 63.7/54

In: -0.083+/-0.087 χ^2/NDF:52.8/48

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.037+/-0.059 χ^2/NDF: 124.3/101



Right In: 382.528+/-0.074 χ^2/NDF: 1626530.5/25

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

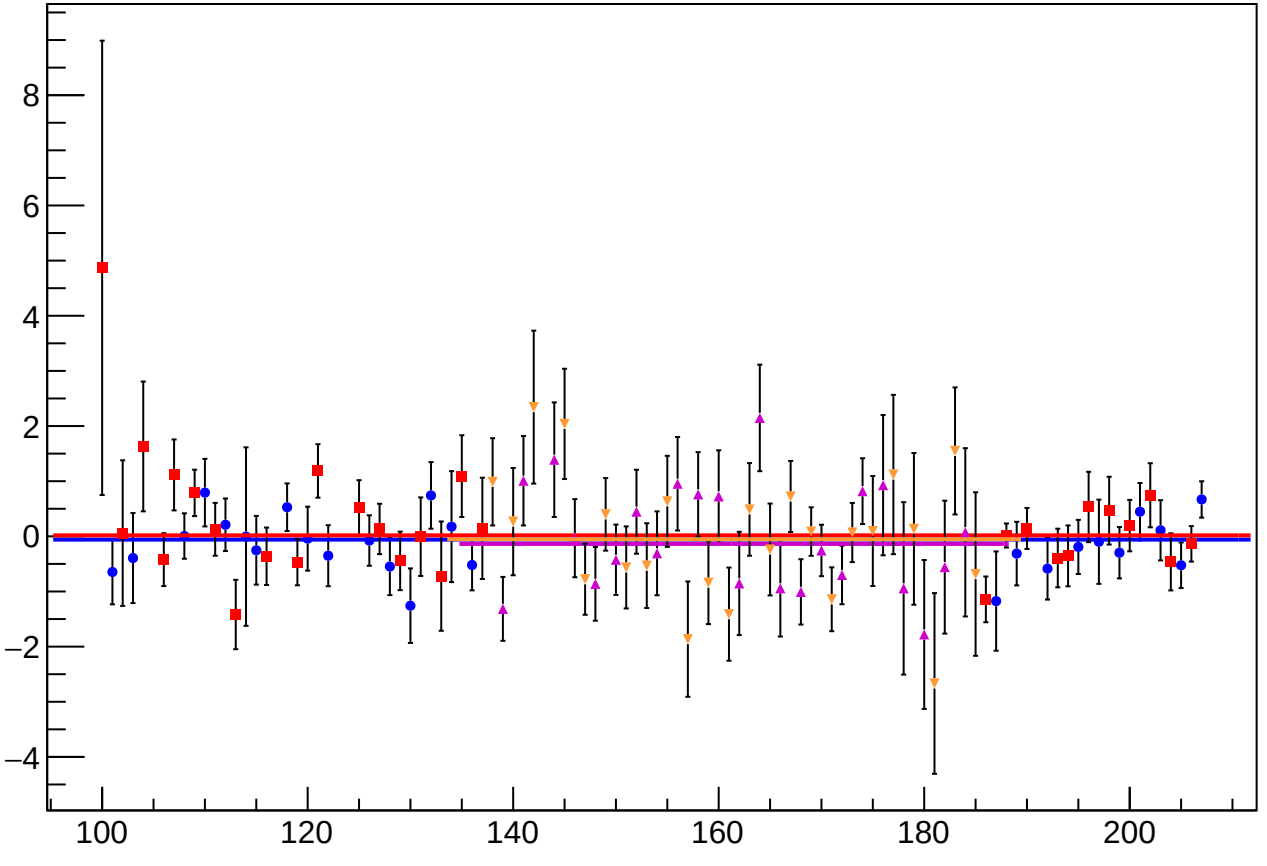
Right: 352.606+/-0.049 χ^2/NDF: 5504399.4/54

In: 461.383+/-0.062 χ^2/NDF:7978936.2/48

Out: 408.653+/-0.056 χ^2/NDF:12824208.5/52

All: 432.582+/-0.042 χ^2/NDF: 21201697.0/10

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.105 χ^2/NDF: 22.7/25

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

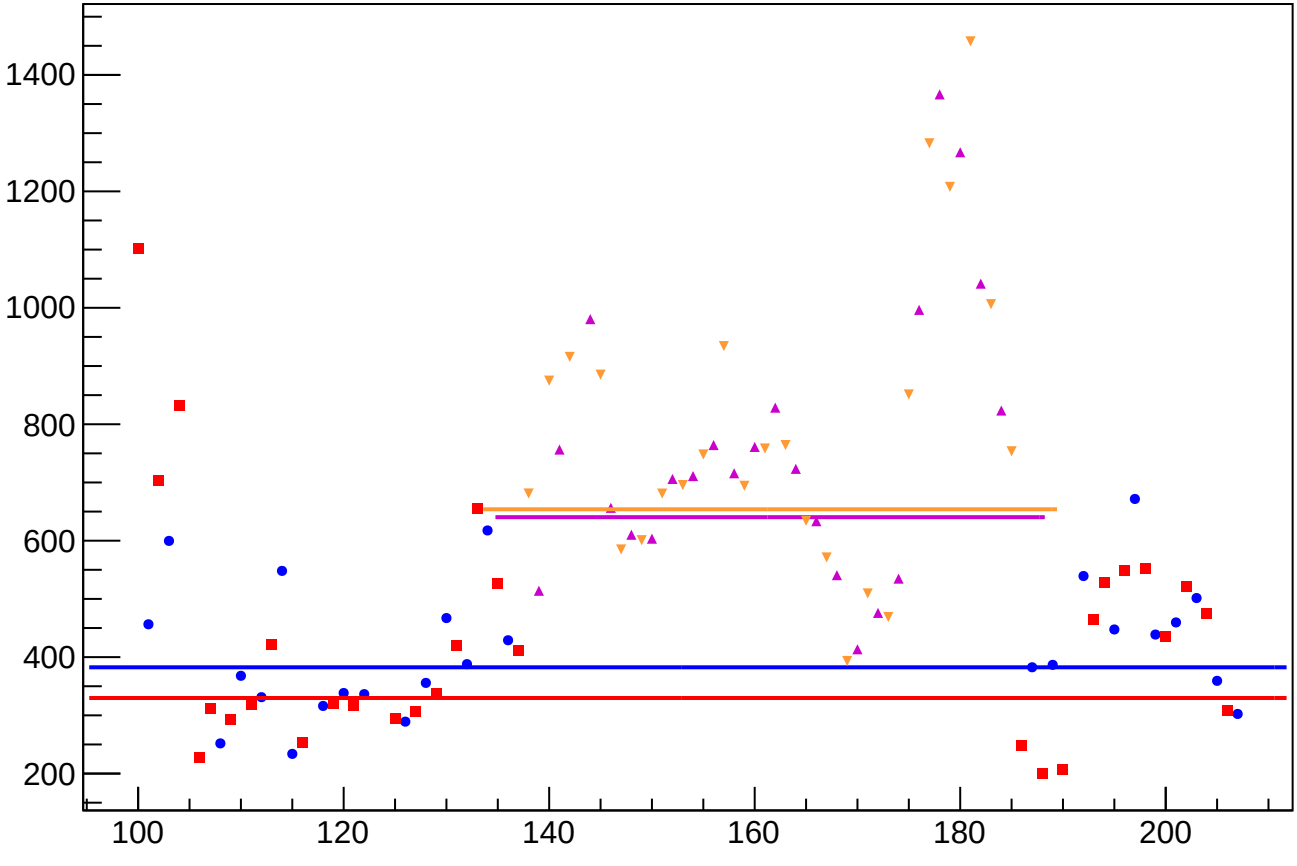
Right: -0.016+/-0.069 χ^2/NDF: 63.7/54

In: -0.083+/-0.087 χ^2/NDF:52.8/48

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.037+/-0.059 χ^2/NDF: 124.3/101

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 382.528+/-0.074 χ^2/NDF: 1626530.5/25

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

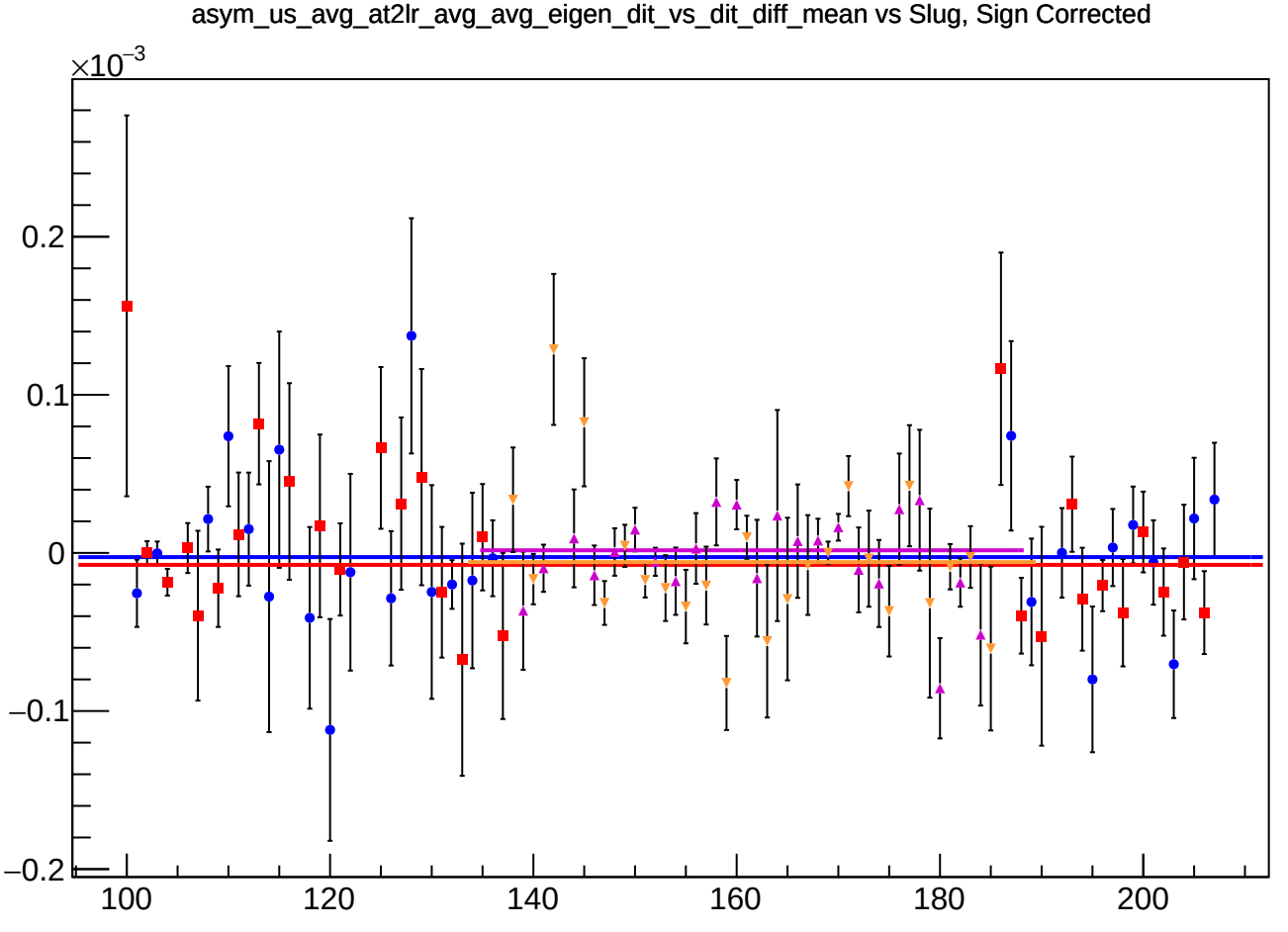
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 352.606+/-0.049 χ^2/NDF: 5504399.4/54

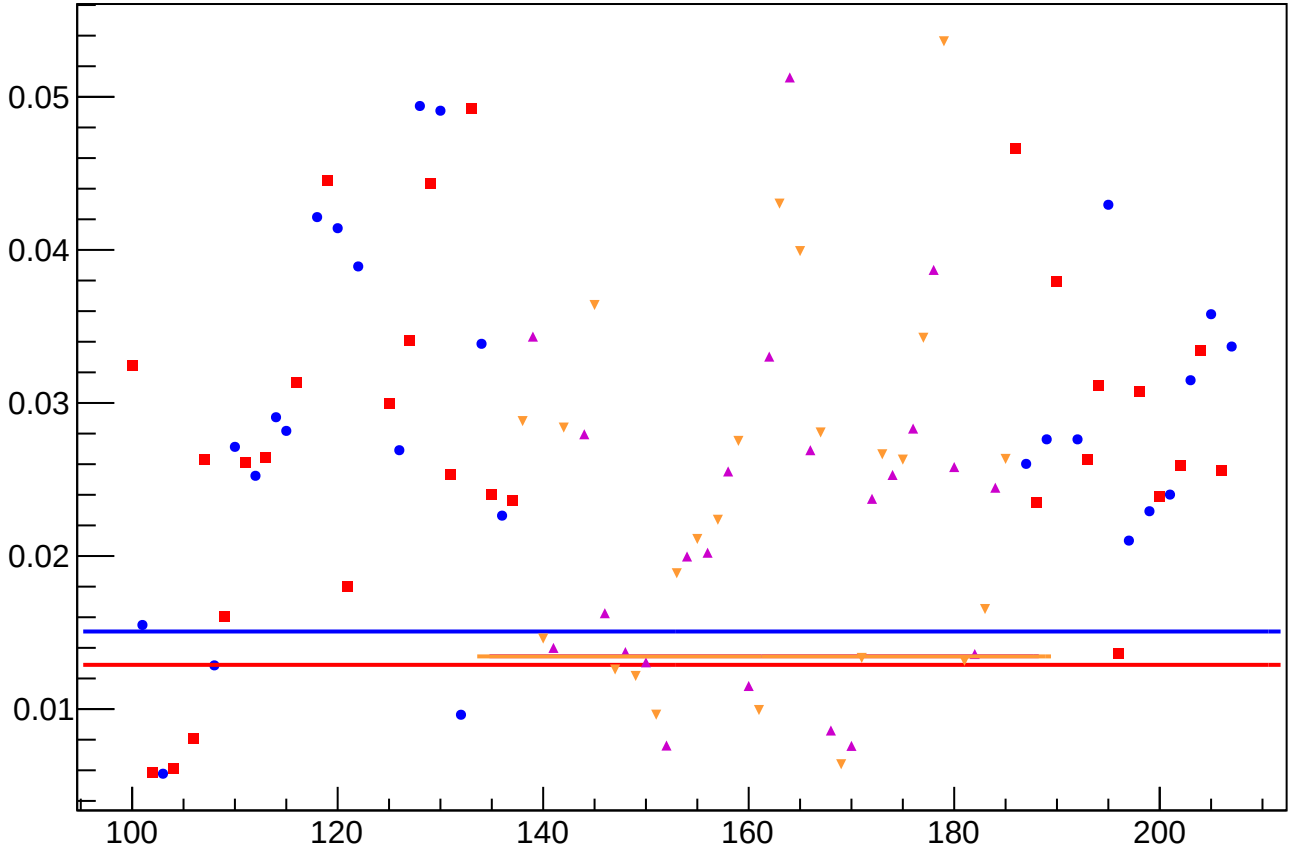
In: 461.383+/-0.062 χ^2/NDF:7978936.2/48

Out: 408.653+/-0.056 χ^2/NDF:12824208.5/52

All: 432.582+/-0.042 χ^2/NDF: 21201697.0/10


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 26.2/25
Left Out: -0.000+/-0.000 χ²/NDF:42.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 28.5/28
Left In: 0.000+/-0.000 χ²/NDF:25.6/22
Left: -0.000+/-0.000 χ²/NDF: 70.2/46
Right: -0.000+/-0.000 χ²/NDF: 55.2/54
In: 0.000+/-0.000 χ²/NDF:52.3/48
Out: -0.000+/-0.000 χ²/NDF:71.1/52
All: -0.000+/-0.000 χ²/NDF: 126.1/101

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: 9890036.8/25

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

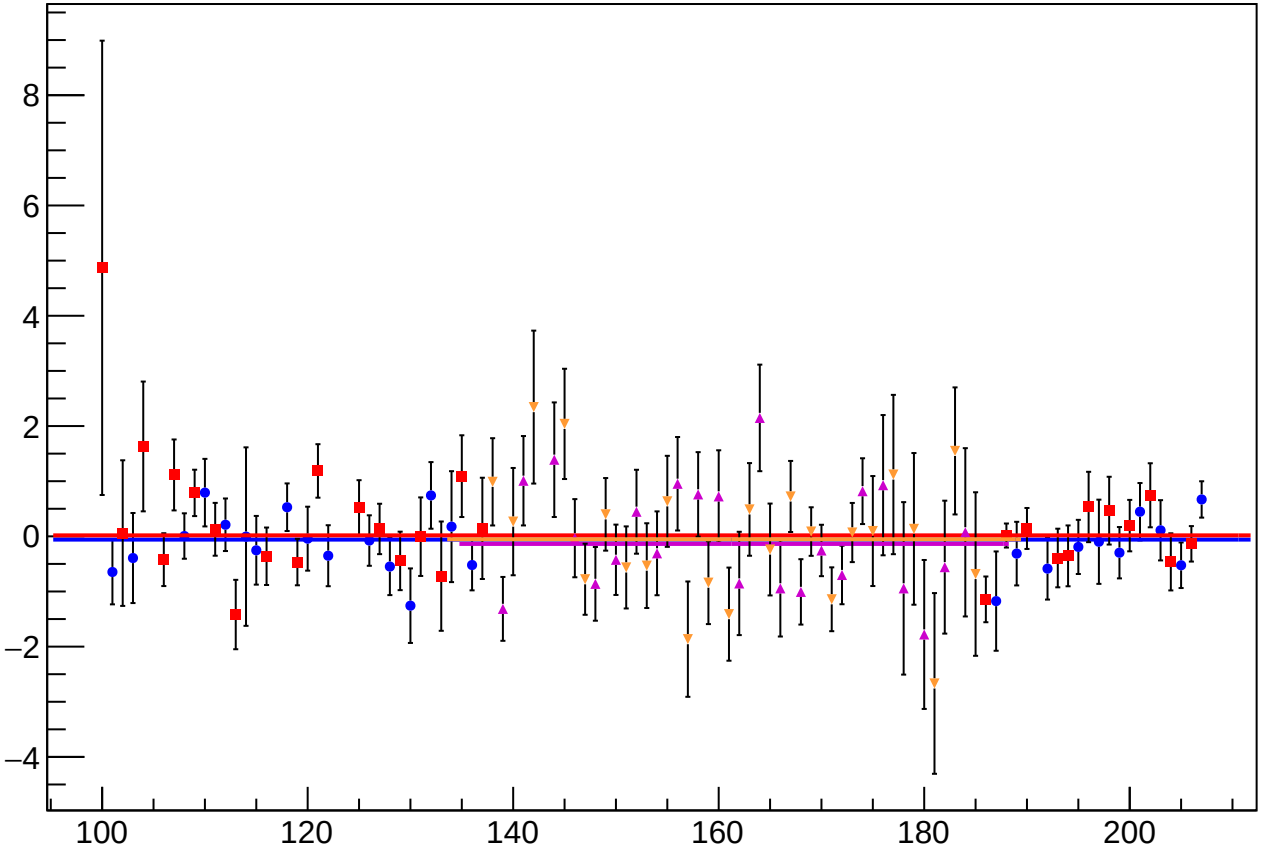
Right: 0.014+/-0.000 χ^2/NDF: 21480208.1/54

In: 0.014+/-0.000 χ^2/NDF:17576369.0/48

Out: 0.013+/-0.000 χ^2/NDF:20233477.7/52

All: 0.014+/-0.000 χ^2/NDF: 37899209.9/101

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.105 χ^2/NDF: 22.7/25

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

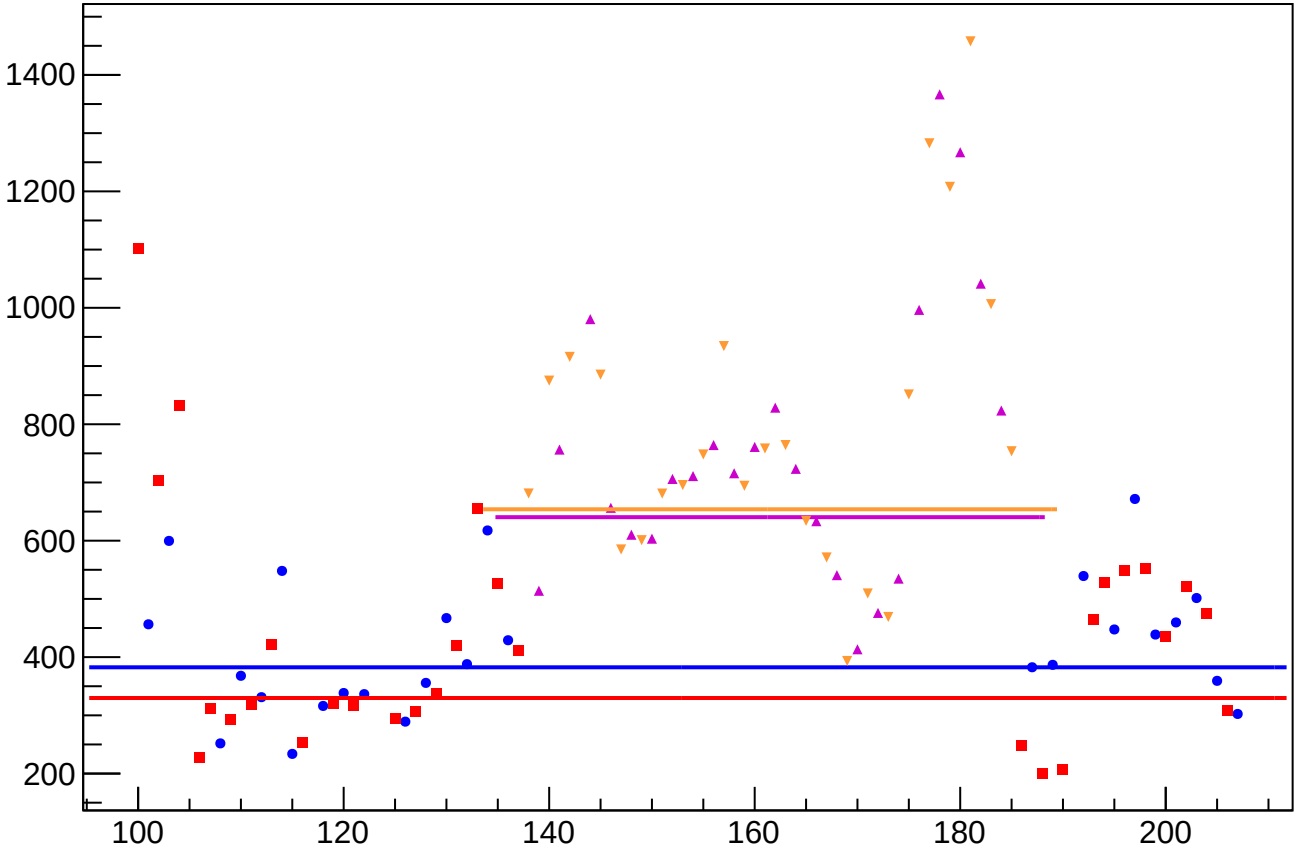
Right: -0.016+/-0.069 χ^2/NDF: 63.7/54

In: -0.083+/-0.087 χ^2/NDF:52.8/48

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.037+/-0.059 χ^2/NDF: 124.3/101

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 382.529+/-0.074 χ^2/NDF: 1626506.9/25

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

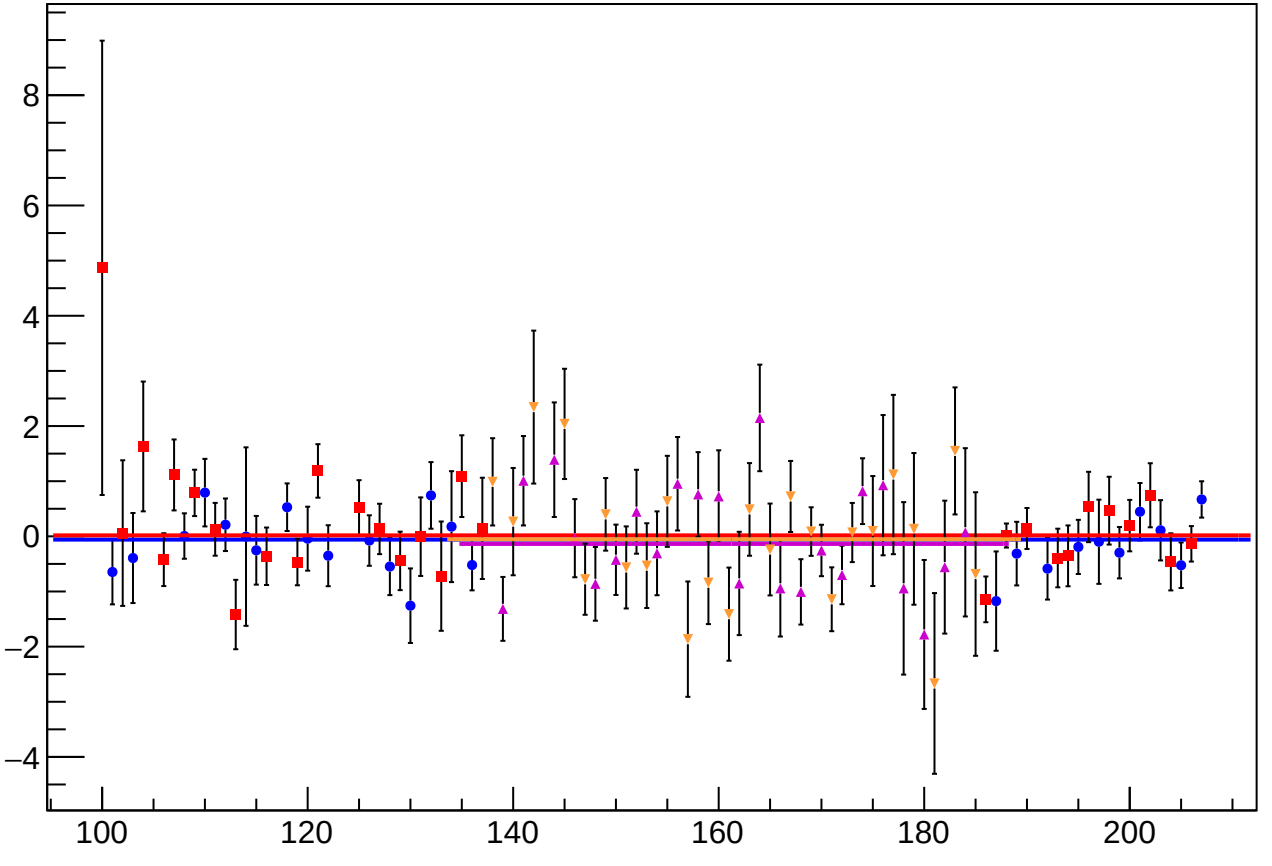
Right: 352.603+/-0.049 χ^2/NDF: 5504657.5/54

In: 461.383+/-0.062 χ^2/NDF:7979102.6/48

Out: 408.648+/-0.056 χ^2/NDF:12824853.2/52

All: 432.579+/-0.042 χ^2/NDF: 21202597.8/10

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.105 χ^2/NDF: 22.7/25

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

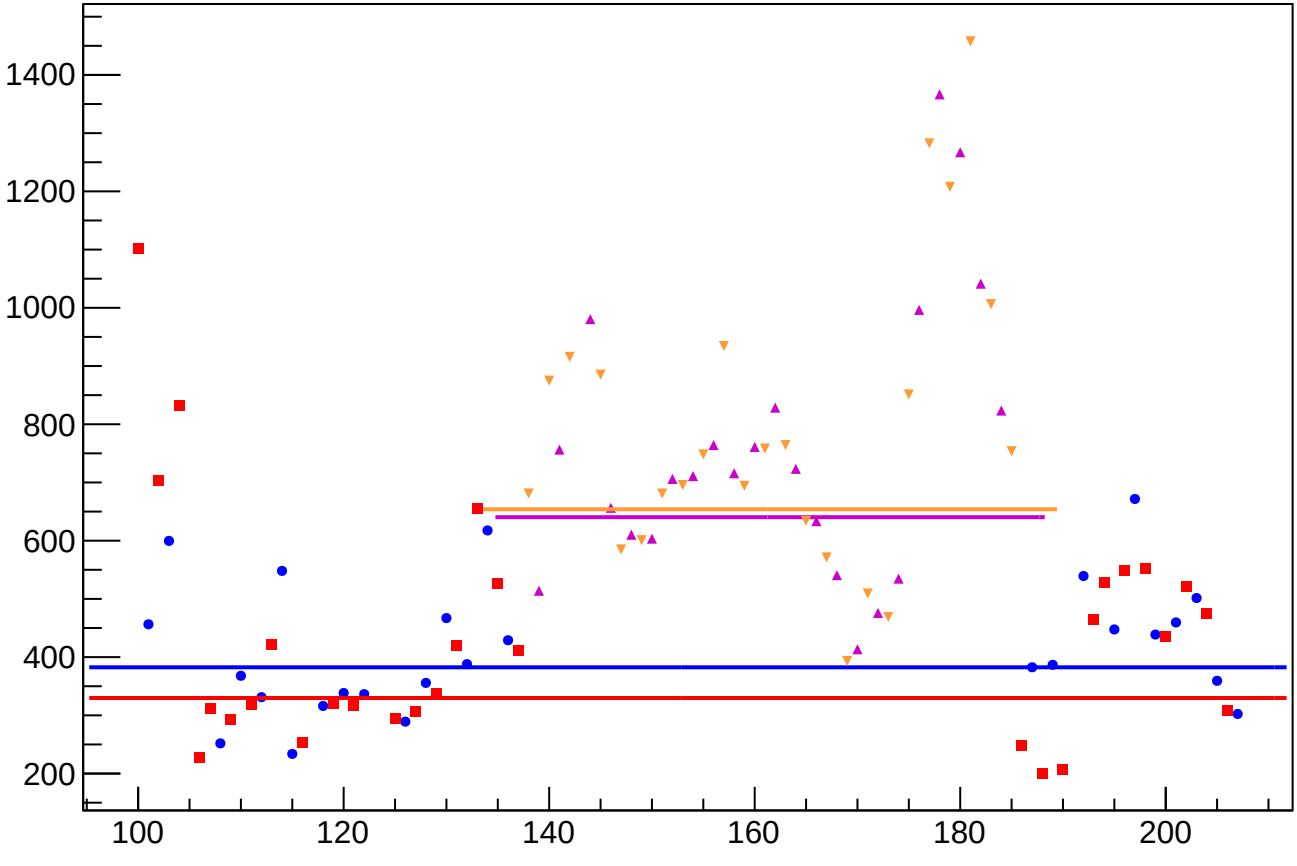
Right: -0.016+/-0.069 χ^2/NDF: 63.7/54

In: -0.083+/-0.087 χ^2/NDF:52.8/48

Out: 0.000+/-0.080 χ^2/NDF:71.0/52

All: -0.037+/-0.059 χ^2/NDF: 124.3/101

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 382.529+/-0.074 χ^2/NDF: 1626506.9/25

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

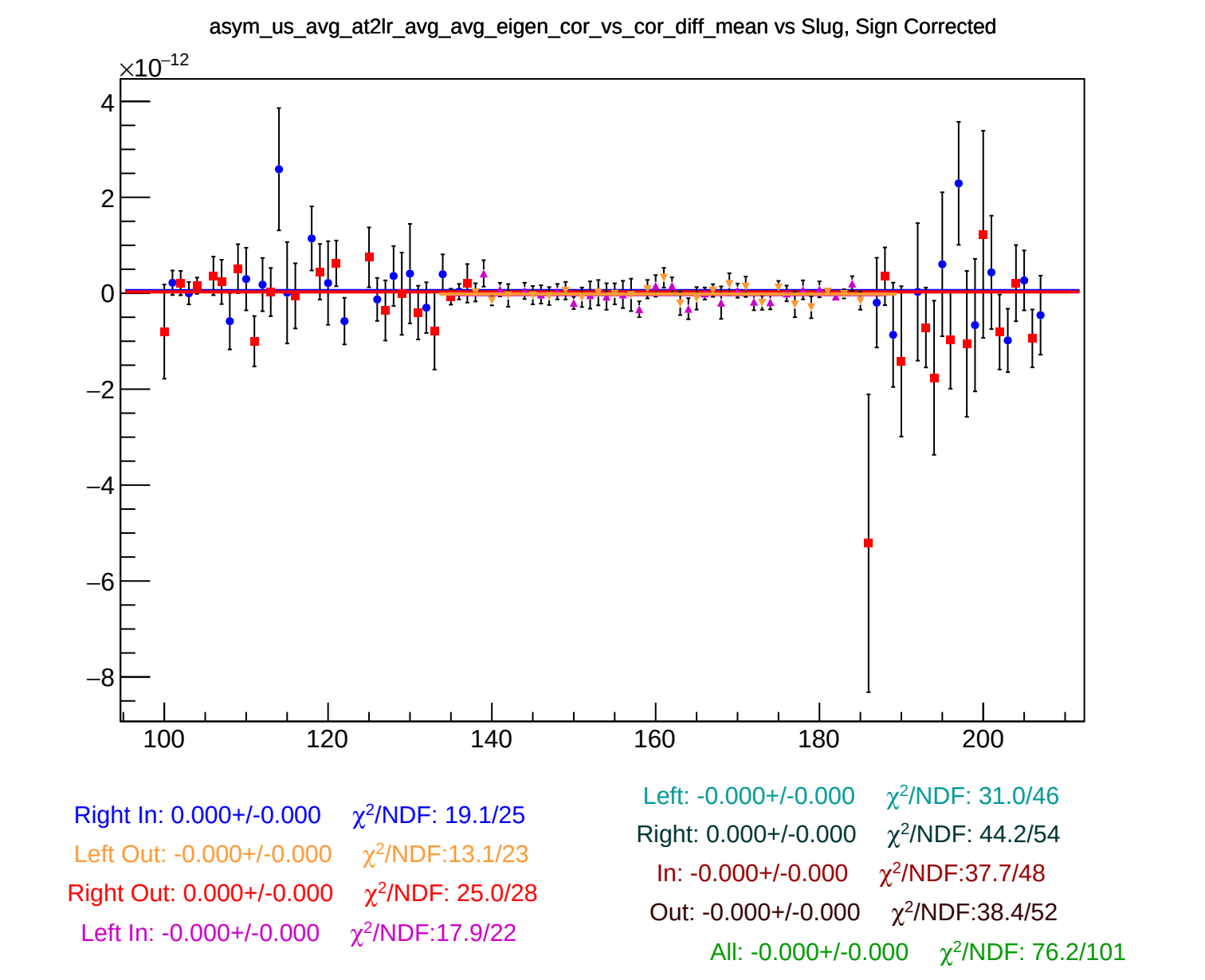
Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

Right: 352.603+/-0.049 χ^2/NDF: 5504657.5/54

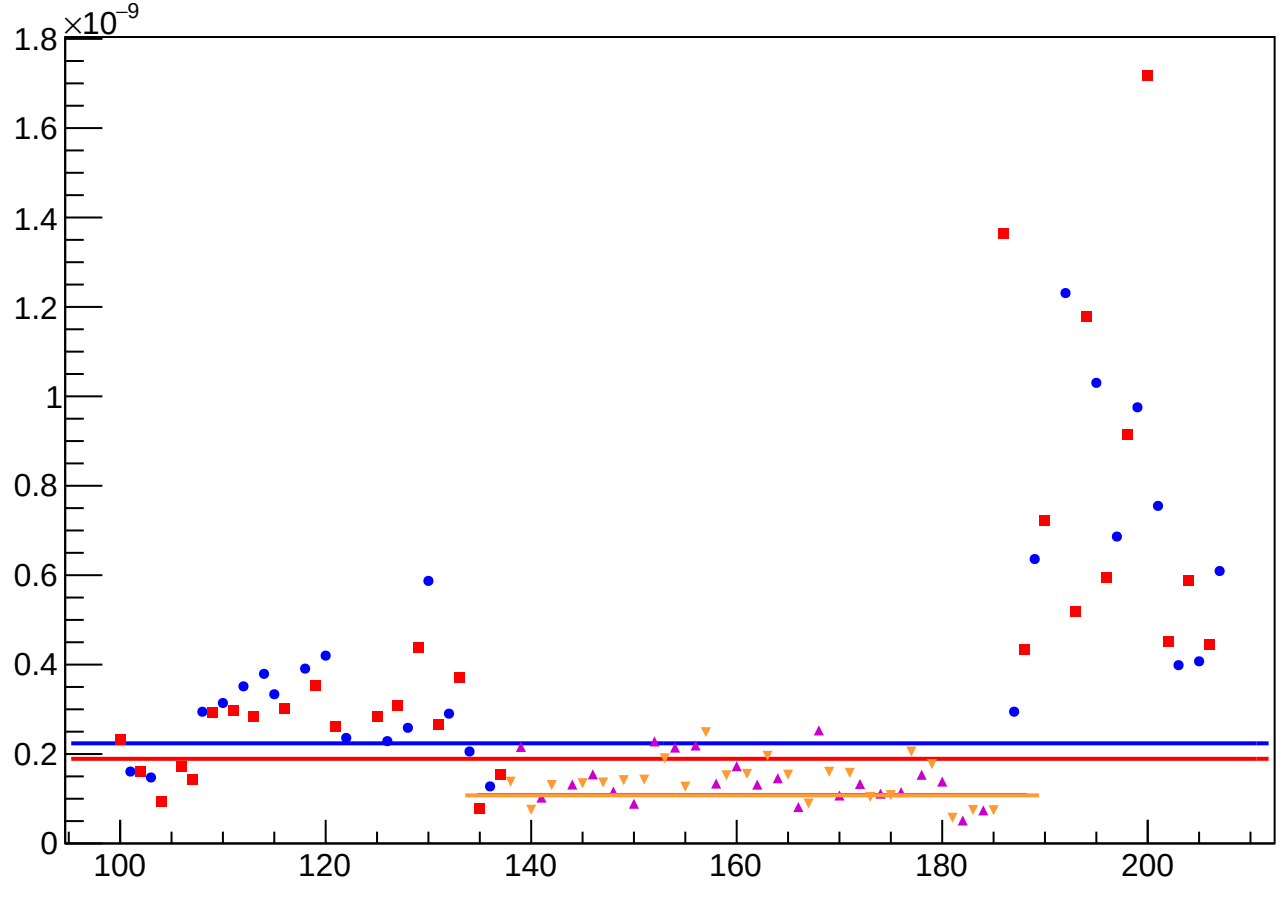
In: 461.383+/-0.062 χ^2/NDF:7979102.6/48

Out: 408.648+/-0.056 χ^2/NDF:12824853.2/52

All: 432.579+/-0.042 χ^2/NDF: 21202597.8/10


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: 19.1/25
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: 44.2/54
In: -0.000+/-0.000 χ²/NDF:37.7/48
Out: -0.000+/-0.000 χ²/NDF:38.4/52
All: -0.000+/-0.000 χ²/NDF: 76.2/101

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: 5653185.3/25

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

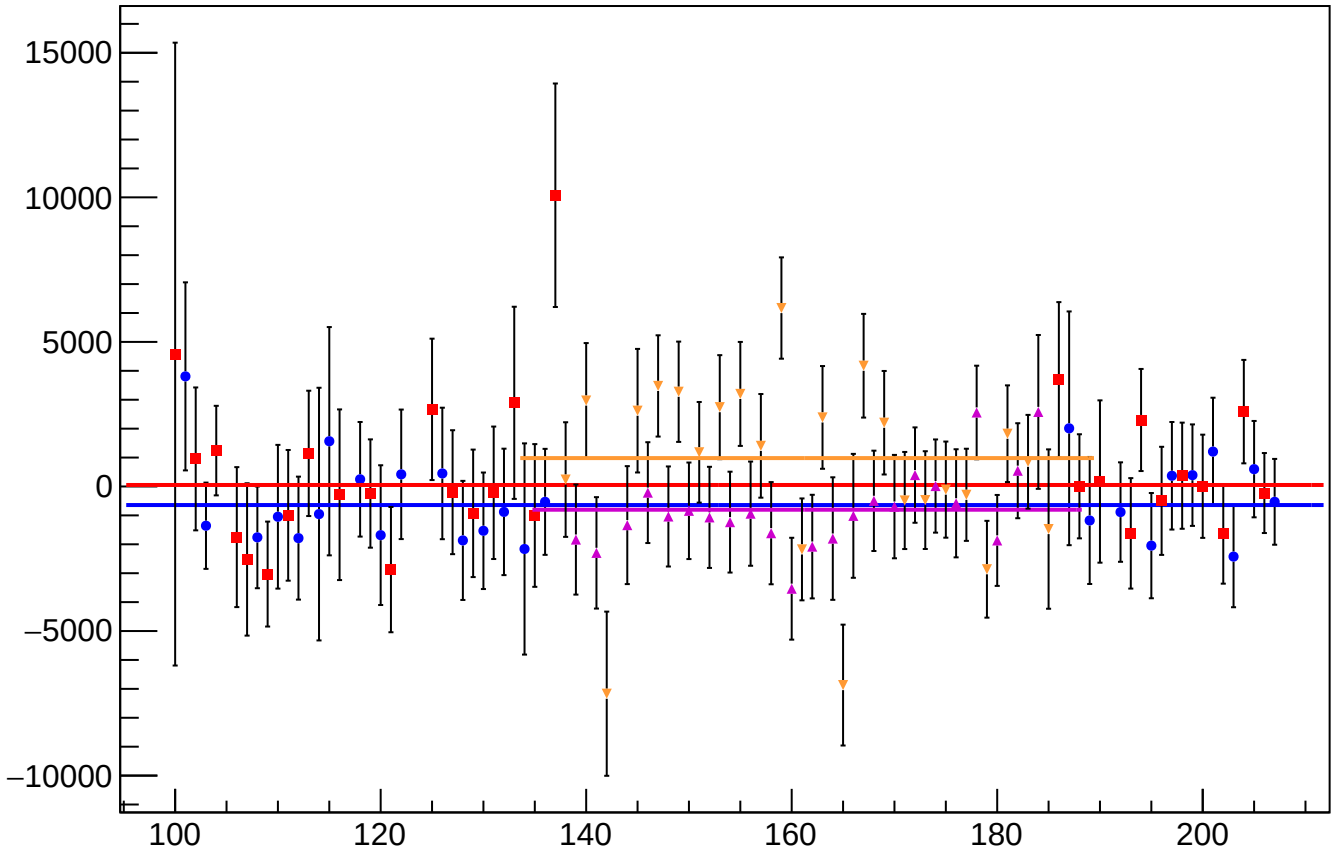
Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

Right: 0.000+/-0.000 χ^2/NDF: 13107063.8/54

In: 0.000+/-0.000 χ^2/NDF:12324328.6/48

Out: 0.000+/-0.000 χ^2/NDF:12464797.8/52

All: 0.000+/-0.000 χ^2/NDF: 24796657.1/101



Right In: -642.117+/-401.668 χ^2/NDF: 9.0/25

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 51.664+/-390.130 χ^2/NDF: 24.0/28

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

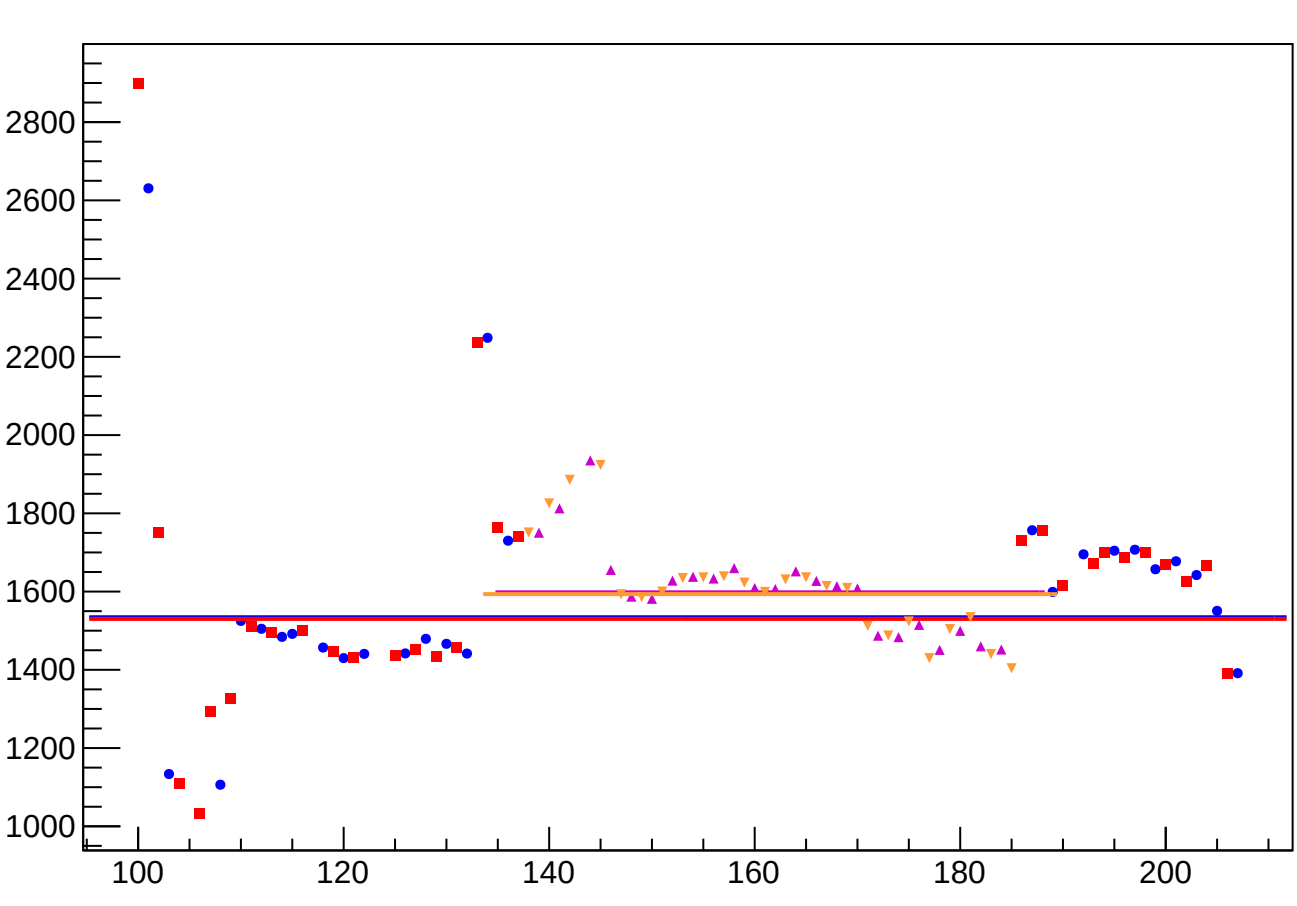
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -285.119+/-279.854 χ^2/NDF: 34.6/54

In: -728.762+/-273.743 χ^2/NDF:21.6/48

Out: 540.200+/-268.786 χ^2/NDF:82.5/52

All: -82.687+/-191.789 χ^2/NDF: 115.0/101



Right In: 1534.412+/-0.284 χ^2/NDF: 718879.1/25

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

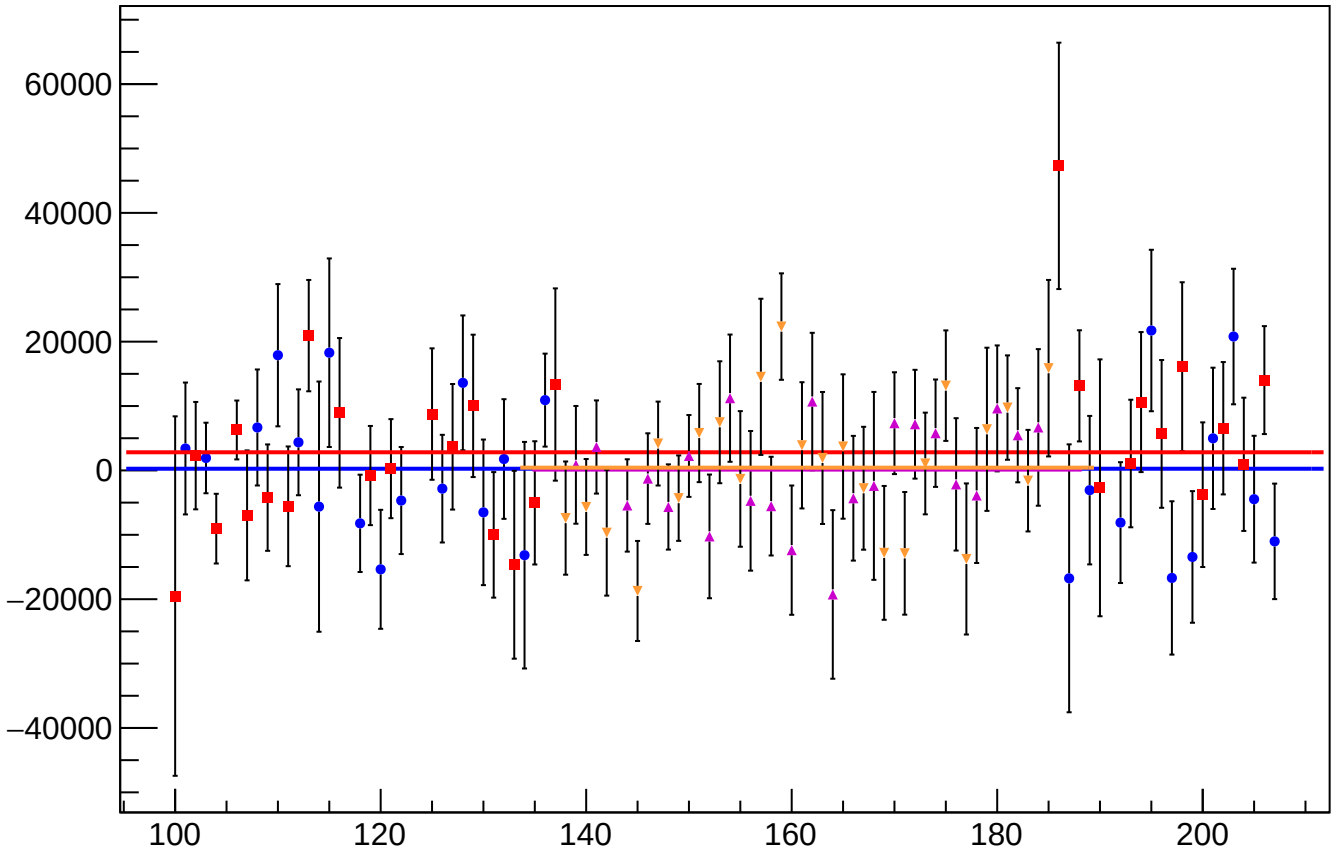
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1532.208+/-0.198 χ^2/NDF: 1355232.4/54

In: 1568.529+/-0.194 χ^2/NDF:914980.4/48

Out: 1563.299+/-0.190 χ^2/NDF:851652.2/52

All: 1565.862+/-0.135 χ^2/NDF: 1767005.0/10



Right In: 262.865+/-1894.423 χ^2/NDF: 28.6/25

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

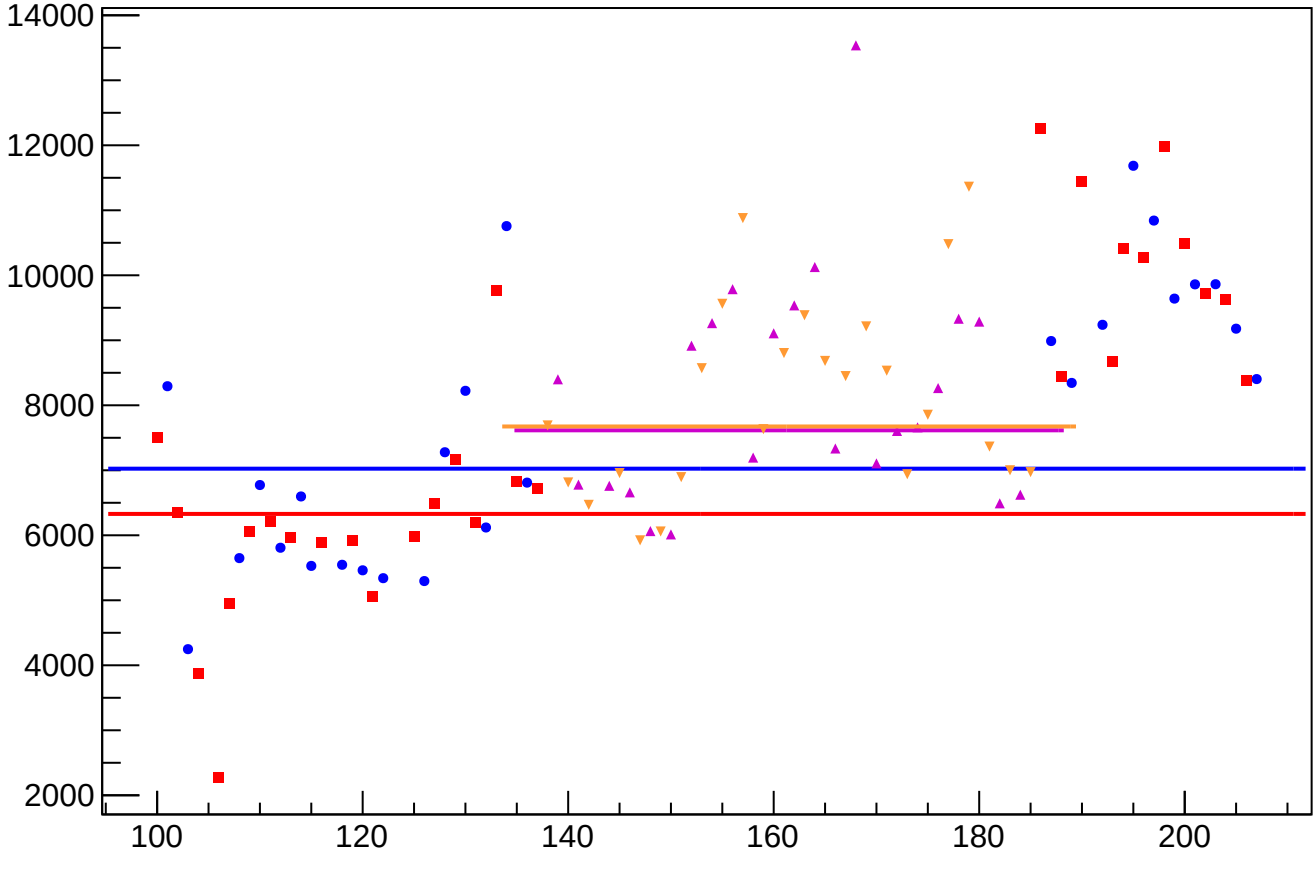
Right: 1665.009+/-1272.611 χ^2/NDF: 59.0/54

In: 191.689+/-1310.514 χ^2/NDF:42.4/48

Out: 1691.237+/-1249.264 χ^2/NDF:59.7/52

All: 977.324+/-904.241 χ^2/NDF: 102.9/101

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 7024.772+/-1.340 χ^2/NDF: 2283477.1/25

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

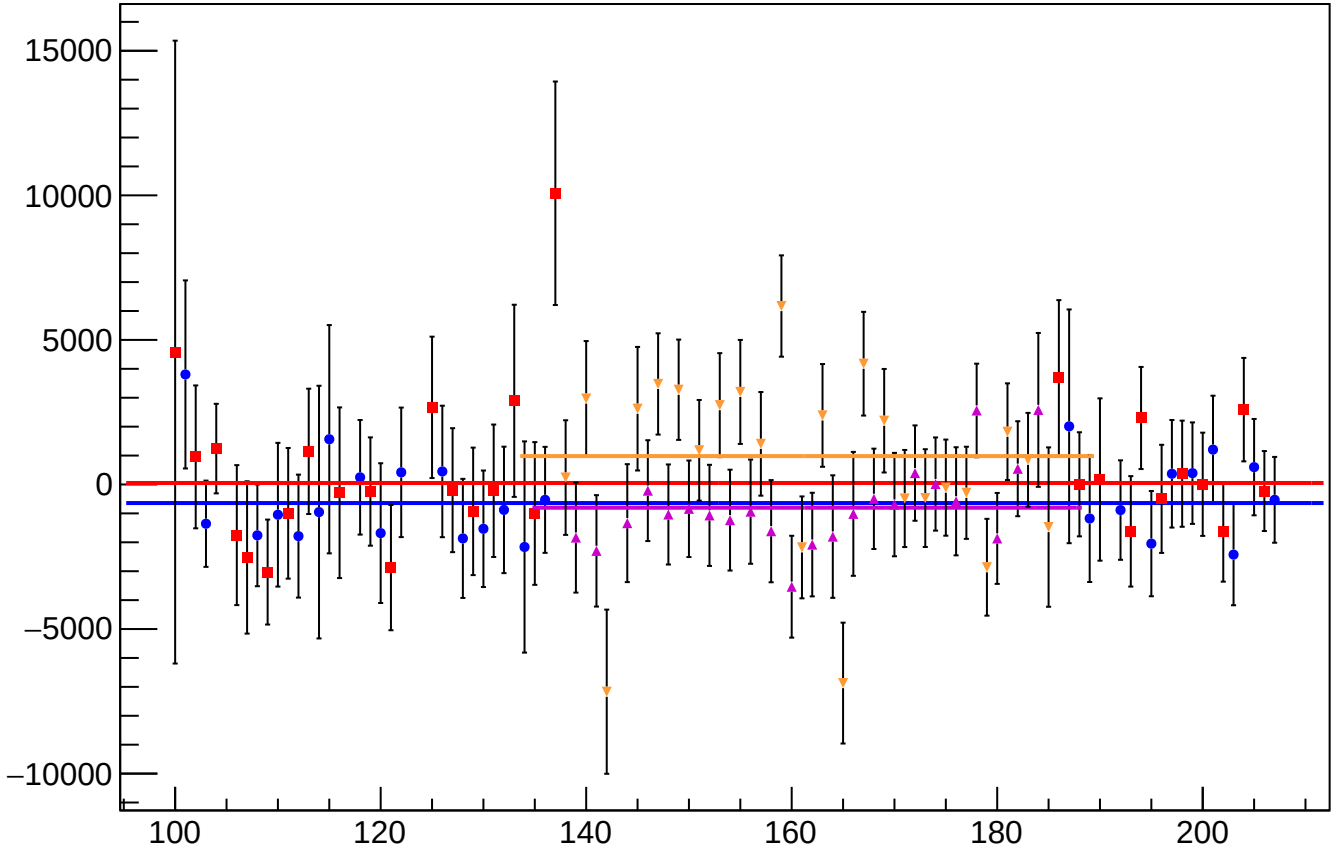
Right: 6642.818+/-0.900 χ^2/NDF: 6920524.2/54

In: 7332.532+/-0.927 χ^2/NDF:3609222.3/48

Out: 6962.661+/-0.883 χ^2/NDF:6143555.9/52

All: 7138.751+/-0.639 χ^2/NDF: 9836243.7/10

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



Right In: -642.163+/-401.668 χ^2/NDF: 9.0/25

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 51.712+/-390.130 χ^2/NDF: 24.0/28

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

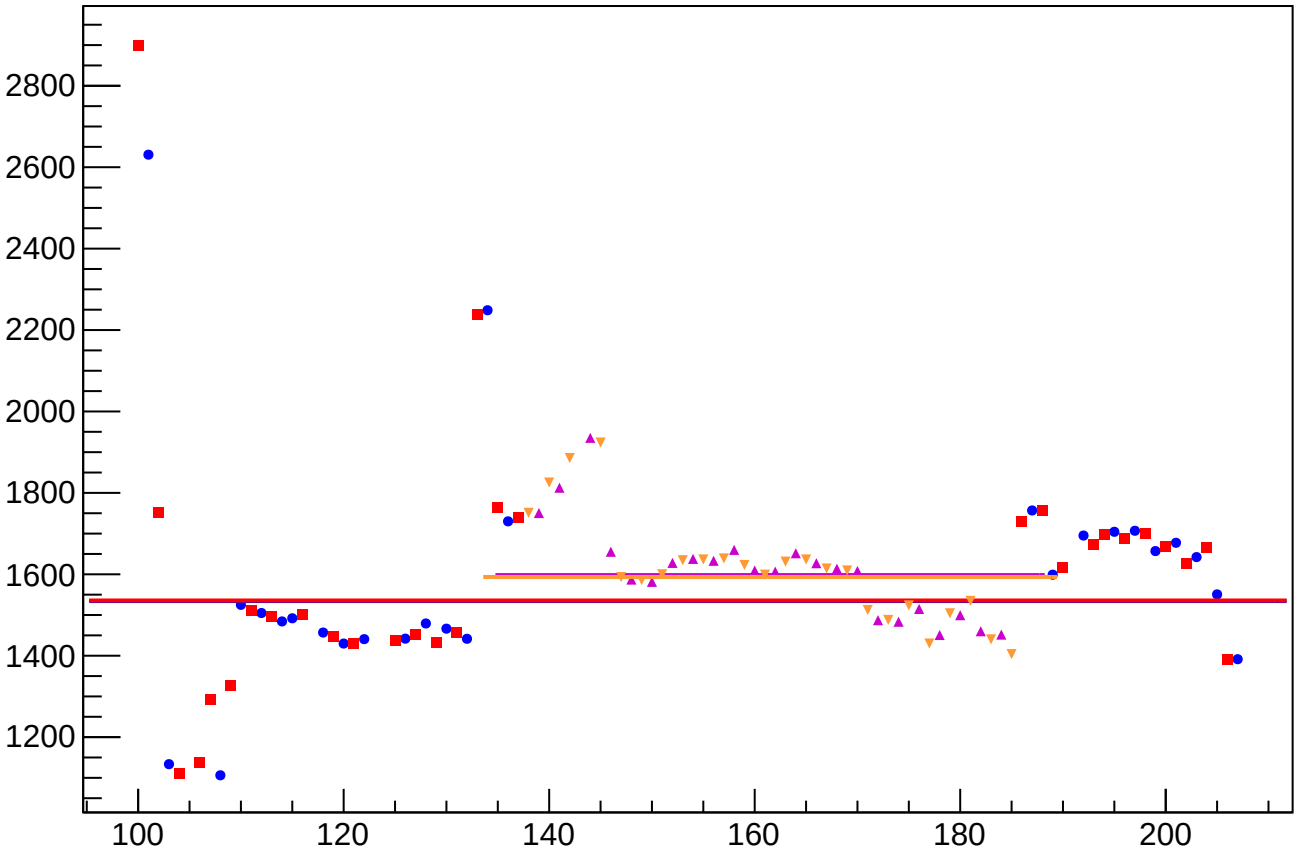
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -285.116+/-279.854 χ^2/NDF: 34.6/54

In: -728.717+/-273.743 χ^2/NDF:21.6/48

Out: 540.268+/-268.786 χ^2/NDF:82.5/52

All: -82.630+/-191.789 χ^2/NDF: 115.0/101



Right In: 1534.412+/-0.284 χ^2/NDF: 718879.5/25

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

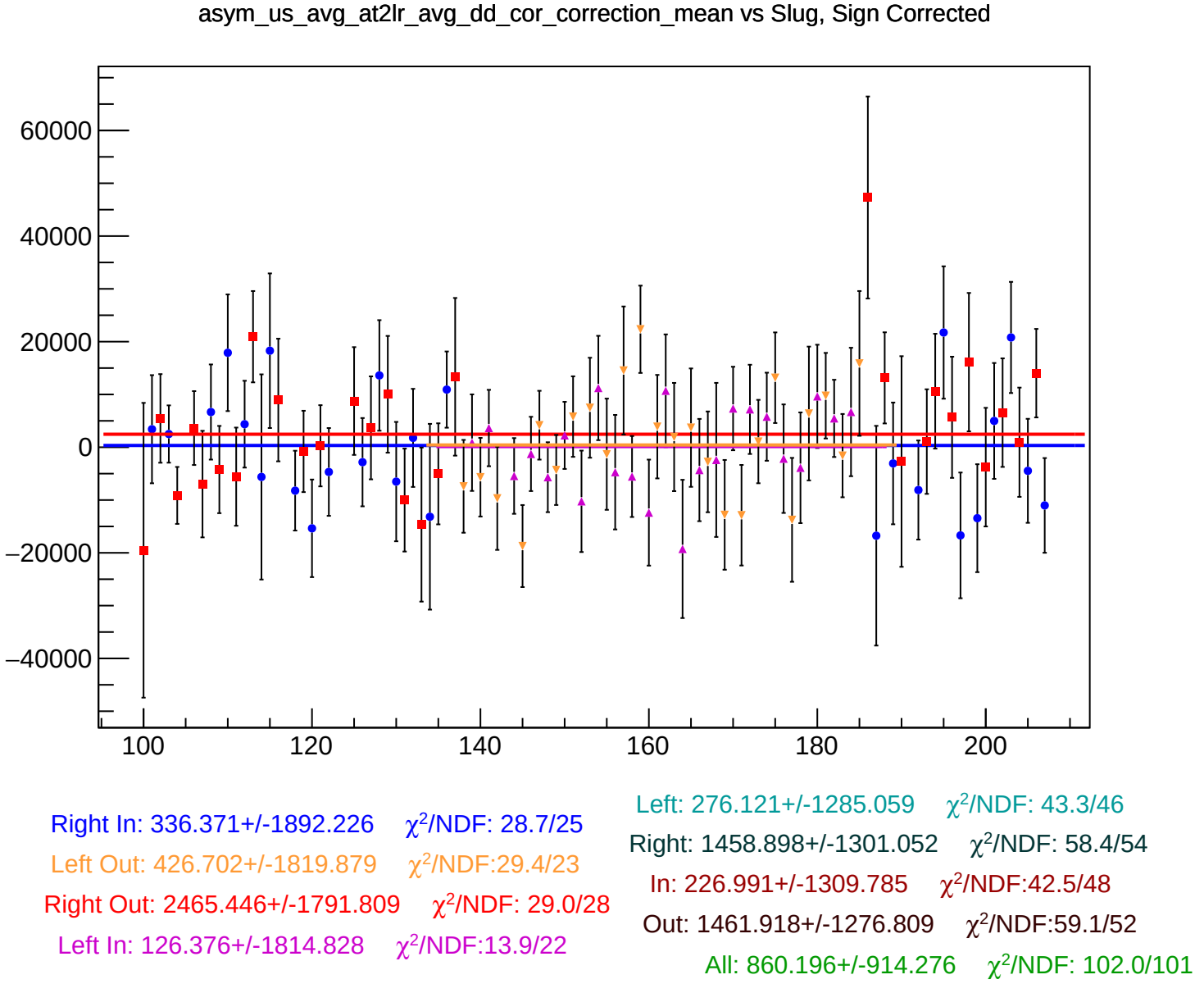
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1535.059+/-0.198 χ^2/NDF: 1303452.7/54

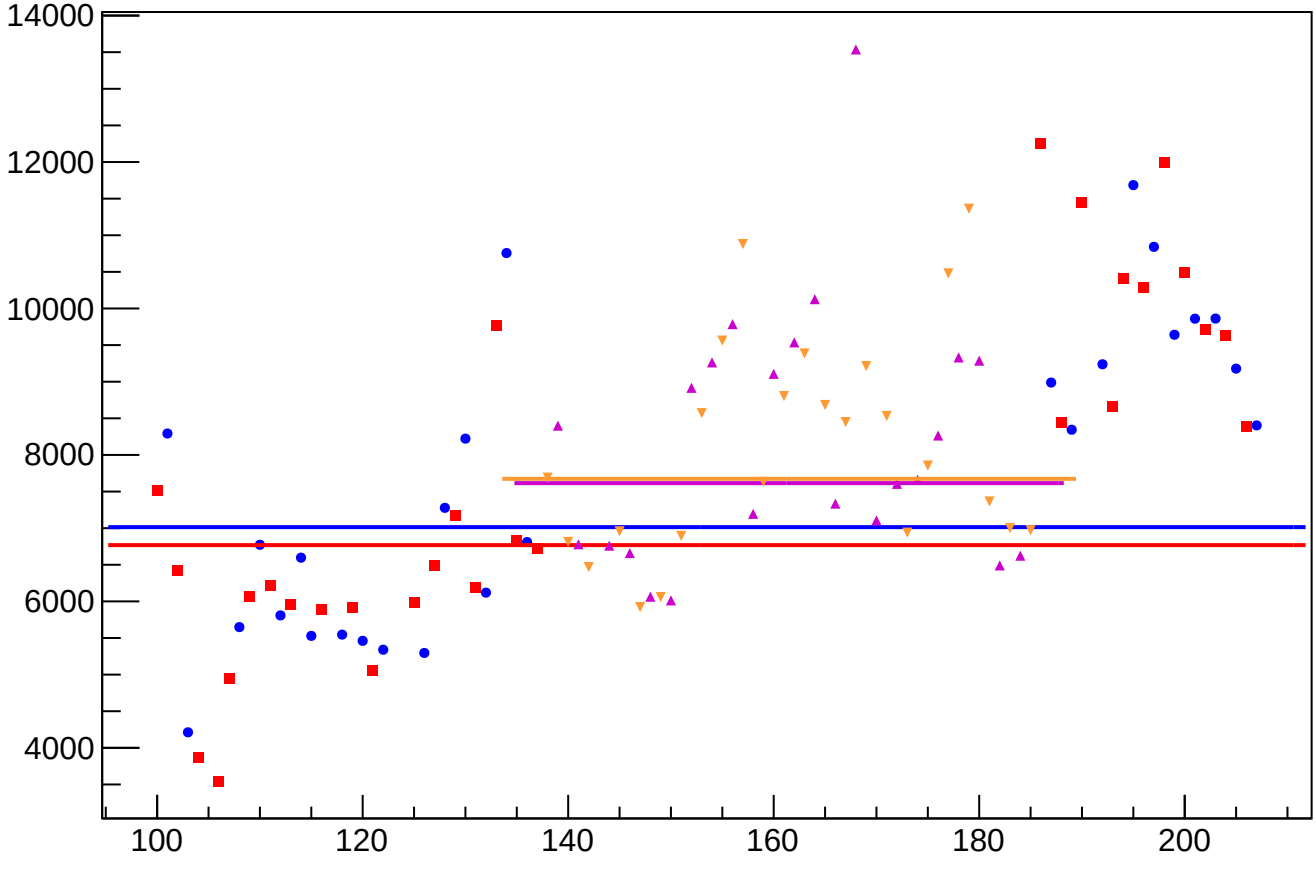
In: 1568.529+/-0.194 χ^2/NDF:914980.9/48

Out: 1566.006+/-0.190 χ^2/NDF:795278.2/52

All: 1567.244+/-0.136 χ^2/NDF: 1710345.6/10


asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
−40000
100
120
140
160
180
200
Right In: 336.371+/-1892.226 χ²/NDF: 28.7/25
Left Out: 426.702+/-1819.879 χ²/NDF:29.4/23
Right Out: 2465.446+/-1791.809 χ²/NDF: 29.0/28
Left In: 126.376+/-1814.828 χ²/NDF:13.9/22
Left: 276.121+/-1285.059 χ²/NDF: 43.3/46
Right: 1458.898+/-1301.052 χ²/NDF: 58.4/54
In: 226.991+/-1309.785 χ²/NDF:42.5/48
Out: 1461.918+/-1276.809 χ²/NDF:59.1/52
All: 860.196+/-914.276 χ²/NDF: 102.0/101

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 7013.981+/-1.338 χ^2/NDF: 2306914.6/25

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

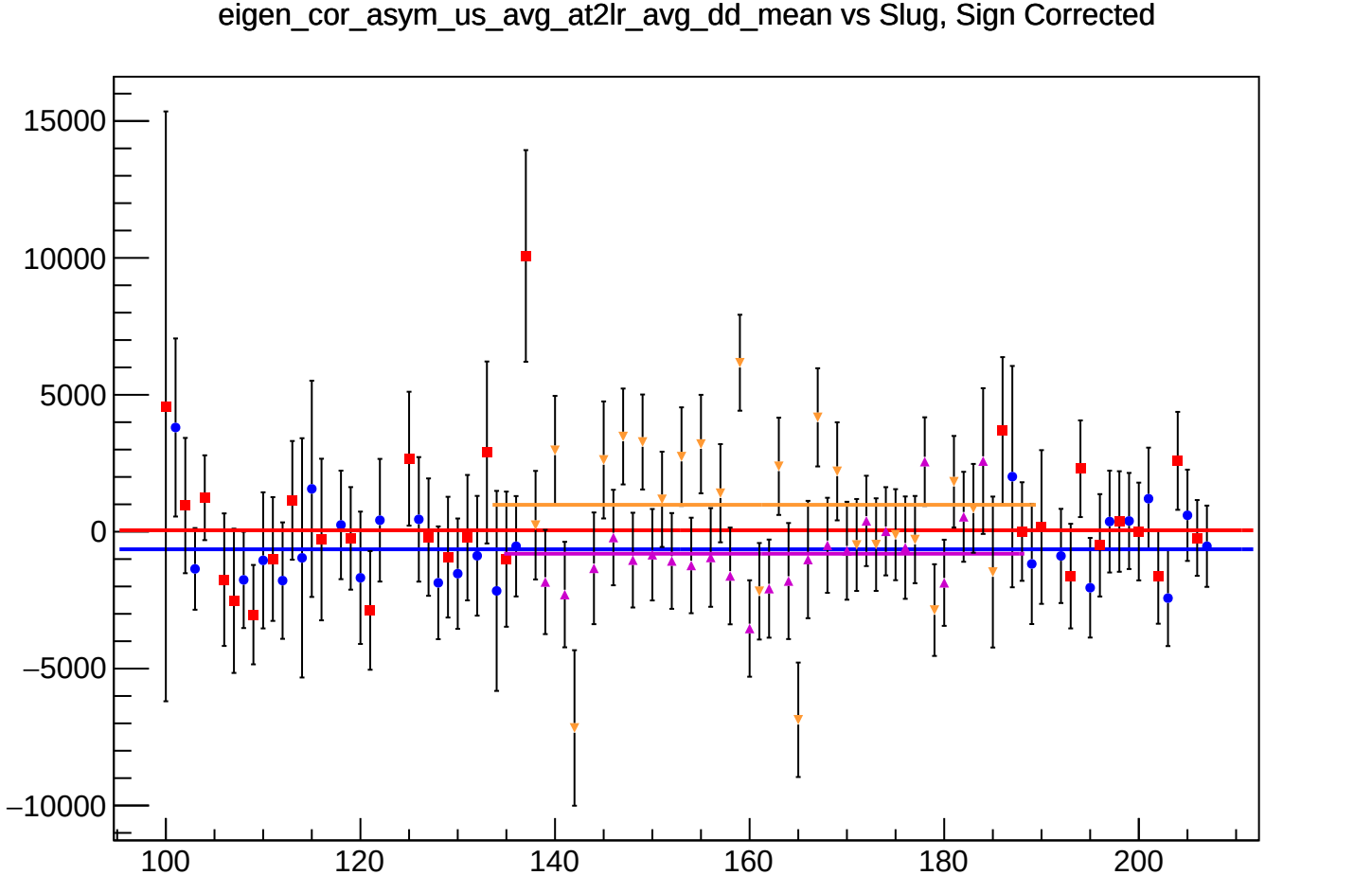
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6884.531+/-0.920 χ^2/NDF: 5443100.5/54

In: 7327.014+/-0.926 χ^2/NDF:3636524.6/48

Out: 7214.221+/-0.903 χ^2/NDF:4446618.9/52

All: 7269.180+/-0.646 χ^2/NDF: 8090748.6/10



Right In: -642.163+/-401.668 χ^2/NDF: 9.0/25

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 51.712+/-390.130 χ^2/NDF: 24.0/28

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

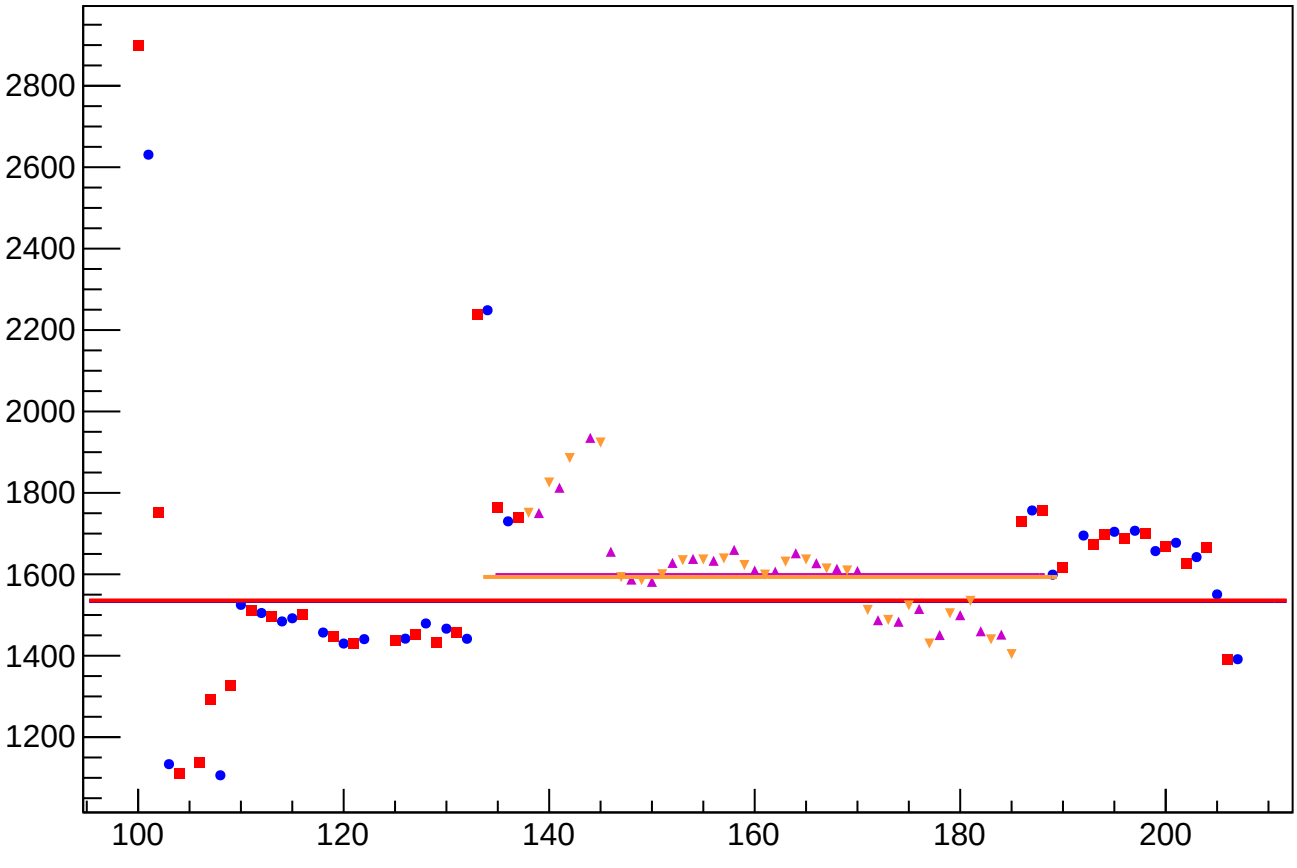
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -285.116+/-279.854 χ^2/NDF: 34.6/54

In: -728.717+/-273.743 χ^2/NDF:21.6/48

Out: 540.268+/-268.786 χ^2/NDF:82.5/52

All: -82.630+/-191.789 χ^2/NDF: 115.0/101



Right In: 1534.412+/-0.284 χ^2/NDF: 718879.5/25

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

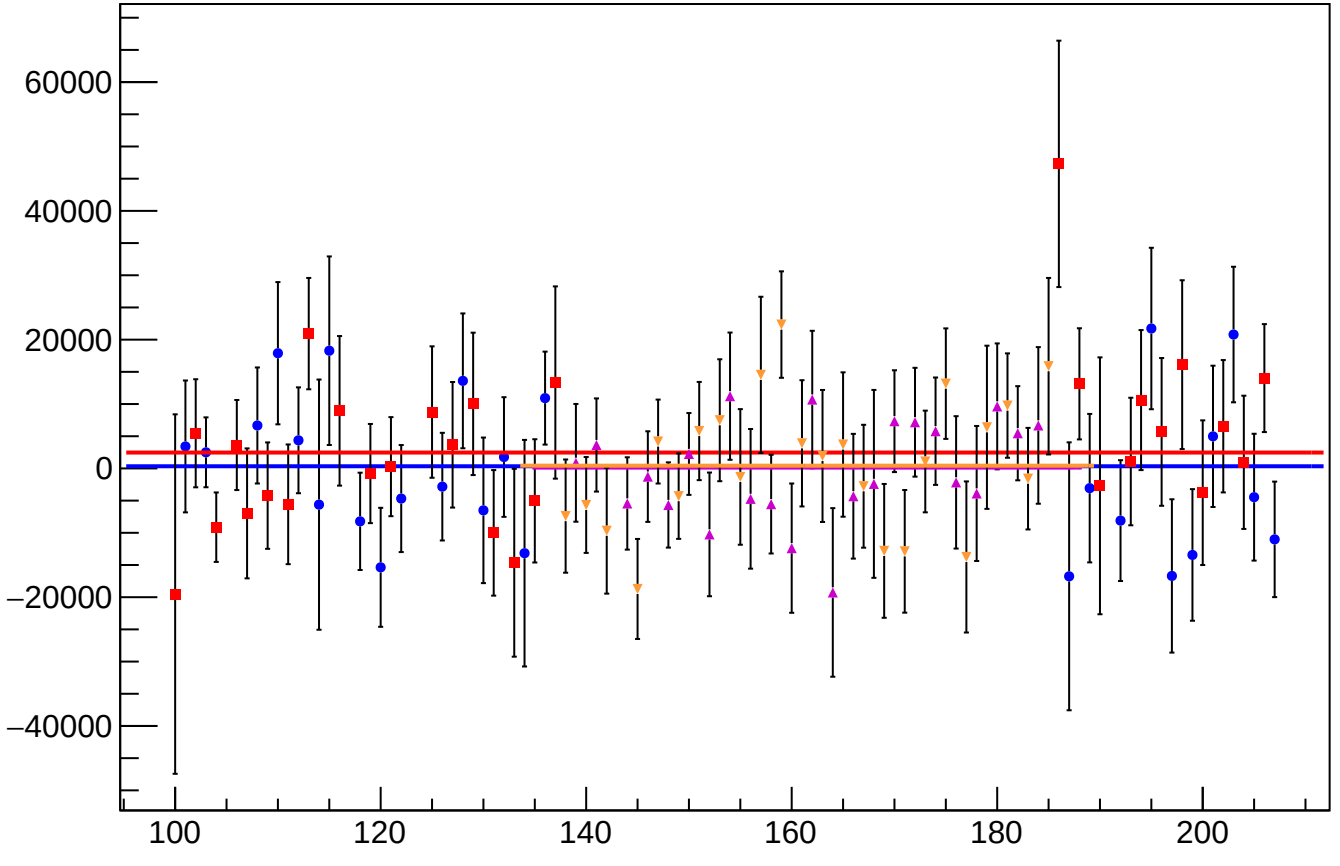
Right: 1535.059+/-0.198 χ^2/NDF: 1303452.7/54

In: 1568.529+/-0.194 χ^2/NDF:914980.9/48

Out: 1566.006+/-0.190 χ^2/NDF:795278.2/52

All: 1567.244+/-0.136 χ^2/NDF: 1710345.6/10

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 336.371+/-1892.226 χ^2/NDF: 28.7/25

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

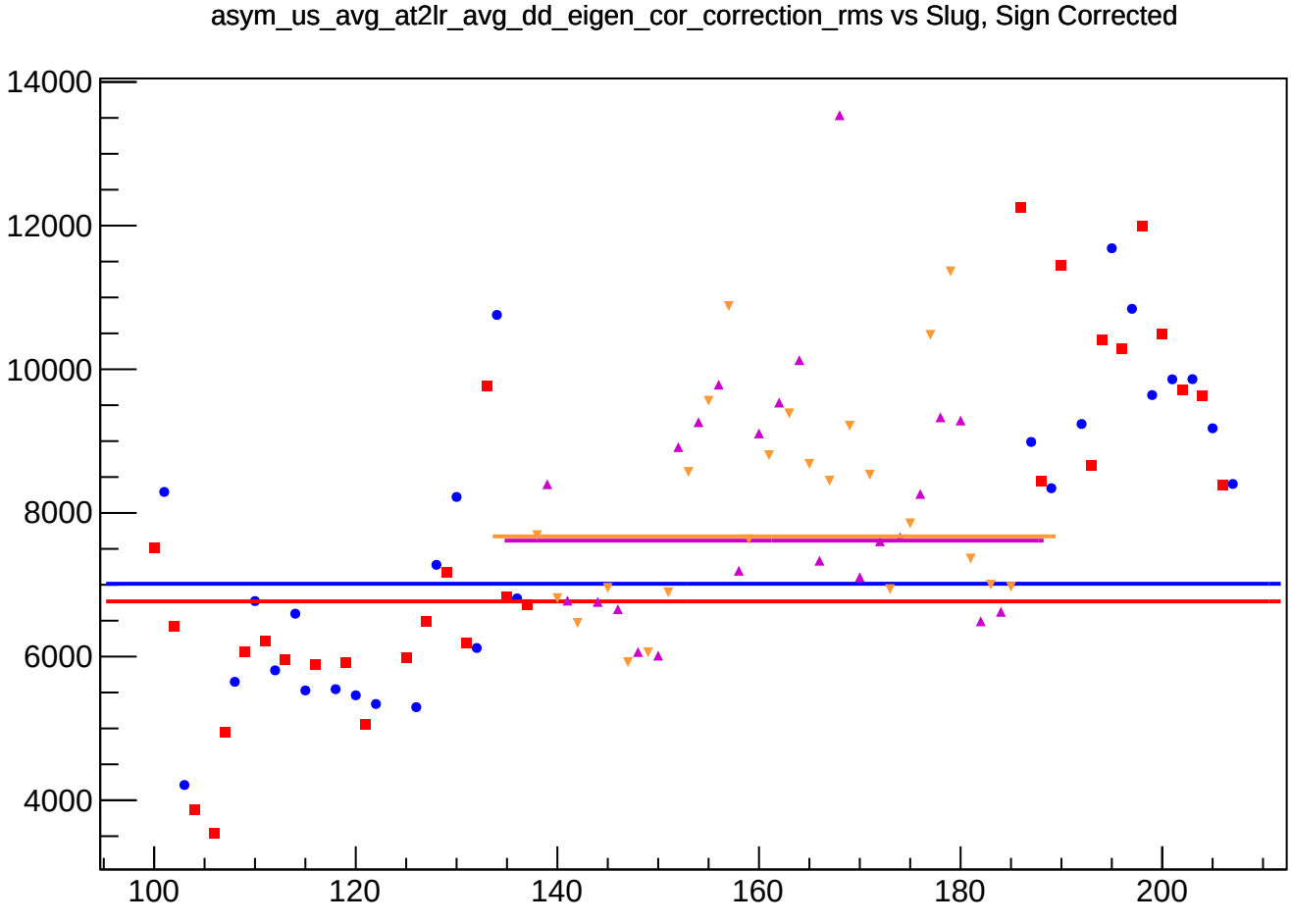
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

Right: 1458.898+/-1301.052 χ^2/NDF: 58.4/54

In: 226.991+/-1309.785 χ^2/NDF:42.5/48

Out: 1461.918+/-1276.809 χ^2/NDF:59.1/52

All: 860.196+/-914.276 χ^2/NDF: 102.0/101



Right In: 7013.981+/-1.338 χ^2/NDF: 2306914.6/25

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

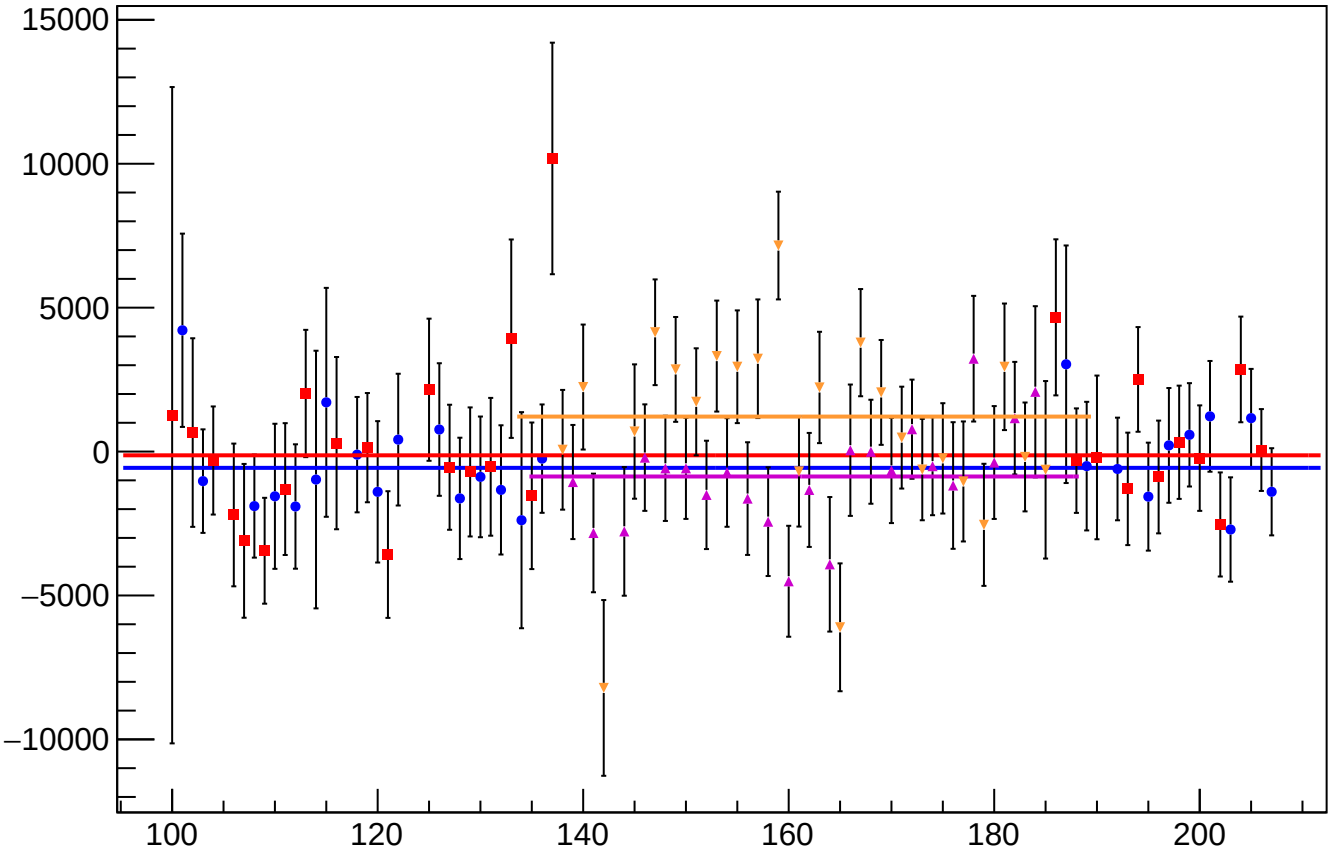
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6884.531+/-0.920 χ^2/NDF: 5443100.5/54

In: 7327.014+/-0.926 χ^2/NDF:3636524.6/48

Out: 7214.221+/-0.903 χ^2/NDF:4446618.9/52

All: 7269.180+/-0.646 χ^2/NDF: 8090748.6/10



Right In: -565.835+/-416.493 χ^2/NDF: 10.1/25

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

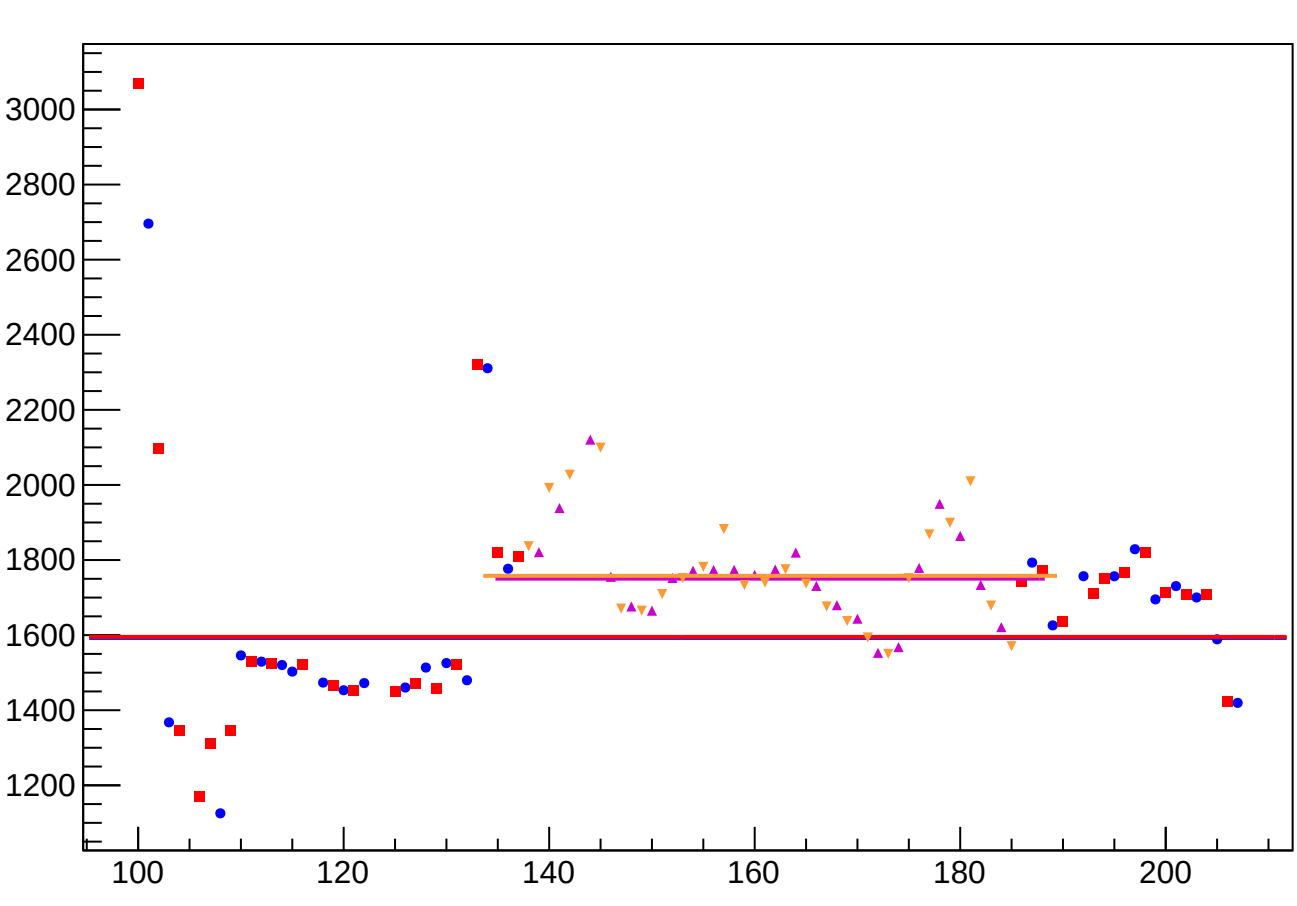
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -342.454+/-290.744 χ^2/NDF: 39.0/54

In: -718.272+/-292.196 χ^2/NDF:25.4/48

Out: 536.788+/-288.364 χ^2/NDF:82.3/52

All: -82.457+/-205.245 χ^2/NDF: 117.1/101



Right In: 1592.718+/-0.295 χ^2/NDF: 630823.4/25

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

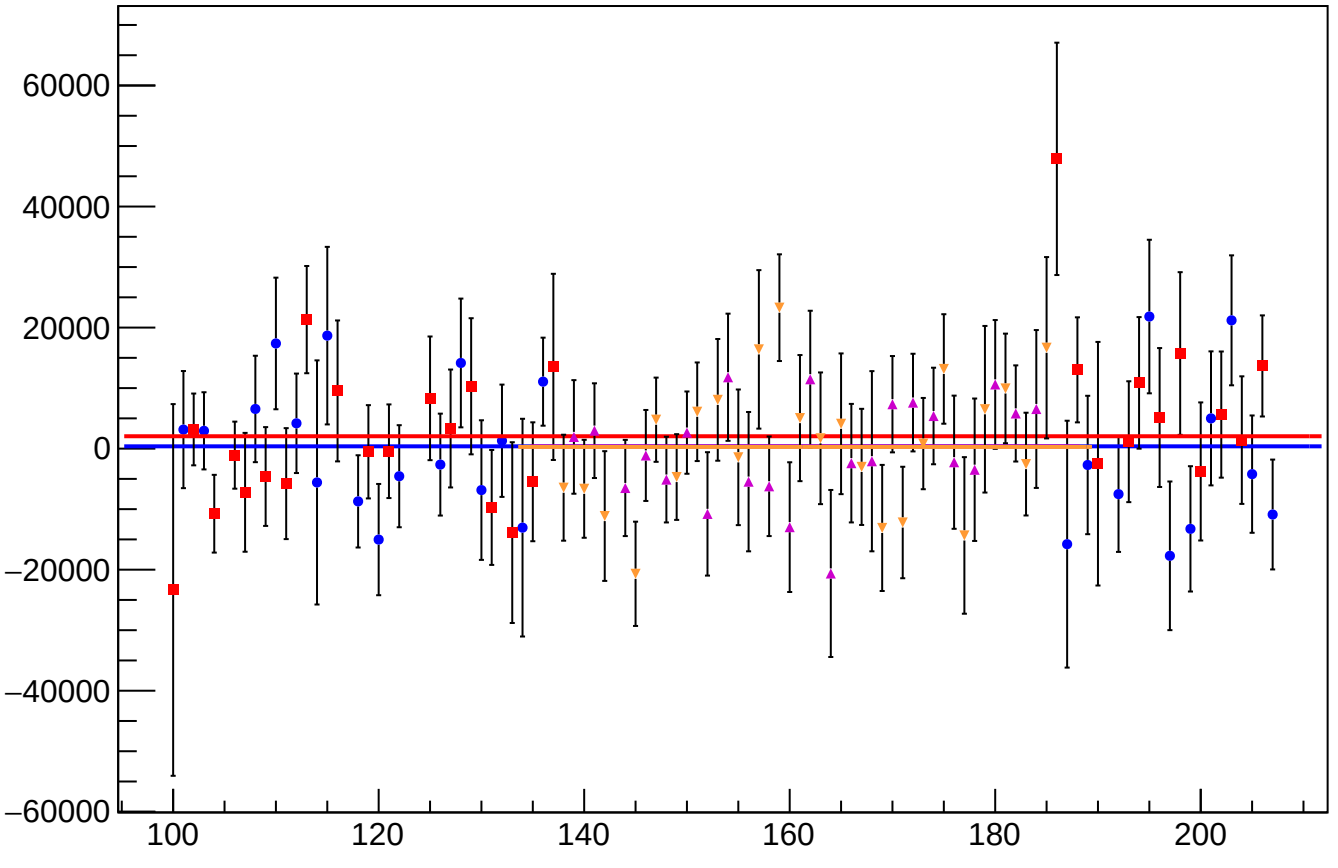
Left: 1754.225+/-0.205 χ^2/NDF: 385507.3/46

Right: 1594.011+/-0.206 χ^2/NDF: 1162022.5/54

In: 1672.829+/-0.207 χ^2/NDF:948428.2/48

Out: 1675.886+/-0.204 χ^2/NDF:903678.1/52

All: 1674.378+/-0.145 χ^2/NDF: 1852217.1/10



Right In: 380.230+/-1929.525 χ^2/NDF: 28.4/25

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

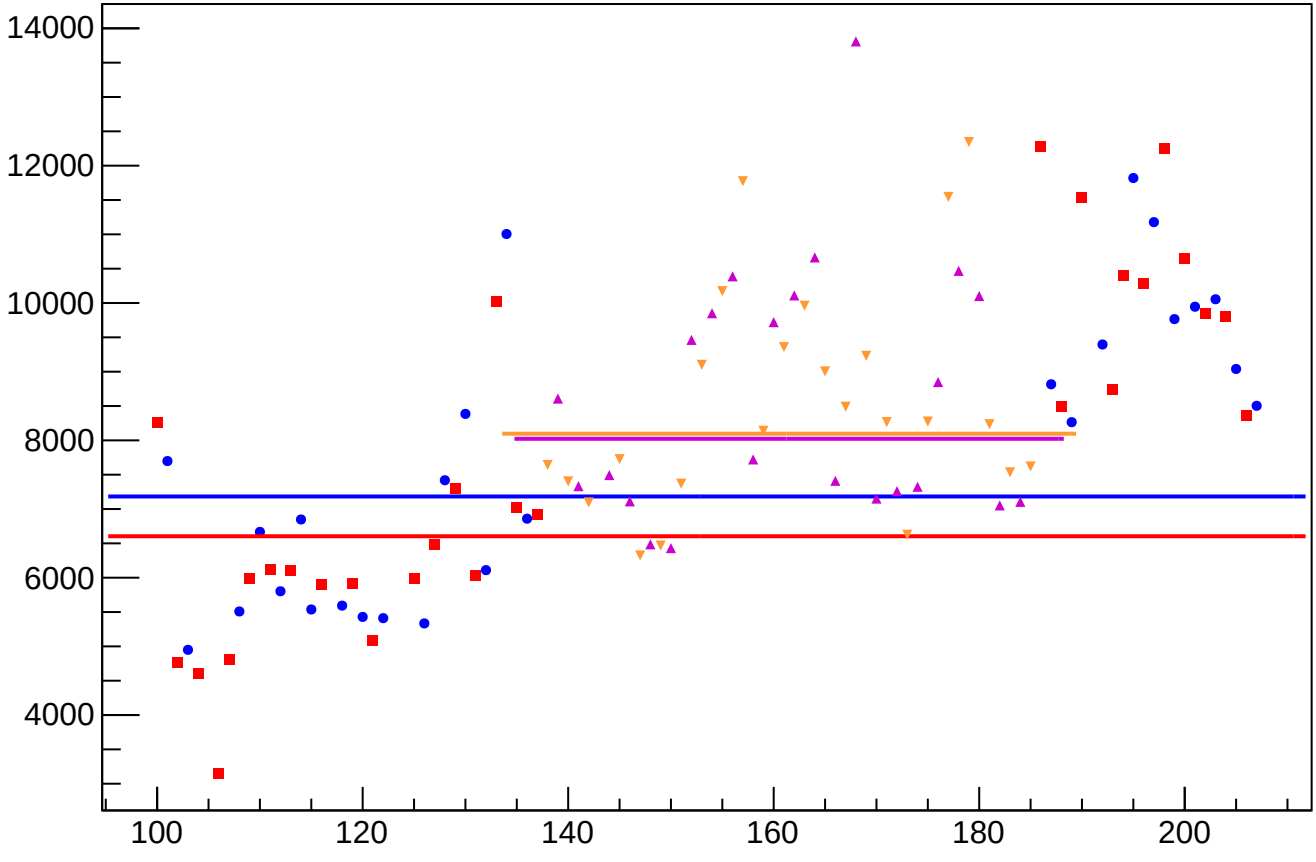
Right: 1293.151+/-1297.118 χ^2/NDF: 57.6/54

In: 381.456+/-1358.280 χ^2/NDF:42.0/48

Out: 1245.823+/-1294.253 χ^2/NDF:57.9/52

All: 834.491+/-936.993 χ^2/NDF: 100.1/101

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7182.825+/-1.364 χ^2/NDF: 2023420.6/25

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

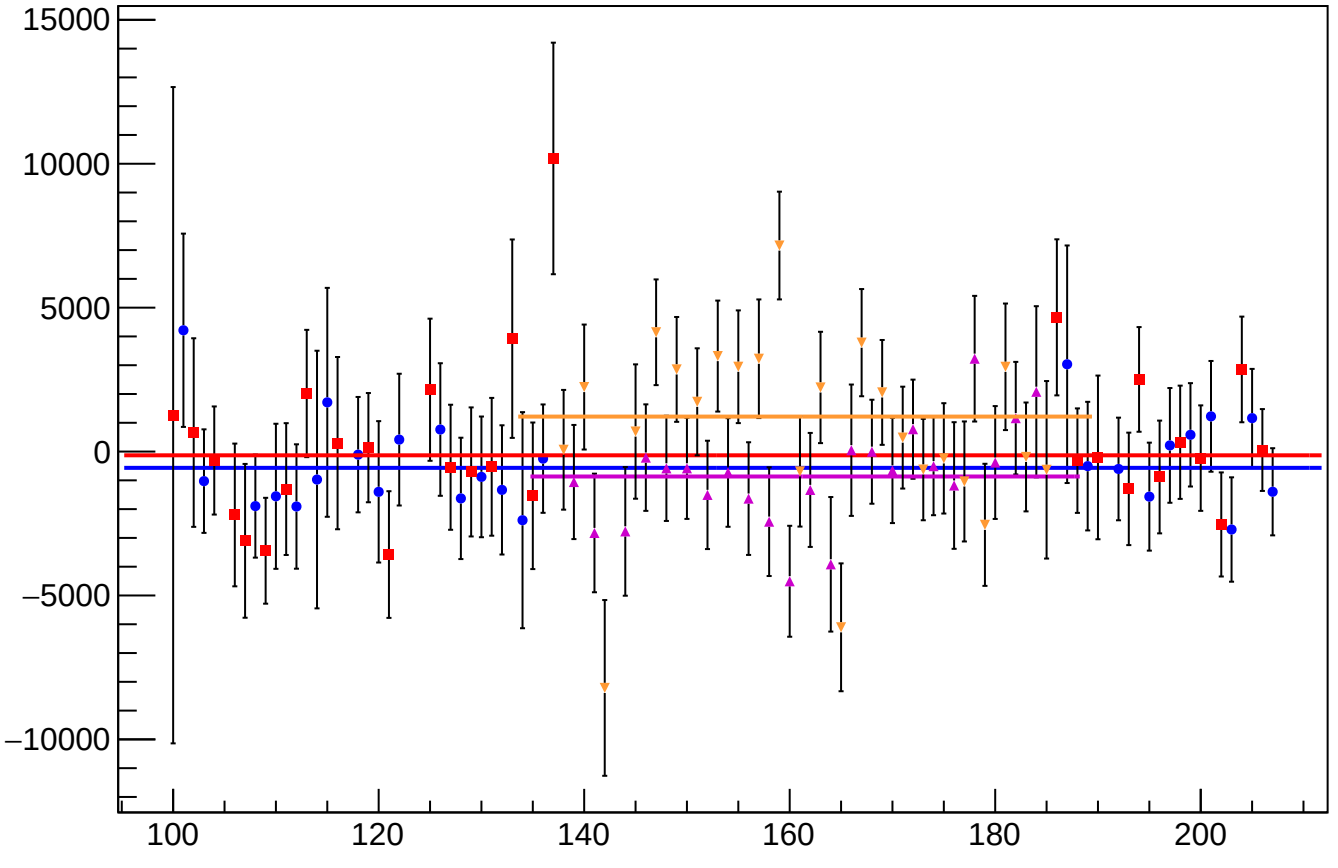
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6865.281+/-0.917 χ^2/NDF: 5615220.6/54

In: 7606.523+/-0.960 χ^2/NDF:3440136.9/48

Out: 7281.941+/-0.915 χ^2/NDF:5240886.7/52

All: 7436.402+/-0.663 χ^2/NDF: 8740883.0/10



Right In: -565.833+/-416.493 χ^2/NDF: 10.1/25

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

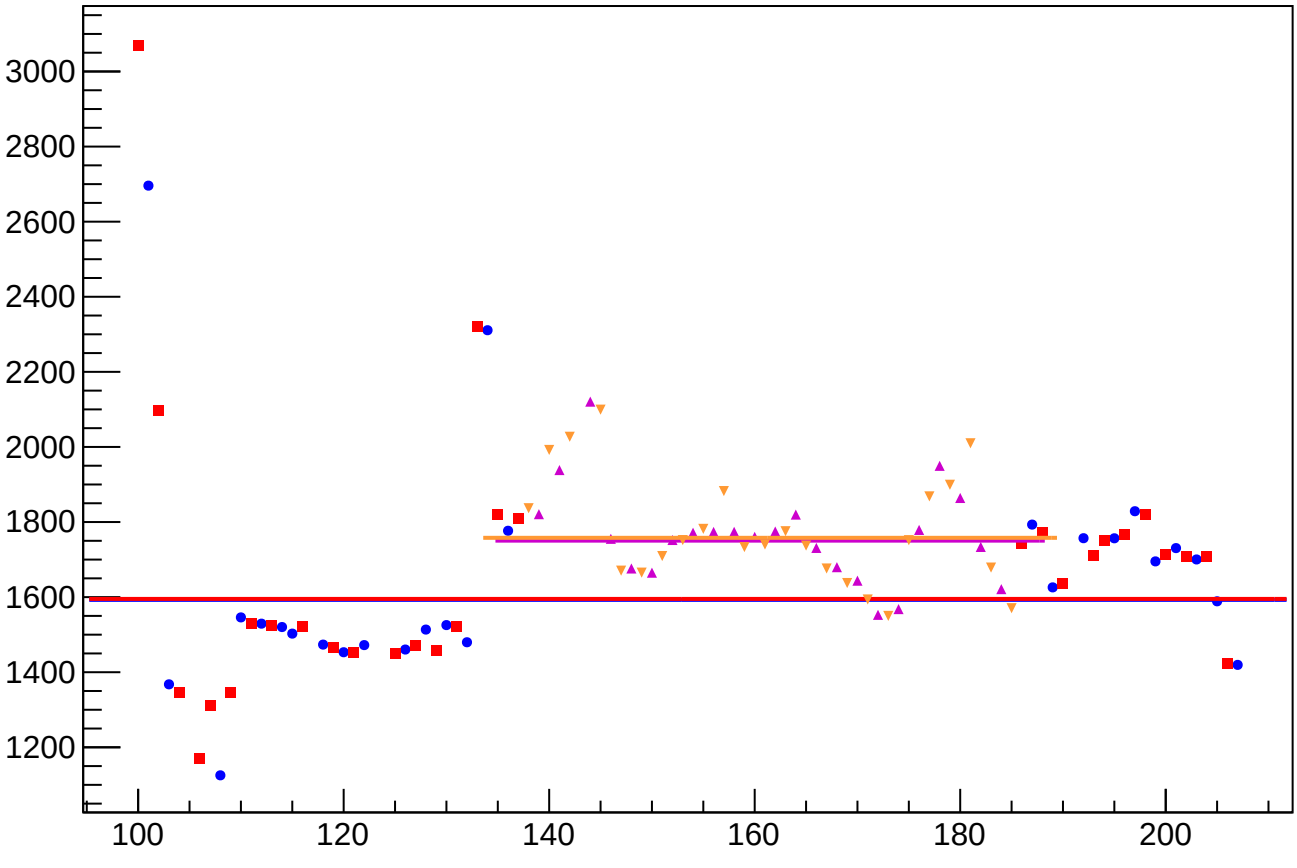
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -342.454+/-290.744 χ^2/NDF: 39.0/54

In: -718.271+/-292.196 χ^2/NDF:25.4/48

Out: 536.790+/-288.364 χ^2/NDF:82.3/52

All: -82.455+/-205.246 χ^2/NDF: 117.1/101



Right In: 1592.718+/-0.295 χ^2/NDF: 630823.2/25

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

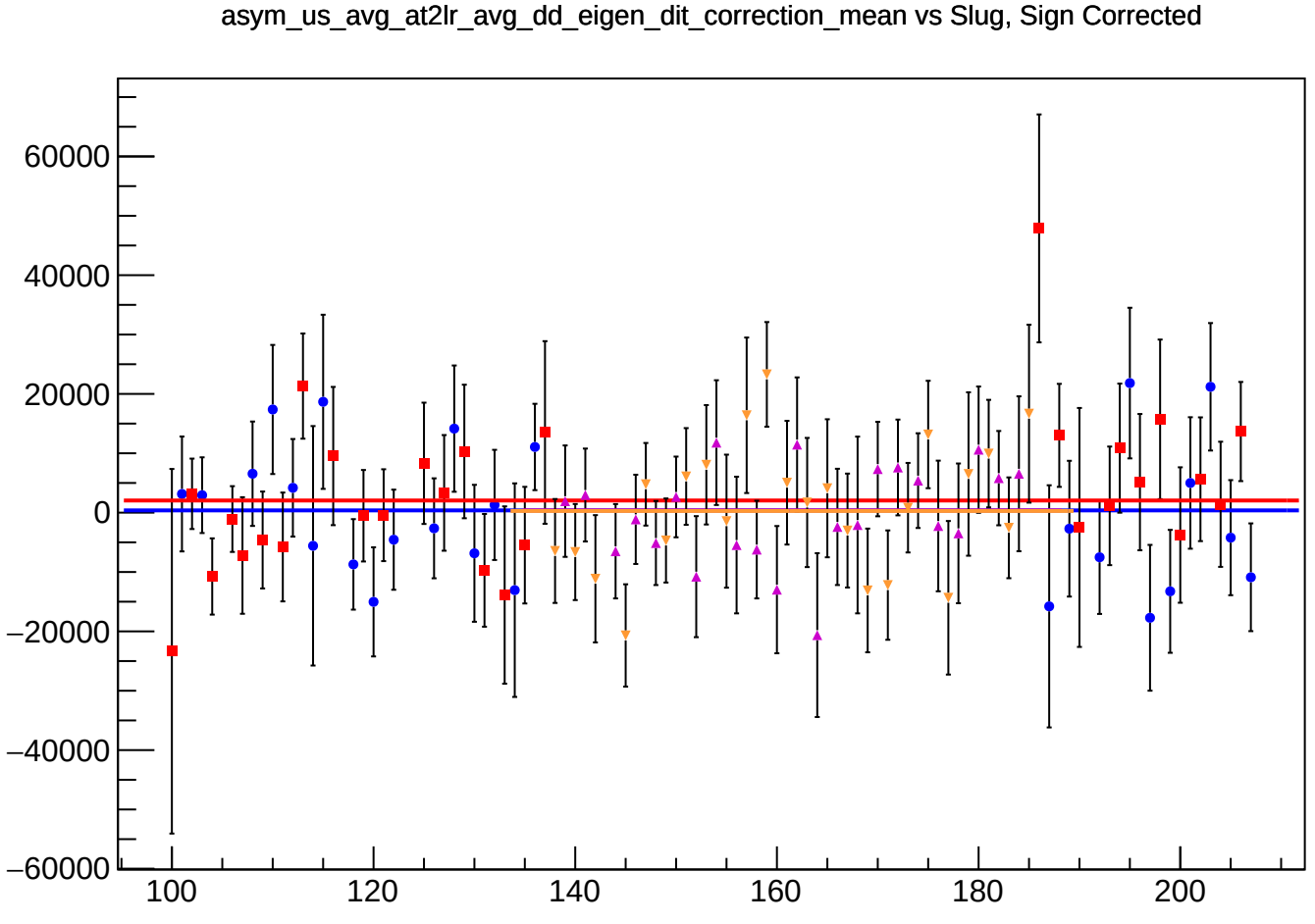
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1594.011+/-0.206 χ^2/NDF: 1162024.0/54

In: 1672.831+/-0.207 χ^2/NDF:948440.8/48

Out: 1675.887+/-0.204 χ^2/NDF:903692.5/52

All: 1674.379+/-0.145 χ^2/NDF: 1852244.2/10



Right In: 380.221+/-1929.524 χ^2/NDF: 28.4/25

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

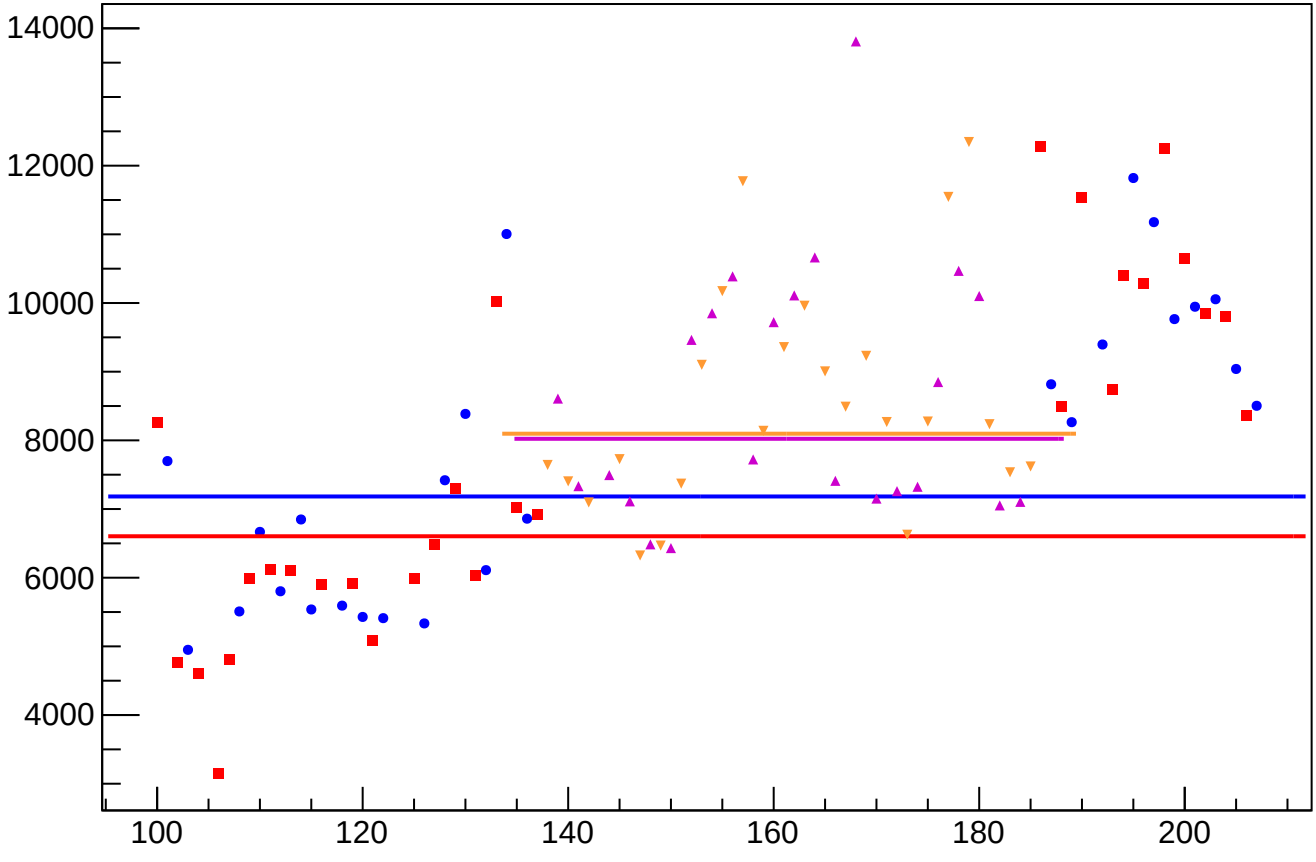
Right: 1293.140+/-1297.116 χ^2/NDF: 57.6/54

In: 381.453+/-1358.280 χ^2/NDF:42.0/48

Out: 1245.819+/-1294.253 χ^2/NDF:57.9/52

All: 834.488+/-936.993 χ^2/NDF: 100.1/101

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7182.815+/-1.364 χ^2/NDF: 2023446.1/25

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

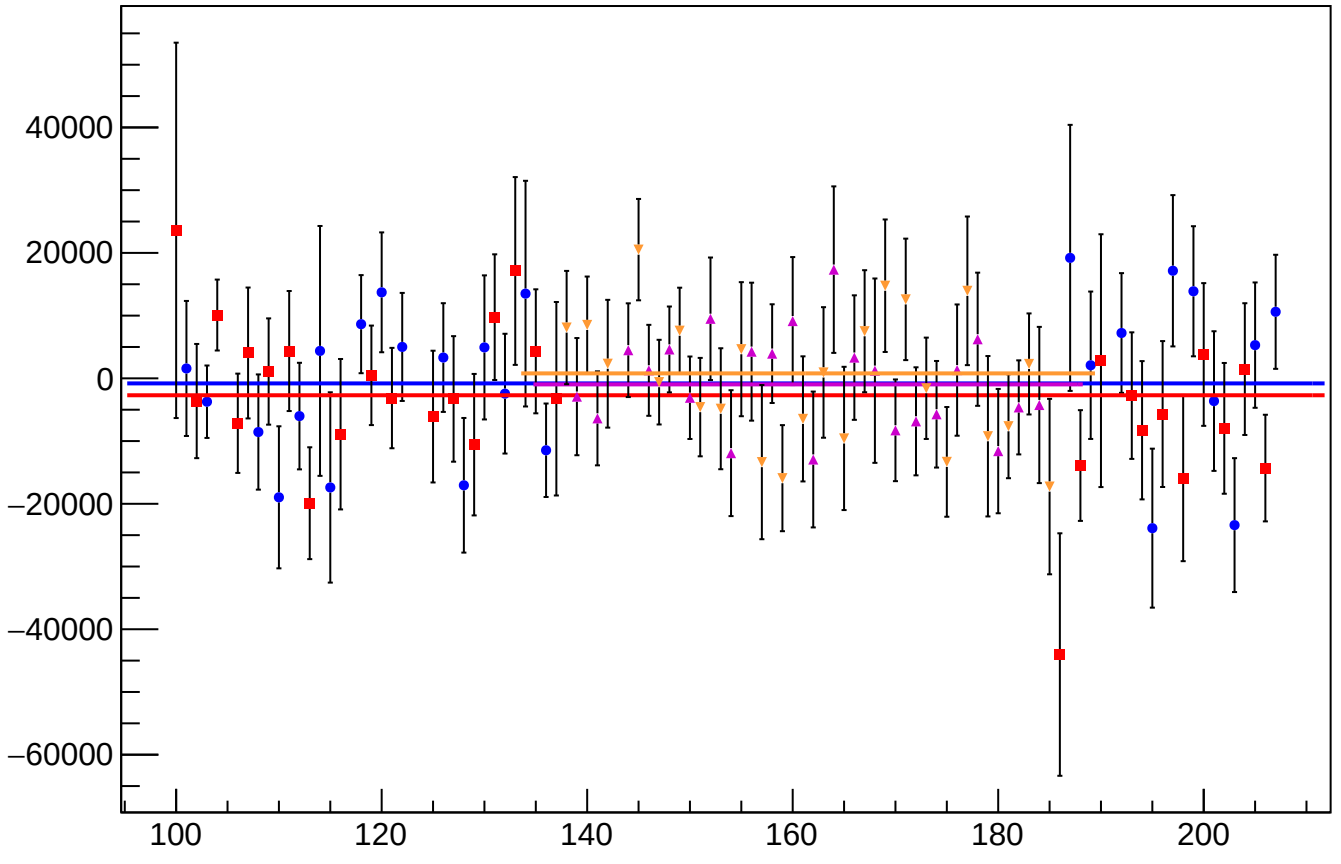
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6865.271+/-0.917 χ^2/NDF: 5615271.3/54

In: 7606.523+/-0.960 χ^2/NDF:3440176.4/48

Out: 7281.939+/-0.915 χ^2/NDF:5240933.3/52

All: 7436.401+/-0.663 χ^2/NDF: 8740969.7/10



Right In: -805.986+/-1949.029 χ^2/NDF: 30.6/25

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2696.332+/-1856.176 χ^2/NDF: 26.1/28

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

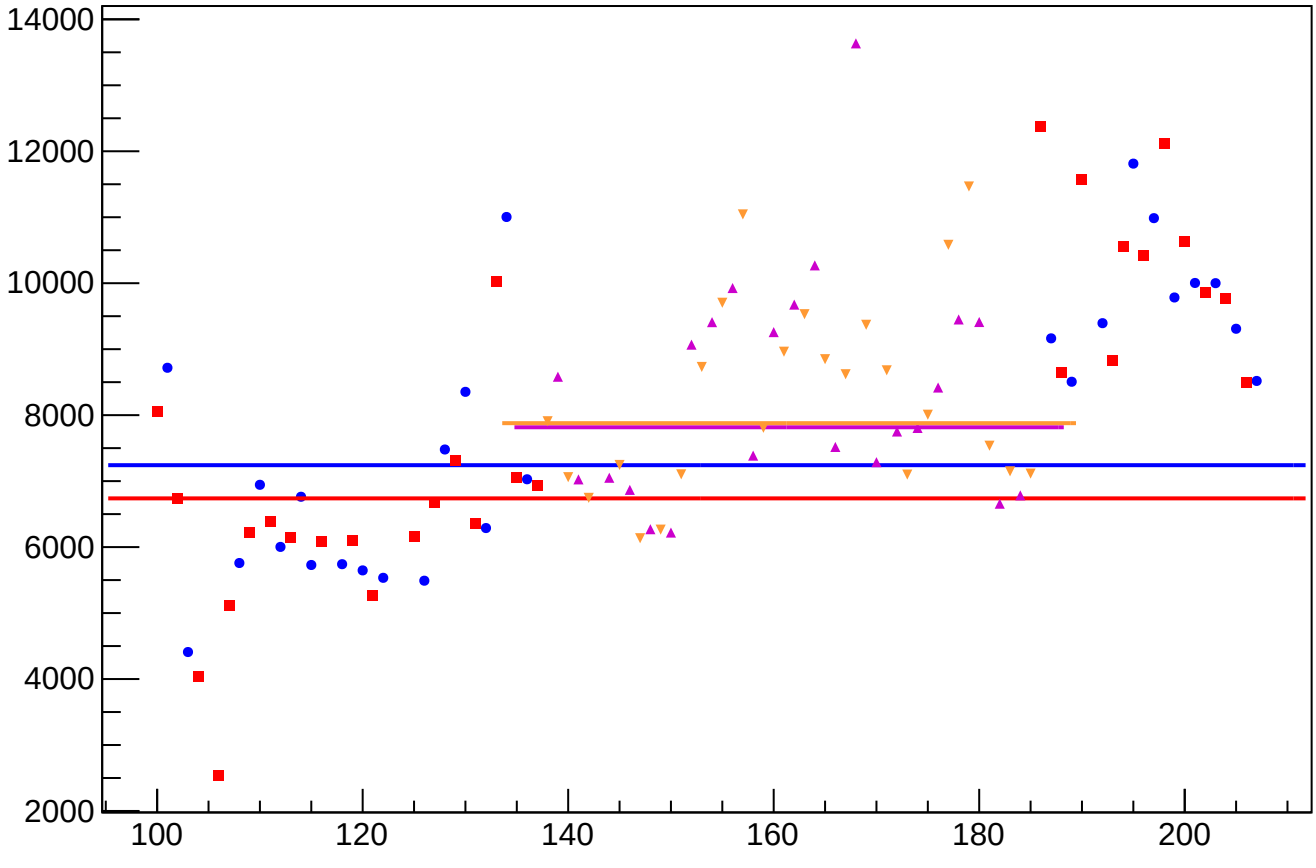
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1797.259+/-1344.142 χ^2/NDF: 57.2/54

In: -888.670+/-1345.564 χ^2/NDF:43.4/48

Out: -960.908+/-1315.662 χ^2/NDF:55.0/52

All: -925.601+/-940.707 χ^2/NDF: 98.5/101



Right In: 7241.652+/-1.378 χ^2/NDF: 2150738.5/25

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

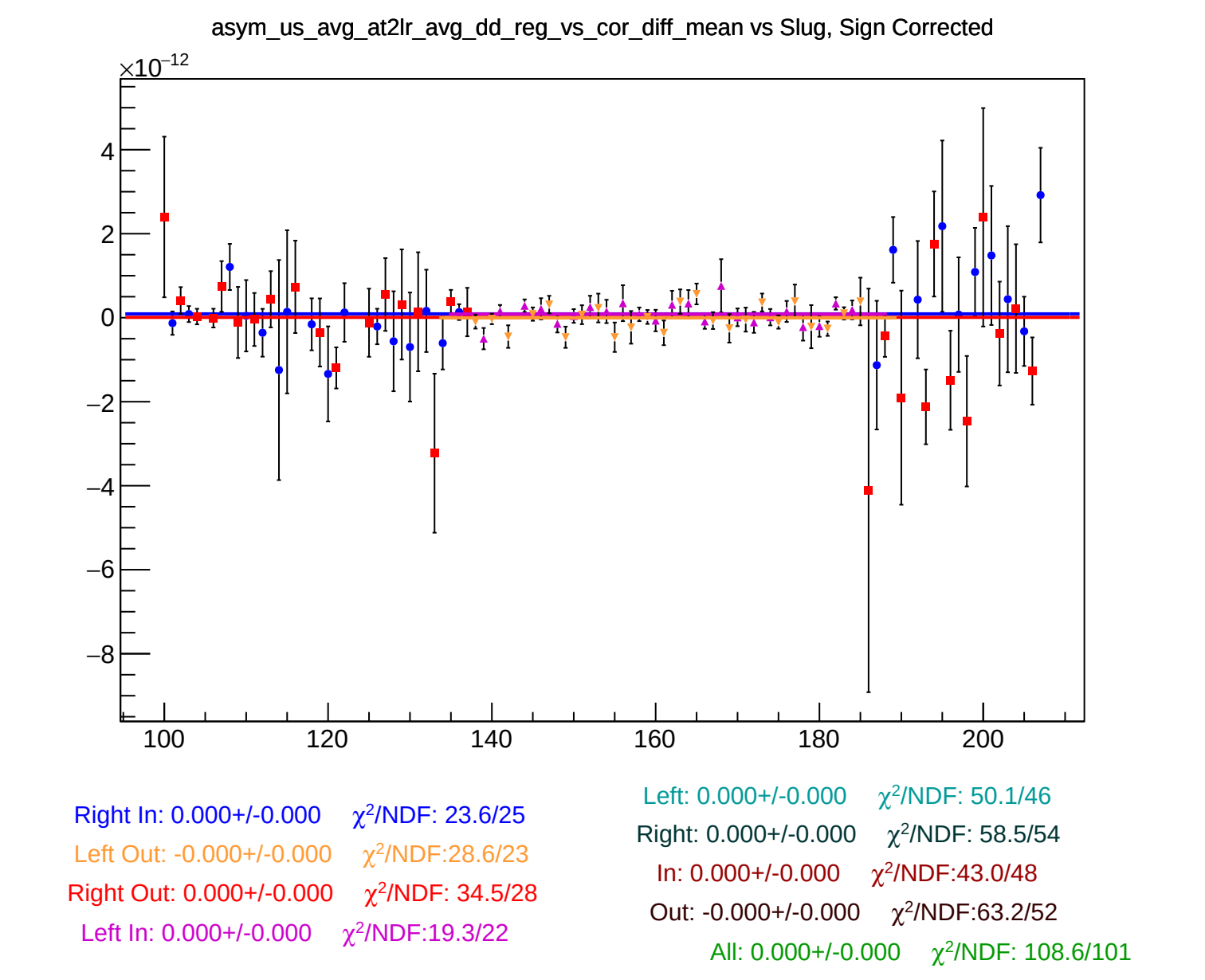
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6971.327+/-0.938 χ^2/NDF: 5952273.7/54

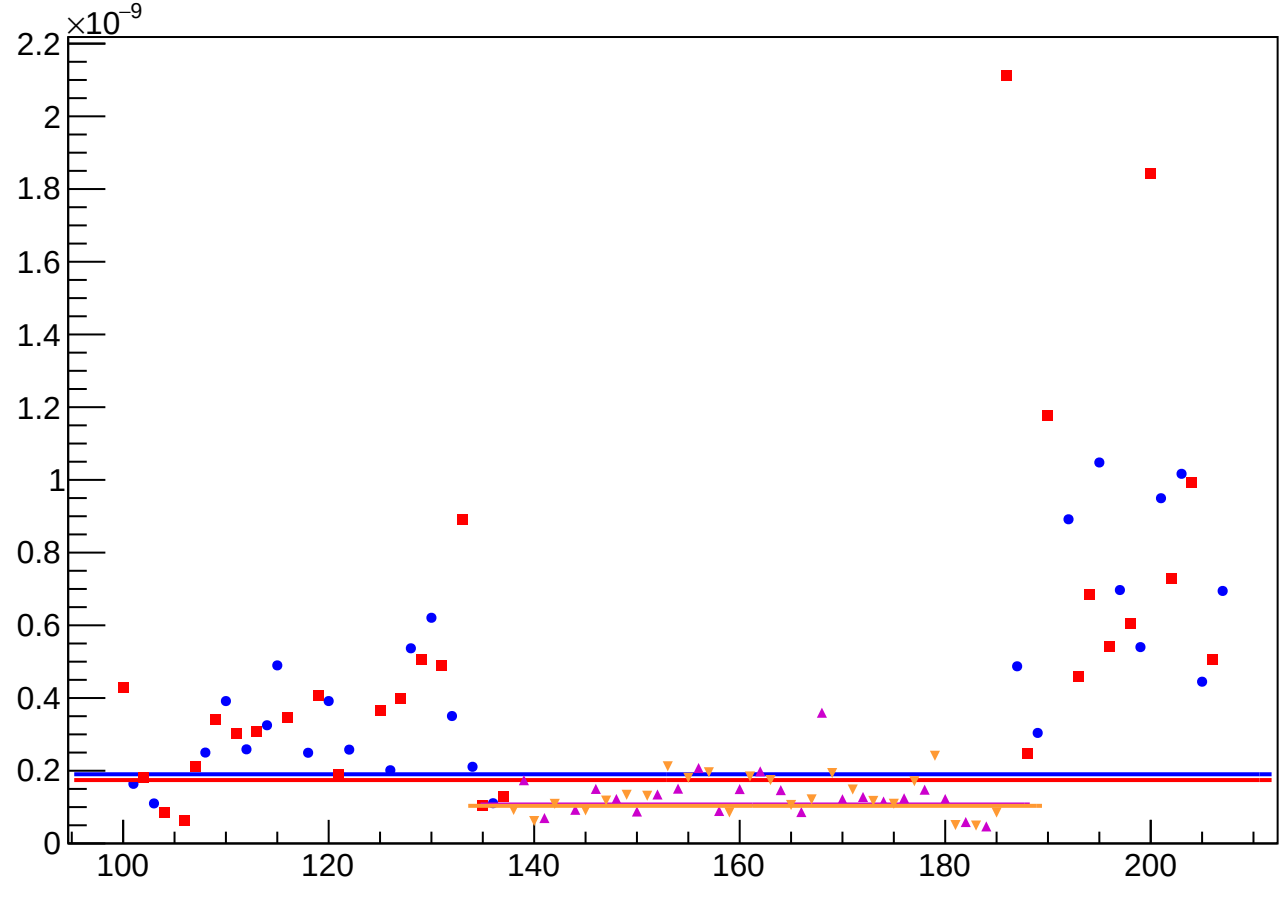
In: 7542.487+/-0.951 χ^2/NDF:3374148.2/48

Out: 7291.091+/-0.918 χ^2/NDF:5104988.3/52

All: 7412.327+/-0.661 χ^2/NDF: 8515282.7/10


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: 23.6/25
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: 58.5/54
In: 0.000+/-0.000 χ²/NDF:43.0/48
Out: -0.000+/-0.000 χ²/NDF:63.2/52
All: 0.000+/-0.000 χ²/NDF: 108.6/101

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4433927.5/25

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

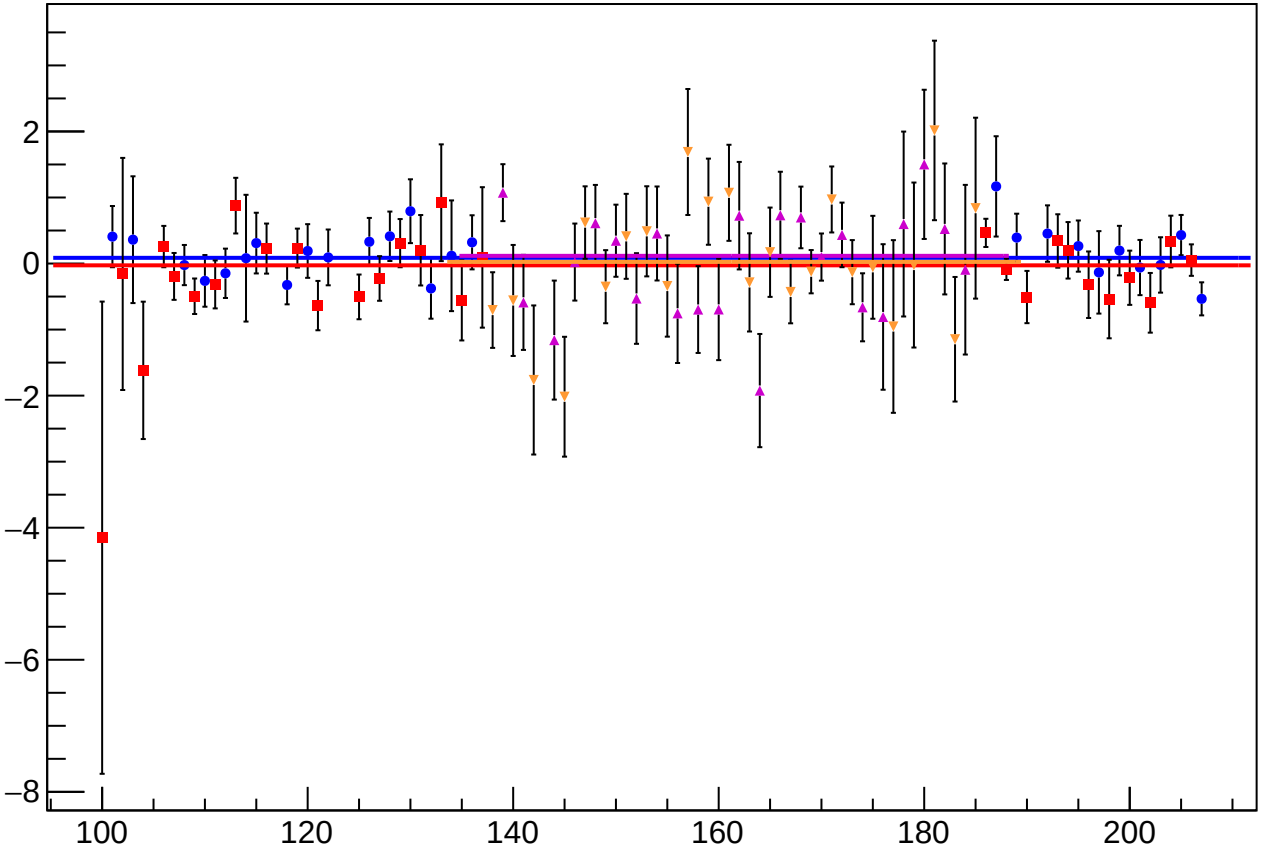
Right: 0.000+/-0.000 χ^2/NDF: 10531384.6/54

In: 0.000+/-0.000 χ^2/NDF:7179939.8/48

Out: 0.000+/-0.000 χ^2/NDF:8852694.4/52

All: 0.000+/-0.000 χ^2/NDF: 16052517.3/101

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.079 χ^2/NDF: 20.4/25

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

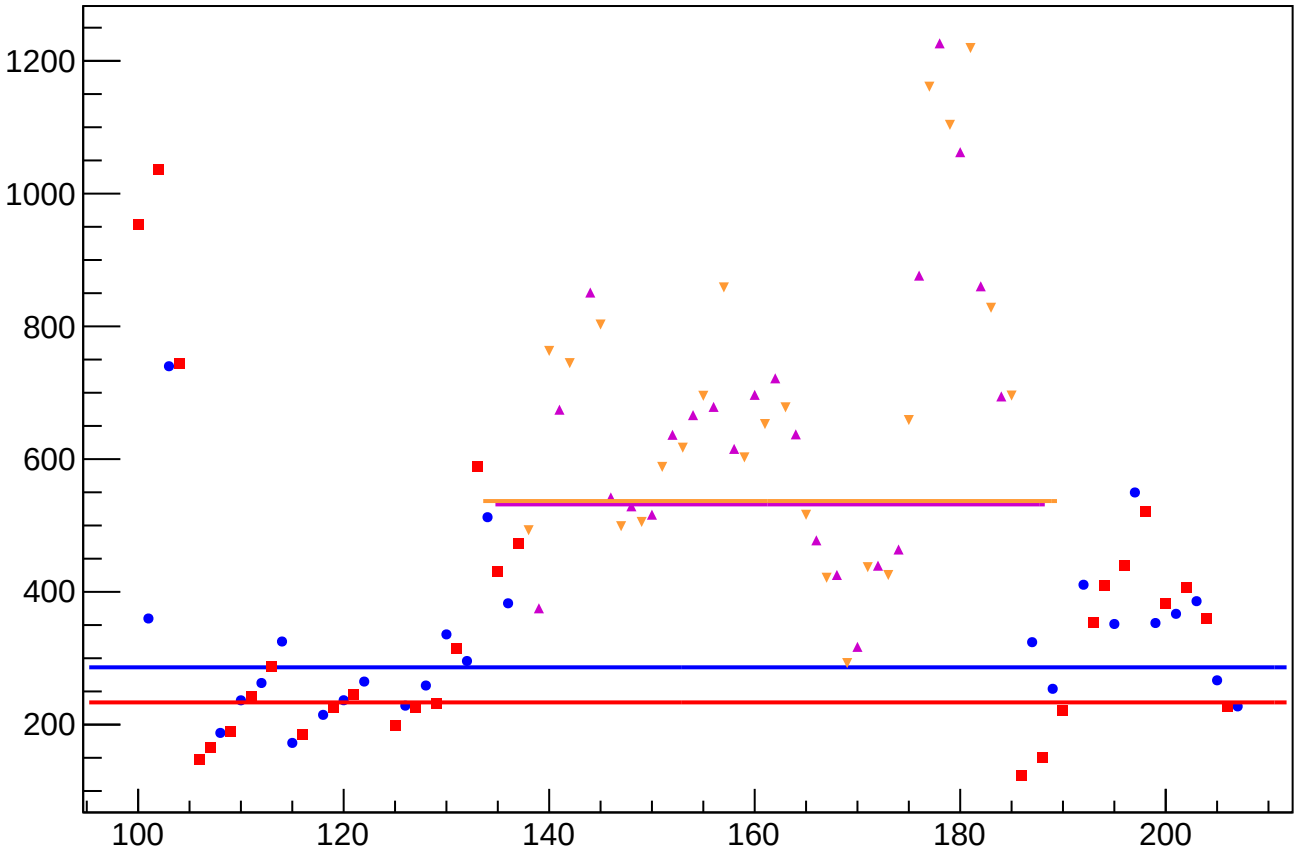
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.020+/-0.051 χ^2/NDF: 55.6/54

In: 0.094+/-0.068 χ^2/NDF:48.2/48

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.032+/-0.045 χ^2/NDF: 112.9/101



Right In: 286.330+/-0.056 χ^2/NDF: 2341934.4/25

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

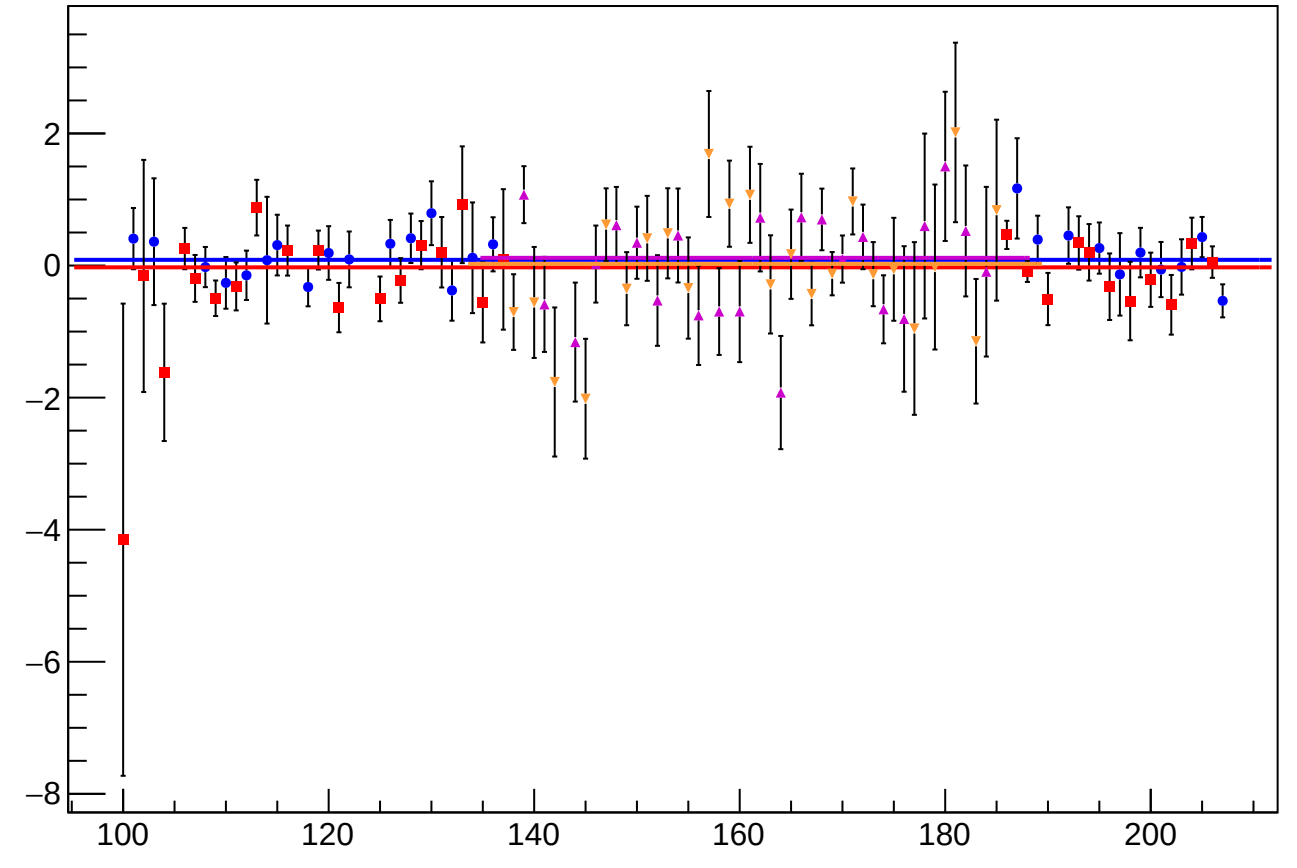
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 255.398+/-0.036 χ^2/NDF: 8052164.7/54

In: 350.825+/-0.048 χ^2/NDF:10785258.4/48

Out: 293.548+/-0.042 χ^2/NDF:17373839.4/52

All: 318.481+/-0.032 χ^2/NDF: 28962675.1/10



Right In: 0.086+/-0.079 χ^2/NDF: 20.4/25

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

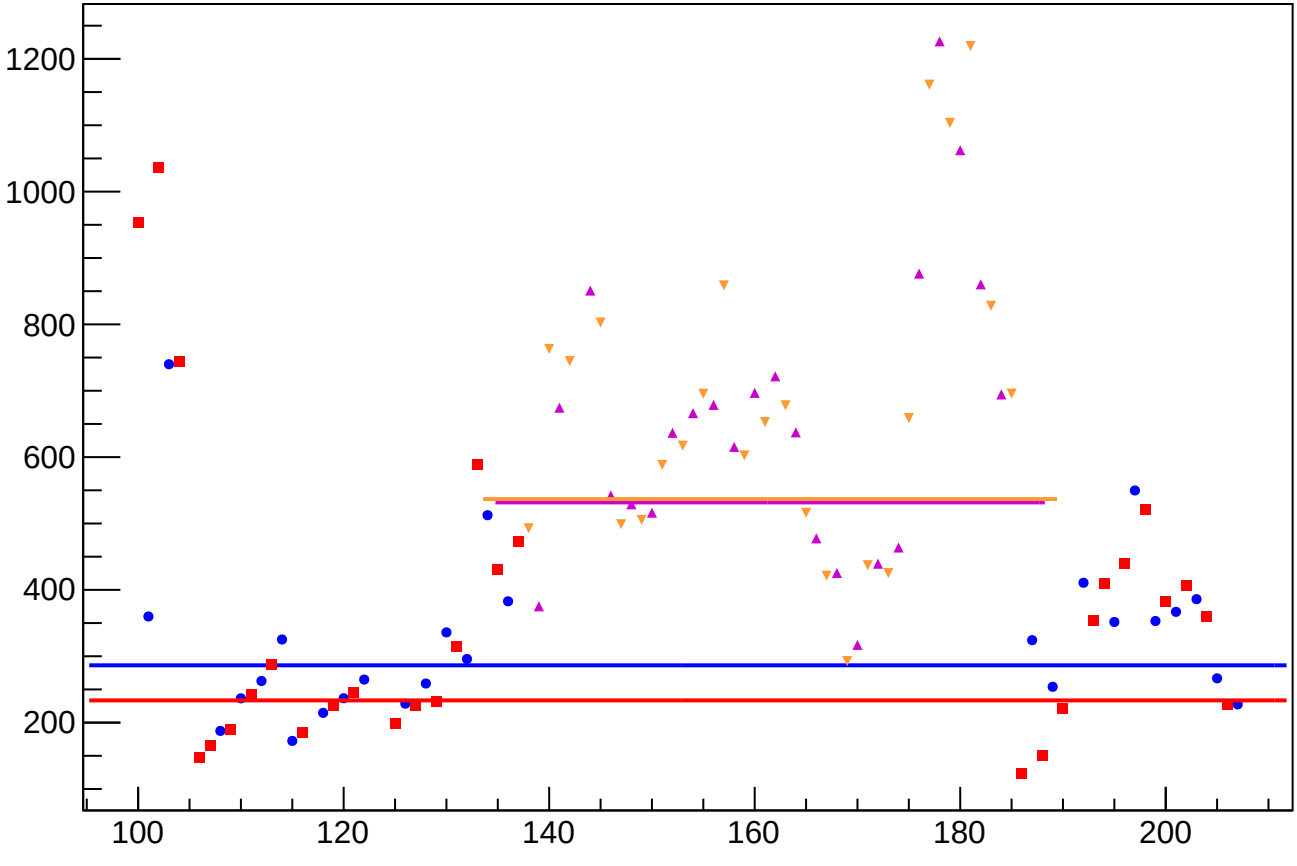
Right: 0.020+/-0.051 χ^2/NDF: 55.6/54

In: 0.094+/-0.068 χ^2/NDF:48.2/48

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.032+/-0.045 χ^2/NDF: 112.9/101

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 286.330+/-0.056 χ^2/NDF: 2341934.4/25

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

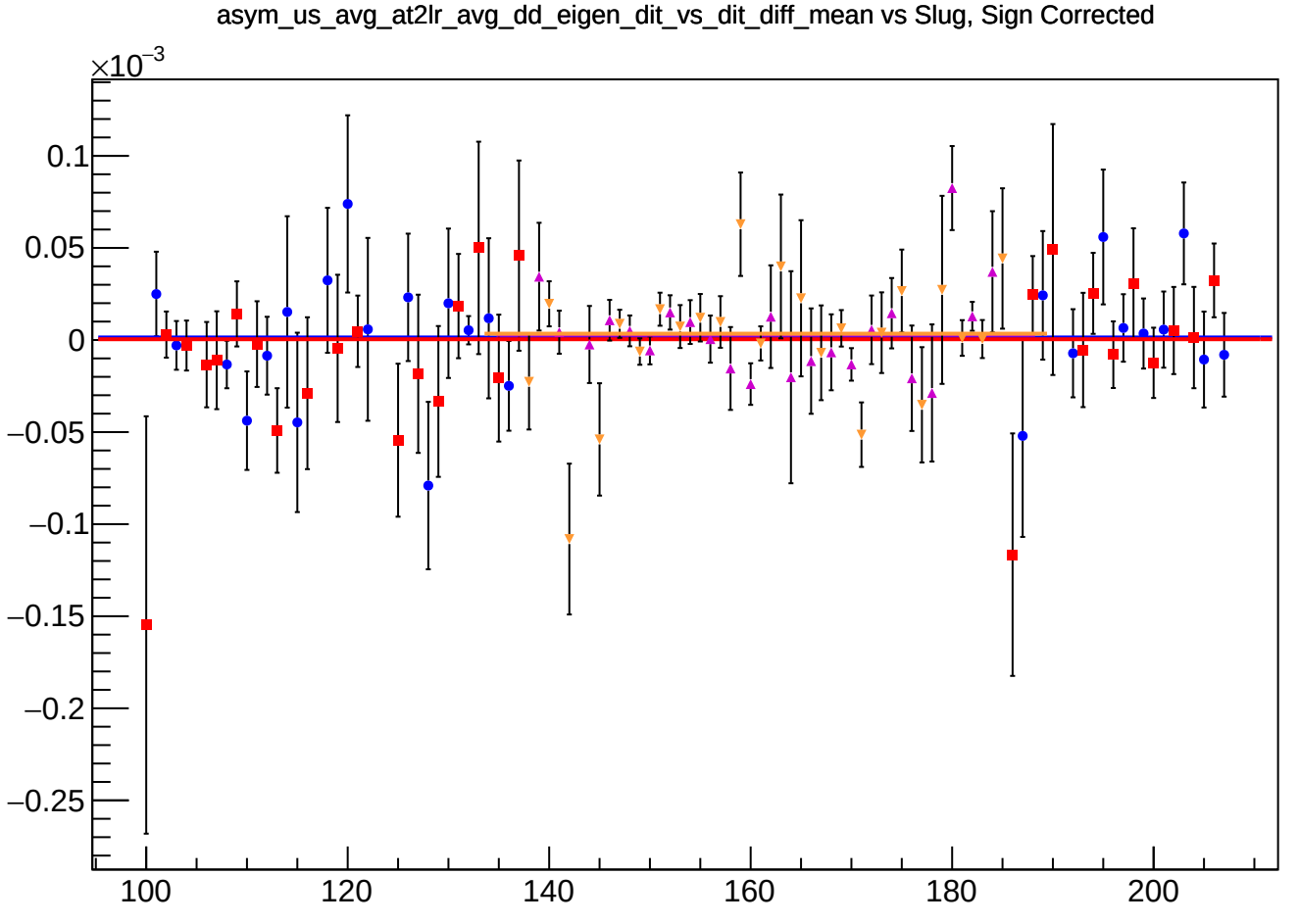
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 255.398+/-0.036 χ^2/NDF: 8052164.7/54

In: 350.825+/-0.048 χ^2/NDF:10785258.4/48

Out: 293.548+/-0.042 χ^2/NDF:17373839.4/52

All: 318.481+/-0.032 χ^2/NDF: 28962675.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.0/25

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

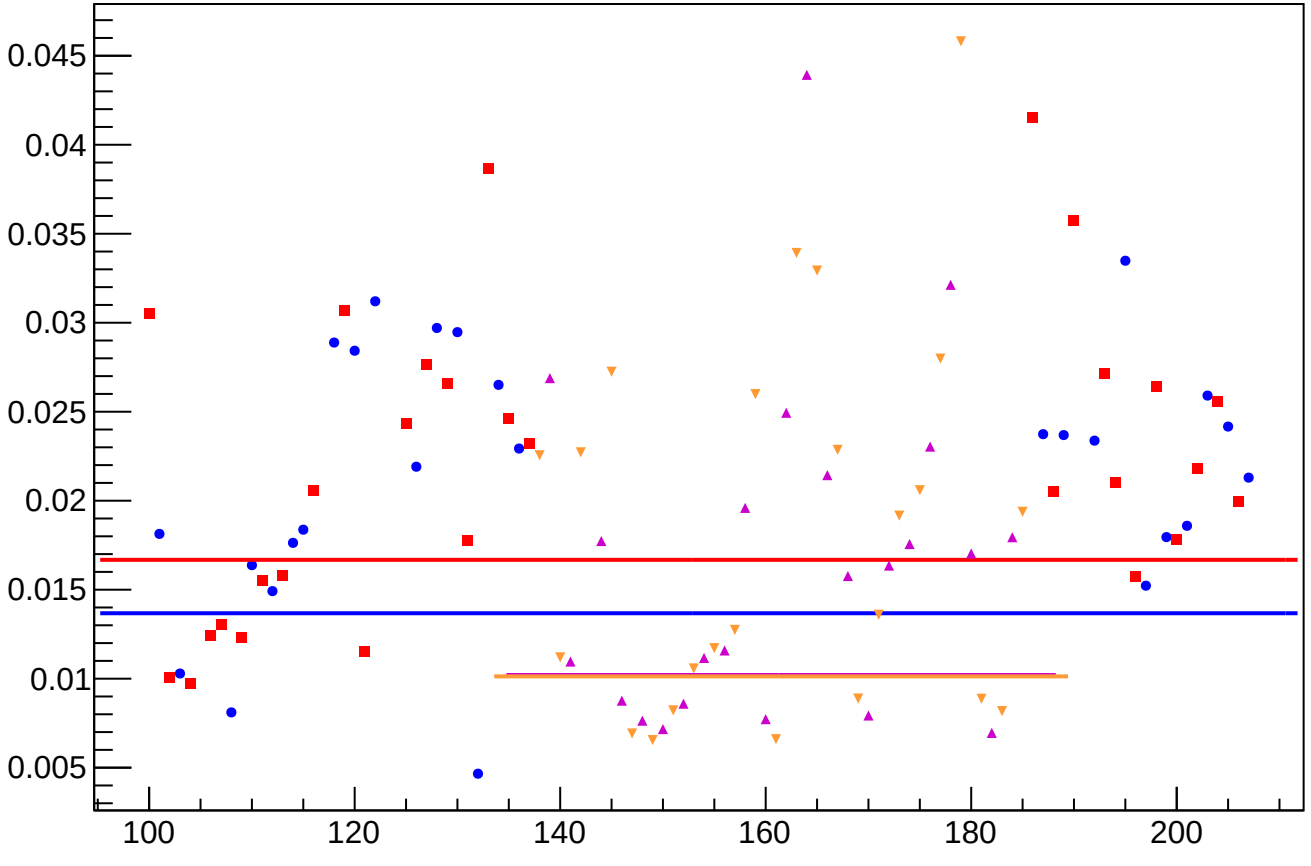
Right: 0.000+/-0.000 χ^2/NDF: 46.9/54

In: 0.000+/-0.000 χ^2/NDF:55.3/48

Out: 0.000+/-0.000 χ^2/NDF:63.2/52

All: 0.000+/-0.000 χ^2/NDF: 118.5/101

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 7572992.6/25

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

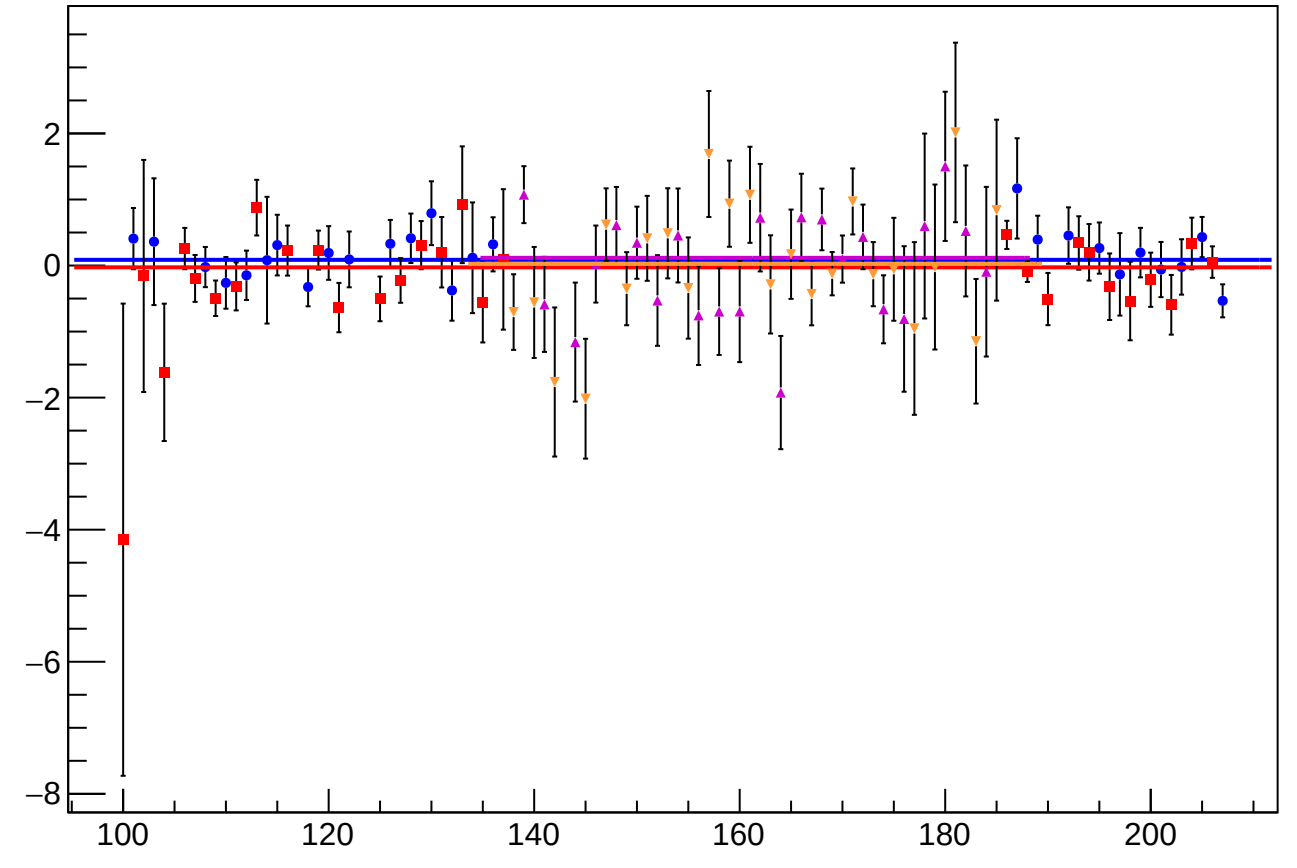
Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

Right: 0.015+/-0.000 χ^2/NDF: 11936834.3/54

In: 0.011+/-0.000 χ^2/NDF:14603146.5/48

Out: 0.012+/-0.000 χ^2/NDF:14761705.2/52

All: 0.012+/-0.000 χ^2/NDF: 29436384.1/101



Right In: 0.086+/-0.079 χ^2/NDF: 20.4/25

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

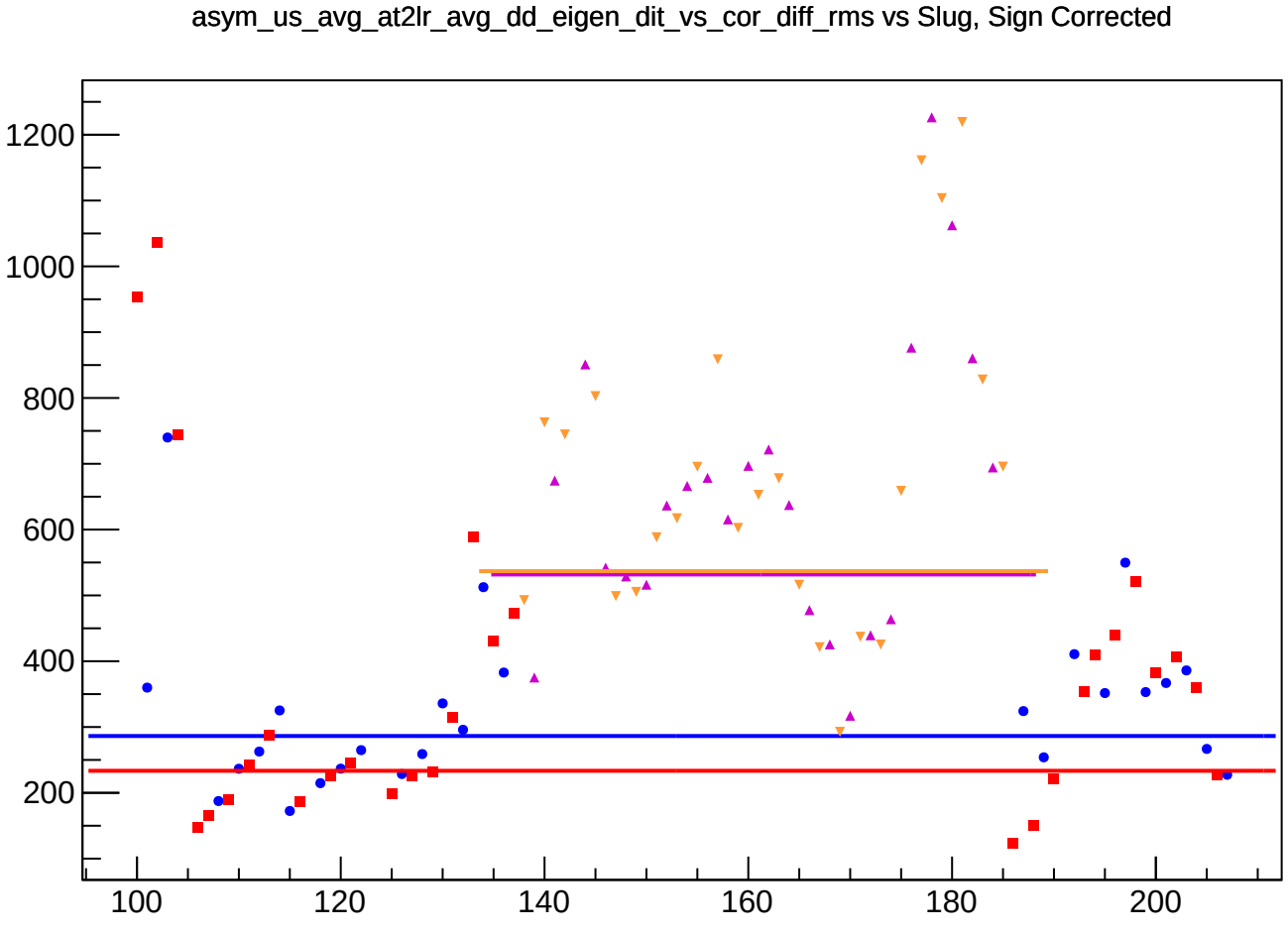
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.020+/-0.051 χ^2/NDF: 55.6/54

In: 0.094+/-0.068 χ^2/NDF:48.2/48

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.032+/-0.045 χ^2/NDF: 112.9/101



Right In: 286.328+/-0.056 χ^2/NDF: 2341938.7/25

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

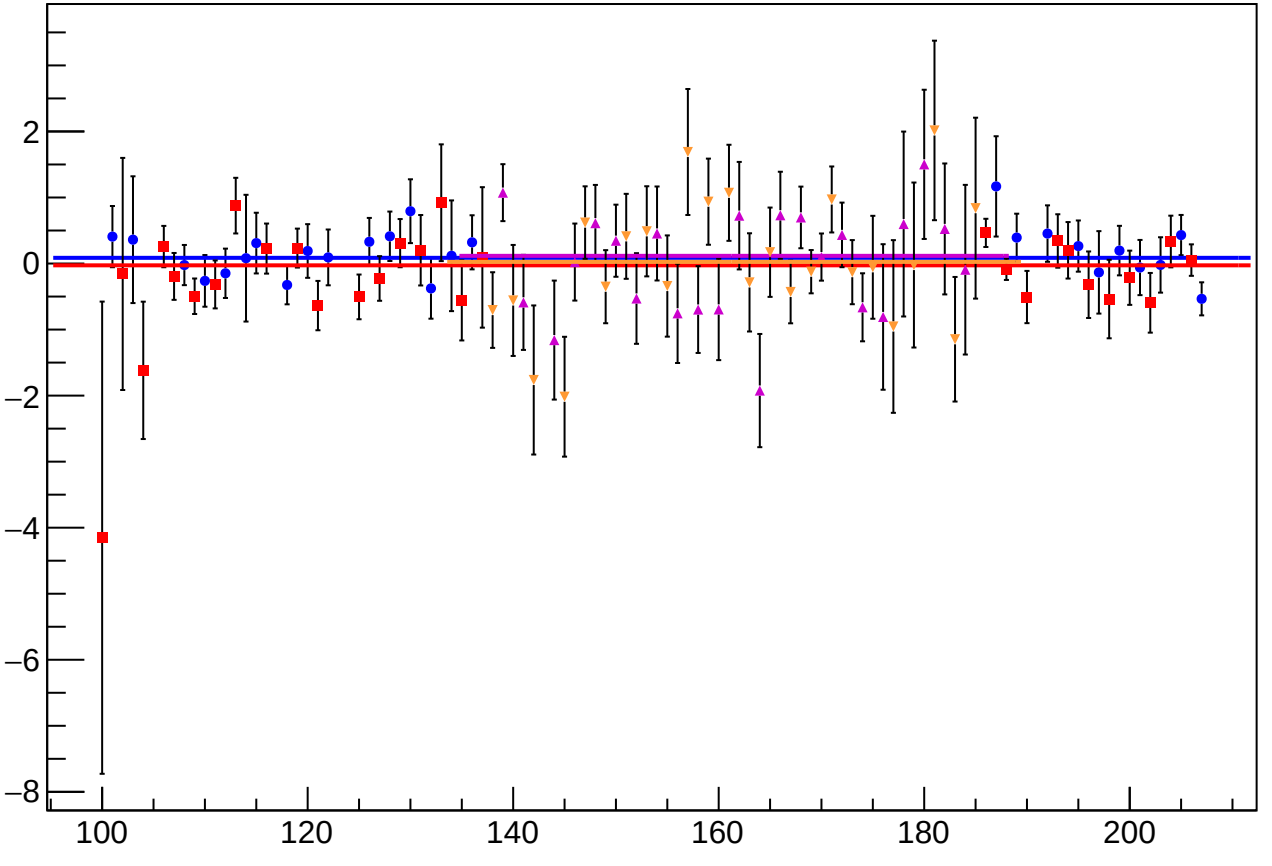
Right: 255.396+/-0.036 χ^2/NDF: 8052344.7/54

In: 350.823+/-0.048 χ^2/NDF:10785498.8/48

Out: 293.546+/-0.042 χ^2/NDF:17374296.0/52

All: 318.479+/-0.032 χ^2/NDF: 28963411.0/10

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.079 χ^2/NDF: 20.4/25

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

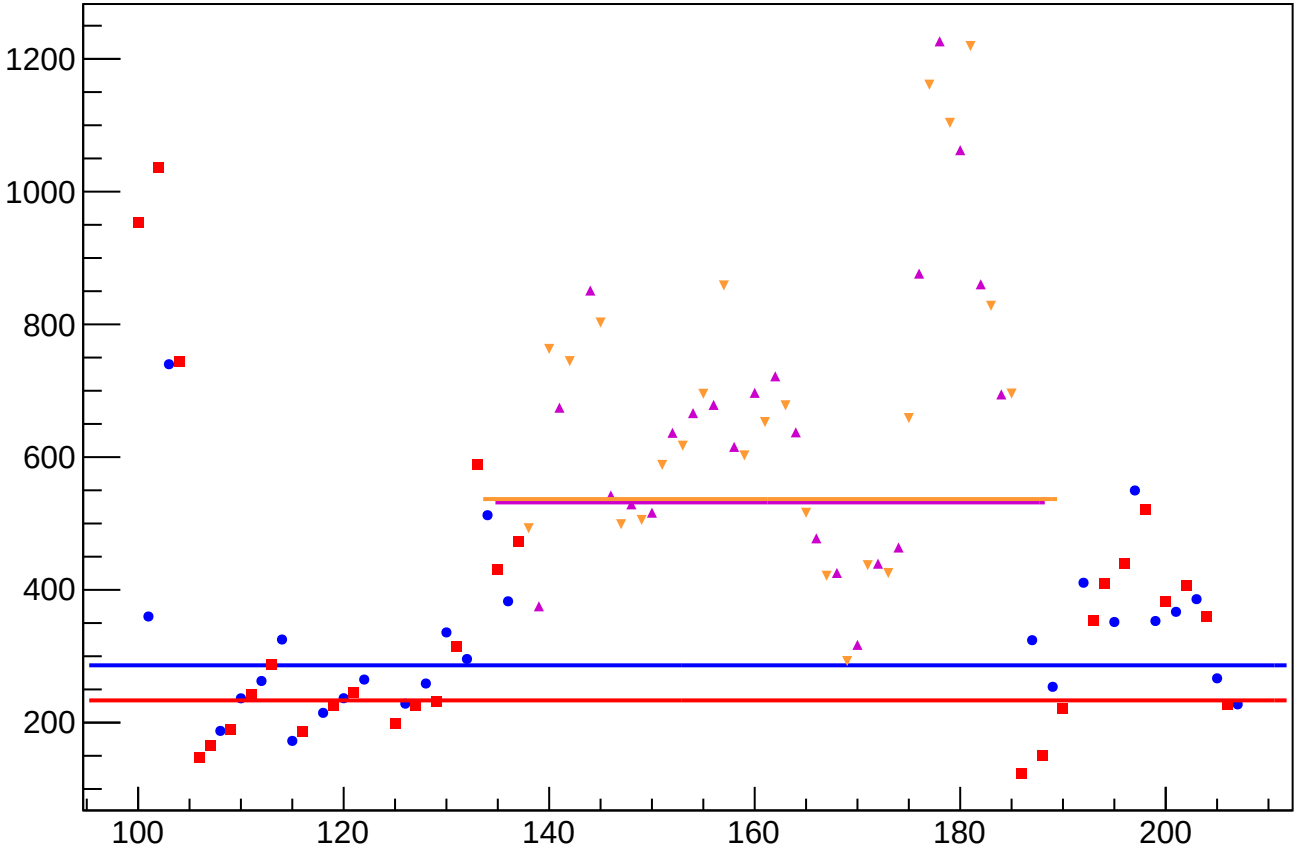
Right: 0.020+/-0.051 χ^2/NDF: 55.6/54

In: 0.094+/-0.068 χ^2/NDF:48.2/48

Out: -0.017+/-0.060 χ^2/NDF:63.2/52

All: 0.032+/-0.045 χ^2/NDF: 112.9/101

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 286.328+/-0.056 χ^2/NDF: 2341938.7/25

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

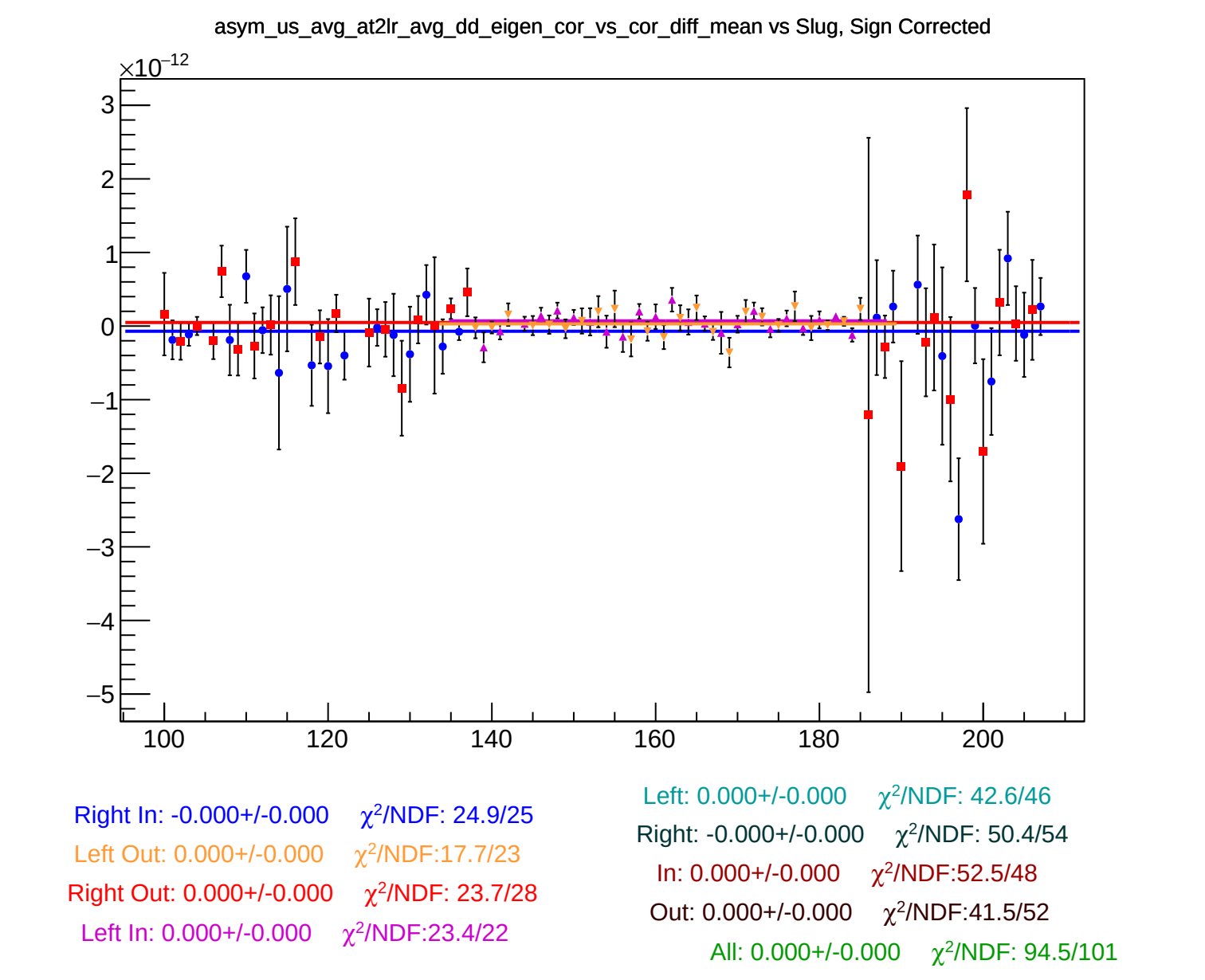
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 255.396+/-0.036 χ^2/NDF: 8052344.7/54

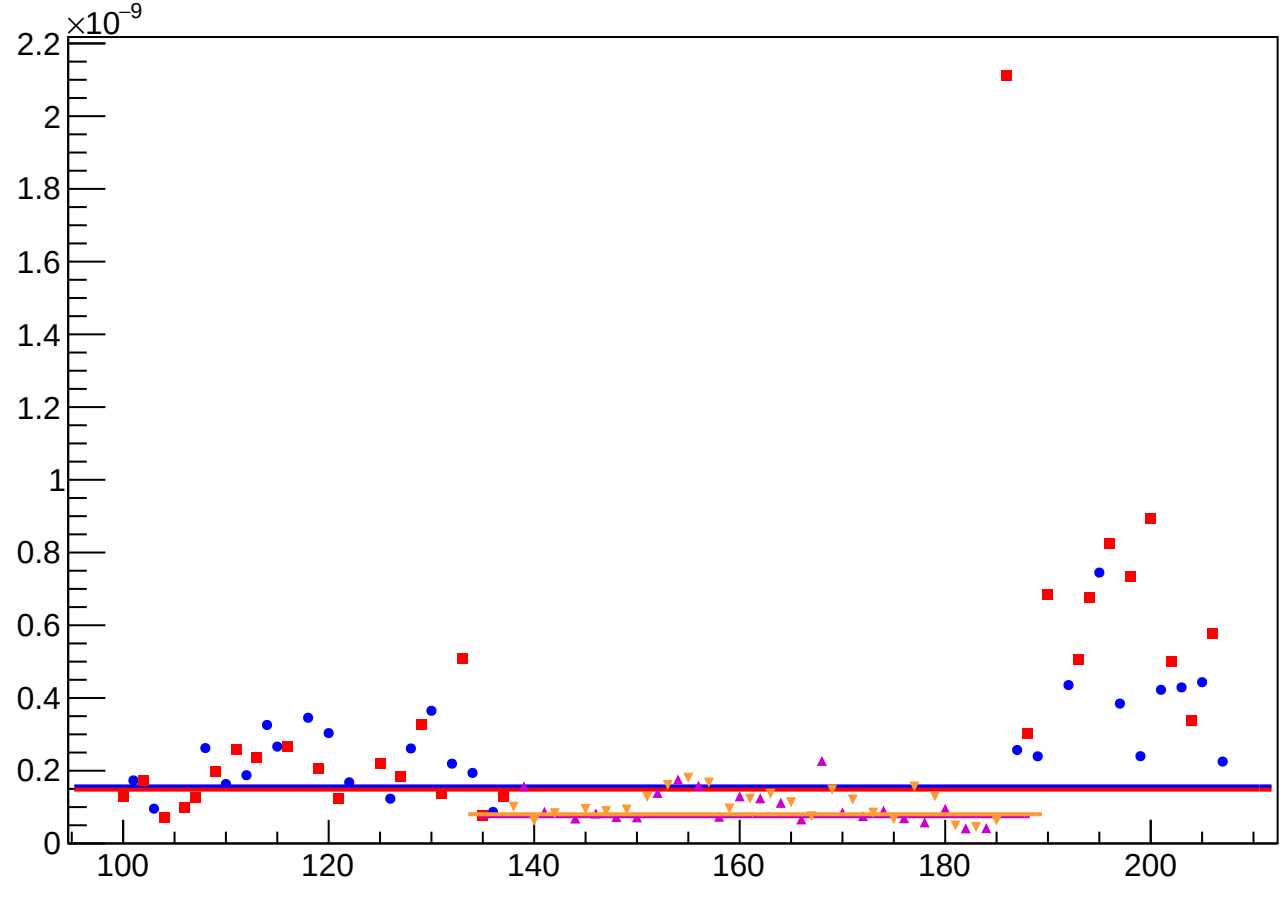
In: 350.823+/-0.048 χ^2/NDF:10785498.8/48

Out: 293.546+/-0.042 χ^2/NDF:17374296.0/52

All: 318.479+/-0.032 χ^2/NDF: 28963411.0/10


asym_us_avg_at2lr_avg_dd_eigen_cor_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: 24.9/25
Left Out: 0.000+/-0.000 χ²/NDF:17.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 23.7/28
Left In: 0.000+/-0.000 χ²/NDF:23.4/22
Left: 0.000+/-0.000 χ²/NDF: 42.6/46
Right: -0.000+/-0.000 χ²/NDF: 50.4/54
In: 0.000+/-0.000 χ²/NDF:52.5/48
Out: 0.000+/-0.000 χ²/NDF:41.5/52
All: 0.000+/-0.000 χ²/NDF: 94.5/101

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: 4345405.2/25

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

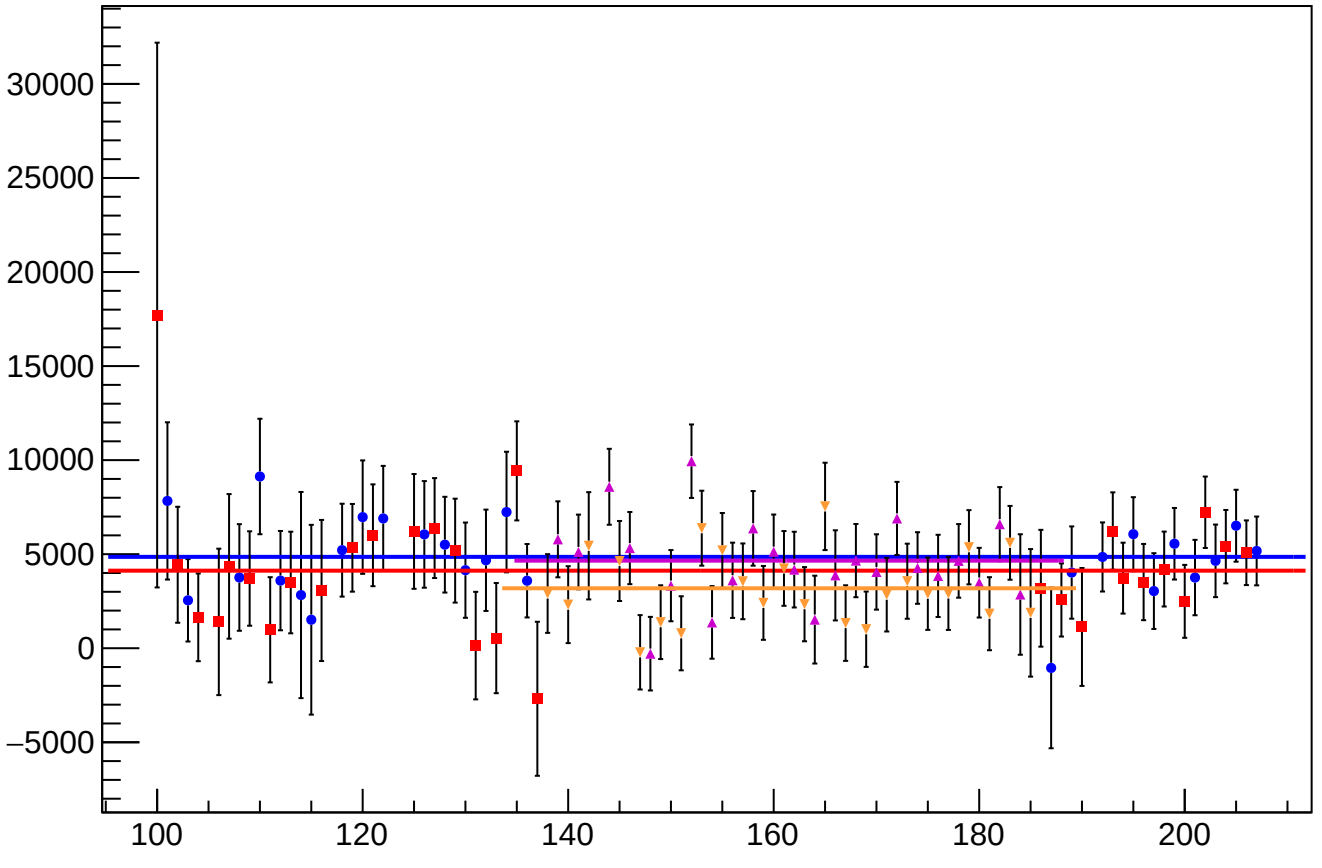
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 12326471.1/54

In: 0.000+/-0.000 χ^2/NDF:10843332.0/48

Out: 0.000+/-0.000 χ^2/NDF:13748968.6/52

All: 0.000+/-0.000 χ^2/NDF: 24647553.5/101



Right In: 4856.989+/-474.781 χ^2/NDF: 11.3/25

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

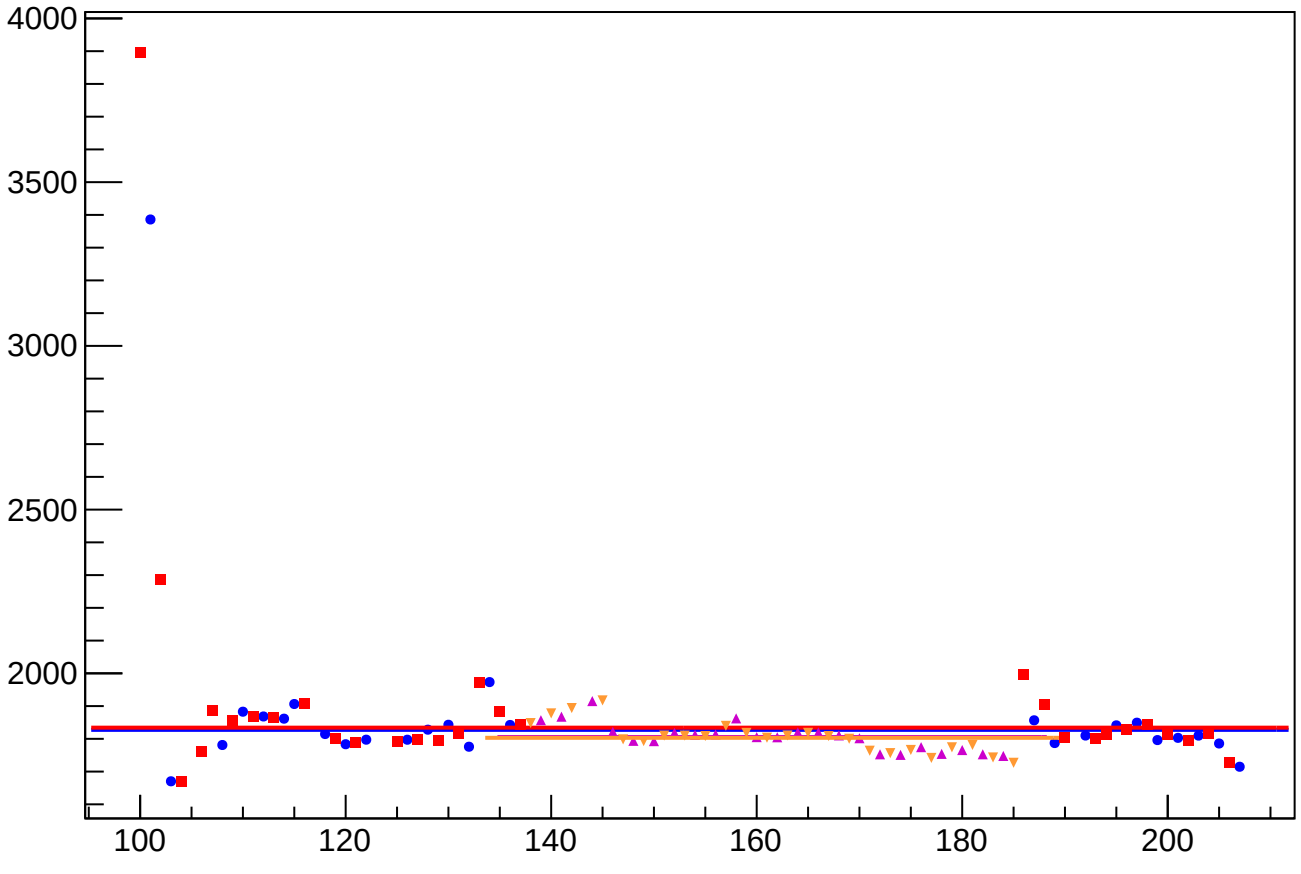
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4479.738+/-330.941 χ^2/NDF: 35.8/54

In: 4744.189+/-315.287 χ^2/NDF:39.1/48

Out: 3609.635+/-310.075 χ^2/NDF:45.4/52

All: 4167.458+/-221.076 χ^2/NDF: 91.1/101



Right In: 1827.391+/-0.336 χ^2/NDF: 307238.2/25

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

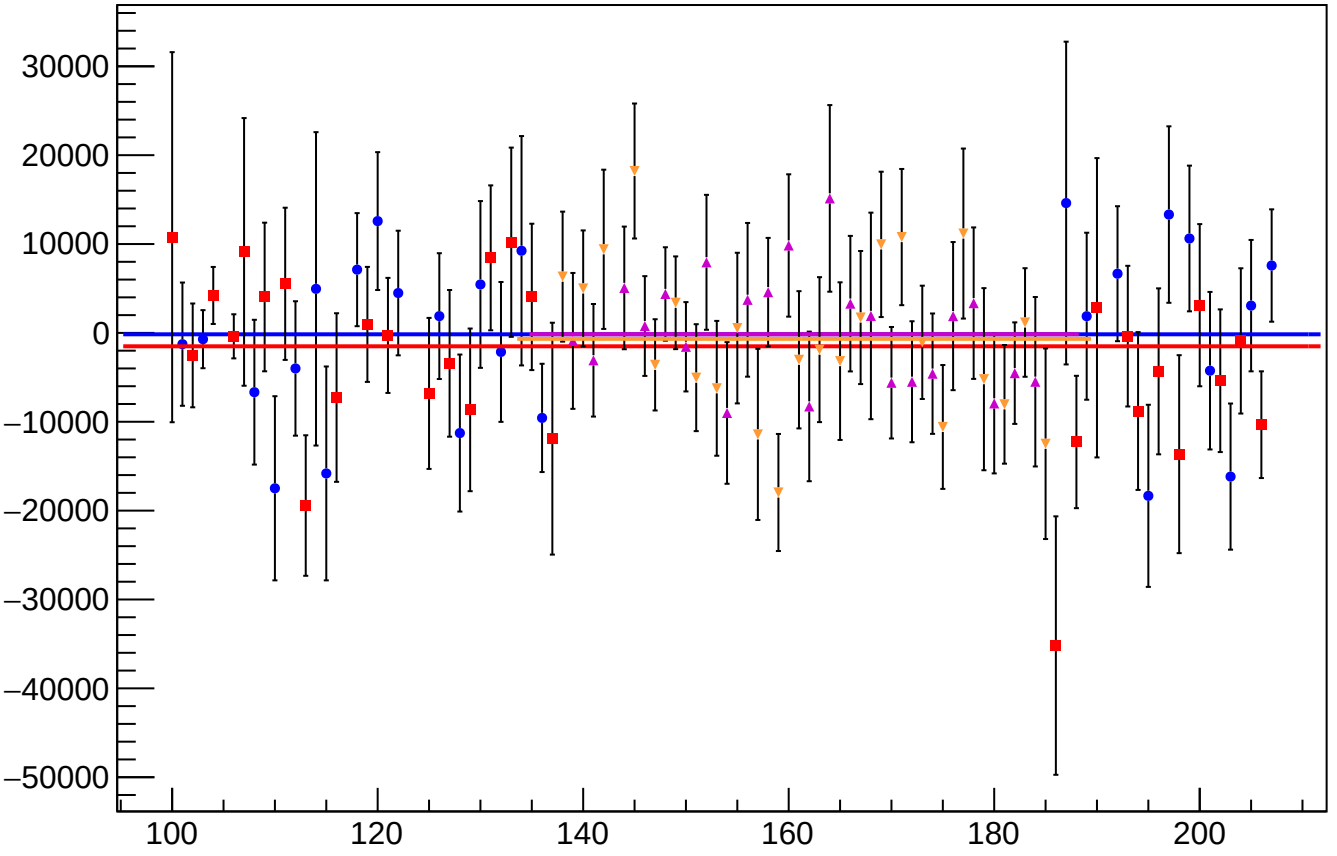
Right: 1830.858+/-0.234 χ^2/NDF: 428839.1/54

In: 1815.186+/-0.223 χ^2/NDF:328916.9/48

Out: 1817.132+/-0.219 χ^2/NDF:146996.1/52

All: 1816.176+/-0.156 χ^2/NDF: 475951.8/101

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -158.094+/-1477.032 χ^2/NDF: 28.9/25

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1507.759+/-1261.962 χ^2/NDF: 28.0/28

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

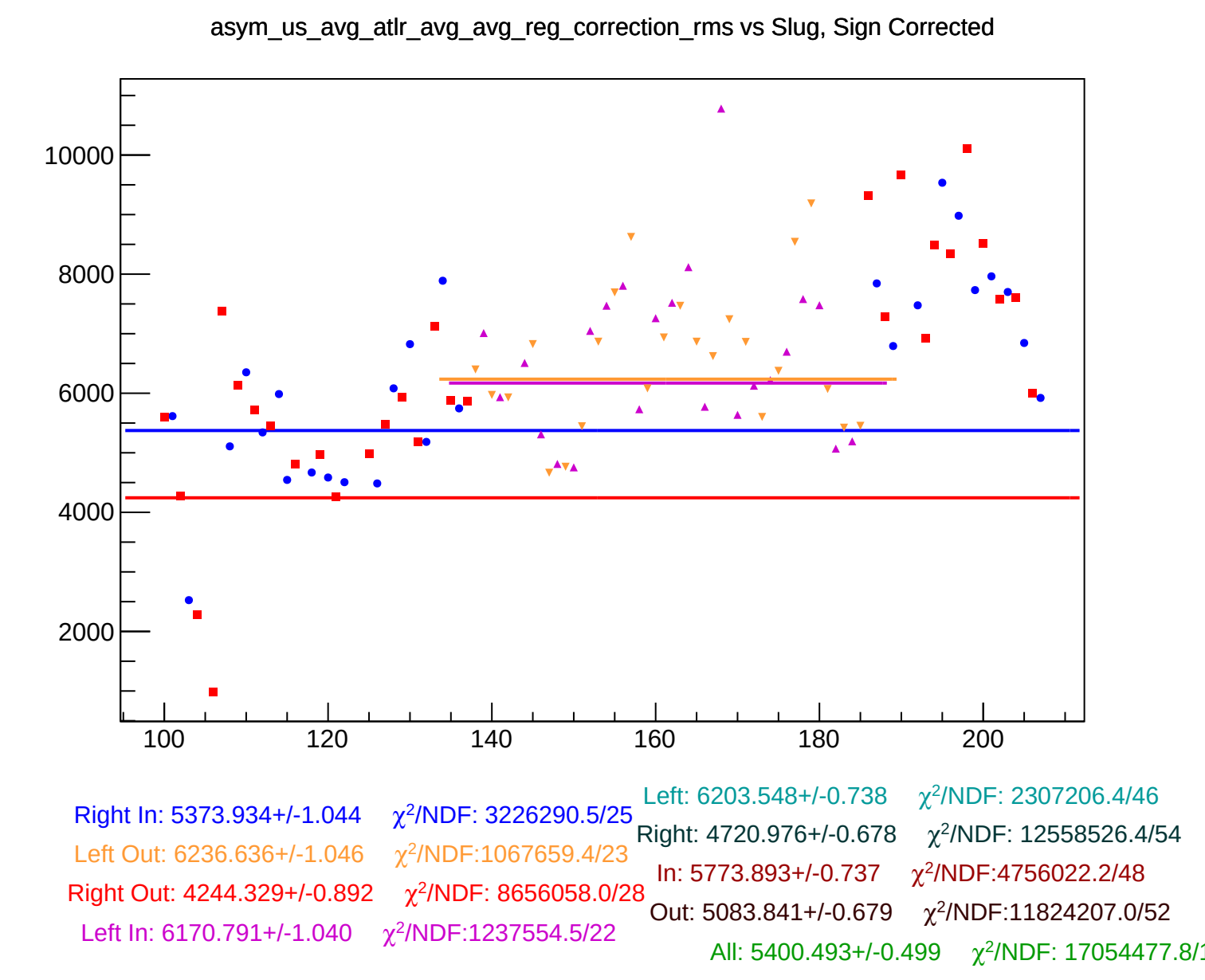
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

Right: -938.255+/-959.457 χ^2/NDF: 57.4/54

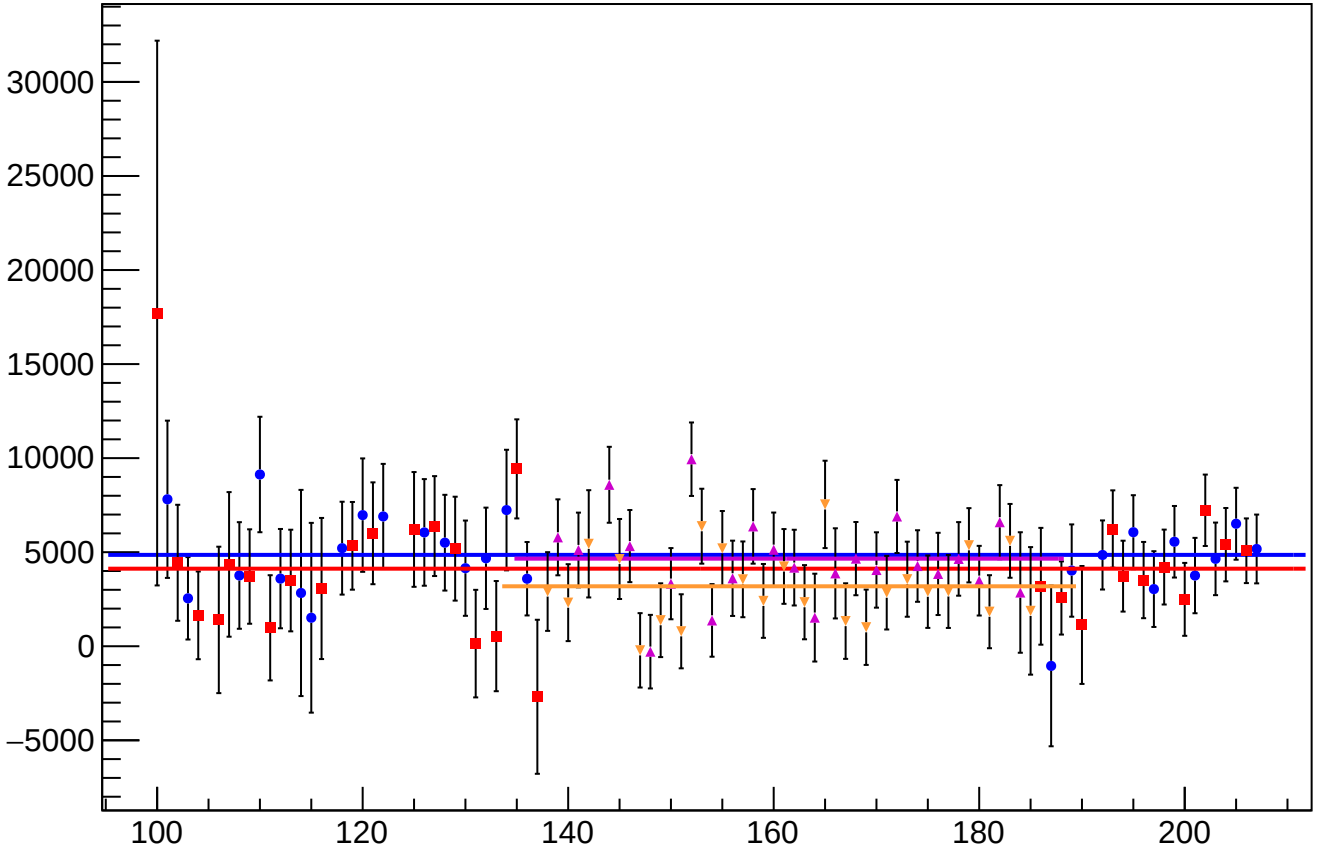
In: -150.736+/-1042.412 χ^2/NDF:42.5/48

Out: -1153.585+/-959.940 χ^2/NDF:58.0/52

All: -693.396+/-706.139 χ^2/NDF: 101.0/101


asym_us_avg_atlr_avg_avg_reg_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 5373.934+/-1.044 χ²/NDF: 3226290.5/25
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 4244.329+/-0.892 χ²/NDF: 8656058.0/28
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4720.976+/-0.678 χ²/NDF: 12558526.4/54
In: 5773.893+/-0.737 χ²/NDF:4756022.2/48
Out: 5083.841+/-0.679 χ²/NDF:11824207.0/52
All: 5400.493+/-0.499 χ²/NDF: 17054477.8/

cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4856.783+/-474.781 χ^2/NDF: 11.3/25

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

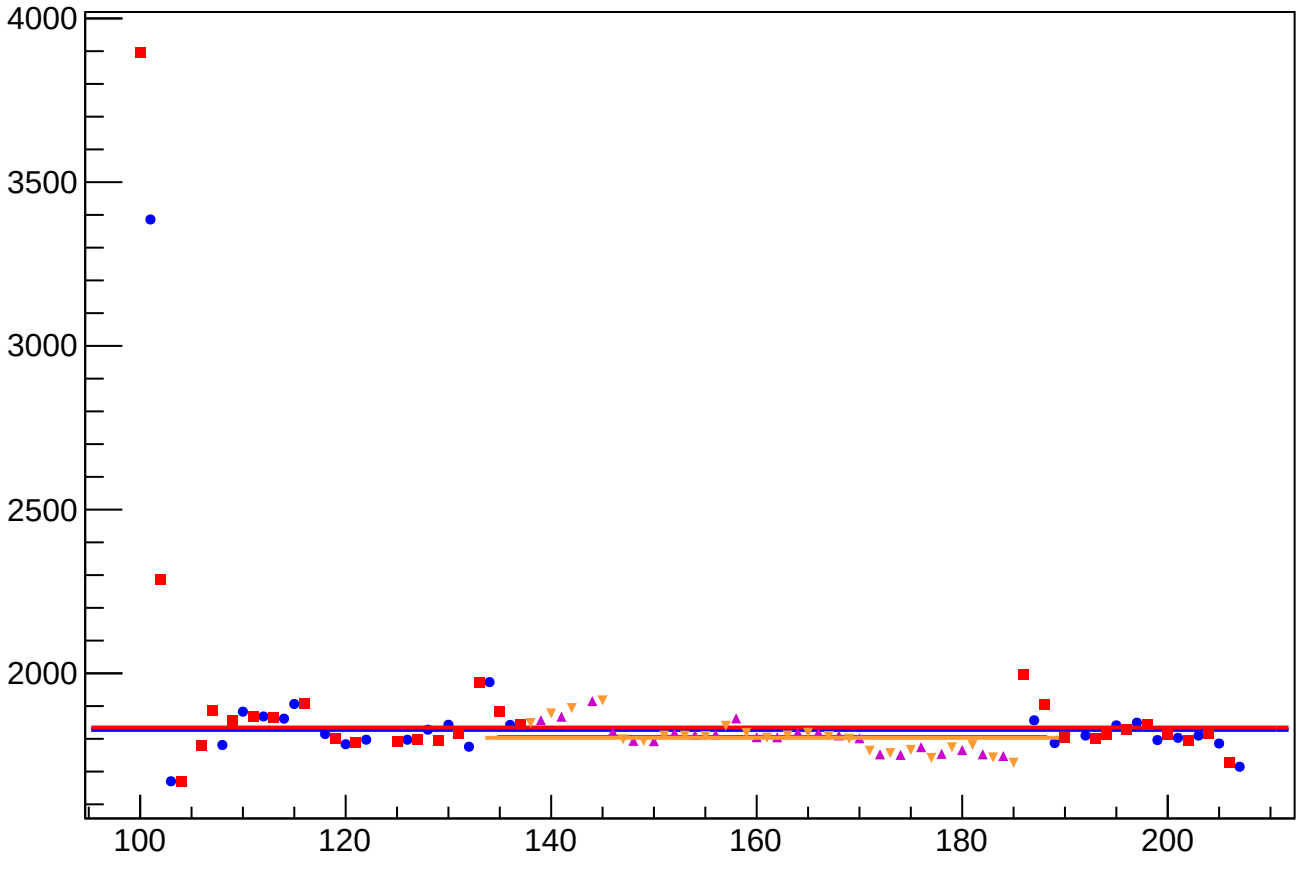
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4479.576+/-330.941 χ^2/NDF: 35.8/54

In: 4744.109+/-315.287 χ^2/NDF:39.1/48

Out: 3609.543+/-310.075 χ^2/NDF:45.4/52

All: 4167.372+/-221.076 χ^2/NDF: 91.1/101



Right In: 1827.391+/-0.336 χ^2/NDF: 307240.1/25

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

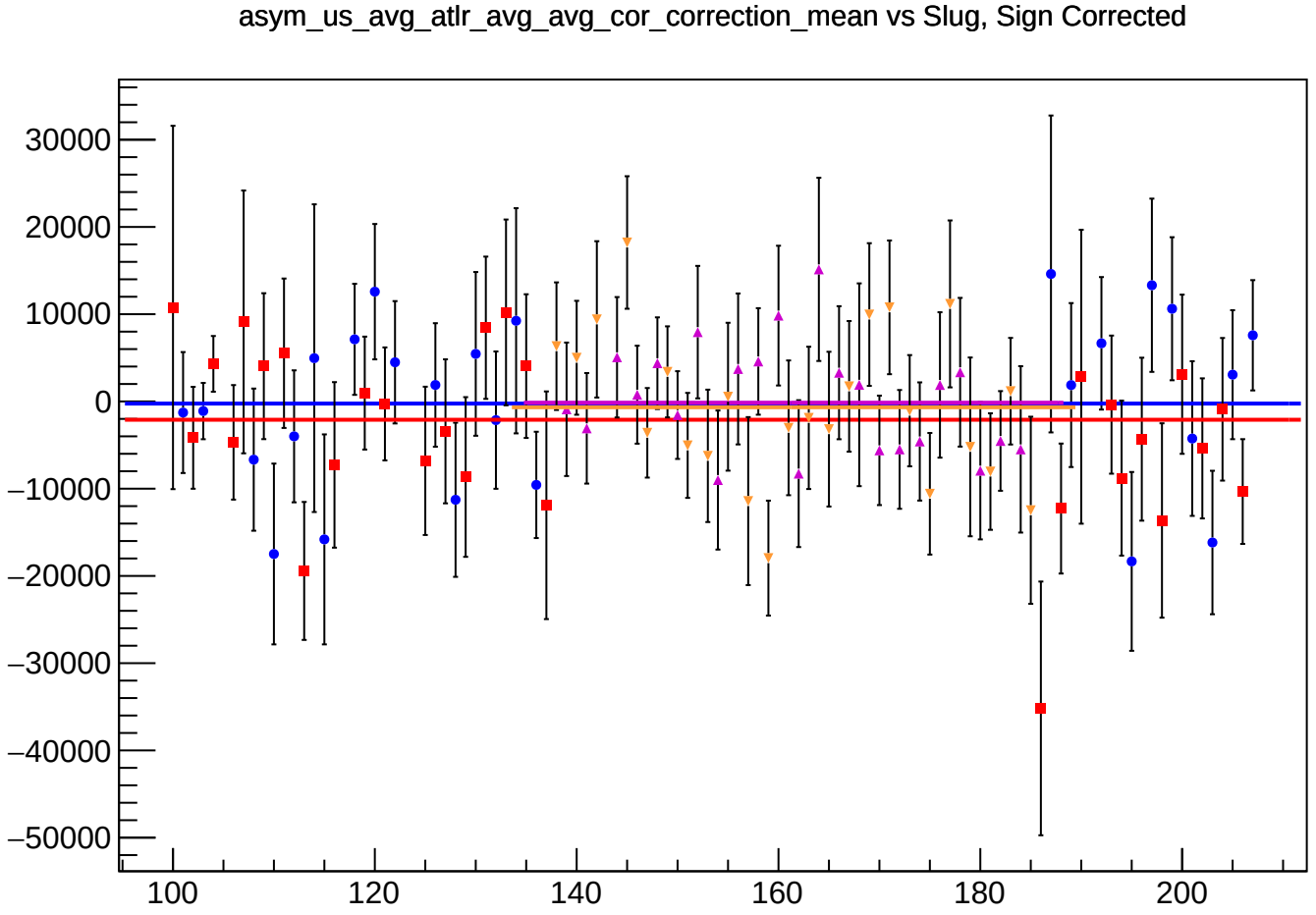
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1831.015+/-0.234 χ^2/NDF: 428503.7/54

In: 1815.186+/-0.223 χ^2/NDF:328918.8/48

Out: 1817.269+/-0.219 χ^2/NDF:146737.2/52

All: 1816.245+/-0.156 χ^2/NDF: 475700.3/101



Right In: -243.293+/-1473.326 χ^2/NDF: 29.0/25

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

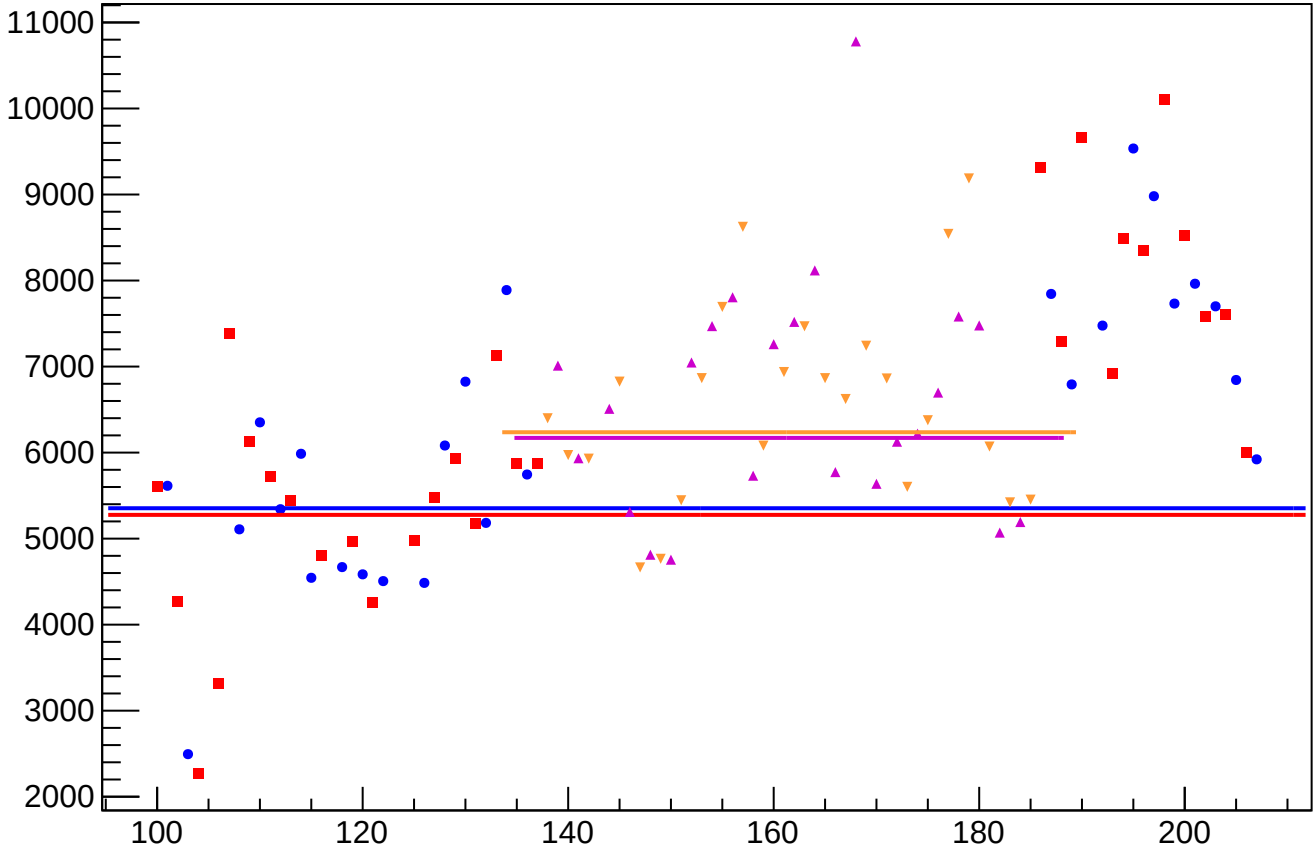
Right: -1199.110+/-1025.770 χ^2/NDF: 58.0/54

In: -193.264+/-1041.107 χ^2/NDF:42.5/48

Out: -1407.263+/-1027.611 χ^2/NDF:58.5/52

All: -808.183+/-731.356 χ^2/NDF: 101.7/101

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5353.231+/-1.042 χ^2/NDF: 3297066.4/25

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

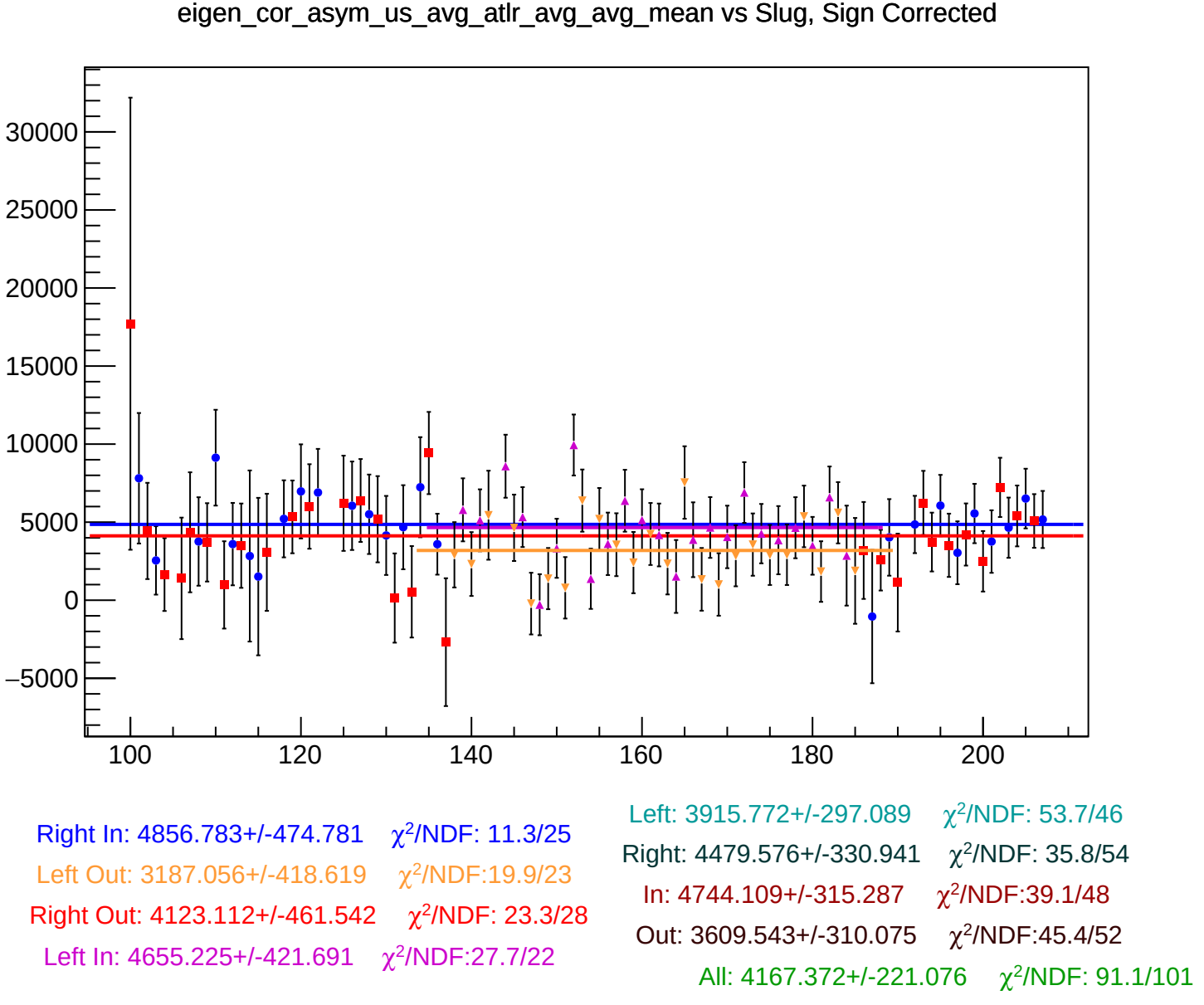
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

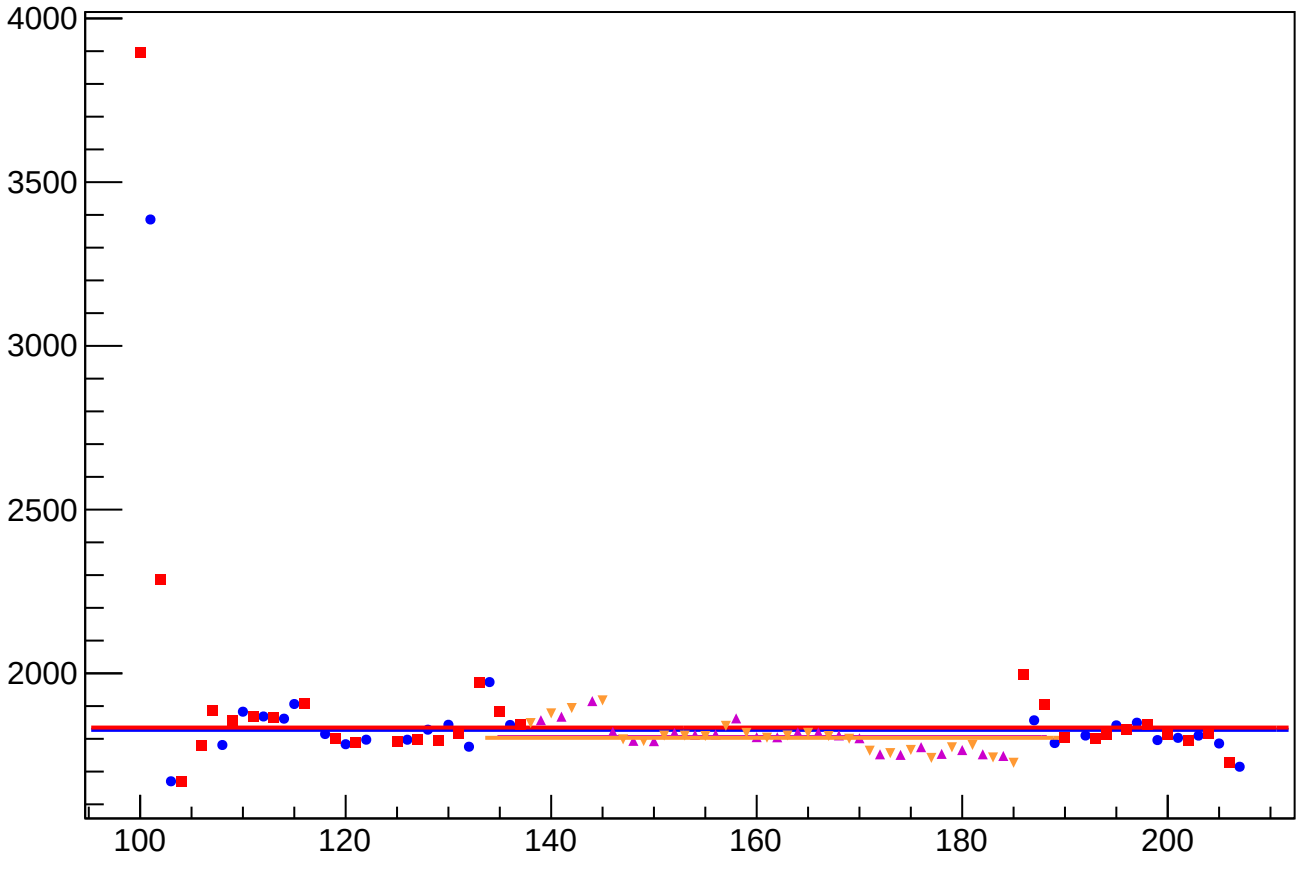
Right: 5313.495+/-0.725 χ^2/NDF: 7510827.2/54

In: 5762.553+/-0.736 χ^2/NDF:4842960.5/48

Out: 5739.931+/-0.727 χ^2/NDF:5714933.9/52

All: 5751.095+/-0.517 χ^2/NDF: 10558372.8/1


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: 4856.783+/-474.781 χ²/NDF: 11.3/25
Left Out: 3187.056+/-418.619 χ²/NDF:19.9/23
Right Out: 4123.112+/-461.542 χ²/NDF: 23.3/28
Left In: 4655.225+/-421.691 χ²/NDF:27.7/22
Left: 3915.772+/-297.089 χ²/NDF: 53.7/46
Right: 4479.576+/-330.941 χ²/NDF: 35.8/54
In: 4744.109+/-315.287 χ²/NDF:39.1/48
Out: 3609.543+/-310.075 χ²/NDF:45.4/52
All: 4167.372+/-221.076 χ²/NDF: 91.1/101



Right In: 1827.391+/-0.336 χ^2/NDF: 307240.1/25

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

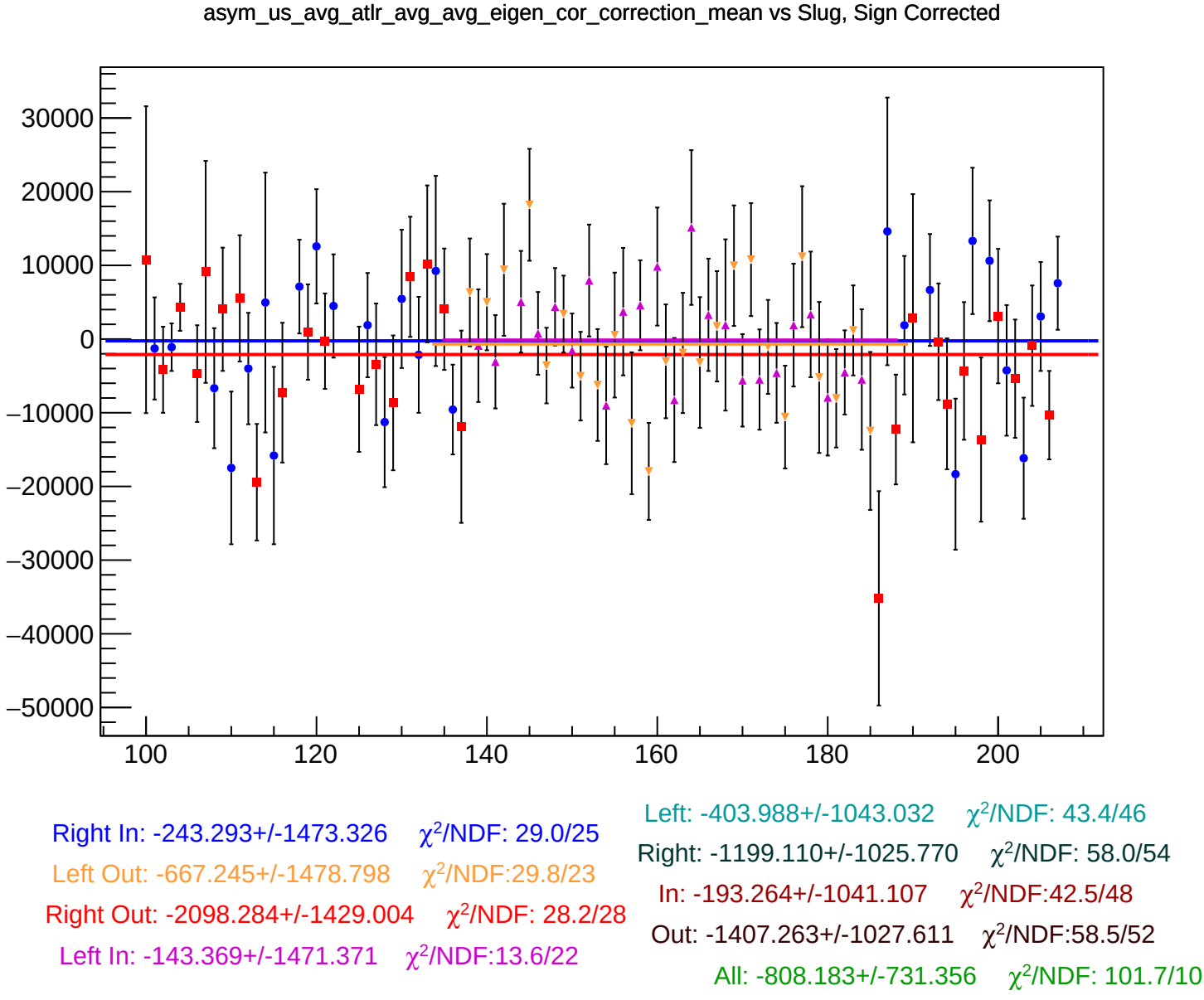
Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

Right: 1831.015+/-0.234 χ^2/NDF: 428503.7/54

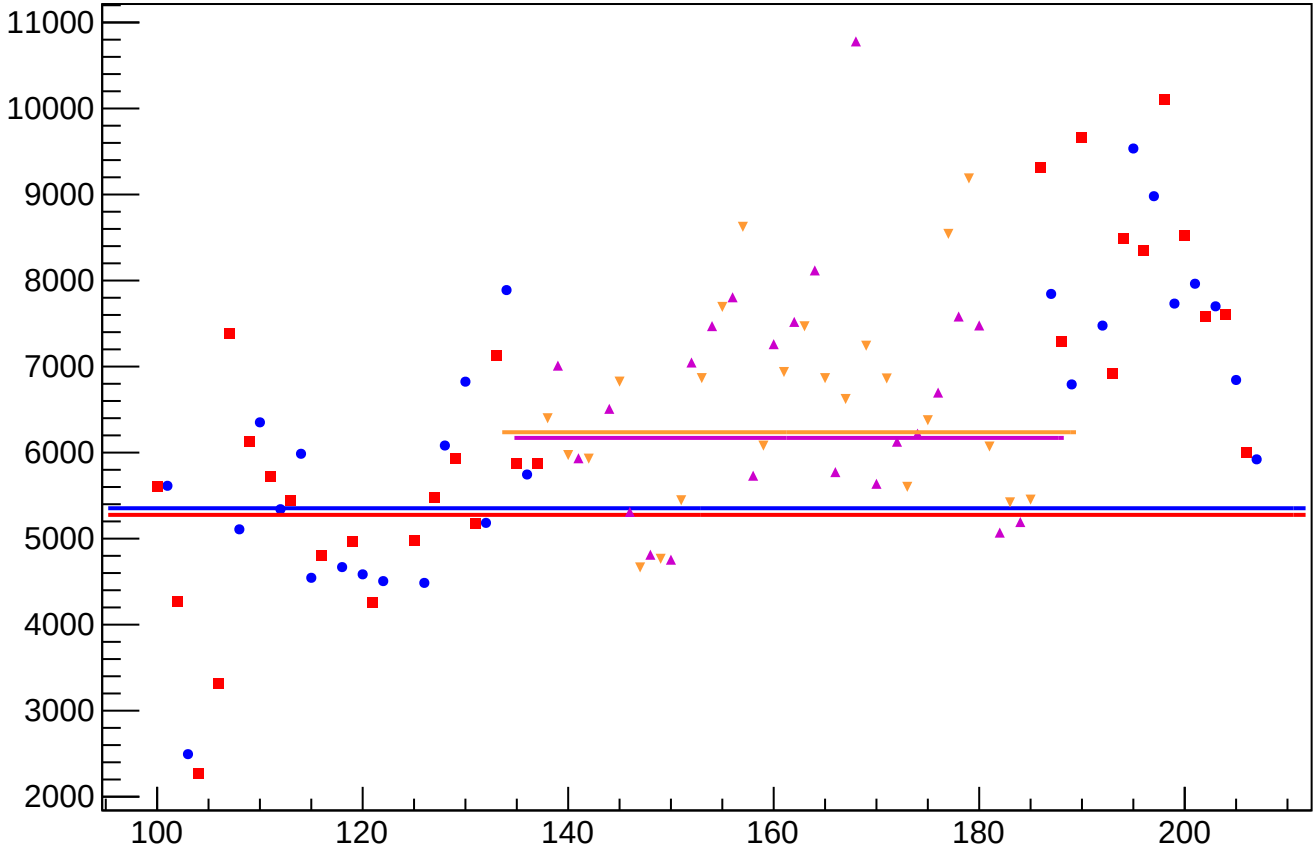
In: 1815.186+/-0.223 χ^2/NDF:328918.8/48

Out: 1817.269+/-0.219 χ^2/NDF:146737.2/52

All: 1816.245+/-0.156 χ^2/NDF: 475700.3/101


asym_us_avg_atlr_avg_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: -243.293+/-1473.326 χ²/NDF: 29.0/25
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: -2098.284+/-1429.004 χ²/NDF: 28.2/28
Left In: -143.369+/-1471.371 χ²/NDF:13.6/22
Left: -403.988+/-1043.032 χ²/NDF: 43.4/46
Right: -1199.110+/-1025.770 χ²/NDF: 58.0/54
In: -193.264+/-1041.107 χ²/NDF:42.5/48
Out: -1407.263+/-1027.611 χ²/NDF:58.5/52
All: -808.183+/-731.356 χ²/NDF: 101.7/101

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5353.231+/-1.042 χ^2/NDF: 3297066.4/25

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

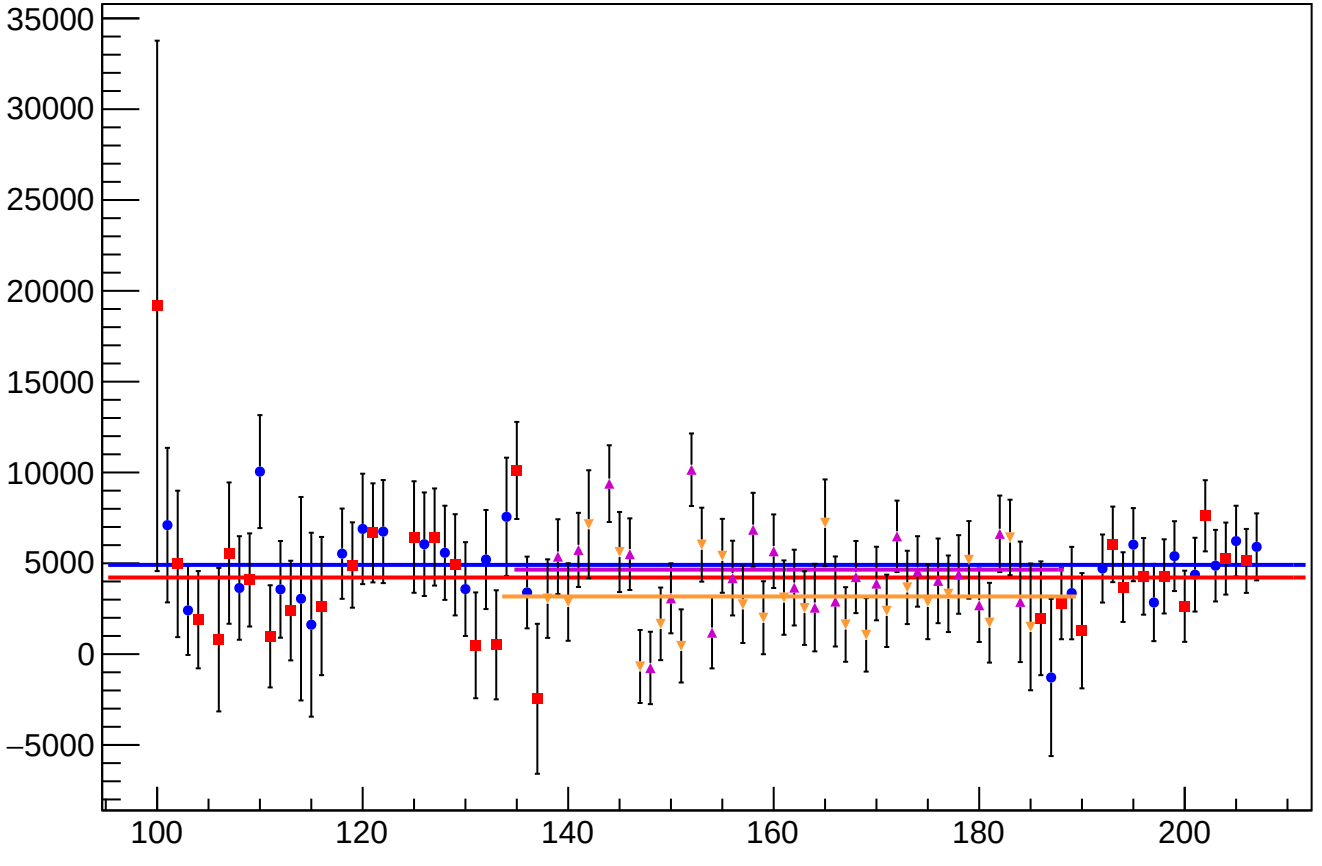
Right: 5313.495+/-0.725 χ^2/NDF: 7510827.2/54

In: 5762.553+/-0.736 χ^2/NDF:4842960.5/48

Out: 5739.931+/-0.727 χ^2/NDF:5714933.9/52

All: 5751.095+/-0.517 χ^2/NDF: 10558372.8/1

dit_asym_us_avg_atlr_avg_avg_mean vs Slug, Sign Corrected



Right In: 4913.287+/-485.066 χ^2/NDF: 12.2/25

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

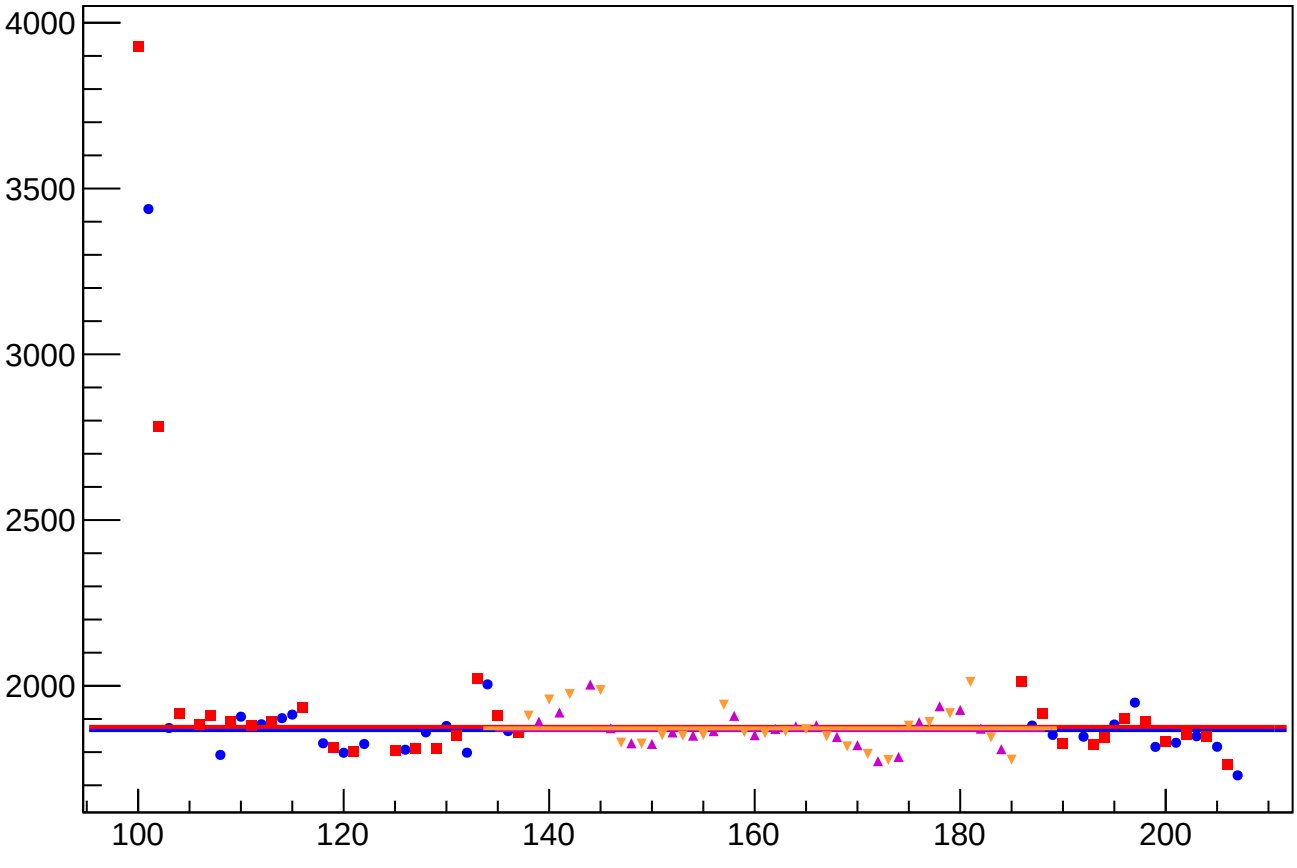
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4557.482+/-338.796 χ^2/NDF: 37.7/54

In: 4767.972+/-324.343 χ^2/NDF:42.9/48

Out: 3652.282+/-320.236 χ^2/NDF:48.6/52

All: 4203.017+/-227.879 χ^2/NDF: 97.6/101



Right In: 1866.526+/-0.343 χ^2/NDF: 300924.9/25

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

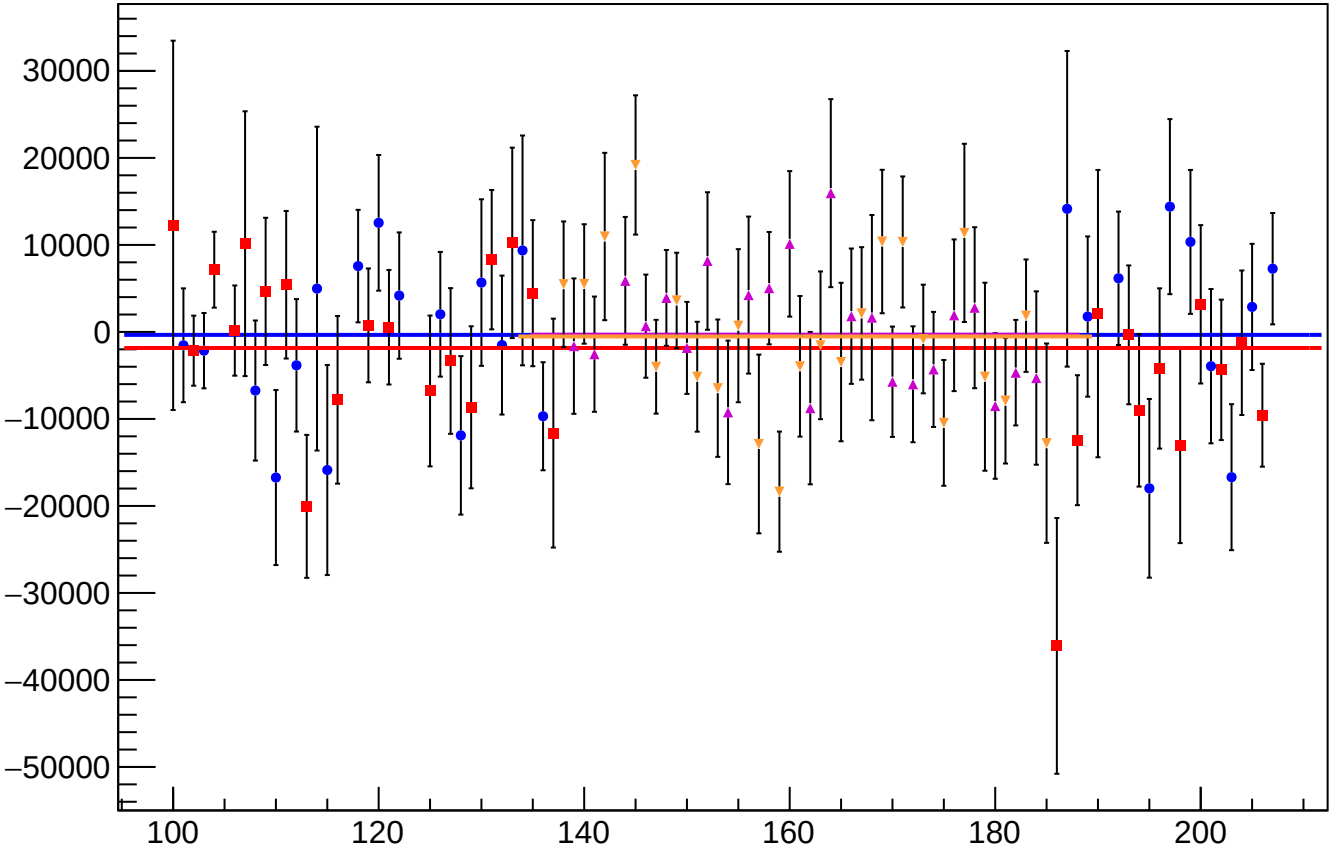
Right: 1871.493+/-0.240 χ^2/NDF: 471794.8/54

In: 1866.832+/-0.229 χ^2/NDF:328173.0/48

Out: 1873.921+/-0.226 χ^2/NDF:207702.5/52

All: 1870.422+/-0.161 χ^2/NDF: 536359.4/101

asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -339.389+/-1553.506 χ^2/NDF: 28.7/25

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

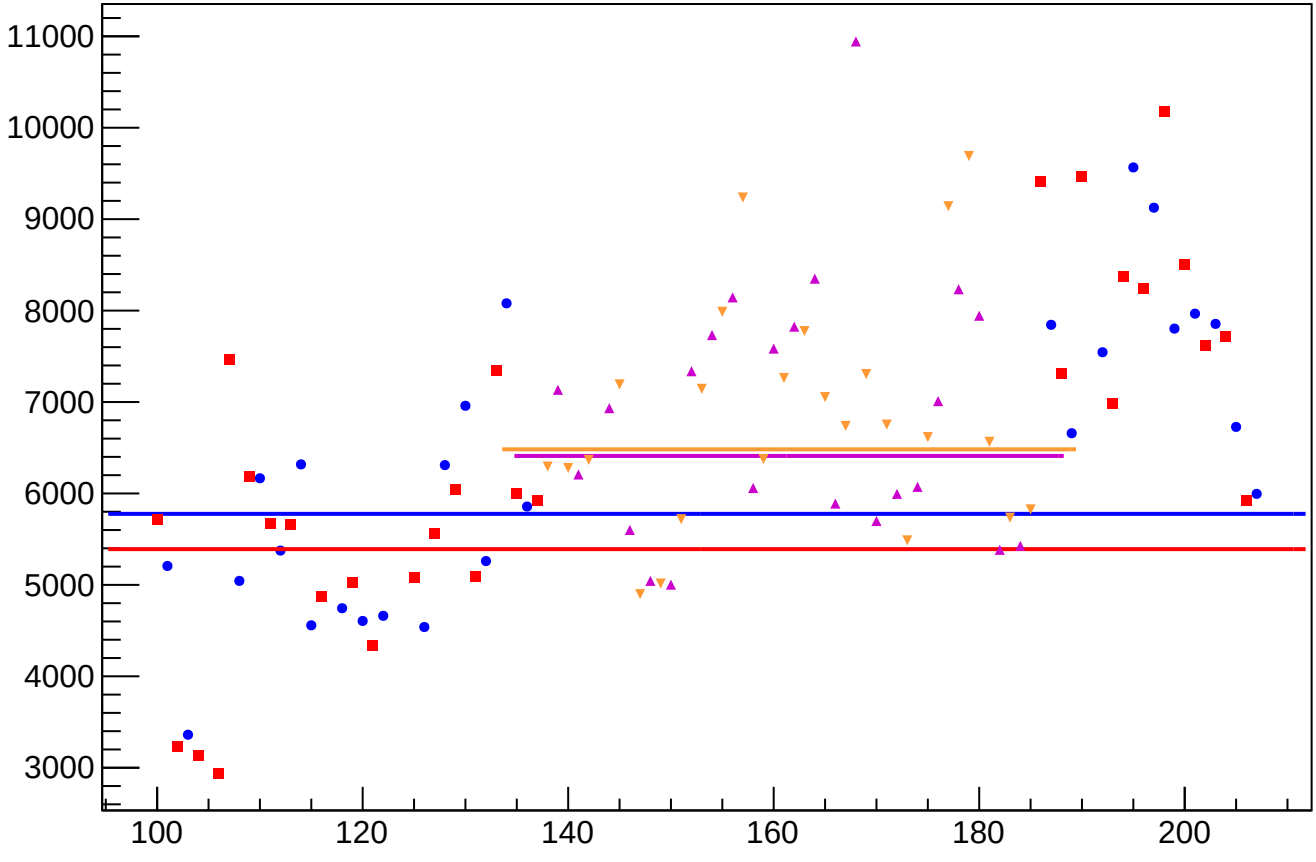
Right: -1151.598+/-1053.817 χ^2/NDF: 57.8/54

In: -331.884+/-1089.363 χ^2/NDF:42.1/48

Out: -1227.705+/-1048.552 χ^2/NDF:58.2/52

All: -796.889+/-755.454 χ^2/NDF: 100.7/101

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5776.918+/-1.098 χ^2/NDF: 2040673.1/25

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

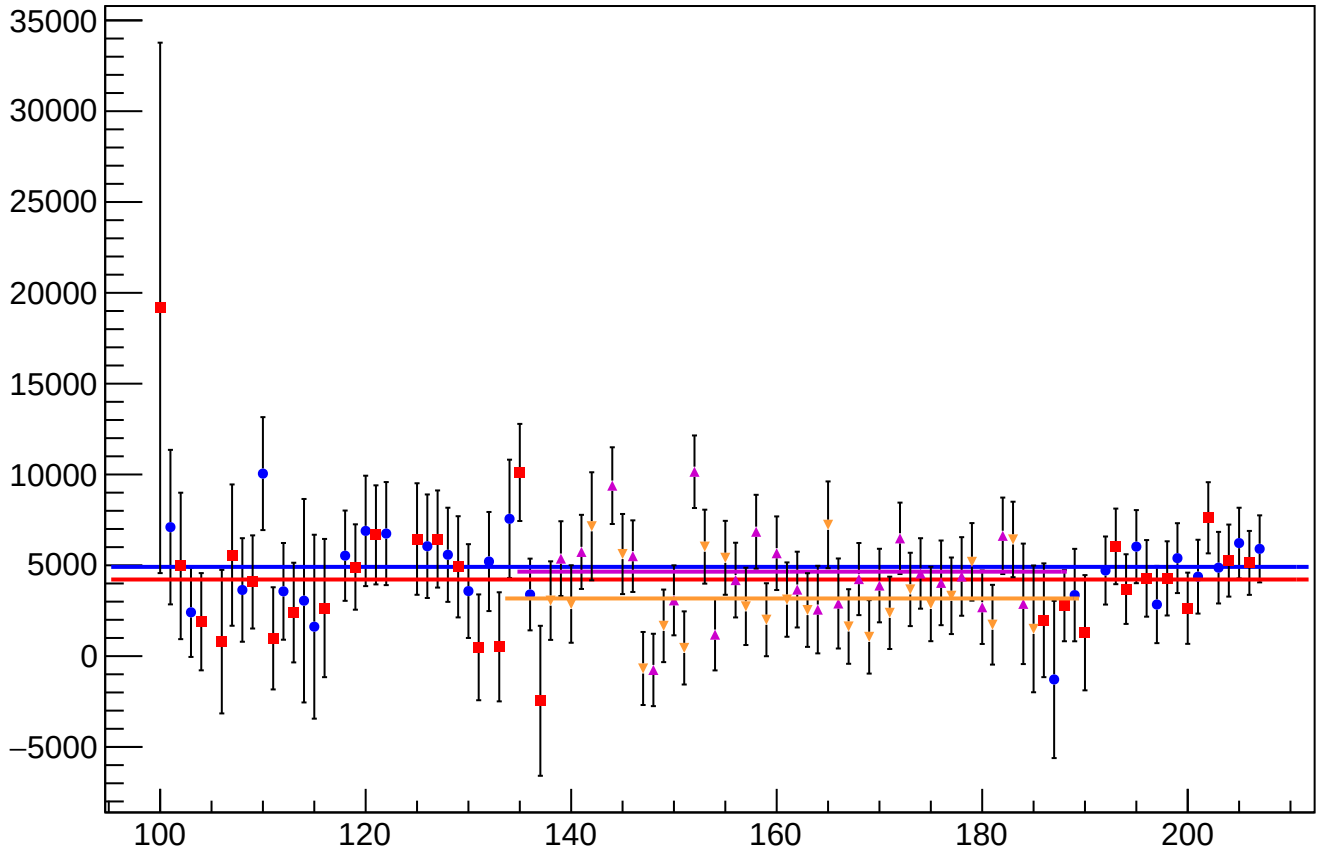
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5568.646+/-0.745 χ^2/NDF: 5714462.1/54

In: 6098.913+/-0.770 χ^2/NDF:3429547.1/48

Out: 5899.303+/-0.741 χ^2/NDF:5221120.8/52

All: 5995.299+/-0.534 χ^2/NDF: 8685524.4/10



Right In: 4913.284+/-485.066 χ^2/NDF: 12.2/25

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

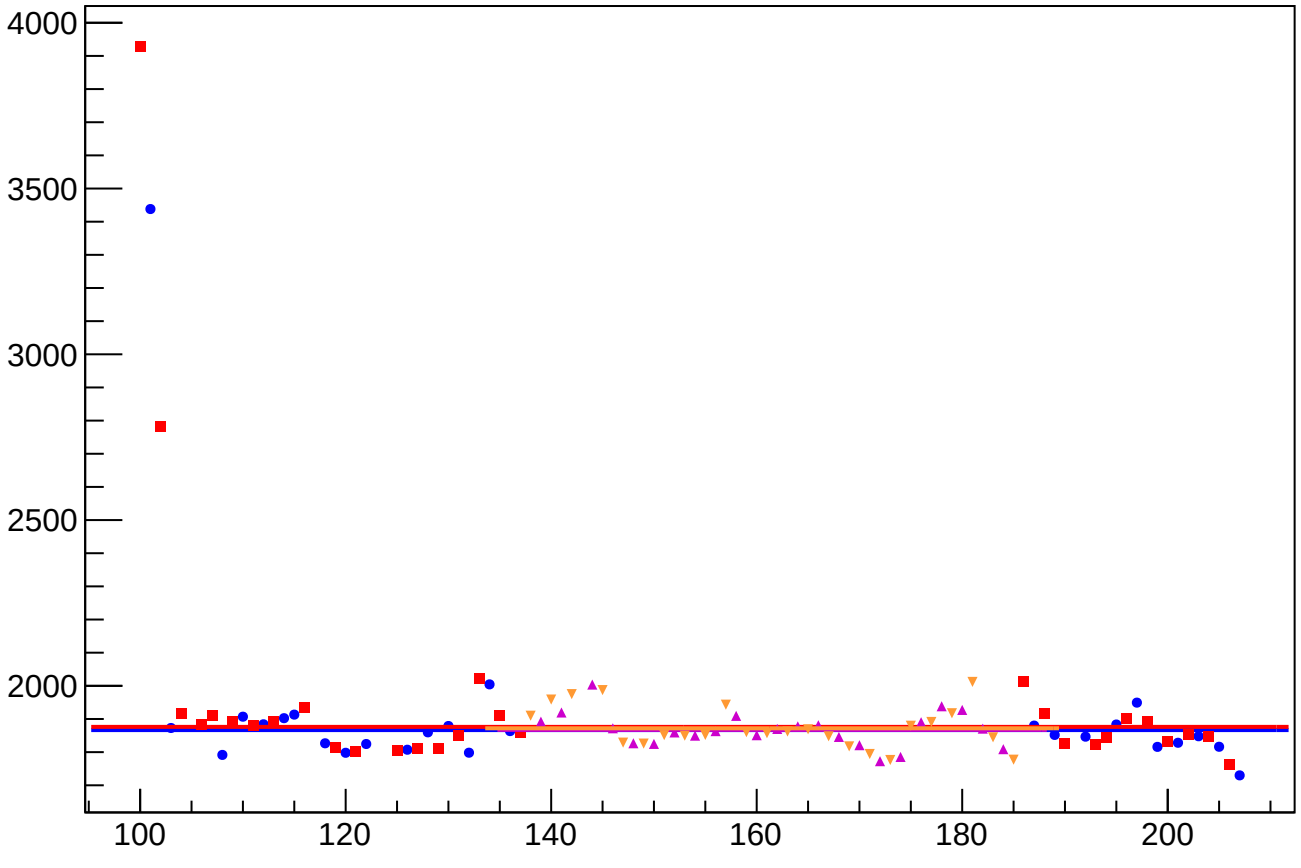
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4557.477+/-338.796 χ^2/NDF: 37.7/54

In: 4767.971+/-324.344 χ^2/NDF:42.9/48

Out: 3652.276+/-320.236 χ^2/NDF:48.6/52

All: 4203.014+/-227.879 χ^2/NDF: 97.6/101



Right In: 1866.525+/-0.343 χ^2/NDF: 300924.9/25

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

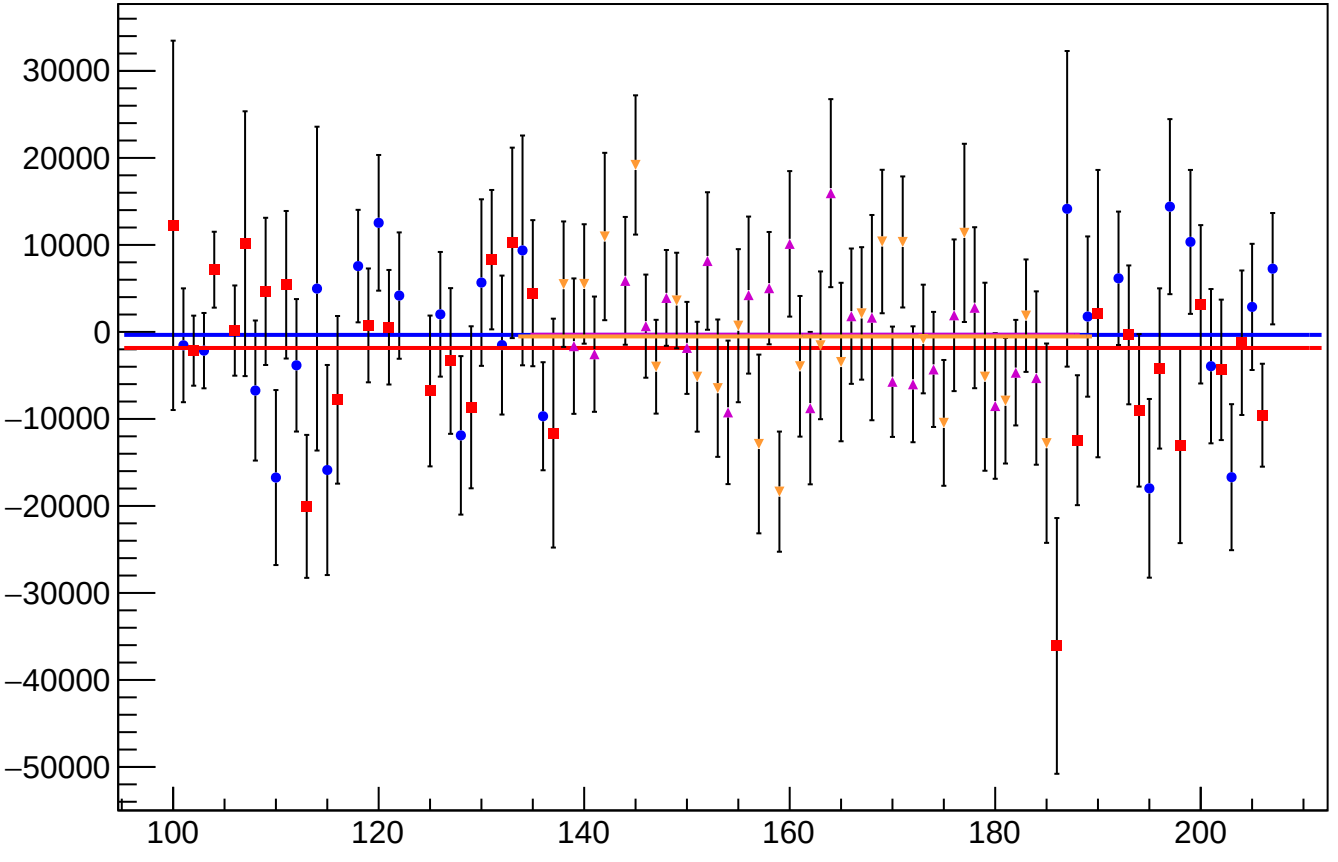
Right: 1871.493+/-0.240 χ^2/NDF: 471794.0/54

In: 1866.832+/-0.229 χ^2/NDF:328174.2/48

Out: 1873.922+/-0.226 χ^2/NDF:207702.6/52

All: 1870.423+/-0.161 χ^2/NDF: 536360.8/101

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -339.386+/-1553.504 χ^2/NDF: 28.7/25

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

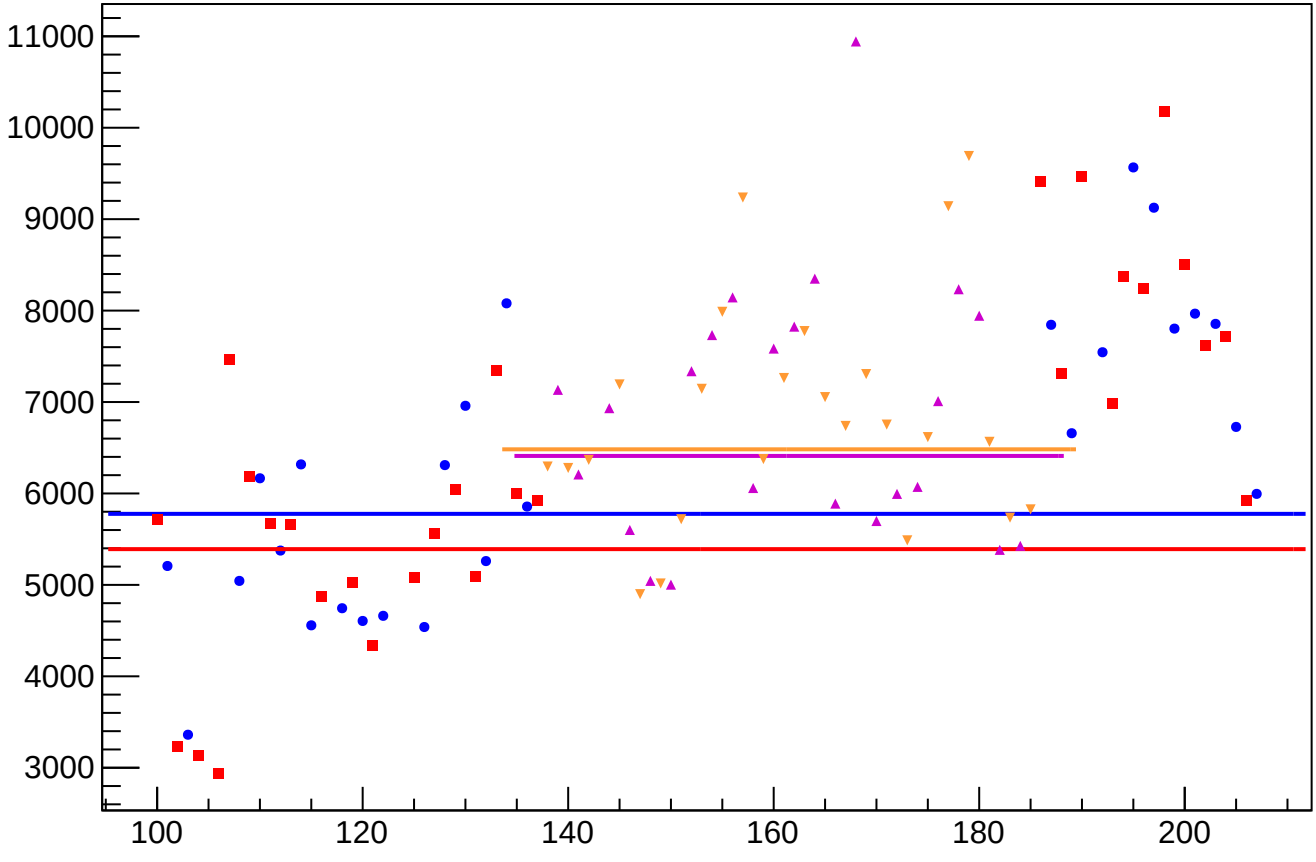
Right: -1151.592+/-1053.816 χ^2/NDF: 57.8/54

In: -331.884+/-1089.364 χ^2/NDF:42.1/48

Out: -1227.705+/-1048.552 χ^2/NDF:58.2/52

All: -796.889+/-755.454 χ^2/NDF: 100.7/101

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5776.910+/-1.098 χ^2/NDF: 2040698.5/25

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

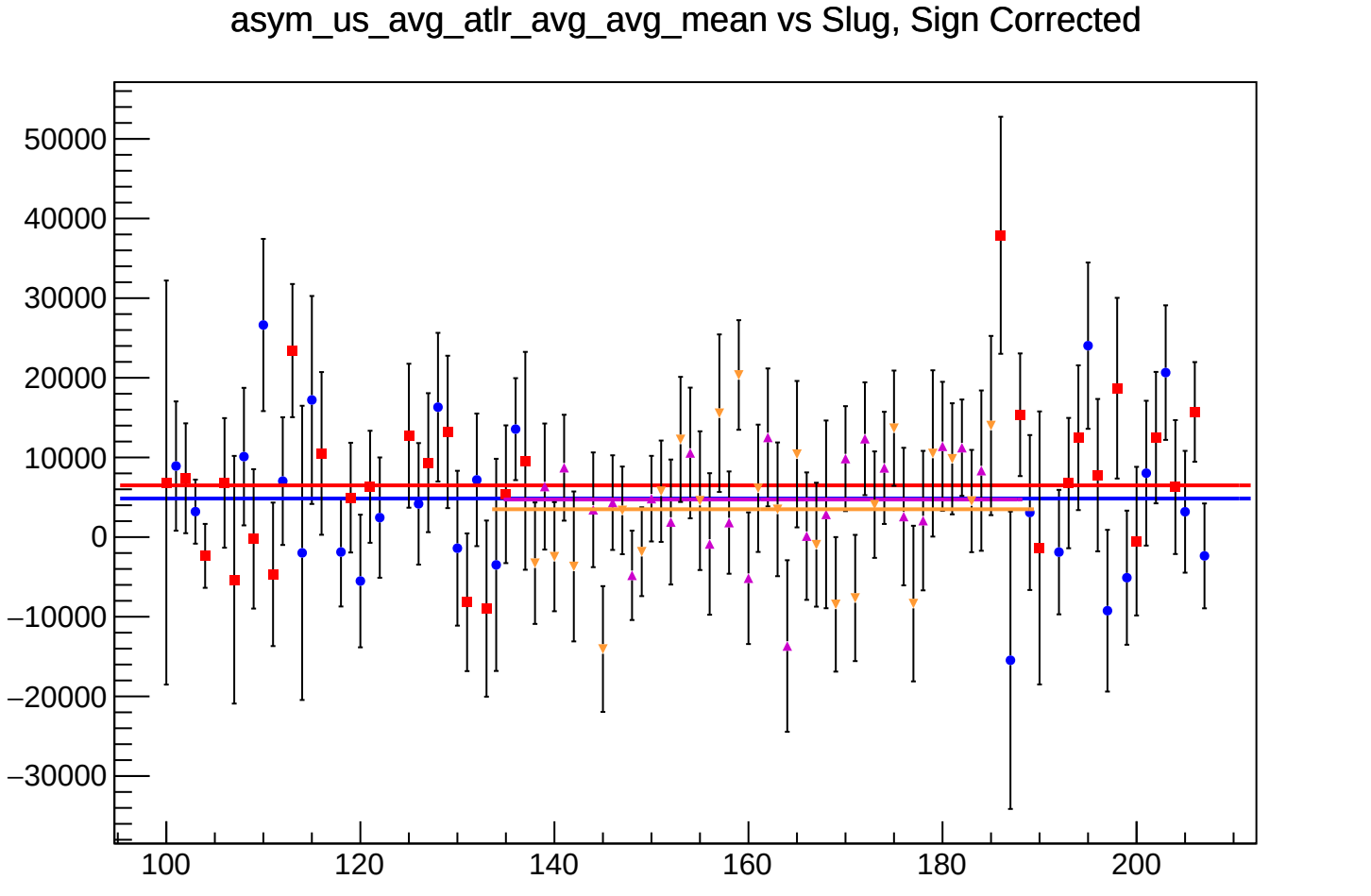
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5568.637+/-0.745 χ^2/NDF: 5714514.4/54

In: 6098.913+/-0.770 χ^2/NDF:3429585.4/48

Out: 5899.301+/-0.741 χ^2/NDF:5221169.5/52

All: 5995.298+/-0.534 χ^2/NDF: 8685612.2/10



Right In: 4843.348+/-1602.096 χ^2/NDF: 26.4/25

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

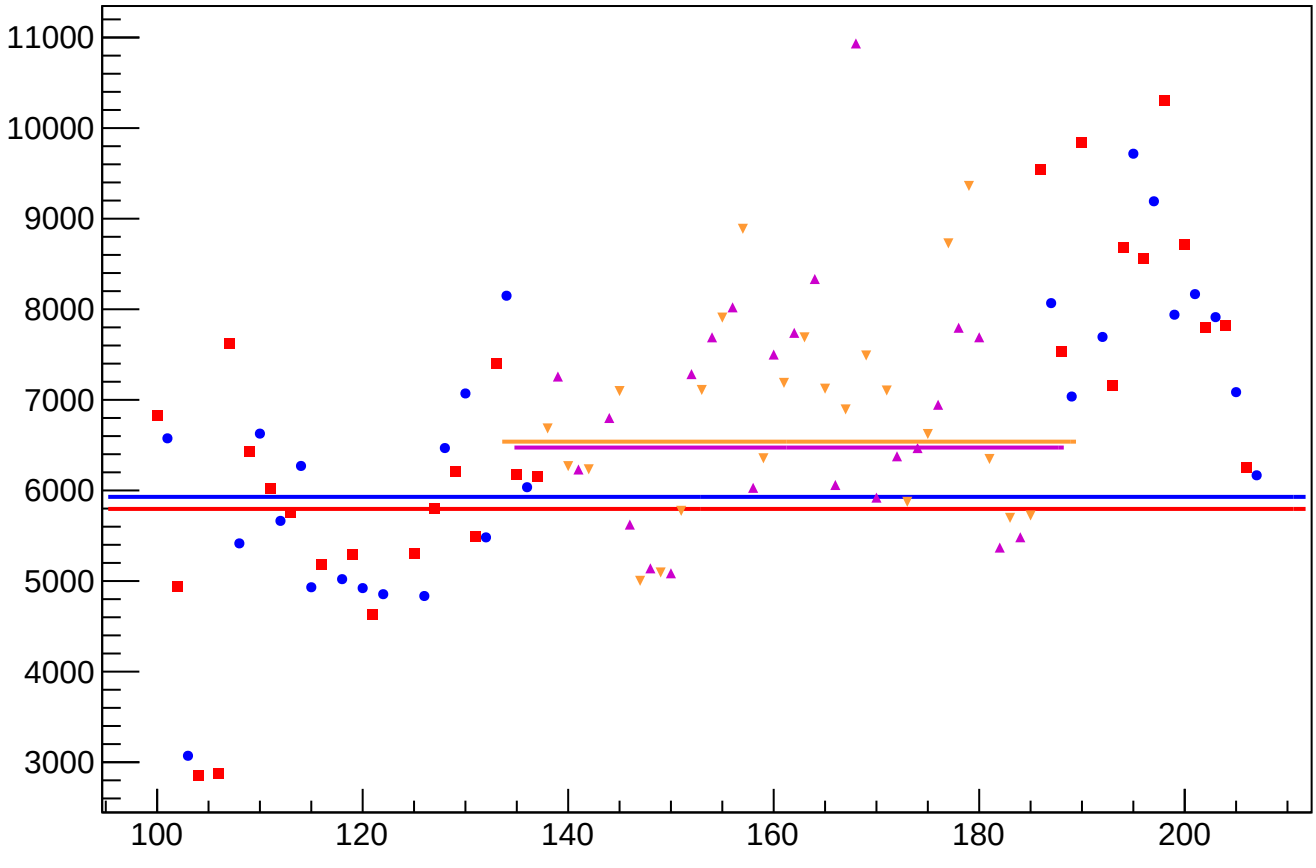
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5687.986+/-1120.046 χ^2/NDF: 55.6/54

In: 4778.963+/-1109.939 χ^2/NDF:40.6/48

Out: 4976.443+/-1100.296 χ^2/NDF:58.1/52

All: 4878.564+/-781.414 χ^2/NDF: 98.7/101



Right In: 5929.077+/-1.133 χ^2/NDF: 2314638.1/25

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5796.021+/-1.093 χ^2/NDF: 3251704.5/28

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

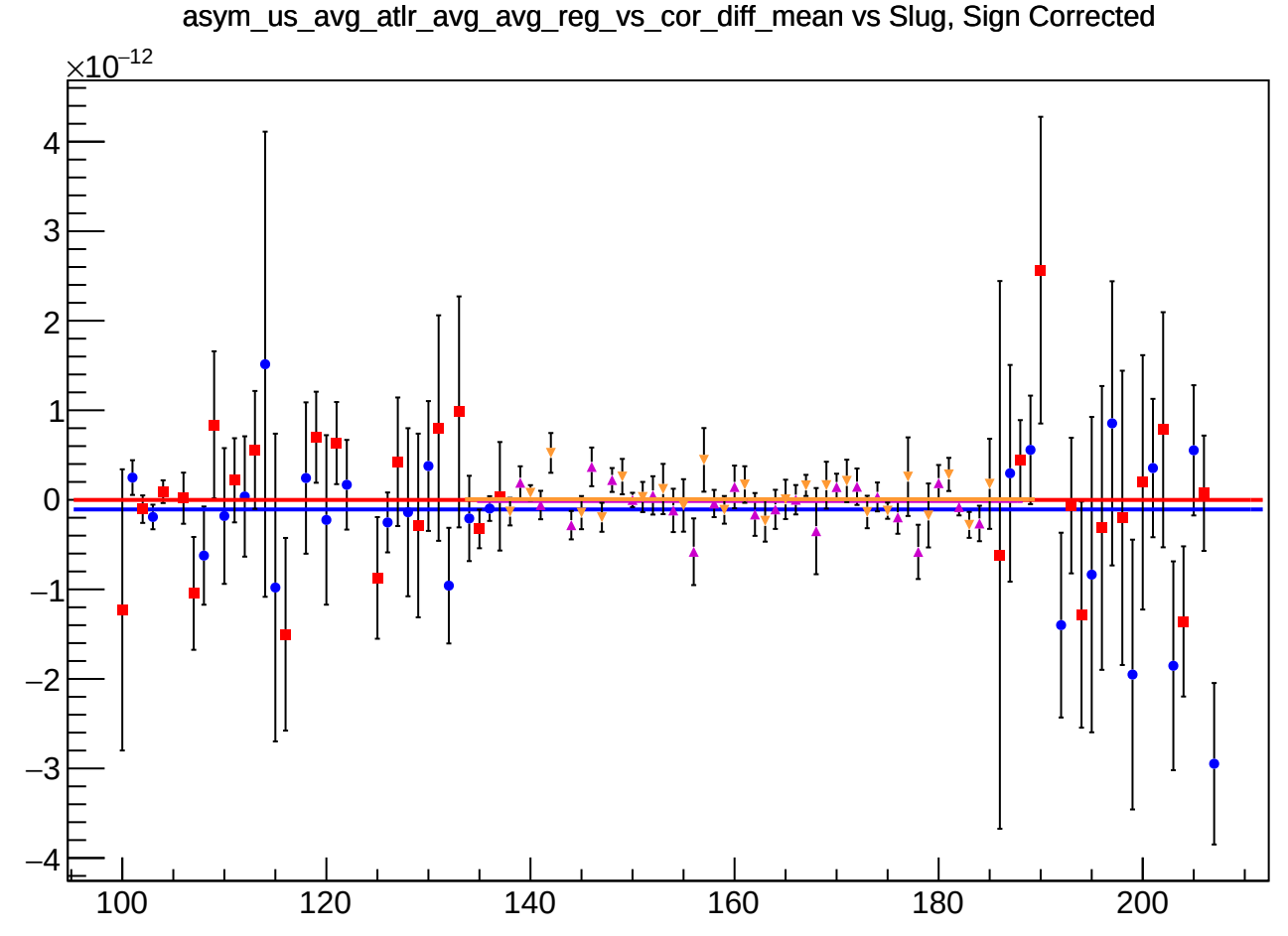
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5860.148+/-0.786 χ^2/NDF: 5573489.2/54

In: 6212.176+/-0.785 χ^2/NDF:3506489.6/48

Out: 6167.228+/-0.773 χ^2/NDF:4403225.5/52

All: 6189.354+/-0.551 χ^2/NDF: 7911380.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/25

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

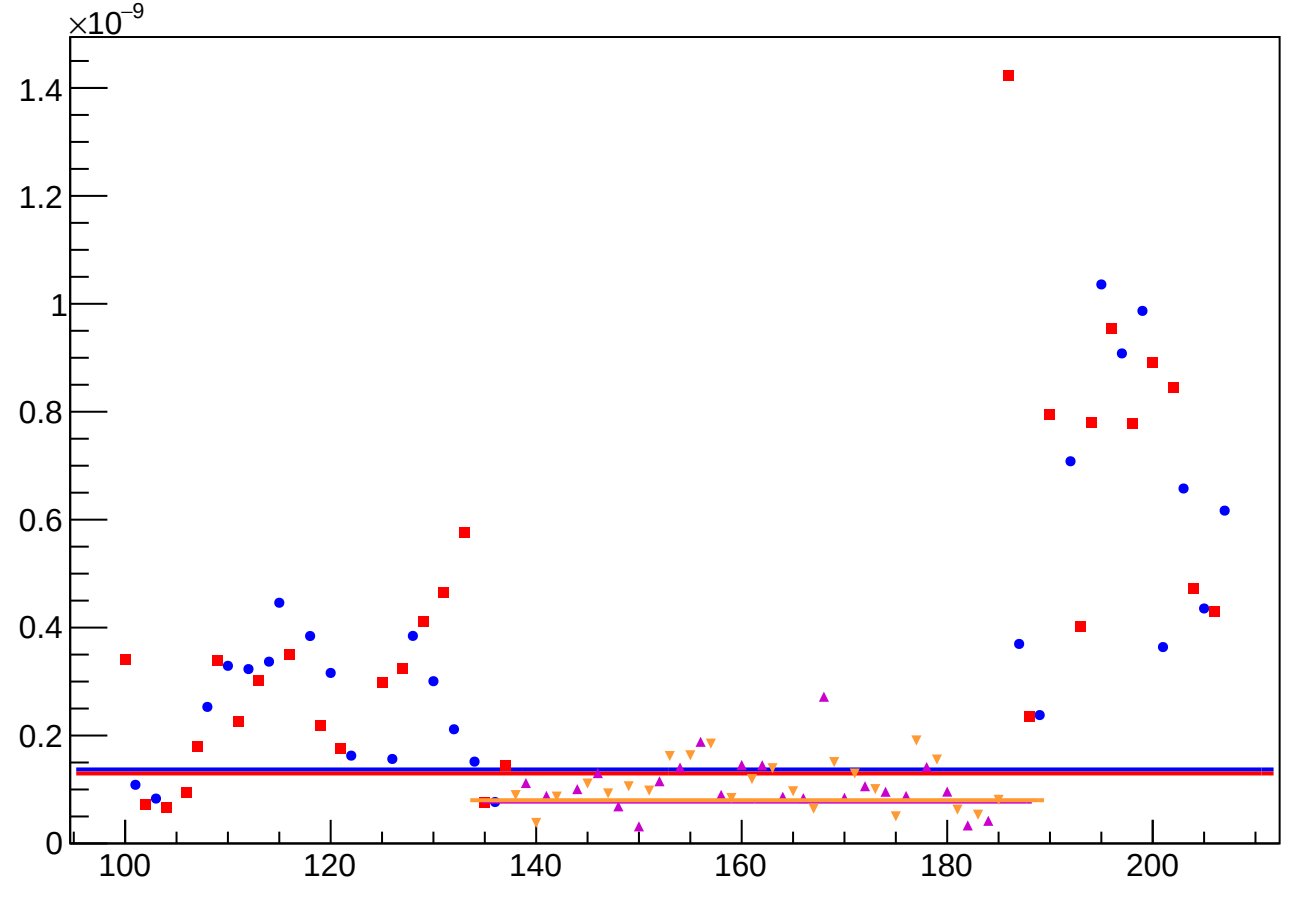
Left: -0.000+/-0.000 χ^2/NDF: 51.3/46

Right: -0.000+/-0.000 χ^2/NDF: 52.3/54

In: -0.000+/-0.000 χ^2/NDF:51.8/48

Out: 0.000+/-0.000 χ^2/NDF:51.9/52

All: -0.000+/-0.000 χ^2/NDF: 104.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 5550407.8/25

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6662394.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

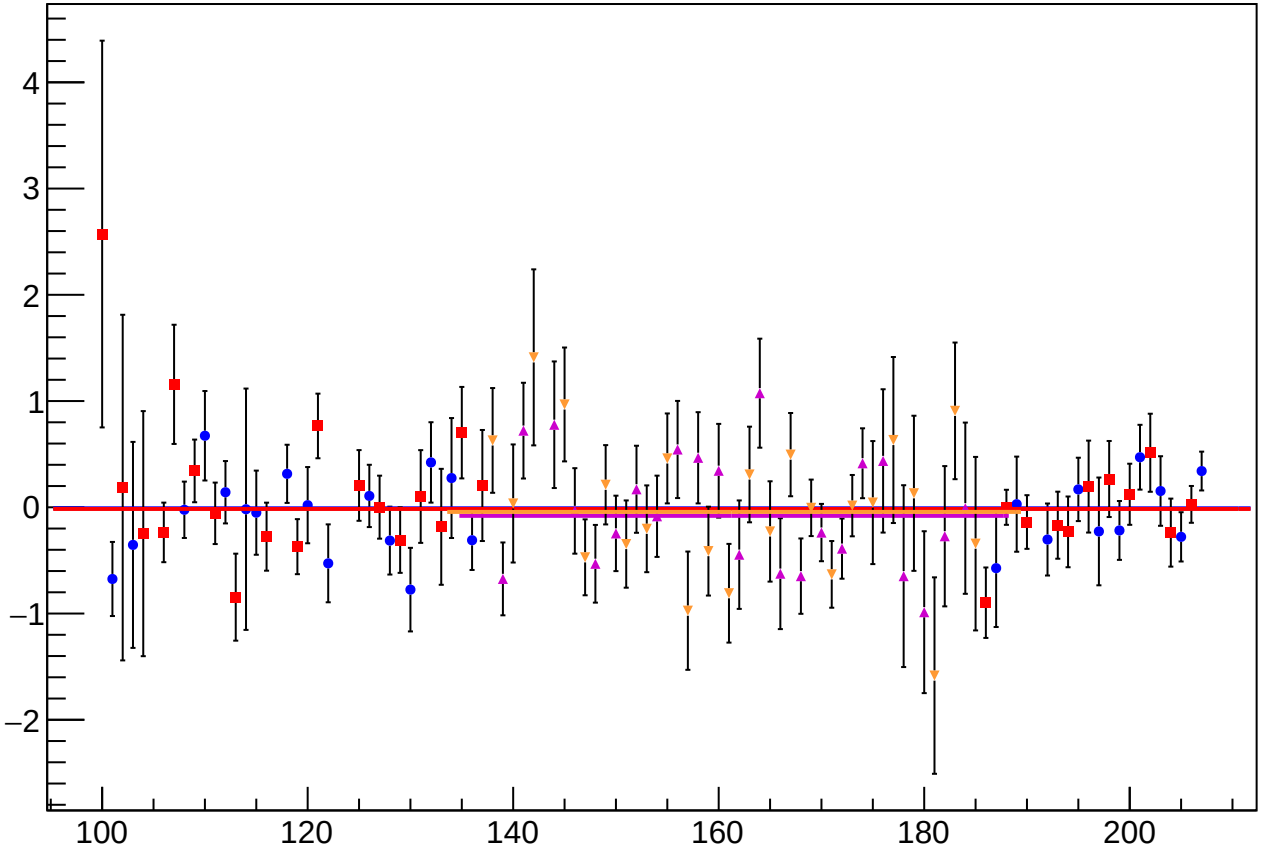
Right: 0.000+/-0.000 χ^2/NDF: 12222659.7/54

In: 0.000+/-0.000 χ^2/NDF:9227233.5/48

Out: 0.000+/-0.000 χ^2/NDF:9544410.1/52

All: 0.000+/-0.000 χ^2/NDF: 18773371.6/101

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.064 χ^2/NDF: 28.3/25

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

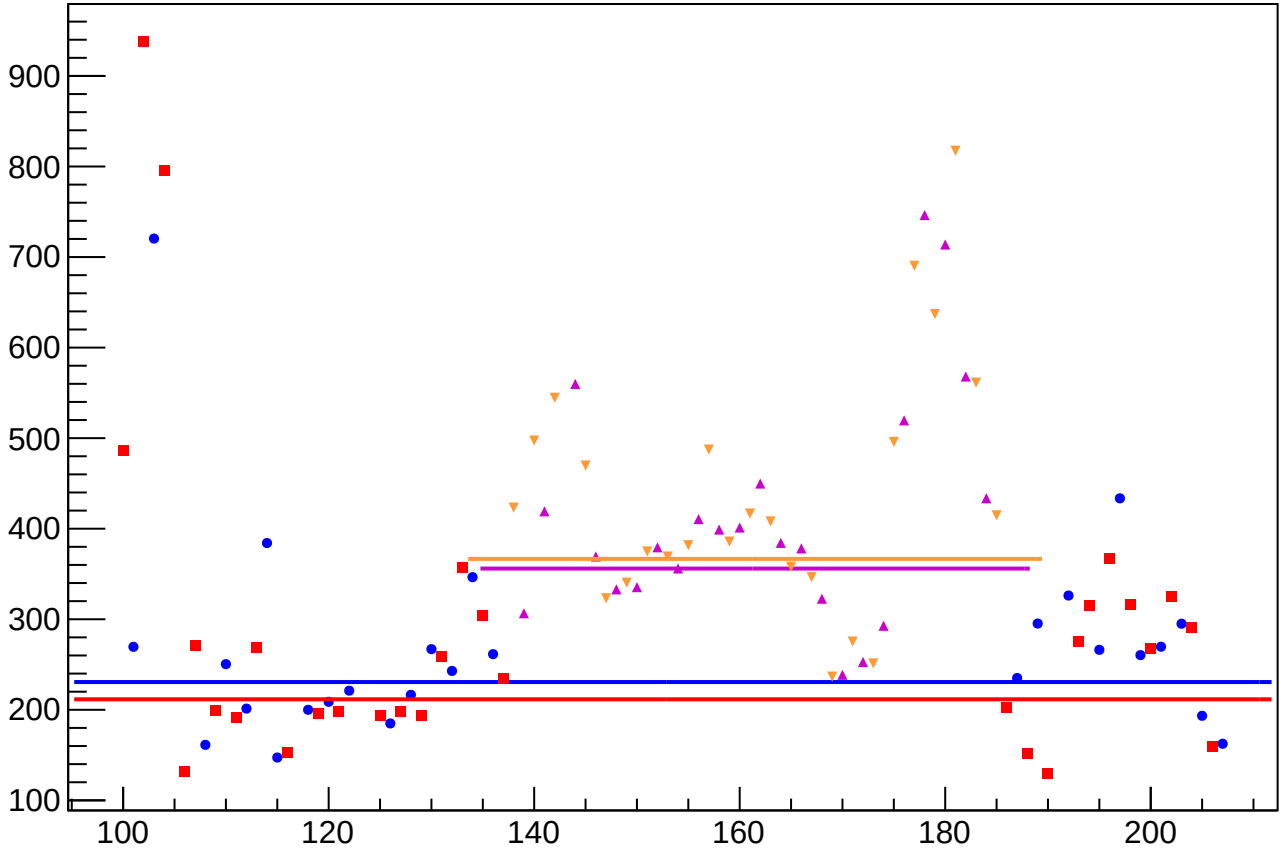
Right: -0.013+/-0.044 χ^2/NDF: 66.3/54

In: -0.034+/-0.052 χ^2/NDF:59.0/48

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.029+/-0.036 χ^2/NDF: 128.1/101

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 230.660+/-0.046 χ^2/NDF: 2047773.6/25

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

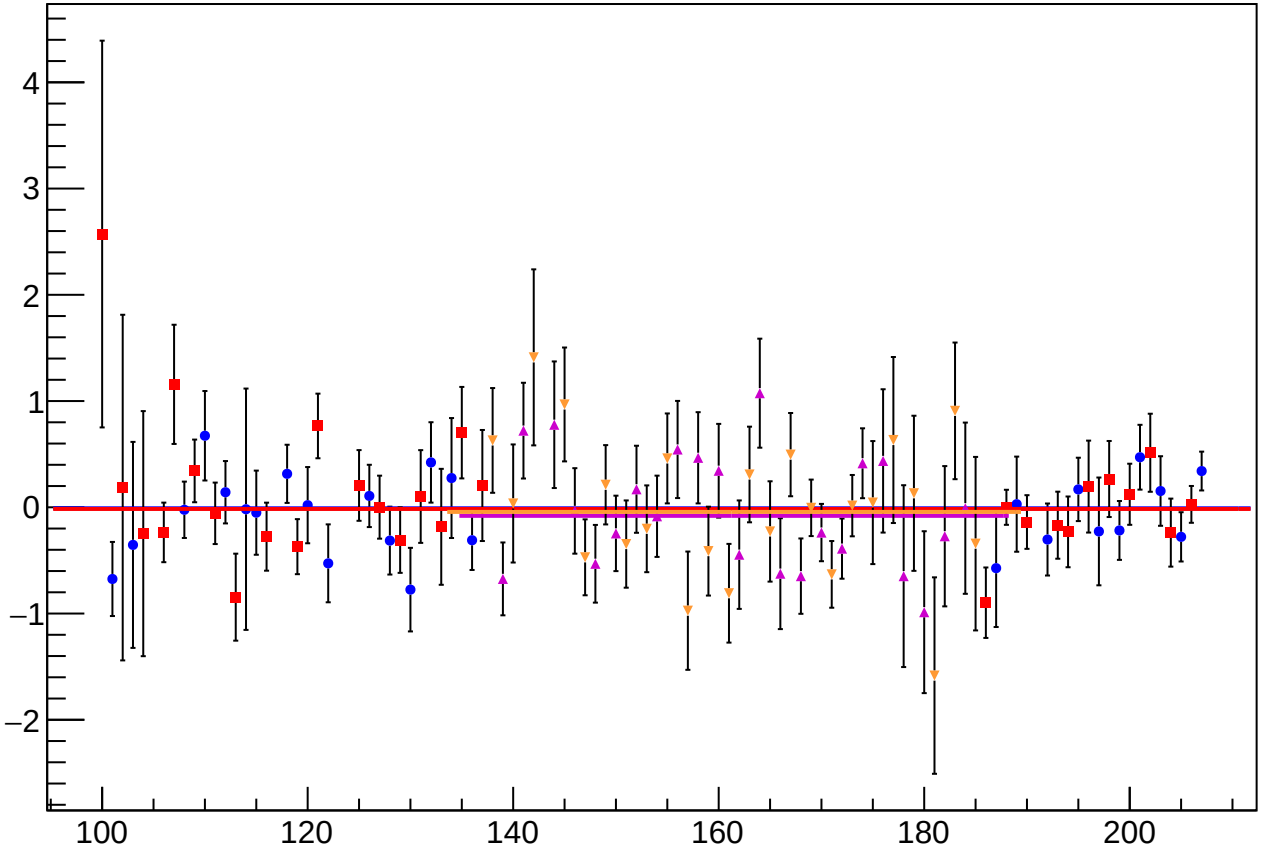
Right: 220.303+/-0.031 χ^2/NDF: 5445305.8/54

In: 274.538+/-0.037 χ^2/NDF:7119012.8/48

Out: 257.908+/-0.035 χ^2/NDF:10265721.1/52

All: 265.813+/-0.025 χ^2/NDF: 17492342.2/10

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.064 χ^2/NDF: 28.3/25

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

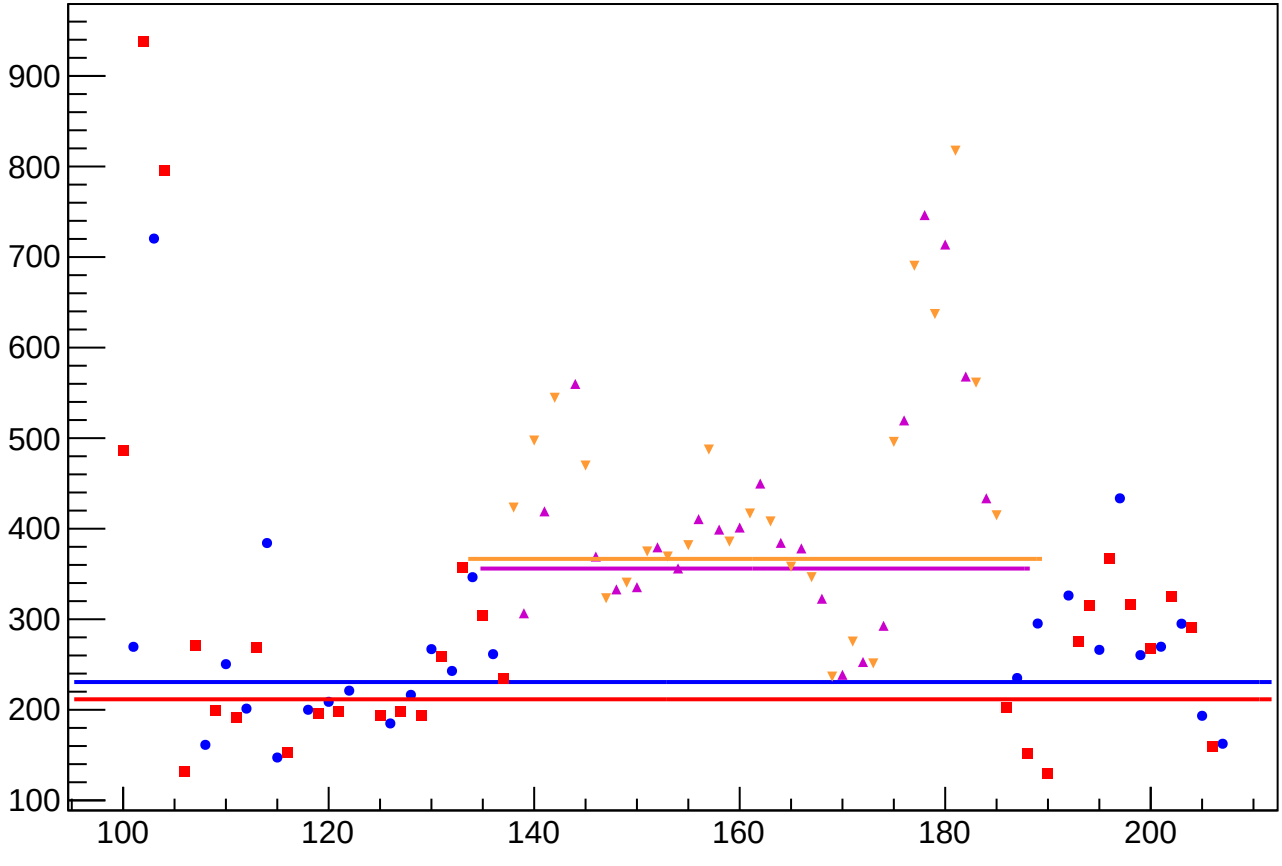
Right: -0.013+/-0.044 χ^2/NDF: 66.3/54

In: -0.034+/-0.052 χ^2/NDF:59.0/48

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.029+/-0.036 χ^2/NDF: 128.1/101

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 230.660+/-0.046 χ^2/NDF: 2047773.6/25

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

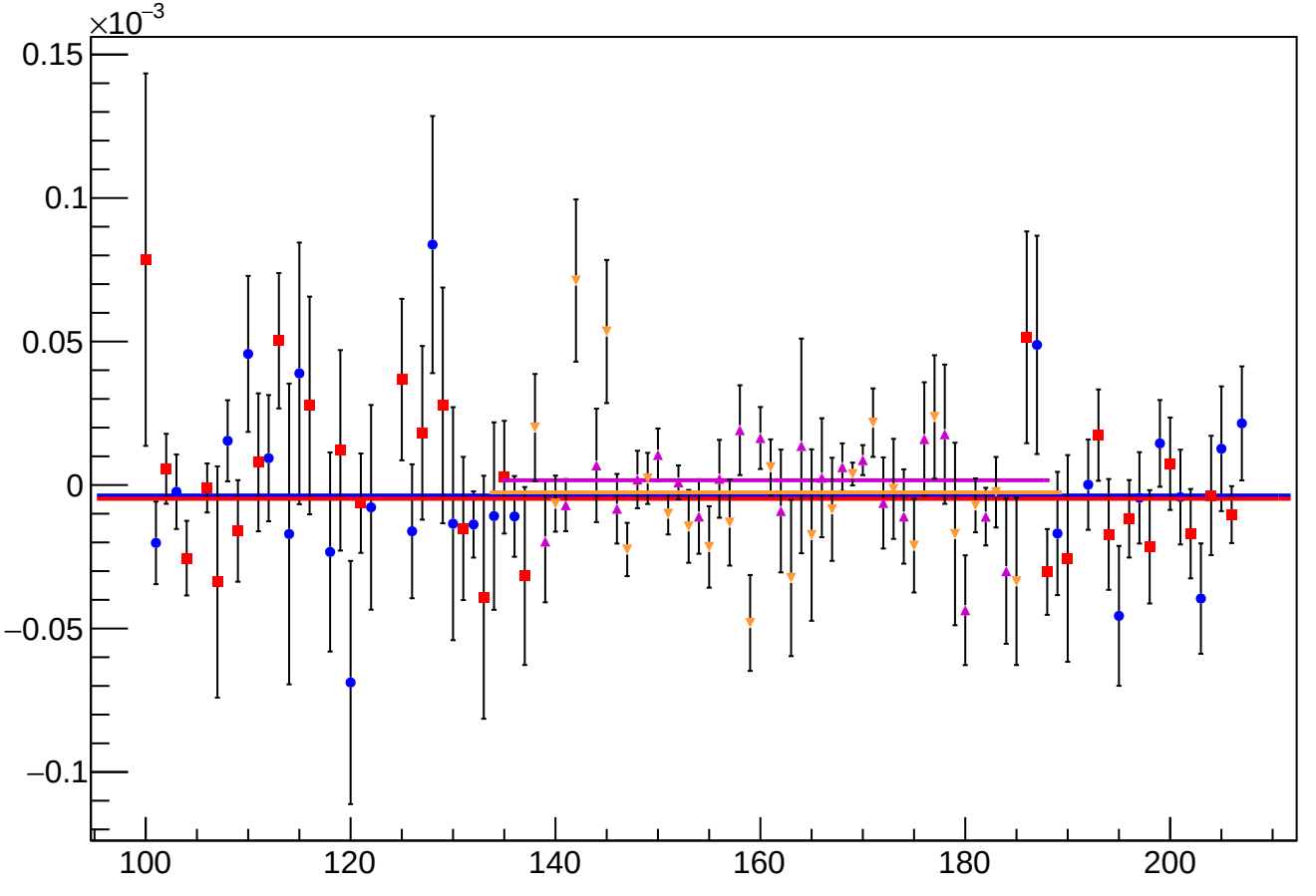
Right: 220.303+/-0.031 χ^2/NDF: 5445305.8/54

In: 274.538+/-0.037 χ^2/NDF:7119012.8/48

Out: 257.908+/-0.035 χ^2/NDF:10265721.1/52

All: 265.813+/-0.025 χ^2/NDF: 17492342.2/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.1/25

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

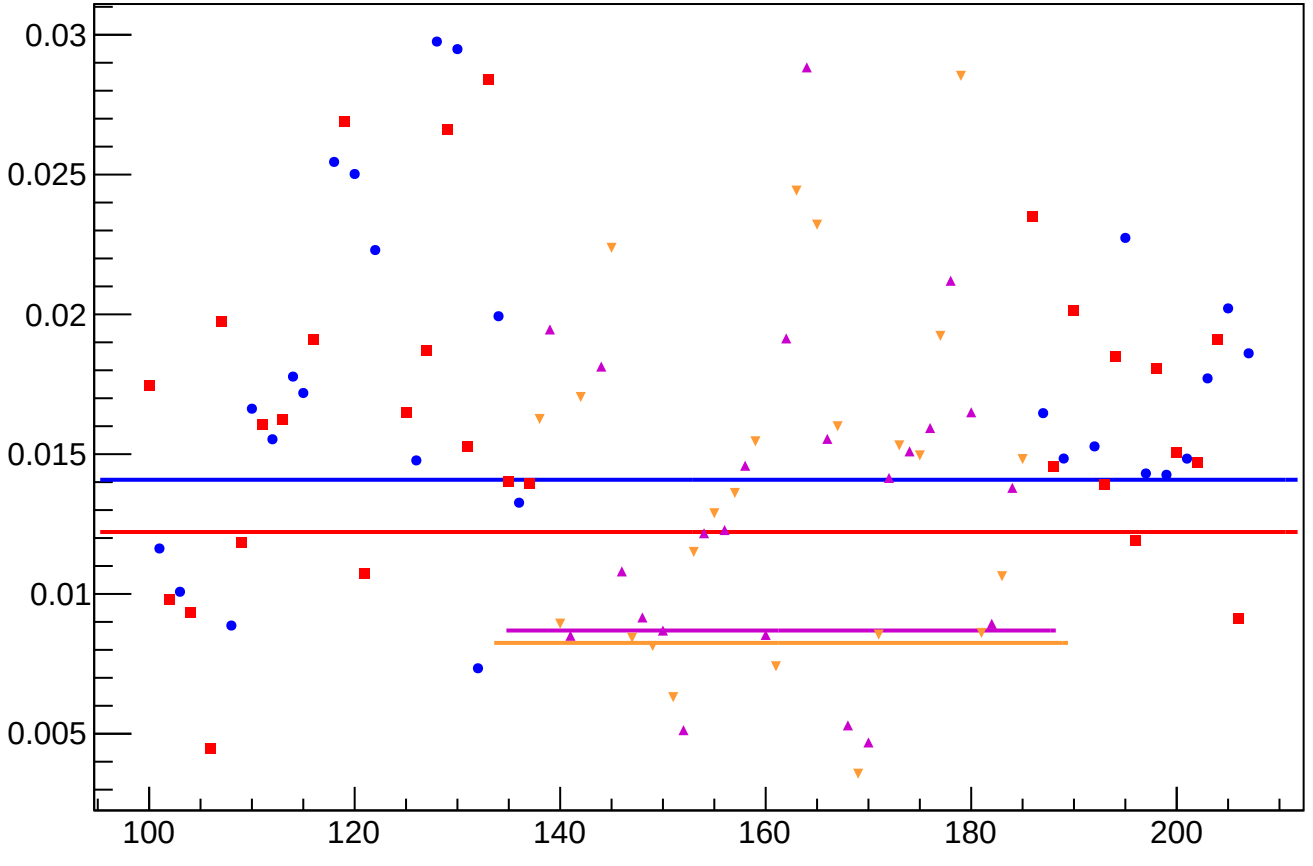
Right: -0.000+/-0.000 χ^2/NDF: 56.4/54

In: 0.000+/-0.000 χ^2/NDF:50.1/48

Out: -0.000+/-0.000 χ^2/NDF:72.1/52

All: -0.000+/-0.000 χ^2/NDF: 123.8/101

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: 2922801.2/25

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

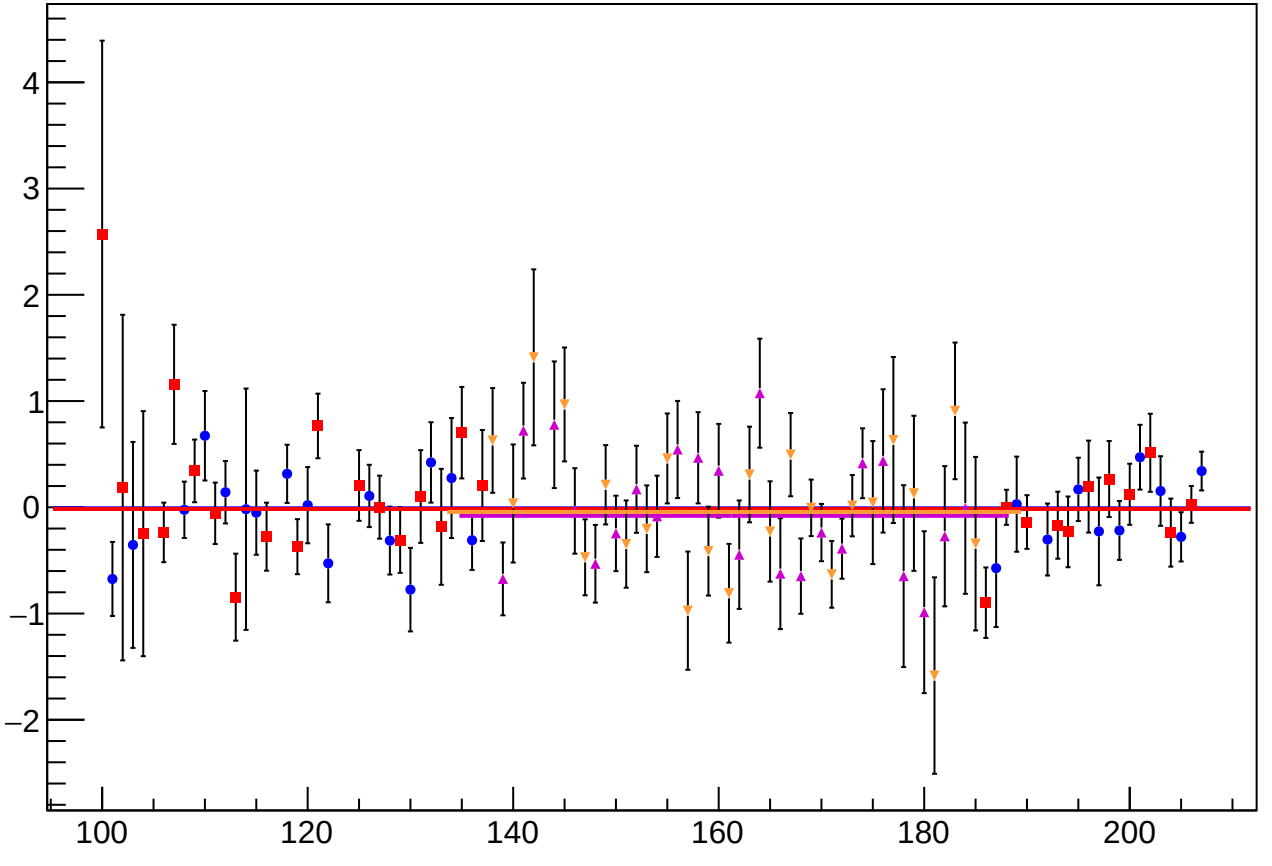
Right: 0.013+/-0.000 χ^2/NDF: 7637092.9/54

In: 0.010+/-0.000 χ^2/NDF:12627887.7/48

Out: 0.009+/-0.000 χ^2/NDF:15245523.8/52

All: 0.010+/-0.000 χ^2/NDF: 27986175.8/101

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.064 χ^2/NDF: 28.3/25

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

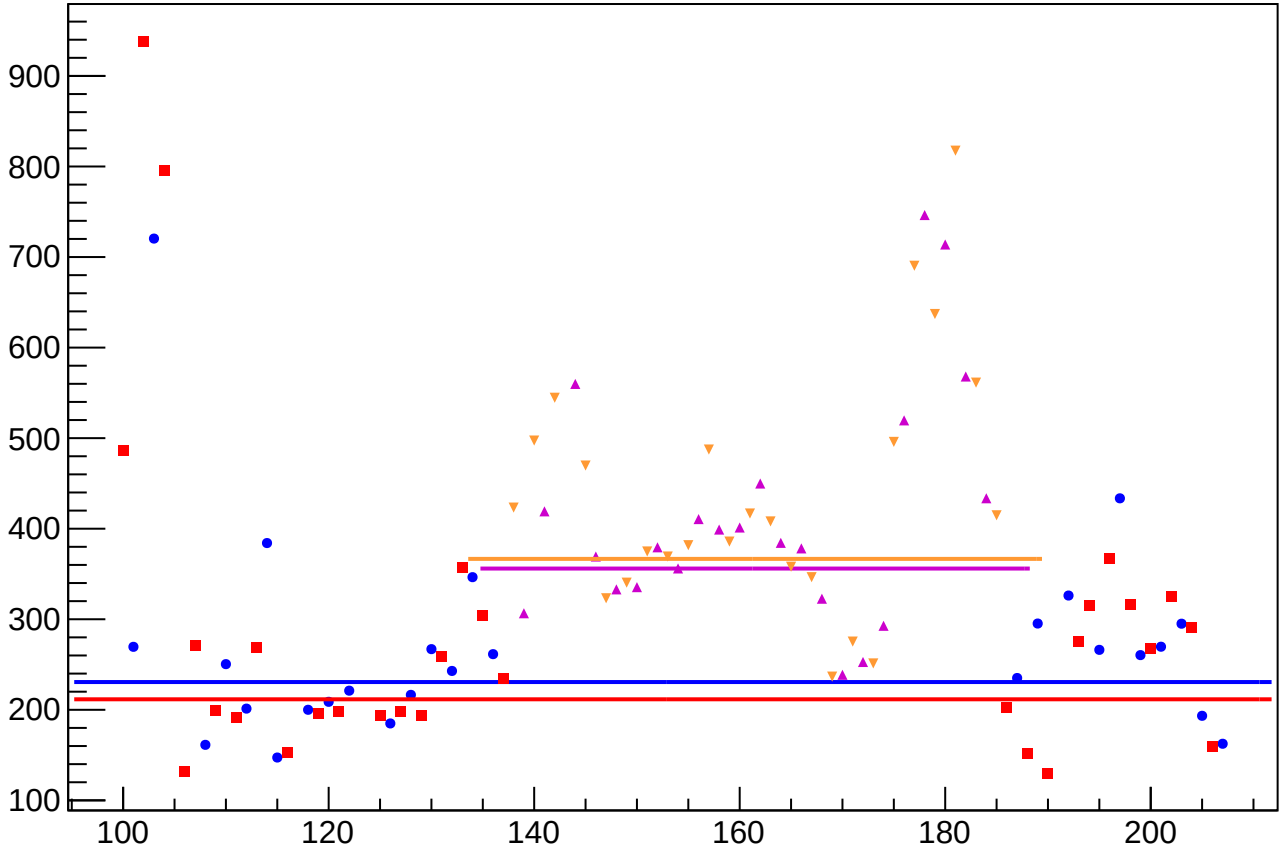
Right: -0.013+/-0.044 χ^2/NDF: 66.3/54

In: -0.034+/-0.052 χ^2/NDF:59.0/48

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.029+/-0.036 χ^2/NDF: 128.1/101

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 230.658+/-0.046 χ^2/NDF: 2047812.7/25

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

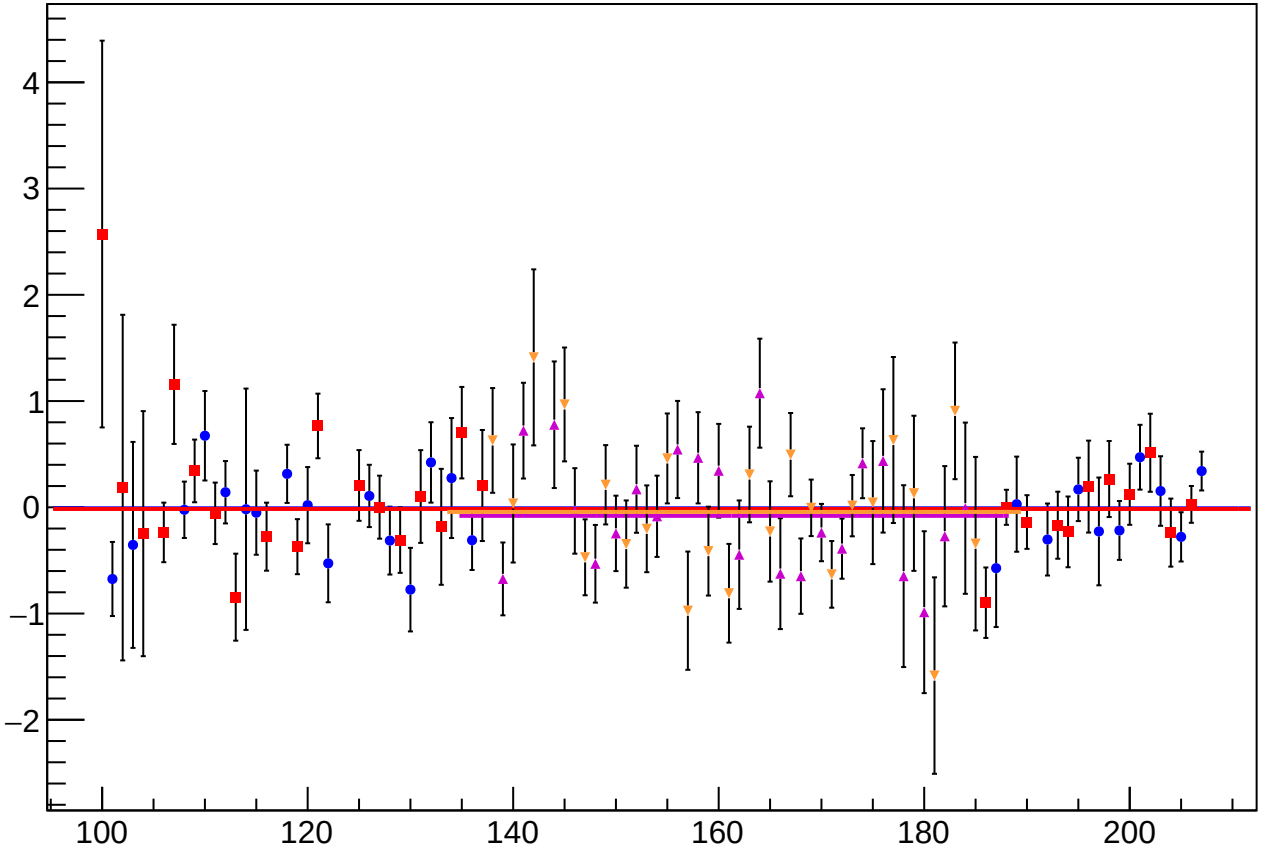
Right: 220.301+/-0.031 χ^2/NDF: 5445441.5/54

In: 274.537+/-0.037 χ^2/NDF:7119337.9/48

Out: 257.906+/-0.035 χ^2/NDF:10266199.8/52

All: 265.811+/-0.025 χ^2/NDF: 17493167.3/10

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.064 χ^2/NDF: 28.3/25

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

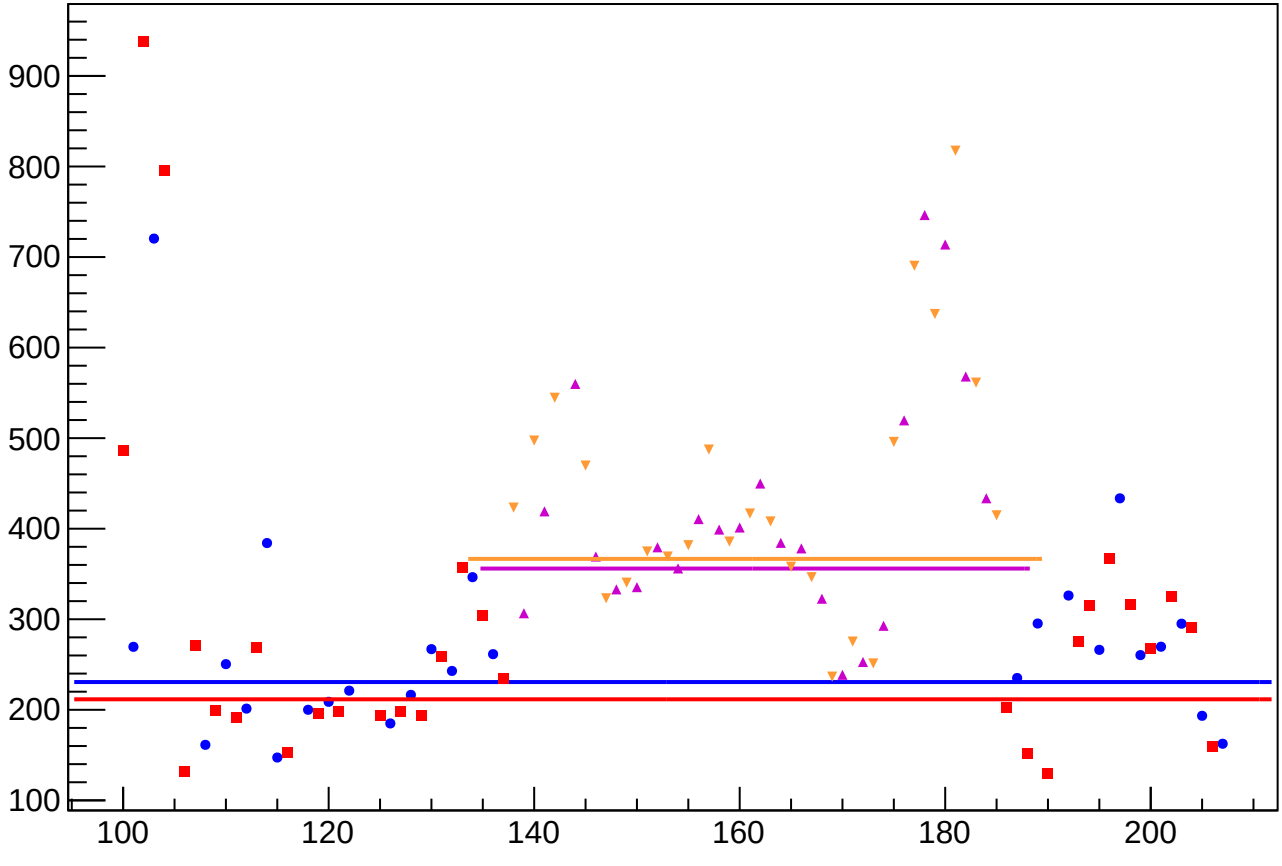
Right: -0.013+/-0.044 χ^2/NDF: 66.3/54

In: -0.034+/-0.052 χ^2/NDF:59.0/48

Out: -0.024+/-0.049 χ^2/NDF:69.0/52

All: -0.029+/-0.036 χ^2/NDF: 128.1/101

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 230.658+/-0.046 χ^2/NDF: 2047812.7/25

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

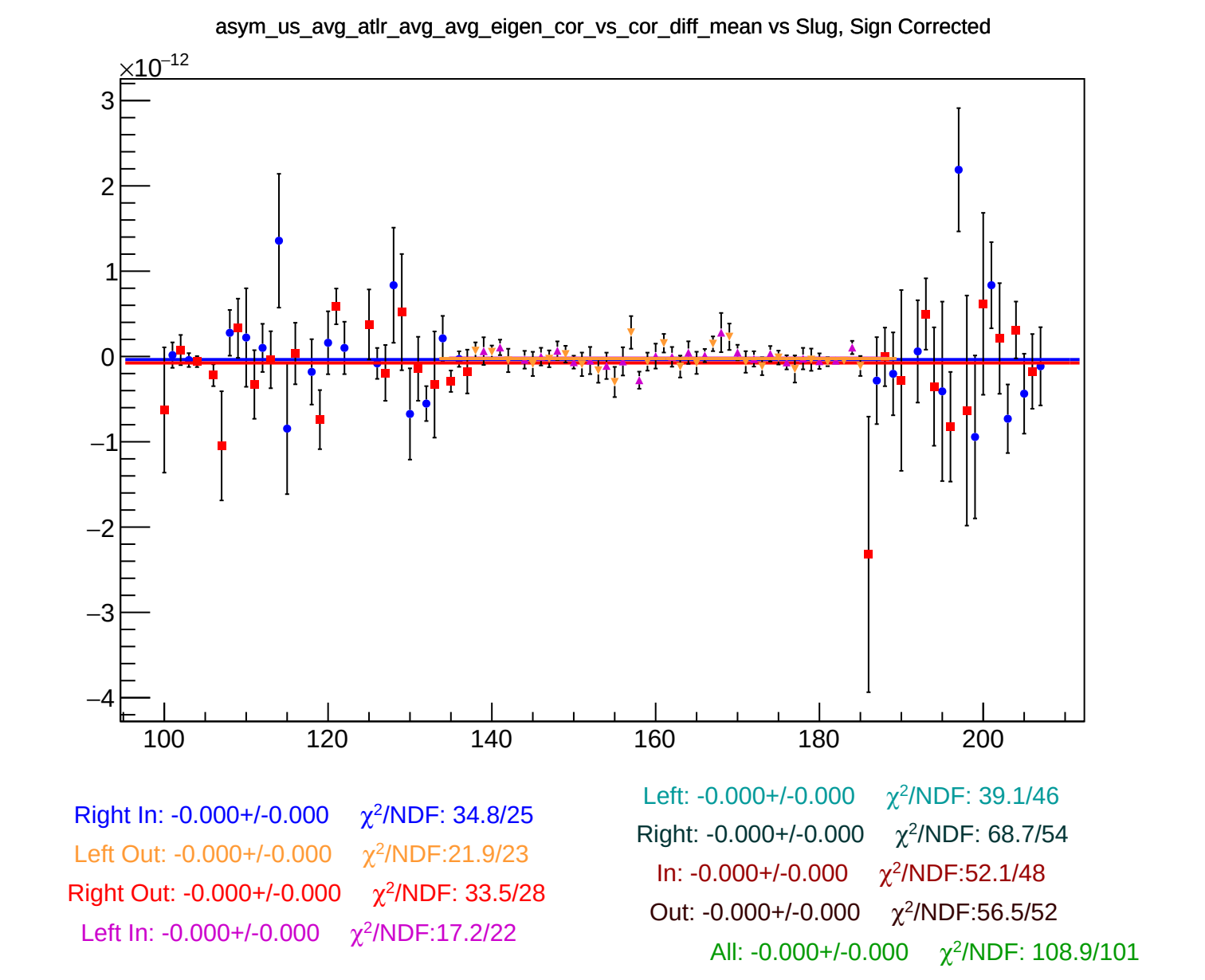
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 220.301+/-0.031 χ^2/NDF: 5445441.5/54

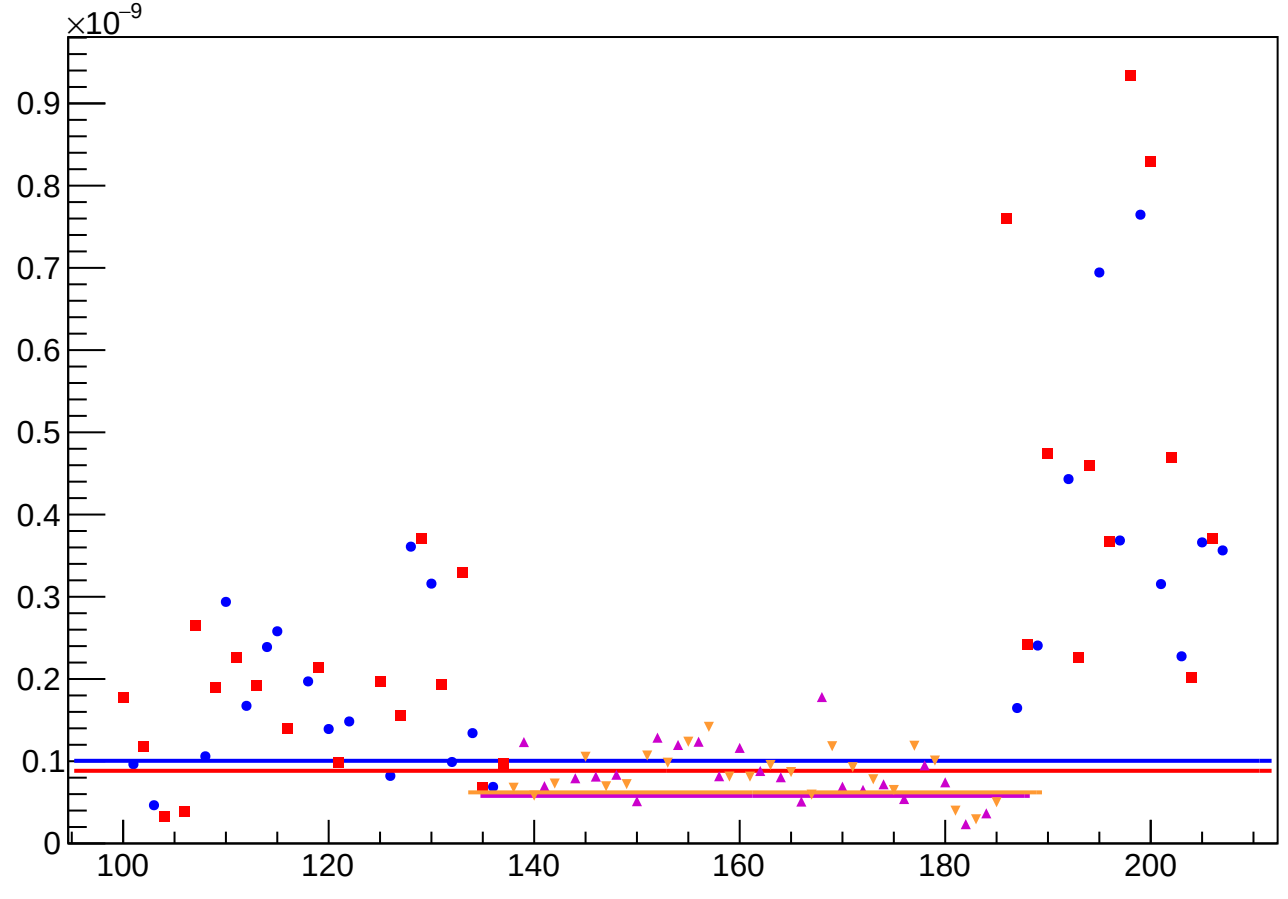
In: 274.537+/-0.037 χ^2/NDF:7119337.9/48

Out: 257.906+/-0.035 χ^2/NDF:10266199.8/52

All: 265.811+/-0.025 χ^2/NDF: 17493167.3/10


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: 34.8/25
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: 68.7/54
In: -0.000+/-0.000 χ²/NDF:52.1/48
Out: -0.000+/-0.000 χ²/NDF:56.5/52
All: -0.000+/-0.000 χ²/NDF: 108.9/101

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7050877.8/25

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

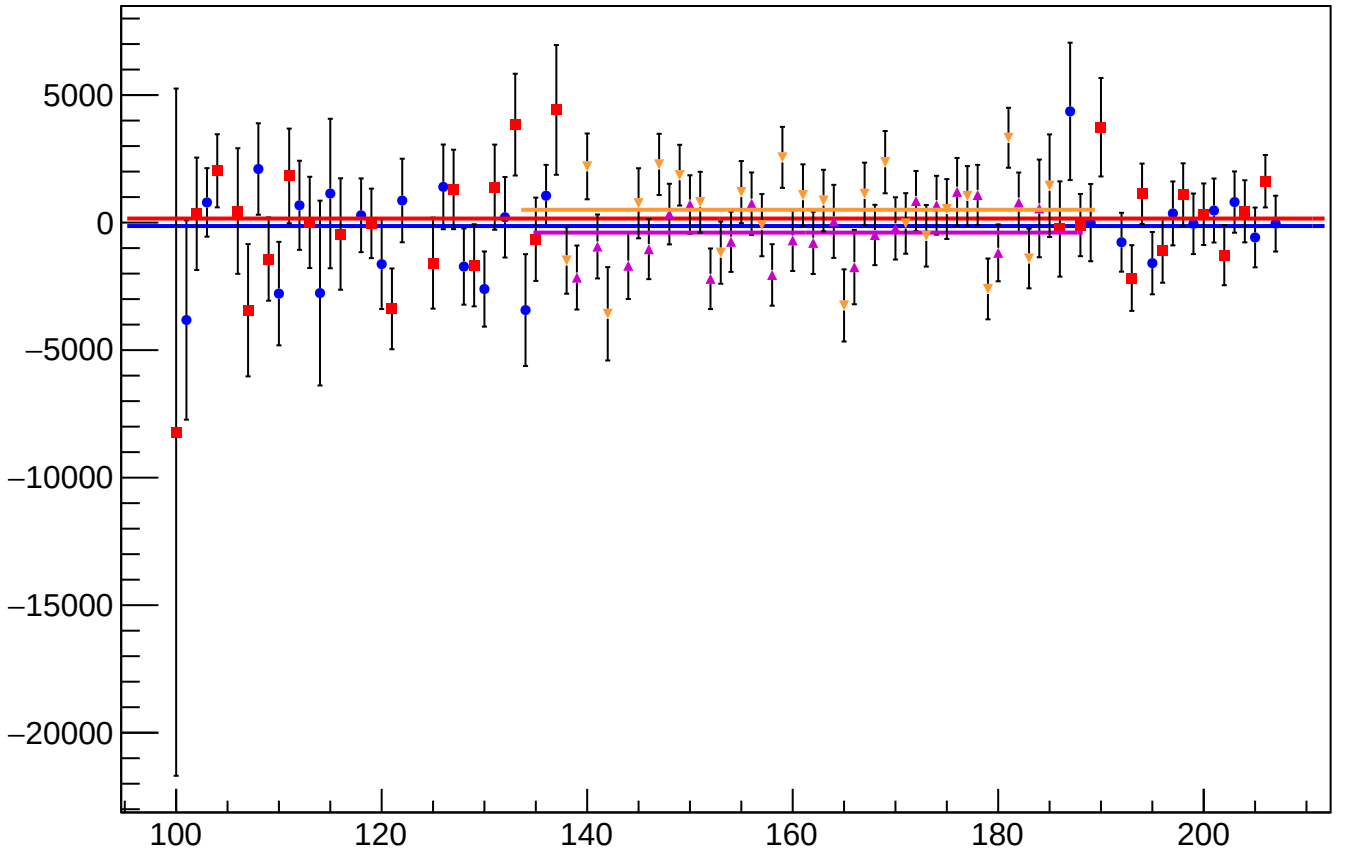
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 16842443.4/54

In: 0.000+/-0.000 χ^2/NDF:14078809.2/48

Out: 0.000+/-0.000 χ^2/NDF:14442307.4/52

All: 0.000+/-0.000 χ^2/NDF: 28544786.7/101



Right In: -135.291+/-292.822 χ^2/NDF: 20.5/25

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

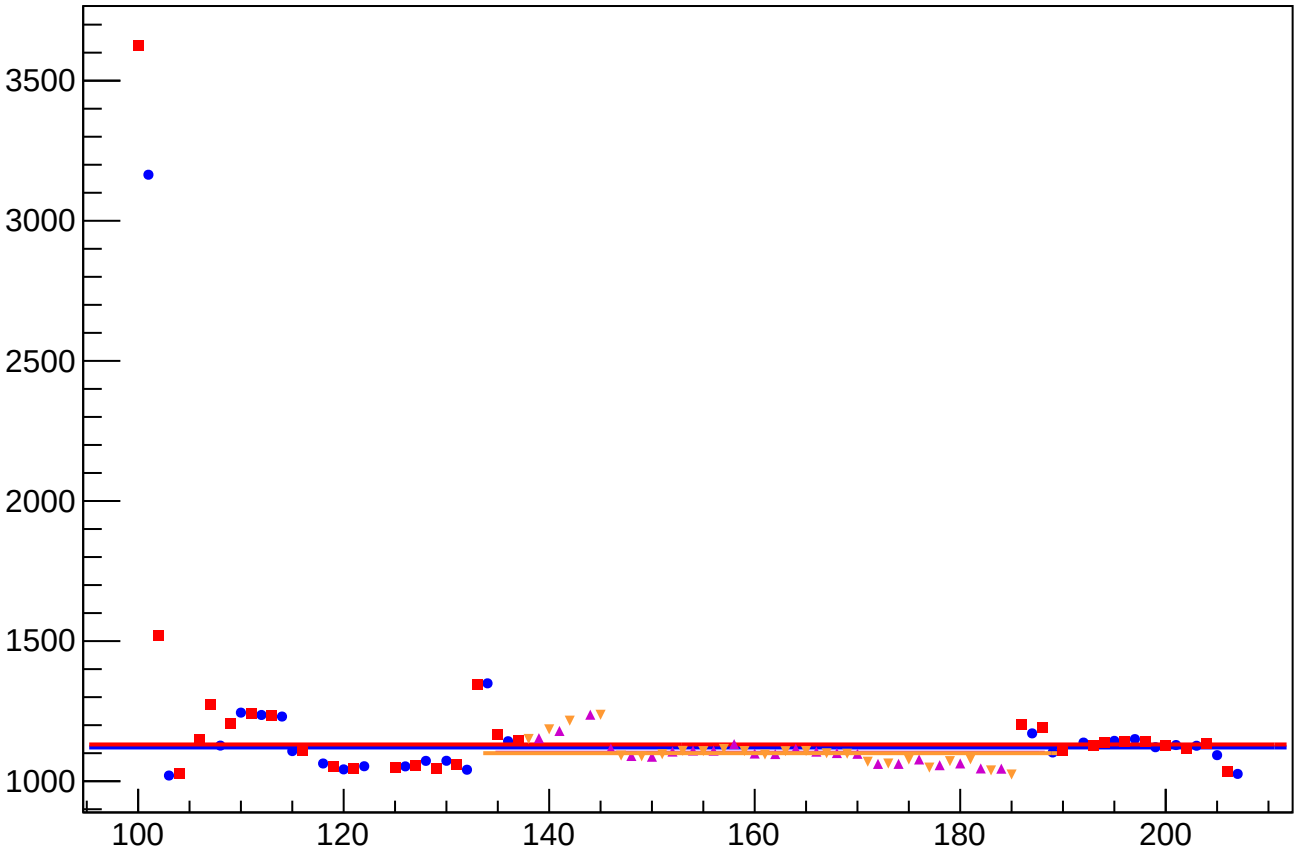
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: 15.388+/-204.516 χ^2/NDF: 54.3/54

In: -279.942+/-193.321 χ^2/NDF:38.7/48

Out: 350.445+/-190.484 χ^2/NDF:78.7/52

All: 39.911+/-135.684 χ^2/NDF: 122.8/101



Right In: 1120.408+/-0.207 χ^2/NDF: 641440.3/25

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

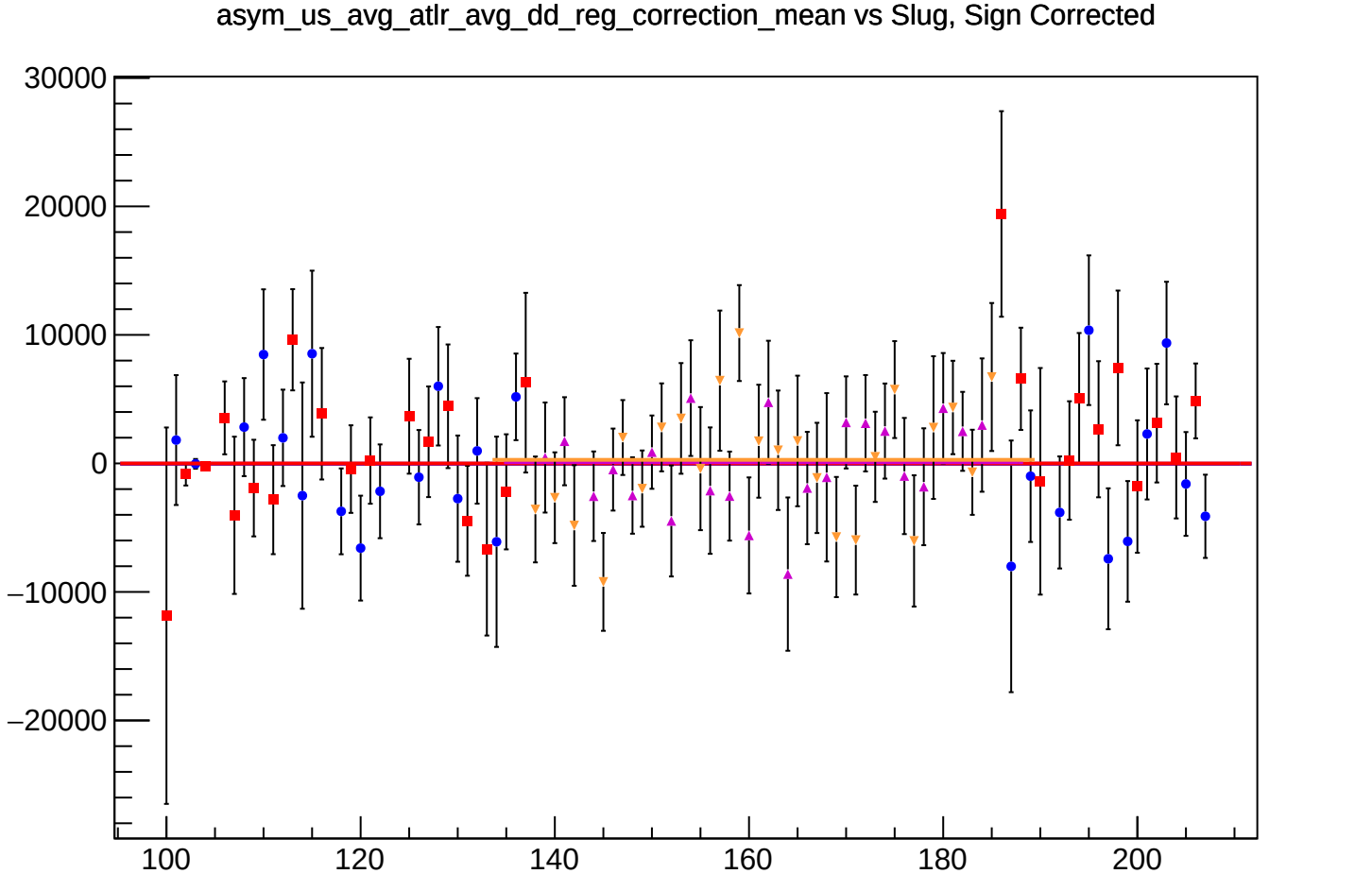
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1125.908+/-0.145 χ^2/NDF: 890135.5/54

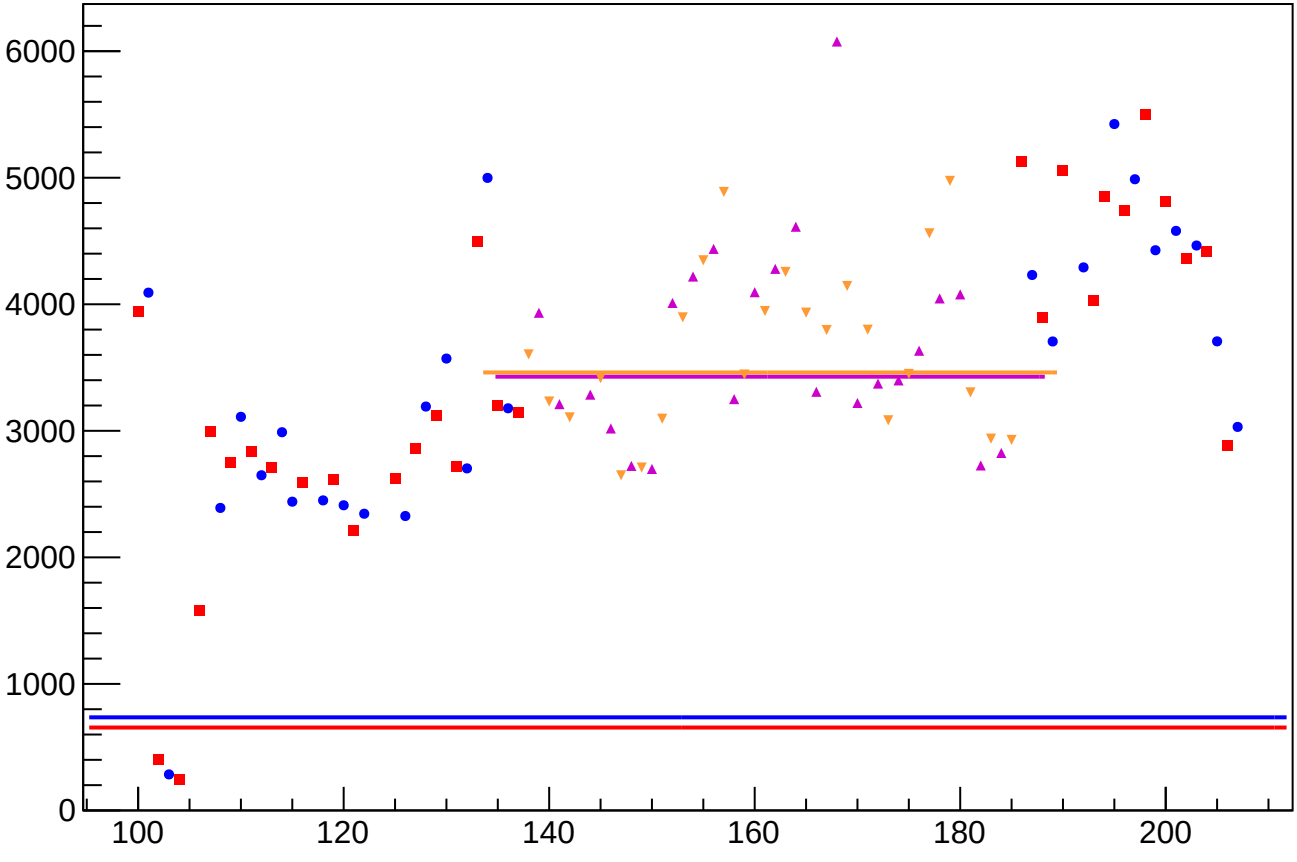
In: 1109.758+/-0.137 χ^2/NDF:698276.0/48

Out: 1113.882+/-0.135 χ^2/NDF:319205.7/52

All: 1111.851+/-0.096 χ^2/NDF: 1017943.7/10


asym_us_avg_atlr_avg_dd_reg_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -27.770+/-347.813 χ²/NDF: 28.8/25
Left Out: 277.507+/-820.501 χ²/NDF:29.9/23
Right Out: -5.457+/-314.659 χ²/NDF: 30.8/28
Left In: 94.734+/-817.223 χ²/NDF:13.7/22
Left: 185.755+/-579.019 χ²/NDF: 43.6/46
Right: -15.500+/-233.340 χ²/NDF: 59.7/54
In: -8.983+/-320.033 χ²/NDF:42.5/48
Out: 30.823+/-293.795 χ²/NDF:60.8/52
All: 12.618+/-216.427 χ²/NDF: 103.3/101

asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 735.861+/-0.246 χ^2/NDF: 20700325.6/25

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

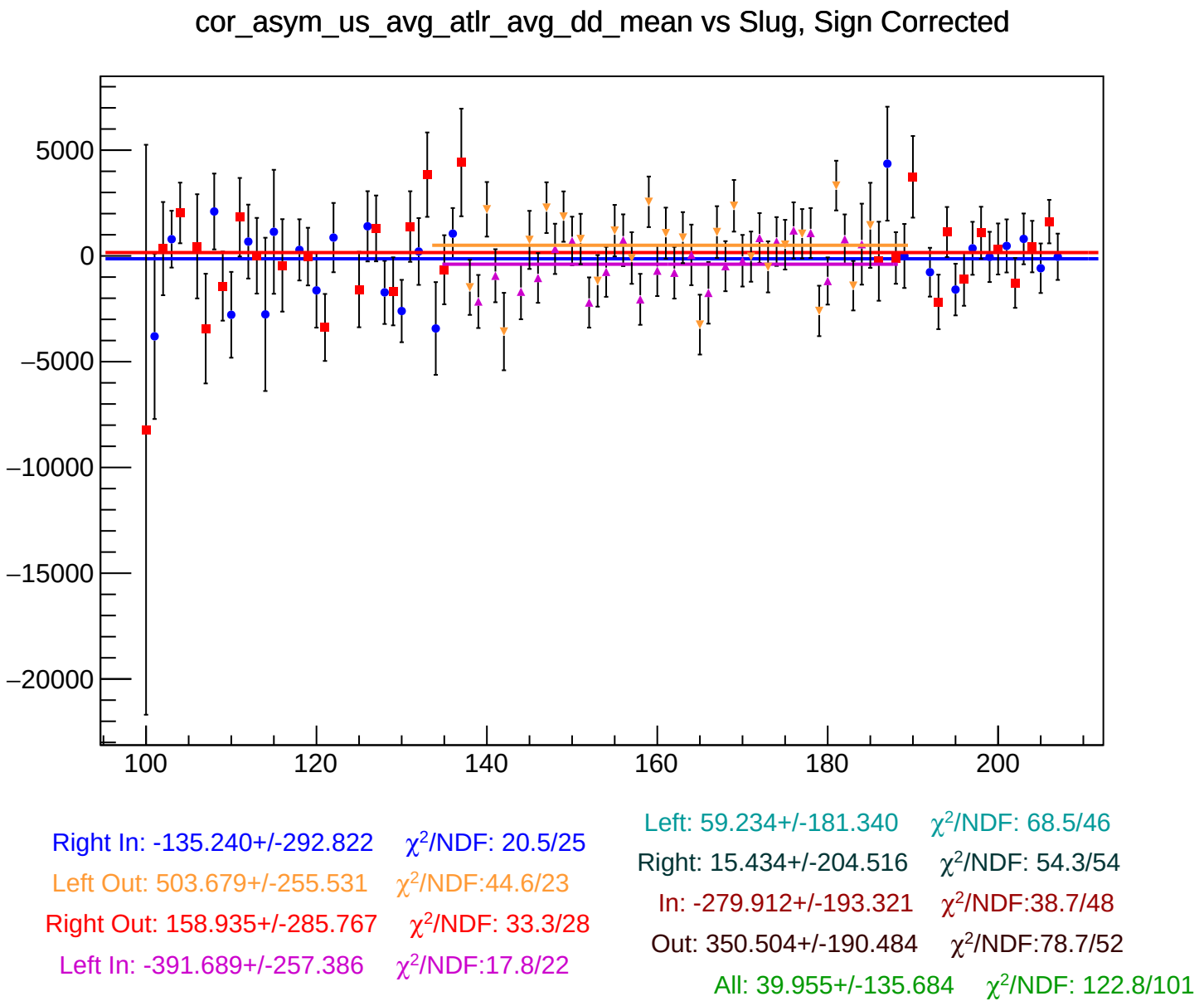
Left: 3444.493+/-0.409 χ^2/NDF: 2303484.4/46

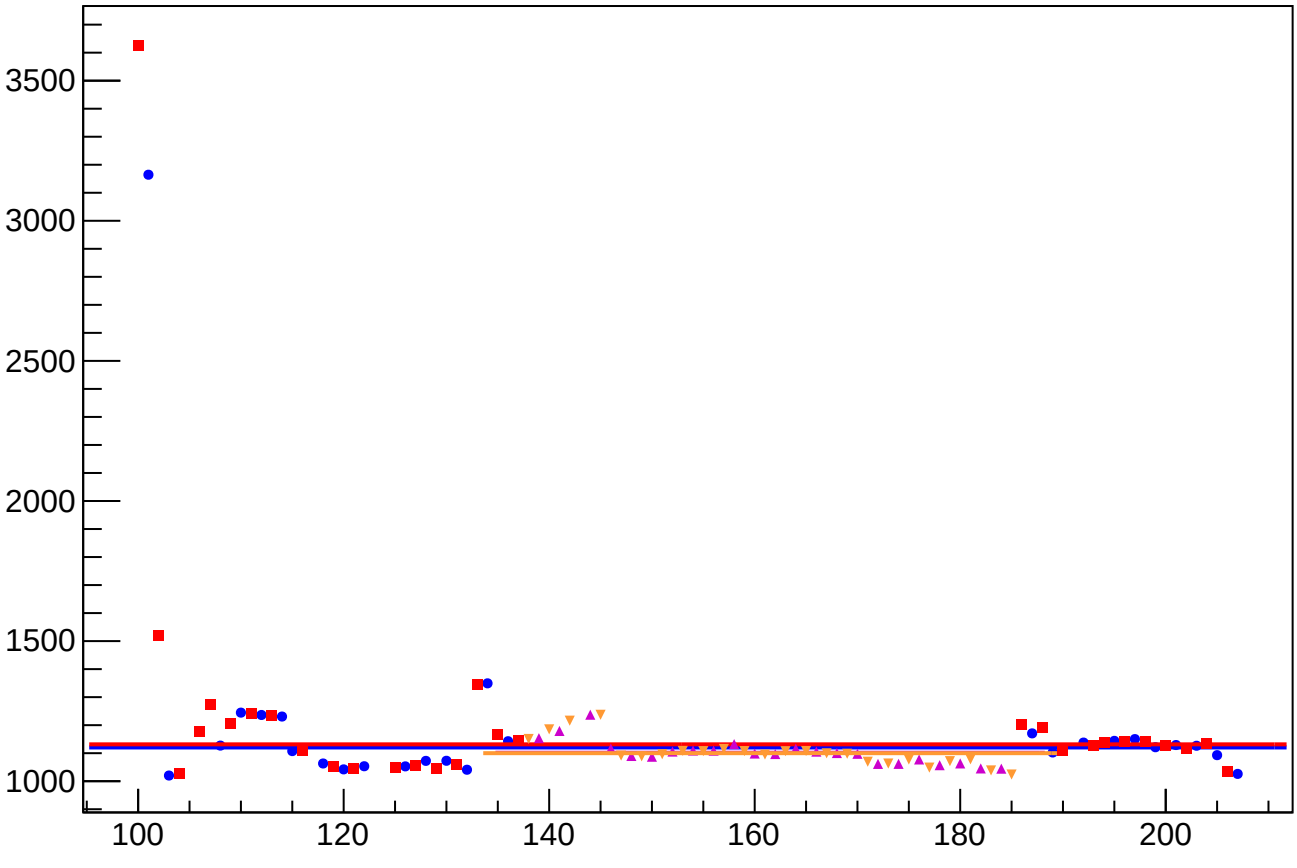
Right: 691.603+/-0.165 χ^2/NDF: 42937971.4/54

In: 1148.703+/-0.226 χ^2/NDF:40317224.1/48

Out: 1015.129+/-0.208 χ^2/NDF:43627576.9/52

All: 1076.217+/-0.153 χ^2/NDF: 84133868.1/1


cor_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: -135.240+/-292.822 χ²/NDF: 20.5/25
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 158.935+/-285.767 χ²/NDF: 33.3/28
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 15.434+/-204.516 χ²/NDF: 54.3/54
In: -279.912+/-193.321 χ²/NDF:38.7/48
Out: 350.504+/-190.484 χ²/NDF:78.7/52
All: 39.955+/-135.684 χ²/NDF: 122.8/101



Right In: 1120.408+/-0.207 χ^2/NDF: 641441.4/25

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

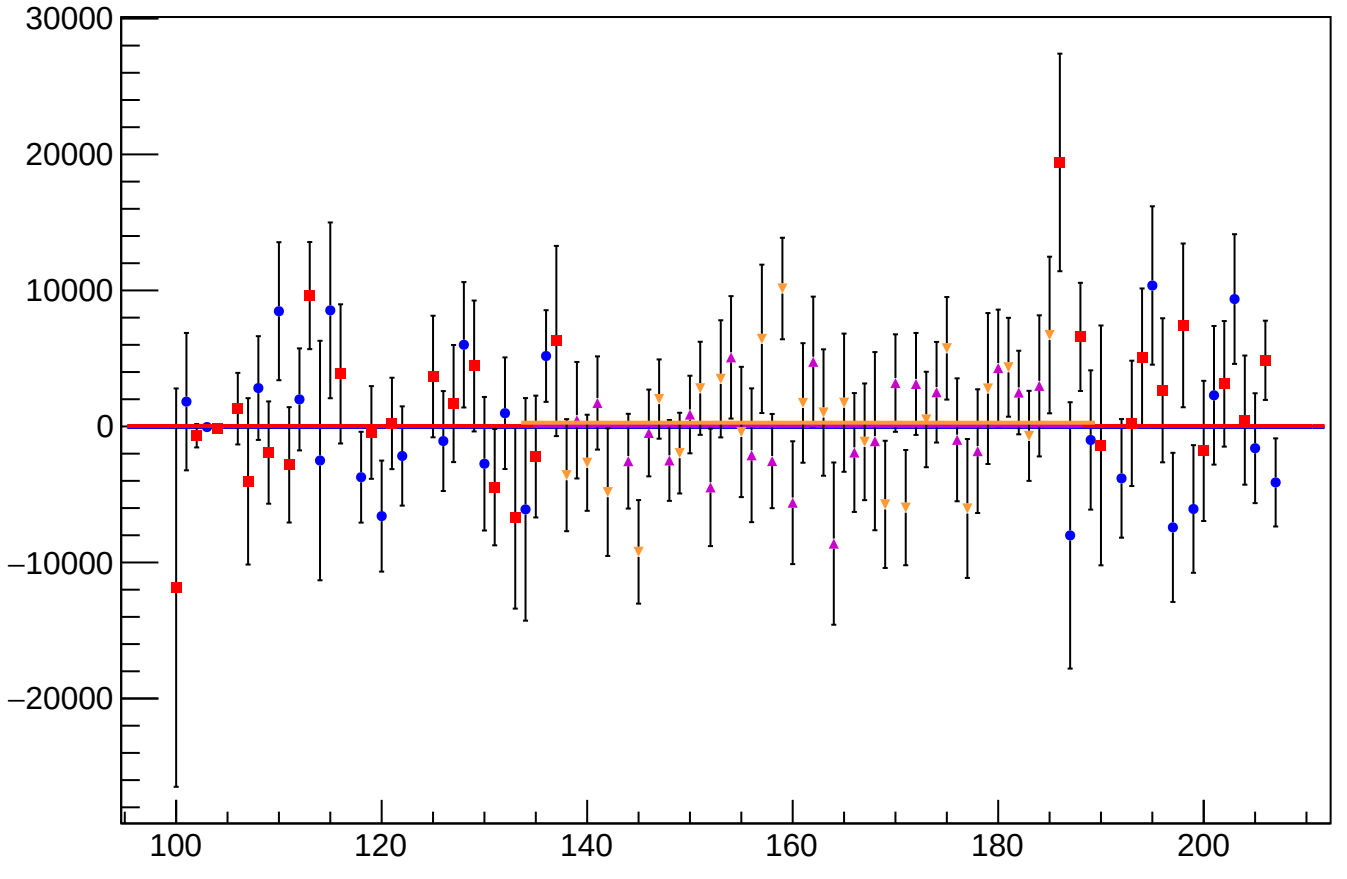
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1126.118+/-0.145 χ^2/NDF: 890909.7/54

In: 1109.758+/-0.137 χ^2/NDF:698277.0/48

Out: 1114.059+/-0.135 χ^2/NDF:320216.5/52

All: 1111.940+/-0.096 χ^2/NDF: 1018995.7/10



Right In: -39.067+/-335.705 χ^2/NDF: 28.8/25

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

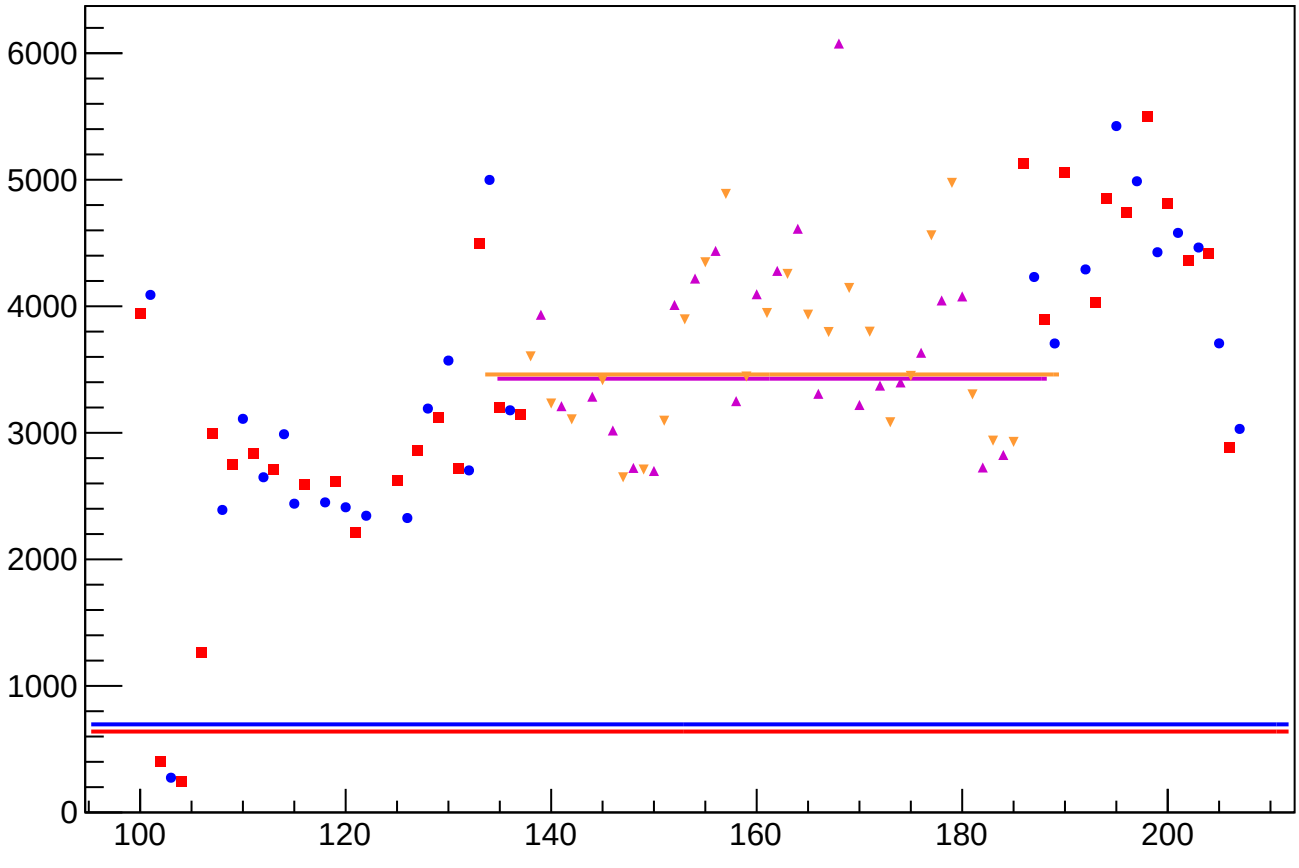
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -0.761+/-227.688 χ^2/NDF: 57.9/54

In: -19.747+/-310.526 χ^2/NDF:42.5/48

Out: 62.531+/-289.866 χ^2/NDF:59.0/52

All: 24.220+/-211.894 χ^2/NDF: 101.5/101



Right In: 696.137+/-0.237 χ^2/NDF: 21062773.2/25

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

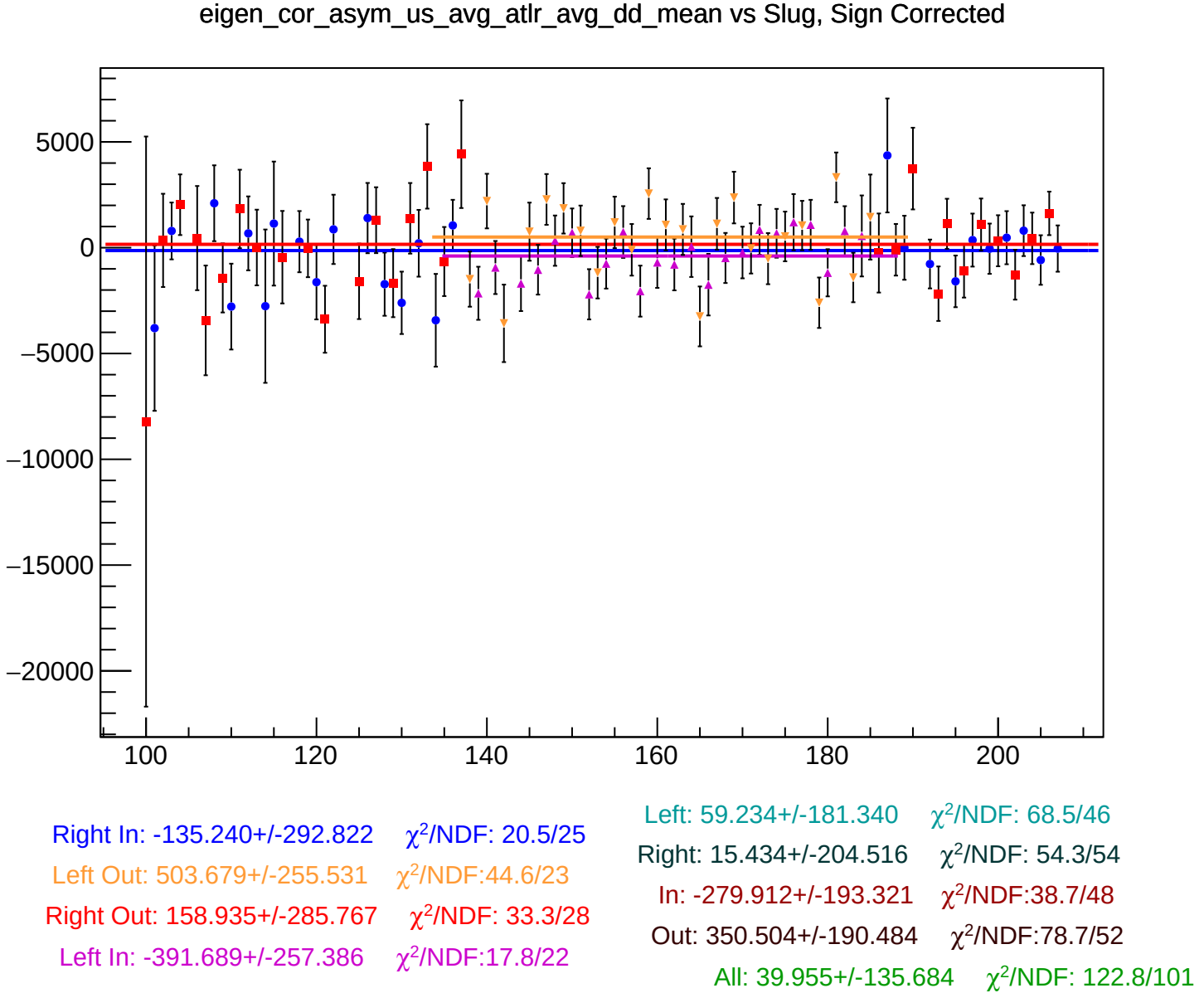
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

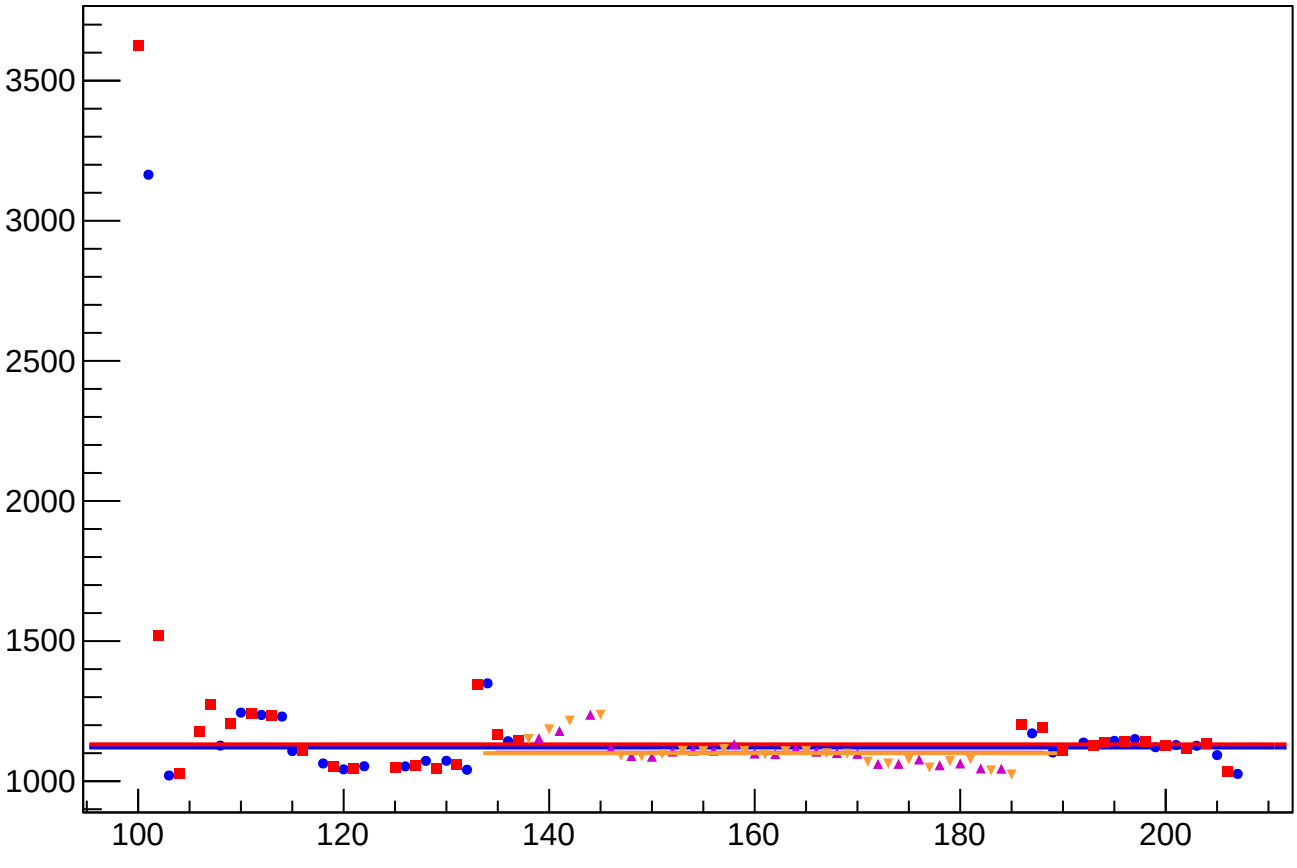
Right: 665.480+/-0.161 χ^2/NDF: 43290710.2/54

In: 1090.549+/-0.220 χ^2/NDF:41426531.3/48

Out: 991.555+/-0.205 χ^2/NDF:43959891.8/52

All: 1037.650+/-0.150 χ^2/NDF: 85495039.0/1


eigen_cor_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: -135.240+/-292.822 χ²/NDF: 20.5/25
Left Out: 503.679+/-255.531 χ²/NDF:44.6/23
Right Out: 158.935+/-285.767 χ²/NDF: 33.3/28
Left In: -391.689+/-257.386 χ²/NDF:17.8/22
Left: 59.234+/-181.340 χ²/NDF: 68.5/46
Right: 15.434+/-204.516 χ²/NDF: 54.3/54
In: -279.912+/-193.321 χ²/NDF:38.7/48
Out: 350.504+/-190.484 χ²/NDF:78.7/52
All: 39.955+/-135.684 χ²/NDF: 122.8/101



Right In: 1120.408+/-0.207 χ^2/NDF: 641441.4/25

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

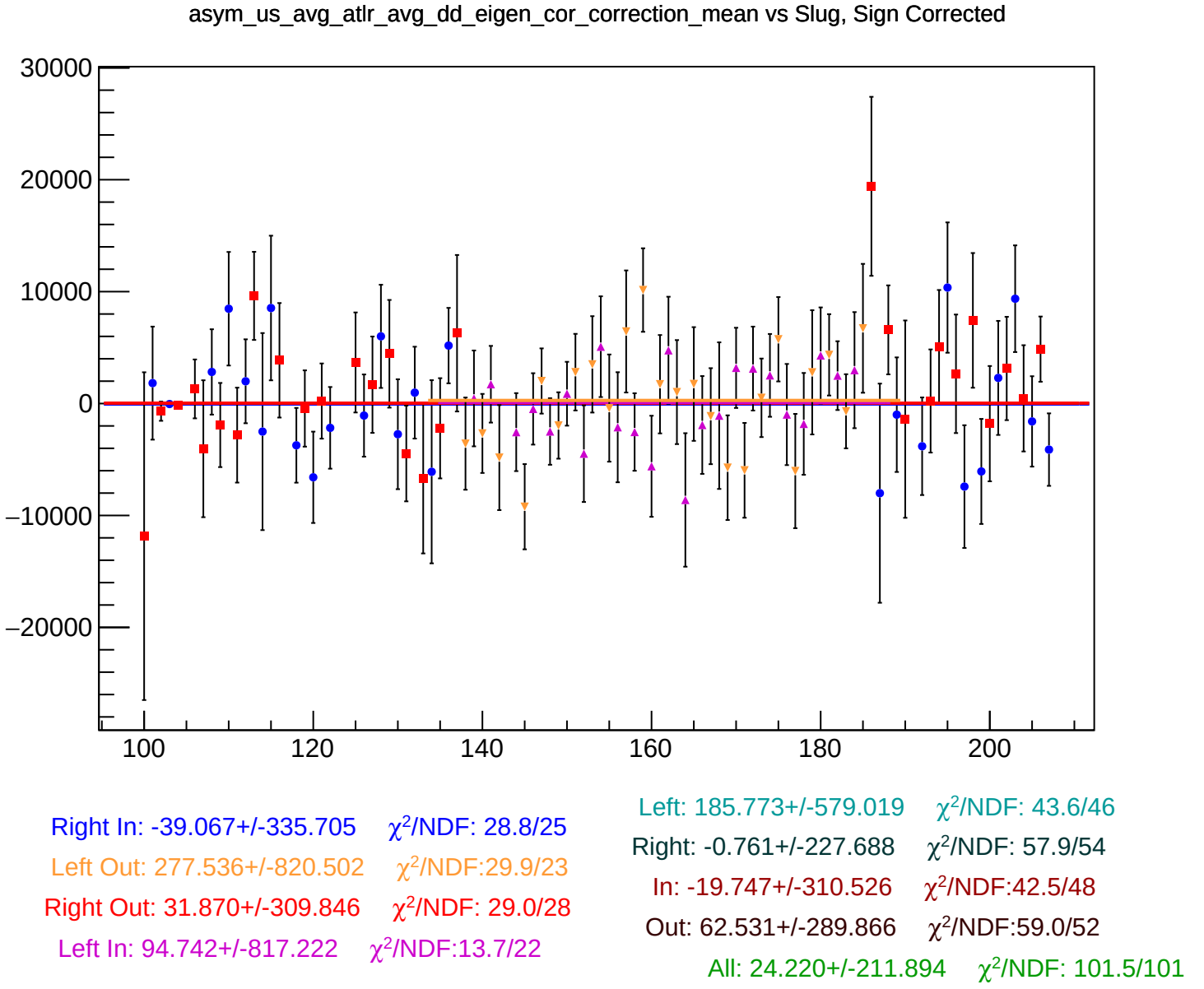
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

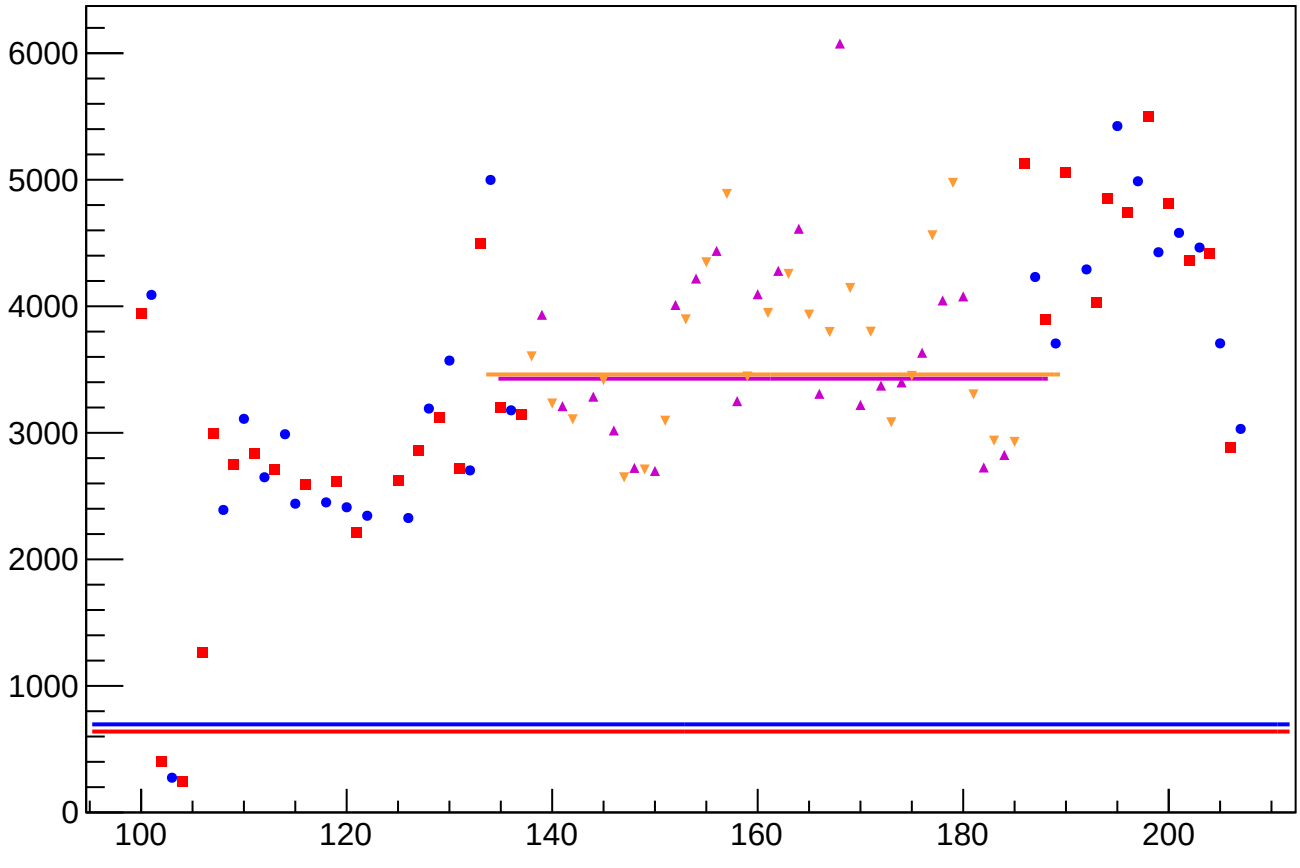
Right: 1126.118+/-0.145 χ^2/NDF: 890909.7/54

In: 1109.758+/-0.137 χ^2/NDF:698277.0/48

Out: 1114.059+/-0.135 χ^2/NDF:320216.5/52

All: 1111.940+/-0.096 χ^2/NDF: 1018995.7/10


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -39.067+/-335.705 χ²/NDF: 28.8/25
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: 31.870+/-309.846 χ²/NDF: 29.0/28
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -0.761+/-227.688 χ²/NDF: 57.9/54
In: -19.747+/-310.526 χ²/NDF:42.5/48
Out: 62.531+/-289.866 χ²/NDF:59.0/52
All: 24.220+/-211.894 χ²/NDF: 101.5/101



Right In: 696.137+/-0.237 χ^2/NDF: 21062773.2/25

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

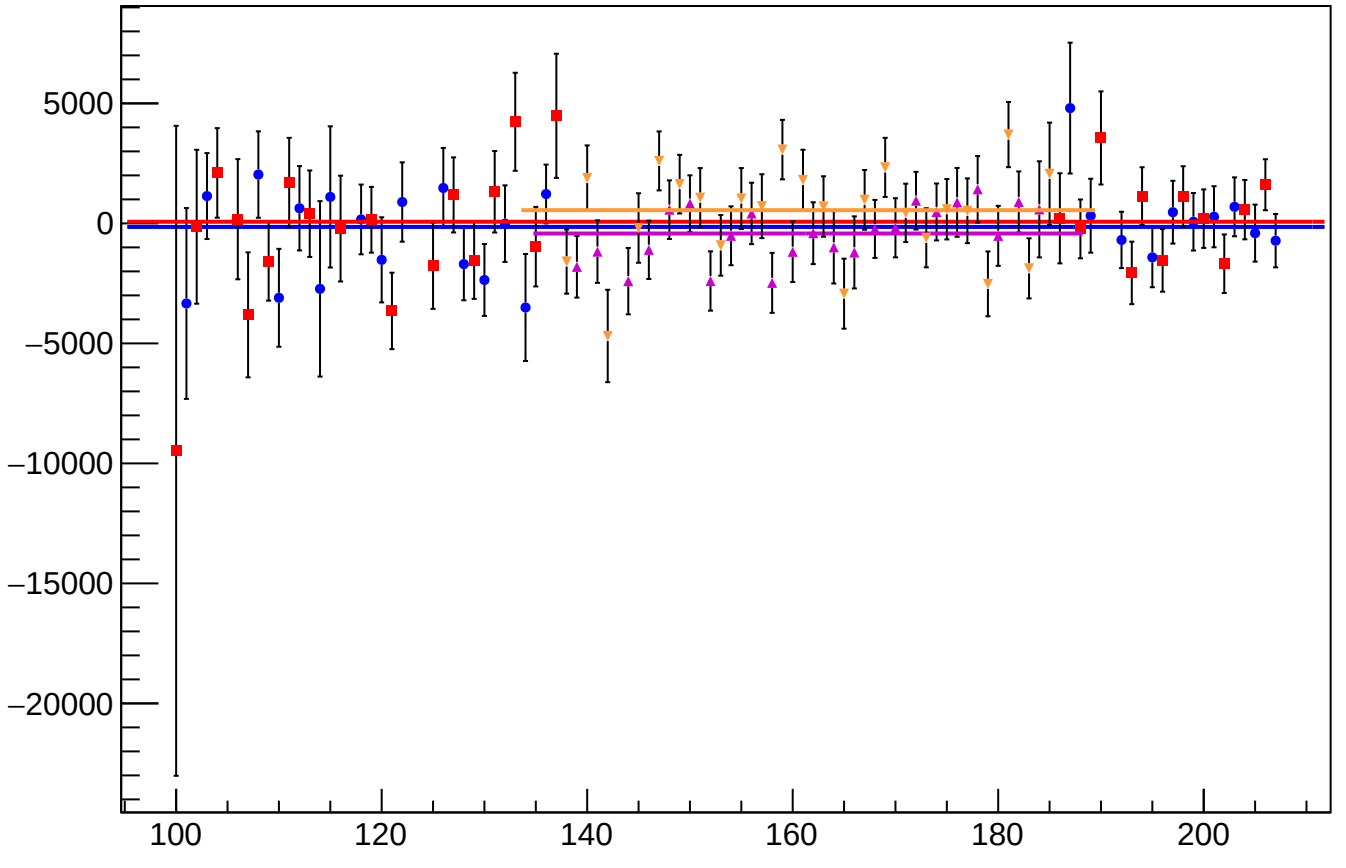
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 665.480+/-0.161 χ^2/NDF: 43290710.2/54

In: 1090.549+/-0.220 χ^2/NDF:41426531.3/48

Out: 991.555+/-0.205 χ^2/NDF:43959891.8/52

All: 1037.650+/-0.150 χ^2/NDF: 85495039.0/1



Right In: -147.594+/-300.036 χ^2/NDF: 20.1/25

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

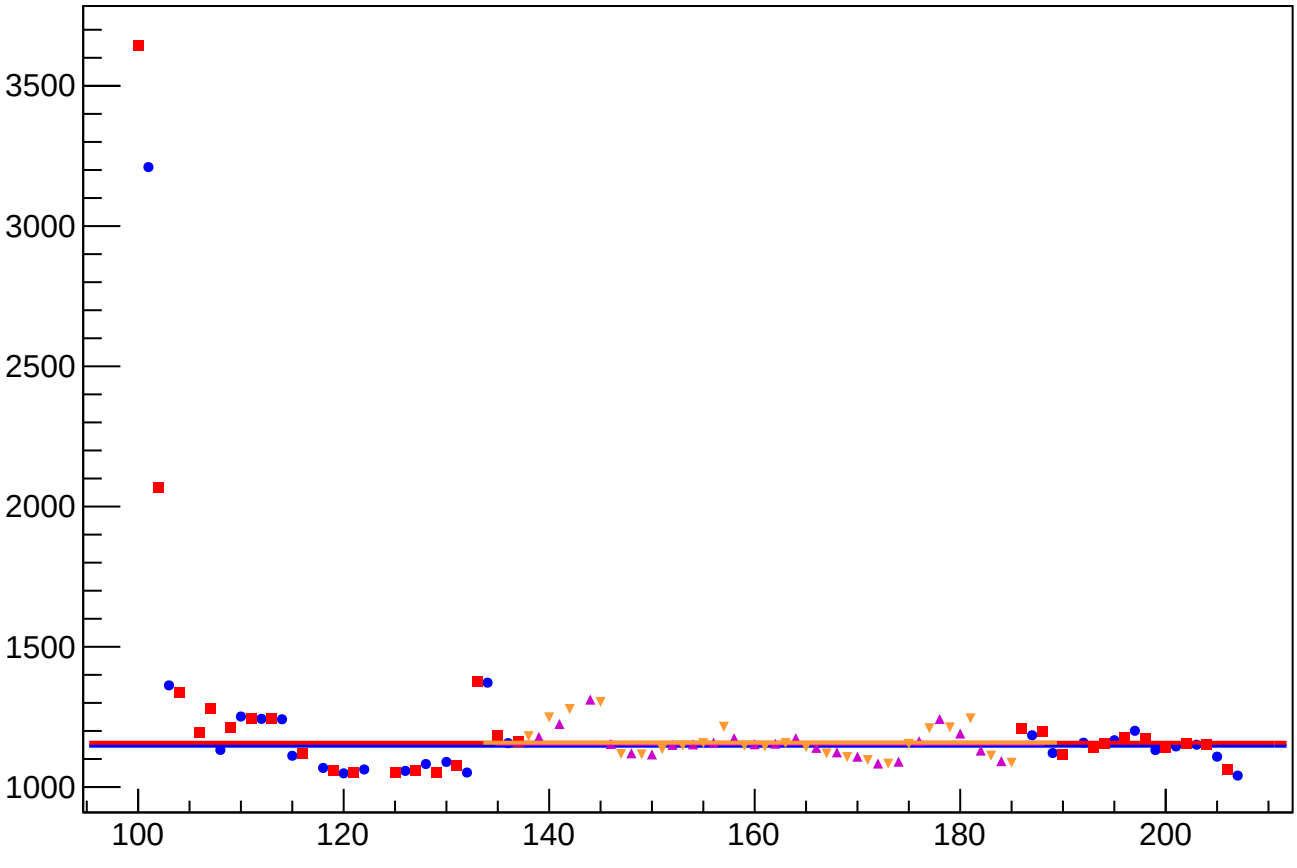
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -37.216+/-209.864 χ^2/NDF: 55.4/54

In: -298.768+/-200.624 χ^2/NDF:38.6/48

Out: 330.488+/-198.438 χ^2/NDF:81.7/52

All: 19.307+/-141.083 χ^2/NDF: 125.3/101



Right In: 1147.403+/-0.212 χ^2/NDF: 663614.7/25

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

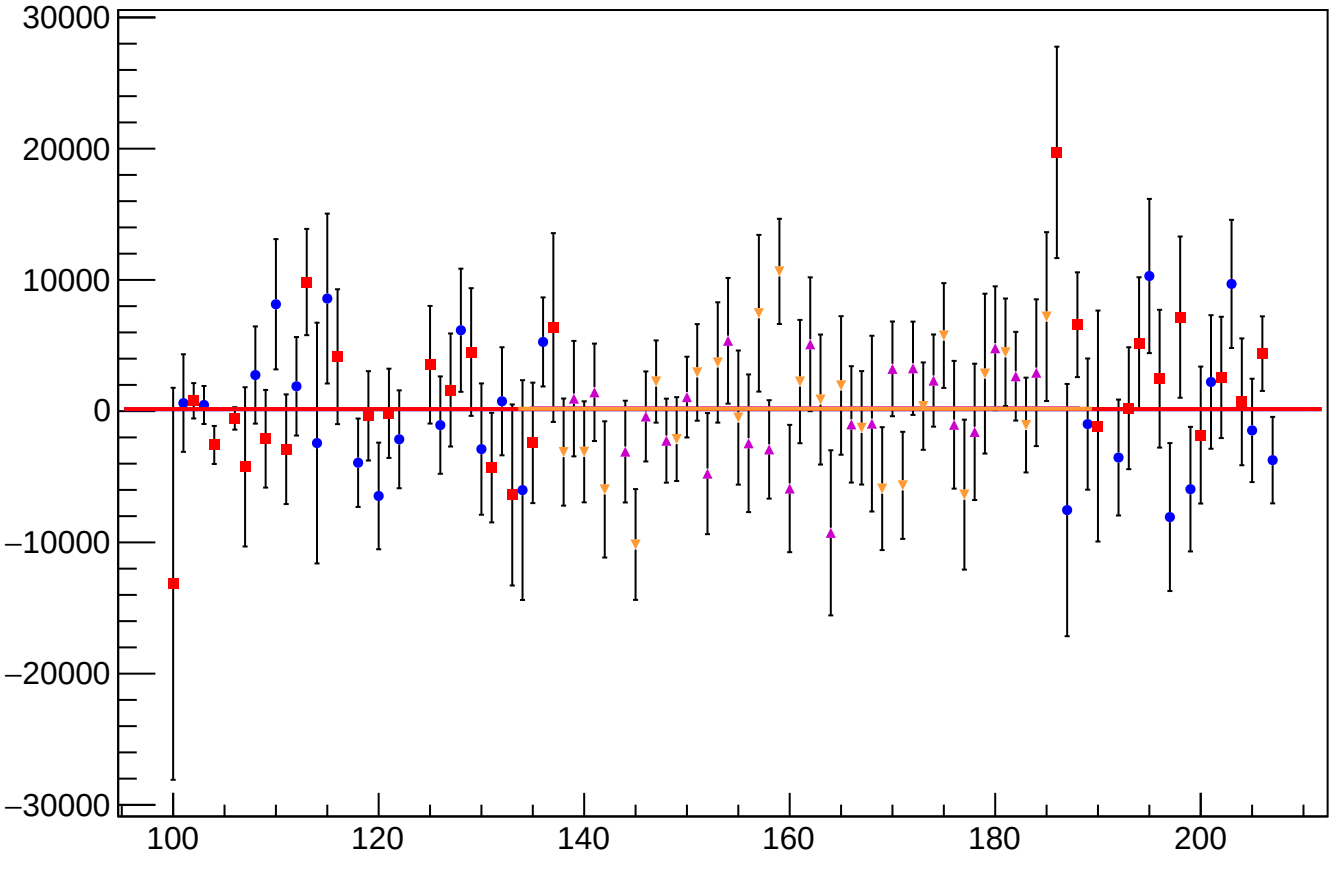
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1152.810+/-0.148 χ^2/NDF: 1020560.3/54

In: 1151.178+/-0.142 χ^2/NDF:730664.3/48

Out: 1158.091+/-0.140 χ^2/NDF:439786.0/52

All: 1154.672+/-0.100 χ^2/NDF: 1171650.8/10



Right In: 145.685+/-755.318 χ^2/NDF: 28.3/25

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

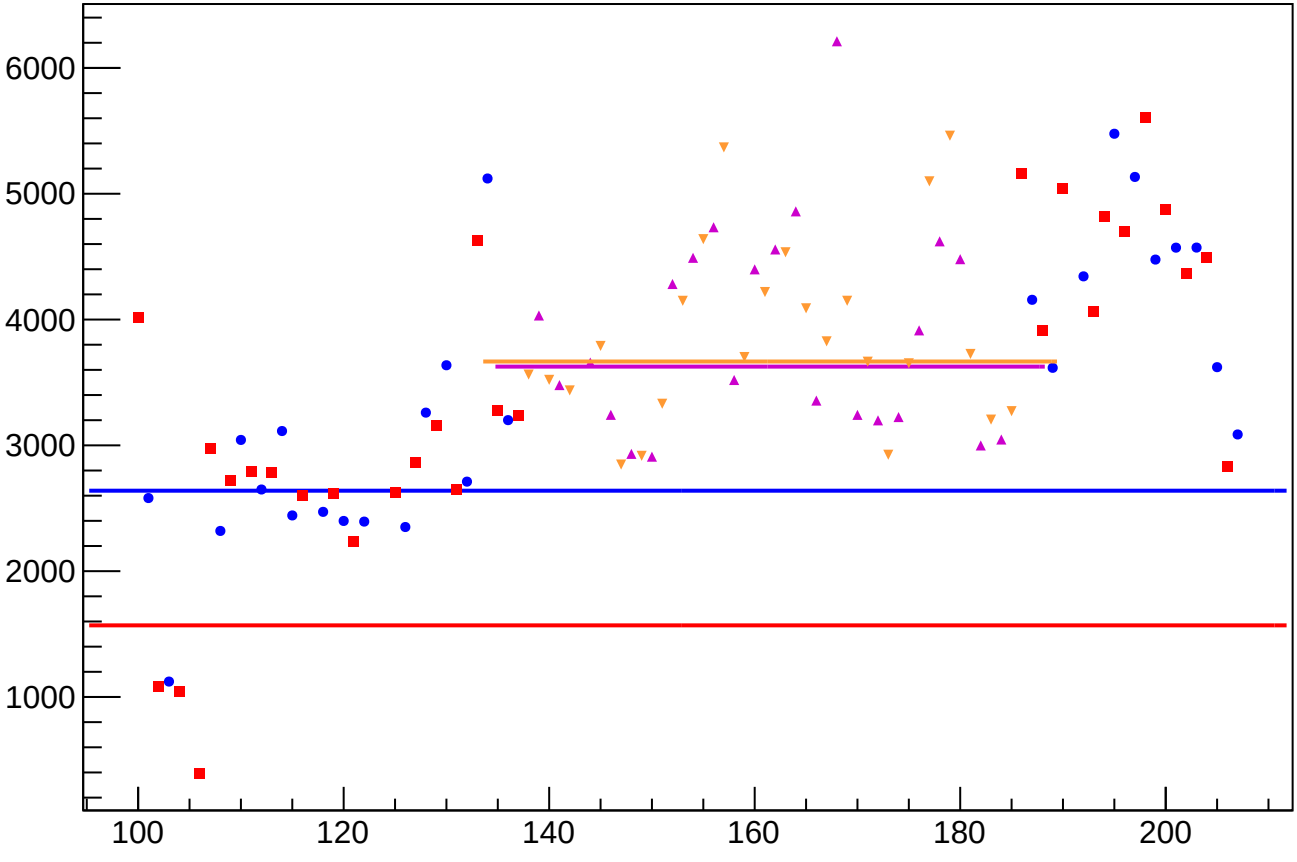
Right: 154.273+/-431.705 χ^2/NDF: 59.6/54

In: 178.433+/-568.878 χ^2/NDF:41.7/48

Out: 166.827+/-450.114 χ^2/NDF:60.5/52

All: 171.296+/-352.985 χ^2/NDF: 102.2/101

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2639.640+/-0.534 χ^2/NDF: 4954957.4/25

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1569.259+/-0.372 χ^2/NDF: 13851257.2/28

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

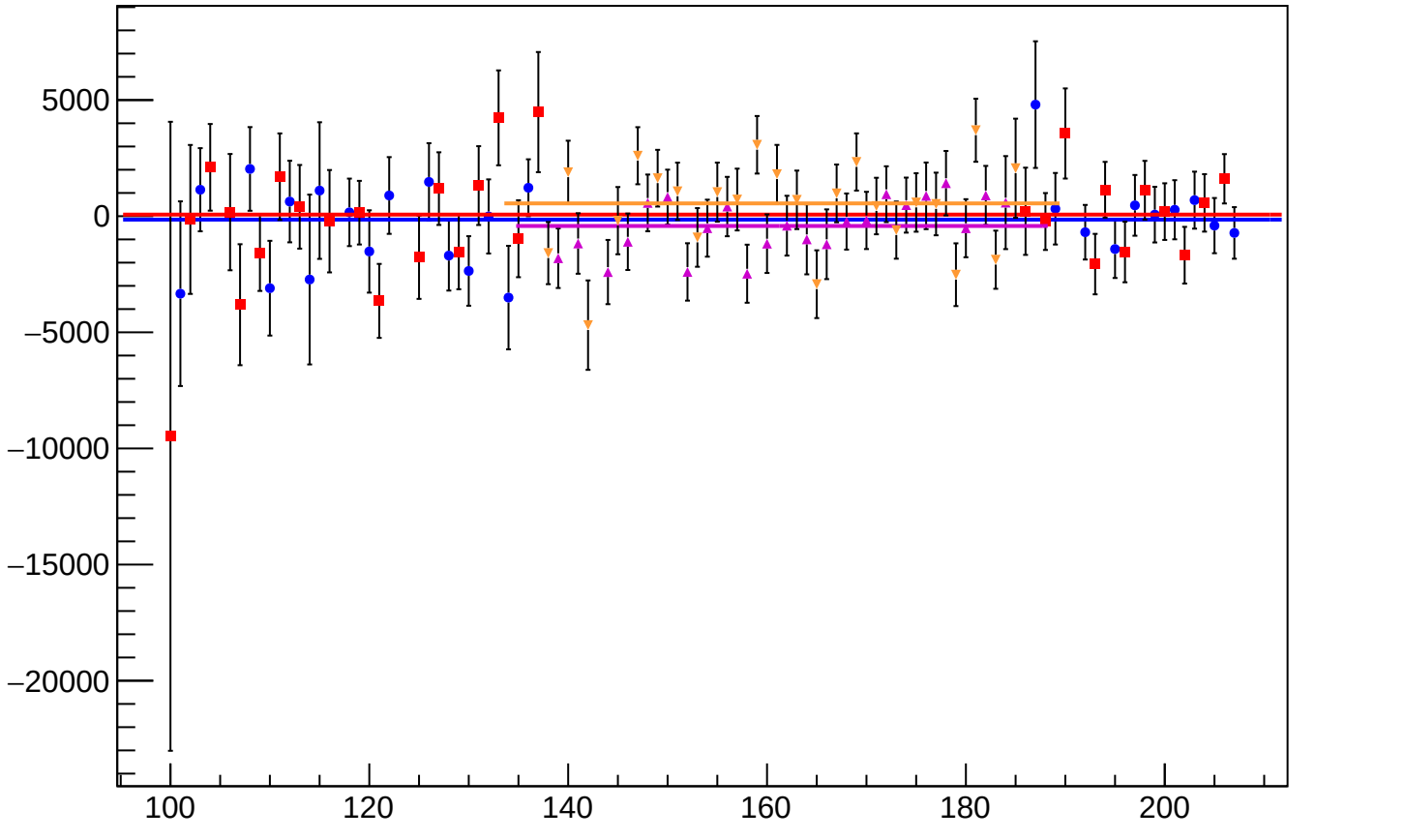
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

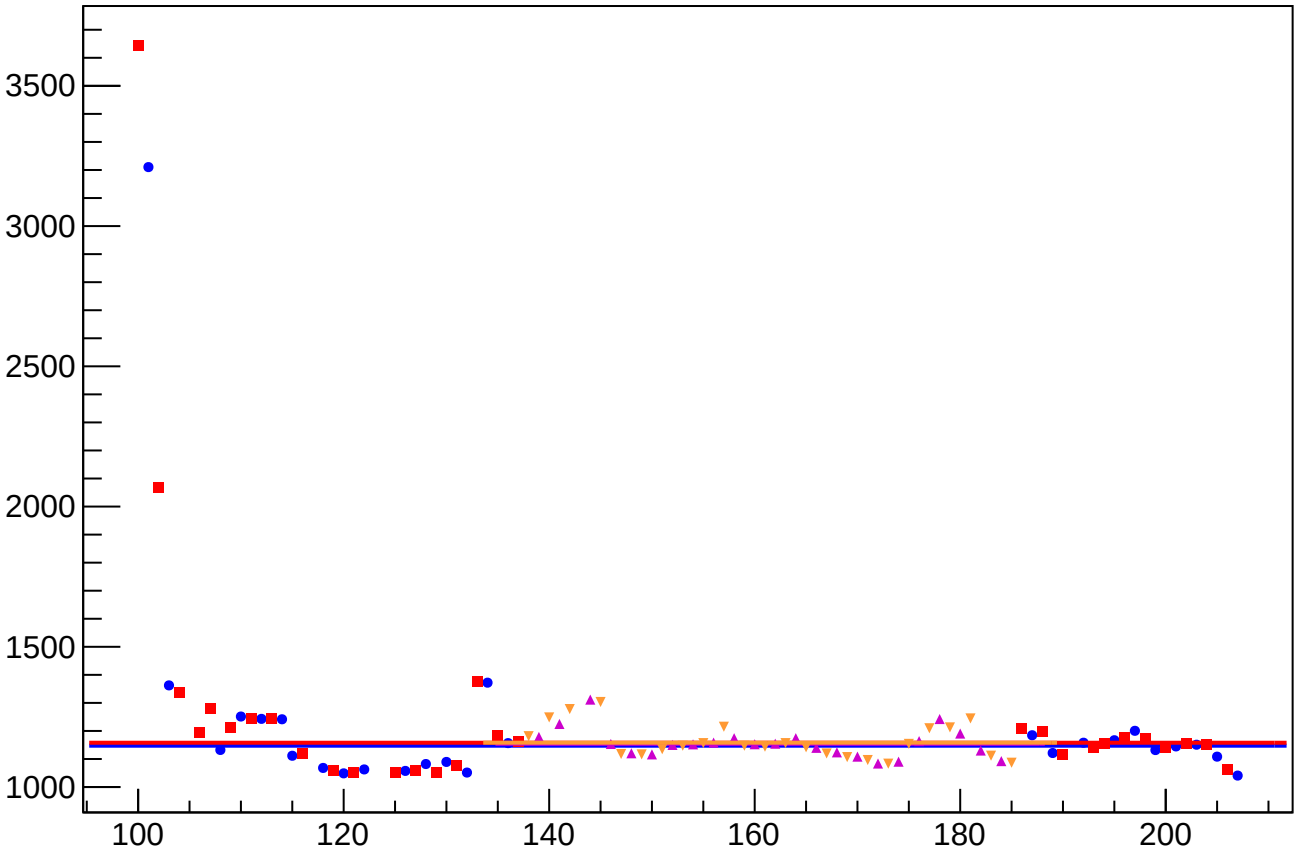
Right: 1918.924+/-0.305 χ^2/NDF: 21510626.1/54

In: 3066.456+/-0.402 χ^2/NDF:7688660.2/48

Out: 2131.379+/-0.318 χ^2/NDF:23465663.2/52

All: 2491.394+/-0.250 χ^2/NDF: 34477505.6/


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: -147.593+/-300.036 χ²/NDF: 20.1/25
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: -37.215+/-209.864 χ²/NDF: 55.4/54
In: -298.767+/-200.624 χ²/NDF:38.6/48
Out: 330.489+/-198.438 χ²/NDF:81.7/52
All: 19.308+/-141.083 χ²/NDF: 125.3/101



Right In: 1147.403+/-0.212 χ^2/NDF: 663615.1/25

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

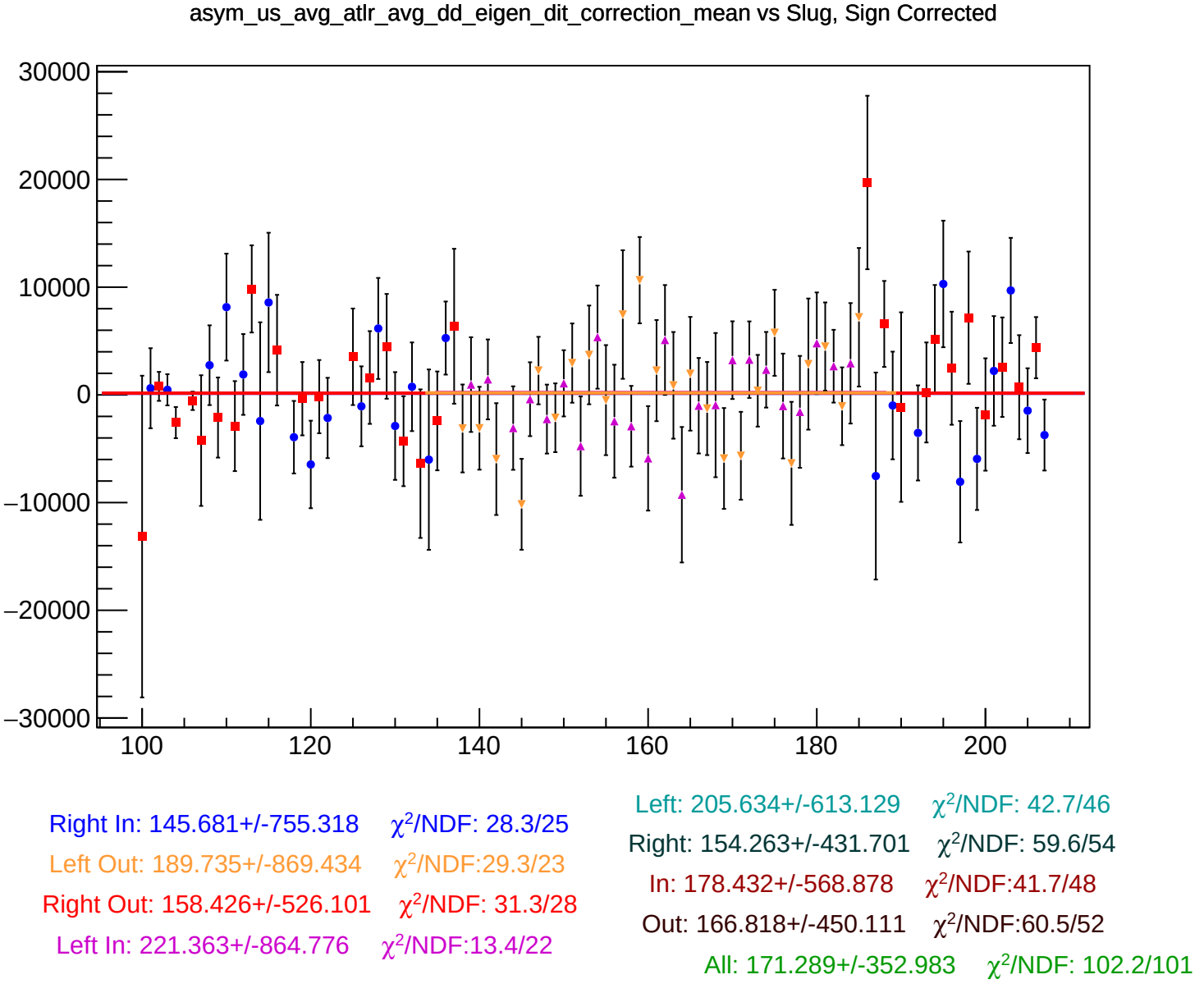
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1152.810+/-0.148 χ^2/NDF: 1020560.5/54

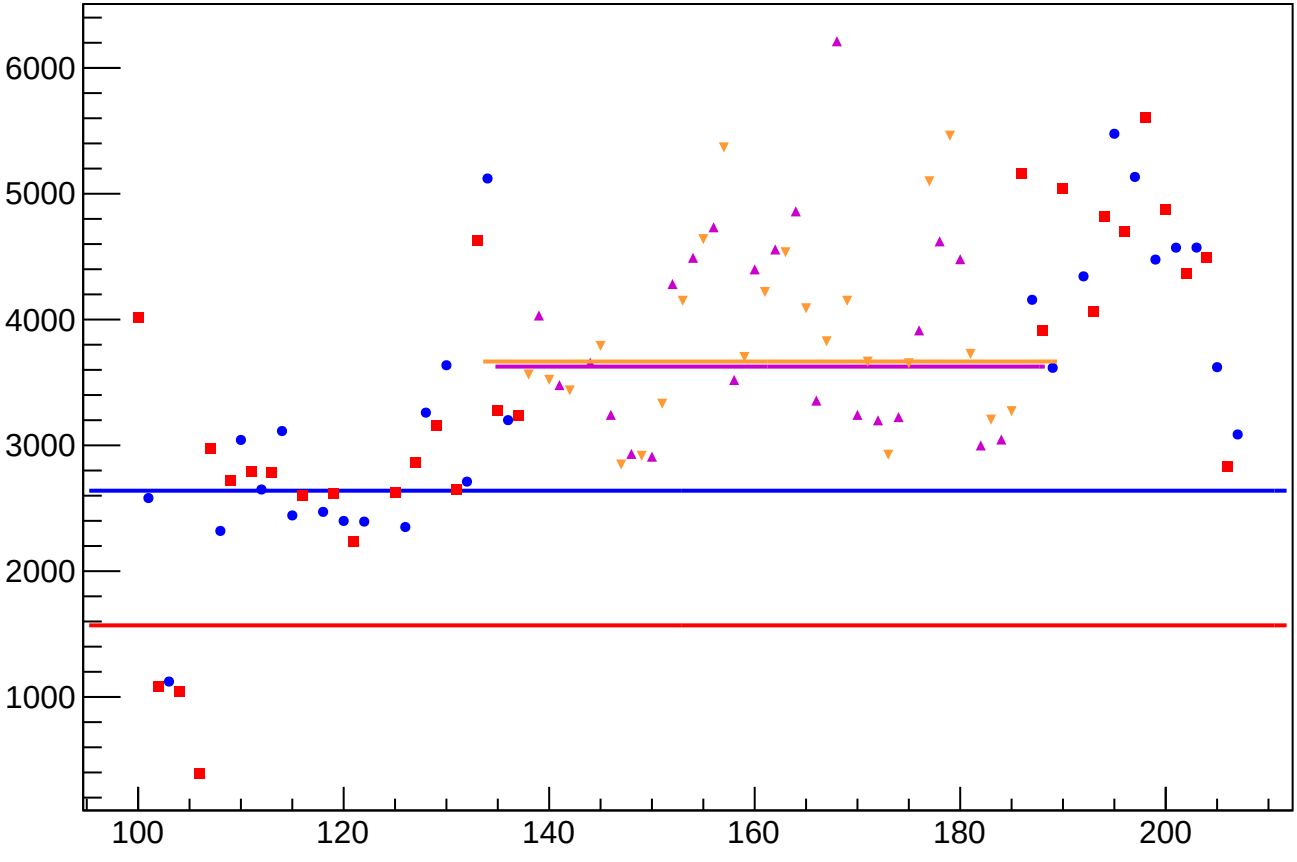
In: 1151.178+/-0.142 χ^2/NDF:730667.4/48

Out: 1158.091+/-0.140 χ^2/NDF:439788.3/52

All: 1154.673+/-0.100 χ^2/NDF: 1171656.2/10


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: 145.681+/-755.318 χ²/NDF: 28.3/25
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: 154.263+/-431.701 χ²/NDF: 59.6/54
In: 178.432+/-568.878 χ²/NDF:41.7/48
Out: 166.818+/-450.111 χ²/NDF:60.5/52
All: 171.289+/-352.983 χ²/NDF: 102.2/101

asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2639.637+/-0.534 χ^2/NDF: 4954975.4/25

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

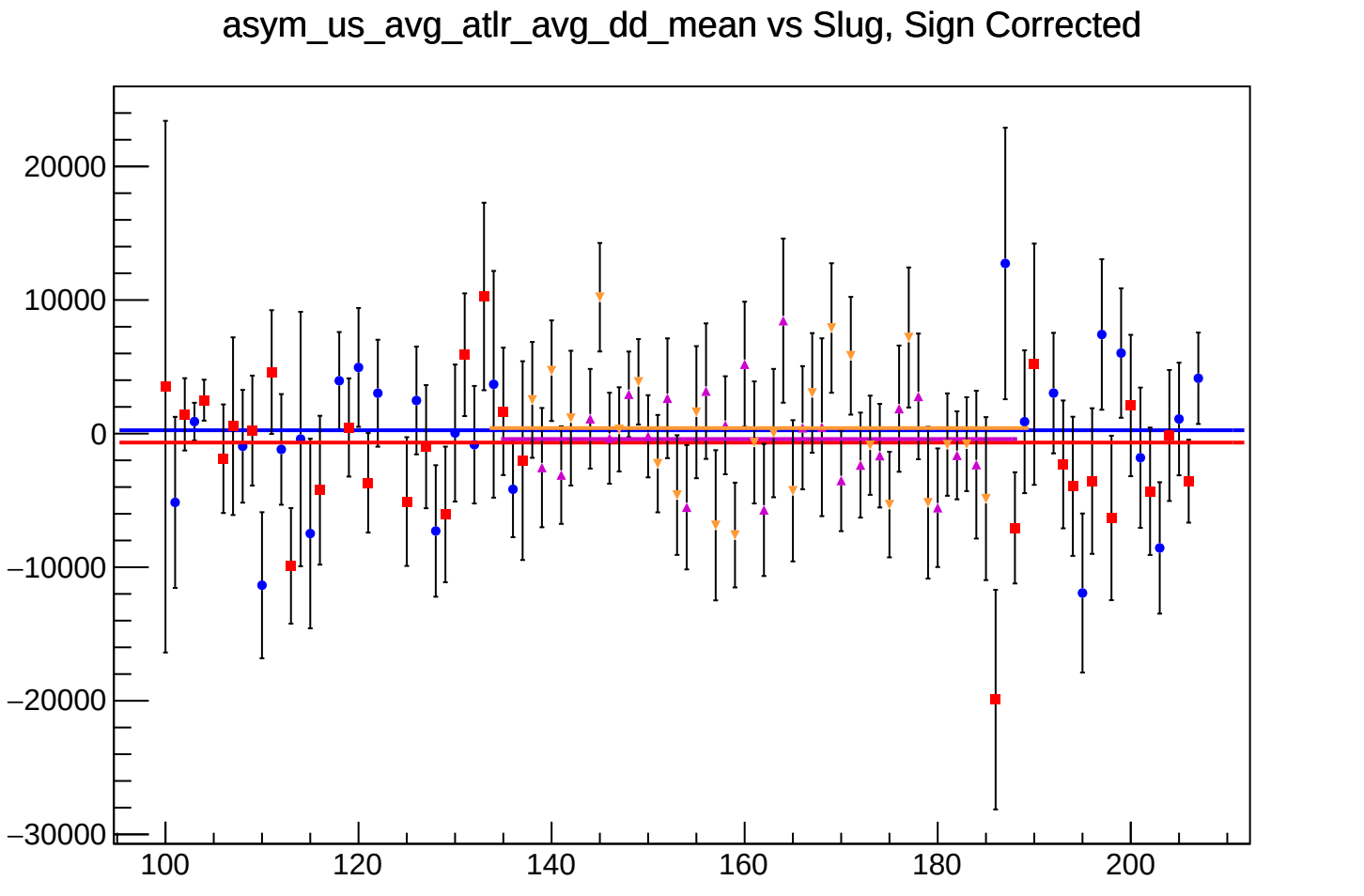
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

Right: 1918.899+/-0.305 χ^2/NDF: 21511070.0/54

In: 3066.456+/-0.402 χ^2/NDF:7688704.8/48

Out: 2131.350+/-0.318 χ^2/NDF:23466244.5/52

All: 2491.373+/-0.250 χ^2/NDF: 34478350.9/1



Right In: 251.539+/-791.776 χ^2/NDF: 27.7/25

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

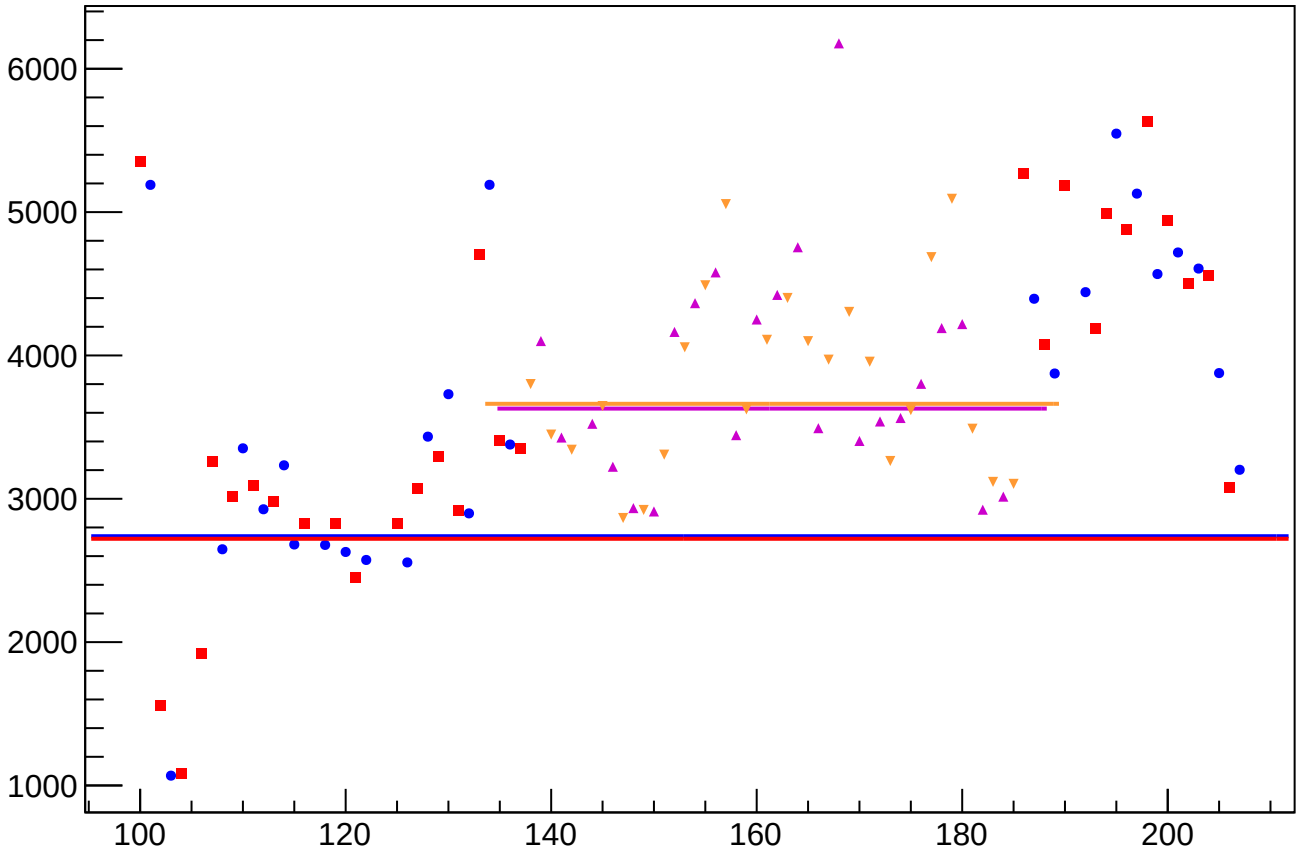
Left: 3.607+/-610.856 χ^2/NDF: 39.9/46

Right: -222.838+/-551.383 χ^2/NDF: 58.8/54

In: -48.071+/-583.254 χ^2/NDF:40.3/48

Out: -192.103+/-574.525 χ^2/NDF:58.5/52

All: -121.173+/-409.302 χ^2/NDF: 98.8/101



Right In: 2738.918+/-0.560 χ^2/NDF: 5772500.6/25

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

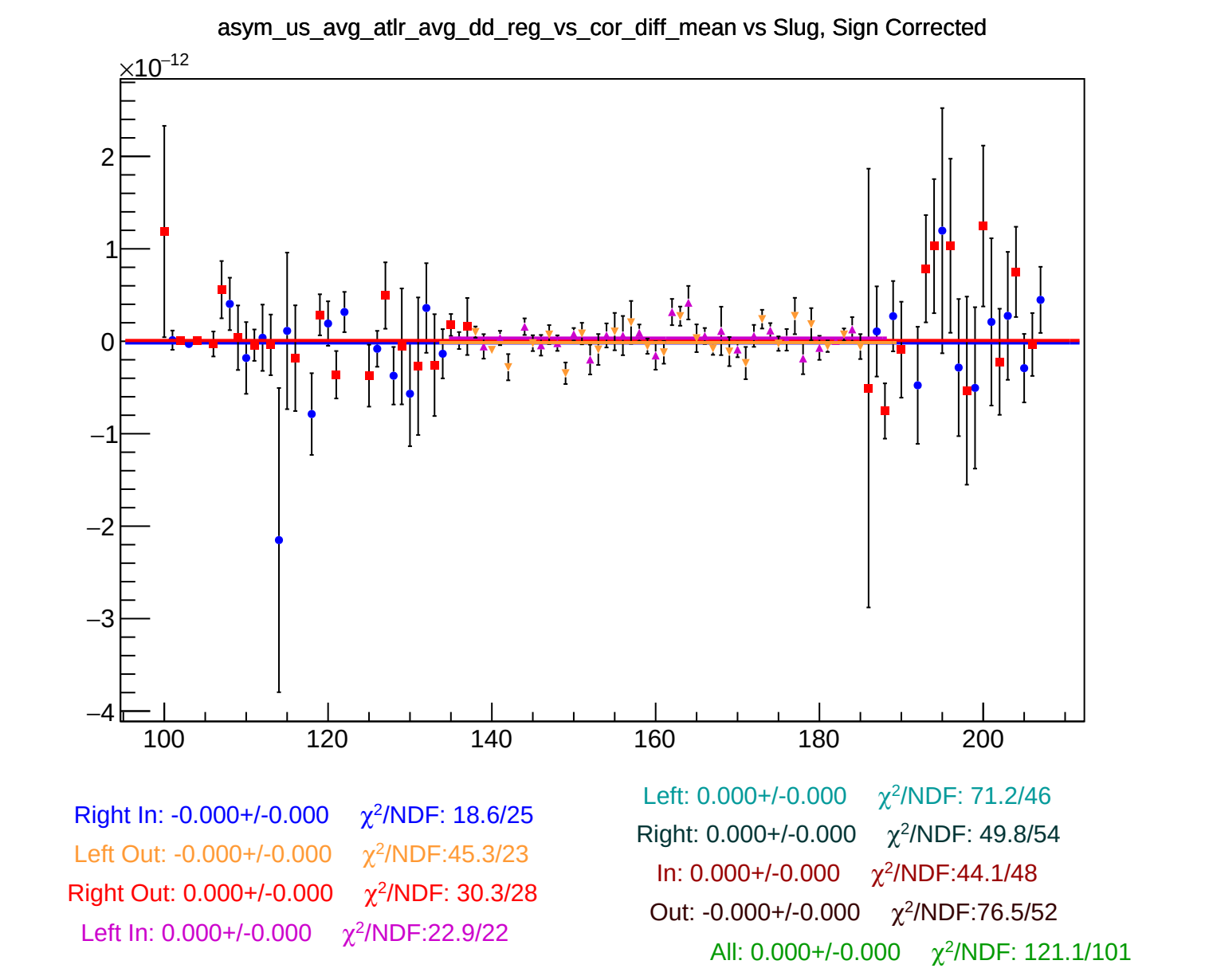
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2729.681+/-0.390 χ^2/NDF: 11681937.2/54

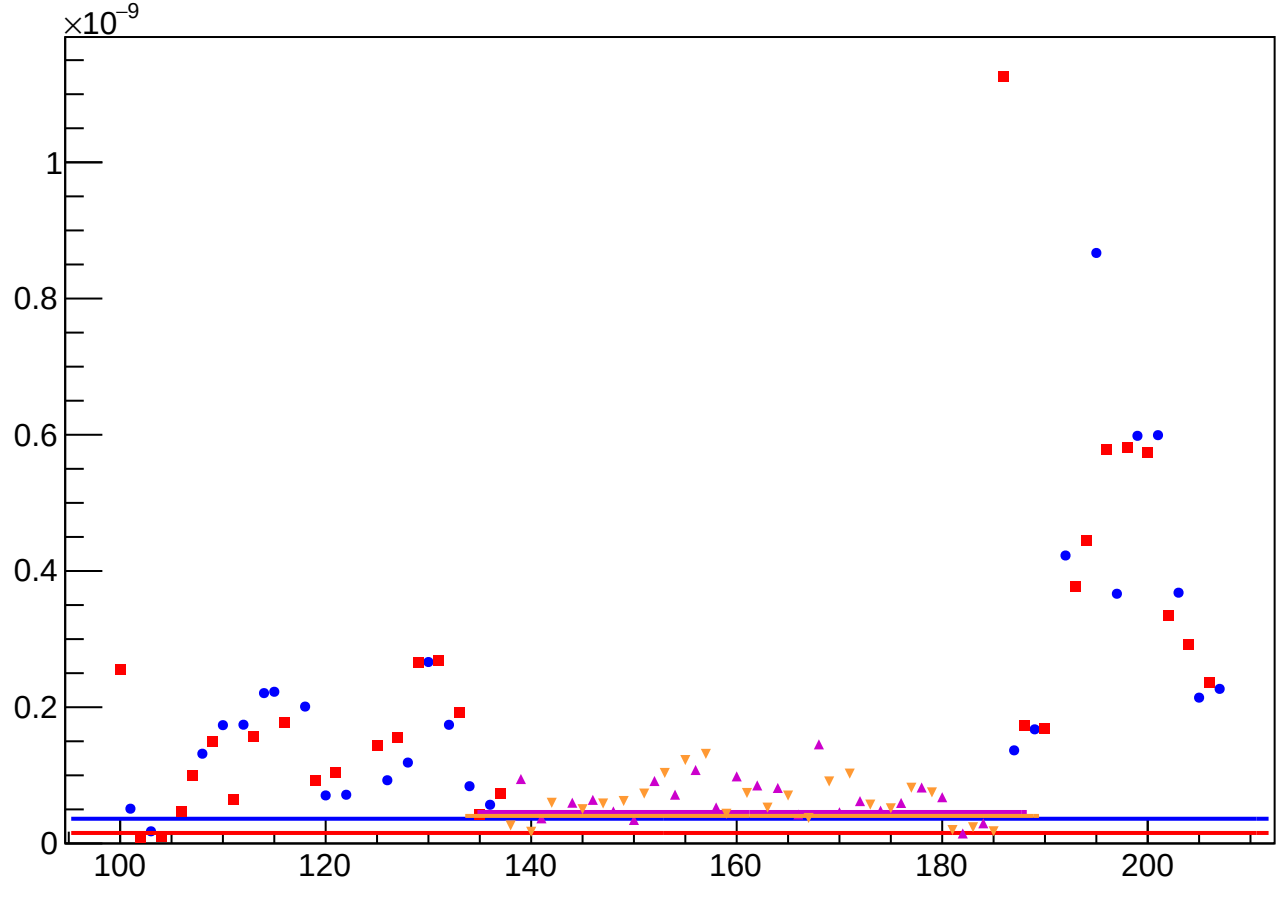
In: 3146.090+/-0.412 χ^2/NDF:7983897.5/48

Out: 3135.288+/-0.406 χ^2/NDF:8128770.5/52

All: 3140.602+/-0.289 χ^2/NDF: 16113016.6/1


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: 18.6/25
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: 49.8/54
In: 0.000+/-0.000 χ²/NDF:44.1/48
Out: -0.000+/-0.000 χ²/NDF:76.5/52
All: 0.000+/-0.000 χ²/NDF: 121.1/101

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8431017.1/25

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

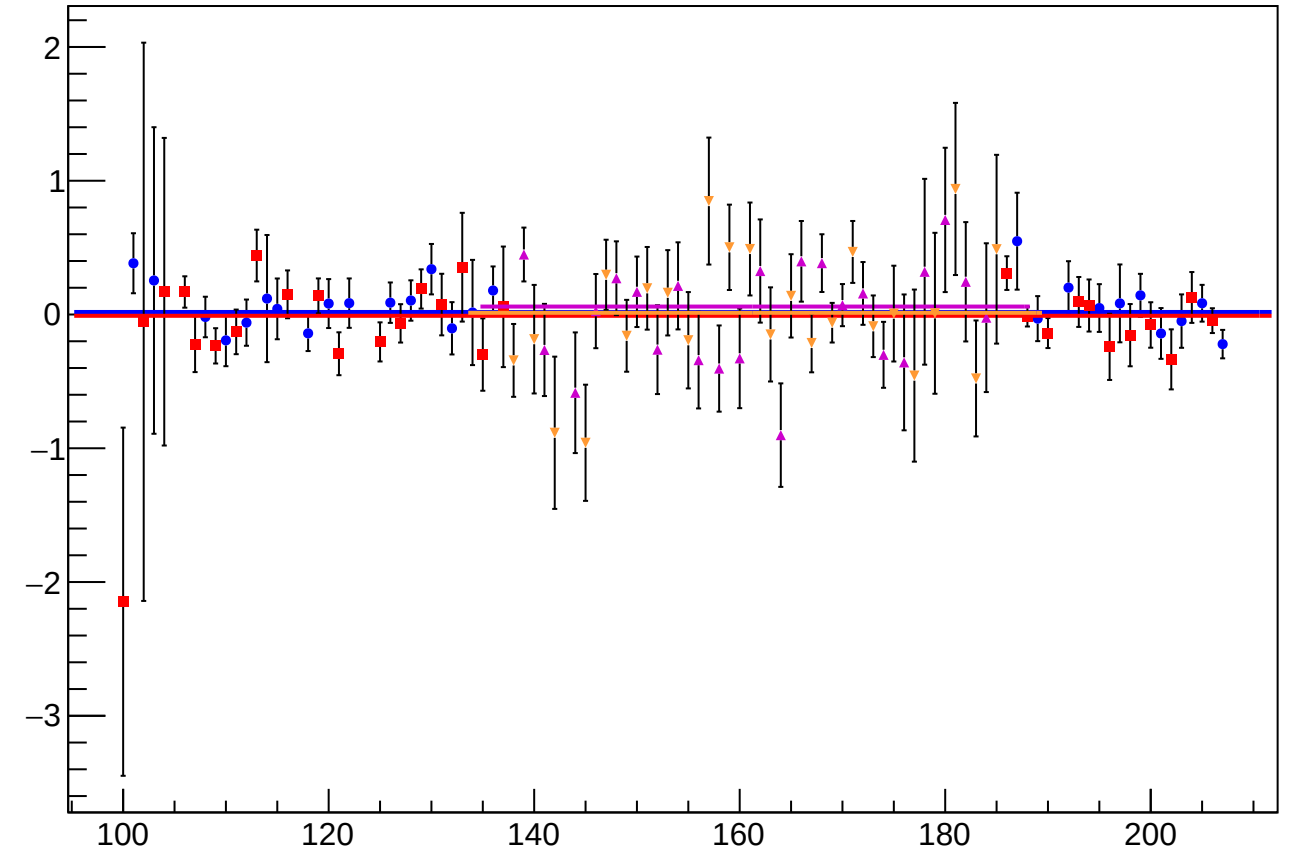
Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

Right: 0.000+/-0.000 χ^2/NDF: 20070726.3/54

In: 0.000+/-0.000 χ^2/NDF:11574457.3/48

Out: 0.000+/-0.000 χ^2/NDF:16264919.5/52

All: 0.000+/-0.000 χ^2/NDF: 29387480.5/101



Right In: 0.019+/-0.036 χ^2/NDF: 20.4/25

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

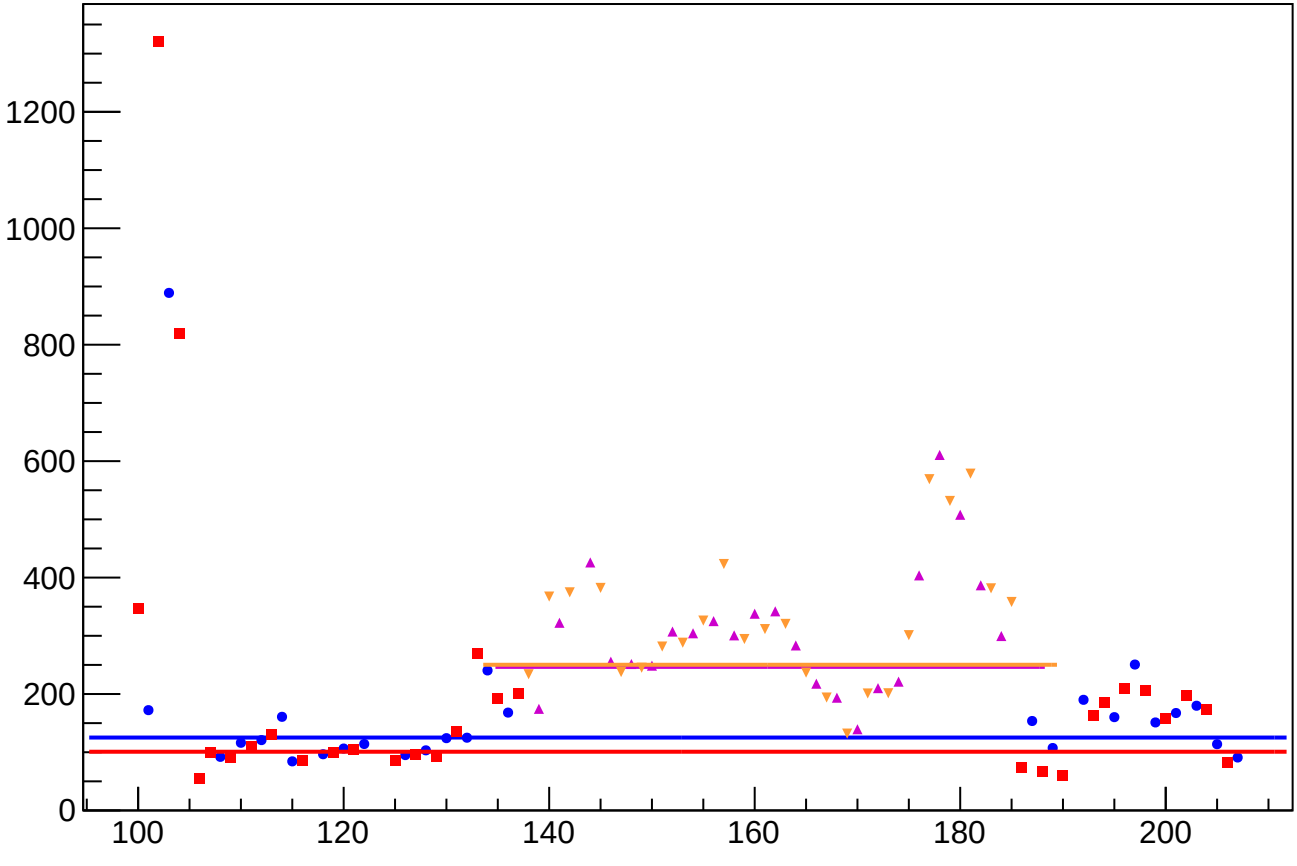
Right: 0.002+/-0.023 χ^2/NDF: 59.3/54

In: 0.029+/-0.031 χ^2/NDF:48.7/48

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.009+/-0.020 χ^2/NDF: 117.3/101

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.236+/-0.025 χ^2/NDF: 2903748.7/25

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

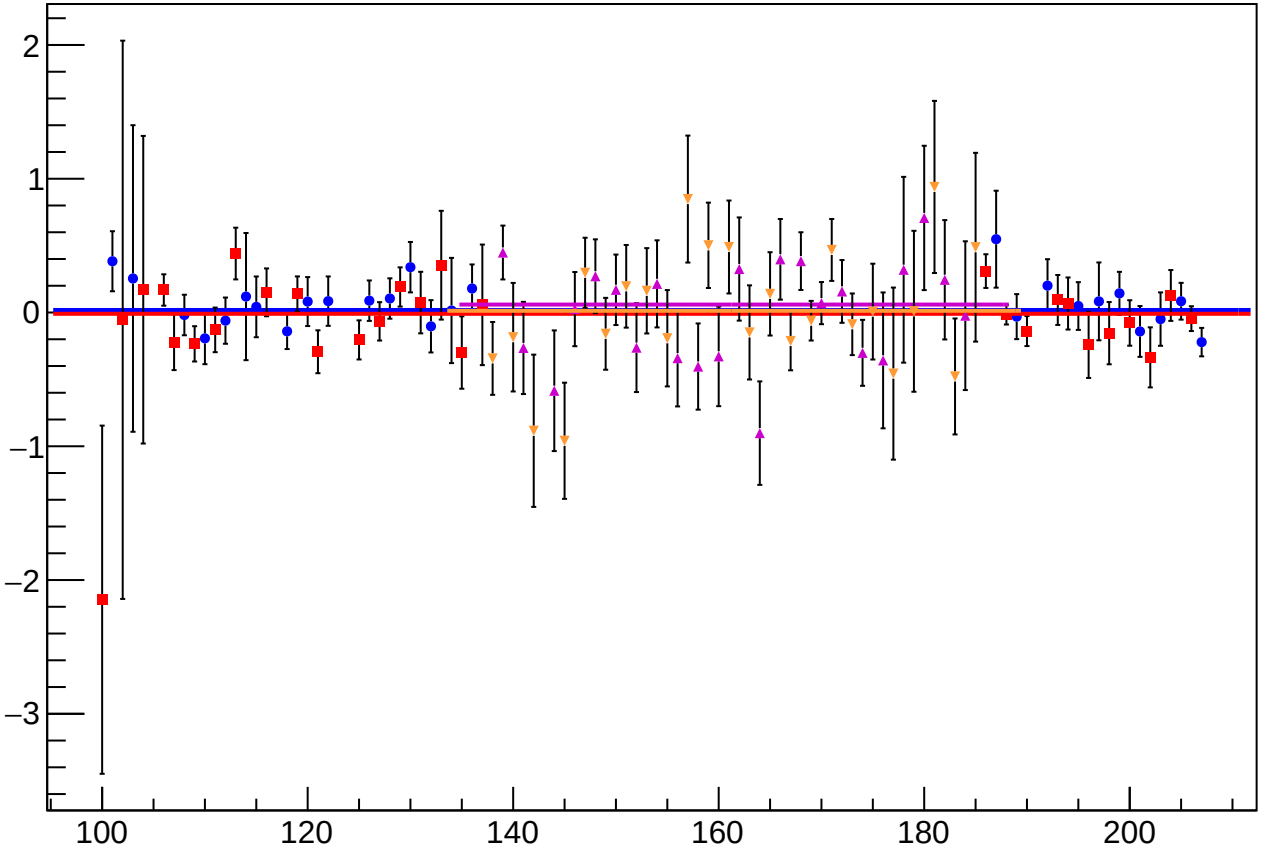
Right: 110.792+/-0.016 χ^2/NDF: 9265679.9/54

In: 155.343+/-0.022 χ^2/NDF:12440610.1/48

Out: 127.753+/-0.019 χ^2/NDF:19378111.9/52

All: 139.570+/-0.014 χ^2/NDF: 32731328.6/10

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.036 χ^2/NDF: 20.4/25

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

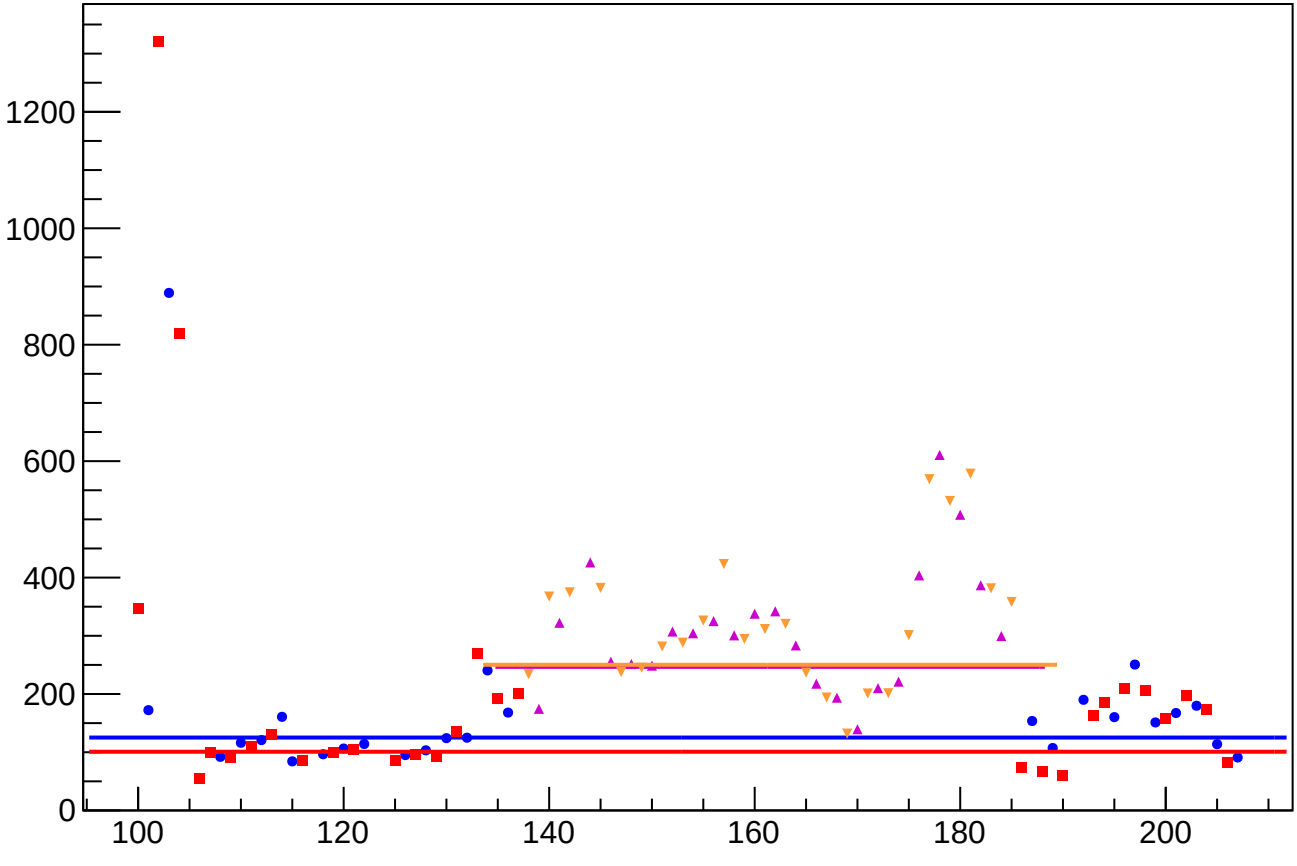
Right: 0.002+/-0.023 χ^2/NDF: 59.3/54

In: 0.029+/-0.031 χ^2/NDF:48.7/48

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.009+/-0.020 χ^2/NDF: 117.3/101

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.236+/-0.025 χ^2/NDF: 2903748.7/25

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

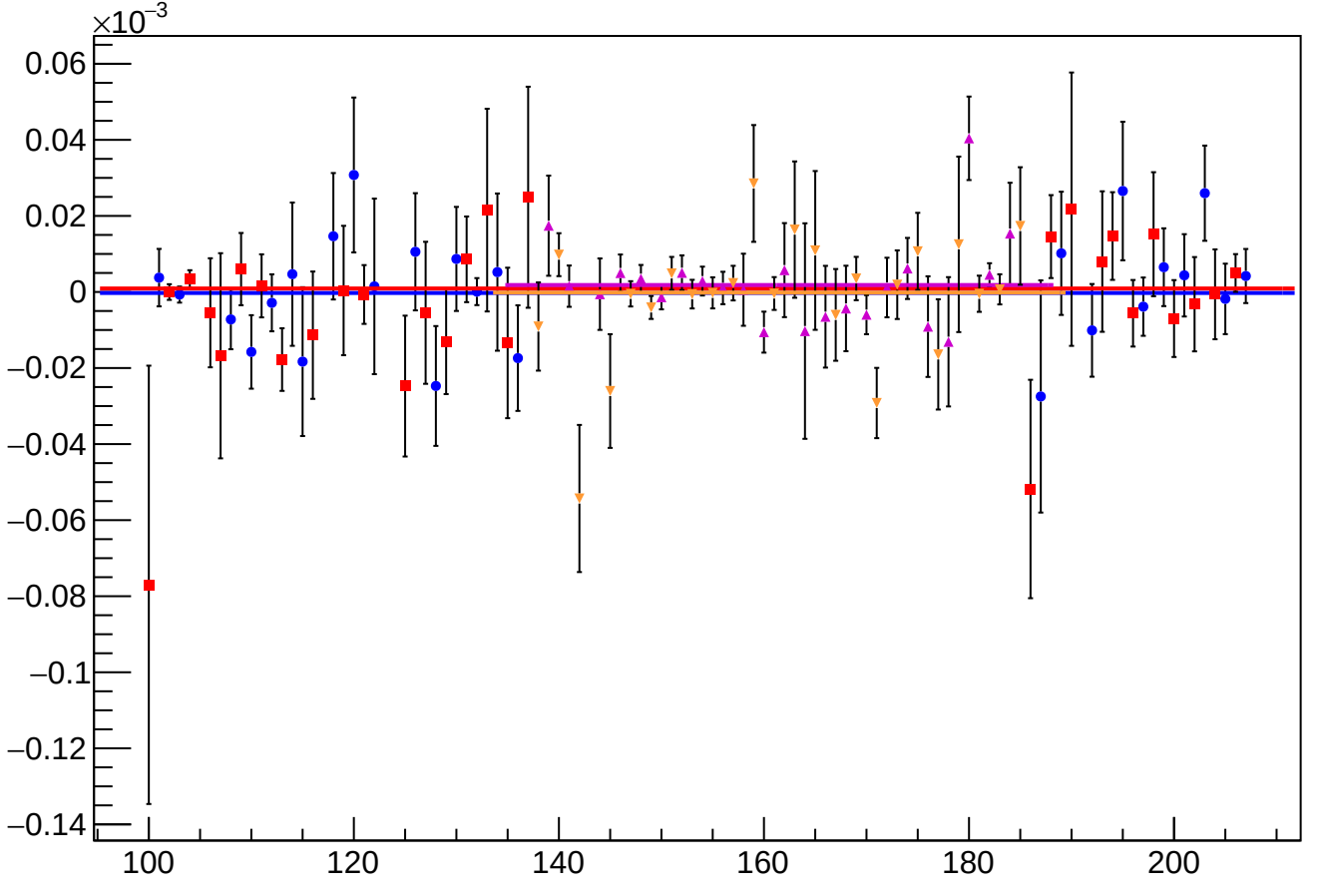
Right: 110.792+/-0.016 χ^2/NDF: 9265679.9/54

In: 155.343+/-0.022 χ^2/NDF:12440610.1/48

Out: 127.753+/-0.019 χ^2/NDF:19378111.9/52

All: 139.570+/-0.014 χ^2/NDF: 32731328.6/10

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: 22.5/25

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

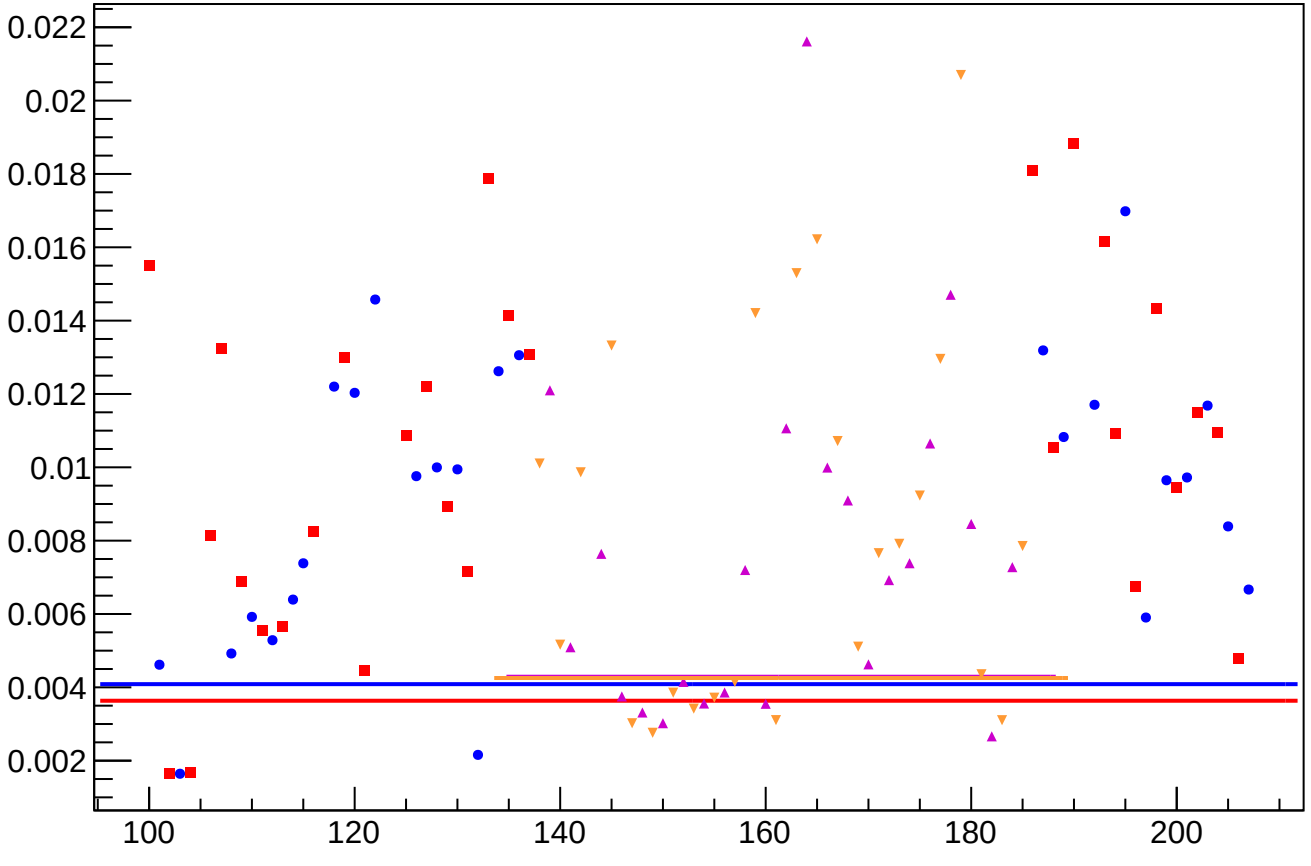
Right: 0.000+/-0.000 χ^2/NDF: 47.6/54

In: 0.000+/-0.000 χ^2/NDF:51.9/48

Out: 0.000+/-0.000 χ^2/NDF:62.3/52

All: 0.000+/-0.000 χ^2/NDF: 114.5/101

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: 11778668.7/25

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

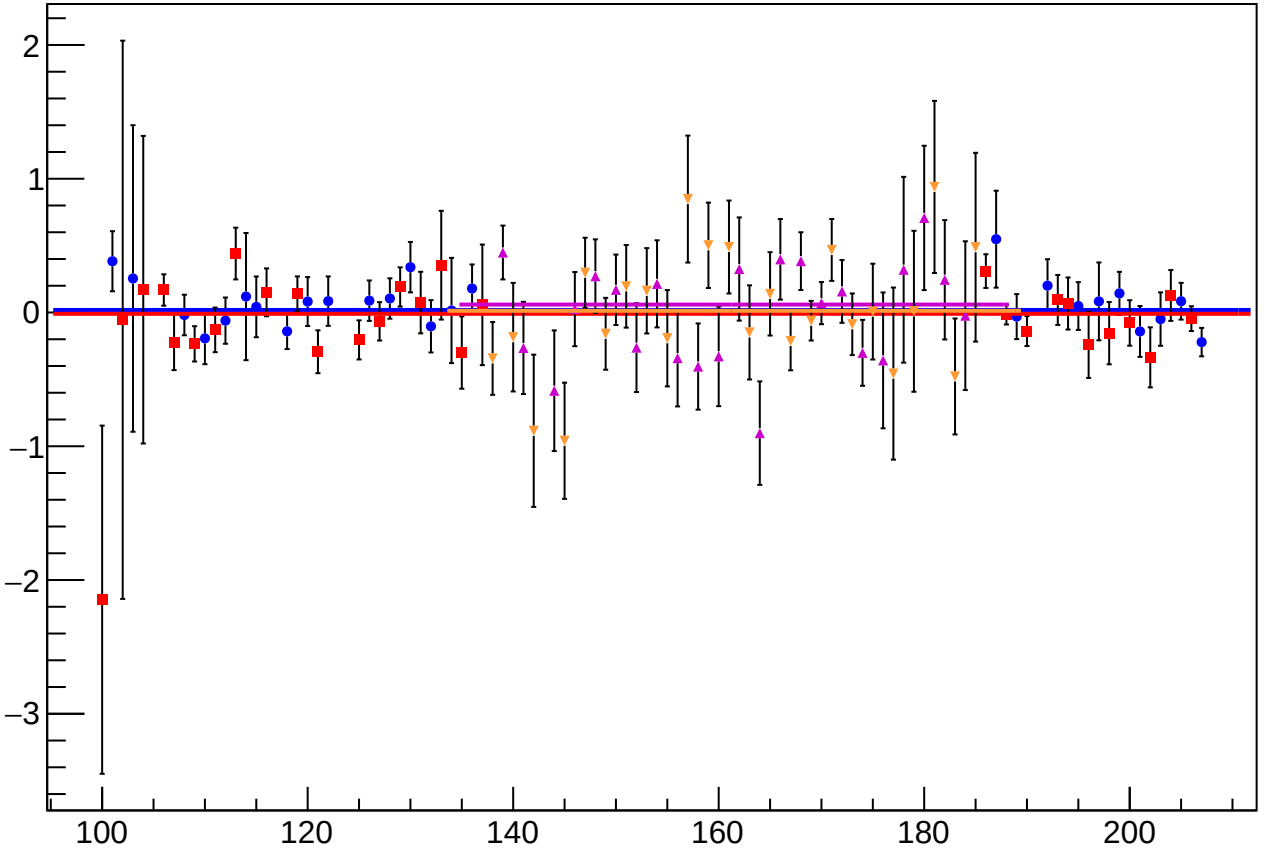
Right: 0.004+/-0.000 χ^2/NDF: 26290323.6/54

In: 0.004+/-0.000 χ^2/NDF:18400985.3/48

Out: 0.004+/-0.000 χ^2/NDF:23149507.6/52

All: 0.004+/-0.000 χ^2/NDF: 41620819.5/101

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.036 χ^2/NDF: 20.4/25

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

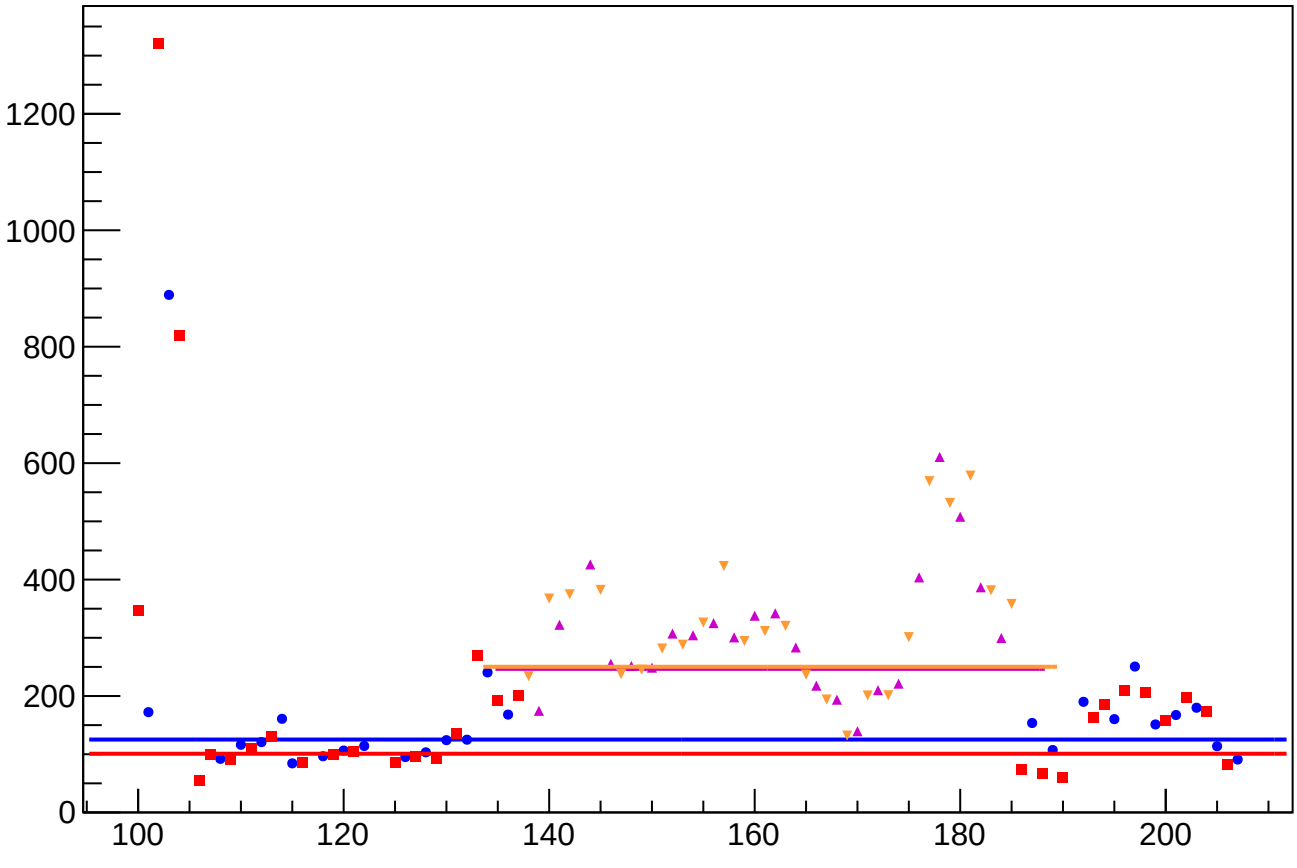
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.002+/-0.023 χ^2/NDF: 59.3/54

In: 0.029+/-0.031 χ^2/NDF:48.7/48

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.009+/-0.020 χ^2/NDF: 117.3/101



Right In: 125.234+/-0.025 χ^2/NDF: 2903823.5/25

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

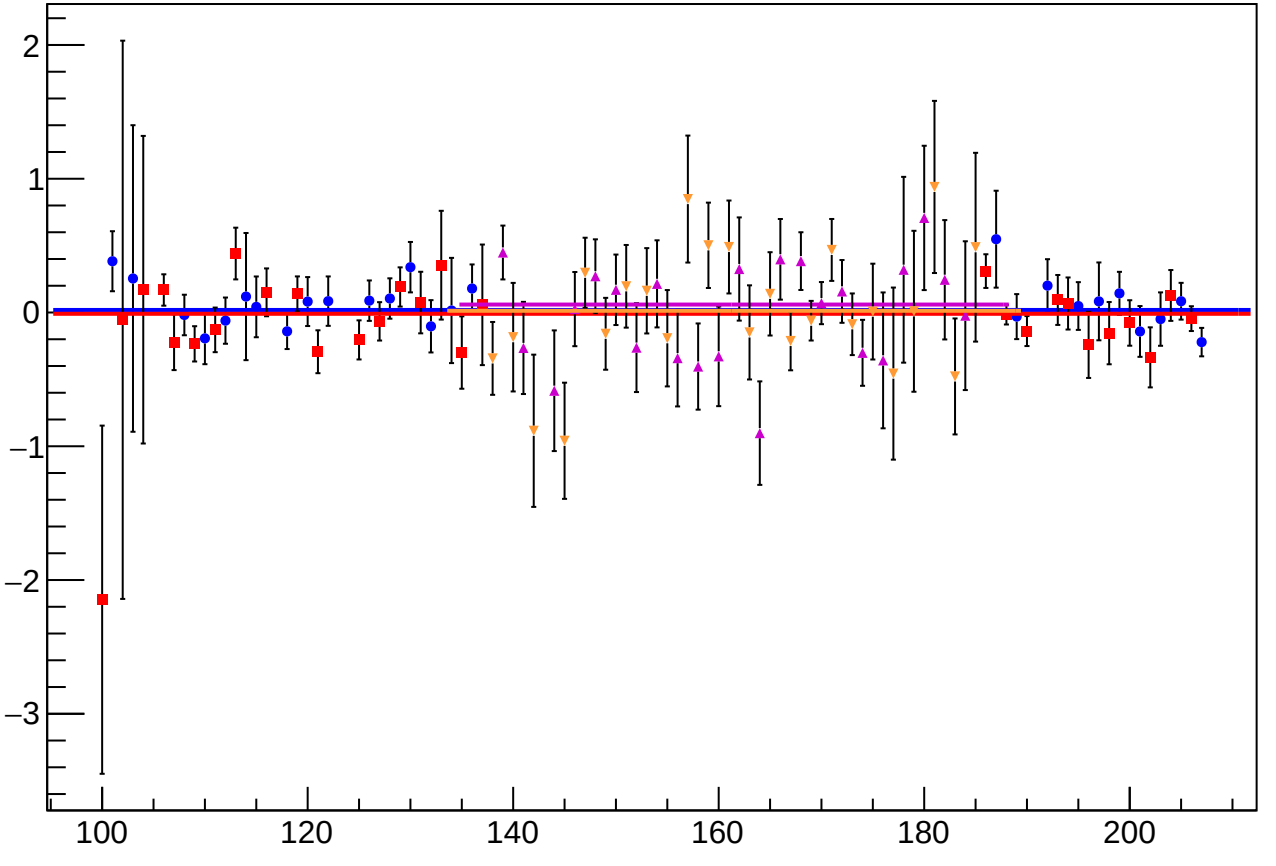
Right: 110.789+/-0.016 χ^2/NDF: 9266459.1/54

In: 155.342+/-0.022 χ^2/NDF:12440981.3/48

Out: 127.748+/-0.019 χ^2/NDF:19379428.4/52

All: 139.566+/-0.014 χ^2/NDF: 32733274.6/10

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.036 χ^2/NDF: 20.4/25

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

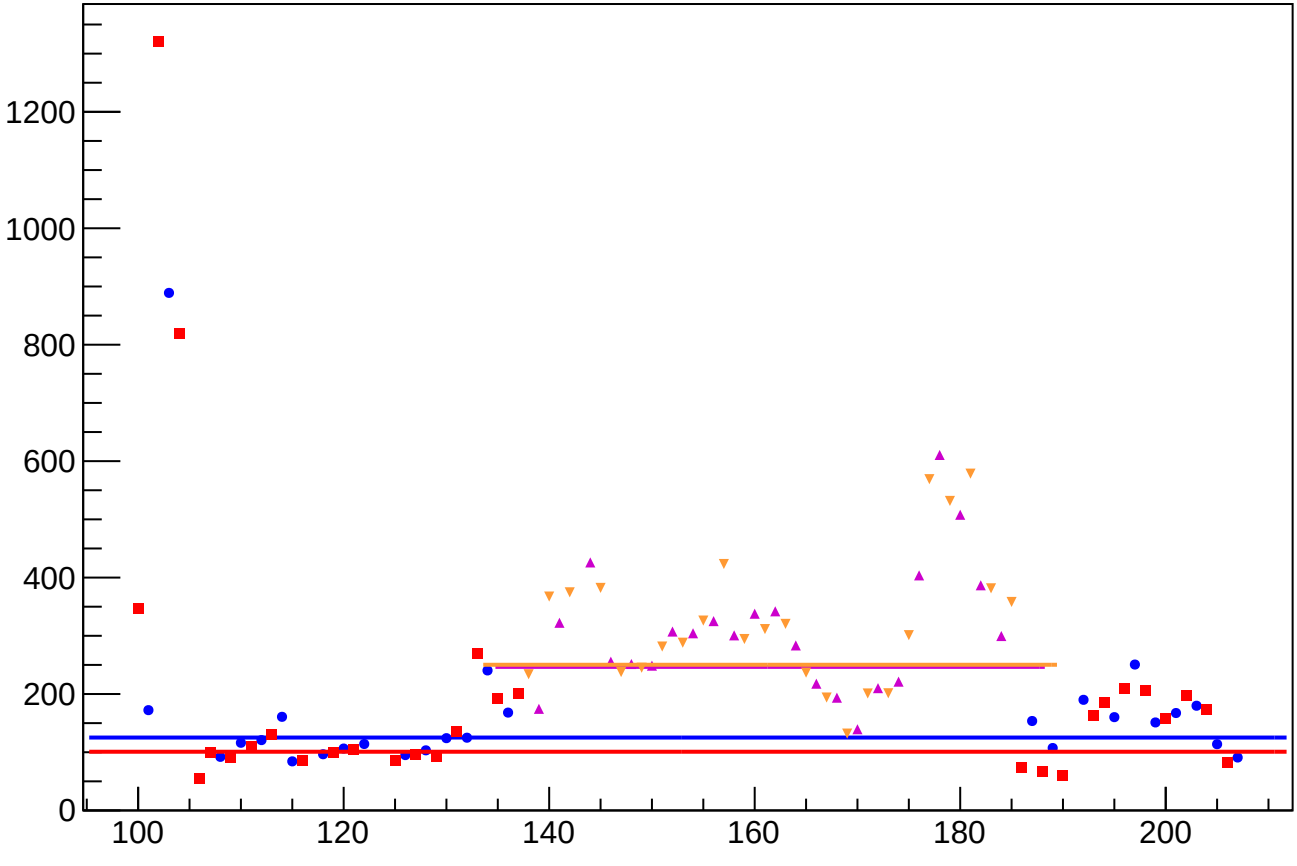
Right: 0.002+/-0.023 χ^2/NDF: 59.3/54

In: 0.029+/-0.031 χ^2/NDF:48.7/48

Out: -0.006+/-0.027 χ^2/NDF:67.9/52

All: 0.009+/-0.020 χ^2/NDF: 117.3/101

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 125.234+/-0.025 χ^2/NDF: 2903823.5/25

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

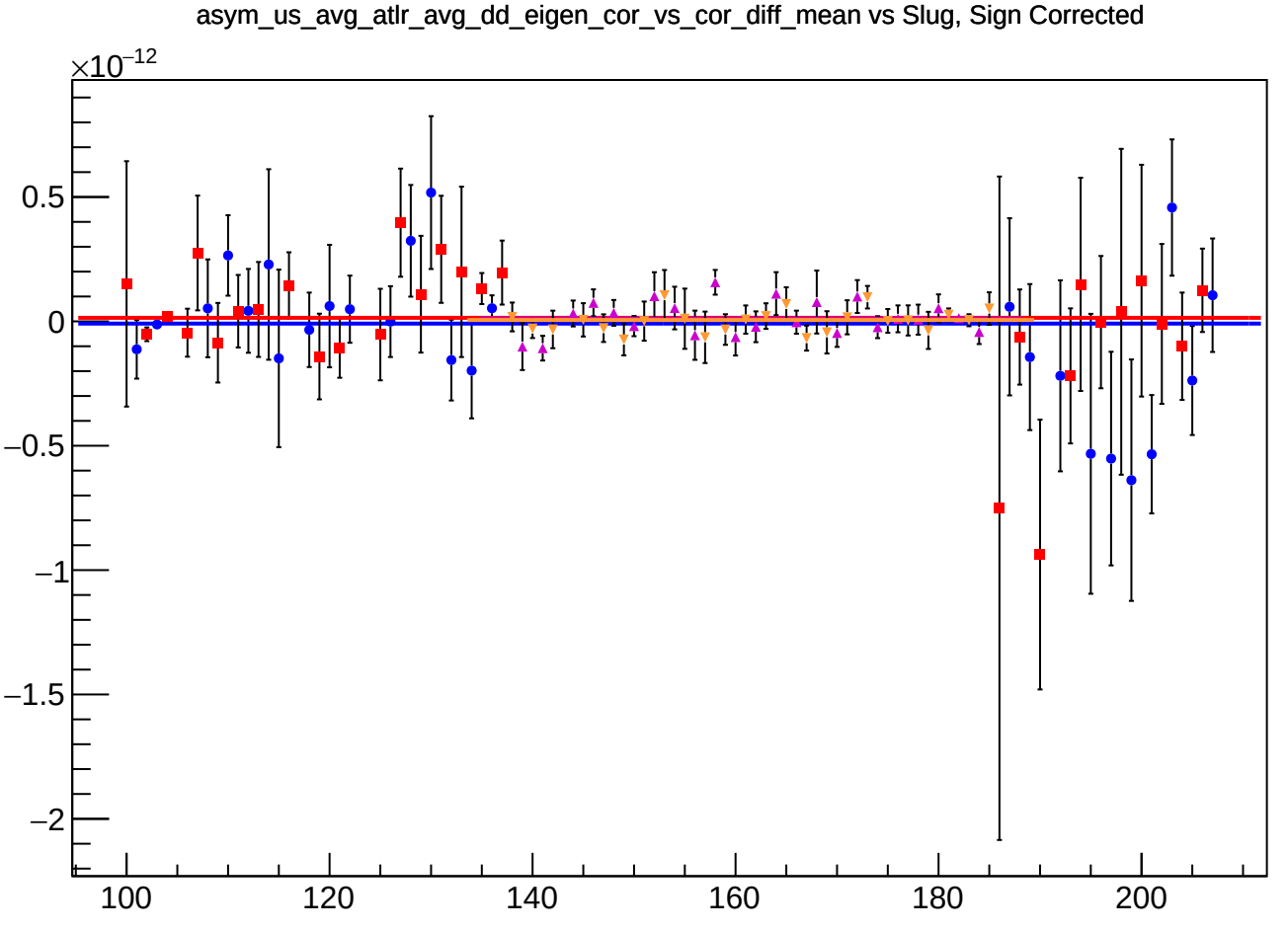
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 110.789+/-0.016 χ^2/NDF: 9266459.1/54

In: 155.342+/-0.022 χ^2/NDF:12440981.3/48

Out: 127.748+/-0.019 χ^2/NDF:19379428.4/52

All: 139.566+/-0.014 χ^2/NDF: 32733274.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/25

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

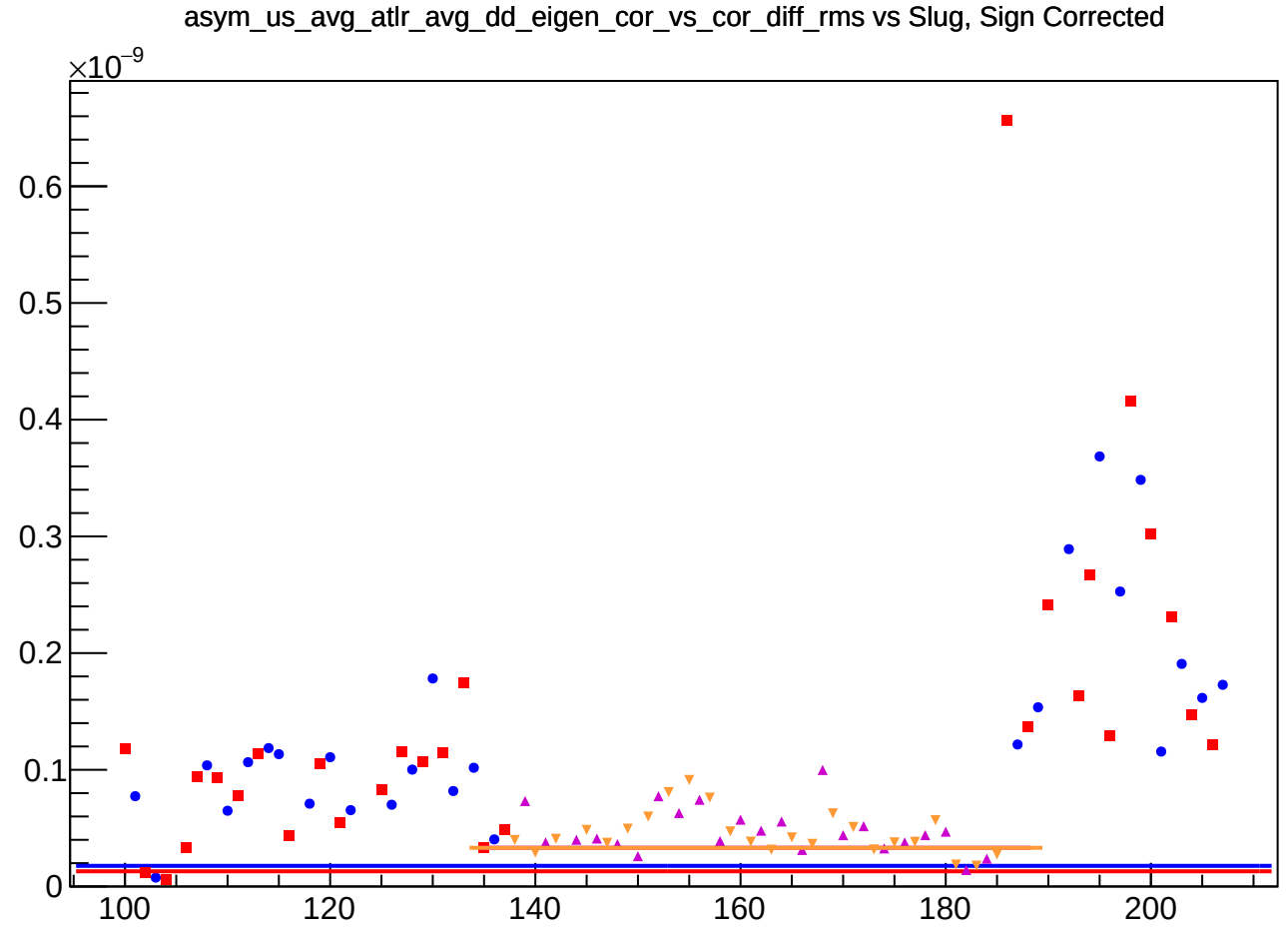
Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

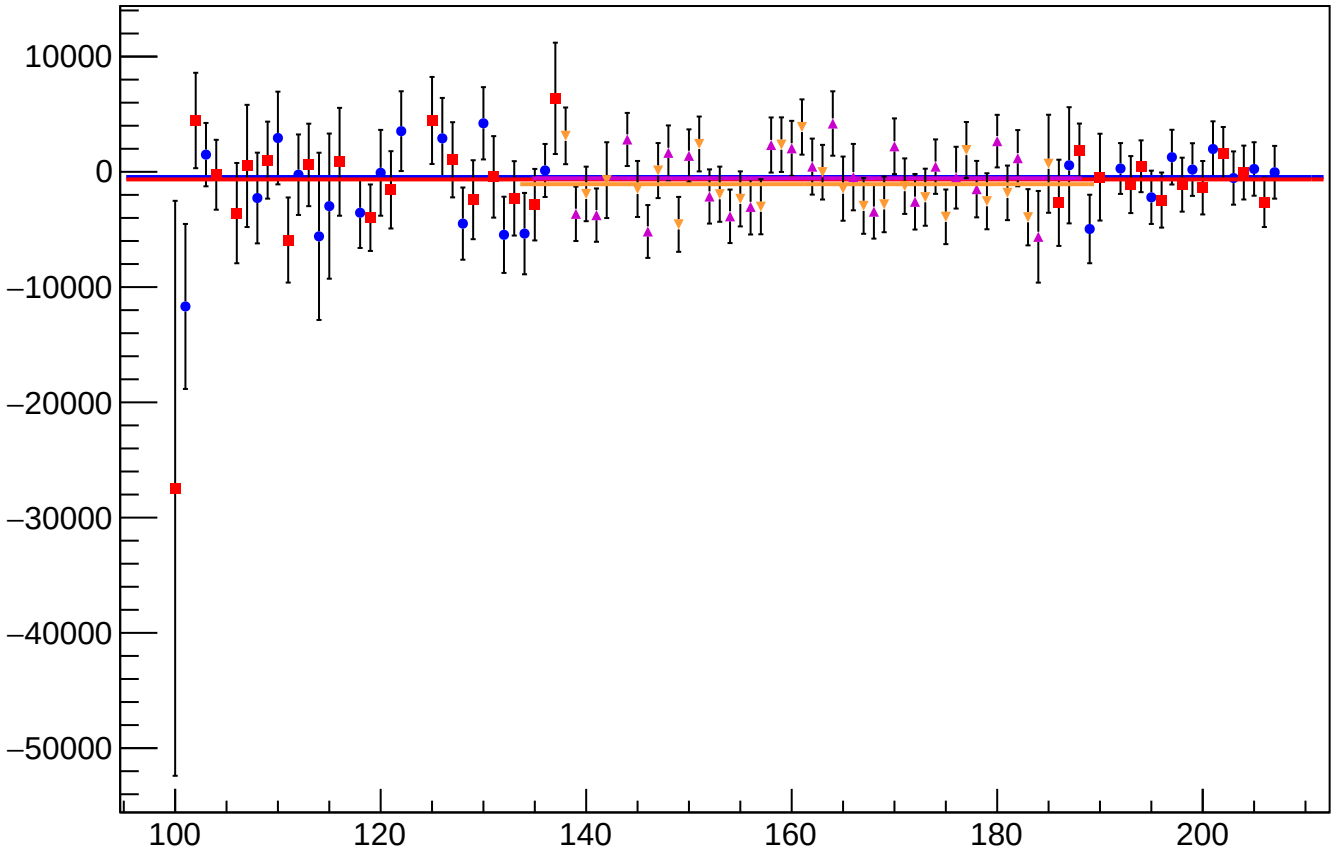
Right: 0.000+/-0.000 χ^2/NDF: 56.2/54

In: 0.000+/-0.000 χ^2/NDF:56.2/48

Out: 0.000+/-0.000 χ^2/NDF:41.3/52

All: 0.000+/-0.000 χ^2/NDF: 98.1/101


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 12820694.2/25
Left Out: 0.000+/-0.000 χ²/NDF:4025318.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 13361190.1/28
Left In: 0.000+/-0.000 χ²/NDF:5018453.7/22
Left: 0.000+/-0.000 χ²/NDF: 9043794.9/46
Right: 0.000+/-0.000 χ²/NDF: 26358135.6/54
In: 0.000+/-0.000 χ²/NDF:19669784.9/48
Out: 0.000+/-0.000 χ²/NDF:21326272.1/52
All: 0.000+/-0.000 χ²/NDF: 41316612.3/101



Right In: -451.321+/-580.764 χ^2/NDF: 20.8/25

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

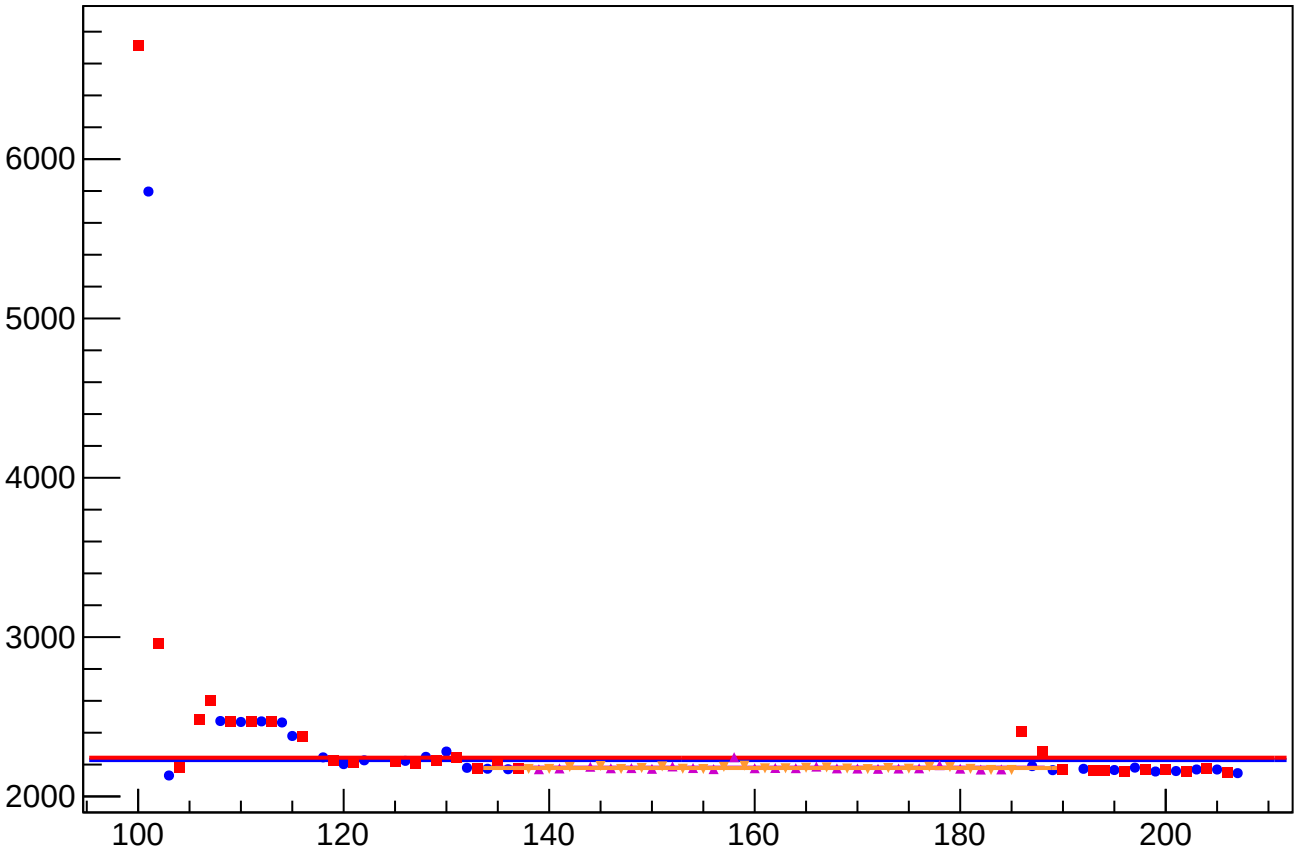
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -557.299+/-404.398 χ^2/NDF: 37.6/54

In: -511.098+/-382.878 χ^2/NDF:49.5/48

Out: -887.415+/-376.279 χ^2/NDF:38.6/52

All: -702.527+/-268.372 χ^2/NDF: 88.6/101



Right In: 2228.080+/-0.411 χ^2/NDF: 543601.7/25

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

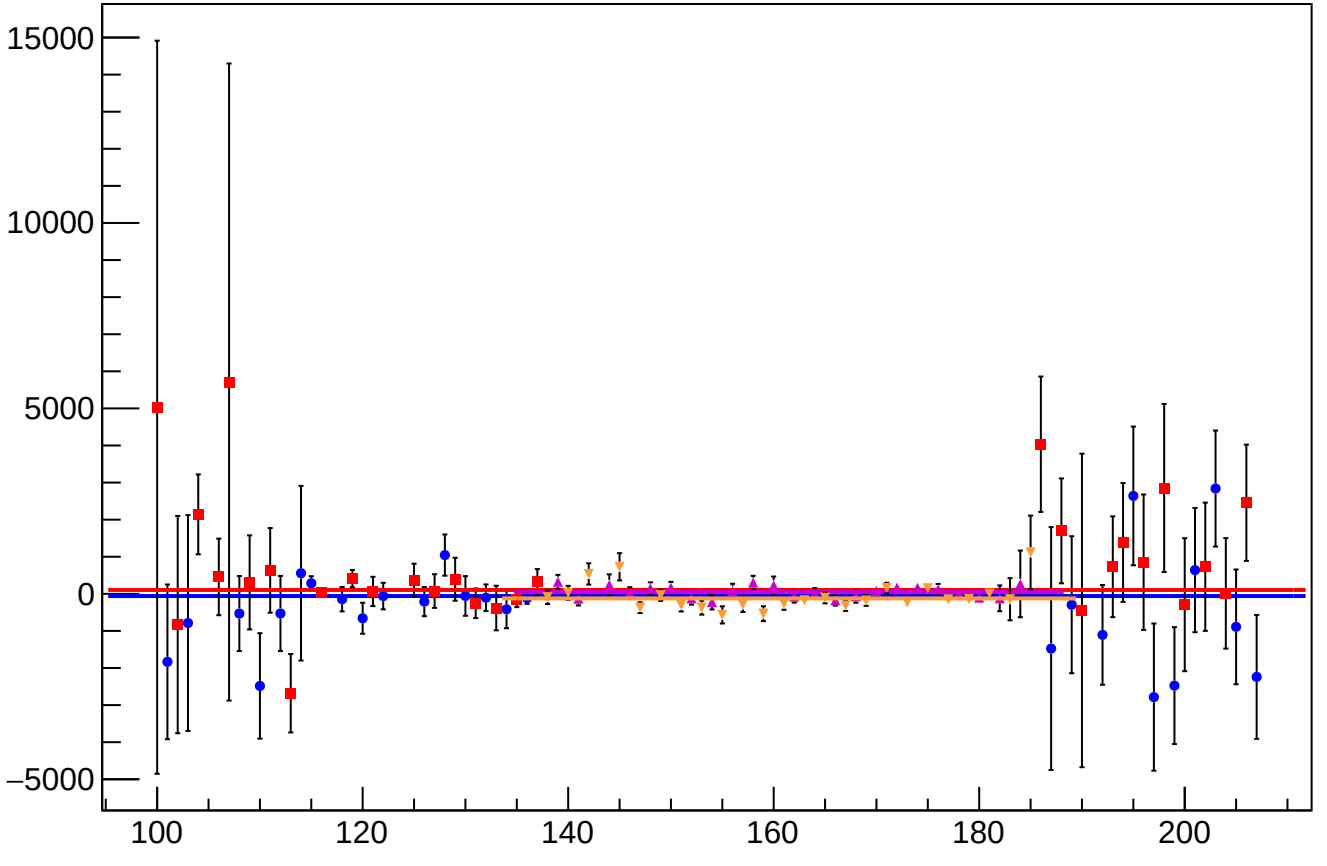
Right: 2235.878+/-0.286 χ^2/NDF: 737343.4/54

In: 2201.417+/-0.271 χ^2/NDF:552924.4/48

Out: 2207.221+/-0.266 χ^2/NDF:208164.7/52

All: 2204.369+/-0.190 χ^2/NDF: 761323.0/101

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -59.220+/-89.655 χ^2/NDF: 27.1/25

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

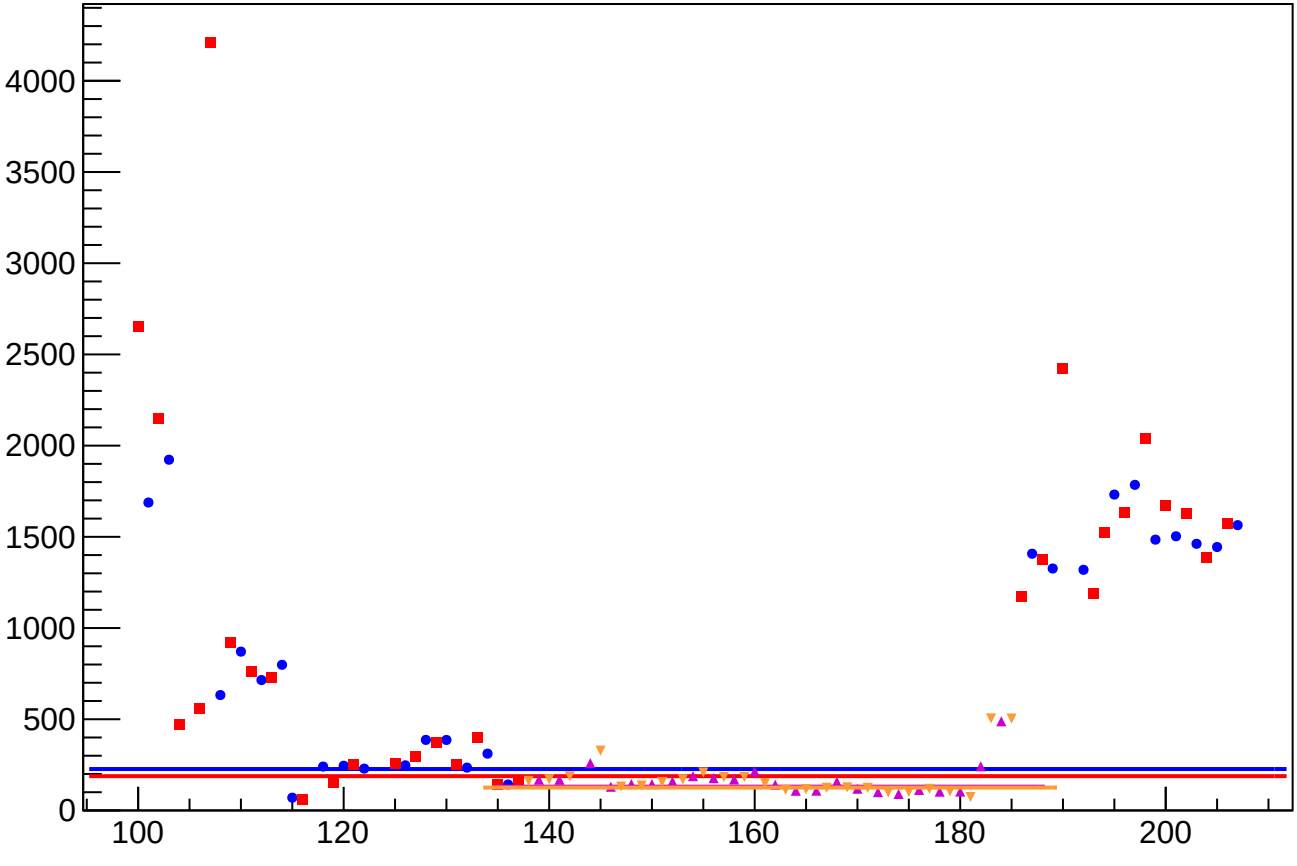
Right: 30.867+/-60.244 χ^2/NDF: 57.6/54

In: 37.563+/-30.592 χ^2/NDF:46.7/48

Out: -93.423+/-29.300 χ^2/NDF:79.3/52

All: -30.754+/-21.160 χ^2/NDF: 135.5/101

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 227.053+/-0.063 χ^2/NDF: 16388081.1/25

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

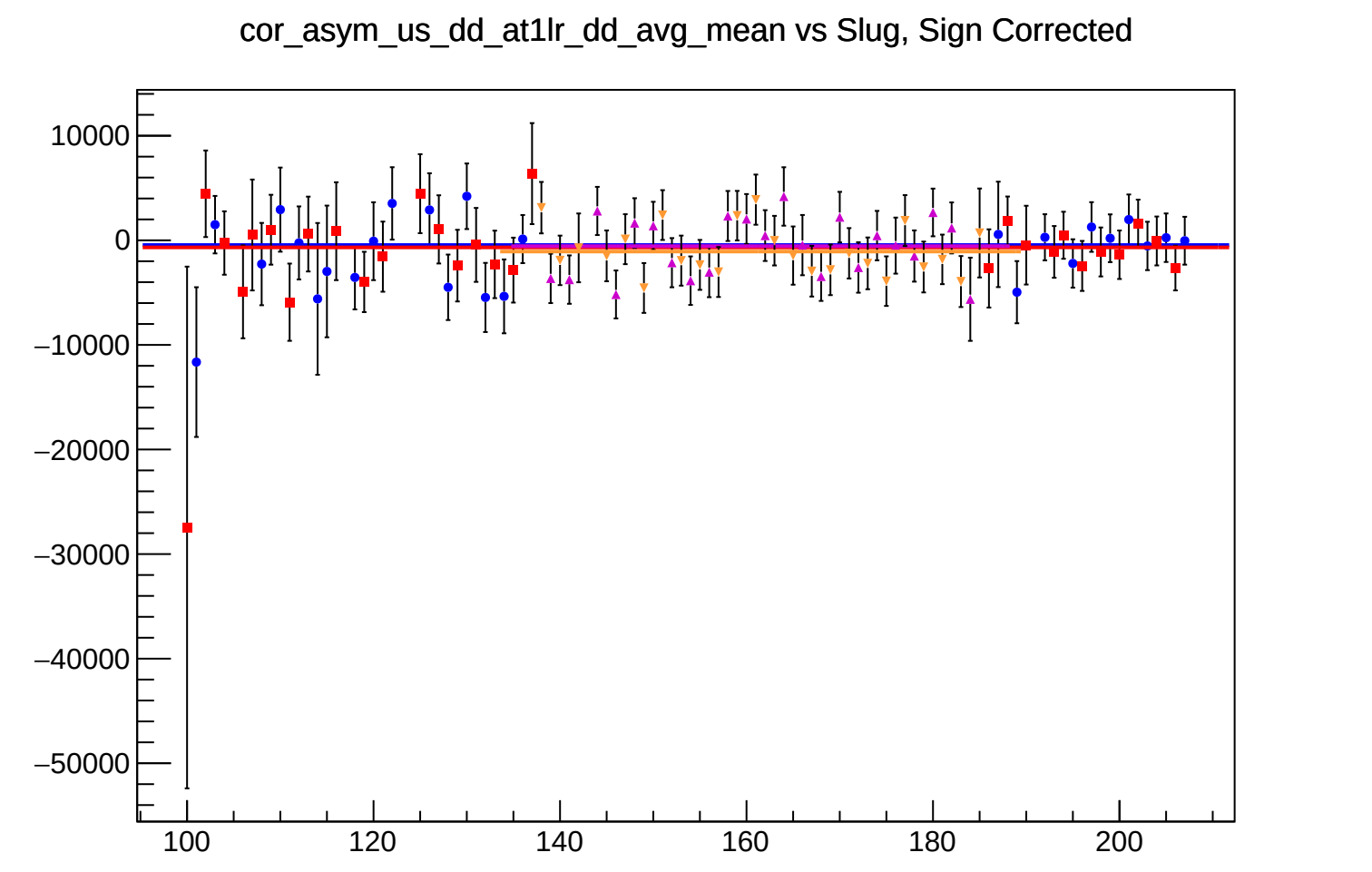
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 205.659+/-0.043 χ^2/NDF: 36303522.0/54

In: 141.685+/-0.022 χ^2/NDF:21120019.4/48

Out: 133.620+/-0.021 χ^2/NDF:24679383.7/52

All: 137.479+/-0.015 χ^2/NDF: 45871903.5/10



Right In: -450.871+/-580.764 χ^2/NDF: 20.8/25

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

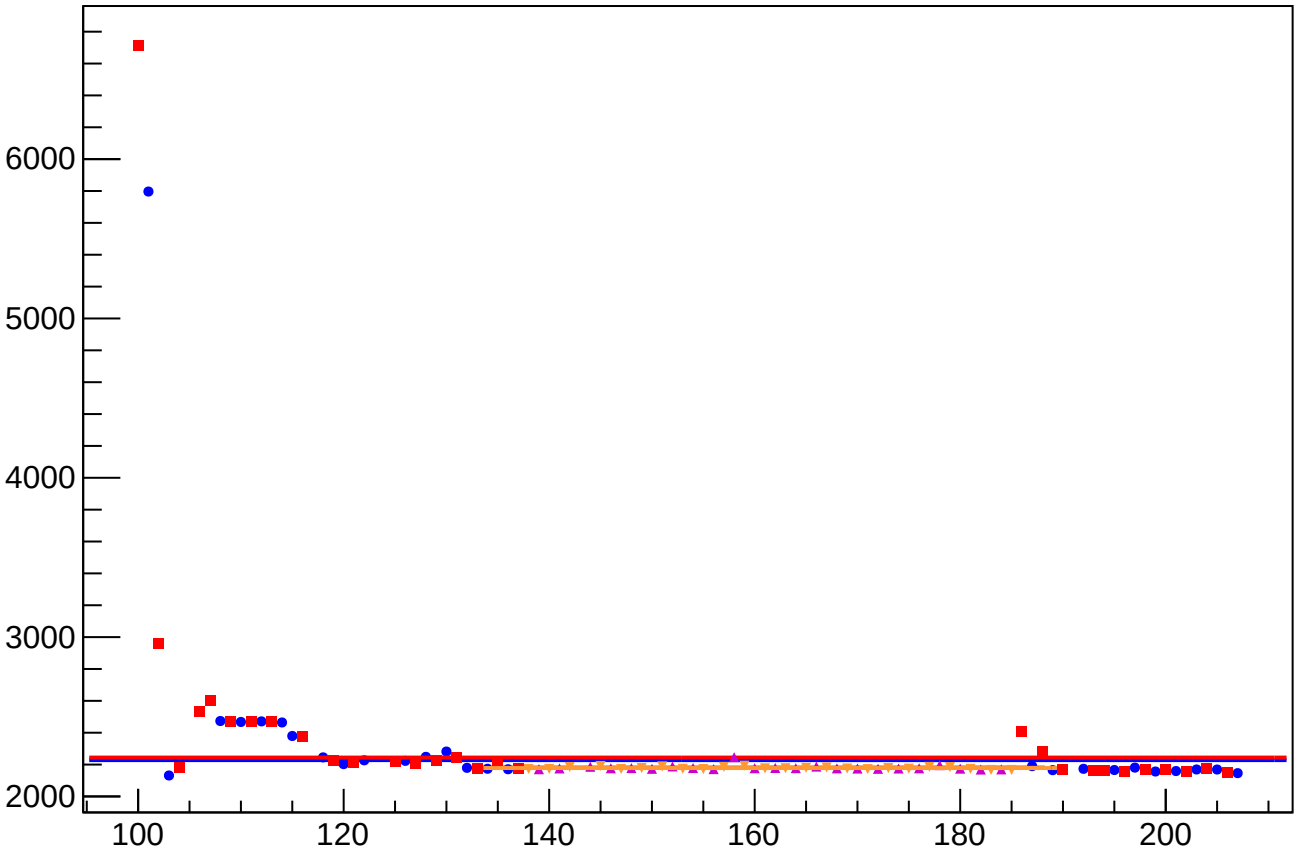
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -567.196+/-404.470 χ^2/NDF: 38.1/54

In: -510.918+/-382.878 χ^2/NDF:49.5/48

Out: -896.236+/-376.337 χ^2/NDF:39.0/52

All: -706.896+/-268.393 χ^2/NDF: 89.0/101



Right In: 2228.080+/-0.411 χ^2/NDF: 543602.0/25

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

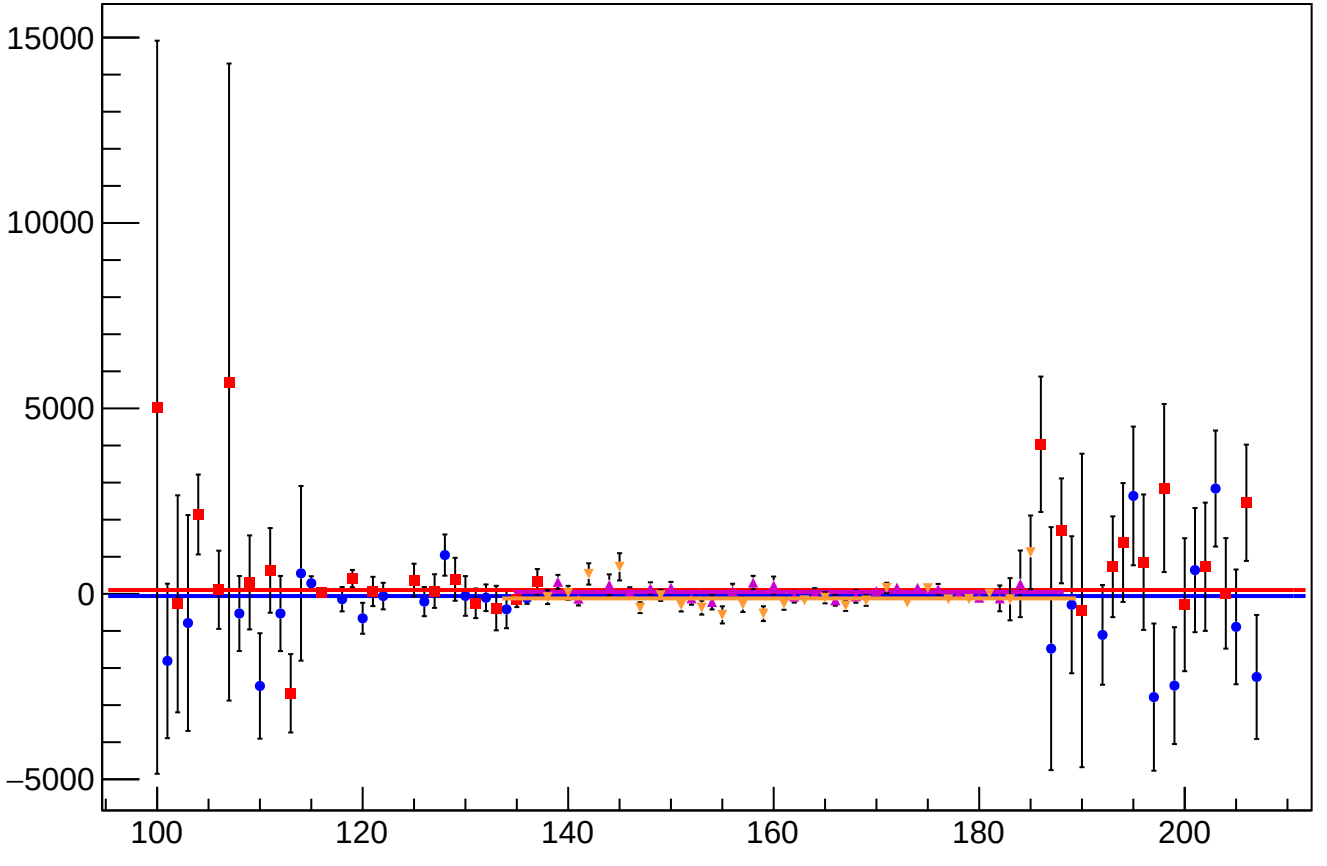
Right: 2236.209+/-0.286 χ^2/NDF: 739880.1/54

In: 2201.417+/-0.271 χ^2/NDF:552924.7/48

Out: 2207.499+/-0.266 χ^2/NDF:210929.8/52

All: 2204.510+/-0.190 χ^2/NDF: 764111.2/101

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -59.255+/-89.660 χ^2/NDF: 27.1/25

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

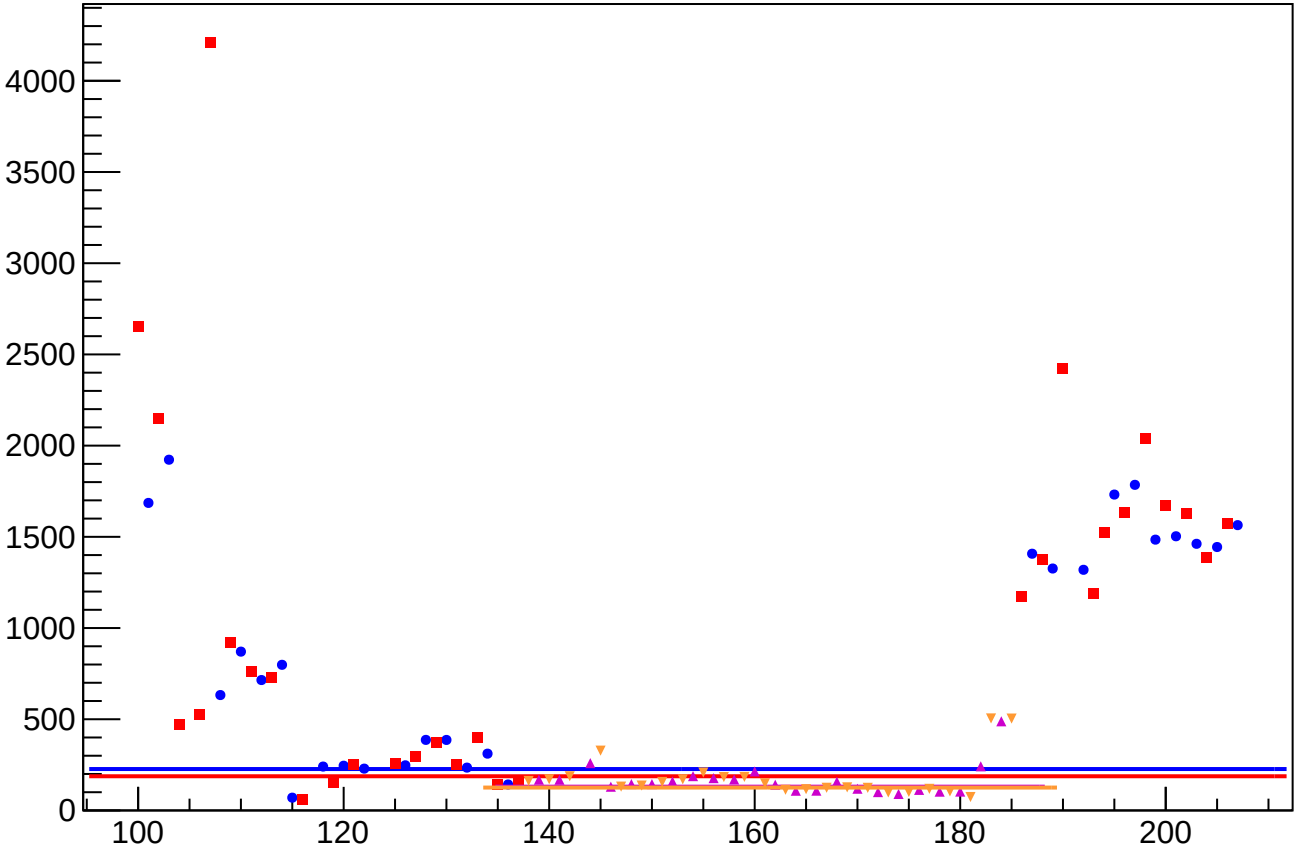
Right: 29.820+/-60.221 χ^2/NDF: 57.3/54

In: 37.464+/-30.595 χ^2/NDF:46.7/48

Out: -93.575+/-29.297 χ^2/NDF:78.9/52

All: -30.893+/-21.160 χ^2/NDF: 135.2/101

asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 227.081+/-0.063 χ^2/NDF: 16386508.6/25

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

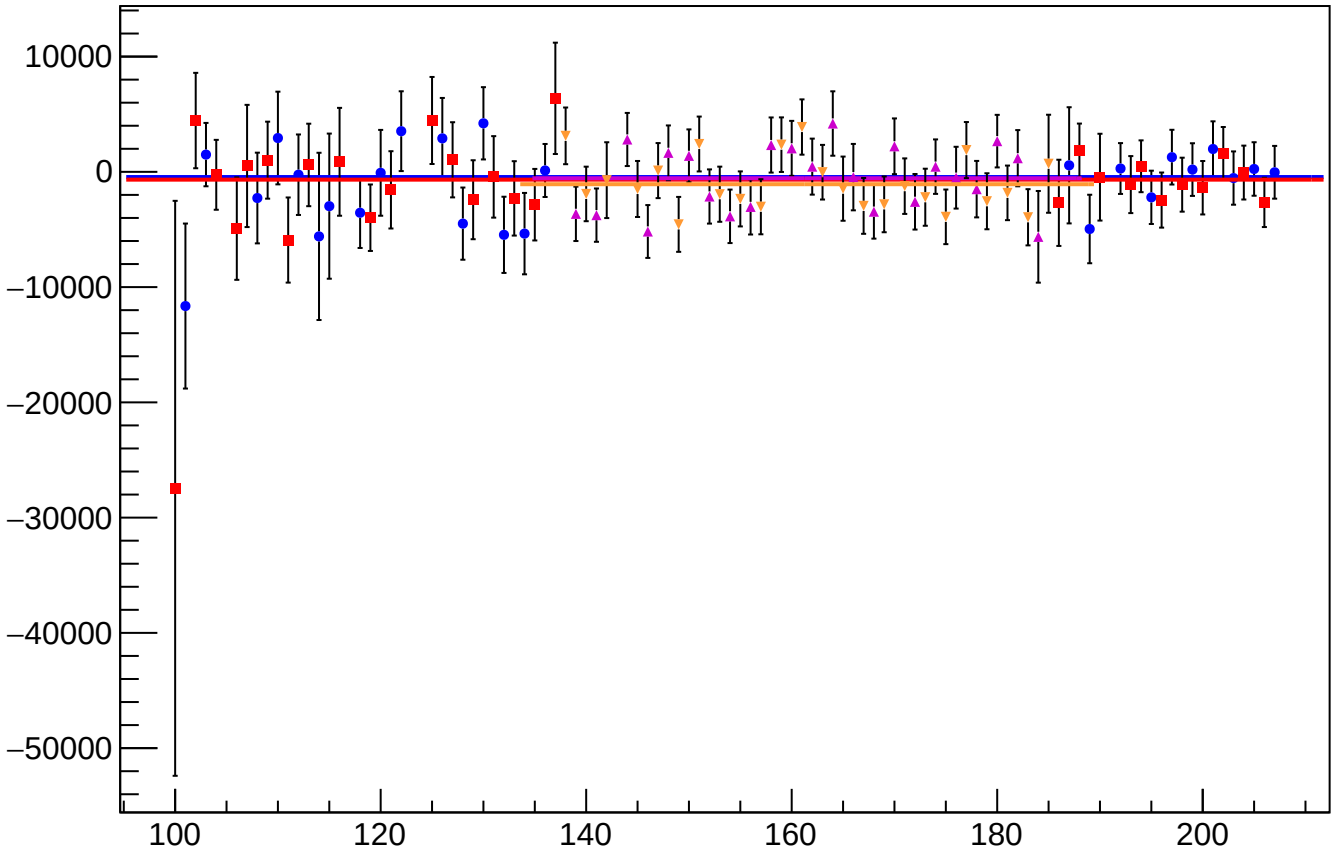
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 205.333+/-0.043 χ^2/NDF: 36274458.9/54

In: 141.702+/-0.022 χ^2/NDF:21118416.4/48

Out: 133.550+/-0.021 χ^2/NDF:24628036.6/52

All: 137.450+/-0.015 χ^2/NDF: 45820519.1/10



Right In: -450.871+/-580.764 χ^2/NDF: 20.8/25

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

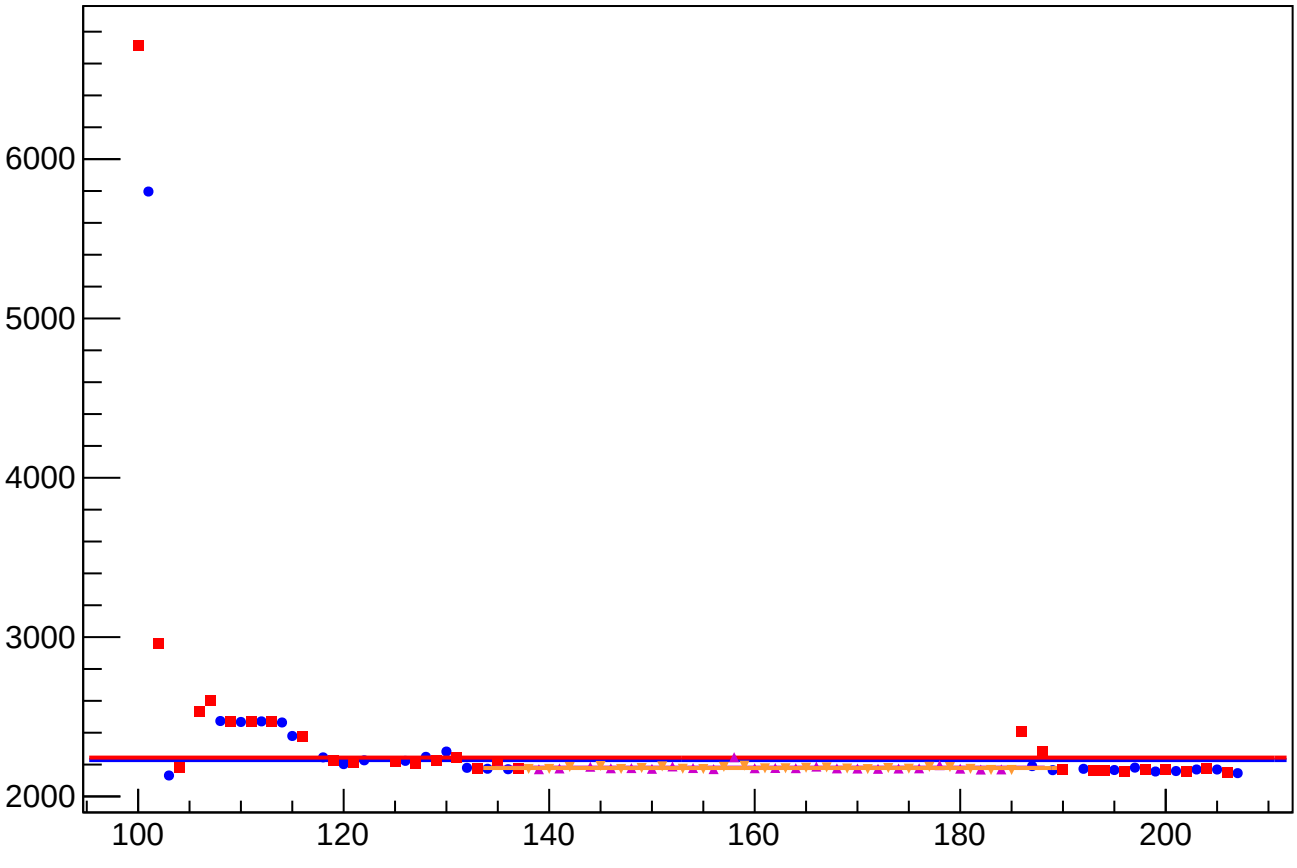
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -567.196+/-404.470 χ^2/NDF: 38.1/54

In: -510.918+/-382.878 χ^2/NDF:49.5/48

Out: -896.236+/-376.337 χ^2/NDF:39.0/52

All: -706.896+/-268.393 χ^2/NDF: 89.0/101



Right In: 2228.080+/-0.411 χ^2/NDF: 543602.0/25

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

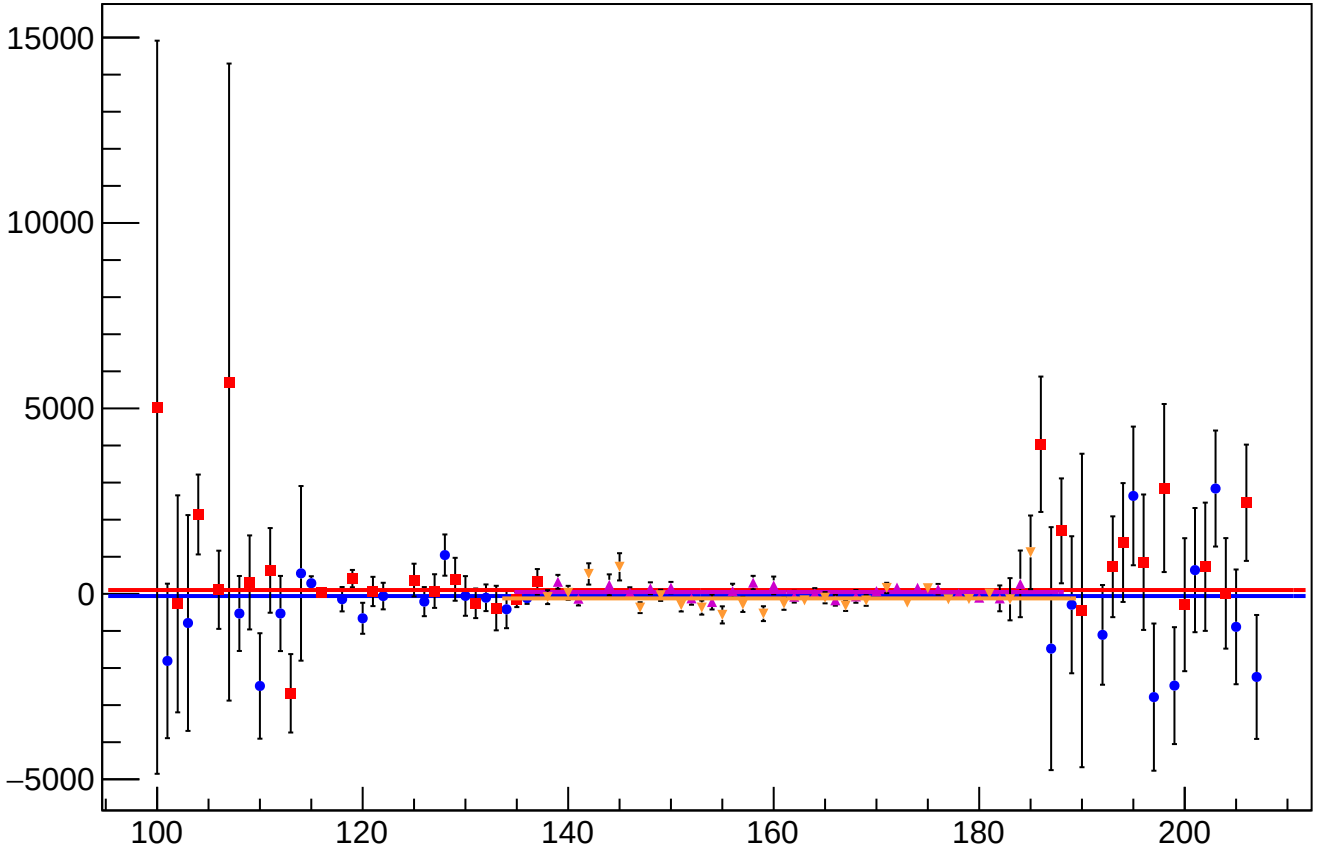
Right: 2236.209+/-0.286 χ^2/NDF: 739880.1/54

In: 2201.417+/-0.271 χ^2/NDF:552924.7/48

Out: 2207.499+/-0.266 χ^2/NDF:210929.8/52

All: 2204.510+/-0.190 χ^2/NDF: 764111.2/101

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -59.255+/-89.660 χ^2/NDF: 27.1/25

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

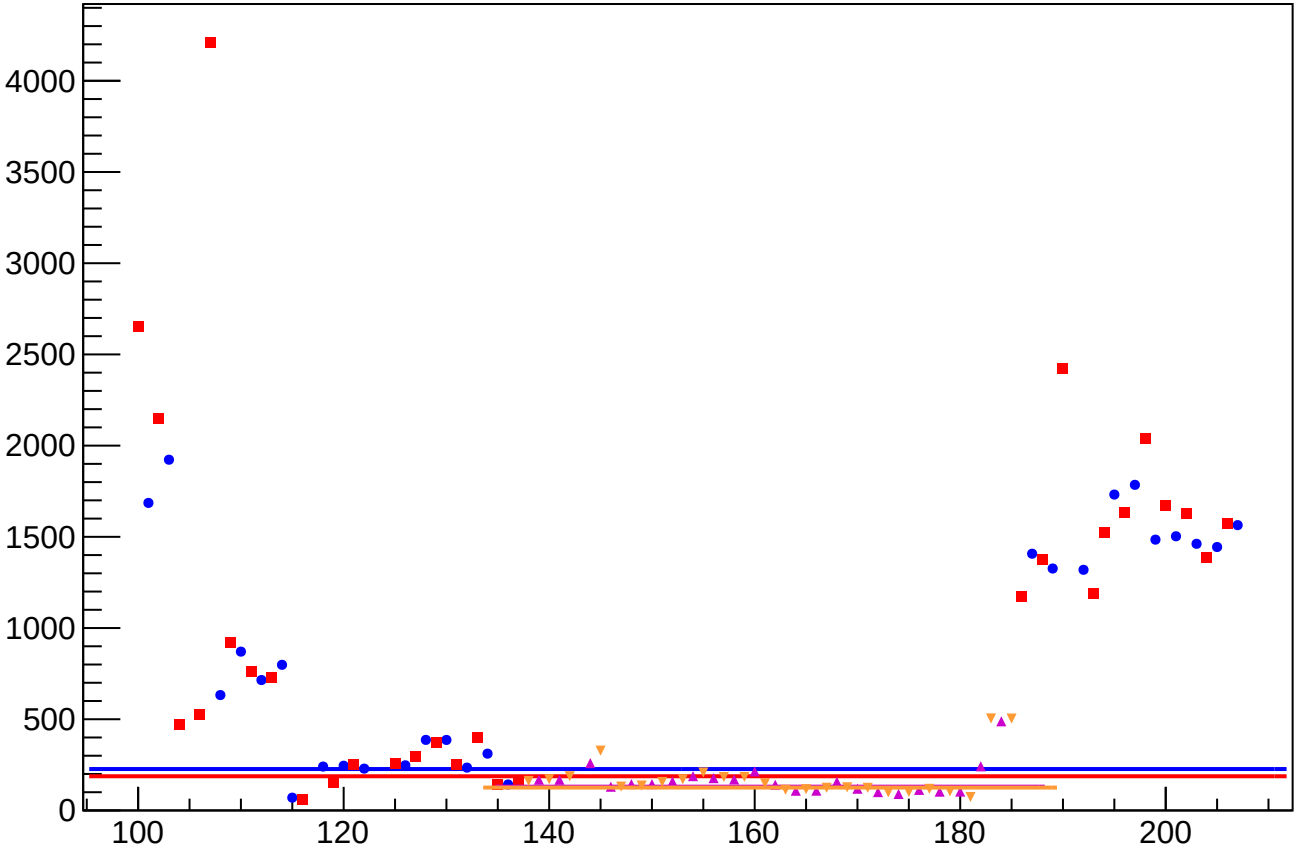
Right: 29.820+/-60.221 χ^2/NDF: 57.3/54

In: 37.464+/-30.595 χ^2/NDF:46.7/48

Out: -93.575+/-29.297 χ^2/NDF:78.9/52

All: -30.893+/-21.160 χ^2/NDF: 135.2/101

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 227.081+/-0.063 χ^2/NDF: 16386508.6/25

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

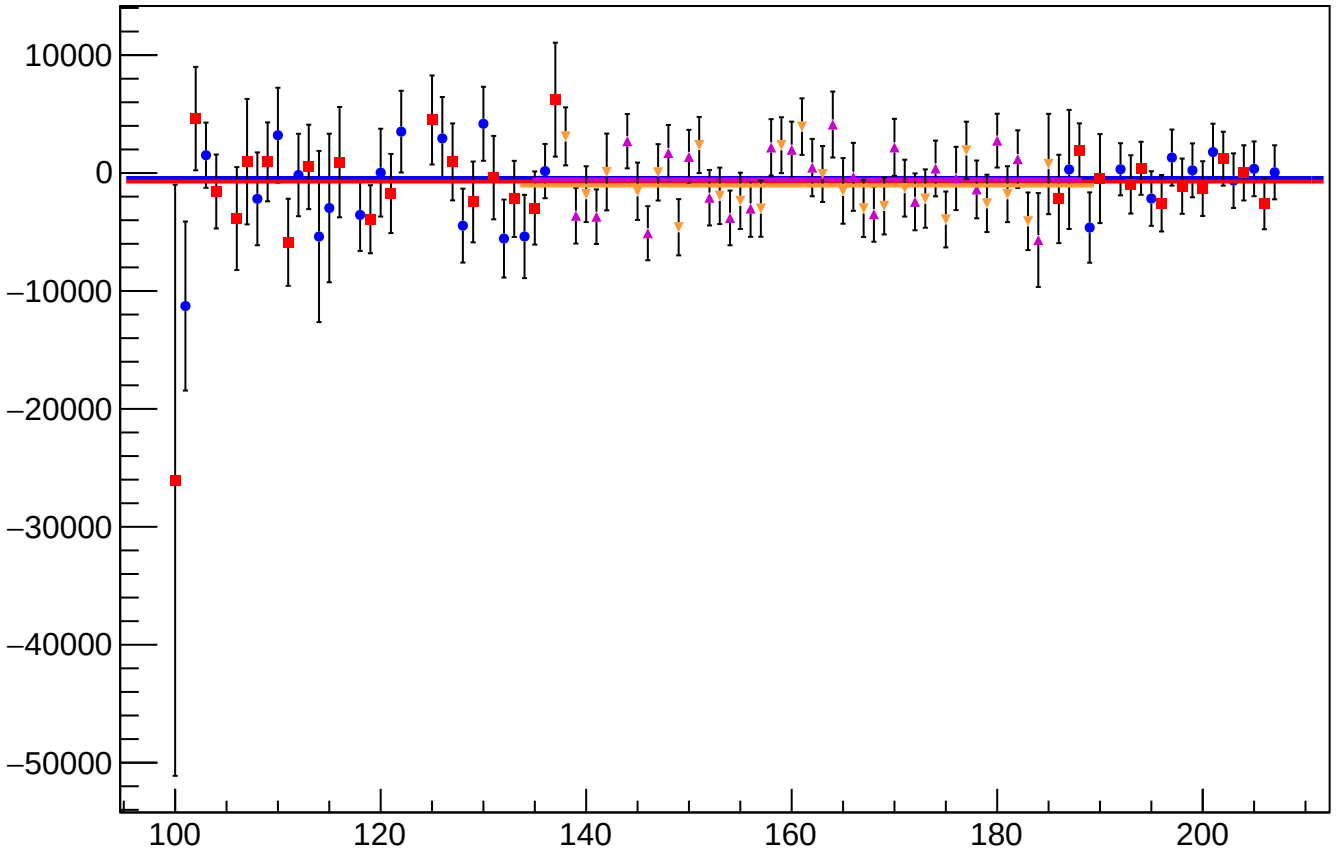
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 205.333+/-0.043 χ^2/NDF: 36274458.9/54

In: 141.702+/-0.022 χ^2/NDF:21118416.4/48

Out: 133.550+/-0.021 χ^2/NDF:24628036.6/52

All: 137.450+/-0.015 χ^2/NDF: 45820519.1/10



Right In: -420.823+/-581.446 χ^2/NDF: 20.3/25

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

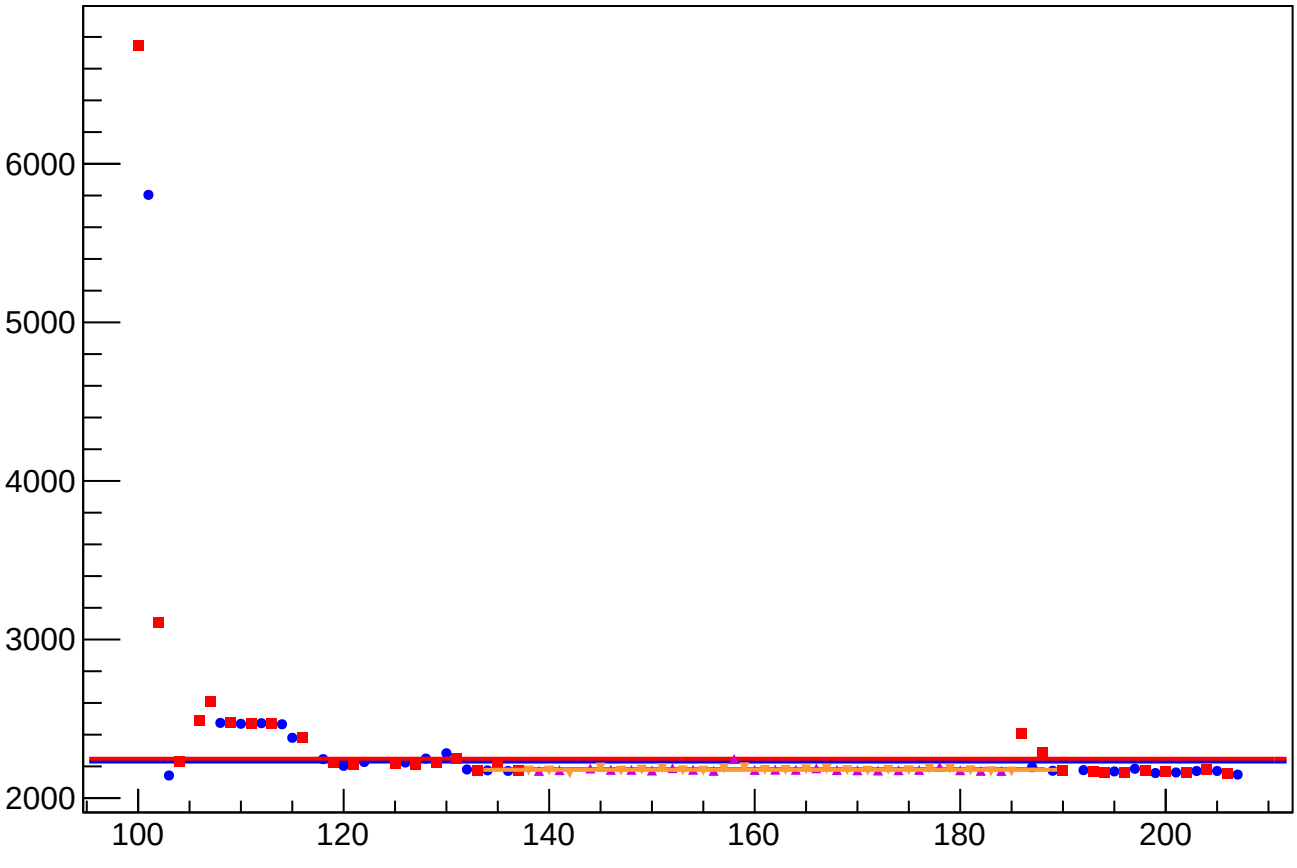
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -574.679+/-405.315 χ^2/NDF: 36.5/54

In: -490.655+/-383.169 χ^2/NDF:48.2/48

Out: -910.253+/-376.870 χ^2/NDF:38.2/52

All: -703.932+/-268.687 χ^2/NDF: 87.0/101



Right In: 2230.594+/-0.411 χ^2/NDF: 542875.5/25

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

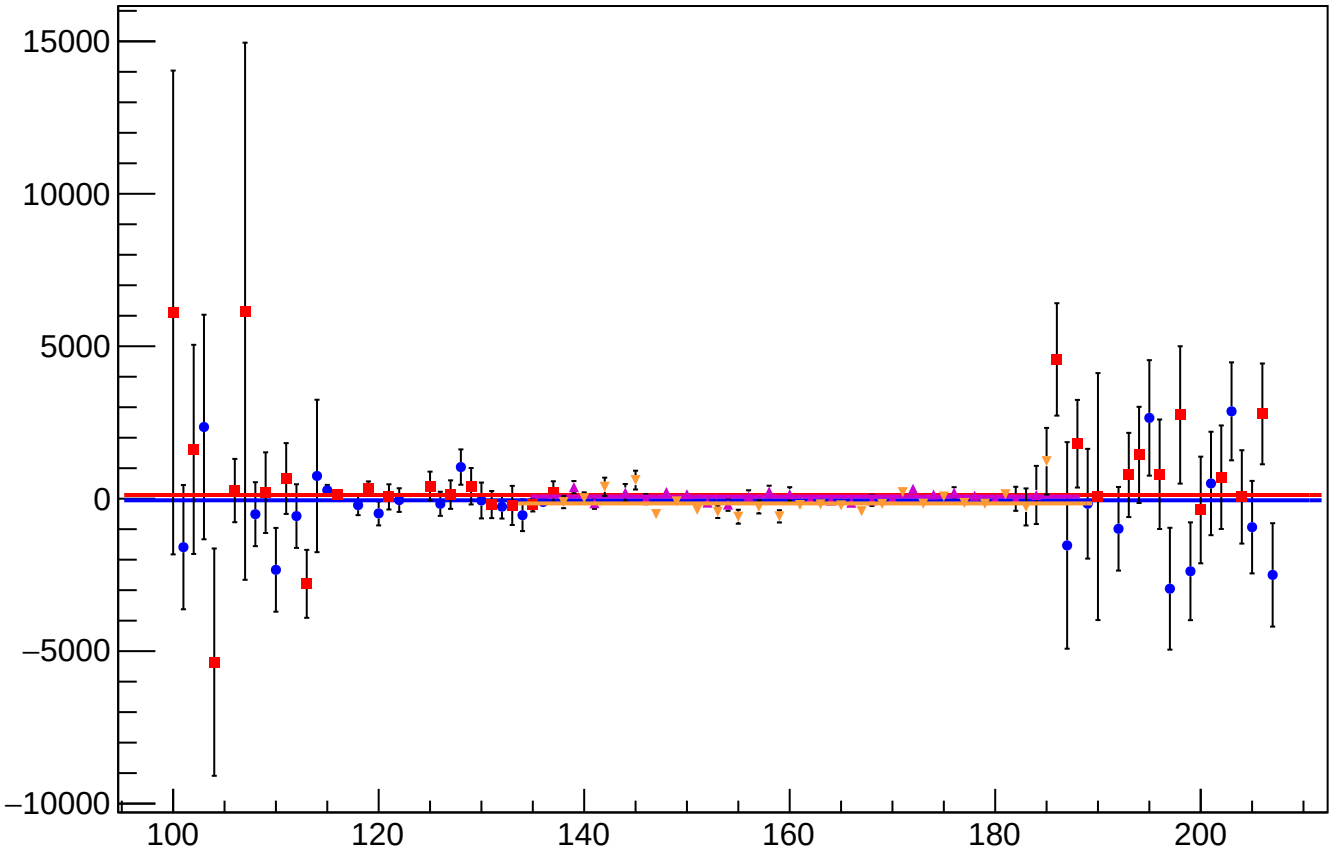
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2239.713+/-0.287 χ^2/NDF: 754691.0/54

In: 2203.036+/-0.271 χ^2/NDF:552654.7/48

Out: 2209.539+/-0.266 χ^2/NDF:228268.6/52

All: 2206.342+/-0.190 χ^2/NDF: 781216.1/101



Right In: -52.493+/-91.110 χ^2/NDF: 26.8/25

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

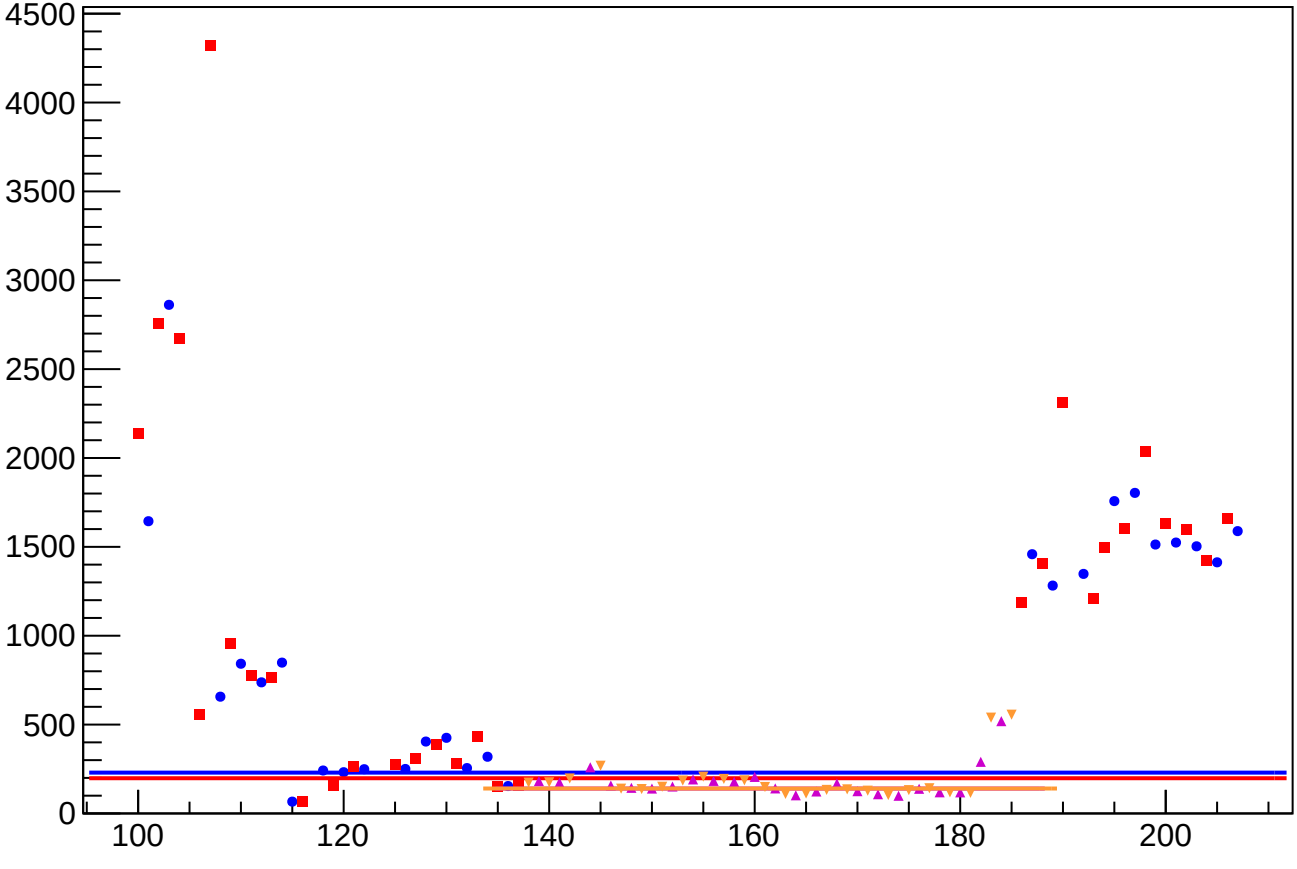
Right: 40.504+/-62.120 χ^2/NDF: 56.3/54

In: 54.993+/-32.022 χ^2/NDF:47.3/48

Out: -116.474+/-31.613 χ^2/NDF:83.9/52

All: -31.844+/-22.497 χ^2/NDF: 145.8/101

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 229.761+/-0.064 χ^2/NDF: 16949959.1/25

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

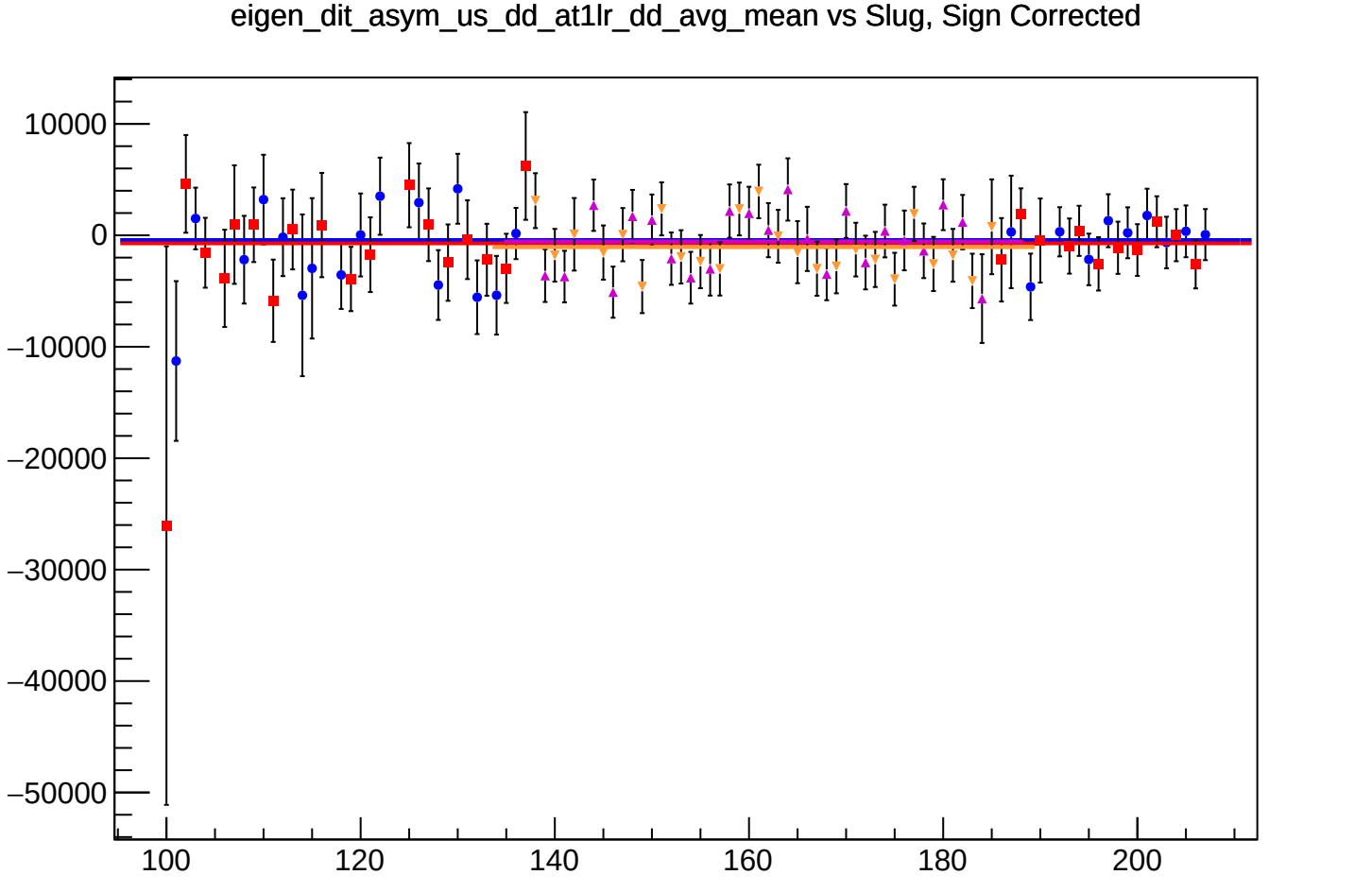
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 212.863+/-0.044 χ^2/NDF: 37566451.4/54

In: 151.069+/-0.023 χ^2/NDF:21064626.3/48

Out: 148.338+/-0.022 χ^2/NDF:24048176.8/52

All: 149.686+/-0.016 χ^2/NDF: 45120172.7/10



Right In: -420.825+/-581.446 χ^2/NDF: 20.3/25

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

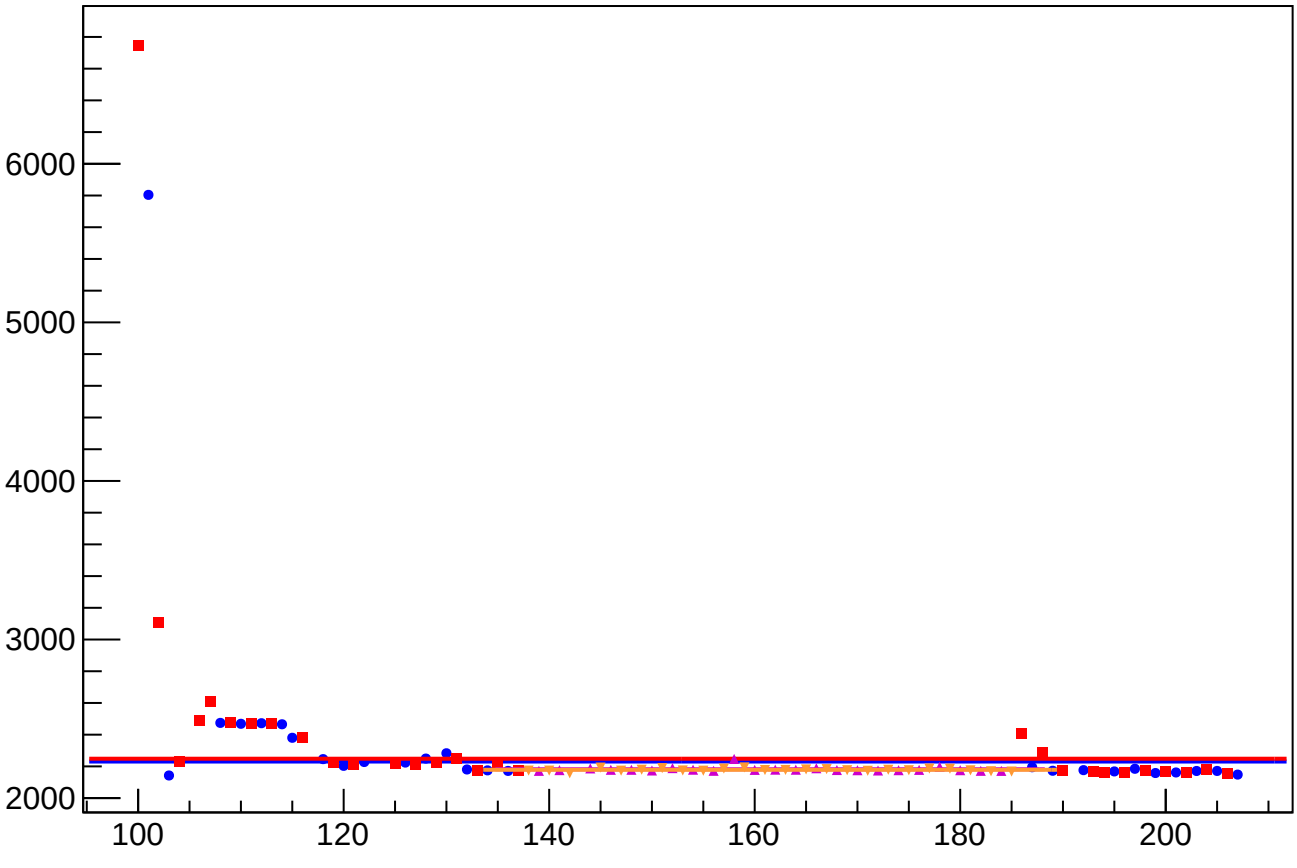
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -574.679+/-405.315 χ^2/NDF: 36.5/54

In: -490.655+/-383.169 χ^2/NDF:48.2/48

Out: -910.253+/-376.870 χ^2/NDF:38.2/52

All: -703.931+/-268.687 χ^2/NDF: 87.0/101



Right In: 2230.594+/-0.411 χ^2/NDF: 542875.5/25

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

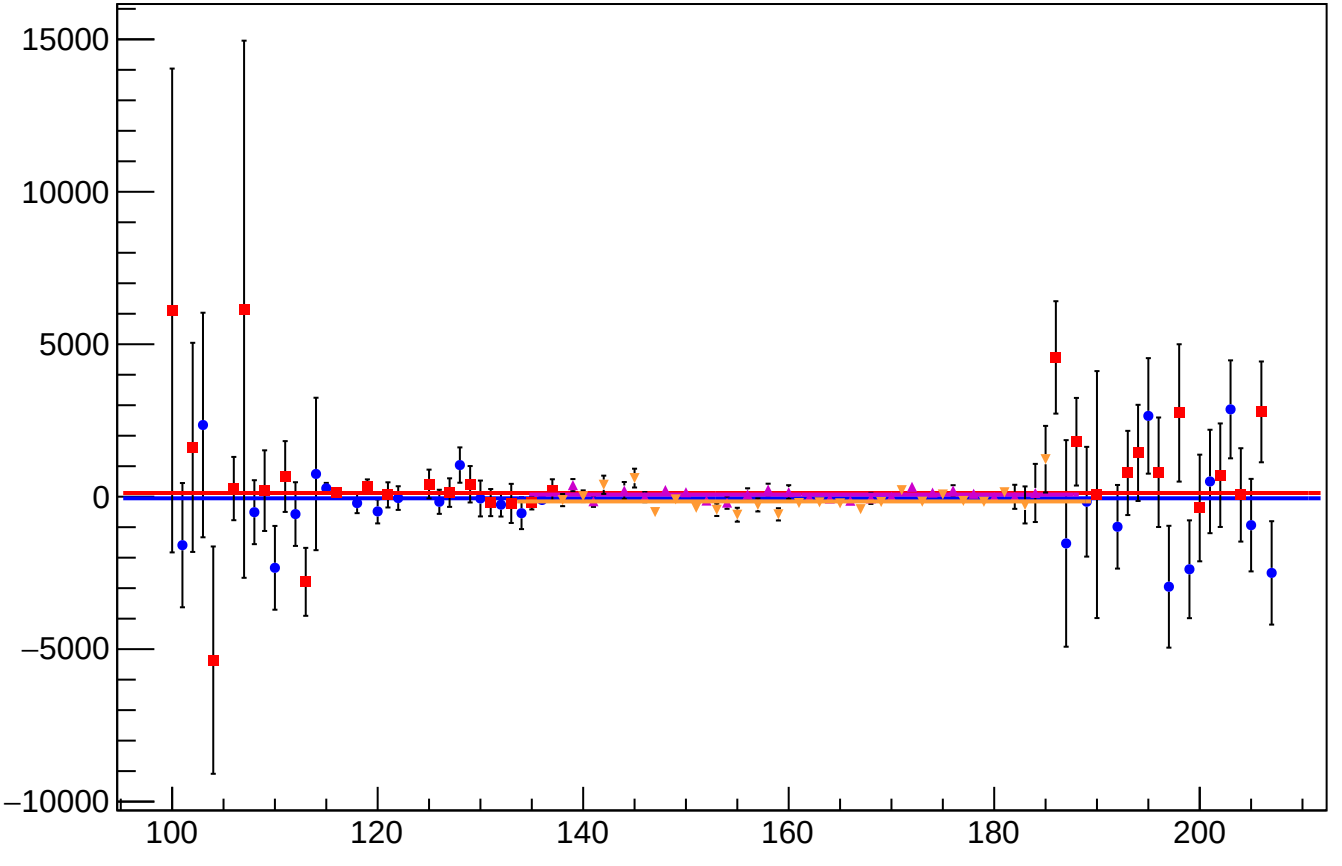
Right: 2239.713+/-0.287 χ^2/NDF: 754690.9/54

In: 2203.036+/-0.271 χ^2/NDF:552654.7/48

Out: 2209.539+/-0.266 χ^2/NDF:228268.5/52

All: 2206.342+/-0.190 χ^2/NDF: 781216.0/101

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -52.489+/-91.109 χ^2/NDF: 26.8/25

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

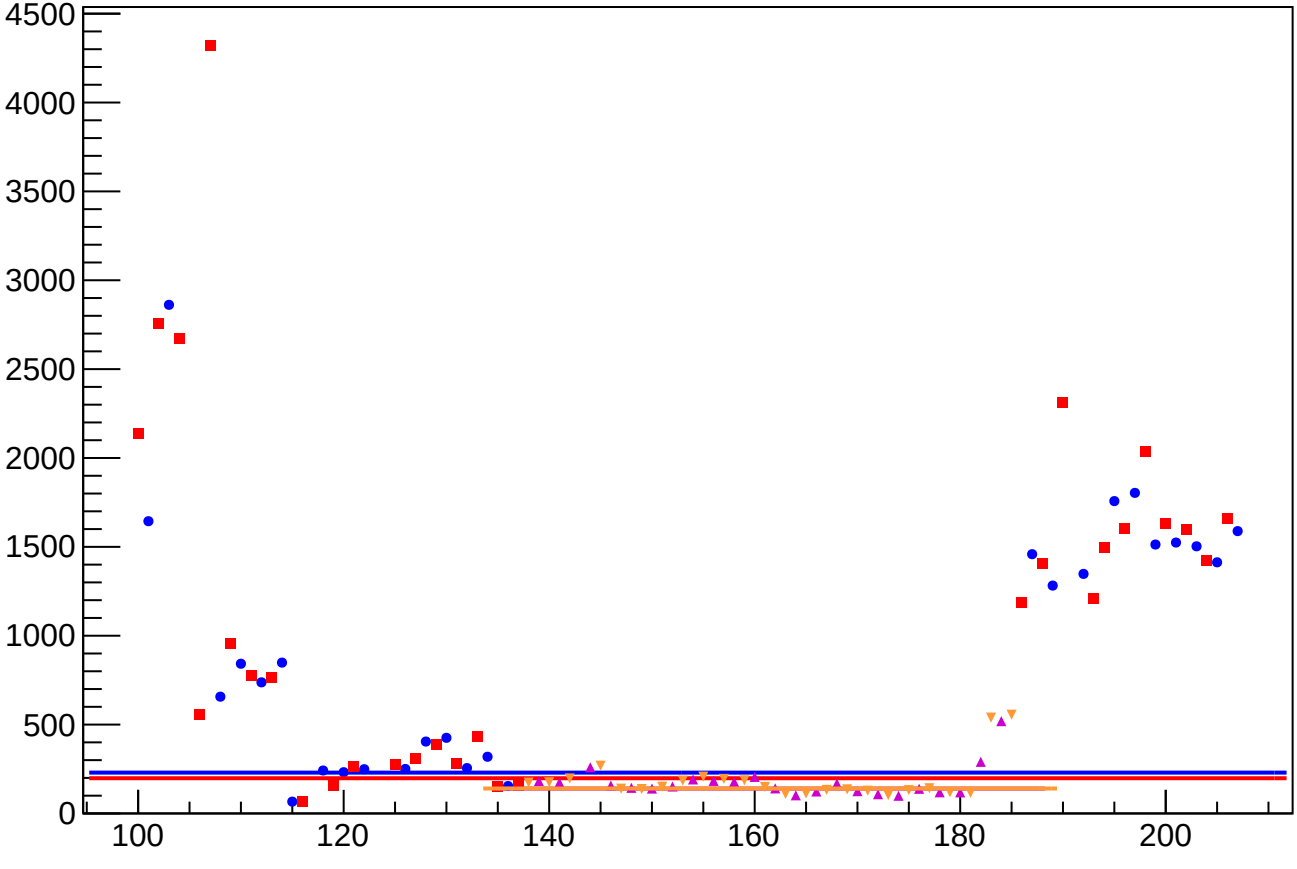
Right: 40.505+/-62.120 χ^2/NDF: 56.3/54

In: 54.992+/-32.022 χ^2/NDF:47.3/48

Out: -116.474+/-31.613 χ^2/NDF:83.9/52

All: -31.845+/-22.497 χ^2/NDF: 145.8/101

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 229.758+/-0.064 χ^2/NDF: 16950048.3/25

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

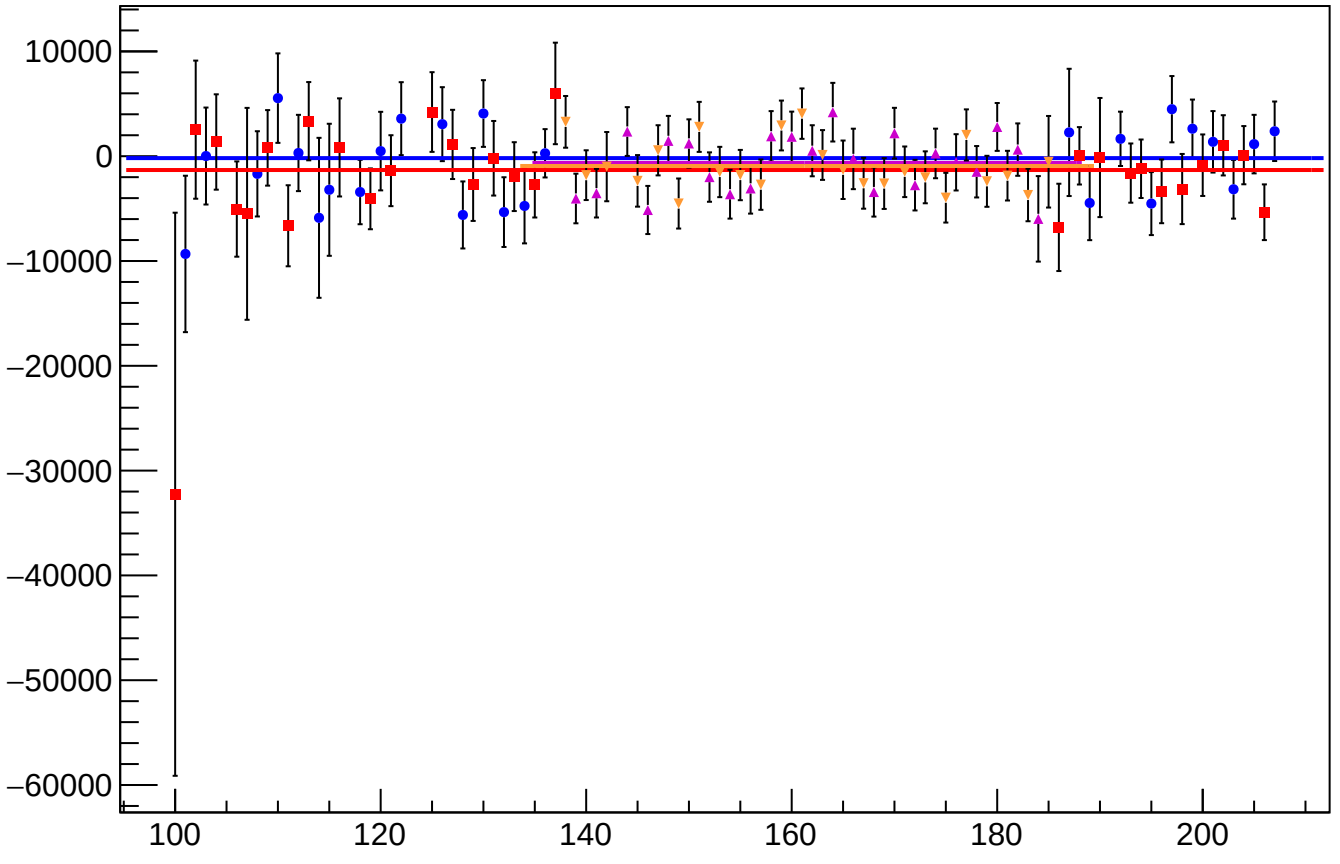
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 212.860+/-0.044 χ^2/NDF: 37566658.0/54

In: 151.069+/-0.023 χ^2/NDF:21064678.0/48

Out: 148.338+/-0.022 χ^2/NDF:24048209.3/52

All: 149.686+/-0.016 χ^2/NDF: 45120256.4/10



Right In: -181.774+/-661.880 χ^2/NDF: 26.0/25

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

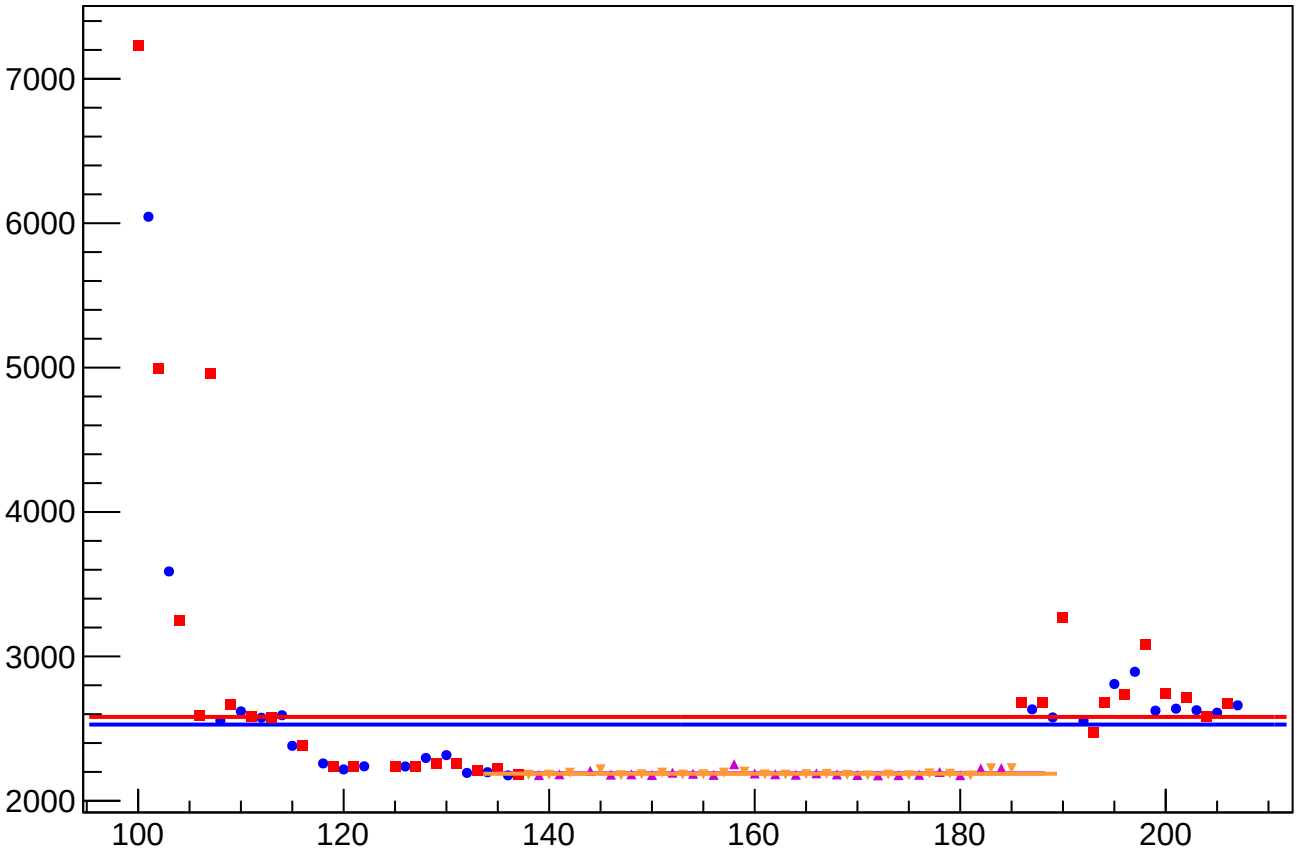
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -757.276+/-465.055 χ^2/NDF: 46.7/54

In: -470.454+/-404.665 χ^2/NDF:53.3/48

Out: -1077.432+/-400.951 χ^2/NDF:41.8/52

All: -776.741+/-284.819 χ^2/NDF: 96.3/101



Right In: 2527.999+/-0.468 χ^2/NDF: 770530.8/25

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

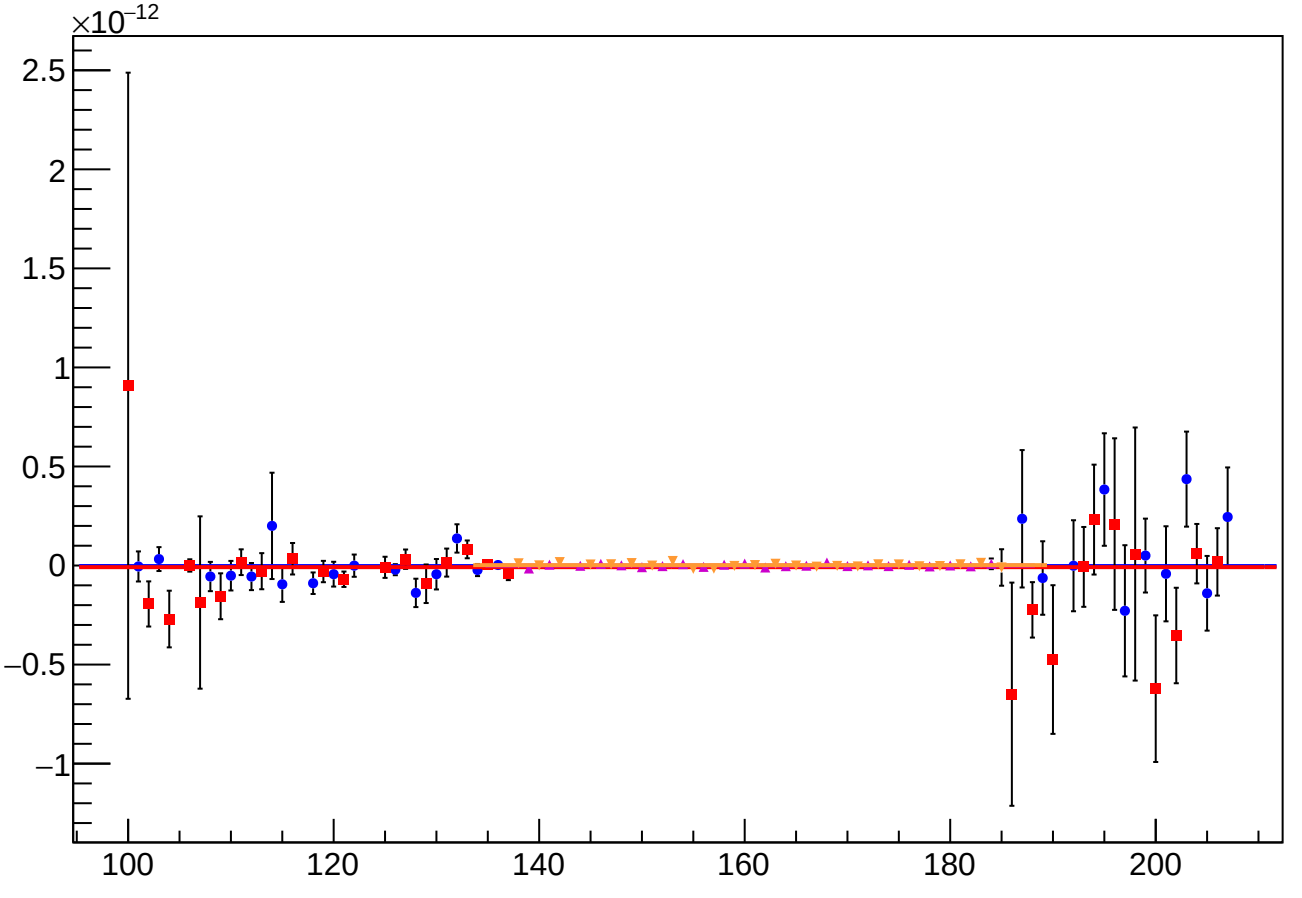
Right: 2554.768+/-0.329 χ^2/NDF: 1551368.9/54

In: 2316.444+/-0.286 χ^2/NDF:1099360.0/48

Out: 2335.620+/-0.284 χ^2/NDF:1227281.5/52

All: 2326.121+/-0.201 χ^2/NDF: 2328907.7/10

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.4/25

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

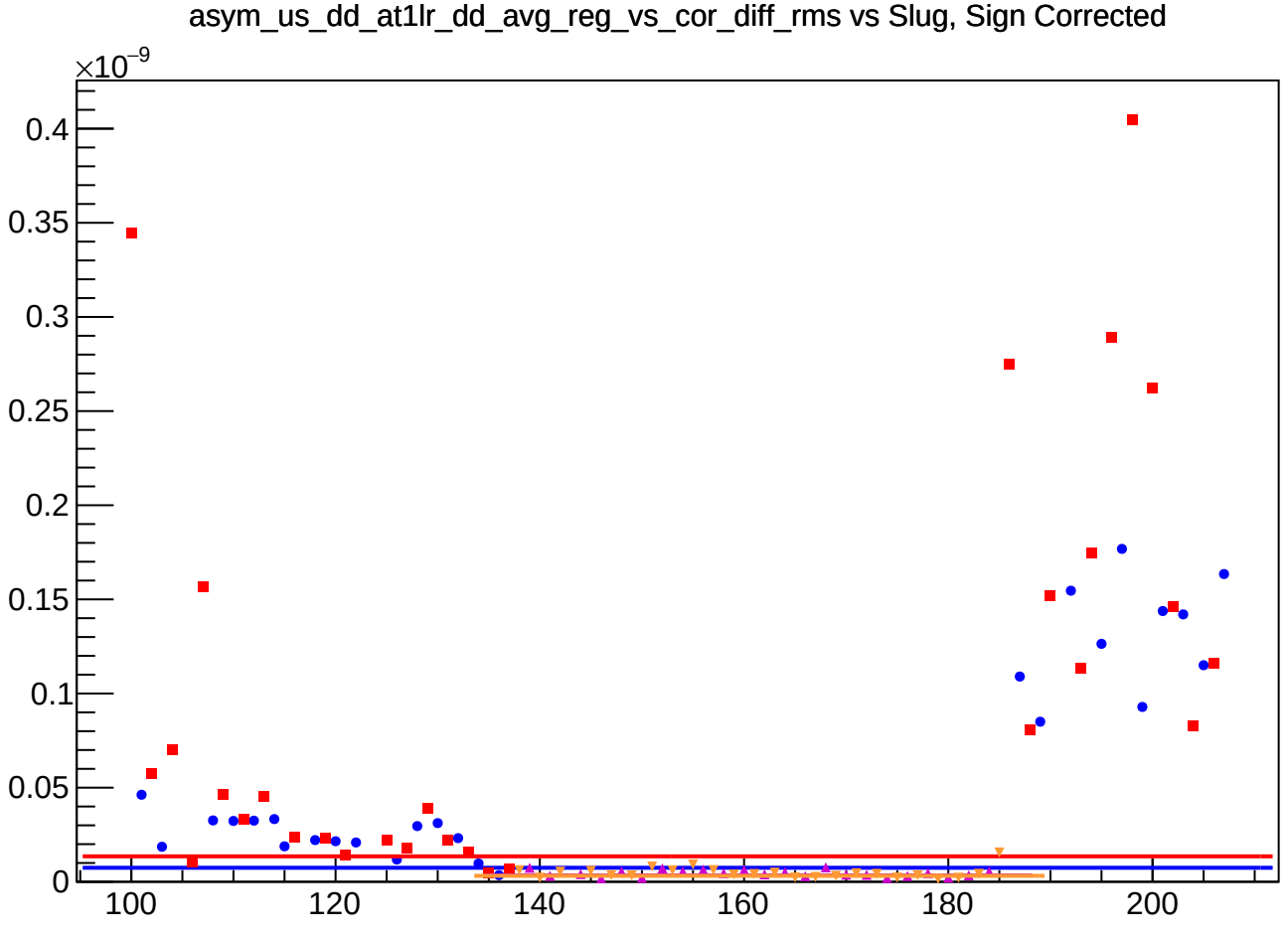
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

Right: -0.000+/-0.000 χ^2/NDF: 53.8/54

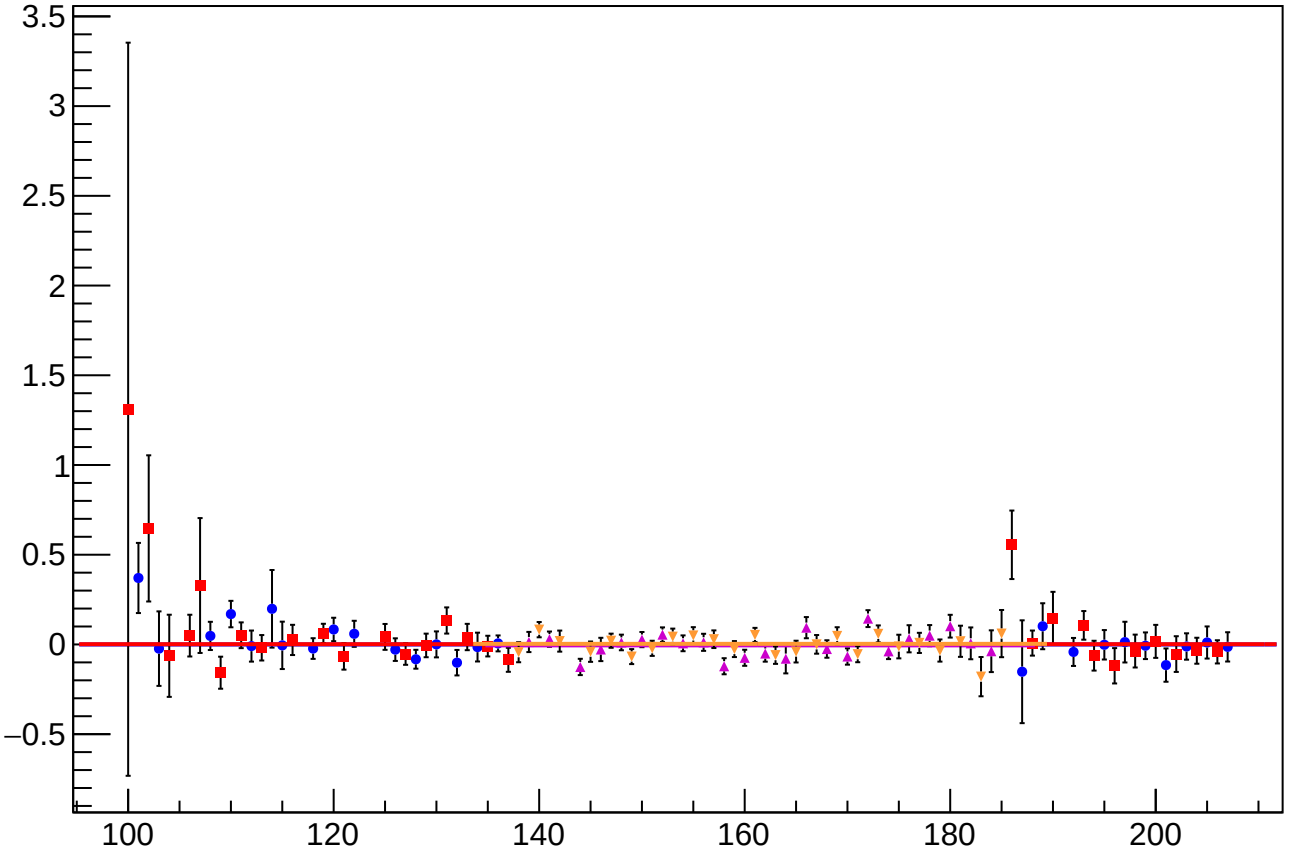
In: -0.000+/-0.000 χ^2/NDF:36.9/48

Out: 0.000+/-0.000 χ^2/NDF:50.7/52

All: 0.000+/-0.000 χ^2/NDF: 88.5/101


asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 8233552.1/25
Left Out: 0.000+/-0.000 χ²/NDF:2065501.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 9347056.5/28
Left In: 0.000+/-0.000 χ²/NDF:1703481.0/22
Left: 0.000+/-0.000 χ²/NDF: 3787444.9/46
Right: 0.000+/-0.000 χ²/NDF: 18136755.5/54
In: 0.000+/-0.000 χ²/NDF:10723801.0/48
Out: 0.000+/-0.000 χ²/NDF:13652869.7/52
All: 0.000+/-0.000 χ²/NDF: 24399025.2/101

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 20.2/25

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

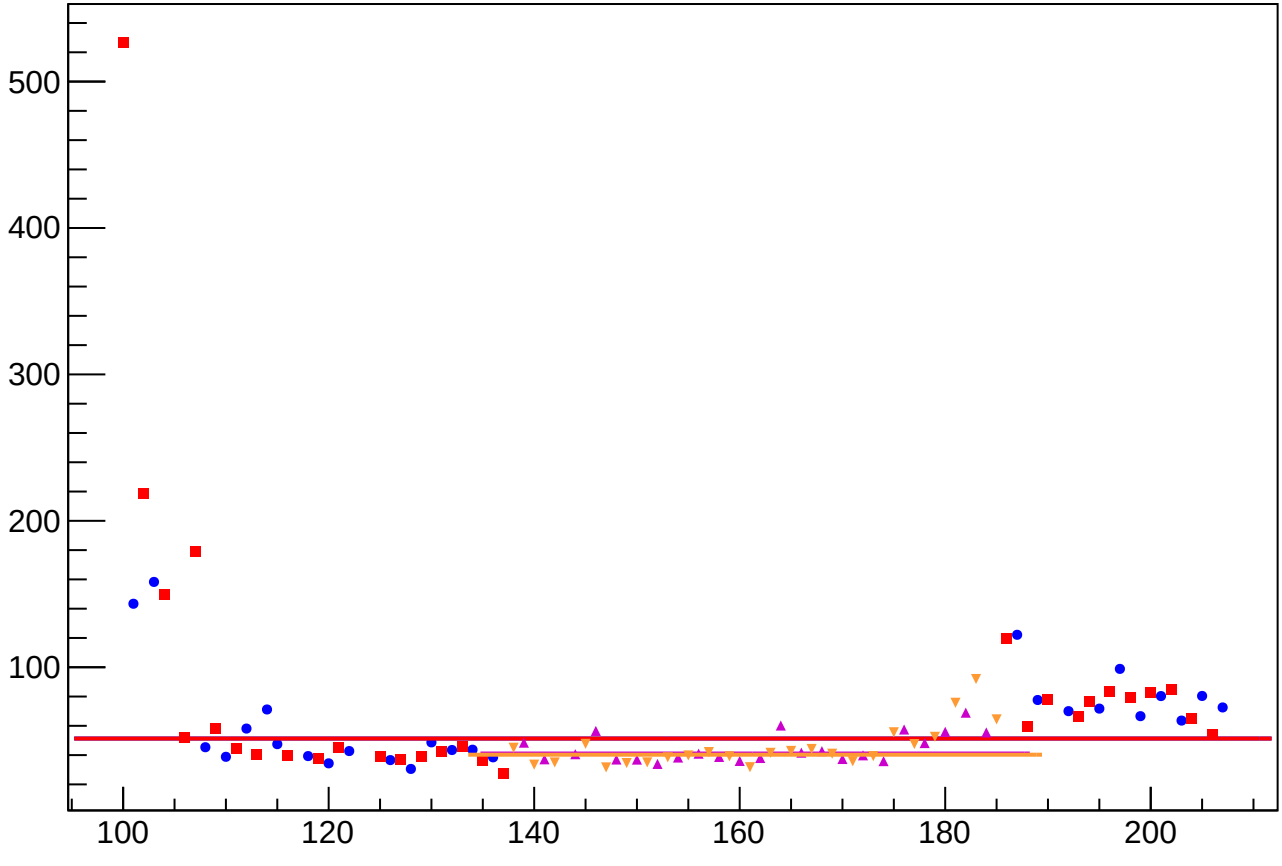
Right: 0.001+/-0.011 χ^2/NDF: 50.9/54

In: -0.004+/-0.009 χ^2/NDF:61.7/48

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.000+/-0.006 χ^2/NDF: 114.5/101

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.329+/-0.011 χ^2/NDF: 3436472.7/25

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

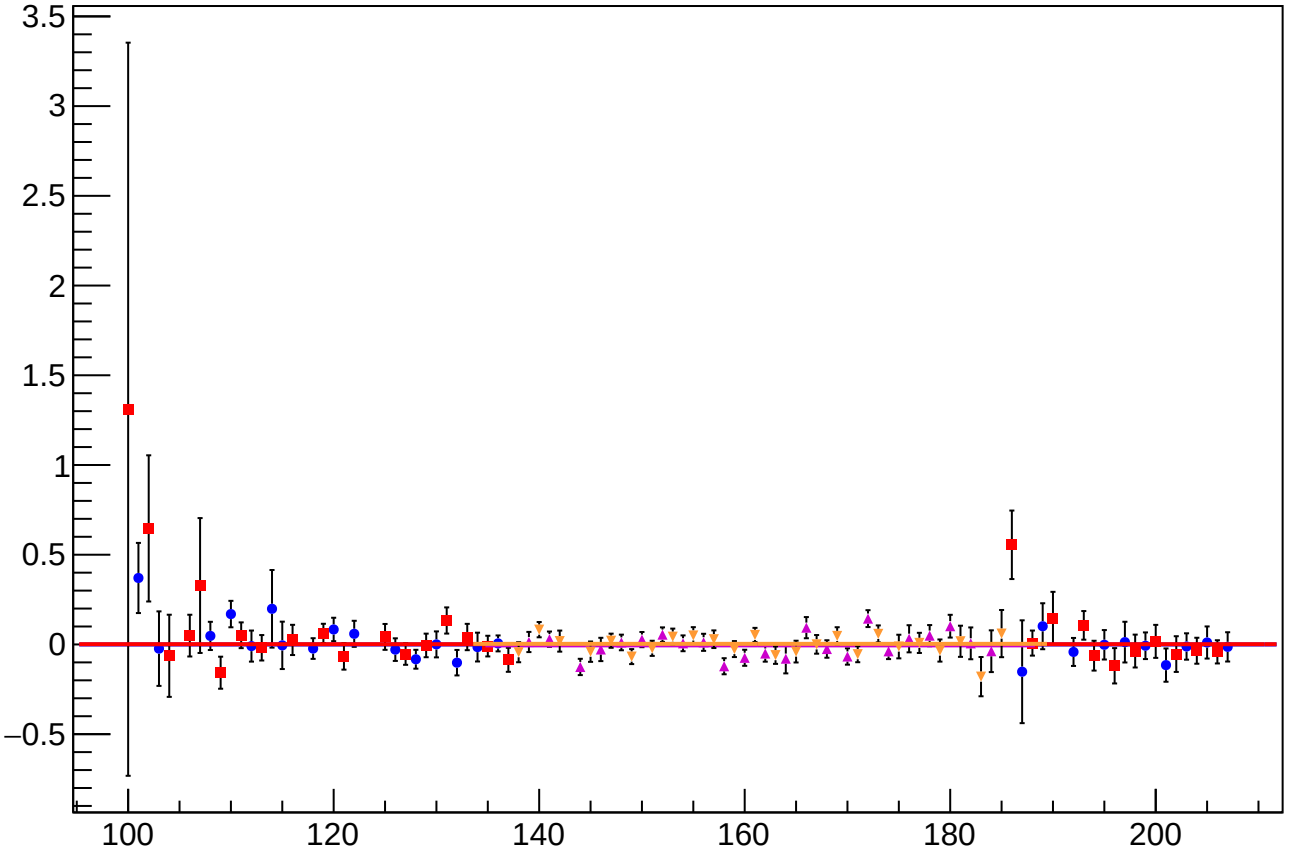
Right: 51.315+/-0.008 χ^2/NDF: 6959048.4/54

In: 44.362+/-0.006 χ^2/NDF:4965907.7/48

Out: 43.789+/-0.006 χ^2/NDF:5731908.3/52

All: 44.071+/-0.004 χ^2/NDF: 10702221.1/101

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 20.2/25

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

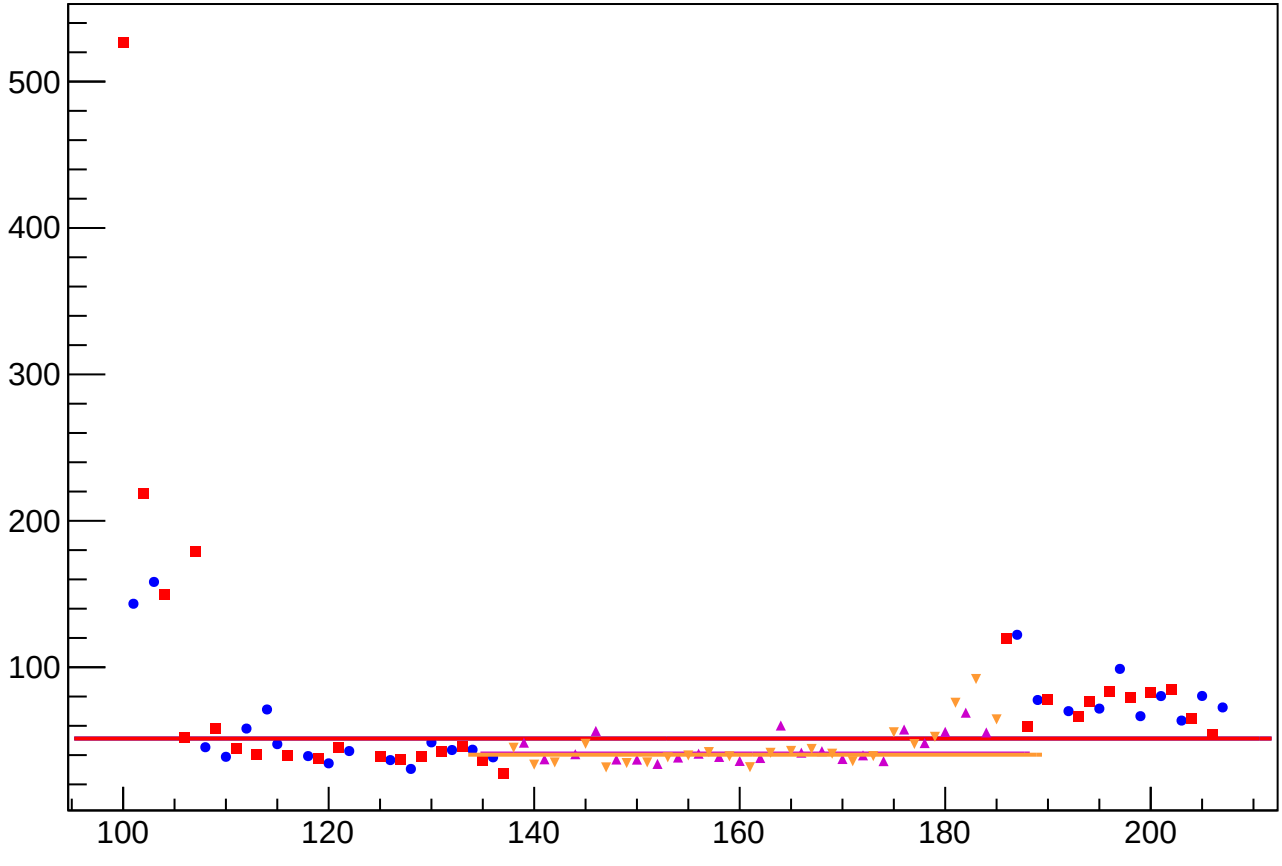
Right: 0.001+/-0.011 χ^2/NDF: 50.9/54

In: -0.004+/-0.009 χ^2/NDF:61.7/48

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.000+/-0.006 χ^2/NDF: 114.5/101

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.329+/-0.011 χ^2/NDF: 3436472.7/25

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

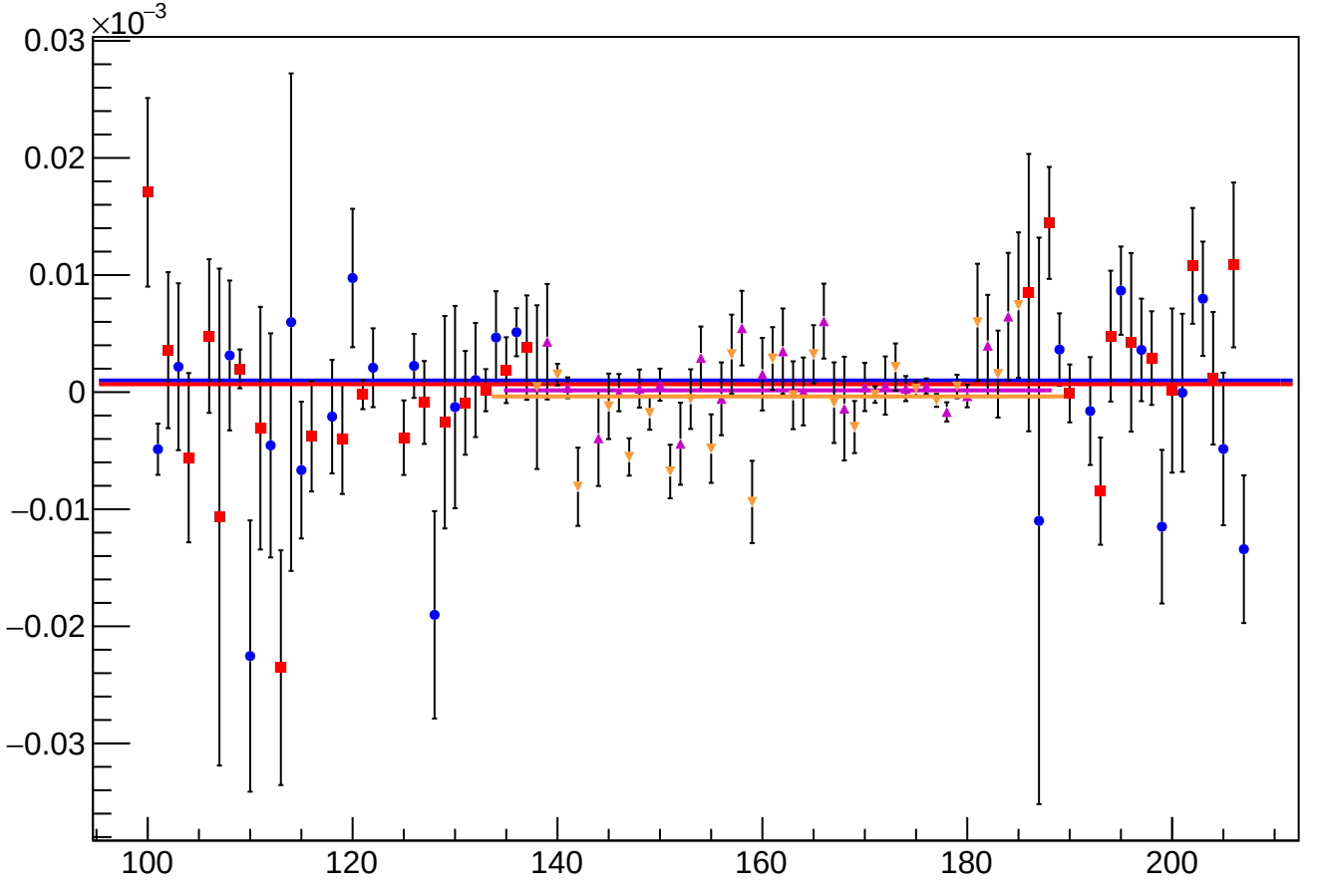
Right: 51.315+/-0.008 χ^2/NDF: 6959048.4/54

In: 44.362+/-0.006 χ^2/NDF:4965907.7/48

Out: 43.789+/-0.006 χ^2/NDF:5731908.3/52

All: 44.071+/-0.004 χ^2/NDF: 10702221.1/101

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: 44.1/25

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

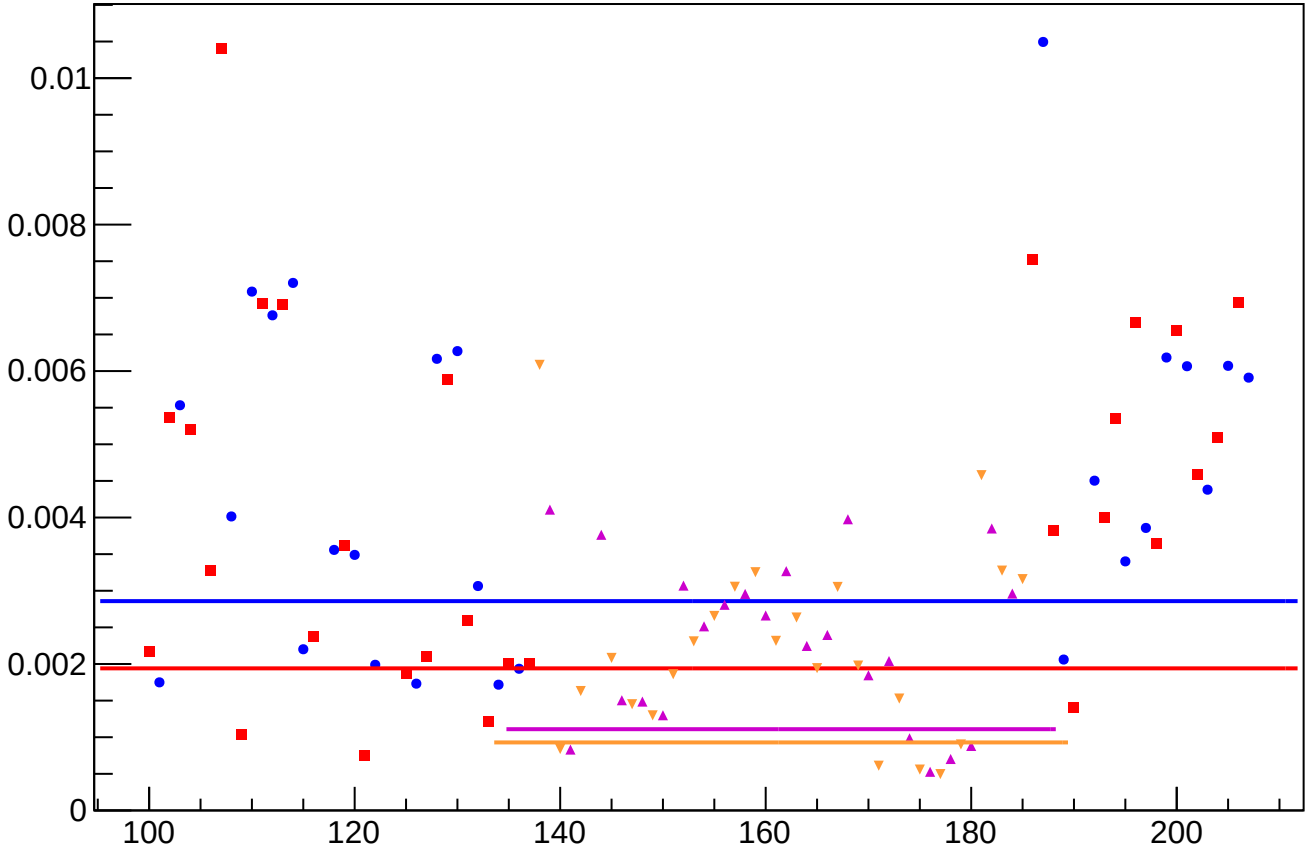
Right: 0.000+/-0.000 χ^2/NDF: 82.4/54

In: 0.000+/-0.000 χ^2/NDF:64.8/48

Out: -0.000+/-0.000 χ^2/NDF:91.6/52

All: -0.000+/-0.000 χ^2/NDF: 157.8/101

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: 6122976.4/25

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

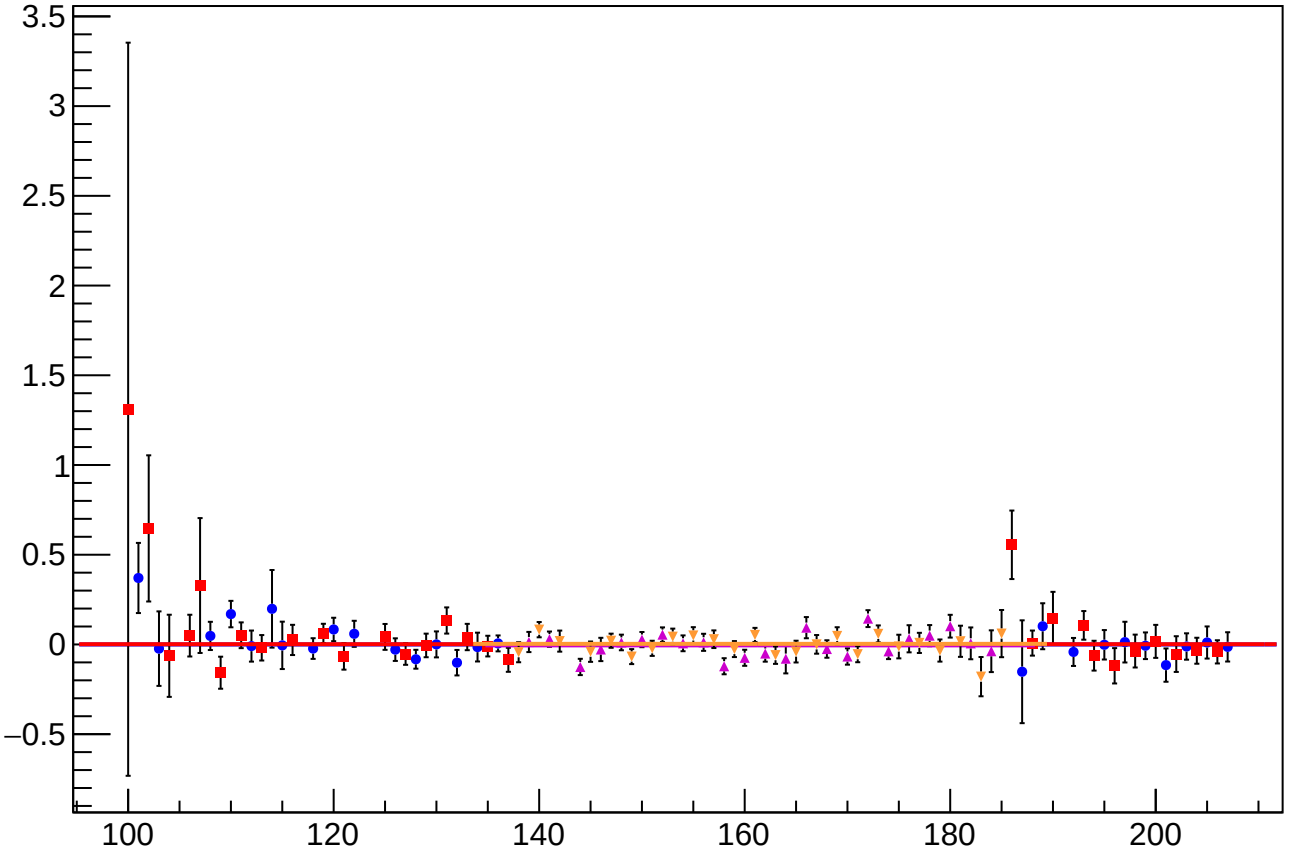
Right: 0.002+/-0.000 χ^2/NDF: 19516279.9/54

In: 0.001+/-0.000 χ^2/NDF:24440713.0/48

Out: 0.001+/-0.000 χ^2/NDF:28638762.5/52

All: 0.001+/-0.000 χ^2/NDF: 53805607.0/101

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 20.2/25

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

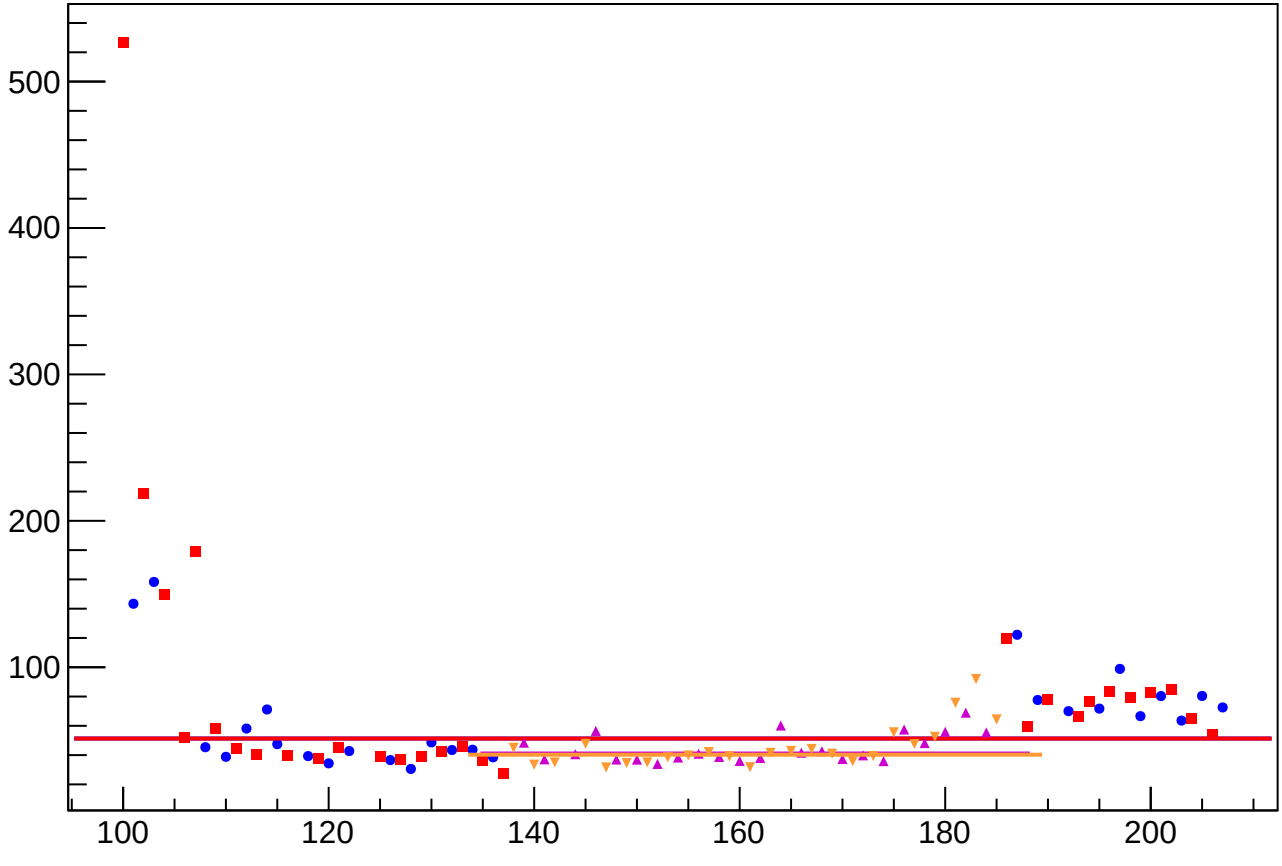
Right: 0.001+/-0.011 χ^2/NDF: 50.9/54

In: -0.004+/-0.009 χ^2/NDF:61.7/48

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.000+/-0.006 χ^2/NDF: 114.5/101

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.327+/-0.011 χ^2/NDF: 3437033.1/25

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

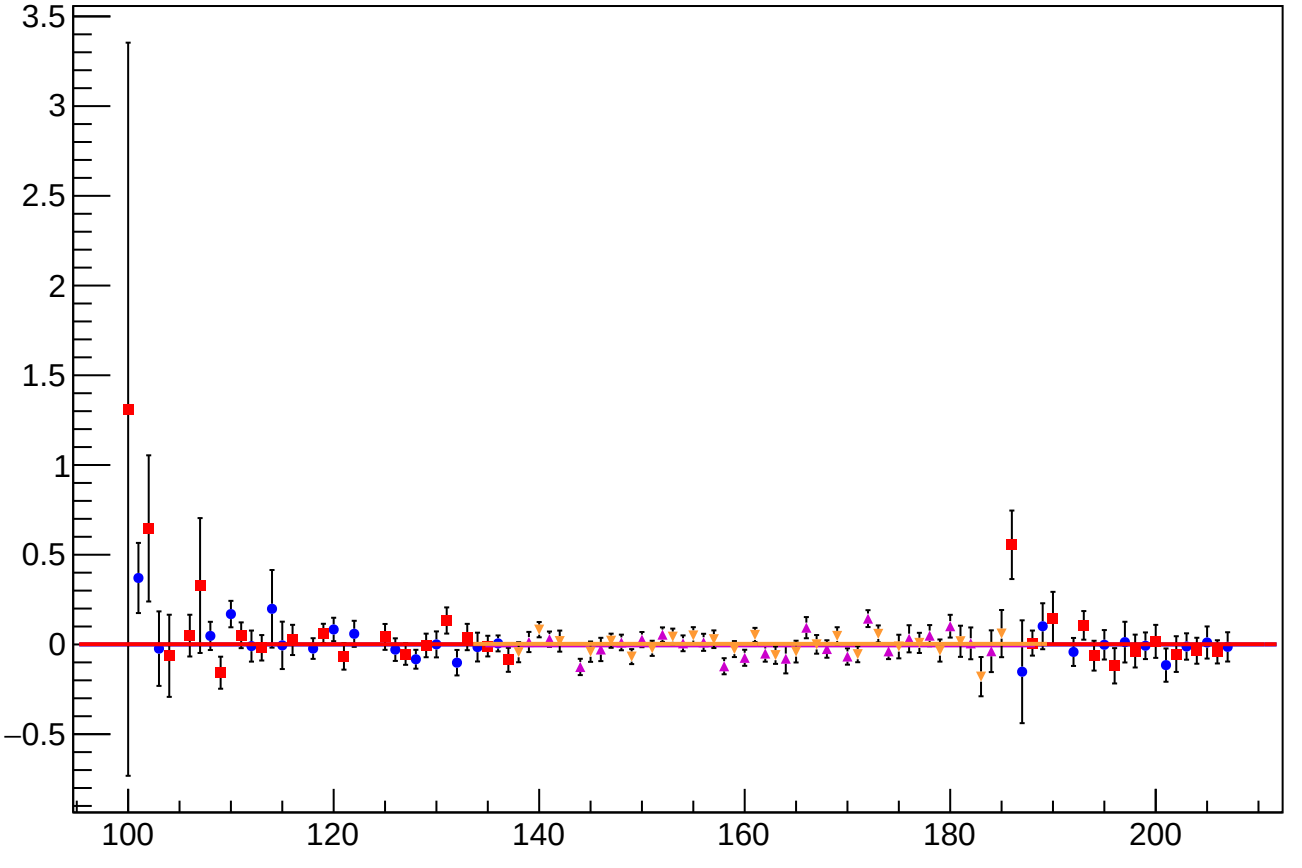
Right: 51.315+/-0.008 χ^2/NDF: 6959576.7/54

In: 44.362+/-0.006 χ^2/NDF:4966269.4/48

Out: 43.790+/-0.006 χ^2/NDF:5731913.0/52

All: 44.071+/-0.004 χ^2/NDF: 10702575.3/101

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.015 χ^2/NDF: 20.2/25

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

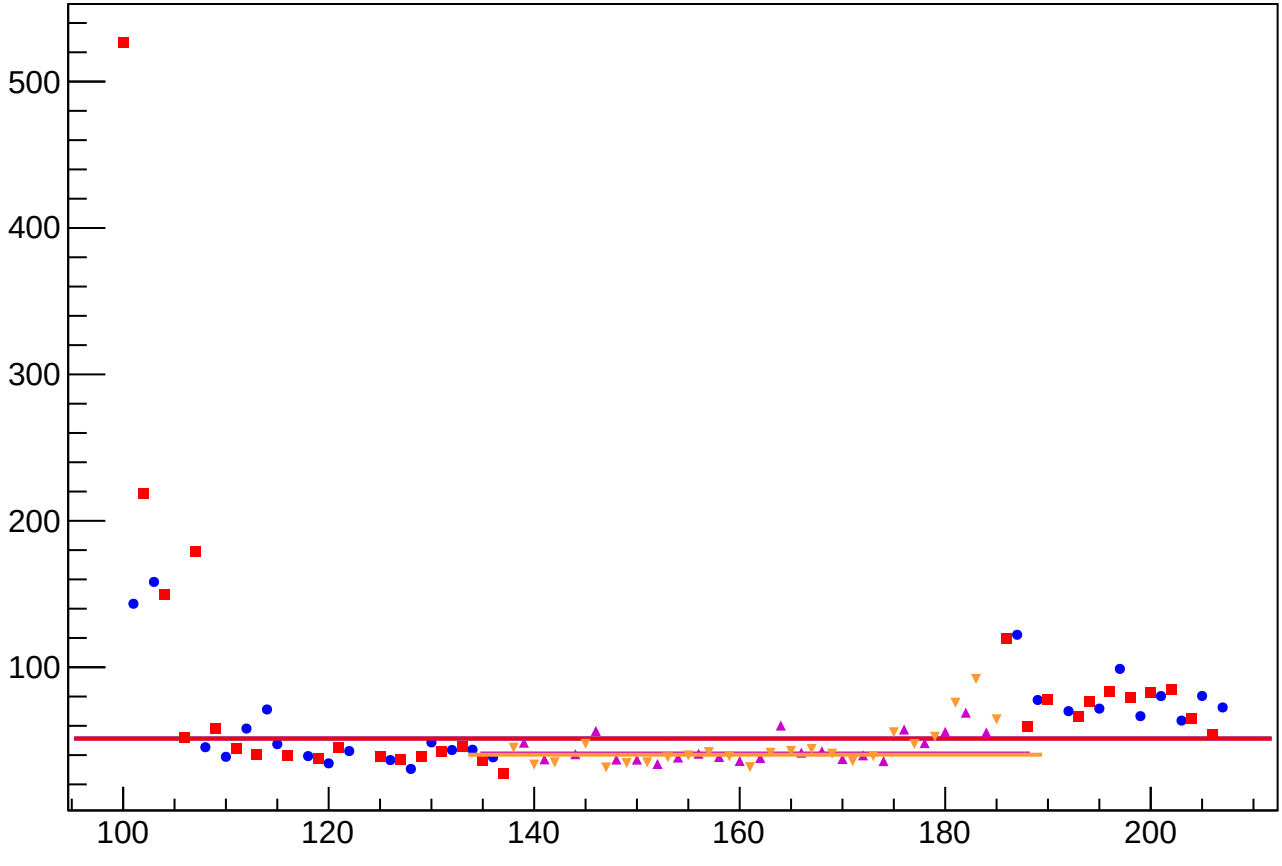
Right: 0.001+/-0.011 χ^2/NDF: 50.9/54

In: -0.004+/-0.009 χ^2/NDF:61.7/48

Out: 0.003+/-0.009 χ^2/NDF:52.6/52

All: -0.000+/-0.006 χ^2/NDF: 114.5/101

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.327+/-0.011 χ^2/NDF: 3437033.1/25

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

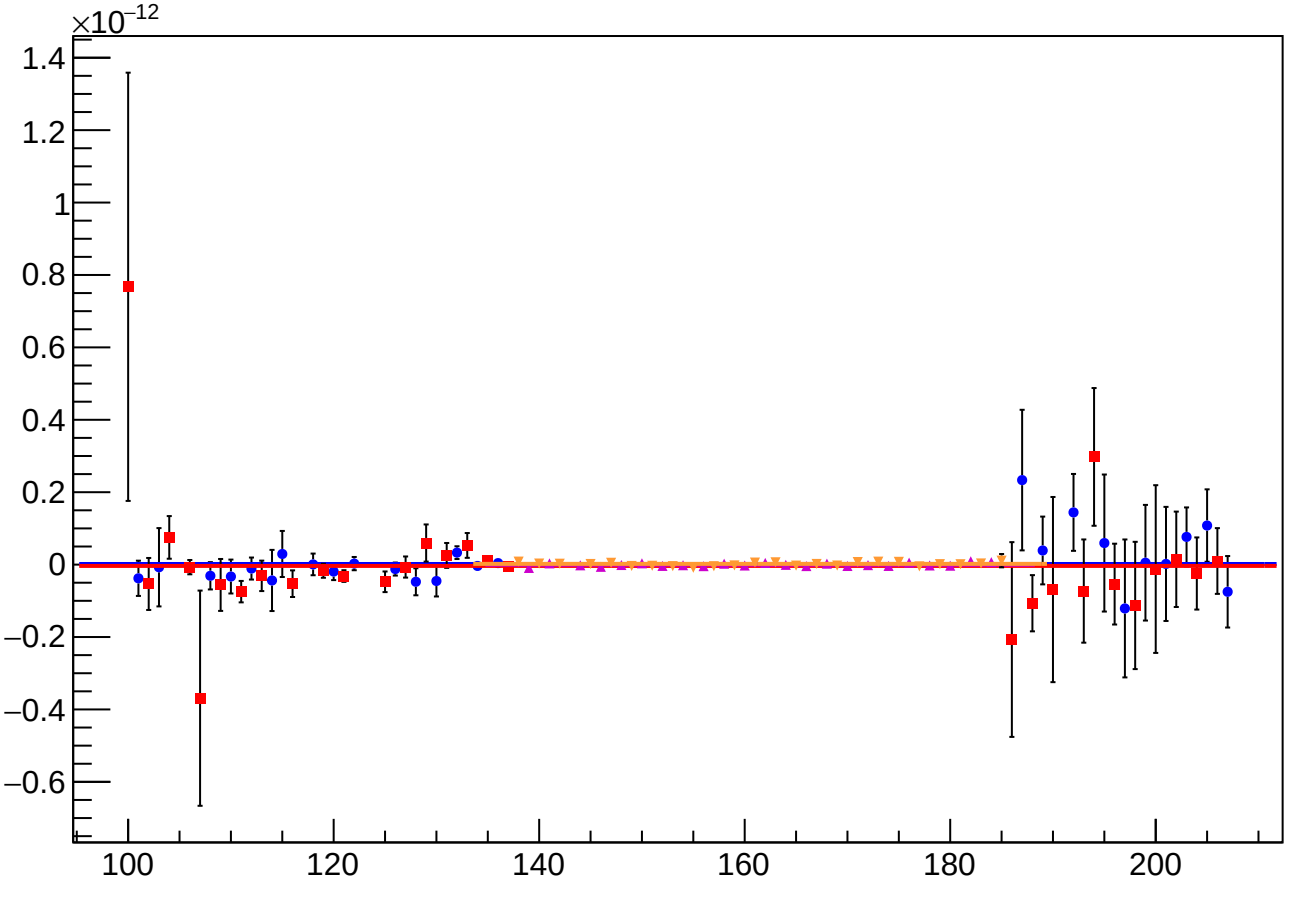
Right: 51.315+/-0.008 χ^2/NDF: 6959576.7/54

In: 44.362+/-0.006 χ^2/NDF:4966269.4/48

Out: 43.790+/-0.006 χ^2/NDF:5731913.0/52

All: 44.071+/-0.004 χ^2/NDF: 10702575.3/101

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/25

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

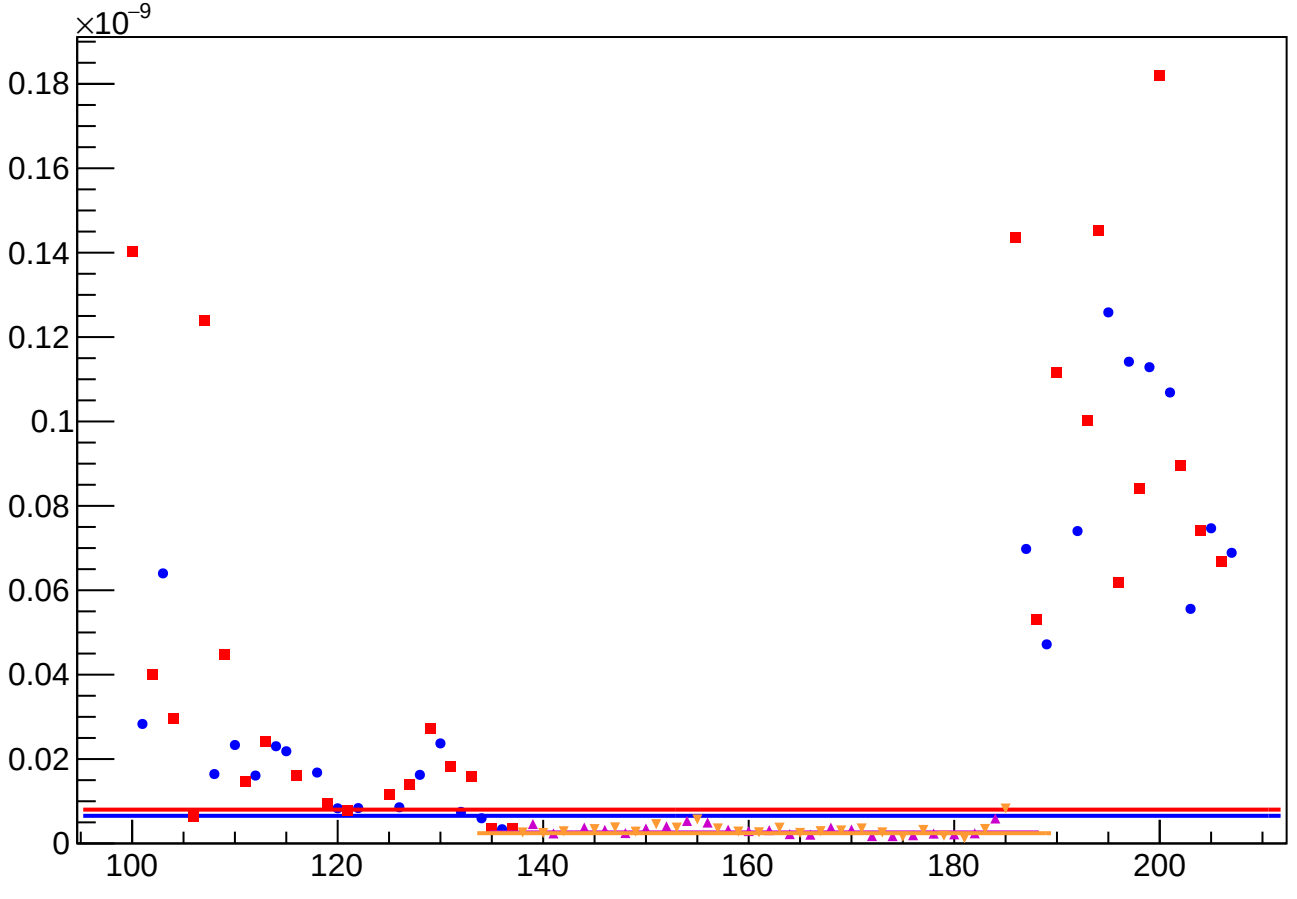
Right: -0.000+/-0.000 χ^2/NDF: 52.4/54

In: -0.000+/-0.000 χ^2/NDF:40.4/48

Out: 0.000+/-0.000 χ^2/NDF:61.2/52

All: 0.000+/-0.000 χ^2/NDF: 104.8/101

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: 10343211.1/25

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

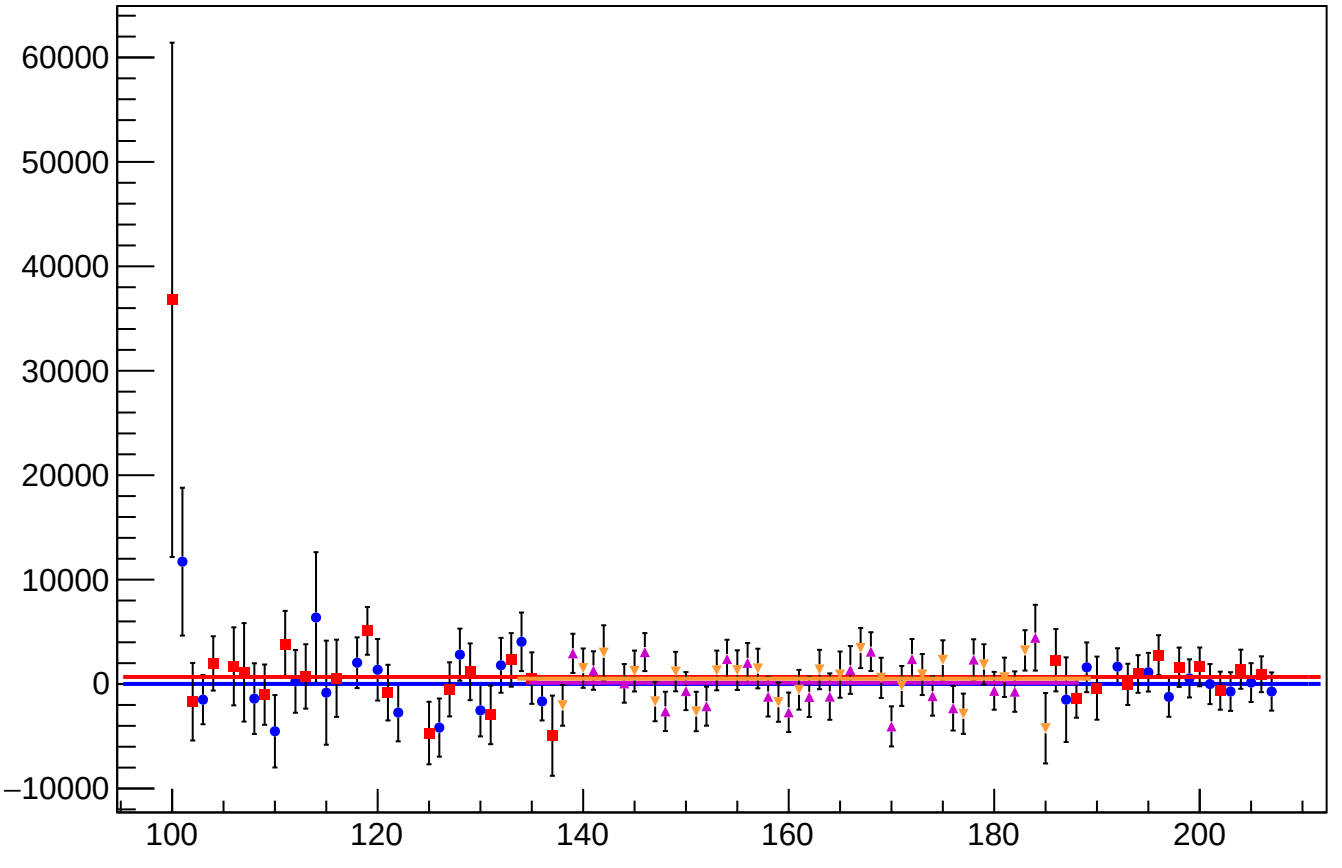
Left: 0.000+/-0.000 χ^2/NDF: 4793027.5/46

Right: 0.000+/-0.000 χ^2/NDF: 22200985.1/54

In: 0.000+/-0.000 χ^2/NDF:14229380.5/48

Out: 0.000+/-0.000 χ^2/NDF:17274224.6/52

All: 0.000+/-0.000 χ^2/NDF: 31568822.1/101



Right In: 13.700+/-467.885 χ^2/NDF: 18.6/25

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

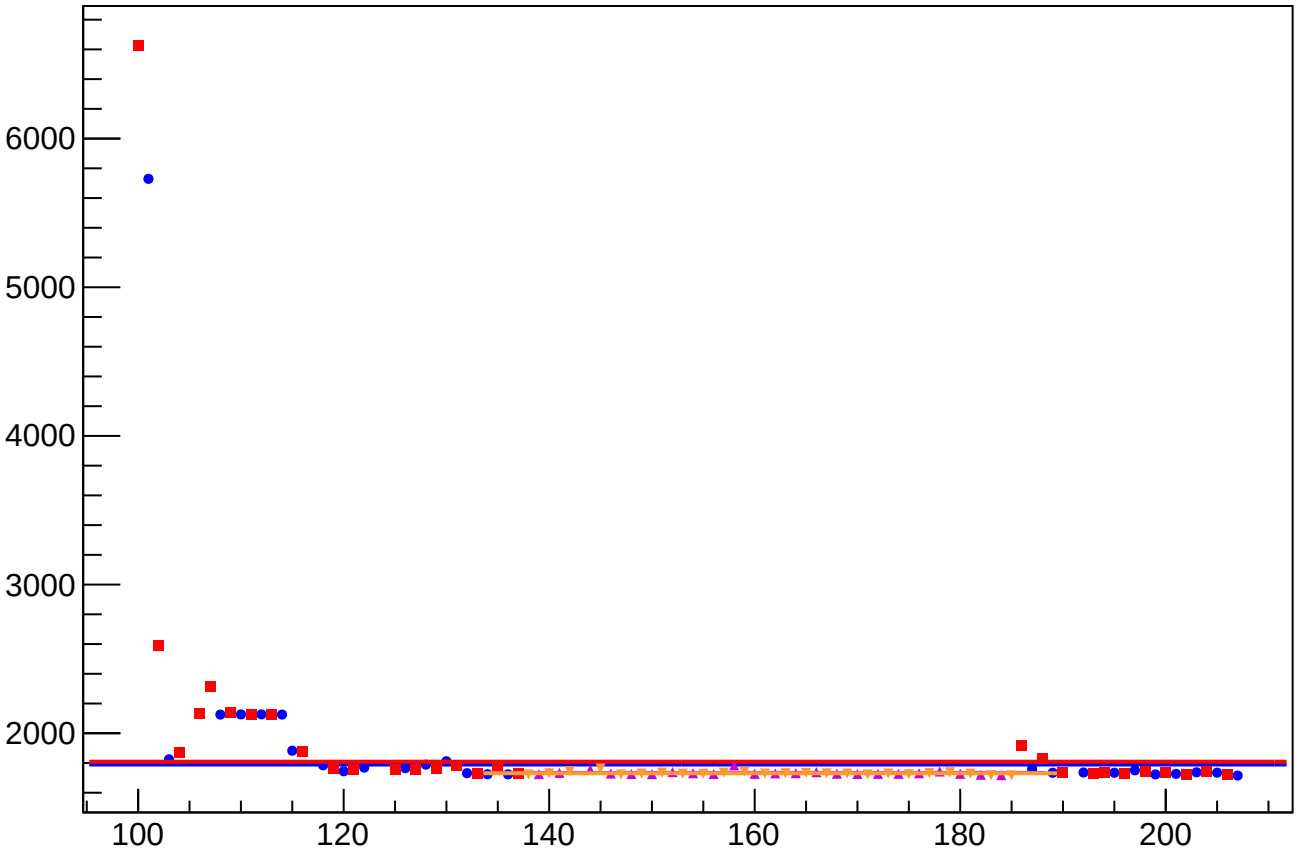
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 355.446+/-326.366 χ^2/NDF: 39.7/54

In: 77.967+/-306.056 χ^2/NDF:48.1/48

Out: 589.654+/-301.272 χ^2/NDF:40.9/52

All: 337.841+/-214.703 χ^2/NDF: 90.5/101



Right In: 1789.795+/-0.331 χ^2/NDF: 713550.7/25

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

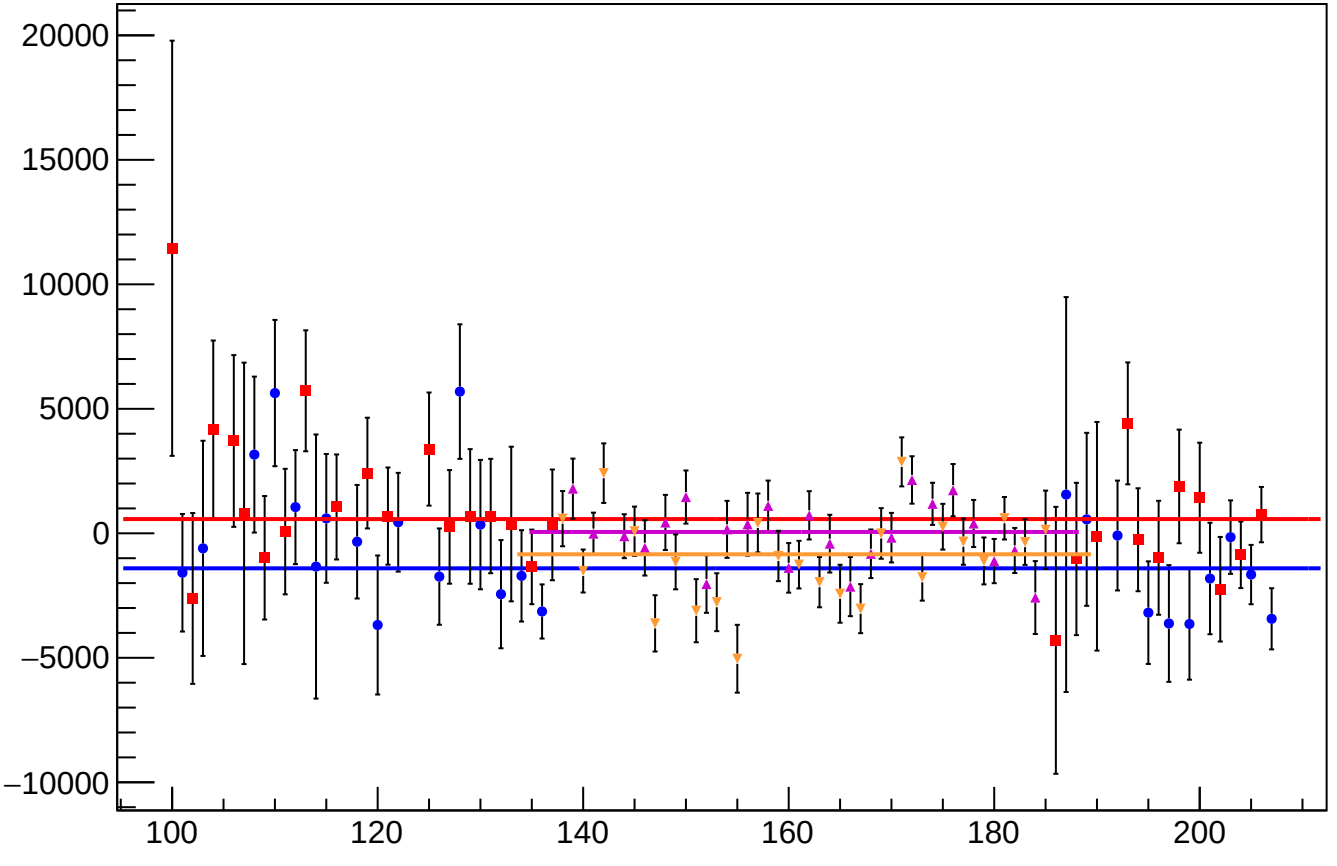
Right: 1799.448+/-0.231 χ^2/NDF: 1026122.3/54

In: 1757.306+/-0.216 χ^2/NDF:732643.9/48

Out: 1764.864+/-0.213 χ^2/NDF:344663.2/52

All: 1761.144+/-0.152 χ^2/NDF: 1077926.7/10

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1406.030+/-399.802 χ^2/NDF: 28.6/25

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

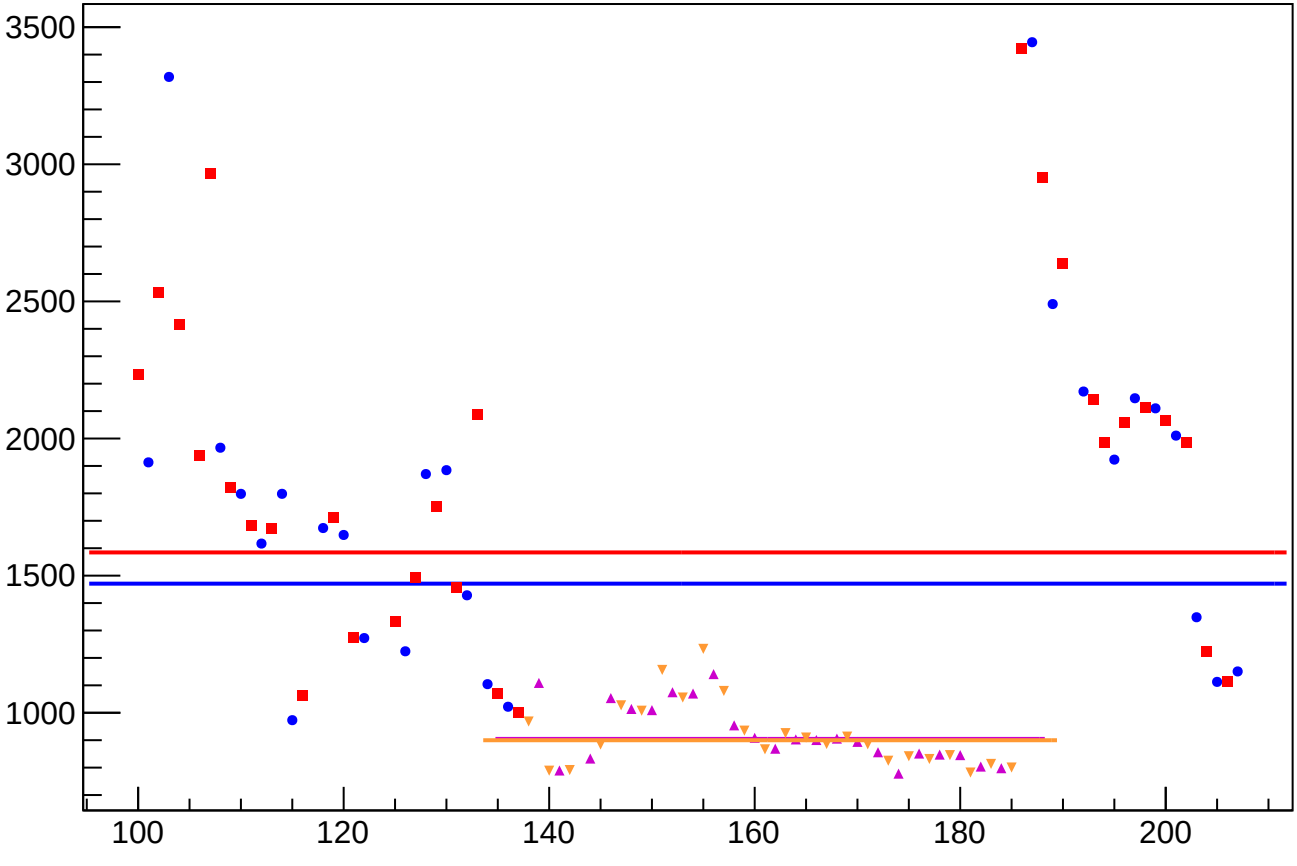
Right: -462.551+/-289.134 χ^2/NDF: 61.2/54

In: -268.785+/-187.962 χ^2/NDF:69.6/48

Out: -556.247+/-188.316 χ^2/NDF:92.8/52

All: -412.246+/-133.034 χ^2/NDF: 163.5/101

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1470.774+/-0.283 χ^2/NDF: 2563521.9/25

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

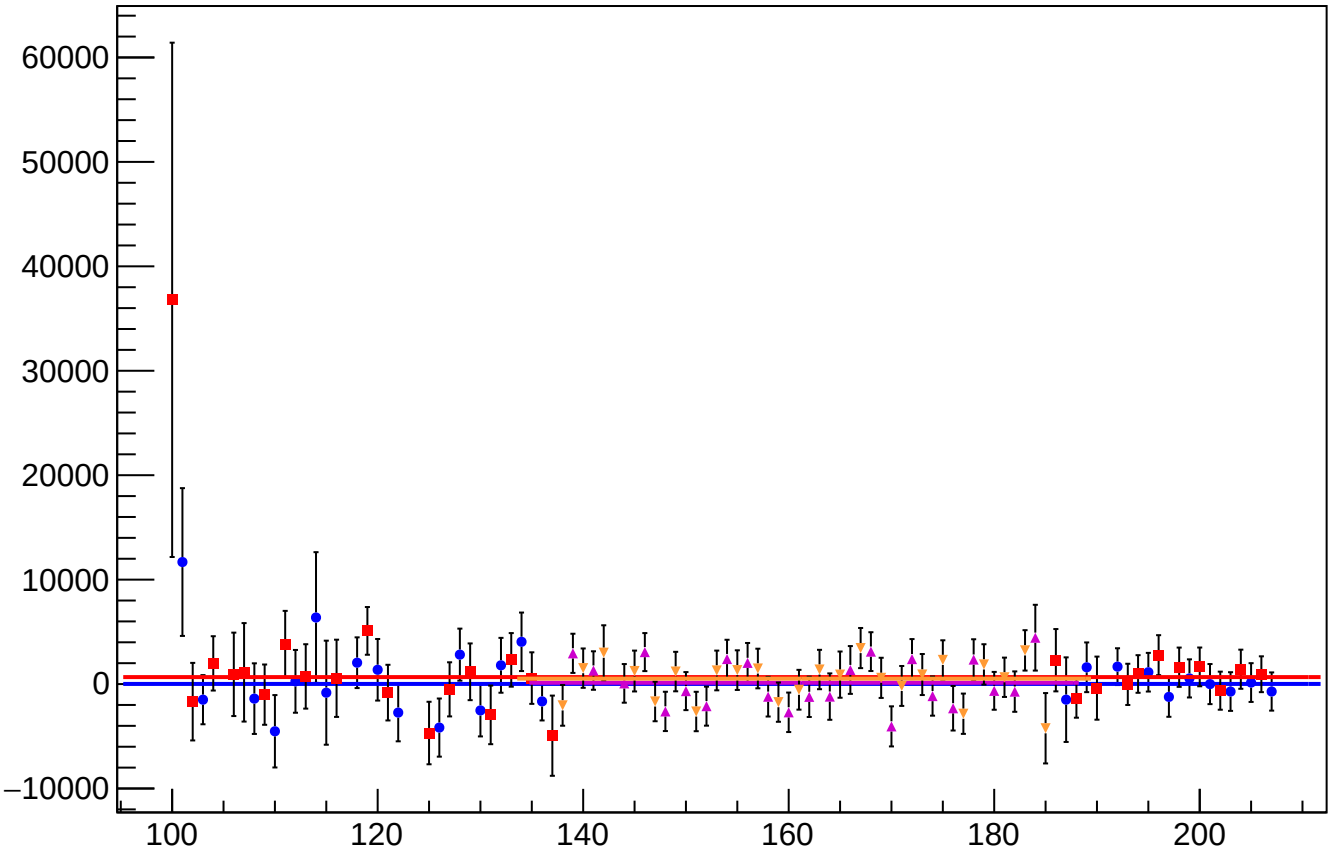
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1525.094+/-0.204 χ^2/NDF: 5491621.8/54

In: 1029.785+/-0.133 χ^2/NDF:6139513.1/48

Out: 1038.384+/-0.133 χ^2/NDF:7615177.6/52

All: 1034.076+/-0.094 χ^2/NDF: 13756779.4/



Right In: 13.361+/-467.885 χ^2/NDF: 18.6/25

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

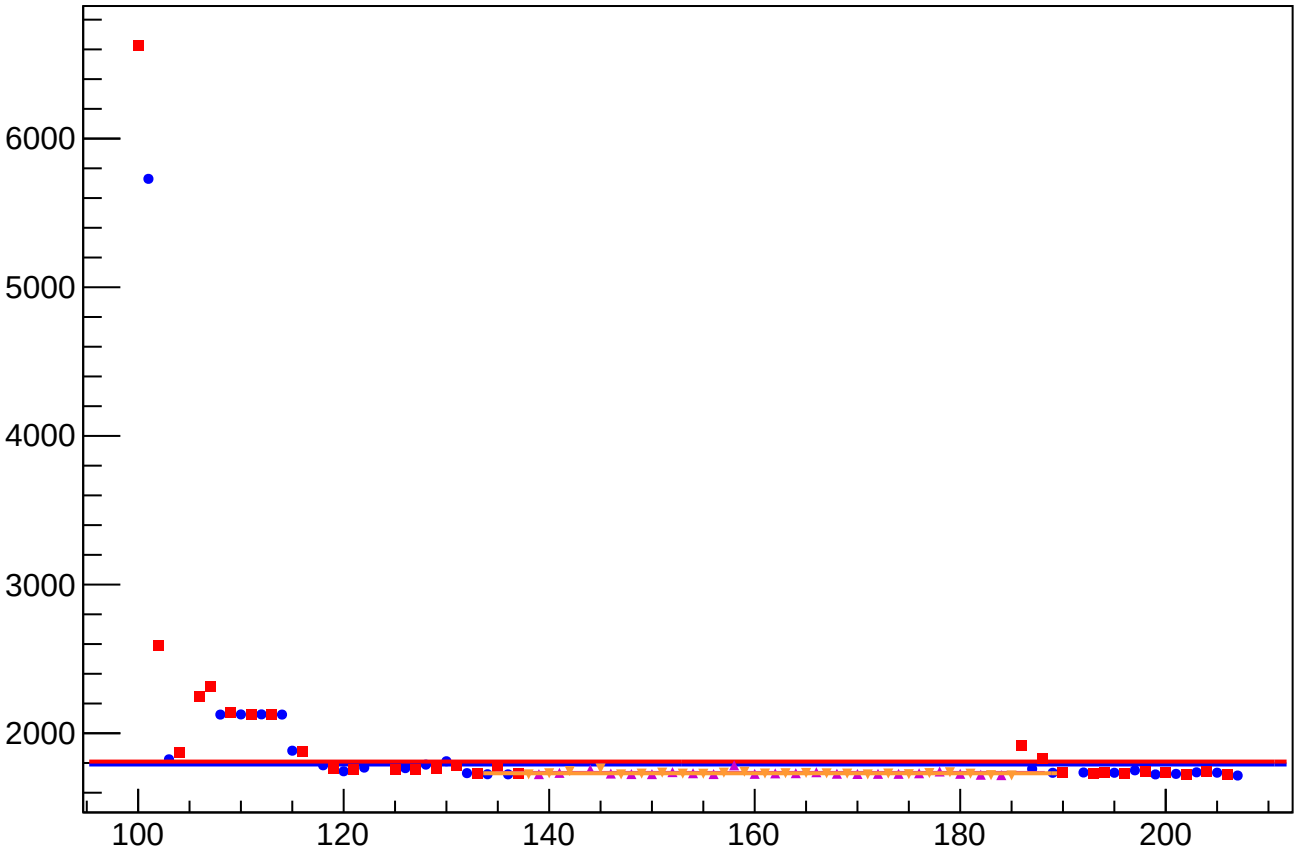
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 348.968+/-326.522 χ^2/NDF: 39.6/54

In: 77.856+/-306.056 χ^2/NDF:48.1/48

Out: 584.482+/-301.395 χ^2/NDF:40.9/52

All: 335.057+/-214.747 χ^2/NDF: 90.3/101



Right In: 1789.795+/-0.331 χ^2/NDF: 713550.6/25

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

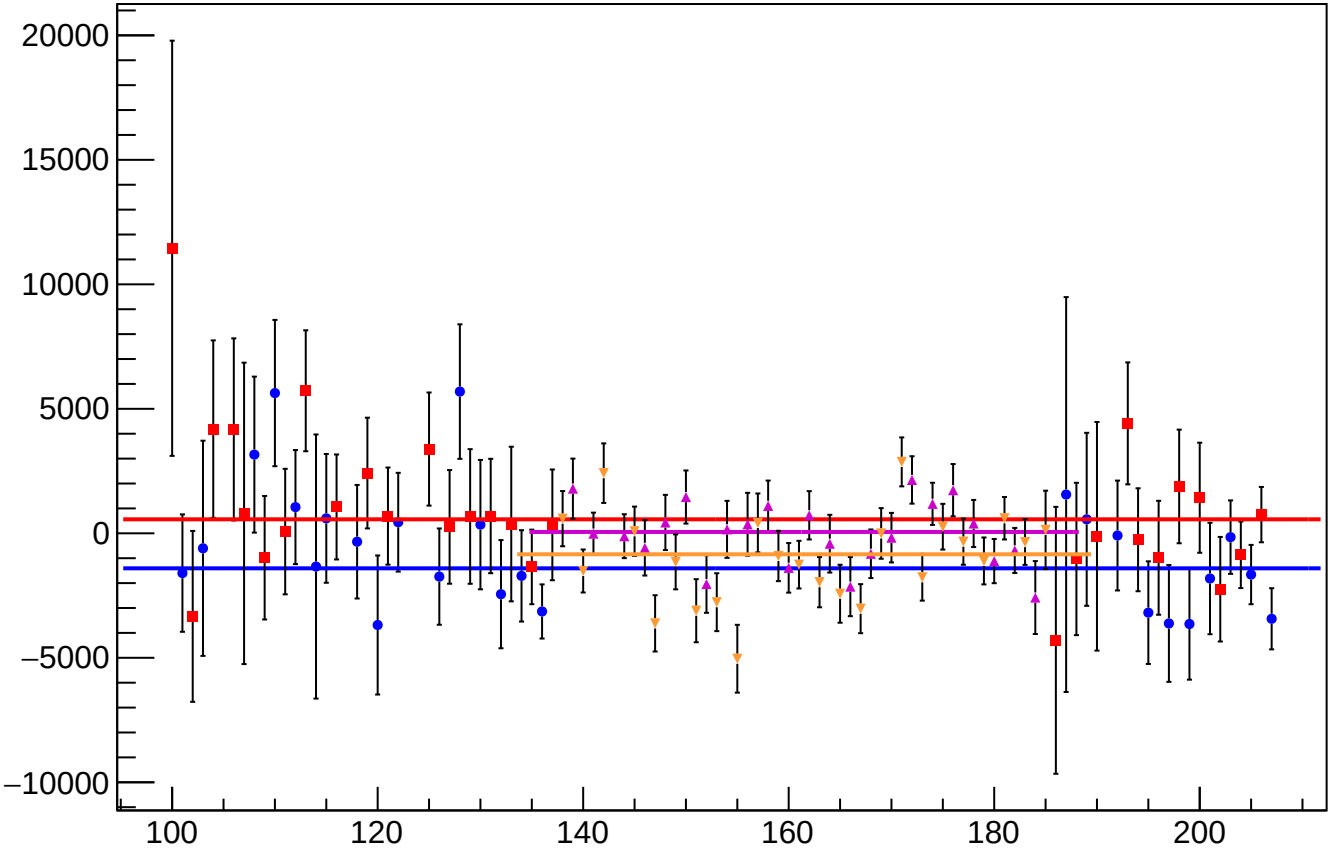
Right: 1799.909+/-0.231 χ^2/NDF: 1035576.7/54

In: 1757.306+/-0.216 χ^2/NDF:732643.7/48

Out: 1765.229+/-0.213 χ^2/NDF:354695.6/52

All: 1761.328+/-0.152 χ^2/NDF: 1088019.8/10

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1406.395+/-399.786 χ^2/NDF: 28.6/25

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

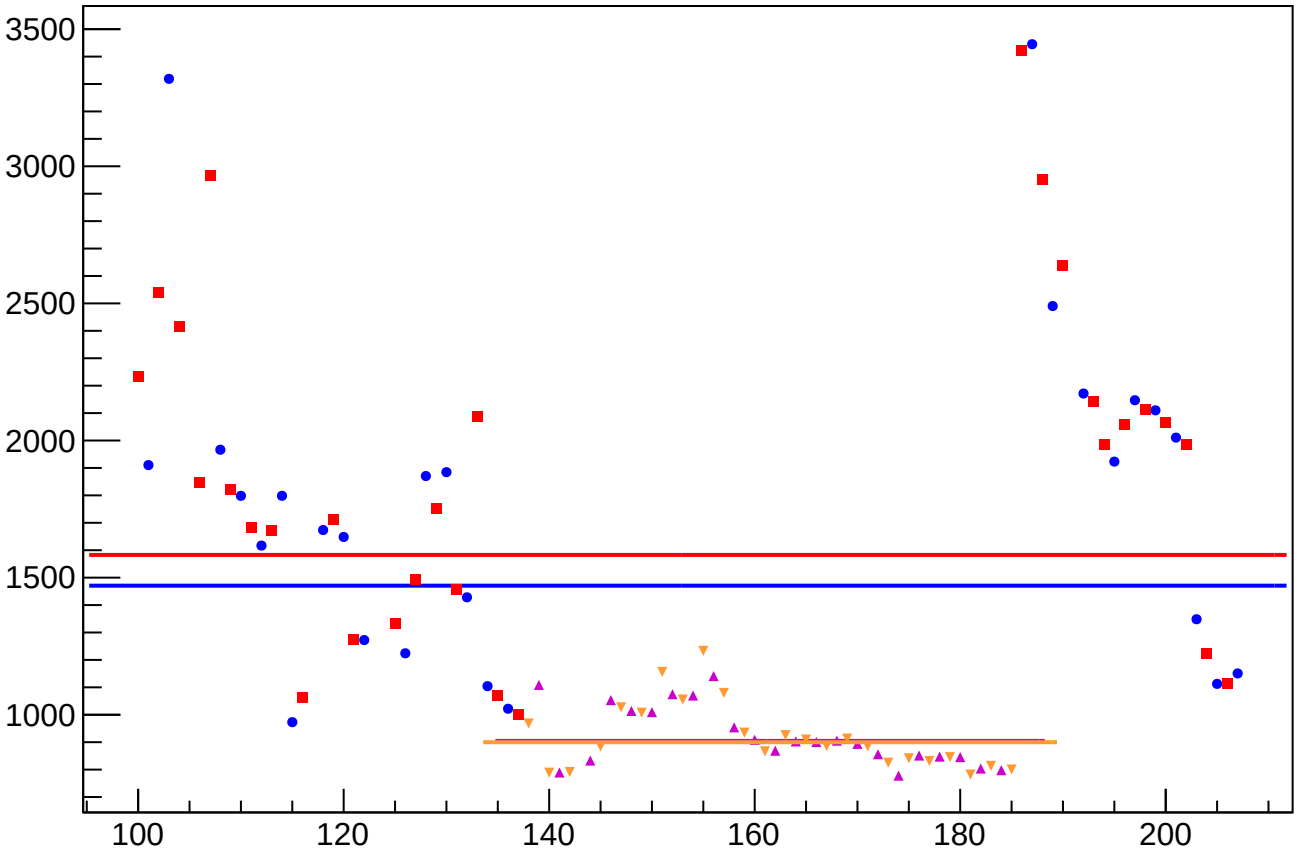
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -468.168+/-289.239 χ^2/NDF: 61.7/54

In: -268.866+/-187.960 χ^2/NDF:69.6/48

Out: -558.590+/-188.347 χ^2/NDF:93.2/52

All: -413.430+/-133.044 χ^2/NDF: 164.0/101



Right In: 1470.733+/-0.283 χ^2/NDF: 2562922.5/25

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

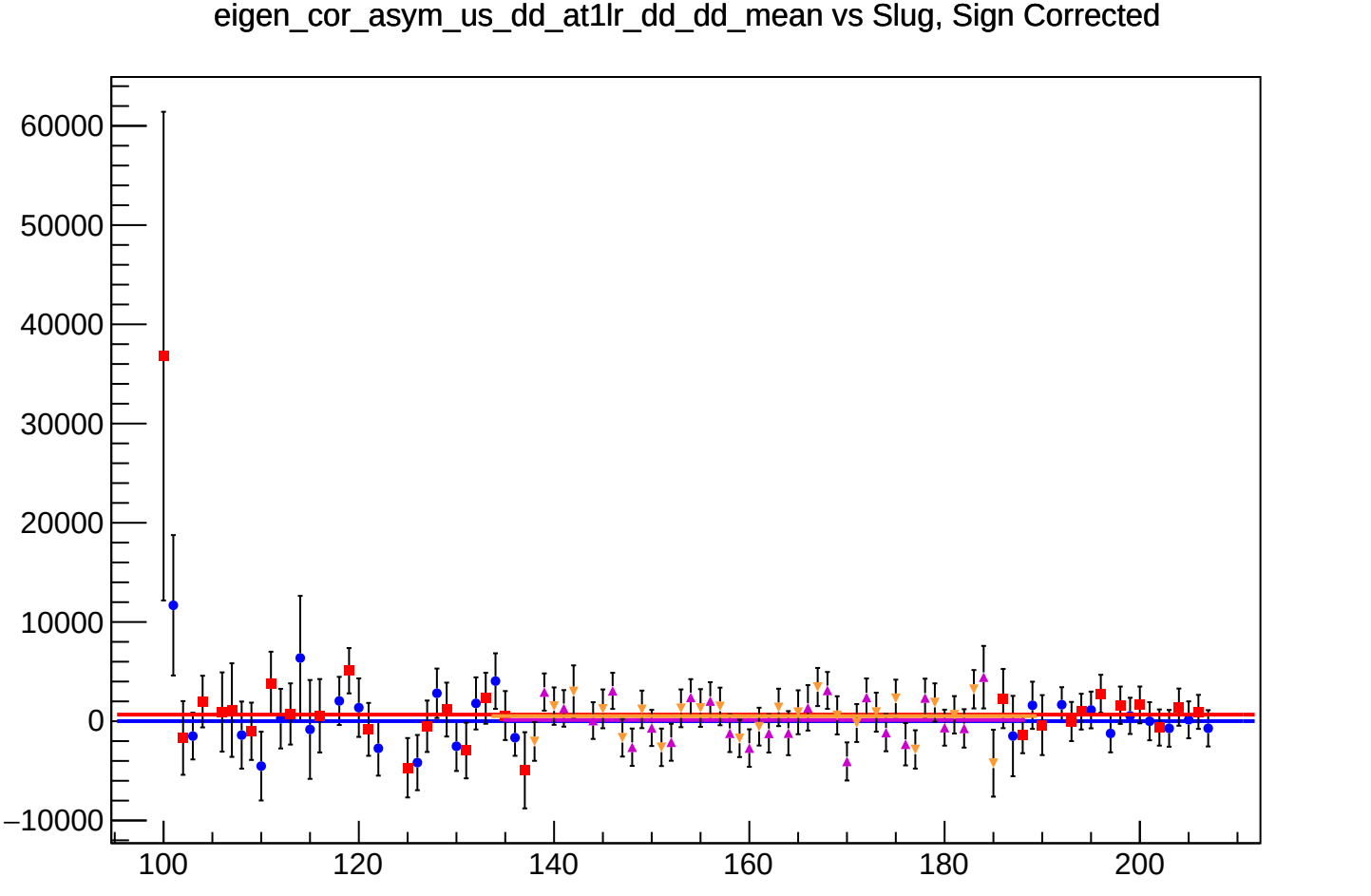
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1524.194+/-0.205 χ^2/NDF: 5479555.6/54

In: 1029.781+/-0.133 χ^2/NDF:6138695.7/48

Out: 1037.856+/-0.133 χ^2/NDF:7578815.4/52

All: 1033.810+/-0.094 χ^2/NDF: 13719353.3/1



Right In: 13.361+/-467.885 χ^2/NDF: 18.6/25

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

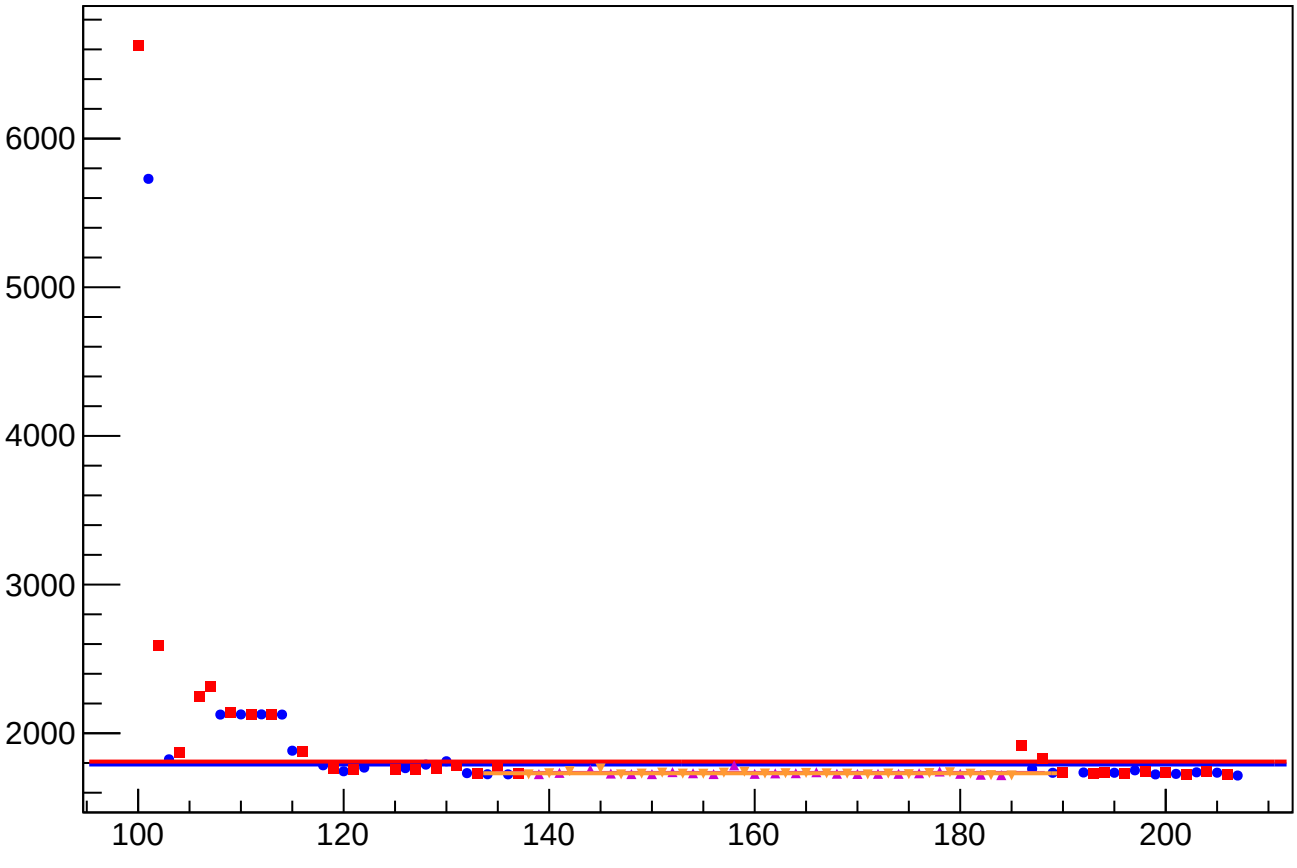
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 348.968+/-326.522 χ^2/NDF: 39.6/54

In: 77.856+/-306.056 χ^2/NDF:48.1/48

Out: 584.482+/-301.395 χ^2/NDF:40.9/52

All: 335.057+/-214.747 χ^2/NDF: 90.3/101



Right In: 1789.795+/-0.331 χ^2/NDF: 713550.6/25

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

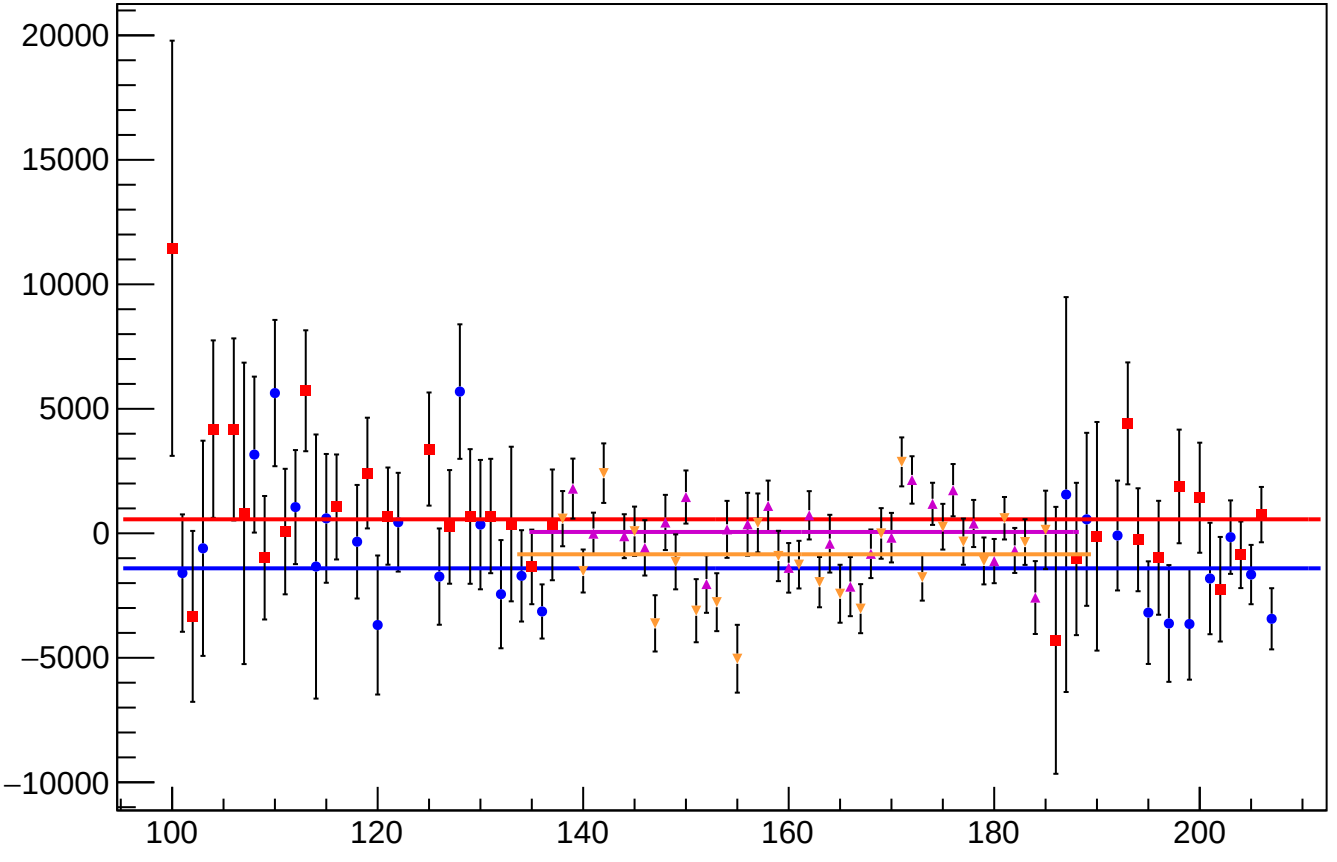
Right: 1799.909+/-0.231 χ^2/NDF: 1035576.7/54

In: 1757.306+/-0.216 χ^2/NDF:732643.7/48

Out: 1765.229+/-0.213 χ^2/NDF:354695.6/52

All: 1761.328+/-0.152 χ^2/NDF: 1088019.8/10

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1406.395+/-399.786 χ^2/NDF: 28.6/25

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

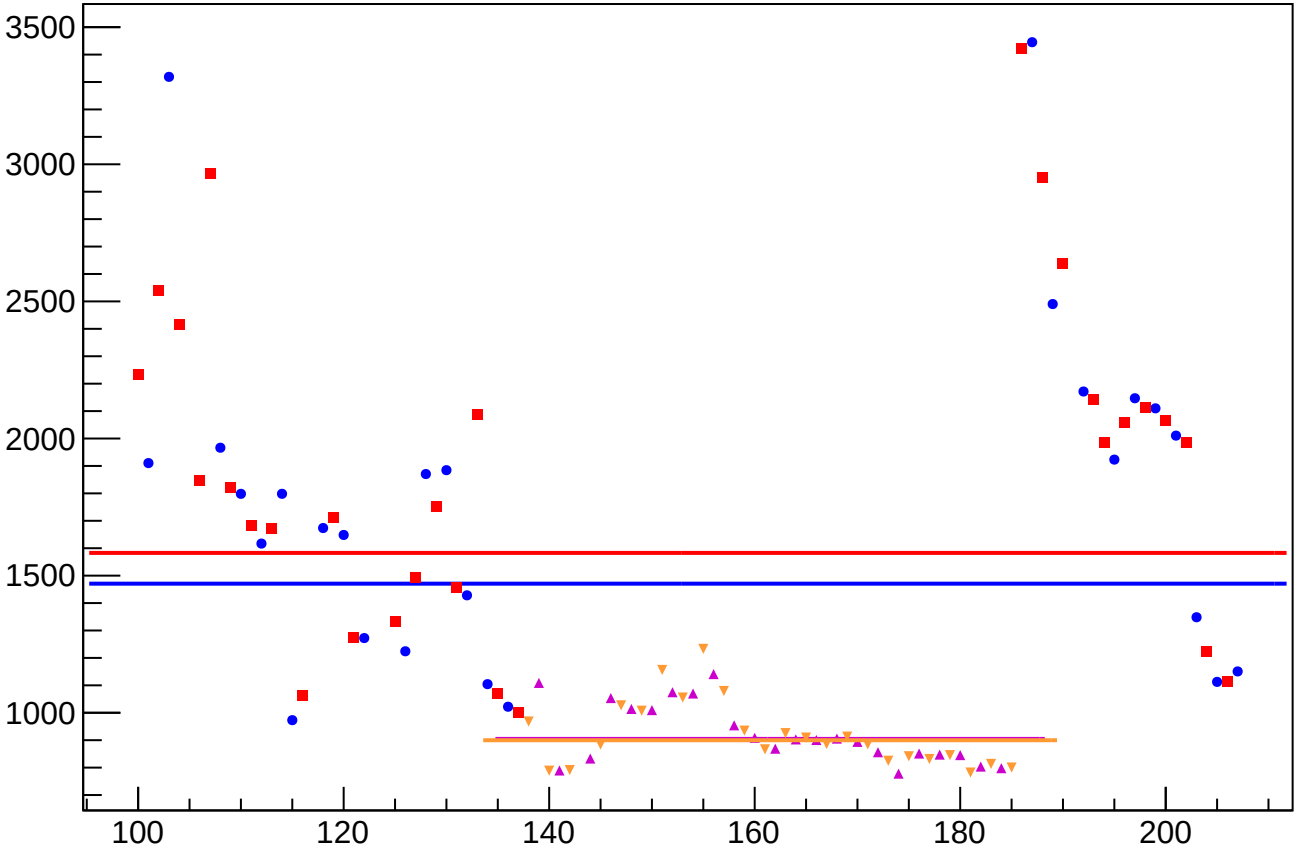
Right: -468.168+/-289.239 χ^2/NDF: 61.7/54

In: -268.866+/-187.960 χ^2/NDF:69.6/48

Out: -558.590+/-188.347 χ^2/NDF:93.2/52

All: -413.430+/-133.044 χ^2/NDF: 164.0/101

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1470.733+/-0.283 χ^2/NDF: 2562922.5/25

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

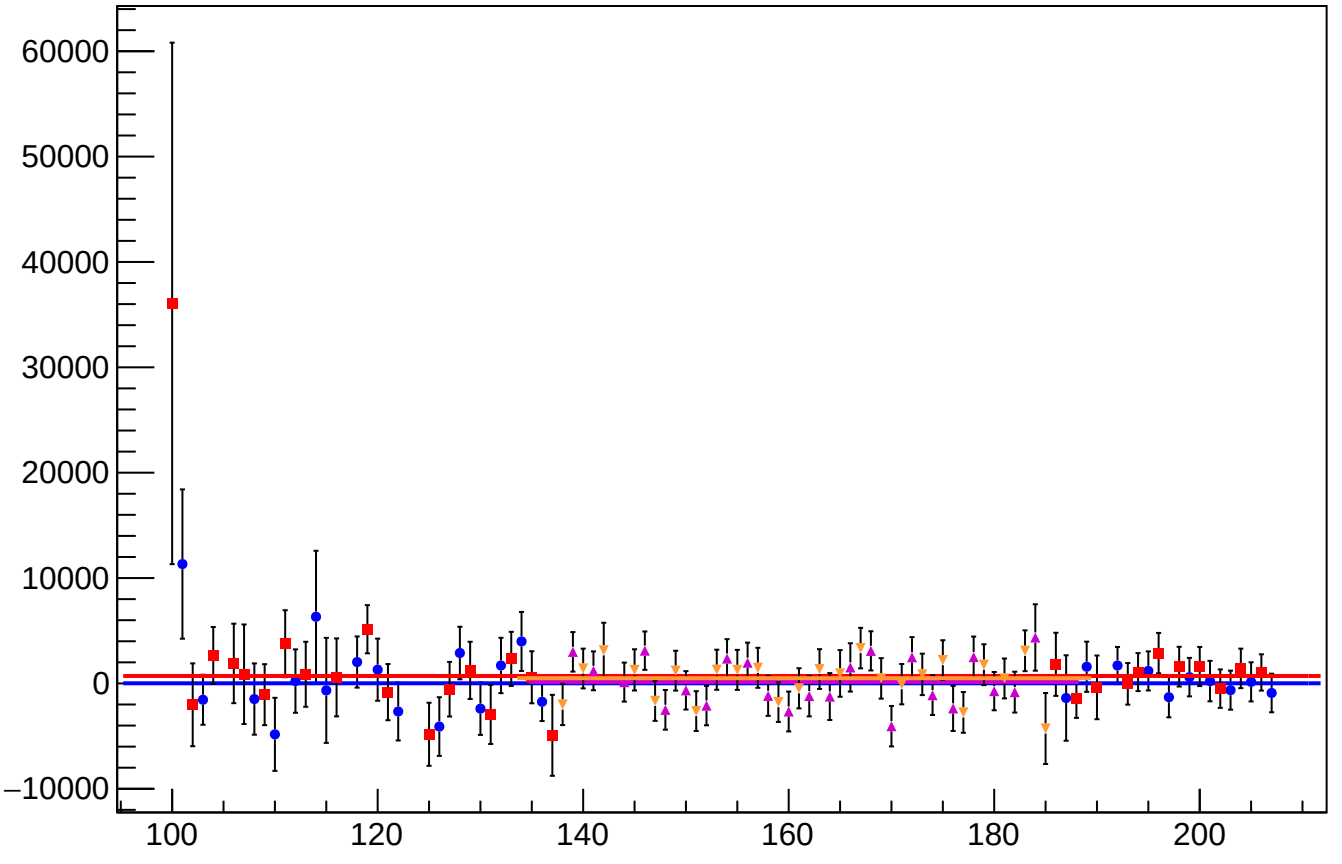
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1524.194+/-0.205 χ^2/NDF: 5479555.6/54

In: 1029.781+/-0.133 χ^2/NDF:6138695.7/48

Out: 1037.856+/-0.133 χ^2/NDF:7578815.4/52

All: 1033.810+/-0.094 χ^2/NDF: 13719353.3/1



Right In: 11.810+/-468.410 χ^2/NDF: 18.6/25

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

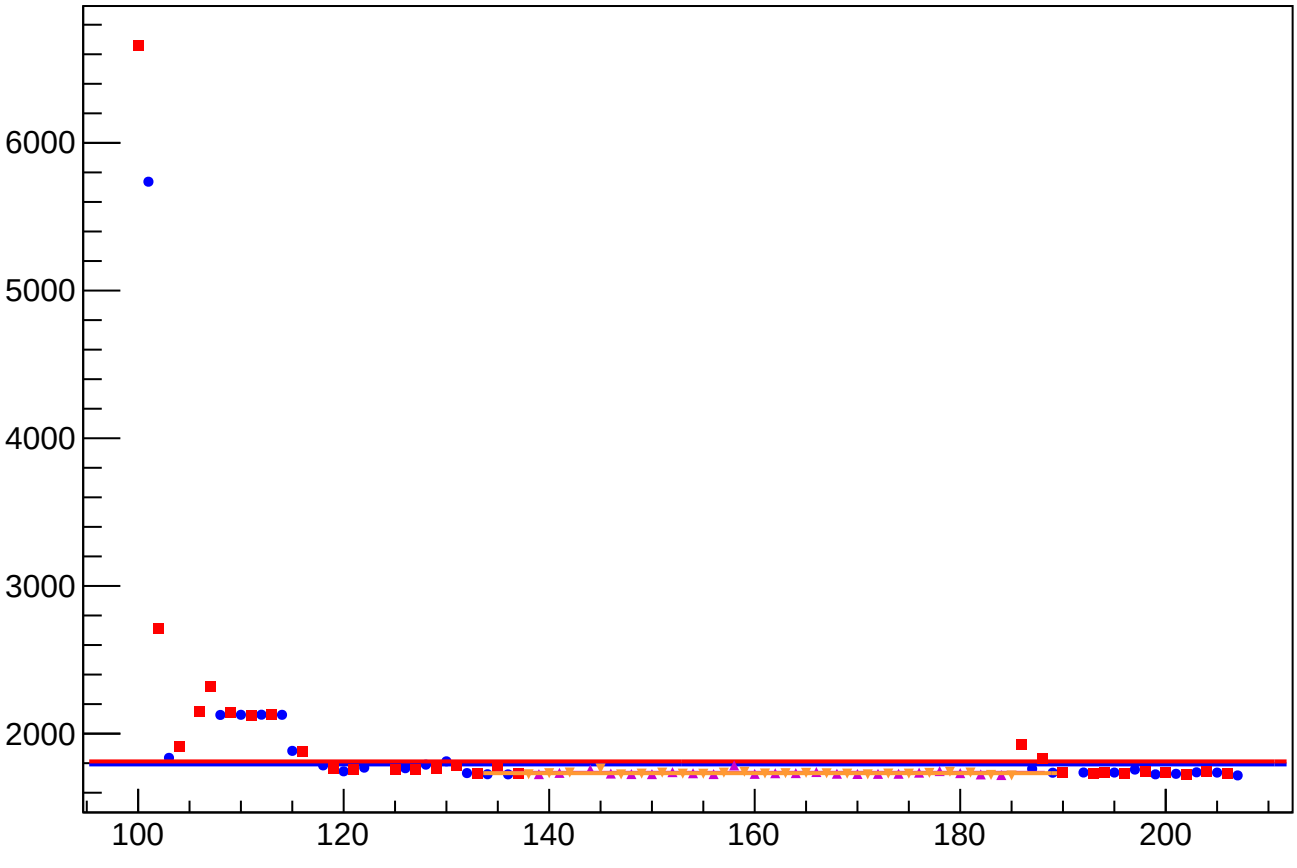
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 367.290+/-327.078 χ^2/NDF: 40.3/54

In: 83.540+/-306.361 χ^2/NDF:48.2/48

Out: 586.825+/-301.845 χ^2/NDF:40.7/52

All: 338.918+/-215.016 χ^2/NDF: 90.3/101



Right In: 1791.659+/-0.331 χ^2/NDF: 713872.1/25

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

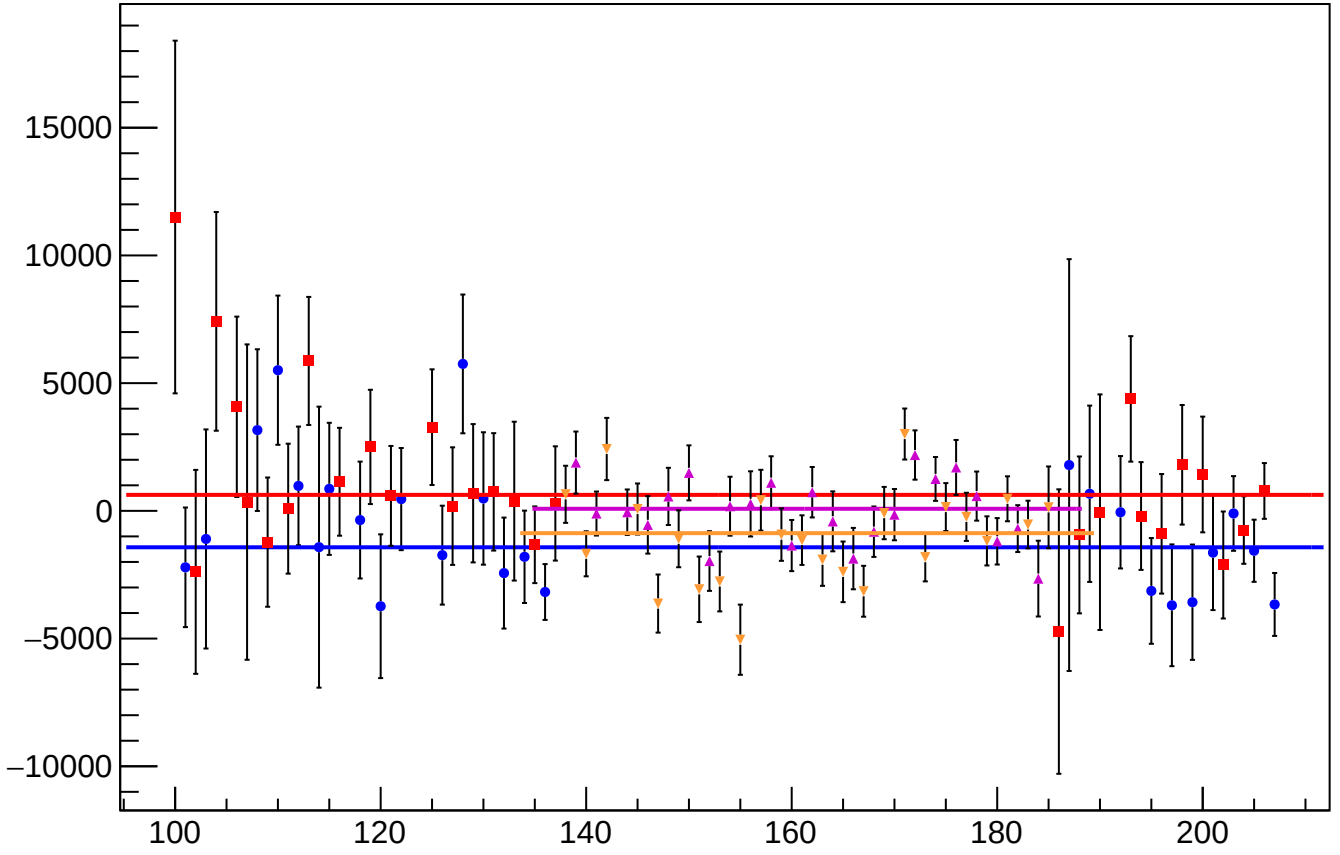
Right: 1802.077+/-0.231 χ^2/NDF: 1046494.6/54

In: 1758.990+/-0.217 χ^2/NDF:733089.3/48

Out: 1767.127+/-0.213 χ^2/NDF:365812.2/52

All: 1763.119+/-0.152 χ^2/NDF: 1099617.4/10

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -1426.169+/-401.371 χ^2/NDF: 29.4/25

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: 625.779+/-421.337 χ^2/NDF: 22.7/28

Left In: 81.519+/-215.913 χ^2/NDF:30.0/22

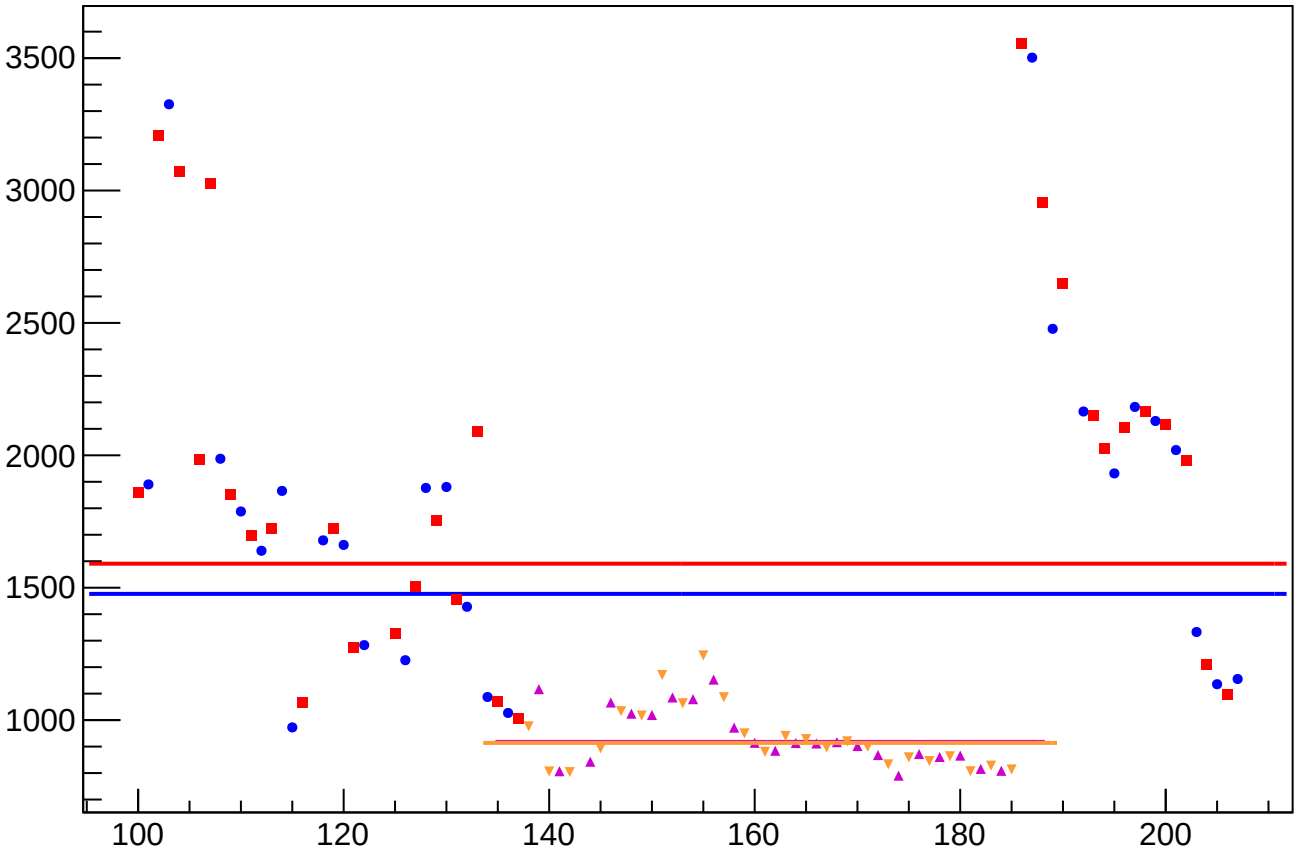
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -449.965+/-290.614 χ^2/NDF: 64.6/54

In: -256.856+/-190.147 χ^2/NDF:70.3/48

Out: -565.494+/-190.806 χ^2/NDF:94.7/52

All: -410.641+/-134.686 χ^2/NDF: 166.4/101



Right In: 1476.682+/-0.284 χ^2/NDF: 2564907.3/25

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

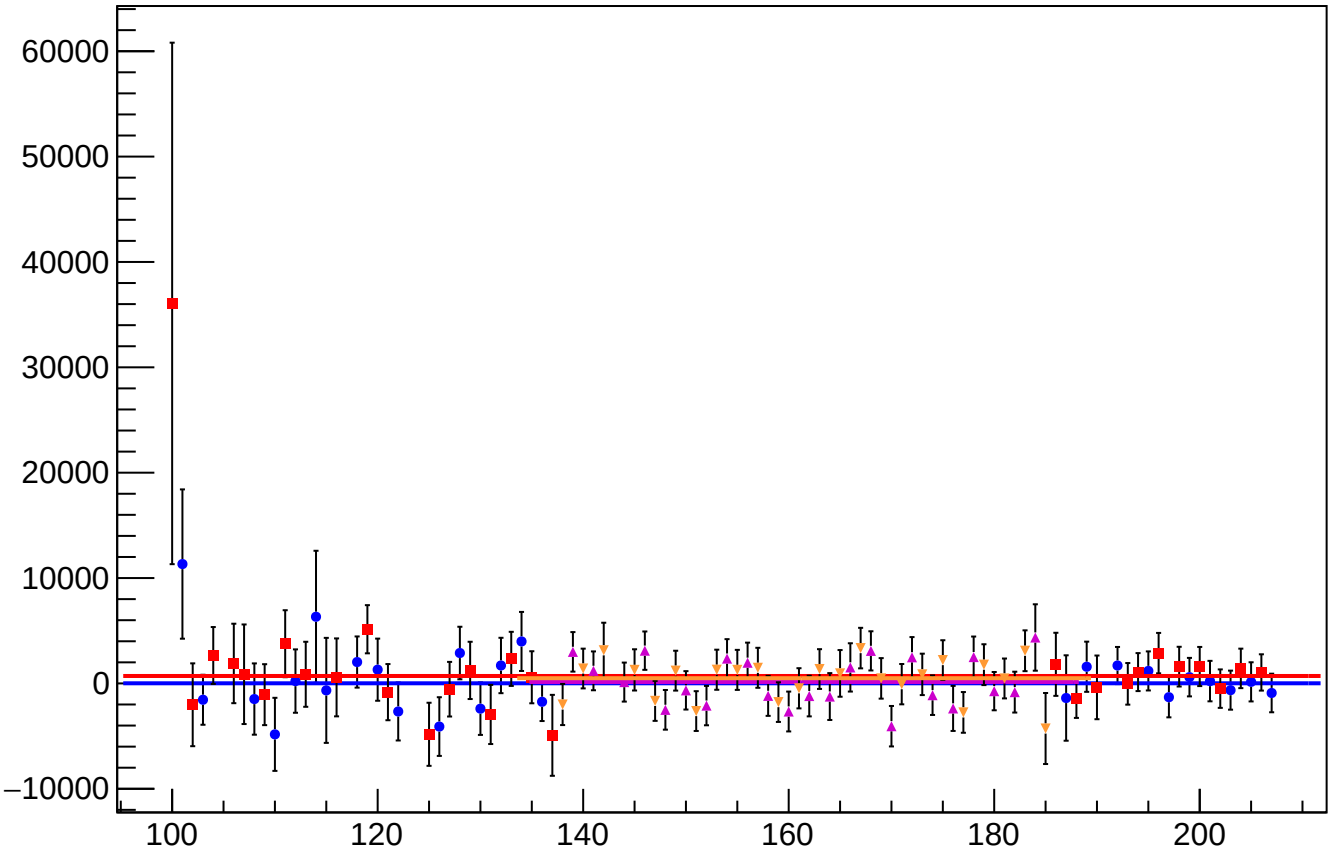
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1530.936+/-0.205 χ^2/NDF: 5940693.8/54

In: 1043.134+/-0.134 χ^2/NDF:6004213.4/48

Out: 1052.701+/-0.135 χ^2/NDF:7864285.5/52

All: 1047.901+/-0.095 χ^2/NDF: 13871021.8/



Right In: 11.811+/-468.410 χ^2/NDF: 18.6/25

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

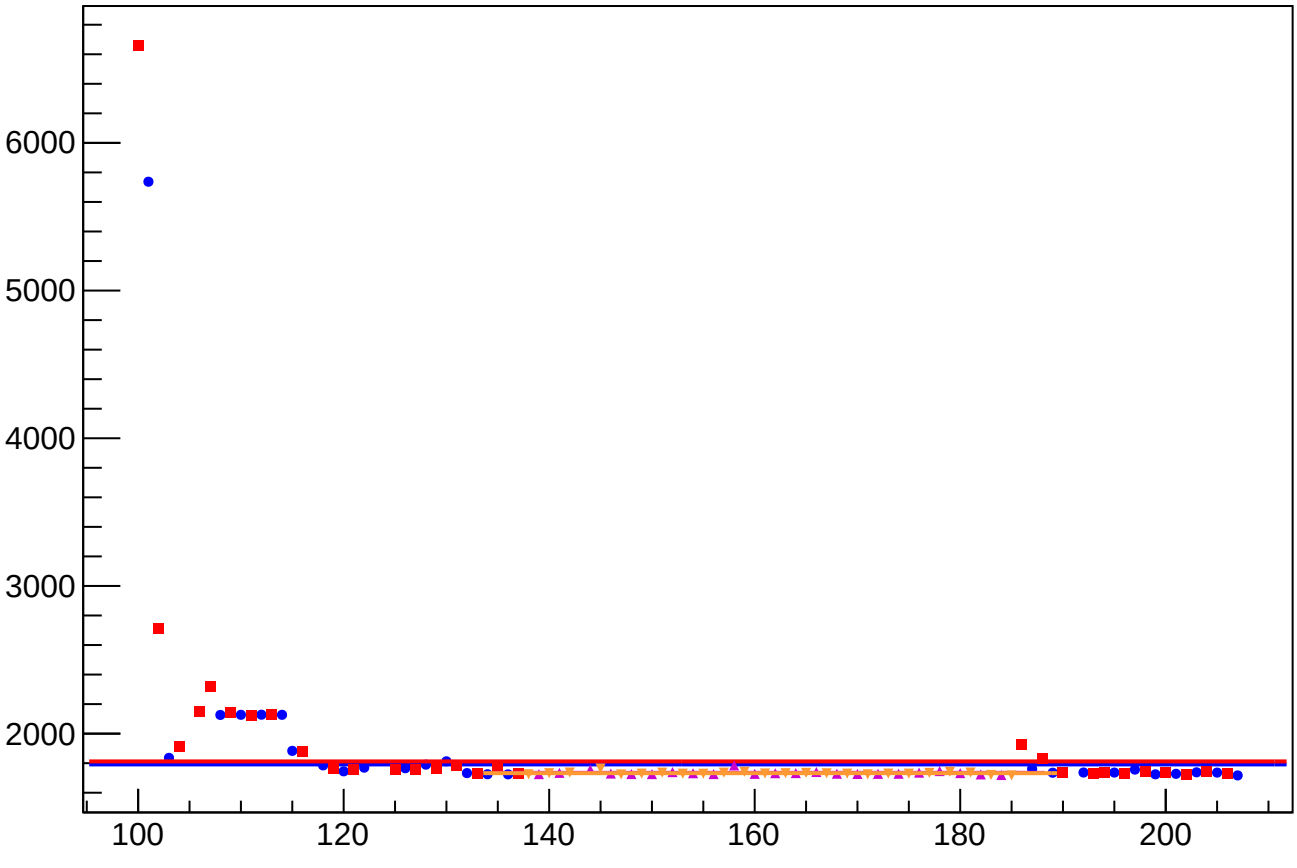
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 367.290+/-327.078 χ^2/NDF: 40.3/54

In: 83.540+/-306.361 χ^2/NDF:48.2/48

Out: 586.825+/-301.845 χ^2/NDF:40.7/52

All: 338.919+/-215.016 χ^2/NDF: 90.3/101



Right In: 1791.659+/-0.331 χ^2/NDF: 713872.1/25

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

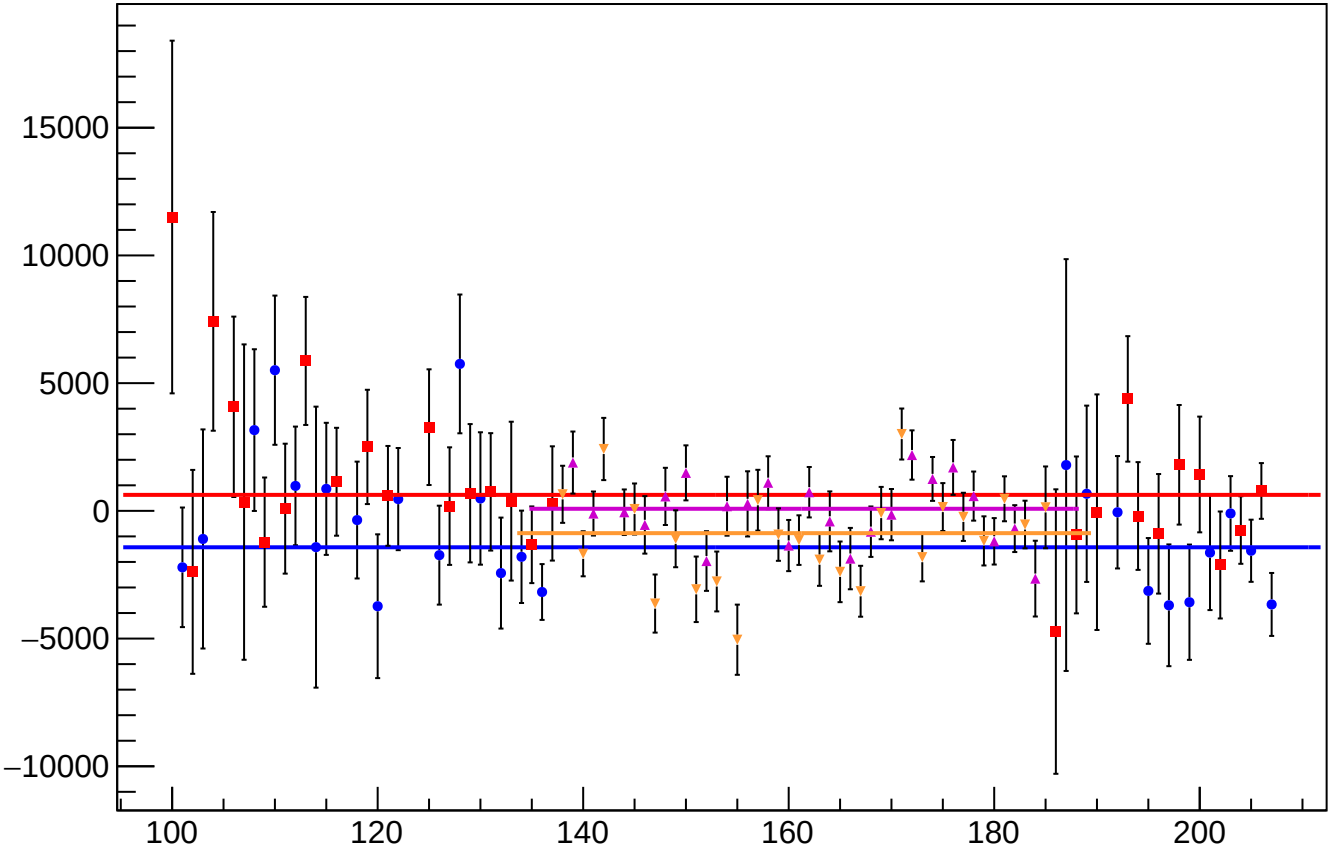
Right: 1802.077+/-0.231 χ^2/NDF: 1046494.3/54

In: 1758.990+/-0.217 χ^2/NDF:733089.3/48

Out: 1767.127+/-0.213 χ^2/NDF:365811.9/52

All: 1763.119+/-0.152 χ^2/NDF: 1099617.0/10

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1426.164+/-401.370 χ^2/NDF: 29.4/25

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

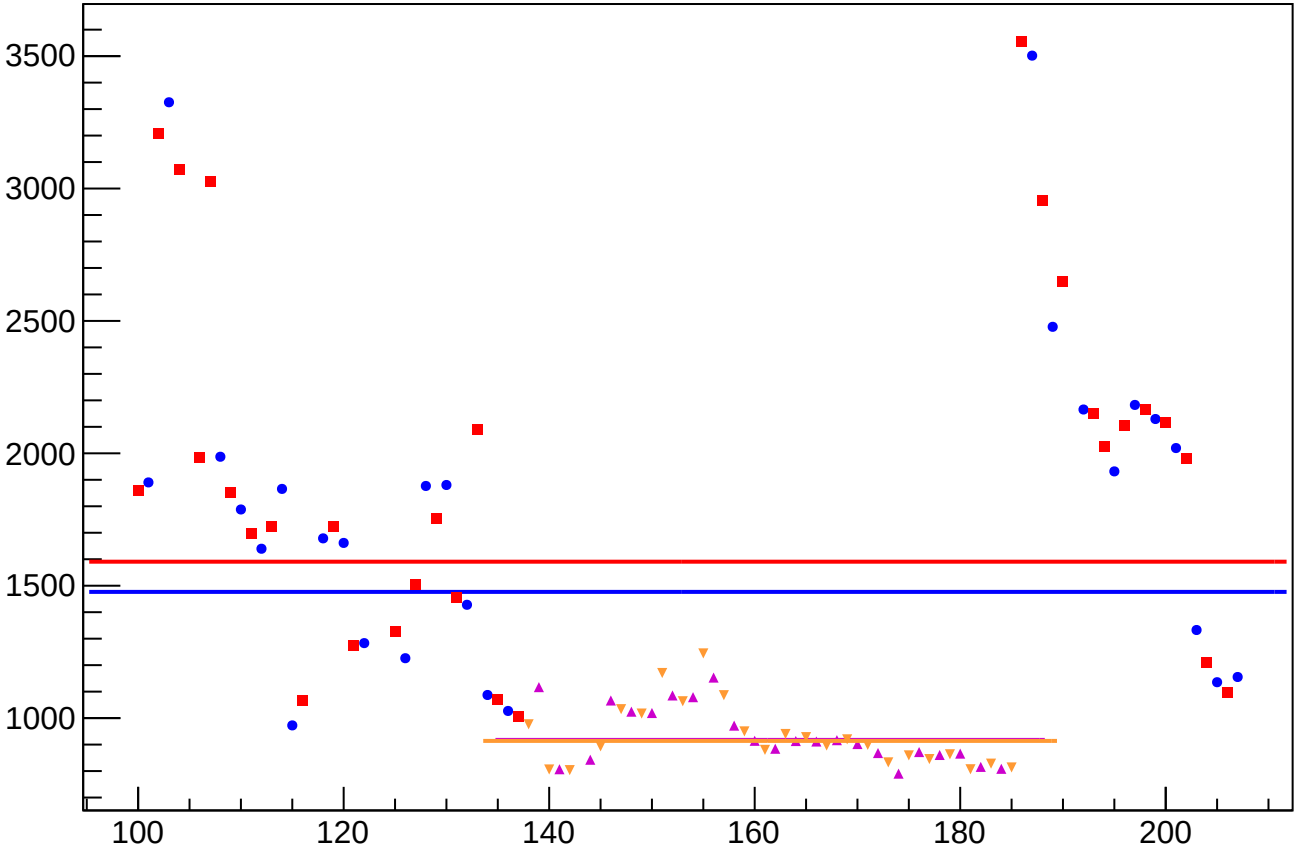
Right: -449.962+/-290.614 χ^2/NDF: 64.6/54

In: -256.856+/-190.147 χ^2/NDF:70.3/48

Out: -565.492+/-190.806 χ^2/NDF:94.7/52

All: -410.640+/-134.686 χ^2/NDF: 166.4/101

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1476.681+/-0.284 χ^2/NDF: 2564903.0/25

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

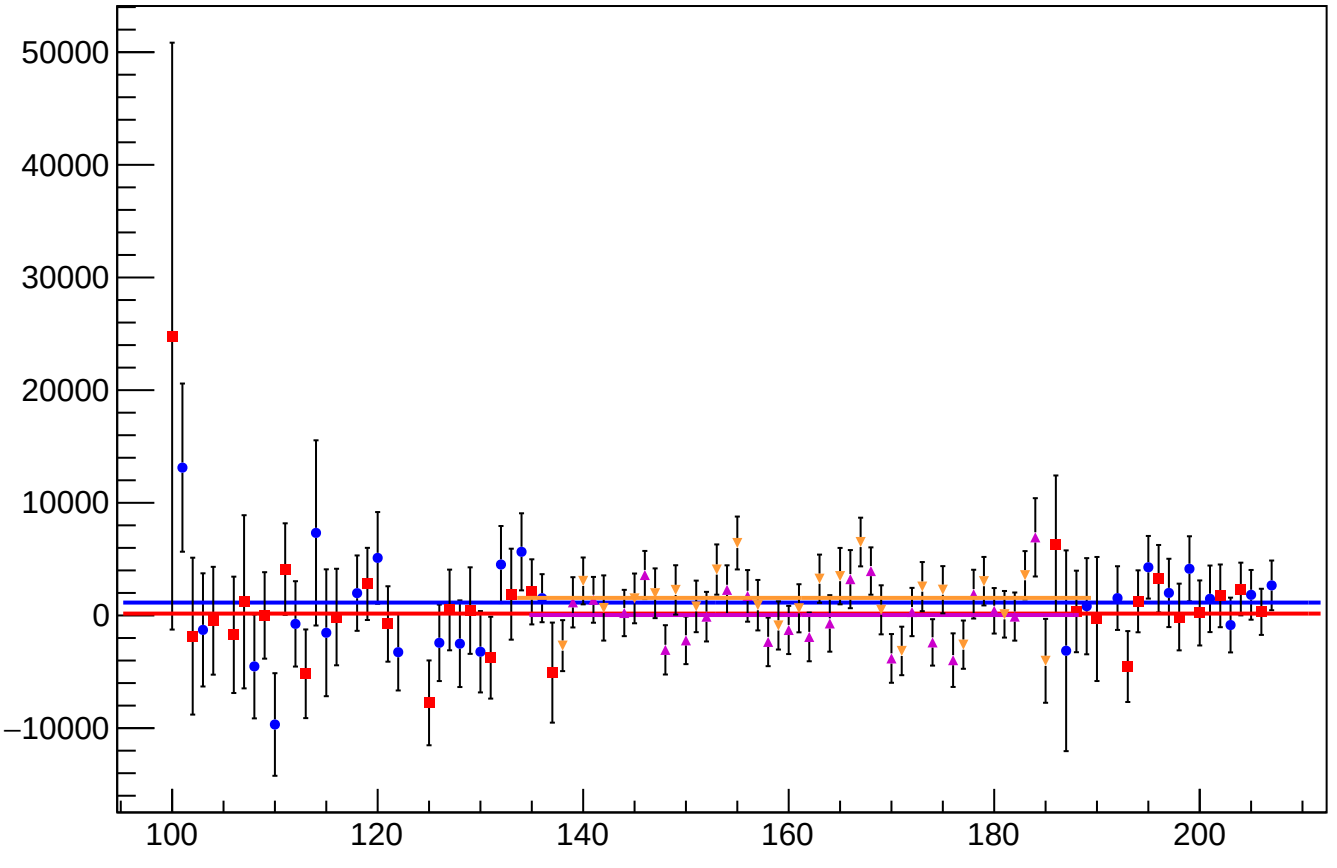
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1530.935+/-0.205 χ^2/NDF: 5940696.0/54

In: 1043.133+/-0.134 χ^2/NDF:6004217.9/48

Out: 1052.701+/-0.135 χ^2/NDF:7864290.0/52

All: 1047.901+/-0.095 χ^2/NDF: 13871030.8/1



Right In: 1144.992+/-649.241 χ^2/NDF: 23.9/25

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

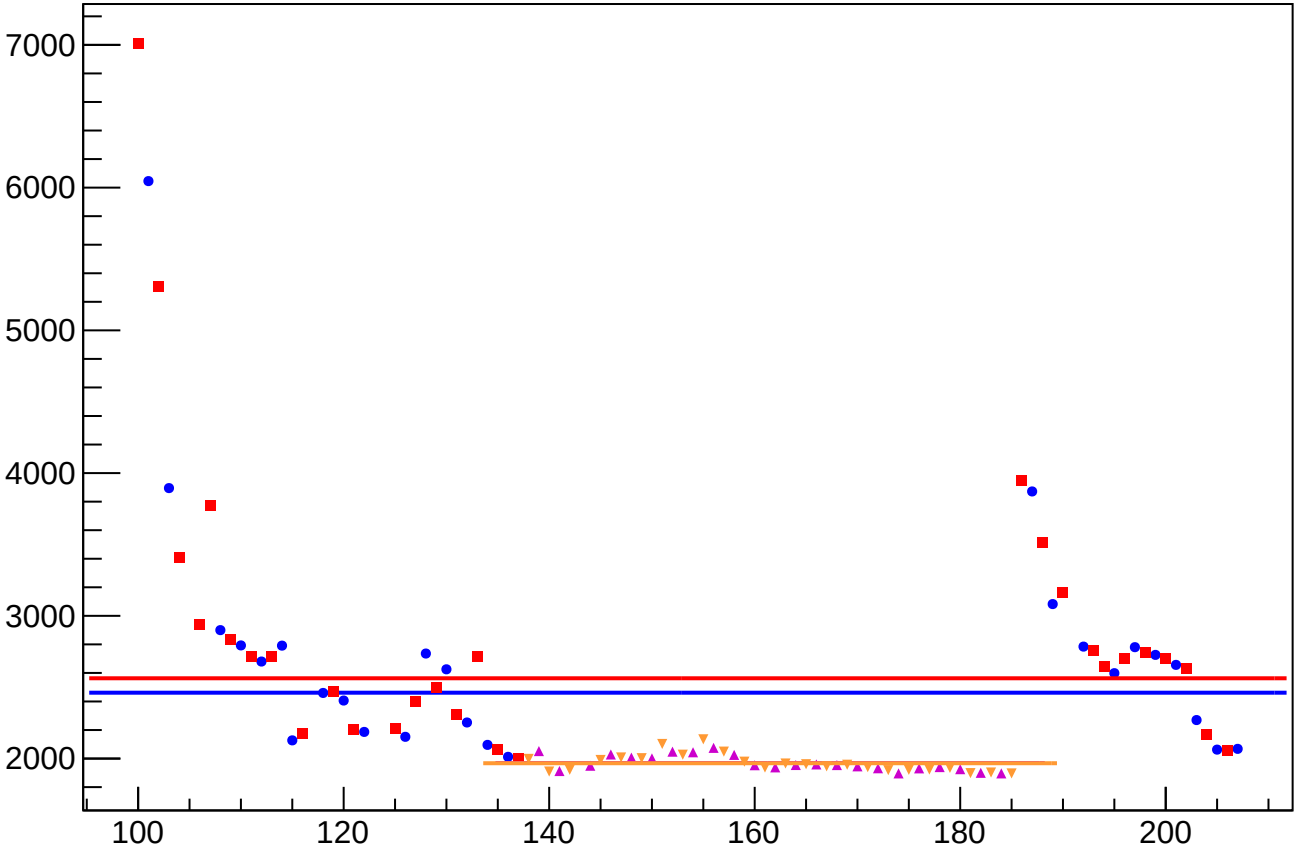
Right: 659.087+/-460.506 χ^2/NDF: 42.9/54

In: 409.168+/-375.304 χ^2/NDF:53.6/48

Out: 1103.408+/-374.405 χ^2/NDF:52.3/52

All: 757.121+/-265.062 χ^2/NDF: 107.6/101

asym_us_dd_at1lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 2461.510+/-0.459 χ^2/NDF: 1145307.2/25

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

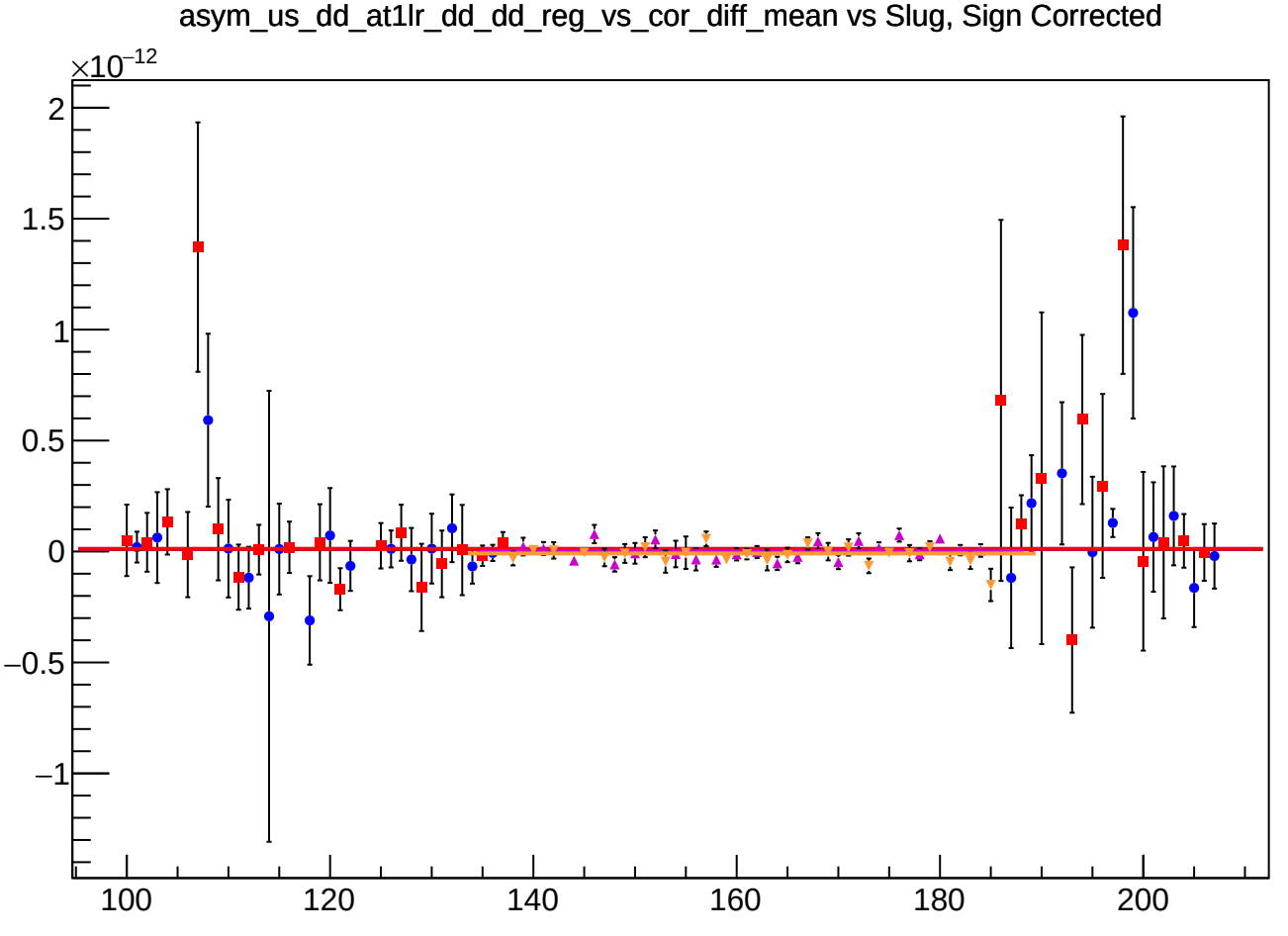
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2511.713+/-0.326 χ^2/NDF: 2311060.1/54

In: 2133.592+/-0.265 χ^2/NDF:1938096.2/48

Out: 2162.889+/-0.265 χ^2/NDF:2290504.0/52

All: 2148.276+/-0.187 χ^2/NDF: 4234708.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/25

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

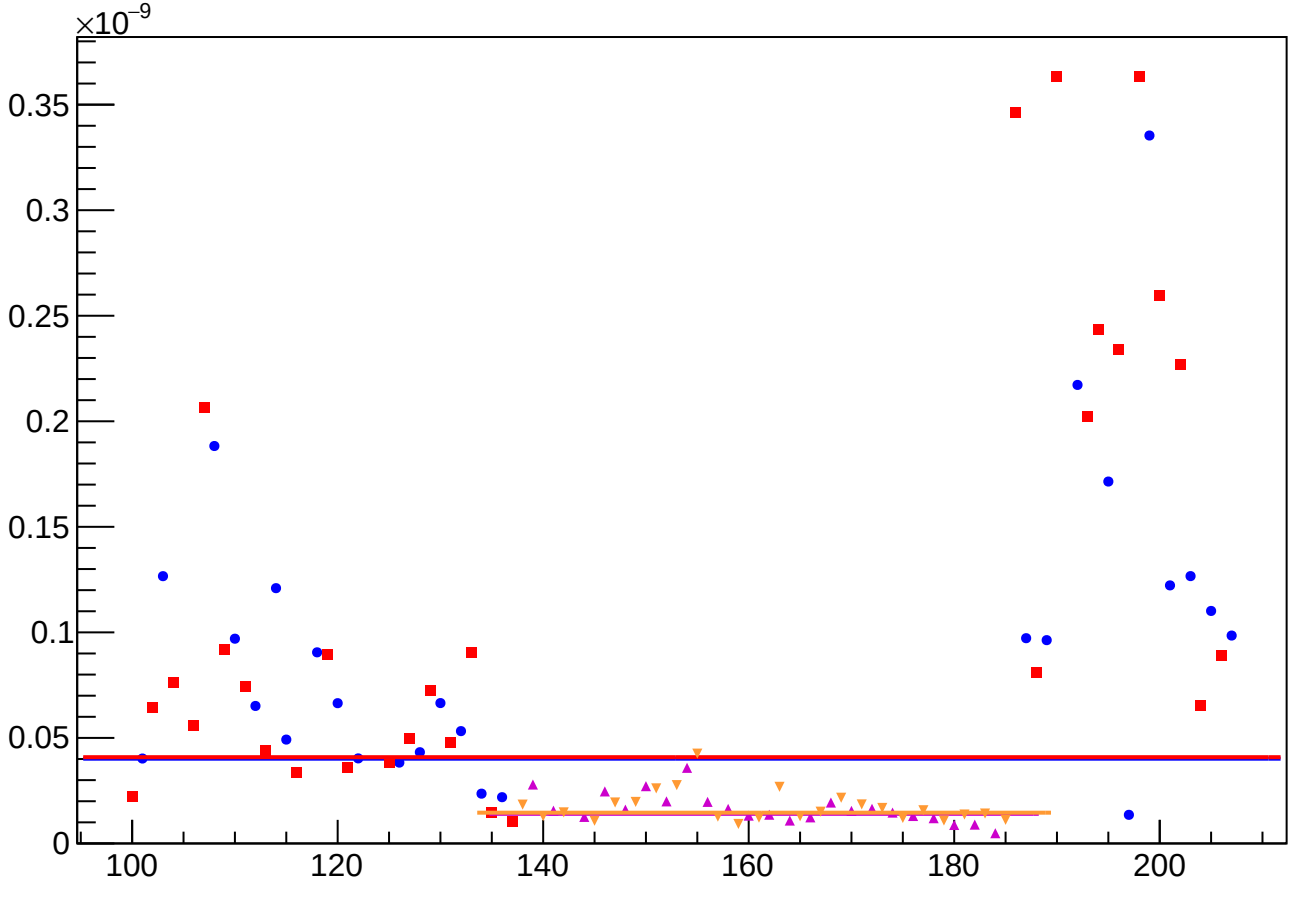
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: 0.000+/-0.000 χ^2/NDF: 45.4/54

In: 0.000+/-0.000 χ^2/NDF:59.4/48

Out: -0.000+/-0.000 χ^2/NDF:46.6/52

All: -0.000+/-0.000 χ^2/NDF: 107.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 5069166.9/25

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

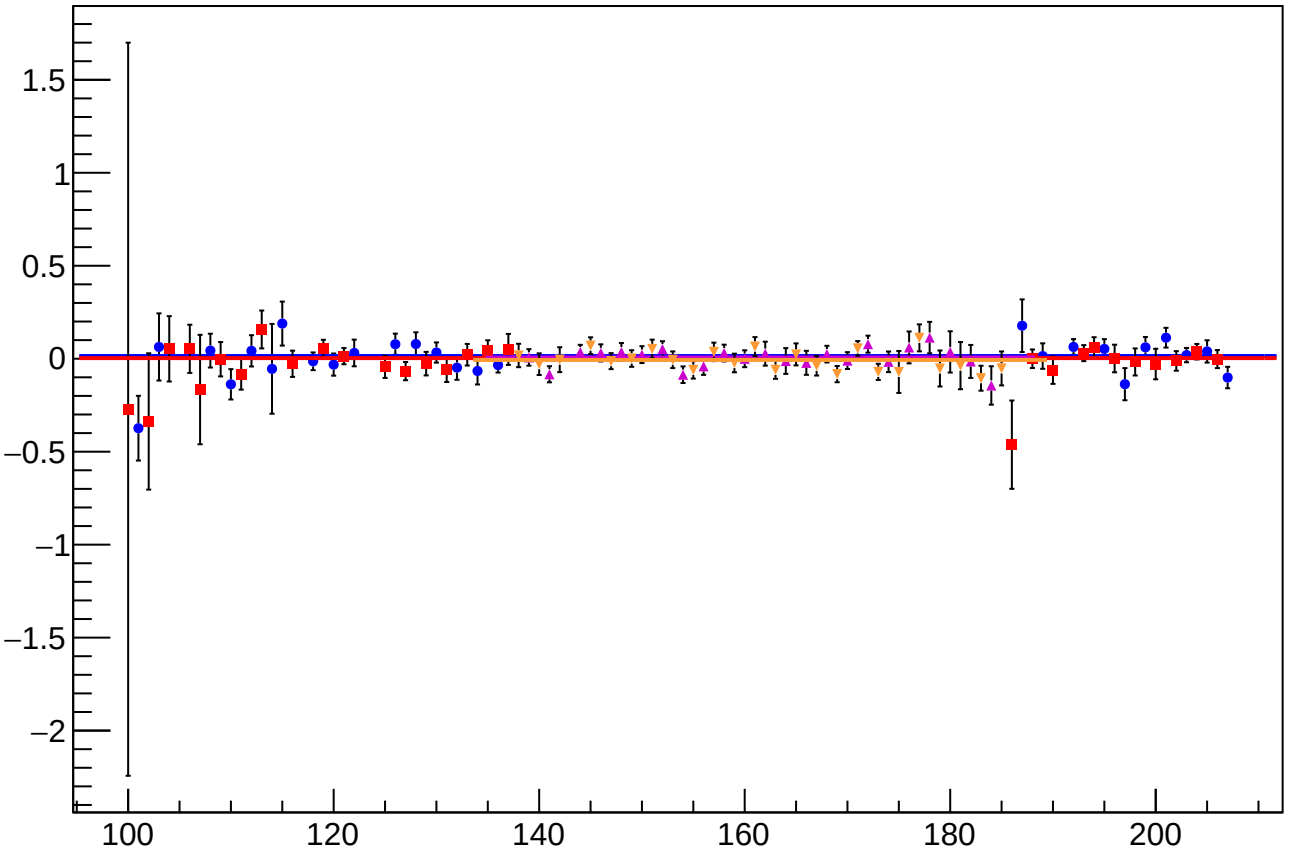
Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

Right: 0.000+/-0.000 χ^2/NDF: 11935170.2/54

In: 0.000+/-0.000 χ^2/NDF:9121795.6/48

Out: 0.000+/-0.000 χ^2/NDF:10496033.8/52

All: 0.000+/-0.000 χ^2/NDF: 19624372.2/101



Right In: 0.014+/-0.012 χ^2/NDF: 32.7/25

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

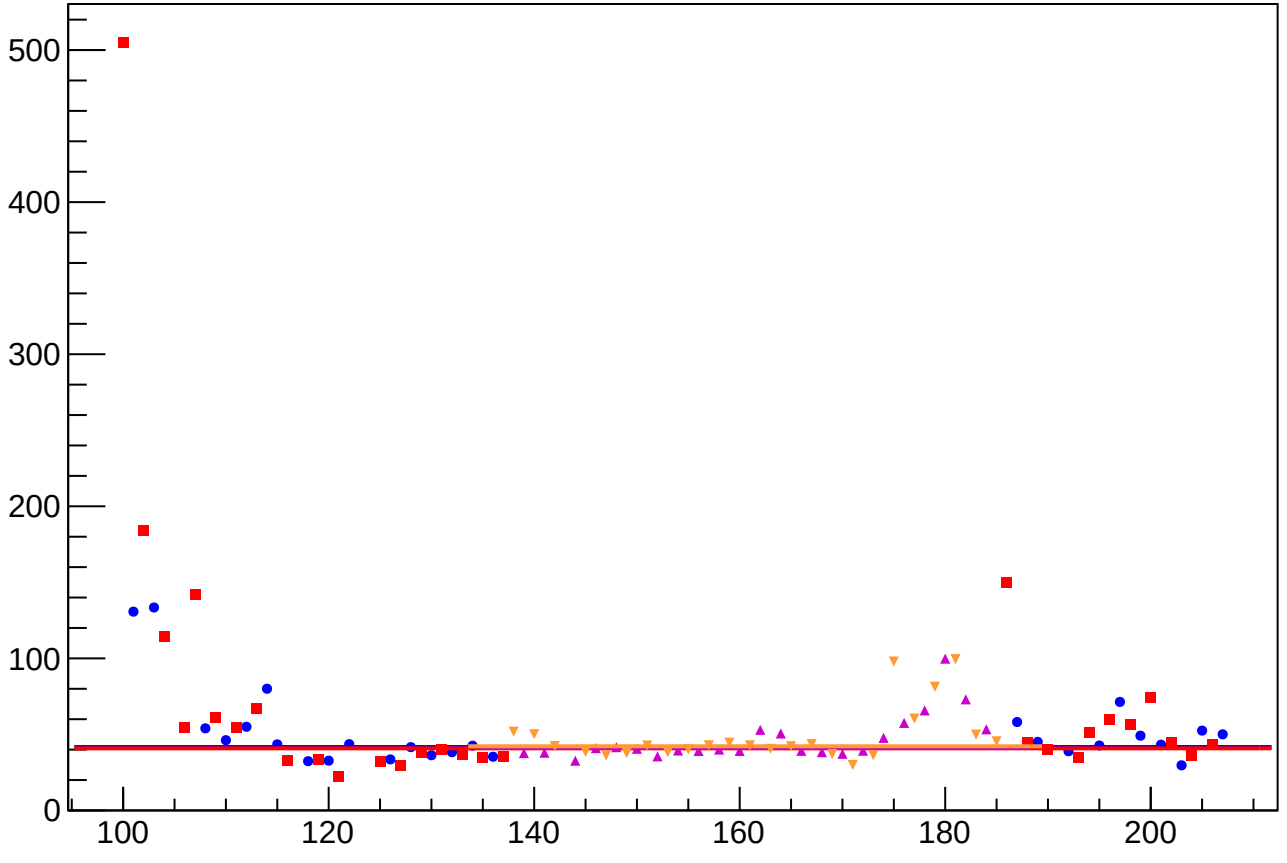
Right: 0.009+/-0.009 χ^2/NDF: 51.0/54

In: 0.010+/-0.008 χ^2/NDF:53.0/48

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.004+/-0.006 χ^2/NDF: 96.3/101

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.704+/-0.009 χ^2/NDF: 2038212.6/25

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

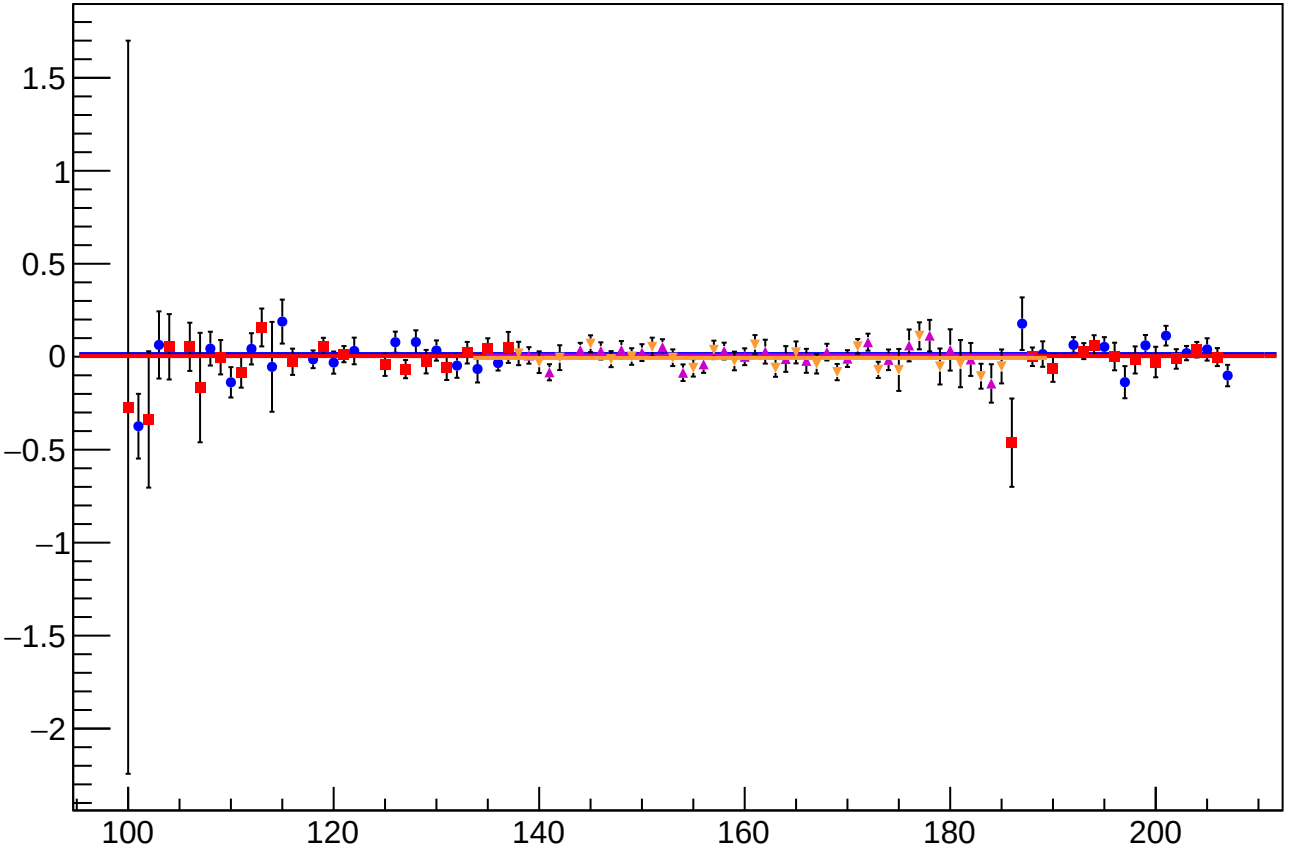
Right: 41.265+/-0.006 χ^2/NDF: 5126080.2/54

In: 41.544+/-0.006 χ^2/NDF:3450993.3/48

Out: 41.590+/-0.006 χ^2/NDF:4916343.0/52

All: 41.567+/-0.004 χ^2/NDF: 8367369.1/101

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.012 χ^2/NDF: 32.7/25

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

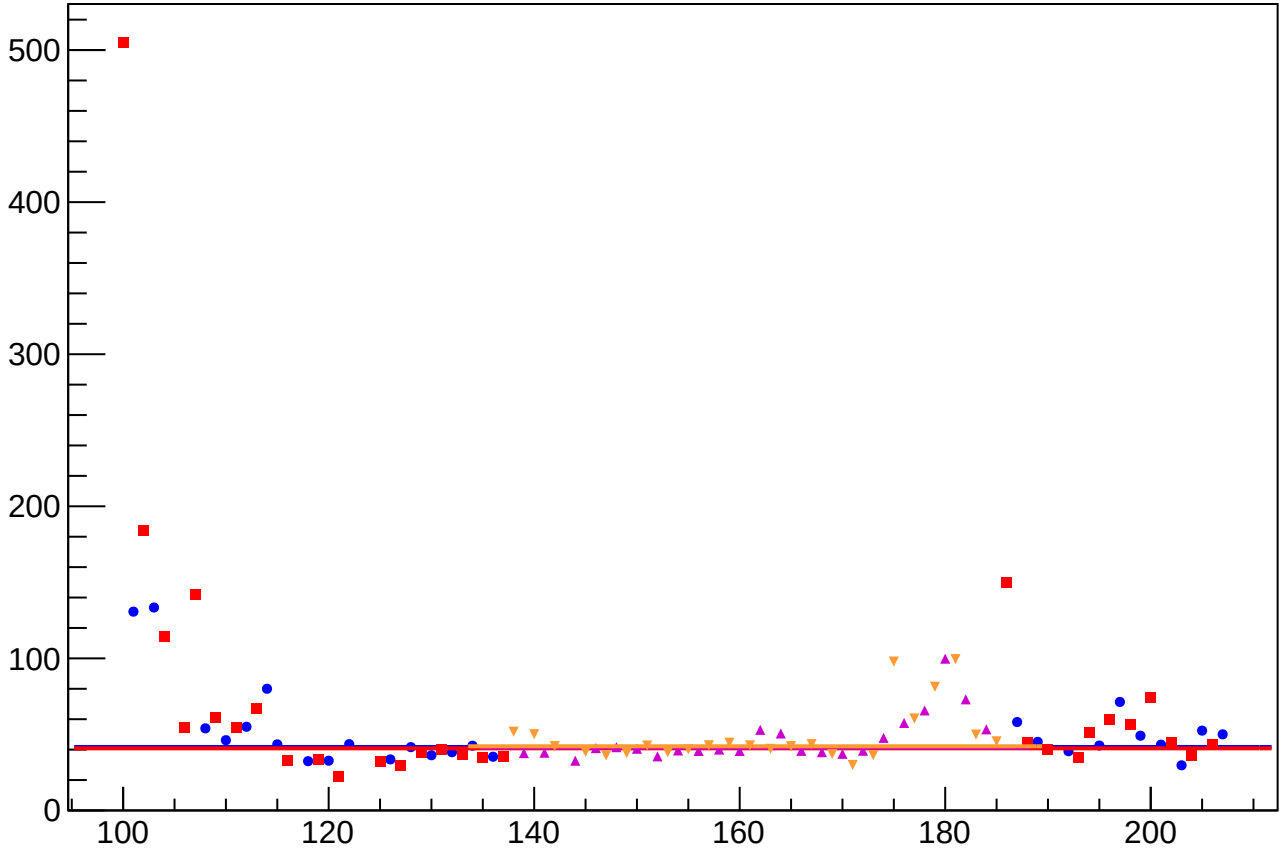
Right: 0.009+/-0.009 χ^2/NDF: 51.0/54

In: 0.010+/-0.008 χ^2/NDF:53.0/48

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.004+/-0.006 χ^2/NDF: 96.3/101

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.704+/-0.009 χ^2/NDF: 2038212.6/25

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

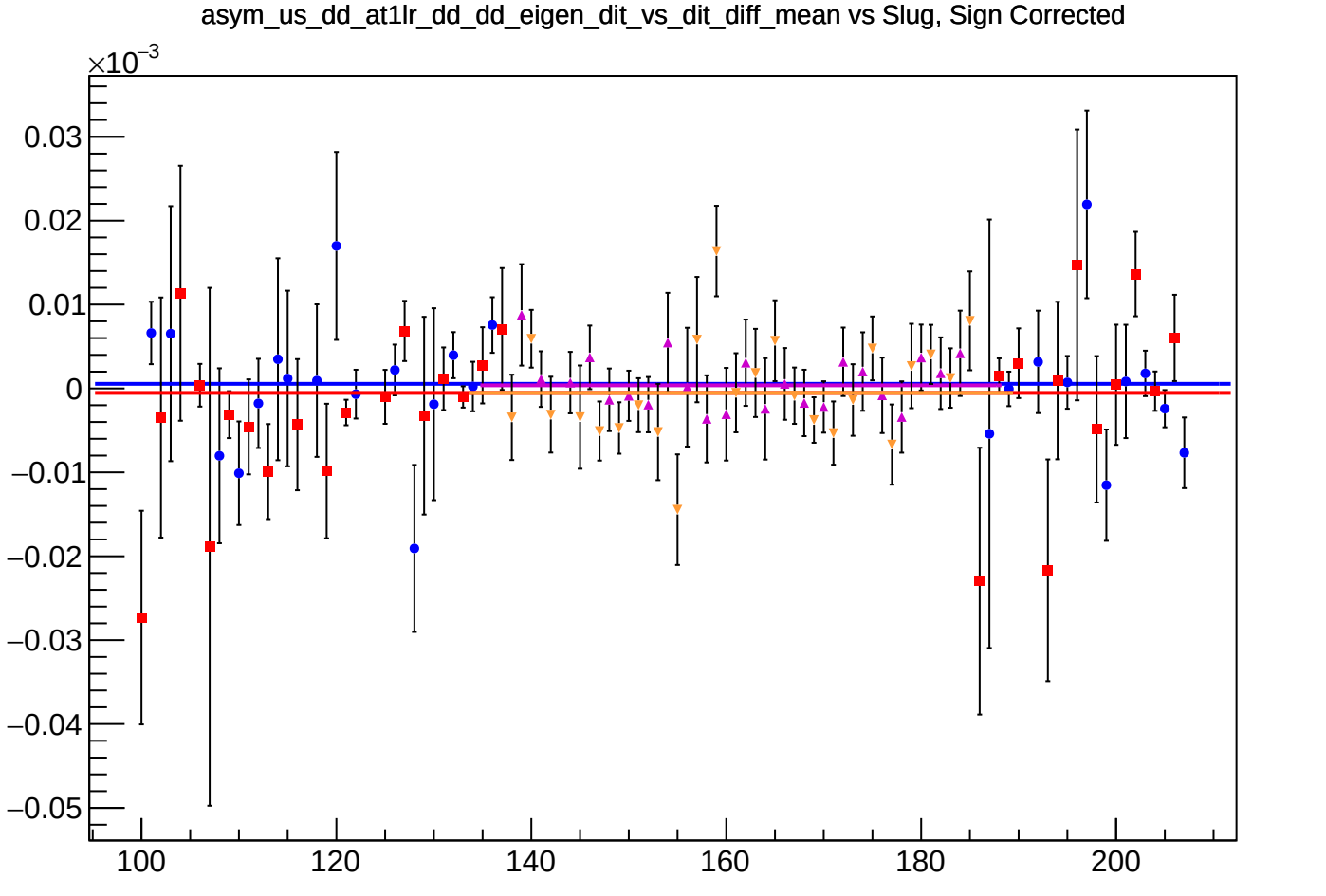
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

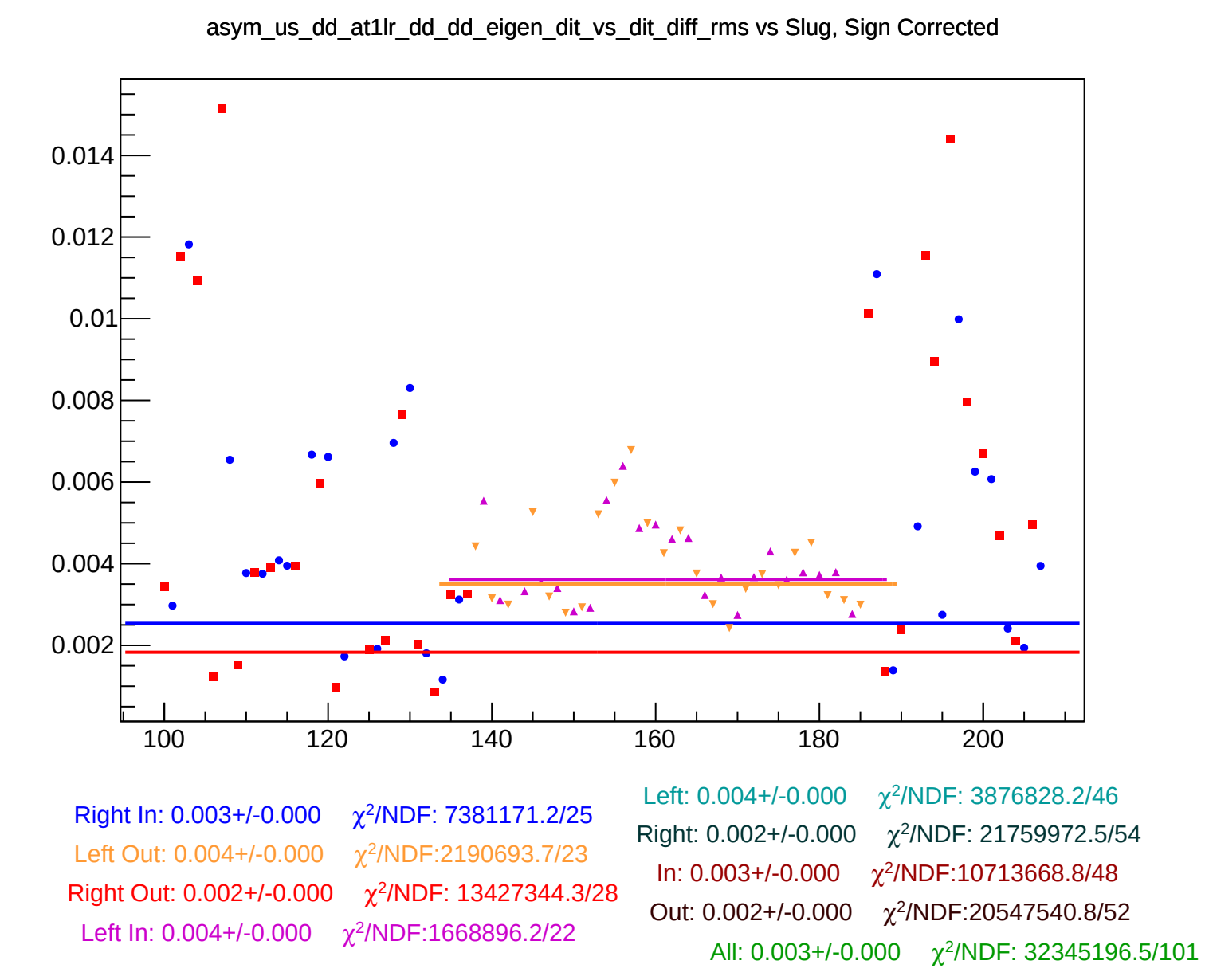
Right: 41.265+/-0.006 χ^2/NDF: 5126080.2/54

In: 41.544+/-0.006 χ^2/NDF:3450993.3/48

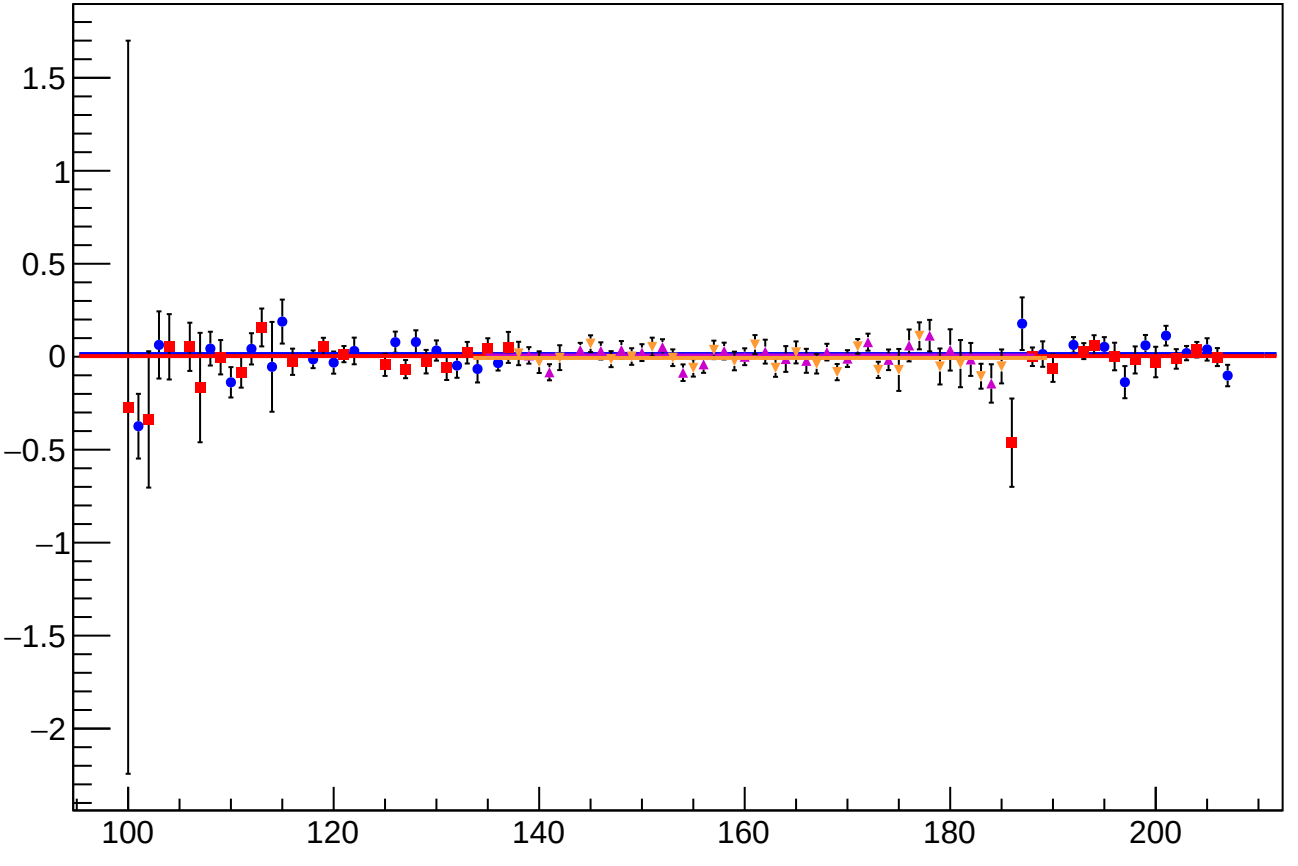
Out: 41.590+/-0.006 χ^2/NDF:4916343.0/52

All: 41.567+/-0.004 χ^2/NDF: 8367369.1/101


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: 32.4/25
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: 70.4/54
In: 0.000+/-0.000 χ²/NDF:42.1/48
Out: -0.000+/-0.000 χ²/NDF:73.7/52
All: -0.000+/-0.000 χ²/NDF: 117.5/101


asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.014
0.012
0.01
0.008
0.006
0.004
0.002
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 7381171.2/25
Left Out: 0.004+/-0.000 χ²/NDF:2190693.7/23
Right Out: 0.002+/-0.000 χ²/NDF: 13427344.3/28
Left In: 0.004+/-0.000 χ²/NDF:1668896.2/22
Left: 0.004+/-0.000 χ²/NDF: 3876828.2/46
Right: 0.002+/-0.000 χ²/NDF: 21759972.5/54
In: 0.003+/-0.000 χ²/NDF:10713668.8/48
Out: 0.002+/-0.000 χ²/NDF:20547540.8/52
All: 0.003+/-0.000 χ²/NDF: 32345196.5/101

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.012 χ^2/NDF: 32.7/25

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

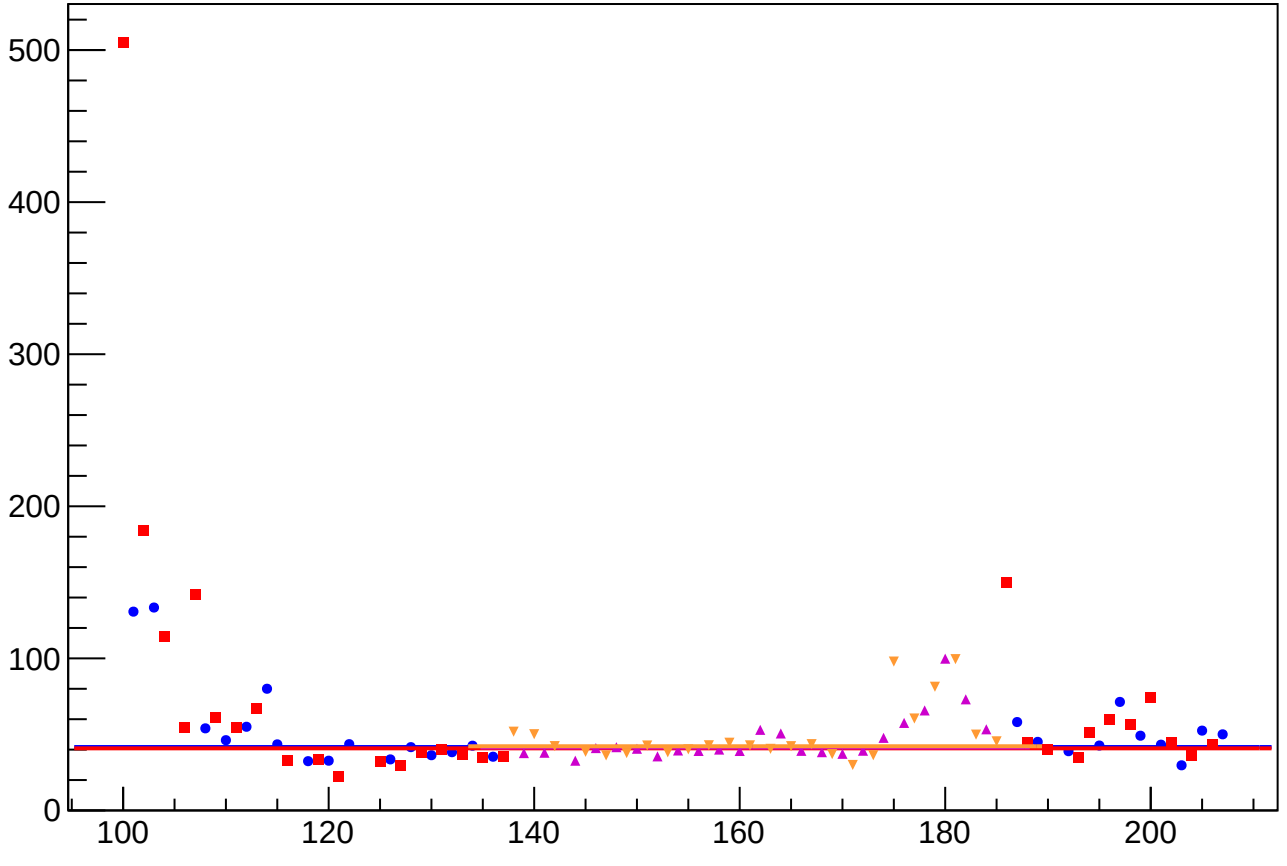
Right: 0.009+/-0.009 χ^2/NDF: 51.0/54

In: 0.010+/-0.008 χ^2/NDF:53.0/48

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.004+/-0.006 χ^2/NDF: 96.3/101

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.704+/-0.009 χ^2/NDF: 2038115.5/25

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

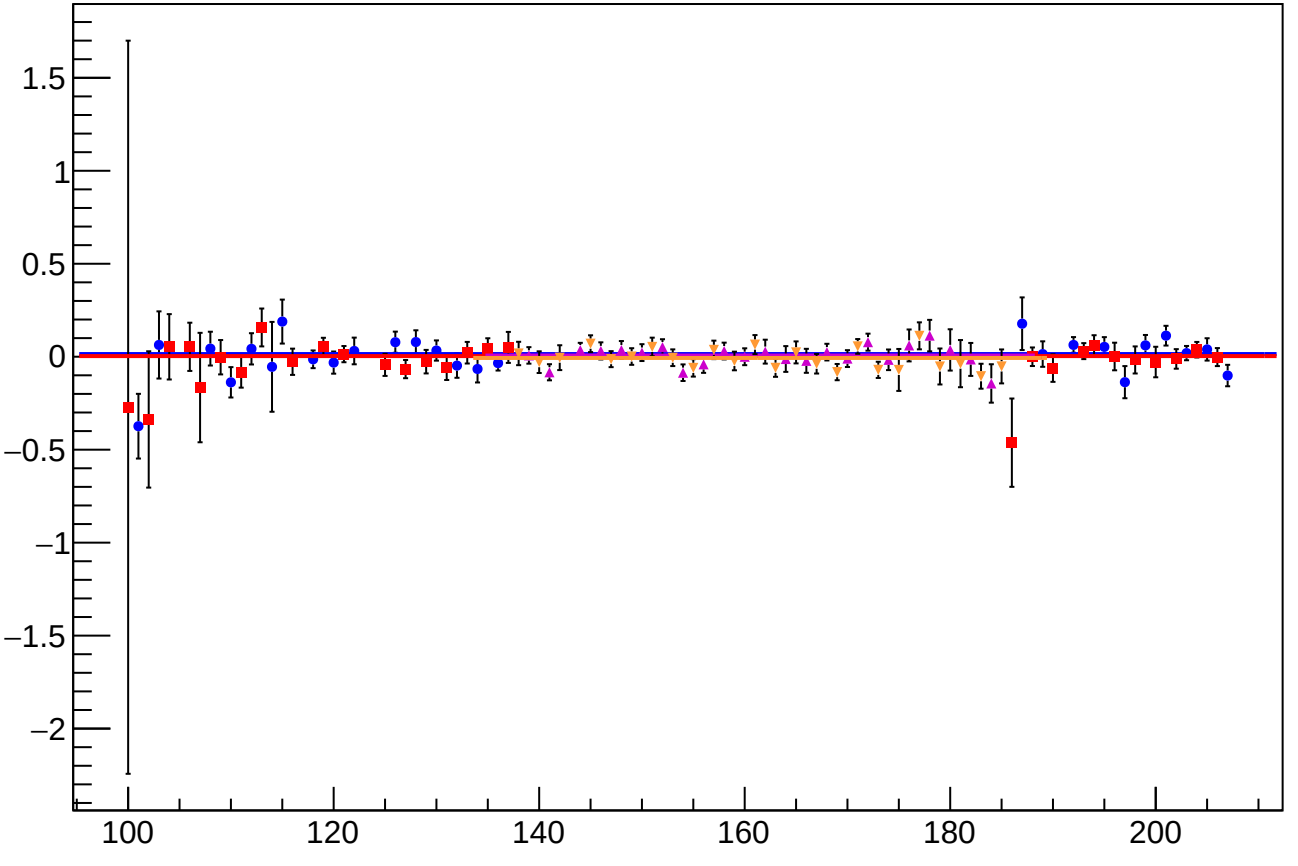
Right: 41.265+/-0.006 χ^2/NDF: 5126190.9/54

In: 41.544+/-0.006 χ^2/NDF:3450832.0/48

Out: 41.590+/-0.006 χ^2/NDF:4916555.3/52

All: 41.567+/-0.004 χ^2/NDF: 8367419.2/101

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.014+/-0.012 χ^2/NDF: 32.7/25

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

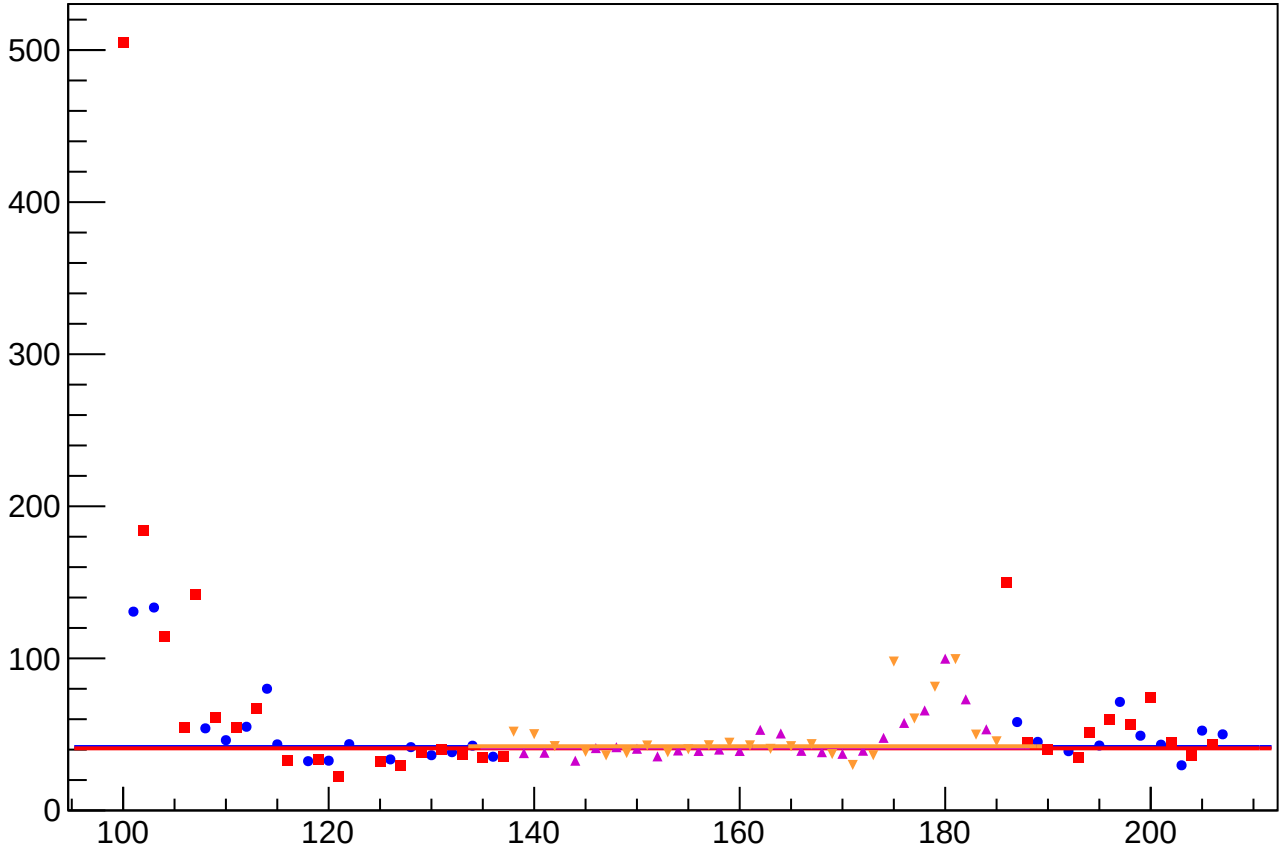
Right: 0.009+/-0.009 χ^2/NDF: 51.0/54

In: 0.010+/-0.008 χ^2/NDF:53.0/48

Out: -0.002+/-0.008 χ^2/NDF:42.2/52

All: 0.004+/-0.006 χ^2/NDF: 96.3/101

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.704+/-0.009 χ^2/NDF: 2038115.5/25

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

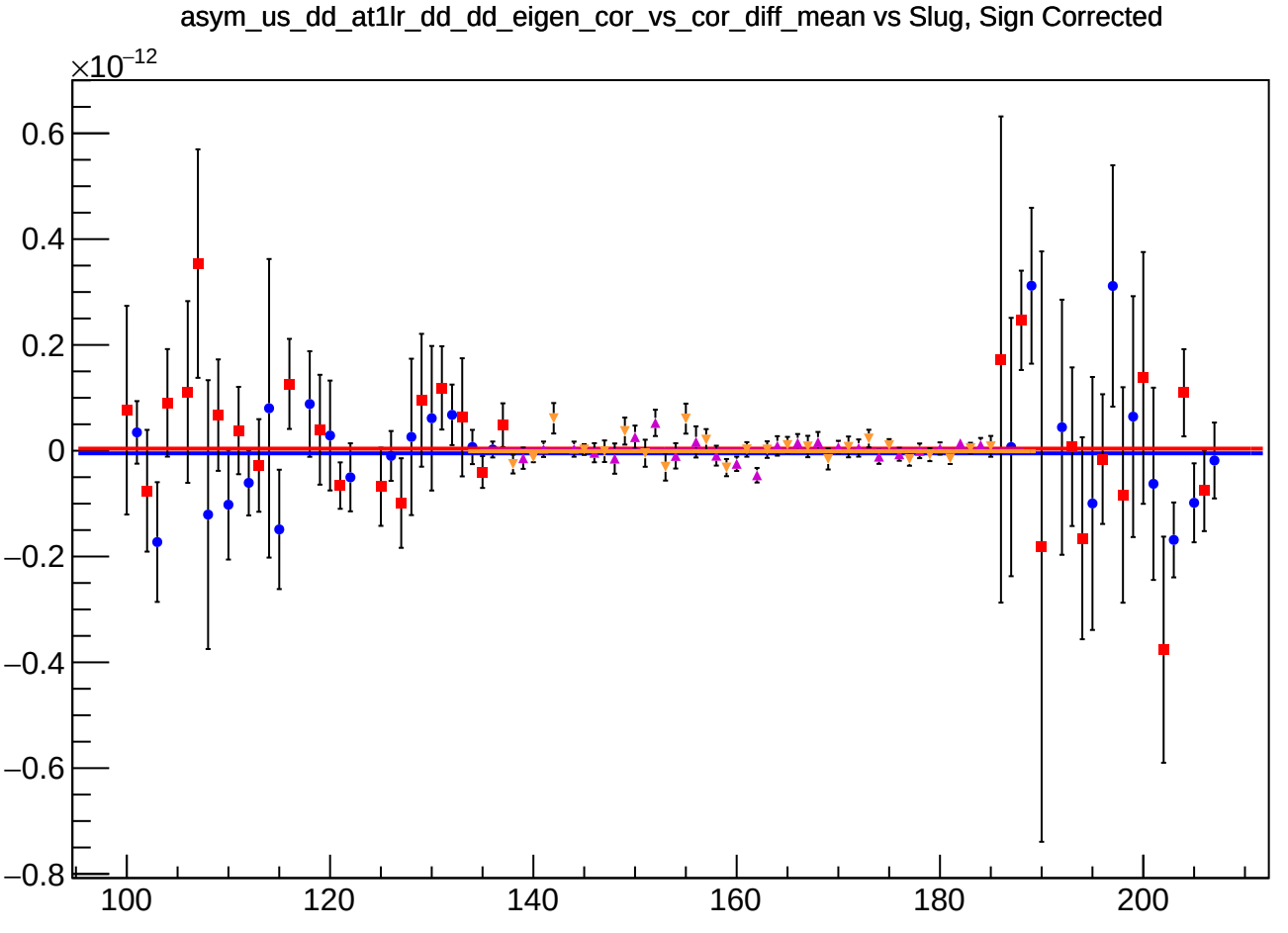
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

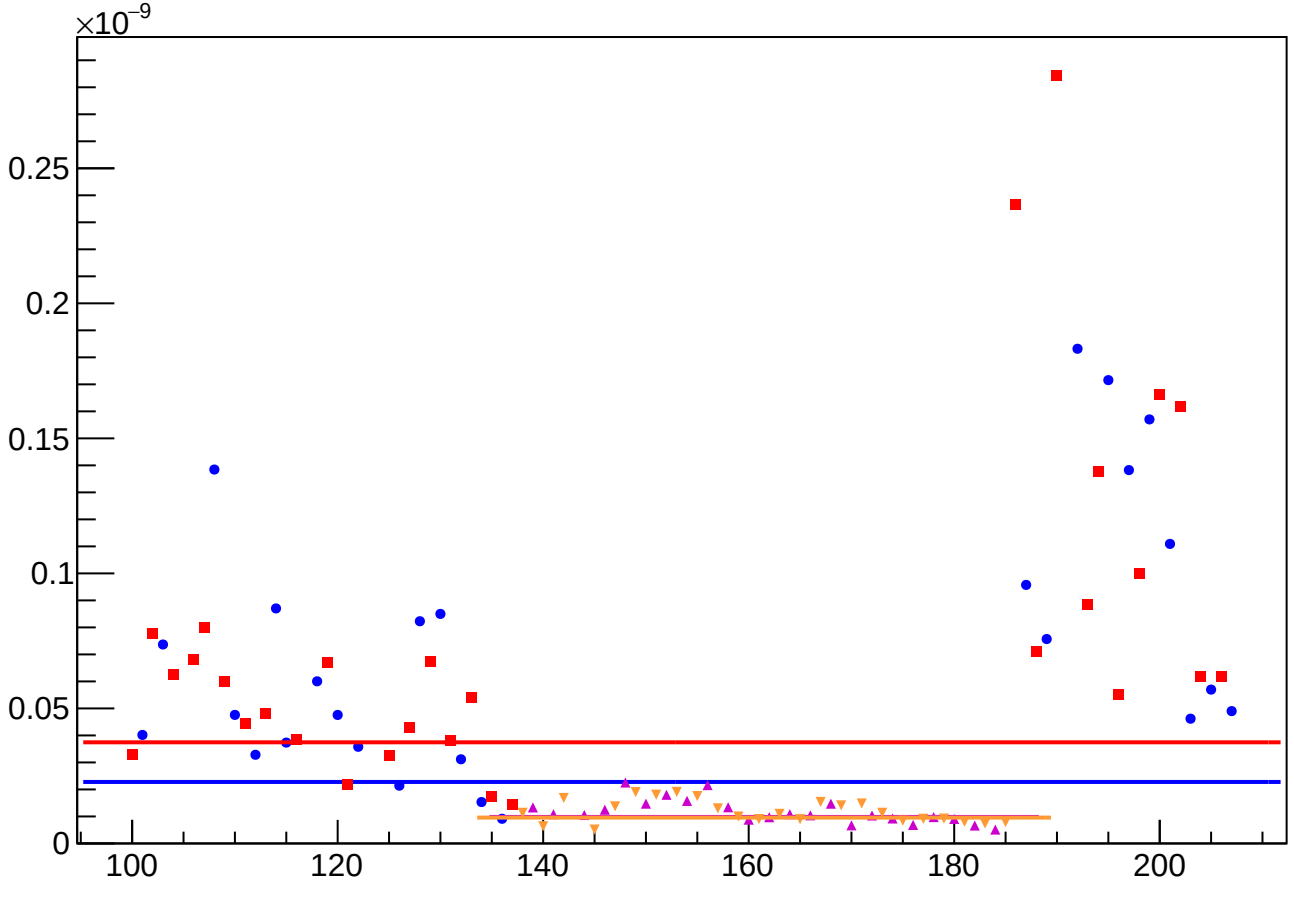
Right: 41.265+/-0.006 χ^2/NDF: 5126190.9/54

In: 41.544+/-0.006 χ^2/NDF:3450832.0/48

Out: 41.590+/-0.006 χ^2/NDF:4916555.3/52

All: 41.567+/-0.004 χ^2/NDF: 8367419.2/101


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: 23.9/25
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: 56.7/54
In: 0.000+/-0.000 χ²/NDF:52.5/48
Out: -0.000+/-0.000 χ²/NDF:62.1/52
All: -0.000+/-0.000 χ²/NDF: 114.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 8985361.0/25

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

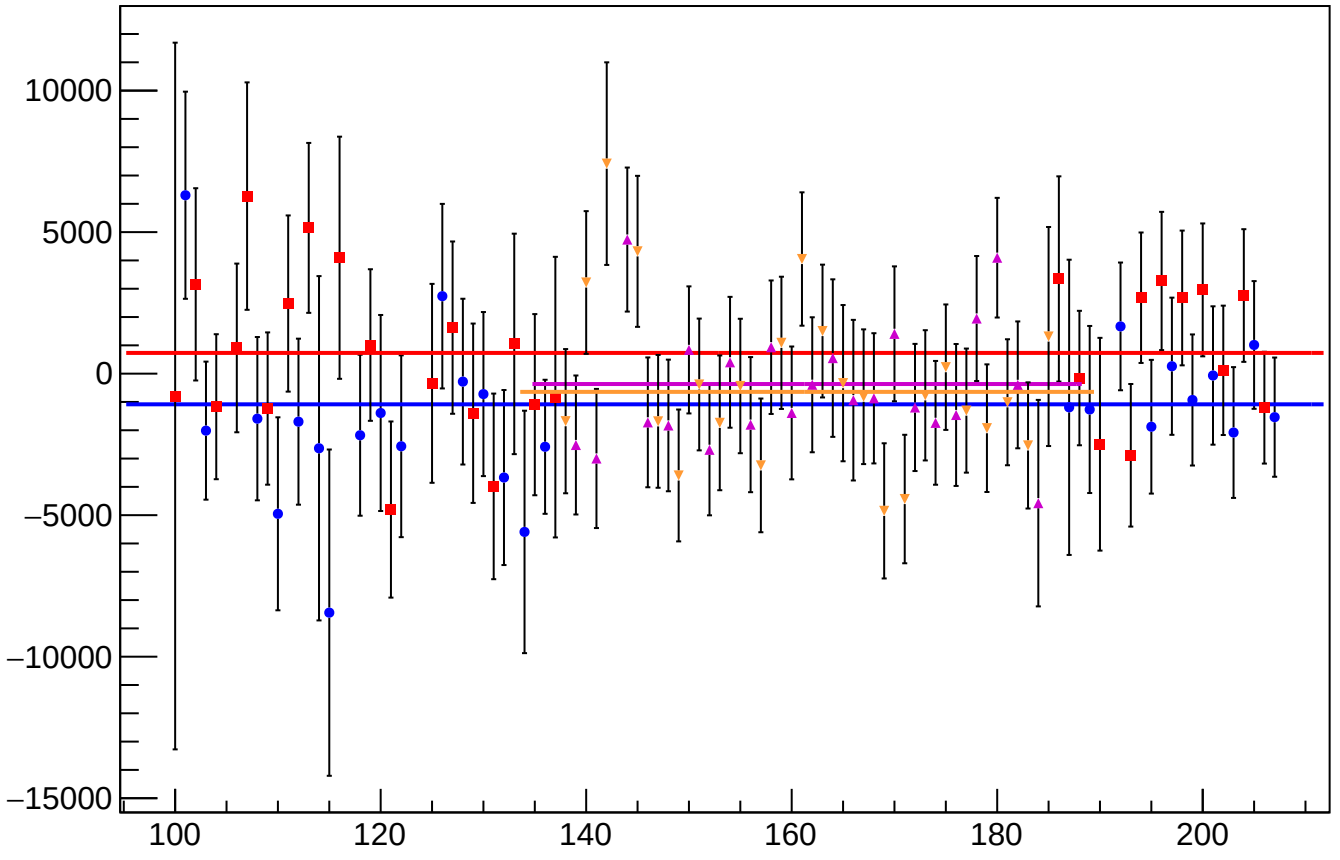
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 16640946.0/54

In: 0.000+/-0.000 χ^2/NDF:13784850.3/48

Out: 0.000+/-0.000 χ^2/NDF:15346288.6/52

All: 0.000+/-0.000 χ^2/NDF: 29133431.9/101



Right In: -1083.655+/-554.342 χ^2/NDF: 14.5/25

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

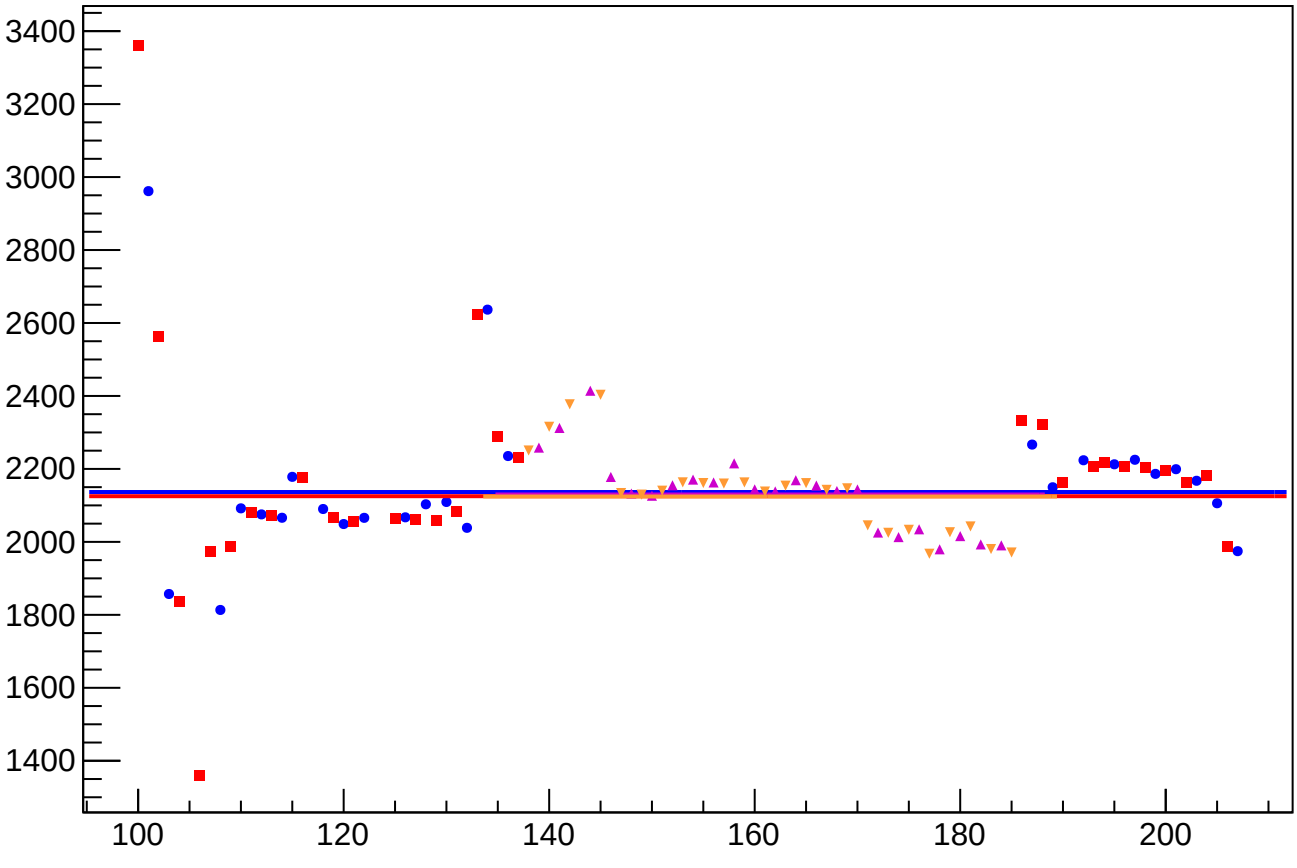
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -145.073+/-385.316 χ^2/NDF: 41.6/54

In: -686.860+/-370.419 χ^2/NDF:32.7/48

Out: -12.168+/-363.114 χ^2/NDF:52.2/52

All: -342.795+/-259.304 χ^2/NDF: 86.6/101



Right In: 2136.689+/-0.392 χ^2/NDF: 215256.2/25

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

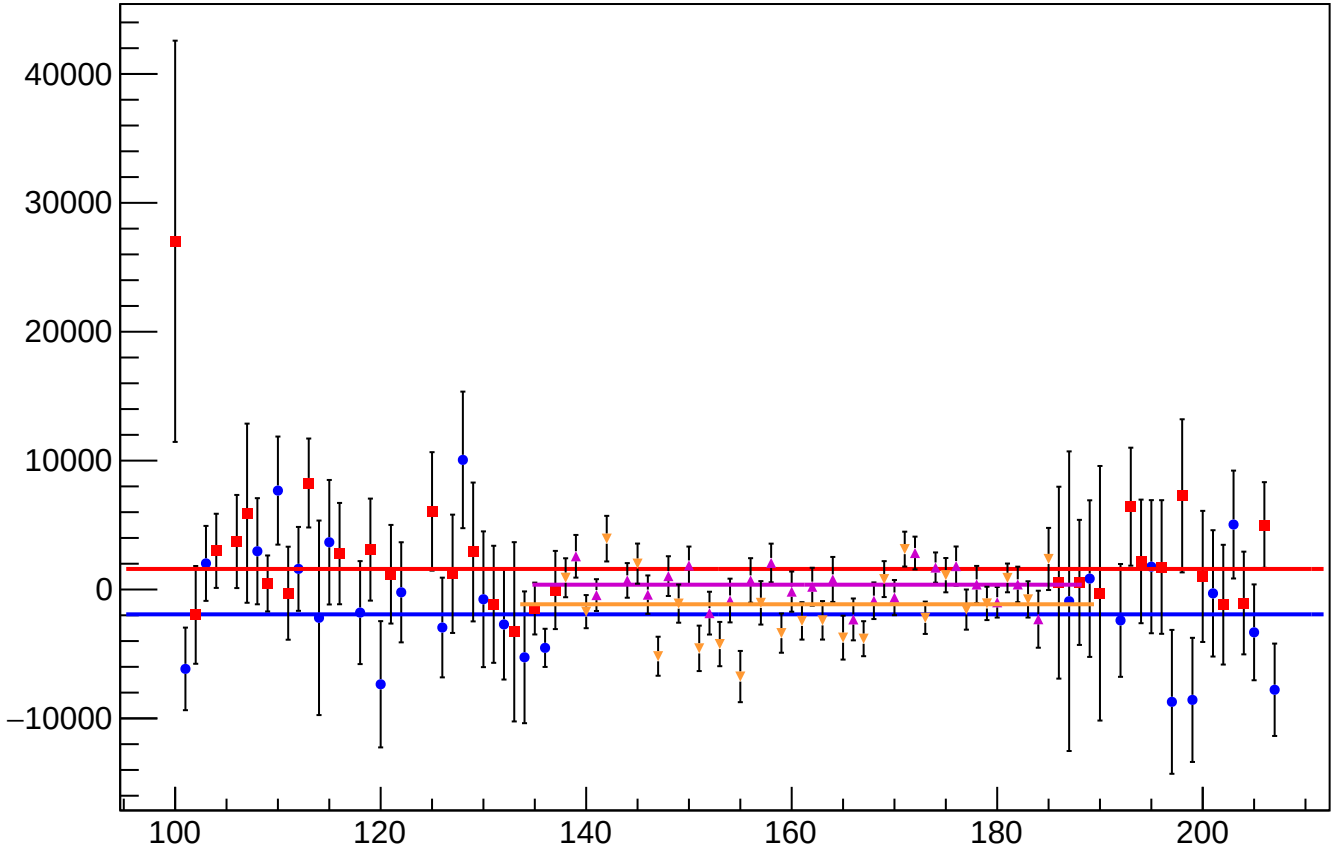
Right: 2130.758+/-0.272 χ^2/NDF: 521883.3/54

In: 2132.930+/-0.262 χ^2/NDF:300776.8/48

Out: 2124.794+/-0.257 χ^2/NDF:395370.6/52

All: 2128.781+/-0.183 χ^2/NDF: 696639.4/101

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1926.825+/-746.850 χ^2/NDF: 32.8/25

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1595.356+/-728.970 χ^2/NDF: 17.5/28

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

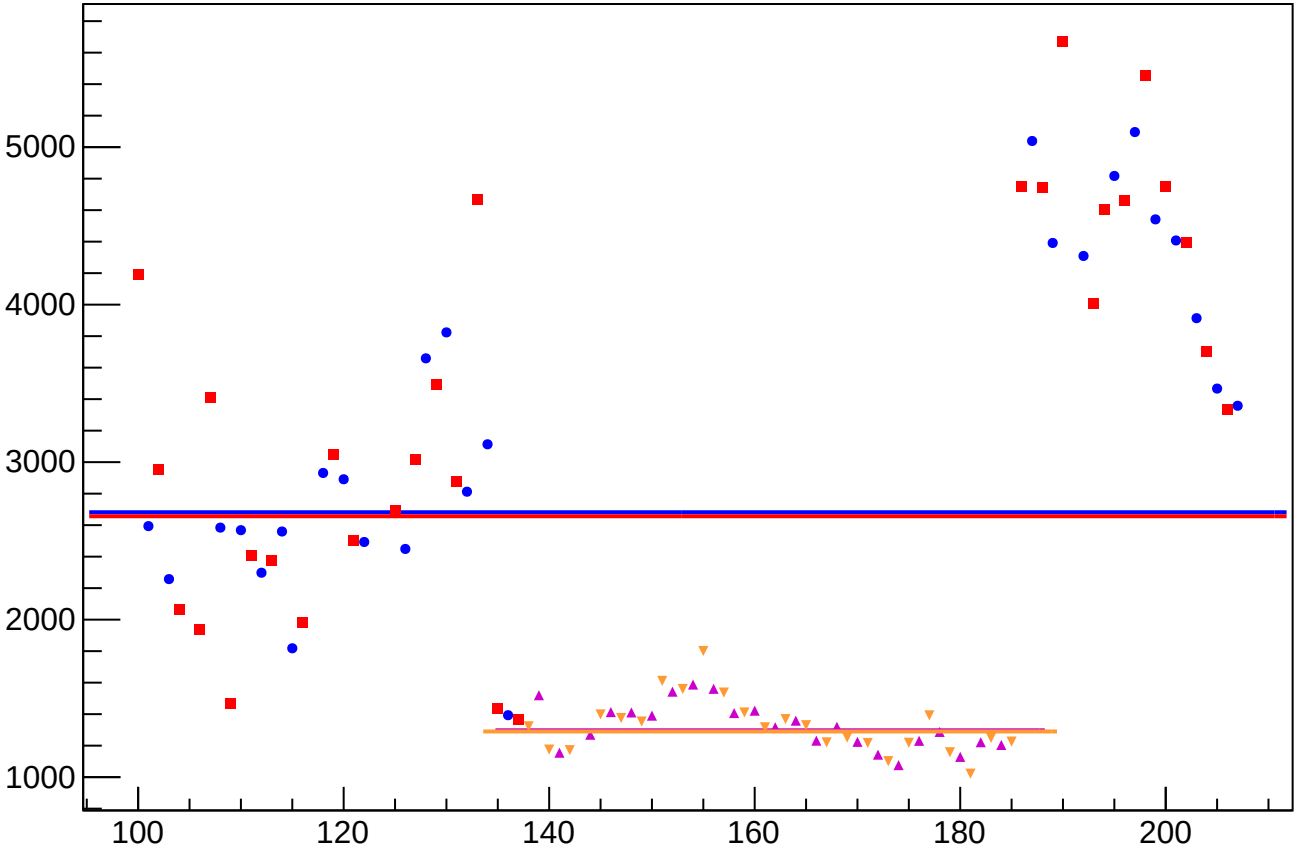
Right: -123.067+/-521.666 χ^2/NDF: 61.7/54

In: 43.830+/-282.662 χ^2/NDF:61.2/48

Out: -742.304+/-279.389 χ^2/NDF:97.1/52

All: -353.814+/-198.705 χ^2/NDF: 162.2/101

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2681.817+/-0.528 χ^2/NDF: 3967881.3/25

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

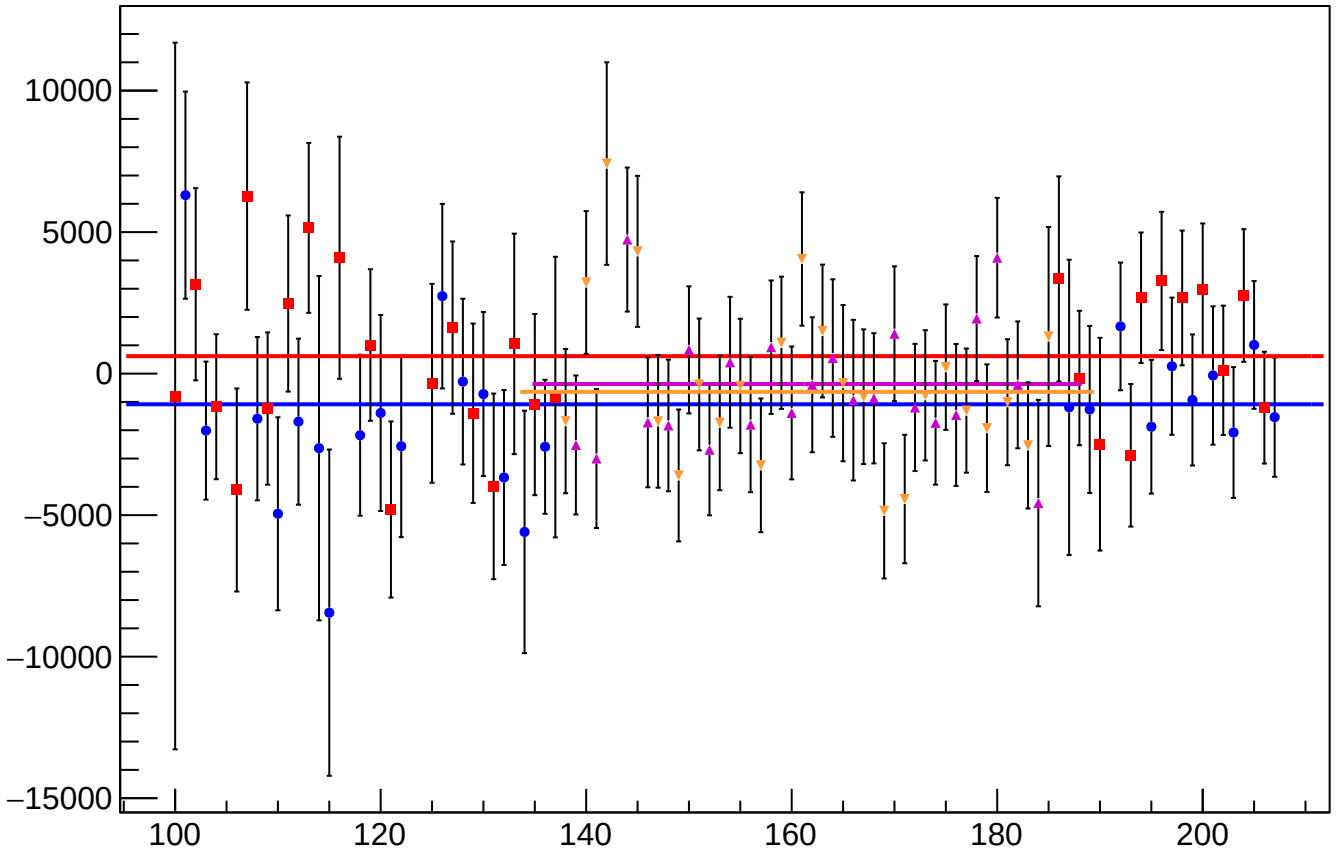
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2668.788+/-0.369 χ^2/NDF: 9020881.1/54

In: 1495.752+/-0.200 χ^2/NDF:10289250.8/48

Out: 1490.736+/-0.198 χ^2/NDF:11614021.0/52

All: 1493.215+/-0.141 χ^2/NDF: 21903590.3/1



Right In: -1083.707+/-554.342 χ^2/NDF: 14.5/25

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

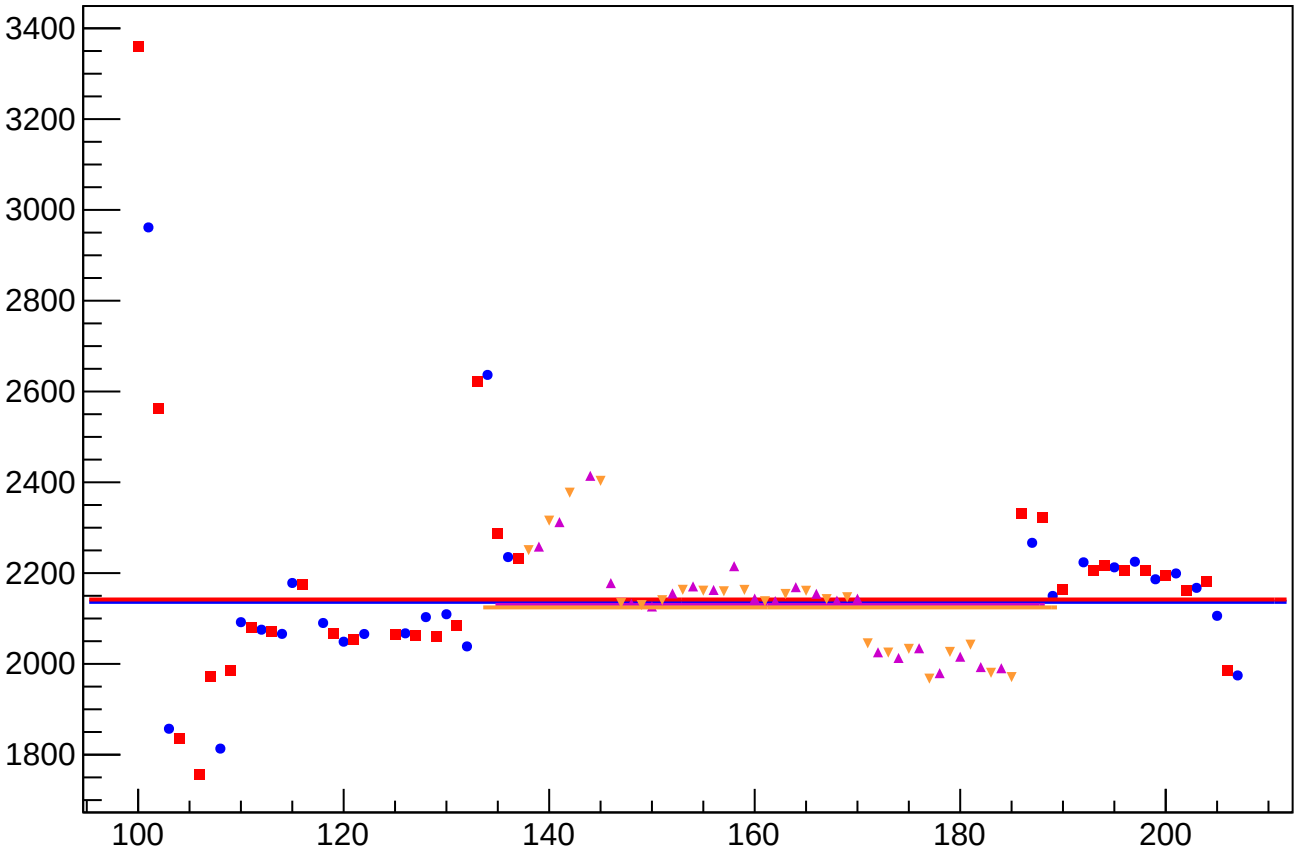
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -208.717+/-386.318 χ^2/NDF: 42.7/54

In: -686.823+/-370.419 χ^2/NDF:32.7/48

Out: -67.944+/-363.952 χ^2/NDF:53.4/52

All: -371.934+/-259.609 χ^2/NDF: 87.6/101



Right In: 2136.689+/-0.392 χ^2/NDF: 215256.5/25

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

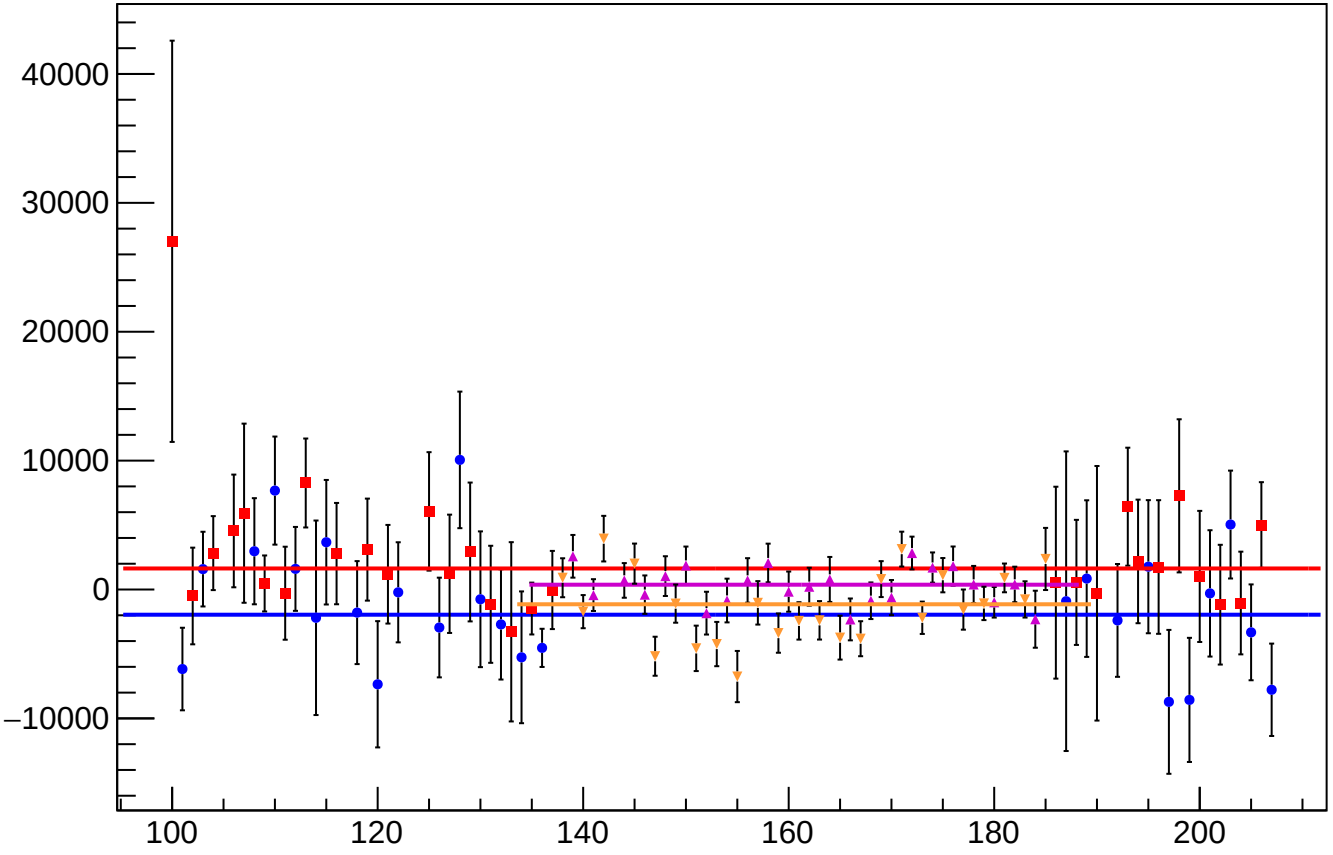
Right: 2139.352+/-0.273 χ^2/NDF: 409219.1/54

In: 2132.930+/-0.262 χ^2/NDF:300777.1/48

Out: 2132.394+/-0.257 χ^2/NDF:284194.9/52

All: 2132.657+/-0.184 χ^2/NDF: 584974.2/101

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -1955.256+/-746.661 χ^2/NDF: 32.4/25

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

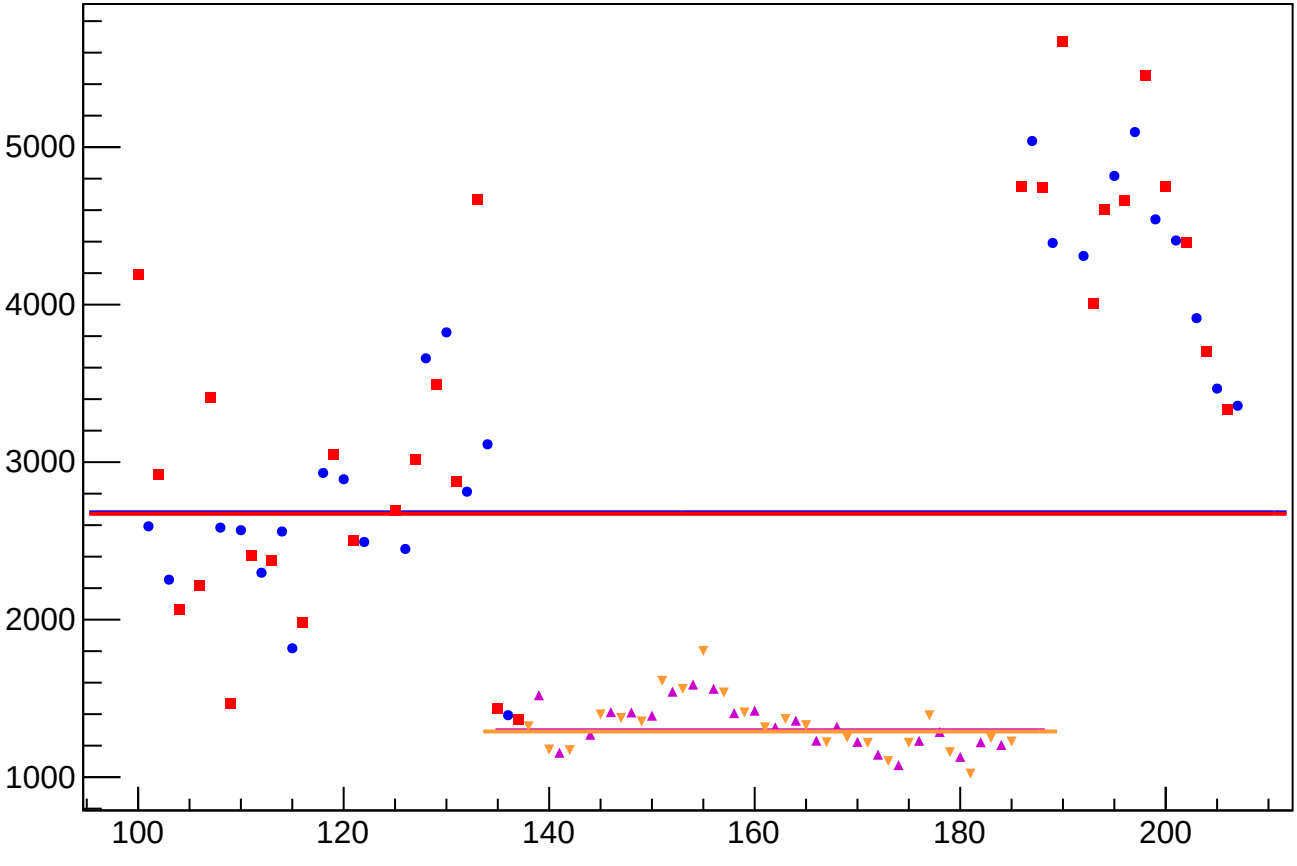
Right: -128.882+/-523.180 χ^2/NDF: 61.2/54

In: 39.512+/-282.652 χ^2/NDF:61.0/48

Out: -740.885+/-279.633 χ^2/NDF:96.8/52

All: -354.876+/-198.789 χ^2/NDF: 161.7/101

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2681.325+/-0.528 χ^2/NDF: 3968904.7/25

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

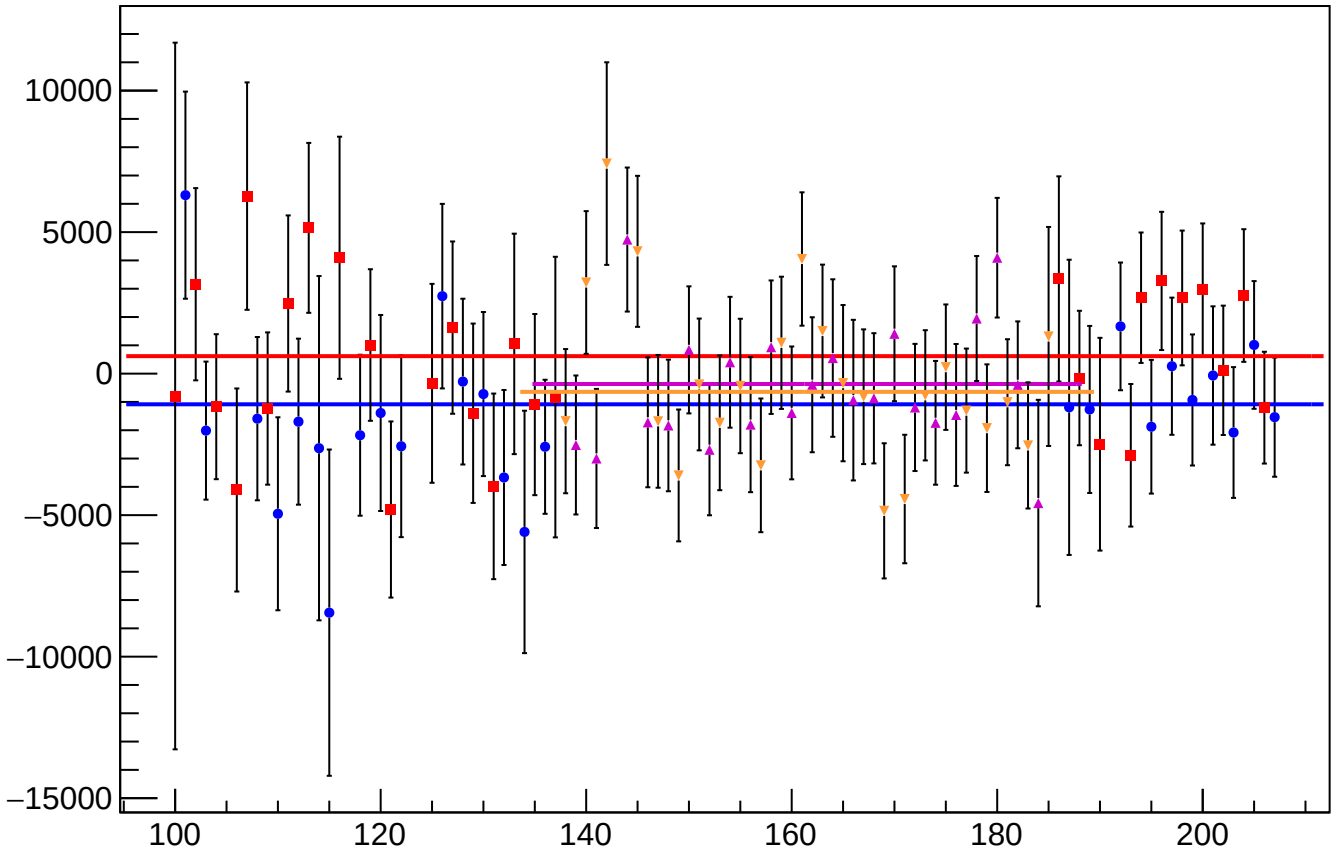
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2676.728+/-0.370 χ^2/NDF: 8960424.2/54

In: 1495.771+/-0.200 χ^2/NDF:10288621.0/48

Out: 1491.045+/-0.198 χ^2/NDF:11632208.6/52

All: 1493.382+/-0.141 χ^2/NDF: 21921112.2/1



Right In: -1083.707+/-554.342 χ^2/NDF: 14.5/25

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

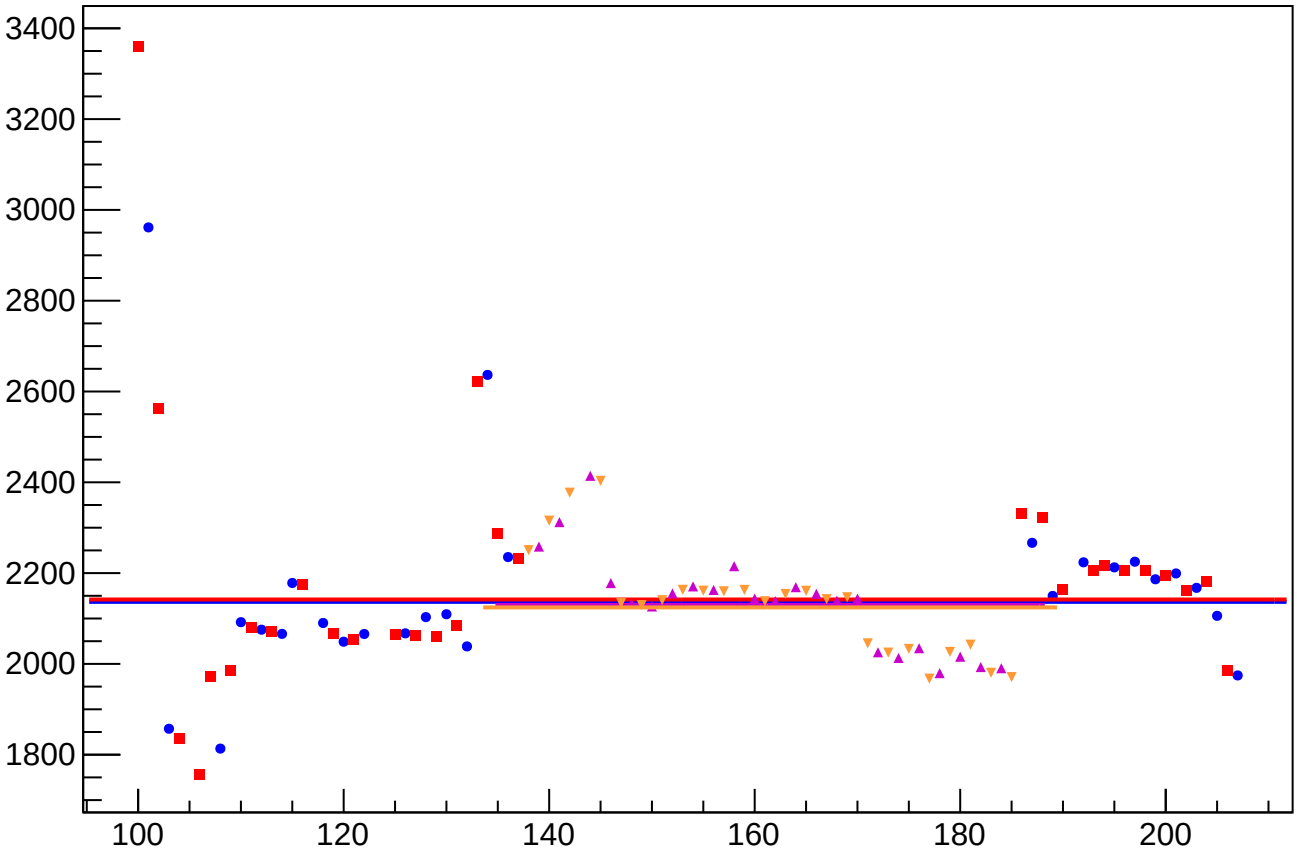
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -208.717+/-386.318 χ^2/NDF: 42.7/54

In: -686.823+/-370.419 χ^2/NDF:32.7/48

Out: -67.944+/-363.952 χ^2/NDF:53.4/52

All: -371.934+/-259.609 χ^2/NDF: 87.6/101



Right In: 2136.689+/-0.392 χ^2/NDF: 215256.5/25

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

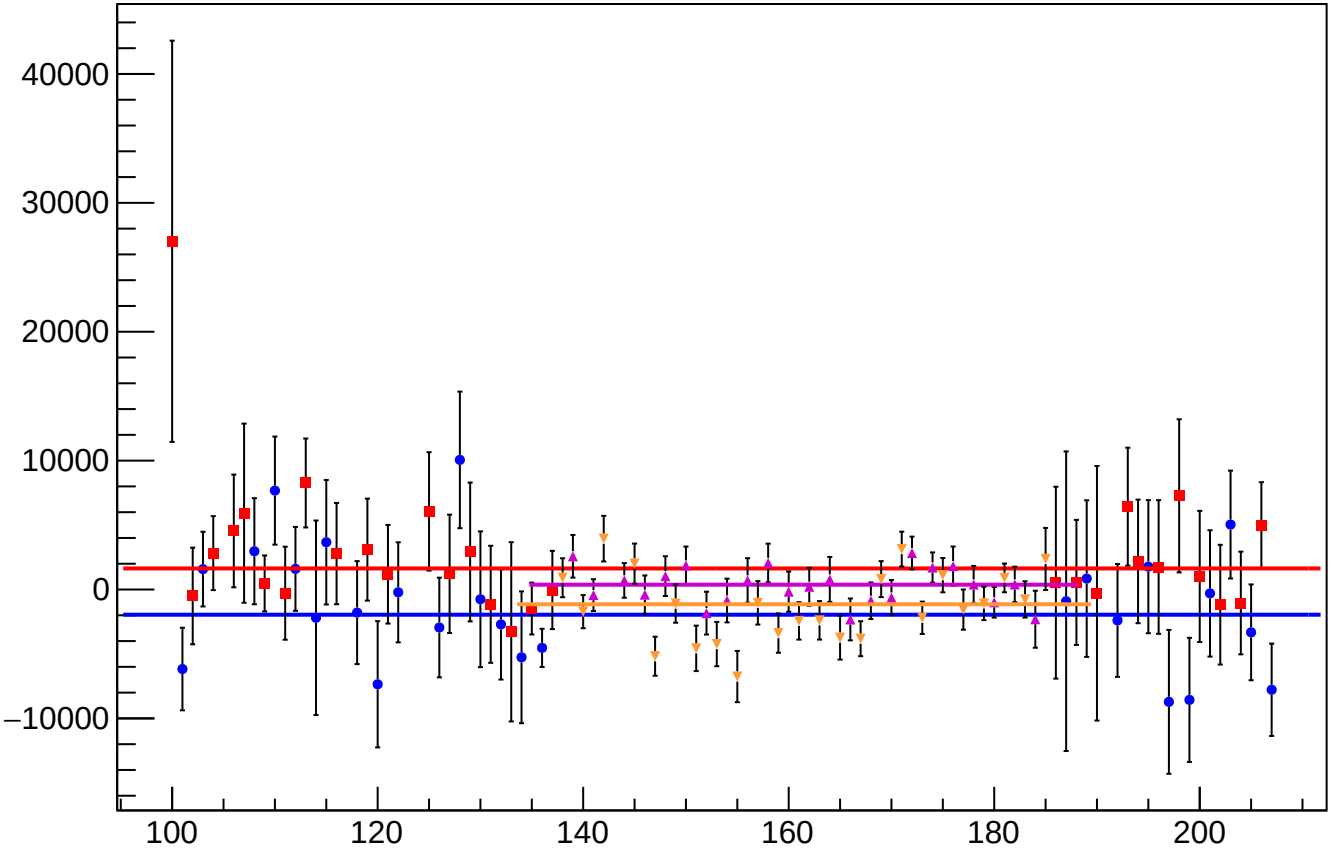
Right: 2139.352+/-0.273 χ^2/NDF: 409219.1/54

In: 2132.930+/-0.262 χ^2/NDF:300777.1/48

Out: 2132.394+/-0.257 χ^2/NDF:284194.9/52

All: 2132.657+/-0.184 χ^2/NDF: 584974.2/101

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1955.256+/-746.661 χ^2/NDF: 32.4/25

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

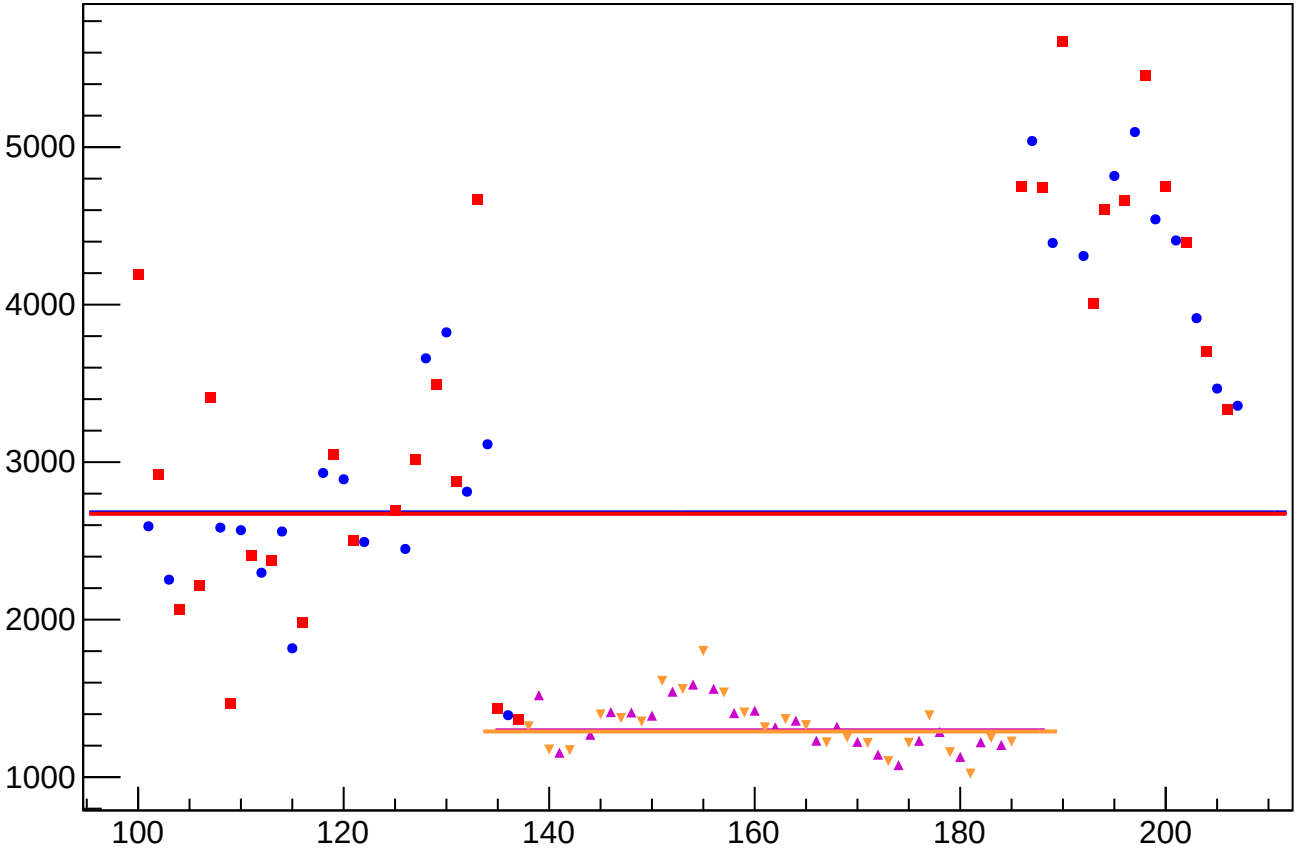
Right: -128.882+/-523.180 χ^2/NDF: 61.2/54

In: 39.512+/-282.652 χ^2/NDF:61.0/48

Out: -740.885+/-279.633 χ^2/NDF:96.8/52

All: -354.876+/-198.789 χ^2/NDF: 161.7/101

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2681.325+/-0.528 χ^2/NDF: 3968904.7/25

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

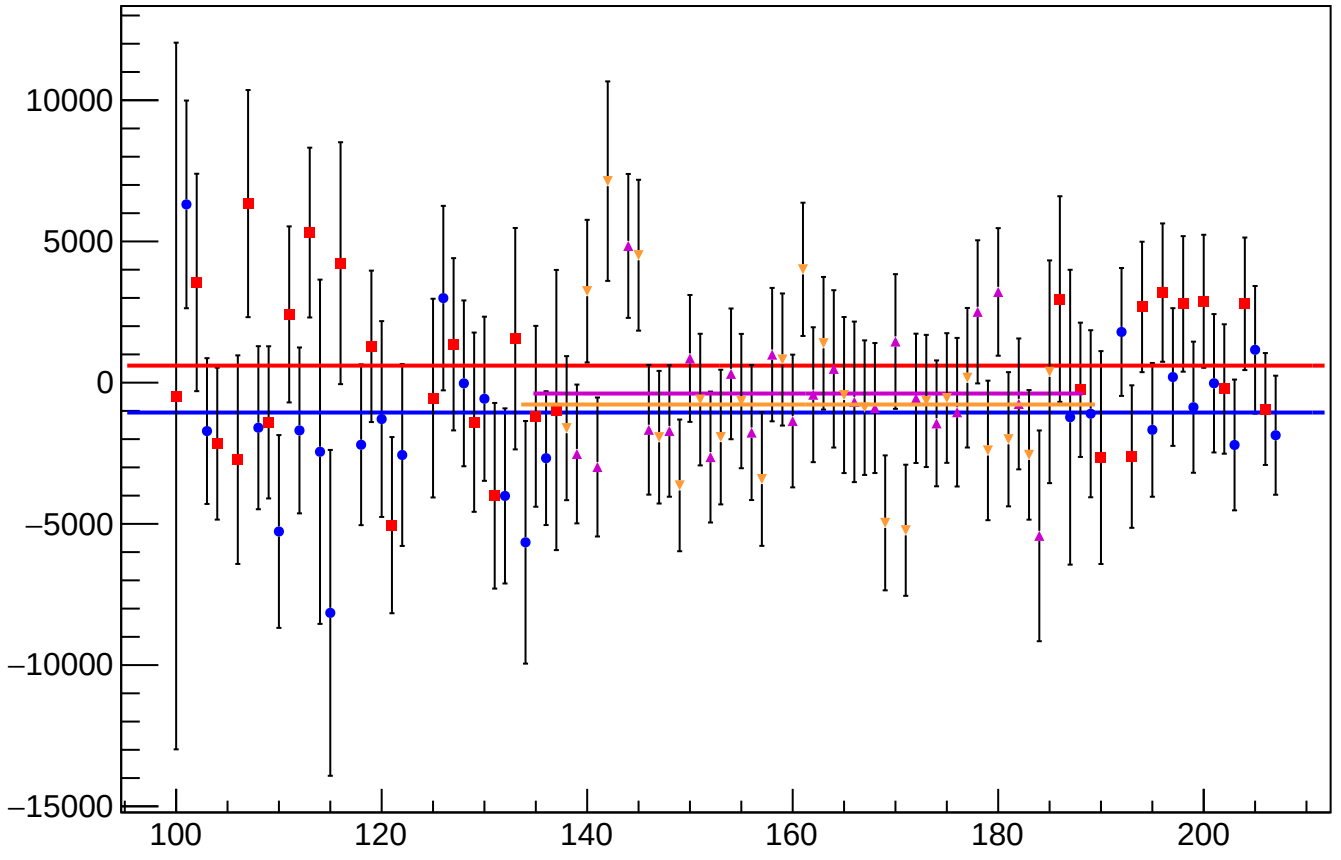
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2676.728+/-0.370 χ^2/NDF: 8960424.2/54

In: 1495.771+/-0.200 χ^2/NDF:10288621.0/48

Out: 1491.045+/-0.198 χ^2/NDF:11632208.6/52

All: 1493.382+/-0.141 χ^2/NDF: 21921112.2/1



Right In: -1057.635+/-557.014 χ^2/NDF: 15.3/25

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 603.342+/-542.830 χ^2/NDF: 23.1/28

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

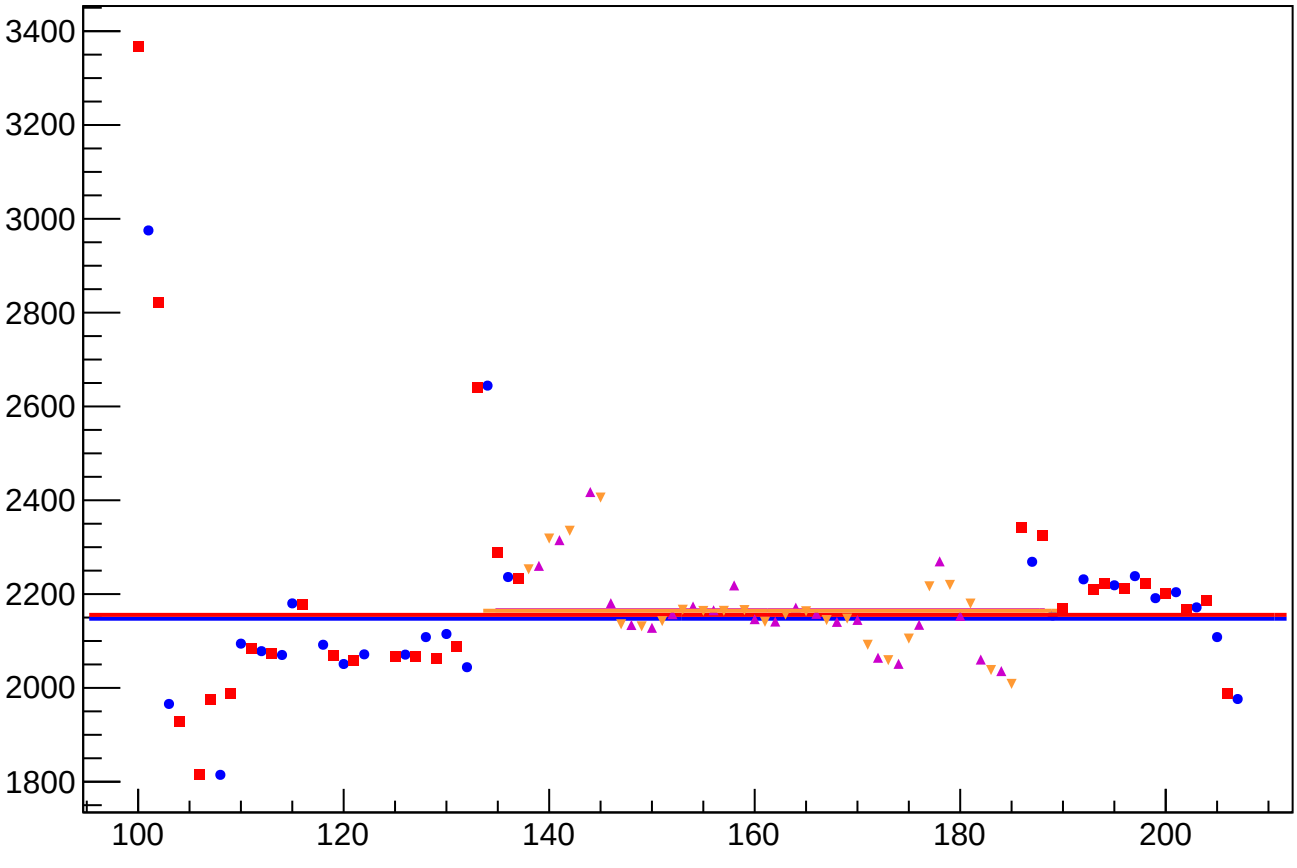
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -205.729+/-388.757 χ^2/NDF: 43.0/54

In: -689.294+/-374.557 χ^2/NDF:31.7/48

Out: -137.732+/-368.880 χ^2/NDF:55.2/52

All: -409.302+/-262.822 χ^2/NDF: 88.0/101



Right In: 2147.505+/-0.394 χ^2/NDF: 200984.1/25

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

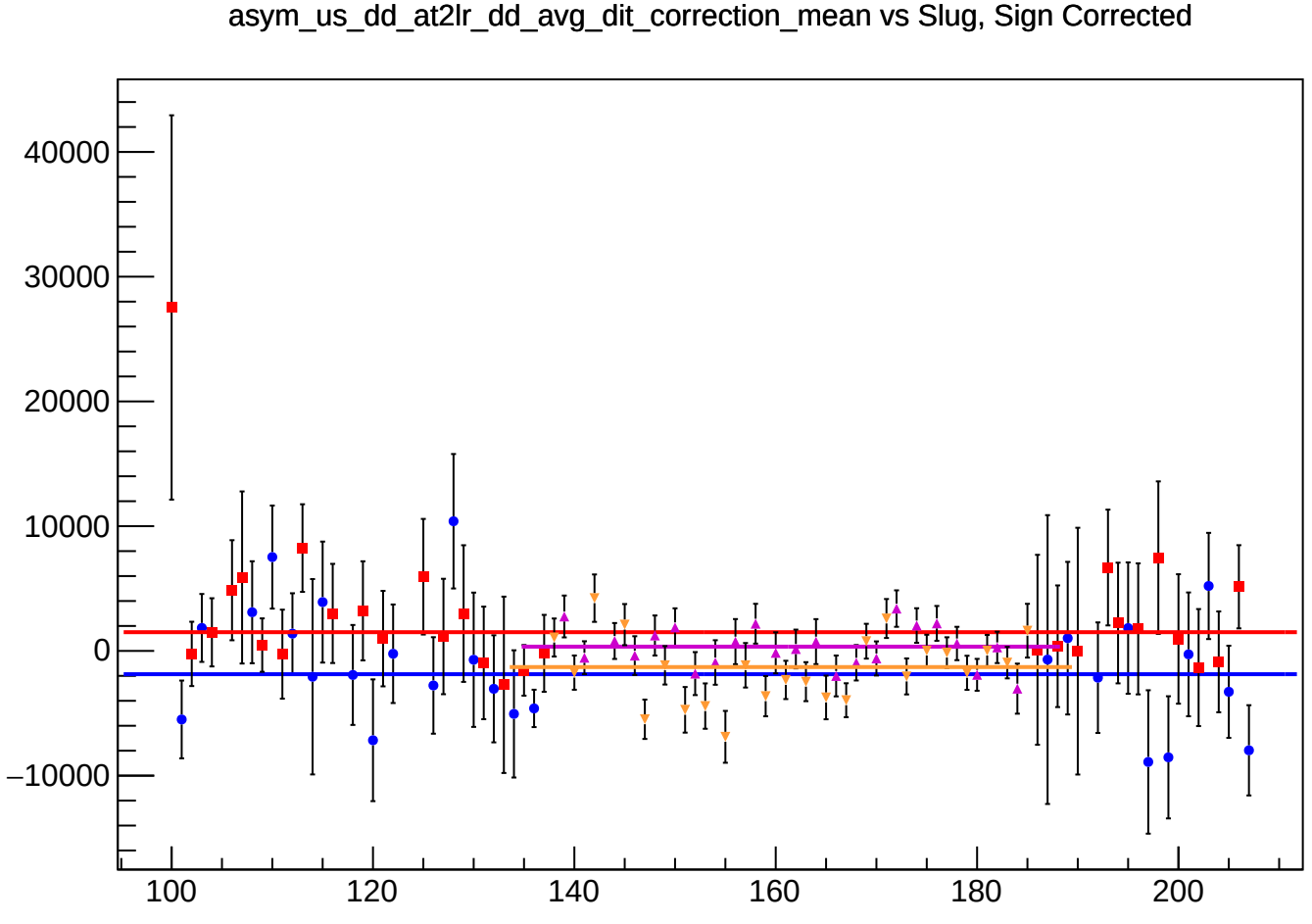
Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

Right: 2151.721+/-0.275 χ^2/NDF: 405407.2/54

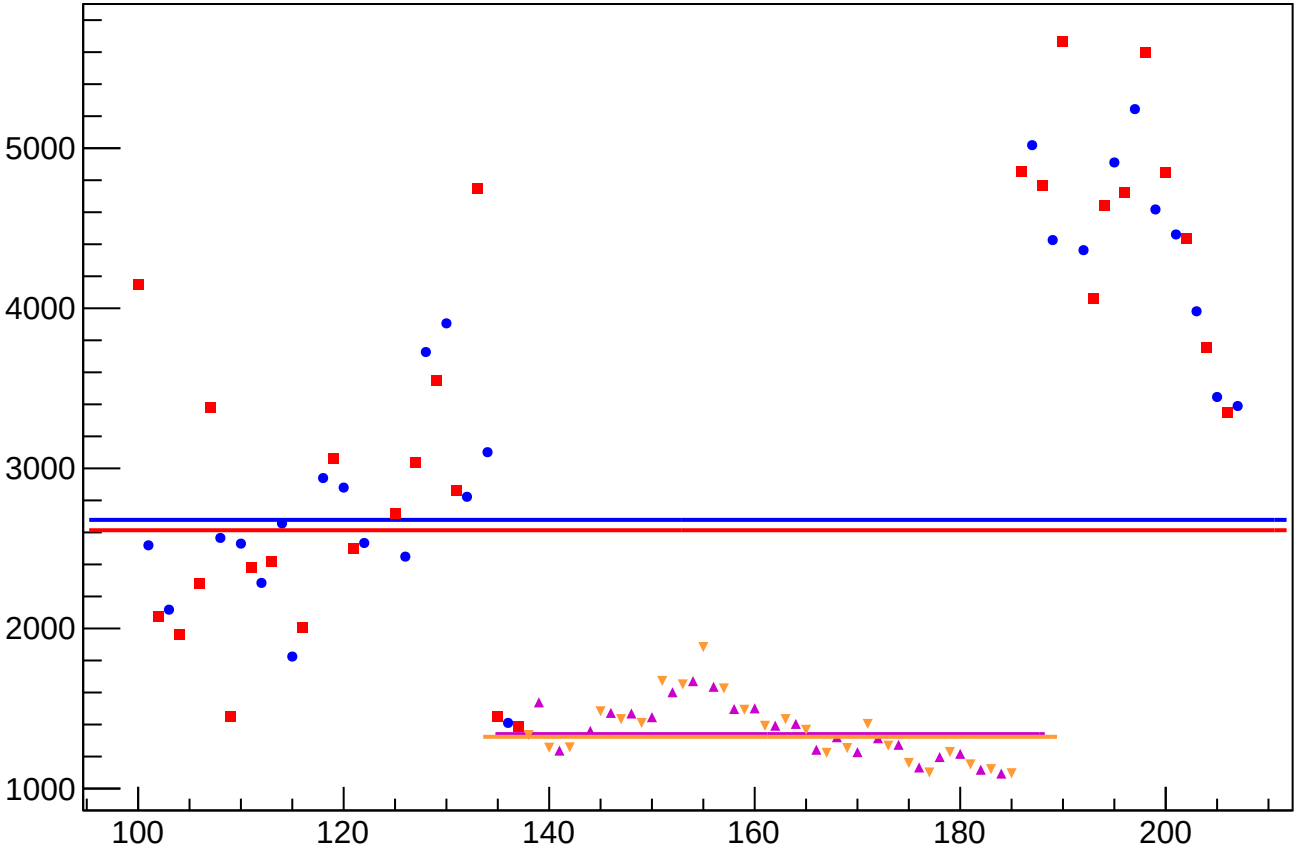
In: 2157.442+/-0.265 χ^2/NDF:254270.3/48

Out: 2160.465+/-0.261 χ^2/NDF:255159.4/52

All: 2158.977+/-0.186 χ^2/NDF: 509495.8/101


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
100
120
140
160
180
200
Right In: -1867.037+/-747.109 χ²/NDF: 32.7/25
Left Out: -1293.716+/-310.622 χ²/NDF:58.7/23
Right Out: 1501.092+/-717.302 χ²/NDF: 17.4/28
Left In: 341.259+/-315.566 χ²/NDF:24.8/22
Left: -489.137+/-221.370 χ²/NDF: 97.1/46
Right: -114.446+/-517.426 χ²/NDF: 60.7/54
In: 6.930+/-290.698 χ²/NDF:64.8/48
Out: -852.380+/-285.043 χ²/NDF:88.9/52
All: -431.165+/-203.526 χ²/NDF: 158.2/101

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 2678.412+/-0.528 χ^2/NDF: 4051296.2/25

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

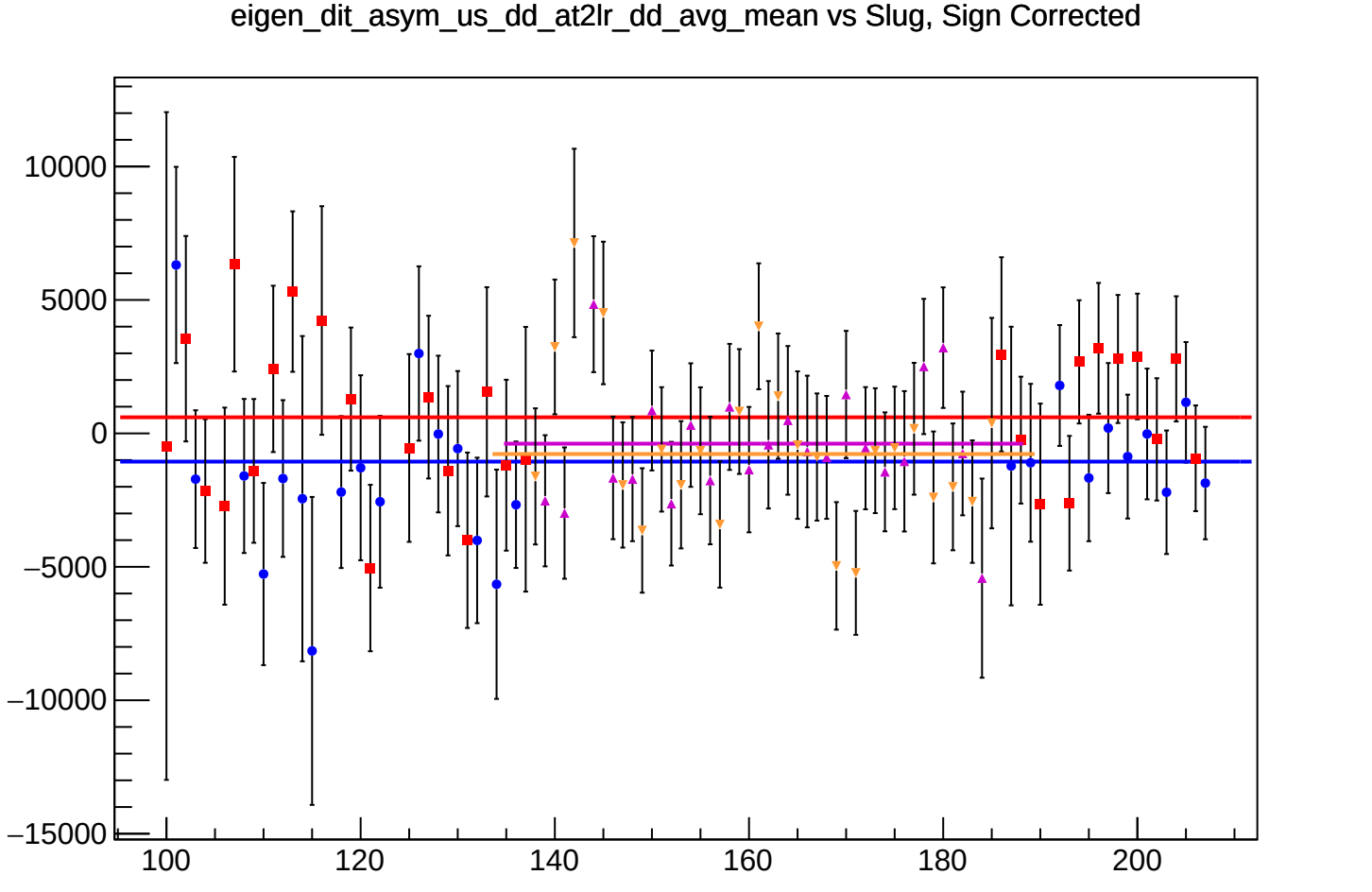
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

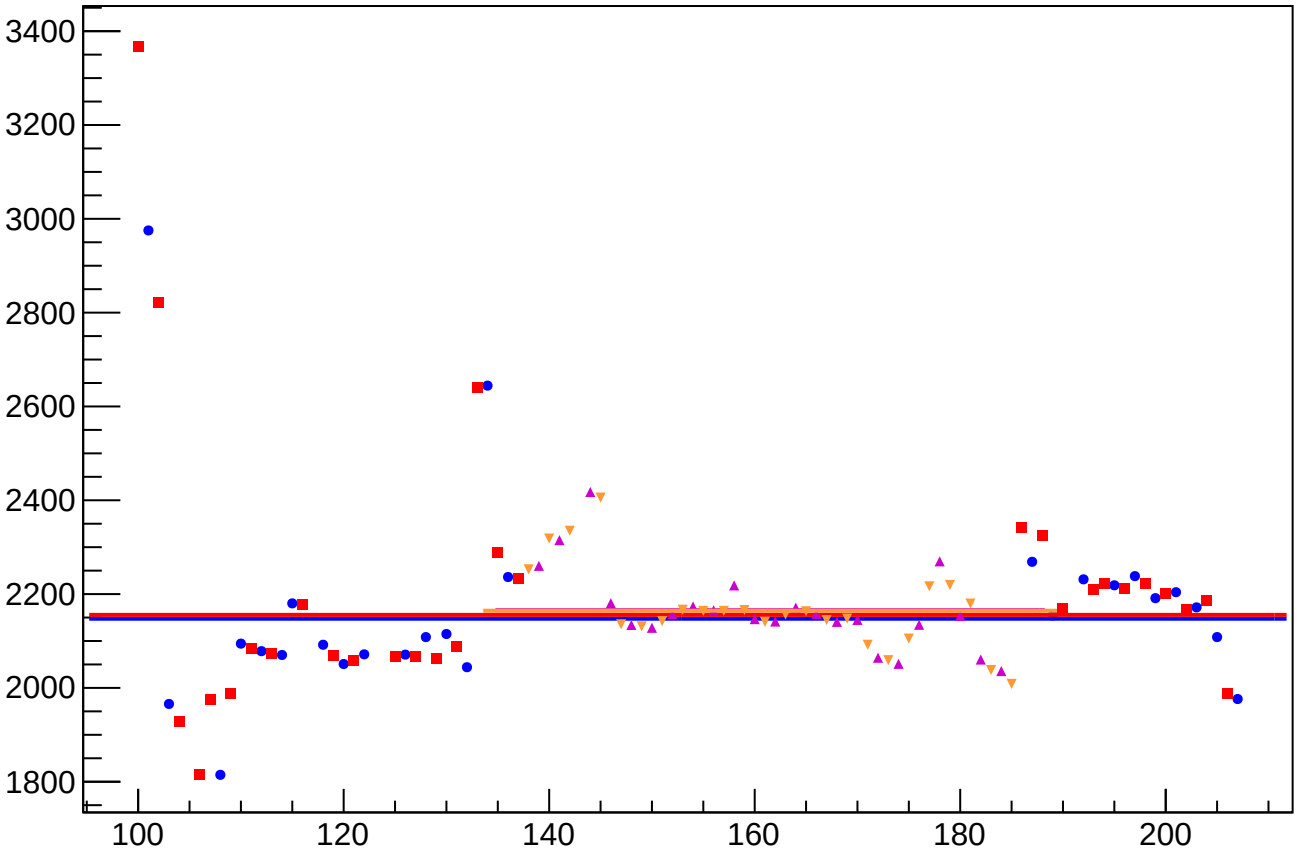
Right: 2644.716+/-0.366 χ^2/NDF: 9264980.4/54

In: 1542.703+/-0.206 χ^2/NDF:9991736.4/48

Out: 1527.149+/-0.202 χ^2/NDF:11318917.0/52

All: 1534.774+/-0.144 χ^2/NDF: 21313572.3/1


eigen_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: -1057.633+/-557.014 χ²/NDF: 15.3/25
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: -205.729+/-388.757 χ²/NDF: 43.0/54
In: -689.292+/-374.557 χ²/NDF:31.7/48
Out: -137.731+/-368.880 χ²/NDF:55.2/52
All: -409.300+/-262.822 χ²/NDF: 88.0/101



Right In: 2147.505+/-0.394 χ^2/NDF: 200984.0/25

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

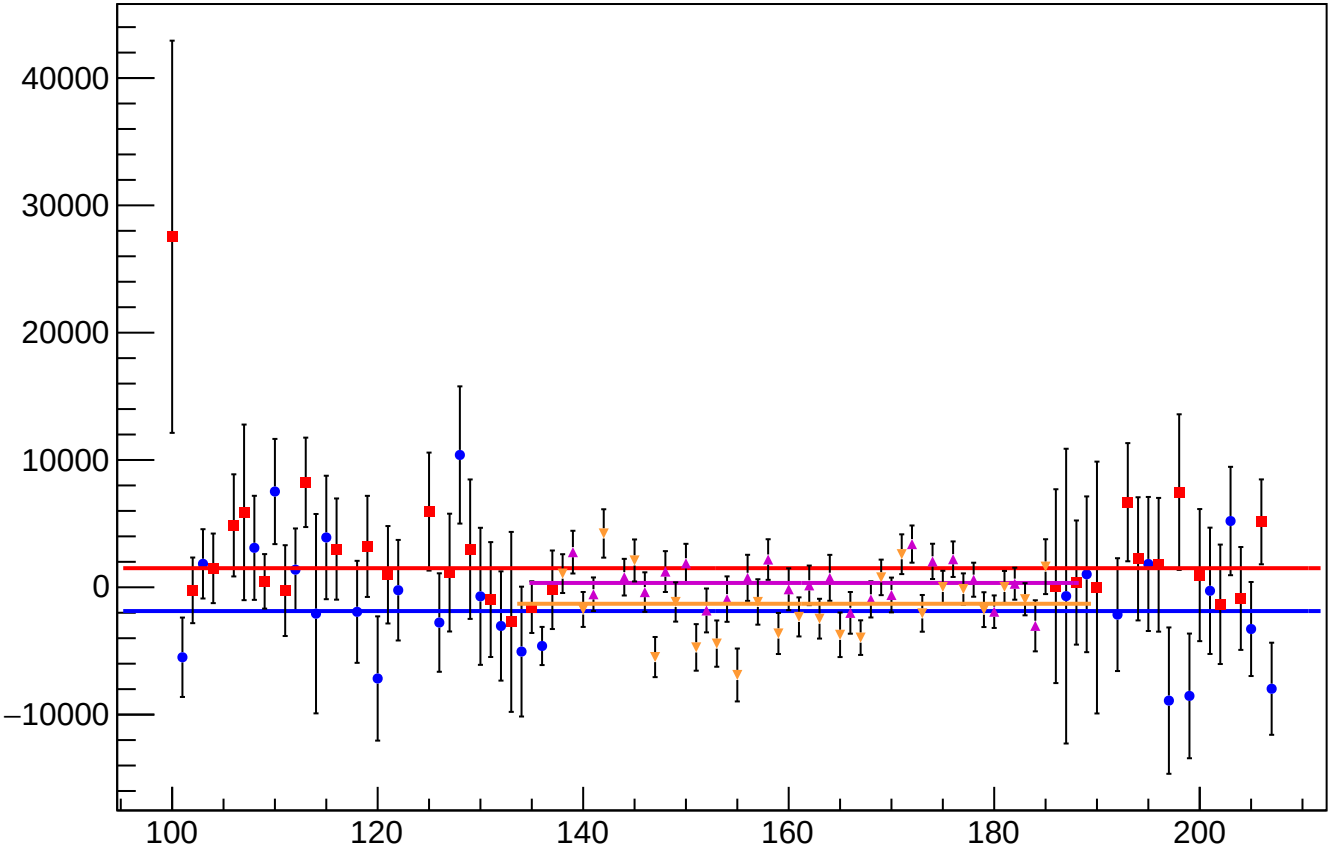
Right: 2151.721+/-0.275 χ^2/NDF: 405407.1/54

In: 2157.441+/-0.265 χ^2/NDF:254270.2/48

Out: 2160.465+/-0.261 χ^2/NDF:255159.3/52

All: 2158.976+/-0.186 χ^2/NDF: 509495.6/101

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1867.028+/-747.111 χ^2/NDF: 32.7/25

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1501.107+/-717.304 χ^2/NDF: 17.4/28

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

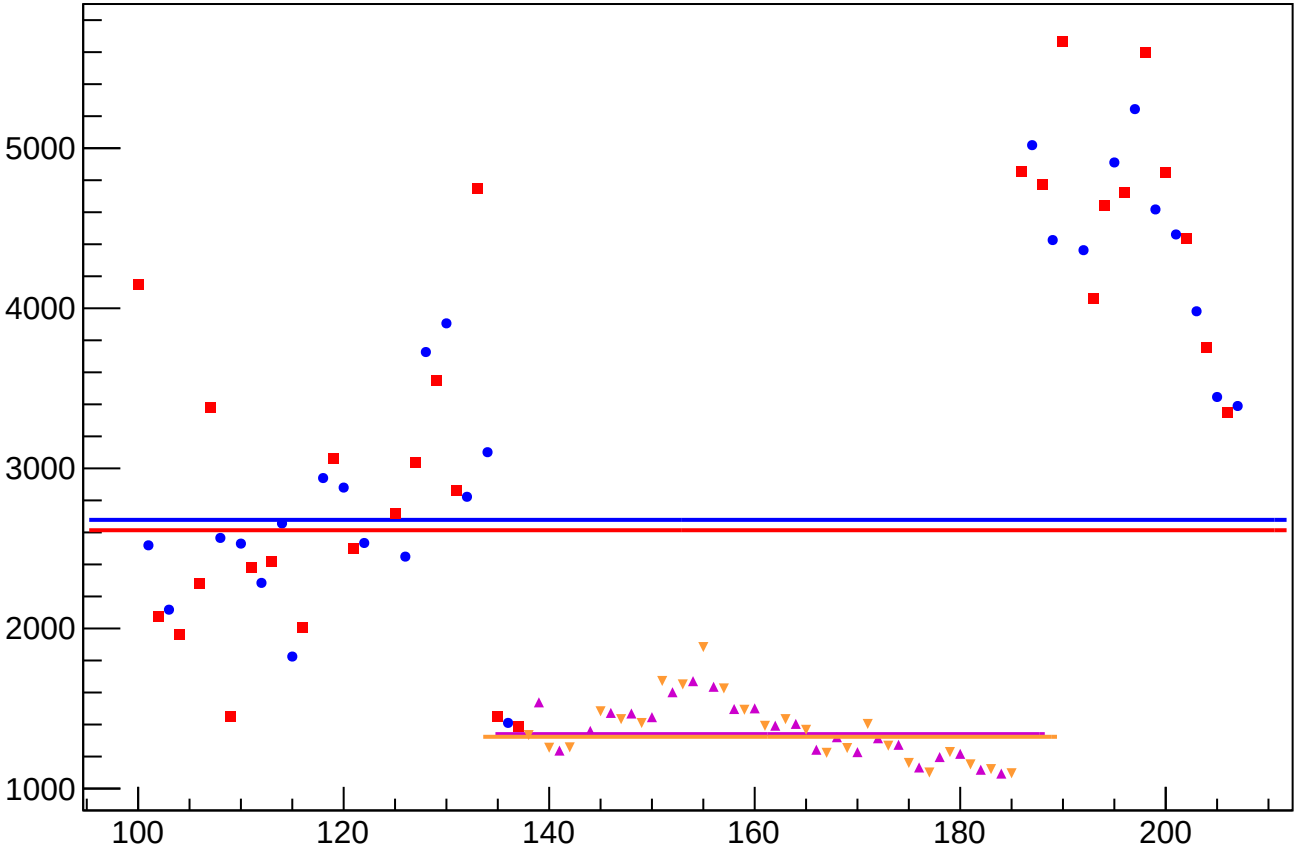
Right: -114.435+/-517.427 χ^2/NDF: 60.7/54

In: 6.931+/-290.698 χ^2/NDF:64.8/48

Out: -852.381+/-285.043 χ^2/NDF:88.9/52

All: -431.165+/-203.526 χ^2/NDF: 158.2/101

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2678.423+/-0.528 χ^2/NDF: 4051201.4/25

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

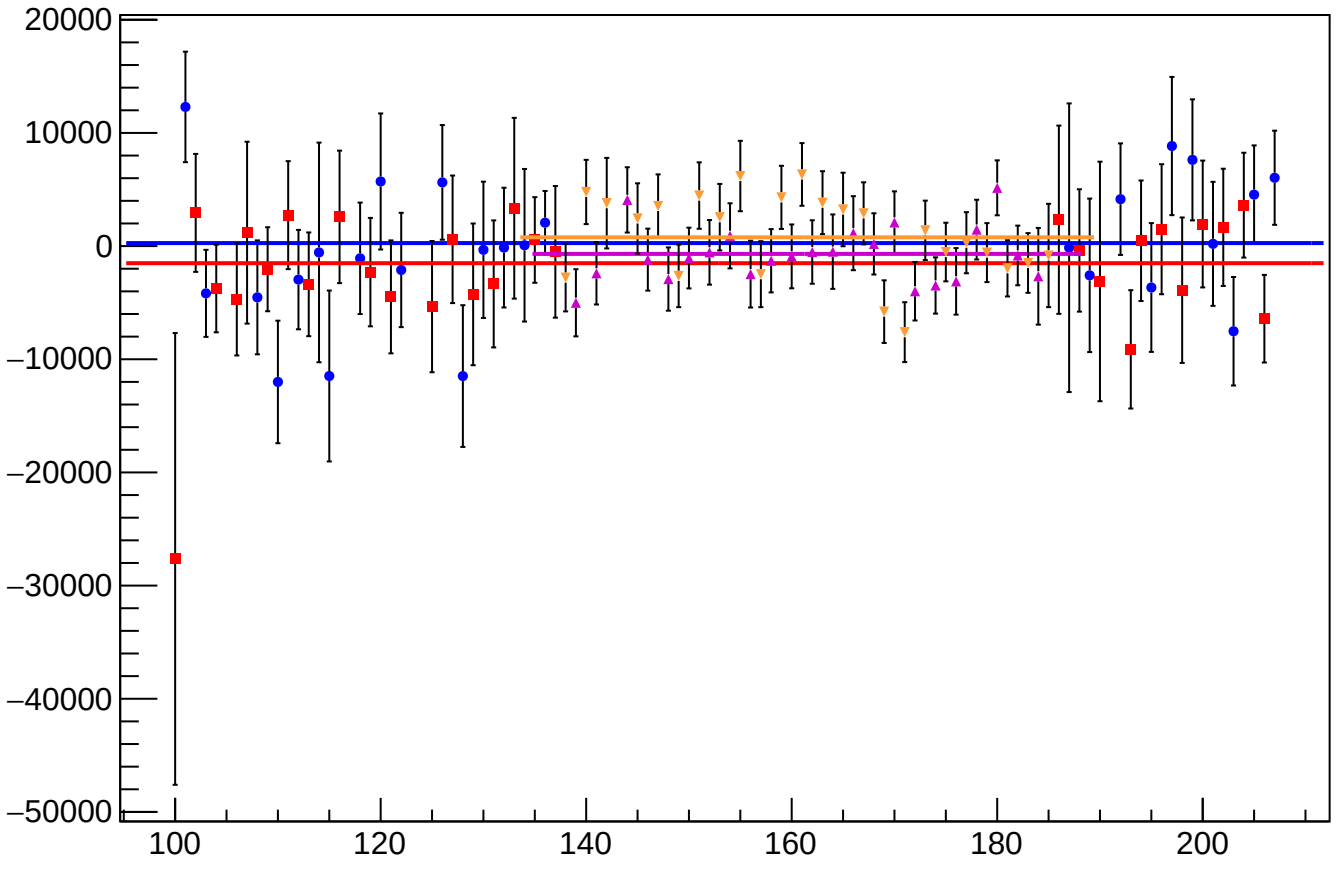
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2644.727+/-0.366 χ^2/NDF: 9264796.3/54

In: 1542.702+/-0.206 χ^2/NDF:9991733.5/48

Out: 1527.150+/-0.202 χ^2/NDF:11318904.2/52

All: 1534.774+/-0.144 χ^2/NDF: 21313556.1/1



Right In: 266.394+/-1001.140 χ^2/NDF: 33.3/25

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

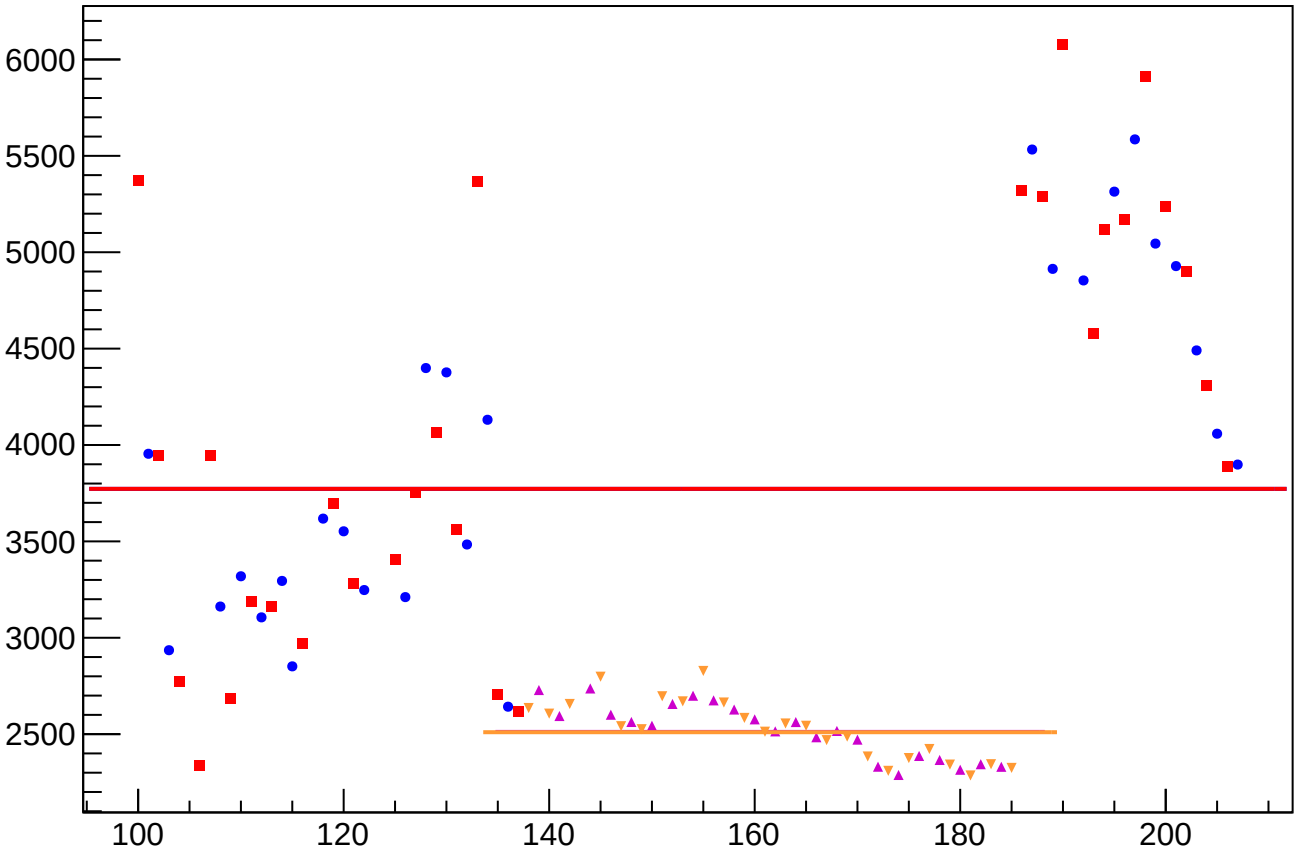
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -639.849+/-700.633 χ^2/NDF: 48.2/54

In: -445.041+/-506.653 χ^2/NDF:52.3/48

Out: 177.349+/-501.597 χ^2/NDF:56.6/52

All: -130.725+/-356.457 χ^2/NDF: 109.7/101



Right In: 3772.338+/-0.708 χ^2/NDF: 1421515.6/25

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

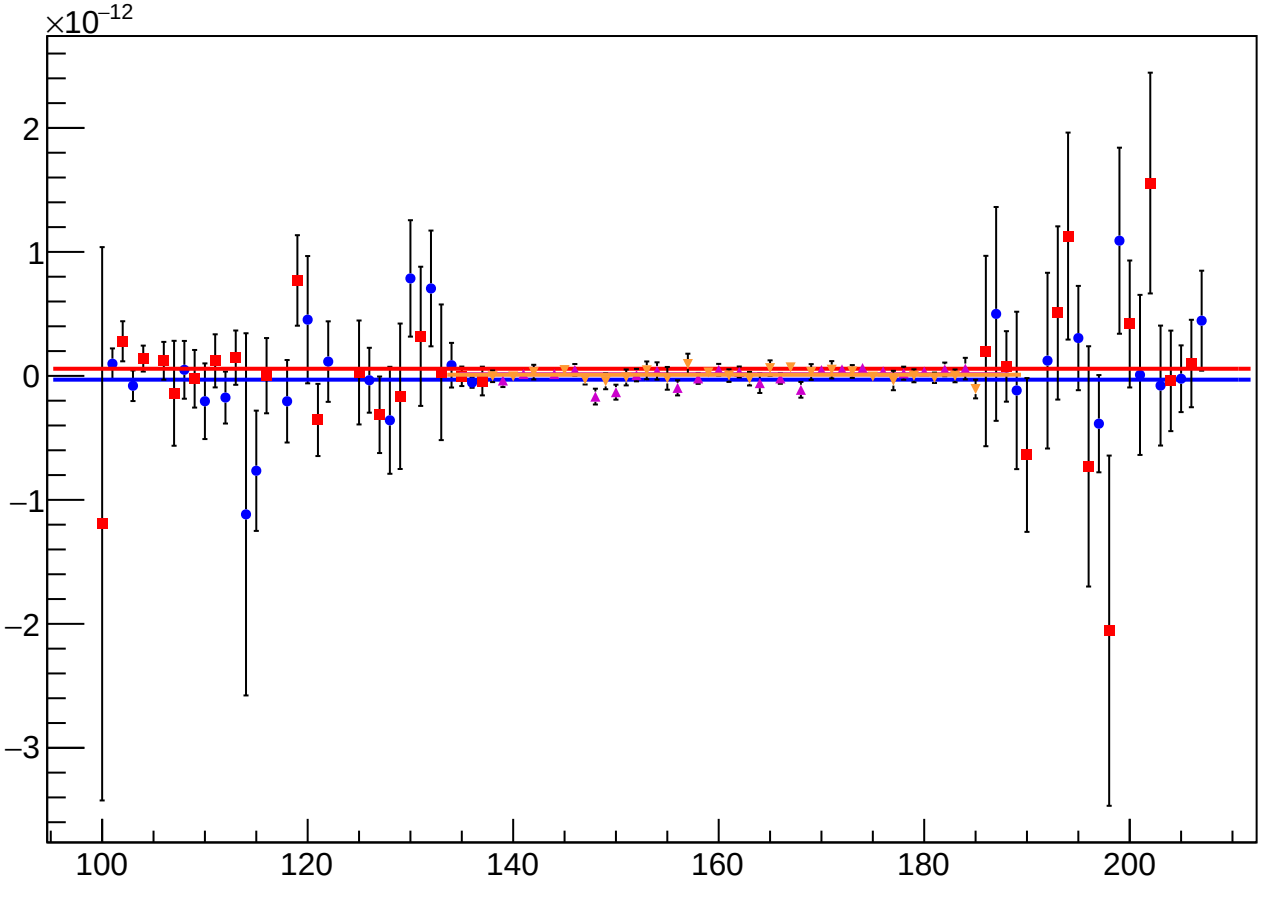
Right: 3772.441+/-0.495 χ^2/NDF: 3462881.7/54

In: 2834.501+/-0.358 χ^2/NDF:3894335.0/48

Out: 2840.227+/-0.355 χ^2/NDF:4616843.4/52

All: 2837.393+/-0.252 χ^2/NDF: 8511307.4/10

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/25

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

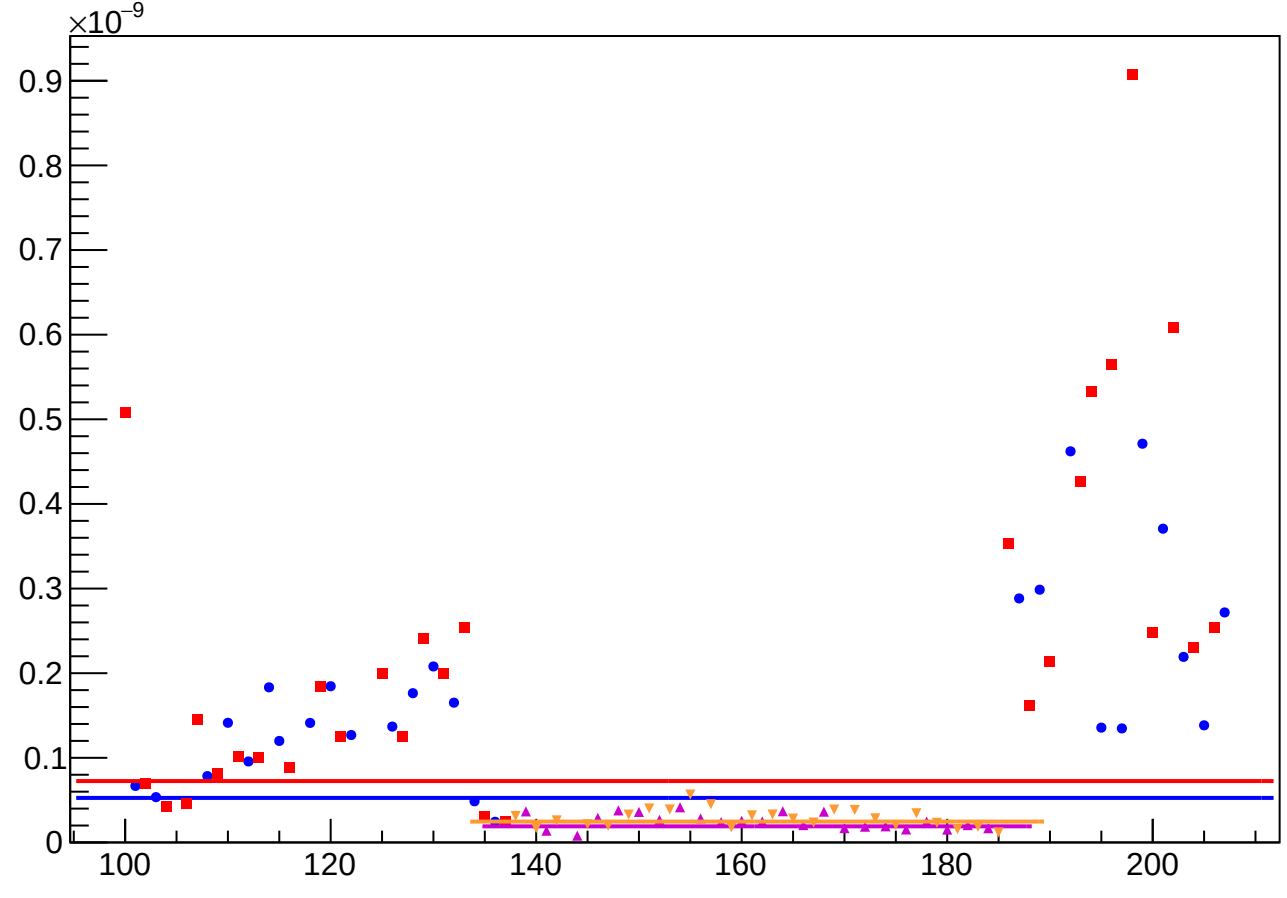
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: 0.000+/-0.000 χ^2/NDF: 43.7/54

In: 0.000+/-0.000 χ^2/NDF:51.3/48

Out: 0.000+/-0.000 χ^2/NDF:35.6/52

All: 0.000+/-0.000 χ^2/NDF: 86.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 5783234.3/25

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

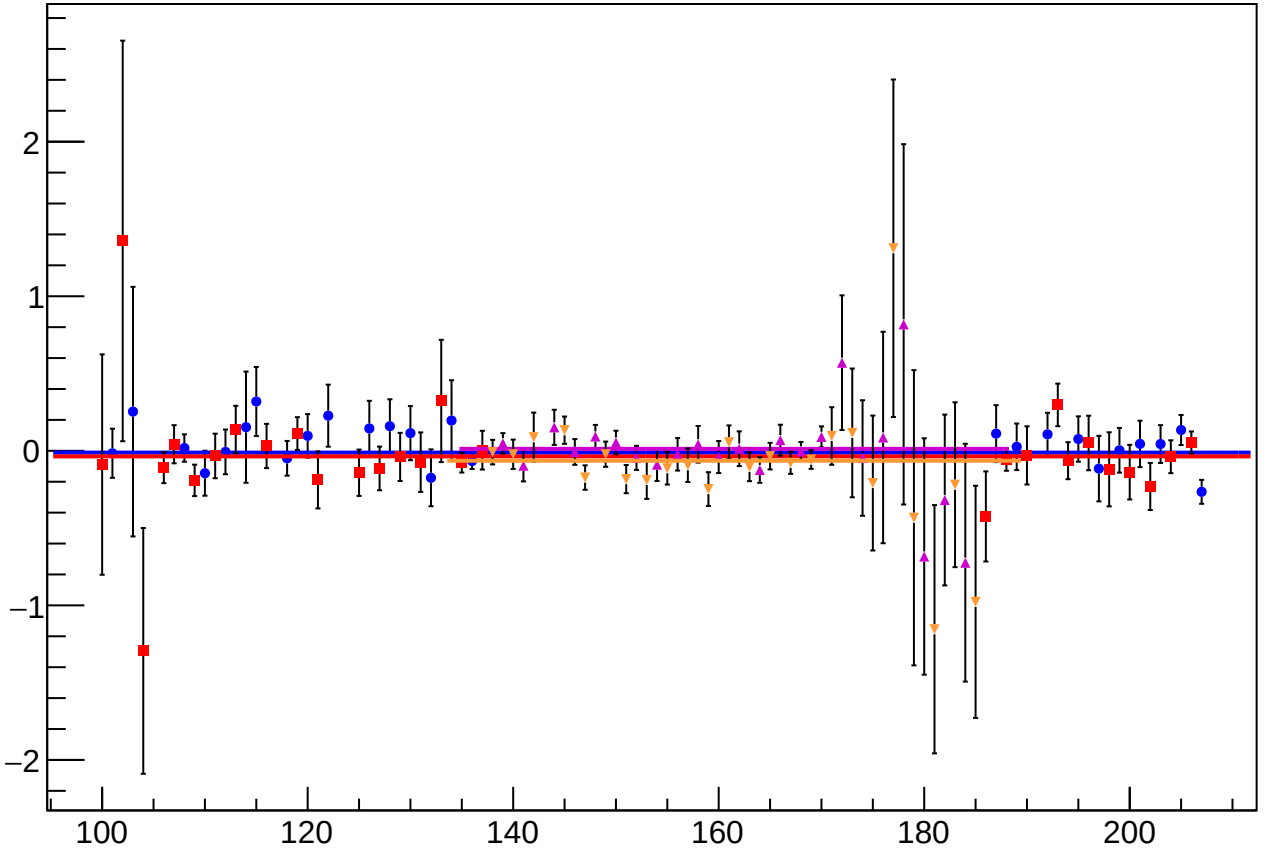
Right: 0.000+/-0.000 χ^2/NDF: 13082632.4/54

In: 0.000+/-0.000 χ^2/NDF:9866642.0/48

Out: 0.000+/-0.000 χ^2/NDF:10919961.5/52

All: 0.000+/-0.000 χ^2/NDF: 21255848.4/101

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.025 χ^2/NDF: 25.5/25

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

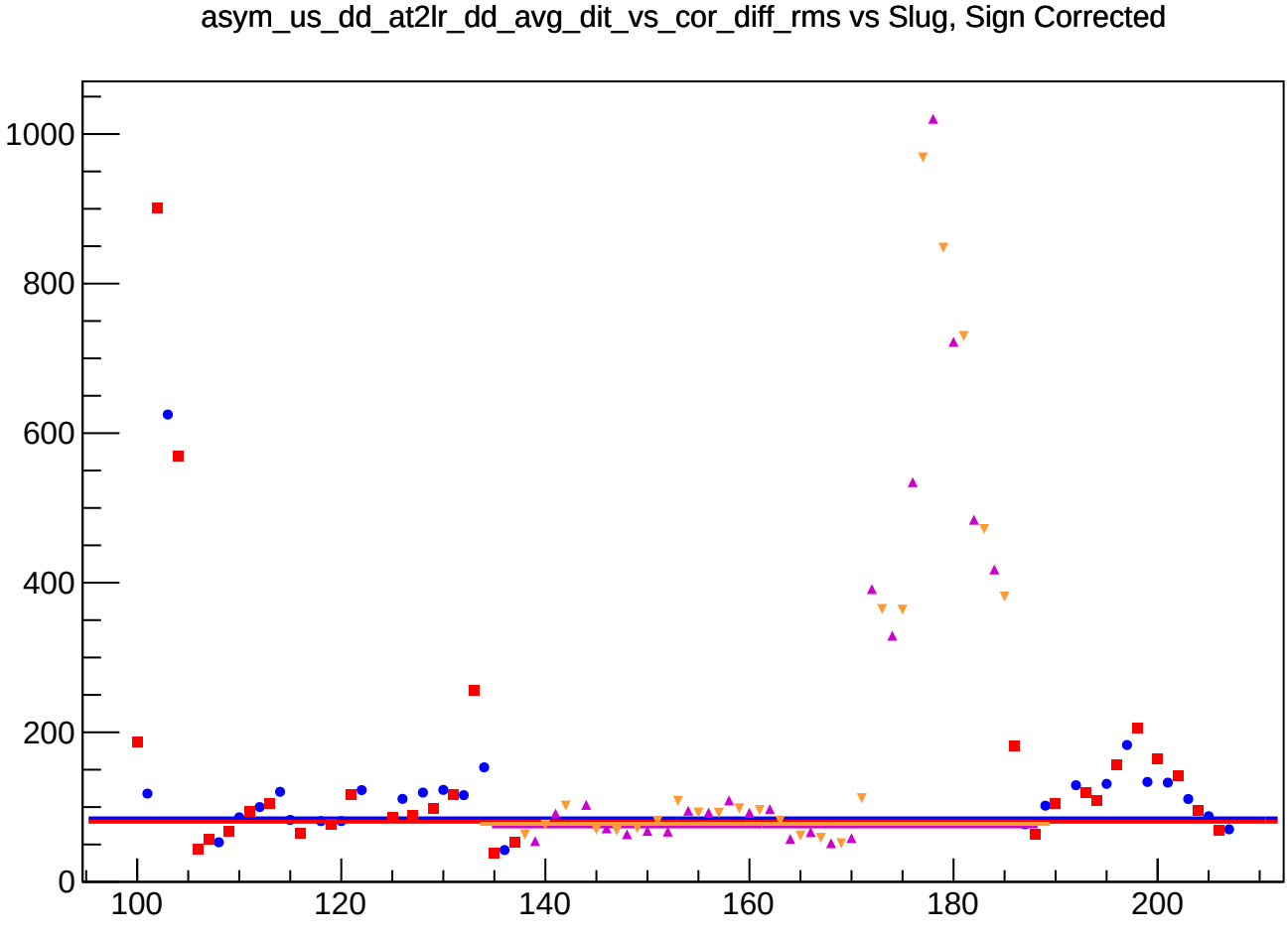
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.024+/-0.017 χ^2/NDF: 50.8/54

In: 0.003+/-0.016 χ^2/NDF:41.1/48

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.024+/-0.011 χ^2/NDF: 94.5/101



Right In: 84.862+/-0.018 χ^2/NDF: 4567187.9/25

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

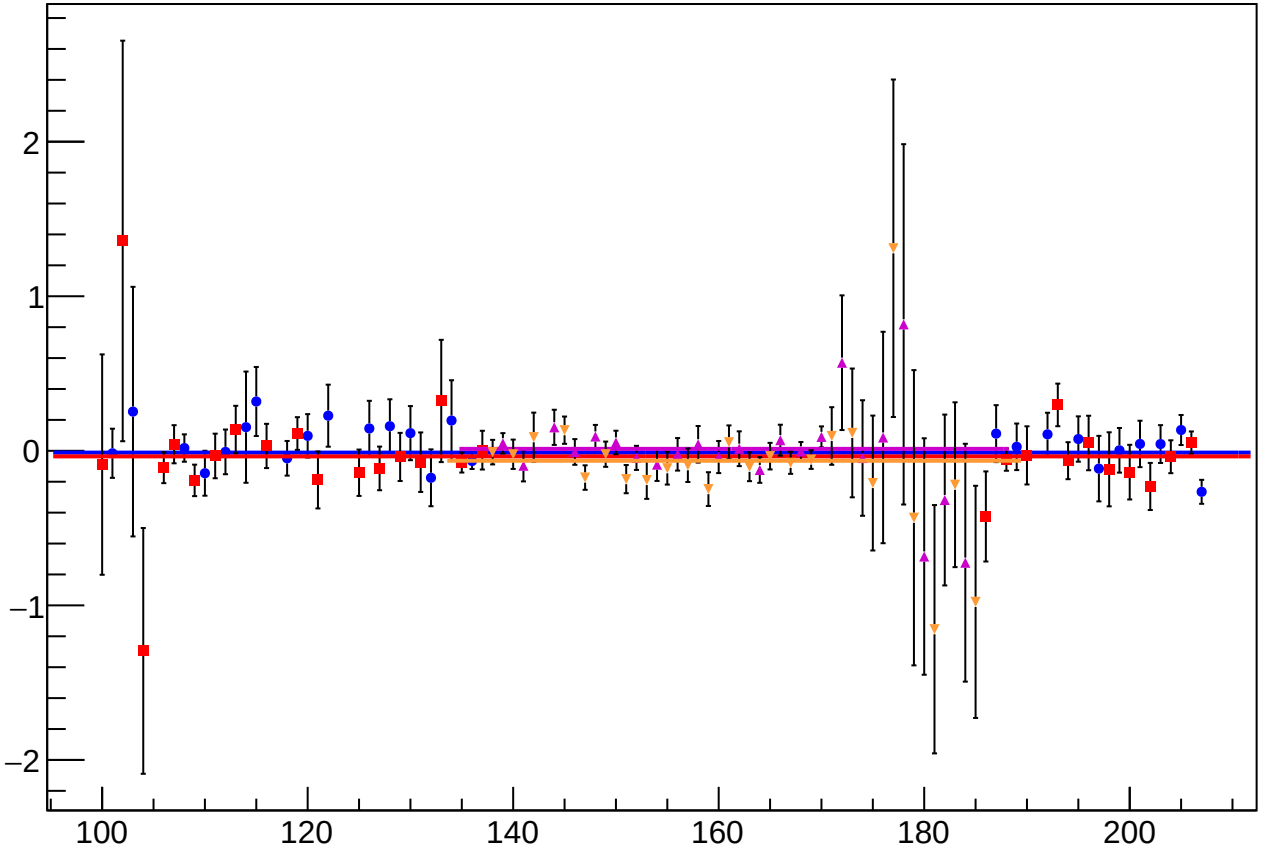
Right: 82.548+/-0.012 χ^2/NDF: 10643714.4/54

In: 78.631+/-0.011 χ^2/NDF:13291929.4/48

Out: 78.888+/-0.011 χ^2/NDF:14391617.7/52

All: 78.759+/-0.008 χ^2/NDF: 27683798.4/101

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.025 χ^2/NDF: 25.5/25

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

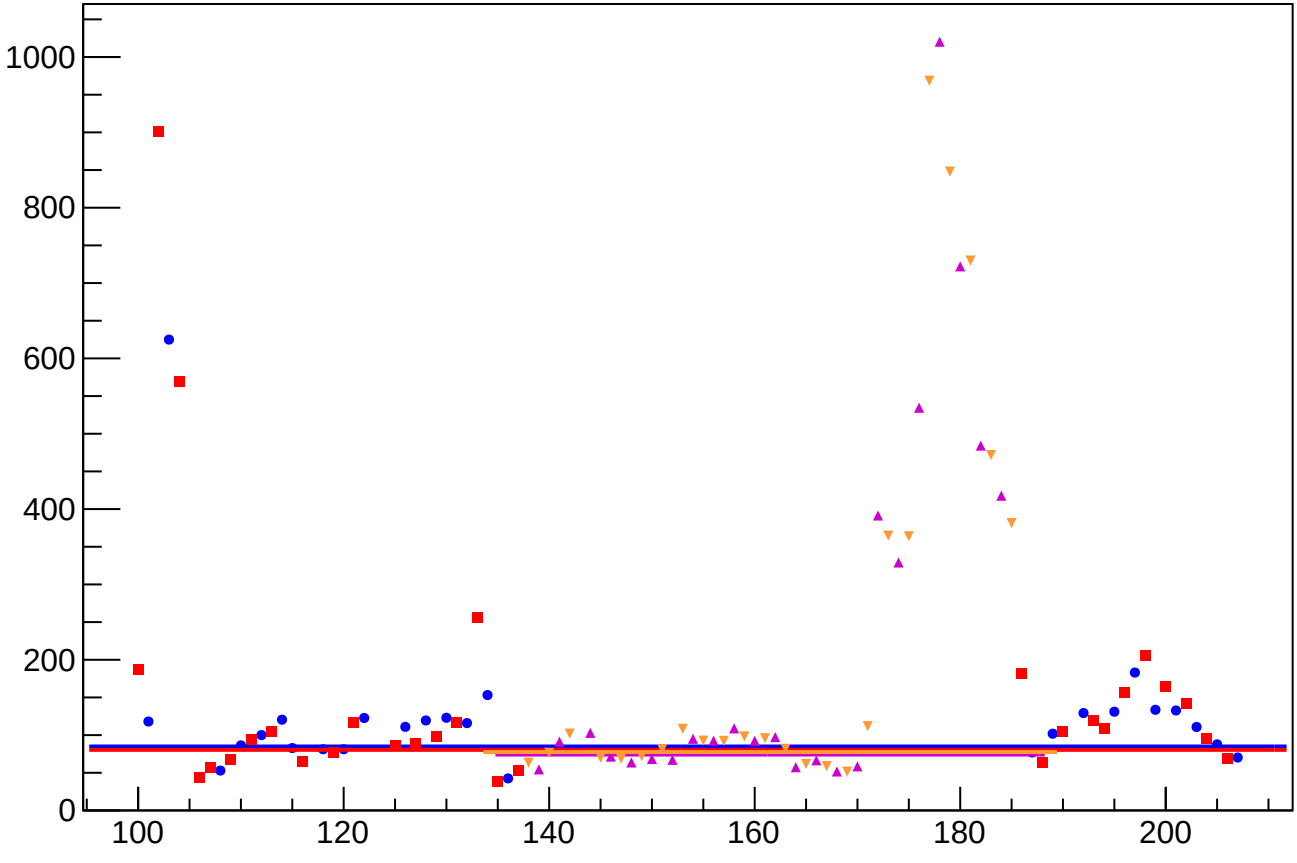
Right: -0.024+/-0.017 χ^2/NDF: 50.8/54

In: 0.003+/-0.016 χ^2/NDF:41.1/48

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.024+/-0.011 χ^2/NDF: 94.5/101

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.862+/-0.018 χ^2/NDF: 4567187.9/25

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

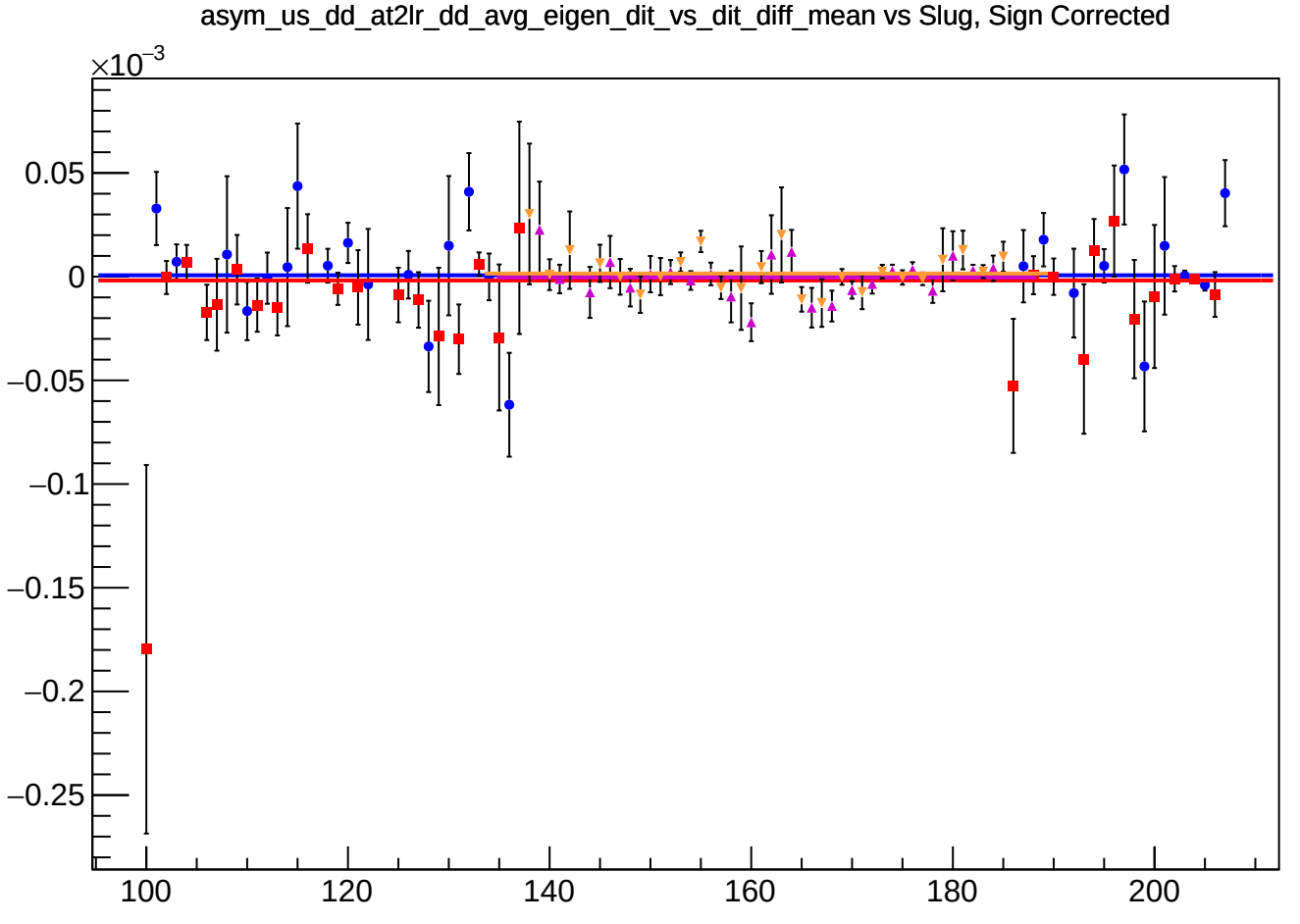
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 82.548+/-0.012 χ^2/NDF: 10643714.4/54

In: 78.631+/-0.011 χ^2/NDF:13291929.4/48

Out: 78.888+/-0.011 χ^2/NDF:14391617.7/52

All: 78.759+/-0.008 χ^2/NDF: 27683798.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 41.5/25

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

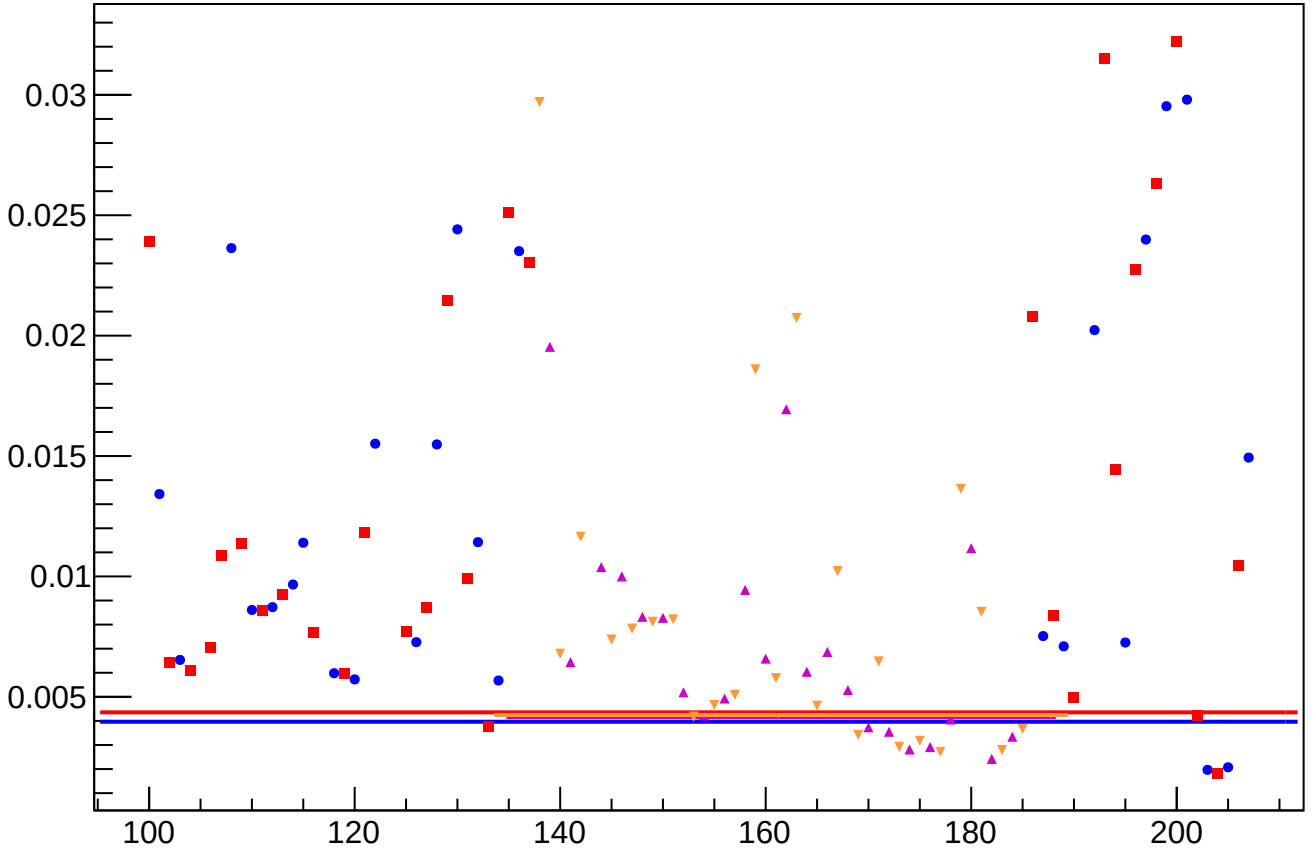
Right: -0.000+/-0.000 χ^2/NDF: 66.4/54

In: 0.000+/-0.000 χ^2/NDF:66.4/48

Out: 0.000+/-0.000 χ^2/NDF:53.6/52

All: 0.000+/-0.000 χ^2/NDF: 120.1/101

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: 14234967.7/25

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

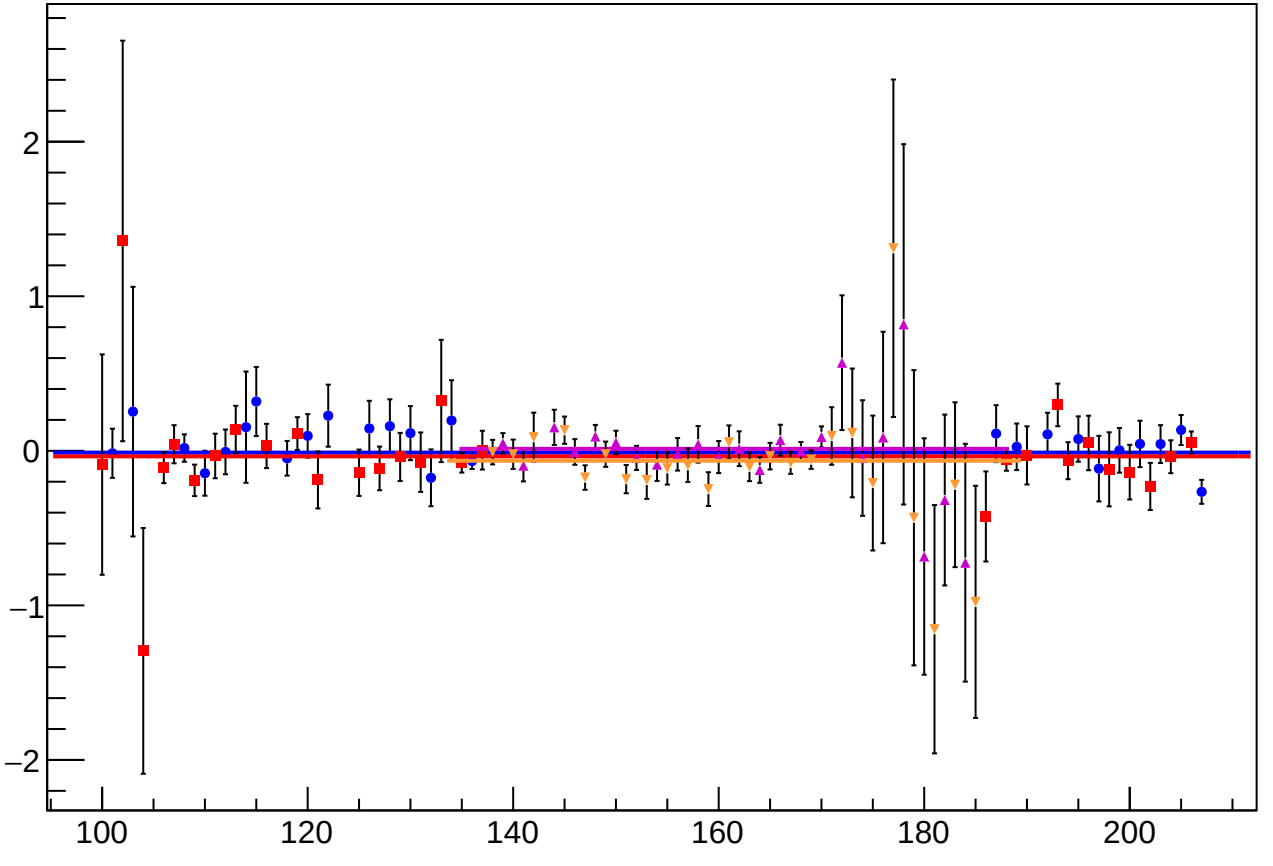
Right: 0.004+/-0.000 χ^2/NDF: 28237992.2/54

In: 0.004+/-0.000 χ^2/NDF:21139873.8/48

Out: 0.004+/-0.000 χ^2/NDF:22596819.7/52

All: 0.004+/-0.000 χ^2/NDF: 43783076.1/101

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.025 χ^2/NDF: 25.5/25

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

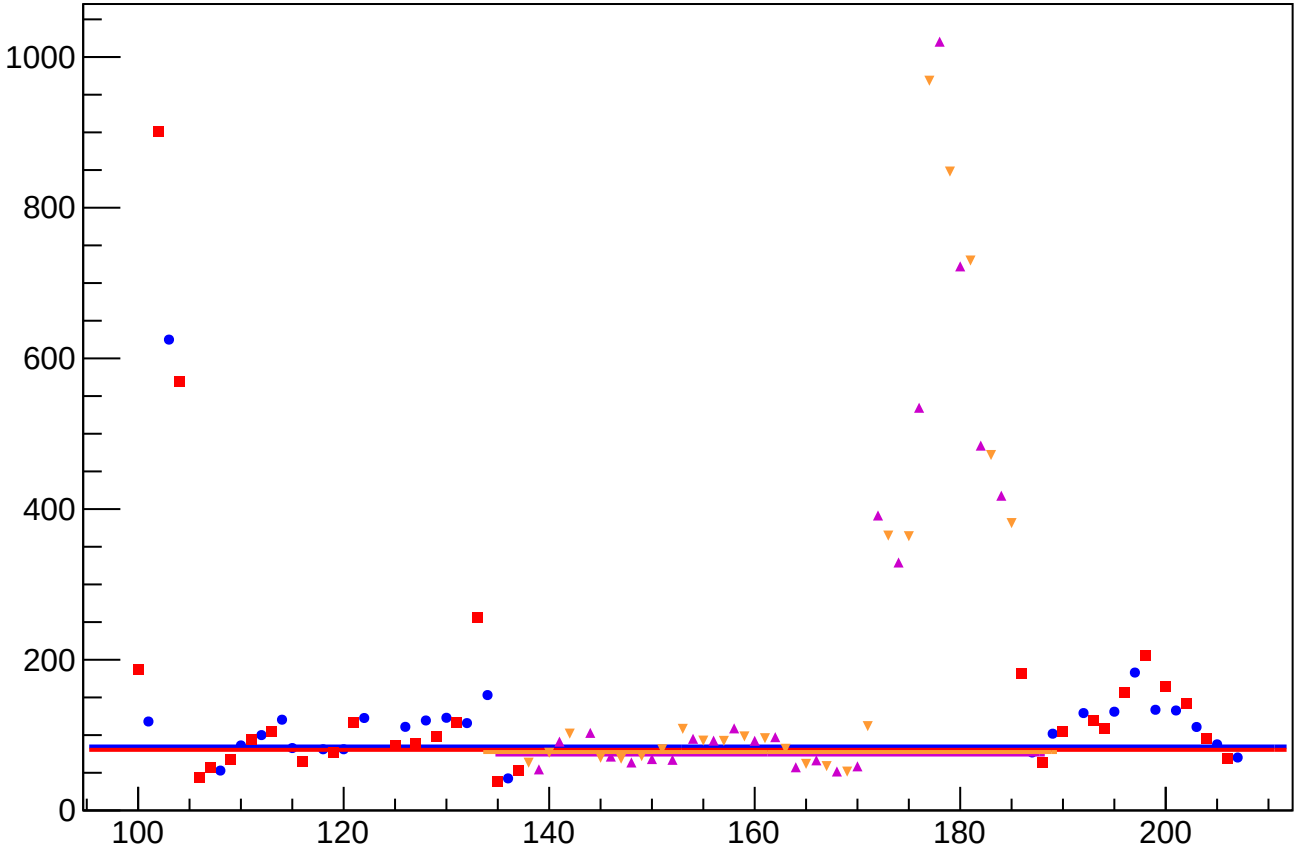
Right: -0.024+/-0.017 χ^2/NDF: 50.8/54

In: 0.003+/-0.016 χ^2/NDF:41.1/48

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.024+/-0.011 χ^2/NDF: 94.5/101

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.879+/-0.018 χ^2/NDF: 4563729.8/25

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

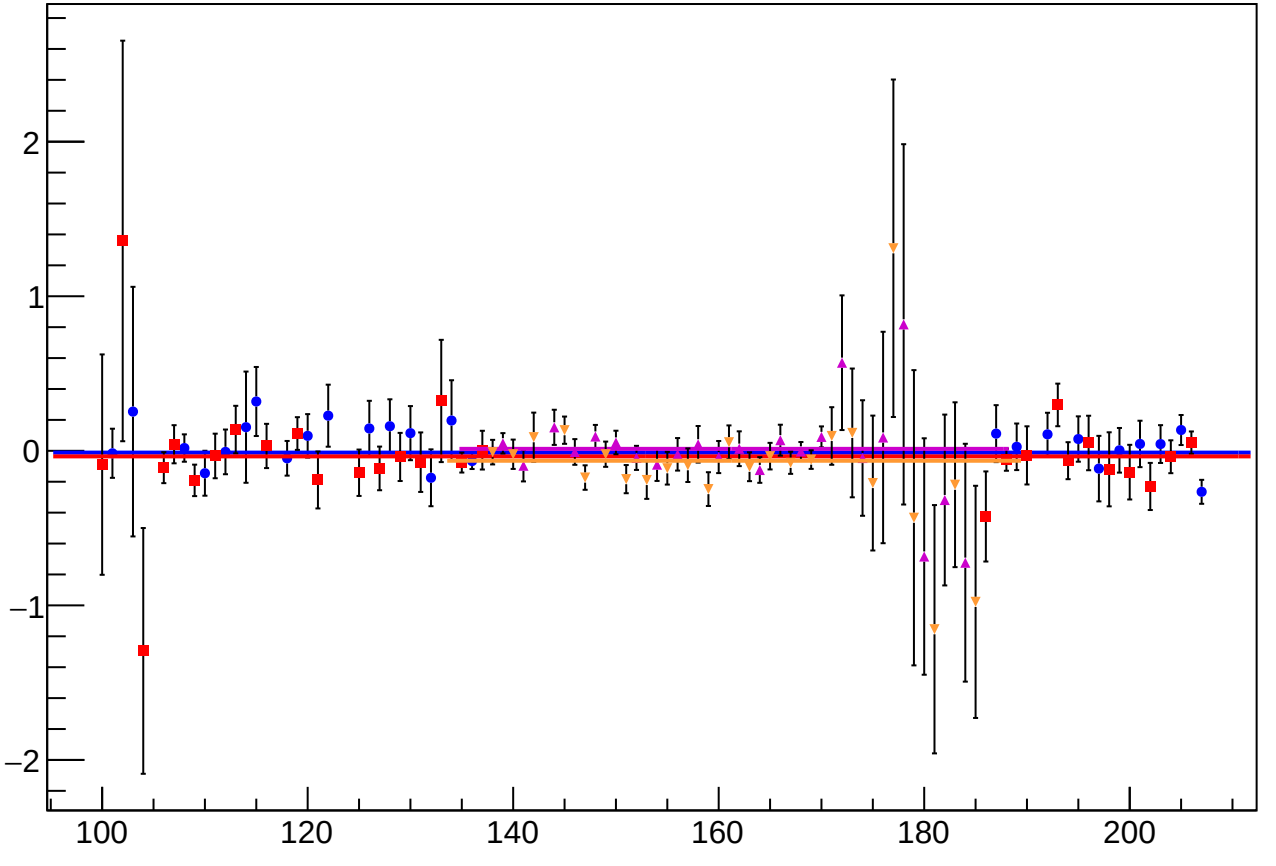
Right: 82.552+/-0.012 χ^2/NDF: 10642188.7/54

In: 78.639+/-0.011 χ^2/NDF:13288786.6/48

Out: 78.884+/-0.011 χ^2/NDF:14393030.7/52

All: 78.761+/-0.008 χ^2/NDF: 27682048.0/101

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.025 χ^2/NDF: 25.5/25

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

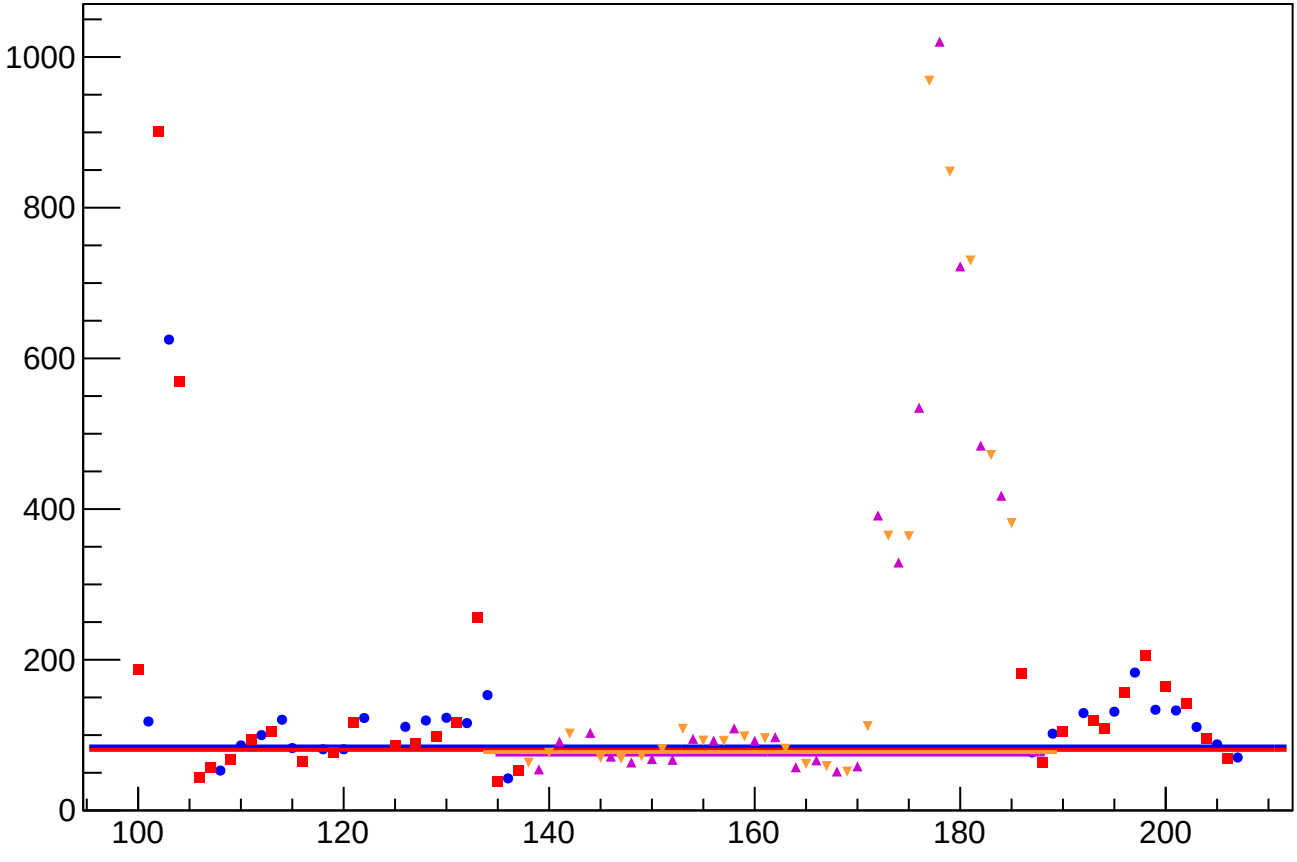
Right: -0.024+/-0.017 χ^2/NDF: 50.8/54

In: 0.003+/-0.016 χ^2/NDF:41.1/48

Out: -0.051+/-0.016 χ^2/NDF:47.9/52

All: -0.024+/-0.011 χ^2/NDF: 94.5/101

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 84.879+/-0.018 χ^2/NDF: 4563729.8/25

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

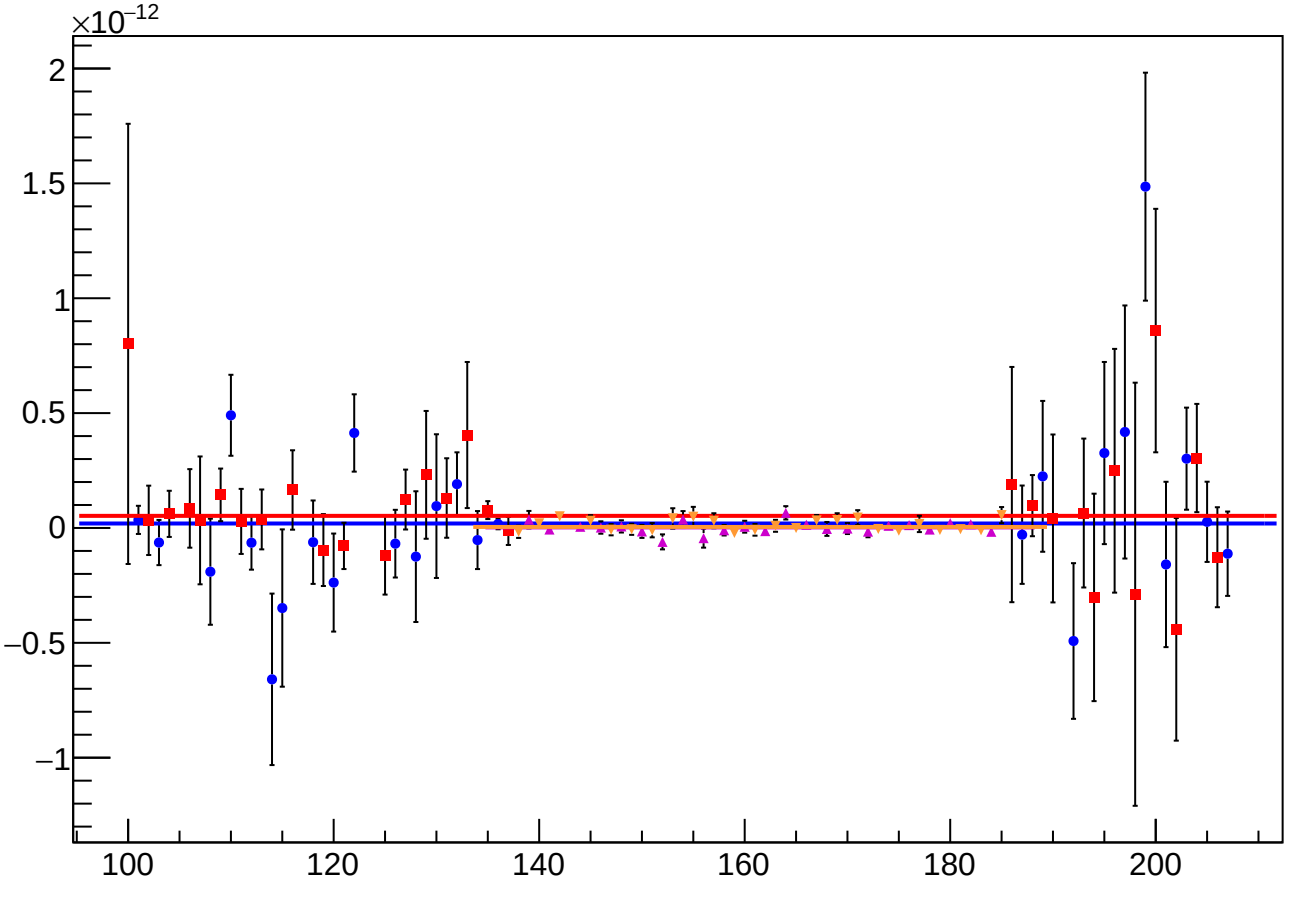
Right: 82.552+/-0.012 χ^2/NDF: 10642188.7/54

In: 78.639+/-0.011 χ^2/NDF:13288786.6/48

Out: 78.884+/-0.011 χ^2/NDF:14393030.7/52

All: 78.761+/-0.008 χ^2/NDF: 27682048.0/101

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 38.3/25

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 15.3/28

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

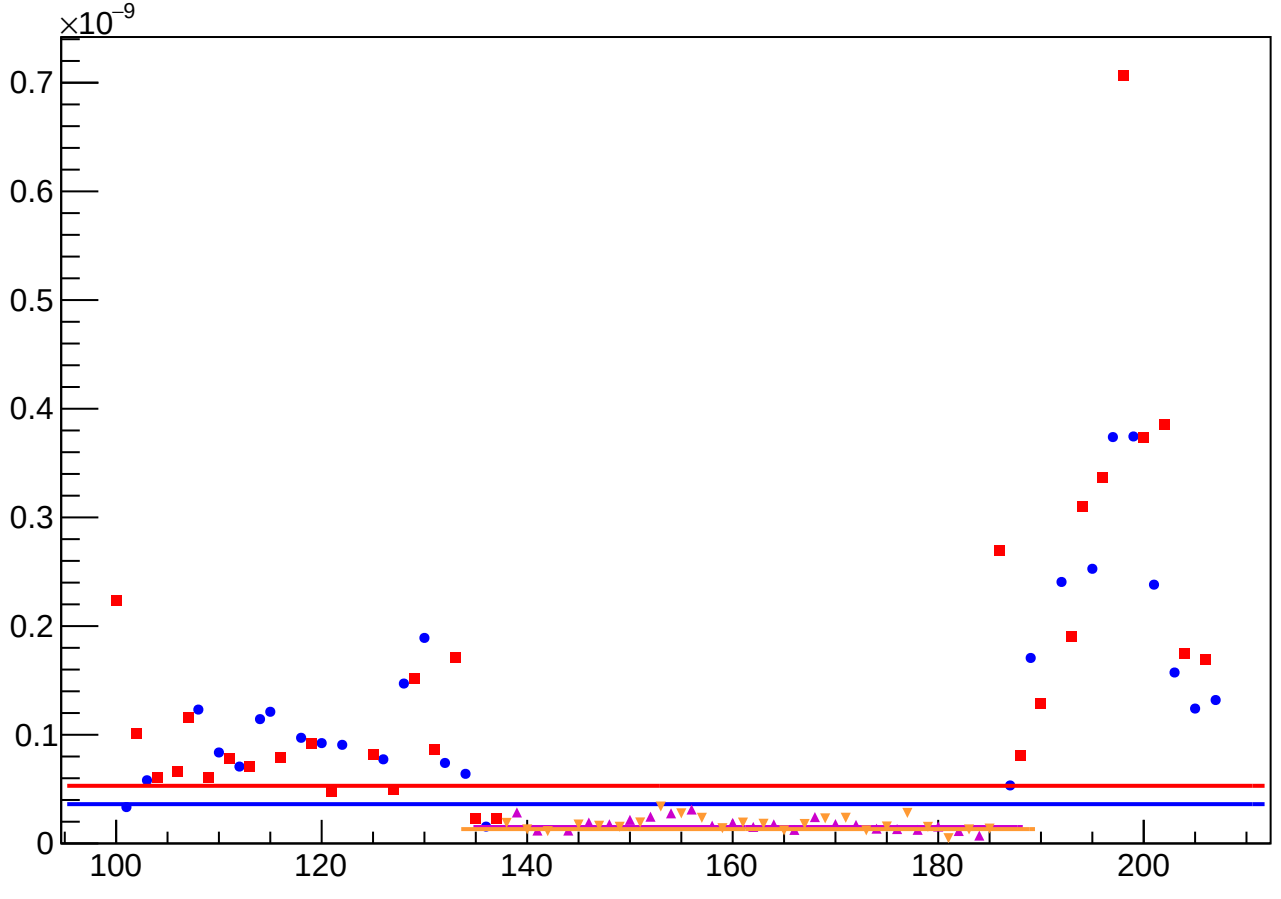
Right: 0.000+/-0.000 χ^2/NDF: 54.9/54

In: 0.000+/-0.000 χ^2/NDF:56.6/48

Out: 0.000+/-0.000 χ^2/NDF:41.0/52

All: 0.000+/-0.000 χ^2/NDF: 97.8/101

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: 9927878.9/25

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

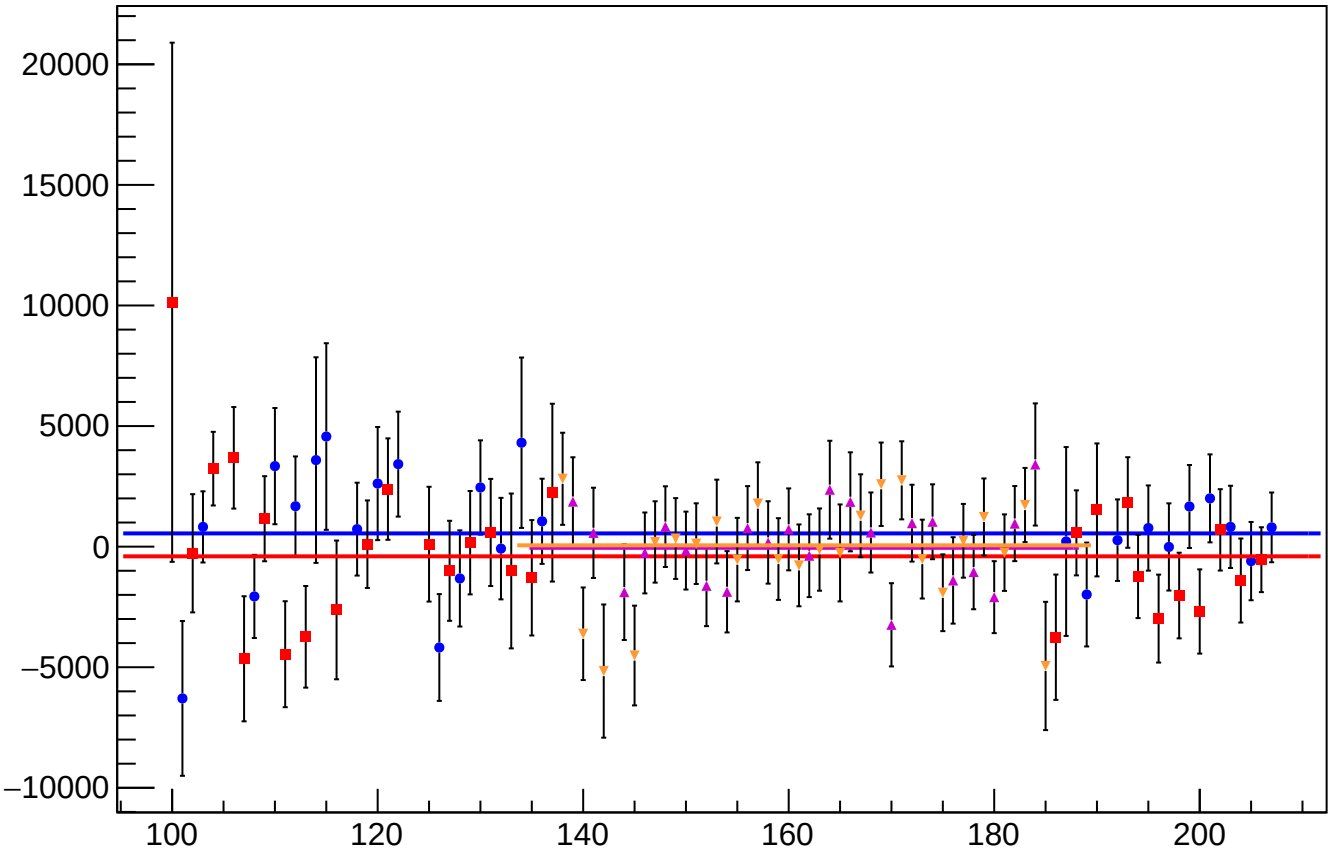
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 19471360.5/54

In: 0.000+/-0.000 χ^2/NDF:14427499.4/48

Out: 0.000+/-0.000 χ^2/NDF:18570740.3/52

All: 0.000+/-0.000 χ^2/NDF: 33176392.3/101



Right In: 548.884+/-391.436 χ^2/NDF: 23.5/25

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

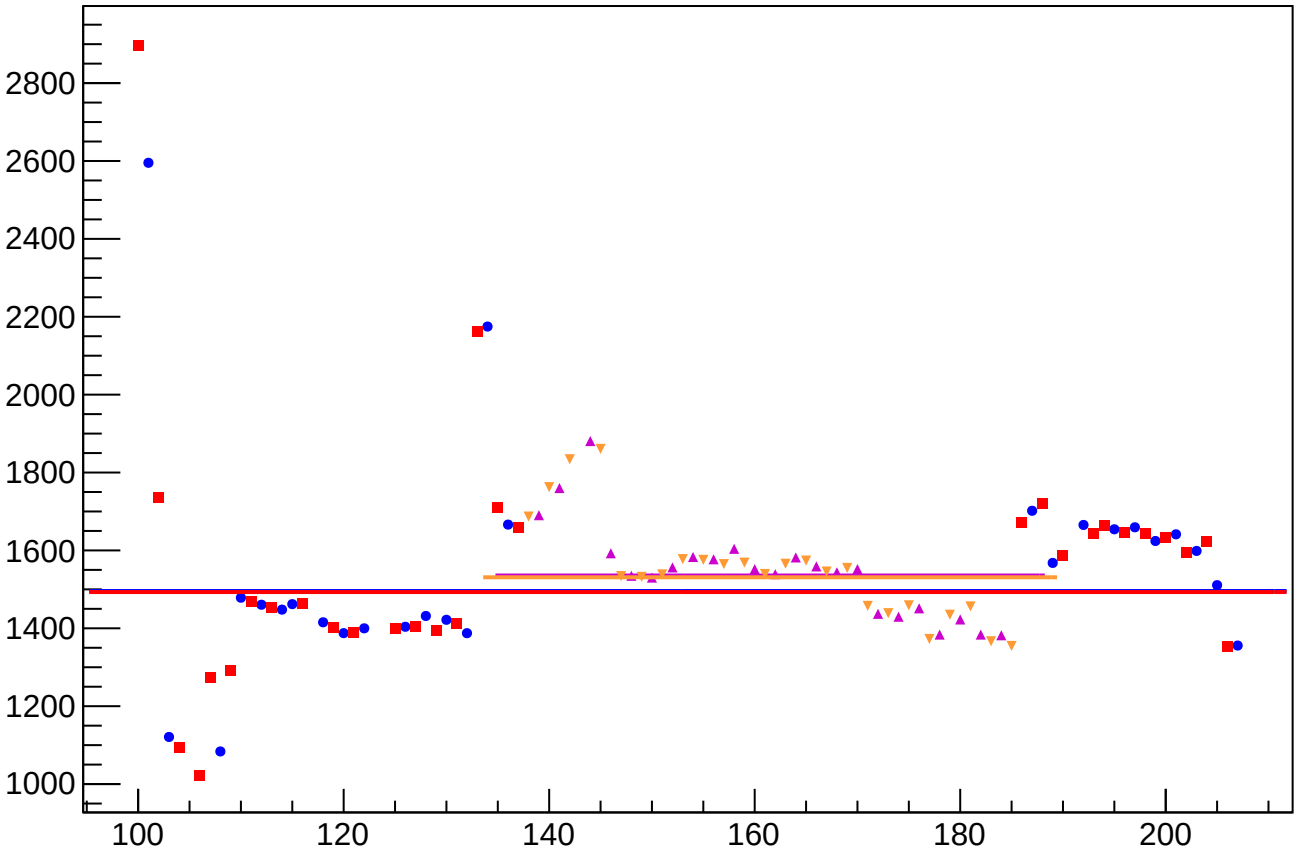
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 58.336+/-272.339 χ^2/NDF: 59.2/54

In: 225.033+/-264.789 χ^2/NDF:41.5/48

Out: -159.438+/-259.673 χ^2/NDF:62.0/52

All: 29.048+/-185.399 χ^2/NDF: 104.5/101



Right In: 1495.674+/-0.277 χ^2/NDF: 707586.8/25

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

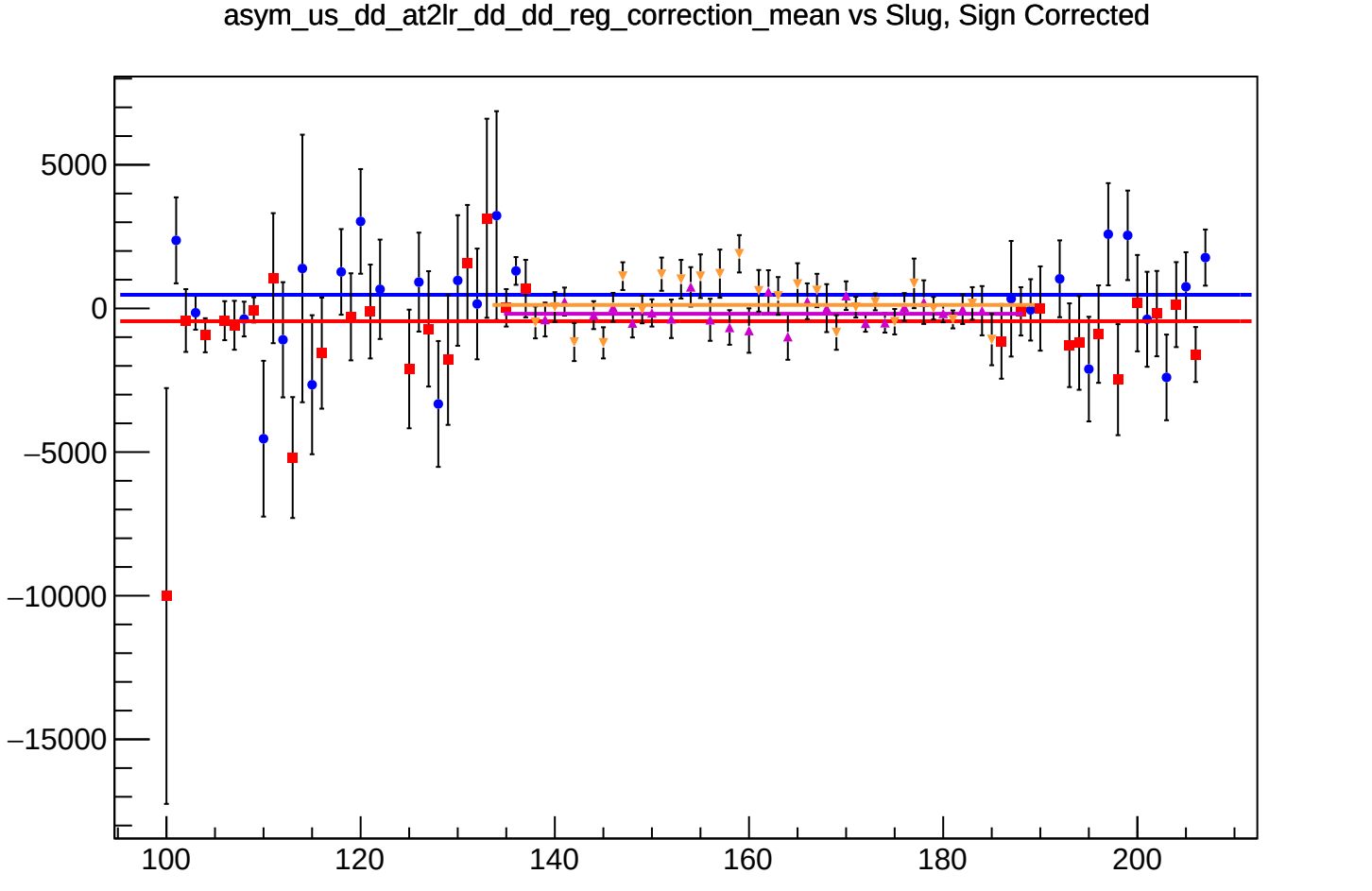
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1494.354+/-0.193 χ^2/NDF: 1330009.6/54

In: 1517.303+/-0.187 χ^2/NDF:911278.1/48

Out: 1513.217+/-0.184 χ^2/NDF:836506.3/52

All: 1515.220+/-0.131 χ^2/NDF: 1748027.1/10



Right In: 474.778+/-233.102 χ^2/NDF: 30.8/25

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -444.968+/-201.636 χ^2/NDF: 18.2/28

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

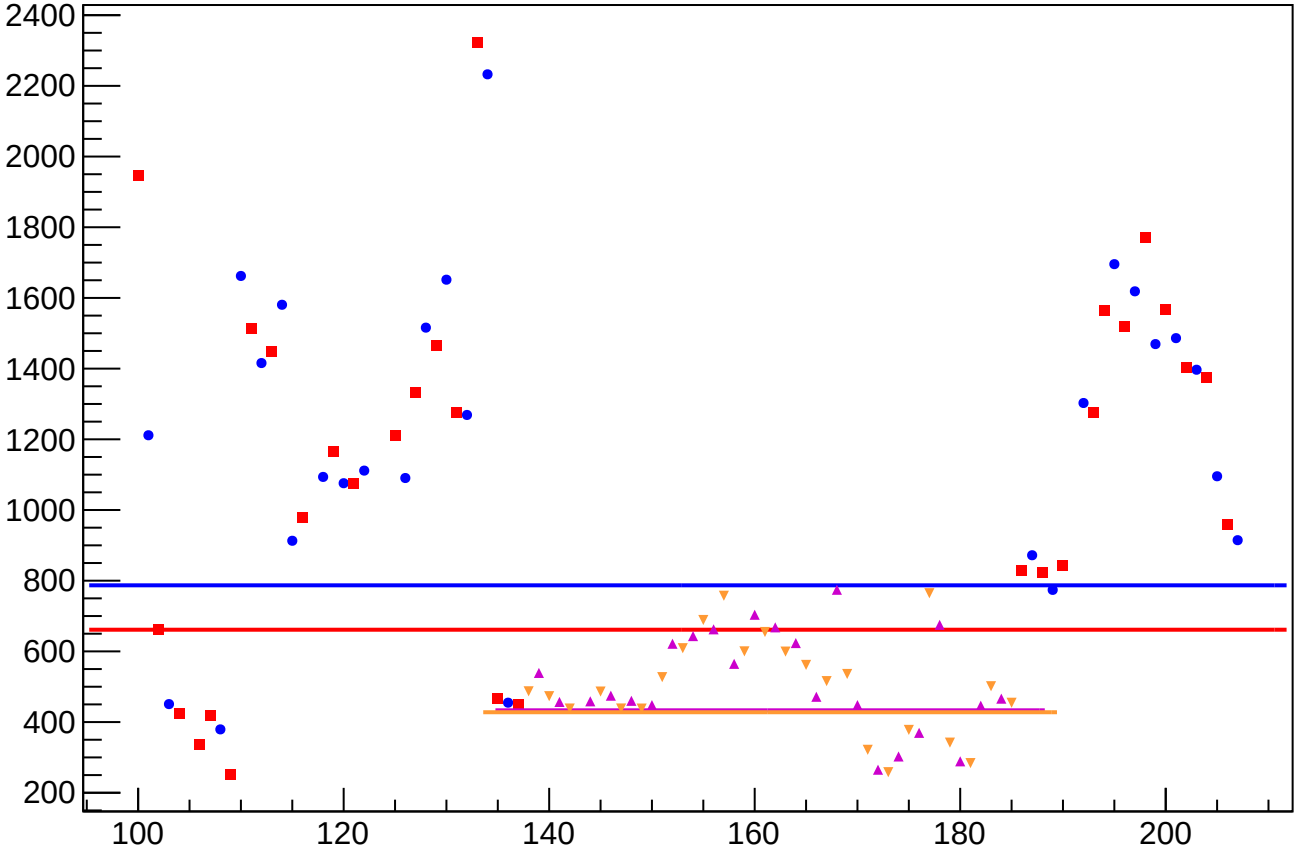
Right: -51.319+/-152.499 χ^2/NDF: 57.8/54

In: -71.728+/-97.226 χ^2/NDF:49.0/48

Out: 0.415+/-93.171 χ^2/NDF:68.0/52

All: -34.121+/-67.270 χ^2/NDF: 117.3/101

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 786.905+/-0.165 χ^2/NDF: 6836430.9/25

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

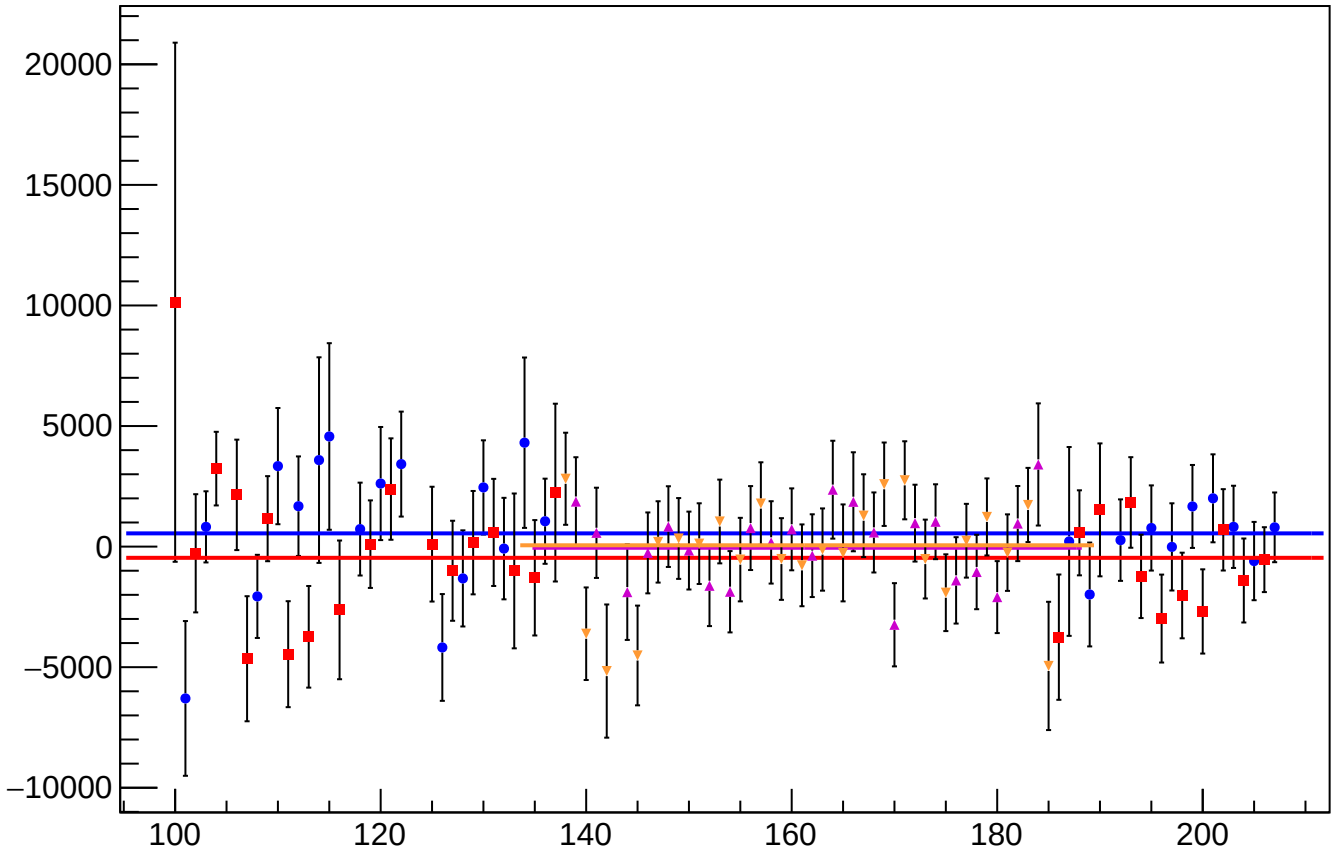
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 715.050+/-0.108 χ^2/NDF: 16447531.9/54

In: 494.803+/-0.069 χ^2/NDF:13886436.1/48

Out: 477.664+/-0.066 χ^2/NDF:14575867.0/52

All: 485.868+/-0.048 χ^2/NDF: 28494700.9/10



Right In: 548.914+/-391.436 χ^2/NDF: 23.5/25

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

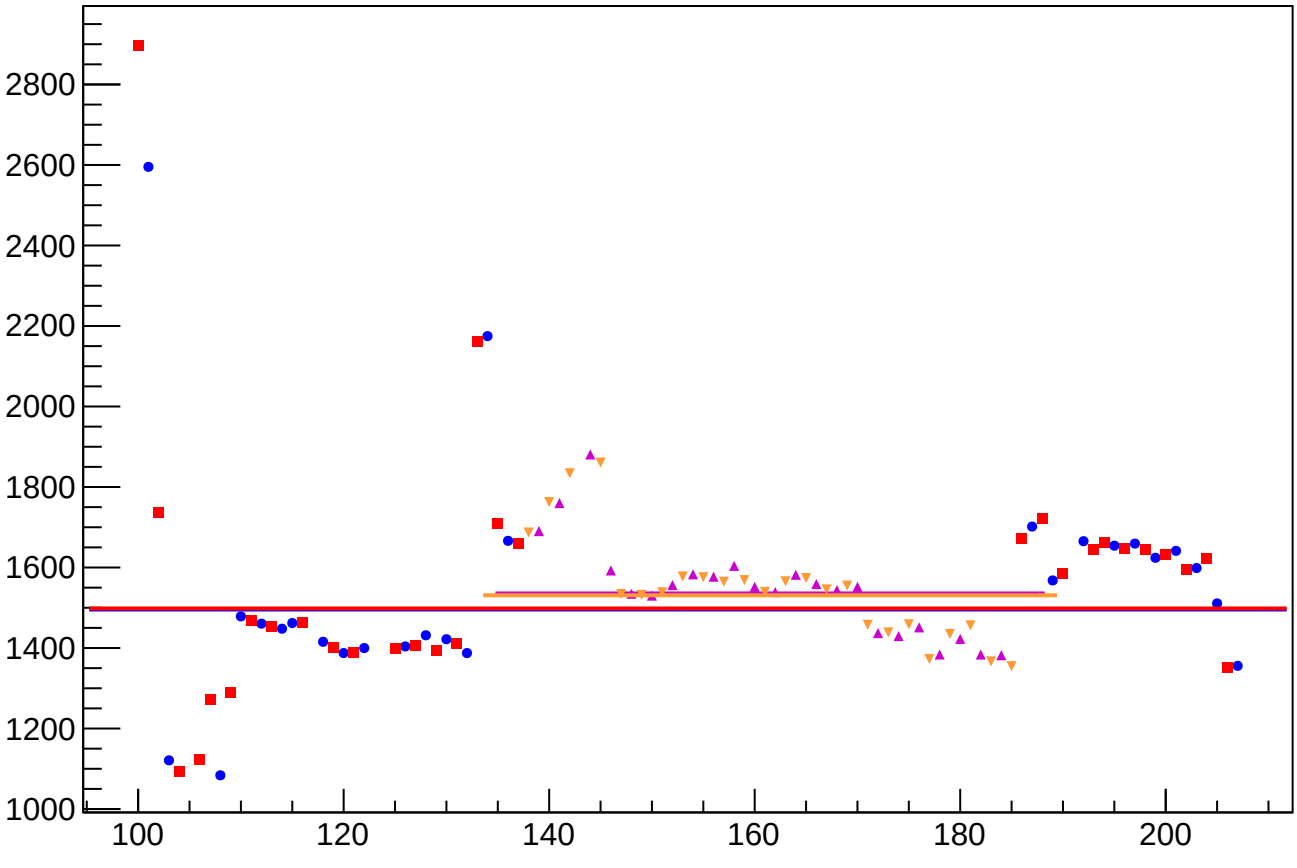
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 27.068+/-272.692 χ^2/NDF: 57.1/54

In: 225.004+/-264.789 χ^2/NDF:41.5/48

Out: -188.405+/-259.979 χ^2/NDF:59.6/52

All: 14.511+/-185.510 χ^2/NDF: 102.4/101



Right In: 1495.674+/-0.277 χ^2/NDF: 707587.1/25

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

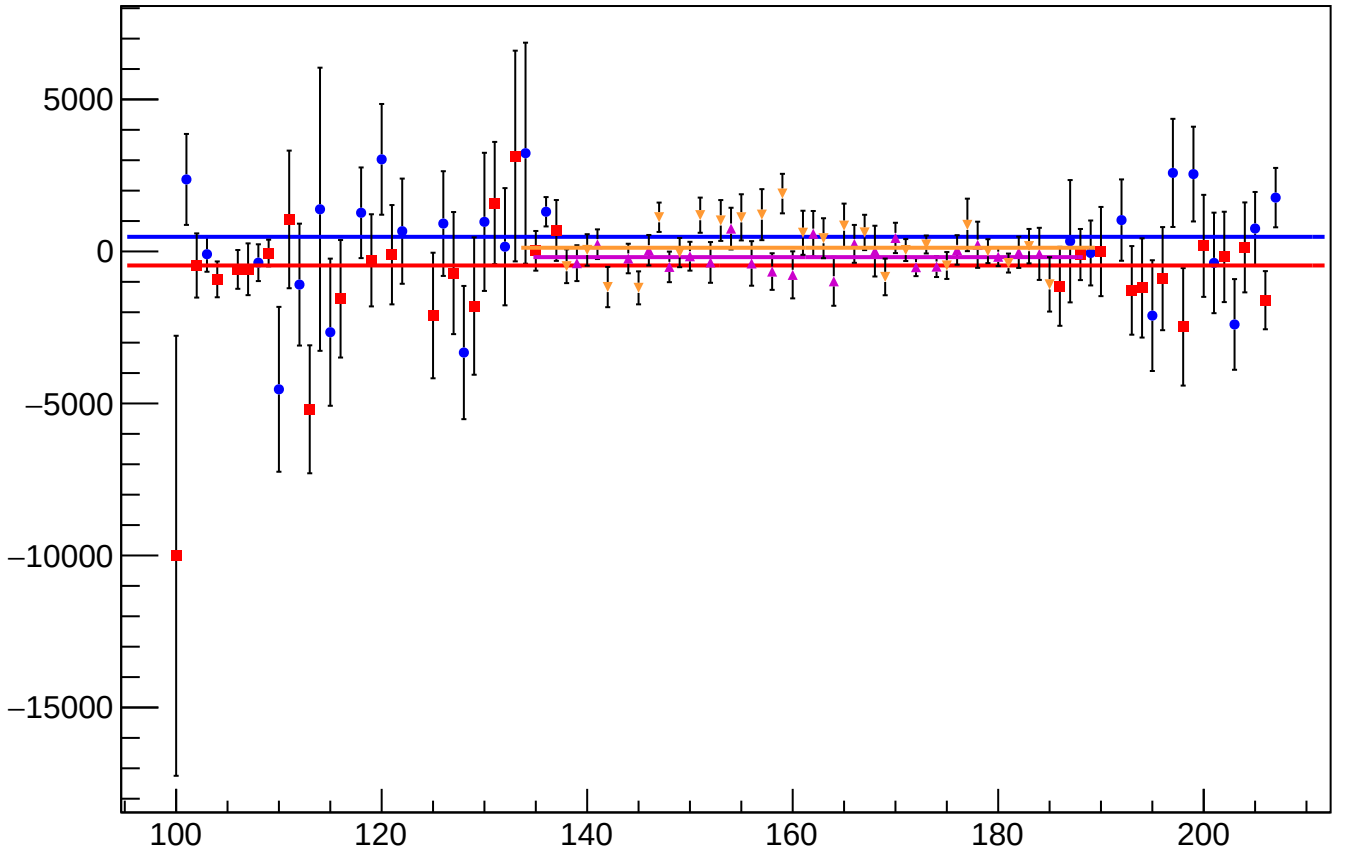
Right: 1496.984+/-0.193 χ^2/NDF: 1282374.8/54

In: 1517.303+/-0.187 χ^2/NDF:911278.4/48

Out: 1515.652+/-0.184 χ^2/NDF:786188.1/52

All: 1516.463+/-0.131 χ^2/NDF: 1697506.1/10

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 480.726+/-232.389 χ^2/NDF: 30.6/25

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

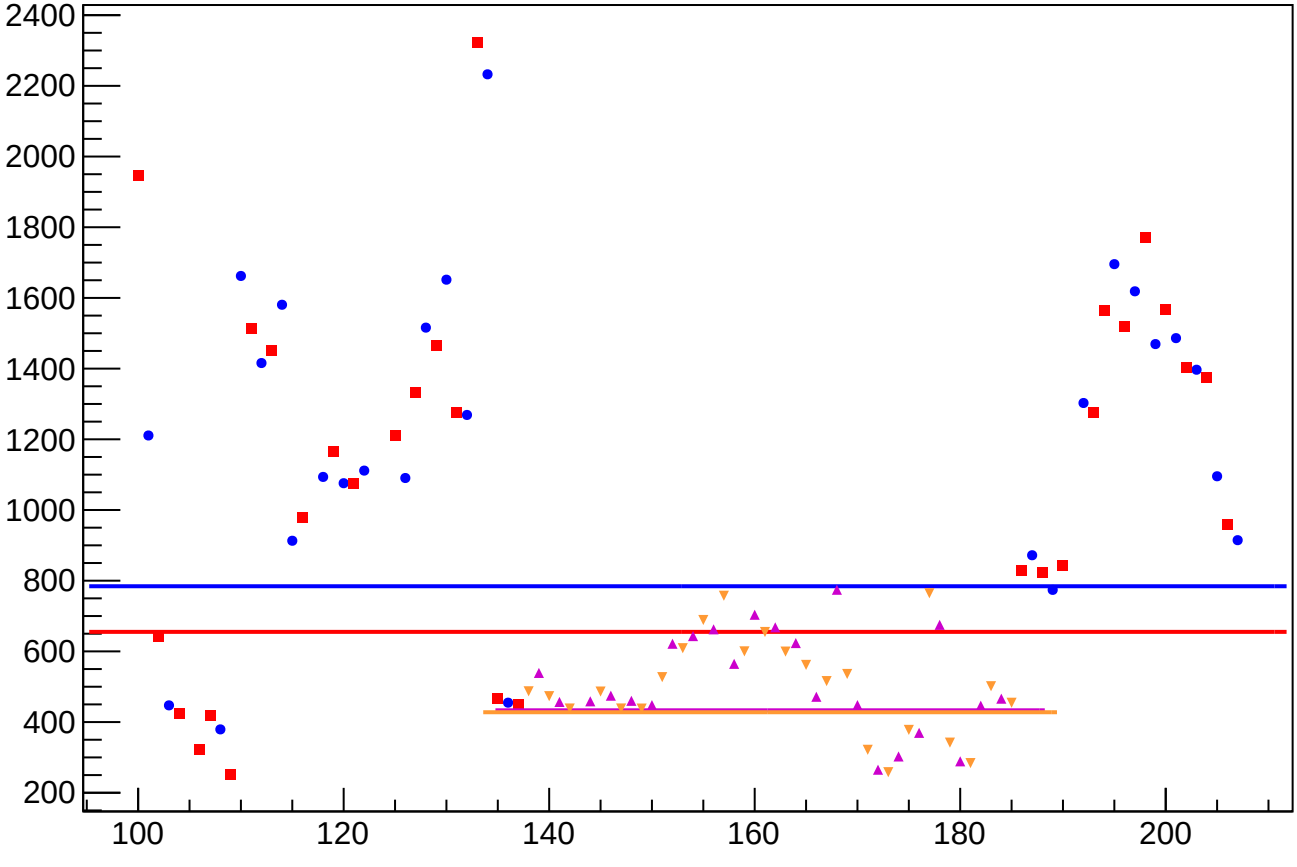
Right: -60.302+/-151.631 χ^2/NDF: 58.2/54

In: -70.278+/-97.174 χ^2/NDF:49.0/48

Out: -4.606+/-93.018 χ^2/NDF:68.5/52

All: -36.007+/-67.195 χ^2/NDF: 117.7/101

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 784.274+/-0.164 χ^2/NDF: 6875821.4/25

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

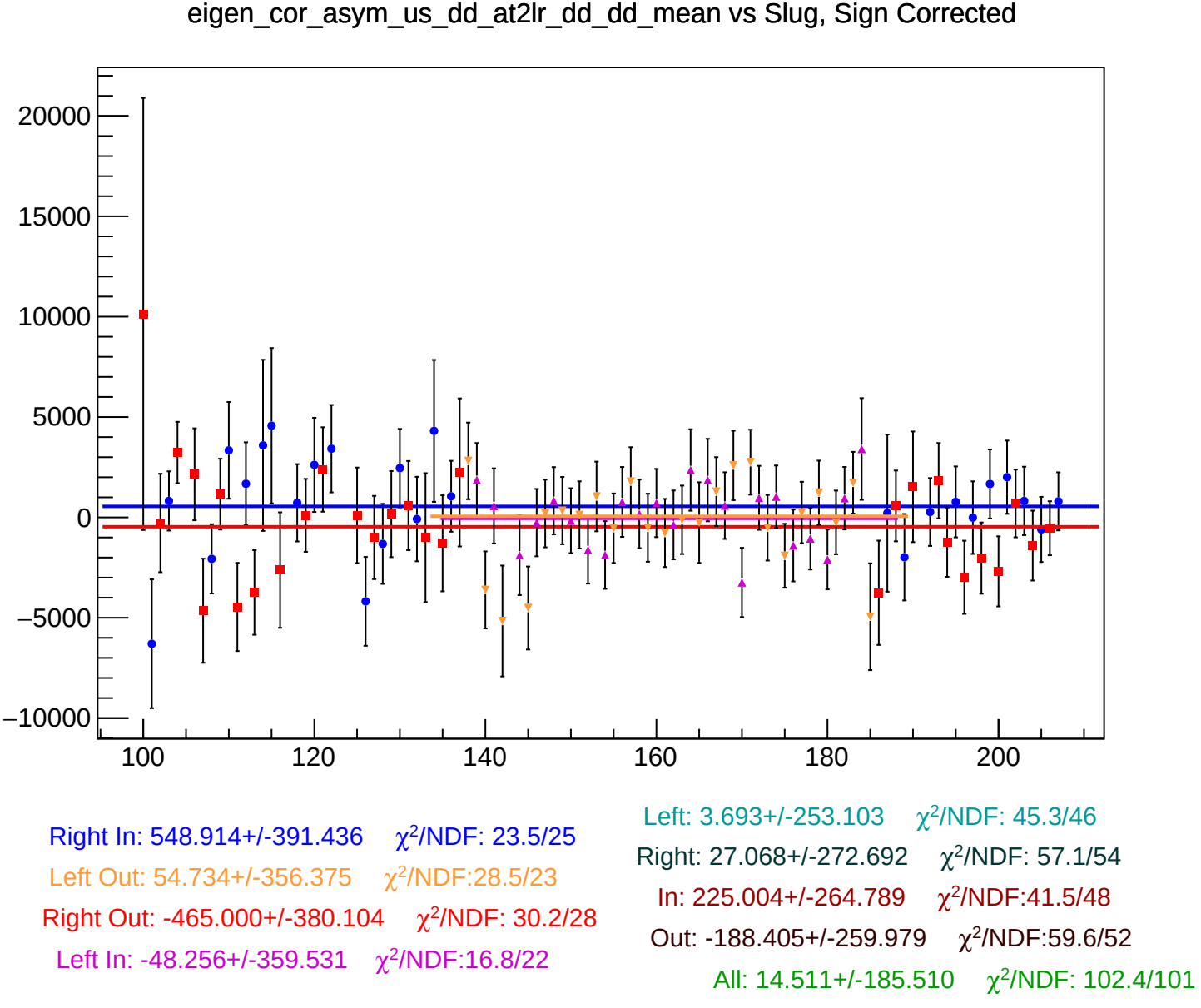
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

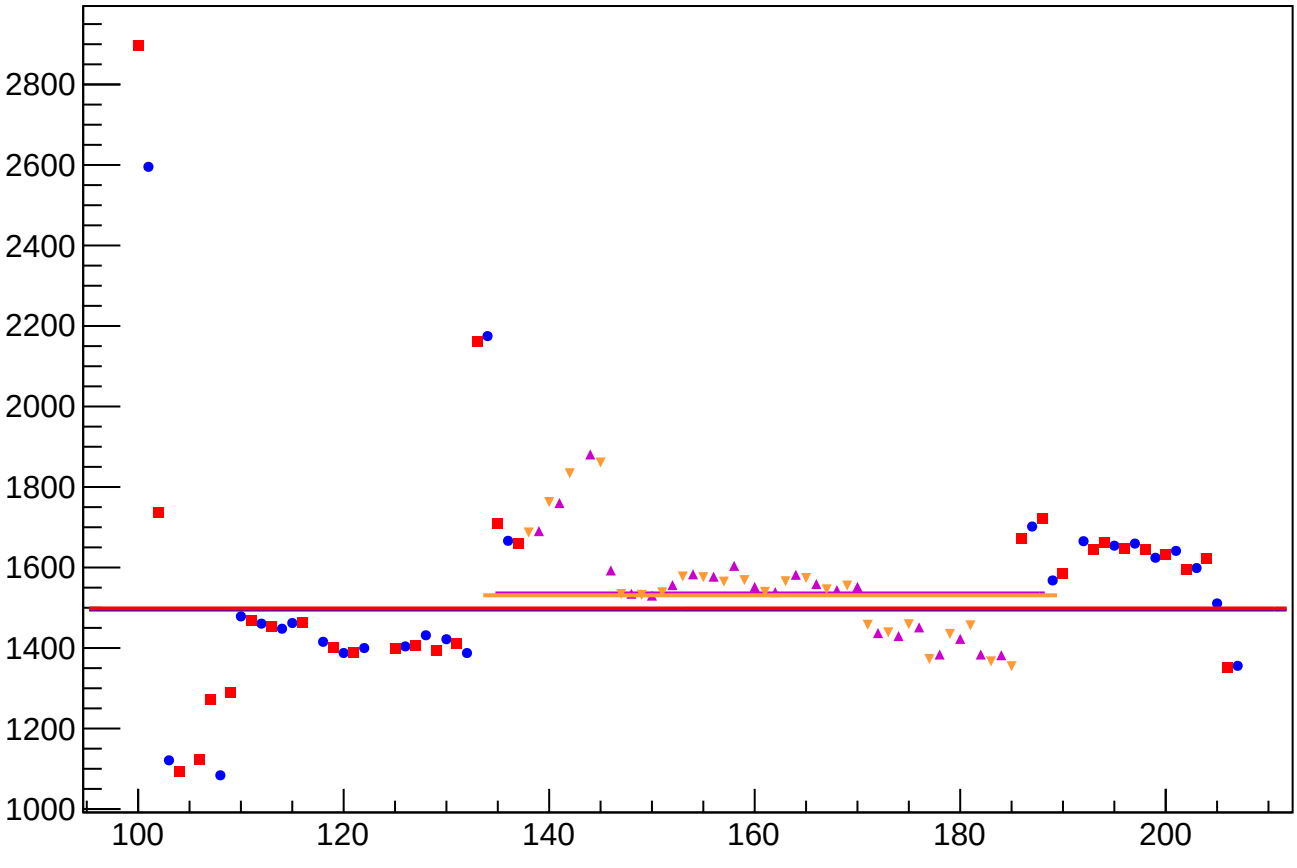
Right: 710.154+/-0.107 χ^2/NDF: 16614513.0/54

In: 494.656+/-0.069 χ^2/NDF:13888285.6/48

Out: 476.954+/-0.066 χ^2/NDF:14597466.7/52

All: 485.418+/-0.048 χ^2/NDF: 28520387.3/10


eigen_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: 548.914+/-391.436 χ²/NDF: 23.5/25
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: 27.068+/-272.692 χ²/NDF: 57.1/54
In: 225.004+/-264.789 χ²/NDF:41.5/48
Out: -188.405+/-259.979 χ²/NDF:59.6/52
All: 14.511+/-185.510 χ²/NDF: 102.4/101



Right In: 1495.674+/-0.277 χ^2/NDF: 707587.1/25

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

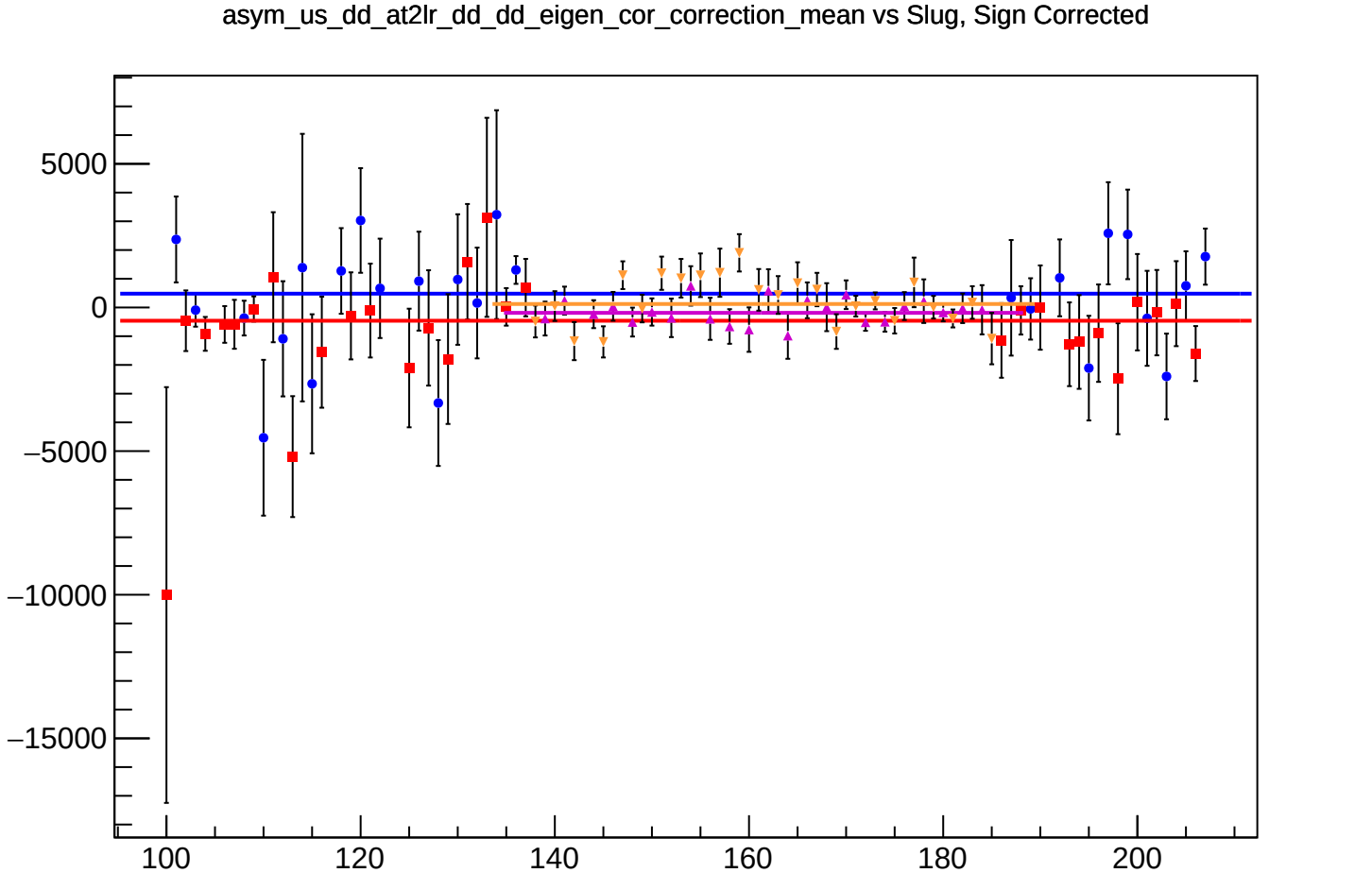
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1496.984+/-0.193 χ^2/NDF: 1282374.8/54

In: 1517.303+/-0.187 χ^2/NDF:911278.4/48

Out: 1515.652+/-0.184 χ^2/NDF:786188.1/52

All: 1516.463+/-0.131 χ^2/NDF: 1697506.1/10



Right In: 480.726+/-232.389 χ^2/NDF: 30.6/25

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

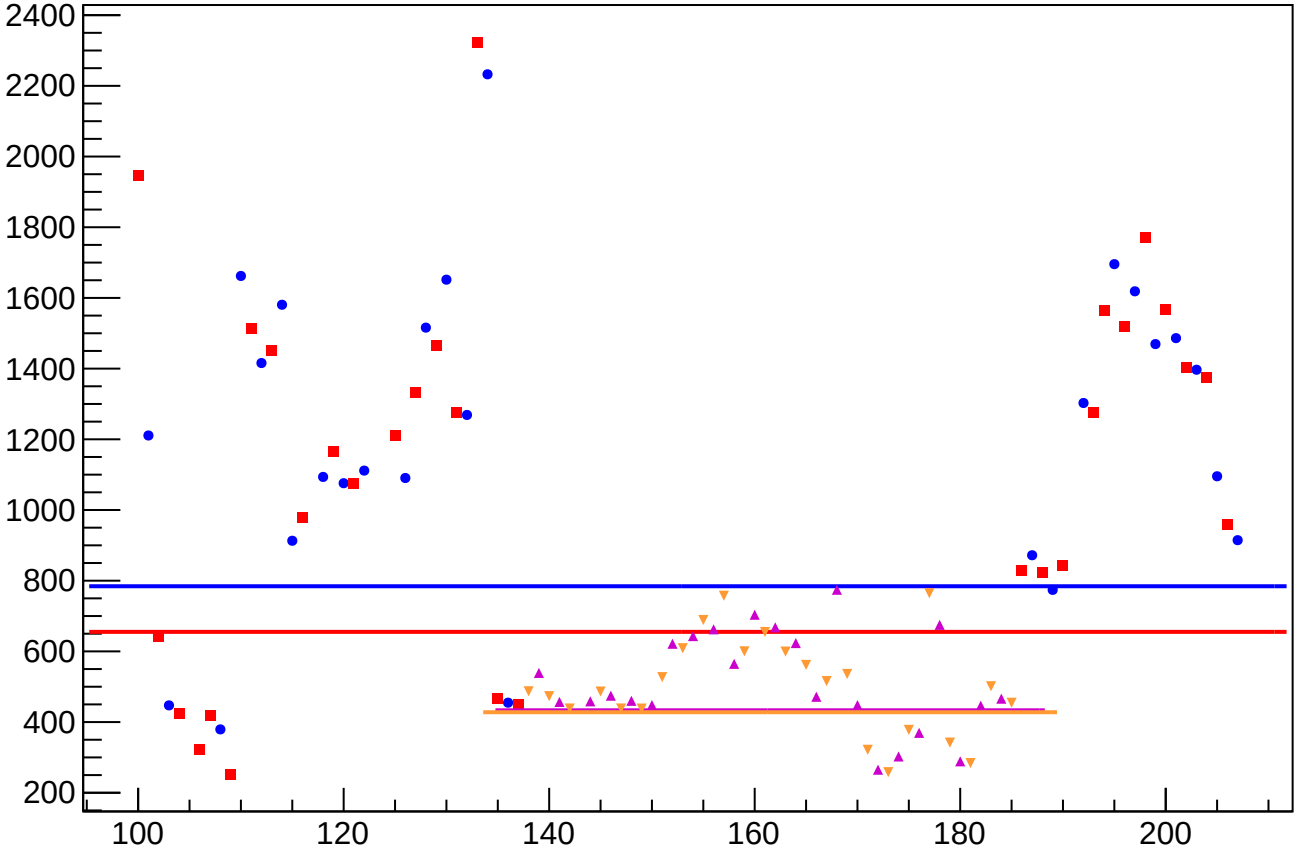
Right: -60.302+/-151.631 χ^2/NDF: 58.2/54

In: -70.278+/-97.174 χ^2/NDF:49.0/48

Out: -4.606+/-93.018 χ^2/NDF:68.5/52

All: -36.007+/-67.195 χ^2/NDF: 117.7/101

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 784.274+/-0.164 χ^2/NDF: 6875821.4/25

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

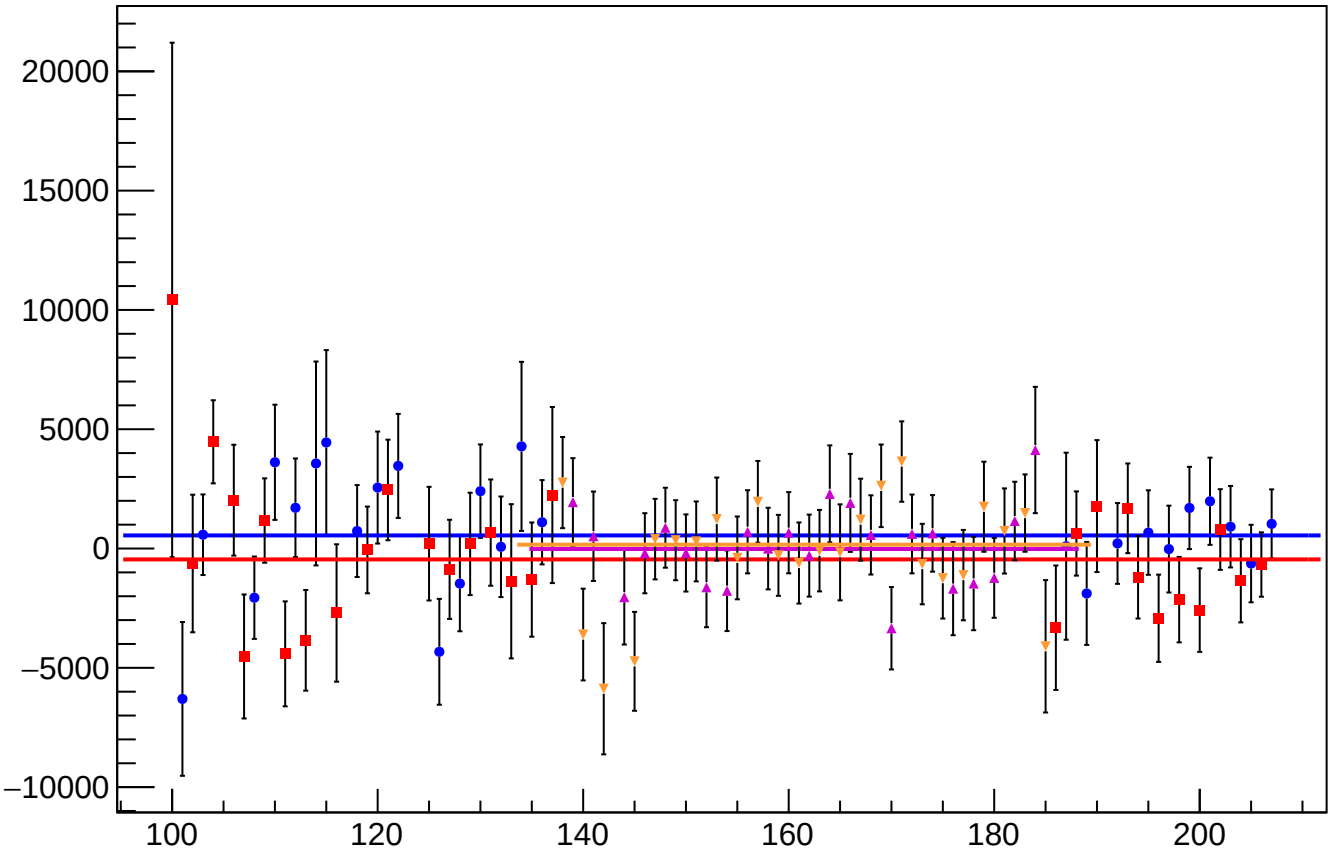
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 710.154+/-0.107 χ^2/NDF: 16614513.0/54

In: 494.656+/-0.069 χ^2/NDF:13888285.6/48

Out: 476.954+/-0.066 χ^2/NDF:14597466.7/52

All: 485.418+/-0.048 χ^2/NDF: 28520387.3/10



Right In: 548.983+/-395.407 χ^2/NDF: 24.0/25

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

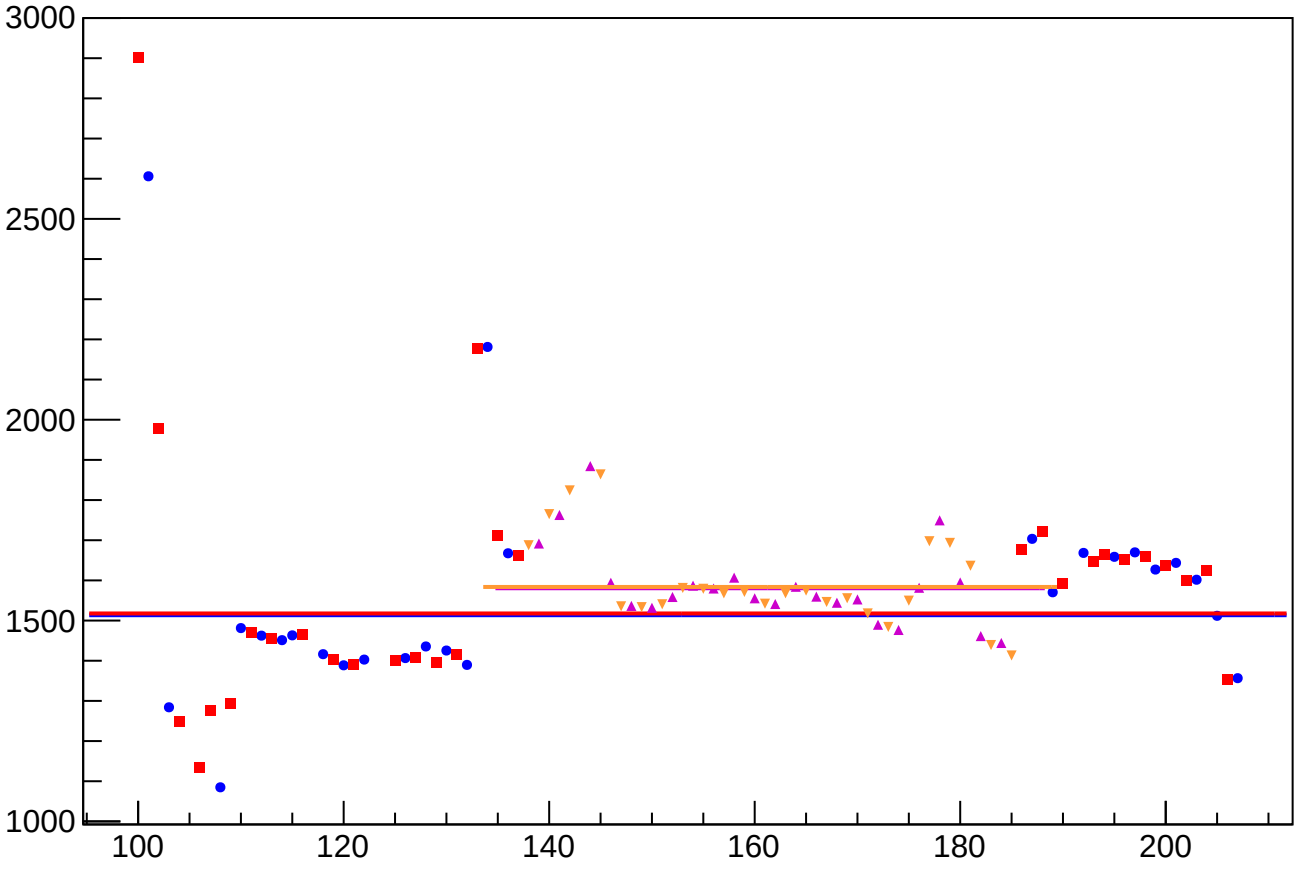
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 33.062+/-275.879 χ^2/NDF: 59.1/54

In: 245.323+/-270.080 χ^2/NDF:41.0/48

Out: -133.644+/-266.194 χ^2/NDF:63.1/52

All: 53.093+/-189.586 χ^2/NDF: 105.1/101



Right In: 1513.356+/-0.280 χ^2/NDF: 611942.9/25

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

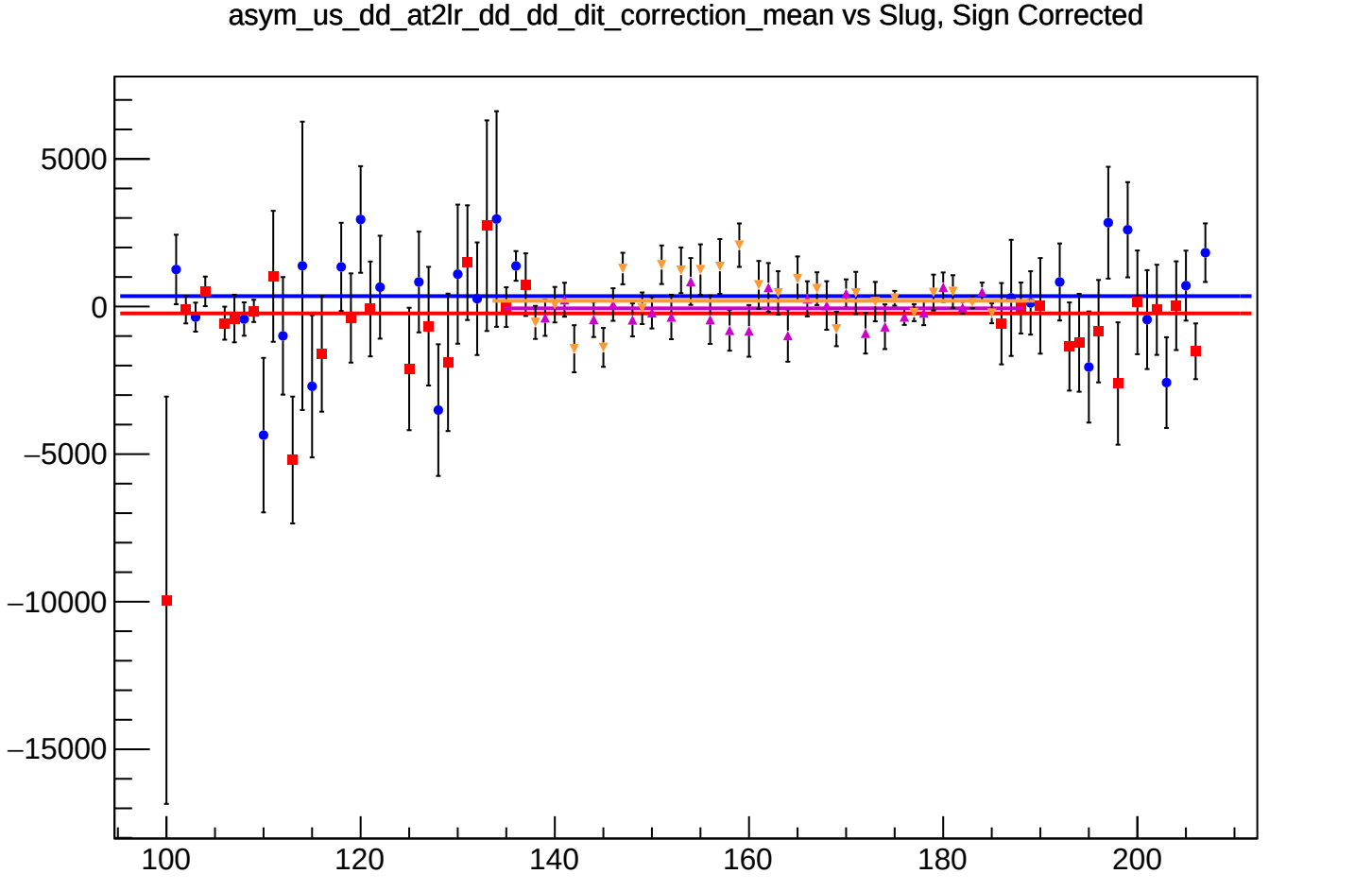
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1515.571+/-0.195 χ^2/NDF: 1121124.1/54

In: 1549.155+/-0.191 χ^2/NDF:768420.3/48

Out: 1552.138+/-0.188 χ^2/NDF:673318.7/52

All: 1550.668+/-0.134 χ^2/NDF: 1441862.7/10



Right In: 352.666+/-224.196 χ^2/NDF: 31.9/25

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

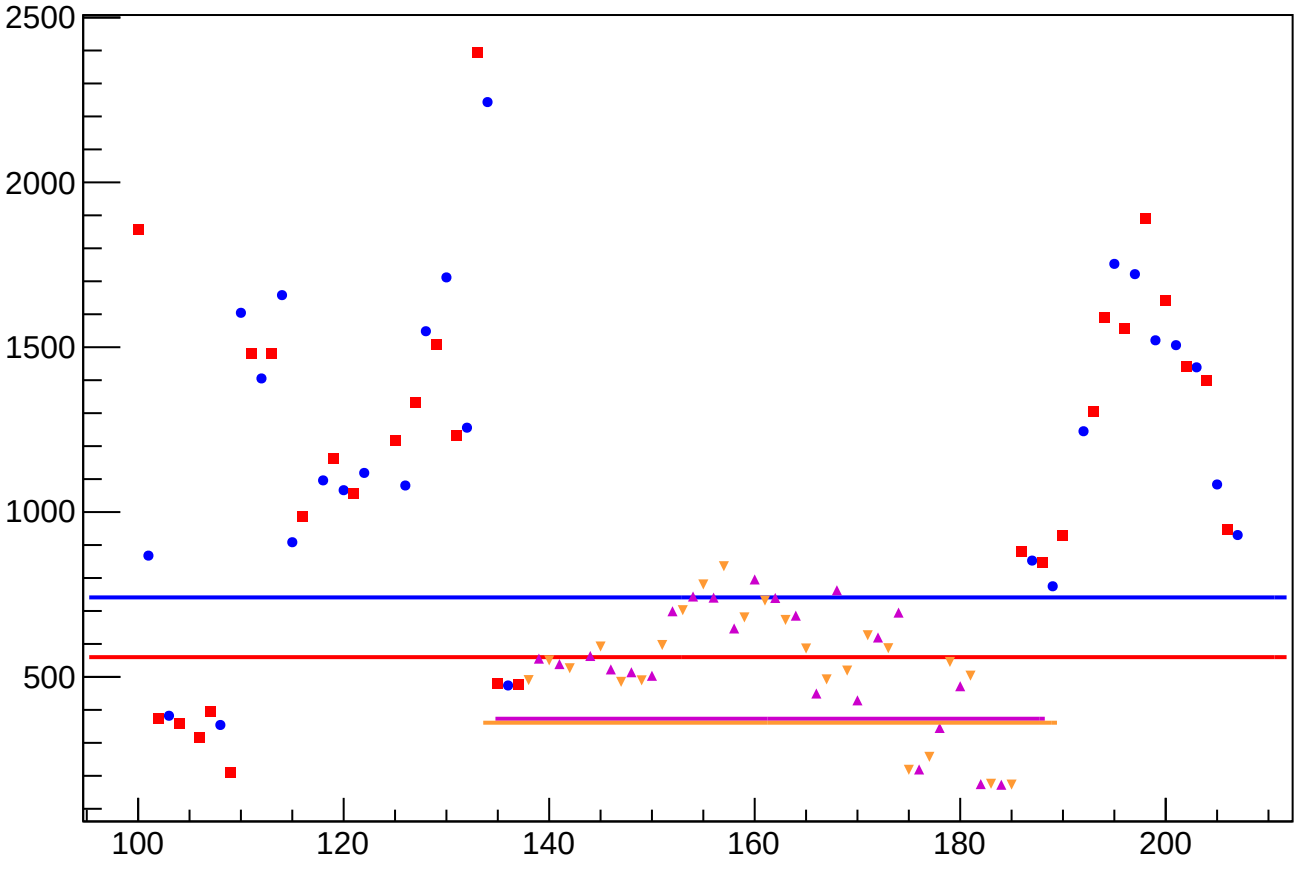
Right: -8.348+/-138.821 χ^2/NDF: 55.3/54

In: 6.331+/-91.111 χ^2/NDF:51.8/48

Out: 96.433+/-84.292 χ^2/NDF:63.7/52

All: 54.880+/-61.874 χ^2/NDF: 116.0/101

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 741.172+/-0.159 χ^2/NDF: 7508765.9/25

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

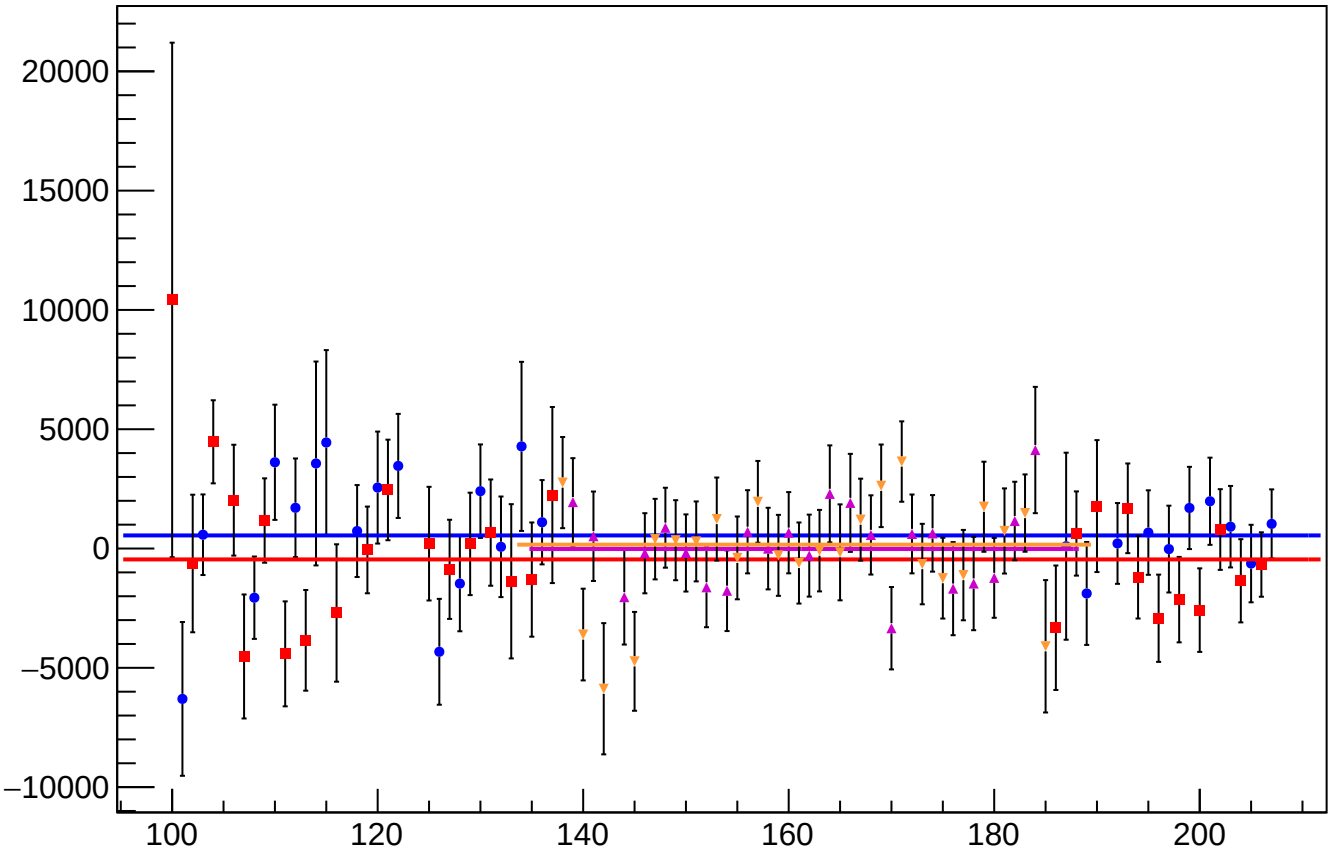
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 629.449+/-0.098 χ^2/NDF: 19725003.0/54

In: 433.922+/-0.064 χ^2/NDF:20215488.8/48

Out: 406.312+/-0.060 χ^2/NDF:21549545.8/52

All: 419.045+/-0.044 χ^2/NDF: 41863997.4/10



Right In: 548.980+/-395.407 χ^2/NDF: 24.0/25

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

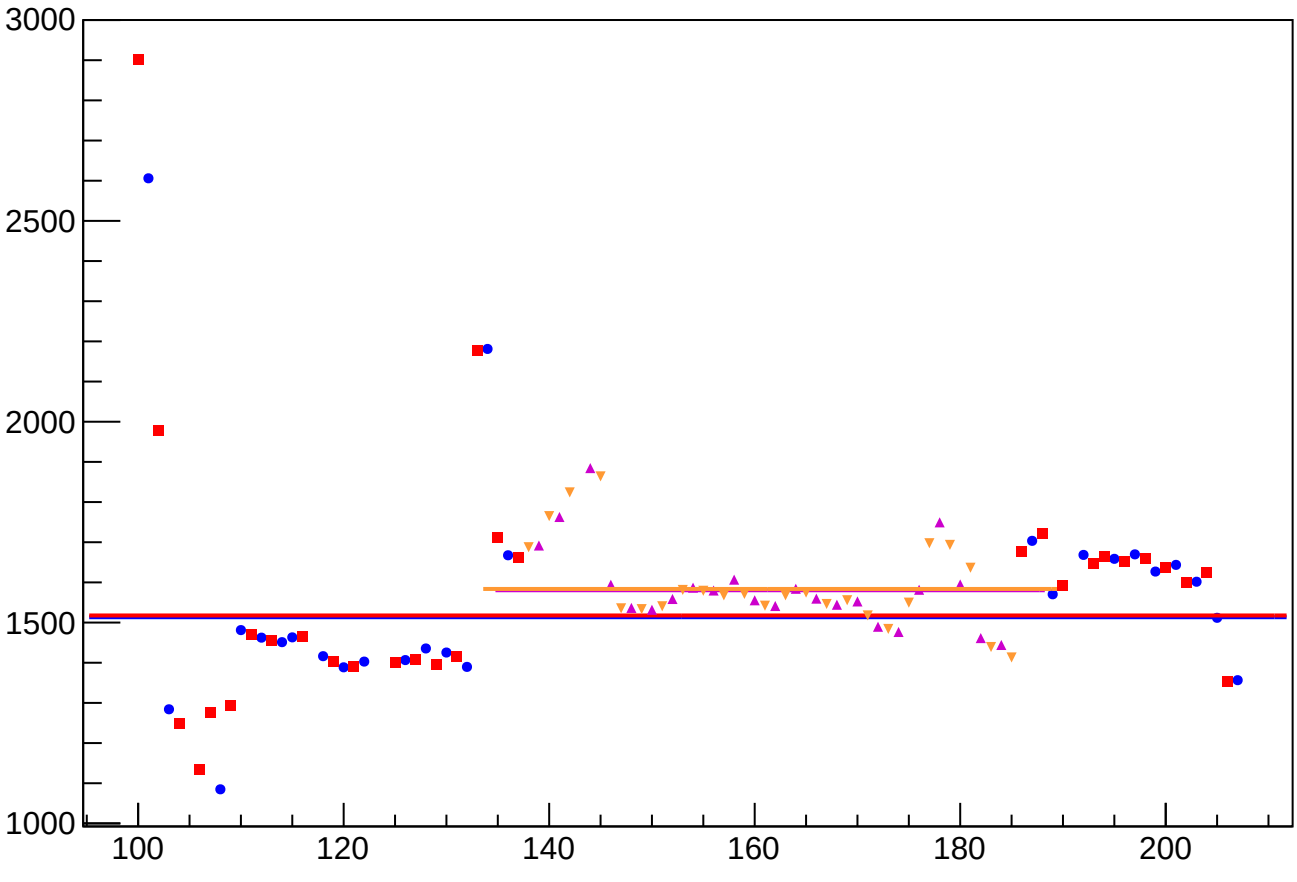
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 33.062+/-275.879 χ^2/NDF: 59.1/54

In: 245.322+/-270.080 χ^2/NDF:41.0/48

Out: -133.645+/-266.194 χ^2/NDF:63.1/52

All: 53.092+/-189.586 χ^2/NDF: 105.1/101



Right In: 1513.356+/-0.280 χ^2/NDF: 611942.4/25

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

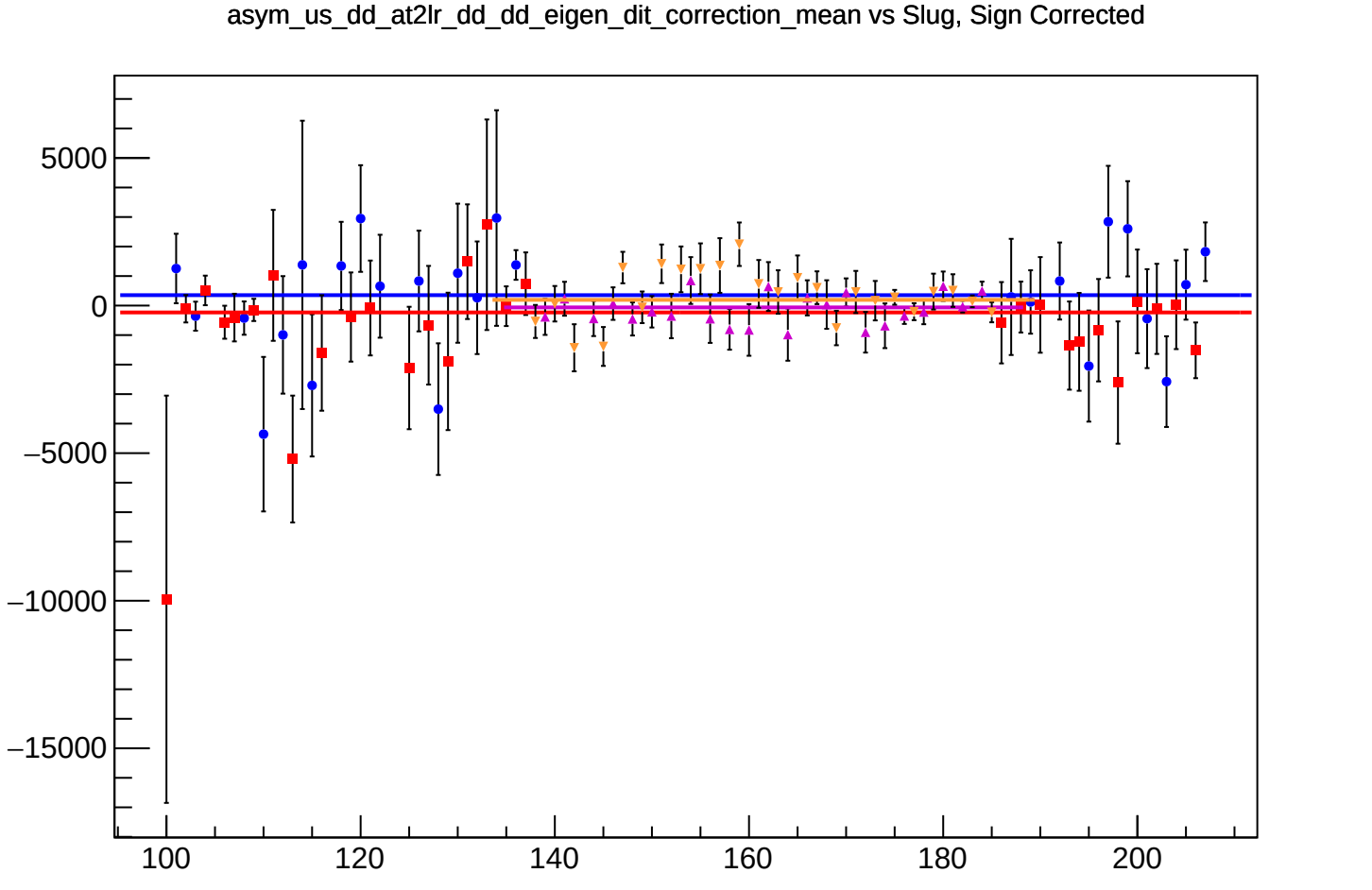
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1515.571+/-0.195 χ^2/NDF: 1121123.6/54

In: 1549.155+/-0.191 χ^2/NDF:768419.6/48

Out: 1552.138+/-0.188 χ^2/NDF:673318.6/52

All: 1550.668+/-0.134 χ^2/NDF: 1441862.0/10



Right In: 352.661+/-224.196 χ^2/NDF: 31.9/25

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

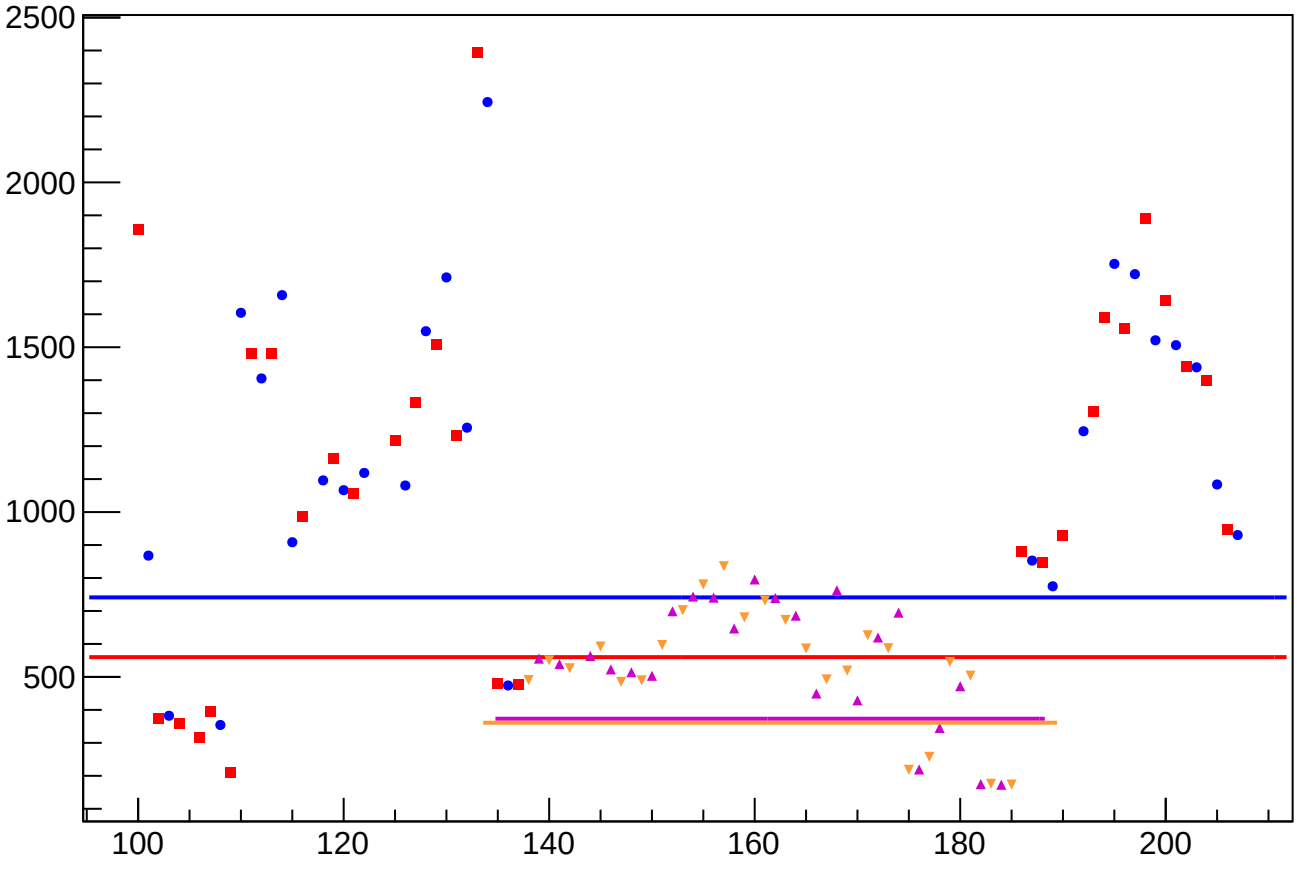
Right: -8.347+/-138.821 χ^2/NDF: 55.3/54

In: 6.333+/-91.112 χ^2/NDF:51.8/48

Out: 96.437+/-84.292 χ^2/NDF:63.7/52

All: 54.883+/-61.874 χ^2/NDF: 116.0/101

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 741.170+/-0.159 χ^2/NDF: 7508788.4/25

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

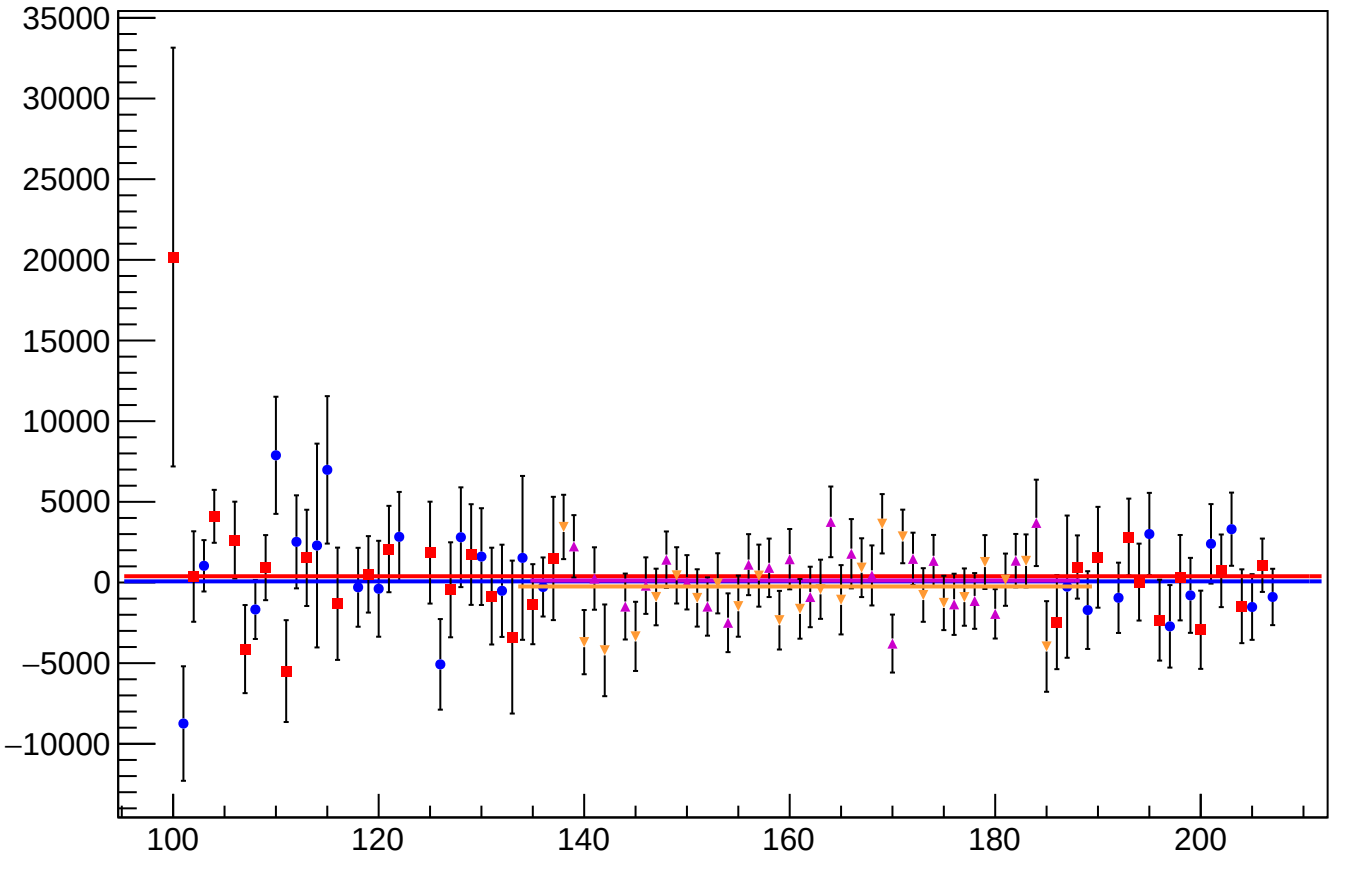
Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

Right: 629.453+/-0.098 χ^2/NDF: 19724774.2/54

In: 433.927+/-0.064 χ^2/NDF:20215097.0/48

Out: 406.316+/-0.060 χ^2/NDF:21549251.7/52

All: 419.049+/-0.044 χ^2/NDF: 41863312.9/10



Right In: 69.938+/-493.451 χ^2/NDF: 28.1/25

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

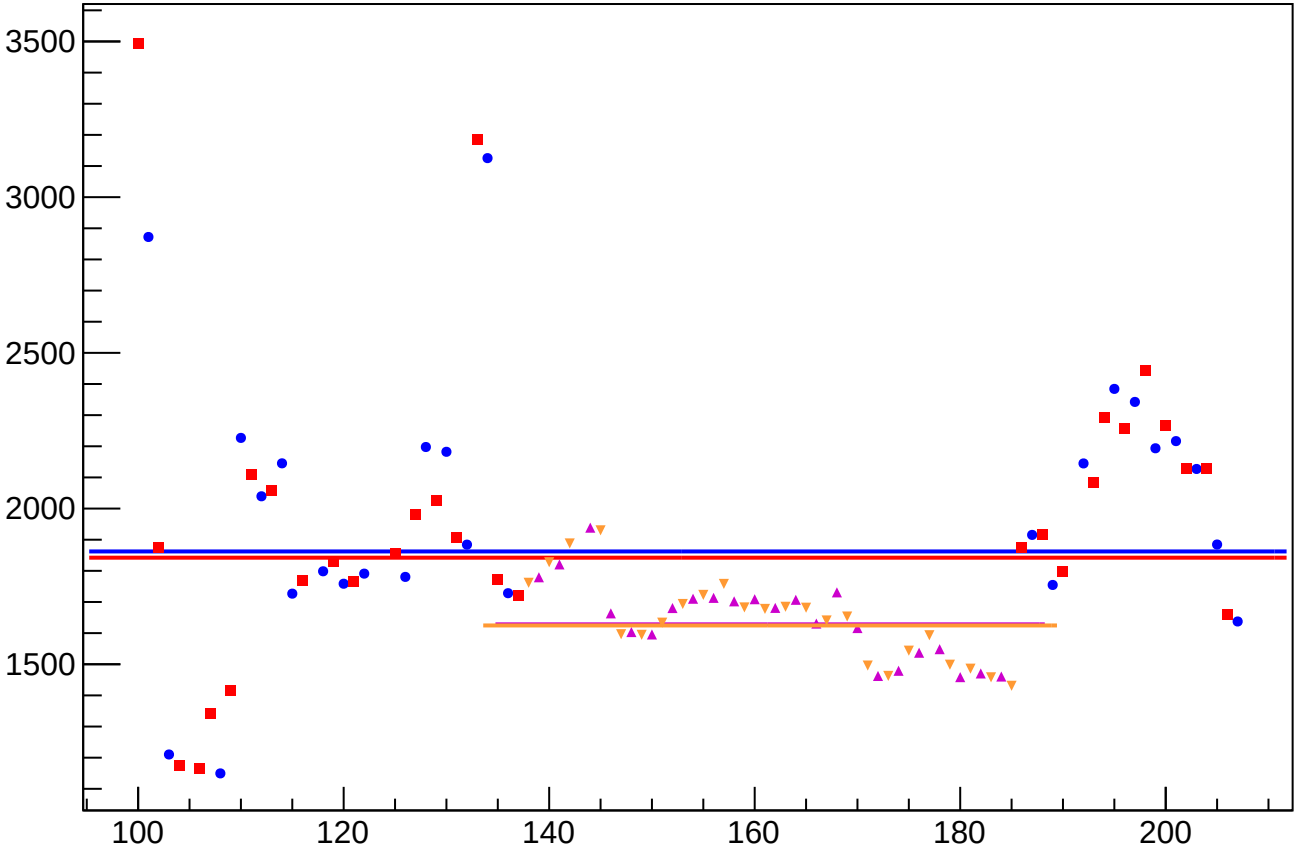
Right: 234.782+/-342.101 χ^2/NDF: 51.7/54

In: 105.111+/-301.720 χ^2/NDF:49.3/48

Out: -0.744+/-295.810 χ^2/NDF:50.5/52

All: 51.137+/-211.228 χ^2/NDF: 99.9/101

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1862.312+/-0.349 χ^2/NDF: 1356961.9/25

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

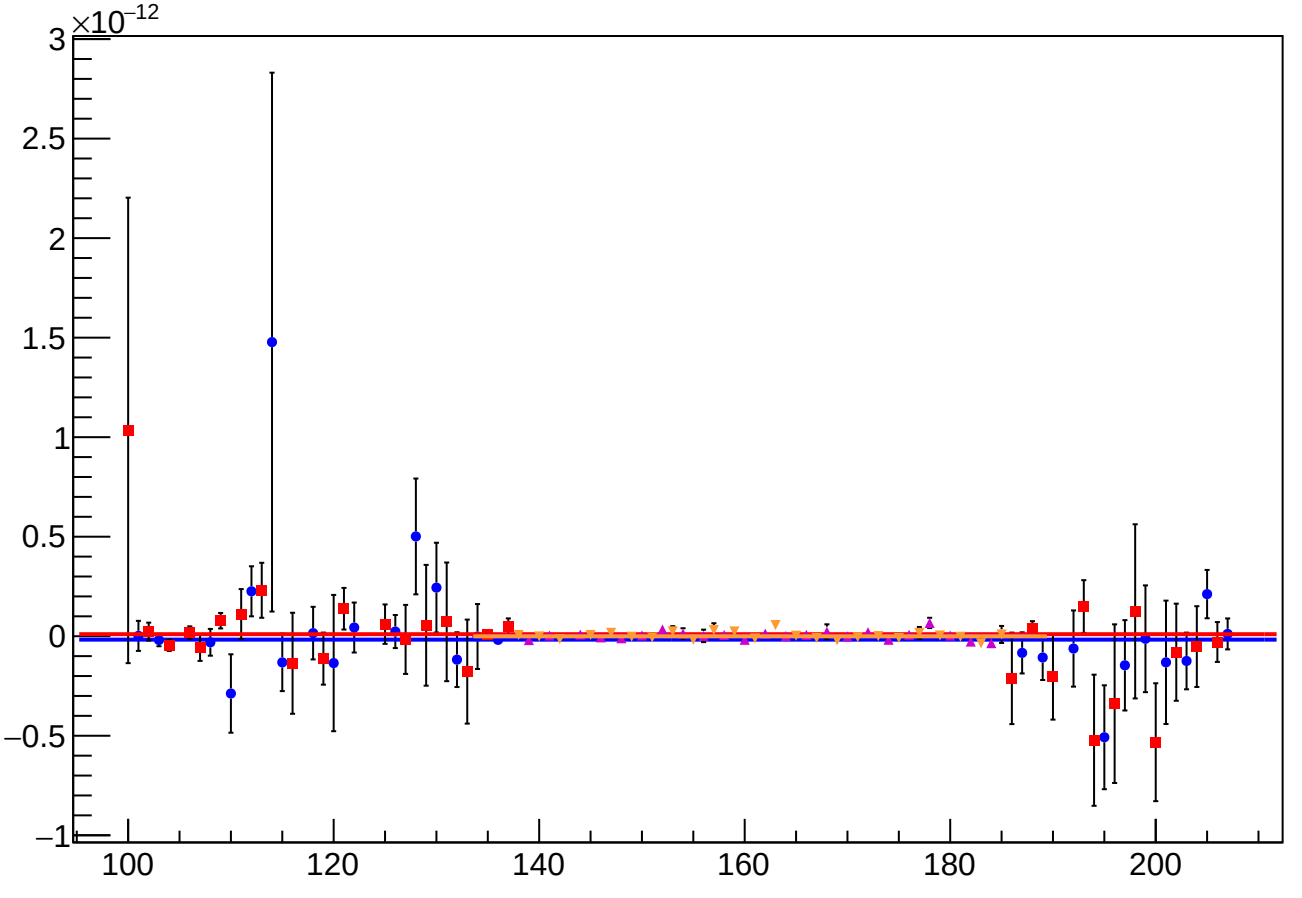
Right: 1851.900+/-0.242 χ^2/NDF: 2646827.1/54

In: 1715.741+/-0.213 χ^2/NDF:1843665.6/48

Out: 1709.132+/-0.209 χ^2/NDF:1752586.7/52

All: 1712.371+/-0.149 χ^2/NDF: 3596741.6/10

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/25

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

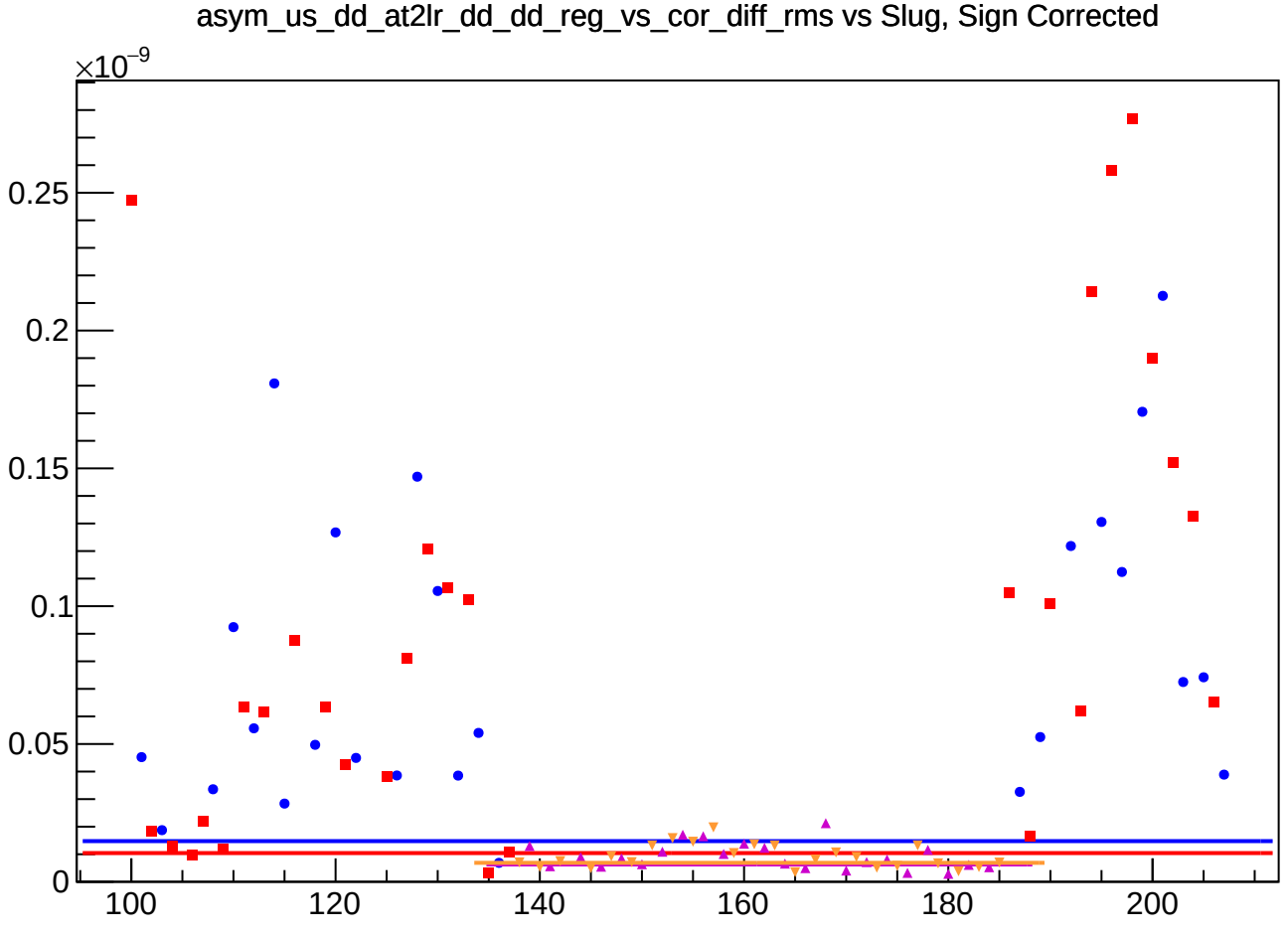
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 54.3/54

In: 0.000+/-0.000 χ^2/NDF:50.2/48

Out: 0.000+/-0.000 χ^2/NDF:51.3/52

All: 0.000+/-0.000 χ^2/NDF: 101.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 7732542.5/25

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

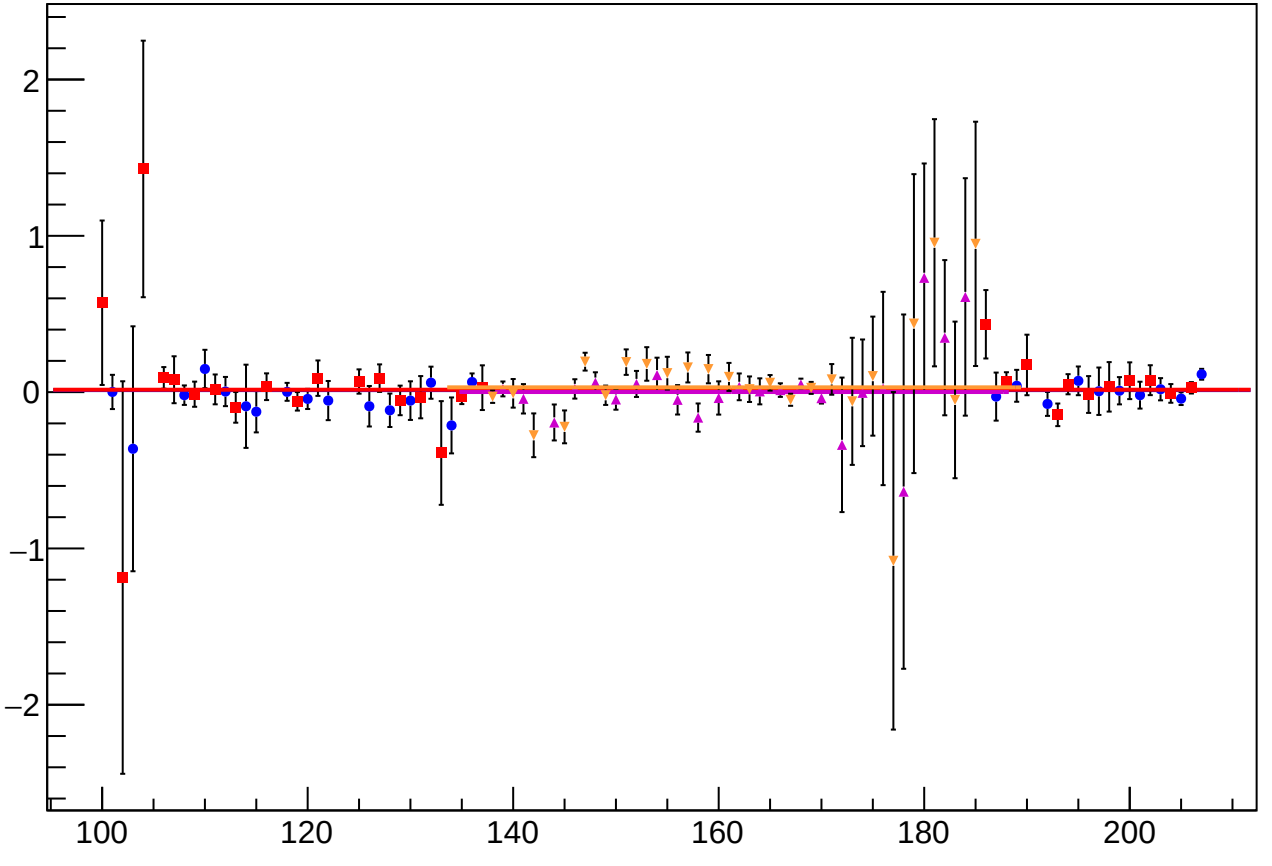
Right: 0.000+/-0.000 χ^2/NDF: 17650254.1/54

In: 0.000+/-0.000 χ^2/NDF:11962599.5/48

Out: 0.000+/-0.000 χ^2/NDF:12270653.3/52

All: 0.000+/-0.000 χ^2/NDF: 24253100.2/101

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.015 χ^2/NDF: 21.5/25

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

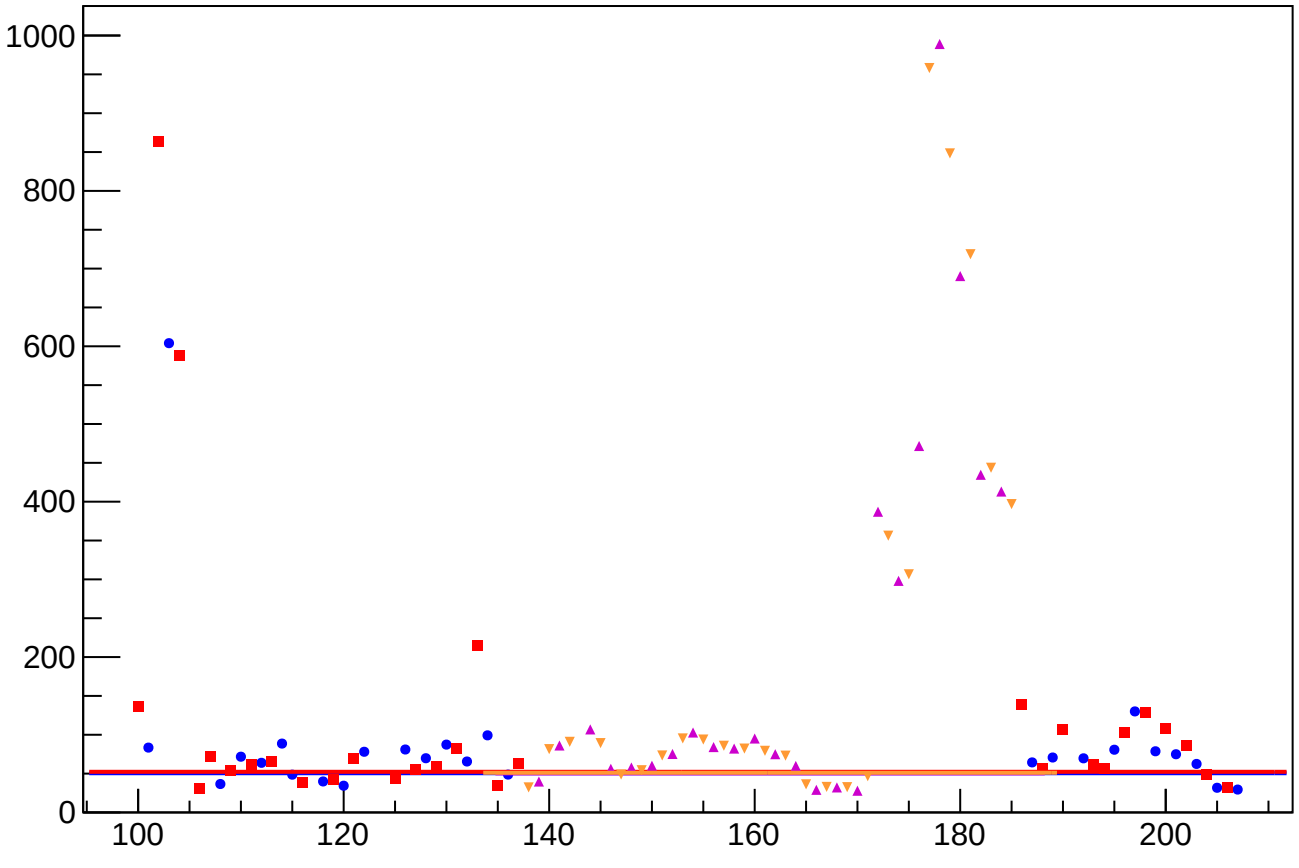
Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

Right: 0.014+/-0.011 χ^2/NDF: 46.6/54

In: 0.007+/-0.011 χ^2/NDF:37.8/48

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.015+/-0.008 χ^2/NDF: 106.1/101



Right In: 50.490+/-0.011 χ^2/NDF: 4828412.4/25

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

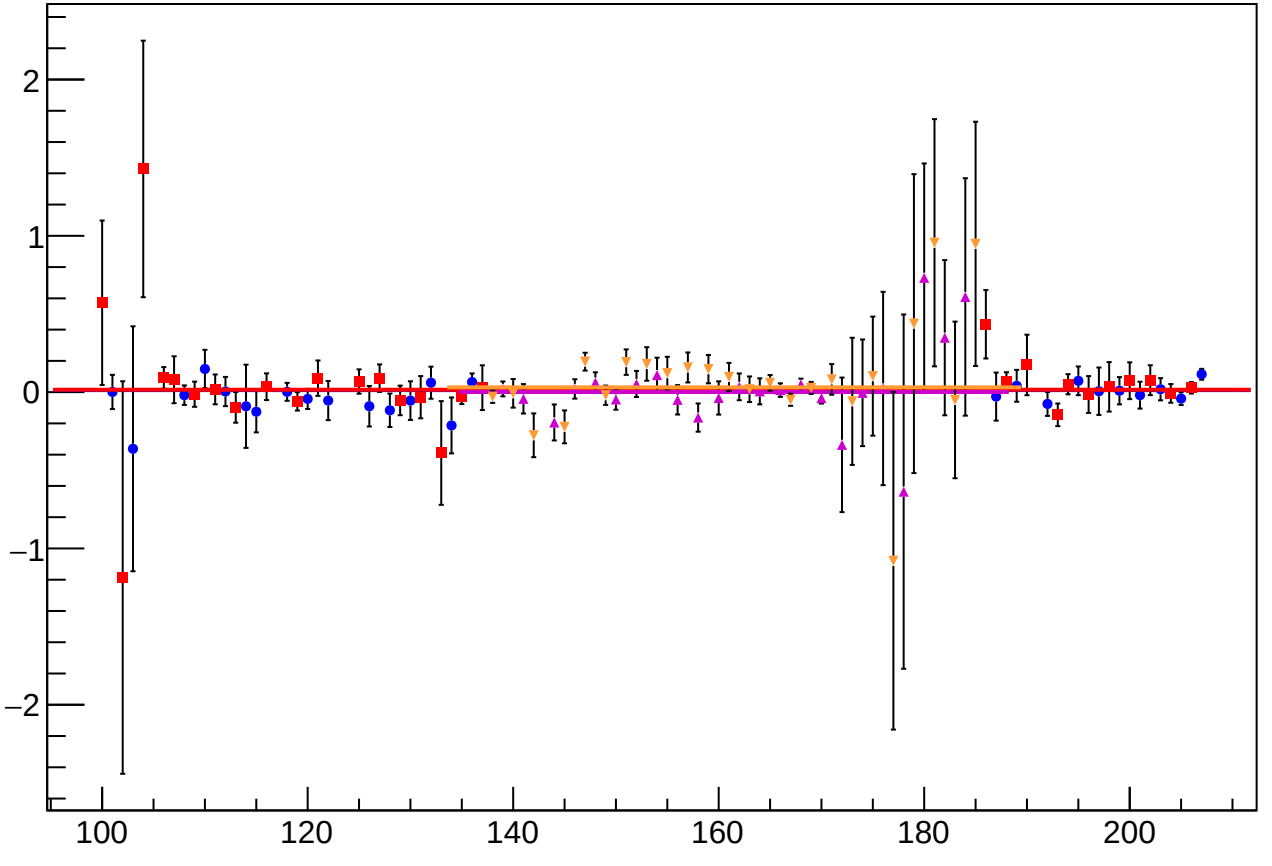
Right: 51.397+/-0.008 χ^2/NDF: 10541861.8/54

In: 50.369+/-0.008 χ^2/NDF:17024380.9/48

Out: 51.702+/-0.008 χ^2/NDF:17442410.5/52

All: 51.026+/-0.005 χ^2/NDF: 34481707.7/101

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.015 χ^2/NDF: 21.5/25

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

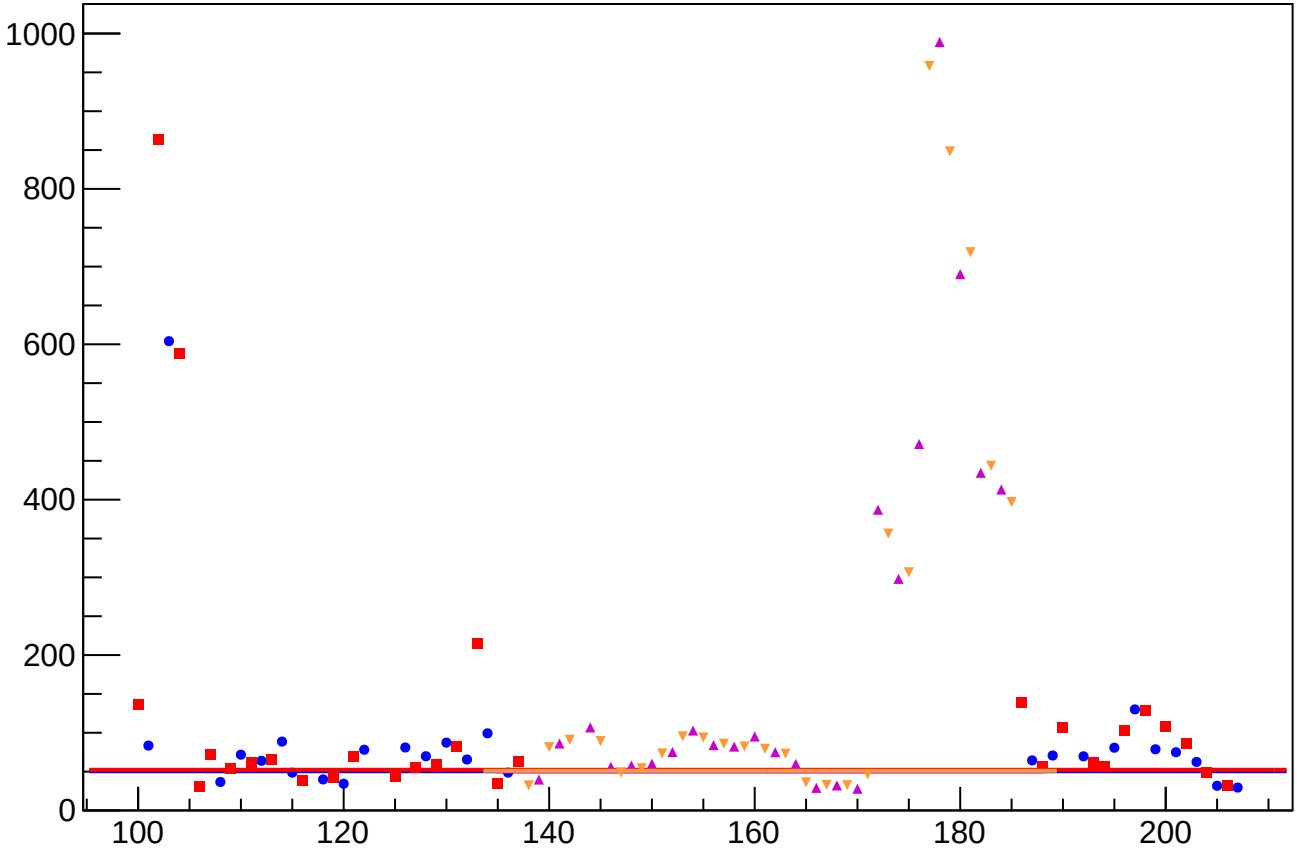
Right: 0.014+/-0.011 χ^2/NDF: 46.6/54

In: 0.007+/-0.011 χ^2/NDF:37.8/48

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.015+/-0.008 χ^2/NDF: 106.1/101

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.490+/-0.011 χ^2/NDF: 4828412.4/25

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

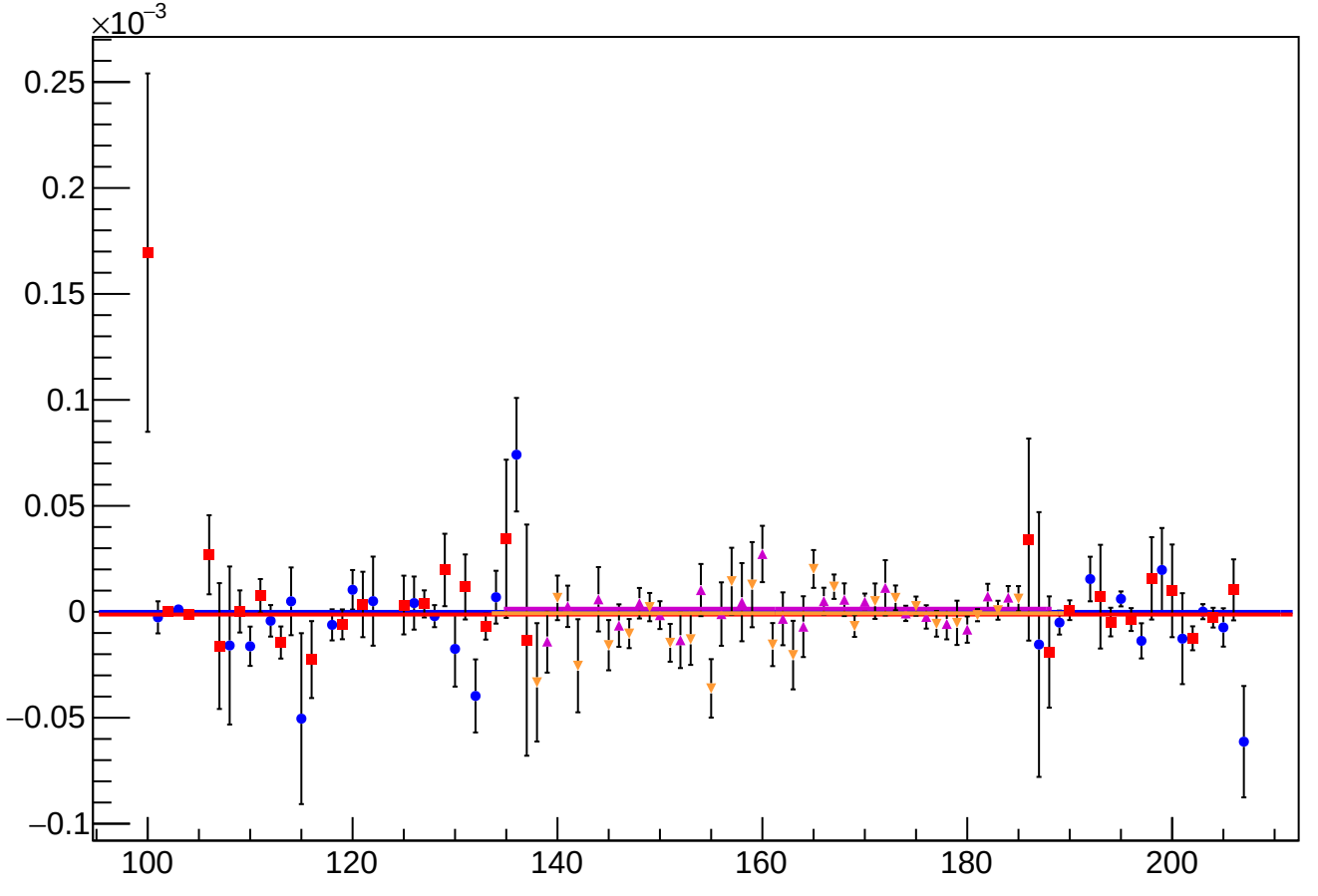
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 51.397+/-0.008 χ^2/NDF: 10541861.8/54

In: 50.369+/-0.008 χ^2/NDF:17024380.9/48

Out: 51.702+/-0.008 χ^2/NDF:17442410.5/52

All: 51.026+/-0.005 χ^2/NDF: 34481707.7/101



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/25

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/28

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

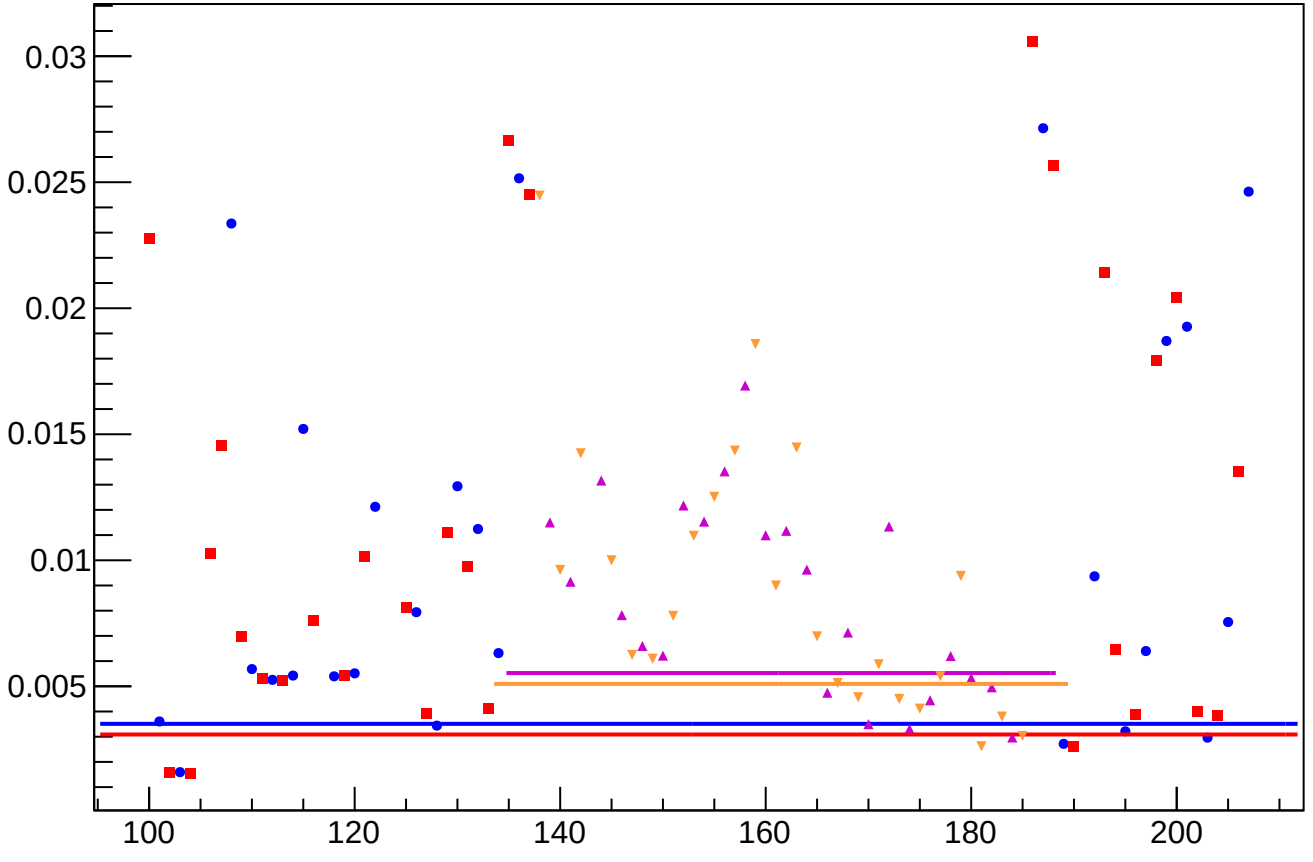
Right: -0.000+/-0.000 χ^2/NDF: 64.4/54

In: 0.000+/-0.000 χ^2/NDF:55.4/48

Out: -0.000+/-0.000 χ^2/NDF:64.1/52

All: -0.000+/-0.000 χ^2/NDF: 121.0/101

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 11108618.5/25

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

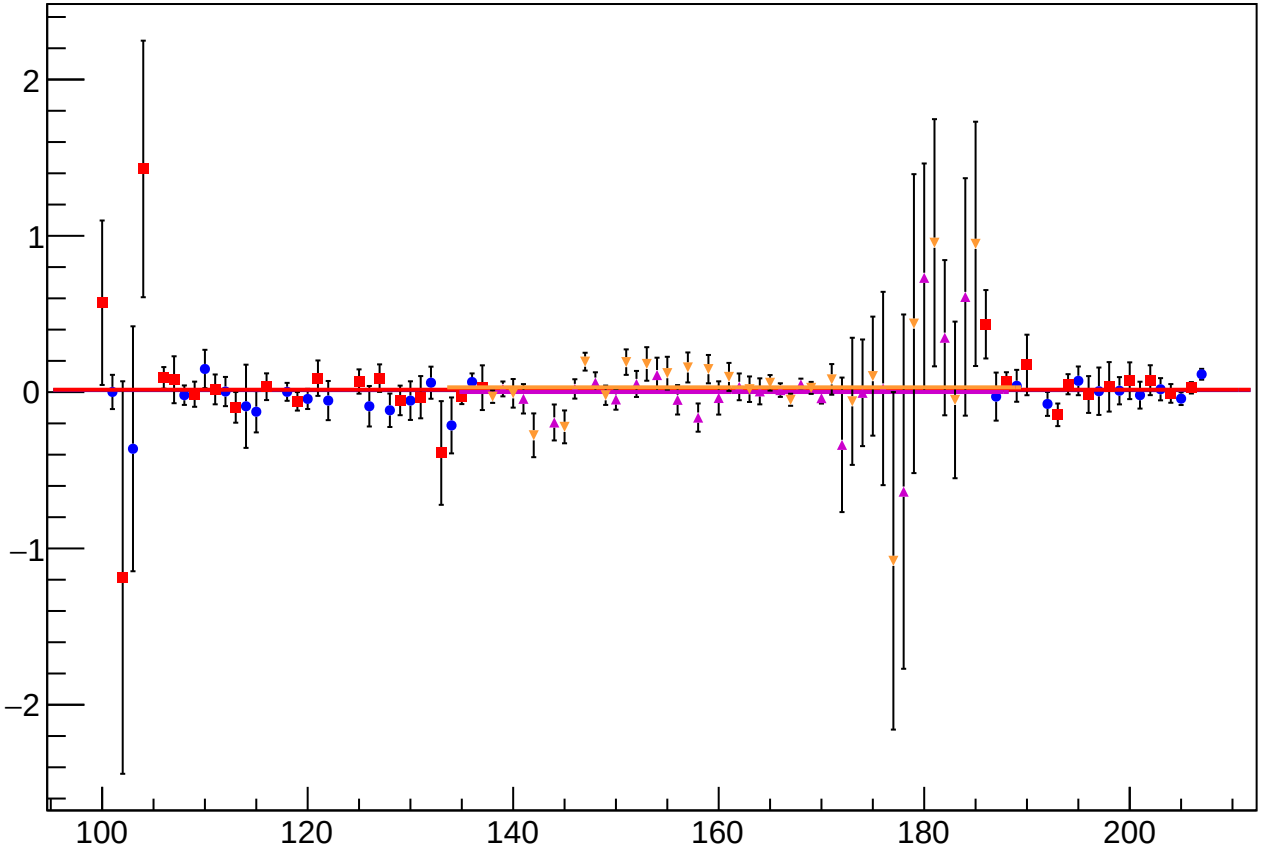
Right: 0.003+/-0.000 χ^2/NDF: 25255148.8/54

In: 0.004+/-0.000 χ^2/NDF:20079546.3/48

Out: 0.004+/-0.000 χ^2/NDF:24947403.8/52

All: 0.004+/-0.000 χ^2/NDF: 45302745.5/101

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.015 χ^2/NDF: 21.5/25

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

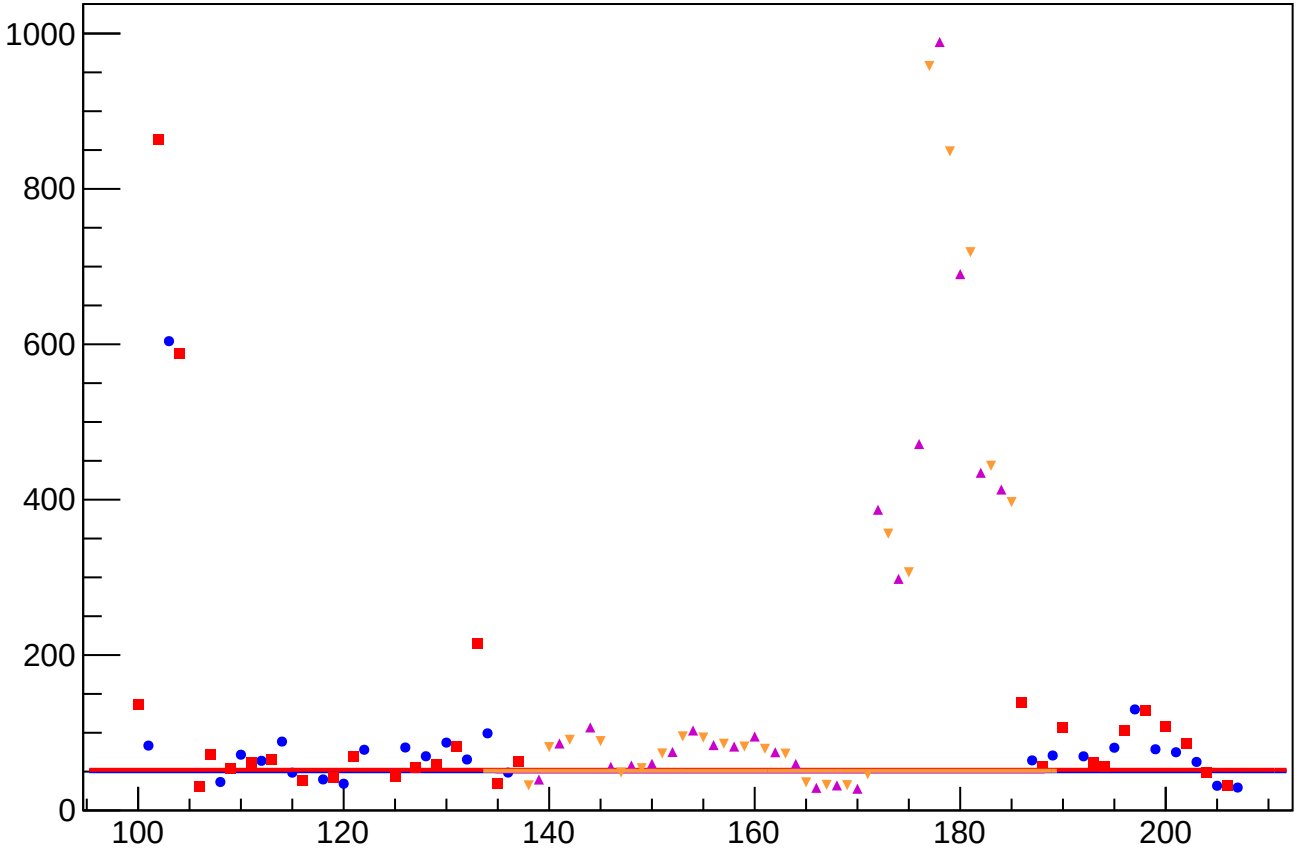
Right: 0.014+/-0.011 χ^2/NDF: 46.6/54

In: 0.007+/-0.011 χ^2/NDF:37.8/48

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.015+/-0.008 χ^2/NDF: 106.1/101

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.491+/-0.011 χ^2/NDF: 4828158.4/25

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

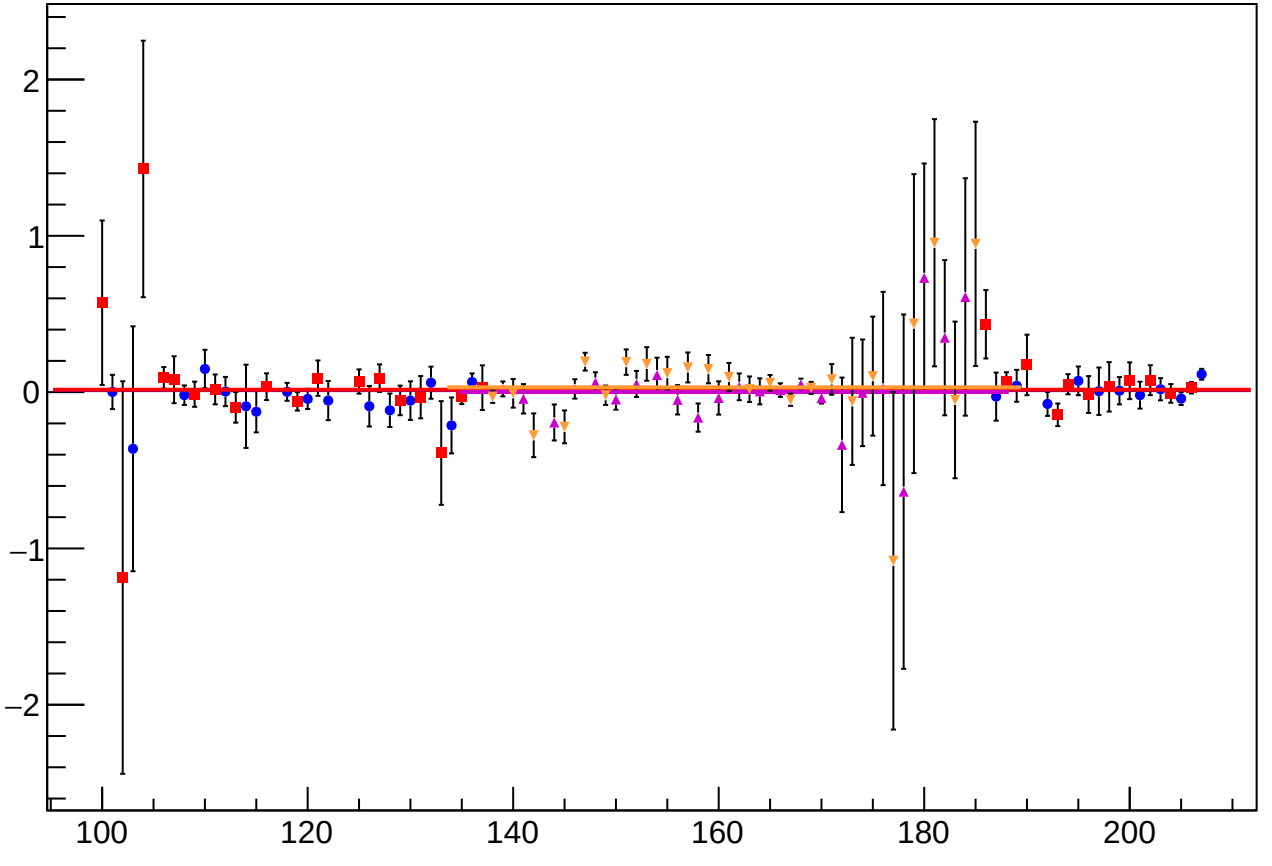
Right: 51.398+/-0.008 χ^2/NDF: 10541378.5/54

In: 50.370+/-0.008 χ^2/NDF:17024070.2/48

Out: 51.703+/-0.008 χ^2/NDF:17441333.3/52

All: 51.027+/-0.005 χ^2/NDF: 34480349.3/101

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.015 χ^2/NDF: 21.5/25

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

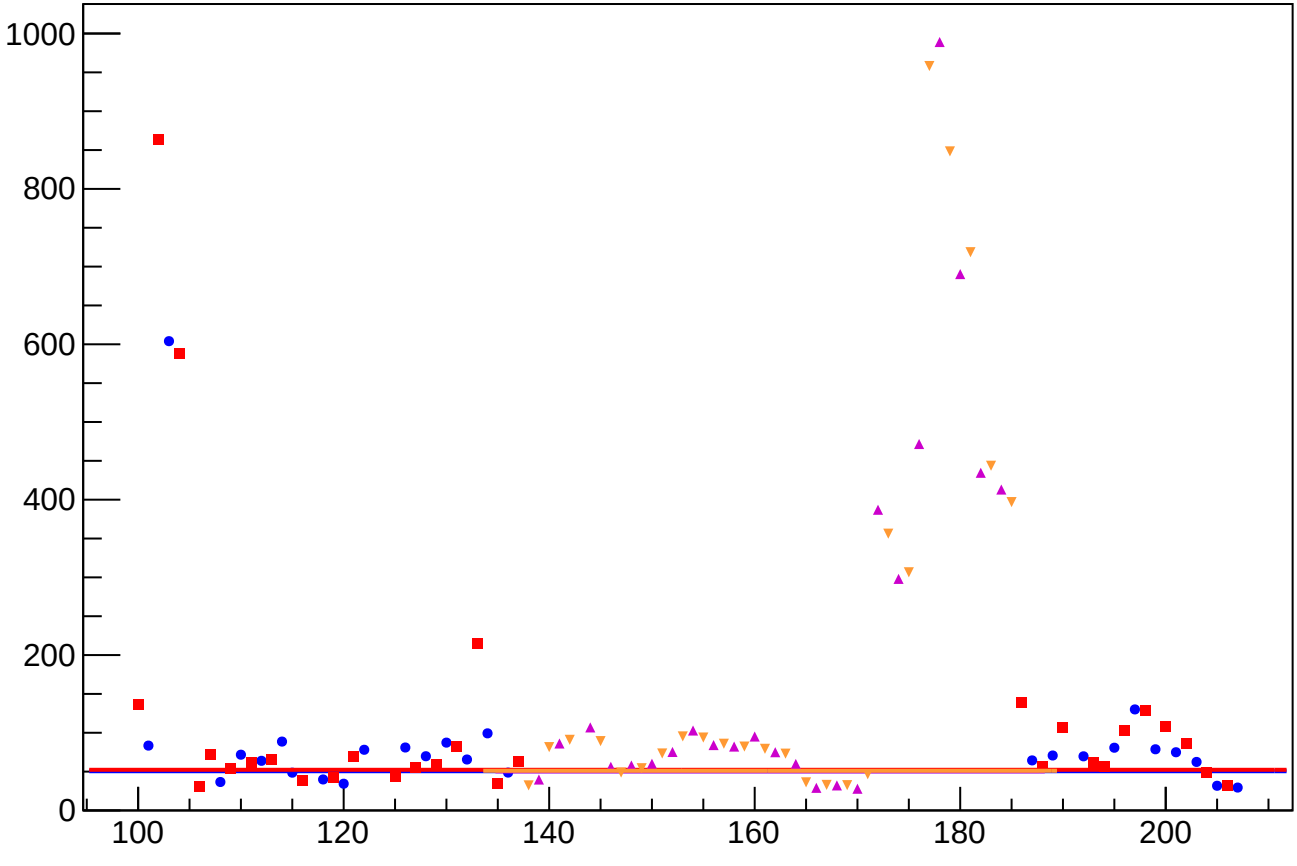
Right: 0.014+/-0.011 χ^2/NDF: 46.6/54

In: 0.007+/-0.011 χ^2/NDF:37.8/48

Out: 0.023+/-0.011 χ^2/NDF:67.1/52

All: 0.015+/-0.008 χ^2/NDF: 106.1/101

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.491+/-0.011 χ^2/NDF: 4828158.4/25

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

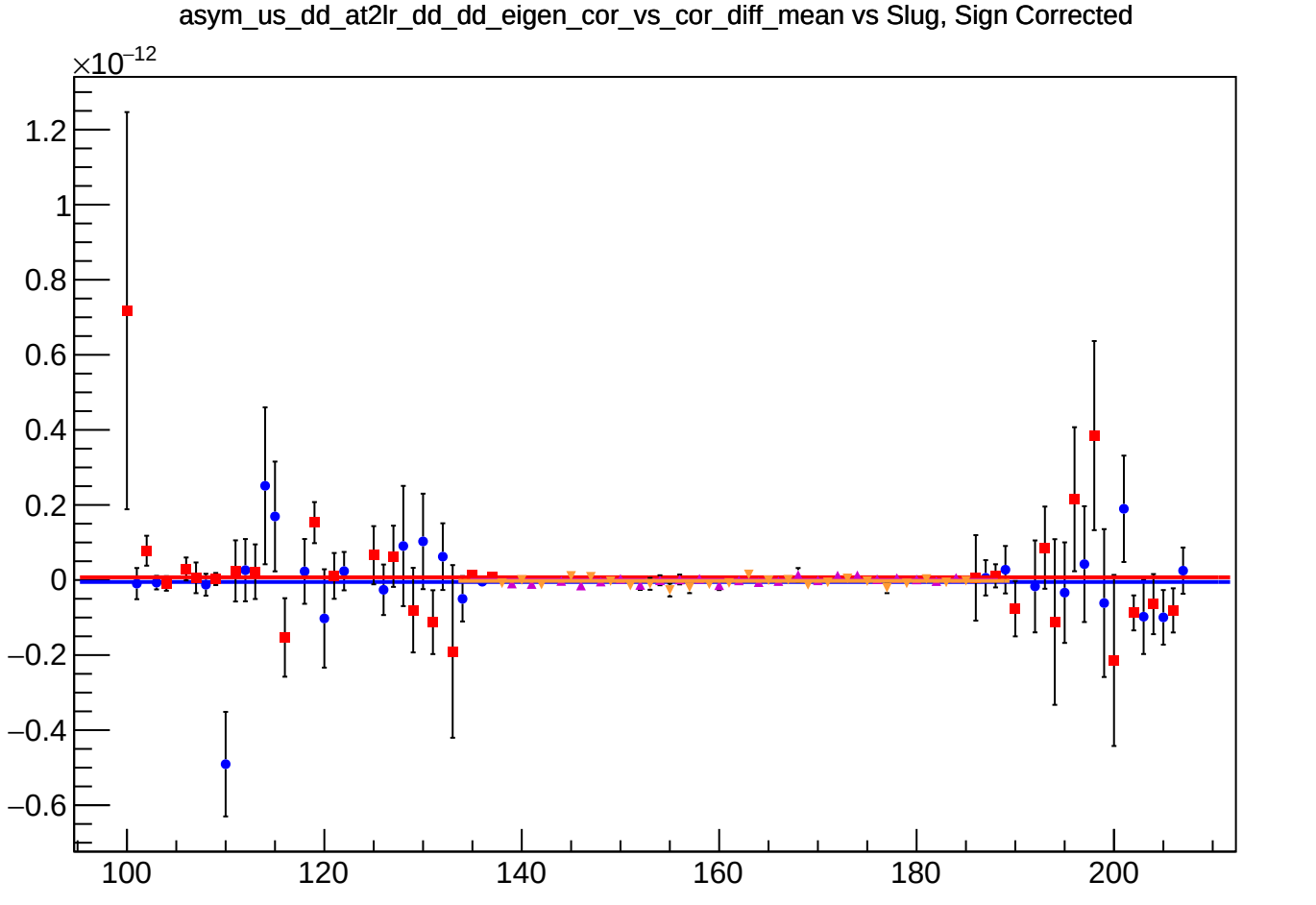
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

Right: 51.398+/-0.008 χ^2/NDF: 10541378.5/54

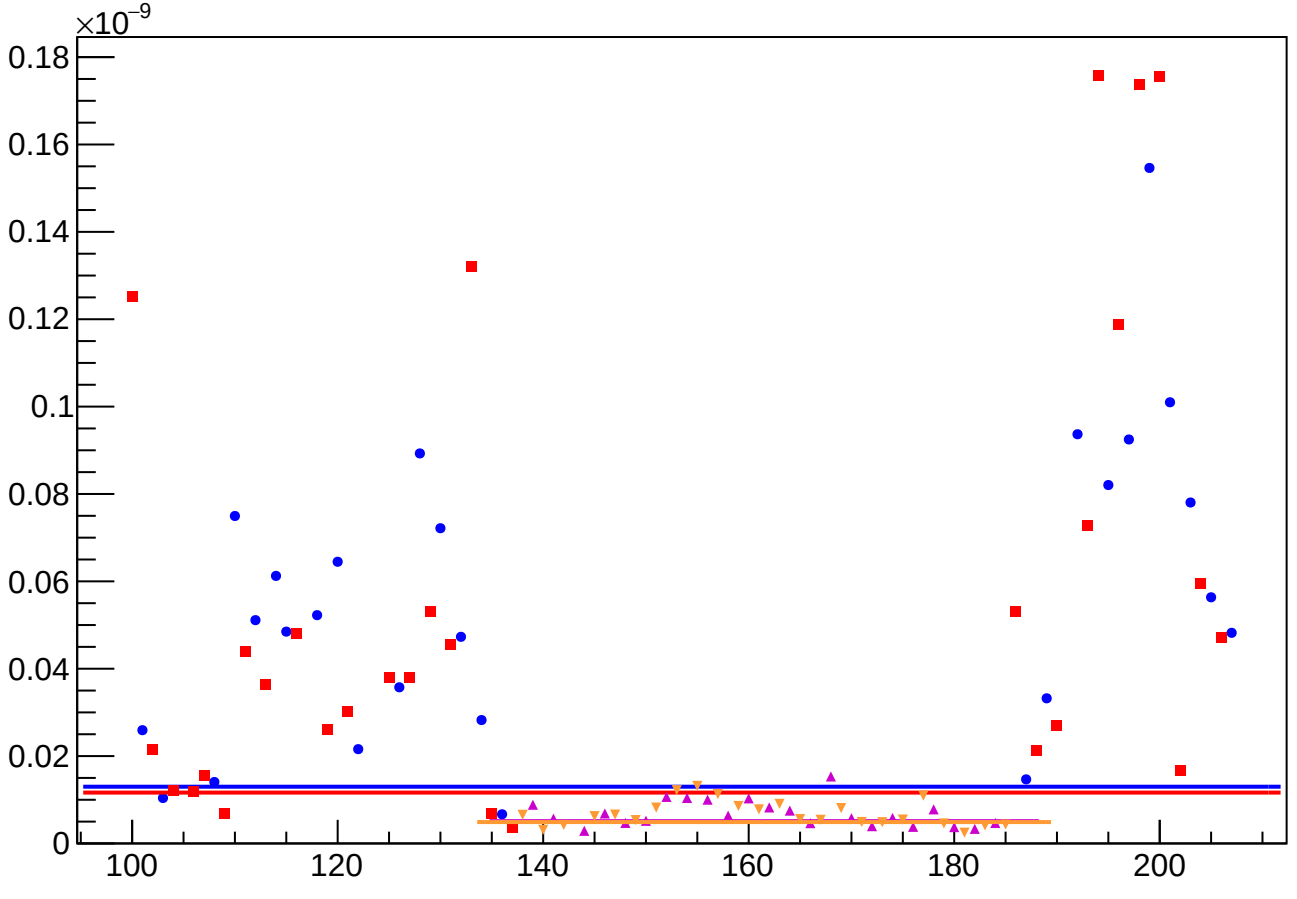
In: 50.370+/-0.008 χ^2/NDF:17024070.2/48

Out: 51.703+/-0.008 χ^2/NDF:17441333.3/52

All: 51.027+/-0.005 χ^2/NDF: 34480349.3/101


asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.8/25
Left Out: -0.000+/-0.000 χ²/NDF:22.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 34.0/28
Left In: -0.000+/-0.000 χ²/NDF:18.2/22
Left: -0.000+/-0.000 χ²/NDF: 41.4/46
Right: 0.000+/-0.000 χ²/NDF: 59.8/54
In: -0.000+/-0.000 χ²/NDF:42.6/48
Out: -0.000+/-0.000 χ²/NDF:58.6/52
All: -0.000+/-0.000 χ²/NDF: 101.5/101

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: 10960111.9/25

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

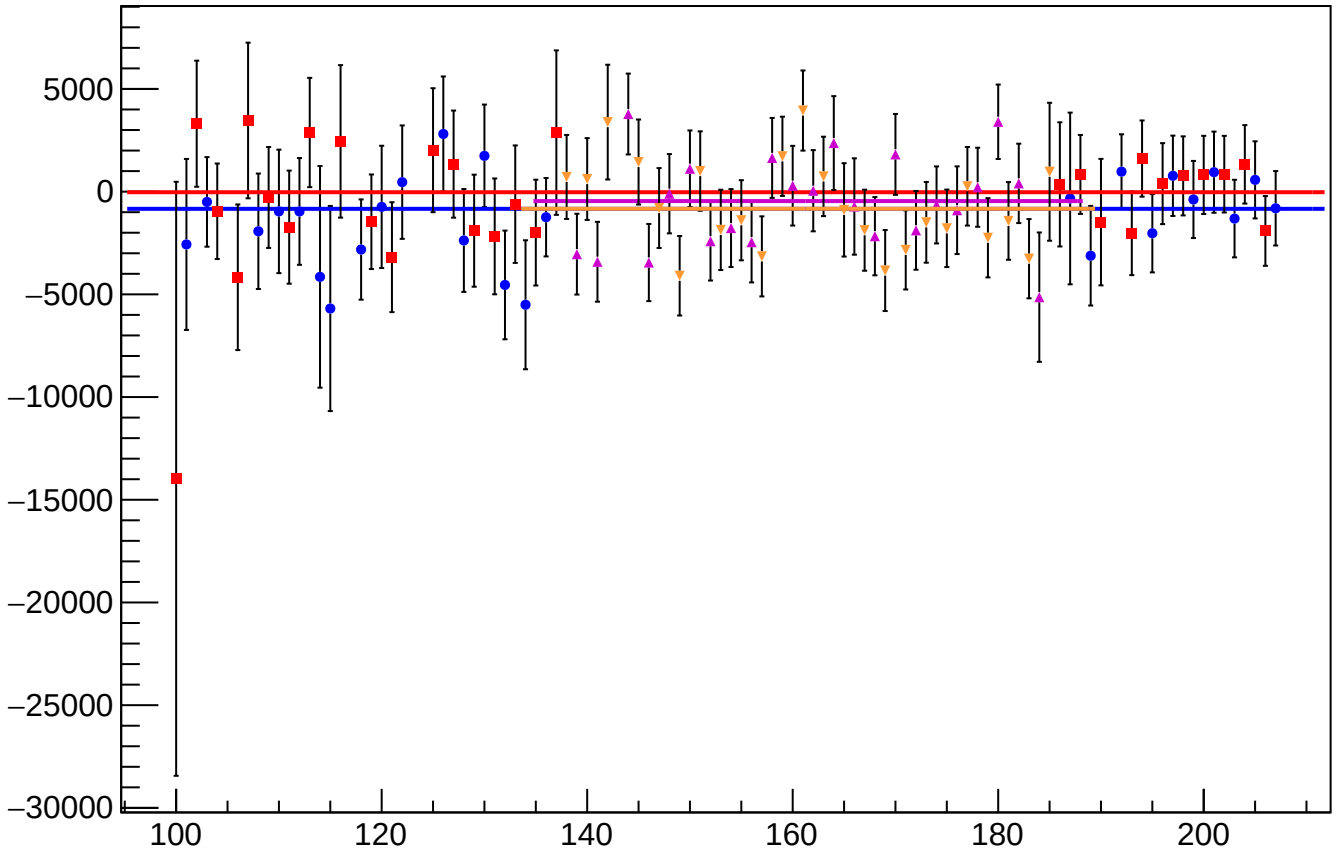
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 21498495.5/54

In: 0.000+/-0.000 χ^2/NDF:17433122.4/48

Out: 0.000+/-0.000 χ^2/NDF:17069778.5/52

All: 0.000+/-0.000 χ^2/NDF: 34529428.9/101



Right In: -836.481+/-467.192 χ^2/NDF: 14.4/25

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

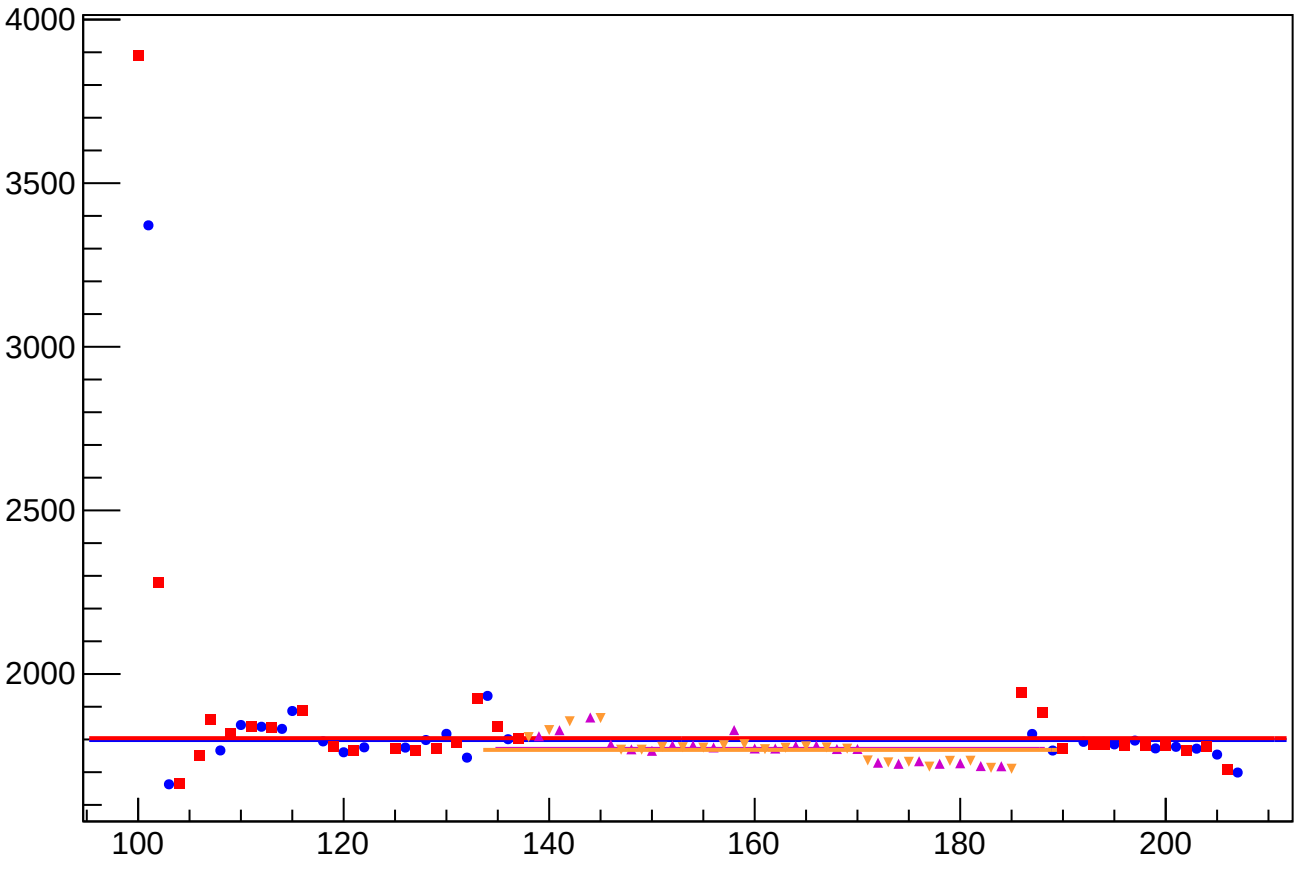
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -420.042+/-325.322 χ^2/NDF: 31.7/54

In: -625.207+/-309.697 χ^2/NDF:42.0/48

Out: -470.108+/-304.247 χ^2/NDF:43.0/52

All: -546.281+/-217.036 χ^2/NDF: 85.1/101



Right In: 1798.260+/-0.330 χ^2/NDF: 309134.6/25

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

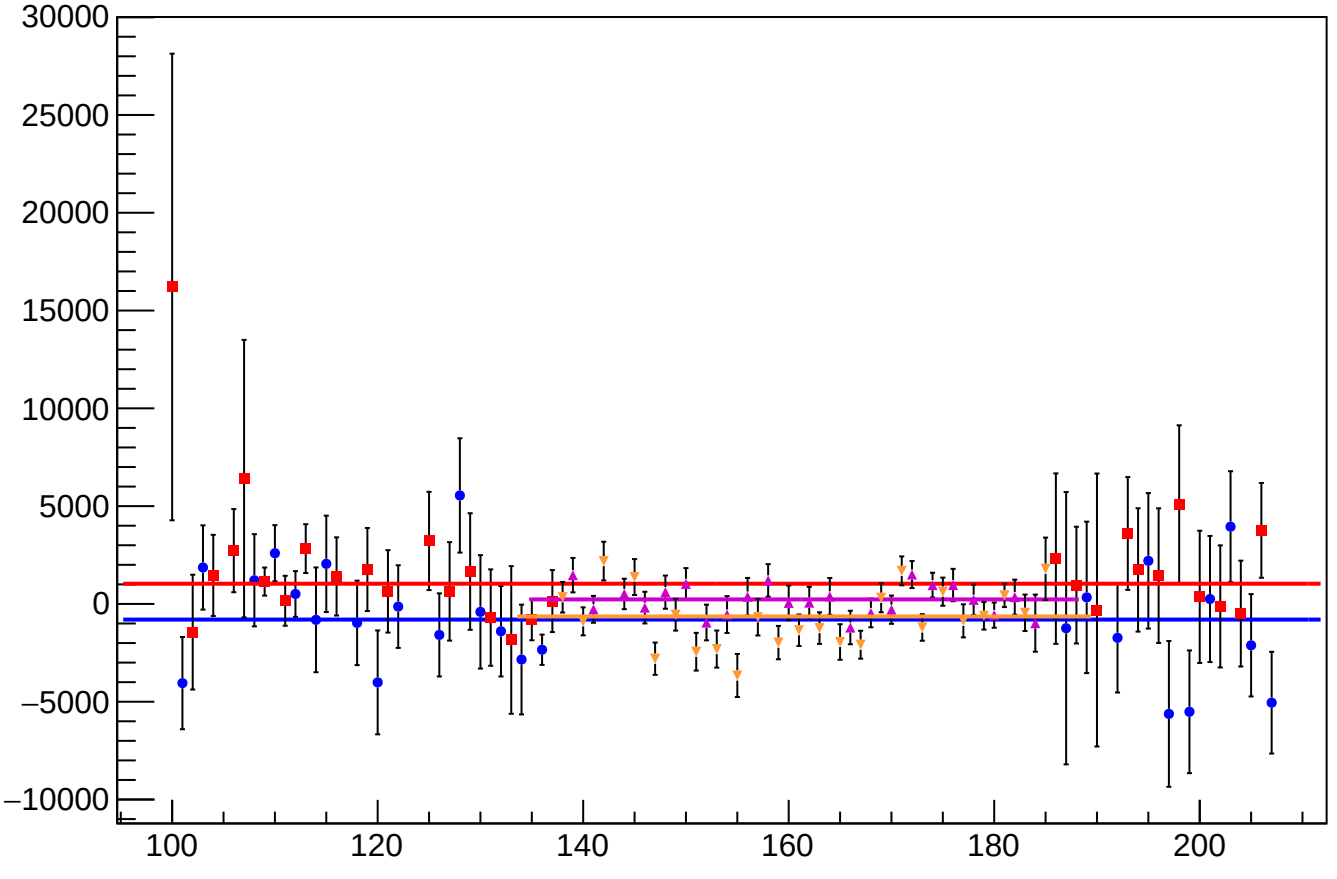
Right: 1801.200+/-0.230 χ^2/NDF: 431179.1/54

In: 1783.100+/-0.219 χ^2/NDF:329316.6/48

Out: 1784.274+/-0.215 χ^2/NDF:145120.3/52

All: 1783.698+/-0.153 χ^2/NDF: 474451.5/101

asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -799.870+/-404.825 χ^2/NDF: 34.1/25

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

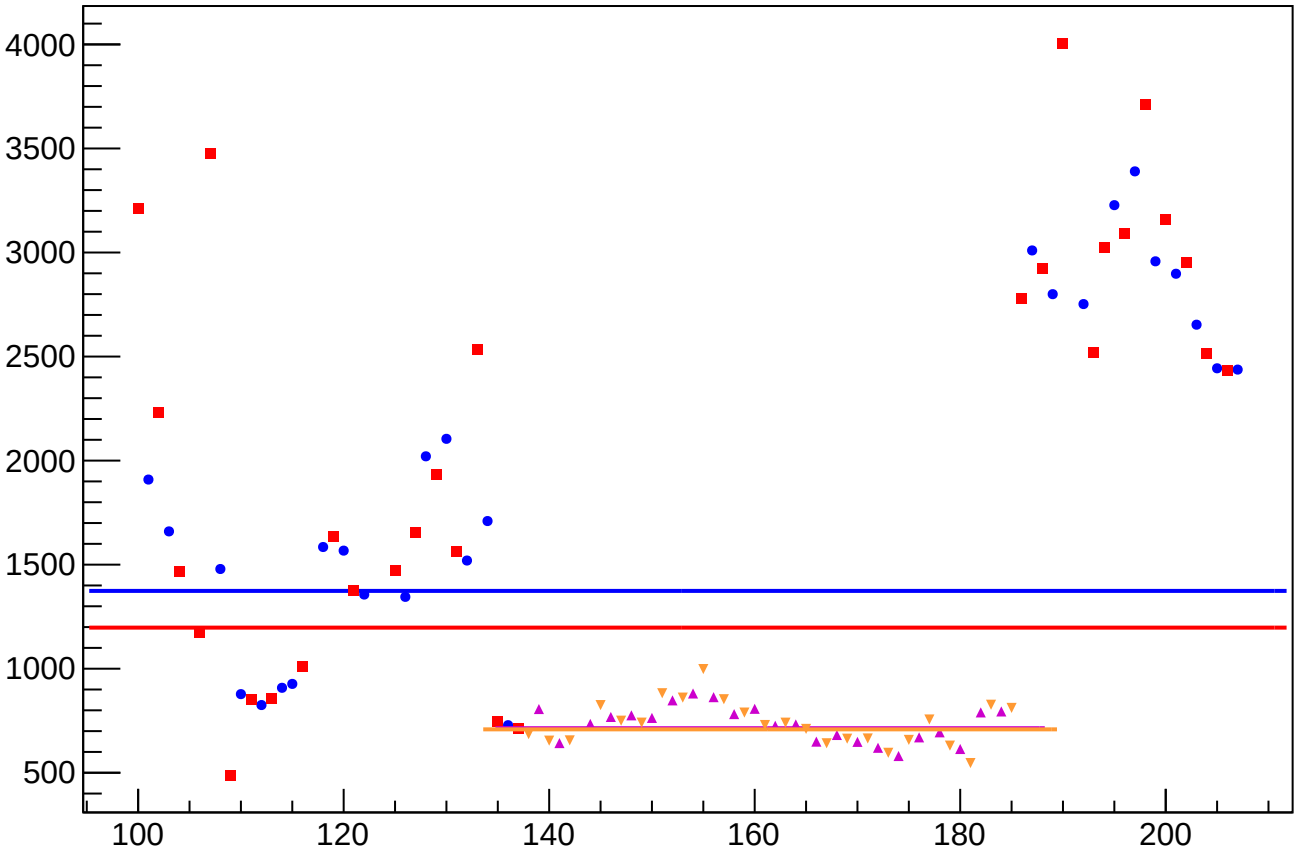
Left: -210.057+/-118.353 χ^2/NDF: 100.2/46

Right: 211.774+/-271.054 χ^2/NDF: 60.7/54

In: 78.759+/-155.420 χ^2/NDF:59.5/48

Out: -352.594+/-151.440 χ^2/NDF:99.5/52

All: -142.511+/-108.464 χ^2/NDF: 163.0/101



Right In: 1373.858+/-0.286 χ^2/NDF: 6685343.6/25

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

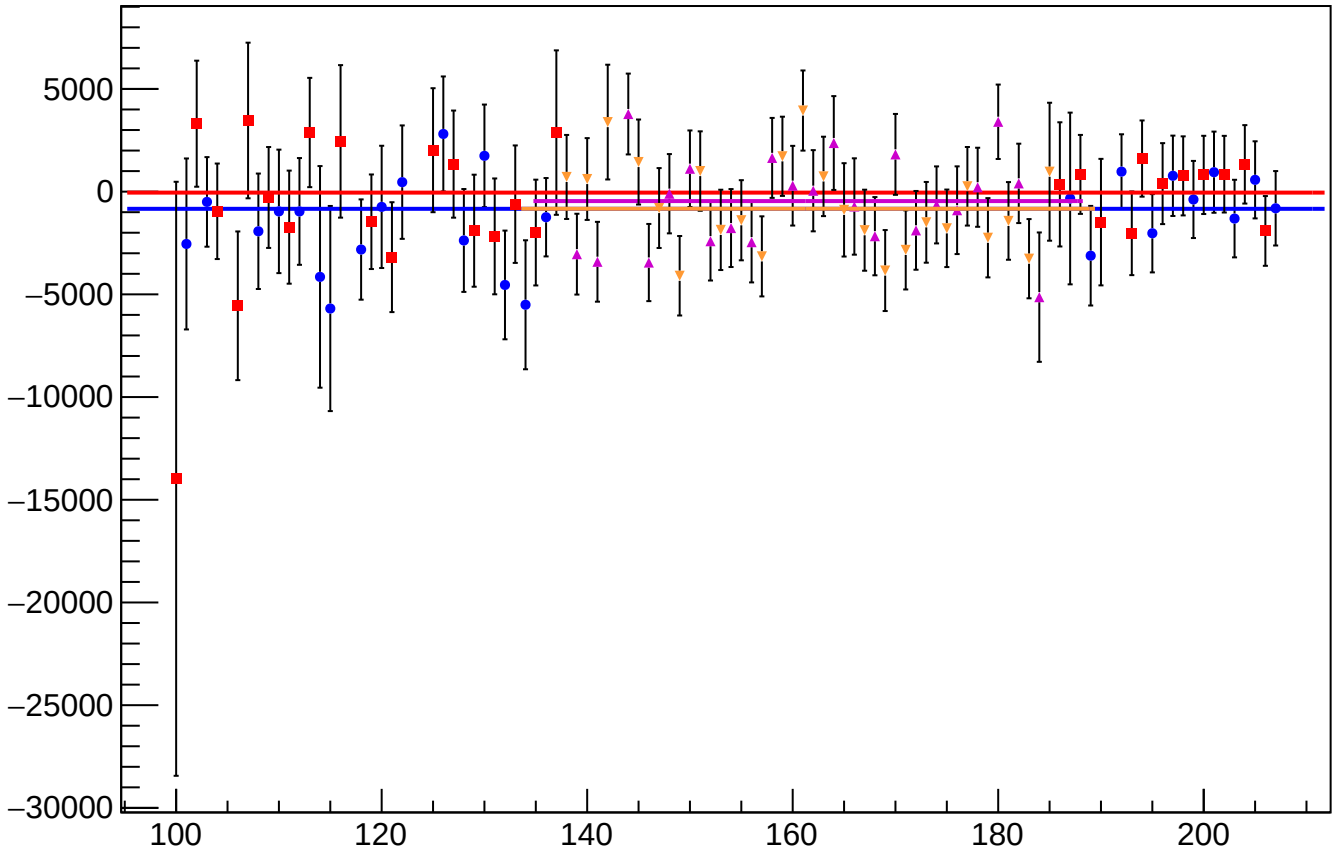
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1276.509+/-0.192 χ^2/NDF: 16895153.2/54

In: 811.398+/-0.110 χ^2/NDF:11710850.8/48

Out: 792.697+/-0.107 χ^2/NDF:13672123.9/52

All: 801.805+/-0.077 χ^2/NDF: 25397827.1/10



Right In: -836.230+/-467.192 χ^2/NDF: 14.4/25

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

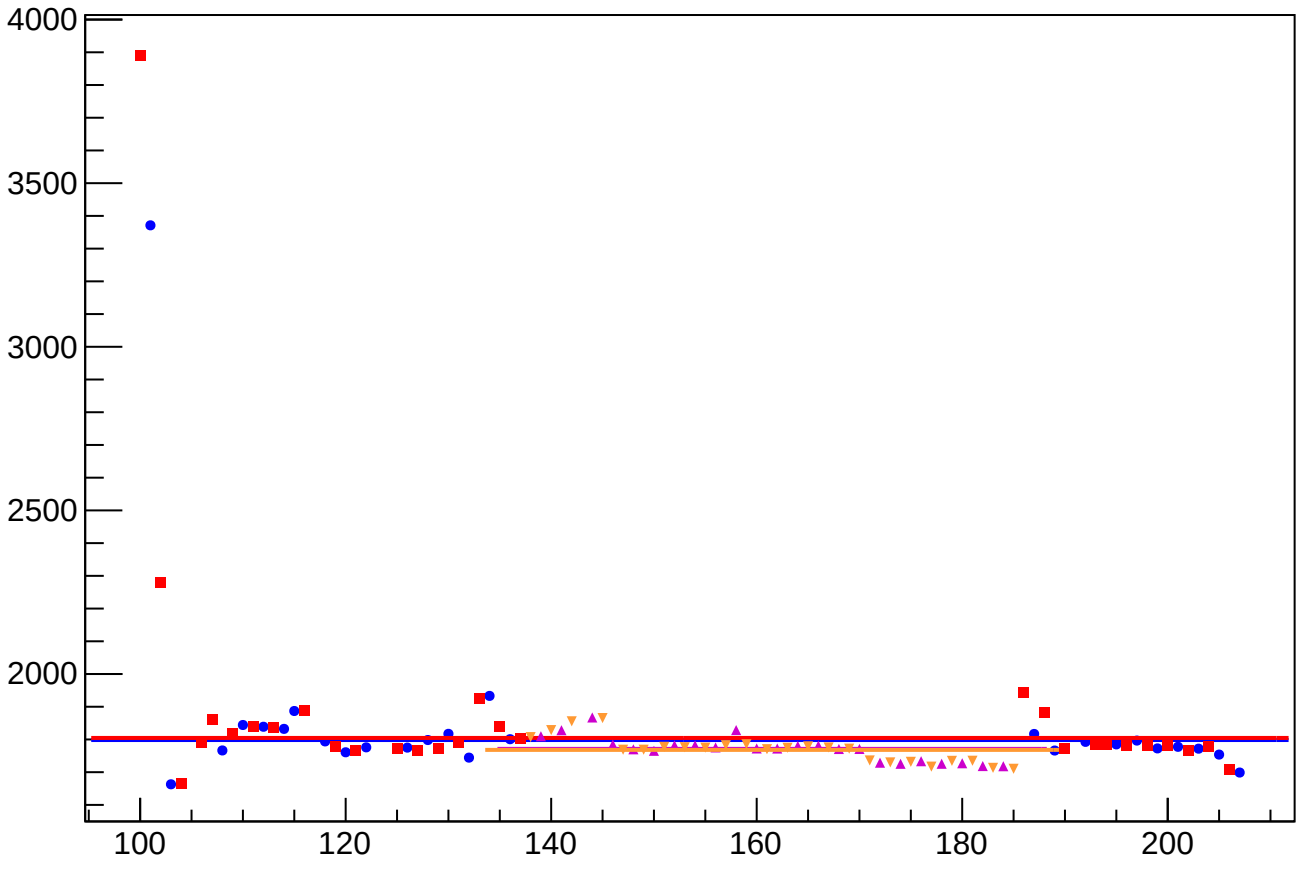
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -429.834+/-325.378 χ^2/NDF: 32.6/54

In: -625.074+/-309.697 χ^2/NDF:42.0/48

Out: -478.734+/-304.293 χ^2/NDF:43.8/52

All: -550.616+/-217.053 χ^2/NDF: 86.0/101



Right In: 1798.260+/-0.330 χ^2/NDF: 309136.5/25

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

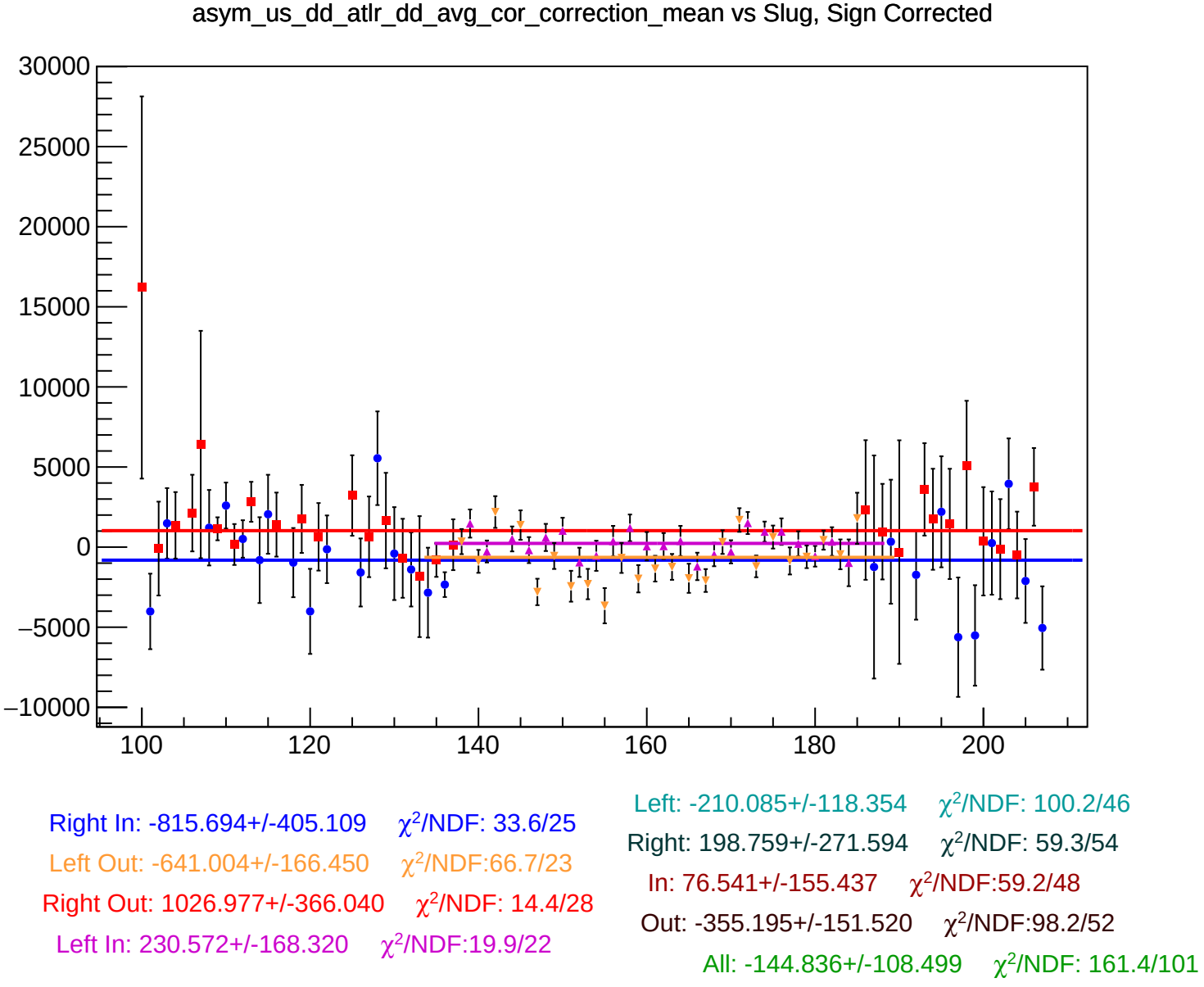
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

Right: 1801.548+/-0.230 χ^2/NDF: 430785.7/54

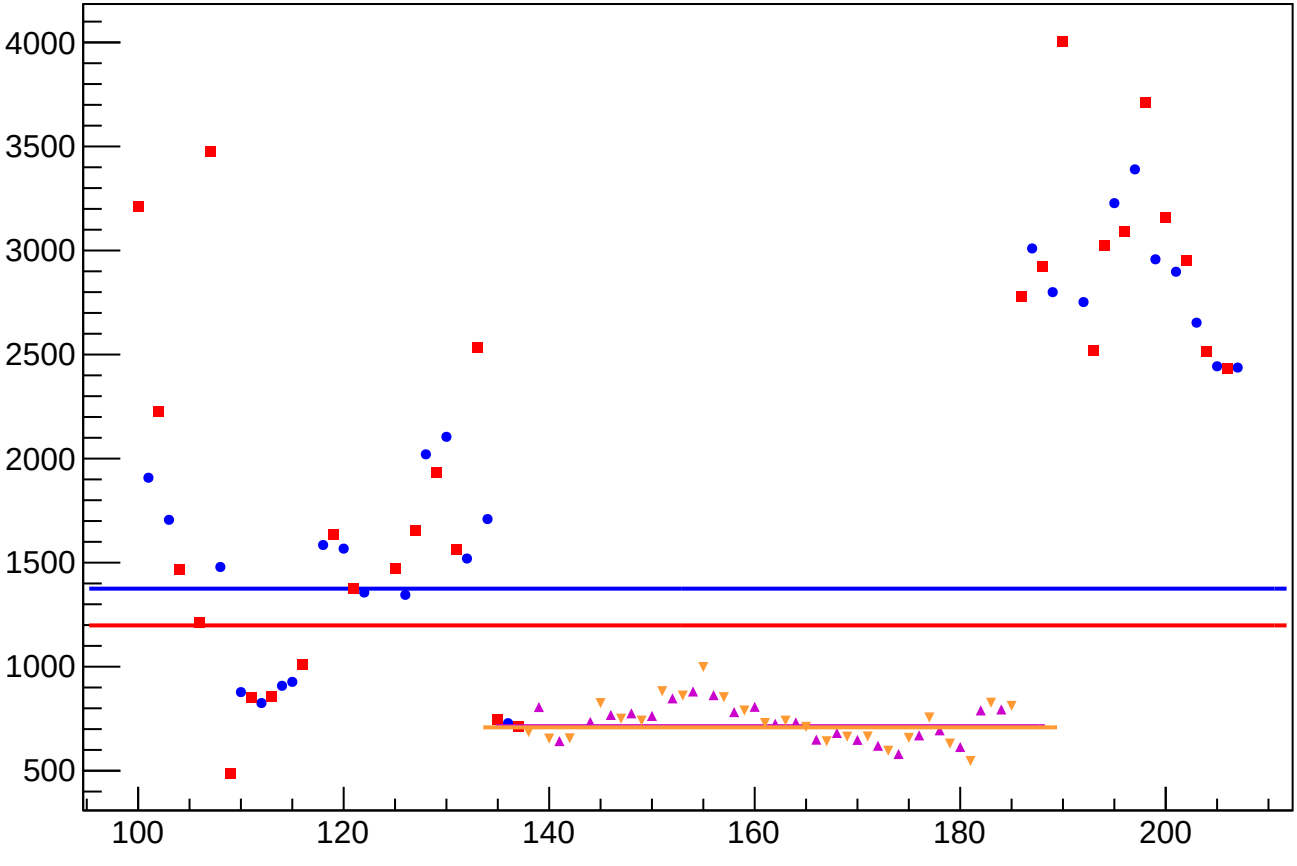
In: 1783.100+/-0.219 χ^2/NDF:329318.4/48

Out: 1784.573+/-0.215 χ^2/NDF:144946.0/52

All: 1783.850+/-0.153 χ^2/NDF: 474287.4/101


asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -815.694+/-405.109 χ²/NDF: 33.6/25
Left Out: -641.004+/-166.450 χ²/NDF:66.7/23
Right Out: 1026.977+/-366.040 χ²/NDF: 14.4/28
Left In: 230.572+/-168.320 χ²/NDF:19.9/22
Left: -210.085+/-118.354 χ²/NDF: 100.2/46
Right: 198.759+/-271.594 χ²/NDF: 59.3/54
In: 76.541+/-155.437 χ²/NDF:59.2/48
Out: -355.195+/-151.520 χ²/NDF:98.2/52
All: -144.836+/-108.499 χ²/NDF: 161.4/101

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1375.008+/-0.286 χ^2/NDF: 6695307.6/25

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

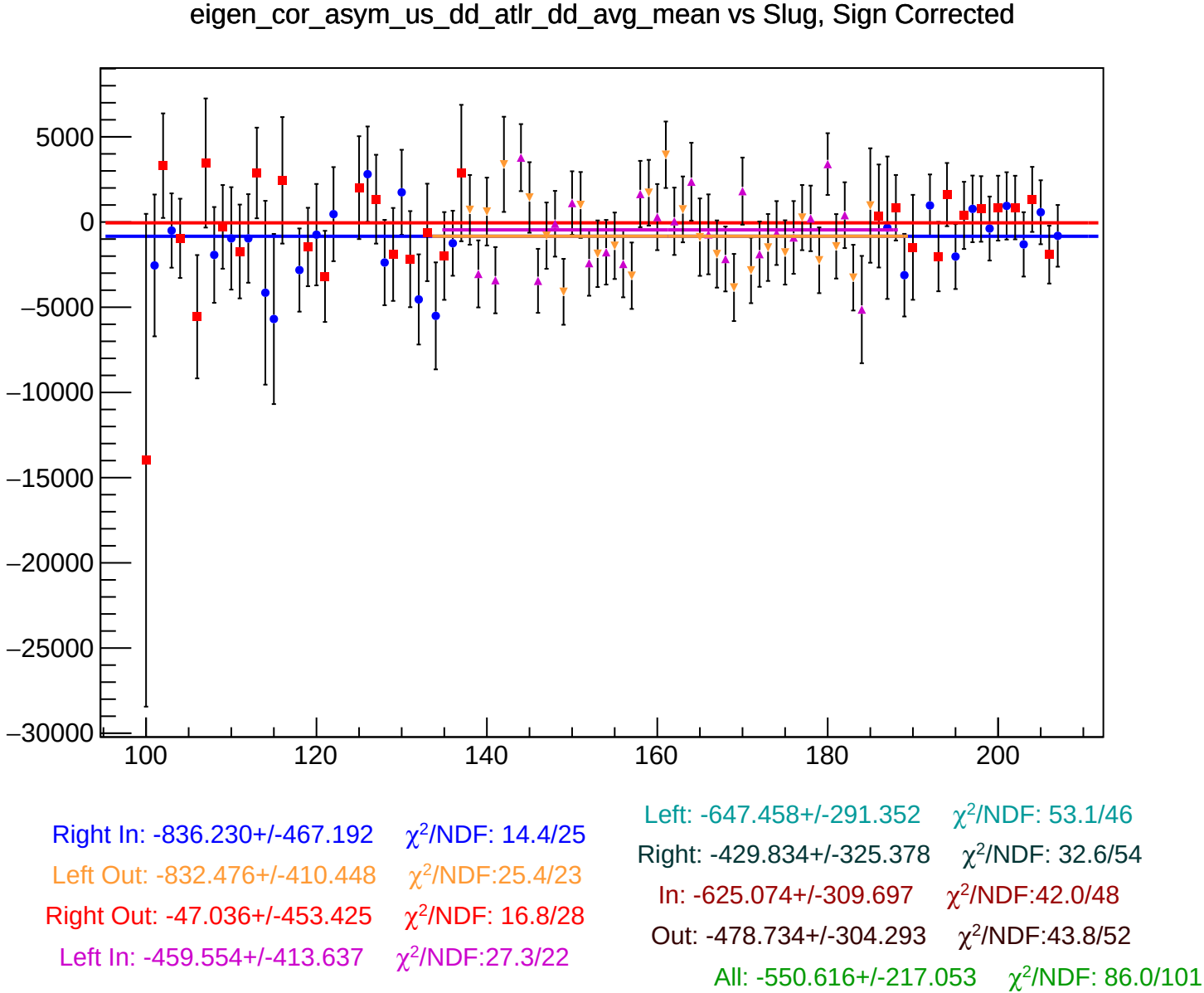
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

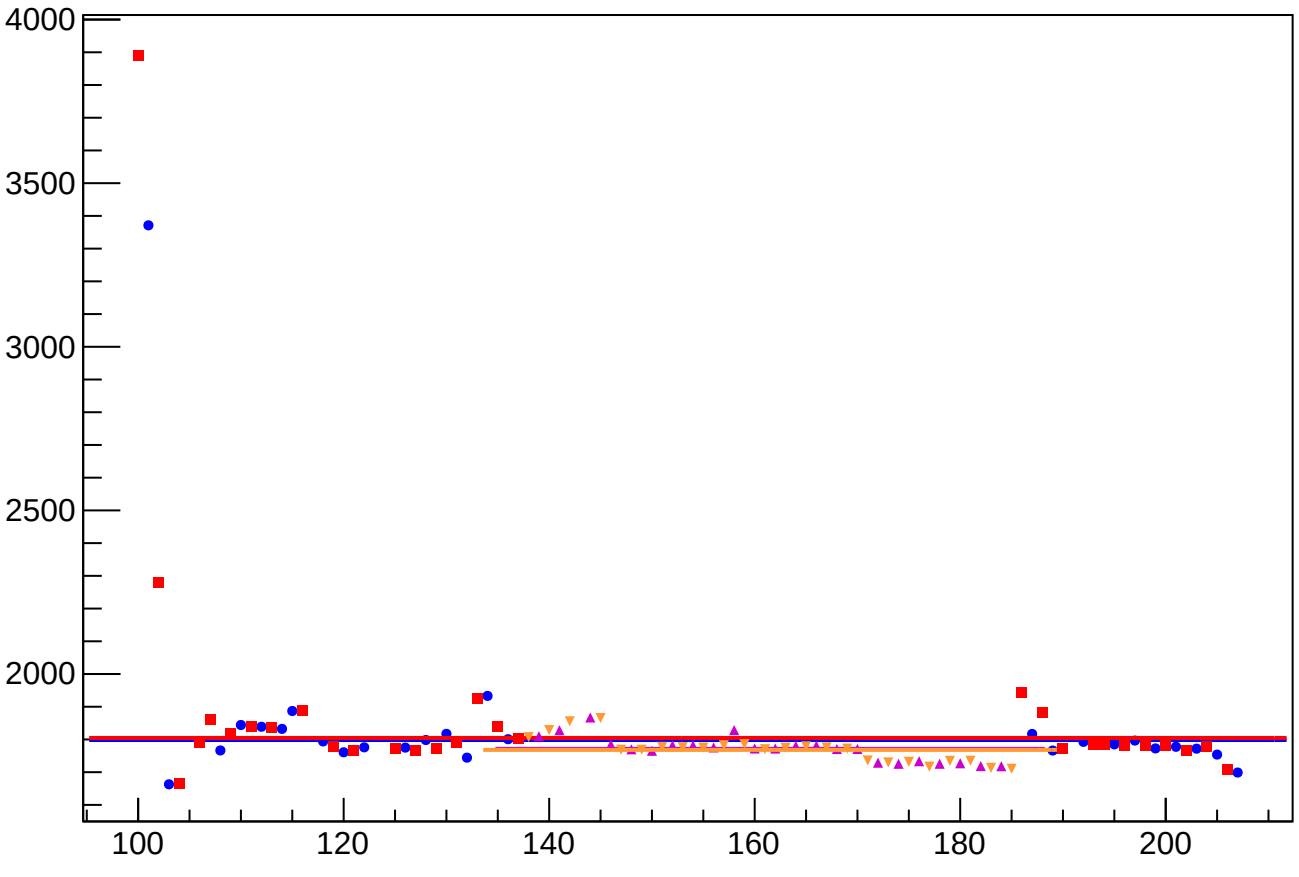
Right: 1277.786+/-0.192 χ^2/NDF: 16903453.3/54

In: 811.457+/-0.110 χ^2/NDF:11731104.2/48

Out: 792.453+/-0.107 χ^2/NDF:13668049.9/52

All: 801.713+/-0.077 χ^2/NDF: 25414483.0/10


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: -836.230+/-467.192 χ²/NDF: 14.4/25
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: -429.834+/-325.378 χ²/NDF: 32.6/54
In: -625.074+/-309.697 χ²/NDF:42.0/48
Out: -478.734+/-304.293 χ²/NDF:43.8/52
All: -550.616+/-217.053 χ²/NDF: 86.0/101



Right In: 1798.260+/-0.330 χ^2/NDF: 309136.5/25

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

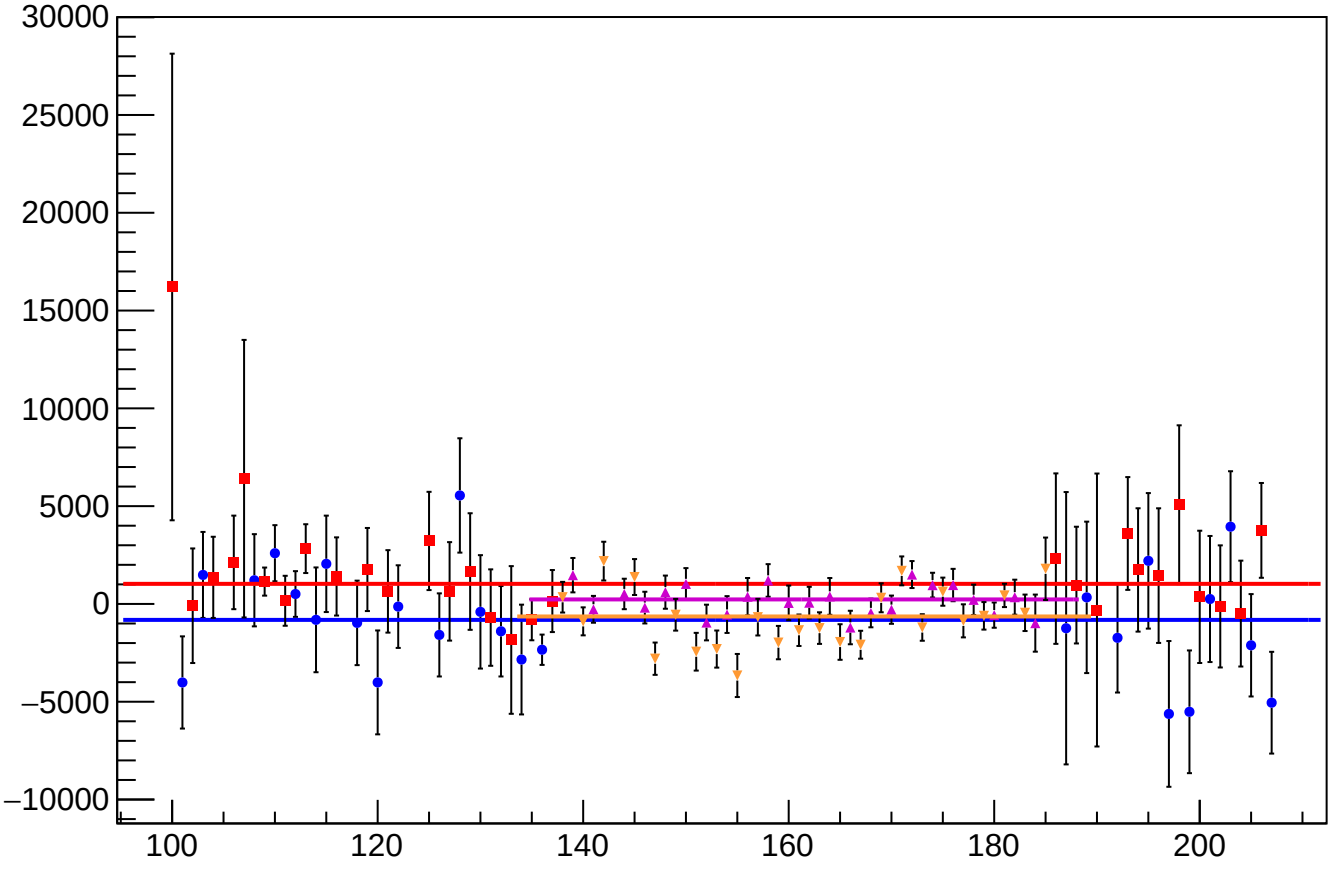
Right: 1801.548+/-0.230 χ^2/NDF: 430785.7/54

In: 1783.100+/-0.219 χ^2/NDF:329318.4/48

Out: 1784.573+/-0.215 χ^2/NDF:144946.0/52

All: 1783.850+/-0.153 χ^2/NDF: 474287.4/101

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -815.694+/-405.109 χ^2/NDF: 33.6/25

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

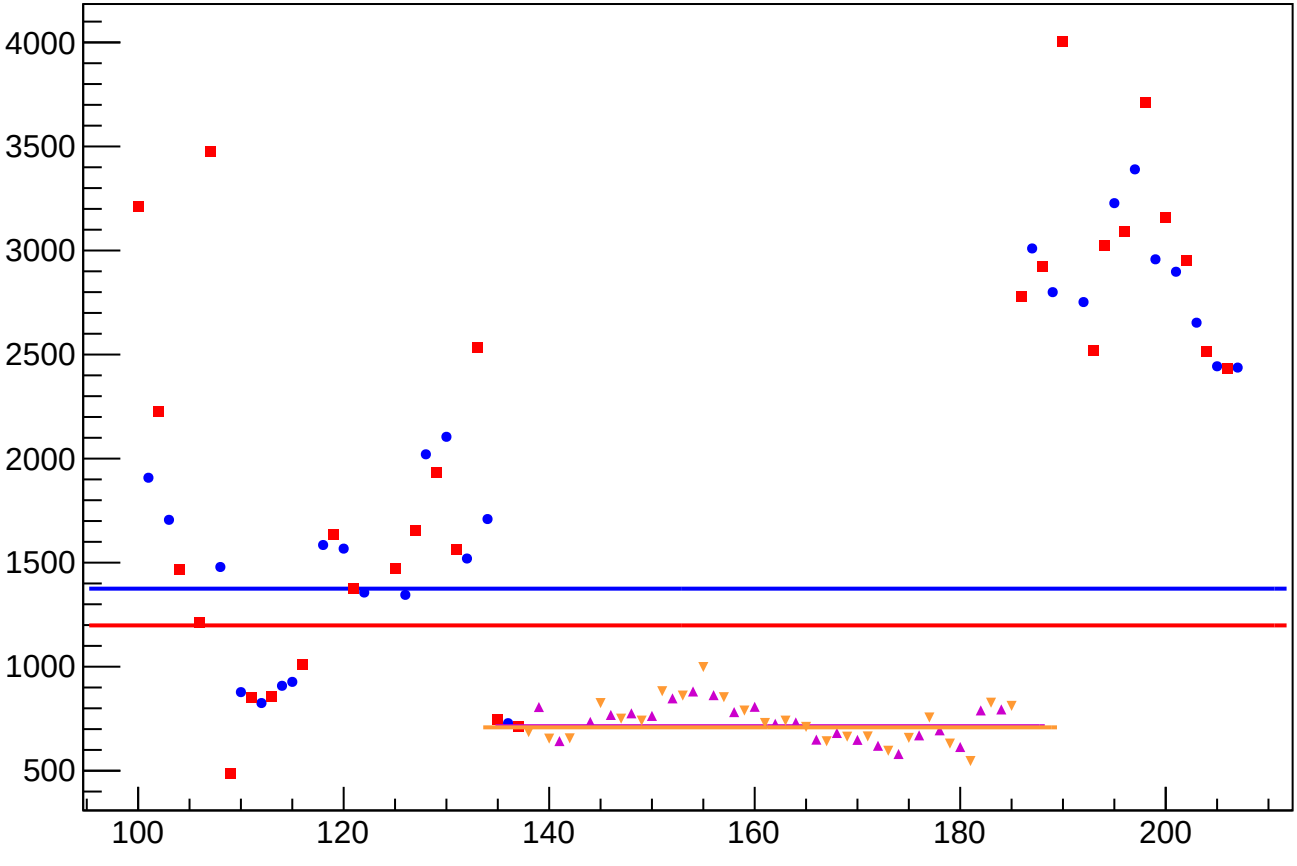
Right: 198.759+/-271.594 χ^2/NDF: 59.3/54

In: 76.541+/-155.437 χ^2/NDF:59.2/48

Out: -355.195+/-151.520 χ^2/NDF:98.2/52

All: -144.836+/-108.499 χ^2/NDF: 161.4/101

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1375.008+/-0.286 χ^2/NDF: 6695307.6/25

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

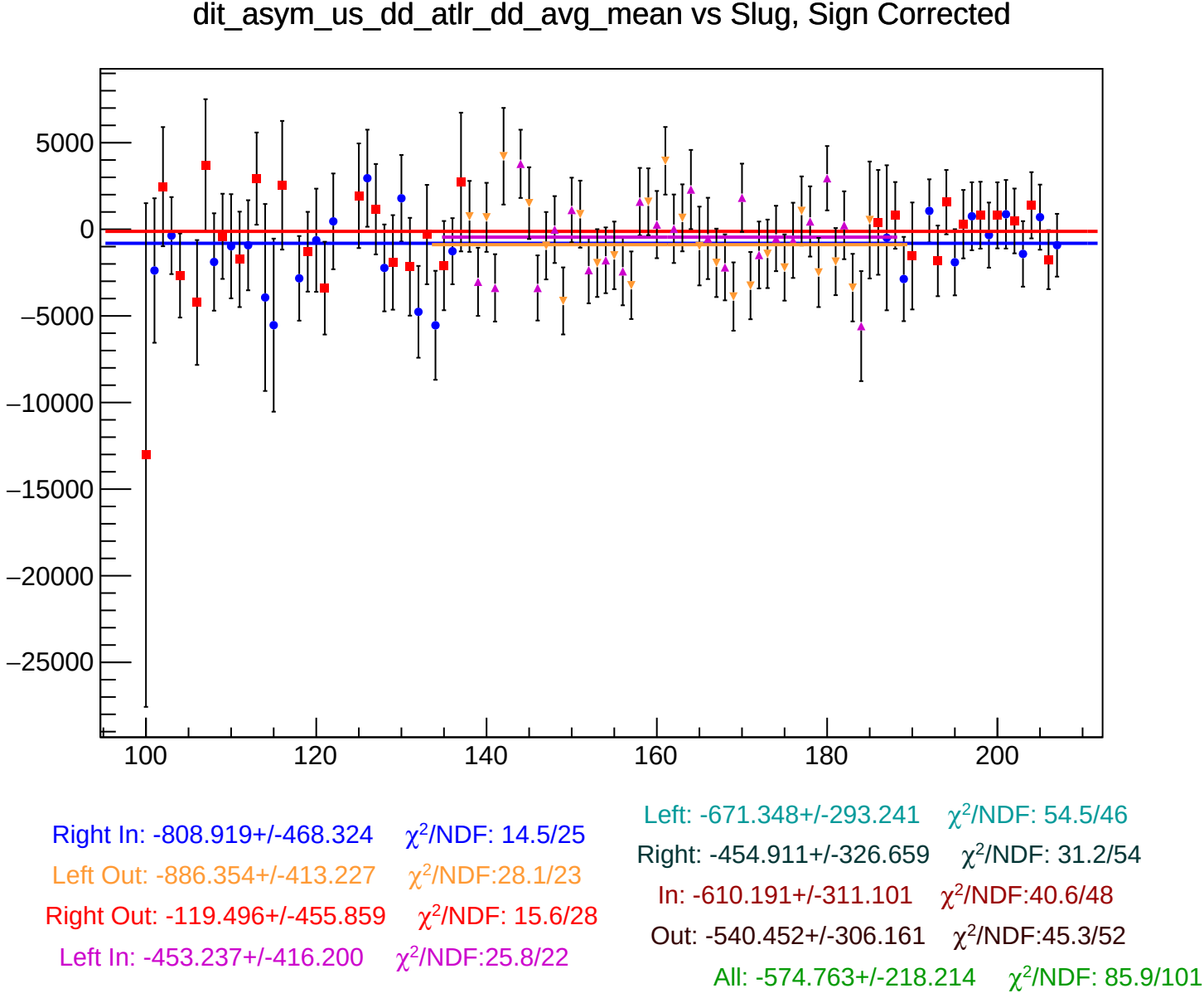
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

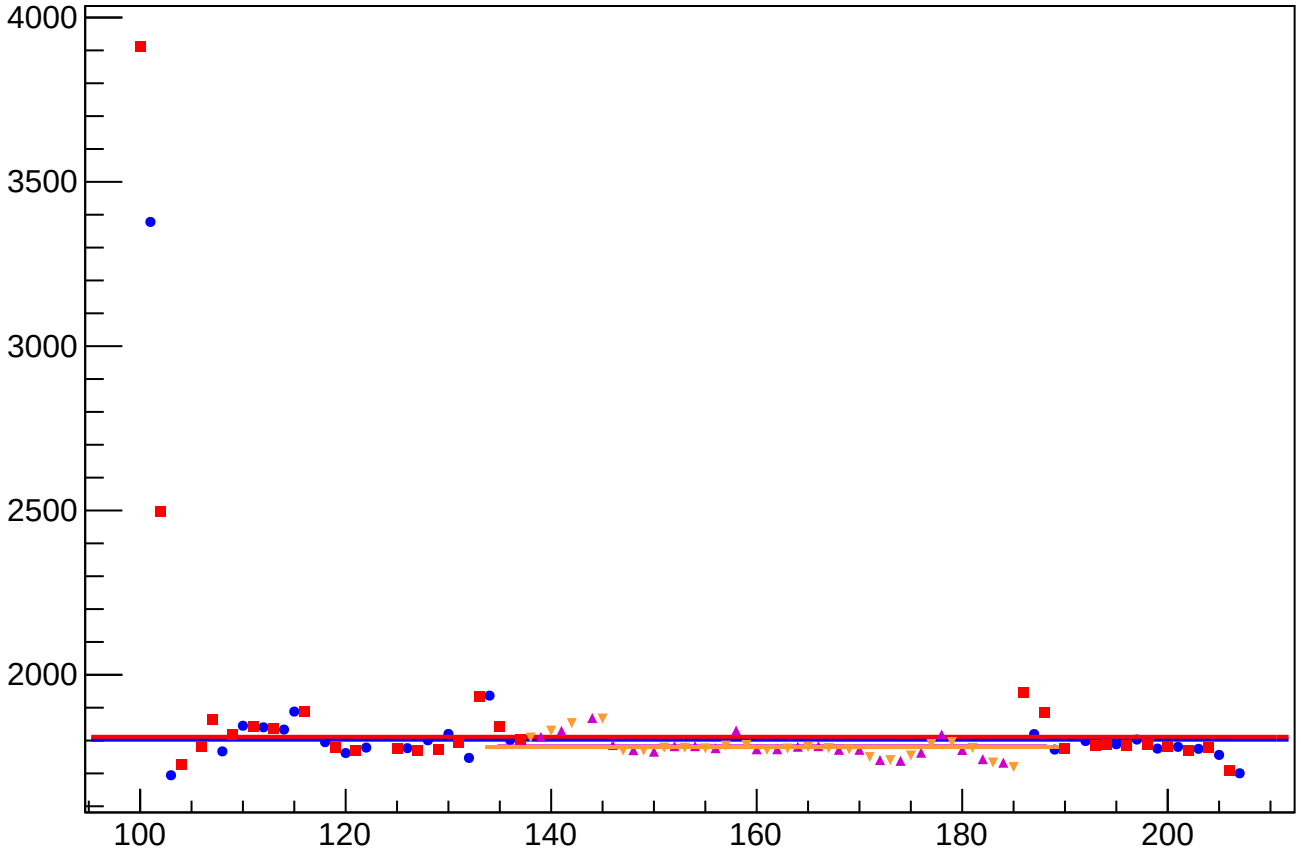
Right: 1277.786+/-0.192 χ^2/NDF: 16903453.3/54

In: 811.457+/-0.110 χ^2/NDF:11731104.2/48

Out: 792.453+/-0.107 χ^2/NDF:13668049.9/52

All: 801.713+/-0.077 χ^2/NDF: 25414483.0/10


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: -808.919+/-468.324 χ²/NDF: 14.5/25
Left Out: -886.354+/-413.227 χ²/NDF:28.1/23
Right Out: -119.496+/-455.859 χ²/NDF: 15.6/28
Left In: -453.237+/-416.200 χ²/NDF:25.8/22
Left: -671.348+/-293.241 χ²/NDF: 54.5/46
Right: -454.911+/-326.659 χ²/NDF: 31.2/54
In: -610.191+/-311.101 χ²/NDF:40.6/48
Out: -540.452+/-306.161 χ²/NDF:45.3/52
All: -574.763+/-218.214 χ²/NDF: 85.9/101



Right In: 1802.653+/-0.331 χ^2/NDF: 306394.2/25

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

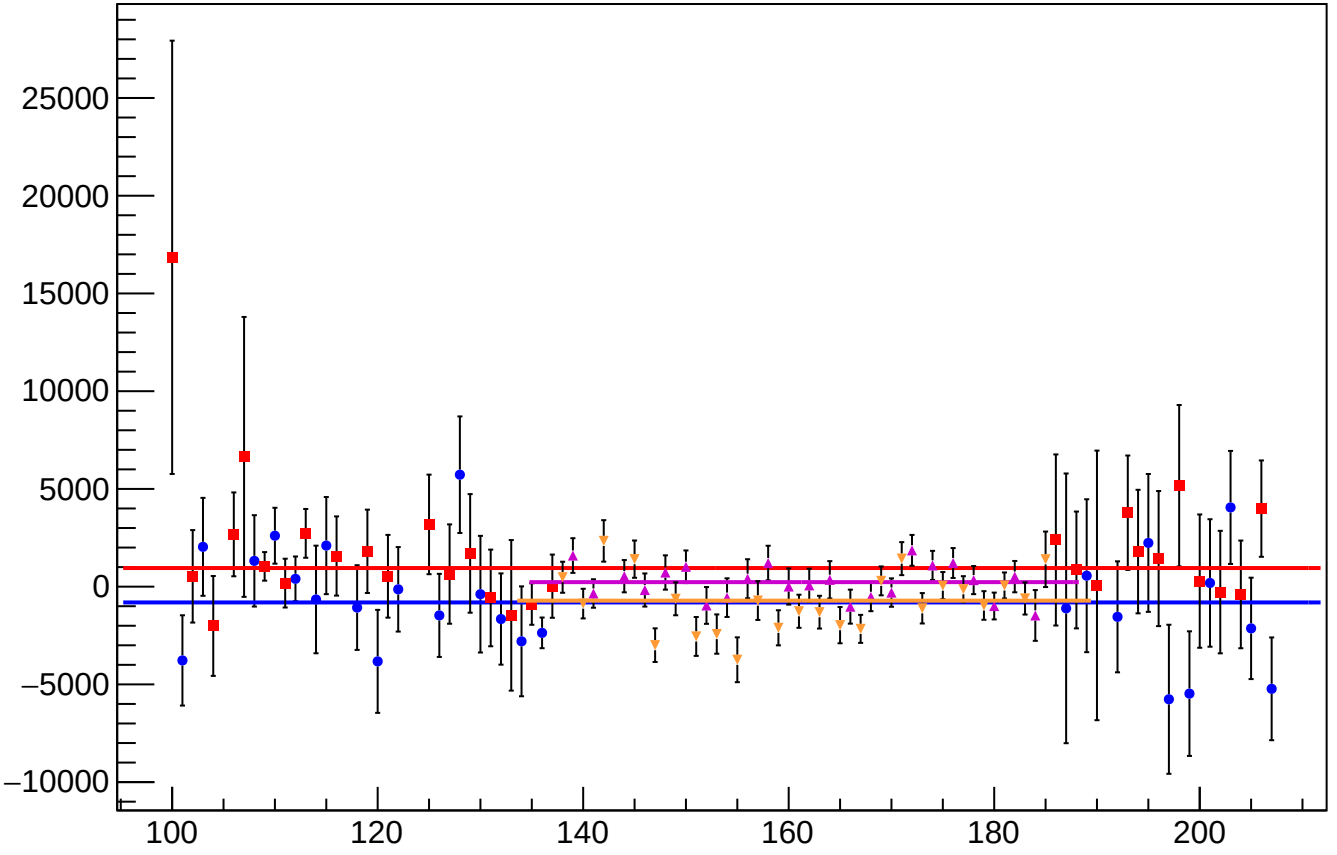
Right: 1807.182+/-0.231 χ^2/NDF: 455829.2/54

In: 1791.280+/-0.220 χ^2/NDF:319737.2/48

Out: 1794.317+/-0.216 χ^2/NDF:164611.0/52

All: 1792.823+/-0.154 χ^2/NDF: 484445.1/101

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -807.686+/-408.437 χ^2/NDF: 33.6/25

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

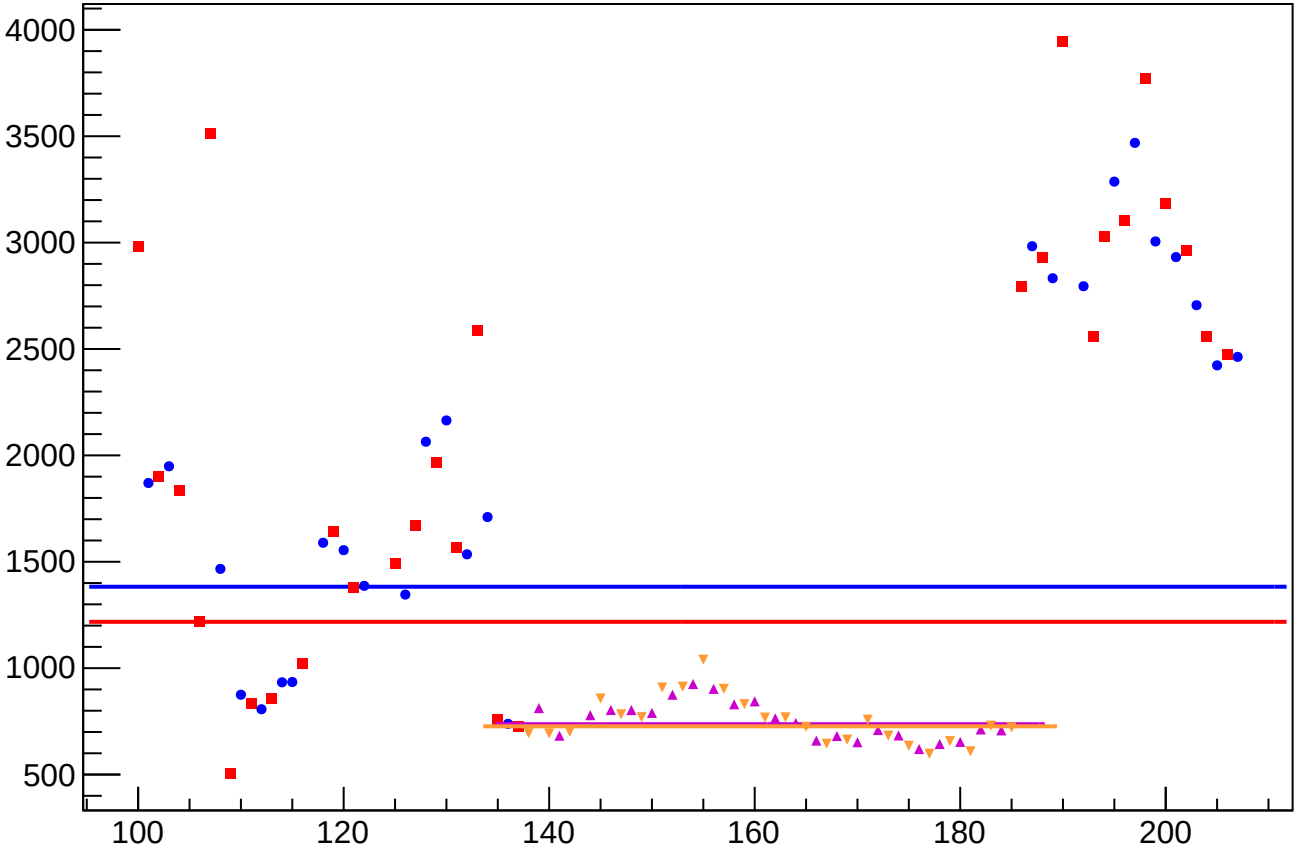
Right: 162.690+/-273.567 χ^2/NDF: 60.4/54

In: 72.595+/-159.639 χ^2/NDF:63.2/48

Out: -421.934+/-154.810 χ^2/NDF:92.8/52

All: -182.264+/-111.135 χ^2/NDF: 160.9/101

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1382.711+/-0.289 χ^2/NDF: 6831938.1/25

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

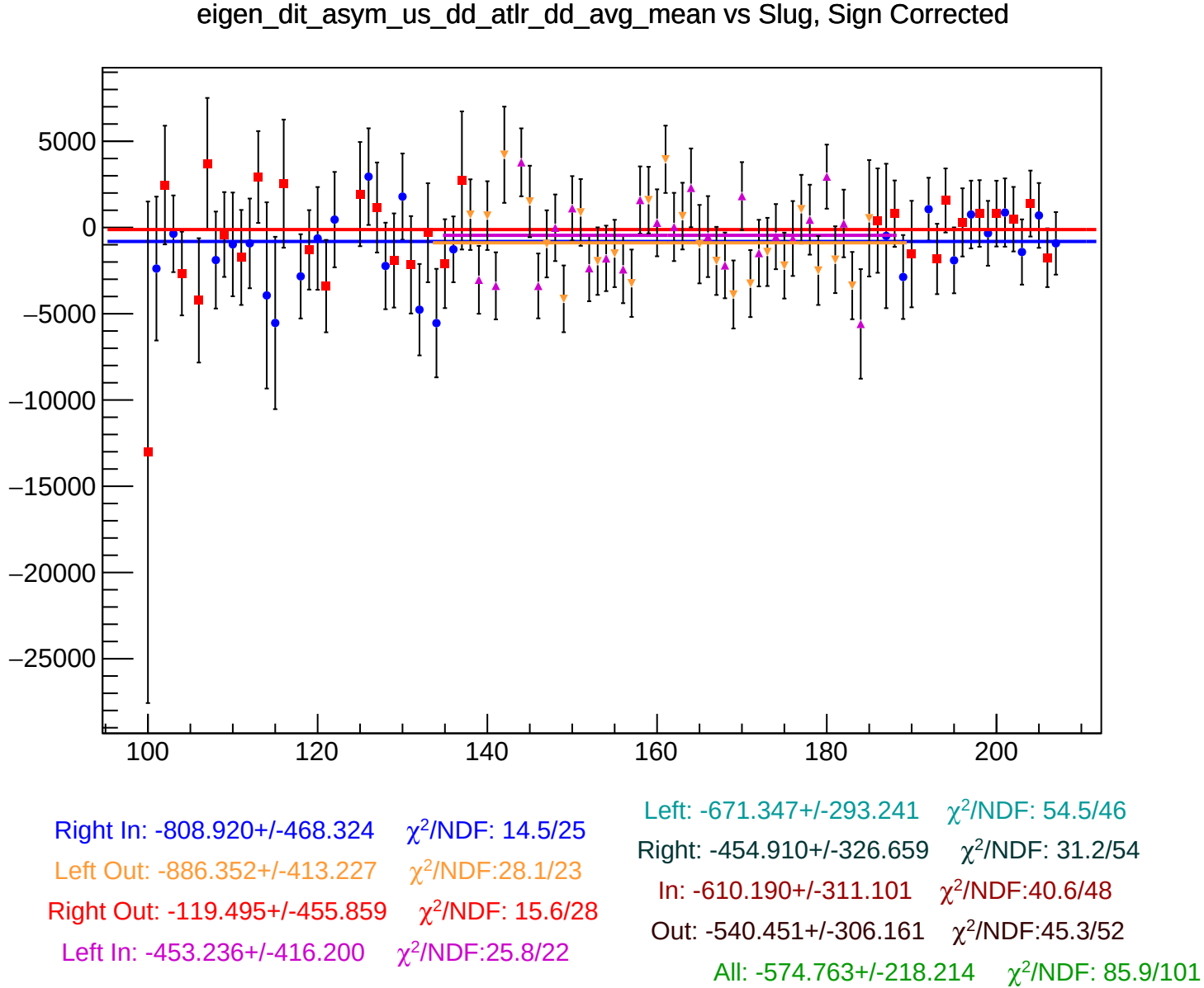
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

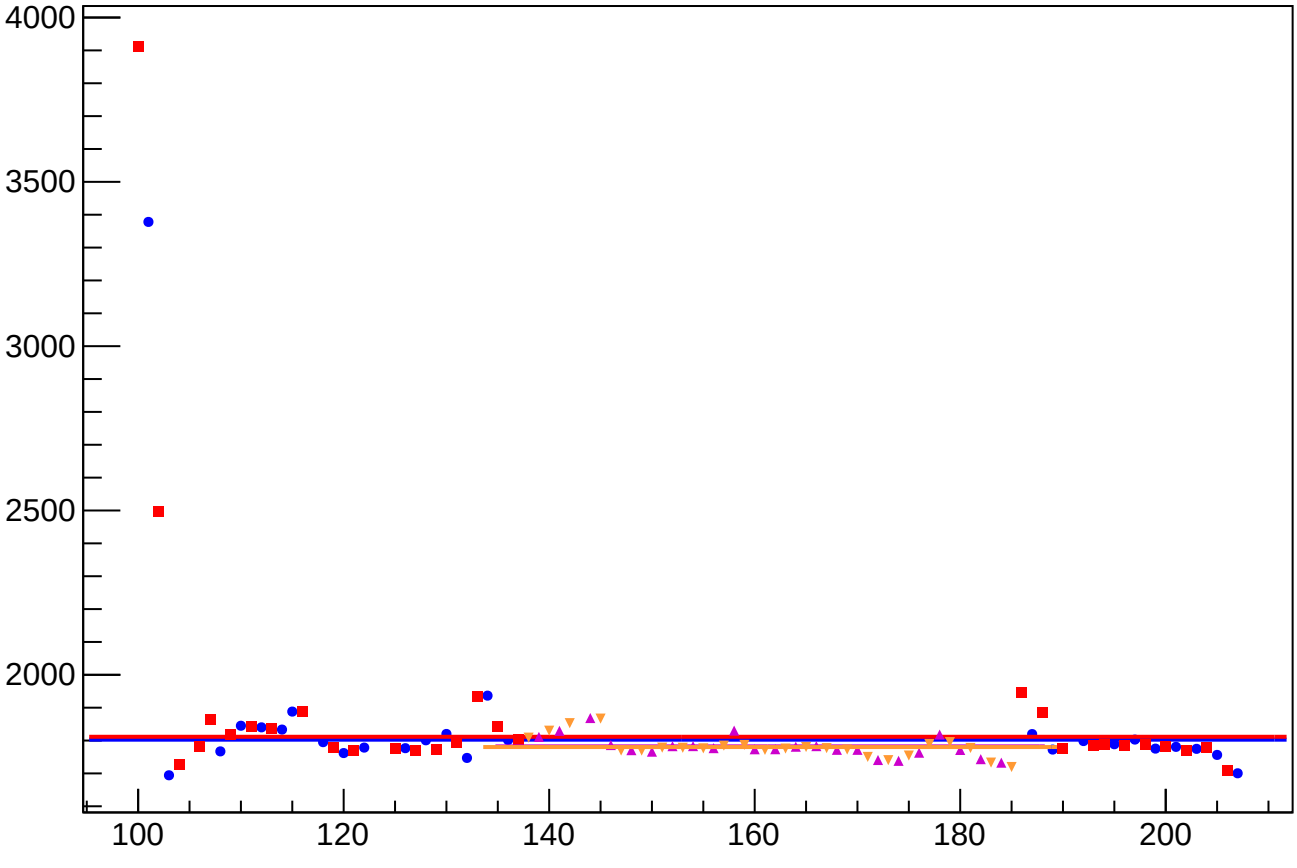
Right: 1291.777+/-0.193 χ^2/NDF: 16928995.3/54

In: 835.397+/-0.113 χ^2/NDF:11535838.5/48

Out: 813.334+/-0.109 χ^2/NDF:13529391.1/52

All: 824.027+/-0.079 χ^2/NDF: 25084916.4/10


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: -808.920+/-468.324 χ²/NDF: 14.5/25
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: -454.910+/-326.659 χ²/NDF: 31.2/54
In: -610.190+/-311.101 χ²/NDF:40.6/48
Out: -540.451+/-306.161 χ²/NDF:45.3/52
All: -574.763+/-218.214 χ²/NDF: 85.9/101



Right In: 1802.653+/-0.331 χ^2/NDF: 306394.2/25

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

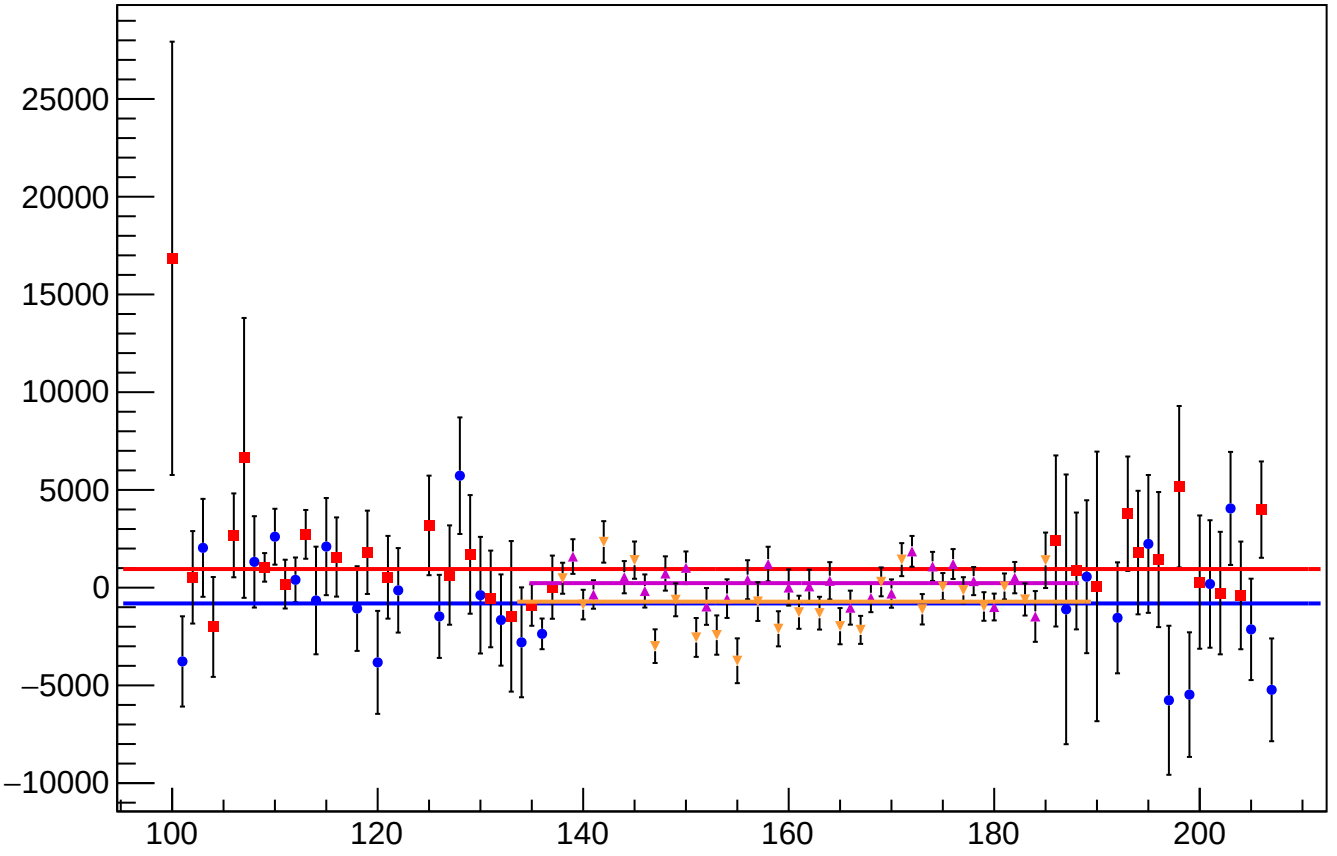
Right: 1807.182+/-0.231 χ^2/NDF: 455829.2/54

In: 1791.280+/-0.220 χ^2/NDF:319737.2/48

Out: 1794.317+/-0.216 χ^2/NDF:164611.2/52

All: 1792.823+/-0.154 χ^2/NDF: 484445.2/101

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -807.675+/-408.438 χ^2/NDF: 33.6/25

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

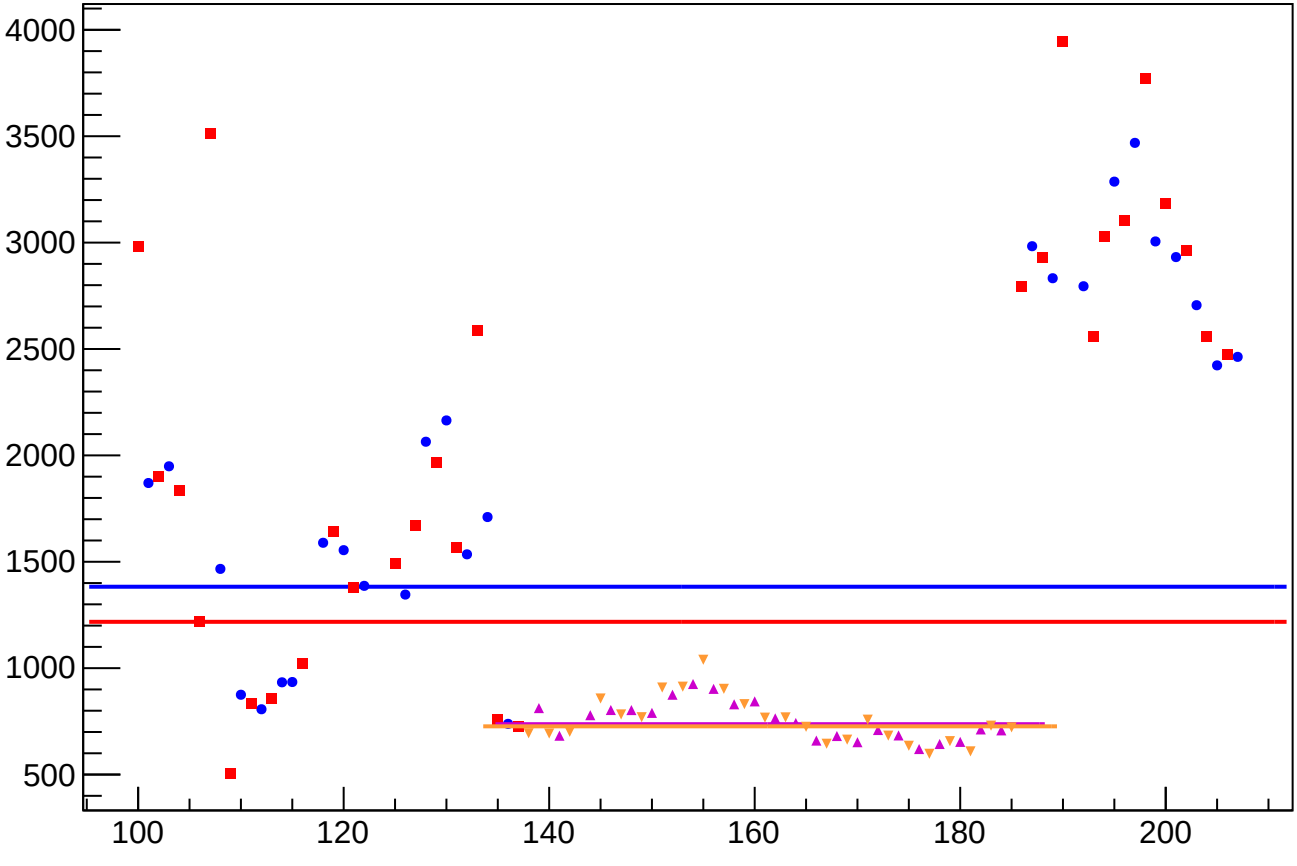
Right: 162.699+/-273.567 χ^2/NDF: 60.4/54

In: 72.595+/-159.639 χ^2/NDF:63.2/48

Out: -421.935+/-154.810 χ^2/NDF:92.8/52

All: -182.263+/-111.135 χ^2/NDF: 160.9/101

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1382.714+/-0.289 χ^2/NDF: 6831886.3/25

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

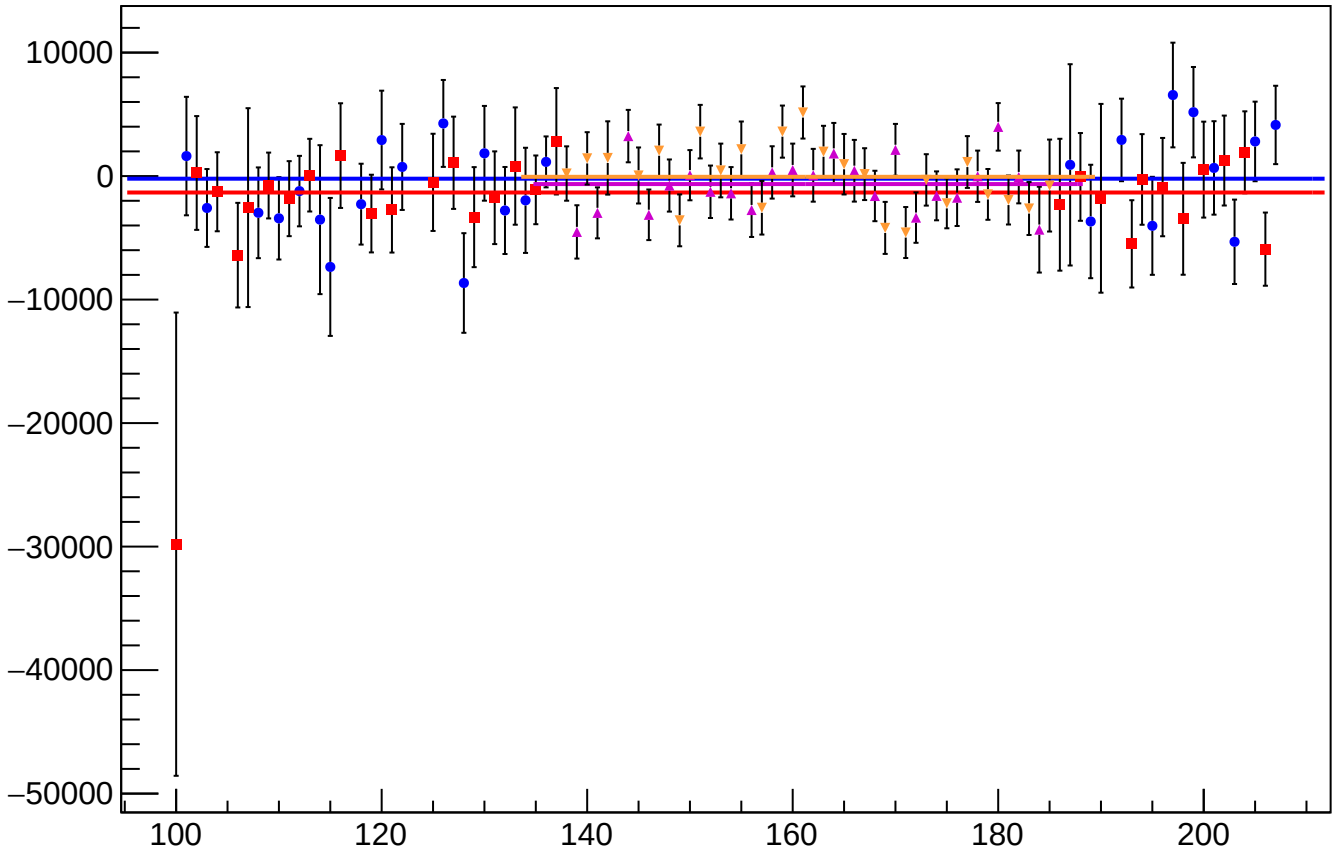
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1291.779+/-0.193 χ^2/NDF: 16928904.0/54

In: 835.397+/-0.113 χ^2/NDF:11535837.5/48

Out: 813.335+/-0.109 χ^2/NDF:13529369.4/52

All: 824.027+/-0.079 χ^2/NDF: 25084892.3/10



Right In: -211.323+/-705.935 χ^2/NDF: 24.9/25

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

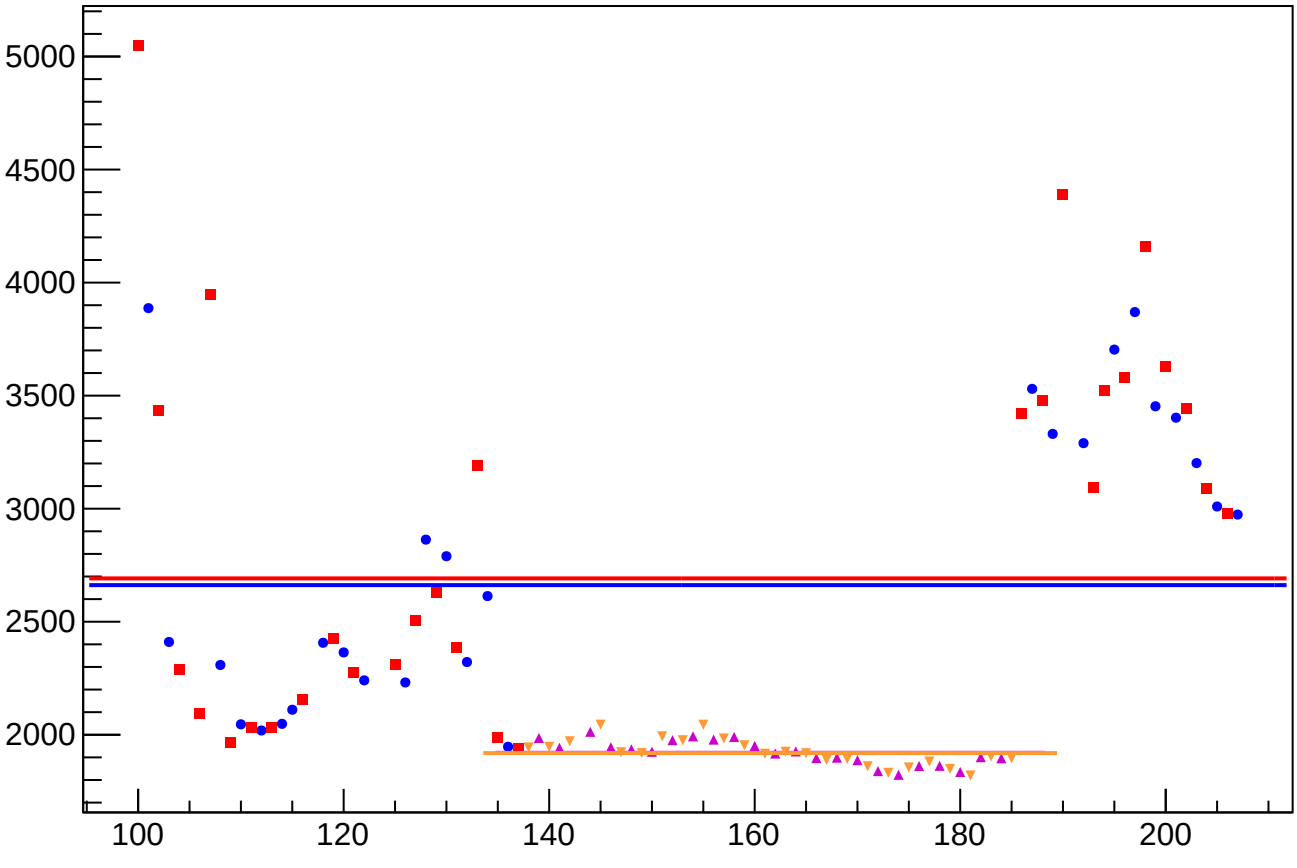
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -778.491+/-495.643 χ^2/NDF: 39.2/54

In: -521.634+/-378.583 χ^2/NDF:48.9/48

Out: -428.860+/-375.287 χ^2/NDF:48.3/52

All: -474.842+/-266.525 χ^2/NDF: 97.2/101



Right In: 2661.909+/-0.499 χ^2/NDF: 1418915.5/25

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

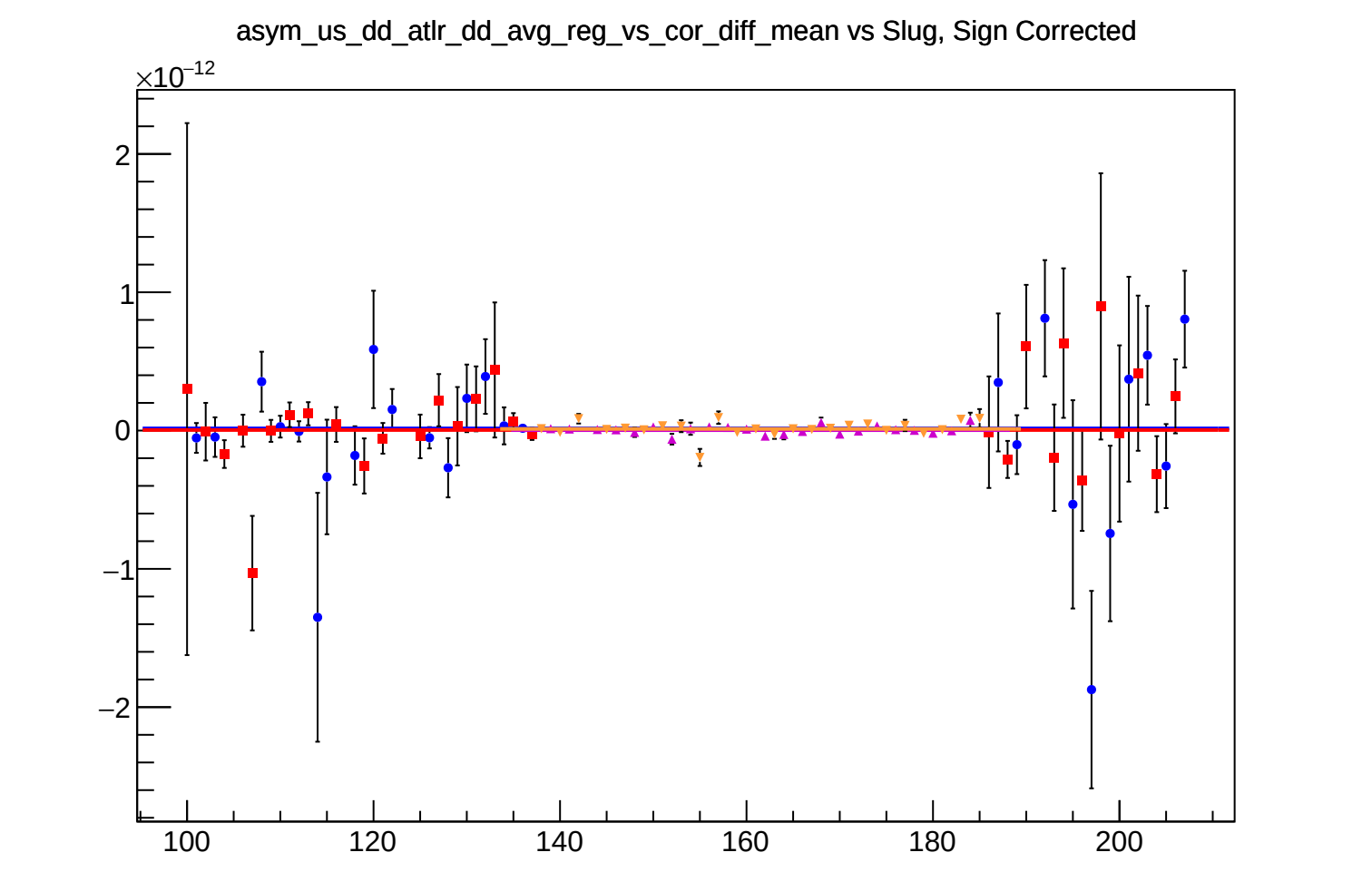
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2677.022+/-0.350 χ^2/NDF: 3214082.8/54

In: 2133.528+/-0.268 χ^2/NDF:3021631.4/48

Out: 2143.608+/-0.265 χ^2/NDF:3577339.3/52

All: 2138.612+/-0.188 χ^2/NDF: 6599685.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 36.6/25

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

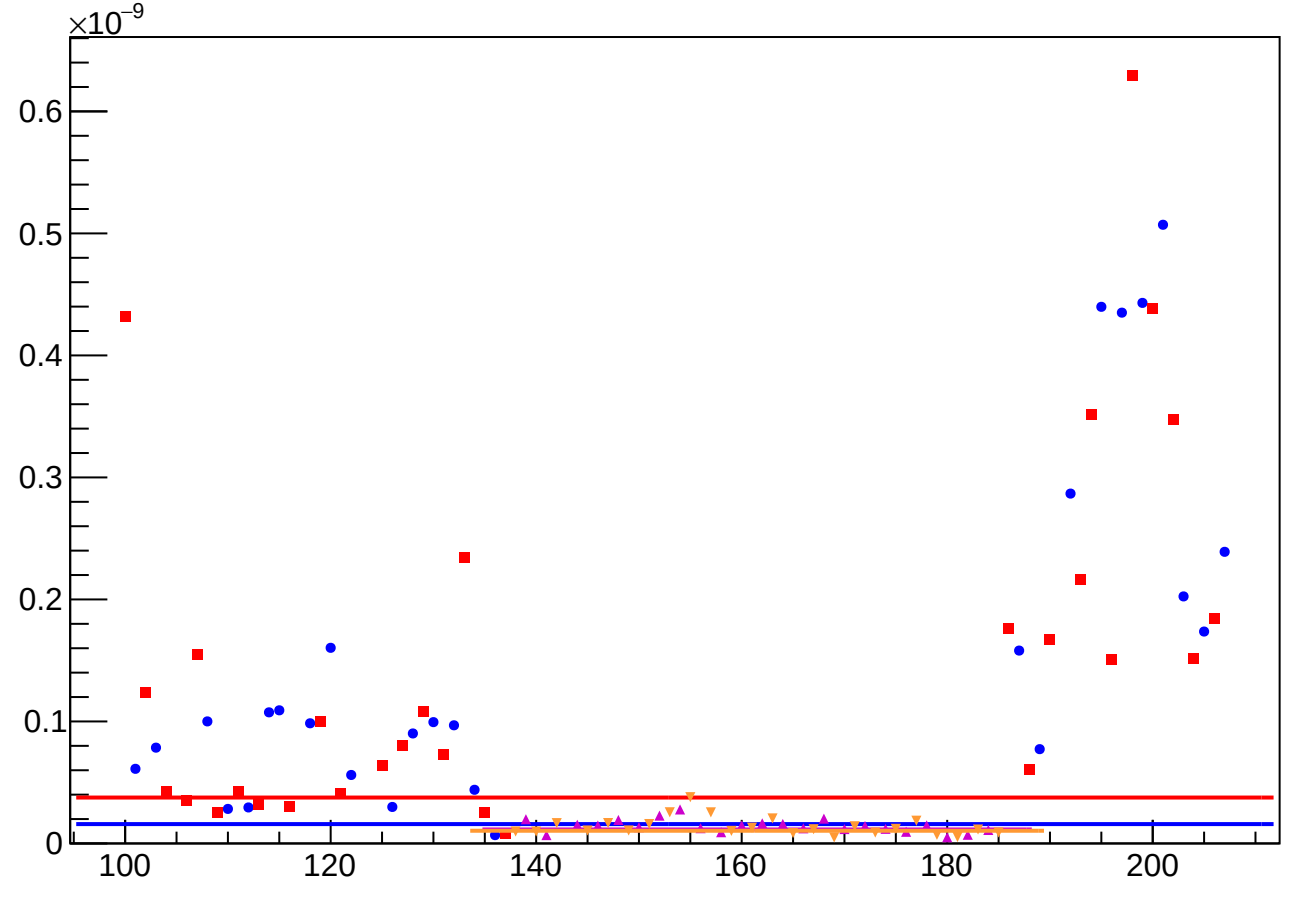
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 66.9/54

In: 0.000+/-0.000 χ^2/NDF:56.9/48

Out: 0.000+/-0.000 χ^2/NDF:68.3/52

All: 0.000+/-0.000 χ^2/NDF: 126.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 9642034.1/25

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

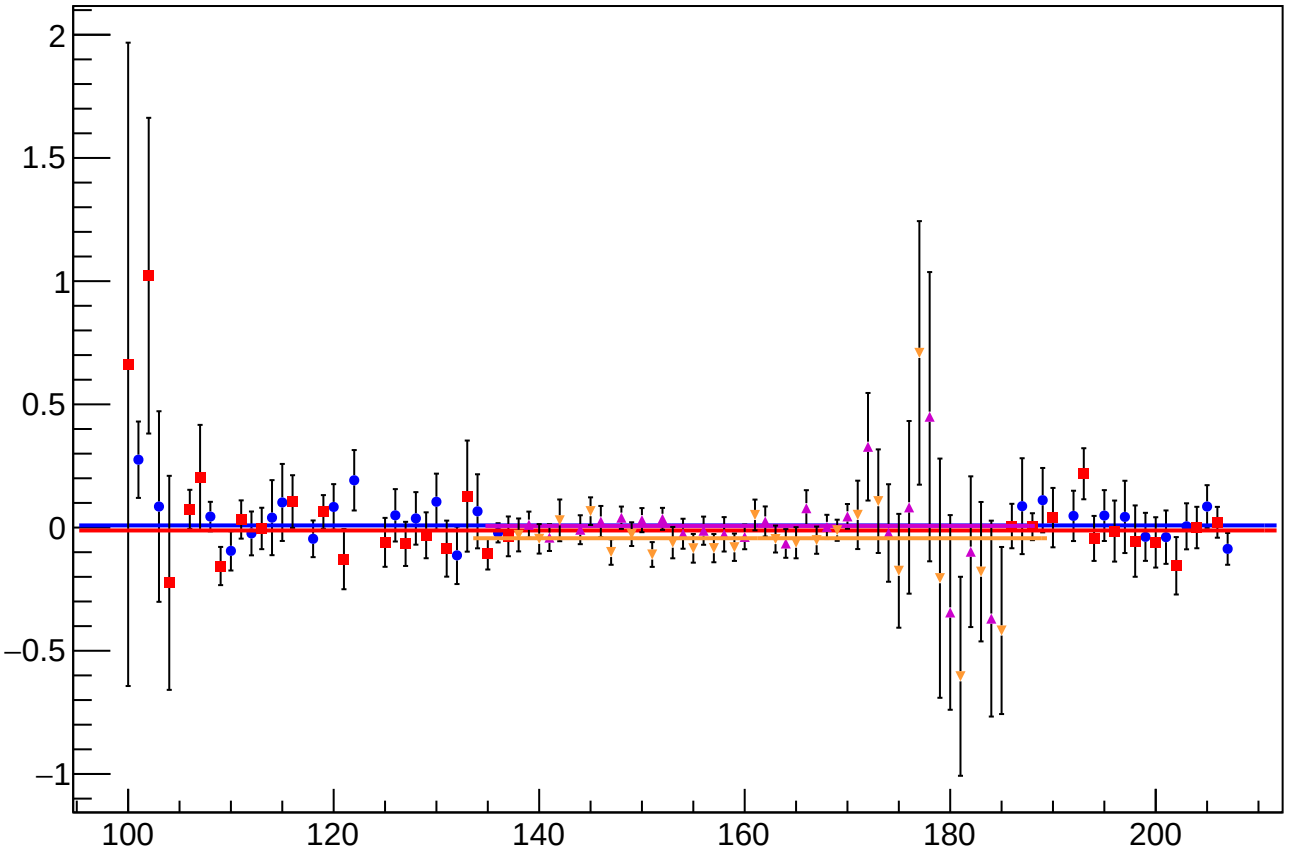
Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

Right: 0.000+/-0.000 χ^2/NDF: 18314949.4/54

In: 0.000+/-0.000 χ^2/NDF:11714603.8/48

Out: 0.000+/-0.000 χ^2/NDF:12081417.4/52

All: 0.000+/-0.000 χ^2/NDF: 23806755.8/101



Right In: 0.009+/-0.018 χ^2/NDF: 16.3/25

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

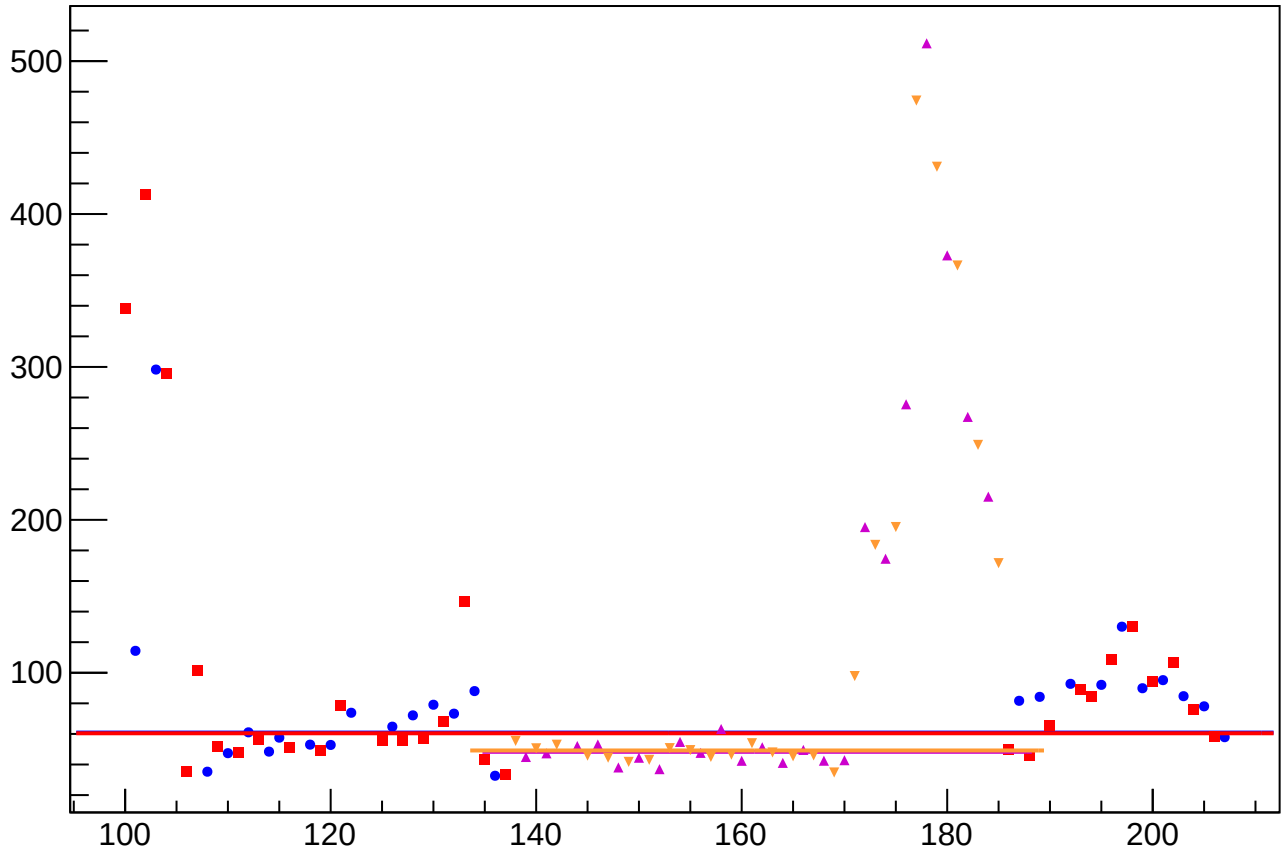
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.002+/-0.013 χ^2/NDF: 40.6/54

In: 0.007+/-0.011 χ^2/NDF:27.5/48

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.012+/-0.008 χ^2/NDF: 78.4/101



Right In: 60.879+/-0.013 χ^2/NDF: 4205285.0/25

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

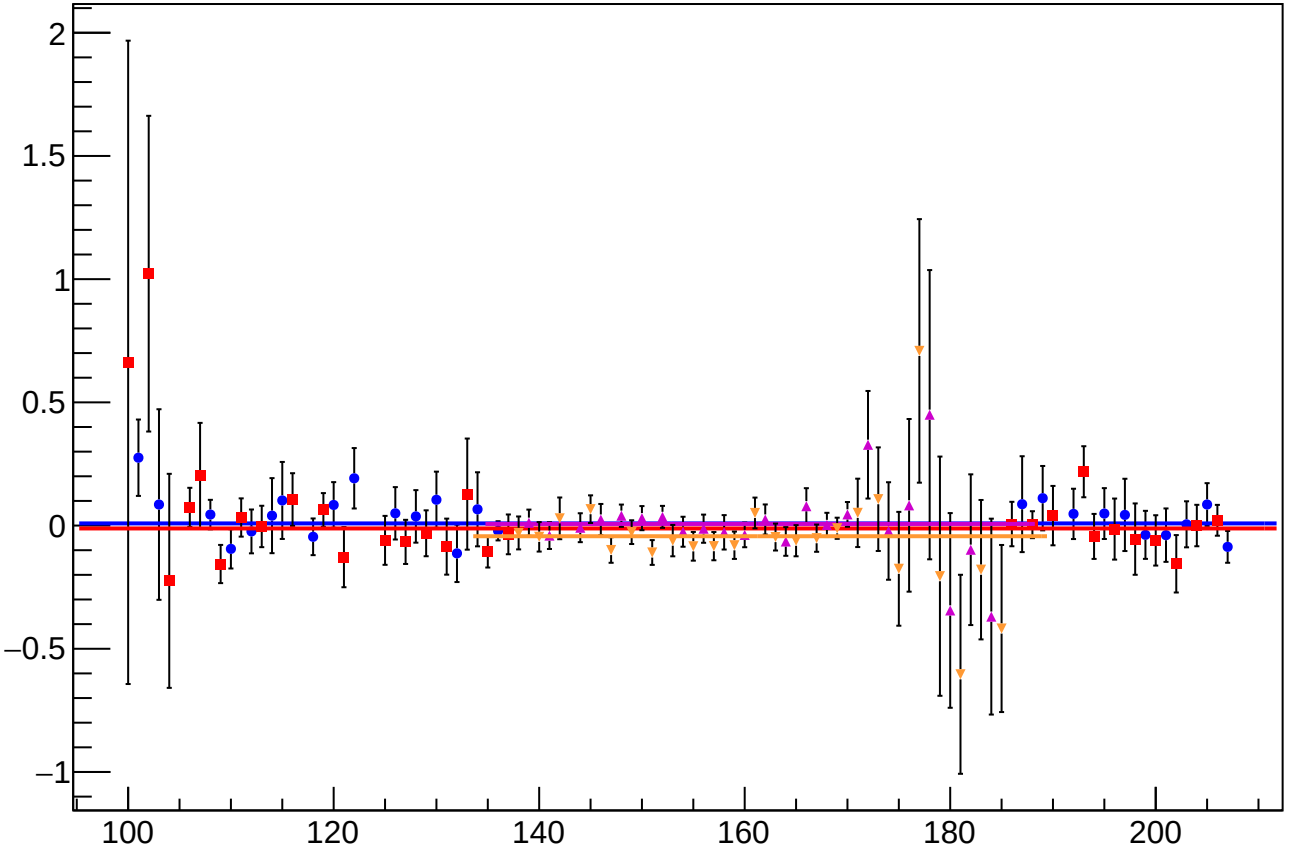
Right: 60.647+/-0.009 χ^2/NDF: 8478326.8/54

In: 52.846+/-0.008 χ^2/NDF:11870103.0/48

Out: 53.555+/-0.008 χ^2/NDF:12031465.7/52

All: 53.198+/-0.005 χ^2/NDF: 23905846.9/101

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.018 χ^2/NDF: 16.3/25

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

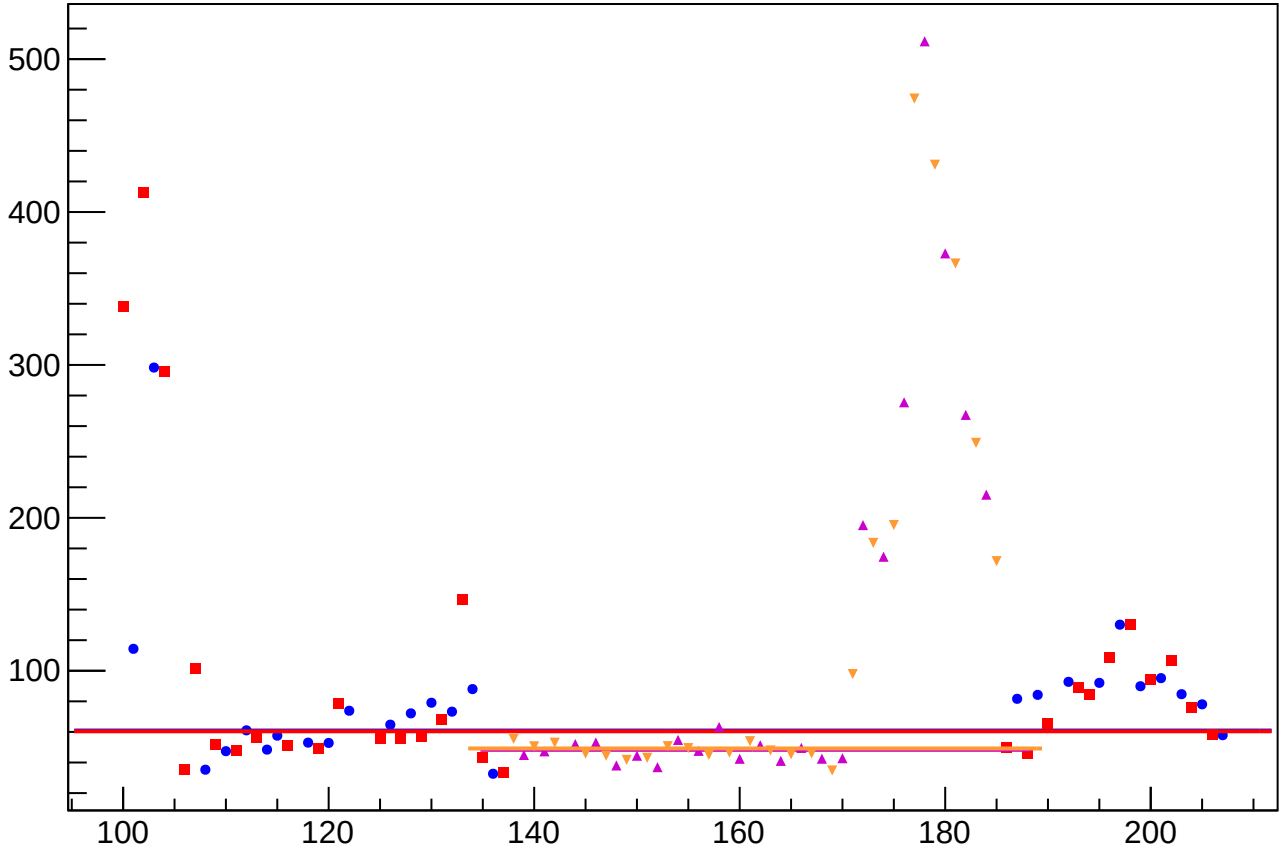
Right: -0.002+/-0.013 χ^2/NDF: 40.6/54

In: 0.007+/-0.011 χ^2/NDF:27.5/48

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.012+/-0.008 χ^2/NDF: 78.4/101

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.879+/-0.013 χ^2/NDF: 4205285.0/25

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

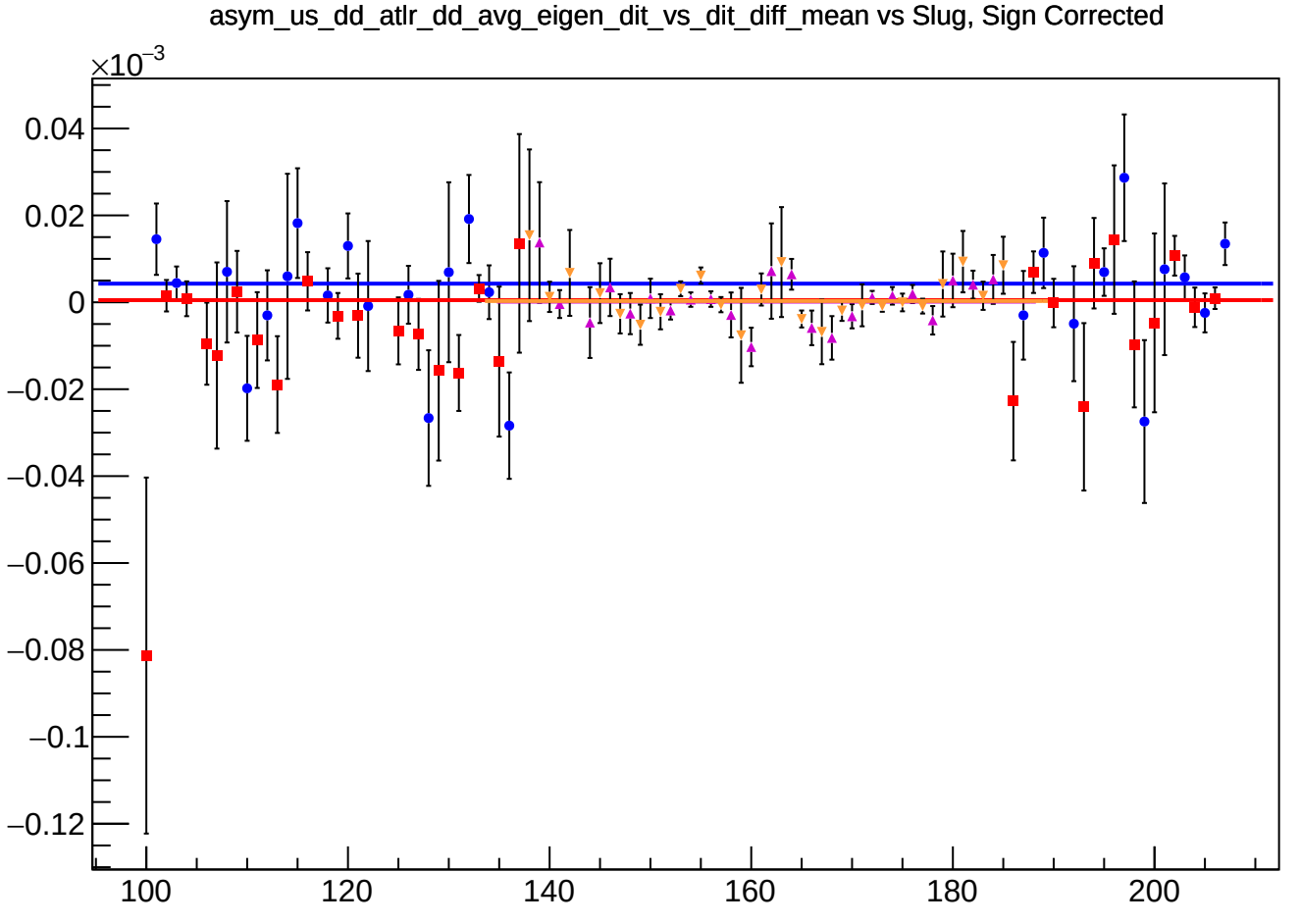
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.647+/-0.009 χ^2/NDF: 8478326.8/54

In: 52.846+/-0.008 χ^2/NDF:11870103.0/48

Out: 53.555+/-0.008 χ^2/NDF:12031465.7/52

All: 53.198+/-0.005 χ^2/NDF: 23905846.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 35.9/25

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

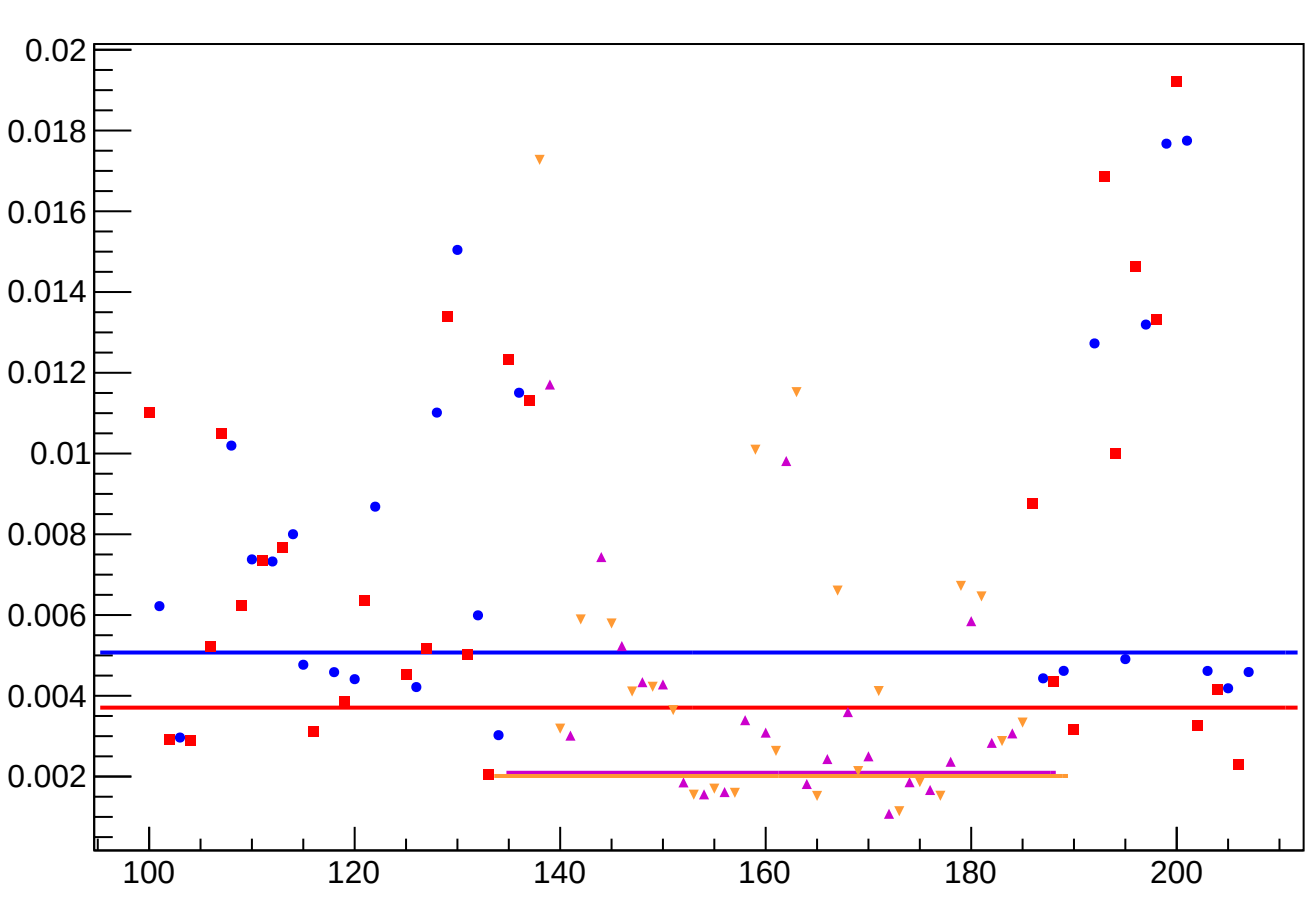
Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

Right: 0.000+/-0.000 χ^2/NDF: 71.5/54

In: 0.000+/-0.000 χ^2/NDF:67.6/48

Out: 0.000+/-0.000 χ^2/NDF:60.4/52

All: 0.000+/-0.000 χ^2/NDF: 128.3/101



Right In: 0.005+/-0.000 χ^2/NDF: 5916621.3/25

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

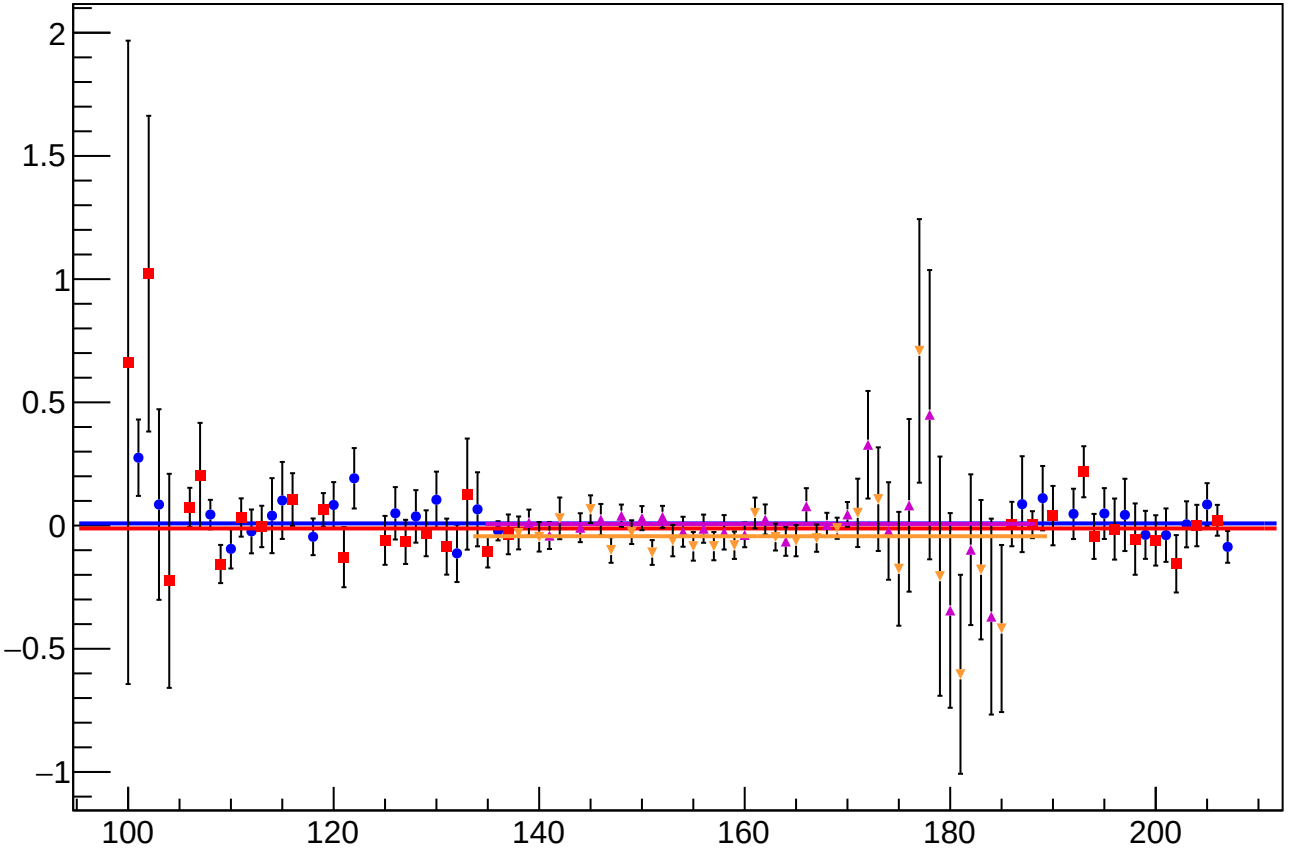
Right: 0.004+/-0.000 χ^2/NDF: 15571142.1/54

In: 0.003+/-0.000 χ^2/NDF:19723997.0/48

Out: 0.002+/-0.000 χ^2/NDF:22418605.0/52

All: 0.002+/-0.000 χ^2/NDF: 42228970.7/101

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.018 χ^2/NDF: 16.3/25

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

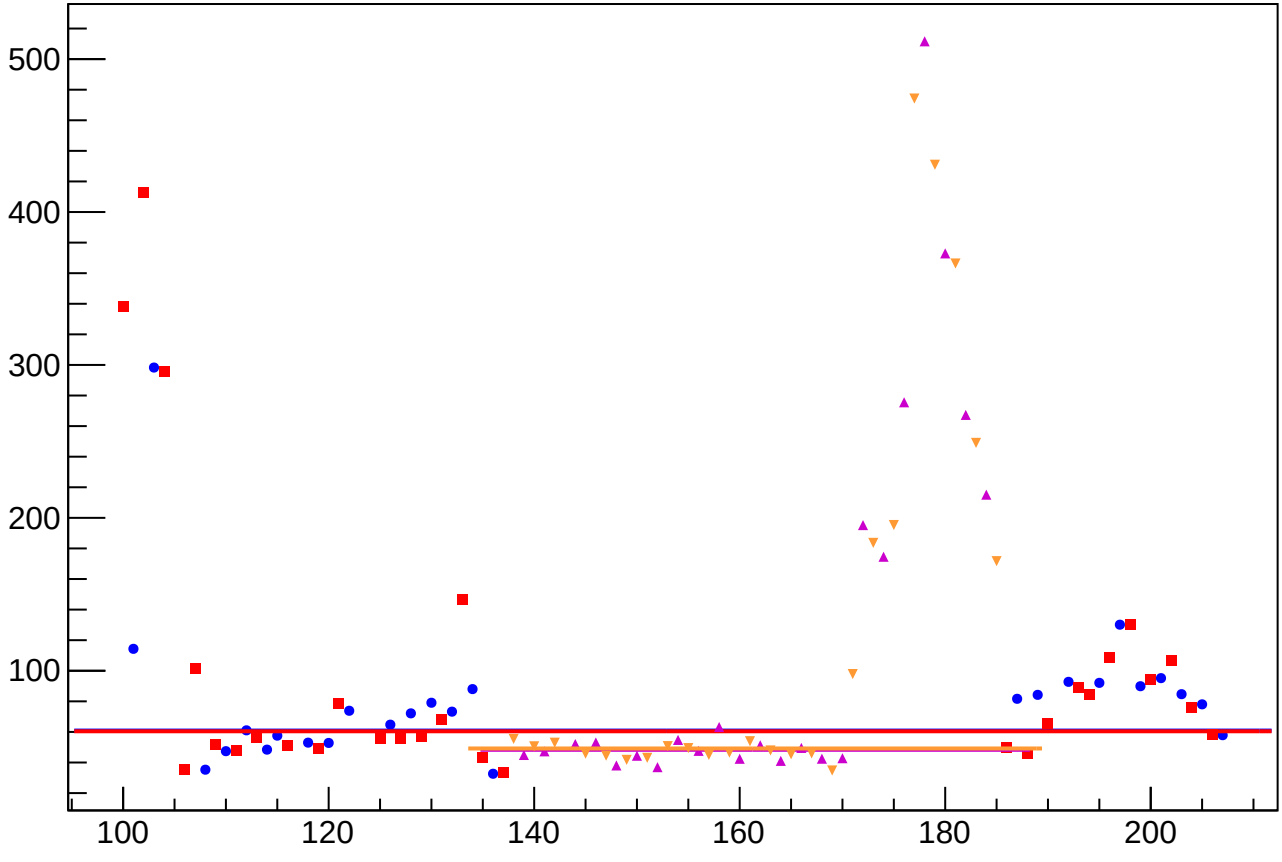
Right: -0.002+/-0.013 χ^2/NDF: 40.6/54

In: 0.007+/-0.011 χ^2/NDF:27.5/48

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.012+/-0.008 χ^2/NDF: 78.4/101

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 60.880+/-0.013 χ^2/NDF: 4205123.0/25

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

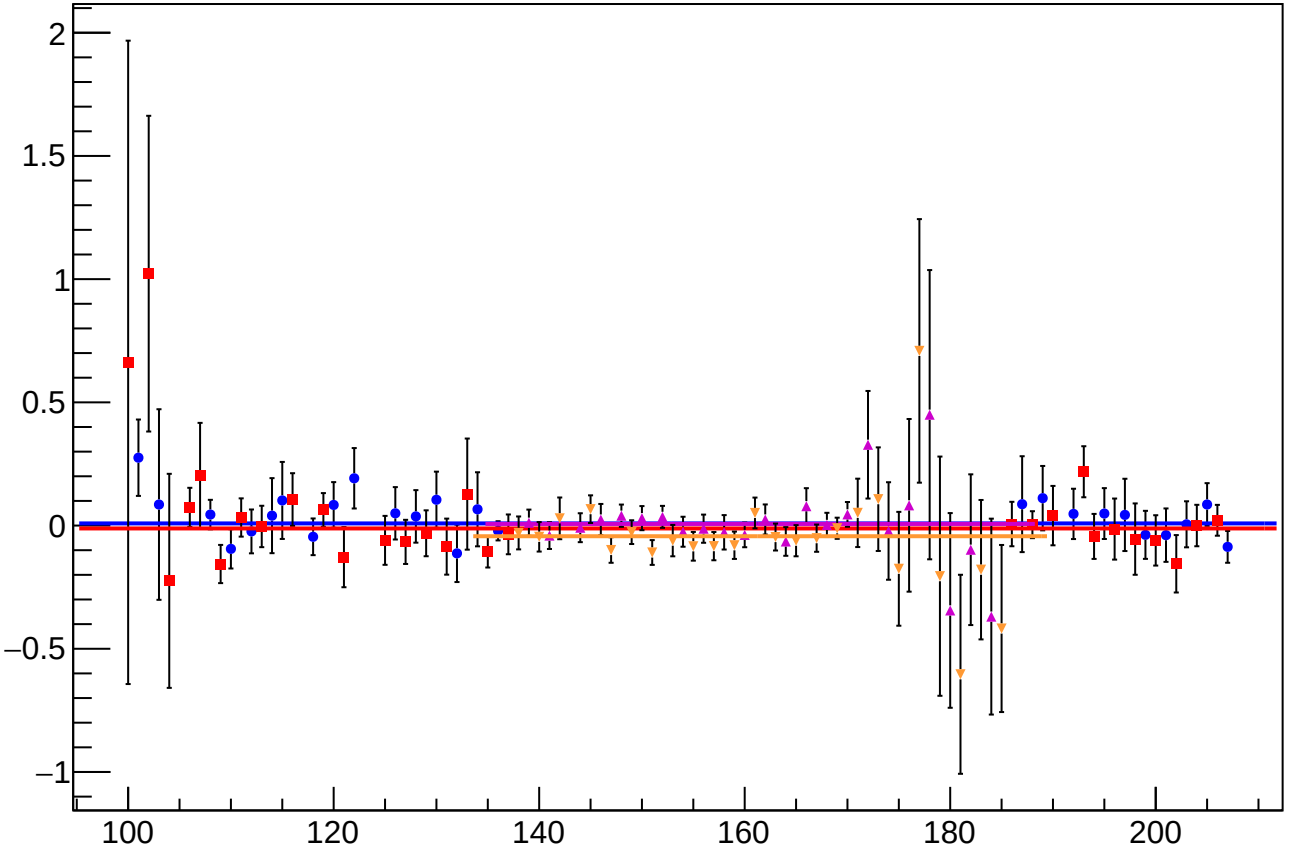
Right: 60.647+/-0.009 χ^2/NDF: 8478028.0/54

In: 52.846+/-0.008 χ^2/NDF:11869857.3/48

Out: 53.555+/-0.008 χ^2/NDF:12031427.0/52

All: 53.198+/-0.005 χ^2/NDF: 23905559.2/101

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.018 χ^2/NDF: 16.3/25

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

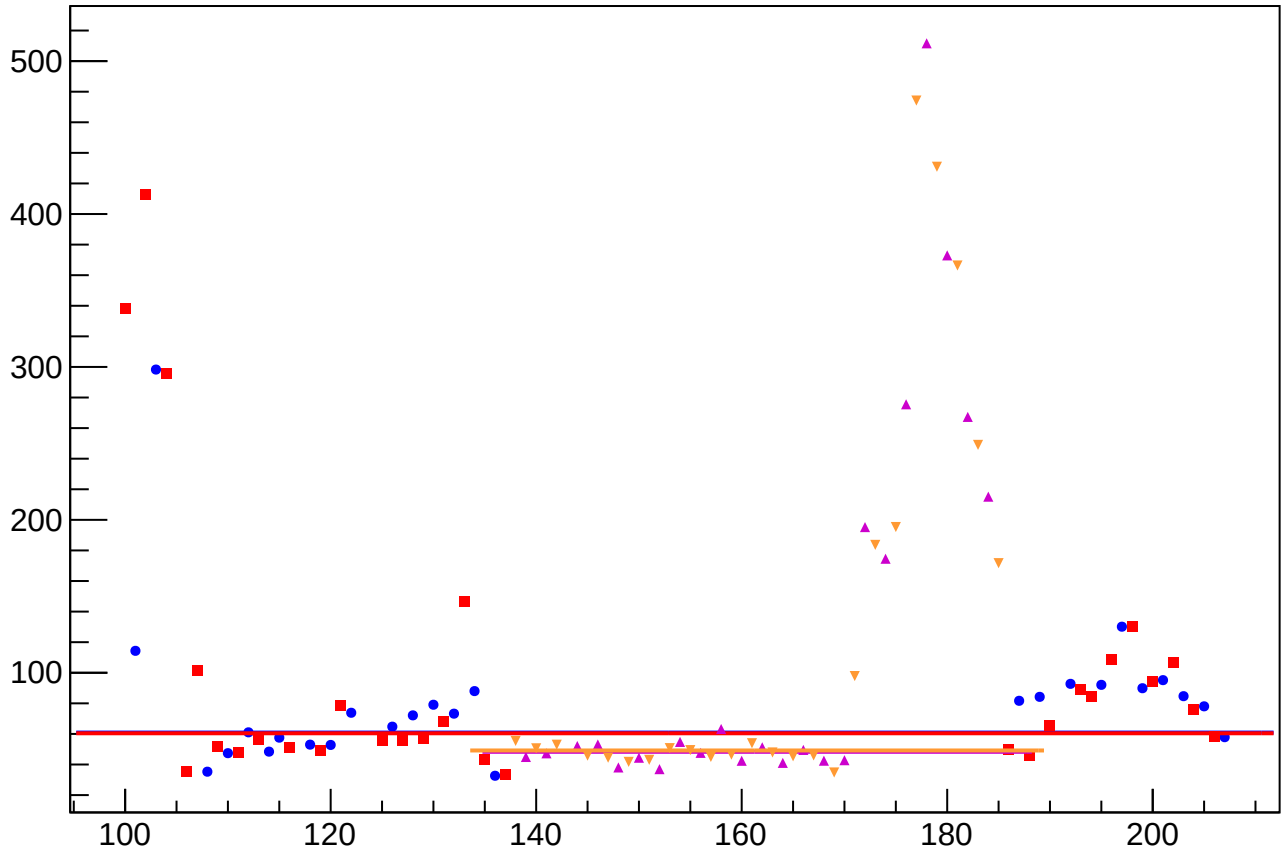
Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

Right: -0.002+/-0.013 χ^2/NDF: 40.6/54

In: 0.007+/-0.011 χ^2/NDF:27.5/48

Out: -0.031+/-0.011 χ^2/NDF:44.5/52

All: -0.012+/-0.008 χ^2/NDF: 78.4/101



Right In: 60.880+/-0.013 χ^2/NDF: 4205123.0/25

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

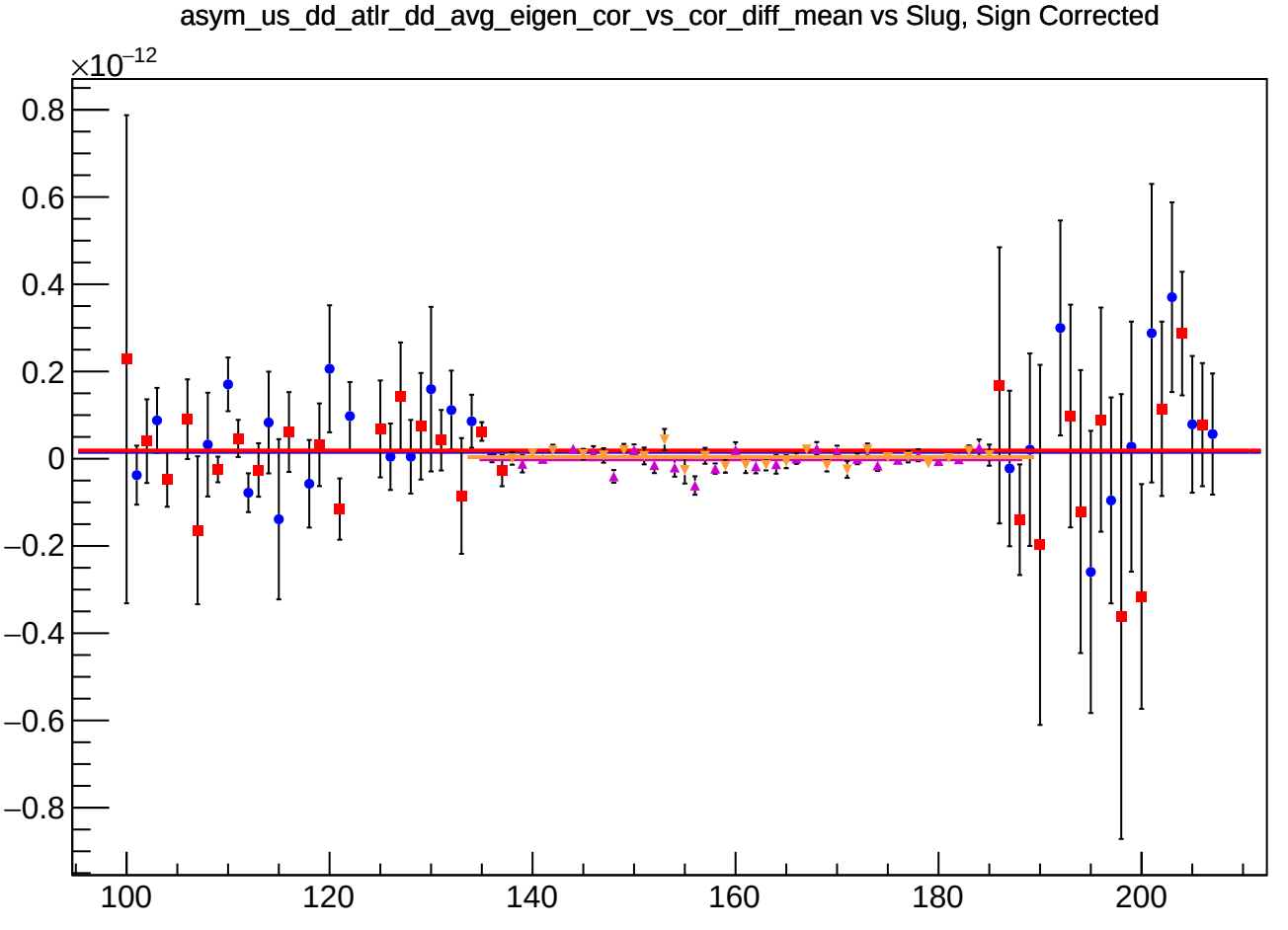
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

Right: 60.647+/-0.009 χ^2/NDF: 8478028.0/54

In: 52.846+/-0.008 χ^2/NDF:11869857.3/48

Out: 53.555+/-0.008 χ^2/NDF:12031427.0/52

All: 53.198+/-0.005 χ^2/NDF: 23905559.2/101



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/25

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/28

Left In: -0.000+/-0.000 χ^2/NDF:40.0/22

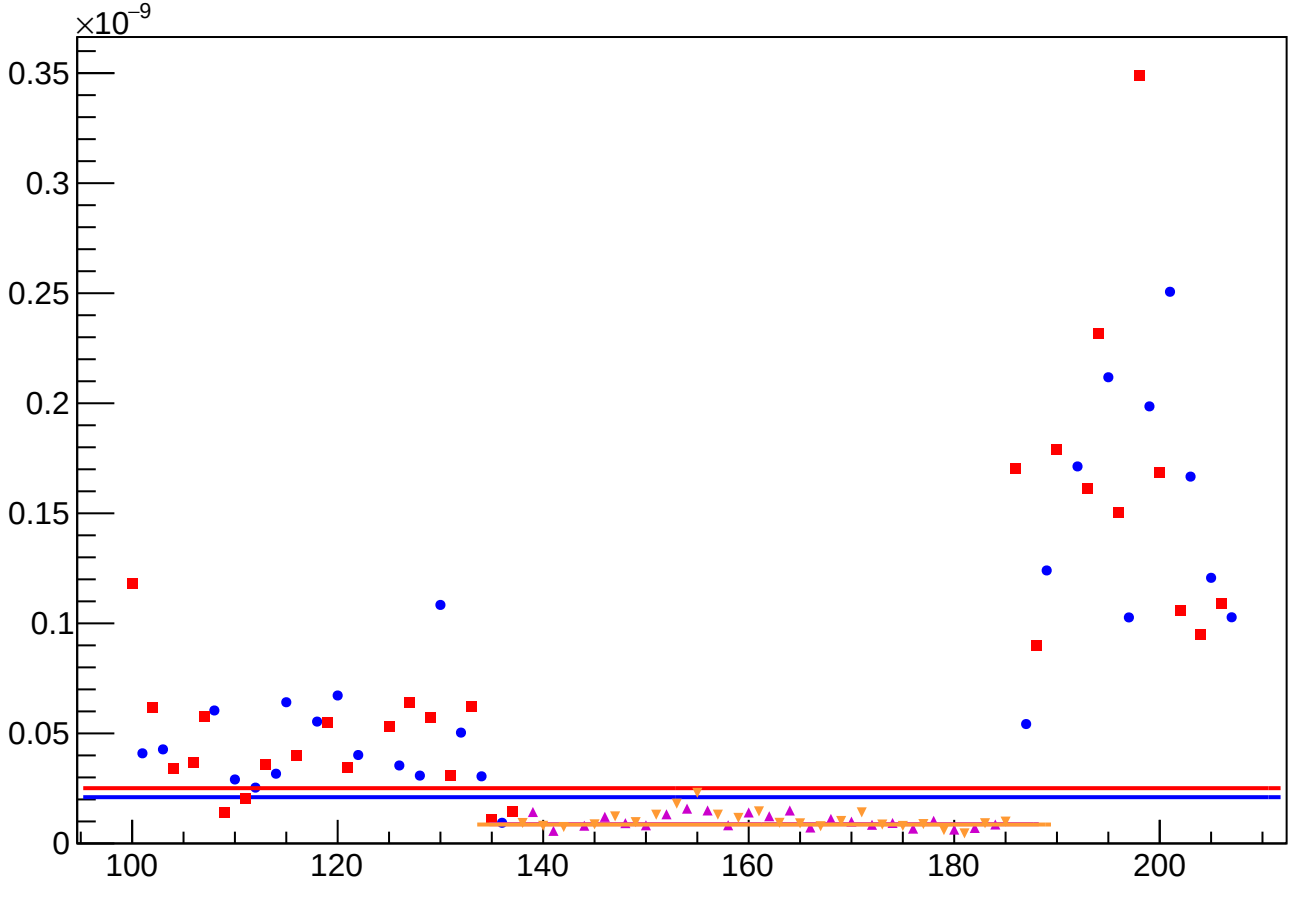
Left: 0.000+/-0.000 χ^2/NDF: 66.3/46

Right: 0.000+/-0.000 χ^2/NDF: 52.9/54

In: -0.000+/-0.000 χ^2/NDF:68.5/48

Out: 0.000+/-0.000 χ^2/NDF:52.7/52

All: 0.000+/-0.000 χ^2/NDF: 122.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 9802438.6/25

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

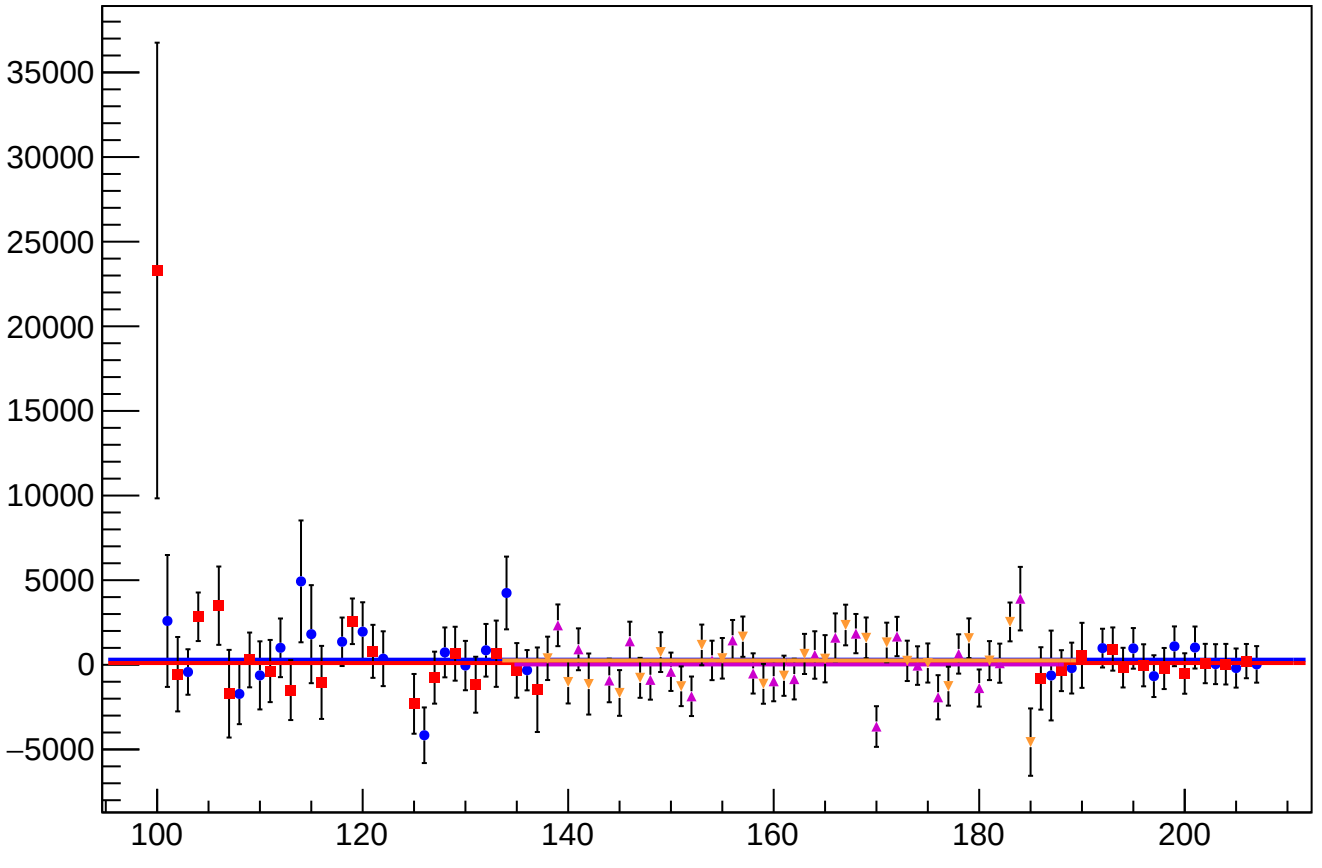
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 18766412.5/54

In: 0.000+/-0.000 χ^2/NDF:14037793.9/48

Out: 0.000+/-0.000 χ^2/NDF:14795163.6/52

All: 0.000+/-0.000 χ^2/NDF: 28834321.4/101



Right In: 302.993+/-289.386 χ^2/NDF: 19.6/25

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

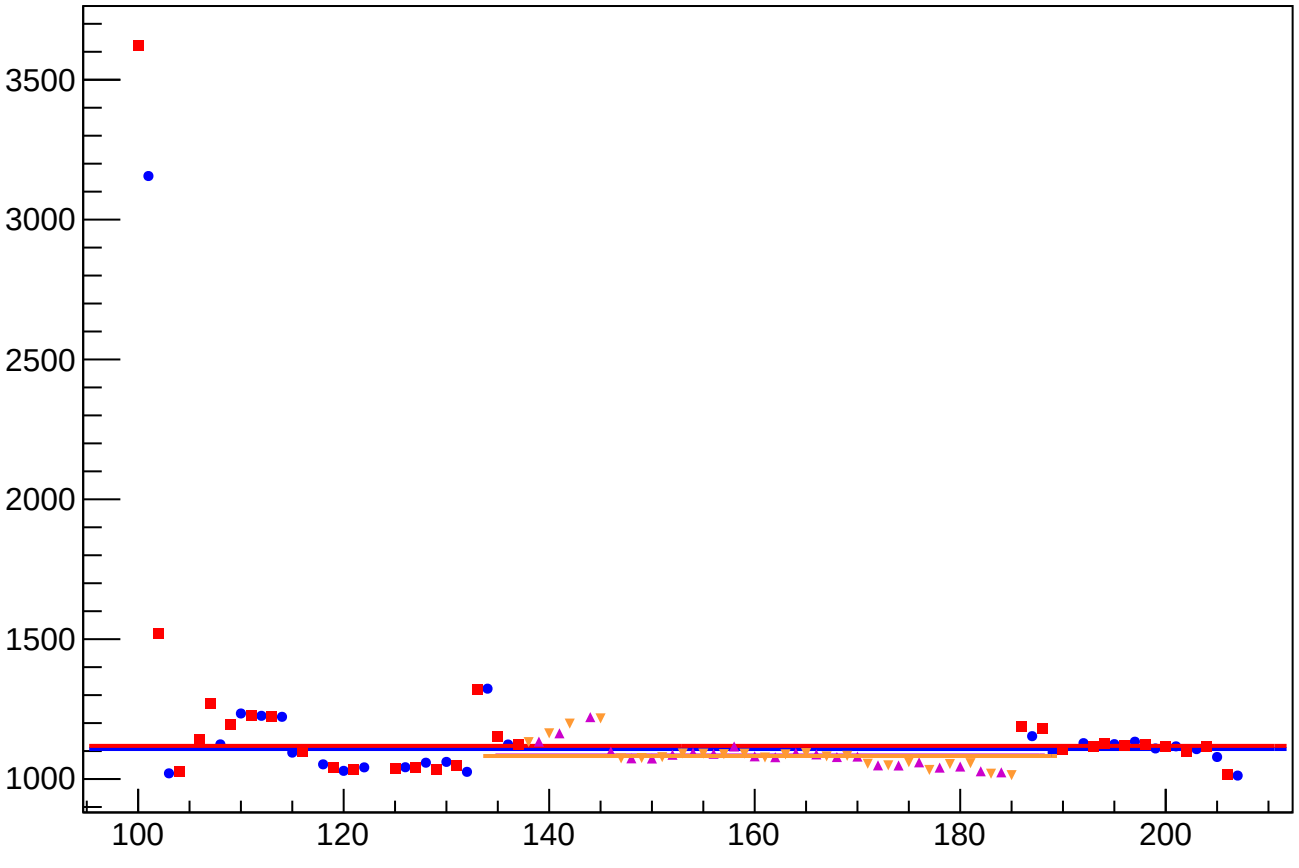
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 201.254+/-202.092 χ^2/NDF: 38.6/54

In: 144.120+/-190.612 χ^2/NDF:55.9/48

Out: 191.556+/-187.759 χ^2/NDF:47.2/52

All: 168.196+/-133.763 χ^2/NDF: 103.1/101



Right In: 1107.258+/-0.205 χ^2/NDF: 643806.5/25

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

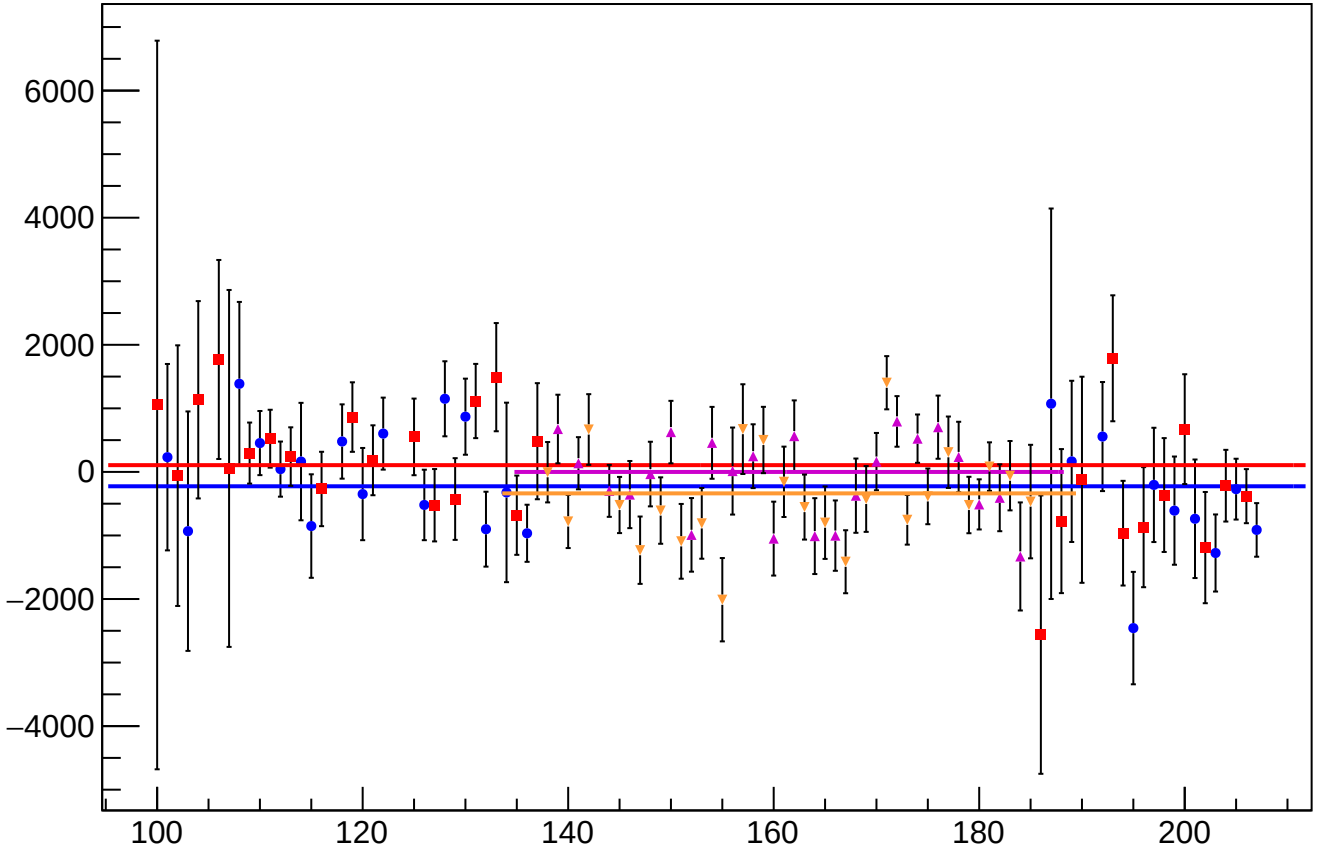
Right: 1113.040+/-0.143 χ^2/NDF: 896881.6/54

In: 1094.185+/-0.135 χ^2/NDF:704455.1/48

Out: 1098.332+/-0.133 χ^2/NDF:327765.2/52

All: 1096.290+/-0.095 χ^2/NDF: 1032700.9/10

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -226.152+/-130.964 χ^2/NDF: 35.1/25

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

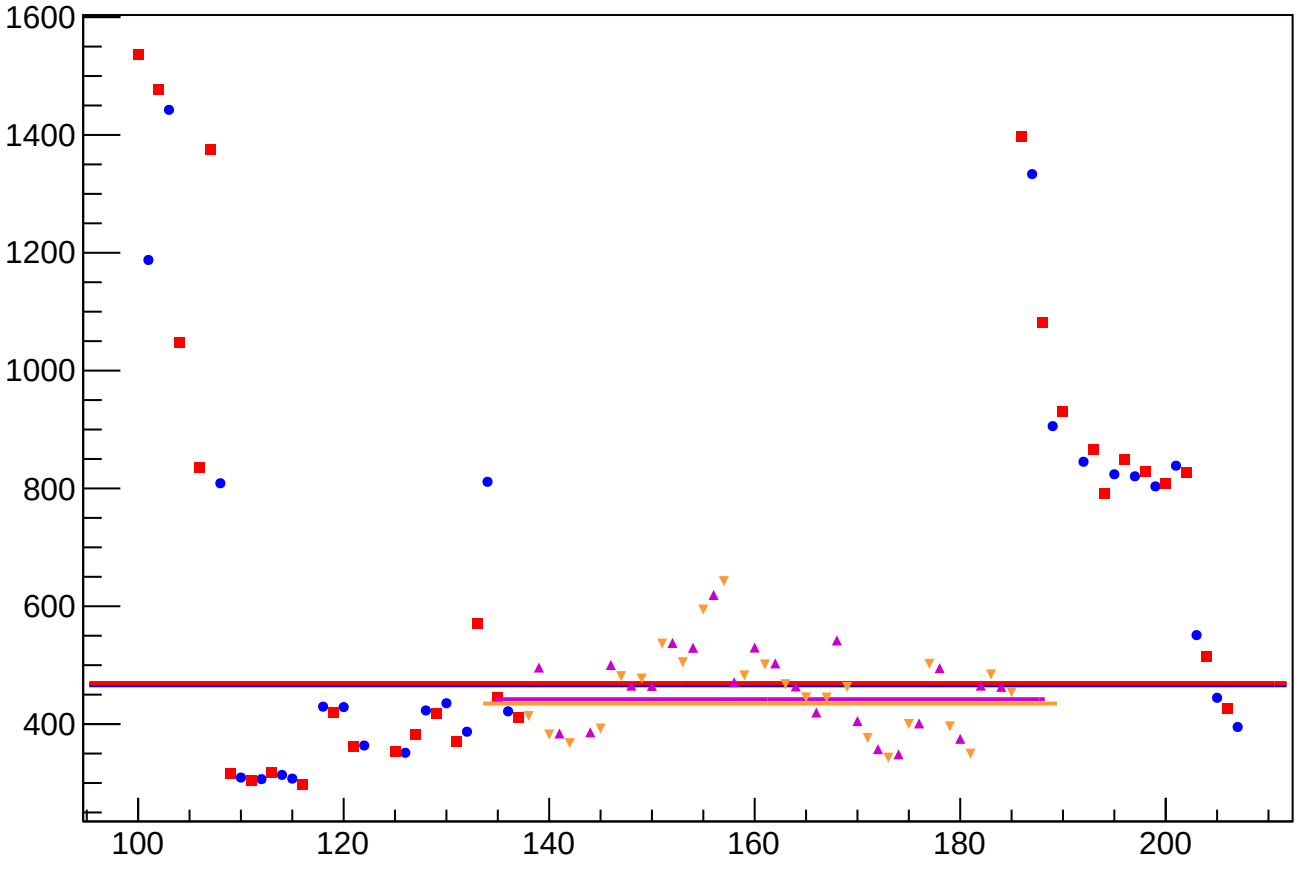
Right: -59.536+/-92.515 χ^2/NDF: 65.5/54

In: -88.549+/-81.794 χ^2/NDF:68.8/48

Out: -168.391+/-80.707 χ^2/NDF:83.1/52

All: -129.004+/-57.449 χ^2/NDF: 152.4/101

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 465.900+/-0.093 χ^2/NDF: 4274757.6/25

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

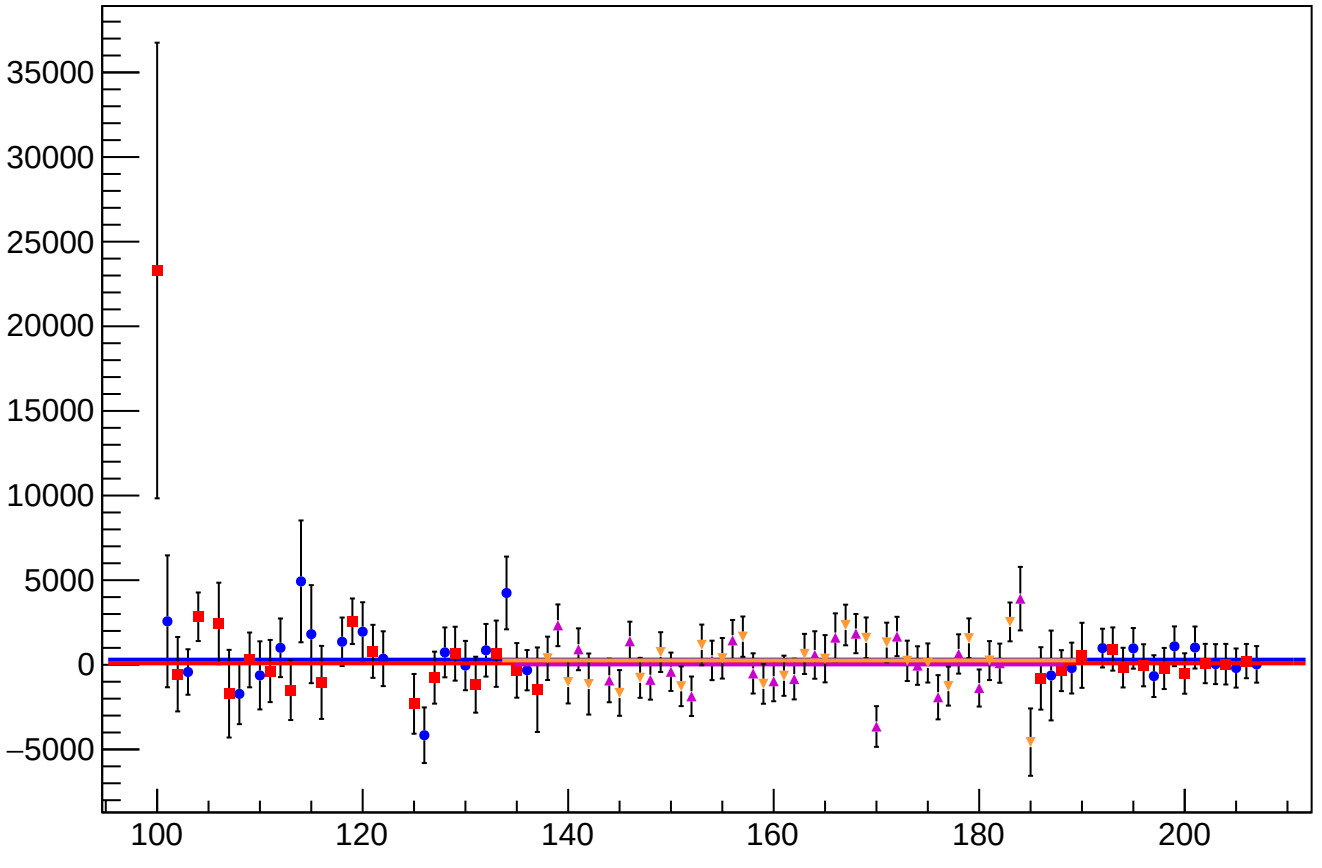
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 467.771+/-0.065 χ^2/NDF: 9651859.1/54

In: 451.450+/-0.058 χ^2/NDF:5140649.1/48

Out: 448.117+/-0.057 χ^2/NDF:6342300.3/52

All: 449.761+/-0.041 χ^2/NDF: 11484632.2/10



Right In: 302.867+/-289.386 χ^2/NDF: 19.6/25

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

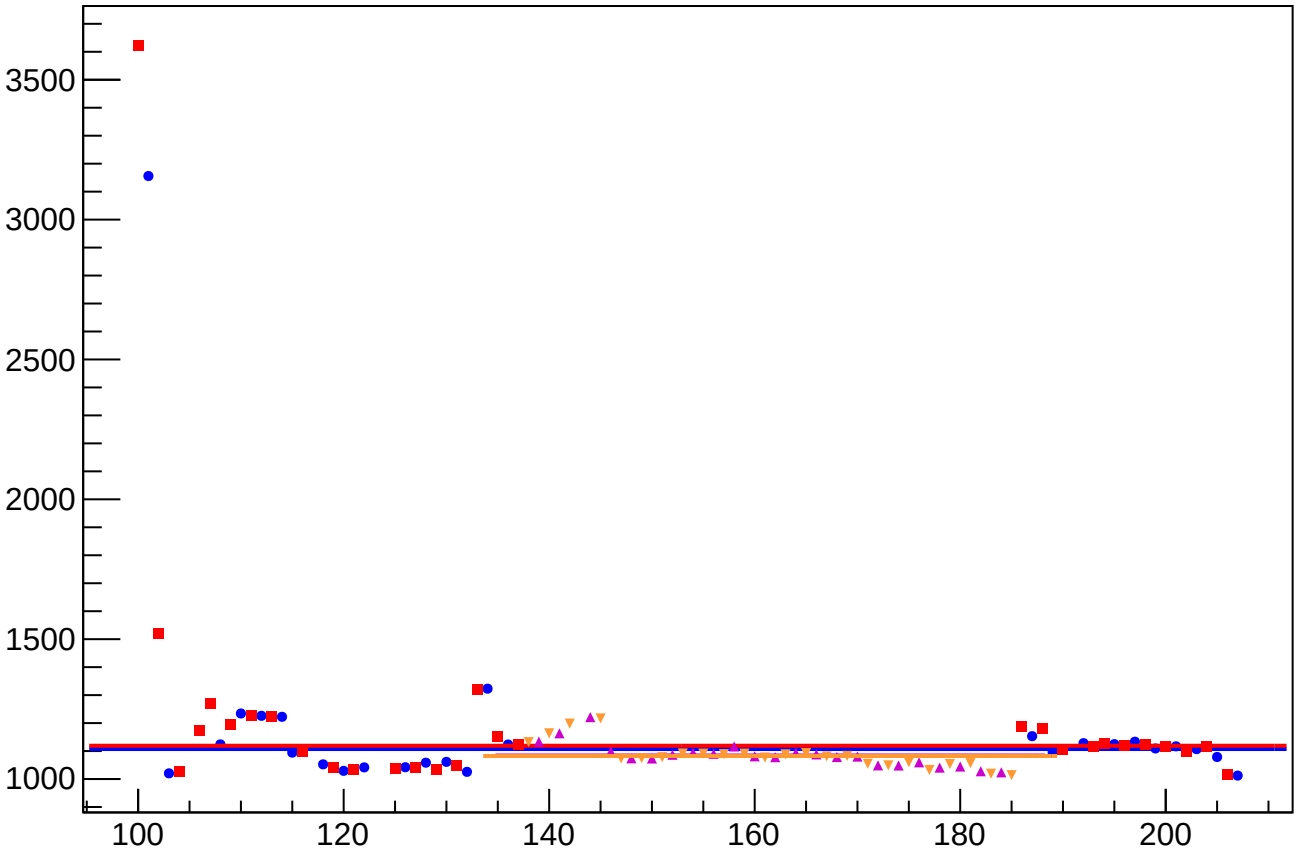
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 191.830+/-202.151 χ^2/NDF: 37.4/54

In: 144.062+/-190.613 χ^2/NDF:55.9/48

Out: 183.464+/-187.806 χ^2/NDF:46.0/52

All: 164.055+/-133.780 χ^2/NDF: 101.9/101



Right In: 1107.258+/-0.205 χ^2/NDF: 643807.5/25

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

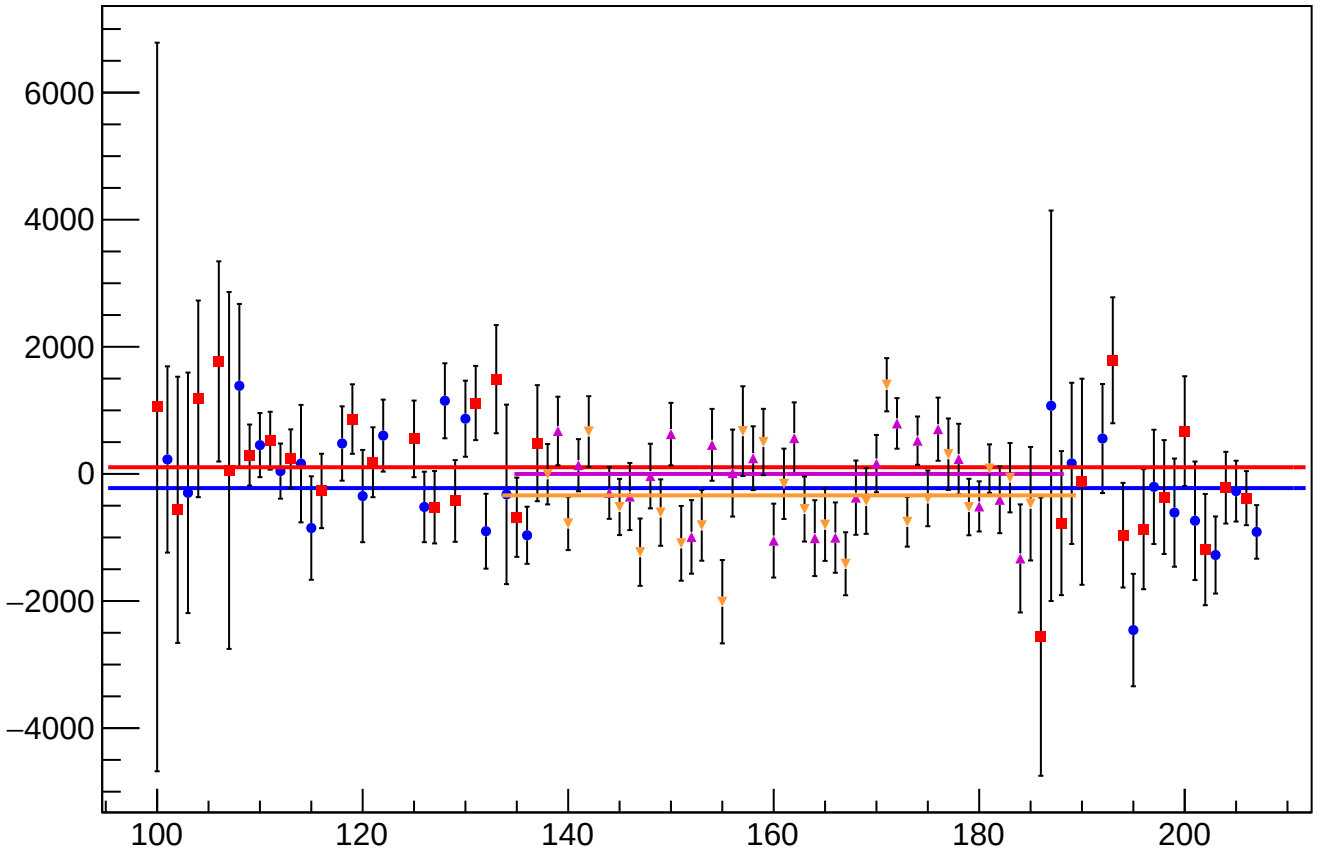
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1113.245+/-0.143 χ^2/NDF: 897789.5/54

In: 1094.185+/-0.135 χ^2/NDF:704456.0/48

Out: 1098.502+/-0.133 χ^2/NDF:328961.0/52

All: 1096.375+/-0.095 χ^2/NDF: 1033937.5/10



Right In: -223.172+/-130.965 χ^2/NDF: 35.0/25

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

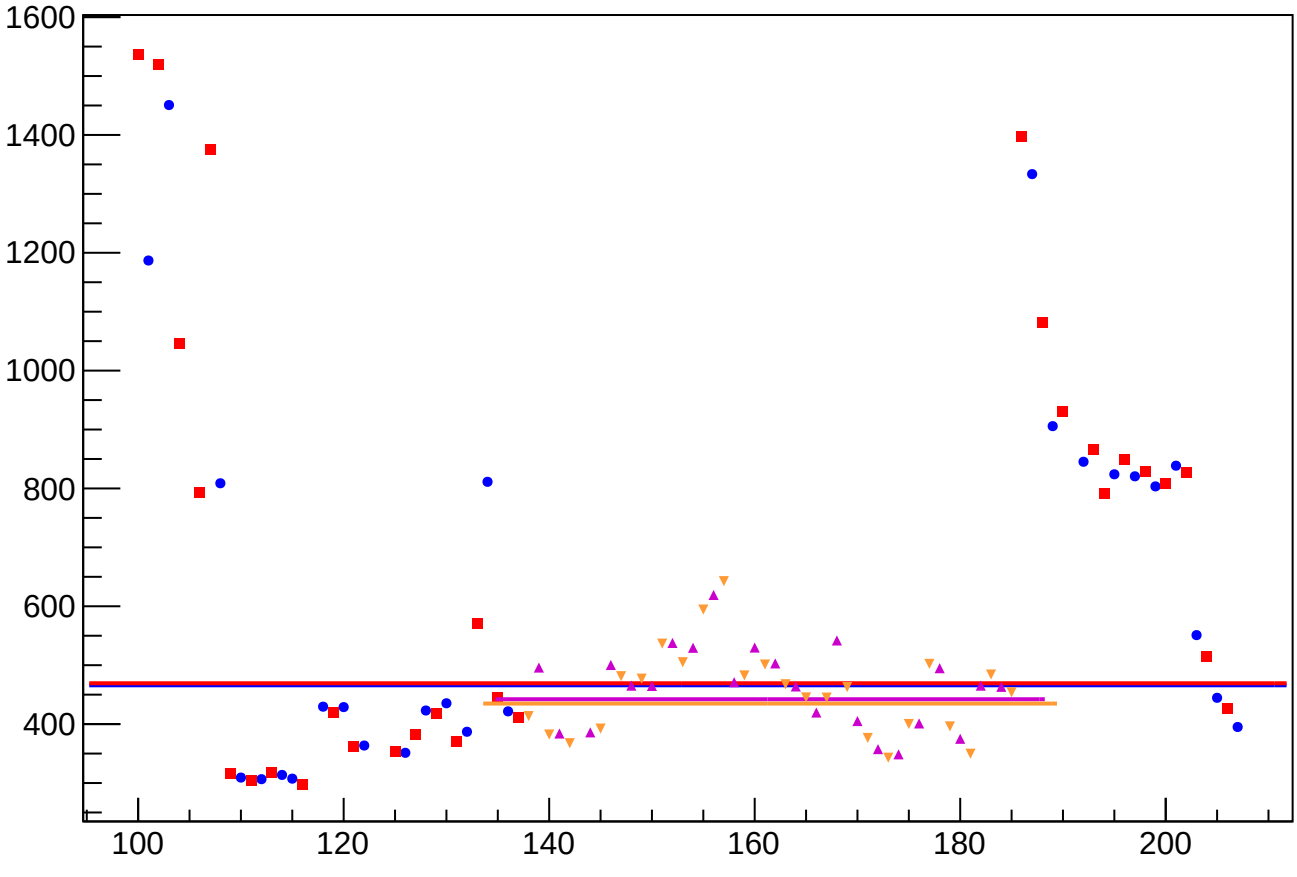
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: -58.898+/-92.520 χ^2/NDF: 65.4/54

In: -87.398+/-81.795 χ^2/NDF:68.6/48

Out: -169.104+/-80.710 χ^2/NDF:83.2/52

All: -128.796+/-57.450 χ^2/NDF: 152.3/101



Right In: 465.894+/-0.093 χ^2/NDF: 4278547.5/25

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

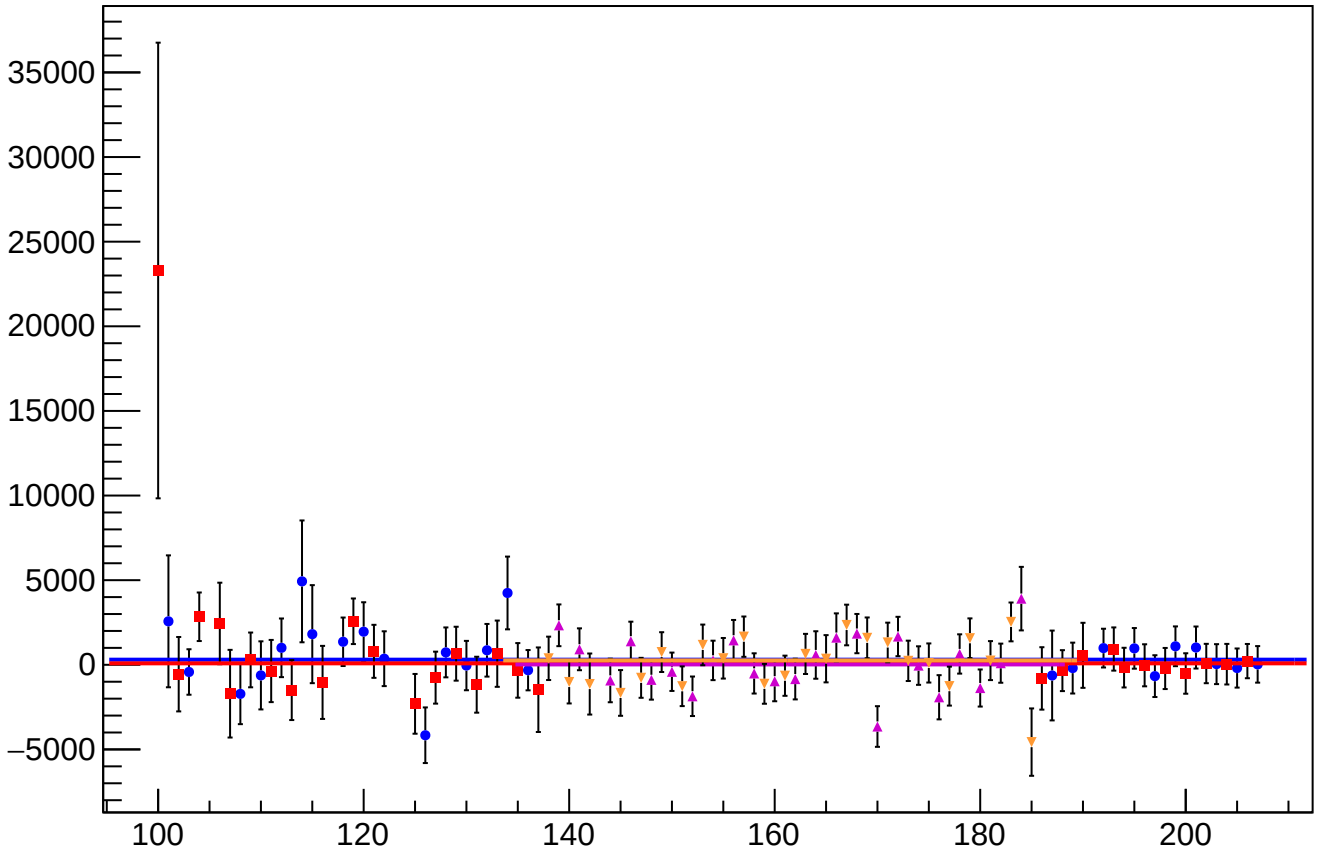
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 467.614+/-0.065 χ^2/NDF: 9649790.4/54

In: 451.448+/-0.058 χ^2/NDF:5144288.2/48

Out: 447.996+/-0.057 χ^2/NDF:6335120.2/52

All: 449.699+/-0.041 χ^2/NDF: 11481213.3/10



Right In: 302.867+/-289.386 χ^2/NDF: 19.6/25

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

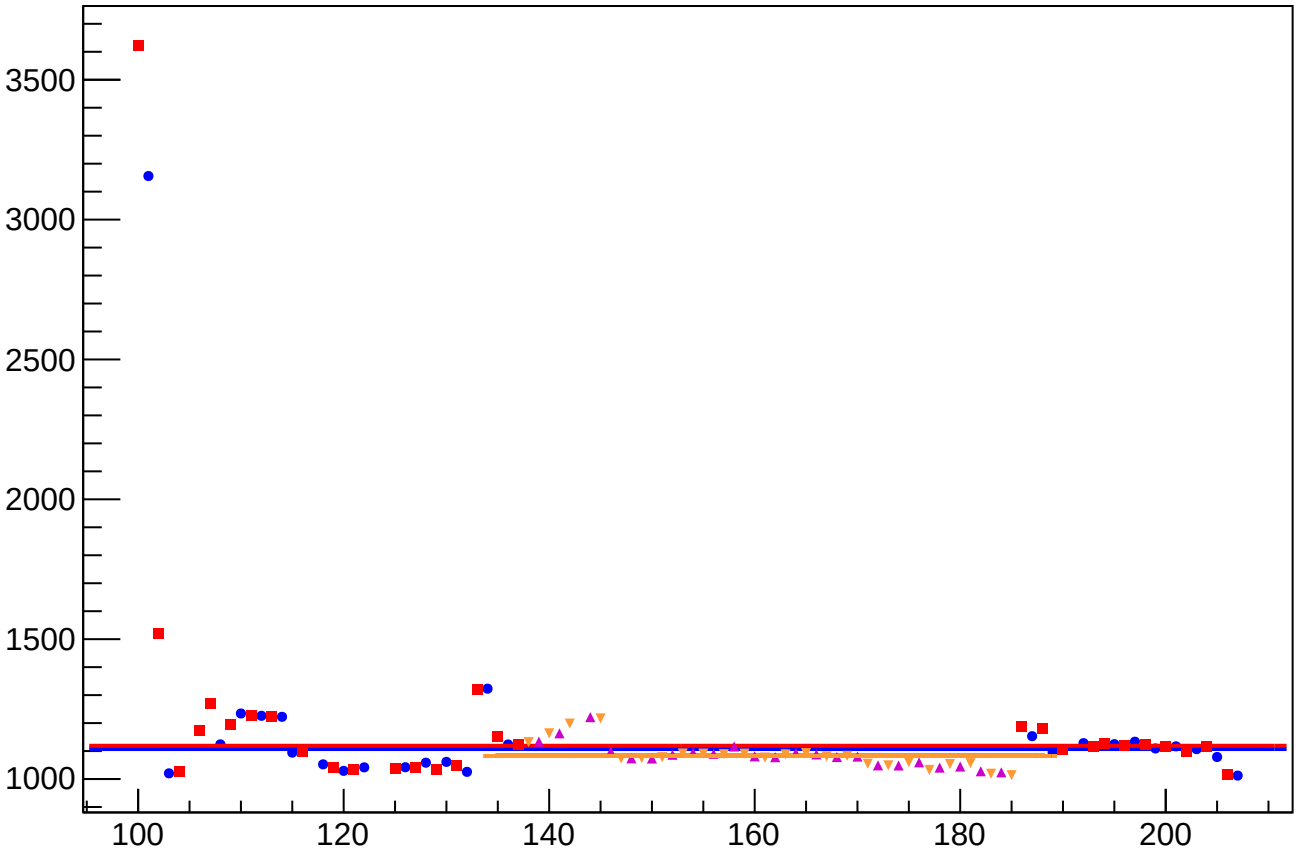
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 191.830+/-202.151 χ^2/NDF: 37.4/54

In: 144.062+/-190.613 χ^2/NDF:55.9/48

Out: 183.464+/-187.806 χ^2/NDF:46.0/52

All: 164.055+/-133.780 χ^2/NDF: 101.9/101



Right In: 1107.258+/-0.205 χ^2/NDF: 643807.5/25

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

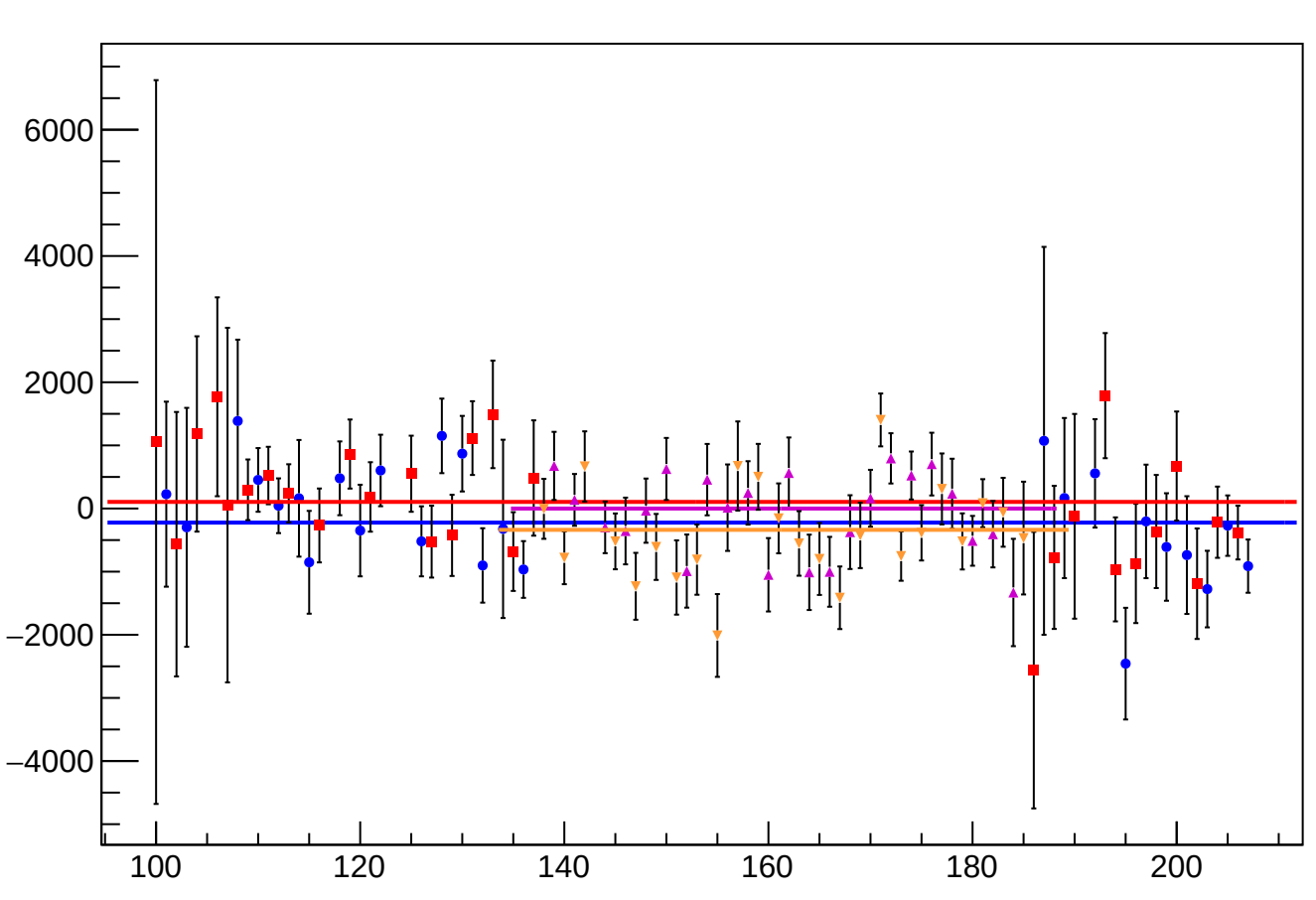
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1113.245+/-0.143 χ^2/NDF: 897789.5/54

In: 1094.185+/-0.135 χ^2/NDF:704456.0/48

Out: 1098.502+/-0.133 χ^2/NDF:328961.0/52

All: 1096.375+/-0.095 χ^2/NDF: 1033937.5/10



Right In: -223.172+/-130.965 χ^2/NDF: 35.0/25

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

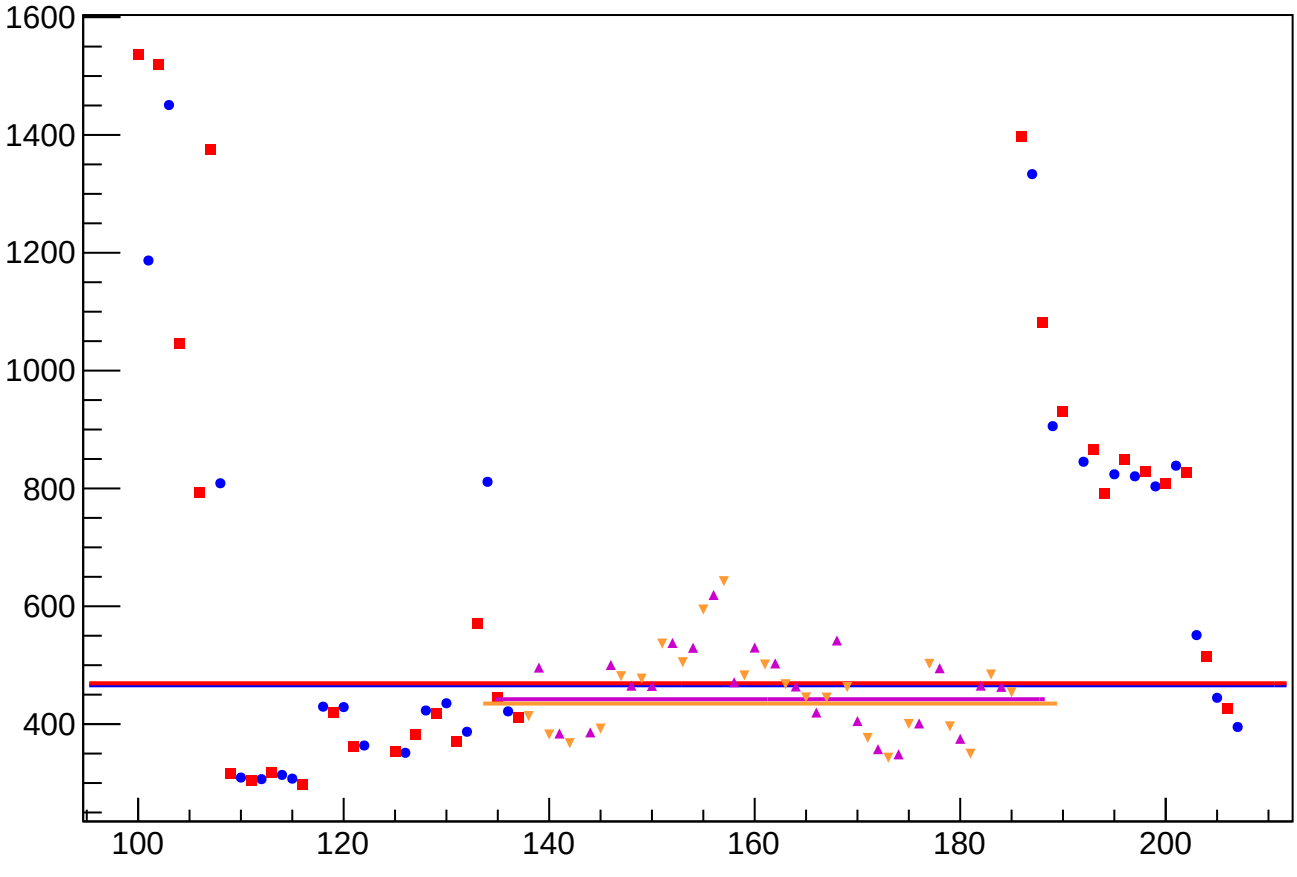
Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

Right: -58.898+/-92.520 χ^2/NDF: 65.4/54

In: -87.398+/-81.795 χ^2/NDF:68.6/48

Out: -169.104+/-80.710 χ^2/NDF:83.2/52

All: -128.796+/-57.450 χ^2/NDF: 152.3/101



Right In: 465.894+/-0.093 χ^2/NDF: 4278547.5/25

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

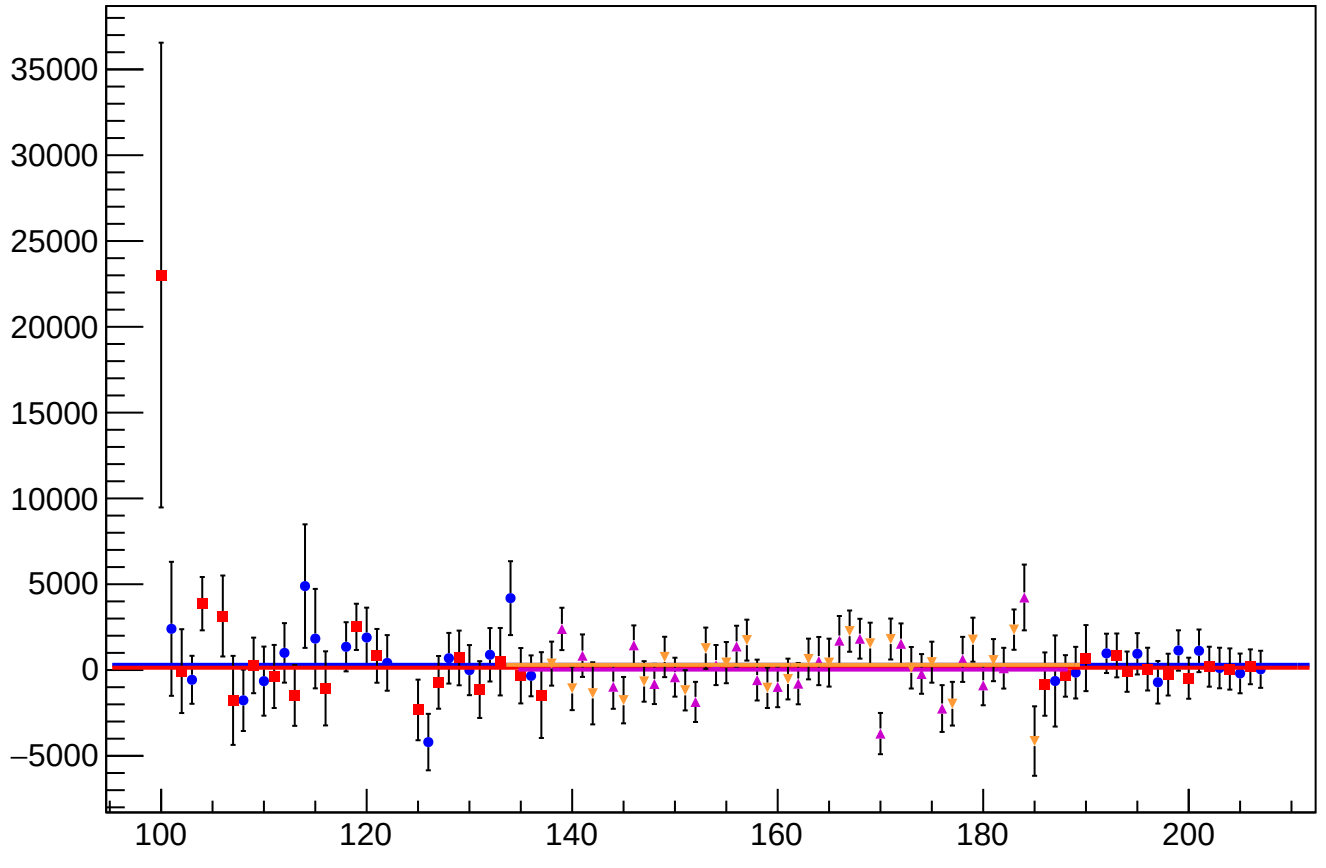
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 467.614+/-0.065 χ^2/NDF: 9649790.4/54

In: 451.448+/-0.058 χ^2/NDF:5144288.2/48

Out: 447.996+/-0.057 χ^2/NDF:6335120.2/52

All: 449.699+/-0.041 χ^2/NDF: 11481213.3/10



Right In: 304.821+/-290.242 χ^2/NDF: 19.7/25

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

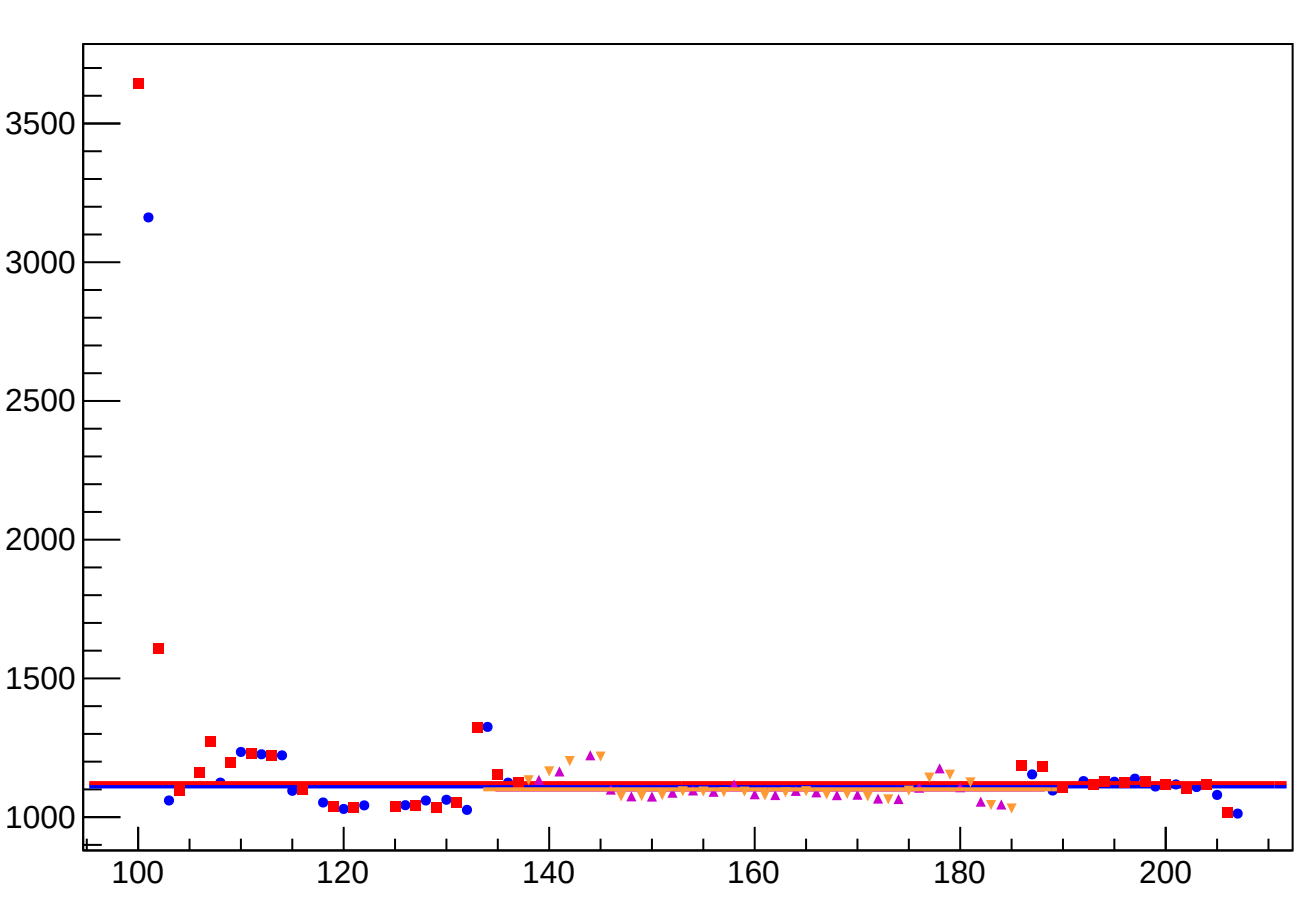
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 217.790+/-203.000 χ^2/NDF: 39.9/54

In: 148.082+/-192.354 χ^2/NDF:56.1/48

Out: 227.816+/-189.977 χ^2/NDF:48.8/52

All: 188.445+/-135.167 χ^2/NDF: 104.9/101



Right In: 1110.562+/-0.205 χ^2/NDF: 638857.6/25

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

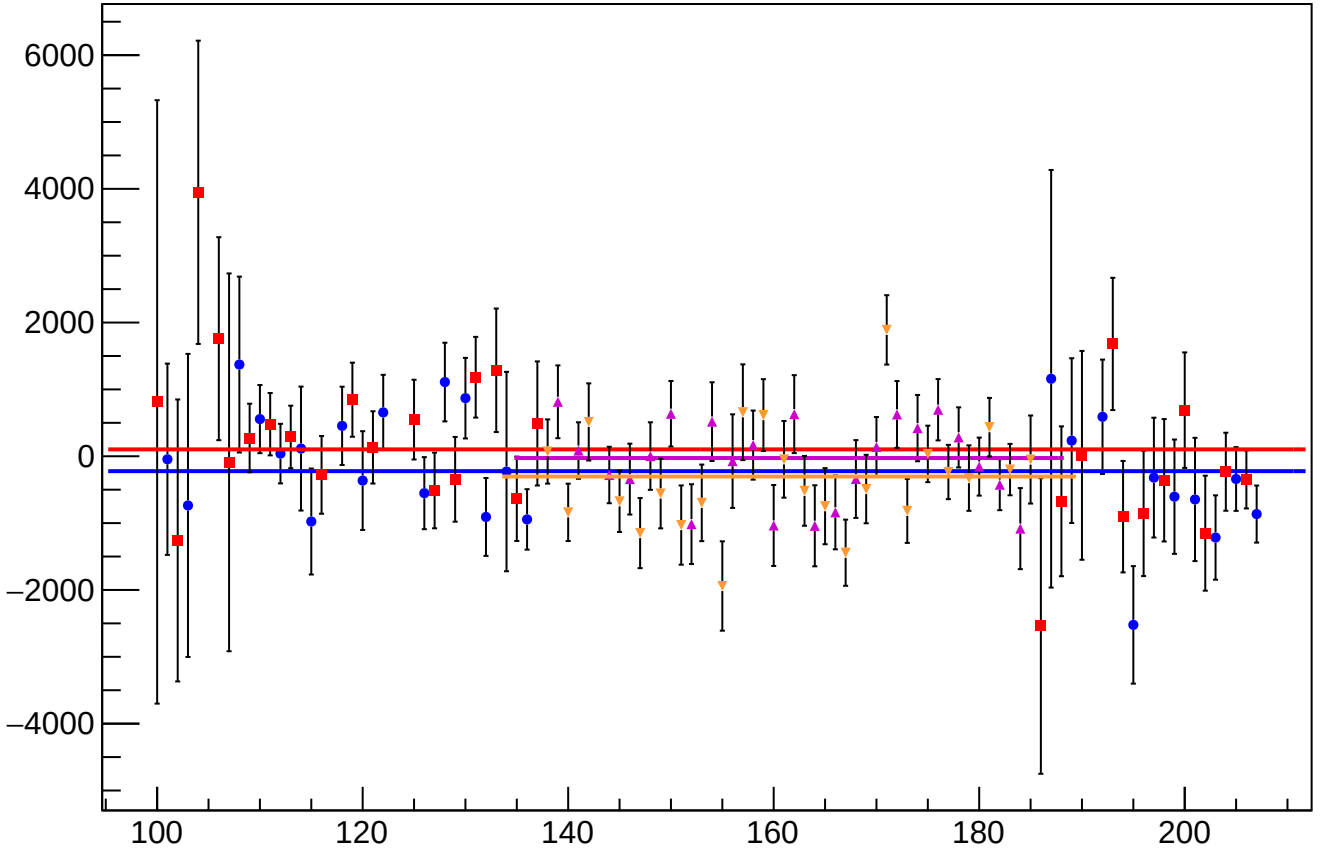
Right: 1116.769+/-0.144 χ^2/NDF: 898907.9/54

In: 1104.270+/-0.136 χ^2/NDF:685319.2/48

Out: 1110.304+/-0.134 χ^2/NDF:313942.2/52

All: 1107.325+/-0.096 χ^2/NDF: 1000257.9/10

asym_us_dd_atlr_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -222.974+/-131.542 χ^2/NDF: 35.1/25

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

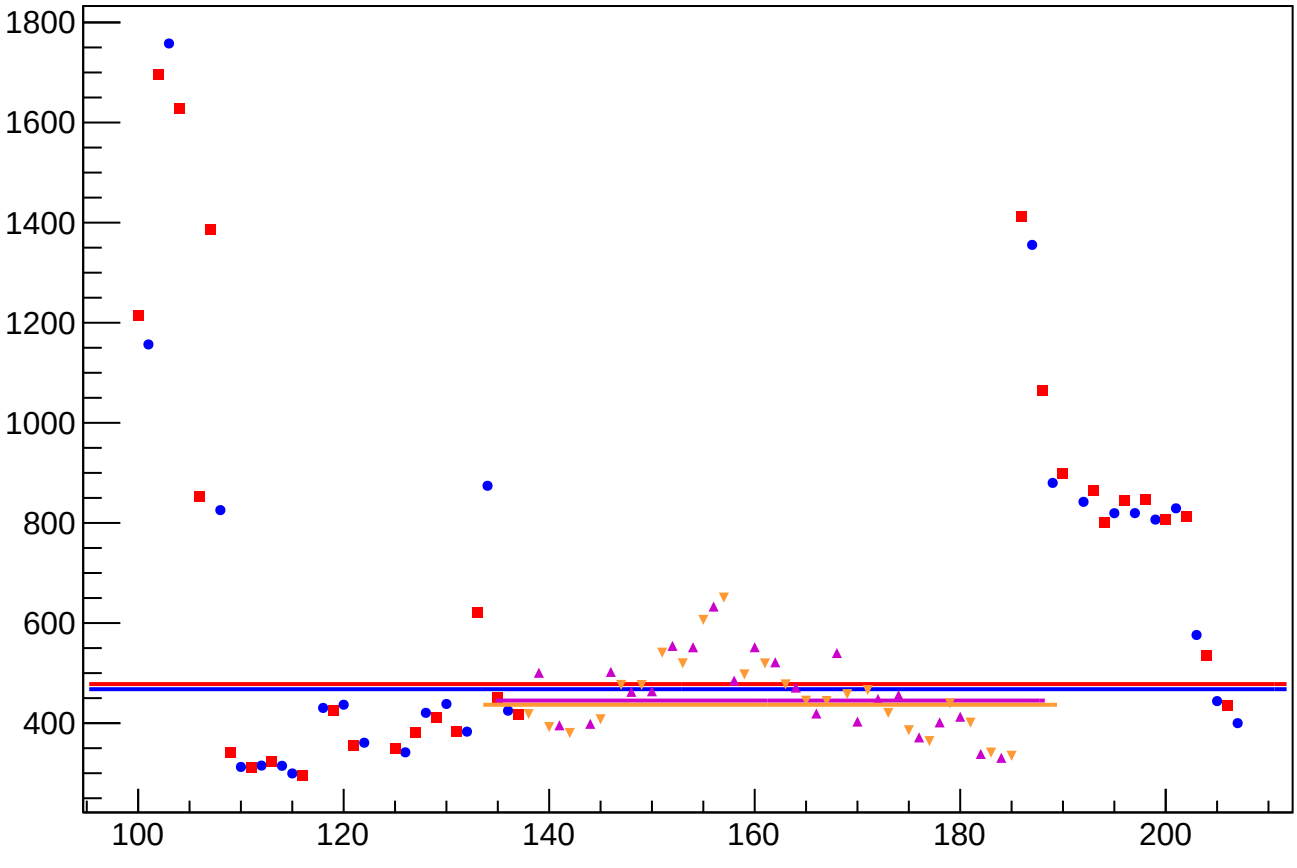
Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

Right: -61.495+/-93.421 χ^2/NDF: 65.6/54

In: -103.485+/-82.262 χ^2/NDF:64.3/48

Out: -150.594+/-81.356 χ^2/NDF:82.9/52

All: -127.300+/-57.845 χ^2/NDF: 147.3/101



Right In: 467.869+/-0.093 χ^2/NDF: 4377301.1/25

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

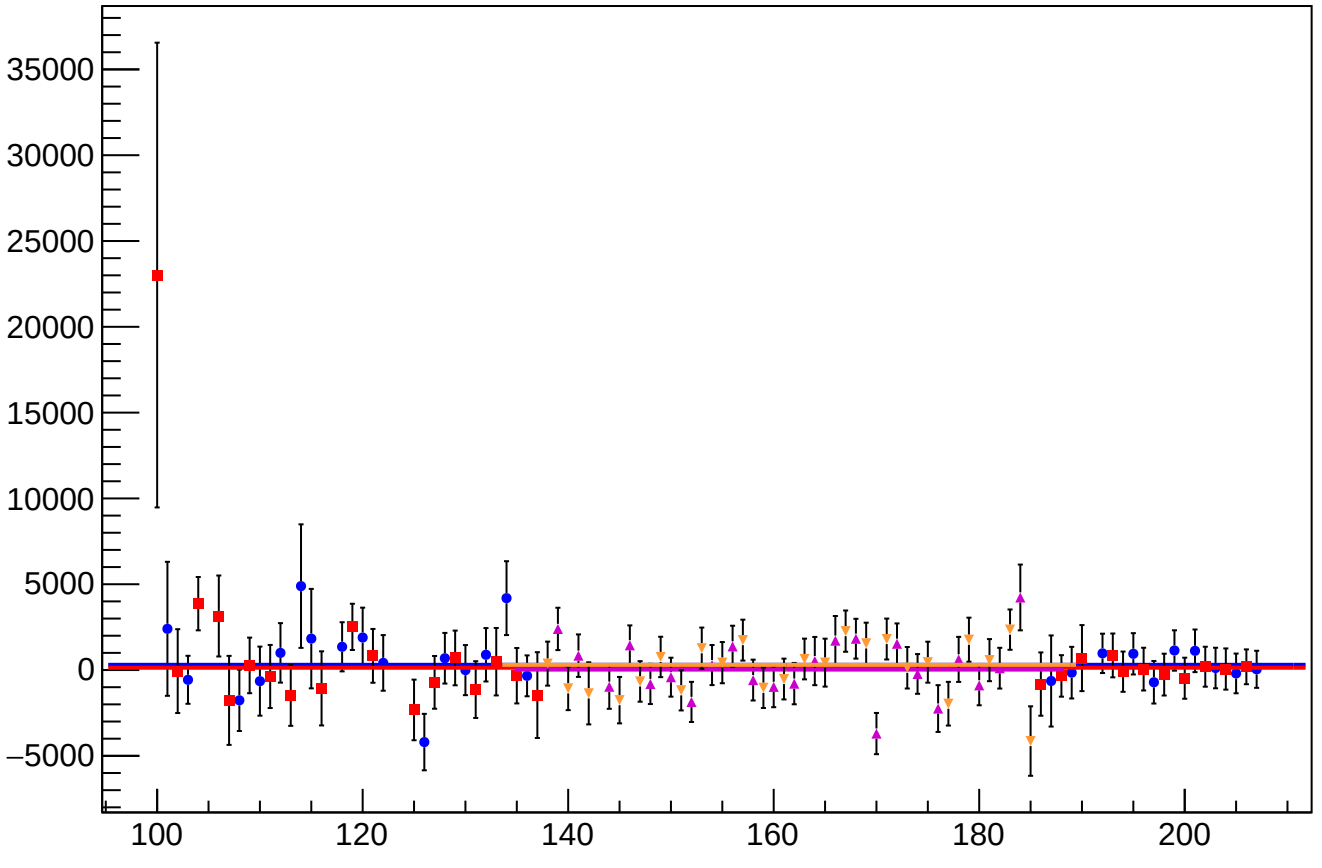
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 472.927+/-0.066 χ^2/NDF: 10079275.1/54

In: 454.010+/-0.058 χ^2/NDF:5288296.6/48

Out: 452.306+/-0.058 χ^2/NDF:6672051.0/52

All: 453.148+/-0.041 χ^2/NDF: 11960781.8/10



Right In: 304.821+/-290.242 χ^2/NDF: 19.7/25

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

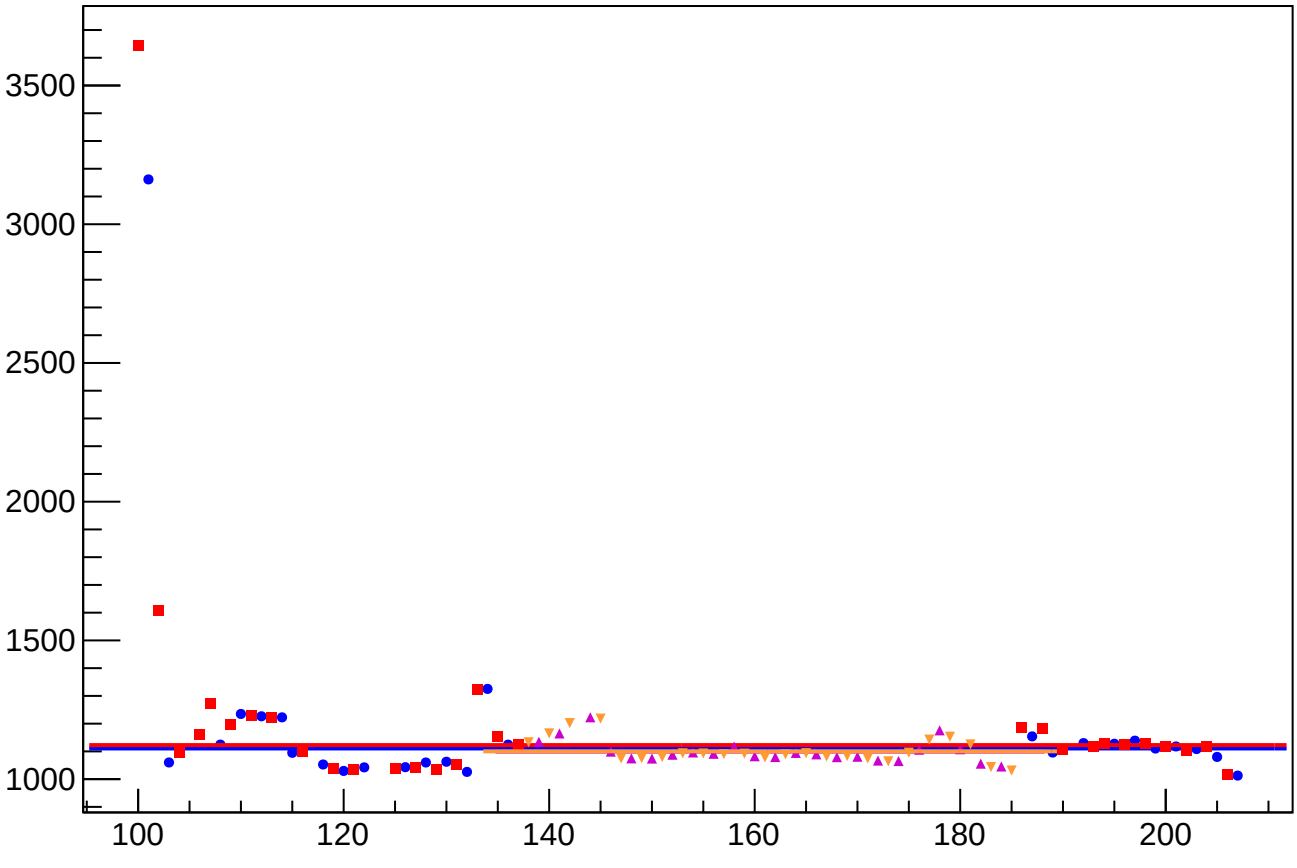
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 217.791+/-203.000 χ^2/NDF: 39.9/54

In: 148.082+/-192.354 χ^2/NDF:56.1/48

Out: 227.815+/-189.977 χ^2/NDF:48.8/52

All: 188.444+/-135.167 χ^2/NDF: 104.9/101



Right In: 1110.562+/-0.205 χ^2/NDF: 638857.7/25

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

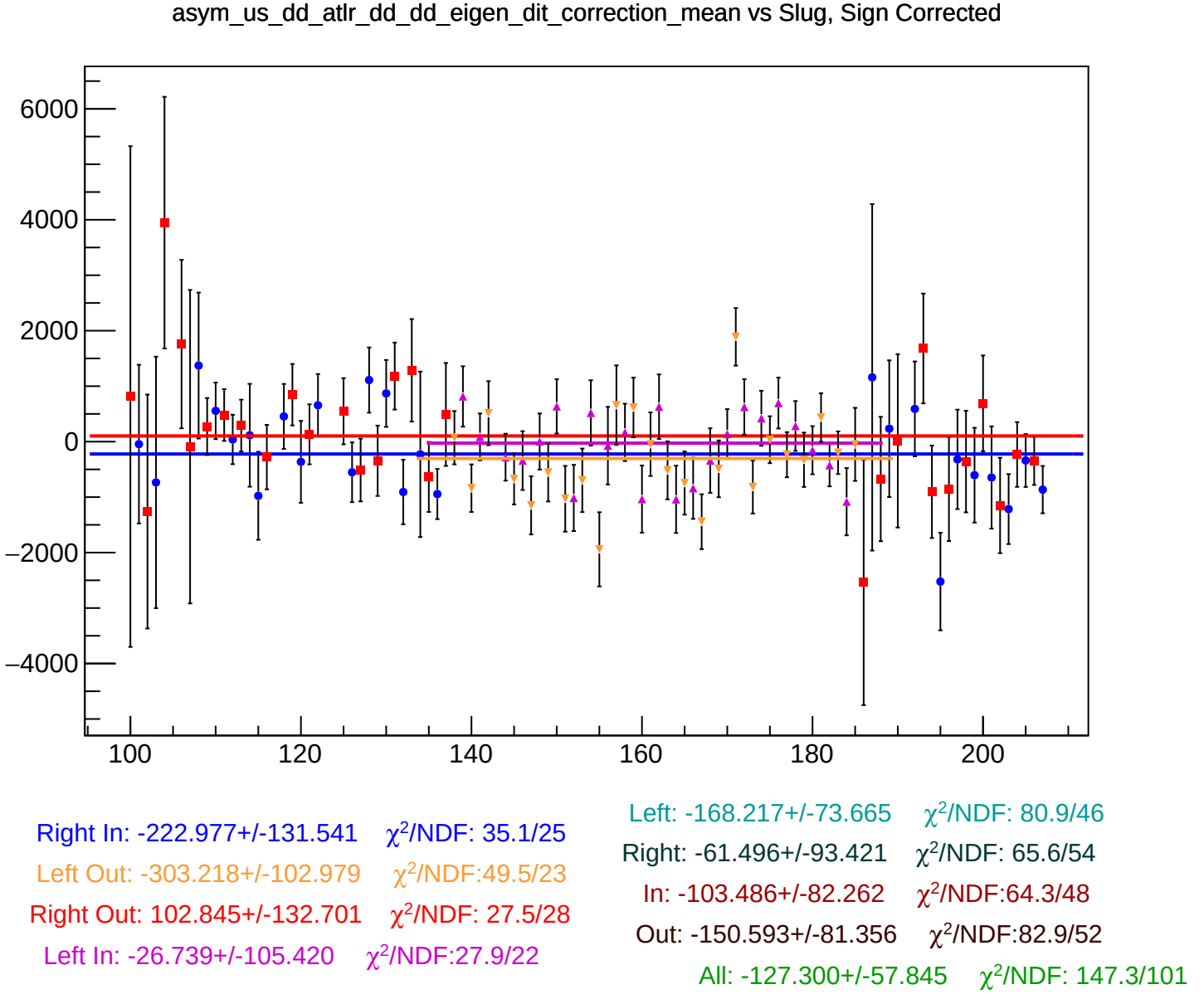
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1116.769+/-0.144 χ^2/NDF: 898908.0/54

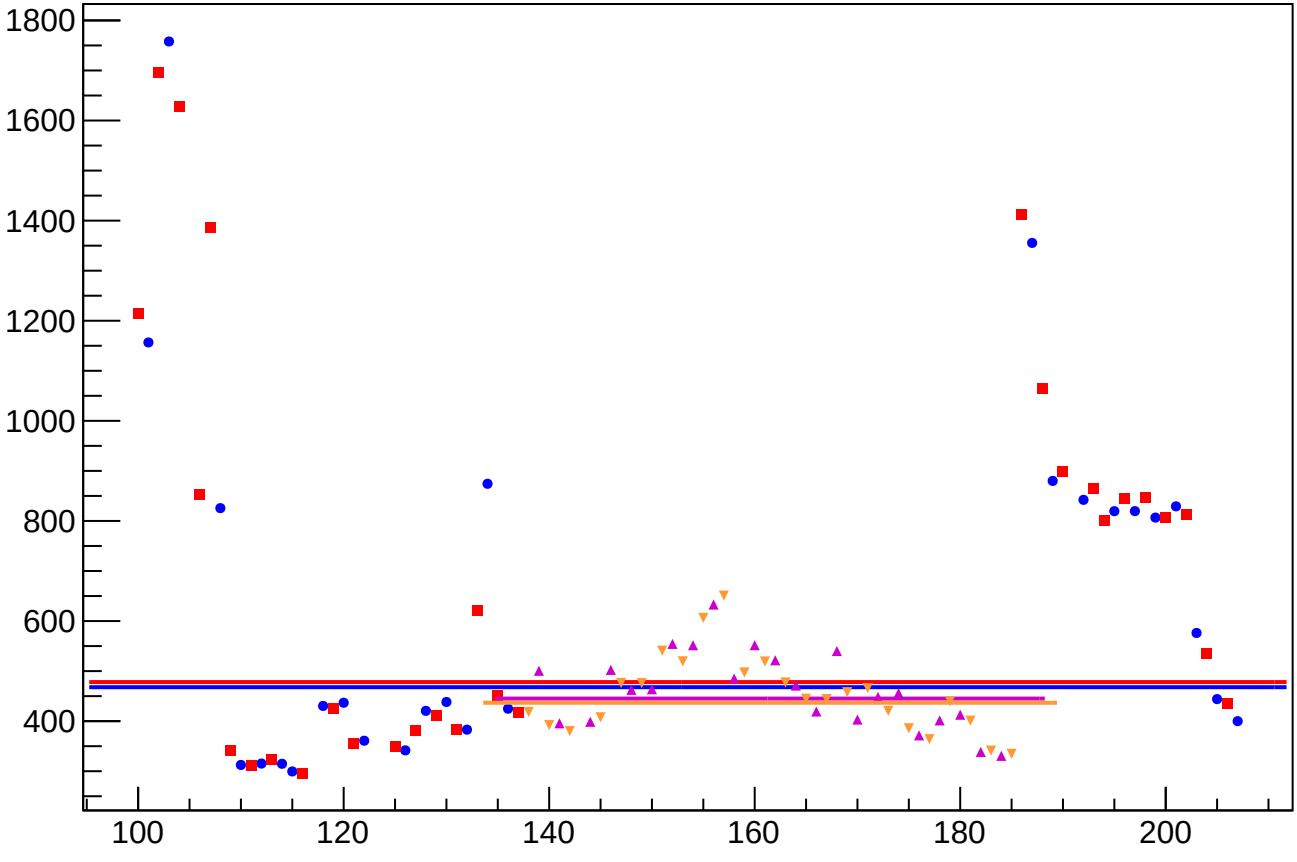
In: 1104.270+/-0.136 χ^2/NDF:685319.3/48

Out: 1110.304+/-0.134 χ^2/NDF:313942.5/52

All: 1107.325+/-0.096 χ^2/NDF: 1000258.3/10


asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -222.977+/-131.541 χ²/NDF: 35.1/25
Left Out: -303.218+/-102.979 χ²/NDF:49.5/23
Right Out: 102.845+/-132.701 χ²/NDF: 27.5/28
Left In: -26.739+/-105.420 χ²/NDF:27.9/22
Left: -168.217+/-73.665 χ²/NDF: 80.9/46
Right: -61.496+/-93.421 χ²/NDF: 65.6/54
In: -103.486+/-82.262 χ²/NDF:64.3/48
Out: -150.593+/-81.356 χ²/NDF:82.9/52
All: -127.300+/-57.845 χ²/NDF: 147.3/101

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 467.867+/-0.093 χ^2/NDF: 4377334.4/25

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

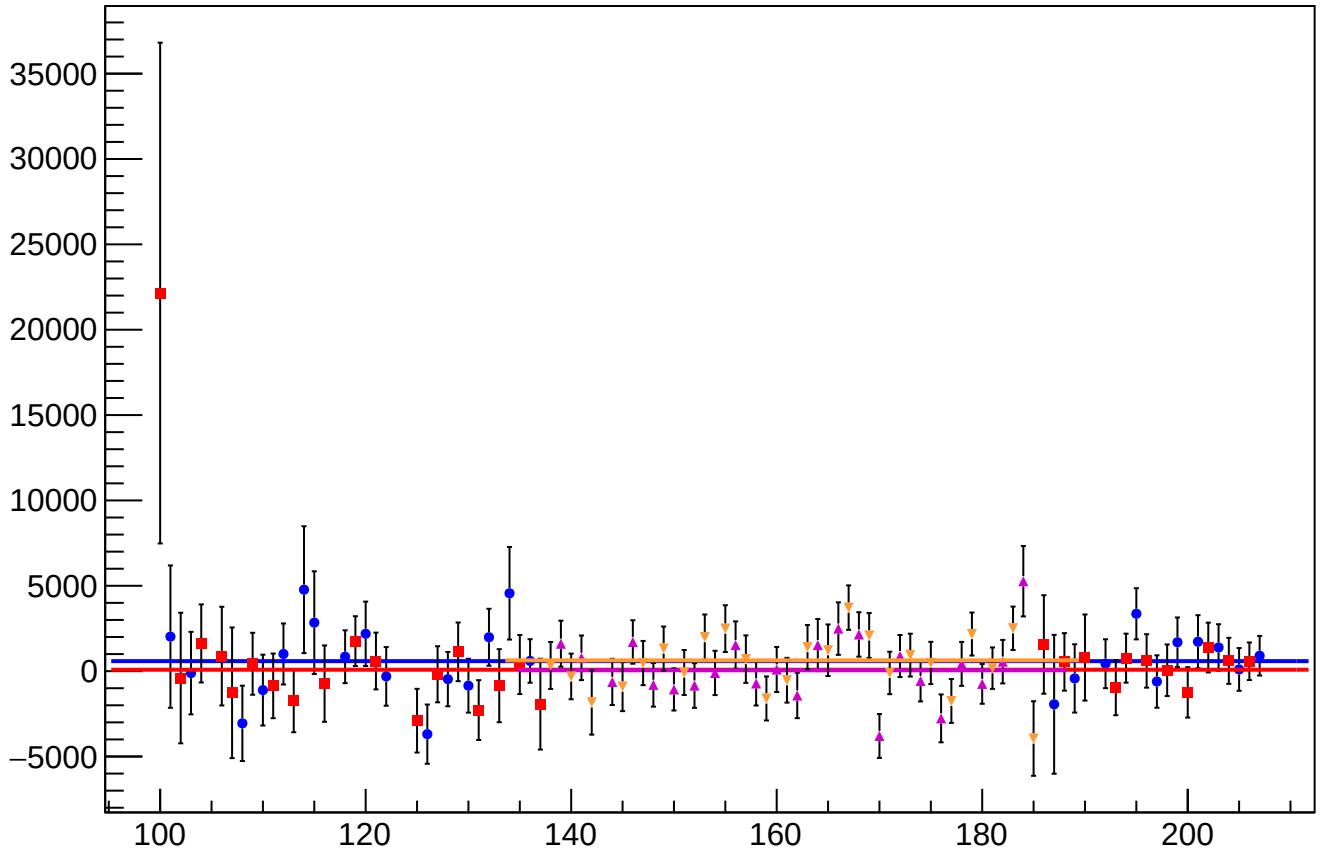
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 472.924+/-0.066 χ^2/NDF: 10079367.5/54

In: 454.009+/-0.058 χ^2/NDF:5288357.0/48

Out: 452.304+/-0.058 χ^2/NDF:6672124.0/52

All: 453.147+/-0.041 χ^2/NDF: 11960915.3/10



Right In: 586.245+/-334.854 χ^2/NDF: 23.1/25

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

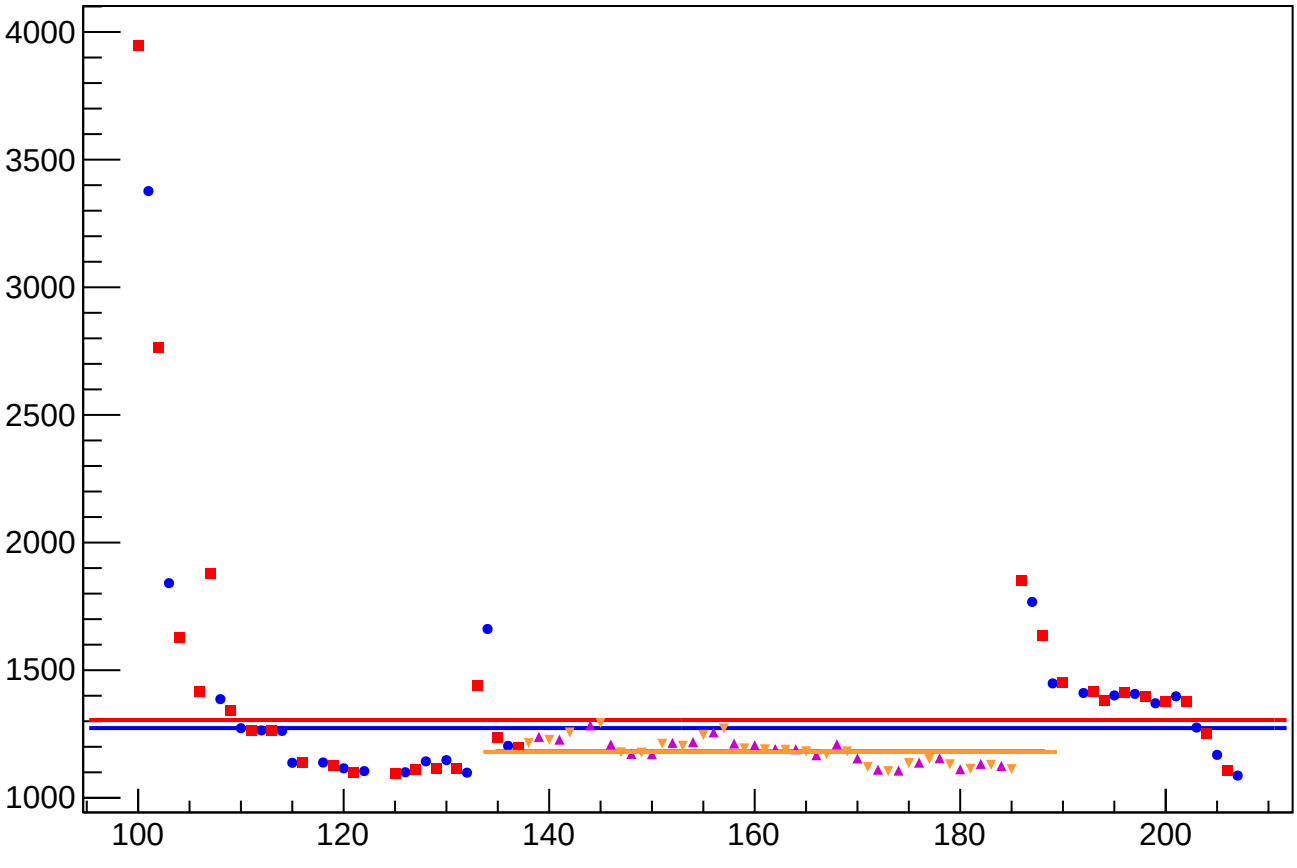
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 332.913+/-236.017 χ^2/NDF: 38.7/54

In: 267.628+/-213.076 χ^2/NDF:59.6/48

Out: 410.522+/-211.537 χ^2/NDF:46.2/52

All: 339.593+/-150.120 χ^2/NDF: 106.1/101



Right In: 1273.367+/-0.237 χ^2/NDF: 972838.0/25

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

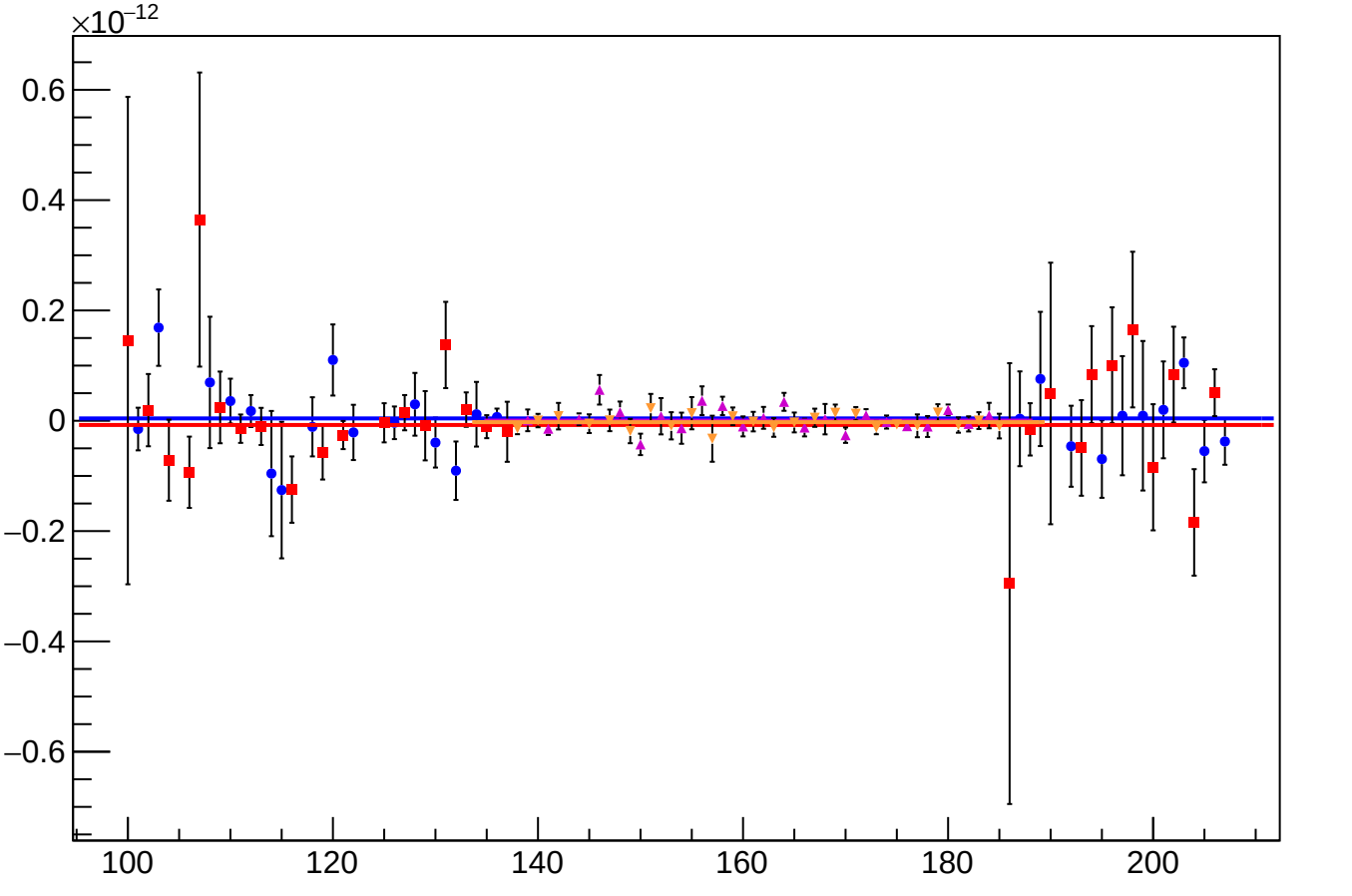
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1289.276+/-0.167 χ^2/NDF: 1881540.8/54

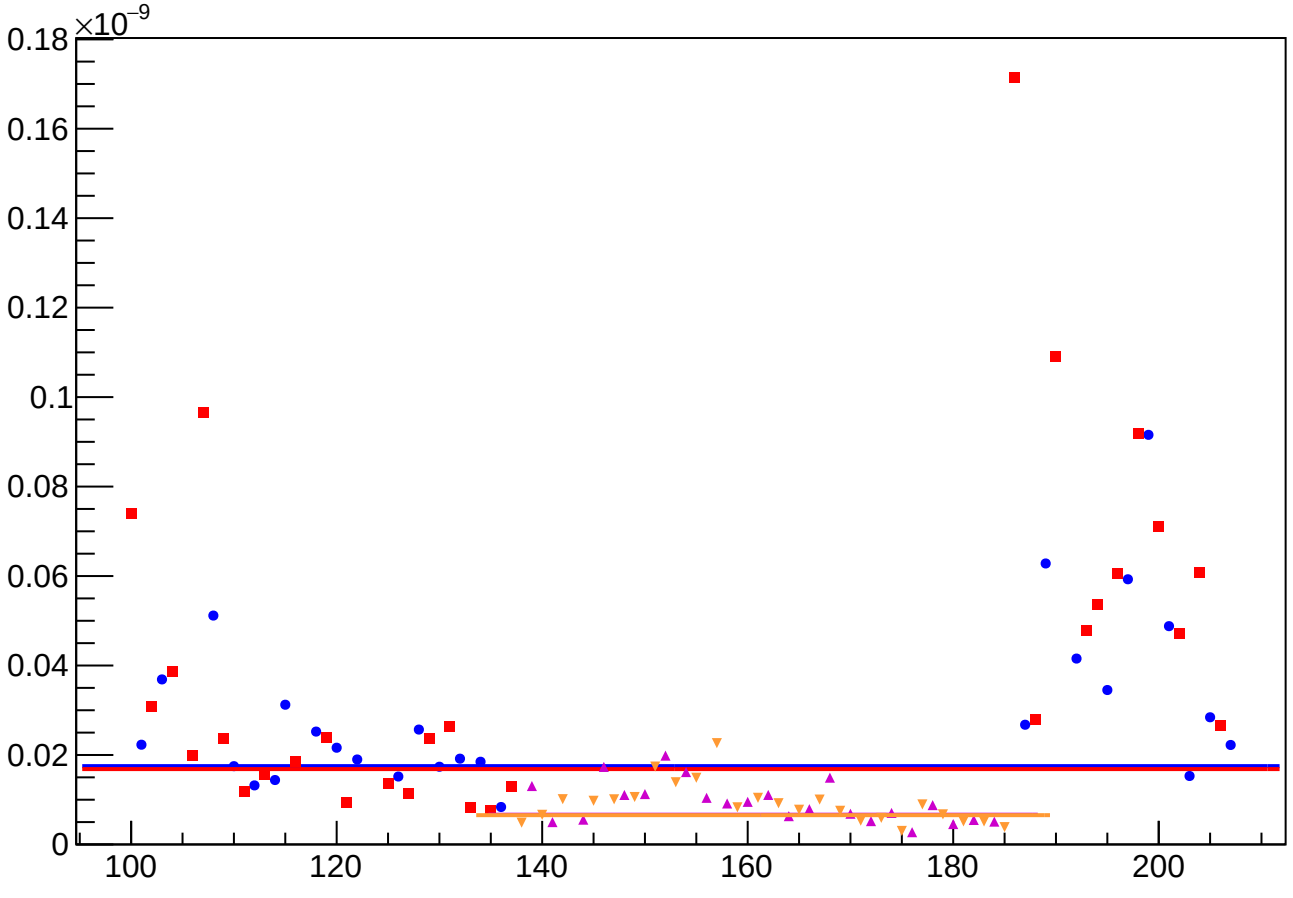
In: 1218.953+/-0.151 χ^2/NDF:1121941.9/48

Out: 1230.351+/-0.150 χ^2/NDF:1133307.9/52

All: 1224.693+/-0.106 χ^2/NDF: 2258131.7/10


asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.2/25
Left Out: -0.000+/-0.000 χ²/NDF:10.5/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.5/28
Left In: 0.000+/-0.000 χ²/NDF:32.5/22
Left: -0.000+/-0.000 χ²/NDF: 43.4/46
Right: -0.000+/-0.000 χ²/NDF: 52.6/54
In: 0.000+/-0.000 χ²/NDF:57.9/48
Out: -0.000+/-0.000 χ²/NDF:37.2/52
All: -0.000+/-0.000 χ²/NDF: 96.0/101

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3123687.2/25

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

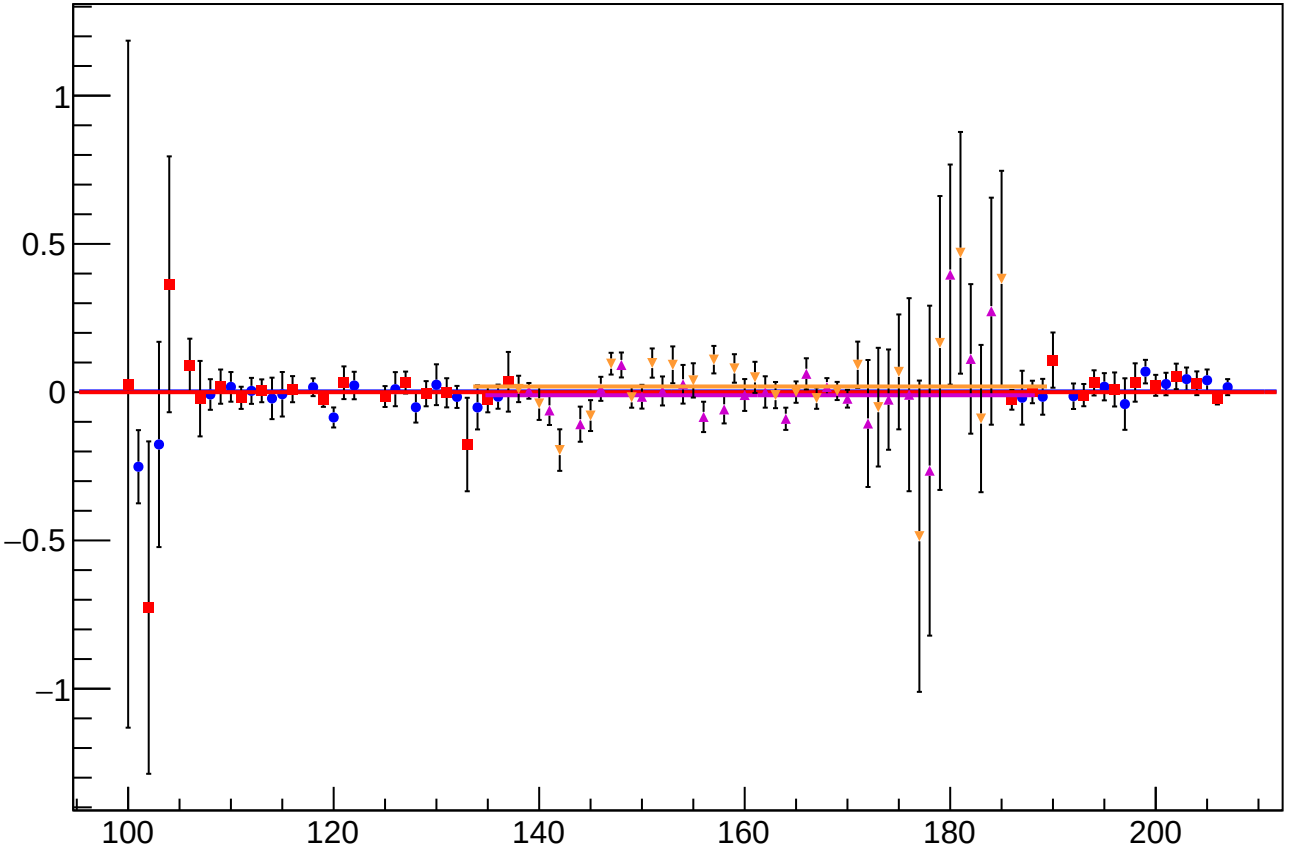
Right: 0.000+/-0.000 χ^2/NDF: 8070999.0/54

In: 0.000+/-0.000 χ^2/NDF:8388126.4/48

Out: 0.000+/-0.000 χ^2/NDF:9762454.2/52

All: 0.000+/-0.000 χ^2/NDF: 18154544.2/101

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.009 χ^2/NDF: 20.5/25

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

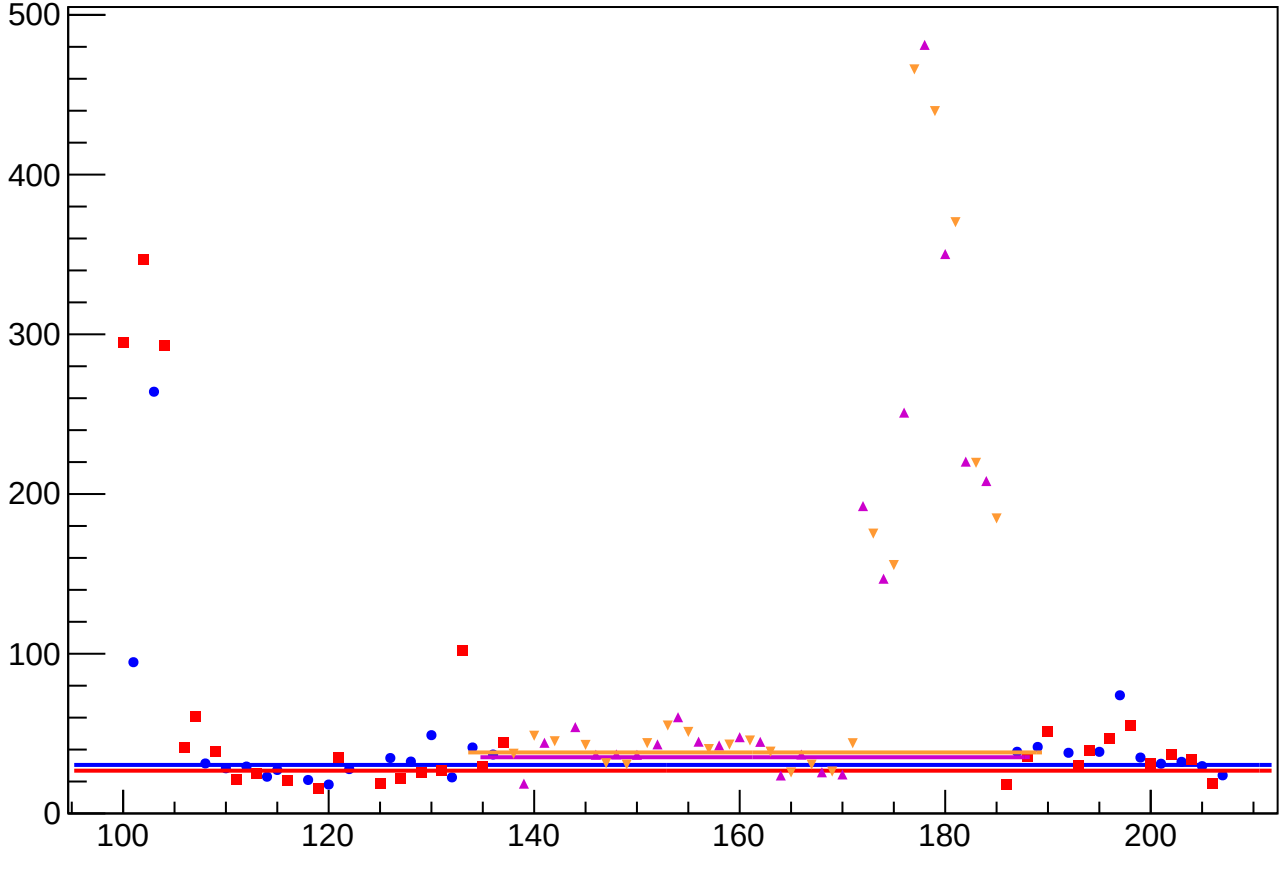
Right: 0.001+/-0.006 χ^2/NDF: 34.8/54

In: -0.003+/-0.007 χ^2/NDF:45.0/48

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.3/101

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.388+/-0.006 χ^2/NDF: 3162596.7/25

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

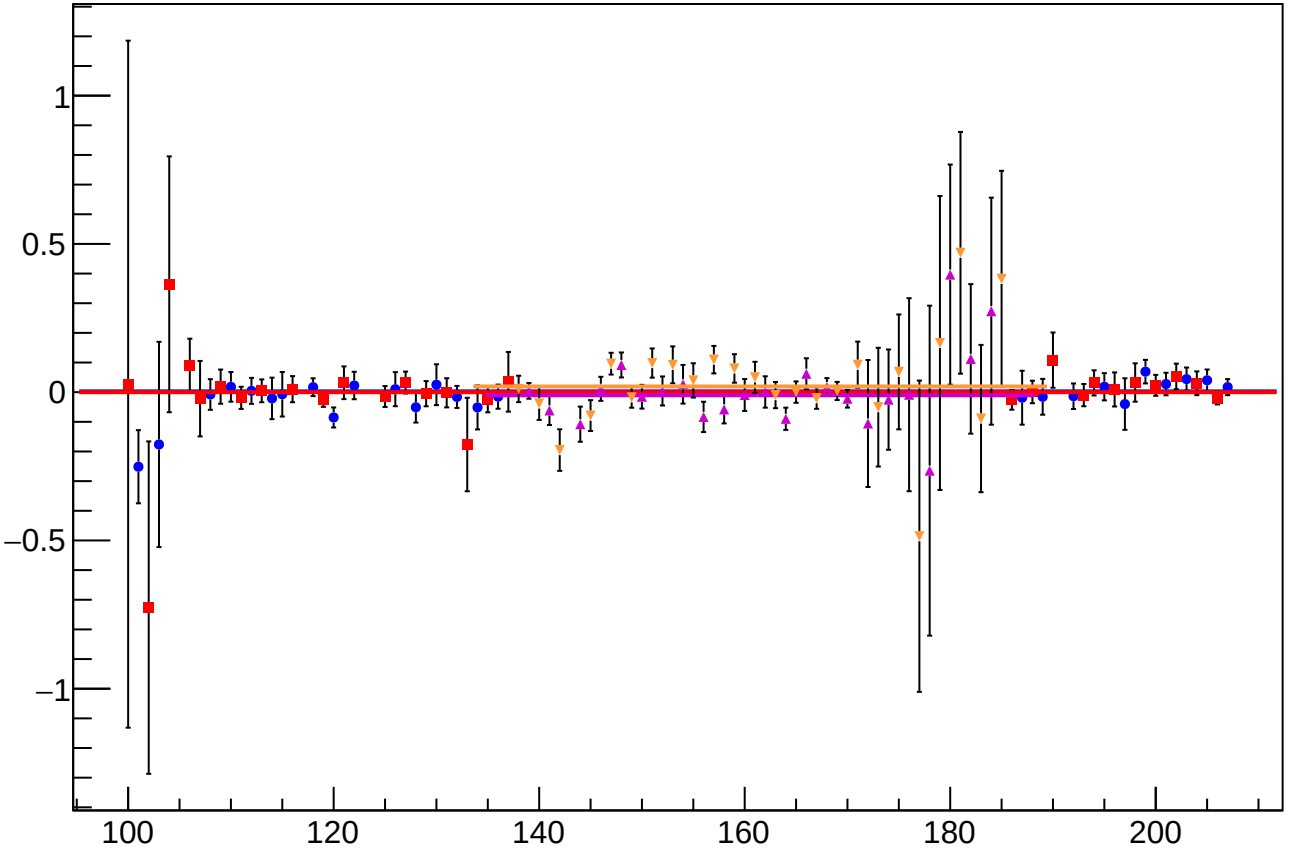
Right: 28.385+/-0.004 χ^2/NDF: 8036167.2/54

In: 32.487+/-0.005 χ^2/NDF:12800693.7/48

Out: 30.878+/-0.005 χ^2/NDF:14416457.8/52

All: 31.645+/-0.003 χ^2/NDF: 27276112.5/101

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.009 χ^2/NDF: 20.5/25

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

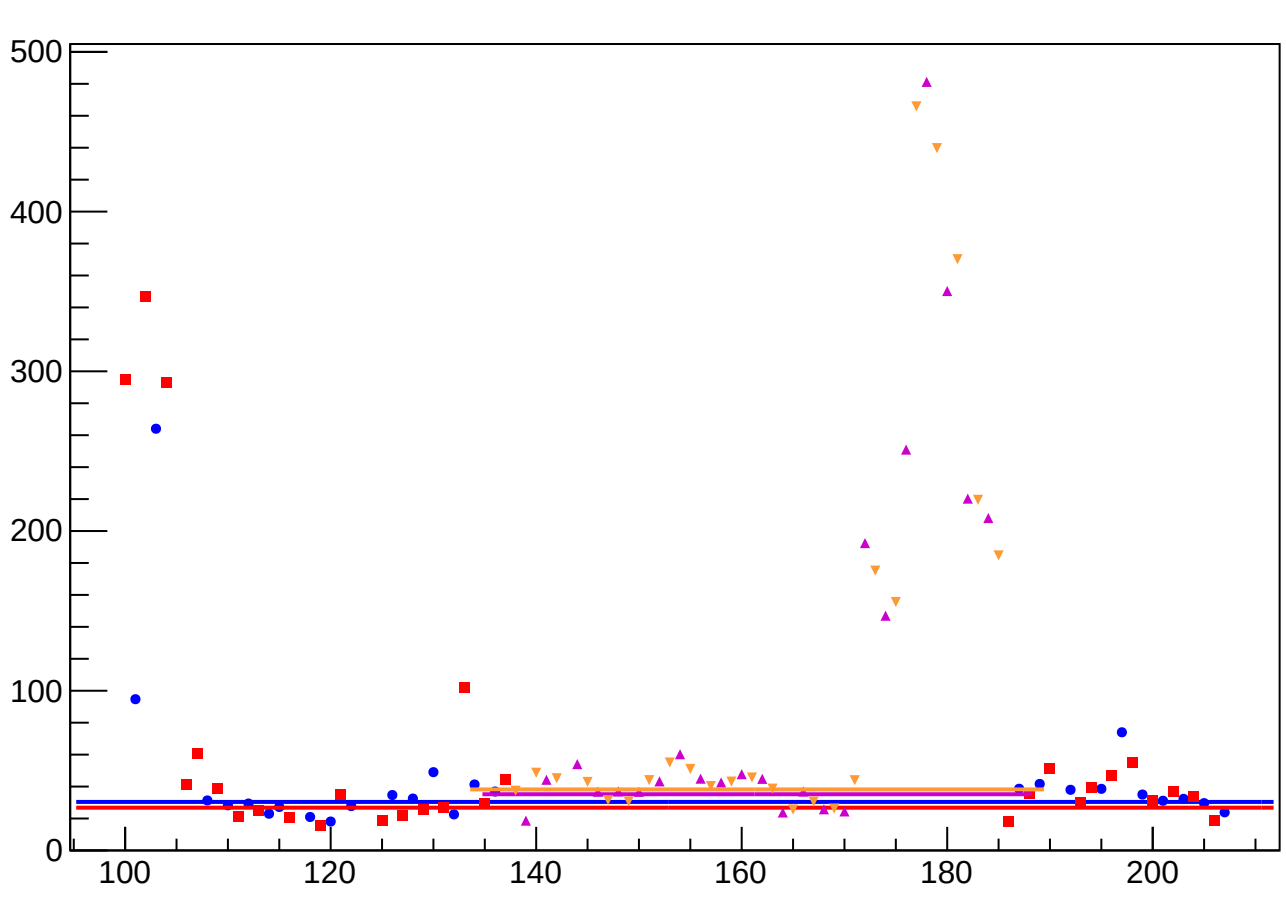
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.001+/-0.006 χ^2/NDF: 34.8/54

In: -0.003+/-0.007 χ^2/NDF:45.0/48

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.3/101



Right In: 30.388+/-0.006 χ^2/NDF: 3162596.7/25

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

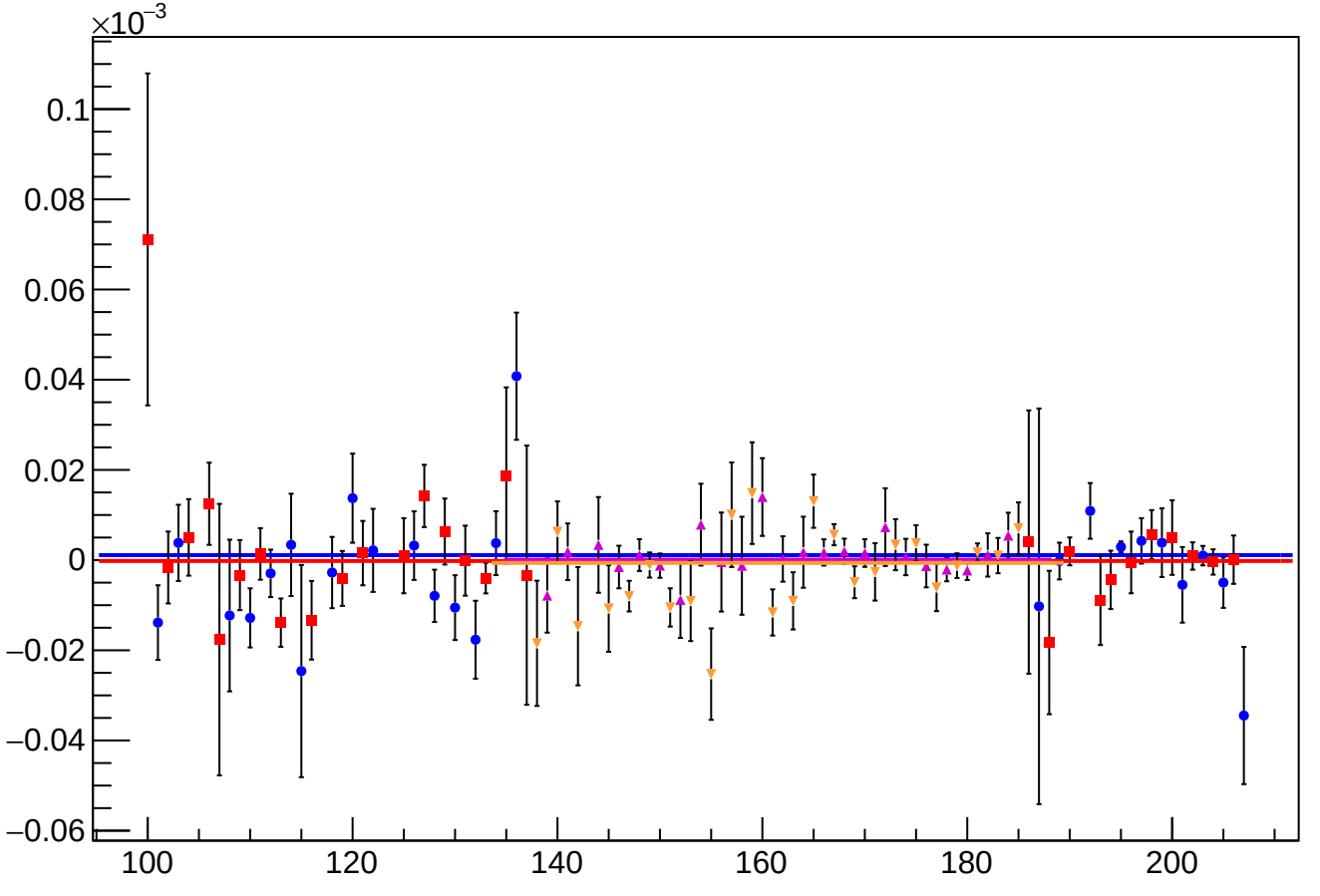
Right: 28.385+/-0.004 χ^2/NDF: 8036167.2/54

In: 32.487+/-0.005 χ^2/NDF:12800693.7/48

Out: 30.878+/-0.005 χ^2/NDF:14416457.8/52

All: 31.645+/-0.003 χ^2/NDF: 27276112.5/101

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 42.8/25

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

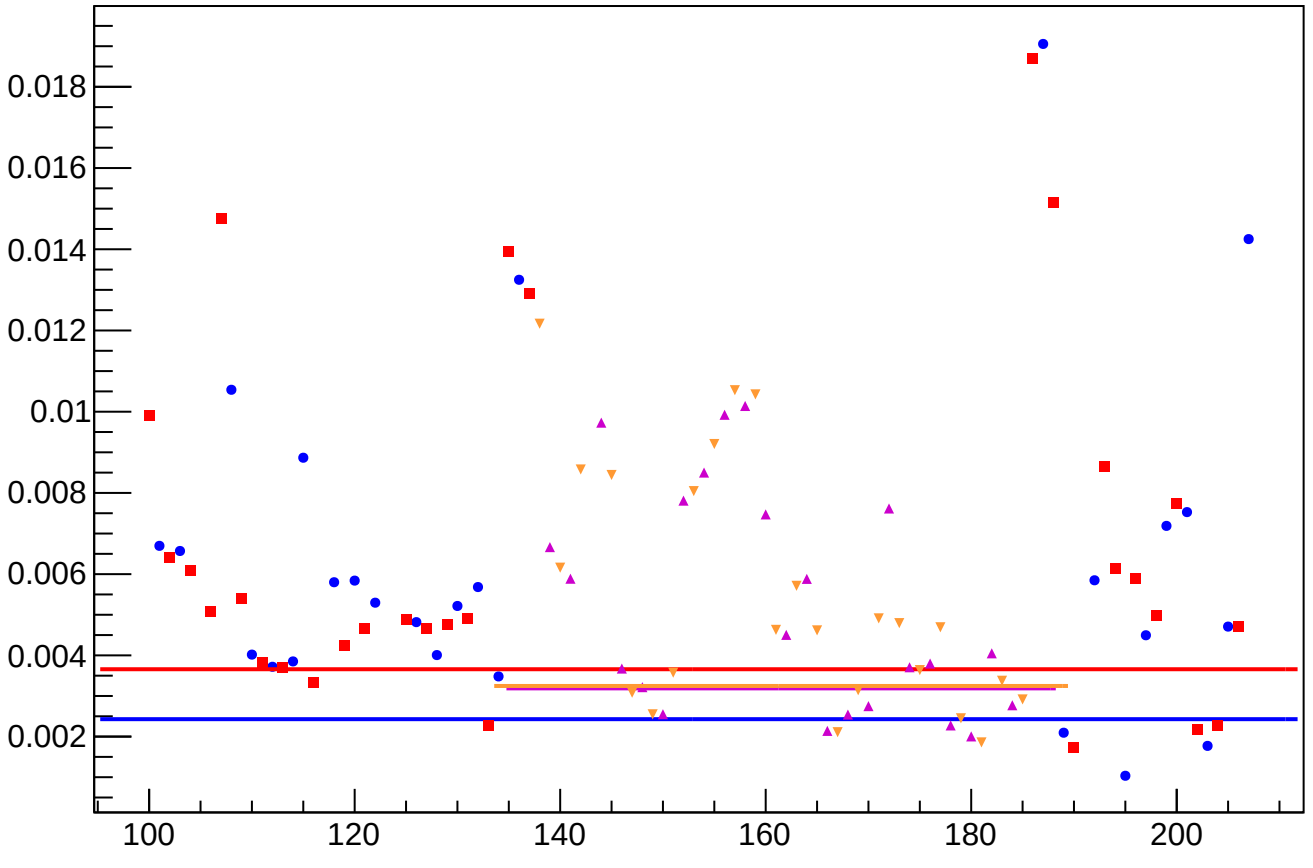
Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

Right: 0.000+/-0.000 χ^2/NDF: 71.7/54

In: 0.000+/-0.000 χ^2/NDF:54.5/48

Out: -0.000+/-0.000 χ^2/NDF:79.3/52

All: 0.000+/-0.000 χ^2/NDF: 135.1/101



Right In: 0.002+/-0.000 χ^2/NDF: 11956008.8/25

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

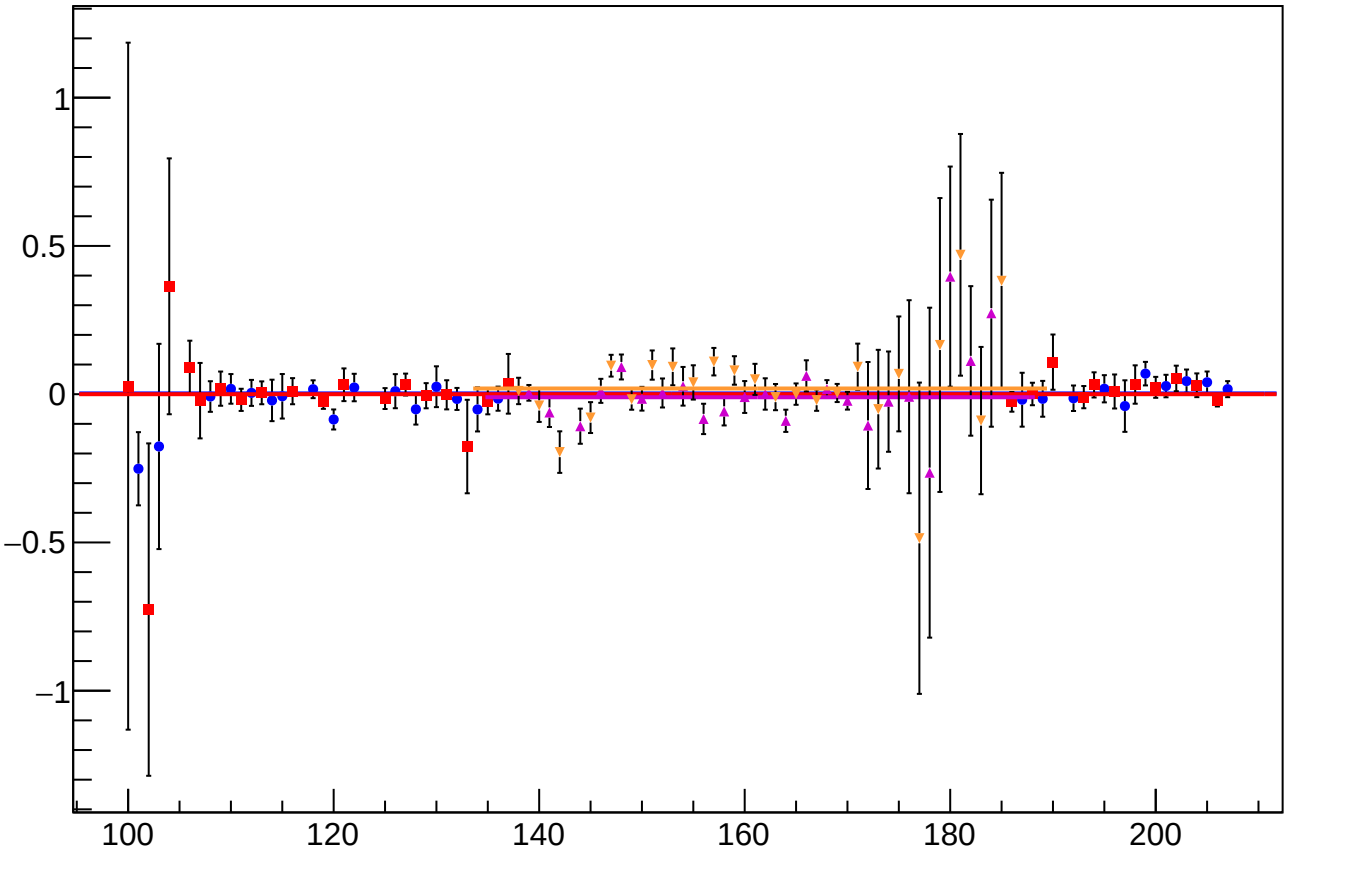
Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

Right: 0.003+/-0.000 χ^2/NDF: 20736920.8/54

In: 0.003+/-0.000 χ^2/NDF:20027078.5/48

Out: 0.003+/-0.000 χ^2/NDF:15147911.3/52

All: 0.003+/-0.000 χ^2/NDF: 36016199.6/101



Right In: 0.003+/-0.009 χ^2/NDF: 20.5/25

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

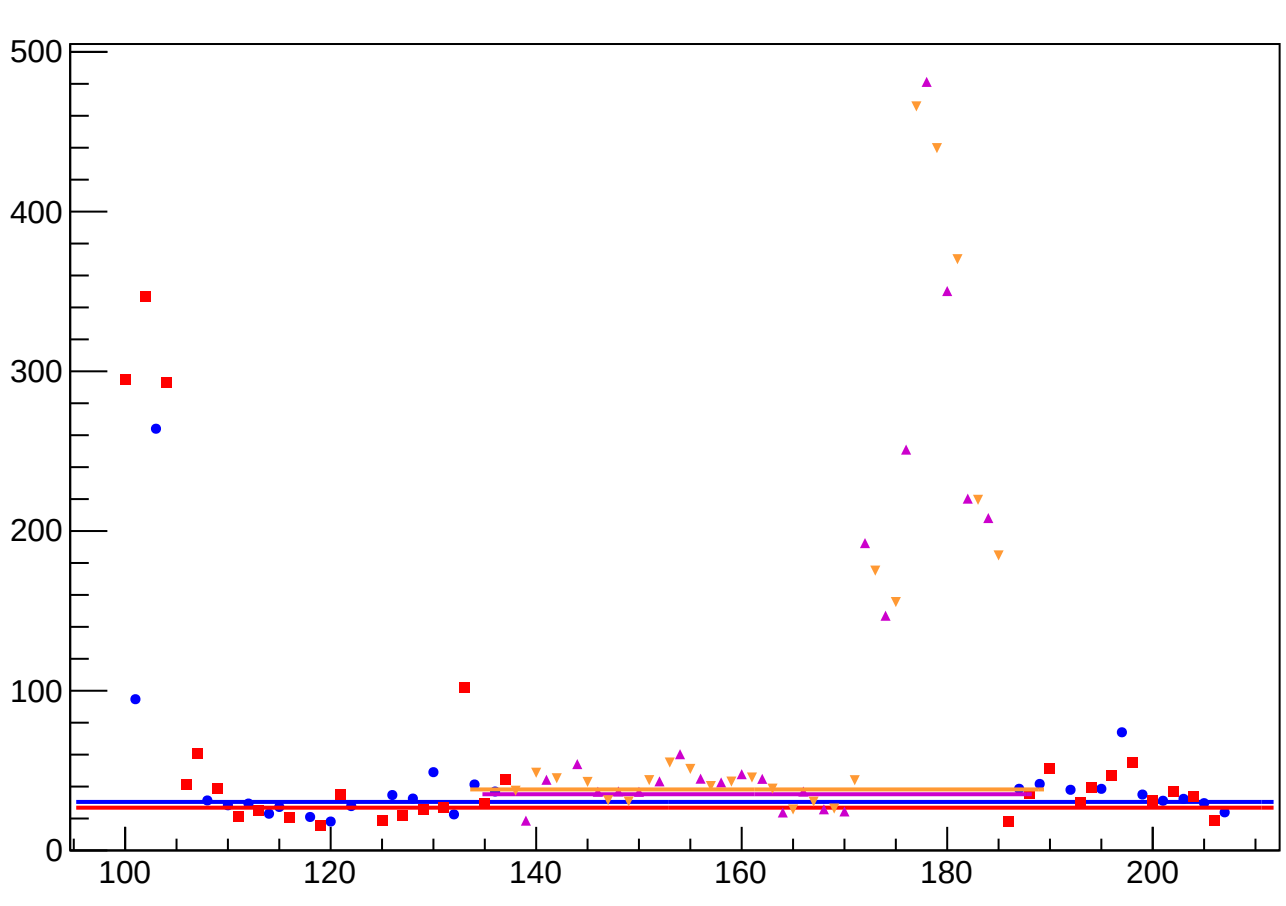
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.001+/-0.006 χ^2/NDF: 34.8/54

In: -0.003+/-0.007 χ^2/NDF:45.0/48

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.3/101



Right In: 30.388+/-0.006 χ^2/NDF: 3162738.6/25

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

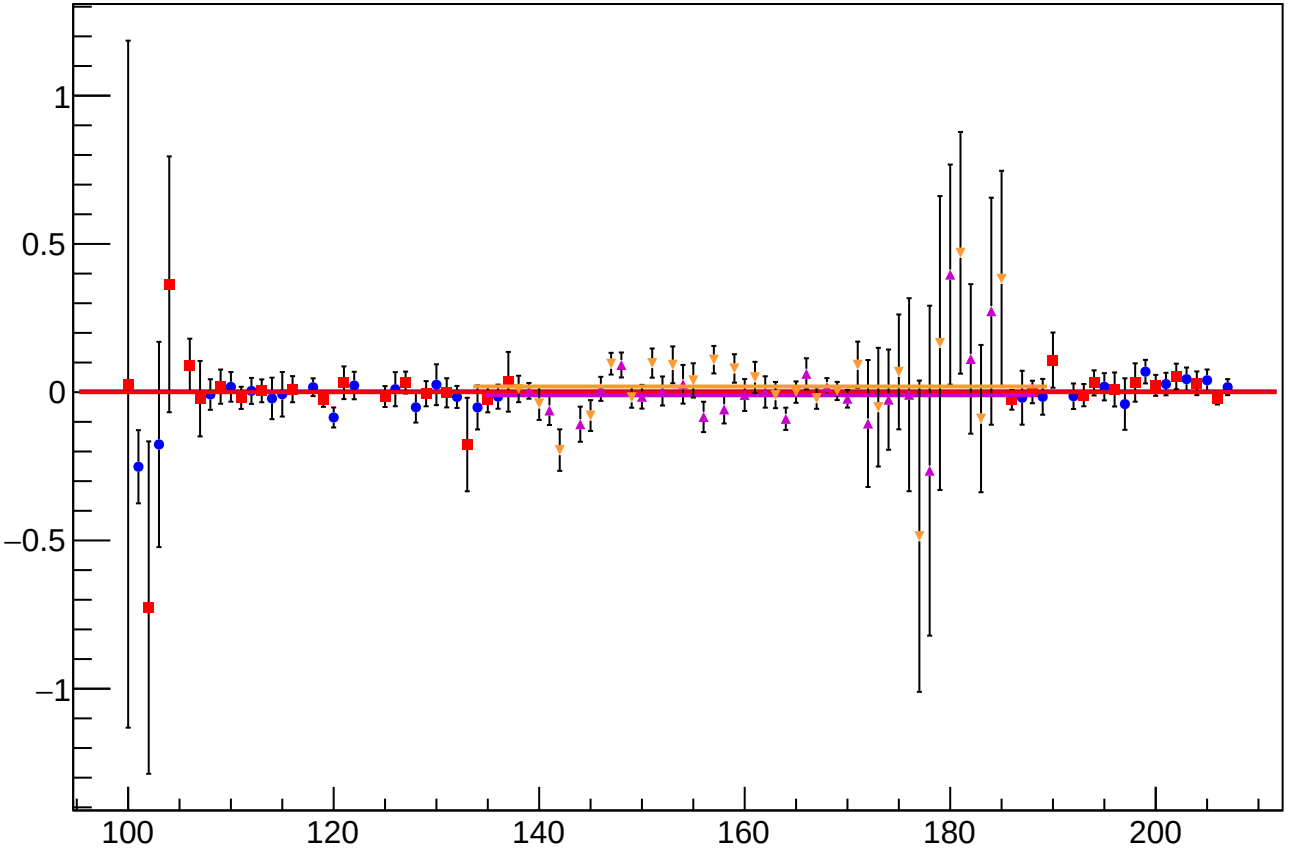
Right: 28.383+/-0.004 χ^2/NDF: 8036620.7/54

In: 32.486+/-0.005 χ^2/NDF:12801330.4/48

Out: 30.877+/-0.005 χ^2/NDF:14417207.2/52

All: 31.644+/-0.003 χ^2/NDF: 27277548.4/101

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.009 χ^2/NDF: 20.5/25

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

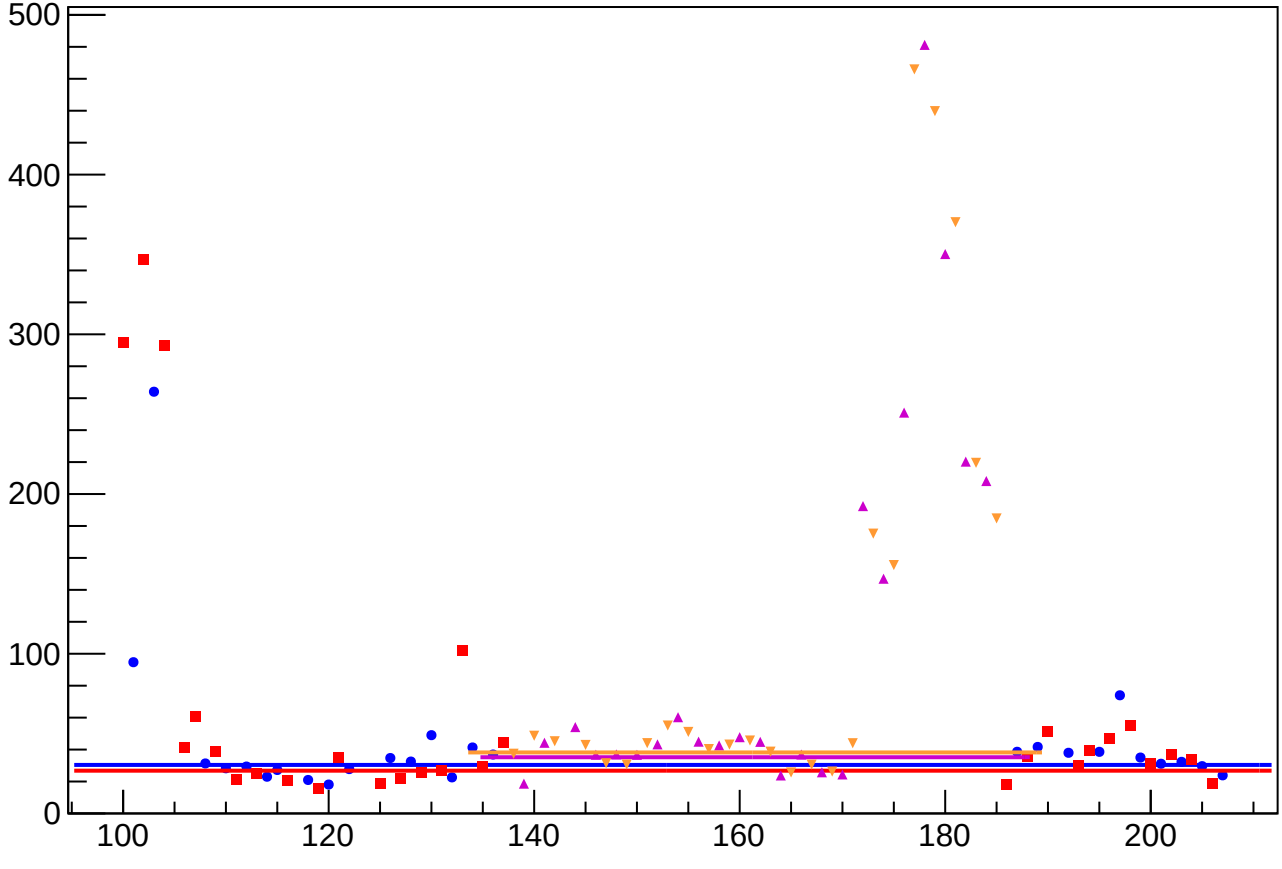
Right: 0.001+/-0.006 χ^2/NDF: 34.8/54

In: -0.003+/-0.007 χ^2/NDF:45.0/48

Out: 0.007+/-0.006 χ^2/NDF:52.2/52

All: 0.002+/-0.005 χ^2/NDF: 98.3/101

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.388+/-0.006 χ^2/NDF: 3162738.6/25

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

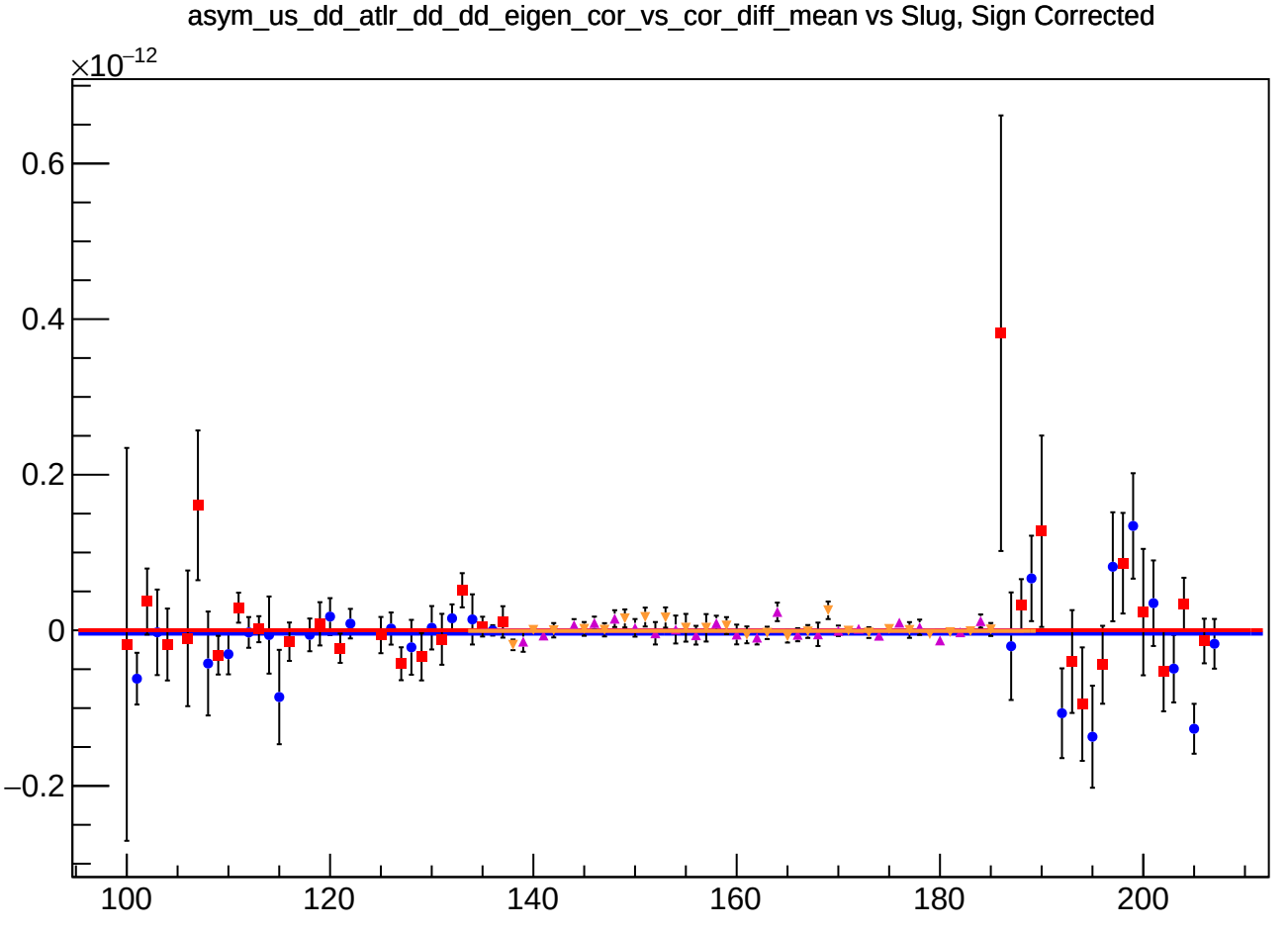
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 28.383+/-0.004 χ^2/NDF: 8036620.7/54

In: 32.486+/-0.005 χ^2/NDF:12801330.4/48

Out: 30.877+/-0.005 χ^2/NDF:14417207.2/52

All: 31.644+/-0.003 χ^2/NDF: 27277548.4/101



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/25

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

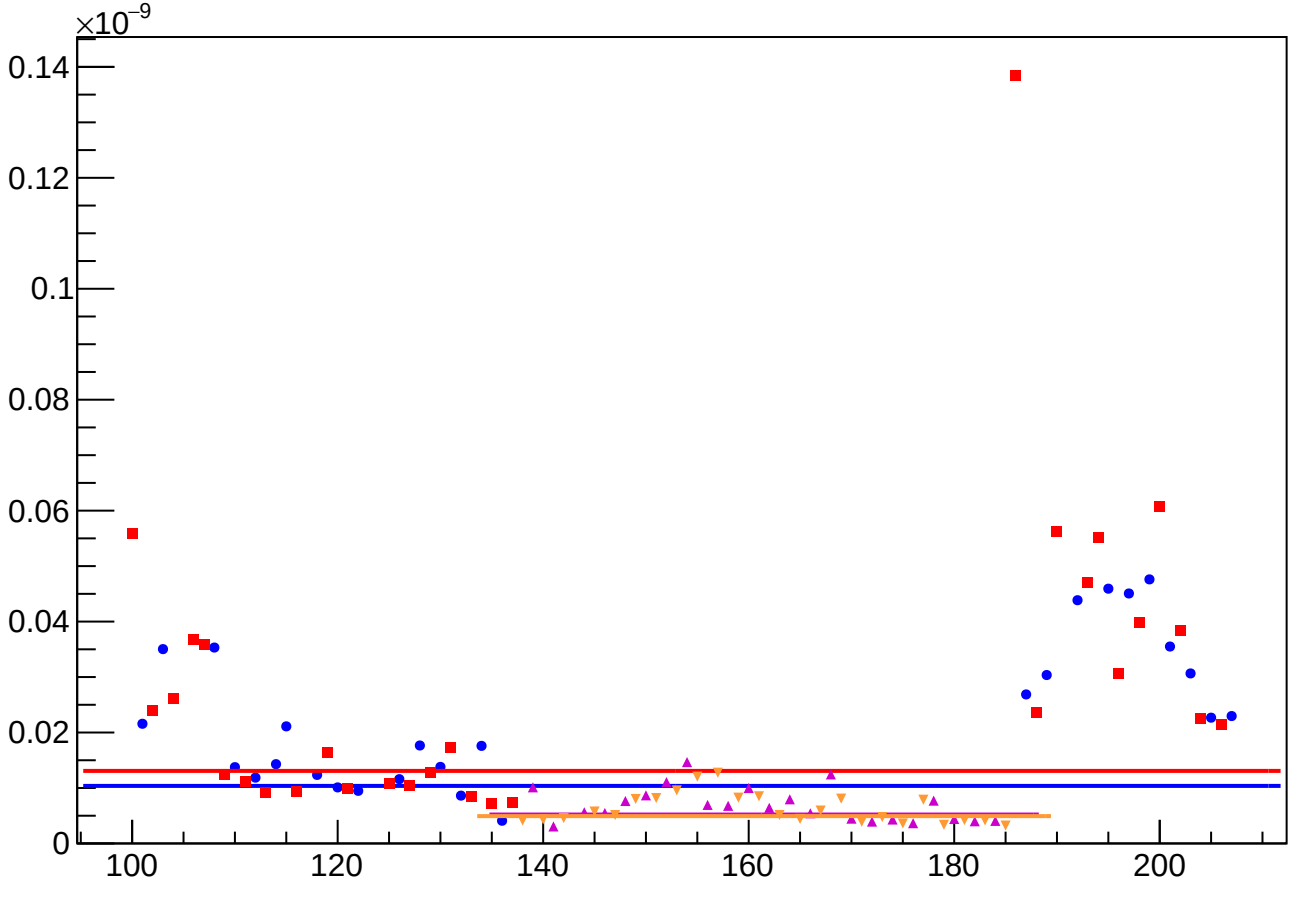
Right: -0.000+/-0.000 χ^2/NDF: 73.2/54

In: -0.000+/-0.000 χ^2/NDF:67.6/48

Out: -0.000+/-0.000 χ^2/NDF:53.1/52

All: -0.000+/-0.000 χ^2/NDF: 120.8/101

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: 7247278.2/25

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

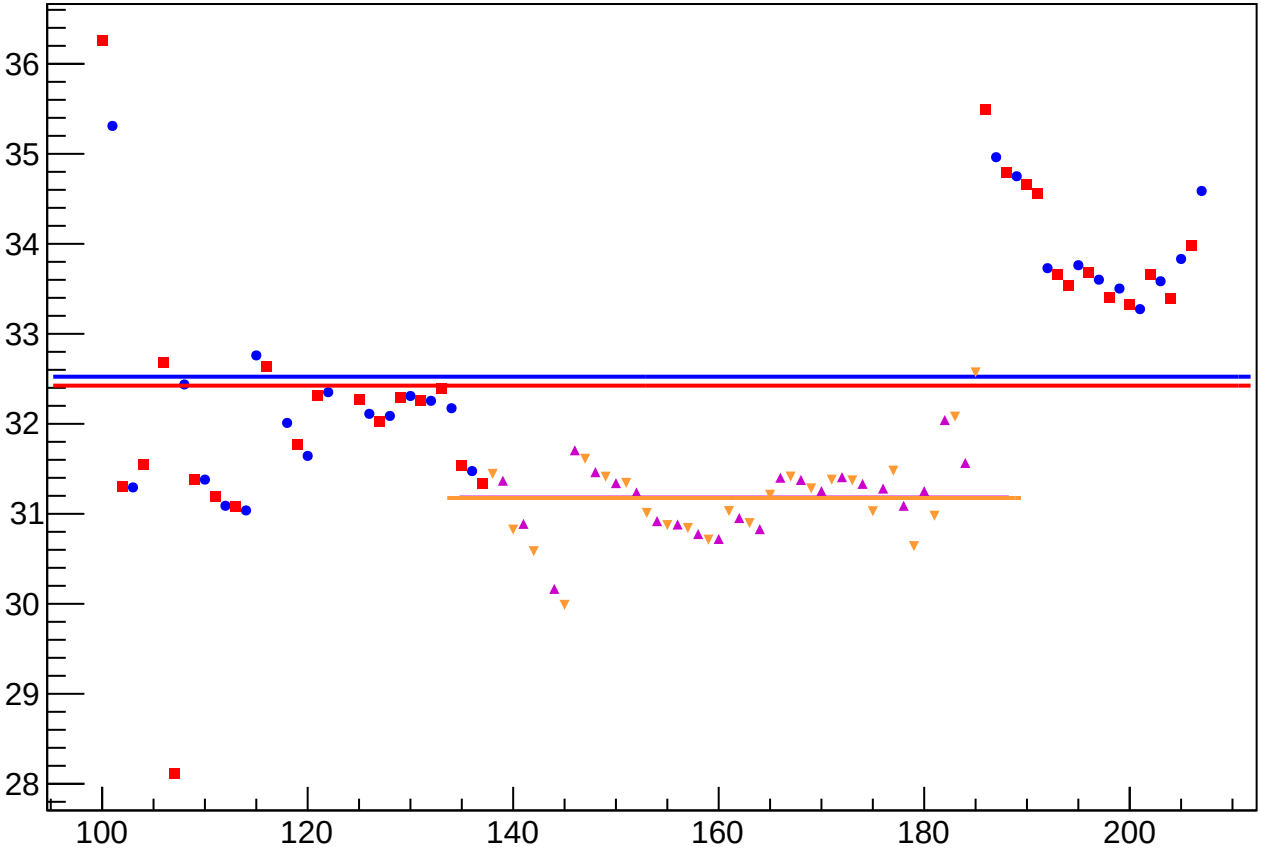
Right: 0.000+/-0.000 χ^2/NDF: 13293780.3/54

In: 0.000+/-0.000 χ^2/NDF:12963817.3/48

Out: 0.000+/-0.000 χ^2/NDF:12813553.0/52

All: 0.000+/-0.000 χ^2/NDF: 25795895.9/101

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.524+/-0.000 χ^2/NDF: 2186641134.8/25

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

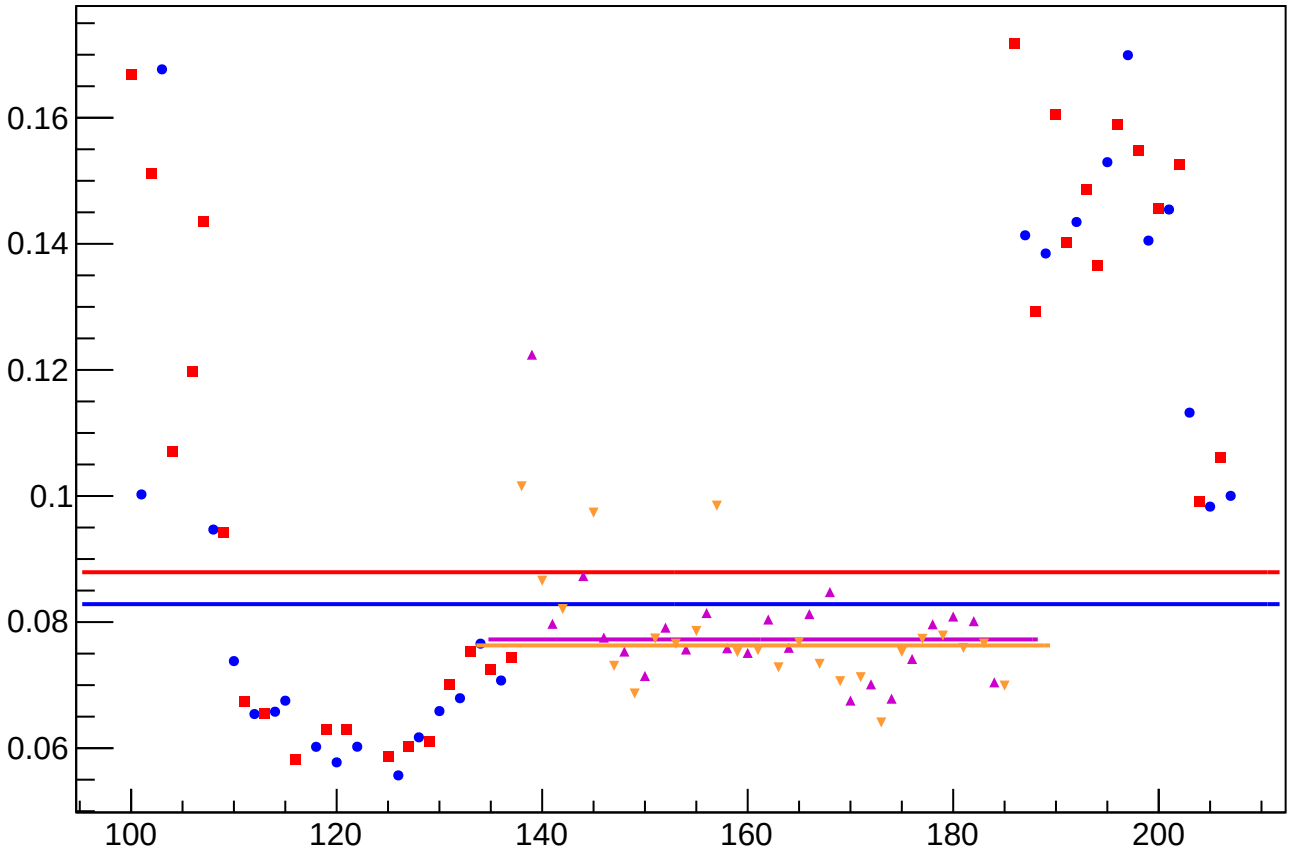
Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

Right: 32.475+/-0.000 χ^2/NDF: 4200398570.1/55

In: 31.709+/-0.000 χ^2/NDF:4529197565.6/48

Out: 31.644+/-0.000 χ^2/NDF:4218728519.1/53

All: 31.677+/-0.000 χ^2/NDF: 8757604755.3/1



Right In: 0.083+/-0.000 χ^2/NDF: 3395442.6/25

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

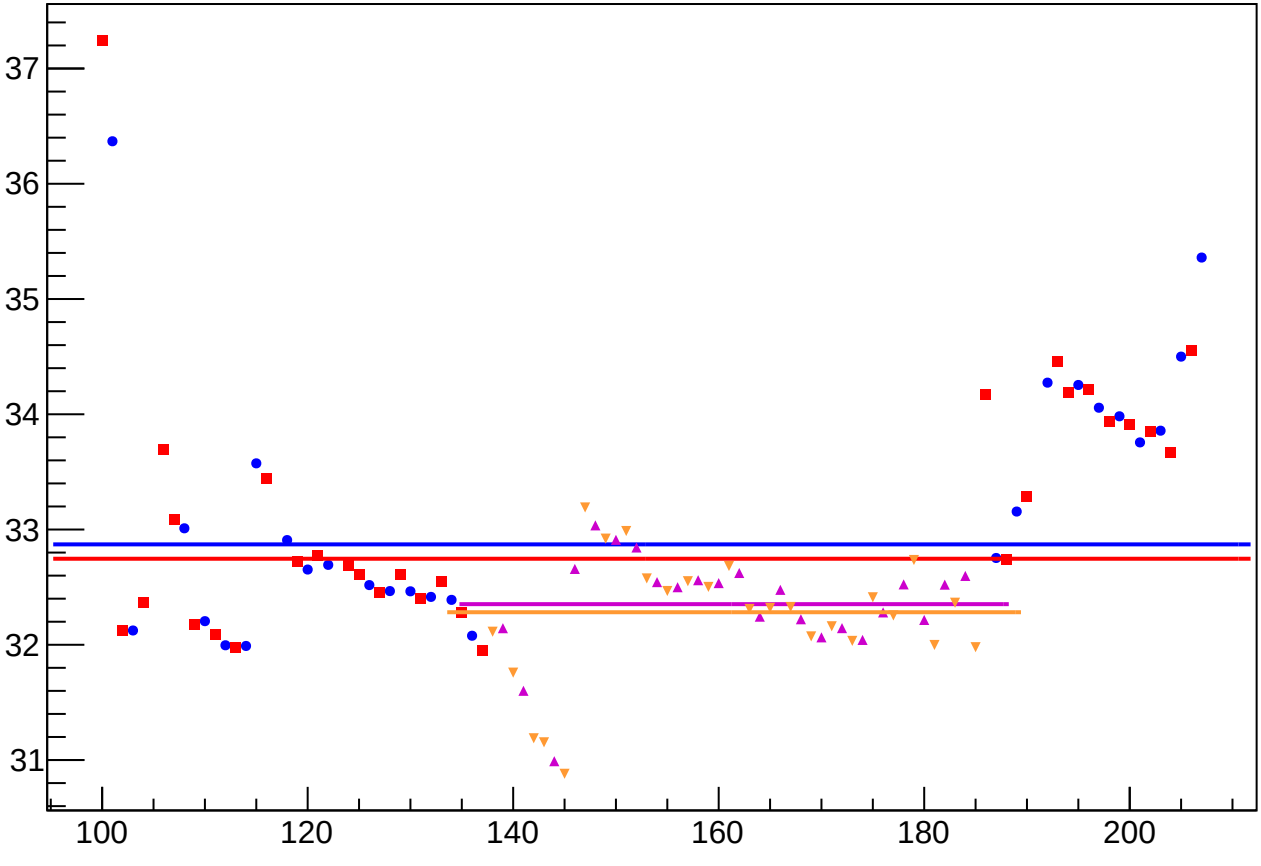
Right: 0.085+/-0.000 χ^2/NDF: 7379901.0/55

In: 0.079+/-0.000 χ^2/NDF:3829030.2/48

Out: 0.081+/-0.000 χ^2/NDF:4587390.4/53

All: 0.080+/-0.000 χ^2/NDF: 8423064.9/102

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.871+/-0.000 χ^2/NDF: 1122952461.1/25

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

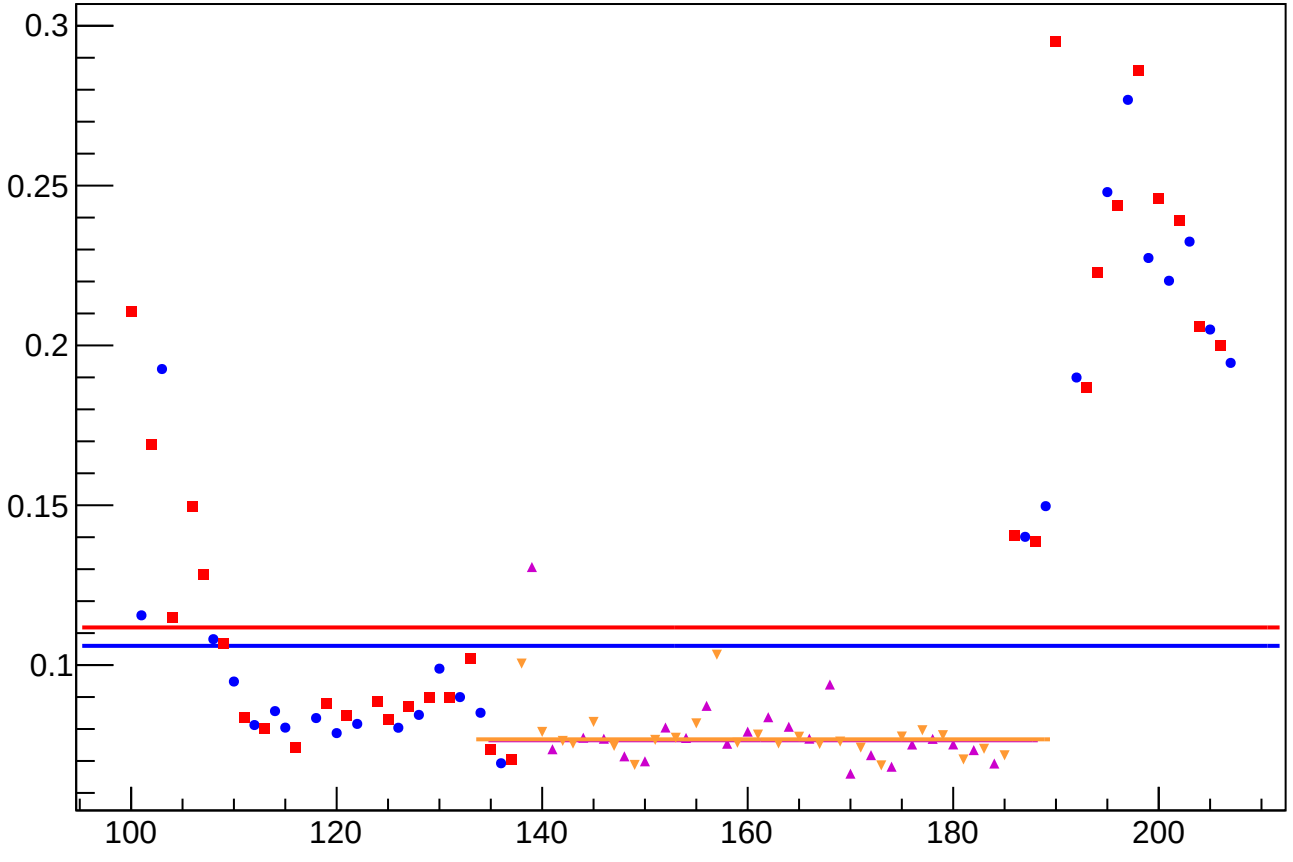
Right: 32.809+/-0.000 χ^2/NDF: 1660310781.1/55

In: 32.488+/-0.000 χ^2/NDF:1914396279.4/48

Out: 32.398+/-0.000 χ^2/NDF:1529697987.6/54

All: 32.442+/-0.000 χ^2/NDF: 3459844824.6/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.106+/-0.000 χ^2/NDF: 4994956.4/25

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

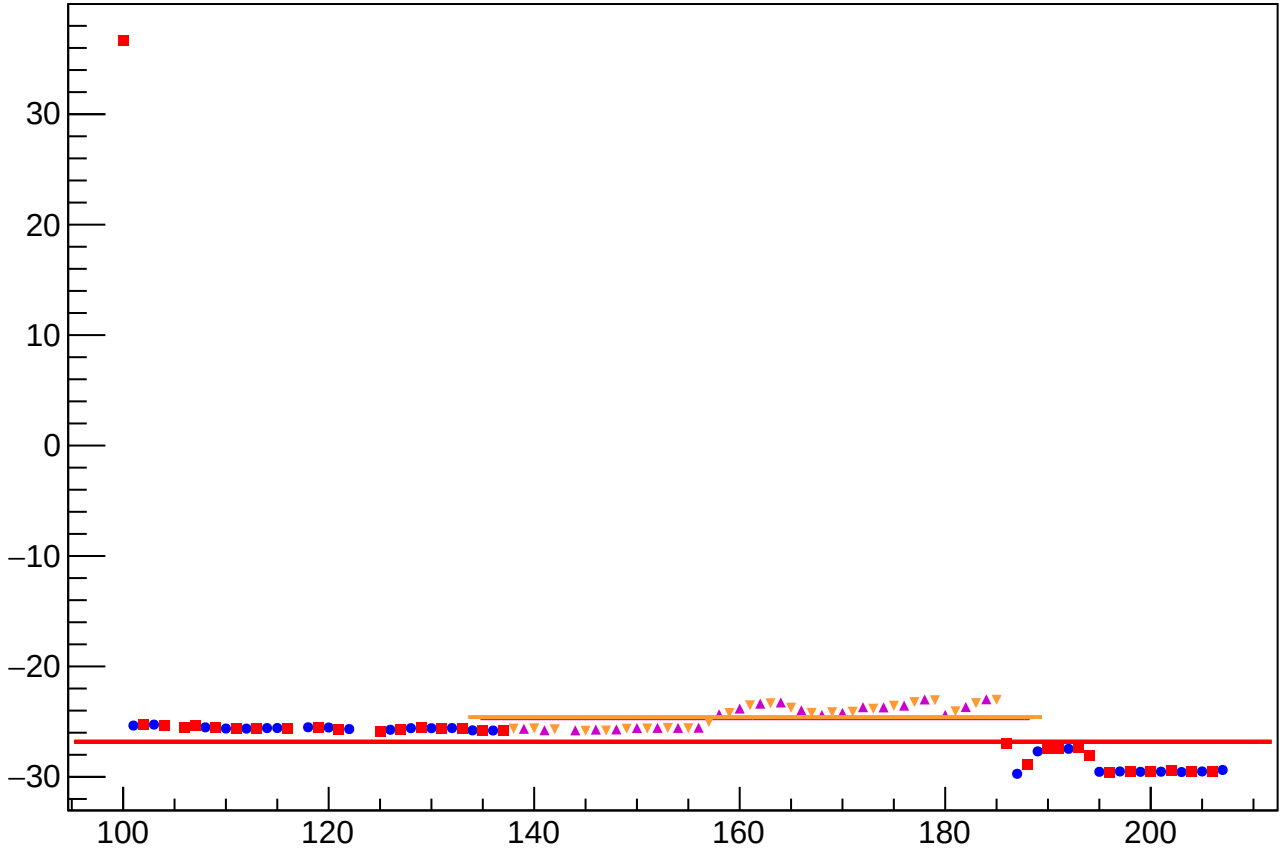
Right: 0.109+/-0.000 χ^2/NDF: 10191452.5/55

In: 0.084+/-0.000 χ^2/NDF:6785712.0/48

Out: 0.086+/-0.000 χ^2/NDF:7247707.3/54

All: 0.085+/-0.000 χ^2/NDF: 14040501.6/103

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.821+/-0.000 χ^2/NDF: 19389283304.6/25

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

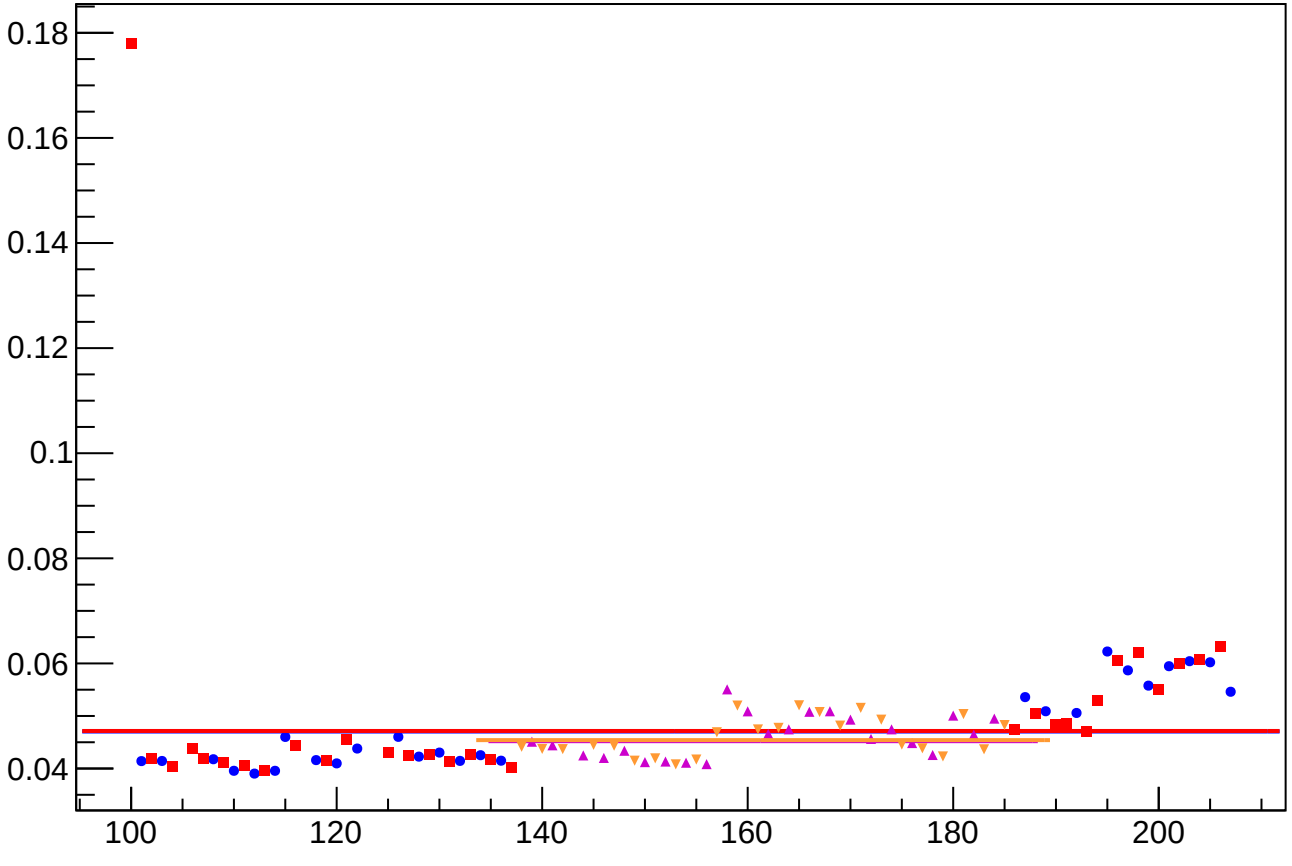
Right: -26.819+/-0.000 χ^2/NDF: 47248542909.5/55

In: -25.594+/-0.000 χ^2/NDF:45024783757.8/48

Out: -25.577+/-0.000 χ^2/NDF:56310115421.8/53

All: -25.585+/-0.000 χ^2/NDF: 101337063833

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.047+/-0.000 χ^2/NDF: 736749.8/25

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

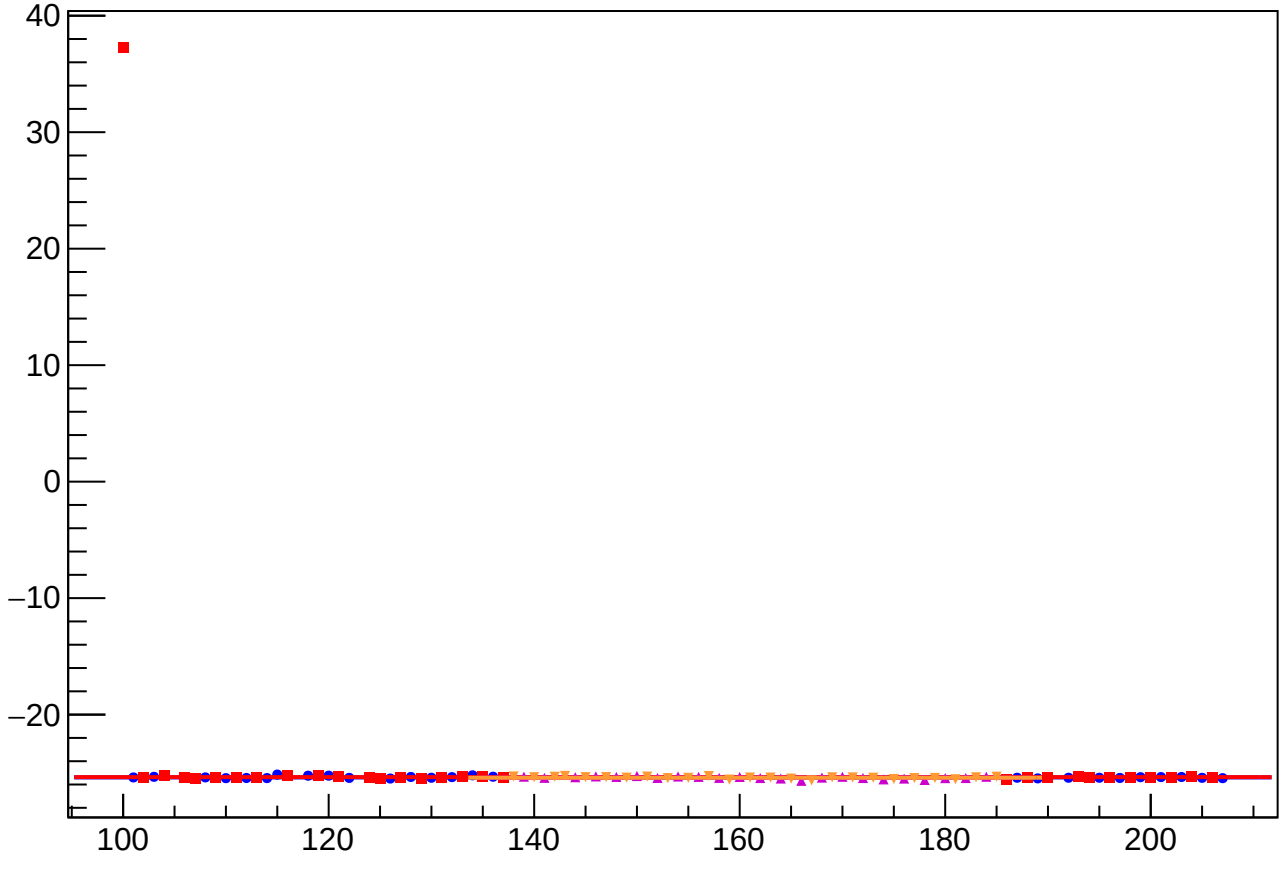
Right: 0.047+/-0.000 χ^2/NDF: 1580155.2/55

In: 0.046+/-0.000 χ^2/NDF:1006499.1/48

Out: 0.046+/-0.000 χ^2/NDF:1072395.3/53

All: 0.046+/-0.000 χ^2/NDF: 2079464.2/102

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.390+/-0.000 χ^2/NDF: 21069227.6/25

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

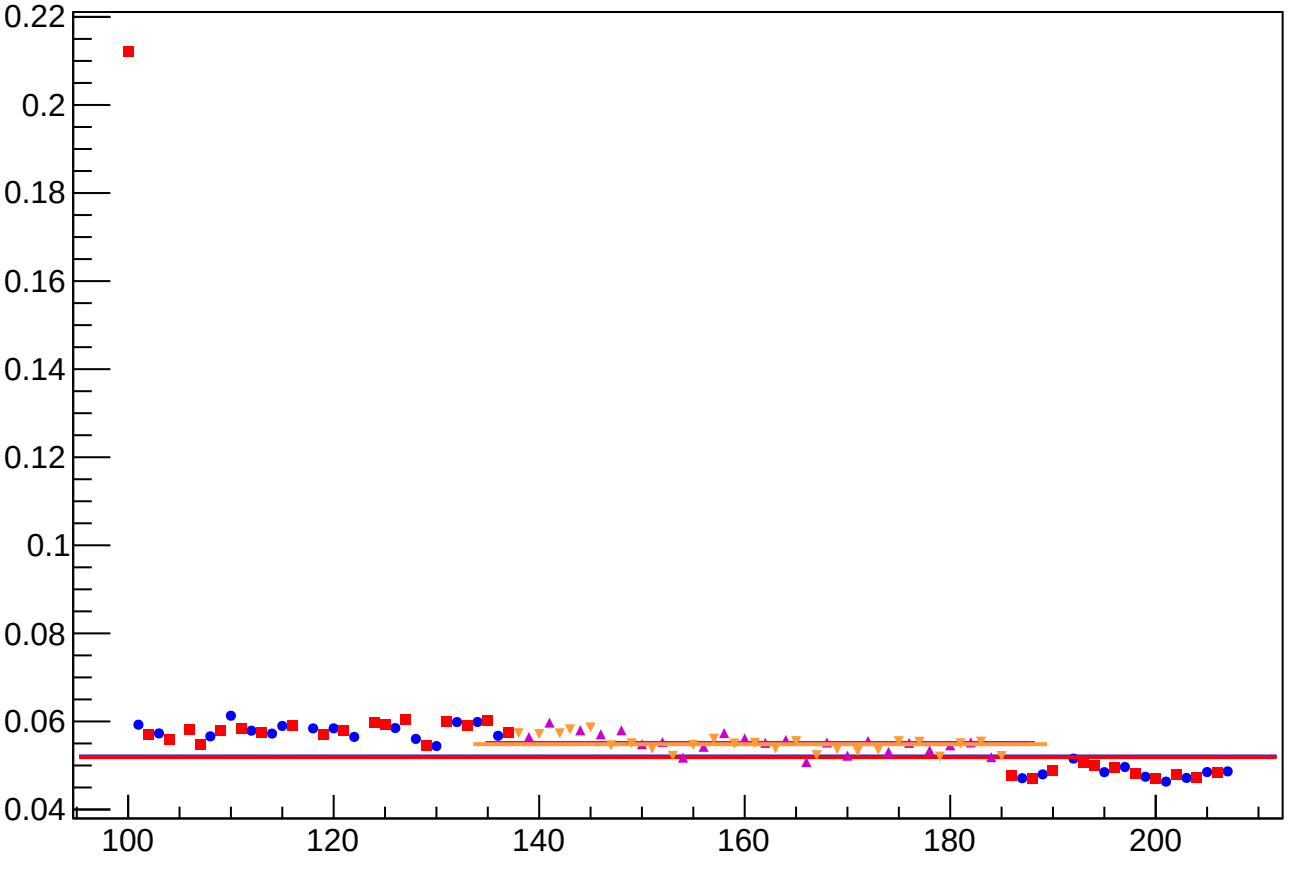
Right: -25.378+/-0.000 χ^2/NDF: 6354383466.3/55

In: -25.403+/-0.000 χ^2/NDF:78552412.3/48

Out: -25.393+/-0.000 χ^2/NDF:6391427377.9/54

All: -25.398+/-0.000 χ^2/NDF: 6470527922.9/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 247598.2/25

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

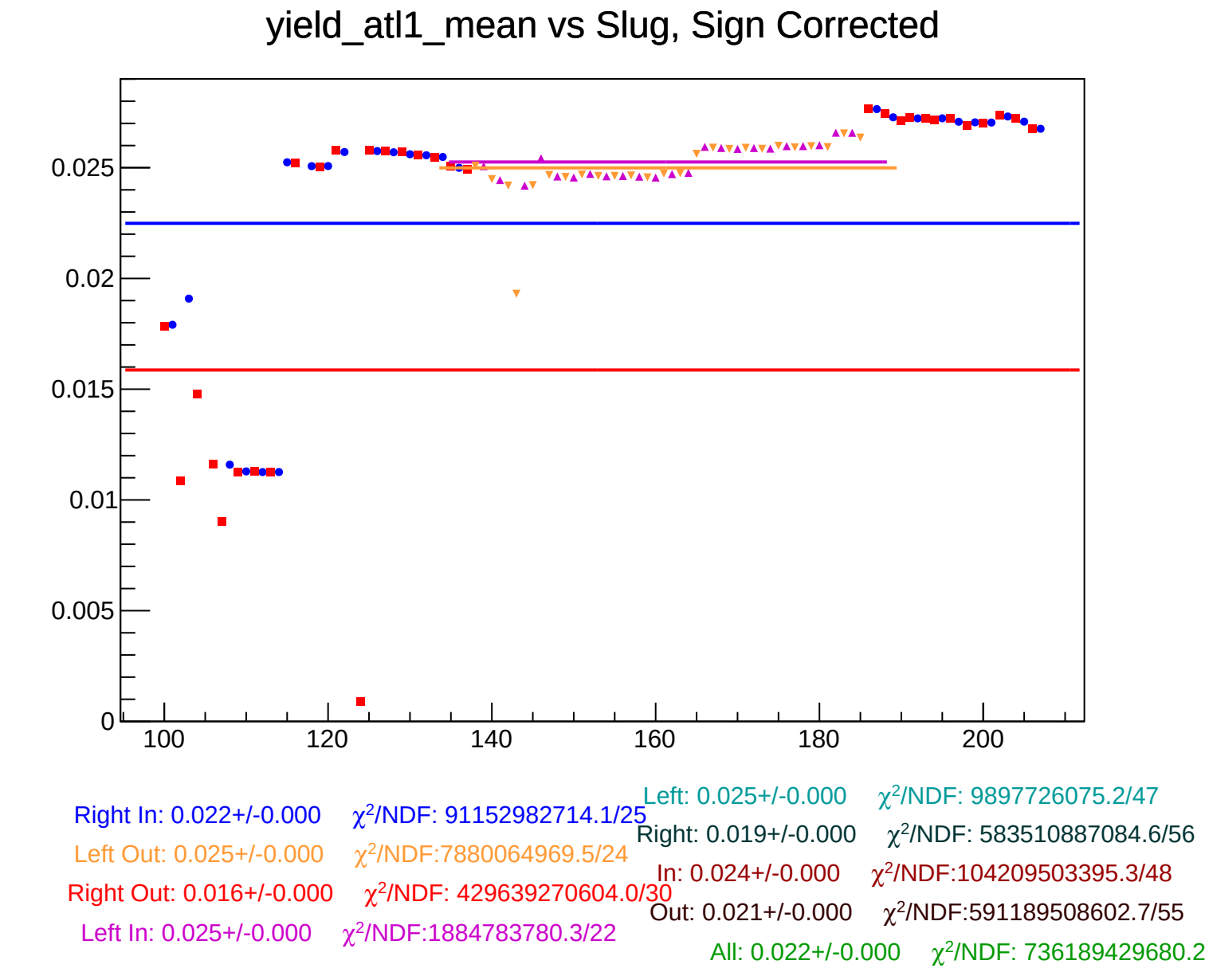
Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

Right: 0.052+/-0.000 χ^2/NDF: 599872.5/55

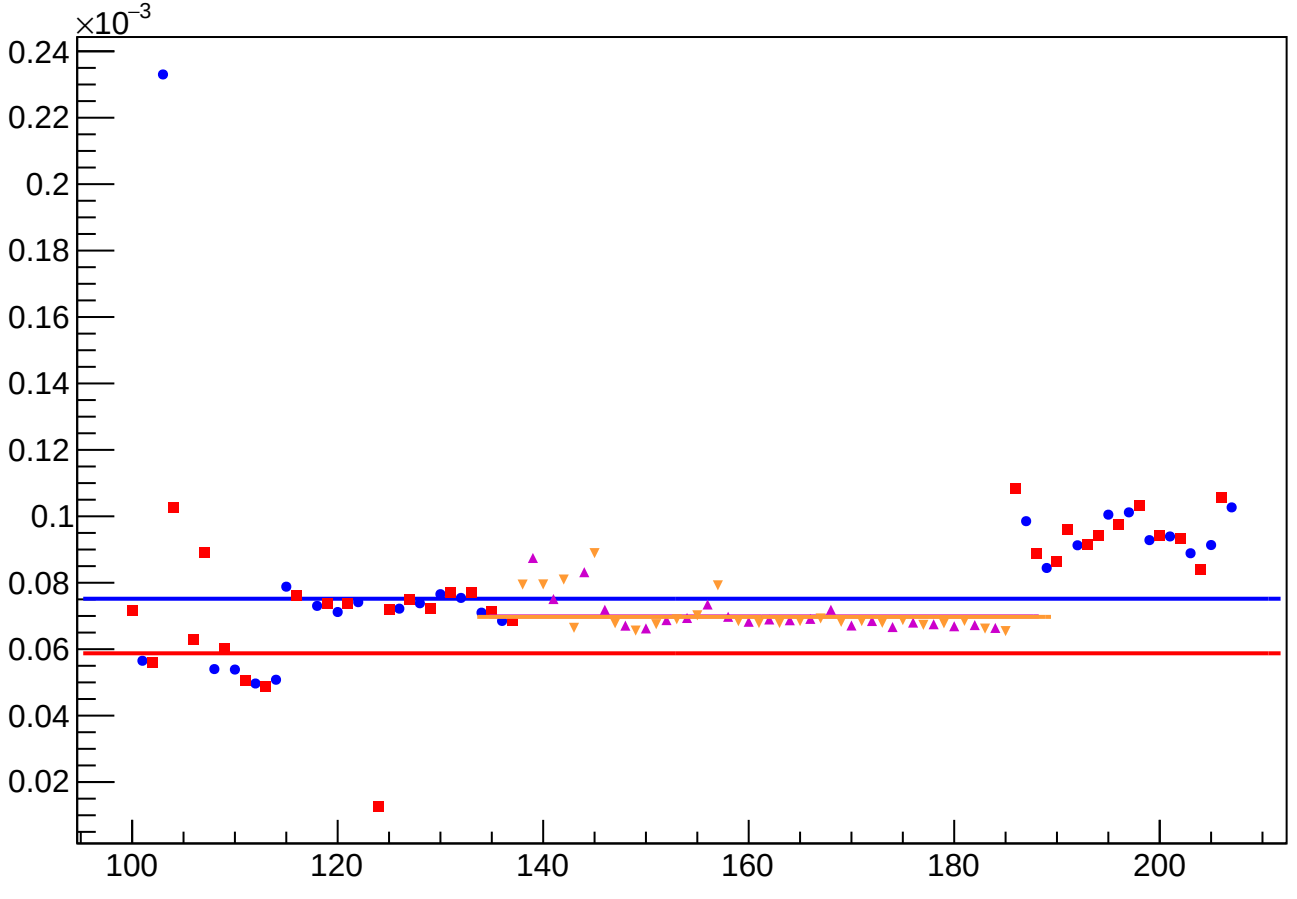
In: 0.054+/-0.000 χ^2/NDF:352093.2/48

Out: 0.053+/-0.000 χ^2/NDF:441366.9/54

All: 0.054+/-0.000 χ^2/NDF: 794038.0/103


yield_atl1_mean vs Slug, Sign Corrected
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.022+/-0.000 χ²/NDF: 91152982714.1/25
Left Out: 0.025+/-0.000 χ²/NDF:7880064969.5/24
Right Out: 0.016+/-0.000 χ²/NDF: 429639270604.0/30
Left In: 0.025+/-0.000 χ²/NDF:1884783780.3/22
Left: 0.025+/-0.000 χ²/NDF: 9897726075.2/47
Right: 0.019+/-0.000 χ²/NDF: 583510887084.6/56
In: 0.024+/-0.000 χ²/NDF:104209503395.3/48
Out: 0.021+/-0.000 χ²/NDF:591189508602.7/55
All: 0.022+/-0.000 χ²/NDF: 736189429680.2

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1801315.8/25

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

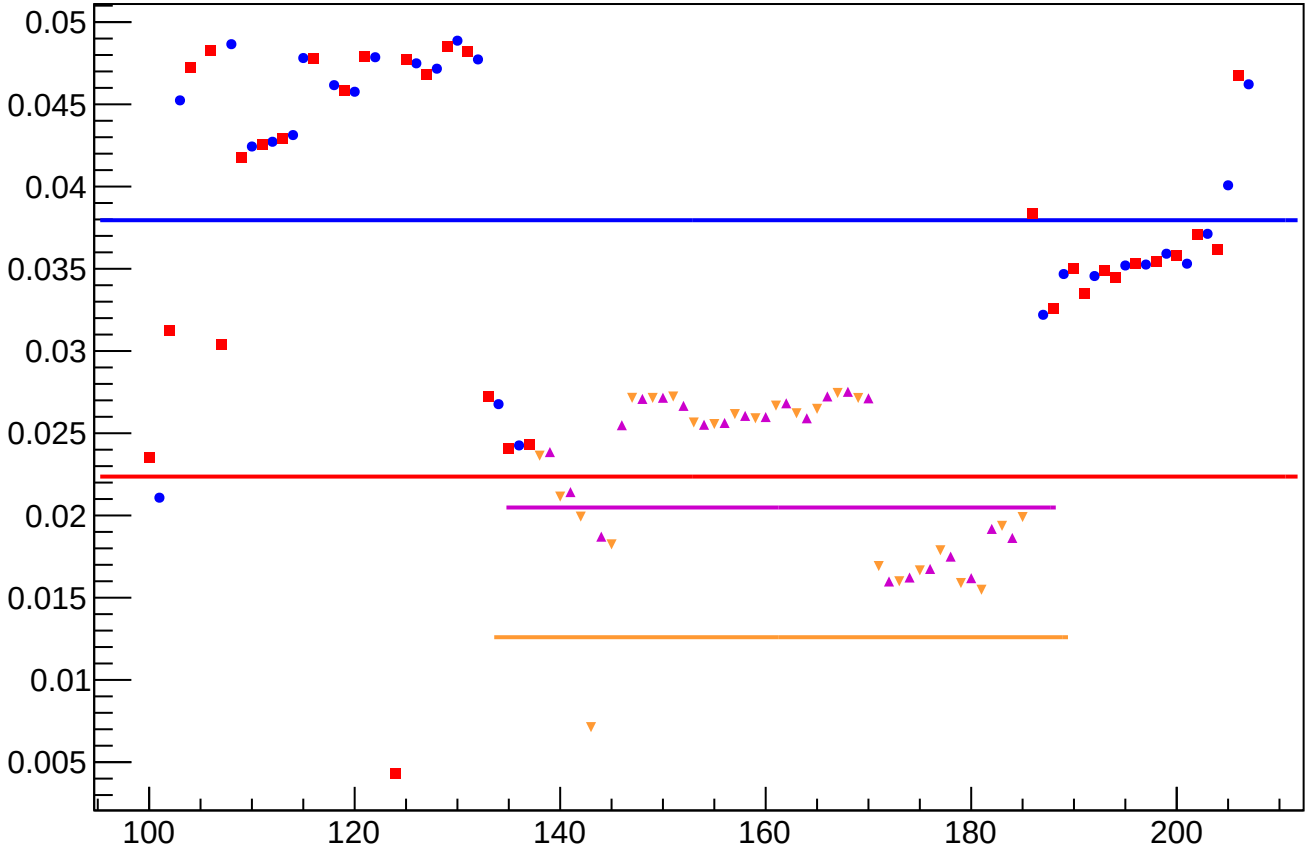
Right: 0.000+/-0.000 χ^2/NDF: 9876168.3/56

In: 0.000+/-0.000 χ^2/NDF:2036269.8/48

Out: 0.000+/-0.000 χ^2/NDF:7935057.7/55

All: 0.000+/-0.000 χ^2/NDF: 10342005.2/104

yield_atl2_mean vs Slug, Sign Corrected



Right In: 0.038+/-0.000 χ^2/NDF: 7334277348.4/25

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

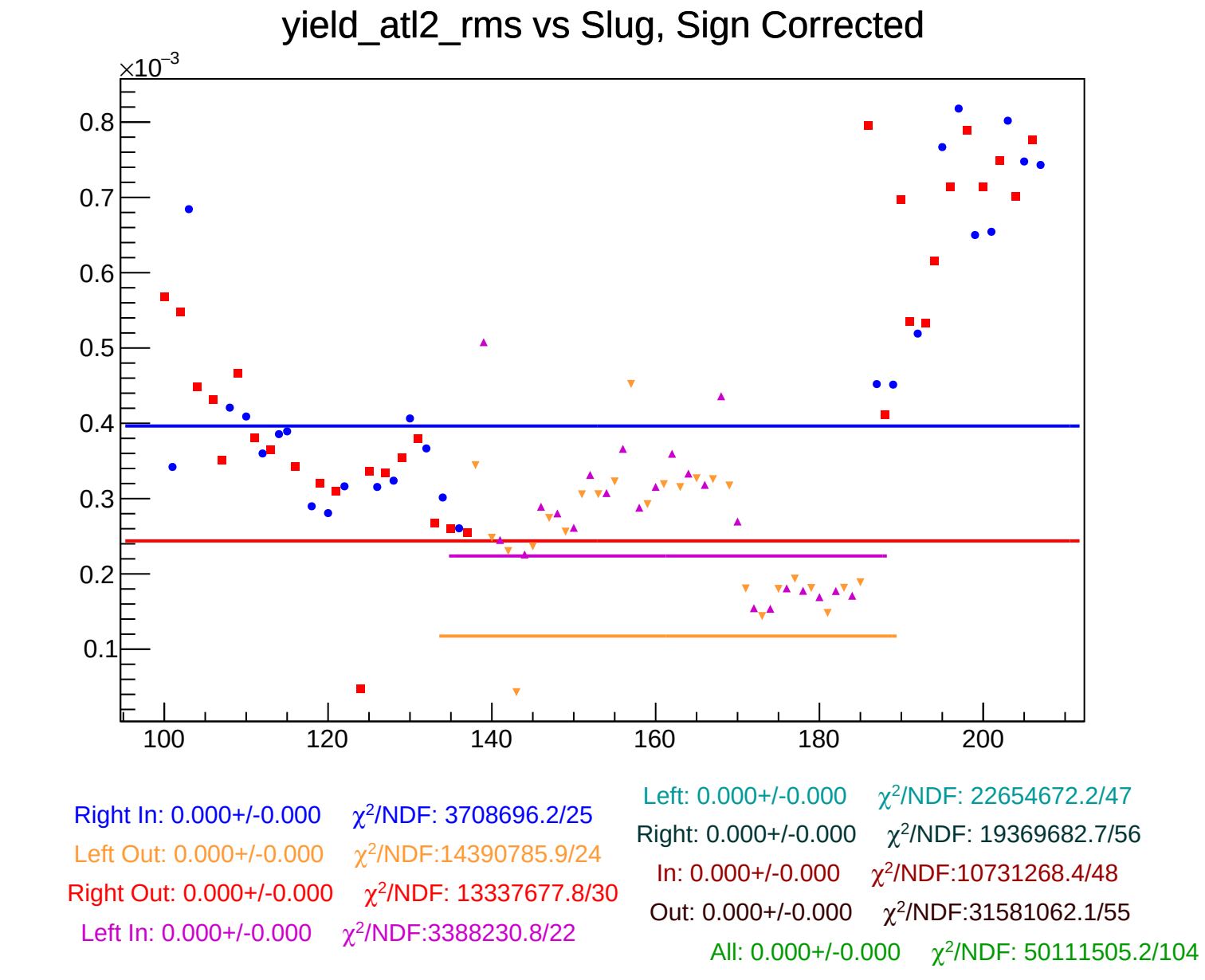
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 66315051941.7/56

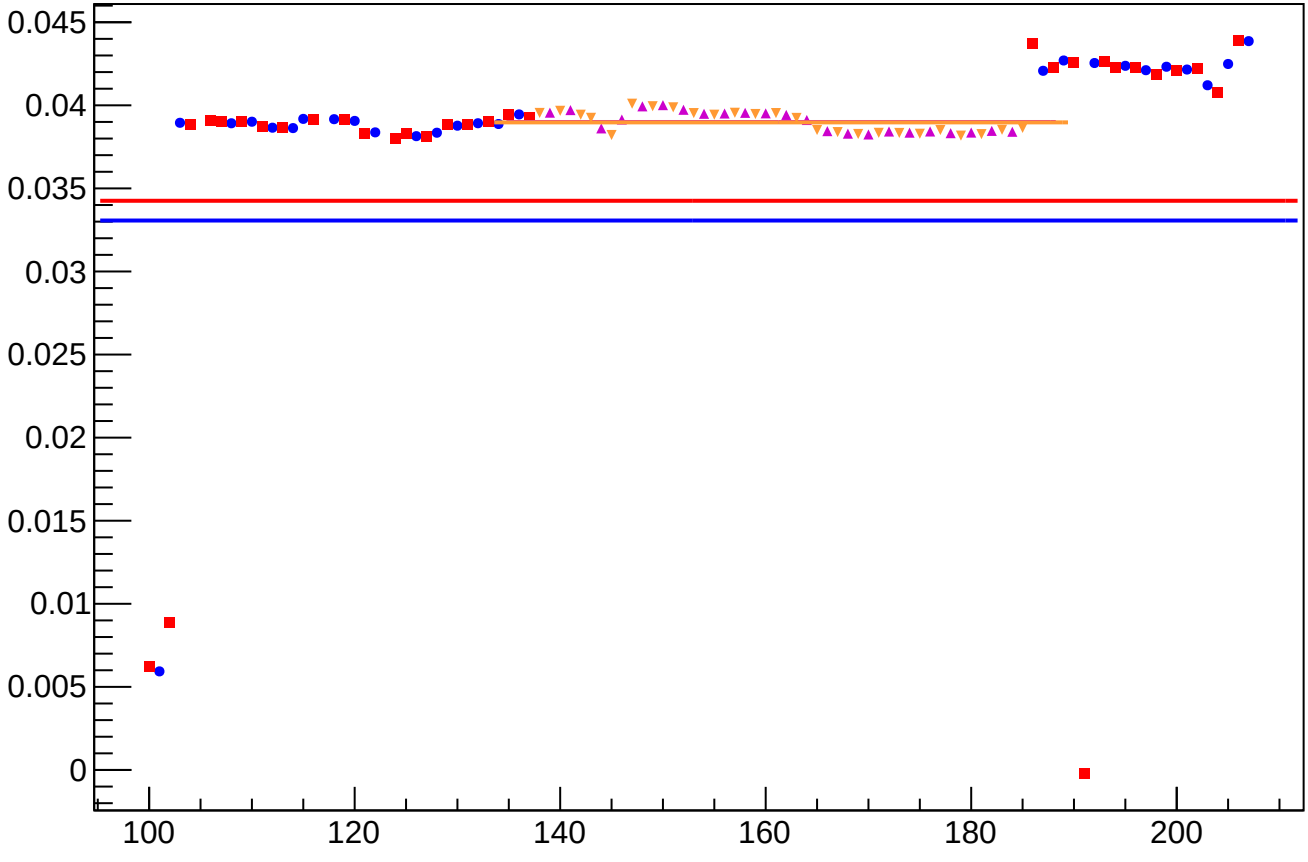
In: 0.024+/-0.000 χ^2/NDF:32056783361.2/48

Out: 0.014+/-0.000 χ^2/NDF:95694528848.2/55

All: 0.017+/-0.000 χ^2/NDF: 153600852699.4


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: 3708696.2/25
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: 19369682.7/56
In: 0.000+/-0.000 χ²/NDF:10731268.4/48
Out: 0.000+/-0.000 χ²/NDF:31581062.1/55
All: 0.000+/-0.000 χ²/NDF: 50111505.2/104

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 128134253889.5/25

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

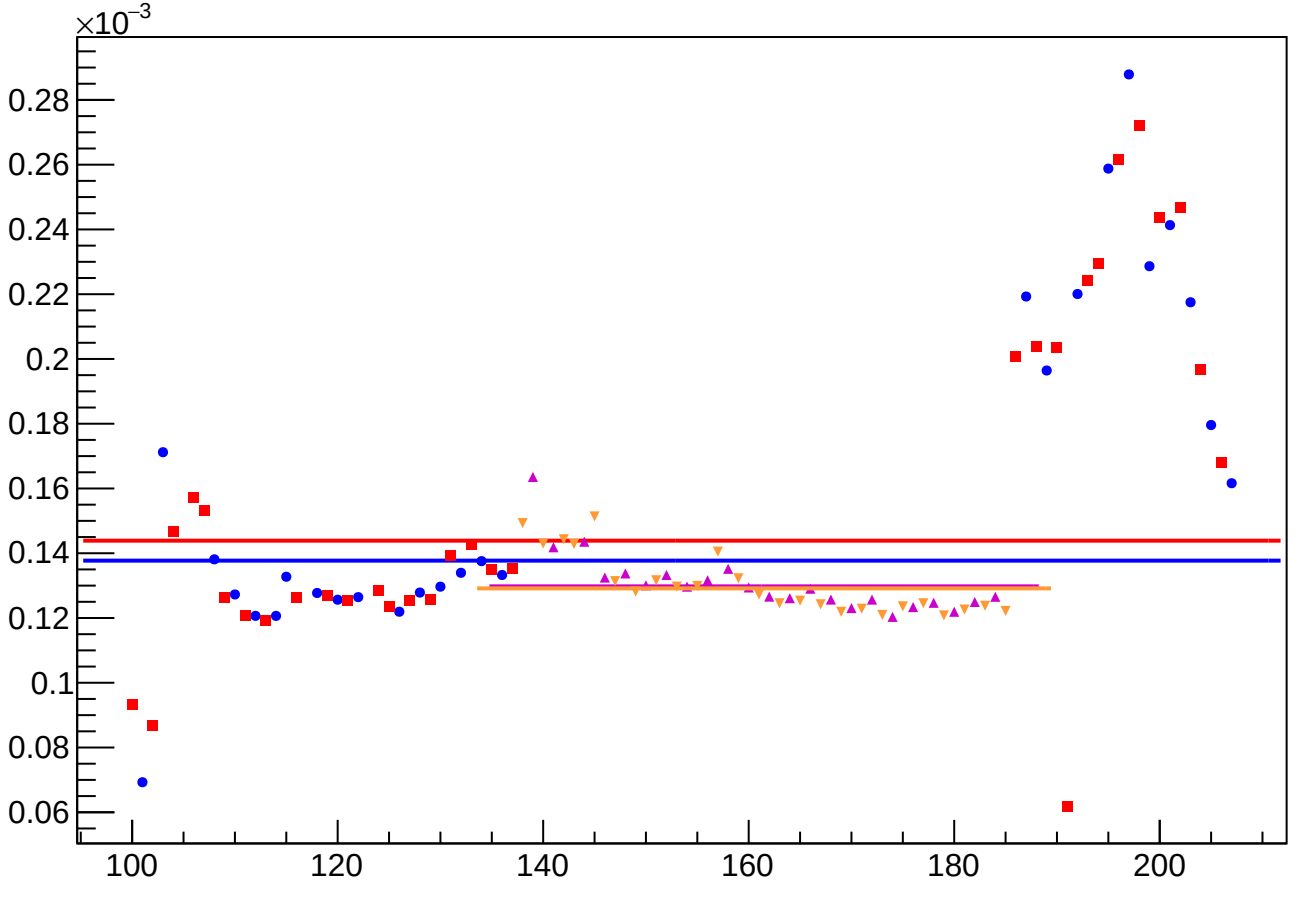
Right: 0.034+/-0.000 χ^2/NDF: 247475670651.8/56

In: 0.037+/-0.000 χ^2/NDF:143012619437.3/48

Out: 0.037+/-0.000 χ^2/NDF:128756307879.7/55

All: 0.037+/-0.000 χ^2/NDF: 272002057001.8

yield_atr1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3515760.8/25

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

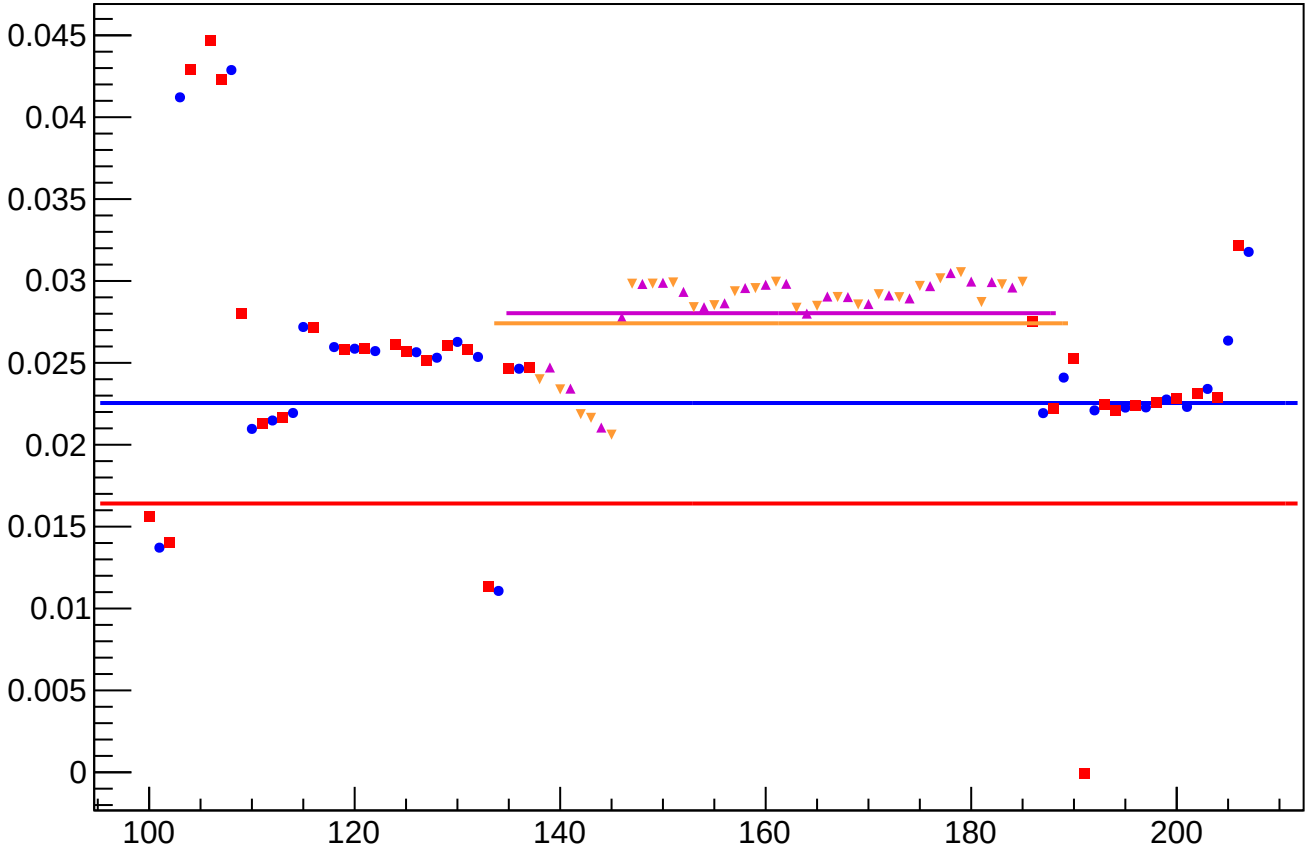
Right: 0.000+/-0.000 χ^2/NDF: 6948165.7/56

In: 0.000+/-0.000 χ^2/NDF:3709557.9/48

Out: 0.000+/-0.000 χ^2/NDF:3748012.3/55

All: 0.000+/-0.000 χ^2/NDF: 7463300.0/104

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 5185940571.6/25

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

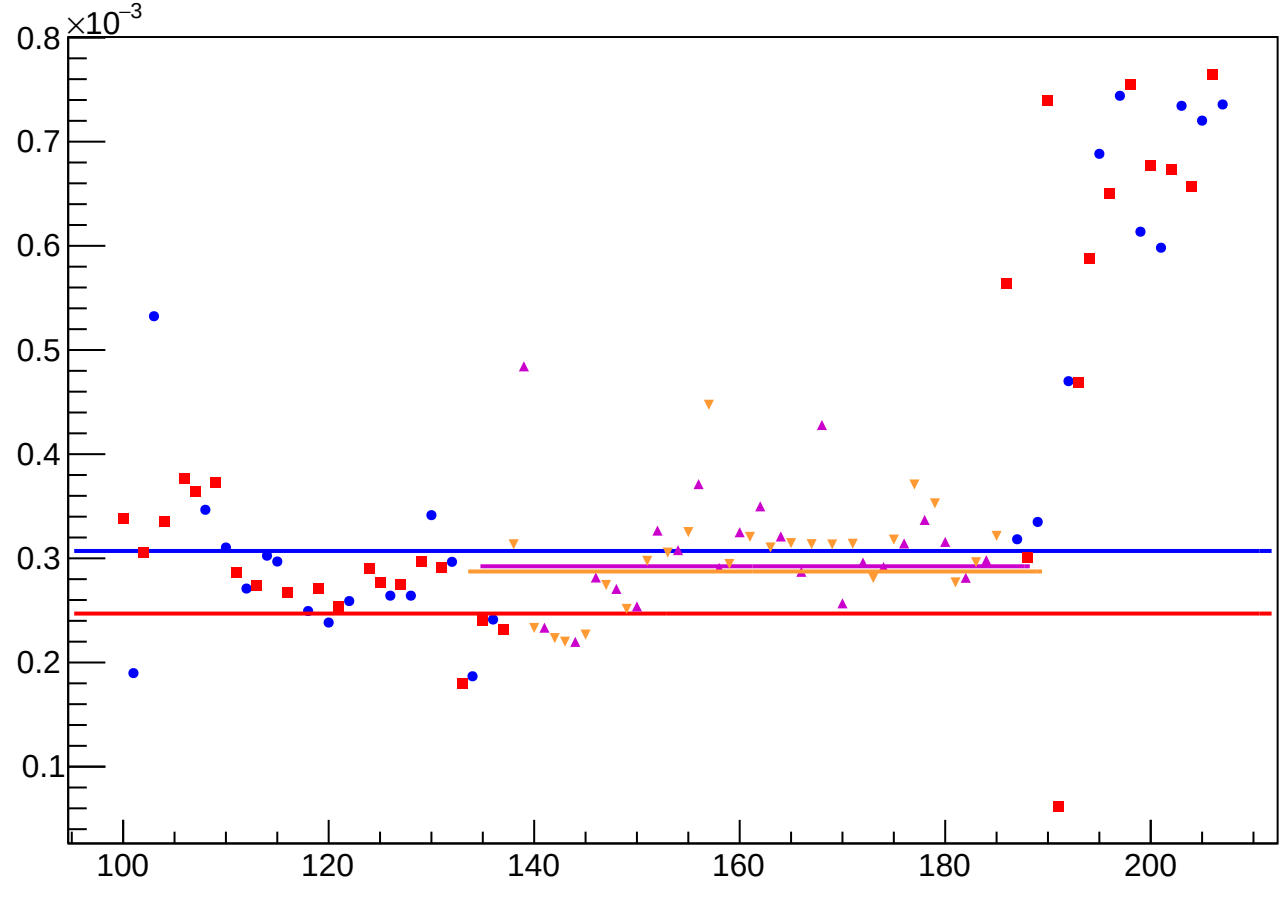
Right: 0.019+/-0.000 χ^2/NDF: 33462968376.9/56

In: 0.026+/-0.000 χ^2/NDF:8900521100.3/48

Out: 0.023+/-0.000 χ^2/NDF:39102141198.5/55

All: 0.024+/-0.000 χ^2/NDF: 50006208020.5/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5007270.5/25

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

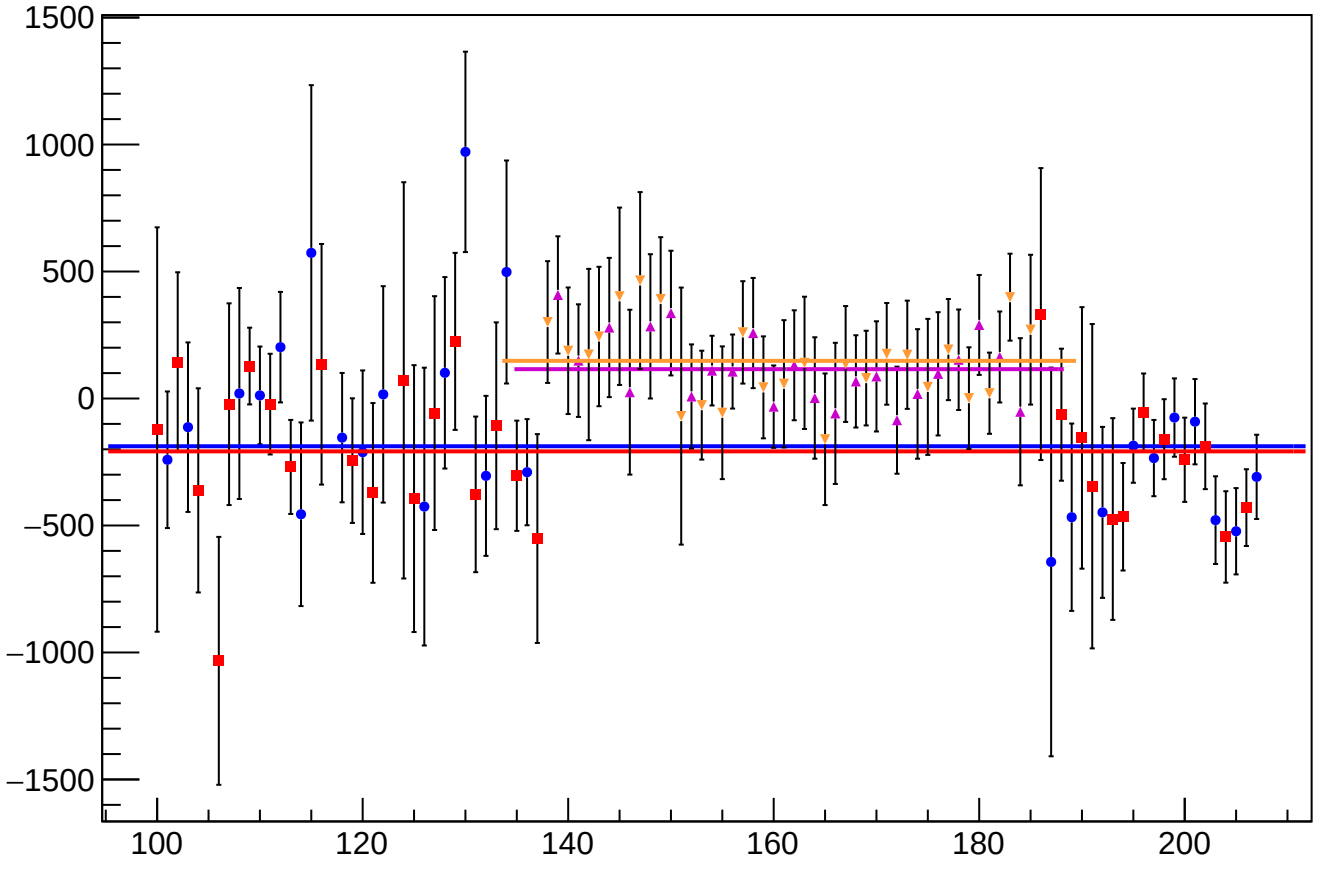
Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

Right: 0.000+/-0.000 χ^2/NDF: 15222682.9/56

In: 0.000+/-0.000 χ^2/NDF:6009751.7/48

Out: 0.000+/-0.000 χ^2/NDF:10834596.9/55

All: 0.000+/-0.000 χ^2/NDF: 17124612.0/104



Right In: -188.008+/-46.452 χ^2/NDF: 28.7/25

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

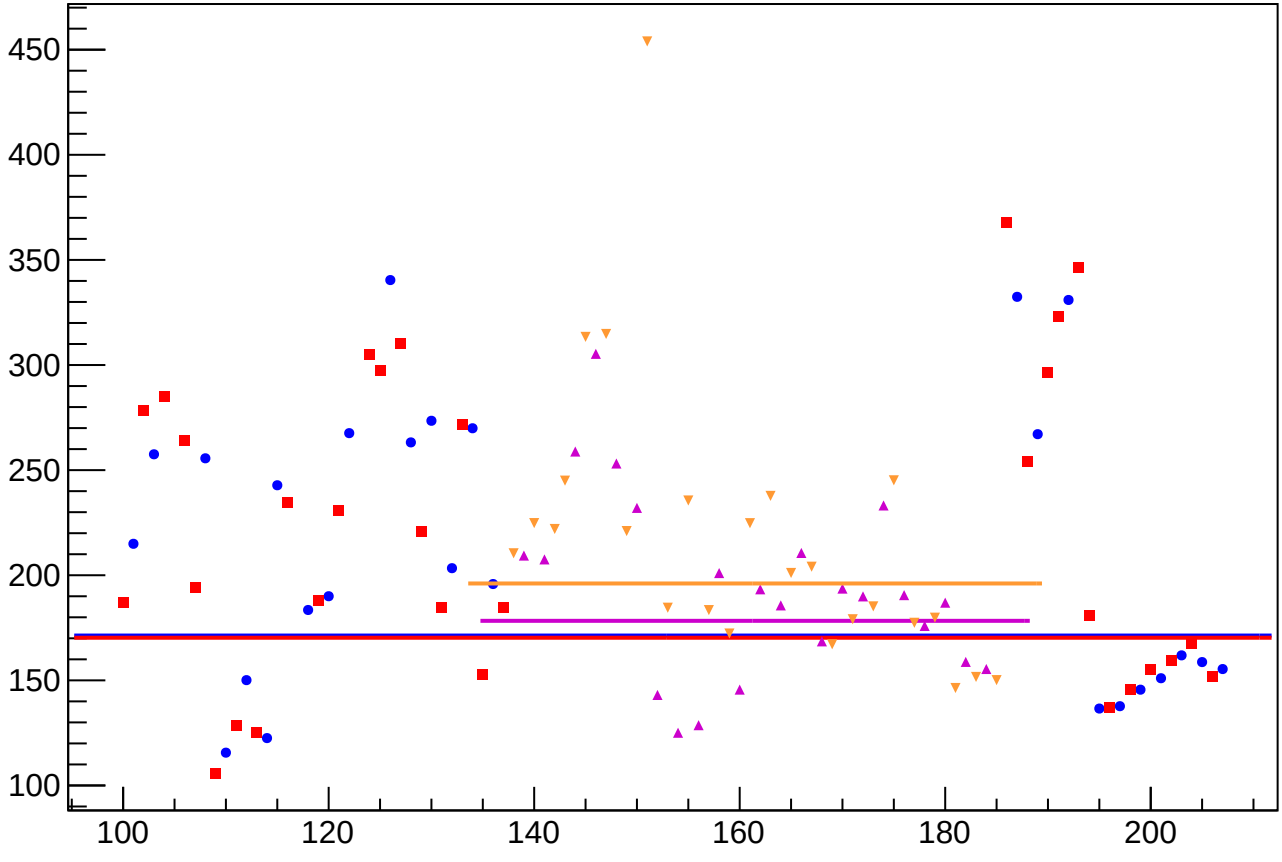
Right: -198.432+/-32.245 χ^2/NDF: 52.9/56

In: -26.548+/-31.778 χ^2/NDF:59.2/48

Out: -35.500+/-32.167 χ^2/NDF:65.1/55

All: -30.970+/-22.607 χ^2/NDF: 124.4/104

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.316+/-0.033 χ^2/NDF: 2228954.8/25

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

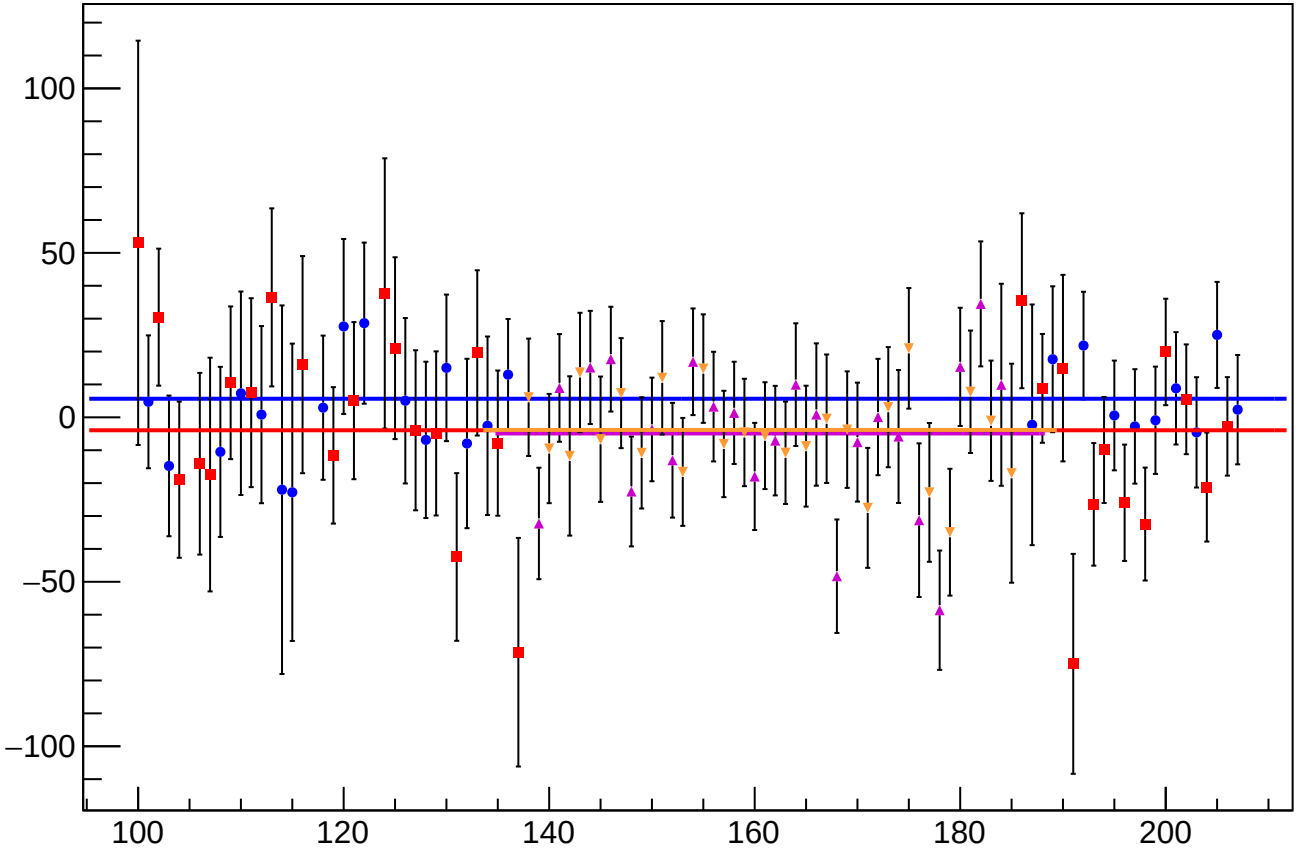
Right: 170.777+/-0.023 χ^2/NDF: 5164896.0/56

In: 175.041+/-0.022 χ^2/NDF:3931467.0/48

Out: 182.778+/-0.023 χ^2/NDF:5075524.7/55

All: 178.862+/-0.016 χ^2/NDF: 9065543.7/104

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.652+/-4.157 χ^2/NDF: 8.3/25

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

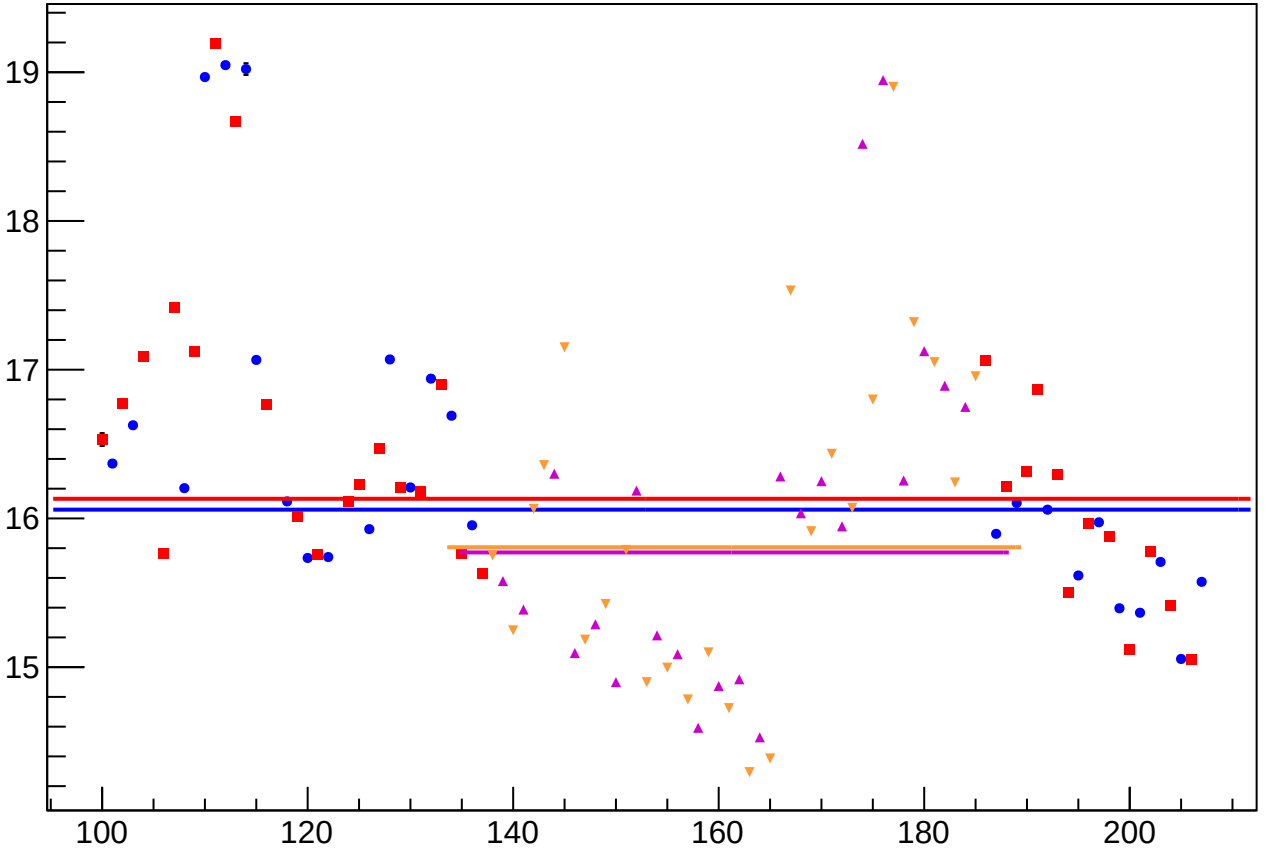
Right: 0.652+/-2.875 χ^2/NDF: 44.8/56

In: -0.243+/-2.762 χ^2/NDF:45.8/48

Out: -3.879+/-2.671 χ^2/NDF:46.6/55

All: -2.122+/-1.920 χ^2/NDF: 93.2/104

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.059+/-0.003 χ^2/NDF: 77196.0/25

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

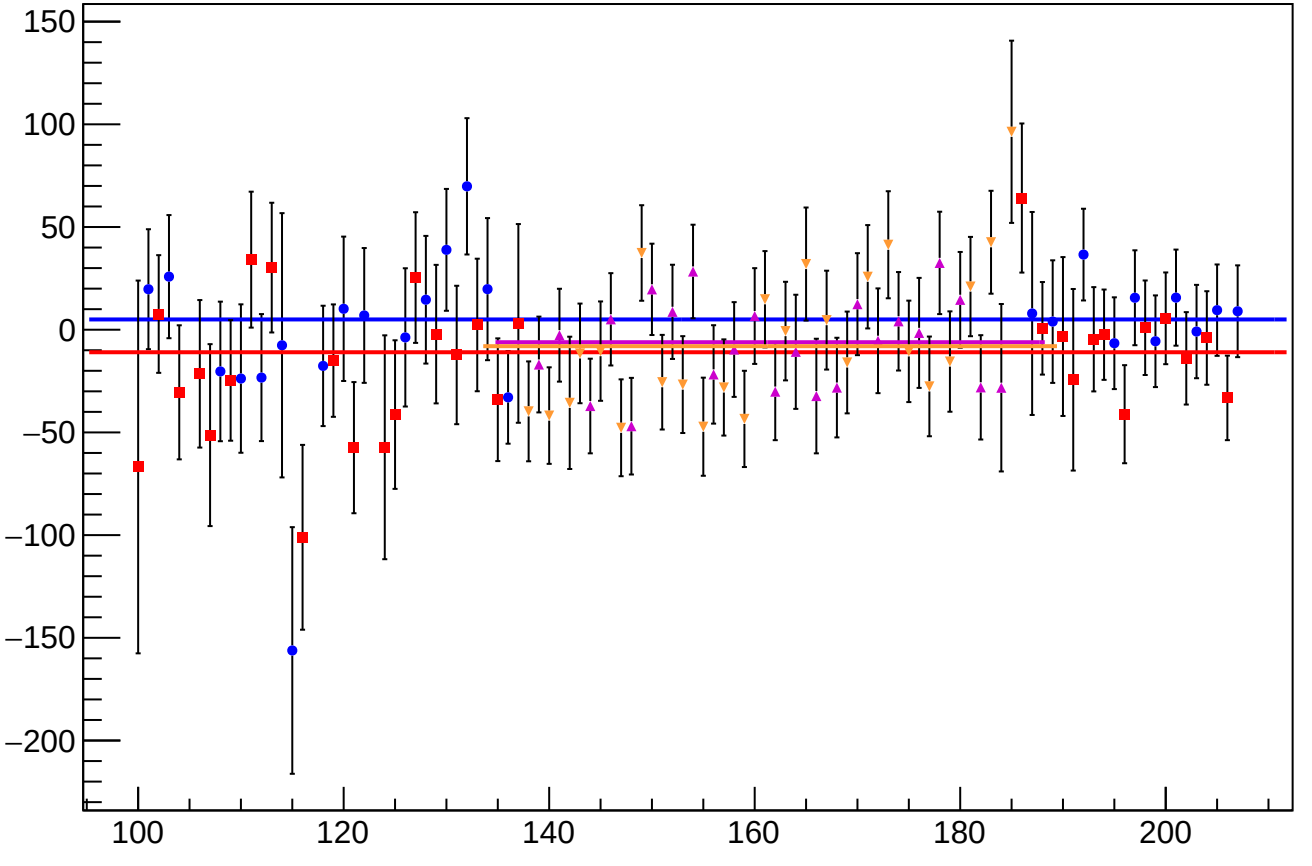
Right: 16.097+/-0.002 χ^2/NDF: 164494.4/56

In: 15.898+/-0.002 χ^2/NDF:234681.6/48

Out: 15.953+/-0.002 χ^2/NDF:266990.0/55

All: 15.927+/-0.001 χ^2/NDF: 502075.3/104

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.000+/-5.559 χ^2/NDF: 22.0/25

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

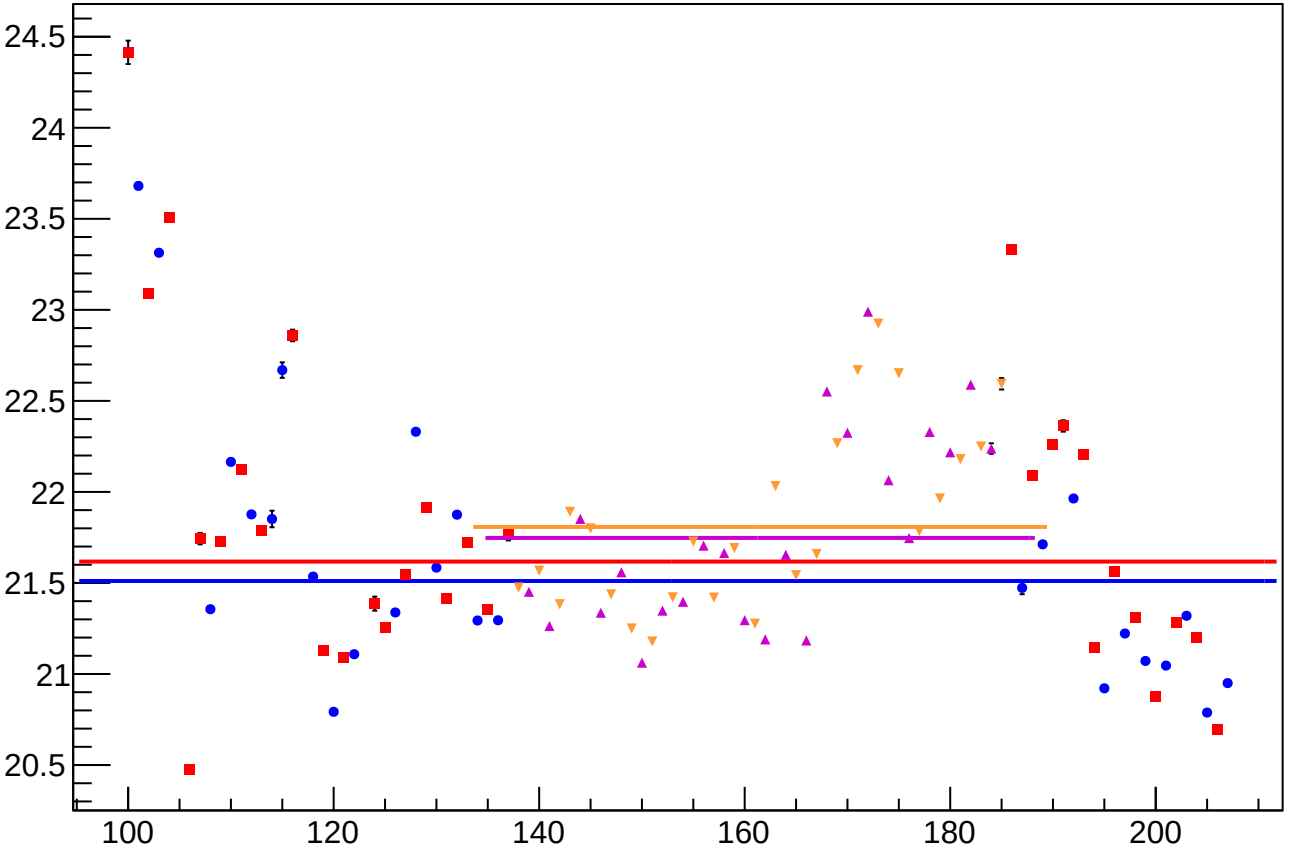
Right: -3.325+/-3.846 χ^2/NDF: 50.5/56

In: -1.041+/-3.750 χ^2/NDF:42.0/48

Out: -9.385+/-3.628 χ^2/NDF:63.2/55

All: -5.351+/-2.608 χ^2/NDF: 107.8/104

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.511+/-0.004 χ^2/NDF: 30848.8/25

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

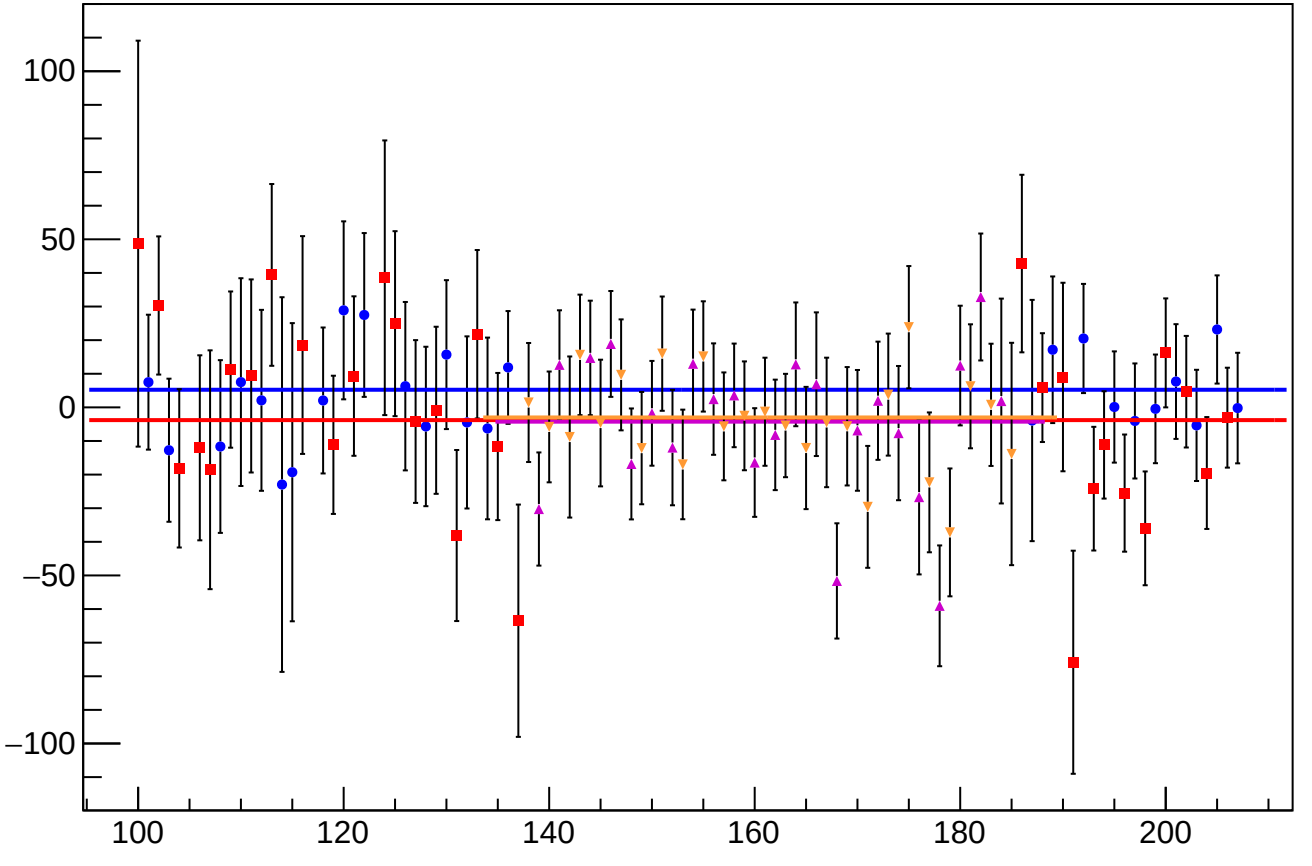
Right: 21.566+/-0.003 χ^2/NDF: 67268.8/56

In: 21.640+/-0.003 χ^2/NDF:53383.2/48

Out: 21.719+/-0.003 χ^2/NDF:54965.4/55

All: 21.681+/-0.002 χ^2/NDF: 108816.0/104

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.242+/-4.125 χ^2/NDF: 7.9/25

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

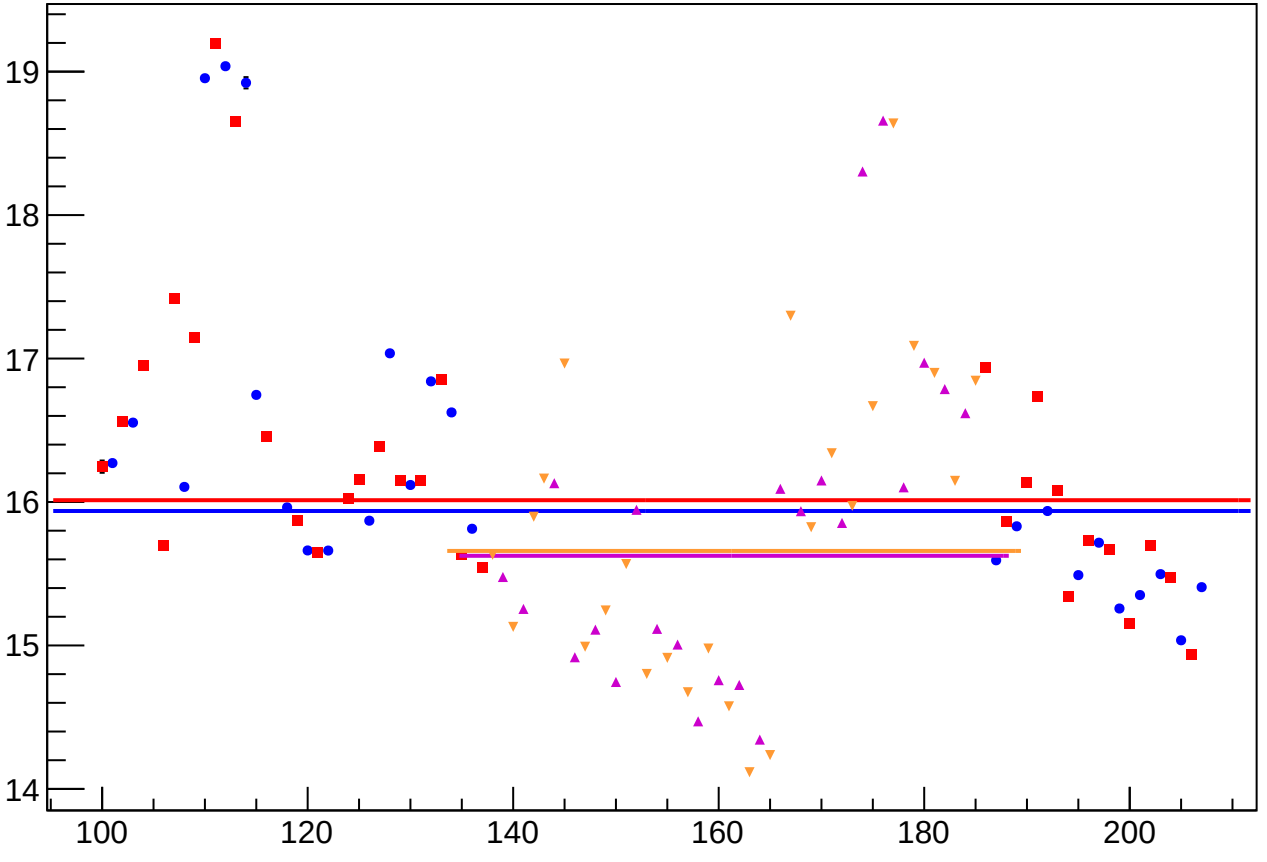
Right: 0.531+/-2.854 χ^2/NDF: 44.4/56

In: -0.068+/-2.738 χ^2/NDF:44.6/48

Out: -3.356+/-2.648 χ^2/NDF:48.7/55

All: -1.767+/-1.904 χ^2/NDF: 94.1/104

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.937+/-0.003 χ^2/NDF: 80810.0/25

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

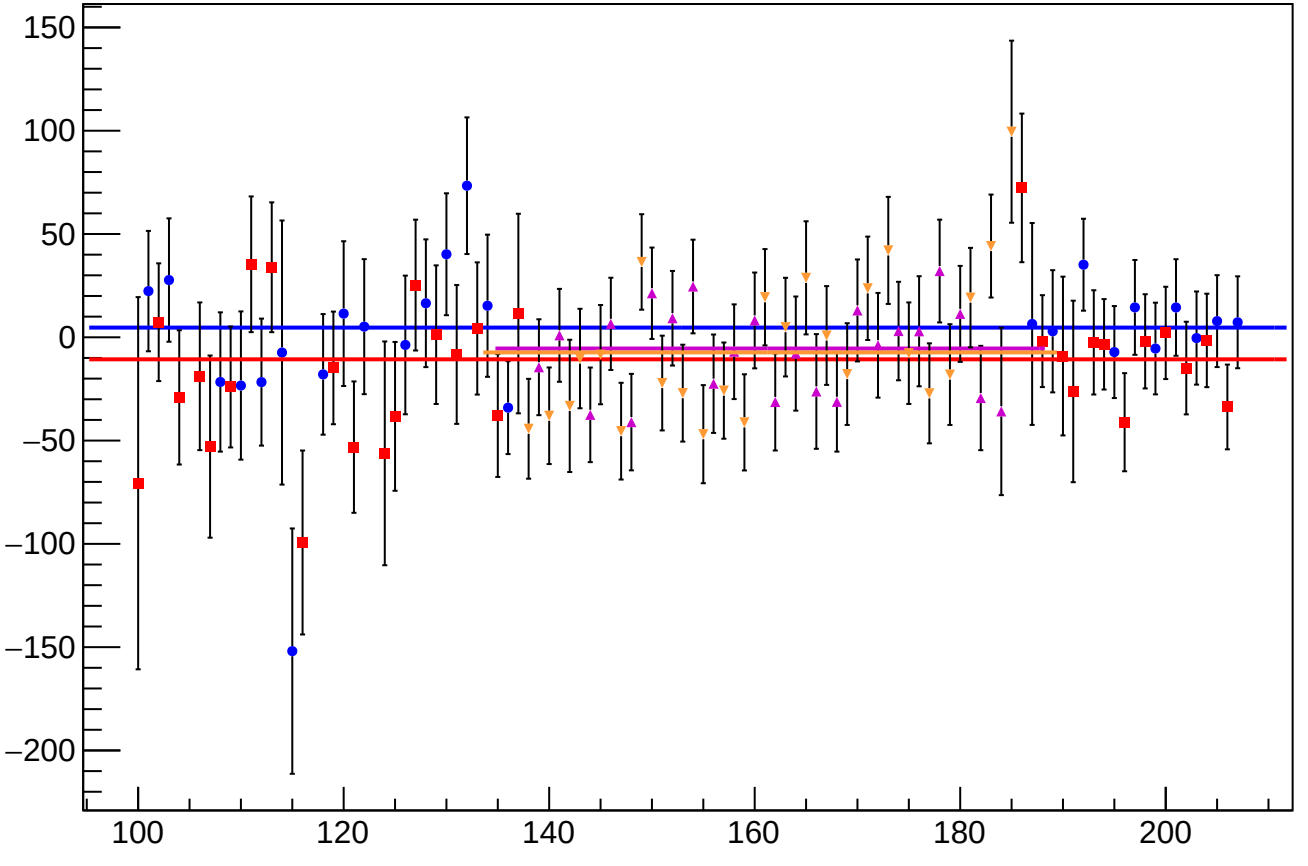
Right: 15.977+/-0.002 χ^2/NDF: 169787.5/56

In: 15.763+/-0.002 χ^2/NDF:237655.1/48

Out: 15.818+/-0.002 χ^2/NDF:267289.9/55

All: 15.791+/-0.001 χ^2/NDF: 505364.3/104

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.696+/-5.534 χ^2/NDF: 22.4/25

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

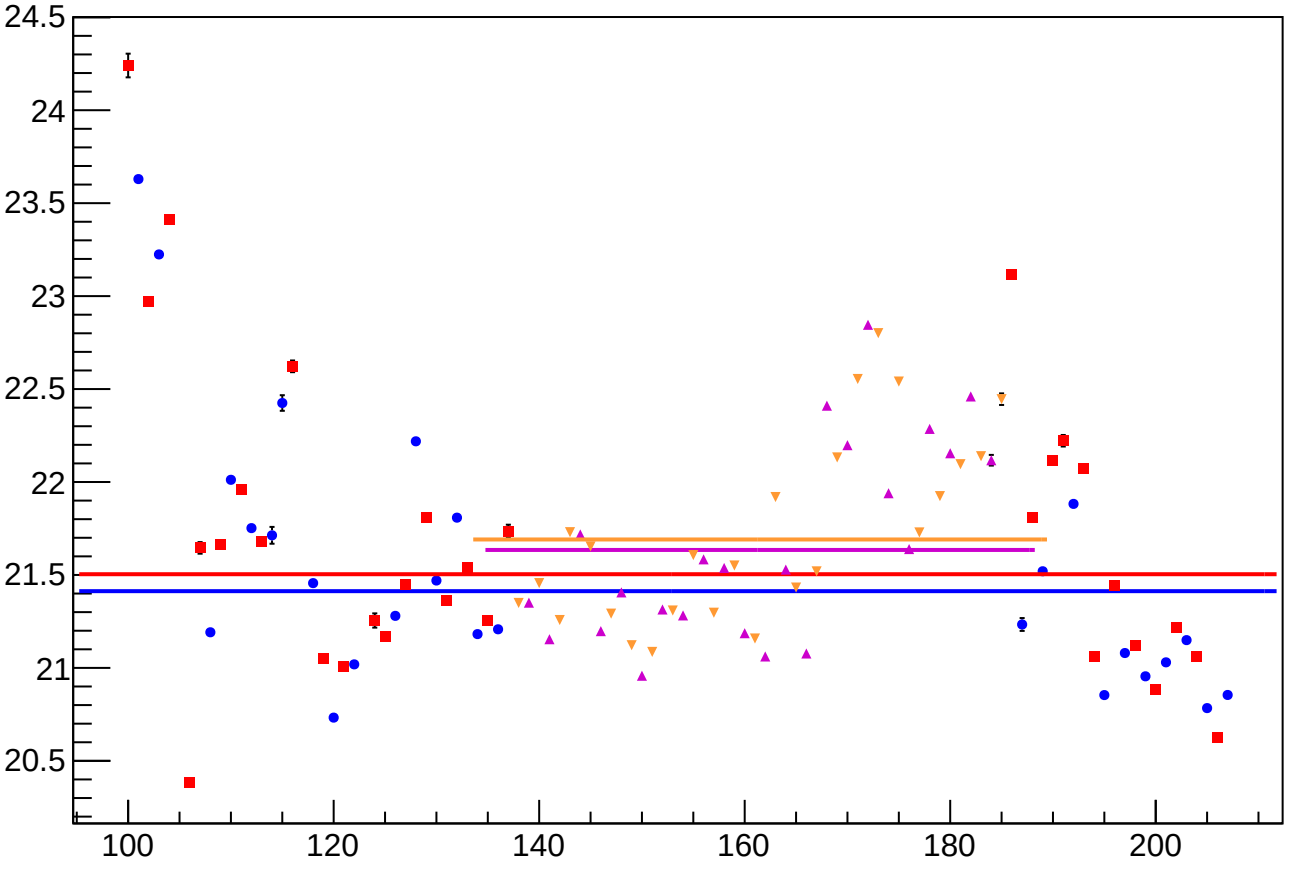
Right: -3.319+/-3.827 χ^2/NDF: 51.9/56

In: -0.828+/-3.732 χ^2/NDF:41.5/48

Out: -8.871+/-3.609 χ^2/NDF:64.3/55

All: -4.984+/-2.594 χ^2/NDF: 108.2/104

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.413+/-0.004 χ^2/NDF: 30582.2/25

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

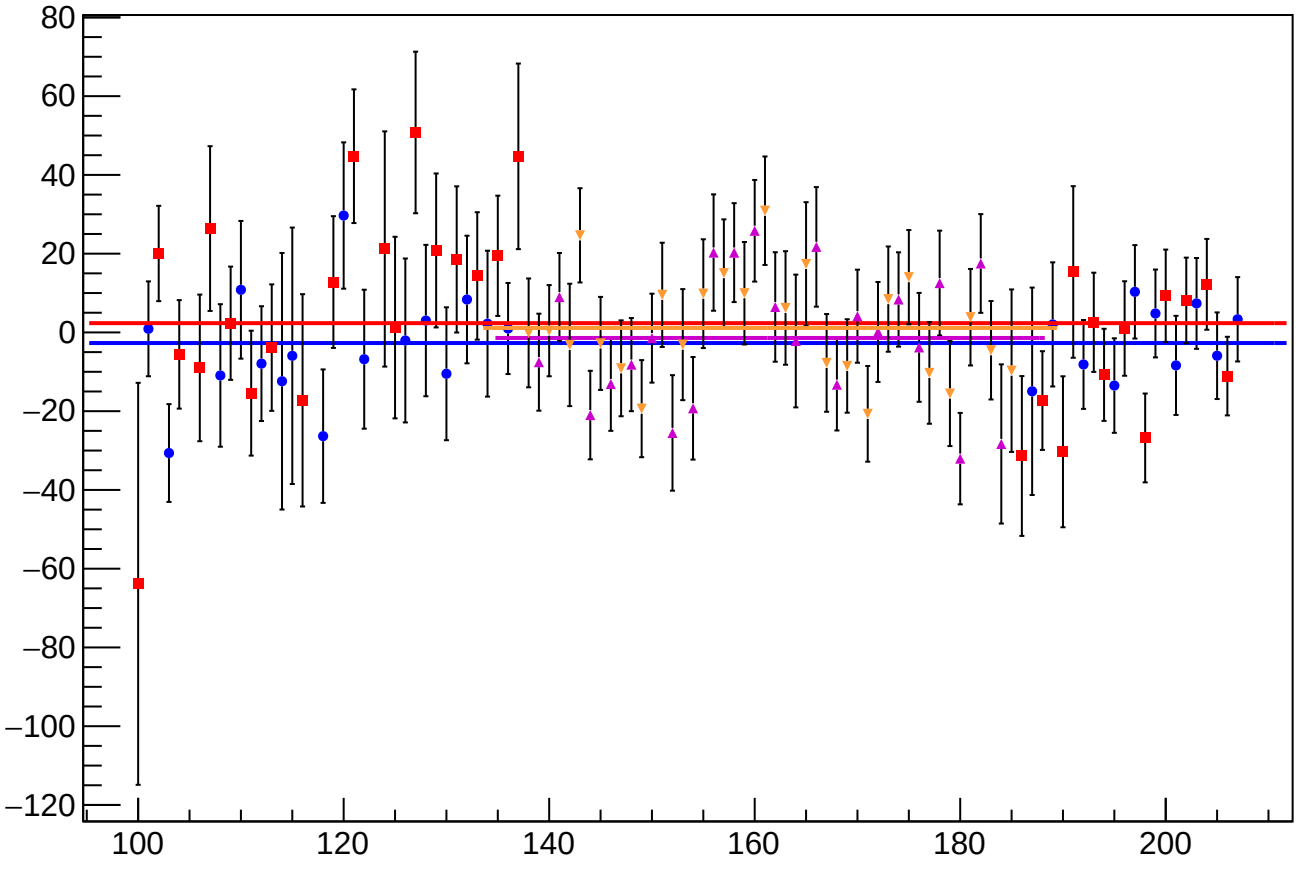
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.460+/-0.003 χ^2/NDF: 64440.0/56

In: 21.534+/-0.003 χ^2/NDF:52894.1/48

Out: 21.604+/-0.003 χ^2/NDF:52843.2/55

All: 21.570+/-0.002 χ^2/NDF: 106105.7/104



Right In: -2.697+/-2.830 χ^2/NDF: 16.5/25

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

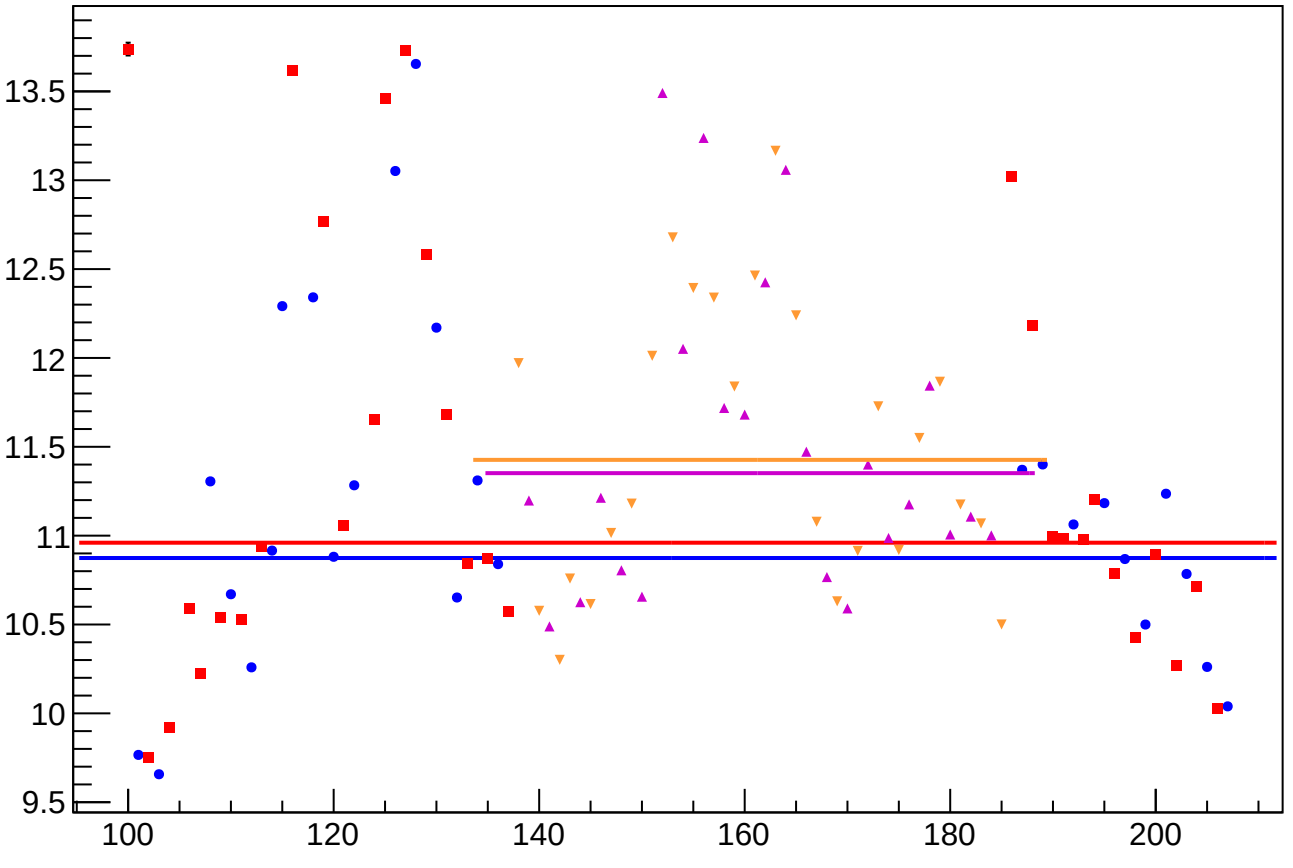
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: -0.074+/-1.962 χ^2/NDF: 64.9/56

In: -2.015+/-1.944 χ^2/NDF:53.0/48

Out: 1.722+/-1.888 χ^2/NDF:71.3/55

All: -0.092+/-1.354 χ^2/NDF: 126.2/104



Right In: 10.874+/-0.002 χ^2/NDF: 165192.5/25

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

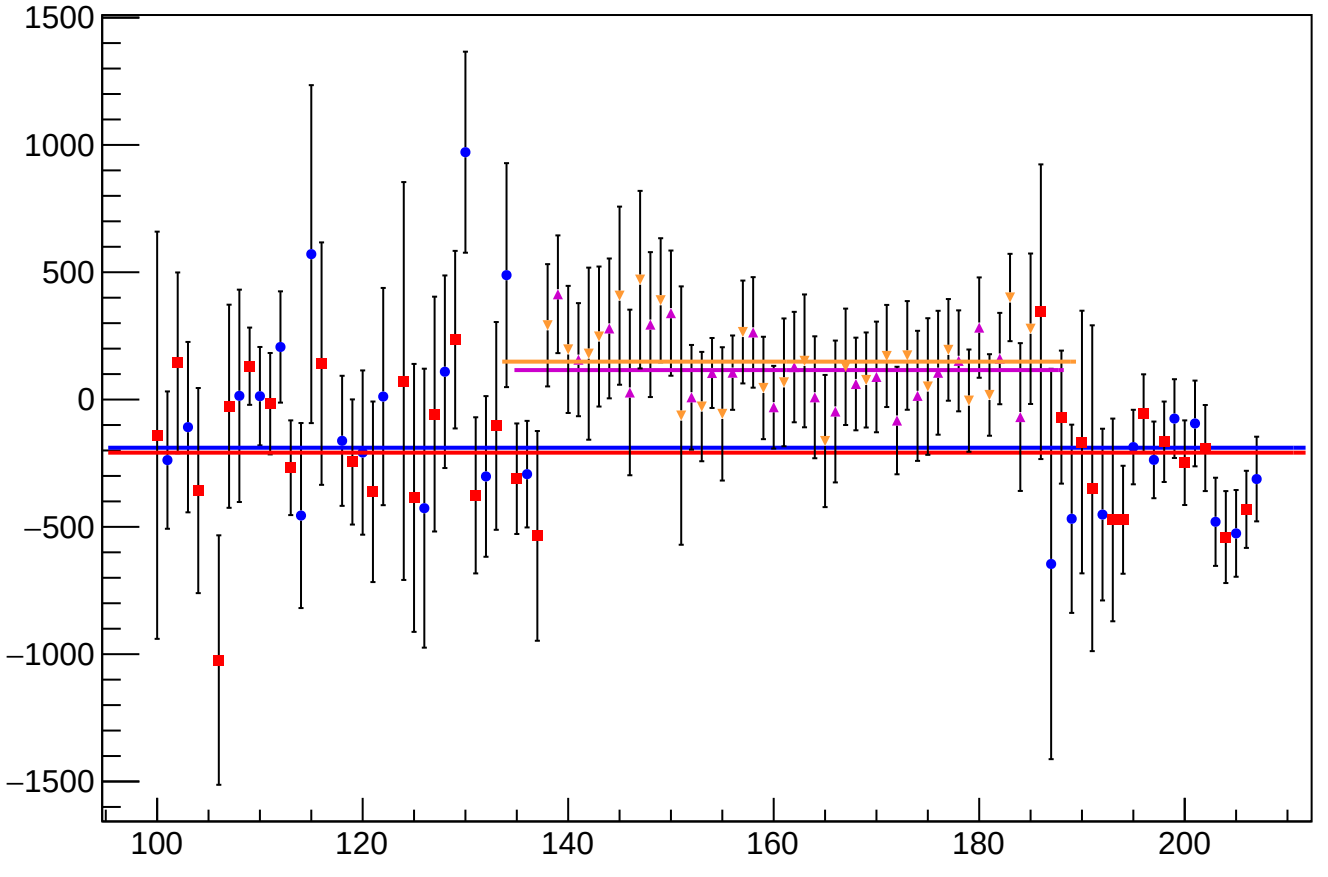
Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

Right: 10.919+/-0.001 χ^2/NDF: 403250.9/56

In: 11.127+/-0.001 χ^2/NDF:365838.8/48

Out: 11.202+/-0.001 χ^2/NDF:424516.0/55

All: 11.166+/-0.001 χ^2/NDF: 791921.2/104



Right In: -189.182+/-46.577 χ^2/NDF: 28.8/25

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

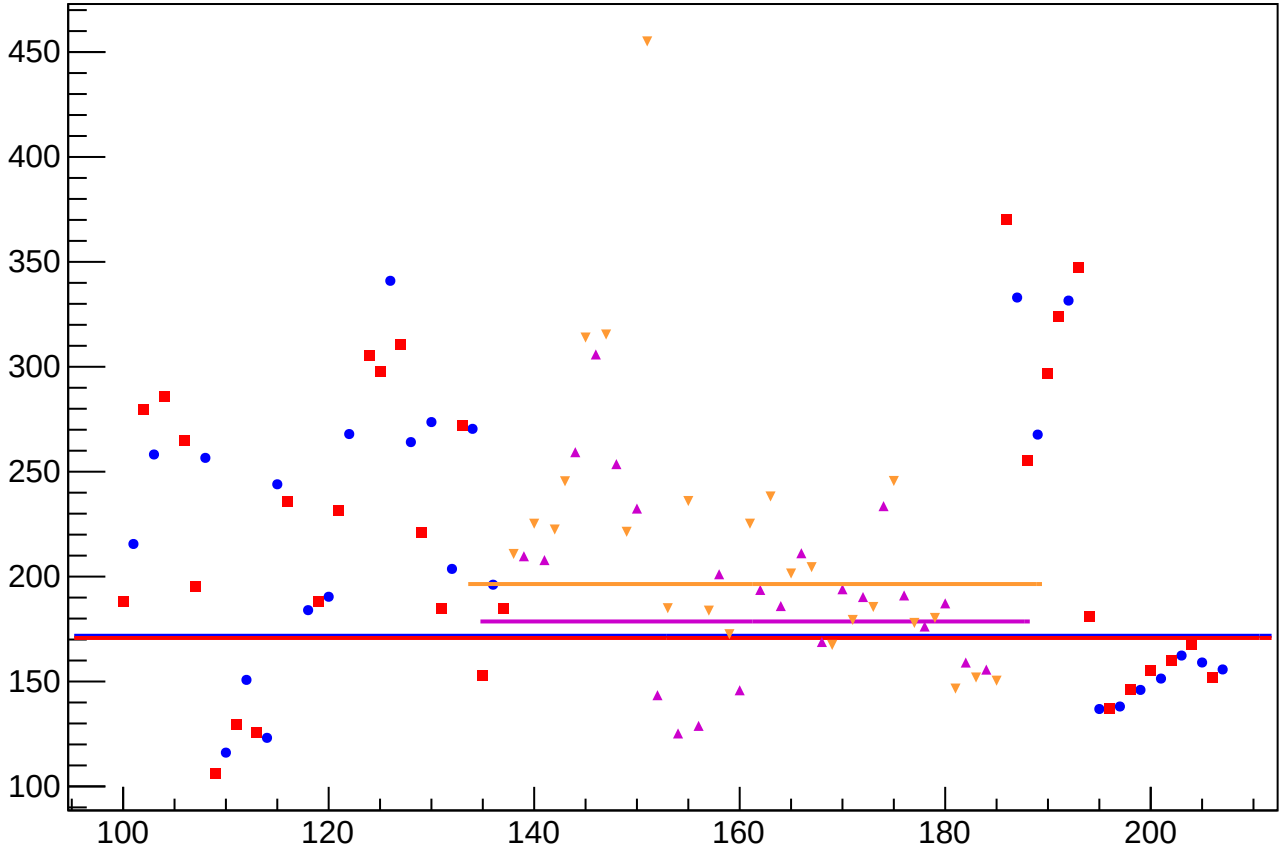
Right: -199.233+/-32.332 χ^2/NDF: 52.9/56

In: -26.825+/-31.846 χ^2/NDF:59.4/48

Out: -35.276+/-32.242 χ^2/NDF:65.2/55

All: -30.998+/-22.657 χ^2/NDF: 124.6/104

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.793+/-0.033 χ^2/NDF: 2223610.6/25

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

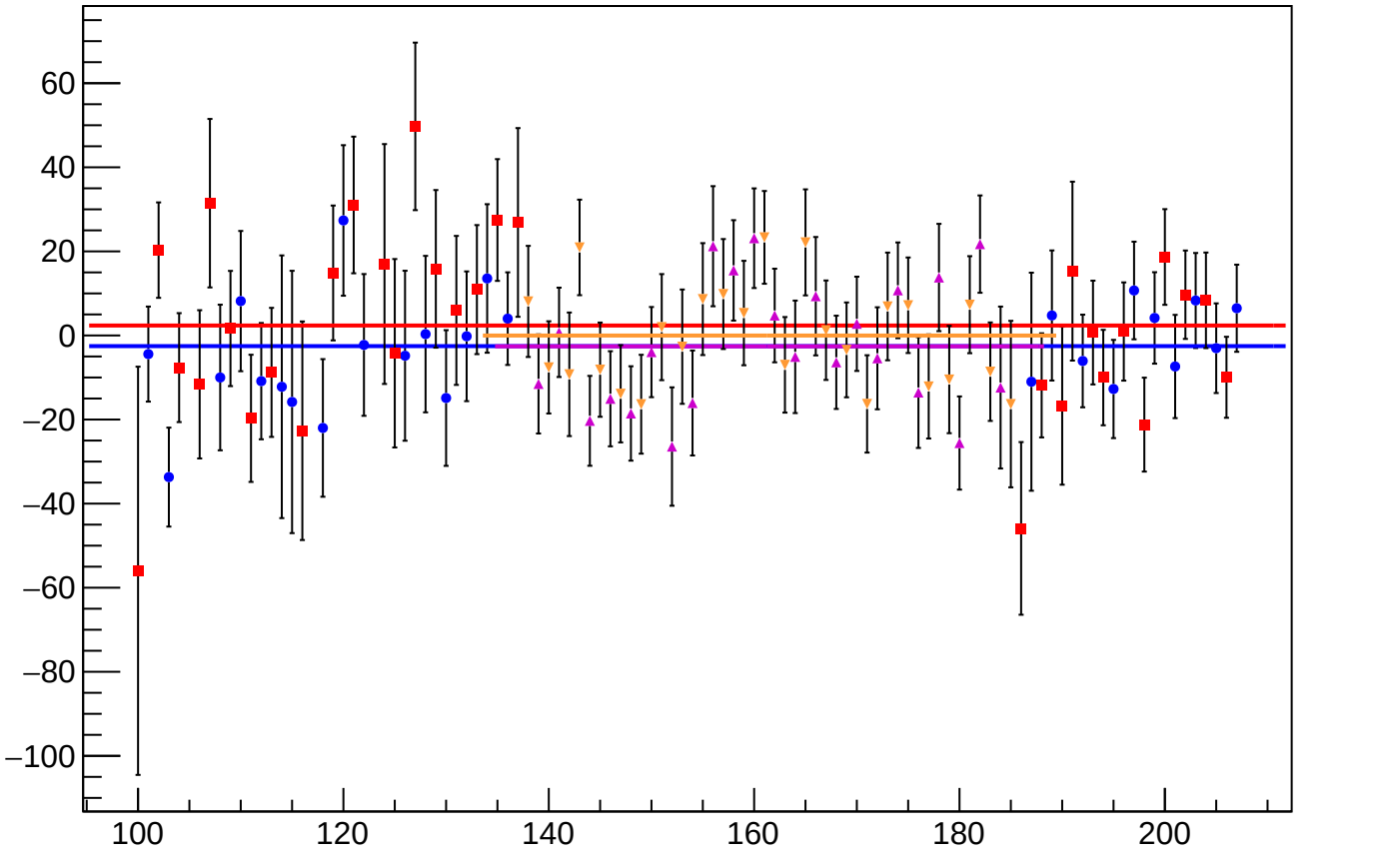
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 171.253+/-0.023 χ^2/NDF: 5156677.3/56

In: 175.425+/-0.023 χ^2/NDF:3925313.8/48

Out: 183.212+/-0.023 χ^2/NDF:5068760.4/55

All: 179.270+/-0.016 χ^2/NDF: 9053125.0/104



Right In: -2.536+/-2.731 χ^2/NDF: 19.0/25

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

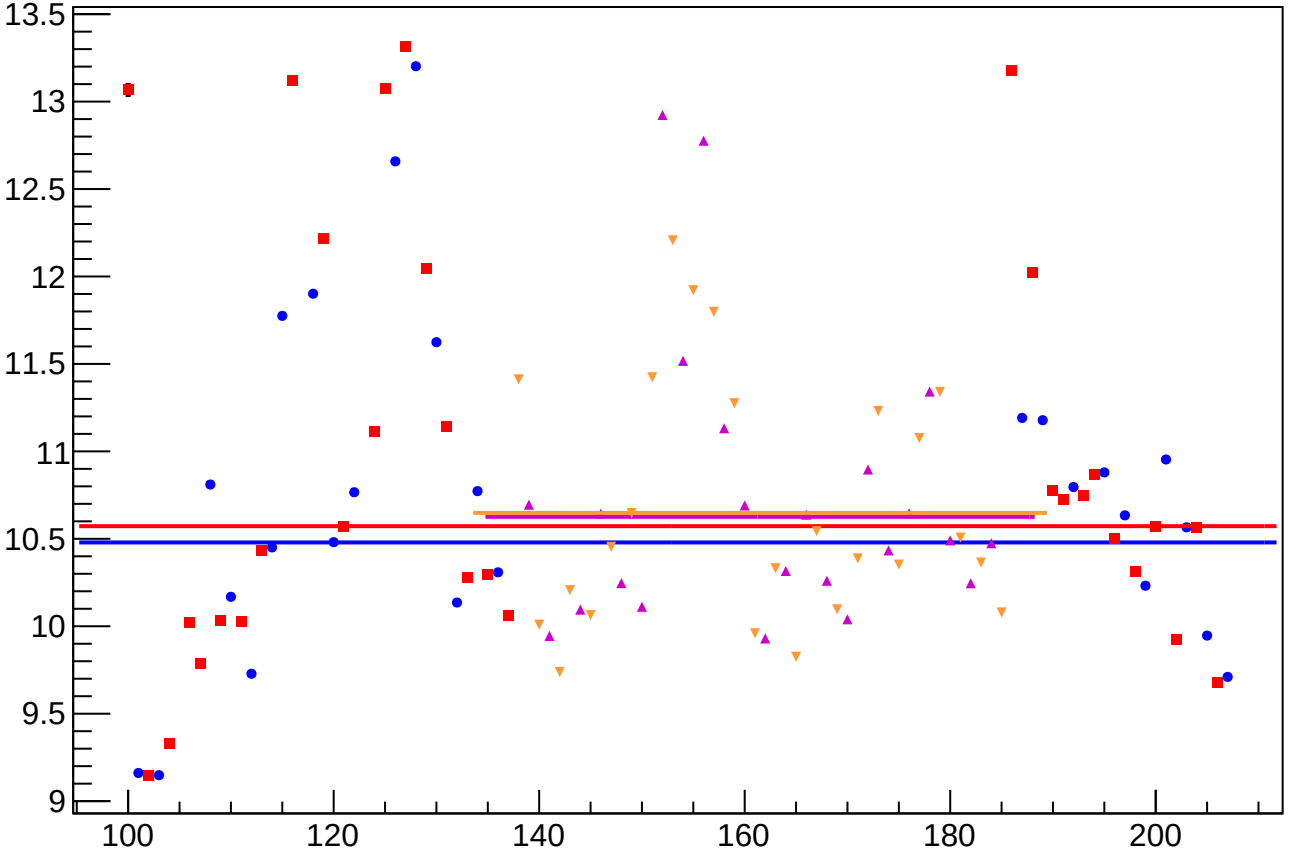
Right: 0.007+/-1.894 χ^2/NDF: 64.7/56

In: -2.566+/-1.846 χ^2/NDF:53.8/48

Out: 1.087+/-1.790 χ^2/NDF:68.2/55

All: -0.683+/-1.285 χ^2/NDF: 124.0/104

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.479+/-0.002 χ^2/NDF: 187455.2/25

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

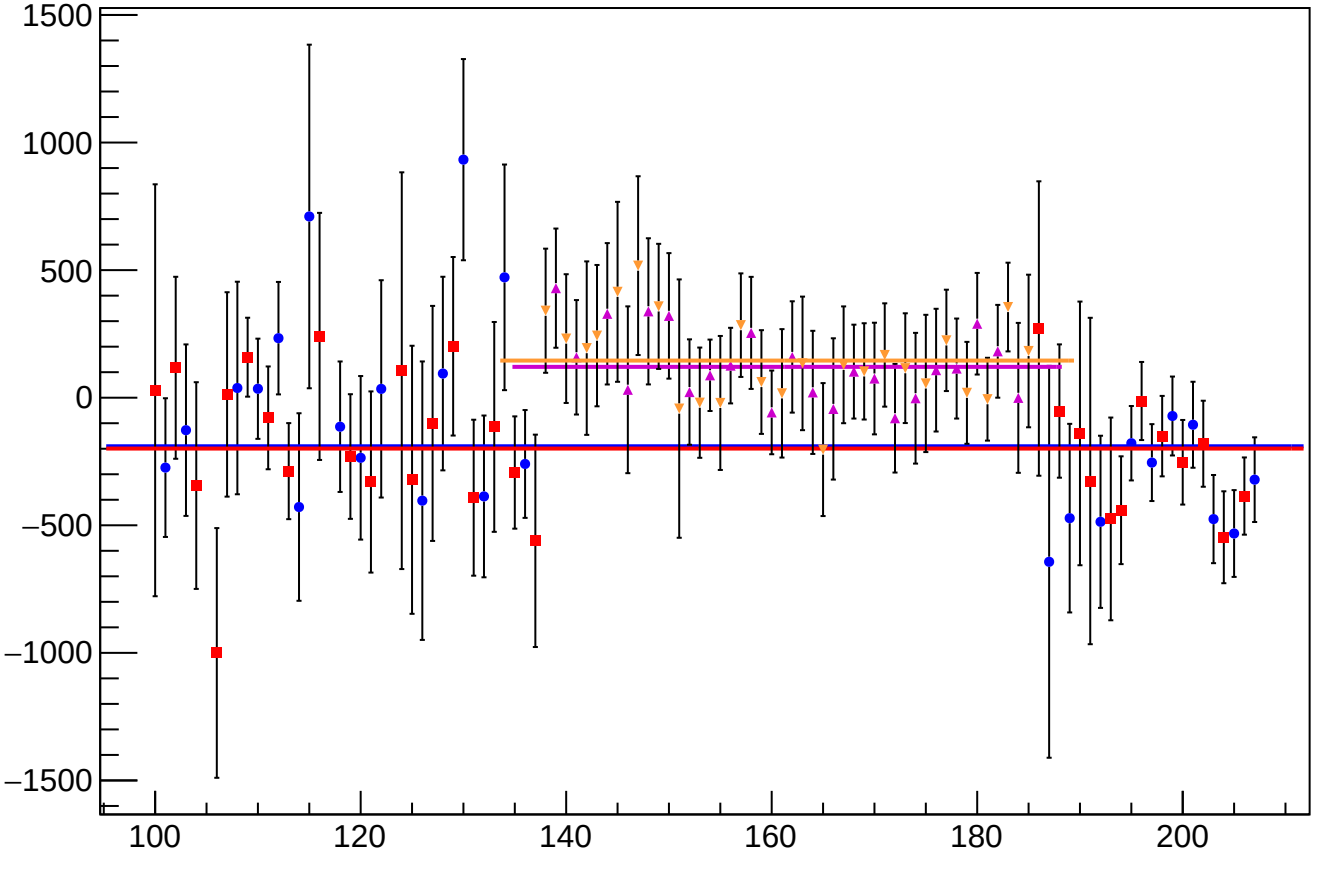
Right: 10.528+/-0.001 χ^2/NDF: 463398.8/56

In: 10.559+/-0.001 χ^2/NDF:350119.0/48

Out: 10.613+/-0.001 χ^2/NDF:419169.7/55

All: 10.587+/-0.001 χ^2/NDF: 770180.4/104

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -190.346+/-46.659 χ^2/NDF: 29.7/25

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

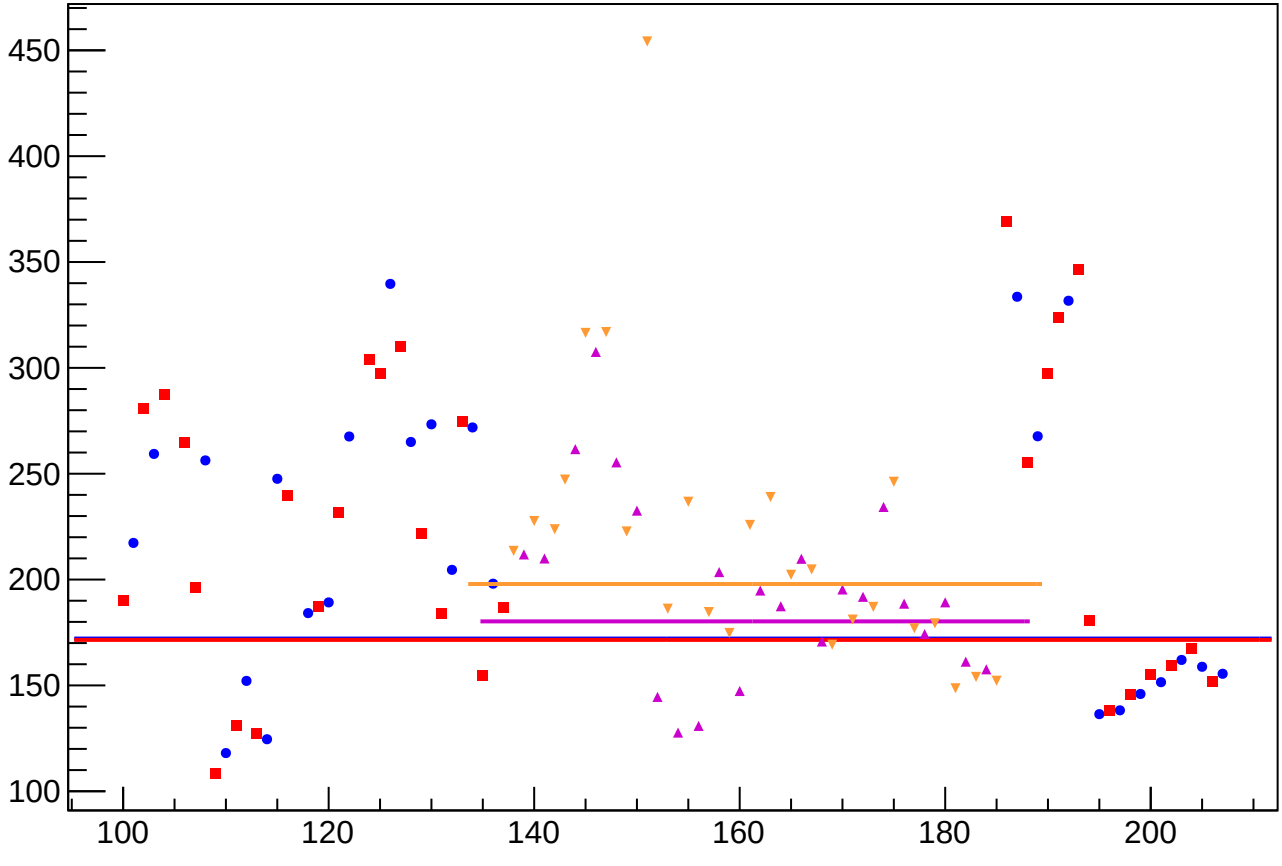
Right: -194.984+/-32.416 χ^2/NDF: 53.3/56

In: -25.588+/-32.009 χ^2/NDF:61.5/48

Out: -32.691+/-32.401 χ^2/NDF:62.1/55

All: -29.096+/-22.771 χ^2/NDF: 123.7/104

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.124+/-0.033 χ^2/NDF: 2219286.9/25

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

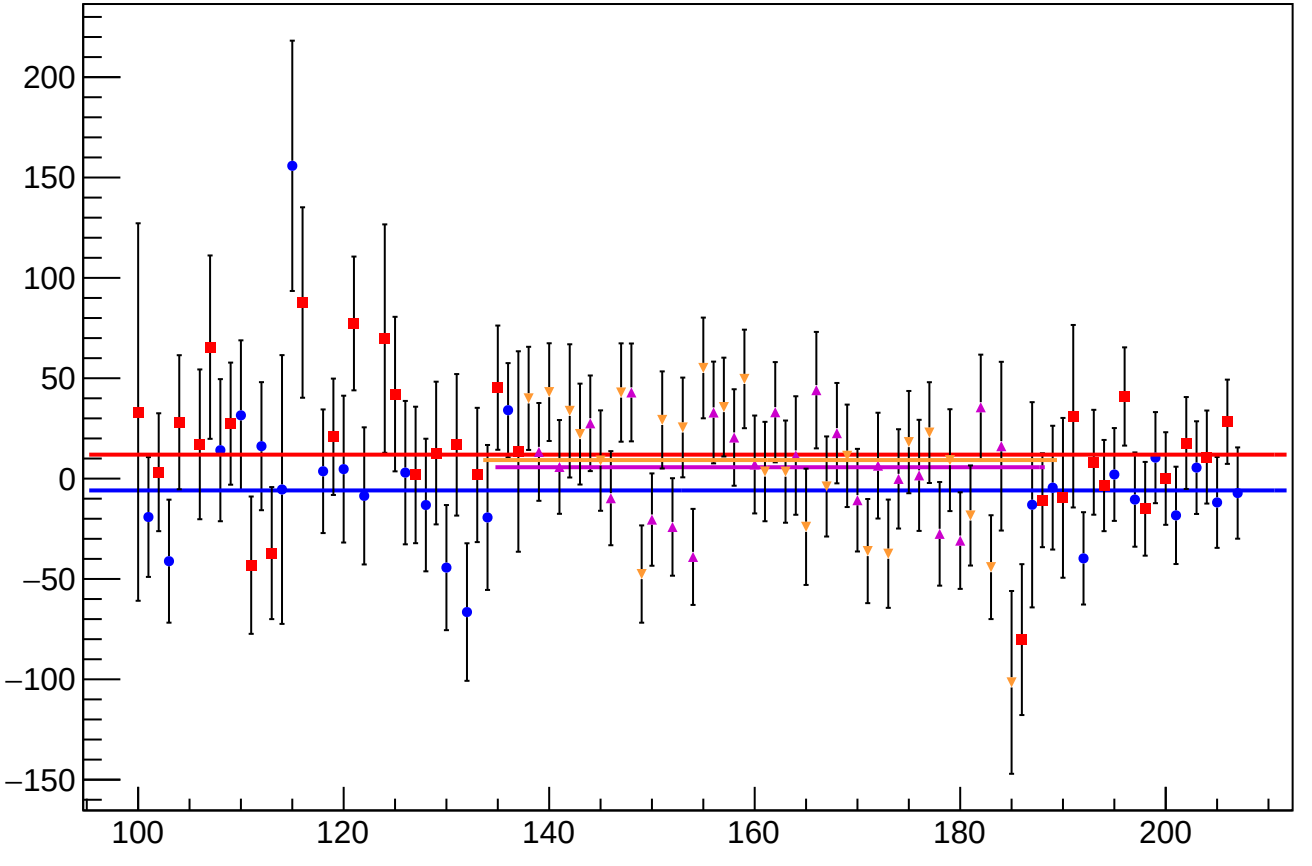
Right: 171.803+/-0.023 χ^2/NDF: 5099369.2/56

In: 176.425+/-0.023 χ^2/NDF:3879158.6/48

Out: 184.253+/-0.023 χ^2/NDF:4999984.6/55

All: 180.291+/-0.016 χ^2/NDF: 8938223.4/104

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.894+/-5.735 χ^2/NDF: 21.5/25

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

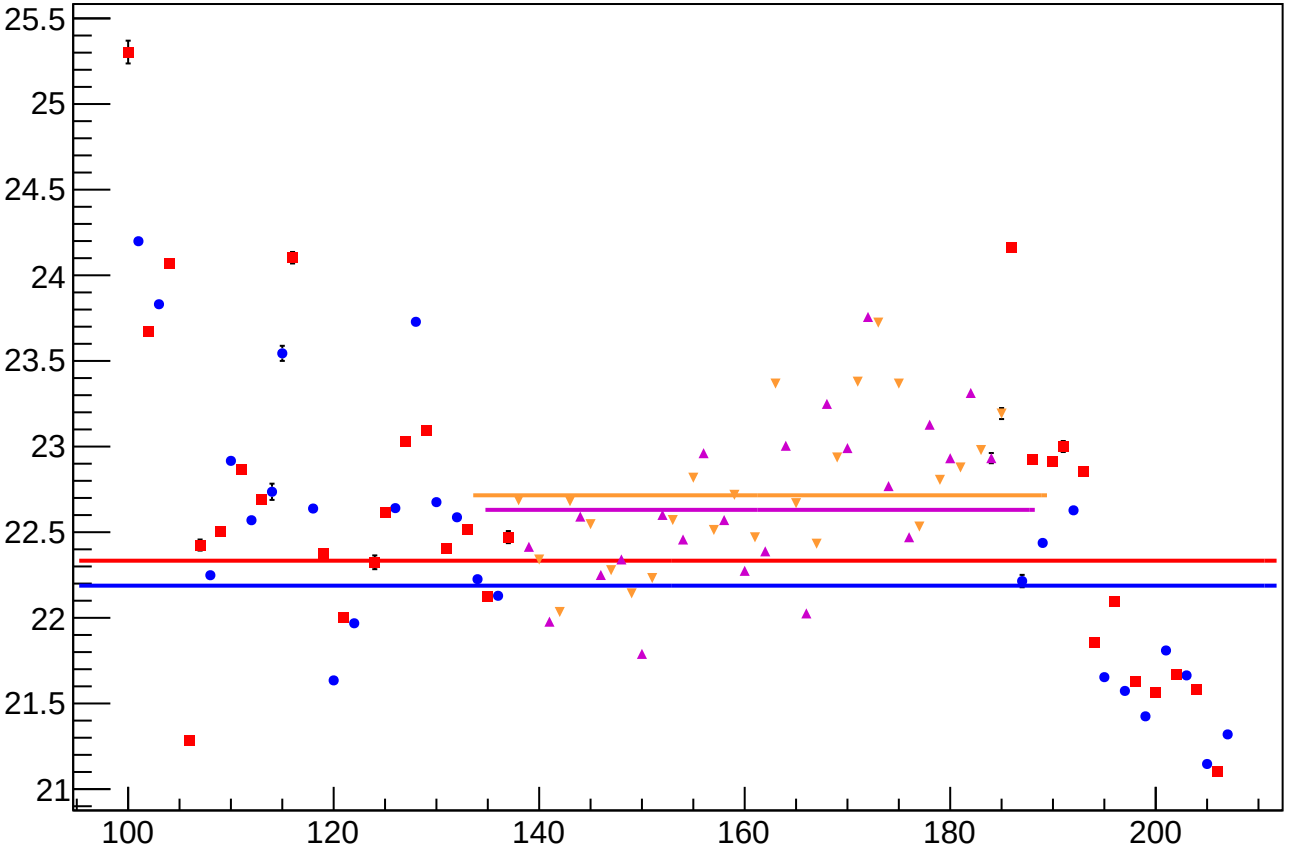
Right: 3.389+/-3.971 χ^2/NDF: 54.4/56

In: 0.357+/-3.887 χ^2/NDF:44.5/48

Out: 10.500+/-3.765 χ^2/NDF:67.5/55

All: 5.589+/-2.704 χ^2/NDF: 115.5/104

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.188+/-0.004 χ^2/NDF: 37613.5/25

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

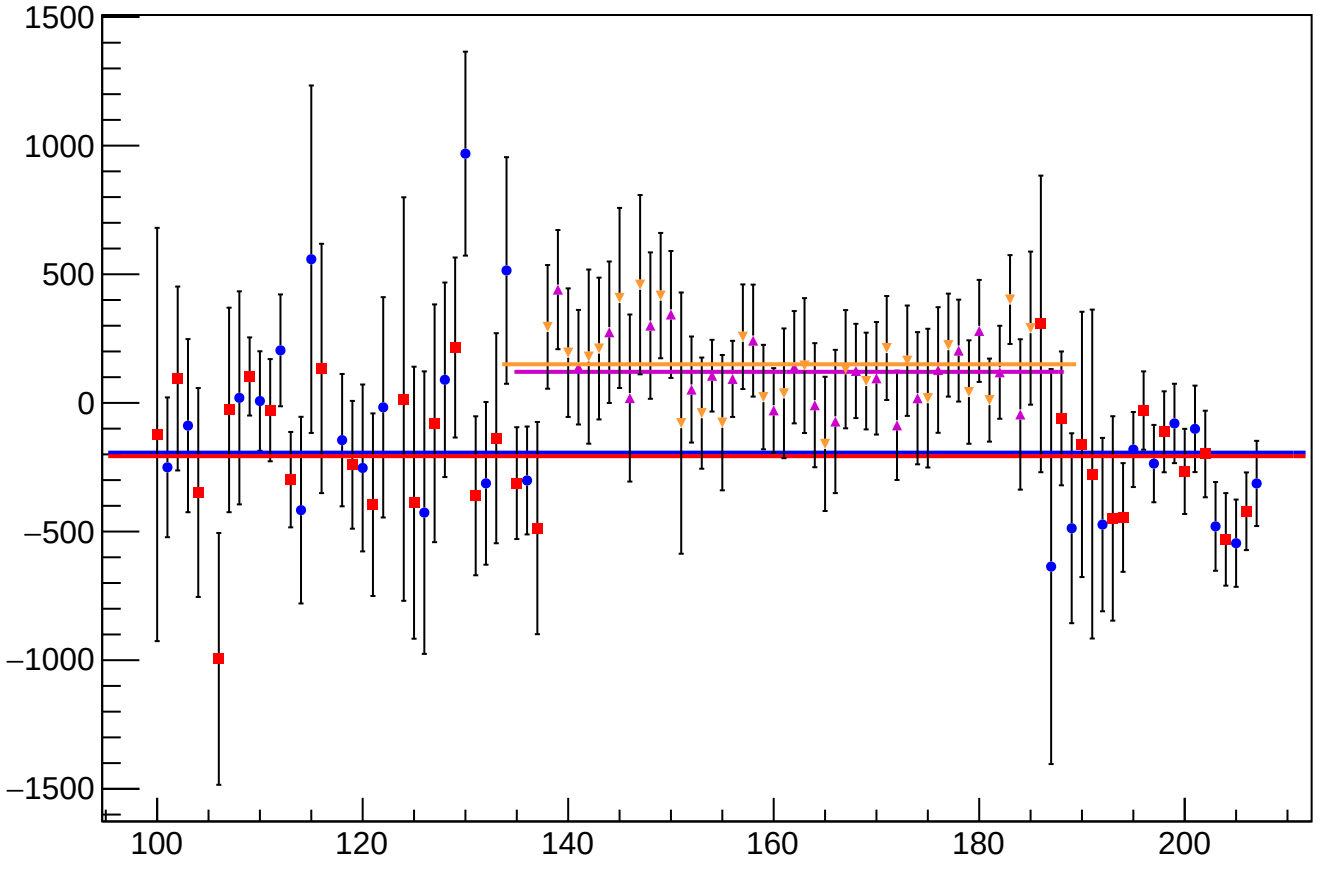
Right: 22.264+/-0.003 χ^2/NDF: 80620.7/56

In: 22.427+/-0.003 χ^2/NDF:59446.1/48

Out: 22.537+/-0.003 χ^2/NDF:59636.3/55

All: 22.484+/-0.002 χ^2/NDF: 119901.9/104

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -193.318+/-46.525 χ^2/NDF: 29.2/25

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

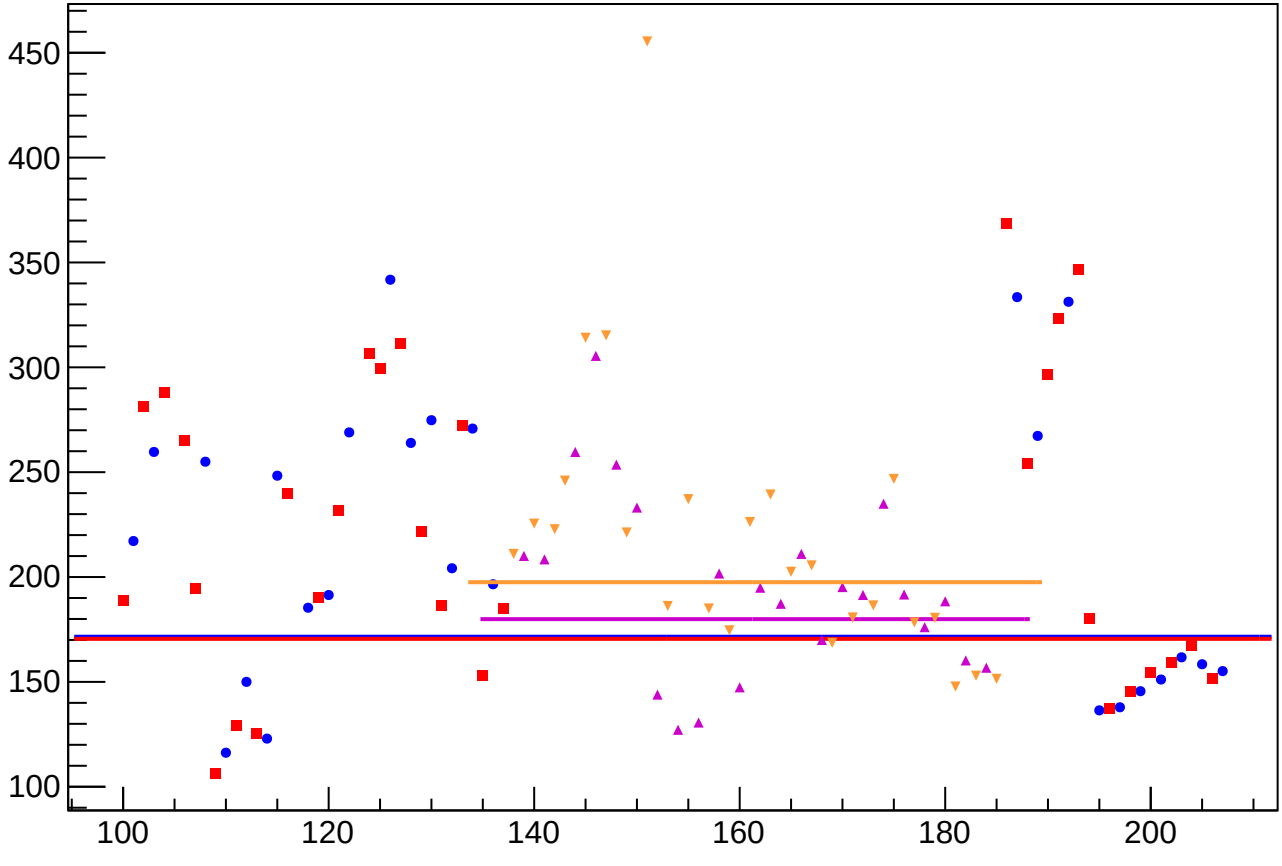
Right: -200.434+/-32.297 χ^2/NDF: 51.5/56

In: -27.239+/-31.937 χ^2/NDF:61.2/48

Out: -34.921+/-32.301 χ^2/NDF:63.7/55

All: -31.037+/-22.711 χ^2/NDF: 124.9/104

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 171.534+/-0.033 χ^2/NDF: 2248947.9/25

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

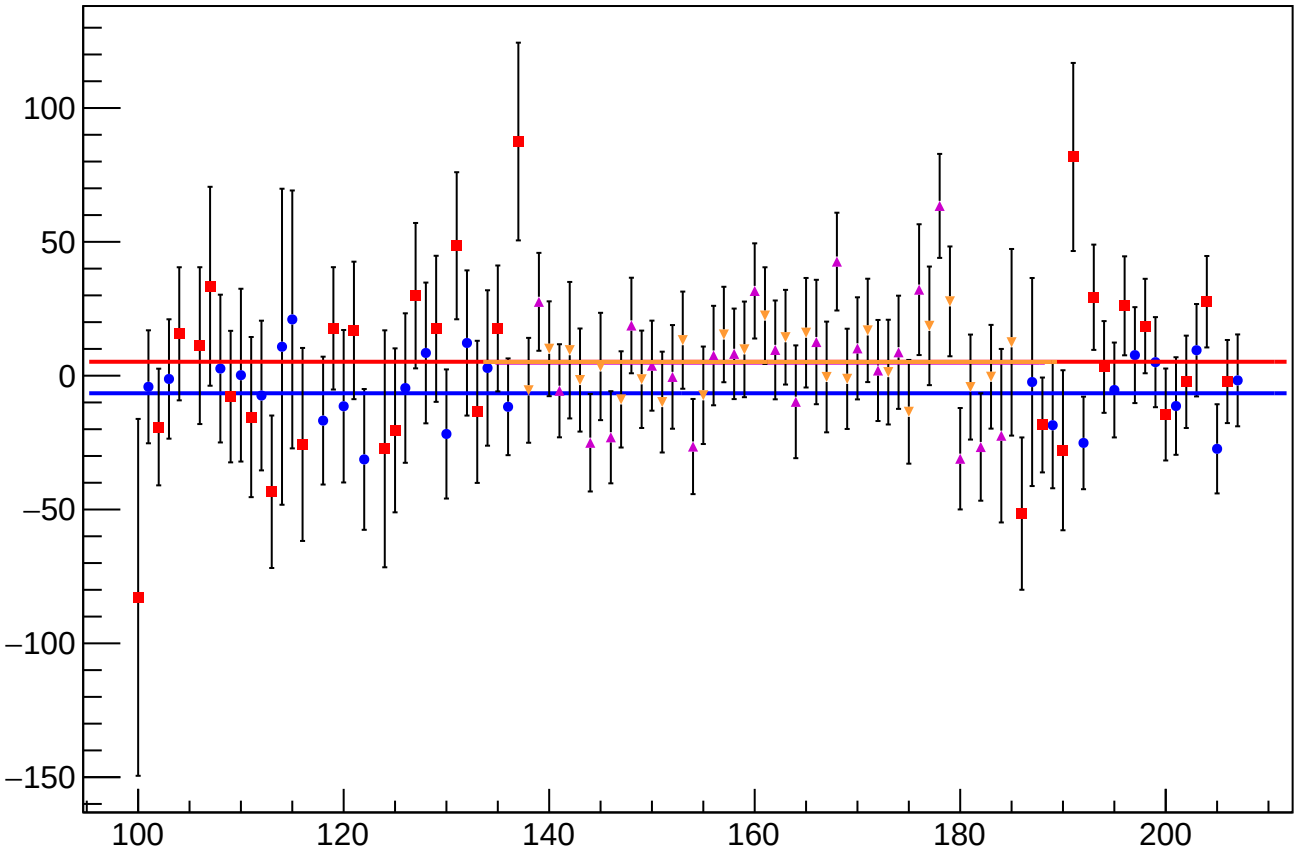
Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

Right: 171.013+/-0.023 χ^2/NDF: 5202507.7/56

In: 175.970+/-0.023 χ^2/NDF:3907479.8/48

Out: 183.540+/-0.023 χ^2/NDF:5091998.8/55

All: 179.712+/-0.016 χ^2/NDF: 9055021.6/104



Right In: -6.568+/-4.385 χ^2/NDF: 8.2/25

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

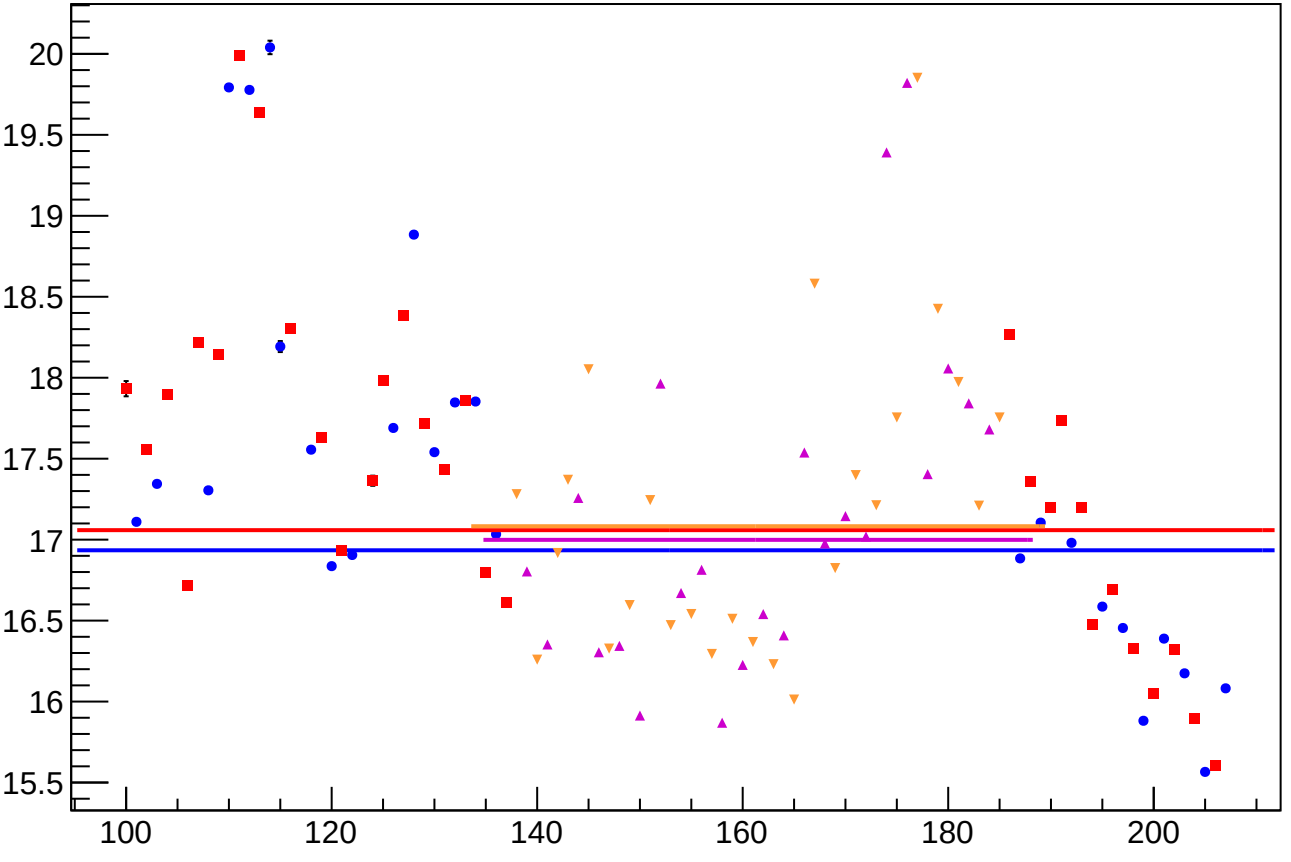
Right: -0.445+/-3.037 χ^2/NDF: 49.7/56

In: -0.304+/-2.947 χ^2/NDF:47.5/48

Out: 5.157+/-2.857 χ^2/NDF:45.6/55

All: 2.511+/-2.051 χ^2/NDF: 94.9/104

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.934+/-0.003 χ^2/NDF: 98124.5/25

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

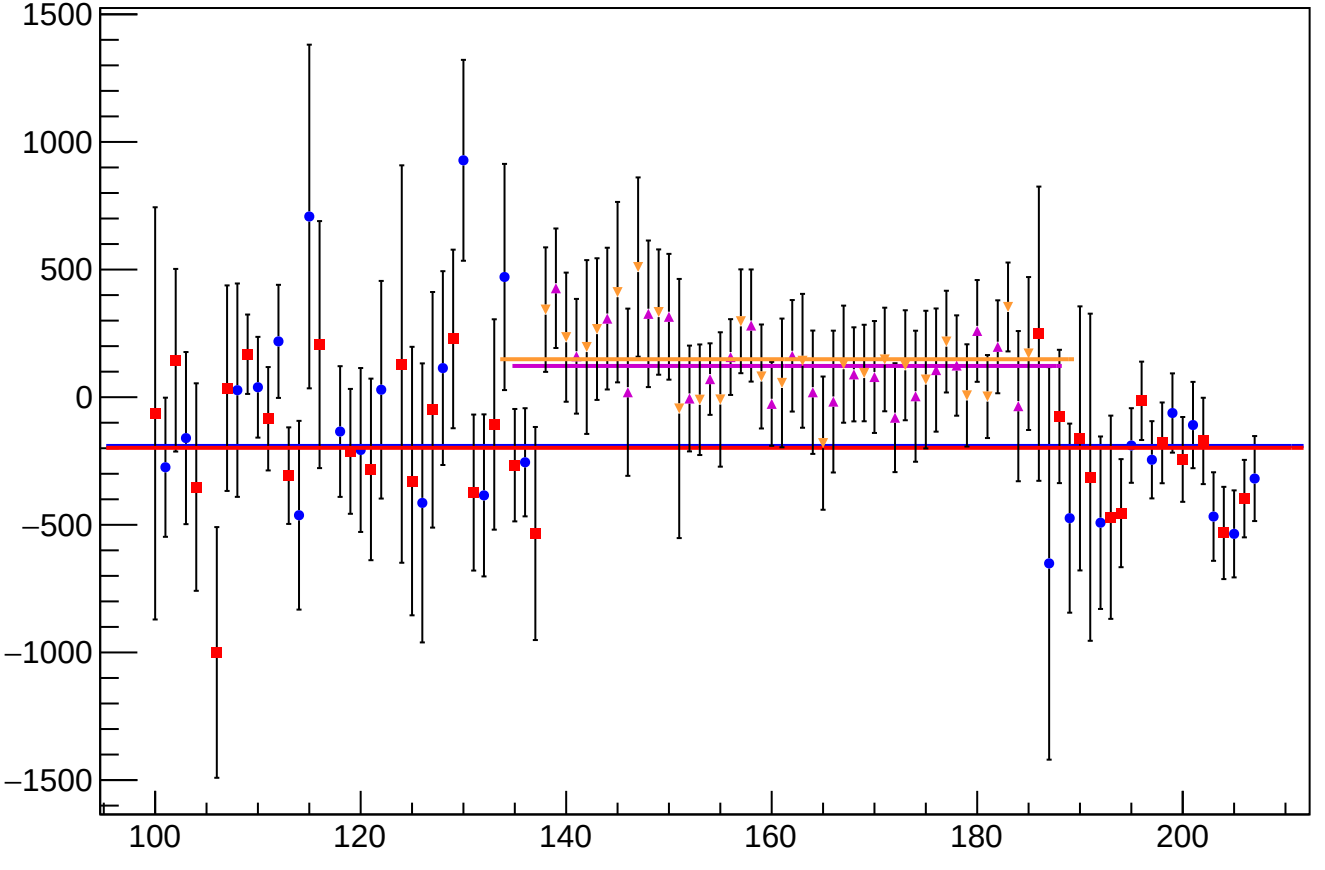
Right: 16.999+/-0.002 χ^2/NDF: 207586.6/56

In: 16.970+/-0.002 χ^2/NDF:202382.4/48

Out: 17.072+/-0.002 χ^2/NDF:205436.4/55

All: 17.022+/-0.001 χ^2/NDF: 409056.1/104

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -191.019+/-46.805 χ^2/NDF: 29.4/25

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

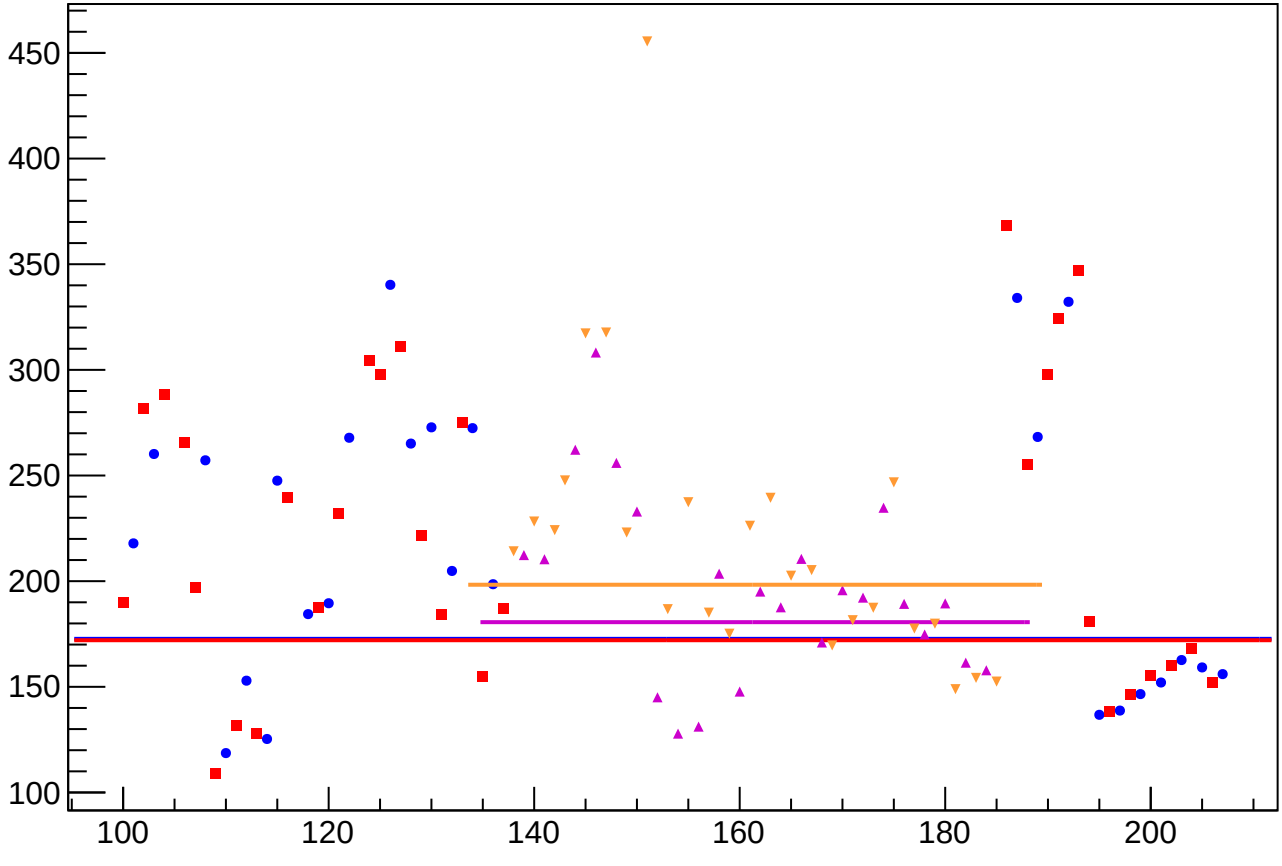
Right: -194.822+/-32.514 χ^2/NDF: 52.9/56

In: -24.937+/-32.090 χ^2/NDF:61.0/48

Out: -30.518+/-32.484 χ^2/NDF:61.5/55

All: -27.694+/-22.829 χ^2/NDF: 122.6/104

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.703+/-0.033 χ^2/NDF: 2206253.0/25

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

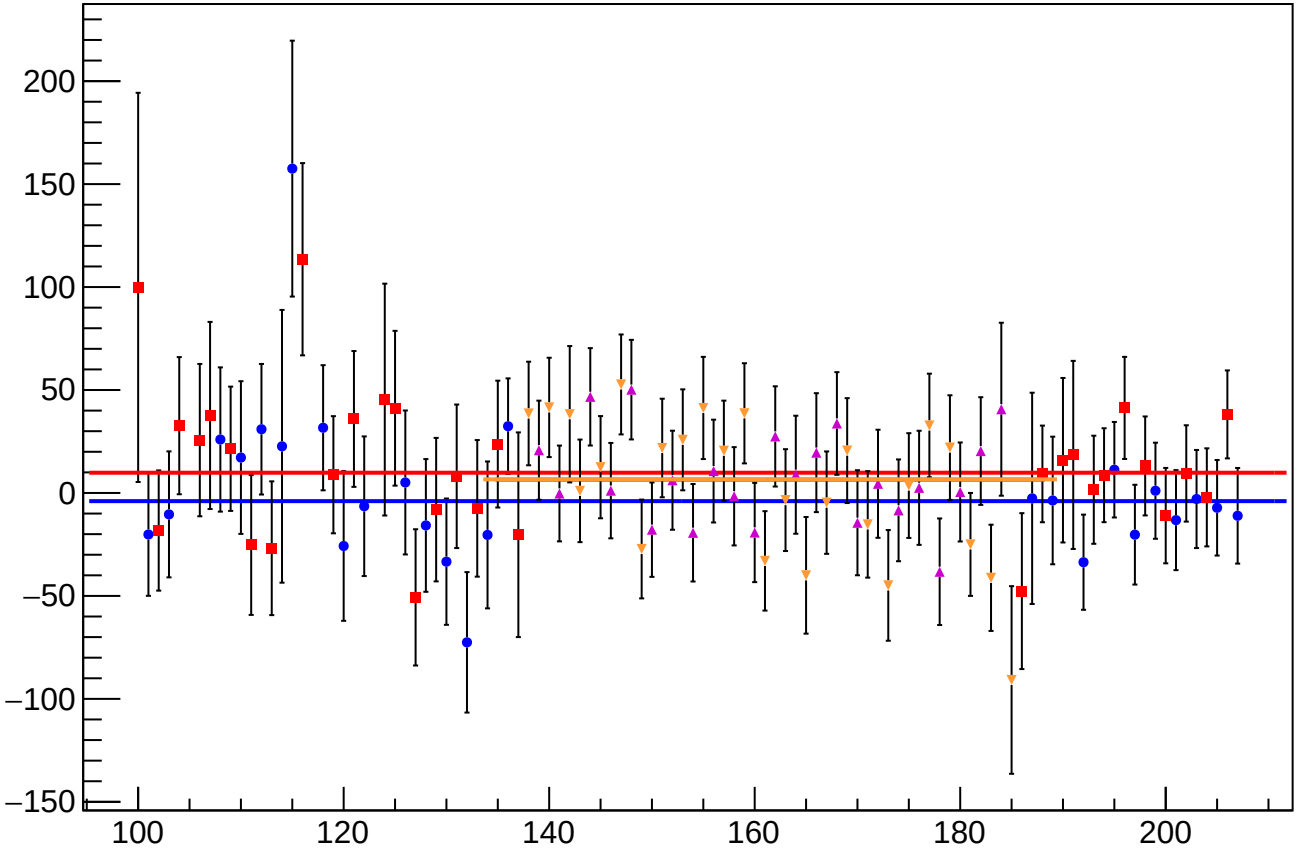
Right: 172.367+/-0.023 χ^2/NDF: 5069074.2/56

In: 176.888+/-0.023 χ^2/NDF:3864511.4/48

Out: 184.752+/-0.023 χ^2/NDF:4979272.5/55

All: 180.772+/-0.016 χ^2/NDF: 8903097.7/104

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.971+/-5.761 χ^2/NDF: 21.9/25

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

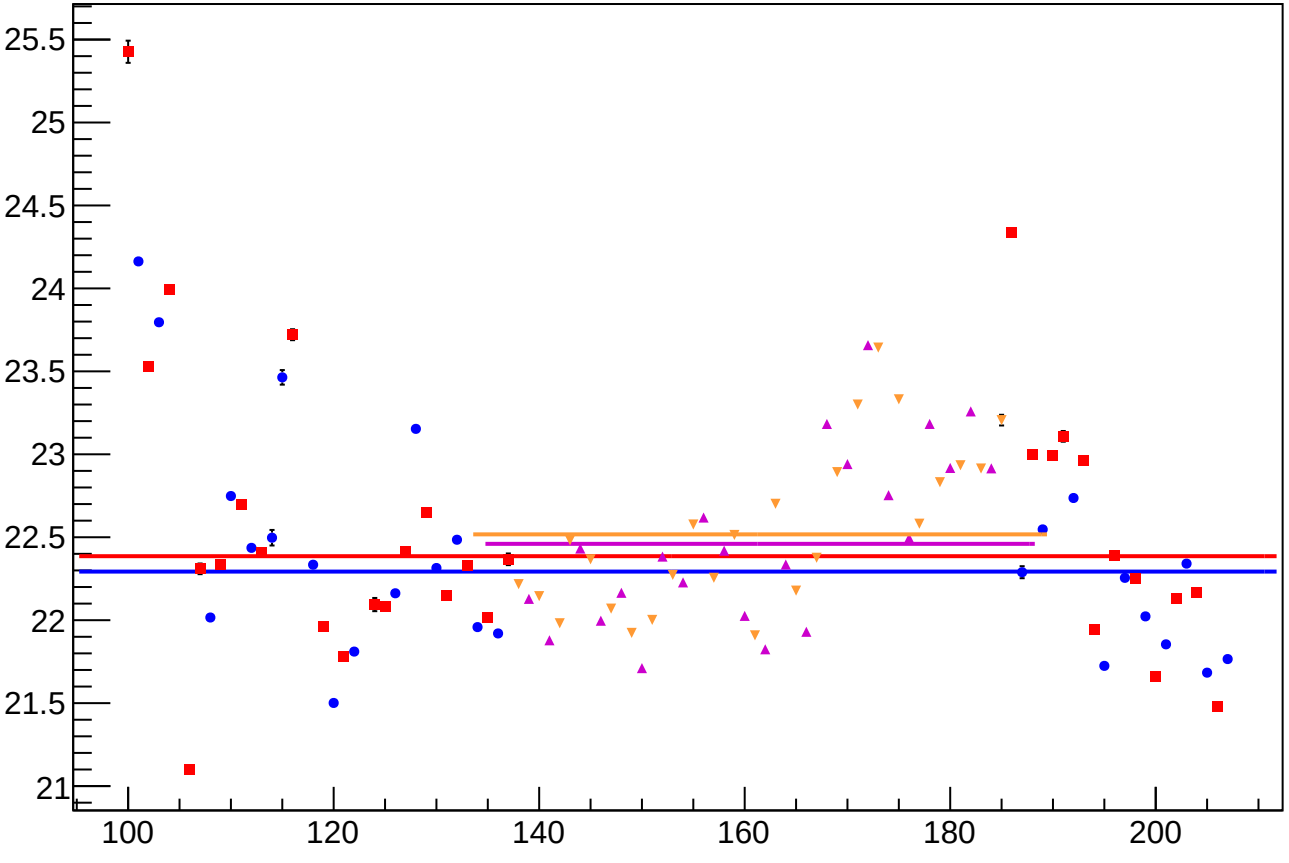
Right: 3.234+/-3.984 χ^2/NDF: 48.3/56

In: 1.743+/-3.879 χ^2/NDF:41.2/48

Out: 8.103+/-3.751 χ^2/NDF:60.5/55

All: 5.030+/-2.697 χ^2/NDF: 103.0/104

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.293+/-0.004 χ^2/NDF: 22879.6/25

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

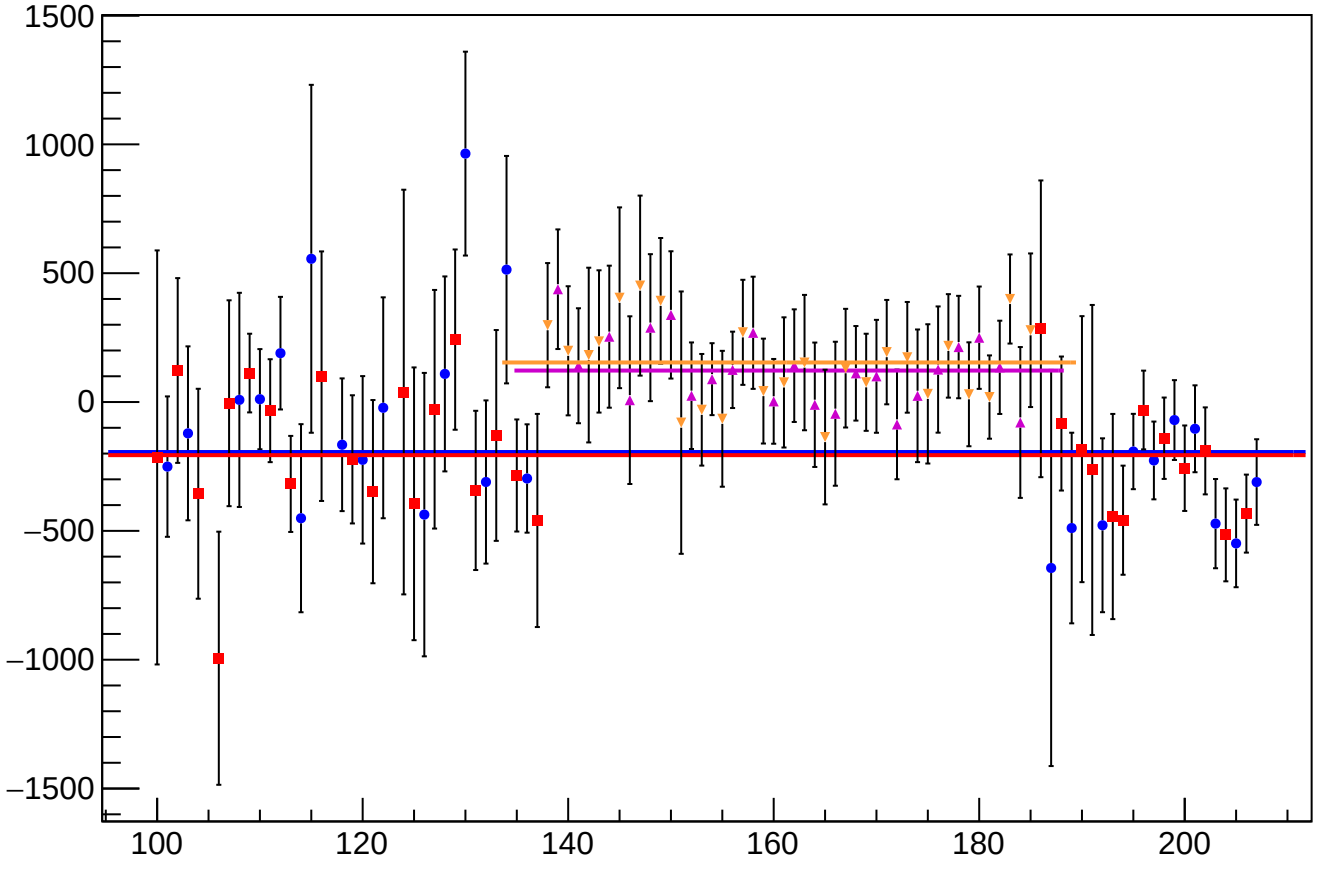
Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

Right: 22.341+/-0.003 χ^2/NDF: 54370.2/56

In: 22.384+/-0.003 χ^2/NDF:42917.5/48

Out: 22.457+/-0.003 χ^2/NDF:47834.0/55

All: 22.422+/-0.002 χ^2/NDF: 91108.7/104



Right In: -194.025+/-46.673 χ^2/NDF: 28.9/25

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

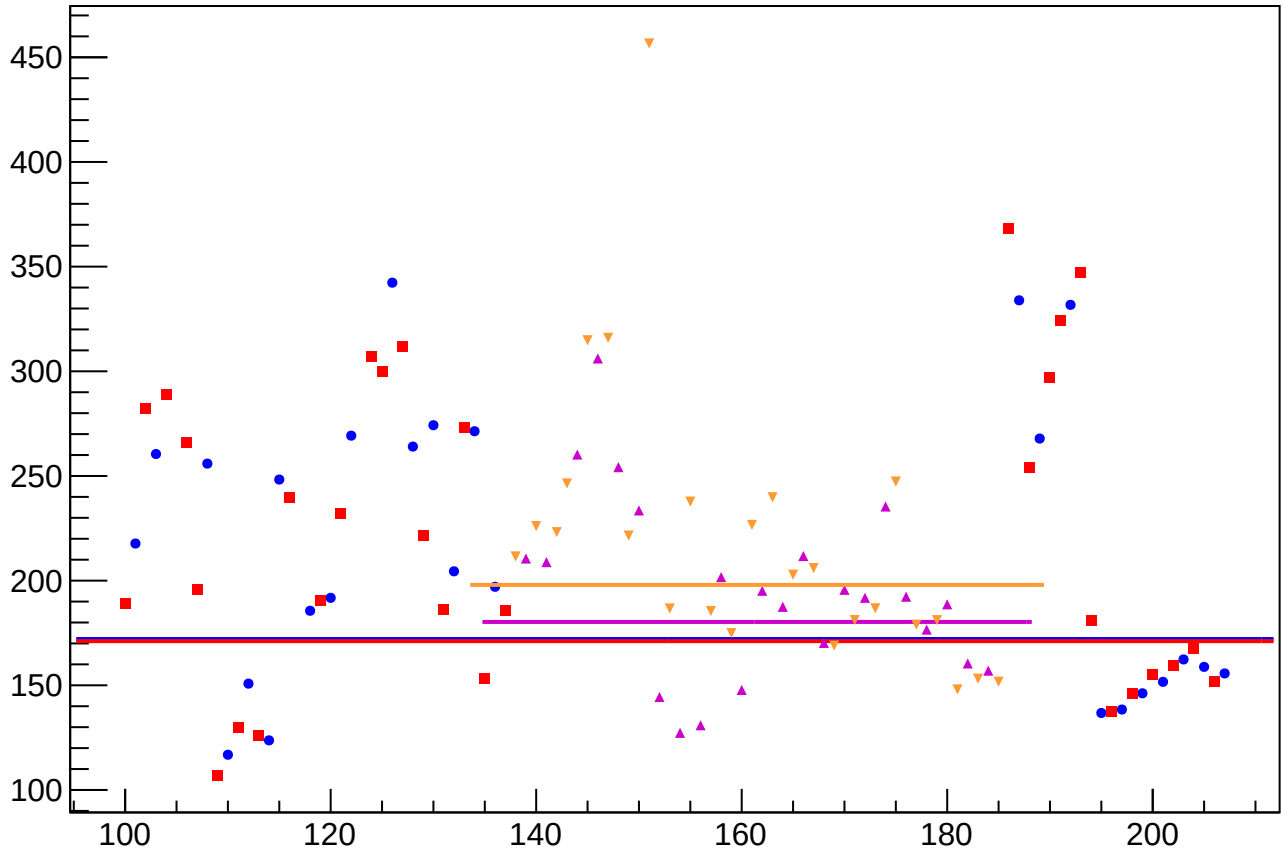
Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

Right: -200.299+/-32.396 χ^2/NDF: 51.0/56

In: -26.640+/-32.018 χ^2/NDF:60.6/48

Out: -32.715+/-32.384 χ^2/NDF:62.9/55

All: -29.643+/-22.769 χ^2/NDF: 123.6/104



Right In: 172.118+/-0.033 χ^2/NDF: 2235386.6/25

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

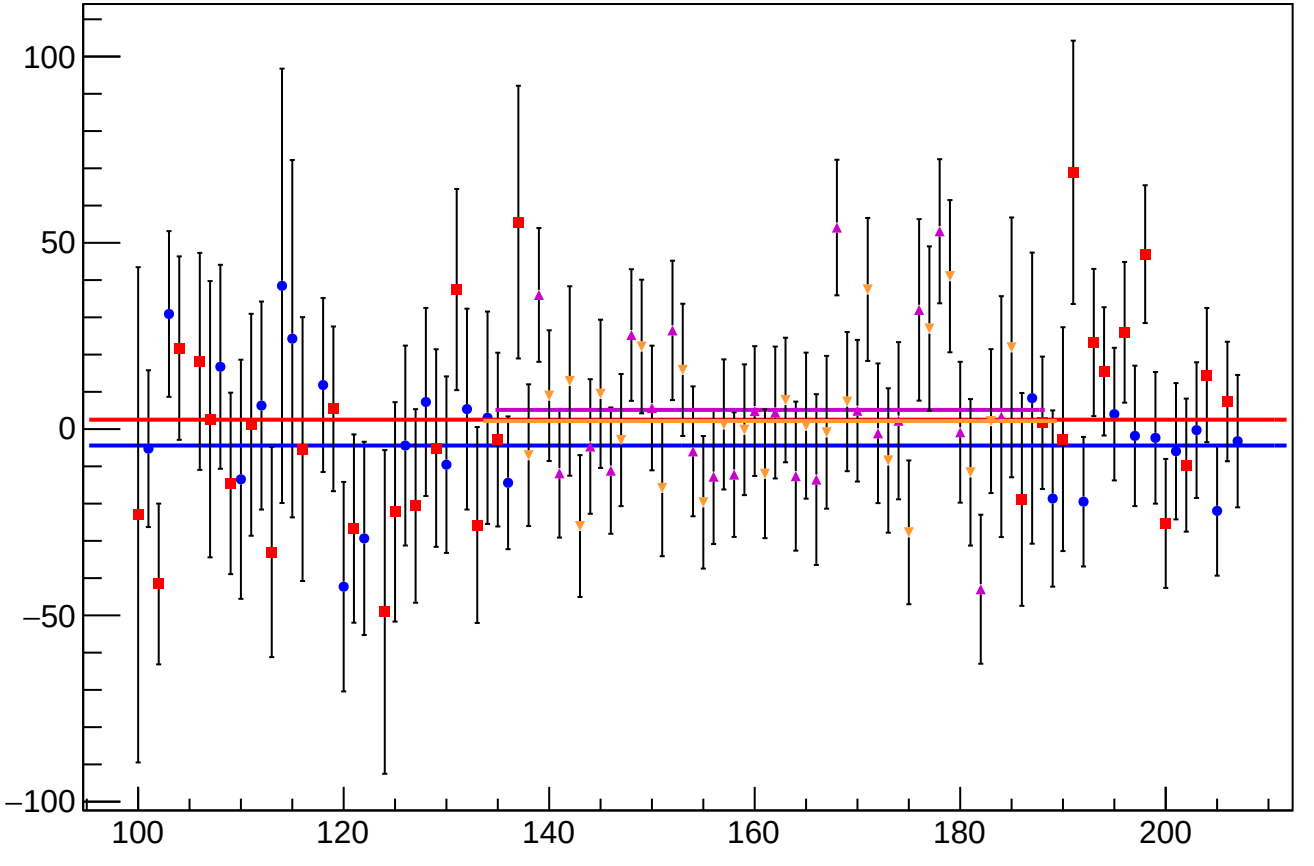
Right: 171.584+/-0.023 χ^2/NDF: 5170806.5/56

In: 176.436+/-0.023 χ^2/NDF:3892402.7/48

Out: 184.044+/-0.023 χ^2/NDF:5070053.4/55

All: 180.197+/-0.016 χ^2/NDF: 9018276.0/104

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.407+/-4.424 χ^2/NDF: 10.8/25

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

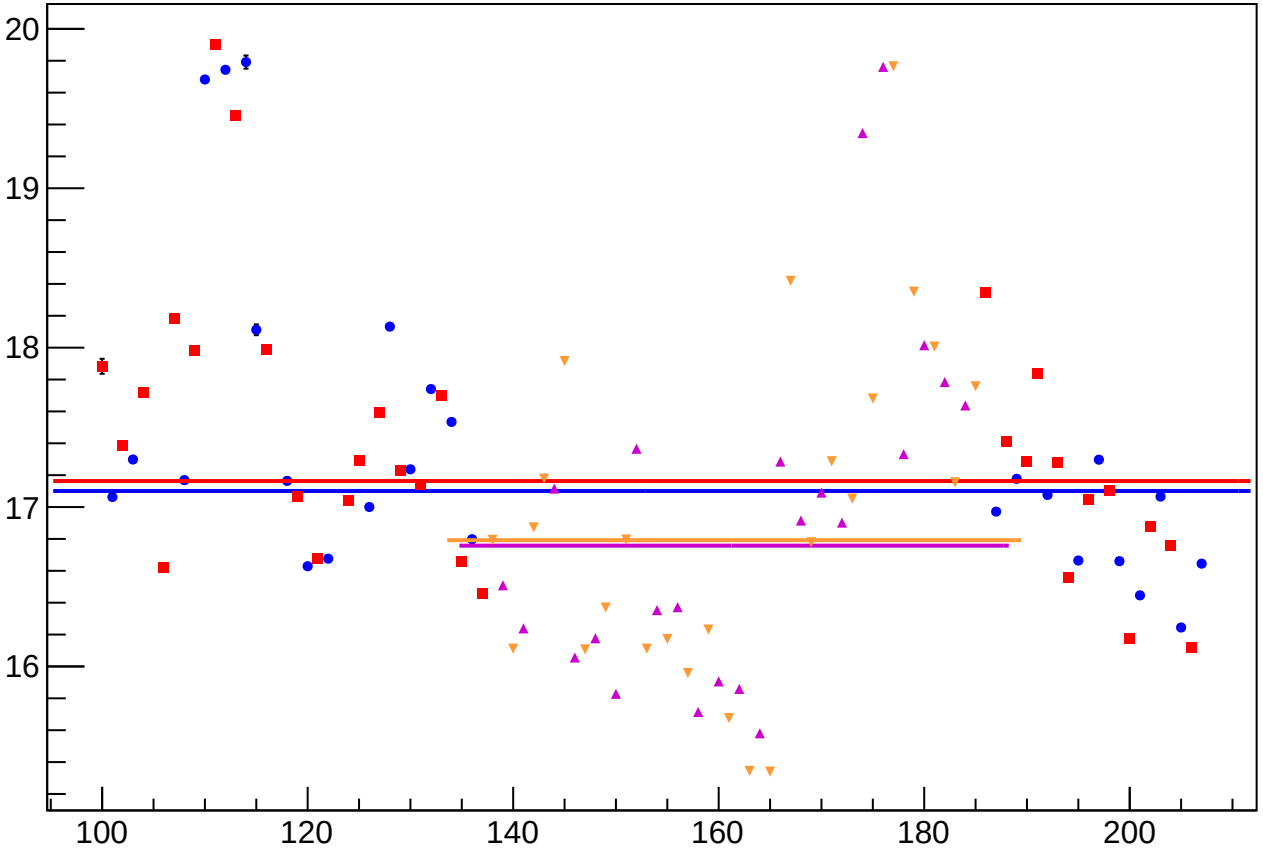
Right: -0.786+/-3.059 χ^2/NDF: 45.5/56

In: 0.942+/-2.936 χ^2/NDF:45.7/48

Out: 2.333+/-2.838 χ^2/NDF:53.4/55

All: 1.661+/-2.040 χ^2/NDF: 99.2/104

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.101+/-0.003 χ^2/NDF: 54348.4/25

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

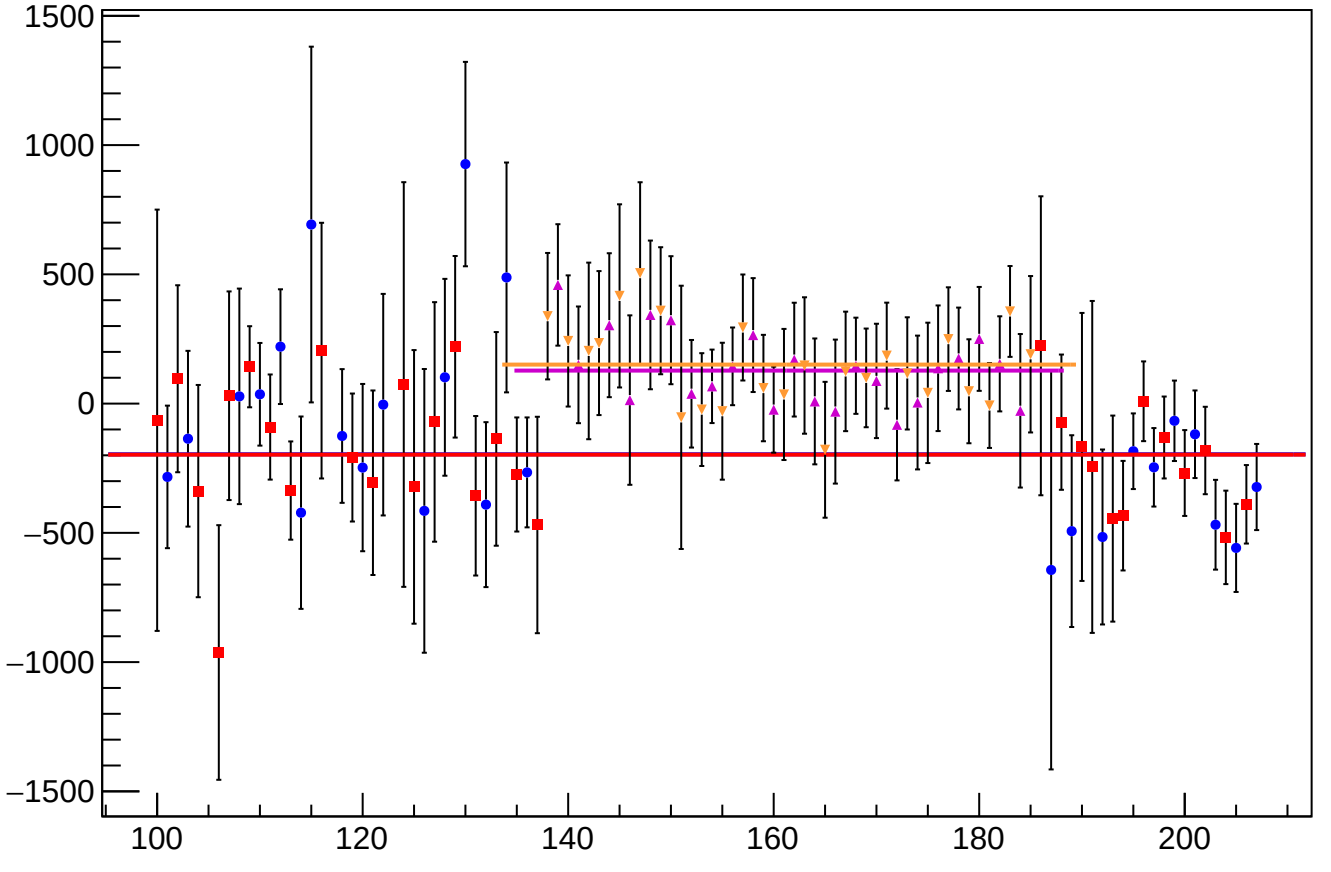
Right: 17.133+/-0.002 χ^2/NDF: 119340.3/56

In: 16.909+/-0.002 χ^2/NDF:184383.8/48

Out: 16.959+/-0.002 χ^2/NDF:210251.5/55

All: 16.935+/-0.001 χ^2/NDF: 394935.2/104

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -196.066+/-46.950 χ^2/NDF: 29.8/25

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

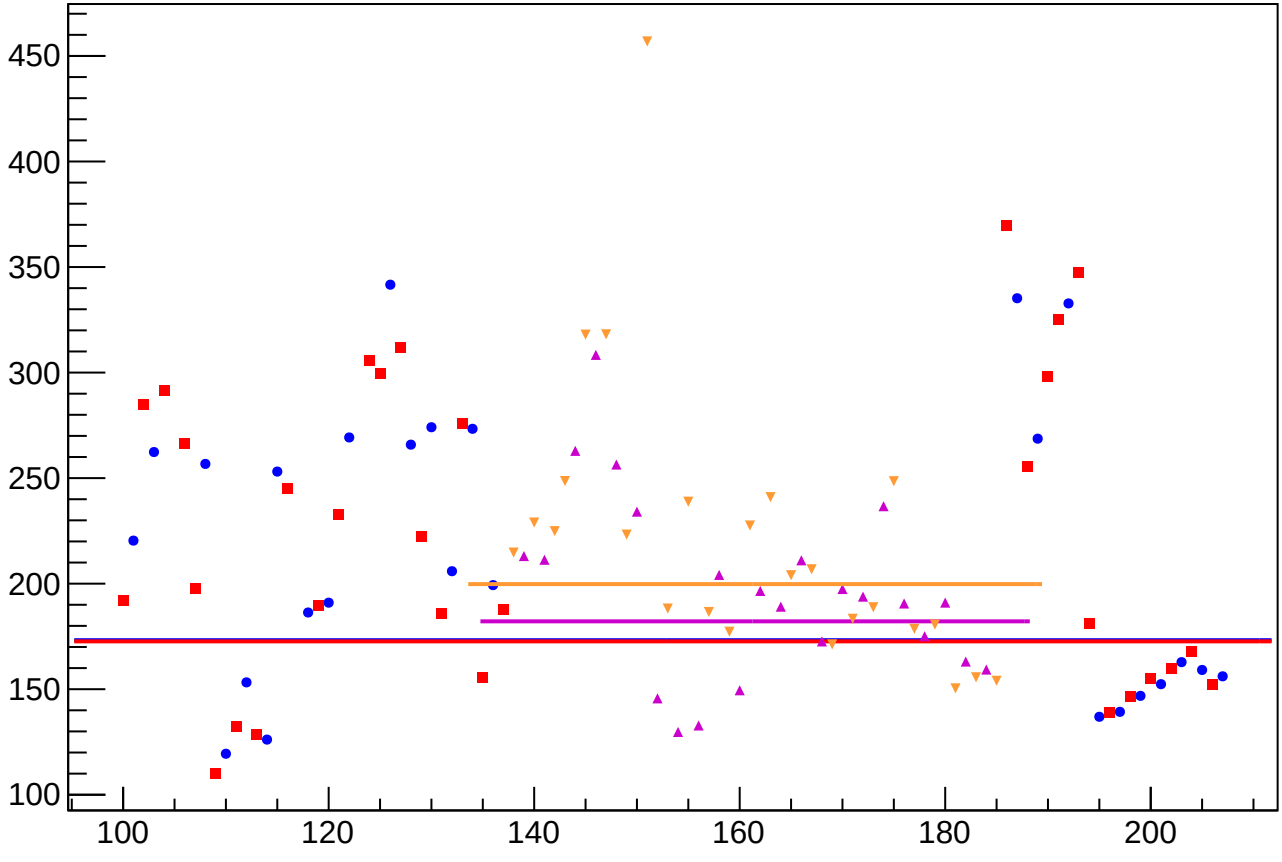
Right: -196.798+/-32.621 χ^2/NDF: 51.4/56

In: -25.242+/-32.270 χ^2/NDF:62.7/48

Out: -29.627+/-32.649 χ^2/NDF:60.0/55

All: -27.409+/-22.951 χ^2/NDF: 122.7/104

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.216+/-0.033 χ^2/NDF: 2217264.5/25

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

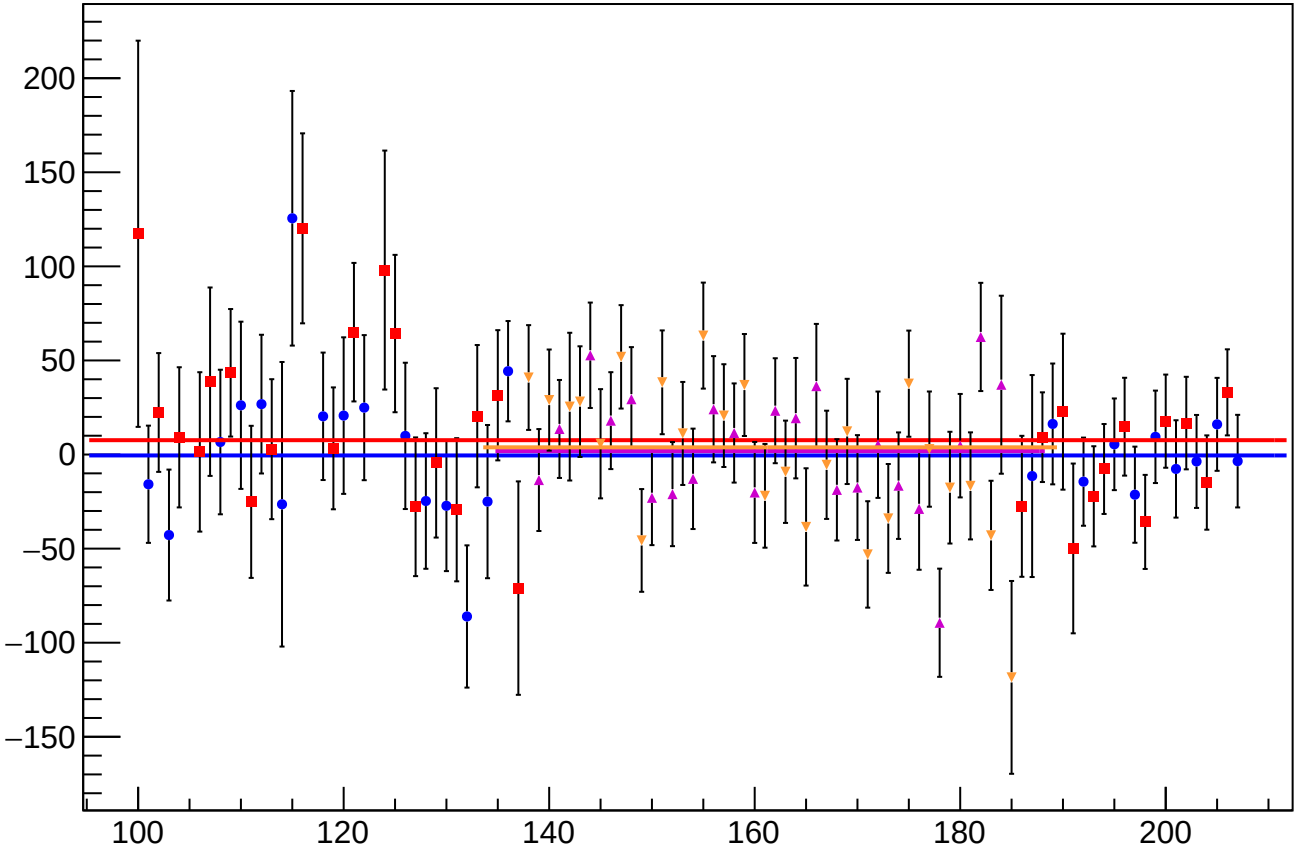
Right: 172.930+/-0.023 χ^2/NDF: 5084211.5/56

In: 177.930+/-0.023 χ^2/NDF:3839828.3/48

Out: 185.731+/-0.023 χ^2/NDF:4971701.9/55

All: 181.785+/-0.016 χ^2/NDF: 8869295.7/104

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.483+/-6.237 χ^2/NDF: 18.9/25

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

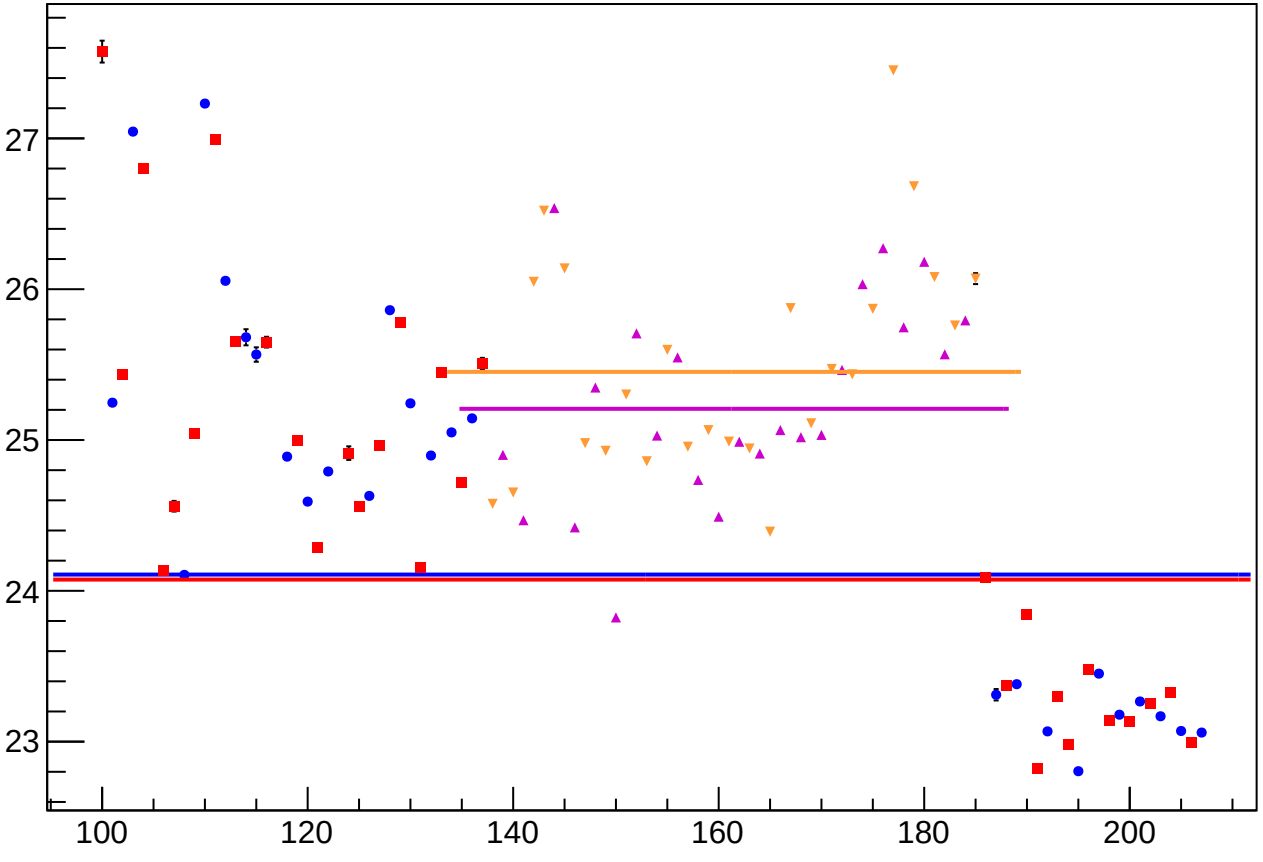
Right: 3.772+/-4.300 χ^2/NDF: 48.8/56

In: 0.749+/-4.284 χ^2/NDF:47.0/48

Out: 5.681+/-4.145 χ^2/NDF:66.9/55

All: 3.297+/-2.979 χ^2/NDF: 114.6/104

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.108+/-0.004 χ^2/NDF: 75841.6/25

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

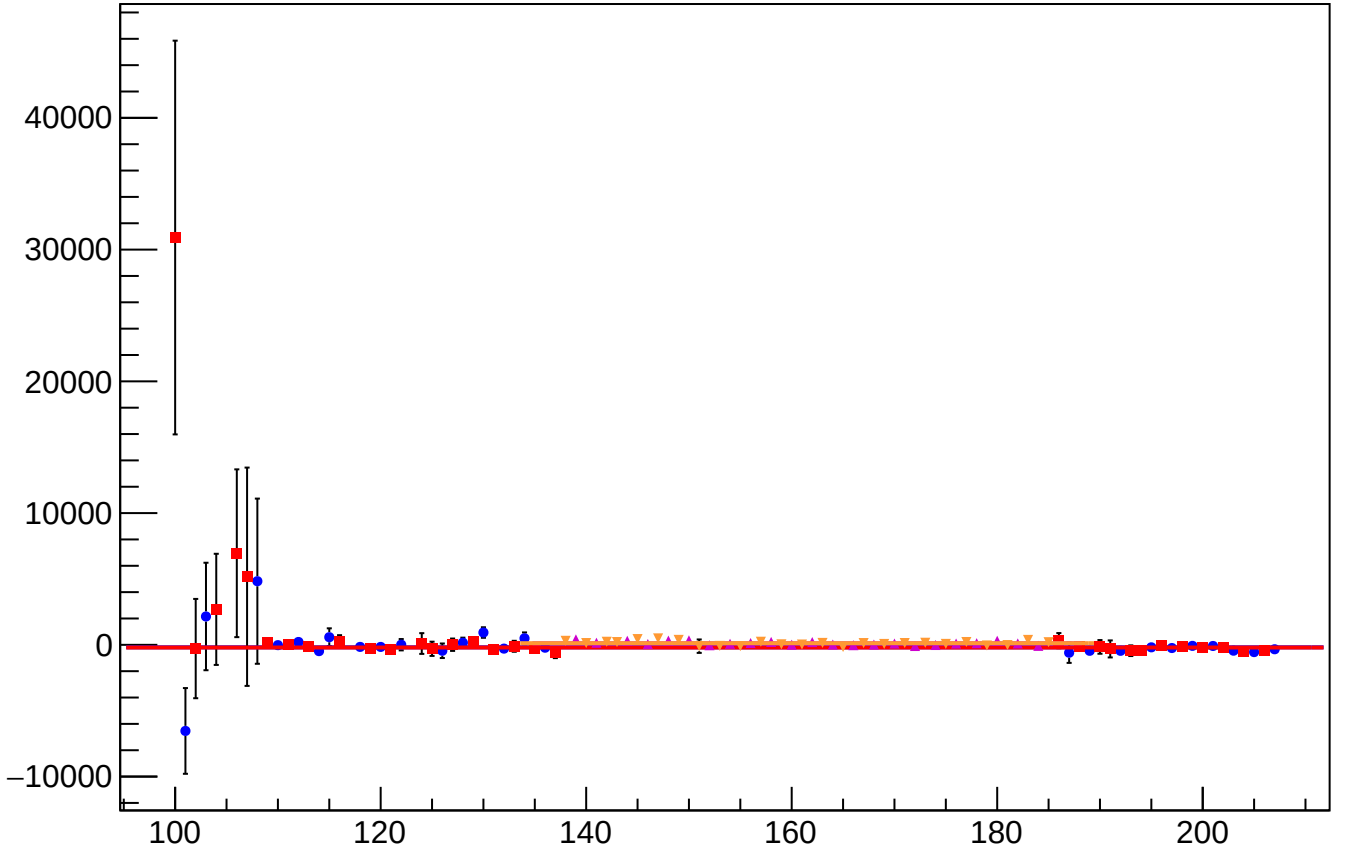
Right: 24.090+/-0.003 χ^2/NDF: 146648.2/56

In: 24.688+/-0.003 χ^2/NDF:134477.6/48

Out: 24.781+/-0.003 χ^2/NDF:155559.9/55

All: 24.736+/-0.002 χ^2/NDF: 290515.6/104

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -189.298+/-49.298 χ^2/NDF: 32.0/25

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

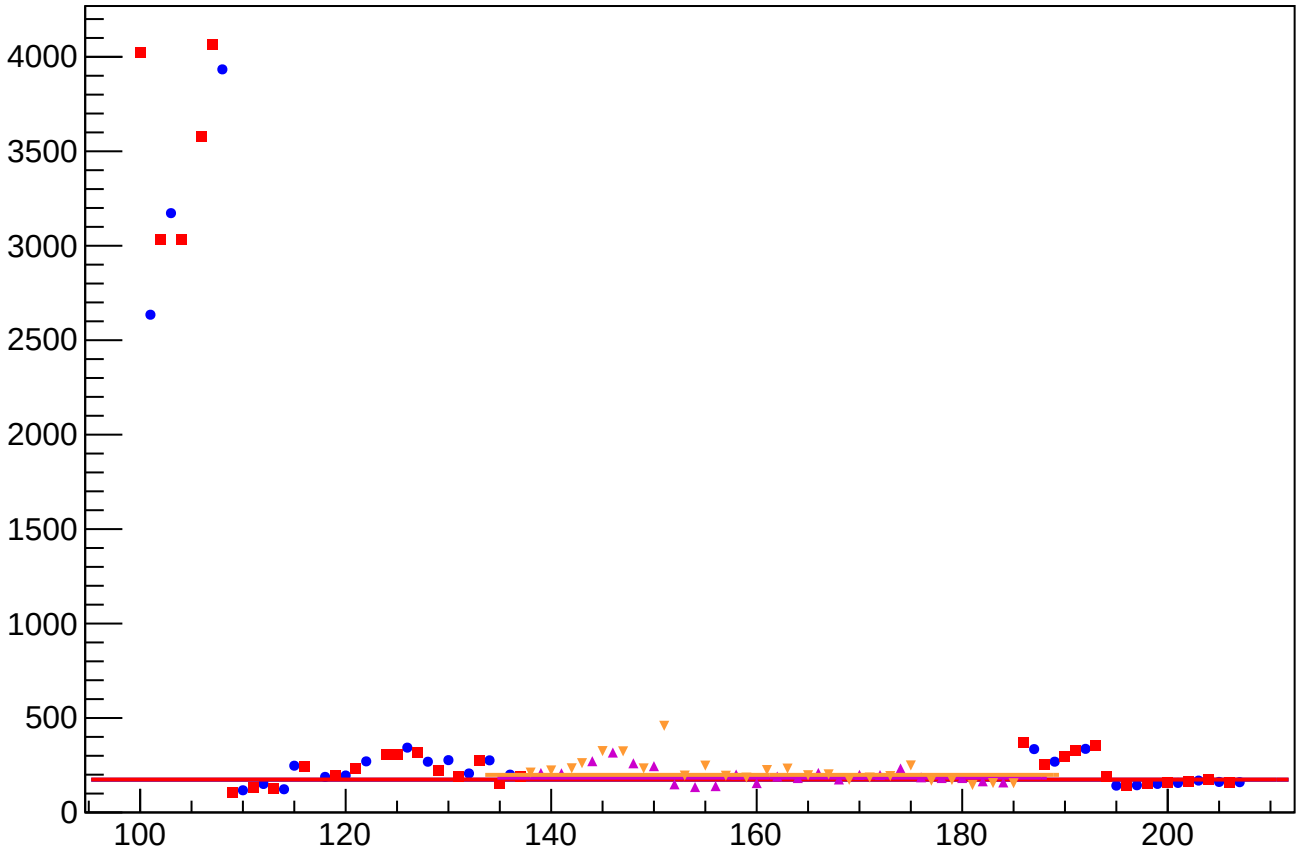
Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

Right: -196.591+/-34.482 χ^2/NDF: 56.5/56

In: -21.624+/-33.184 χ^2/NDF:61.1/48

Out: -34.634+/-33.640 χ^2/NDF:59.4/55

All: -28.040+/-23.624 χ^2/NDF: 120.6/104



Right In: 173.230+/-0.035 χ^2/NDF: 4826975.4/25

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

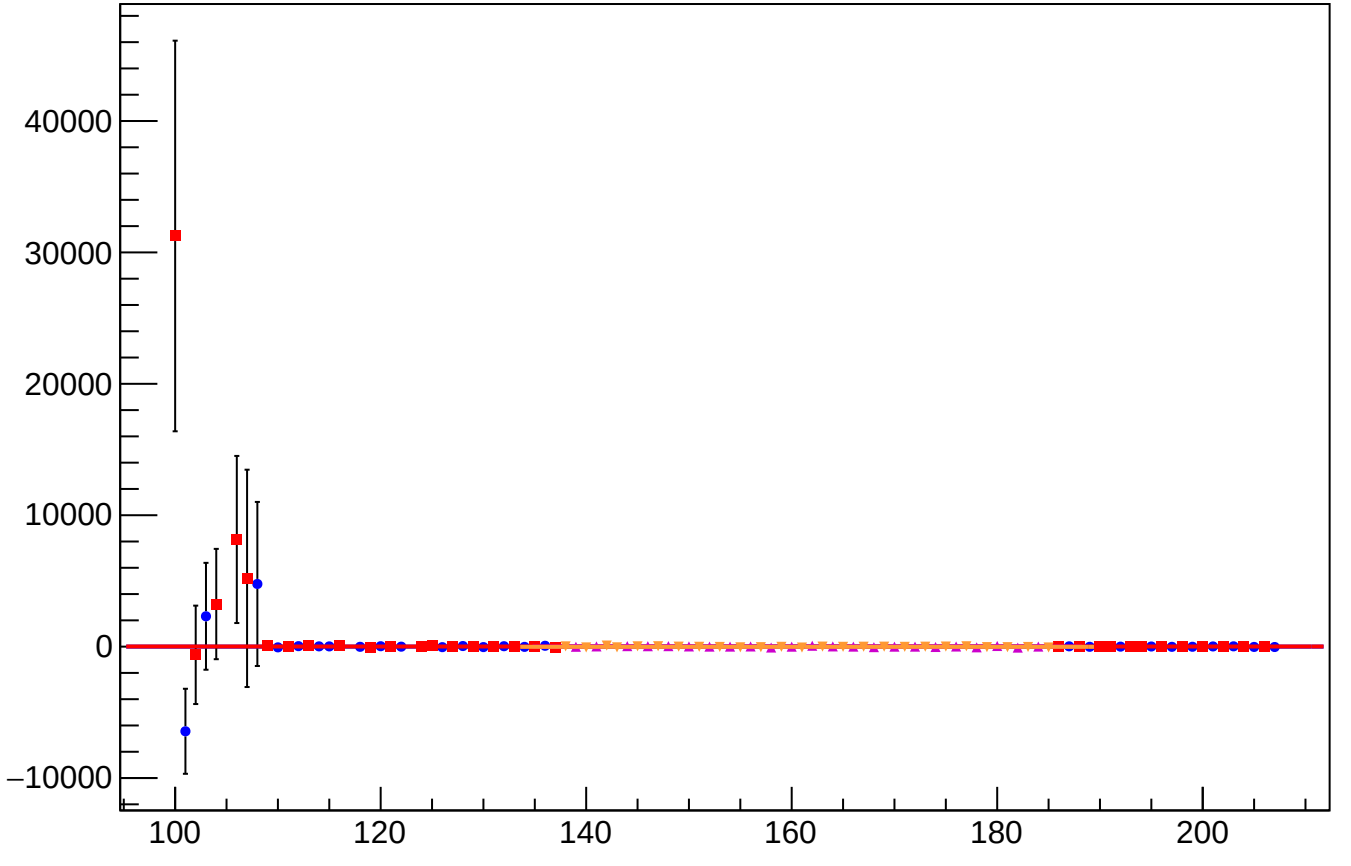
Right: 173.705+/-0.024 χ^2/NDF: 10336681.9/56

In: 179.338+/-0.023 χ^2/NDF:6329420.0/48

Out: 186.922+/-0.024 χ^2/NDF:7683803.7/55

All: 183.078+/-0.017 χ^2/NDF: 14064737.6/10

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 1.340+/-7.508 χ^2/NDF: 19.8/25

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

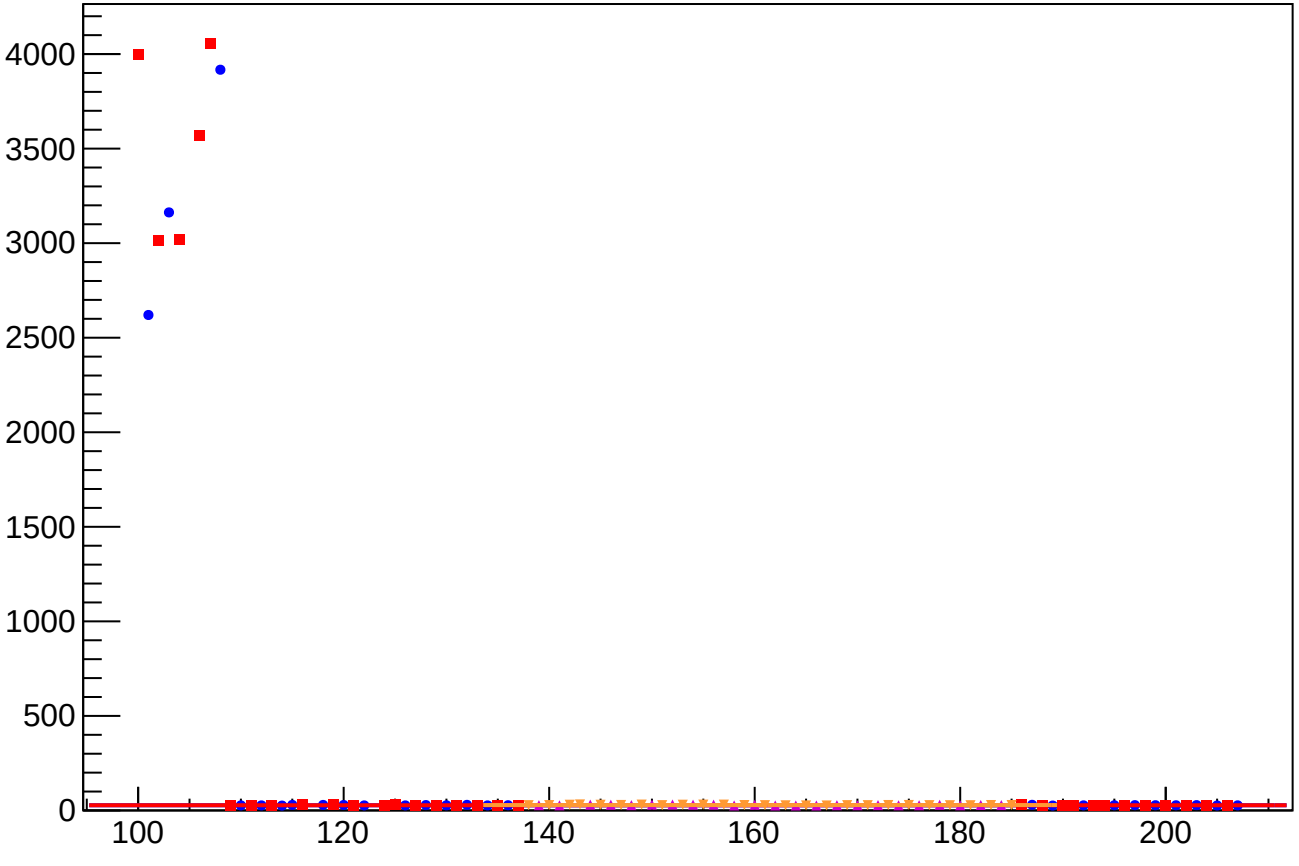
Right: 6.176+/-5.218 χ^2/NDF: 50.9/56

In: 1.803+/-5.000 χ^2/NDF:48.1/48

Out: -3.445+/-4.847 χ^2/NDF:59.4/55

All: -0.903+/-3.480 χ^2/NDF: 108.1/104

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.403+/-0.005 χ^2/NDF: 3279518.3/25

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

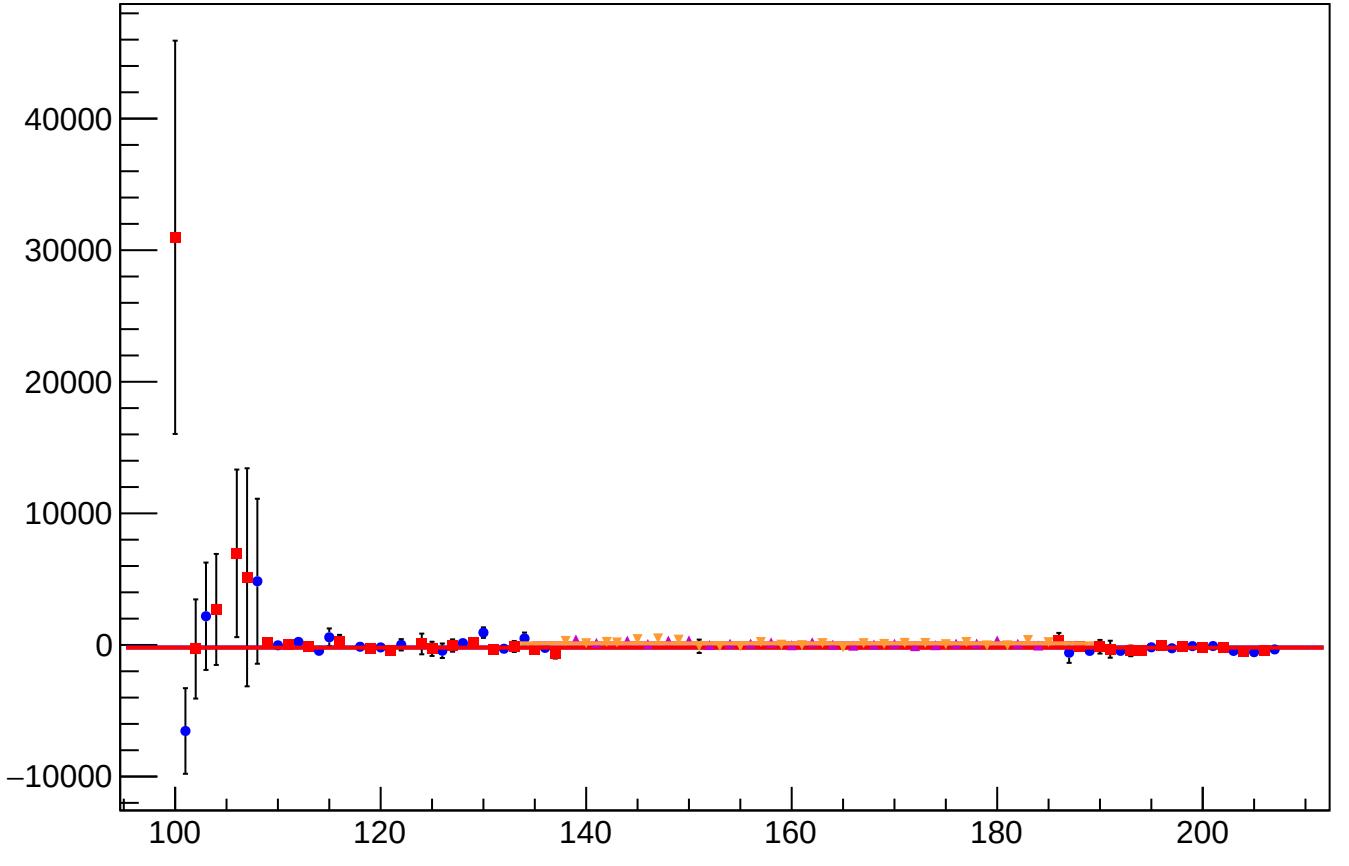
Right: 27.455+/-0.004 χ^2/NDF: 6863427.7/56

In: 28.072+/-0.004 χ^2/NDF:3431010.9/48

Out: 28.103+/-0.003 χ^2/NDF:3696499.9/55

All: 28.088+/-0.002 χ^2/NDF: 7127549.7/104

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -189.215+/-49.149 χ^2/NDF: 32.2/25

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

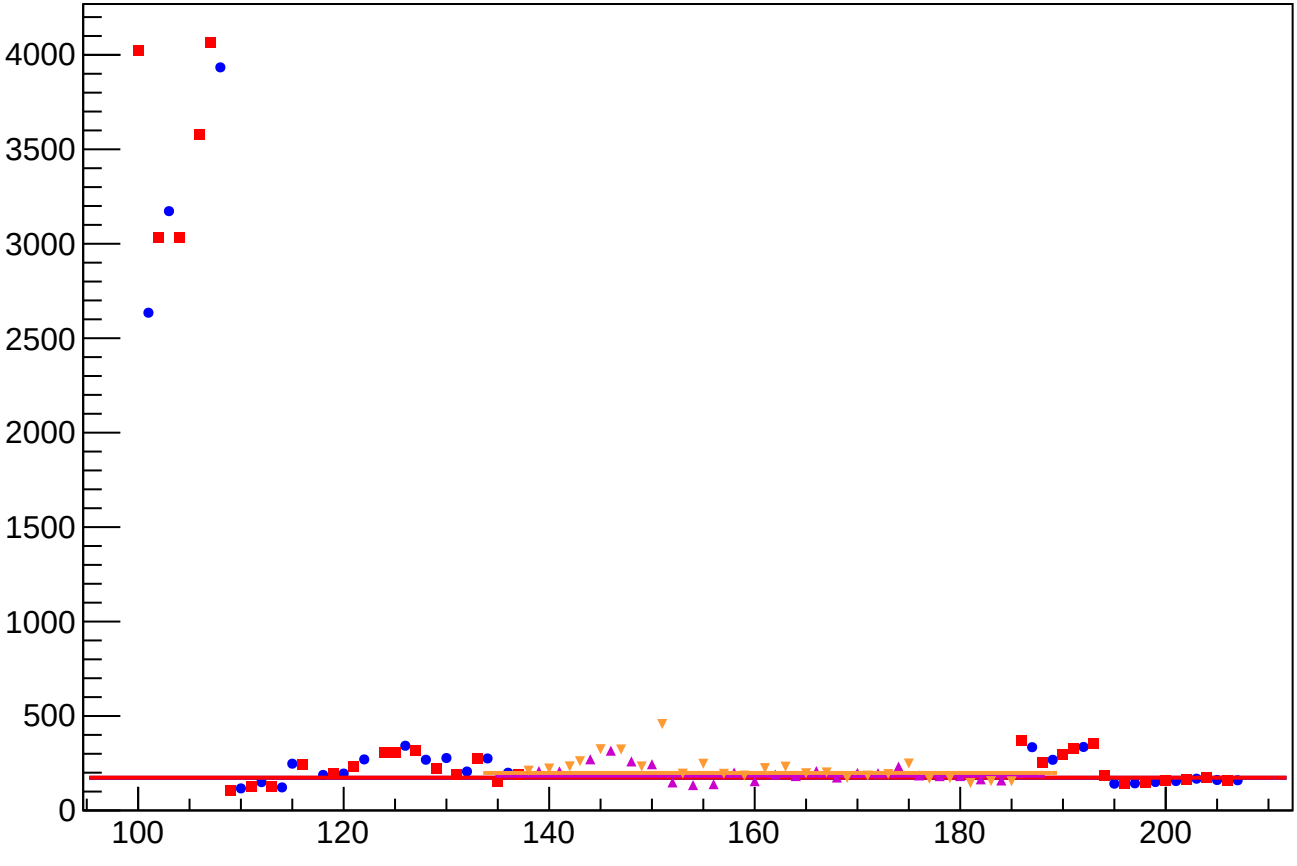
Right: -196.856+/-34.383 χ^2/NDF: 57.1/56

In: -22.330+/-33.104 χ^2/NDF:61.7/48

Out: -36.691+/-33.558 χ^2/NDF:60.4/55

All: -29.412+/-23.567 χ^2/NDF: 122.2/104

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.659+/-0.035 χ^2/NDF: 4840902.1/25

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

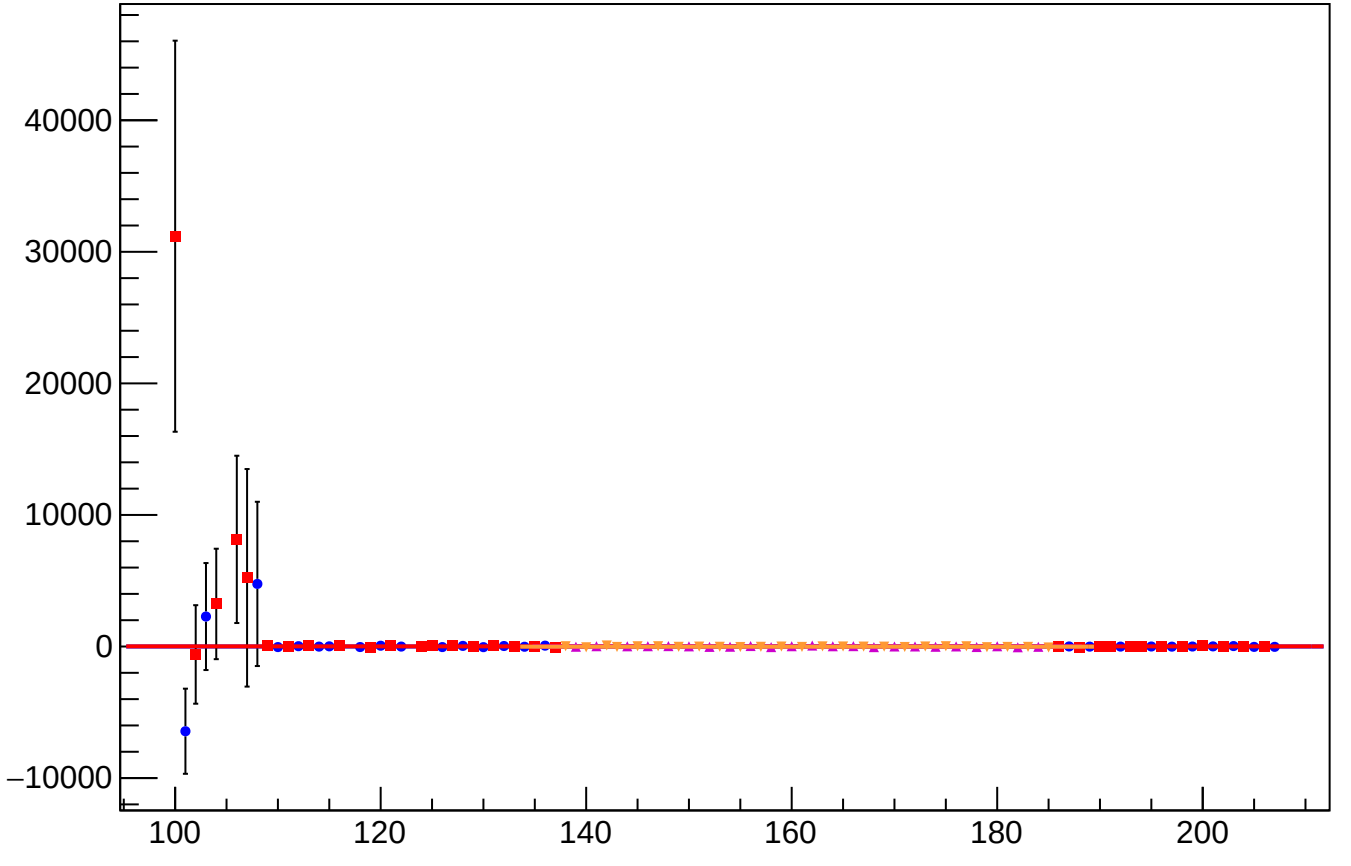
Right: 173.153+/-0.024 χ^2/NDF: 10368665.2/56

In: 178.883+/-0.023 χ^2/NDF:6345031.9/48

Out: 186.438+/-0.024 χ^2/NDF:7704919.9/55

All: 182.609+/-0.017 χ^2/NDF: 14101332.9/10

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.044+/-7.487 χ^2/NDF: 22.1/25

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

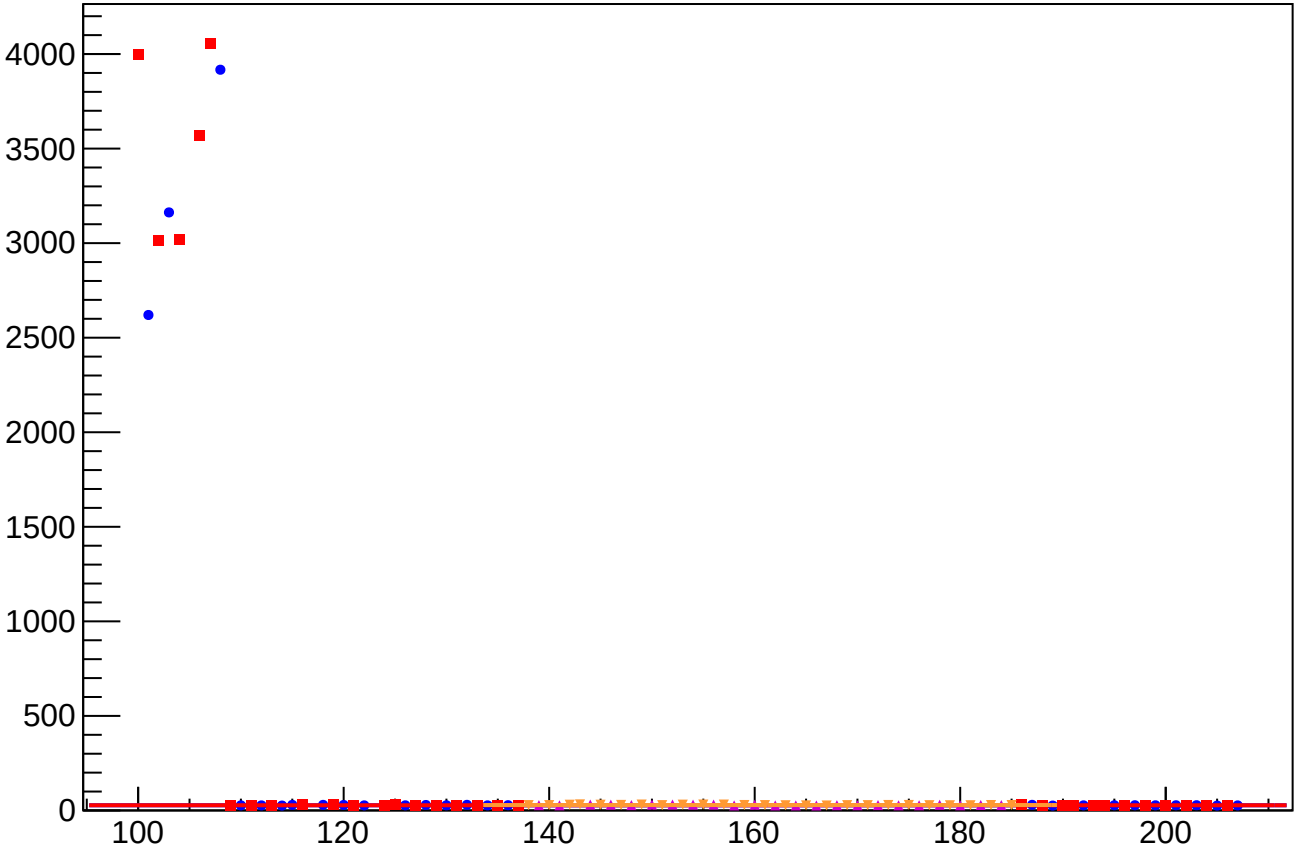
Right: 6.384+/-5.206 χ^2/NDF: 54.2/56

In: 1.405+/-5.006 χ^2/NDF:44.3/48

Out: -0.966+/-4.855 χ^2/NDF:54.8/55

All: 0.183+/-3.485 χ^2/NDF: 99.2/104

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.5/25

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

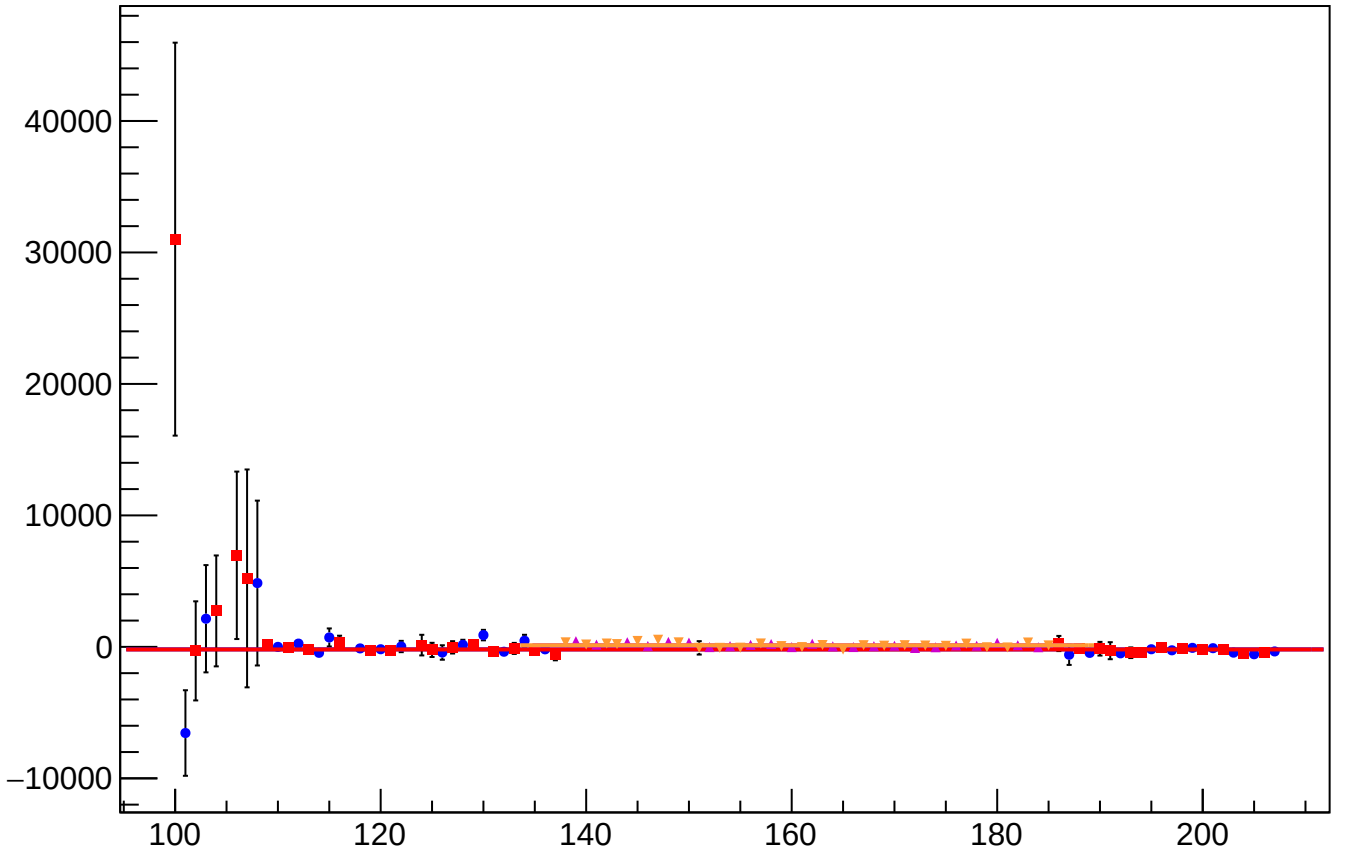
Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

Right: 27.389+/-0.004 χ^2/NDF: 6868776.2/56

In: 28.099+/-0.004 χ^2/NDF:3451138.3/48

Out: 28.144+/-0.003 χ^2/NDF:3715672.9/55

All: 28.122+/-0.002 χ^2/NDF: 7166893.9/104



Right In: -190.088+/-49.504 χ^2/NDF: 32.9/25

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

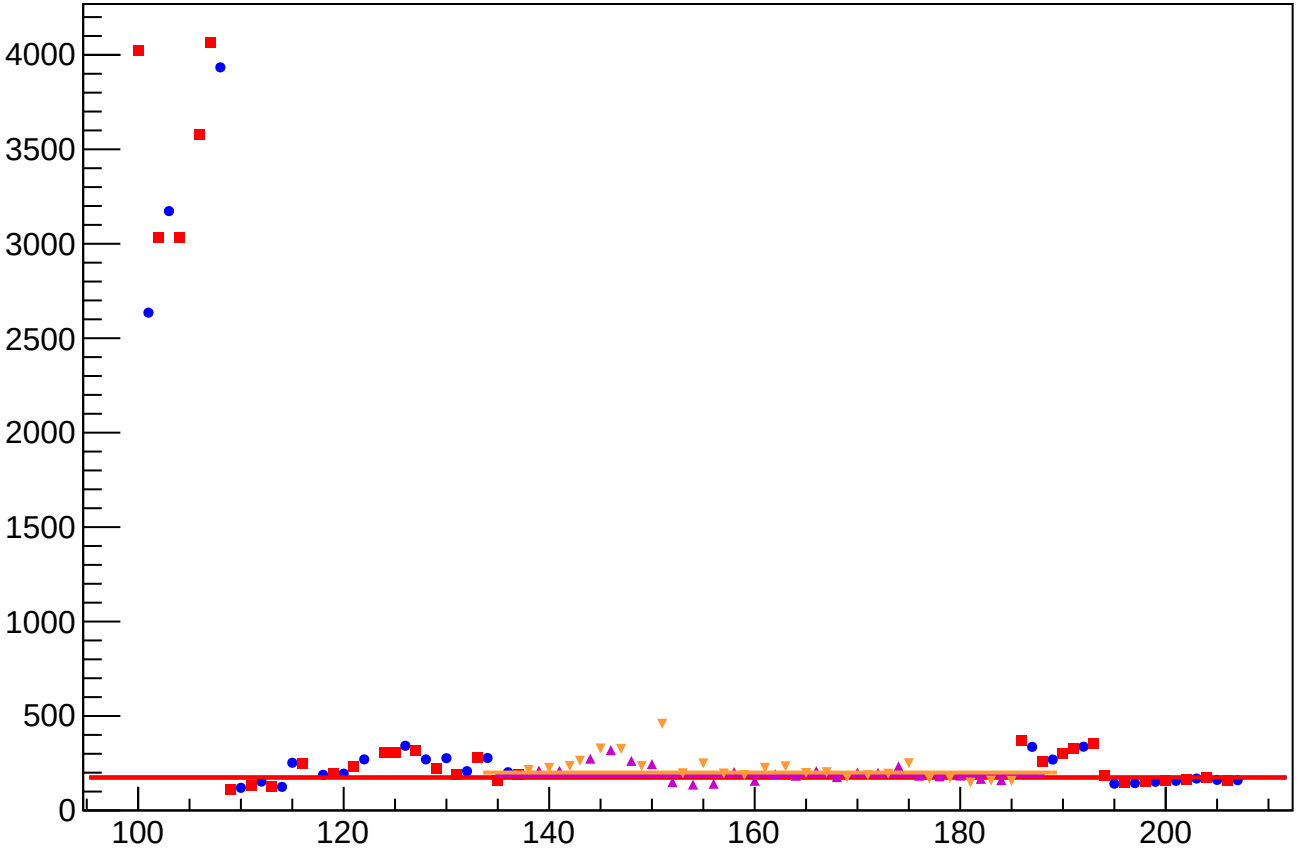
Right: -193.883+/-34.642 χ^2/NDF: 56.2/56

In: -19.556+/-33.407 χ^2/NDF:63.2/48

Out: -33.335+/-33.860 χ^2/NDF:57.0/55

All: -26.352+/-23.781 χ^2/NDF: 120.2/104

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.028+/-0.035 χ^2/NDF: 4810260.2/25

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

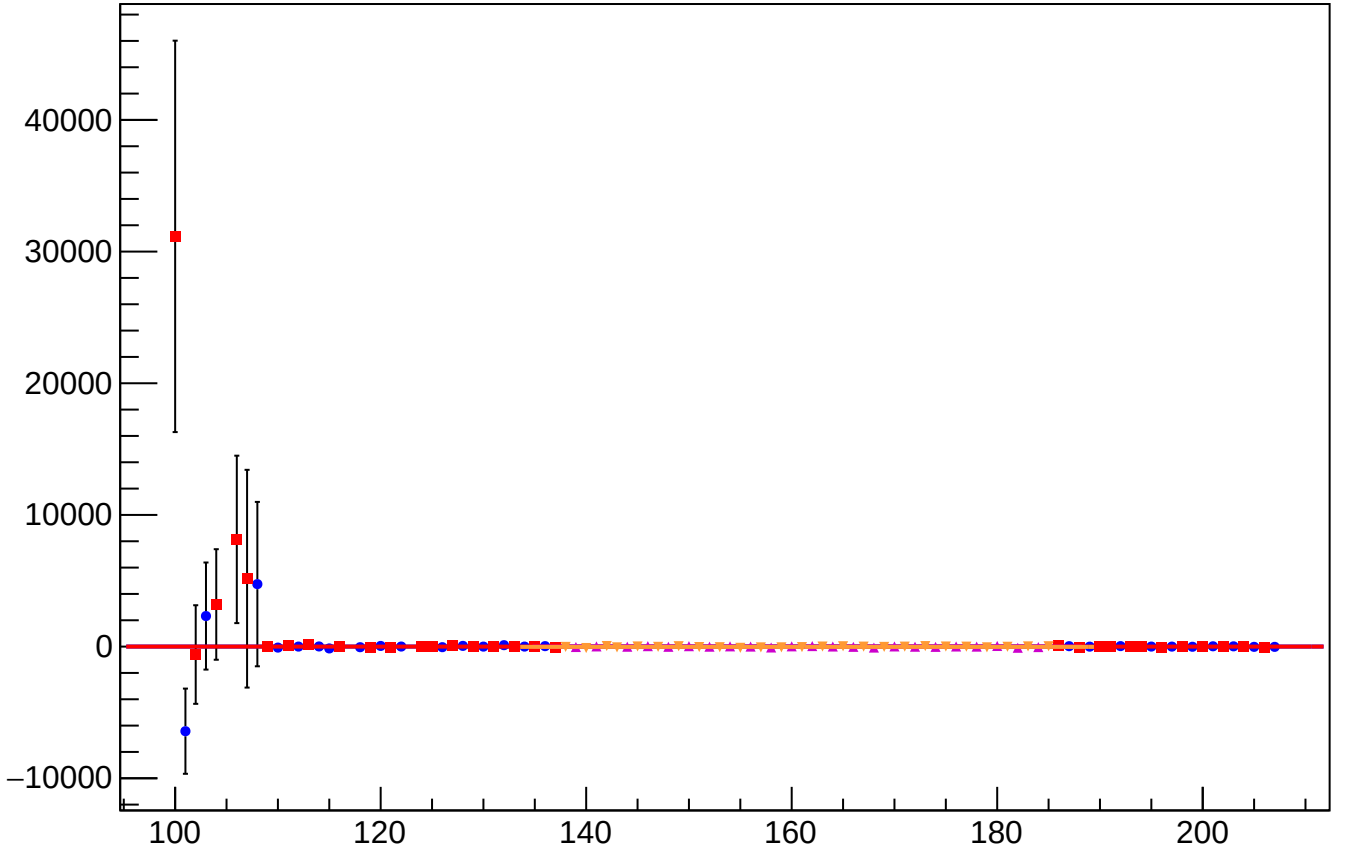
Right: 174.630+/-0.024 χ^2/NDF: 10275934.8/56

In: 180.640+/-0.024 χ^2/NDF:6289161.0/48

Out: 188.265+/-0.024 χ^2/NDF:7628072.0/55

All: 184.401+/-0.017 χ^2/NDF: 13968622.9/10

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.437+/-9.137 χ^2/NDF: 20.2/25

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

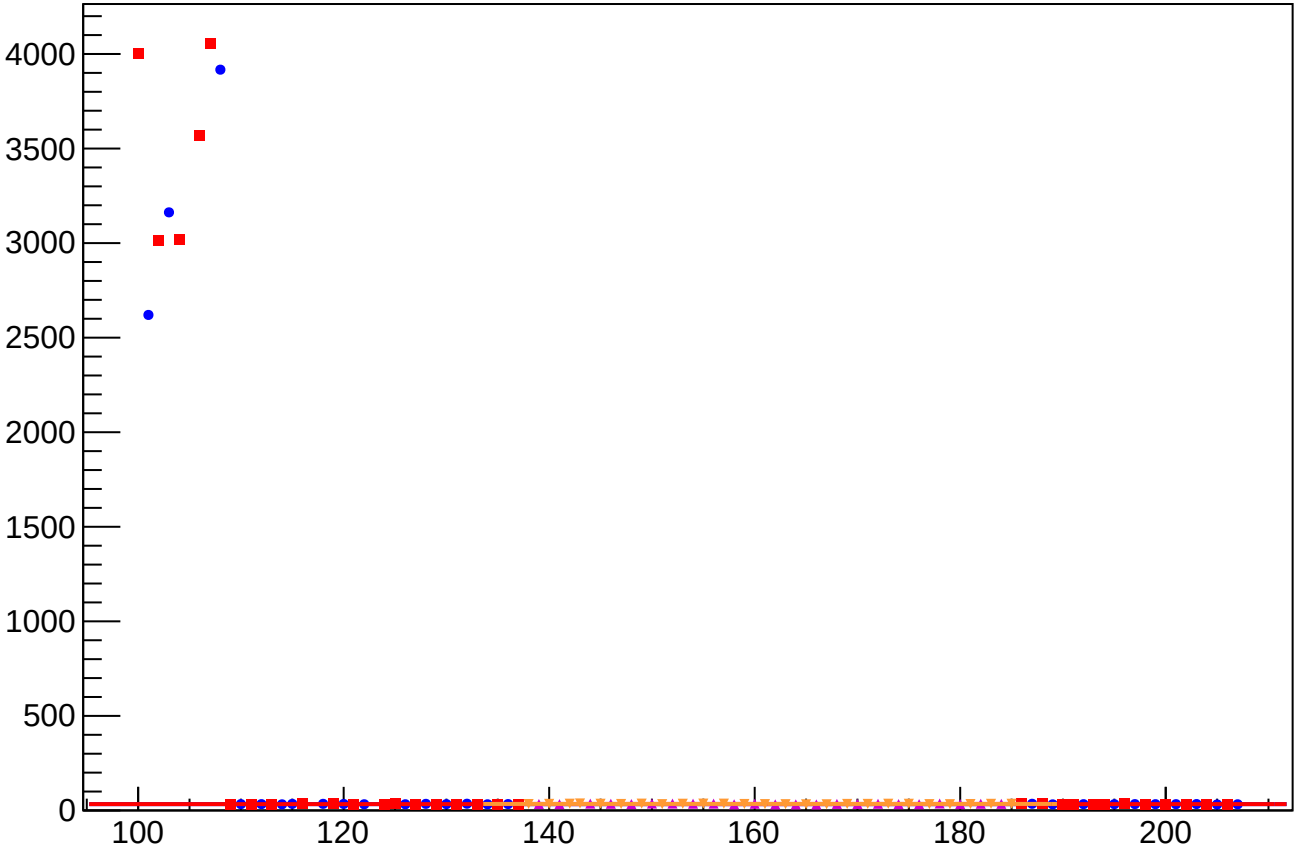
Right: 2.565+/-6.349 χ^2/NDF: 53.9/56

In: -0.312+/-6.054 χ^2/NDF:39.6/48

Out: -11.516+/-5.860 χ^2/NDF:60.0/55

All: -6.096+/-4.211 χ^2/NDF: 101.4/104

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.377+/-0.006 χ^2/NDF: 3255616.4/25

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

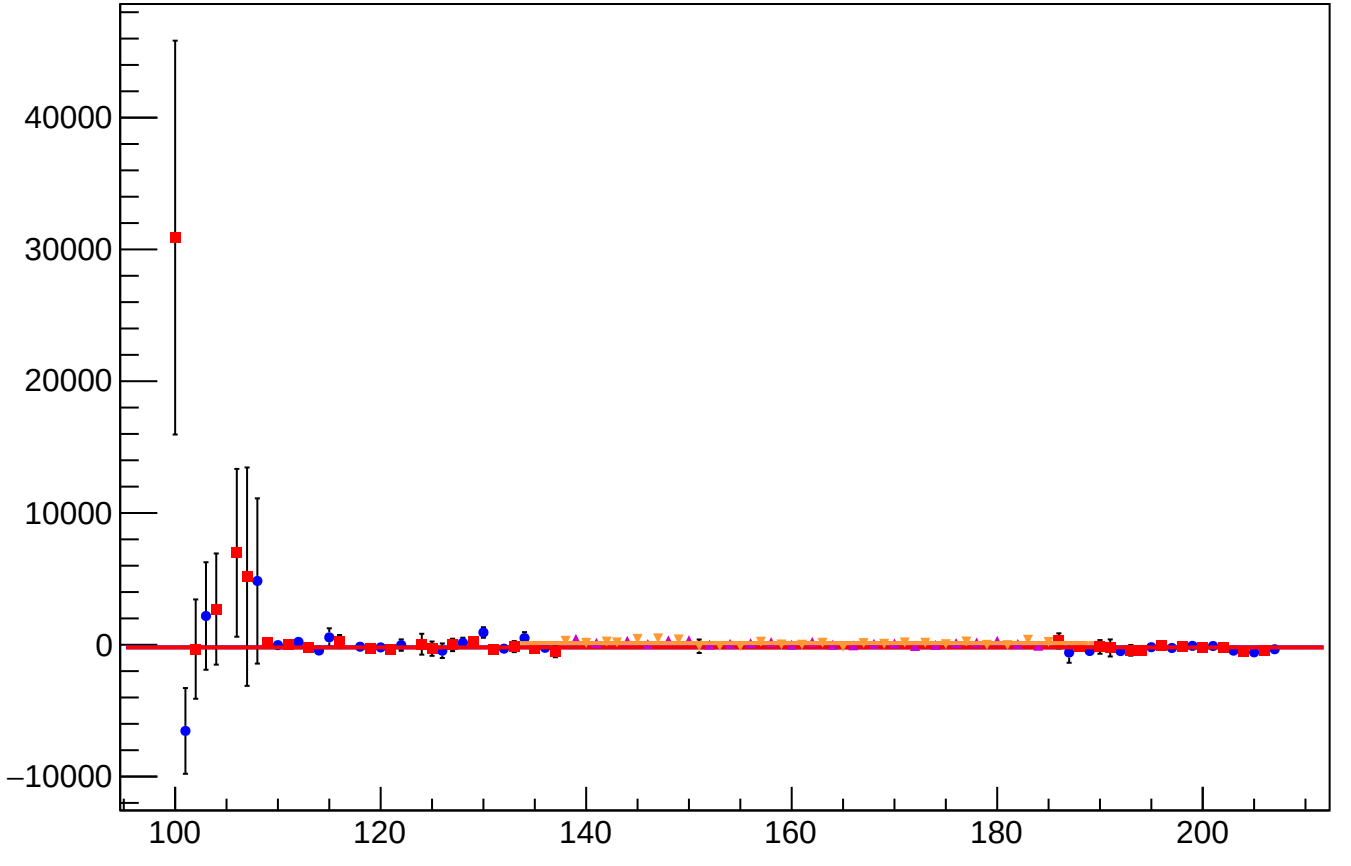
Right: 33.443+/-0.004 χ^2/NDF: 6798696.8/56

In: 34.036+/-0.004 χ^2/NDF:3333444.9/48

Out: 34.027+/-0.004 χ^2/NDF:3600065.9/55

All: 34.032+/-0.003 χ^2/NDF: 6933513.0/104

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -195.064+/-49.359 χ^2/NDF: 32.3/25

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

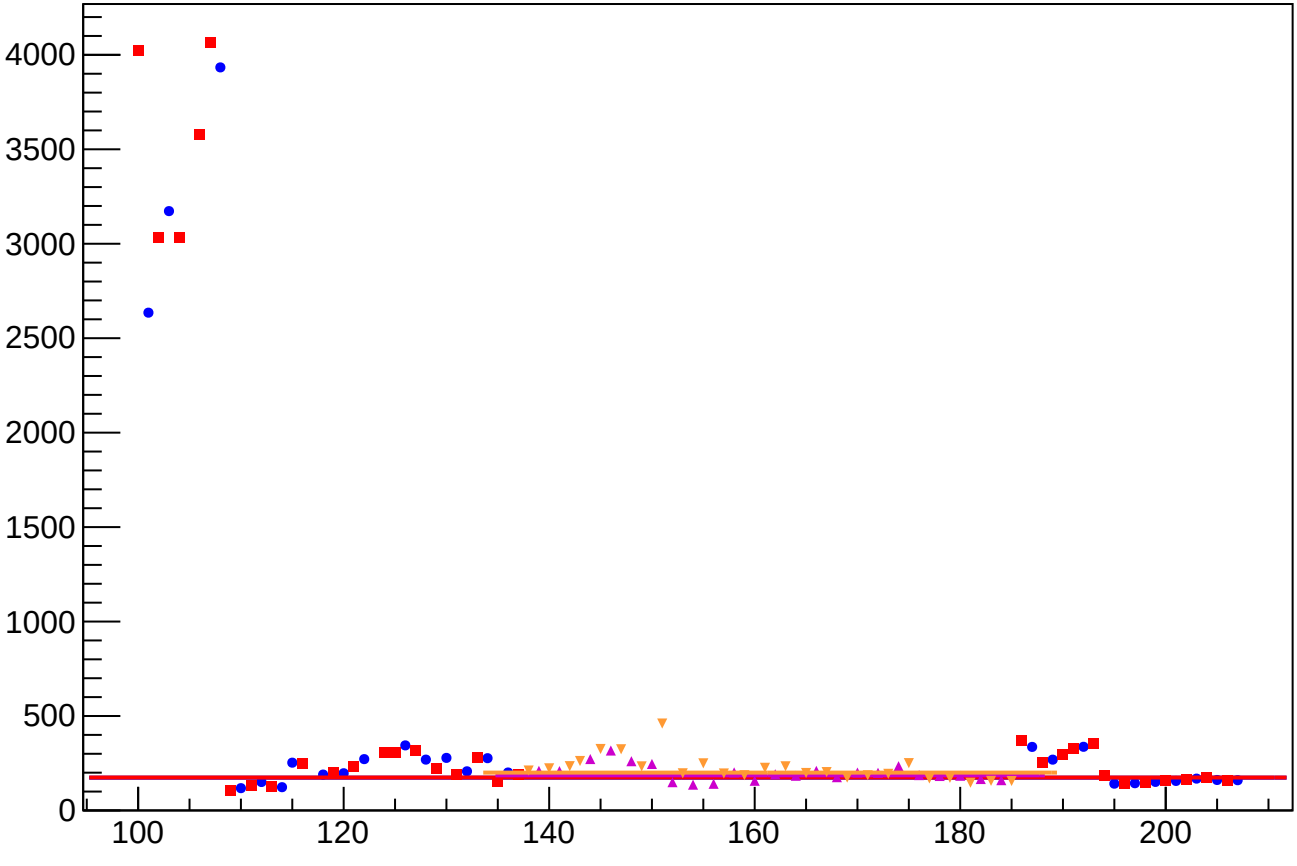
Right: -198.255+/-34.526 χ^2/NDF: 55.5/56

In: -22.170+/-33.334 χ^2/NDF:62.9/48

Out: -33.079+/-33.772 χ^2/NDF:58.5/55

All: -27.553+/-23.724 χ^2/NDF: 121.4/104

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.409+/-0.035 χ^2/NDF: 4838541.7/25

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

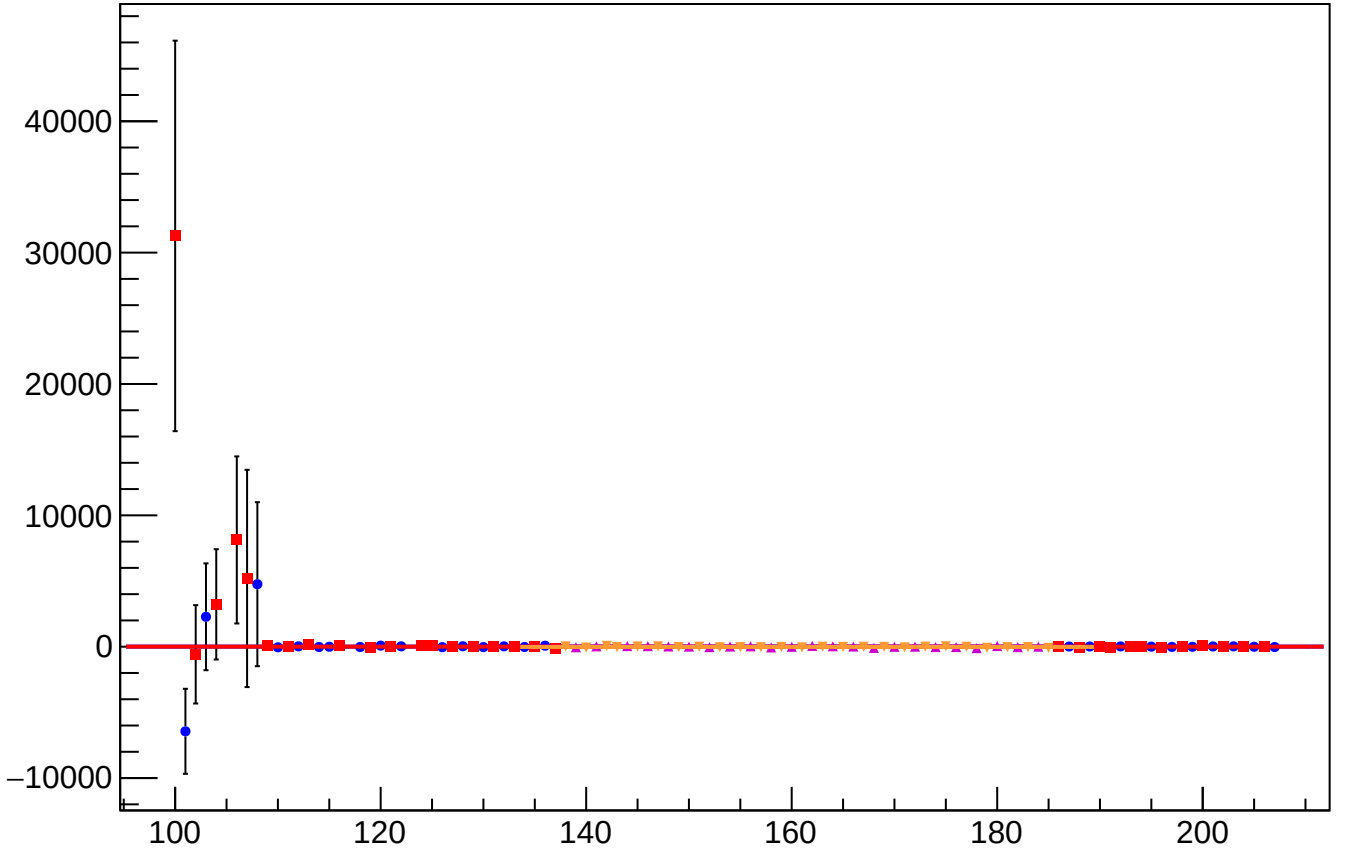
Right: 173.901+/-0.024 χ^2/NDF: 10355595.1/56

In: 180.187+/-0.024 χ^2/NDF:6313417.8/48

Out: 187.667+/-0.024 χ^2/NDF:7689388.1/55

All: 183.878+/-0.017 χ^2/NDF: 14052500.0/10

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 7.626+/-8.274 χ^2/NDF: 18.4/25

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

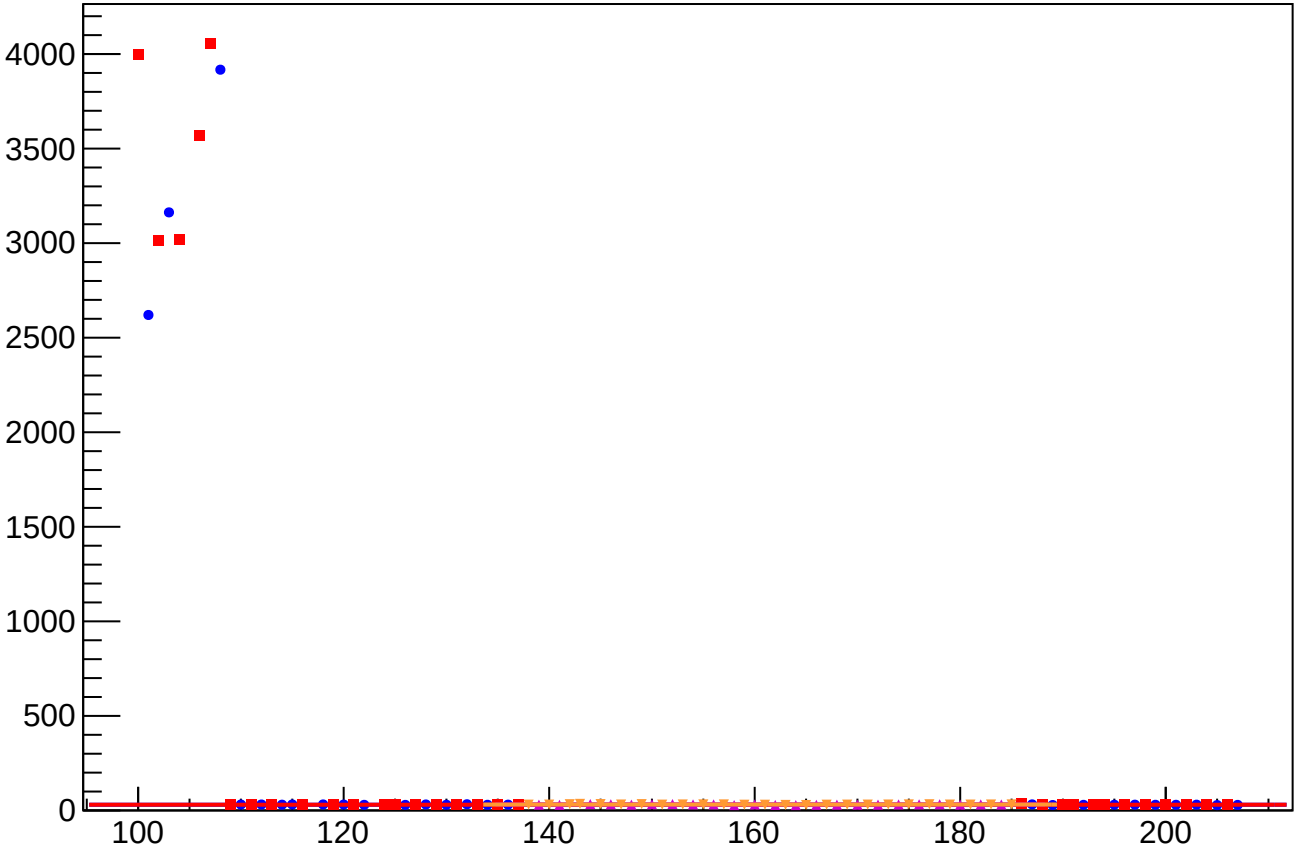
Right: 6.500+/-5.749 χ^2/NDF: 57.7/56

In: 1.848+/-5.494 χ^2/NDF:54.8/48

Out: -7.928+/-5.323 χ^2/NDF:64.8/55

All: -3.194+/-3.823 χ^2/NDF: 121.2/104

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.205+/-0.006 χ^2/NDF: 3273507.5/25

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

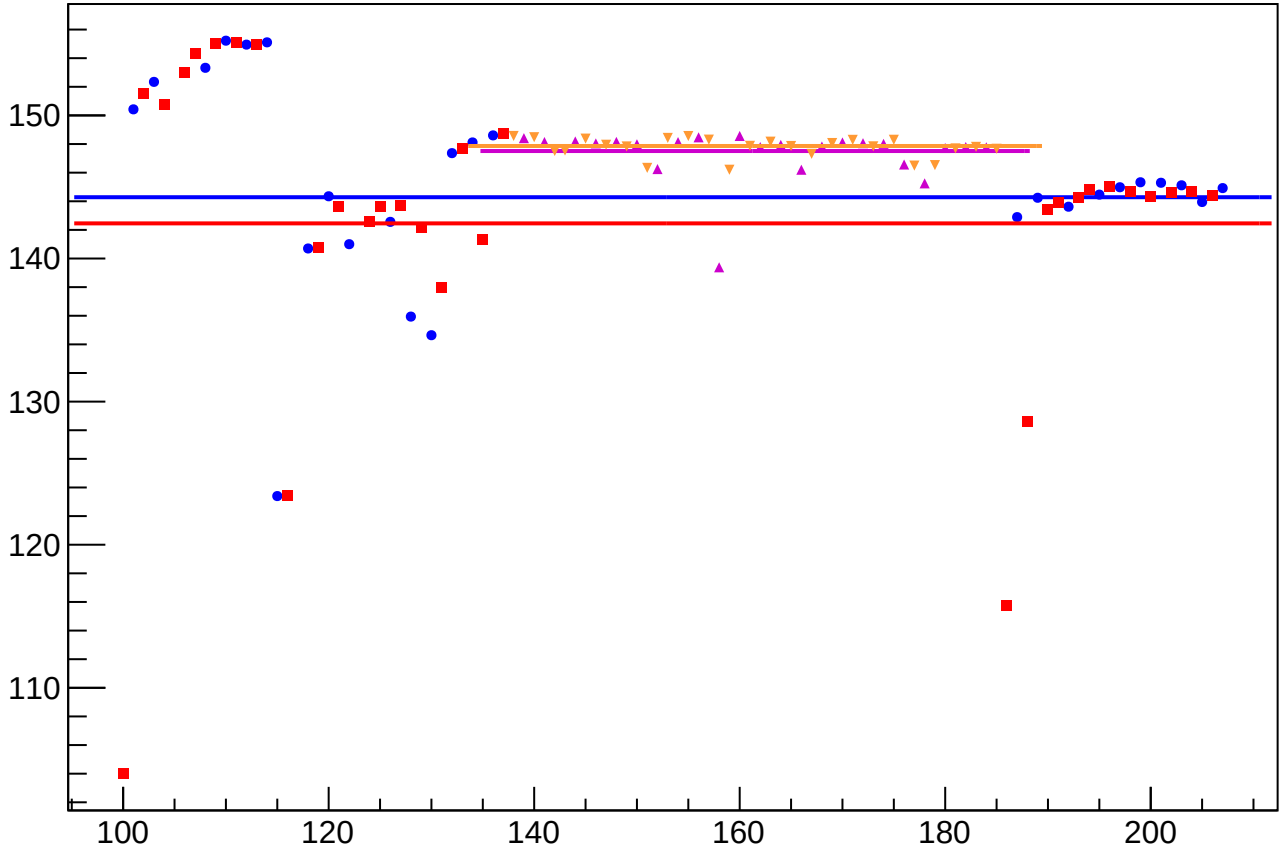
Right: 30.262+/-0.004 χ^2/NDF: 6835273.4/56

In: 30.862+/-0.004 χ^2/NDF:3381261.8/48

Out: 30.885+/-0.004 χ^2/NDF:3642904.0/55

All: 30.874+/-0.003 χ^2/NDF: 7024185.1/104

yield_bcm_target_mean vs Slug, Sign Corrected



Right In: 144.284+/-0.000 χ^2/NDF: 3739403362.7/25

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

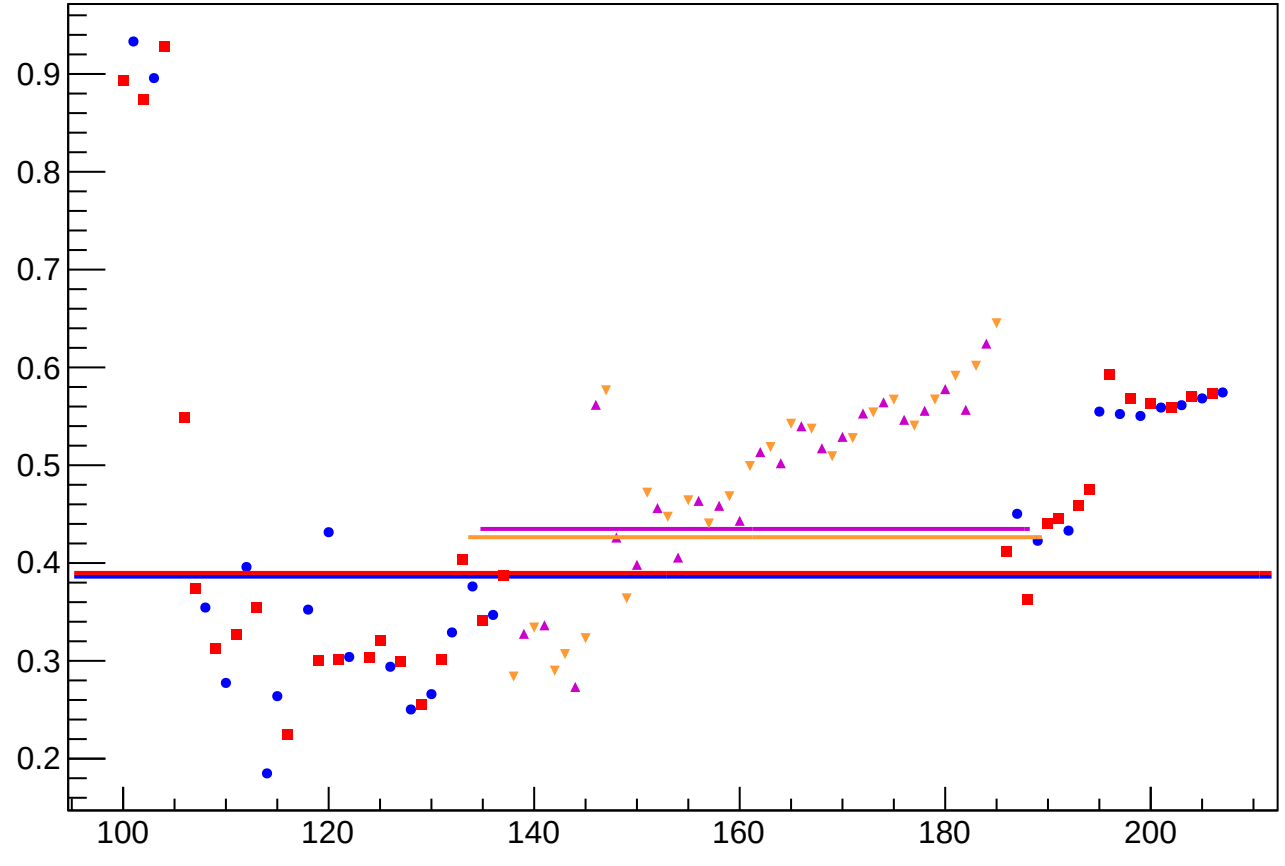
Right: 143.329+/-0.000 χ^2/NDF: 11434023316.3/56

In: 145.945+/-0.000 χ^2/NDF:4496506930.7/48

Out: 145.232+/-0.000 χ^2/NDF:8974022516.1/55

All: 145.573+/-0.000 χ^2/NDF: 13516555004.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF: 3012854.6/25

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

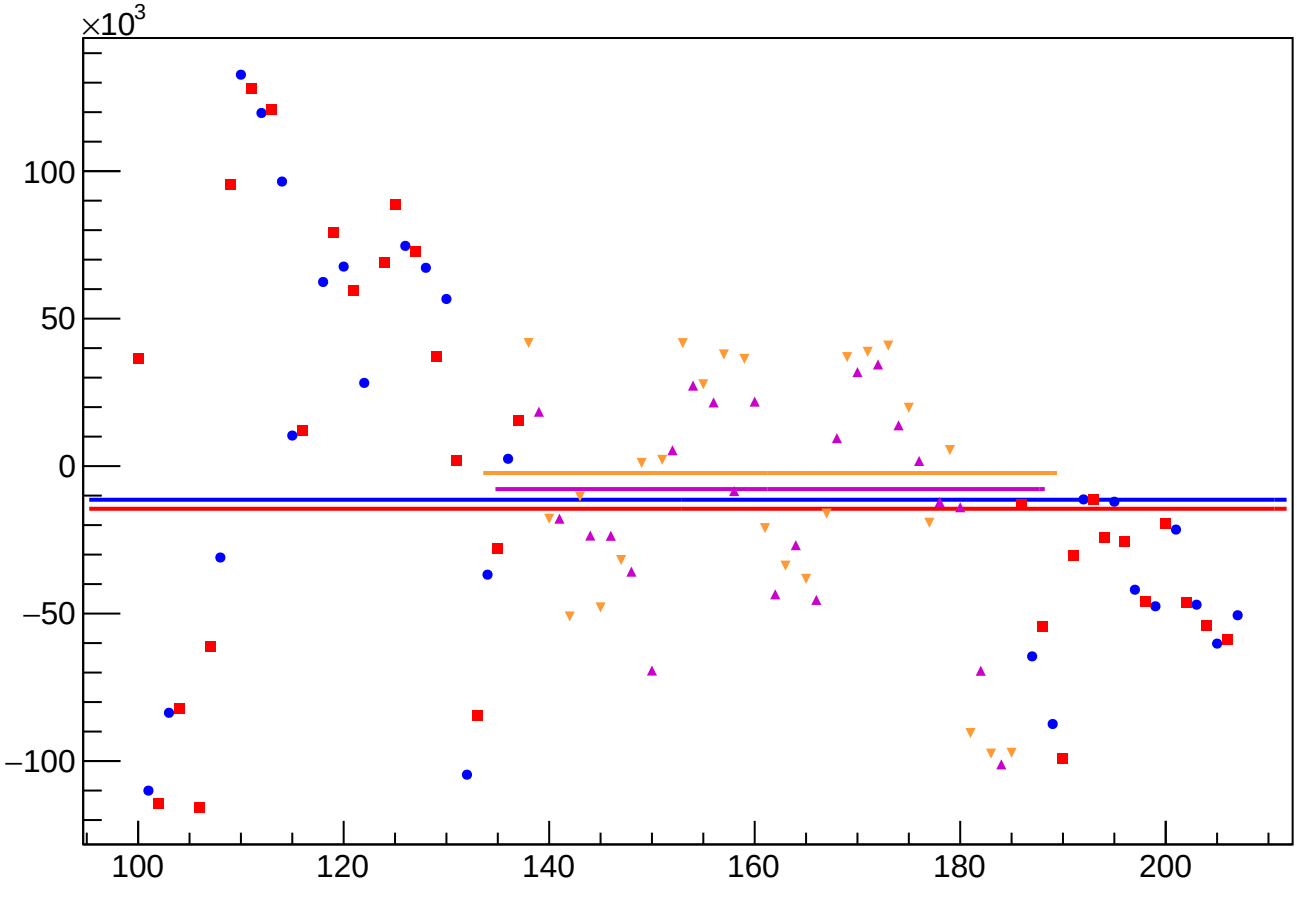
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.388+/-0.000 χ^2/NDF: 5900506.1/56

In: 0.411+/-0.000 χ^2/NDF:4993498.6/48

Out: 0.409+/-0.000 χ^2/NDF:5271471.9/55

All: 0.410+/-0.000 χ^2/NDF: 10266161.8/104



Right In: -11400.516+/-1.416 χ^2/NDF: 1936378535.8/25

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

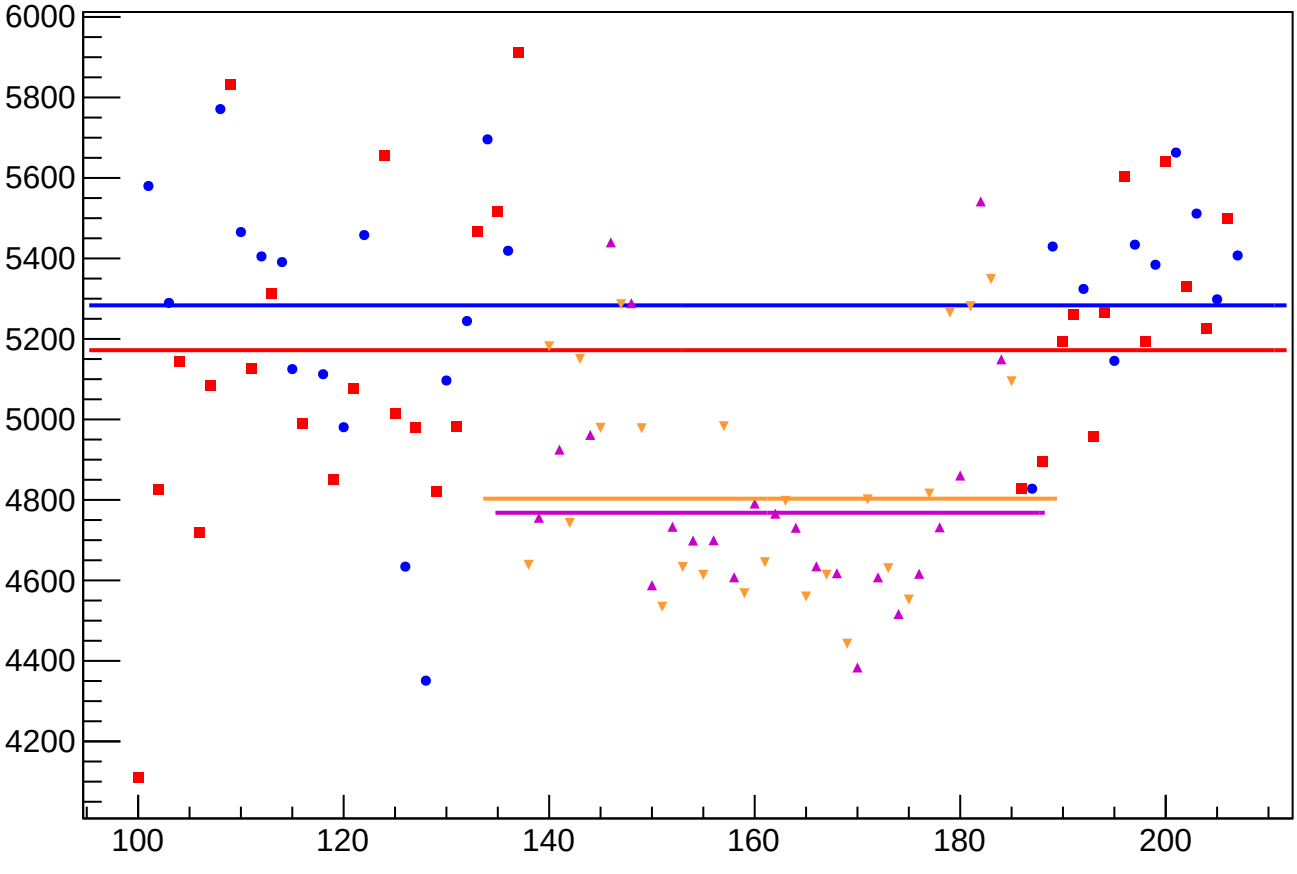
Right: -13039.266+/-0.965 χ^2/NDF: 4326688943.5/

In: -9215.237+/-0.890 χ^2/NDF:2702811764.2/48

Out: -7437.135+/-0.855 χ^2/NDF:3666741031.5/55

All: -8290.630+/-0.617 χ^2/NDF: 6371627585

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5283.420+/-1.001 χ^2/NDF: 98303.0/25

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

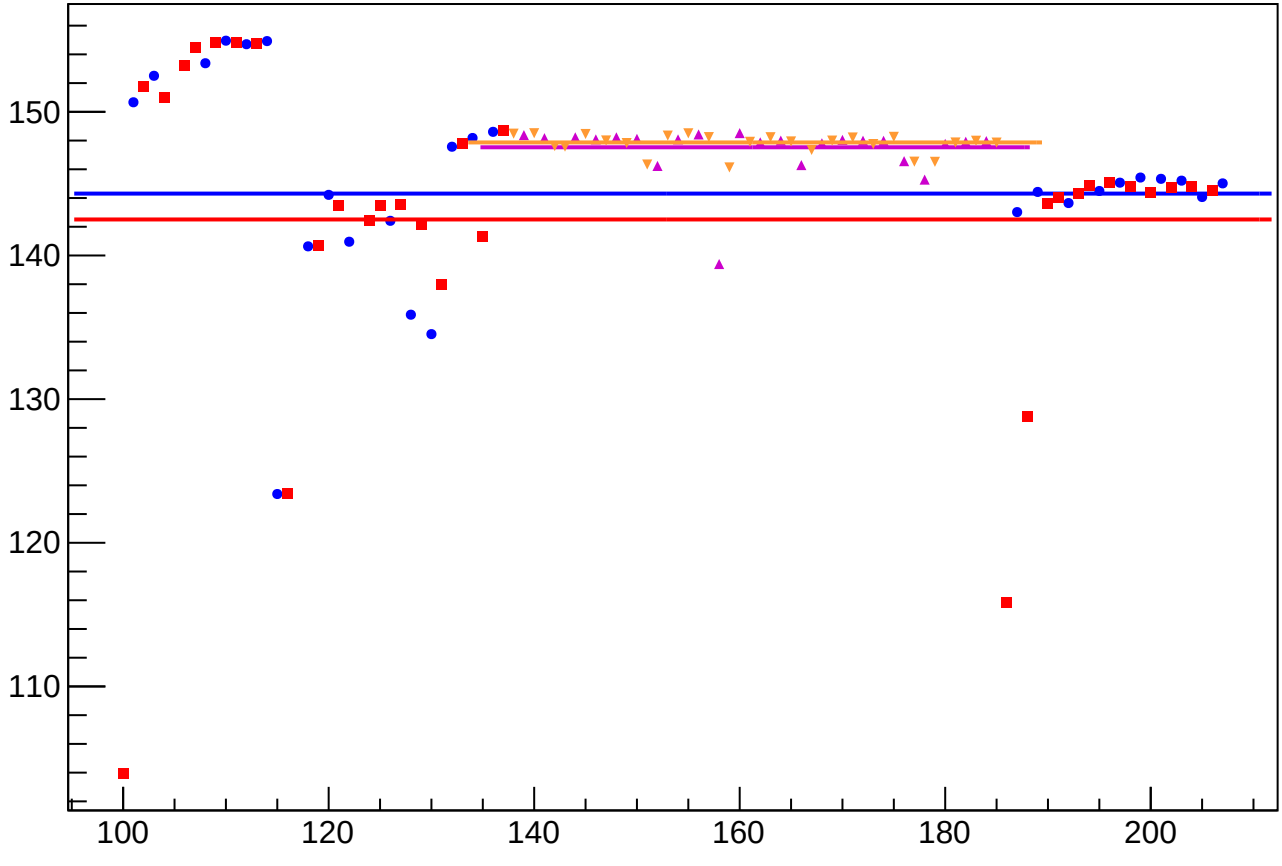
Right: 5223.780+/-0.683 χ^2/NDF: 209131.2/56

In: 4971.683+/-0.629 χ^2/NDF:360878.3/48

Out: 4958.169+/-0.605 χ^2/NDF:309537.4/55

All: 4964.656+/-0.436 χ^2/NDF: 670655.4/104

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.308+/-0.000 χ^2/NDF: 3781030177.0/25

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

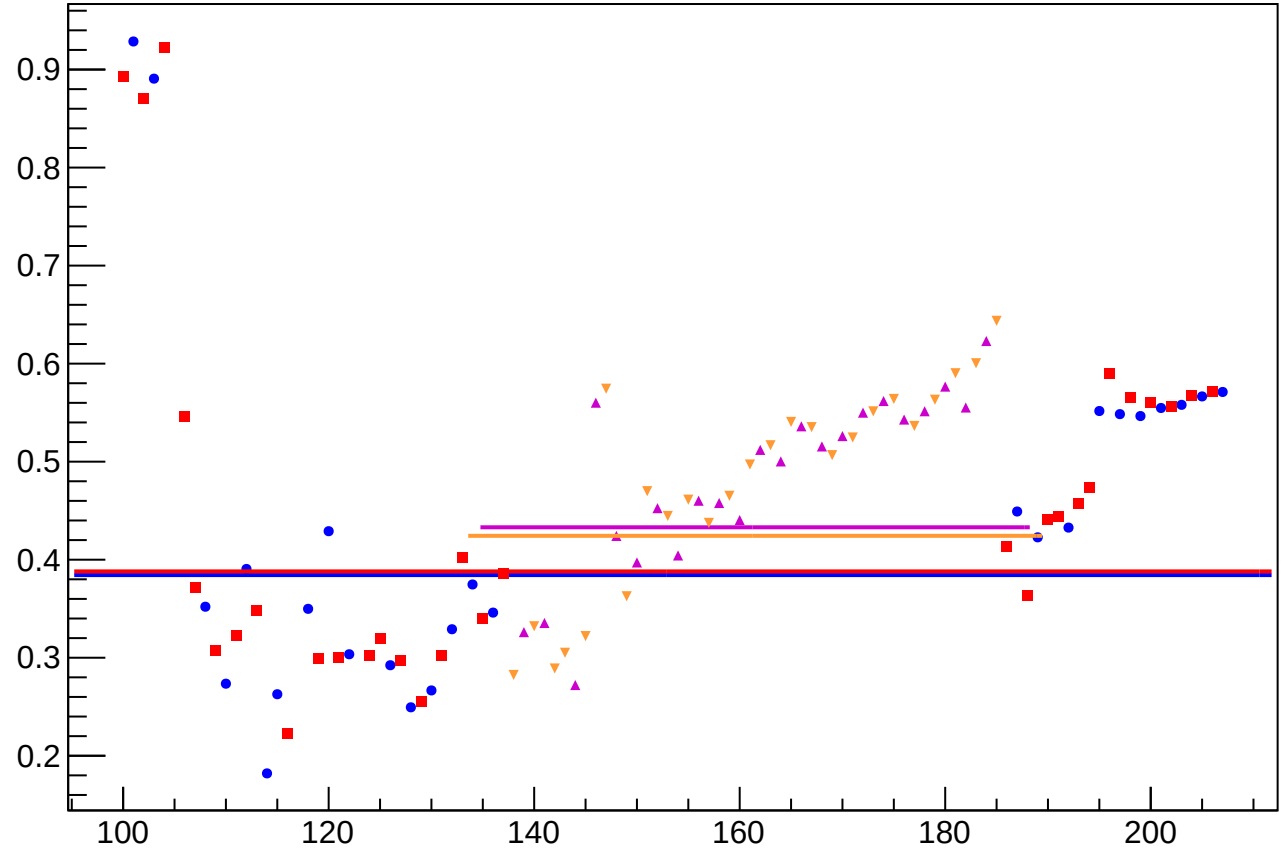
Right: 143.368+/-0.000 χ^2/NDF: 11448650715.8/56

In: 145.967+/-0.000 χ^2/NDF:4541913155.5/48

Out: 145.261+/-0.000 χ^2/NDF:8938960030.0/55

All: 145.598+/-0.000 χ^2/NDF: 13526363344.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.384+/-0.000 χ^2/NDF: 3010365.9/25

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

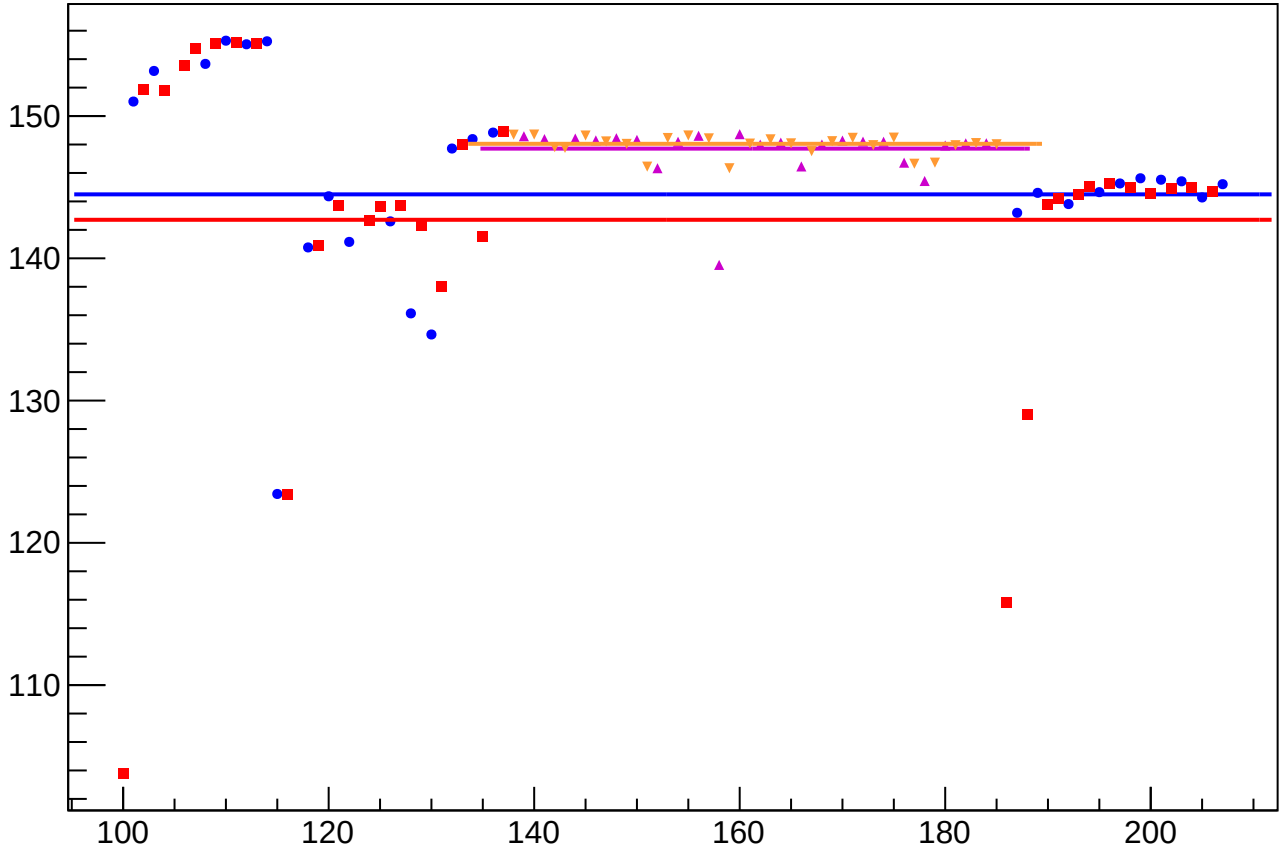
Right: 0.386+/-0.000 χ^2/NDF: 5905777.4/56

In: 0.409+/-0.000 χ^2/NDF:4989079.1/48

Out: 0.407+/-0.000 χ^2/NDF:5280477.4/55

All: 0.408+/-0.000 χ^2/NDF: 10270869.4/104

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.496+/-0.000 χ^2/NDF: 3774929614.1/25

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

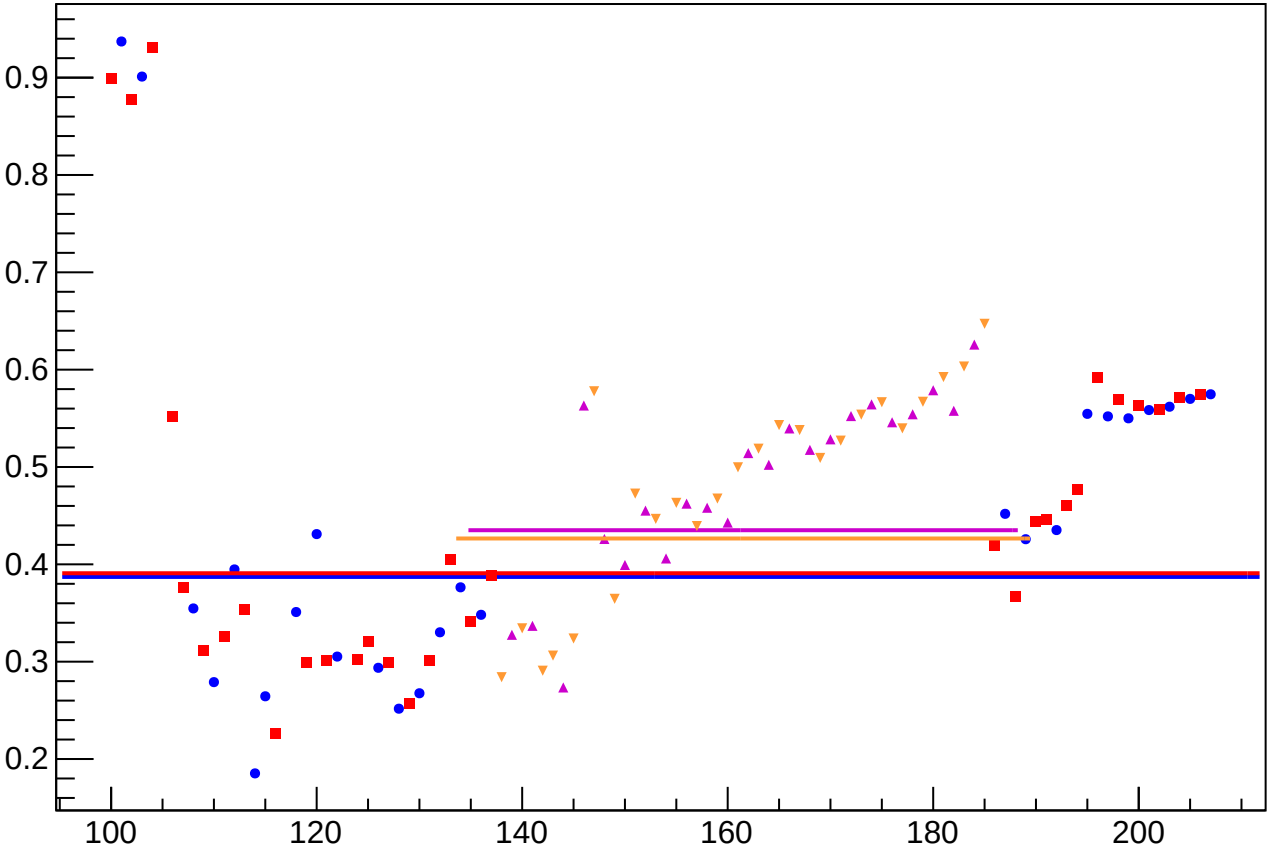
Right: 143.562+/-0.000 χ^2/NDF: 11373171535.1/56

In: 146.154+/-0.000 χ^2/NDF:4532702467.7/48

Out: 145.456+/-0.000 χ^2/NDF:8846689007.1/55

All: 145.790+/-0.000 χ^2/NDF: 13423315642.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.387+/-0.000 χ^2/NDF: 2999866.2/25

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

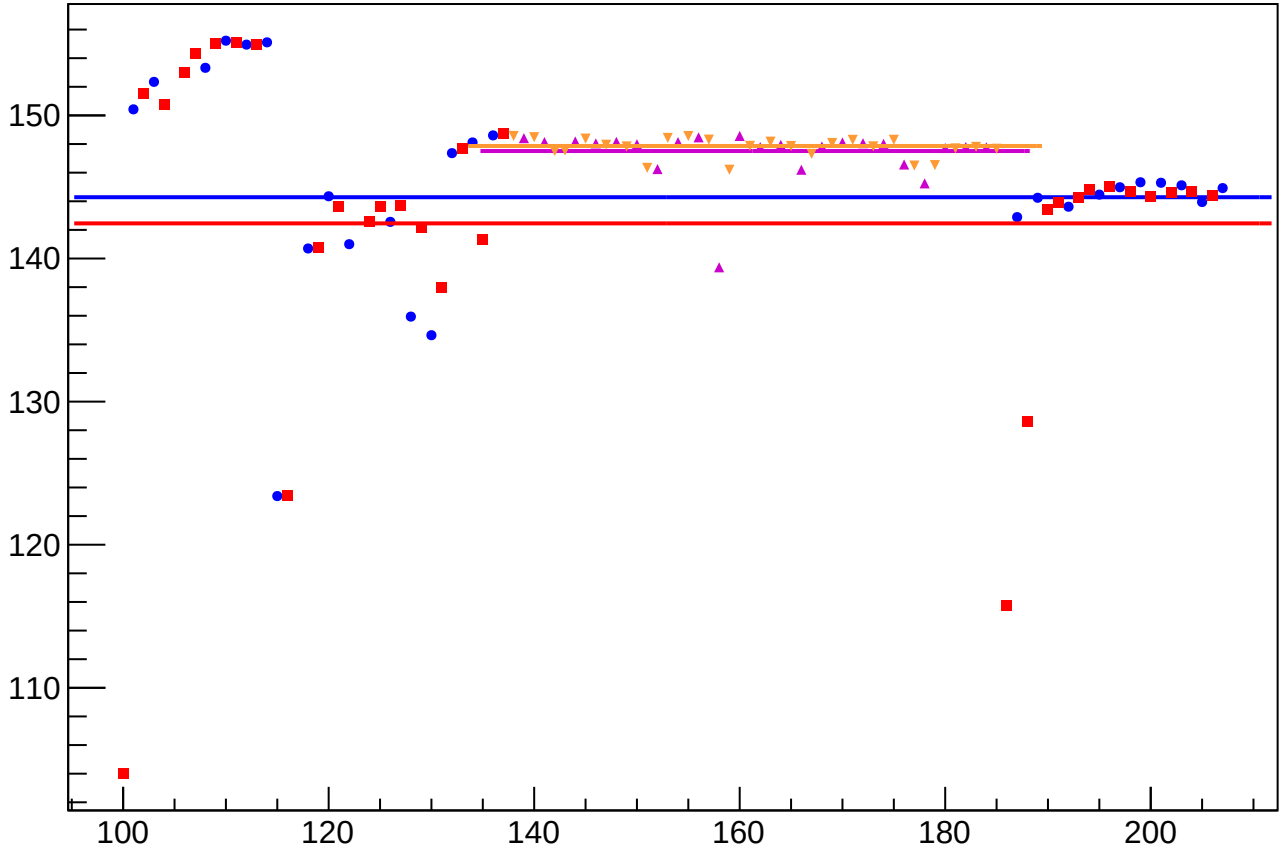
Right: 0.389+/-0.000 χ^2/NDF: 5889438.3/56

In: 0.412+/-0.000 χ^2/NDF:4968311.7/48

Out: 0.409+/-0.000 χ^2/NDF:5265926.8/55

All: 0.410+/-0.000 χ^2/NDF: 10235461.7/104

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.284+/-0.000 χ^2/NDF: 3739403362.7/25

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

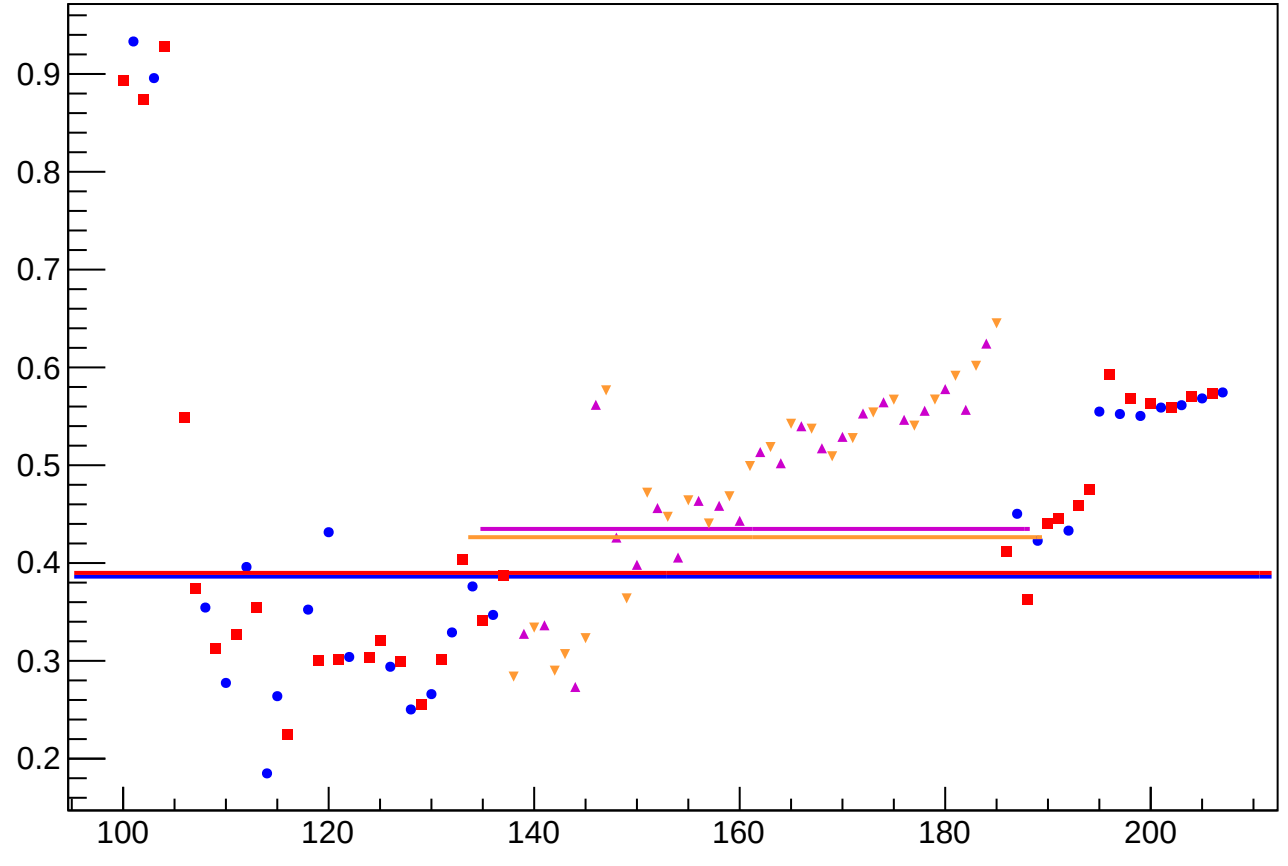
Right: 143.329+/-0.000 χ^2/NDF: 11434023316.3/56

In: 145.945+/-0.000 χ^2/NDF:4496506930.7/48

Out: 145.232+/-0.000 χ^2/NDF:8974022516.1/55

All: 145.573+/-0.000 χ^2/NDF: 13516555004.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.386+/-0.000 χ^2/NDF: 3012854.6/25

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

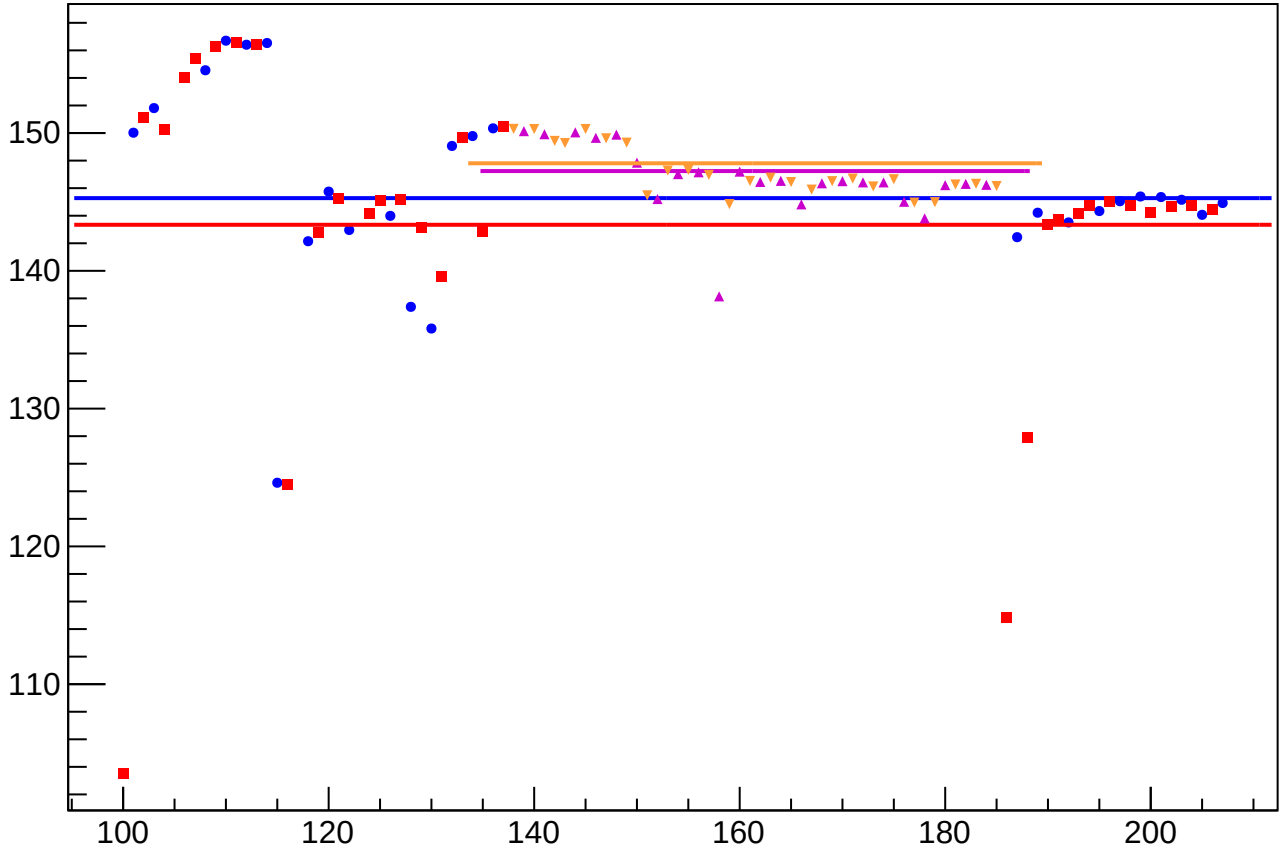
Right: 0.388+/-0.000 χ^2/NDF: 5900506.1/56

In: 0.411+/-0.000 χ^2/NDF:4993498.6/48

Out: 0.409+/-0.000 χ^2/NDF:5271471.9/55

All: 0.410+/-0.000 χ^2/NDF: 10266161.8/104

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.277+/-0.000 χ^2/NDF: 3519433049.2/25

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

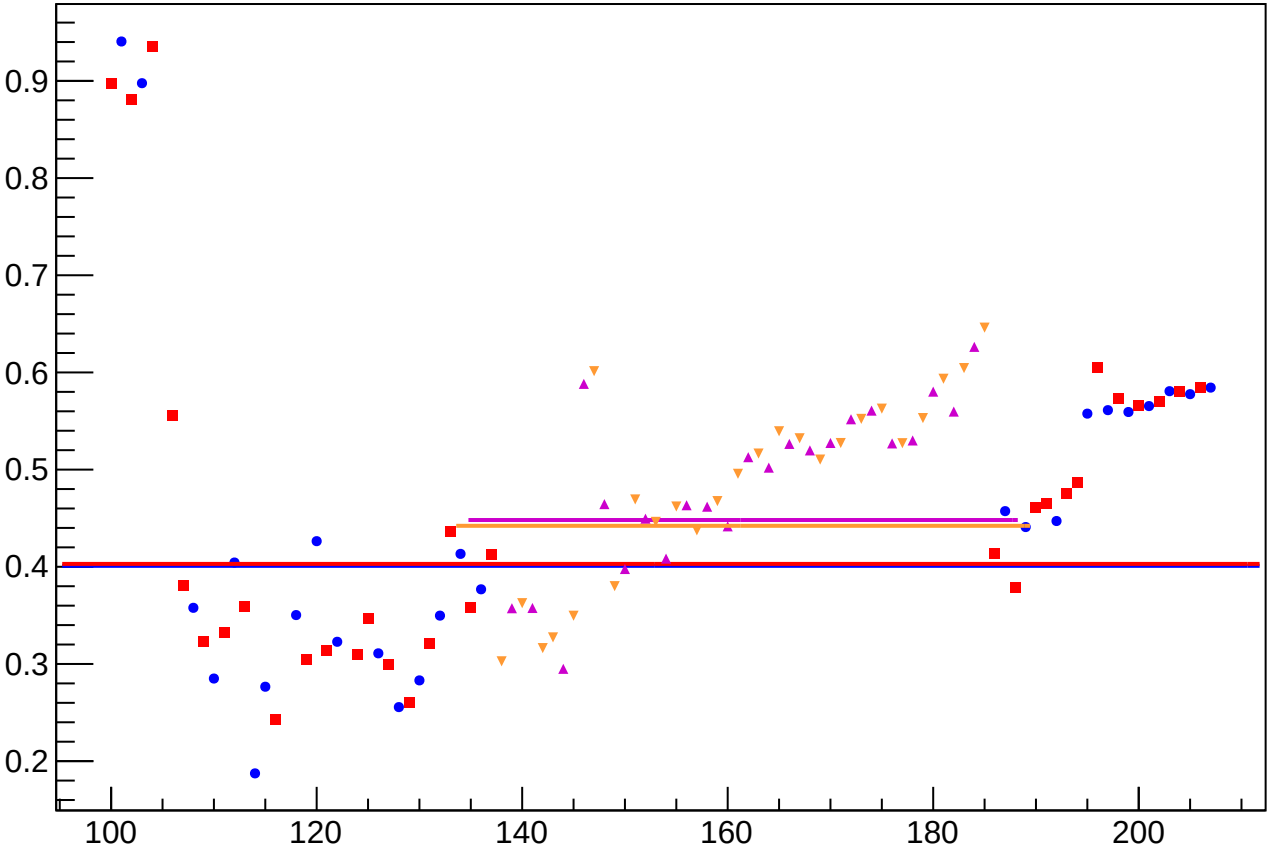
Right: 144.262+/-0.000 χ^2/NDF: 11287451800.8/56

In: 146.300+/-0.000 χ^2/NDF:4295273719.4/48

Out: 145.638+/-0.000 χ^2/NDF:8825410865.5/55

All: 145.955+/-0.000 χ^2/NDF: 13157950439.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.401+/-0.000 χ^2/NDF: 2854761.1/25

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

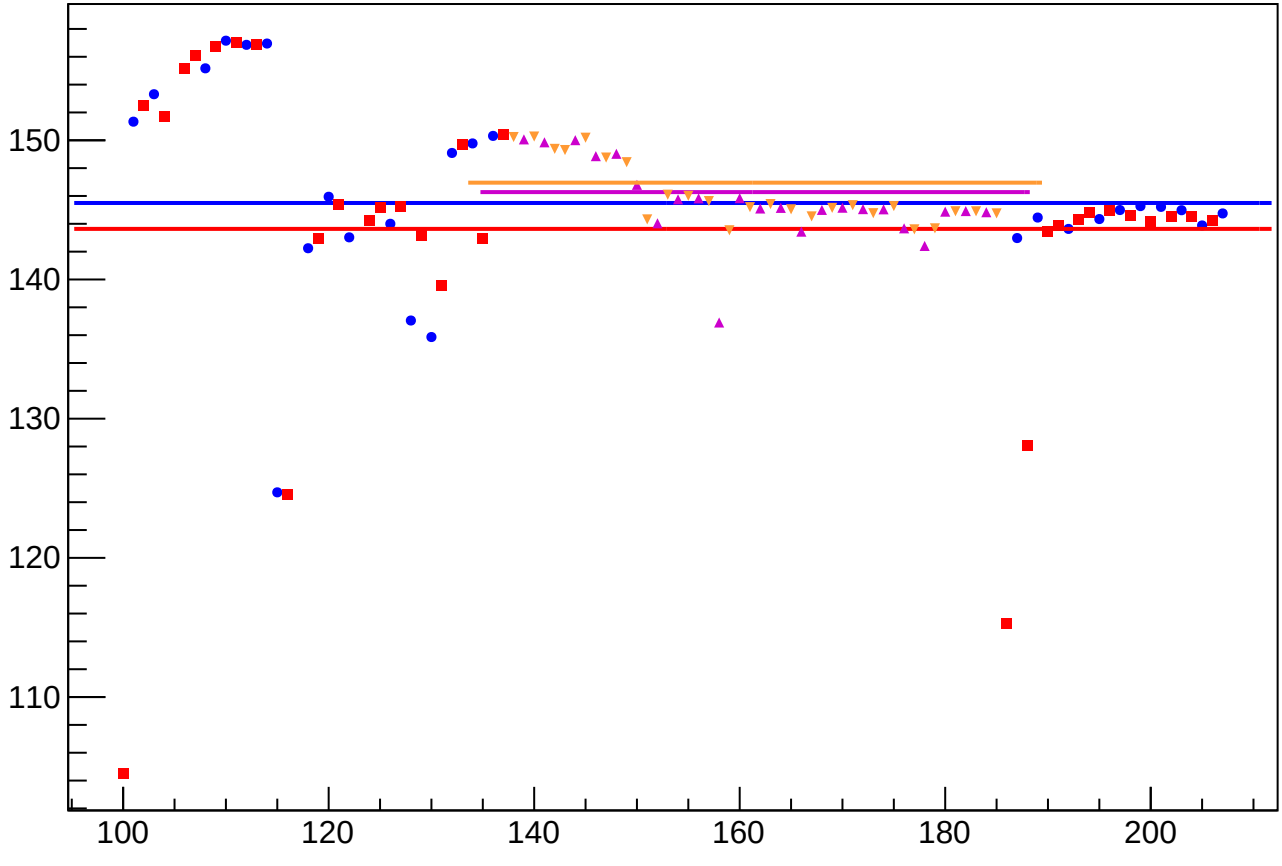
Right: 0.402+/-0.000 χ^2/NDF: 5610264.6/56

In: 0.426+/-0.000 χ^2/NDF:4383677.5/48

Out: 0.423+/-0.000 χ^2/NDF:4595882.9/55

All: 0.424+/-0.000 χ^2/NDF: 8980551.8/104

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.497+/-0.000 χ^2/NDF: 3670393993.0/25

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

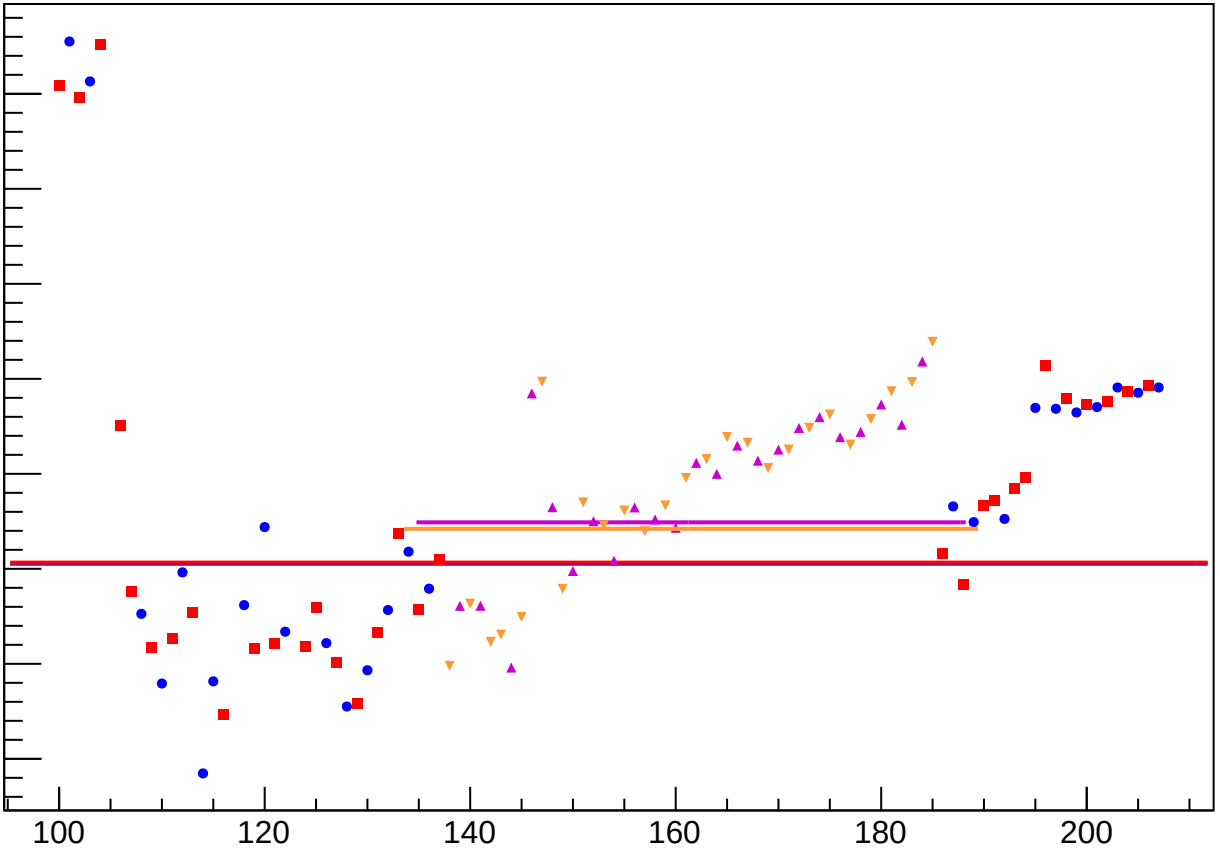
Right: 144.518+/-0.000 χ^2/NDF: 11483054662.7/56

In: 145.908+/-0.000 χ^2/NDF:4520059438.7/48

Out: 145.361+/-0.000 χ^2/NDF:8700923406.9/55

All: 145.622+/-0.000 χ^2/NDF: 13246148705.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.405+/-0.000 χ^2/NDF: 2893594.0/25

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: 0.406+/-0.000 χ^2/NDF: 5677425.3/56

In: 0.428+/-0.000 χ^2/NDF:4346096.5/48

Out: 0.425+/-0.000 χ^2/NDF:4571715.3/55

All: 0.427+/-0.000 χ^2/NDF: 8919688.2/104

yield_cav4bQ_mean vs Slug, Sign Corrected

Right In: 871.868+/-0.000 χ^2/NDF: 12152621824775.2/25

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

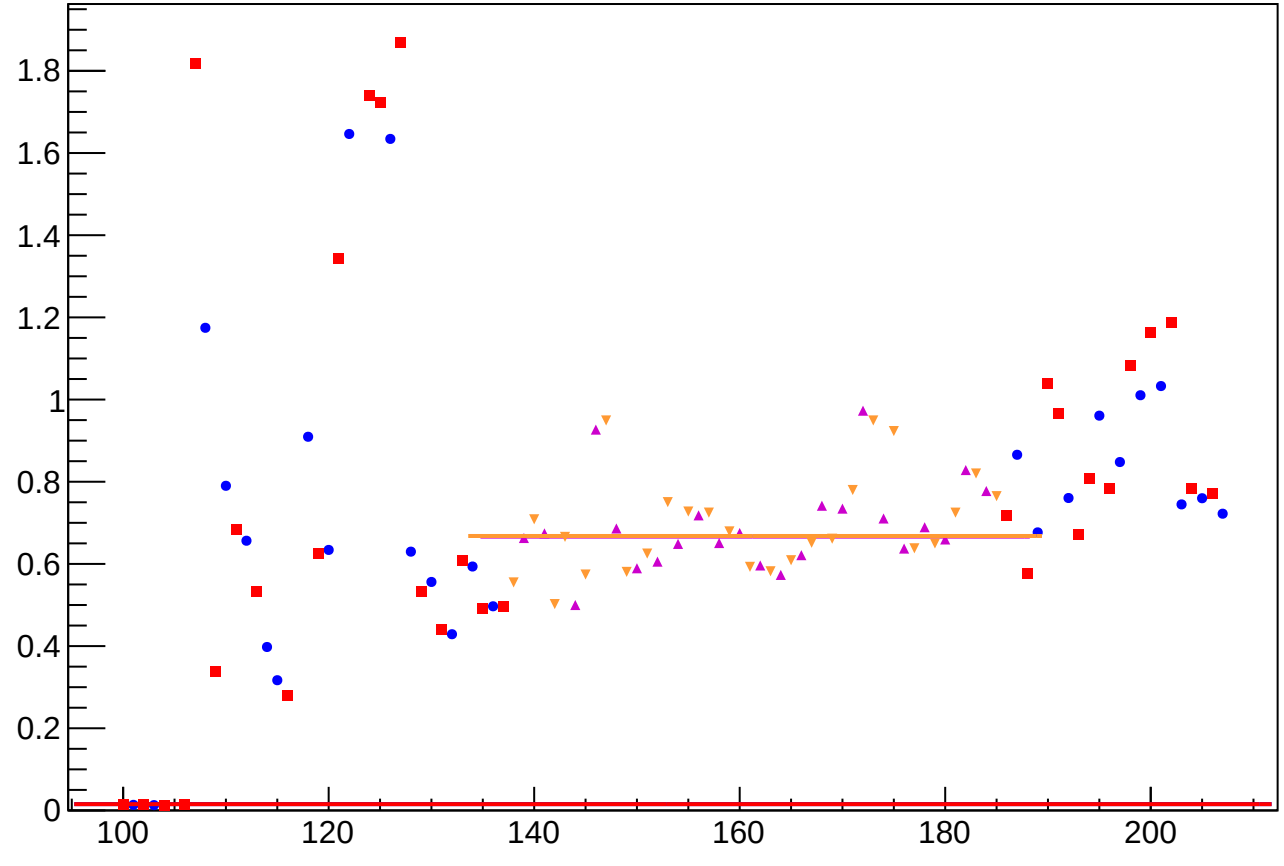
Right: 871.748+/-0.000 χ^2/NDF: 27537846776404.2

In: 868.635+/-0.000 χ^2/NDF:28639396456224.4/4

Out: 868.713+/-0.000 χ^2/NDF:32590252810760.3

All: 868.677+/-0.000 χ^2/NDF: 61229672826

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 21555009.1/25

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

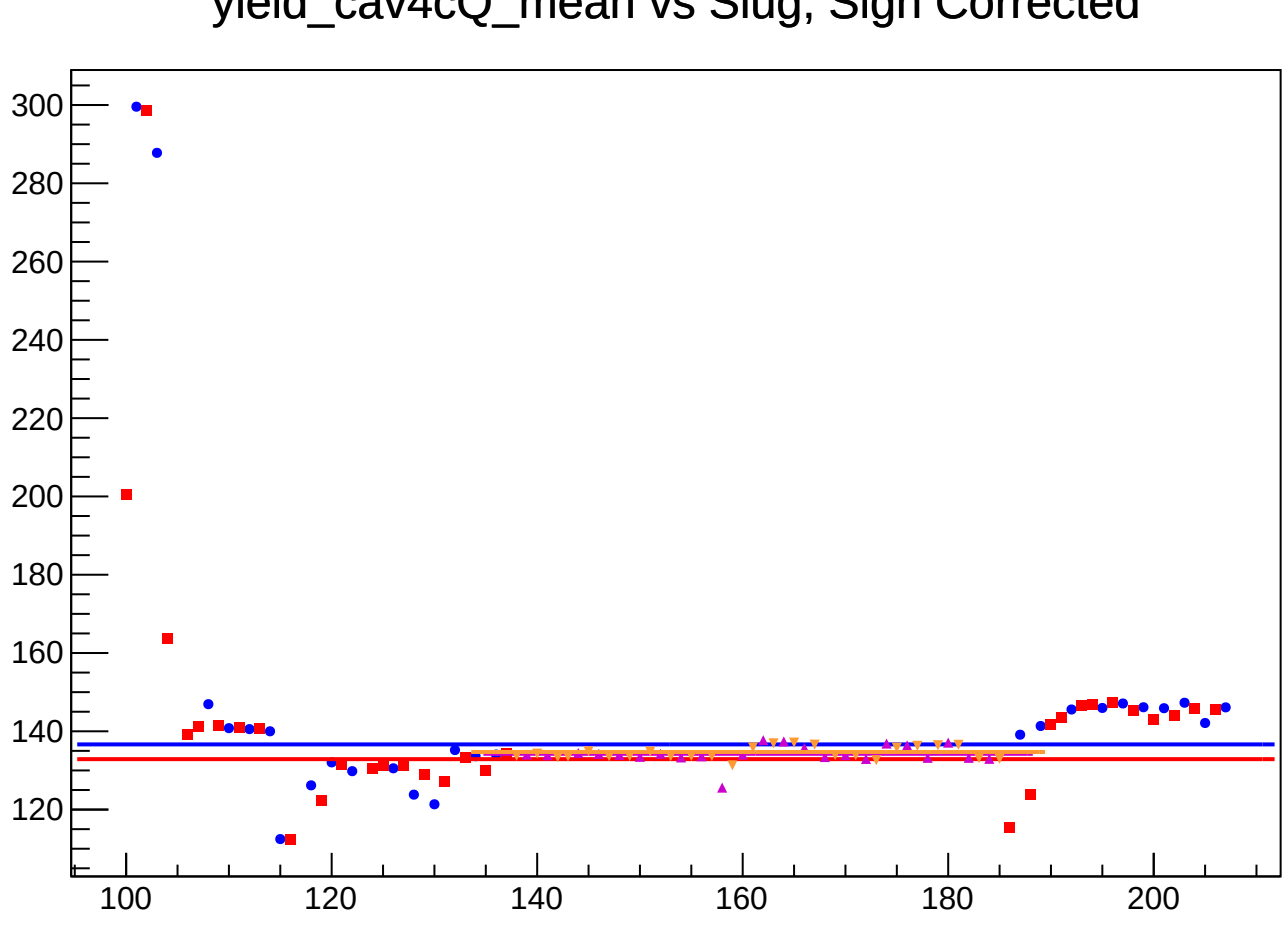
Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

Right: 0.015+/-0.000 χ^2/NDF: 45295761.5/56

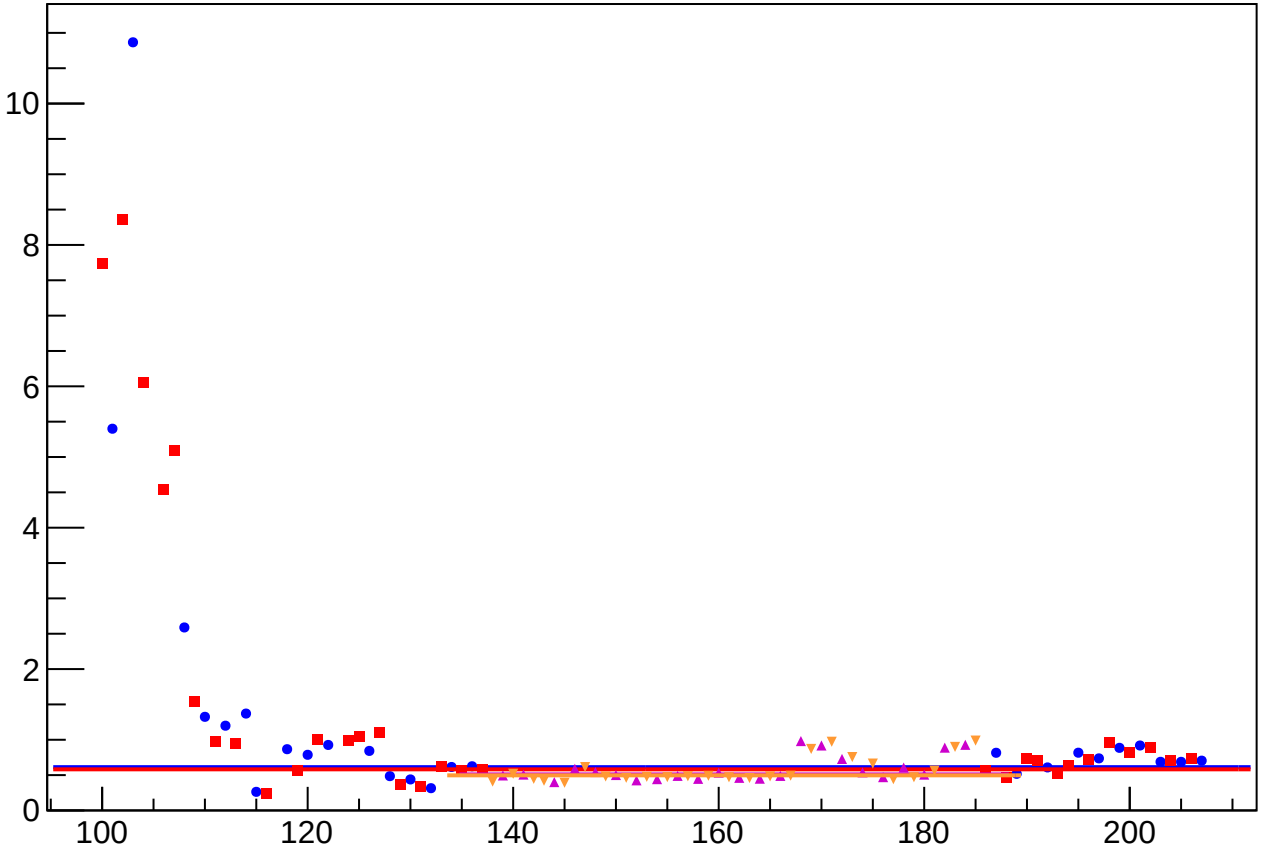
In: 0.018+/-0.000 χ^2/NDF:49440397.1/48

Out: 0.018+/-0.000 χ^2/NDF:53167511.9/55

All: 0.018+/-0.000 χ^2/NDF: 102608925.3/104


yield_cav4cQ_mean vs Slug, Sign Corrected
300
280
260
240
220
200
180
160
140
120
100
120
140
160
180
200
Right In: 136.654+/-0.000 χ²/NDF: 3451943791.1/25
Left Out: 134.714+/-0.000 χ²/NDF:159886495.0/24
Right Out: 132.885+/-0.000 χ²/NDF: 4981191413.9/30
Left In: 134.250+/-0.000 χ²/NDF:441522664.4/22
Left: 134.494+/-0.000 χ²/NDF: 608238403.3/47
Right: 134.594+/-0.000 χ²/NDF: 8635545362.6/56
In: 134.974+/-0.000 χ²/NDF:3998721423.9/48
Out: 134.129+/-0.000 χ²/NDF:5212595082.5/55
All: 134.525+/-0.000 χ²/NDF: 9244184582.7

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.612+/-0.000 χ^2/NDF: 4885058.4/25

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

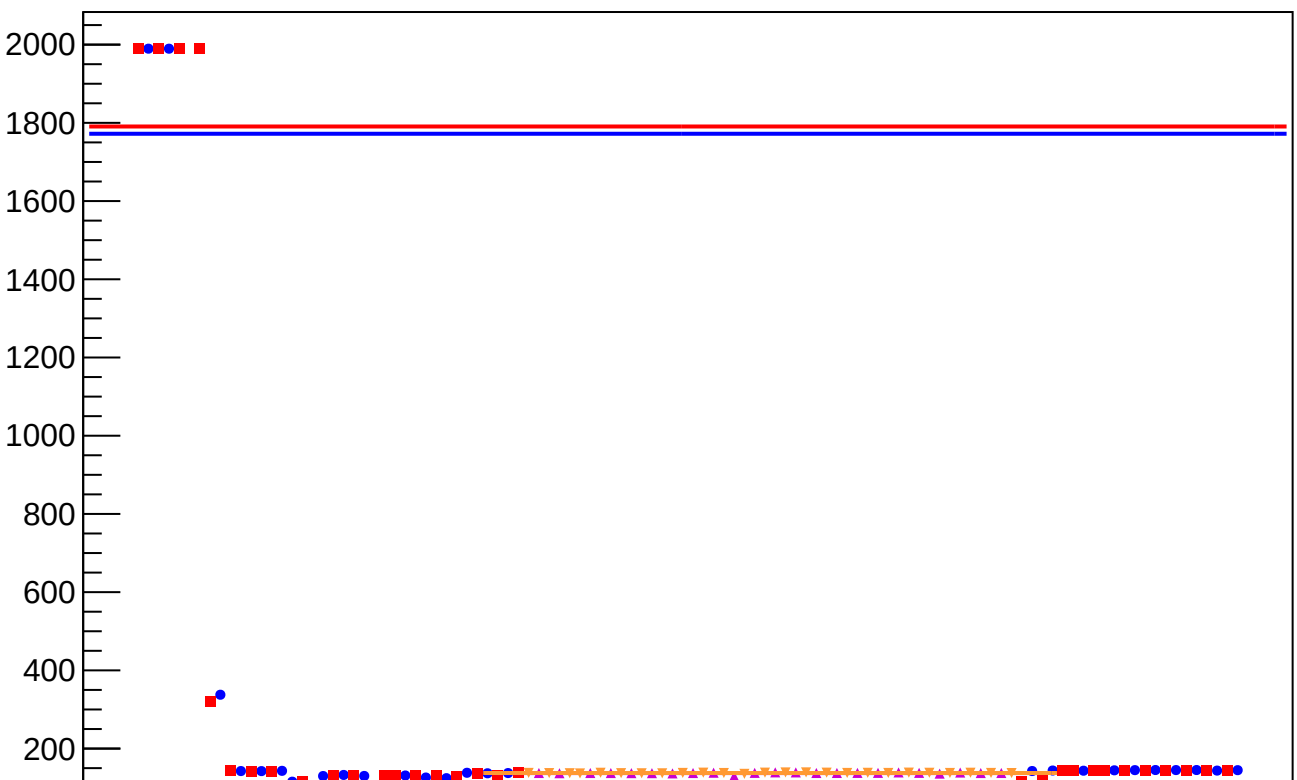
Right: 0.596+/-0.000 χ^2/NDF: 10859635.1/56

In: 0.541+/-0.000 χ^2/NDF:6756106.1/48

Out: 0.524+/-0.000 χ^2/NDF:7828585.8/55

All: 0.532+/-0.000 χ^2/NDF: 14609926.4/104

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1772.107+/-0.000 χ^2/NDF: 211354151683428.5/25

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

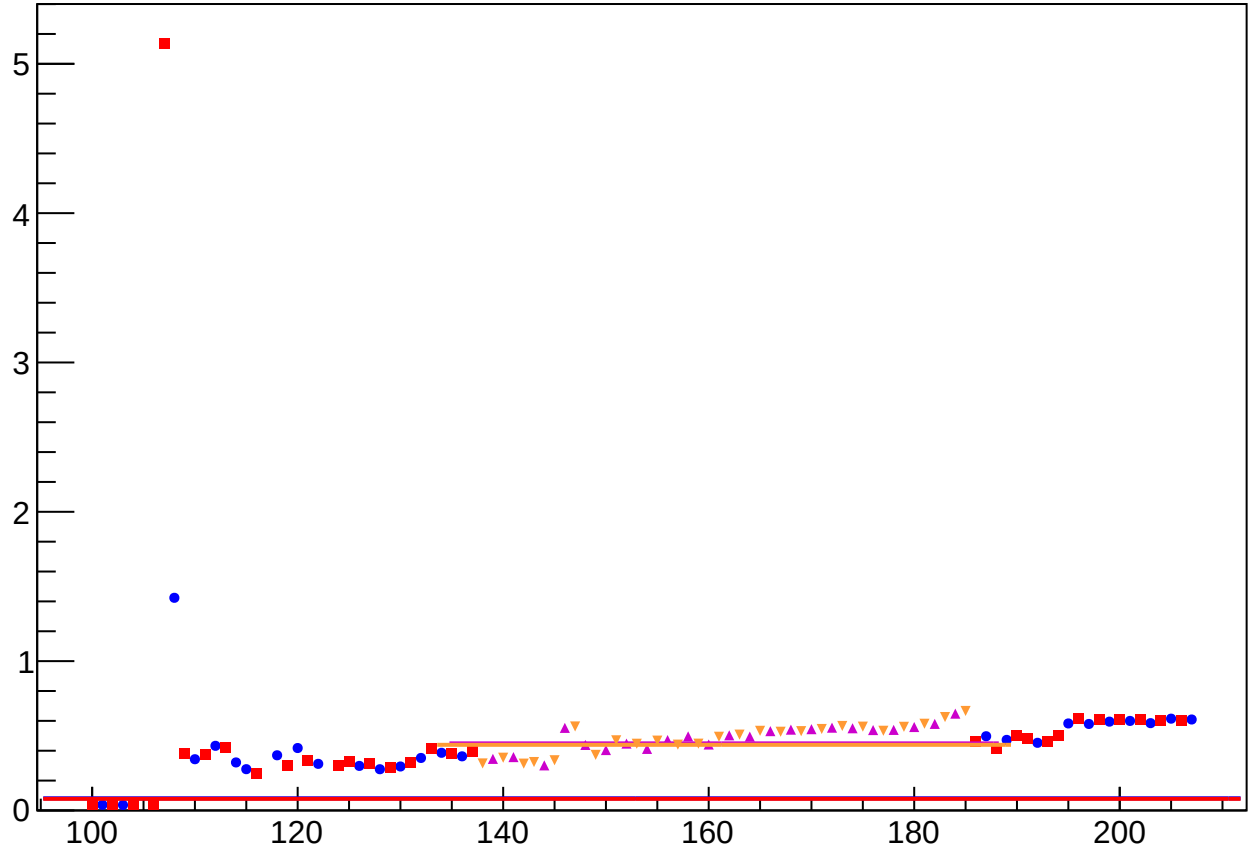
Right: 1782.129+/-0.000 χ^2/NDF: 44077926315376

In: 1567.722+/-0.000 χ^2/NDF:409833813423886.

Out: 1596.187+/-0.000 χ^2/NDF:453186055321140

All: 1583.023+/-0.000 χ^2/NDF: 8633155598

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.081+/-0.000 χ^2/NDF: 19395434.8/25

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

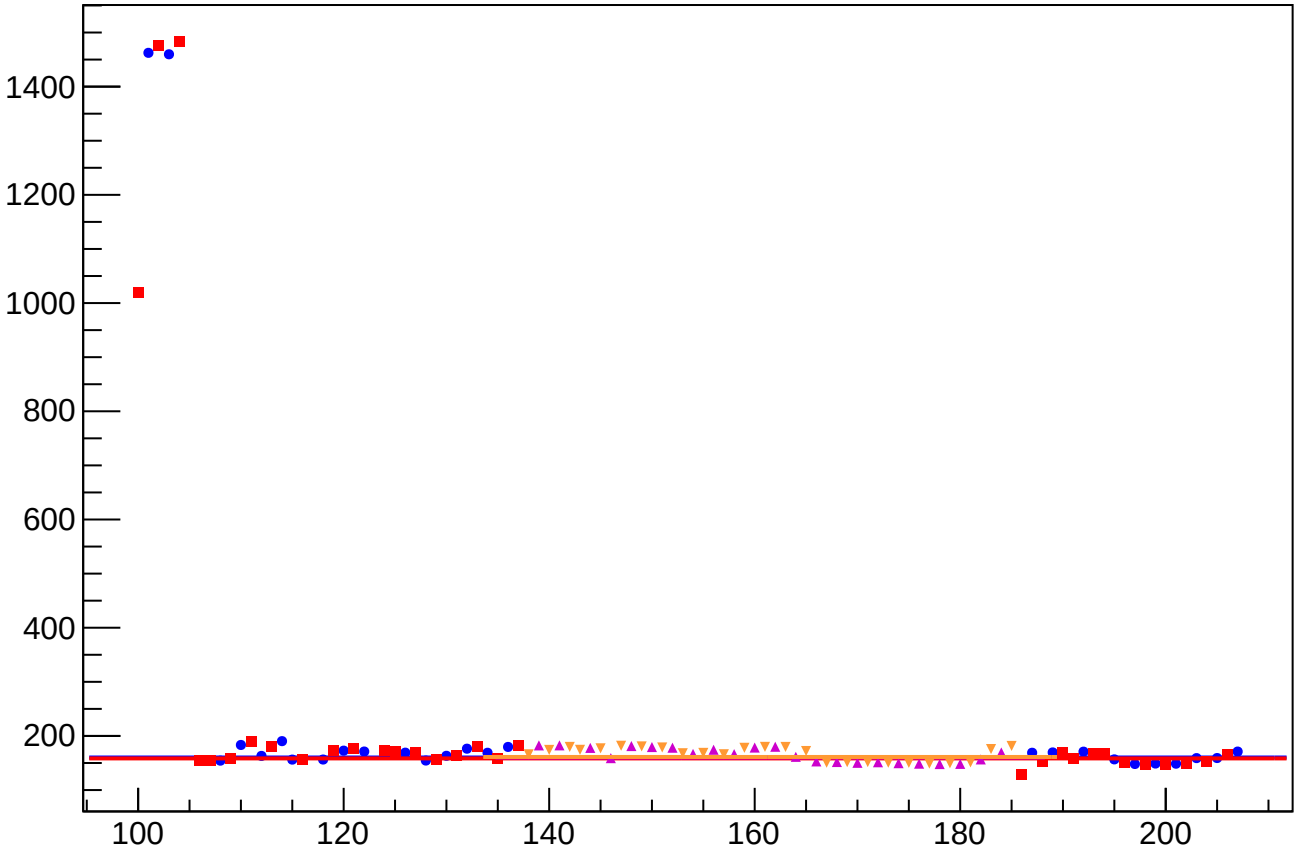
Right: 0.079+/-0.000 χ^2/NDF: 40397588.9/56

In: 0.127+/-0.000 χ^2/NDF:40834398.0/48

Out: 0.120+/-0.000 χ^2/NDF:44198100.2/55

All: 0.124+/-0.000 χ^2/NDF: 85068552.8/104

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 160.159+/-0.000 χ^2/NDF: 15780598152.2/25

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

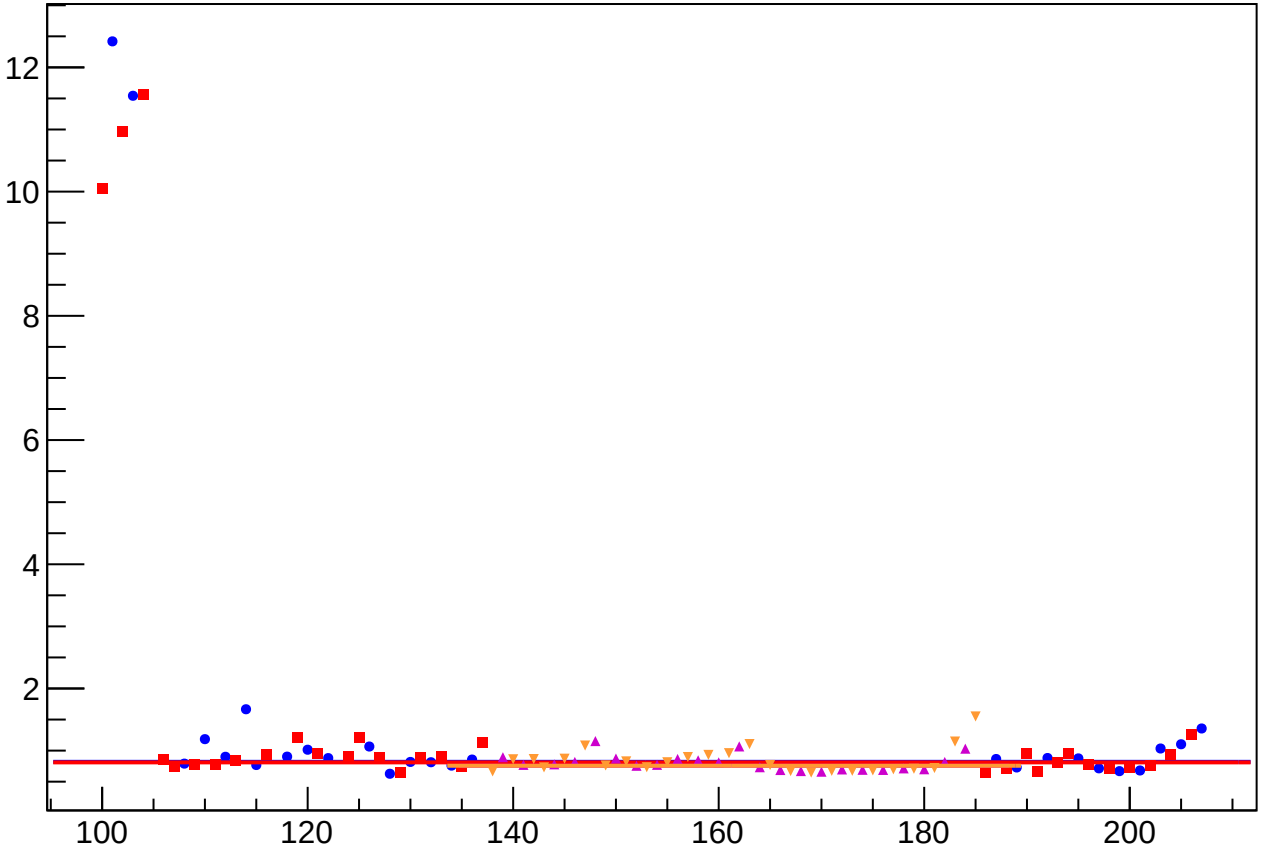
Right: 159.257+/-0.000 χ^2/NDF: 33990477603.5/56

In: 160.147+/-0.000 χ^2/NDF:19518984705.1/48

Out: 160.060+/-0.000 χ^2/NDF:21998051856.5/55

All: 160.102+/-0.000 χ^2/NDF: 41517188186.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.819+/-0.000 χ^2/NDF: 2853352.4/25

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

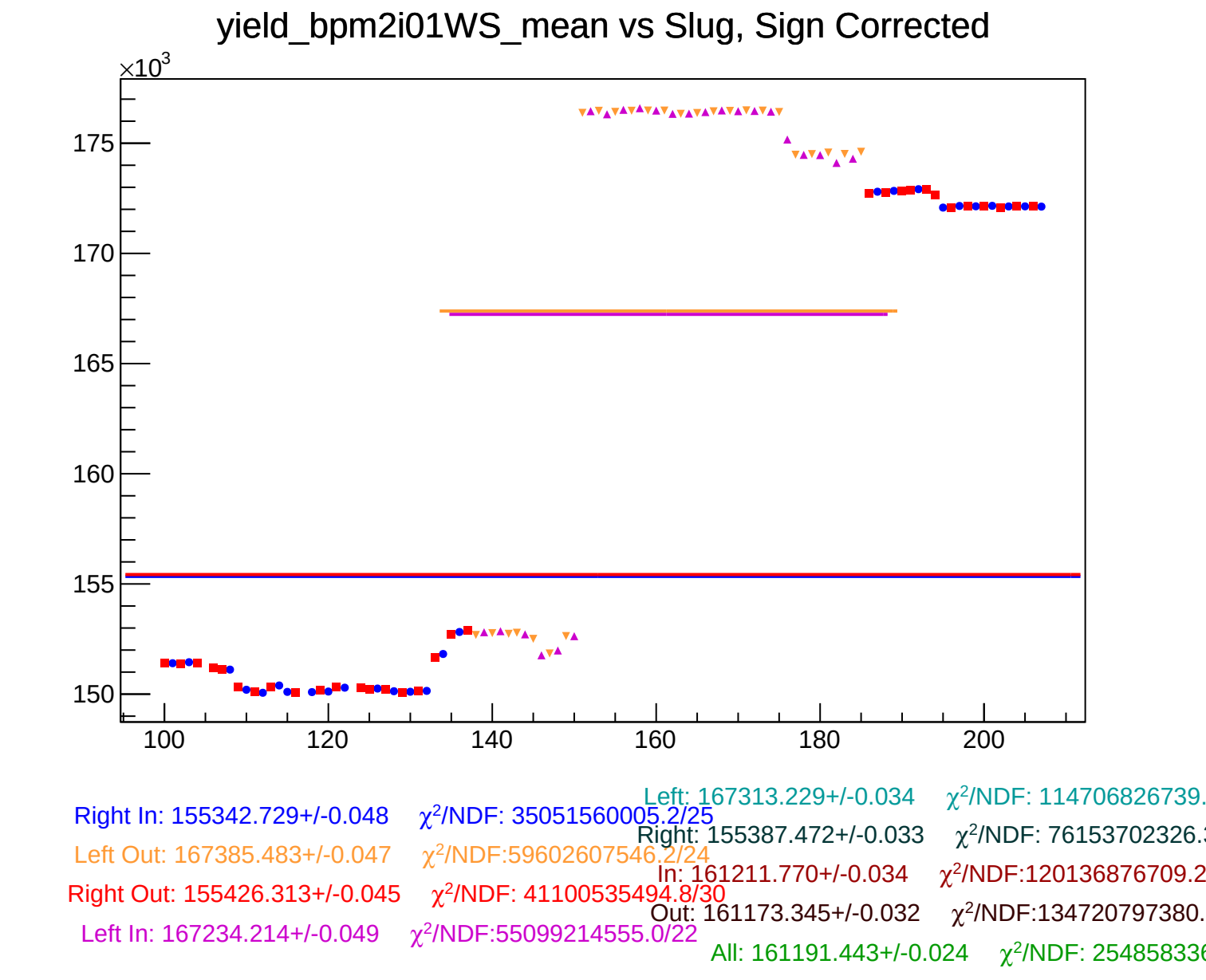
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.815+/-0.000 χ^2/NDF: 5470785.0/56

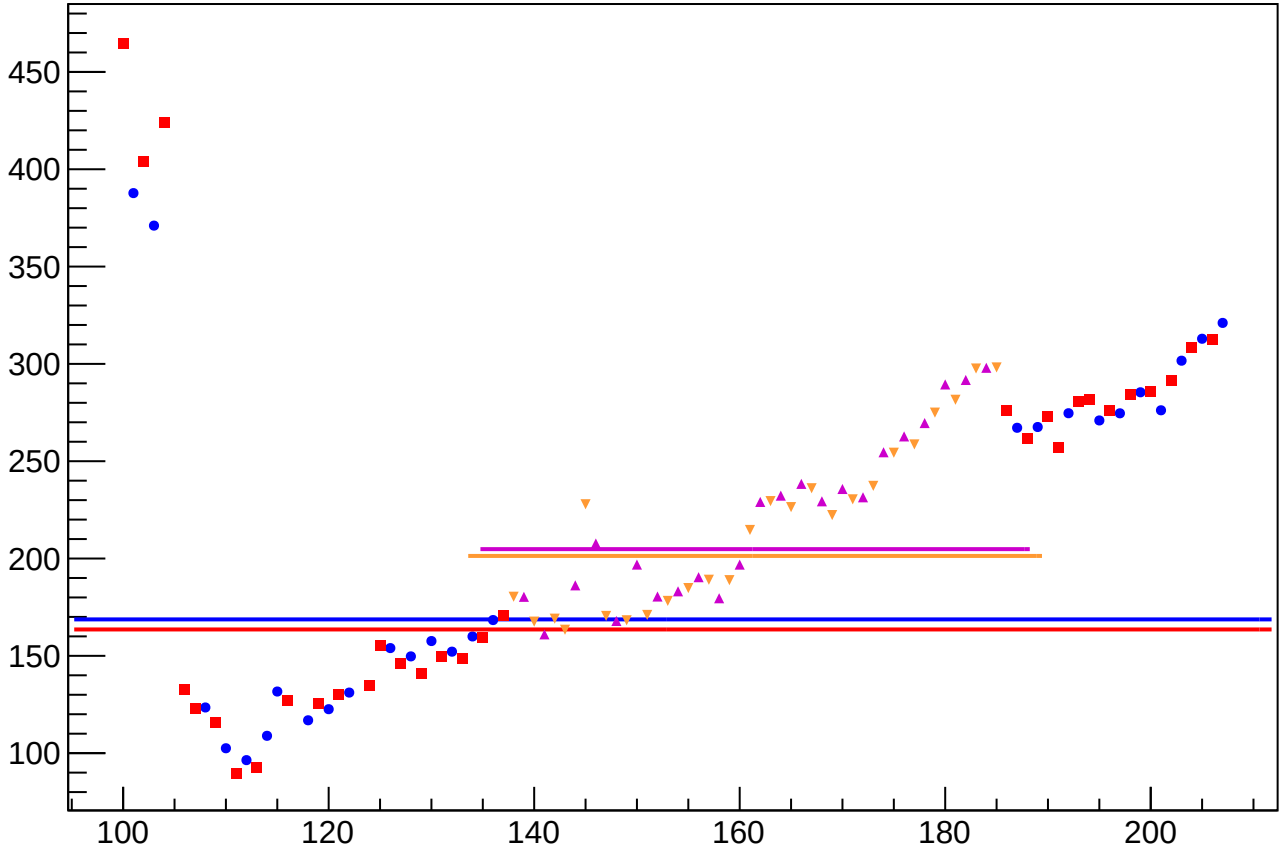
In: 0.780+/-0.000 χ^2/NDF:3399531.2/48

Out: 0.778+/-0.000 χ^2/NDF:3425197.9/55

All: 0.779+/-0.000 χ^2/NDF: 6824809.2/104


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
120
140
160
180
200
Right In: 155342.729+/-0.048 χ²/NDF: 35051560005.2/25
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 155426.313+/-0.045 χ²/NDF: 41100535494.8/30
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 155387.472+/-0.033 χ²/NDF: 76153702326.
In: 161211.770+/-0.034 χ²/NDF:120136876709.2
Out: 161173.345+/-0.032 χ²/NDF:134720797380.
All: 161191.443+/-0.024 χ²/NDF: 25485836

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 168.725+/-0.034 χ^2/NDF: 4766863.3/25

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

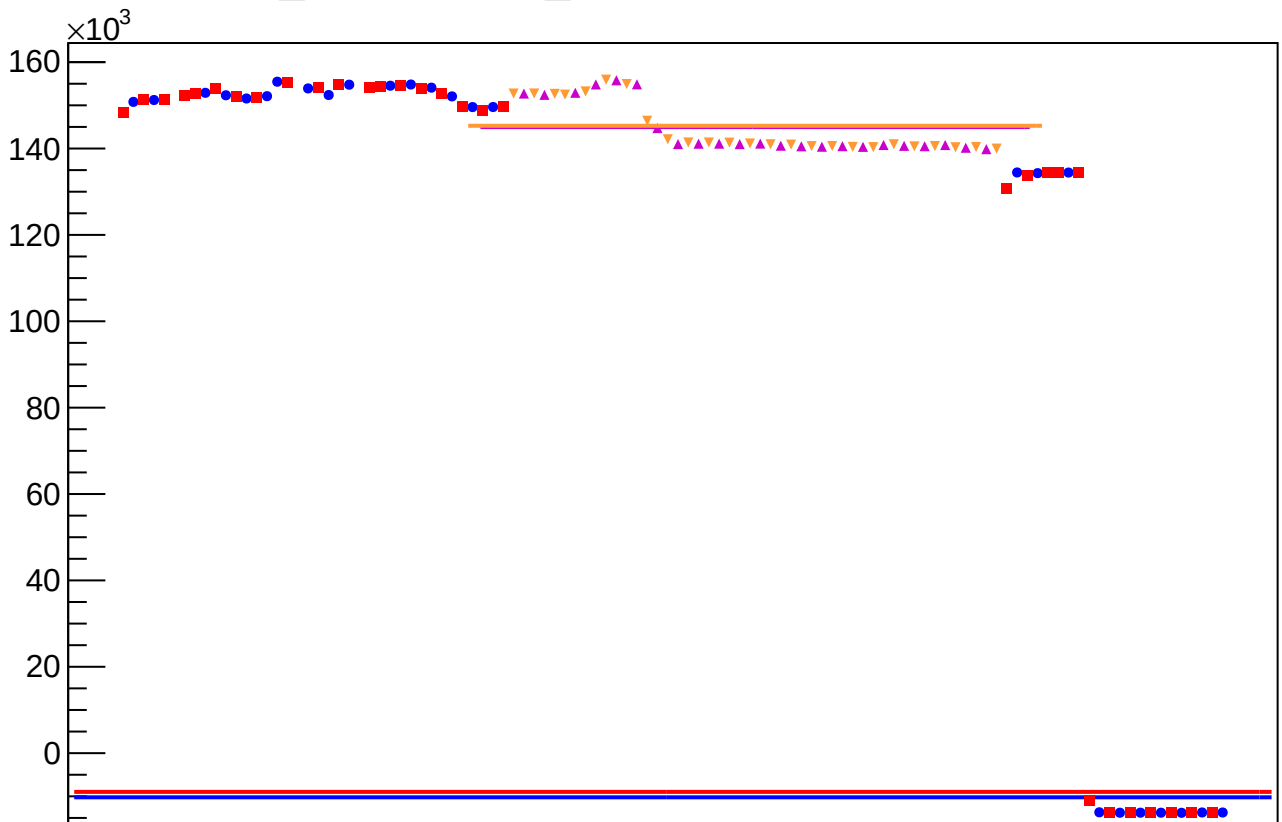
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 165.957+/-0.023 χ^2/NDF: 10540202.3/56

In: 186.543+/-0.024 χ^2/NDF:6372717.6/48

Out: 181.707+/-0.023 χ^2/NDF:7670469.5/55

All: 183.984+/-0.017 χ^2/NDF: 14064177.0/10



Right In: -10224.621+/-0.010 χ^2/NDF: 5854163625634.0/25

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

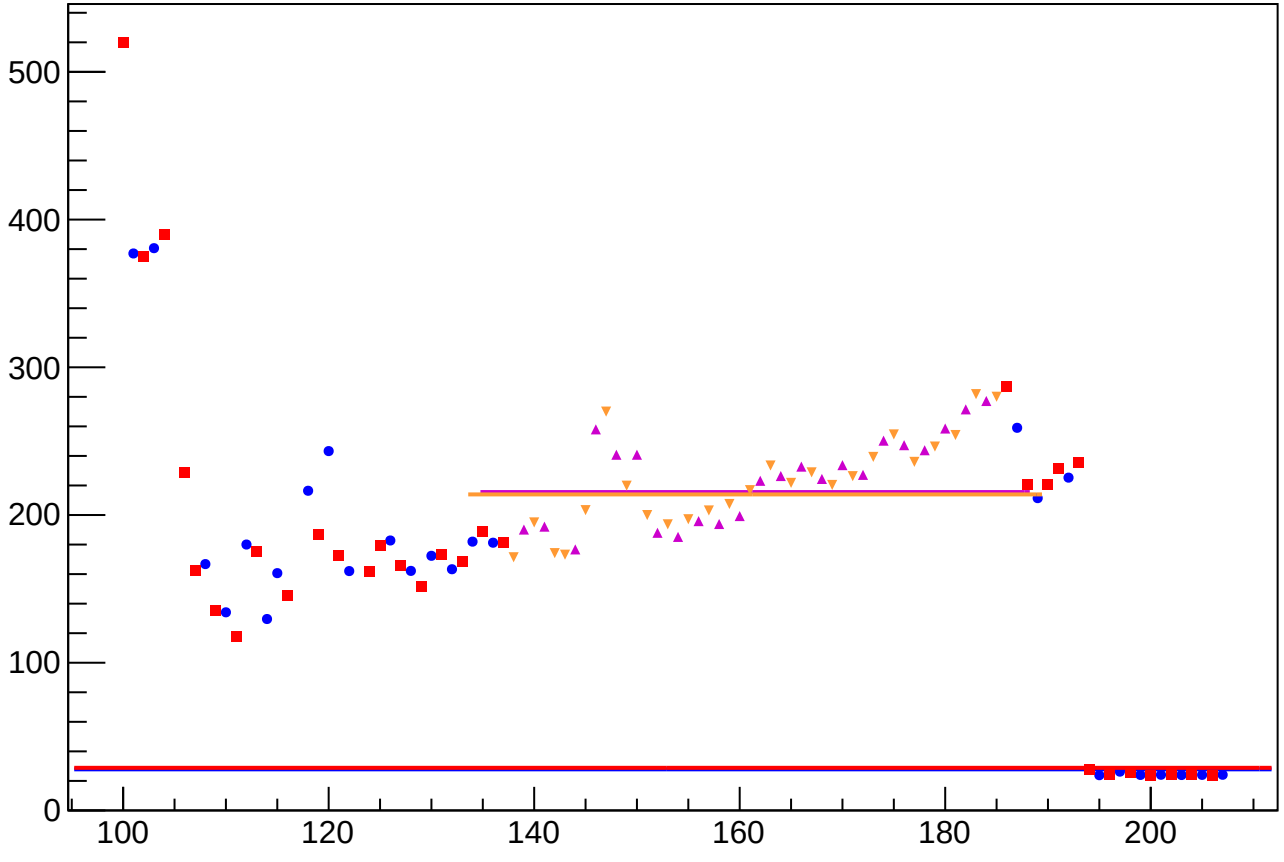
Right: -9614.010+/-0.007 χ^2/NDF: 1296754939119

In: -4697.213+/-0.010 χ^2/NDF:14726035302852.3

Out: -2722.730+/-0.010 χ^2/NDF:16477261286041

All: -3737.406+/-0.007 χ^2/NDF: 3122359072

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.836+/-0.007 χ^2/NDF: 12632710.0/25

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

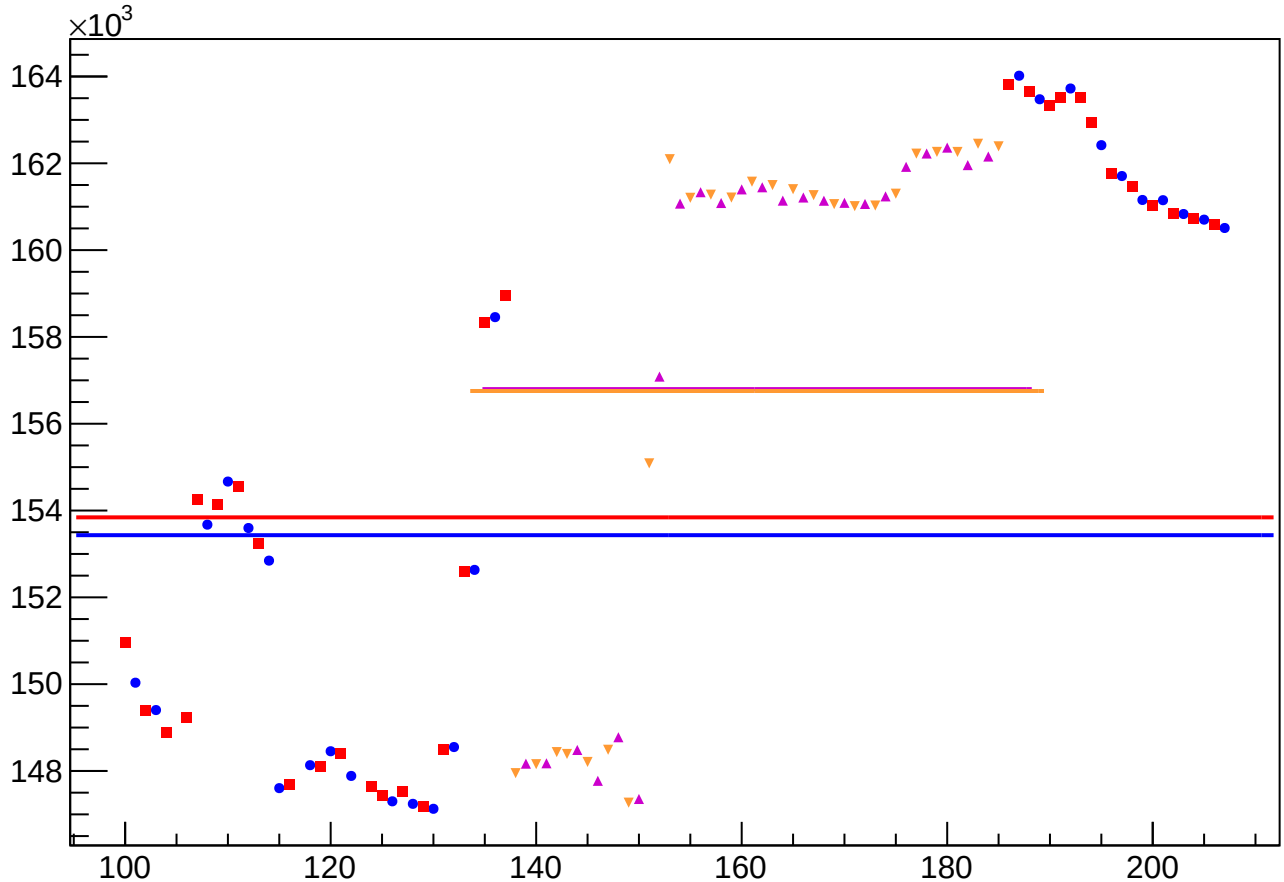
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.333+/-0.005 χ^2/NDF: 27013933.6/56

In: 34.521+/-0.007 χ^2/NDF:39151655.3/48

Out: 36.352+/-0.007 χ^2/NDF:41974964.5/55

All: 35.412+/-0.005 χ^2/NDF: 81161523.4/104



Right In: 153432.356+/-0.055 χ^2/NDF: 10966045797.4/25

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

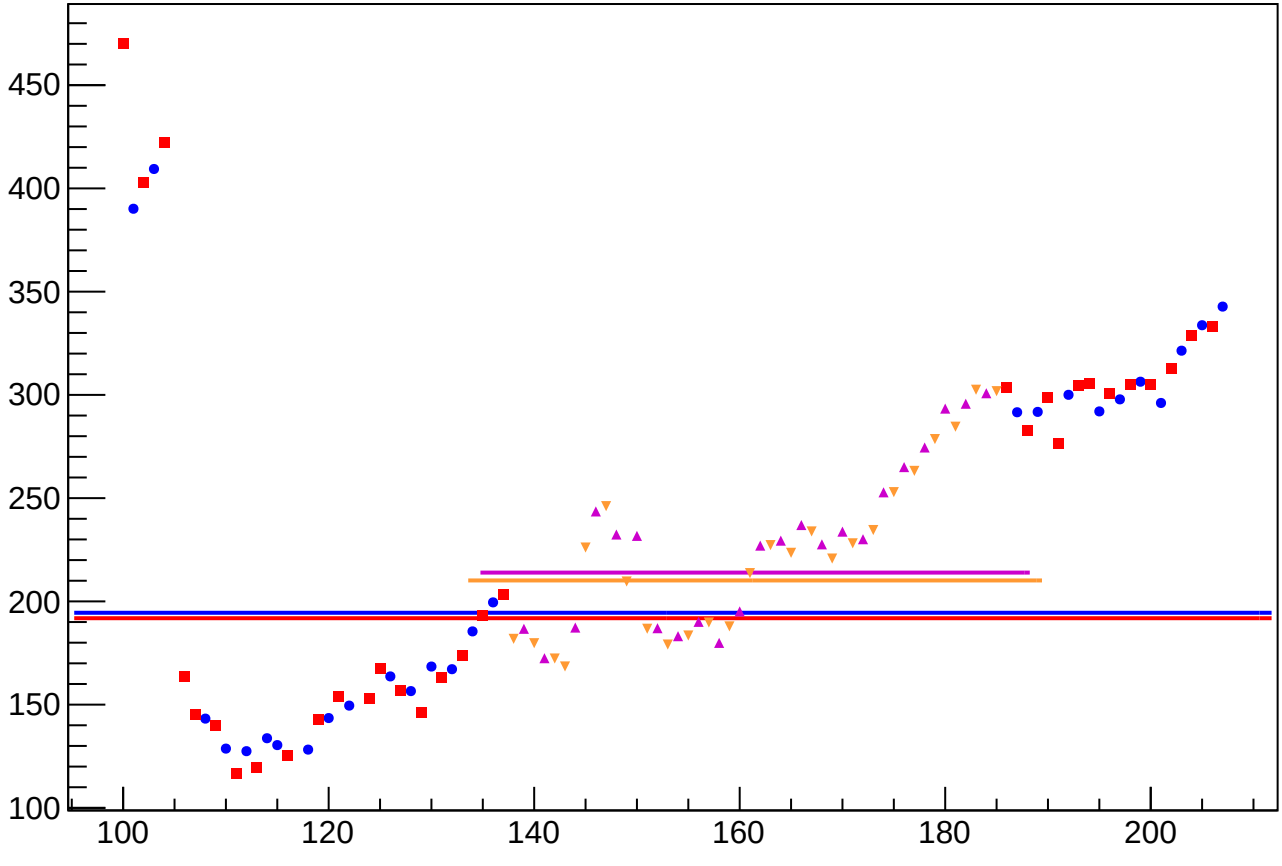
Right: 153648.691+/-0.038 χ^2/NDF: 2310743567

In: 155235.055+/-0.037 χ^2/NDF:27336441259.2/4

Out: 155391.332+/-0.035 χ^2/NDF:30169740288.1

All: 155317.094+/-0.026 χ^2/NDF: 57515401

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 194.489+/-0.039 χ^2/NDF: 3989967.2/25

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

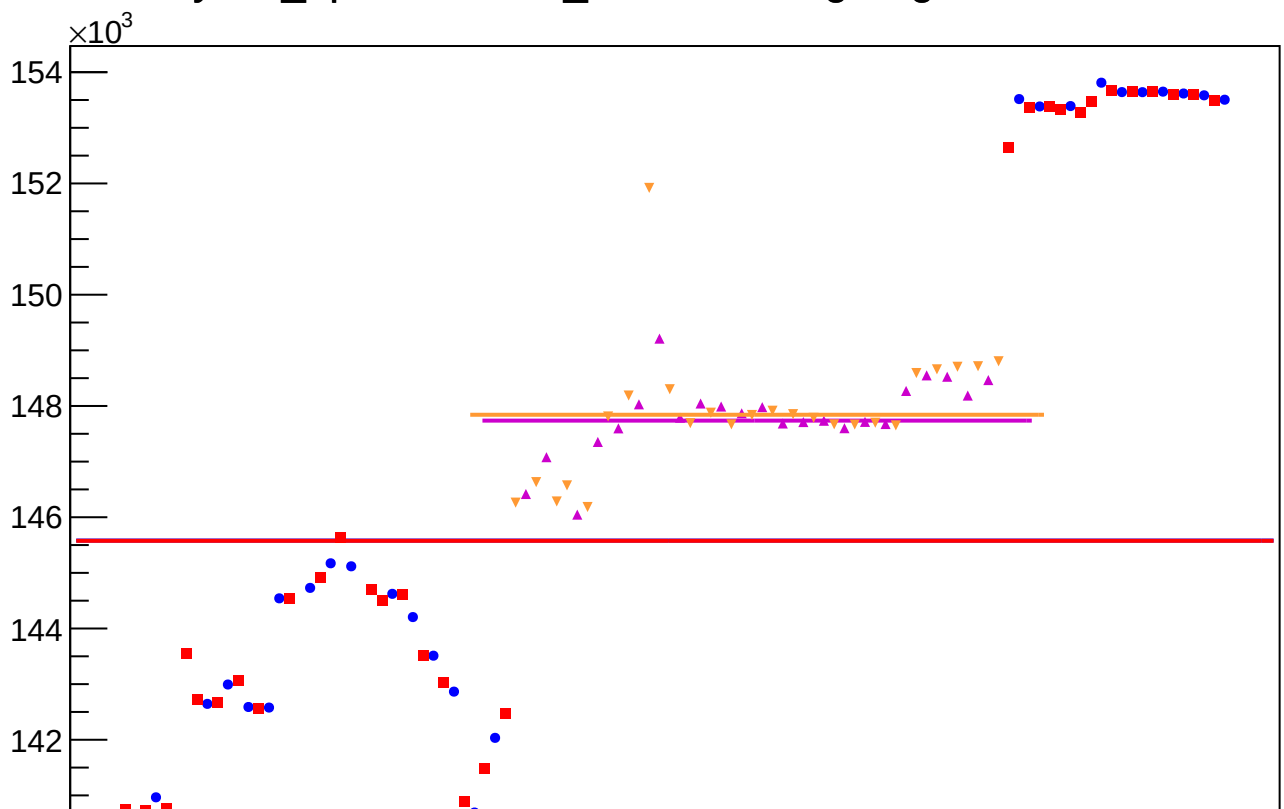
Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

Right: 193.098+/-0.027 χ^2/NDF: 8611208.5/56

In: 204.910+/-0.026 χ^2/NDF:5039865.5/48

Out: 201.579+/-0.025 χ^2/NDF:5749016.2/55

All: 203.161+/-0.018 χ^2/NDF: 10797260.1/10



Right In: 145581.114+/-0.047 χ^2/NDF: 8786782765.5/25

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

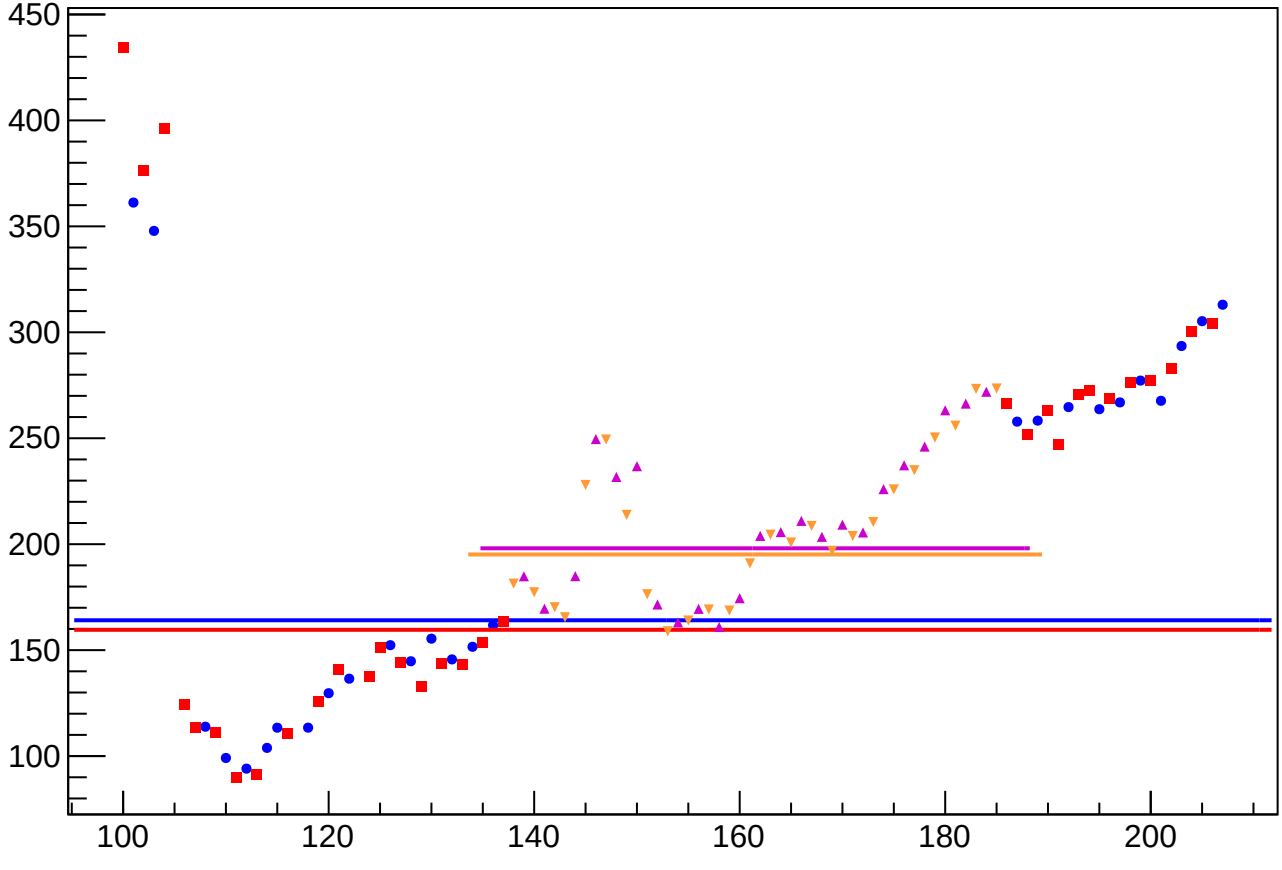
Right: 145578.569+/-0.032 χ^2/NDF: 18847871450.3

In: 146652.636+/-0.033 χ^2/NDF:10063539768.1/4

Out: 146674.407+/-0.031 χ^2/NDF:12073207179.0/

All: 146664.143+/-0.023 χ^2/NDF: 221369733

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 164.097+/-0.033 χ^2/NDF: 4715518.9/25

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

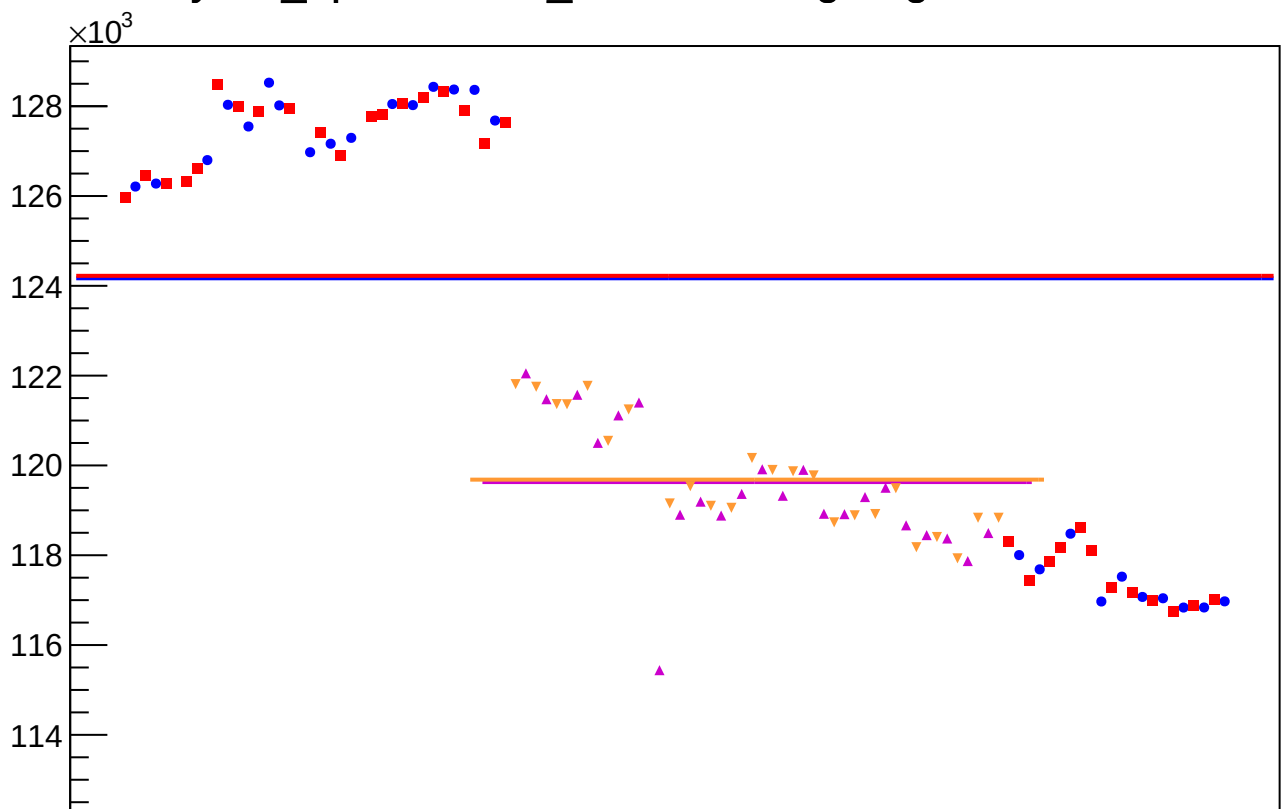
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 161.692+/-0.023 χ^2/NDF: 10347176.0/56

In: 180.978+/-0.024 χ^2/NDF:6136914.4/48

Out: 176.825+/-0.022 χ^2/NDF:7165312.3/55

All: 178.783+/-0.016 χ^2/NDF: 13318704.2/10



Right In: 124167.638+/-0.047 χ^2/NDF: 10924864753.5/25

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

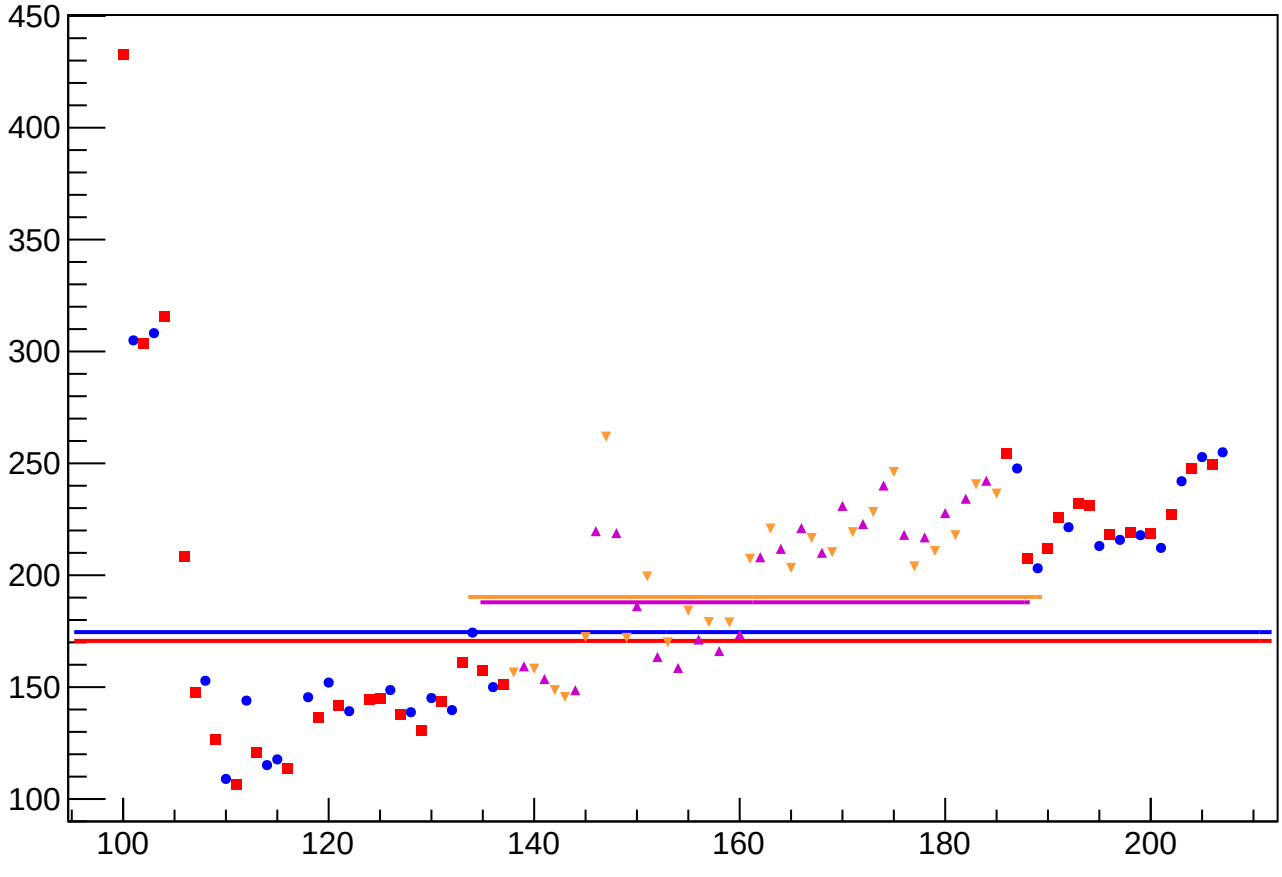
Right: 124196.829+/-0.032 χ^2/NDF: 23093212888.8

In: 121777.895+/-0.033 χ^2/NDF:17059354275.3/4

Out: 121936.680+/-0.031 χ^2/NDF:19373415593.2/

All: 121860.342+/-0.023 χ^2/NDF: 36445054

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 174.588+/-0.034 χ^2/NDF: 2077402.8/25

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

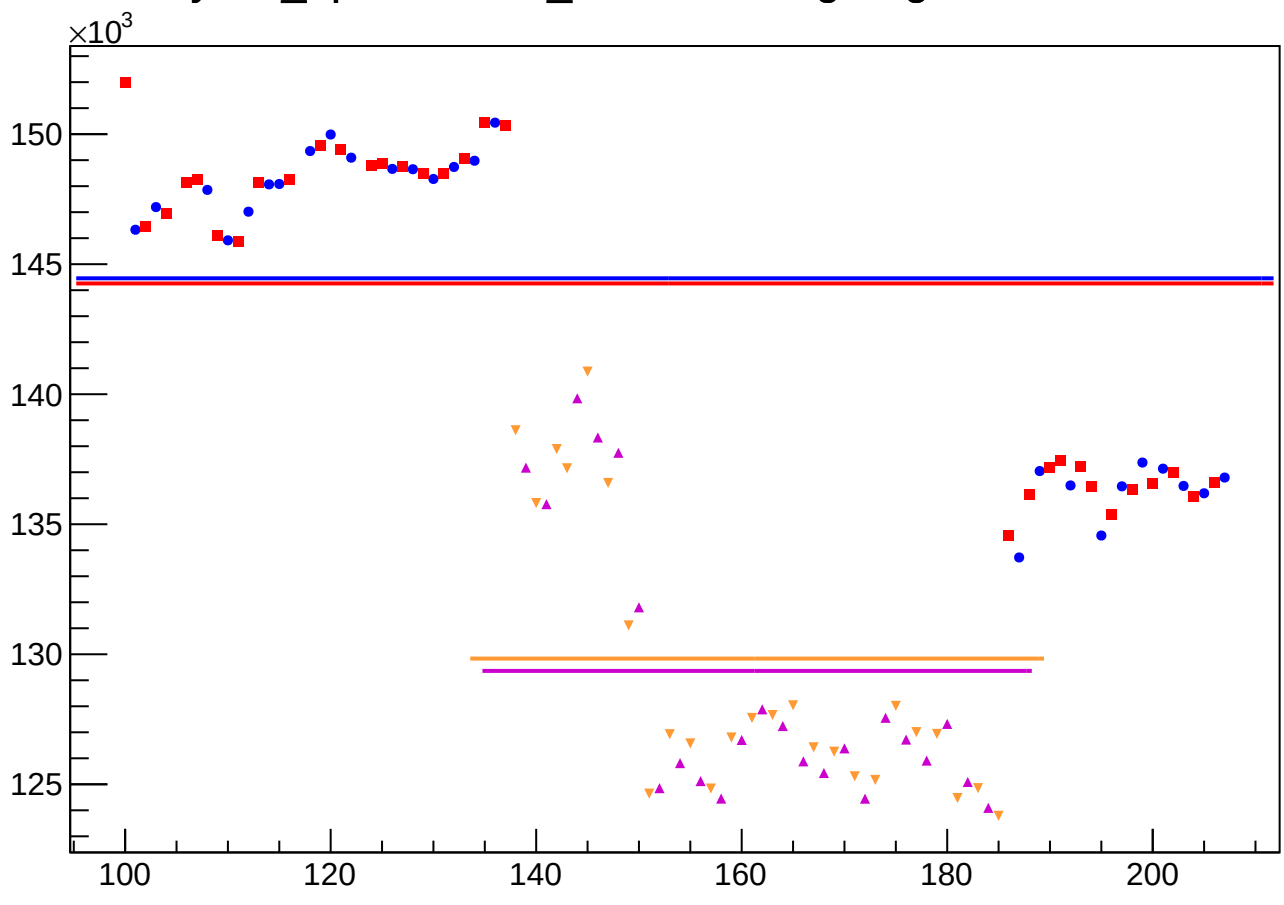
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 172.505+/-0.023 χ^2/NDF: 4800460.0/56

In: 181.603+/-0.023 χ^2/NDF:3086450.8/48

Out: 180.553+/-0.022 χ^2/NDF:3835621.8/55

All: 181.058+/-0.016 χ^2/NDF: 6923147.7/104



Right In: 144457.058+/-0.067 χ^2/NDF: 7619223002.8/25

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

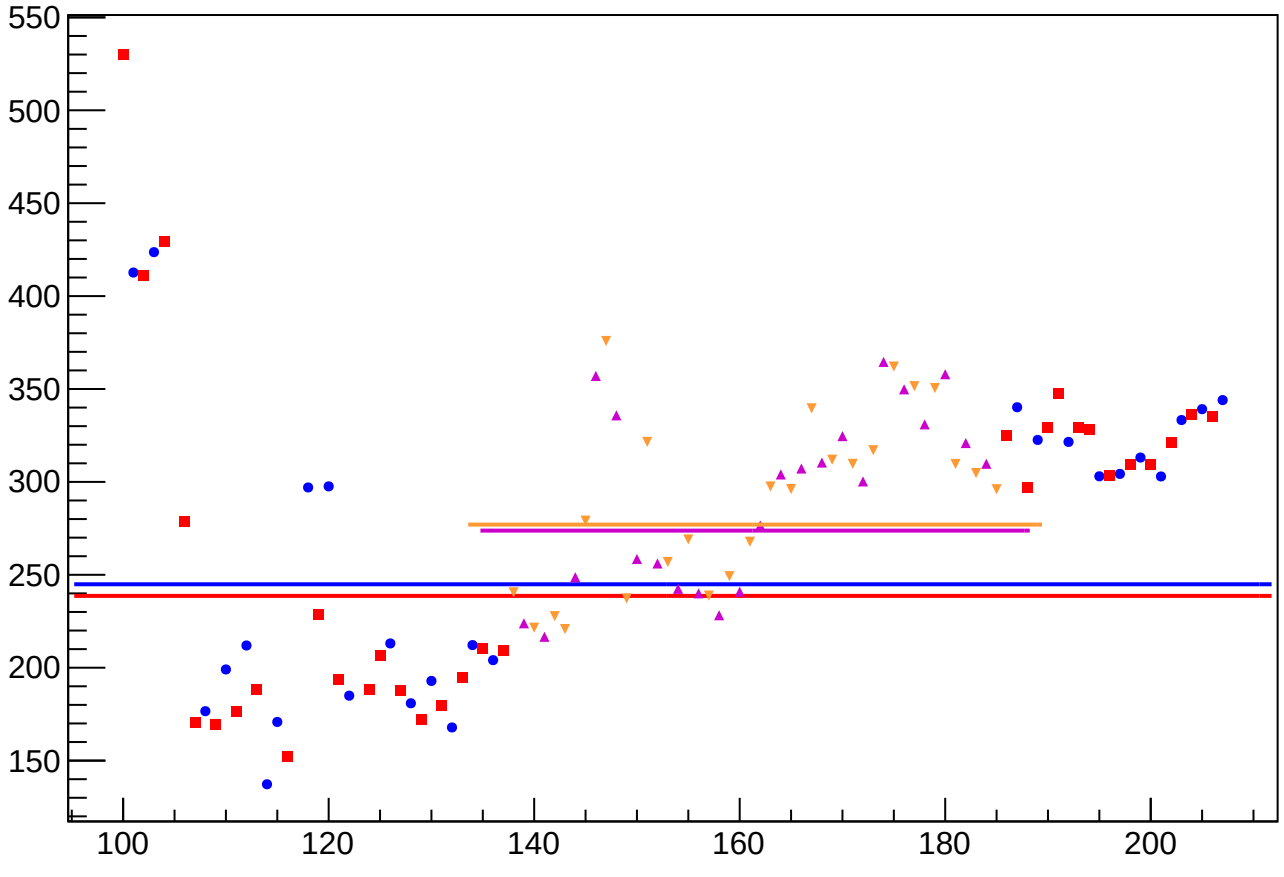
Right: 144351.199+/-0.046 χ^2/NDF: 16118702317.8

In: 136745.661+/-0.047 χ^2/NDF:40349275785.4/4

Out: 137258.796+/-0.045 χ^2/NDF:41272428099.7

All: 137013.366+/-0.032 χ^2/NDF: 81684692

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 244.911+/-0.047 χ^2/NDF: 2272318.4/25

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

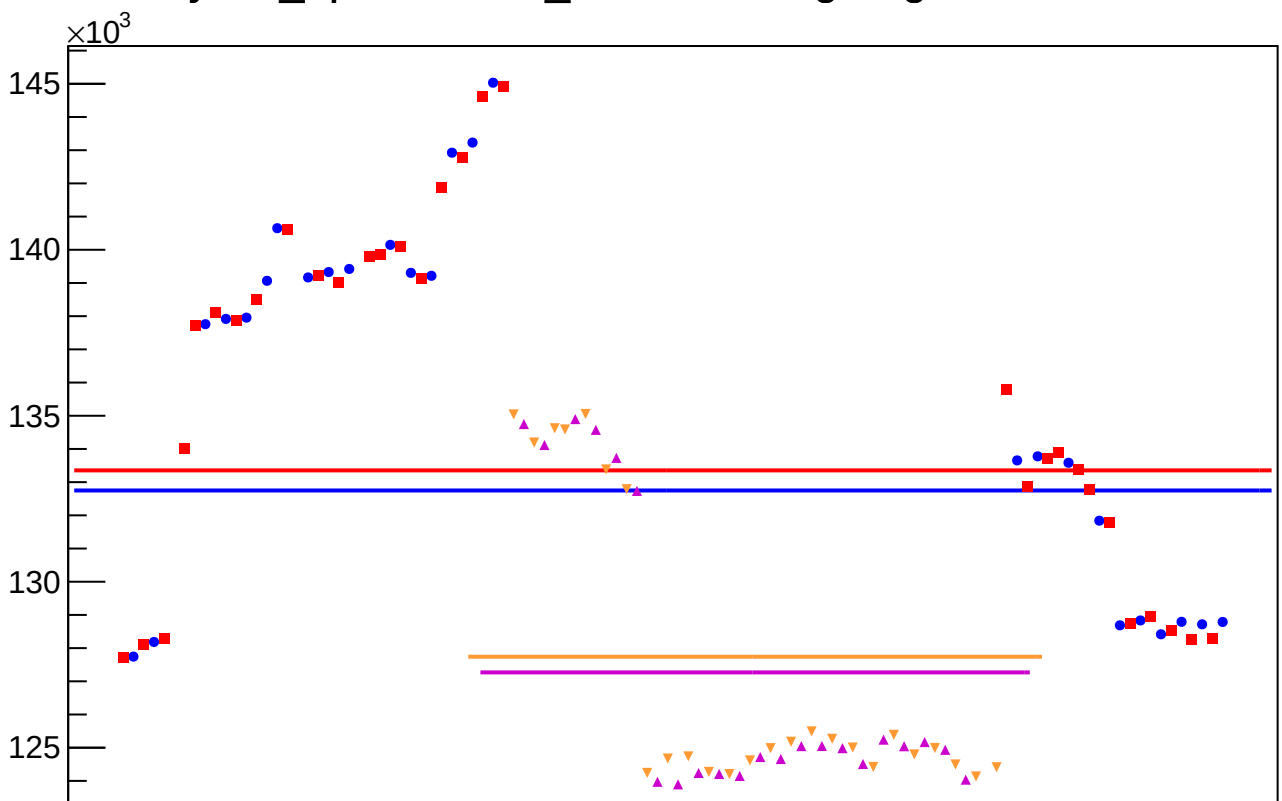
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 241.565+/-0.032 χ^2/NDF: 4922491.4/56

In: 259.659+/-0.033 χ^2/NDF:3467211.2/48

Out: 257.271+/-0.032 χ^2/NDF:3955119.0/55

All: 258.414+/-0.023 χ^2/NDF: 7425057.9/104



Right In: 132748.760+/-0.108 χ^2/NDF: 2597777013.0/25

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

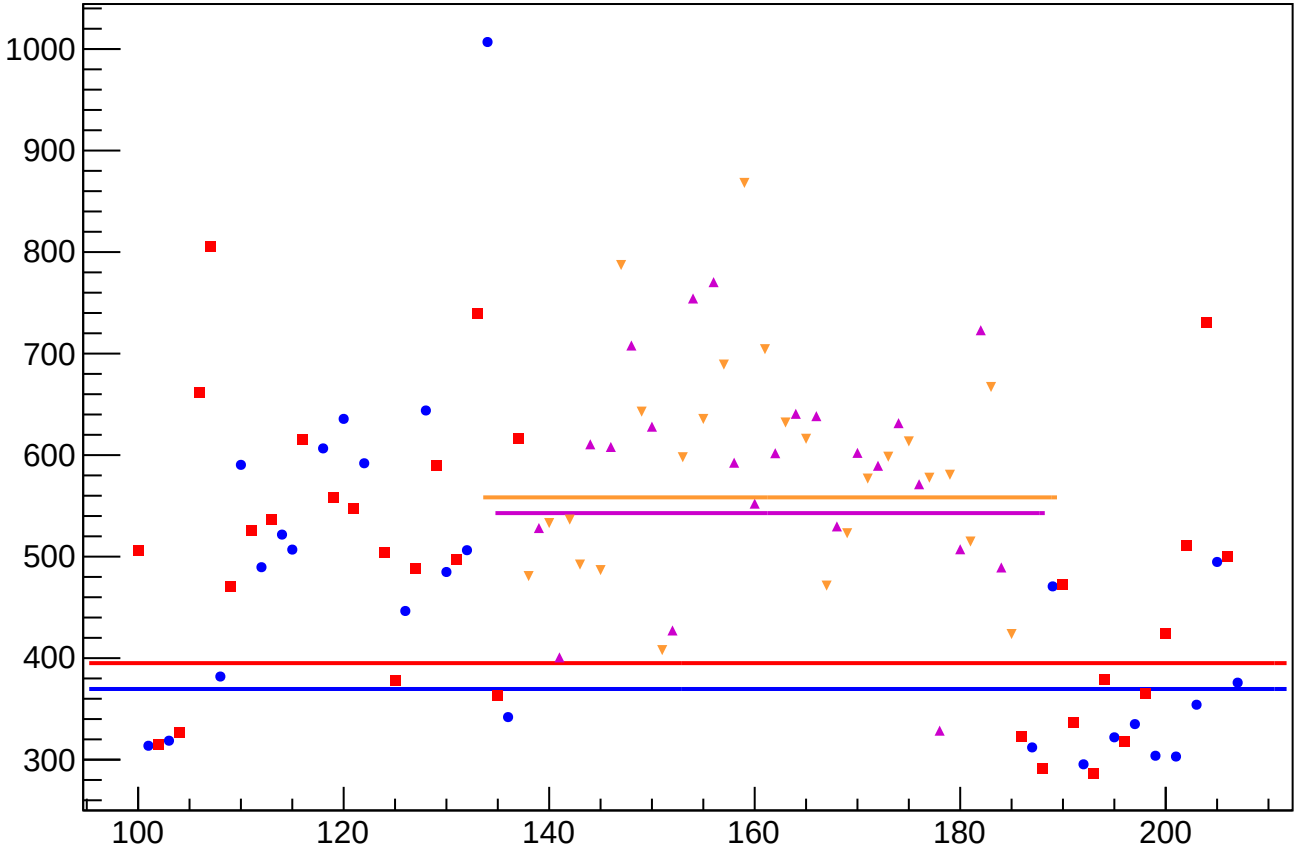
Right: 133039.964+/-0.078 χ^2/NDF: 4336605250.9/

In: 130674.239+/-0.085 χ^2/NDF:4540758998.4/48

Out: 131068.117+/-0.087 χ^2/NDF:3832282850.7/5

All: 130868.317+/-0.061 χ^2/NDF: 838355401

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 369.622+/-0.076 χ^2/NDF: 1573940.5/25

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

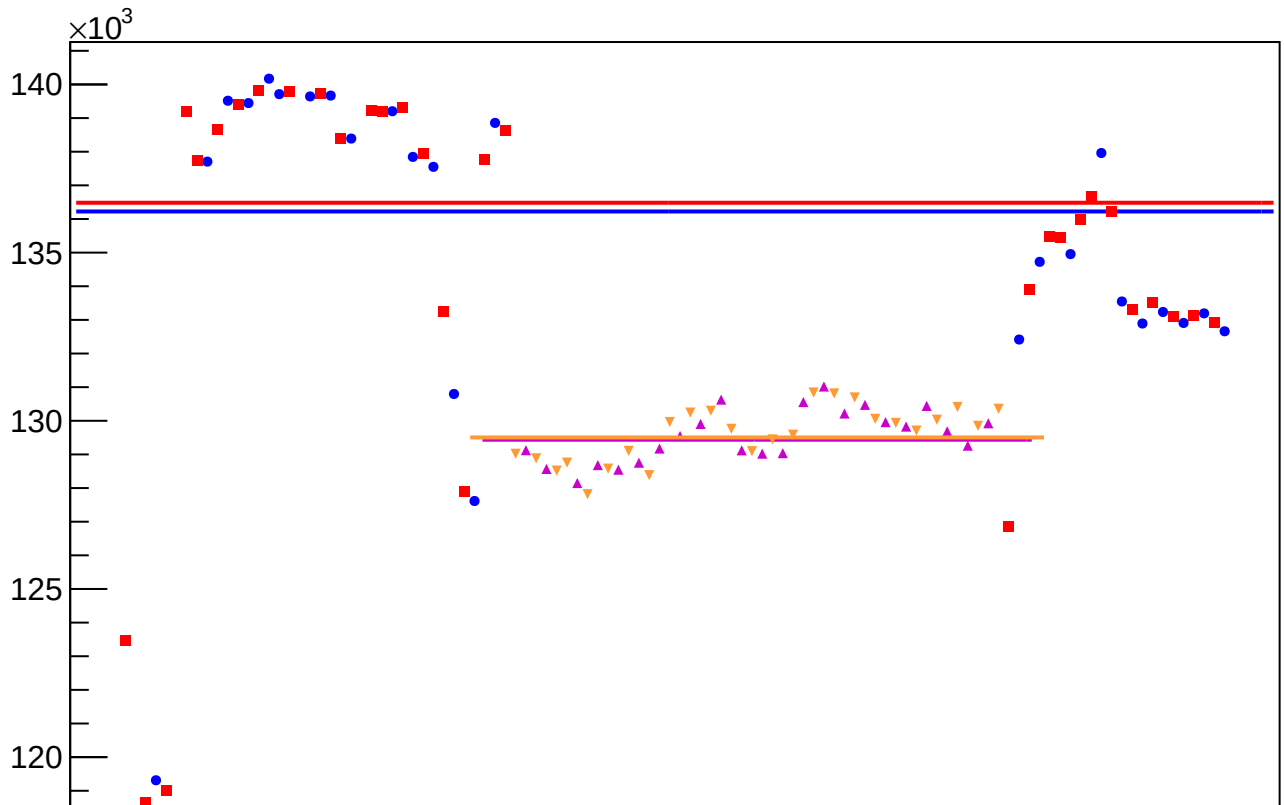
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 381.871+/-0.055 χ^2/NDF: 3584550.2/56

In: 435.205+/-0.060 χ^2/NDF:4932677.0/48

Out: 461.595+/-0.061 χ^2/NDF:4644971.4/55

All: 448.208+/-0.043 χ^2/NDF: 9672027.7/104



Right In: 136223.280+/-0.060 χ^2/NDF: 6430074262.6/25

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

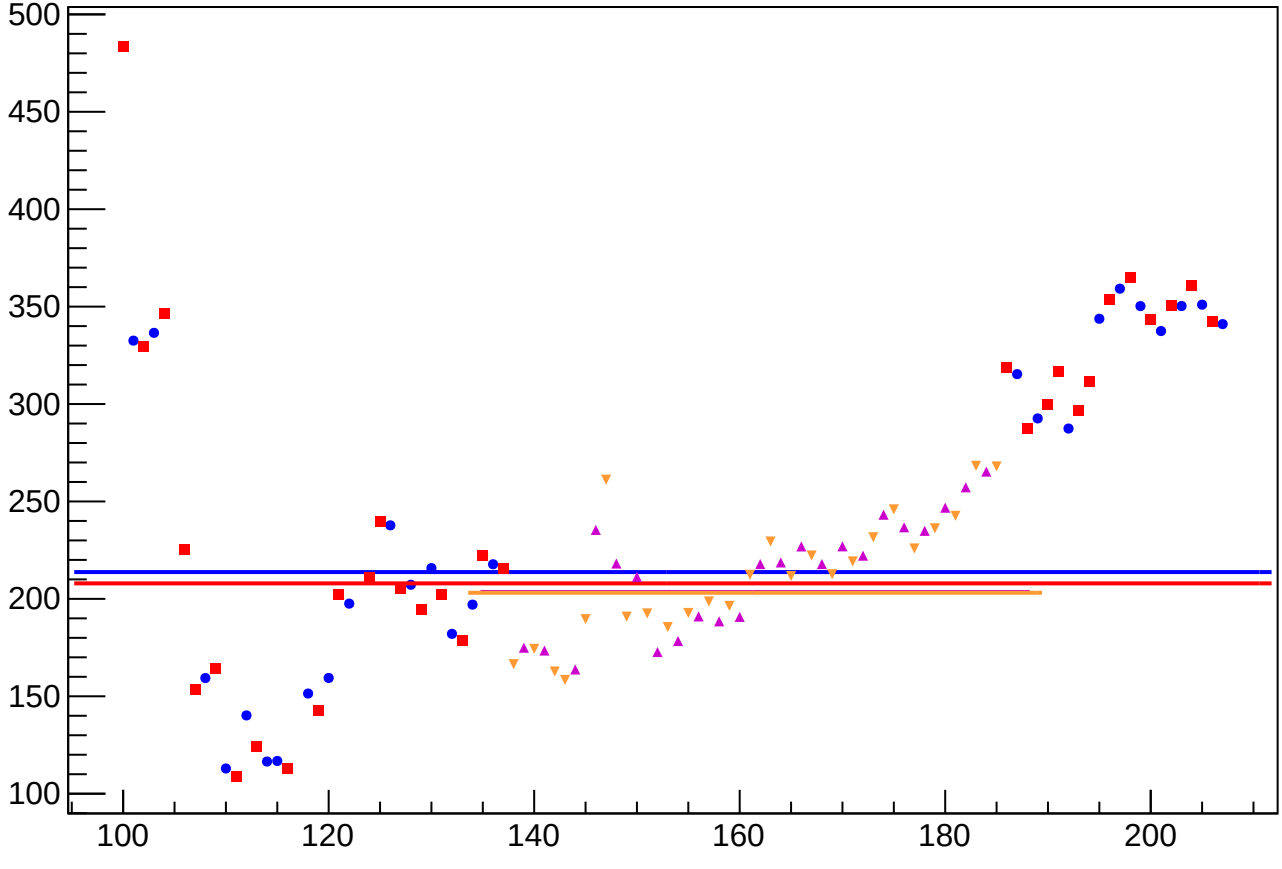
Right: 136361.806+/-0.041 χ^2/NDF: 13182346782.7

In: 132098.704+/-0.038 χ^2/NDF:14397853470.0/4

Out: 132362.972+/-0.036 χ^2/NDF:16071347878.1

All: 132236.723+/-0.026 χ^2/NDF: 30494784

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 213.752+/-0.043 χ^2/NDF: 3862028.3/25

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

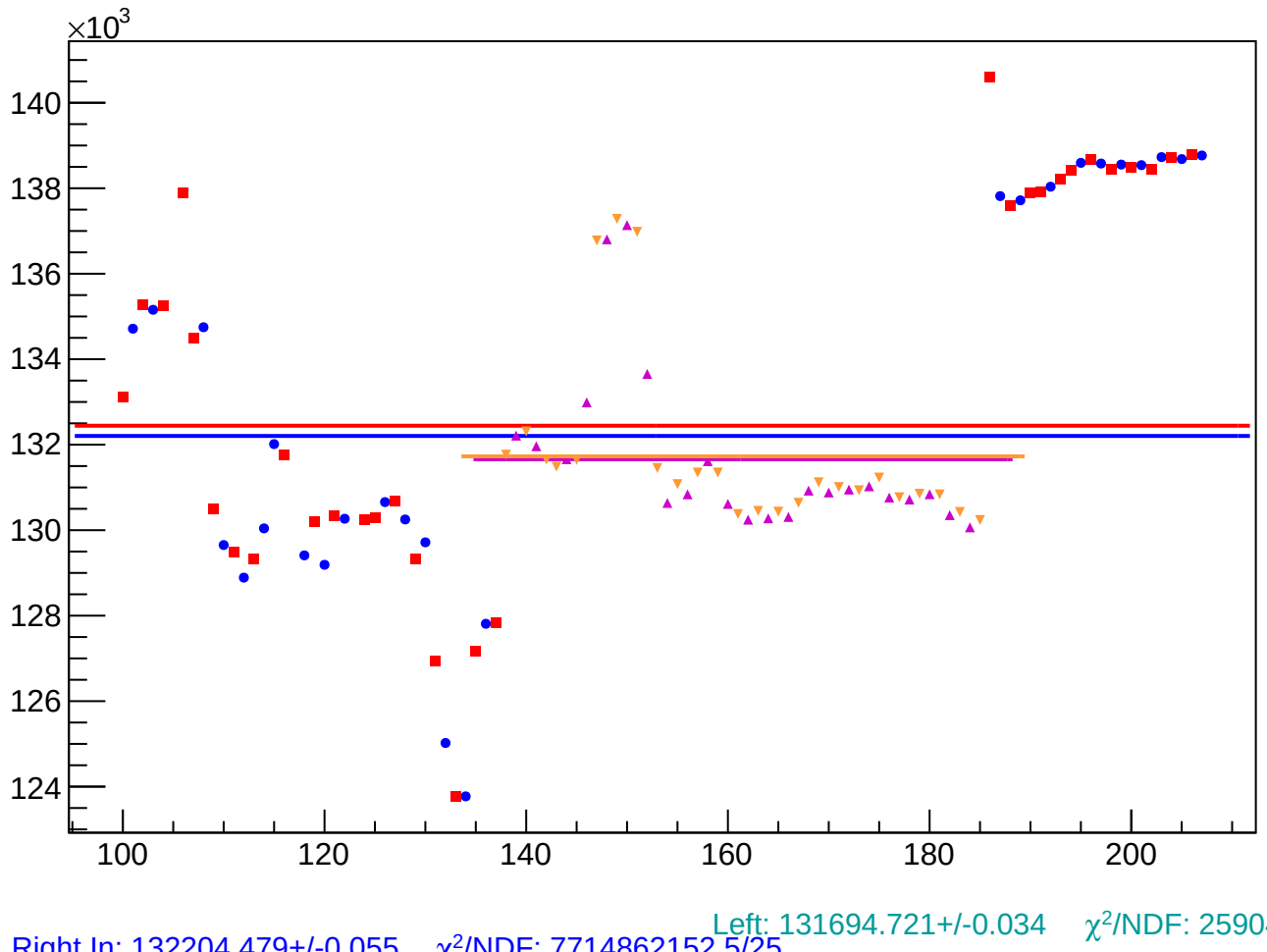
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 210.660+/-0.029 χ^2/NDF: 8593852.4/56

In: 207.549+/-0.027 χ^2/NDF:4562897.5/48

Out: 205.104+/-0.026 χ^2/NDF:5489033.4/55

All: 206.272+/-0.018 χ^2/NDF: 10056308.4/10



Right In: 132204.479+/-0.055 χ^2/NDF: 7714862152.5/25

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

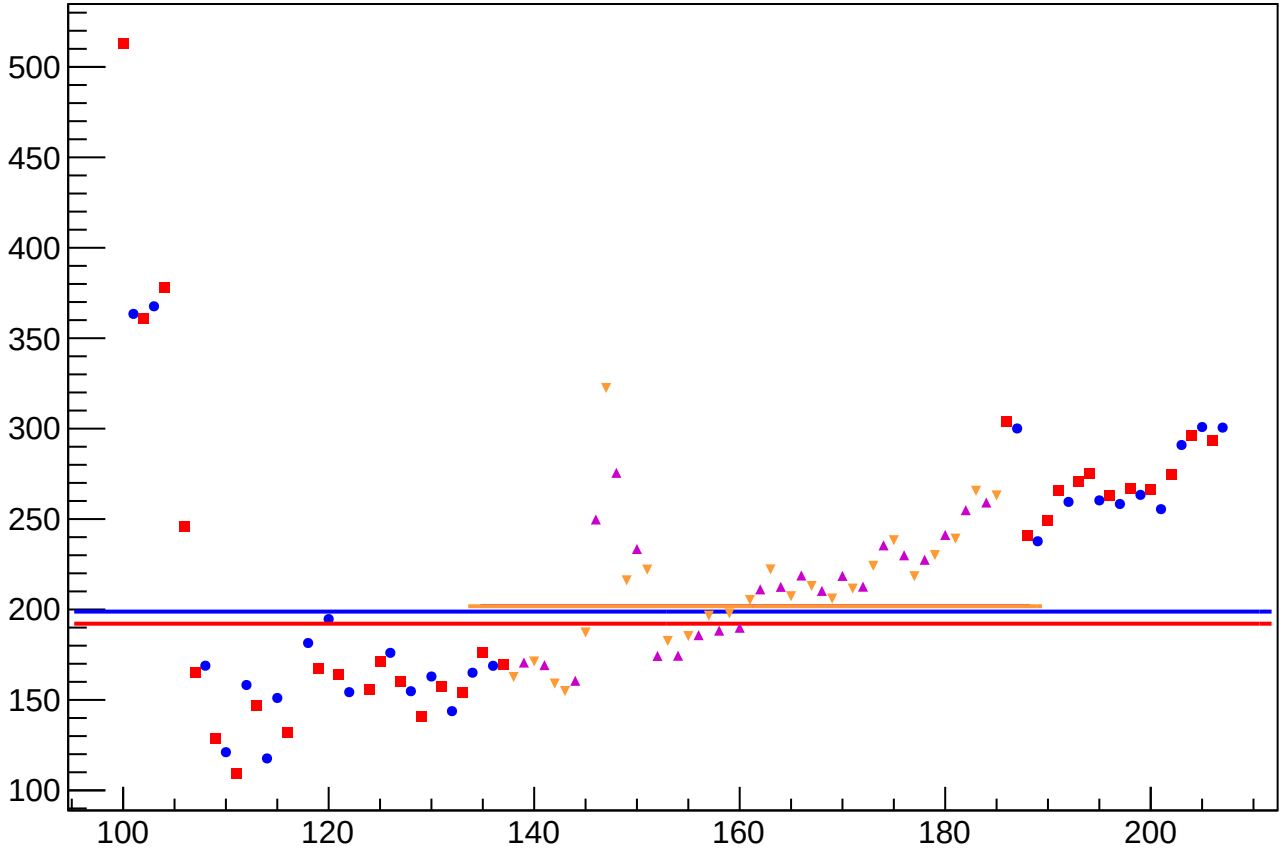
Right: 132332.751+/-0.037 χ^2/NDF: 15856021295.

In: 131898.100+/-0.036 χ^2/NDF:8934933624.3/48

Out: 132055.442+/-0.034 χ^2/NDF:9663217309.3/5

All: 131980.480+/-0.025 χ^2/NDF: 18608067

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 198.839+/-0.039 χ^2/NDF: 2545106.3/25

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

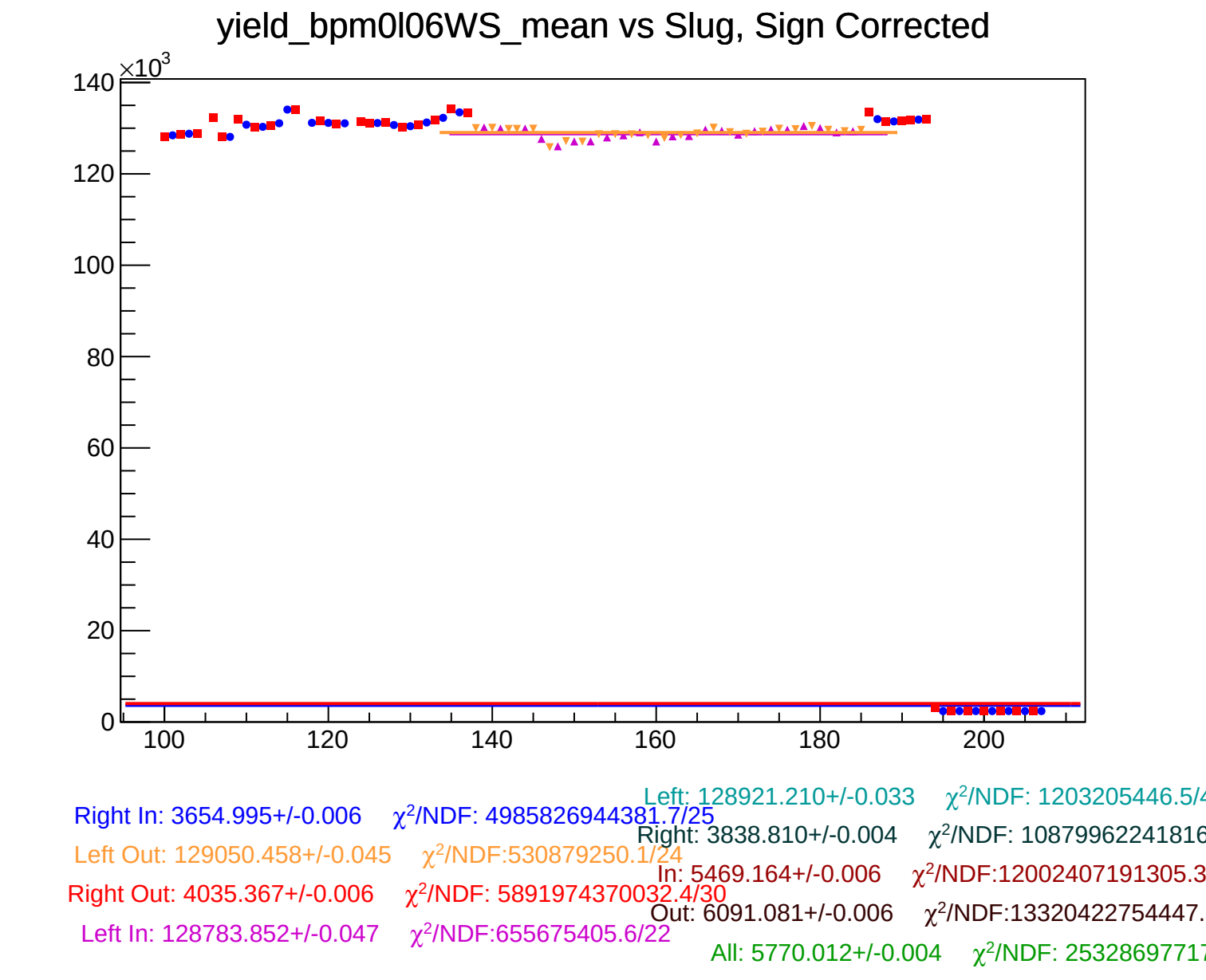
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 195.262+/-0.026 χ^2/NDF: 5962450.4/56

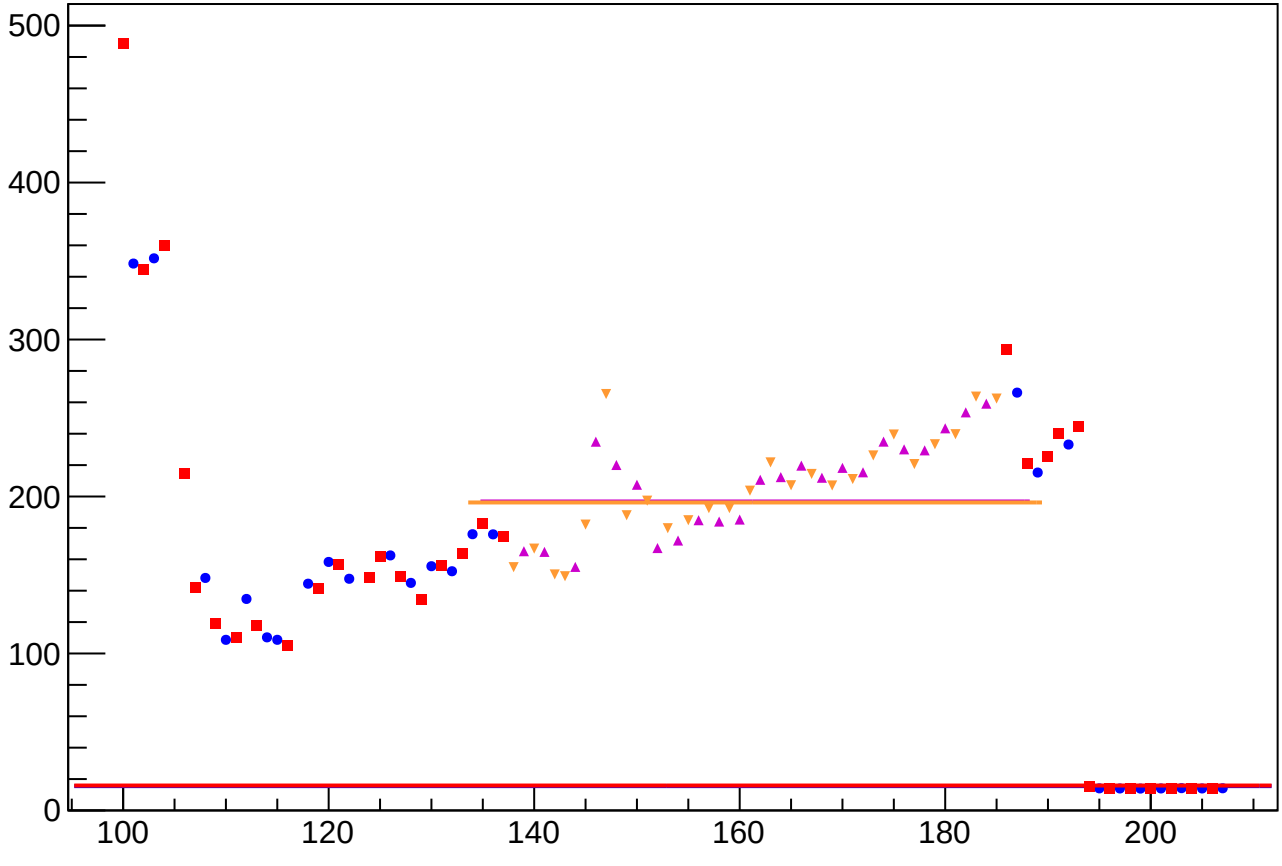
In: 200.589+/-0.026 χ^2/NDF:3351441.7/48

Out: 197.383+/-0.024 χ^2/NDF:4345513.7/55

All: 198.911+/-0.018 χ^2/NDF: 7705191.6/104


yield_bpm0l06WS_mean vs Slug, Sign Corrected
×10^3
140
120
100
80
60
40
20
0
100
120
140
160
180
200
Right In: 3654.995+/-0.006 χ²/NDF: 4985826944381.7/25
Left Out: 129050.458+/-0.045 χ²/NDF:530879250.1/24
Right Out: 4035.367+/-0.006 χ²/NDF: 5891974370032.4/30
Left In: 128783.852+/-0.047 χ²/NDF:655675405.6/22
Left: 128921.210+/-0.033 χ²/NDF: 1203205446.5/4
Right: 3838.810+/-0.004 χ²/NDF: 1087996224181
In: 5469.164+/-0.006 χ²/NDF:12002407191305.3
Out: 6091.081+/-0.006 χ²/NDF:13320422754447.
All: 5770.012+/-0.004 χ²/NDF: 2532869771

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.498+/-0.004 χ^2/NDF: 14405098.1/25

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

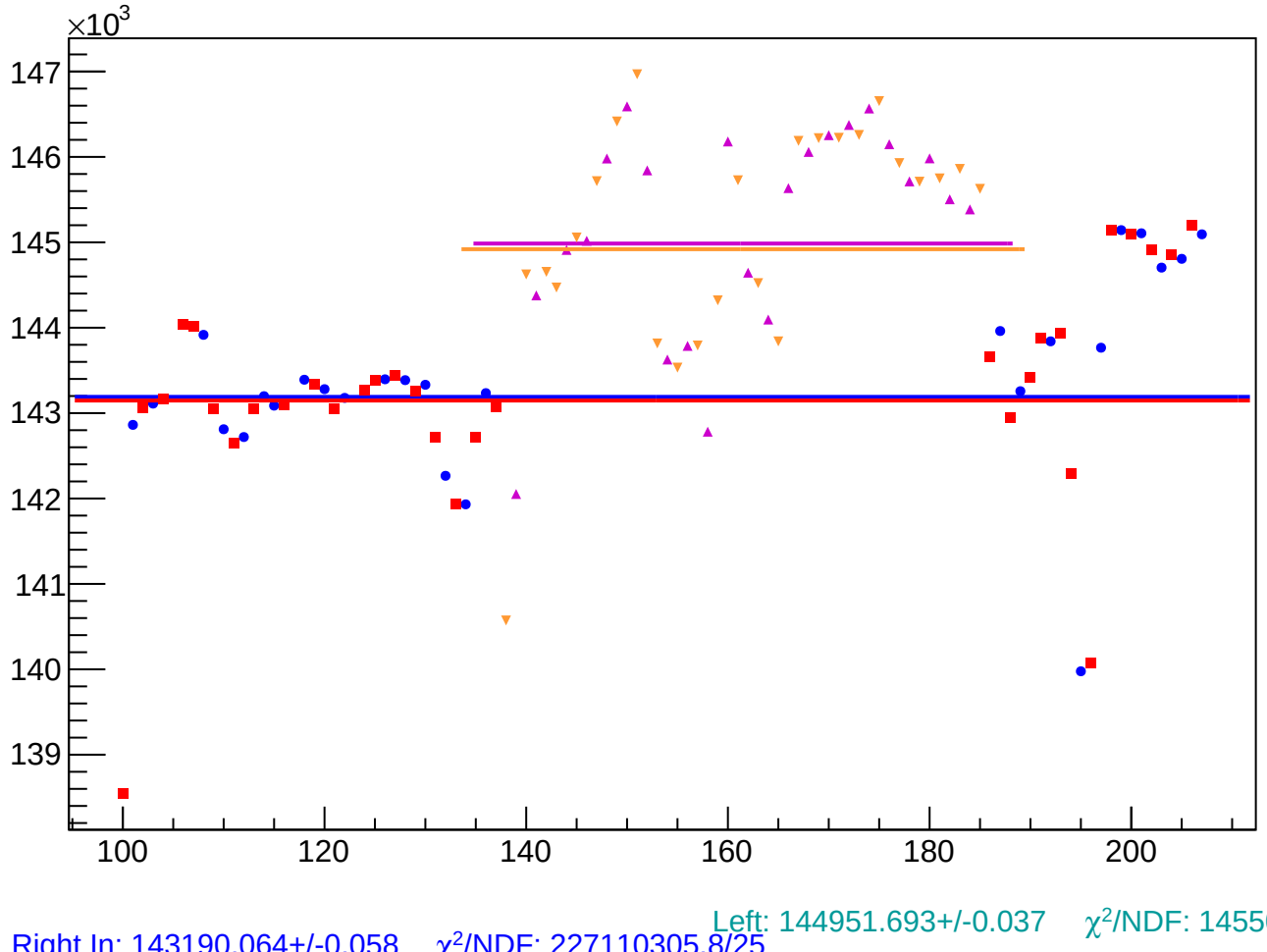
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.682+/-0.003 χ^2/NDF: 30895037.5/56

In: 18.128+/-0.004 χ^2/NDF:44649150.8/48

Out: 18.844+/-0.004 χ^2/NDF:48317029.5/55

All: 18.474+/-0.003 χ^2/NDF: 92981761.0/104



Right In: 143190.064+/-0.058 χ^2/NDF: 227110305.8/25

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

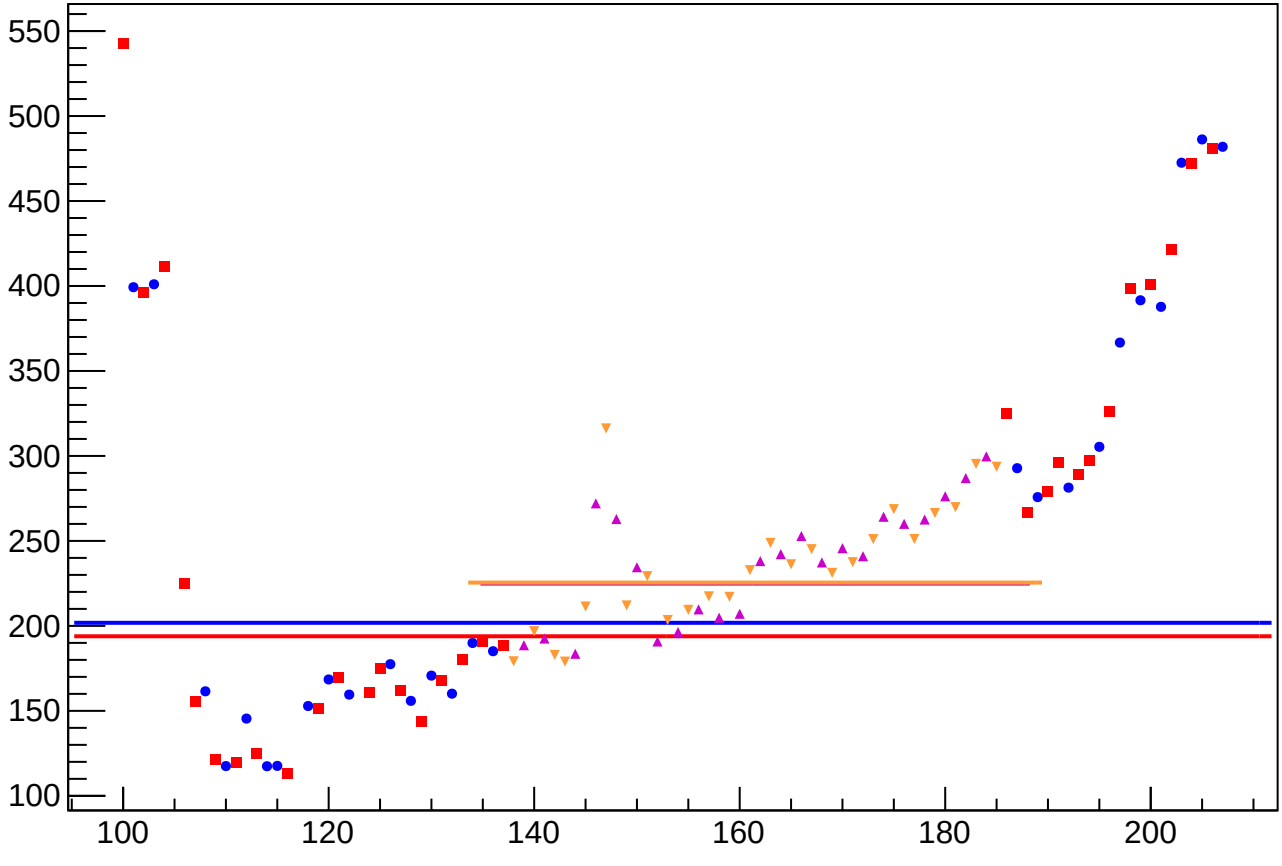
Right: 143167.069+/-0.039 χ^2/NDF: 454256262.4/5

In: 144161.985+/-0.039 χ^2/NDF:1361108149.4/48

Out: 144058.161+/-0.037 χ^2/NDF:1621805473.2/5

All: 144107.409+/-0.027 χ^2/NDF: 29865062

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.820+/-0.041 χ^2/NDF: 5134223.4/25

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

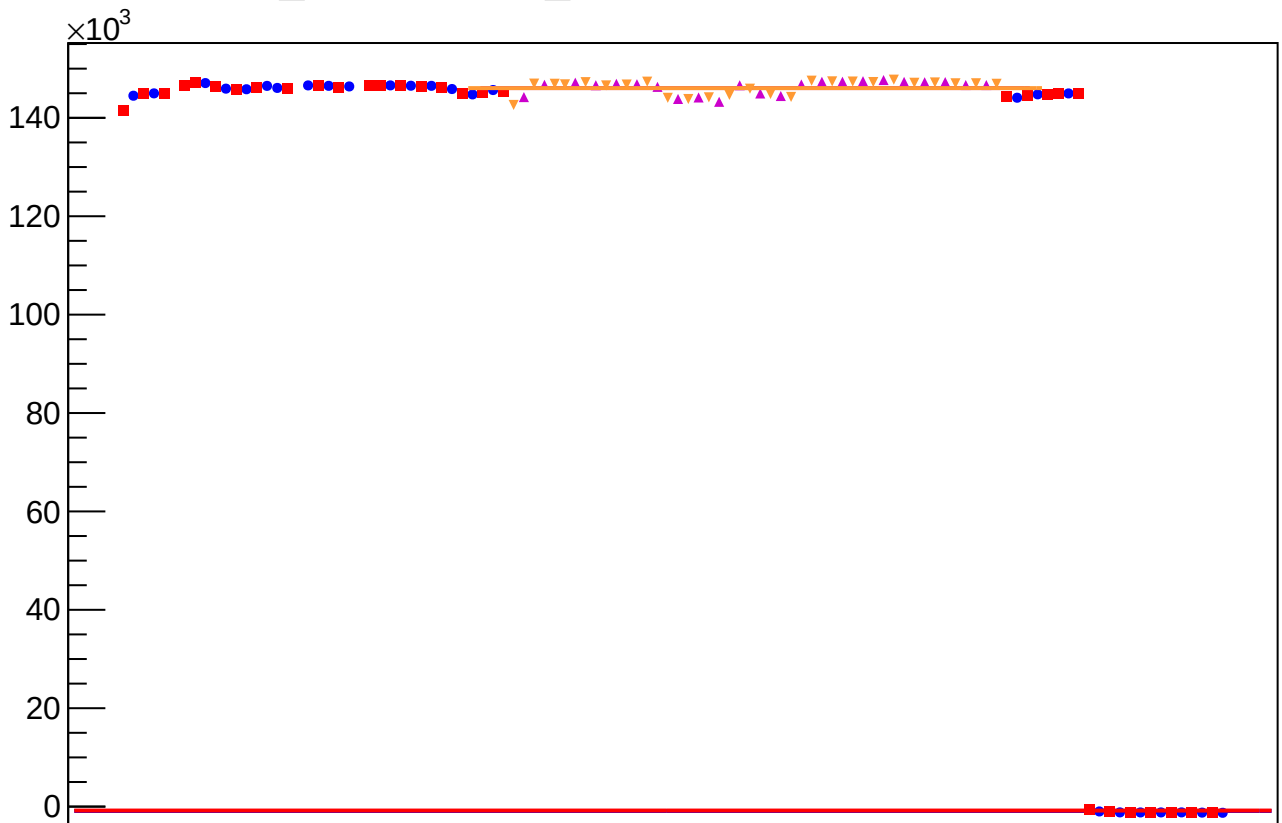
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 197.534+/-0.028 χ^2/NDF: 11131782.2/56

In: 214.296+/-0.028 χ^2/NDF:6027836.2/48

Out: 210.122+/-0.026 χ^2/NDF:7108541.2/55

All: 212.102+/-0.019 χ^2/NDF: 13148169.6/10



Right In: -889.249+/-0.003 χ^2/NDF: 5373250423441.2/25

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

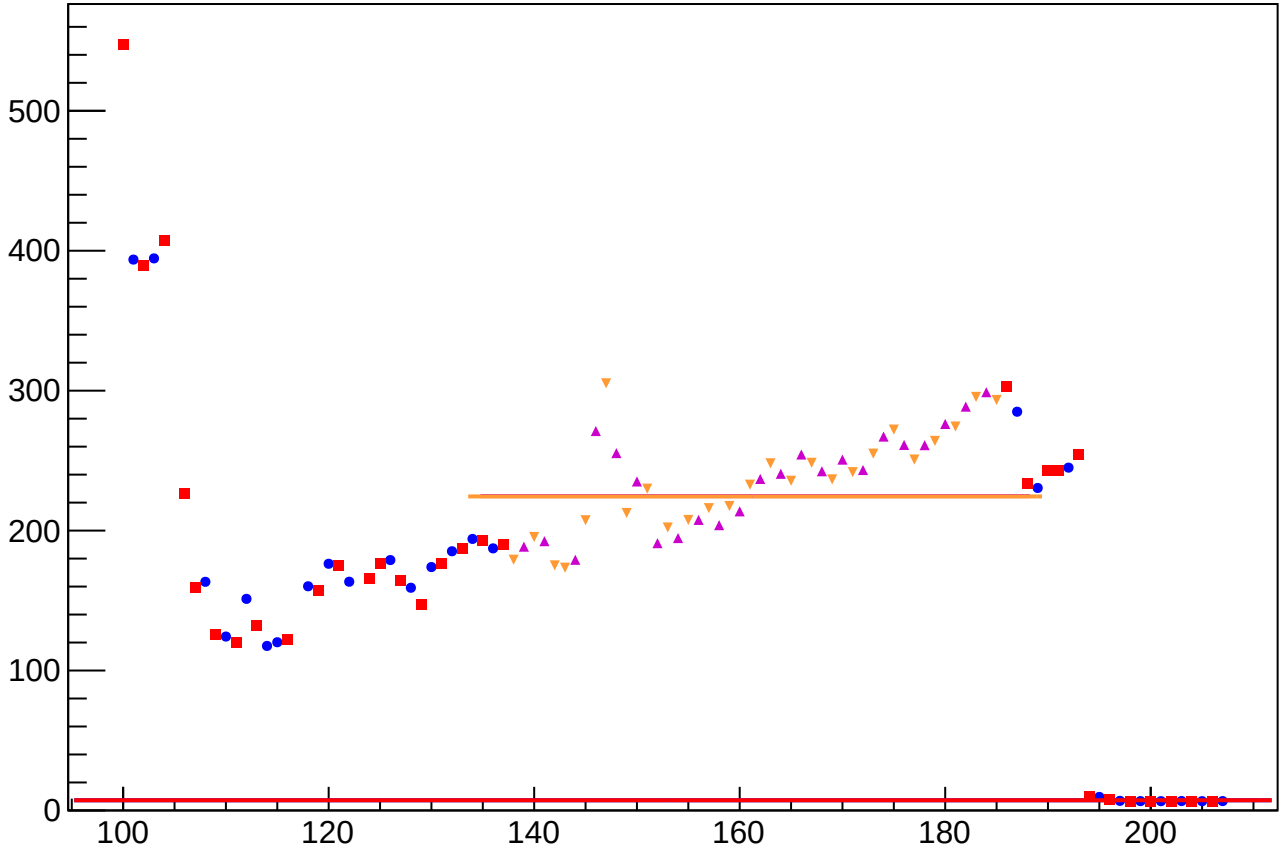
Right: -848.216+/-0.002 χ^2/NDF: 11835316737430

In: -478.424+/-0.003 χ^2/NDF:12879627094637.3/

Out: -347.072+/-0.003 χ^2/NDF:14409546354707.4

All: -414.406+/-0.002 χ^2/NDF: 2729022186

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.268+/-0.002 χ^2/NDF: 16107391.0/25

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

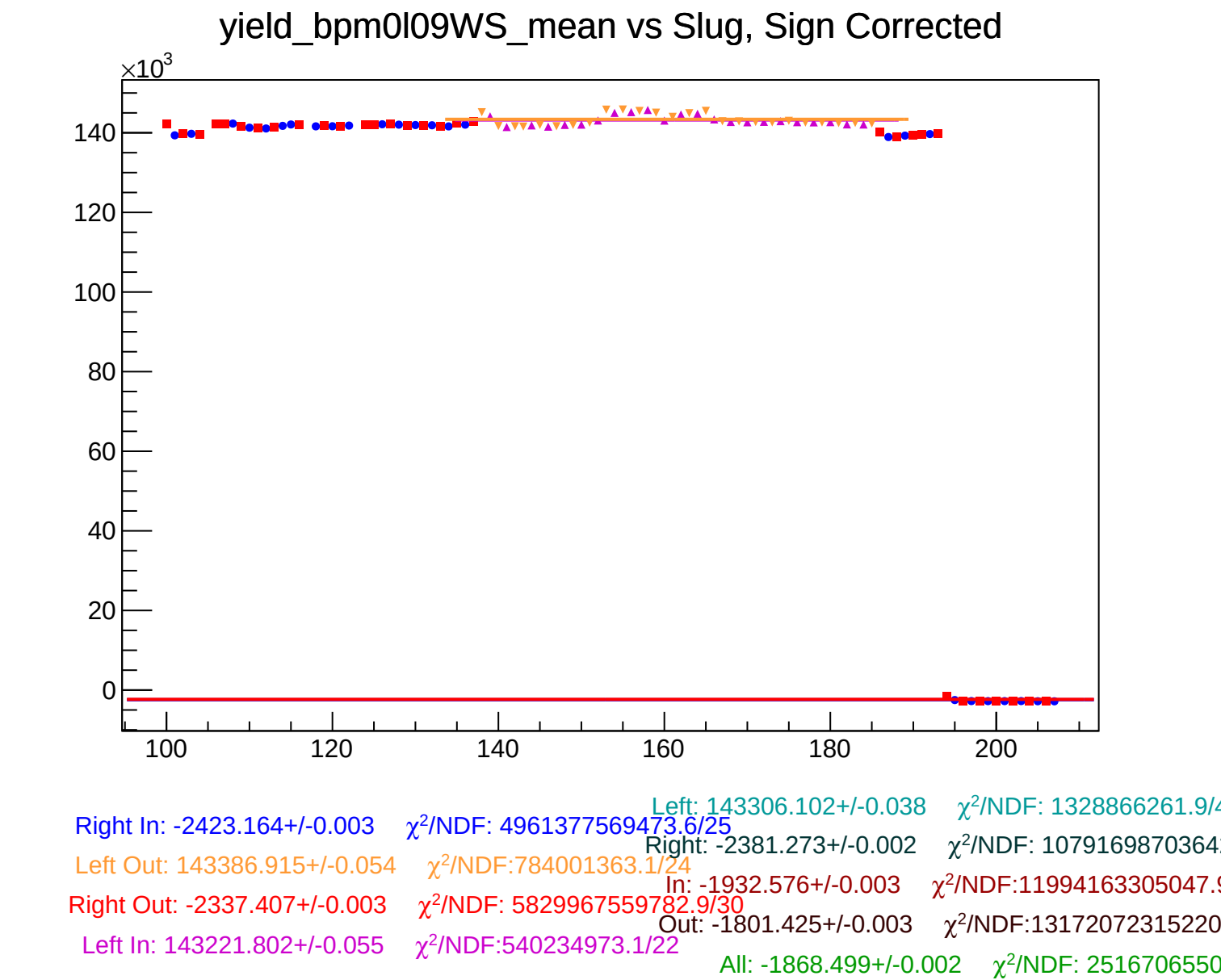
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.283+/-0.001 χ^2/NDF: 34527057.1/56

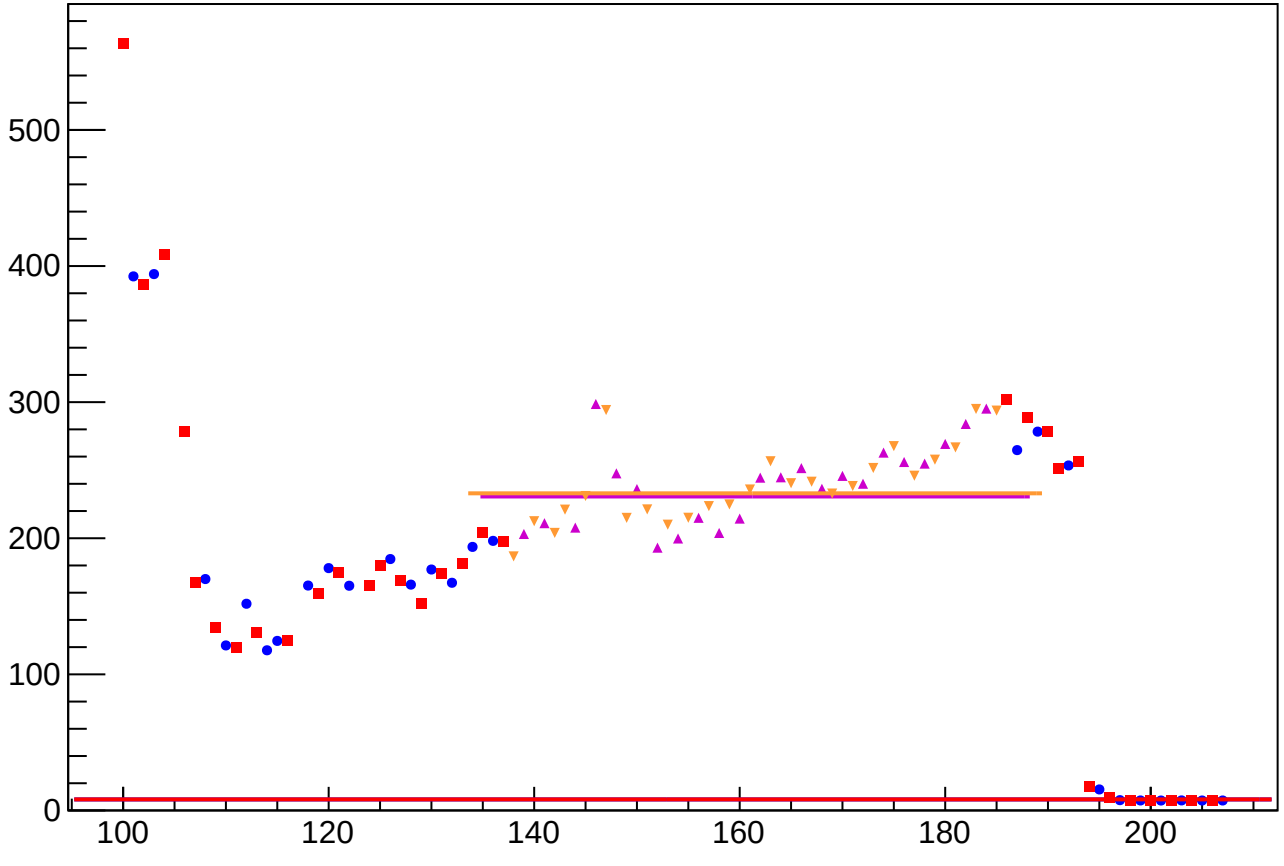
In: 7.876+/-0.002 χ^2/NDF:49716877.8/48

Out: 7.975+/-0.002 χ^2/NDF:54011623.0/55

All: 7.924+/-0.001 χ^2/NDF: 103729681.7/104


yield_bpm0l09WS_mean vs Slug, Sign Corrected
×10^3
140
120
100
80
60
40
20
0
100
120
140
160
180
200
Right In: -2423.164+/-0.003 χ²/NDF: 4961377569473.6/25
Left Out: 143386.915+/-0.054 χ²/NDF:784001363.1/24
Right Out: -2337.407+/-0.003 χ²/NDF: 5829967559782.9/30
Left In: 143221.802+/-0.055 χ²/NDF:540234973.1/22
Left: 143306.102+/-0.038 χ²/NDF: 1328866261.9/4
Right: -2381.273+/-0.002 χ²/NDF: 1079169870364
In: -1932.576+/-0.003 χ²/NDF:11994163305047.9
Out: -1801.425+/-0.003 χ²/NDF:13172072315220
All: -1868.499+/-0.002 χ²/NDF: 2516706550

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.090+/-0.002 χ^2/NDF: 16268914.6/25

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

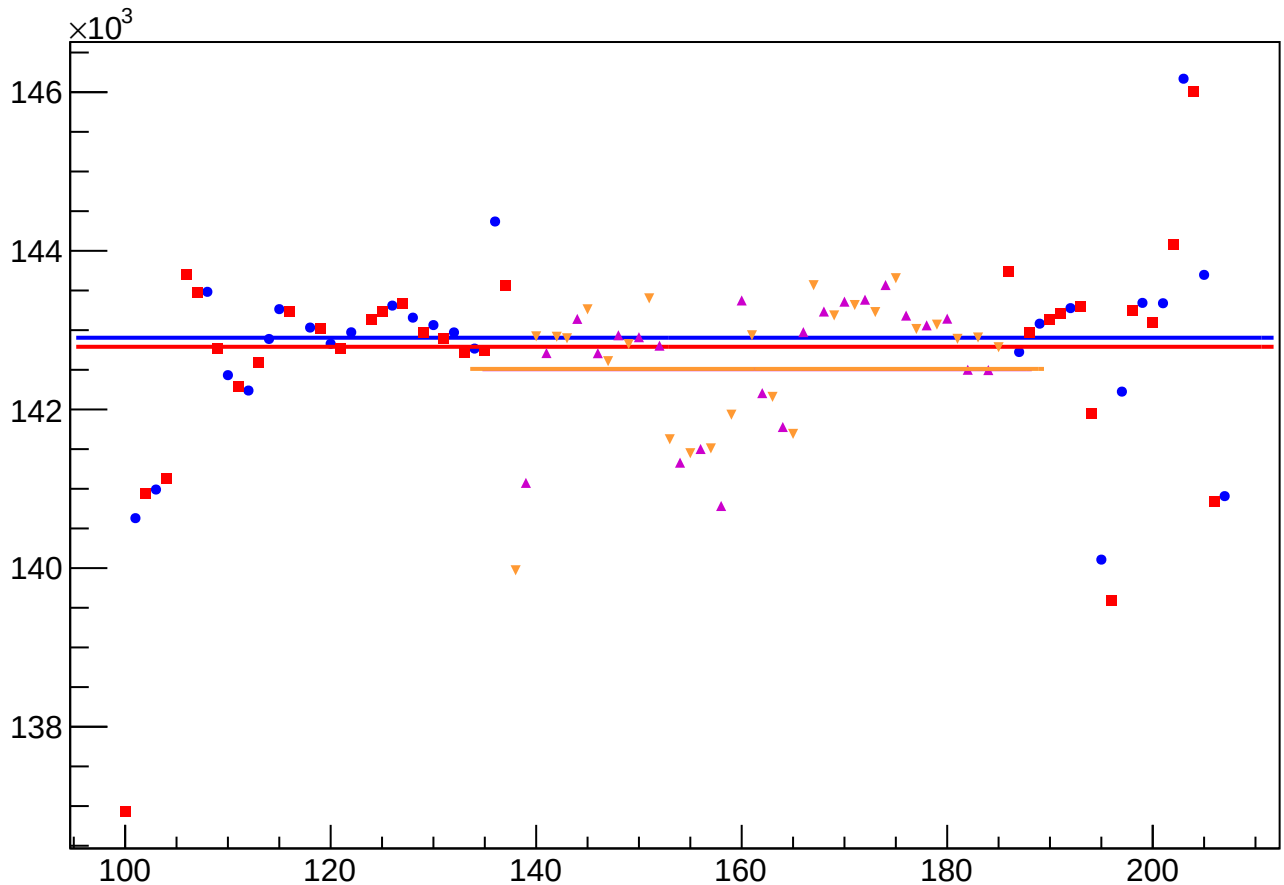
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.108+/-0.002 χ^2/NDF: 34730337.8/56

In: 8.840+/-0.002 χ^2/NDF:49635285.8/48

Out: 8.953+/-0.002 χ^2/NDF:53873473.0/55

All: 8.895+/-0.002 χ^2/NDF: 103509980.6/104



Right In: 142904.401+/-0.061 χ^2/NDF: 252891390.8/25

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

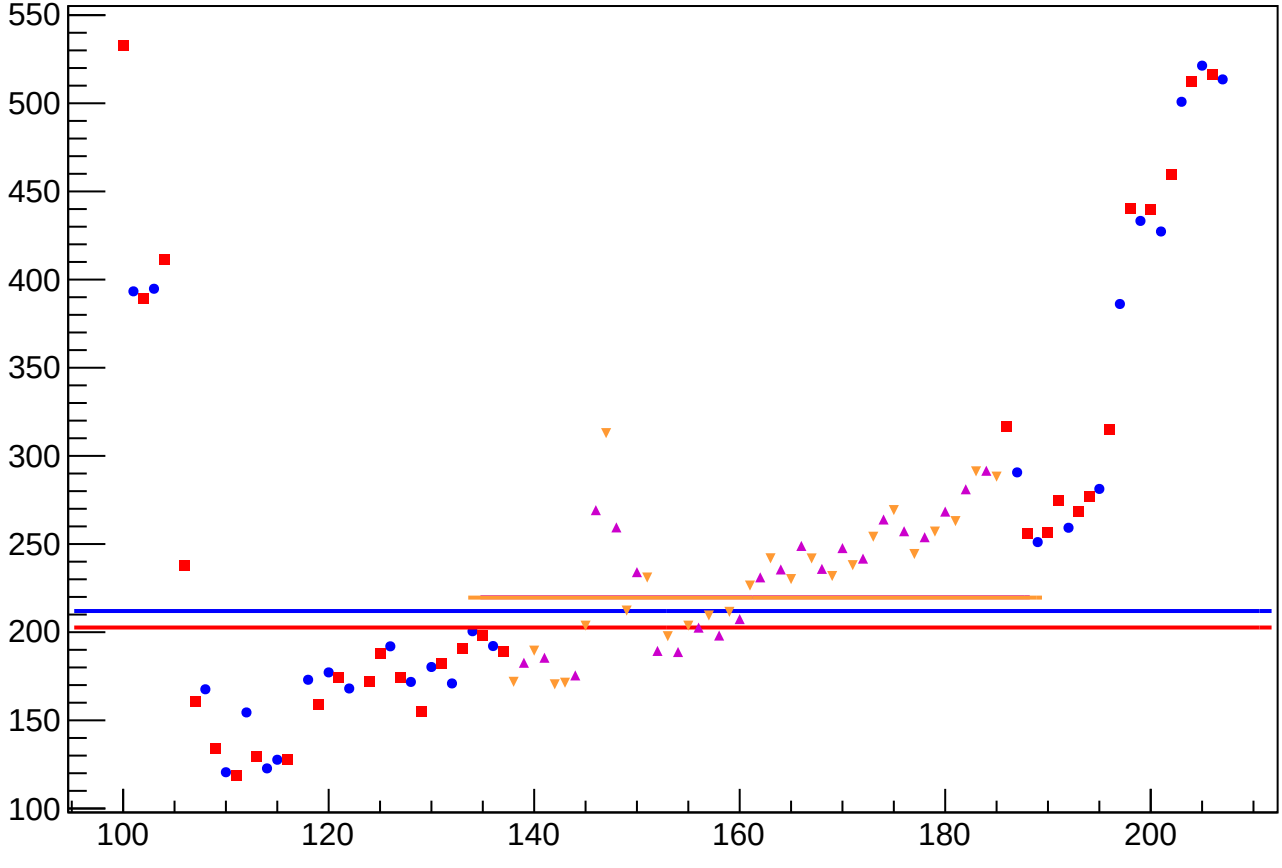
Right: 142842.350+/-0.041 χ^2/NDF: 470562093.9/5

In: 142676.416+/-0.040 χ^2/NDF:546566594.3/48

Out: 142637.982+/-0.038 χ^2/NDF:567472054.8/55

All: 142656.152+/-0.027 χ^2/NDF: 11145323

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 212.007+/-0.043 χ^2/NDF: 4852063.7/25

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

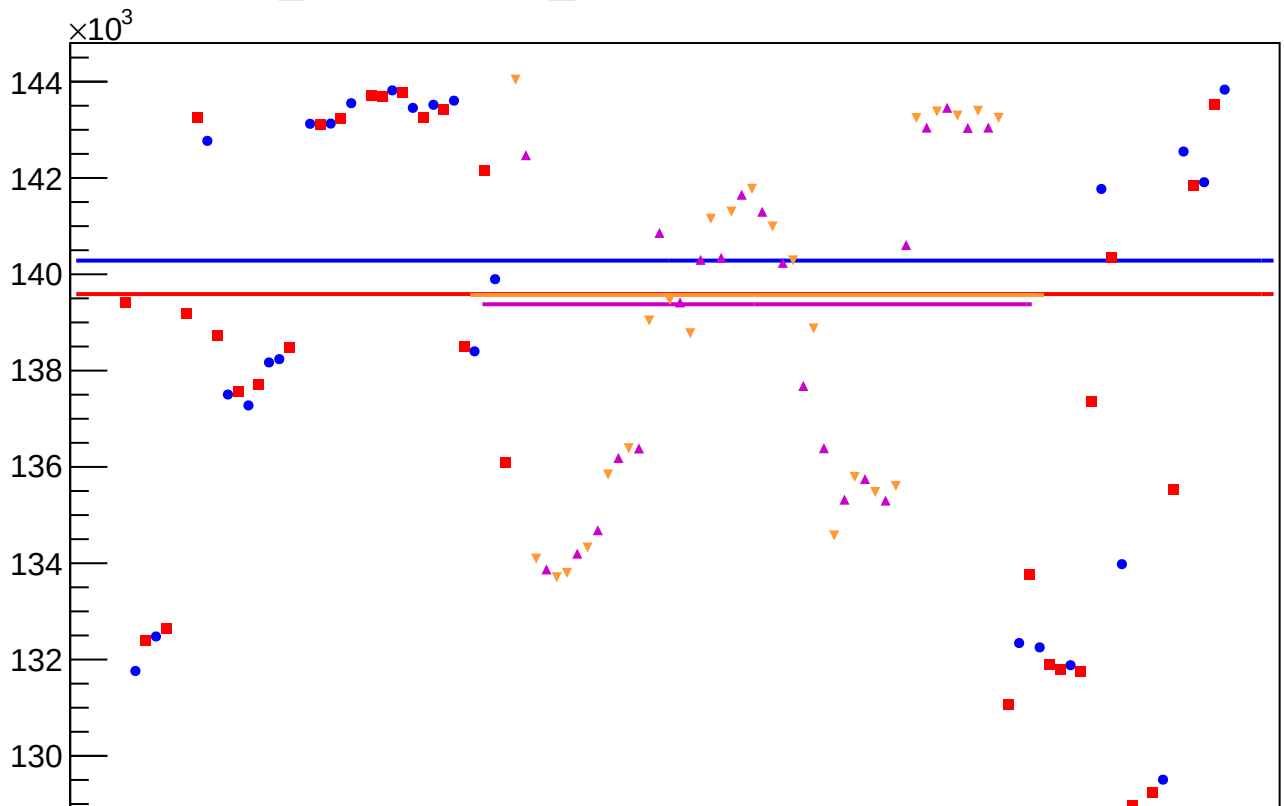
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 206.925+/-0.029 χ^2/NDF: 10495404.7/56

In: 216.492+/-0.028 χ^2/NDF:5676451.7/48

Out: 211.916+/-0.027 χ^2/NDF:6620587.7/55

All: 214.079+/-0.019 χ^2/NDF: 12311036.3/10



Right In: 140284.445+/-0.086 χ^2/NDF: 2605848712.3/25

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

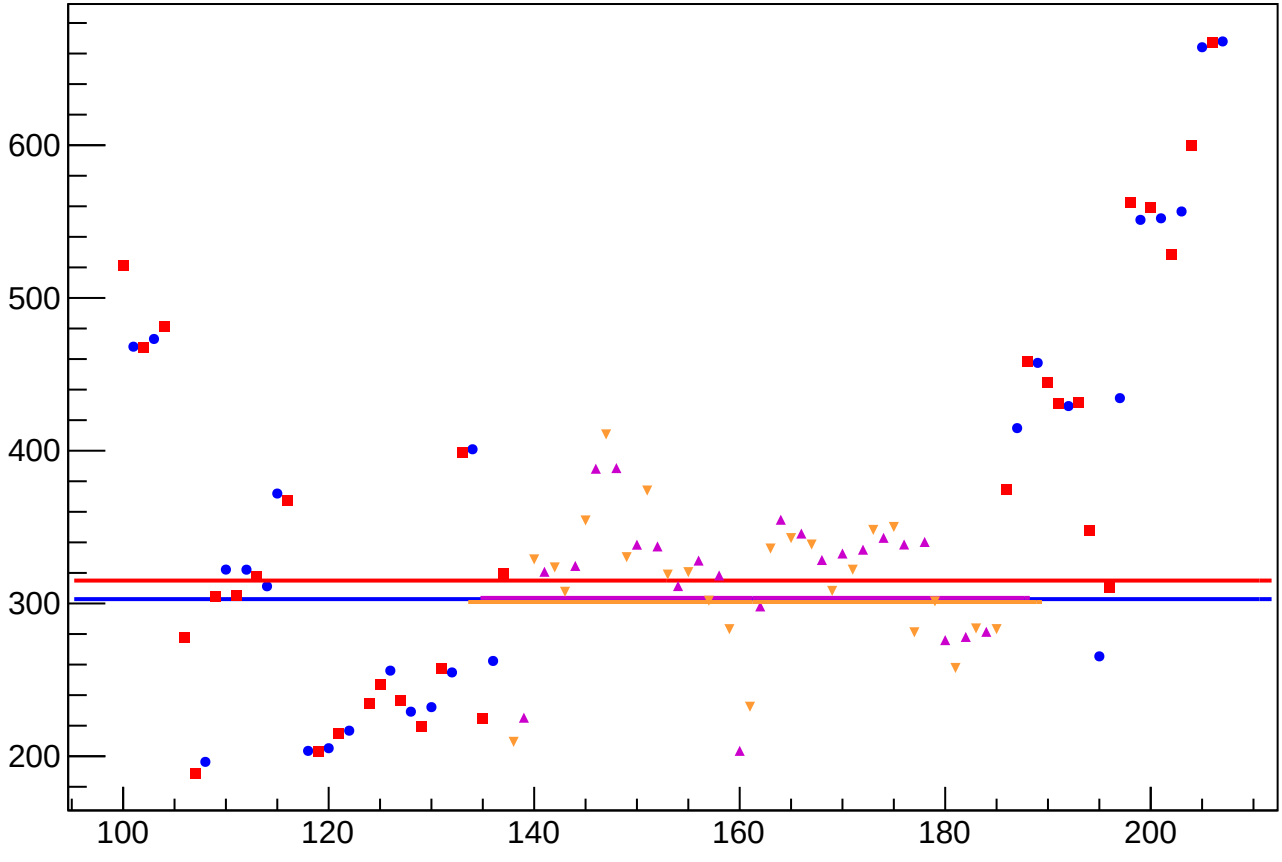
Right: 139930.583+/-0.060 χ^2/NDF: 5402281095.8/

In: 139757.456+/-0.056 χ^2/NDF:4592013966.4/48

Out: 139577.027+/-0.054 χ^2/NDF:5349776091.3/5

All: 139664.414+/-0.039 χ^2/NDF: 994721821

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 302.848+/-0.061 χ^2/NDF: 3953708.5/25

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

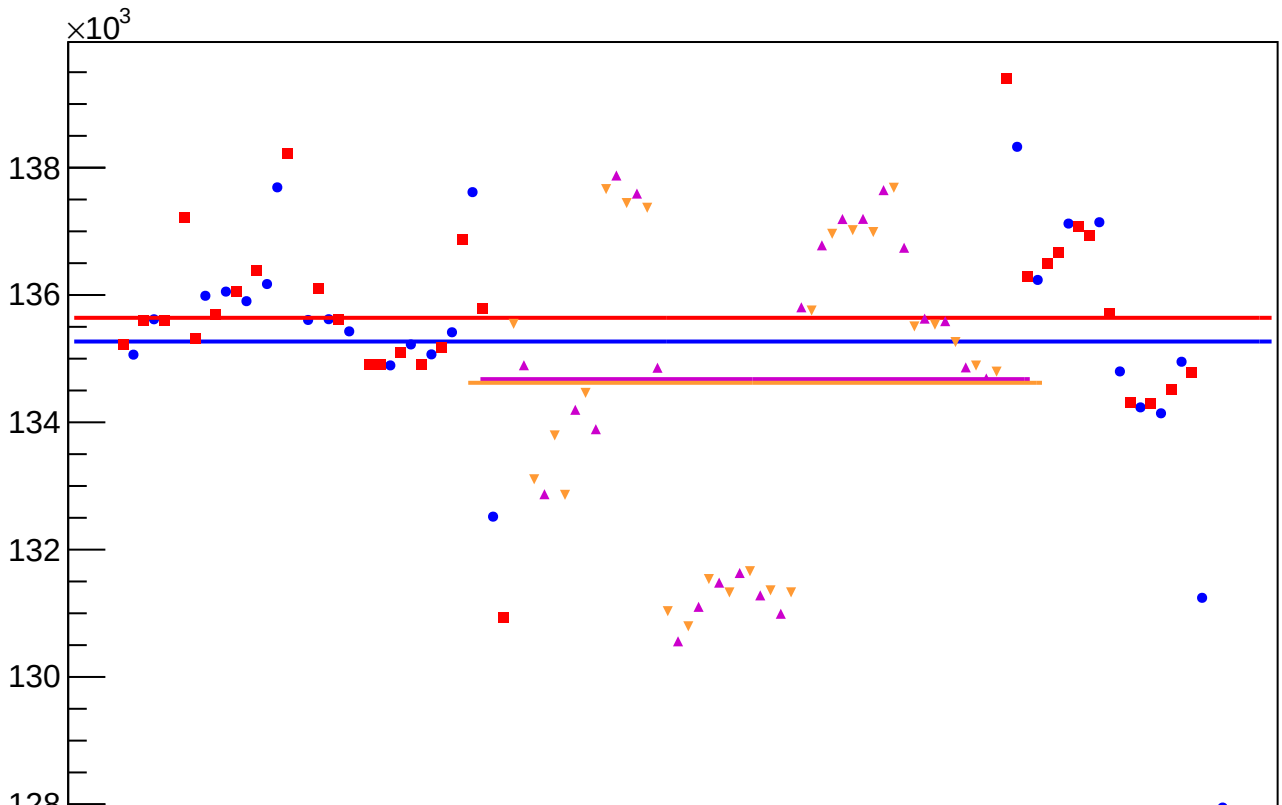
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 309.031+/-0.043 χ^2/NDF: 7868910.6/56

In: 303.319+/-0.039 χ^2/NDF:4930064.9/48

Out: 306.685+/-0.038 χ^2/NDF:4804487.5/55

All: 305.055+/-0.027 χ^2/NDF: 9738331.2/104



Right In: 135269.181+/-0.081 χ^2/NDF: 493093113.2/25

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

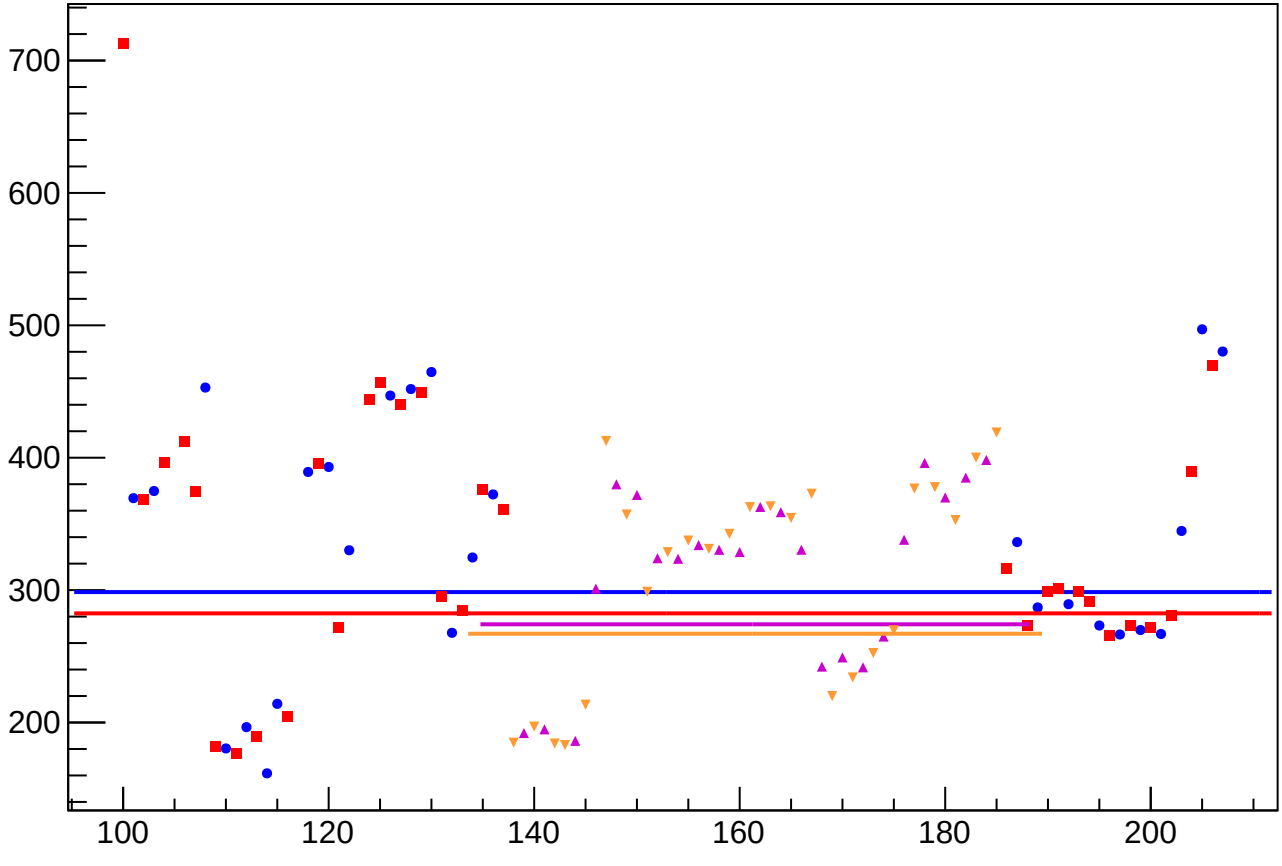
Right: 135474.217+/-0.054 χ^2/NDF: 1043913113.5/

In: 134917.780+/-0.052 χ^2/NDF:1620972111.4/48

Out: 135060.752+/-0.048 χ^2/NDF:1851183189.4/5

All: 134994.302+/-0.035 χ^2/NDF: 34762647

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 298.516+/-0.057 χ^2/NDF: 2092050.6/25

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

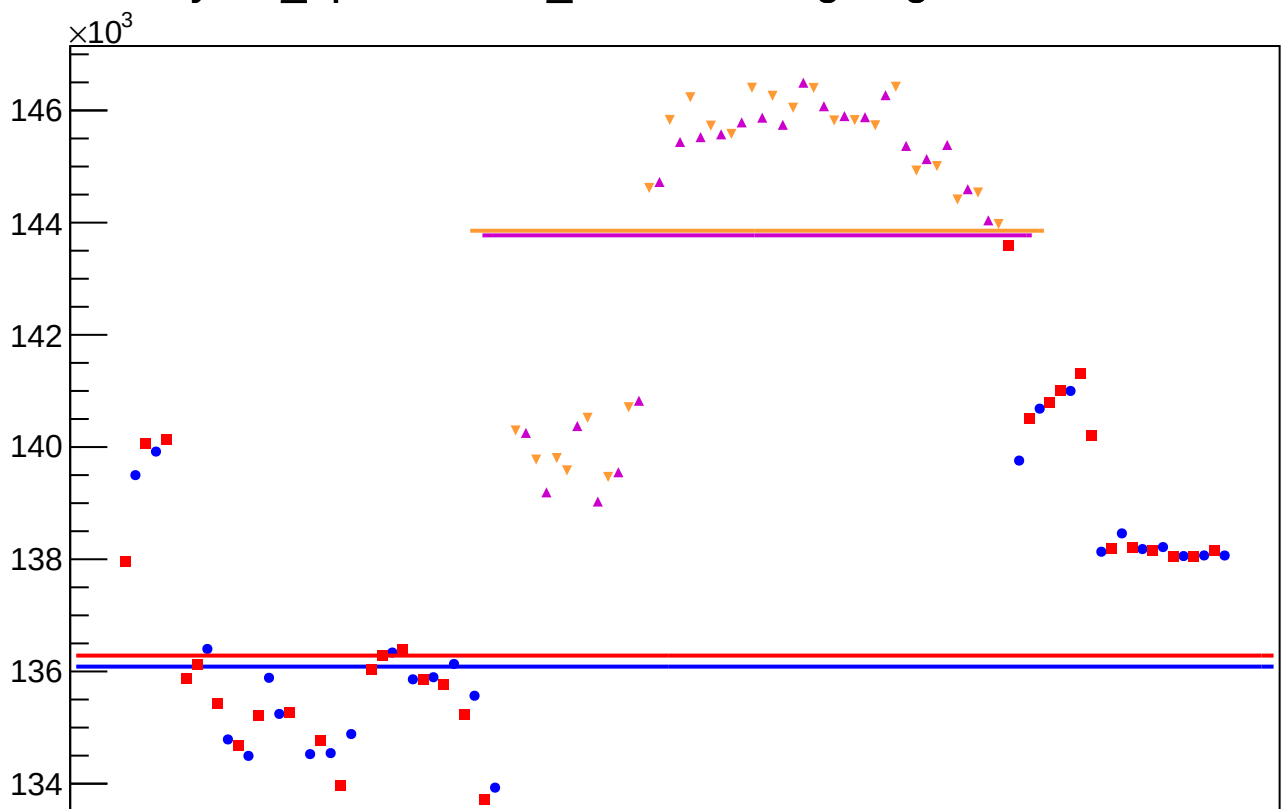
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 289.662+/-0.038 χ^2/NDF: 4336228.5/56

In: 284.037+/-0.036 χ^2/NDF:4436051.2/48

Out: 273.680+/-0.034 χ^2/NDF:5094322.3/55

All: 278.493+/-0.025 χ^2/NDF: 9573501.9/104



Right In: 136086.604+/-0.048 χ^2/NDF: 1506669929.0/25

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

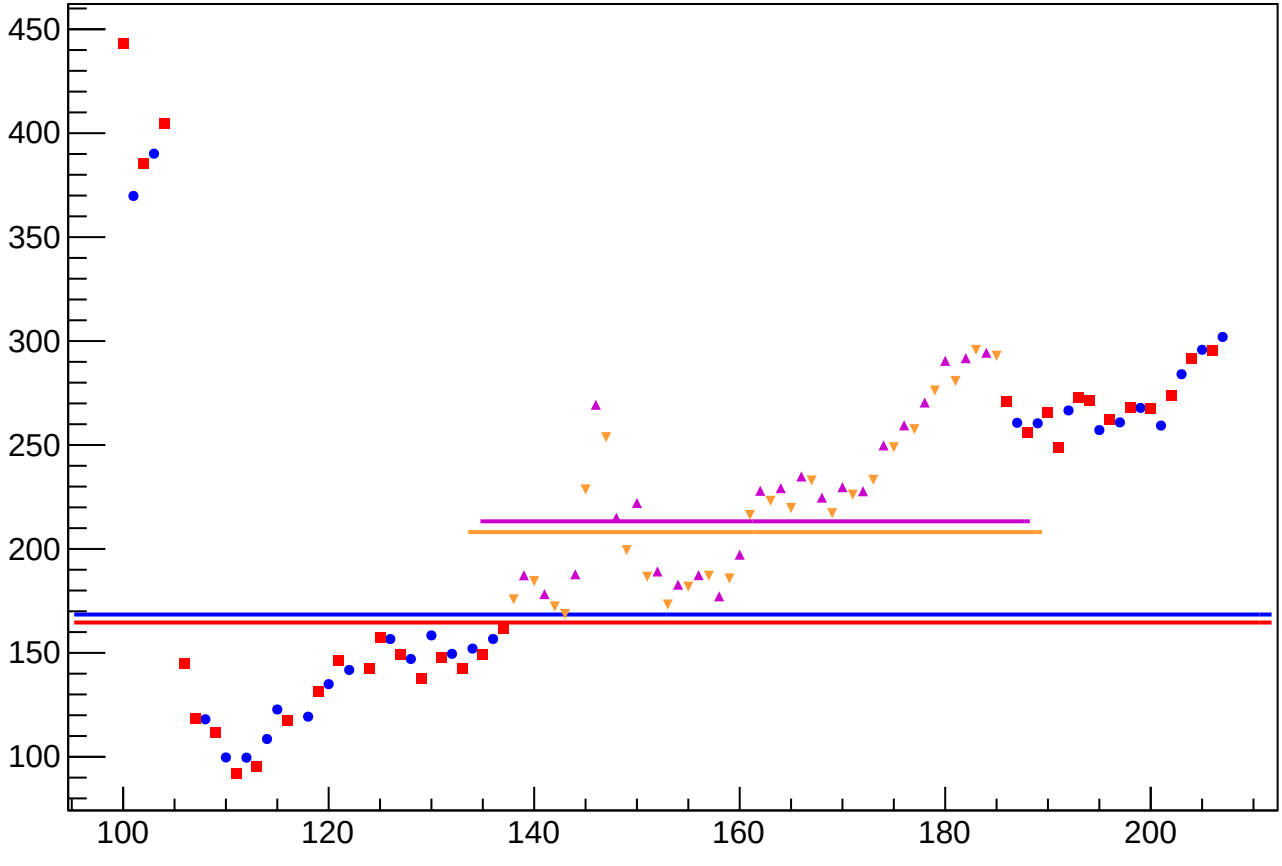
Right: 136190.830+/-0.033 χ^2/NDF: 3692996156.4/

In: 139683.971+/-0.035 χ^2/NDF:16432039416.9/4

Out: 139799.501+/-0.033 χ^2/NDF:18455884907.8

All: 139744.972+/-0.024 χ^2/NDF: 34893718

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 168.455+/-0.034 χ^2/NDF: 4333662.3/25

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

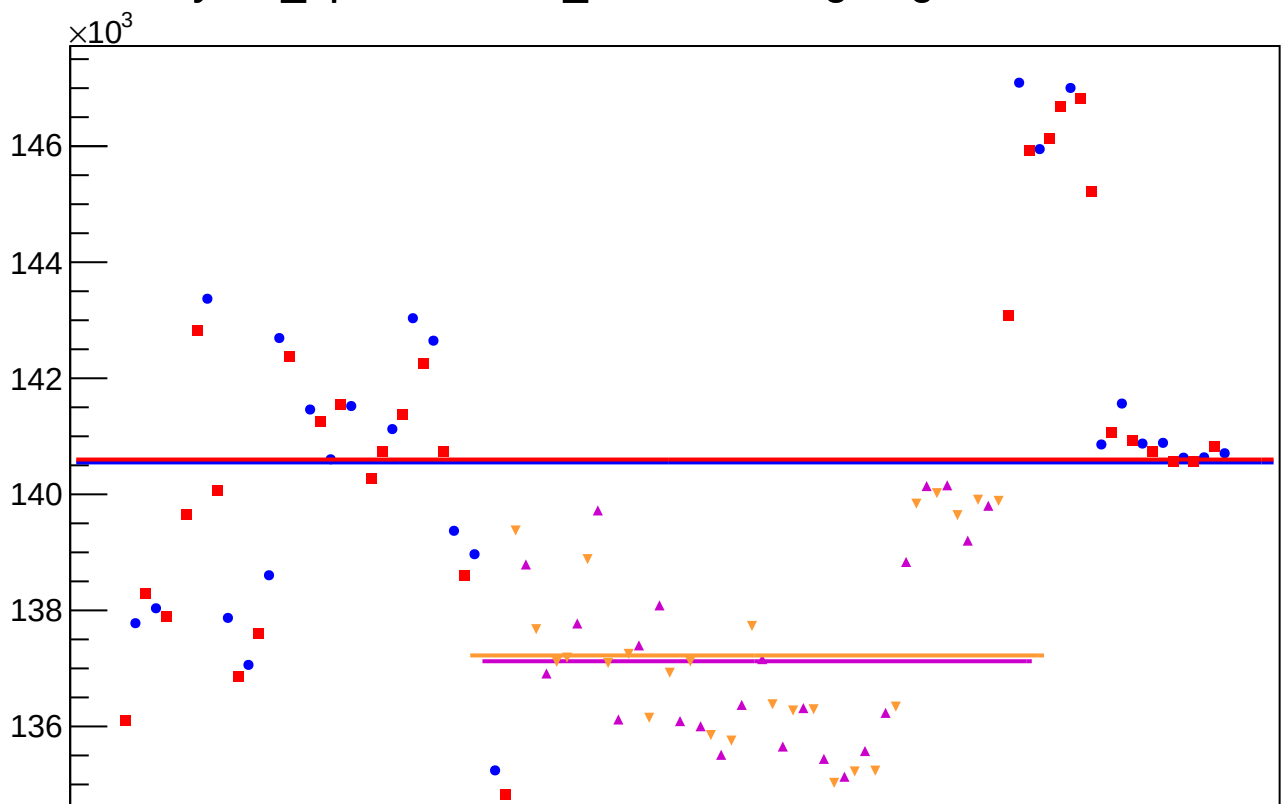
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 166.417+/-0.023 χ^2/NDF: 9521633.9/56

In: 189.437+/-0.025 χ^2/NDF:6023969.9/48

Out: 184.803+/-0.023 χ^2/NDF:7041546.9/55

All: 186.990+/-0.017 χ^2/NDF: 13084205.9/10



Right In: 140550.041+/-0.053 χ^2/NDF: 2807730365.9/25

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

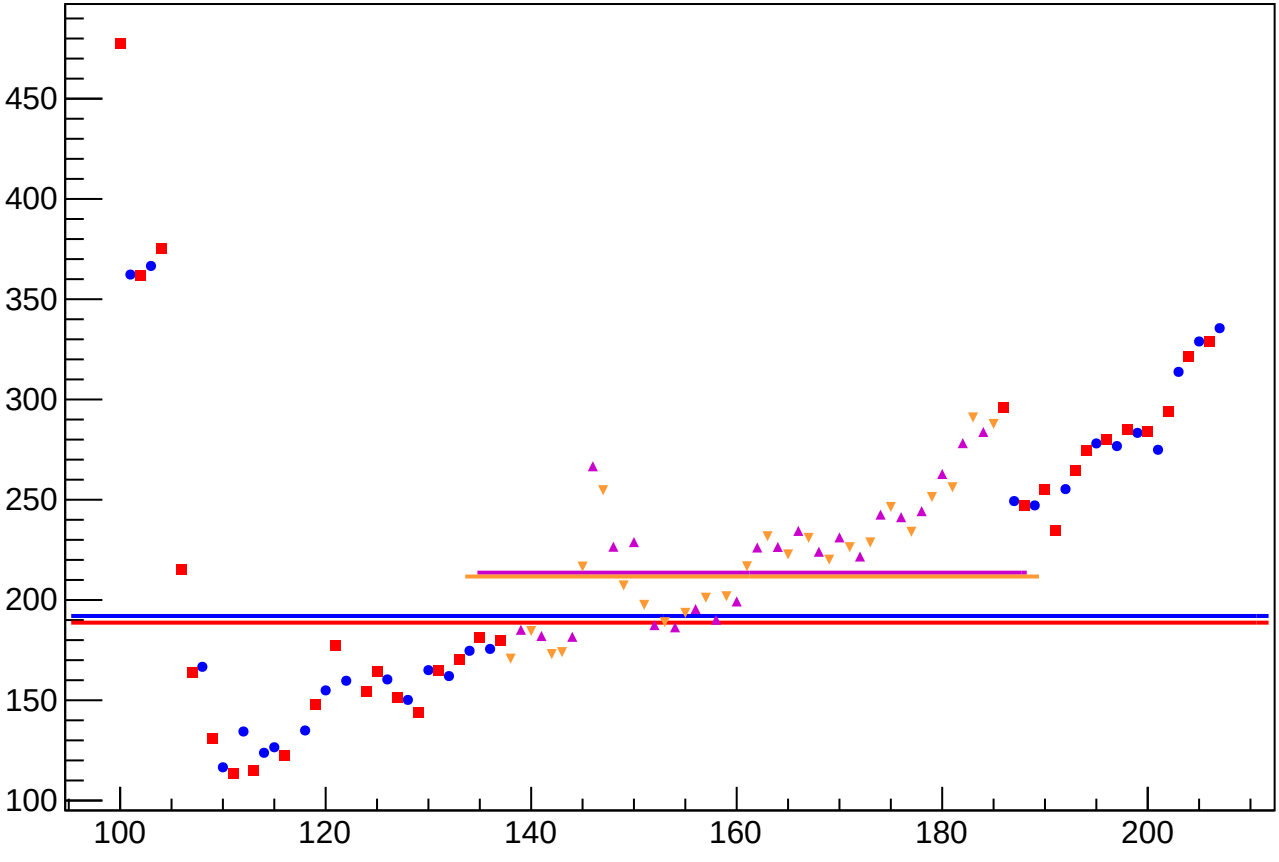
Right: 140576.358+/-0.037 χ^2/NDF: 6047883876.6/

In: 138753.820+/-0.037 χ^2/NDF:5823883599.3/48

Out: 138862.332+/-0.035 χ^2/NDF:6434108171.9/5

All: 138810.594+/-0.025 χ^2/NDF: 12262526

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 192.038+/-0.038 χ^2/NDF: 3336983.3/25

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

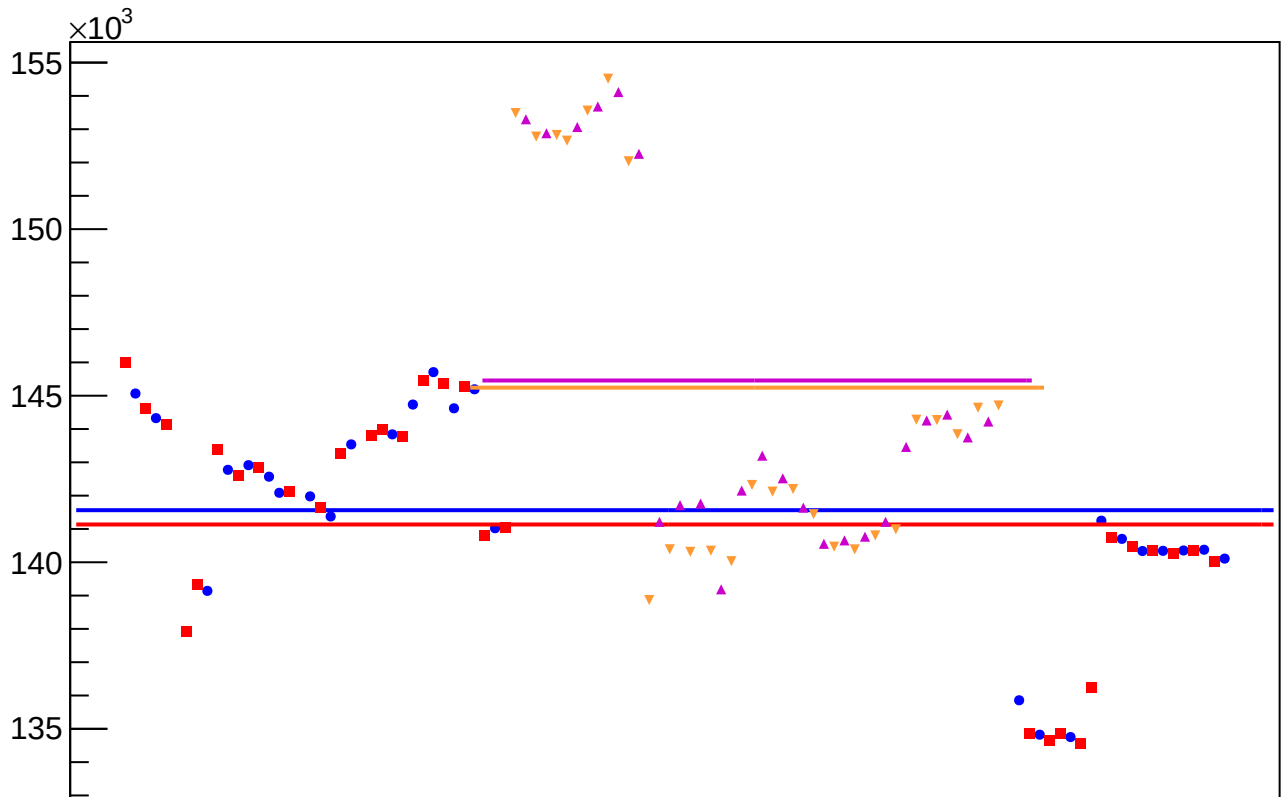
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 190.276+/-0.026 χ^2/NDF: 7344589.4/56

In: 203.363+/-0.026 χ^2/NDF:4129668.2/48

Out: 200.545+/-0.025 χ^2/NDF:4892766.6/55

All: 201.888+/-0.018 χ^2/NDF: 9028551.8/104



Right In: 141563.457+/-0.054 χ^2/NDF: 2782912009.9/25

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

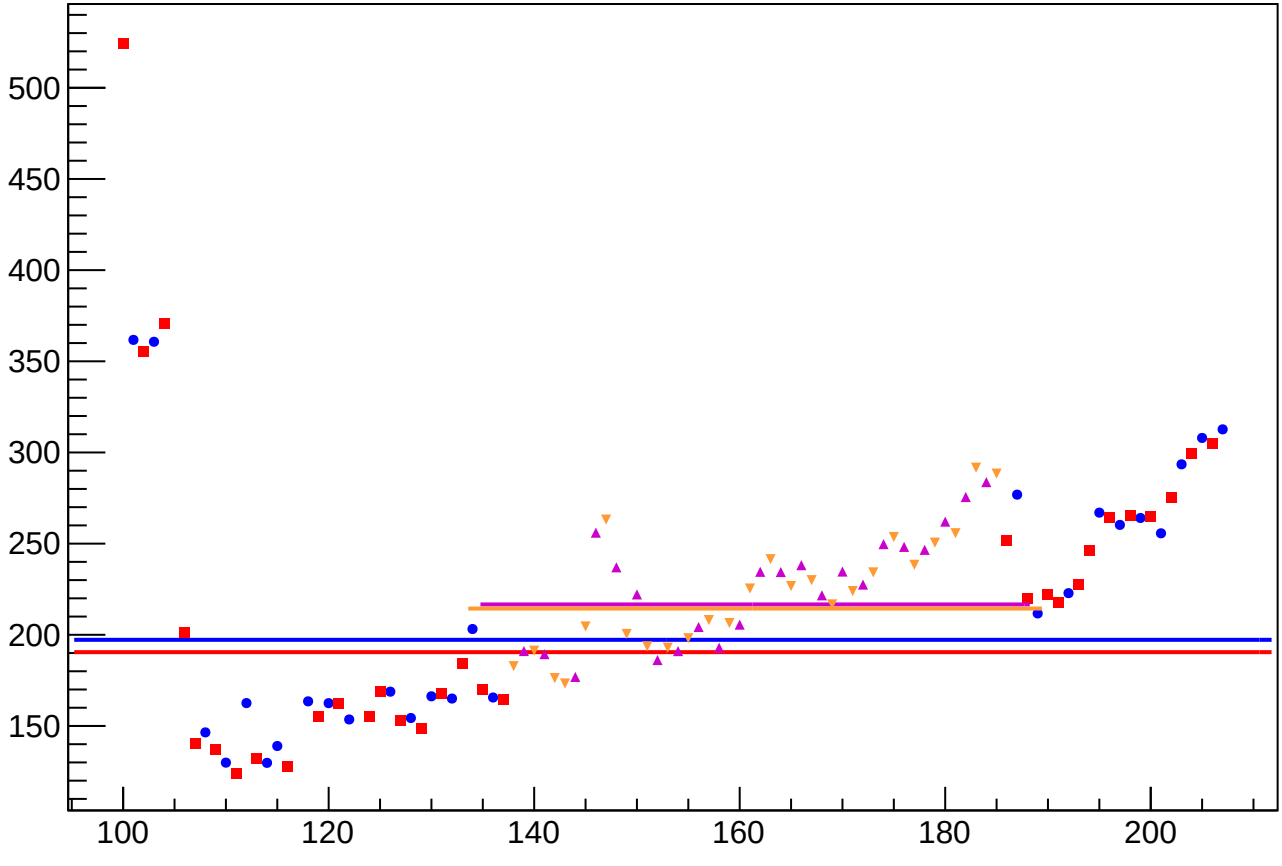
Right: 141332.558+/-0.037 χ^2/NDF: 7226033733.1/

In: 143598.027+/-0.037 χ^2/NDF:16575906811.0/4

Out: 143205.425+/-0.035 χ^2/NDF:20840699239.1

All: 143390.623+/-0.026 χ^2/NDF: 37475173

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.250+/-0.038 χ^2/NDF: 2425344.8/25

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

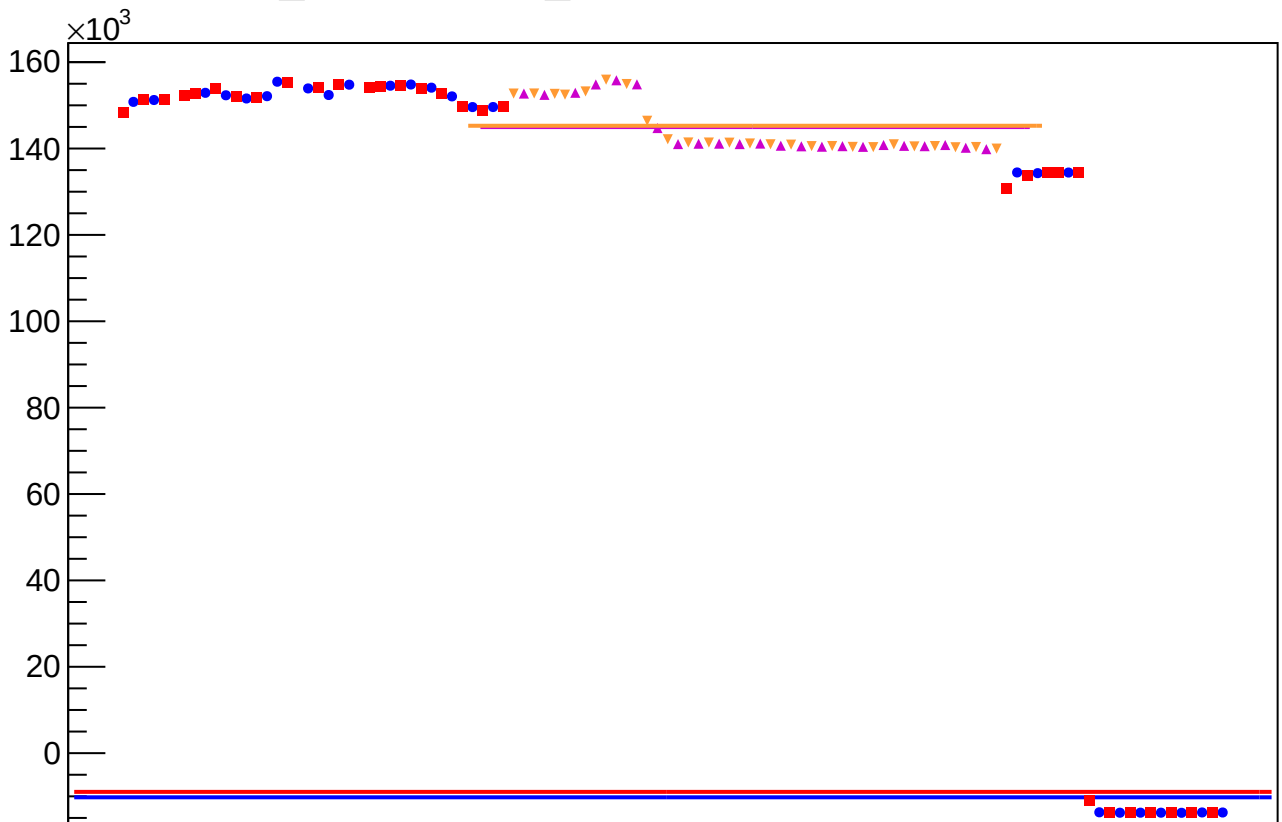
Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 193.611+/-0.026 χ^2/NDF: 5339261.7/56

In: 207.390+/-0.026 χ^2/NDF:3147647.7/48

Out: 202.537+/-0.025 χ^2/NDF:3770613.2/55

All: 204.826+/-0.018 χ^2/NDF: 6936163.8/104



Right In: -10224.621+/-0.010 χ^2/NDF: 5854163625634.0/25

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

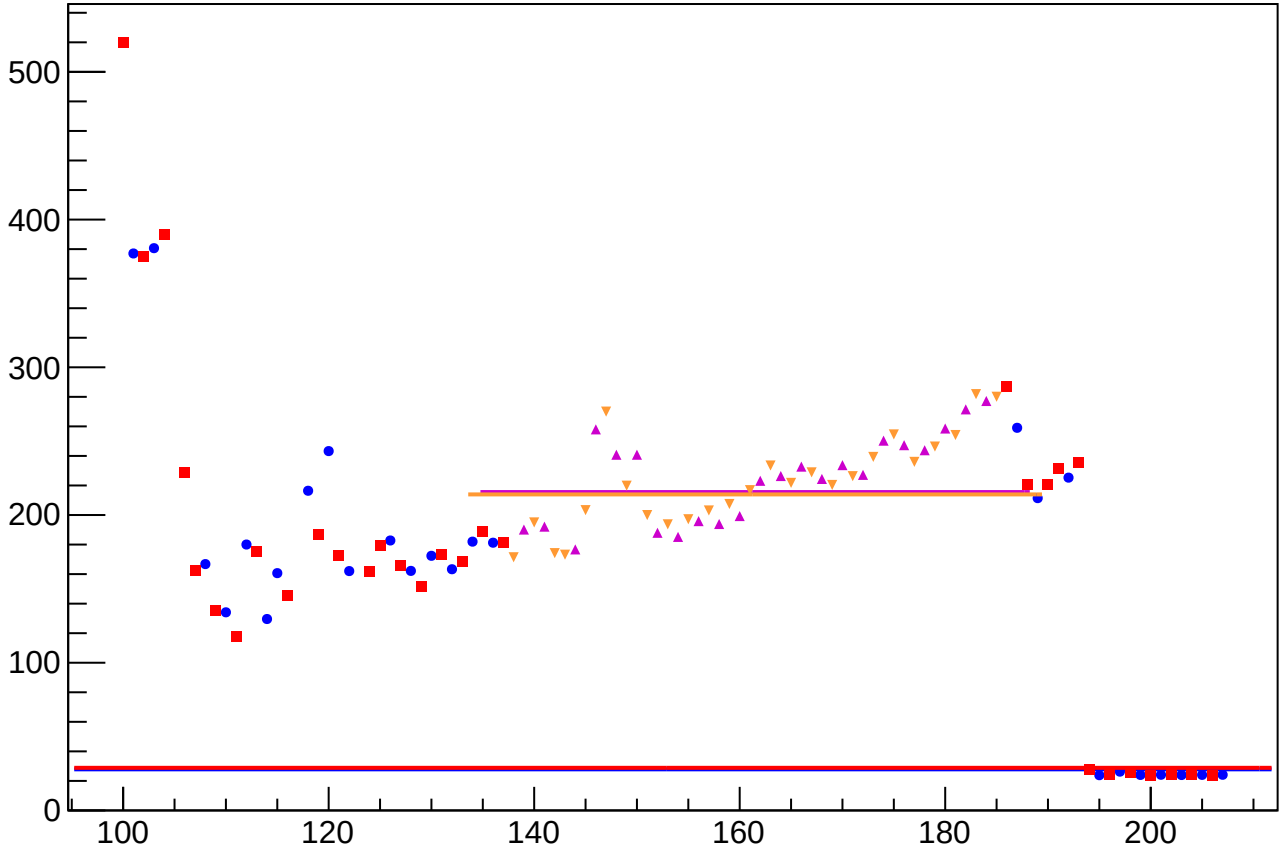
Right: -9614.010+/-0.007 χ^2/NDF: 1296754939119

In: -4697.213+/-0.010 χ^2/NDF:14726035302852.3

Out: -2722.730+/-0.010 χ^2/NDF:16477261286041

All: -3737.406+/-0.007 χ^2/NDF: 3122359072

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 27.836+/-0.007 χ^2/NDF: 12632710.0/25

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

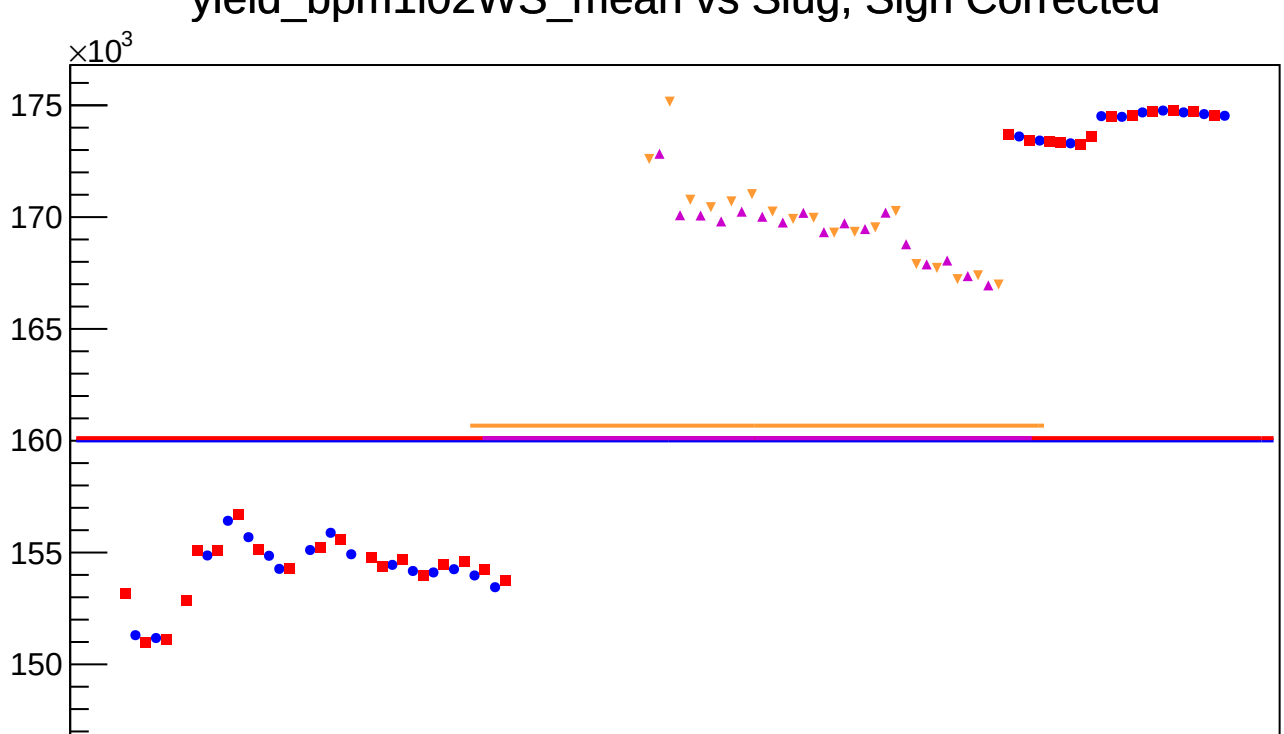
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 28.333+/-0.005 χ^2/NDF: 27013933.6/56

In: 34.521+/-0.007 χ^2/NDF:39151655.3/48

Out: 36.352+/-0.007 χ^2/NDF:41974964.5/55

All: 35.412+/-0.005 χ^2/NDF: 81161523.4/104



Right In: 160014.159+/-0.056 χ^2/NDF: 24617179788.8/25

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.

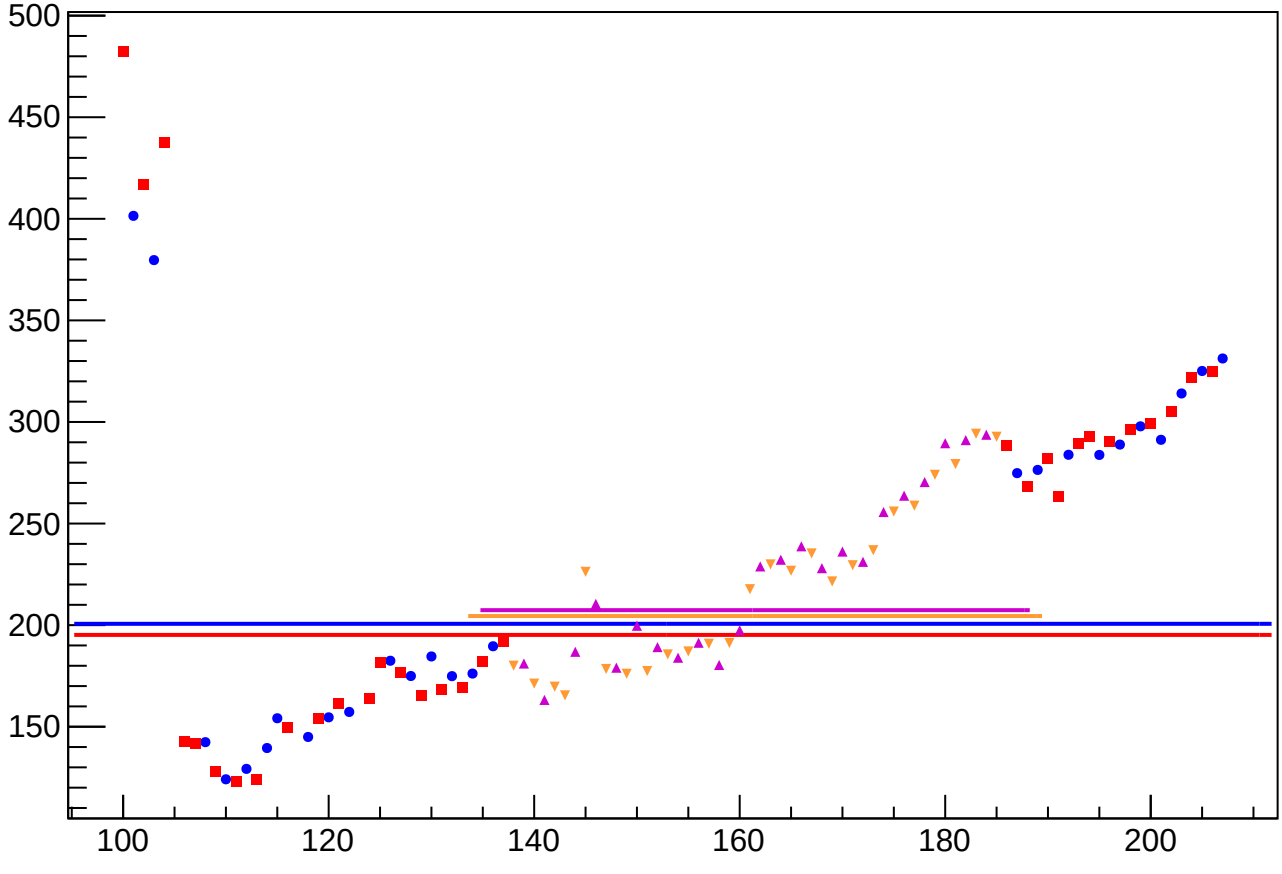
Right: 160068.627+/-0.038 χ^2/NDF: 52500232239.

In: 160071.990+/-0.037 χ^2/NDF:91172296457.5/

Out: 160421.138+/-0.035 χ^2/NDF:102099511187.

All: 160255.976+/-0.025 χ^2/NDF: 19331883

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 200.650+/-0.039 χ^2/NDF: 3355864.2/25

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

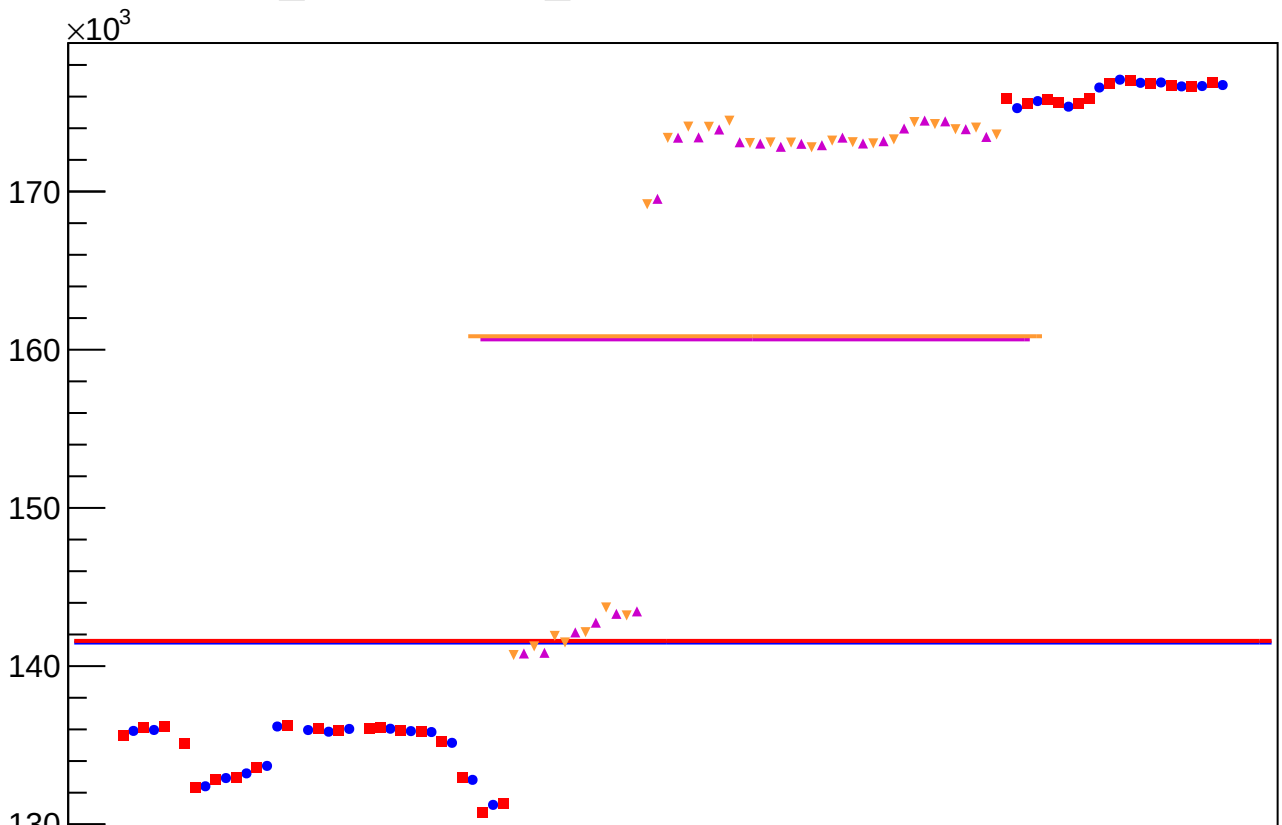
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 197.730+/-0.027 χ^2/NDF: 7477981.5/56

In: 204.411+/-0.026 χ^2/NDF:4328790.4/48

Out: 200.259+/-0.025 χ^2/NDF:5219913.2/55

All: 202.223+/-0.018 χ^2/NDF: 9562002.4/104



Right In: 141489.883+/-0.046 χ^2/NDF: 119003723891.7/25

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 141594.500+/-0.044 χ^2/NDF: 136710314517.2/30

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

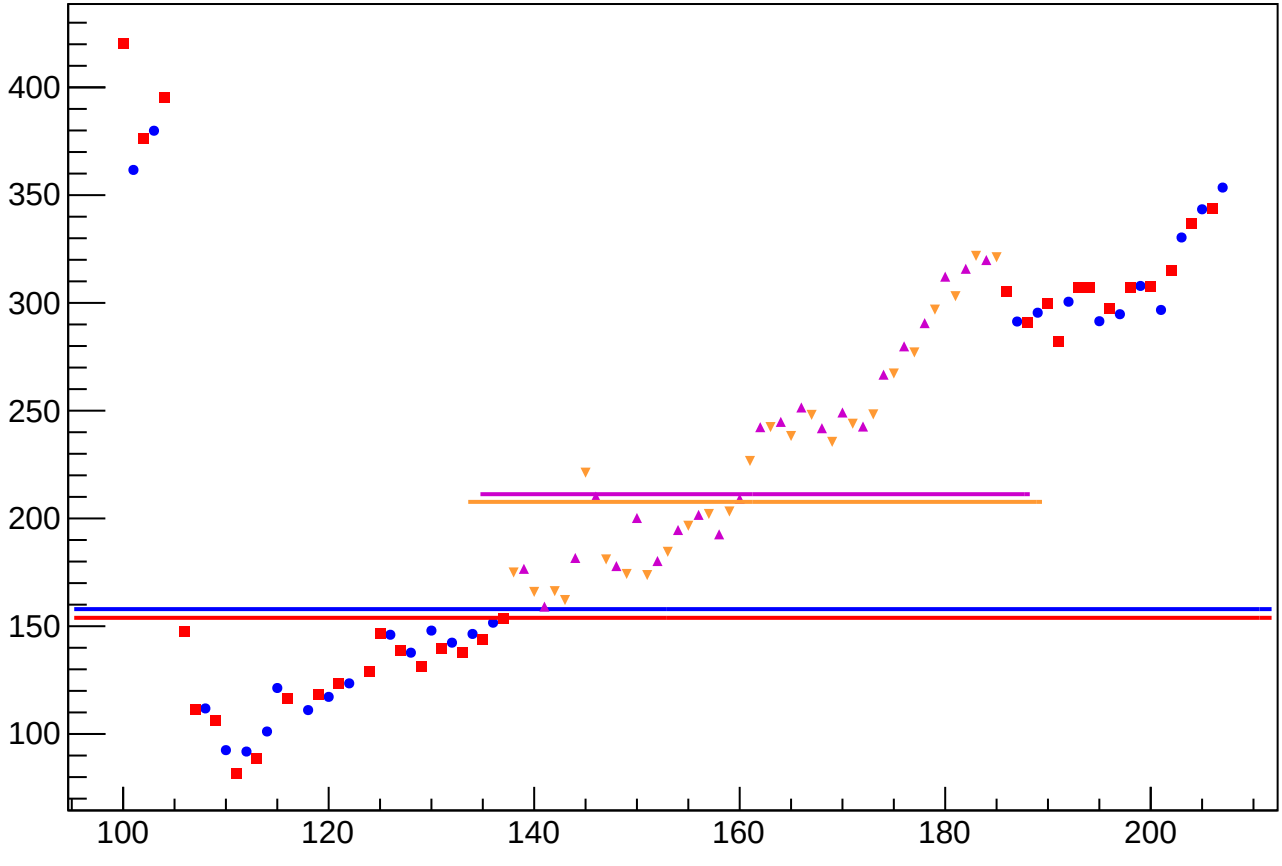
Right: 141545.354+/-0.032 χ^2/NDF: 25571674817

In: 150217.343+/-0.034 χ^2/NDF:287252501335.4

Out: 150206.122+/-0.032 χ^2/NDF:323311654449.

All: 150211.435+/-0.023 χ^2/NDF: 61056421

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 157.934+/-0.033 χ^2/NDF: 6008188.5/25

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

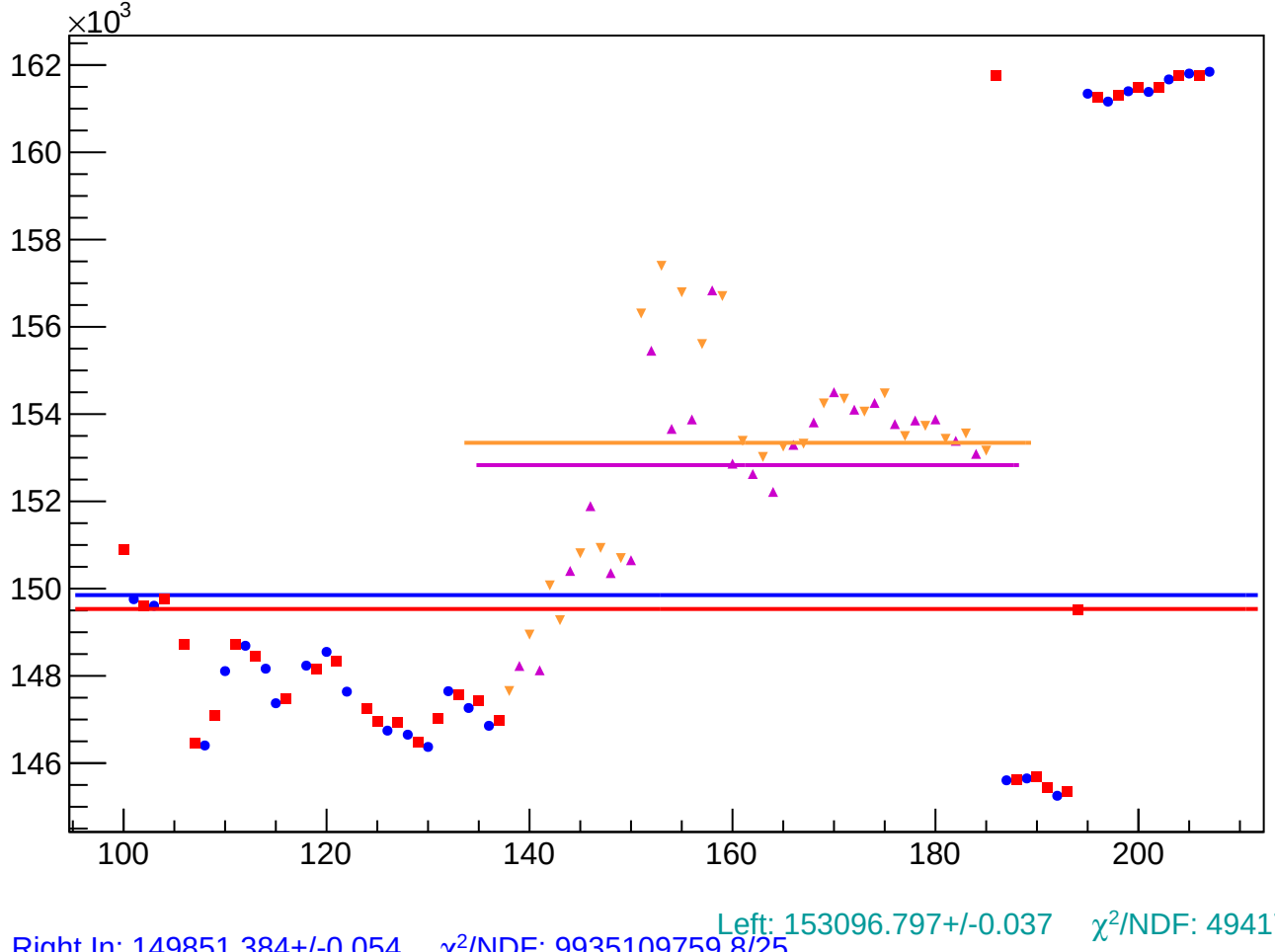
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 155.791+/-0.022 χ^2/NDF: 13142454.0/56

In: 182.216+/-0.024 χ^2/NDF:8523073.0/48

Out: 177.951+/-0.023 χ^2/NDF:9991097.5/55

All: 179.970+/-0.017 χ^2/NDF: 18530596.1/10



Right In: 149851.384+/-0.054 χ^2/NDF: 9935109759.8/25

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

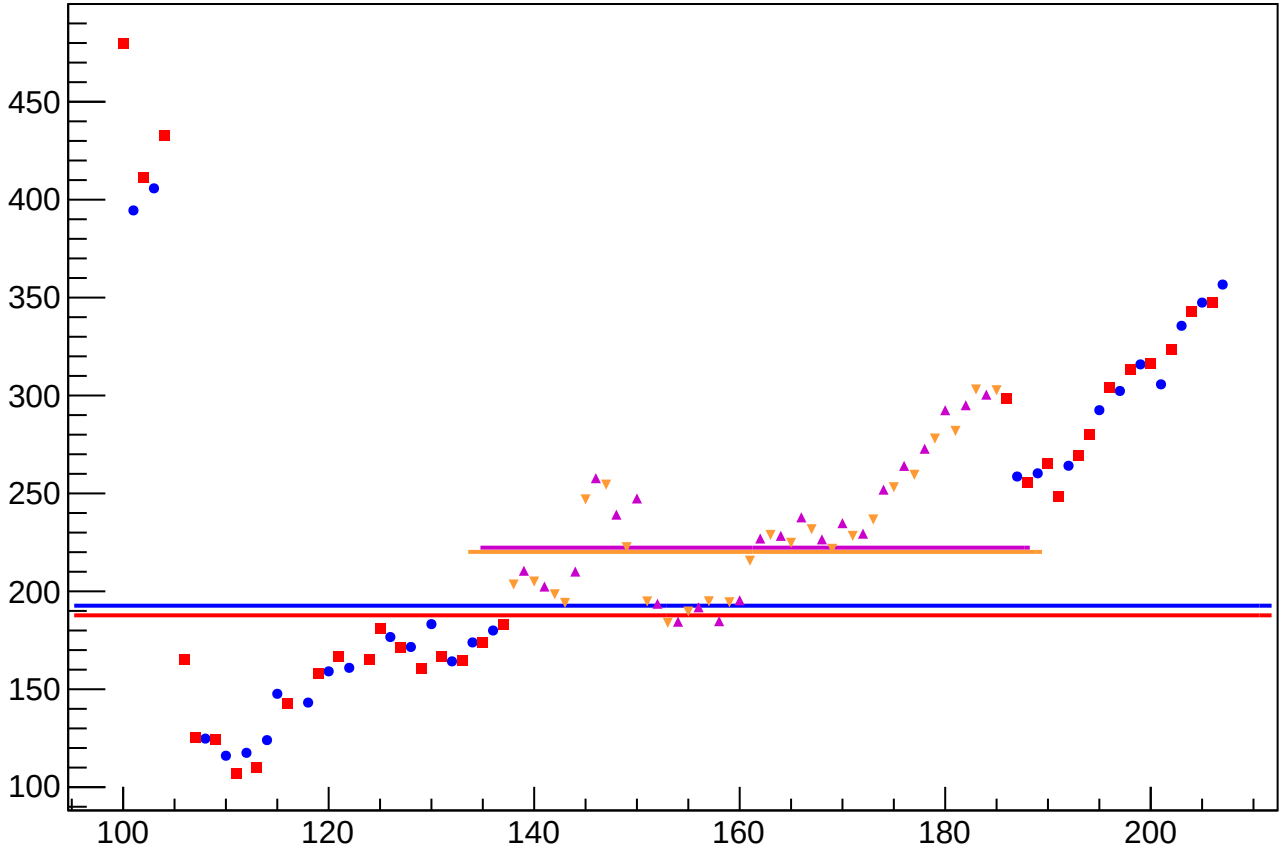
Right: 149681.593+/-0.037 χ^2/NDF: 19495455768.9

In: 151382.514+/-0.038 χ^2/NDF:13398276616.2/4

Out: 151436.195+/-0.036 χ^2/NDF:15334574127.2

All: 151410.766+/-0.026 χ^2/NDF: 28733095

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 192.671+/-0.038 χ^2/NDF: 4107621.2/25

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

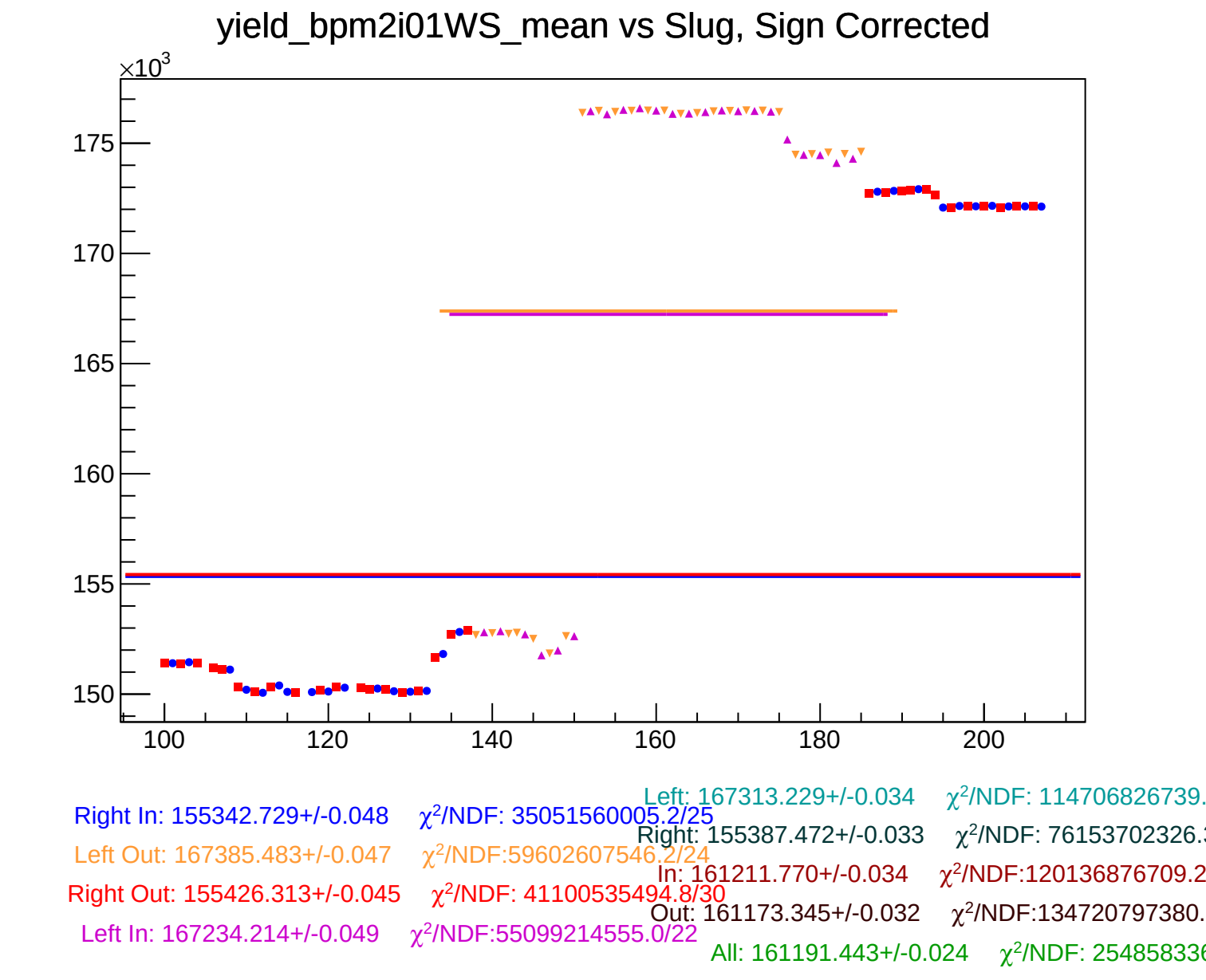
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 190.041+/-0.026 χ^2/NDF: 8946586.6/56

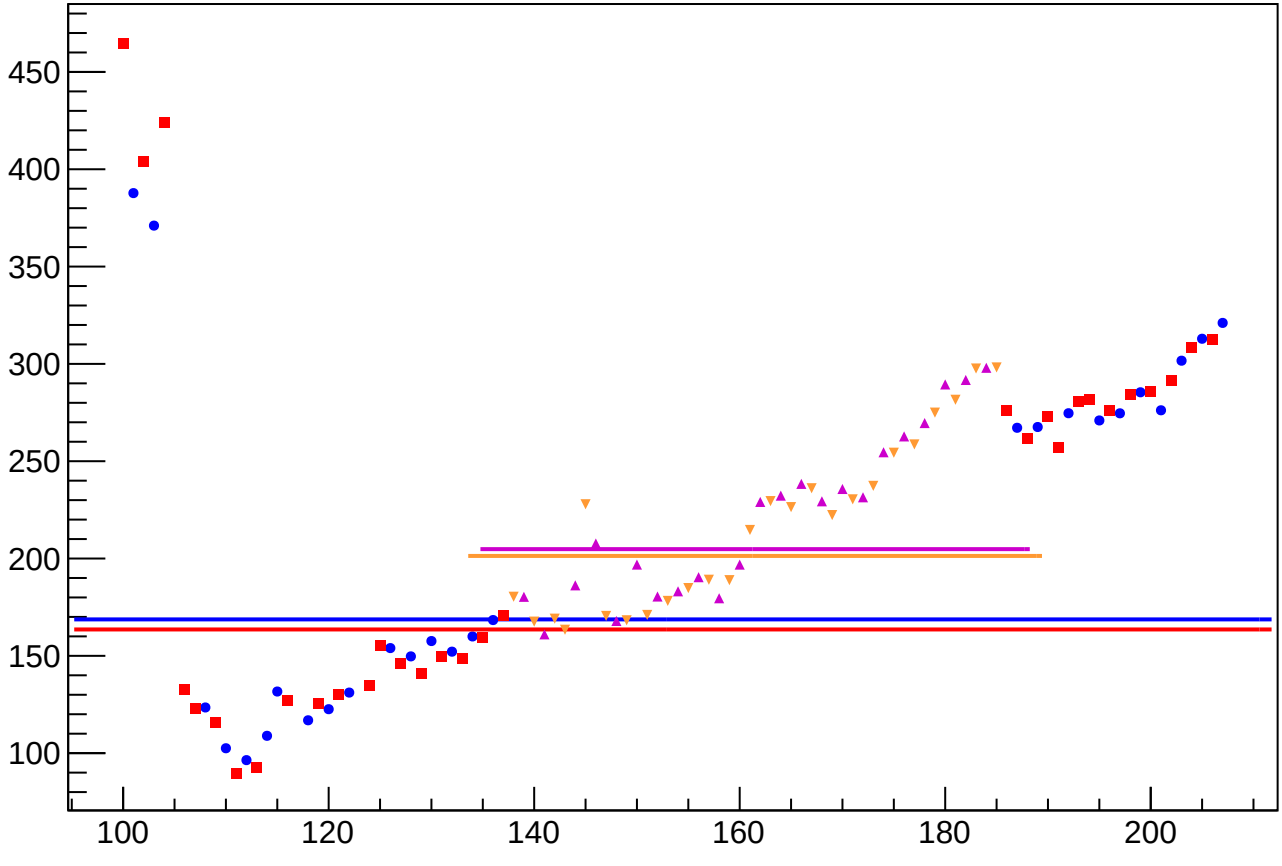
In: 207.897+/-0.027 χ^2/NDF:5111515.8/48

Out: 203.935+/-0.025 χ^2/NDF:5923254.2/55

All: 205.811+/-0.018 χ^2/NDF: 11046306.1/10


yield_bpm2i01WS_mean vs Slug, Sign Corrected
×10^3
175
170
165
160
155
150
100
120
140
160
180
200
Right In: 155342.729+/-0.048 χ²/NDF: 35051560005.2/25
Left Out: 167385.483+/-0.047 χ²/NDF:59602607546.2/24
Right Out: 155426.313+/-0.045 χ²/NDF: 41100535494.8/30
Left In: 167234.214+/-0.049 χ²/NDF:55099214555.0/22
Left: 167313.229+/-0.034 χ²/NDF: 114706826739.
Right: 155387.472+/-0.033 χ²/NDF: 76153702326.
In: 161211.770+/-0.034 χ²/NDF:120136876709.2
Out: 161173.345+/-0.032 χ²/NDF:134720797380.
All: 161191.443+/-0.024 χ²/NDF: 25485836

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 168.725+/-0.034 χ^2/NDF: 4766863.3/25

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

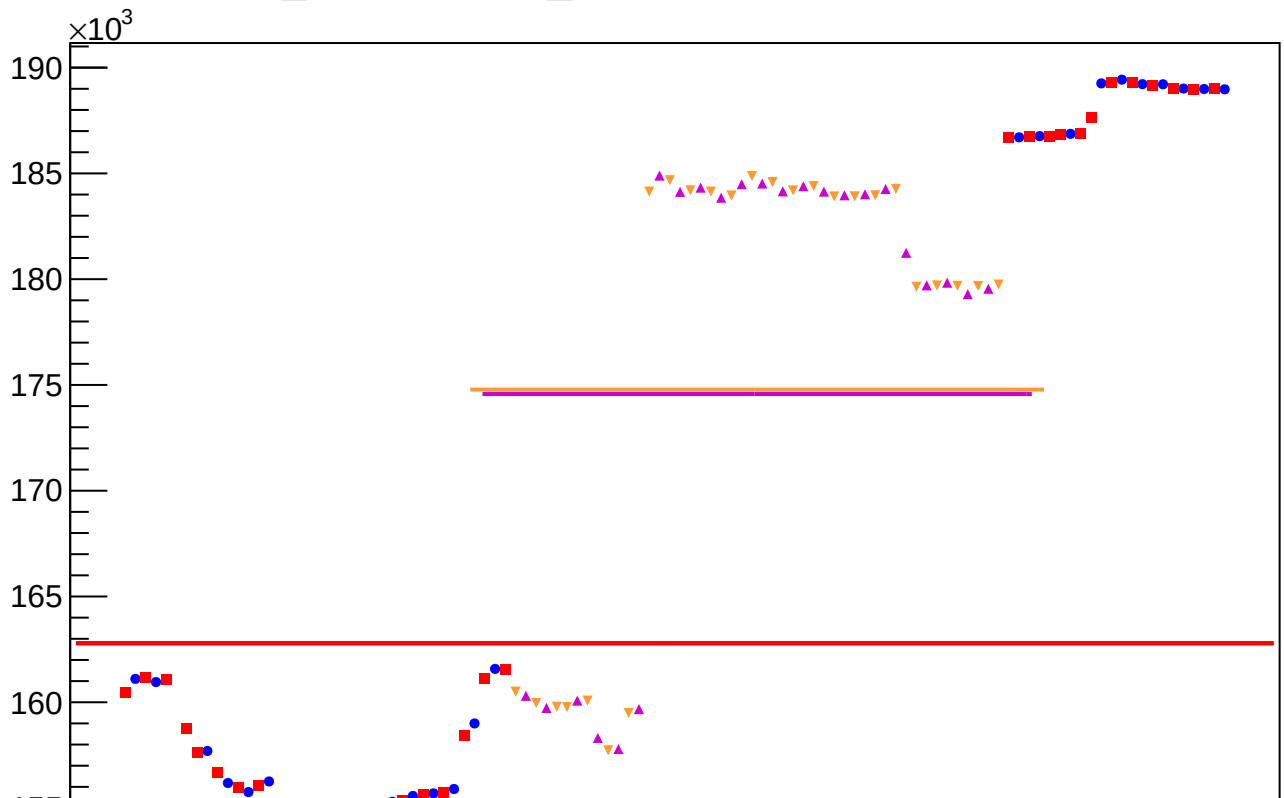
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 165.957+/-0.023 χ^2/NDF: 10540202.3/56

In: 186.543+/-0.024 χ^2/NDF:6372717.6/48

Out: 181.707+/-0.023 χ^2/NDF:7670469.5/55

All: 183.984+/-0.017 χ^2/NDF: 14064177.0/10



Right In: 162783.996+/-0.051 χ^2/NDF: 64127665173.1/25

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.

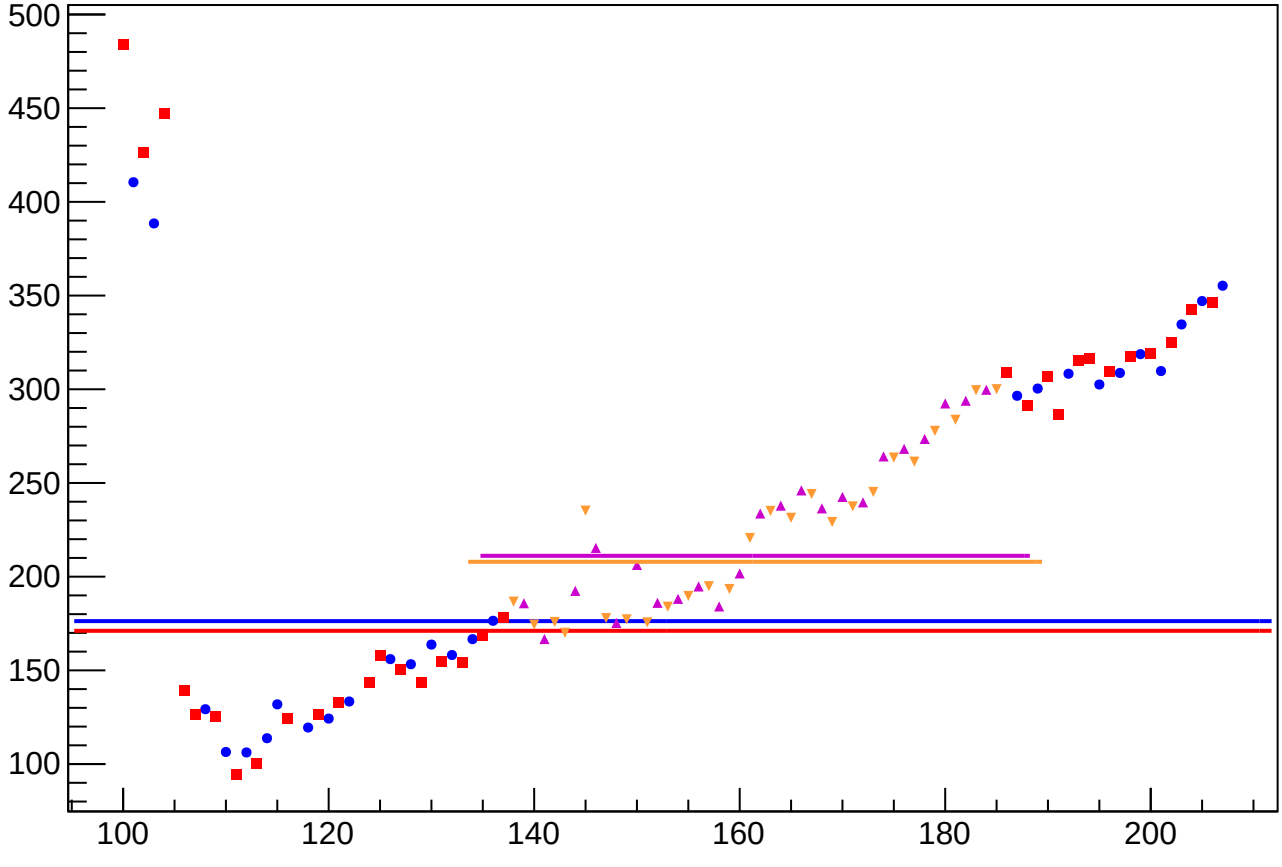
Right: 162790.279+/-0.035 χ^2/NDF: 13654629891

In: 168746.700+/-0.036 χ^2/NDF:145974377865.1

Out: 168703.196+/-0.034 χ^2/NDF:161895508769.

All: 168723.726+/-0.025 χ^2/NDF: 30787066

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 176.278+/-0.036 χ^2/NDF: 5267144.5/25

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

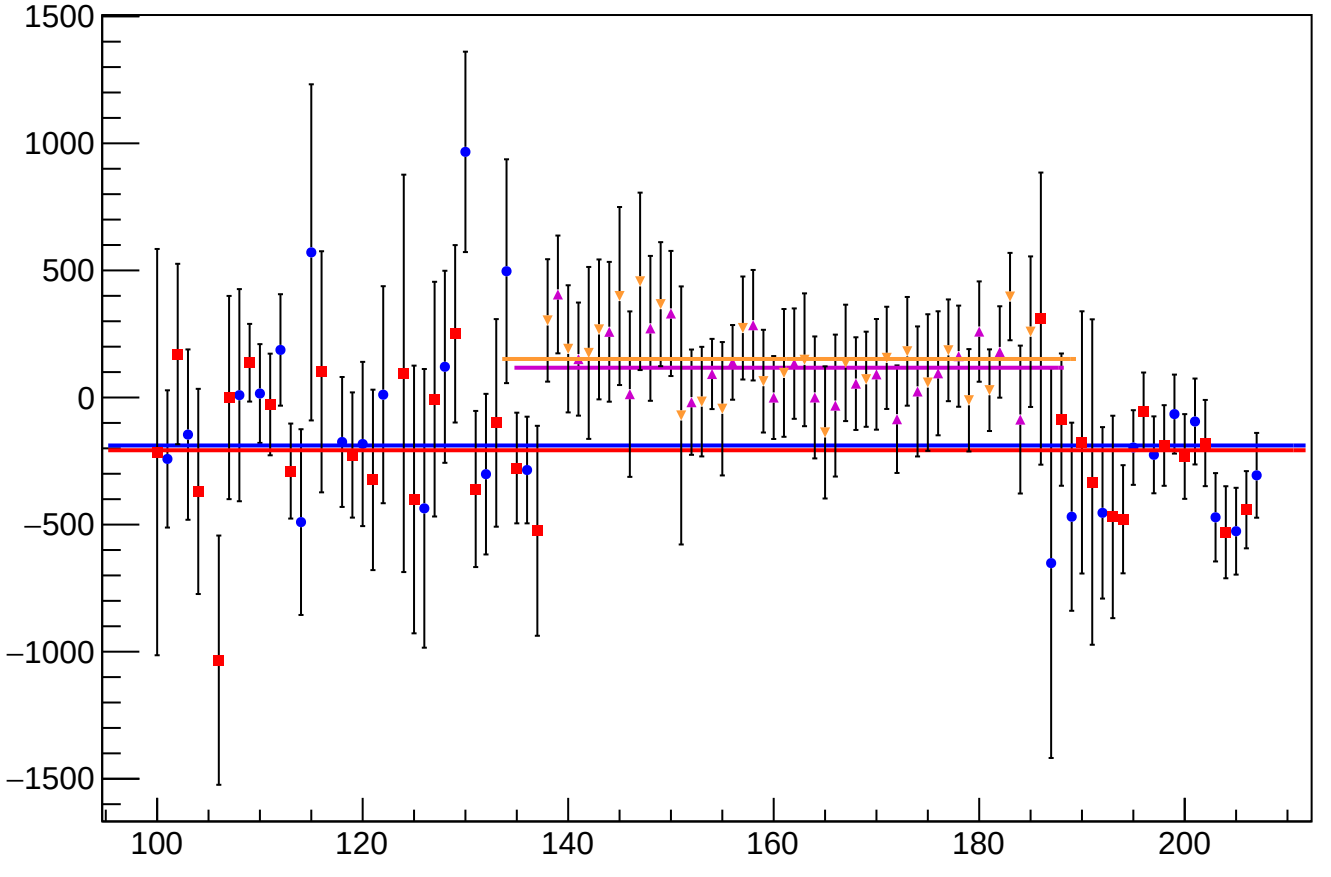
Right: 173.515+/-0.025 χ^2/NDF: 11597413.2/56

In: 193.912+/-0.025 χ^2/NDF:6734708.9/48

Out: 189.263+/-0.024 χ^2/NDF:8043391.1/55

All: 191.457+/-0.017 χ^2/NDF: 14795903.4/10

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -188.729+/-46.725 χ^2/NDF: 28.4/25

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

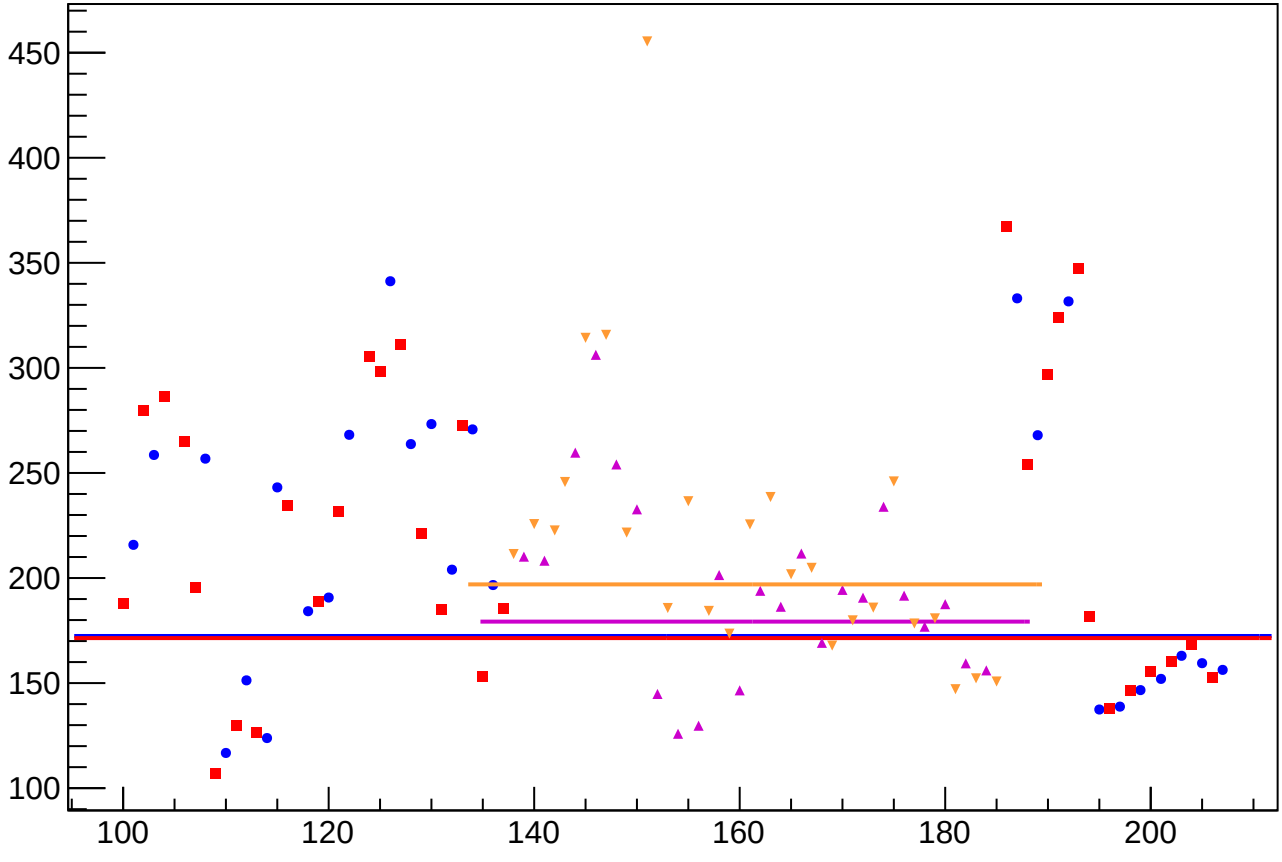
Right: -198.461+/-32.435 χ^2/NDF: 52.4/56

In: -25.833+/-31.947 χ^2/NDF:58.7/48

Out: -33.290+/-32.332 χ^2/NDF:64.4/55

All: -29.517+/-22.725 χ^2/NDF: 123.1/104

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 172.417+/-0.033 χ^2/NDF: 2200966.7/25

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

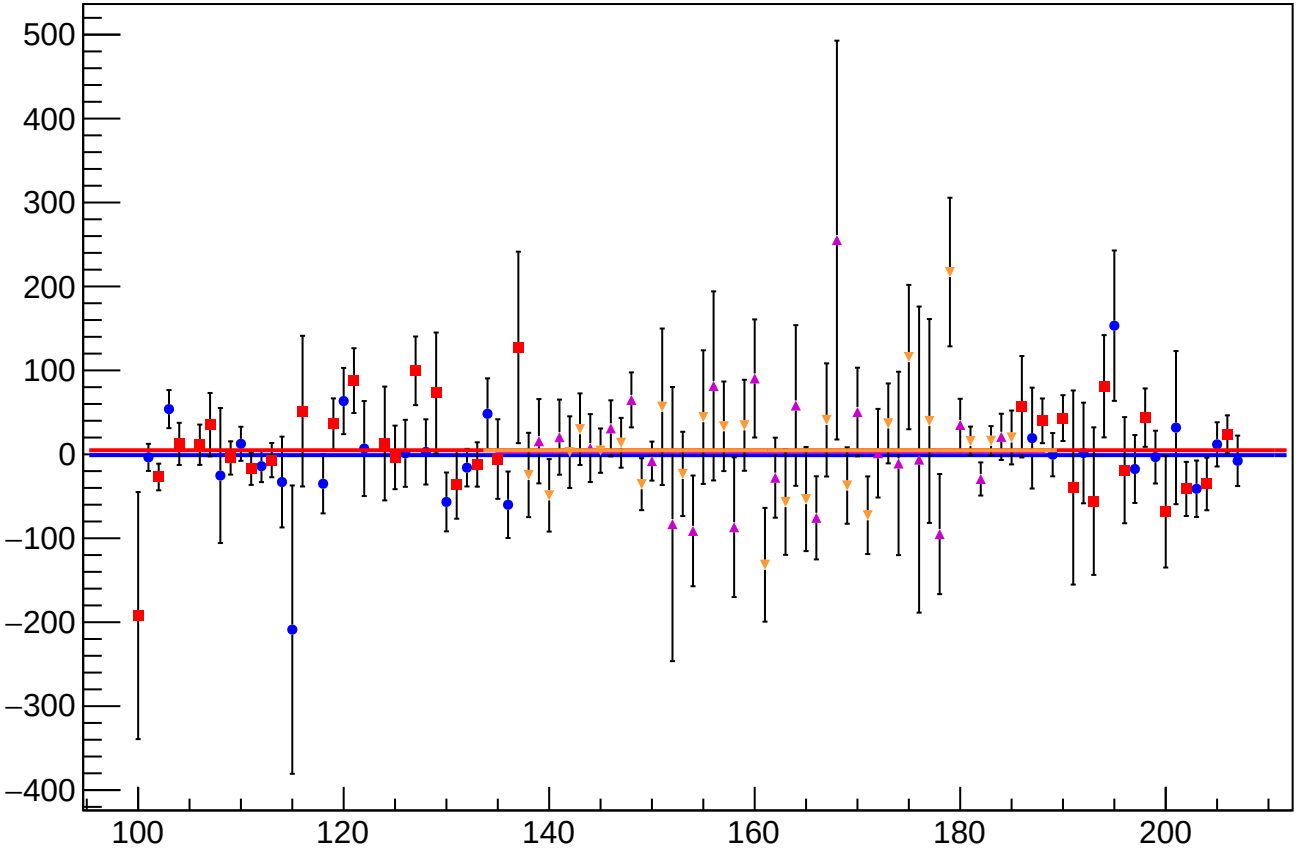
Right: 171.896+/-0.023 χ^2/NDF: 5098149.2/56

In: 176.059+/-0.023 χ^2/NDF:3879803.9/48

Out: 183.813+/-0.023 χ^2/NDF:5018327.4/55

All: 179.890+/-0.016 χ^2/NDF: 8956339.4/104

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.979+/-6.211 χ^2/NDF: 24.0/25

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

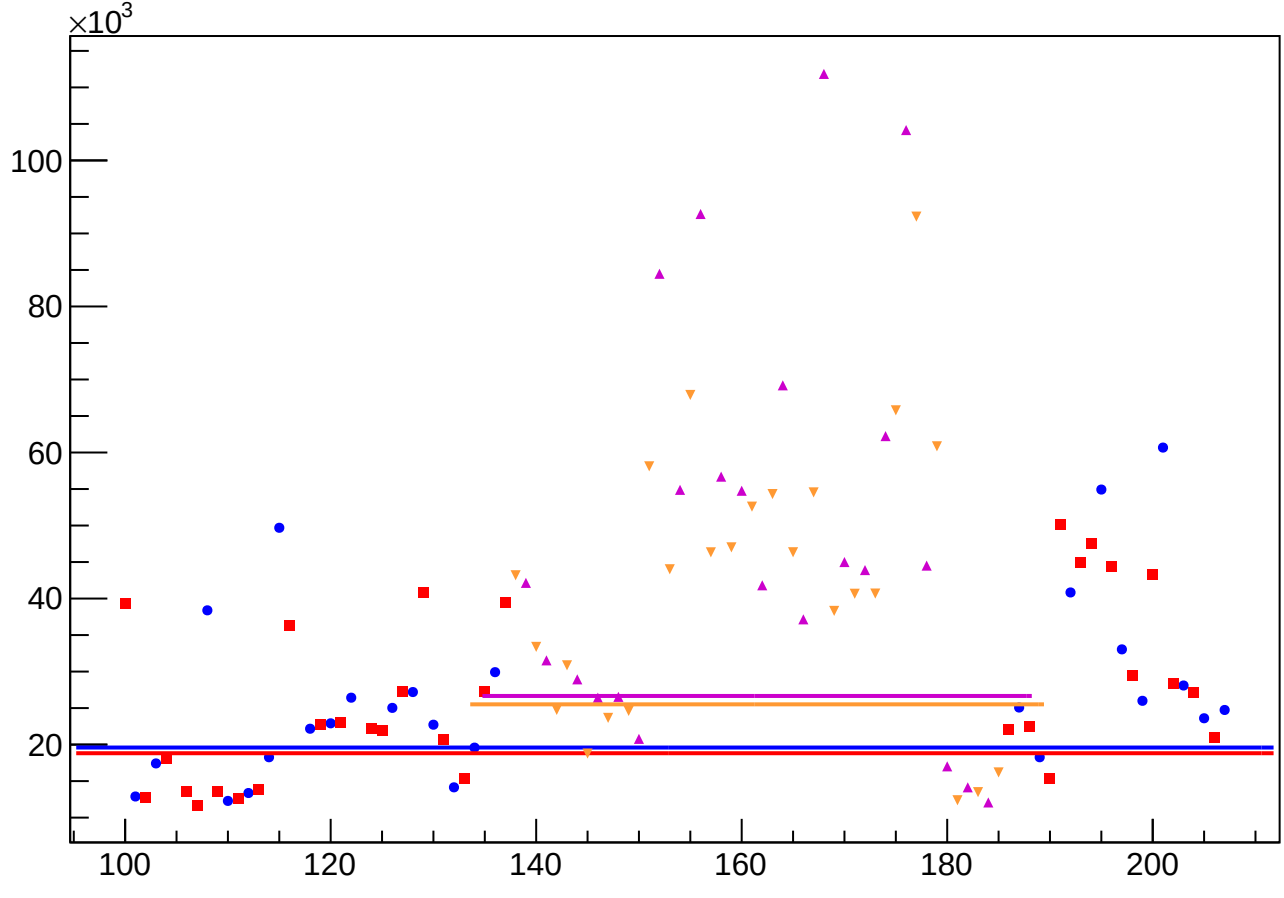
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

Right: 2.187+/-4.207 χ^2/NDF: 61.5/56

In: 0.309+/-5.082 χ^2/NDF:45.6/48

Out: 4.847+/-4.570 χ^2/NDF:61.4/55

All: 2.818+/-3.398 χ^2/NDF: 107.4/104



Right In: 19597.731+/-4.392 χ^2/NDF: 2973508.0/25

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18818.633+/-4.044 χ^2/NDF: 3525158.5/30

Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

Left: 26000.695+/-4.075 χ^2/NDF: 13645179.5/47

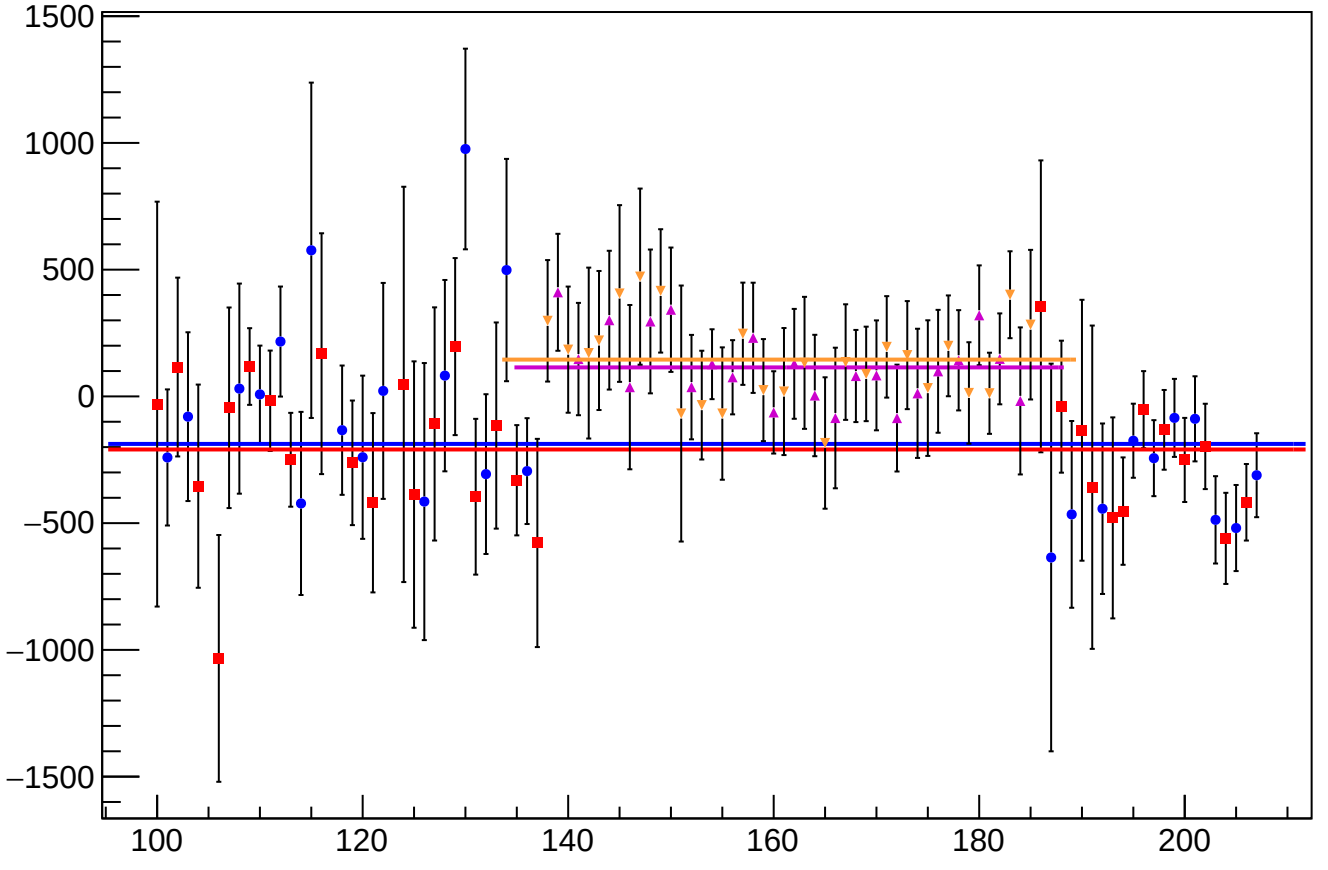
Right: 19176.076+/-2.975 χ^2/NDF: 6515698.6/56

In: 21931.965+/-3.594 χ^2/NDF:9711488.8/48

Out: 21238.052+/-3.231 χ^2/NDF:12258267.2/55

All: 21548.276+/-2.403 χ^2/NDF: 21990373.7

asym_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: -187.455+/-46.412 χ^2/NDF: 29.0/25

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

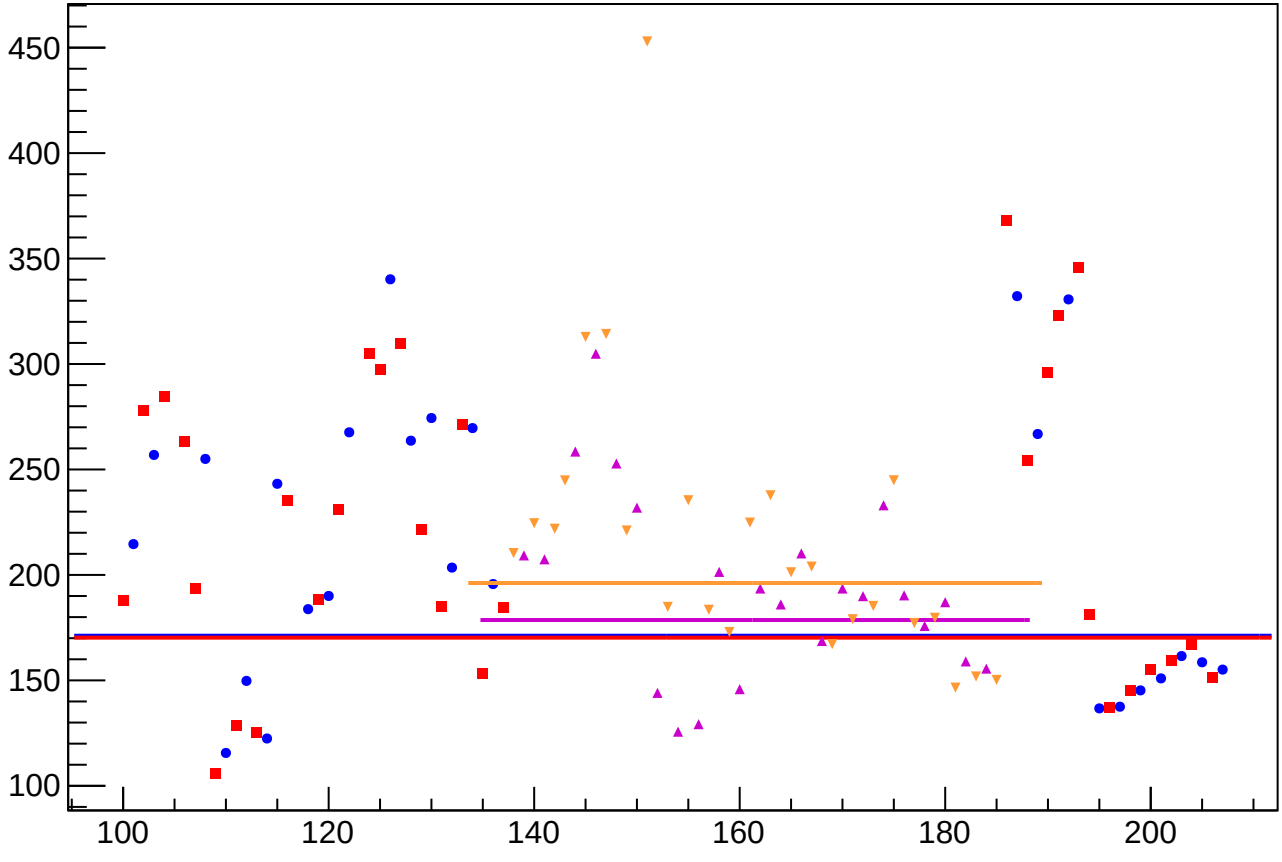
Right: -198.822+/-32.228 χ^2/NDF: 53.4/56

In: -27.173+/-31.785 χ^2/NDF:59.8/48

Out: -37.727+/-32.165 χ^2/NDF:65.8/55

All: -32.387+/-22.609 χ^2/NDF: 125.7/104

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 171.170+/-0.033 χ^2/NDF: 2231371.9/25

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

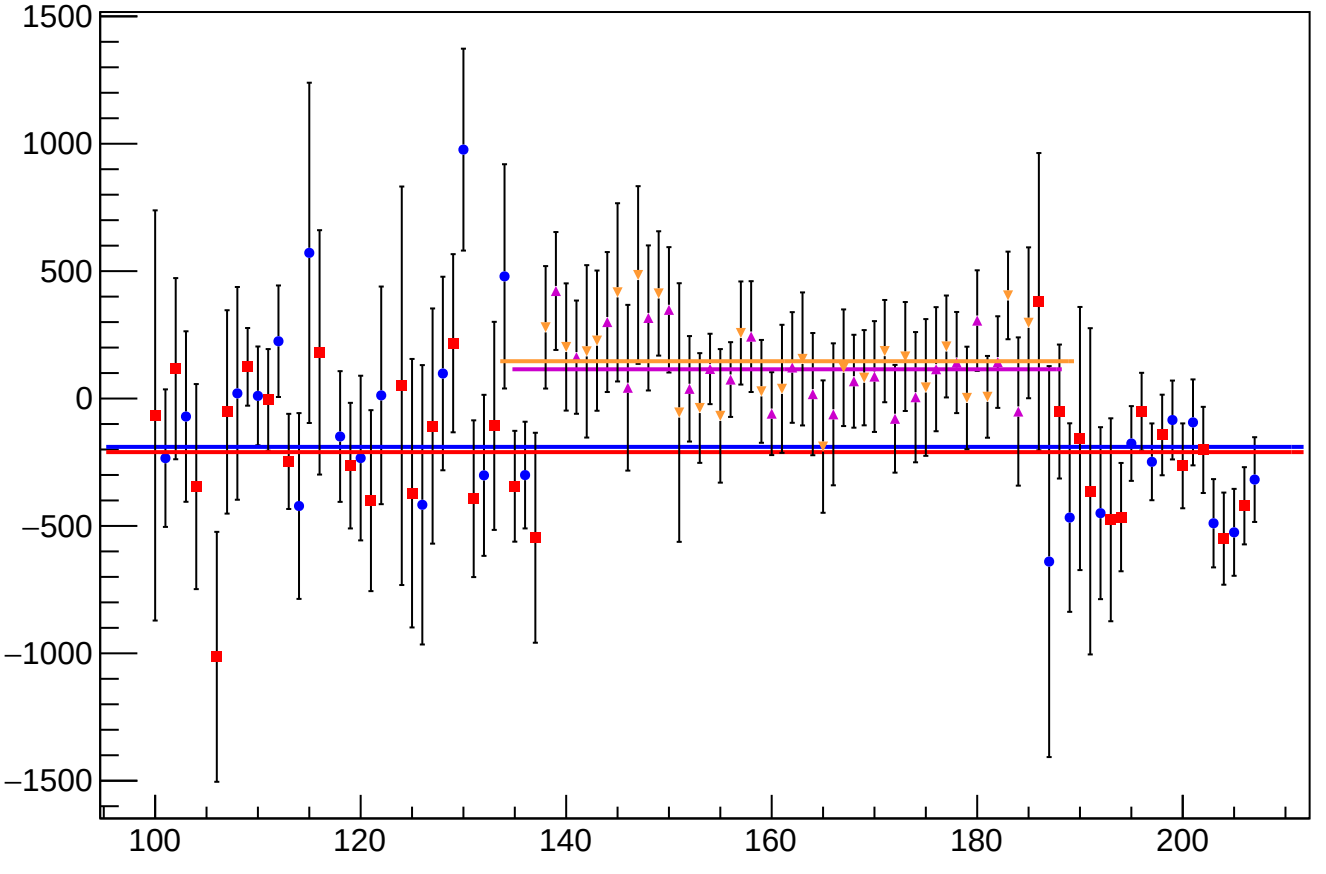
Right: 170.700+/-0.023 χ^2/NDF: 5165310.0/56

In: 175.126+/-0.022 χ^2/NDF:3910614.5/48

Out: 182.804+/-0.023 χ^2/NDF:5064371.4/55

All: 178.919+/-0.016 χ^2/NDF: 9032638.5/104

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -189.769+/-46.648 χ^2/NDF: 29.1/25

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

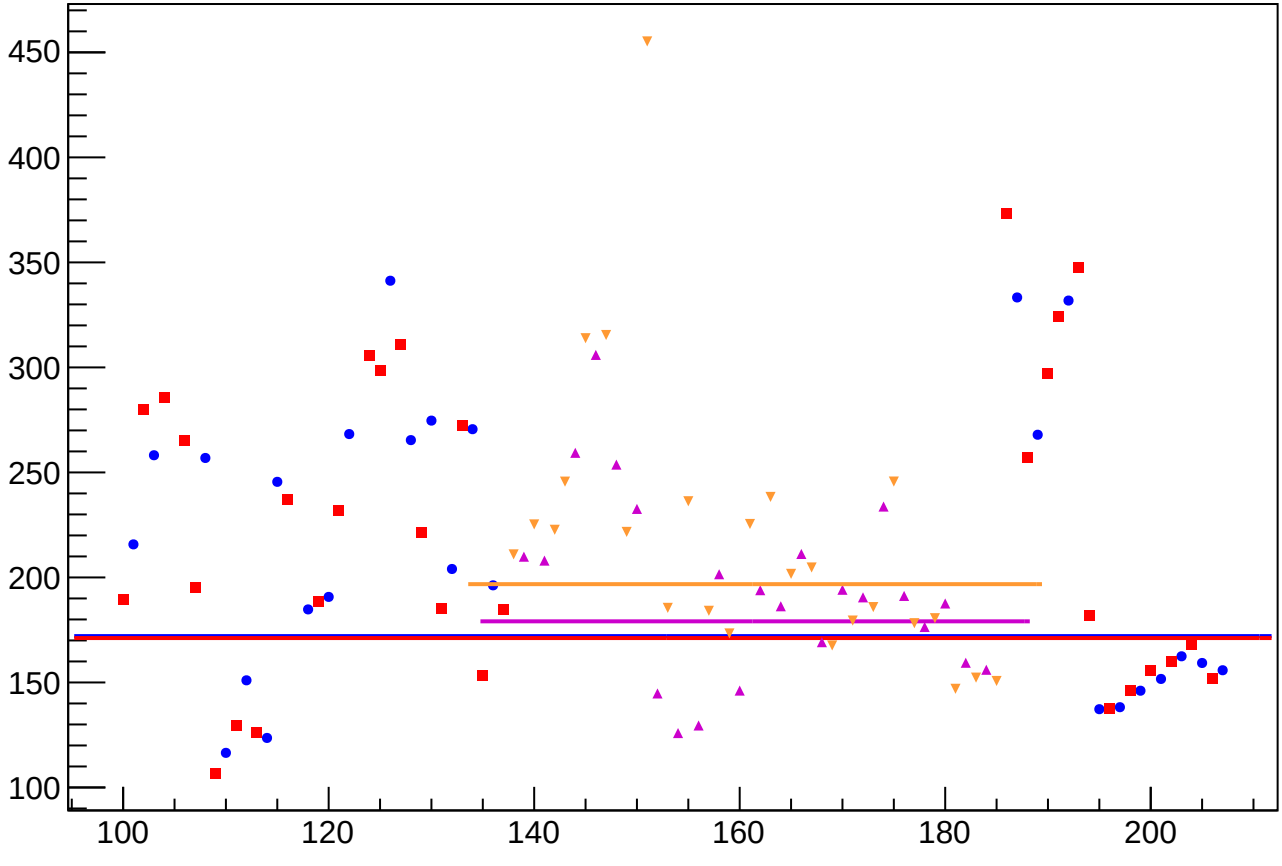
Right: -200.400+/-32.392 χ^2/NDF: 53.3/56

In: -27.693+/-31.908 χ^2/NDF:60.2/48

Out: -37.264+/-32.302 χ^2/NDF:66.0/55

All: -32.420+/-22.700 χ^2/NDF: 126.2/104

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 172.068+/-0.033 χ^2/NDF: 2222028.9/25

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

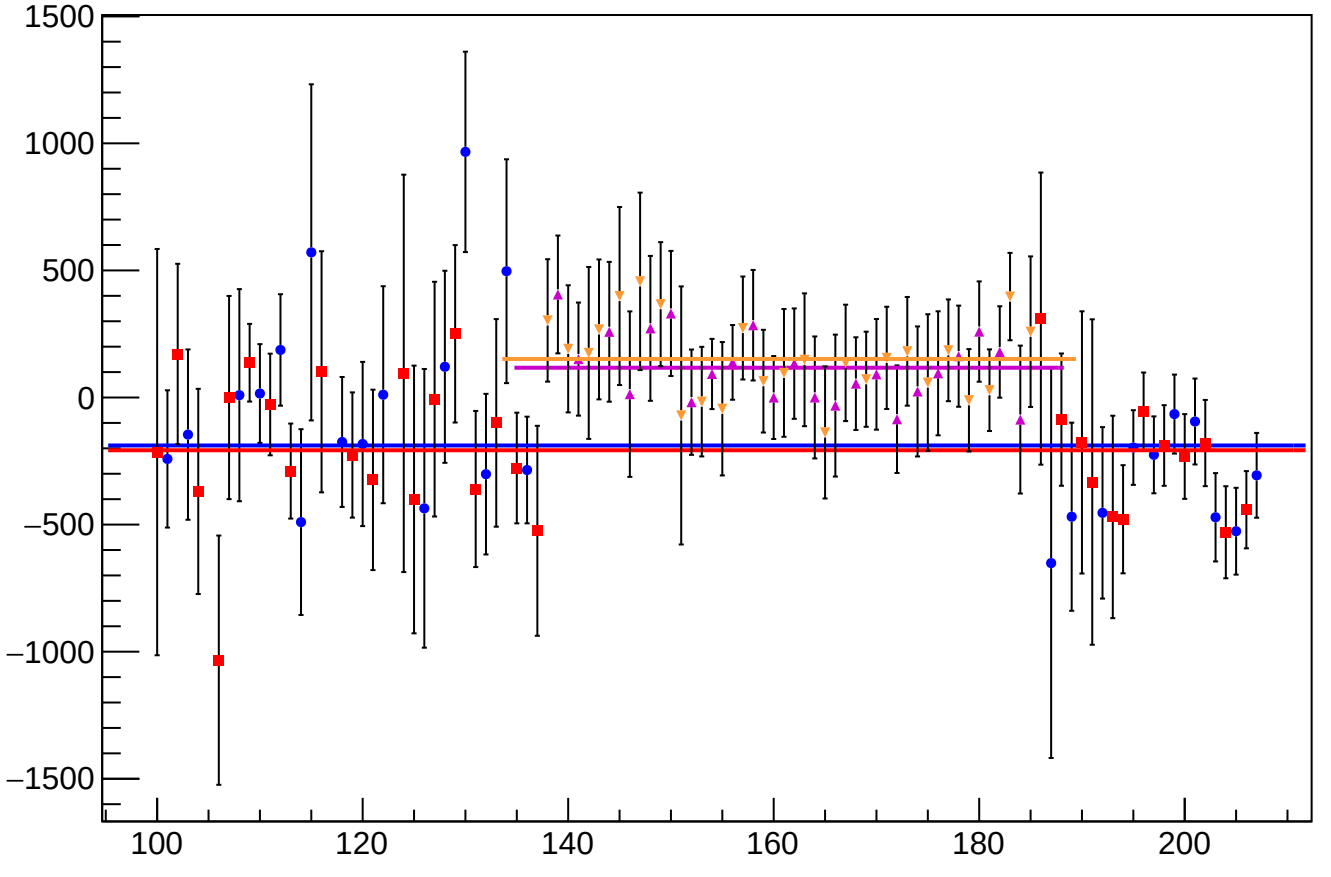
Right: 171.588+/-0.023 χ^2/NDF: 5153102.1/56

In: 175.810+/-0.023 χ^2/NDF:3902086.7/48

Out: 183.590+/-0.023 χ^2/NDF:5054636.0/55

All: 179.652+/-0.016 χ^2/NDF: 9015440.1/104

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -188.729+/-46.725 χ^2/NDF: 28.4/25

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

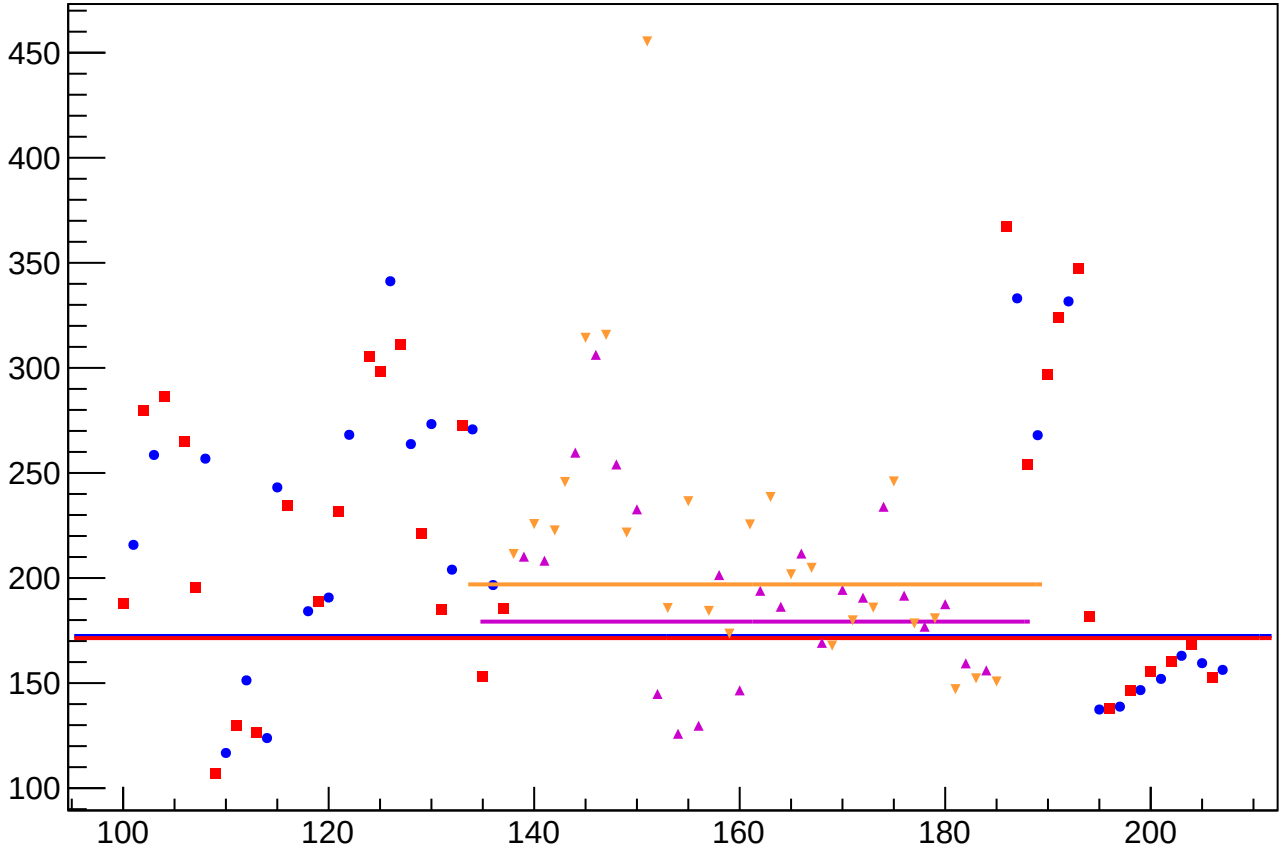
Right: -198.461+/-32.435 χ^2/NDF: 52.4/56

In: -25.833+/-31.947 χ^2/NDF:58.7/48

Out: -33.290+/-32.332 χ^2/NDF:64.4/55

All: -29.517+/-22.725 χ^2/NDF: 123.1/104

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 172.417+/-0.033 χ^2/NDF: 2200966.7/25

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

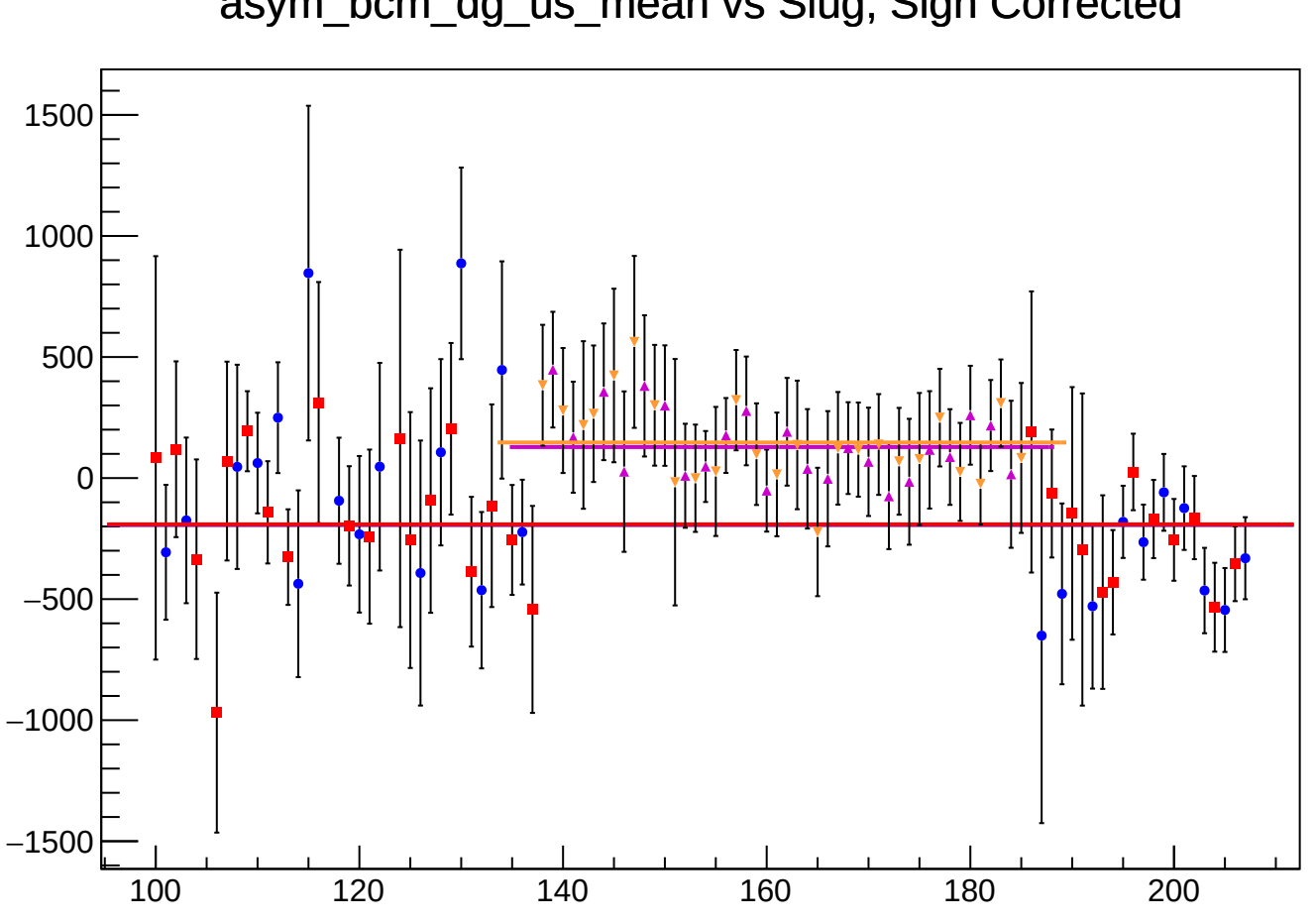
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 171.896+/-0.023 χ^2/NDF: 5098149.2/56

In: 176.059+/-0.023 χ^2/NDF:3879803.9/48

Out: 183.813+/-0.023 χ^2/NDF:5018327.4/55

All: 179.890+/-0.016 χ^2/NDF: 8956339.4/104



Right In: -193.560+/-47.791 χ^2/NDF: 30.0/25

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -191.338+/-46.293 χ^2/NDF: 22.6/30

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

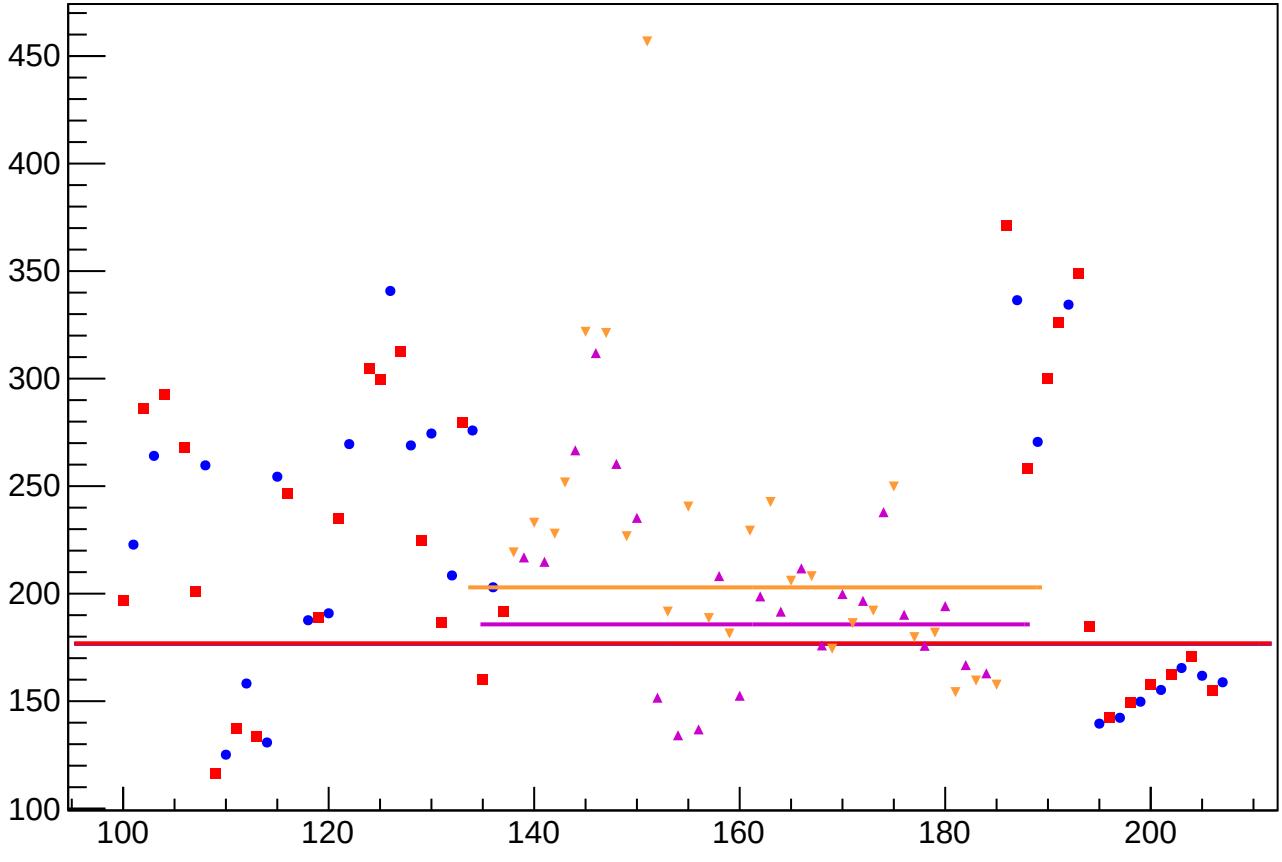
Right: -192.414+/-33.251 χ^2/NDF: 52.5/56

In: -23.742+/-32.839 χ^2/NDF:62.4/48

Out: -27.276+/-33.223 χ^2/NDF:58.7/55

All: -25.488+/-23.355 χ^2/NDF: 121.1/104

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 176.695+/-0.034 χ^2/NDF: 2114887.3/25

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

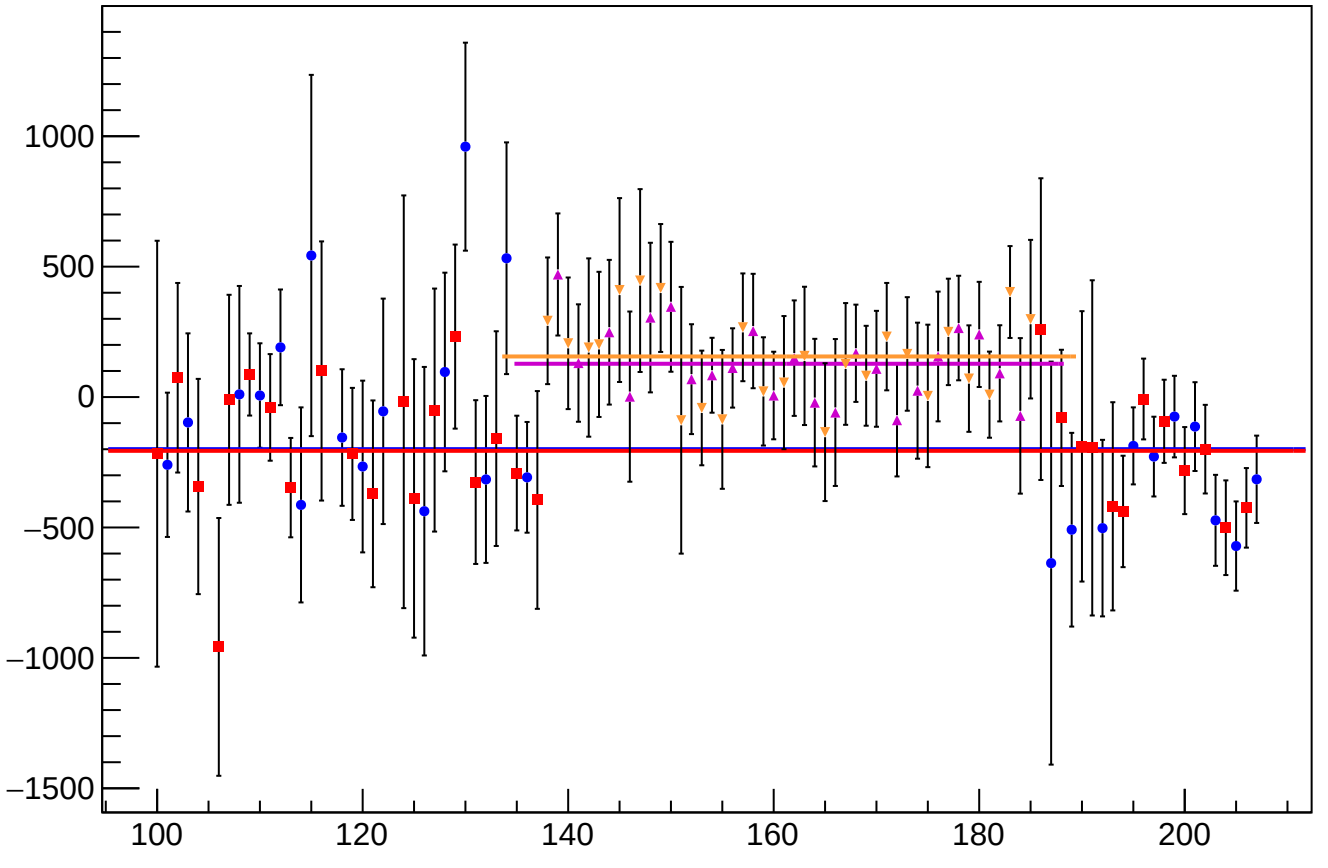
Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

Right: 176.786+/-0.024 χ^2/NDF: 4803511.2/56

In: 181.457+/-0.023 χ^2/NDF:3641984.1/48

Out: 189.503+/-0.023 χ^2/NDF:4695842.4/55

All: 185.433+/-0.017 χ^2/NDF: 8397162.8/104



Right In: -199.741+/-47.192 χ^2/NDF: 28.9/25

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

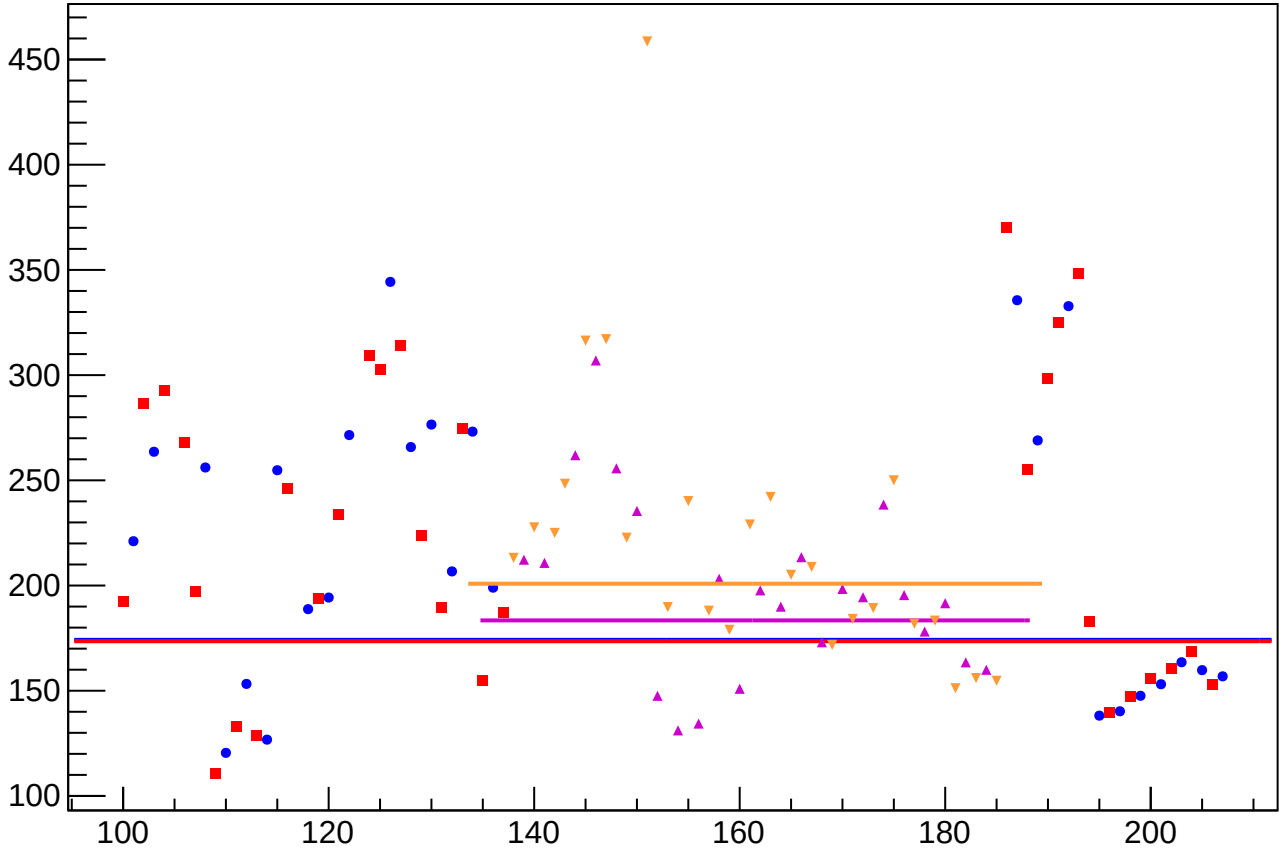
Right: -203.037+/-32.781 χ^2/NDF: 49.2/56

In: -27.160+/-32.452 χ^2/NDF:62.3/48

Out: -31.836+/-32.804 χ^2/NDF:61.3/55

All: -29.473+/-23.071 χ^2/NDF: 123.6/104

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 174.188+/-0.033 χ^2/NDF: 2198171.1/25

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

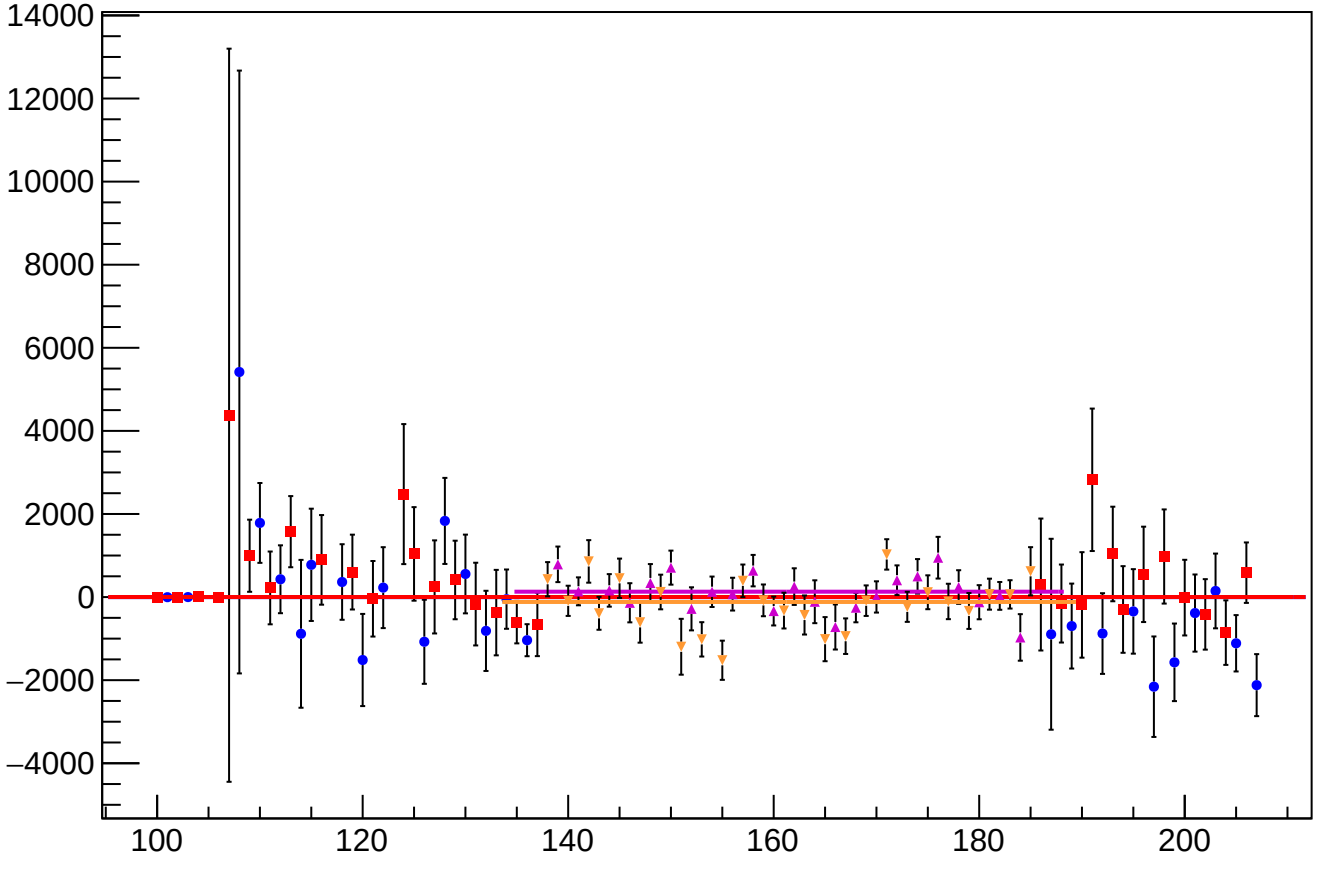
Right: 173.850+/-0.023 χ^2/NDF: 5058739.1/56

In: 179.061+/-0.023 χ^2/NDF:3769310.5/48

Out: 186.701+/-0.023 χ^2/NDF:4934355.7/55

All: 182.840+/-0.016 χ^2/NDF: 8758481.1/104

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.295+/-2.171 χ^2/NDF: 38.4/25

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

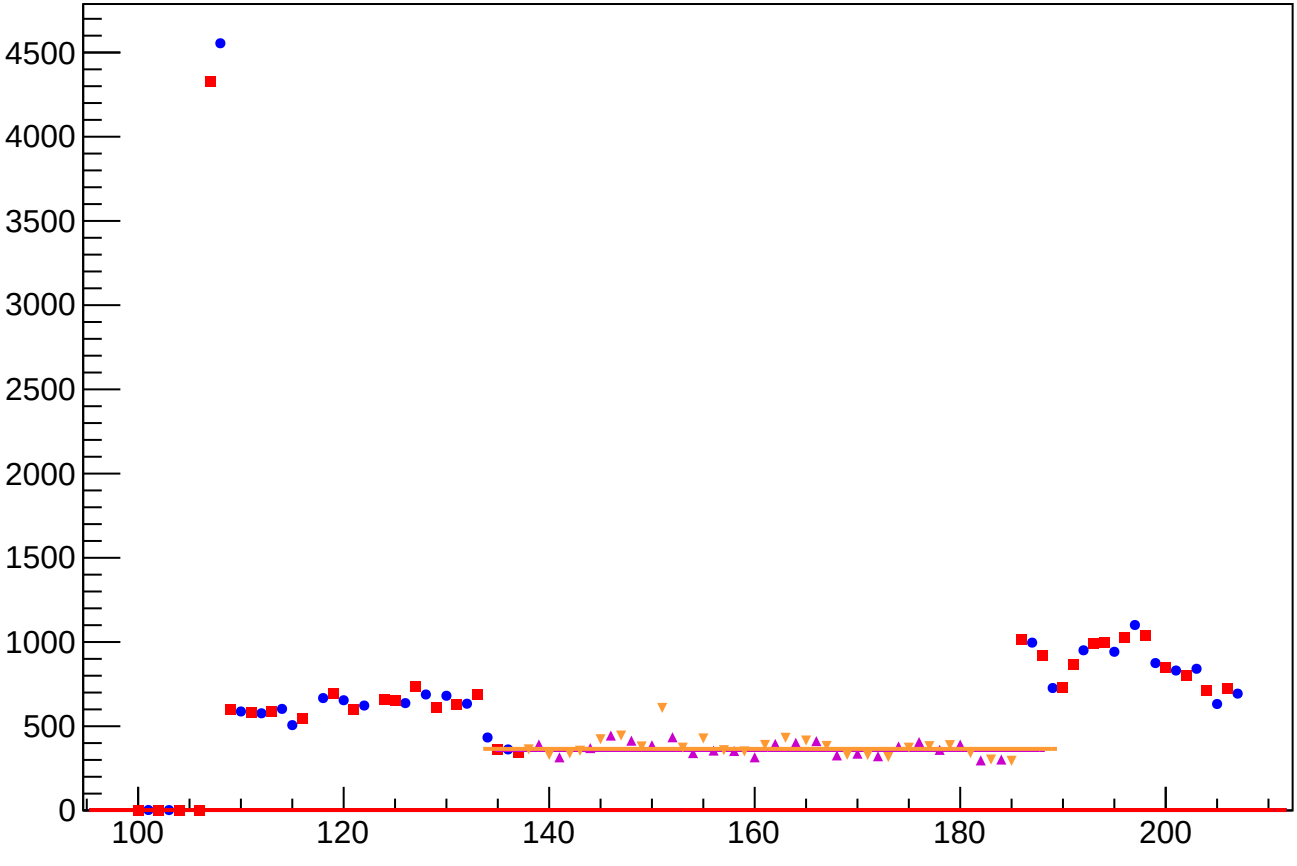
Right: 0.139+/-1.480 χ^2/NDF: 62.8/56

In: -1.209+/-2.170 χ^2/NDF:62.4/48

Out: 1.315+/-2.022 χ^2/NDF:72.0/55

All: 0.142+/-1.479 χ^2/NDF: 135.2/104

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.520+/-0.002 χ^2/NDF: 26784669.7/25

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

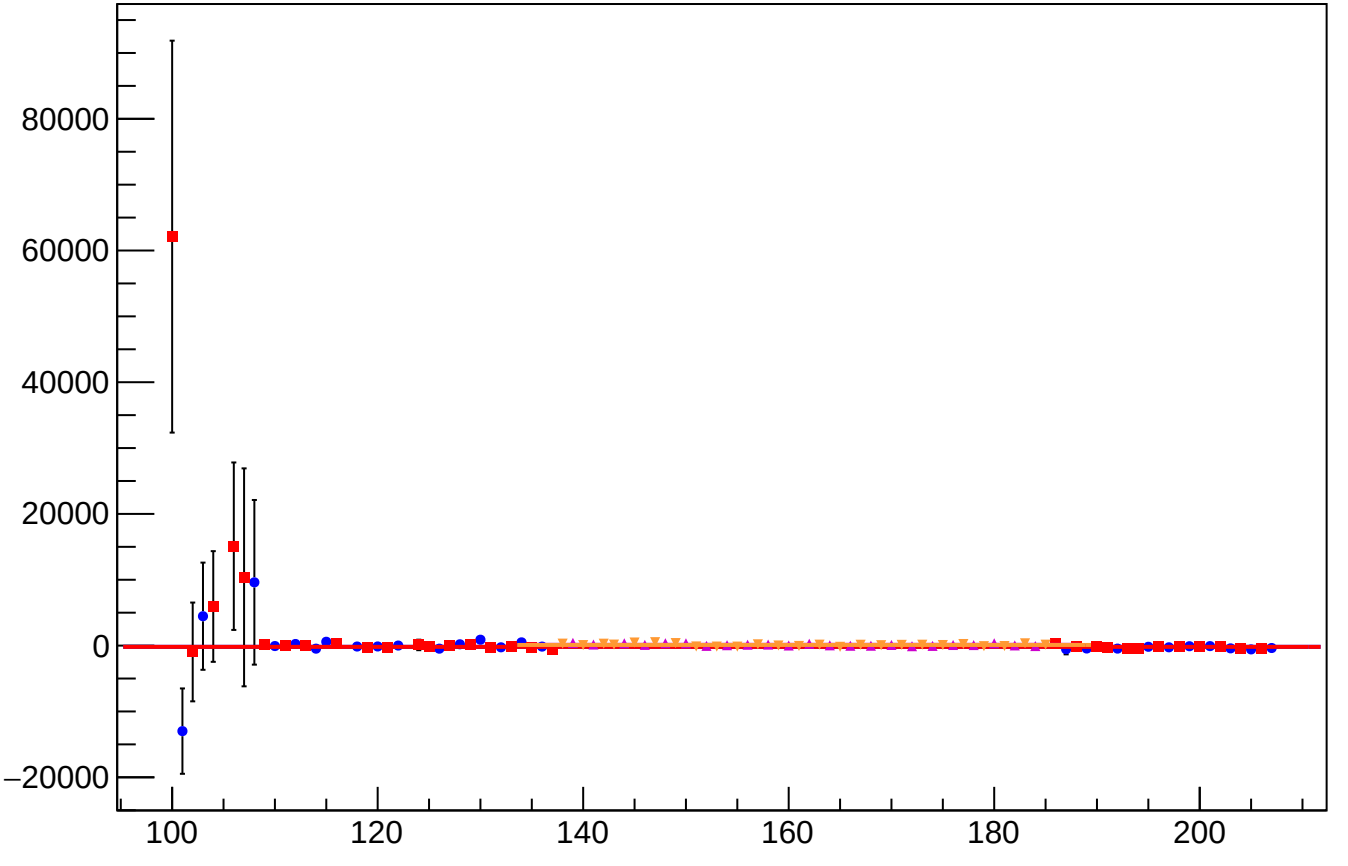
Right: 2.511+/-0.001 χ^2/NDF: 55944574.5/56

In: 2.752+/-0.002 χ^2/NDF:62328406.5/48

Out: 2.713+/-0.001 χ^2/NDF:66992541.9/55

All: 2.731+/-0.001 χ^2/NDF: 129321292.8/104

asym_cav4cQ_mean vs Slug, Sign Corrected



Right In: -186.335+/-51.705 χ^2/NDF: 30.6/25

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

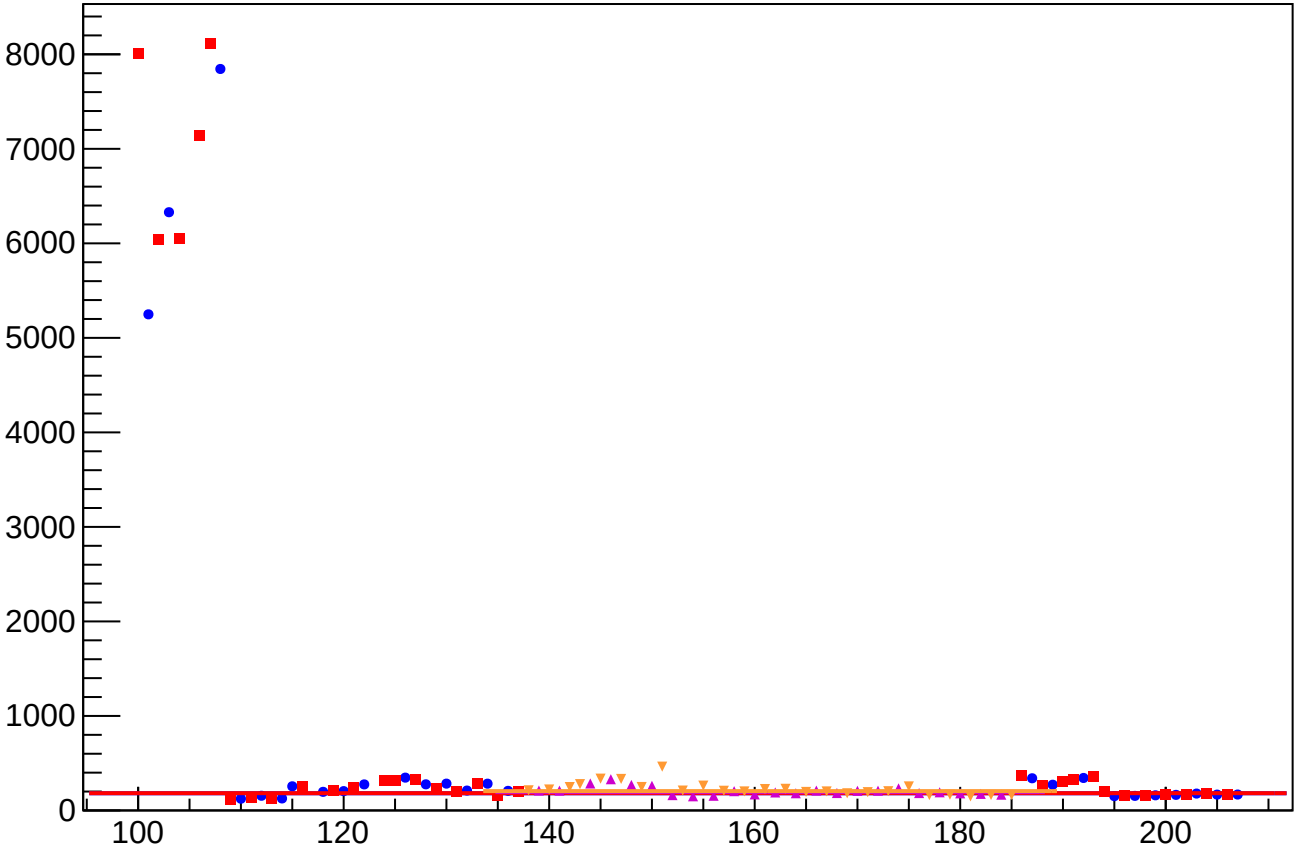
Right: -188.649+/-36.166 χ^2/NDF: 55.3/56

In: -18.818+/-34.761 χ^2/NDF:59.0/48

Out: -38.716+/-34.921 χ^2/NDF:54.8/55

All: -28.721+/-24.636 χ^2/NDF: 113.9/104

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 181.666+/-0.037 χ^2/NDF: 4847147.8/25

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

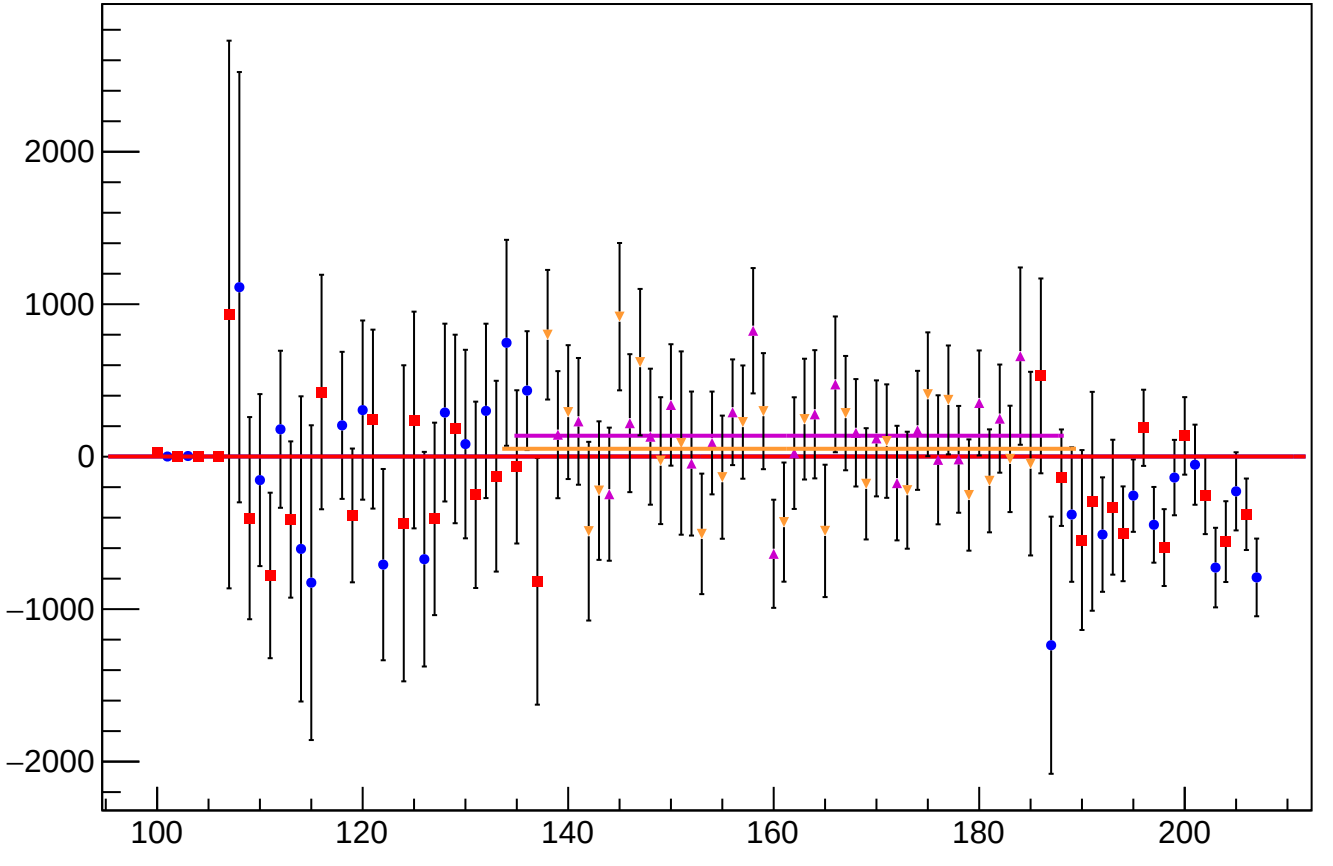
Right: 182.221+/-0.026 χ^2/NDF: 10373699.6/56

In: 188.368+/-0.025 χ^2/NDF:6100051.4/48

Out: 194.186+/-0.025 χ^2/NDF:7696149.2/55

All: 191.264+/-0.017 χ^2/NDF: 13824090.5/10

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.322+/-1.660 χ^2/NDF: 35.7/25

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

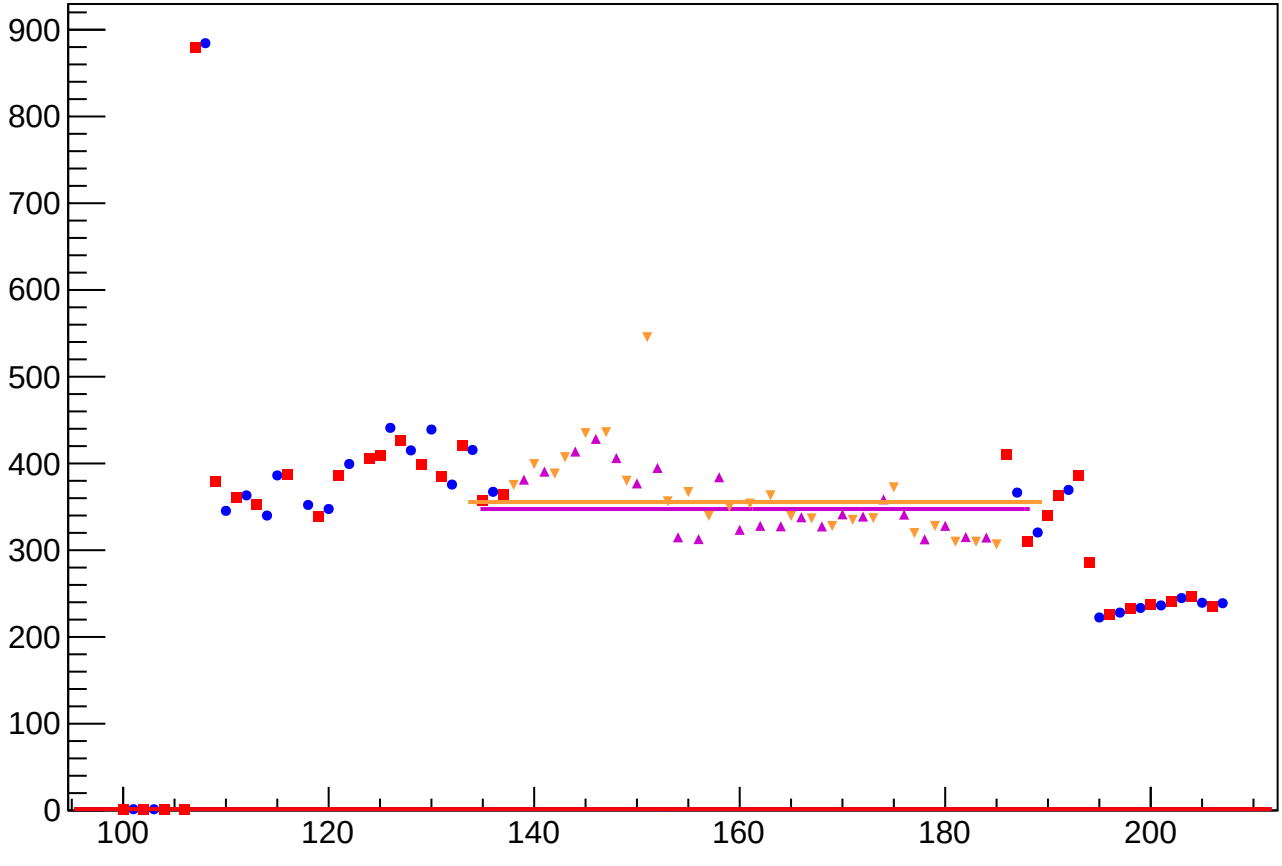
Right: 1.157+/-1.124 χ^2/NDF: 64.5/56

In: 1.377+/-1.660 χ^2/NDF:50.6/48

Out: 1.036+/-1.527 χ^2/NDF:48.6/55

All: 1.193+/-1.124 χ^2/NDF: 99.3/104

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.554+/-0.001 χ^2/NDF: 27027583.6/25

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

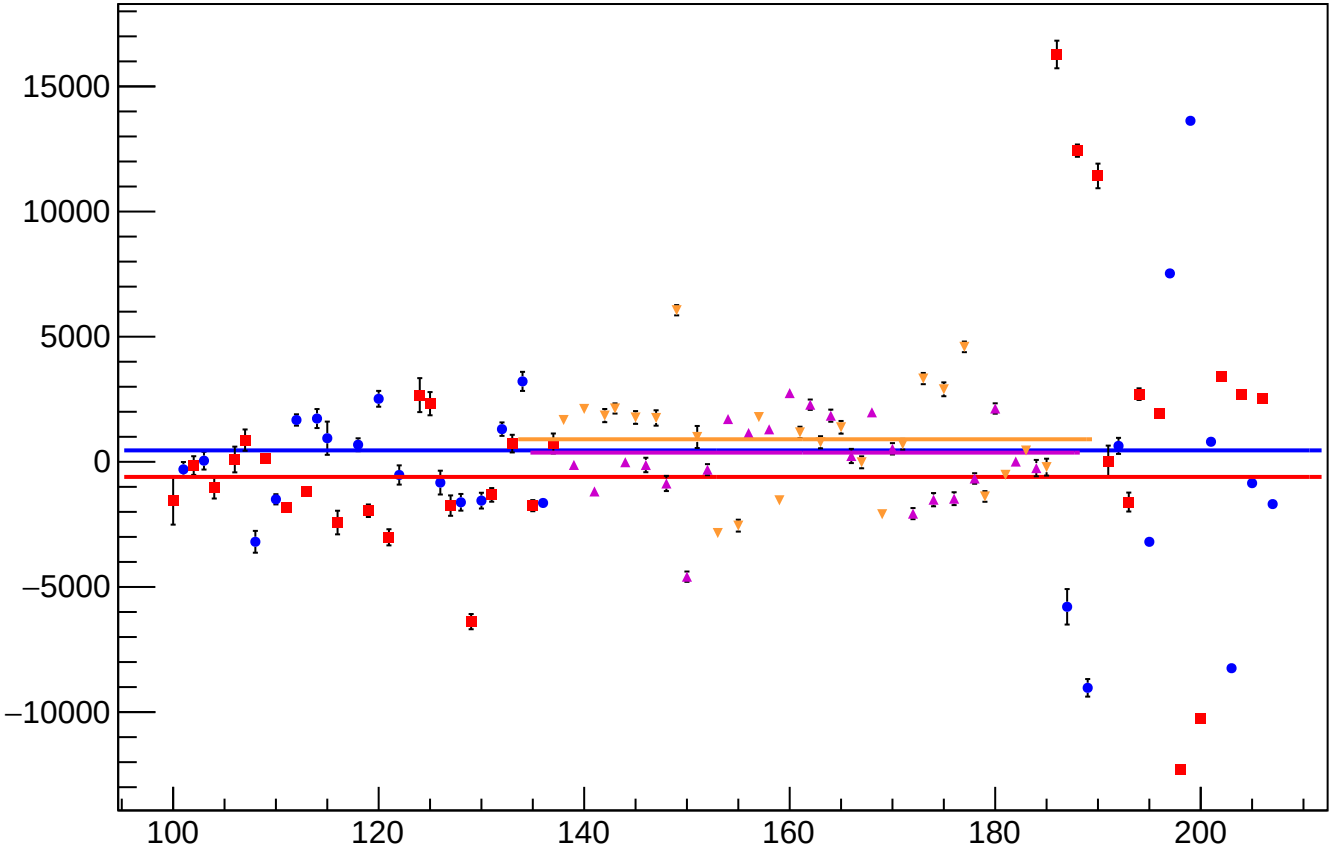
Right: 1.549+/-0.001 χ^2/NDF: 55867573.5/56

In: 1.695+/-0.001 χ^2/NDF:62855673.4/48

Out: 1.668+/-0.001 χ^2/NDF:67035863.3/55

All: 1.681+/-0.001 χ^2/NDF: 129891822.8/104

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 457.306+/-49.009 χ^2/NDF: 11490.0/25

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

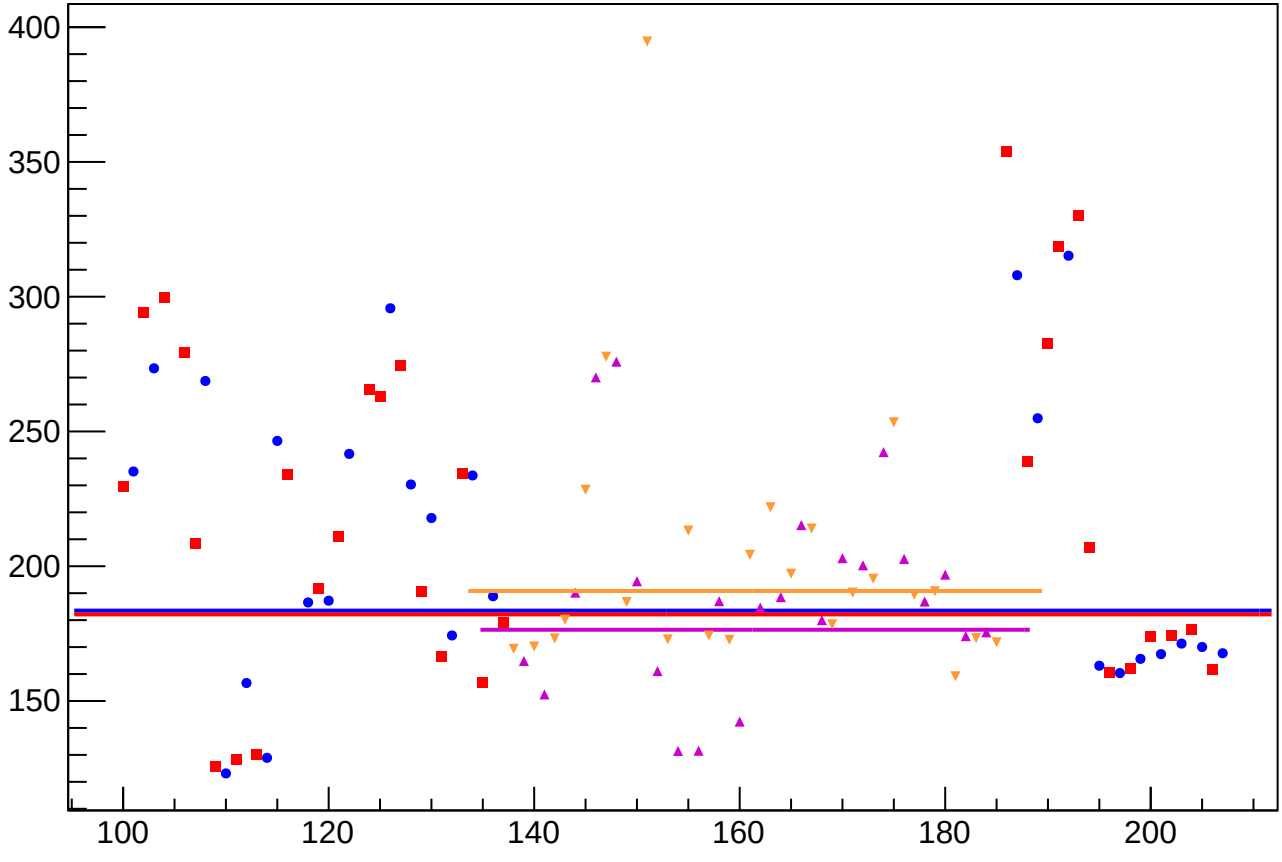
Right: -93.767+/-33.963 χ^2/NDF: 25461.2/56

In: 406.682+/-32.194 χ^2/NDF:13084.9/48

Out: 192.403+/-32.343 χ^2/NDF:16678.1/55

All: 300.035+/-22.817 χ^2/NDF: 29785.0/104

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 183.531+/-0.035 χ^2/NDF: 1404728.4/25

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

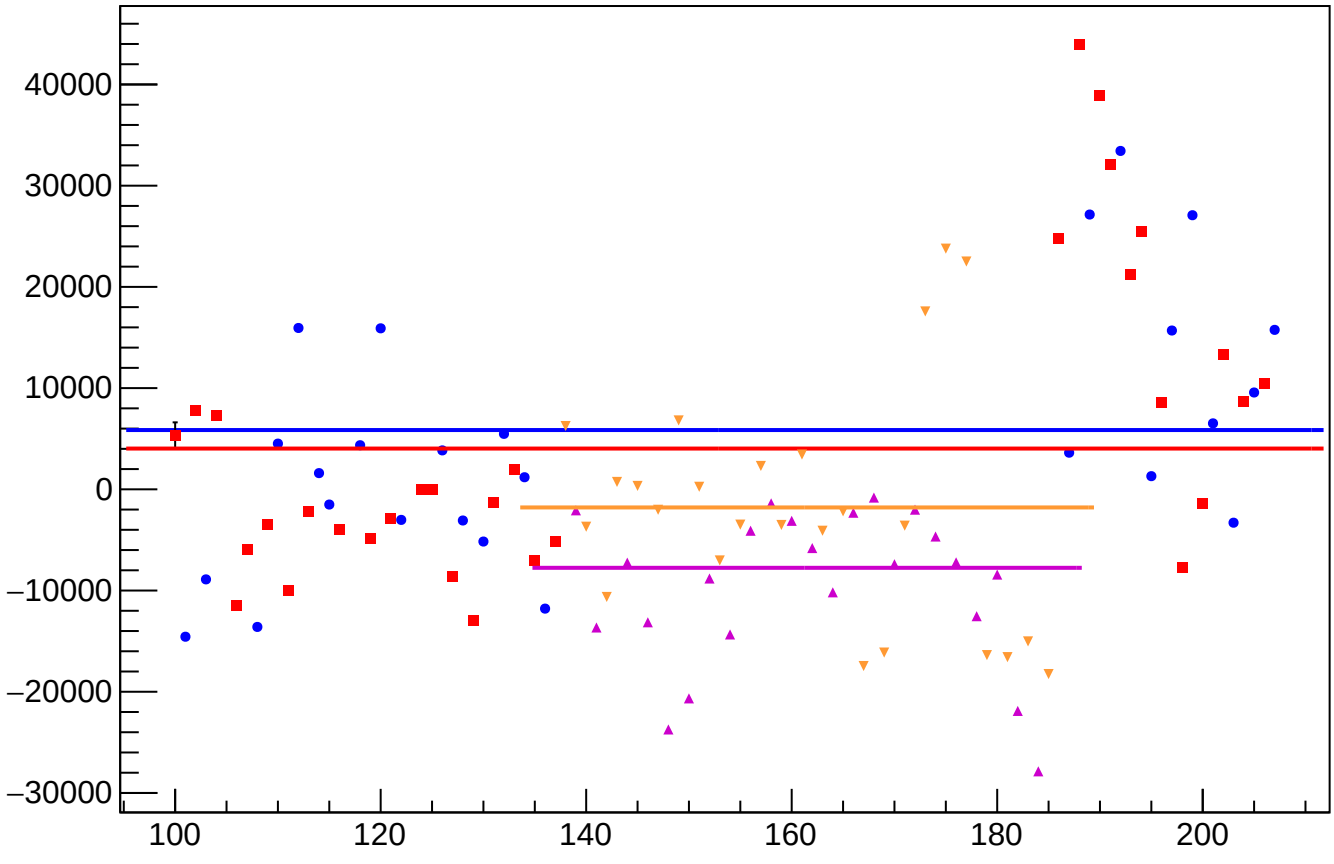
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 182.799+/-0.024 χ^2/NDF: 3546554.1/56

In: 179.495+/-0.023 χ^2/NDF:2686252.3/48

Out: 186.711+/-0.023 χ^2/NDF:3196444.0/55

All: 183.086+/-0.016 χ^2/NDF: 5932699.5/104



Right In: 5856.968+/-41.796 χ^2/NDF: 92564.5/25

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4027.617+/-39.615 χ^2/NDF: 137269.9/30

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

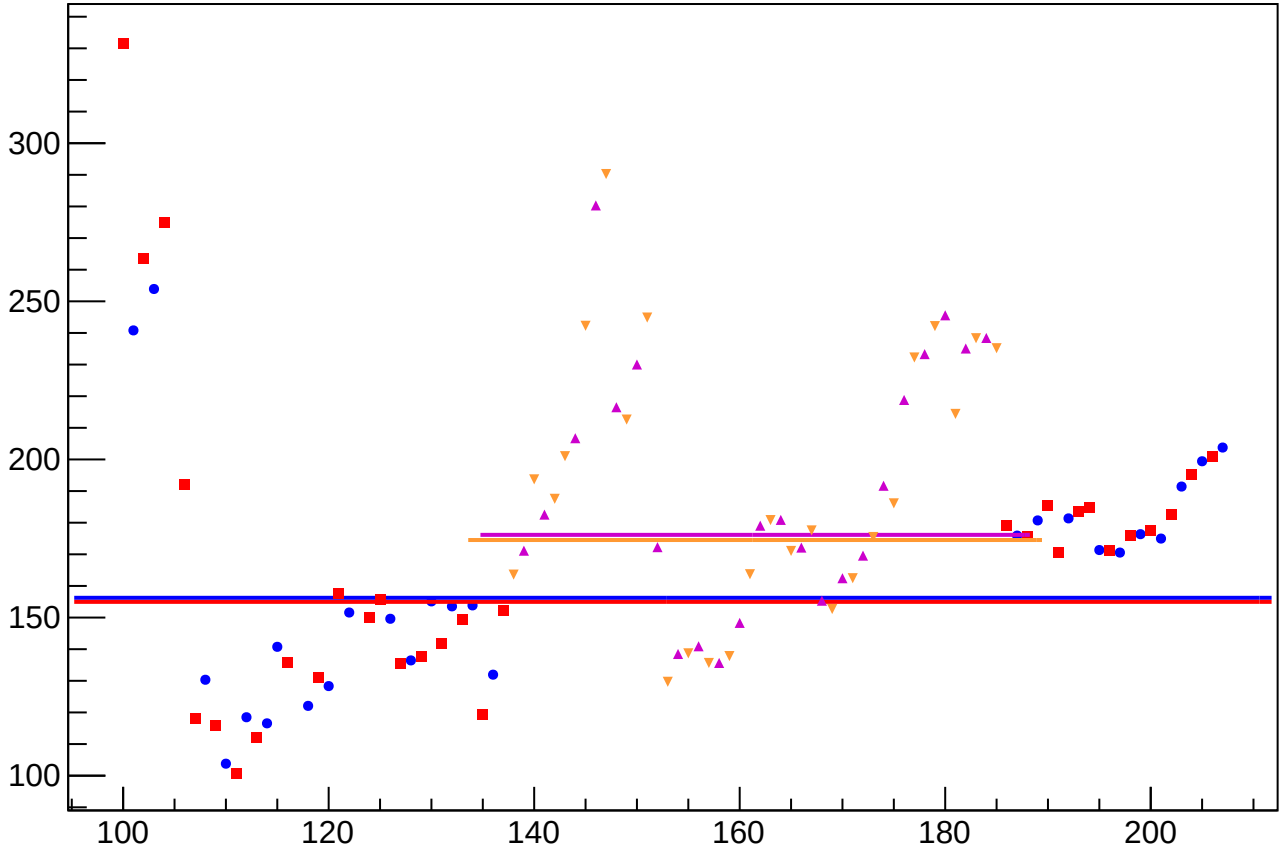
Right: 4893.334+/-28.752 χ^2/NDF: 230843.5/56

In: -823.639+/-29.824 χ^2/NDF:167897.1/48

Out: 1212.186+/-28.459 χ^2/NDF:213453.1/55

All: 241.941+/-20.589 χ^2/NDF: 383789.0/104

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 156.249+/-0.030 χ^2/NDF: 1231226.6/25

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

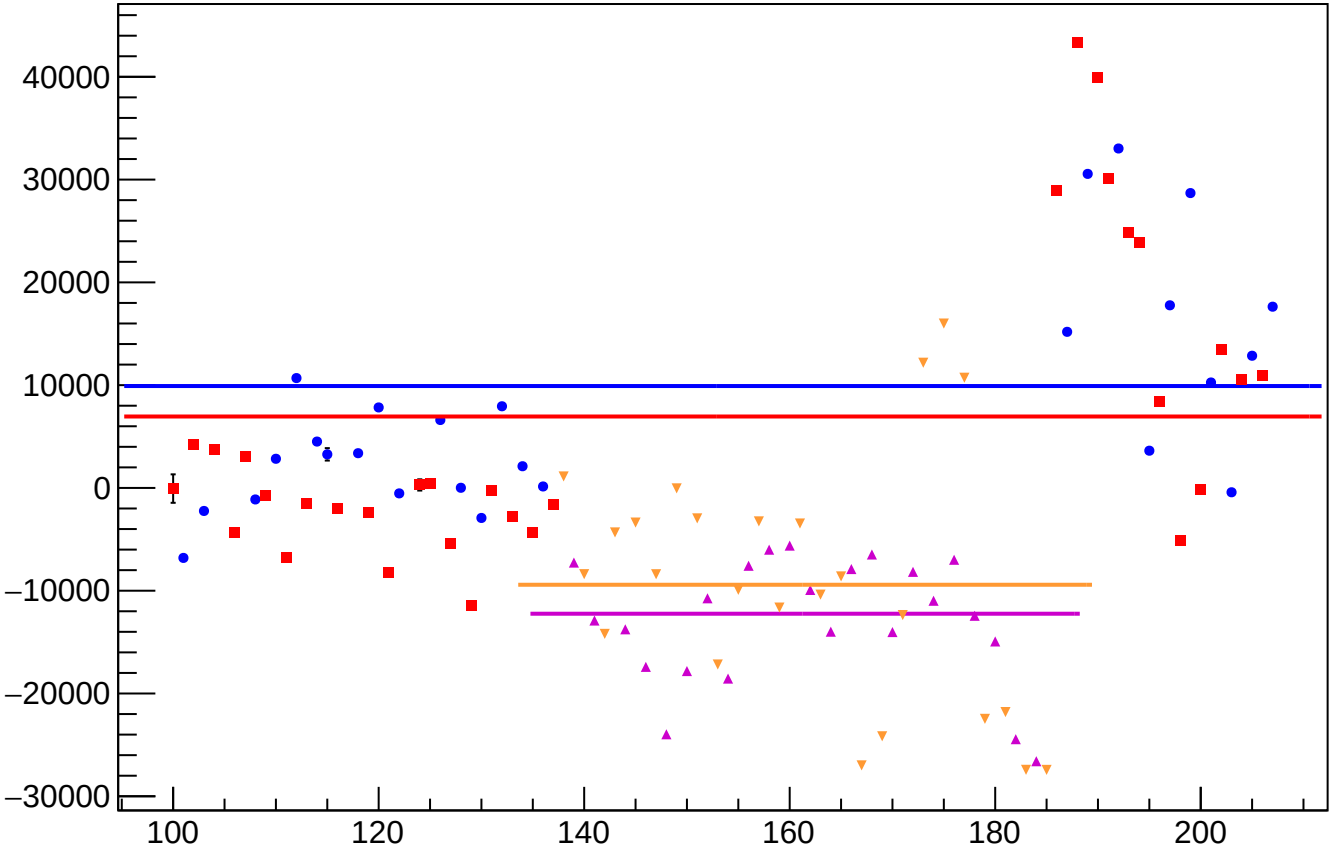
Right: 155.574+/-0.020 χ^2/NDF: 2843267.6/56

In: 166.019+/-0.021 χ^2/NDF:2820936.6/48

Out: 164.430+/-0.020 χ^2/NDF:3506284.5/55

All: 165.187+/-0.015 χ^2/NDF: 6330191.8/104

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9914.055+/-46.919 χ^2/NDF: 52836.7/25

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

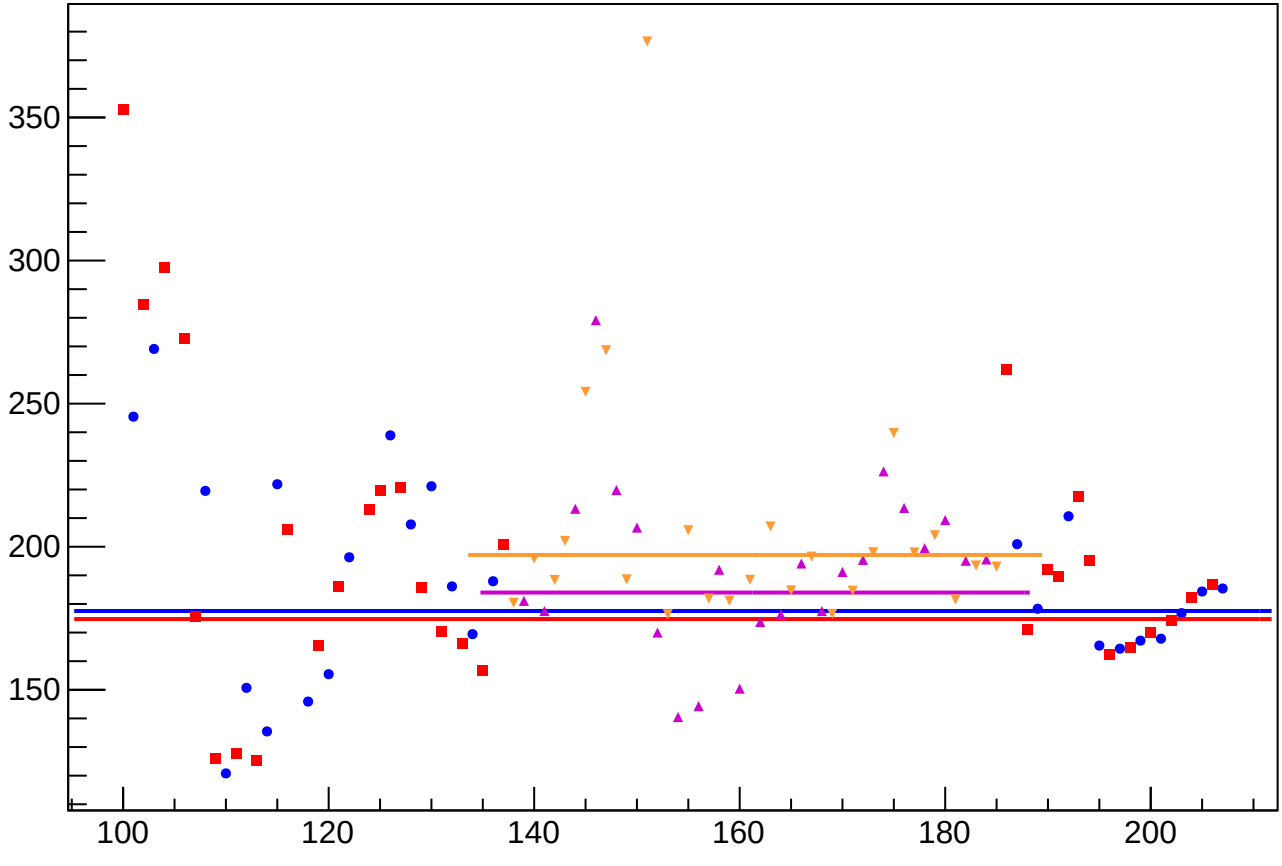
Right: 8347.789+/-32.219 χ^2/NDF: 160755.1/56

In: -1824.005+/-32.171 χ^2/NDF:186973.2/48

Out: -984.488+/-31.815 χ^2/NDF:236657.1/55

All: -1399.583+/-22.621 χ^2/NDF: 423974.6/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.541+/-0.033 χ^2/NDF: 765716.3/25

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

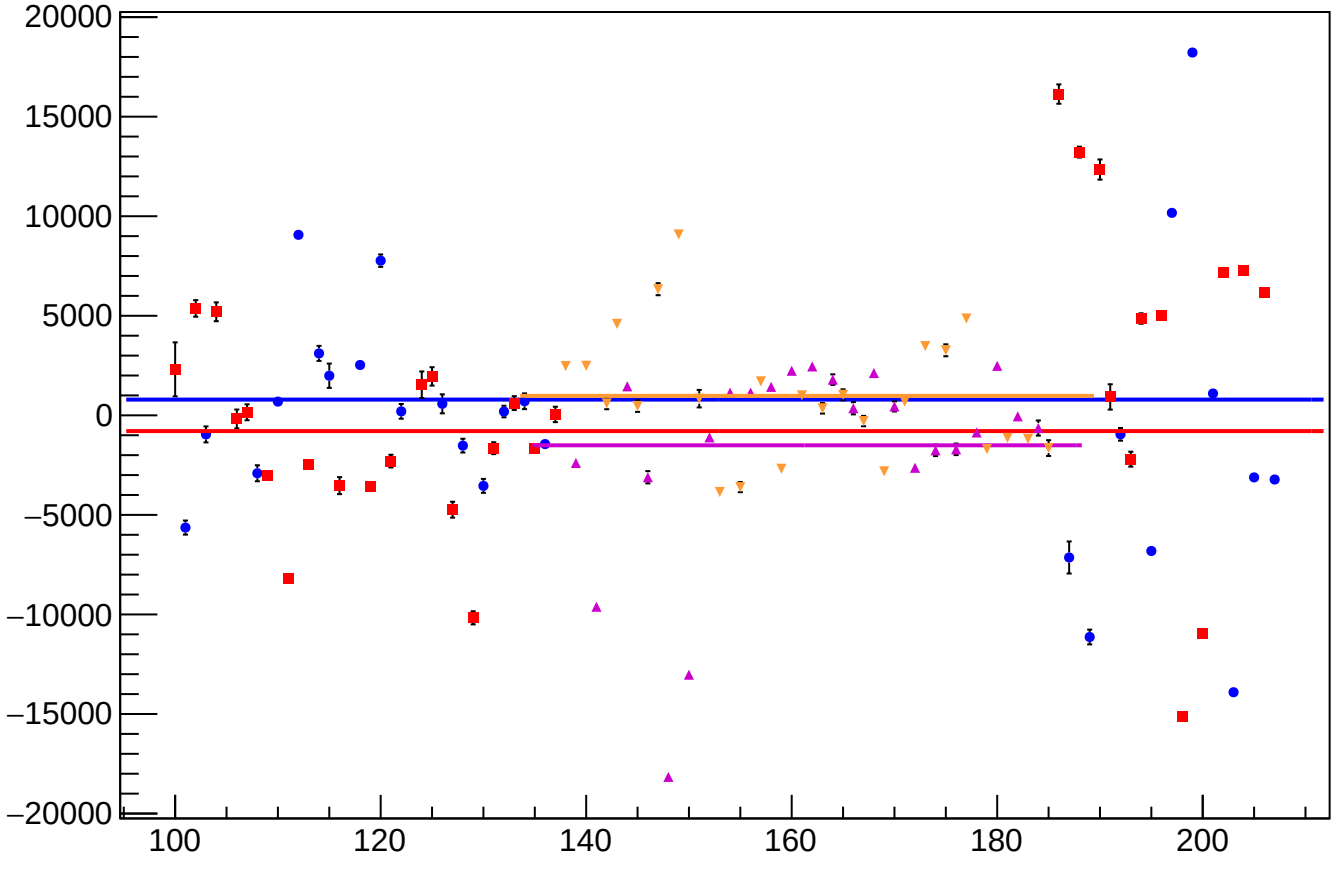
Right: 176.051+/-0.023 χ^2/NDF: 1975690.8/56

In: 180.956+/-0.023 χ^2/NDF:1615484.9/48

Out: 185.579+/-0.022 χ^2/NDF:2186321.2/55

All: 183.293+/-0.016 χ^2/NDF: 3822691.0/104

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 790.509+/-52.909 χ^2/NDF: 21040.5/25

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

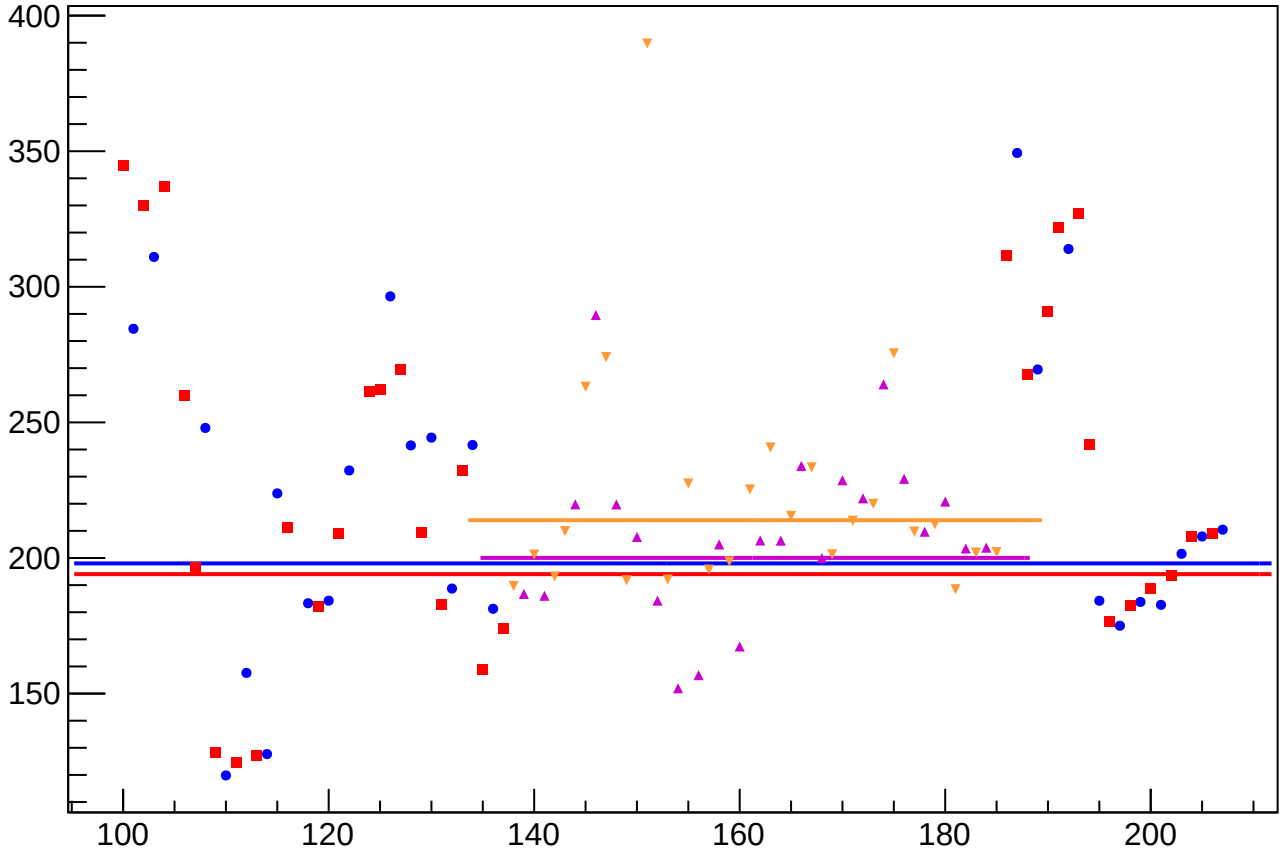
Right: -42.759+/-36.398 χ^2/NDF: 42412.4/56

In: -467.497+/-35.571 χ^2/NDF:33552.7/48

Out: 103.154+/-35.268 χ^2/NDF:25853.5/55

All: -179.732+/-25.045 χ^2/NDF: 59536.0/104

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.998+/-0.037 χ^2/NDF: 1451496.1/25

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

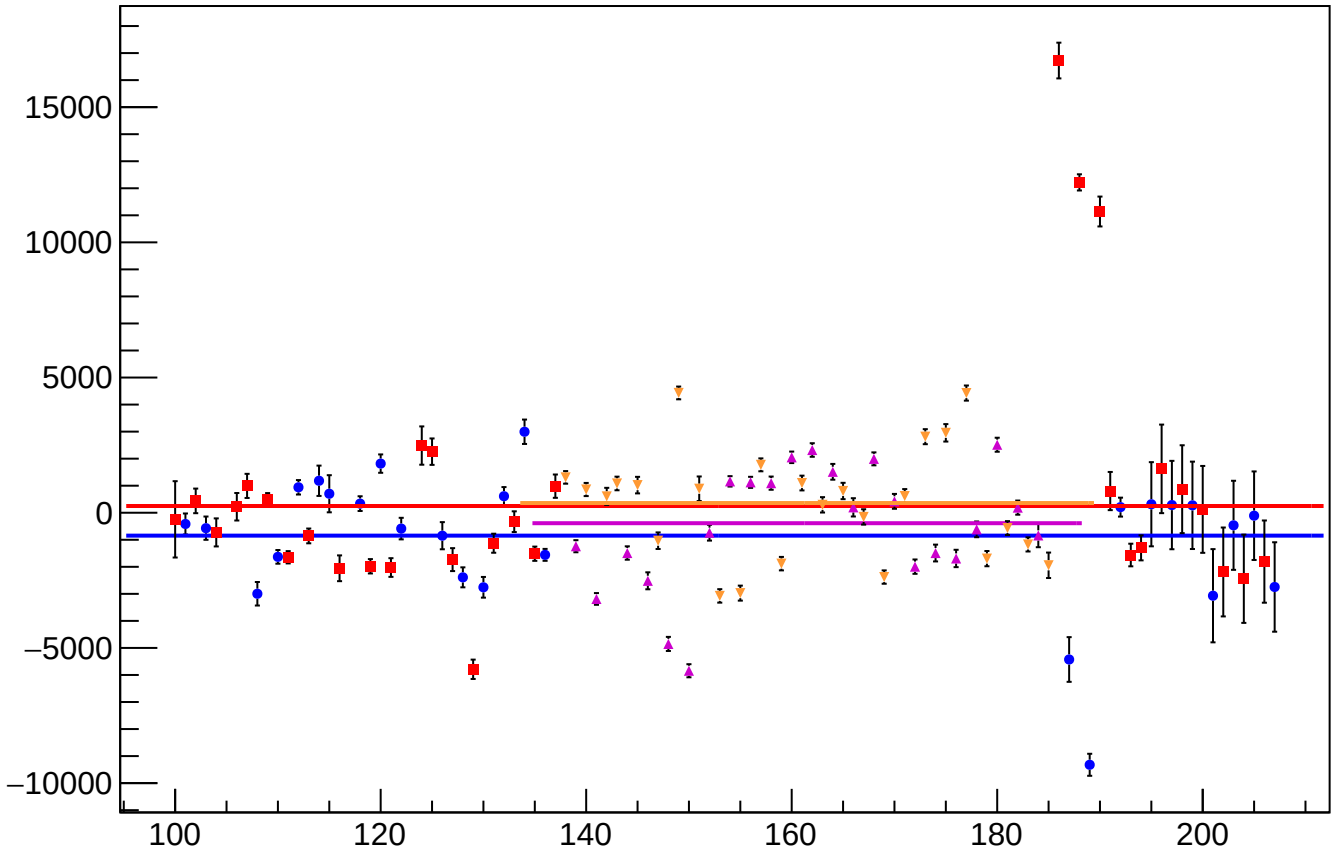
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.911+/-0.026 χ^2/NDF: 3711760.9/56

In: 199.112+/-0.025 χ^2/NDF:2238639.1/48

Out: 204.092+/-0.025 χ^2/NDF:3147097.4/55

All: 201.623+/-0.018 χ^2/NDF: 5405503.5/104



Right In: -846.748+/-81.287 χ^2/NDF: 801.0/25

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

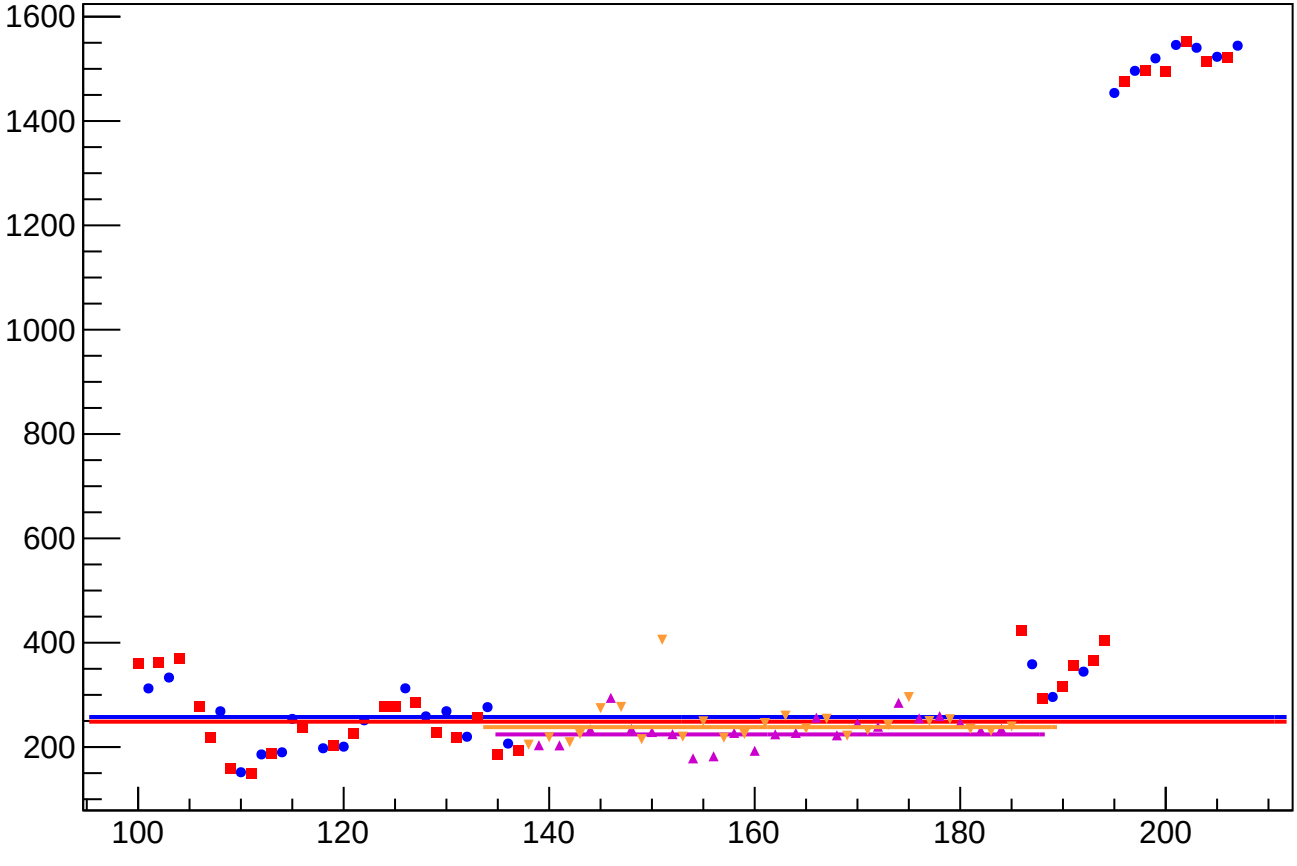
Right: -245.513+/-54.604 χ^2/NDF: 4176.4/56

In: -526.021+/-44.706 χ^2/NDF:2627.5/48

Out: 319.416+/-44.077 χ^2/NDF:4696.0/55

All: -97.313+/-31.387 χ^2/NDF: 7504.8/104

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 257.586+/-0.057 χ^2/NDF: 9399141.9/25

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

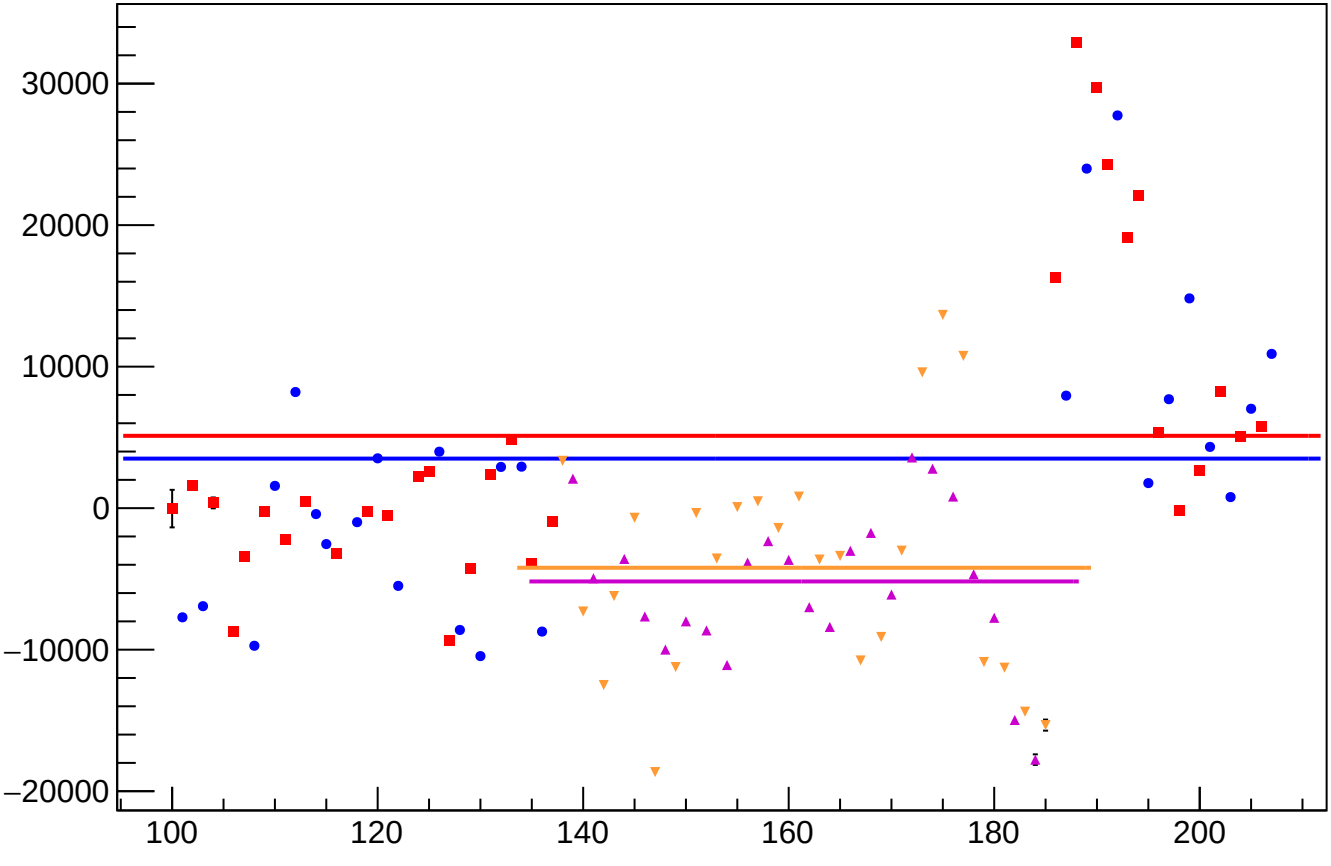
Right: 252.673+/-0.039 χ^2/NDF: 18779049.7/56

In: 234.307+/-0.032 χ^2/NDF:10197540.7/48

Out: 241.930+/-0.031 χ^2/NDF:9960266.5/55

All: 238.172+/-0.022 χ^2/NDF: 20187294.2/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3502.114+/-35.473 χ^2/NDF: 77968.6/25

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

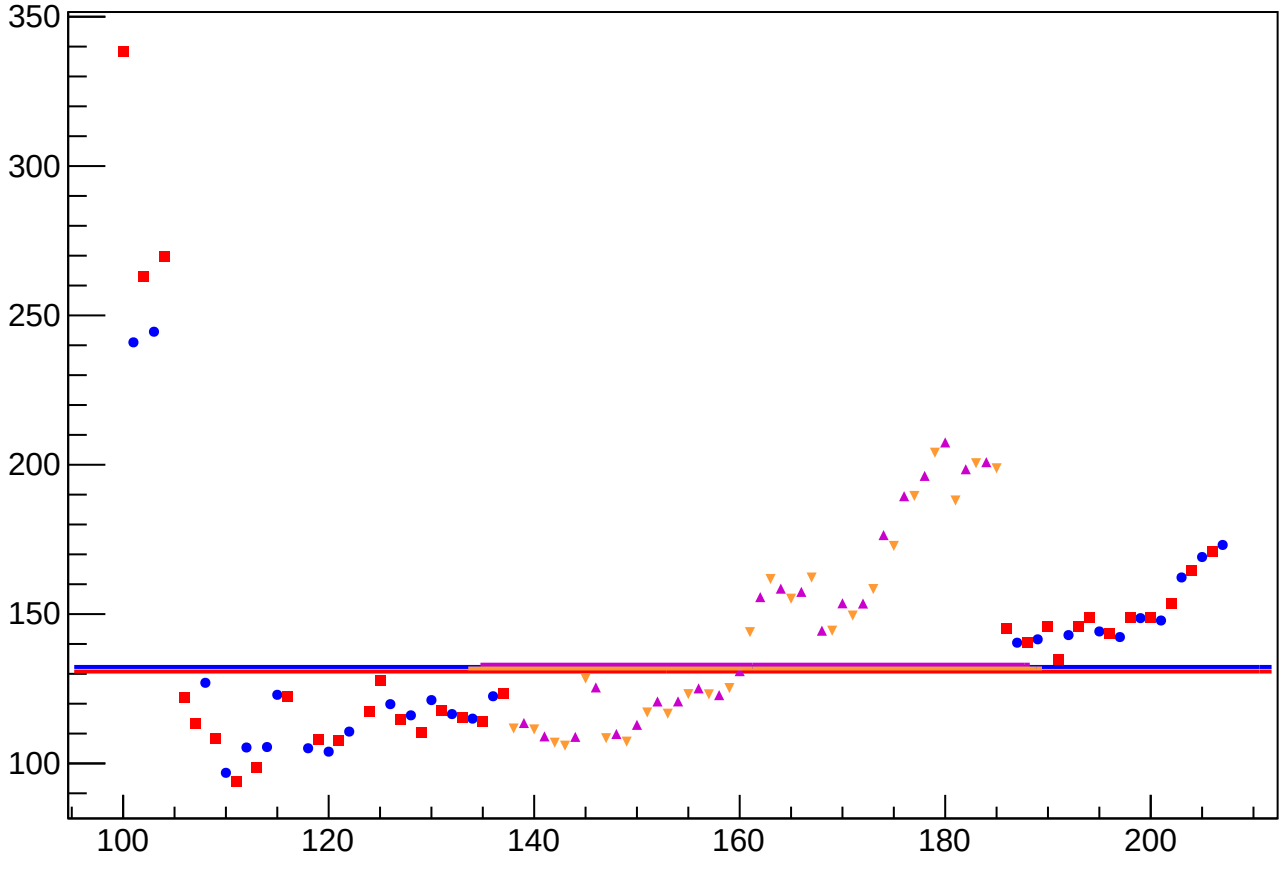
Right: 4355.193+/-24.318 χ^2/NDF: 181963.3/56

In: -1287.764+/-23.748 χ^2/NDF:129552.1/48

Out: 77.591+/-22.654 χ^2/NDF:201768.5/55

All: -572.915+/-16.392 χ^2/NDF: 333051.2/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 132.306+/-0.025 χ^2/NDF: 1222069.7/25

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

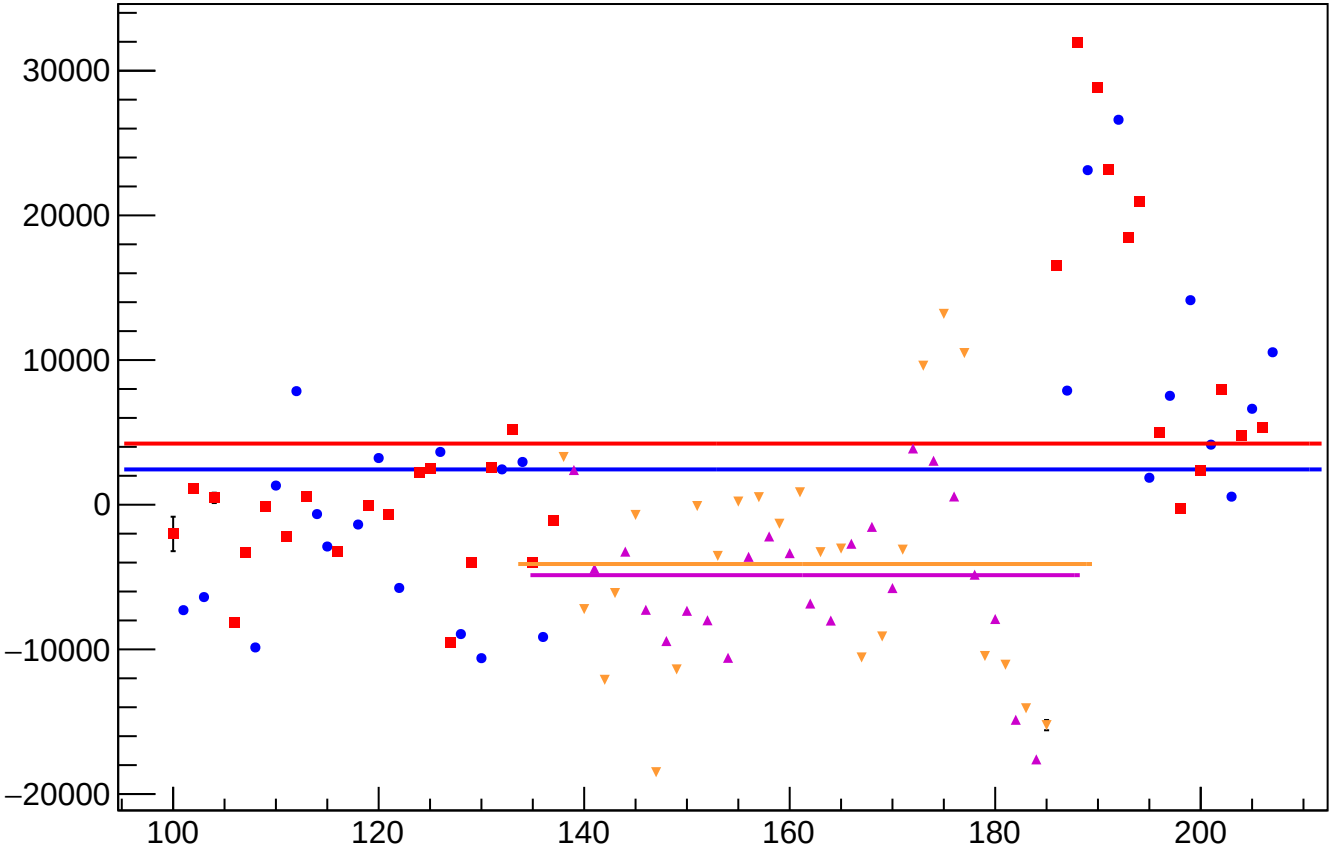
Right: 131.490+/-0.017 χ^2/NDF: 2669833.4/56

In: 132.723+/-0.017 χ^2/NDF:2640821.8/48

Out: 131.323+/-0.016 χ^2/NDF:2991135.6/55

All: 131.990+/-0.012 χ^2/NDF: 5635594.4/104

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 2439.945+/-32.382 χ^2/NDF: 85446.8/25

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

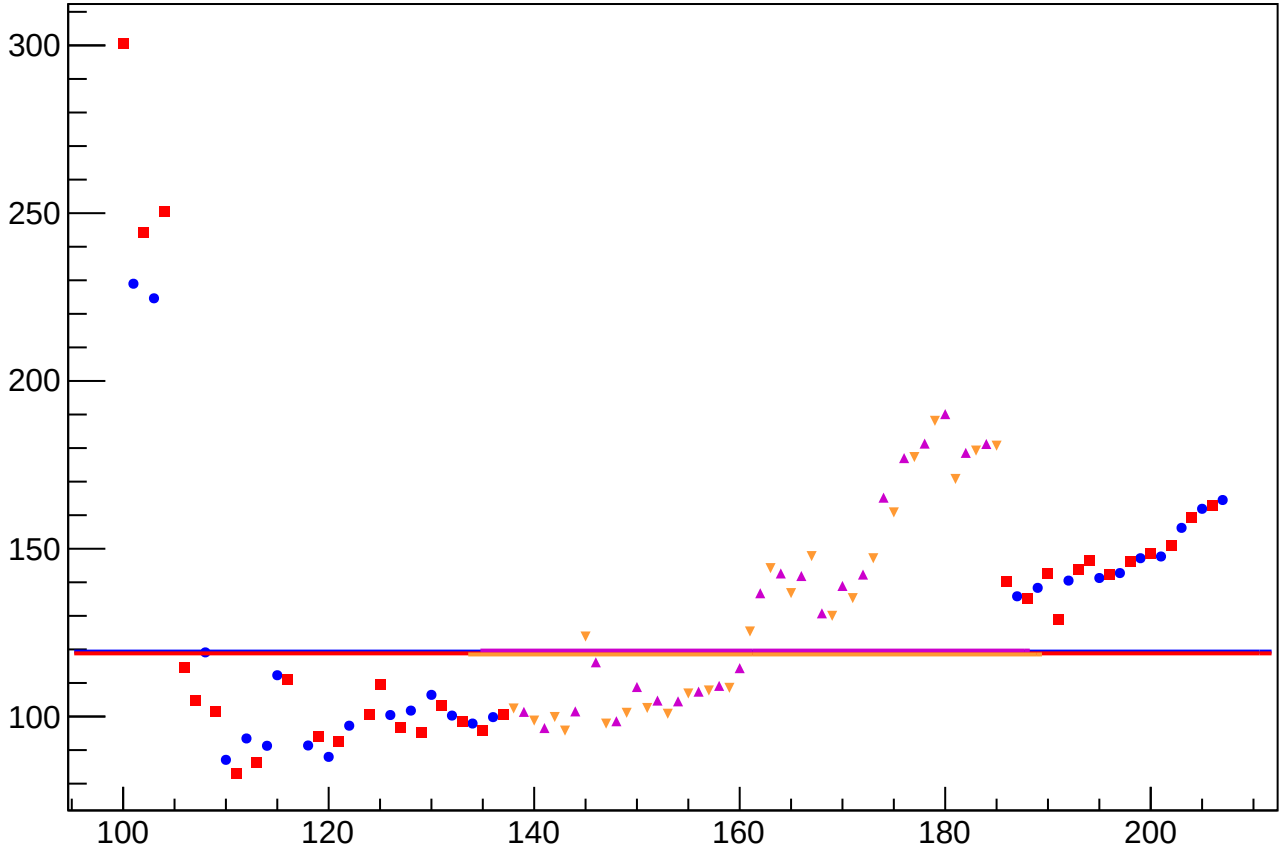
Right: 3380.630+/-22.278 χ^2/NDF: 195692.9/56

In: -1640.278+/-21.524 χ^2/NDF:135803.6/48

Out: -351.976+/-20.594 χ^2/NDF:215359.4/55

All: -967.708+/-14.880 χ^2/NDF: 353033.3/10

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 119.350+/-0.023 χ^2/NDF: 1789572.1/25

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

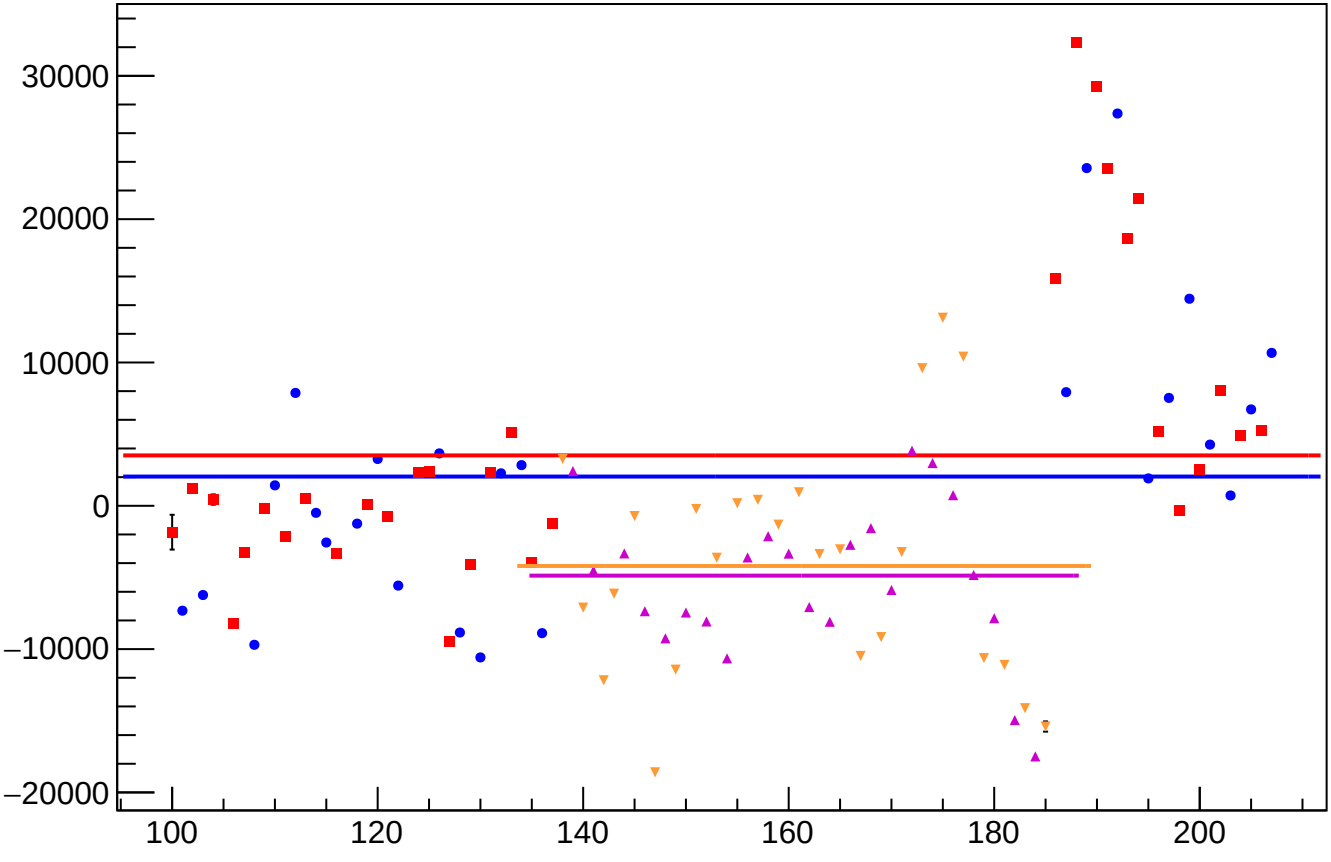
Right: 119.071+/-0.016 χ^2/NDF: 3821785.9/56

In: 119.514+/-0.015 χ^2/NDF:3302045.4/48

Out: 118.646+/-0.015 χ^2/NDF:3659192.0/55

All: 119.061+/-0.011 χ^2/NDF: 6962938.5/104

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 2040.196+/-31.910 χ^2/NDF: 84351.6/25

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

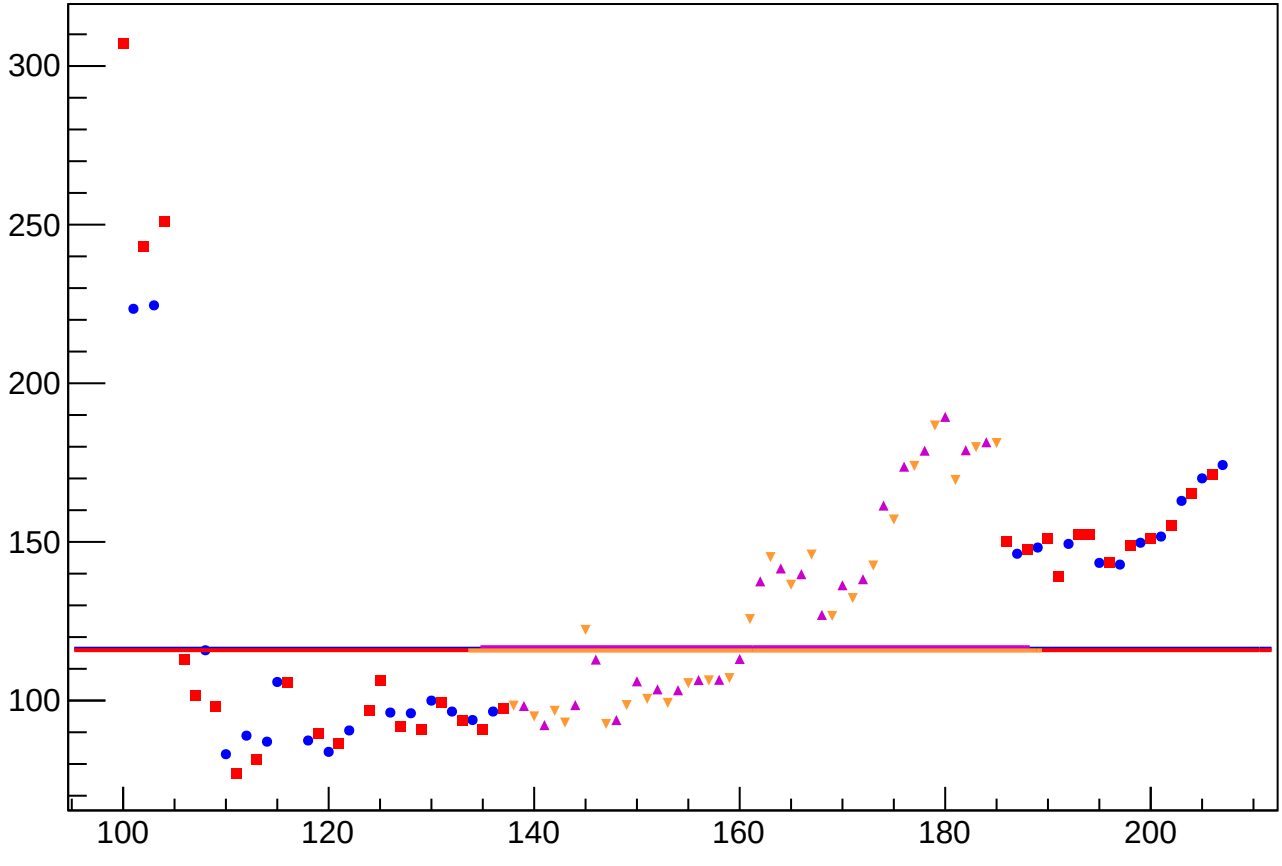
Right: 2816.362+/-21.973 χ^2/NDF: 187498.8/56

In: -1841.500+/-21.131 χ^2/NDF:133629.9/48

Out: -753.956+/-20.246 χ^2/NDF:208311.2/55

All: -1274.469+/-14.619 χ^2/NDF: 343322.1/1

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 116.338+/-0.023 χ^2/NDF: 2276208.9/25

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

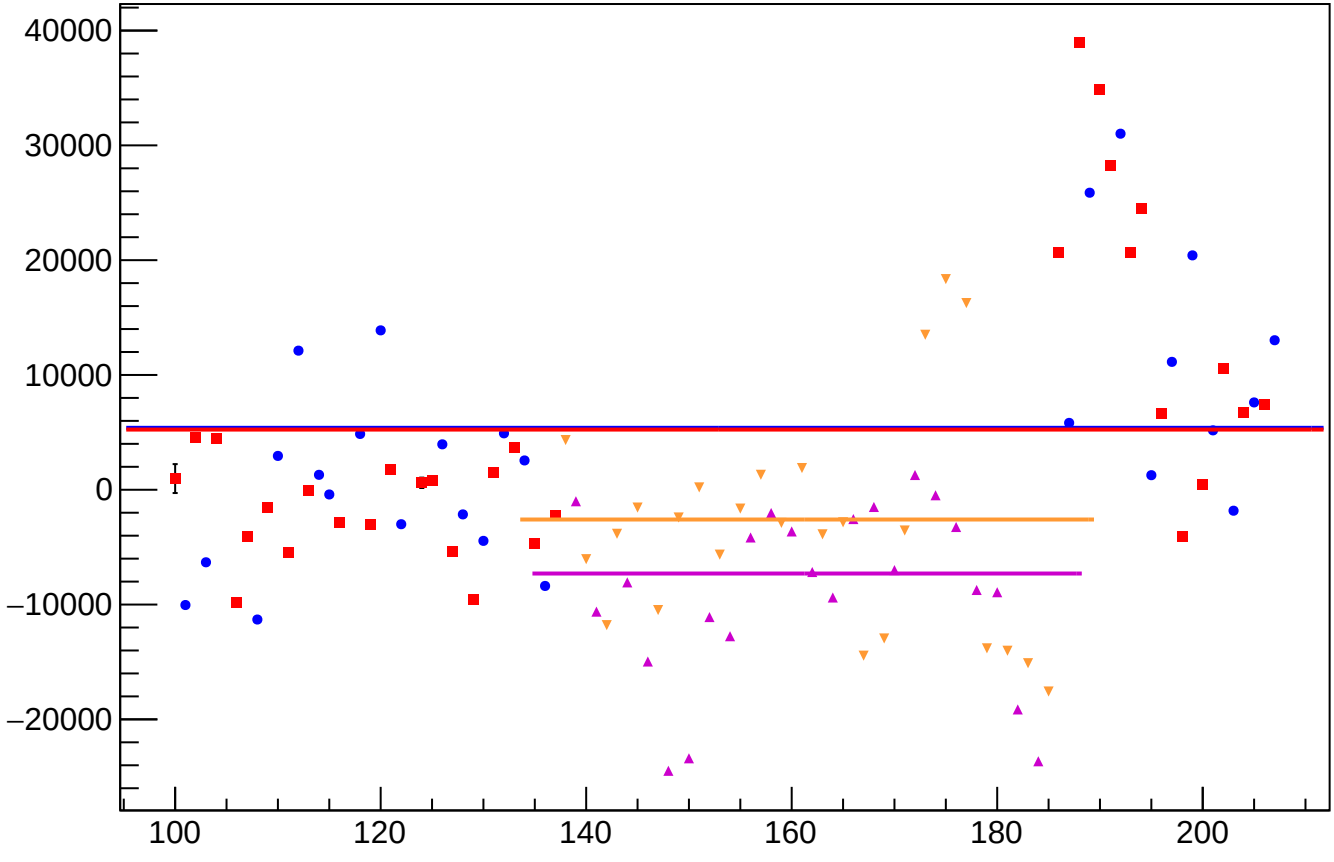
Right: 116.097+/-0.016 χ^2/NDF: 4937409.8/56

In: 116.602+/-0.015 χ^2/NDF:3894099.4/48

Out: 115.834+/-0.014 χ^2/NDF:4410013.4/55

All: 116.202+/-0.010 χ^2/NDF: 8305488.8/104

asym_bpm0i01WS_mean vs Slug, Sign Corrected



Right In: 5395.676+/-42.460 χ^2/NDF: 63791.0/25

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

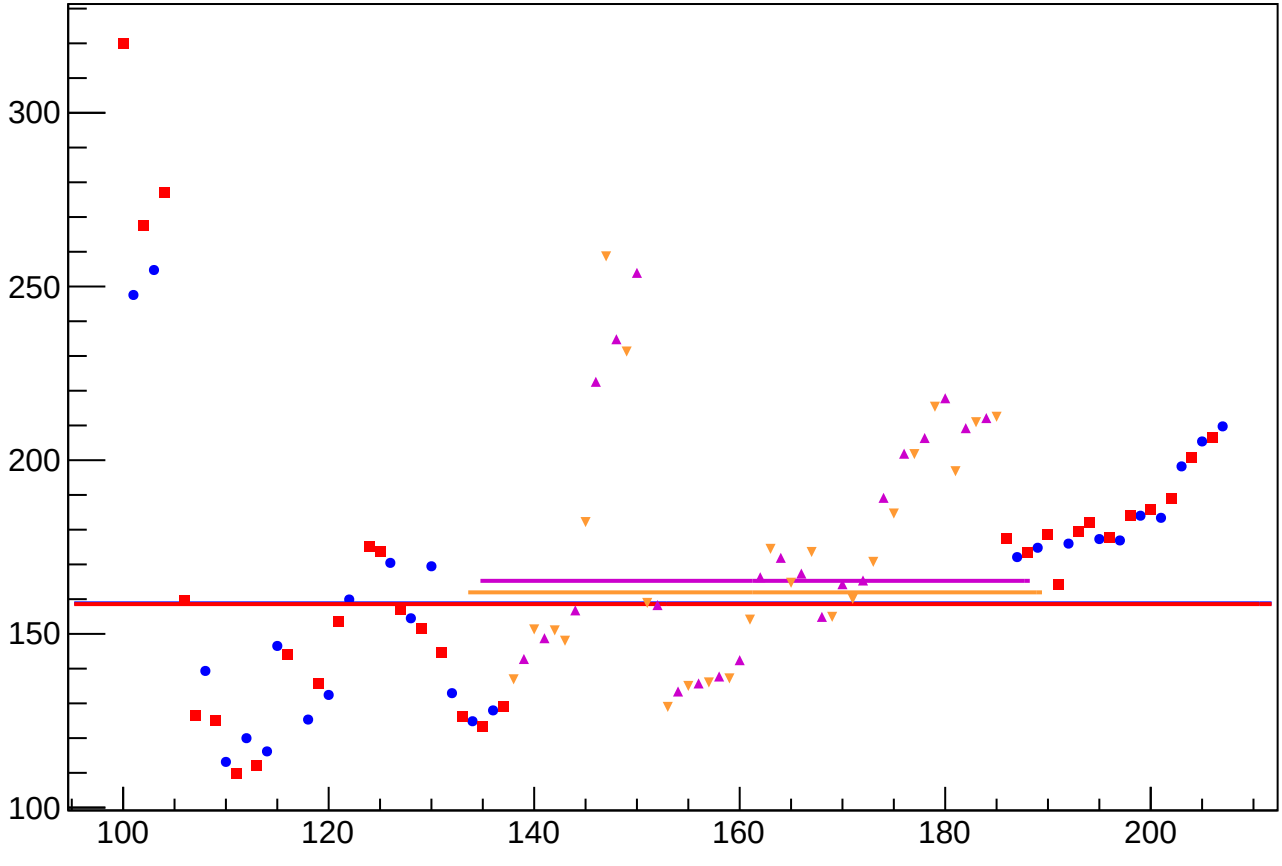
Right: 5315.681+/-29.275 χ^2/NDF: 160895.2/56

In: -1395.909+/-28.950 χ^2/NDF:136347.0/48

Out: 1047.680+/-27.547 χ^2/NDF:165212.2/55

All: -113.457+/-19.956 χ^2/NDF: 305298.3/10

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 158.783+/-0.030 χ^2/NDF: 1283651.0/25

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

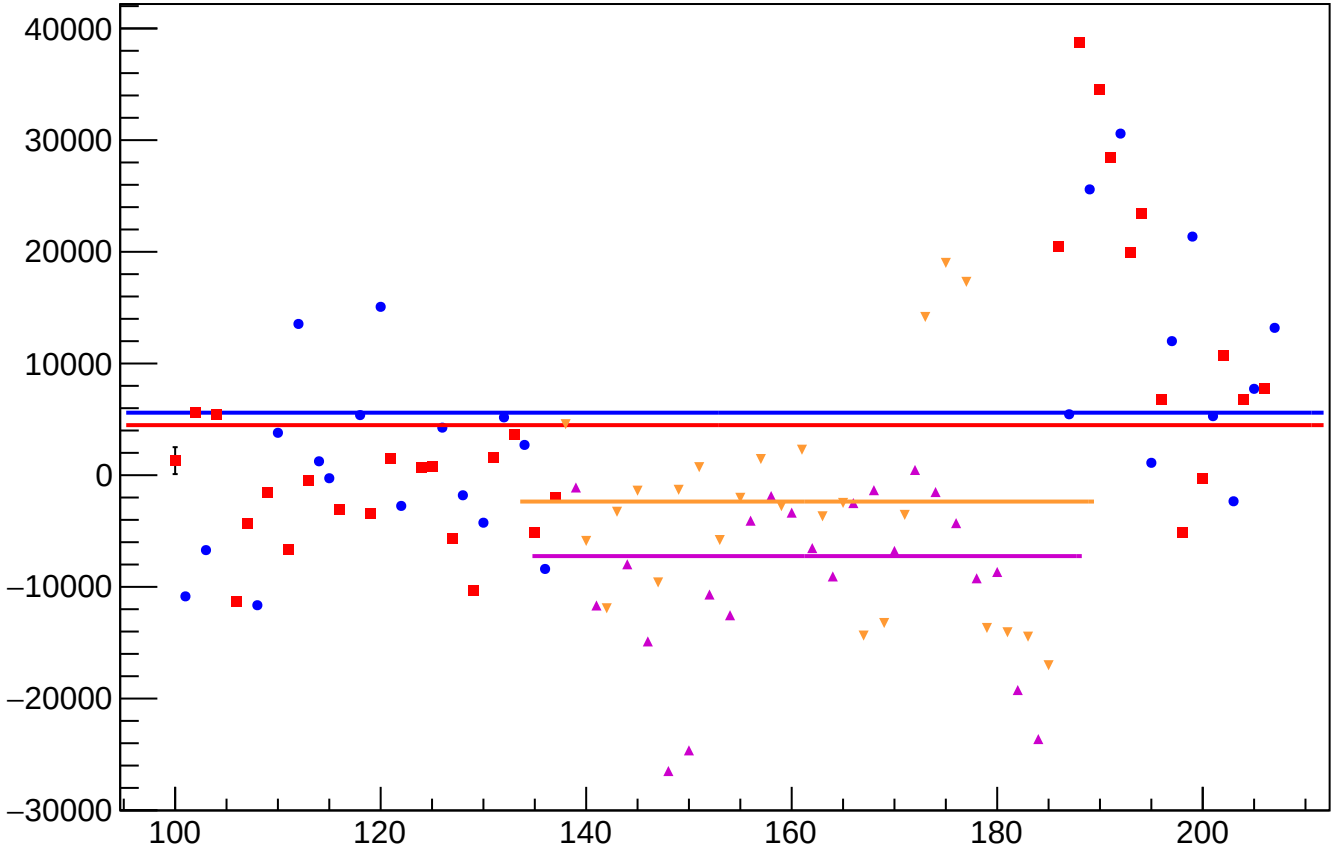
Right: 158.674+/-0.021 χ^2/NDF: 2749024.9/56

In: 162.256+/-0.020 χ^2/NDF:2487742.7/48

Out: 160.386+/-0.019 χ^2/NDF:2617654.7/55

All: 161.274+/-0.014 χ^2/NDF: 5109774.2/104

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5596.497+/-36.021 χ^2/NDF: 89141.4/25

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

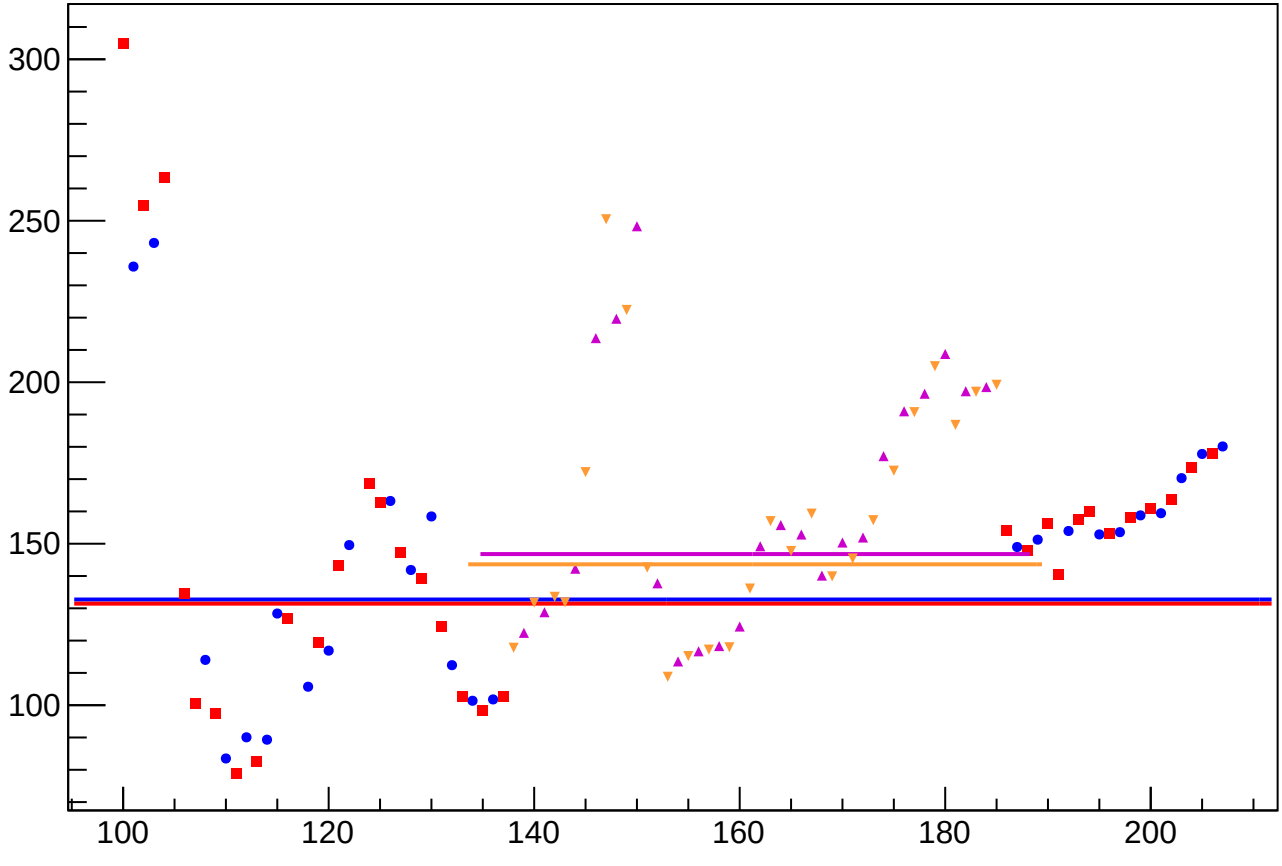
Right: 5008.213+/-24.761 χ^2/NDF: 224616.9/56

In: -916.344+/-25.287 χ^2/NDF:184046.3/48

Out: 1018.642+/-23.960 χ^2/NDF:213919.4/55

All: 103.259+/-17.392 χ^2/NDF: 401051.1/104

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 132.723+/-0.025 χ^2/NDF: 1936271.5/25

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

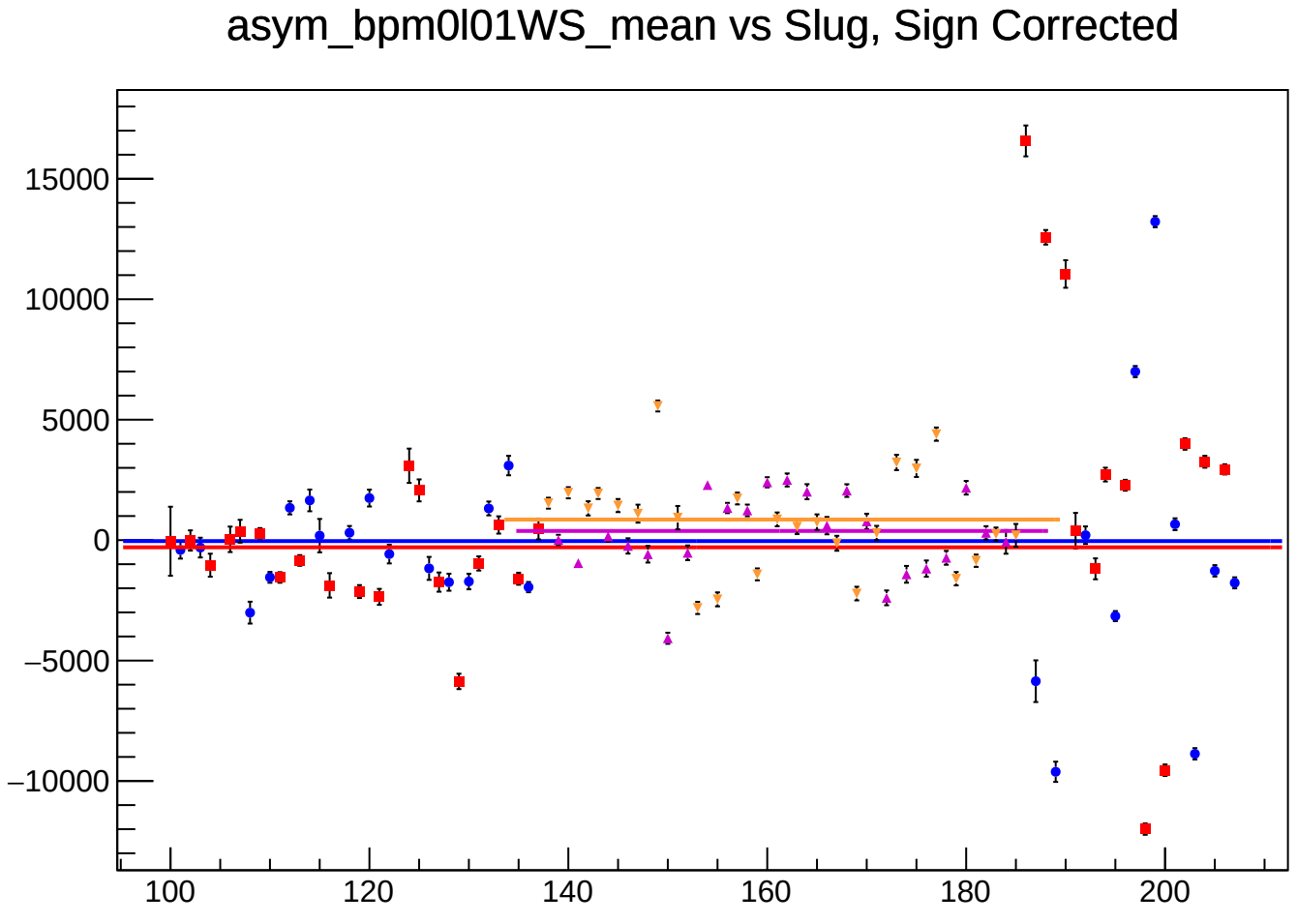
Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

Right: 132.048+/-0.018 χ^2/NDF: 4251602.1/56

In: 139.859+/-0.018 χ^2/NDF:3785573.8/48

Out: 137.607+/-0.017 χ^2/NDF:4105980.0/55

All: 138.672+/-0.012 χ^2/NDF: 7899911.5/104



Right In: -39.946+/-58.335 χ^2/NDF: 6859.3/25

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

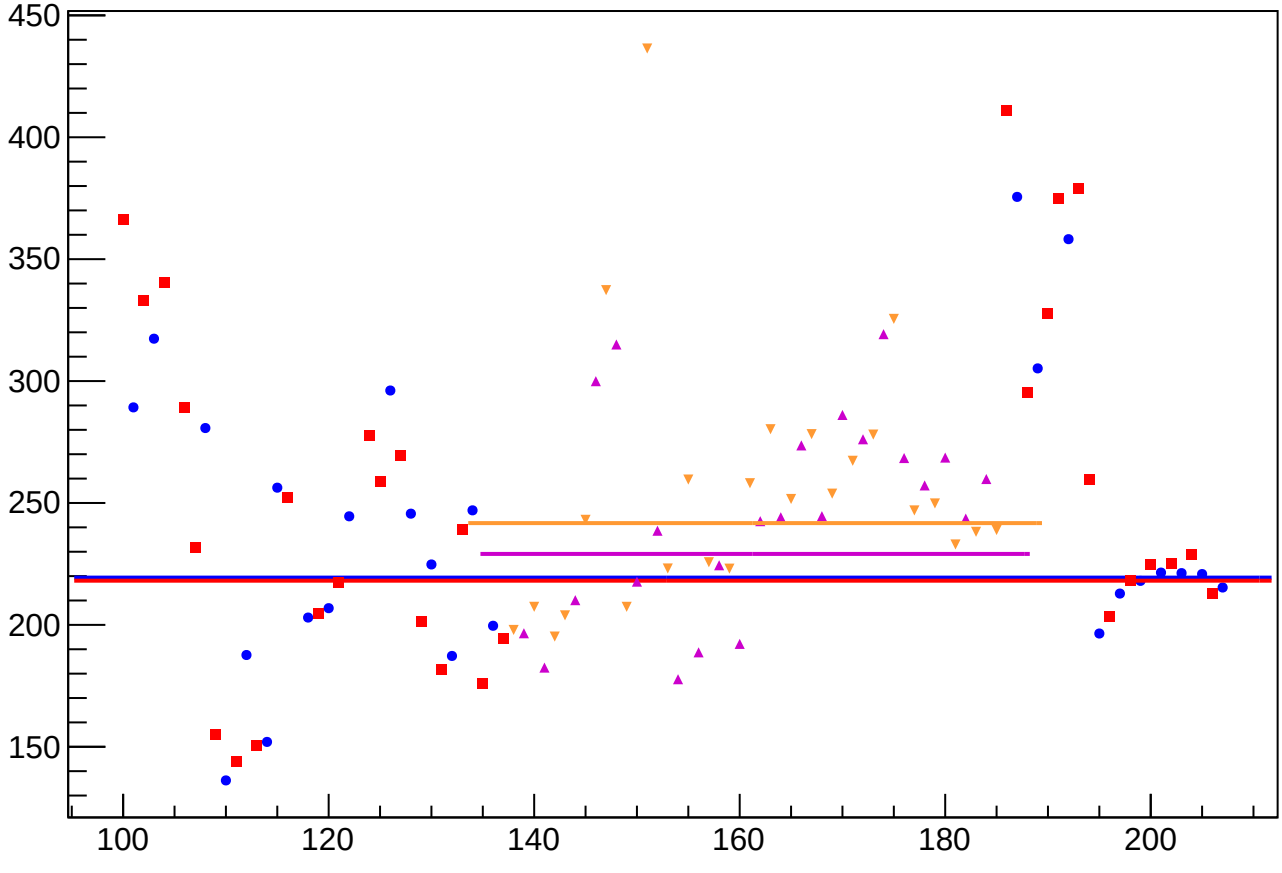
Right: -173.856+/-40.431 χ^2/NDF: 15267.4/56

In: 182.315+/-40.070 χ^2/NDF:7869.2/48

Out: 276.609+/-39.713 χ^2/NDF:10052.0/55

All: 229.884+/-28.207 χ^2/NDF: 17924.0/104

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.387+/-0.041 χ^2/NDF: 1172071.7/25

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

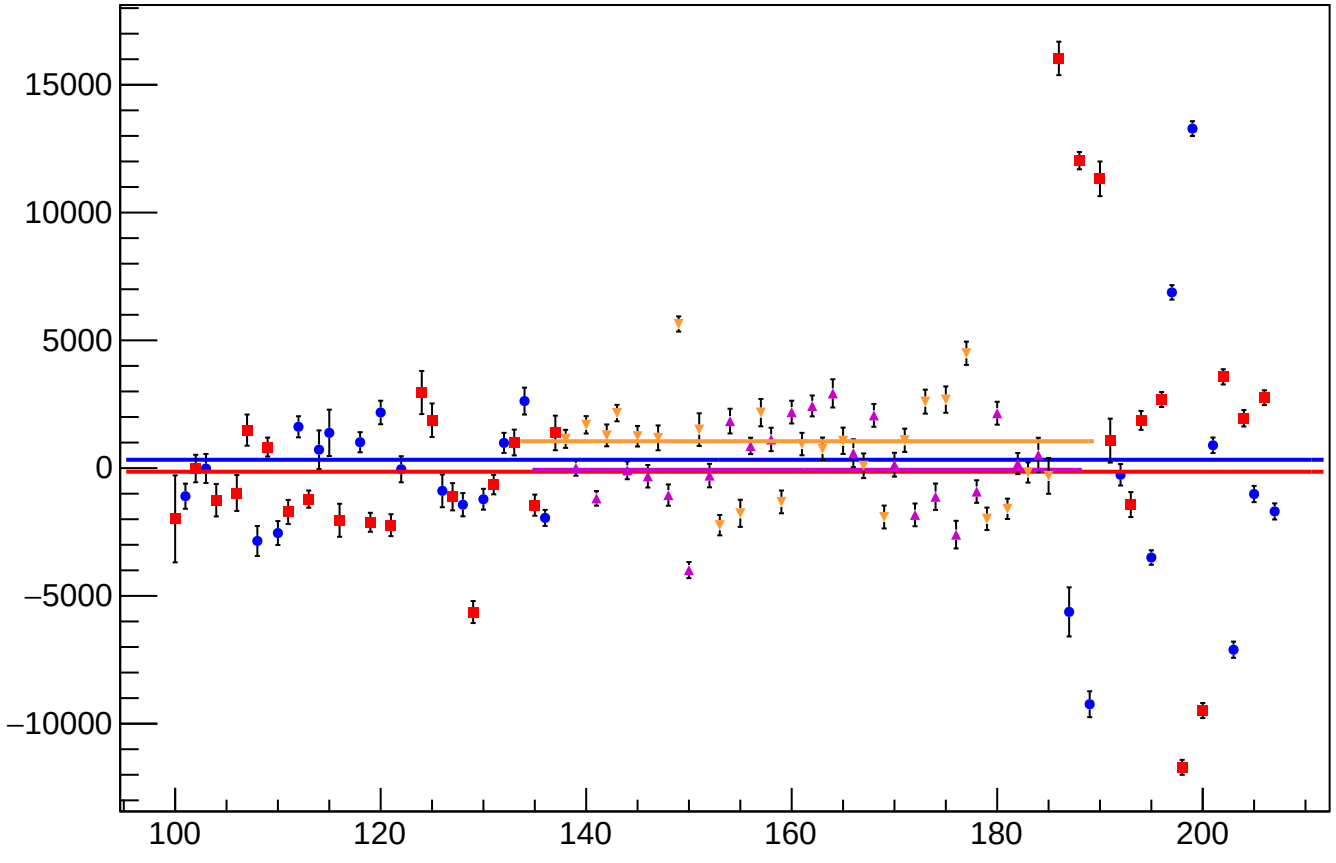
Right: 218.733+/-0.029 χ^2/NDF: 3082635.5/56

In: 224.519+/-0.028 χ^2/NDF:2270335.4/48

Out: 229.906+/-0.028 χ^2/NDF:3073312.2/55

All: 227.237+/-0.020 χ^2/NDF: 5361881.5/104

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 327.167+/-79.076 χ^2/NDF: 3923.7/25

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

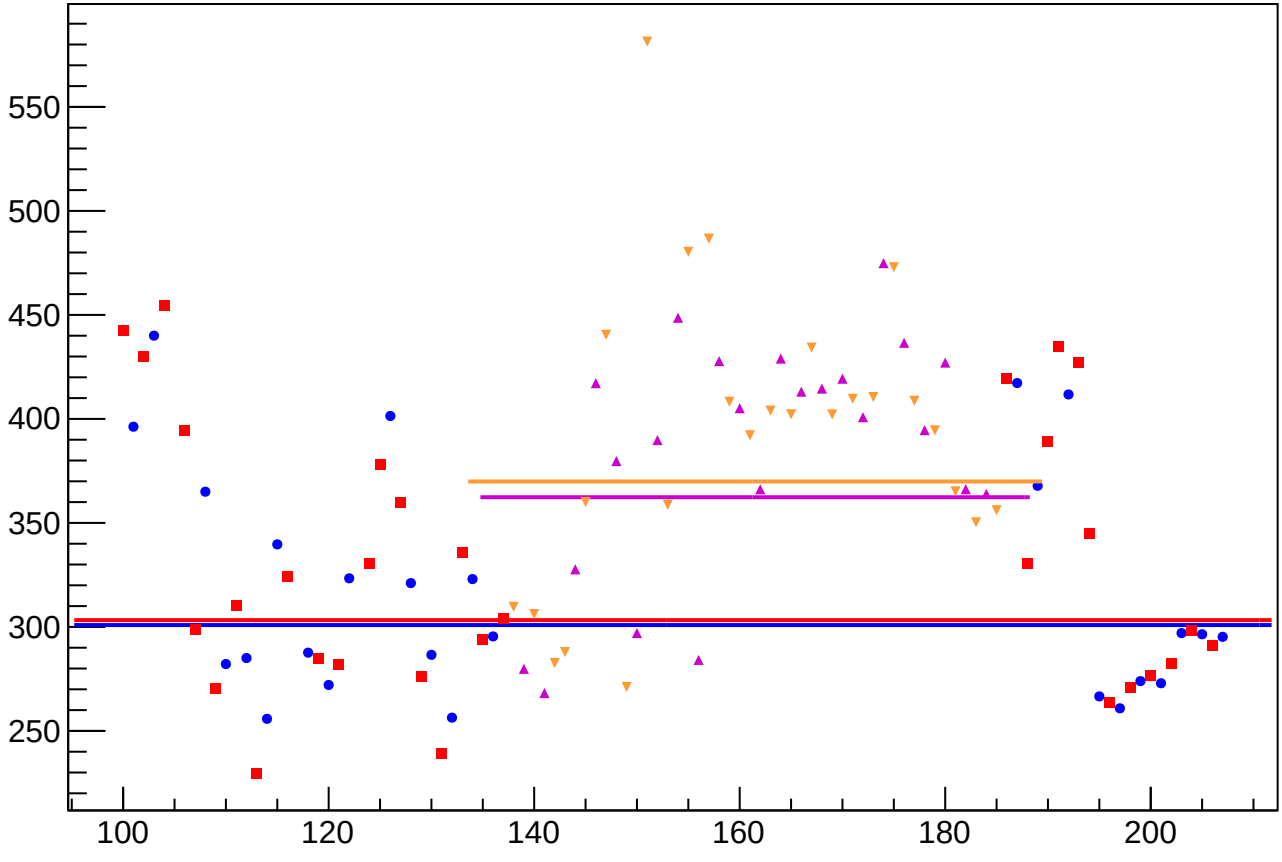
Right: 85.060+/-54.911 χ^2/NDF: 9420.0/56

In: 149.152+/-58.412 χ^2/NDF:4329.3/48

Out: 386.175+/-57.048 χ^2/NDF:6200.8/55

All: 270.463+/-40.813 χ^2/NDF: 10538.5/104

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 300.893+/-0.056 χ^2/NDF: 644079.9/25

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

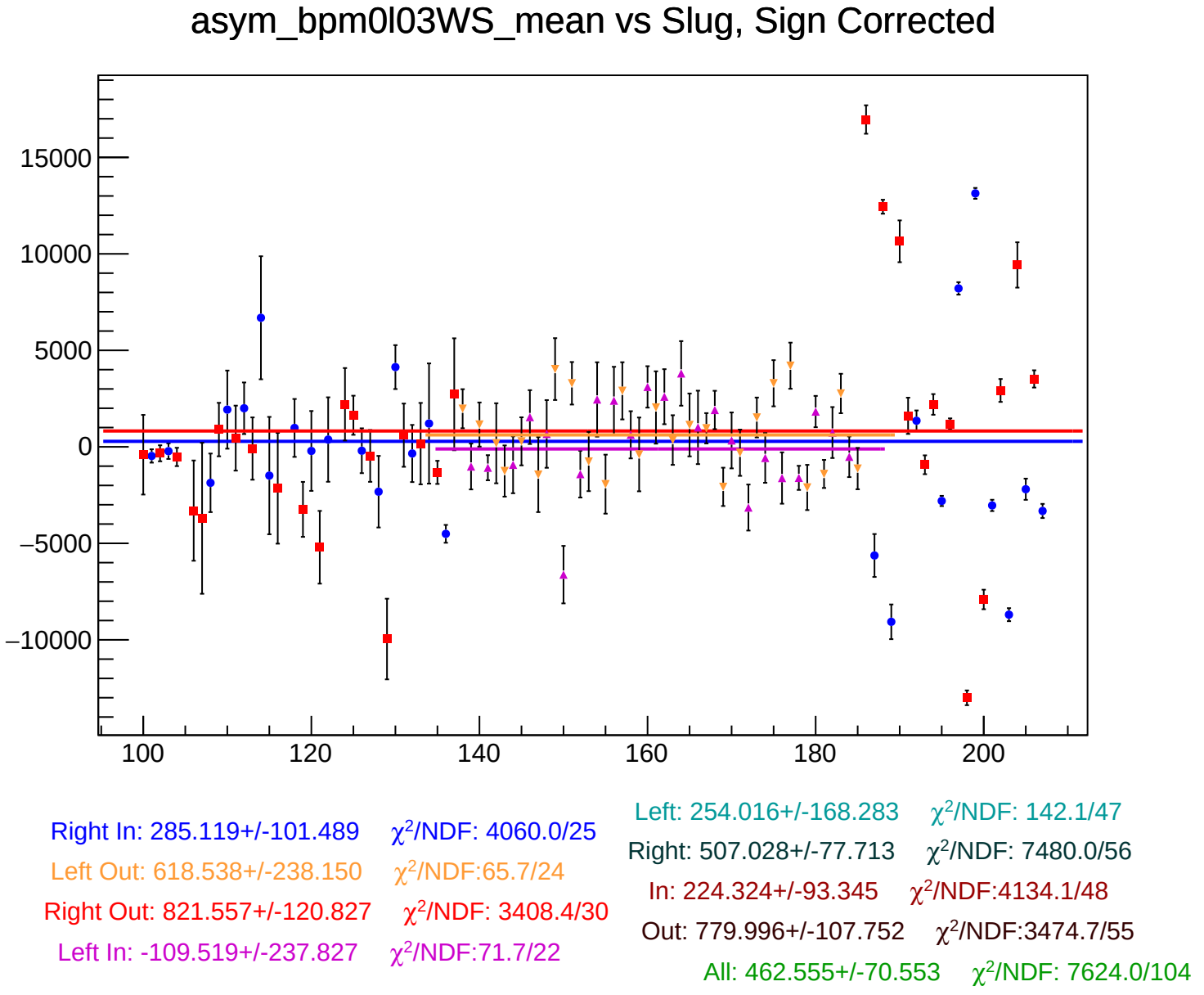
Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

Right: 302.119+/-0.039 χ^2/NDF: 1565414.4/56

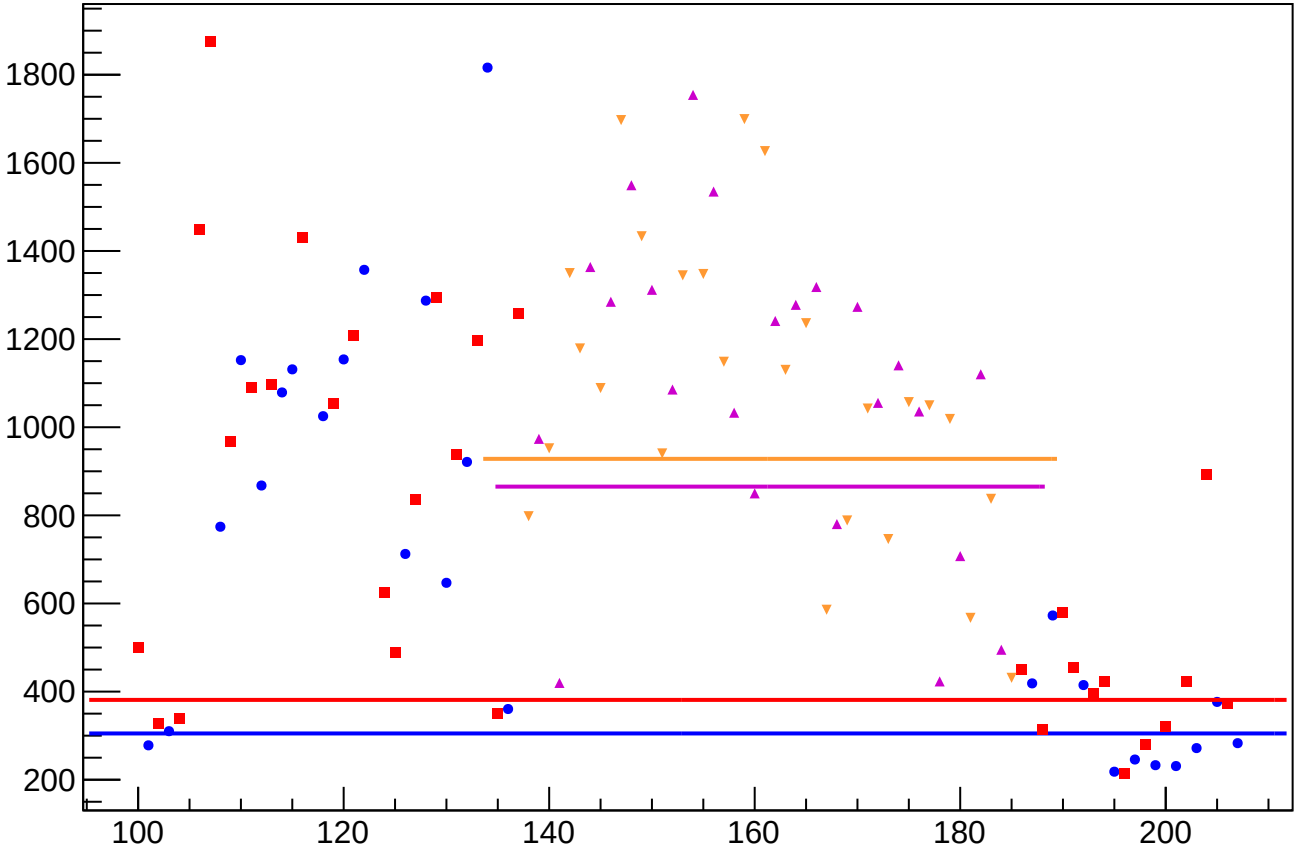
In: 328.811+/-0.041 χ^2/NDF:2246179.5/48

Out: 332.666+/-0.040 χ^2/NDF:2823968.5/55

All: 330.784+/-0.029 χ^2/NDF: 5074607.4/104


asym_bpm0l03WS_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 285.119+/-101.489 χ²/NDF: 4060.0/25
Left Out: 618.538+/-238.150 χ²/NDF:65.7/24
Right Out: 821.557+/-120.827 χ²/NDF: 3408.4/30
Left In: -109.519+/-237.827 χ²/NDF:71.7/22
Left: 254.016+/-168.283 χ²/NDF: 142.1/47
Right: 507.028+/-77.713 χ²/NDF: 7480.0/56
In: 224.324+/-93.345 χ²/NDF:4134.1/48
Out: 779.996+/-107.752 χ²/NDF:3474.7/55
All: 462.555+/-70.553 χ²/NDF: 7624.0/104

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 305.031+/-0.072 χ^2/NDF: 5152314.9/25

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

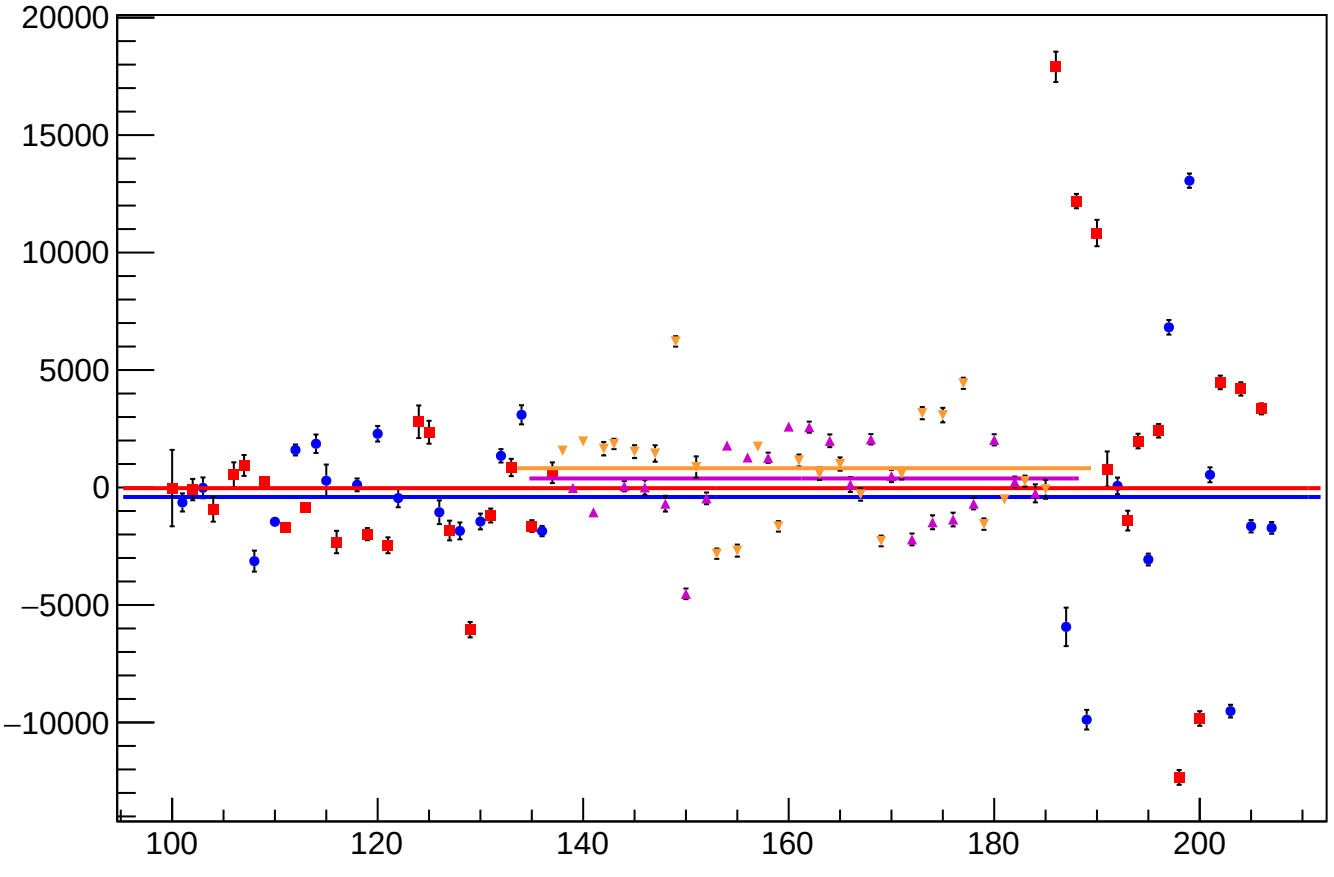
Right: 336.531+/-0.055 χ^2/NDF: 11284081.9/56

In: 391.329+/-0.066 χ^2/NDF:19331960.9/48

Out: 493.171+/-0.076 χ^2/NDF:17353823.8/55

All: 434.991+/-0.050 χ^2/NDF: 37706438.0/10

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -404.000+/-61.707 χ^2/NDF: 4782.9/25

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

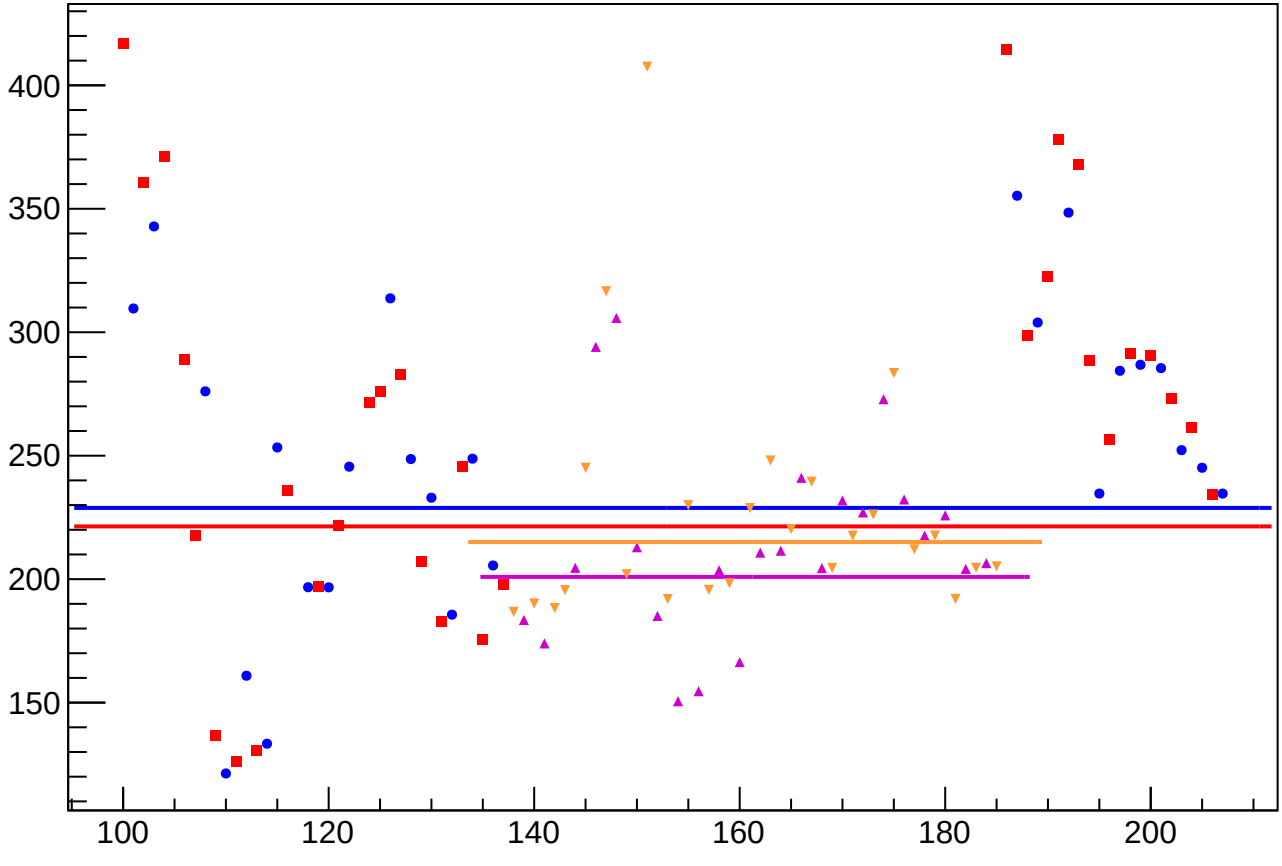
Right: -204.888+/-42.296 χ^2/NDF: 11537.4/56

In: 84.066+/-38.110 χ^2/NDF:6137.4/48

Out: 459.406+/-37.893 χ^2/NDF:8848.4/55

All: 272.806+/-26.871 χ^2/NDF: 15034.5/104

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 228.857+/-0.044 χ^2/NDF: 1846292.6/25

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

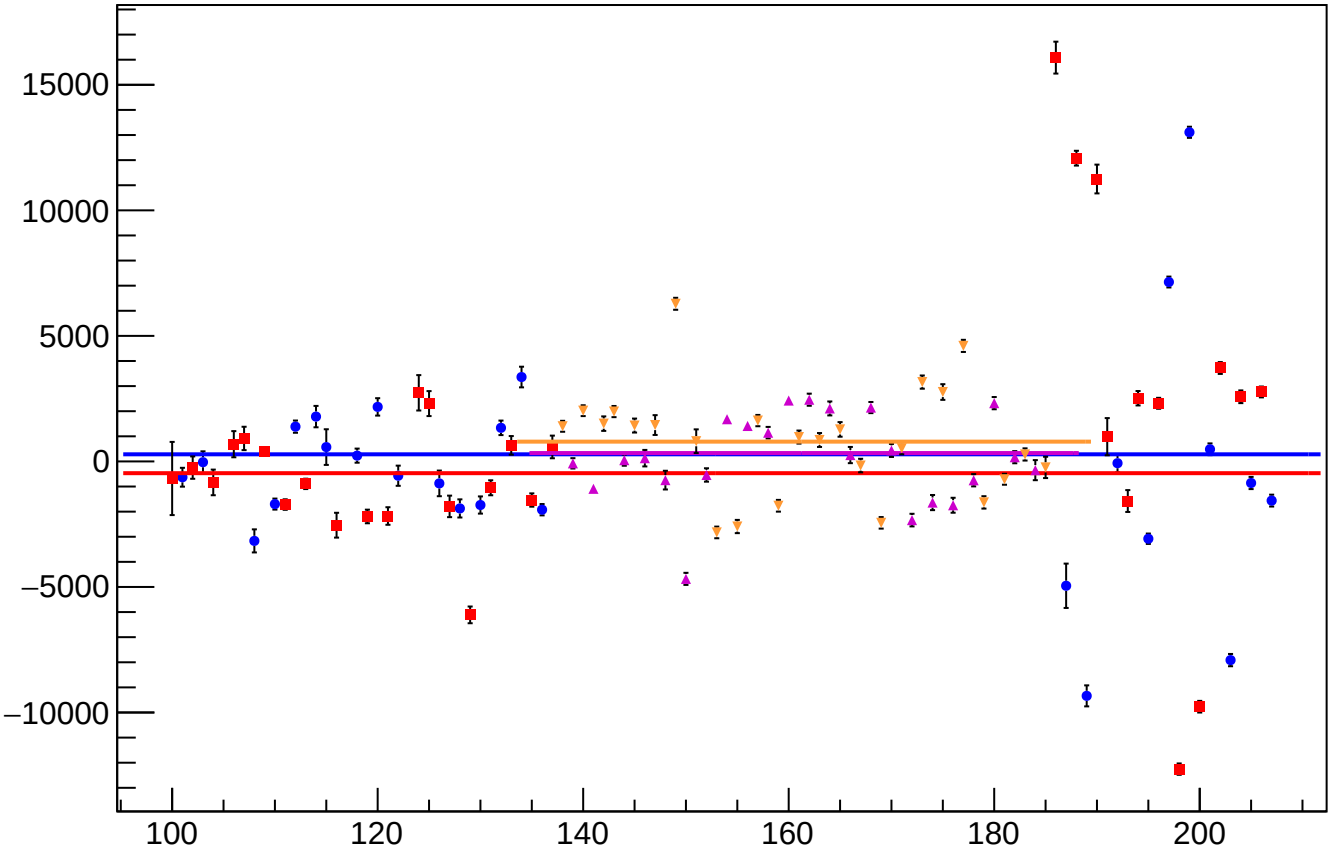
Right: 224.884+/-0.030 χ^2/NDF: 4939720.7/56

In: 211.574+/-0.027 χ^2/NDF:3205778.2/48

Out: 217.723+/-0.027 χ^2/NDF:3989254.7/55

All: 214.666+/-0.019 χ^2/NDF: 7221220.7/104

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 283.223+/-58.098 χ^2/NDF: 6842.7/25

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

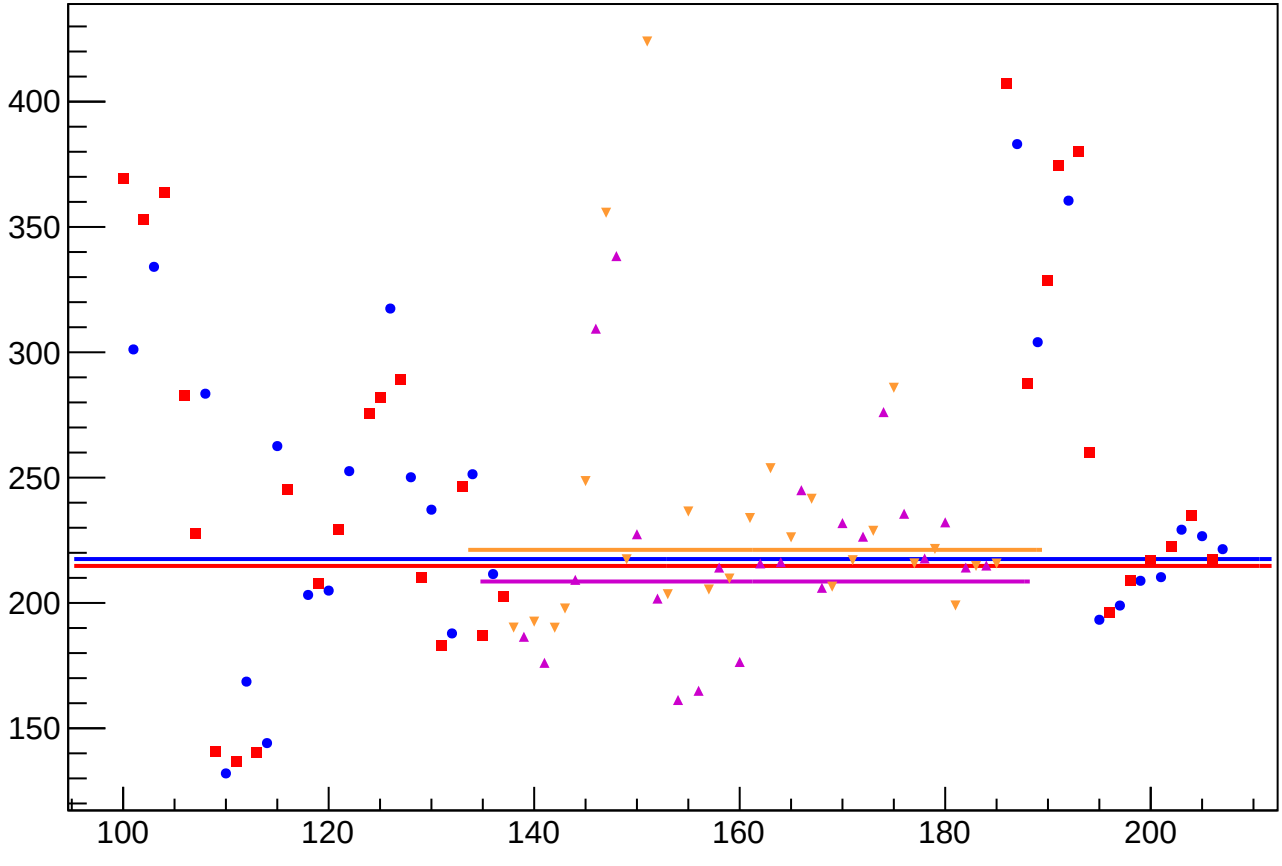
Right: -109.046+/-40.164 χ^2/NDF: 15664.5/56

In: 311.899+/-37.982 χ^2/NDF:8058.4/48

Out: 208.775+/-37.748 χ^2/NDF:10899.8/55

All: 260.018+/-26.774 χ^2/NDF: 18961.9/104

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 217.513+/-0.041 χ^2/NDF: 1411107.3/25

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

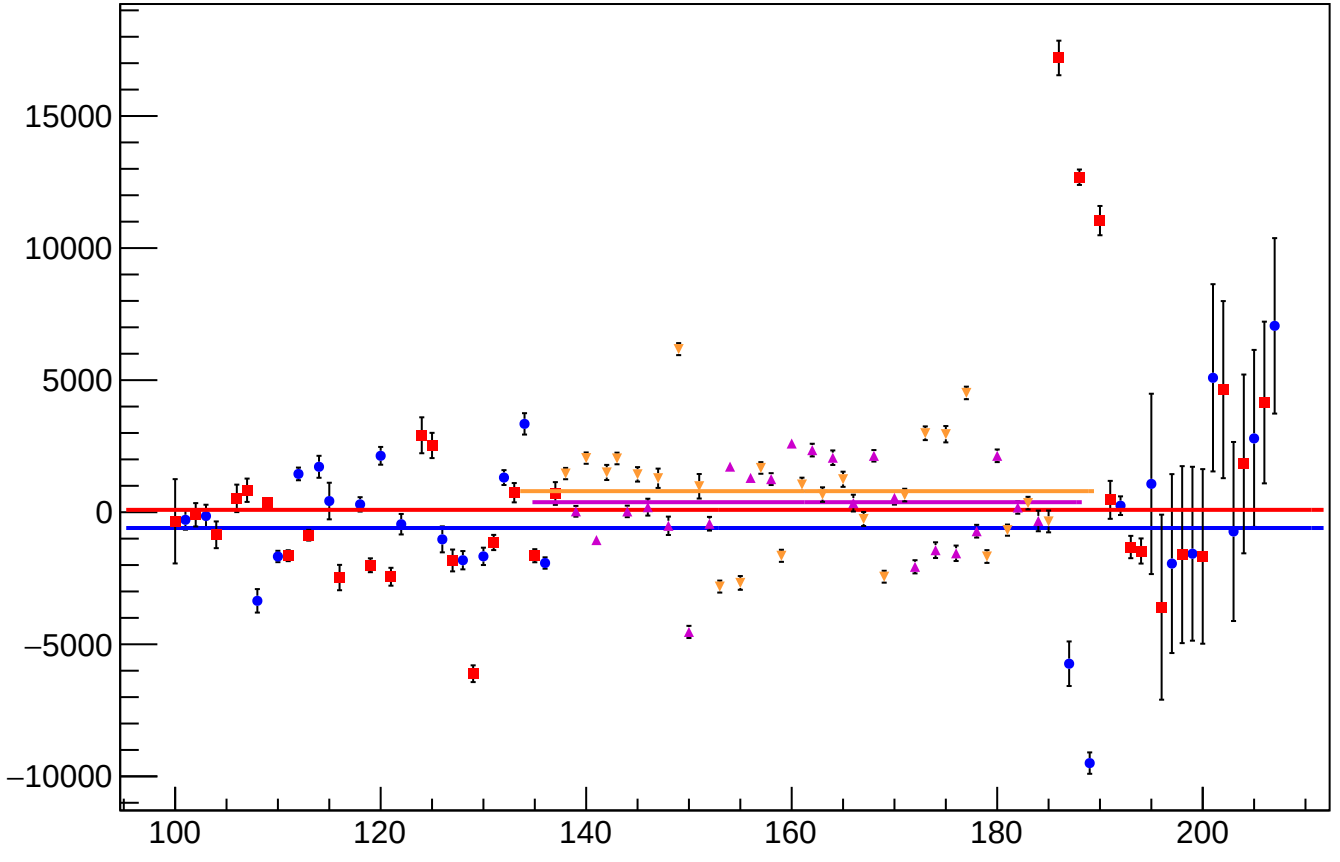
Right: 216.079+/-0.028 χ^2/NDF: 3678698.4/56

In: 212.384+/-0.027 χ^2/NDF:2473965.0/48

Out: 218.225+/-0.027 χ^2/NDF:3219146.3/55

All: 215.323+/-0.019 χ^2/NDF: 5716905.8/104

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -597.572+/-76.357 χ^2/NDF: 985.9/25

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

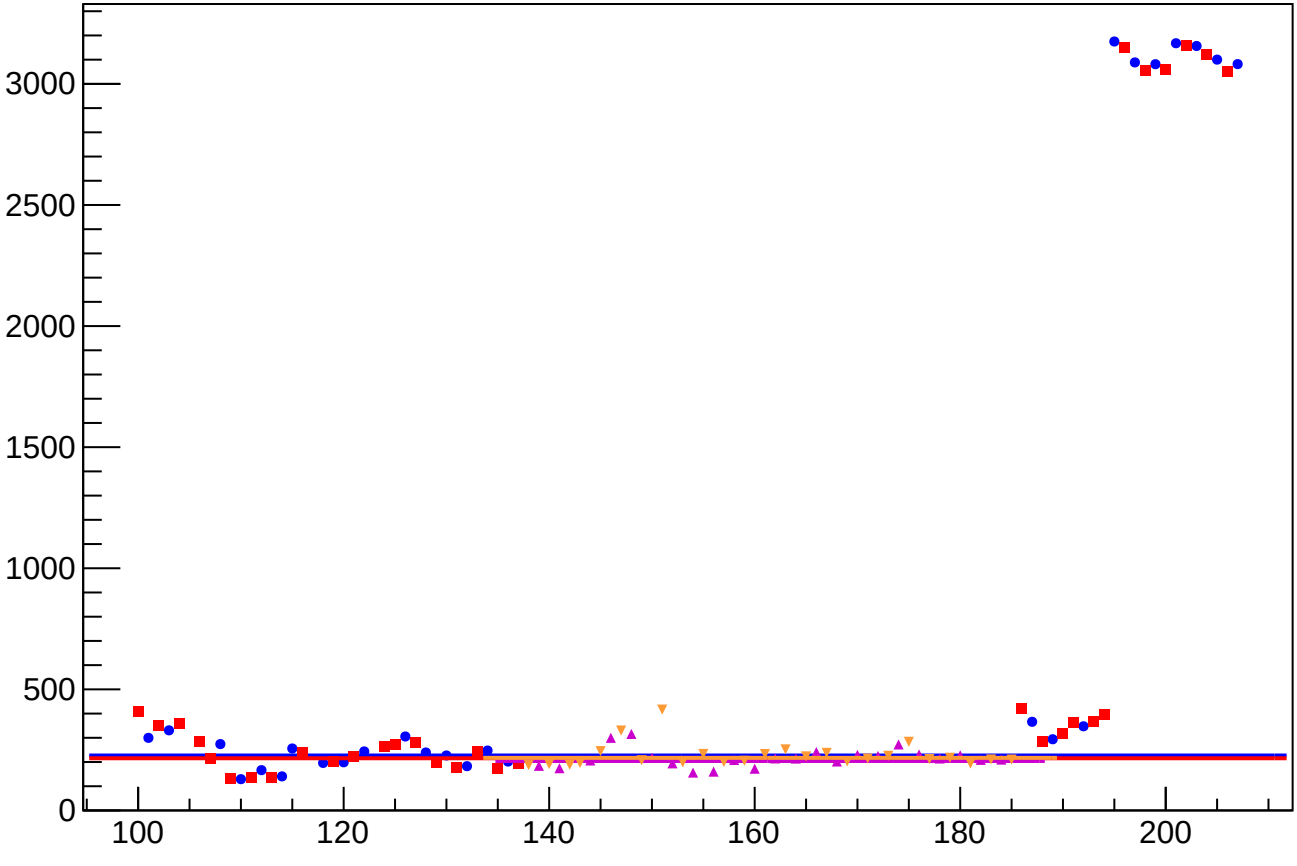
Right: -214.855+/-50.823 χ^2/NDF: 4766.7/56

In: 93.047+/-41.348 χ^2/NDF:2302.9/48

Out: 546.326+/-40.561 χ^2/NDF:5766.2/55

All: 324.043+/-28.955 χ^2/NDF: 8130.3/104

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 226.849+/-0.054 χ^2/NDF: 11607514.2/25

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

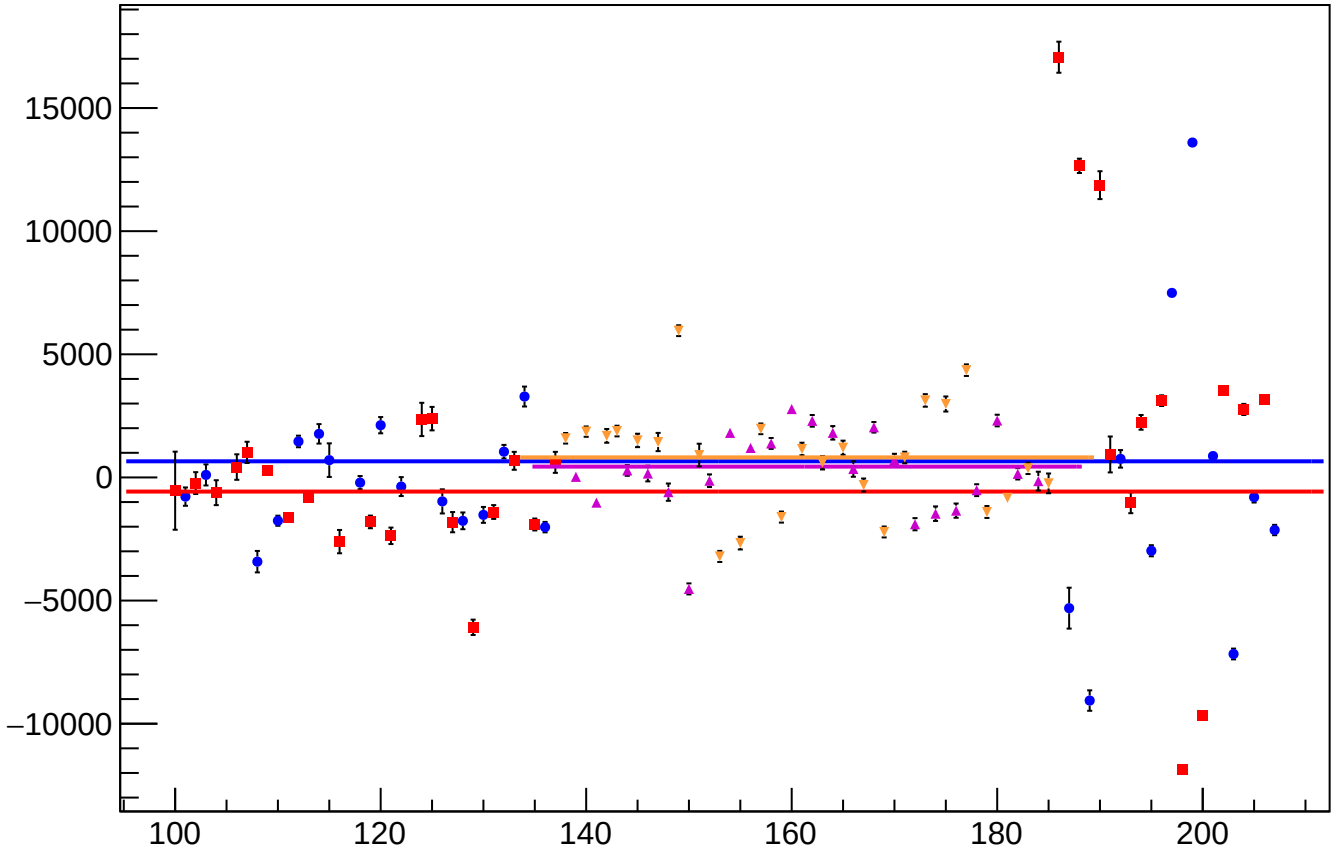
Right: 220.532+/-0.036 χ^2/NDF: 23319930.5/56

In: 210.918+/-0.029 χ^2/NDF:12745741.0/48

Out: 216.615+/-0.029 χ^2/NDF:12599107.0/55

All: 213.821+/-0.020 χ^2/NDF: 25364201.0/10

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 654.844+/-54.173 χ^2/NDF: 8930.3/25

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

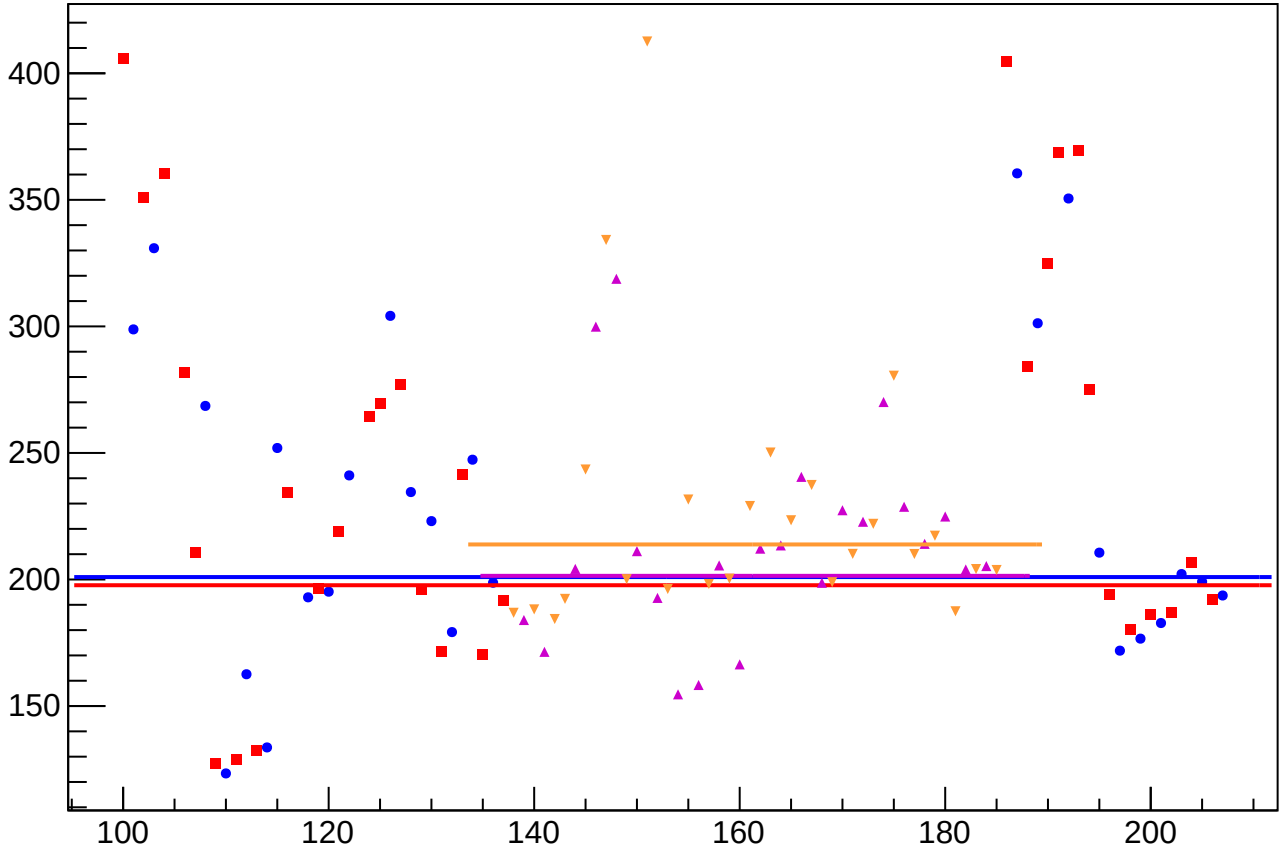
Right: 11.516+/-37.393 χ^2/NDF: 19836.5/56

In: 535.485+/-36.149 χ^2/NDF:10174.1/48

Out: 146.415+/-35.844 χ^2/NDF:13011.6/55

All: 339.304+/-25.453 χ^2/NDF: 23244.1/104

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 200.960+/-0.038 χ^2/NDF: 1603512.5/25

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

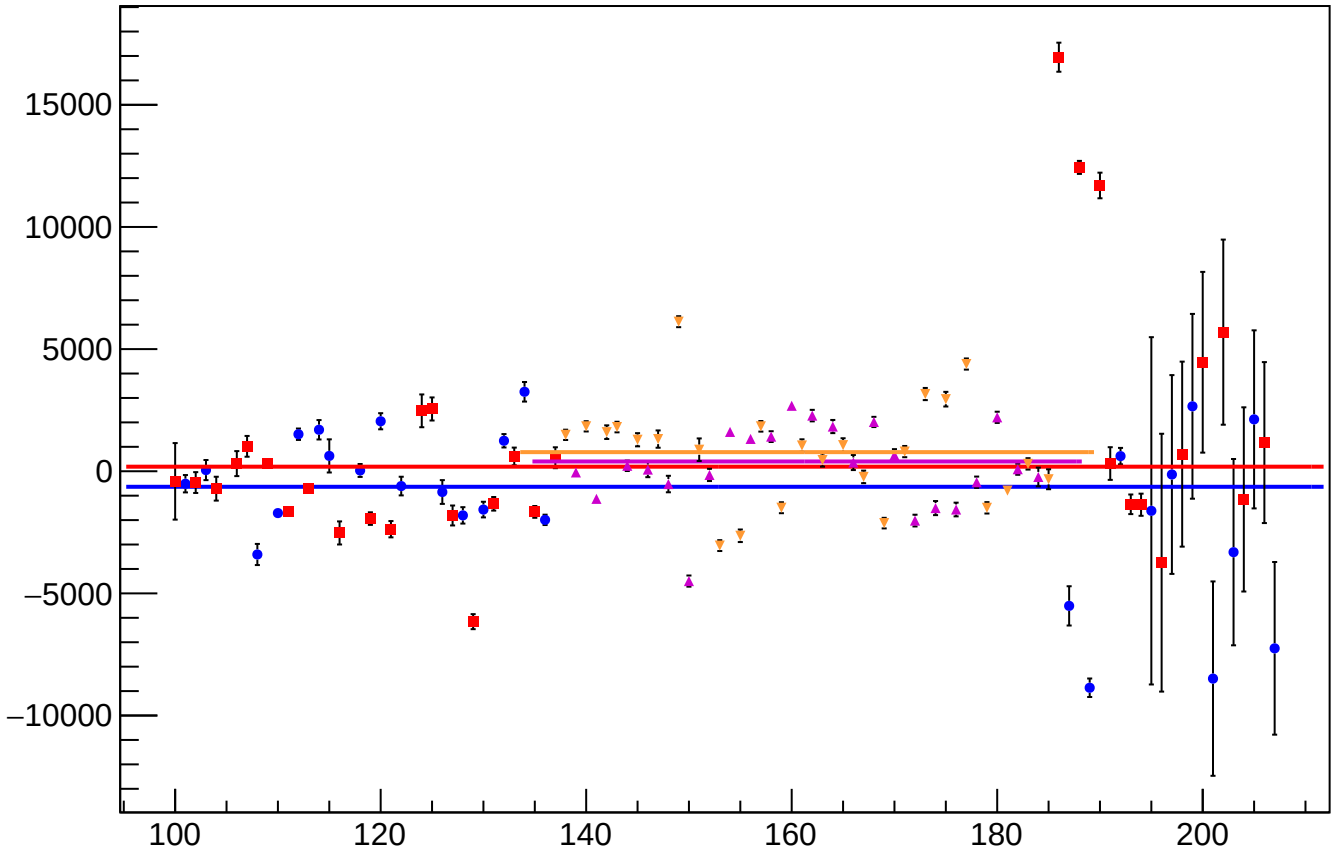
Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

Right: 199.271+/-0.026 χ^2/NDF: 4246106.3/56

In: 201.229+/-0.026 χ^2/NDF:2665574.1/48

Out: 206.096+/-0.025 χ^2/NDF:3703369.1/55

All: 203.683+/-0.018 χ^2/NDF: 6387220.4/104



Right In: -636.374+/-73.977 χ^2/NDF: 1001.7/25

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

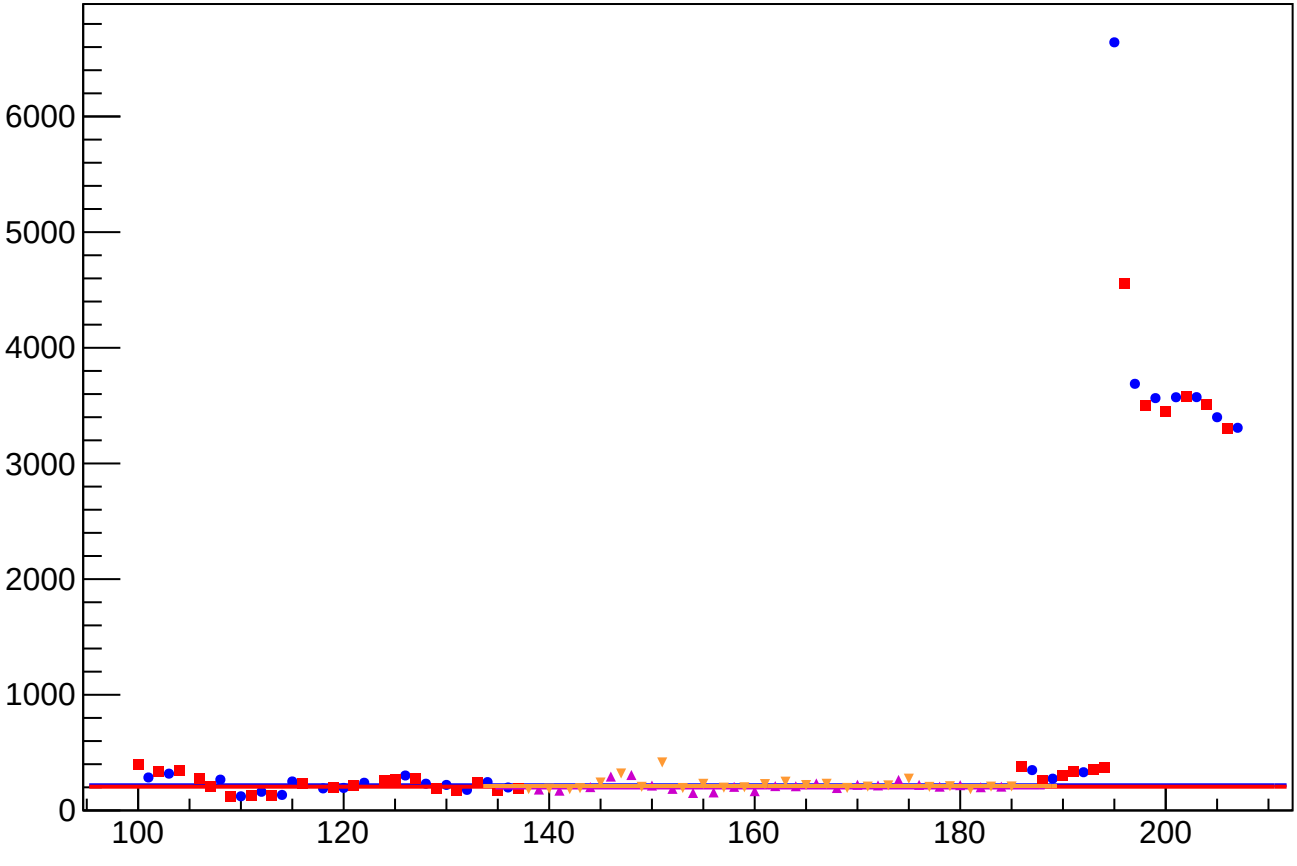
Right: -174.568+/-49.008 χ^2/NDF: 5347.3/56

In: 94.440+/-40.159 χ^2/NDF:2372.1/48

Out: 567.176+/-39.321 χ^2/NDF:6330.4/55

All: 335.791+/-28.096 χ^2/NDF: 8773.2/104

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 217.708+/-0.052 χ^2/NDF: 12033363.7/25

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

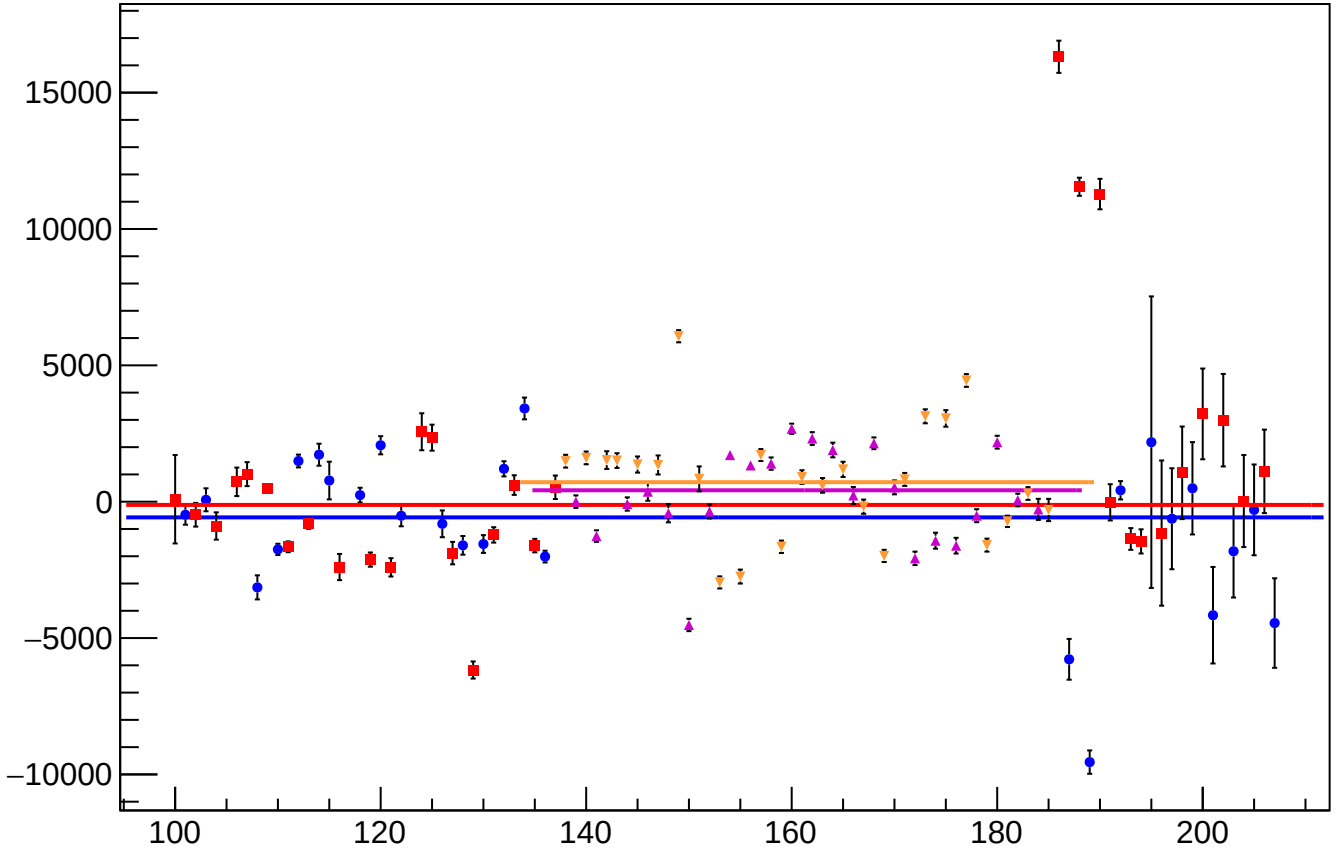
Right: 210.815+/-0.035 χ^2/NDF: 23972373.4/56

In: 204.178+/-0.028 χ^2/NDF:13134677.9/48

Out: 209.302+/-0.028 χ^2/NDF:12854047.8/55

All: 206.794+/-0.020 χ^2/NDF: 26005352.5/10

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -574.847+/-74.855 χ^2/NDF: 964.0/25

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

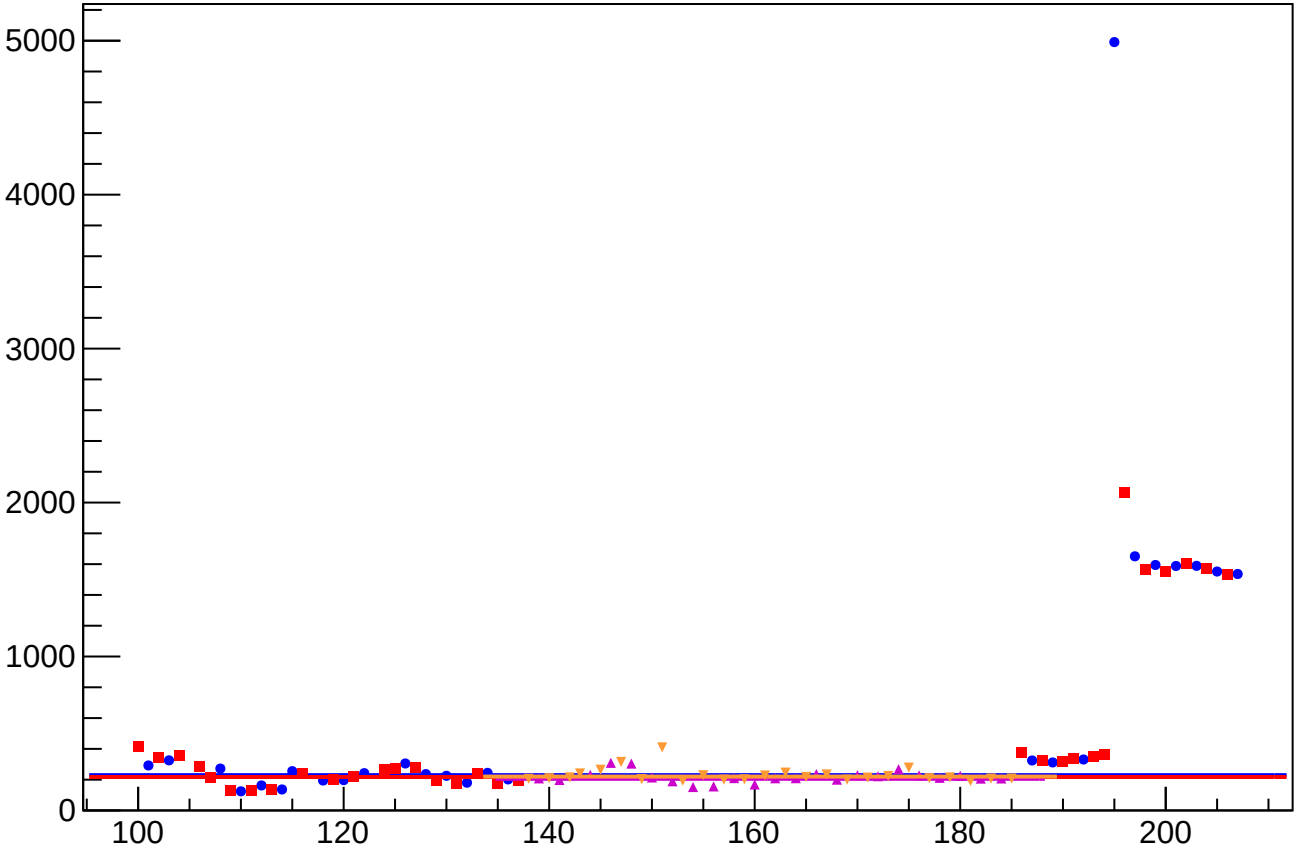
Right: -321.319+/-49.930 χ^2/NDF: 4151.8/56

In: 116.134+/-41.302 χ^2/NDF:2327.4/48

Out: 409.032+/-40.640 χ^2/NDF:5183.0/55

All: 264.952+/-28.968 χ^2/NDF: 7536.0/104

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 229.417+/-0.053 χ^2/NDF: 10518845.2/25

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

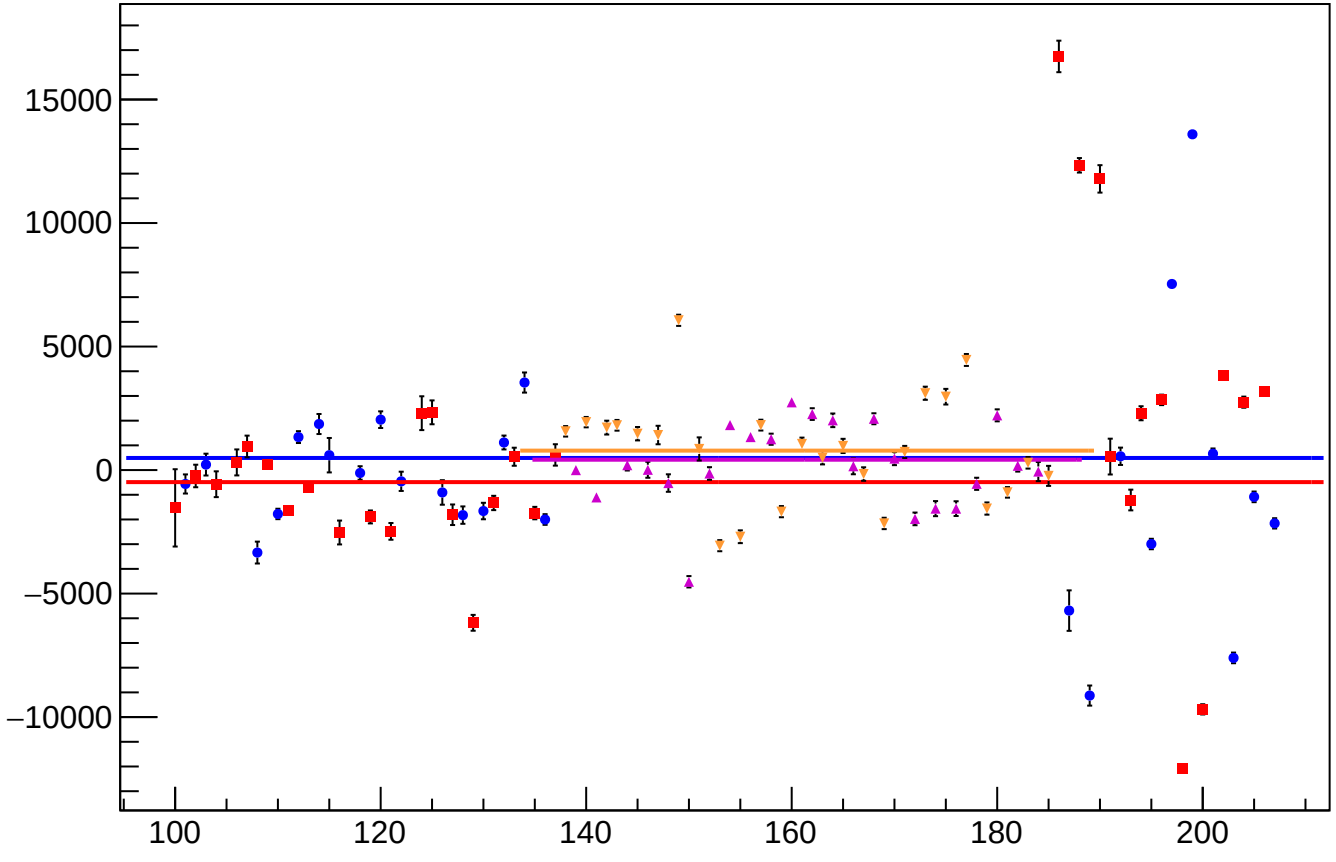
Right: 222.657+/-0.035 χ^2/NDF: 20911024.6/56

In: 212.768+/-0.029 χ^2/NDF:11675040.3/48

Out: 219.076+/-0.029 χ^2/NDF:11164872.9/55

All: 215.973+/-0.020 χ^2/NDF: 22863613.7/10

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 489.898+/-54.705 χ^2/NDF: 8928.6/25

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

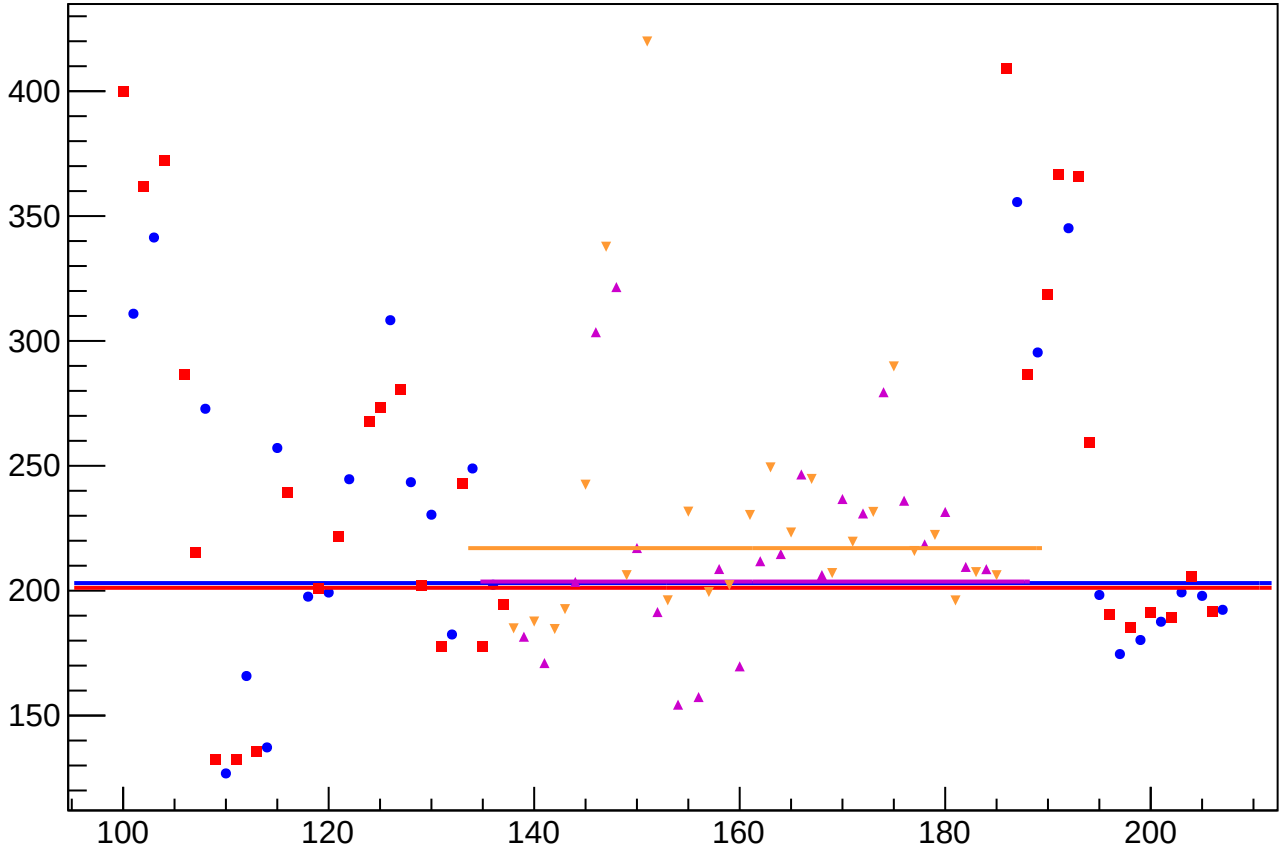
Right: -19.244+/-37.871 χ^2/NDF: 19375.7/56

In: 450.571+/-36.562 χ^2/NDF:10140.5/48

Out: 173.754+/-36.398 χ^2/NDF:12524.6/55

All: 311.541+/-25.795 χ^2/NDF: 22693.8/104

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 203.046+/-0.039 χ^2/NDF: 1553752.0/25

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

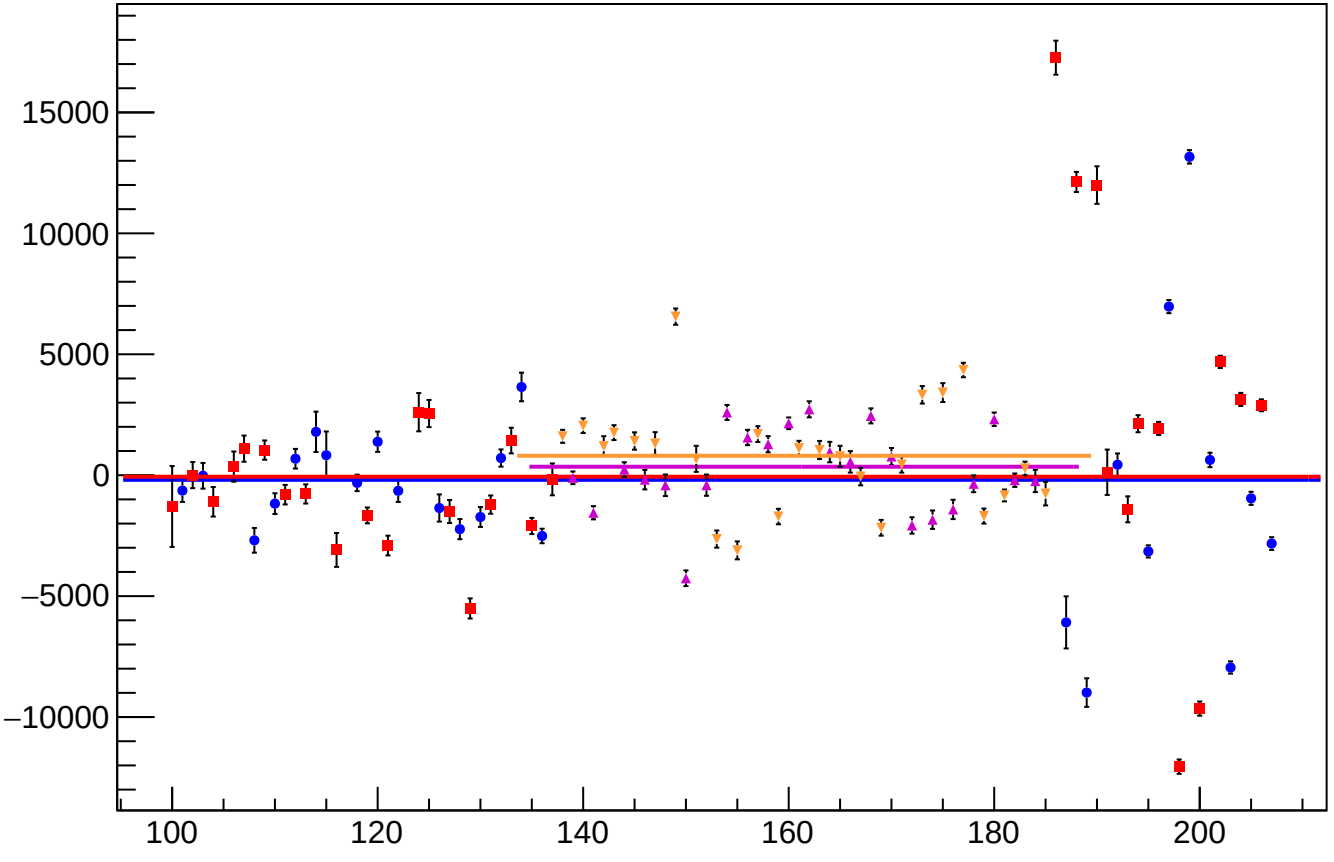
Right: 202.063+/-0.027 χ^2/NDF: 4036795.8/56

In: 203.386+/-0.026 χ^2/NDF:2719226.1/48

Out: 209.401+/-0.026 χ^2/NDF:3560032.6/55

All: 206.407+/-0.018 χ^2/NDF: 6306443.1/104

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: -190.426+/-73.140 χ^2/NDF: 4637.4/25

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

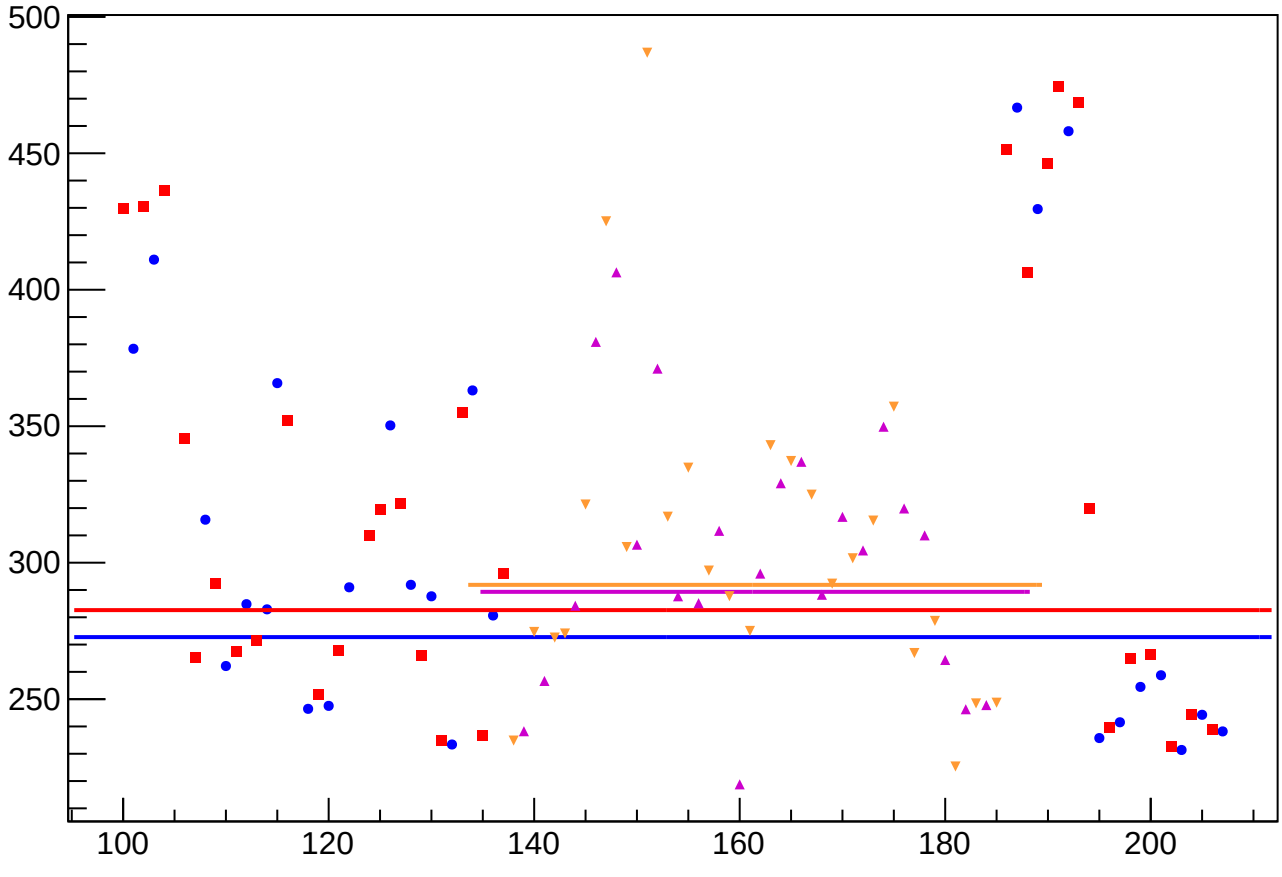
Right: -126.388+/-51.514 χ^2/NDF: 10164.0/56

In: 95.625+/-50.184 χ^2/NDF:5322.4/48

Out: 400.288+/-49.499 χ^2/NDF:6659.1/55

All: 250.050+/-35.241 χ^2/NDF: 12000.2/104

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 272.737+/-0.052 χ^2/NDF: 1126331.2/25

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

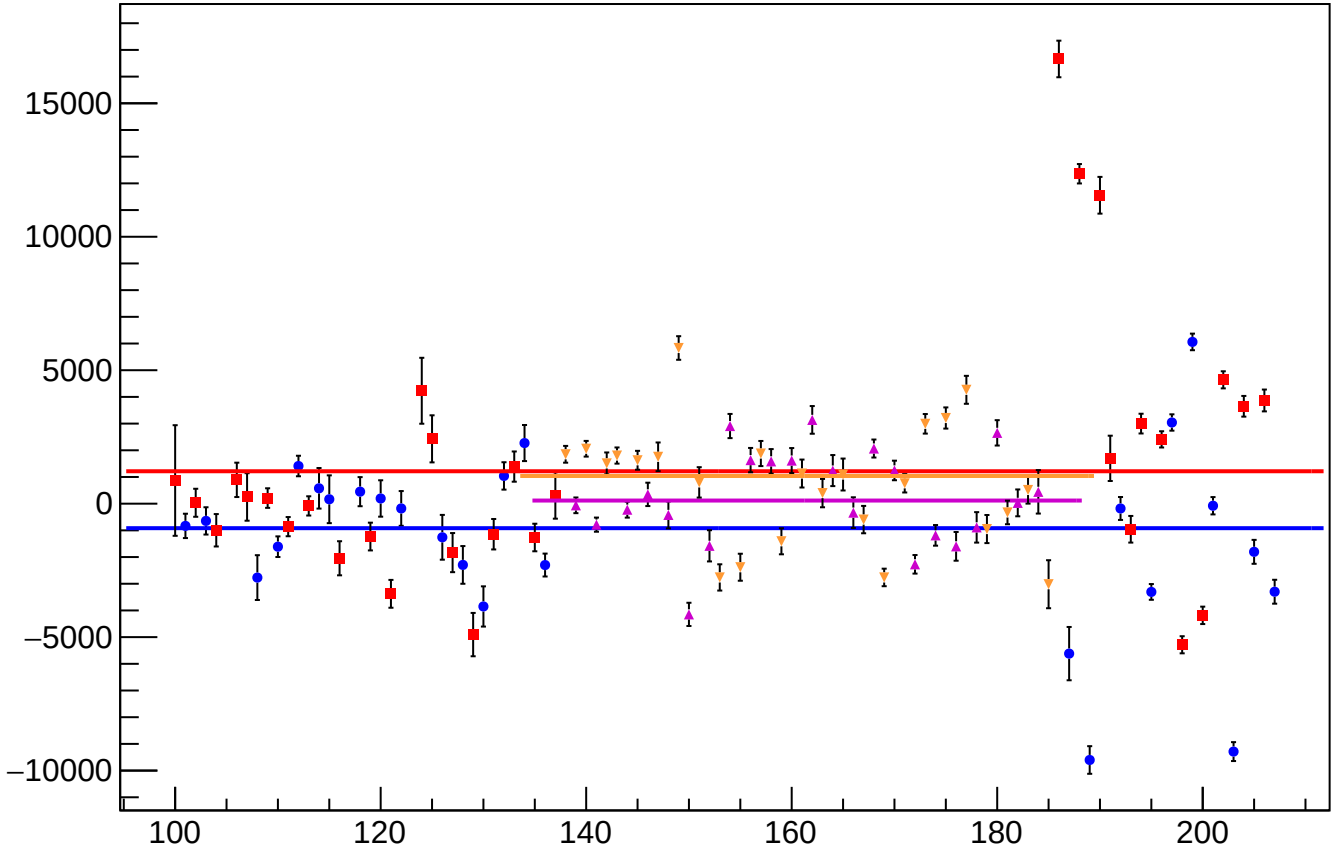
Right: 277.719+/-0.036 χ^2/NDF: 2611295.4/56

In: 281.513+/-0.035 χ^2/NDF:1989351.2/48

Out: 287.574+/-0.035 χ^2/NDF:2443874.6/55

All: 284.586+/-0.025 χ^2/NDF: 4448012.5/104

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -918.079+/-90.880 χ^2/NDF: 1768.1/25

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

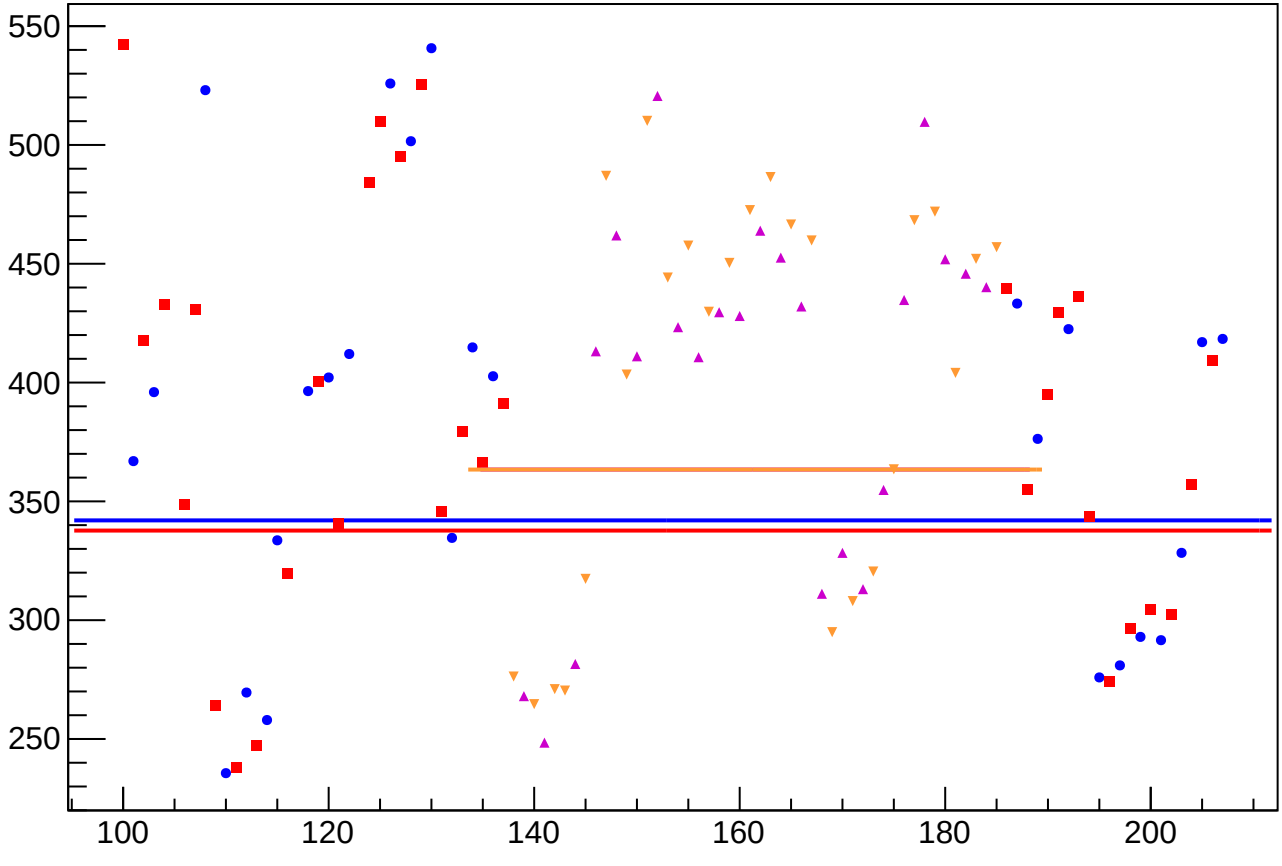
Right: 211.733+/-62.320 χ^2/NDF: 4996.4/56

In: -380.592+/-63.018 χ^2/NDF:2205.9/48

Out: 1125.531+/-60.395 χ^2/NDF:3508.9/55

All: 404.477+/-43.604 χ^2/NDF: 6012.5/104

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 341.997+/-0.064 χ^2/NDF: 1318750.2/25

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

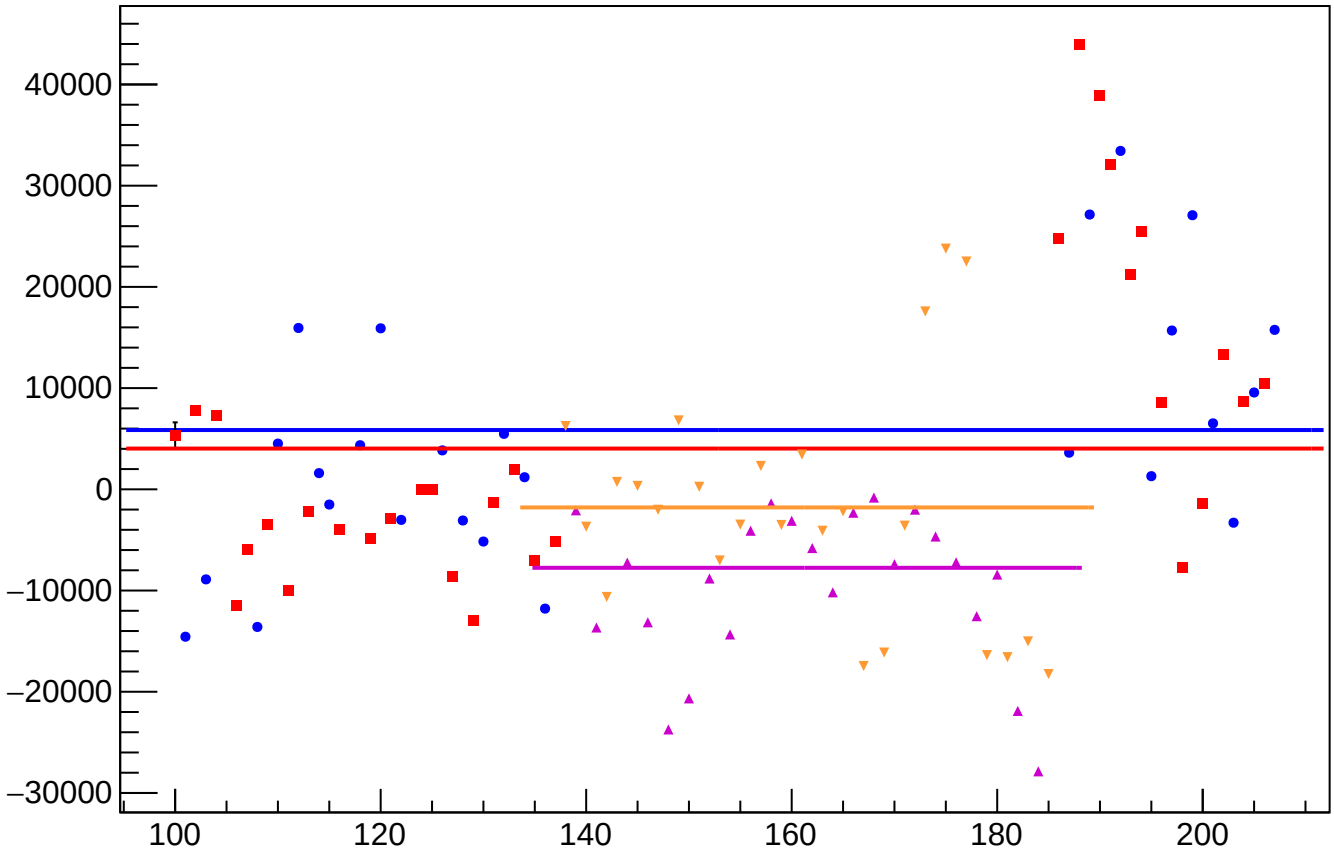
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 339.728+/-0.044 χ^2/NDF: 2574147.1/56

In: 353.102+/-0.045 χ^2/NDF:3087863.0/48

Out: 350.614+/-0.043 χ^2/NDF:3283890.5/55

All: 351.805+/-0.031 χ^2/NDF: 6373378.4/104



Right In: 5856.968+/-41.796 χ^2/NDF: 92564.5/25

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 4027.617+/-39.615 χ^2/NDF: 137269.9/30

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

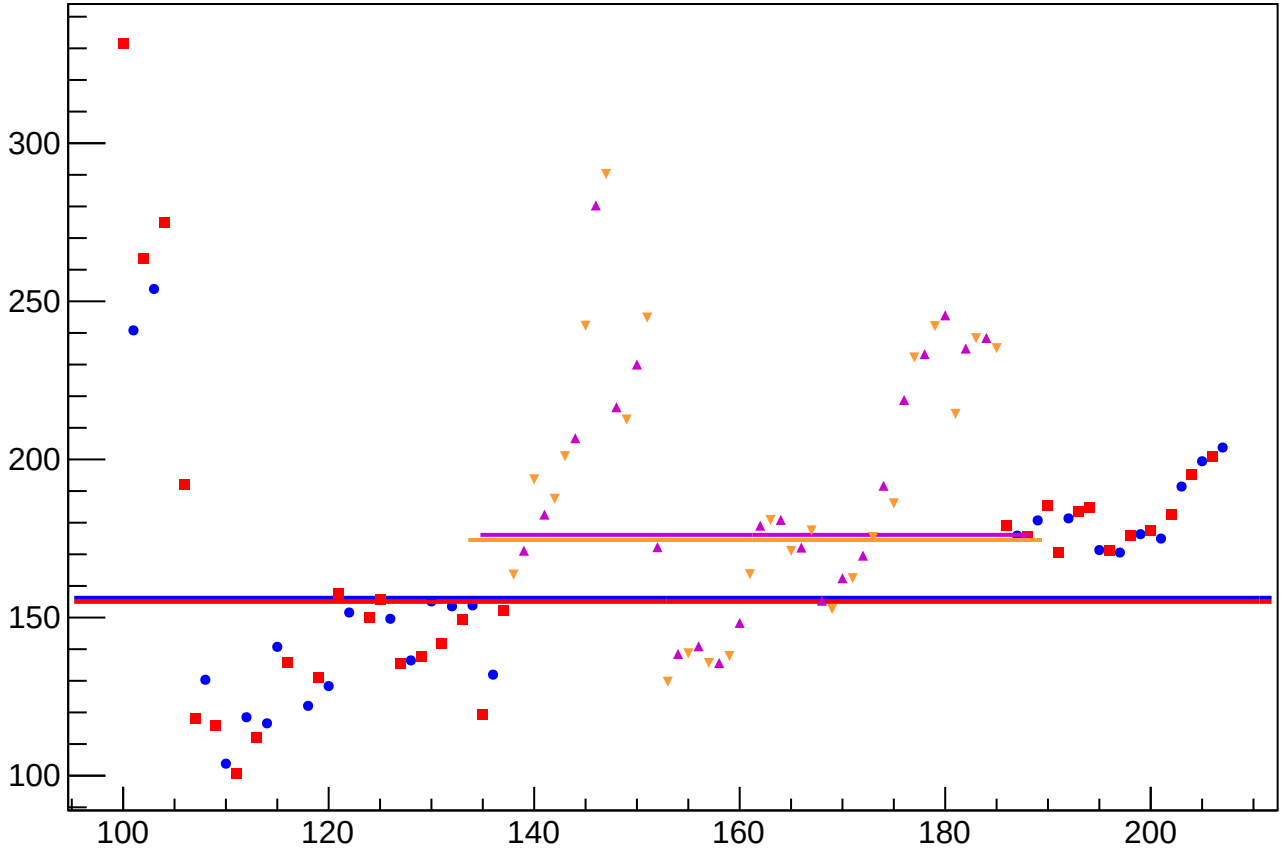
Right: 4893.334+/-28.752 χ^2/NDF: 230843.5/56

In: -823.639+/-29.824 χ^2/NDF:167897.1/48

Out: 1212.186+/-28.459 χ^2/NDF:213453.1/55

All: 241.941+/-20.589 χ^2/NDF: 383789.0/104

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 156.249+/-0.030 χ^2/NDF: 1231226.6/25

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

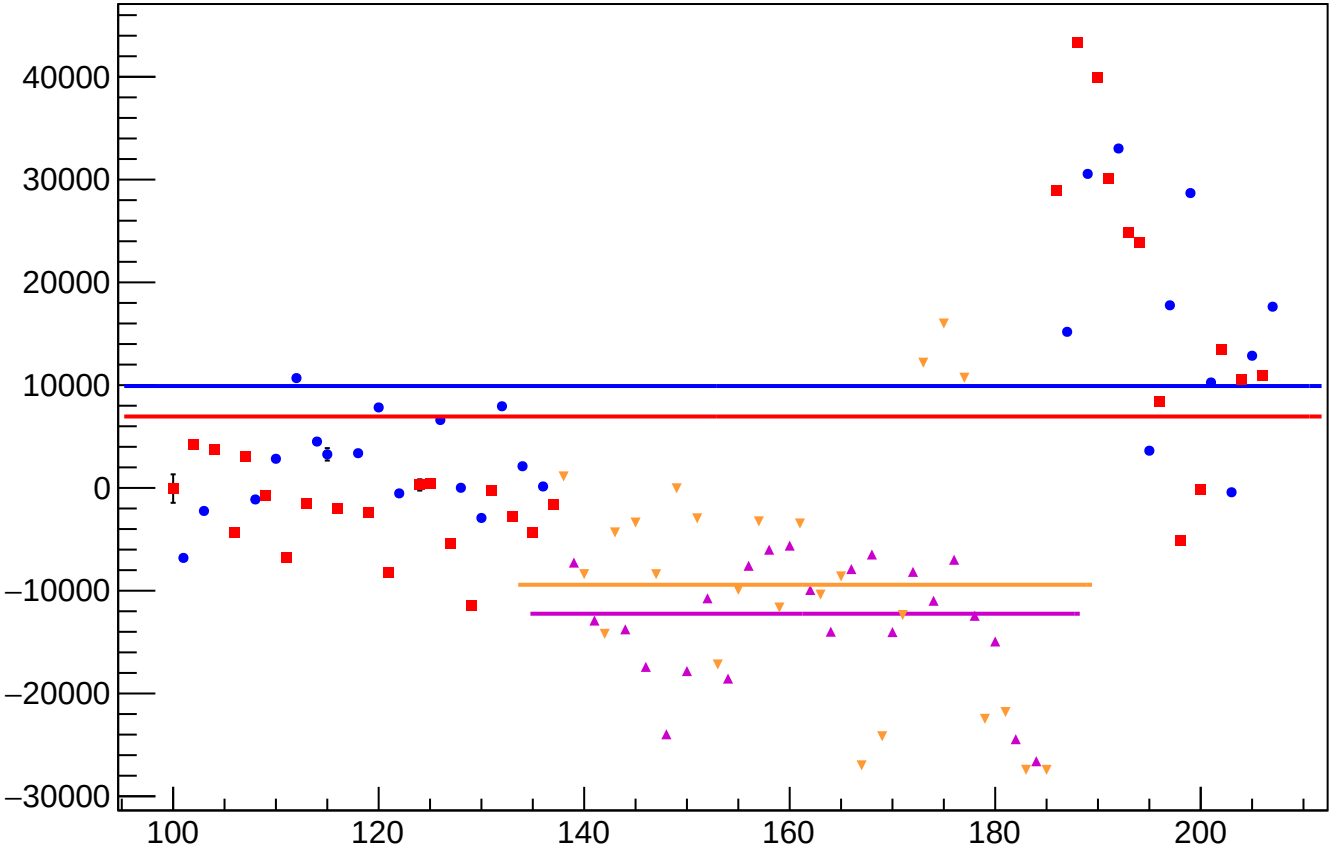
Right: 155.574+/-0.020 χ^2/NDF: 2843267.6/56

In: 166.019+/-0.021 χ^2/NDF:2820936.6/48

Out: 164.430+/-0.020 χ^2/NDF:3506284.5/55

All: 165.187+/-0.015 χ^2/NDF: 6330191.8/104

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9914.055+/-46.919 χ^2/NDF: 52836.7/25

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

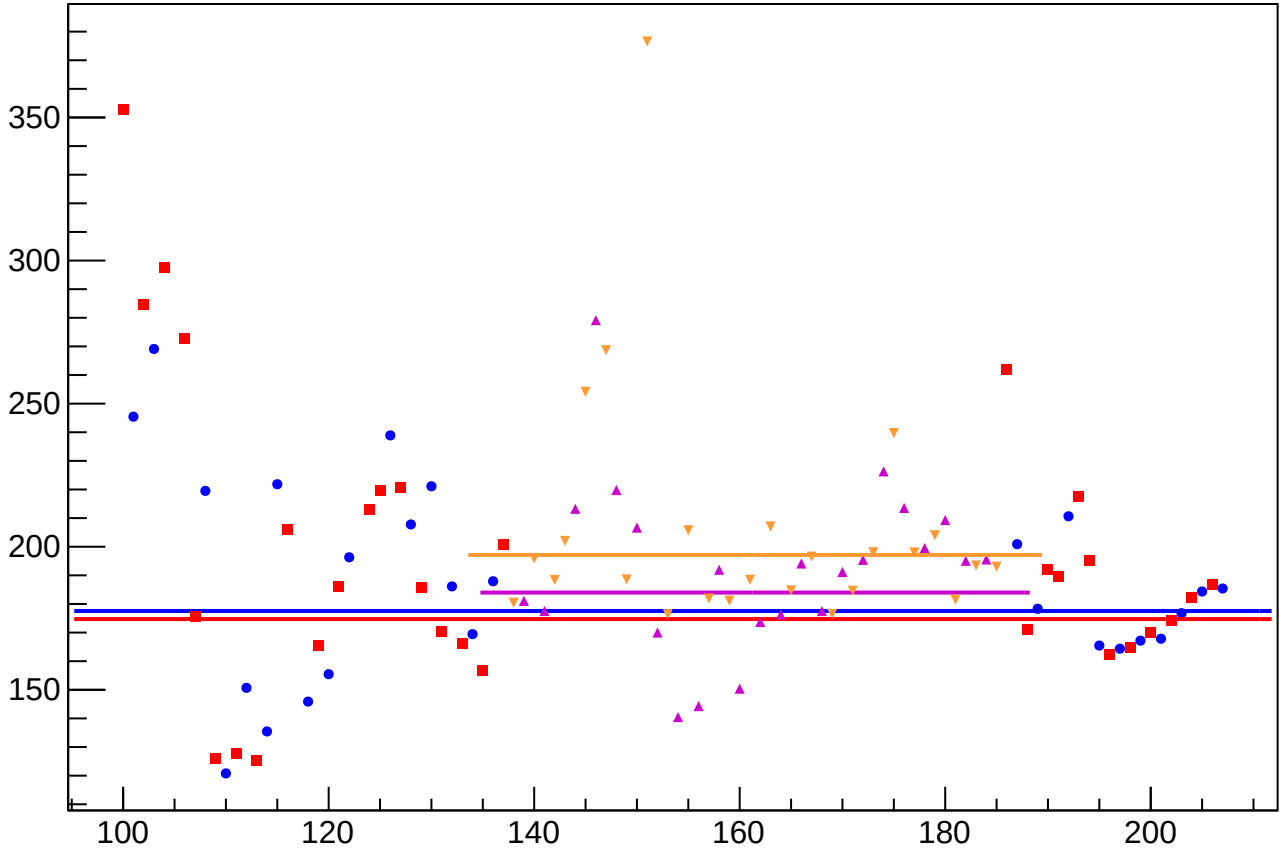
Right: 8347.789+/-32.219 χ^2/NDF: 160755.1/56

In: -1824.005+/-32.171 χ^2/NDF:186973.2/48

Out: -984.488+/-31.815 χ^2/NDF:236657.1/55

All: -1399.583+/-22.621 χ^2/NDF: 423974.6/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.541+/-0.033 χ^2/NDF: 765716.3/25

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

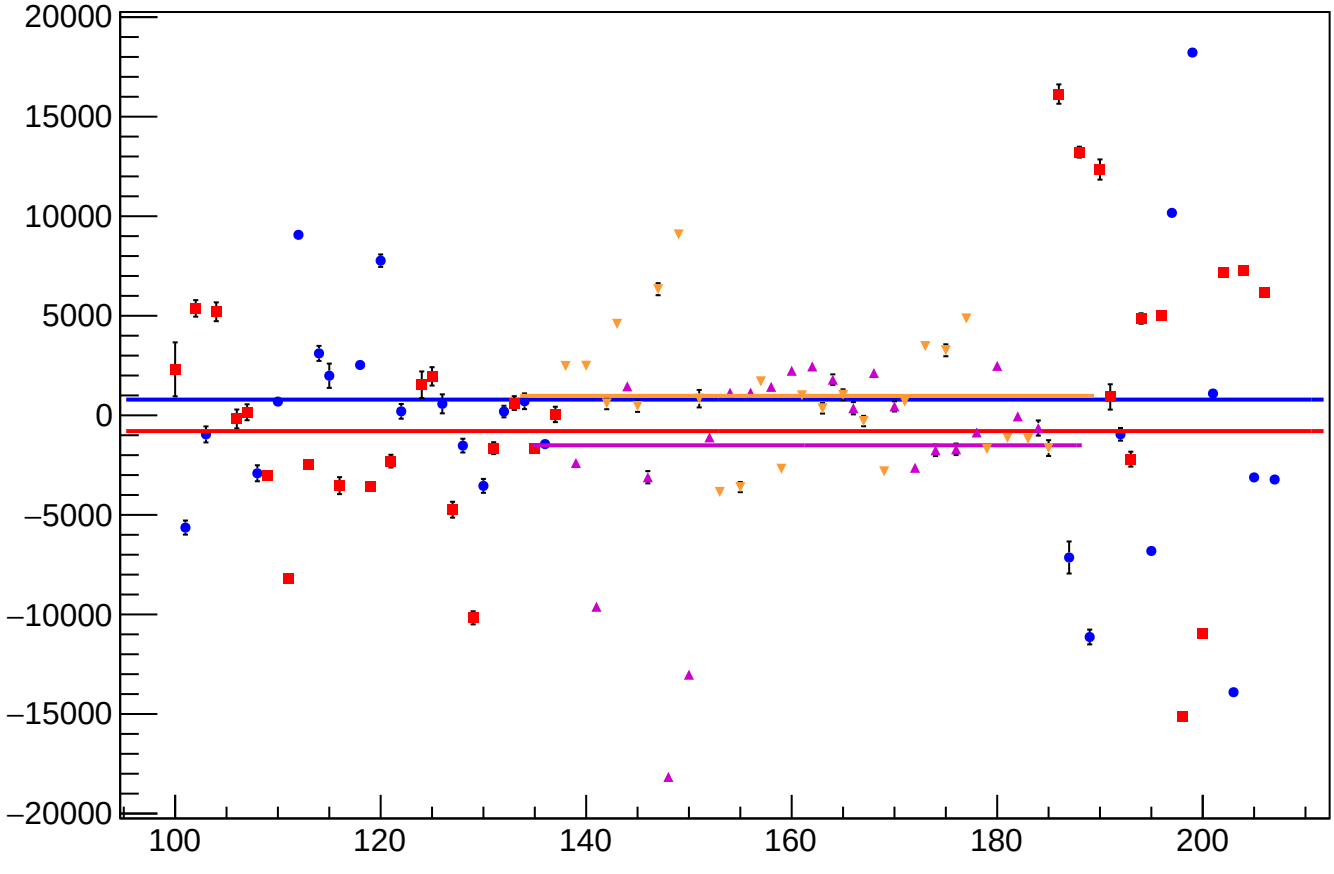
Right: 176.051+/-0.023 χ^2/NDF: 1975690.8/56

In: 180.956+/-0.023 χ^2/NDF:1615484.9/48

Out: 185.579+/-0.022 χ^2/NDF:2186321.2/55

All: 183.293+/-0.016 χ^2/NDF: 3822691.0/104

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 790.509+/-52.909 χ^2/NDF: 21040.5/25

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

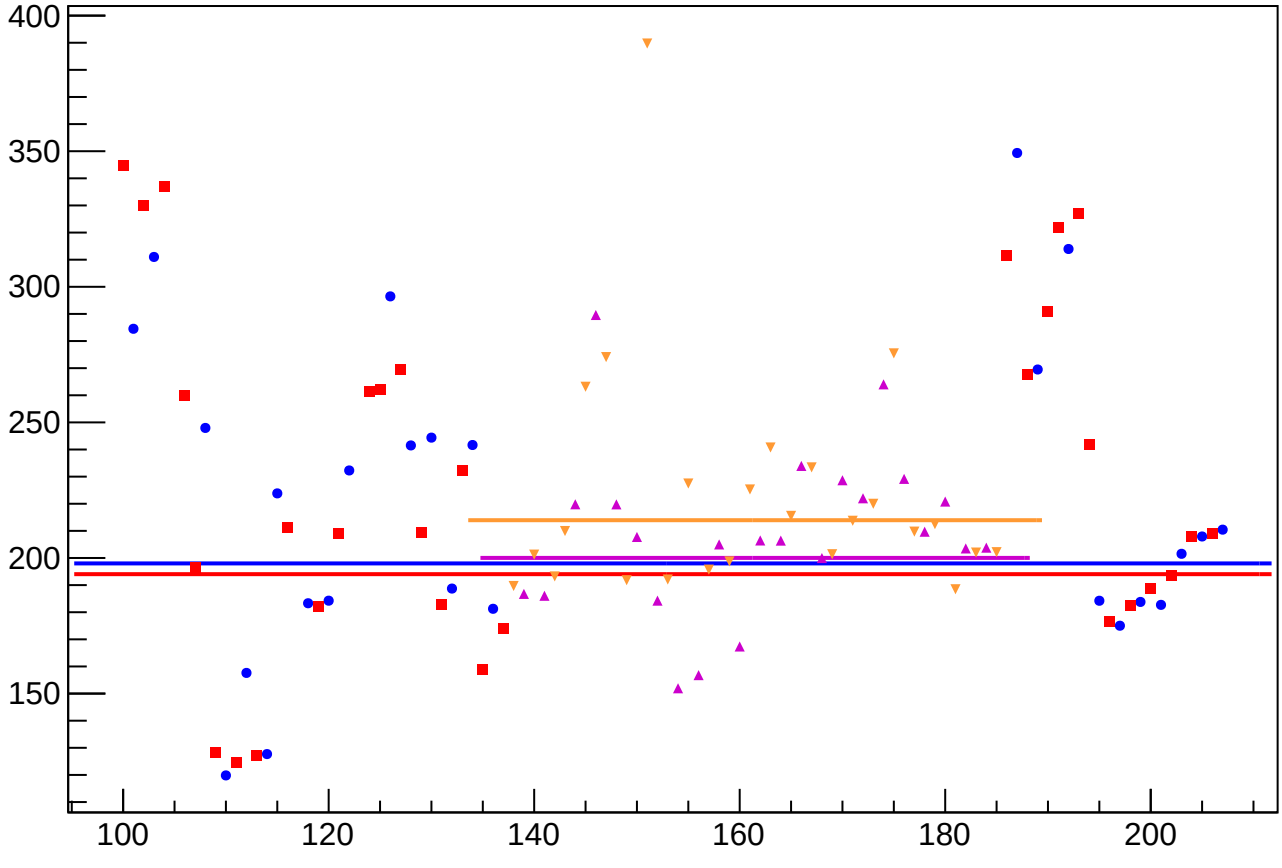
Right: -42.759+/-36.398 χ^2/NDF: 42412.4/56

In: -467.497+/-35.571 χ^2/NDF:33552.7/48

Out: 103.154+/-35.268 χ^2/NDF:25853.5/55

All: -179.732+/-25.045 χ^2/NDF: 59536.0/104

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.998+/-0.037 χ^2/NDF: 1451496.1/25

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

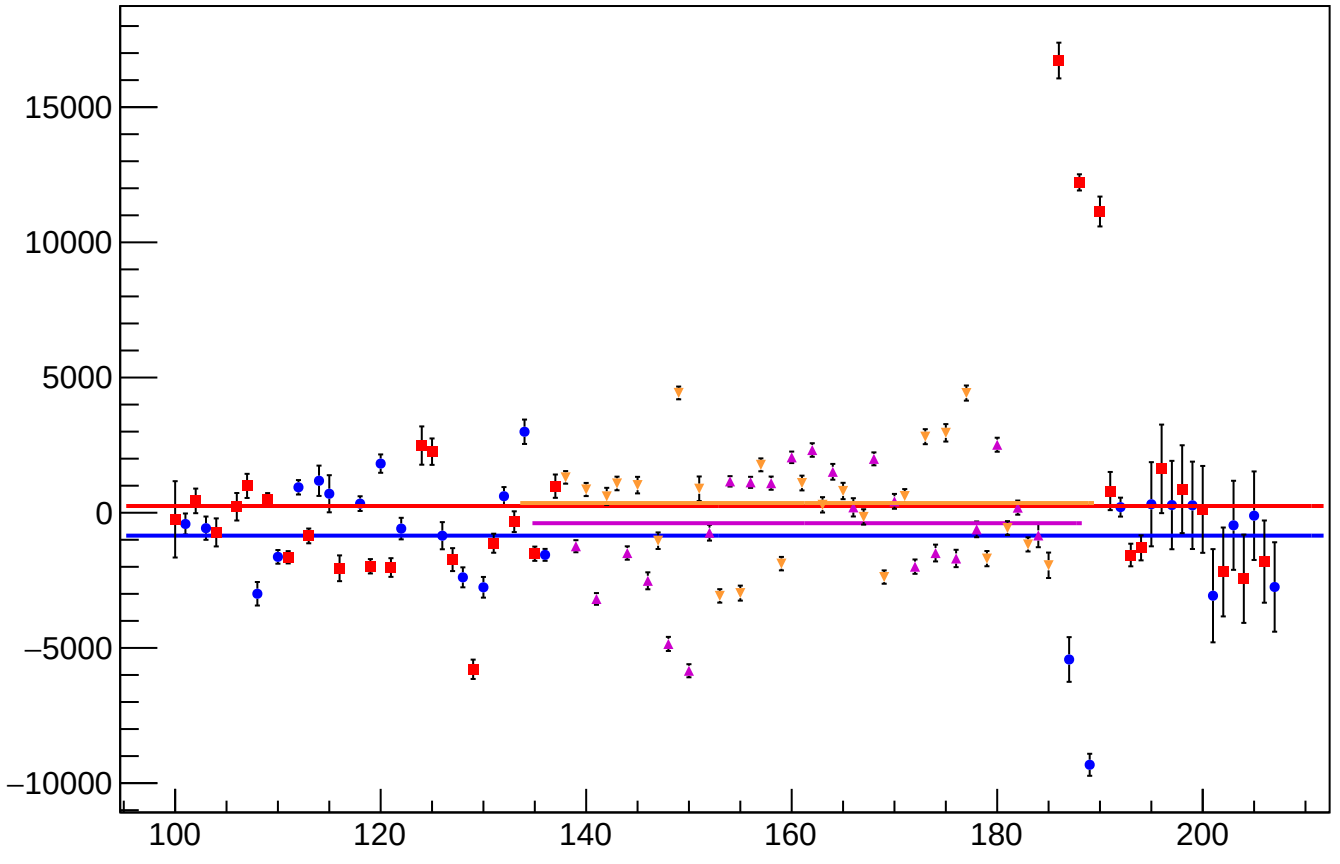
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.911+/-0.026 χ^2/NDF: 3711760.9/56

In: 199.112+/-0.025 χ^2/NDF:2238639.1/48

Out: 204.092+/-0.025 χ^2/NDF:3147097.4/55

All: 201.623+/-0.018 χ^2/NDF: 5405503.5/104



Right In: -846.748+/-81.287 χ^2/NDF: 801.0/25

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

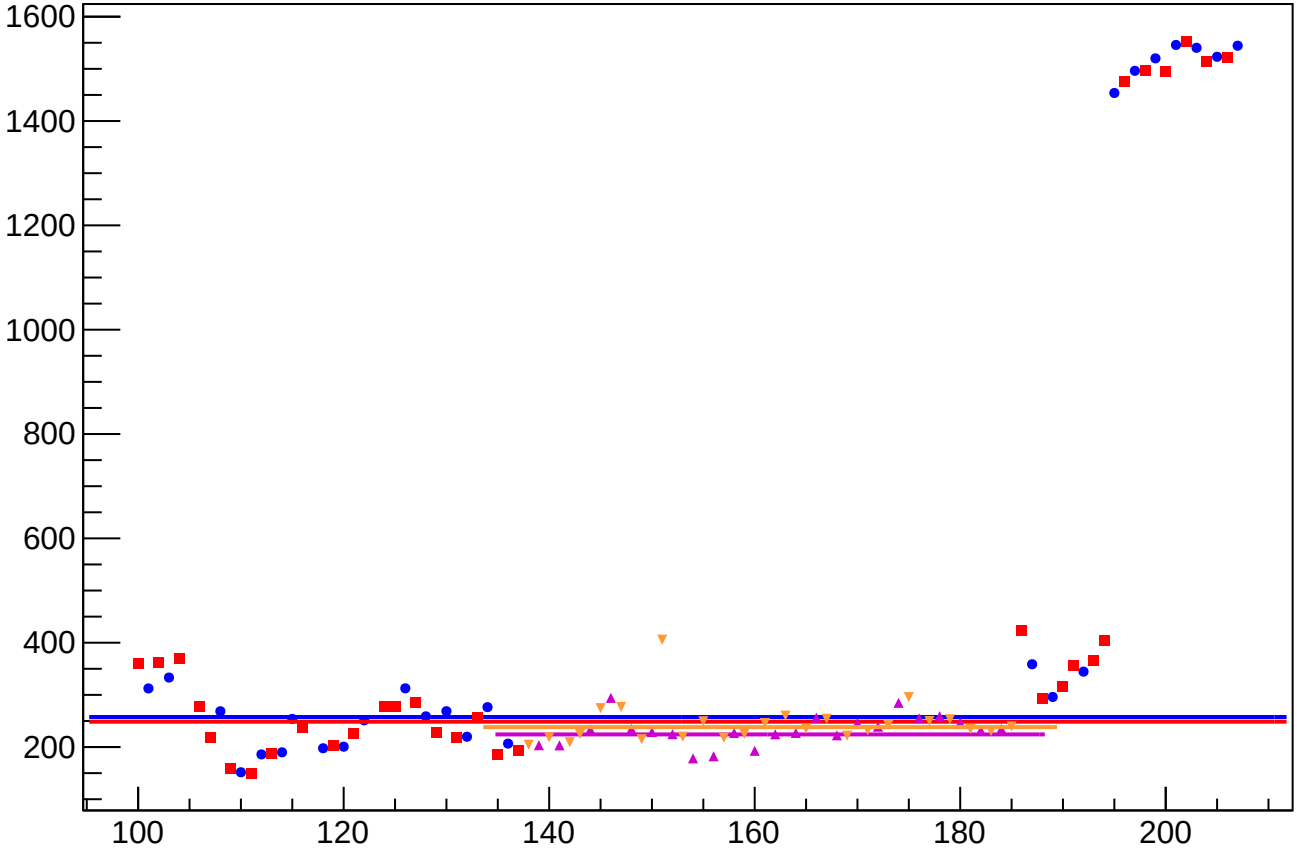
Right: -245.513+/-54.604 χ^2/NDF: 4176.4/56

In: -526.021+/-44.706 χ^2/NDF:2627.5/48

Out: 319.416+/-44.077 χ^2/NDF:4696.0/55

All: -97.313+/-31.387 χ^2/NDF: 7504.8/104

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 257.586+/-0.057 χ^2/NDF: 9399141.9/25

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

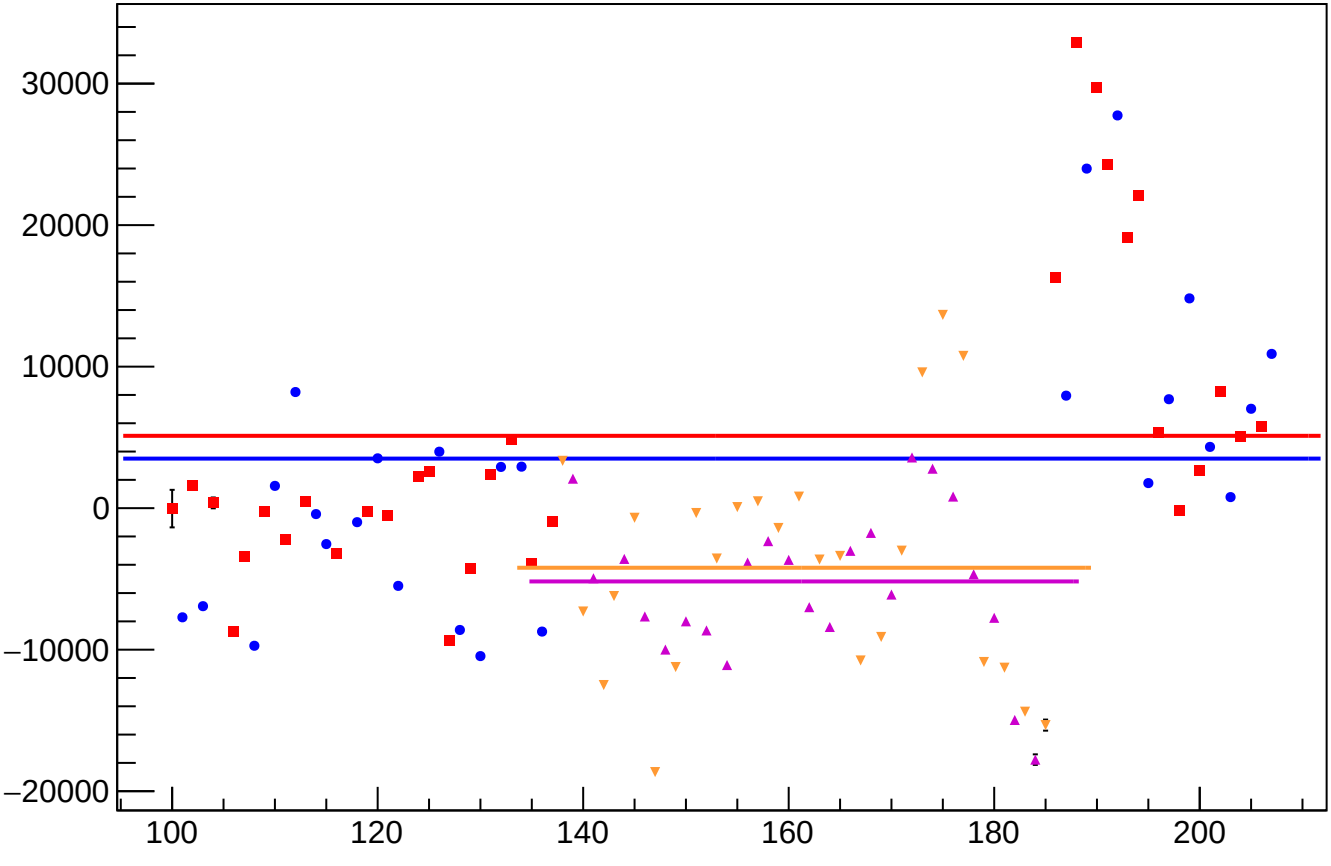
Right: 252.673+/-0.039 χ^2/NDF: 18779049.7/56

In: 234.307+/-0.032 χ^2/NDF:10197540.7/48

Out: 241.930+/-0.031 χ^2/NDF:9960266.5/55

All: 238.172+/-0.022 χ^2/NDF: 20187294.2/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3502.114+/-35.473 χ^2/NDF: 77968.6/25

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

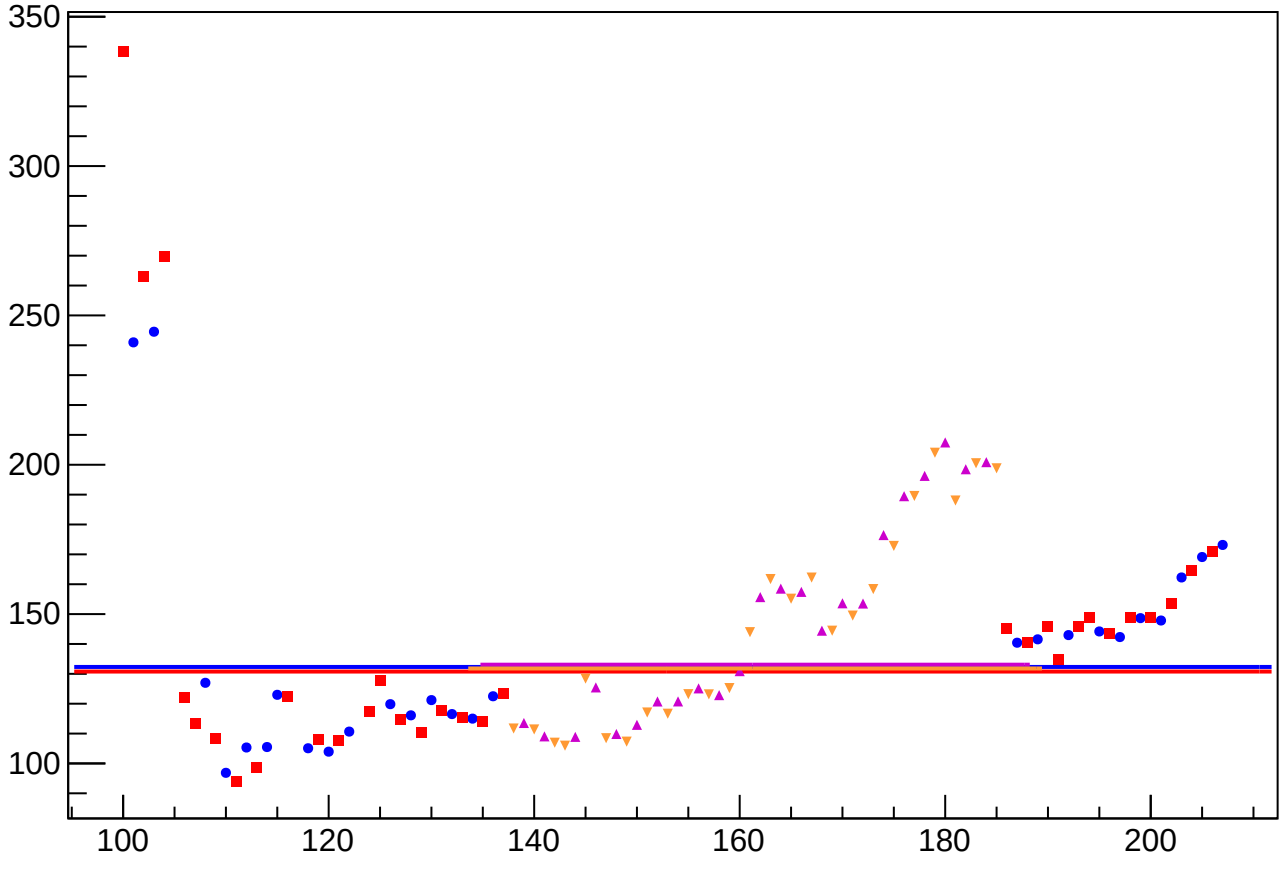
Right: 4355.193+/-24.318 χ^2/NDF: 181963.3/56

In: -1287.764+/-23.748 χ^2/NDF:129552.1/48

Out: 77.591+/-22.654 χ^2/NDF:201768.5/55

All: -572.915+/-16.392 χ^2/NDF: 333051.2/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 132.306+/-0.025 χ^2/NDF: 1222069.7/25

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

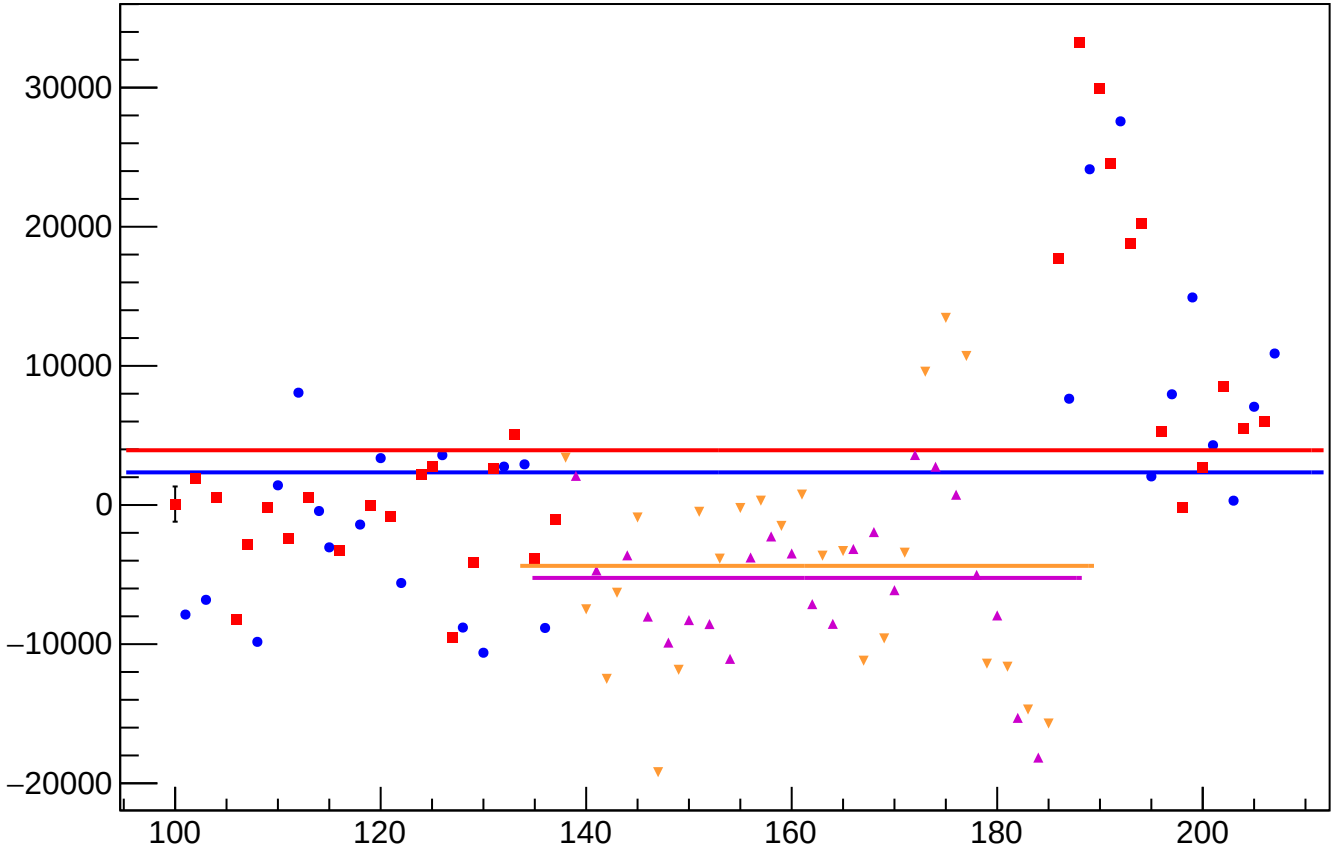
Right: 131.490+/-0.017 χ^2/NDF: 2669833.4/56

In: 132.723+/-0.017 χ^2/NDF:2640821.8/48

Out: 131.323+/-0.016 χ^2/NDF:2991135.6/55

All: 131.990+/-0.012 χ^2/NDF: 5635594.4/104

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 2346.227+/-31.773 χ^2/NDF: 86540.3/25

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 3935.383+/-30.127 χ^2/NDF: 110899.9/30

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

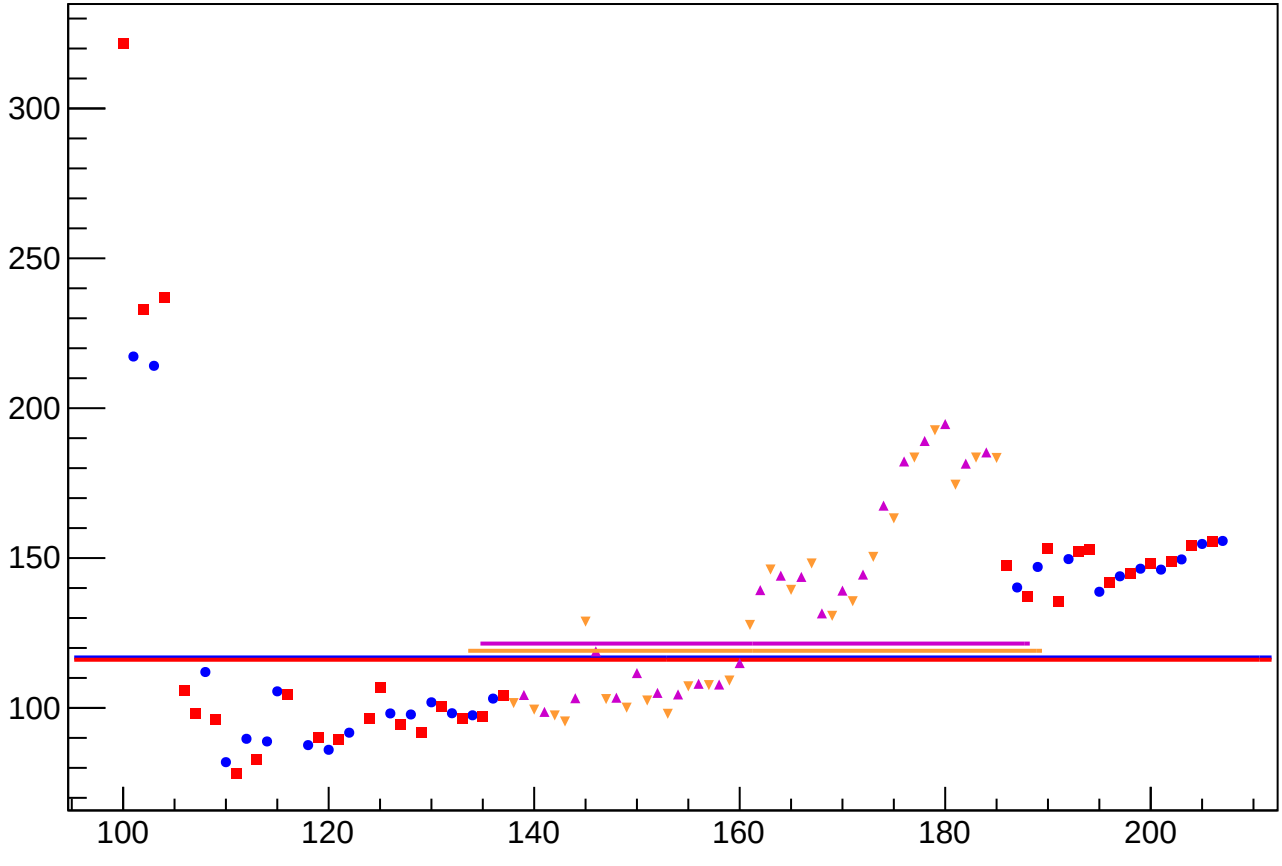
Right: 3183.035+/-21.862 χ^2/NDF: 198757.5/56

In: -1759.728+/-21.520 χ^2/NDF:139666.7/48

Out: -528.935+/-20.492 χ^2/NDF:218982.1/55

All: -1114.229+/-14.840 χ^2/NDF: 360364.3/1

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 116.837+/-0.022 χ^2/NDF: 1865434.6/25

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

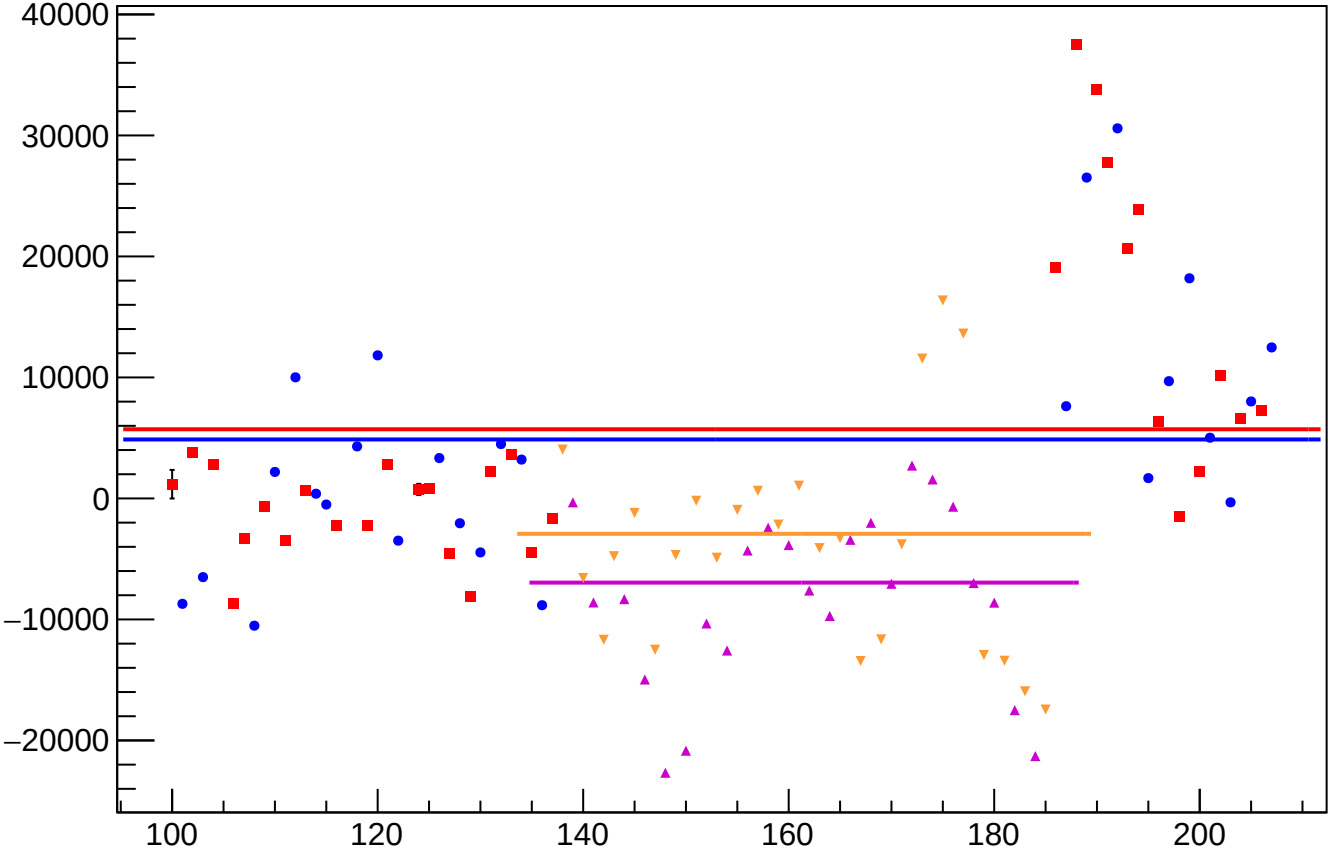
Right: 116.435+/-0.015 χ^2/NDF: 4124364.9/56

In: 119.343+/-0.015 χ^2/NDF:3417809.5/48

Out: 117.681+/-0.014 χ^2/NDF:4024339.2/55

All: 118.471+/-0.010 χ^2/NDF: 7448410.5/104

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 4873.521+/-41.741 χ^2/NDF: 62454.8/25

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

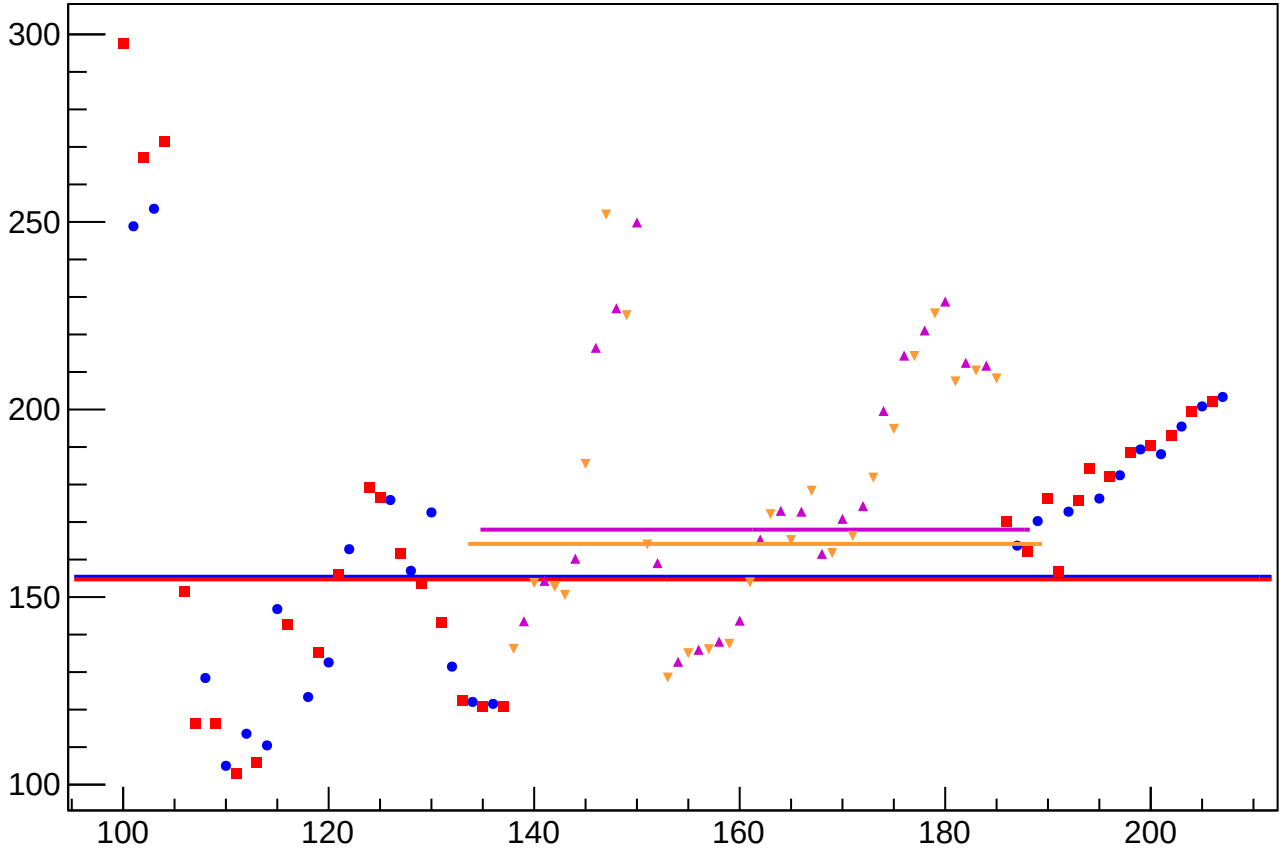
Right: 5316.998+/-28.739 χ^2/NDF: 155190.8/56

In: -1257.448+/-28.972 χ^2/NDF:126423.9/48

Out: 1236.611+/-27.497 χ^2/NDF:155221.6/55

All: 54.680+/-19.944 χ^2/NDF: 285544.3/104

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 155.418+/-0.030 χ^2/NDF: 1506013.2/25

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

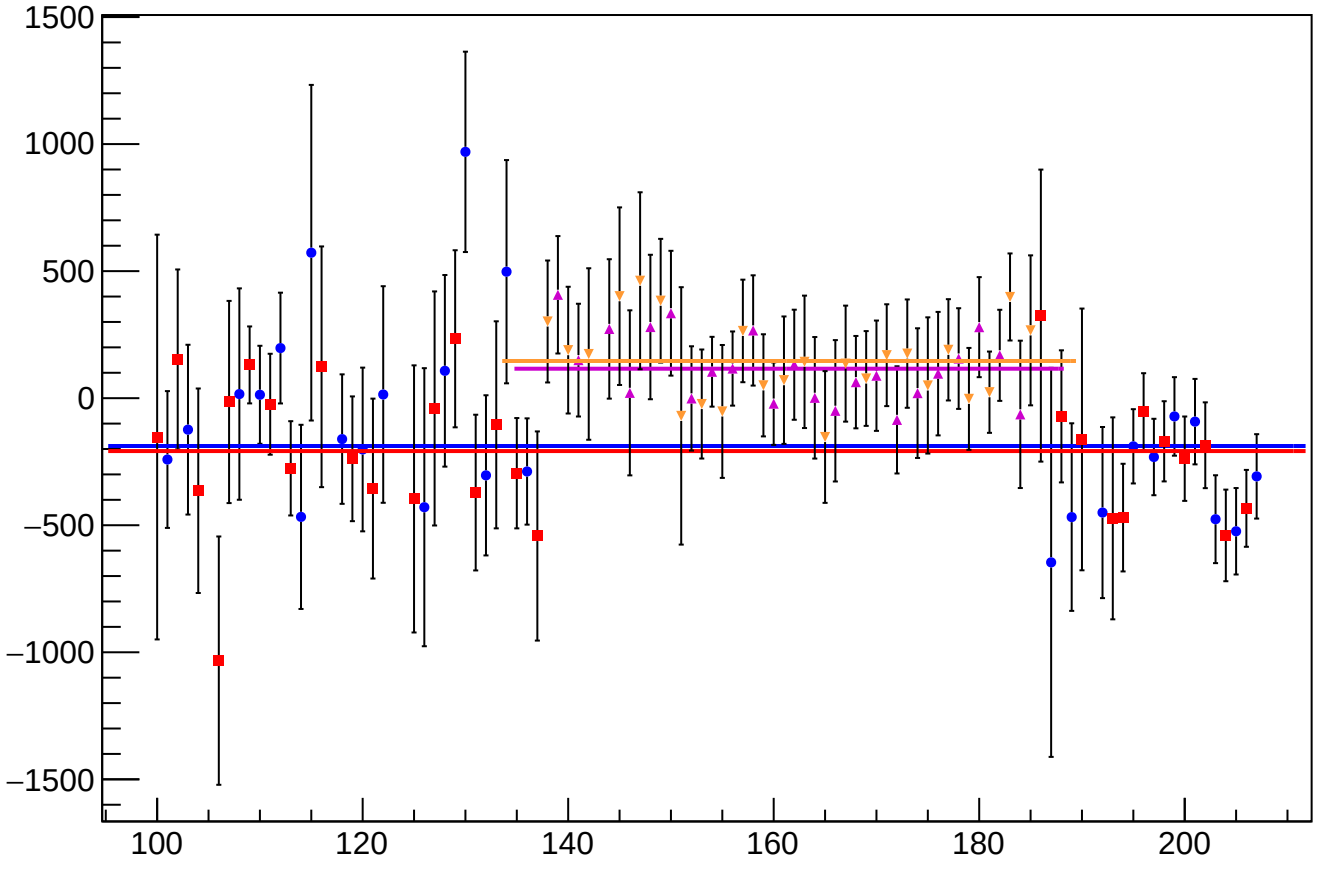
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 155.047+/-0.020 χ^2/NDF: 3236411.0/56

In: 161.925+/-0.020 χ^2/NDF:2822564.7/48

Out: 159.618+/-0.019 χ^2/NDF:3013603.6/55

All: 160.711+/-0.014 χ^2/NDF: 5842844.7/104



Right In: -188.211+/-46.513 χ^2/NDF: 28.6/25

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

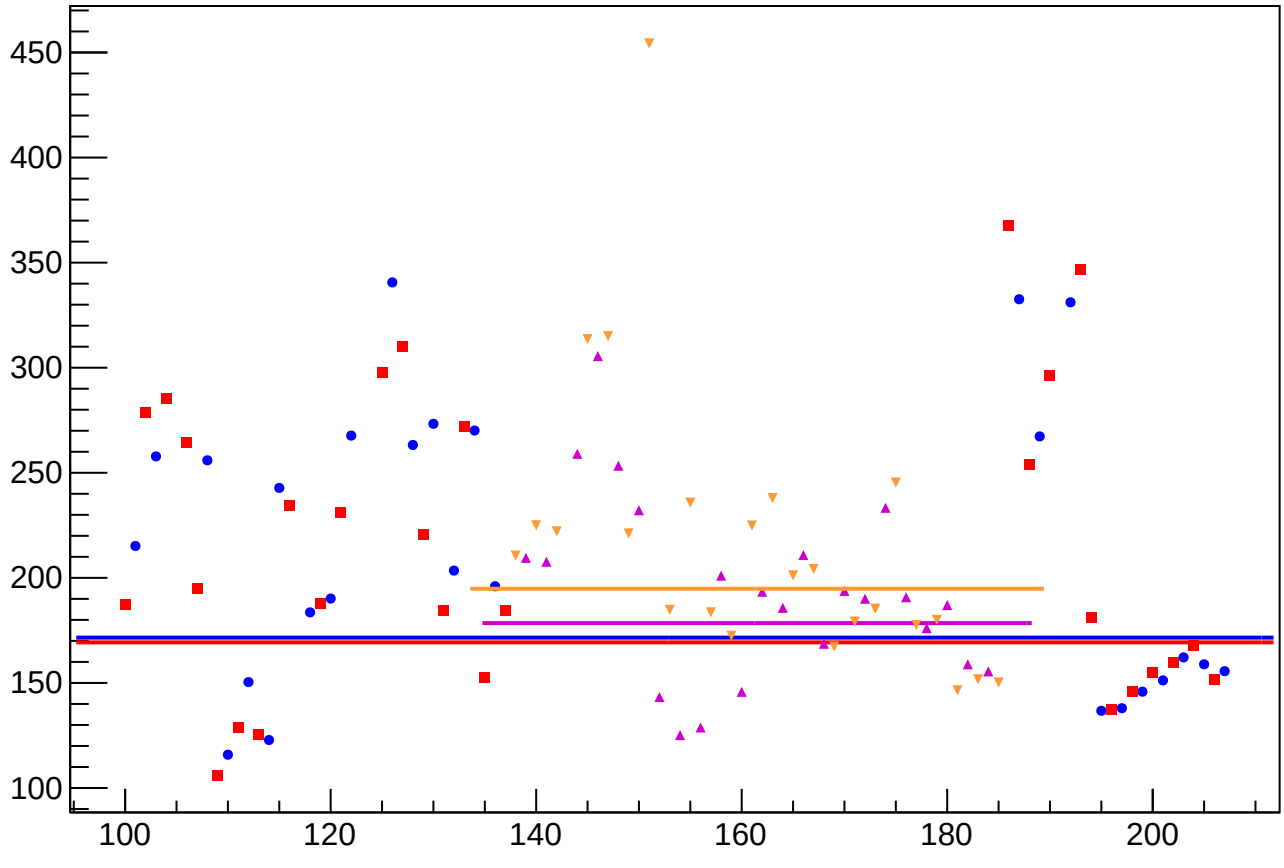
Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

Right: -198.488+/-32.355 χ^2/NDF: 52.6/54

In: -26.313+/-31.812 χ^2/NDF:59.0/48

Out: -38.175+/-32.494 χ^2/NDF:63.5/52

All: -32.118+/-22.732 χ^2/NDF: 122.6/101



Right In: 171.561+/-0.033 χ^2/NDF: 2222404.0/25

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

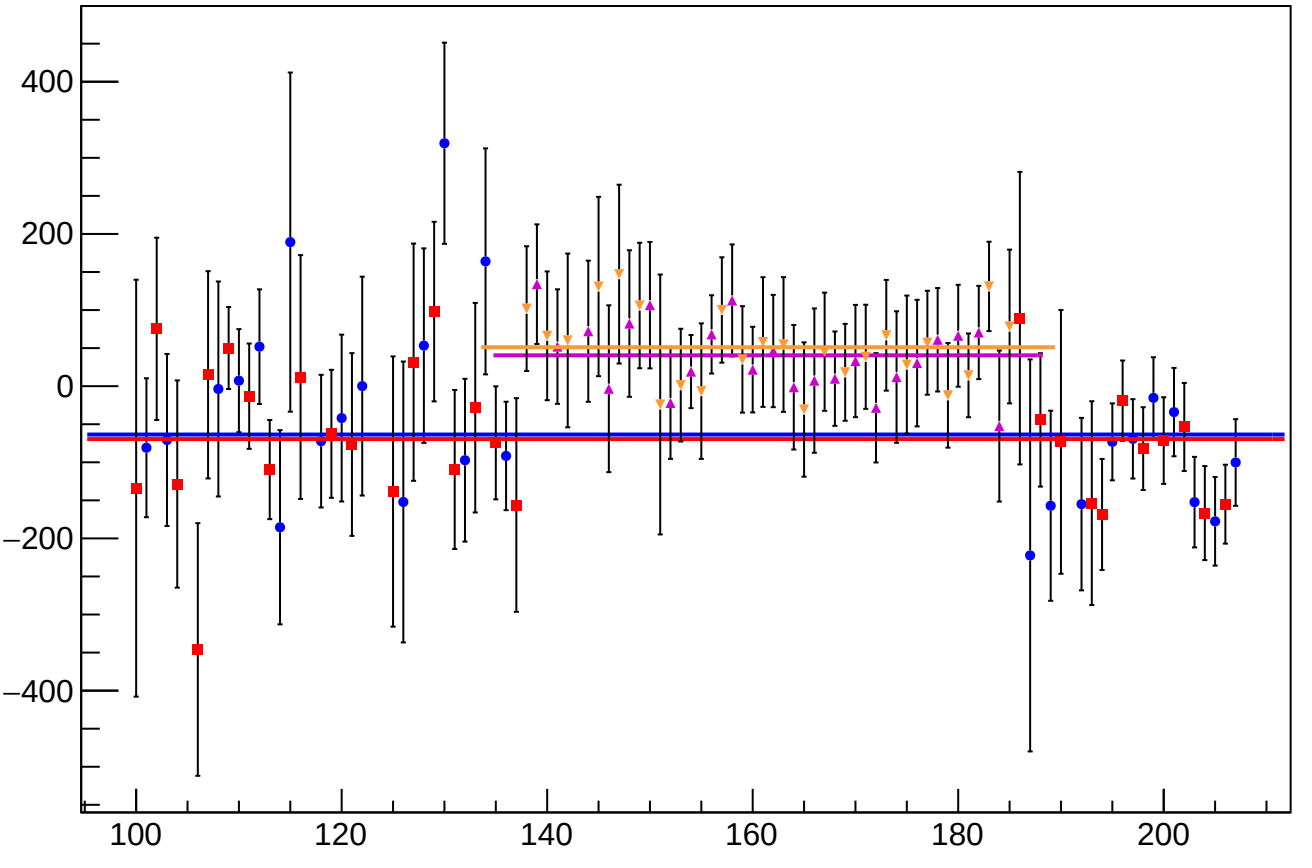
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 170.397+/-0.023 χ^2/NDF: 4976409.7/54

In: 175.241+/-0.022 χ^2/NDF:3922196.8/48

Out: 181.542+/-0.023 χ^2/NDF:4811991.8/52

All: 178.325+/-0.016 χ^2/NDF: 8772596.1/101



Right In: -63.538+/-15.978 χ^2/NDF: 27.4/25

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

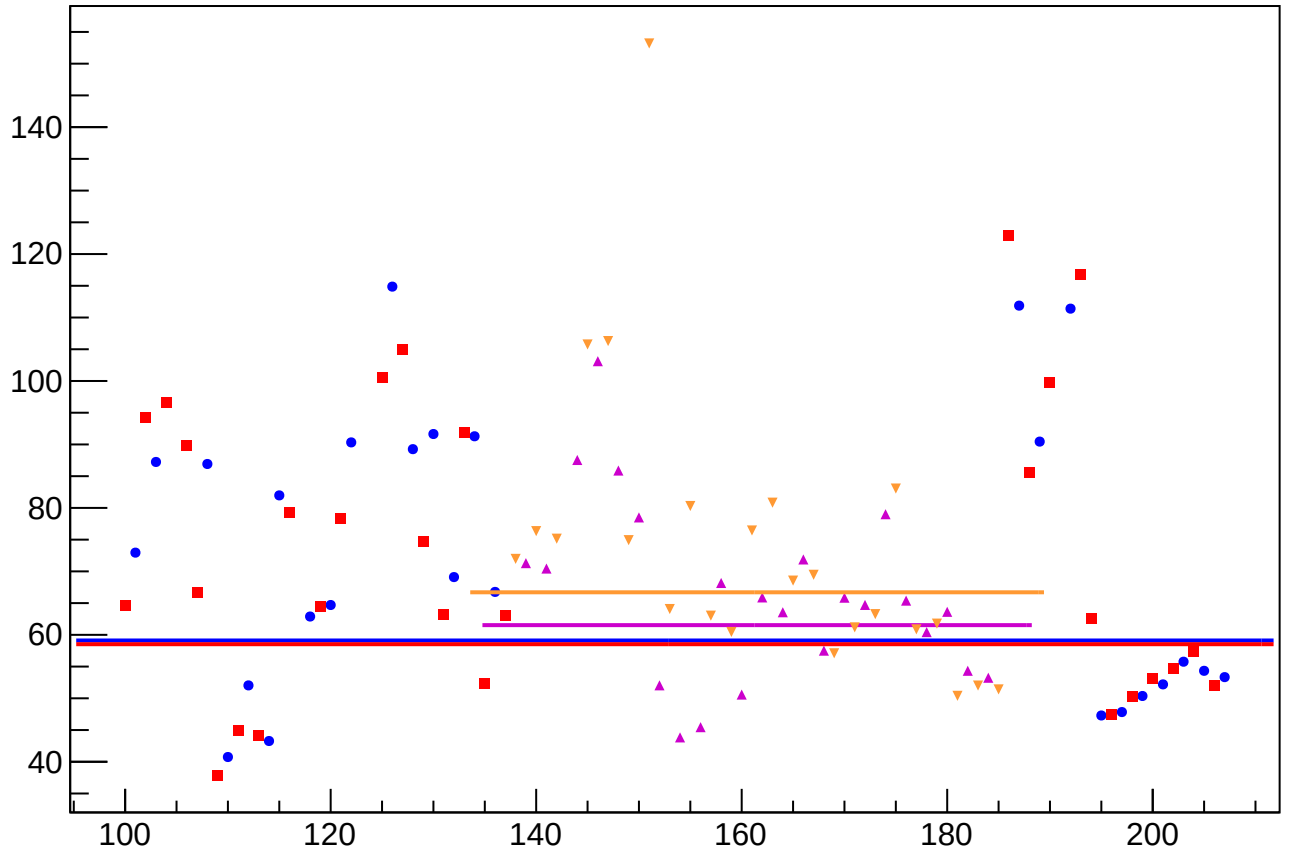
Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

Right: -66.615+/-11.126 χ^2/NDF: 51.0/54

In: -8.139+/-10.927 χ^2/NDF:57.8/48

Out: -11.224+/-11.146 χ^2/NDF:61.0/52

All: -9.651+/-7.803 χ^2/NDF: 118.8/101



Right In: 59.110+/-0.011 χ^2/NDF: 2078393.0/25

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

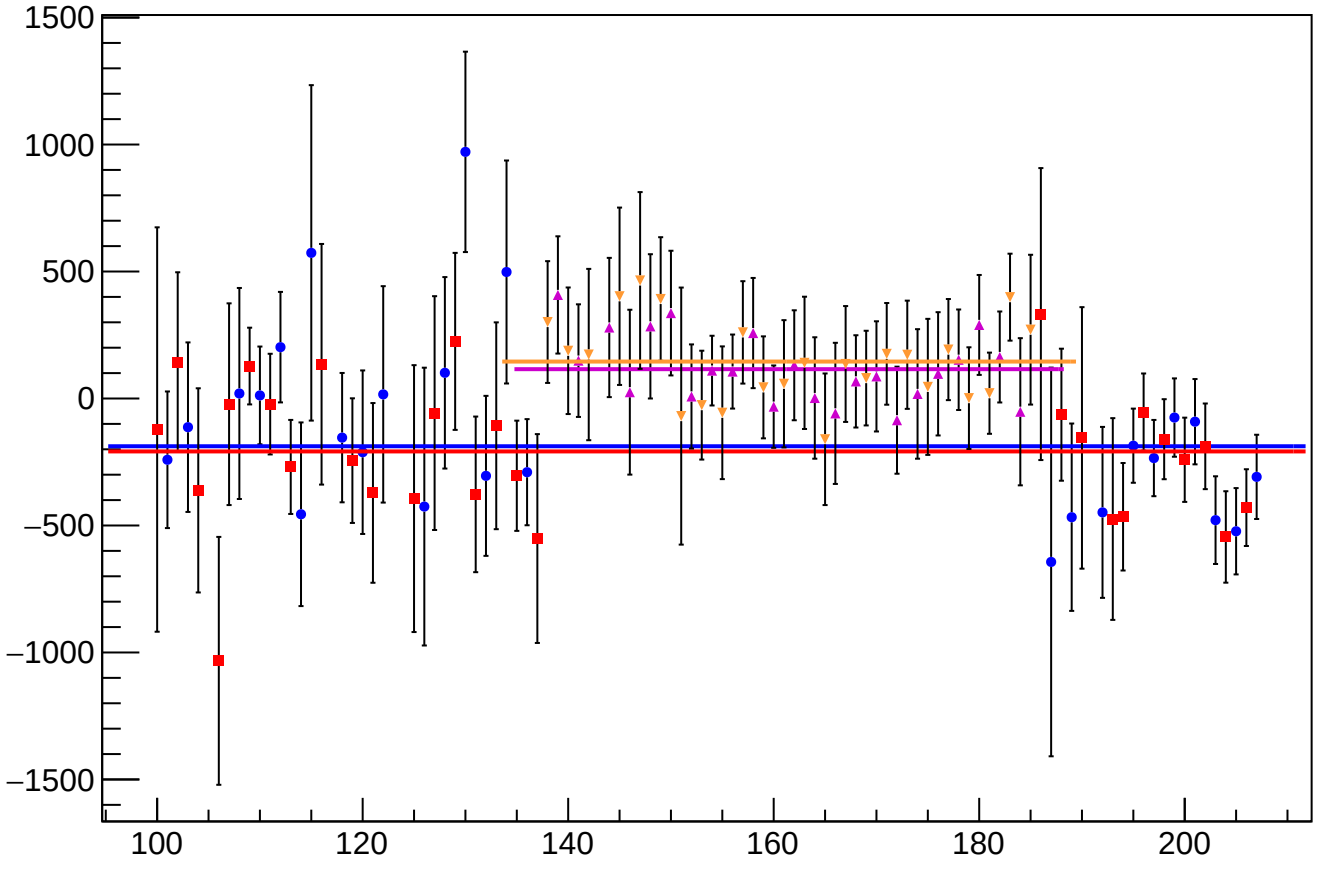
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 58.808+/-0.008 χ^2/NDF: 4632850.3/54

In: 60.397+/-0.008 χ^2/NDF:3592641.4/48

Out: 62.474+/-0.008 χ^2/NDF:4498355.8/52

All: 61.415+/-0.006 χ^2/NDF: 8126413.3/101



Right In: -188.008+/-46.452 χ^2/NDF: 28.7/25

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

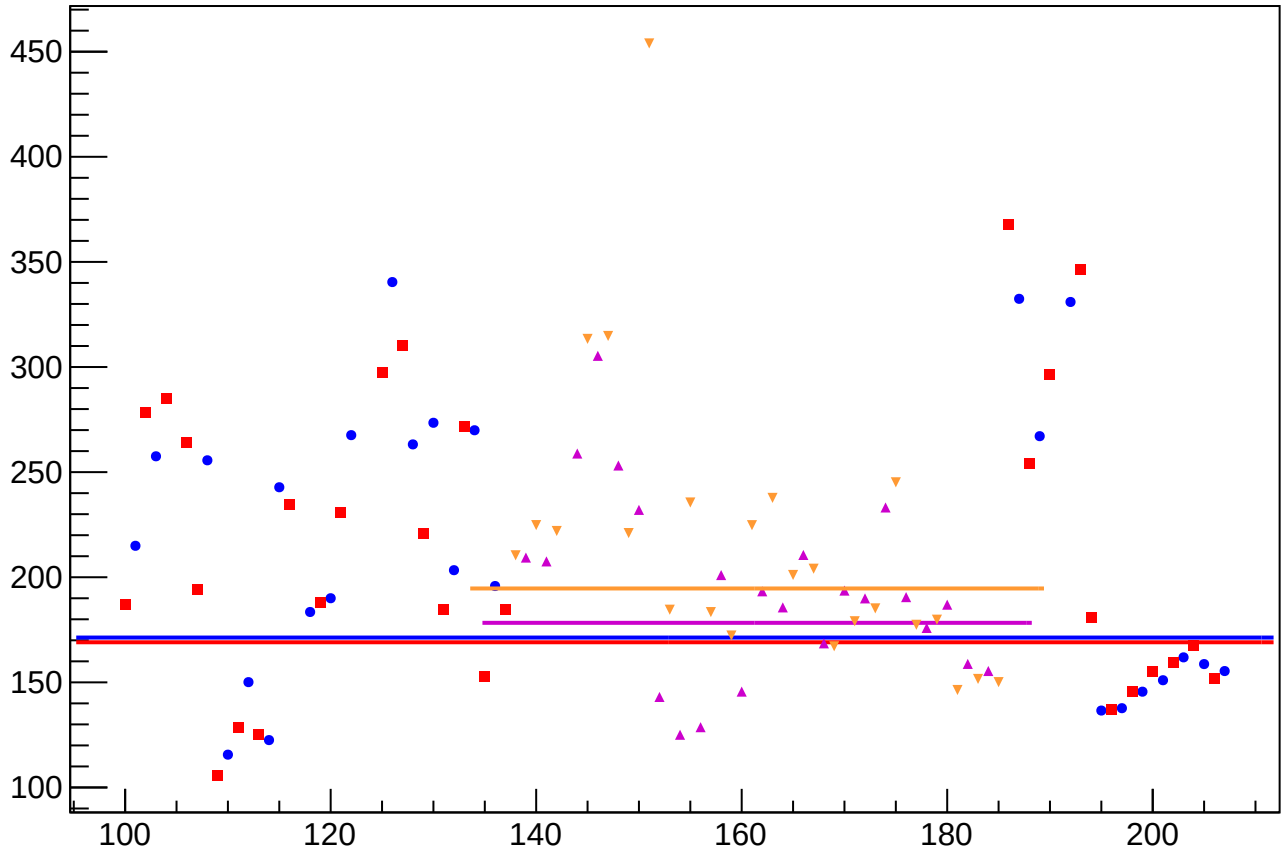
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -198.519+/-32.314 χ^2/NDF: 52.8/54

In: -26.548+/-31.778 χ^2/NDF:59.2/48

Out: -38.796+/-32.460 χ^2/NDF:63.8/52

All: -32.542+/-22.708 χ^2/NDF: 123.1/101



Right In: 171.316+/-0.033 χ^2/NDF: 2228954.8/25

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

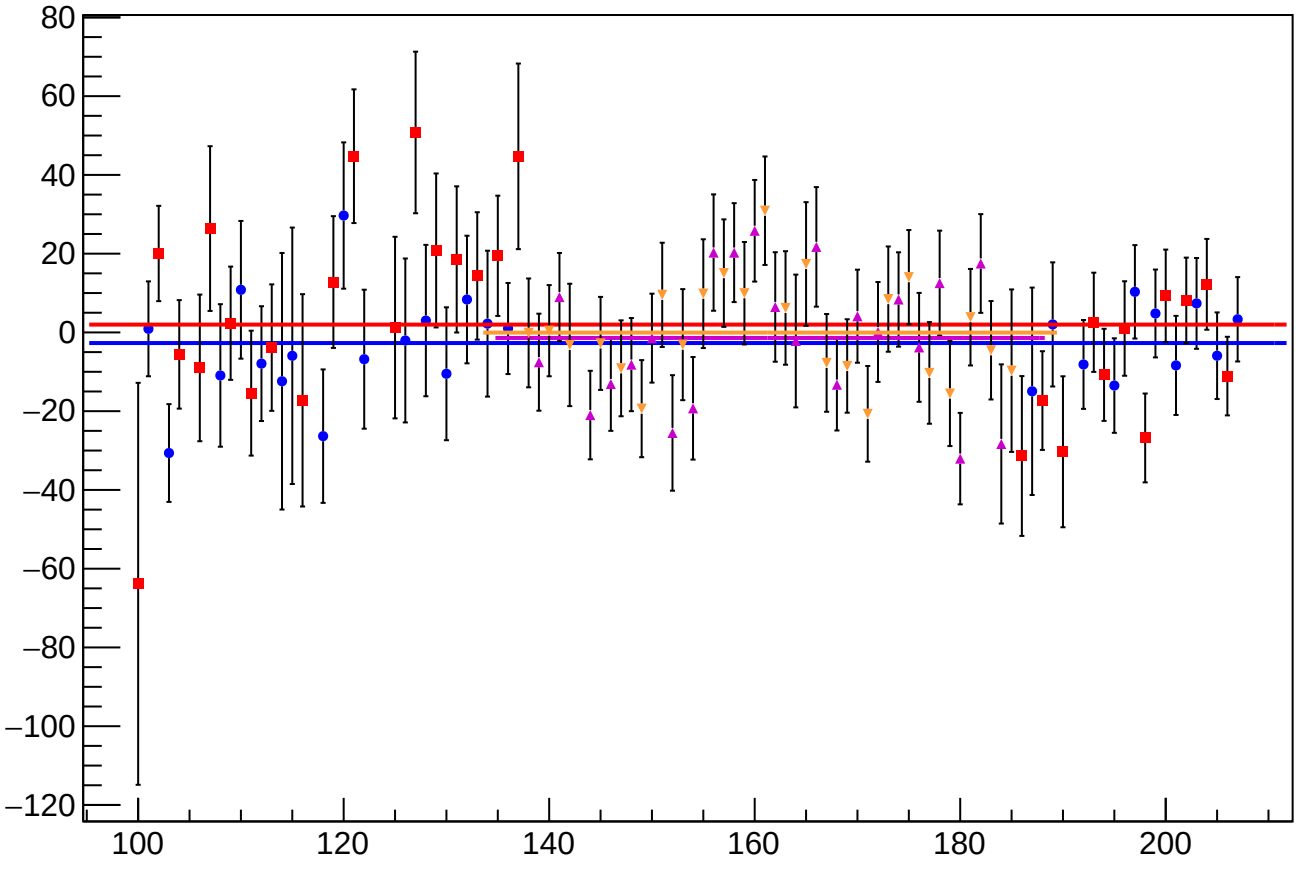
Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

Right: 170.157+/-0.023 χ^2/NDF: 4991100.2/54

In: 175.041+/-0.022 χ^2/NDF:3931467.0/48

Out: 181.333+/-0.023 χ^2/NDF:4823059.0/52

All: 178.120+/-0.016 χ^2/NDF: 8792899.2/101



Right In: -2.697+/-2.830 χ^2/NDF: 16.5/25

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

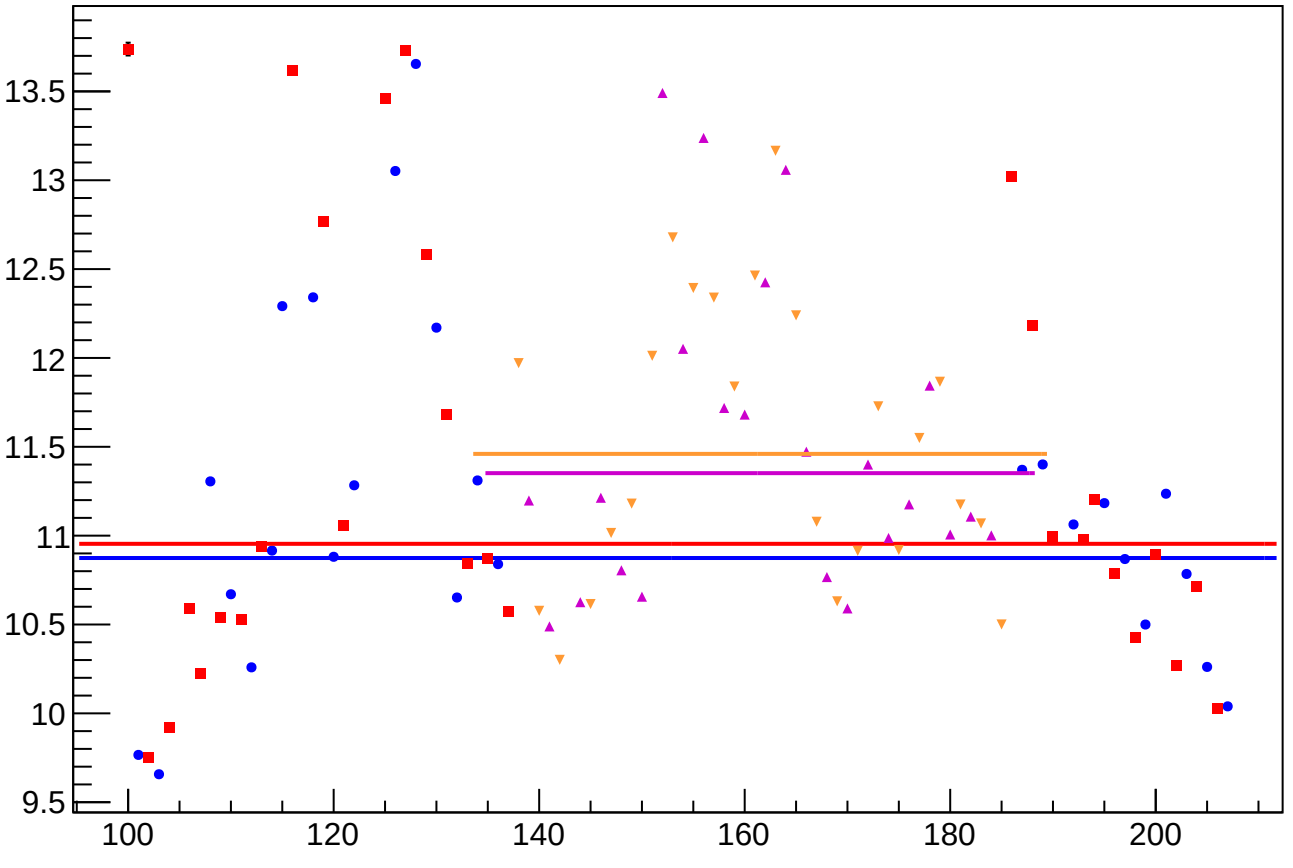
Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

Right: -0.293+/-1.975 χ^2/NDF: 63.8/54

In: -2.015+/-1.944 χ^2/NDF:53.0/48

Out: 0.943+/-1.923 χ^2/NDF:66.6/52

All: -0.520+/-1.367 χ^2/NDF: 120.8/101



Right In: 10.874+/-0.002 χ^2/NDF: 165192.5/25

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

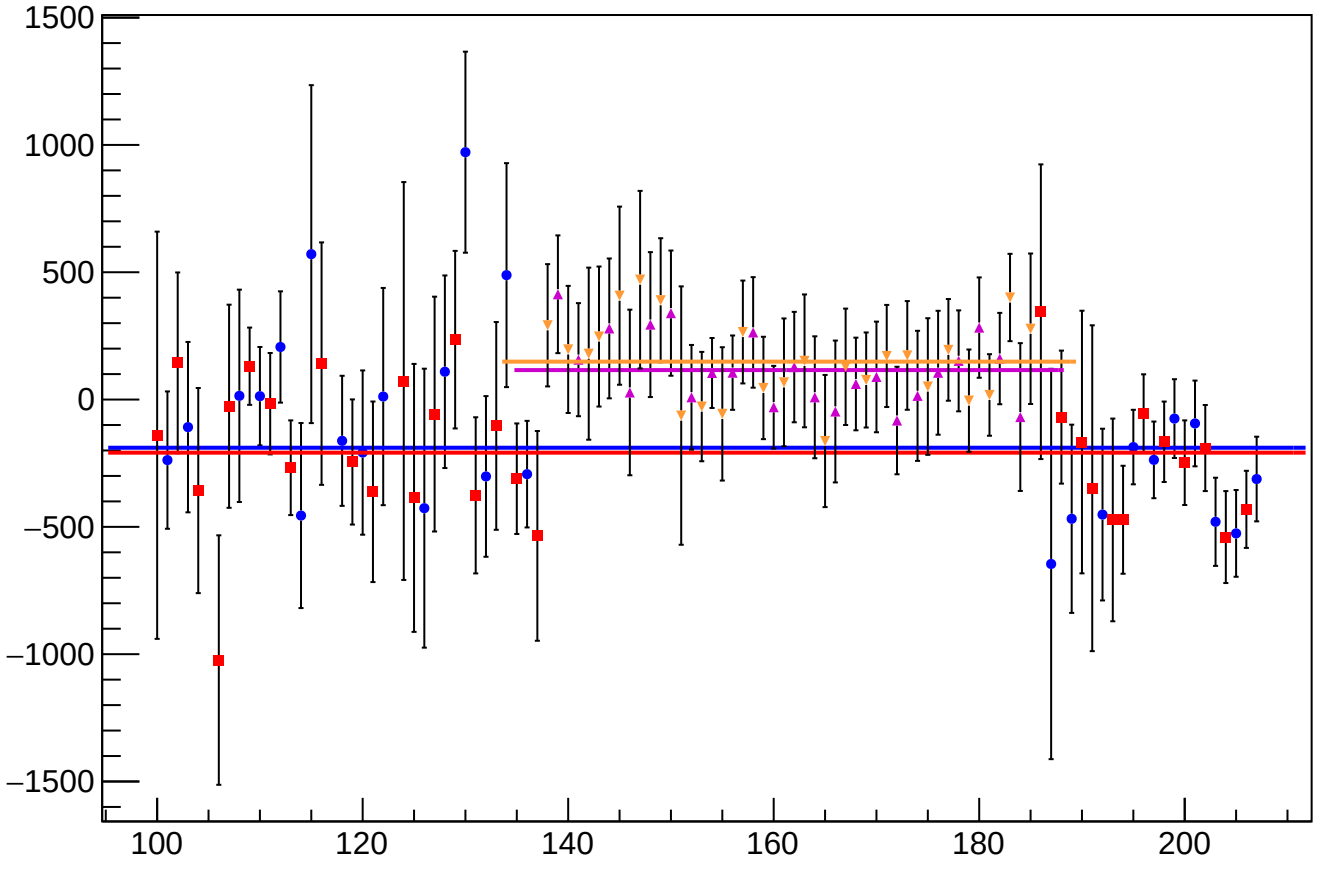
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.915+/-0.001 χ^2/NDF: 402022.8/54

In: 11.127+/-0.001 χ^2/NDF:365838.8/48

Out: 11.214+/-0.001 χ^2/NDF:421047.7/52

All: 11.171+/-0.001 χ^2/NDF: 788916.7/101



Right In: -189.182+/-46.577 χ^2/NDF: 28.8/25

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

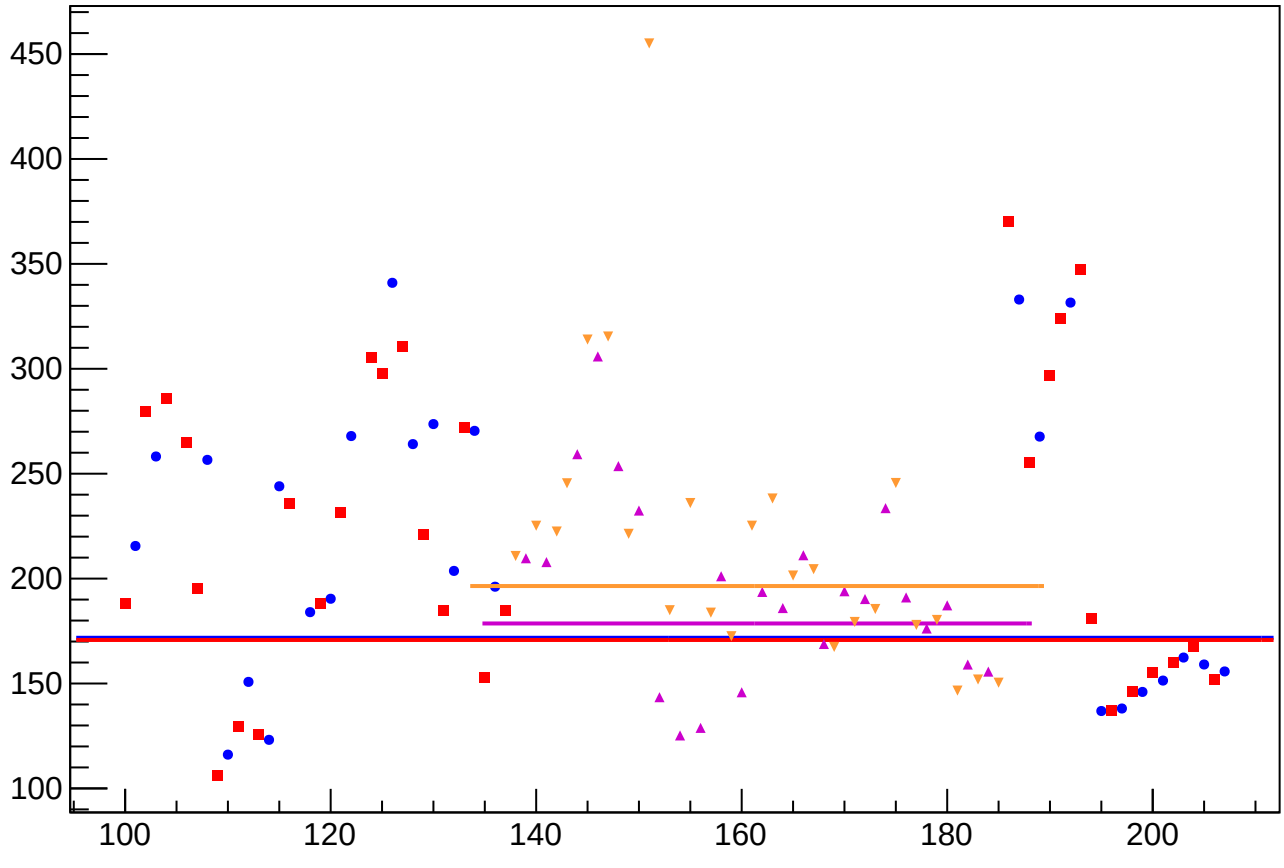
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -199.233+/-32.332 χ^2/NDF: 52.9/56

In: -26.825+/-31.846 χ^2/NDF:59.4/48

Out: -35.276+/-32.242 χ^2/NDF:65.2/55

All: -30.998+/-22.657 χ^2/NDF: 124.6/104



Right In: 171.793+/-0.033 χ^2/NDF: 2223610.6/25

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

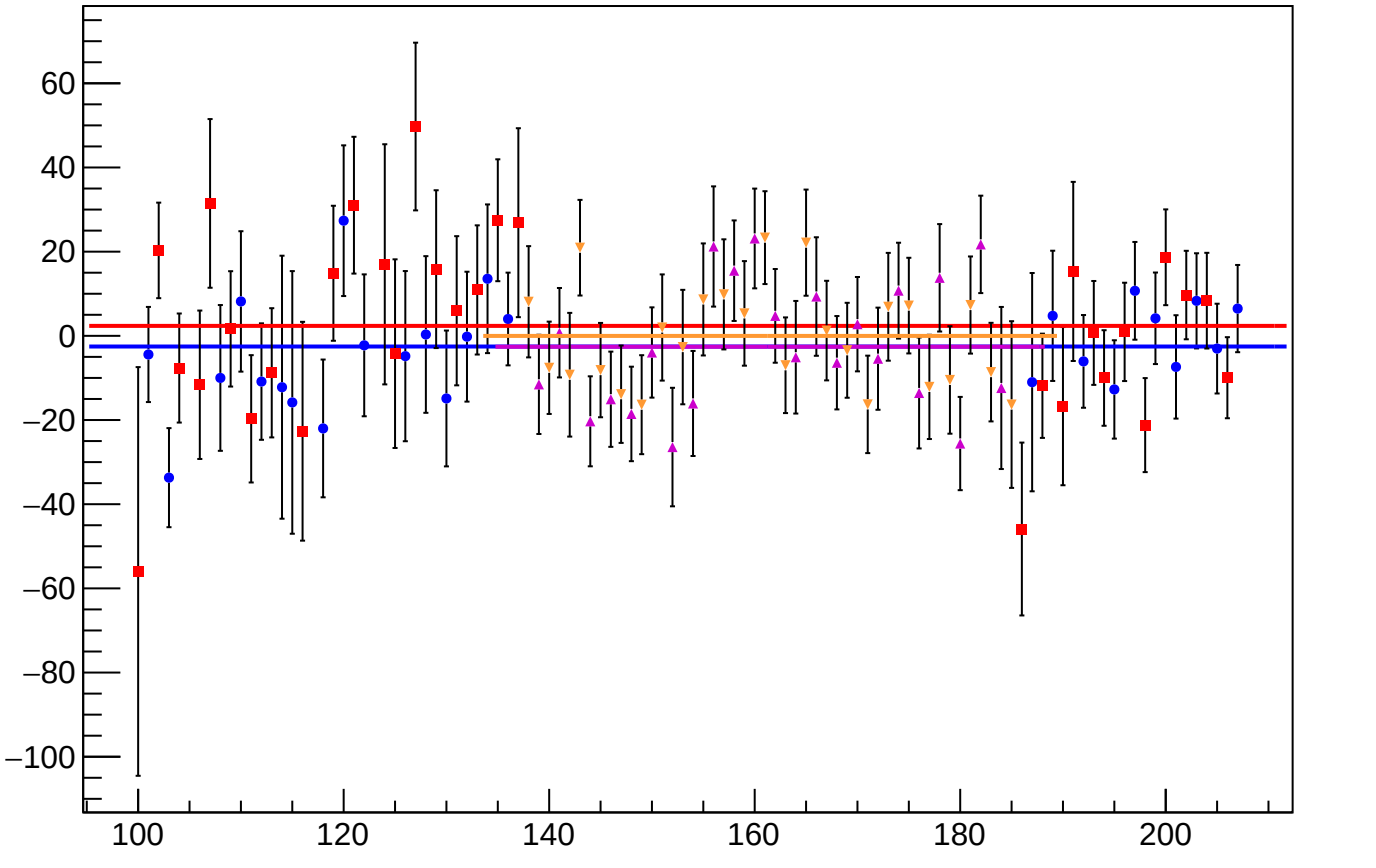
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 171.253+/-0.023 χ^2/NDF: 5156677.3/56

In: 175.425+/-0.023 χ^2/NDF:3925313.8/48

Out: 183.212+/-0.023 χ^2/NDF:5068760.4/55

All: 179.270+/-0.016 χ^2/NDF: 9053125.0/104



Right In: -2.536+/-2.731 χ^2/NDF: 19.0/25

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

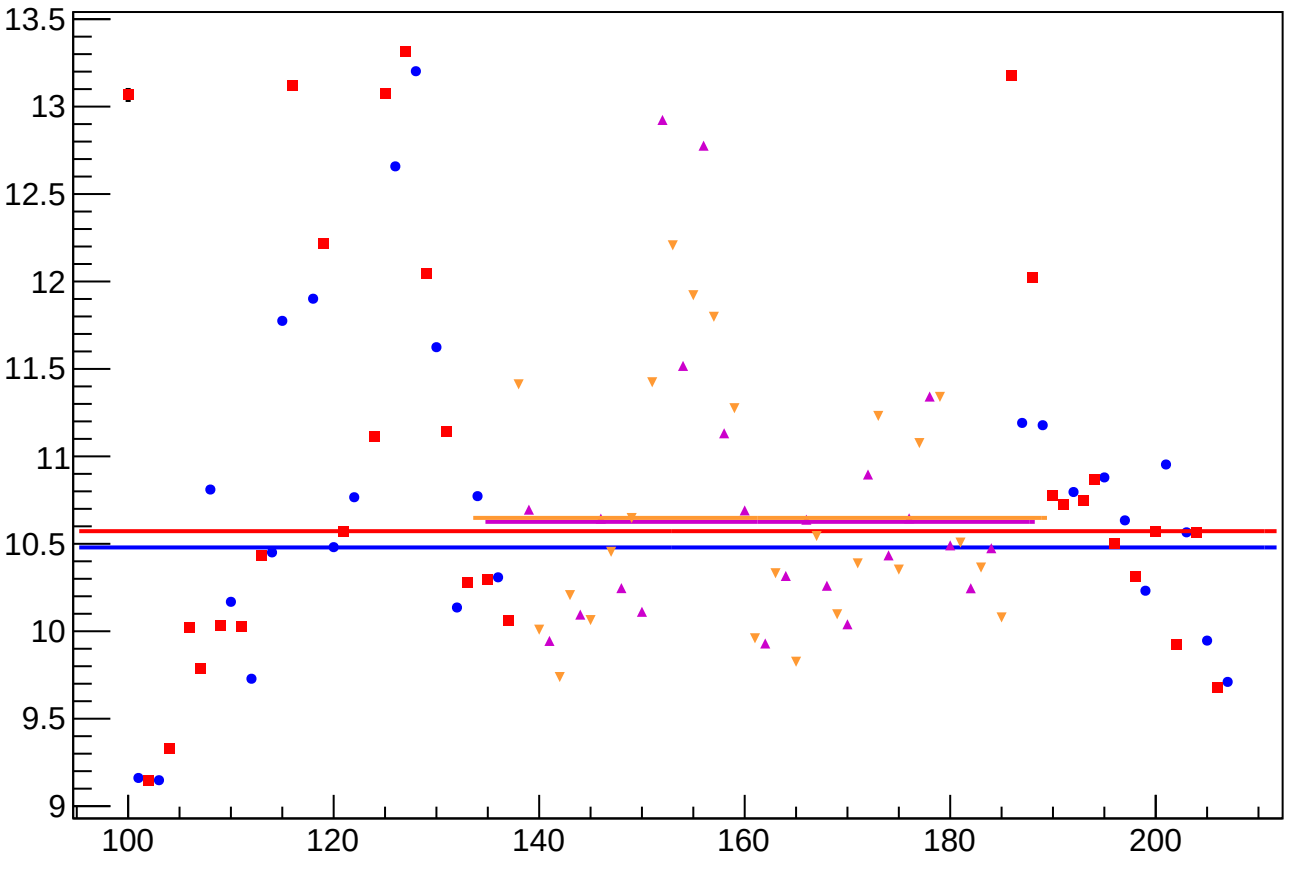
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

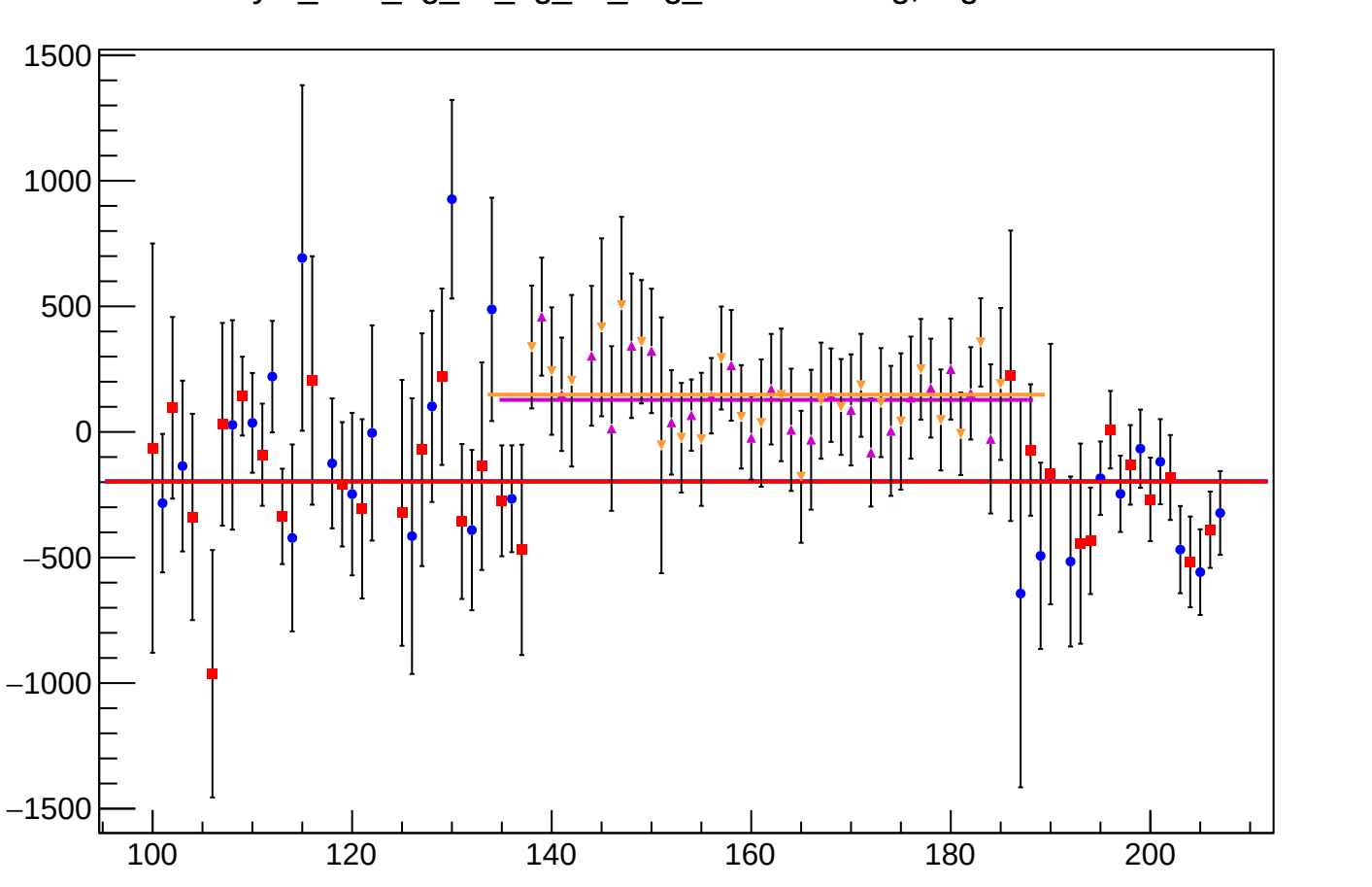
Right: 0.007+/-1.894 χ^2/NDF: 64.7/56

In: -2.566+/-1.846 χ^2/NDF:53.8/48

Out: 1.087+/-1.790 χ^2/NDF:68.2/55

All: -0.683+/-1.285 χ^2/NDF: 124.0/104


asym_bcm_an_us_an_ds3_dd_rms vs Slug, Sign Corrected
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
100
120
140
160
180
200
Right In: 10.479+/-0.002 χ²/NDF: 187455.2/25
Left Out: 10.648+/-0.002 χ²/NDF:143535.9/24
Right Out: 10.572+/-0.002 χ²/NDF: 274738.9/30
Left In: 10.626+/-0.002 χ²/NDF:159543.1/22
Left: 10.637+/-0.001 χ²/NDF: 303162.3/47
Right: 10.528+/-0.001 χ²/NDF: 463398.8/56
In: 10.559+/-0.001 χ²/NDF:350119.0/48
Out: 10.613+/-0.001 χ²/NDF:419169.7/55
All: 10.587+/-0.001 χ²/NDF: 770180.4/104



Right In: -196.066+/-46.950 χ^2/NDF: 29.8/25

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -198.162+/-45.547 χ^2/NDF: 21.5/28

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

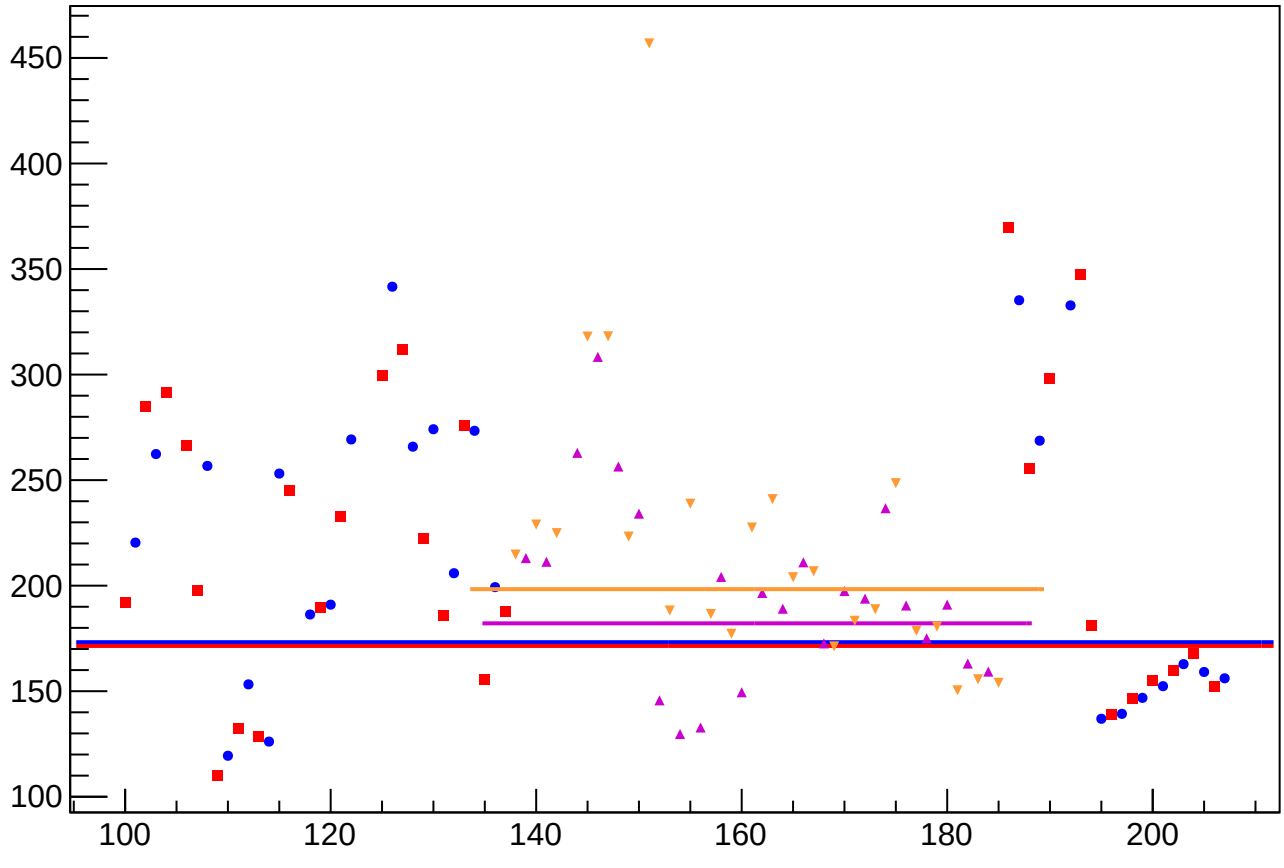
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -197.146+/-32.691 χ^2/NDF: 51.2/54

In: -25.242+/-32.270 χ^2/NDF:62.7/48

Out: -32.935+/-32.948 χ^2/NDF:58.9/52

All: -29.008+/-23.054 χ^2/NDF: 121.7/101



Right In: 173.216+/-0.033 χ^2/NDF: 2217264.5/25

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

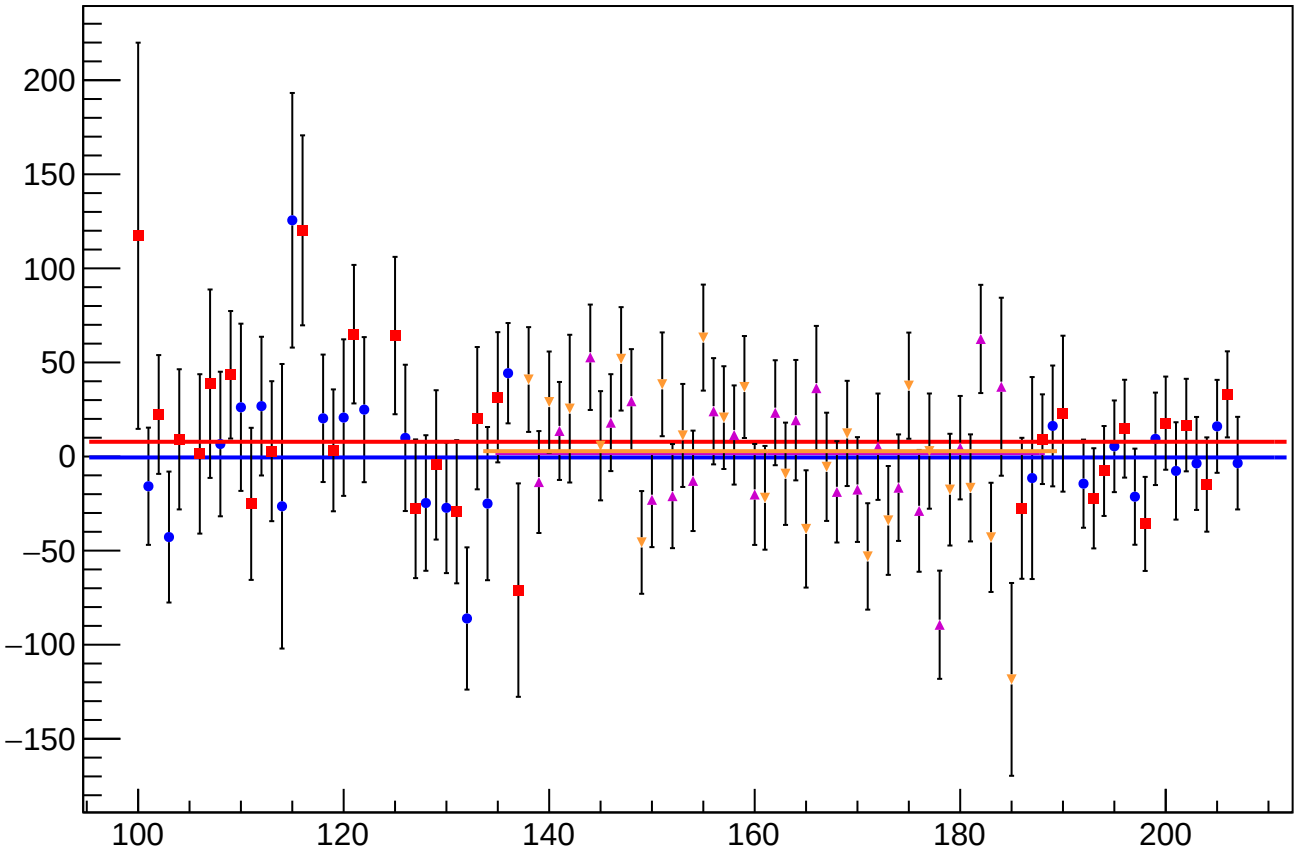
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 172.304+/-0.023 χ^2/NDF: 4913617.8/54

In: 177.930+/-0.023 χ^2/NDF:3839828.3/48

Out: 184.272+/-0.023 χ^2/NDF:4724645.7/52

All: 181.035+/-0.016 χ^2/NDF: 8602294.5/101



Right In: -0.483+/-6.237 χ^2/NDF: 18.9/25

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

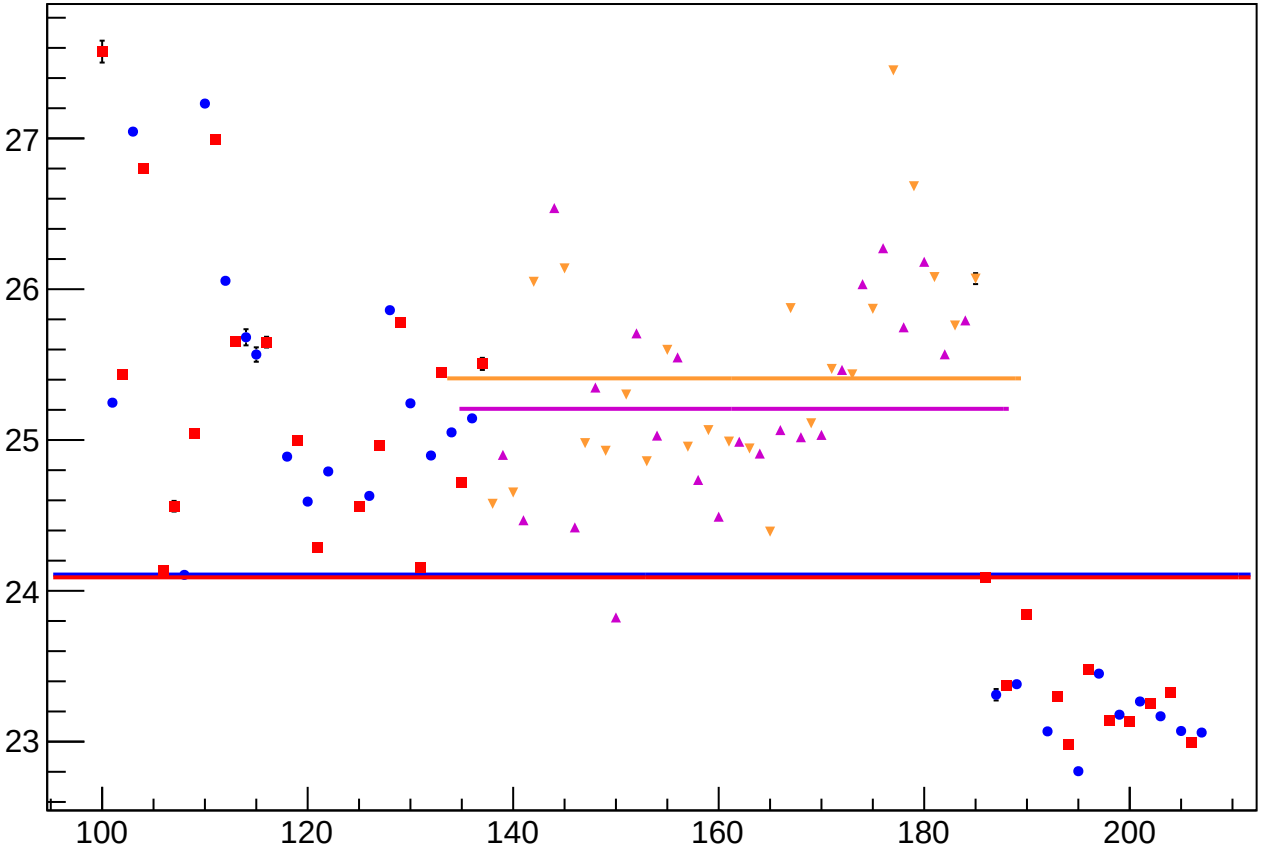
Right: 3.828+/-4.330 χ^2/NDF: 45.2/54

In: 0.749+/-4.284 χ^2/NDF:47.0/48

Out: 5.298+/-4.214 χ^2/NDF:62.7/52

All: 3.061+/-3.004 χ^2/NDF: 110.3/101

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.108+/-0.004 χ^2/NDF: 75841.6/25

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

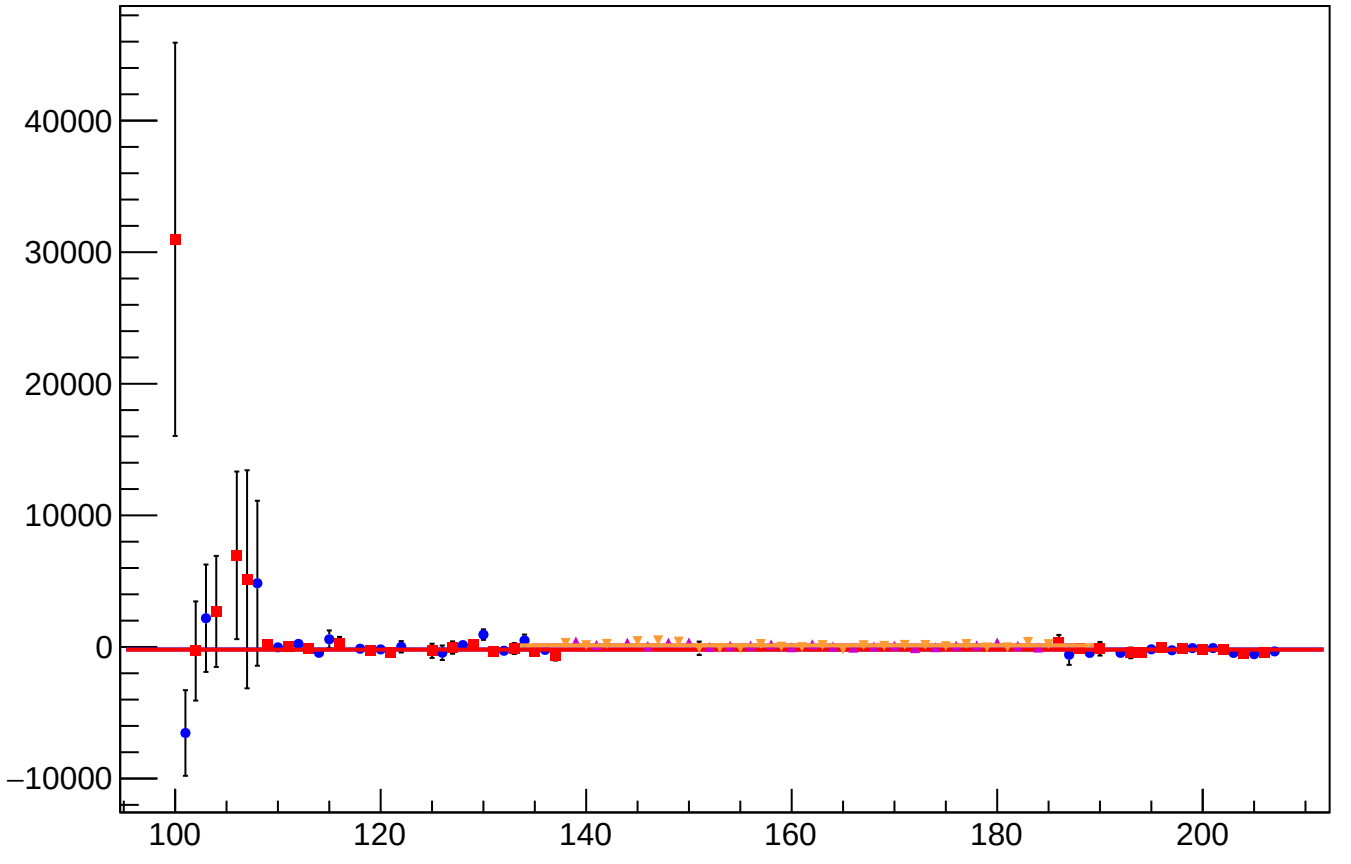
Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

Right: 24.098+/-0.003 χ^2/NDF: 144724.0/54

In: 24.688+/-0.003 χ^2/NDF:134477.6/48

Out: 24.761+/-0.003 χ^2/NDF:144733.7/52

All: 24.726+/-0.002 χ^2/NDF: 279505.8/101



Right In: -189.215+/-49.149 χ^2/NDF: 32.2/25

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

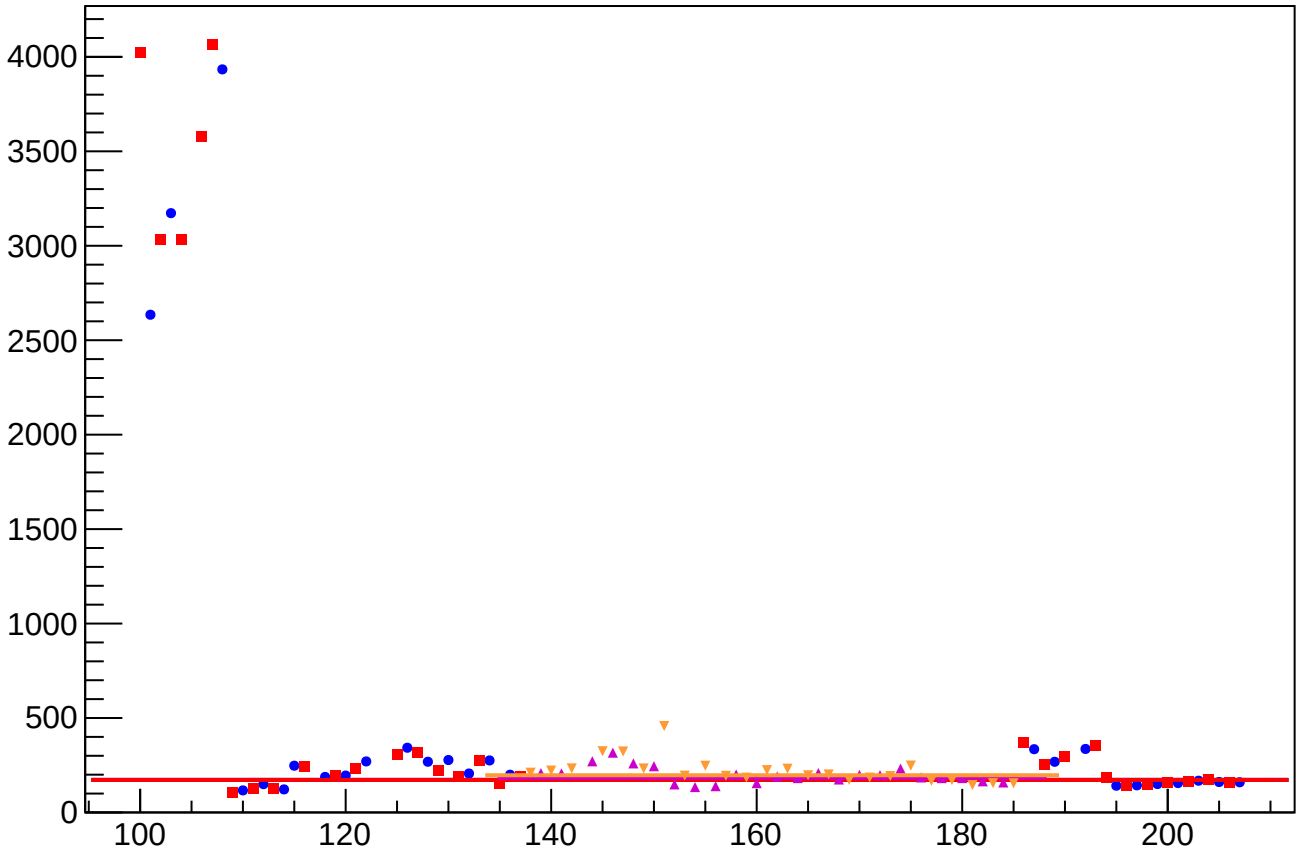
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -197.020+/-34.465 χ^2/NDF: 56.9/54

In: -22.330+/-33.104 χ^2/NDF:61.7/48

Out: -39.110+/-33.860 χ^2/NDF:59.6/52

All: -30.530+/-23.671 χ^2/NDF: 121.5/101



Right In: 172.659+/-0.035 χ^2/NDF: 4840902.1/25

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

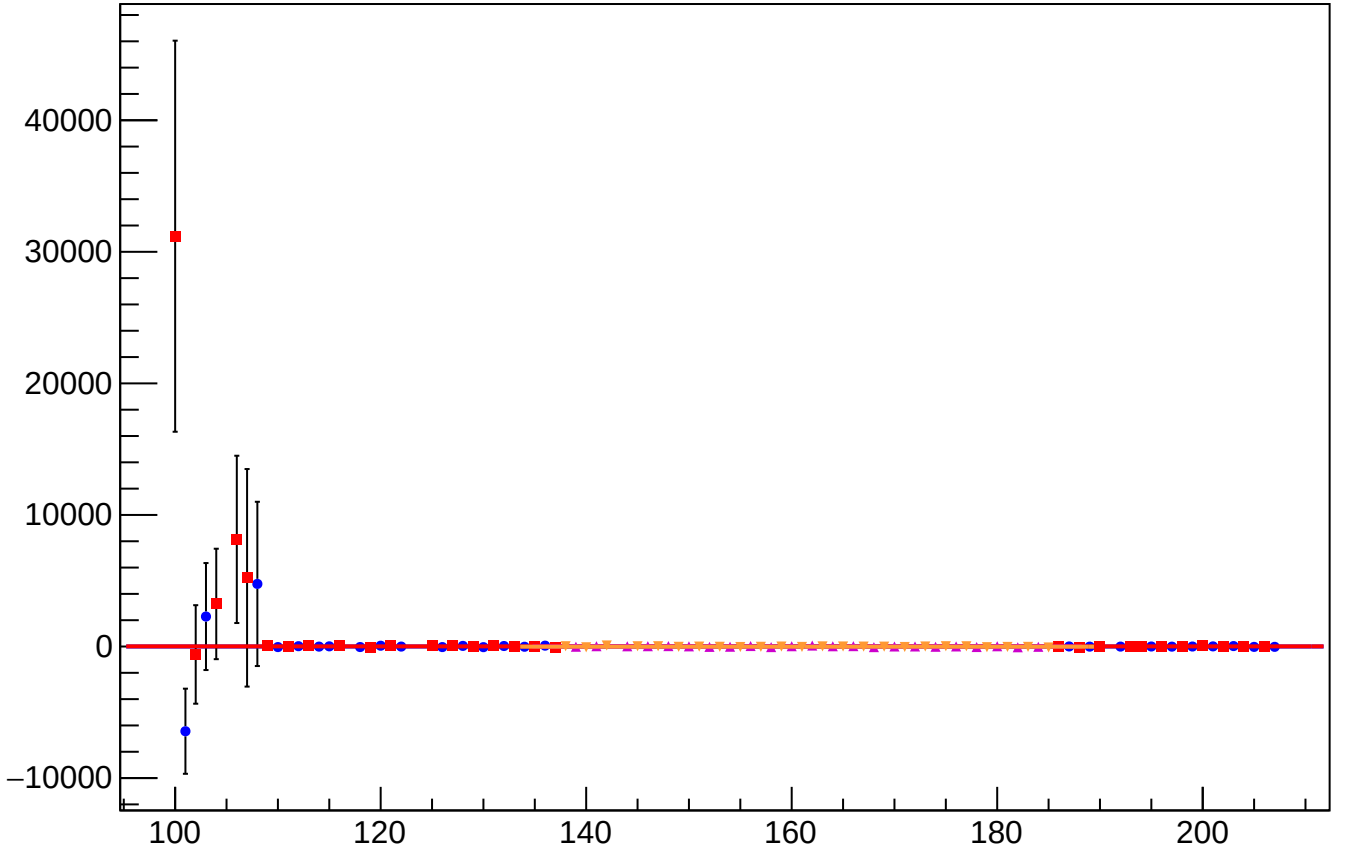
Right: 172.458+/-0.024 χ^2/NDF: 10196908.9/54

In: 178.883+/-0.023 χ^2/NDF:6345031.9/48

Out: 184.832+/-0.024 χ^2/NDF:7430575.8/52

All: 181.790+/-0.017 χ^2/NDF: 13807173.1/10

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -0.044+/-7.487 χ^2/NDF: 22.1/25

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

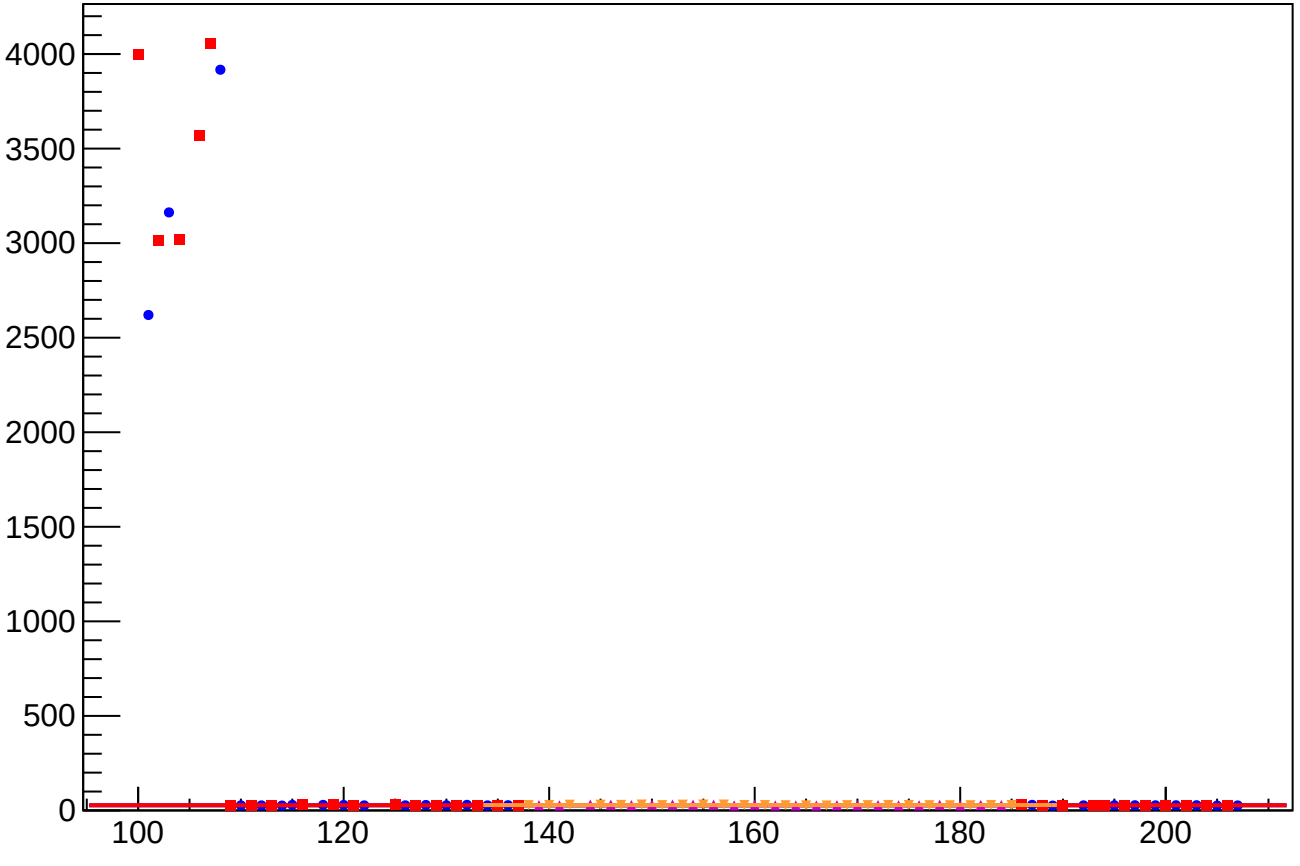
Right: 5.968+/-5.248 χ^2/NDF: 53.8/54

In: 1.405+/-5.006 χ^2/NDF:44.3/48

Out: -0.817+/-4.935 χ^2/NDF:53.3/52

All: 0.278+/-3.514 χ^2/NDF: 97.7/101

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.321+/-0.005 χ^2/NDF: 3284730.5/25

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

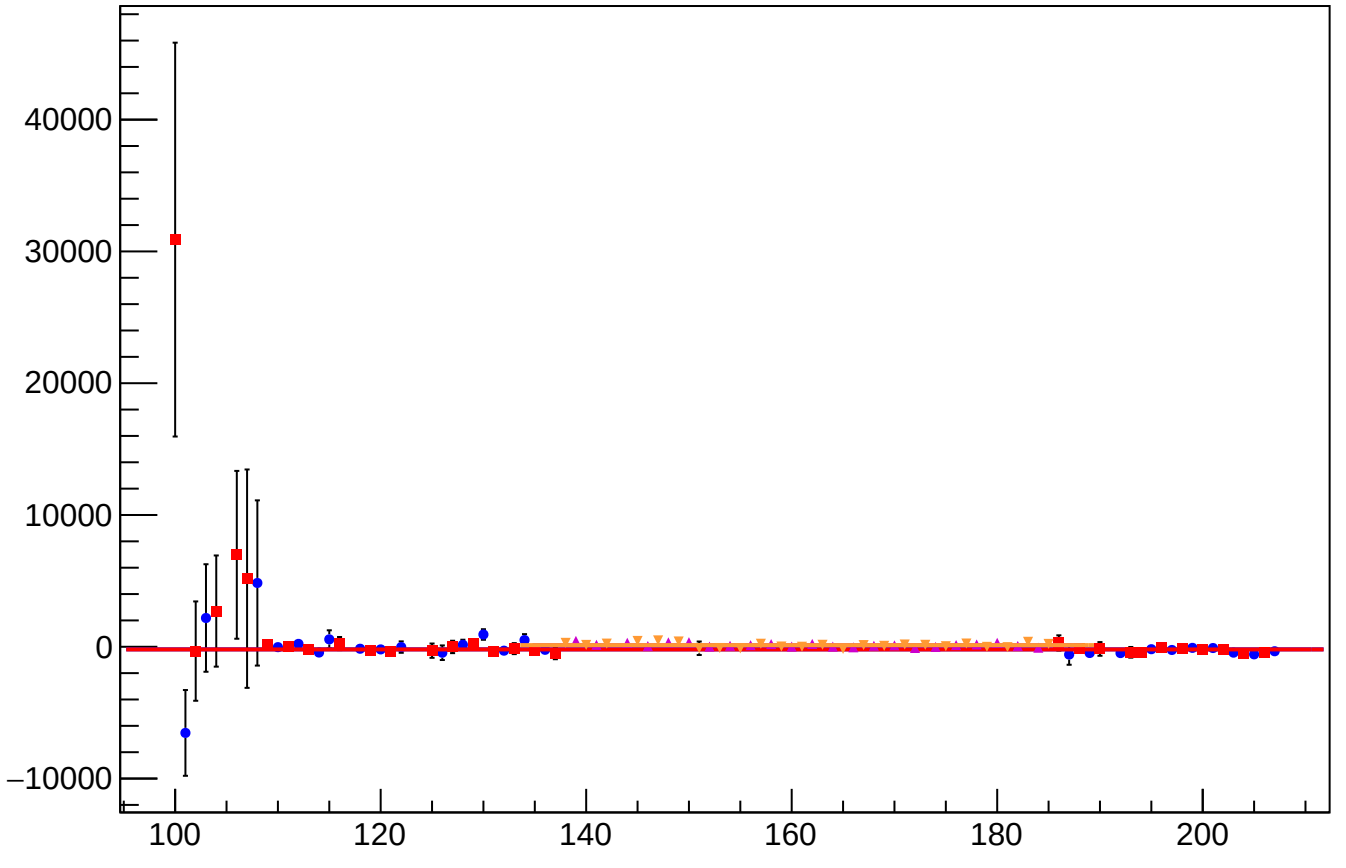
Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

Right: 27.404+/-0.004 χ^2/NDF: 6867506.5/54

In: 28.099+/-0.004 χ^2/NDF:3451138.3/48

Out: 28.094+/-0.003 χ^2/NDF:3688225.6/52

All: 28.096+/-0.002 χ^2/NDF: 7139364.9/101



Right In: -195.064+/-49.359 χ^2/NDF: 32.3/25

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

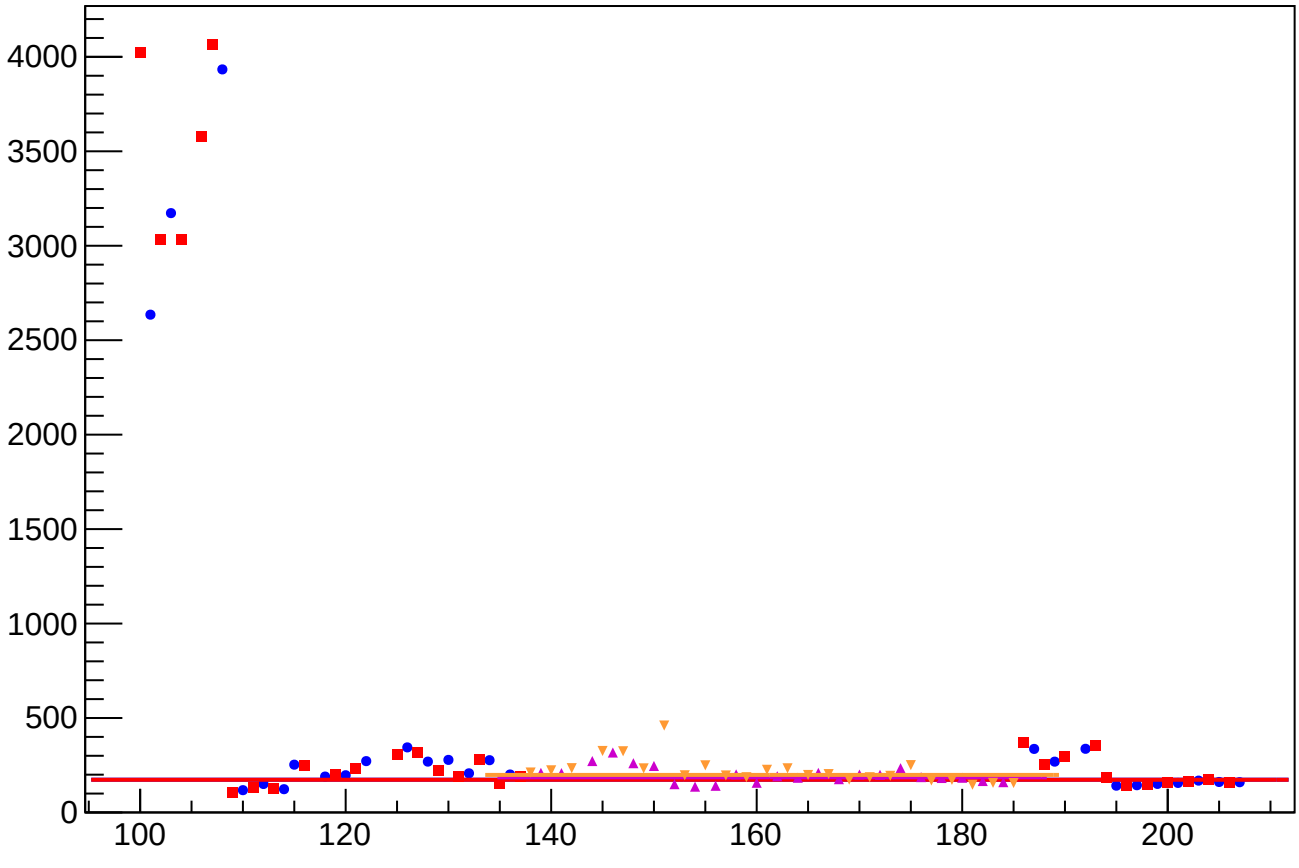
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -198.595+/-34.608 χ^2/NDF: 55.4/54

In: -22.170+/-33.334 χ^2/NDF:62.9/48

Out: -35.480+/-34.077 χ^2/NDF:57.9/52

All: -28.678+/-23.829 χ^2/NDF: 120.8/101



Right In: 173.409+/-0.035 χ^2/NDF: 4838541.7/25

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

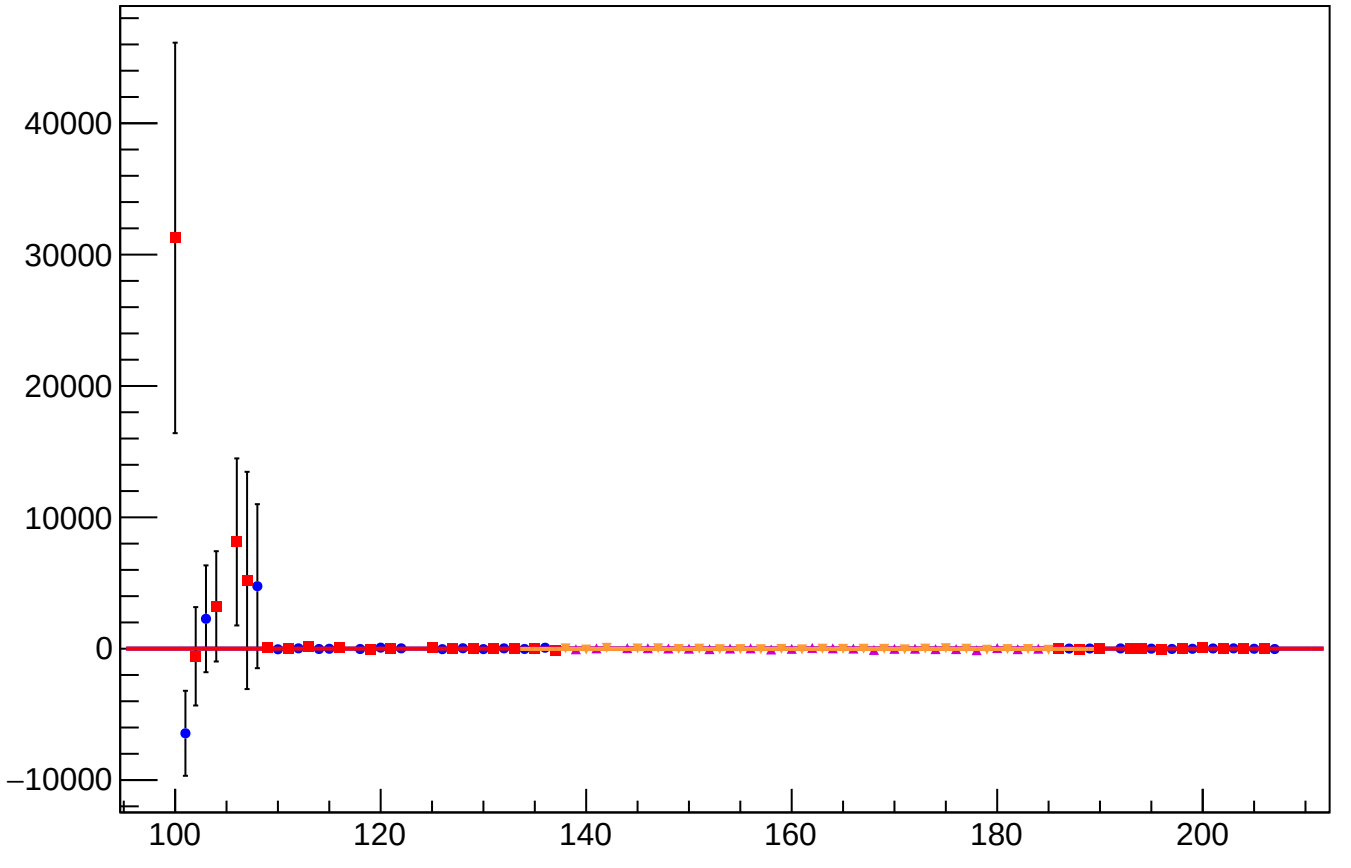
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 173.203+/-0.024 χ^2/NDF: 10183911.4/54

In: 180.187+/-0.024 χ^2/NDF:6313417.8/48

Out: 186.053+/-0.024 χ^2/NDF:7416765.9/52

All: 183.056+/-0.017 χ^2/NDF: 13760465.7/10



Right In: 7.626+/-8.274 χ^2/NDF: 18.4/25

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

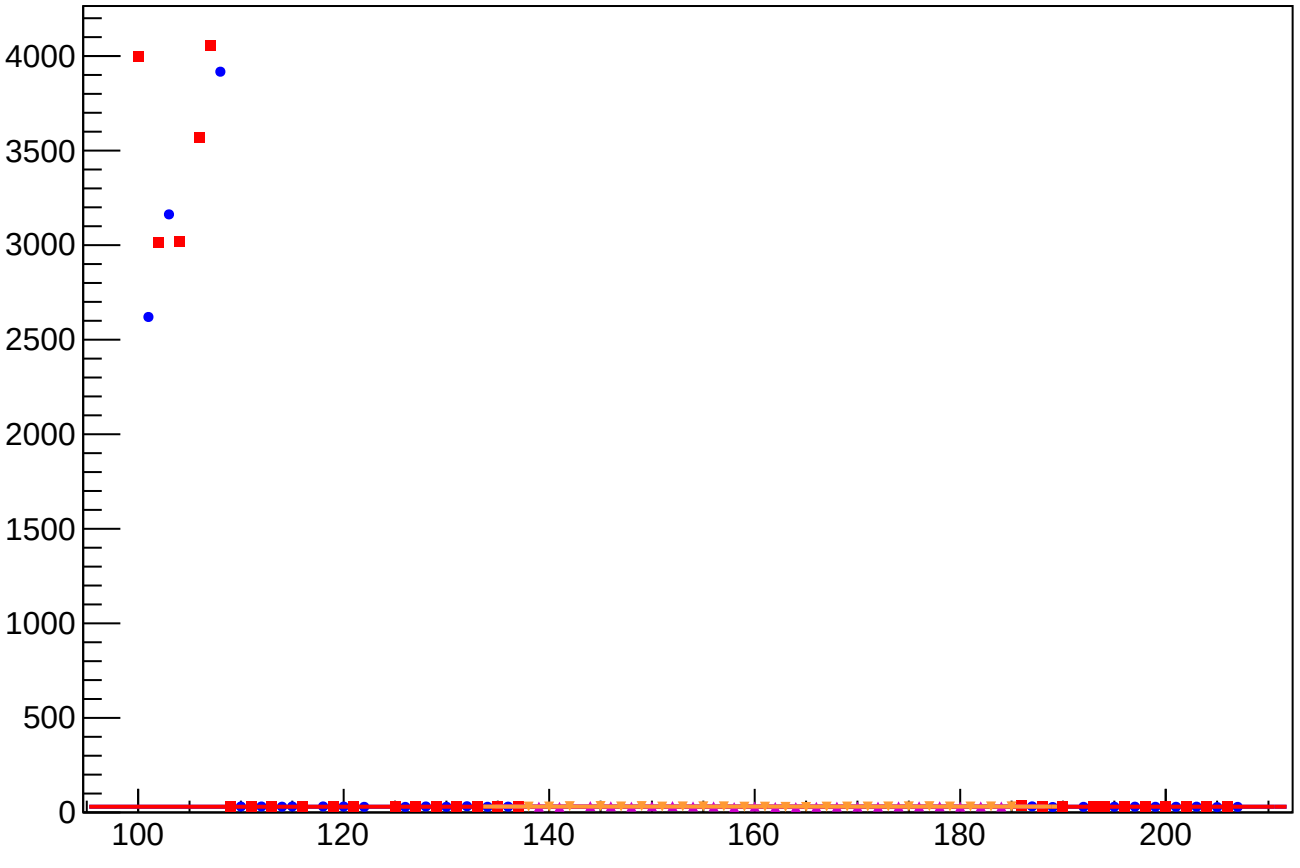
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 6.736+/-5.795 χ^2/NDF: 56.1/54

In: 1.848+/-5.494 χ^2/NDF:54.8/48

Out: -7.493+/-5.411 χ^2/NDF:62.9/52

All: -2.894+/-3.855 χ^2/NDF: 119.2/101



Right In: 30.205+/-0.006 χ^2/NDF: 3273507.5/25

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

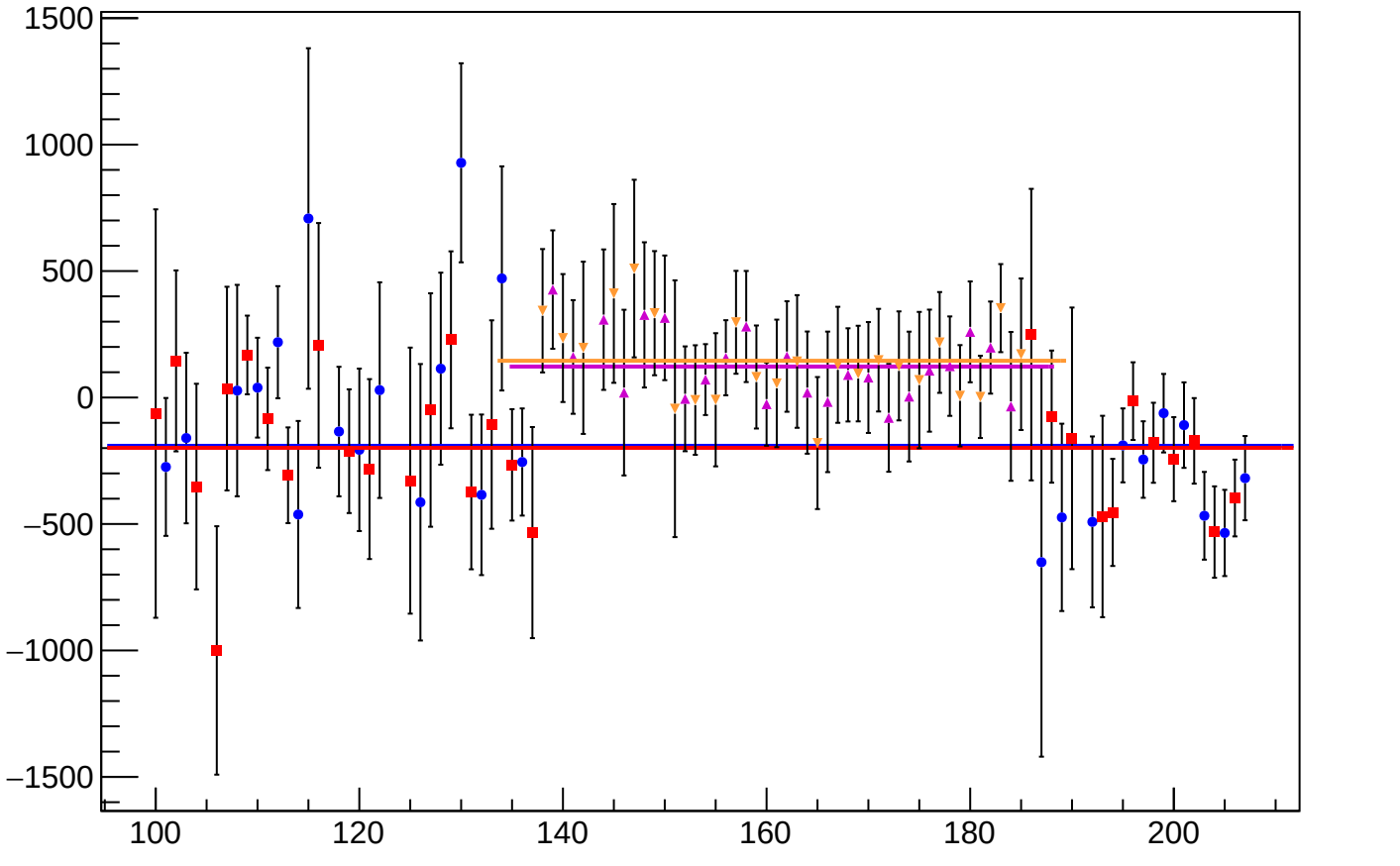
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

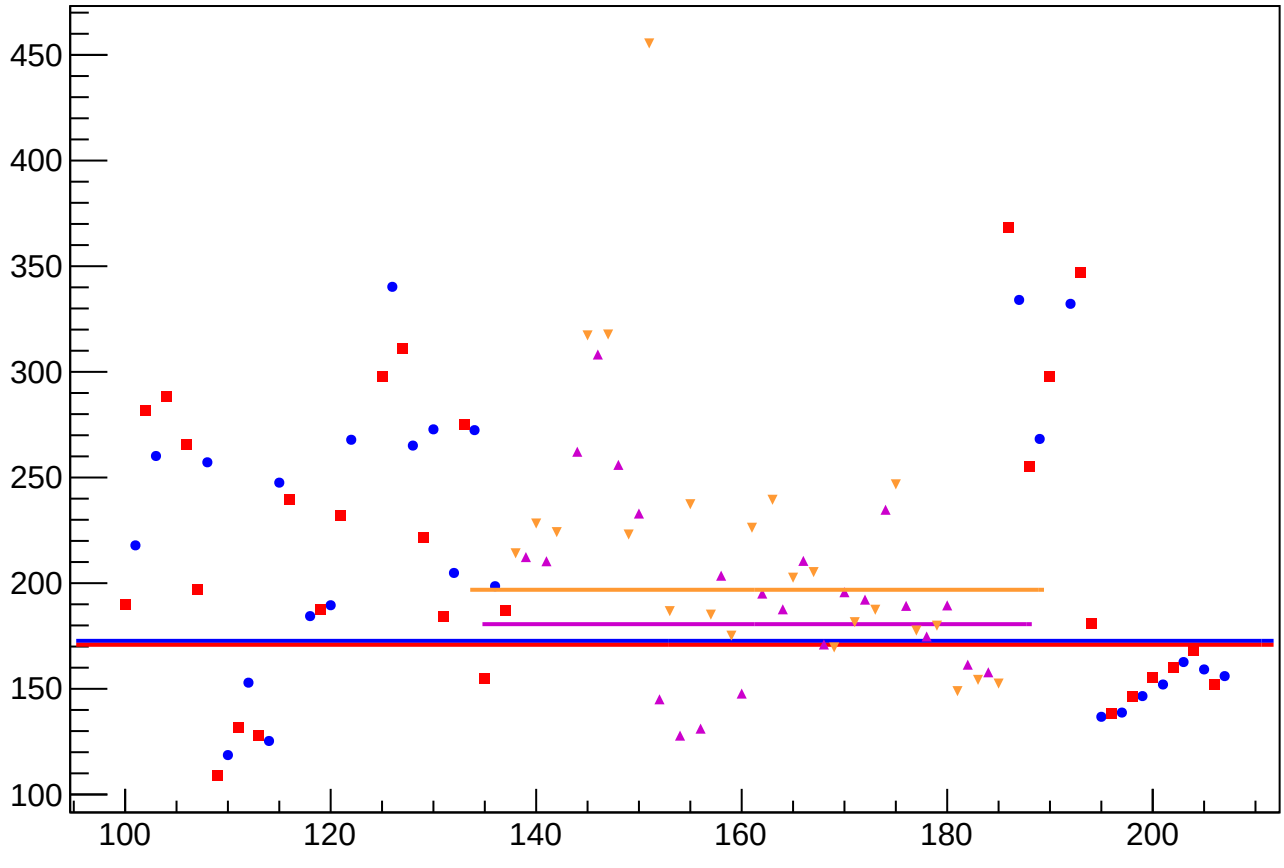
Right: 30.274+/-0.004 χ^2/NDF: 6834636.8/54

In: 30.862+/-0.004 χ^2/NDF:3381261.8/48

Out: 30.830+/-0.004 χ^2/NDF:3621384.8/52

All: 30.845+/-0.003 χ^2/NDF: 7002680.7/101


asym_bcm_dg_us_an_us_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -191.019+/-46.805 χ²/NDF: 29.4/25
Left Out: 145.314+/-47.390 χ²/NDF:9.4/23
Right Out: -198.907+/-45.391 χ²/NDF: 23.3/28
Left In: 122.376+/-44.081 χ²/NDF:7.9/22
Left: 133.016+/-32.277 χ²/NDF: 17.4/46
Right: -195.084+/-32.585 χ²/NDF: 52.7/54
In: -24.937+/-32.090 χ²/NDF:61.0/48
Out: -34.212+/-32.780 χ²/NDF:60.1/52
All: -29.476+/-22.931 χ²/NDF: 121.2/101



Right In: 172.703+/-0.033 χ^2/NDF: 2206253.0/25

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 170.841+/-0.032 χ^2/NDF: 2690579.4/28

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

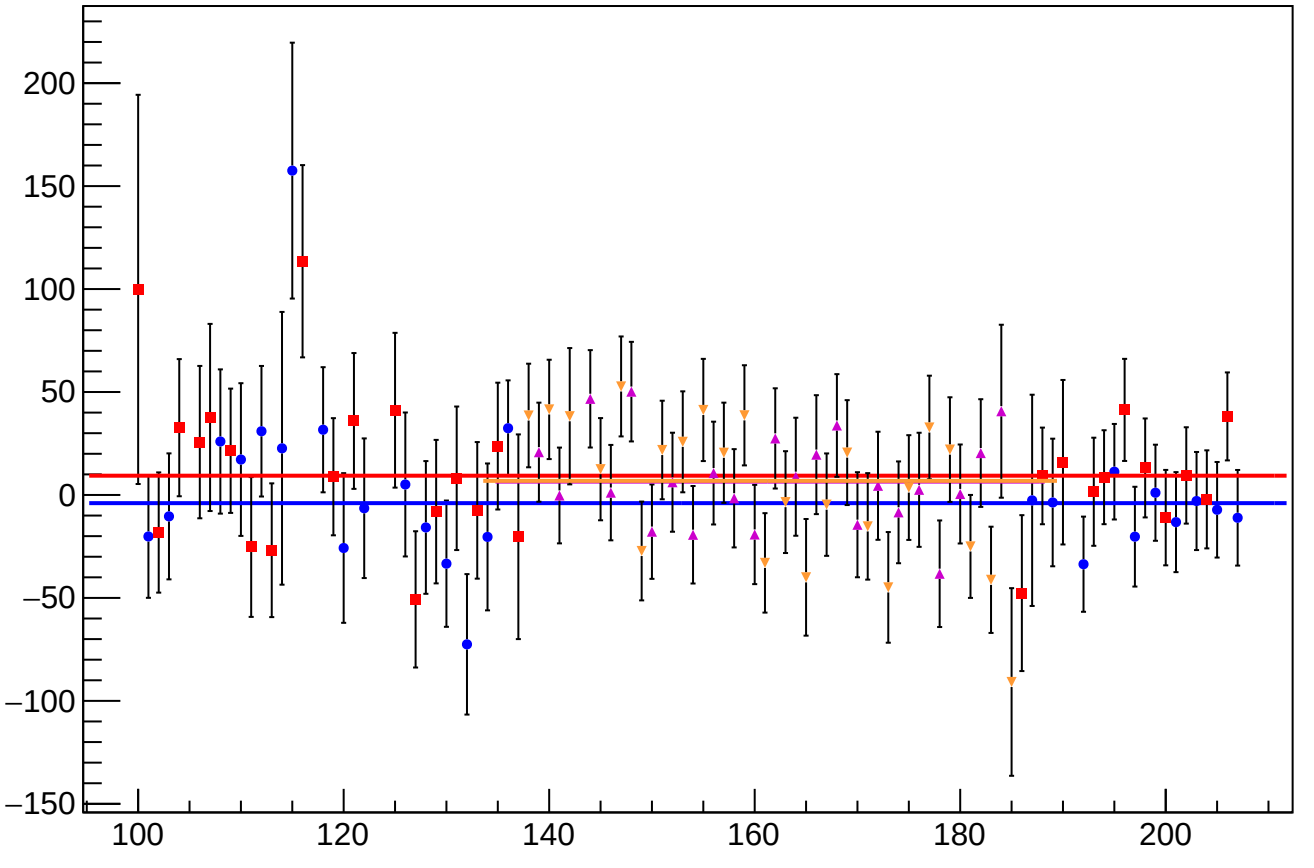
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 171.743+/-0.023 χ^2/NDF: 4898462.2/54

In: 176.888+/-0.023 χ^2/NDF:3864511.4/48

Out: 183.296+/-0.023 χ^2/NDF:4730421.1/52

All: 180.024+/-0.016 χ^2/NDF: 8633958.0/101



Right In: -3.971+/-5.761 χ^2/NDF: 21.9/25

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

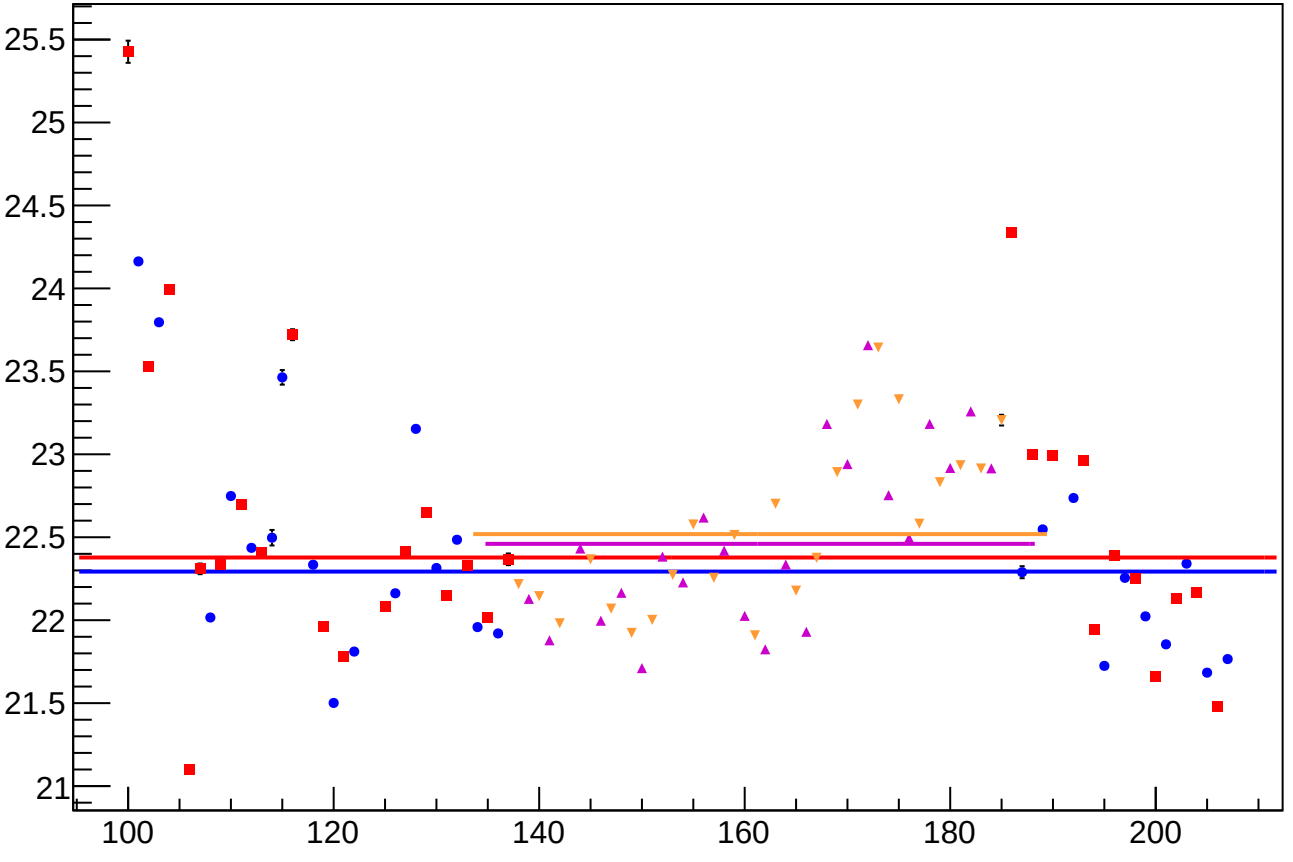
Right: 2.903+/-4.009 χ^2/NDF: 47.6/54

In: 1.743+/-3.879 χ^2/NDF:41.2/48

Out: 8.026+/-3.816 χ^2/NDF:59.9/52

All: 4.935+/-2.720 χ^2/NDF: 102.4/101

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.293+/-0.004 χ^2/NDF: 22879.6/25

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

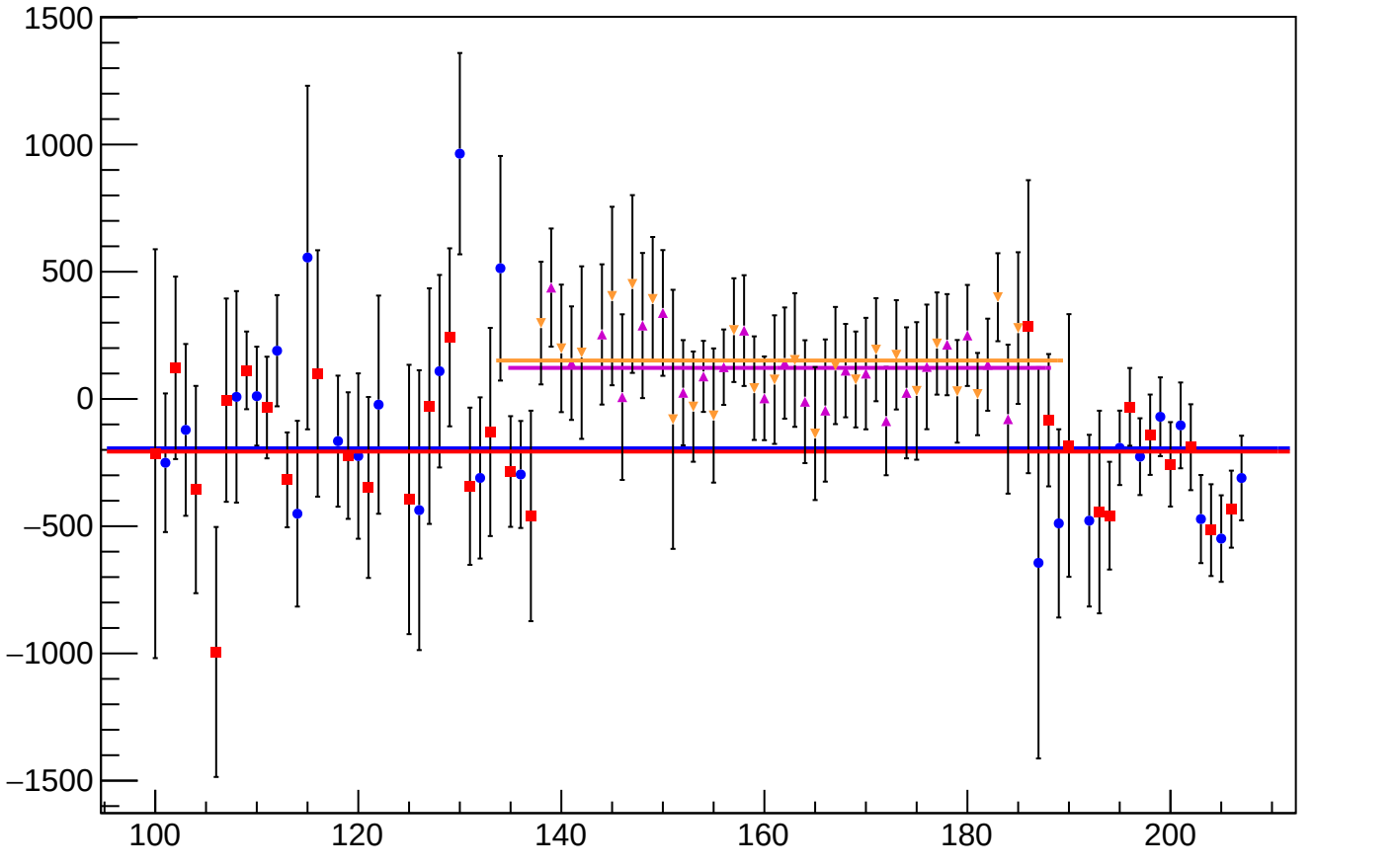
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.337+/-0.003 χ^2/NDF: 53765.2/54

In: 22.384+/-0.003 χ^2/NDF:42917.5/48

Out: 22.453+/-0.003 χ^2/NDF:47340.3/52

All: 22.419+/-0.002 χ^2/NDF: 90575.9/101



Right In: -194.025+/-46.673 χ^2/NDF: 28.9/25

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

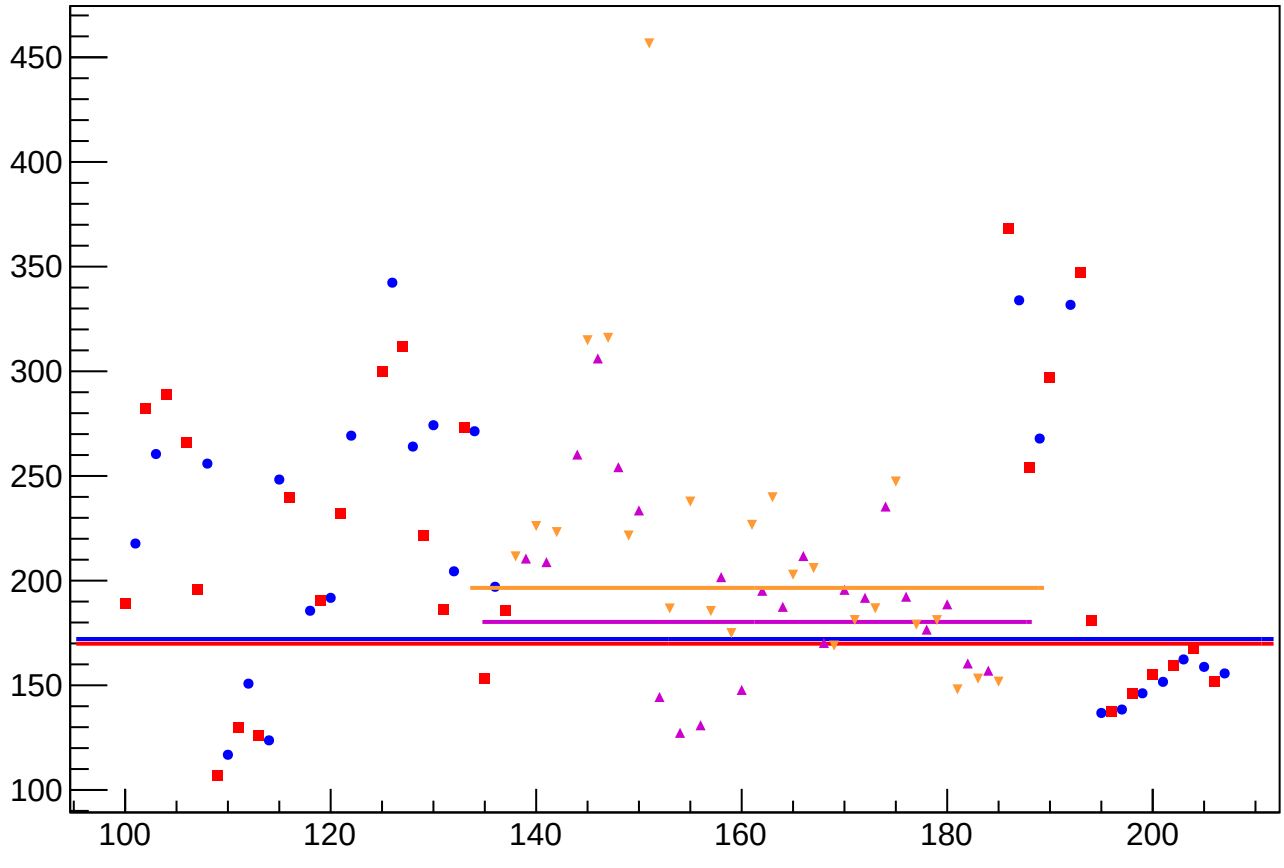
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -200.544+/-32.466 χ^2/NDF: 50.9/54

In: -26.640+/-32.018 χ^2/NDF:60.6/48

Out: -35.991+/-32.680 χ^2/NDF:61.9/52

All: -31.220+/-22.871 χ^2/NDF: 122.5/101



Right In: 172.118+/-0.033 χ^2/NDF: 2235386.6/25

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

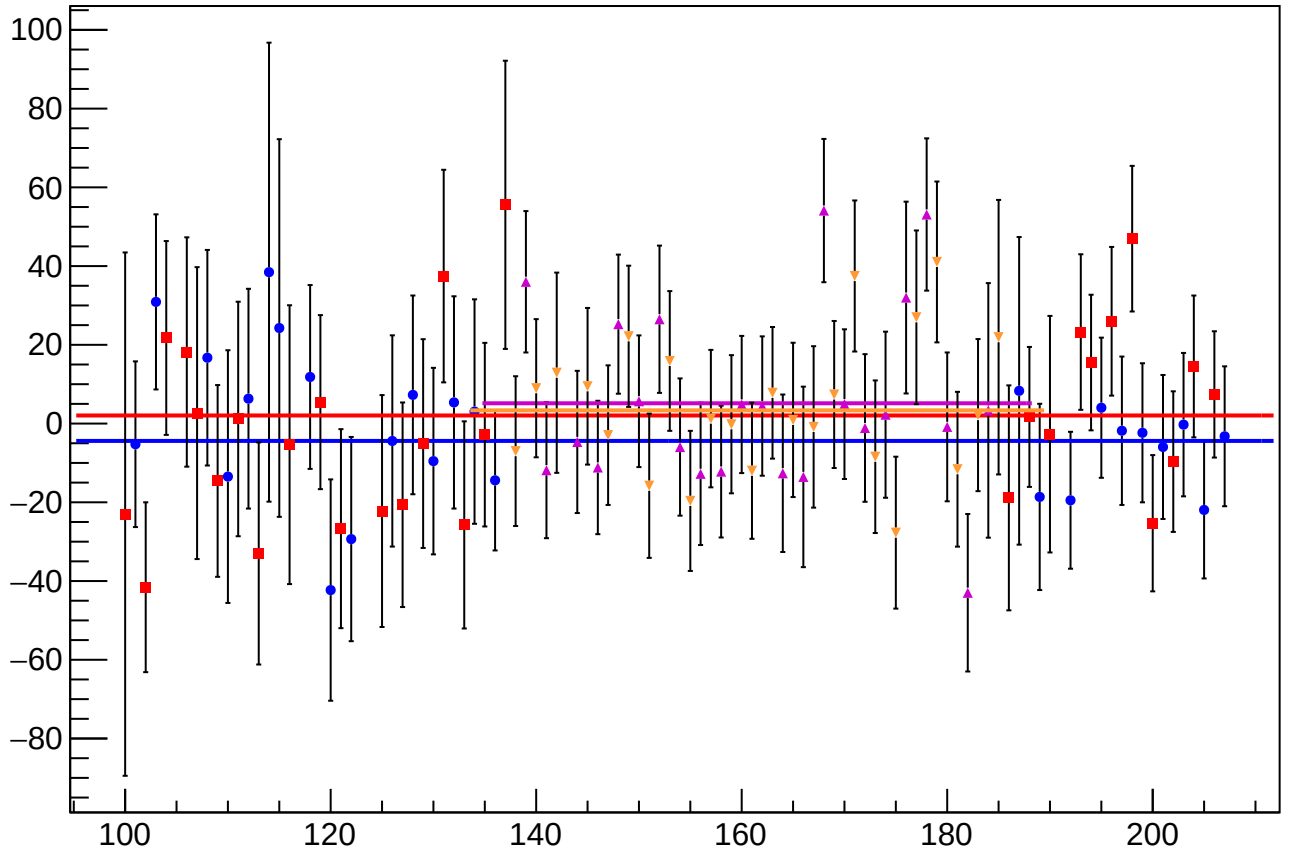
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 170.961+/-0.023 χ^2/NDF: 4997223.1/54

In: 176.436+/-0.023 χ^2/NDF:3892402.7/48

Out: 182.592+/-0.023 χ^2/NDF:4819344.5/52

All: 179.451+/-0.016 χ^2/NDF: 8747960.8/101



Right In: -4.407+/-4.424 χ^2/NDF: 10.8/25

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

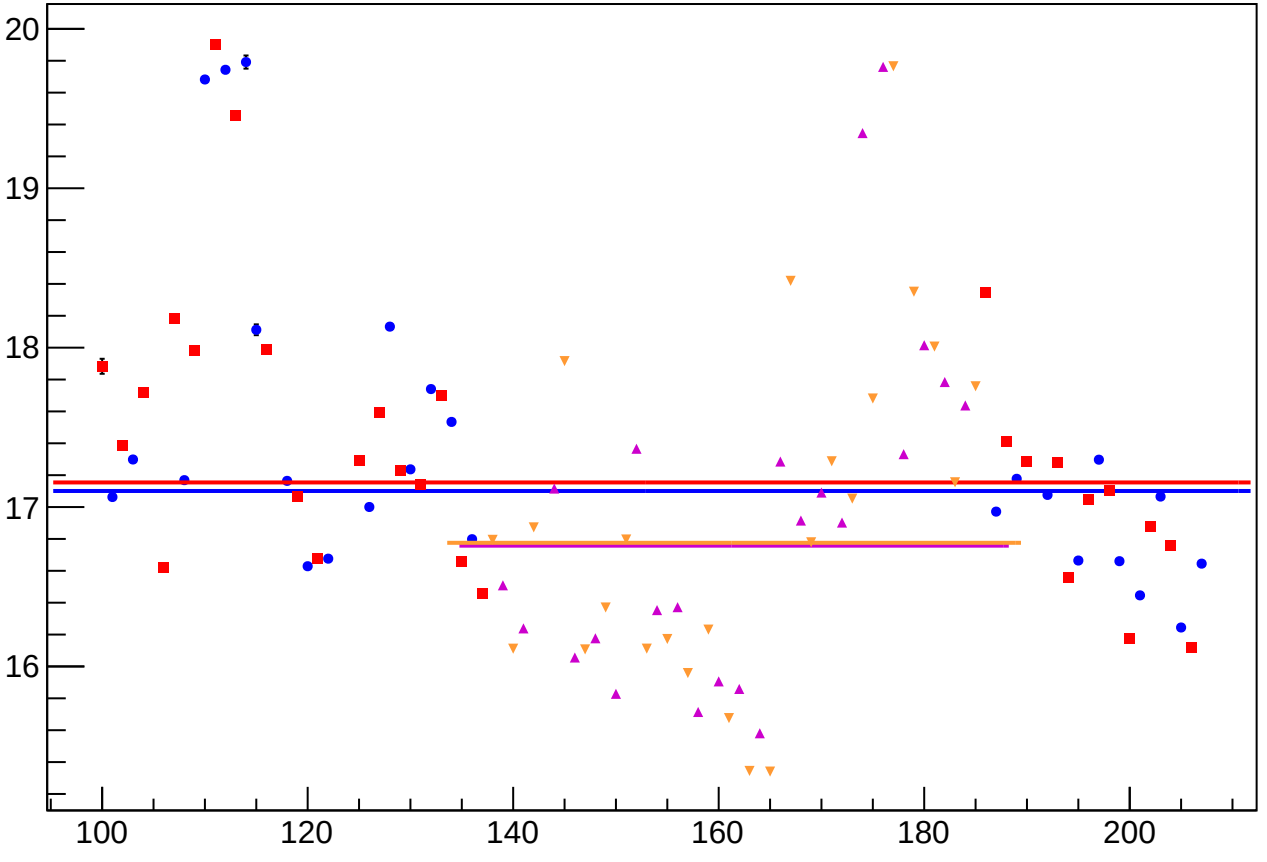
Right: -1.073+/-3.078 χ^2/NDF: 40.3/54

In: 0.942+/-2.936 χ^2/NDF:45.7/48

Out: 2.767+/-2.886 χ^2/NDF:46.2/52

All: 1.870+/-2.058 χ^2/NDF: 92.1/101

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.101+/-0.003 χ^2/NDF: 54348.4/25

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

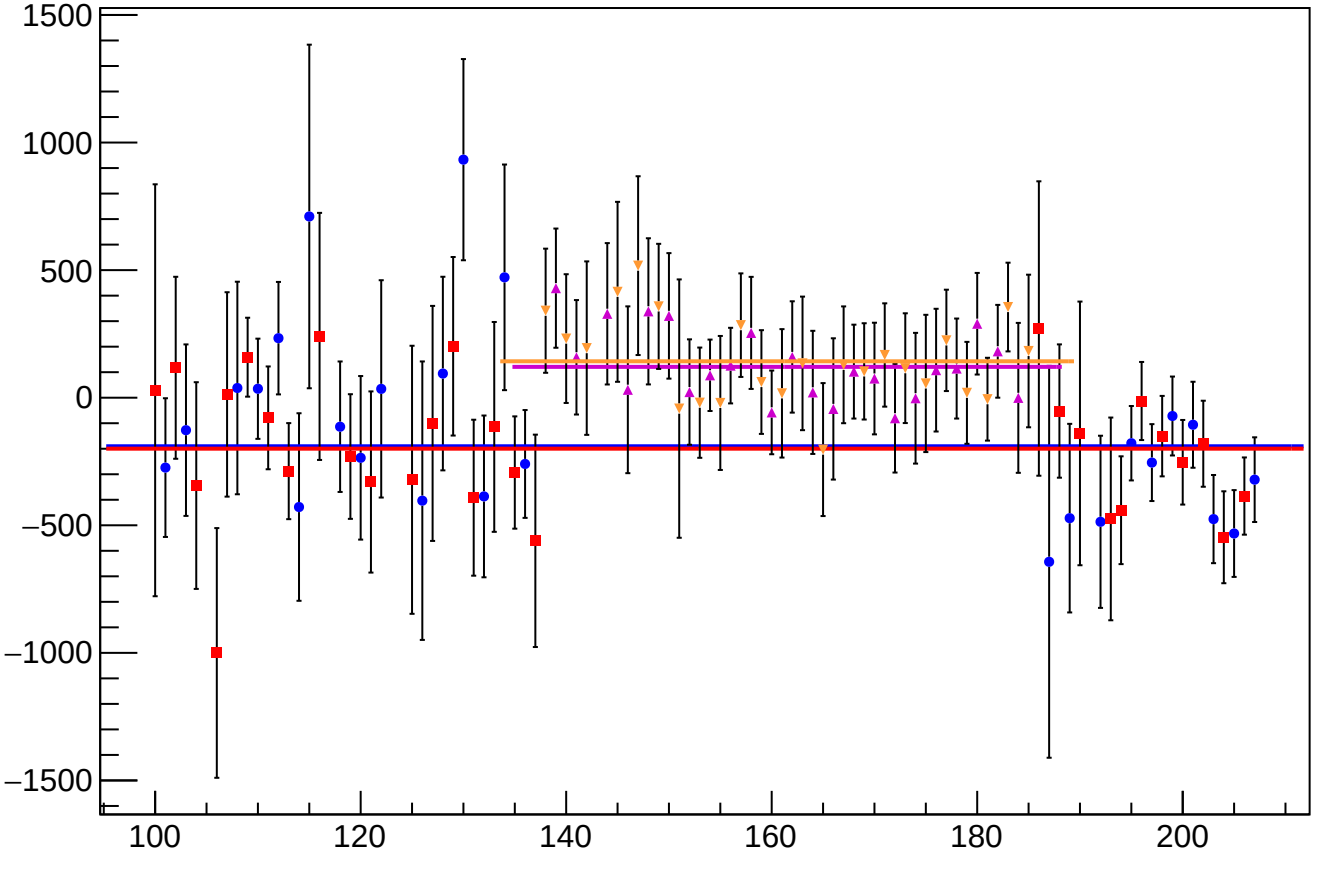
Right: 17.128+/-0.002 χ^2/NDF: 118525.0/54

In: 16.909+/-0.002 χ^2/NDF:184383.8/48

Out: 16.948+/-0.002 χ^2/NDF:208701.7/52

All: 16.929+/-0.001 χ^2/NDF: 393262.3/101

asym_bcm_dg_us_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -190.346+/-46.659 χ^2/NDF: 29.7/25

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

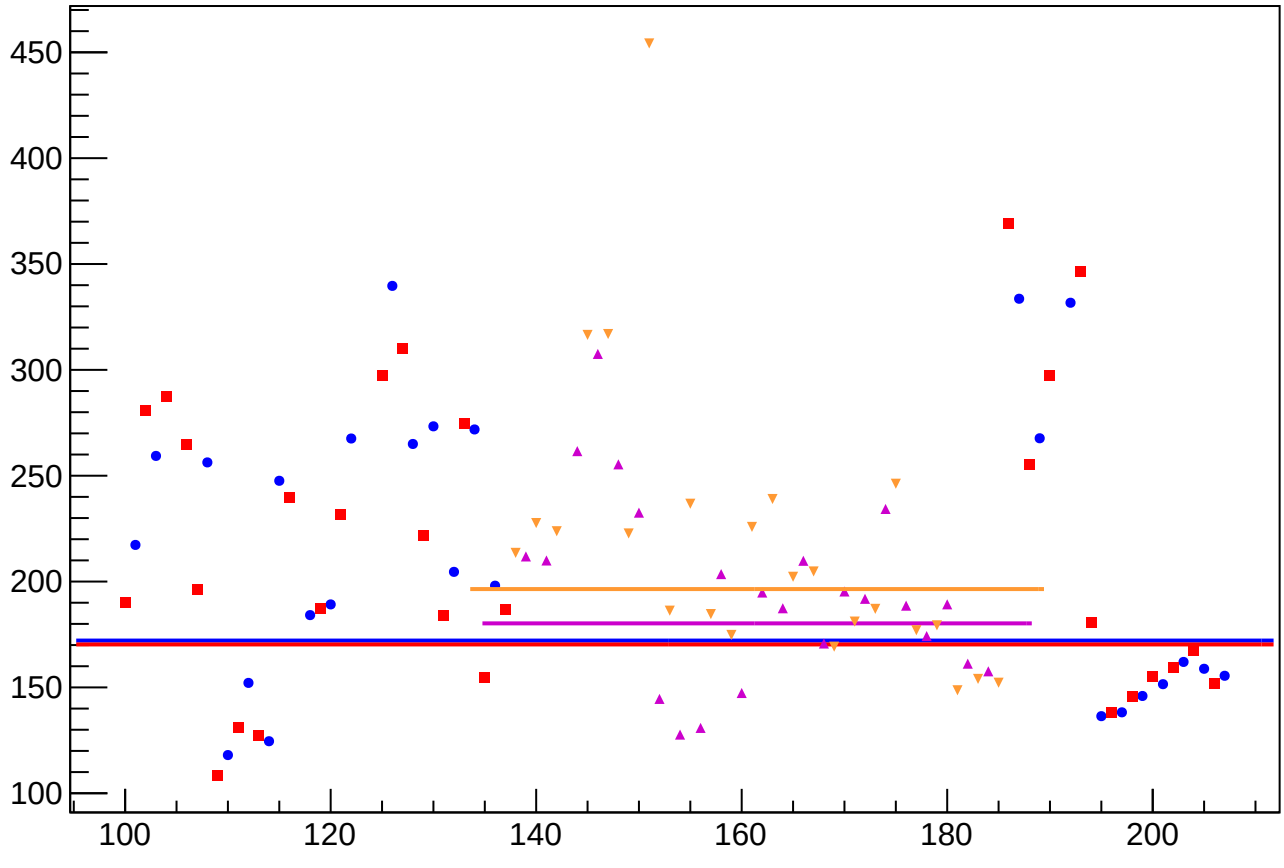
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -195.170+/-32.486 χ^2/NDF: 53.1/54

In: -25.588+/-32.009 χ^2/NDF:61.5/48

Out: -36.014+/-32.696 χ^2/NDF:60.9/52

All: -30.691+/-22.873 χ^2/NDF: 122.5/101



Right In: 172.124+/-0.033 χ^2/NDF: 2219286.9/25

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

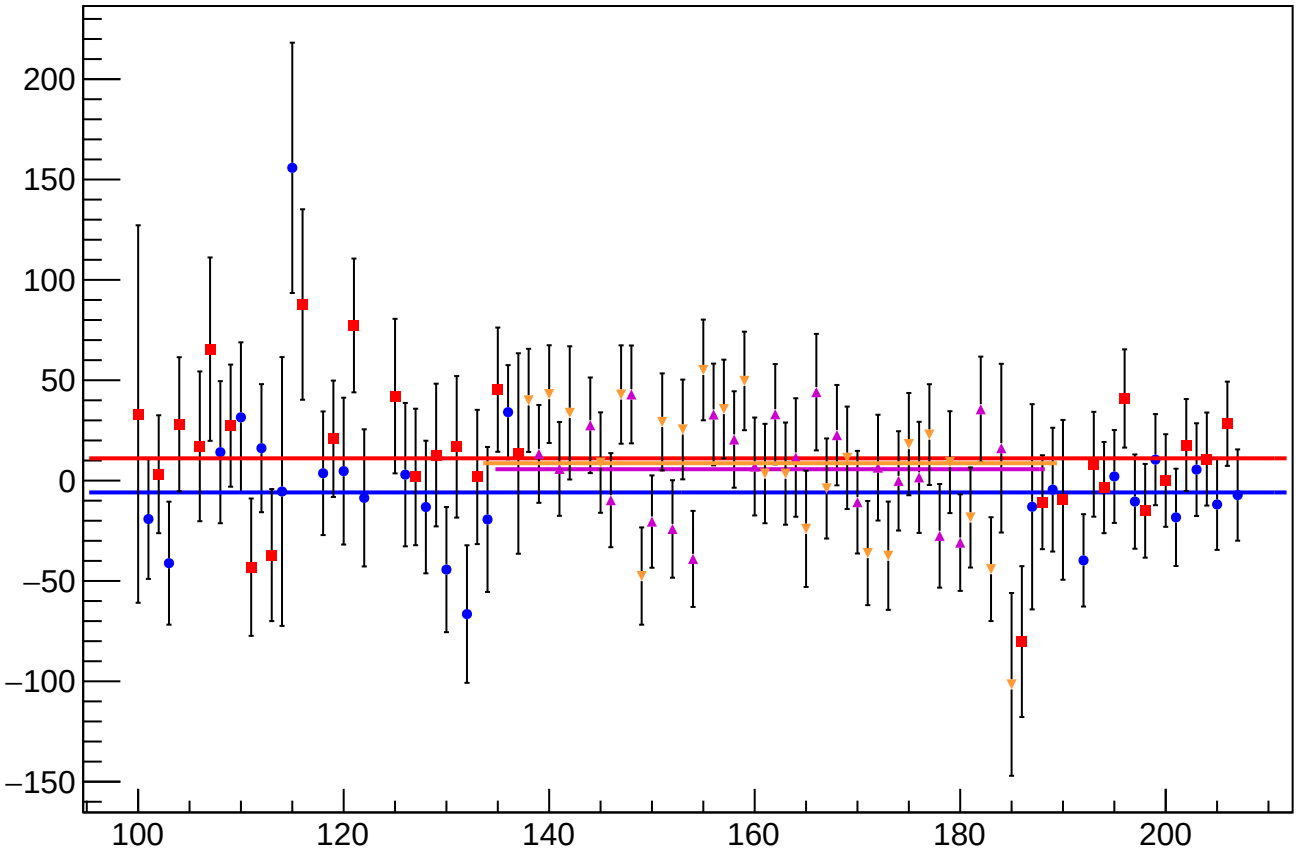
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 171.181+/-0.023 χ^2/NDF: 4928104.2/54

In: 176.425+/-0.023 χ^2/NDF:3879158.6/48

Out: 182.799+/-0.023 χ^2/NDF:4750195.0/52

All: 179.544+/-0.016 χ^2/NDF: 8668168.6/101



Right In: -5.894+/-5.735 χ^2/NDF: 21.5/25

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

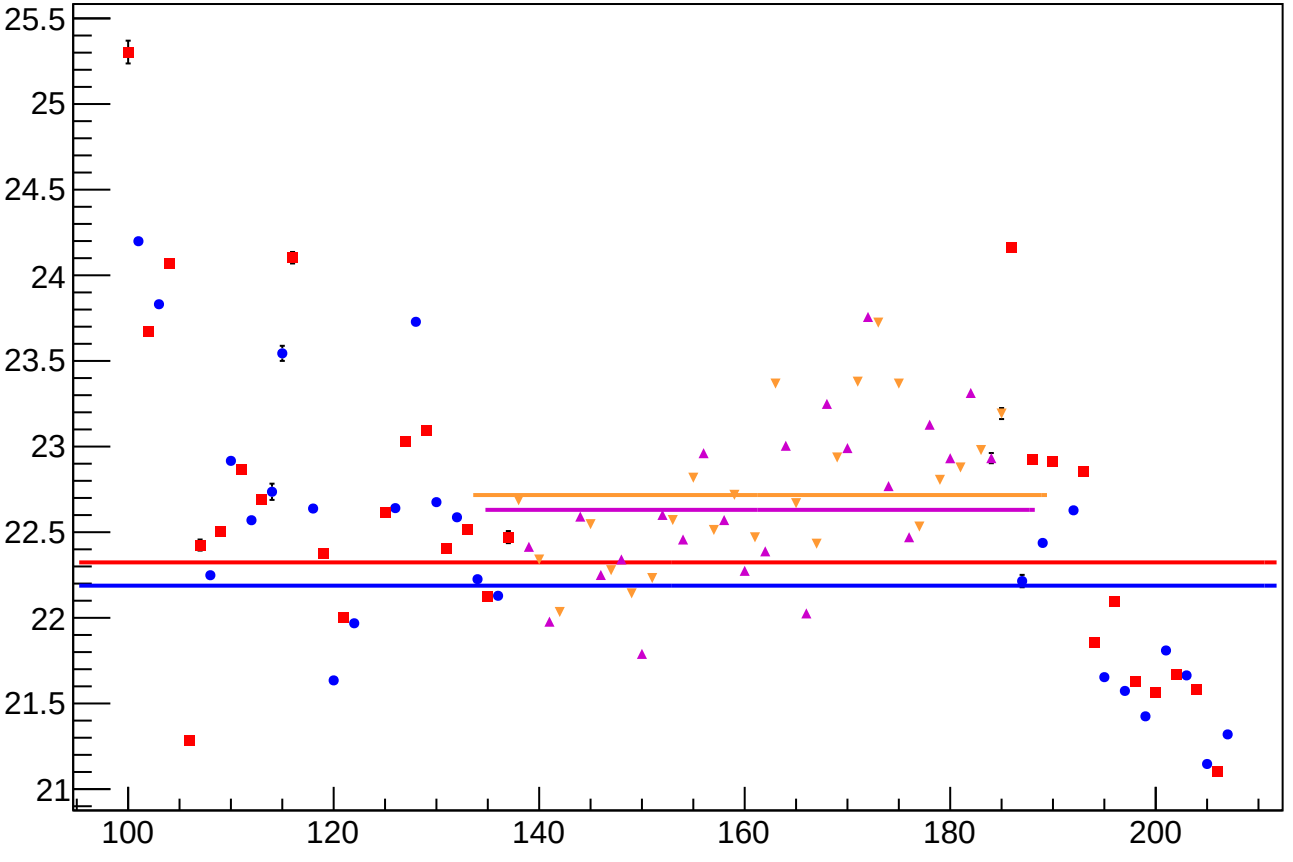
Right: 2.848+/-3.996 χ^2/NDF: 52.7/54

In: 0.357+/-3.887 χ^2/NDF:44.5/48

Out: 9.814+/-3.830 χ^2/NDF:66.0/52

All: 5.155+/-2.728 χ^2/NDF: 113.4/101

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.188+/-0.004 χ^2/NDF: 37613.5/25

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

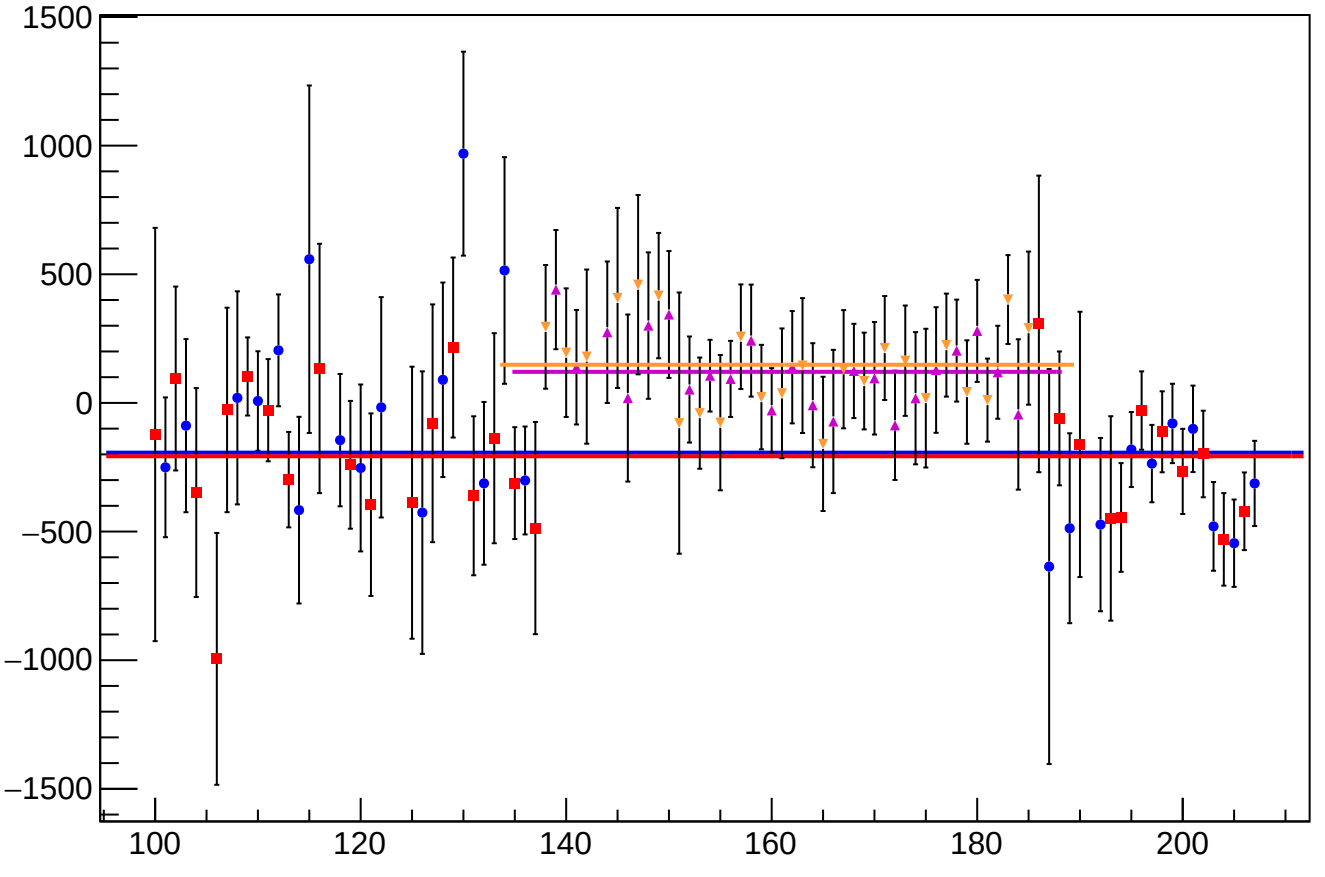
Right: 22.258+/-0.003 χ^2/NDF: 80088.9/54

In: 22.427+/-0.003 χ^2/NDF:59446.1/48

Out: 22.531+/-0.003 χ^2/NDF:59330.2/52

All: 22.480+/-0.002 χ^2/NDF: 119500.8/101

asym_bcm_dg_ds_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -193.318+/-46.525 χ^2/NDF: 29.2/25

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

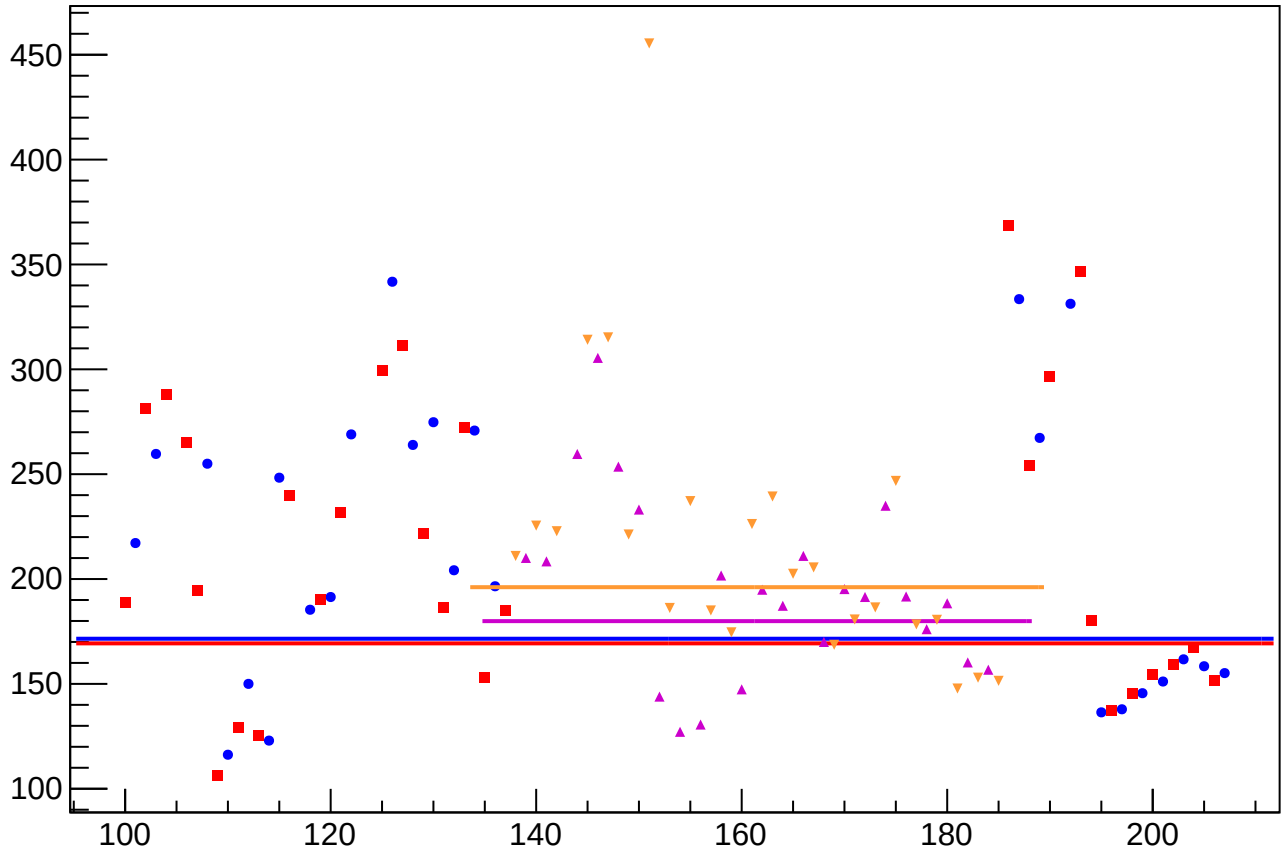
Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

Right: -200.606+/-32.366 χ^2/NDF: 51.4/54

In: -27.239+/-31.937 χ^2/NDF:61.2/48

Out: -37.825+/-32.595 χ^2/NDF:62.8/52

All: -32.424+/-22.812 χ^2/NDF: 124.0/101



Right In: 171.534+/-0.033 χ^2/NDF: 2248947.9/25

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

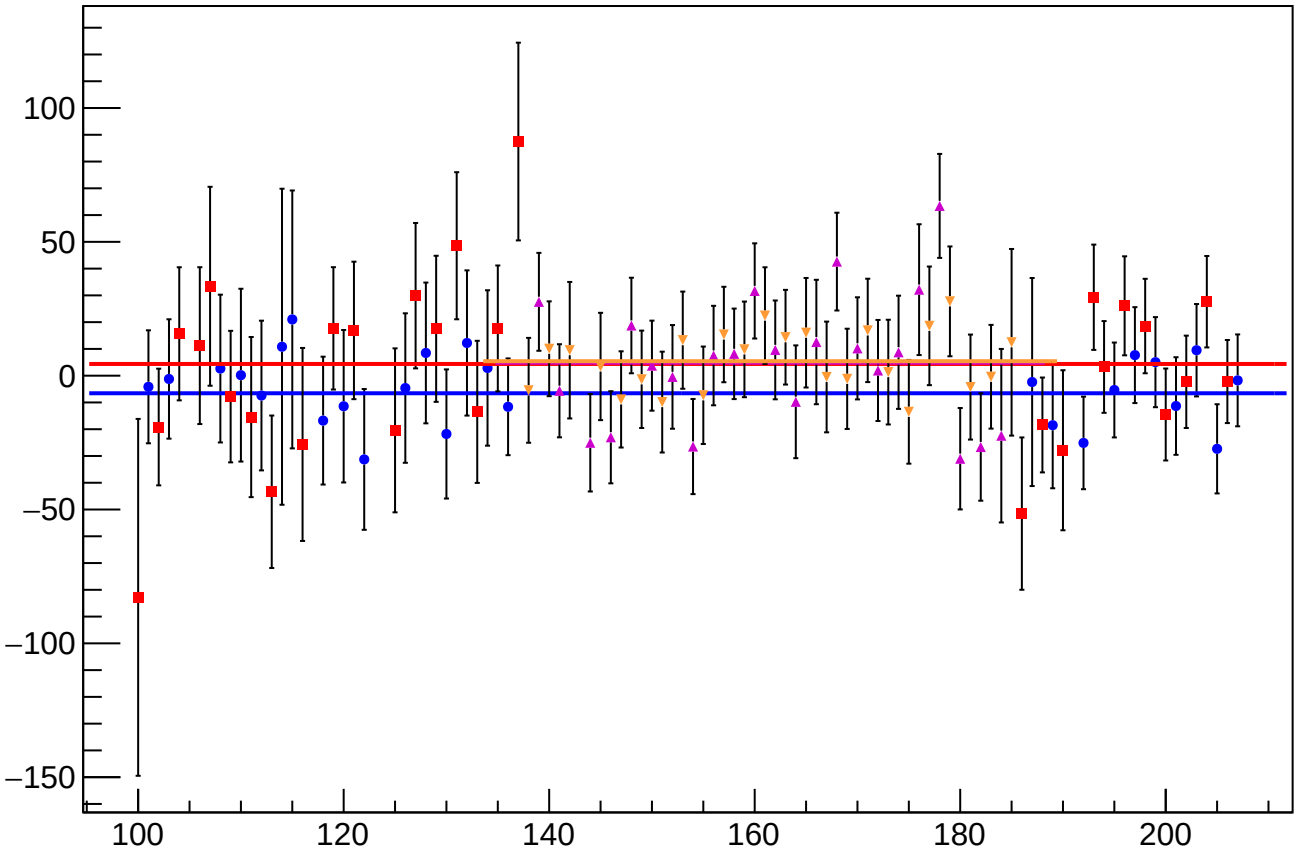
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 170.391+/-0.023 χ^2/NDF: 5028247.2/54

In: 175.970+/-0.023 χ^2/NDF:3907479.8/48

Out: 182.090+/-0.023 χ^2/NDF:4840324.2/52

All: 178.968+/-0.016 χ^2/NDF: 8783774.2/101



Right In: -6.568+/-4.385 χ^2/NDF: 8.2/25

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

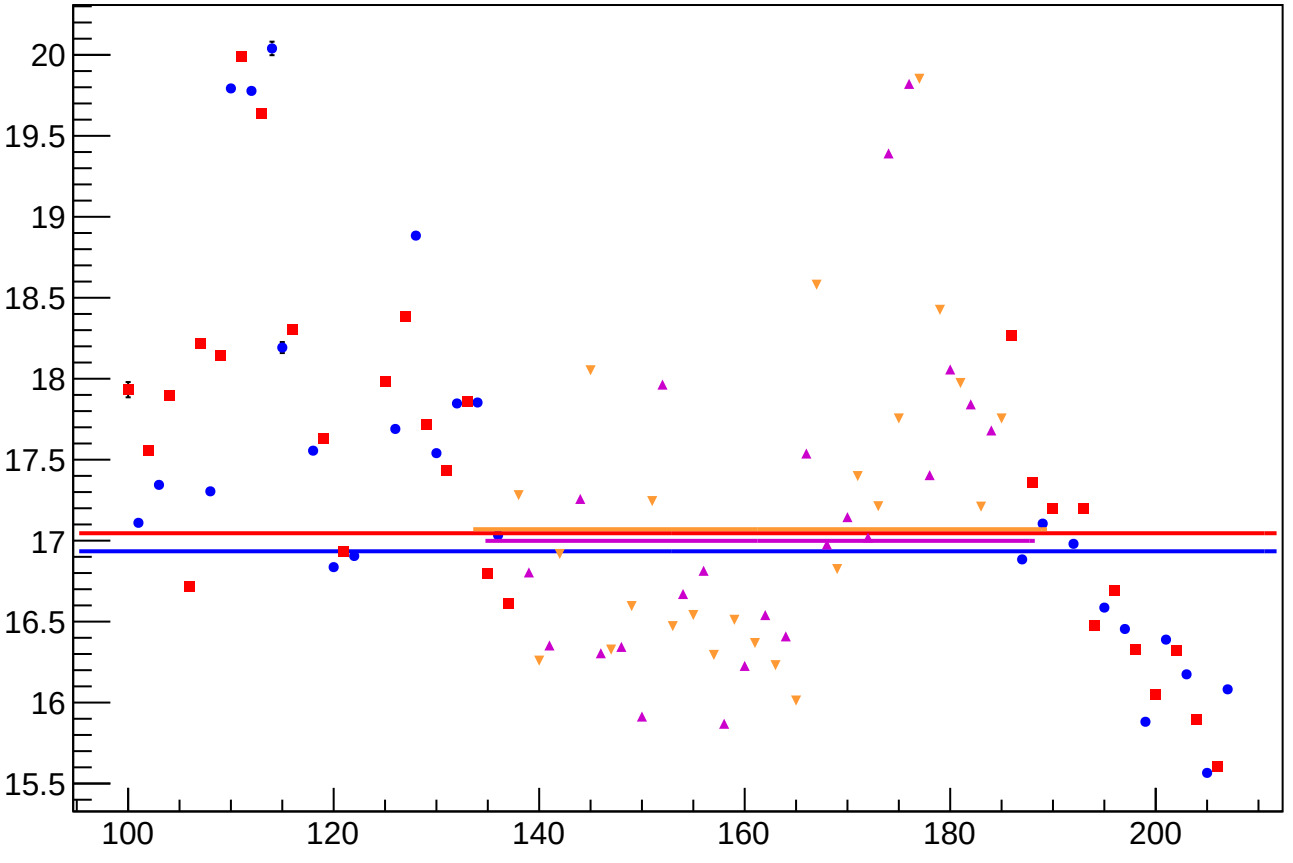
Right: -0.939+/-3.056 χ^2/NDF: 43.8/54

In: -0.304+/-2.947 χ^2/NDF:47.5/48

Out: 4.927+/-2.905 χ^2/NDF:40.2/52

All: 2.349+/-2.069 χ^2/NDF: 89.3/101

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 16.934+/-0.003 χ^2/NDF: 98124.5/25

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

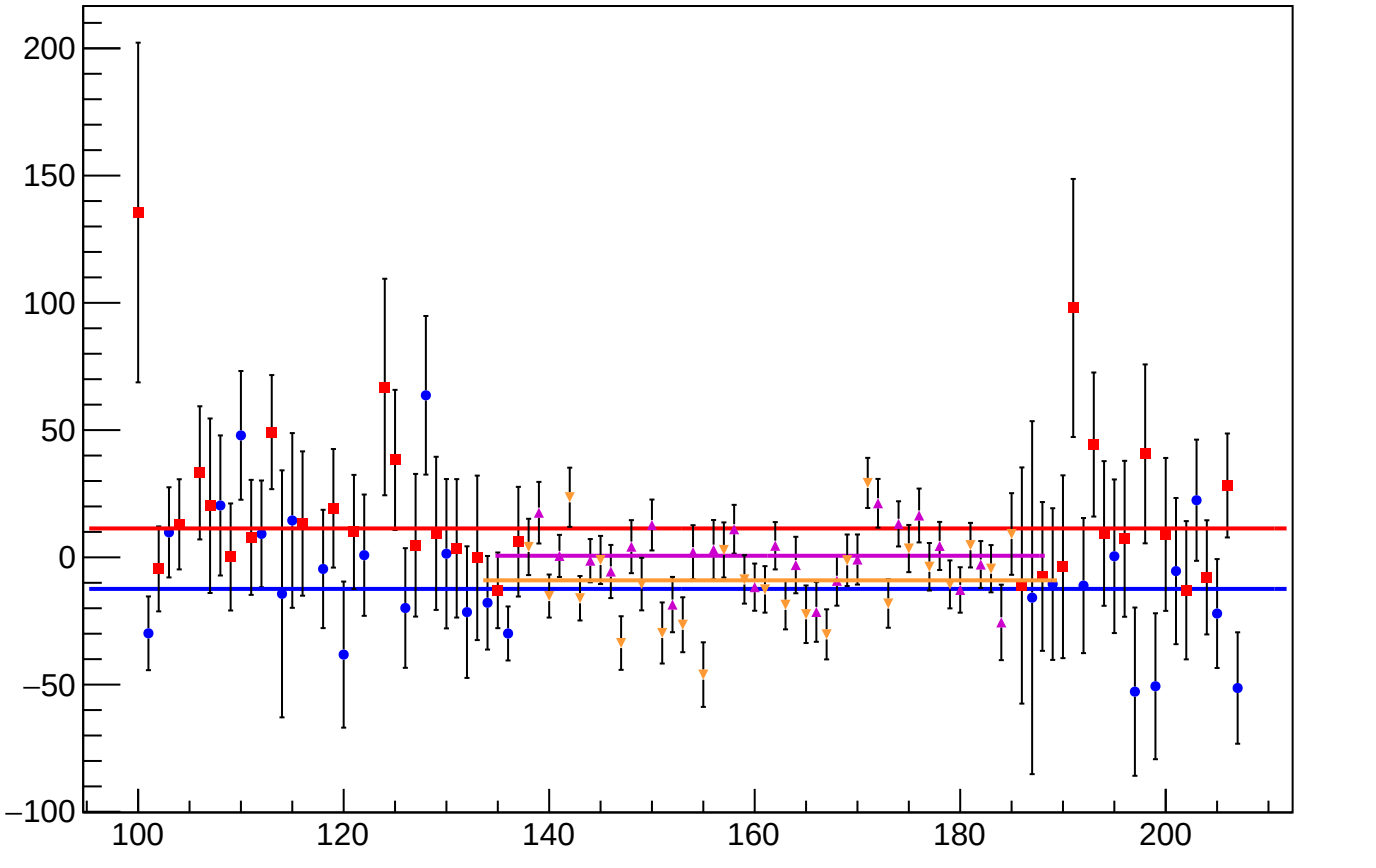
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

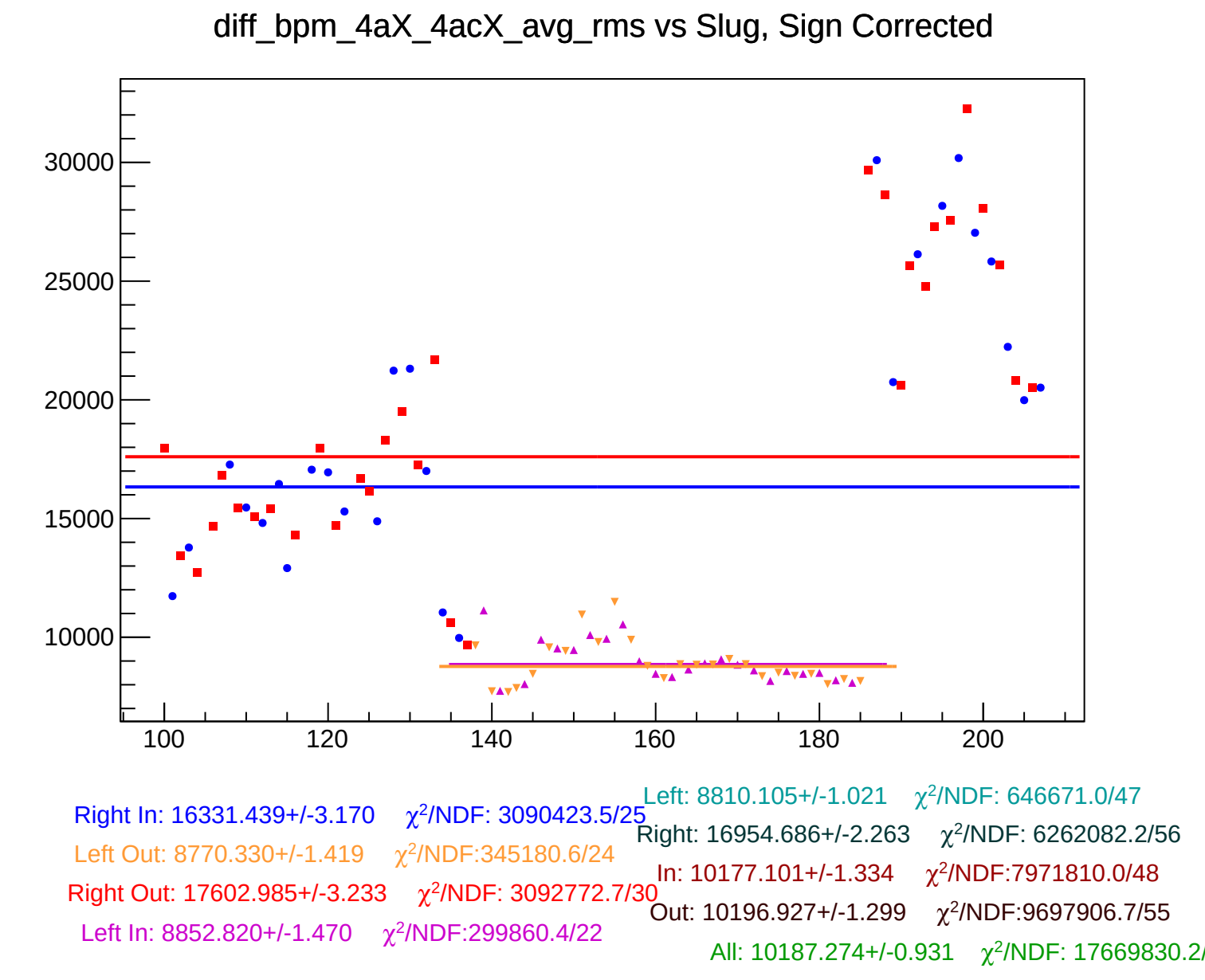
Right: 16.992+/-0.002 χ^2/NDF: 206554.7/54

In: 16.970+/-0.002 χ^2/NDF:202382.4/48

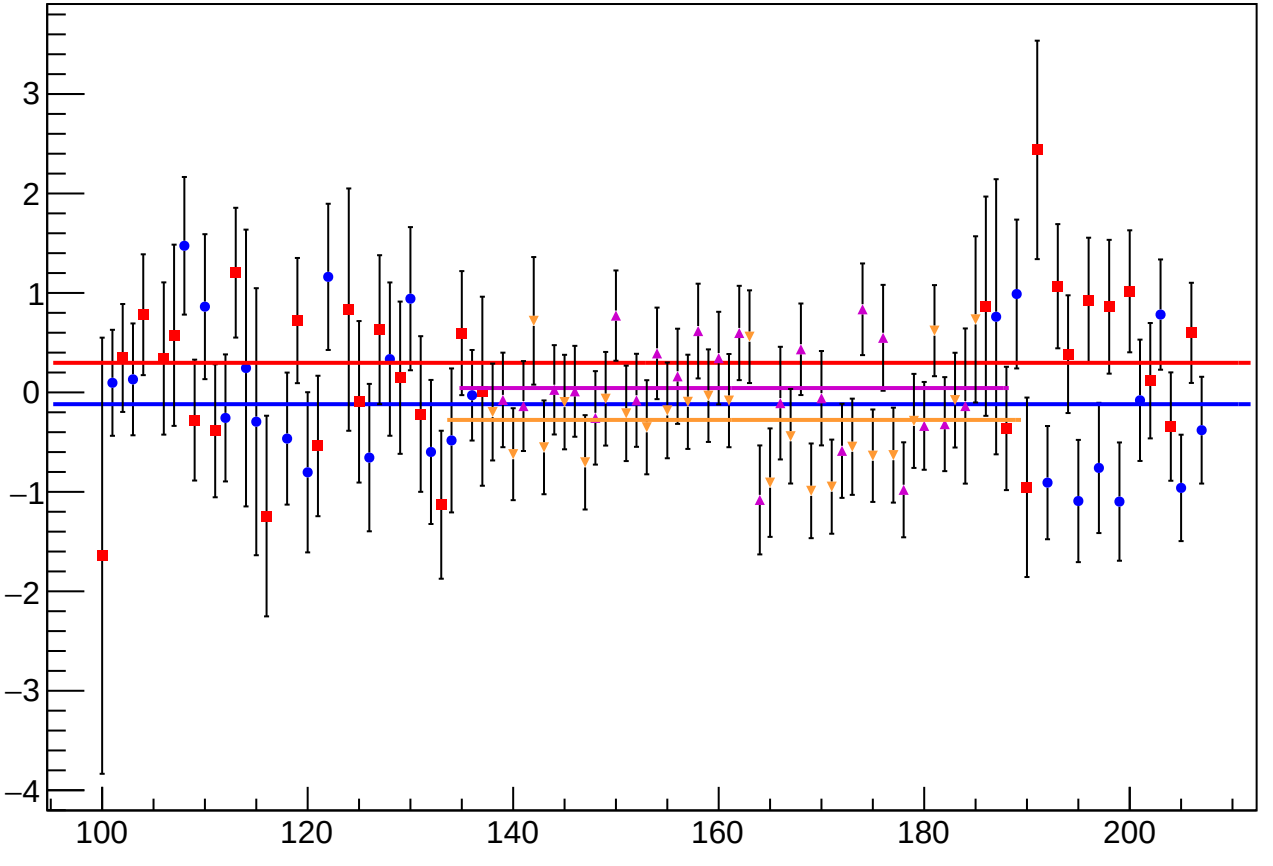
Out: 17.059+/-0.002 χ^2/NDF:204114.1/52

All: 17.015+/-0.001 χ^2/NDF: 407432.0/101


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: -12.398+/-4.482 χ²/NDF: 31.3/25
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: -0.752+/-3.201 χ²/NDF: 67.2/56
In: -1.679+/-1.886 χ²/NDF:67.7/48
Out: -5.734+/-1.837 χ²/NDF:100.8/55
All: -3.760+/-1.316 χ²/NDF: 170.9/104


diff_bpm_4aX_4acX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16331.439+/-3.170 χ²/NDF: 3090423.5/25
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 17602.985+/-3.233 χ²/NDF: 3092772.7/30
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
Left: 8810.105+/-1.021 χ²/NDF: 646671.0/47
Right: 16954.686+/-2.263 χ²/NDF: 6262082.2/56
In: 10177.101+/-1.334 χ²/NDF:7971810.0/48
Out: 10196.927+/-1.299 χ²/NDF:9697906.7/55
All: 10187.274+/-0.931 χ²/NDF: 17669830.2/

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.118+/-0.129 χ^2/NDF: 31.5/25

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

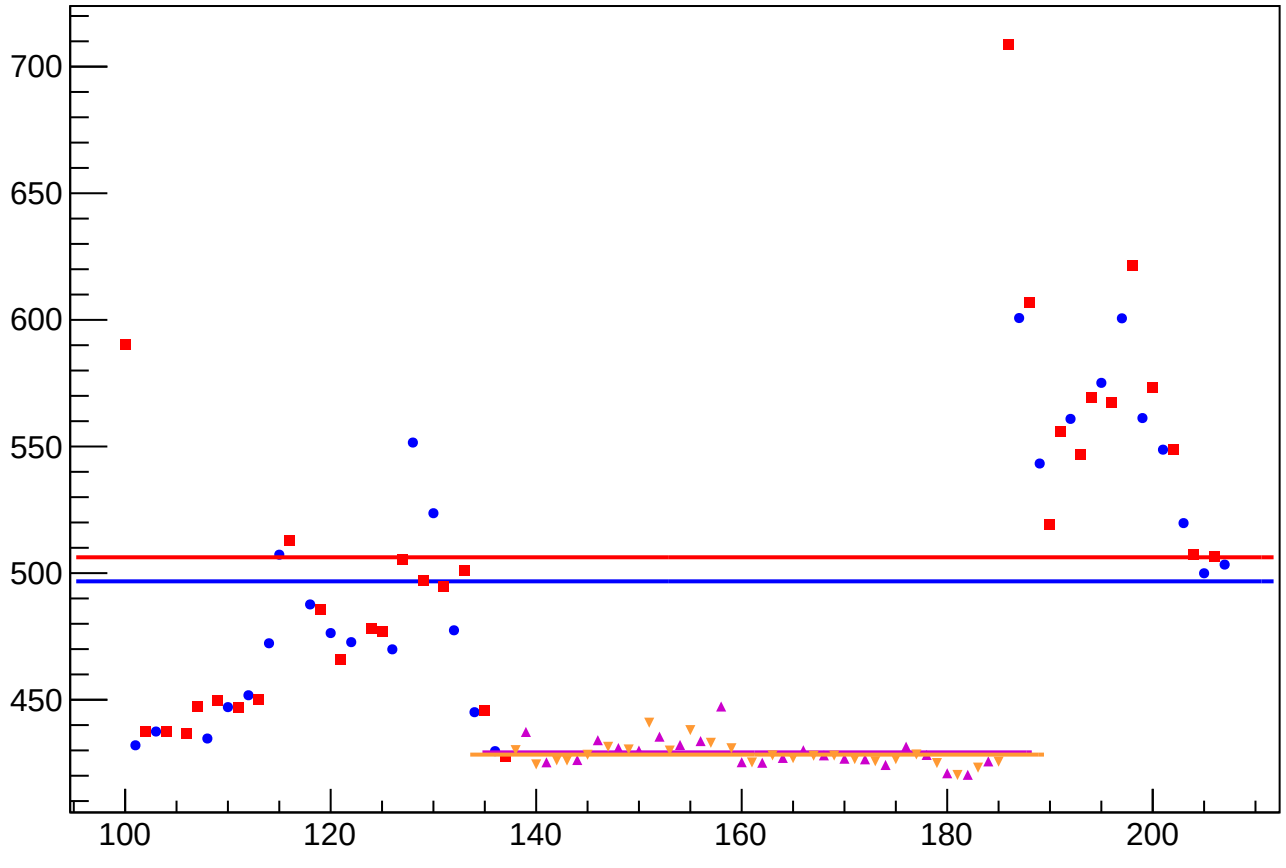
Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

Right: 0.095+/-0.090 χ^2/NDF: 65.0/56

In: -0.017+/-0.079 χ^2/NDF:56.3/48

Out: -0.061+/-0.077 χ^2/NDF:62.4/55

All: -0.040+/-0.055 χ^2/NDF: 118.8/104



Right In: 496.761+/-0.091 χ^2/NDF: 331258.5/25

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

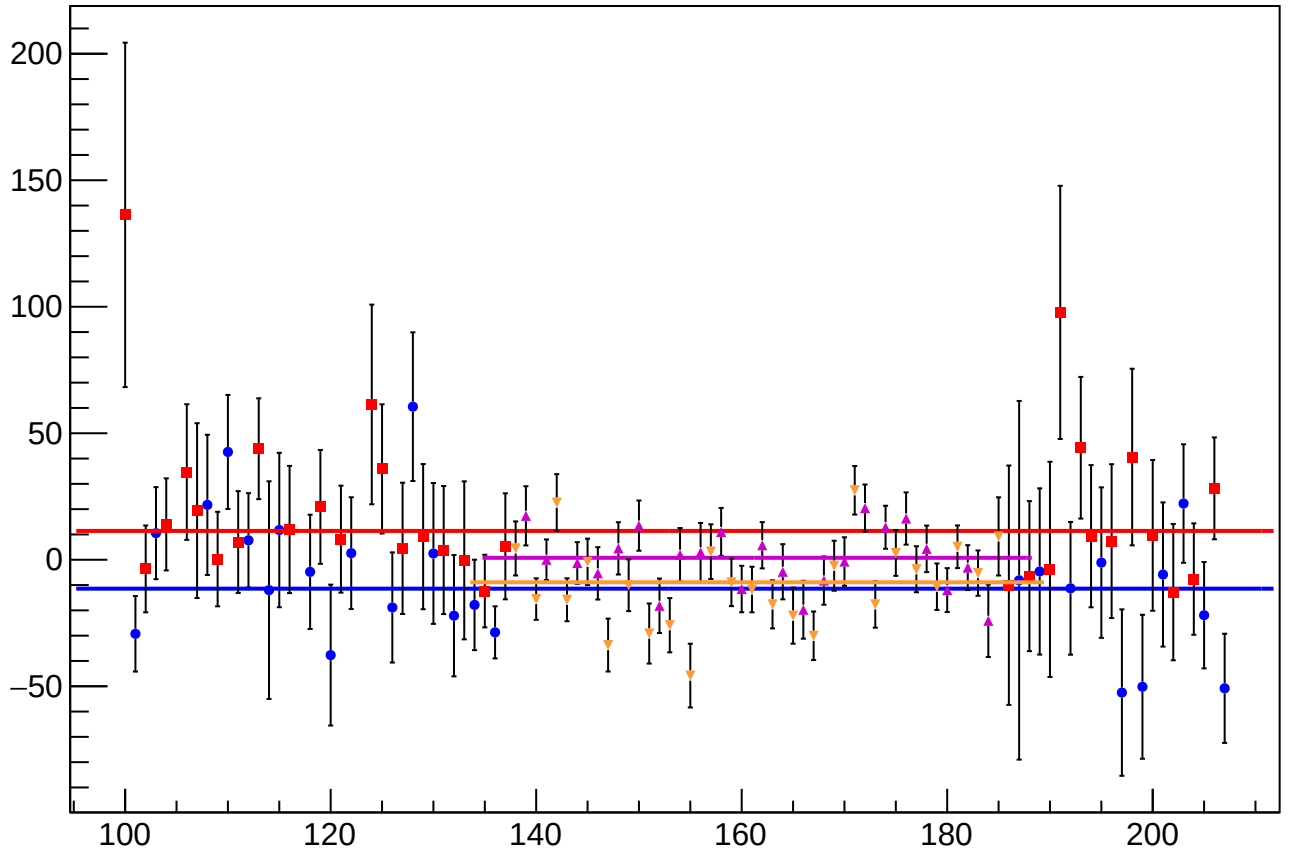
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 501.639+/-0.064 χ^2/NDF: 783843.9/56

In: 454.634+/-0.056 χ^2/NDF:679566.3/48

Out: 457.573+/-0.054 χ^2/NDF:932103.9/55

All: 456.146+/-0.039 χ^2/NDF: 1613088.3/104



Right In: -11.424+/-4.353 χ^2/NDF: 31.8/25

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

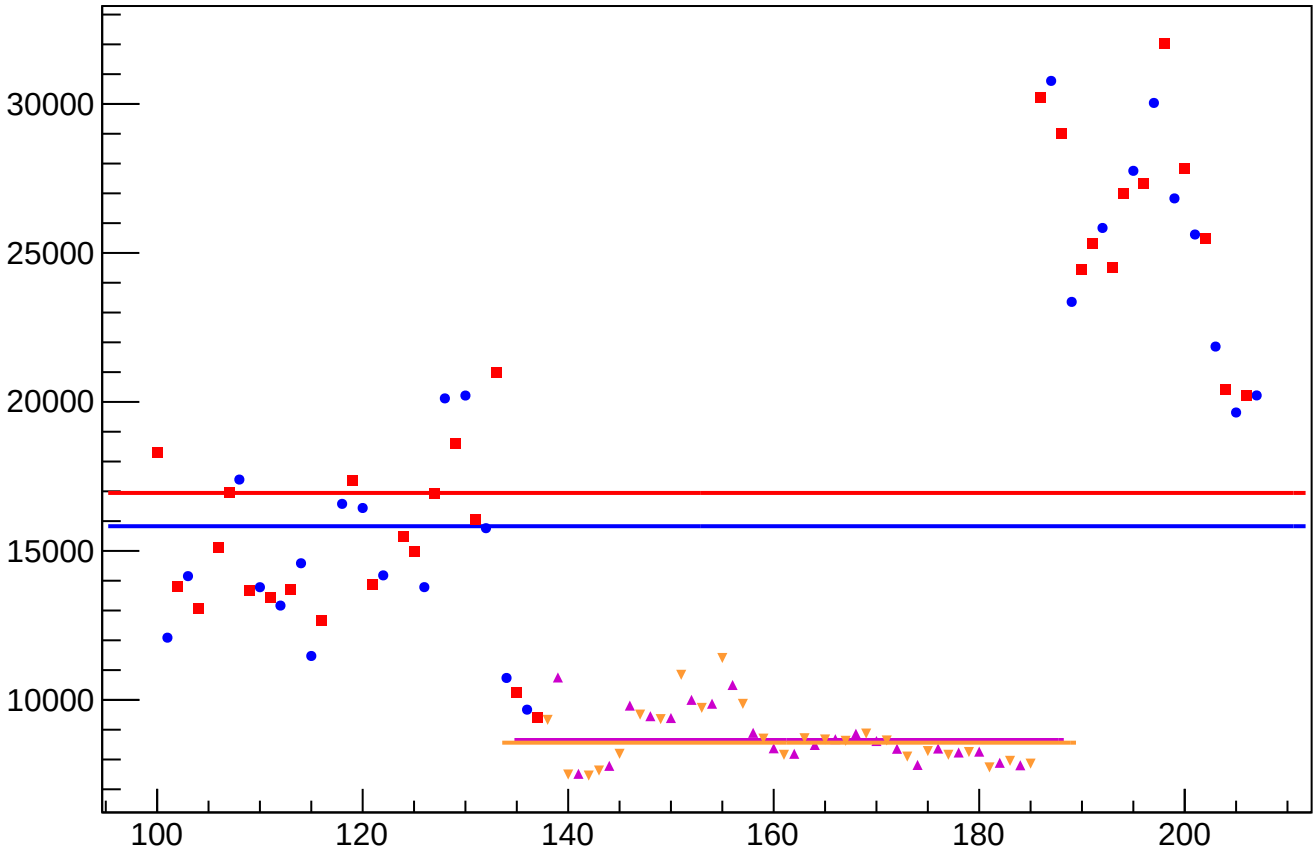
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: -0.193+/-3.103 χ^2/NDF: 67.3/56

In: -1.413+/-1.843 χ^2/NDF:67.6/48

Out: -5.569+/-1.793 χ^2/NDF:101.1/55

All: -3.548+/-1.285 χ^2/NDF: 171.3/104



Right In: 15828.986+/-3.078 χ^2/NDF: 3246459.1/25

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16945.713+/-3.127 χ^2/NDF: 3379863.9/30

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

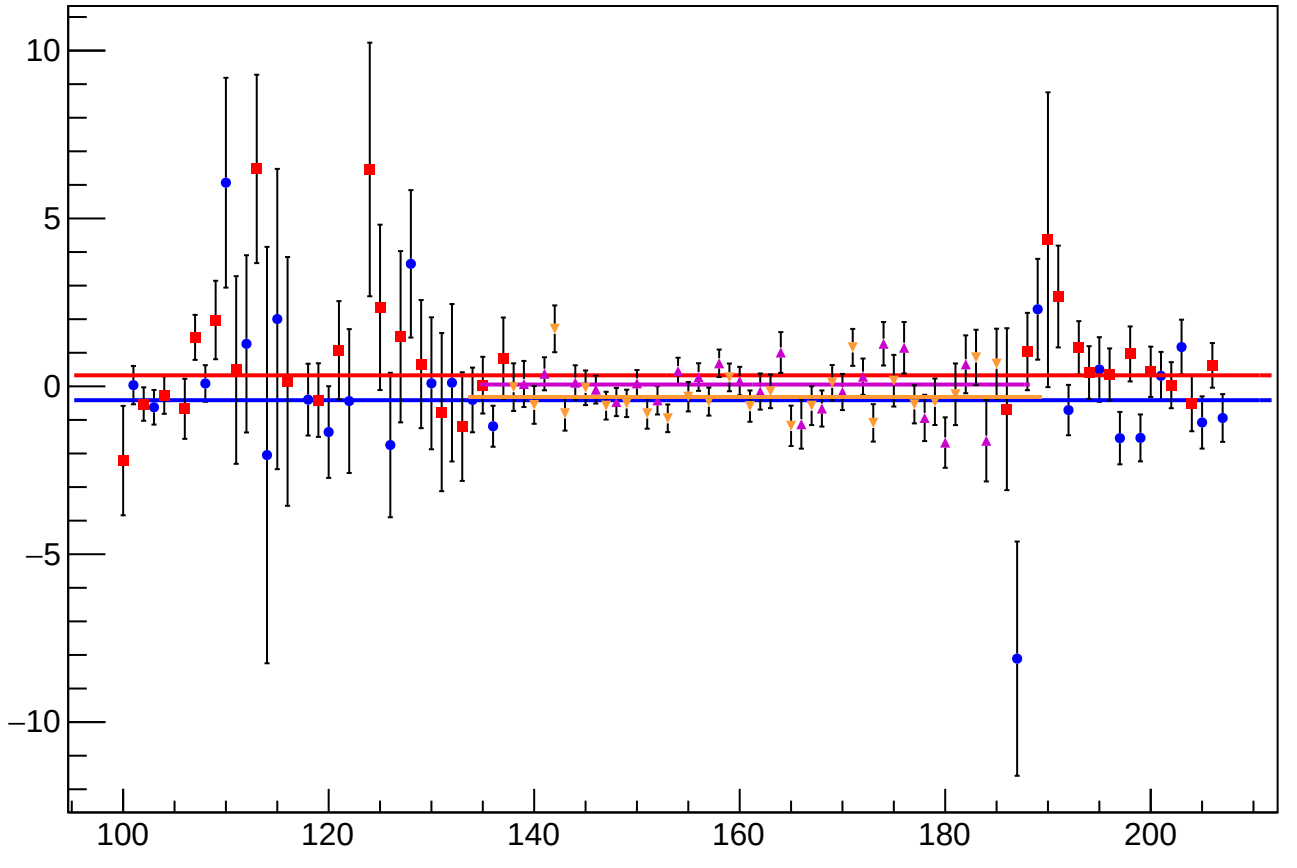
Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

Right: 16378.489+/-2.194 χ^2/NDF: 6691084.2/56

In: 9939.843+/-1.303 χ^2/NDF:8051202.7/48

Out: 9941.155+/-1.268 χ^2/NDF:9782624.6/55

All: 9940.517+/-0.909 χ^2/NDF: 17833827.9/1



Right In: -0.413+/-0.180 χ^2/NDF: 32.7/25

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

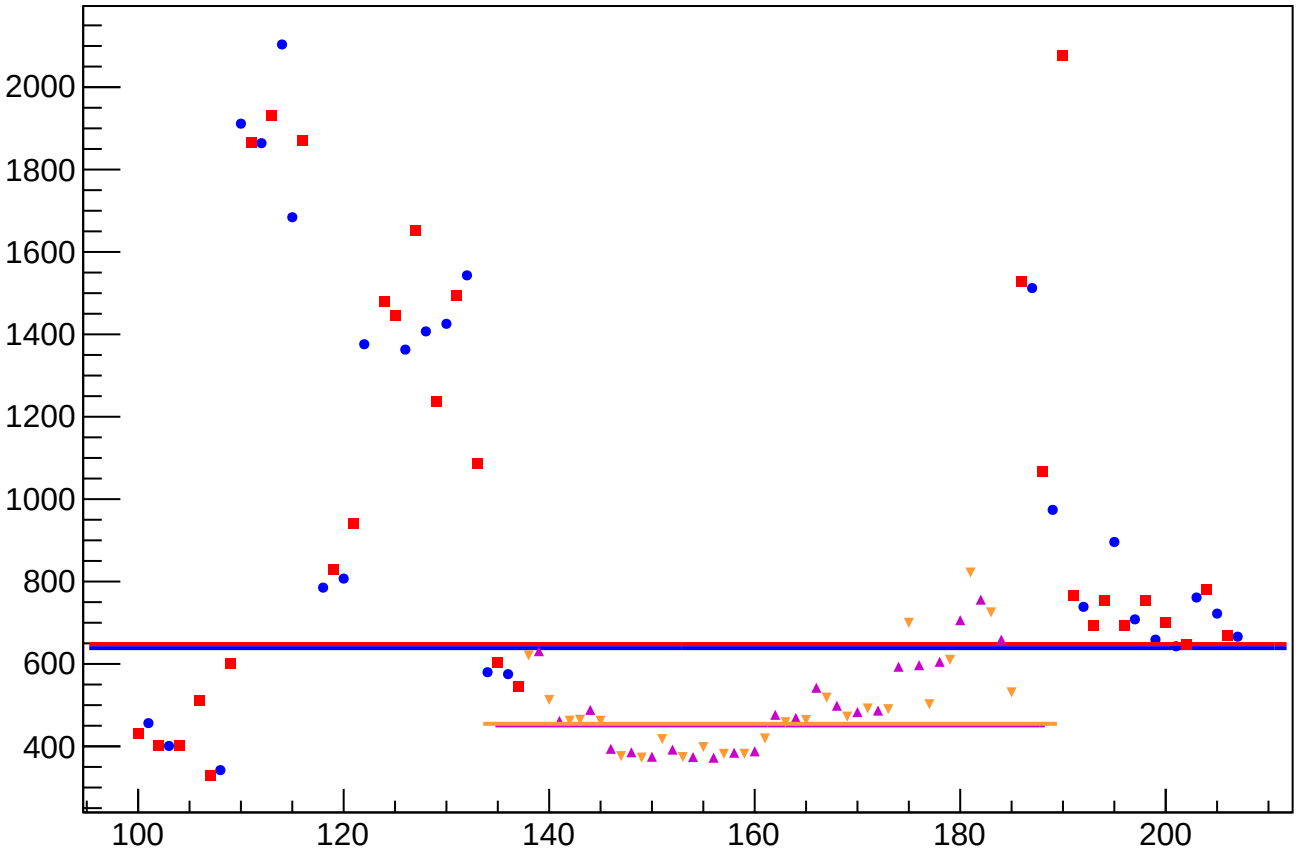
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.035+/-0.126 χ^2/NDF: 71.2/56

In: -0.070+/-0.093 χ^2/NDF:67.4/48

Out: -0.146+/-0.091 χ^2/NDF:72.0/55

All: -0.109+/-0.065 χ^2/NDF: 139.8/104



Right In: 638.358+/-0.127 χ^2/NDF: 4122784.1/25

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

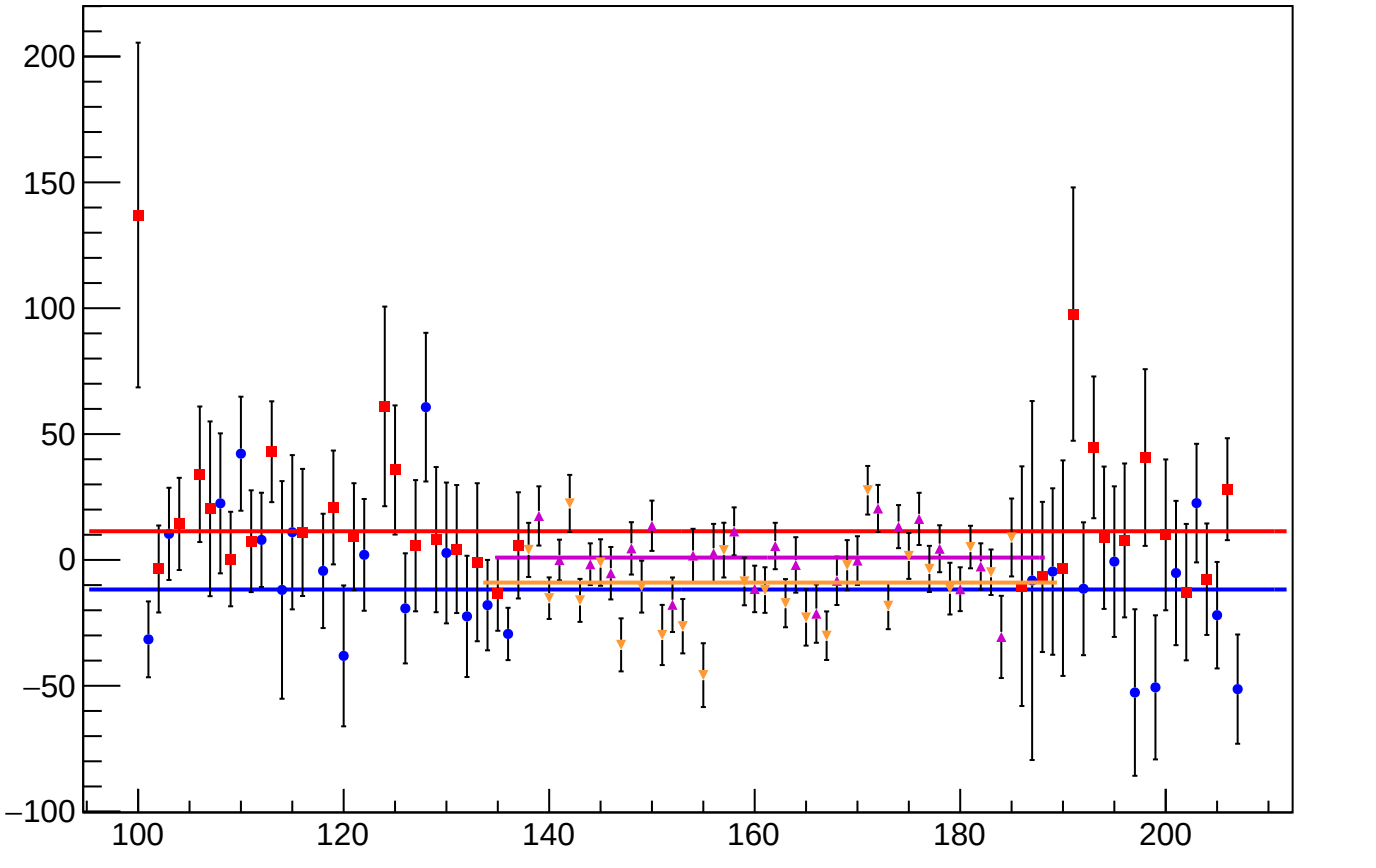
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

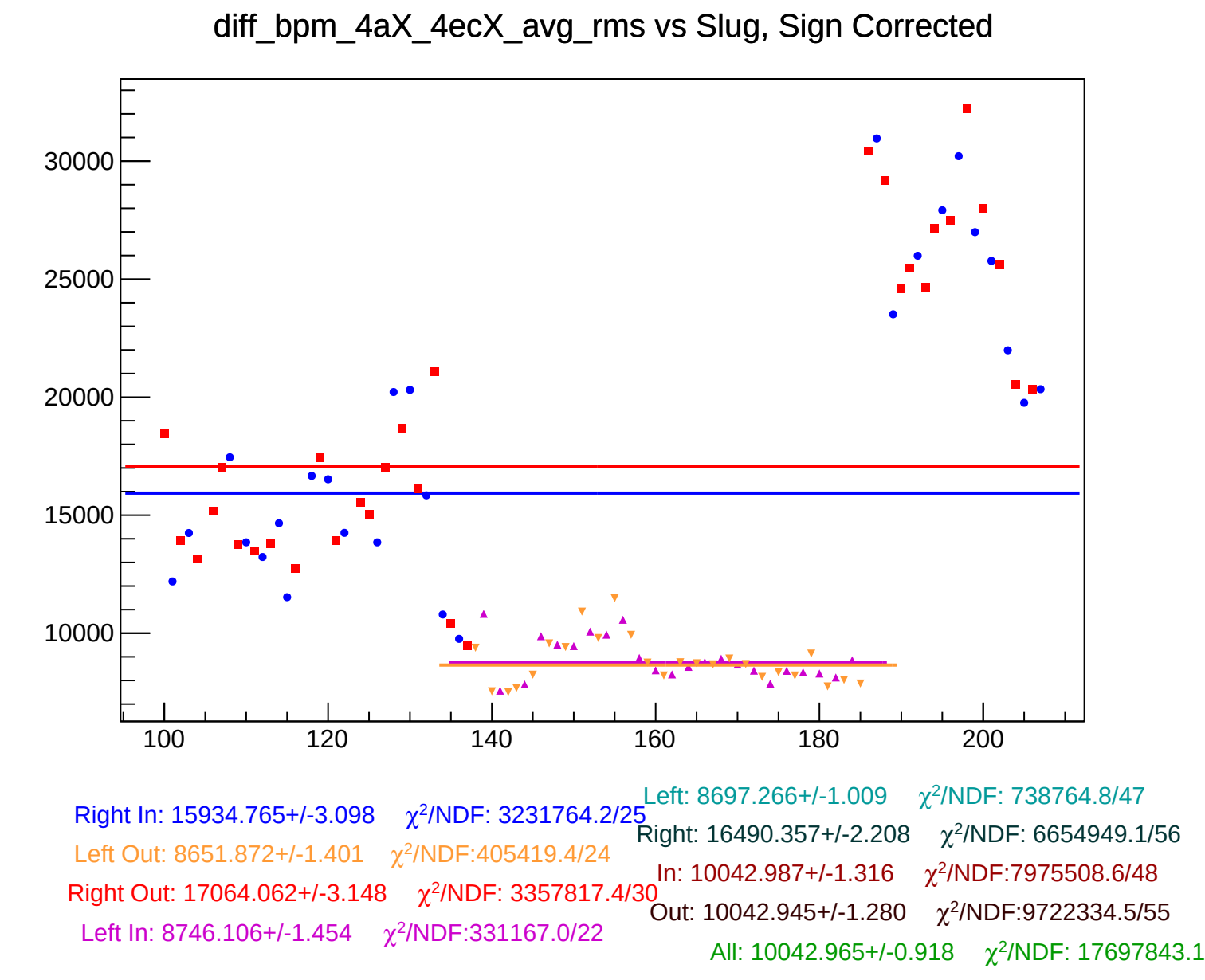
Right: 643.410+/-0.089 χ^2/NDF: 8825948.9/56

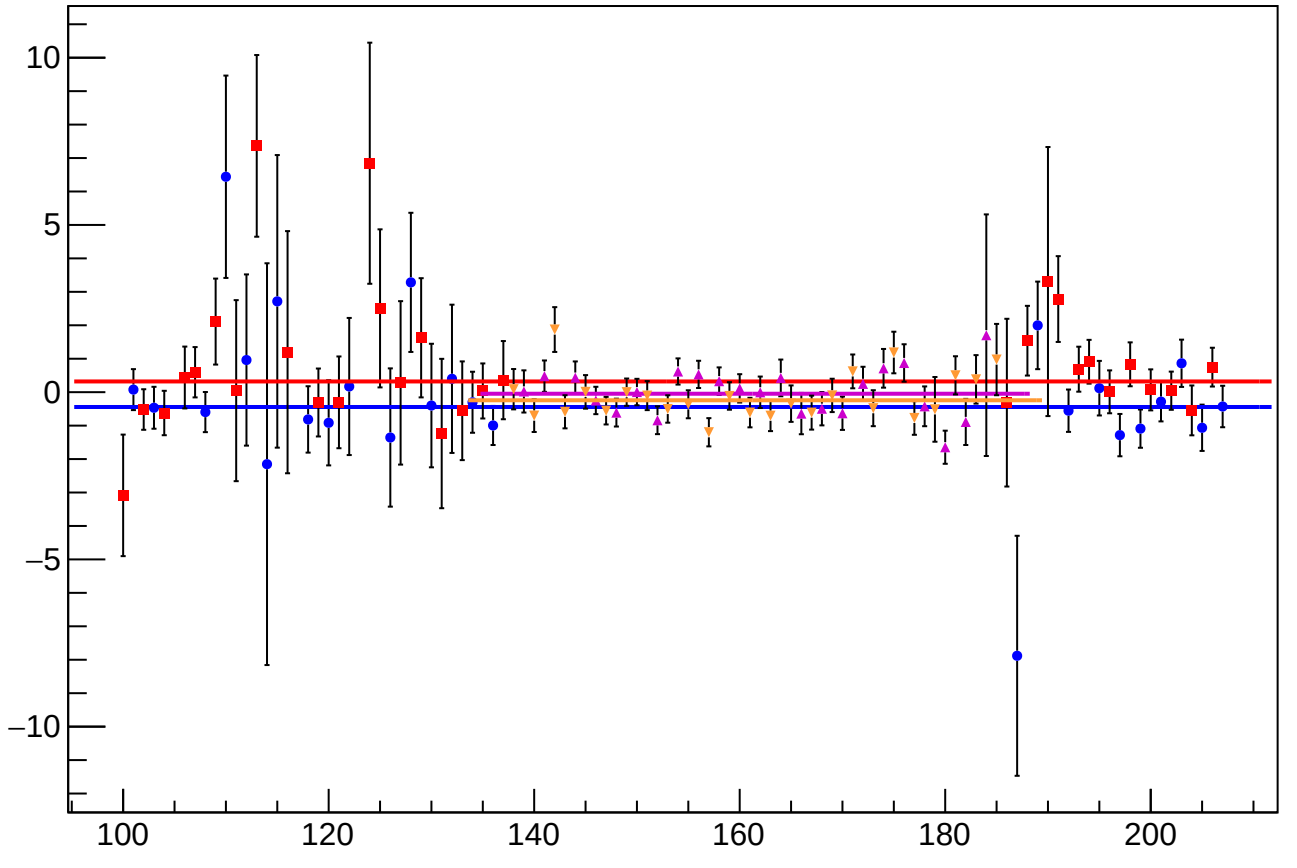
In: 500.619+/-0.066 χ^2/NDF:7193736.8/48

Out: 506.029+/-0.064 χ^2/NDF:7920987.2/55

All: 503.378+/-0.046 χ^2/NDF: 15118201.0/10


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: -11.747+/-4.381 χ²/NDF: 32.3/25
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: -0.363+/-3.123 χ²/NDF: 67.7/56
In: -1.361+/-1.861 χ²/NDF:69.0/48
Out: -5.628+/-1.811 χ²/NDF:100.5/55
All: -3.553+/-1.298 χ²/NDF: 172.2/104


diff_bpm_4aX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15934.765+/-3.098 χ²/NDF: 3231764.2/25
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: 16490.357+/-2.208 χ²/NDF: 6654949.1/56
In: 10042.987+/-1.316 χ²/NDF:7975508.6/48
Out: 10042.945+/-1.280 χ²/NDF:9722334.5/55
All: 10042.965+/-0.918 χ²/NDF: 17697843.1



Right In: -0.443+/-0.169 χ^2/NDF: 27.3/25

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

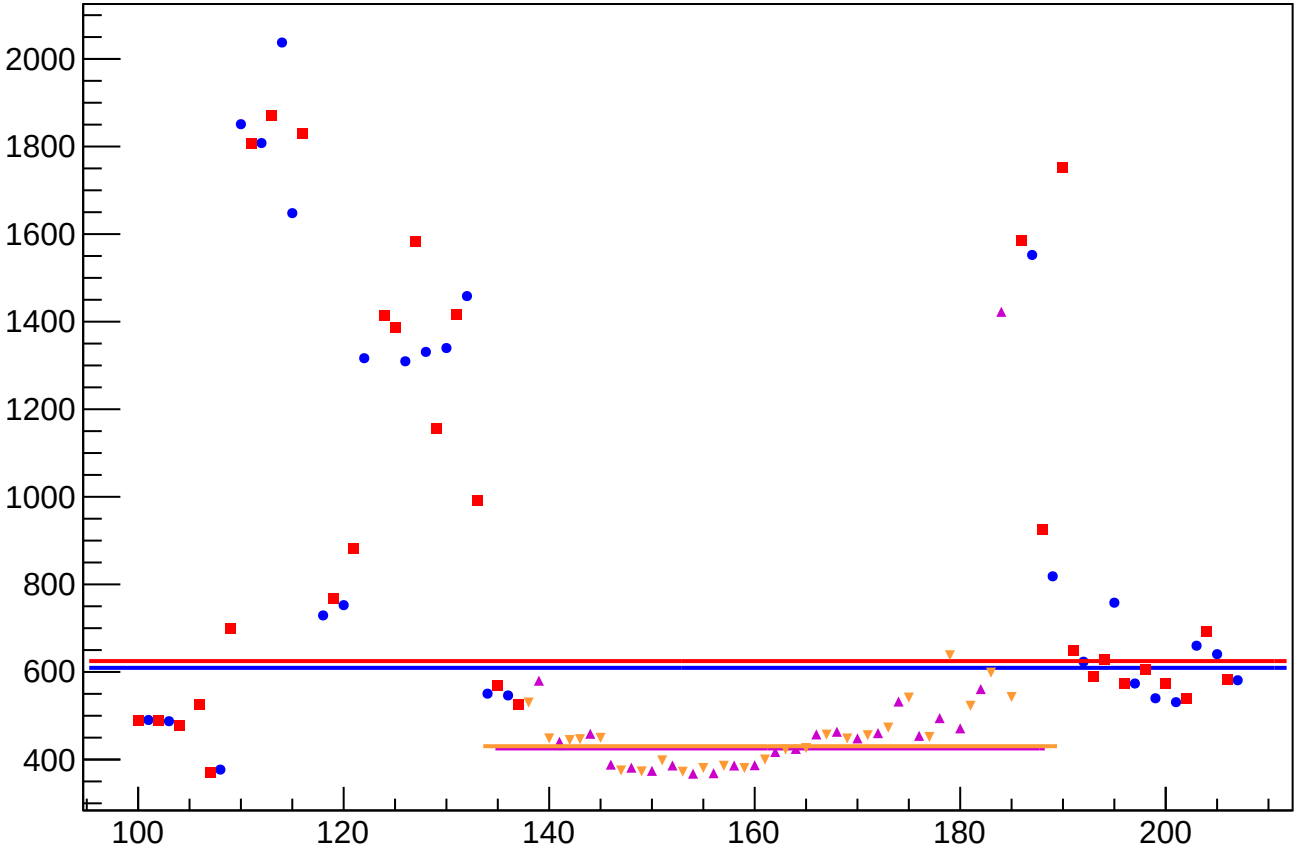
Right: -0.057+/-0.119 χ^2/NDF: 70.1/56

In: -0.152+/-0.087 χ^2/NDF:66.4/48

Out: -0.093+/-0.086 χ^2/NDF:75.1/55

All: -0.122+/-0.061 χ^2/NDF: 141.8/104

diff_bpm_4aX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 609.395+/-0.119 χ^2/NDF: 3198993.3/25

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

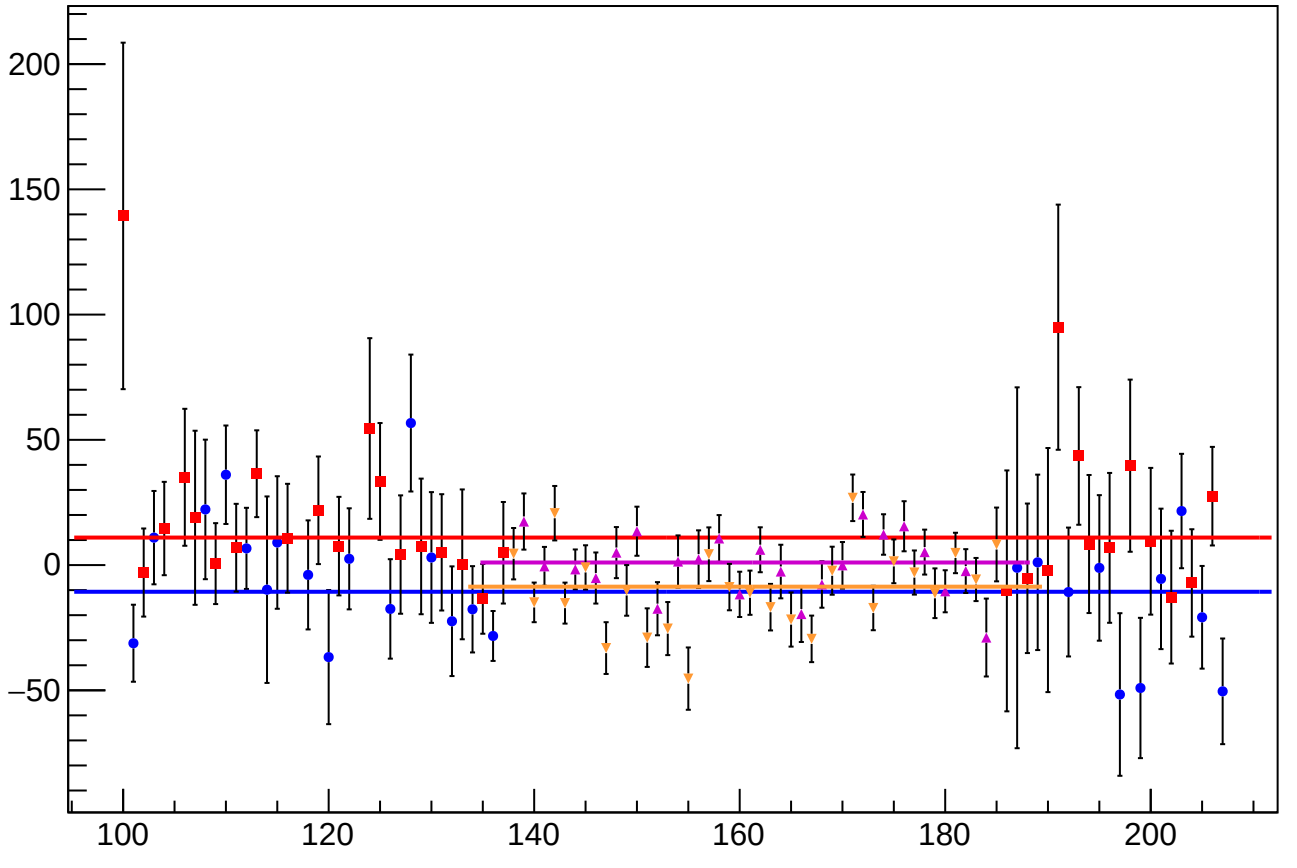
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 617.214+/-0.084 χ^2/NDF: 6722649.3/56

In: 474.224+/-0.062 χ^2/NDF:5660986.6/48

Out: 481.894+/-0.061 χ^2/NDF:6155837.2/55

All: 478.108+/-0.043 χ^2/NDF: 11824687.3/10



Right In: -10.658+/-4.169 χ^2/NDF: 32.9/25

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

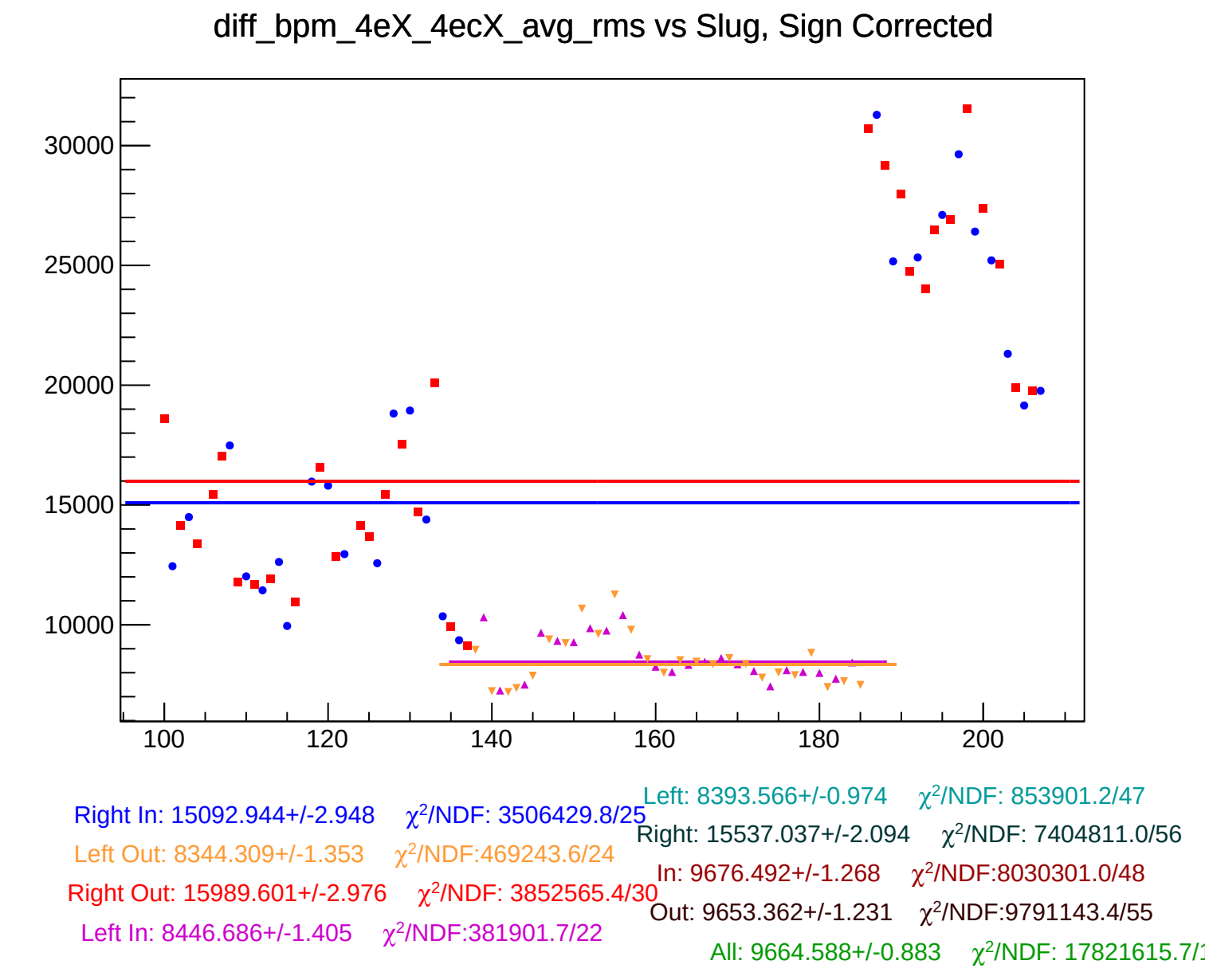
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

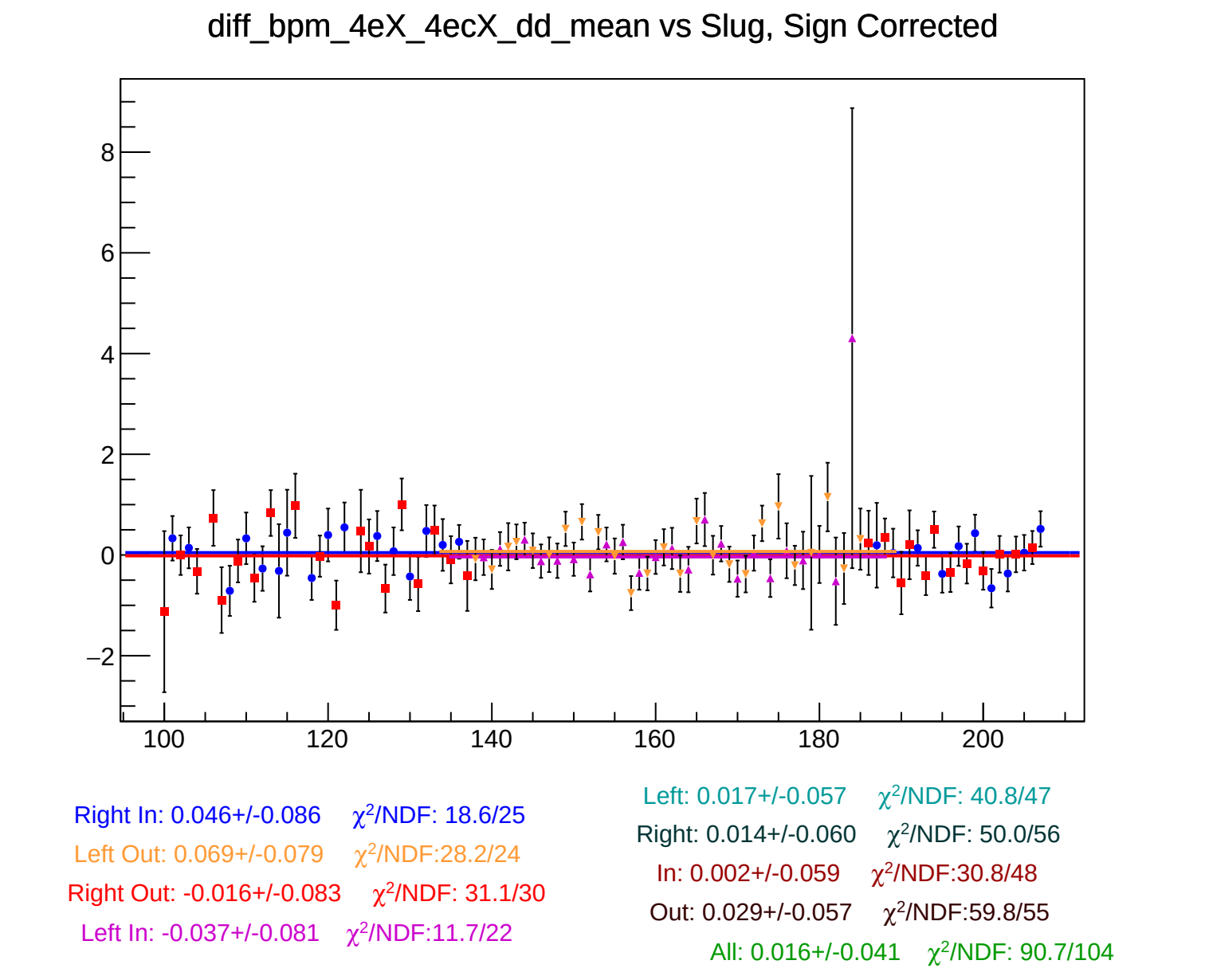
Right: 0.061+/-2.962 χ^2/NDF: 67.9/56

In: -1.135+/-1.793 χ^2/NDF:69.1/48

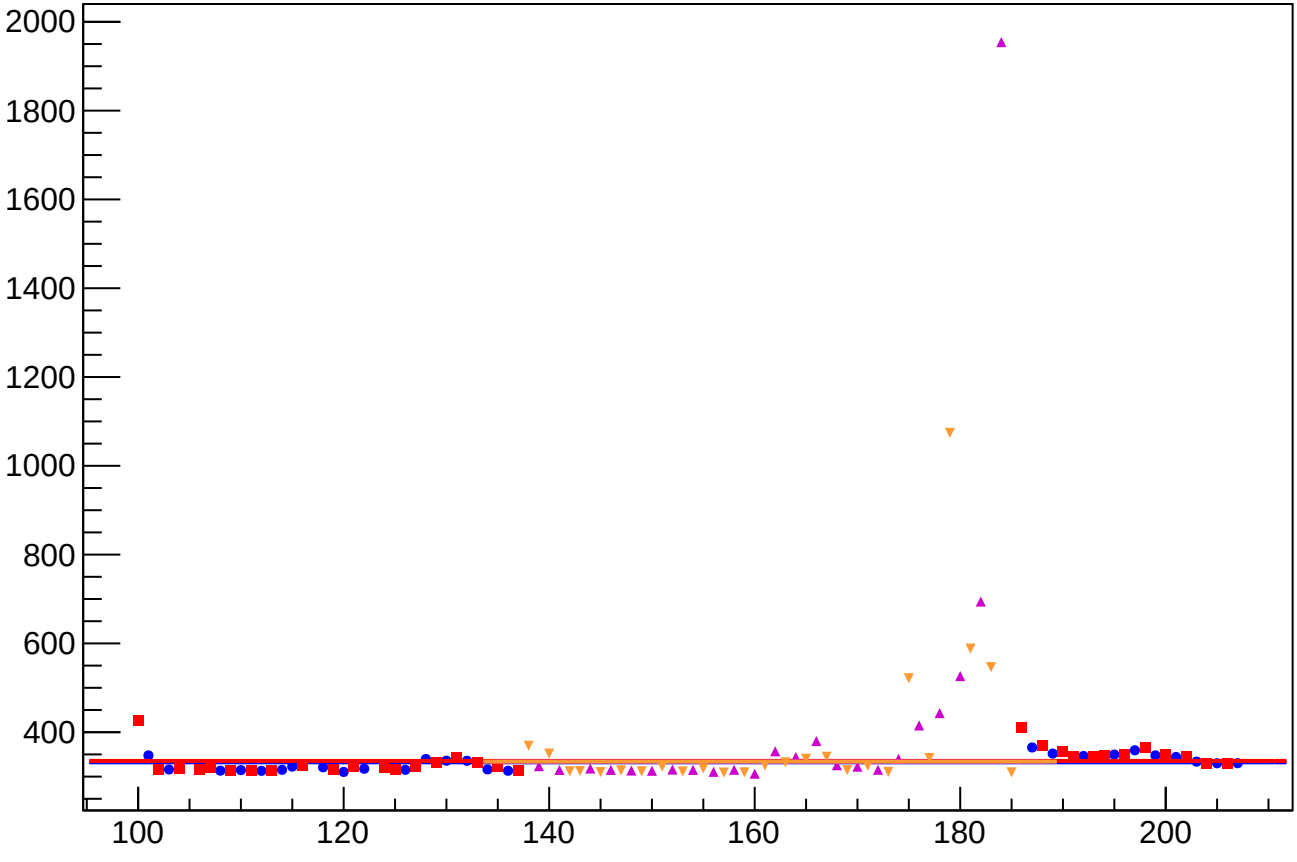
Out: -5.266+/-1.742 χ^2/NDF:101.2/55

All: -3.261+/-1.249 χ^2/NDF: 173.0/104


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15092.944+/-2.948 χ²/NDF: 3506429.8/25
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: 15537.037+/-2.094 χ²/NDF: 7404811.0/56
In: 9676.492+/-1.268 χ²/NDF:8030301.0/48
Out: 9653.362+/-1.231 χ²/NDF:9791143.4/55
All: 9664.588+/-0.883 χ²/NDF: 17821615.7/1


diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.046+/-0.086 χ²/NDF: 18.6/25
Left Out: 0.069+/-0.079 χ²/NDF:28.2/24
Right Out: -0.016+/-0.083 χ²/NDF: 31.1/30
Left In: -0.037+/-0.081 χ²/NDF:11.7/22
Left: 0.017+/-0.057 χ²/NDF: 40.8/47
Right: 0.014+/-0.060 χ²/NDF: 50.0/56
In: 0.002+/-0.059 χ²/NDF:30.8/48
Out: 0.029+/-0.057 χ²/NDF:59.8/55
All: 0.016+/-0.041 χ²/NDF: 90.7/104

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 332.196+/-0.061 χ^2/NDF: 62857.4/25

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

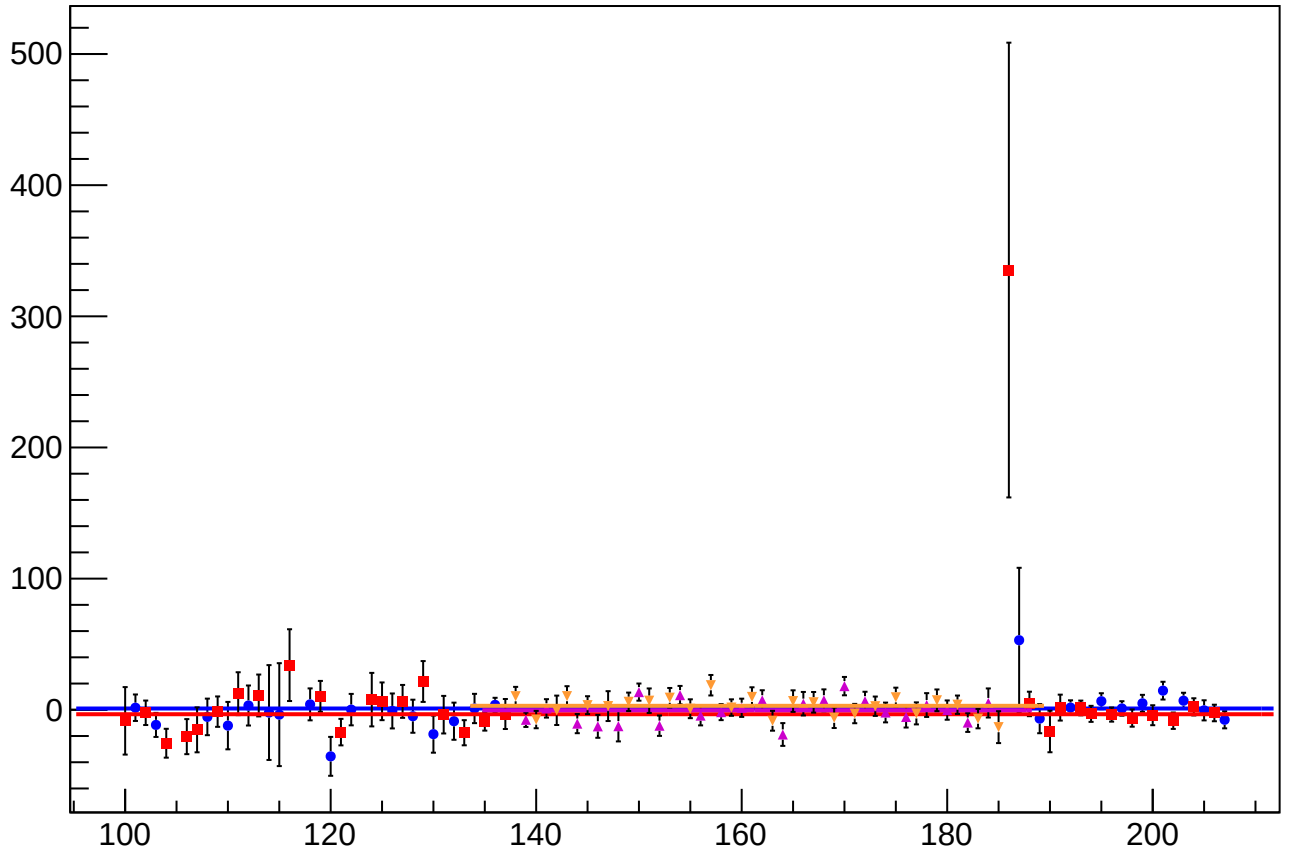
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 333.833+/-0.042 χ^2/NDF: 180457.6/56

In: 333.143+/-0.042 χ^2/NDF:1114297.2/48

Out: 334.530+/-0.040 χ^2/NDF:1333837.9/55

All: 333.857+/-0.029 χ^2/NDF: 2448705.5/104



Right In: 0.971+/-1.735 χ^2/NDF: 21.0/25

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

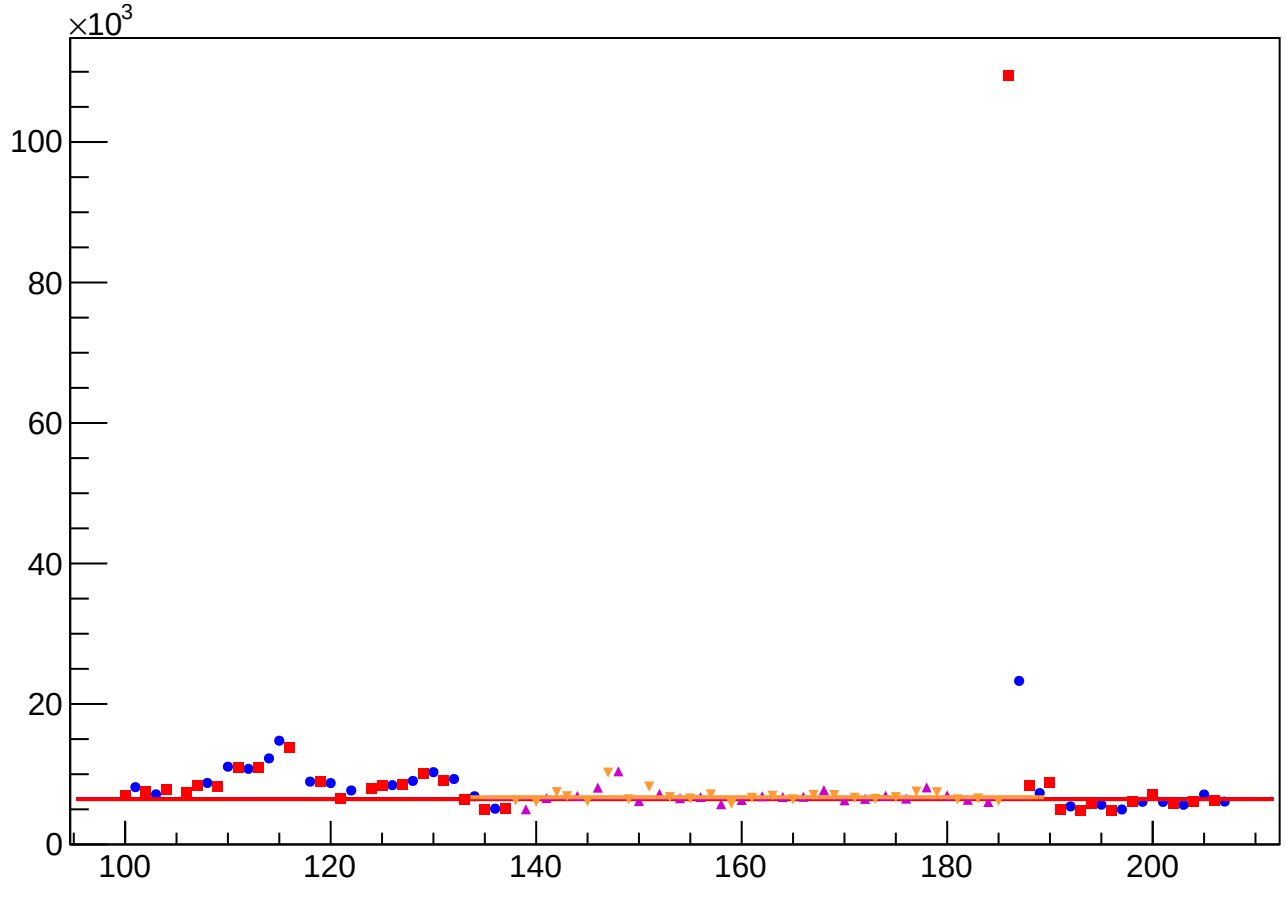
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.293+/-1.203 χ^2/NDF: 51.8/56

In: 0.243+/-1.163 χ^2/NDF:55.1/48

Out: 0.072+/-1.133 χ^2/NDF:55.8/55

All: 0.156+/-0.812 χ^2/NDF: 110.9/104



Right In: 6466.424+/-1.227 χ^2/NDF: 1707096.4/25

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

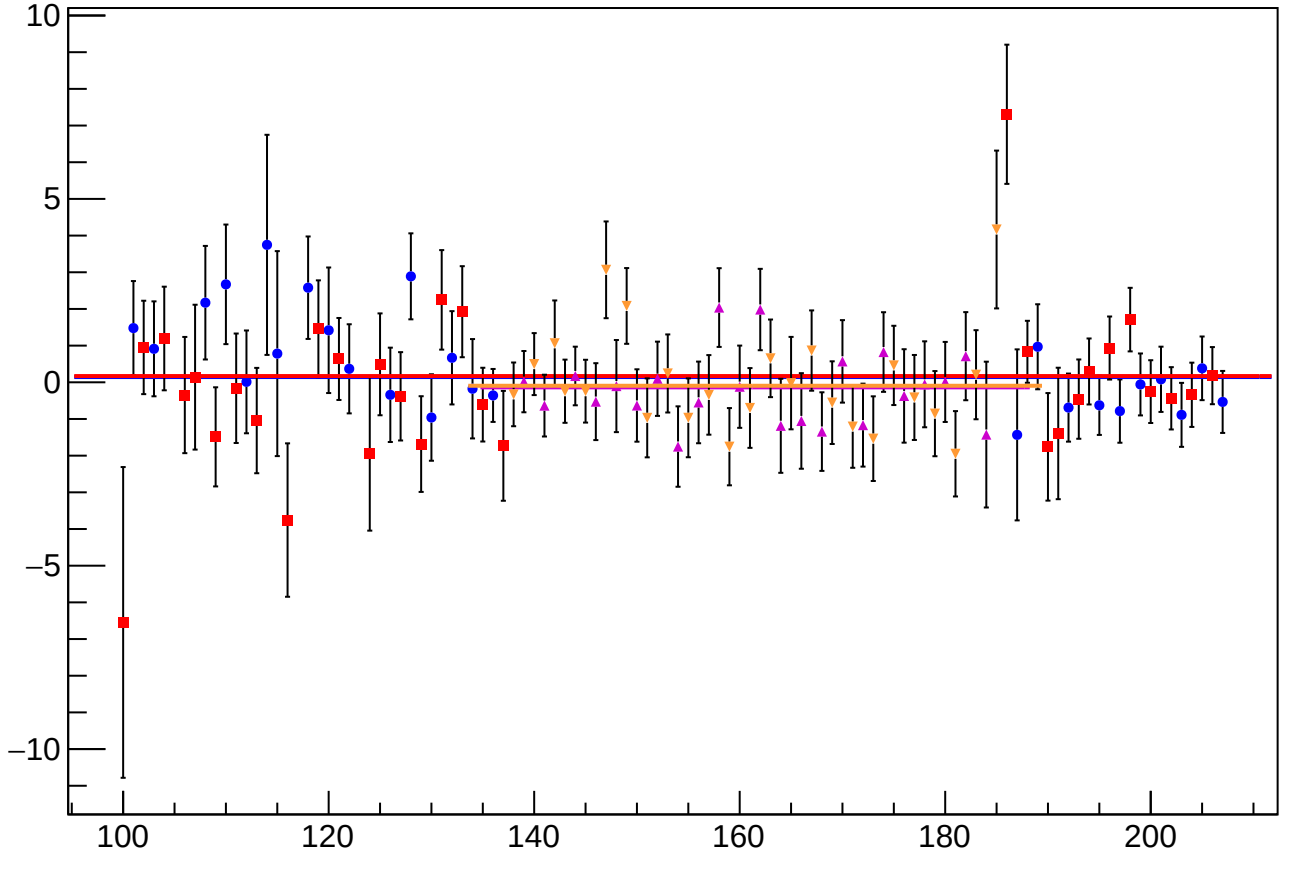
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6459.589+/-0.851 χ^2/NDF: 4078786.0/56

In: 6557.950+/-0.823 χ^2/NDF:2346698.2/48

Out: 6598.880+/-0.801 χ^2/NDF:2803116.9/55

All: 6578.963+/-0.574 χ^2/NDF: 5151085.7/10



Right In: 0.143+/-0.218 χ^2/NDF: 23.9/25

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

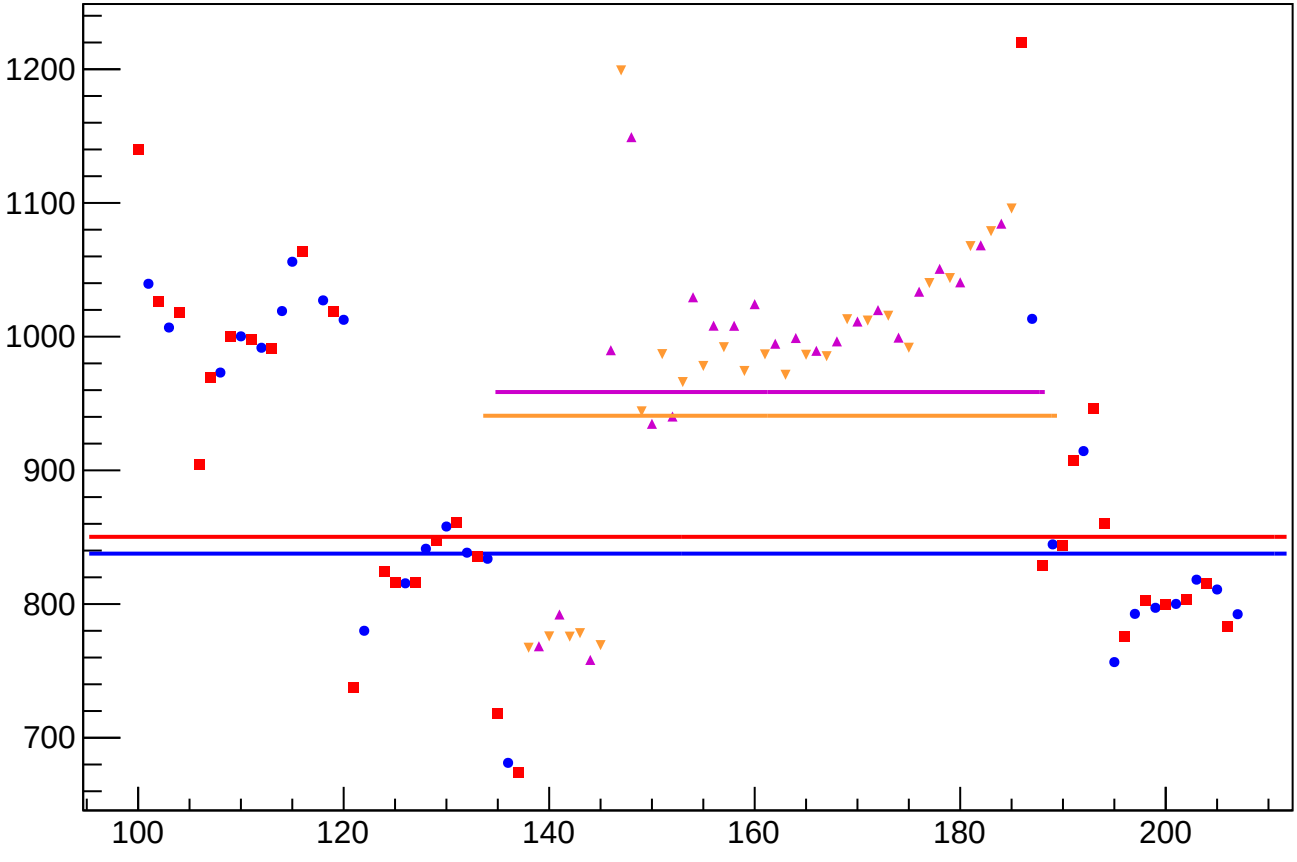
Right: 0.157+/-0.151 χ^2/NDF: 66.9/56

In: 0.007+/-0.157 χ^2/NDF:41.2/48

Out: 0.041+/-0.151 χ^2/NDF:71.1/55

All: 0.025+/-0.109 χ^2/NDF: 112.3/104

diff_bpm_4aY_4acY_dd_rms vs Slug, Sign Corrected



Right In: 837.724+/-0.154 χ^2/NDF: 387497.7/25

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

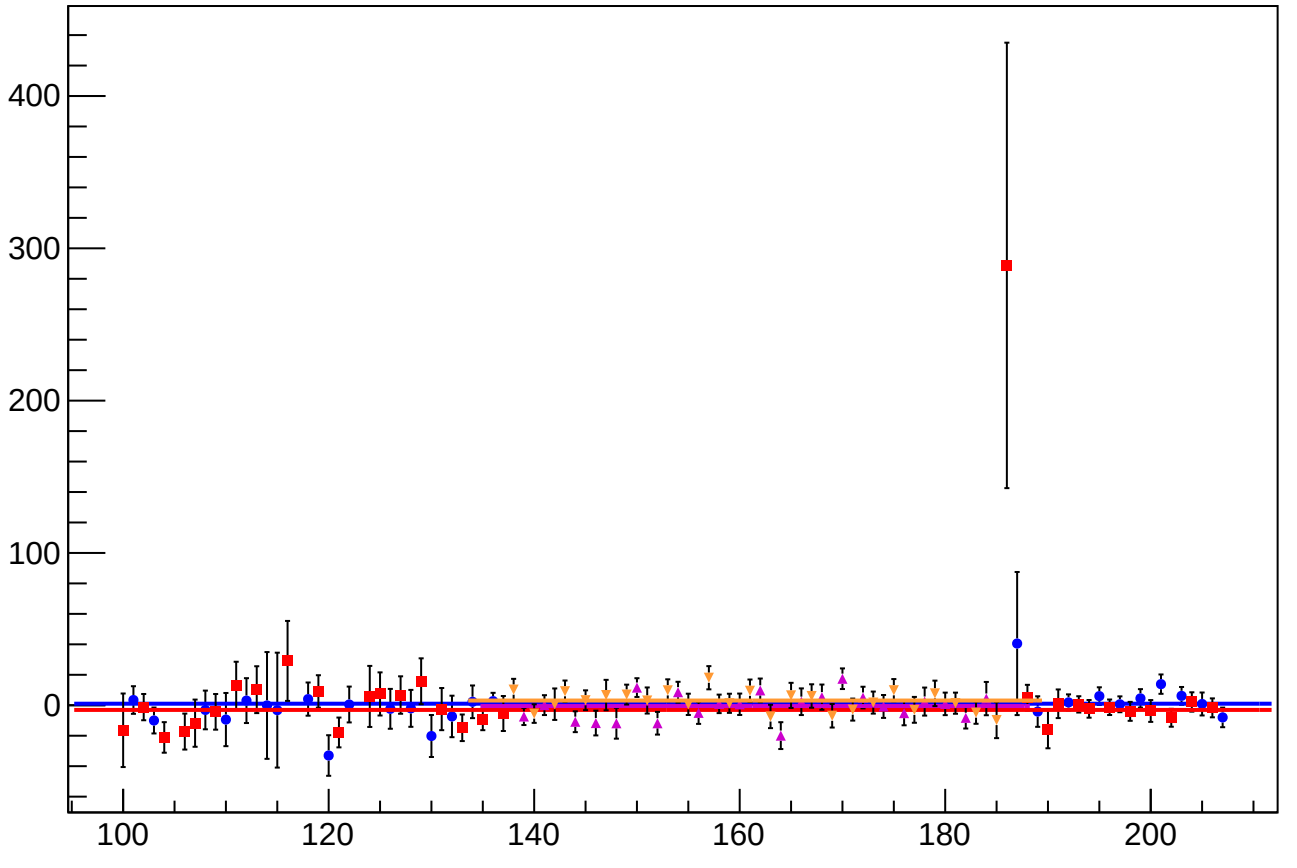
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 844.206+/-0.107 χ^2/NDF: 826290.8/56

In: 896.084+/-0.111 χ^2/NDF:1141795.6/48

Out: 894.594+/-0.107 χ^2/NDF:1184729.8/55

All: 895.310+/-0.077 χ^2/NDF: 2326619.5/104



Right In: 1.018+/-1.656 χ^2/NDF: 20.7/25

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

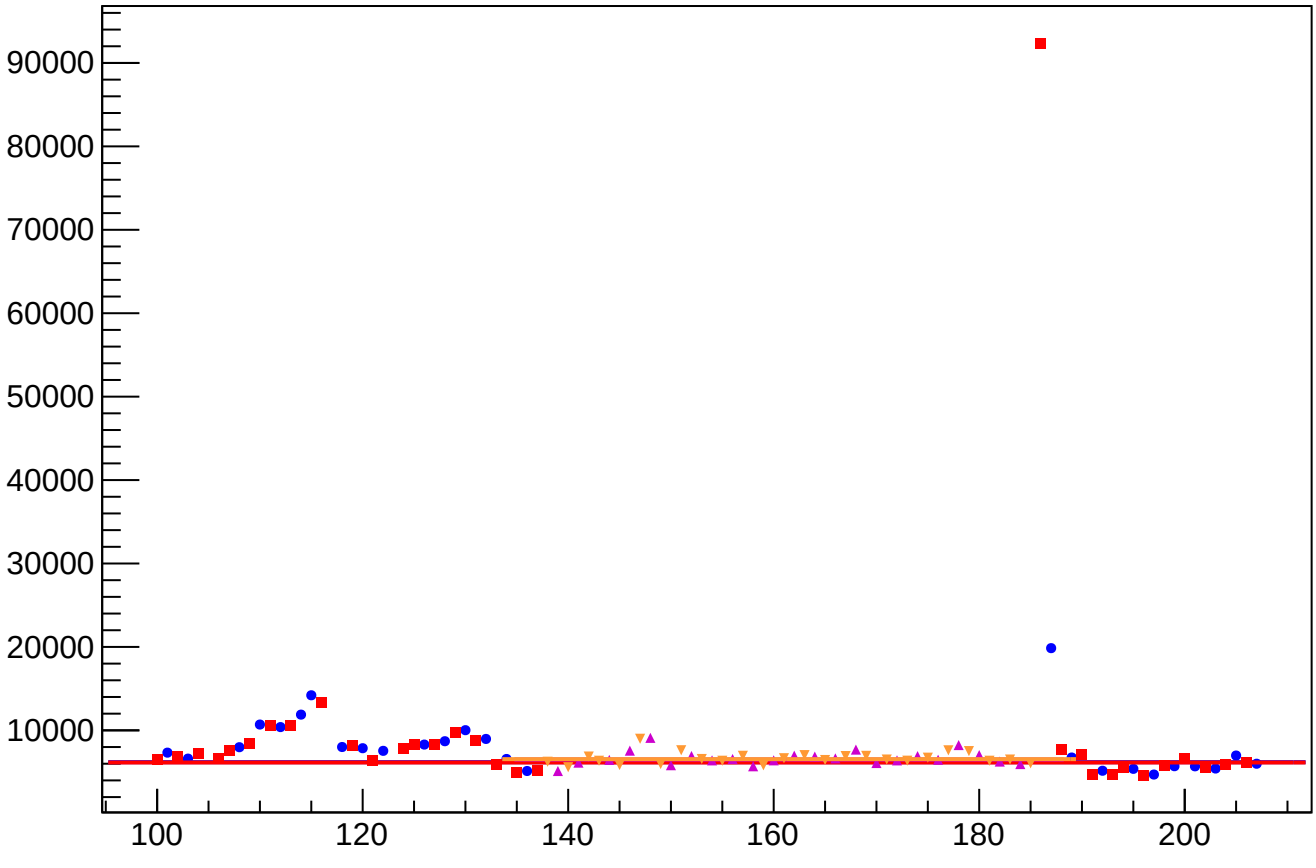
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -1.110+/-1.145 χ^2/NDF: 50.0/56

In: 0.191+/-1.126 χ^2/NDF:53.2/48

Out: 0.189+/-1.090 χ^2/NDF:52.6/55

All: 0.190+/-0.783 χ^2/NDF: 105.8/104



Right In: 6185.549+/-1.171 χ^2/NDF: 1619411.9/25

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

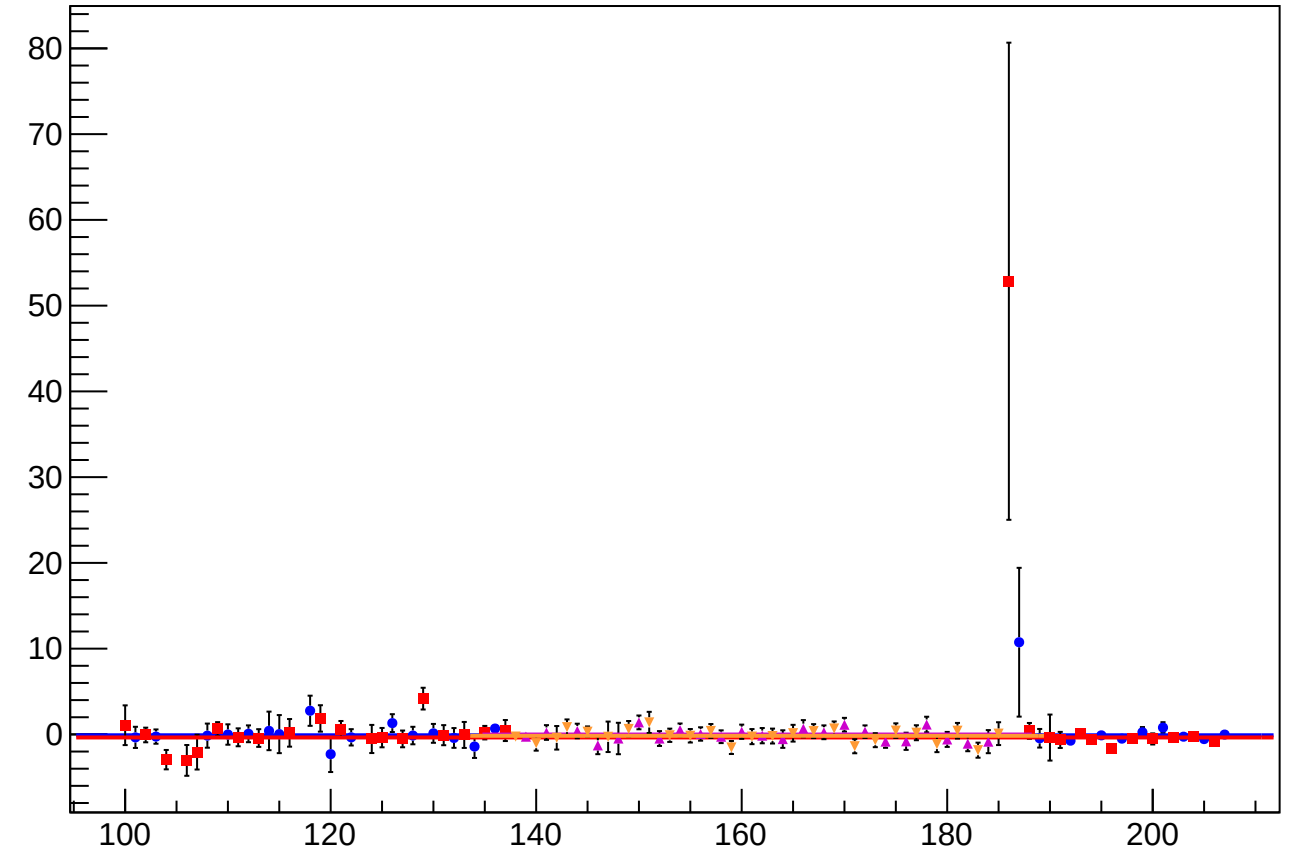
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6164.611+/-0.810 χ^2/NDF: 3917271.0/56

In: 6357.384+/-0.796 χ^2/NDF:2174965.8/48

Out: 6358.276+/-0.771 χ^2/NDF:2731664.4/55

All: 6357.845+/-0.554 χ^2/NDF: 4906630.8/10



Right In: -0.103+/-0.151 χ^2/NDF: 15.8/25

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

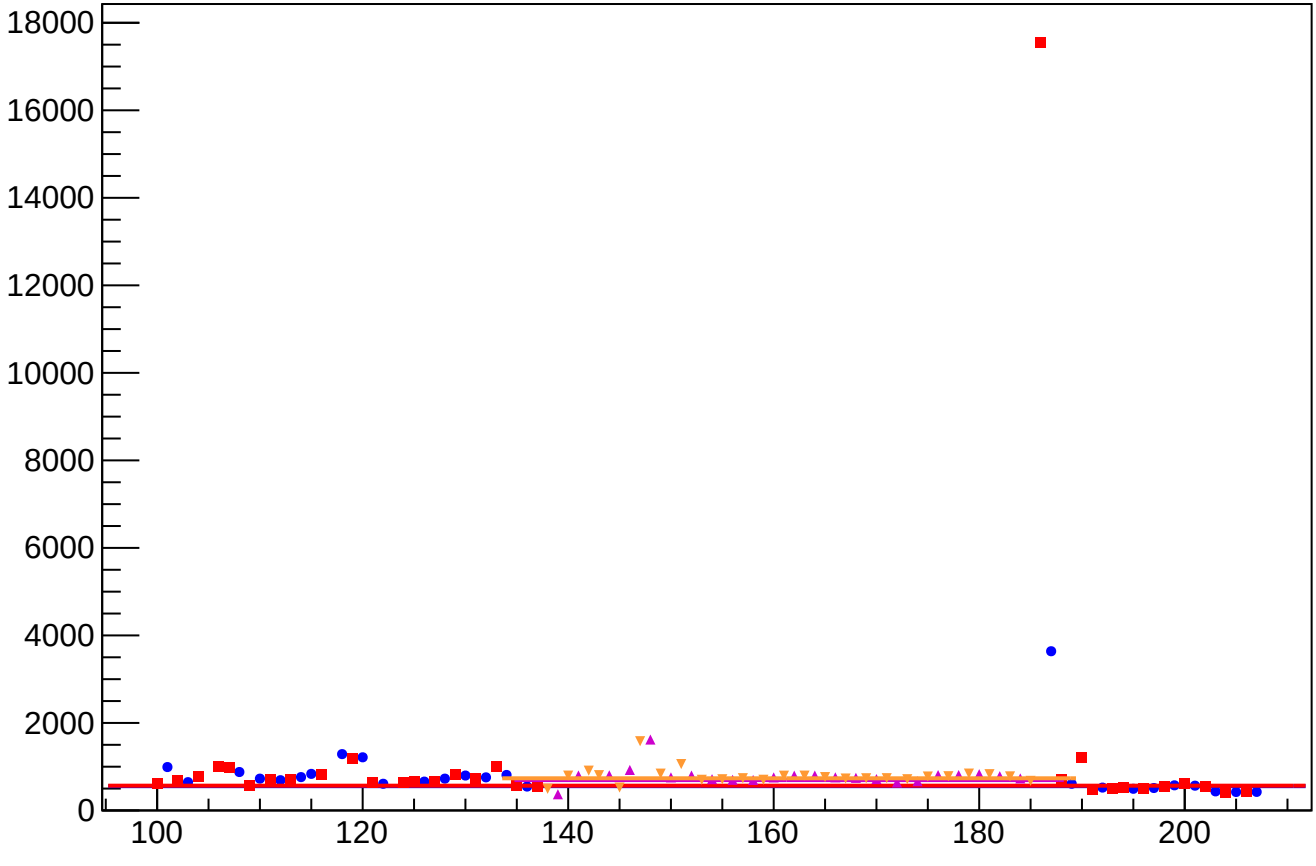
Right: -0.232+/-0.106 χ^2/NDF: 56.3/56

In: -0.065+/-0.113 χ^2/NDF:31.2/48

Out: -0.274+/-0.112 χ^2/NDF:58.8/55

All: -0.170+/-0.080 χ^2/NDF: 91.7/104

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 555.081+/-0.107 χ^2/NDF: 2147592.0/25

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

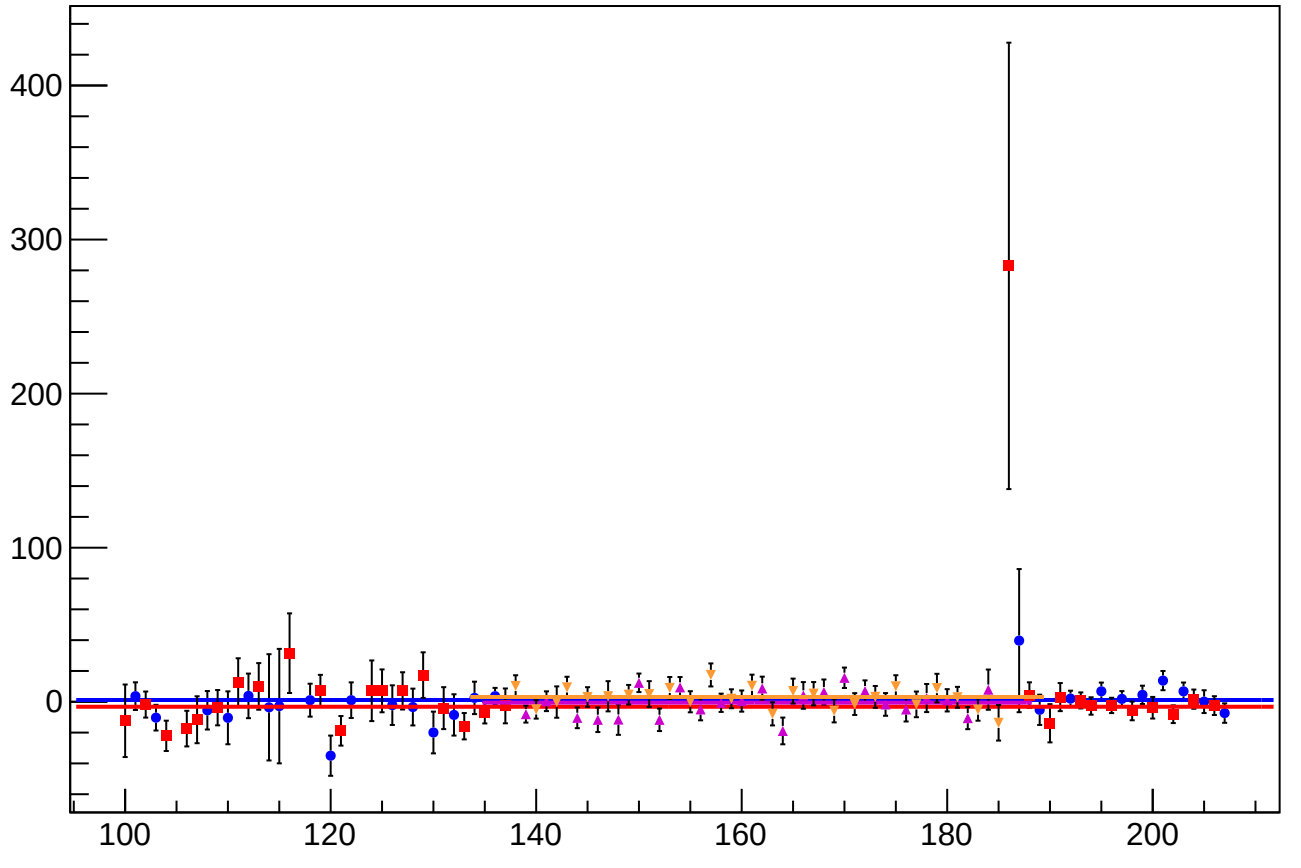
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 560.688+/-0.075 χ^2/NDF: 4687575.4/56

In: 616.677+/-0.080 χ^2/NDF:5126529.3/48

Out: 638.228+/-0.080 χ^2/NDF:4977226.7/55

All: 627.457+/-0.056 χ^2/NDF: 10140458.9/10



Right In: 1.155+/-1.623 χ^2/NDF: 23.2/25

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

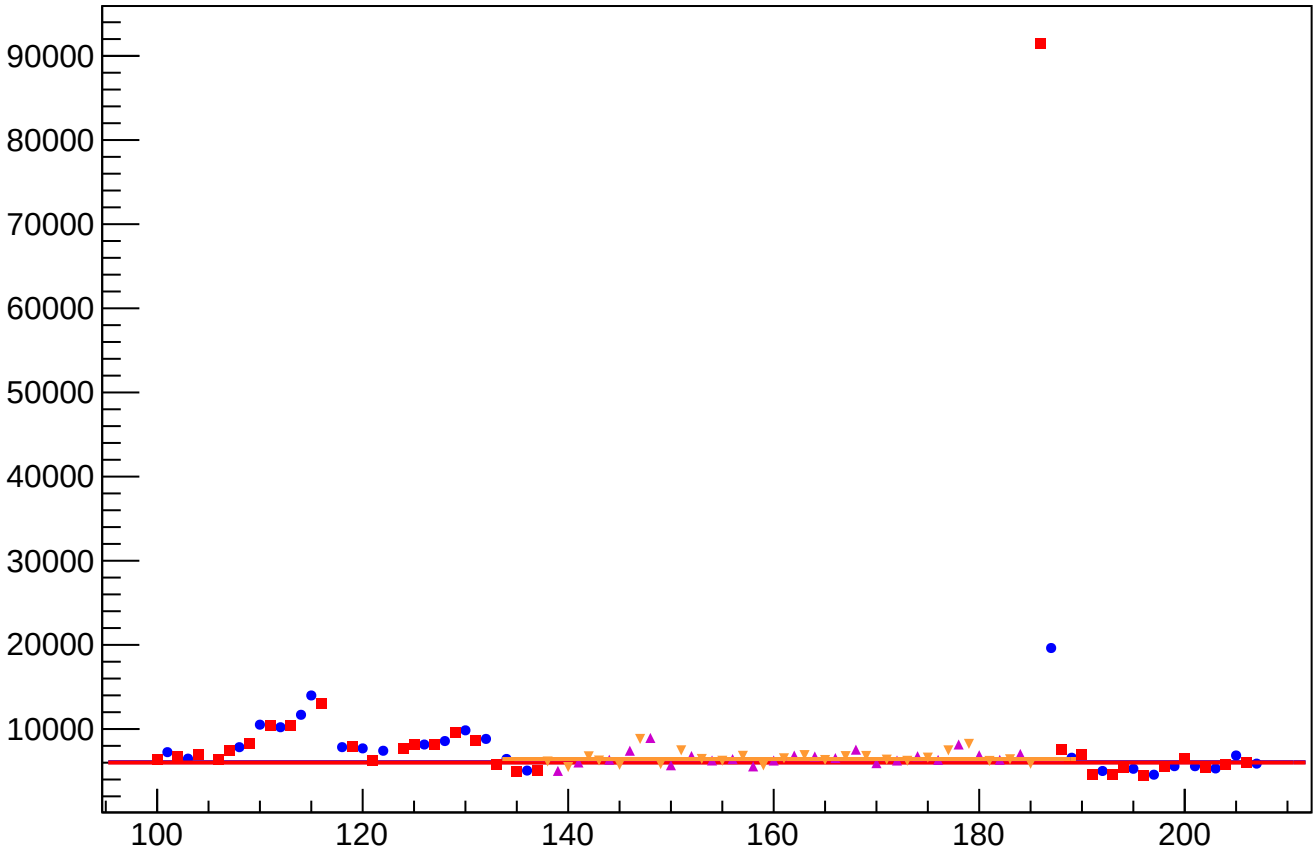
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -1.132+/-1.122 χ^2/NDF: 54.1/56

In: 0.242+/-1.107 χ^2/NDF:57.4/48

Out: 0.103+/-1.070 χ^2/NDF:54.5/55

All: 0.170+/-0.769 χ^2/NDF: 111.9/104



Right In: 6059.401+/-1.148 χ^2/NDF: 1647393.0/25

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

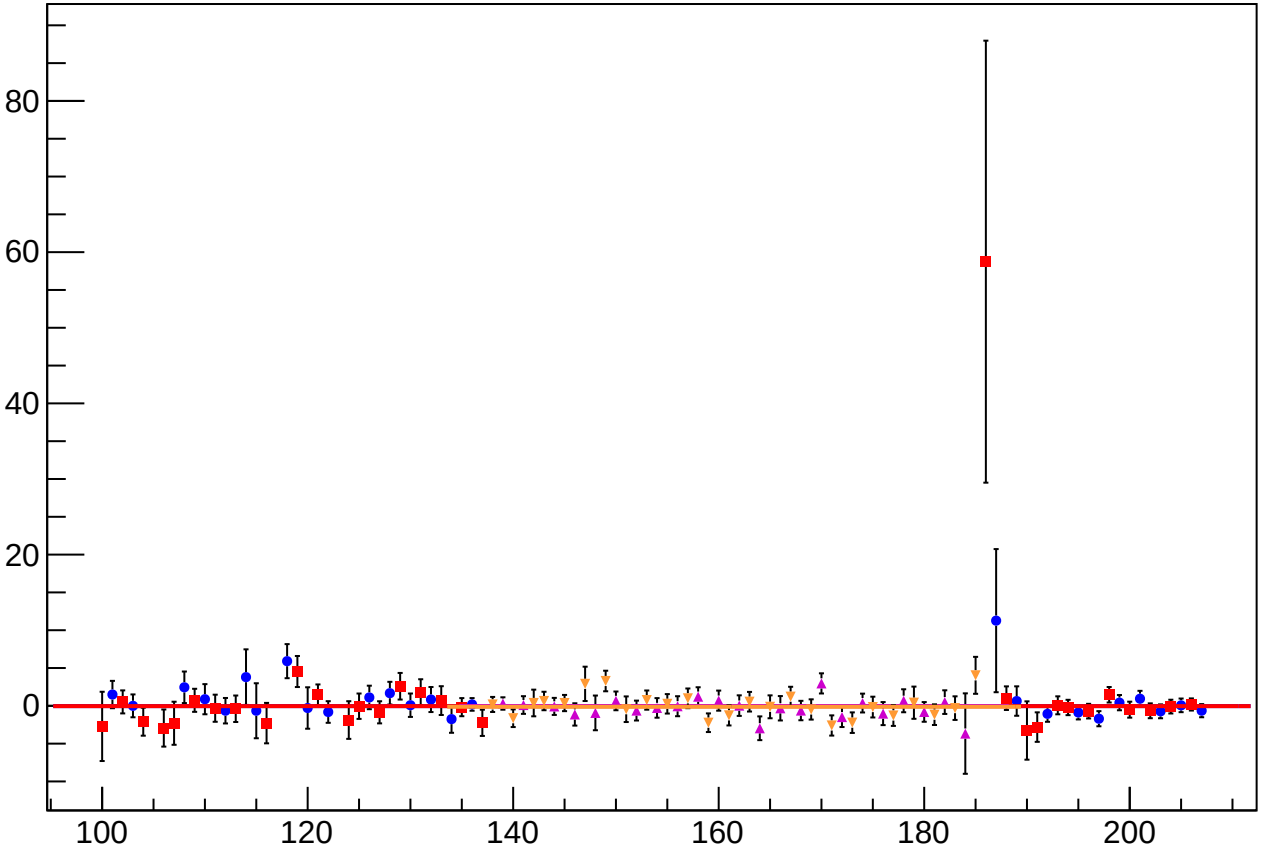
Right: 6036.505+/-0.794 χ^2/NDF: 3966661.3/56

In: 6244.526+/-0.782 χ^2/NDF:2221063.8/48

Out: 6236.110+/-0.757 χ^2/NDF:2812594.9/55

All: 6240.177+/-0.544 χ^2/NDF: 5033718.5/10

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: -0.036+/-0.259 χ^2/NDF: 22.2/25

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

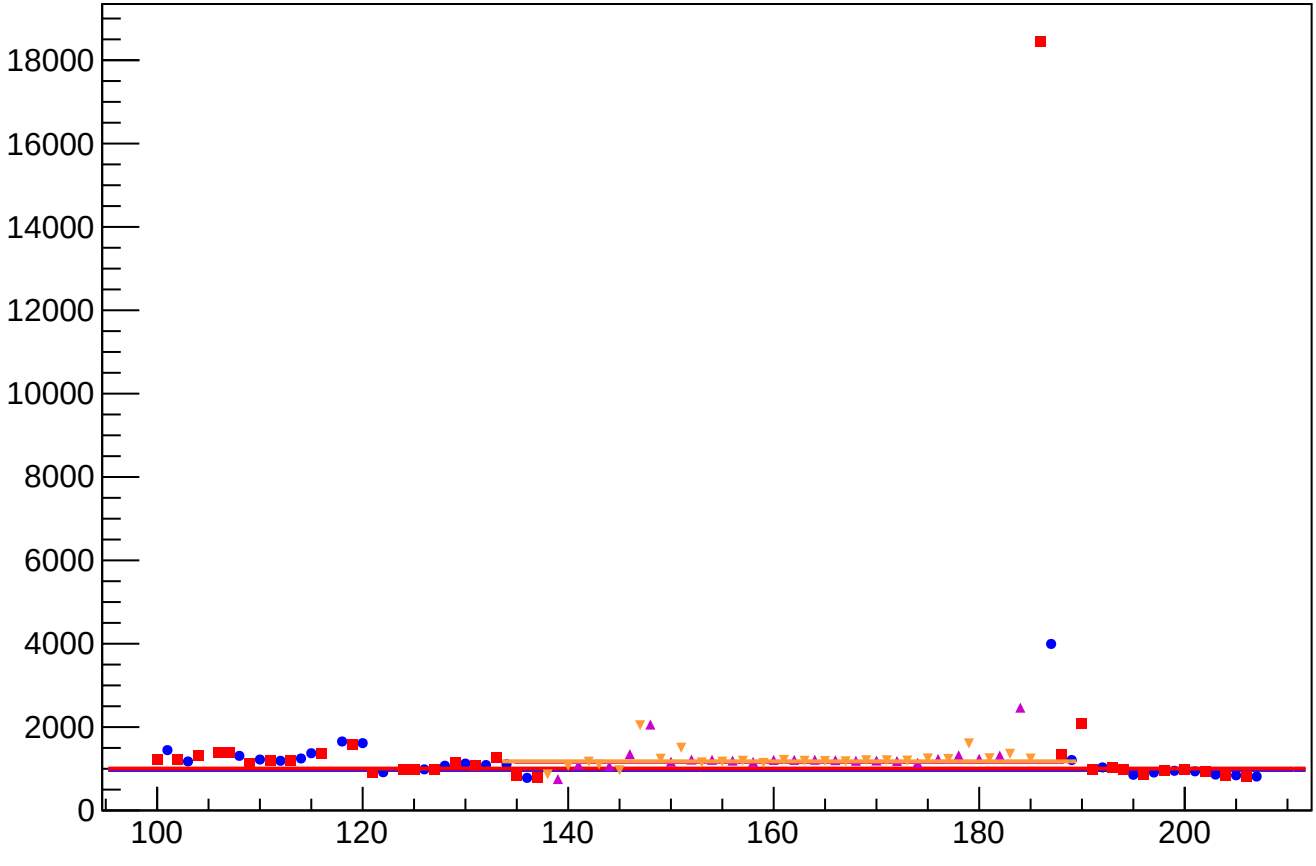
Right: -0.039+/-0.182 χ^2/NDF: 49.7/56

In: -0.033+/-0.190 χ^2/NDF:36.7/48

Out: -0.079+/-0.187 χ^2/NDF:54.5/55

All: -0.056+/-0.133 χ^2/NDF: 91.2/104

diff_bpm_4aY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 973.833+/-0.183 χ^2/NDF: 1196776.8/25

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

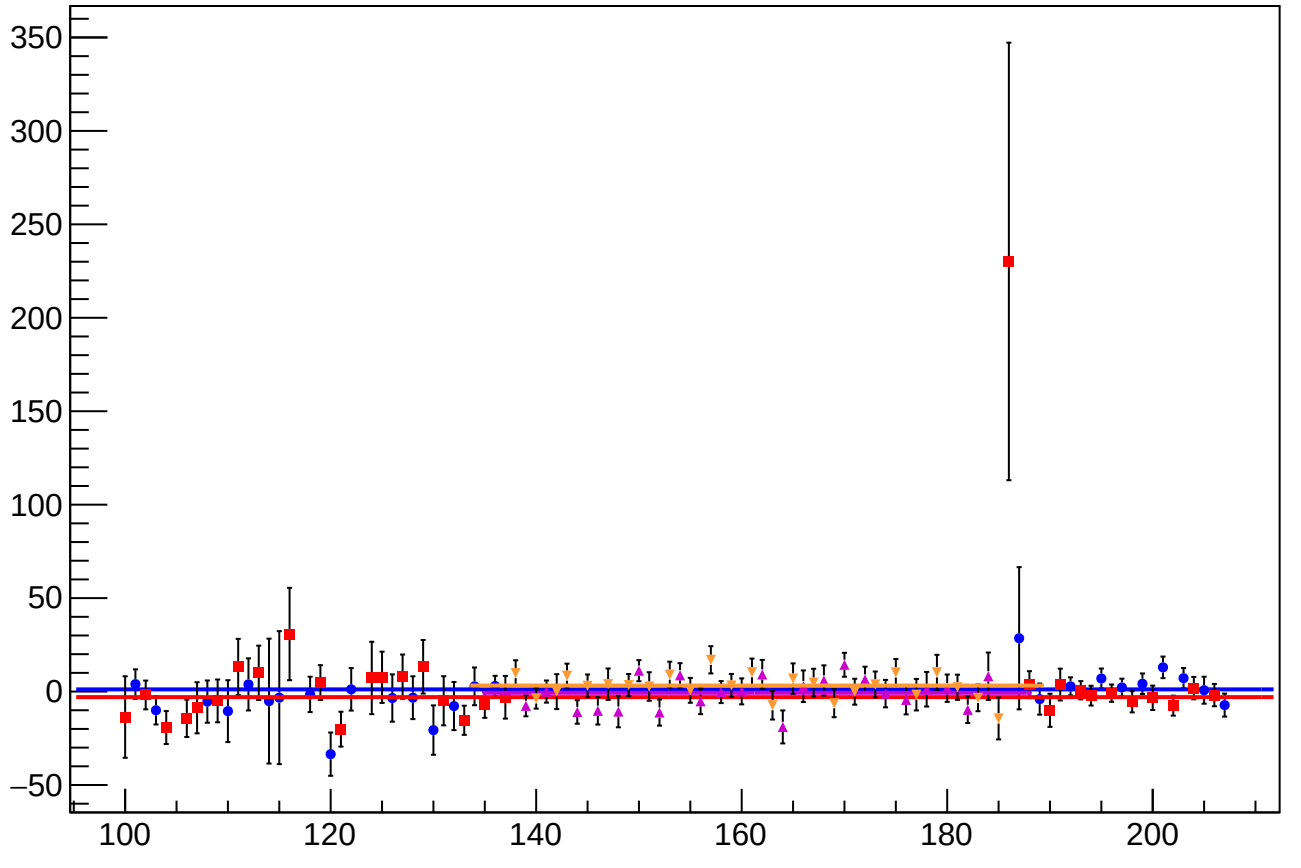
Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

Right: 989.050+/-0.129 χ^2/NDF: 3003119.2/56

In: 1061.839+/-0.134 χ^2/NDF:2748357.4/48

Out: 1085.629+/-0.132 χ^2/NDF:3021575.5/55

All: 1073.877+/-0.094 χ^2/NDF: 5785866.7/10



Right In: 1.165+/-1.529 χ^2/NDF: 25.6/25

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

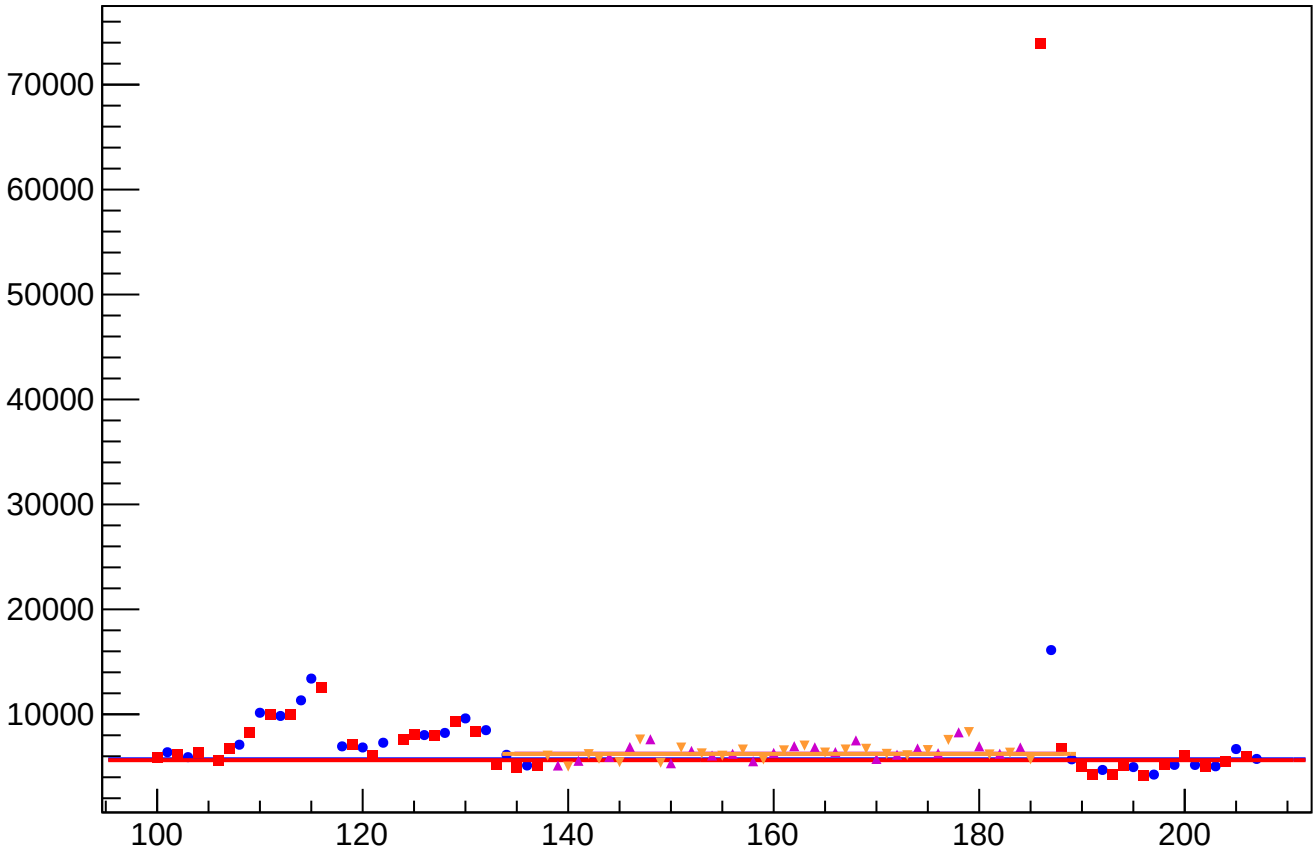
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -1.015+/-1.053 χ^2/NDF: 56.9/56

In: 0.216+/-1.061 χ^2/NDF:58.7/48

Out: 0.174+/-1.018 χ^2/NDF:54.6/55

All: 0.194+/-0.735 χ^2/NDF: 113.4/104



Right In: 5711.790+/-1.081 χ^2/NDF: 1635058.6/25

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

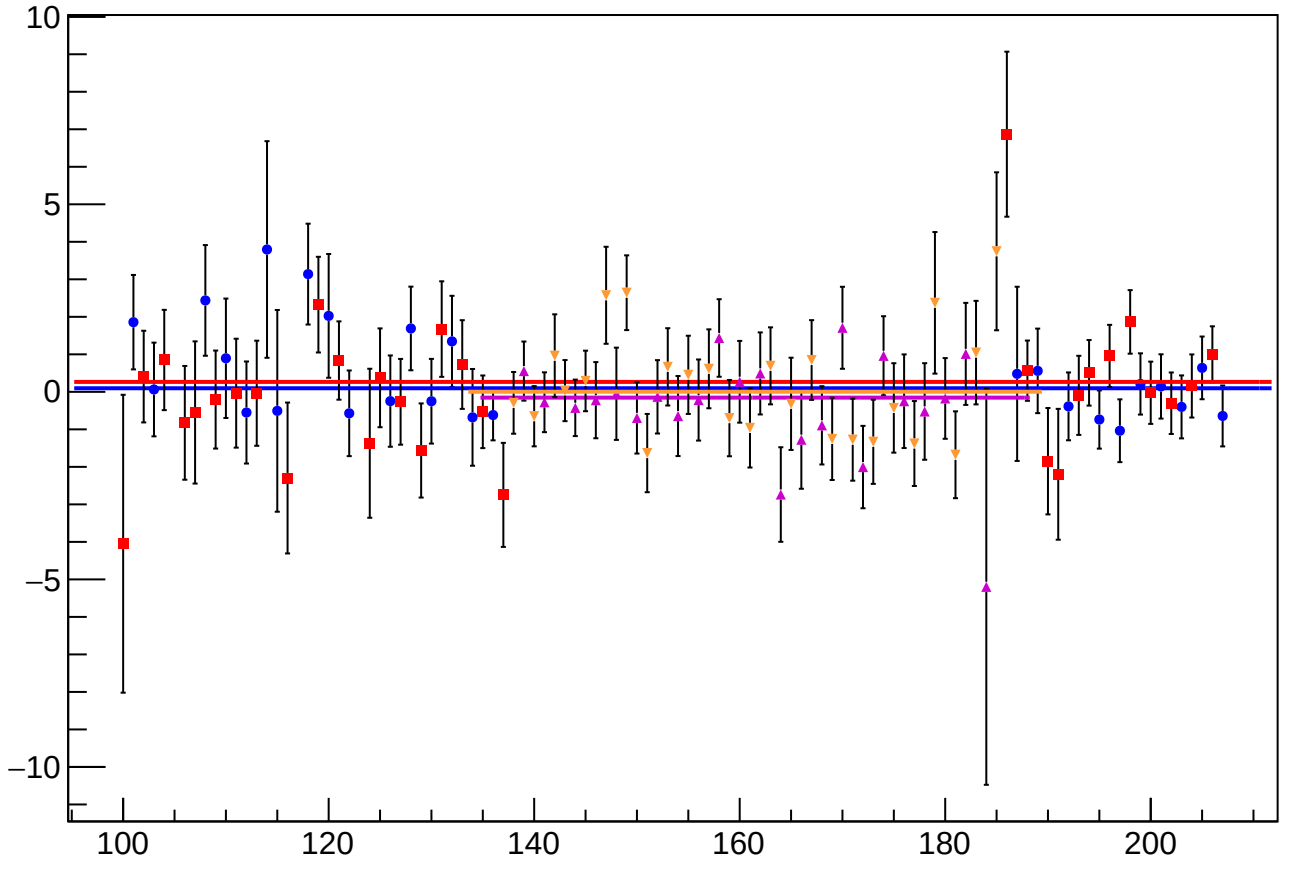
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5667.703+/-0.744 χ^2/NDF: 3977474.0/56

In: 5989.129+/-0.750 χ^2/NDF:2246995.9/48

Out: 5932.836+/-0.720 χ^2/NDF:2983994.3/55

All: 5959.830+/-0.520 χ^2/NDF: 5233920.1/10



Right In: 0.096+/-0.209 χ^2/NDF: 23.3/25

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

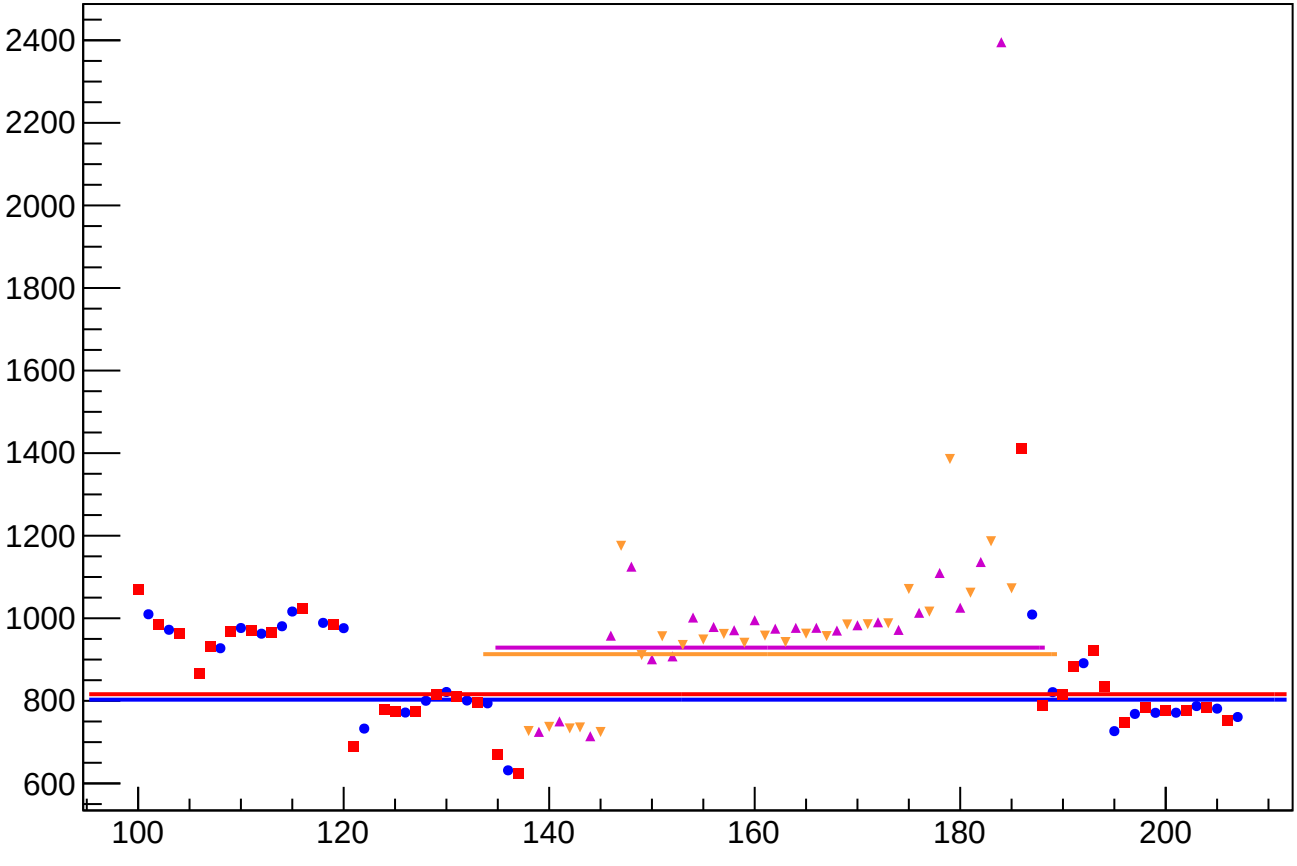
Right: 0.183+/-0.146 χ^2/NDF: 59.7/56

In: -0.022+/-0.152 χ^2/NDF:42.4/48

Out: 0.140+/-0.147 χ^2/NDF:68.5/55

All: 0.062+/-0.105 χ^2/NDF: 111.5/104

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 802.873+/-0.148 χ^2/NDF: 446322.7/25

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

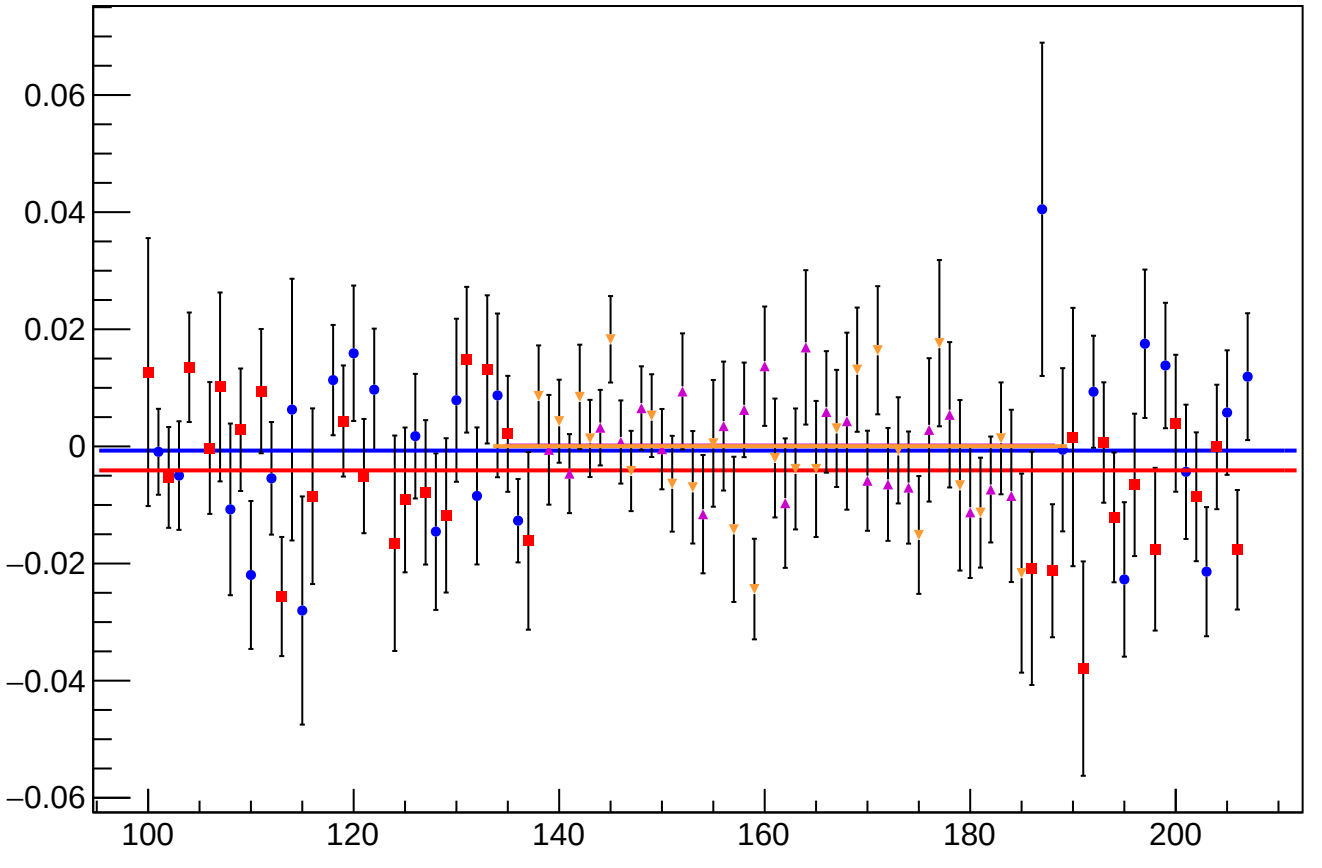
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 809.666+/-0.103 χ^2/NDF: 995608.1/56

In: 862.393+/-0.107 χ^2/NDF:1558497.8/48

Out: 862.454+/-0.104 χ^2/NDF:1653053.5/55

All: 862.425+/-0.075 χ^2/NDF: 3211551.5/104



Right In: -0.001+/-0.002 χ^2/NDF: 31.0/25

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.004+/-0.002 χ^2/NDF: 29.4/30

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

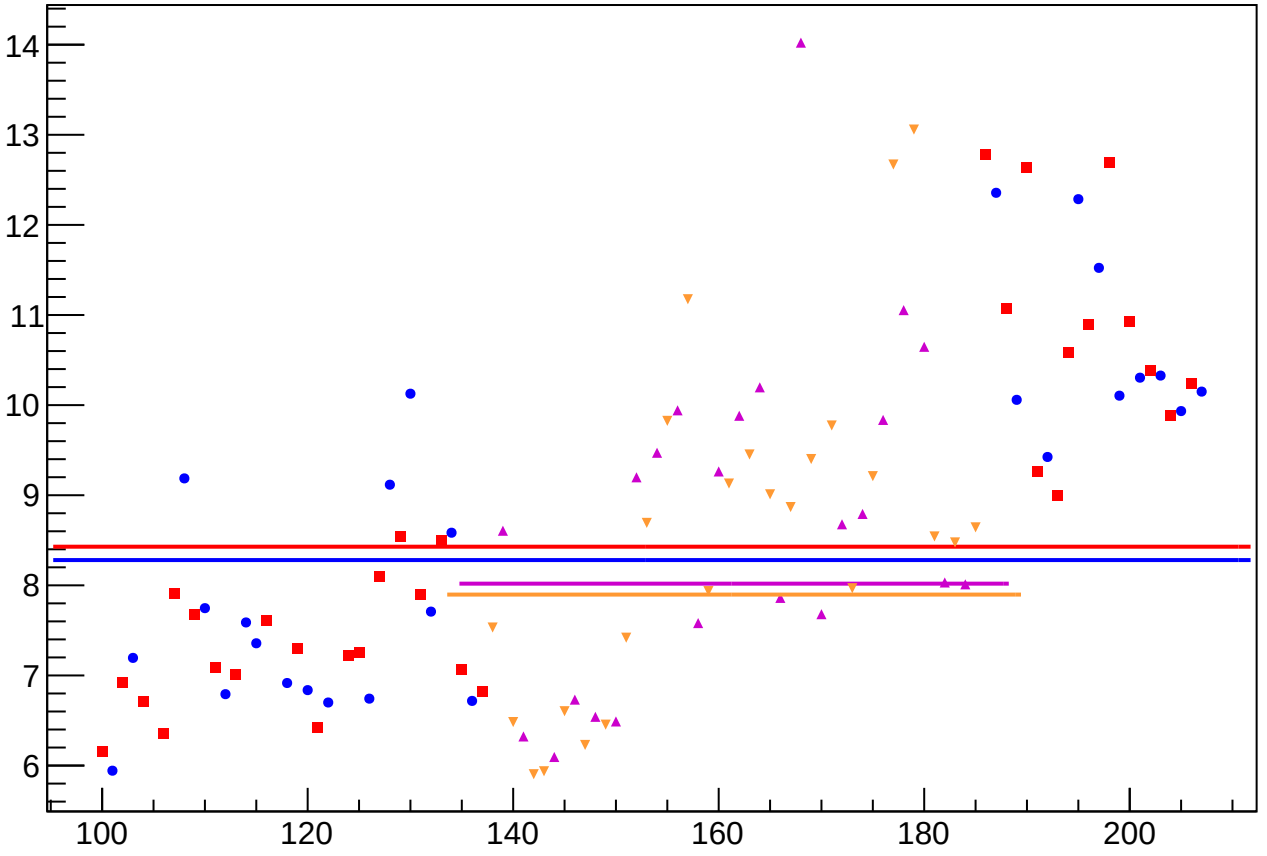
Right: -0.002+/-0.002 χ^2/NDF: 61.6/56

In: -0.000+/-0.001 χ^2/NDF:43.9/48

Out: -0.002+/-0.001 χ^2/NDF:62.7/55

All: -0.001+/-0.001 χ^2/NDF: 107.1/104

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.280+/-0.002 χ^2/NDF: 1316748.9/25

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

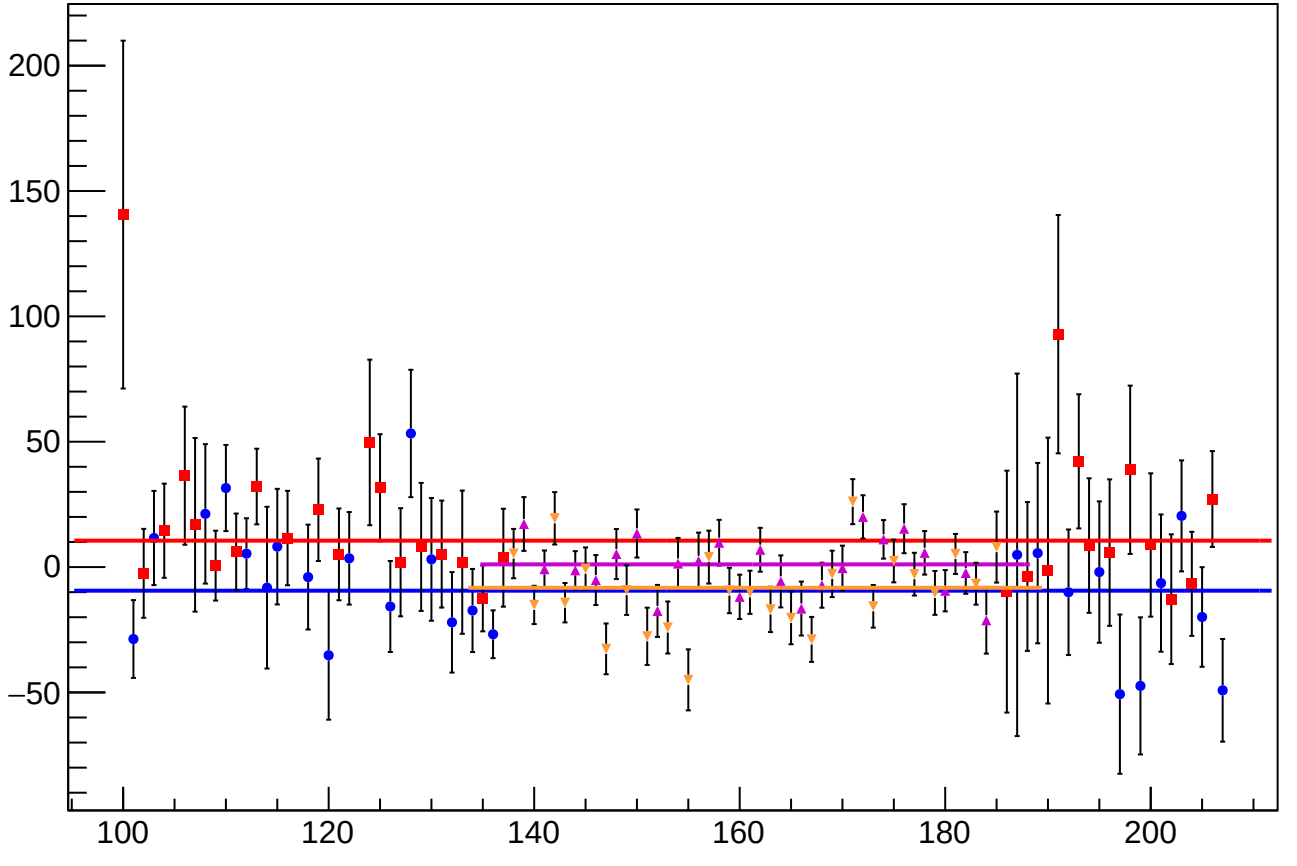
Right: 8.357+/-0.001 χ^2/NDF: 2718620.6/56

In: 8.132+/-0.001 χ^2/NDF:2788584.2/48

Out: 8.125+/-0.001 χ^2/NDF:3059187.7/55

All: 8.128+/-0.001 χ^2/NDF: 5847795.5/104

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -9.417+/-3.950 χ^2/NDF: 33.1/25

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

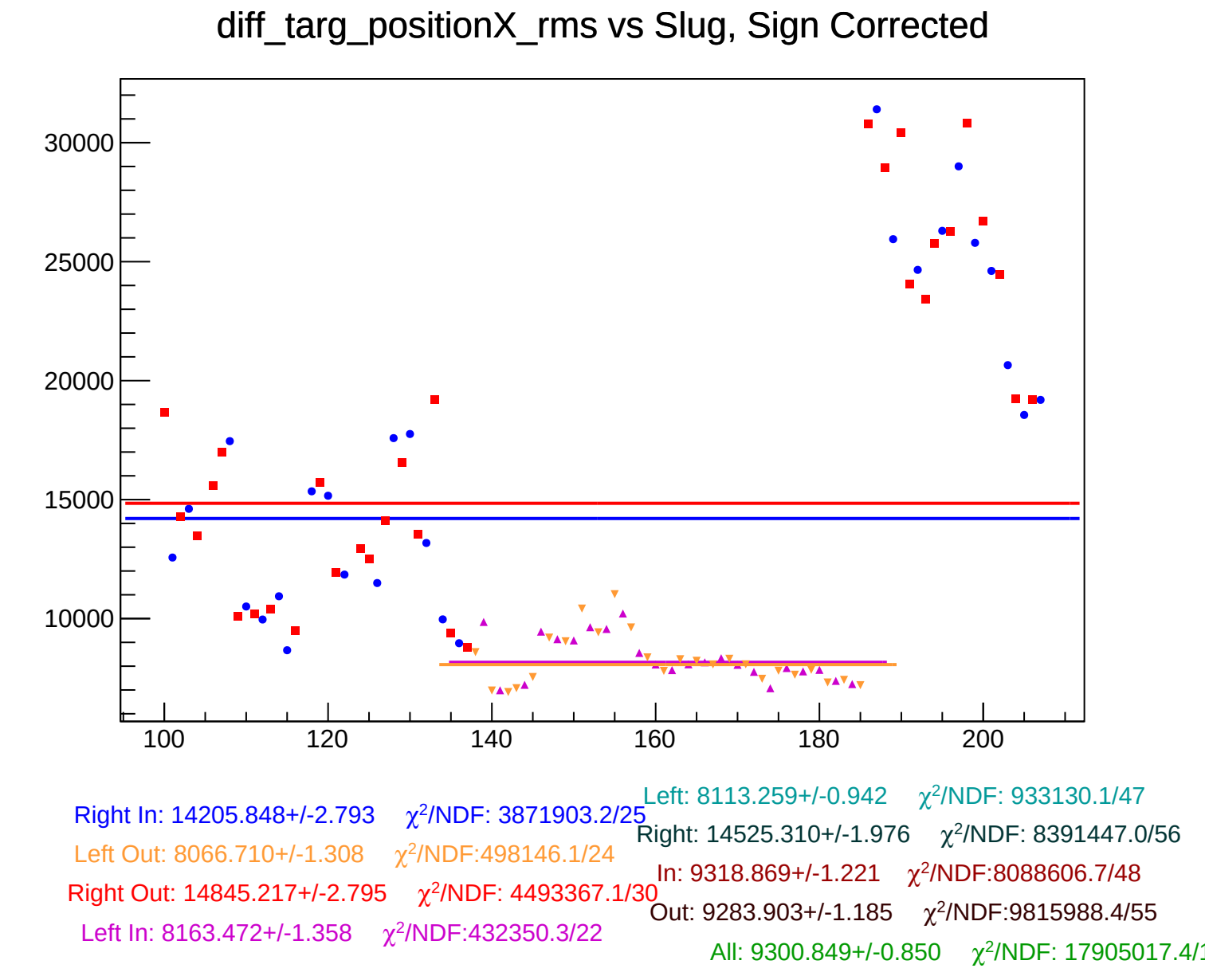
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: 0.554+/-2.794 χ^2/NDF: 67.7/56

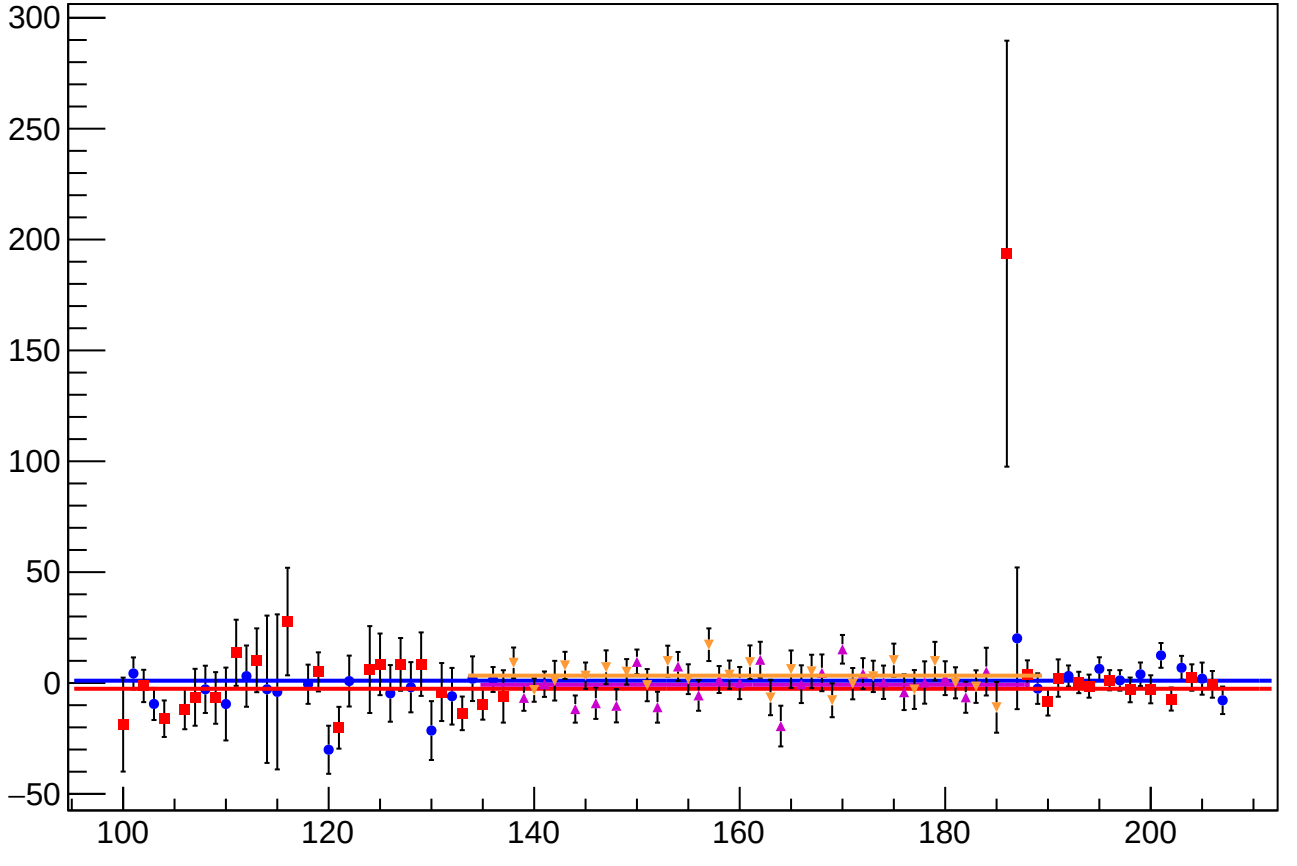
In: -0.934+/-1.727 χ^2/NDF:67.7/48

Out: -4.881+/-1.675 χ^2/NDF:102.6/55

All: -2.968+/-1.203 χ^2/NDF: 172.9/104


diff_targ_positionX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14205.848+/-2.793 χ²/NDF: 3871903.2/25
Left Out: 8066.710+/-1.308 χ²/NDF:498146.1/24
Right Out: 14845.217+/-2.795 χ²/NDF: 4493367.1/30
Left In: 8163.472+/-1.358 χ²/NDF:432350.3/22
Left: 8113.259+/-0.942 χ²/NDF: 933130.1/47
Right: 14525.310+/-1.976 χ²/NDF: 8391447.0/56
In: 9318.869+/-1.221 χ²/NDF:8088606.7/48
Out: 9283.903+/-1.185 χ²/NDF:9815988.4/55
All: 9300.849+/-0.850 χ²/NDF: 17905017.4/

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.043+/-1.490 χ^2/NDF: 24.2/25

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

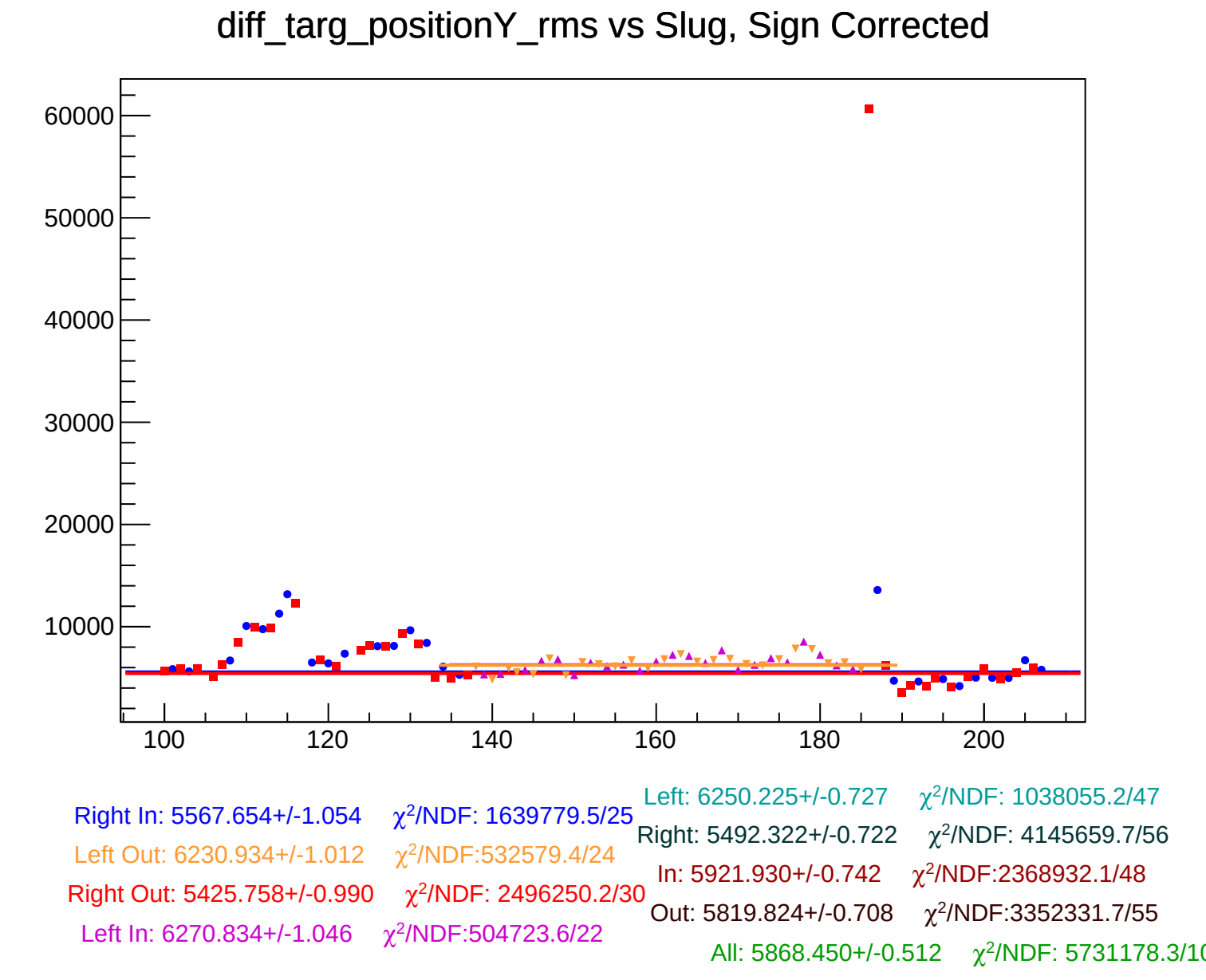
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -0.889+/-1.020 χ^2/NDF: 54.3/56

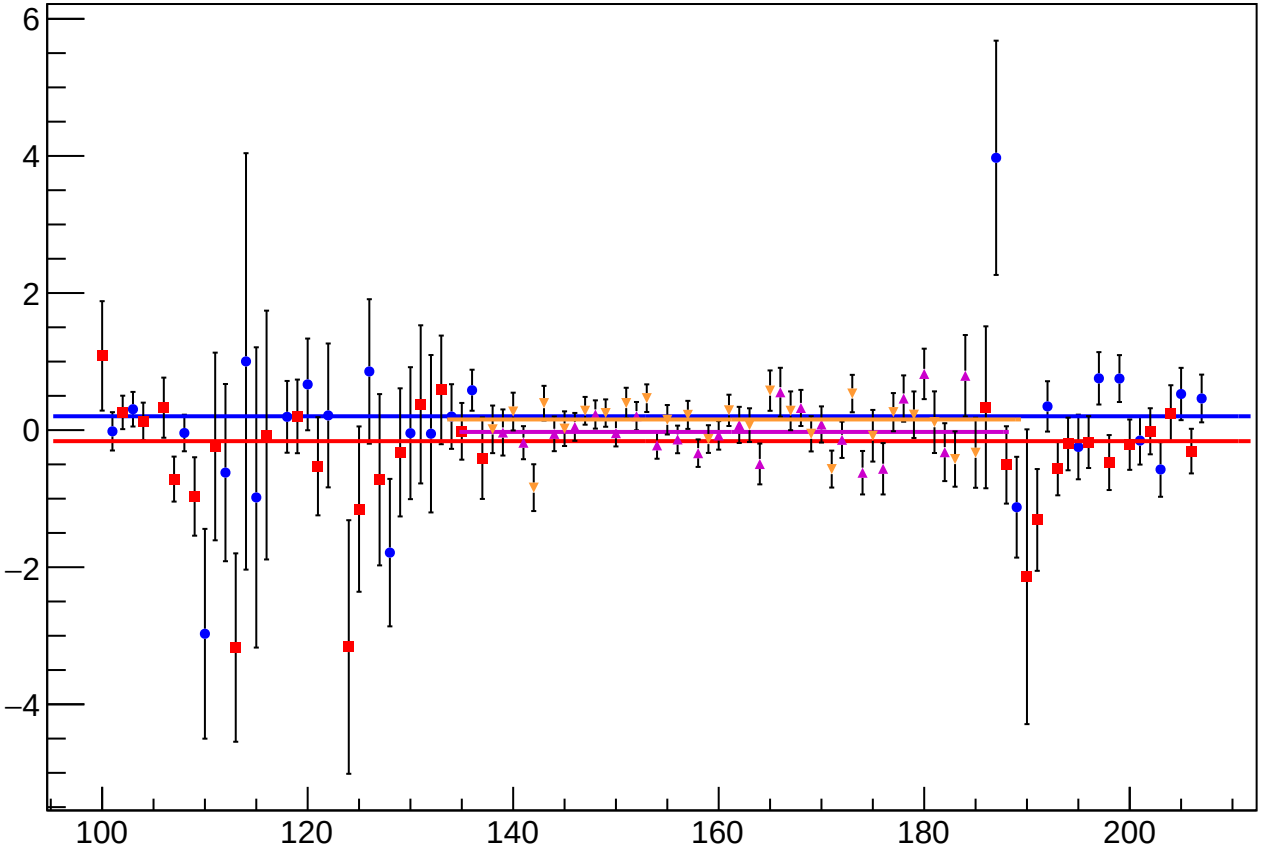
In: 0.116+/-1.050 χ^2/NDF:54.4/48

Out: 0.304+/-1.001 χ^2/NDF:52.6/55

All: 0.215+/-0.724 χ^2/NDF: 107.0/104


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5567.654+/-1.054 χ²/NDF: 1639779.5/25
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5425.758+/-0.990 χ²/NDF: 2496250.2/30
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5492.322+/-0.722 χ²/NDF: 4145659.7/56
In: 5921.930+/-0.742 χ²/NDF:2368932.1/48
Out: 5819.824+/-0.708 χ²/NDF:3352331.7/55
All: 5868.450+/-0.512 χ²/NDF: 5731178.3/10

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.202+/-0.088 χ^2/NDF: 32.7/25

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

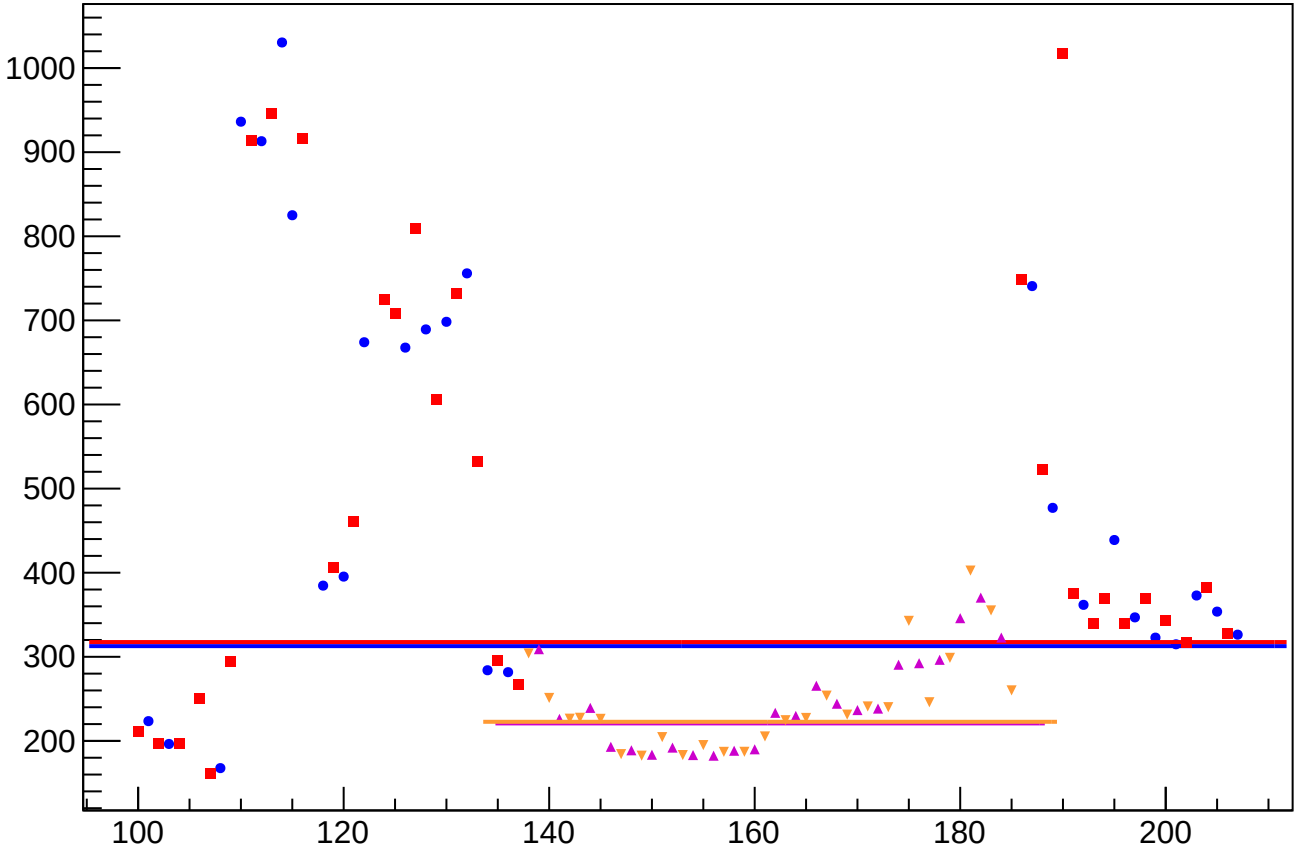
Right: 0.017+/-0.062 χ^2/NDF: 71.2/56

In: 0.034+/-0.045 χ^2/NDF:67.4/48

Out: 0.072+/-0.044 χ^2/NDF:72.0/55

All: 0.053+/-0.032 χ^2/NDF: 139.8/104

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 312.690+/-0.062 χ^2/NDF: 4122784.1/25

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

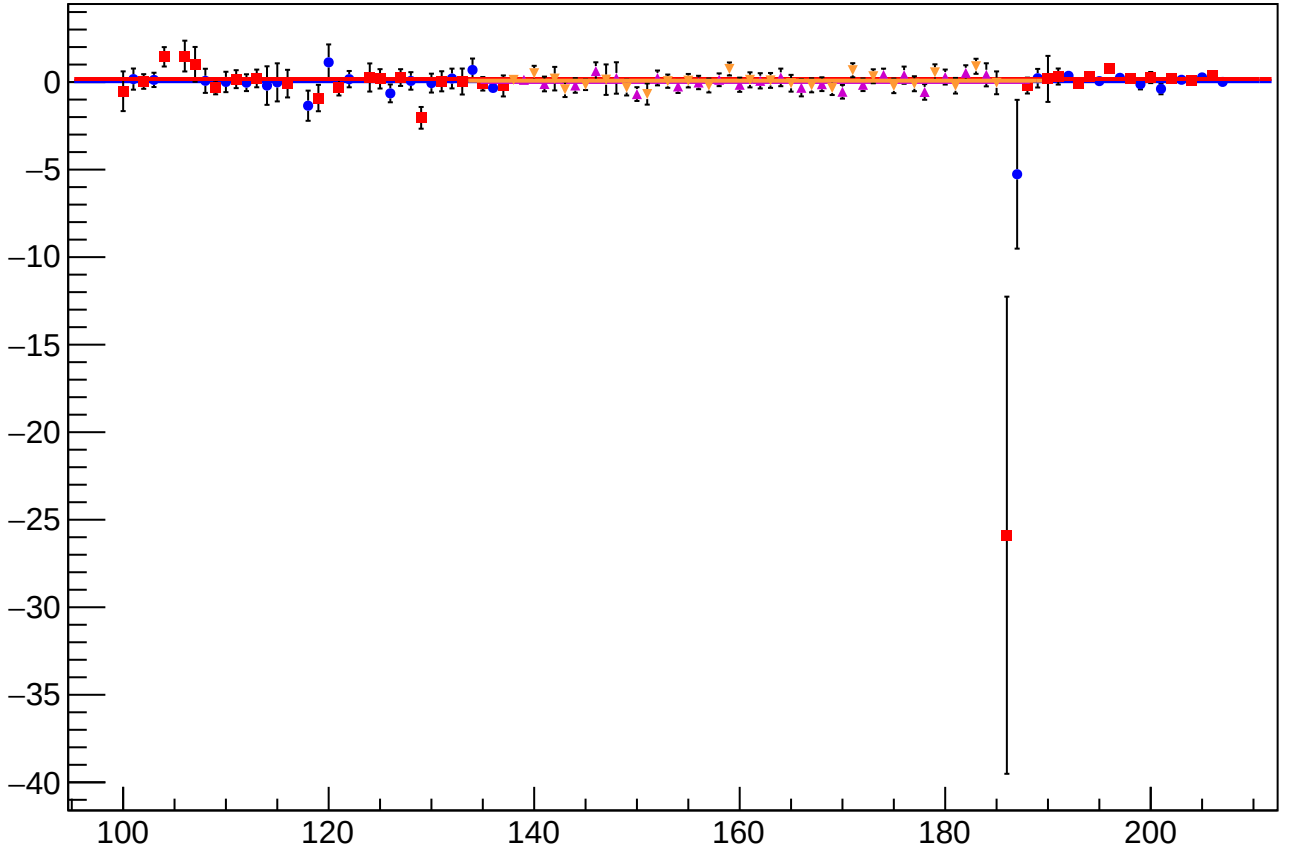
Right: 315.165+/-0.044 χ^2/NDF: 8825948.9/56

In: 245.221+/-0.032 χ^2/NDF:7193736.8/48

Out: 247.871+/-0.031 χ^2/NDF:7920987.2/55

All: 246.572+/-0.022 χ^2/NDF: 15118201.0/10

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.050+/-0.074 χ^2/NDF: 15.8/25

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

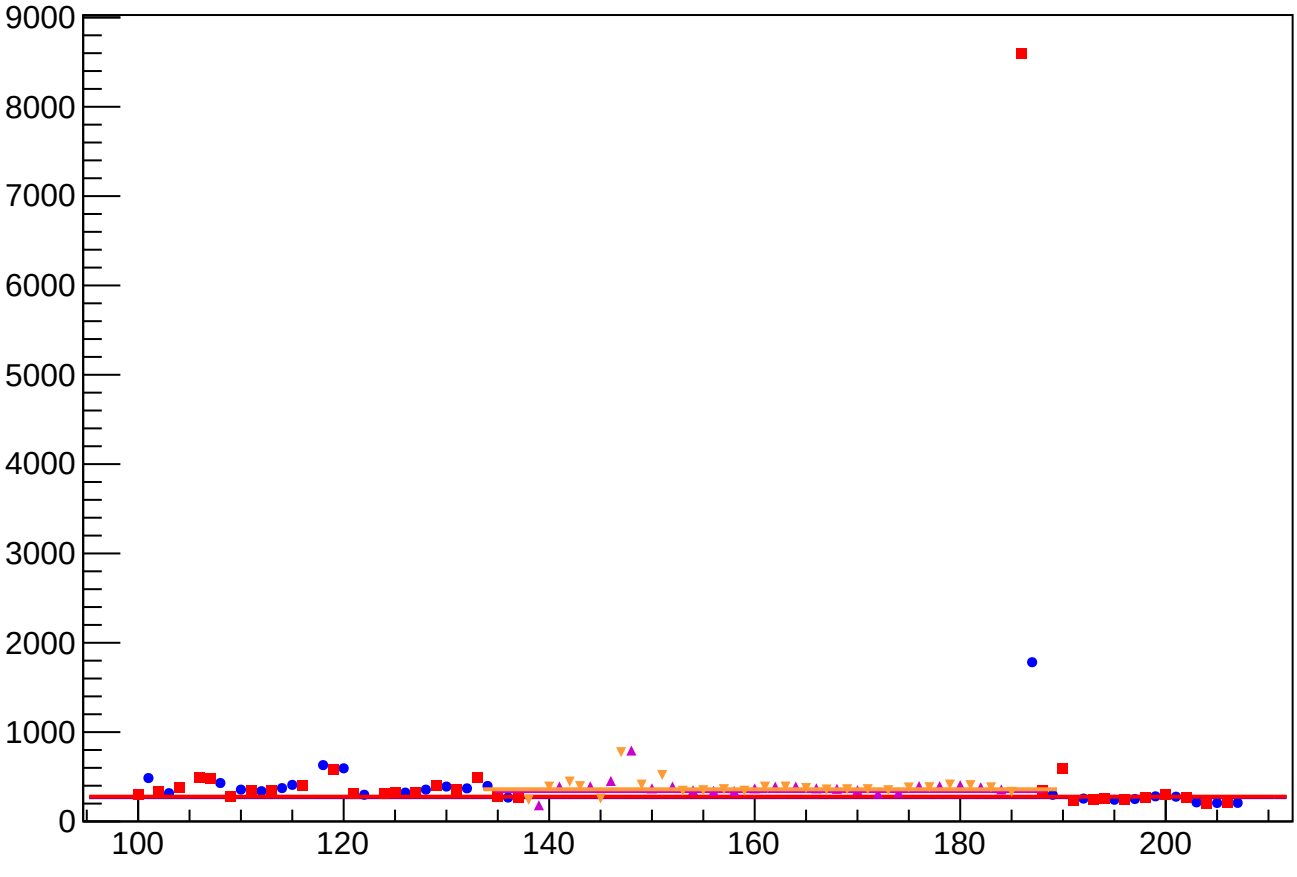
Right: 0.114+/-0.052 χ^2/NDF: 56.3/56

In: 0.032+/-0.055 χ^2/NDF:31.2/48

Out: 0.134+/-0.055 χ^2/NDF:58.8/55

All: 0.083+/-0.039 χ^2/NDF: 91.7/104

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 271.899+/-0.052 χ^2/NDF: 2147592.0/25

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

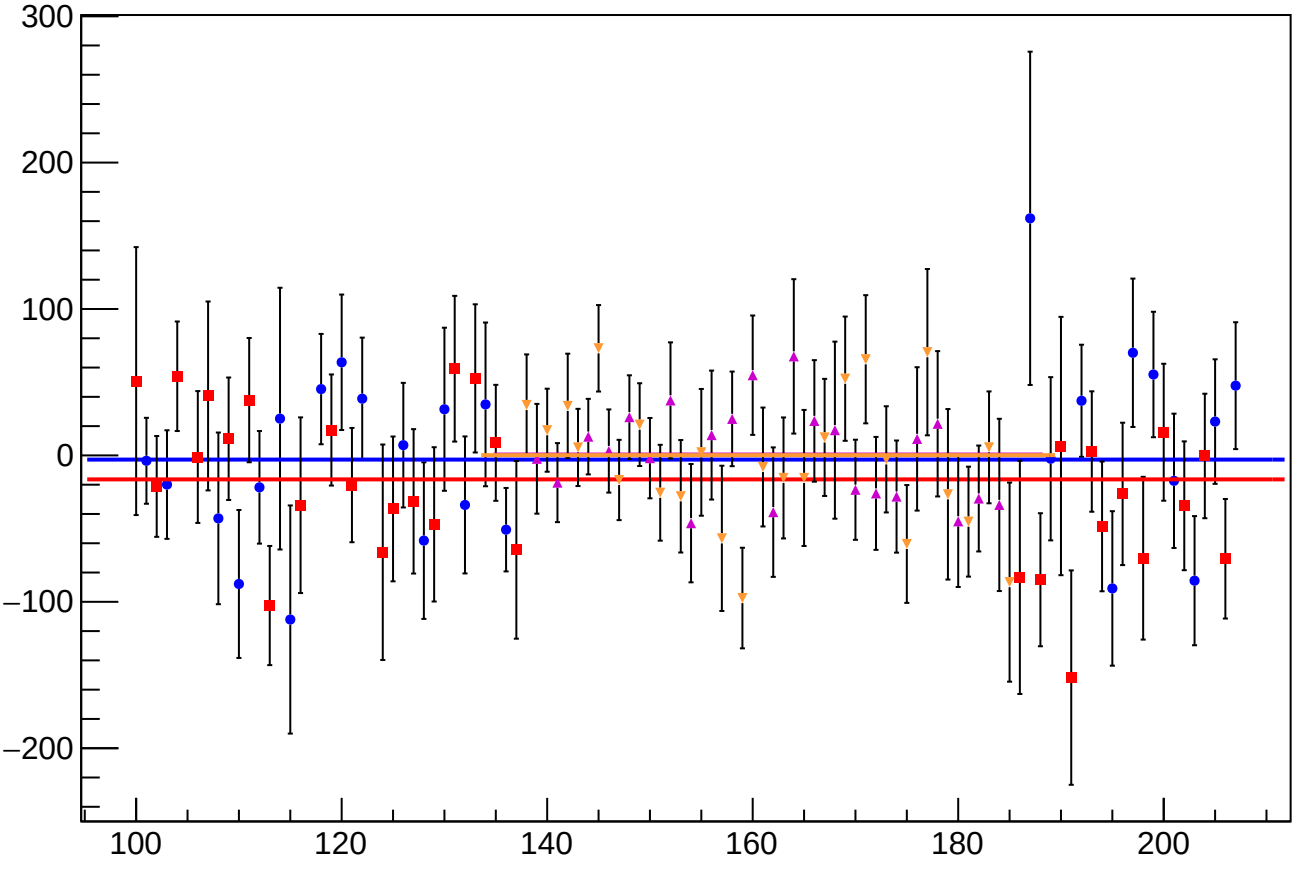
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 274.645+/-0.037 χ^2/NDF: 4687575.4/56

In: 302.070+/-0.039 χ^2/NDF:5126529.3/48

Out: 312.627+/-0.039 χ^2/NDF:4977226.7/55

All: 307.351+/-0.028 χ^2/NDF: 10140458.9/10



Right In: -2.854+/-8.782 χ^2/NDF: 31.0/25

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

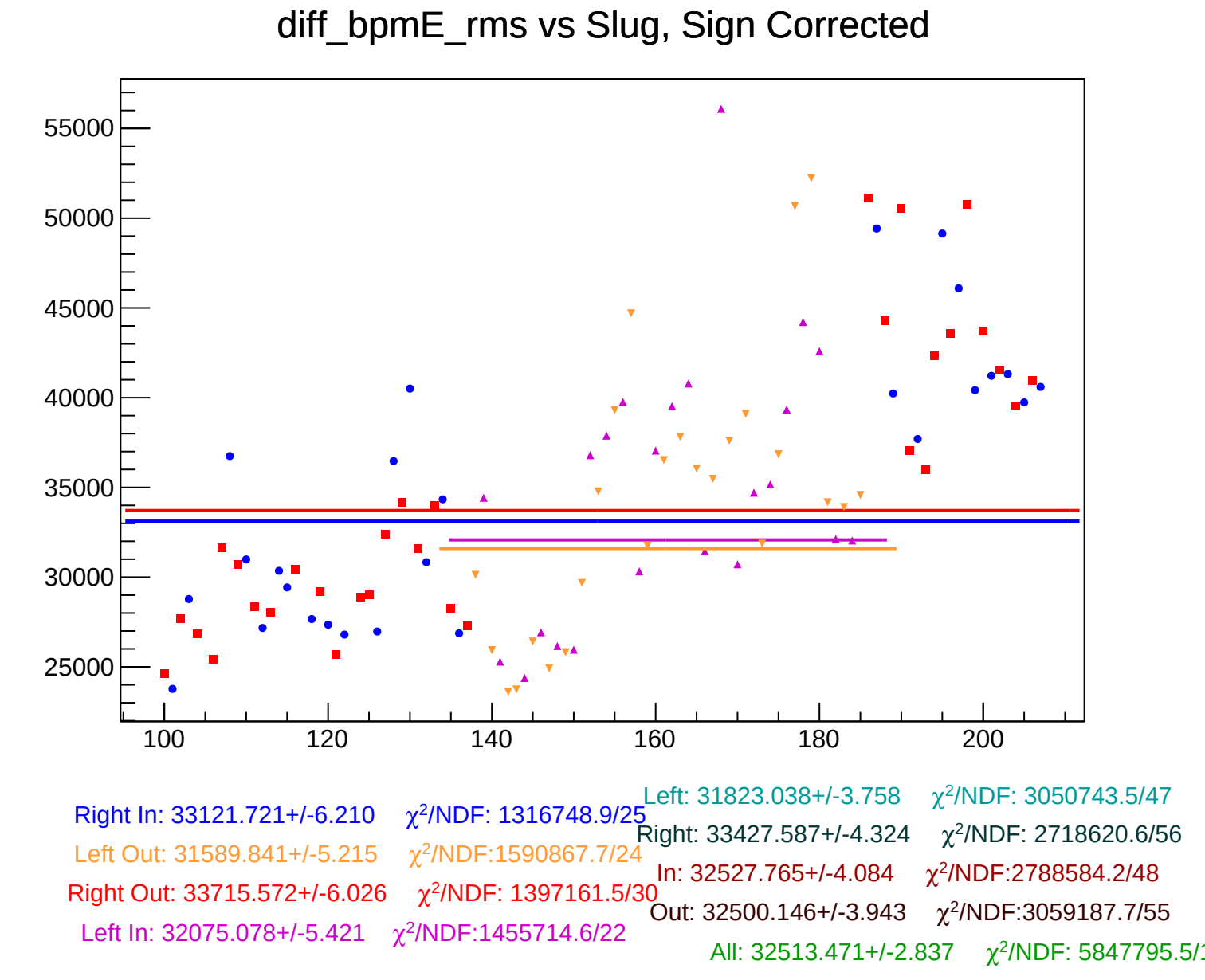
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -9.820+/-6.116 χ^2/NDF: 61.6/56

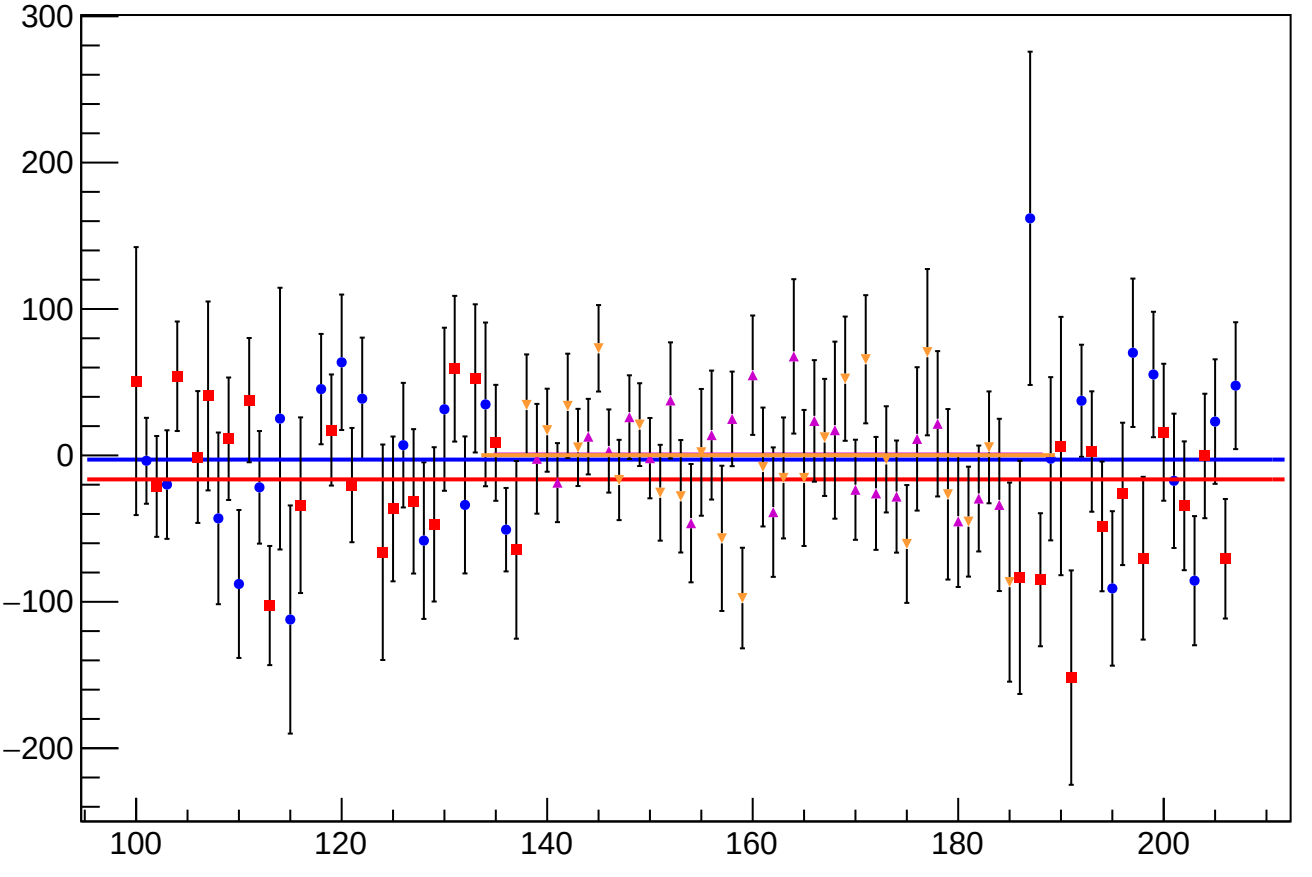
In: -0.902+/-5.776 χ^2/NDF:43.9/48

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -4.015+/-4.012 χ^2/NDF: 107.1/104


diff_bpmE_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33121.721+/-6.210 χ²/NDF: 1316748.9/25
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: 33427.587+/-4.324 χ²/NDF: 2718620.6/56
In: 32527.765+/-4.084 χ²/NDF:2788584.2/48
Out: 32500.146+/-3.943 χ²/NDF:3059187.7/55
All: 32513.471+/-2.837 χ²/NDF: 5847795.5/

diff_bpmEX_mean vs Slug, Sign Corrected



Right In: -2.854+/-8.782 χ^2/NDF: 31.0/25

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

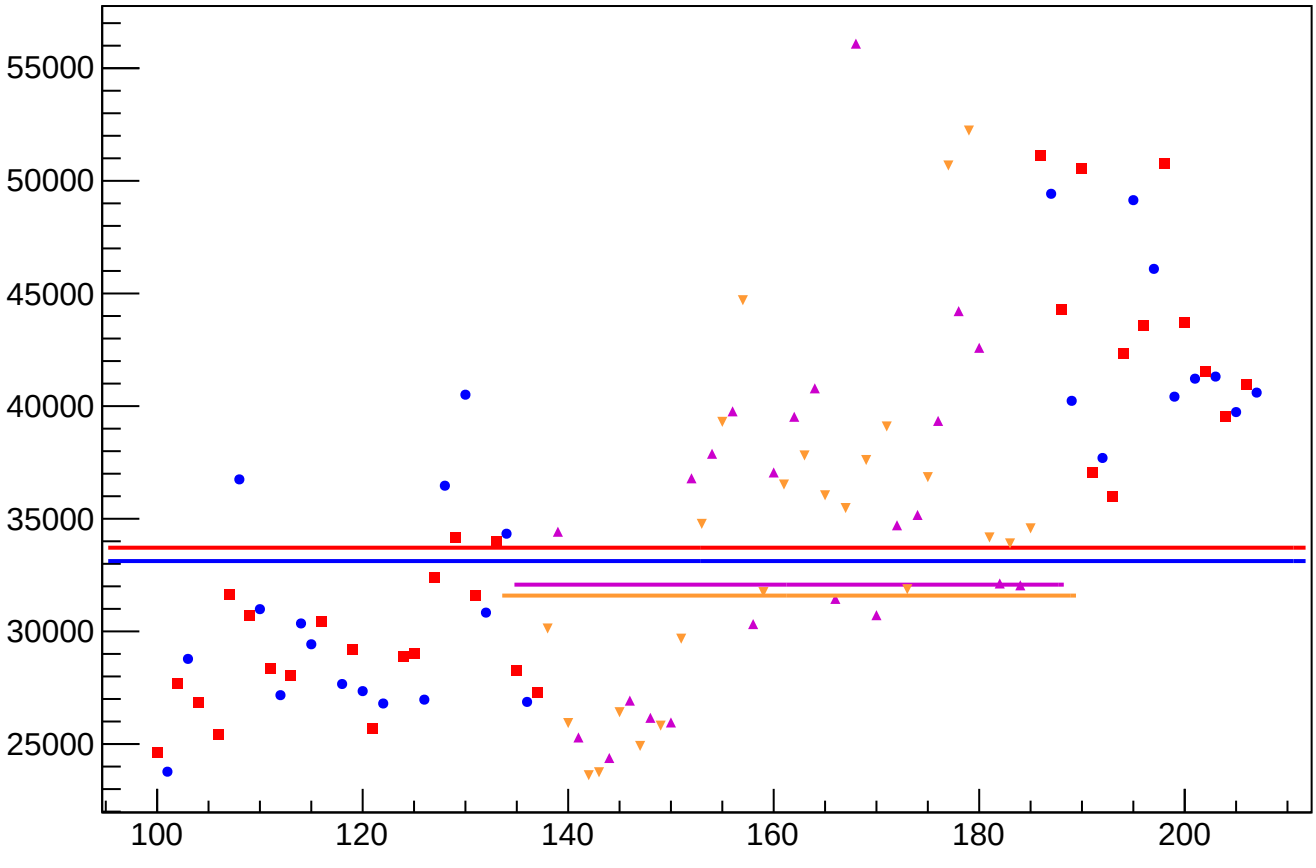
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -9.820+/-6.116 χ^2/NDF: 61.6/56

In: -0.902+/-5.776 χ^2/NDF:43.9/48

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -4.015+/-4.012 χ^2/NDF: 107.1/104



Right In: 33121.721+/-6.210 χ^2/NDF: 1316748.9/25

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

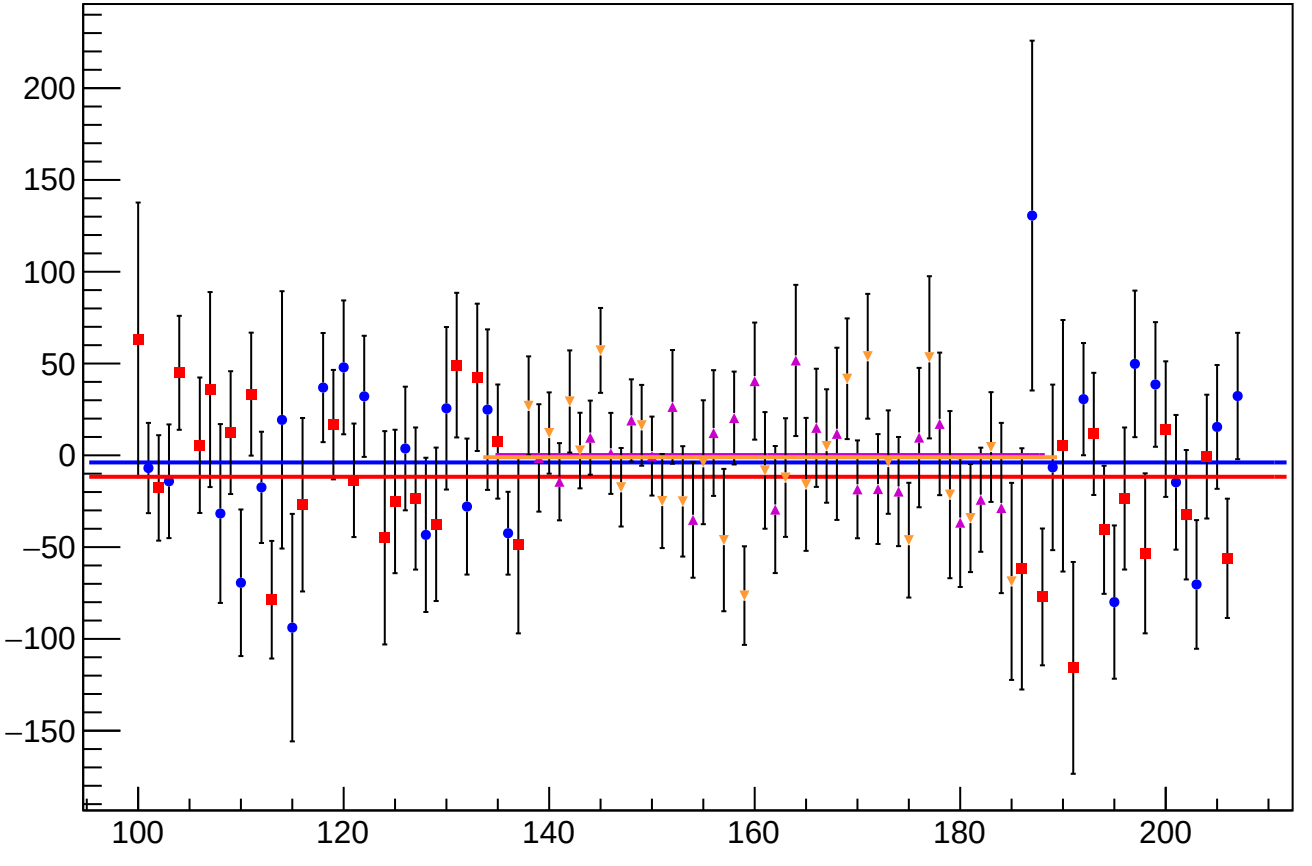
Right: 33427.587+/-4.324 χ^2/NDF: 2718620.6/56

In: 32527.765+/-4.084 χ^2/NDF:2788584.2/48

Out: 32500.146+/-3.943 χ^2/NDF:3059187.7/55

All: 32513.471+/-2.837 χ^2/NDF: 5847795.5/

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -3.878+/-7.019 χ^2/NDF: 30.9/25

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

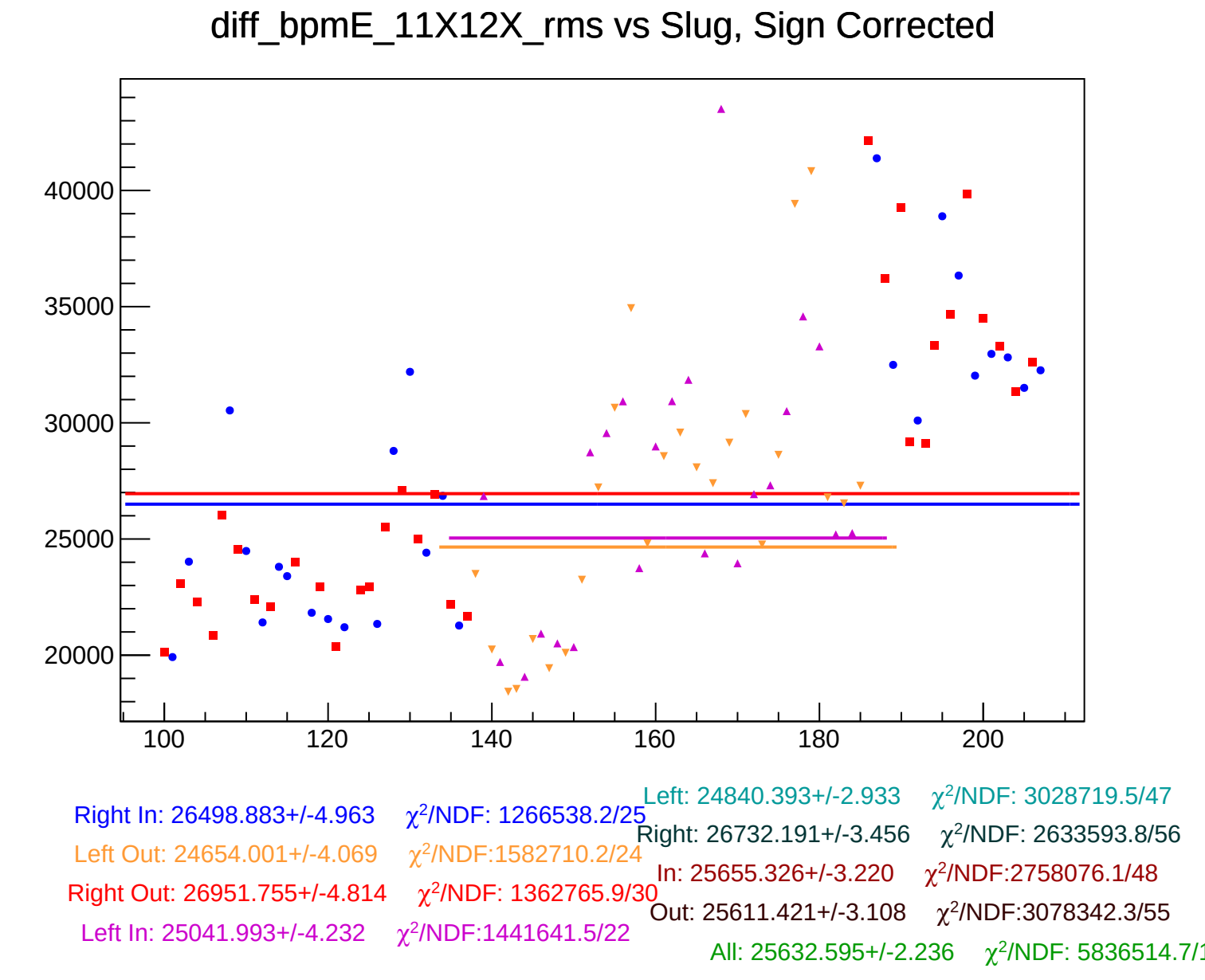
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -7.898+/-4.887 χ^2/NDF: 62.7/56

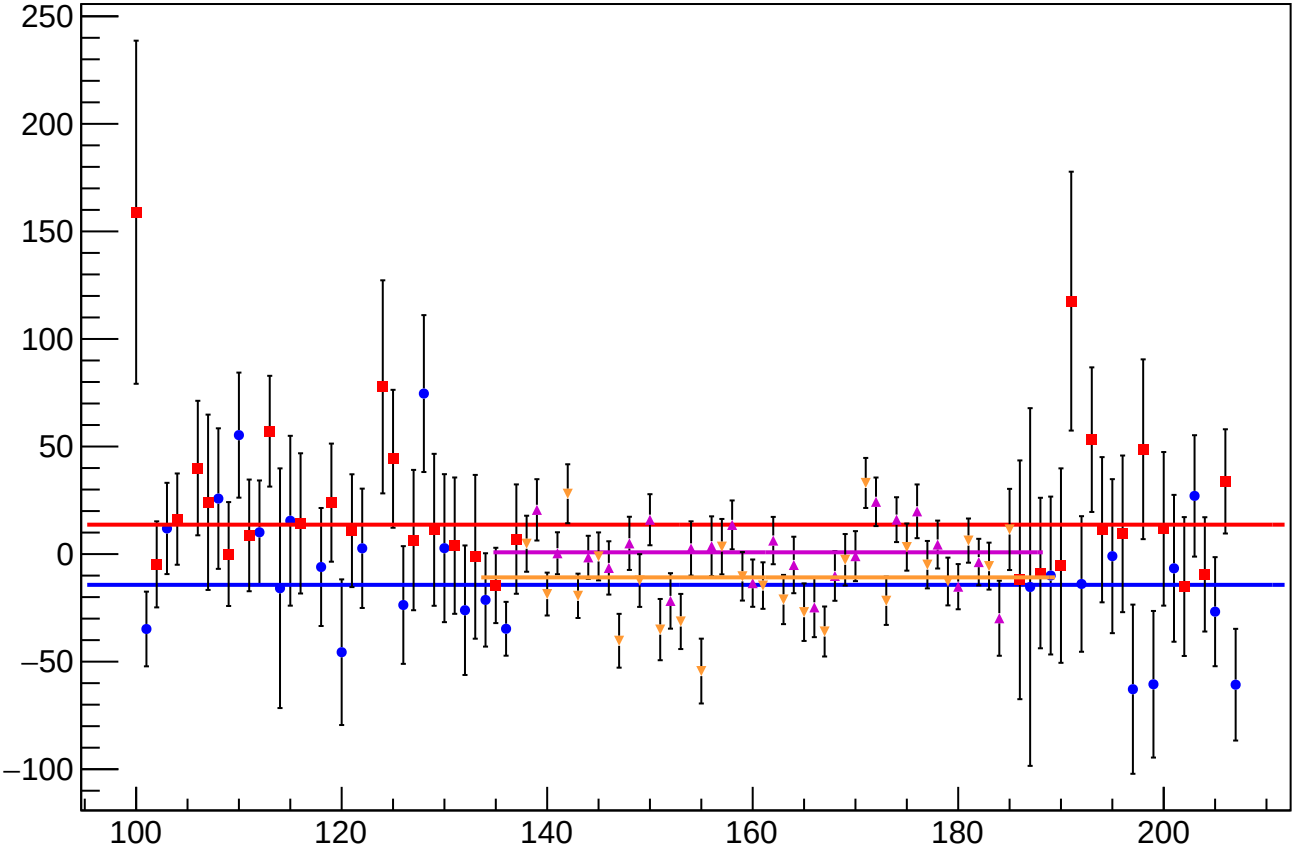
In: -1.548+/-4.554 χ^2/NDF:43.2/48

Out: -5.475+/-4.395 χ^2/NDF:64.9/55

All: -3.581+/-3.162 χ^2/NDF: 108.5/104


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 26498.883+/-4.963 χ²/NDF: 1266538.2/25
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: 26732.191+/-3.456 χ²/NDF: 2633593.8/56
In: 25655.326+/-3.220 χ²/NDF:2758076.1/48
Out: 25611.421+/-3.108 χ²/NDF:3078342.3/55
All: 25632.595+/-2.236 χ²/NDF: 5836514.7/1

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -14.299+/-5.290 χ^2/NDF: 31.5/25

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 13.677+/-5.390 χ^2/NDF: 22.0/30

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

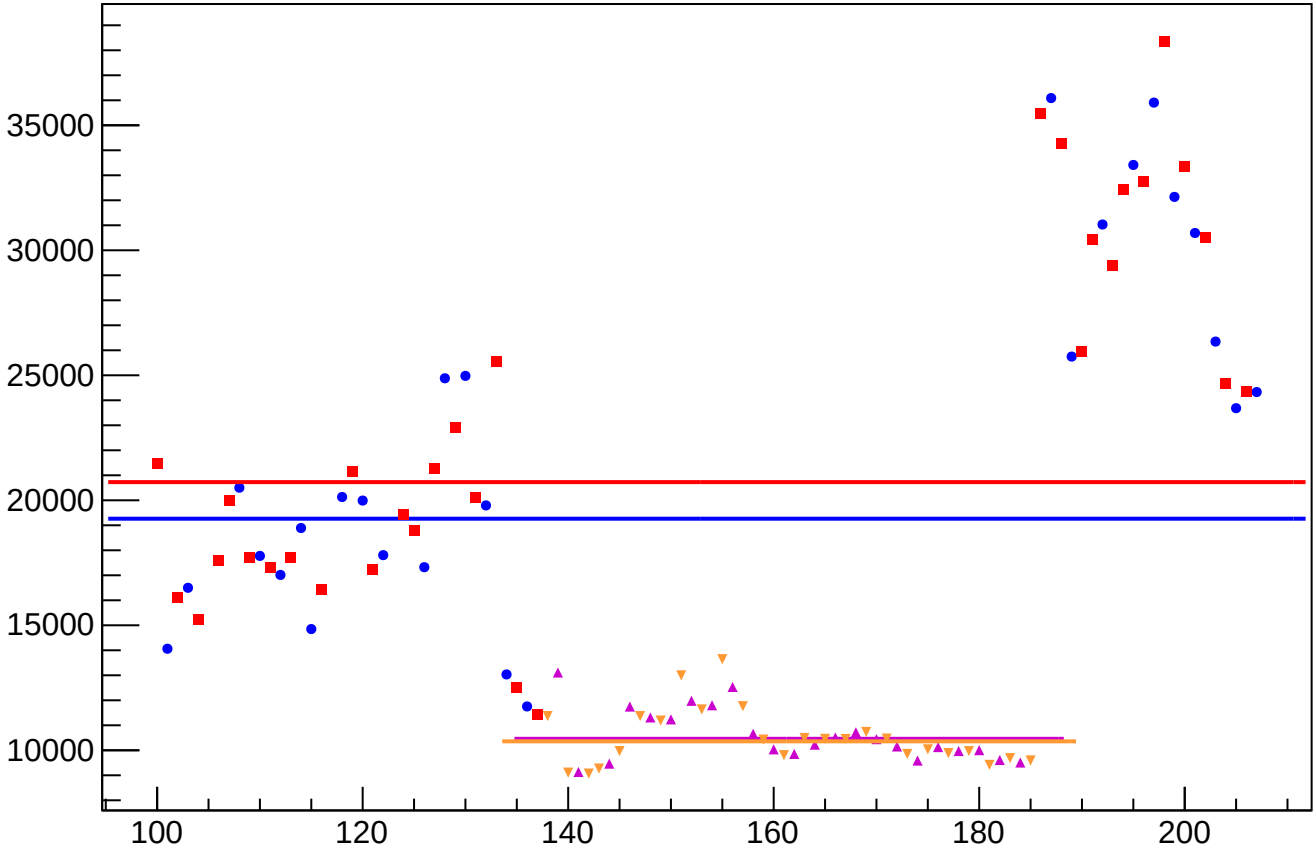
Right: -0.574+/-3.776 χ^2/NDF: 67.2/56

In: -1.857+/-2.228 χ^2/NDF:67.6/48

Out: -6.853+/-2.170 χ^2/NDF:100.6/55

All: -4.422+/-1.555 χ^2/NDF: 170.7/104

diff_bpm4aesumX_rms vs Slug, Sign Corrected



Right In: 19263.424+/-3.741 χ^2/NDF: 3137845.9/25

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

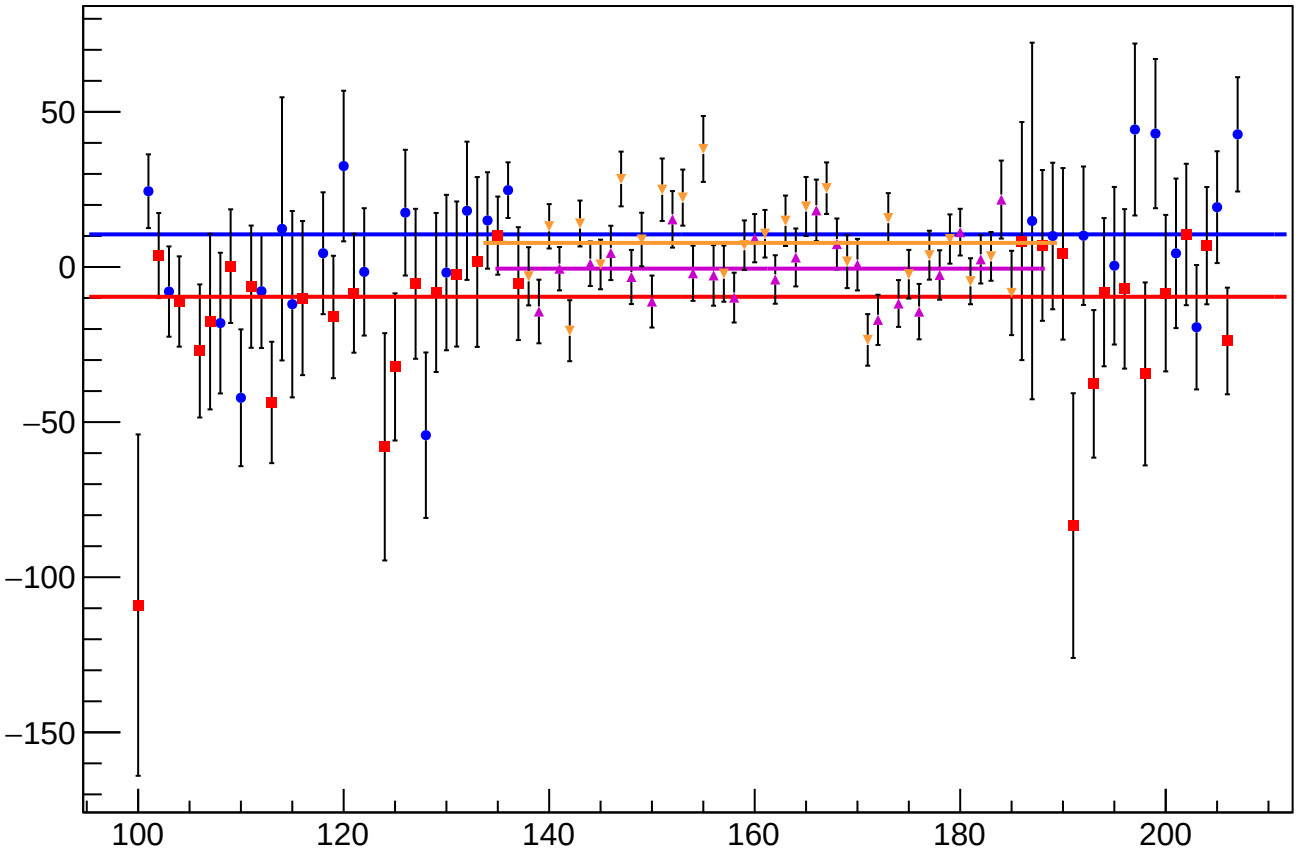
Left: 10406.904+/-1.206 χ^2/NDF: 679454.0/47

Right: 19981.536+/-2.670 χ^2/NDF: 6386689.6/56

In: 12021.311+/-1.576 χ^2/NDF:8009257.0/48

Out: 12038.447+/-1.534 χ^2/NDF:9737836.7/55

All: 12030.107+/-1.099 χ^2/NDF: 17747154.4



Right In: 10.517+/-3.779 χ^2/NDF: 31.1/25

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

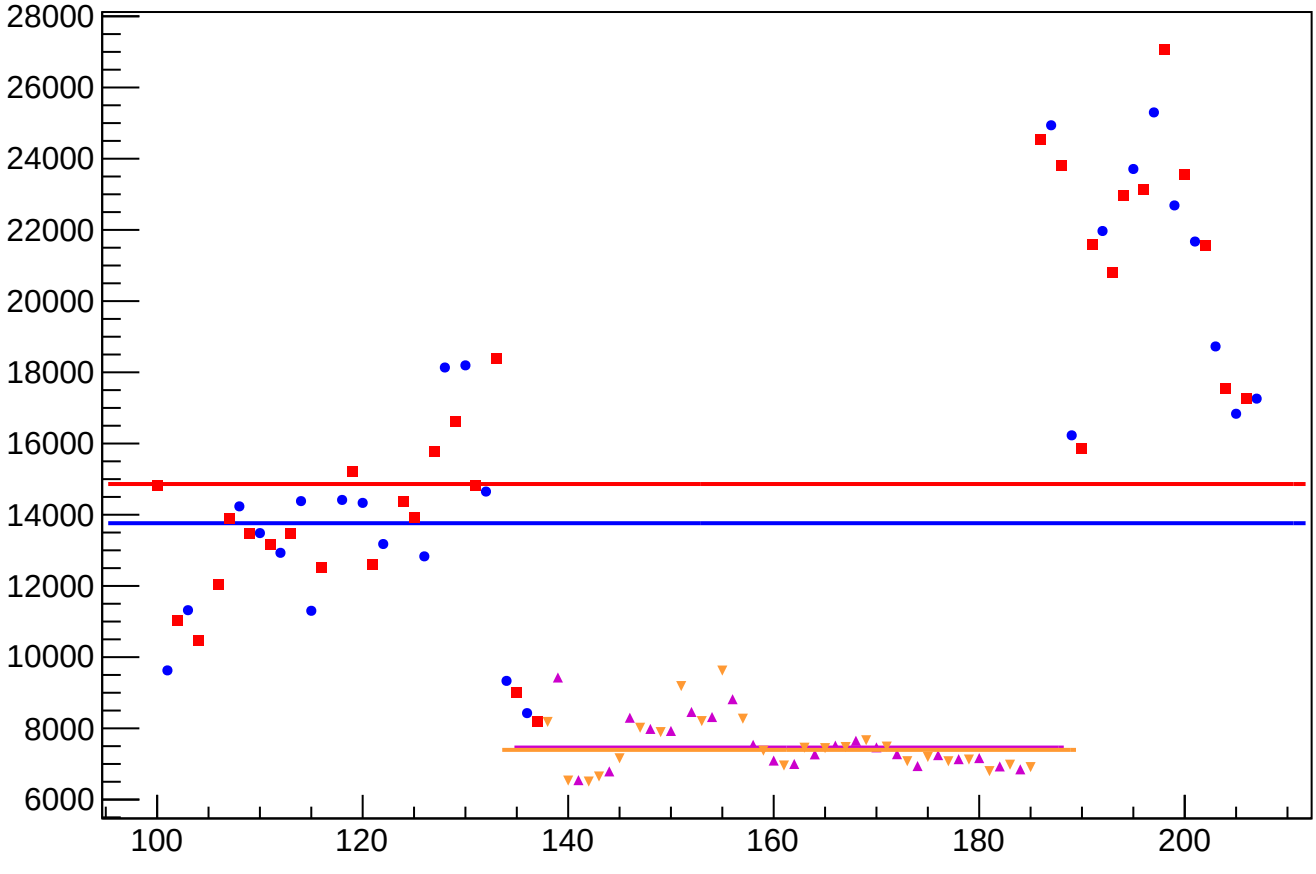
Right: 0.665+/-2.699 χ^2/NDF: 67.2/56

In: 1.423+/-1.589 χ^2/NDF:67.6/48

Out: 4.963+/-1.549 χ^2/NDF:100.1/55

All: 3.238+/-1.109 χ^2/NDF: 170.2/104

diff_bpm4aediffX_rms vs Slug, Sign Corrected



Right In: 13762.140+/-2.672 χ^2/NDF: 3080863.8/25

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

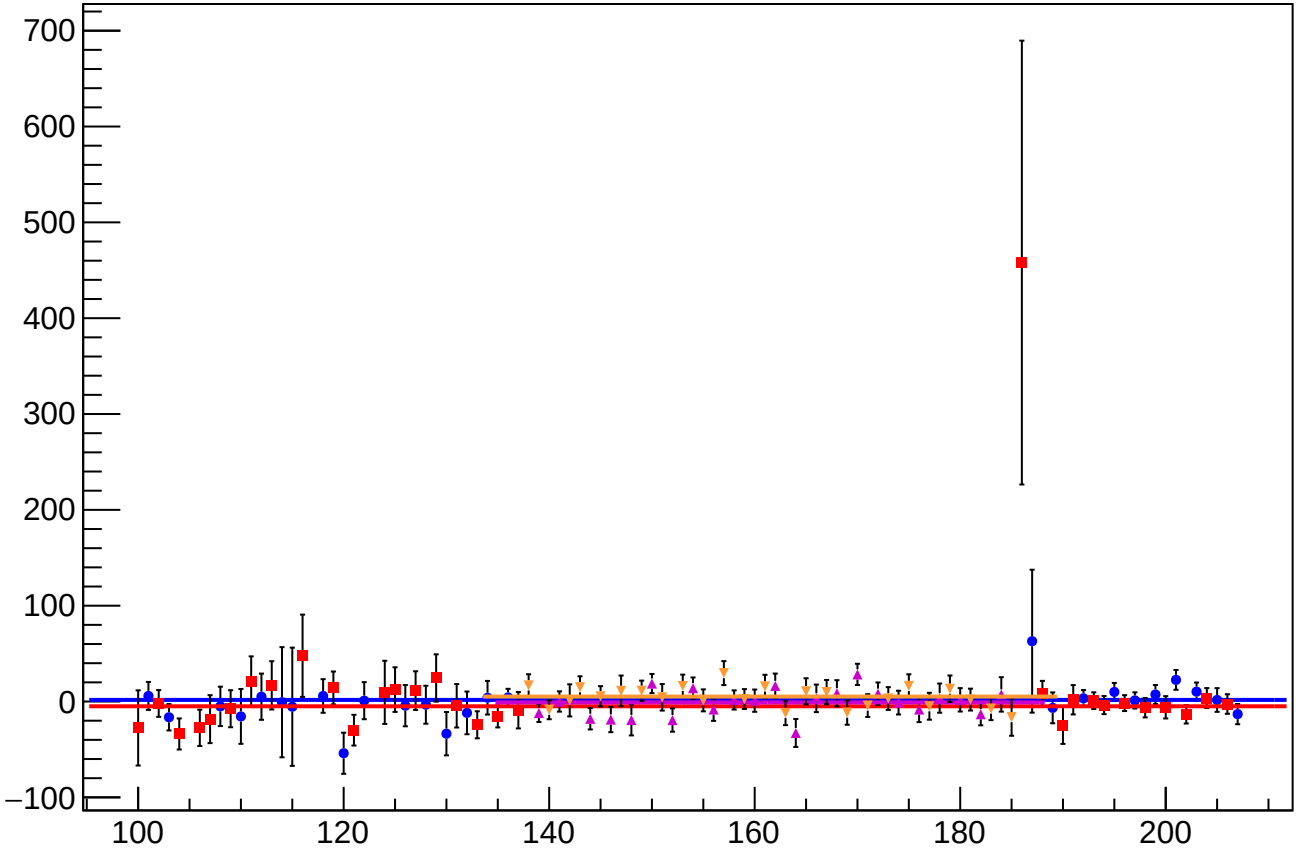
Right: 14301.023+/-1.909 χ^2/NDF: 6219444.7/56

In: 8575.762+/-1.124 χ^2/NDF:7942775.4/48

Out: 8599.852+/-1.095 χ^2/NDF:9665482.8/55

All: 8588.117+/-0.784 χ^2/NDF: 17608493.9/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 1.695+/-2.700 χ^2/NDF: 21.1/25

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

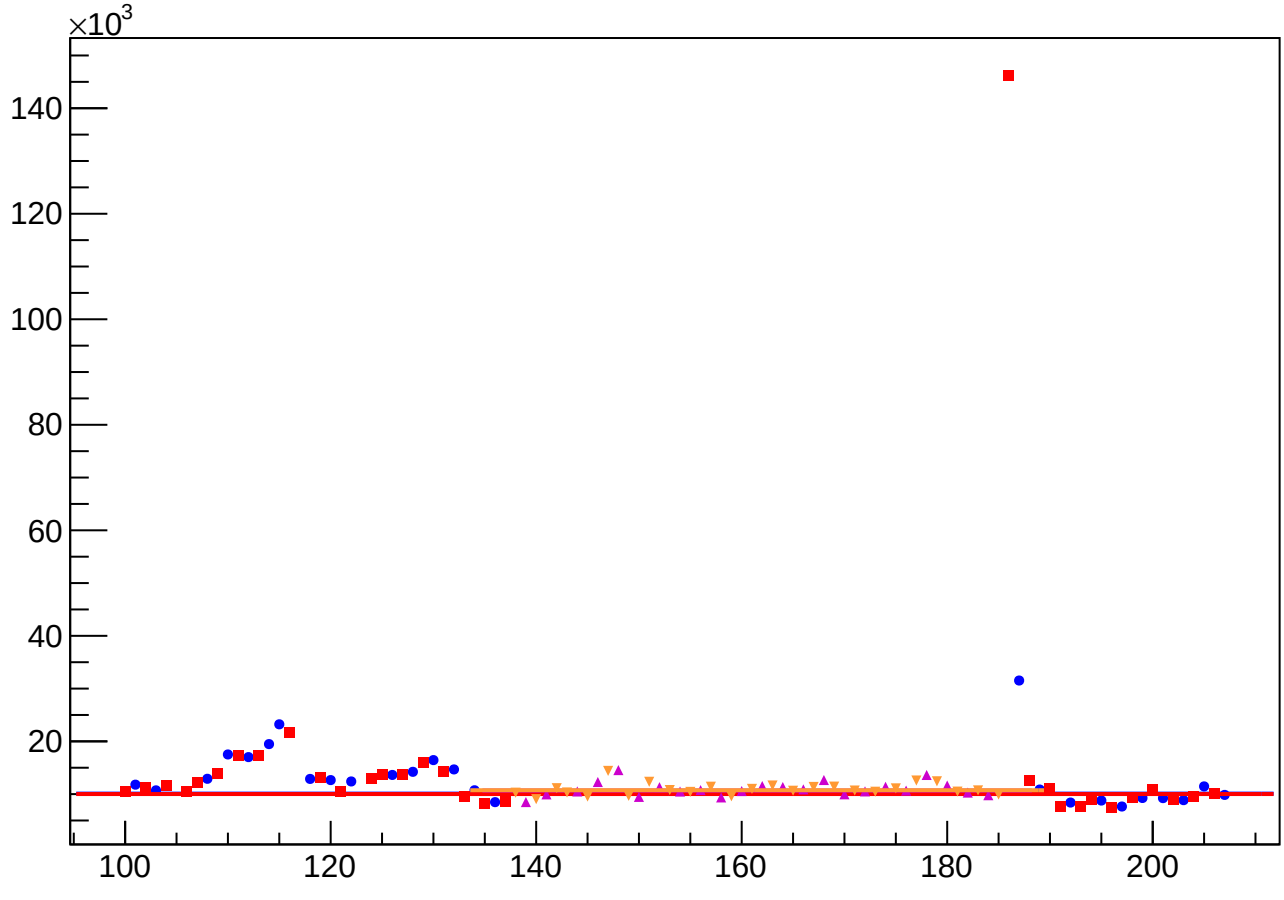
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -1.784+/-1.866 χ^2/NDF: 50.4/56

In: 0.312+/-1.842 χ^2/NDF:53.4/48

Out: 0.354+/-1.780 χ^2/NDF:52.6/55

All: 0.334+/-1.280 χ^2/NDF: 106.0/104



Right In: 10089.979+/-1.909 χ^2/NDF: 1610505.4/25

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

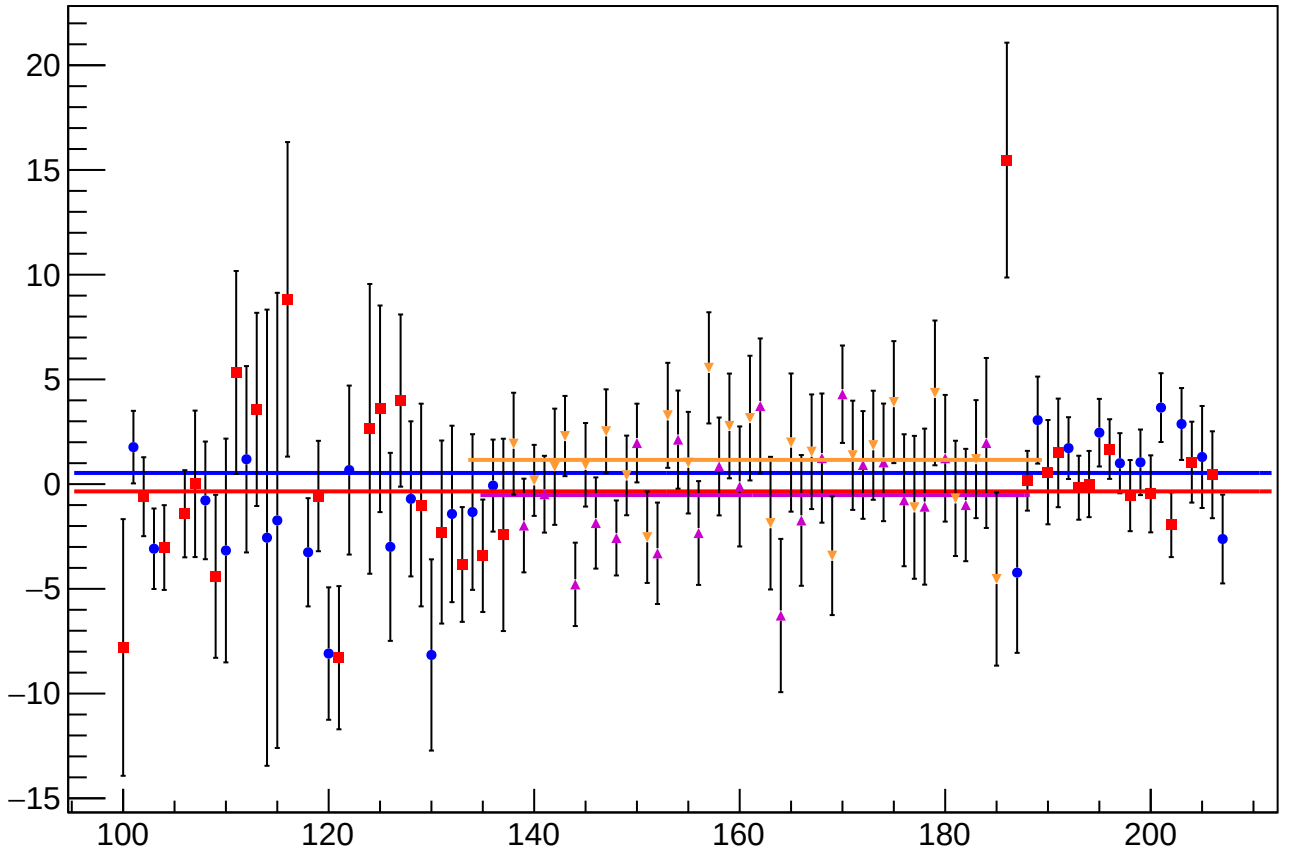
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10049.270+/-1.319 χ^2/NDF: 3902800.9/56

In: 10403.949+/-1.302 χ^2/NDF:2161662.0/48

Out: 10390.464+/-1.259 χ^2/NDF:2741655.4/55

All: 10396.979+/-0.905 χ^2/NDF: 4903372.8/1



Right In: 0.534+/-0.457 χ^2/NDF: 32.4/25

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

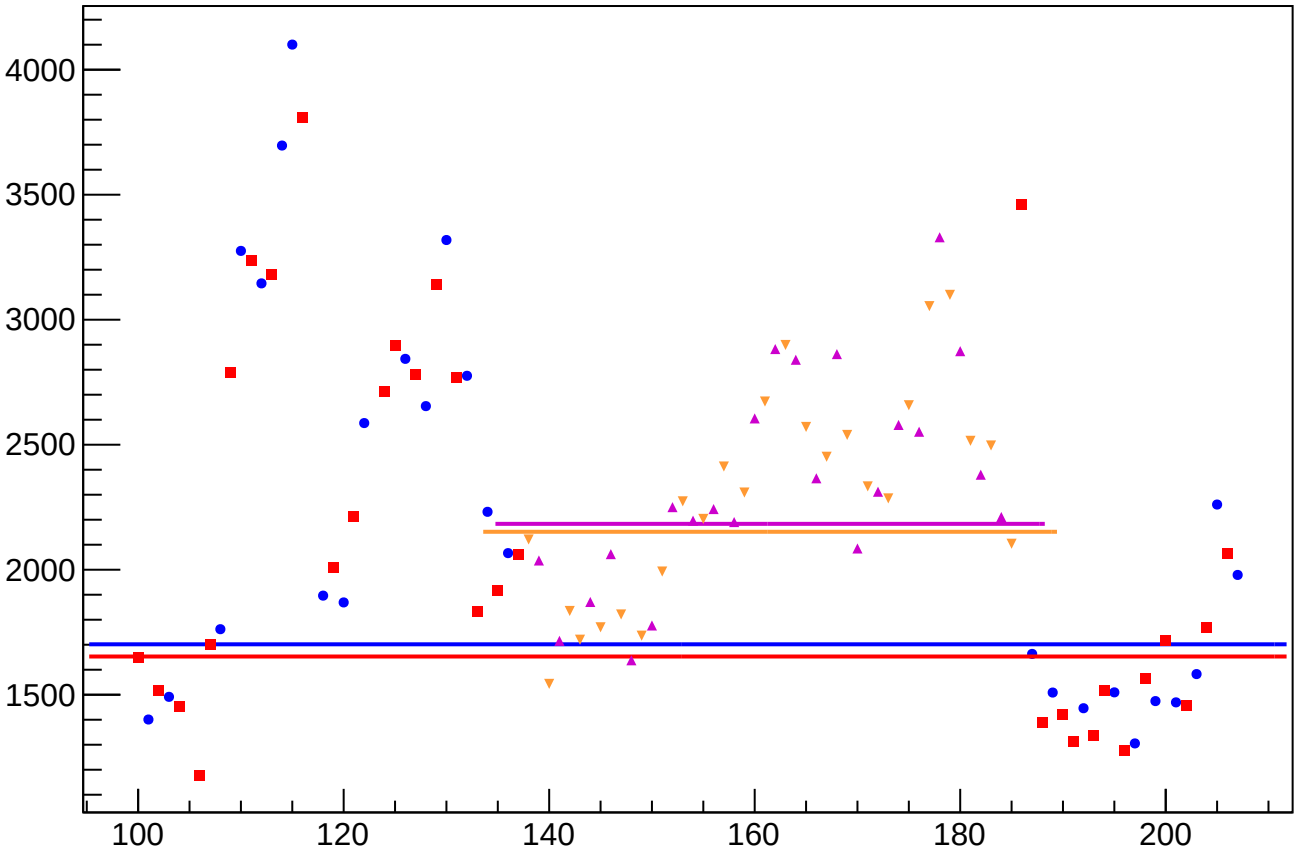
Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

Right: 0.062+/-0.311 χ^2/NDF: 65.9/56

In: 0.073+/-0.343 χ^2/NDF:57.1/48

Out: 0.285+/-0.324 χ^2/NDF:53.5/55

All: 0.185+/-0.236 χ^2/NDF: 110.8/104



Right In: 1701.695+/-0.323 χ^2/NDF: 1975382.3/25

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

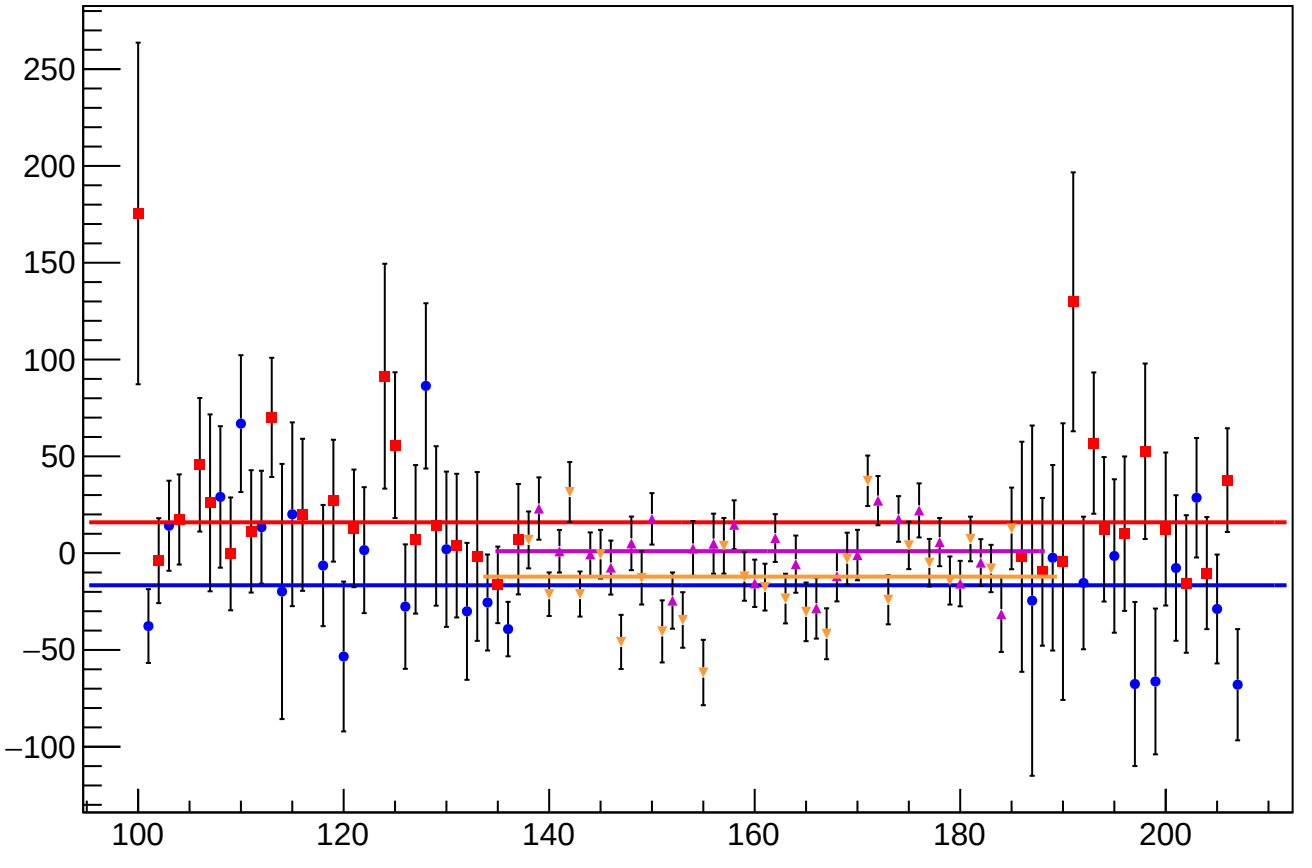
Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

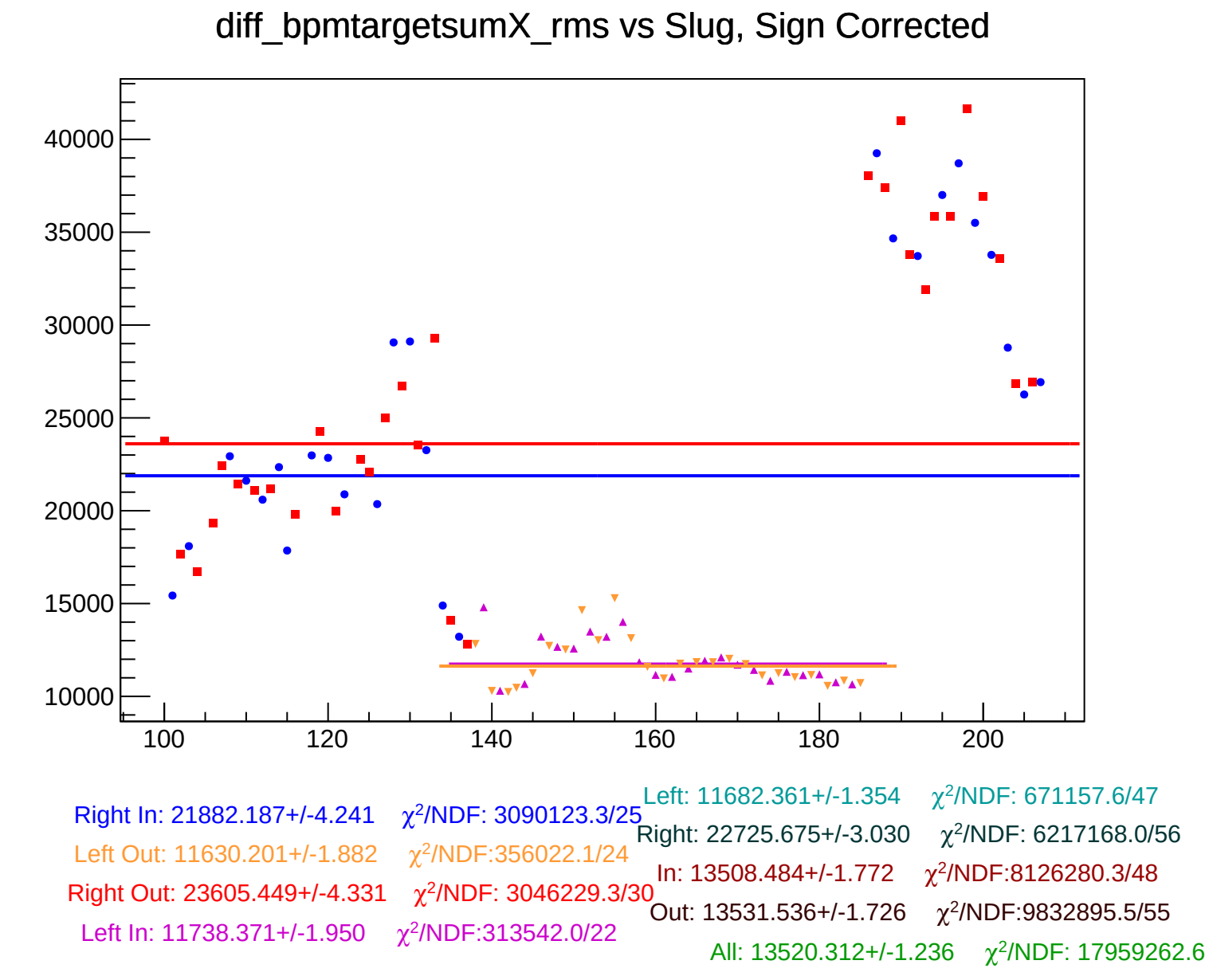
Right: 1675.555+/-0.220 χ^2/NDF: 4362108.1/56

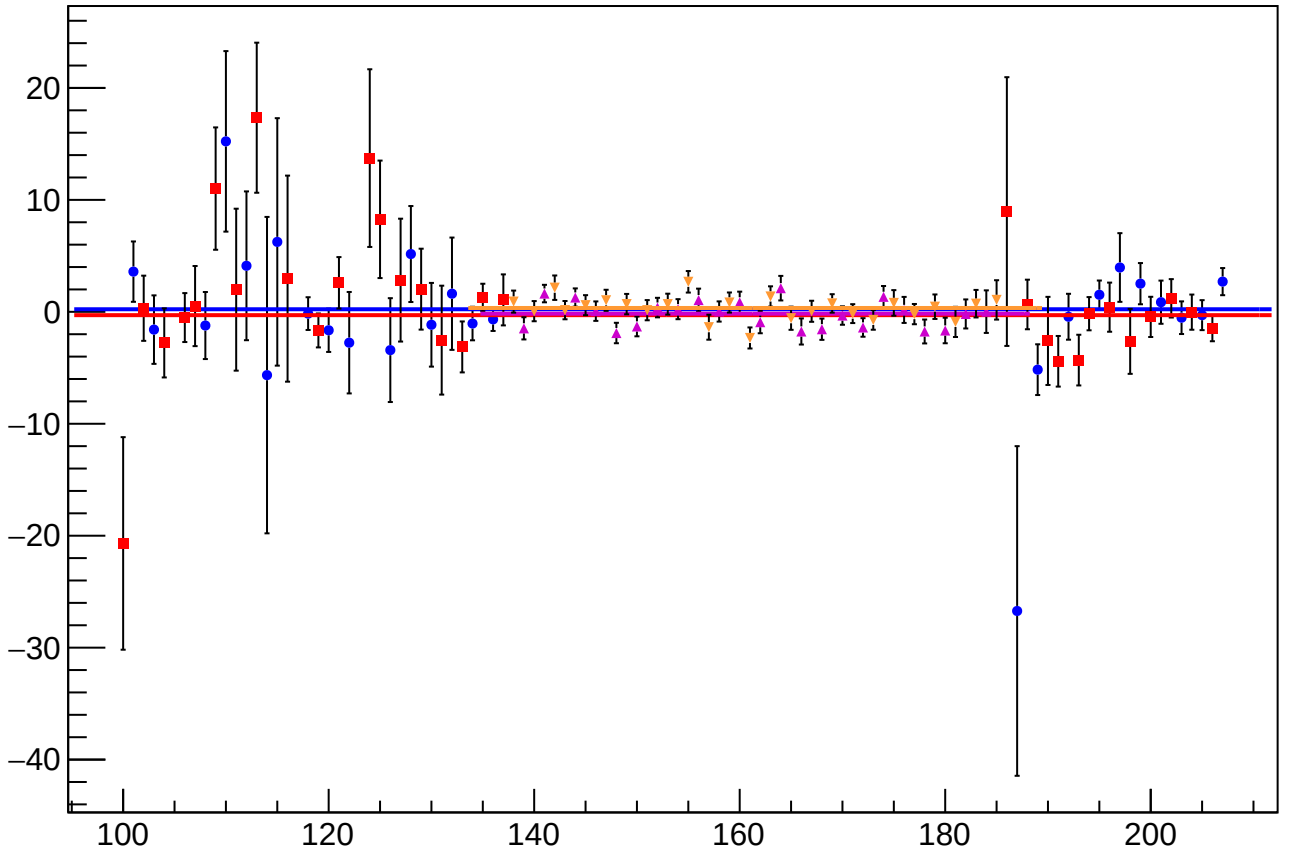
In: 1911.711+/-0.243 χ^2/NDF:4106613.7/48

Out: 1862.409+/-0.229 χ^2/NDF:4878201.3/55

All: 1885.649+/-0.167 χ^2/NDF: 9006627.7/10


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -16.595+/-5.998 χ²/NDF: 31.1/25
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: 15.933+/-6.125 χ²/NDF: 22.1/30
Left In: 1.024+/-2.758 χ²/NDF:28.8/22
Left: -5.790+/-1.915 χ²/NDF: 103.2/47
Right: -0.673+/-4.285 χ²/NDF: 67.6/56
In: -2.051+/-2.505 χ²/NDF:67.0/48
Out: -7.678+/-2.441 χ²/NDF:102.4/55
All: -4.938+/-1.748 χ²/NDF: 172.0/104


diff_bpmtargetsumX_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 21882.187+/-4.241 χ²/NDF: 3090123.3/25
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: 22725.675+/-3.030 χ²/NDF: 6217168.0/56
In: 13508.484+/-1.772 χ²/NDF:8126280.3/48
Out: 13531.536+/-1.726 χ²/NDF:9832895.5/55
All: 13520.312+/-1.236 χ²/NDF: 17959262.6



Right In: 0.230+/-0.401 χ^2/NDF: 29.3/25

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

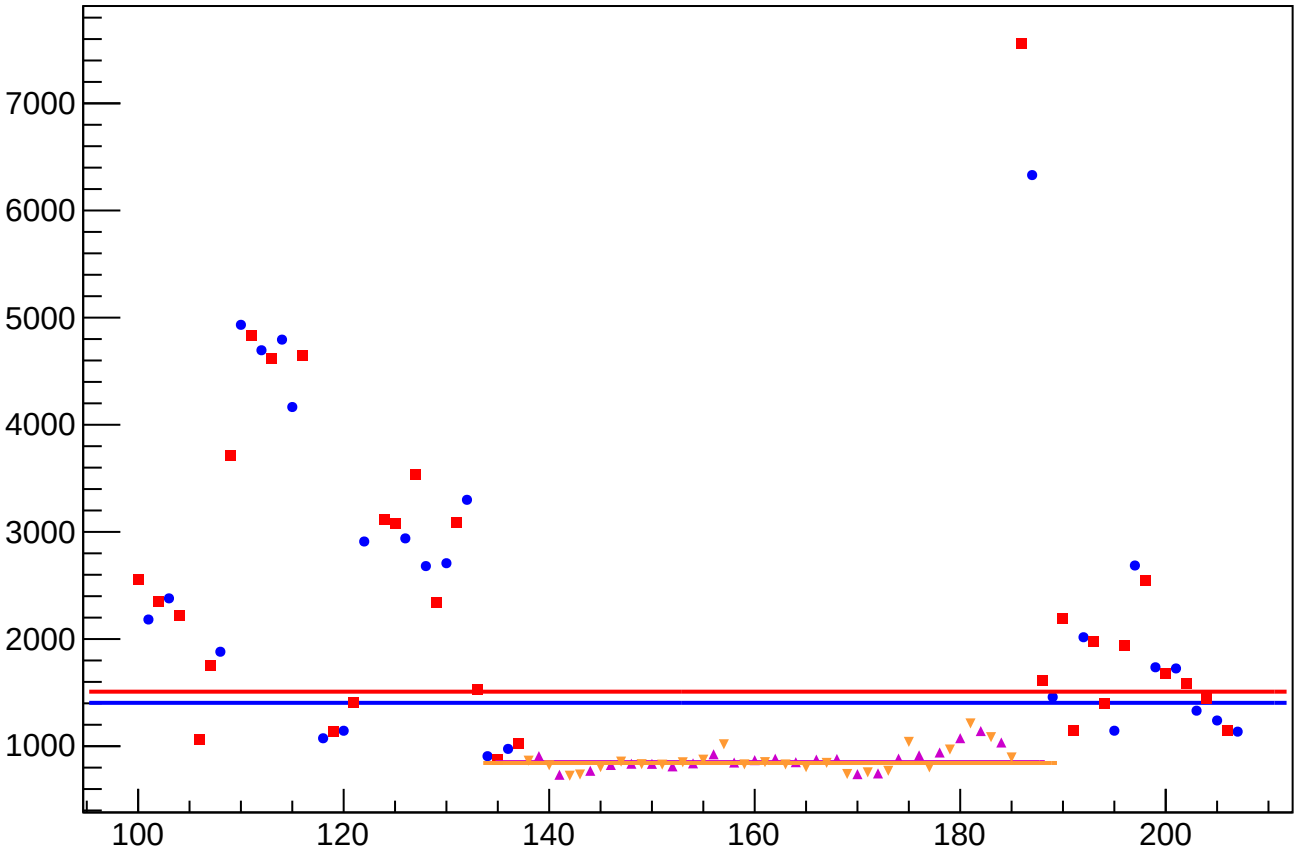
Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

Right: -0.024+/-0.289 χ^2/NDF: 69.9/56

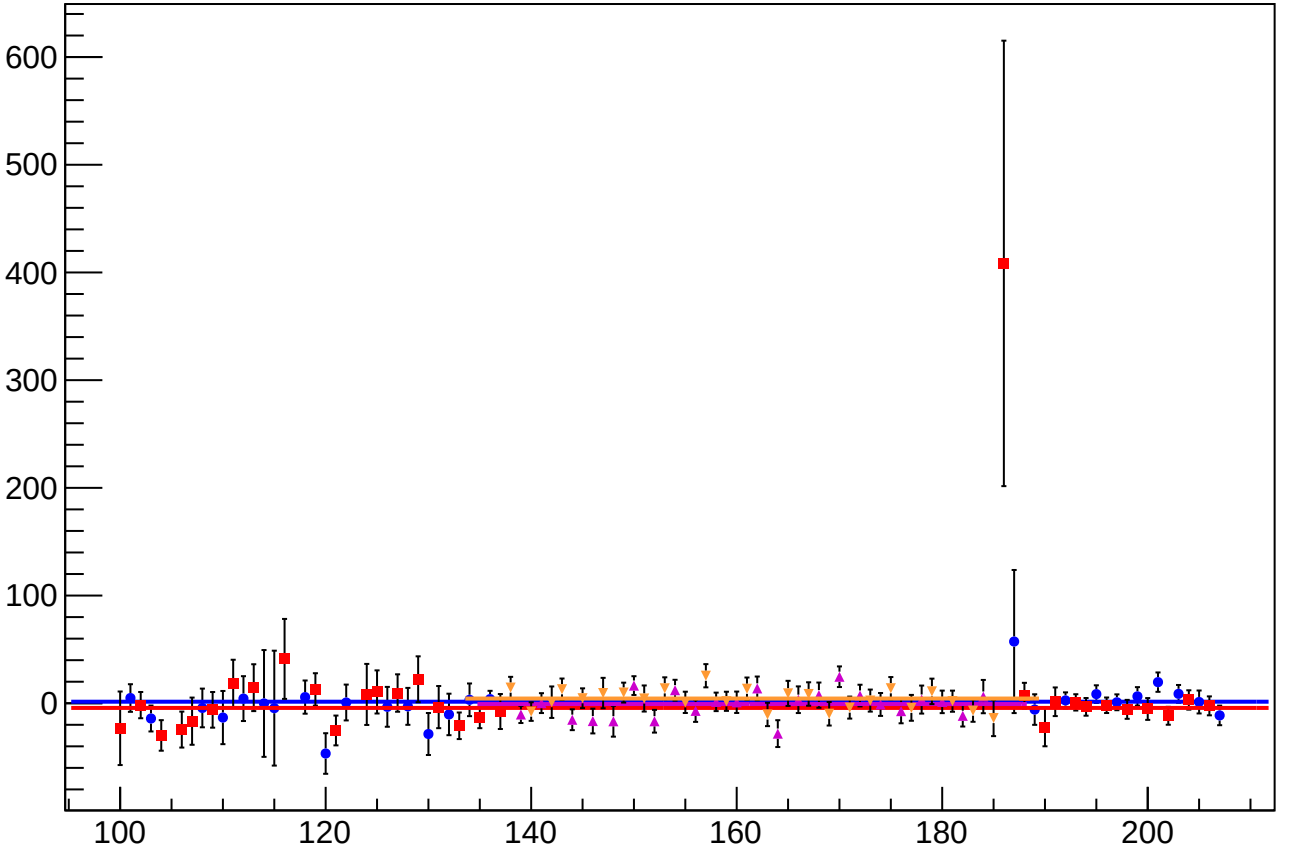
In: -0.086+/-0.180 χ^2/NDF:66.5/48

Out: 0.229+/-0.176 χ^2/NDF:68.5/55

All: 0.075+/-0.126 χ^2/NDF: 136.5/104


diff_bpmtargetdiffX_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1404.650+/-0.284 χ²/NDF: 4471877.0/25
Left Out: 843.266+/-0.137 χ²/NDF:505106.4/24
Right Out: 1508.807+/-0.295 χ²/NDF: 4689051.9/30
Left In: 851.618+/-0.142 χ²/NDF:382555.6/22
Left: 847.291+/-0.099 χ²/NDF: 889453.1/47
Right: 1454.788+/-0.204 χ²/NDF: 9225770.4/56
In: 962.398+/-0.127 χ²/NDF:7891241.2/48
Out: 961.633+/-0.124 χ²/NDF:9390925.9/55
All: 962.007+/-0.089 χ²/NDF: 17282185.7/10

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 1.440+/-2.341 χ^2/NDF: 20.7/25

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

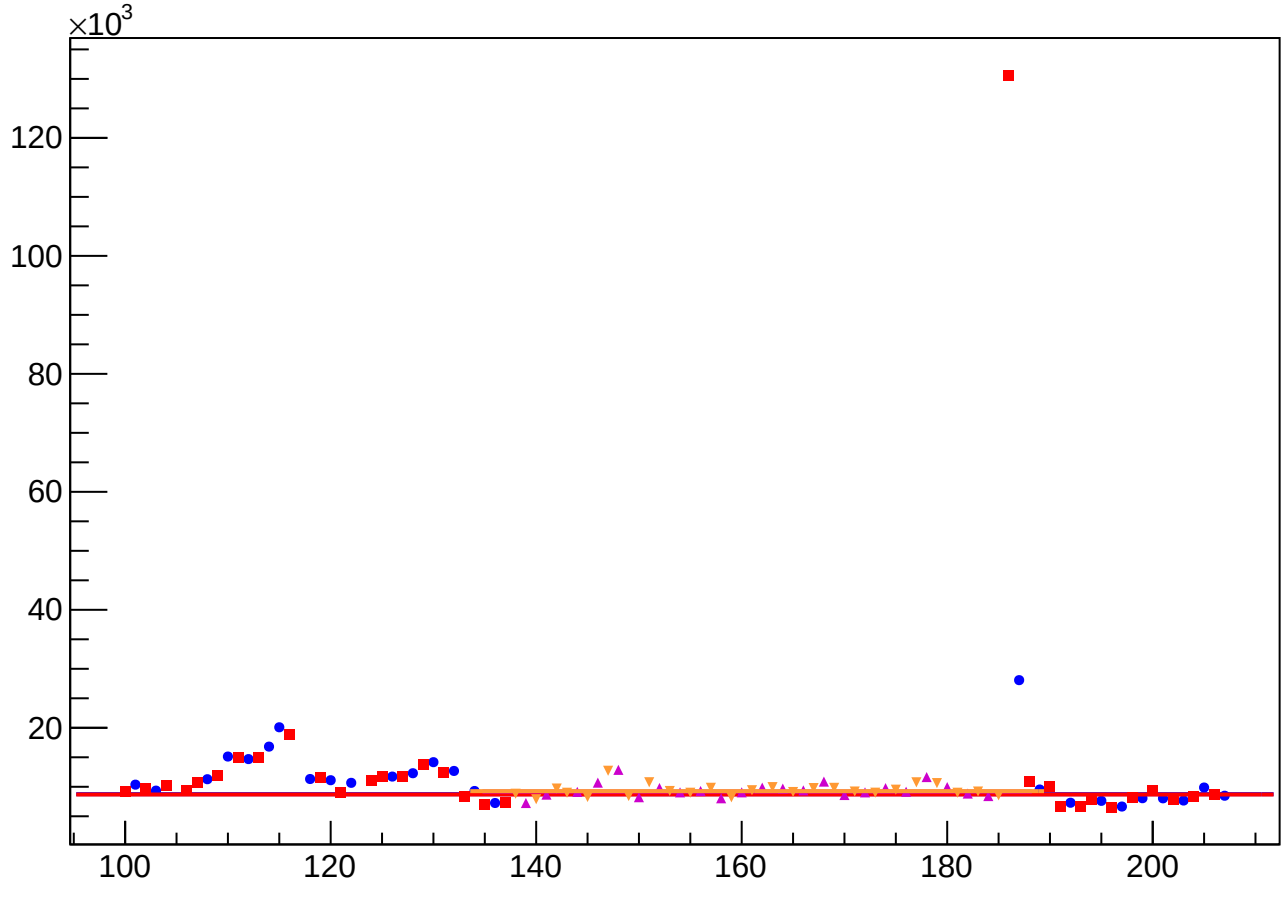
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -1.570+/-1.619 χ^2/NDF: 50.0/56

In: 0.271+/-1.592 χ^2/NDF:53.2/48

Out: 0.267+/-1.541 χ^2/NDF:52.6/55

All: 0.269+/-1.107 χ^2/NDF: 105.8/104



Right In: 8747.691+/-1.656 χ^2/NDF: 1619411.9/25

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

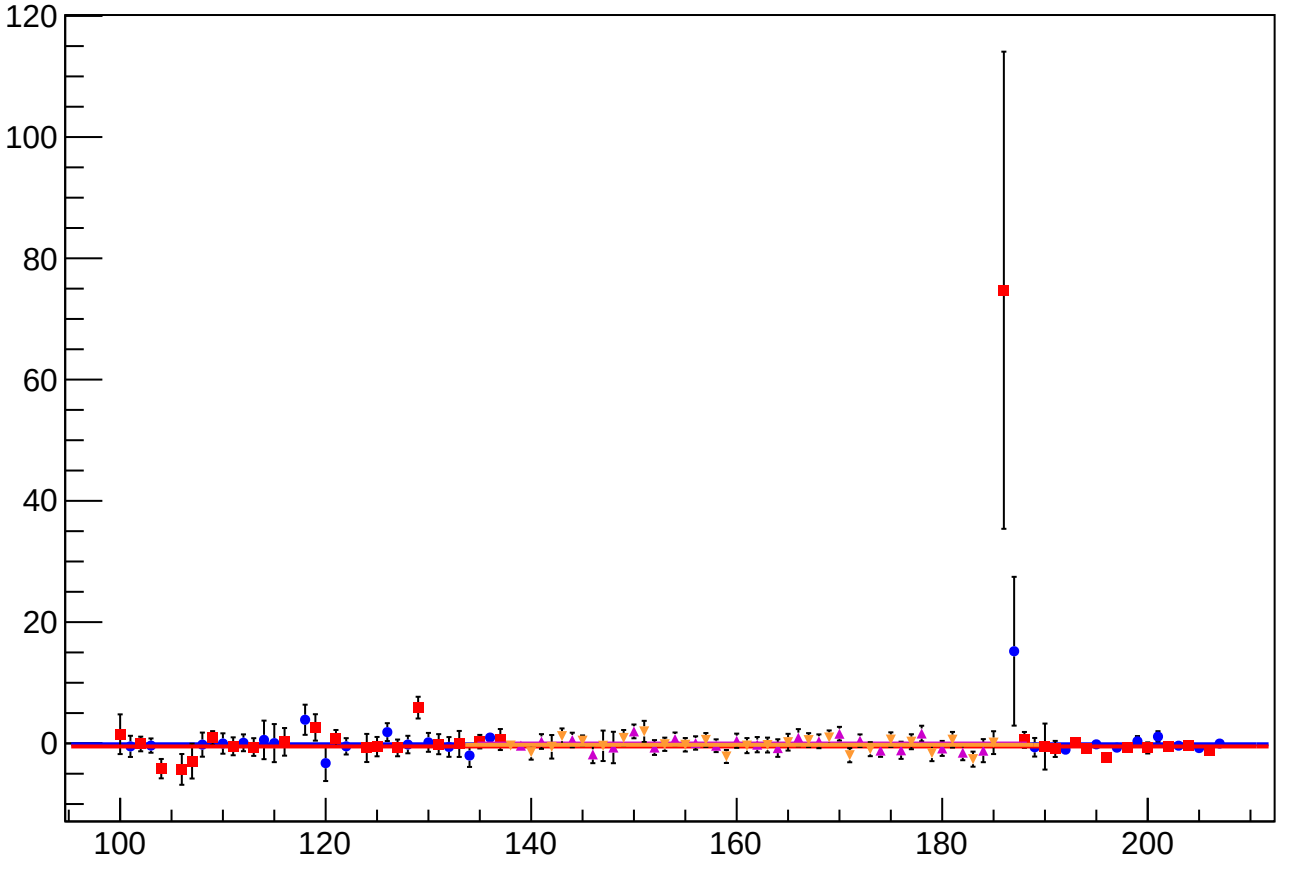
Right: 8718.079+/-1.145 χ^2/NDF: 3917271.0/56

In: 8990.702+/-1.126 χ^2/NDF:2174965.8/48

Out: 8991.963+/-1.090 χ^2/NDF:2731664.4/55

All: 8991.353+/-0.783 χ^2/NDF: 4906630.8/10

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.145+/-0.213 χ^2/NDF: 15.8/25

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

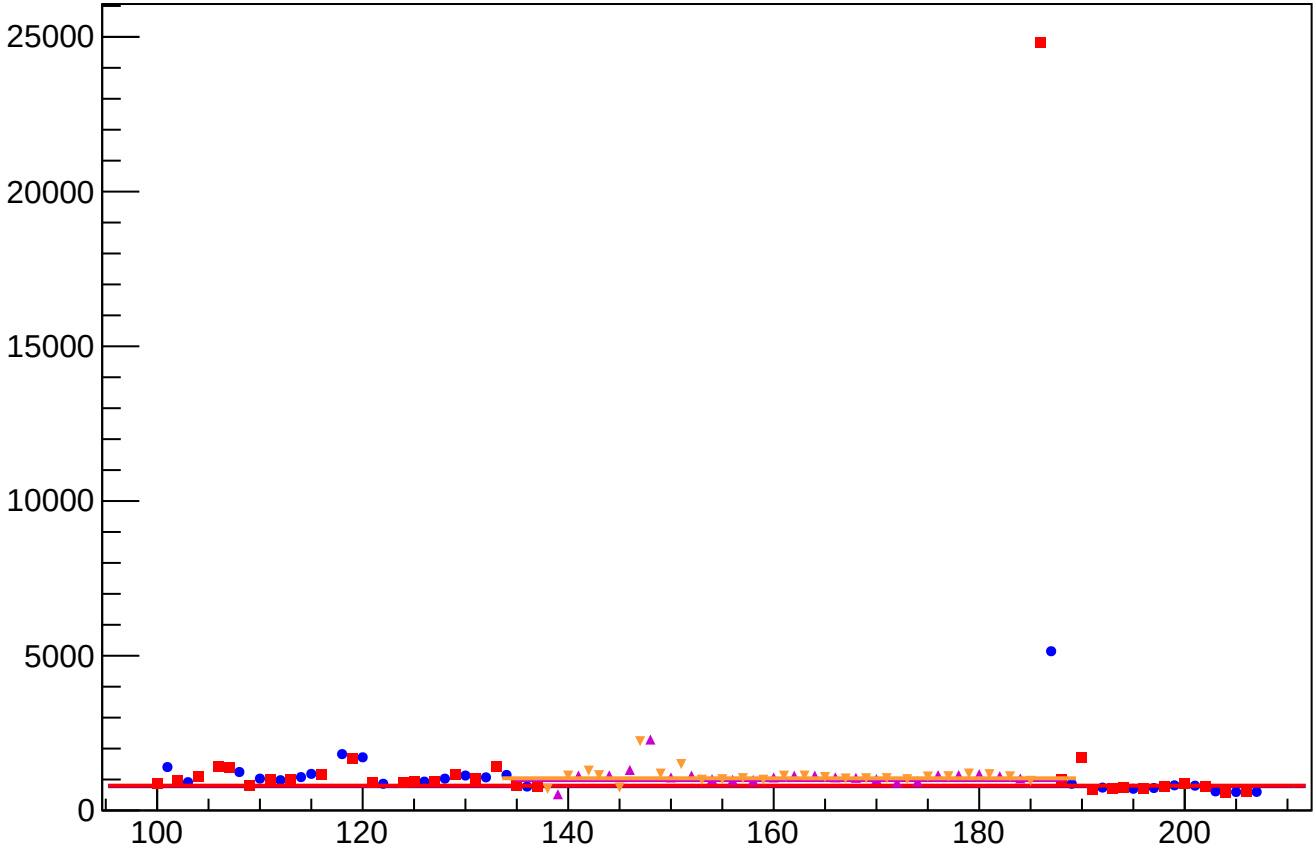
Right: -0.328+/-0.150 χ^2/NDF: 56.3/56

In: -0.092+/-0.159 χ^2/NDF:31.2/48

Out: -0.388+/-0.159 χ^2/NDF:58.8/55

All: -0.240+/-0.112 χ^2/NDF: 91.7/104

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 785.004+/-0.151 χ^2/NDF: 2147592.0/25

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

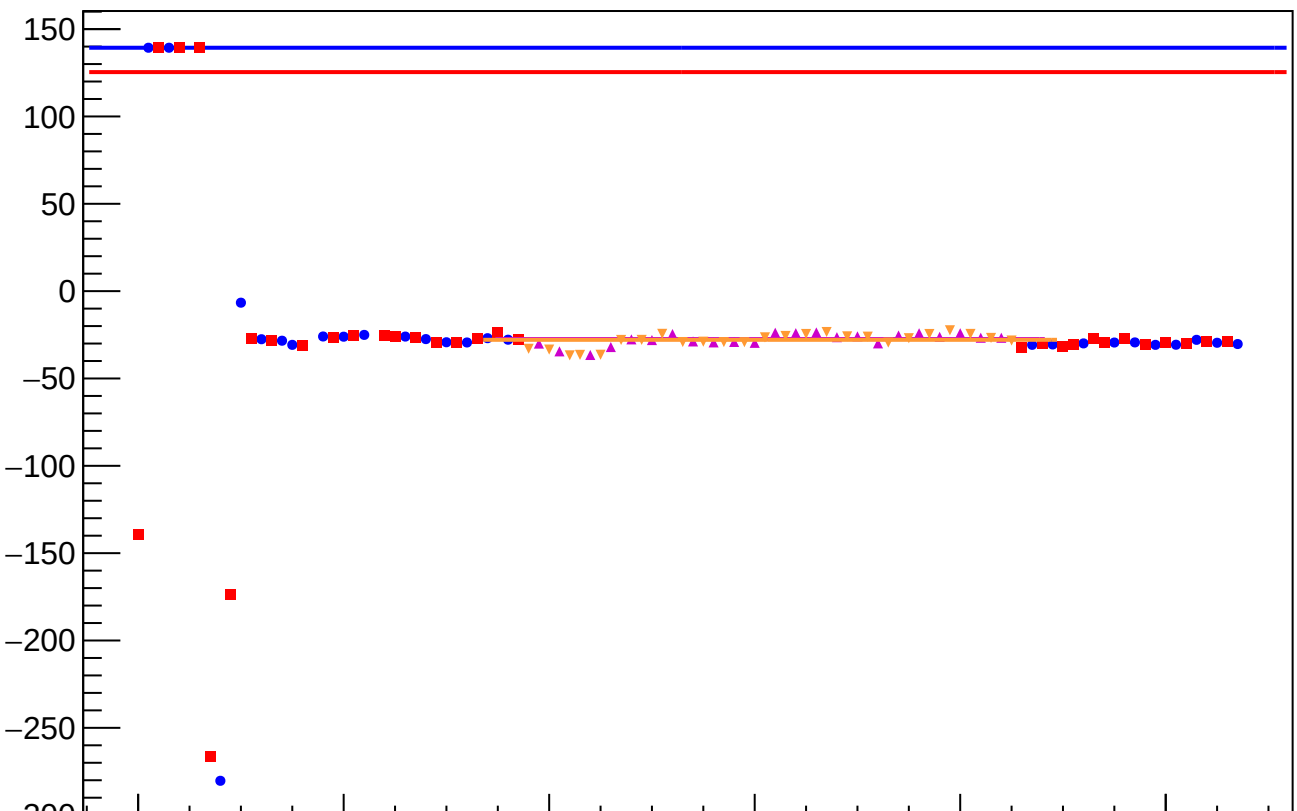
Right: 792.933+/-0.106 χ^2/NDF: 4687575.4/56

In: 872.113+/-0.113 χ^2/NDF:5126529.3/48

Out: 902.591+/-0.112 χ^2/NDF:4977226.7/55

All: 887.359+/-0.080 χ^2/NDF: 10140458.9/10

yield_cav4bX_mean vs Slug, Sign Corrected



Right In: 139.336+/-0.000 χ^2/NDF: 58547203222.6/25

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

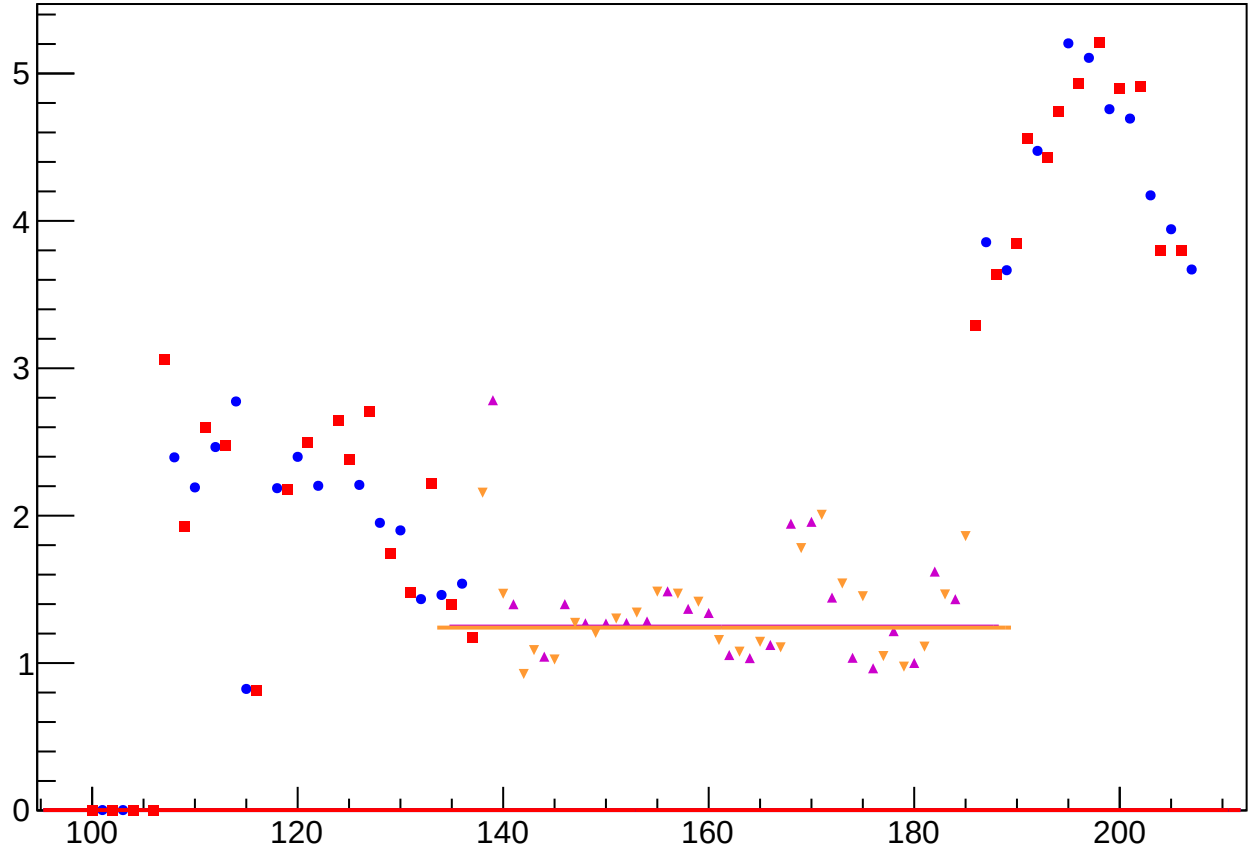
Right: 131.818+/-0.000 χ^2/NDF: 793027879716409

In: 139.328+/-0.000 χ^2/NDF:312945929761.7/48

Out: 125.384+/-0.000 χ^2/NDF:774415255822706.

All: 131.810+/-0.000 χ^2/NDF: 793510292161

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 24570439.1/25

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

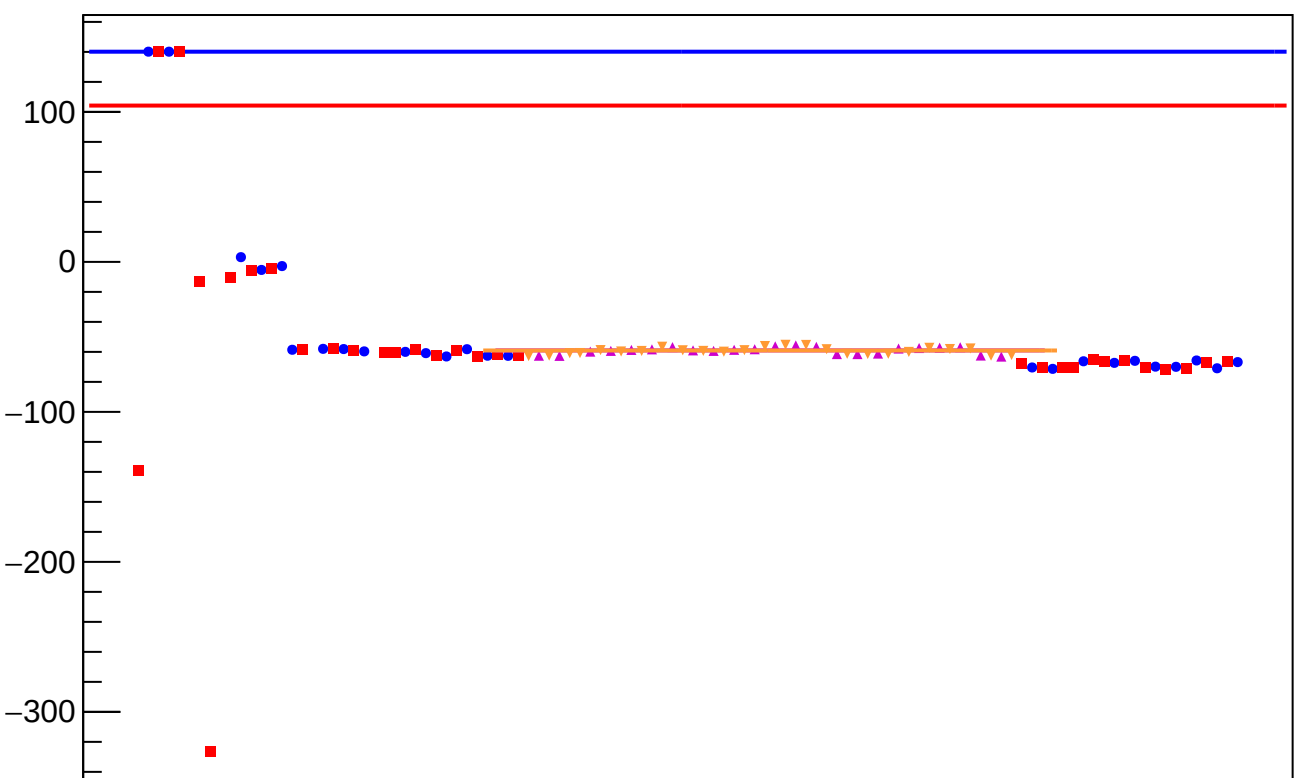
Right: 0.003+/-0.000 χ^2/NDF: 51667342.0/56

In: 0.003+/-0.000 χ^2/NDF:54335766.6/48

Out: 0.003+/-0.000 χ^2/NDF:58396645.1/55

All: 0.003+/-0.000 χ^2/NDF: 112732667.3/104

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.137+/-0.000 χ^2/NDF: 435048619763.7/25

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

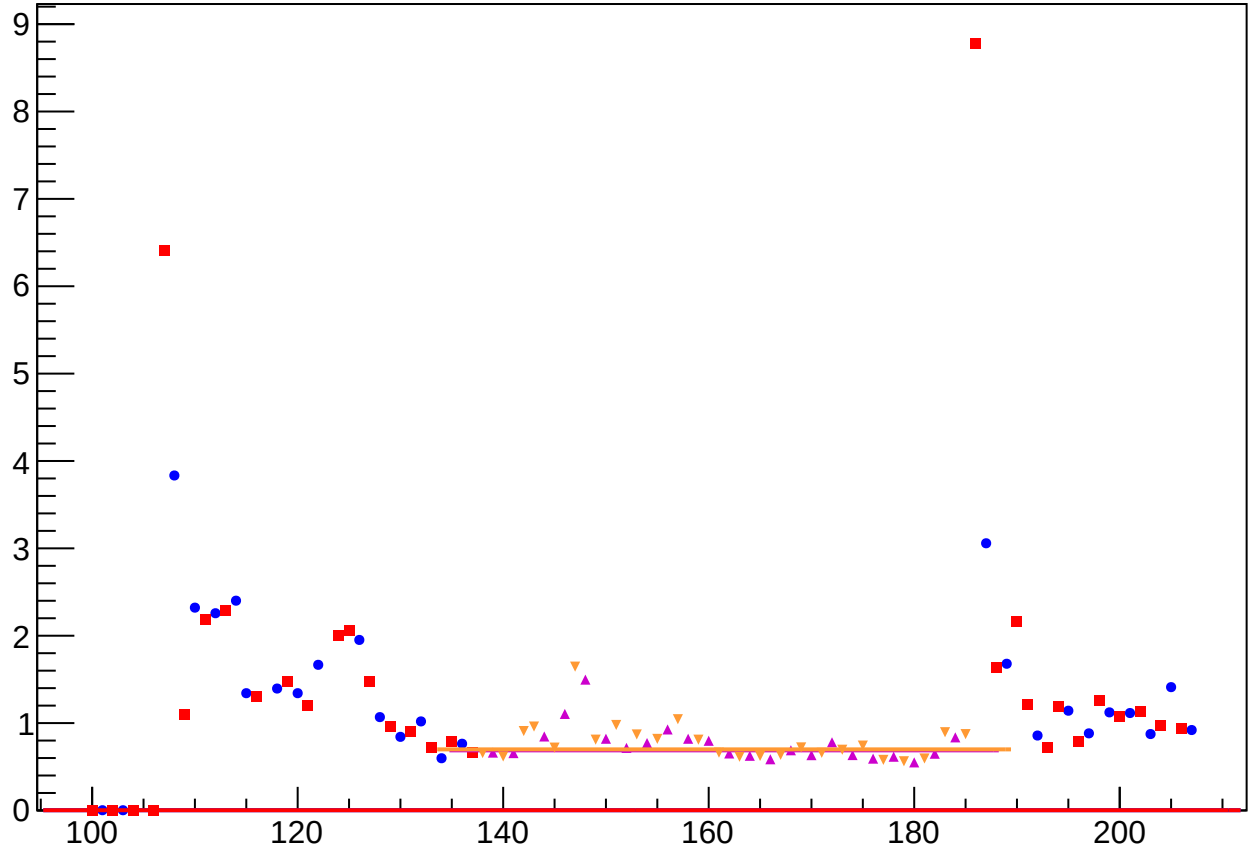
Right: 120.825+/-0.000 χ^2/NDF: 138133707000831

In: 140.101+/-0.000 χ^2/NDF:1710567223893.7/48

Out: 104.193+/-0.000 χ^2/NDF:1258471121945352

All: 120.795+/-0.000 χ^2/NDF: 13834351177

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 22938117.3/25

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

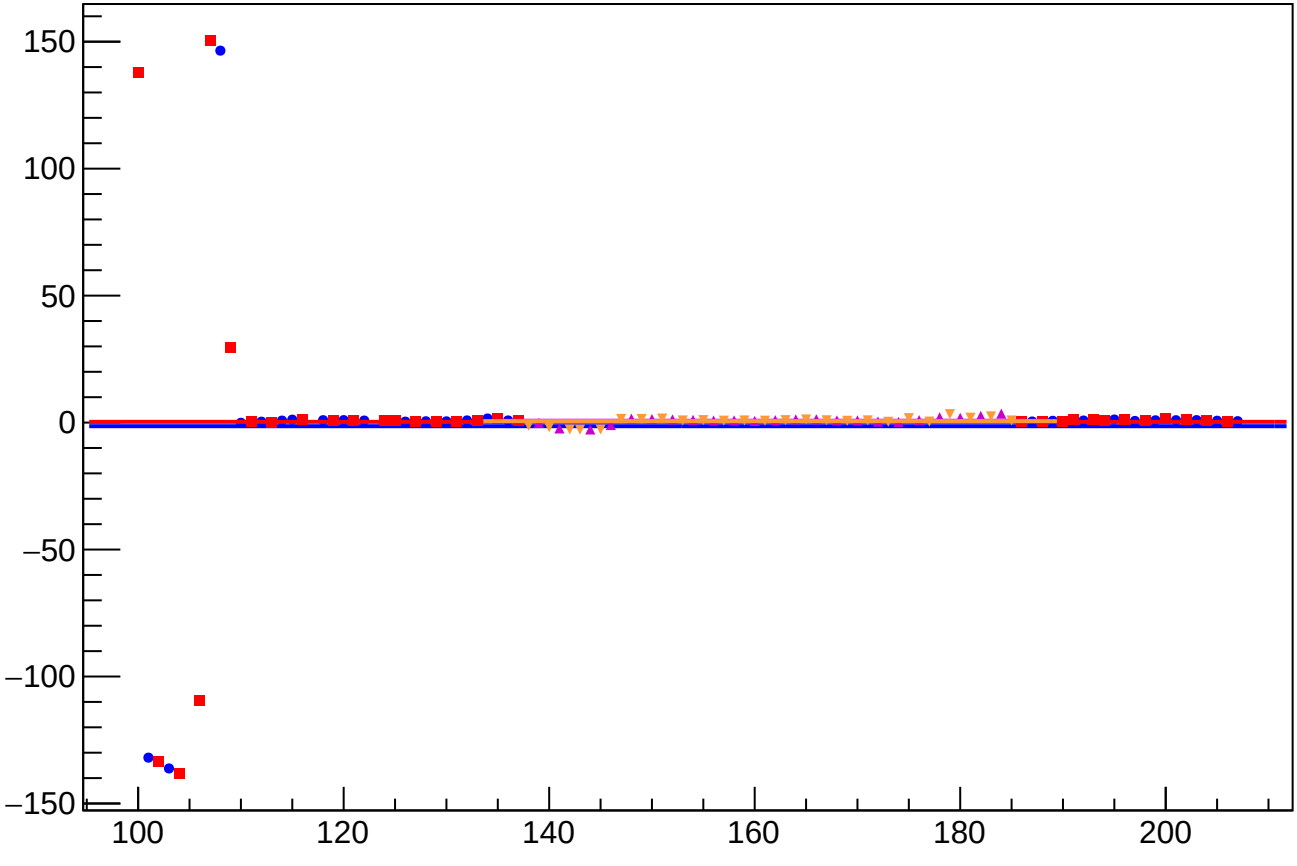
Right: 0.003+/-0.000 χ^2/NDF: 48093562.6/56

In: 0.003+/-0.000 χ^2/NDF:54242136.0/48

Out: 0.003+/-0.000 χ^2/NDF:58210469.0/55

All: 0.003+/-0.000 χ^2/NDF: 112453027.8/104

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.428+/-0.000 χ^2/NDF: 9903655738.0/25

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

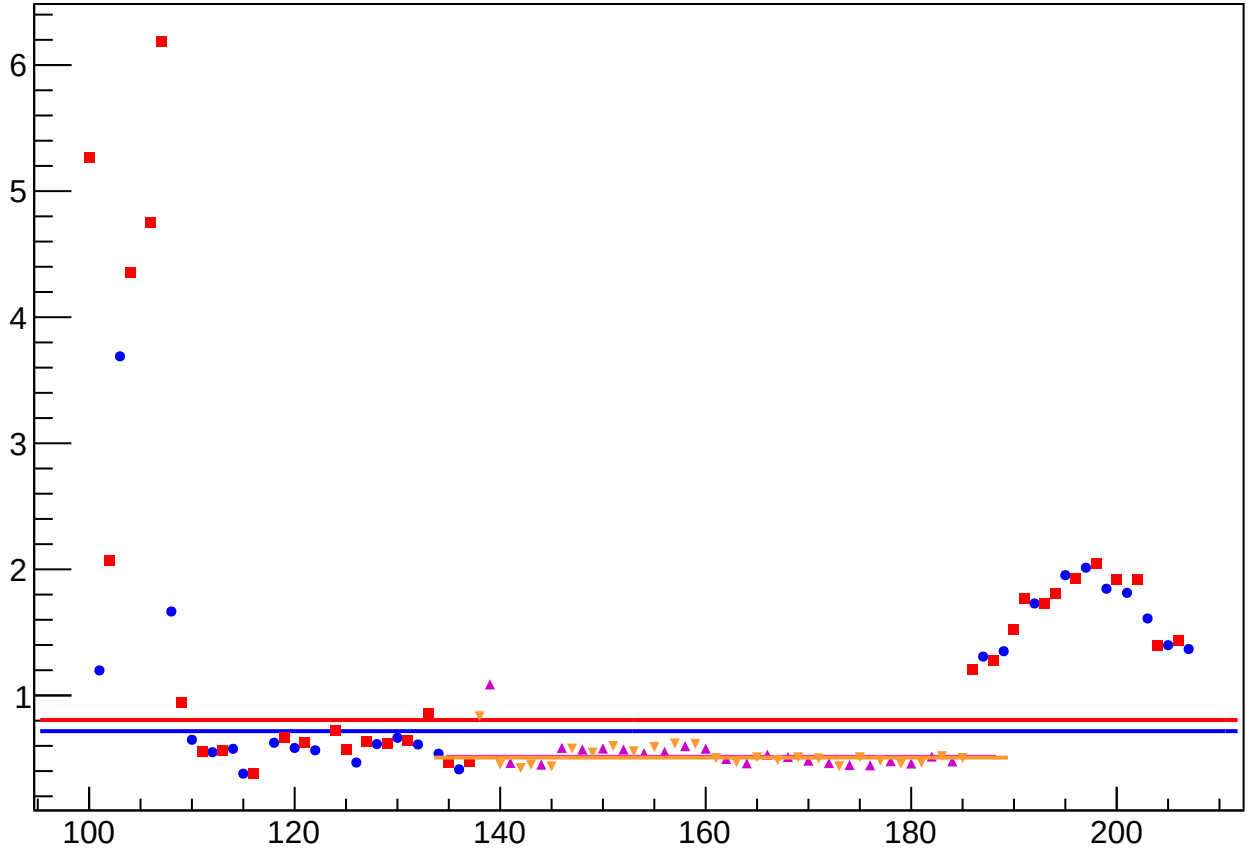
Right: -0.620+/-0.000 χ^2/NDF: 13543020086.5/56

In: 0.186+/-0.000 χ^2/NDF:10074937819.1/48

Out: 0.515+/-0.000 χ^2/NDF:3768304208.4/55

All: 0.353+/-0.000 χ^2/NDF: 13847366905.5/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.717+/-0.000 χ^2/NDF: 7241373.4/25

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

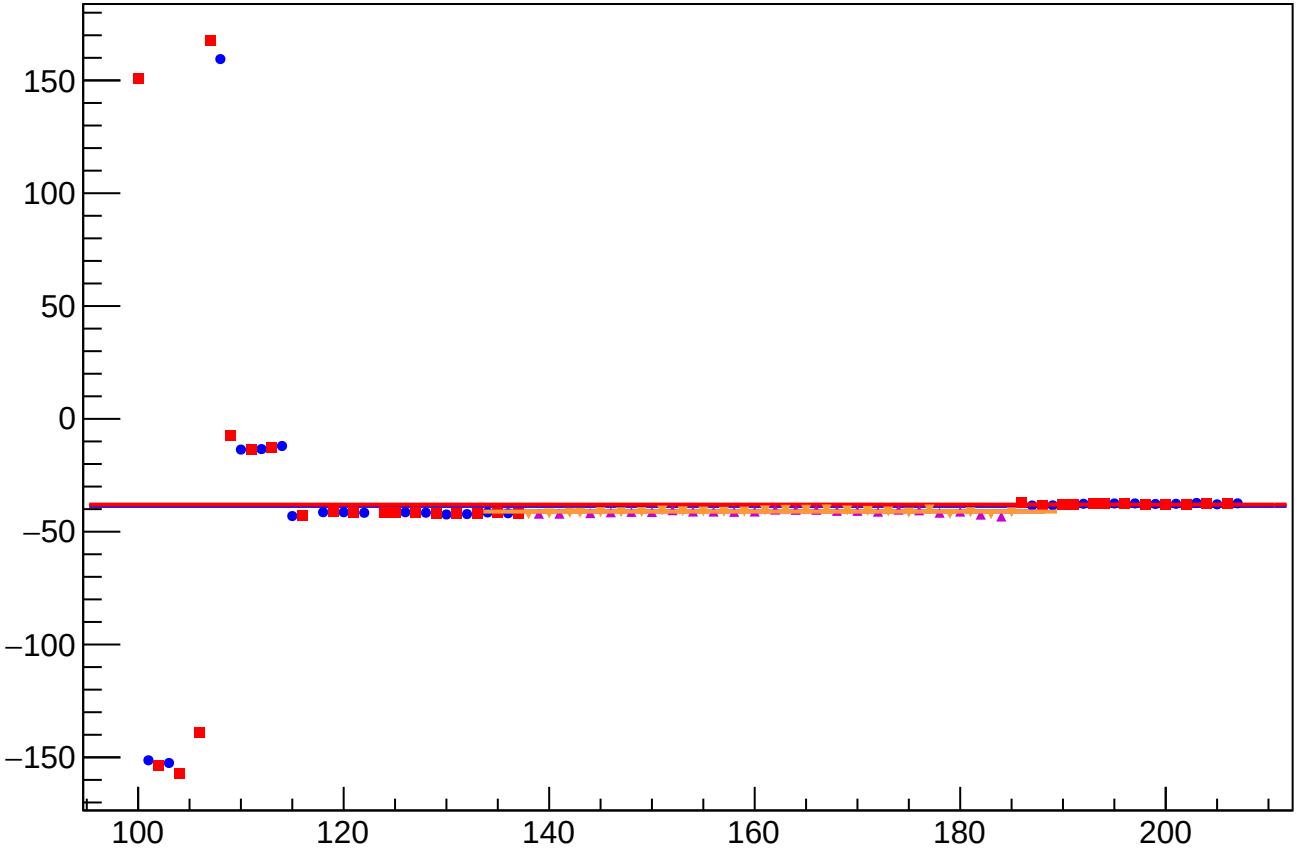
Right: 0.758+/-0.000 χ^2/NDF: 15495509.0/56

In: 0.564+/-0.000 χ^2/NDF:9173329.6/48

Out: 0.571+/-0.000 χ^2/NDF:11000238.6/55

All: 0.568+/-0.000 χ^2/NDF: 20177189.2/104

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.552+/-0.000 χ^2/NDF: 3605151906.5/25

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

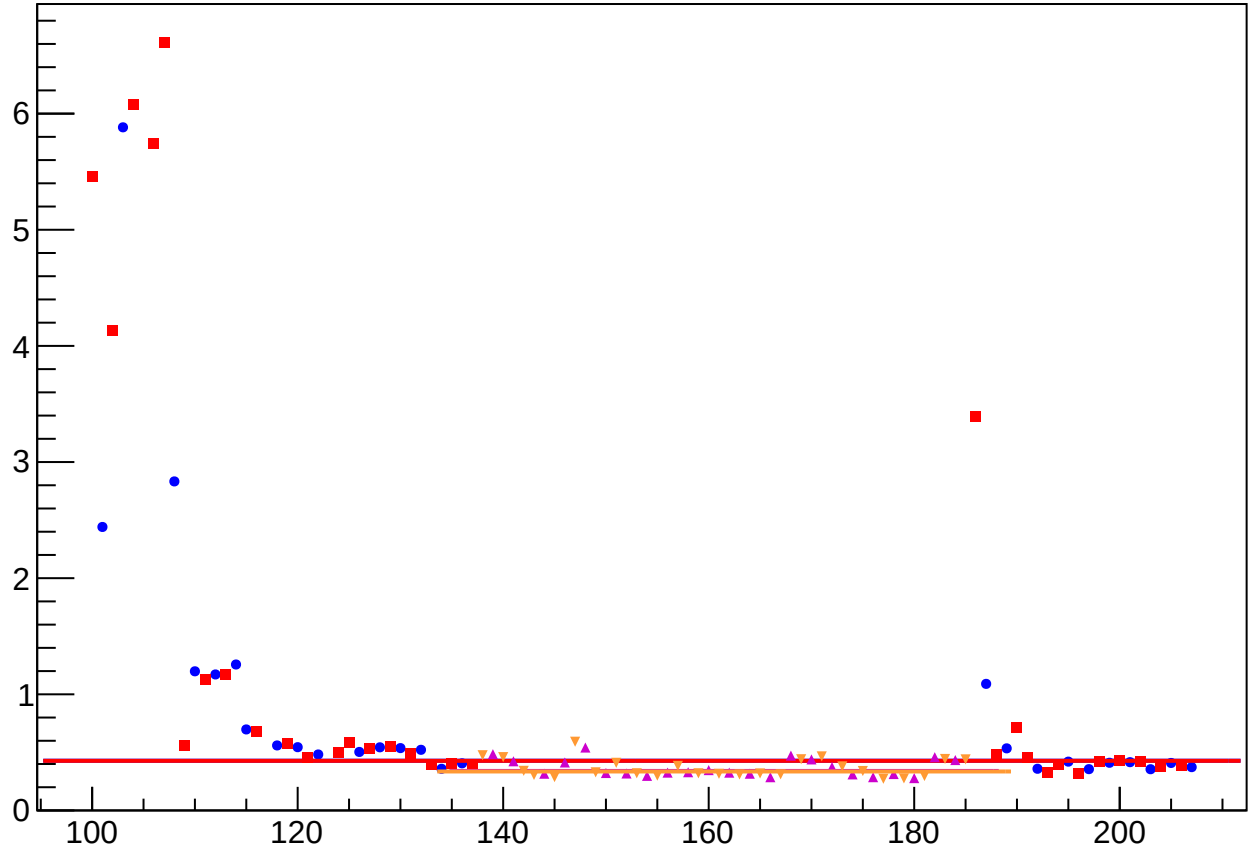
Right: -38.269+/-0.000 χ^2/NDF: 6128108433.3/56

In: -40.266+/-0.000 χ^2/NDF:3931024043.4/48

Out: -40.148+/-0.000 χ^2/NDF:3032023922.3/55

All: -40.205+/-0.000 χ^2/NDF: 6964549896.4/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.428+/-0.000 χ^2/NDF: 3688500.7/25

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

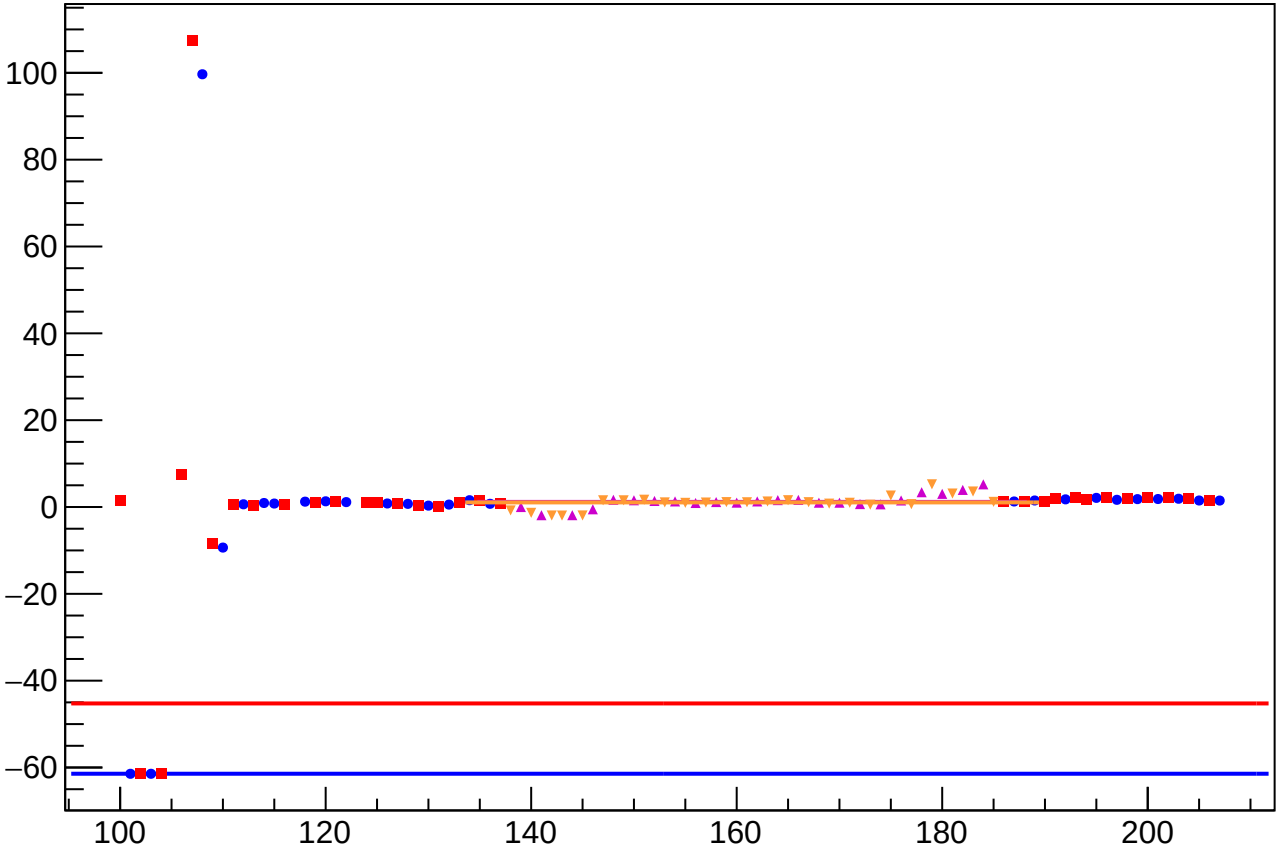
Right: 0.428+/-0.000 χ^2/NDF: 8365484.4/56

In: 0.367+/-0.000 χ^2/NDF:5448745.3/48

Out: 0.364+/-0.000 χ^2/NDF:6722982.0/55

All: 0.365+/-0.000 χ^2/NDF: 12174789.3/104

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 288572669865.8/25

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

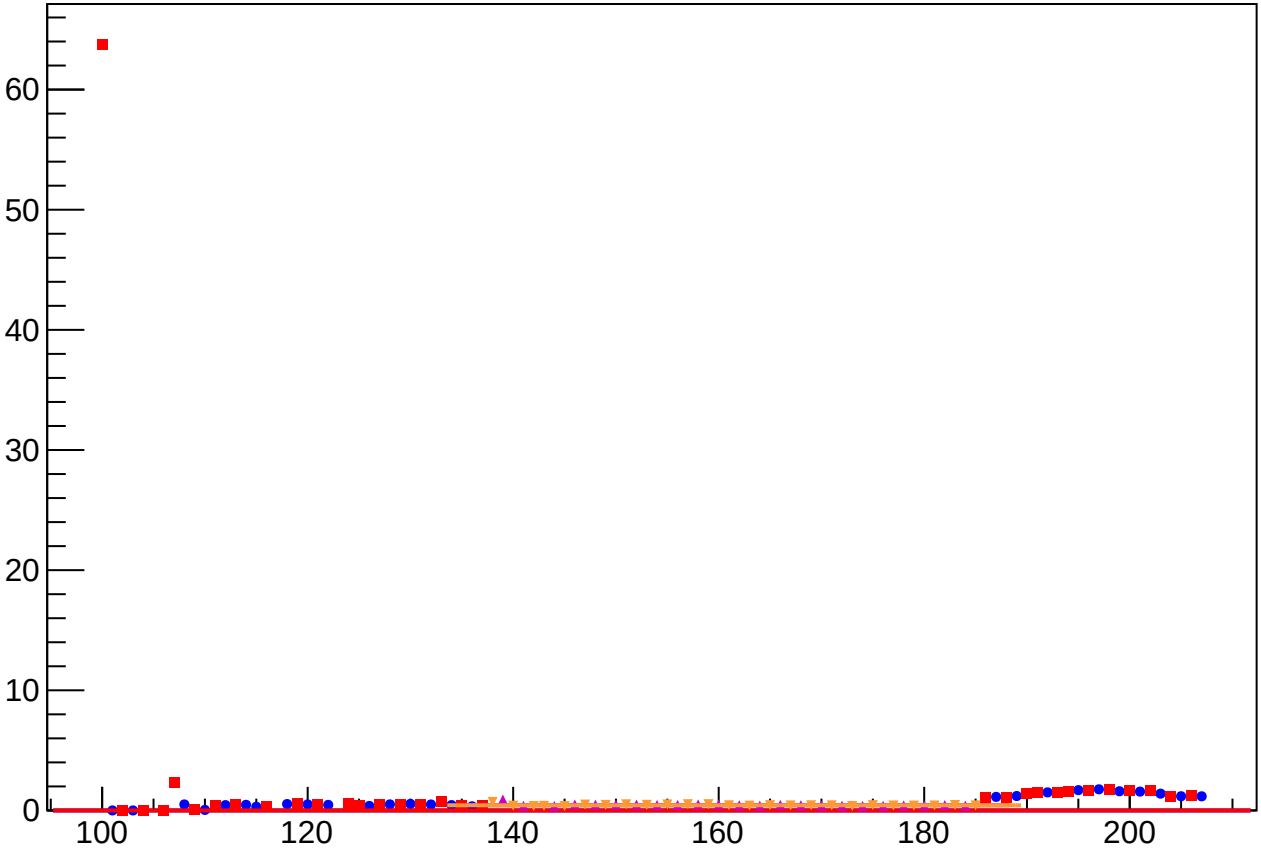
Right: -52.749+/-0.000 χ^2/NDF: 409146283154100

In: -61.422+/-0.000 χ^2/NDF:591433315410.4/48

Out: -45.235+/-0.000 χ^2/NDF:358061386762378.9

All: -52.737+/-0.000 χ^2/NDF: 409615690092

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 24141371.9/25

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

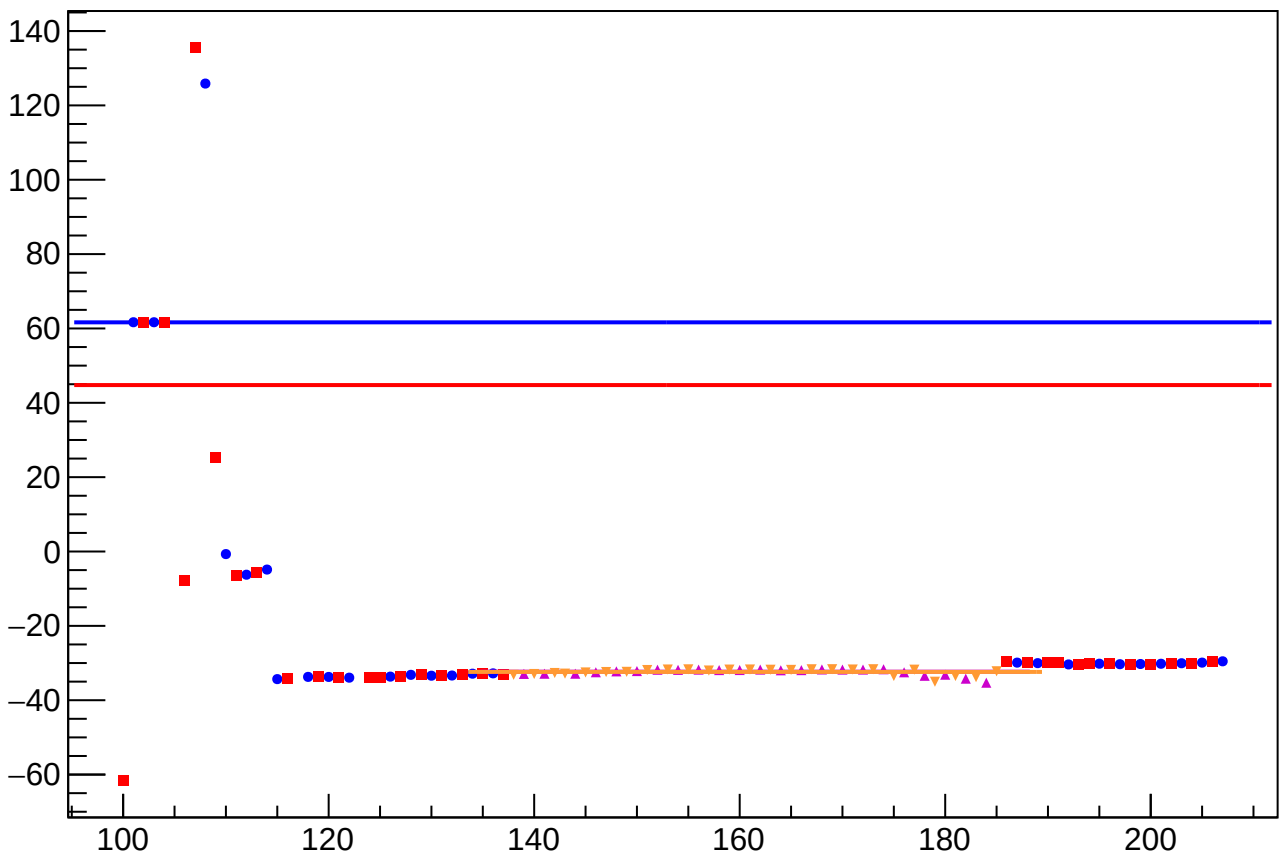
Right: 0.001+/-0.000 χ^2/NDF: 50839805.4/56

In: 0.002+/-0.000 χ^2/NDF:54281574.9/48

Out: 0.002+/-0.000 χ^2/NDF:58463413.4/55

All: 0.002+/-0.000 χ^2/NDF: 112745018.6/104

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.644+/-0.000 χ^2/NDF: 936607646552.2/25

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

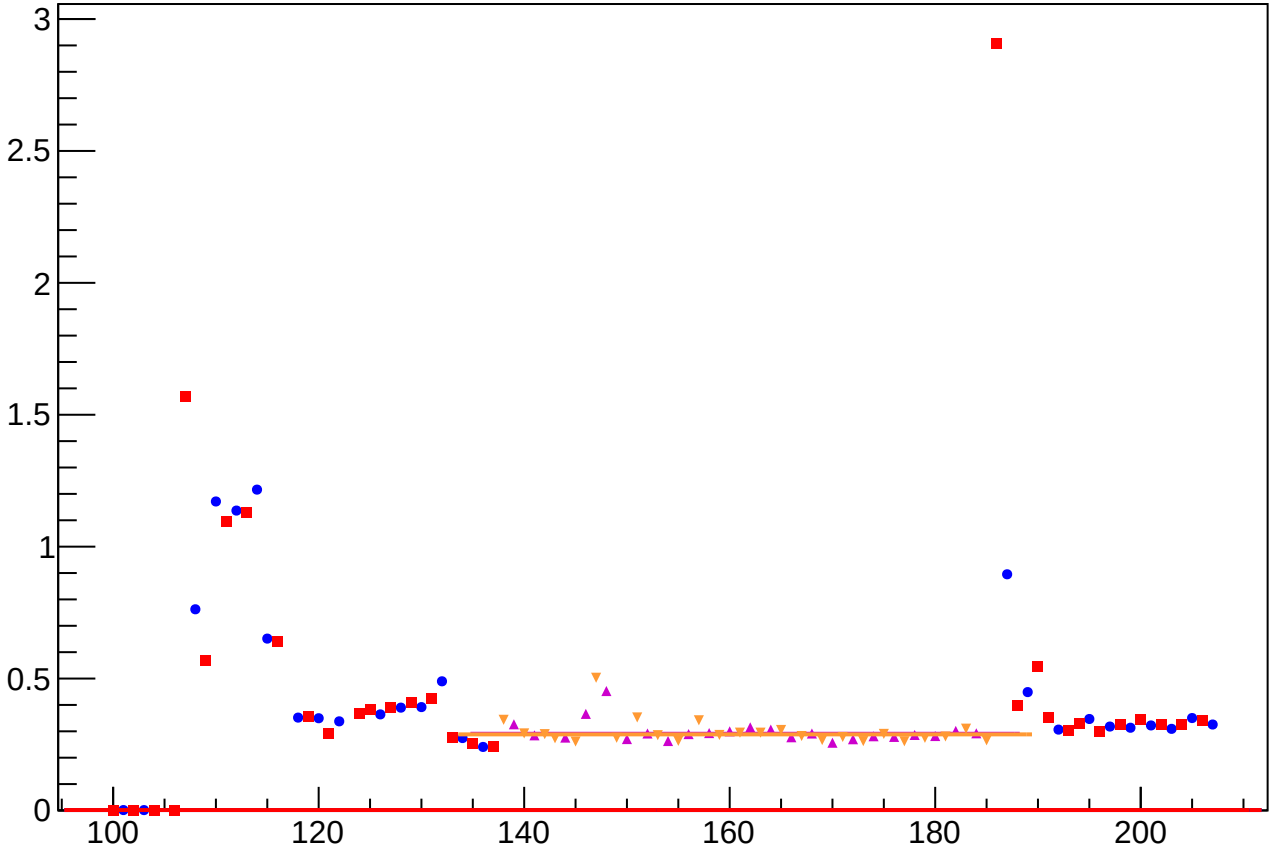
Right: 52.672+/-0.000 χ^2/NDF: 418531634844751.

In: 61.586+/-0.000 χ^2/NDF:2759775864107.9/48

Out: 44.727+/-0.000 χ^2/NDF:367823531550333.8

All: 52.622+/-0.000 χ^2/NDF: 4216251720999

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 25704663.2/25

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

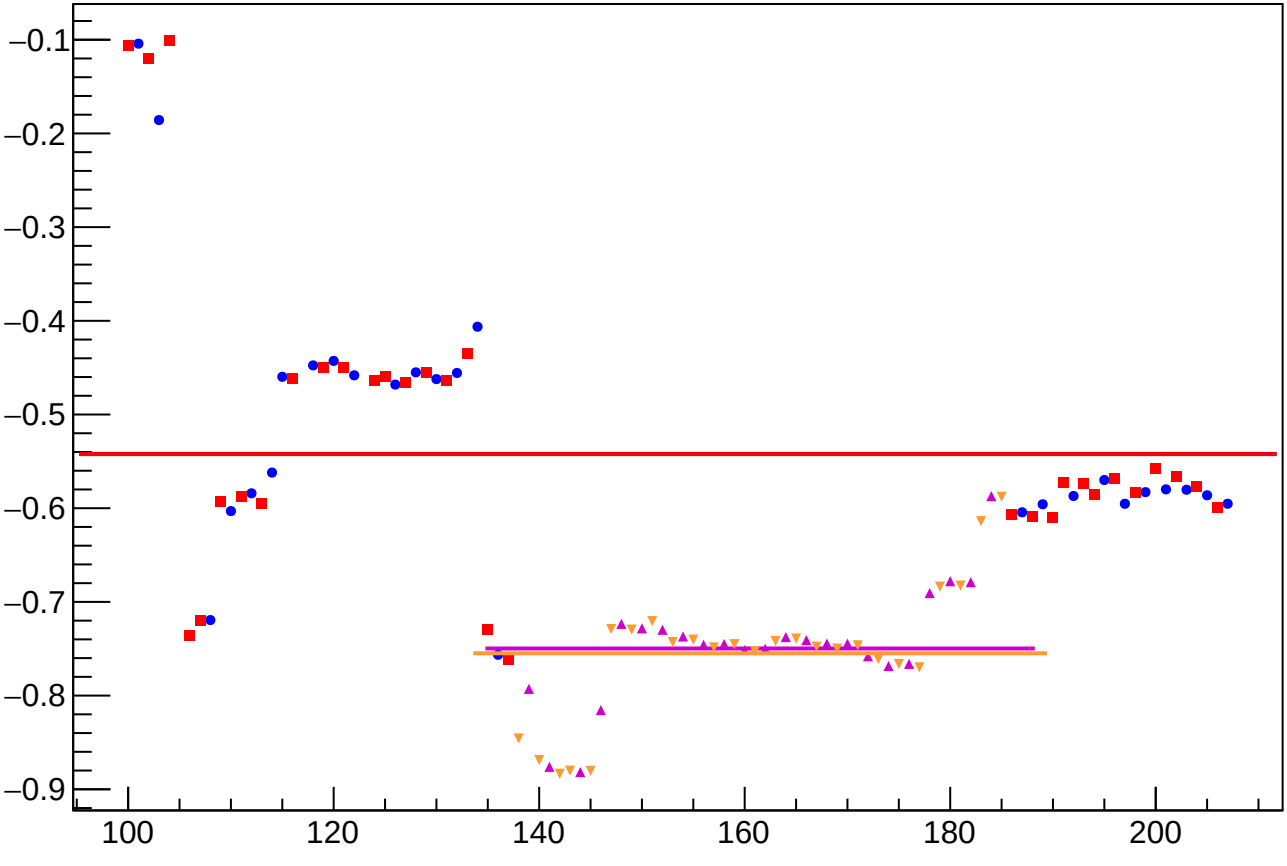
Right: 0.002+/-0.000 χ^2/NDF: 53332265.2/56

In: 0.002+/-0.000 χ^2/NDF:60599443.8/48

Out: 0.002+/-0.000 χ^2/NDF:64572721.0/55

All: 0.002+/-0.000 χ^2/NDF: 125172178.3/104

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.542+/-0.000 χ^2/NDF: 305262711.3/25

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

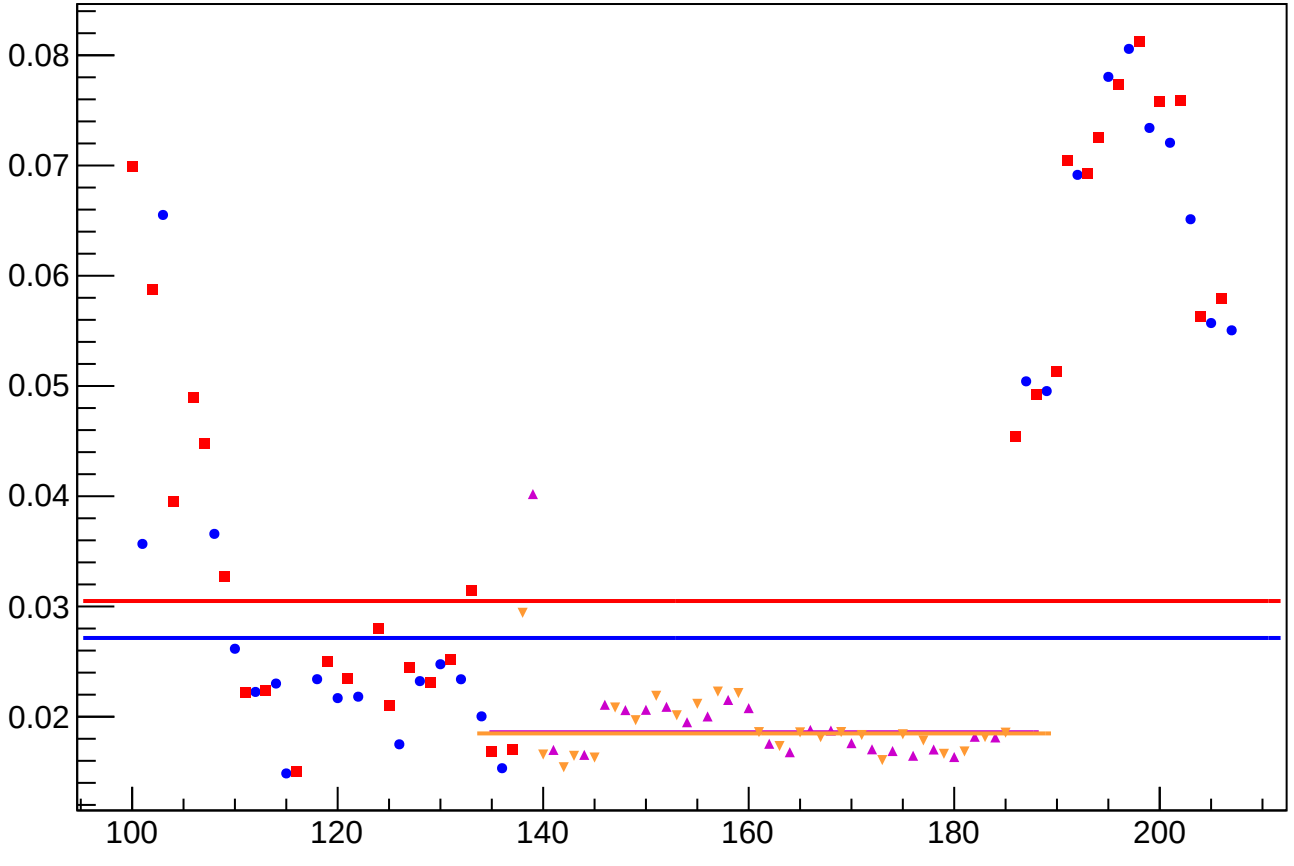
Right: -0.542+/-0.000 χ^2/NDF: 525543486.6/56

In: -0.700+/-0.000 χ^2/NDF:886244935.0/48

Out: -0.710+/-0.000 χ^2/NDF:867302755.9/55

All: -0.705+/-0.000 χ^2/NDF: 1756605528.4/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 7095471.5/25

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

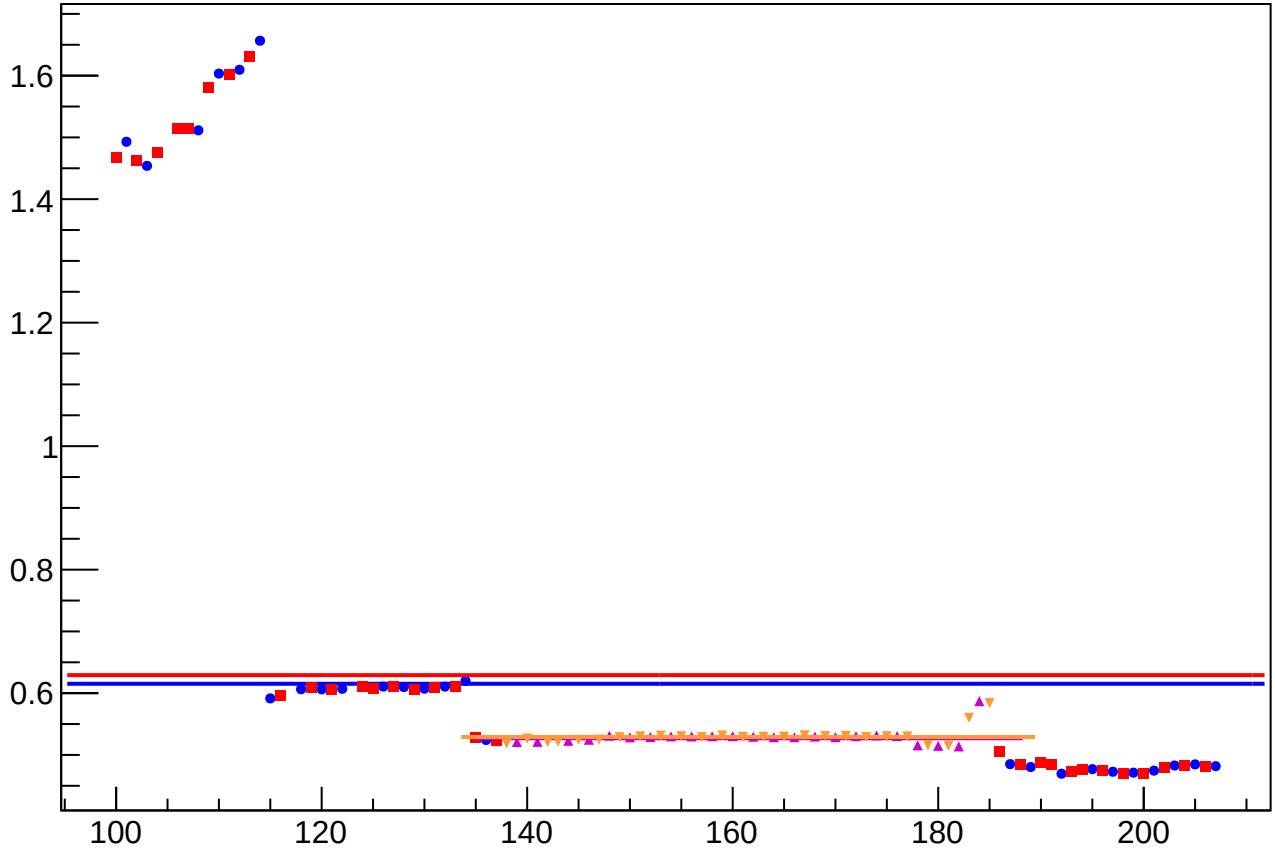
Right: 0.029+/-0.000 χ^2/NDF: 14419231.7/56

In: 0.021+/-0.000 χ^2/NDF:9326333.9/48

Out: 0.021+/-0.000 χ^2/NDF:10444192.3/55

All: 0.021+/-0.000 χ^2/NDF: 19777918.8/104

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.615+/-0.000 χ^2/NDF: 5580736015.0/25

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

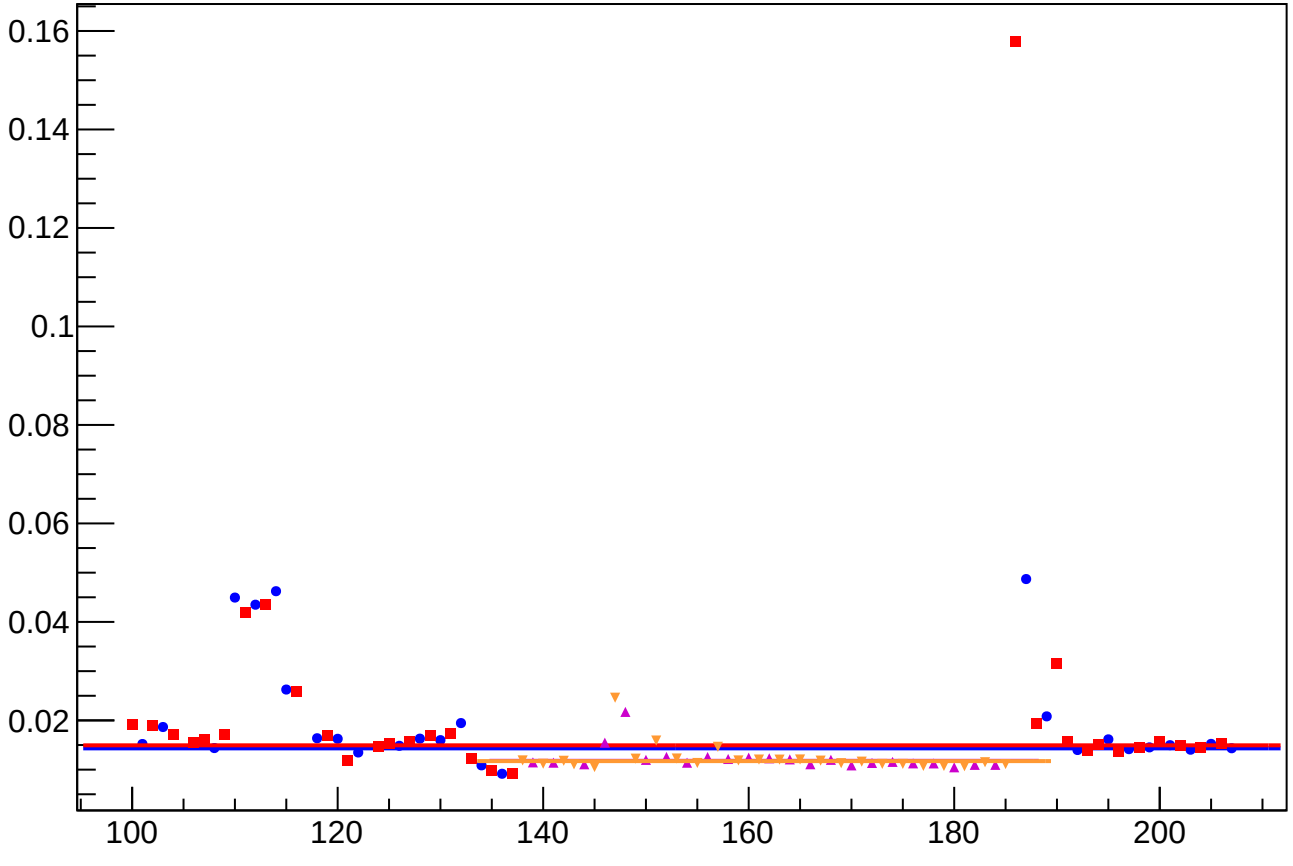
Right: 0.622+/-0.000 χ^2/NDF: 12132635258.5/56

In: 0.557+/-0.000 χ^2/NDF:5925120327.6/48

Out: 0.561+/-0.000 χ^2/NDF:6998434326.9/55

All: 0.559+/-0.000 χ^2/NDF: 12925763862.2/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1969588.3/25

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

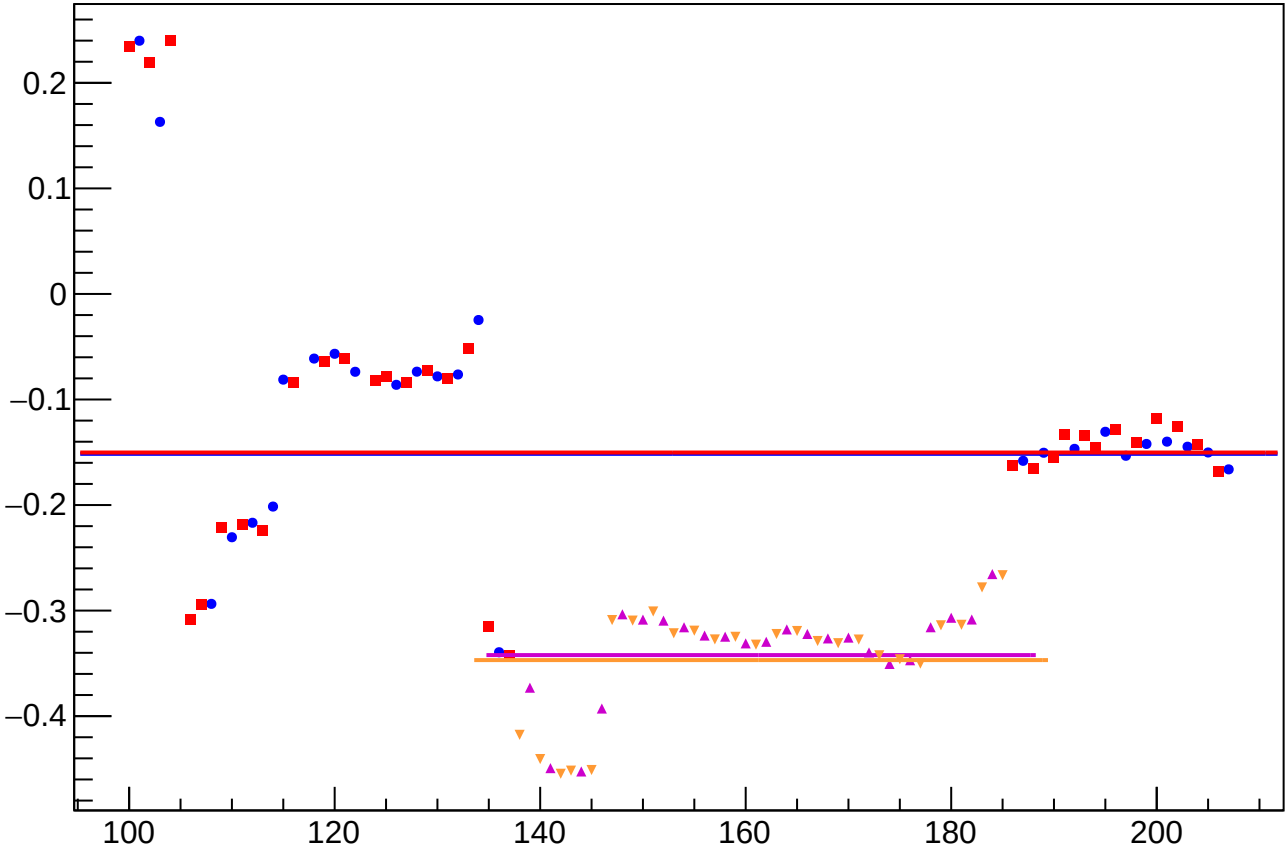
Right: 0.015+/-0.000 χ^2/NDF: 4379092.3/56

In: 0.013+/-0.000 χ^2/NDF:3035084.2/48

Out: 0.013+/-0.000 χ^2/NDF:3979227.2/55

All: 0.013+/-0.000 χ^2/NDF: 7017494.1/104

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF: 276983407.7/25

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

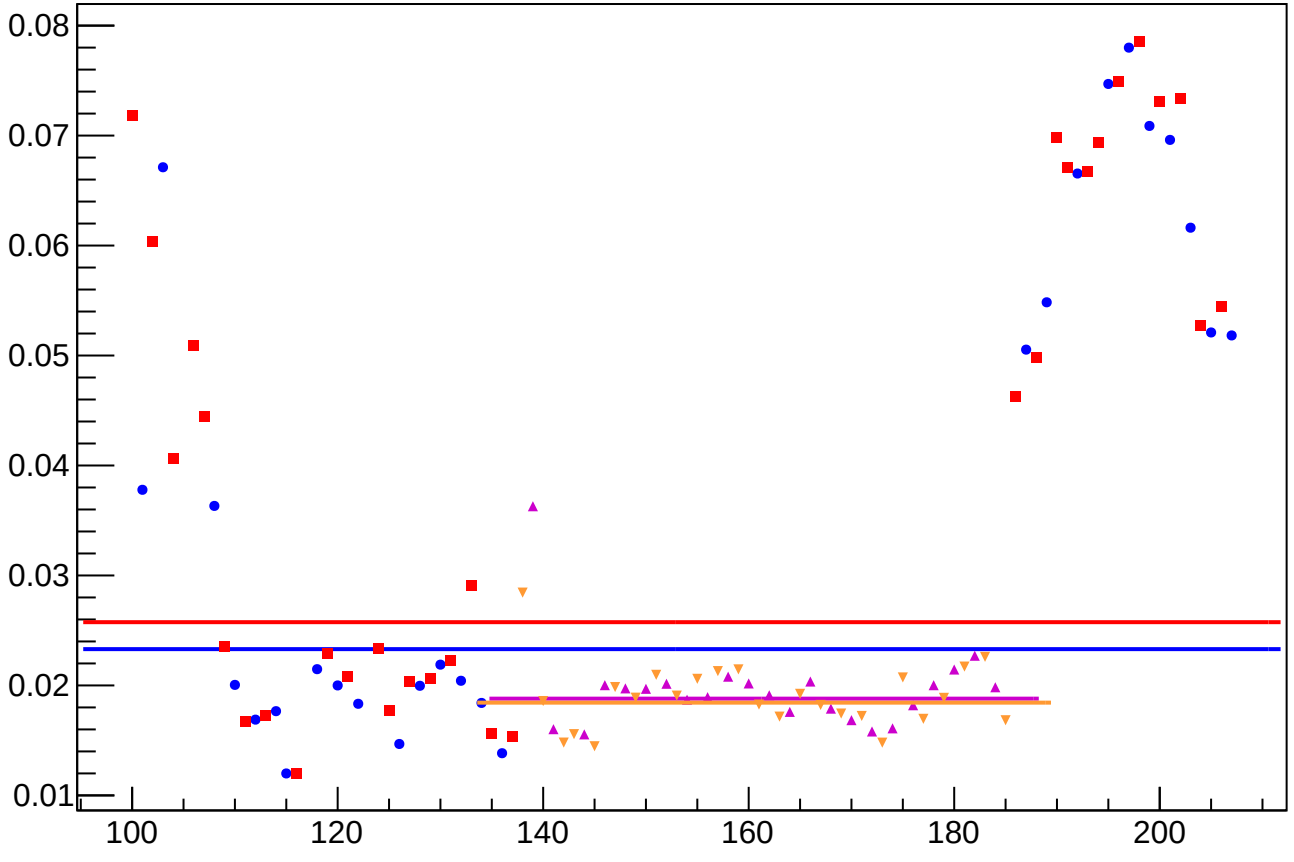
Right: -0.151+/-0.000 χ^2/NDF: 477050996.6/56

In: -0.287+/-0.000 χ^2/NDF:812787305.3/48

Out: -0.297+/-0.000 χ^2/NDF:785940016.6/55

All: -0.292+/-0.000 χ^2/NDF: 1601716909.2/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 8104392.4/25

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

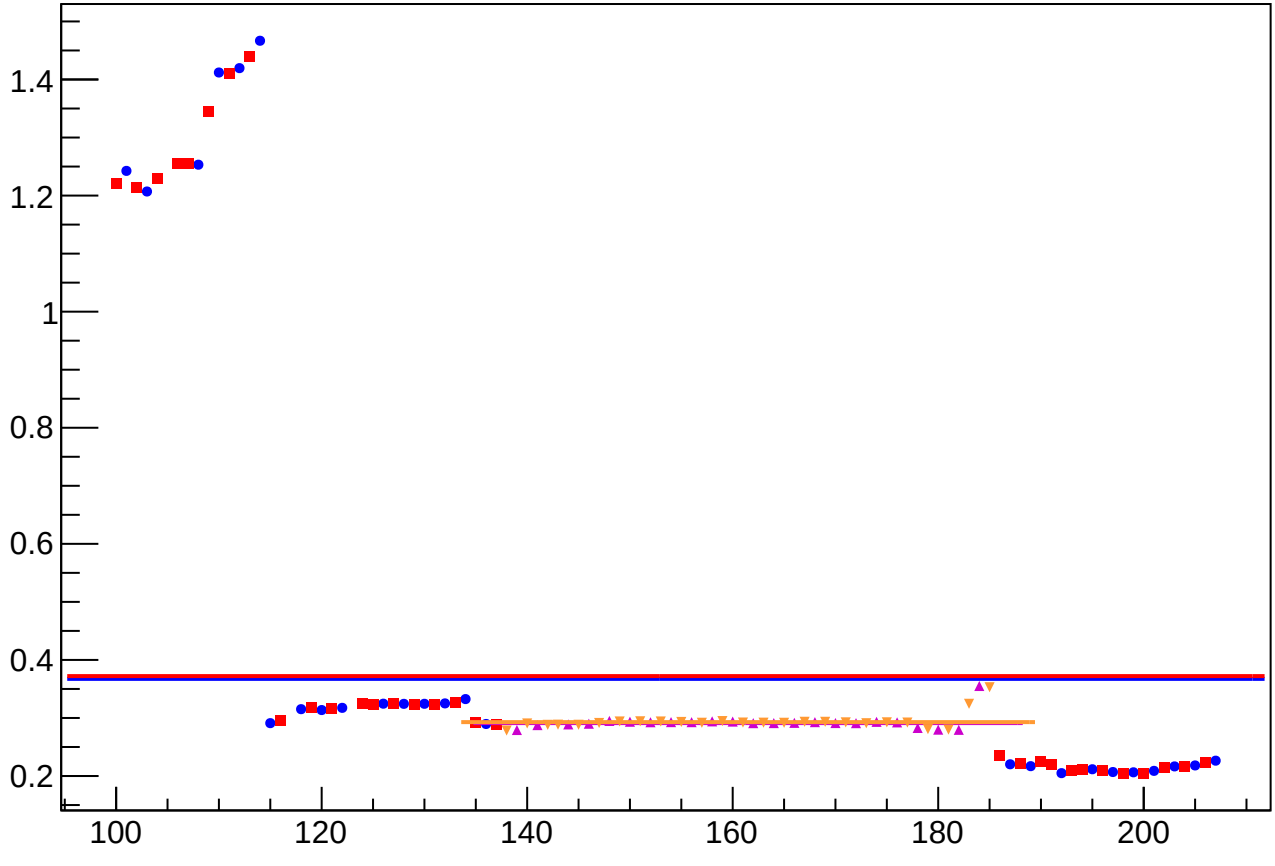
Right: 0.024+/-0.000 χ^2/NDF: 16867827.4/56

In: 0.020+/-0.000 χ^2/NDF:9322478.2/48

Out: 0.020+/-0.000 χ^2/NDF:10576893.5/55

All: 0.020+/-0.000 χ^2/NDF: 19901734.7/104

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.367+/-0.000 χ^2/NDF: 8254635682.4/25

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

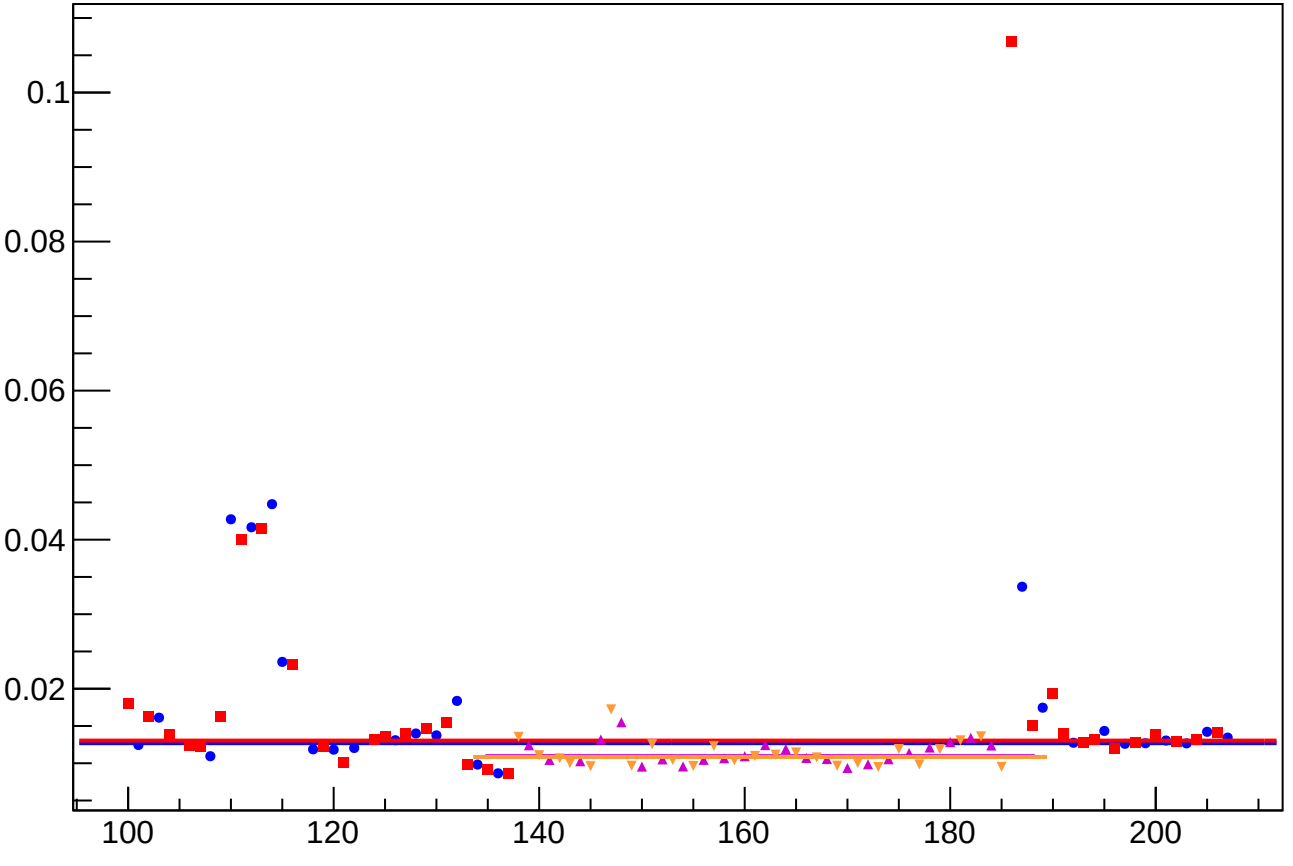
Right: 0.370+/-0.000 χ^2/NDF: 17493225436.4/56

In: 0.319+/-0.000 χ^2/NDF:8568787431.3/48

Out: 0.321+/-0.000 χ^2/NDF:9599115342.5/55

All: 0.320+/-0.000 χ^2/NDF: 18168354561.3/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1792951.9/25

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

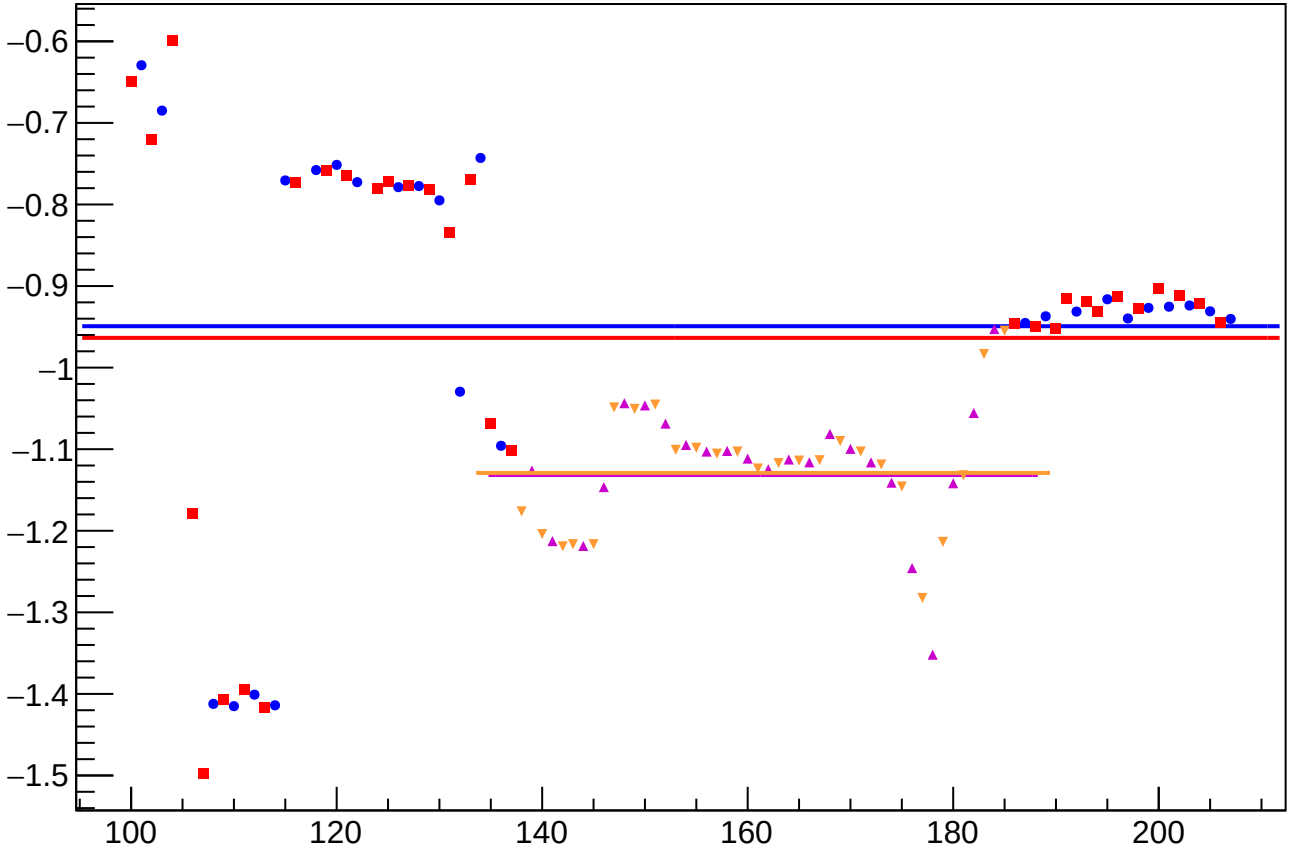
Right: 0.013+/-0.000 χ^2/NDF: 3980051.2/56

In: 0.012+/-0.000 χ^2/NDF:2622375.0/48

Out: 0.012+/-0.000 χ^2/NDF:3358816.1/55

All: 0.012+/-0.000 χ^2/NDF: 5981395.7/104

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.949+/-0.000 χ^2/NDF: 700263000.1/25

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

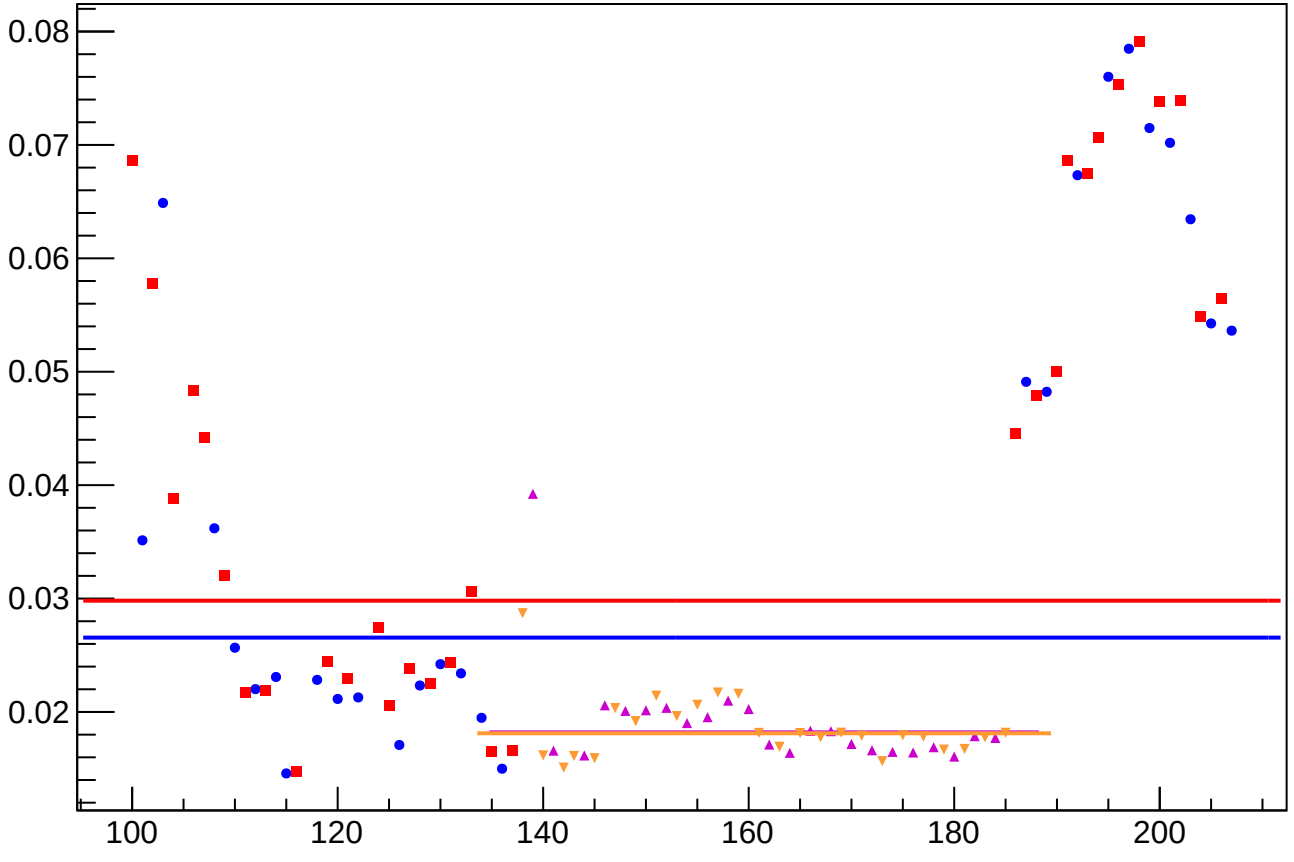
Right: -0.956+/-0.000 χ^2/NDF: 1419593655.2/56

In: -1.088+/-0.000 χ^2/NDF:1315284378.1/48

Out: -1.094+/-0.000 χ^2/NDF:1231309720.5/55

All: -1.091+/-0.000 χ^2/NDF: 2547796494.0/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 7077700.2/25

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

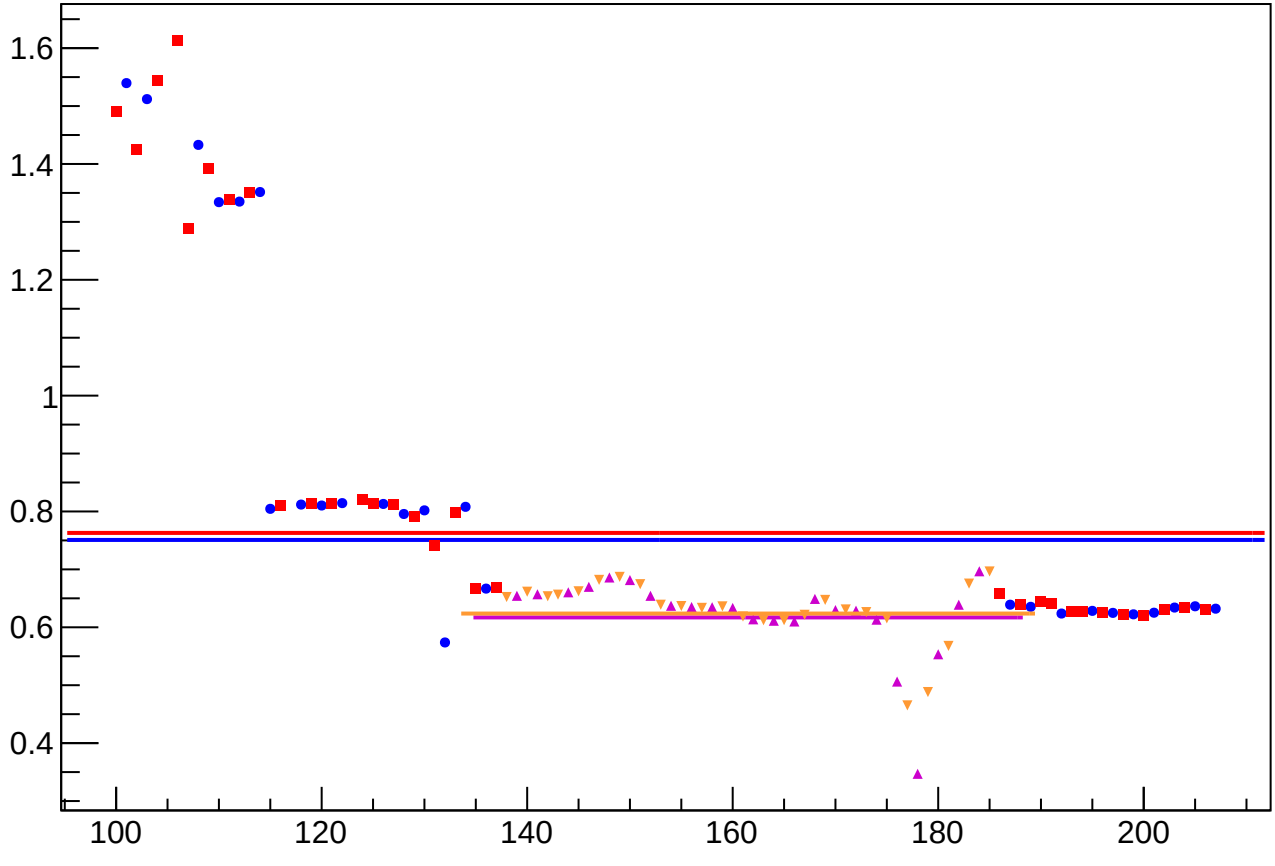
Right: 0.028+/-0.000 χ^2/NDF: 14376913.8/56

In: 0.020+/-0.000 χ^2/NDF:9291117.1/48

Out: 0.021+/-0.000 χ^2/NDF:10376212.0/55

All: 0.020+/-0.000 χ^2/NDF: 19675756.5/104

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.751+/-0.000 χ^2/NDF: 3811648205.4/25

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

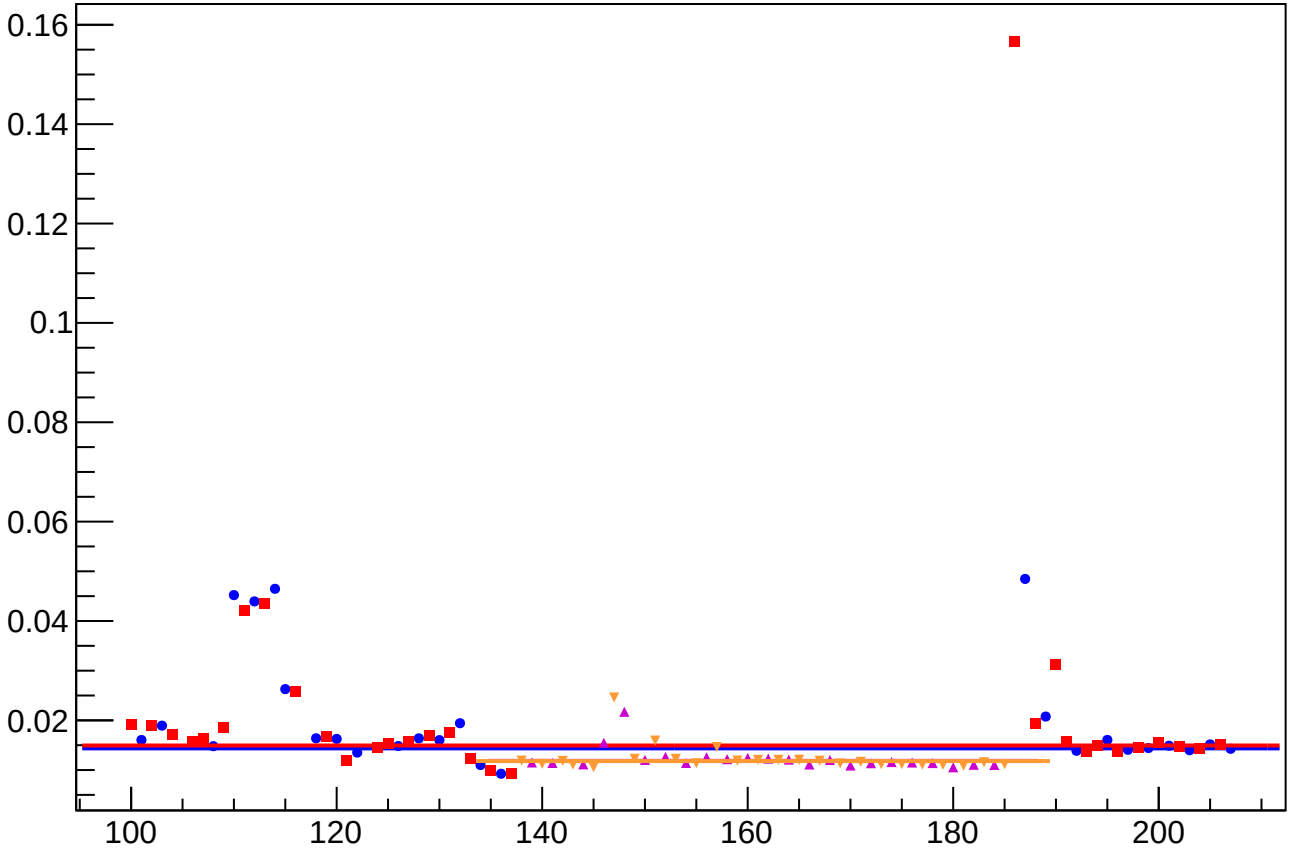
Right: 0.757+/-0.000 χ^2/NDF: 7994084584.5/56

In: 0.662+/-0.000 χ^2/NDF:5213902508.1/48

Out: 0.669+/-0.000 χ^2/NDF:5417171845.7/55

All: 0.666+/-0.000 χ^2/NDF: 10635711201.1/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1952662.6/25

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

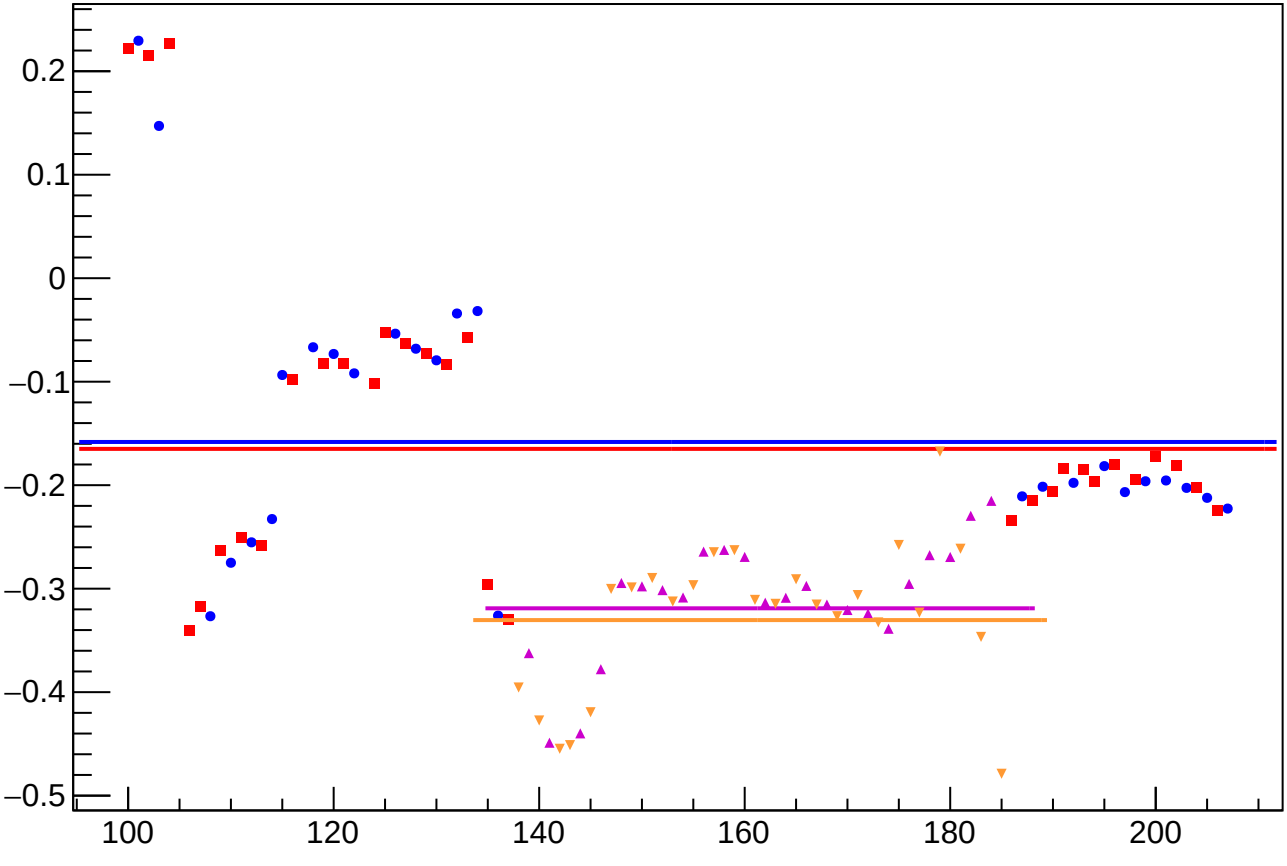
Right: 0.015+/-0.000 χ^2/NDF: 4363792.1/56

In: 0.013+/-0.000 χ^2/NDF:2996373.2/48

Out: 0.013+/-0.000 χ^2/NDF:3913161.9/55

All: 0.013+/-0.000 χ^2/NDF: 6913030.1/104

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.158+/-0.000 χ^2/NDF: 279053094.5/25

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

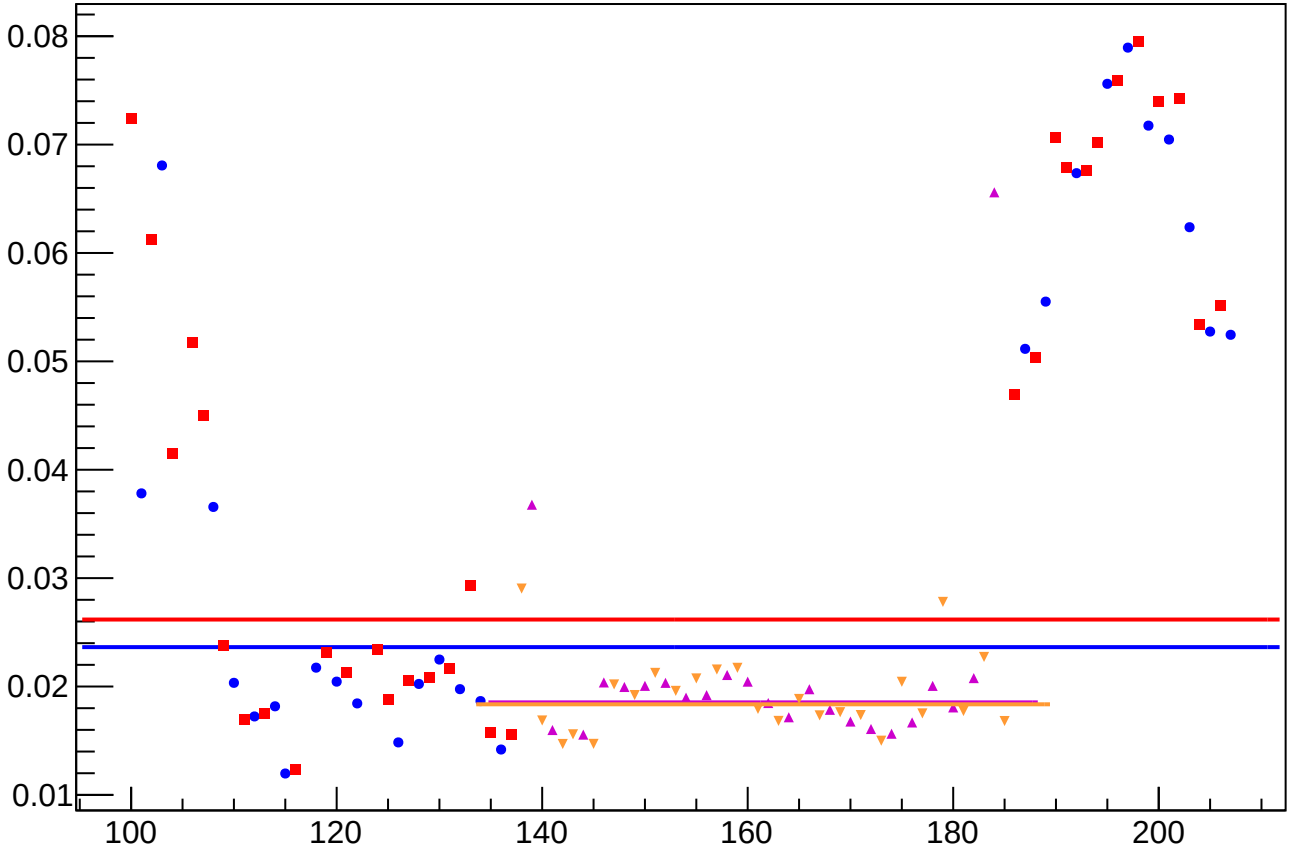
Right: -0.161+/-0.000 χ^2/NDF: 479360515.4/56

In: -0.273+/-0.000 χ^2/NDF:721470783.5/48

Out: -0.289+/-0.000 χ^2/NDF:698820987.7/55

All: -0.281+/-0.000 χ^2/NDF: 1427335211.7/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.024+/-0.000 χ^2/NDF: 8067772.6/25

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

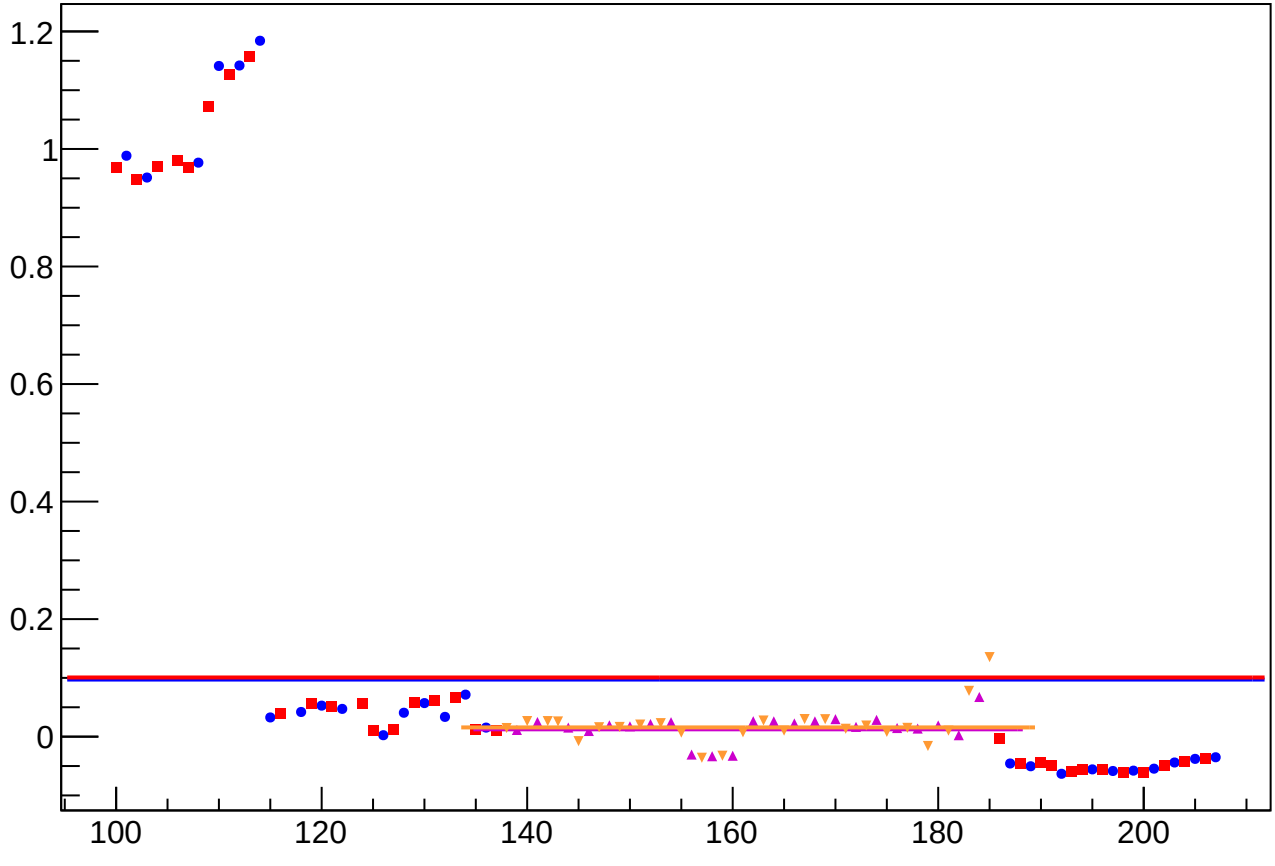
Right: 0.025+/-0.000 χ^2/NDF: 16785378.4/56

In: 0.020+/-0.000 χ^2/NDF:9628821.6/48

Out: 0.020+/-0.000 χ^2/NDF:10763553.9/55

All: 0.020+/-0.000 χ^2/NDF: 20399709.5/104

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.097+/-0.000 χ^2/NDF: 8303806870.3/25

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

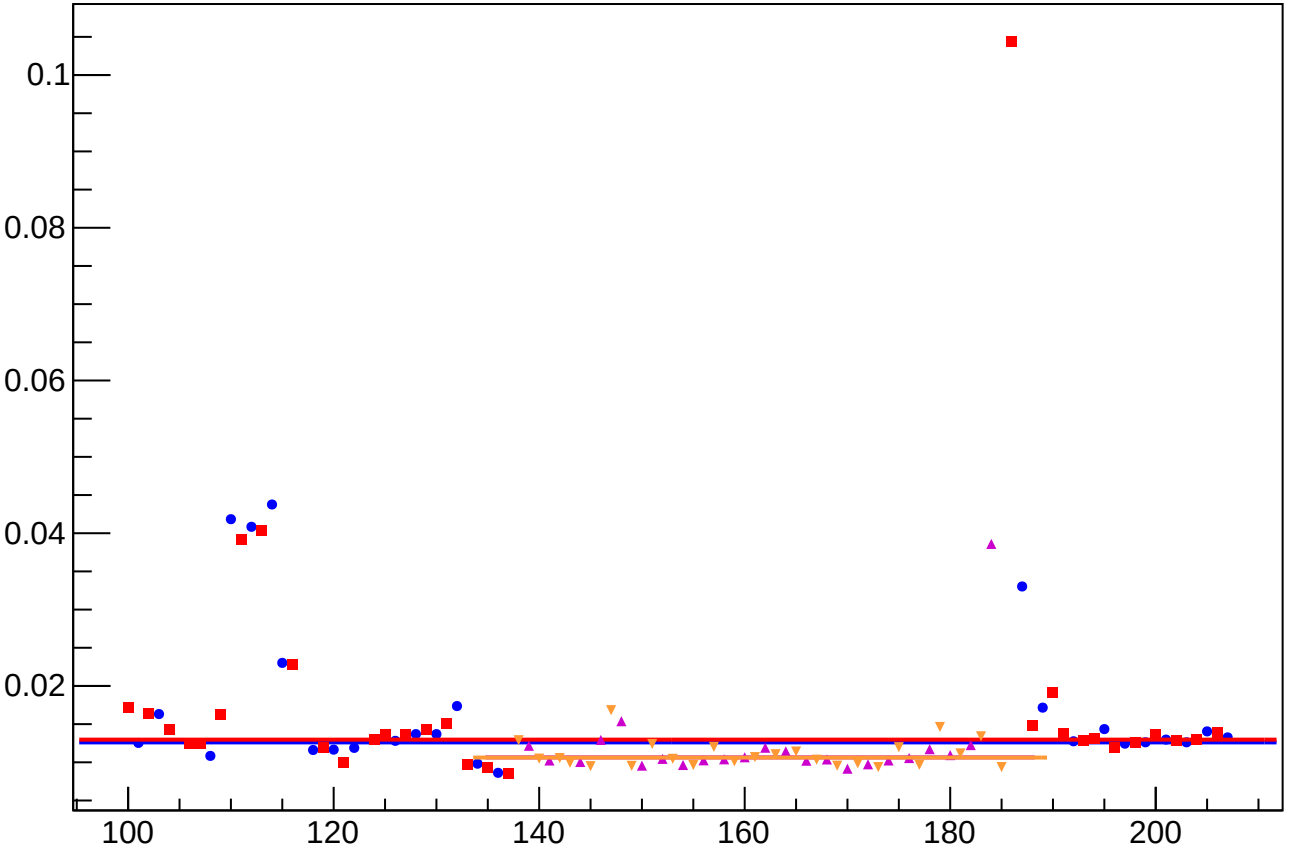
Right: 0.099+/-0.000 χ^2/NDF: 17411347902.0/56

In: 0.043+/-0.000 χ^2/NDF:8746687550.5/48

Out: 0.046+/-0.000 χ^2/NDF:9611936358.7/55

All: 0.044+/-0.000 χ^2/NDF: 18359576773.1/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1755811.3/25

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

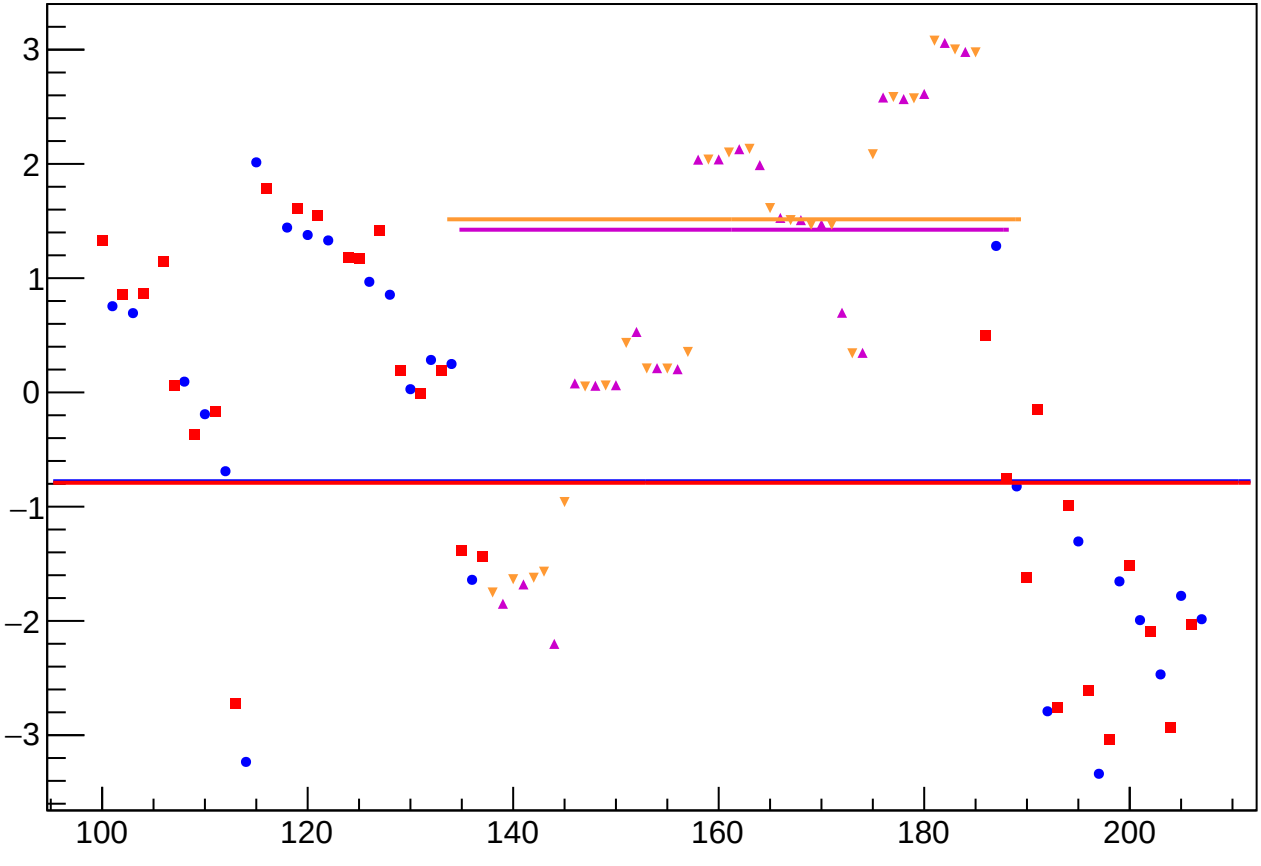
Right: 0.013+/-0.000 χ^2/NDF: 3886895.0/56

In: 0.011+/-0.000 χ^2/NDF:2741504.1/48

Out: 0.011+/-0.000 χ^2/NDF:3353018.2/55

All: 0.011+/-0.000 χ^2/NDF: 6097013.5/104

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.778+/-0.000 χ^2/NDF: 8059320541.8/25

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

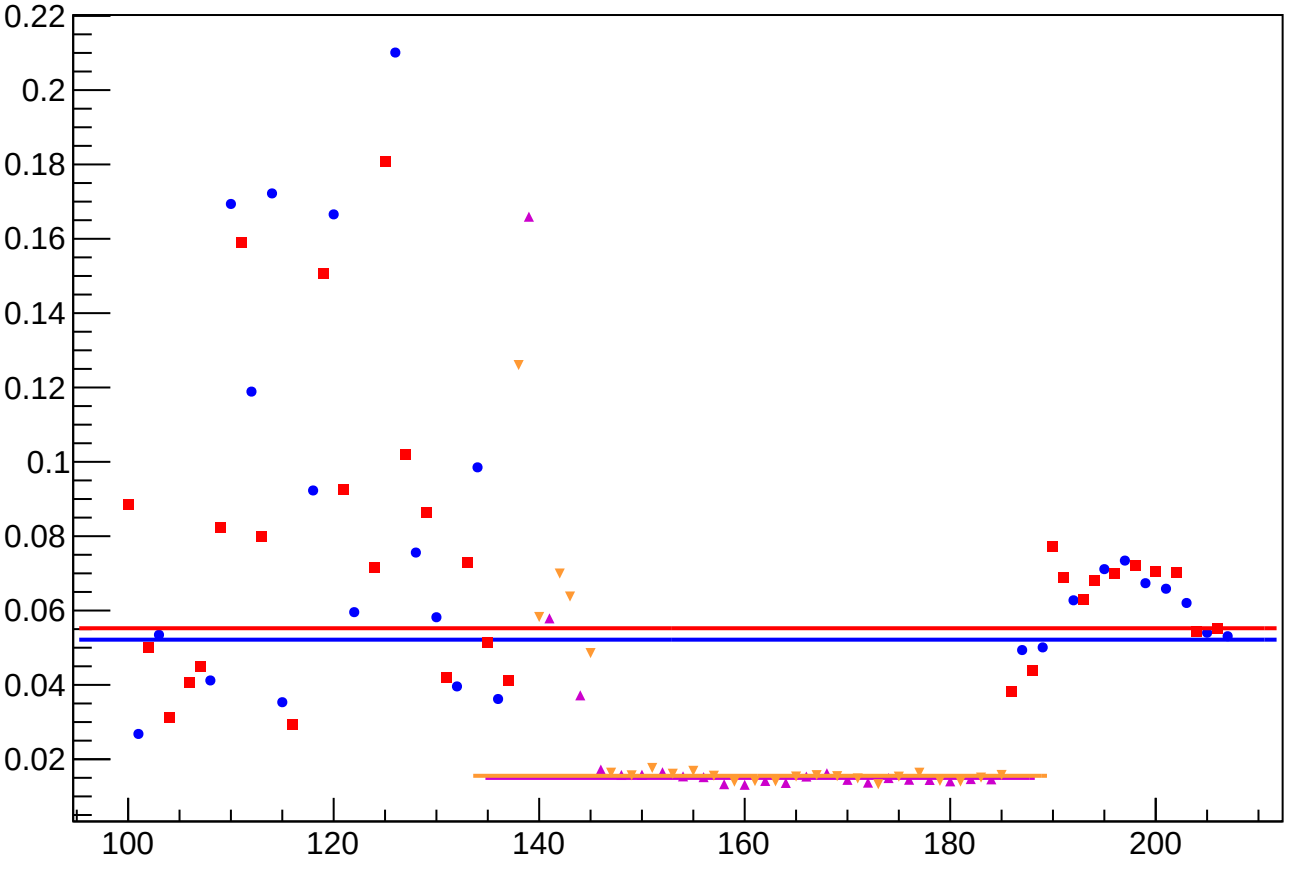
Right: -0.784+/-0.000 χ^2/NDF: 16978535603.2/56

In: 1.293+/-0.000 χ^2/NDF:94034738105.9/48

Out: 1.370+/-0.000 χ^2/NDF:97004388236.3/55

All: 1.331+/-0.000 χ^2/NDF: 191232797491.2

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3553652.5/25

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

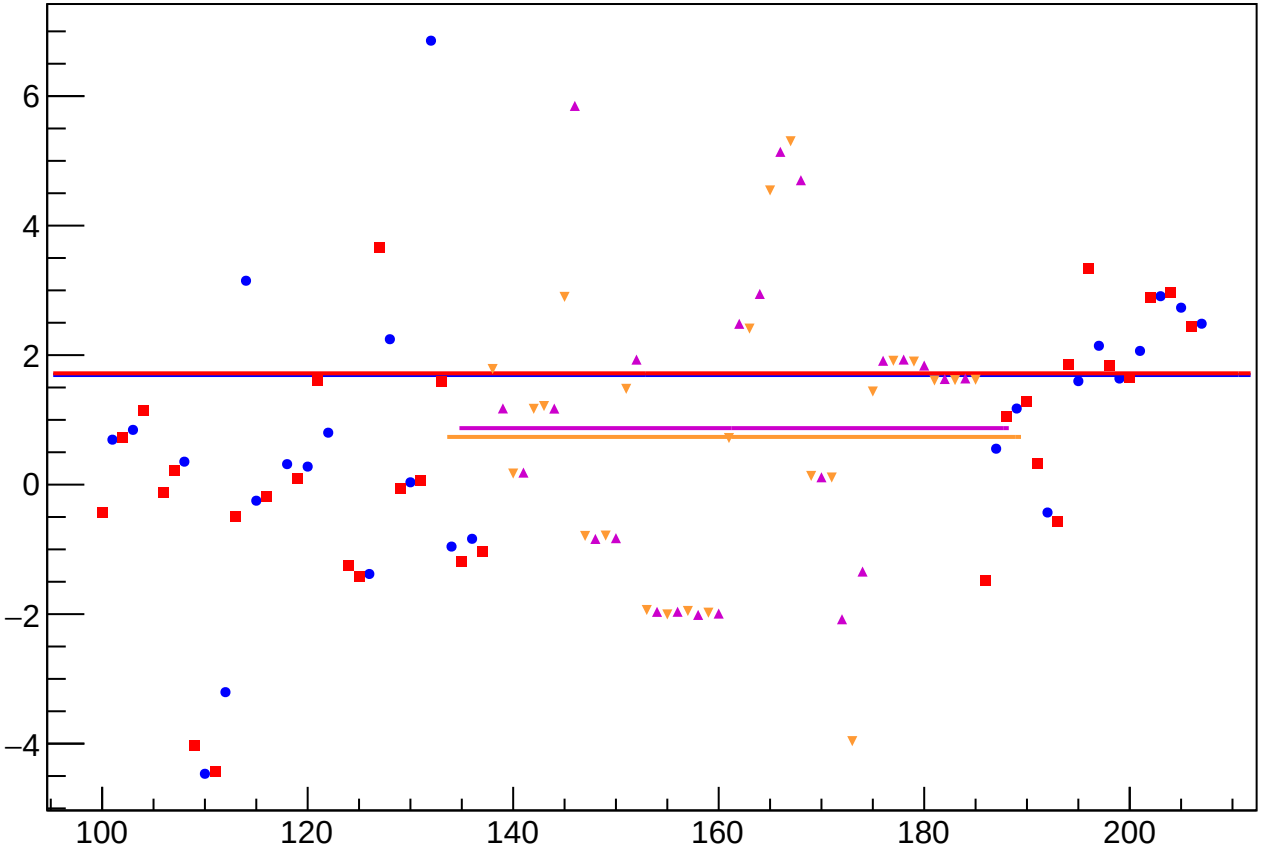
Right: 0.054+/-0.000 χ^2/NDF: 6732882.0/56

In: 0.017+/-0.000 χ^2/NDF:15967412.2/48

Out: 0.018+/-0.000 χ^2/NDF:18152744.2/55

All: 0.018+/-0.000 χ^2/NDF: 34167927.2/104

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.692+/-0.000 χ^2/NDF: 34392297302.0/25

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

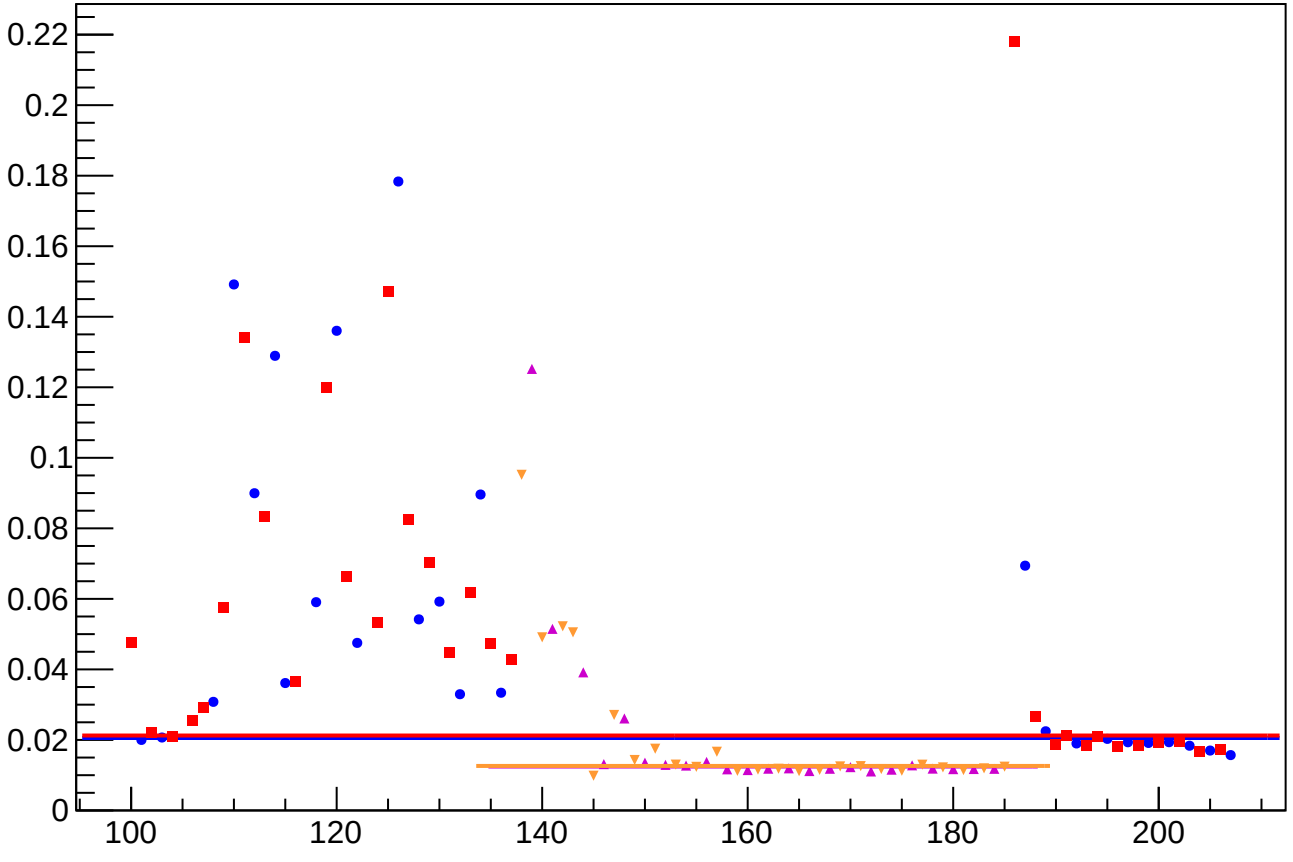
Right: 1.706+/-0.000 χ^2/NDF: 71933660676.5/56

In: 1.028+/-0.000 χ^2/NDF:667194905162.2/48

Out: 0.929+/-0.000 χ^2/NDF:592274158907.5/55

All: 0.978+/-0.000 χ^2/NDF: 1260069375462.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 4310304.6/25

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

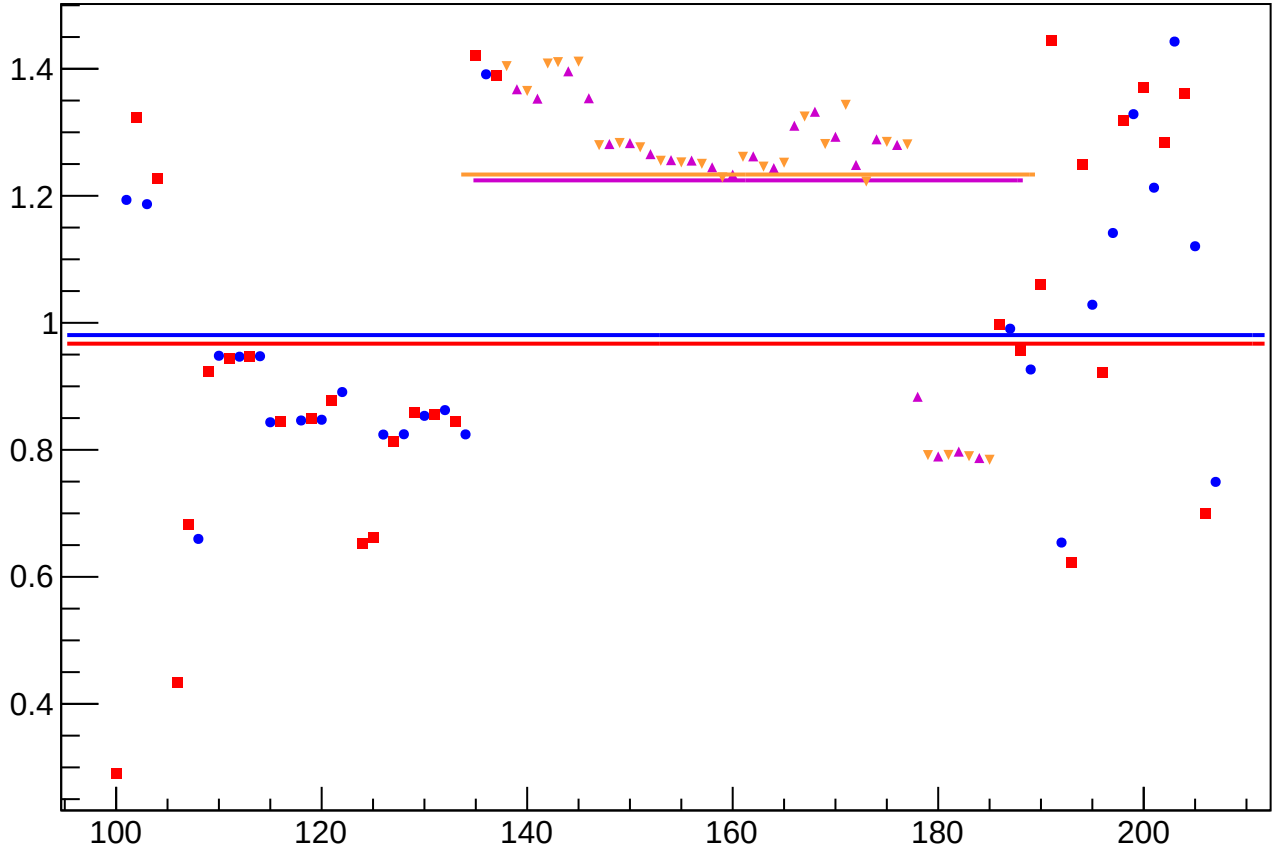
Right: 0.021+/-0.000 χ^2/NDF: 9646272.7/56

In: 0.014+/-0.000 χ^2/NDF:9527335.4/48

Out: 0.014+/-0.000 χ^2/NDF:11412076.6/55

All: 0.014+/-0.000 χ^2/NDF: 20952205.5/104

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.981+/-0.000 χ^2/NDF: 1905305462.9/25

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

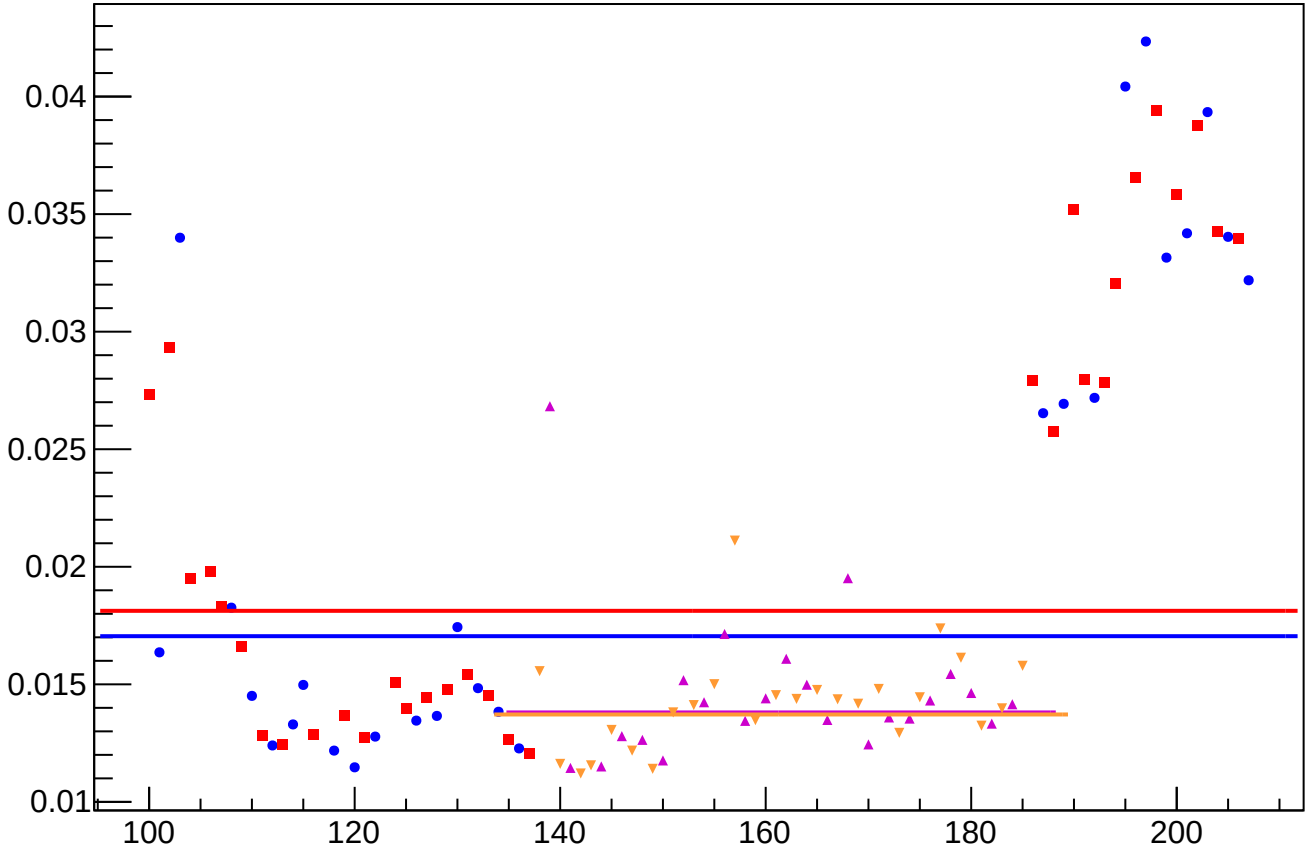
Right: 0.974+/-0.000 χ^2/NDF: 4234452566.3/56

In: 1.148+/-0.000 χ^2/NDF:6144944674.4/48

Out: 1.154+/-0.000 χ^2/NDF:7283681370.7/55

All: 1.151+/-0.000 χ^2/NDF: 13430825478.6/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 4831530.8/25

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

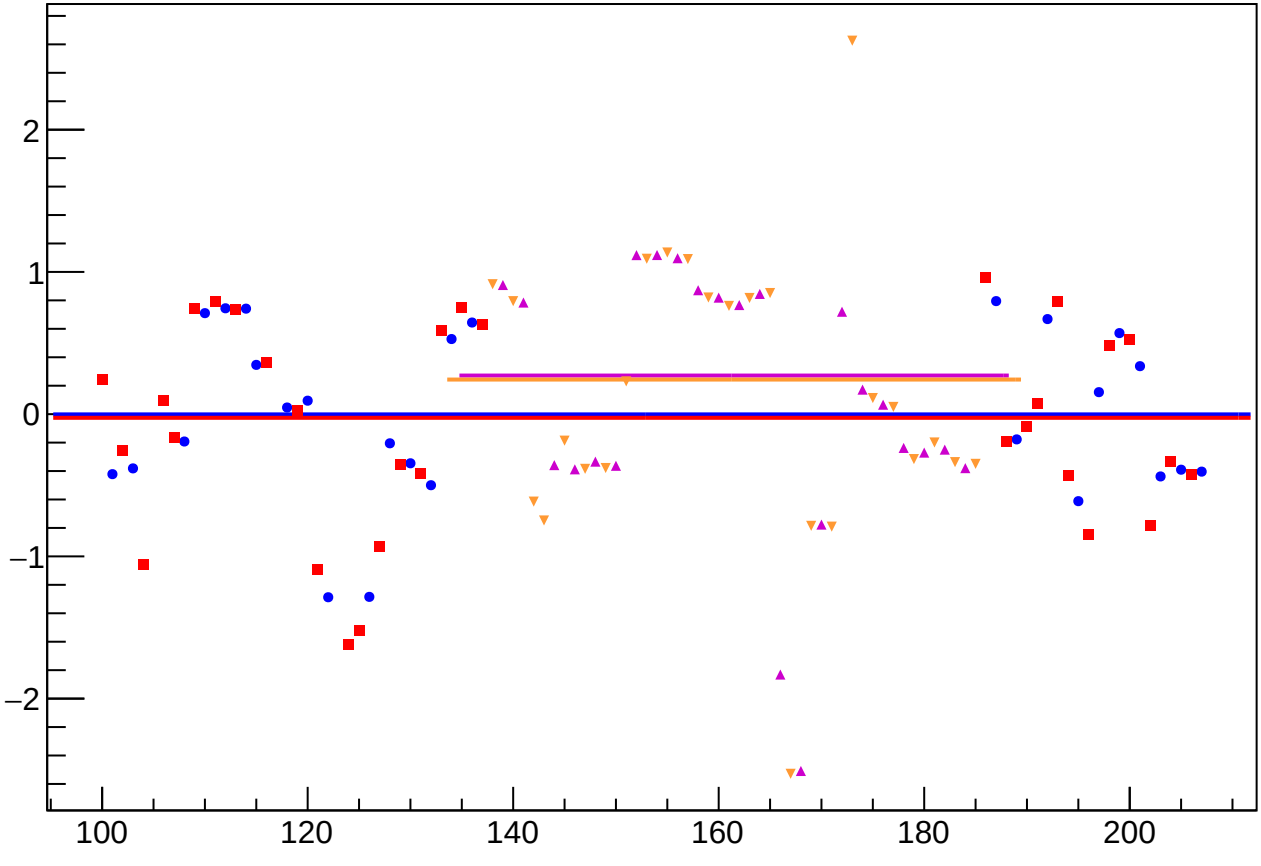
Right: 0.018+/-0.000 χ^2/NDF: 9644468.5/56

In: 0.015+/-0.000 χ^2/NDF:6263870.9/48

Out: 0.015+/-0.000 χ^2/NDF:6367458.3/55

All: 0.015+/-0.000 χ^2/NDF: 12637200.3/104

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.000 χ^2/NDF: 24211995216.0/25

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

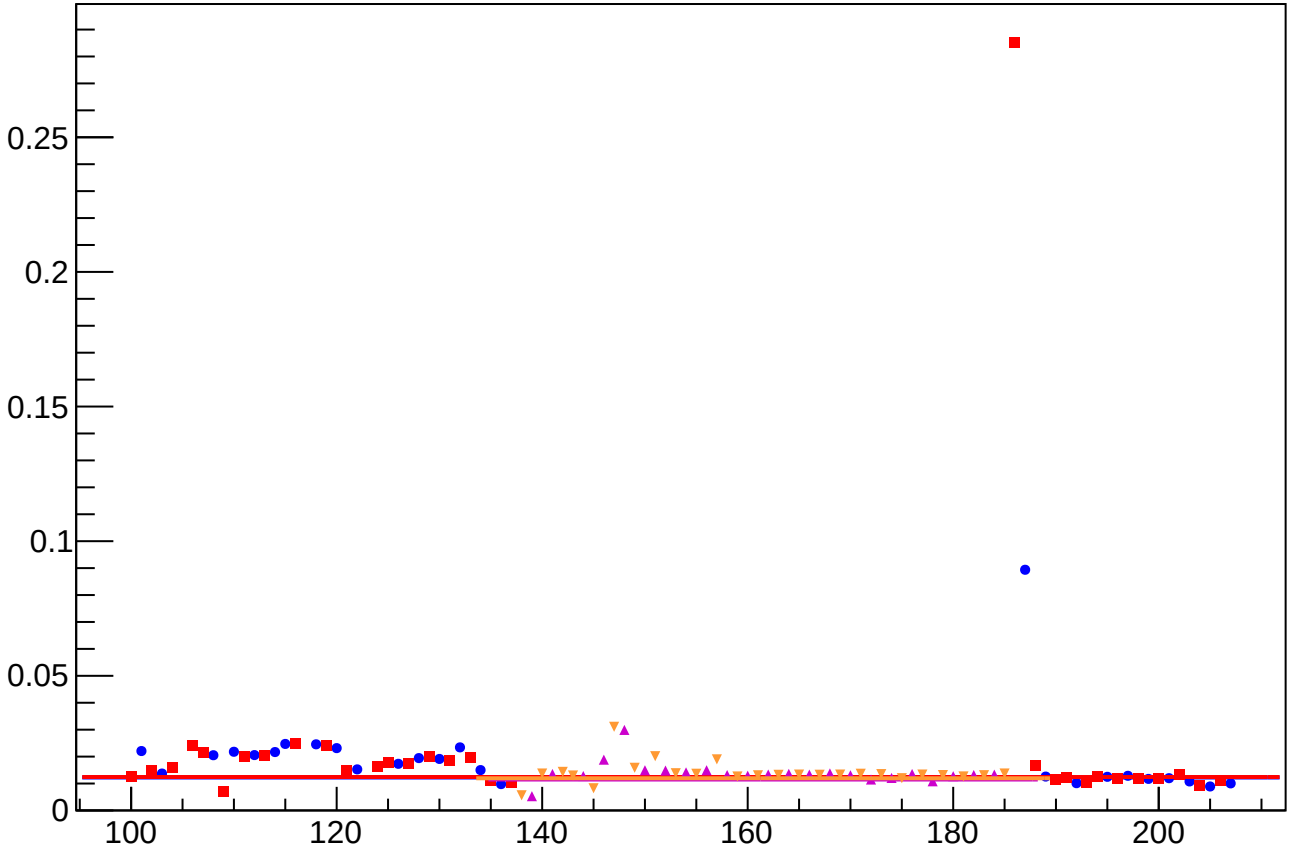
Right: -0.014+/-0.000 χ^2/NDF: 59495141970.9/56

In: 0.159+/-0.000 χ^2/NDF:118333792992.4/48

Out: 0.130+/-0.000 χ^2/NDF:144449581180.1/55

All: 0.144+/-0.000 χ^2/NDF: 262870612137.9

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2508878.8/25

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

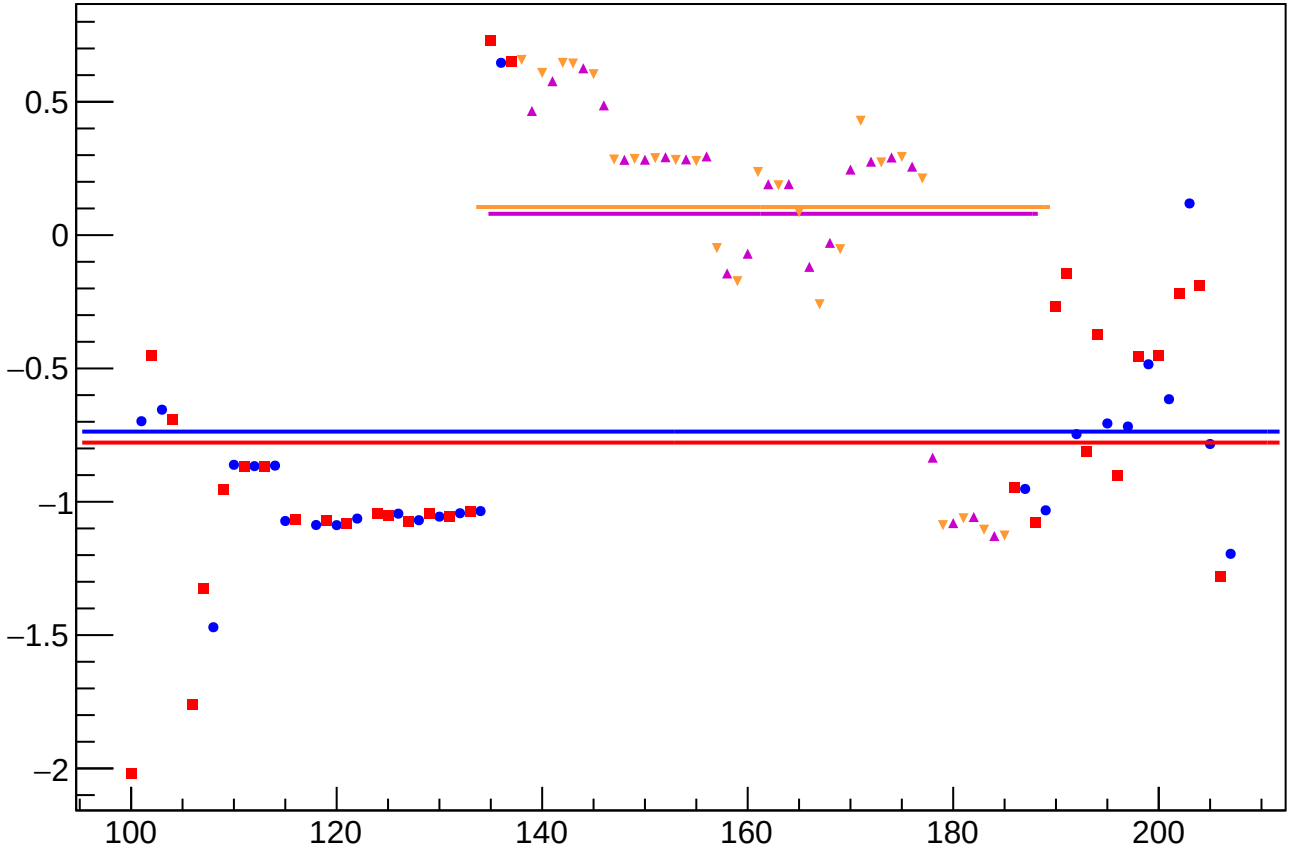
Right: 0.012+/-0.000 χ^2/NDF: 5395994.9/56

In: 0.012+/-0.000 χ^2/NDF:6235544.4/48

Out: 0.012+/-0.000 χ^2/NDF:6172334.3/55

All: 0.012+/-0.000 χ^2/NDF: 12432202.6/104

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.737+/-0.000 χ^2/NDF: 2191317283.6/25

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

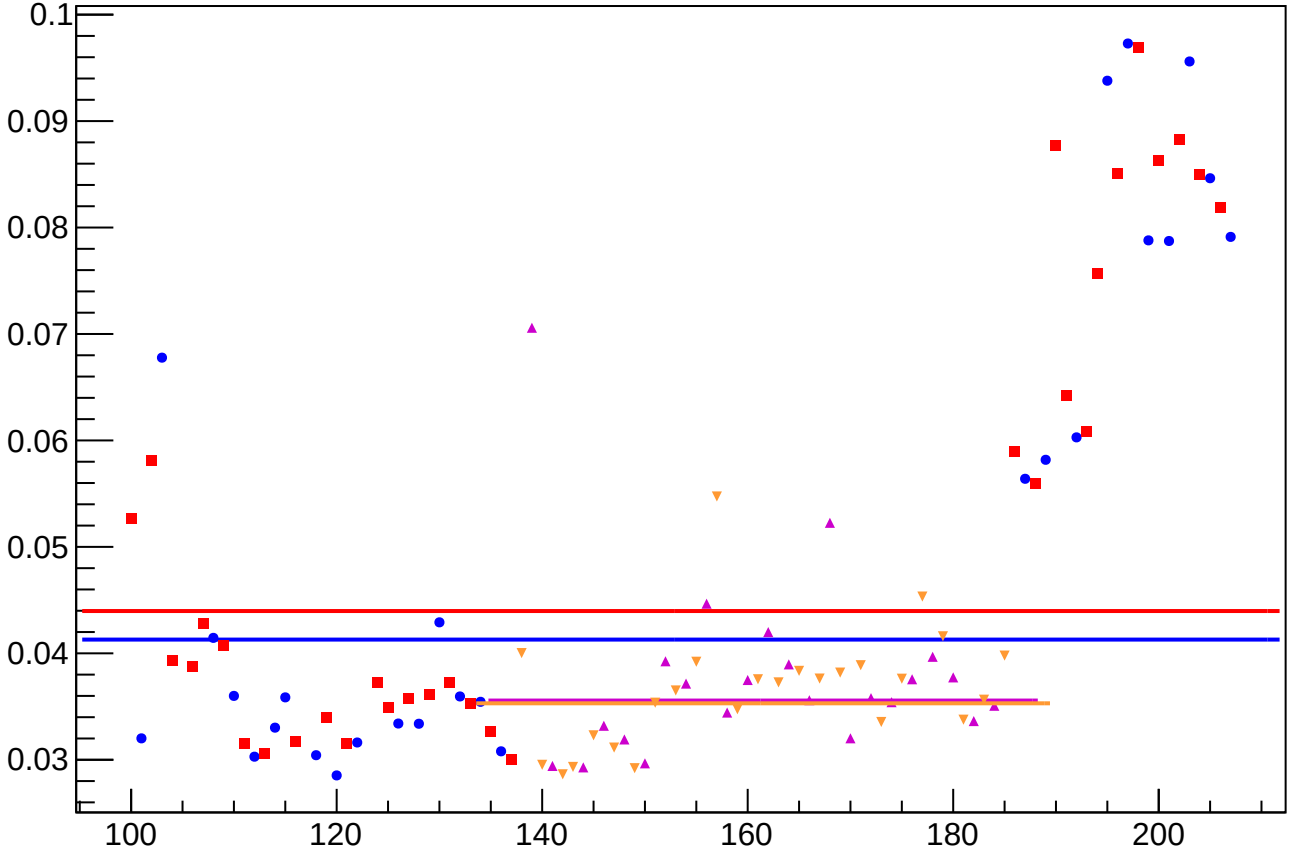
Right: -0.757+/-0.000 χ^2/NDF: 4301988792.4/56

In: -0.204+/-0.000 χ^2/NDF:8414304573.1/48

Out: -0.187+/-0.000 χ^2/NDF:9382656140.9/55

All: -0.196+/-0.000 χ^2/NDF: 17799739215.4/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.041+/-0.000 χ^2/NDF: 4442258.2/25

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

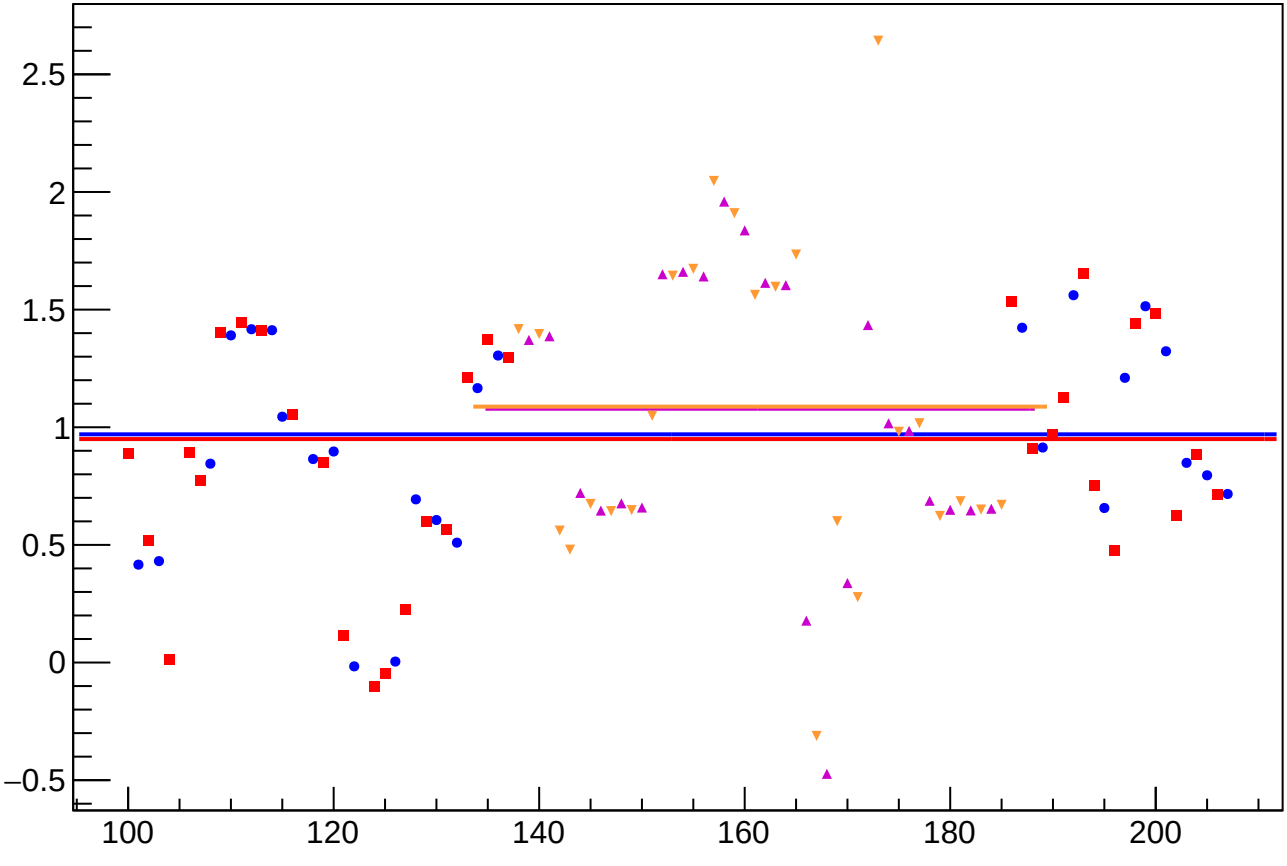
Right: 0.043+/-0.000 χ^2/NDF: 8739070.0/56

In: 0.038+/-0.000 χ^2/NDF:5693103.4/48

Out: 0.038+/-0.000 χ^2/NDF:5533321.9/55

All: 0.038+/-0.000 χ^2/NDF: 11234088.1/104

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.970+/-0.000 χ^2/NDF: 29088508174.8/25

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

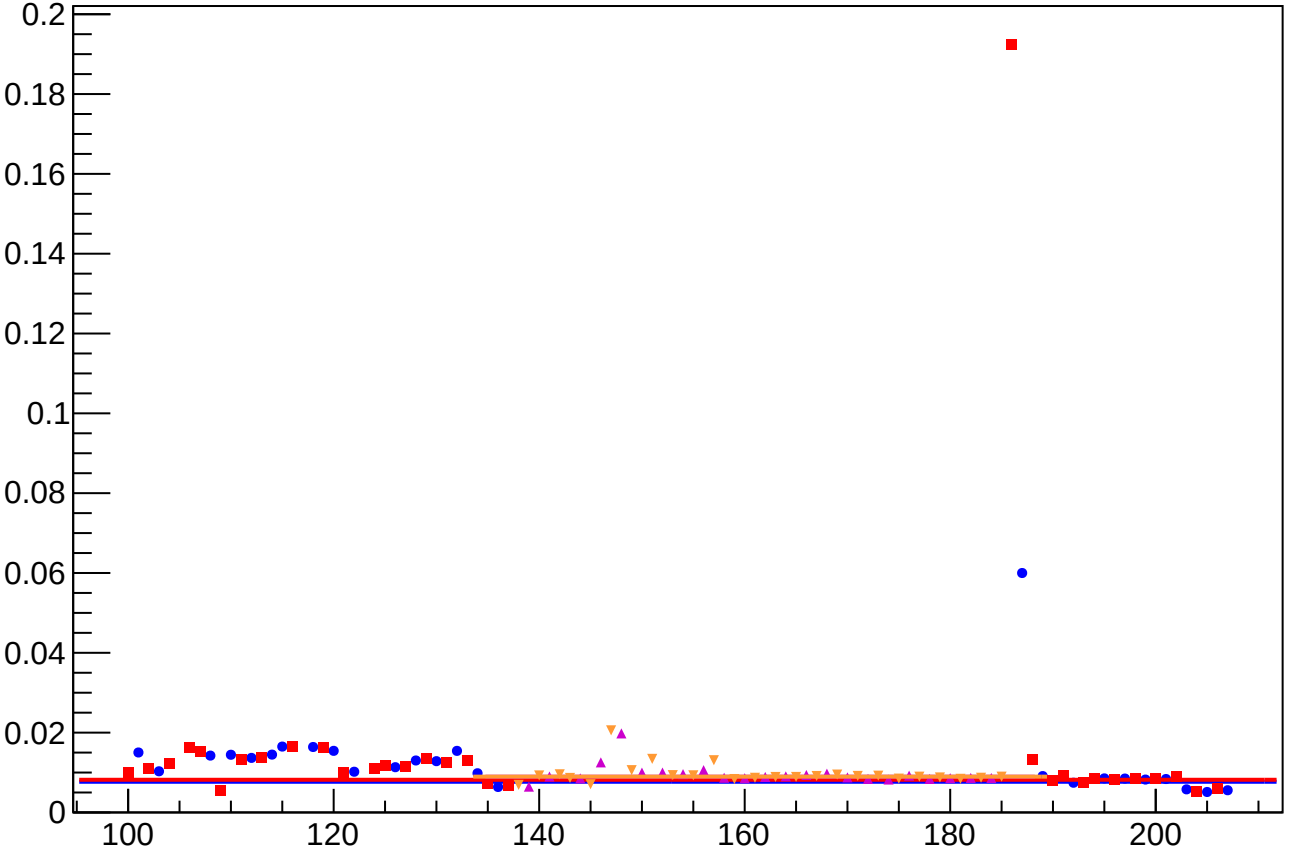
Right: 0.960+/-0.000 χ^2/NDF: 65788517950.0/56

In: 1.025+/-0.000 χ^2/NDF:104406124712.6/48

Out: 1.023+/-0.000 χ^2/NDF:132514549724.0/55

All: 1.024+/-0.000 χ^2/NDF: 236921644222.7

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3313820.6/25

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

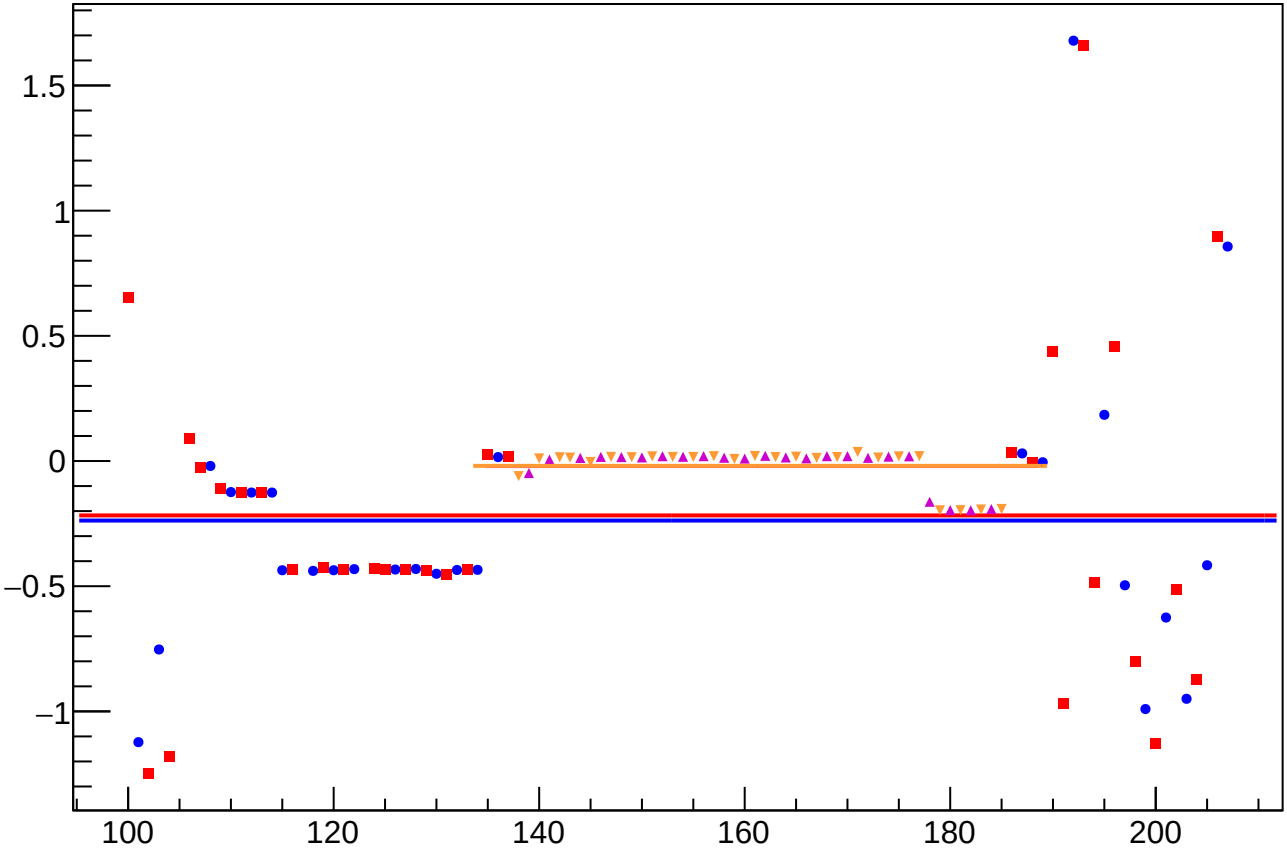
Right: 0.008+/-0.000 χ^2/NDF: 6829900.5/56

In: 0.008+/-0.000 χ^2/NDF:4611204.0/48

Out: 0.009+/-0.000 χ^2/NDF:4742181.7/55

All: 0.008+/-0.000 χ^2/NDF: 9385699.0/104

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.238+/-0.000 χ^2/NDF: 3774063783.1/25

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

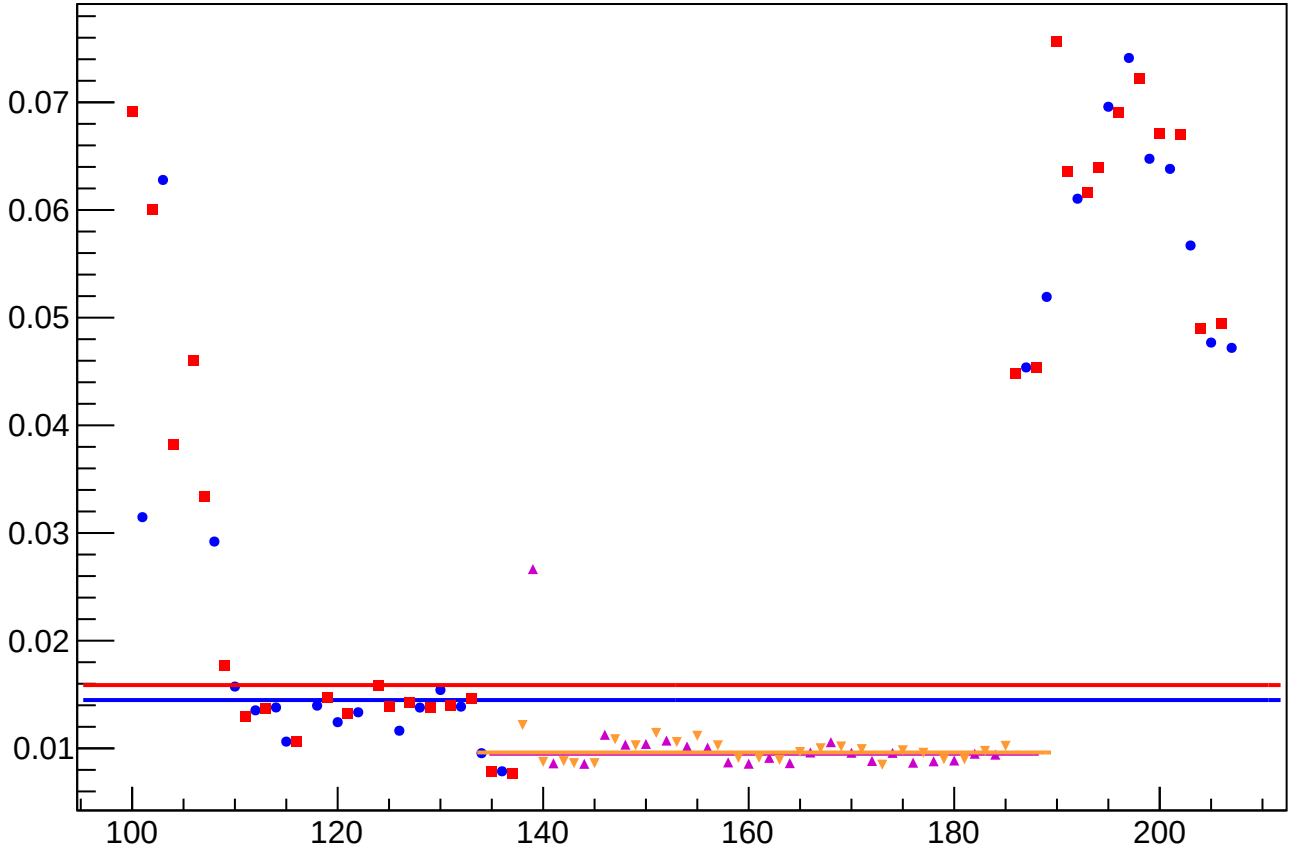
Right: -0.228+/-0.000 χ^2/NDF: 7320702819.6/56

In: -0.060+/-0.000 χ^2/NDF:6220206998.7/48

Out: -0.051+/-0.000 χ^2/NDF:5724507997.1/55

All: -0.056+/-0.000 χ^2/NDF: 11952162662.5/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 10755464.0/25

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

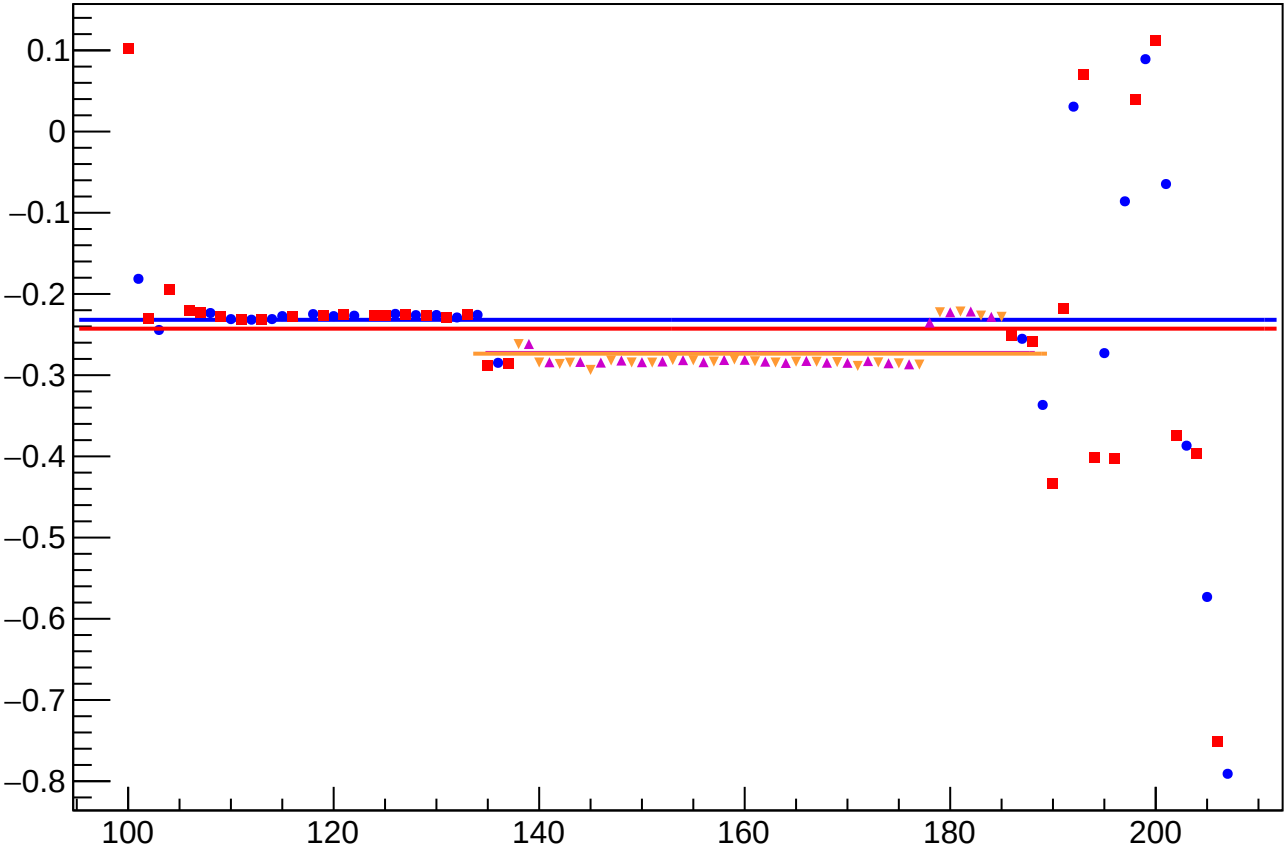
Right: 0.015+/-0.000 χ^2/NDF: 22848798.9/56

In: 0.010+/-0.000 χ^2/NDF:13190125.1/48

Out: 0.011+/-0.000 χ^2/NDF:14550488.5/55

All: 0.011+/-0.000 χ^2/NDF: 27750912.2/104

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.232+/-0.000 χ^2/NDF: 14495304412.9/25

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

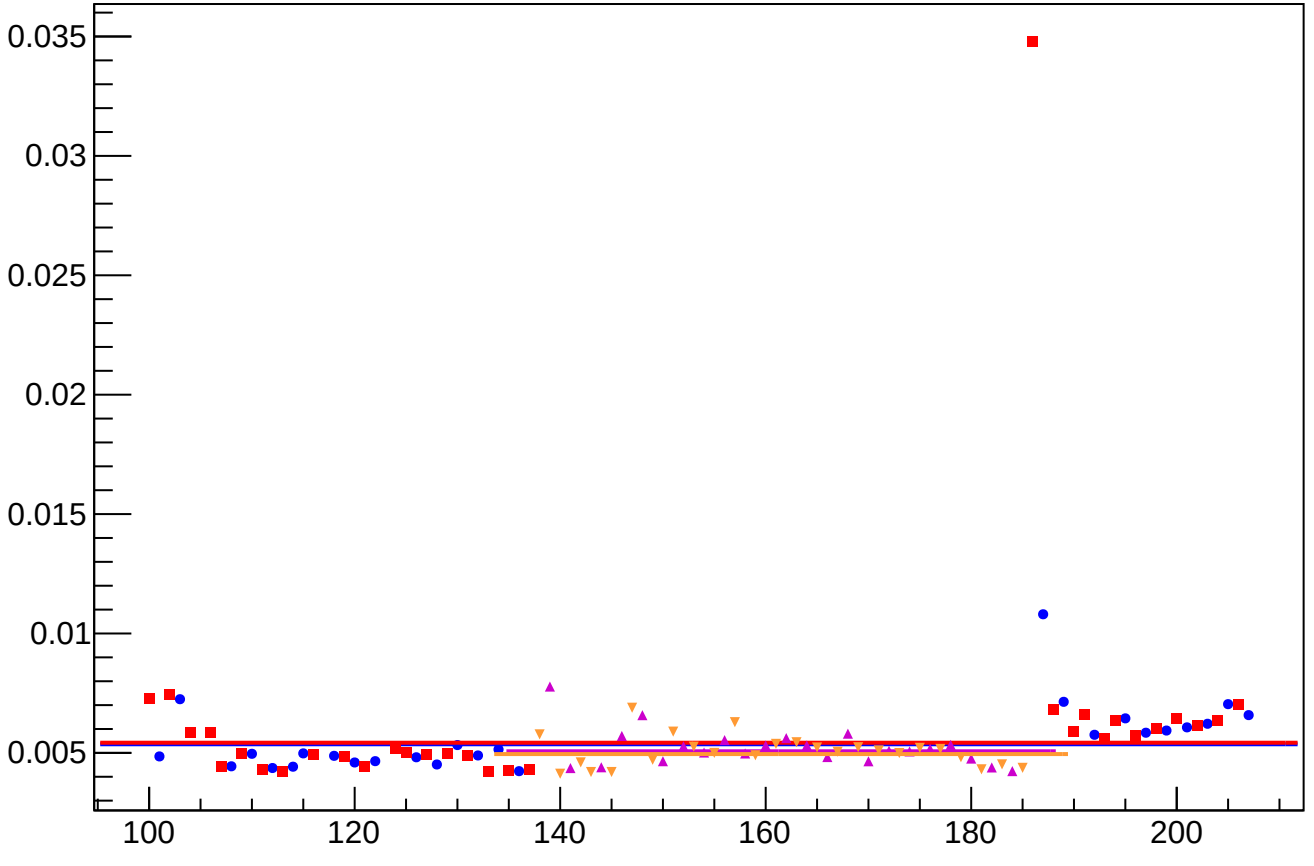
Right: -0.237+/-0.000 χ^2/NDF: 28895101775.7/56

In: -0.256+/-0.000 χ^2/NDF:15288556166.8/48

Out: -0.261+/-0.000 χ^2/NDF:15048568565.1/55

All: -0.259+/-0.000 χ^2/NDF: 30353770050.9/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 830755.6/25

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

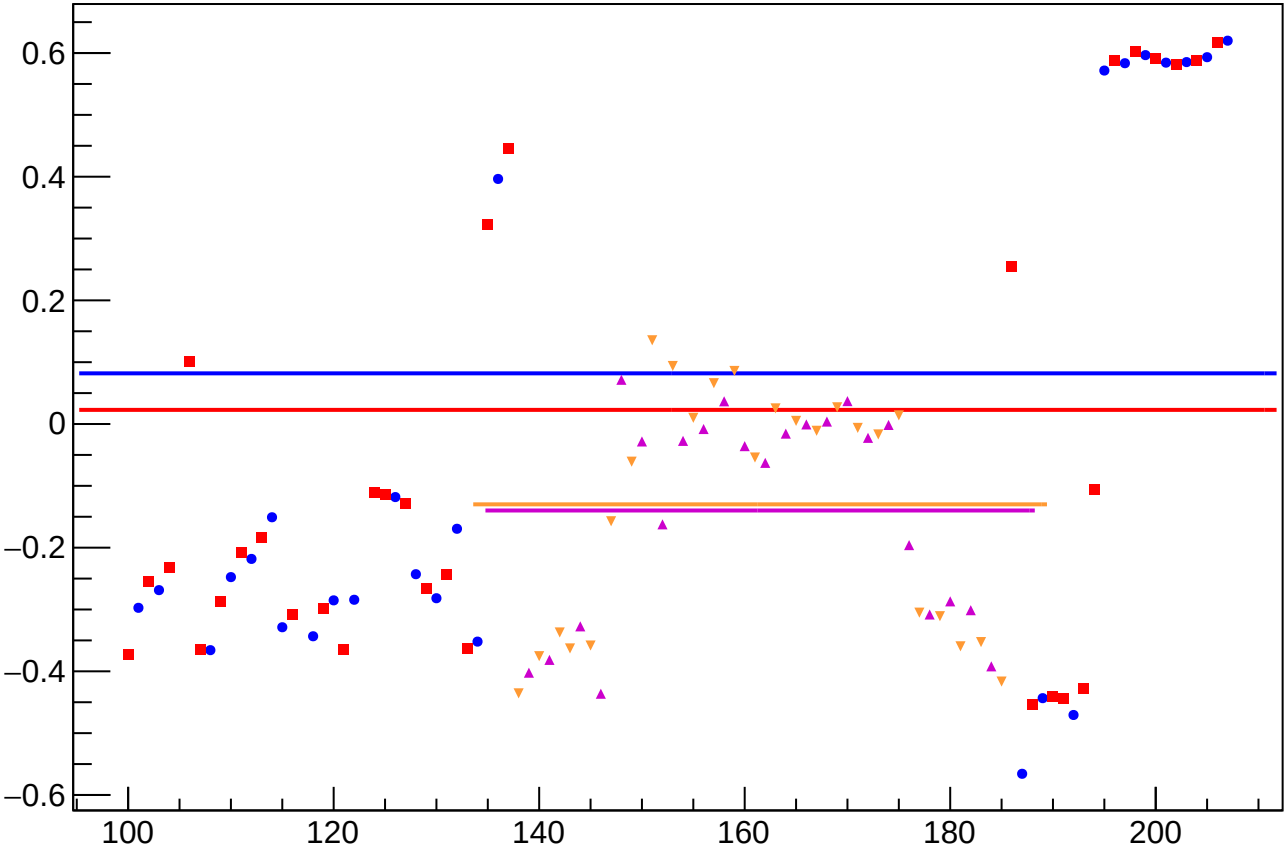
Right: 0.005+/-0.000 χ^2/NDF: 2249701.4/56

In: 0.005+/-0.000 χ^2/NDF:1417860.5/48

Out: 0.005+/-0.000 χ^2/NDF:2080060.6/55

All: 0.005+/-0.000 χ^2/NDF: 3500456.1/104

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.082+/-0.000 χ^2/NDF: 61083711967.9/25

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

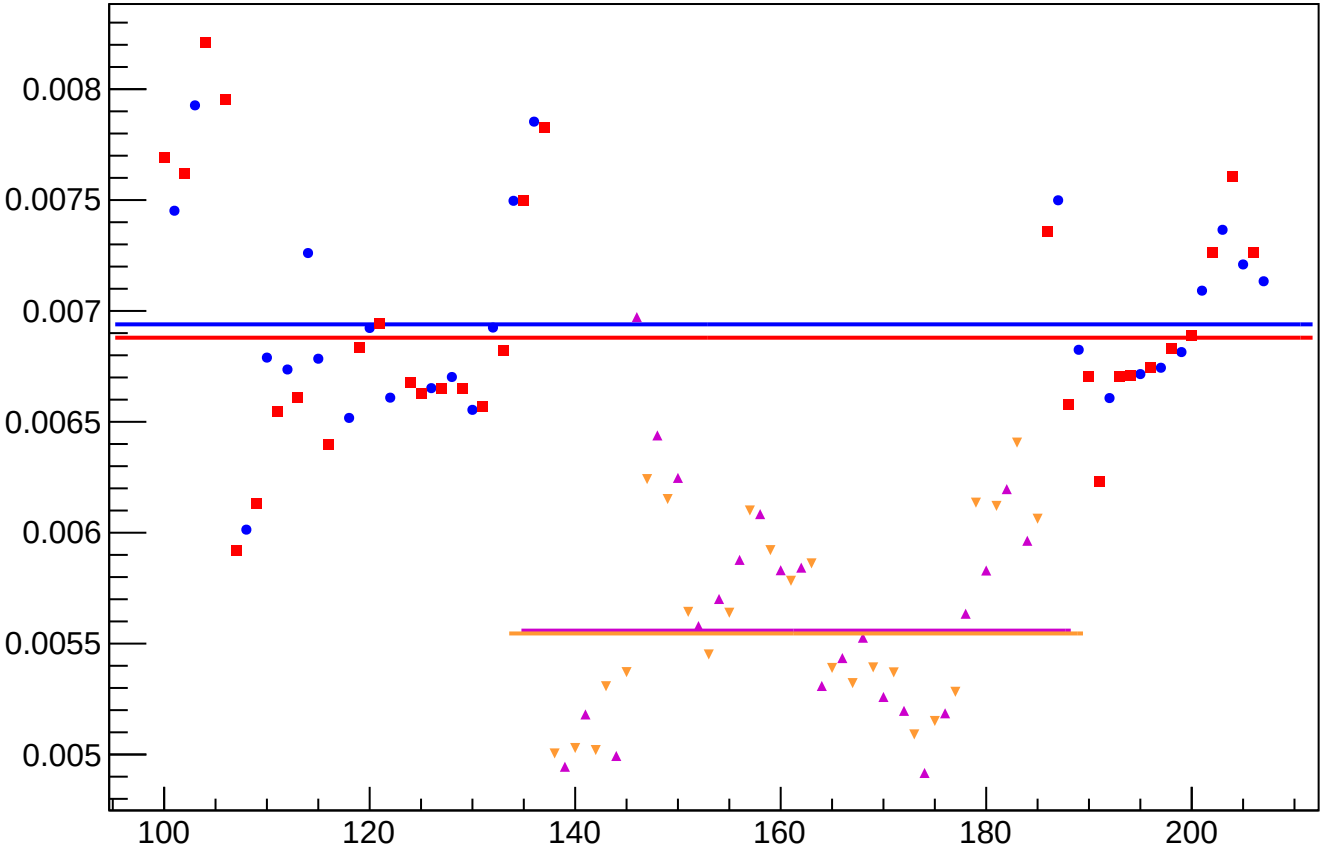
Right: 0.051+/-0.000 χ^2/NDF: 120893789937.9/56

In: -0.062+/-0.000 χ^2/NDF:85940844492.1/48

Out: -0.075+/-0.000 χ^2/NDF:85790816303.7/55

All: -0.068+/-0.000 χ^2/NDF: 171807439760.5

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 106523.0/25

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

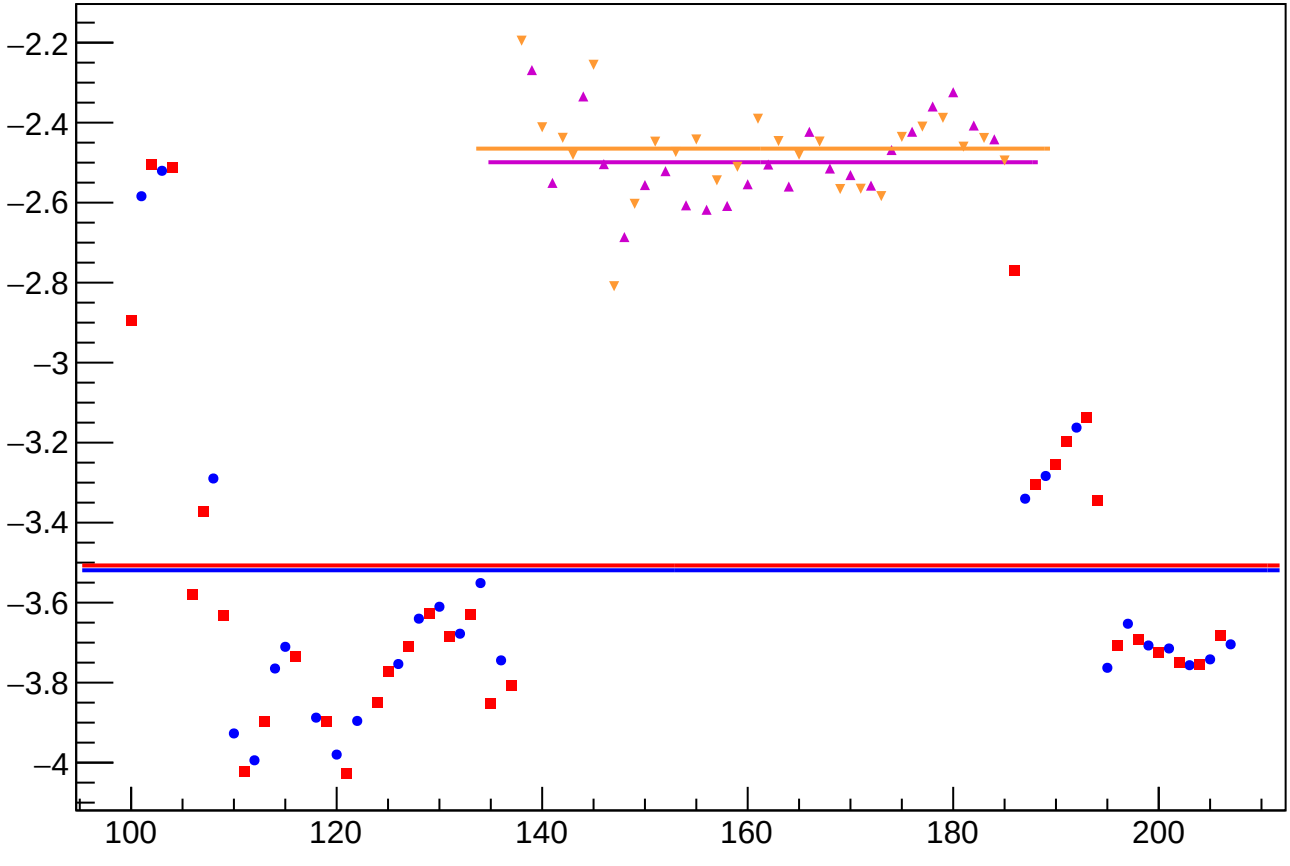
Right: 0.007+/-0.000 χ^2/NDF: 249729.7/56

In: 0.006+/-0.000 χ^2/NDF:1120135.6/48

Out: 0.006+/-0.000 χ^2/NDF:1112635.5/55

All: 0.006+/-0.000 χ^2/NDF: 2233031.7/104

yield_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.519+/-0.000 χ^2/NDF: 32681030447.6/25

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

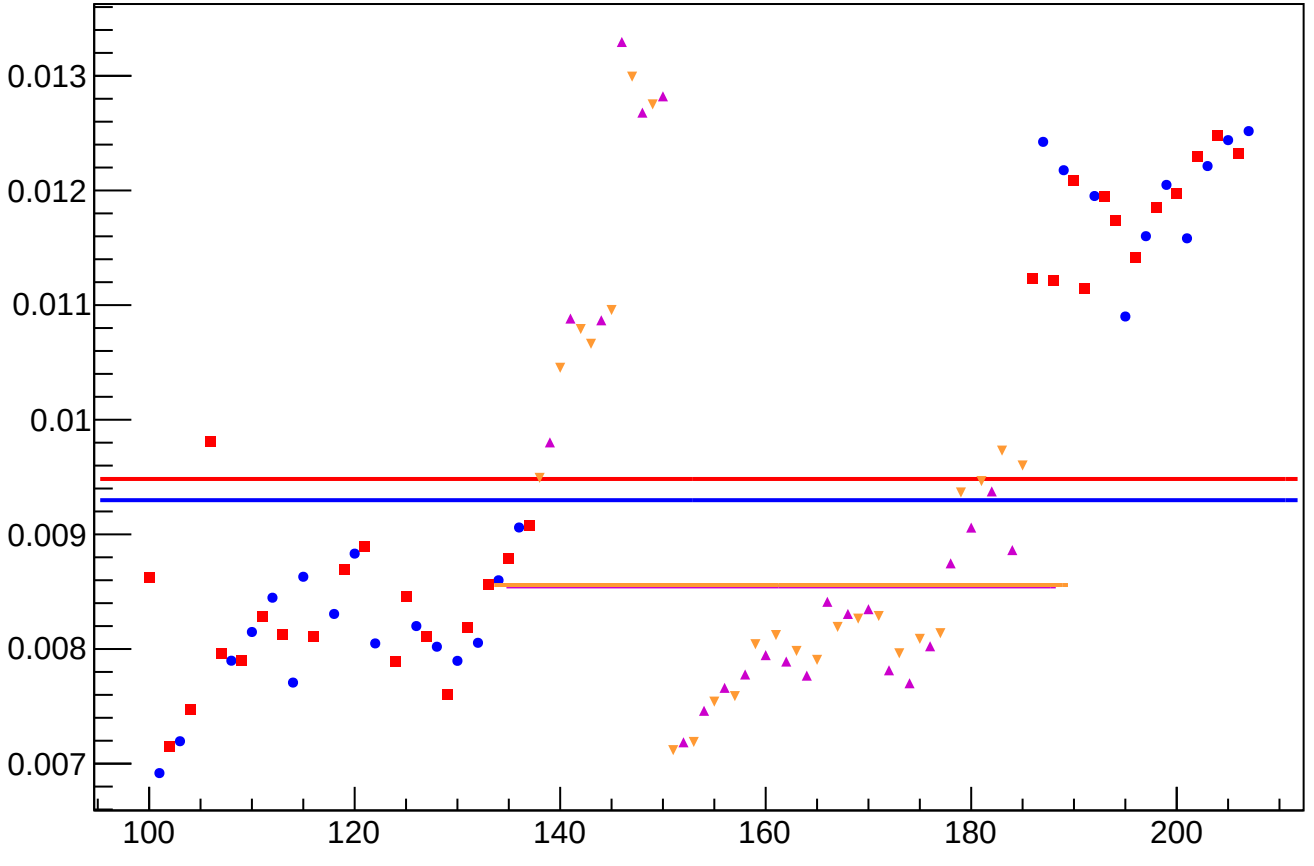
Right: -3.513+/-0.000 χ^2/NDF: 67272097611.4/56

In: -2.917+/-0.000 χ^2/NDF:134665404466.4/48

Out: -2.891+/-0.000 χ^2/NDF:146373123149.3/55

All: -2.904+/-0.000 χ^2/NDF: 281172111967.

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1196800.1/25

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

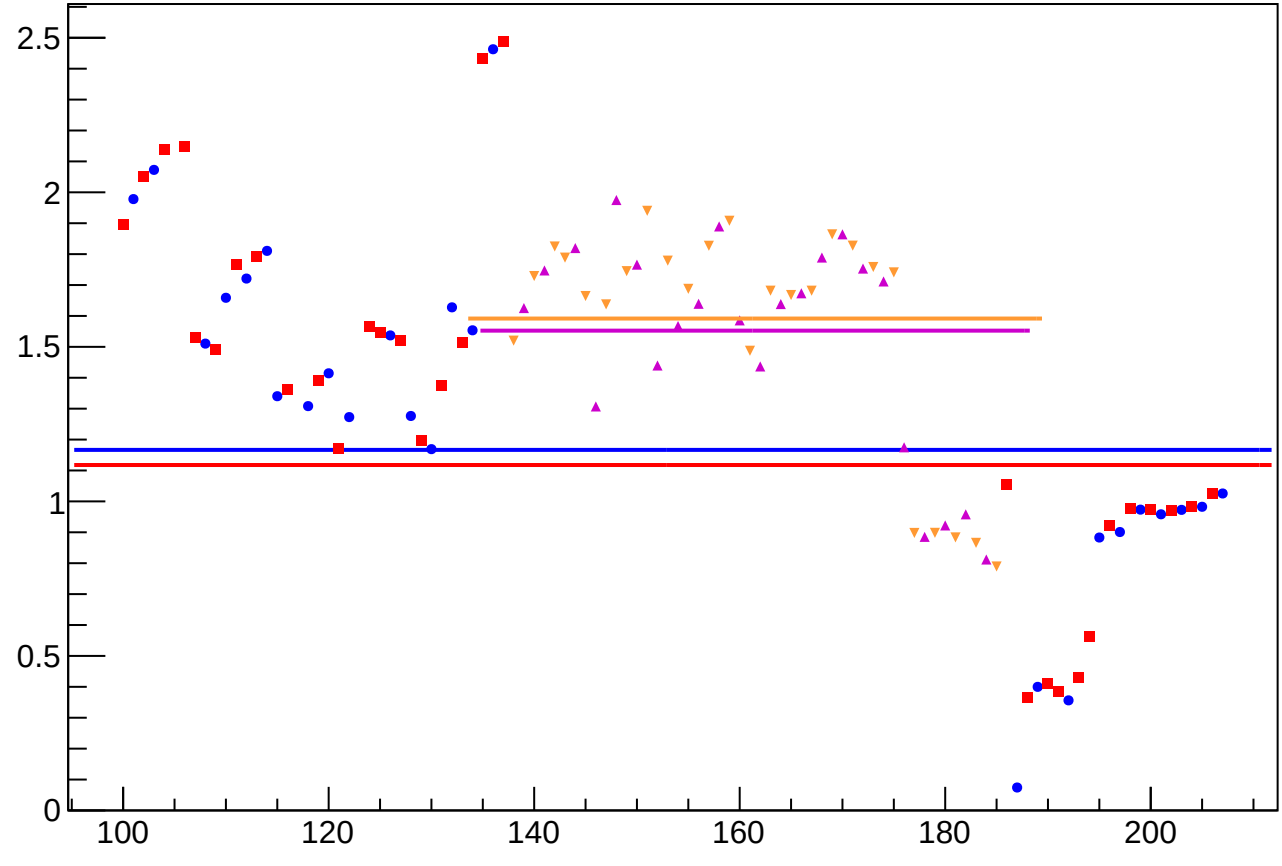
Right: 0.009+/-0.000 χ^2/NDF: 2398386.8/56

In: 0.009+/-0.000 χ^2/NDF:2216072.2/48

Out: 0.009+/-0.000 χ^2/NDF:2192671.7/55

All: 0.009+/-0.000 χ^2/NDF: 4411516.6/104

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.167+/-0.000 χ^2/NDF: 29269895108.0/25

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

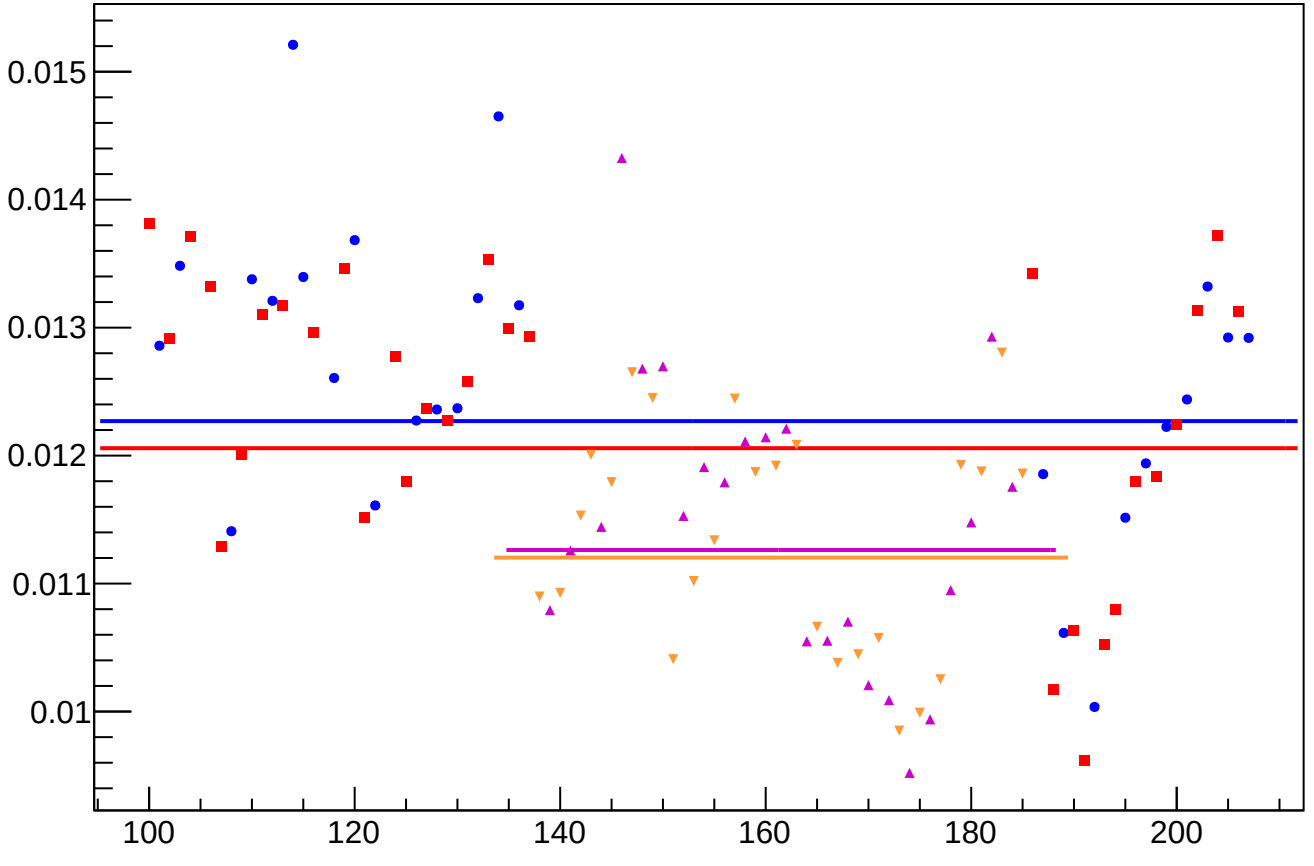
Right: 1.141+/-0.000 χ^2/NDF: 63760156483.0/56

In: 1.393+/-0.000 χ^2/NDF:51750211190.2/48

Out: 1.390+/-0.000 χ^2/NDF:65517709611.2/55

All: 1.391+/-0.000 χ^2/NDF: 117268968004.5

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 228969.9/25

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

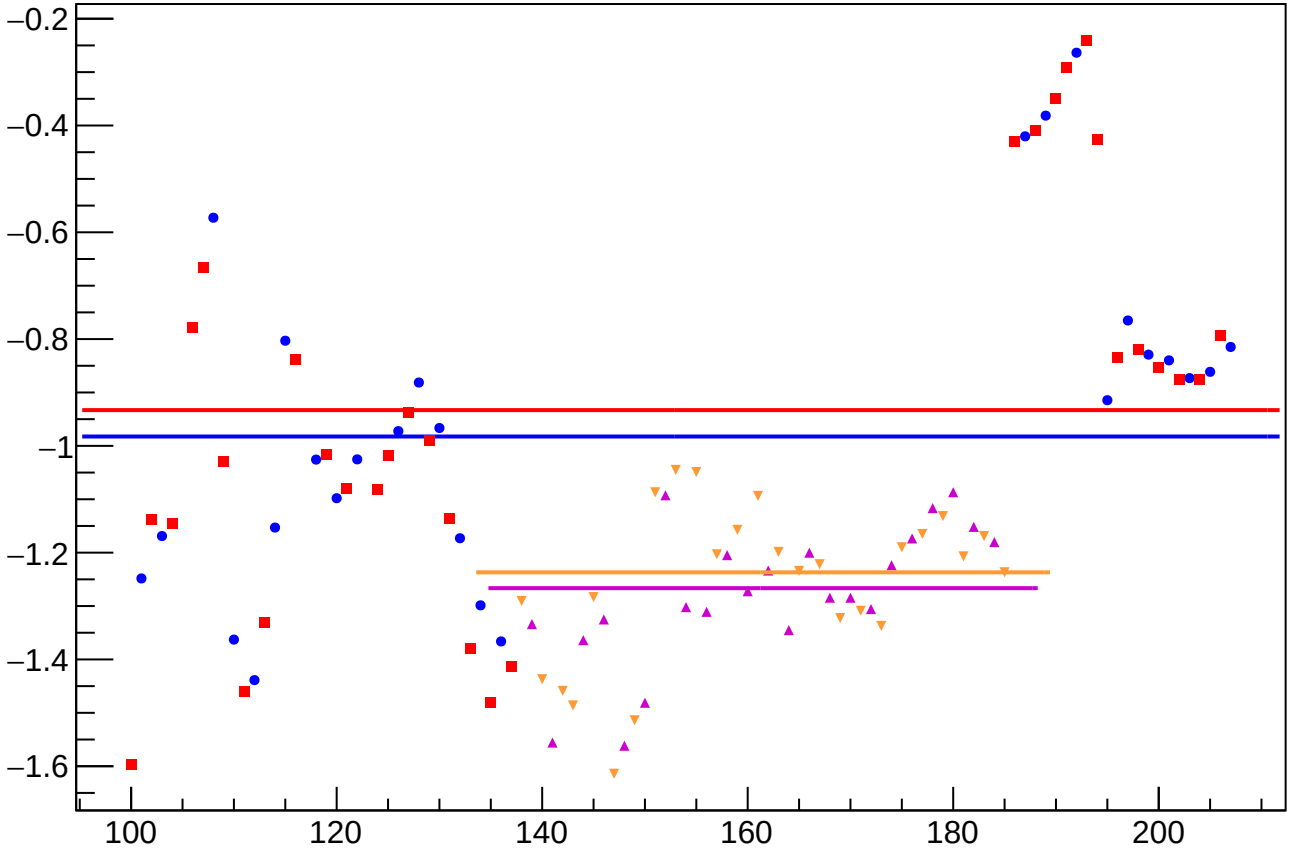
Right: 0.012+/-0.000 χ^2/NDF: 537290.1/56

In: 0.012+/-0.000 χ^2/NDF:655472.0/48

Out: 0.012+/-0.000 χ^2/NDF:618911.2/55

All: 0.012+/-0.000 χ^2/NDF: 1277457.0/104

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.982+/-0.000 χ^2/NDF: 11928272665.9/25

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

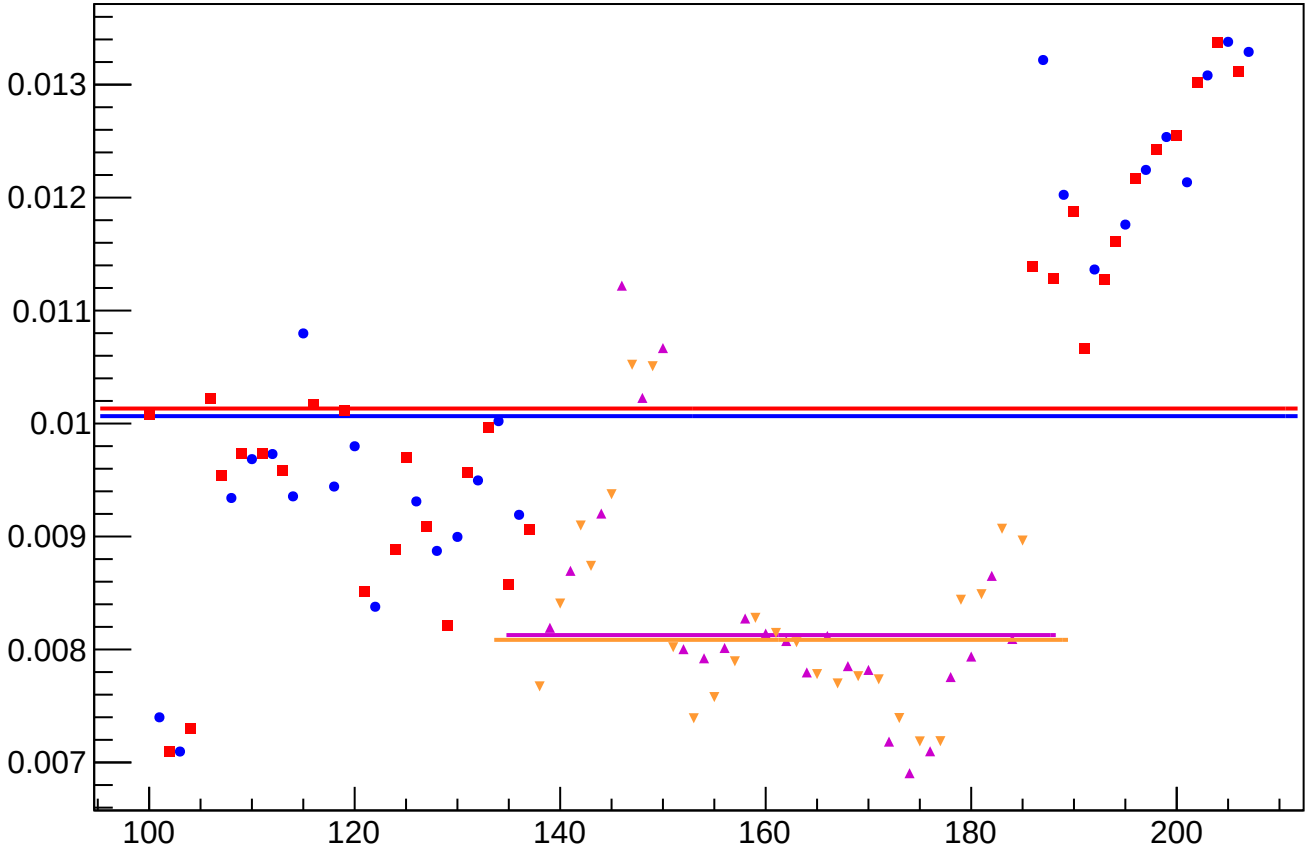
Right: -0.957+/-0.000 χ^2/NDF: 28818113050.3/56

In: -1.168+/-0.000 χ^2/NDF:22861850687.6/48

Out: -1.131+/-0.000 χ^2/NDF:30614717480.1/55

All: -1.149+/-0.000 χ^2/NDF: 53762694753.8/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 1034685.4/25

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

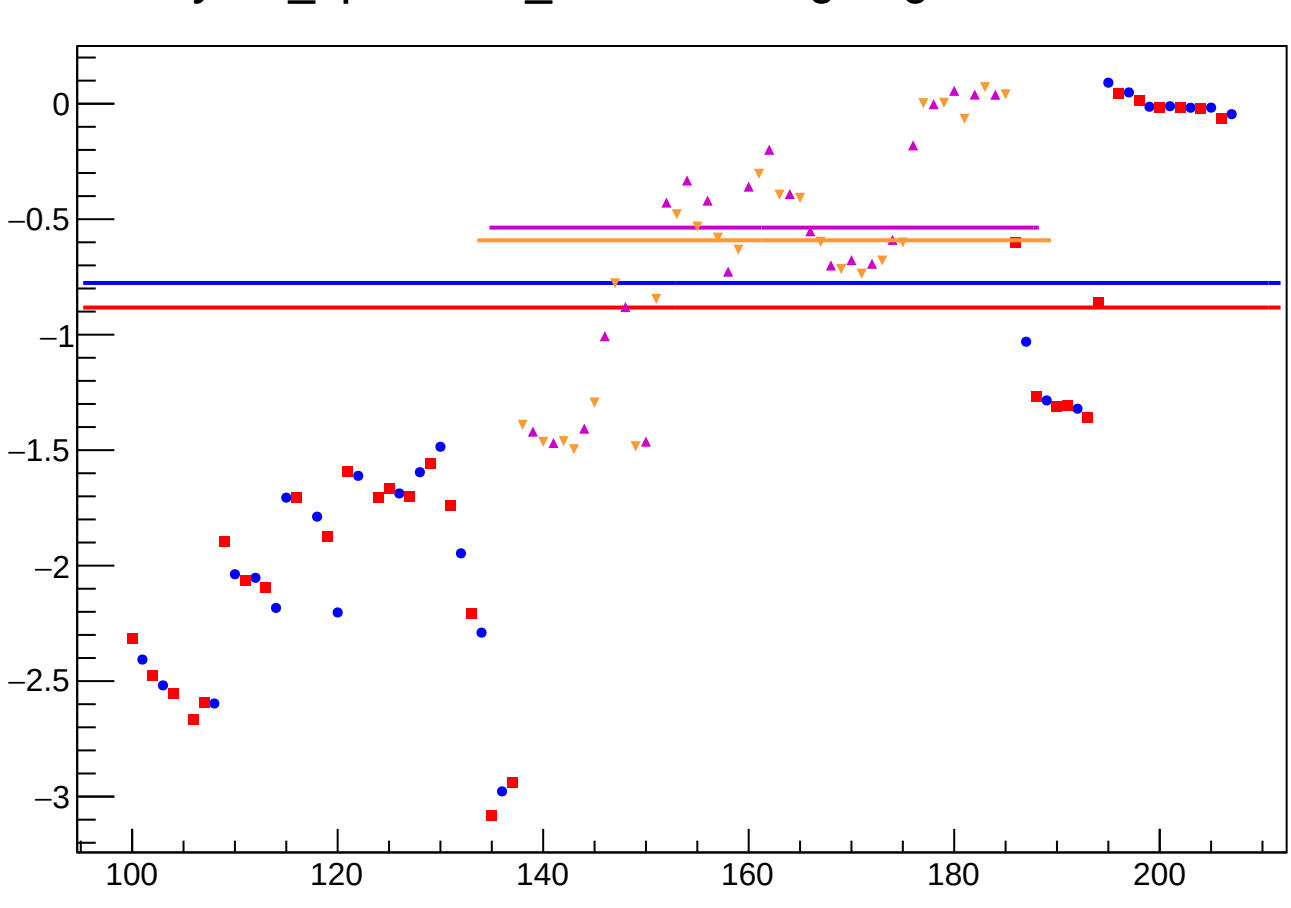
Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

Right: 0.010+/-0.000 χ^2/NDF: 2091890.9/56

In: 0.009+/-0.000 χ^2/NDF:2119490.5/48

Out: 0.009+/-0.000 χ^2/NDF:2194276.1/55

All: 0.009+/-0.000 χ^2/NDF: 4313767.3/104



Right In: -0.776+/-0.000 χ^2/NDF: 354823512252.1/25

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

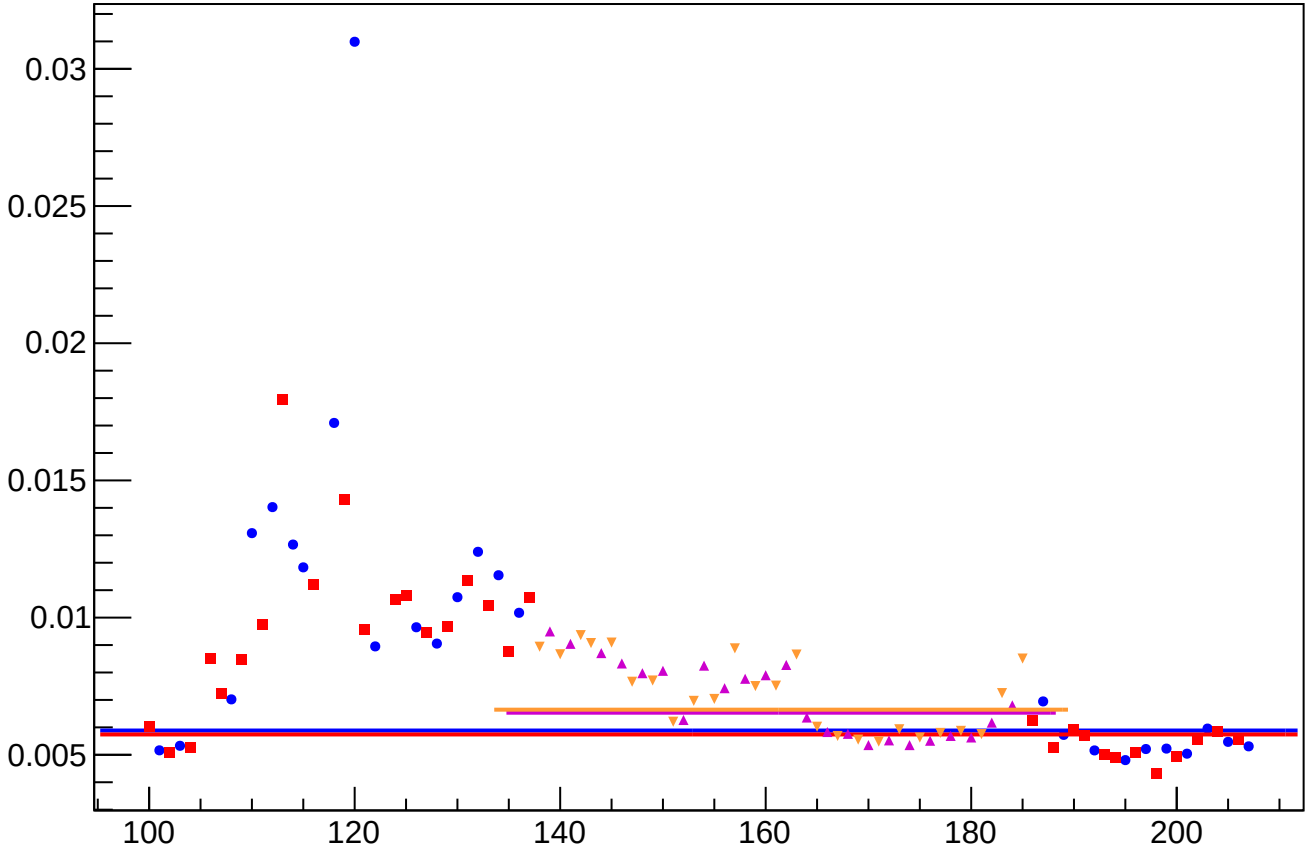
Right: -0.834+/-0.000 χ^2/NDF: 719453365695.1/56

In: -0.652+/-0.000 χ^2/NDF:435225146546.9/48

Out: -0.742+/-0.000 χ^2/NDF:451829021374.6/55

All: -0.699+/-0.000 χ^2/NDF: 890099260438.2

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2493444.9/25

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

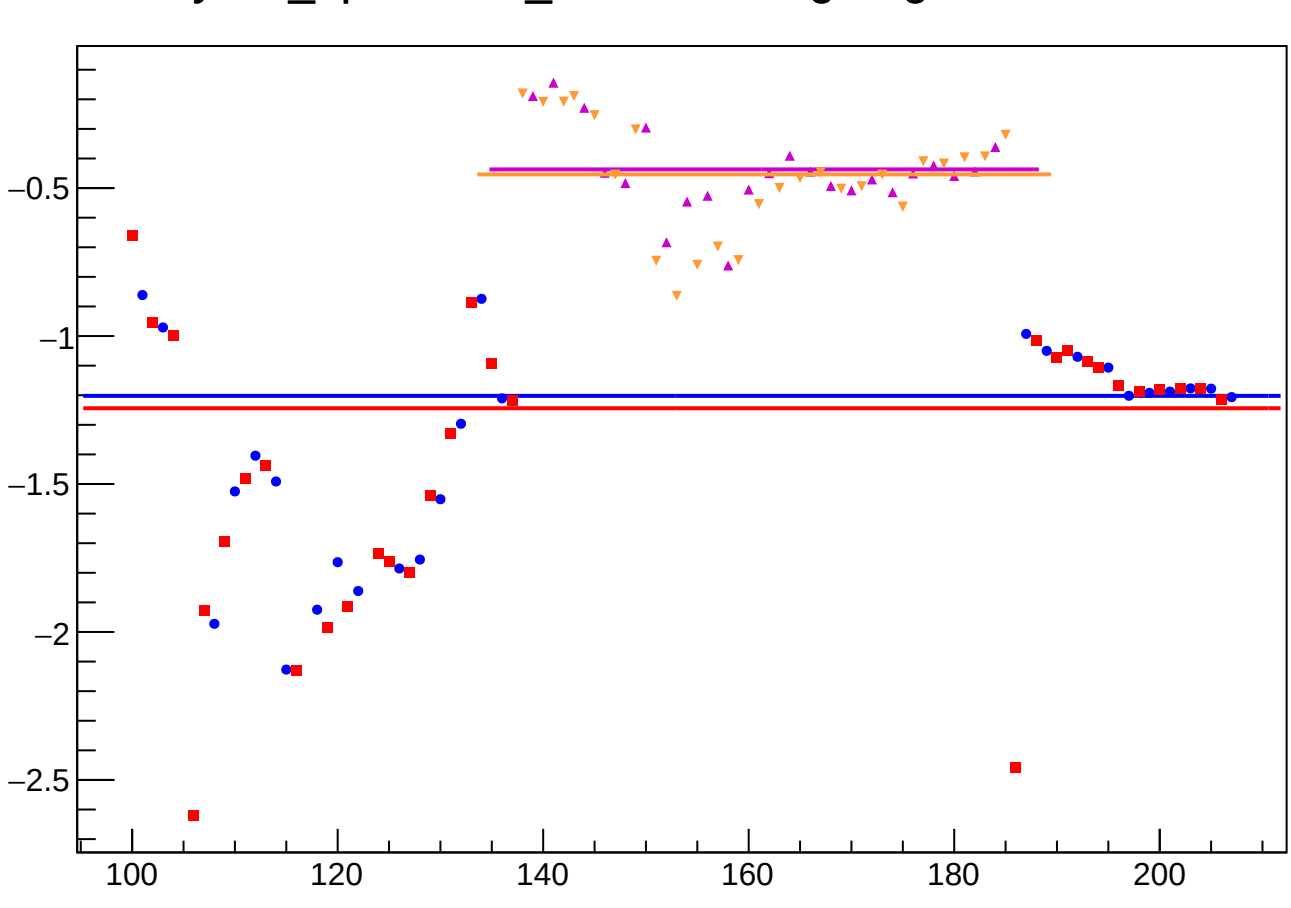
Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

Right: 0.006+/-0.000 χ^2/NDF: 4850406.2/56

In: 0.006+/-0.000 χ^2/NDF:3795031.8/48

Out: 0.006+/-0.000 χ^2/NDF:3761258.7/55

All: 0.006+/-0.000 χ^2/NDF: 7557785.5/104



Right In: -1.202+/-0.000 χ^2/NDF: 27125953086.1/25

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.244+/-0.000 χ^2/NDF: 72207875260.1/30

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

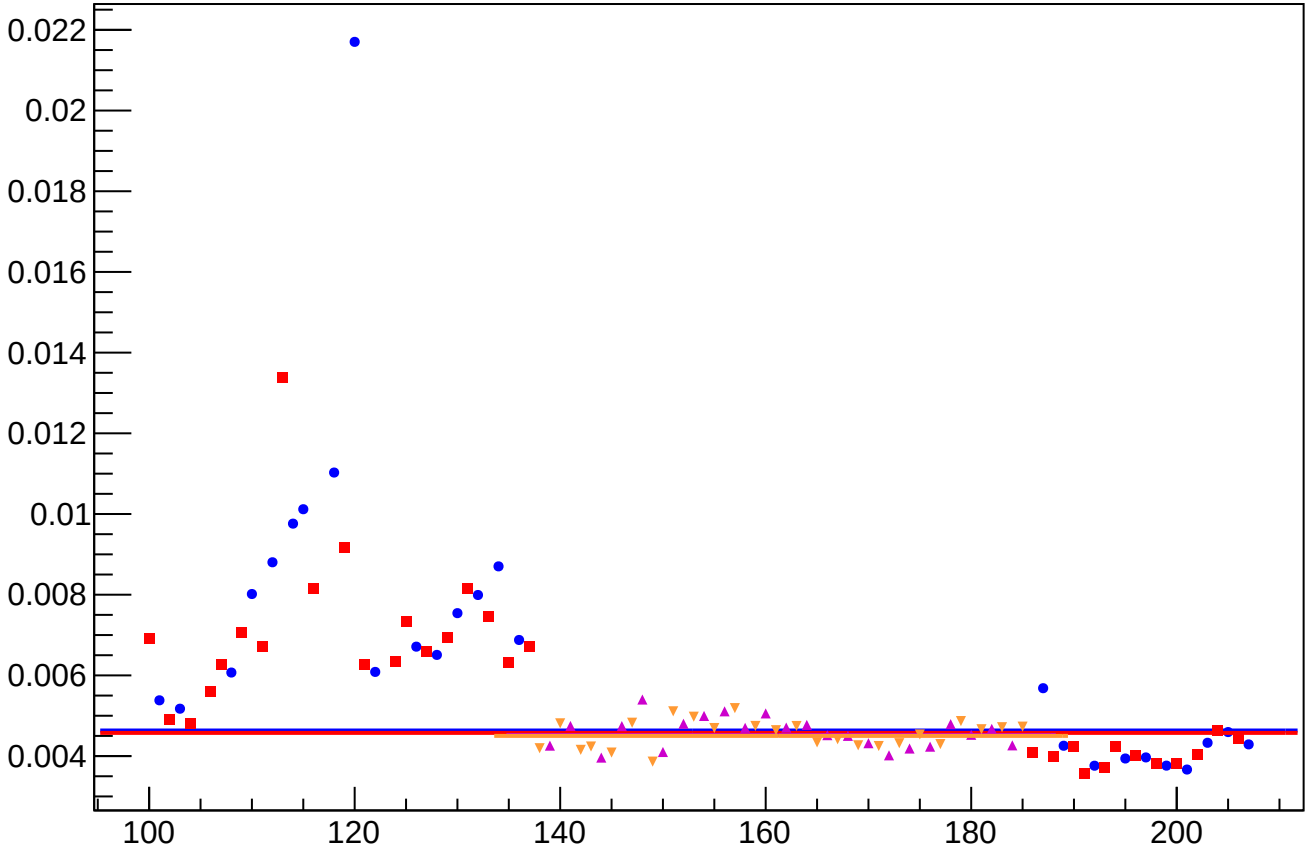
Right: -1.225+/-0.000 χ^2/NDF: 99862915847.4/56

In: -0.749+/-0.000 χ^2/NDF:238598272906.2/48

Out: -0.792+/-0.000 χ^2/NDF:333730481904.7/55

All: -0.772+/-0.000 χ^2/NDF: 573622666909.2

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2155244.8/25

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

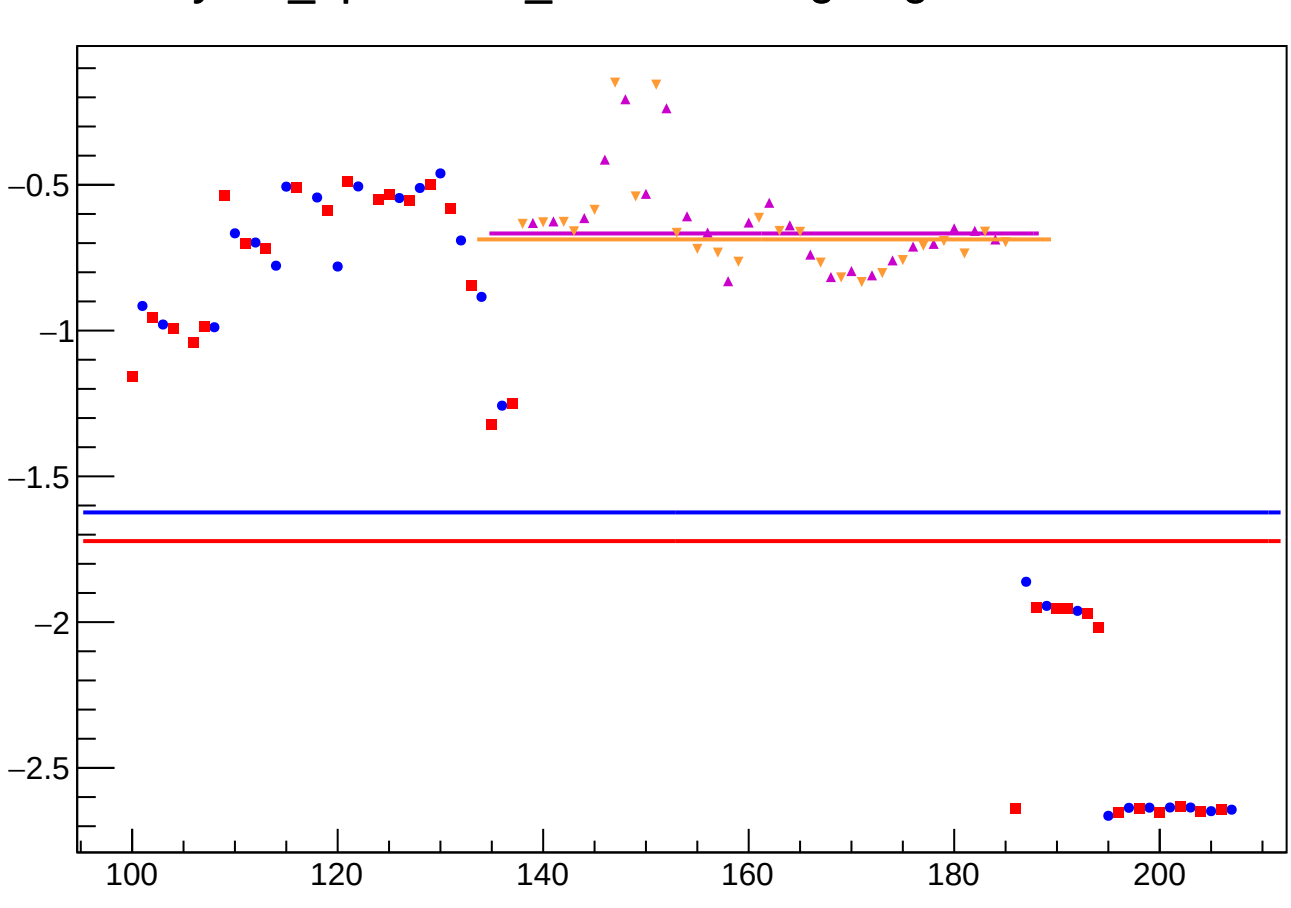
Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

Right: 0.005+/-0.000 χ^2/NDF: 4003834.6/56

In: 0.005+/-0.000 χ^2/NDF:2375857.7/48

Out: 0.005+/-0.000 χ^2/NDF:2039851.3/55

All: 0.005+/-0.000 χ^2/NDF: 4417385.7/104



Right In: -1.624+/-0.000 χ^2/NDF: 242922005998.7/25

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

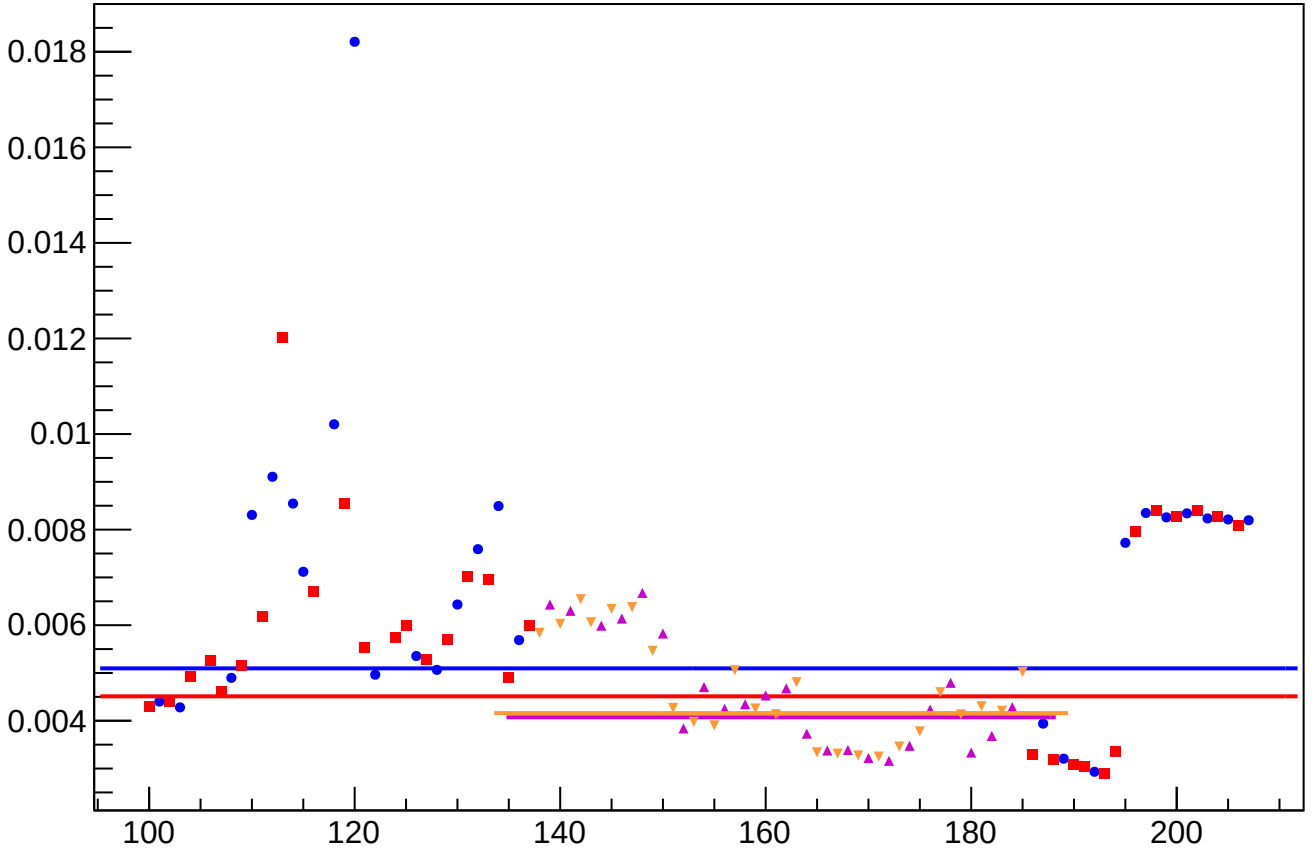
Right: -1.681+/-0.000 χ^2/NDF: 543843501321.1/56

In: -0.972+/-0.000 χ^2/NDF:543615940356.6/48

Out: -1.096+/-0.000 χ^2/NDF:729104736824.3/55

All: -1.038+/-0.000 χ^2/NDF: 1284157762424

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 4147622.3/25

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

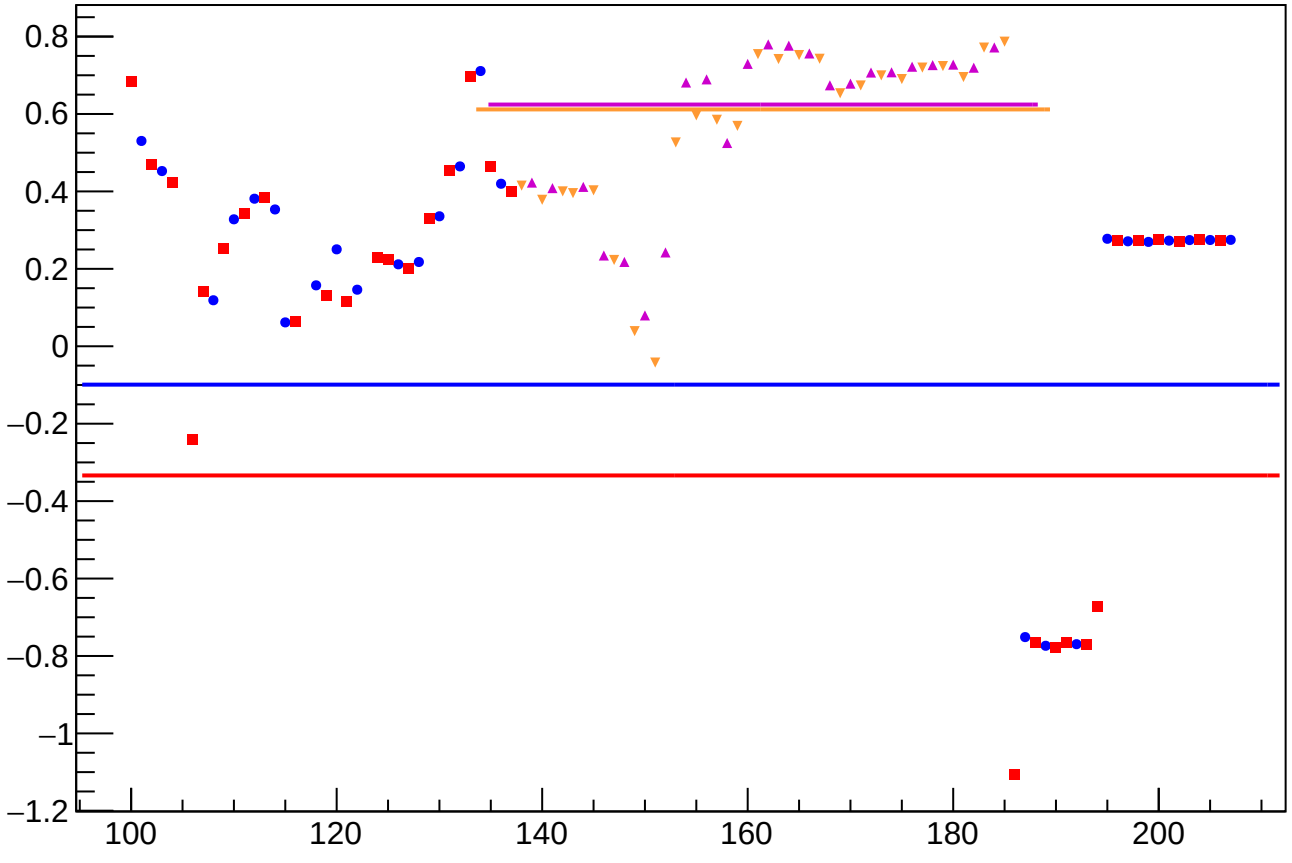
Right: 0.005+/-0.000 χ^2/NDF: 8703191.8/56

In: 0.004+/-0.000 χ^2/NDF:6534545.7/48

Out: 0.004+/-0.000 χ^2/NDF:5990355.4/55

All: 0.004+/-0.000 χ^2/NDF: 12539925.4/104

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.000 χ^2/NDF: 308691590580.9/25

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

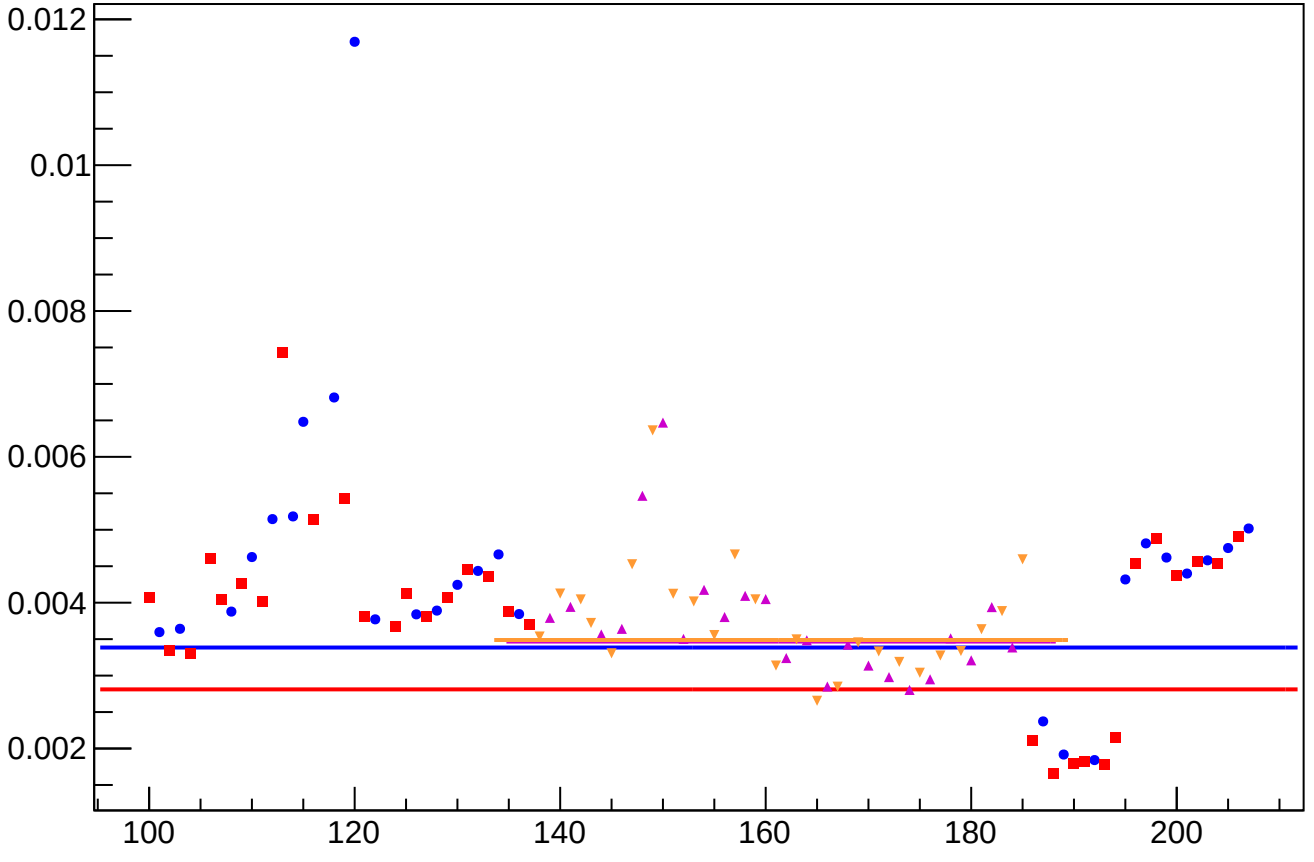
Right: -0.241+/-0.000 χ^2/NDF: 831802970764.4/56

In: 0.296+/-0.000 χ^2/NDF:650199821055.3/48

Out: 0.093+/-0.000 χ^2/NDF:1180273584553.5/55

All: 0.183+/-0.000 χ^2/NDF: 1883445570773.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3563462.3/25

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

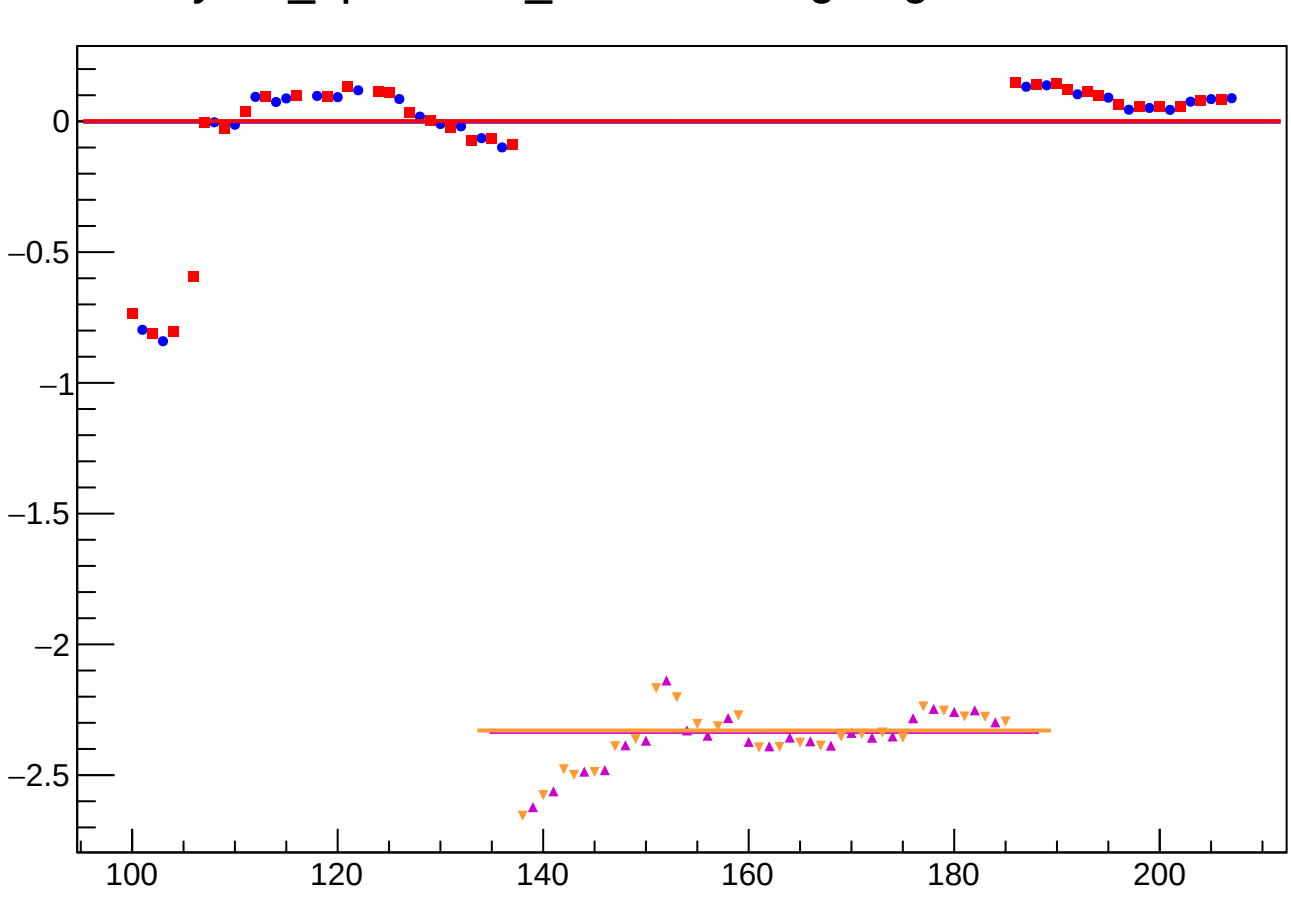
Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

Right: 0.003+/-0.000 χ^2/NDF: 8882706.8/56

In: 0.003+/-0.000 χ^2/NDF:4465299.1/48

Out: 0.003+/-0.000 χ^2/NDF:6414064.0/55

All: 0.003+/-0.000 χ^2/NDF: 11132498.2/104



Right In: -0.001+/-0.000 χ^2/NDF: 6523952873.2/25

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

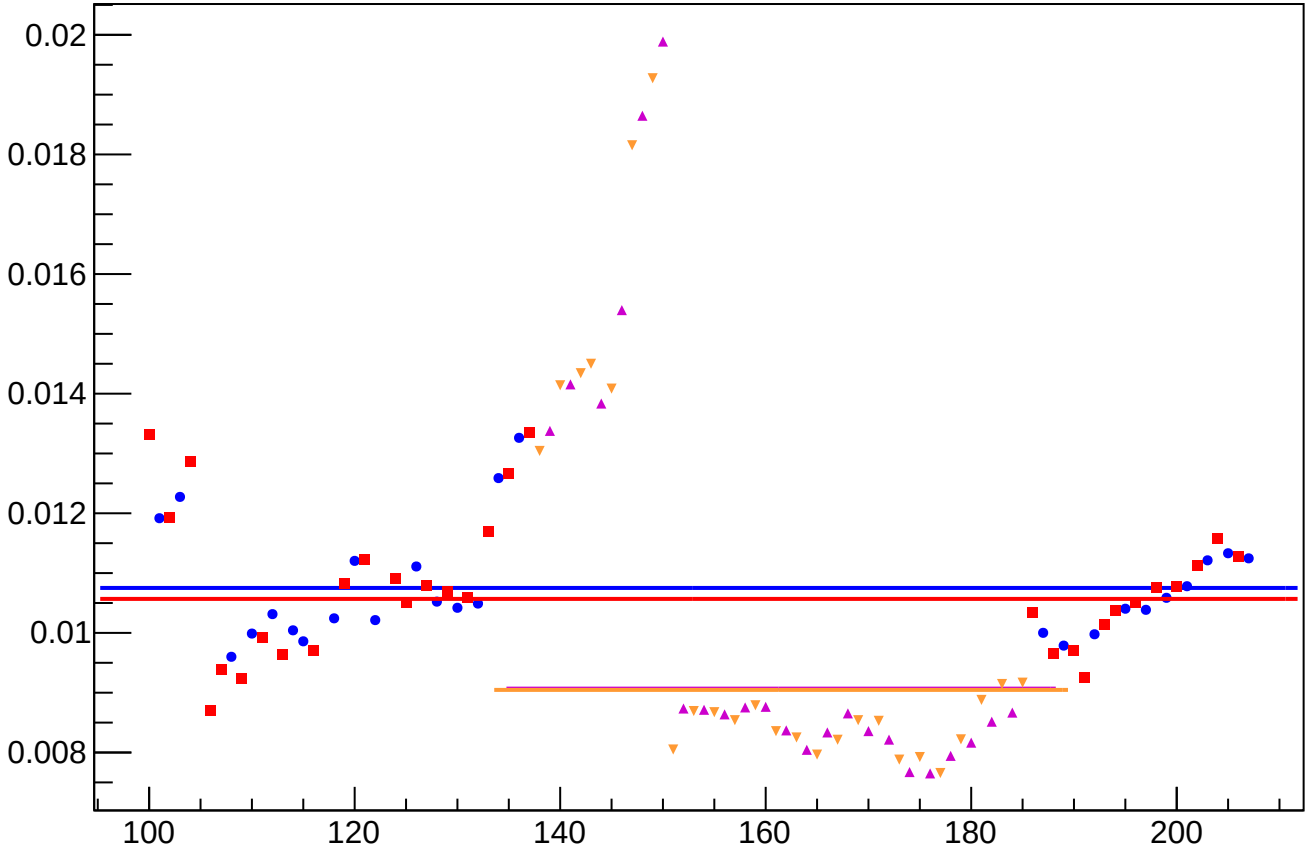
Right: -0.000+/-0.000 χ^2/NDF: 14321612867.6/56

In: -1.448+/-0.000 χ^2/NDF:440051132239.2/48

Out: -1.408+/-0.000 χ^2/NDF:487063606584.6/55

All: -1.427+/-0.000 χ^2/NDF: 927399111603.5

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 179521.7/25

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

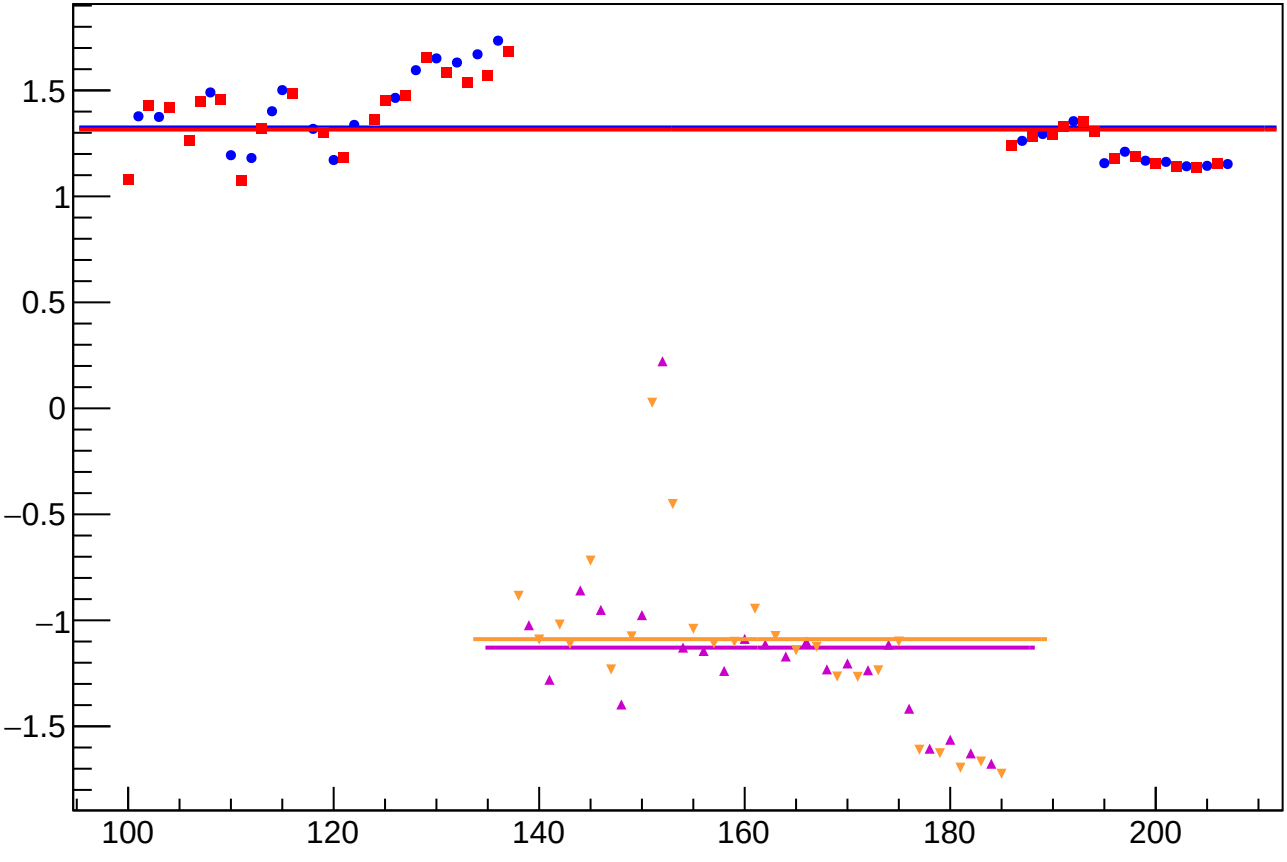
Right: 0.011+/-0.000 χ^2/NDF: 438290.6/56

In: 0.010+/-0.000 χ^2/NDF:2763306.2/48

Out: 0.010+/-0.000 χ^2/NDF:2709850.4/55

All: 0.010+/-0.000 χ^2/NDF: 5474385.1/104

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.325+/-0.000 χ^2/NDF: 8133339625.0/25

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

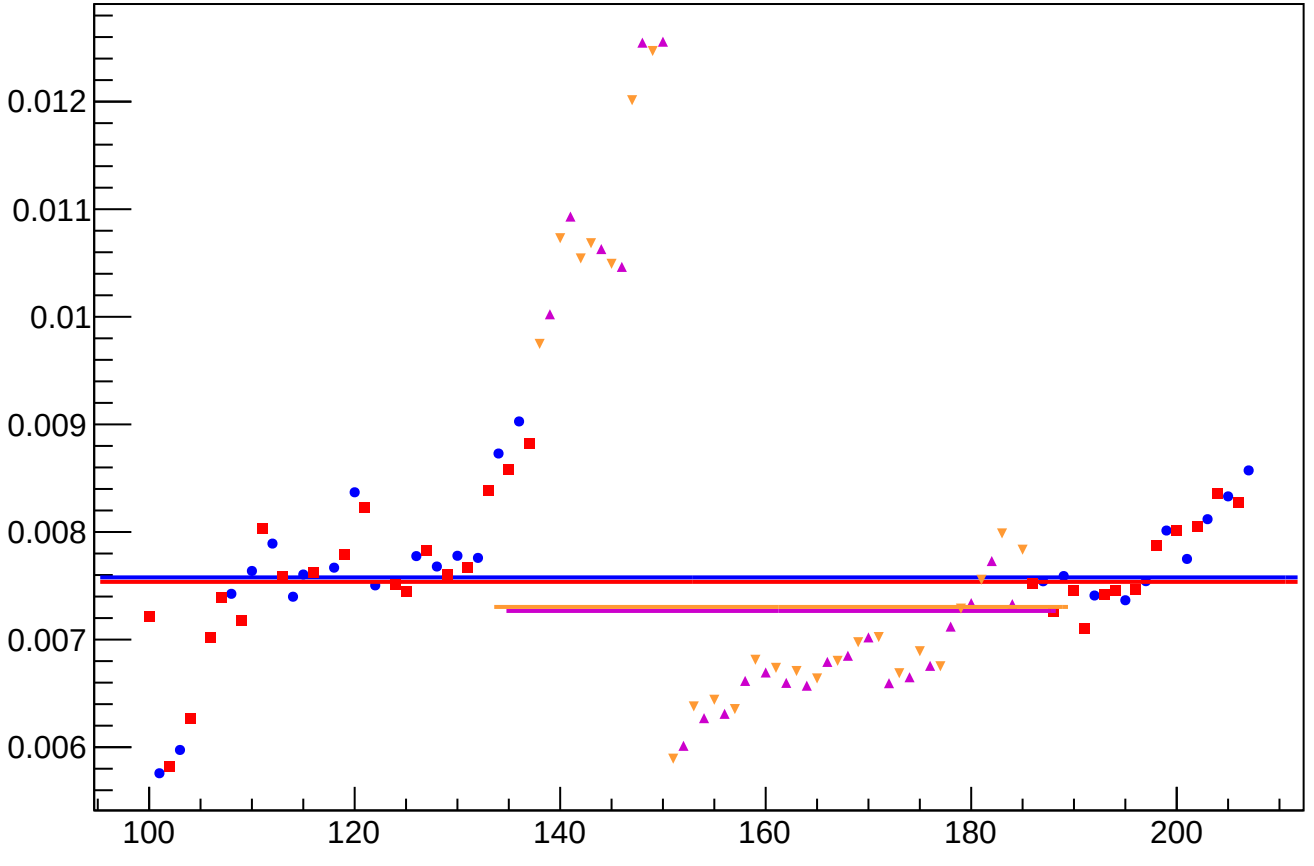
Right: 1.320+/-0.000 χ^2/NDF: 14459775224.2/56

In: -0.058+/-0.000 χ^2/NDF:936231715432.9/48

Out: -0.001+/-0.000 χ^2/NDF:972987914778.9/55

All: -0.029+/-0.000 χ^2/NDF: 1910198196925

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 338556.3/25

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

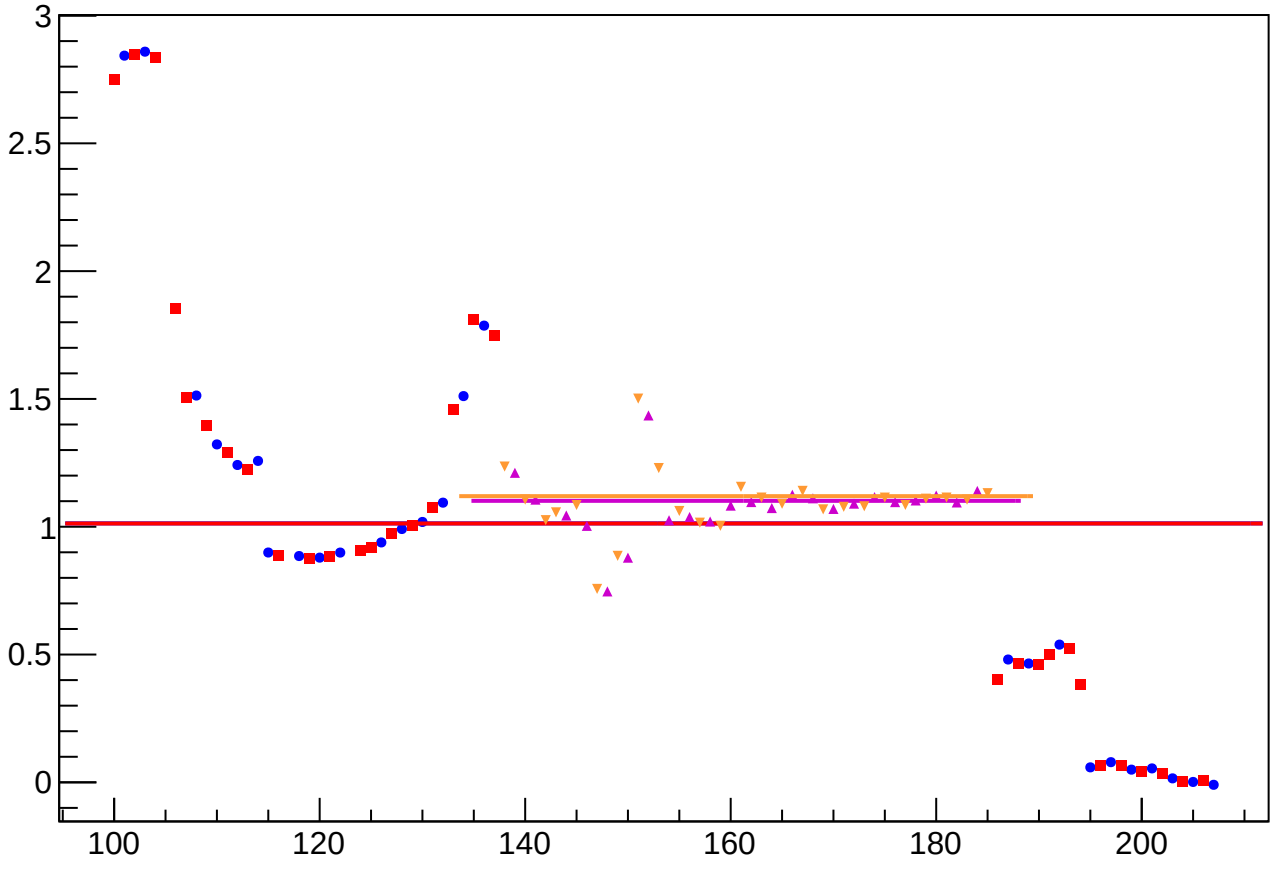
Right: 0.008+/-0.000 χ^2/NDF: 599768.6/56

In: 0.007+/-0.000 χ^2/NDF:1926725.7/48

Out: 0.007+/-0.000 χ^2/NDF:1781850.9/55

All: 0.007+/-0.000 χ^2/NDF: 3708602.9/104

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.013+/-0.000 χ^2/NDF: 132485299828.5/25

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

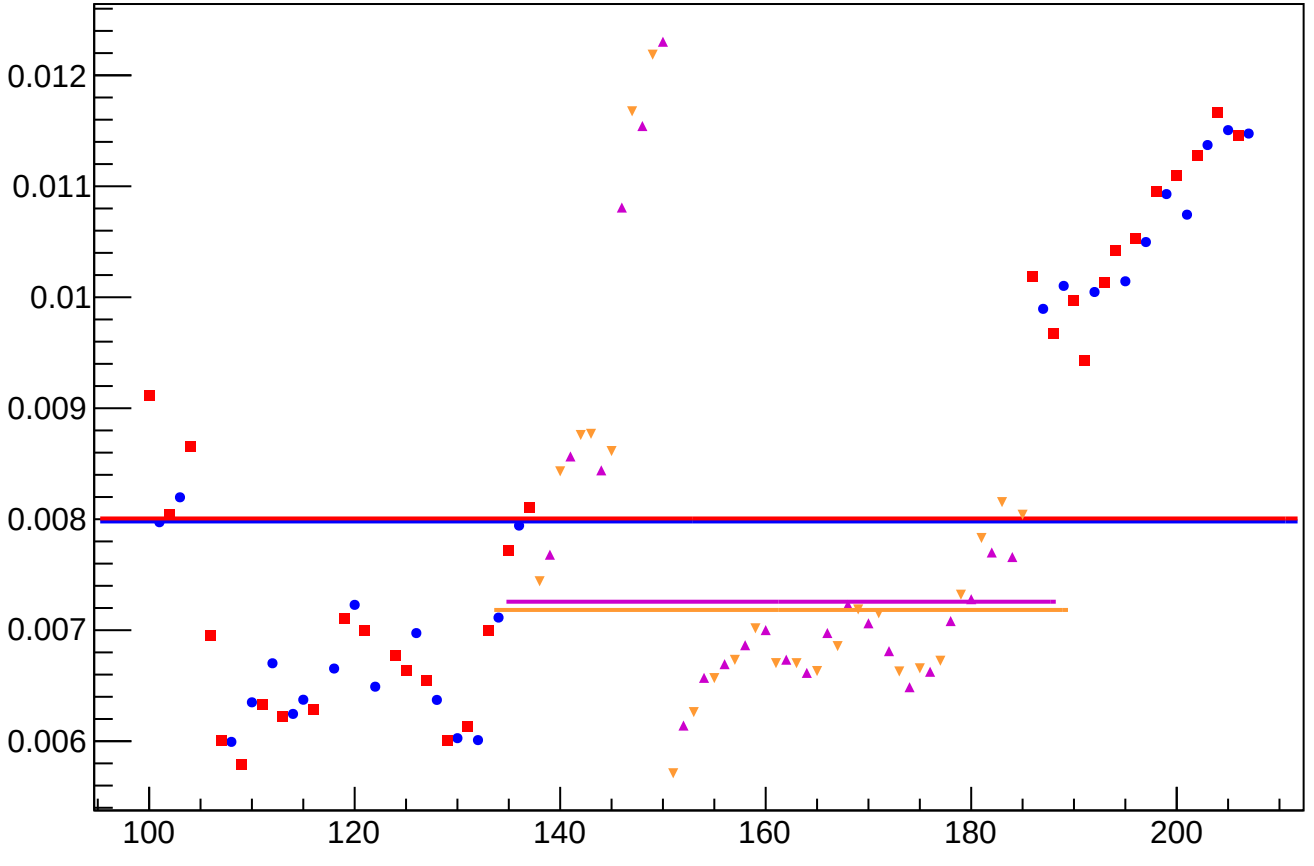
Right: 1.013+/-0.000 χ^2/NDF: 263128309422.3/56

In: 1.066+/-0.000 χ^2/NDF:137719913423.5/48

Out: 1.077+/-0.000 χ^2/NDF:137805771465.2/55

All: 1.072+/-0.000 χ^2/NDF: 275557187603.1

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1631775.6/25

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

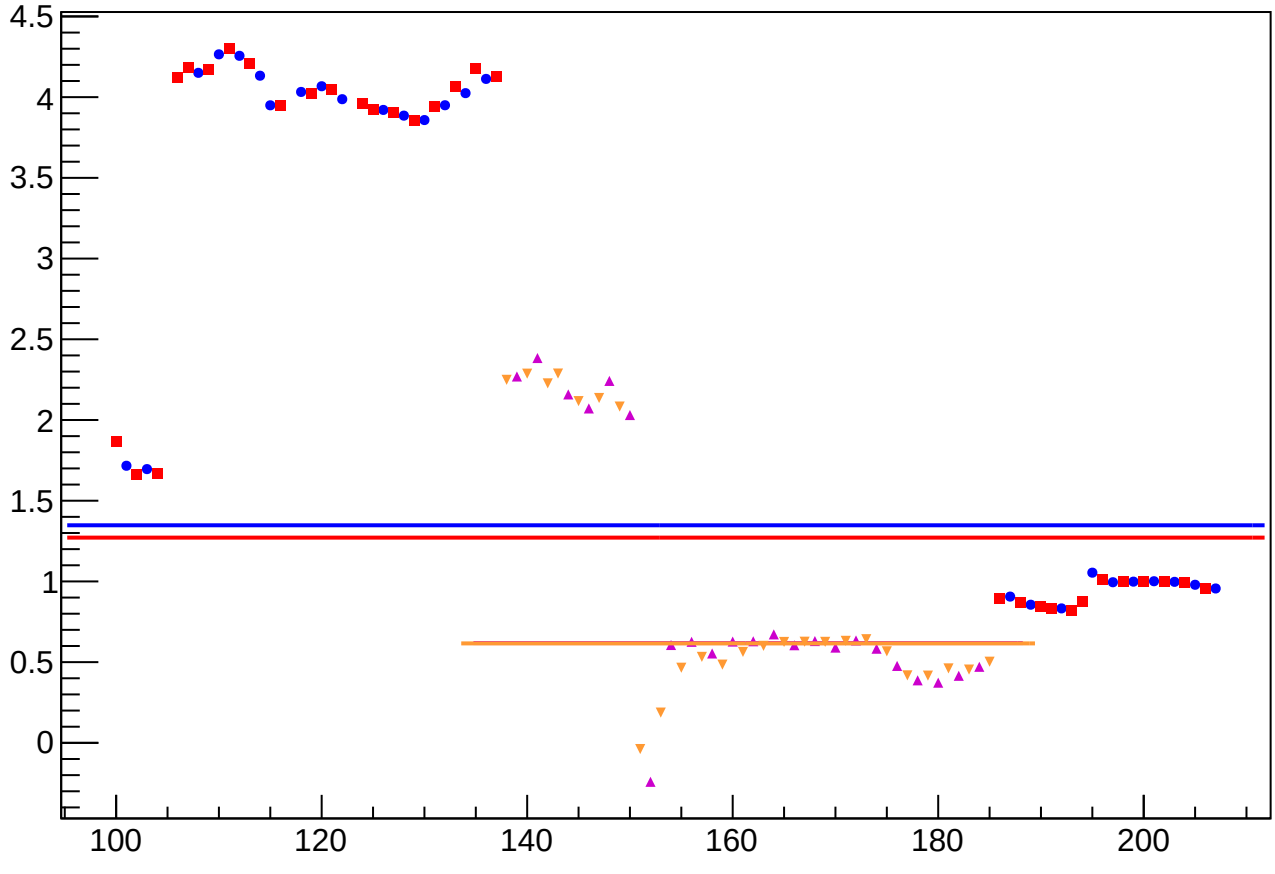
Right: 0.008+/-0.000 χ^2/NDF: 3503835.6/56

In: 0.008+/-0.000 χ^2/NDF:2687333.7/48

Out: 0.008+/-0.000 χ^2/NDF:2961280.8/55

All: 0.008+/-0.000 χ^2/NDF: 5649174.6/104

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.348+/-0.000 χ^2/NDF: 1569504523944.3/25

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

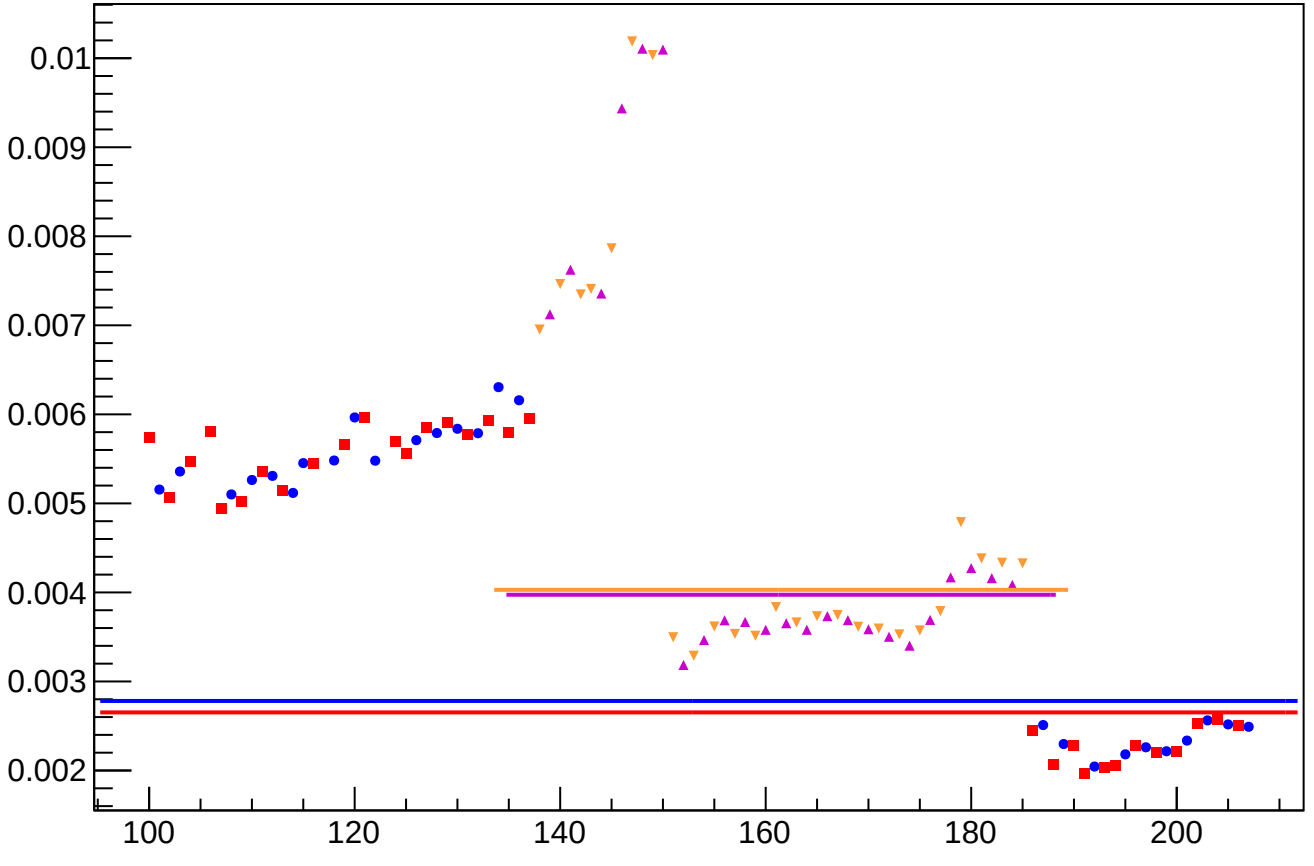
Right: 1.306+/-0.000 χ^2/NDF: 3330142211519.0/56

In: 1.059+/-0.000 χ^2/NDF:2154304005062.6/48

Out: 1.037+/-0.000 χ^2/NDF:2299005025820.7/55

All: 1.047+/-0.000 χ^2/NDF: 4454000583996.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4353731.4/25

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

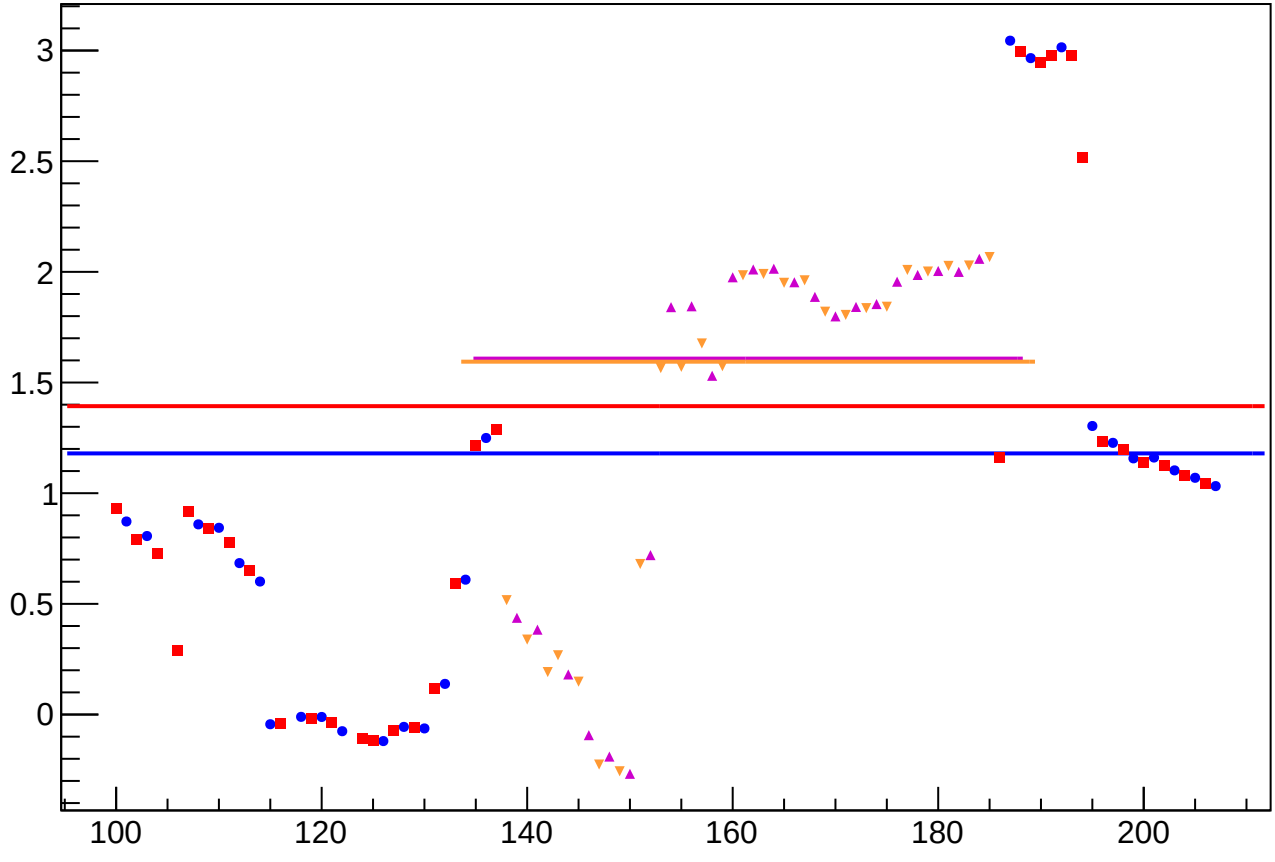
Right: 0.003+/-0.000 χ^2/NDF: 9060423.6/56

In: 0.003+/-0.000 χ^2/NDF:9242947.0/48

Out: 0.003+/-0.000 χ^2/NDF:10216189.5/55

All: 0.003+/-0.000 χ^2/NDF: 19491306.4/104

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.180+/-0.000 χ^2/NDF: 77709994393.5/25

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

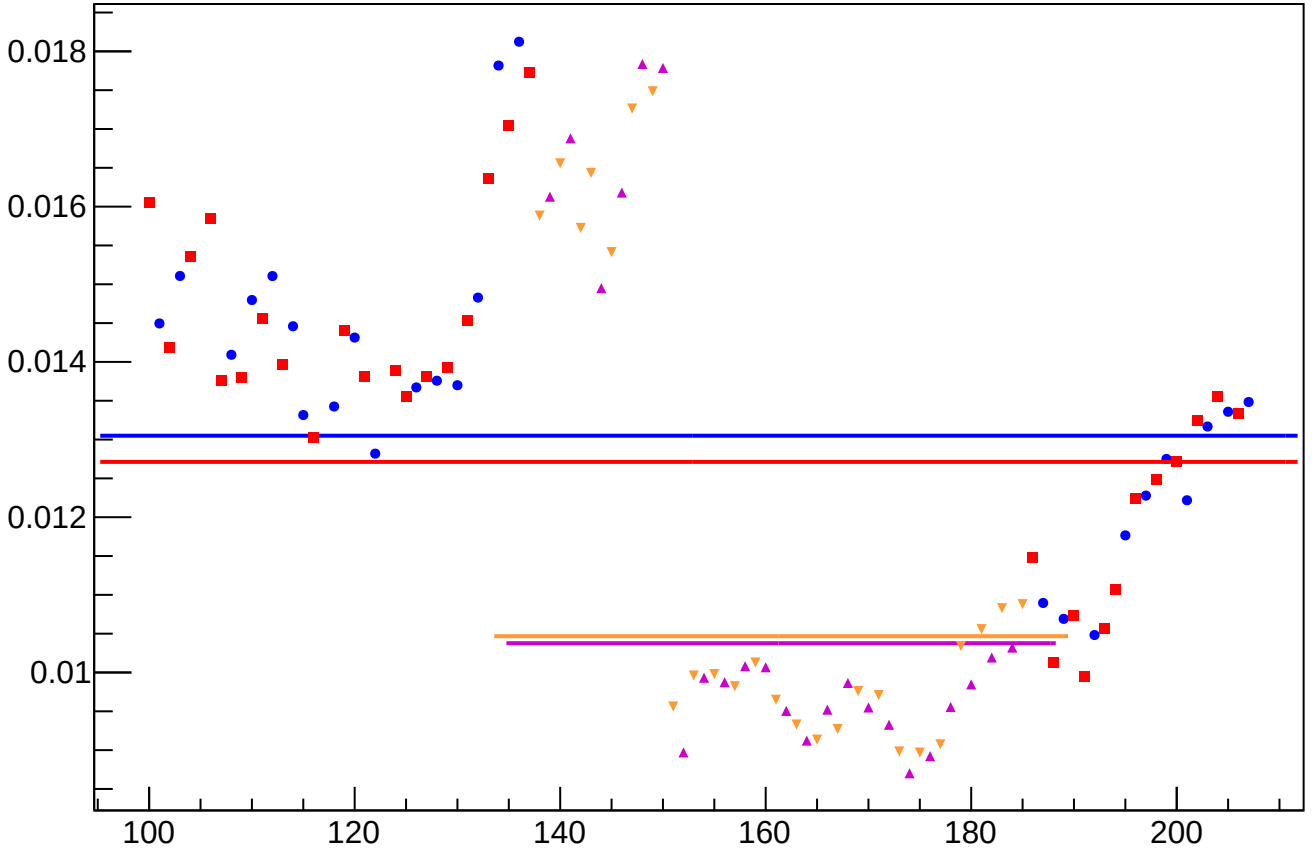
Right: 1.294+/-0.000 χ^2/NDF: 185420210207.3/56

In: 1.459+/-0.000 χ^2/NDF:154339117376.0/48

Out: 1.520+/-0.000 χ^2/NDF:170756625225.0/55

All: 1.491+/-0.000 χ^2/NDF: 325561020533.5

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 505001.4/25

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

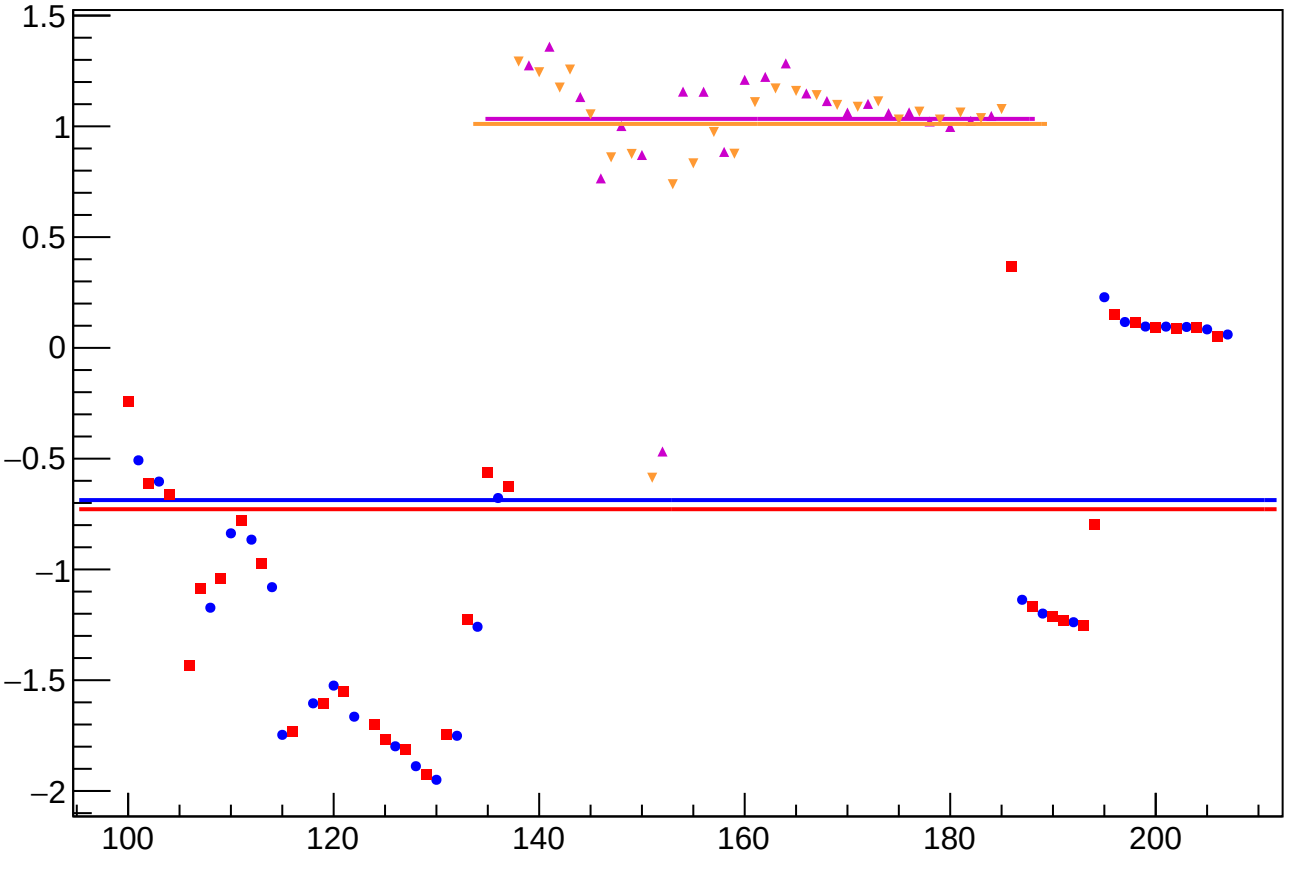
Right: 0.013+/-0.000 χ^2/NDF: 1121002.7/56

In: 0.011+/-0.000 χ^2/NDF:3011913.3/48

Out: 0.011+/-0.000 χ^2/NDF:2889926.9/55

All: 0.011+/-0.000 χ^2/NDF: 5901847.5/104

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.687+/-0.000 χ^2/NDF: 181479502789.6/25

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

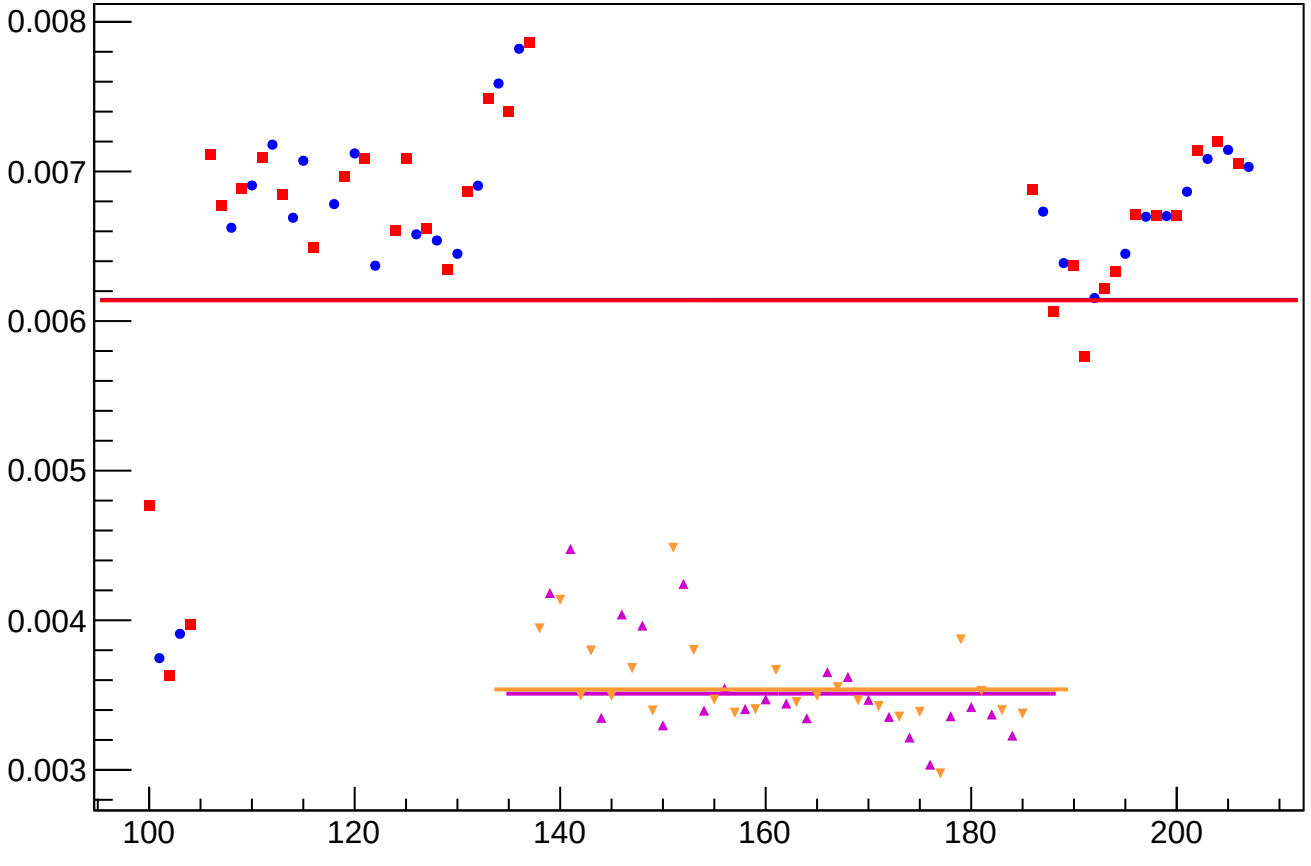
Right: -0.709+/-0.000 χ^2/NDF: 350964589233.4/56

In: 0.669+/-0.000 χ^2/NDF:1152160200919.1/48

Out: 0.627+/-0.000 χ^2/NDF:1217385486230.1/55

All: 0.647+/-0.000 χ^2/NDF: 2371025013136.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1168970.6/25

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

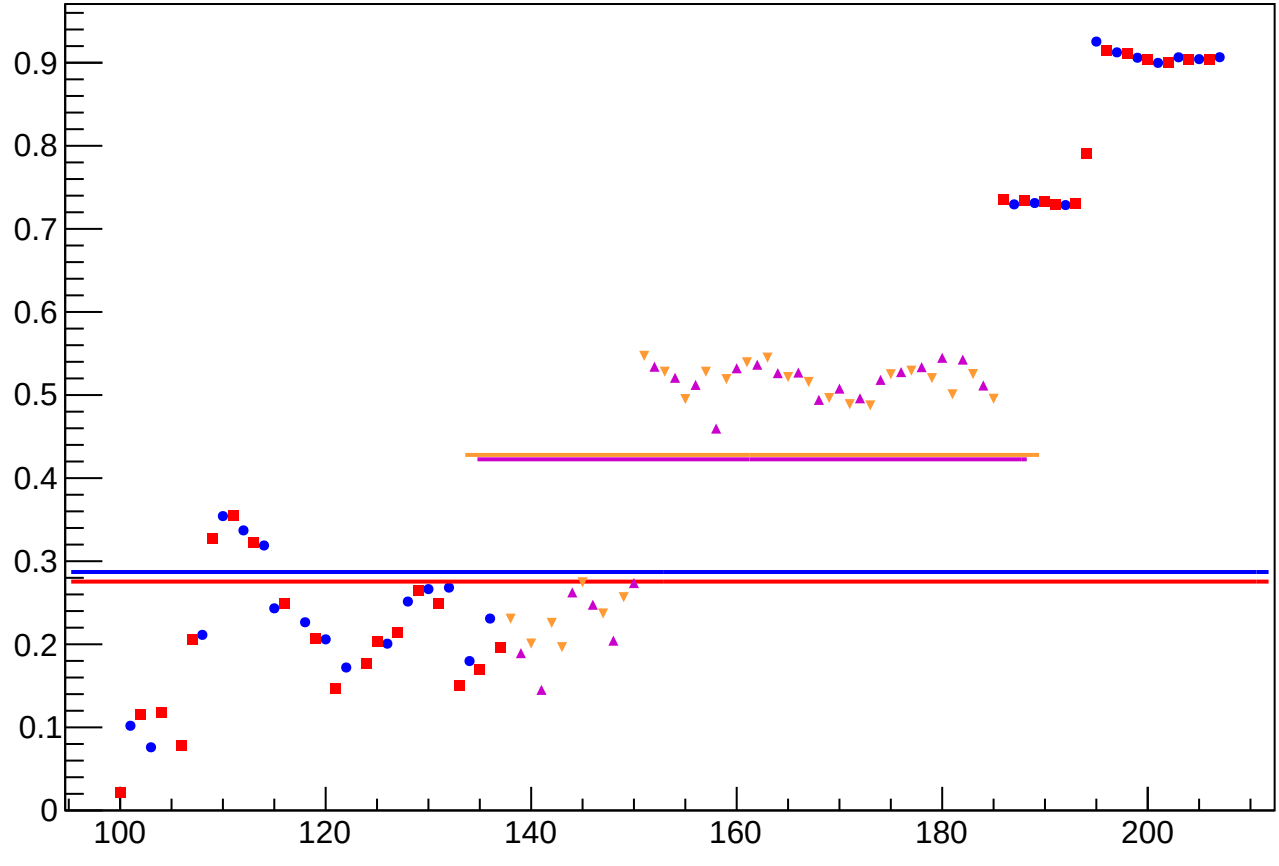
Right: 0.006+/-0.000 χ^2/NDF: 2385371.8/56

In: 0.004+/-0.000 χ^2/NDF:5410020.3/48

Out: 0.004+/-0.000 χ^2/NDF:5624566.9/55

All: 0.004+/-0.000 χ^2/NDF: 11037873.3/104

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.287+/-0.000 χ^2/NDF: 171978077716.2/25

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

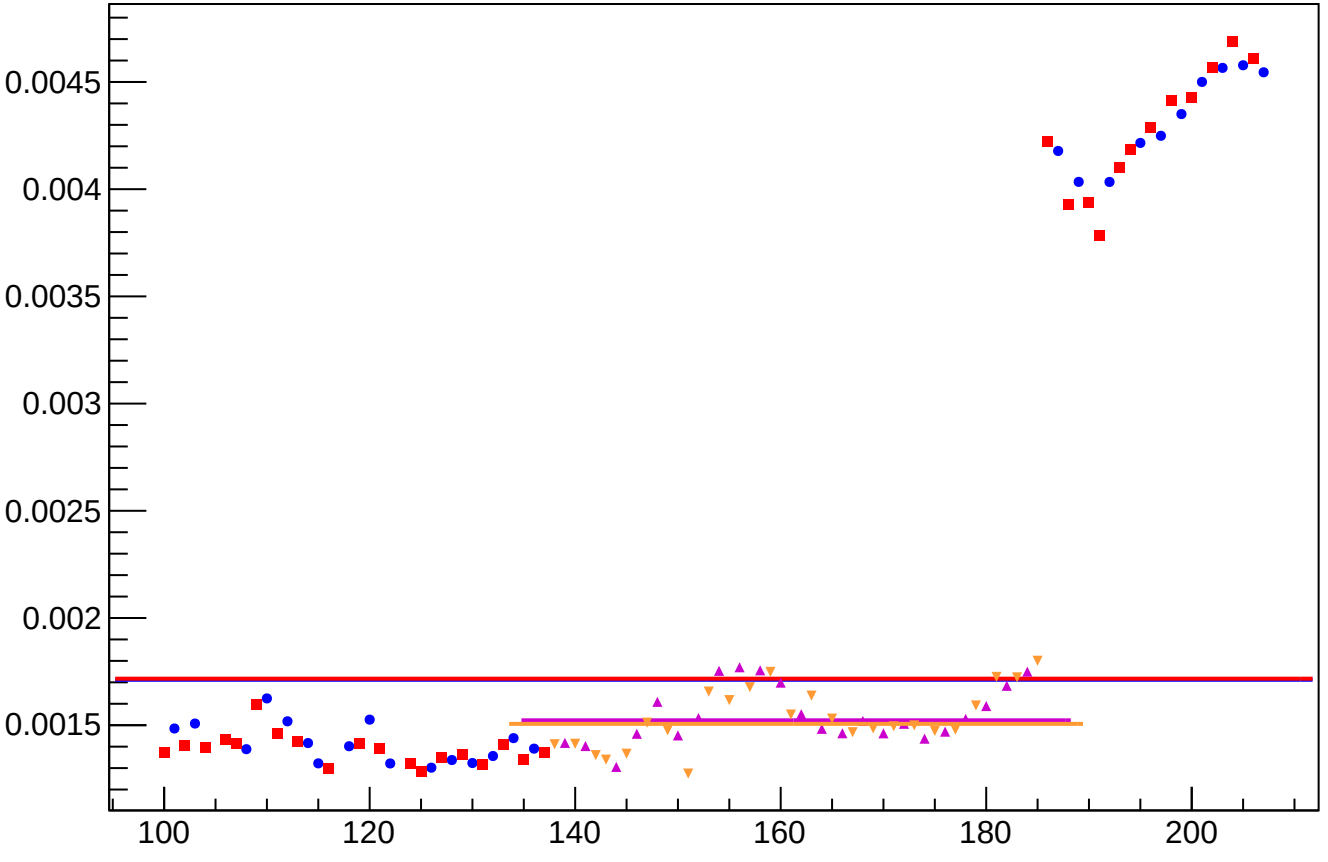
Right: 0.281+/-0.000 χ^2/NDF: 366905937012.8/56

In: 0.377+/-0.000 χ^2/NDF:377967984418.4/48

Out: 0.376+/-0.000 χ^2/NDF:414359526365.1/55

All: 0.377+/-0.000 χ^2/NDF: 792329785497.2

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6349797.5/25

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

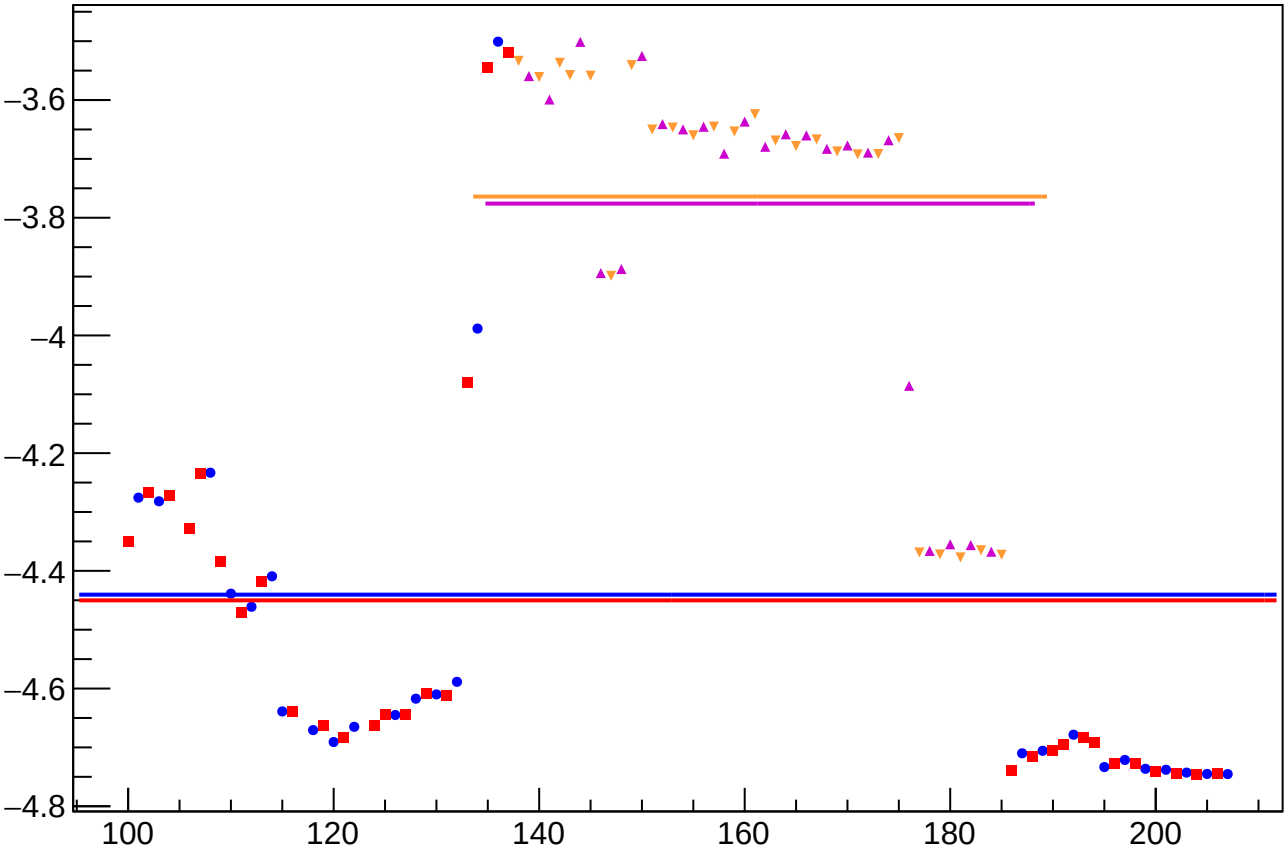
Right: 0.002+/-0.000 χ^2/NDF: 13645673.4/56

In: 0.002+/-0.000 χ^2/NDF:6770493.5/48

Out: 0.002+/-0.000 χ^2/NDF:7826581.8/55

All: 0.002+/-0.000 χ^2/NDF: 14598060.0/104

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.440+/-0.000 χ^2/NDF: 423128911024.3/25

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

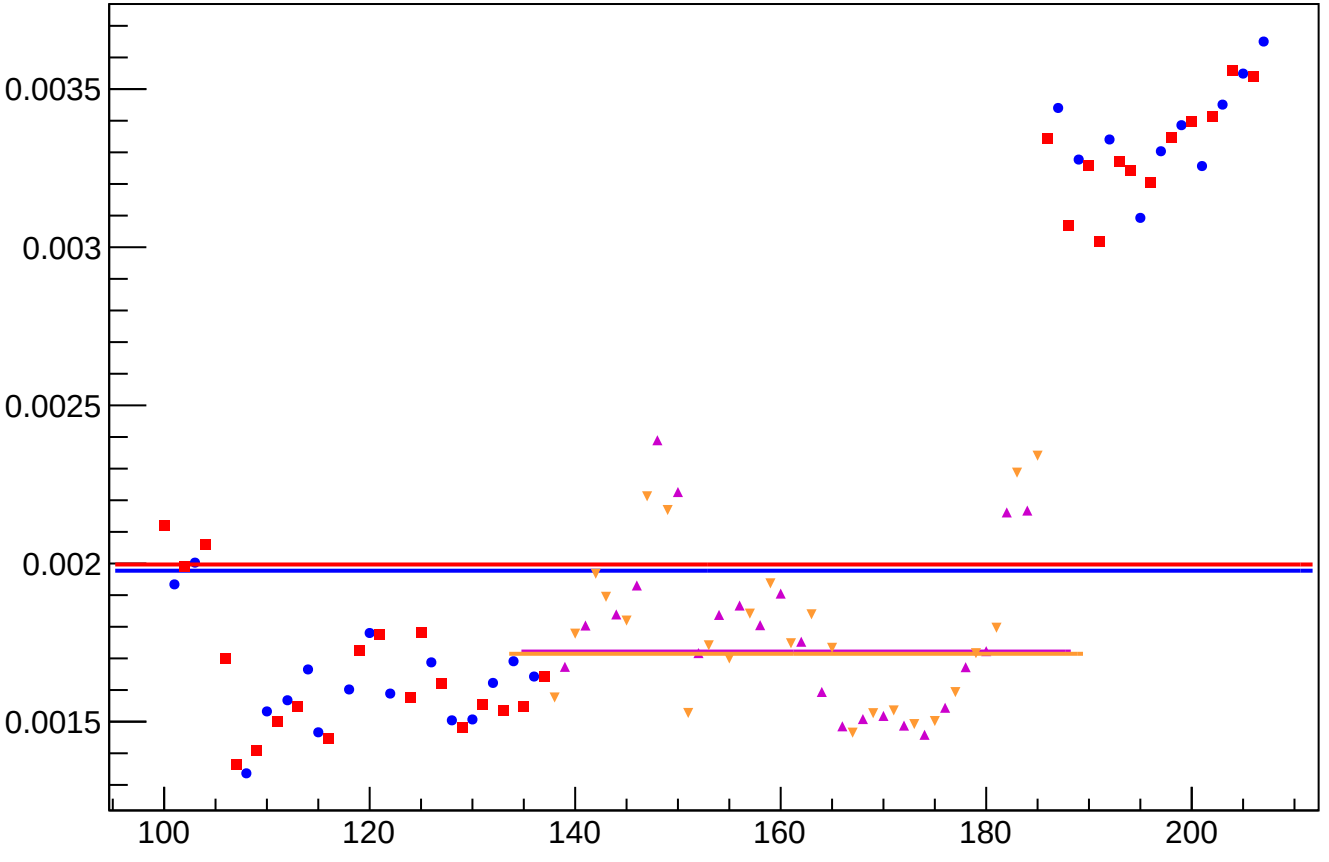
Right: -4.445+/-0.000 χ^2/NDF: 797592822282.1/56

In: -4.013+/-0.000 χ^2/NDF:1760887052999.5/48

Out: -4.011+/-0.000 χ^2/NDF:1928261043670.2/55

All: -4.012+/-0.000 χ^2/NDF: 3689166893943

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3426185.6/25

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

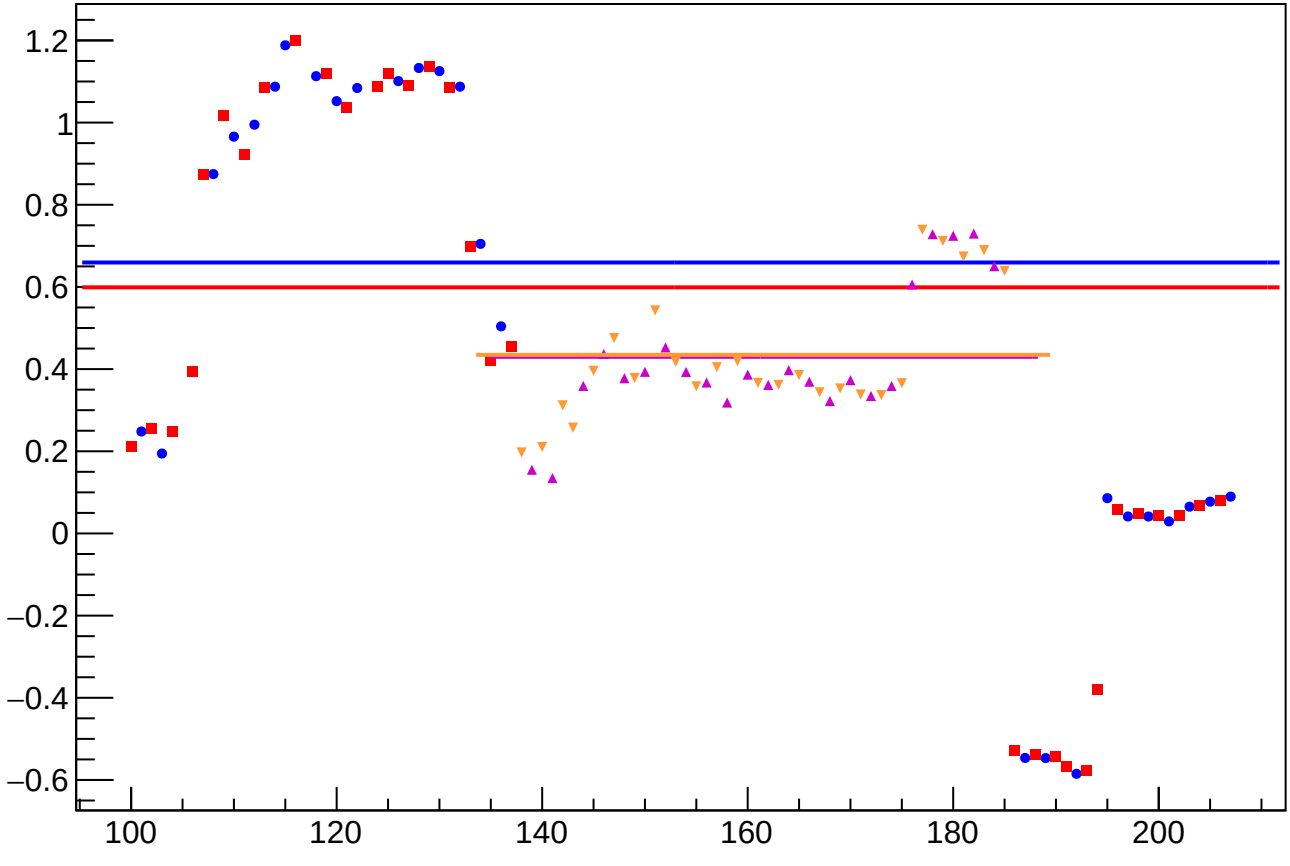
Right: 0.002+/-0.000 χ^2/NDF: 7279663.5/56

In: 0.002+/-0.000 χ^2/NDF:4284813.2/48

Out: 0.002+/-0.000 χ^2/NDF:4777041.9/55

All: 0.002+/-0.000 χ^2/NDF: 9061966.4/104

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.659+/-0.000 χ^2/NDF: 65951197848.1/25

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

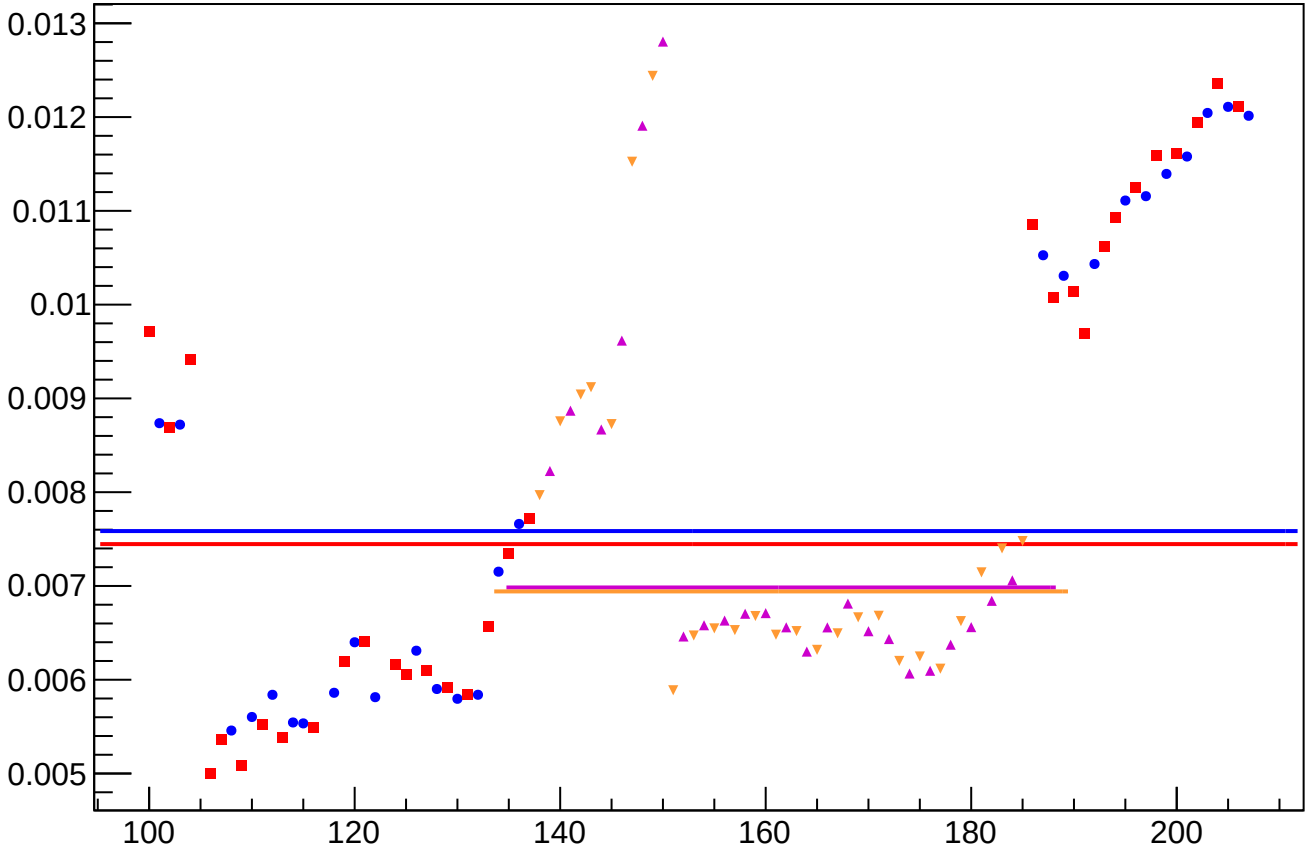
Right: 0.627+/-0.000 χ^2/NDF: 153253109295.9/56

In: 0.520+/-0.000 χ^2/NDF:82523919576.1/48

Out: 0.502+/-0.000 χ^2/NDF:99620643710.0/55

All: 0.511+/-0.000 χ^2/NDF: 182255363187.8

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2604181.6/25

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

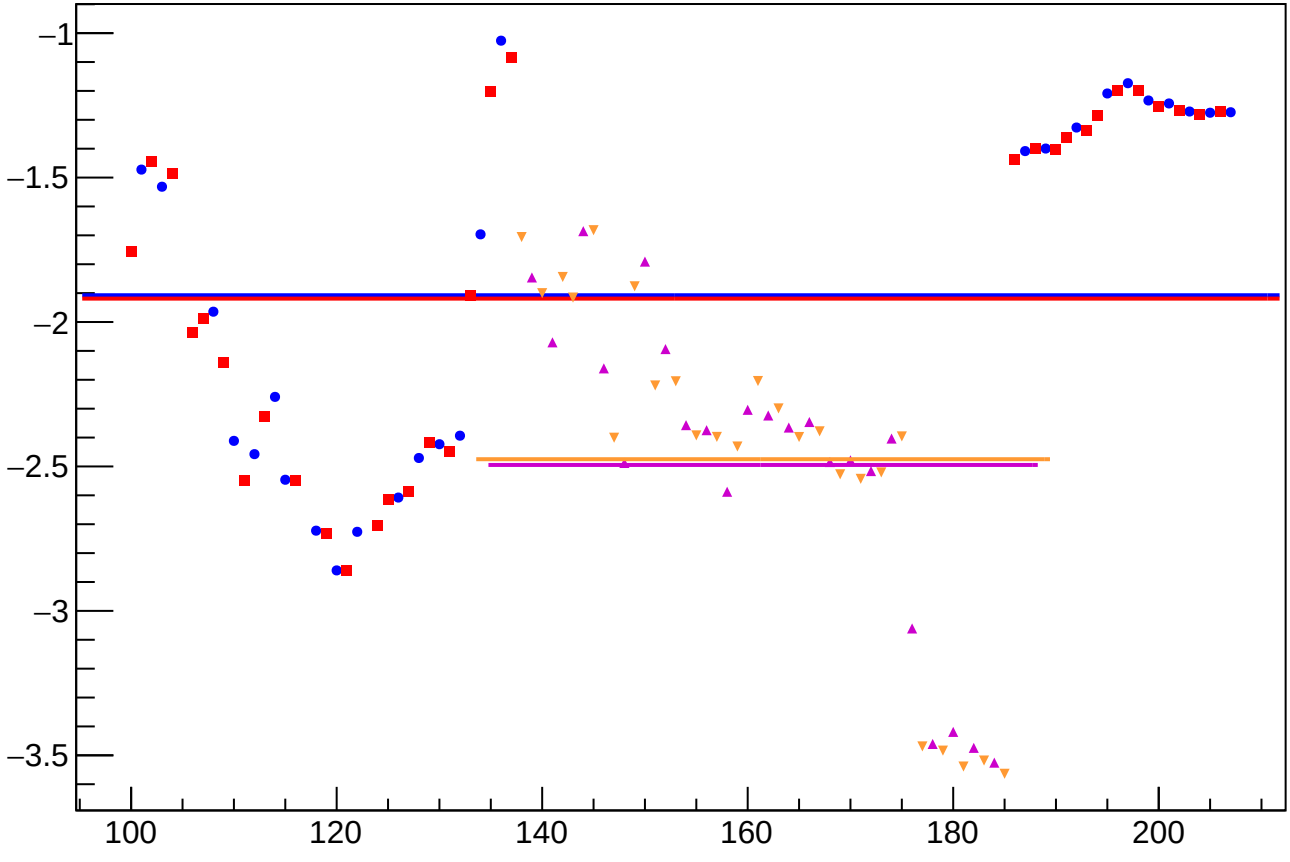
Right: 0.008+/-0.000 χ^2/NDF: 5813752.4/56

In: 0.007+/-0.000 χ^2/NDF:3844108.2/48

Out: 0.007+/-0.000 χ^2/NDF:4376092.3/55

All: 0.007+/-0.000 χ^2/NDF: 8223604.9/104

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.907+/-0.000 χ^2/NDF: 108109088680.0/25

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

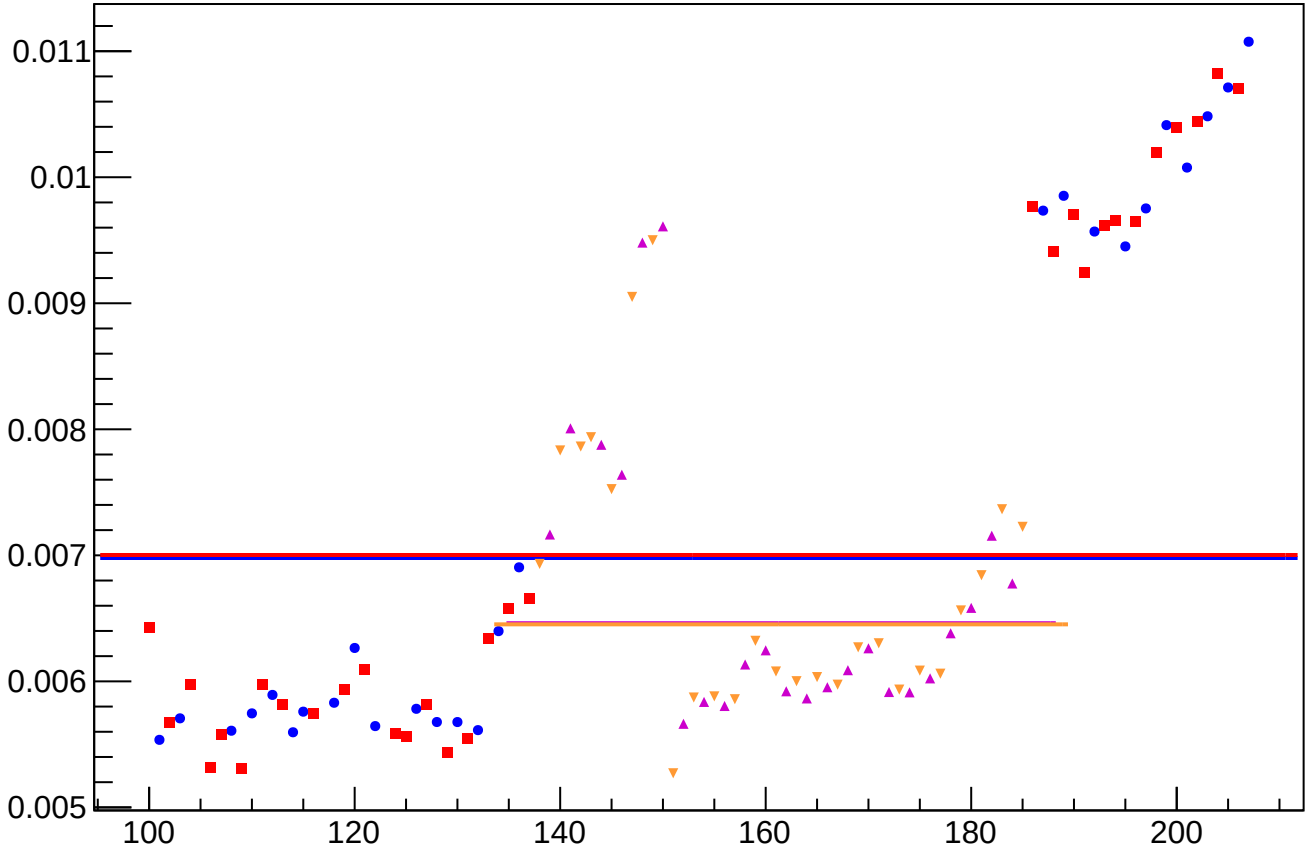
Right: -1.913+/-0.000 χ^2/NDF: 214508778935.5/56

In: -2.260+/-0.000 χ^2/NDF:263985697039.1/48

Out: -2.249+/-0.000 χ^2/NDF:286405483487.9/55

All: -2.255+/-0.000 χ^2/NDF: 550438148799.9

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2097816.8/25

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

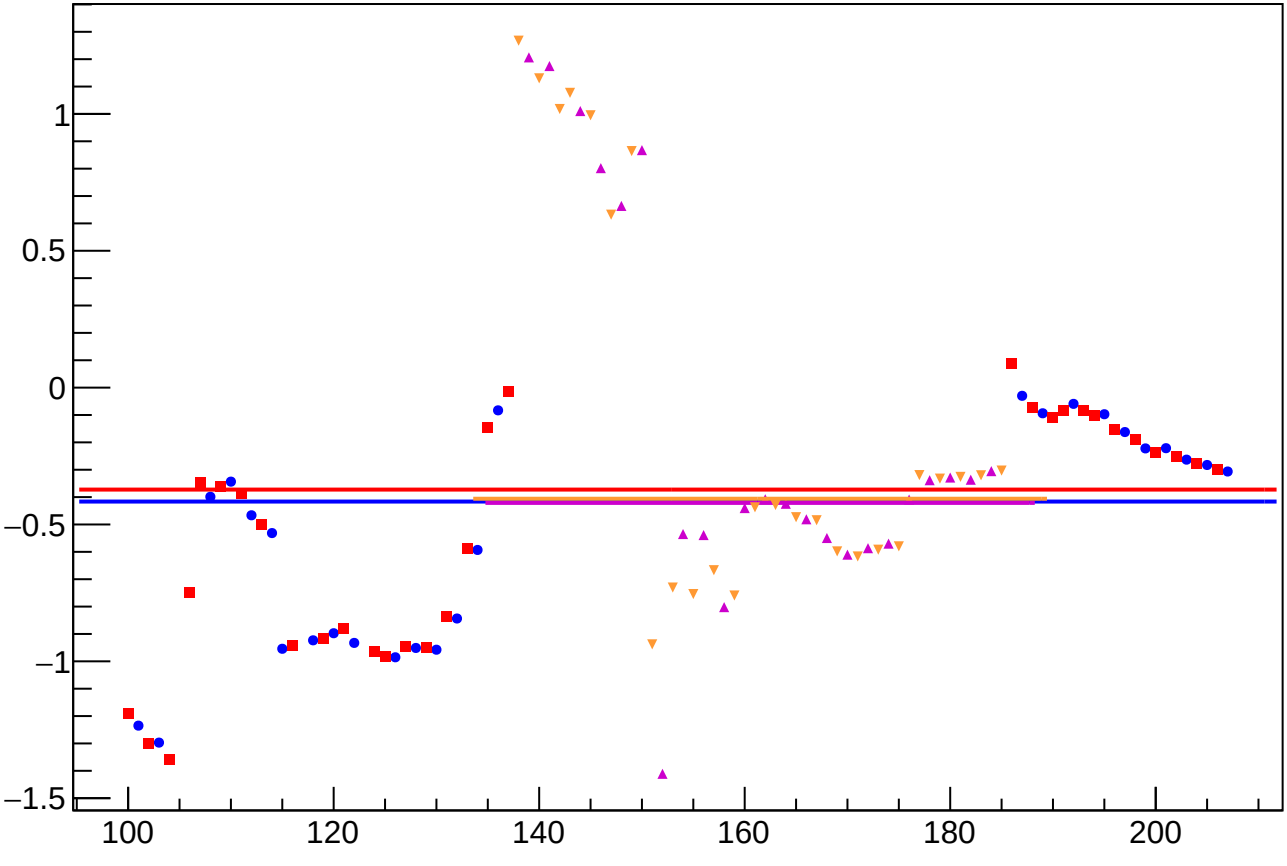
Right: 0.007+/-0.000 χ^2/NDF: 4448365.0/56

In: 0.007+/-0.000 χ^2/NDF:2910147.9/48

Out: 0.007+/-0.000 χ^2/NDF:3175430.7/55

All: 0.007+/-0.000 χ^2/NDF: 6085626.3/104

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.416+/-0.000 χ^2/NDF: 24030681436.5/25

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

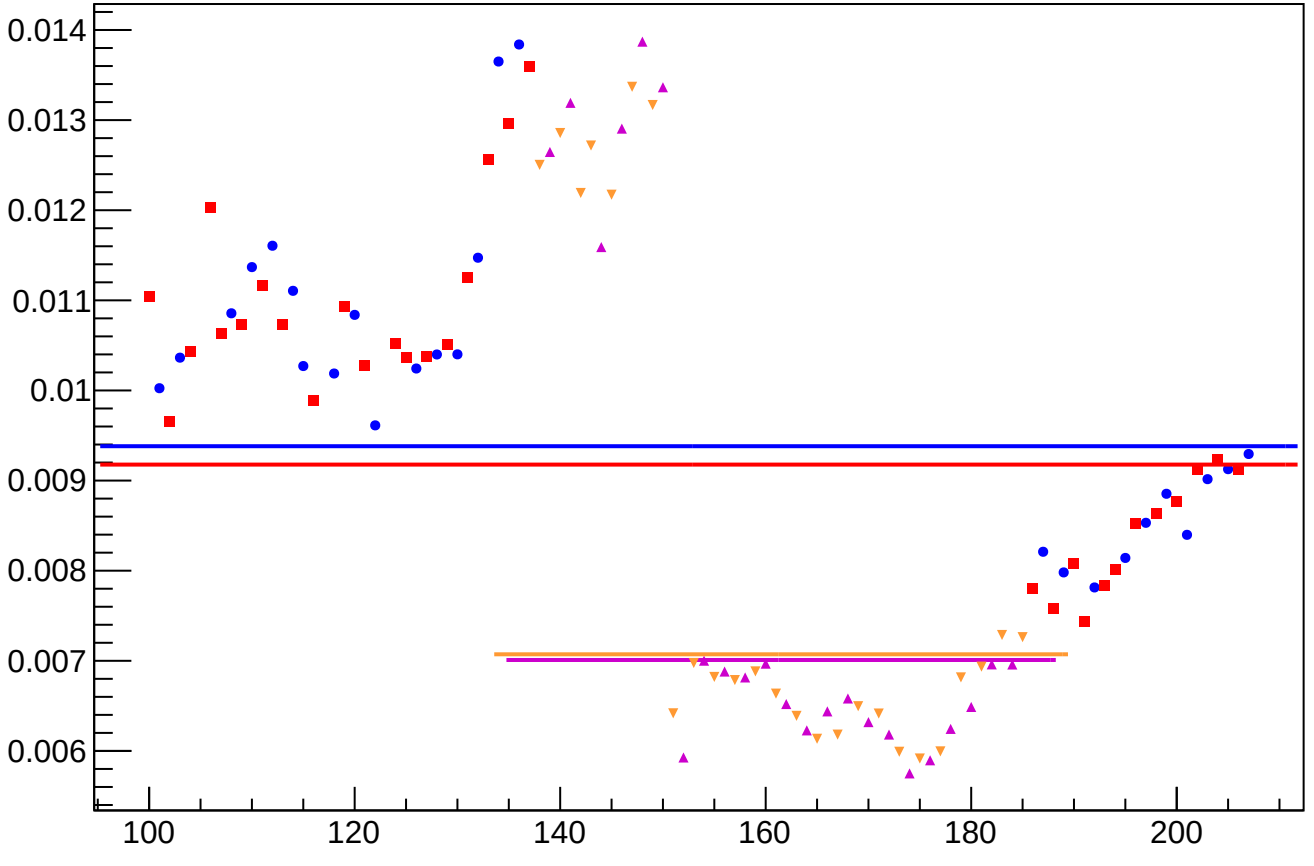
Right: -0.393+/-0.000 χ^2/NDF: 51239156729.2/56

In: -0.420+/-0.000 χ^2/NDF:114275058674.5/48

Out: -0.394+/-0.000 χ^2/NDF:108812260786.7/55

All: -0.407+/-0.000 χ^2/NDF: 223252862931.7

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 626897.2/25

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

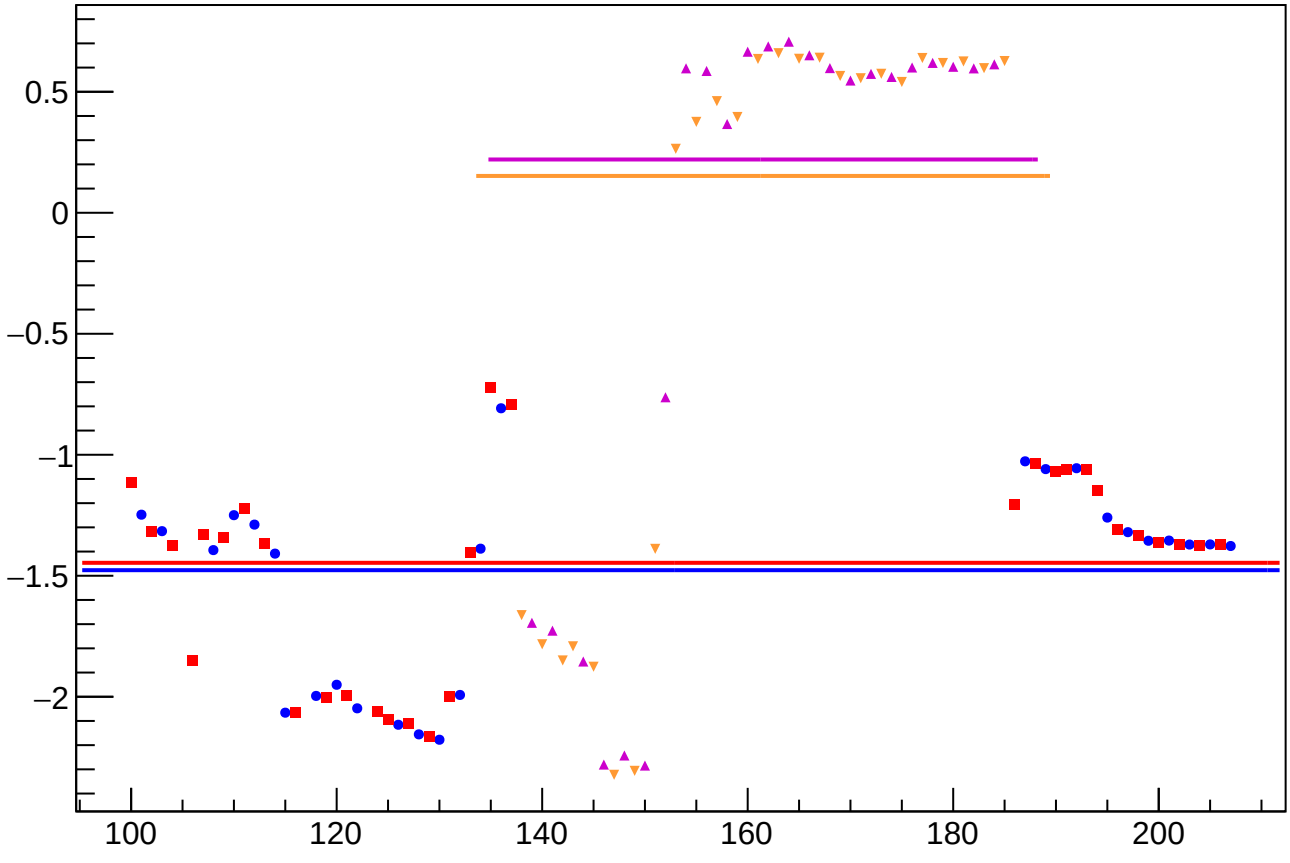
Right: 0.009+/-0.000 χ^2/NDF: 1309510.4/56

In: 0.008+/-0.000 χ^2/NDF:4327562.6/48

Out: 0.008+/-0.000 χ^2/NDF:4146054.3/55

All: 0.008+/-0.000 χ^2/NDF: 8473849.1/104

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.477+/-0.000 χ^2/NDF: 183006412787.2/25

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

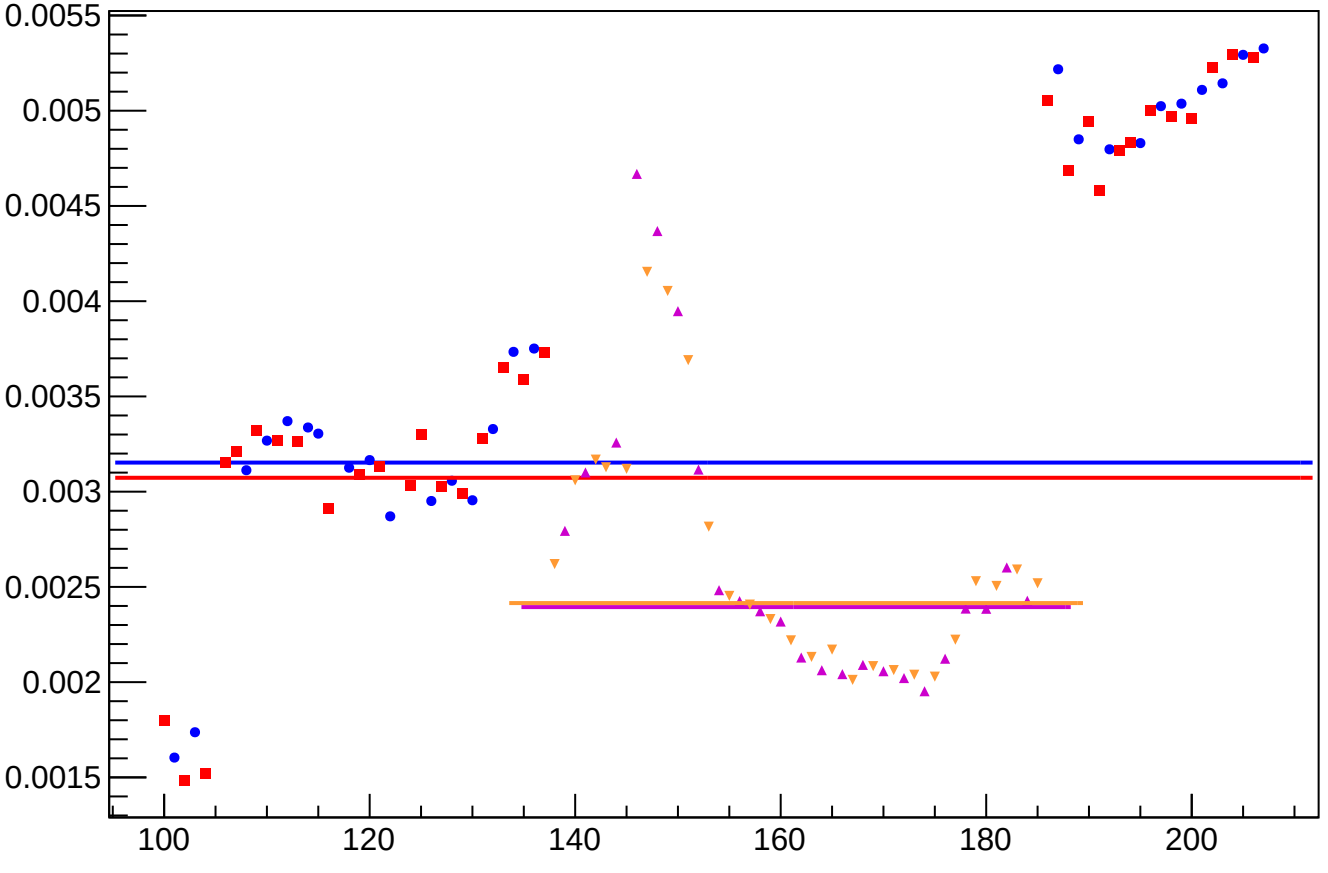
Right: -1.461+/-0.000 χ^2/NDF: 355835939968.6/56

In: -0.297+/-0.000 χ^2/NDF:4753250713758.5/48

Out: -0.357+/-0.000 χ^2/NDF:4955267433027.6/55

All: -0.328+/-0.000 χ^2/NDF: 9716034171086

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3958527.1/25

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

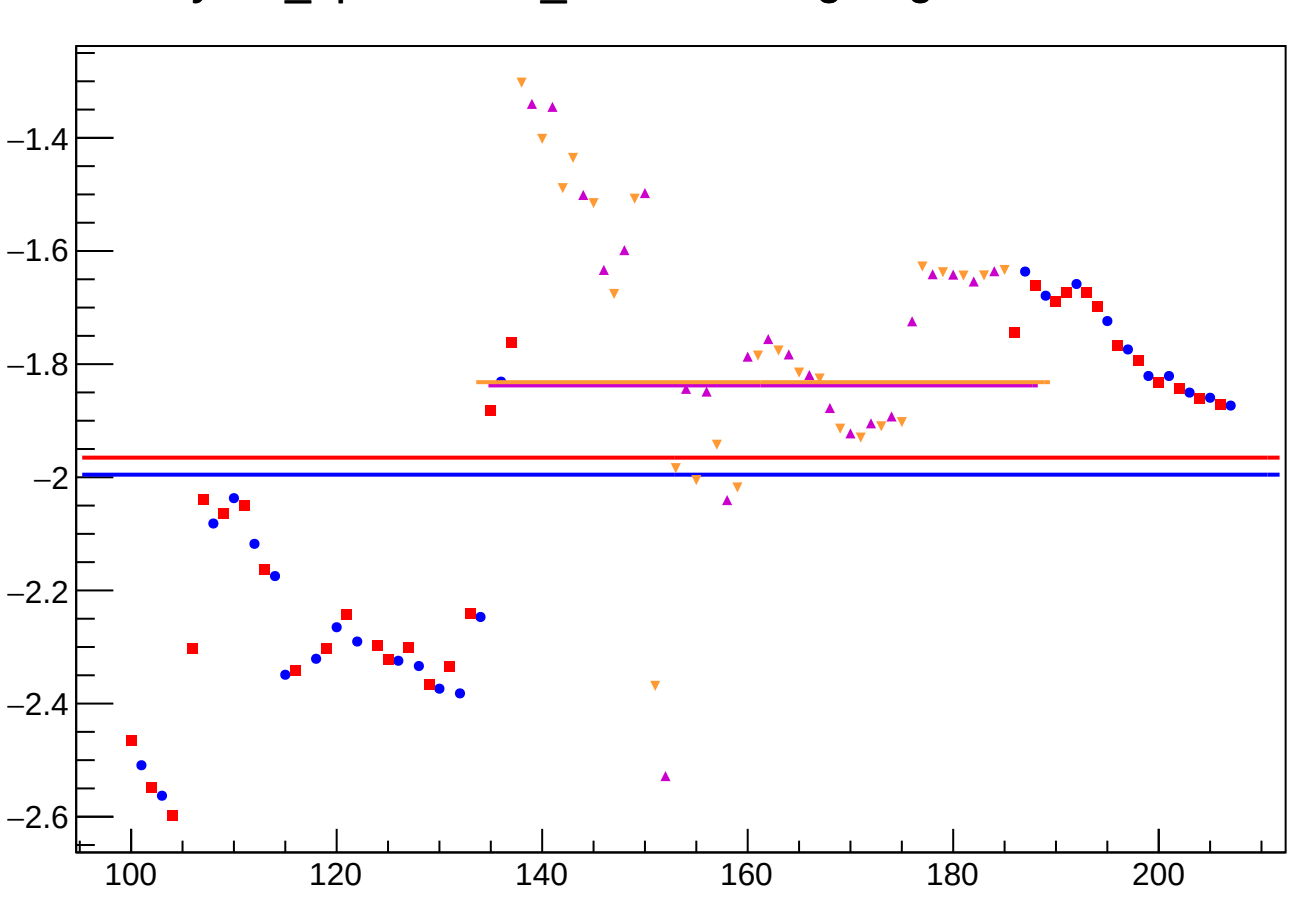
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 8981831.9/56

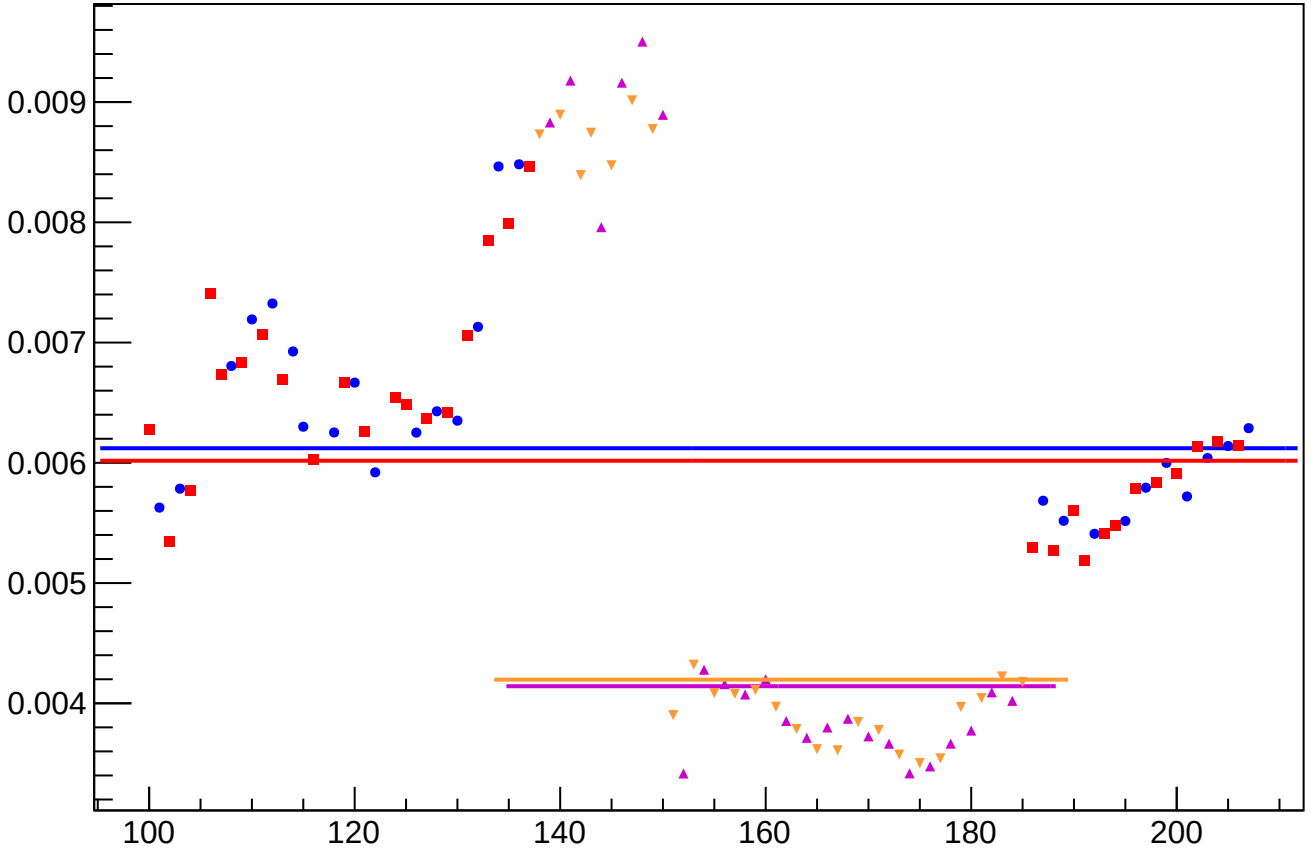
In: 0.003+/-0.000 χ^2/NDF:6346512.6/48

Out: 0.003+/-0.000 χ^2/NDF:7042639.7/55

All: 0.003+/-0.000 χ^2/NDF: 13389153.4/104


yield_bpm0i01aX_mean vs Slug, Sign Corrected
−1.4
−1.6
−1.8
−2
−2.2
−2.4
−2.6
100
120
140
160
180
200
Right In: -1.995+/-0.000 χ²/NDF: 32955635373.6/25
Left Out: -1.832+/-0.000 χ²/NDF:38365576589.1/24
Right Out: -1.965+/-0.000 χ²/NDF: 37356303029.5/30
Left In: -1.838+/-0.000 χ²/NDF:53437434367.2/22
Left: -1.835+/-0.000 χ²/NDF: 91818701563.9/47
Right: -1.979+/-0.000 χ²/NDF: 70497349451.0/56
In: -1.883+/-0.000 χ²/NDF:93183067484.4/48
Out: -1.873+/-0.000 χ²/NDF:81084684174.1/55
All: -1.878+/-0.000 χ²/NDF: 174339741735.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 366944.6/25

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

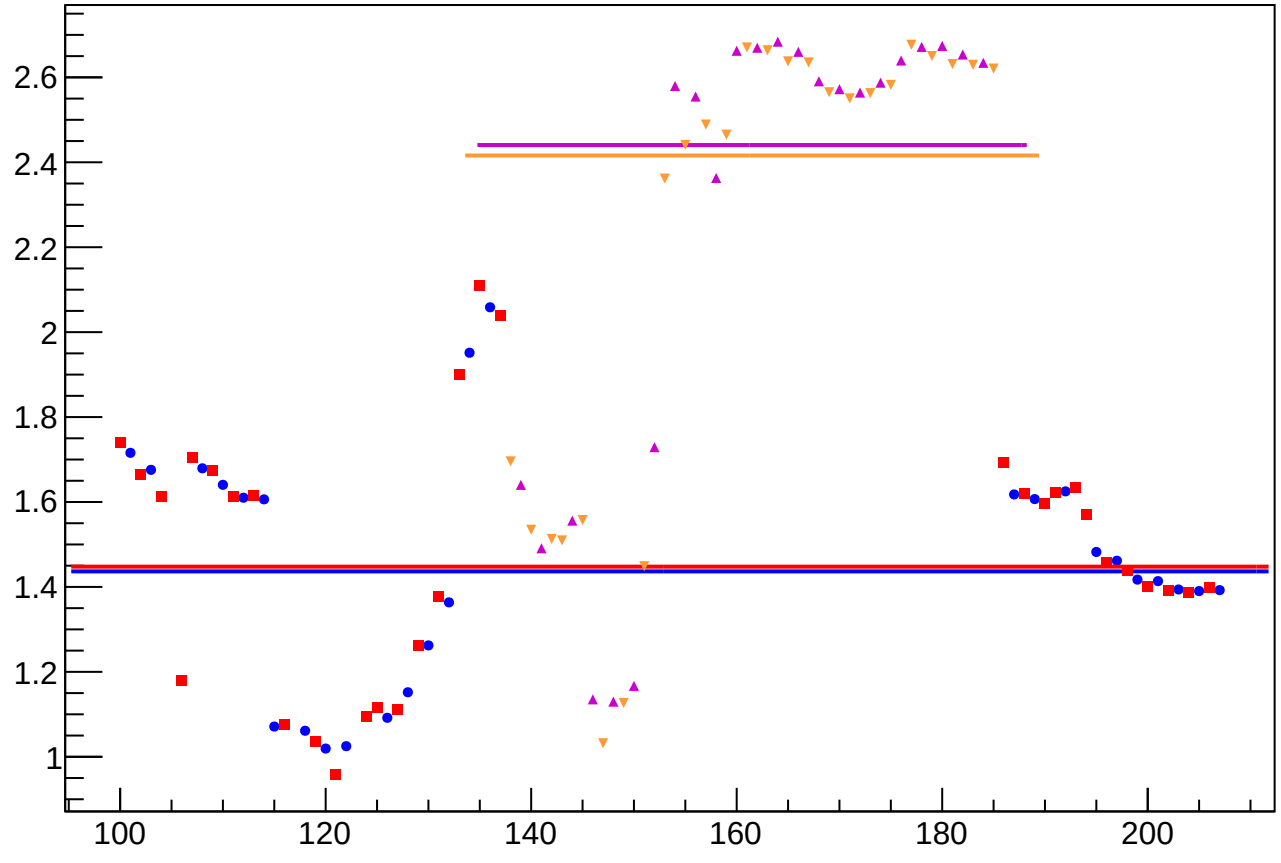
Right: 0.006+/-0.000 χ^2/NDF: 751679.3/56

In: 0.005+/-0.000 χ^2/NDF:5697759.7/48

Out: 0.005+/-0.000 χ^2/NDF:5470135.6/55

All: 0.005+/-0.000 χ^2/NDF: 11170460.3/104

yield_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 1.437+/-0.000 χ^2/NDF: 191470445589.2/25

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

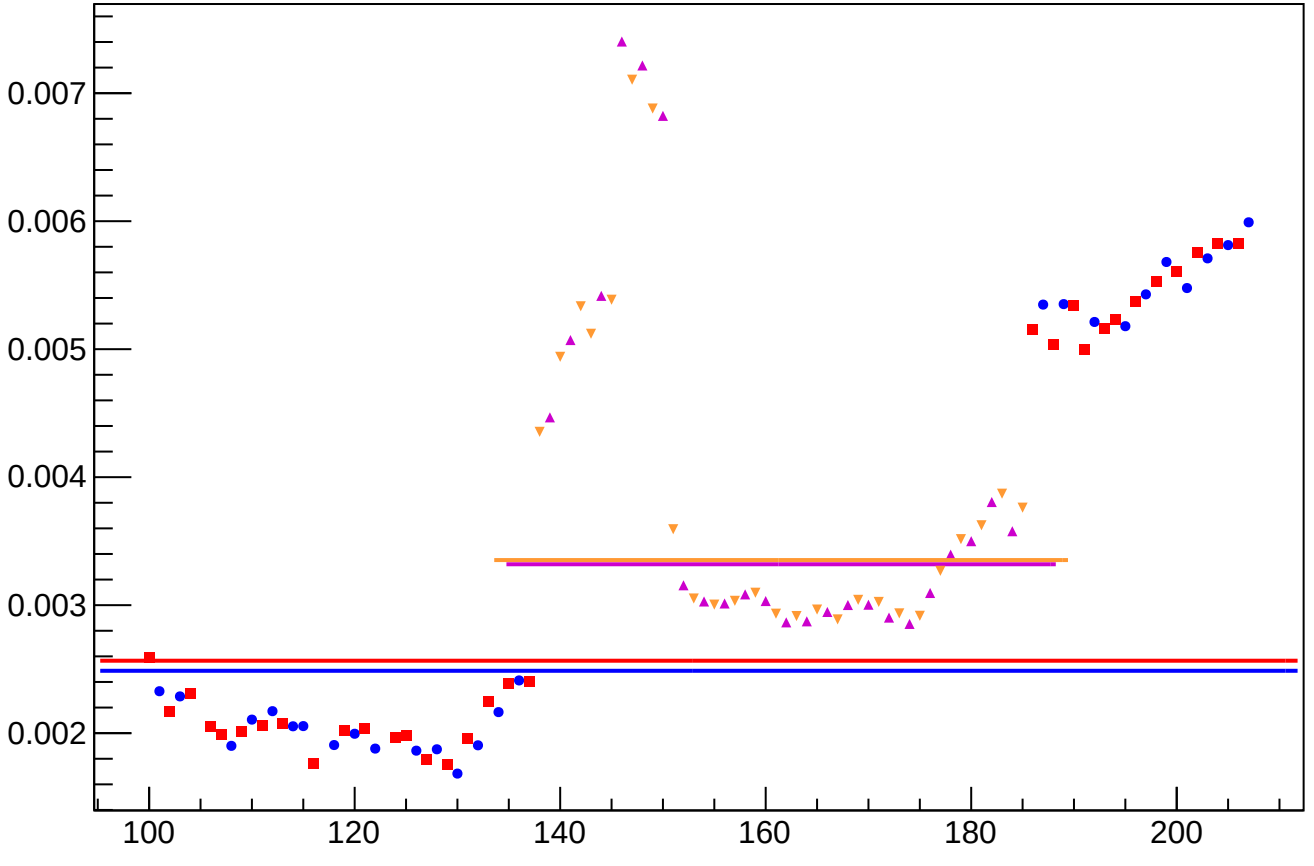
Right: 1.442+/-0.000 χ^2/NDF: 378216841982.5/56

In: 1.880+/-0.000 χ^2/NDF:1257931846675.0/48

Out: 1.879+/-0.000 χ^2/NDF:1236741061655.3/55

All: 1.879+/-0.000 χ^2/NDF: 2494673637198.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5493178.9/25

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

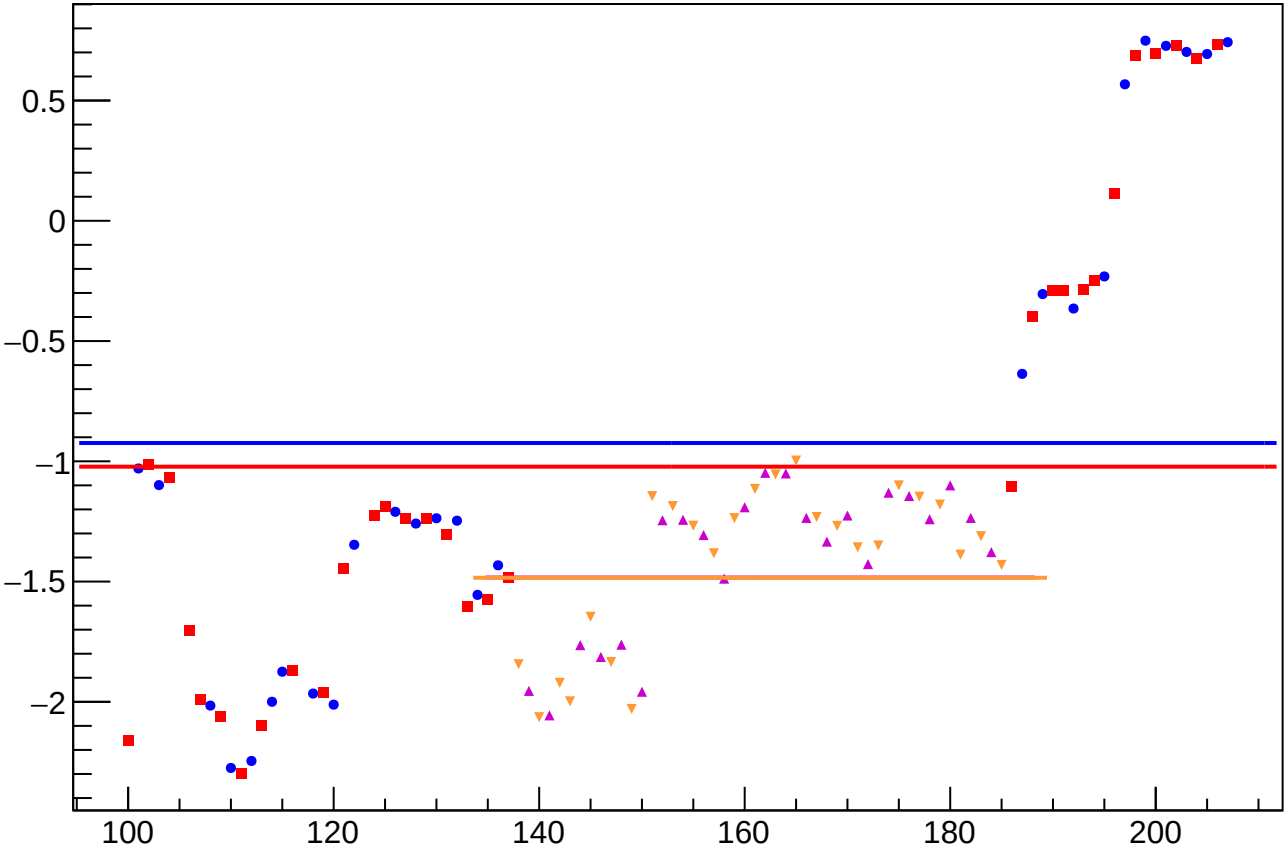
Right: 0.003+/-0.000 χ^2/NDF: 11507293.8/56

In: 0.003+/-0.000 χ^2/NDF:8695880.3/48

Out: 0.003+/-0.000 χ^2/NDF:8886979.3/55

All: 0.003+/-0.000 χ^2/NDF: 17595861.0/104

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.924+/-0.000 χ^2/NDF: 187477296279.4/25

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

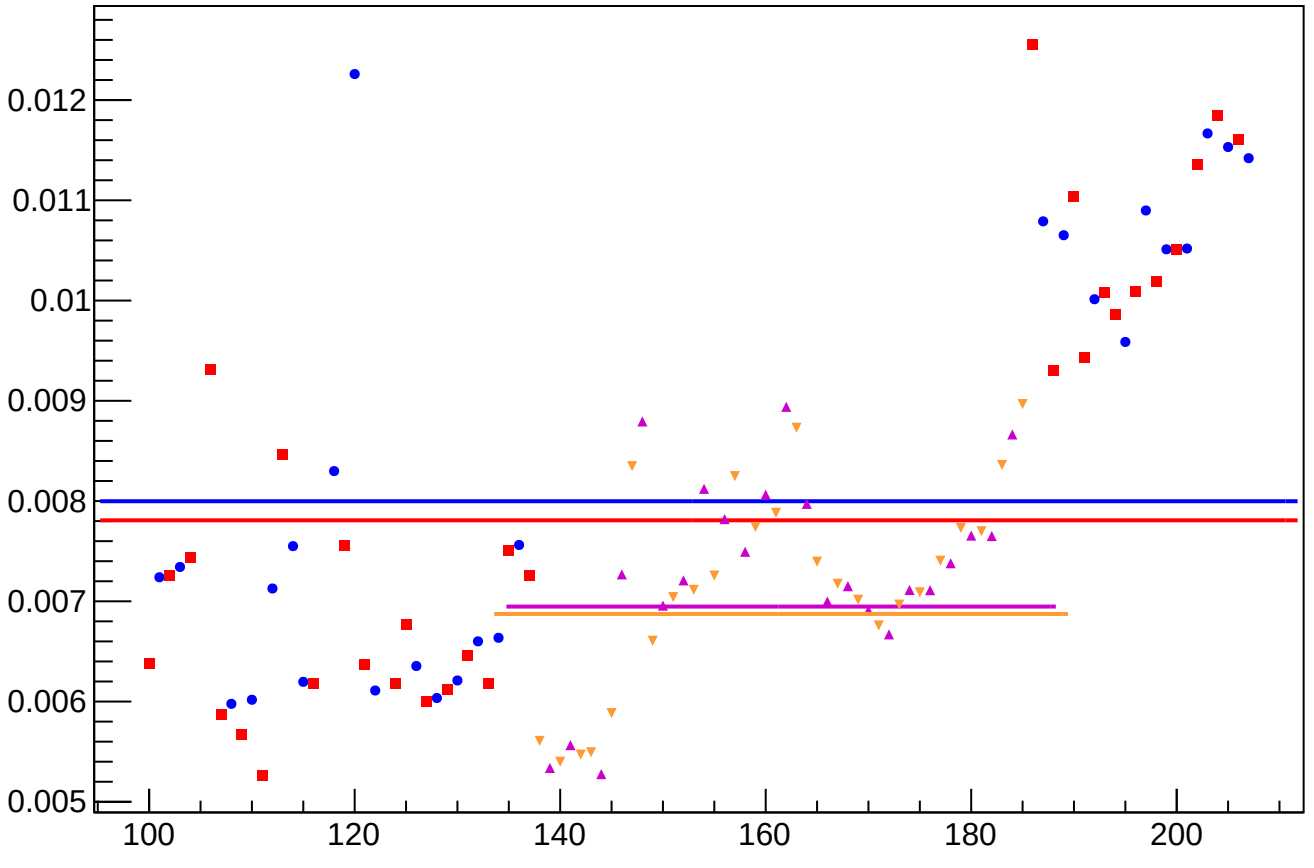
Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

Right: -0.977+/-0.000 χ^2/NDF: 405094397167.3/56

In: -1.276+/-0.000 χ^2/NDF:268697116464.9/48

Out: -1.306+/-0.000 χ^2/NDF:296543622182.1/55

All: -1.292+/-0.000 χ^2/NDF: 565500686315.4



Right In: 0.008+/-0.000 χ^2/NDF: 1663391.5/25

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

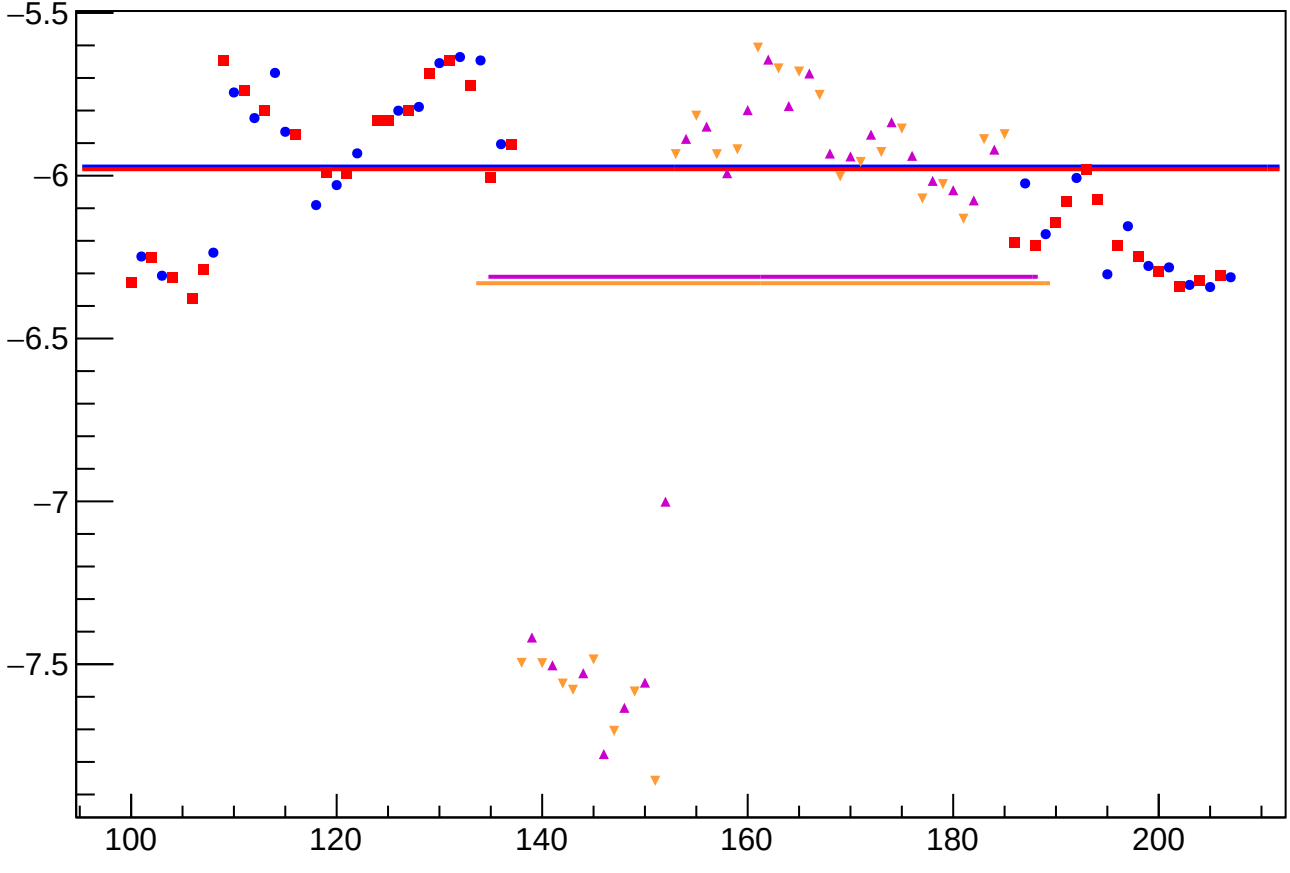
Right: 0.008+/-0.000 χ^2/NDF: 3686516.9/56

In: 0.007+/-0.000 χ^2/NDF:2698440.3/48

Out: 0.007+/-0.000 χ^2/NDF:3018627.4/55

All: 0.007+/-0.000 χ^2/NDF: 5723230.7/104

yield_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: -5.972+/-0.000 χ^2/NDF: 15514429455.3/25

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.980+/-0.000 χ^2/NDF: 16281463852.9/30

Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

Left: -6.321+/-0.000 χ^2/NDF: 202054497687.3/47

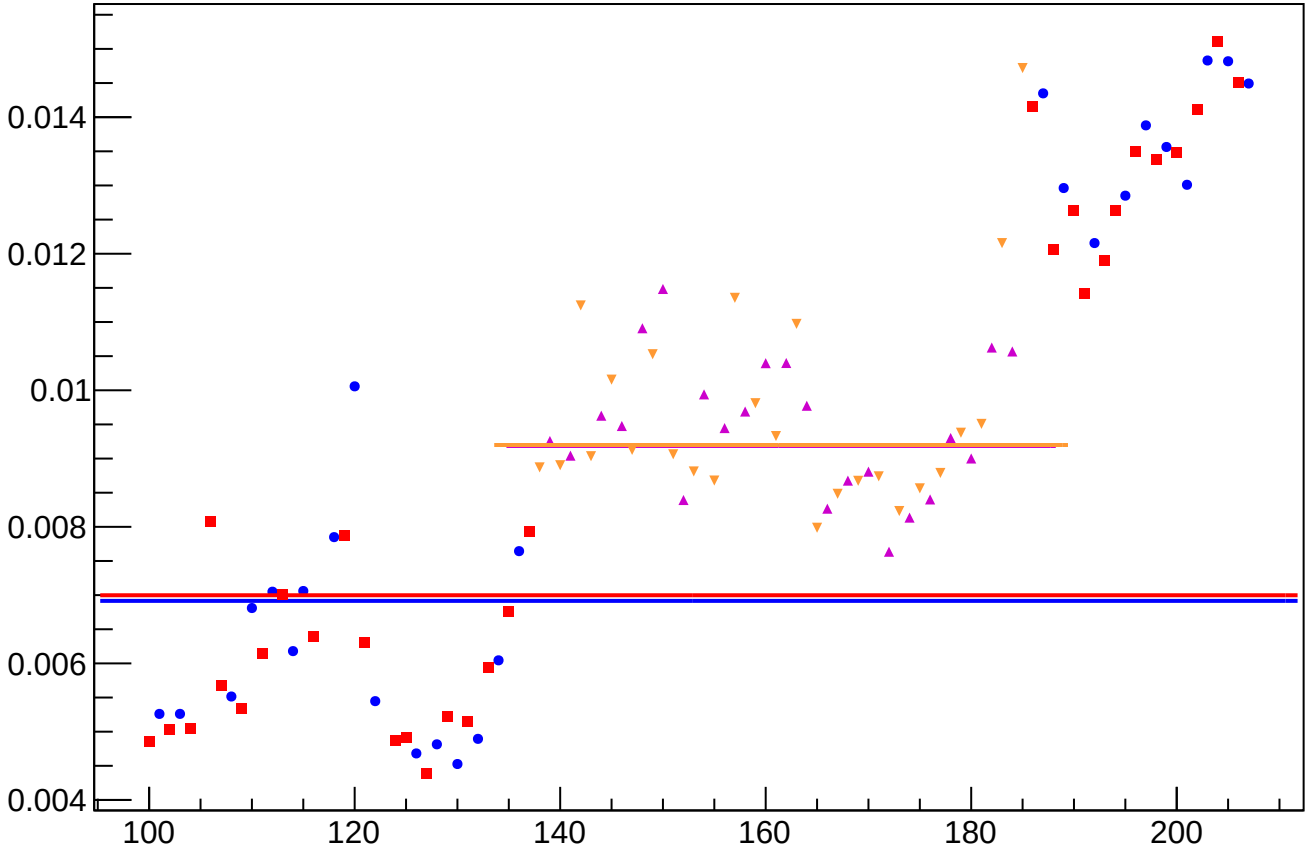
Right: -5.976+/-0.000 χ^2/NDF: 31804292620.7/56

In: -6.119+/-0.000 χ^2/NDF:119055040080.9/48

Out: -6.128+/-0.000 χ^2/NDF:140083971686.5/55

All: -6.124+/-0.000 χ^2/NDF: 259159642038.0

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4827004.5/25

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

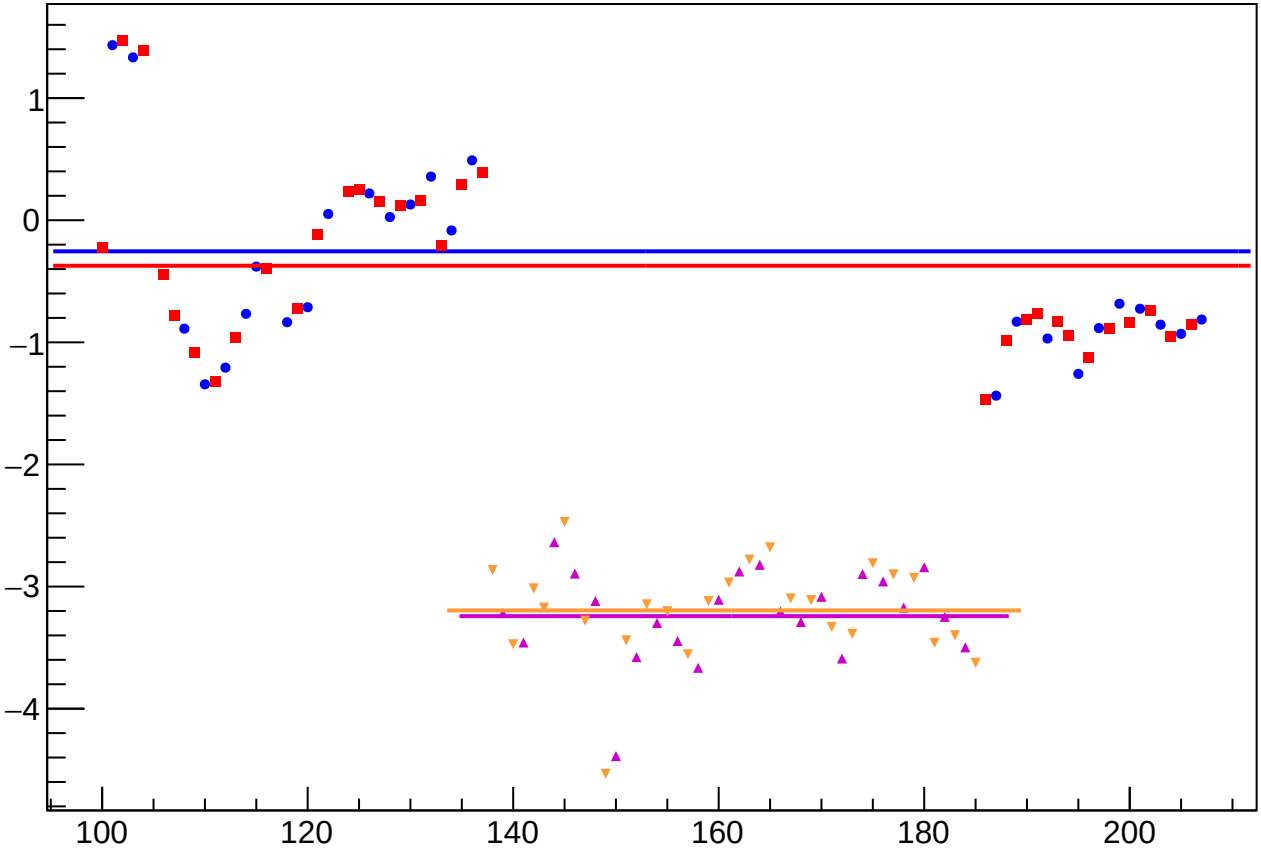
Right: 0.007+/-0.000 χ^2/NDF: 9958923.2/56

In: 0.008+/-0.000 χ^2/NDF:6210985.3/48

Out: 0.008+/-0.000 χ^2/NDF:6562365.3/55

All: 0.008+/-0.000 χ^2/NDF: 12773762.2/104

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.255+/-0.000 χ^2/NDF: 33099360722.0/25

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

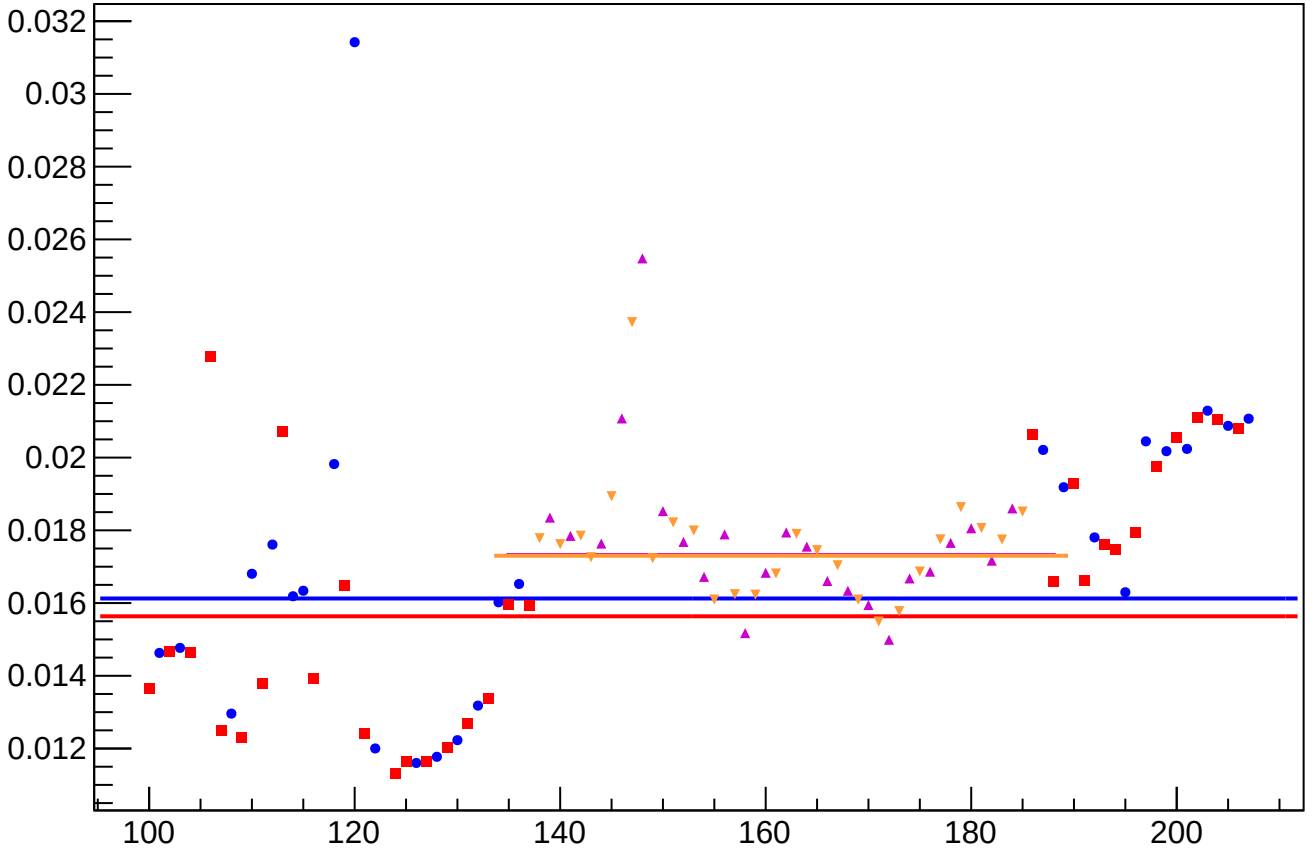
Right: -0.319+/-0.000 χ^2/NDF: 68687181574.5/56

In: -1.839+/-0.000 χ^2/NDF:285847793740.2/48

Out: -1.791+/-0.000 χ^2/NDF:290703417939.6/55

All: -1.814+/-0.000 χ^2/NDF: 576685889200.2

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1284025.2/25

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

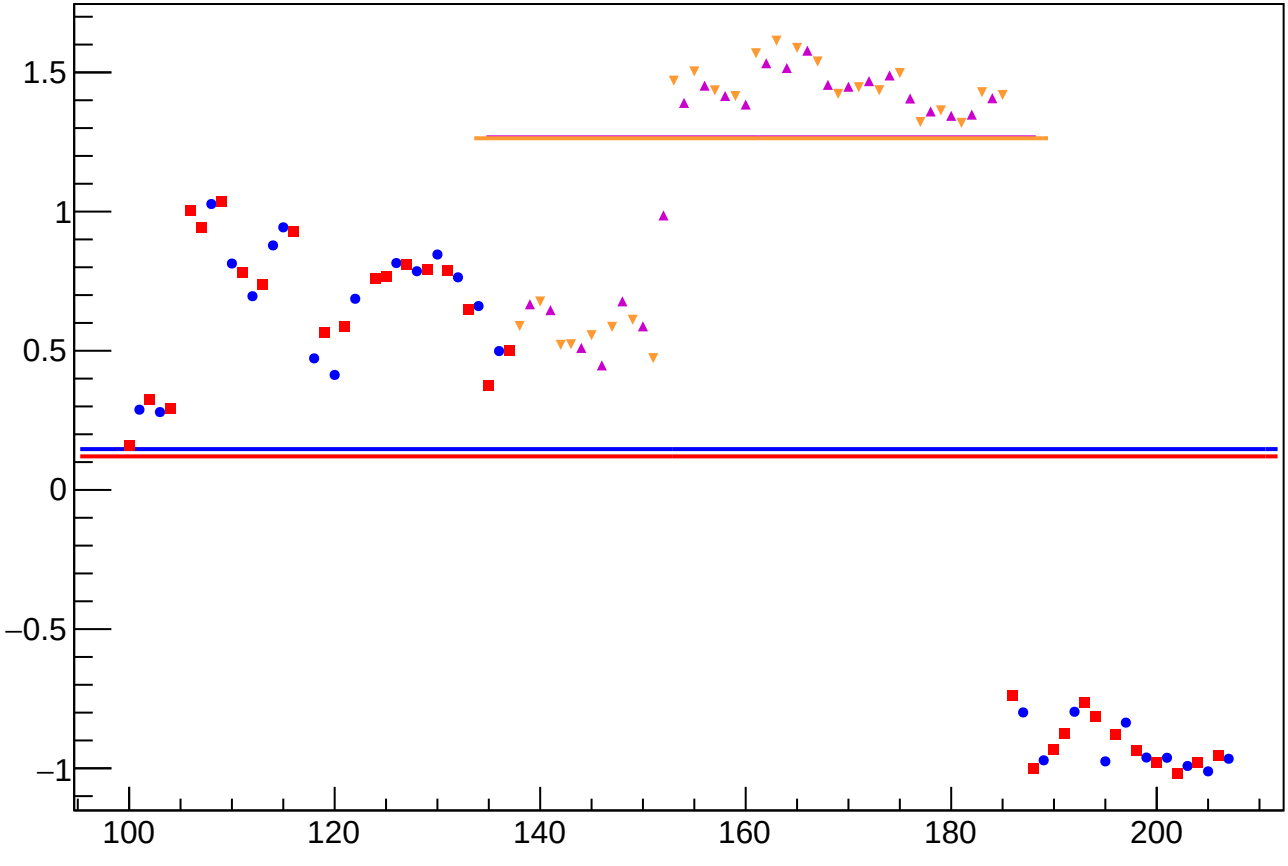
Right: 0.016+/-0.000 χ^2/NDF: 2615963.7/56

In: 0.017+/-0.000 χ^2/NDF:1692512.7/48

Out: 0.016+/-0.000 χ^2/NDF:1707755.4/55

All: 0.017+/-0.000 χ^2/NDF: 3409912.7/104

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.147+/-0.000 χ^2/NDF: 73537421071.4/25

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

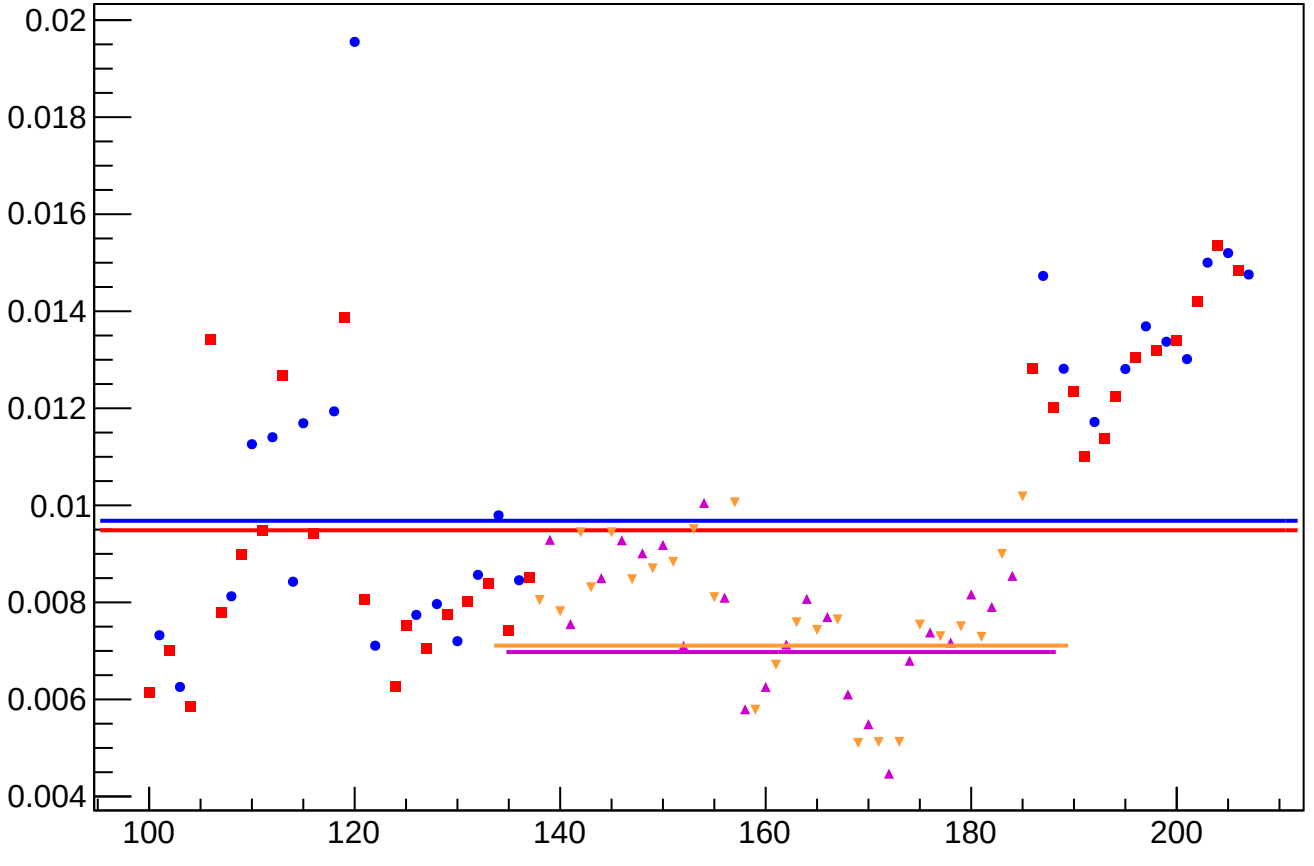
Right: 0.133+/-0.000 χ^2/NDF: 159978412373.2/56

In: 0.944+/-0.000 χ^2/NDF:231982290363.1/48

Out: 0.902+/-0.000 χ^2/NDF:271126834734.4/55

All: 0.922+/-0.000 χ^2/NDF: 503533680211.4

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 2363882.5/25

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

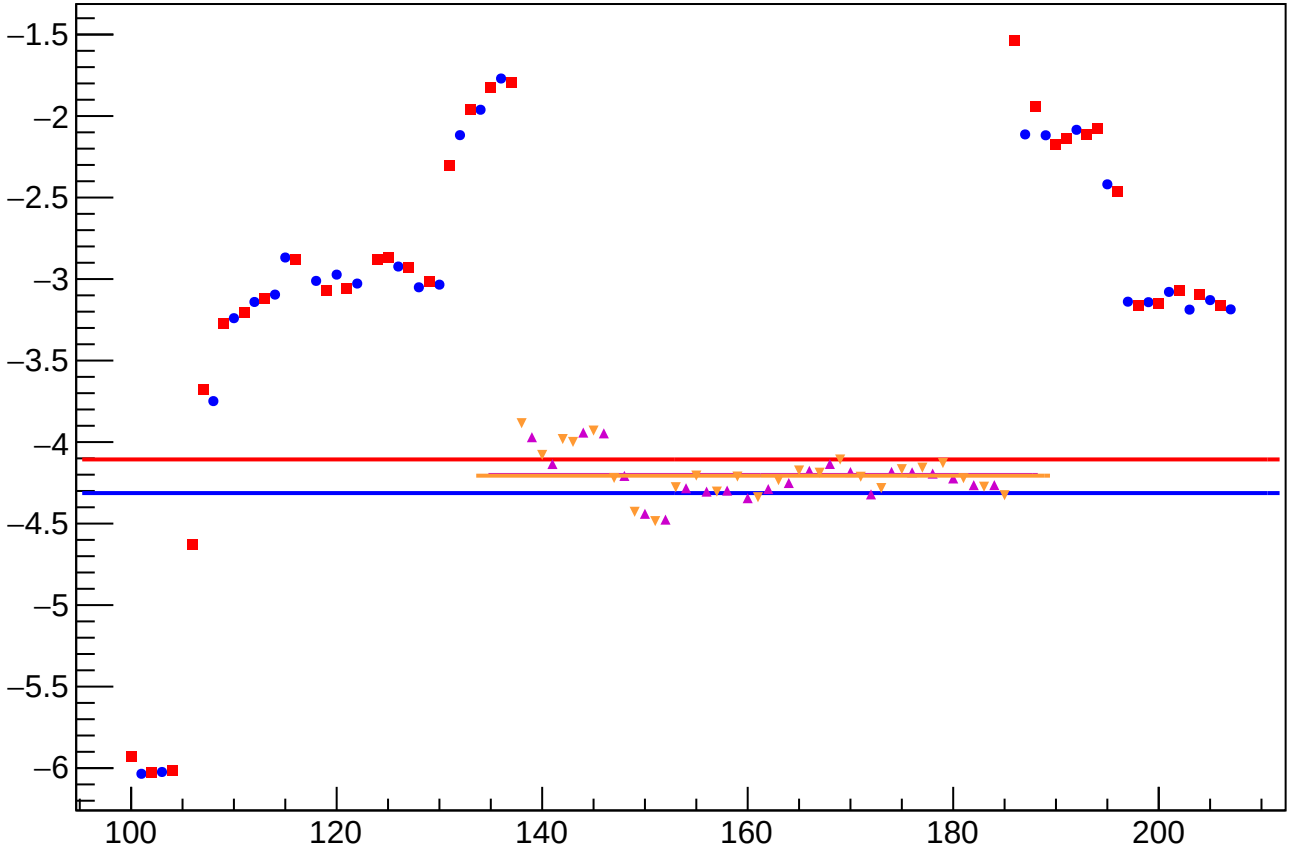
Right: 0.010+/-0.000 χ^2/NDF: 4931532.9/56

In: 0.008+/-0.000 χ^2/NDF:5230661.5/48

Out: 0.008+/-0.000 χ^2/NDF:5285440.5/55

All: 0.008+/-0.000 χ^2/NDF: 10521404.3/104

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.313+/-0.000 χ^2/NDF: 286931184992.3/25

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

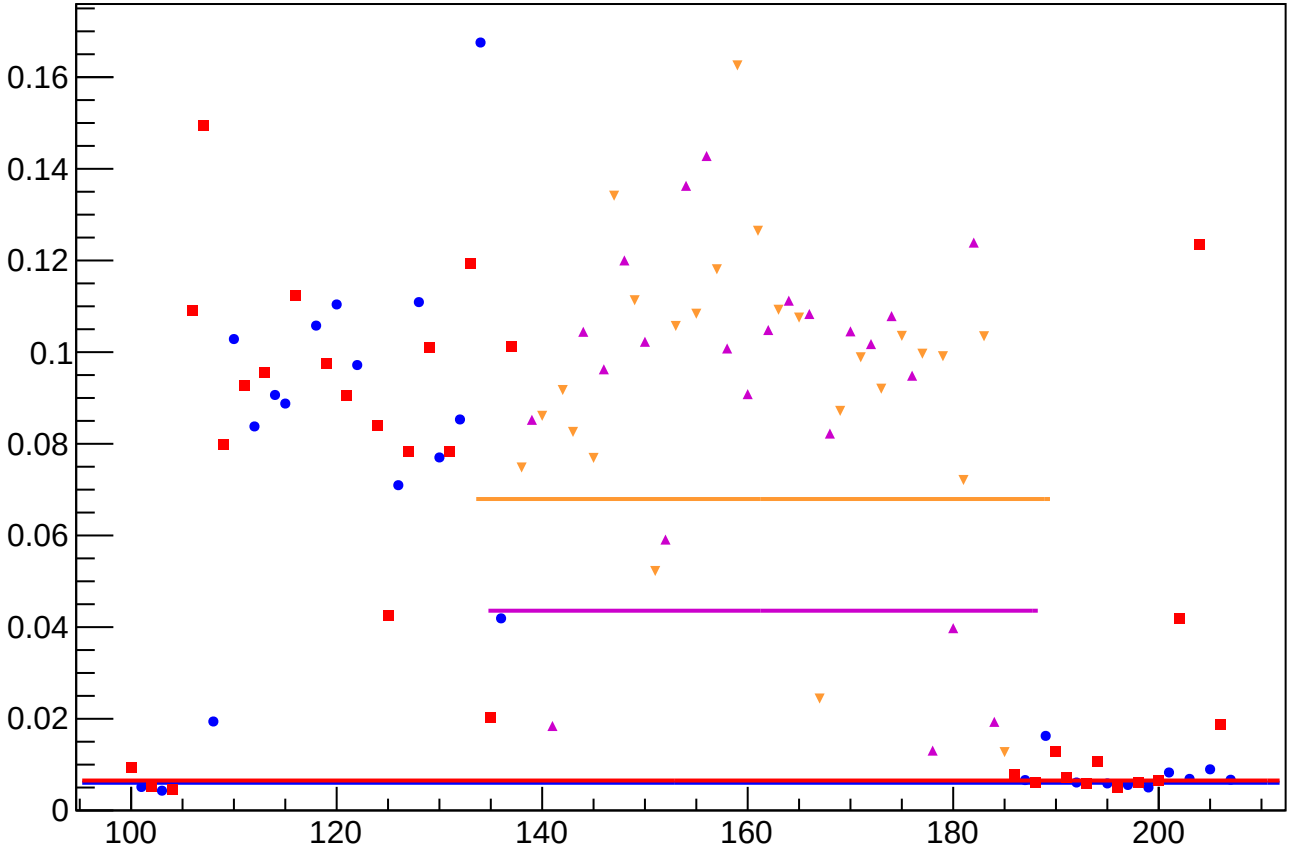
Right: -4.222+/-0.000 χ^2/NDF: 587299755443.8/56

In: -4.309+/-0.000 χ^2/NDF:287022684141.8/48

Out: -4.109+/-0.000 χ^2/NDF:298395573976.5/55

All: -4.221+/-0.000 χ^2/NDF: 587406296921.

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8912391.9/25

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

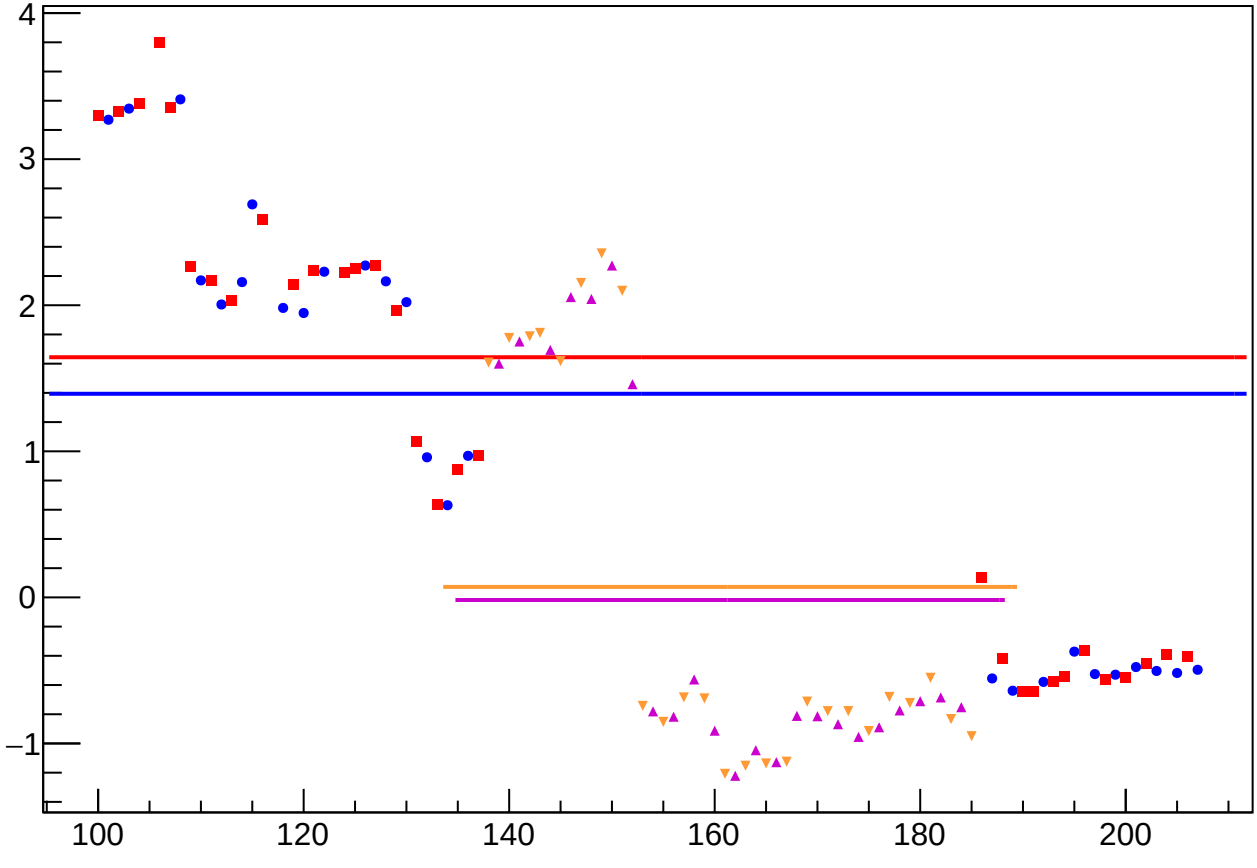
Right: 0.006+/-0.000 χ^2/NDF: 19610552.1/56

In: 0.007+/-0.000 χ^2/NDF:32792156.6/48

Out: 0.008+/-0.000 χ^2/NDF:37785522.4/55

All: 0.008+/-0.000 χ^2/NDF: 70671895.8/104

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.394+/-0.000 χ^2/NDF: 221104849109.0/25

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

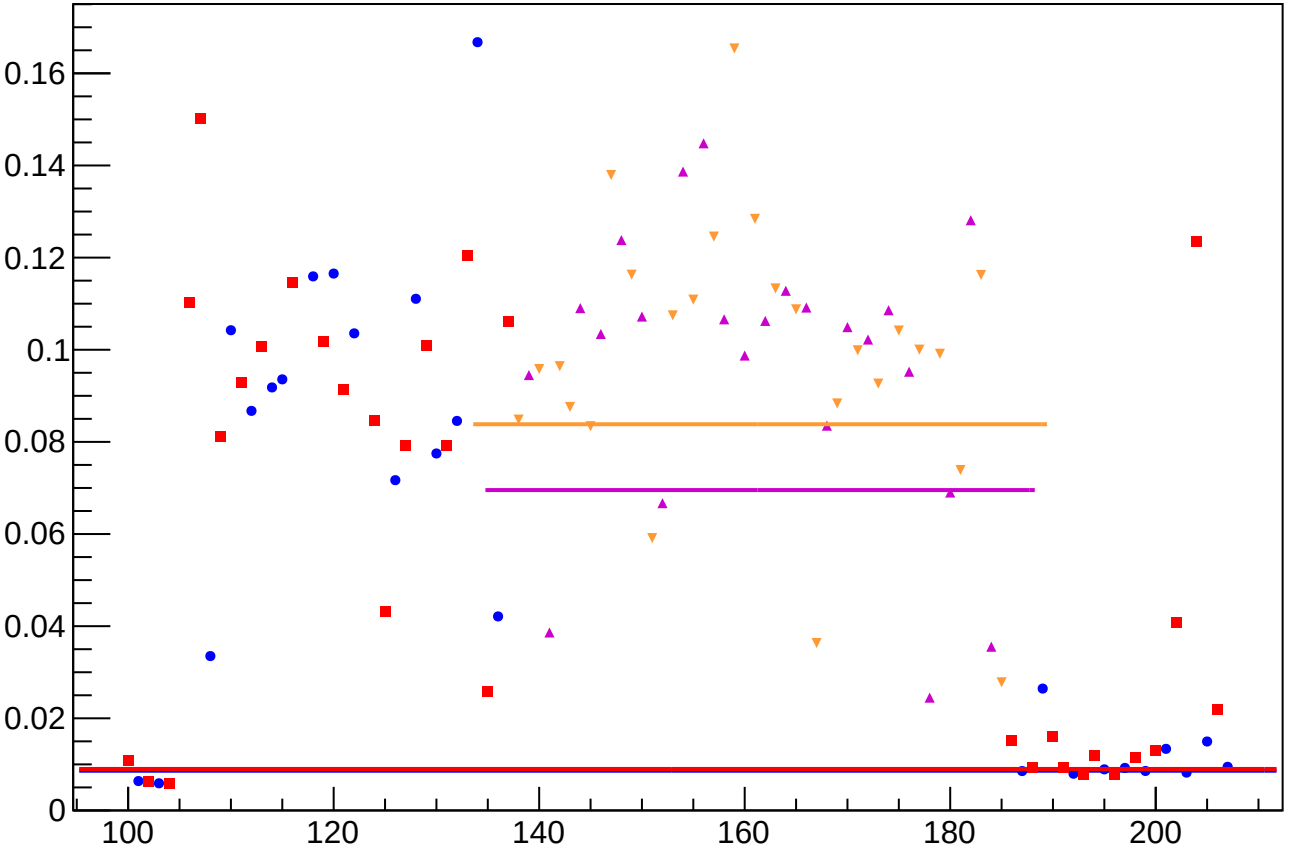
Right: 1.509+/-0.000 χ^2/NDF: 407823115172.7/56

In: 1.341+/-0.000 χ^2/NDF:229123506611.3/48

Out: 1.584+/-0.000 χ^2/NDF:193481734791.4/55

All: 1.453+/-0.000 χ^2/NDF: 424336195992.5

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8761172.3/25

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

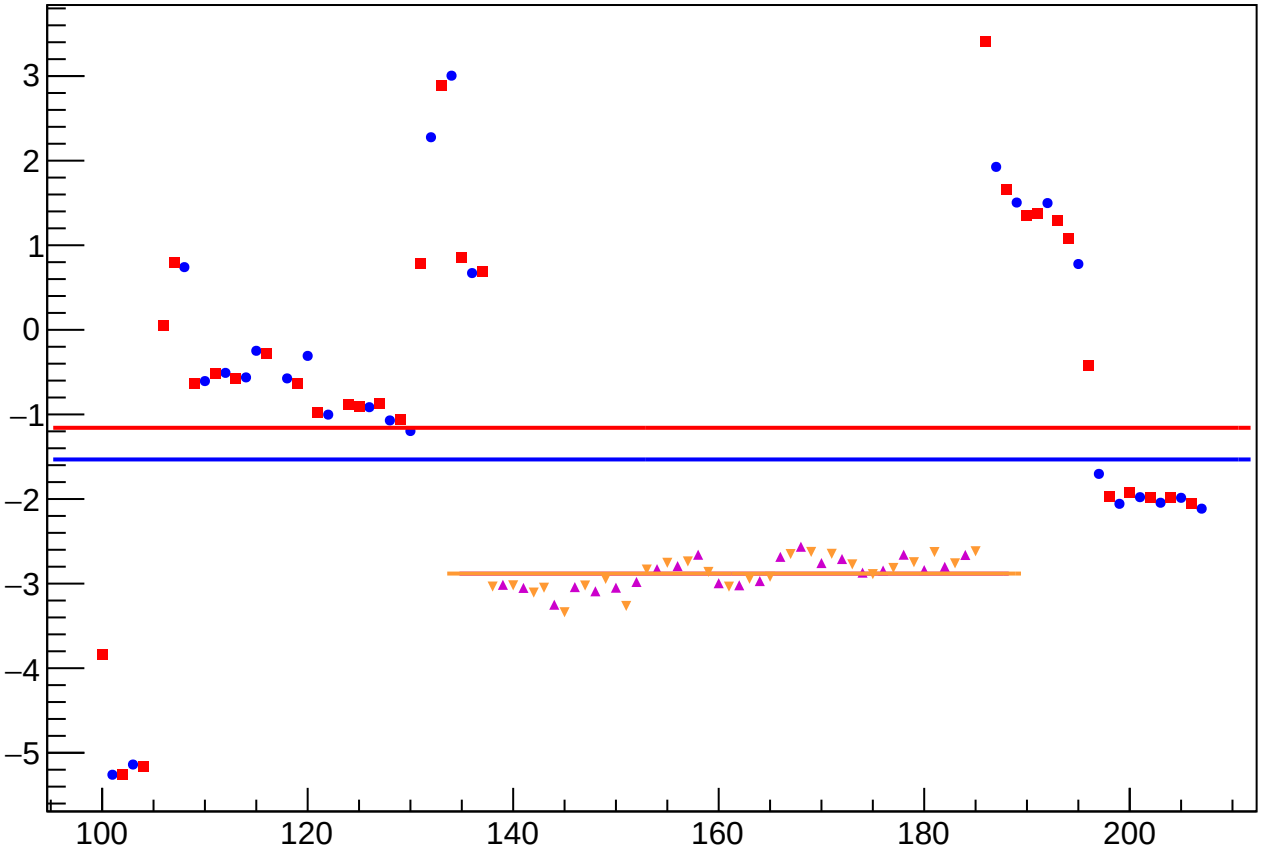
Right: 0.009+/-0.000 χ^2/NDF: 19192450.2/56

In: 0.011+/-0.000 χ^2/NDF:32447309.7/48

Out: 0.012+/-0.000 χ^2/NDF:36416051.3/55

All: 0.011+/-0.000 χ^2/NDF: 68916326.3/104

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.532+/-0.000 χ^2/NDF: 208509389500.5/25

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

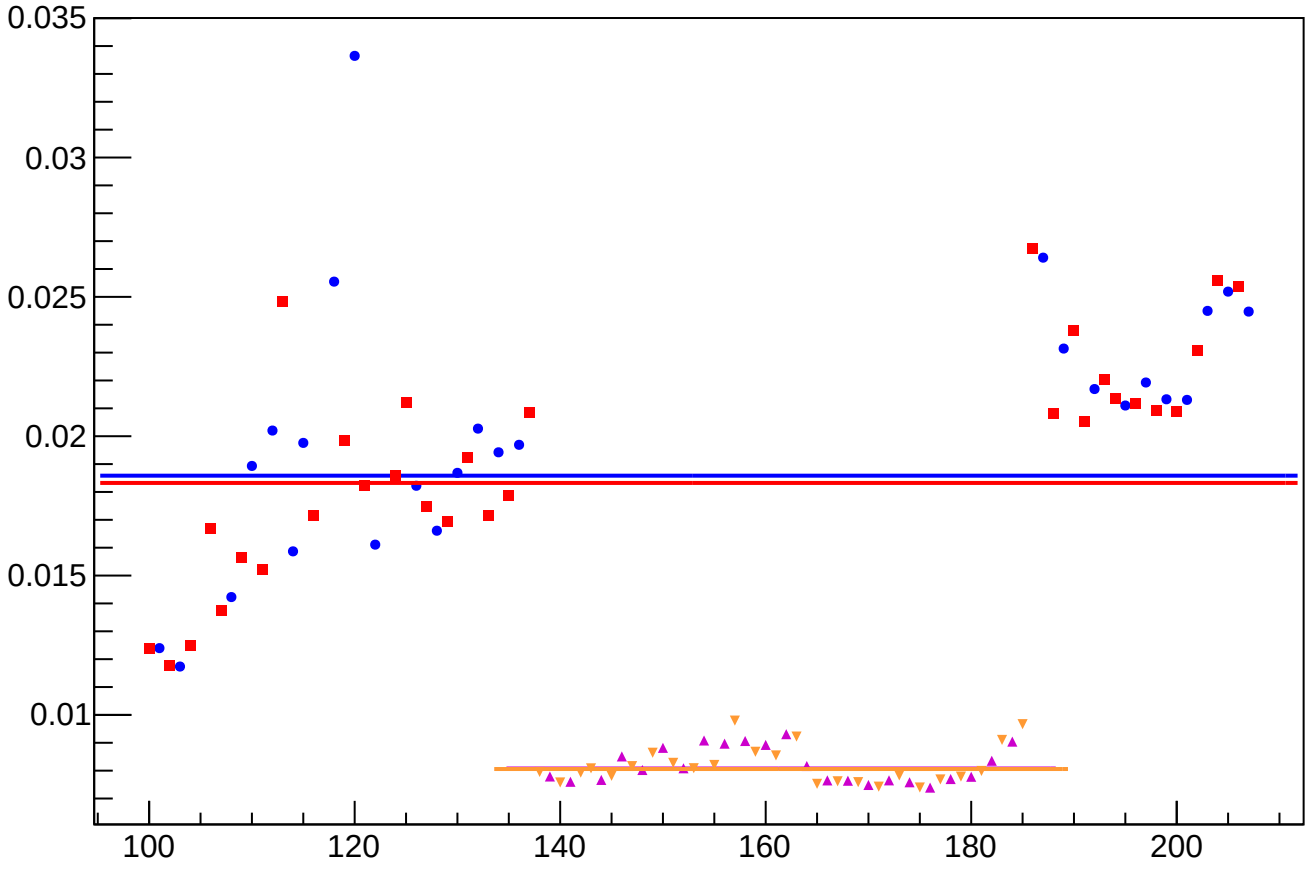
Right: -1.331+/-0.000 χ^2/NDF: 447509065556.2/56

In: -2.718+/-0.000 χ^2/NDF:276348385538.0/48

Out: -2.654+/-0.000 χ^2/NDF:358034729986.6/55

All: -2.685+/-0.000 χ^2/NDF: 635025712423.2

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.019+/-0.000 χ^2/NDF: 1561284.1/25

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

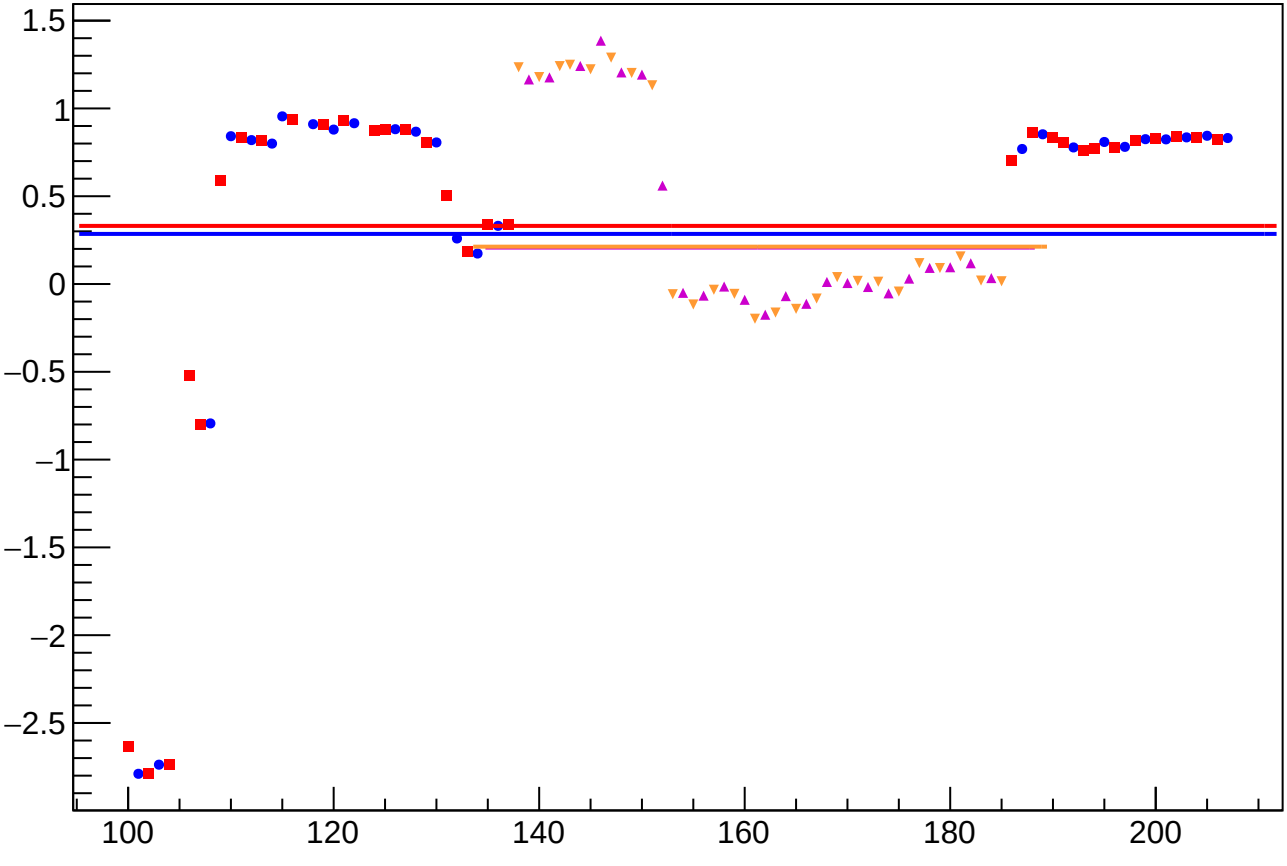
Right: 0.018+/-0.000 χ^2/NDF: 3067883.5/56

In: 0.009+/-0.000 χ^2/NDF:8953697.7/48

Out: 0.009+/-0.000 χ^2/NDF:9587241.3/55

All: 0.009+/-0.000 χ^2/NDF: 18541816.8/104

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.285+/-0.000 χ^2/NDF: 955996127560.3/25

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

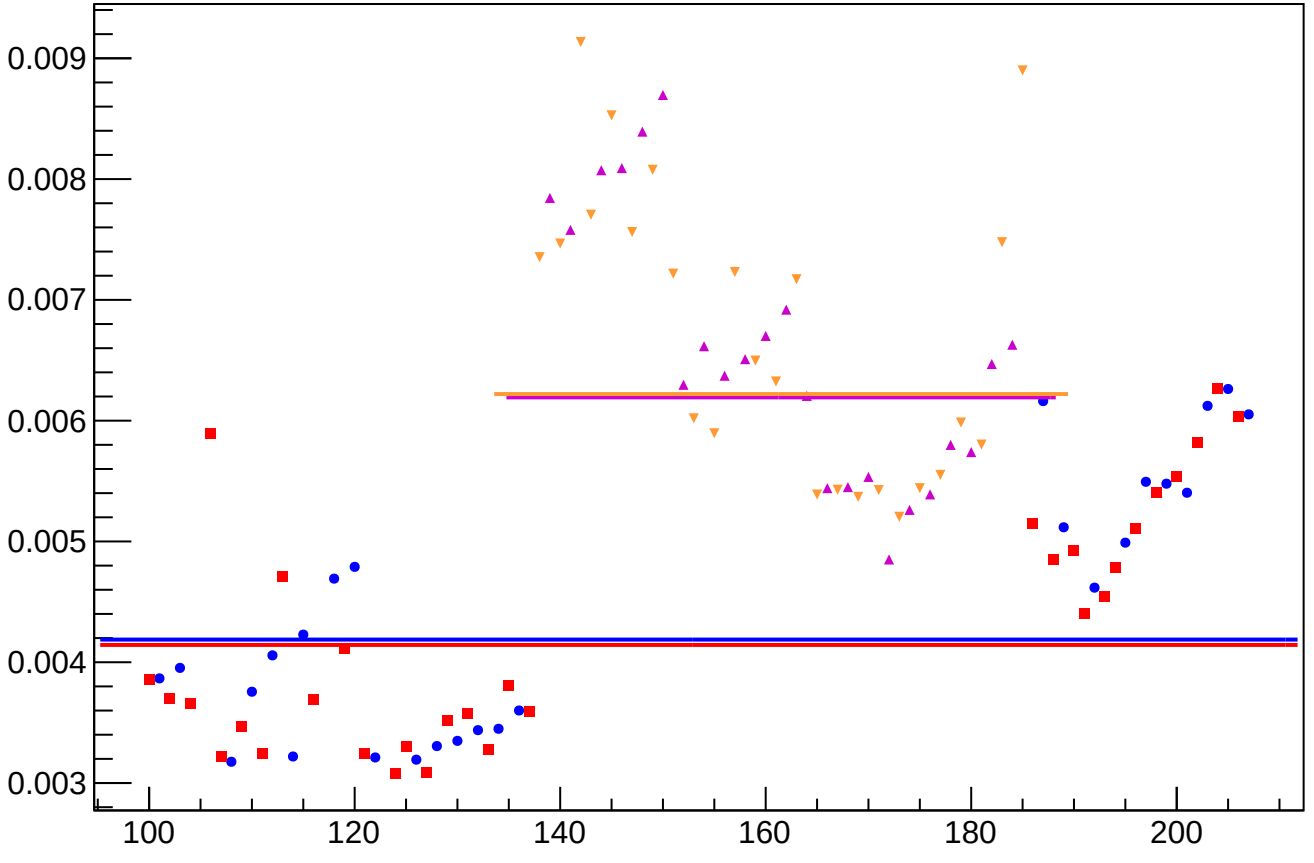
Right: 0.310+/-0.000 χ^2/NDF: 2002957356224.8/56

In: 0.258+/-0.000 χ^2/NDF:1044739105265.2/48

Out: 0.292+/-0.000 χ^2/NDF:1152956888906.0/55

All: 0.276+/-0.000 χ^2/NDF: 2198401363274.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1457193.1/25

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

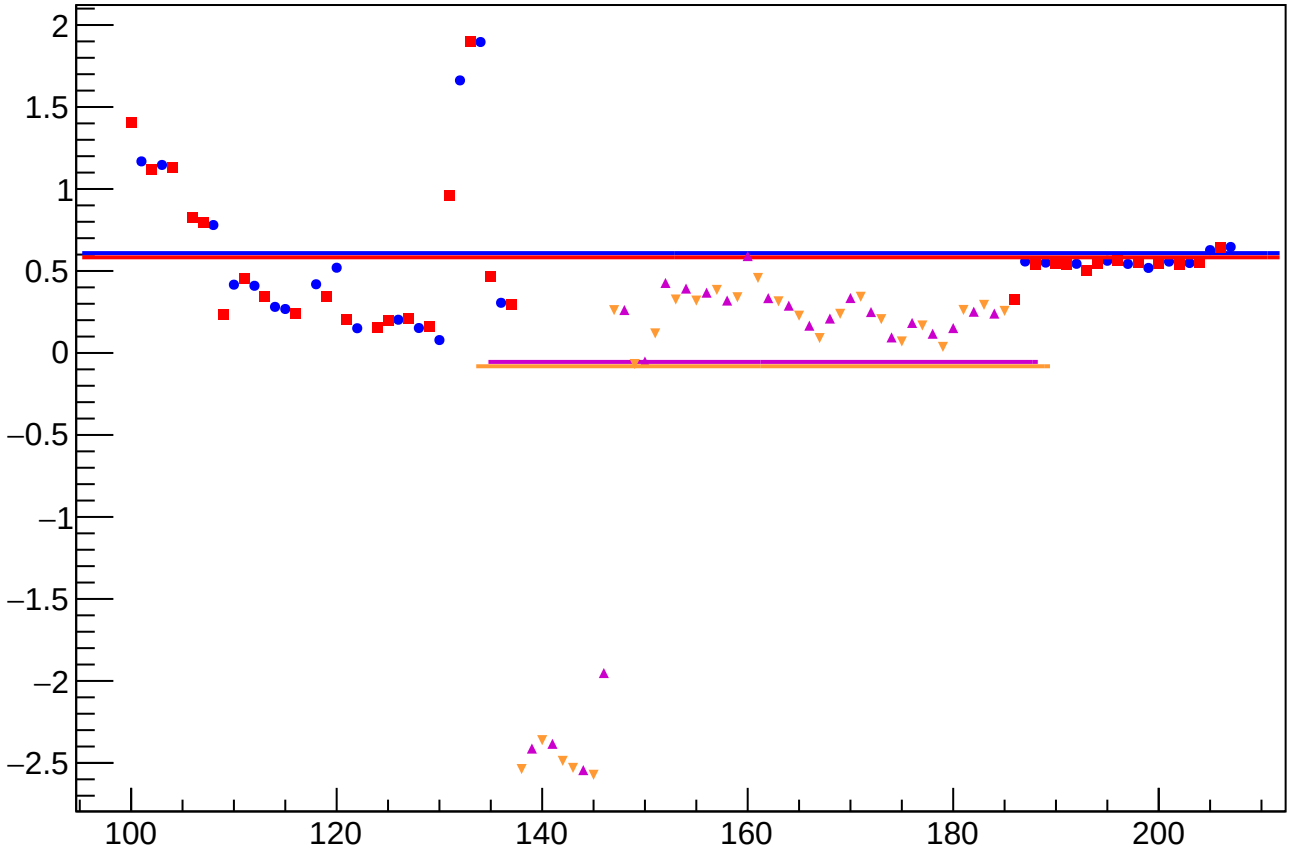
Right: 0.004+/-0.000 χ^2/NDF: 2991505.1/56

In: 0.005+/-0.000 χ^2/NDF:4437645.8/48

Out: 0.005+/-0.000 χ^2/NDF:4832732.0/55

All: 0.005+/-0.000 χ^2/NDF: 9274393.3/104

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.609+/-0.000 χ^2/NDF: 43815965947.2/25

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

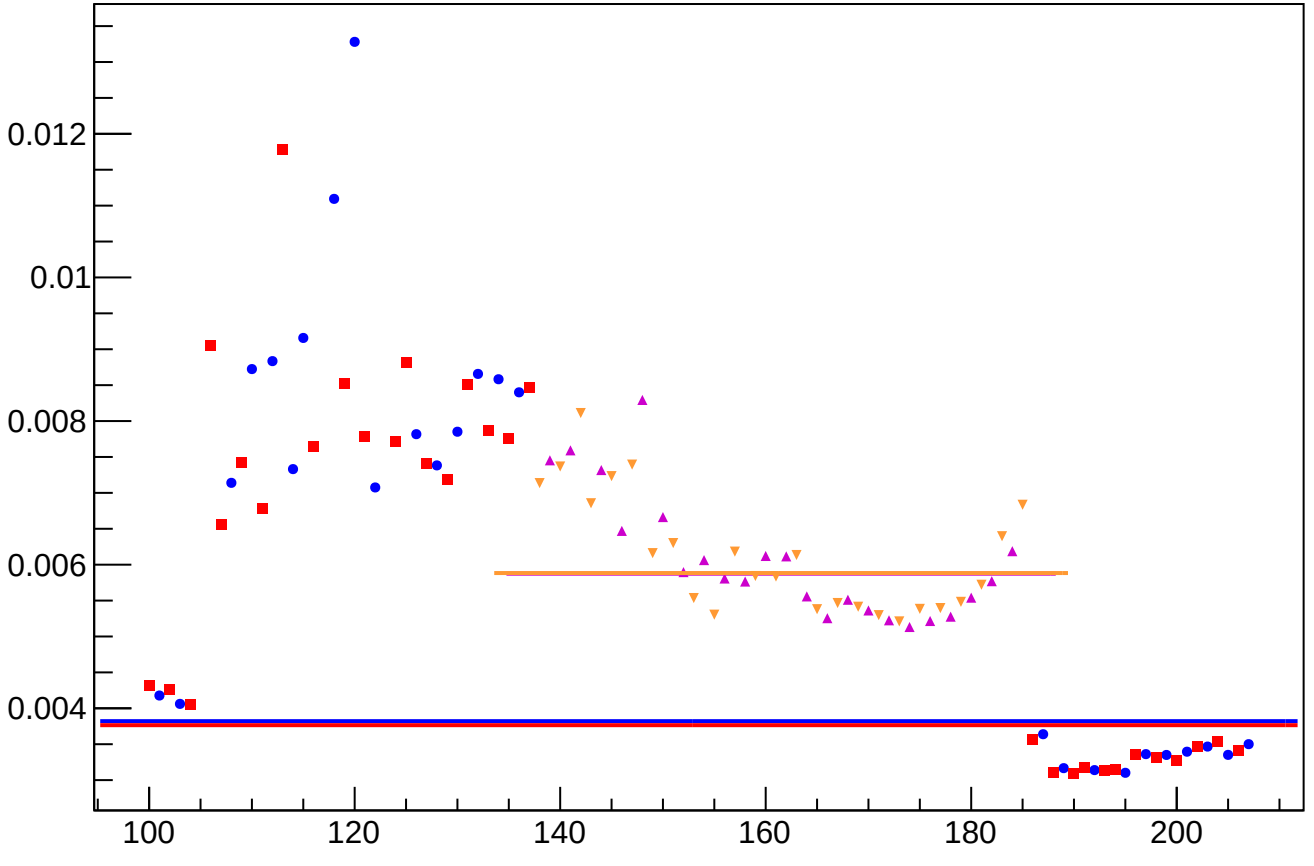
Right: 0.595+/-0.000 χ^2/NDF: 88151881637.6/56

In: 0.363+/-0.000 χ^2/NDF:525144291428.3/48

Out: 0.354+/-0.000 χ^2/NDF:578739301571.3/55

All: 0.358+/-0.000 χ^2/NDF: 1103942149309.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3443463.0/25

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

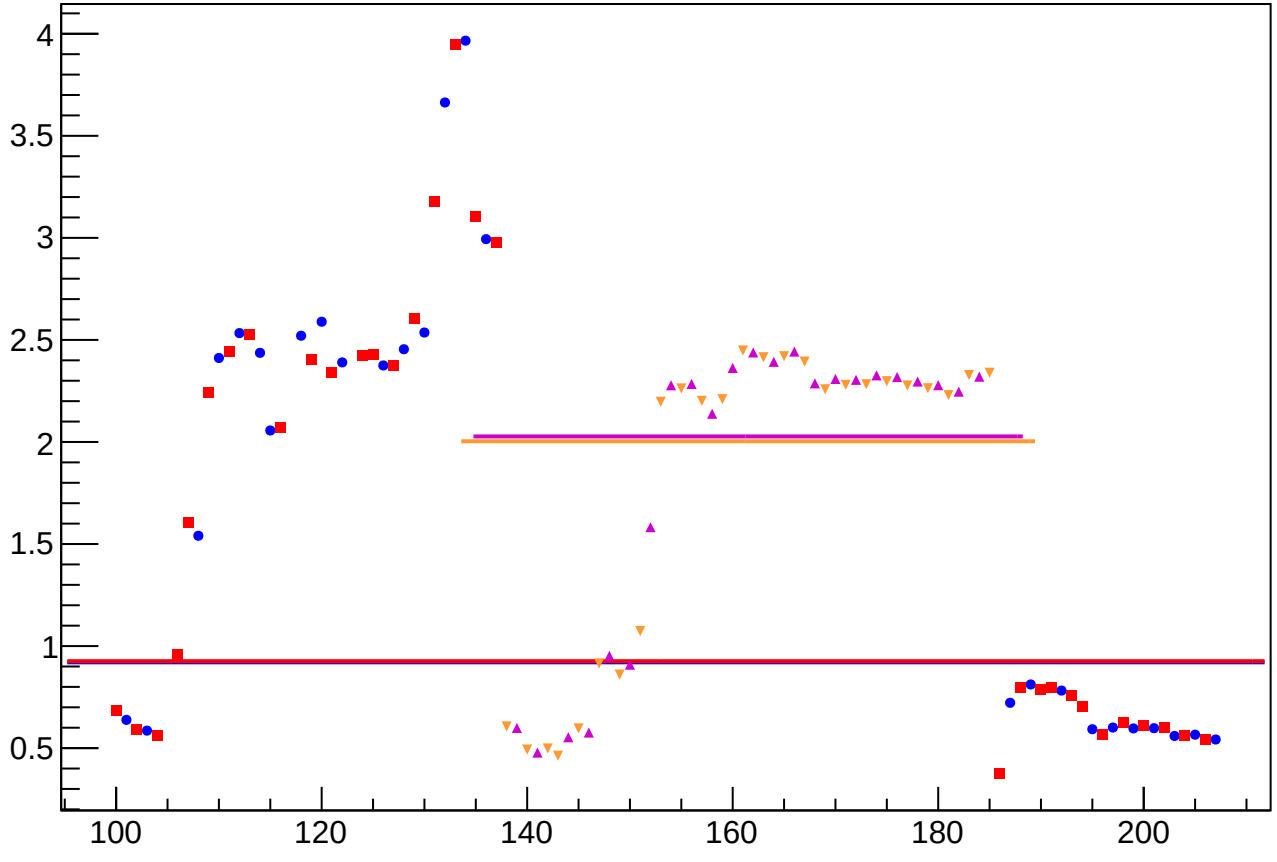
Right: 0.004+/-0.000 χ^2/NDF: 6874971.7/56

In: 0.005+/-0.000 χ^2/NDF:6537839.4/48

Out: 0.004+/-0.000 χ^2/NDF:6863259.0/55

All: 0.005+/-0.000 χ^2/NDF: 13411264.2/104

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.920+/-0.000 χ^2/NDF: 237143260978.0/25

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

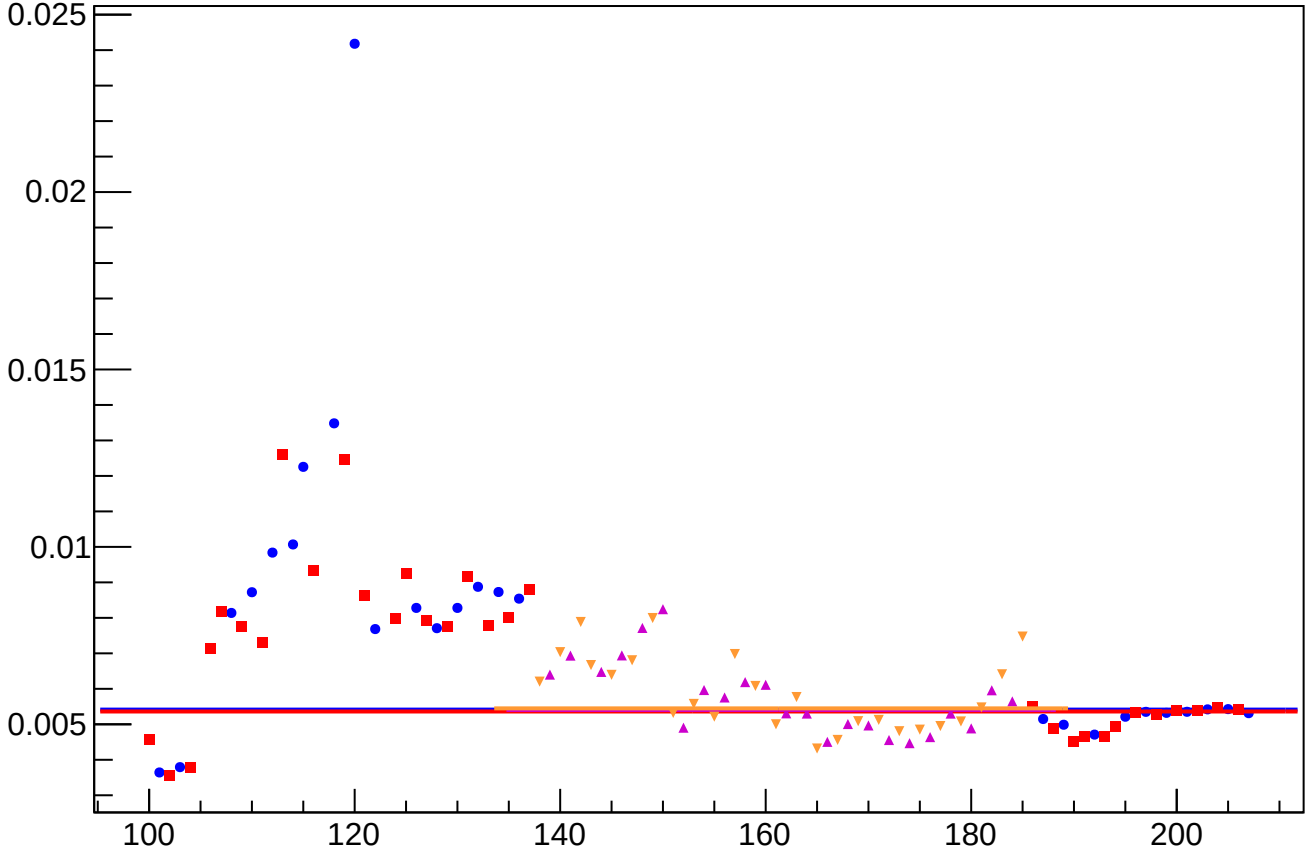
Right: 0.923+/-0.000 χ^2/NDF: 504742698595.0/56

In: 1.536+/-0.000 χ^2/NDF:720477001722.9/48

Out: 1.497+/-0.000 χ^2/NDF:787827290297.6/55

All: 1.516+/-0.000 χ^2/NDF: 1509063884844.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2307874.5/25

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

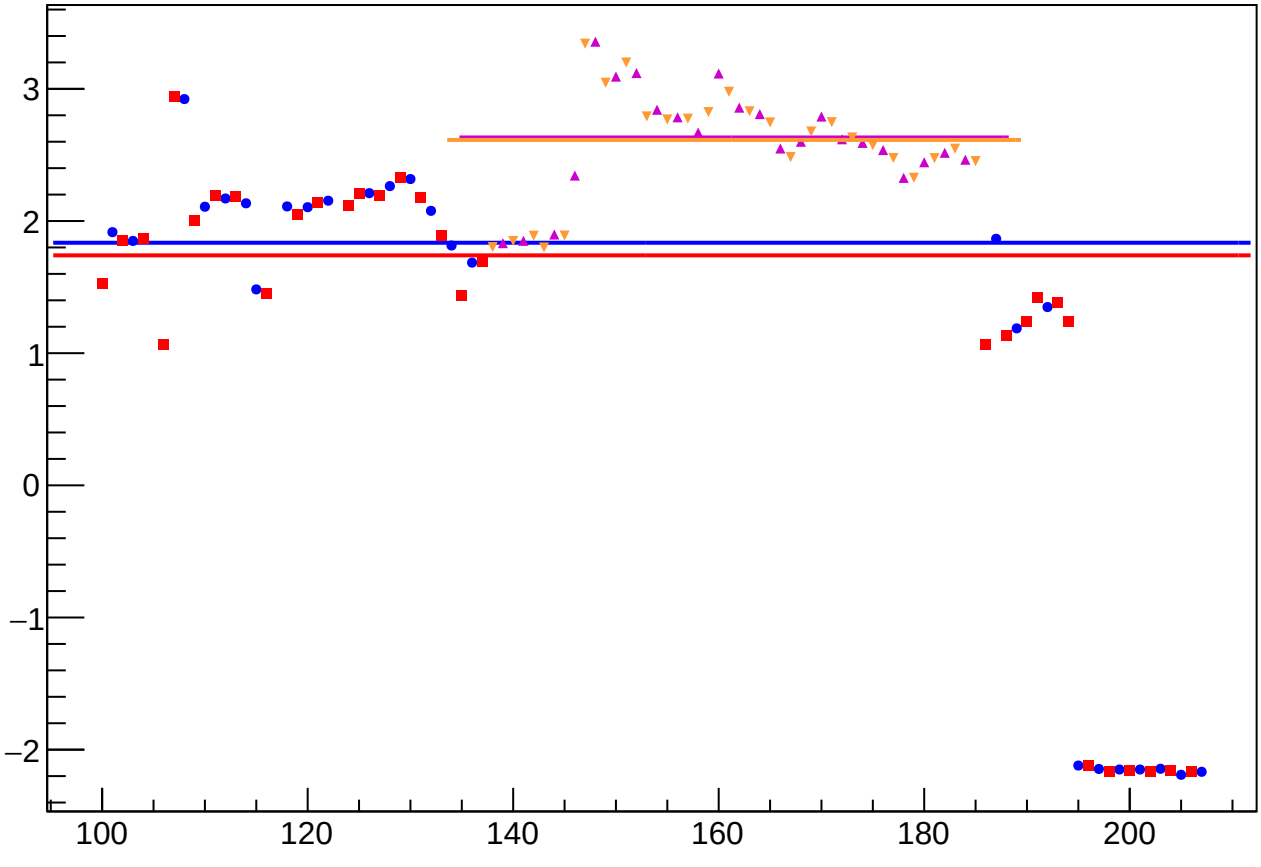
Right: 0.005+/-0.000 χ^2/NDF: 4434876.7/56

In: 0.005+/-0.000 χ^2/NDF:3123054.3/48

Out: 0.005+/-0.000 χ^2/NDF:2901125.7/55

All: 0.005+/-0.000 χ^2/NDF: 6024182.1/104

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.836+/-0.000 χ^2/NDF: 151460829037.7/25

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

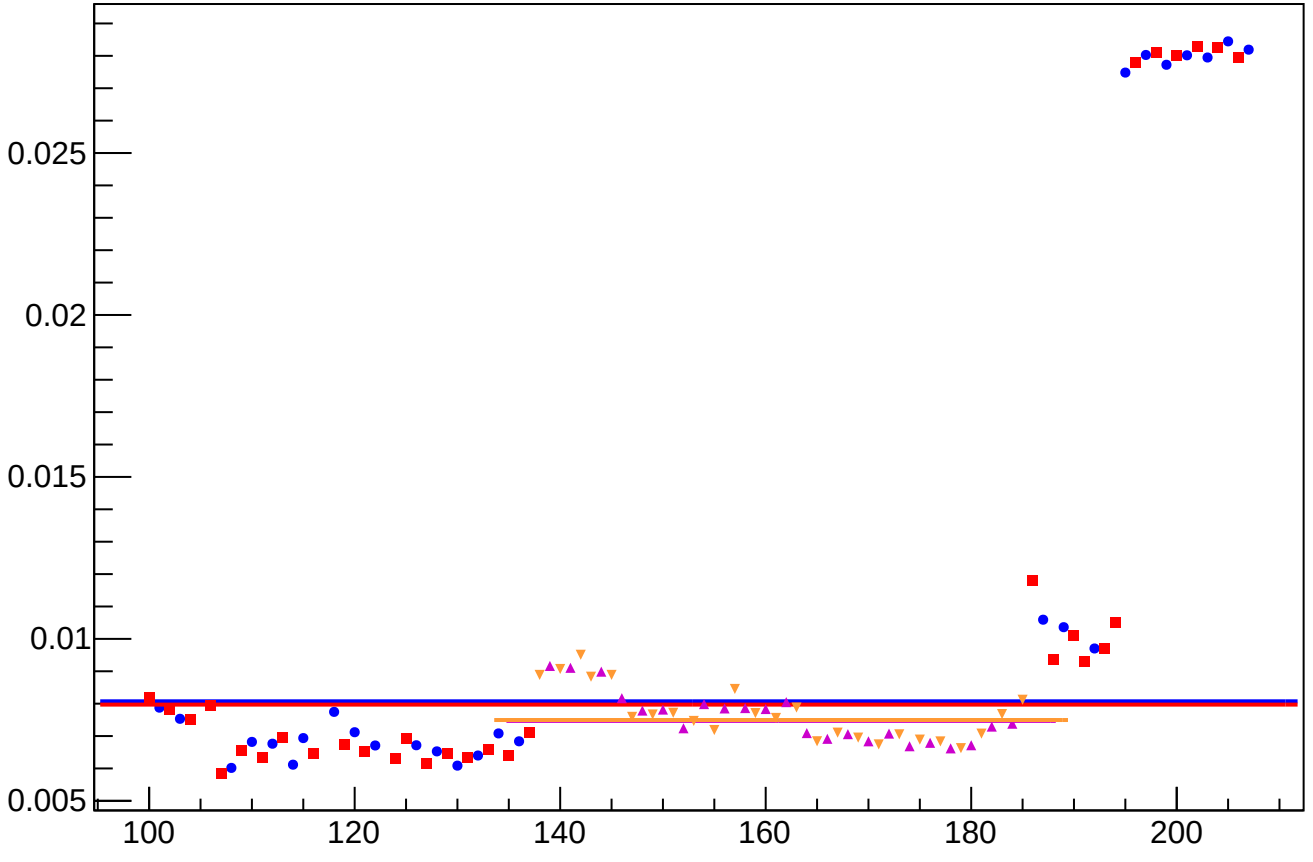
Right: 1.784+/-0.000 χ^2/NDF: 295440663413.5/56

In: 2.349+/-0.000 χ^2/NDF:261962380329.7/48

Out: 2.279+/-0.000 χ^2/NDF:283991396353.8/55

All: 2.312+/-0.000 χ^2/NDF: 547203313376.6

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 6794883.2/25

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

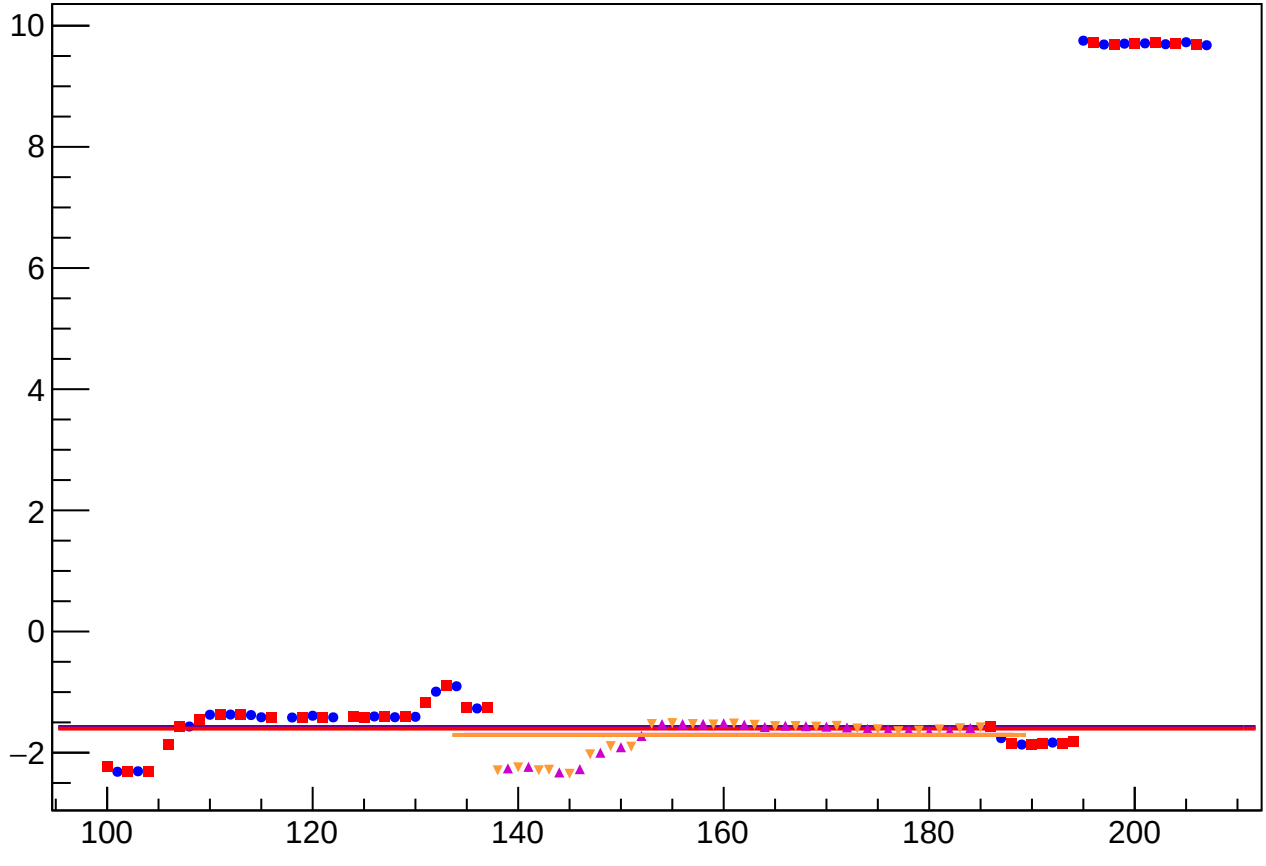
Right: 0.008+/-0.000 χ^2/NDF: 13155884.4/56

In: 0.008+/-0.000 χ^2/NDF:7197579.1/48

Out: 0.008+/-0.000 χ^2/NDF:6747845.8/55

All: 0.008+/-0.000 χ^2/NDF: 13945437.9/104

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.578+/-0.000 χ^2/NDF: 390694063382.6/25

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

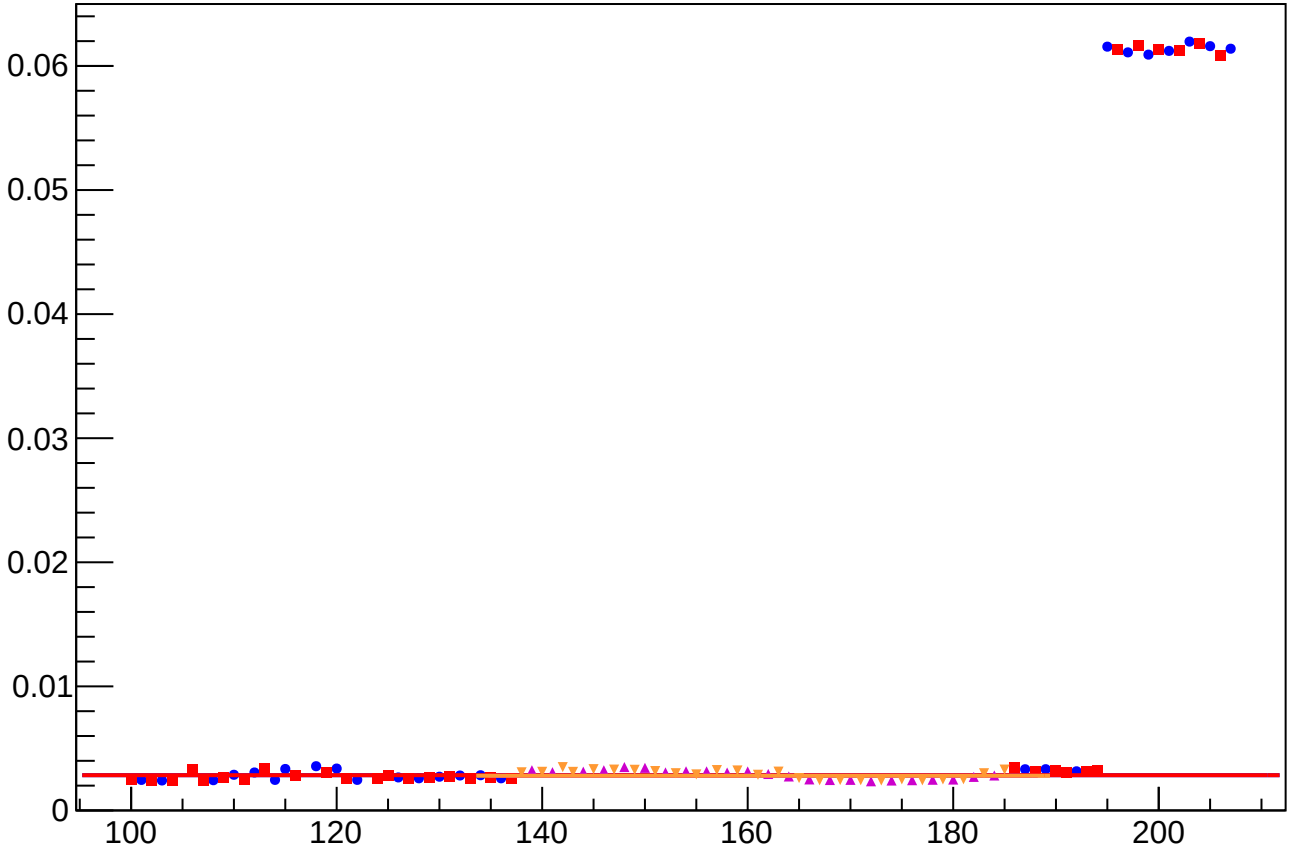
Right: -1.591+/-0.000 χ^2/NDF: 766540086122.5/56

In: -1.663+/-0.000 χ^2/NDF:539180942319.2/48

Out: -1.669+/-0.000 χ^2/NDF:536756171539.4/55

All: -1.666+/-0.000 χ^2/NDF: 1075995165074

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 11258102.9/25

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

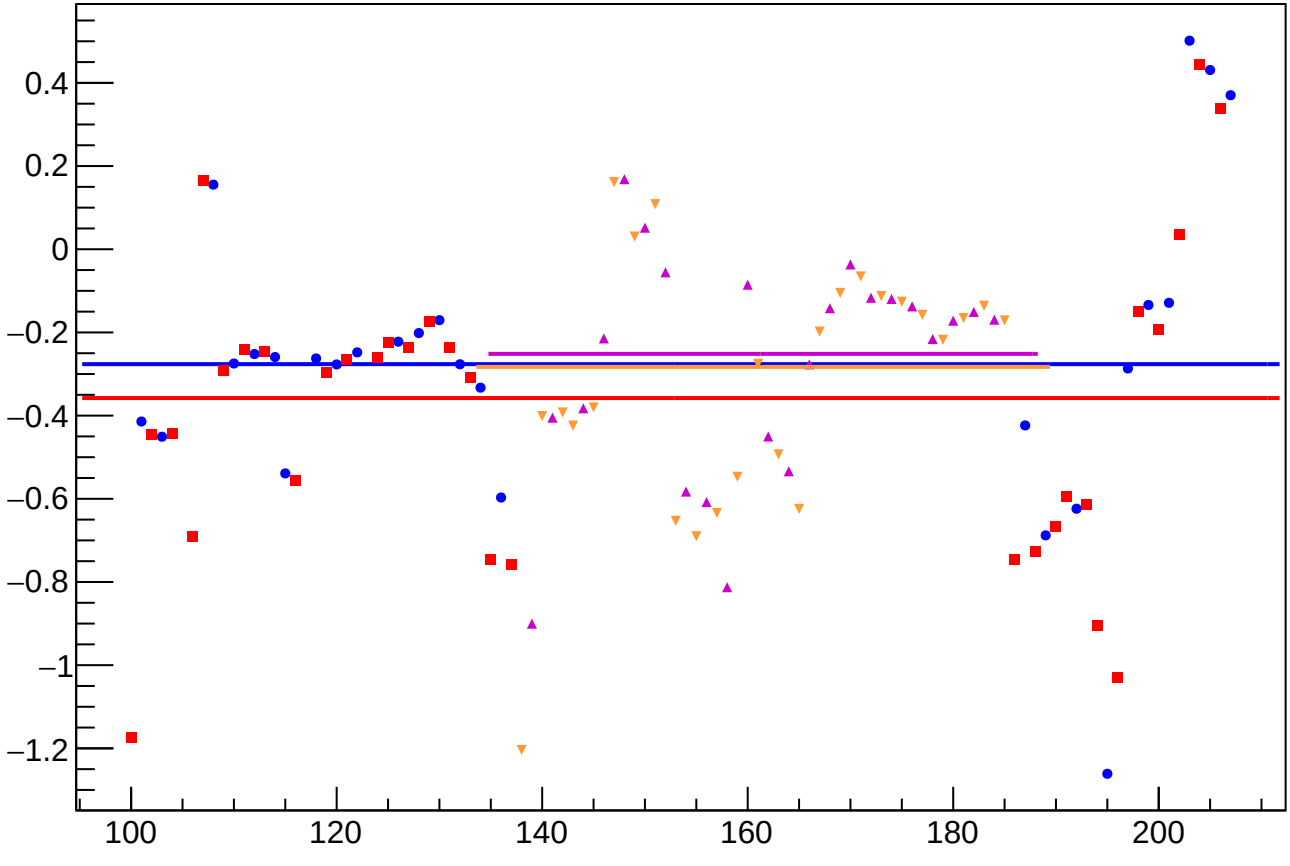
Right: 0.003+/-0.000 χ^2/NDF: 21201117.0/56

In: 0.003+/-0.000 χ^2/NDF:11820149.2/48

Out: 0.003+/-0.000 χ^2/NDF:10494162.9/55

All: 0.003+/-0.000 χ^2/NDF: 22314625.2/104

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.276+/-0.000 χ^2/NDF: 8432397742.3/25

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

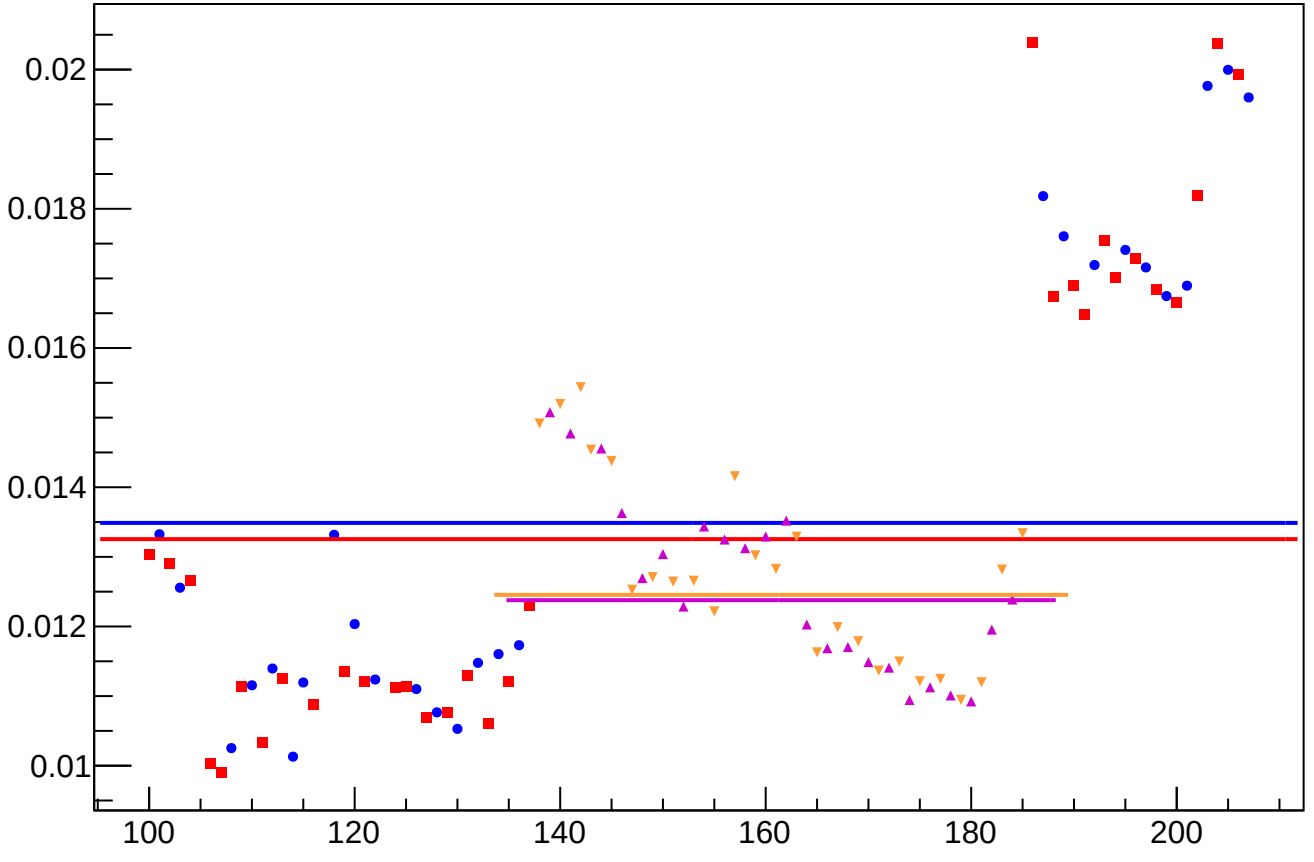
Right: -0.320+/-0.000 χ^2/NDF: 17453157980.6/56

In: -0.261+/-0.000 χ^2/NDF:15627385548.5/48

Out: -0.314+/-0.000 χ^2/NDF:18376161292.9/55

All: -0.289+/-0.000 χ^2/NDF: 34279041416.3/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1458878.5/25

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

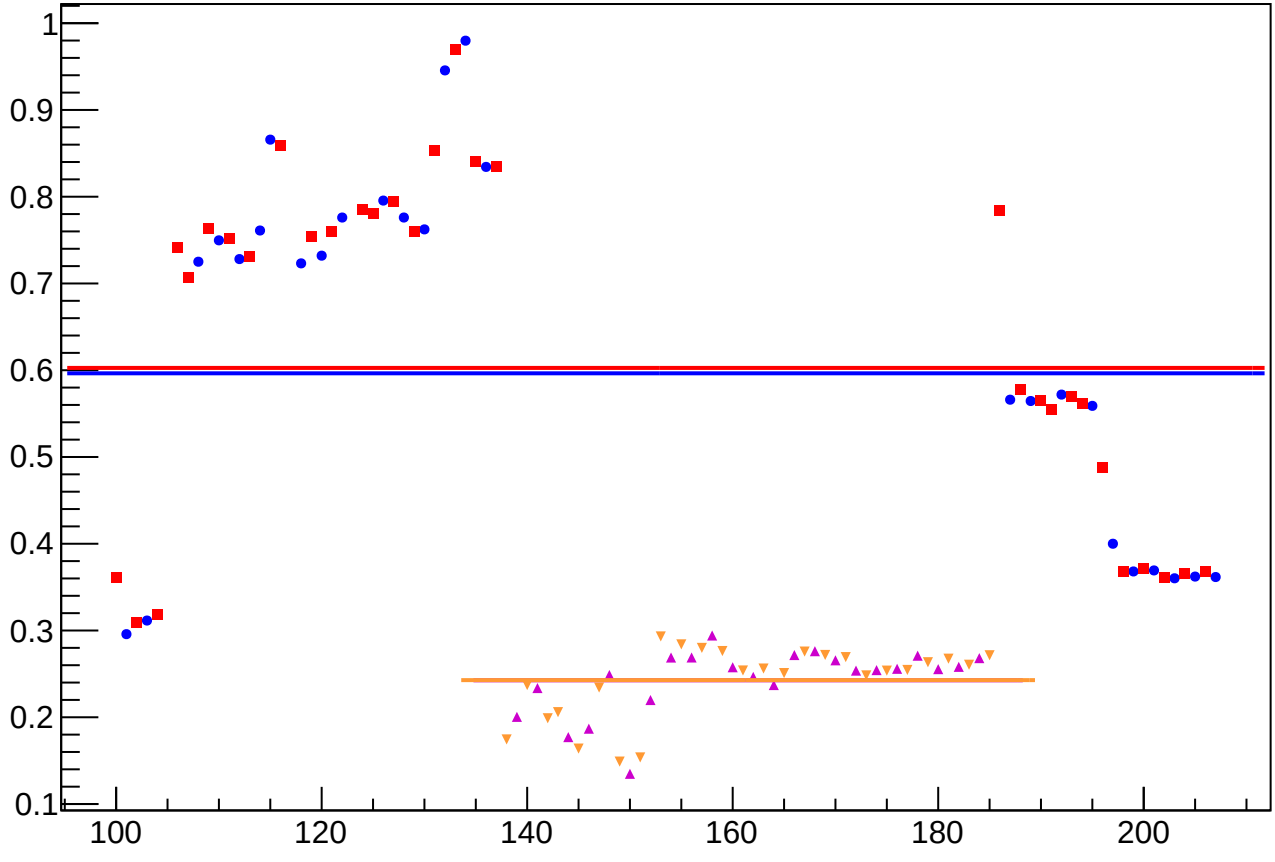
Right: 0.013+/-0.000 χ^2/NDF: 3228485.6/56

In: 0.013+/-0.000 χ^2/NDF:1897402.5/48

Out: 0.013+/-0.000 χ^2/NDF:2170403.3/55

All: 0.013+/-0.000 χ^2/NDF: 4067980.6/104

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.596+/-0.000 χ^2/NDF: 89921629363.1/25

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

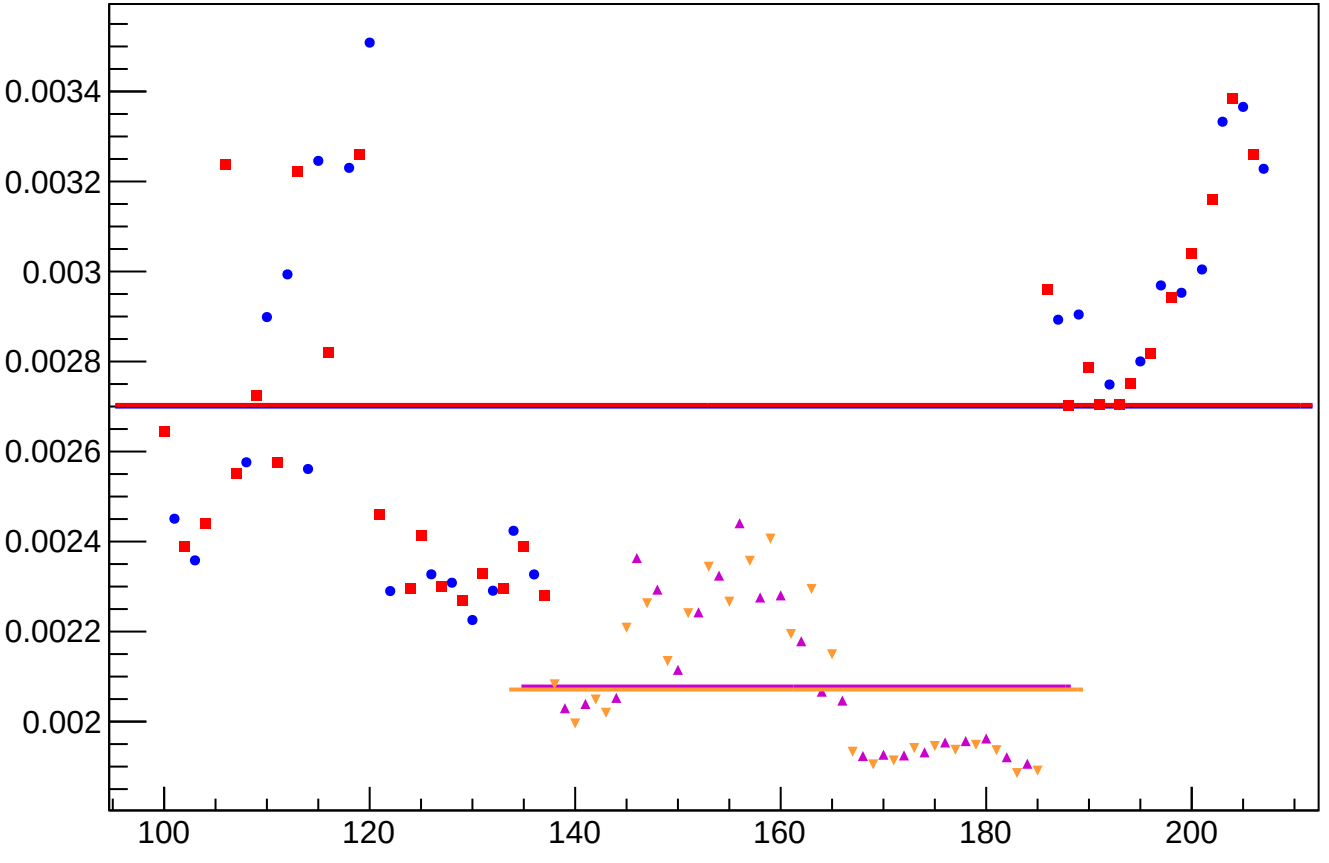
Right: 0.600+/-0.000 χ^2/NDF: 175460613143.4/56

In: 0.355+/-0.000 χ^2/NDF:262136075601.1/48

Out: 0.360+/-0.000 χ^2/NDF:279916445533.4/55

All: 0.357+/-0.000 χ^2/NDF: 542126551521.0

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 548385.8/25

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

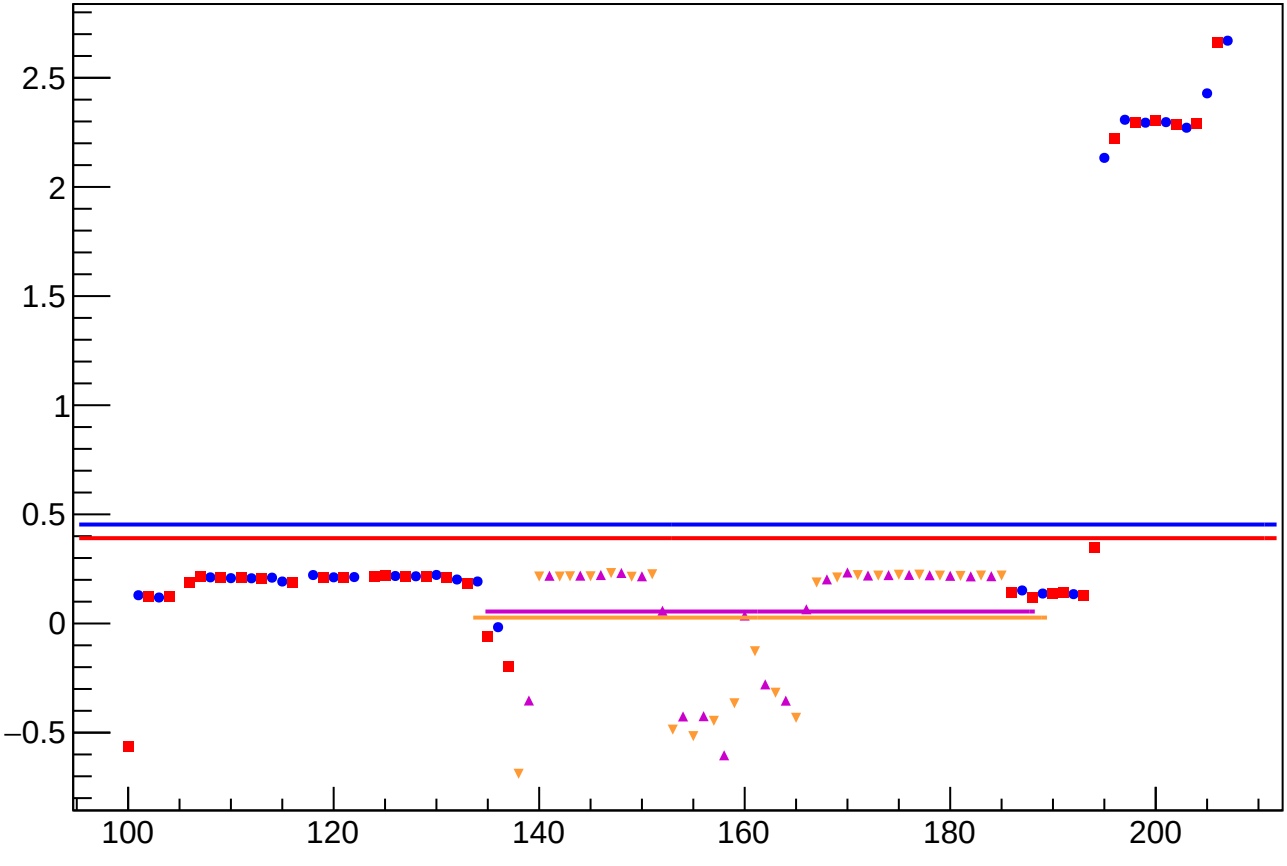
Right: 0.003+/-0.000 χ^2/NDF: 1020263.0/56

In: 0.002+/-0.000 χ^2/NDF:1788391.2/48

Out: 0.002+/-0.000 χ^2/NDF:1861432.8/55

All: 0.002+/-0.000 χ^2/NDF: 3649836.4/104

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.453+/-0.000 χ^2/NDF: 48017513248.8/25

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

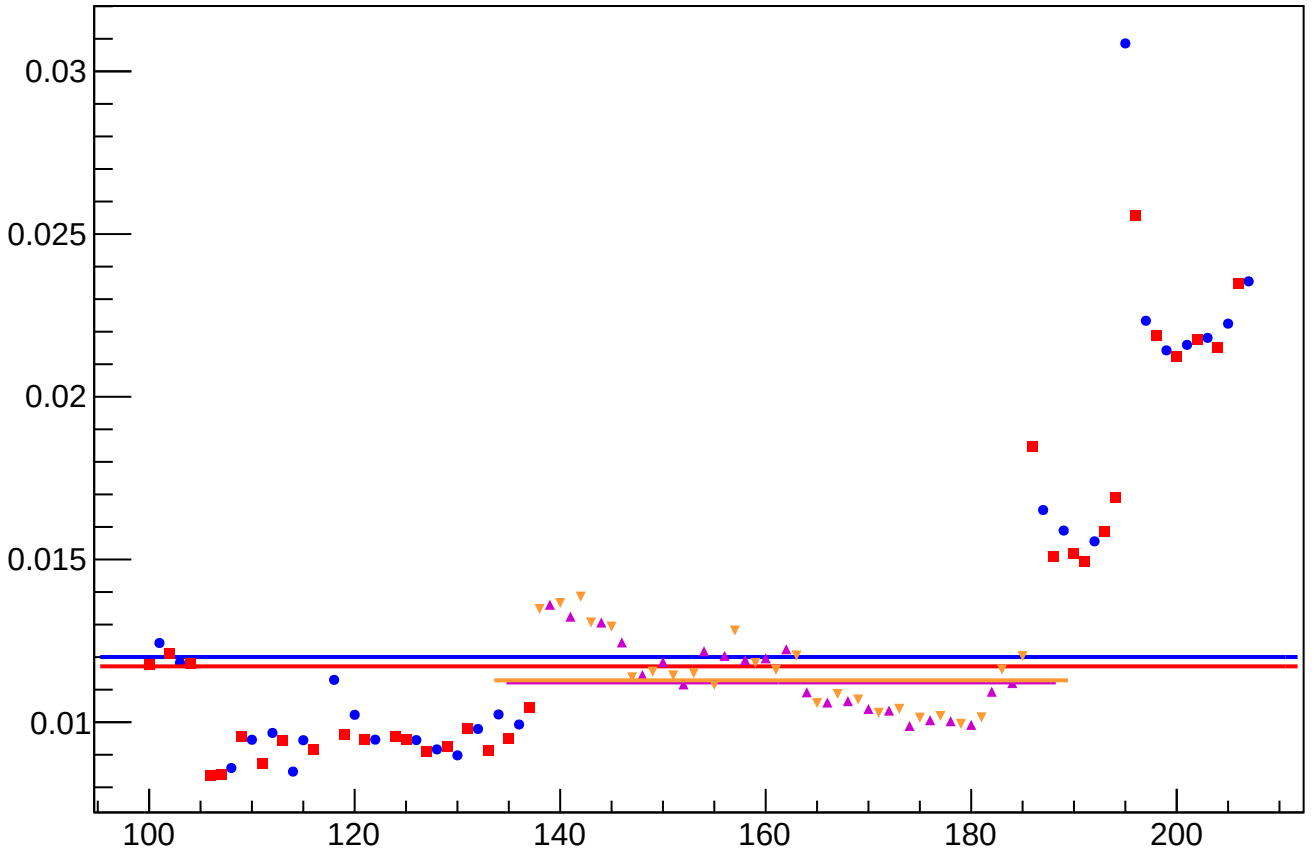
Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

Right: 0.420+/-0.000 χ^2/NDF: 94405566145.7/56

In: 0.211+/-0.000 χ^2/NDF:66263924837.2/48

Out: 0.179+/-0.000 χ^2/NDF:67121407603.0/55

All: 0.194+/-0.000 χ^2/NDF: 133502259577.7



Right In: 0.012+/-0.000 χ^2/NDF: 3781686.5/25

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

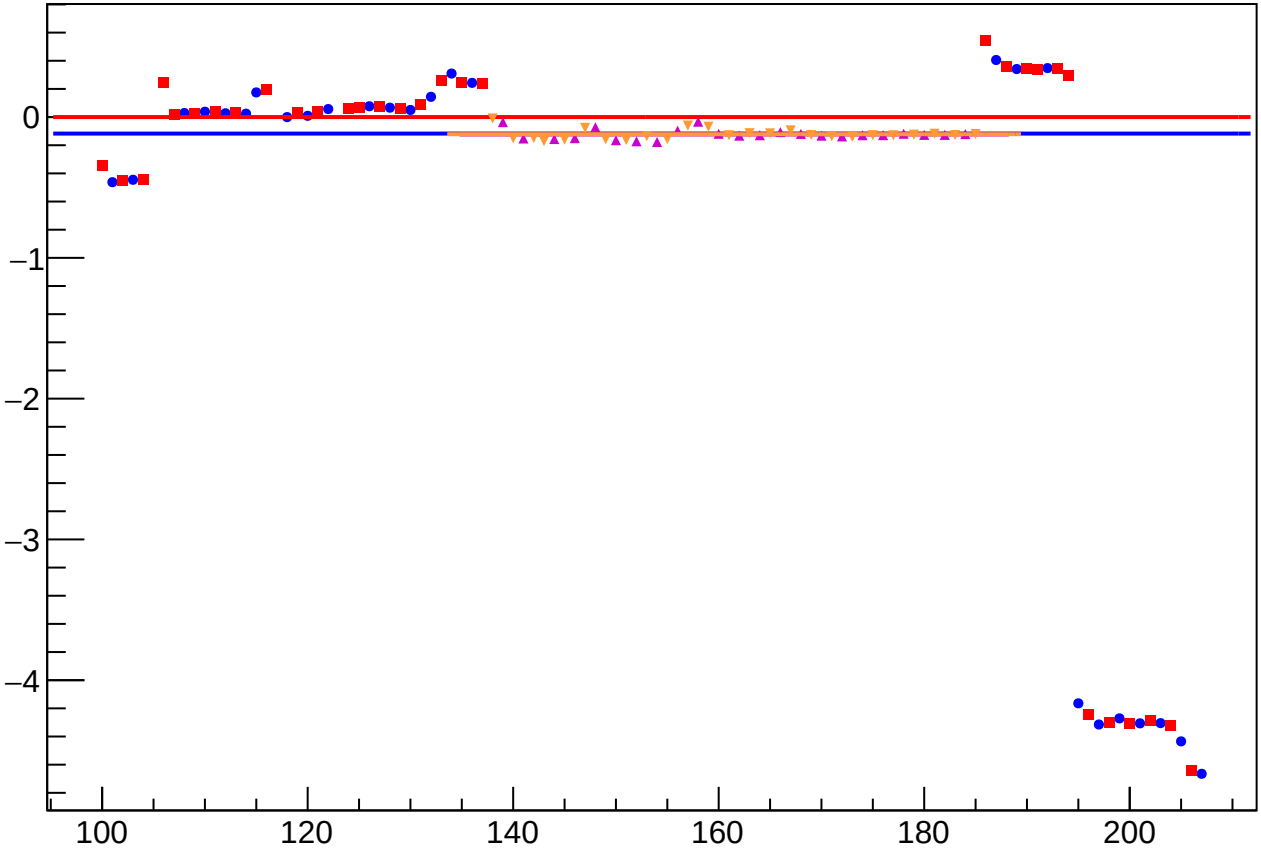
Right: 0.012+/-0.000 χ^2/NDF: 7602913.0/56

In: 0.012+/-0.000 χ^2/NDF:4162353.6/48

Out: 0.011+/-0.000 χ^2/NDF:4163800.2/55

All: 0.011+/-0.000 χ^2/NDF: 8327040.3/104

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.117+/-0.000 χ^2/NDF: 345892766385.8/25

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

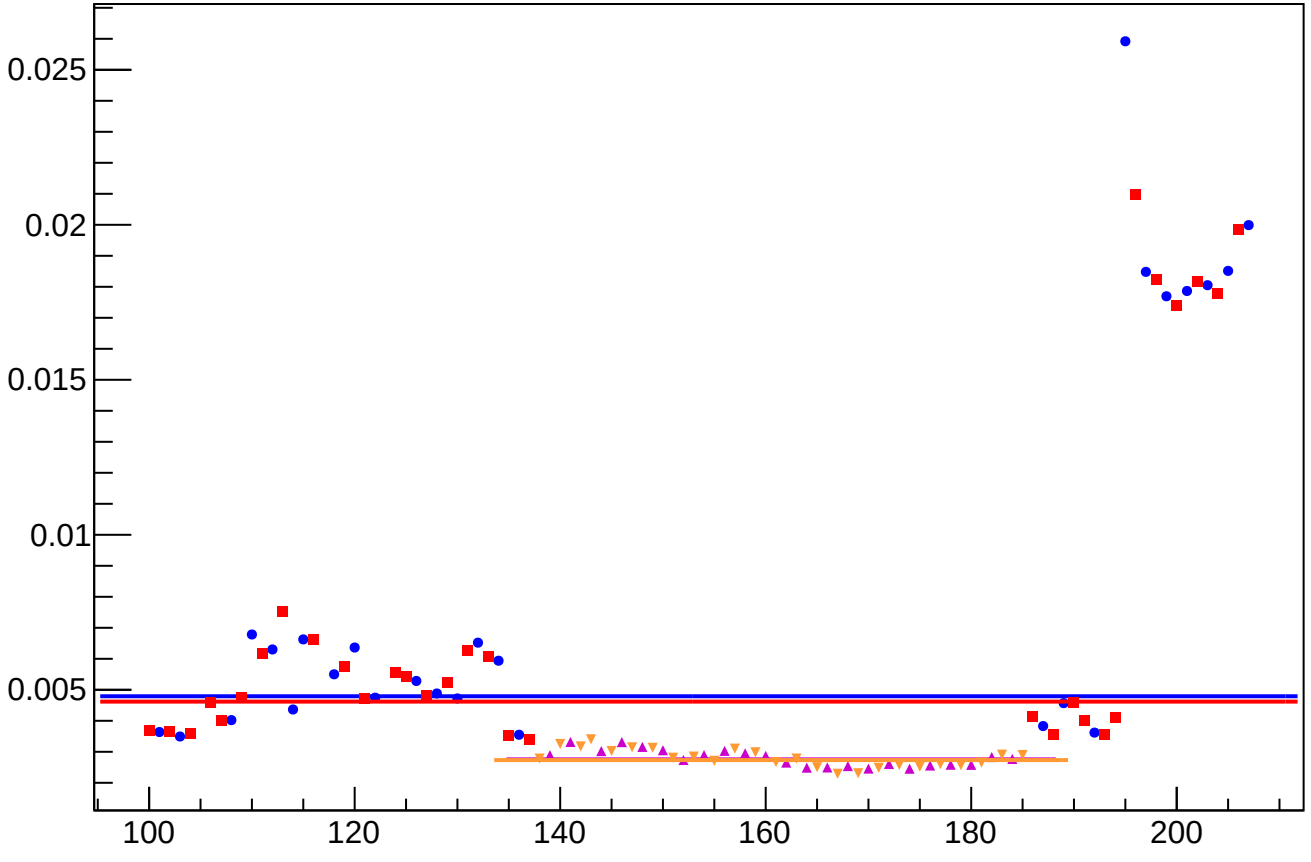
Right: -0.052+/-0.000 χ^2/NDF: 690960728084.2/56

In: -0.123+/-0.000 χ^2/NDF:348717471965.3/48

Out: -0.099+/-0.000 χ^2/NDF:351312204908.7/55

All: -0.110+/-0.000 χ^2/NDF: 700804027142.1

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 7785088.4/25

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

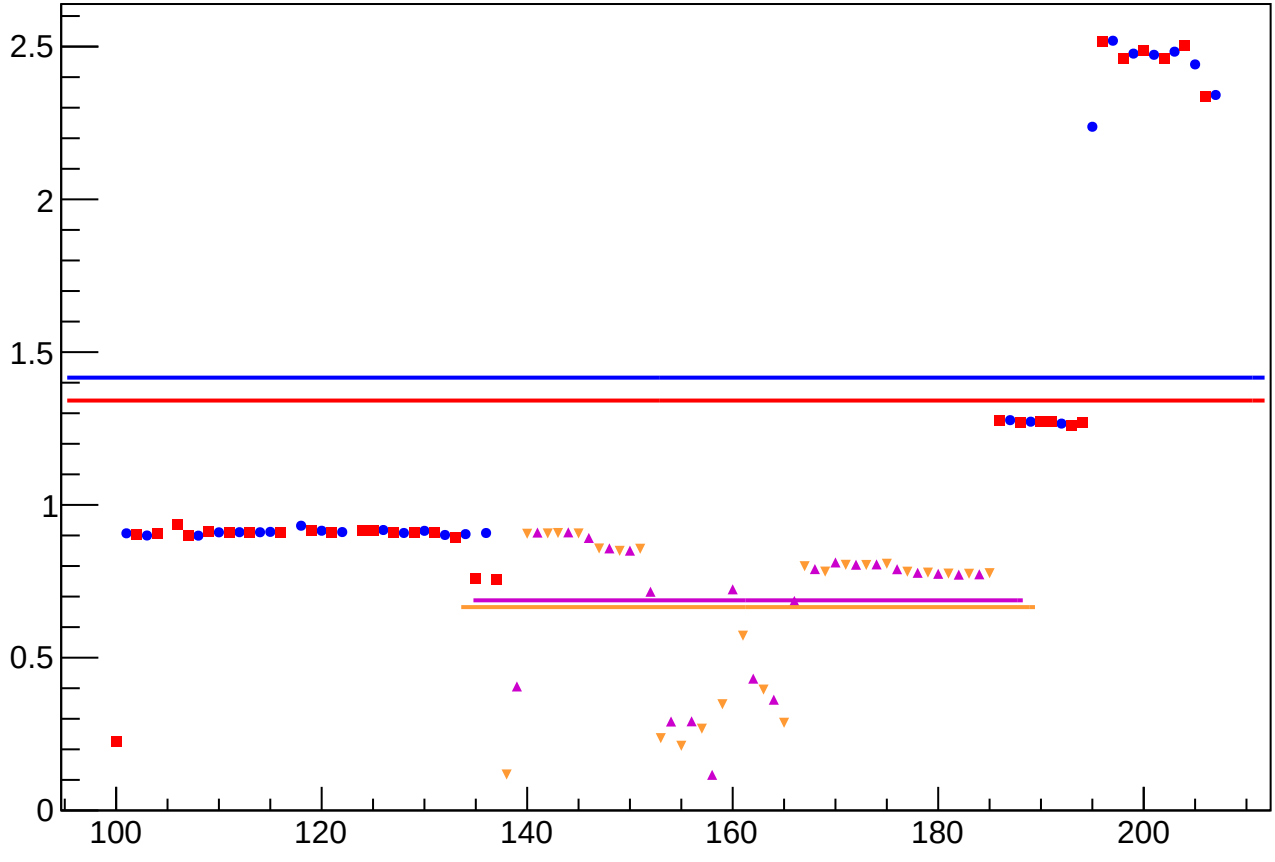
Right: 0.005+/-0.000 χ^2/NDF: 14815576.9/56

In: 0.003+/-0.000 χ^2/NDF:11151728.9/48

Out: 0.003+/-0.000 χ^2/NDF:10623006.4/55

All: 0.003+/-0.000 χ^2/NDF: 21774869.0/104

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.417+/-0.000 χ^2/NDF: 45456198126.7/25

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

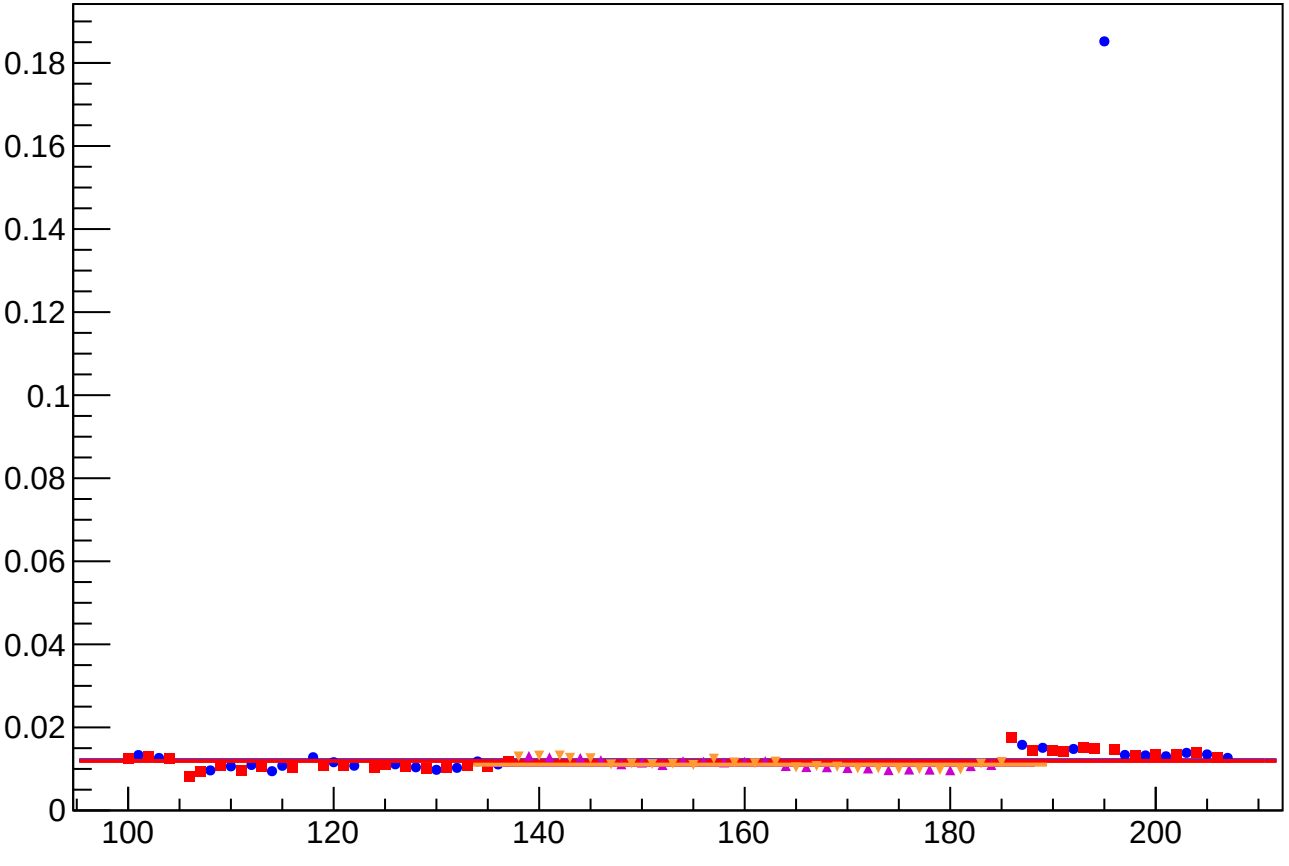
Right: 1.377+/-0.000 χ^2/NDF: 92111973362.0/56

In: 0.971+/-0.000 χ^2/NDF:82440609681.2/48

Out: 0.944+/-0.000 χ^2/NDF:84069281116.9/55

All: 0.957+/-0.000 χ^2/NDF: 166602644411.0

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1999686.0/25

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

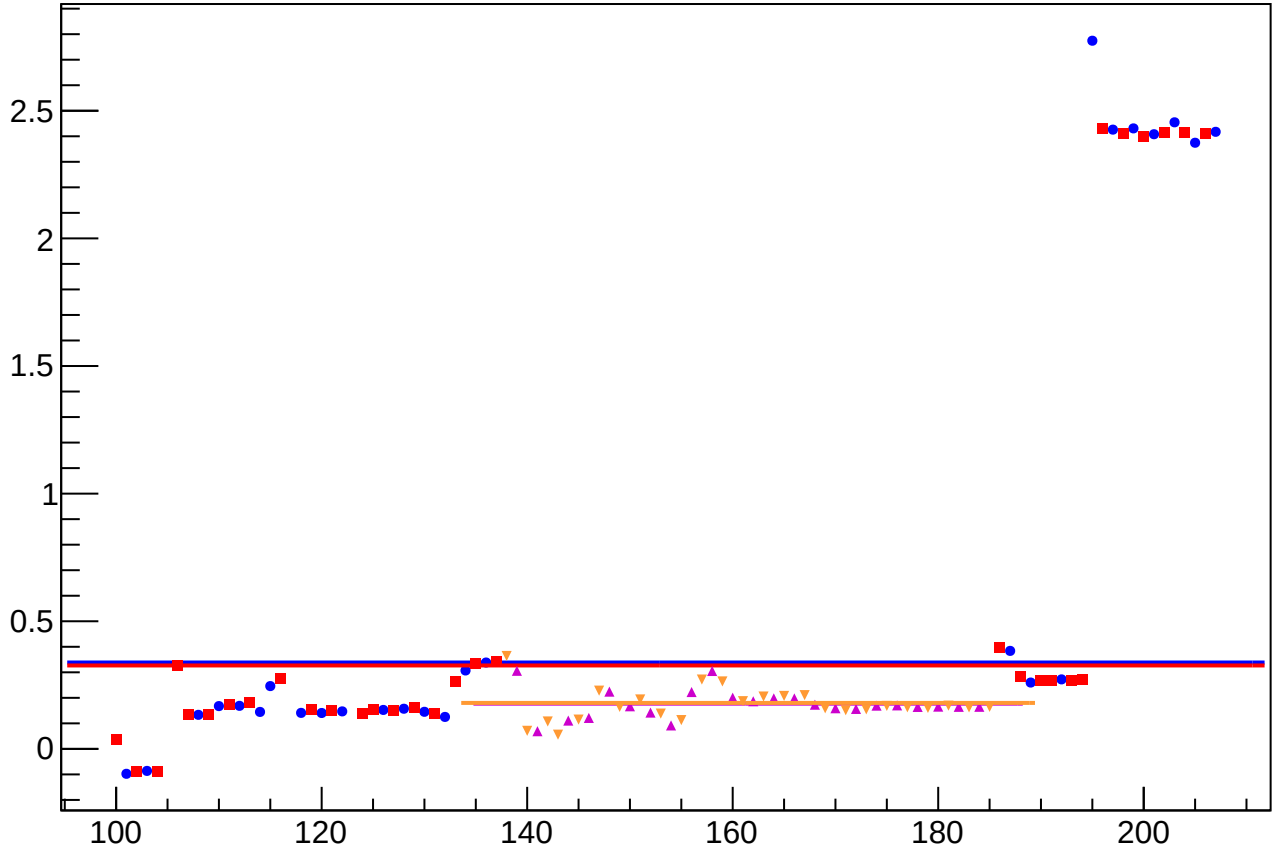
Right: 0.012+/-0.000 χ^2/NDF: 2789094.7/56

In: 0.011+/-0.000 χ^2/NDF:2428990.0/48

Out: 0.011+/-0.000 χ^2/NDF:1187144.4/55

All: 0.011+/-0.000 χ^2/NDF: 3616135.3/104

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.338+/-0.000 χ^2/NDF: 152722098819.3/25

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

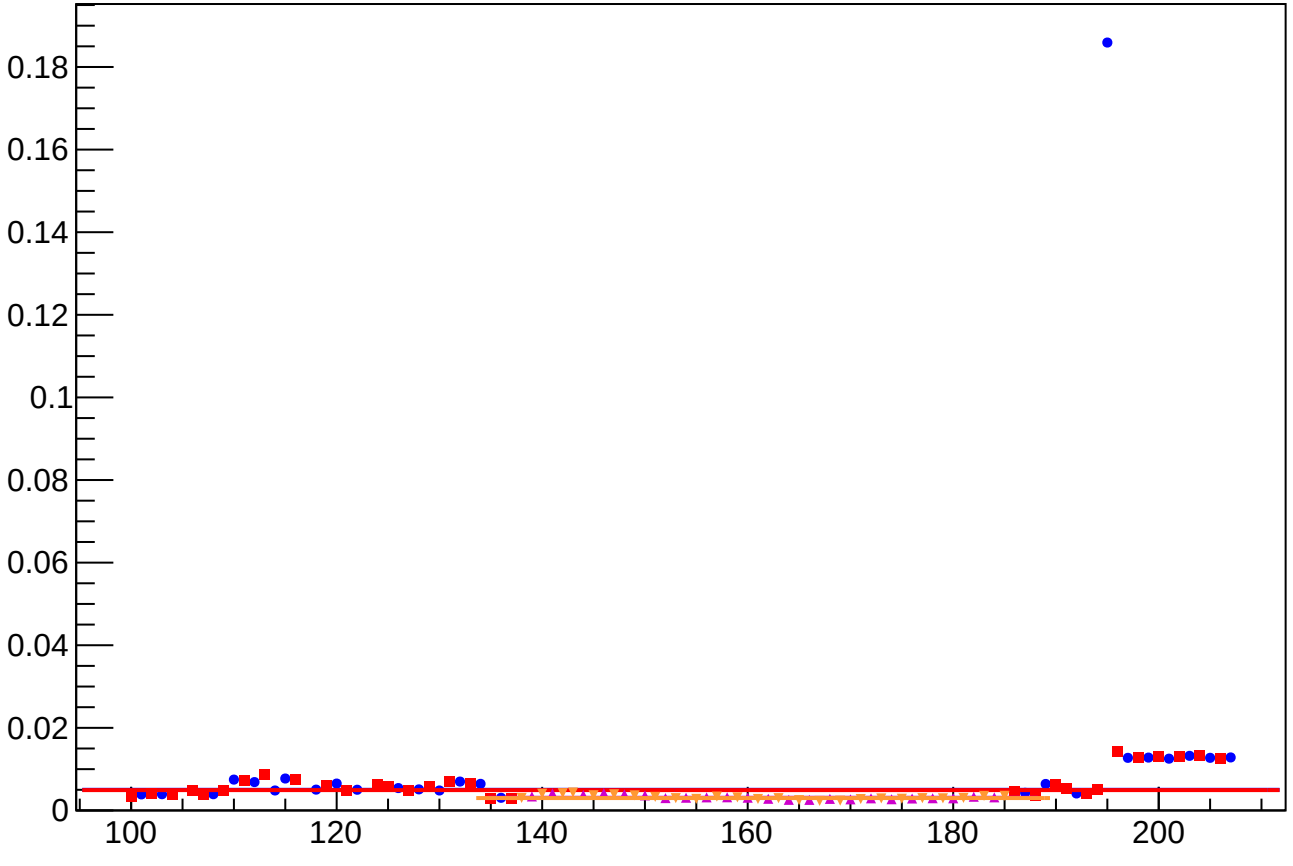
Right: 0.332+/-0.000 χ^2/NDF: 293563482957.4/56

In: 0.208+/-0.000 χ^2/NDF:166037272358.5/48

Out: 0.209+/-0.000 χ^2/NDF:155657165253.4/55

All: 0.208+/-0.000 χ^2/NDF: 321697649502.5

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 6713895.8/25

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

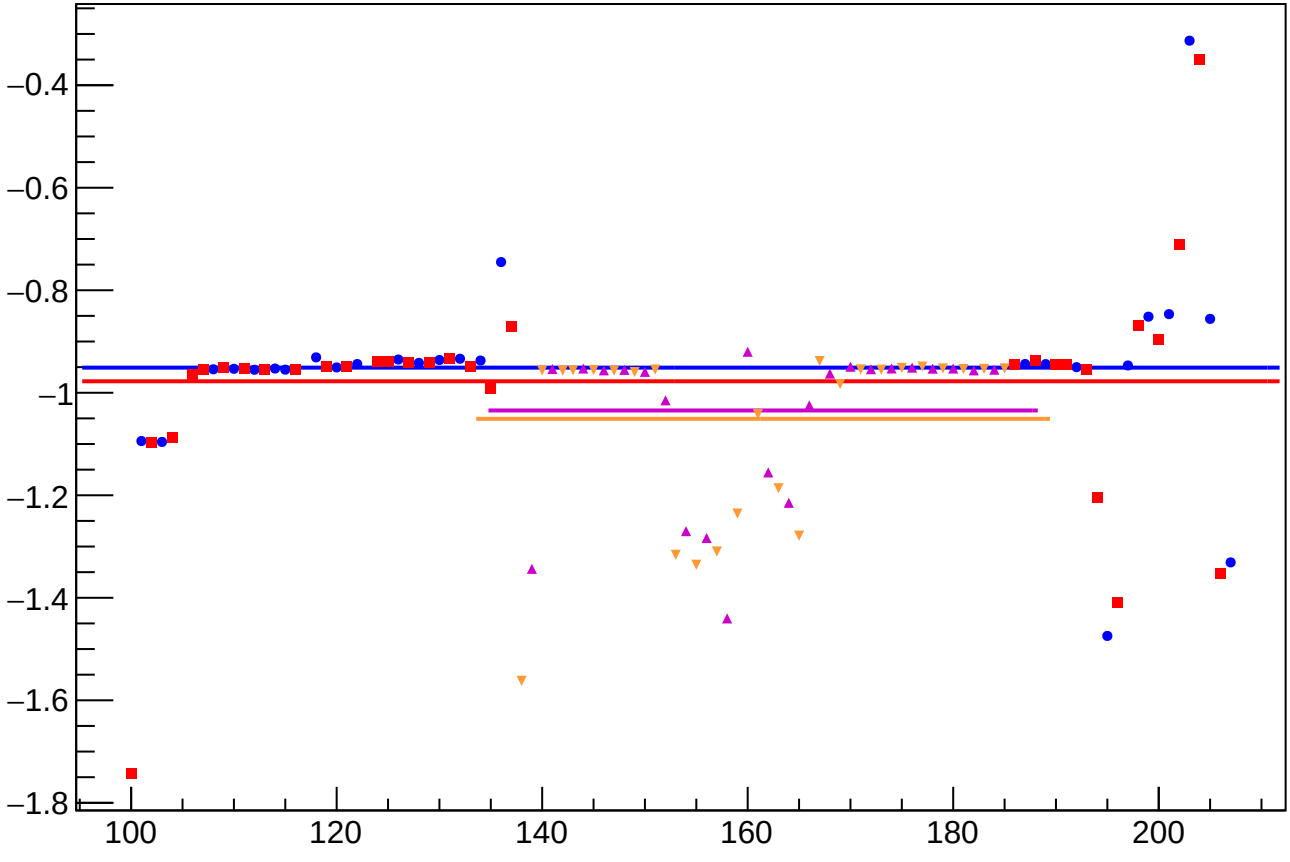
Right: 0.005+/-0.000 χ^2/NDF: 11970966.8/56

In: 0.003+/-0.000 χ^2/NDF:9781057.9/48

Out: 0.003+/-0.000 χ^2/NDF:9037511.8/55

All: 0.003+/-0.000 χ^2/NDF: 18824680.7/104

yield_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -0.951+/-0.000 χ^2/NDF: 4078807093.2/25

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

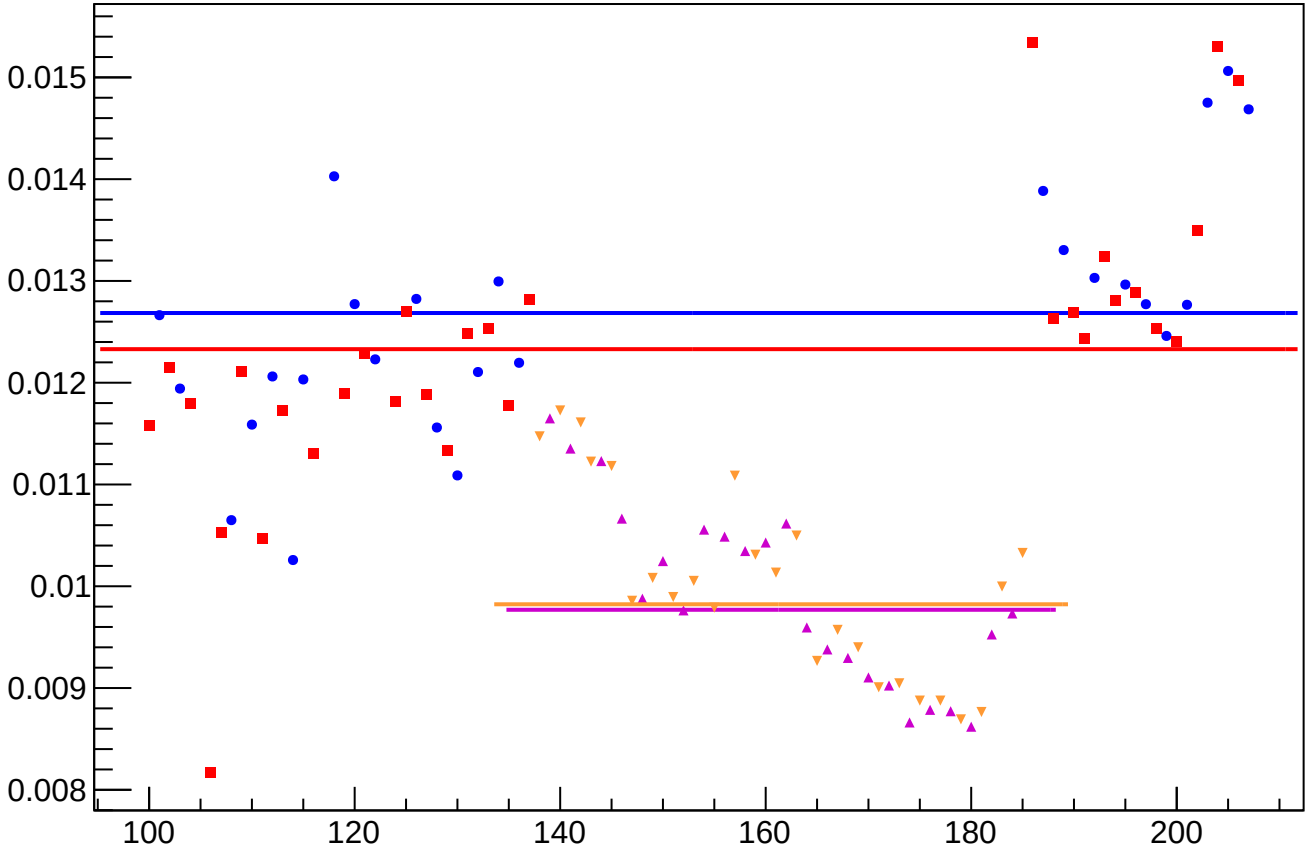
Right: -0.965+/-0.000 χ^2/NDF: 8194828851.8/56

In: -1.007+/-0.000 χ^2/NDF:8423091970.6/48

Out: -1.025+/-0.000 χ^2/NDF:9525678291.0/55

All: -1.017+/-0.000 χ^2/NDF: 17993932368.6/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 213838.3/25

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

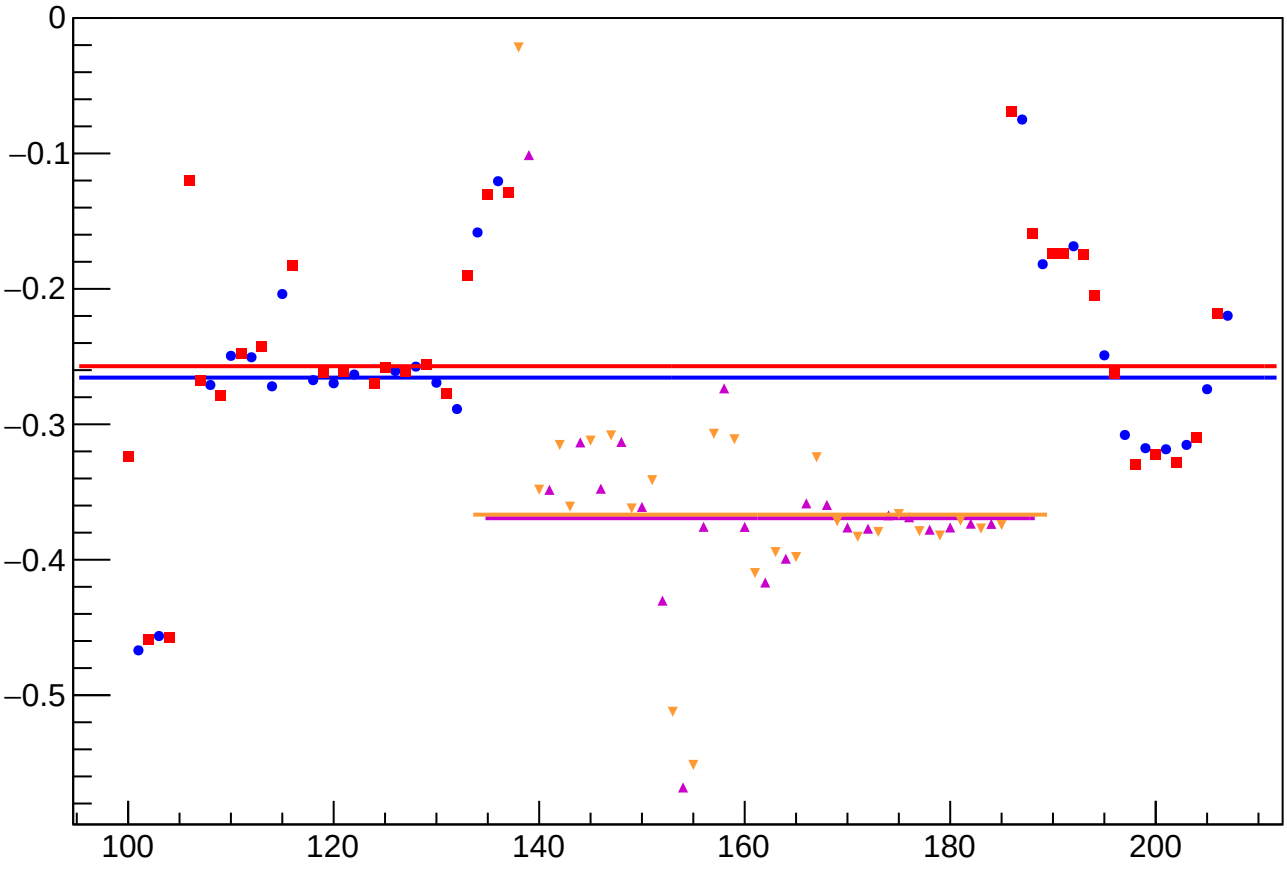
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 630435.2/56

In: 0.011+/-0.000 χ^2/NDF:1515028.0/48

Out: 0.011+/-0.000 χ^2/NDF:1544208.7/55

All: 0.011+/-0.000 χ^2/NDF: 3059316.6/104



Right In: -0.266+/-0.000 χ^2/NDF: 7869555224.7/25

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

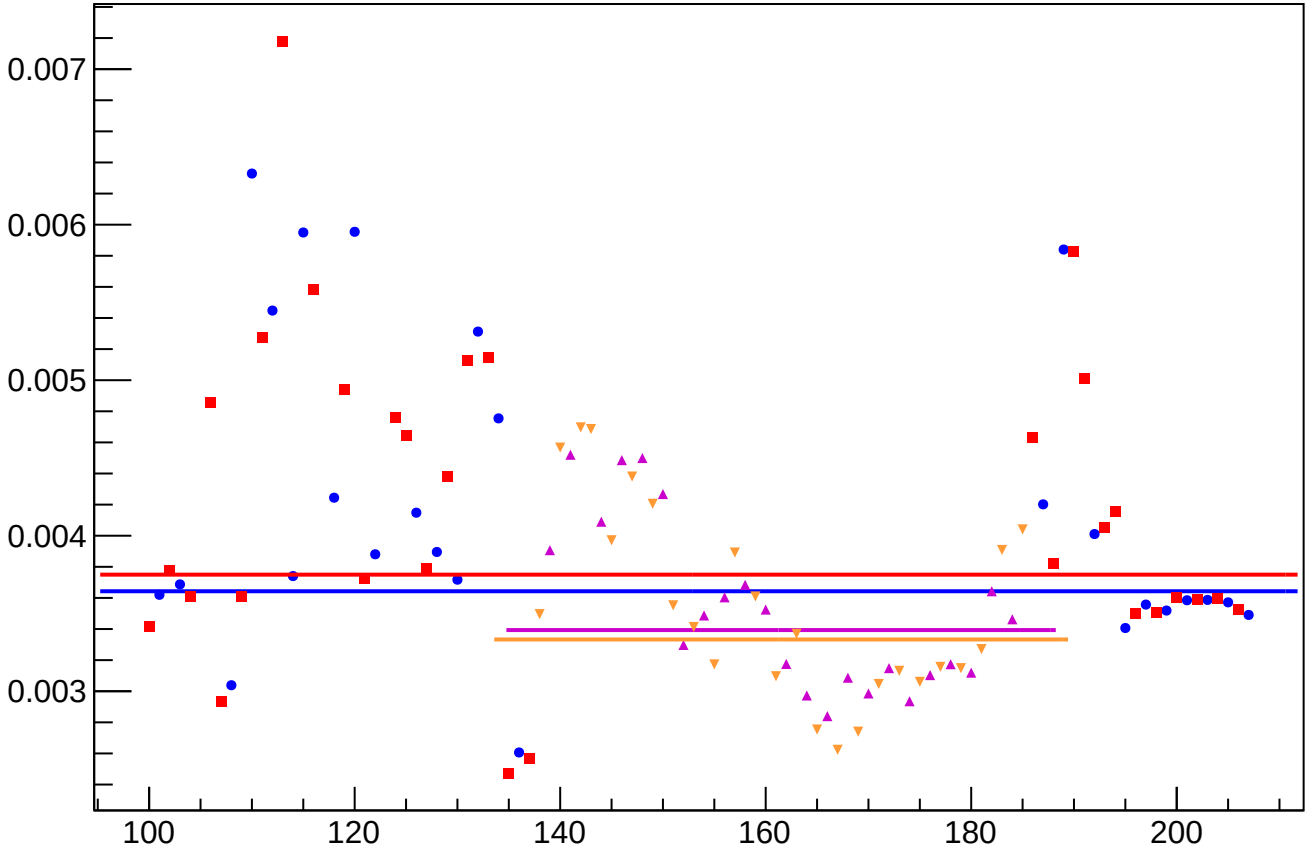
Right: -0.261+/-0.000 χ^2/NDF: 16219419543.8/56

In: -0.327+/-0.000 χ^2/NDF:21783564167.7/48

Out: -0.323+/-0.000 χ^2/NDF:27772156600.4/55

All: -0.325+/-0.000 χ^2/NDF: 49572758172.9/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 907378.0/25

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

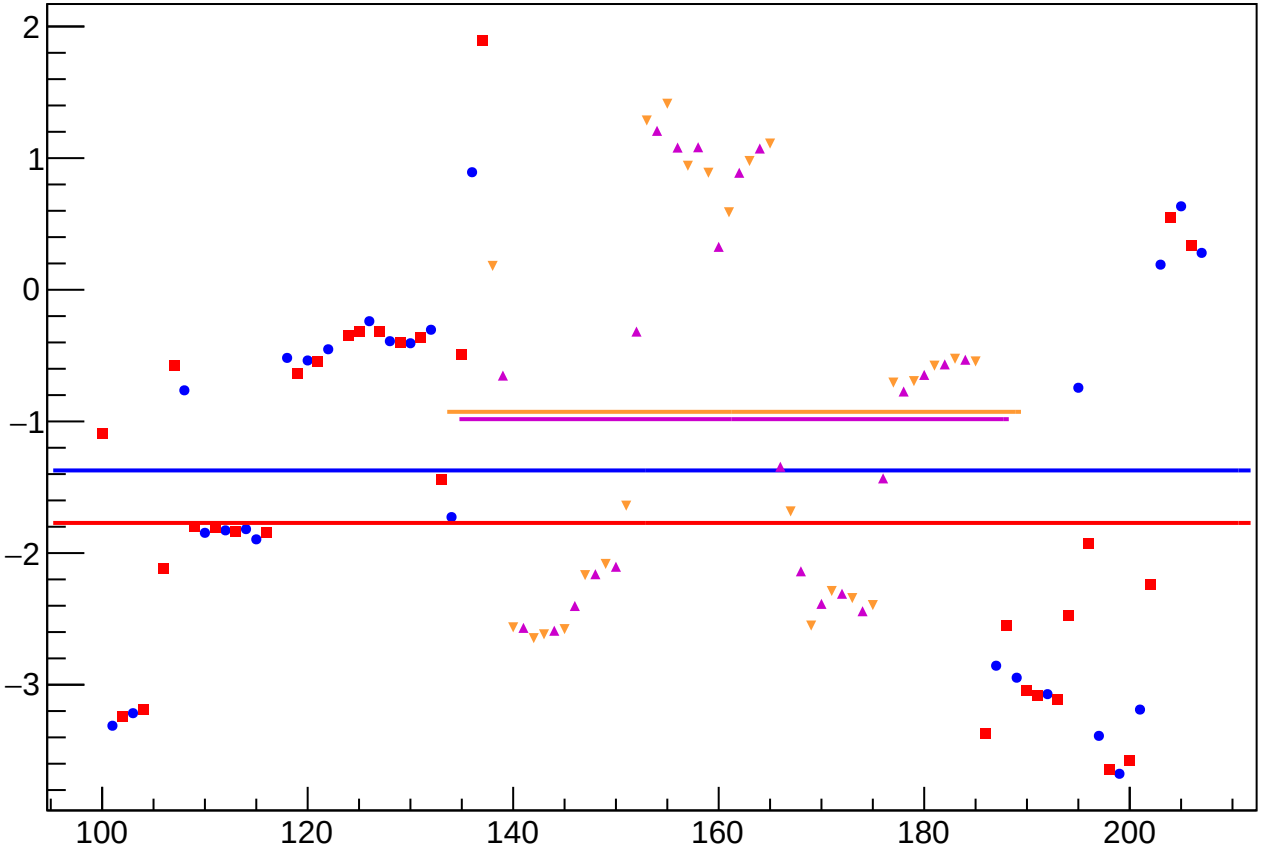
Right: 0.004+/-0.000 χ^2/NDF: 2010139.1/56

In: 0.003+/-0.000 χ^2/NDF:1614181.3/48

Out: 0.003+/-0.000 χ^2/NDF:2166302.3/55

All: 0.003+/-0.000 χ^2/NDF: 3780501.9/104

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.372+/-0.000 χ^2/NDF: 6280749533.1/25

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

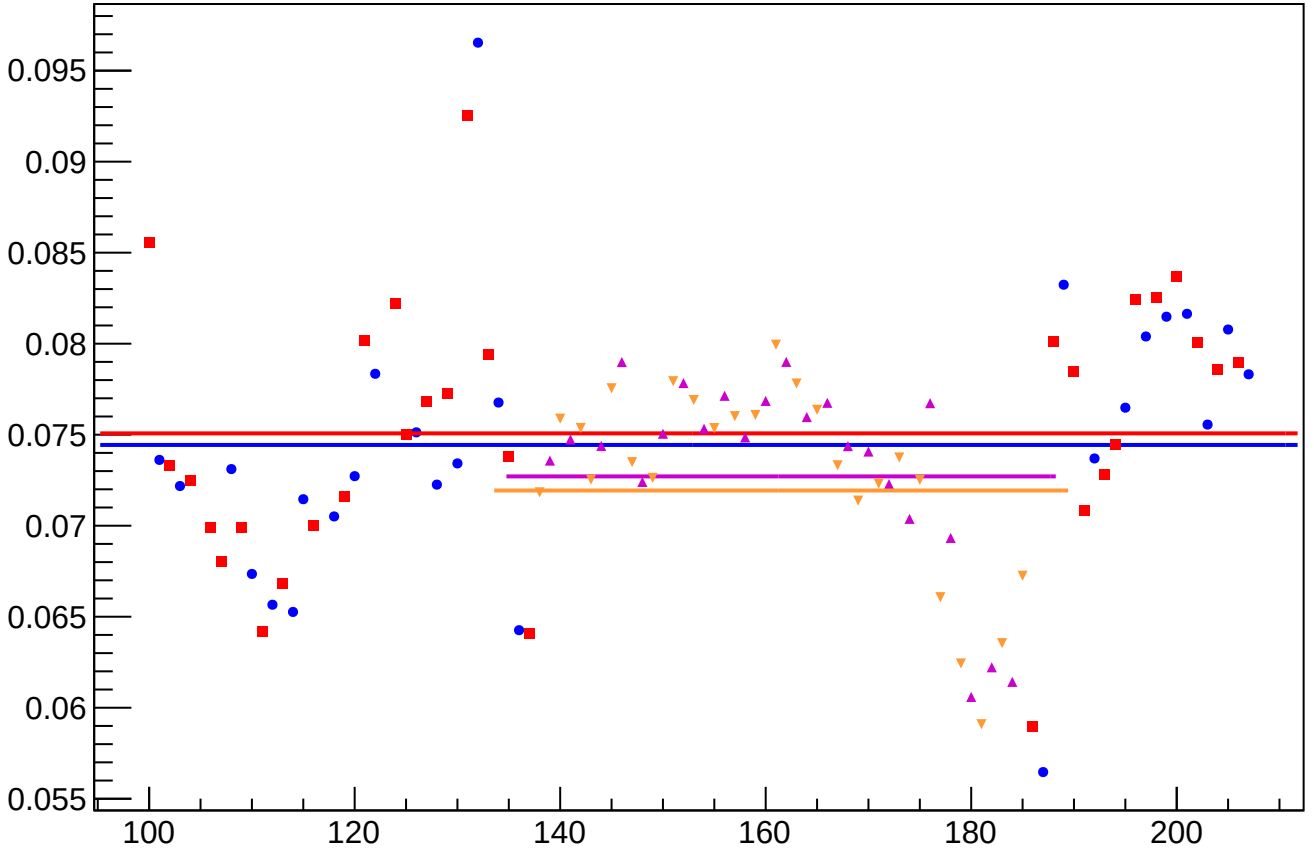
Right: -1.580+/-0.000 χ^2/NDF: 11875476530.4/56

In: -1.153+/-0.000 χ^2/NDF:12424412607.3/48

Out: -1.297+/-0.000 χ^2/NDF:13769450289.6/55

All: -1.228+/-0.000 χ^2/NDF: 26258506341.6/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.074+/-0.000 χ^2/NDF: 222174.2/25

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

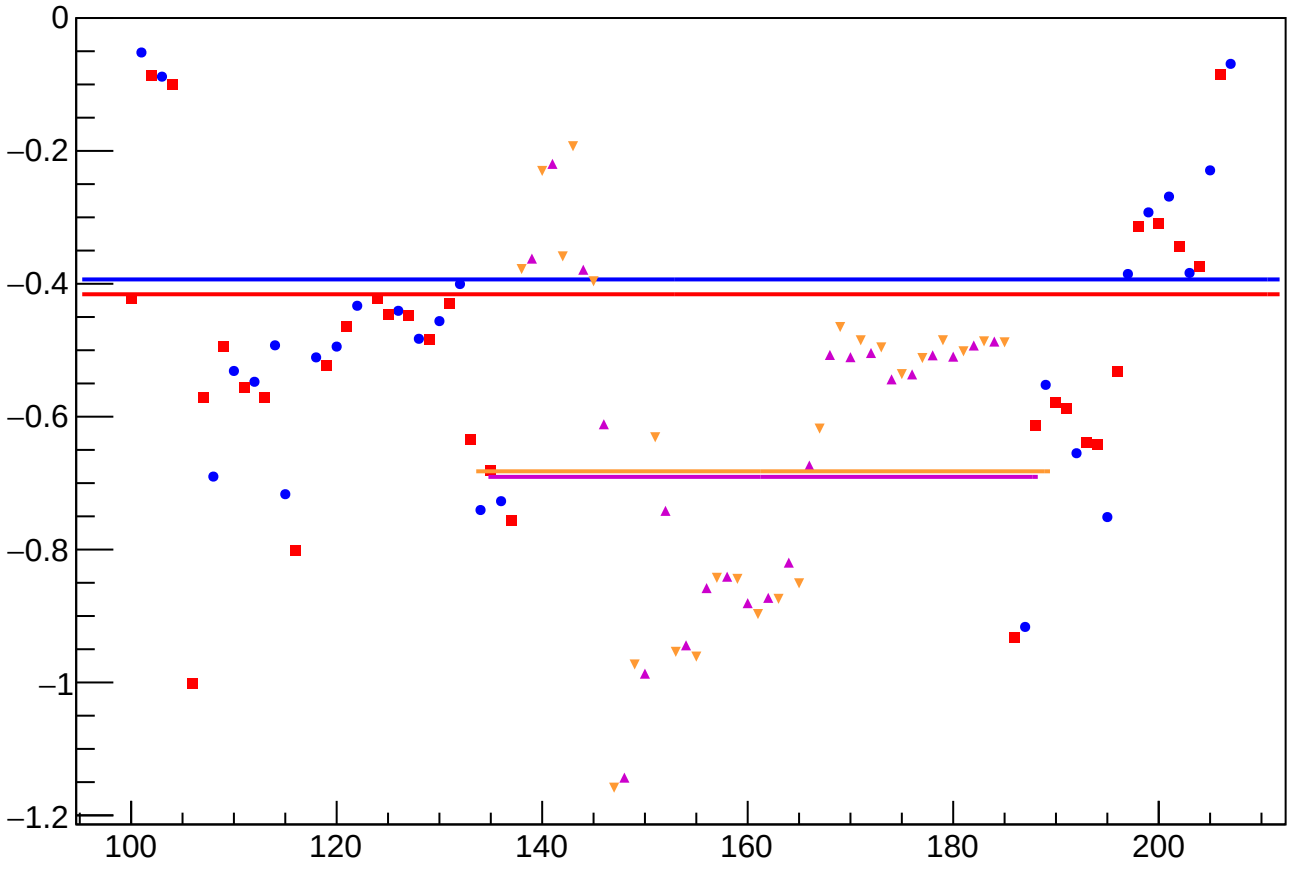
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.075+/-0.000 χ^2/NDF: 467194.5/56

In: 0.073+/-0.000 χ^2/NDF:428024.4/48

Out: 0.073+/-0.000 χ^2/NDF:511086.4/55

All: 0.073+/-0.000 χ^2/NDF: 939261.5/104



Right In: -0.393+/-0.000 χ^2/NDF: 10446079459.2/25

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

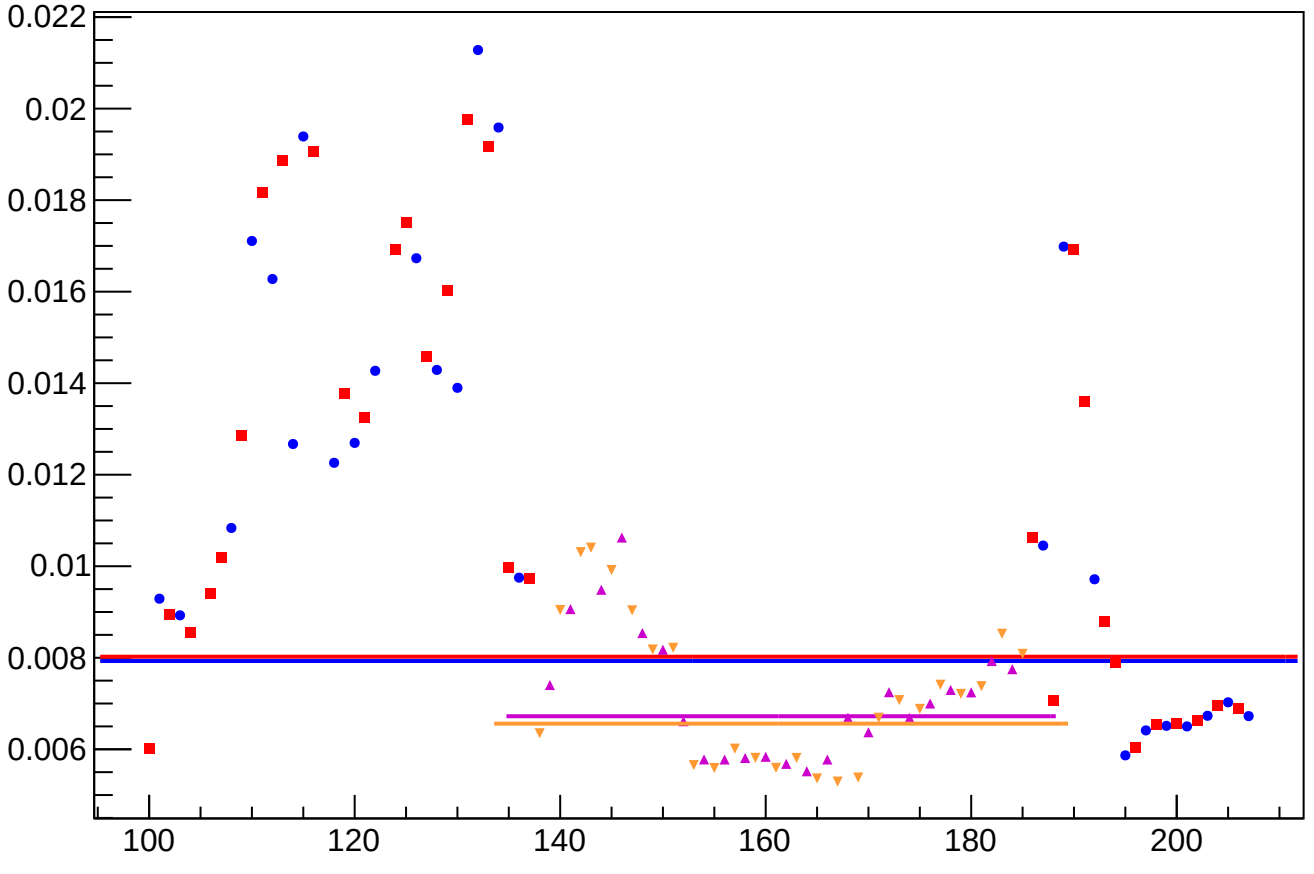
Right: -0.405+/-0.000 χ^2/NDF: 19462498916.1/56

In: -0.587+/-0.000 χ^2/NDF:38672094596.7/48

Out: -0.592+/-0.000 χ^2/NDF:40594018795.5/55

All: -0.590+/-0.000 χ^2/NDF: 79273341657.8/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2944913.9/25

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

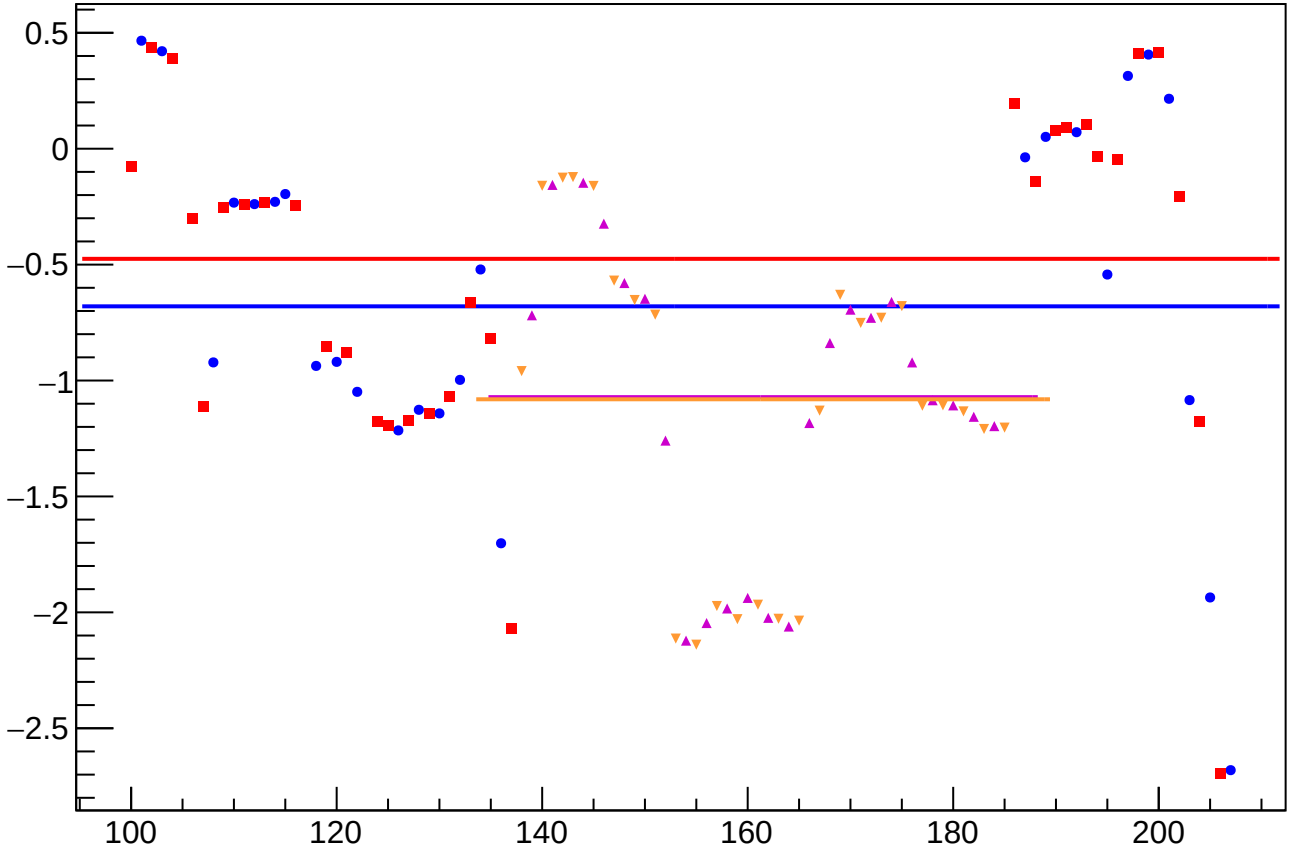
Right: 0.008+/-0.000 χ^2/NDF: 6062837.7/56

In: 0.007+/-0.000 χ^2/NDF:4280330.0/48

Out: 0.007+/-0.000 χ^2/NDF:5111164.4/55

All: 0.007+/-0.000 χ^2/NDF: 9395957.9/104

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.680+/-0.000 χ^2/NDF: 1341325576.3/25

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

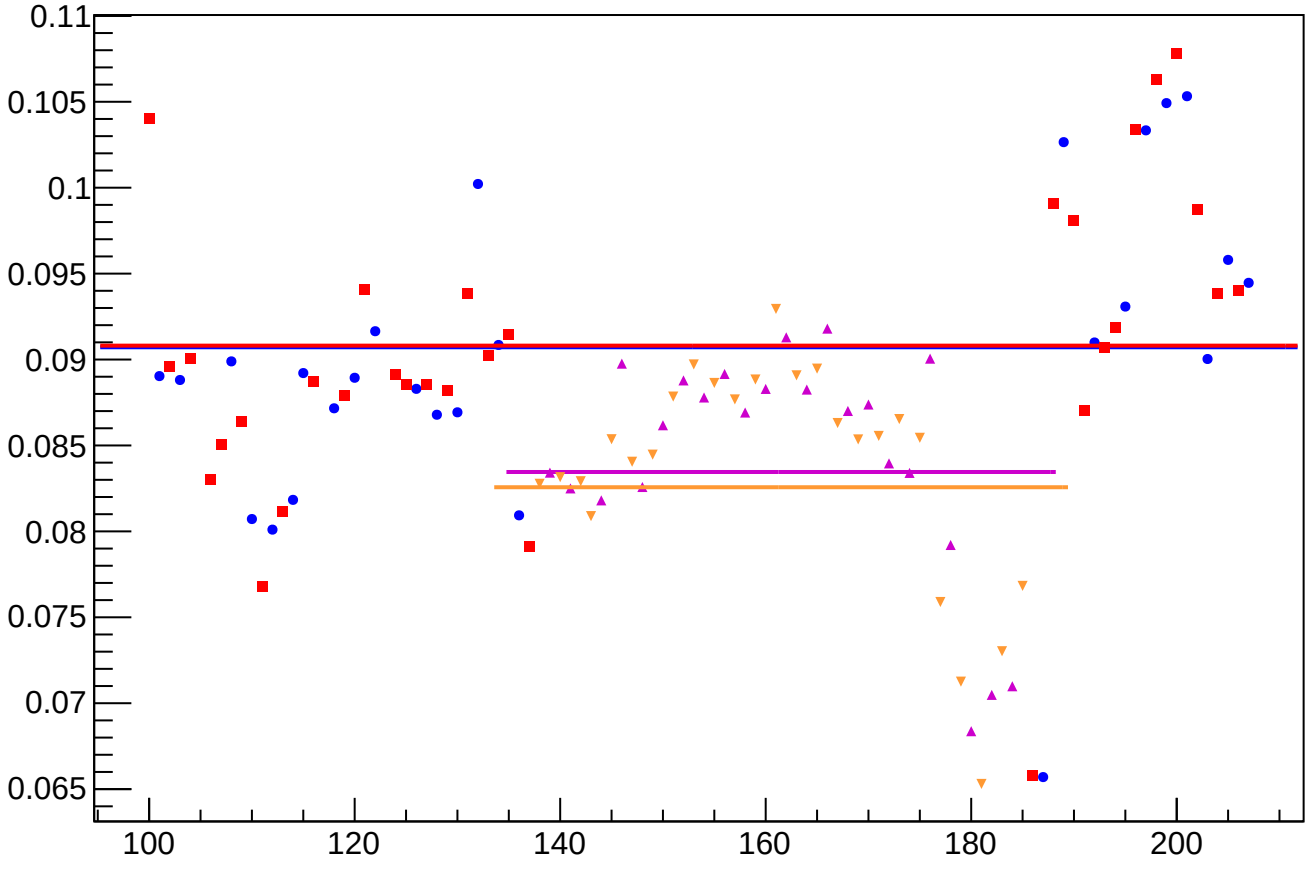
Right: -0.573+/-0.000 χ^2/NDF: 2613277883.4/56

In: -0.912+/-0.000 χ^2/NDF:2479709353.8/48

Out: -0.831+/-0.000 χ^2/NDF:2809485237.9/55

All: -0.870+/-0.000 χ^2/NDF: 5304101233.7/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.091+/-0.000 χ^2/NDF: 237693.3/25

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

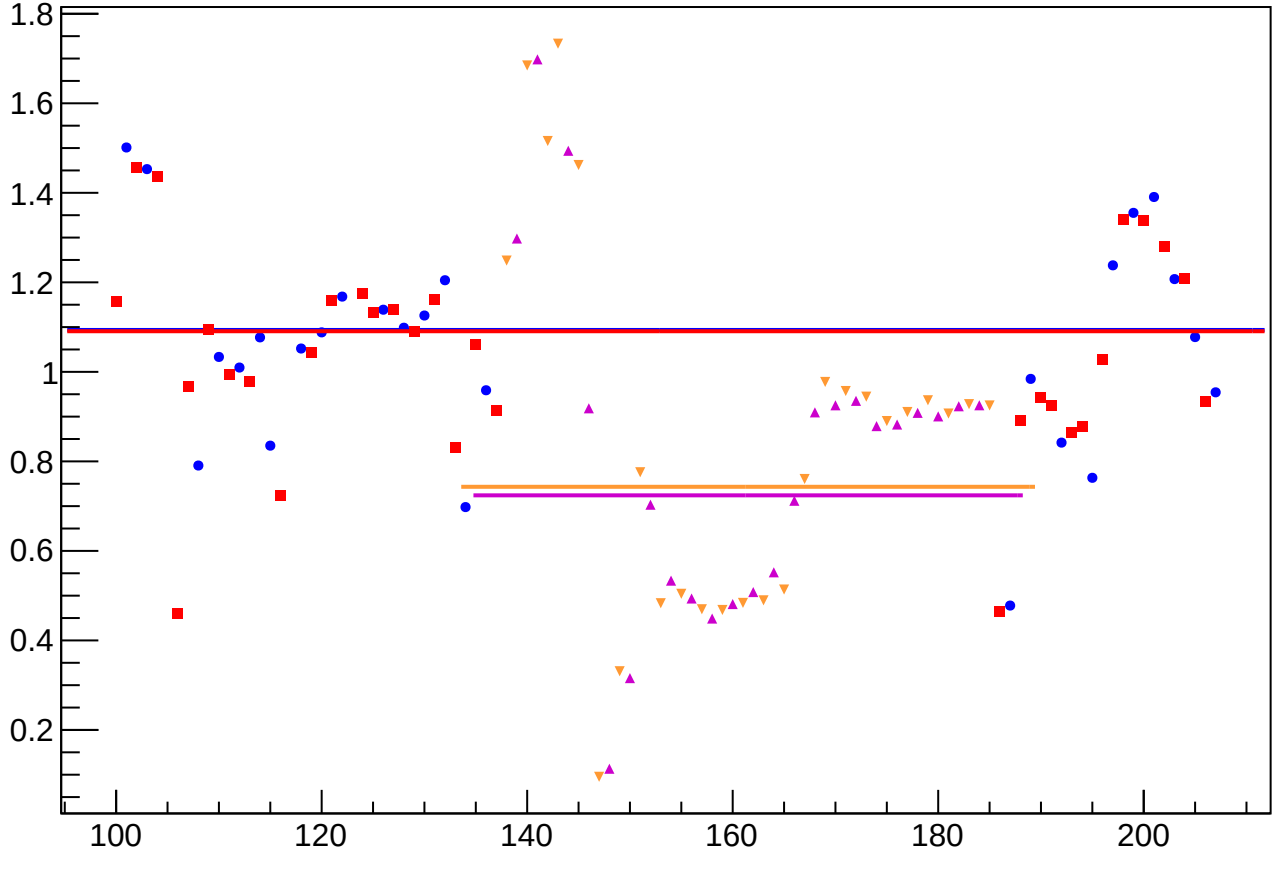
Right: 0.091+/-0.000 χ^2/NDF: 565252.6/56

In: 0.086+/-0.000 χ^2/NDF:587929.8/48

Out: 0.086+/-0.000 χ^2/NDF:775790.7/55

All: 0.086+/-0.000 χ^2/NDF: 1364656.9/104

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.094+/-0.000 χ^2/NDF: 5234868565.0/25

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

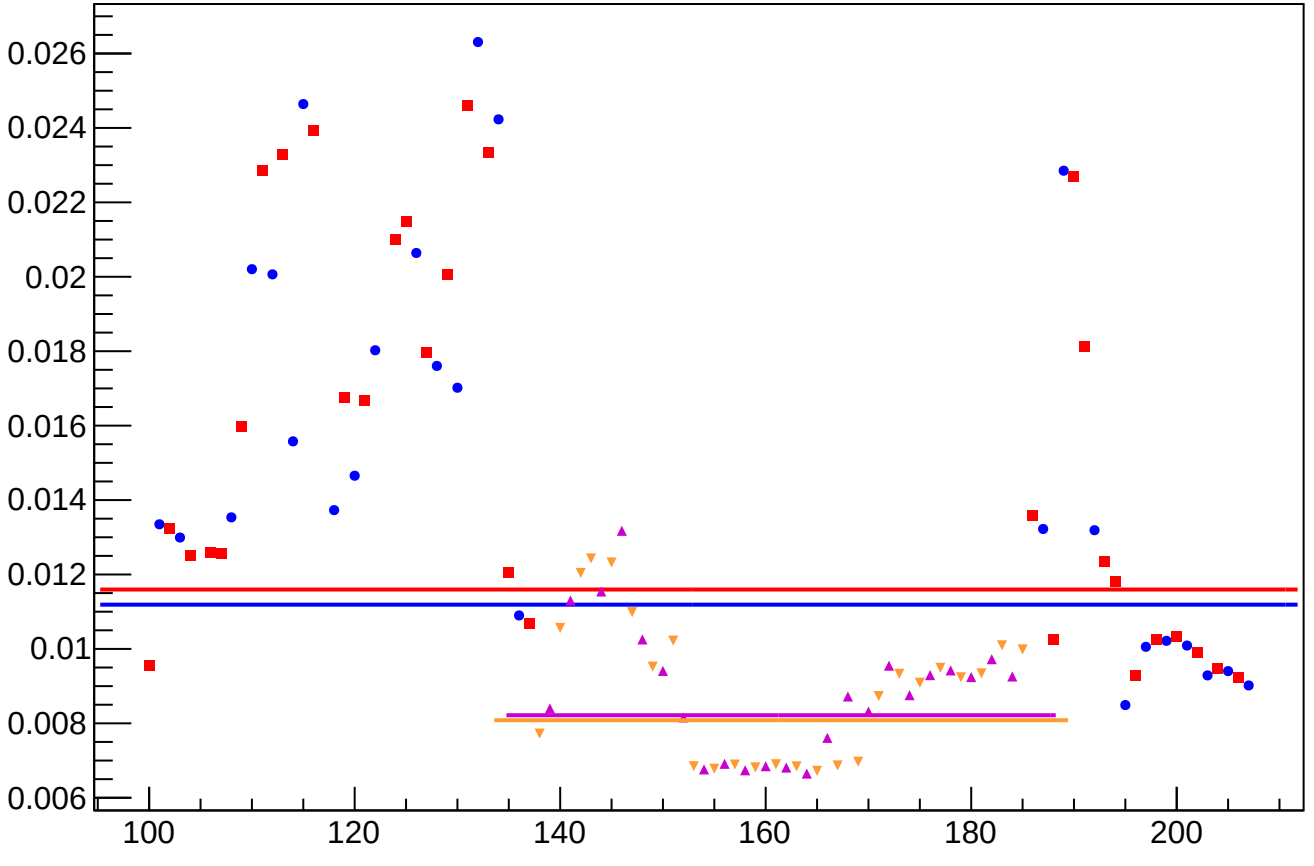
Right: 1.092+/-0.000 χ^2/NDF: 10195789356.9/56

In: 0.832+/-0.000 χ^2/NDF:40764497060.0/48

Out: 0.839+/-0.000 χ^2/NDF:46590046927.7/55

All: 0.836+/-0.000 χ^2/NDF: 87363691904.9/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 2109209.4/25

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

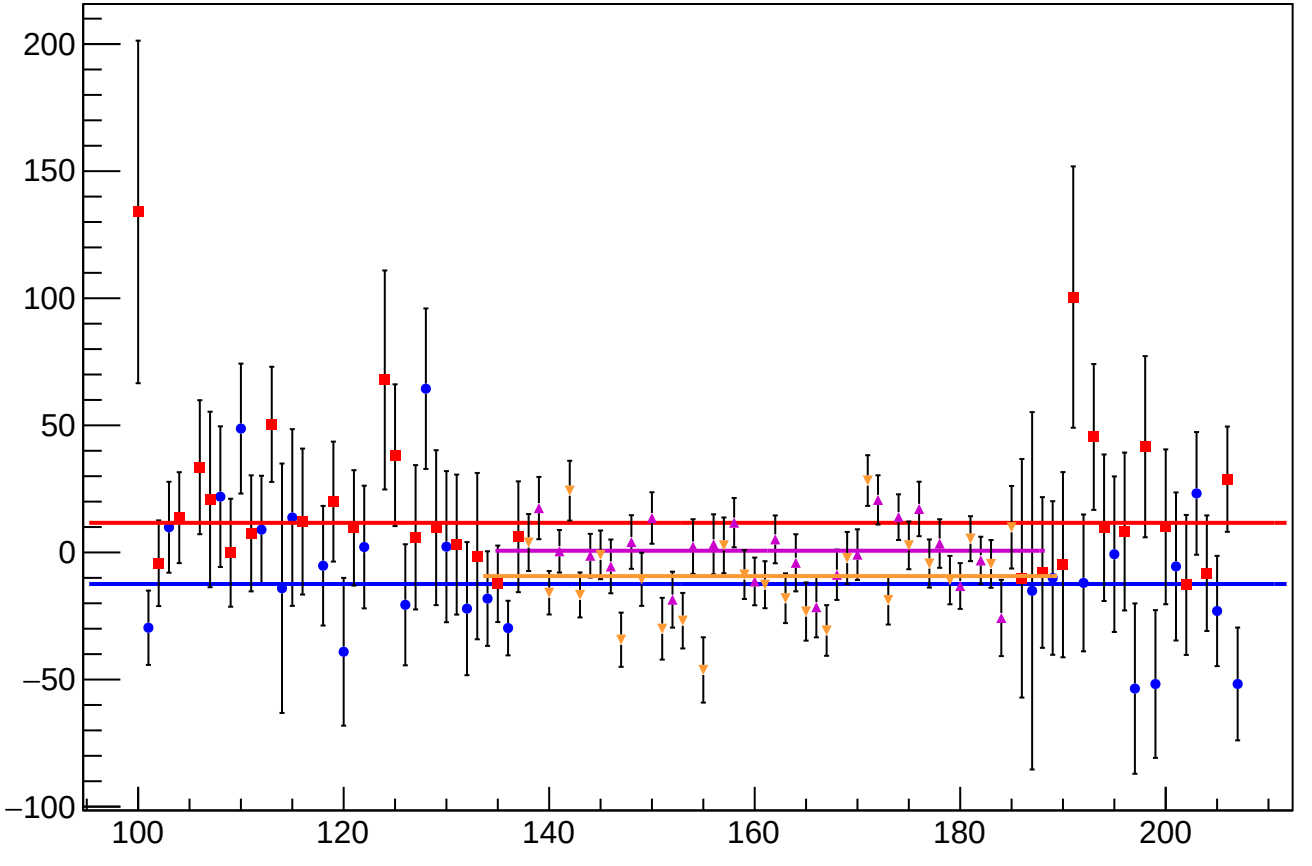
Right: 0.011+/-0.000 χ^2/NDF: 4348615.7/56

In: 0.009+/-0.000 χ^2/NDF:4514289.1/48

Out: 0.009+/-0.000 χ^2/NDF:5476912.5/55

All: 0.009+/-0.000 χ^2/NDF: 9991578.9/104

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -12.412+/-4.536 χ^2/NDF: 31.3/25

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

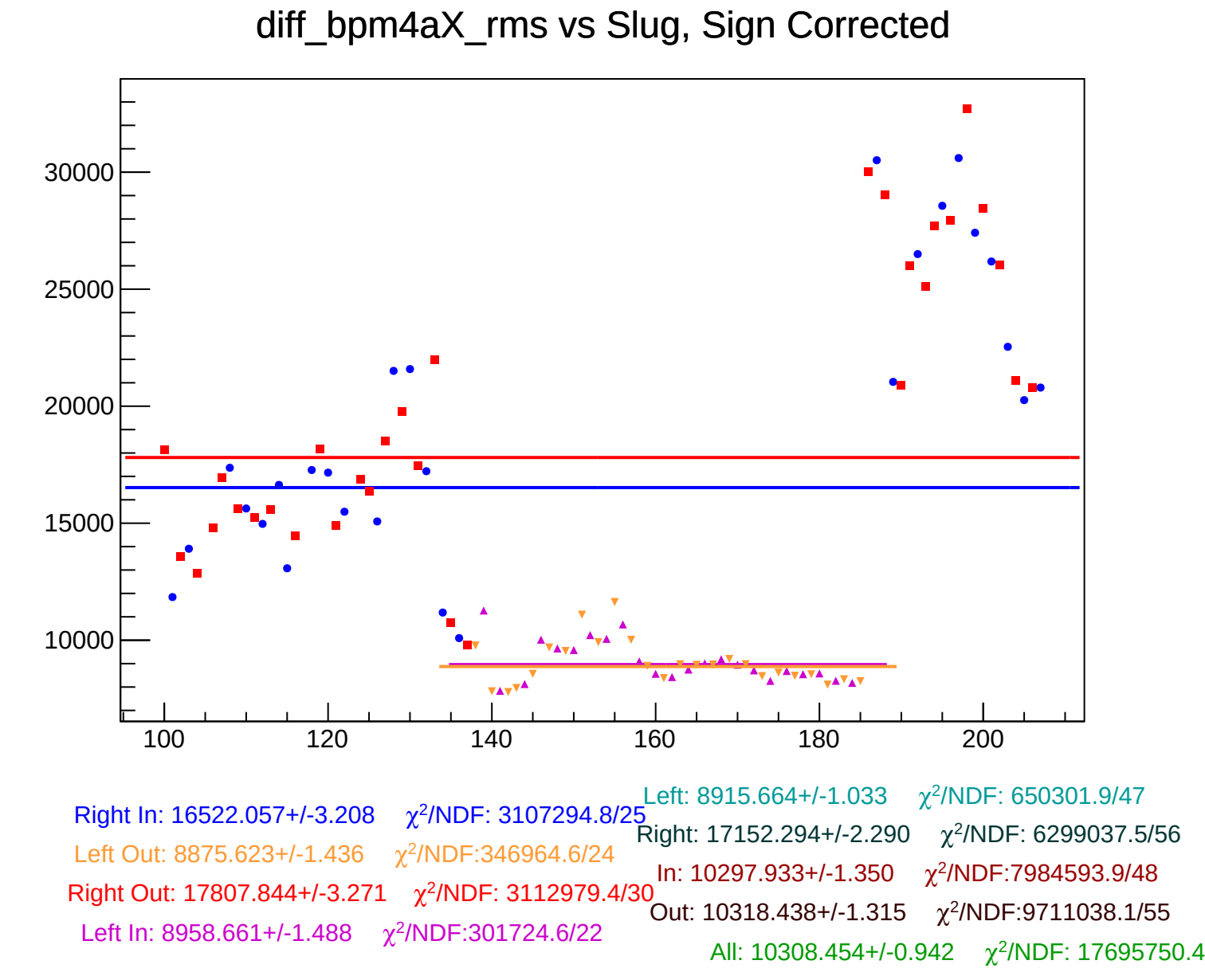
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -0.618+/-3.239 χ^2/NDF: 67.2/56

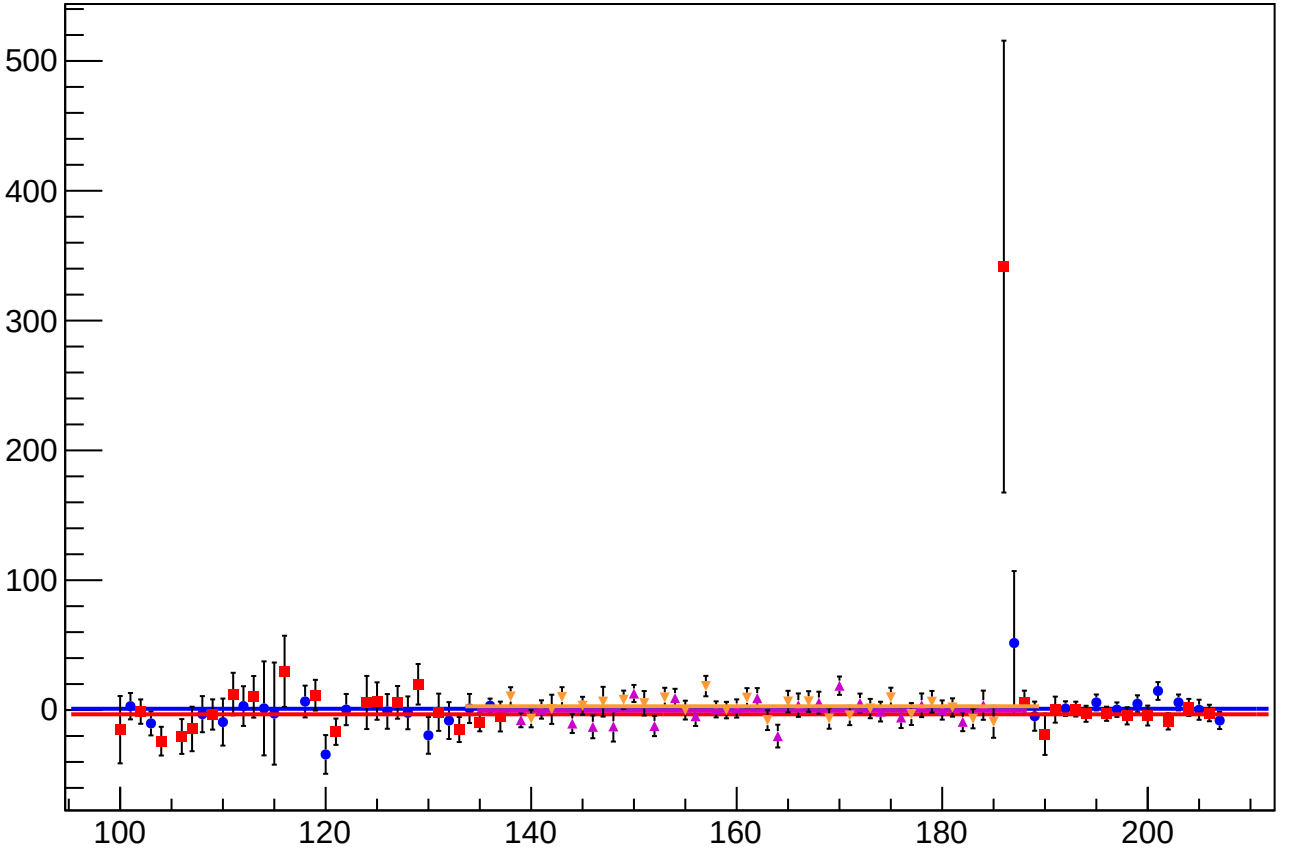
In: -1.641+/-1.909 χ^2/NDF:67.6/48

Out: -5.909+/-1.859 χ^2/NDF:100.4/55

All: -3.831+/-1.332 χ^2/NDF: 170.5/104


diff_bpm4aX_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 16522.057+/-3.208 χ²/NDF: 3107294.8/25
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: 17152.294+/-2.290 χ²/NDF: 6299037.5/56
In: 10297.933+/-1.350 χ²/NDF:7984593.9/48
Out: 10318.438+/-1.315 χ²/NDF:9711038.1/55
All: 10308.454+/-0.942 χ²/NDF: 17695750.4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.962+/-1.749 χ^2/NDF: 19.2/25

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

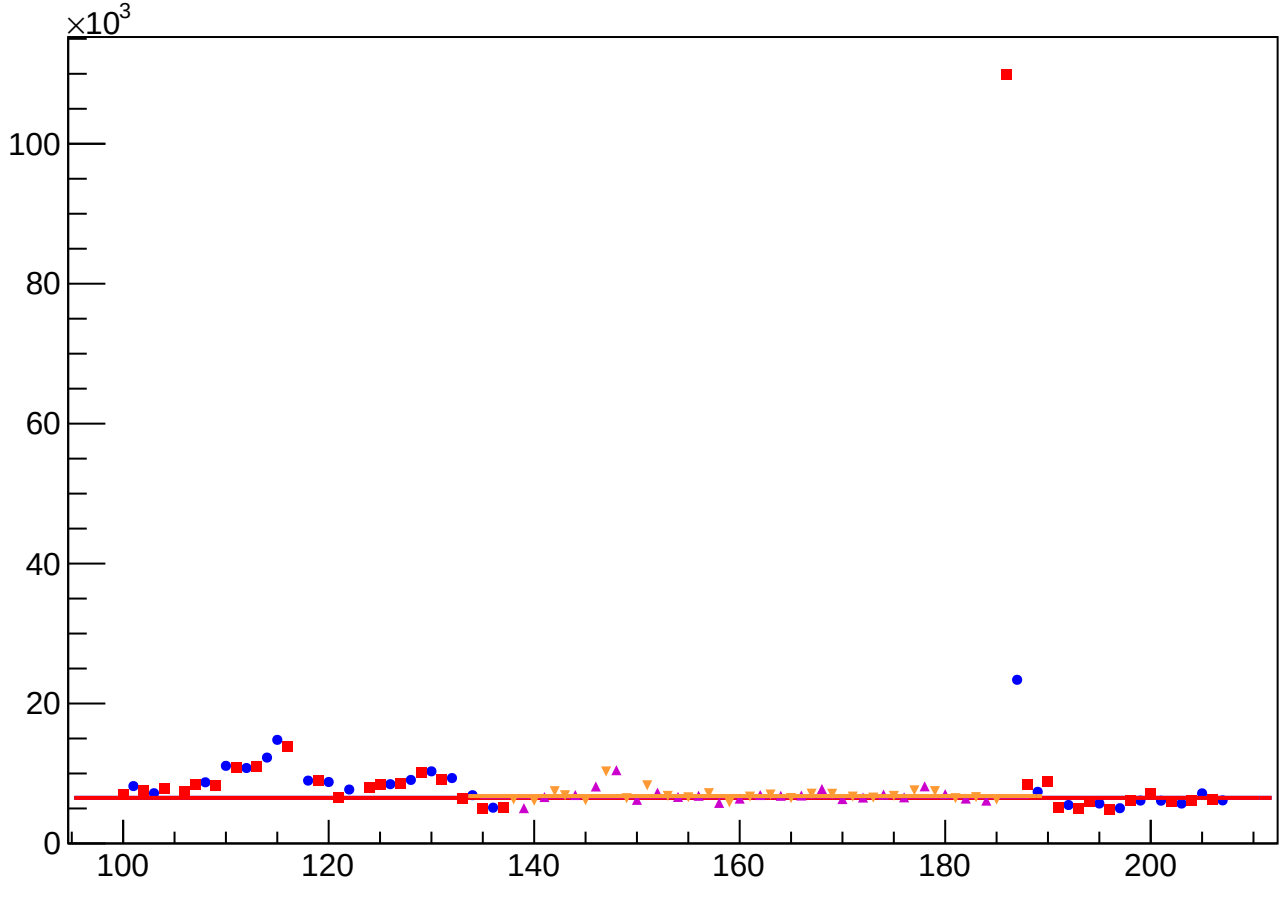
Right: -1.249+/-1.213 χ^2/NDF: 48.0/56

In: 0.182+/-1.173 χ^2/NDF:52.3/48

Out: 0.038+/-1.142 χ^2/NDF:52.5/55

All: 0.108+/-0.818 χ^2/NDF: 104.8/104

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6521.628+/-1.237 χ^2/NDF: 1676521.6/25

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

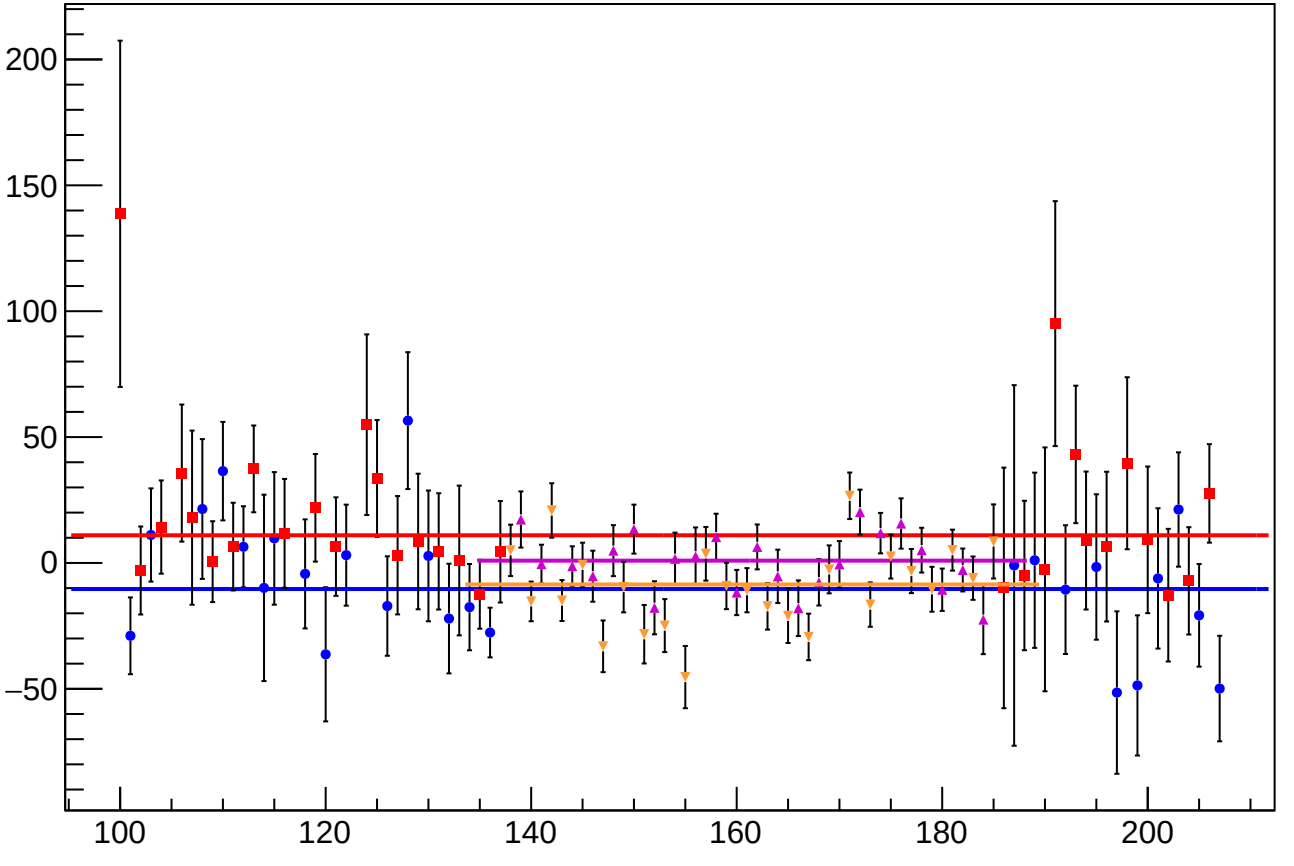
Right: 6516.606+/-0.858 χ^2/NDF: 4010653.8/56

In: 6614.003+/-0.829 χ^2/NDF:2306943.3/48

Out: 6654.958+/-0.807 χ^2/NDF:2760981.4/55

All: 6635.031+/-0.579 χ^2/NDF: 5069176.5/10

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -10.355+/-4.143 χ^2/NDF: 32.5/25

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

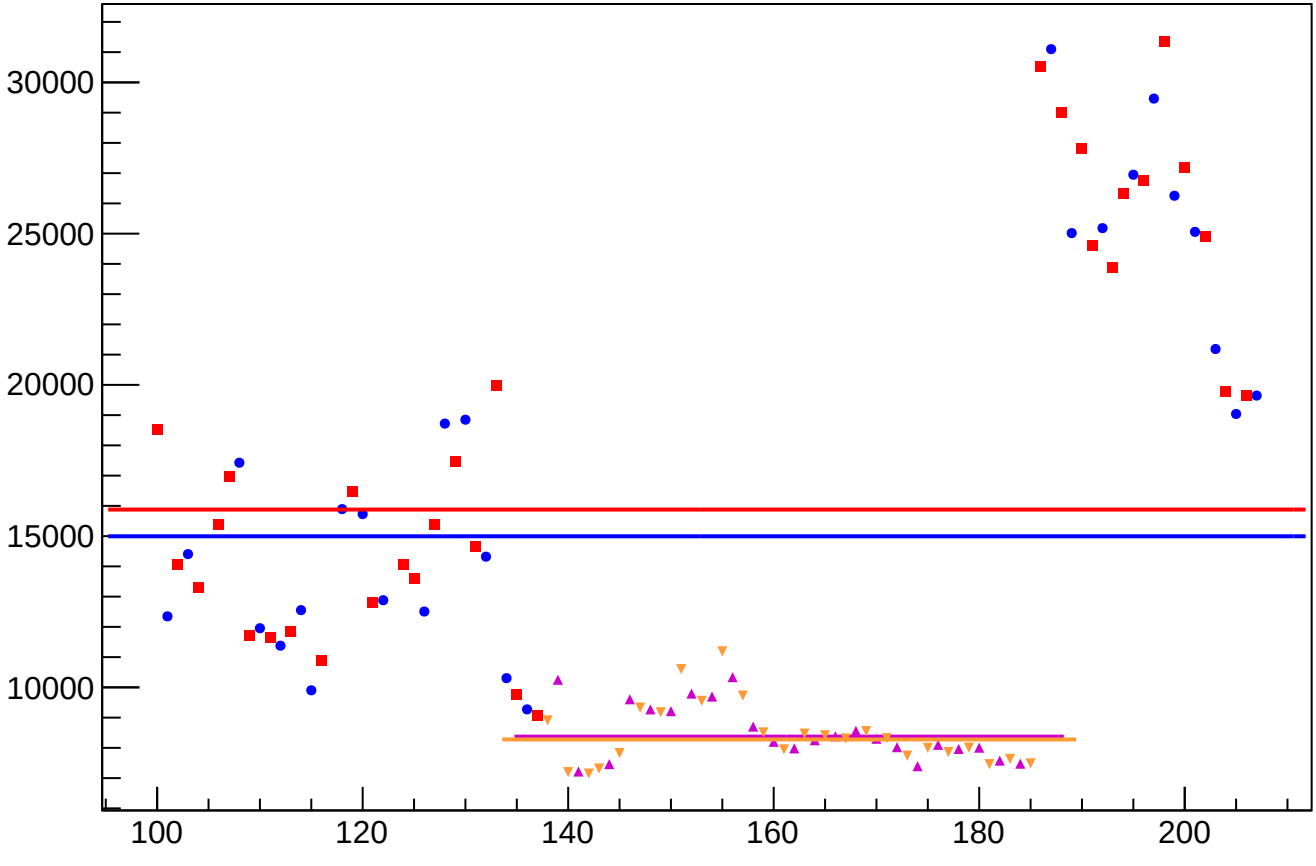
Right: 0.223+/-2.943 χ^2/NDF: 67.5/56

In: -1.158+/-1.778 χ^2/NDF:67.6/48

Out: -5.203+/-1.727 χ^2/NDF:101.9/55

All: -3.239+/-1.239 χ^2/NDF: 172.2/104

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 14995.093+/-2.929 χ^2/NDF: 3517729.9/25

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

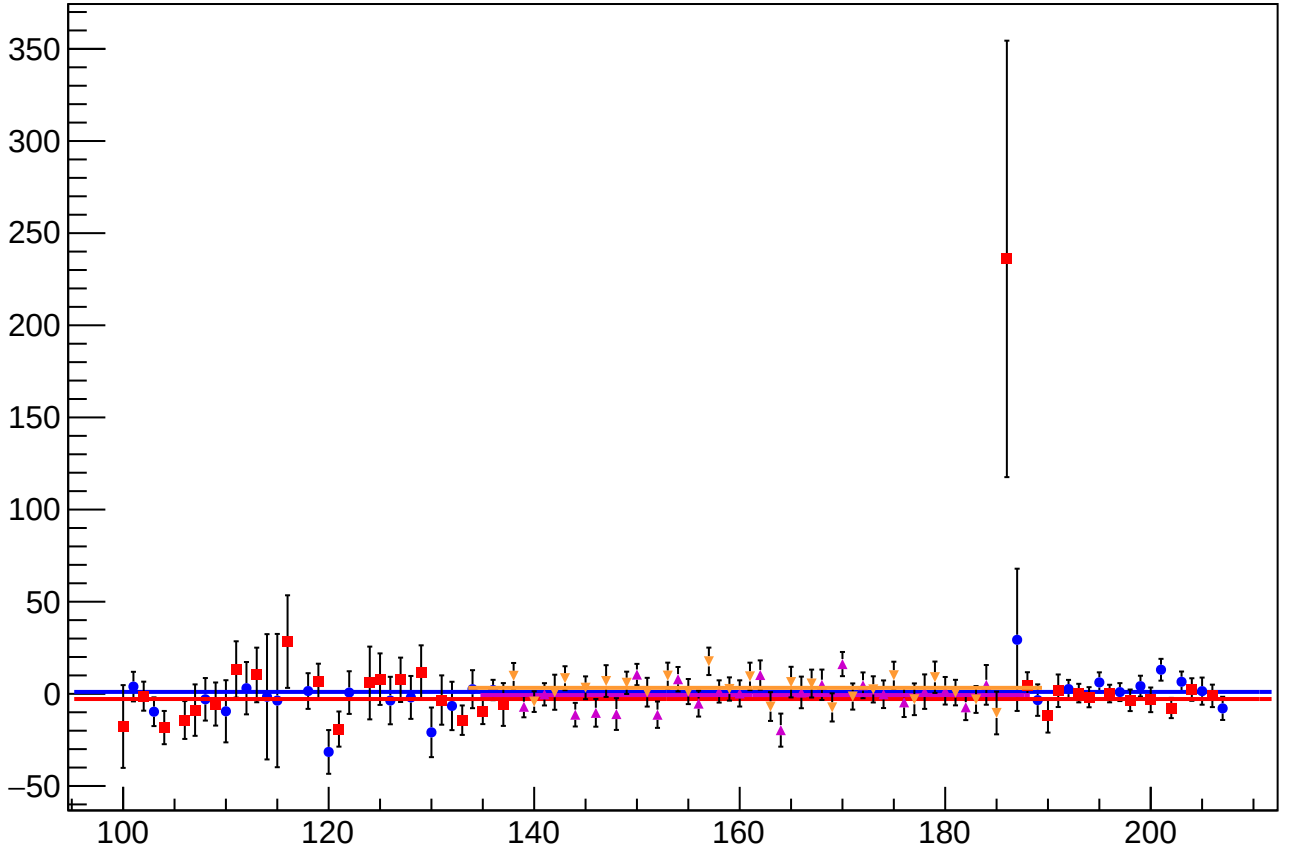
Right: 15432.564+/-2.081 χ^2/NDF: 7435861.8/56

In: 9592.618+/-1.257 χ^2/NDF:8079943.6/48

Out: 9574.986+/-1.221 χ^2/NDF:9809706.5/55

All: 9583.545+/-0.876 χ^2/NDF: 17889751.3/1

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.049+/-1.565 χ^2/NDF: 22.6/25

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

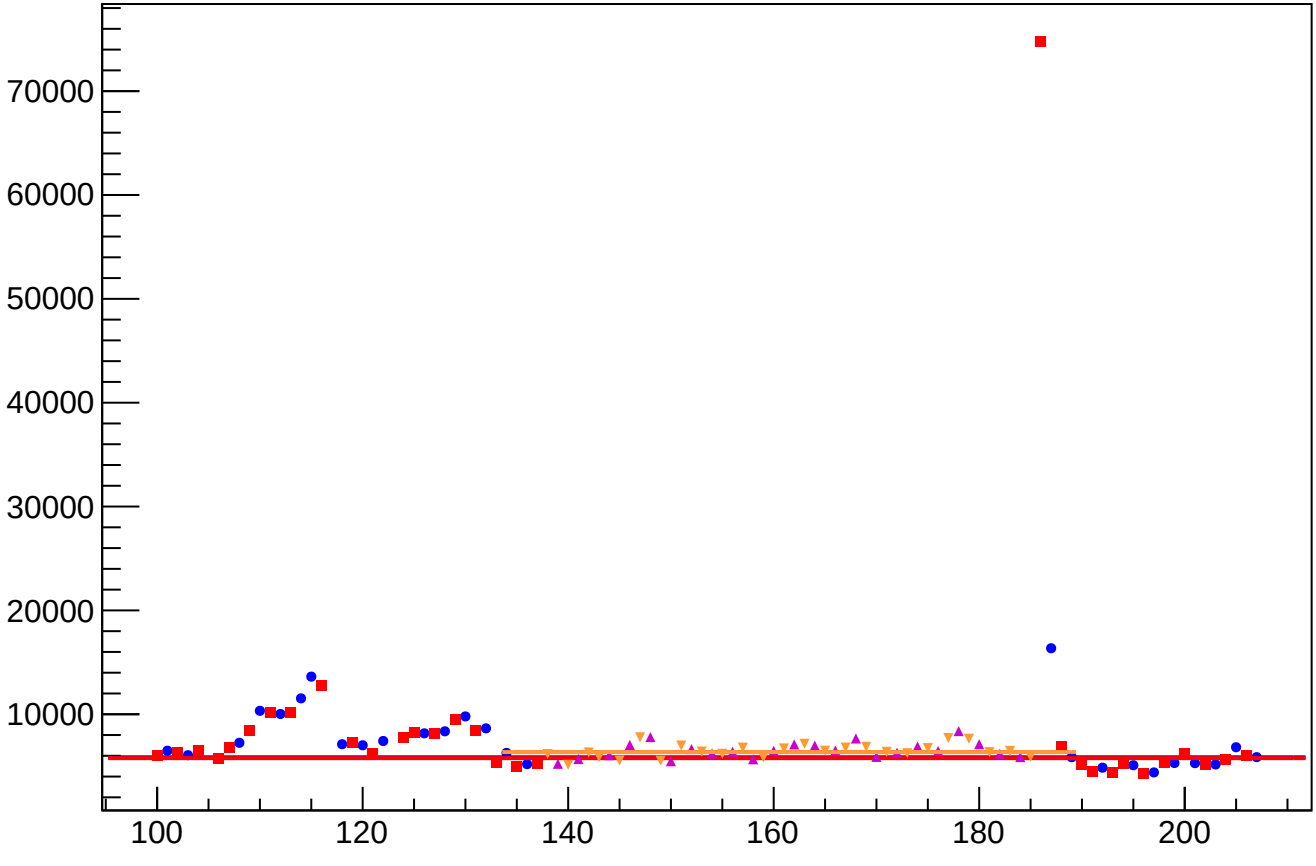
Right: -0.977+/-1.078 χ^2/NDF: 52.3/56

In: 0.166+/-1.083 χ^2/NDF:54.0/48

Out: 0.285+/-1.041 χ^2/NDF:52.6/55

All: 0.228+/-0.750 χ^2/NDF: 106.6/104

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5853.122+/-1.107 χ^2/NDF: 1592907.8/25

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

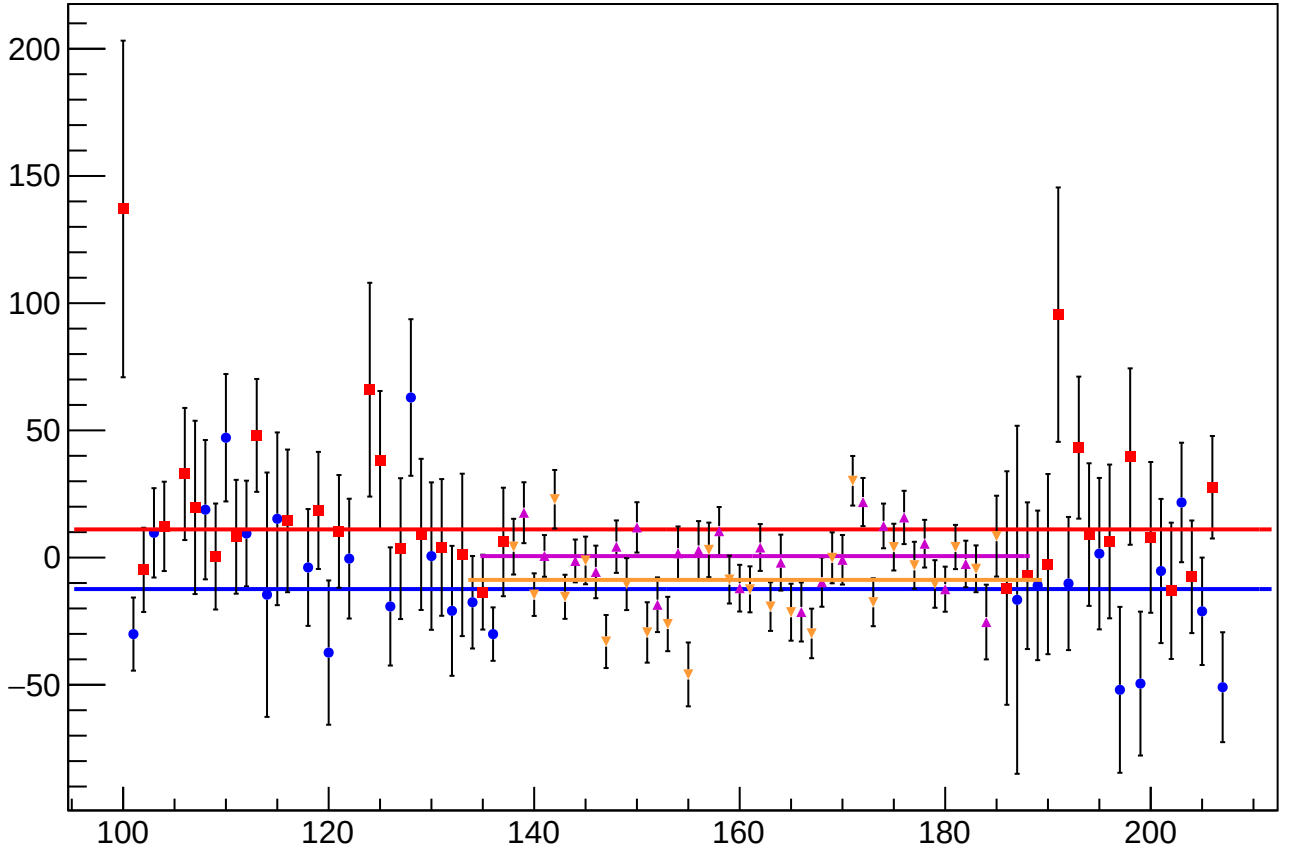
Right: 5811.333+/-0.762 χ^2/NDF: 3893244.4/56

In: 6117.369+/-0.766 χ^2/NDF:2176151.0/48

Out: 6071.531+/-0.736 χ^2/NDF:2869109.6/55

All: 6093.548+/-0.531 χ^2/NDF: 5047124.1/10

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -12.378+/-4.433 χ^2/NDF: 31.2/25

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

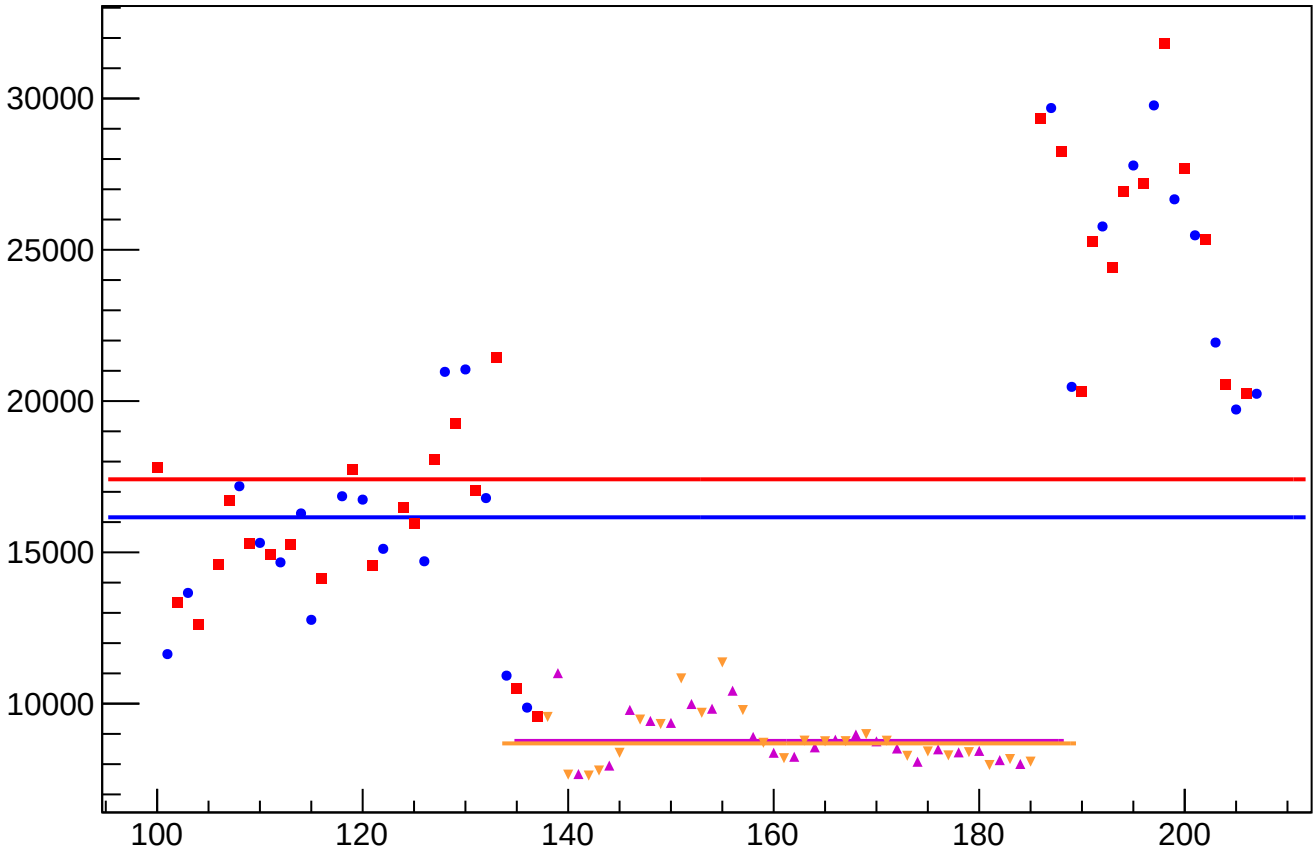
Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

Right: -0.880+/-3.165 χ^2/NDF: 67.2/56

In: -1.721+/-1.867 χ^2/NDF:67.8/48

Out: -5.553+/-1.819 χ^2/NDF:101.1/55

All: -3.687+/-1.303 χ^2/NDF: 171.1/104



Right In: 16158.770+/-3.134 χ^2/NDF: 3064495.6/25

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

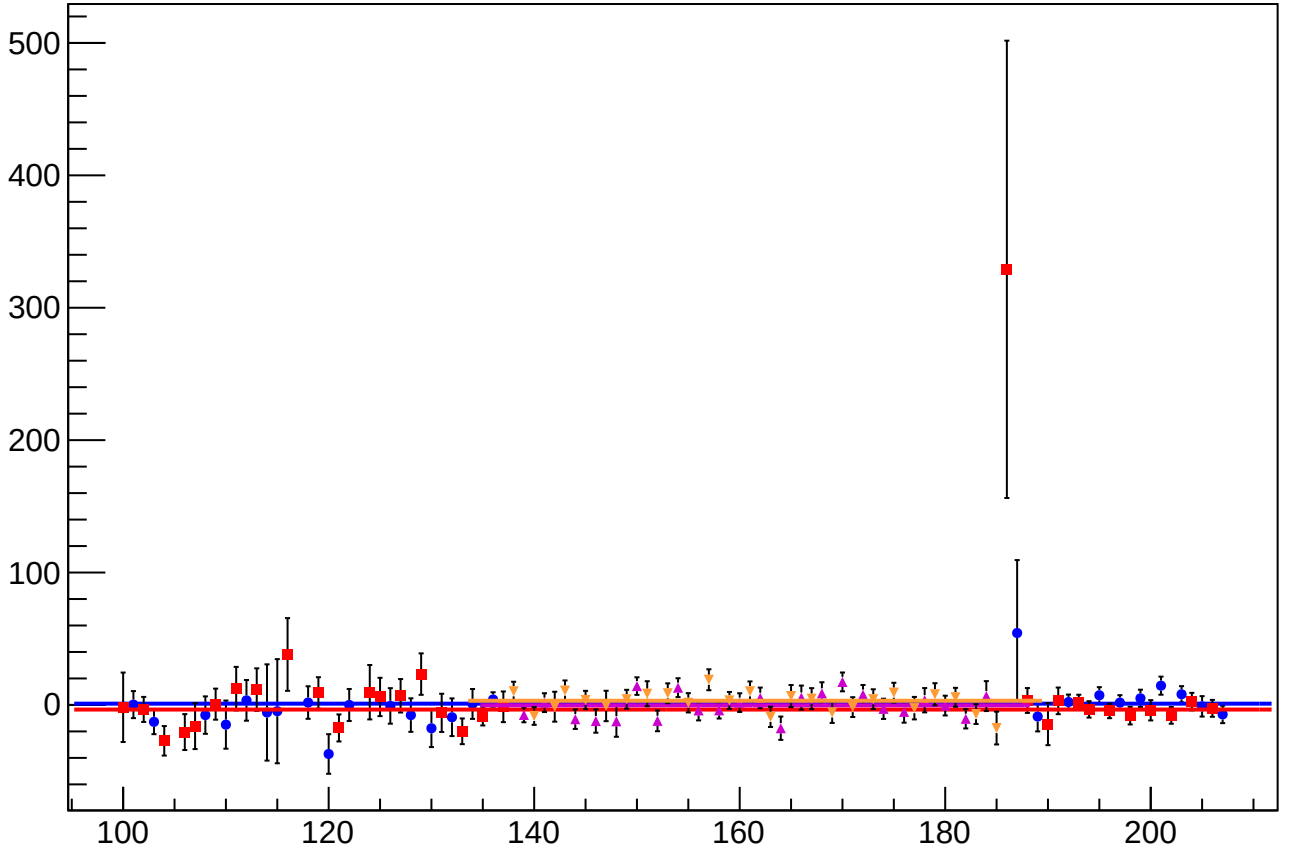
Right: 16774.256+/-2.238 χ^2/NDF: 6207603.7/56

In: 10079.486+/-1.320 χ^2/NDF:7933430.6/48

Out: 10099.362+/-1.286 χ^2/NDF:9654118.9/55

All: 10089.685+/-0.921 χ^2/NDF: 17587665.8/

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.959+/-1.754 χ^2/NDF: 23.0/25

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

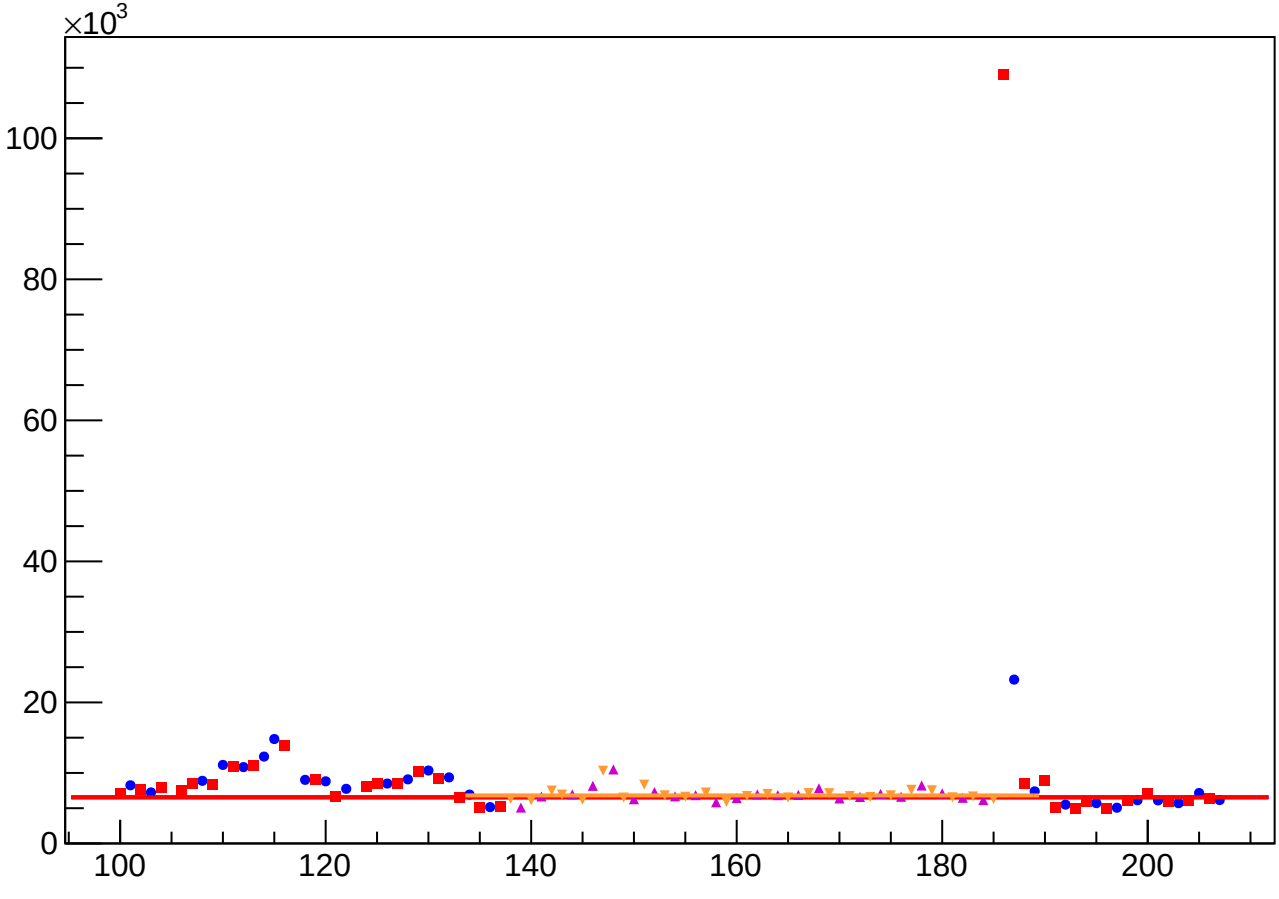
Right: -1.349+/-1.217 χ^2/NDF: 55.9/56

In: 0.285+/-1.178 χ^2/NDF:57.5/48

Out: 0.102+/-1.147 χ^2/NDF:59.6/55

All: 0.191+/-0.822 χ^2/NDF: 117.1/104

diff_bpm4acY_rms vs Slug, Sign Corrected



Right In: 6542.840+/-1.240 χ^2/NDF: 1675042.5/25

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

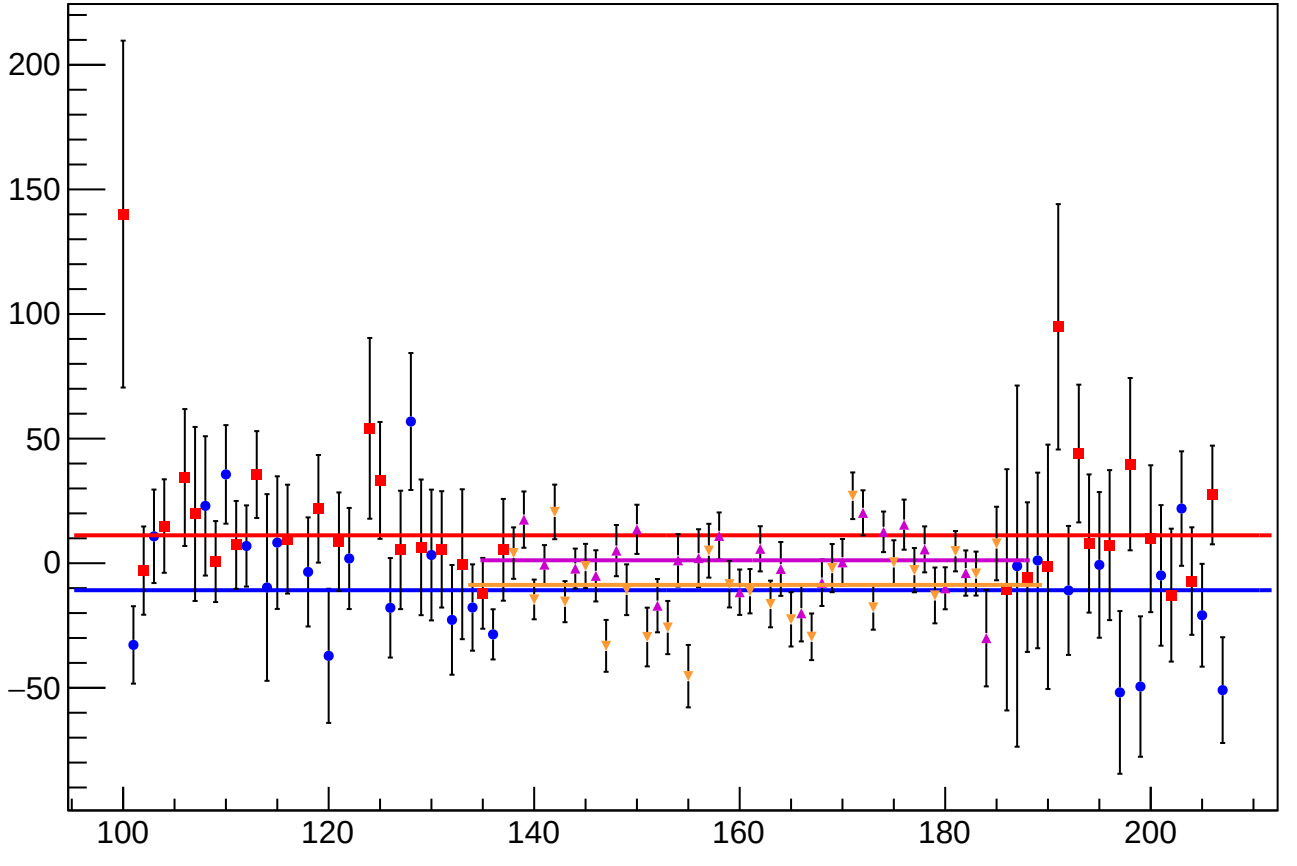
Right: 6539.824+/-0.861 χ^2/NDF: 4004107.1/56

In: 6644.401+/-0.833 χ^2/NDF:2297293.7/48

Out: 6685.835+/-0.811 χ^2/NDF:2752436.0/55

All: 6665.674+/-0.581 χ^2/NDF: 5050999.8/10

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -10.832+/-4.198 χ^2/NDF: 33.1/25

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

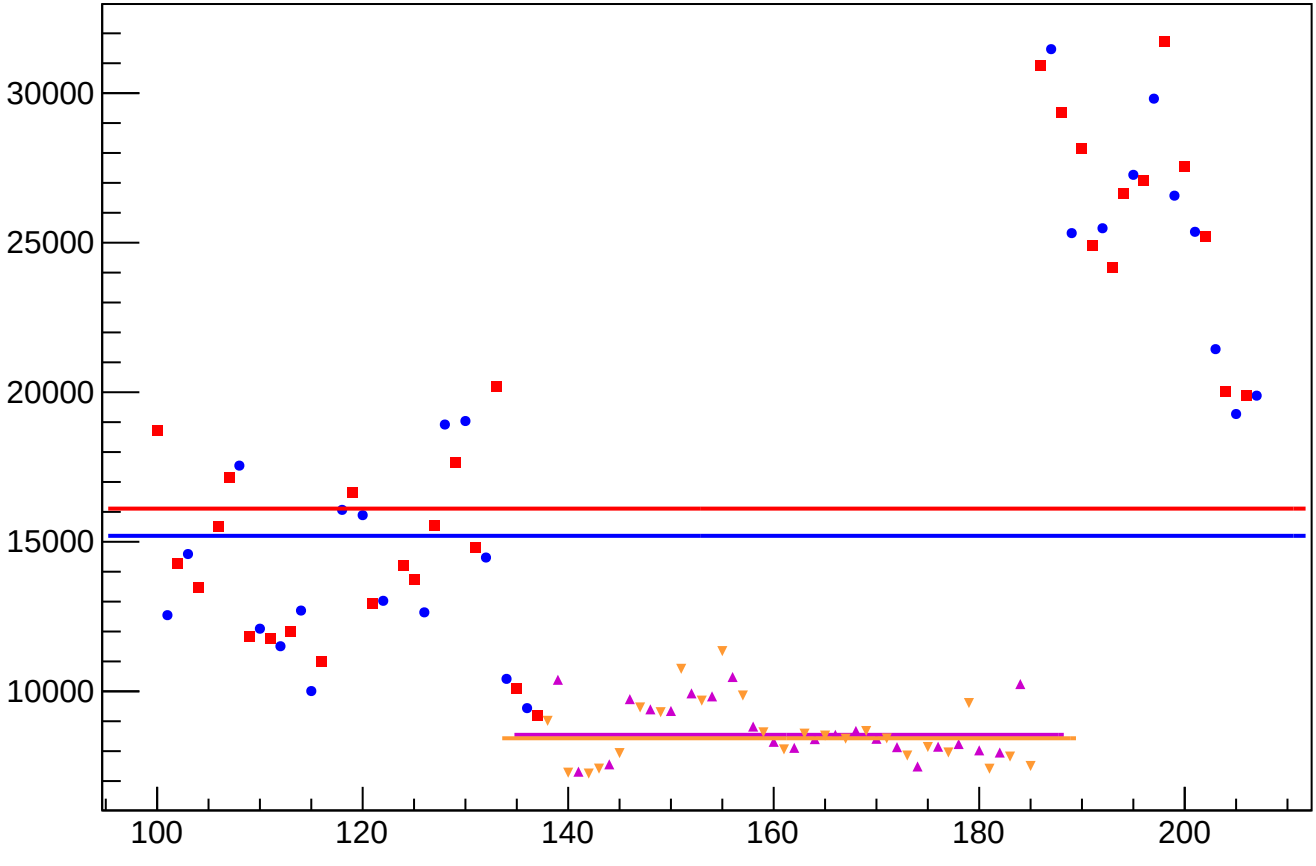
Right: 0.077+/-2.983 χ^2/NDF: 67.5/56

In: -1.069+/-1.815 χ^2/NDF:68.3/48

Out: -5.259+/-1.761 χ^2/NDF:100.4/55

All: -3.227+/-1.264 χ^2/NDF: 171.4/104

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 15199.155+/-2.969 χ^2/NDF: 3492726.6/25

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

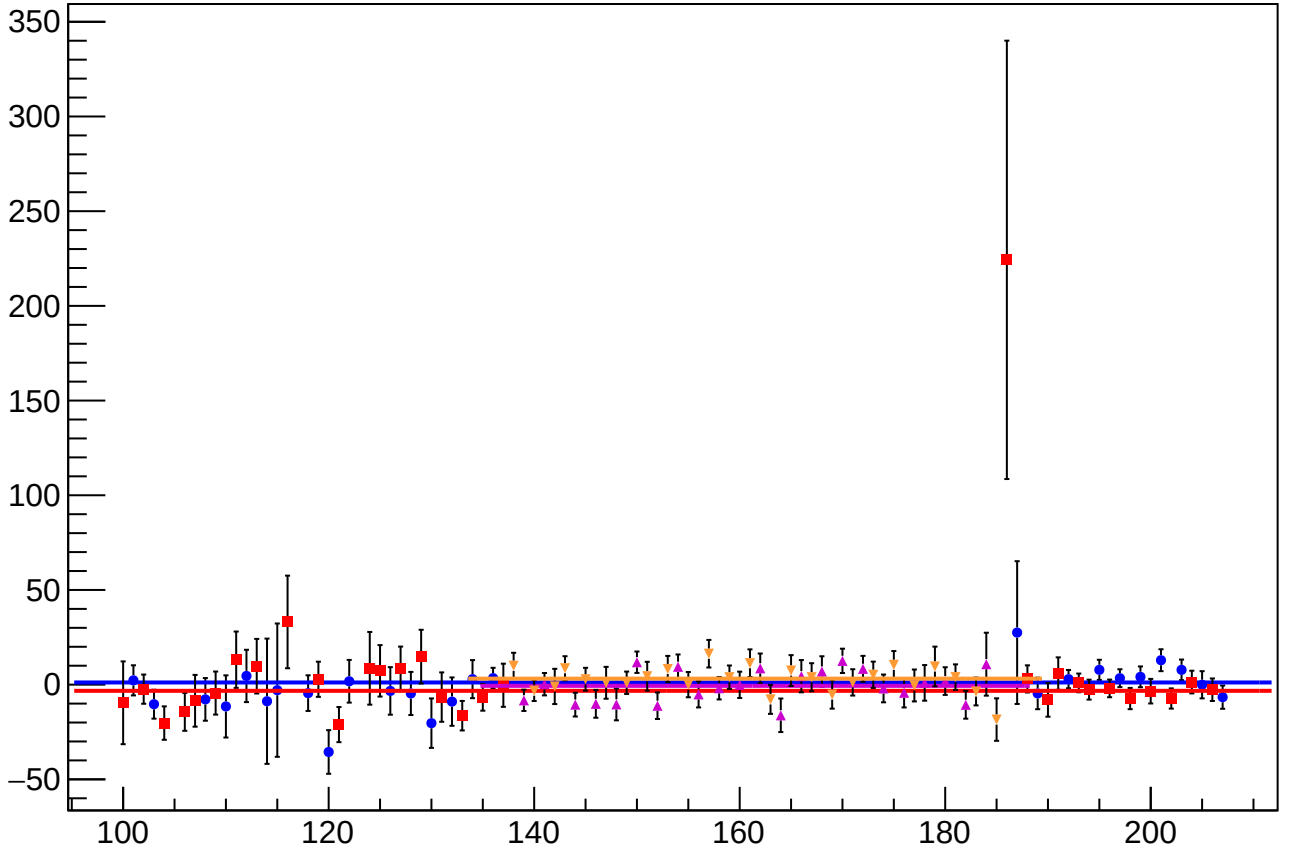
Right: 15649.830+/-2.109 χ^2/NDF: 7369500.3/56

In: 9788.623+/-1.283 χ^2/NDF:7967299.3/48

Out: 9755.848+/-1.245 χ^2/NDF:9743728.1/55

All: 9771.745+/-0.894 χ^2/NDF: 17711363.4/

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.154+/-1.527 χ^2/NDF: 28.6/25

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

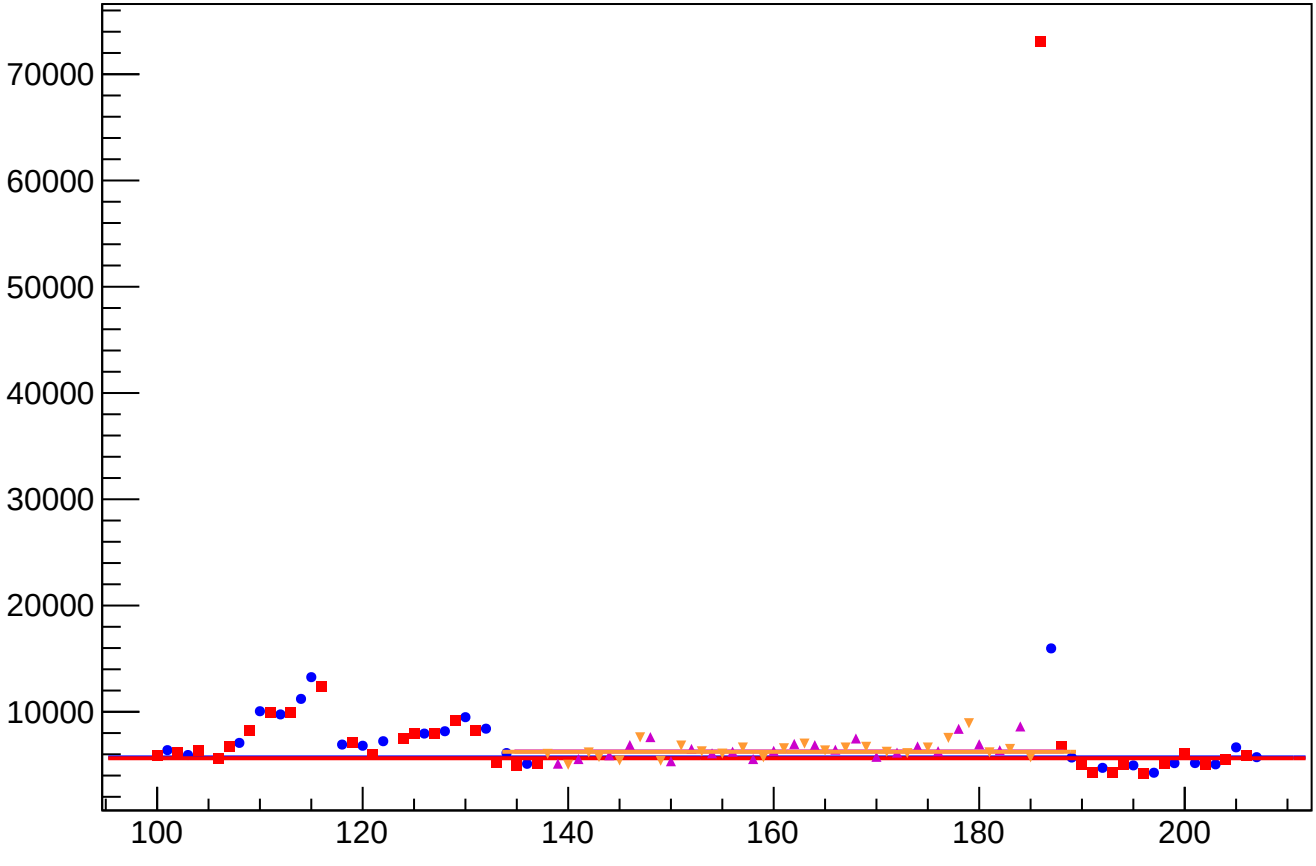
Right: -1.165+/-1.051 χ^2/NDF: 61.9/56

In: 0.234+/-1.063 χ^2/NDF:61.1/48

Out: -0.002+/-1.020 χ^2/NDF:57.6/55

All: 0.111+/-0.736 χ^2/NDF: 118.7/104

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5708.888+/-1.080 χ^2/NDF: 1593408.5/25

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

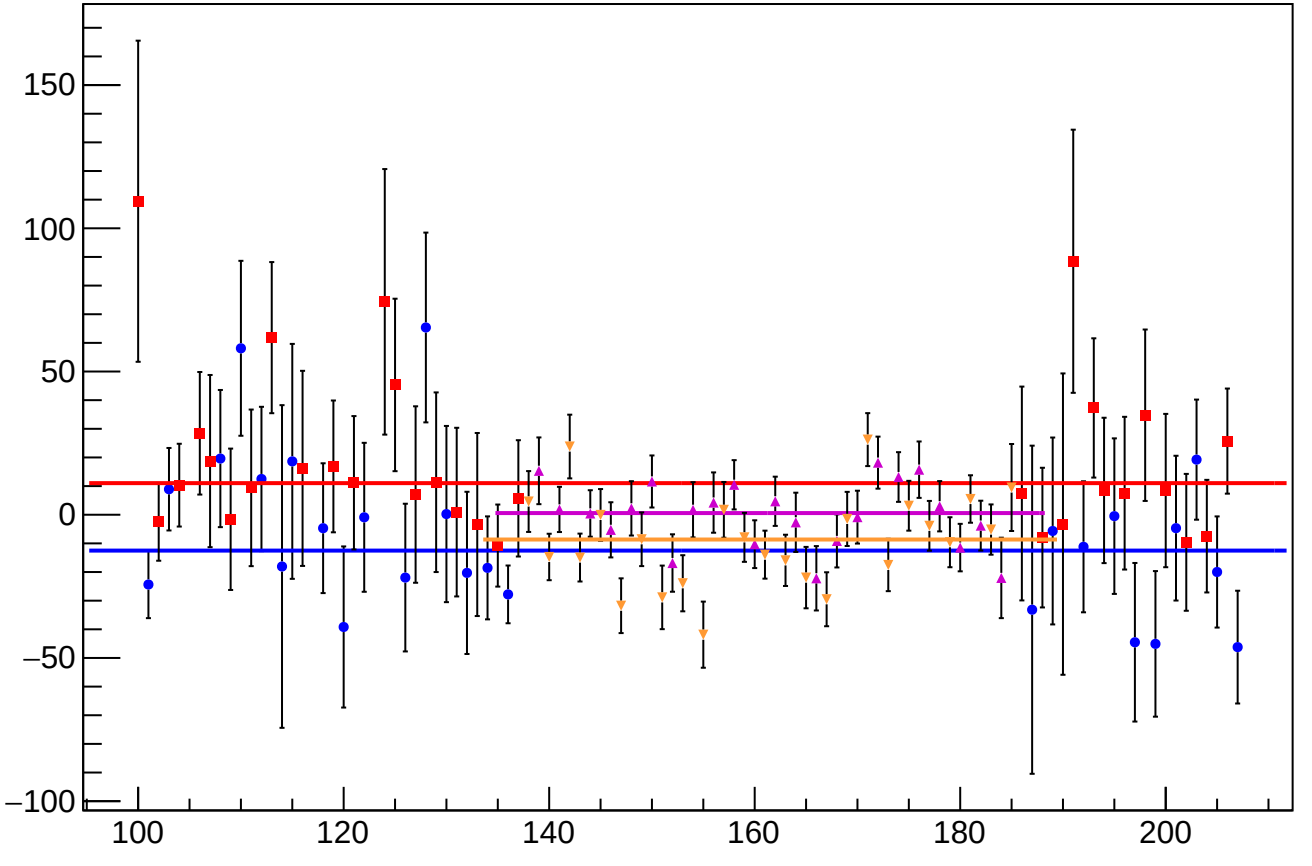
Right: 5666.642+/-0.744 χ^2/NDF: 3875588.5/56

In: 5996.988+/-0.752 χ^2/NDF:2255964.2/48

Out: 5936.459+/-0.721 χ^2/NDF:2965475.6/55

All: 5965.461+/-0.520 χ^2/NDF: 5224815.1/10

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -12.517+/-4.219 χ^2/NDF: 30.3/25

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

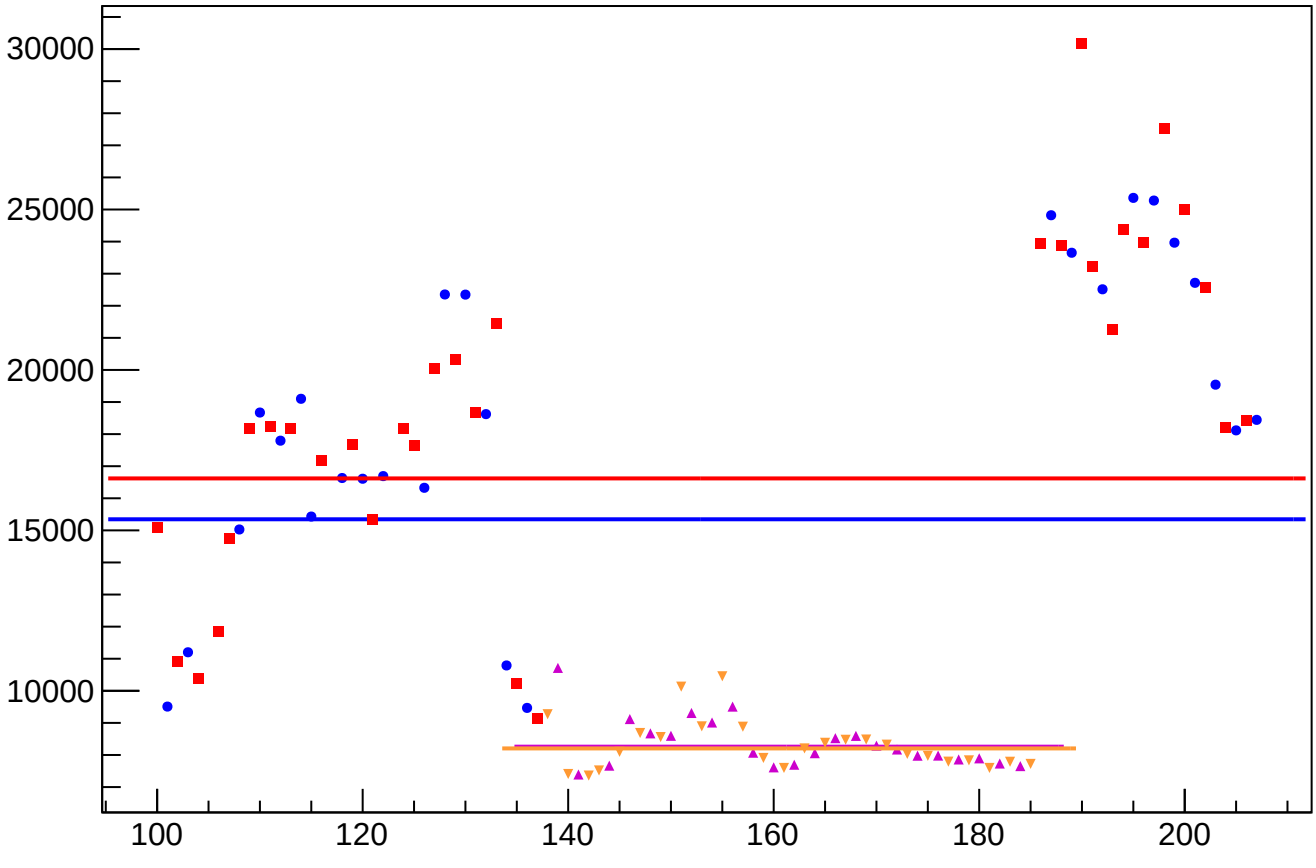
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -1.014+/-3.018 χ^2/NDF: 67.9/56

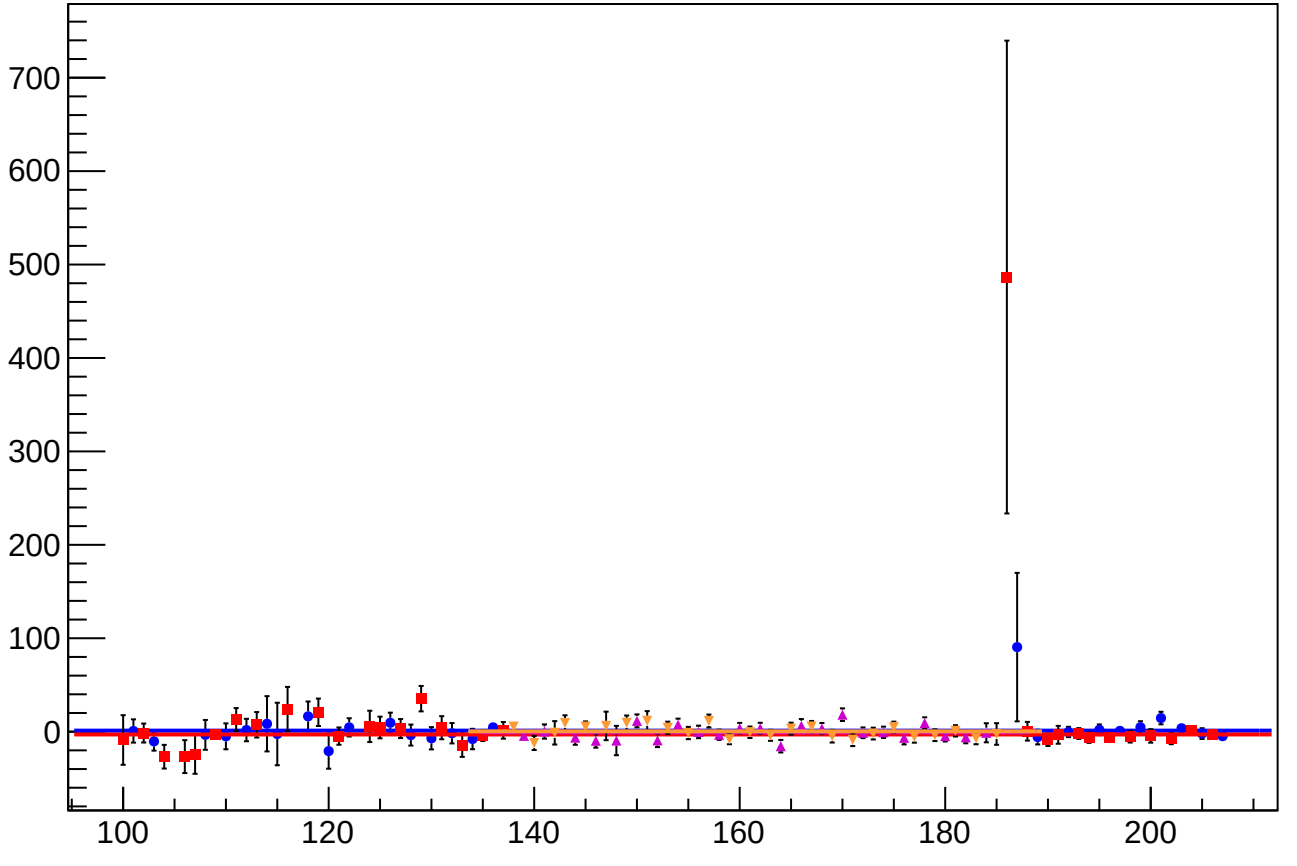
In: -1.701+/-1.762 χ^2/NDF:66.8/48

Out: -5.527+/-1.720 χ^2/NDF:102.9/55

All: -3.660+/-1.231 χ^2/NDF: 172.1/104


diff_bpm1X_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15345.700+/-2.984 χ²/NDF: 3240291.1/25
Left Out: 8204.502+/-1.326 χ²/NDF:272958.7/24
Right Out: 16619.239+/-3.053 χ²/NDF: 3109183.1/30
Left In: 8259.162+/-1.371 χ²/NDF:257333.8/22
Left: 8230.919+/-0.953 χ²/NDF: 531113.9/47
Right: 15967.722+/-2.134 χ²/NDF: 6438466.2/56
In: 9494.585+/-1.246 χ²/NDF:8155682.8/48
Out: 9539.393+/-1.216 χ²/NDF:9771802.2/55
All: 9517.527+/-0.870 χ²/NDF: 17928147.5/1

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.105+/-1.550 χ^2/NDF: 15.2/25

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

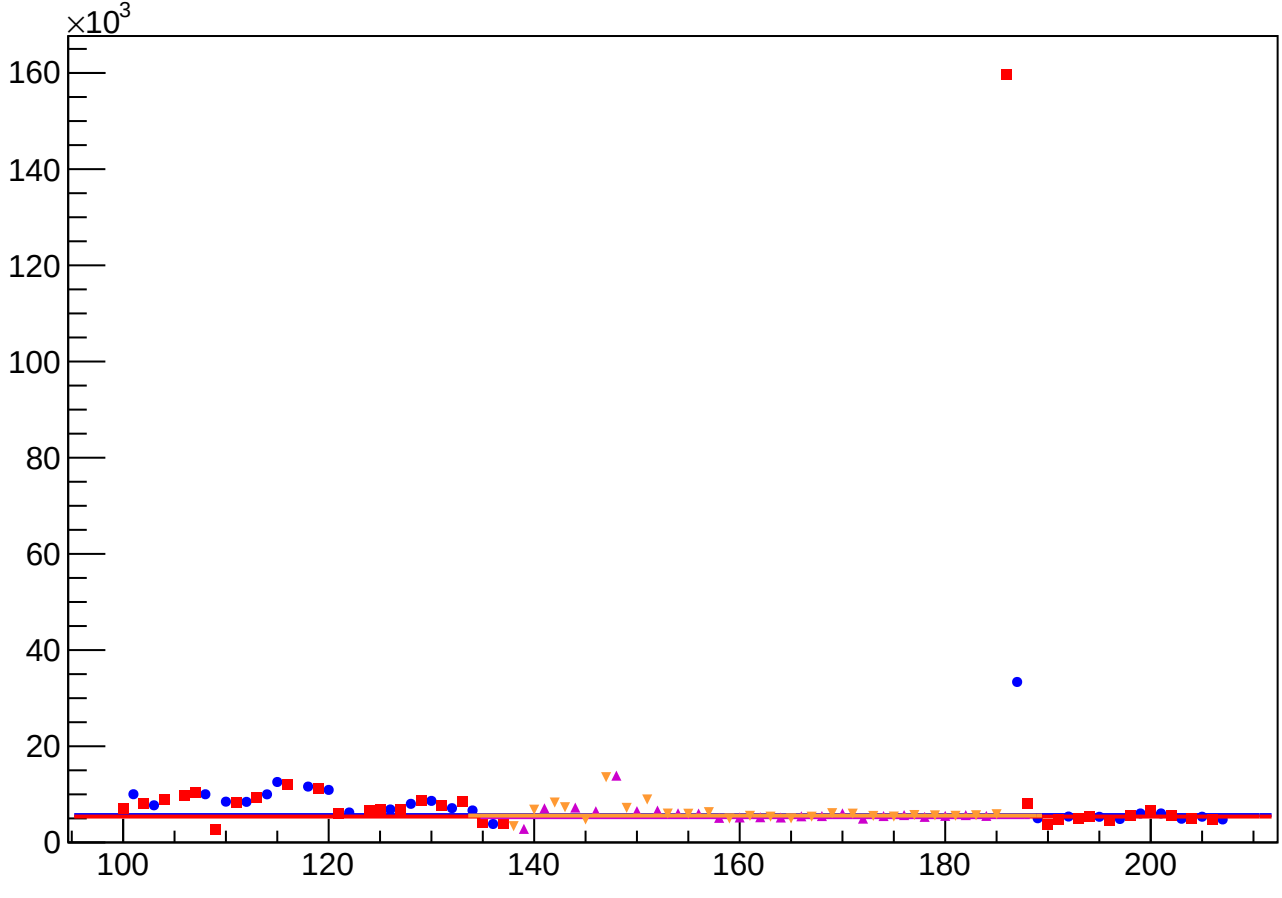
Right: -1.092+/-1.056 χ^2/NDF: 48.7/56

In: 0.034+/-0.992 χ^2/NDF:45.9/48

Out: -1.175+/-0.974 χ^2/NDF:54.3/55

All: -0.581+/-0.695 χ^2/NDF: 100.9/104

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5695.085+/-1.096 χ^2/NDF: 2356266.2/25

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

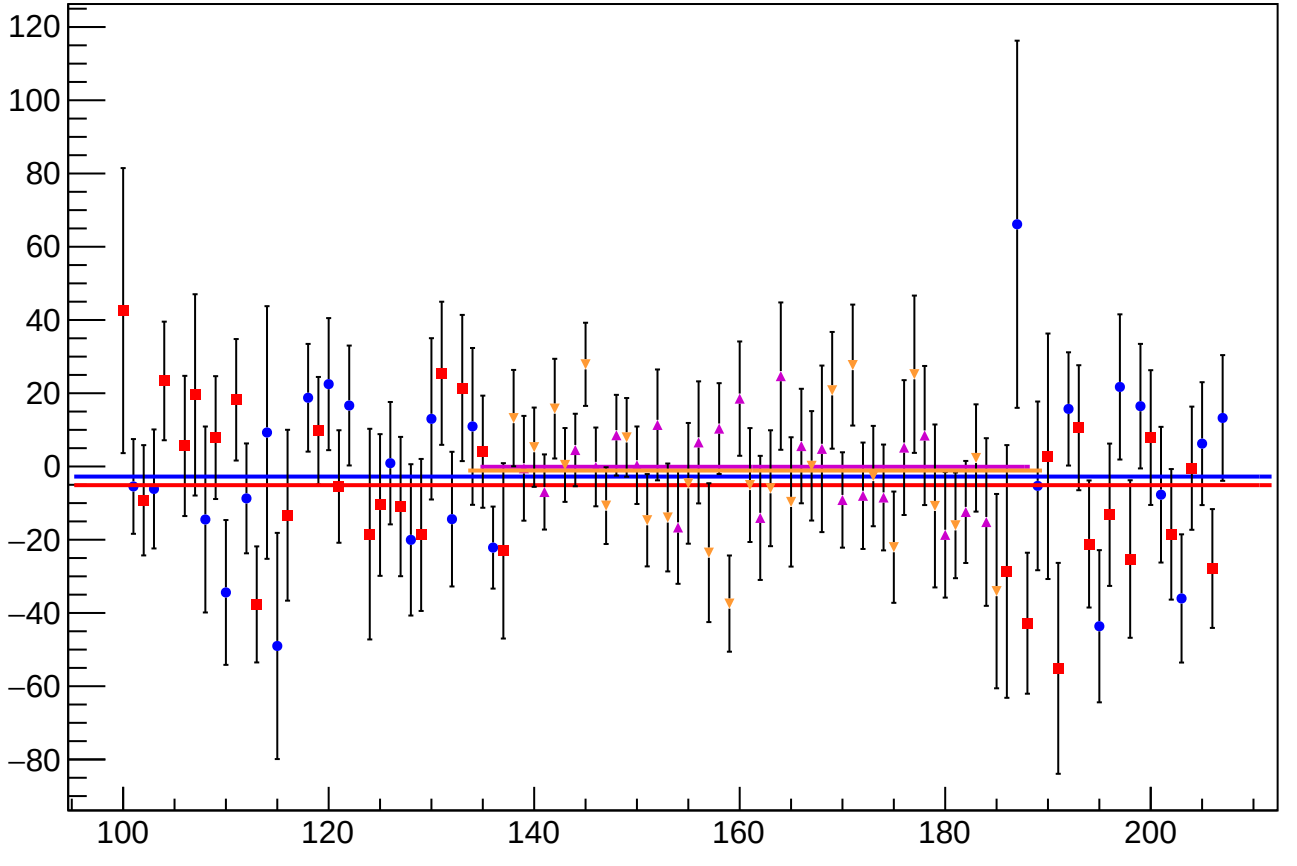
Right: 5528.964+/-0.747 χ^2/NDF: 6181961.6/56

In: 5439.879+/-0.701 χ^2/NDF:4873735.6/48

Out: 5498.924+/-0.689 χ^2/NDF:5589995.2/55

All: 5469.929+/-0.492 χ^2/NDF: 10467336.6/

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -2.756+/-3.521 χ^2/NDF: 30.8/25

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

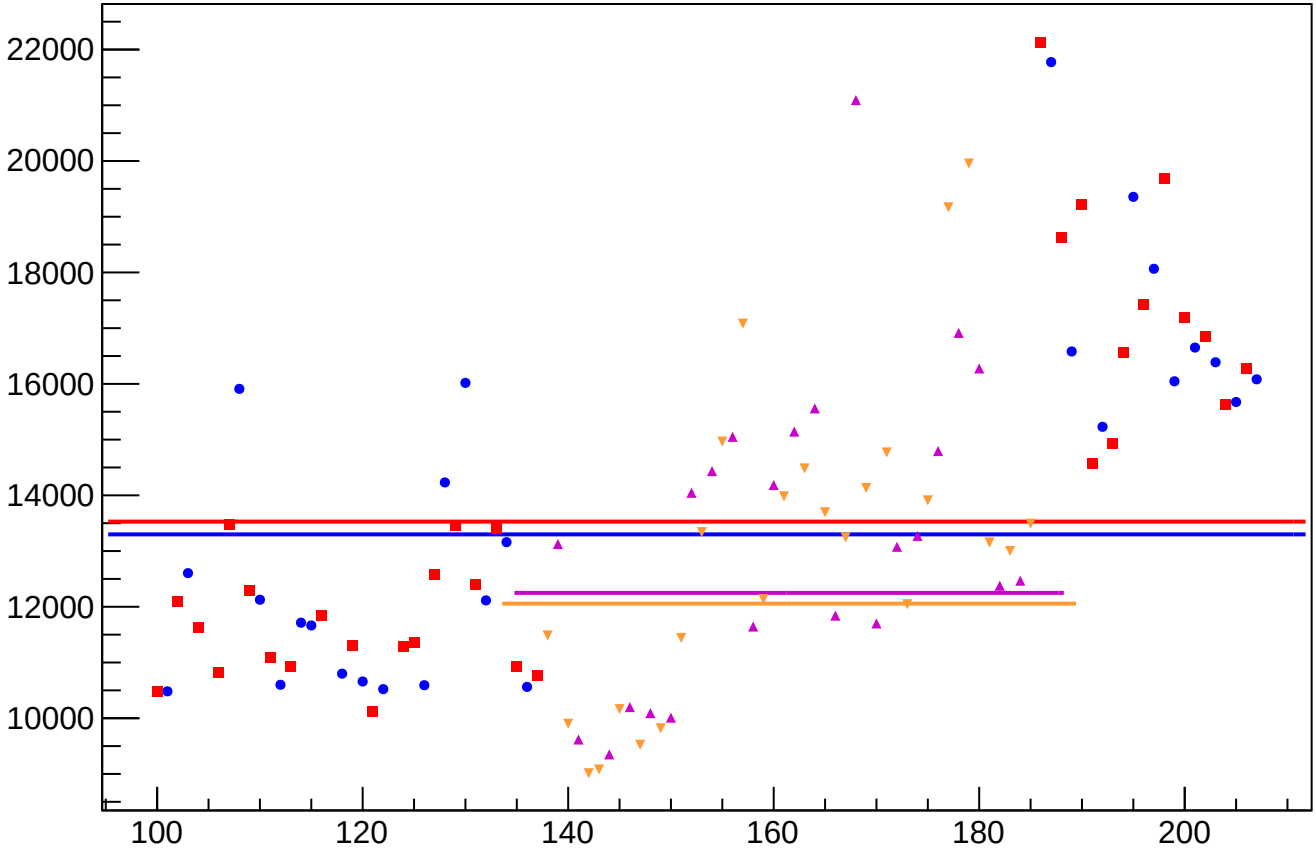
Right: -3.964+/-2.453 χ^2/NDF: 63.9/56

In: -1.176+/-2.251 χ^2/NDF:42.6/48

Out: -2.723+/-2.172 χ^2/NDF:67.5/55

All: -1.977+/-1.563 χ^2/NDF: 110.3/104

diff_bpm11X_rms vs Slug, Sign Corrected



Right In: 13299.243+/-2.490 χ^2/NDF: 1261521.3/25

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

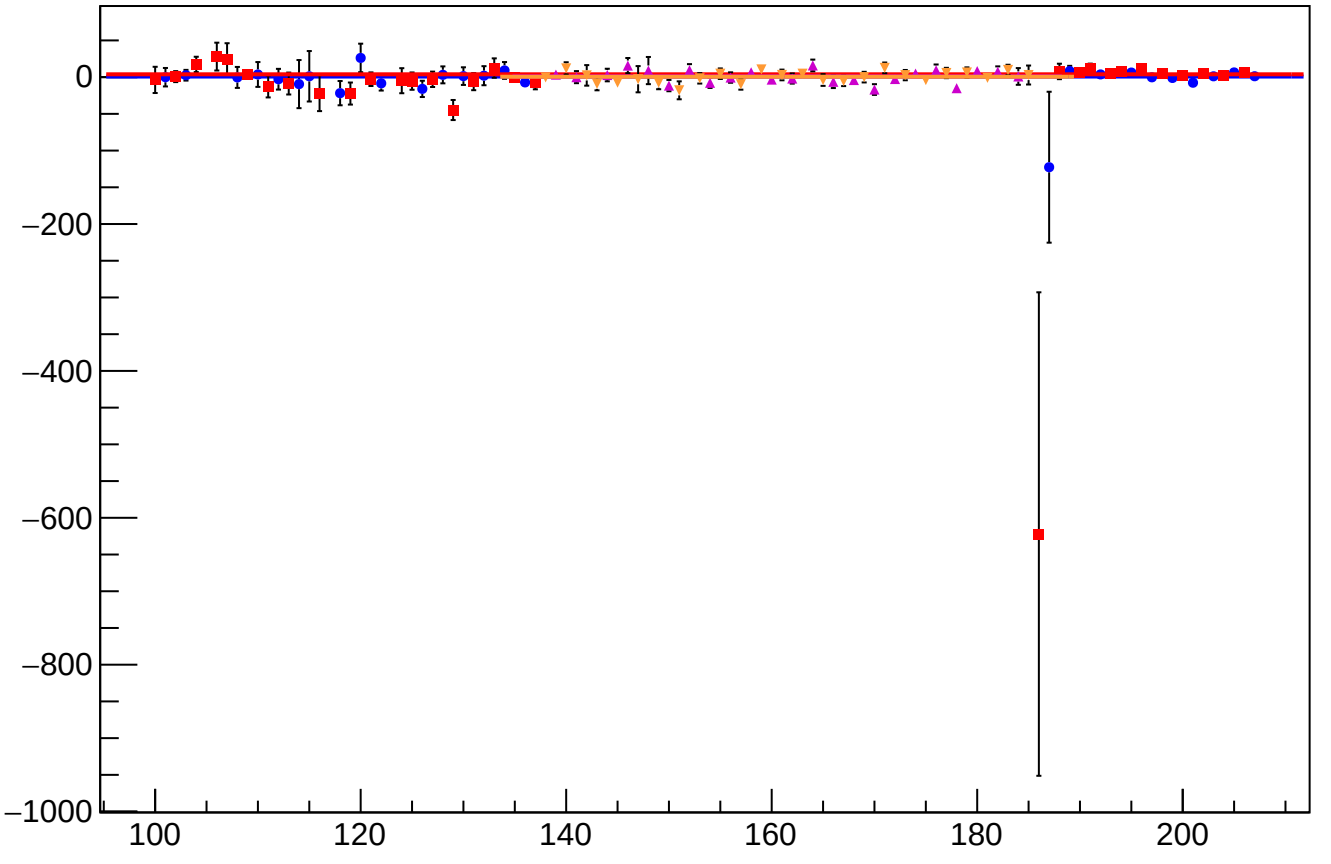
Left: 12149.117+/-1.434 χ^2/NDF: 2982262.4/47

Right: 13417.246+/-1.734 χ^2/NDF: 2642458.4/56

In: 12678.065+/-1.591 χ^2/NDF:2782758.9/48

Out: 12650.938+/-1.536 χ^2/NDF:3159341.9/55

All: 12664.020+/-1.105 χ^2/NDF: 5942251.2/1



Right In: 0.802+/-1.347 χ^2/NDF: 19.7/25

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

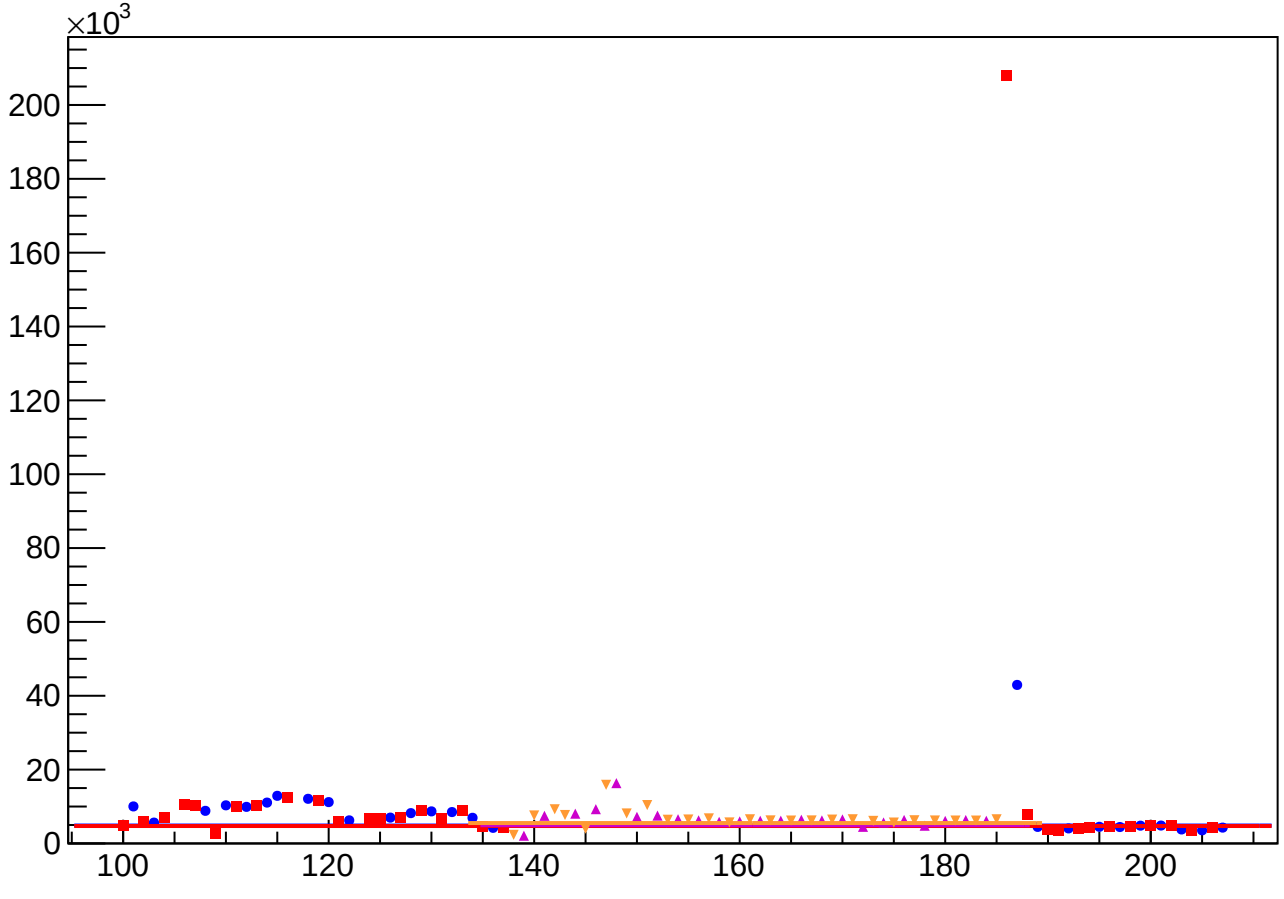
Right: 2.404+/-0.928 χ^2/NDF: 59.6/56

In: 0.877+/-0.933 χ^2/NDF:51.9/48

Out: 2.299+/-0.936 χ^2/NDF:61.7/55

All: 1.586+/-0.661 χ^2/NDF: 114.8/104

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 4850.994+/-0.952 χ^2/NDF: 3283967.4/25

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

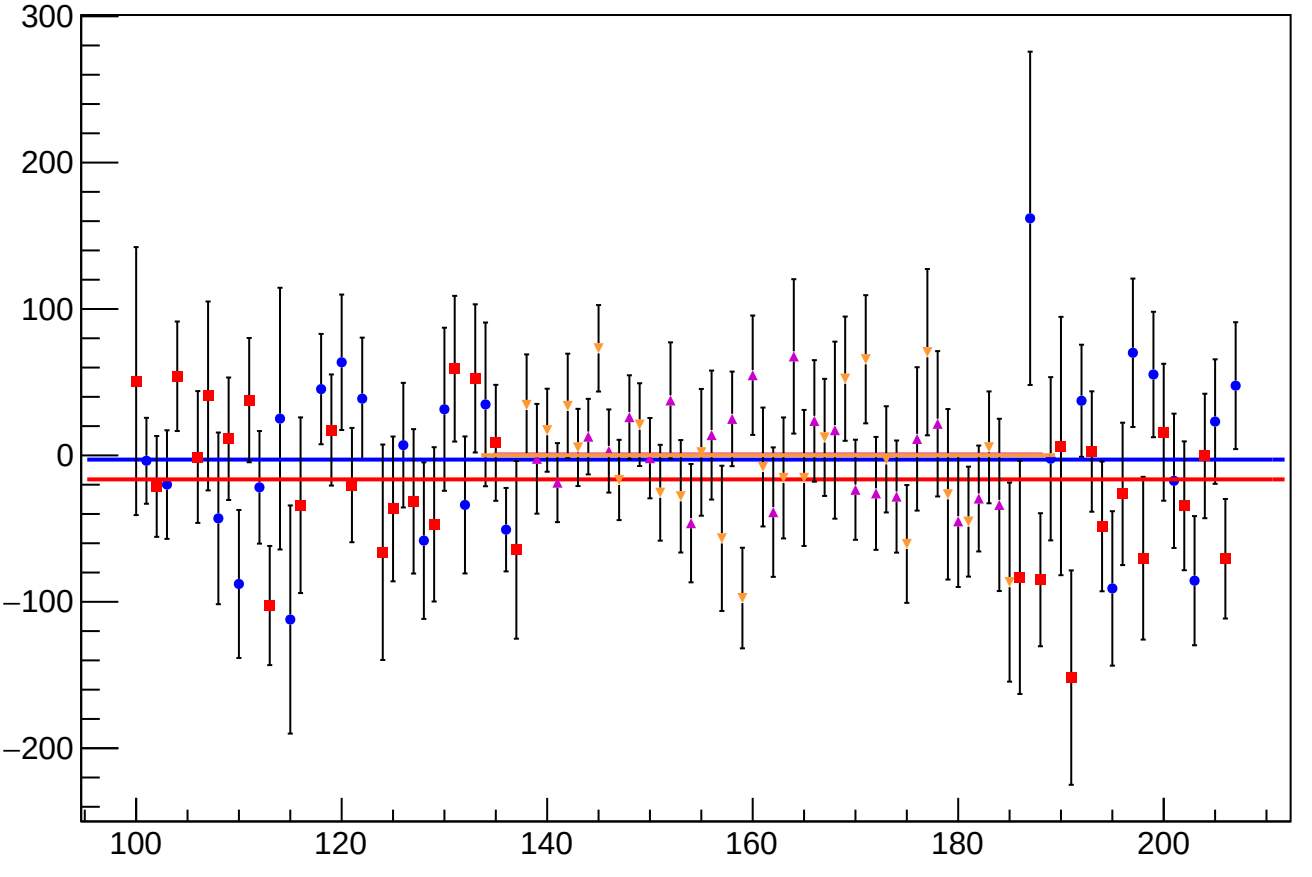
Right: 4783.255+/-0.656 χ^2/NDF: 7262460.1/56

In: 4898.293+/-0.660 χ^2/NDF:9224823.3/48

Out: 5098.475+/-0.662 χ^2/NDF:8714172.7/55

All: 4998.127+/-0.467 χ^2/NDF: 17984899.3/

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -2.854+/-8.782 χ^2/NDF: 31.0/25

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

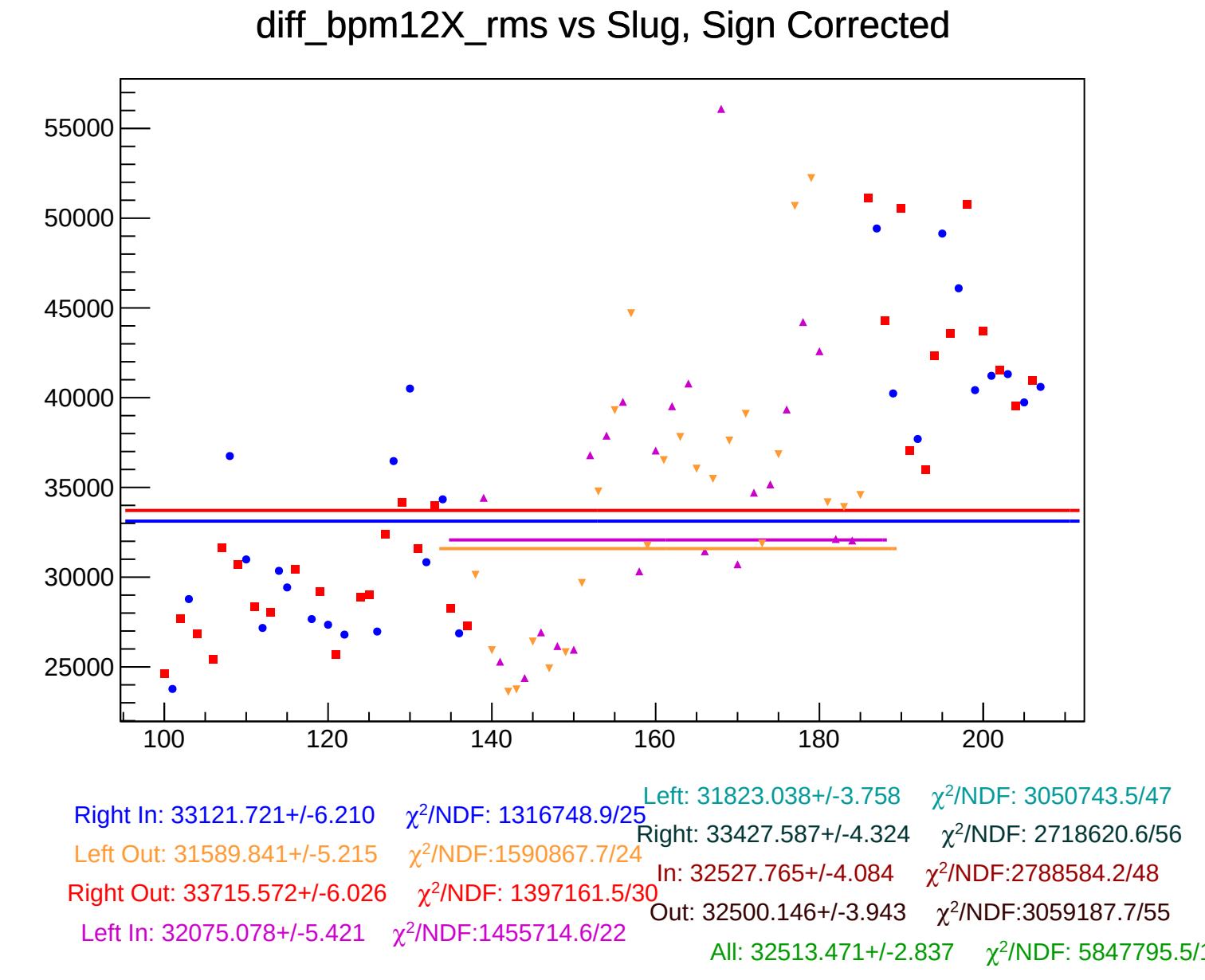
Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

Right: -9.820+/-6.116 χ^2/NDF: 61.6/56

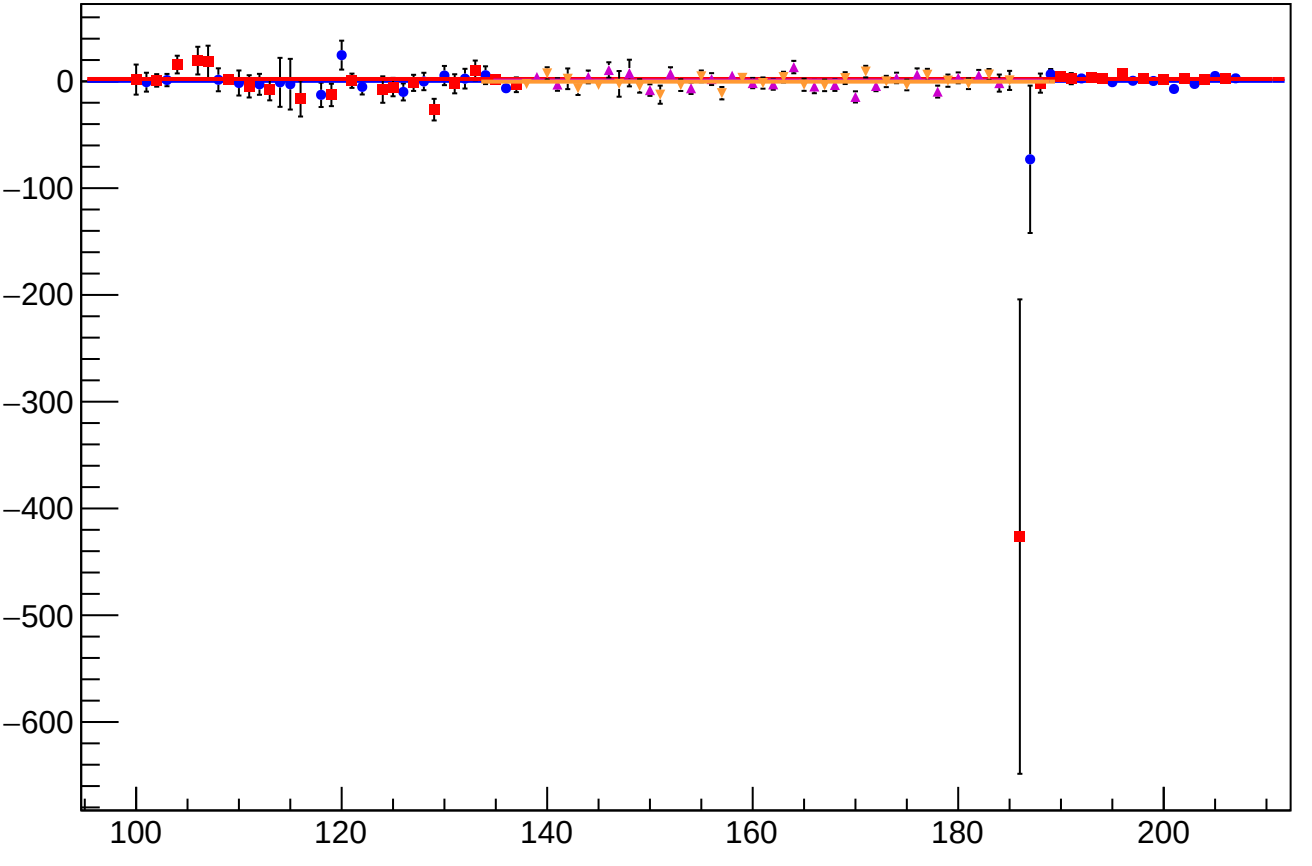
In: -0.902+/-5.776 χ^2/NDF:43.9/48

Out: -6.918+/-5.576 χ^2/NDF:62.7/55

All: -4.015+/-4.012 χ^2/NDF: 107.1/104


diff_bpm12X_rms vs Slug, Sign Corrected
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 33121.721+/-6.210 χ²/NDF: 1316748.9/25
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: 33427.587+/-4.324 χ²/NDF: 2718620.6/56
In: 32527.765+/-4.084 χ²/NDF:2788584.2/48
Out: 32500.146+/-3.943 χ²/NDF:3059187.7/55
All: 32513.471+/-2.837 χ²/NDF: 5847795.5/

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.507+/-0.839 χ^2/NDF: 28.0/25

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

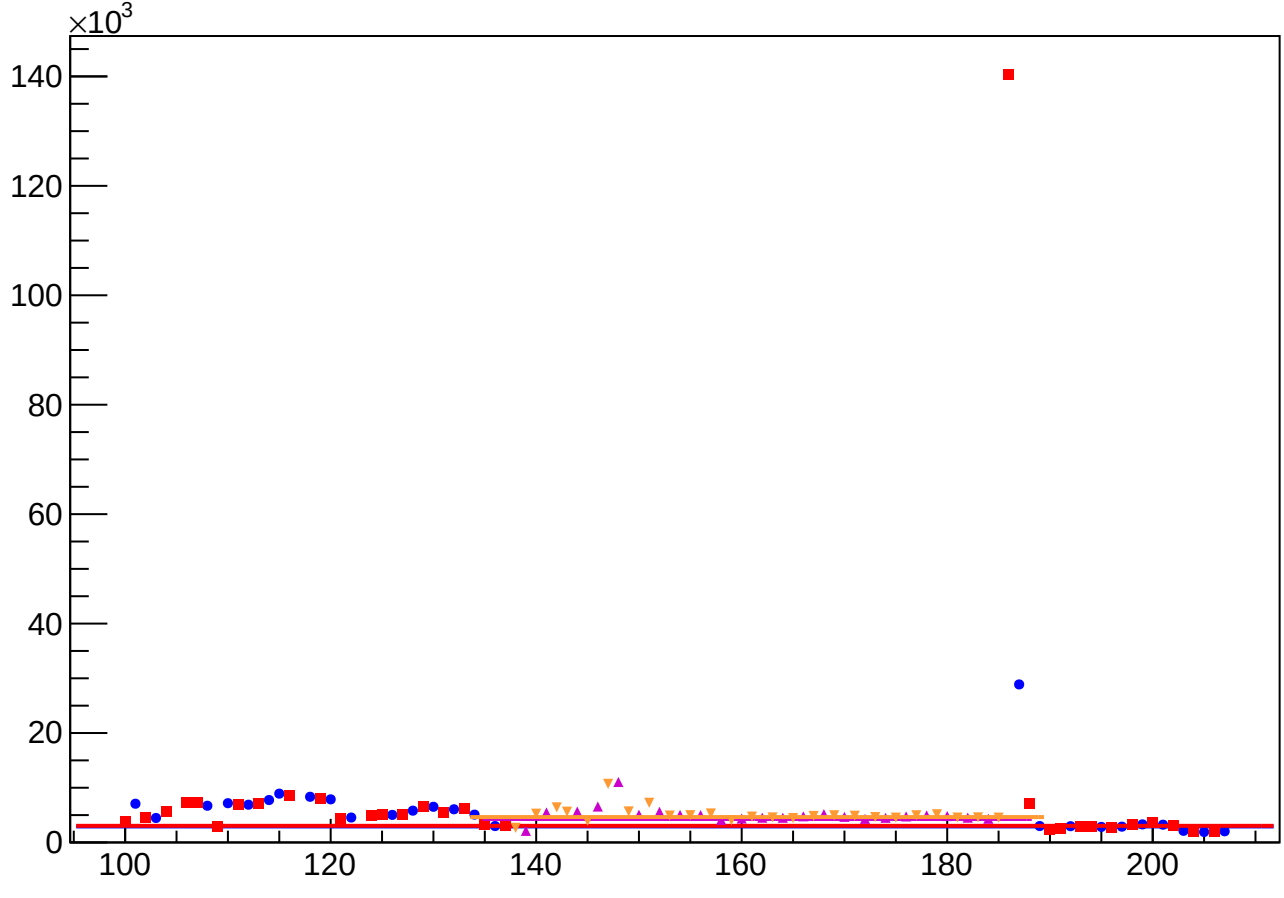
Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

Right: 1.379+/-0.594 χ^2/NDF: 59.3/56

In: 0.615+/-0.658 χ^2/NDF:61.8/48

Out: 1.334+/-0.666 χ^2/NDF:52.2/55

All: 0.970+/-0.468 χ^2/NDF: 114.6/104



Right In: 2926.547+/-0.593 χ^2/NDF: 4917420.6/25

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

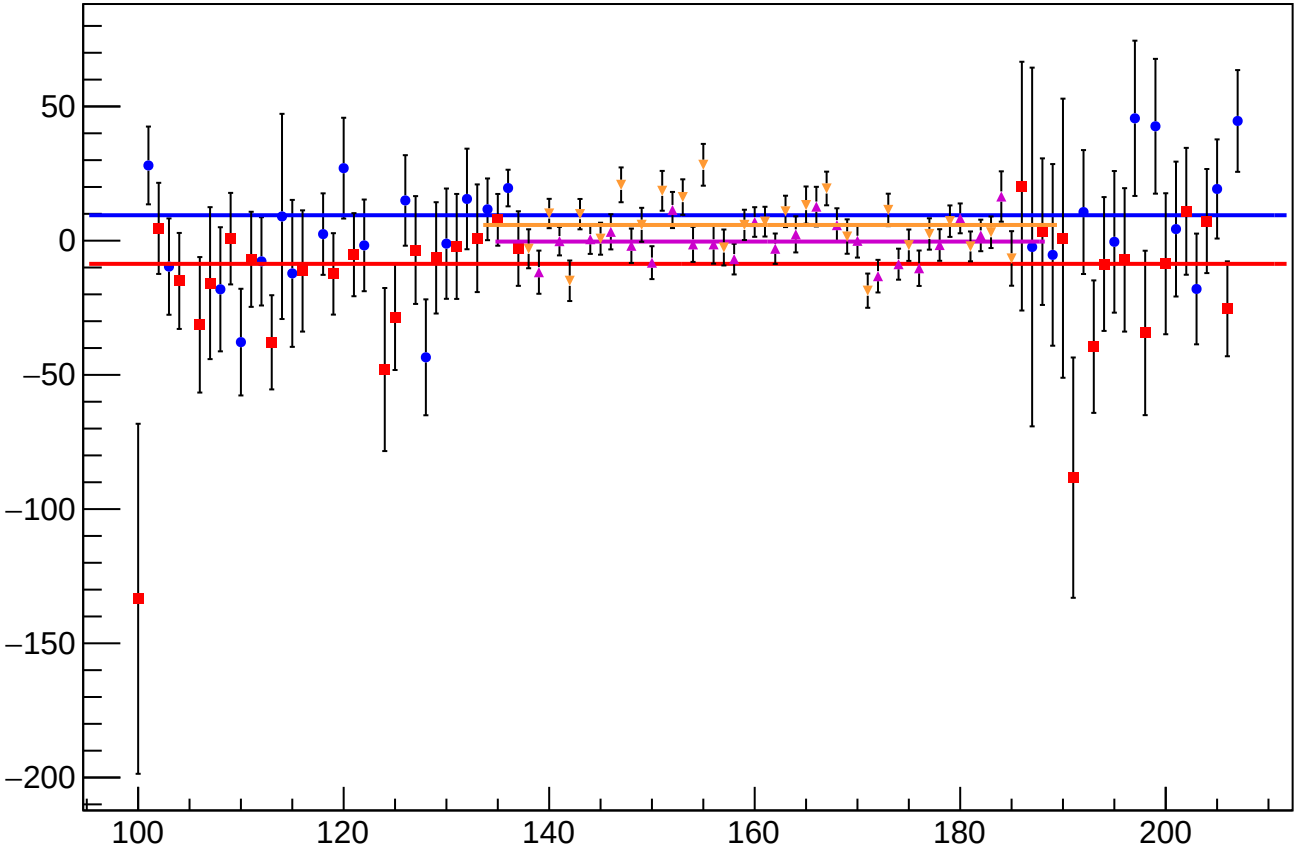
Right: 2982.282+/-0.420 χ^2/NDF: 10290266.3/56

In: 3453.408+/-0.465 χ^2/NDF:10060881.0/48

Out: 3631.347+/-0.471 χ^2/NDF:9807311.9/55

All: 3541.282+/-0.331 χ^2/NDF: 19940401.6/1

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 9.477+/-3.422 χ^2/NDF: 31.0/25

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -8.638+/-3.604 χ^2/NDF: 23.0/30

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

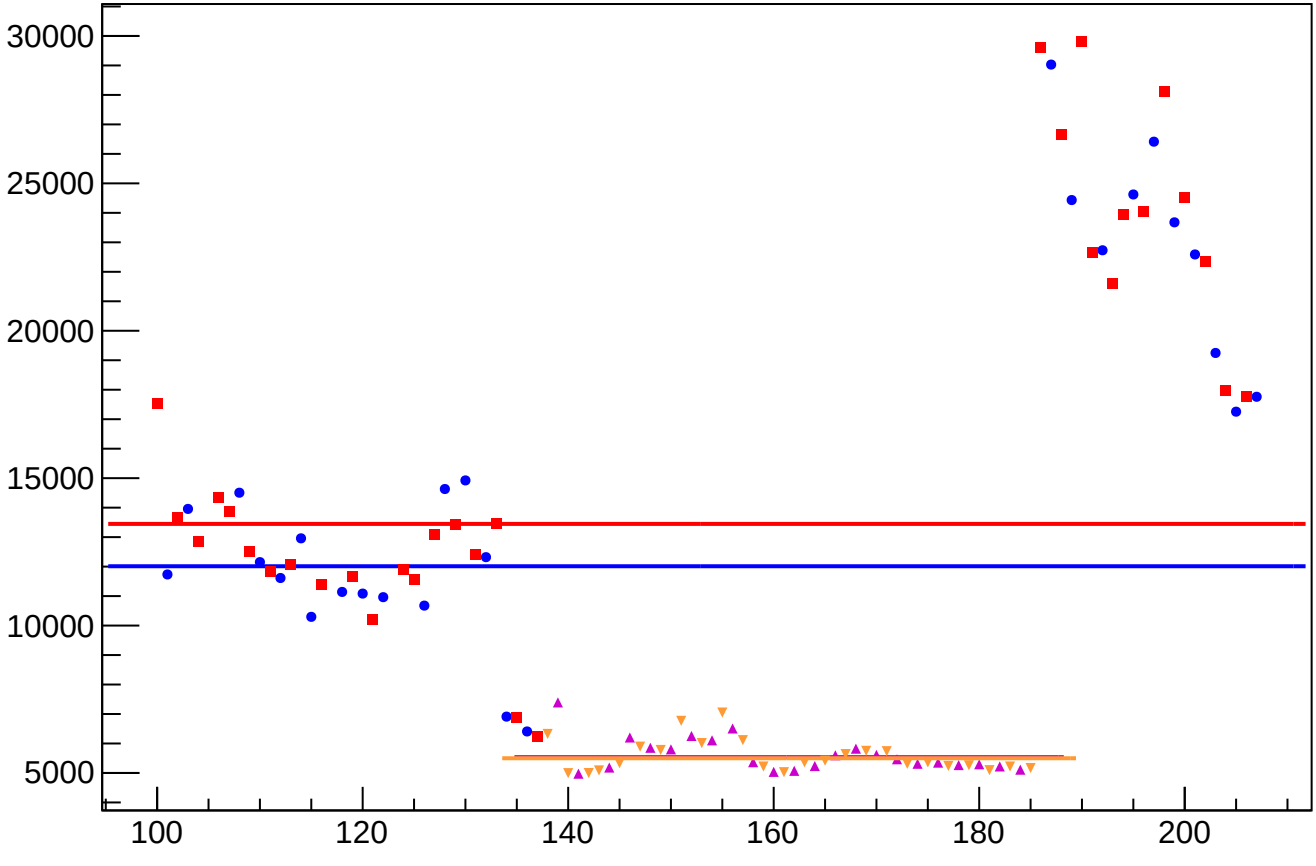
Right: 0.887+/-2.482 χ^2/NDF: 67.3/56

In: 0.902+/-1.216 χ^2/NDF:67.6/48

Out: 4.276+/-1.187 χ^2/NDF:97.4/55

All: 2.630+/-0.849 χ^2/NDF: 168.9/104

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 12012.112+/-2.420 χ^2/NDF: 5064399.3/25

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

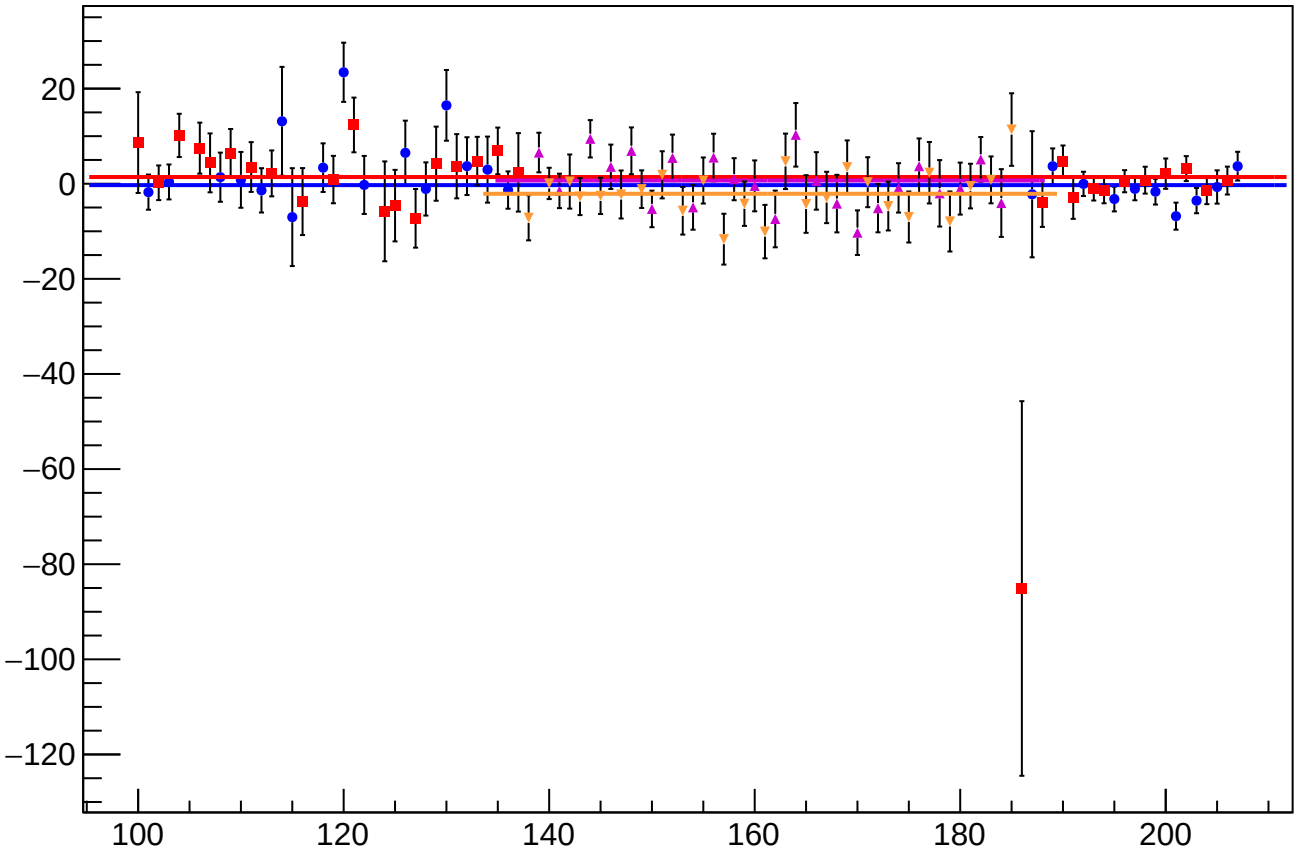
Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

Right: 12693.354+/-1.755 χ^2/NDF: 10114795.5/56

In: 6355.025+/-0.860 χ^2/NDF:11622625.7/48

Out: 6362.018+/-0.839 χ^2/NDF:13857202.9/55

All: 6358.605+/-0.601 χ^2/NDF: 25479862.5/1



Right In: -0.293+/-0.767 χ^2/NDF: 35.4/25

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

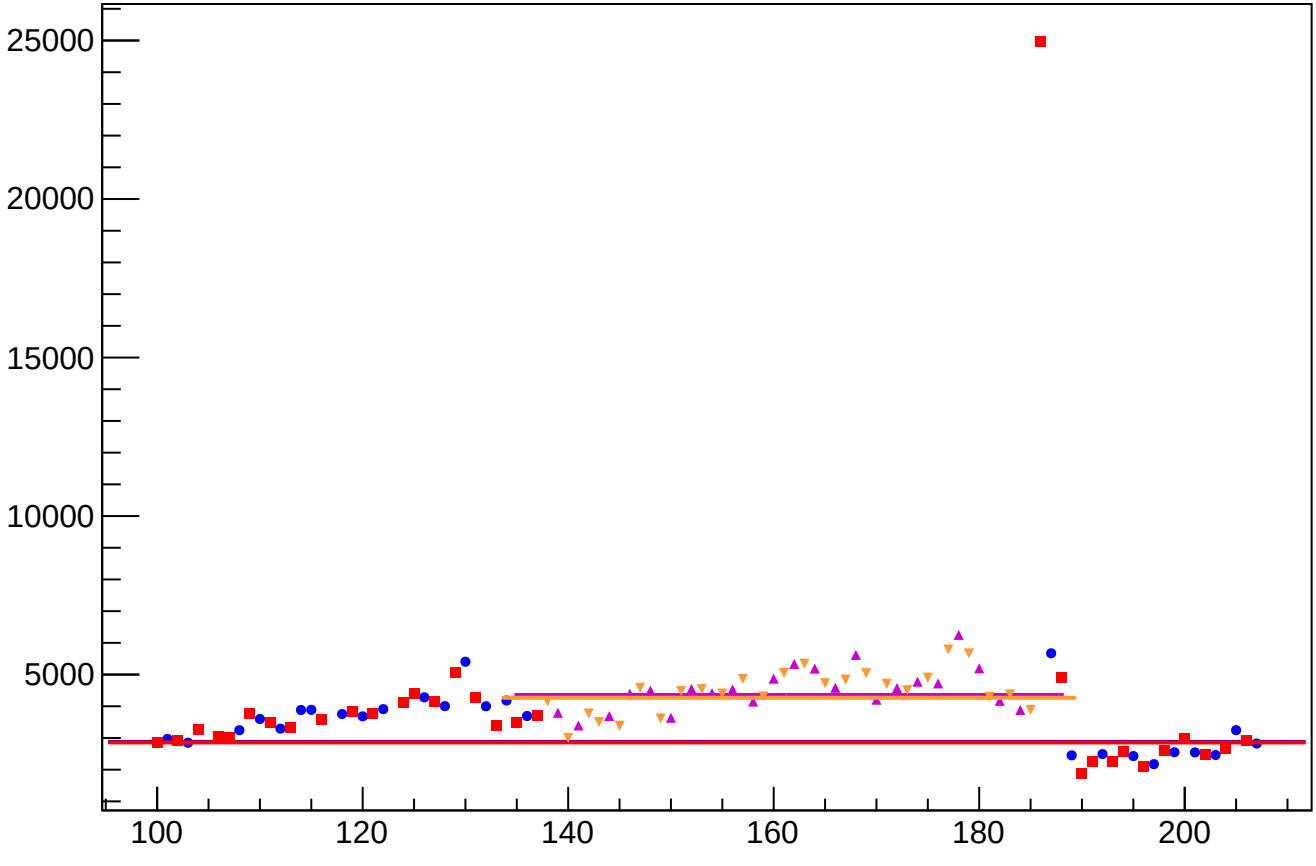
Right: 0.595+/-0.531 χ^2/NDF: 65.7/56

In: 0.051+/-0.616 χ^2/NDF:64.3/48

Out: 0.152+/-0.590 χ^2/NDF:53.4/55

All: 0.104+/-0.426 χ^2/NDF: 117.8/104

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2876.071+/-0.543 χ^2/NDF: 1385408.5/25

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

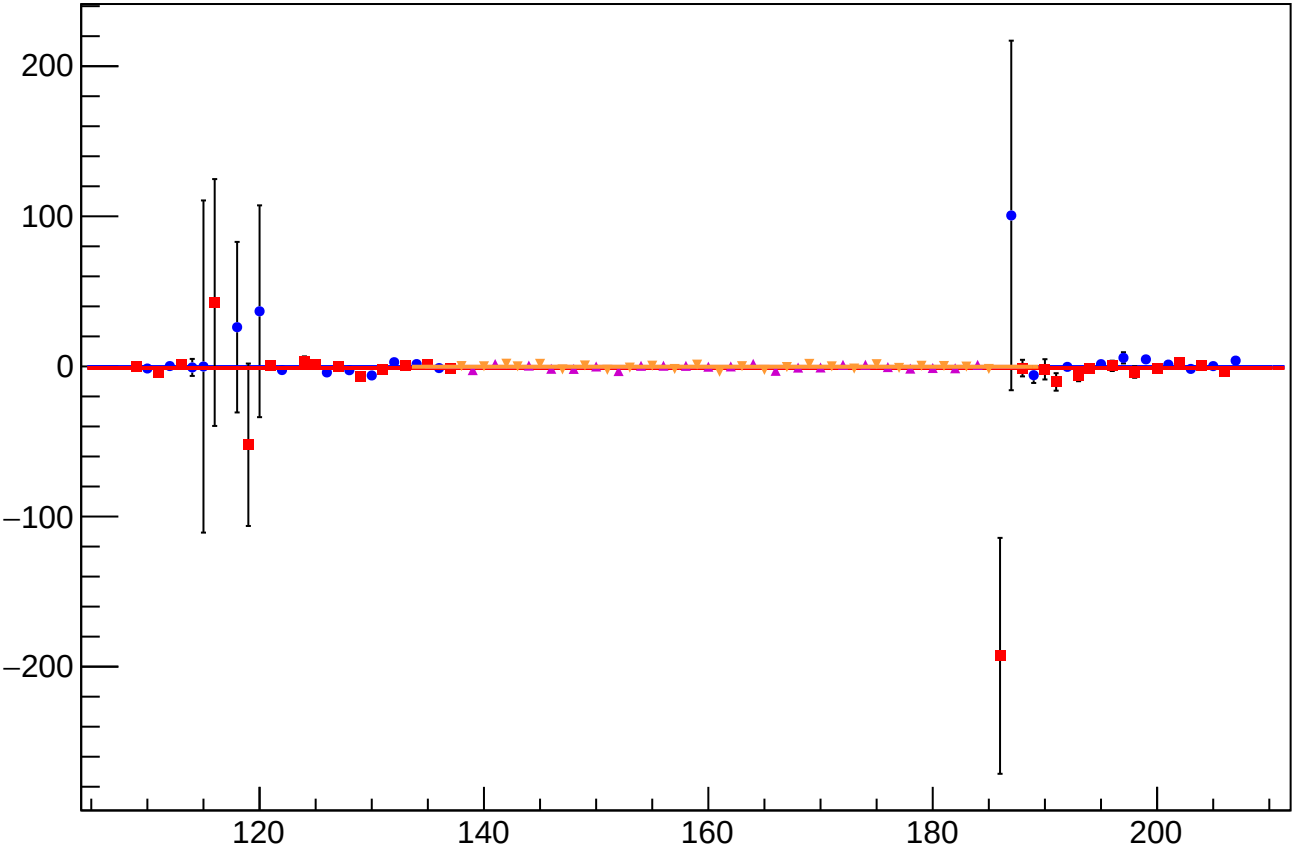
Right: 2867.209+/-0.375 χ^2/NDF: 3801845.2/56

In: 3403.786+/-0.435 χ^2/NDF:4779944.2/48

Out: 3361.446+/-0.417 χ^2/NDF:6069642.6/55

All: 3381.703+/-0.301 χ^2/NDF: 10854521.0/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.430+/-0.586 χ^2/NDF: 25.7/22

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

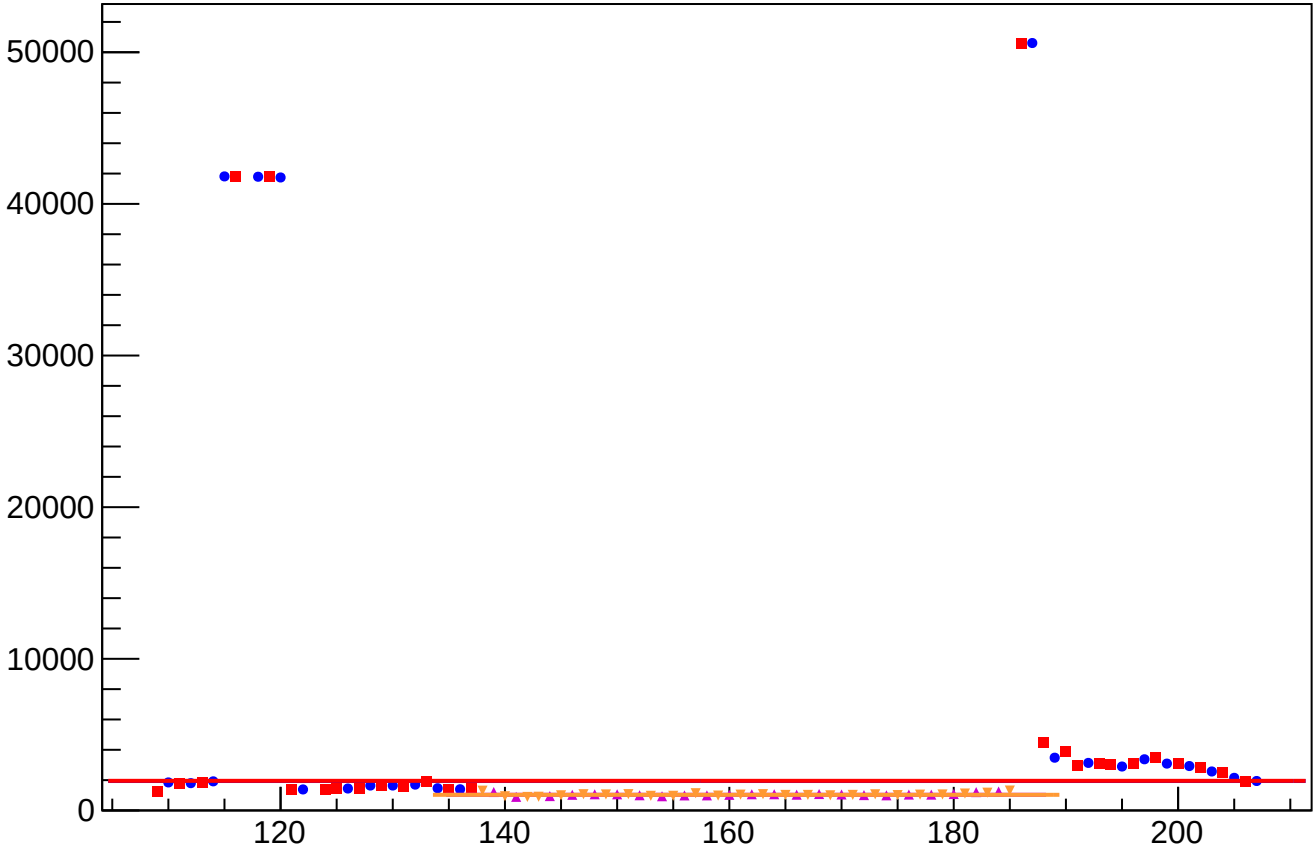
Right: -0.741+/-0.412 χ^2/NDF: 53.8/48

In: -0.347+/-0.224 χ^2/NDF:55.1/45

Out: -0.320+/-0.218 χ^2/NDF:63.3/50

All: -0.334+/-0.156 χ^2/NDF: 118.5/96

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1941.132+/-0.415 χ^2/NDF: 4386489.0/22

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

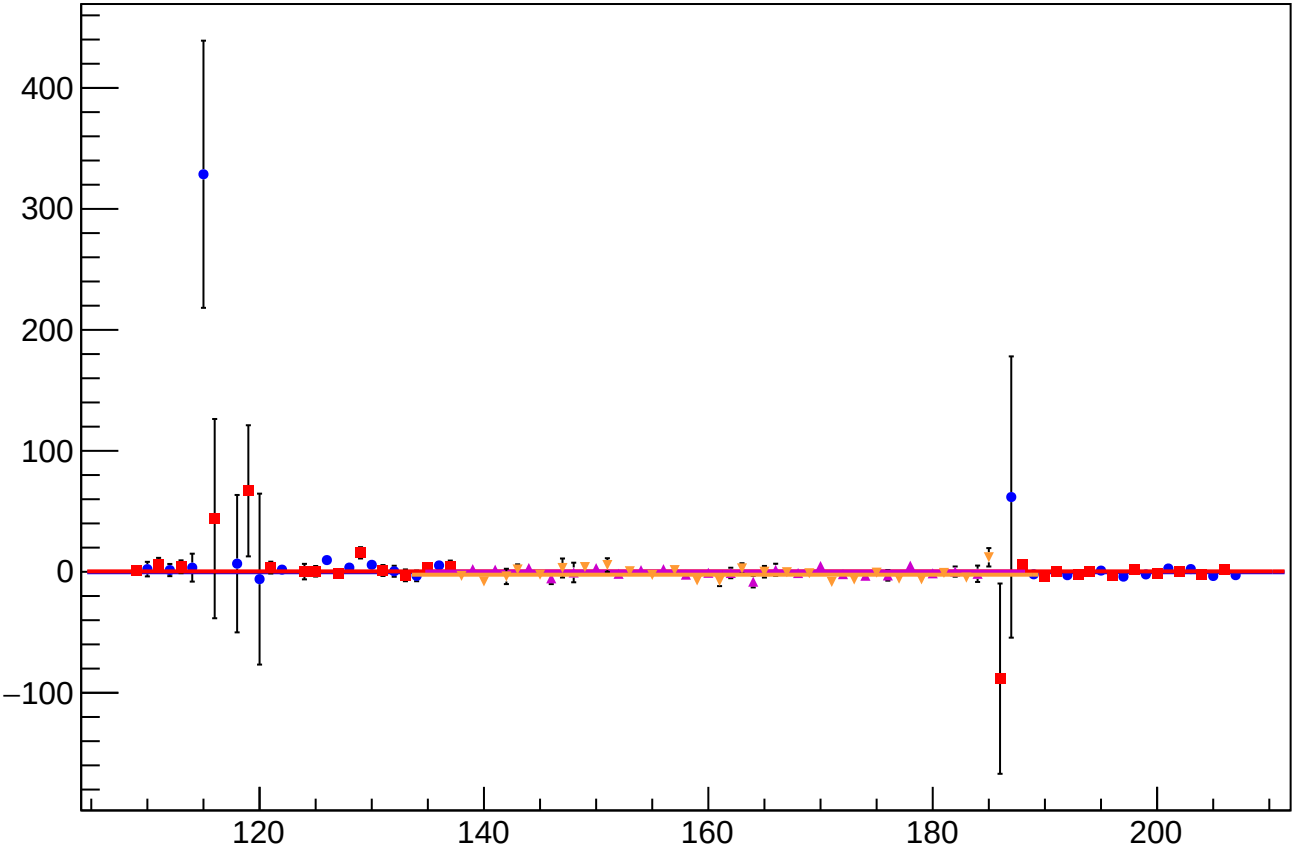
Right: 1947.451+/-0.292 χ^2/NDF: 9734099.1/48

In: 1165.125+/-0.158 χ^2/NDF:8675984.7/45

Out: 1161.924+/-0.154 χ^2/NDF:9929357.3/50

All: 1163.484+/-0.110 χ^2/NDF: 18605551.8/9

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: -0.358+/-0.559 χ^2/NDF: 43.9/22

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

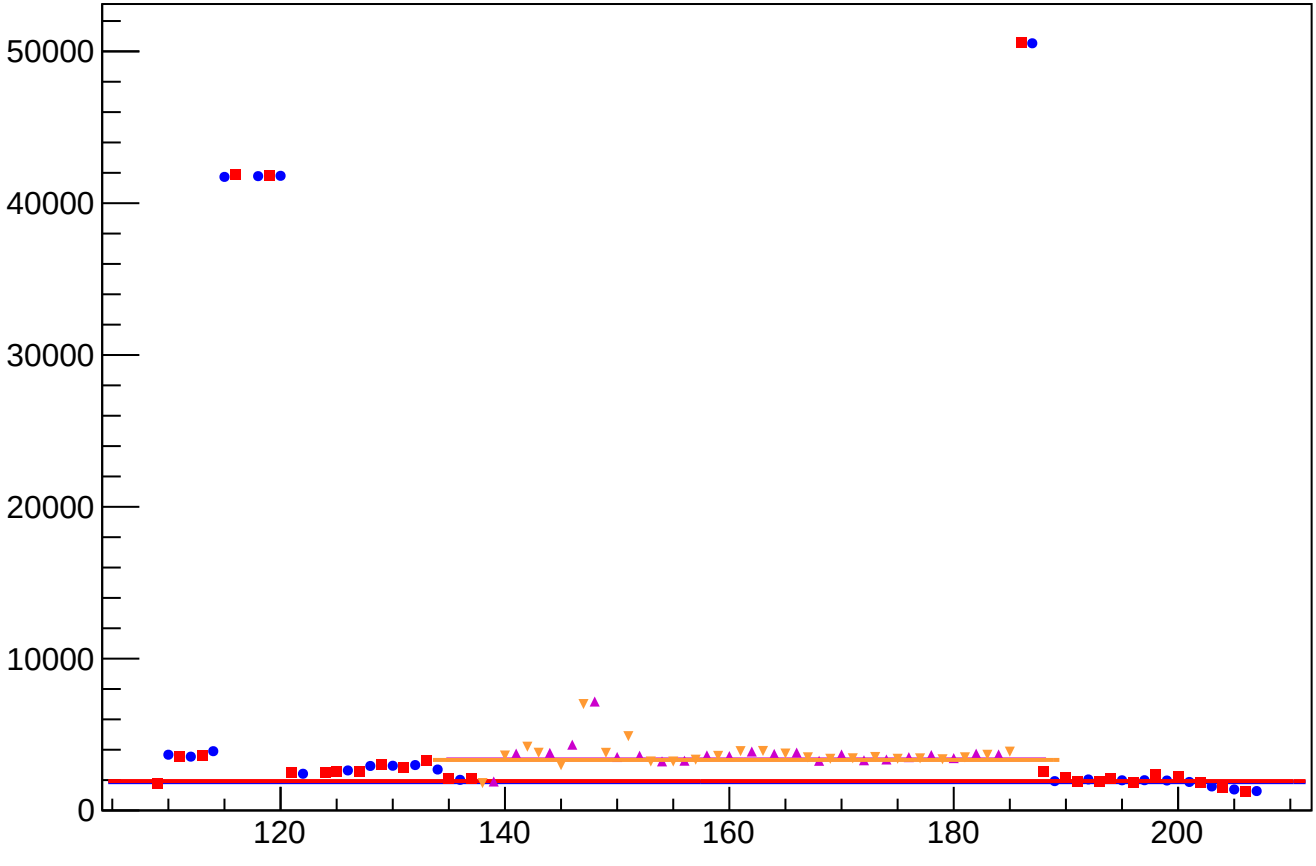
Right: -0.000+/-0.397 χ^2/NDF: 76.0/48

In: -0.187+/-0.460 χ^2/NDF:56.9/45

Out: -0.576+/-0.457 χ^2/NDF:63.7/50

All: -0.383+/-0.324 χ^2/NDF: 120.9/96

diff_bpm1p02bY_rms vs Slug, Sign Corrected



Right In: 1863.484+/-0.396 χ^2/NDF: 3966231.6/22

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

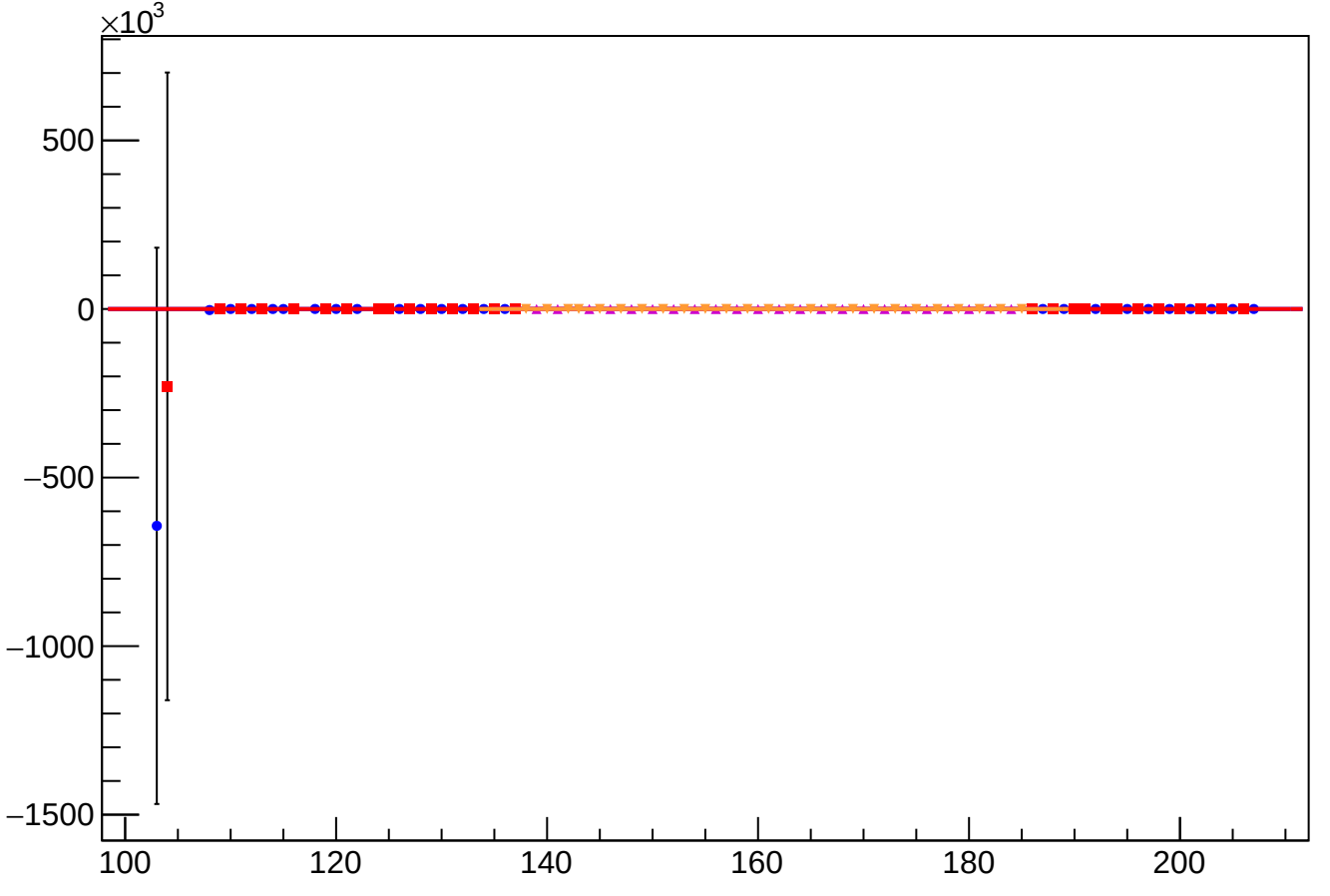
Right: 1899.564+/-0.281 χ^2/NDF: 8063340.1/48

In: 2347.440+/-0.325 χ^2/NDF:10245331.4/45

Out: 2412.562+/-0.323 χ^2/NDF:10163694.4/50

All: 2380.199+/-0.229 χ^2/NDF: 20429165.0/9

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.302+/-0.620 χ^2/NDF: 28.7/24

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

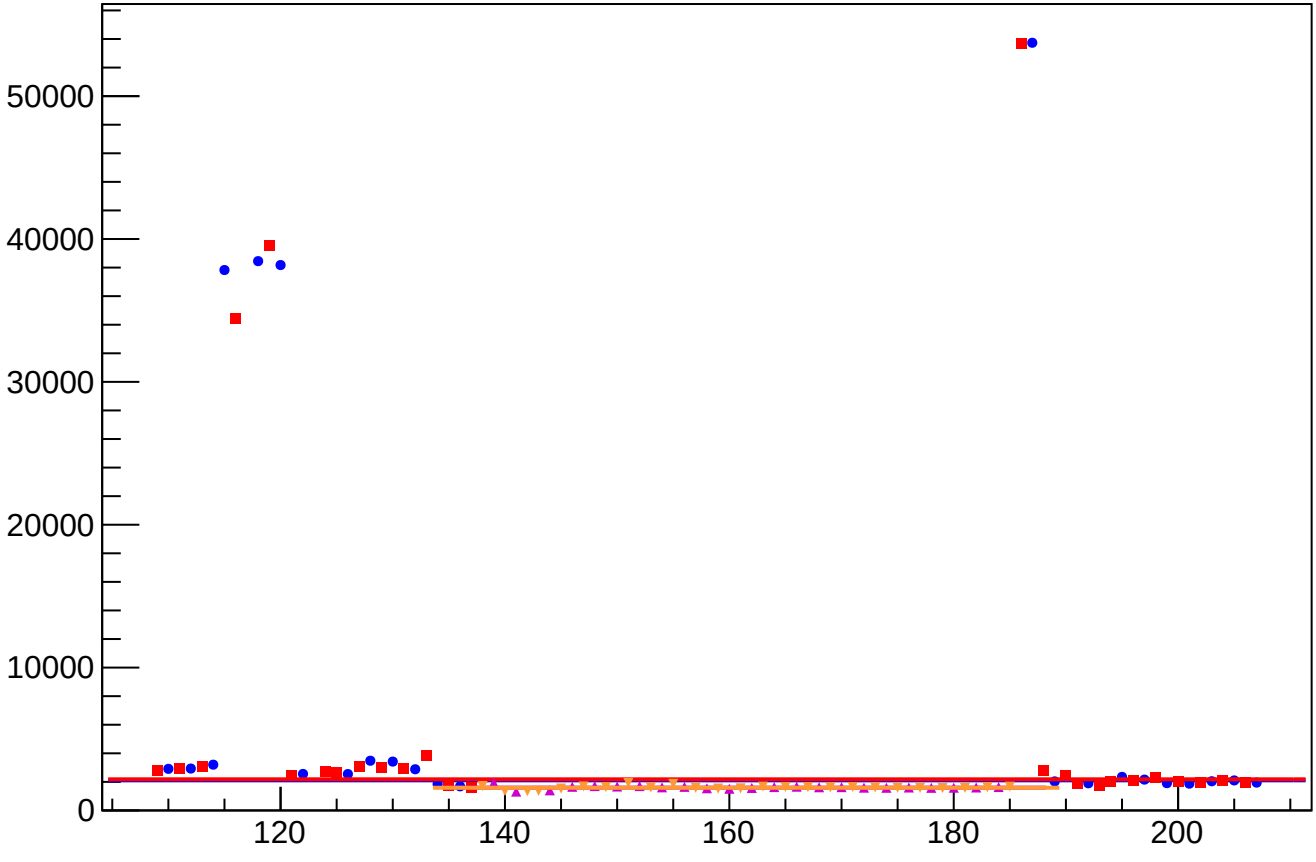
Right: 0.179+/-0.437 χ^2/NDF: 64.5/51

In: -0.361+/-0.320 χ^2/NDF:59.2/47

Out: -0.745+/-0.313 χ^2/NDF:95.0/51

All: -0.558+/-0.224 χ^2/NDF: 154.9/99

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2108.933+/-0.438 χ^2/NDF: 2981157.6/22

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

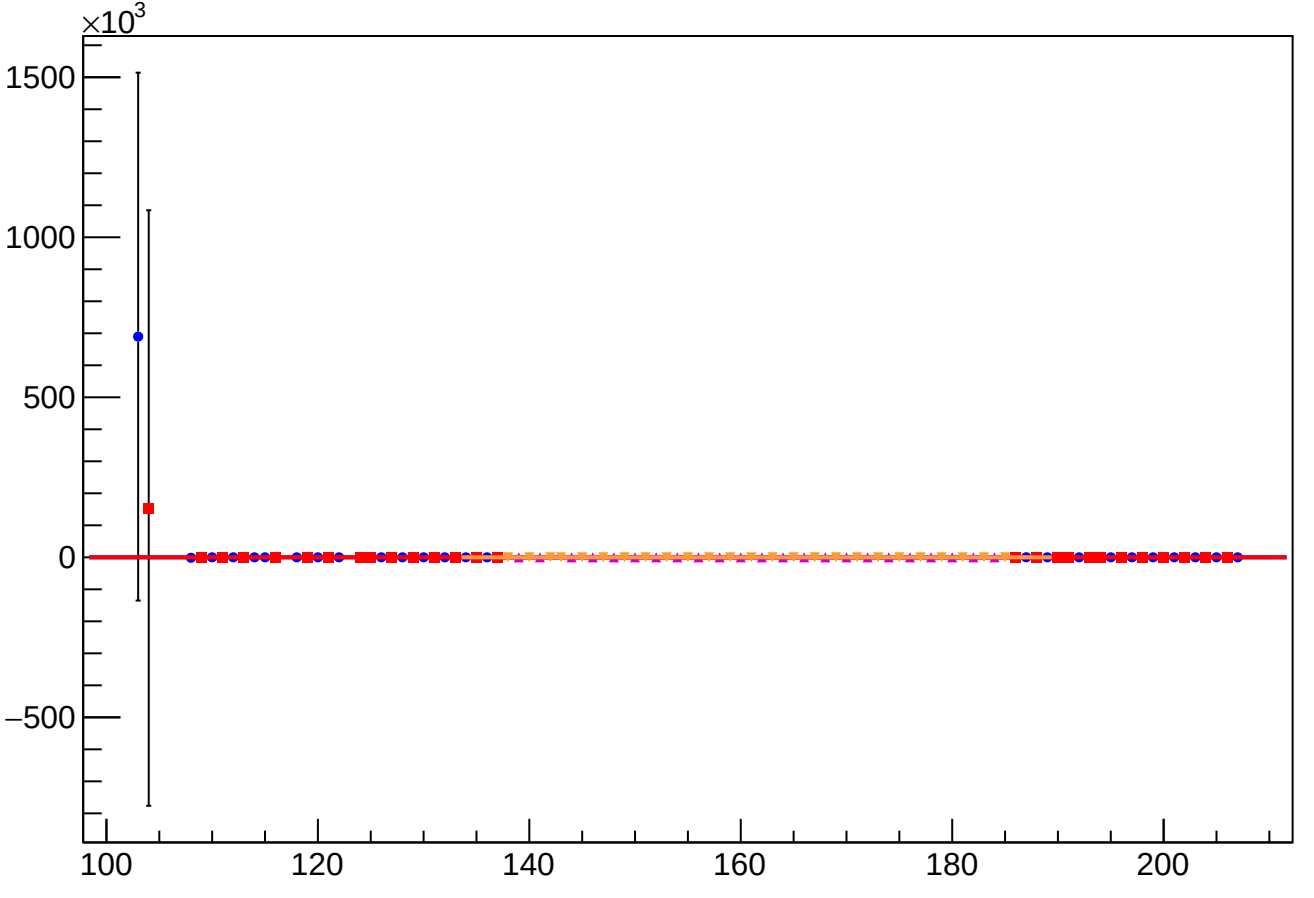
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2144.430+/-0.309 χ^2/NDF: 6240549.1/48

In: 1733.315+/-0.227 χ^2/NDF:4181012.0/45

Out: 1741.012+/-0.221 χ^2/NDF:4836882.3/50

All: 1737.256+/-0.158 χ^2/NDF: 9018484.9/96



Right In: -0.019+/-0.476 χ^2/NDF: 23.3/24

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

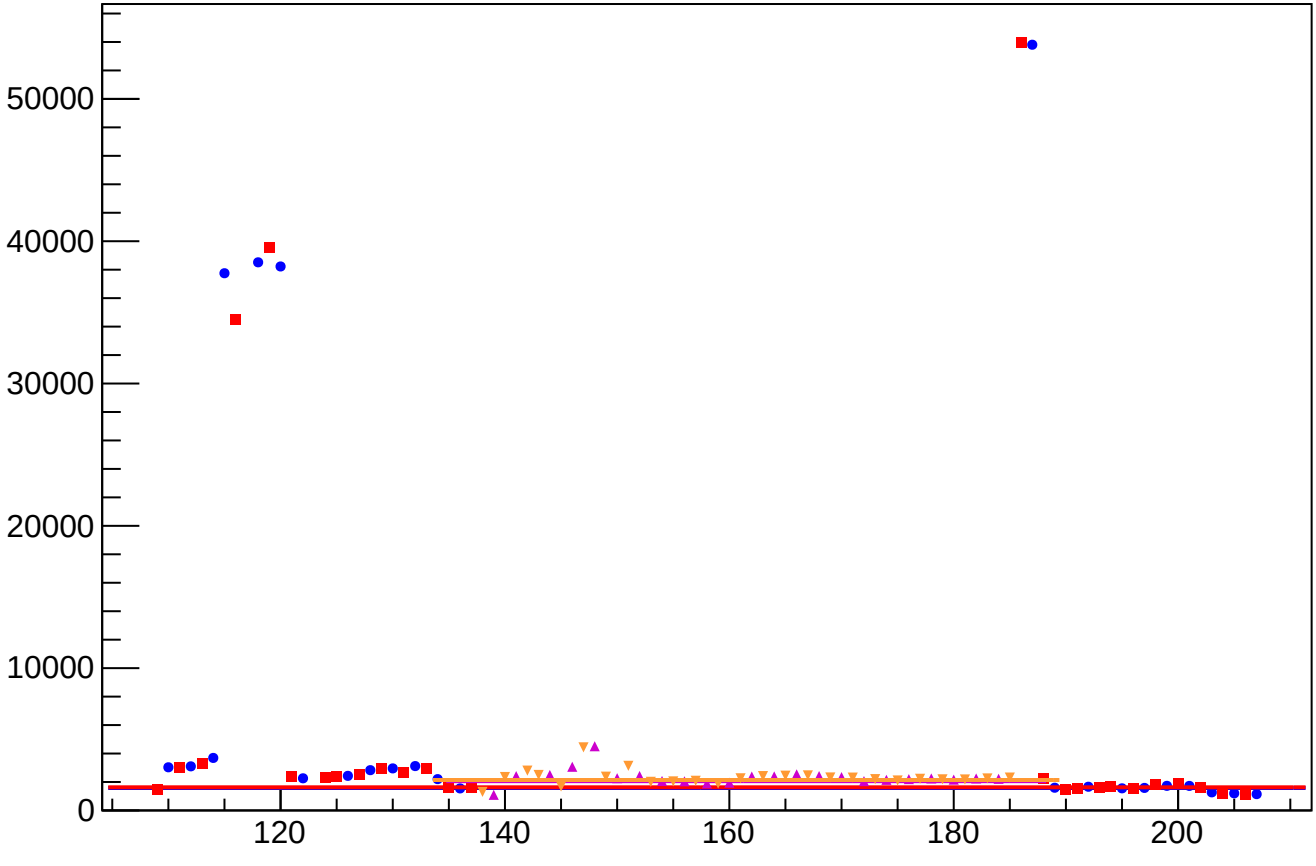
Right: -0.081+/-0.336 χ^2/NDF: 49.9/51

In: -0.069+/-0.345 χ^2/NDF:40.2/47

Out: -0.632+/-0.345 χ^2/NDF:53.2/51

All: -0.351+/-0.244 χ^2/NDF: 94.7/99

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1578.104+/-0.336 χ^2/NDF: 4151501.2/22

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

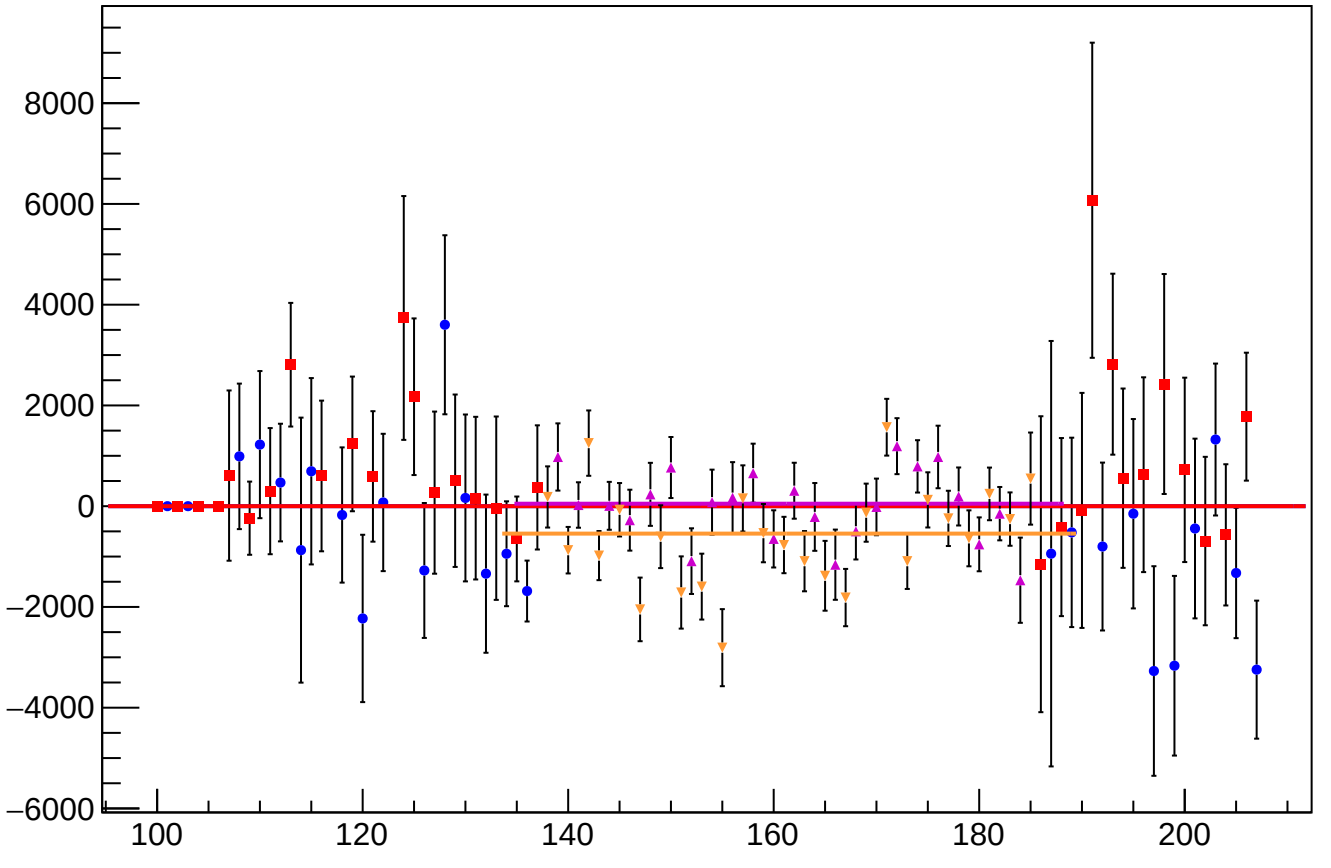
Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

Right: 1601.880+/-0.238 χ^2/NDF: 8404122.2/48

In: 1805.661+/-0.244 χ^2/NDF:7410313.6/45

Out: 1867.981+/-0.244 χ^2/NDF:6826463.4/50

All: 1836.814+/-0.173 χ^2/NDF: 14269382.2/9



Right In: 0.255+/-0.356 χ^2/NDF: 31.2/25

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

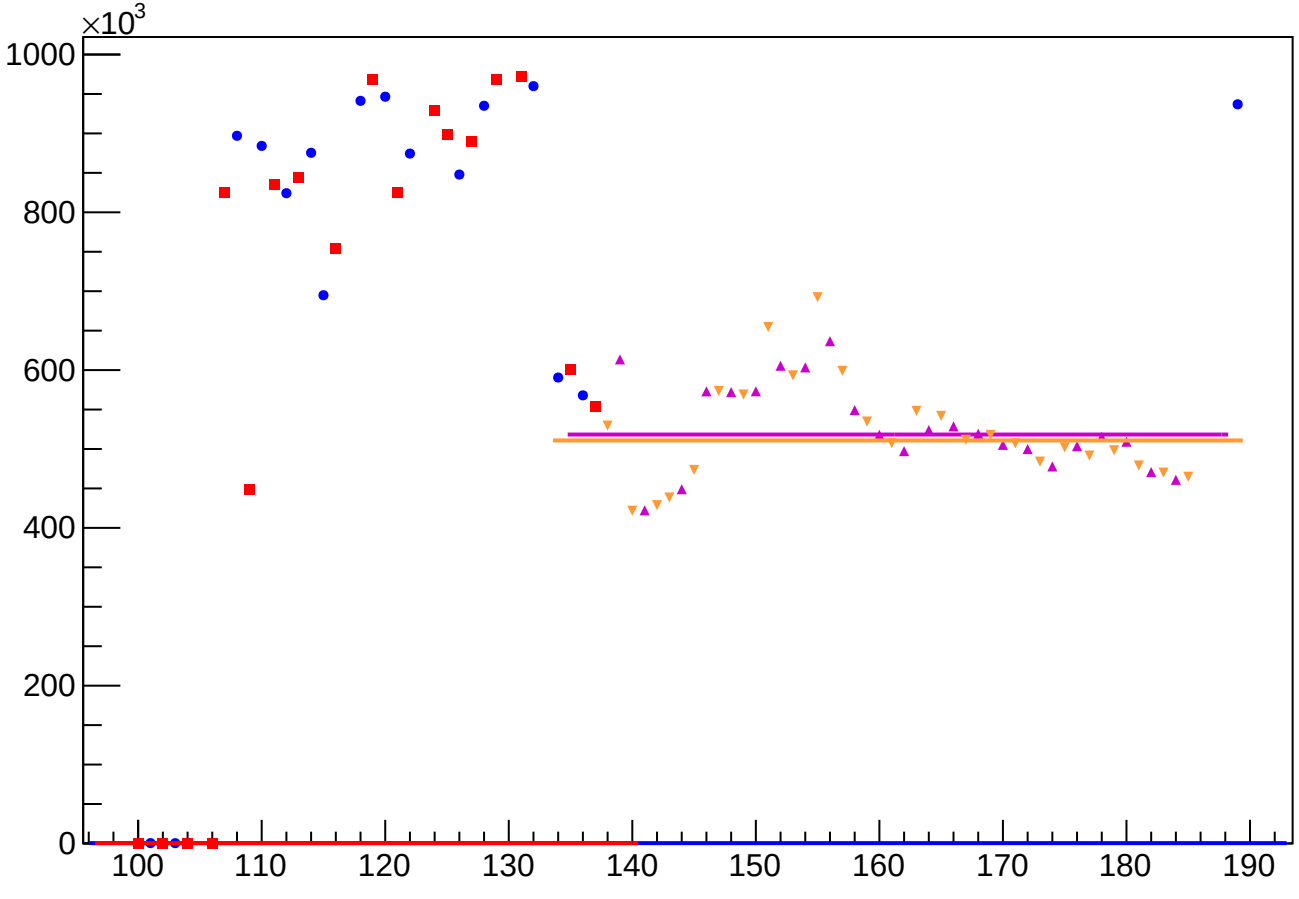
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 57.5/56

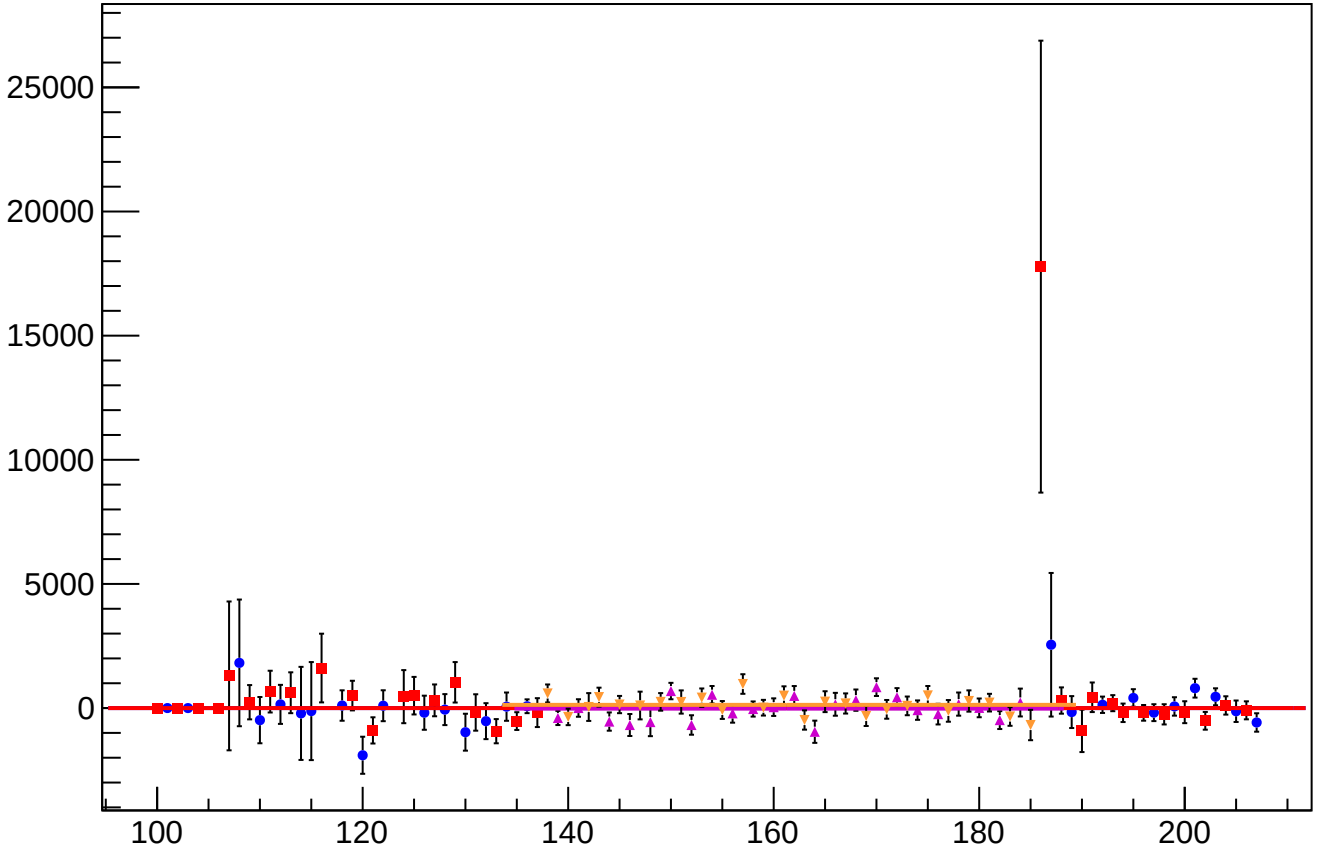
In: 0.255+/-0.356 χ^2/NDF:59.3/48

Out: -0.100+/-0.328 χ^2/NDF:108.2/55

All: 0.063+/-0.241 χ^2/NDF: 168.1/104


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: -0.020+/-0.347 χ^2/NDF: 21.9/25

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

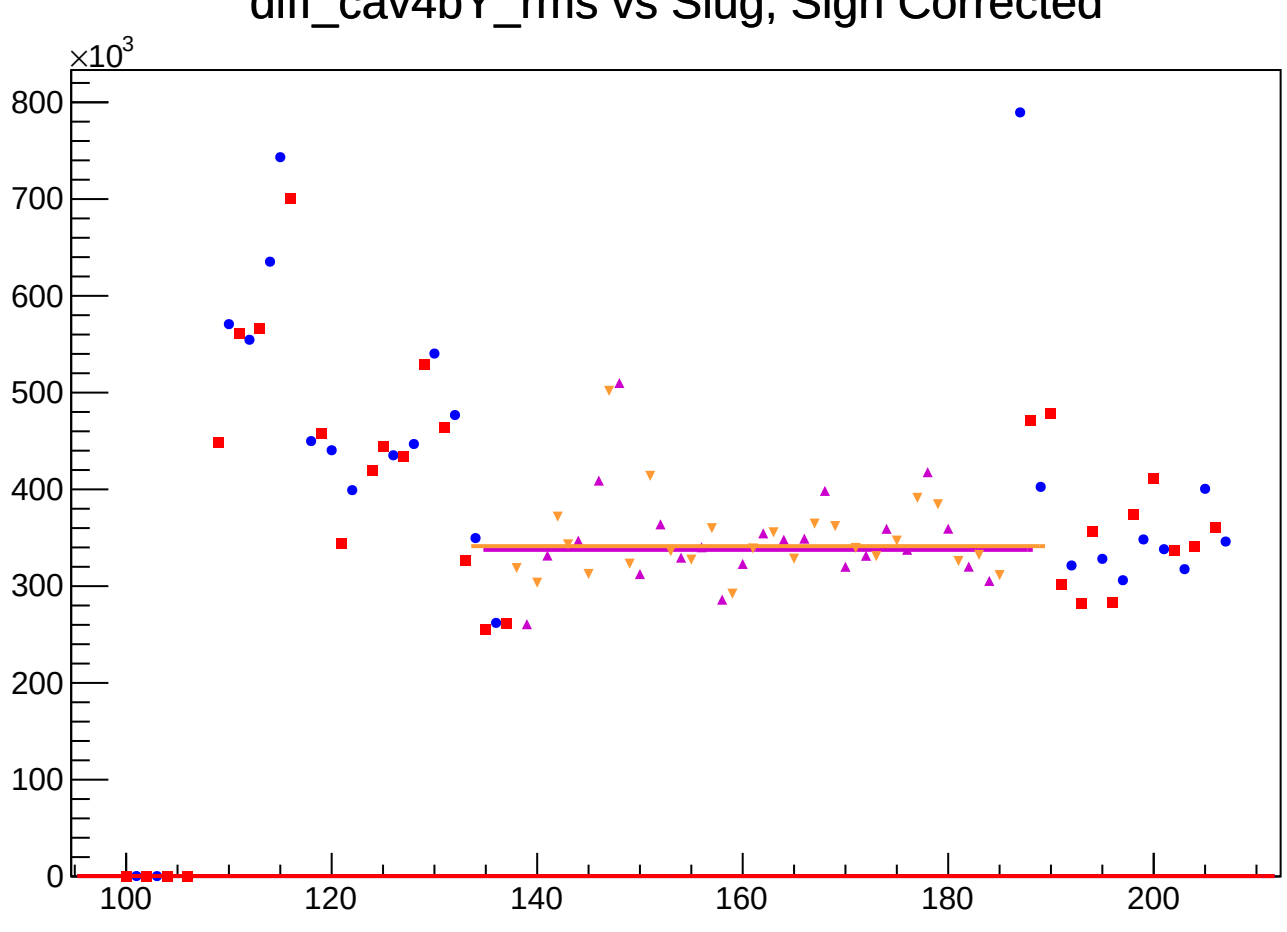
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.330+/-0.237 χ^2/NDF: 48.0/56

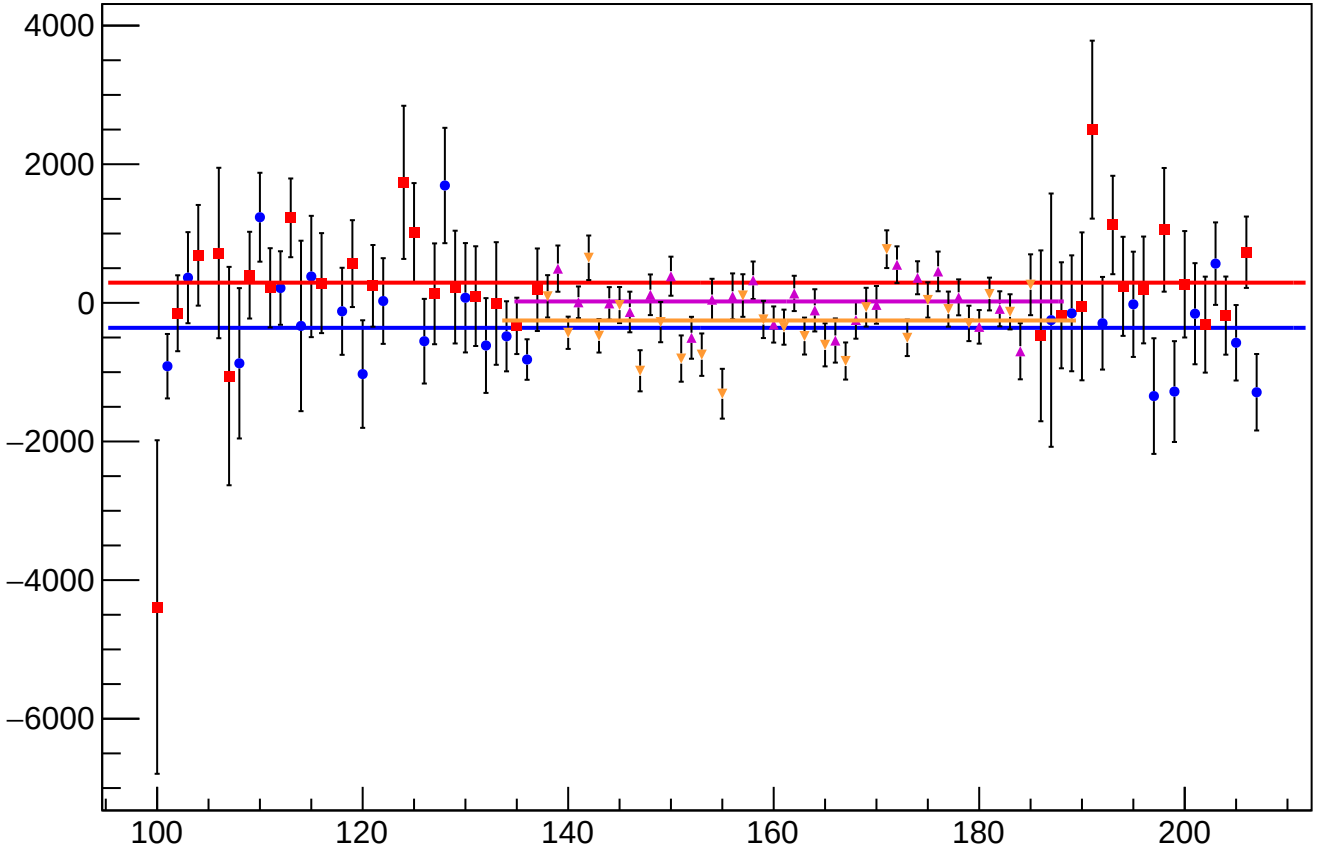
In: -0.020+/-0.347 χ^2/NDF:55.7/48

Out: -0.597+/-0.324 χ^2/NDF:47.4/55

All: -0.329+/-0.237 χ^2/NDF: 104.6/104


diff_cav4bY_rms vs Slug, Sign Corrected
×10^3
800
700
600
500
400
300
200
100
0
100
120
140
160
180
200
Right In: 392.862+/-0.245 χ²/NDF: 25698923.0/24
Left Out: 341327.149+/-55.330 χ²/NDF:403173.8/24
Right Out: 390.446+/-0.229 χ²/NDF: 27565880.7/28
Left In: 337505.654+/-56.407 χ²/NDF:600776.4/22
Left: 339453.220+/-39.500 χ²/NDF: 1006289.4/47
Right: 391.570+/-0.167 χ²/NDF: 53264855.4/53
In: 399.245+/-0.245 χ²/NDF:62016995.6/47
Out: 396.284+/-0.229 χ²/NDF:65936850.3/53
All: 397.661+/-0.167 χ²/NDF: 127953923.7/

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -360.491+/-122.683 χ^2/NDF: 30.1/25

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

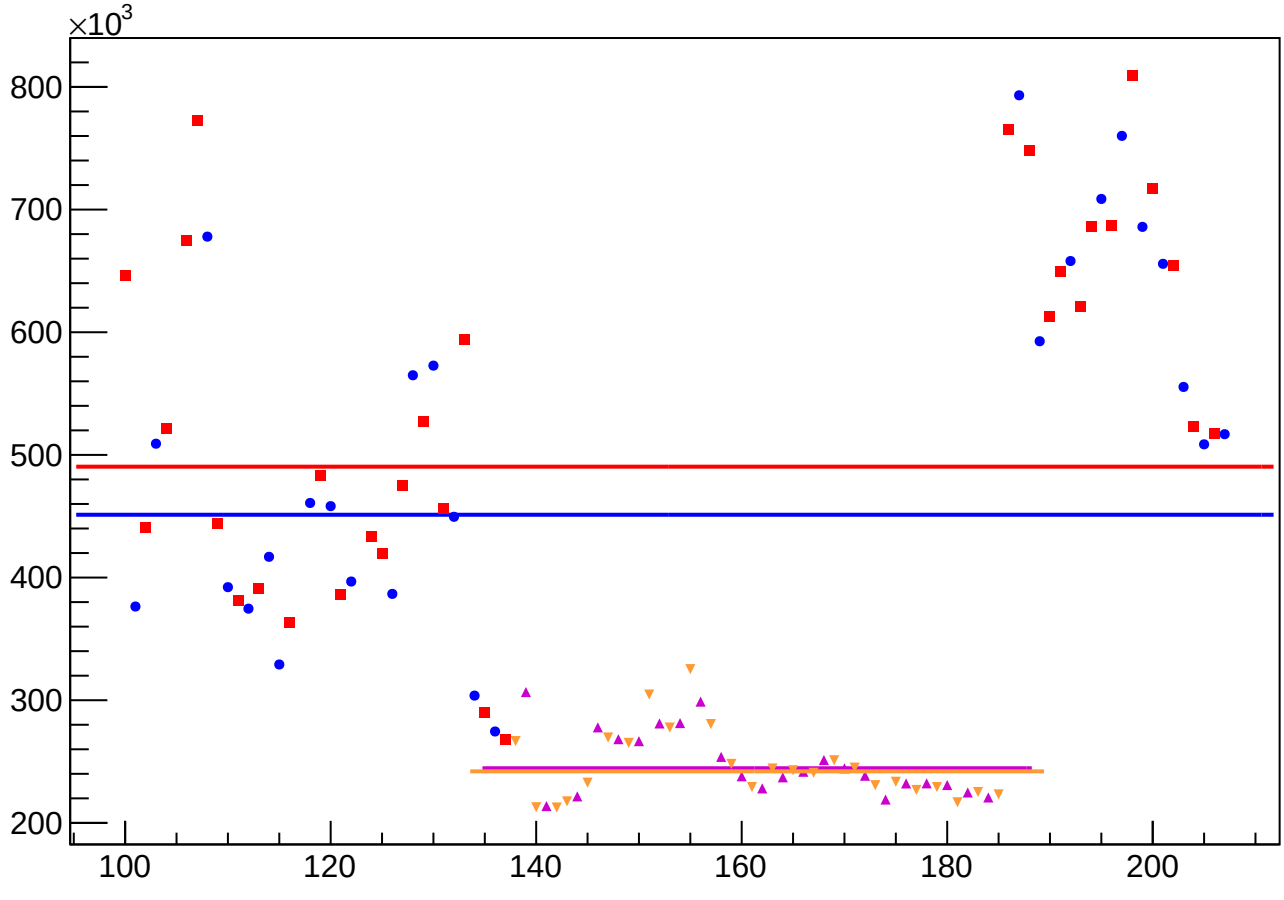
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -45.285+/-88.159 χ^2/NDF: 65.8/56

In: -48.353+/-52.053 χ^2/NDF:66.6/48

Out: -166.828+/-50.778 χ^2/NDF:98.9/55

All: -109.060+/-36.348 χ^2/NDF: 168.1/104



Right In: 451211.160+/-86.766 χ^2/NDF: 2576854.9/25

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

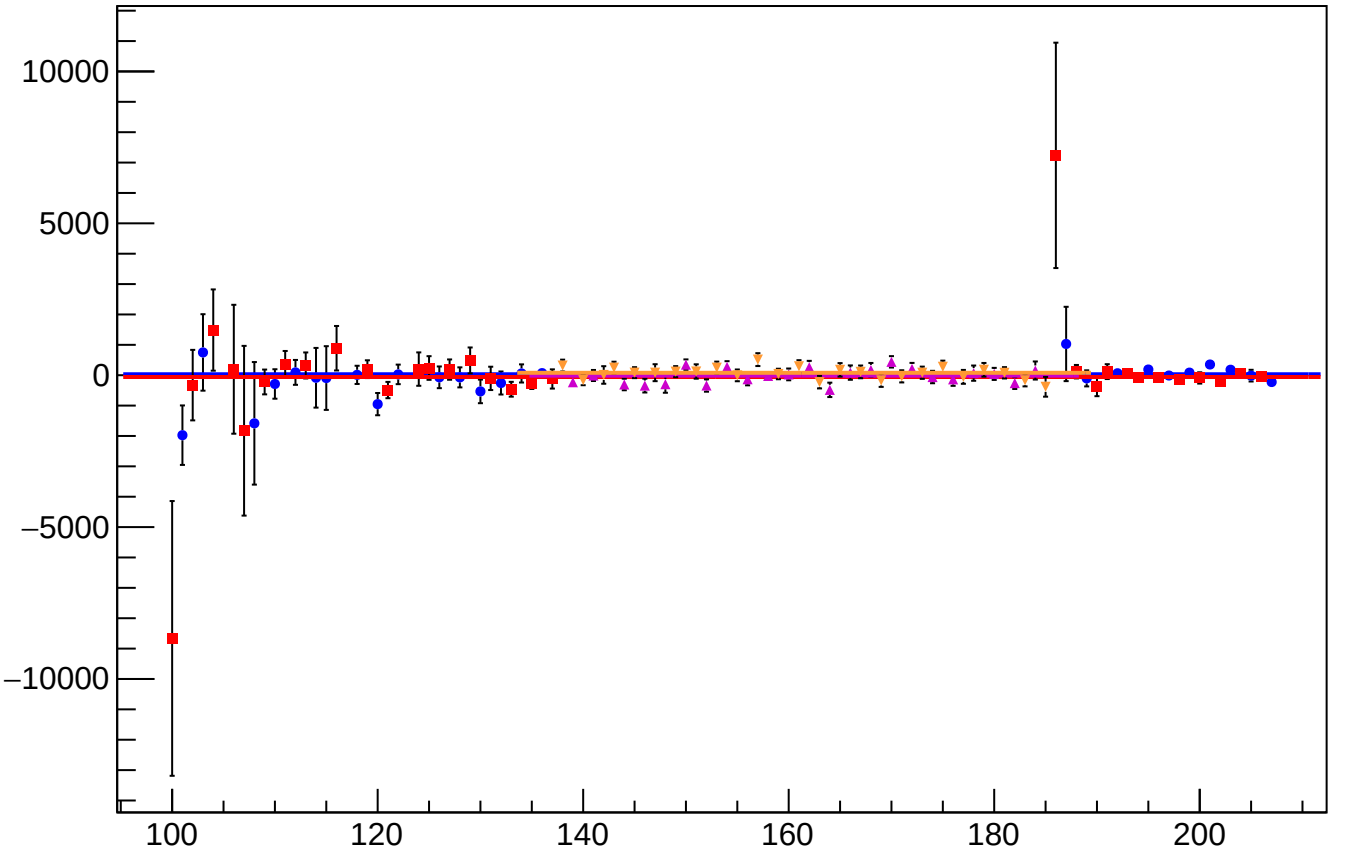
Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

Right: 470148.432+/-62.380 χ^2/NDF: 5175752.2/56

In: 281735.966+/-36.808 χ^2/NDF:7590783.6/48

Out: 281783.432+/-35.912 χ^2/NDF:9347727.9/55

All: 281760.284+/-25.705 χ^2/NDF: 1693851



Right In: 31.368+/-44.918 χ^2/NDF: 25.8/25

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

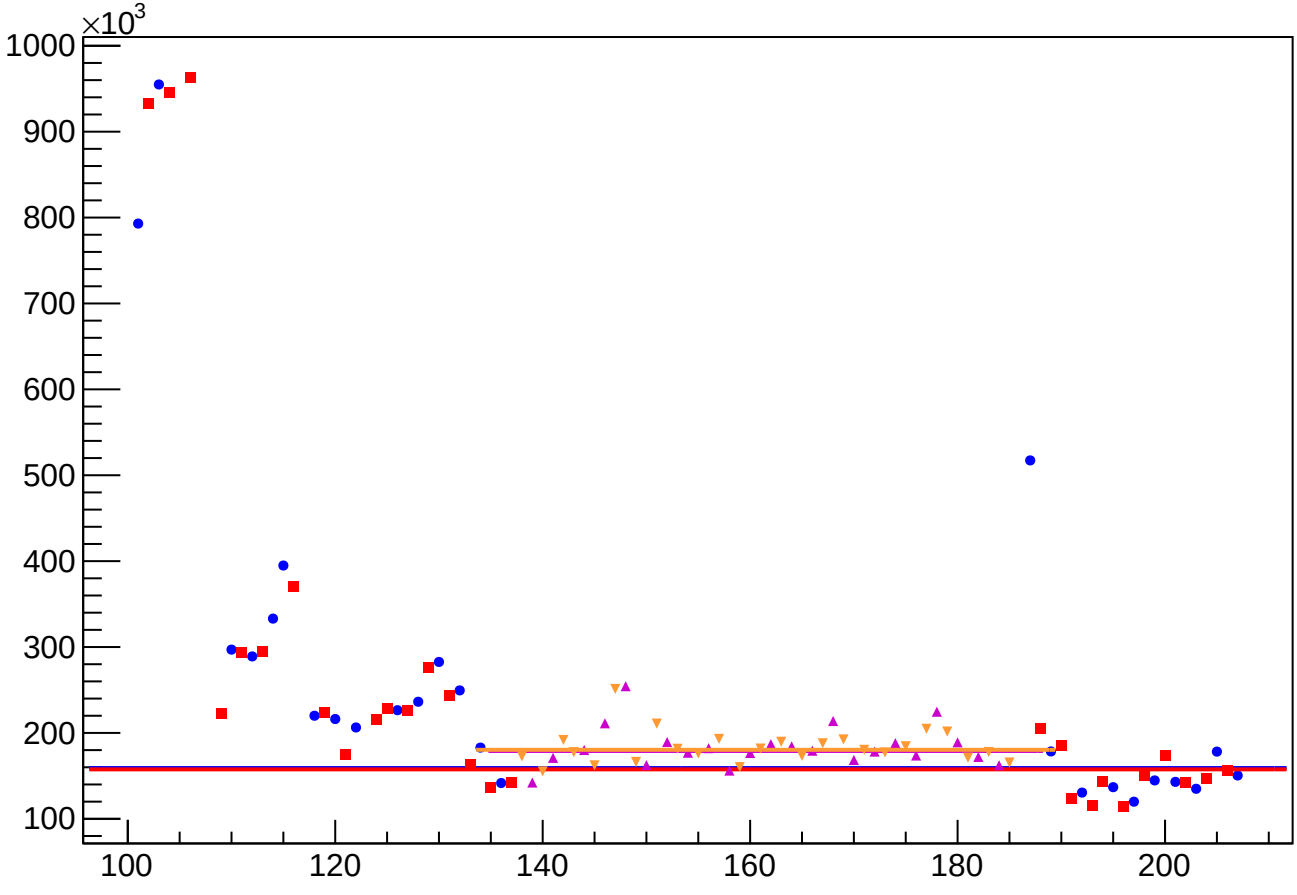
Right: -15.336+/-31.209 χ^2/NDF: 55.2/56

In: 7.271+/-30.769 χ^2/NDF:59.5/48

Out: 13.704+/-29.917 χ^2/NDF:52.5/55

All: 10.578+/-21.449 χ^2/NDF: 112.0/104

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 159094.411+/-31.776 χ^2/NDF: 3230613.1/24

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

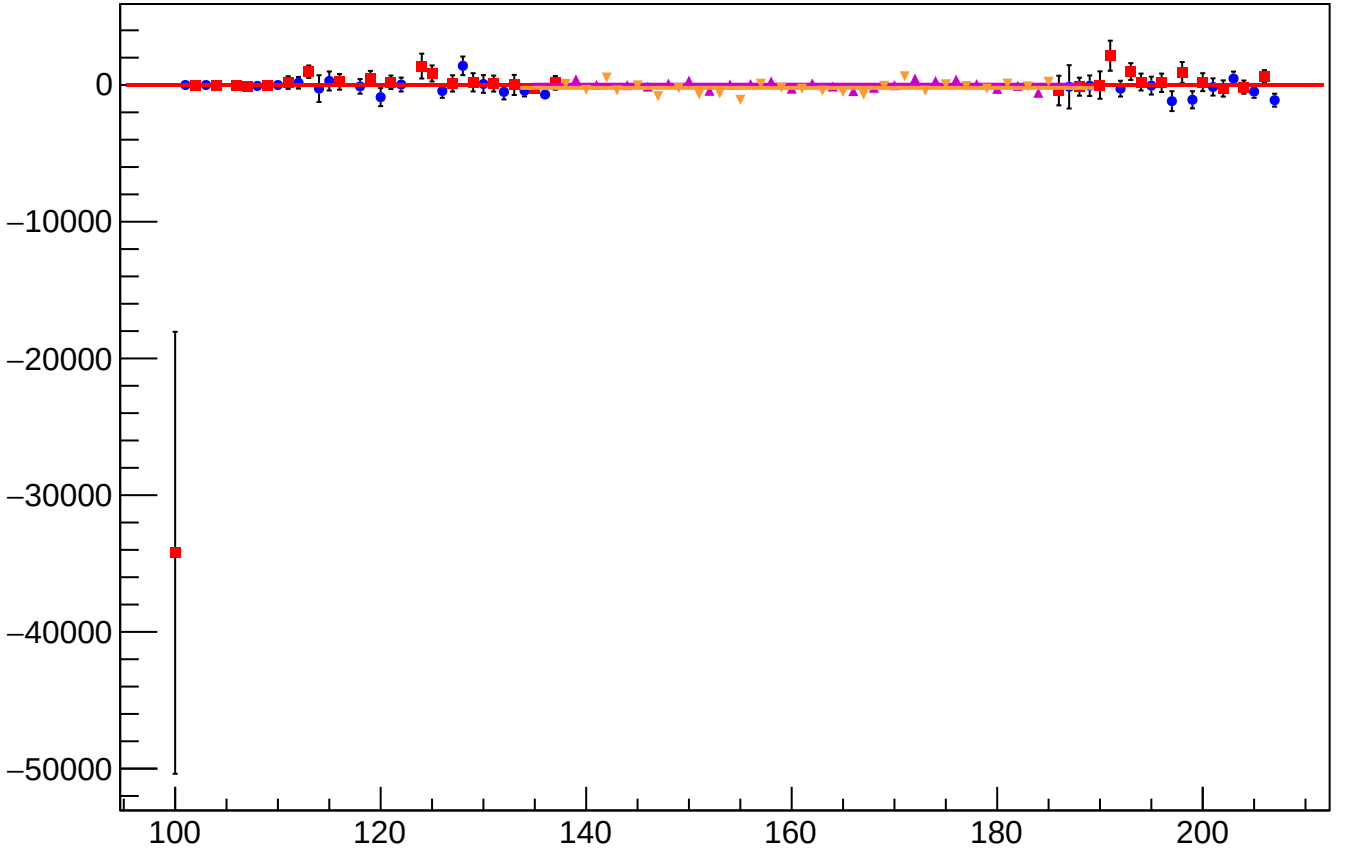
Right: 158313.665+/-22.081 χ^2/NDF: 6503535.9/52

In: 169677.187+/-21.761 χ^2/NDF:3940893.6/47

Out: 169533.632+/-21.161 χ^2/NDF:3906787.9/52

All: 169603.402+/-15.171 χ^2/NDF: 7847703.8

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 31.4/25

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

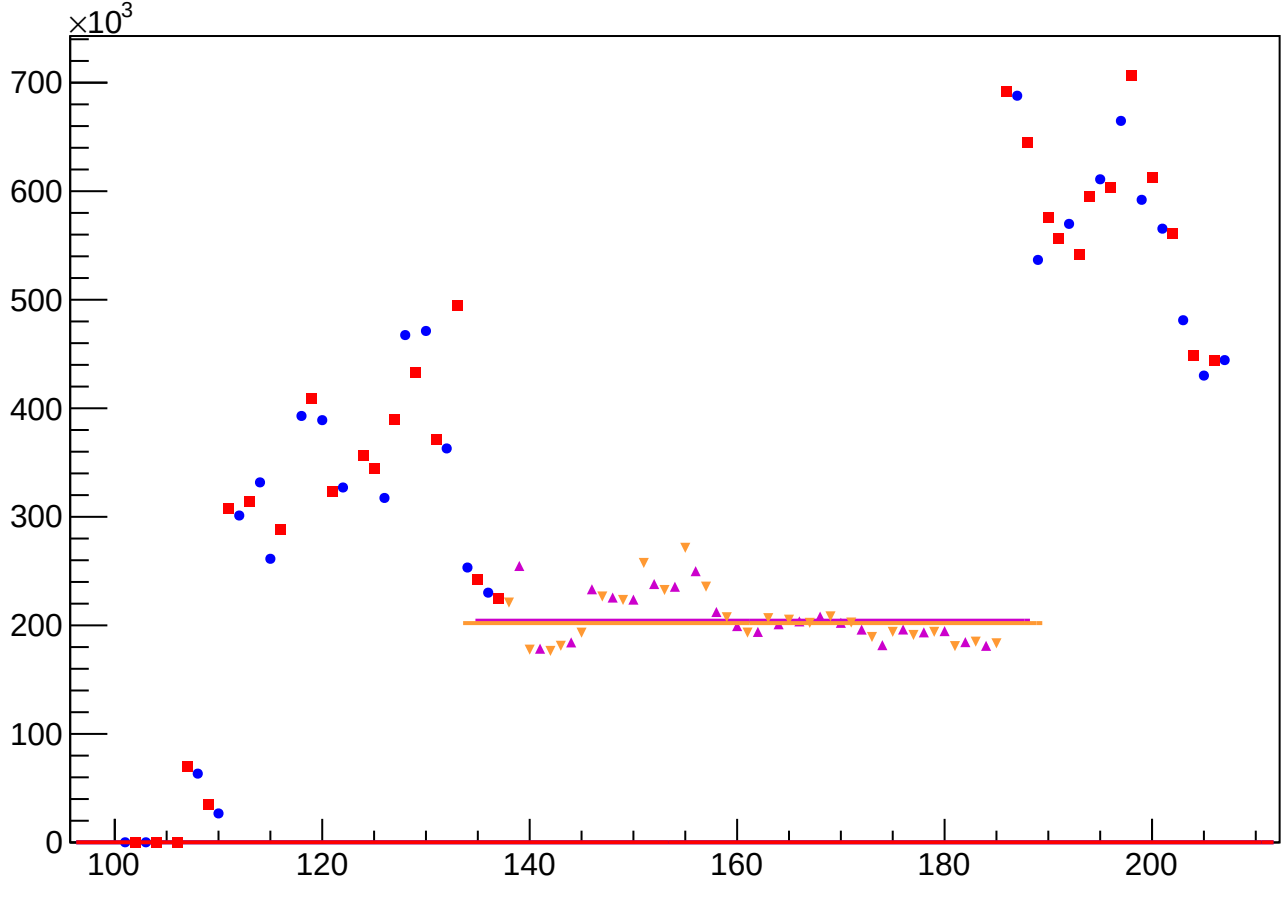
Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

Right: 0.174+/-0.117 χ^2/NDF: 61.1/56

In: -0.035+/-0.172 χ^2/NDF:60.1/48

Out: 0.353+/-0.160 χ^2/NDF:108.9/55

All: 0.173+/-0.117 χ^2/NDF: 171.7/104



Right In: 149.518+/-0.122 χ^2/NDF: 26681348.5/25

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

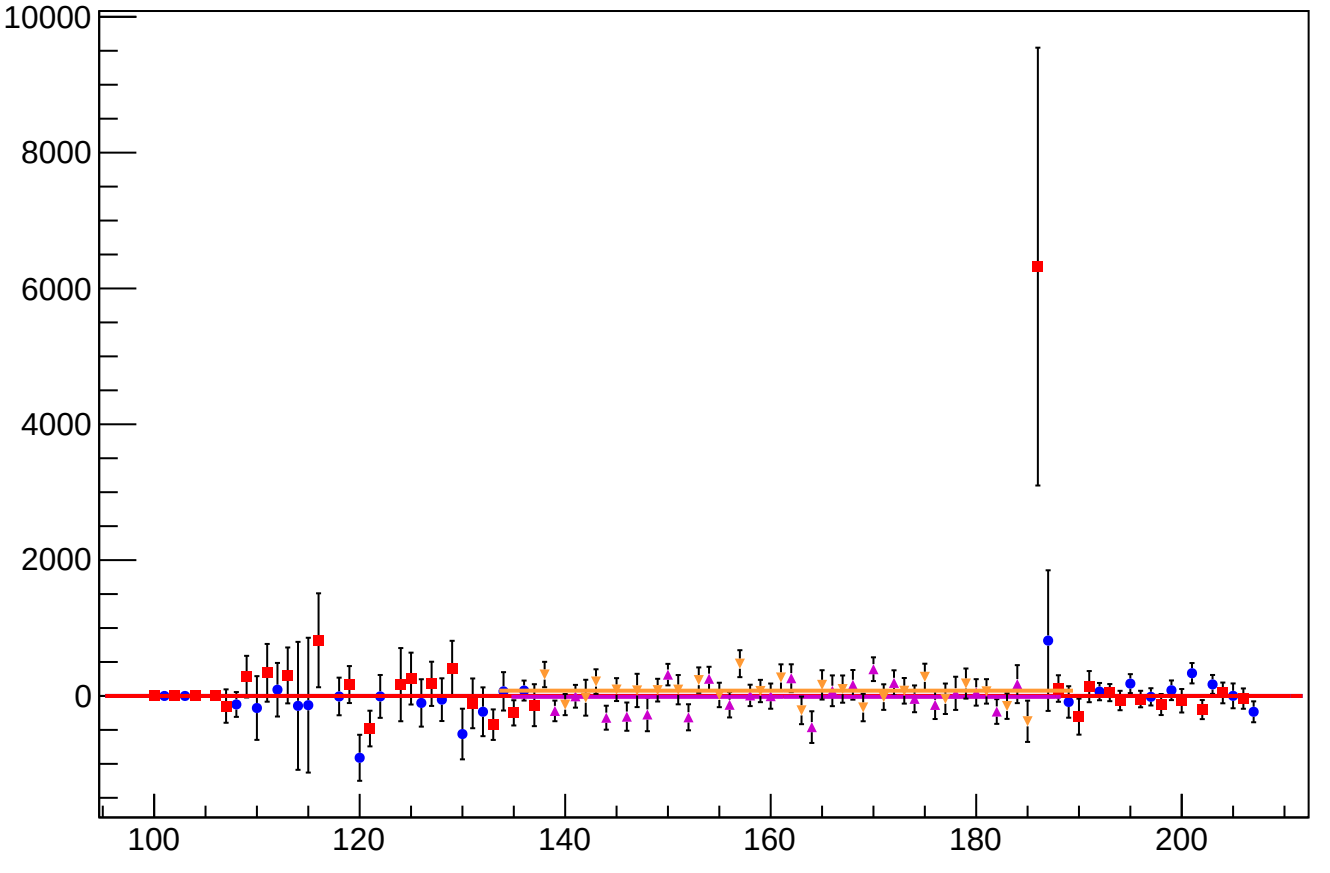
Right: 149.661+/-0.083 χ^2/NDF: 55801936.9/55

In: 152.143+/-0.122 χ^2/NDF:63184017.7/48

Out: 152.200+/-0.113 χ^2/NDF:67616270.4/54

All: 152.174+/-0.083 χ^2/NDF: 13080288.2/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 23.0/25

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

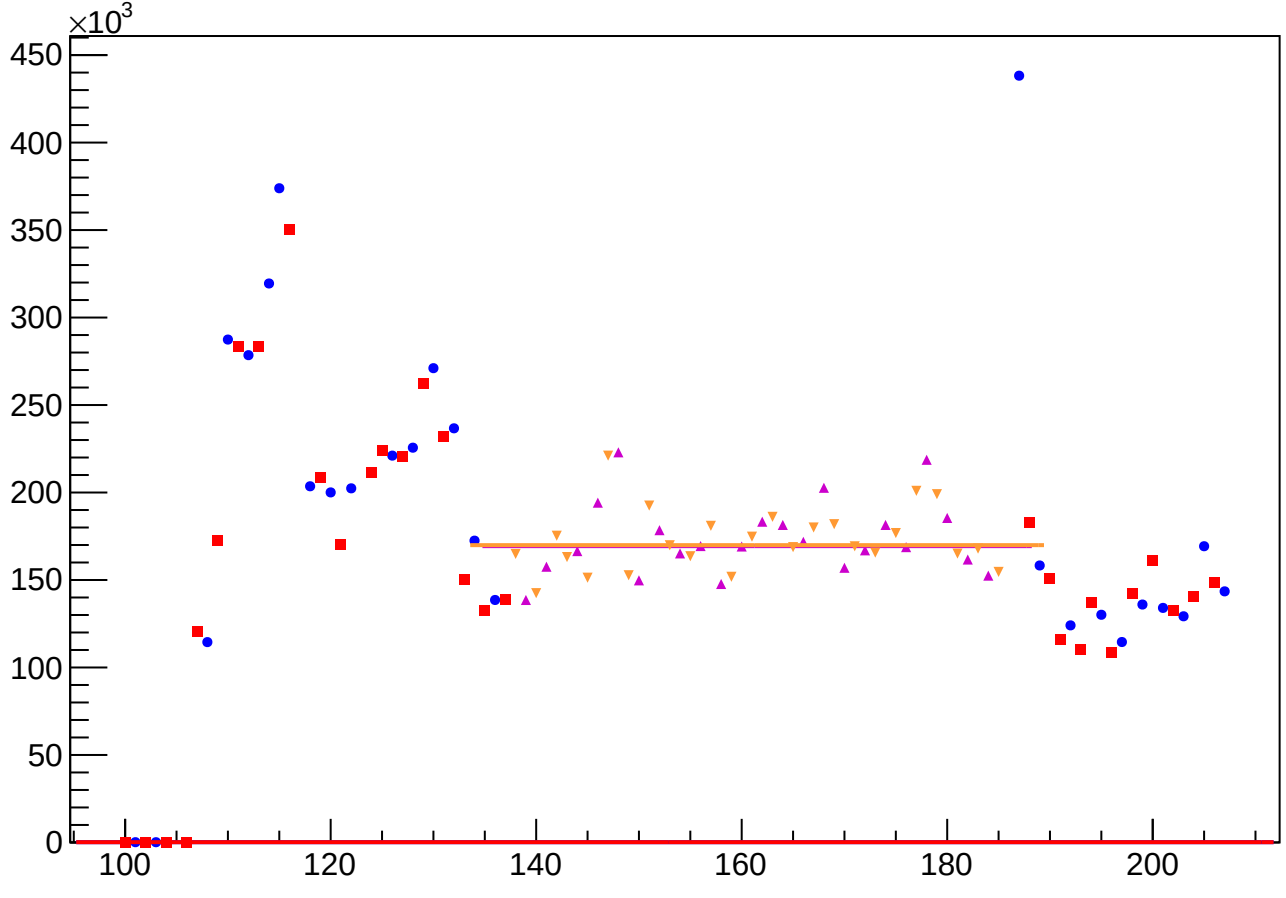
Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

Right: -0.099+/-0.121 χ^2/NDF: 47.7/56

In: -0.067+/-0.177 χ^2/NDF:55.8/48

Out: -0.125+/-0.166 χ^2/NDF:47.7/55

All: -0.098+/-0.121 χ^2/NDF: 103.6/104



Right In: 155.186+/-0.125 χ^2/NDF: 26964239.4/25

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

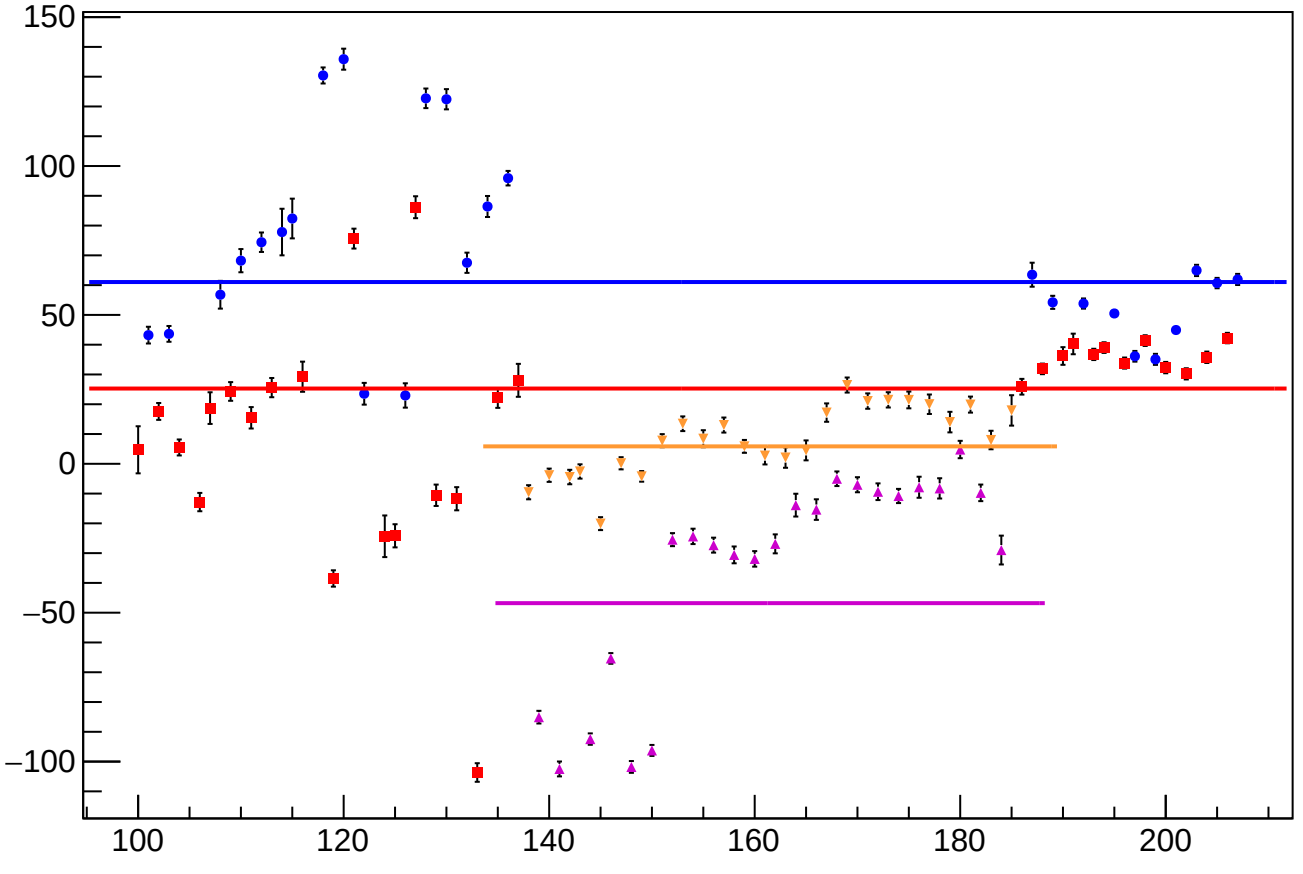
Right: 156.597+/-0.086 χ^2/NDF: 55006123.1/55

In: 158.520+/-0.125 χ^2/NDF:63349582.6/48

Out: 160.947+/-0.118 χ^2/NDF:66451902.9/54

All: 159.809+/-0.086 χ^2/NDF: 129801684.8/1

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 61.041+/-0.487 χ^2/NDF: 2915.5/25

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

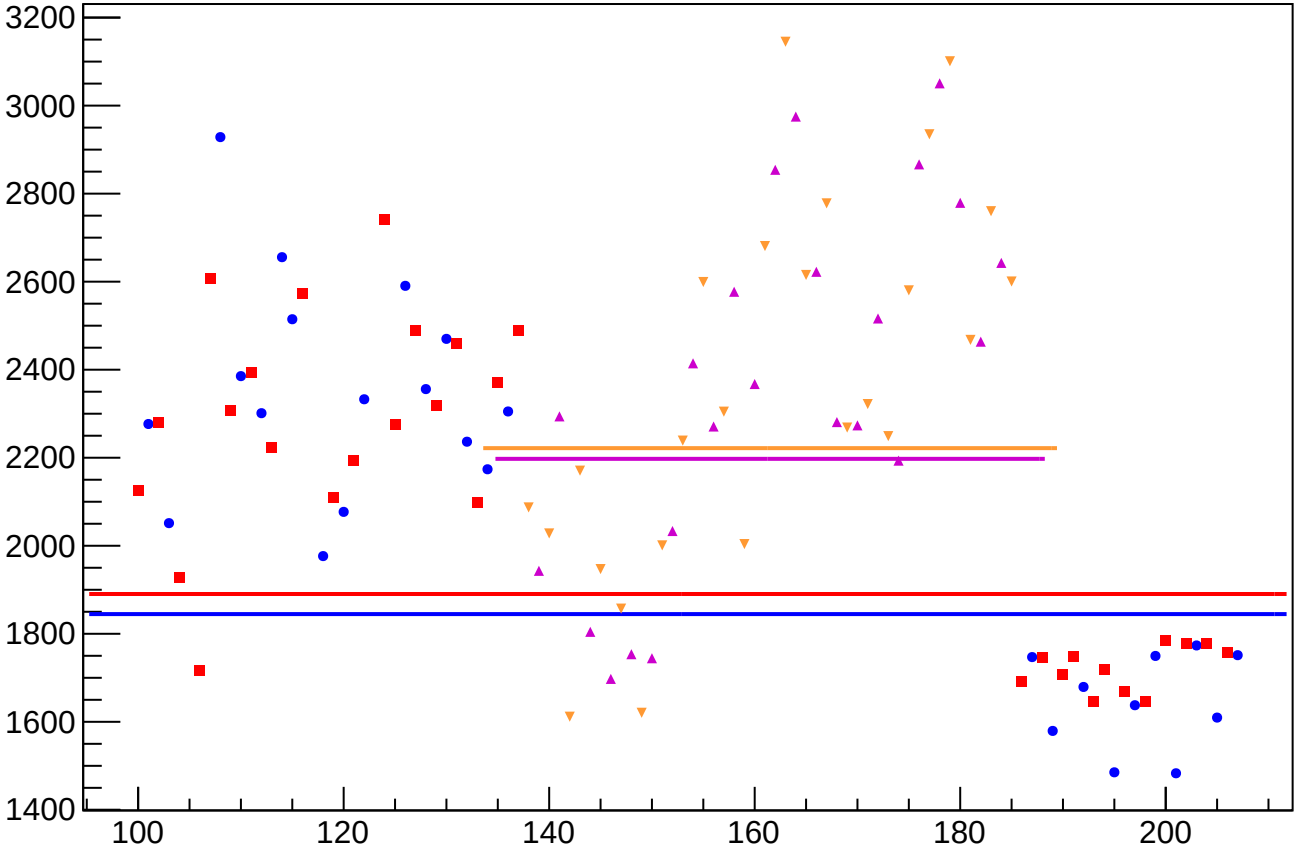
Right: 42.594+/-0.339 χ^2/NDF: 9467.0/56

In: 11.119+/-0.357 χ^2/NDF:30794.5/48

Out: 16.391+/-0.348 χ^2/NDF:5079.0/55

All: 13.825+/-0.249 χ^2/NDF: 35985.5/104

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1844.743+/-0.344 χ^2/NDF: 948946.6/25

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

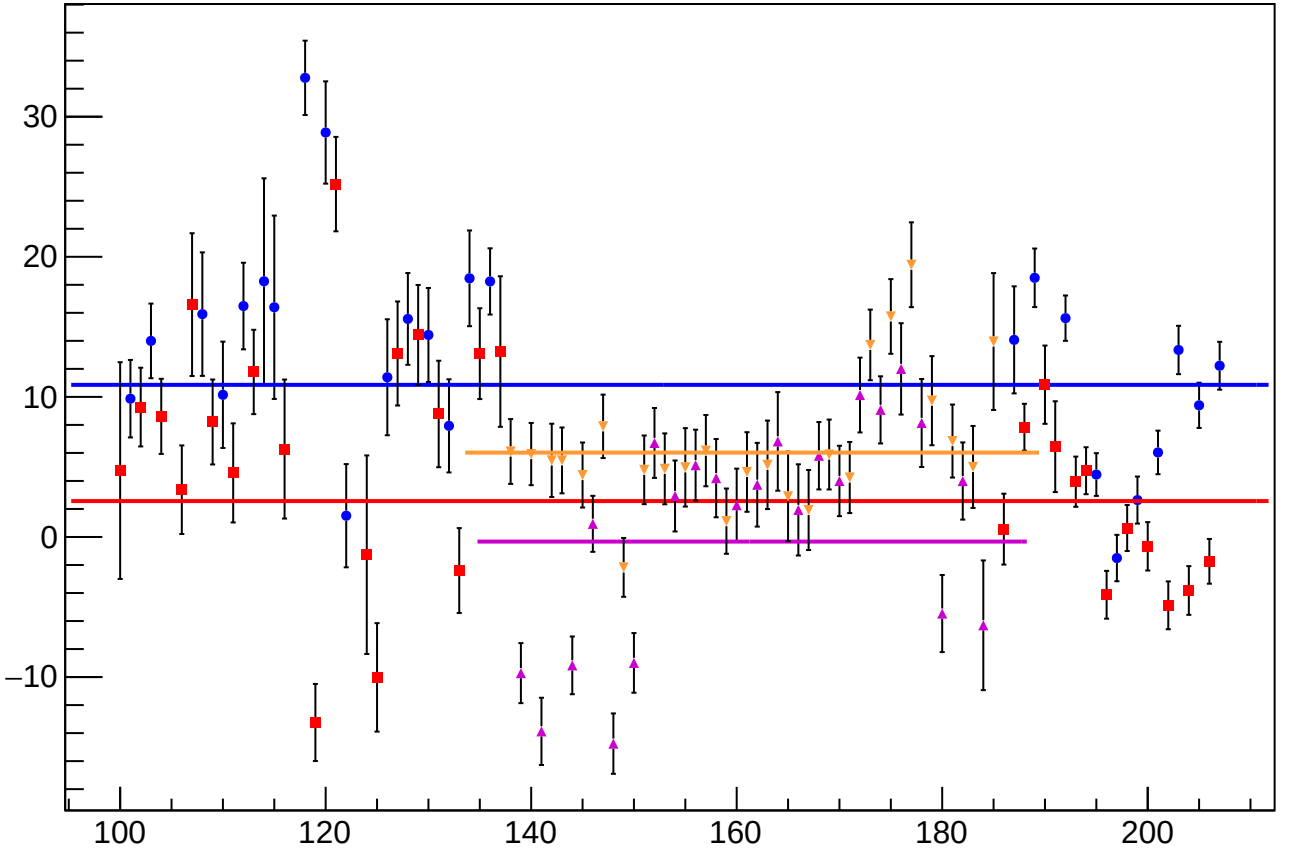
Right: 1868.286+/-0.240 χ^2/NDF: 1633349.9/56

In: 2008.034+/-0.252 χ^2/NDF:2539427.0/48

Out: 2041.939+/-0.246 χ^2/NDF:2310536.8/55

All: 2025.433+/-0.176 χ^2/NDF: 4859228.3/10

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 10.860+/-0.460 χ^2/NDF: 258.9/25

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

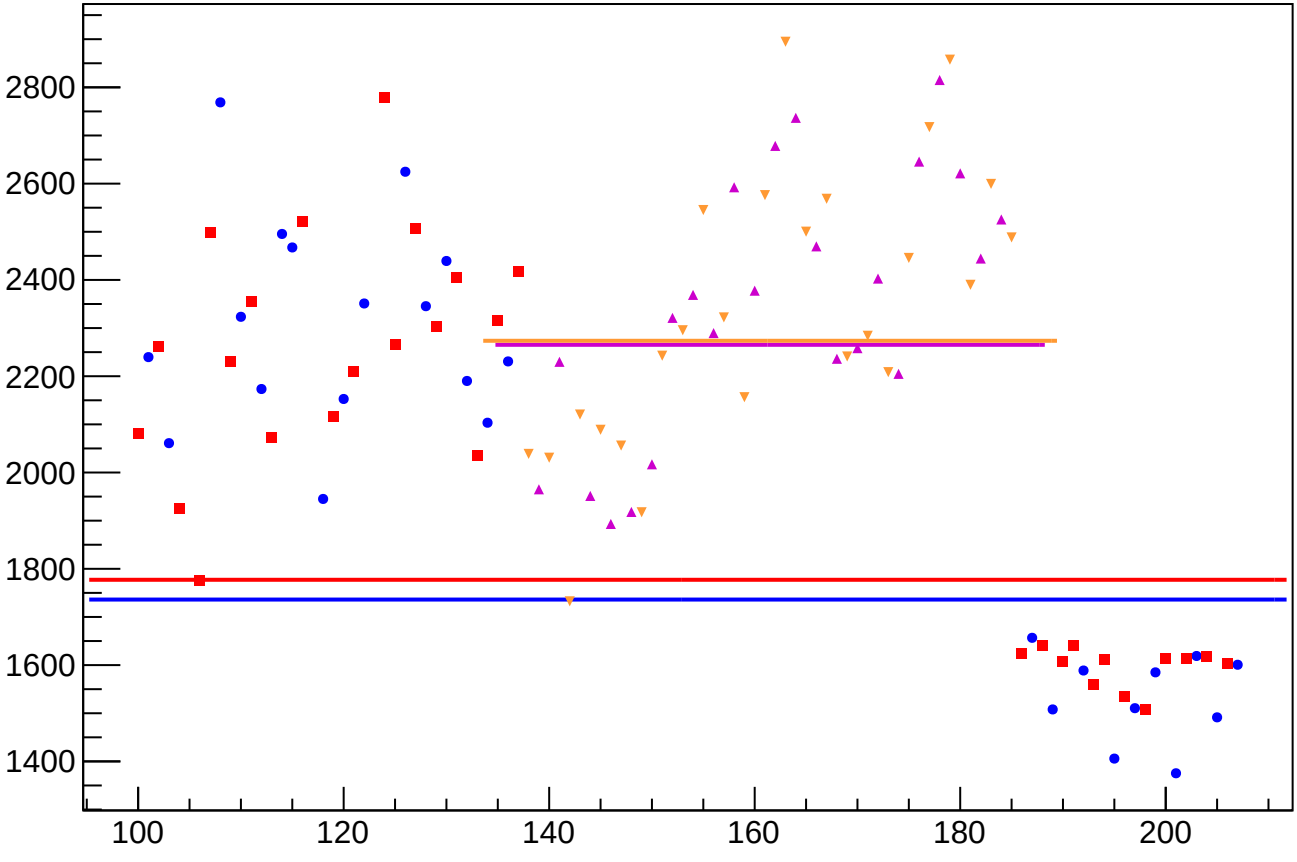
Right: 6.577+/-0.320 χ^2/NDF: 670.1/56

In: 6.103+/-0.349 χ^2/NDF:735.6/48

Out: 4.023+/-0.338 χ^2/NDF:340.4/55

All: 5.032+/-0.243 χ^2/NDF: 1094.3/104

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1736.142+/-0.325 χ^2/NDF: 1195191.0/25

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

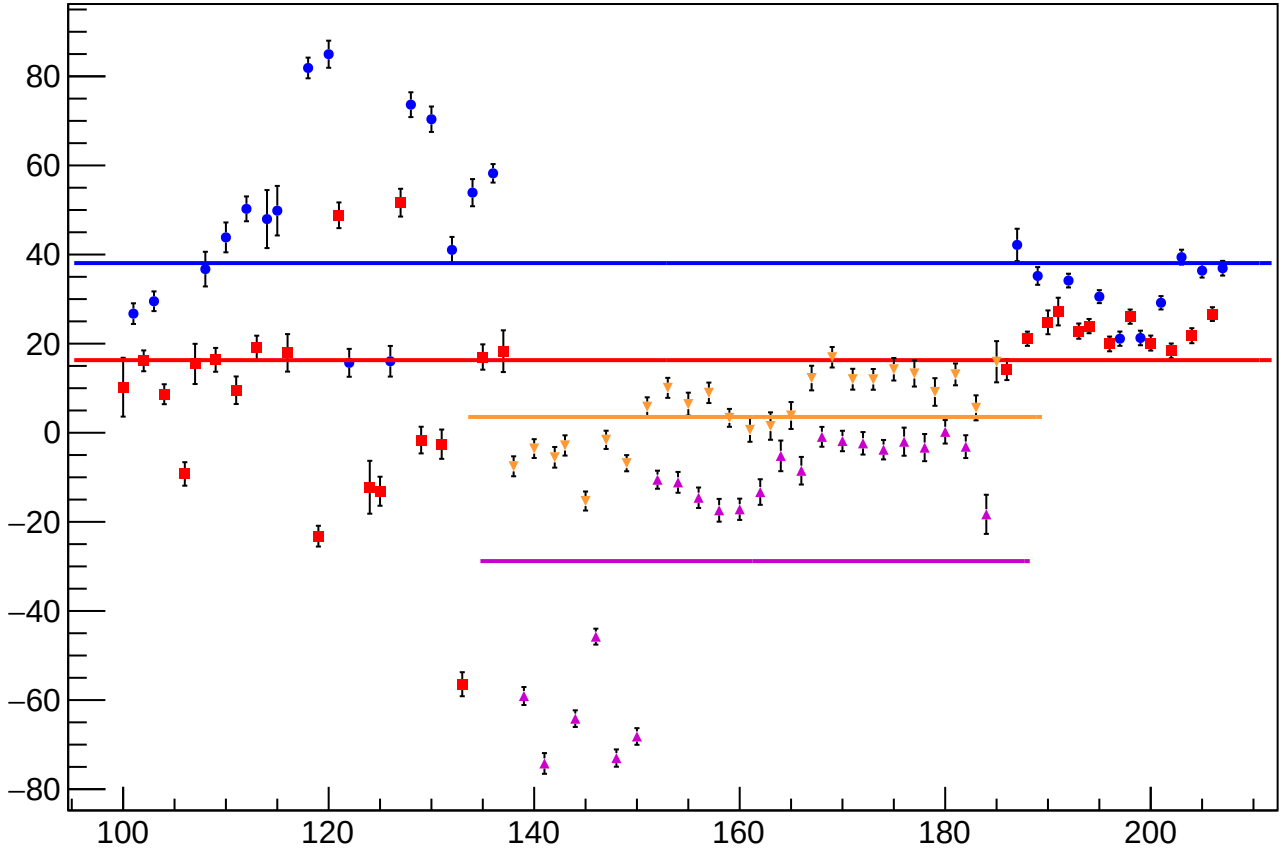
Right: 1757.341+/-0.226 χ^2/NDF: 2134409.7/56

In: 1961.122+/-0.246 χ^2/NDF:2817237.6/48

Out: 1986.740+/-0.239 χ^2/NDF:2517777.9/55

All: 1974.311+/-0.172 χ^2/NDF: 5340576.8/10

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.081+/-0.427 χ^2/NDF: 1456.6/25

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

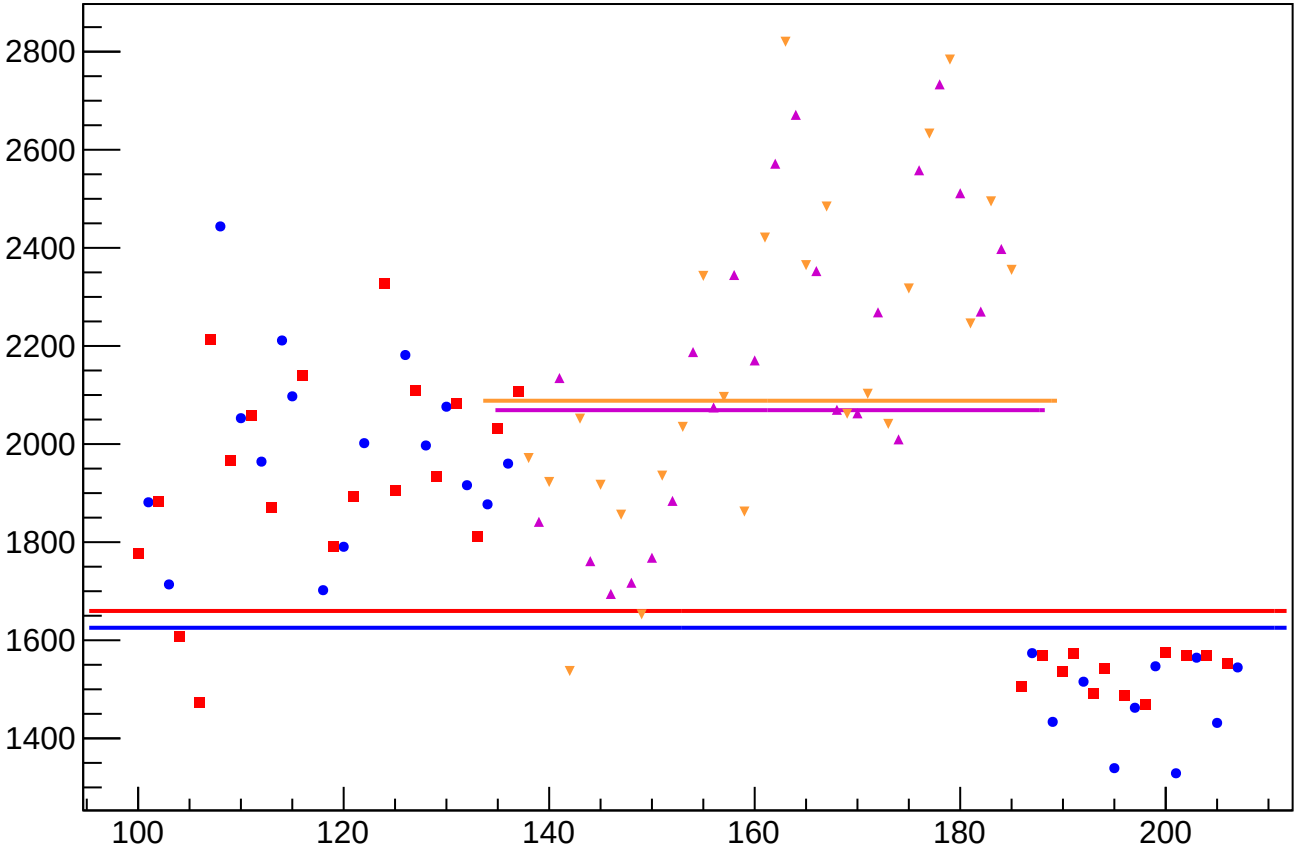
Right: 26.825+/-0.297 χ^2/NDF: 4530.8/56

In: 9.267+/-0.322 χ^2/NDF:15287.6/48

Out: 10.877+/-0.313 χ^2/NDF:2454.9/55

All: 10.095+/-0.225 χ^2/NDF: 17755.4/104

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1625.485+/-0.302 χ^2/NDF: 716620.0/25

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

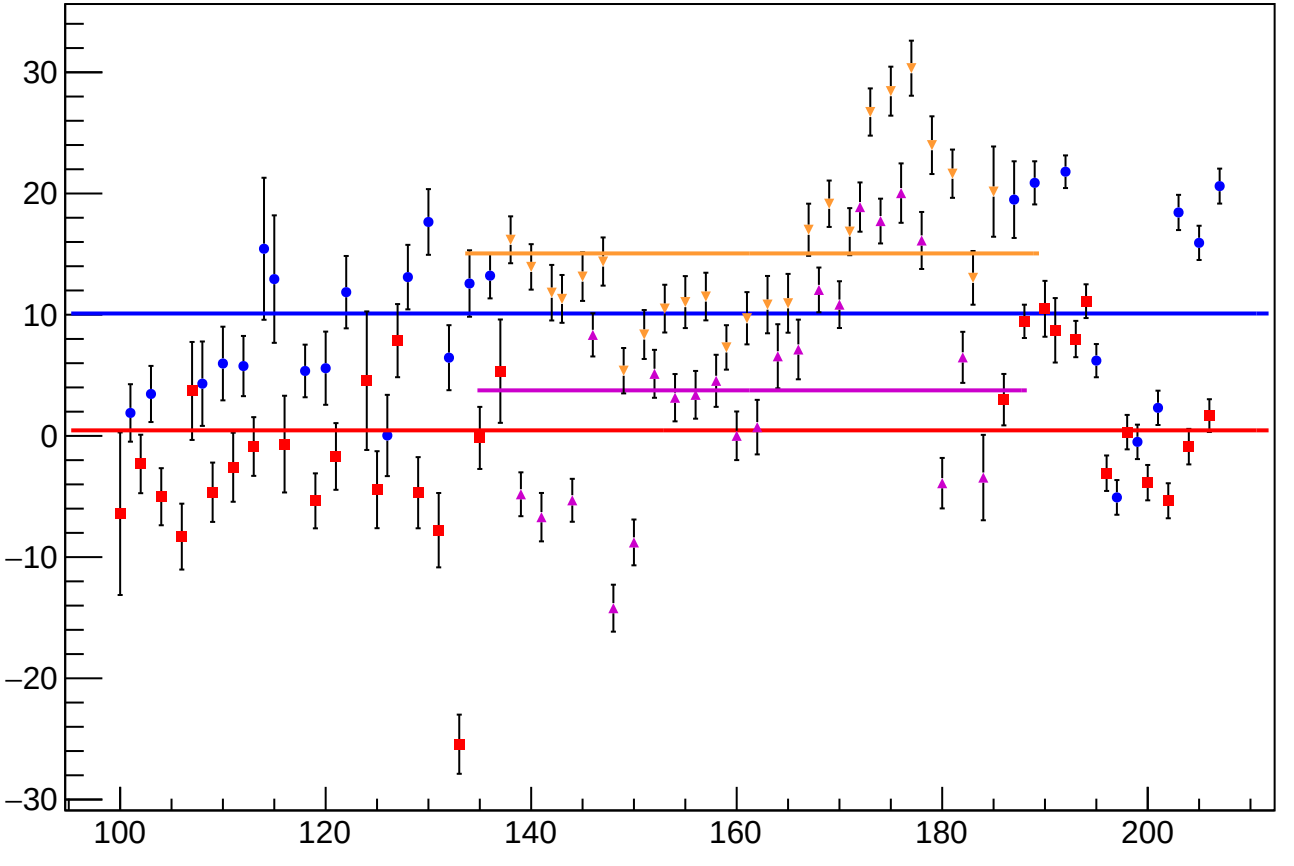
Right: 1643.193+/-0.210 χ^2/NDF: 1215538.5/56

In: 1816.603+/-0.228 χ^2/NDF:2357996.1/48

Out: 1841.947+/-0.221 χ^2/NDF:2195390.0/55

All: 1829.636+/-0.159 χ^2/NDF: 4559750.8/10

diff_bpm0i01aY_mean vs Slug, Sign Corrected



Right In: 10.100+/-0.390 χ^2/NDF: 489.9/25

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

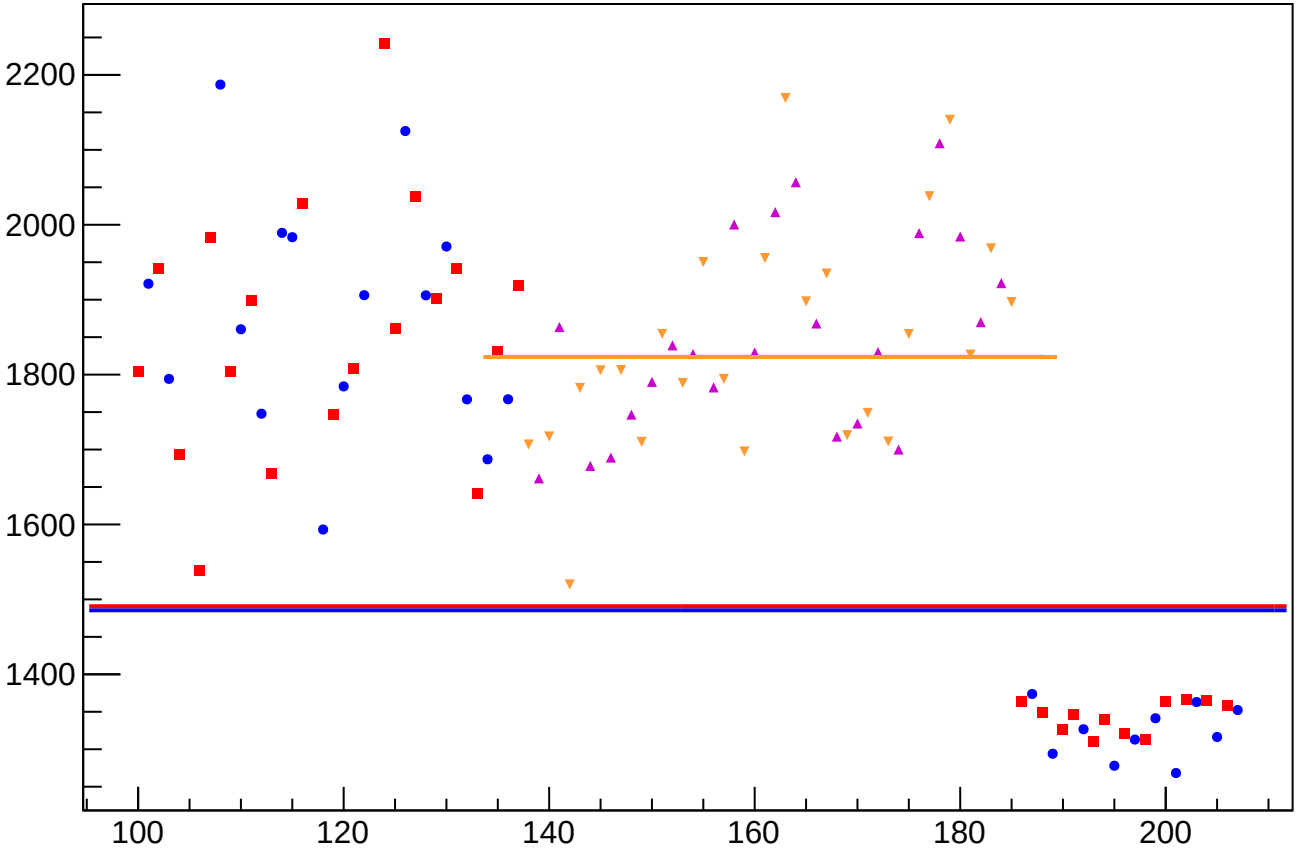
Right: 5.053+/-0.269 χ^2/NDF: 1164.0/56

In: 7.222+/-0.288 χ^2/NDF:1069.0/48

Out: 6.951+/-0.277 χ^2/NDF:1285.1/55

All: 7.081+/-0.200 χ^2/NDF: 2354.5/104

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1485.465+/-0.276 χ^2/NDF: 854903.4/25

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

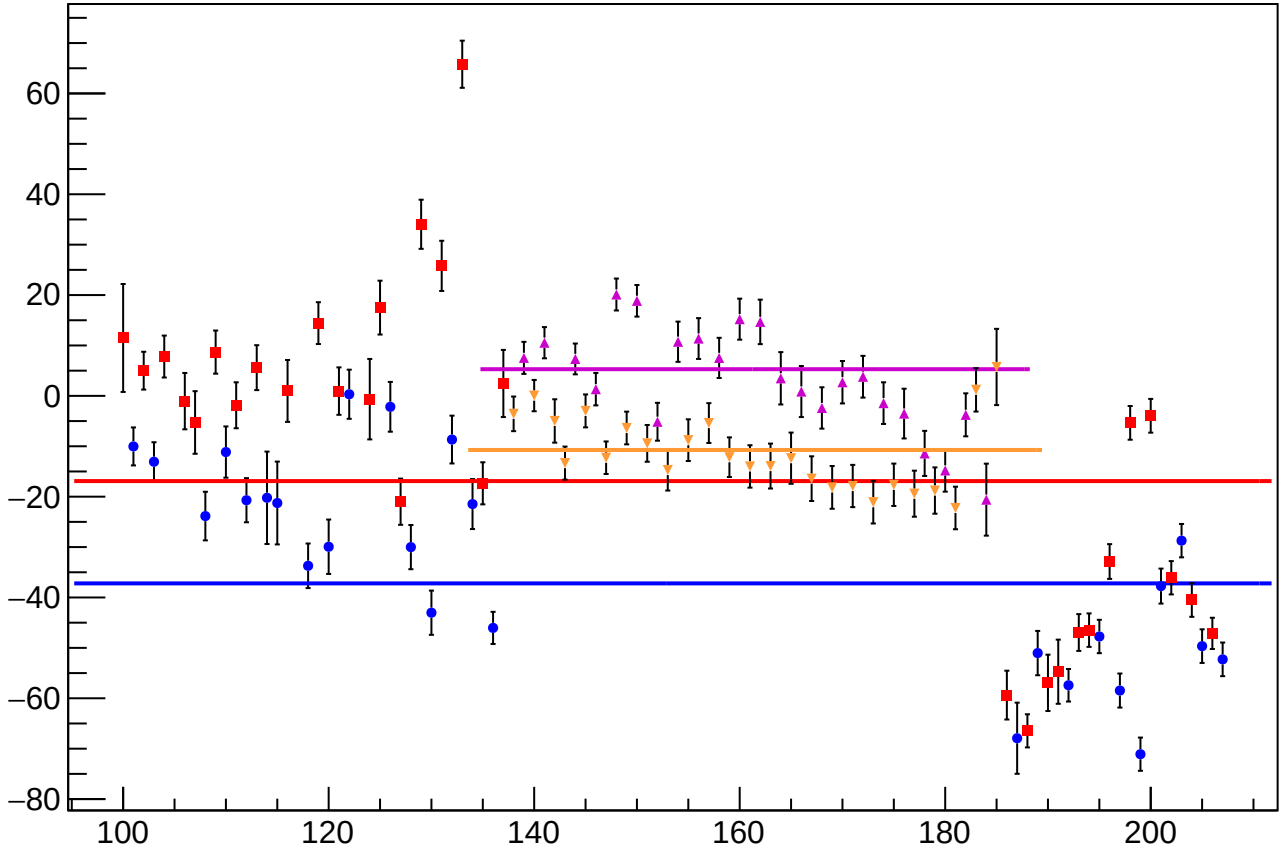
Right: 1488.298+/-0.190 χ^2/NDF: 1639298.6/56

In: 1638.912+/-0.204 χ^2/NDF:1701221.4/48

Out: 1638.787+/-0.196 χ^2/NDF:1706301.6/55

All: 1638.847+/-0.141 χ^2/NDF: 3407523.2/10

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -37.204+/-0.804 χ^2/NDF: 580.9/25

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

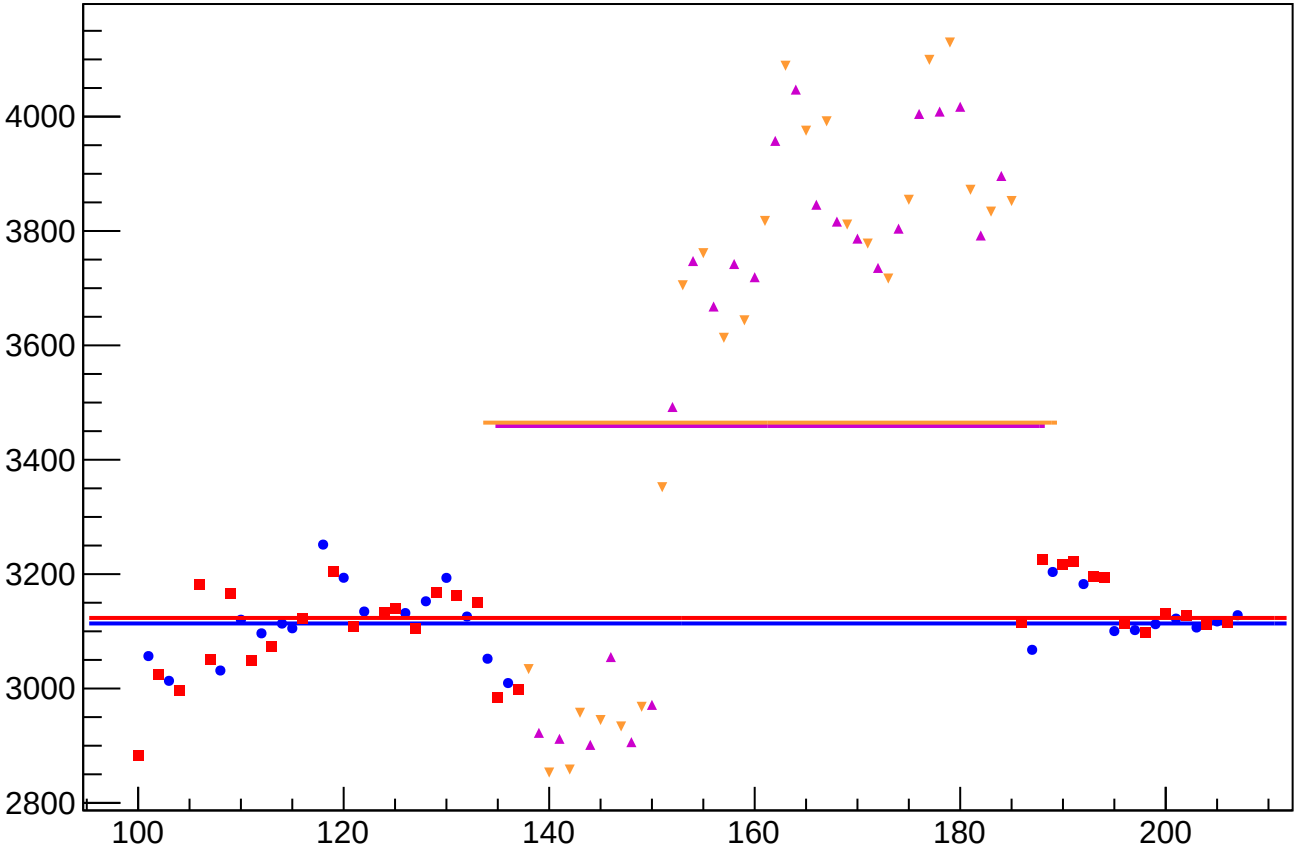
Right: -26.603+/-0.556 χ^2/NDF: 2468.9/56

In: -16.222+/-0.572 χ^2/NDF:2093.1/48

Out: -13.916+/-0.552 χ^2/NDF:1660.2/55

All: -15.029+/-0.397 χ^2/NDF: 3761.8/104

diff_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 3113.758+/-0.569 χ^2/NDF: 10091.7/25

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

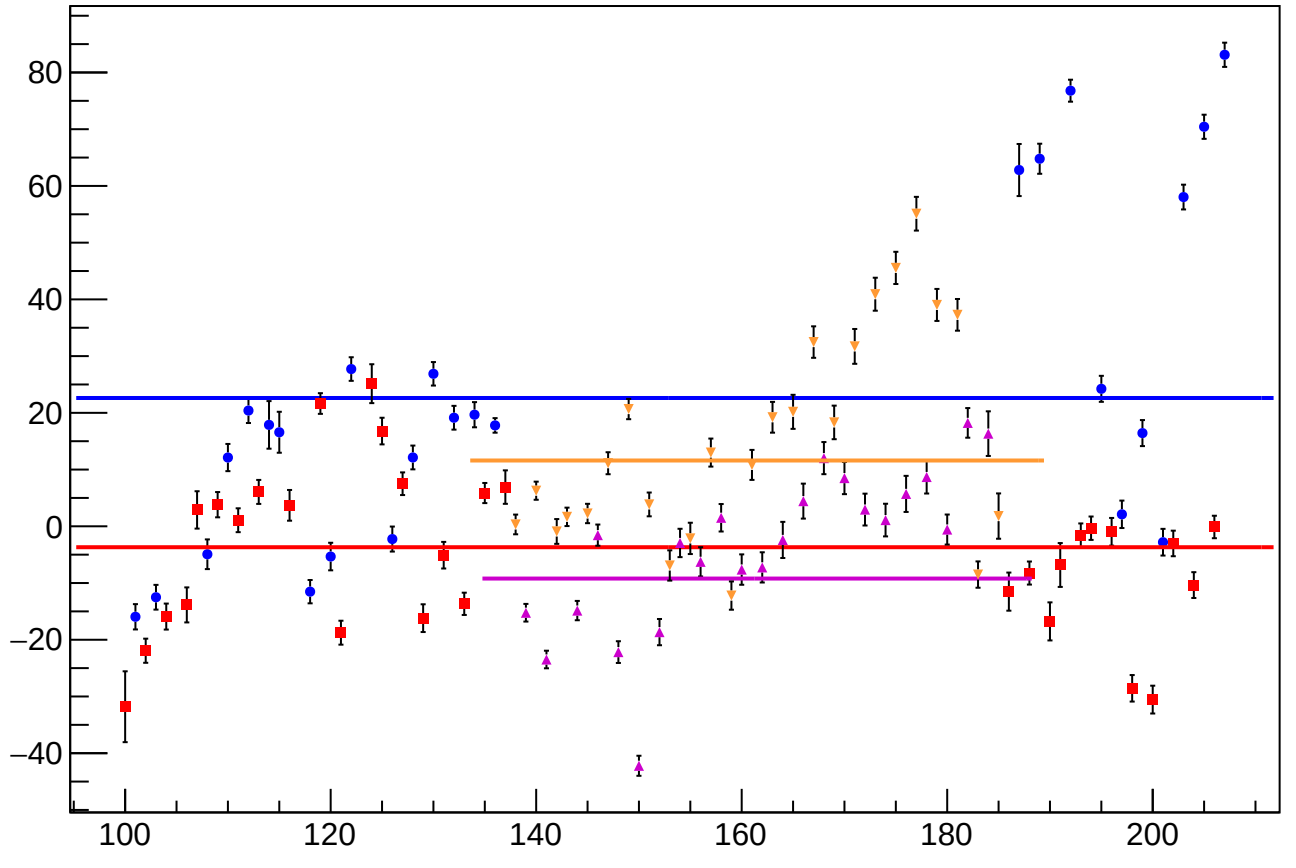
Left: 3462.053+/-0.402 χ^2/NDF: 1227385.7/47

Right: 3118.794+/-0.393 χ^2/NDF: 24935.4/56

In: 3284.246+/-0.405 χ^2/NDF:775450.4/48

Out: 3288.761+/-0.391 χ^2/NDF:849641.9/55

All: 3286.583+/-0.281 χ^2/NDF: 1625156.8/10



Right In: 22.618+/-0.436 χ^2/NDF: 4161.5/25

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

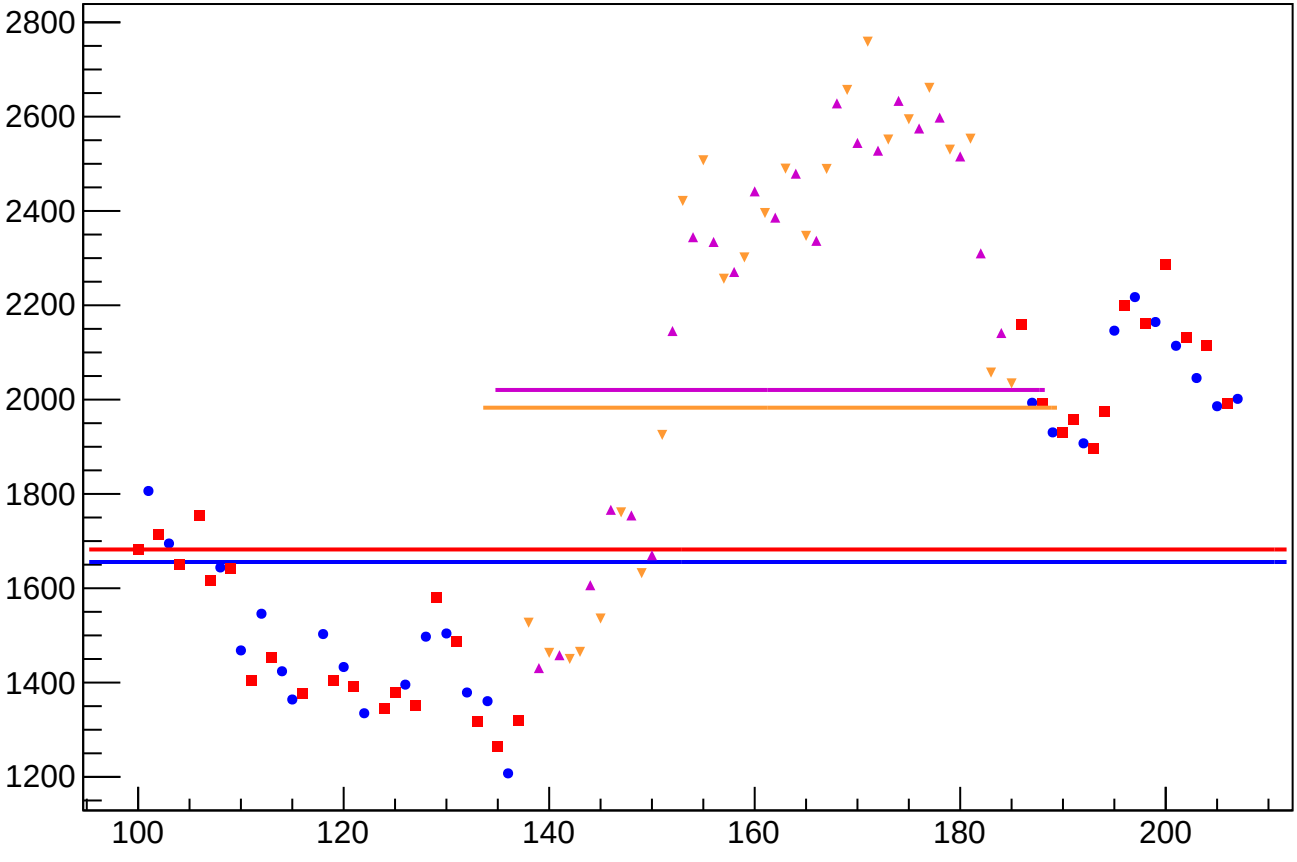
Right: 9.039+/-0.304 χ^2/NDF: 7012.4/56

In: 8.339+/-0.324 χ^2/NDF:7488.9/48

Out: 3.250+/-0.312 χ^2/NDF:2766.3/55

All: 5.700+/-0.225 χ^2/NDF: 10383.1/104

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1655.678+/-0.309 χ^2/NDF: 1089896.0/25

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

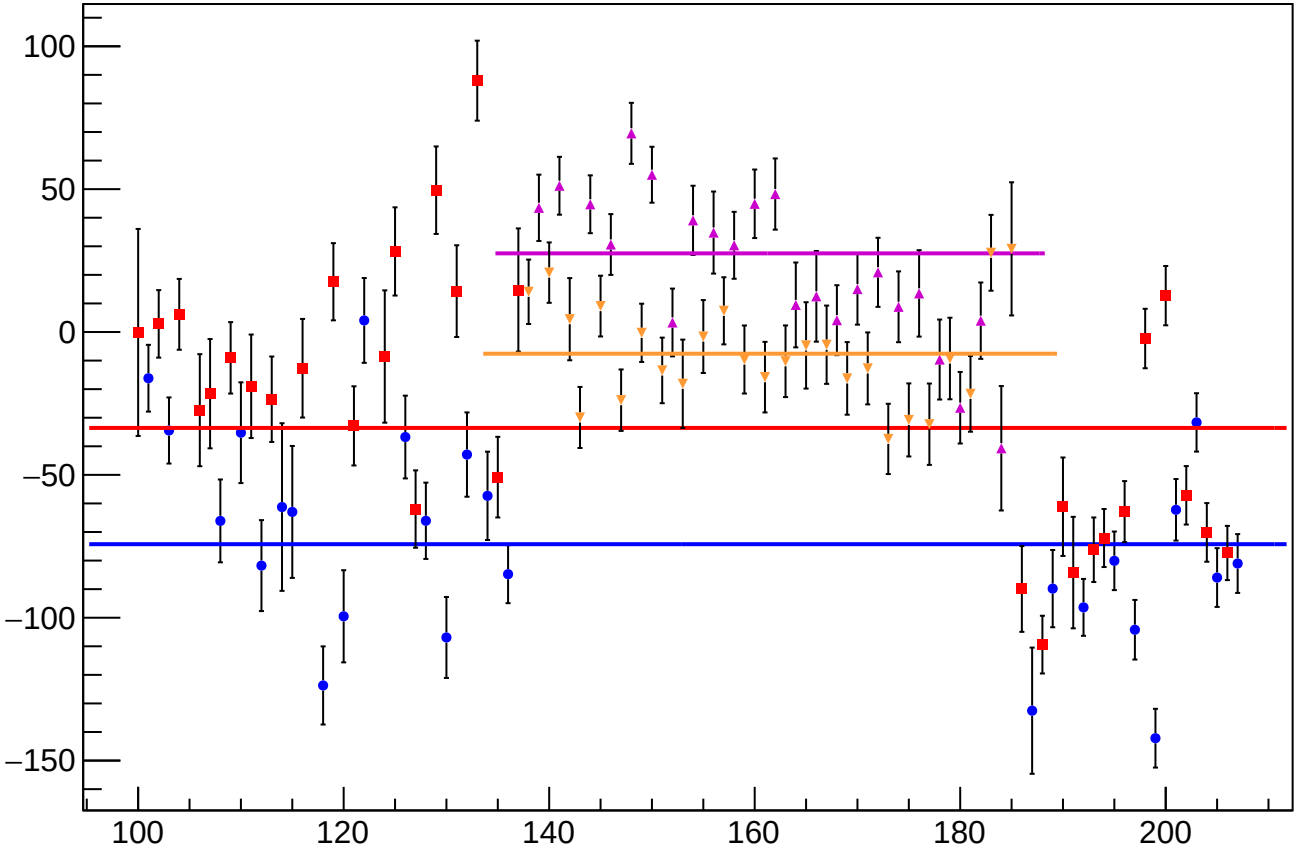
Right: 1669.386+/-0.215 χ^2/NDF: 2264298.7/56

In: 1819.323+/-0.229 χ^2/NDF:3331534.5/48

Out: 1818.686+/-0.221 χ^2/NDF:3607936.4/55

All: 1818.993+/-0.159 χ^2/NDF: 6939475.0/10

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -74.264+/-2.498 χ^2/NDF: 190.7/25

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

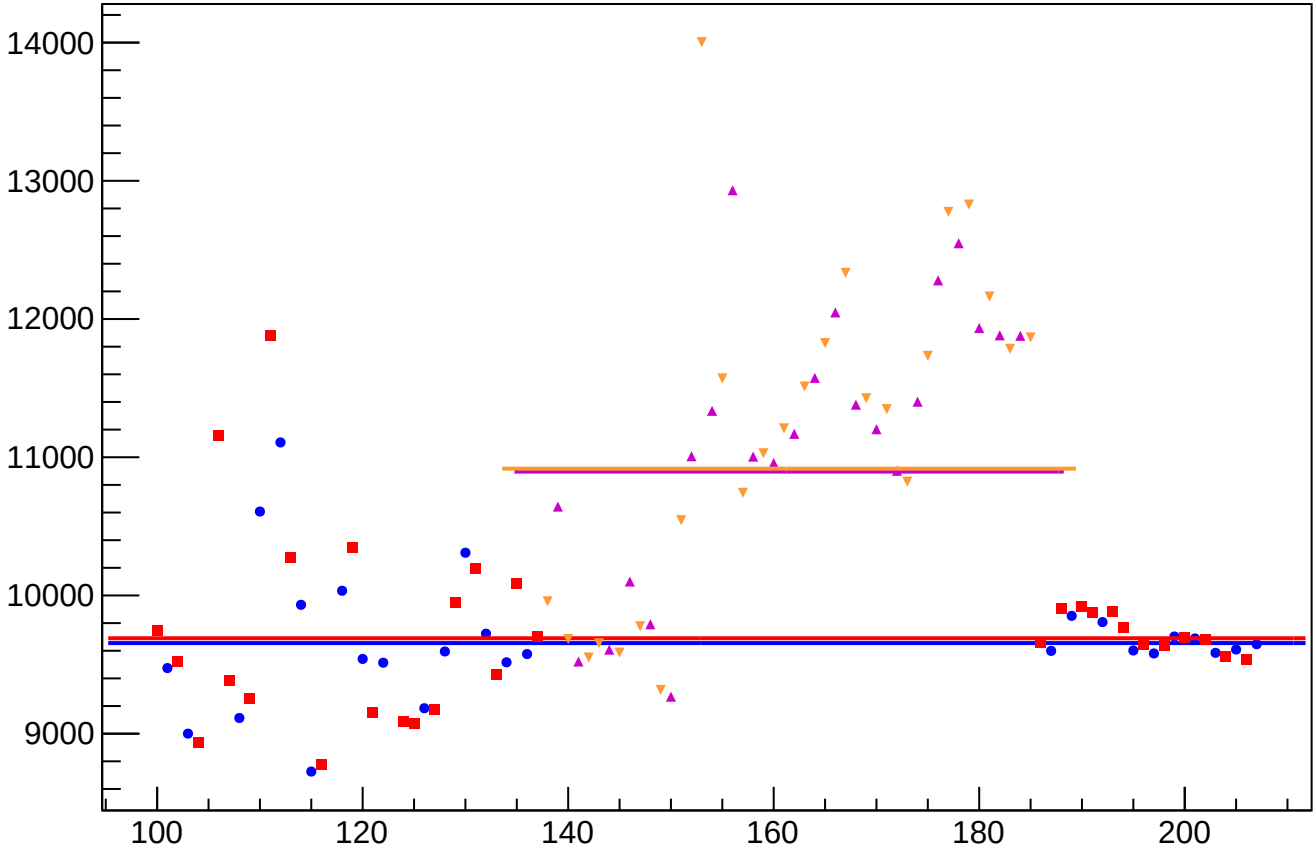
Right: -53.026+/-1.727 χ^2/NDF: 697.2/56

In: -24.538+/-1.787 χ^2/NDF:1094.7/48

Out: -21.134+/-1.726 χ^2/NDF:472.4/55

All: -22.777+/-1.242 χ^2/NDF: 1568.9/104

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9655.426+/-1.767 χ^2/NDF: 45382.6/25

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9690.390+/-1.691 χ^2/NDF: 83036.2/30

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

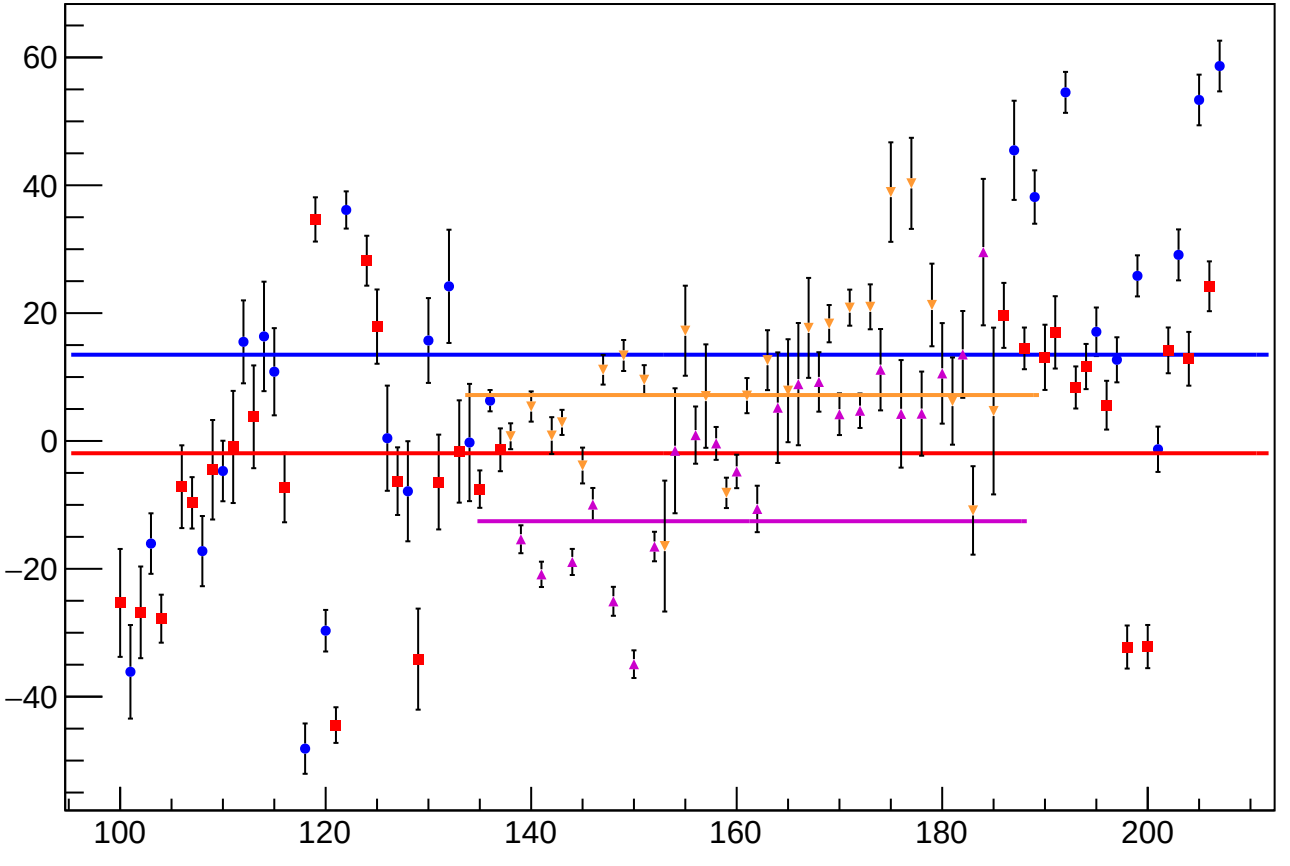
Right: 9673.674+/-1.222 χ^2/NDF: 128623.3/56

In: 10261.456+/-1.263 χ^2/NDF:584334.0/48

Out: 10277.985+/-1.221 χ^2/NDF:761124.7/55

All: 10270.005+/-0.878 χ^2/NDF: 1345547.2/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 13.494+/-0.790 χ^2/NDF: 1140.7/25

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

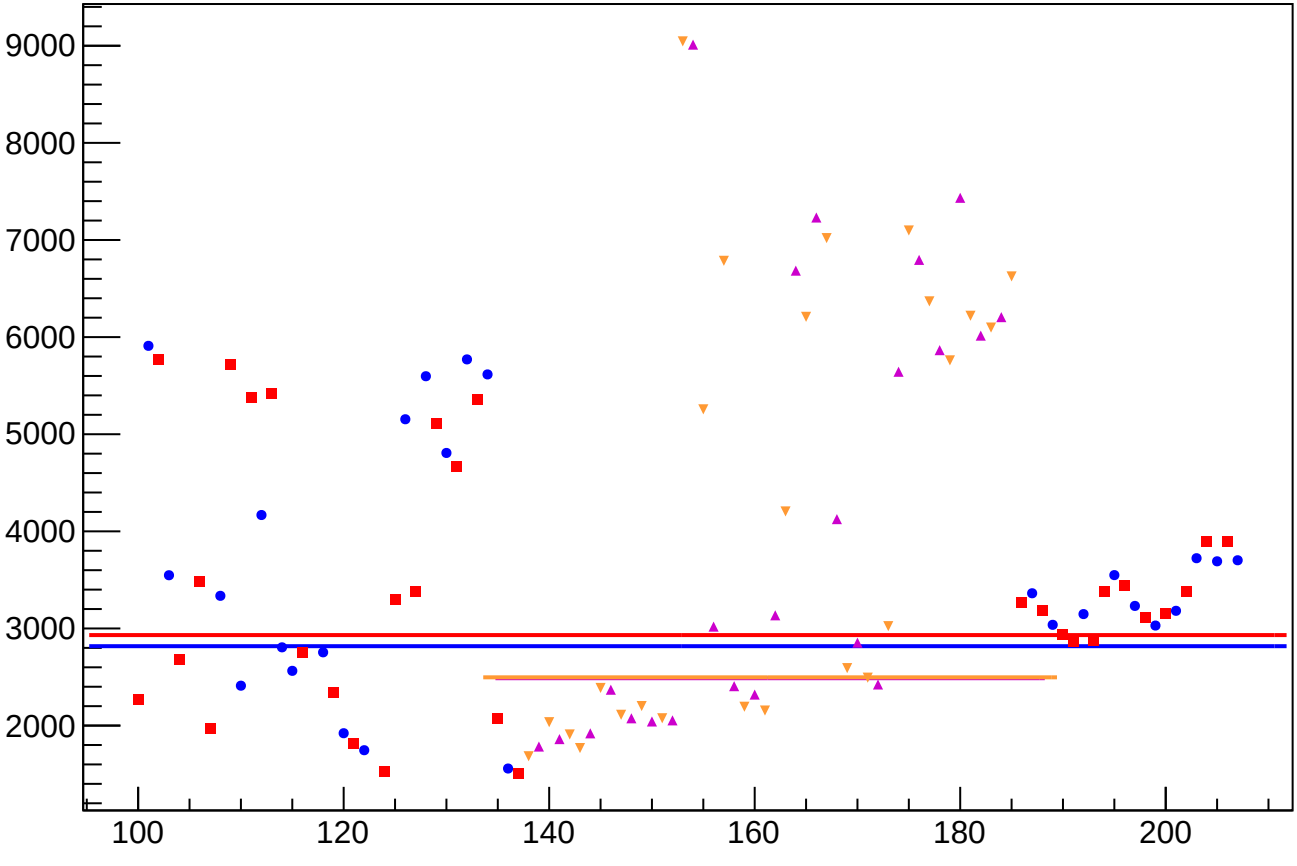
Right: 5.589+/-0.551 χ^2/NDF: 2176.0/56

In: -1.834+/-0.507 χ^2/NDF:2152.7/48

Out: 3.371+/-0.498 χ^2/NDF:1123.0/55

All: 0.812+/-0.355 χ^2/NDF: 3329.3/104

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2817.535+/-0.559 χ^2/NDF: 3561445.4/25

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

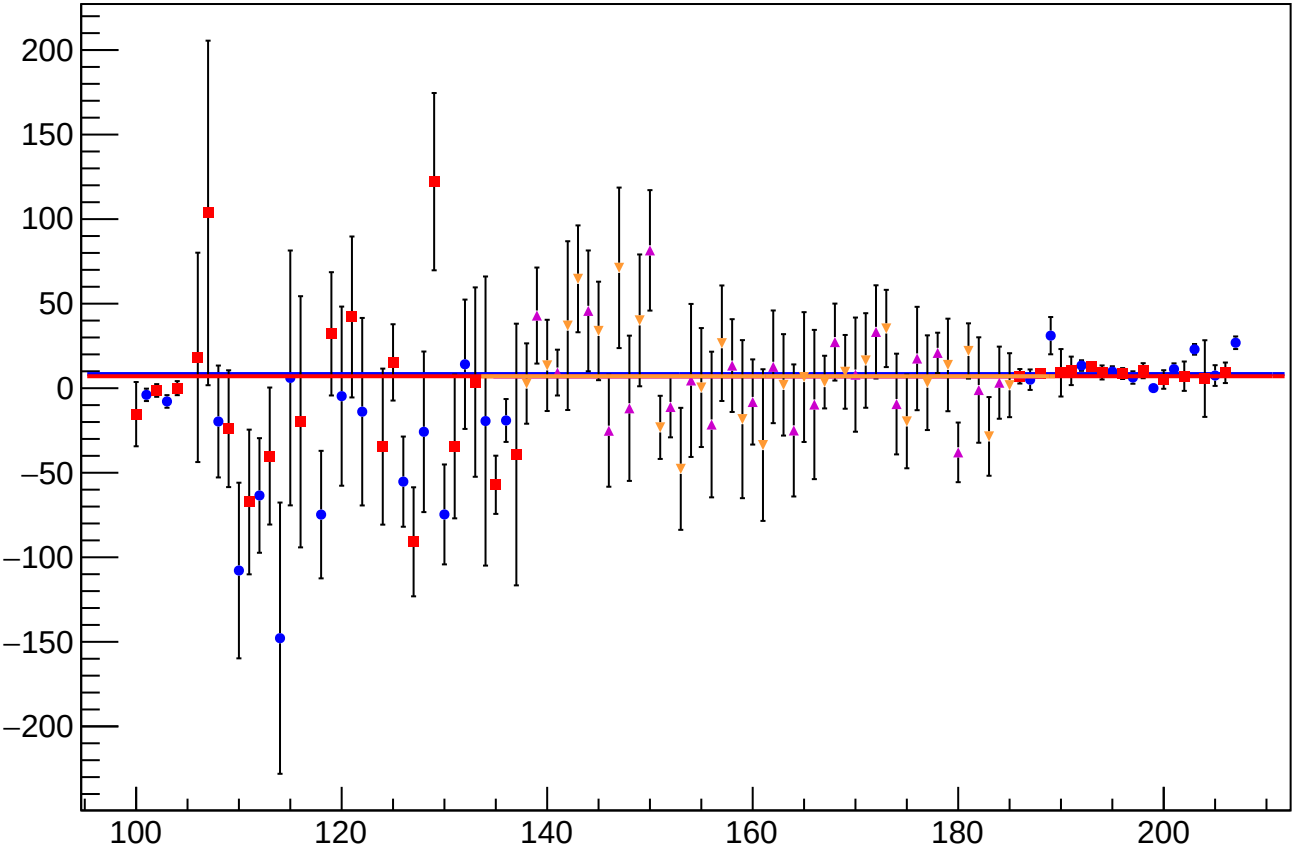
Right: 2876.163+/-0.390 χ^2/NDF: 6655351.3/56

In: 2623.448+/-0.358 χ^2/NDF:9870113.4/48

Out: 2679.031+/-0.352 χ^2/NDF:10649394.1/55

All: 2651.706+/-0.251 χ^2/NDF: 20531742.6/1

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 8.365+/-1.071 χ^2/NDF: 130.5/25

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

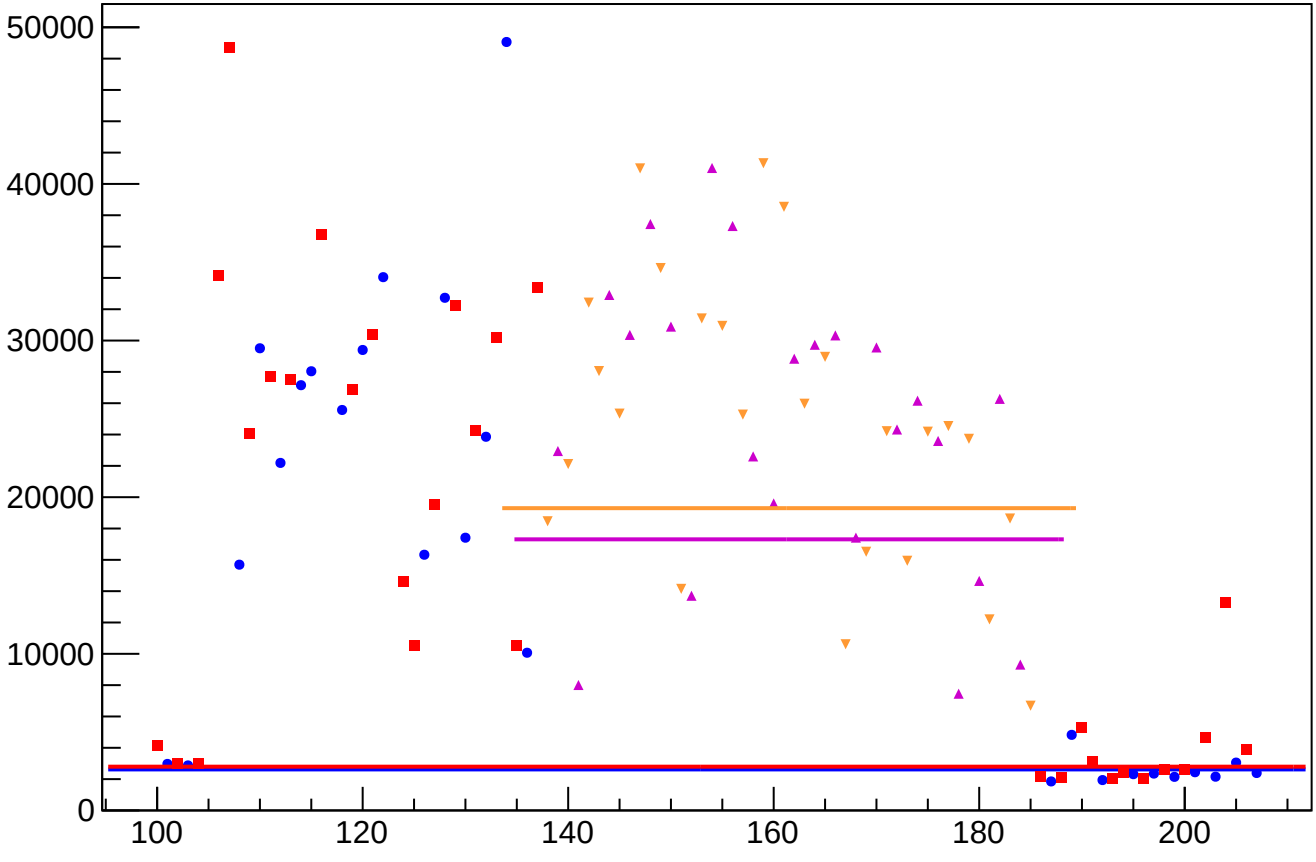
Right: 7.770+/-0.787 χ^2/NDF: 184.0/56

In: 8.304+/-1.048 χ^2/NDF:151.7/48

Out: 7.070+/-1.134 χ^2/NDF:72.4/55

All: 7.735+/-0.770 χ^2/NDF: 224.7/104

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2620.169+/-0.758 χ^2/NDF: 7936842.5/25

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

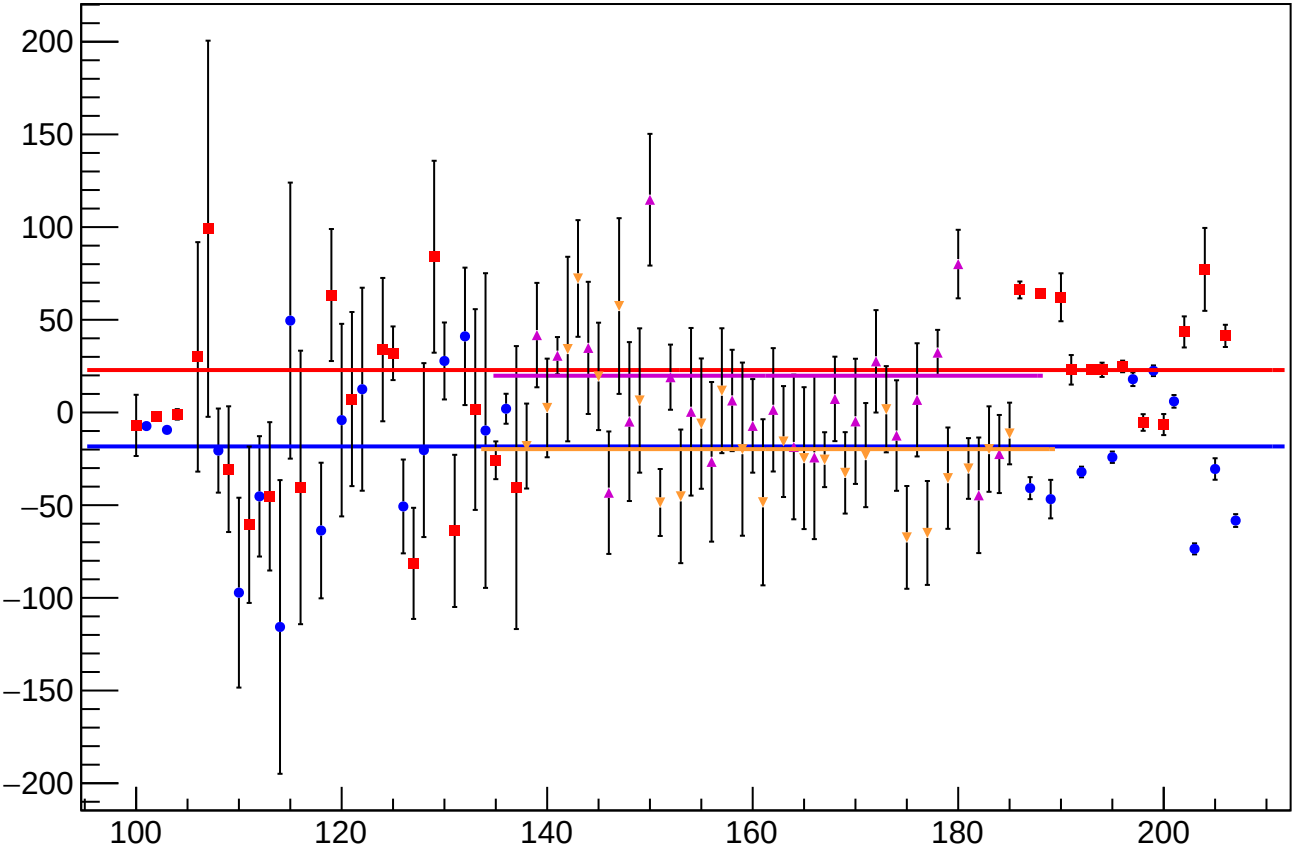
Right: 2700.601+/-0.557 χ^2/NDF: 17363419.2/56

In: 3243.213+/-0.741 χ^2/NDF:30603406.6/48

Out: 3571.112+/-0.802 χ^2/NDF:33437578.2/55

All: 3394.387+/-0.544 χ^2/NDF: 64131183.1/

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -18.317+/-0.950 χ^2/NDF: 931.7/25

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

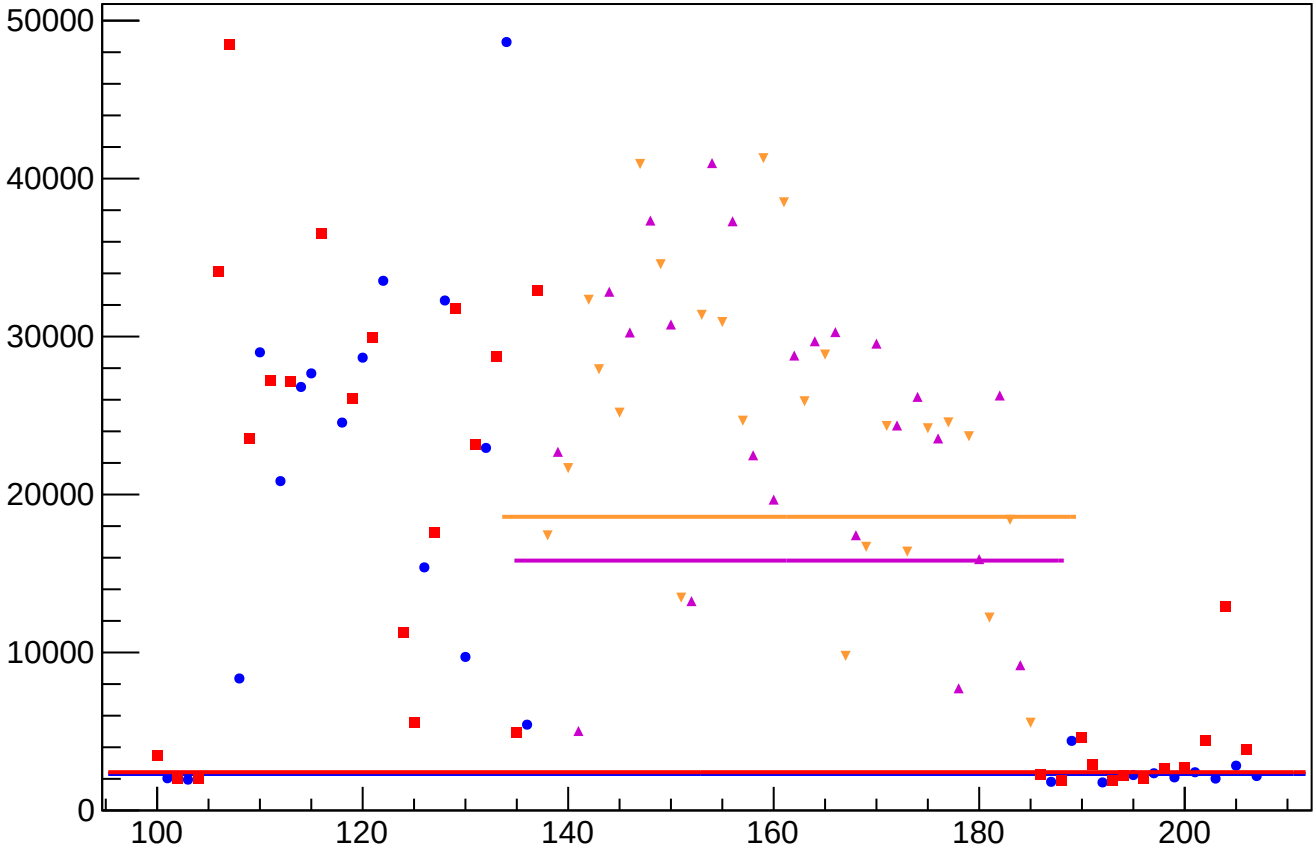
Right: 0.781+/-0.696 χ^2/NDF: 2479.6/56

In: -16.906+/-0.932 χ^2/NDF:1031.7/48

Out: 21.250+/-1.002 χ^2/NDF:770.2/55

All: 0.793+/-0.682 χ^2/NDF: 2579.2/104

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2308.450+/-0.672 χ^2/NDF: 7066574.7/25

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

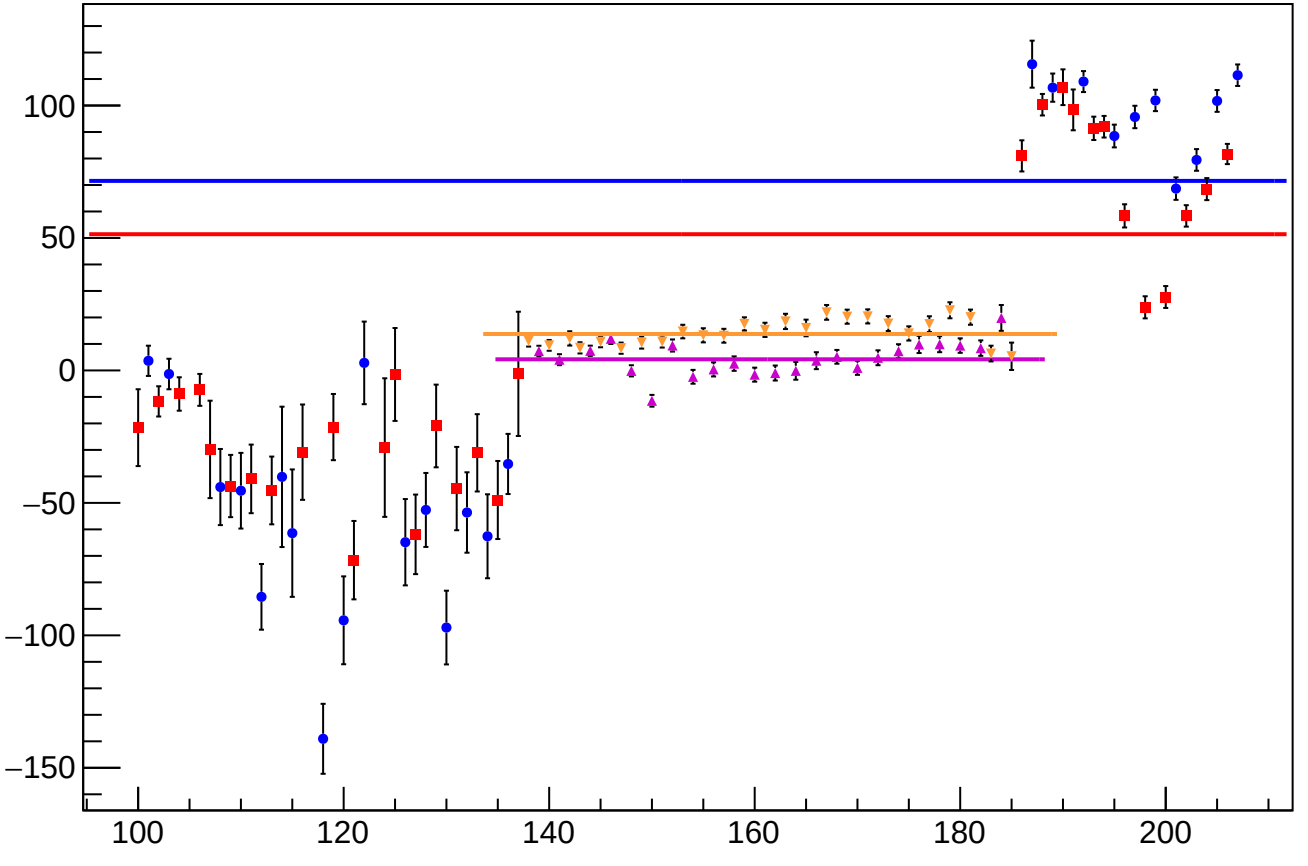
Right: 2361.706+/-0.492 χ^2/NDF: 16090717.4/56

In: 2808.302+/-0.659 χ^2/NDF:30443490.0/48

Out: 3043.346+/-0.709 χ^2/NDF:33907311.0/55

All: 2917.332+/-0.483 χ^2/NDF: 64409797.1/1

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 71.548+/-1.248 χ^2/NDF: 1957.3/25

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

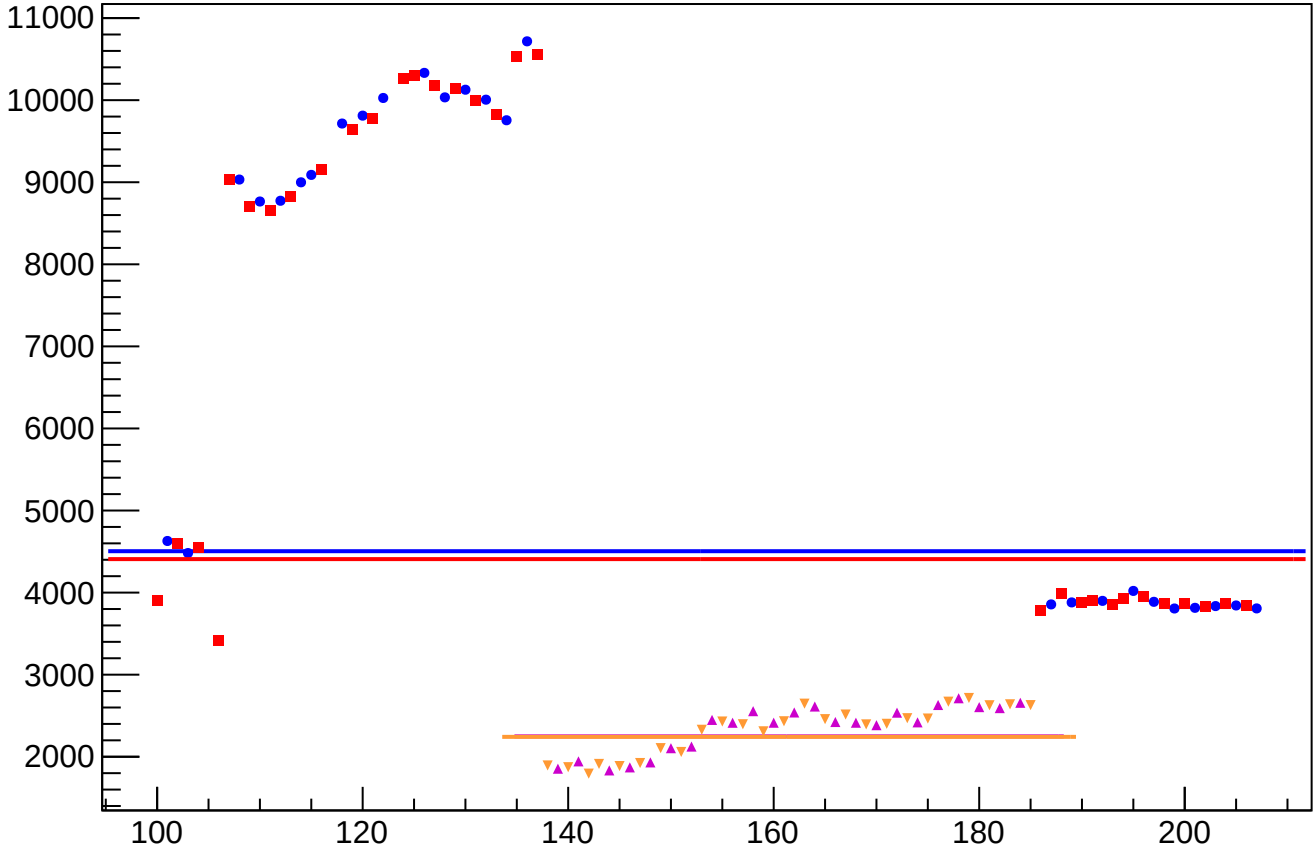
Right: 60.715+/-0.848 χ^2/NDF: 3584.2/56

In: 14.500+/-0.488 χ^2/NDF:4549.4/48

Out: 19.979+/-0.470 χ^2/NDF:2450.4/55

All: 17.344+/-0.338 χ^2/NDF: 7065.3/104

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4504.434+/-0.882 χ^2/NDF: 3918478.1/25

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

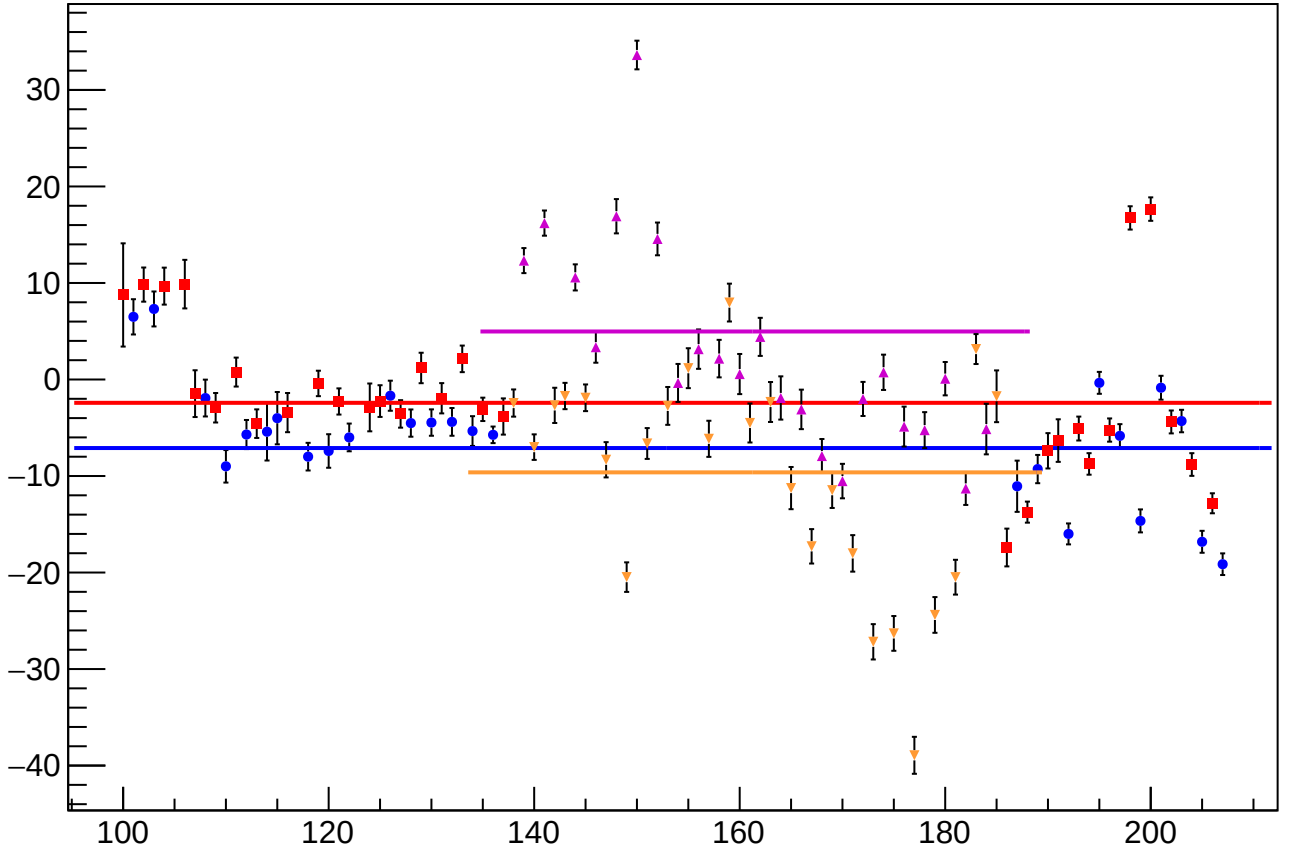
Right: 4452.585+/-0.600 χ^2/NDF: 7821670.9/56

In: 2593.524+/-0.345 χ^2/NDF:10099667.3/48

Out: 2599.960+/-0.332 χ^2/NDF:10417823.5/55

All: 2596.864+/-0.239 χ^2/NDF: 20517671.5/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -7.102+/-0.272 χ^2/NDF: 525.1/25

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

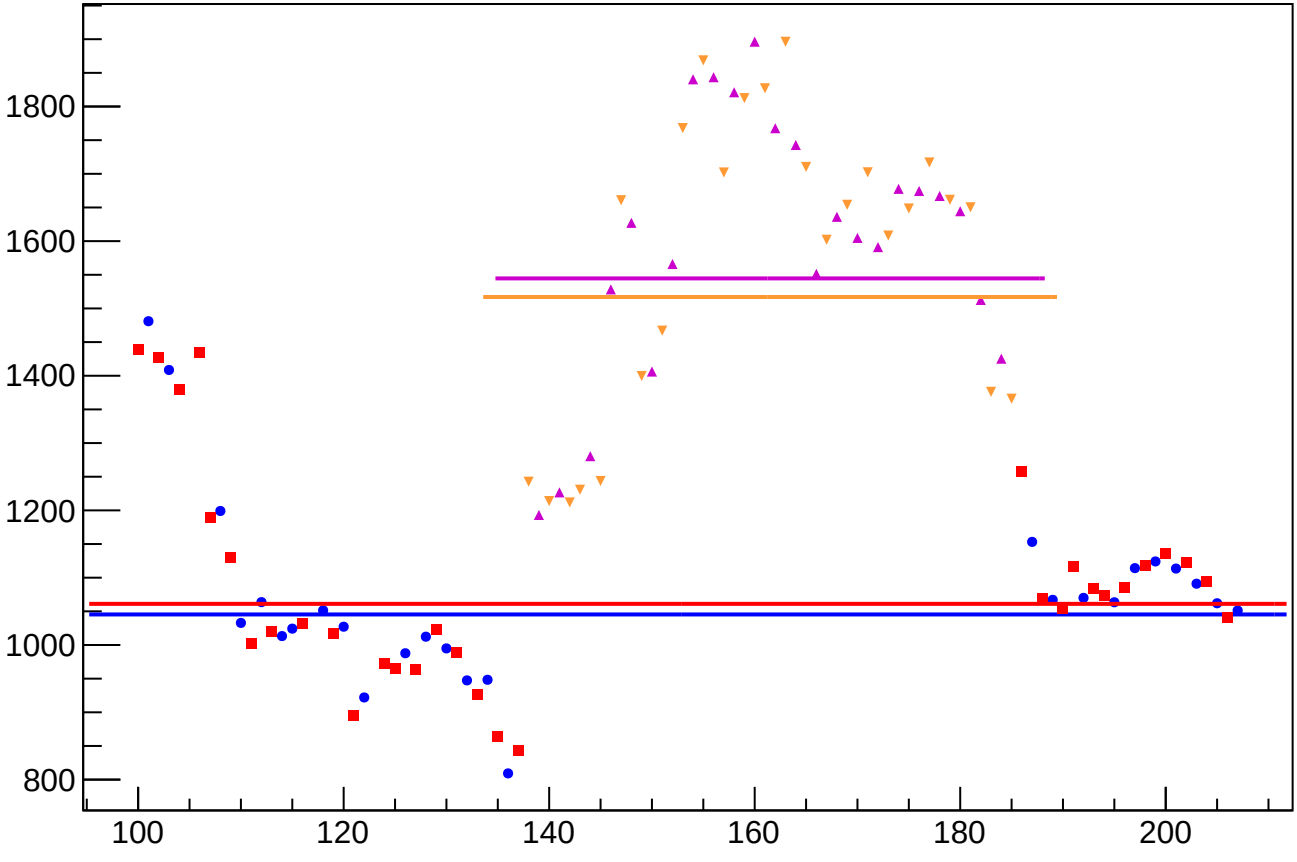
Right: -4.680+/-0.189 χ^2/NDF: 1698.8/56

In: -2.783+/-0.218 χ^2/NDF:2159.4/48

Out: -5.026+/-0.210 χ^2/NDF:2226.5/55

All: -3.946+/-0.151 χ^2/NDF: 4440.8/104

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1045.383+/-0.192 χ^2/NDF: 428192.4/25

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

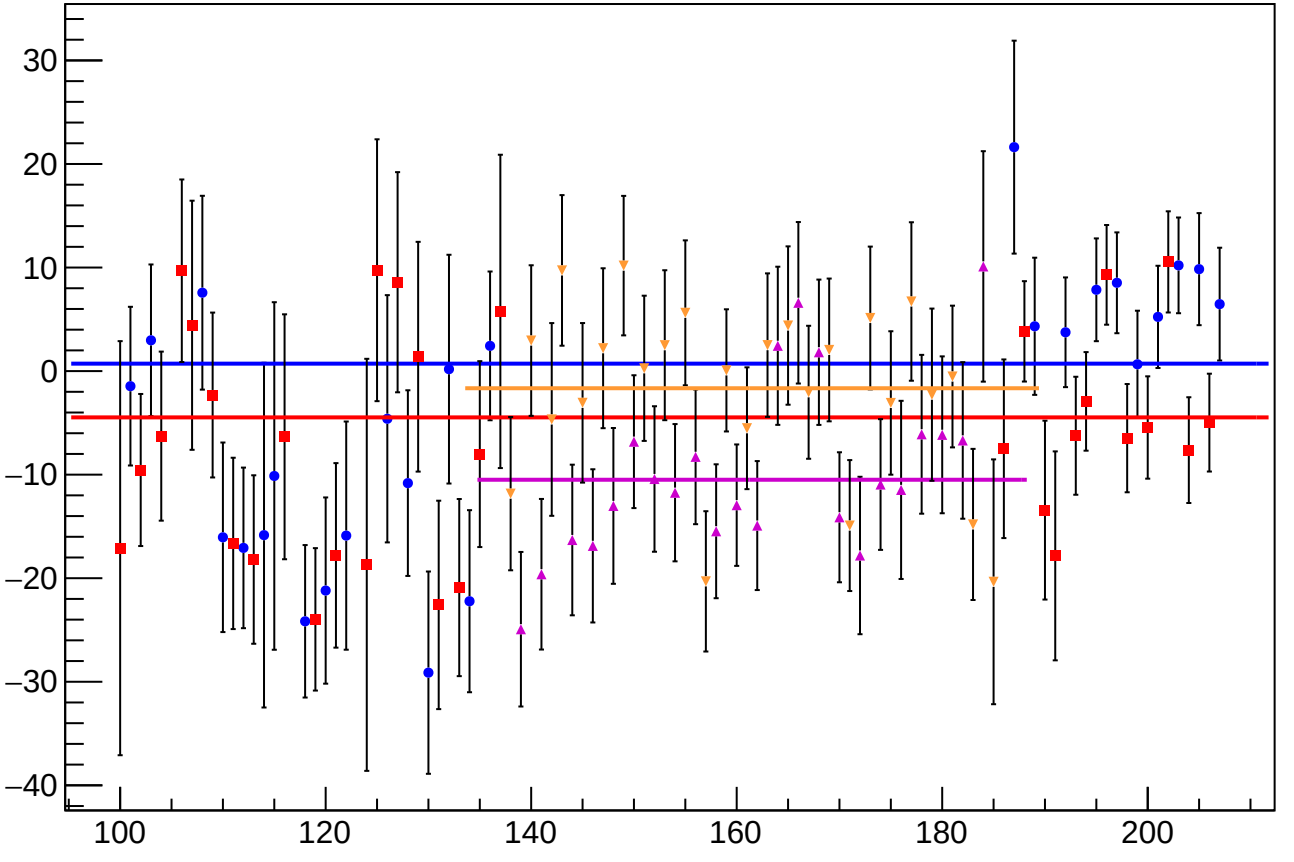
Right: 1053.517+/-0.134 χ^2/NDF: 838538.1/56

In: 1223.919+/-0.154 χ^2/NDF:3475481.6/48

Out: 1226.197+/-0.149 χ^2/NDF:3415536.0/55

All: 1225.100+/-0.107 χ^2/NDF: 6891130.7/10

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.719+/-1.366 χ^2/NDF: 66.8/25

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

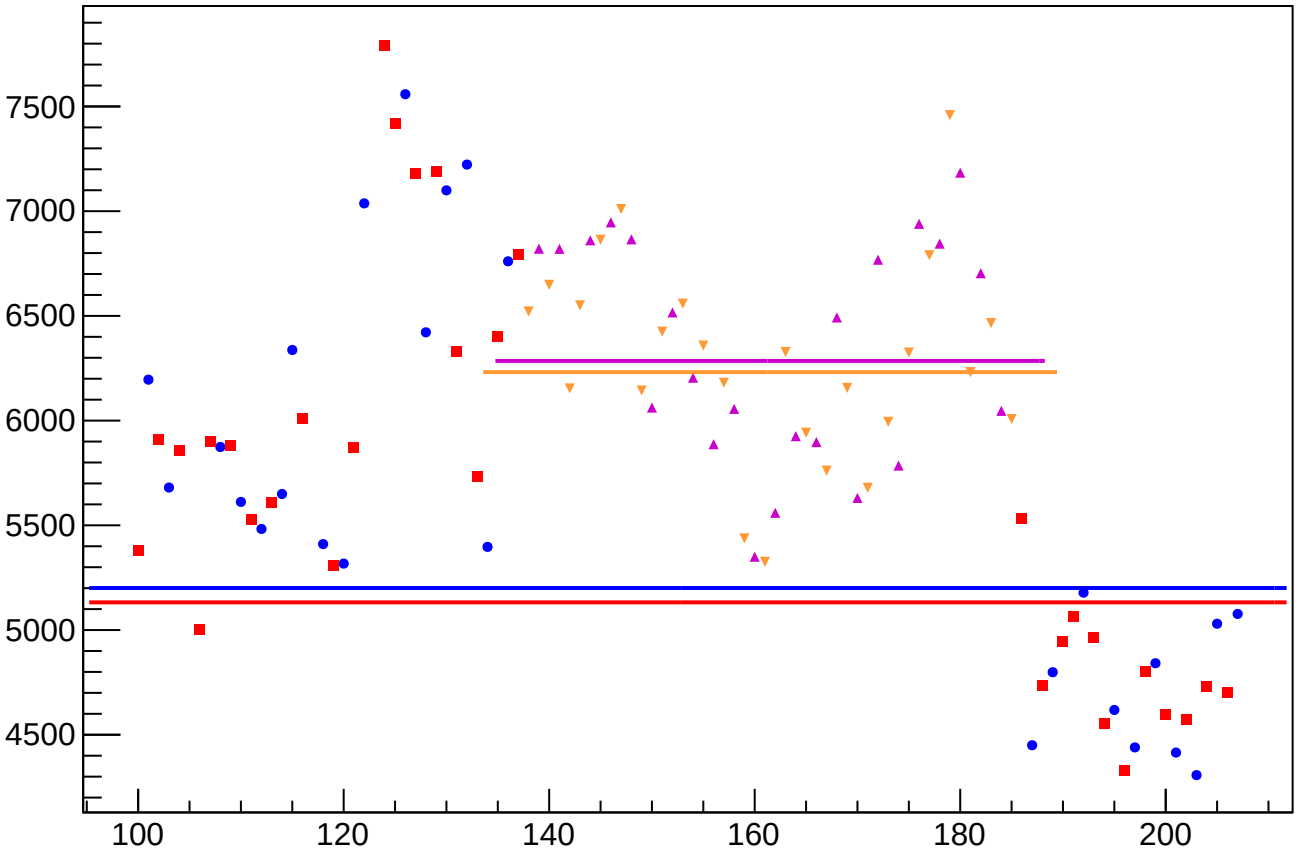
Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

Right: -2.039+/-0.935 χ^2/NDF: 129.4/56

In: -4.438+/-1.004 χ^2/NDF:122.8/48

Out: -3.212+/-0.954 χ^2/NDF:88.5/55

All: -3.794+/-0.691 χ^2/NDF: 212.0/104



Right In: 5200.690+/-0.966 χ^2/NDF: 713083.7/25

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

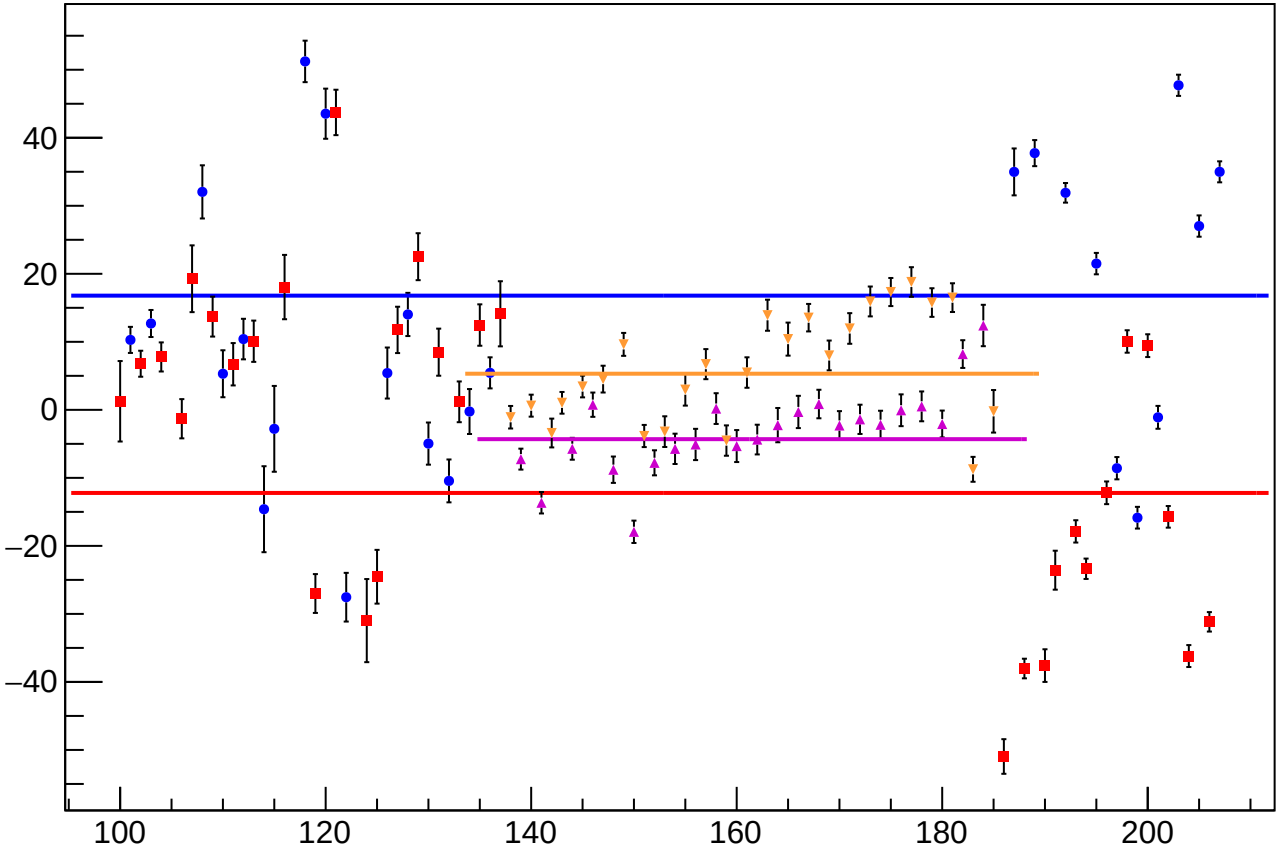
Right: 5164.306+/-0.661 χ^2/NDF: 1357300.2/56

In: 5699.505+/-0.710 χ^2/NDF:1558430.9/48

Out: 5623.557+/-0.674 χ^2/NDF:1525641.8/55

All: 5659.588+/-0.489 χ^2/NDF: 3090092.5/10

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 16.789+/-0.432 χ^2/NDF: 2212.9/25

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

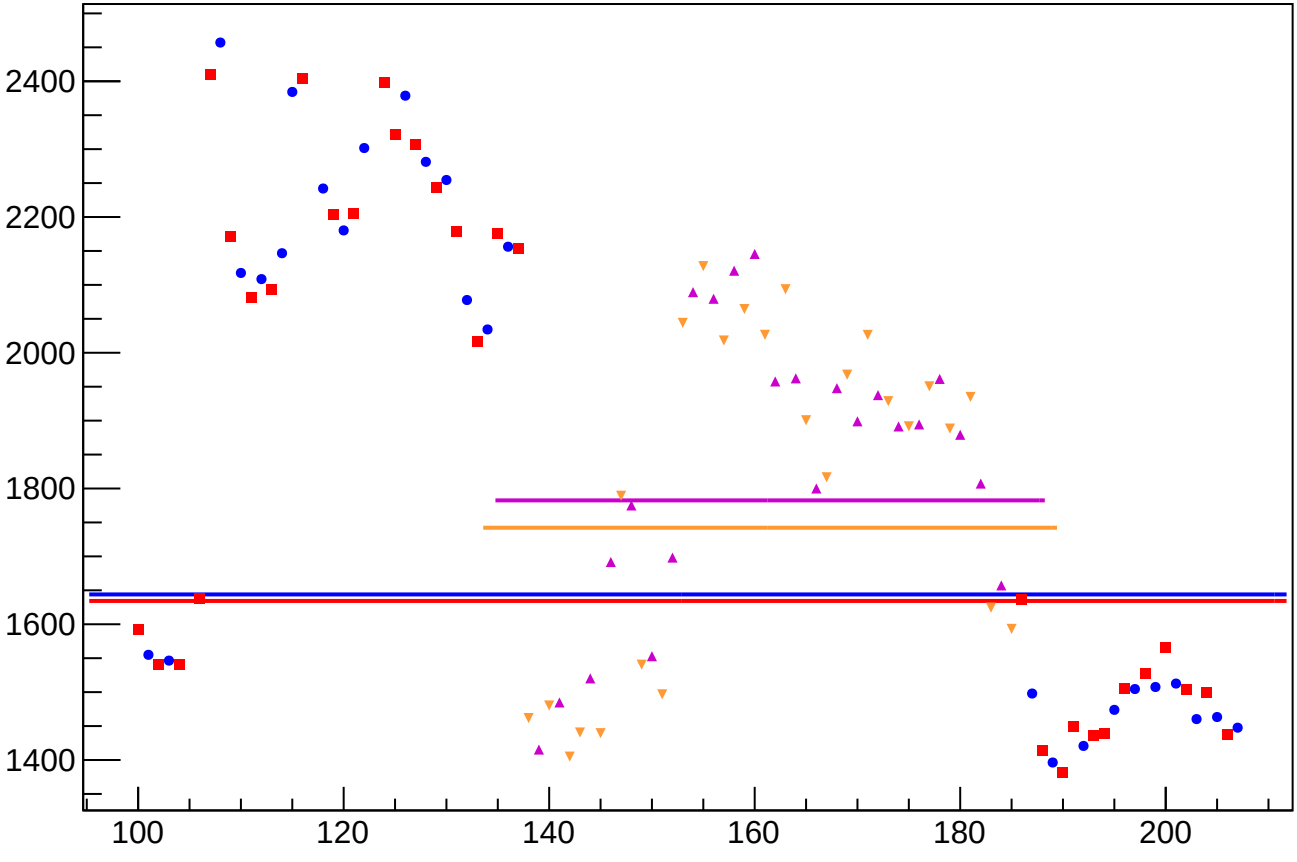
Right: 1.490+/-0.297 χ^2/NDF: 7172.2/56

In: 5.940+/-0.301 χ^2/NDF:3658.8/48

Out: -3.263+/-0.286 χ^2/NDF:3899.5/55

All: 1.102+/-0.207 χ^2/NDF: 8049.0/104

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1643.953+/-0.306 χ^2/NDF: 1046508.5/25

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

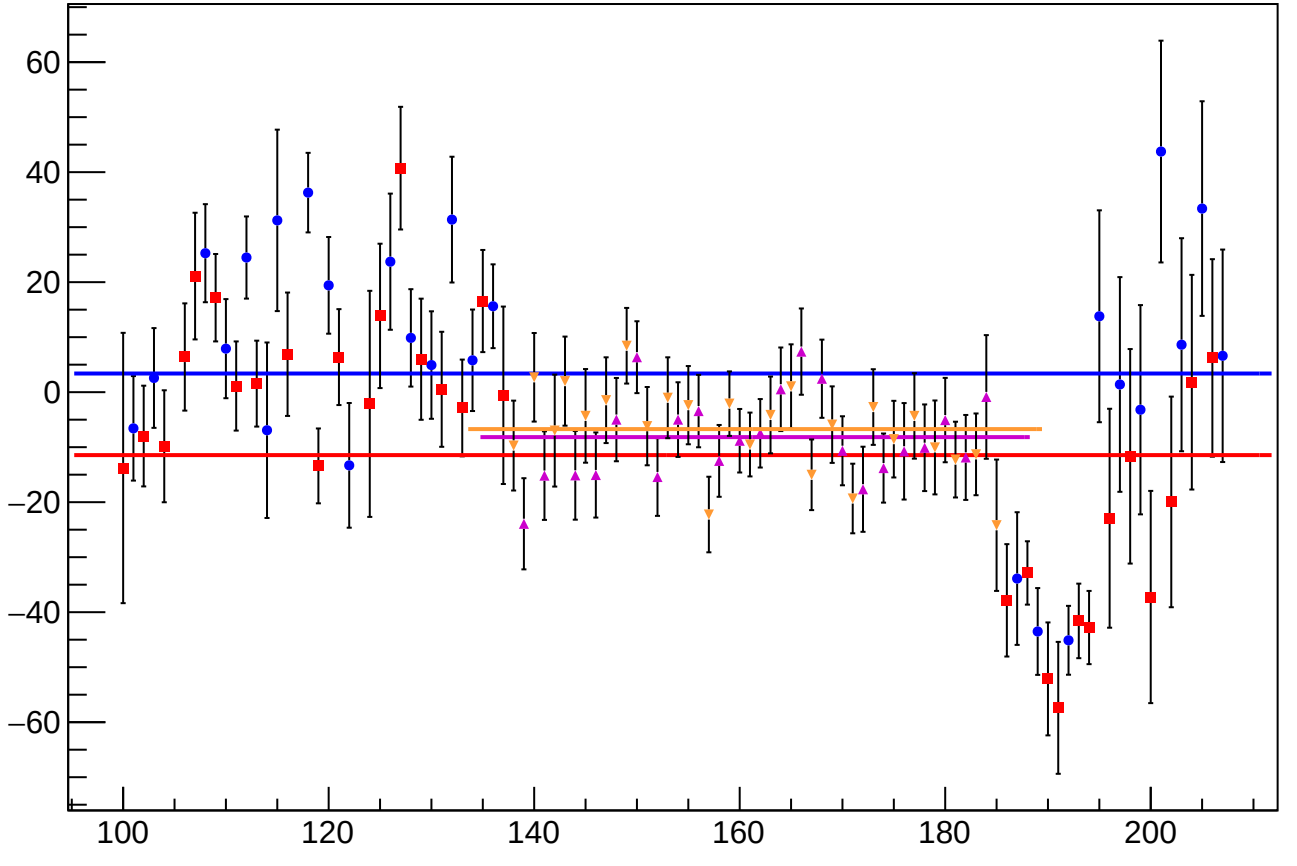
Right: 1638.897+/-0.210 χ^2/NDF: 2080721.9/56

In: 1715.196+/-0.213 χ^2/NDF:1686569.7/48

Out: 1689.457+/-0.202 χ^2/NDF:1872362.1/55

All: 1701.665+/-0.147 χ^2/NDF: 3566607.9/10

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 3.392+/-2.013 χ^2/NDF: 168.5/25

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

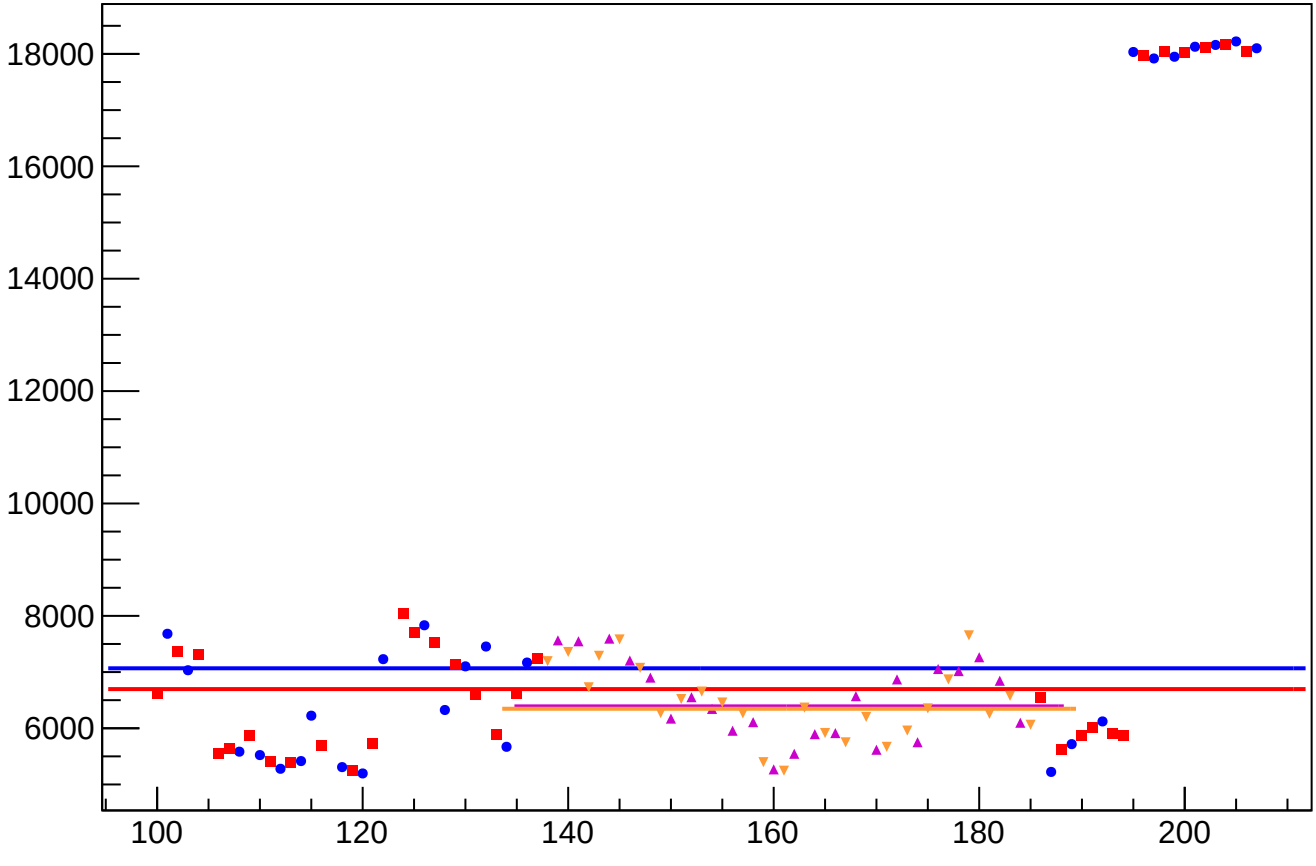
Right: -4.868+/-1.340 χ^2/NDF: 372.1/56

In: -4.007+/-1.208 χ^2/NDF:213.8/48

Out: -8.592+/-1.132 χ^2/NDF:203.2/55

All: -6.448+/-0.826 χ^2/NDF: 424.6/104

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 7067.226+/-1.423 χ^2/NDF: 5180343.5/25

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

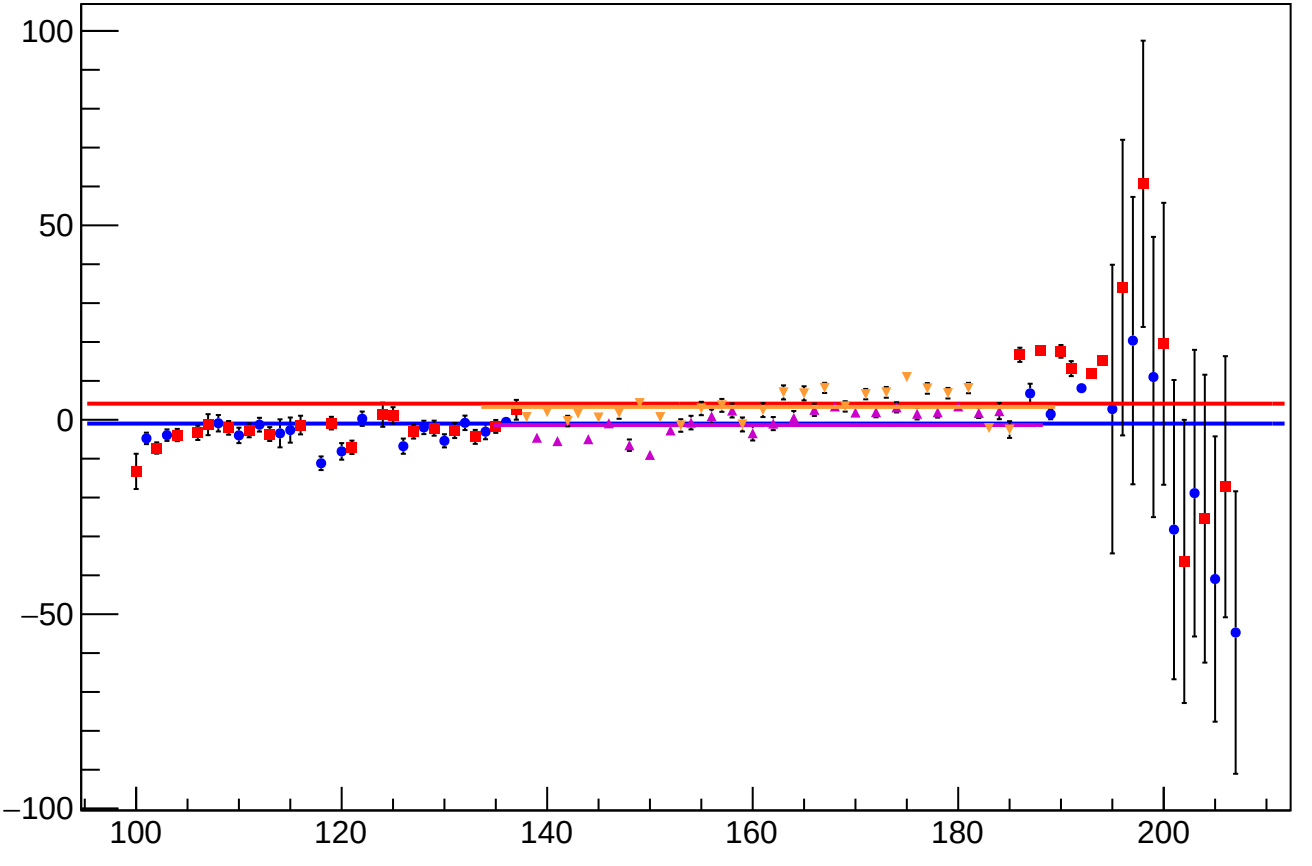
Right: 6861.125+/-0.947 χ^2/NDF: 9949225.9/56

In: 6633.536+/-0.854 χ^2/NDF:5745239.4/48

Out: 6486.281+/-0.800 χ^2/NDF:5163007.7/55

All: 6555.121+/-0.584 χ^2/NDF: 10924077.2/1

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.981+/-0.386 χ^2/NDF: 183.5/25

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

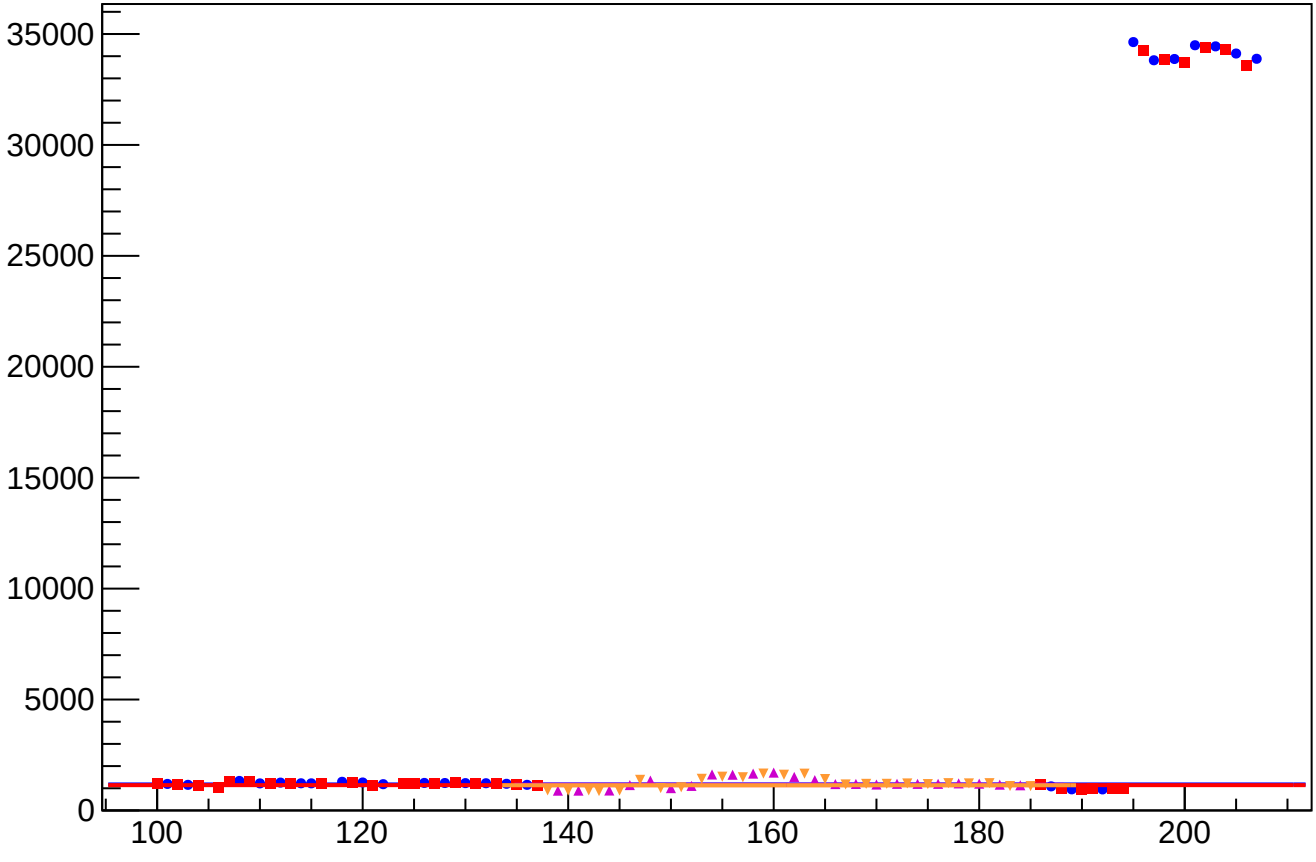
Right: 1.891+/-0.256 χ^2/NDF: 1032.1/56

In: -1.228+/-0.225 χ^2/NDF:380.4/48

Out: 3.623+/-0.209 χ^2/NDF:931.5/55

All: 1.373+/-0.153 χ^2/NDF: 1561.4/104

diff_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 1173.007+/-0.273 χ^2/NDF: 11404420.5/25

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

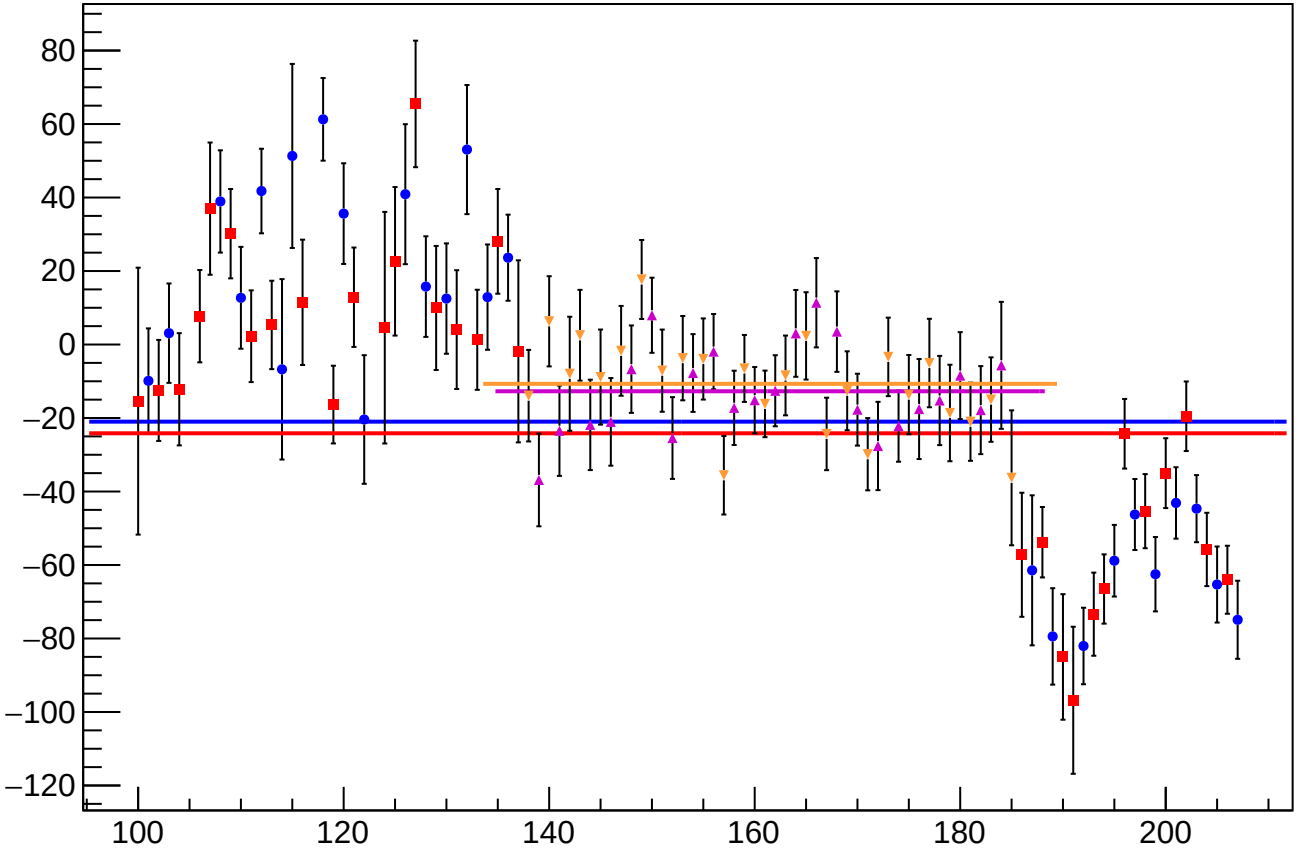
Right: 1154.958+/-0.181 χ^2/NDF: 21488814.0/56

In: 1164.040+/-0.159 χ^2/NDF:12665848.7/48

Out: 1138.509+/-0.148 χ^2/NDF:11546410.2/55

All: 1150.355+/-0.108 χ^2/NDF: 24226080.1/1

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -20.990+/-2.461 χ^2/NDF: 350.7/25

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

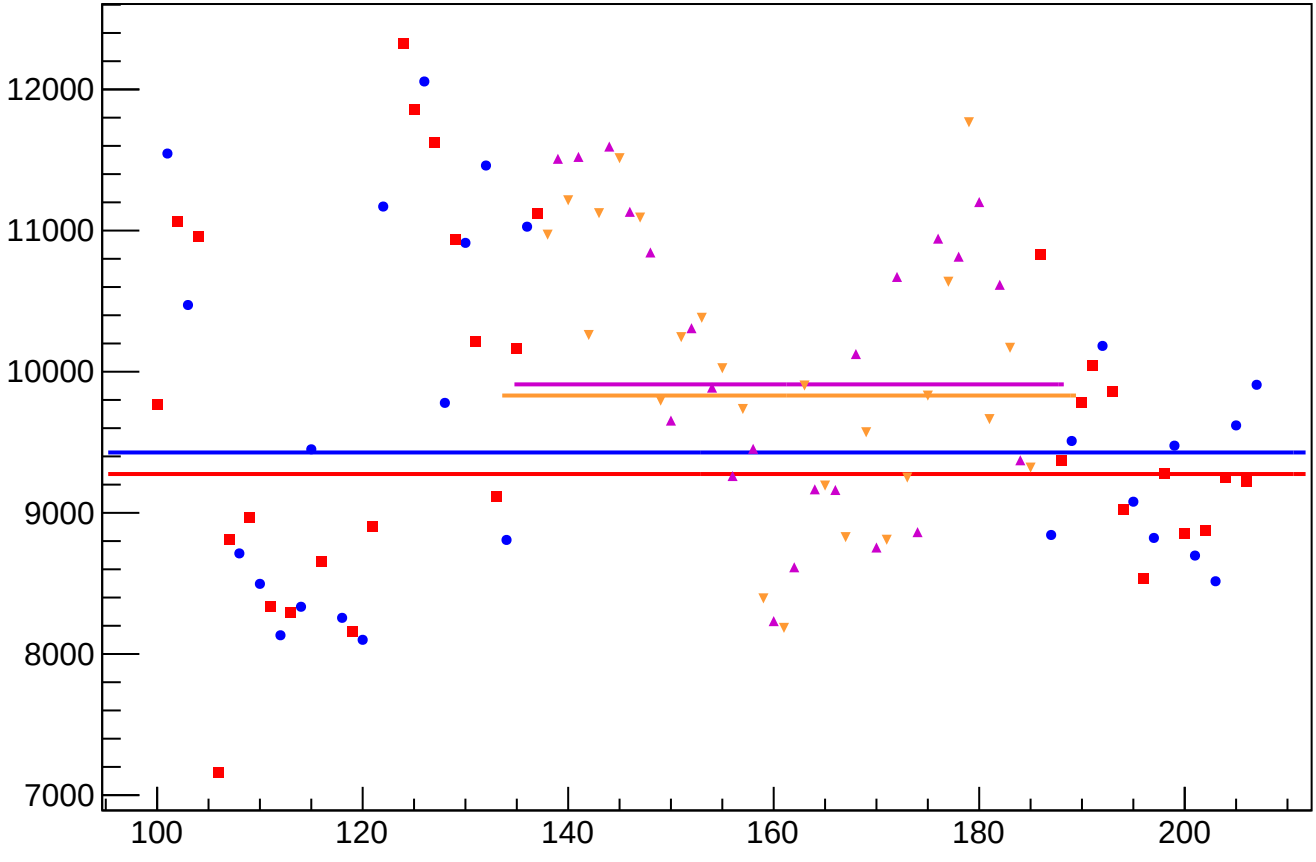
Right: -22.677+/-1.682 χ^2/NDF: 585.0/56

In: -16.649+/-1.696 χ^2/NDF:380.7/48

Out: -17.285+/-1.613 χ^2/NDF:279.5/55

All: -16.983+/-1.169 χ^2/NDF: 660.3/104

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9427.843+/-1.740 χ^2/NDF: 345347.4/25

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

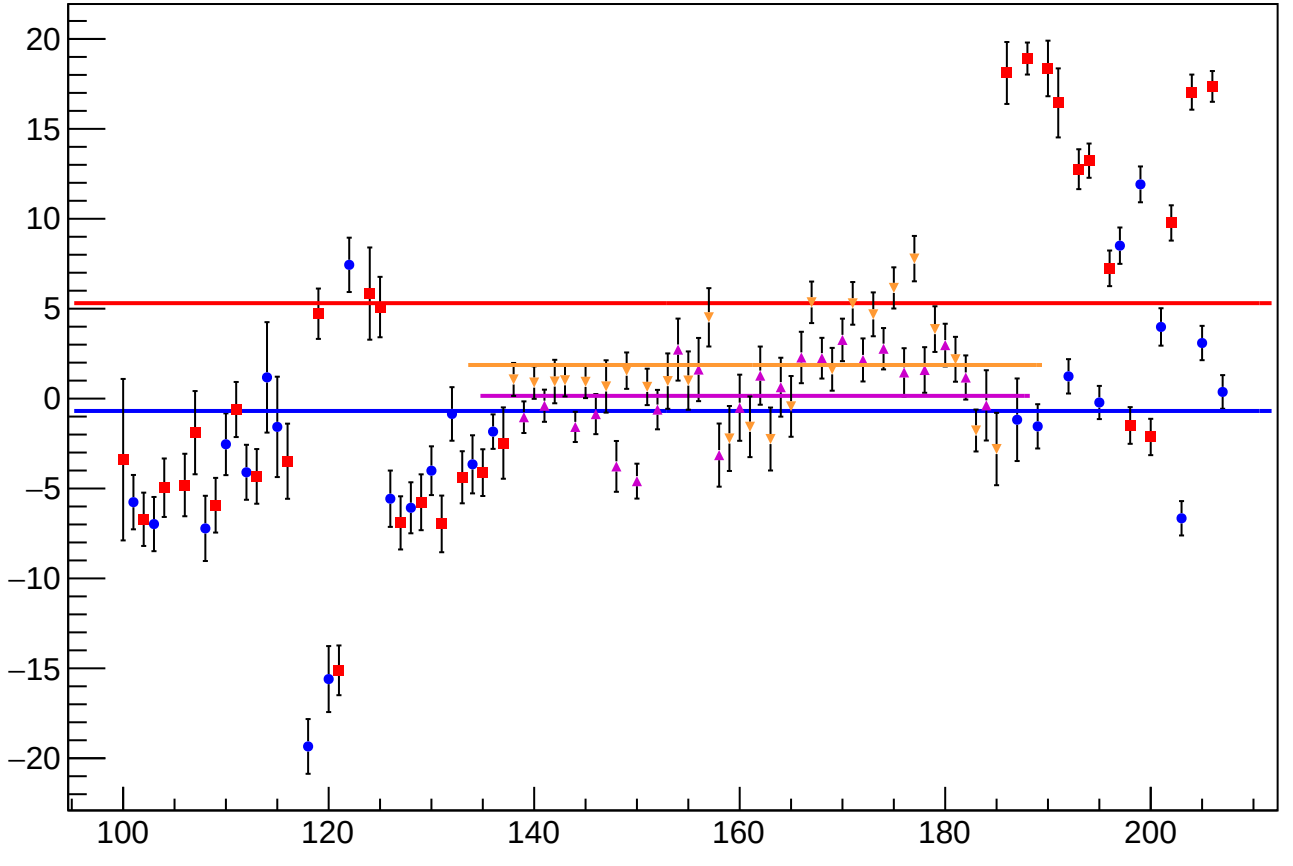
Right: 9346.541+/-1.190 χ^2/NDF: 700734.9/56

In: 9681.086+/-1.199 χ^2/NDF:775077.9/48

Out: 9559.107+/-1.140 χ^2/NDF:766832.2/55

All: 9617.035+/-0.826 χ^2/NDF: 1547342.5/10

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.688+/-0.249 χ^2/NDF: 651.9/25

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

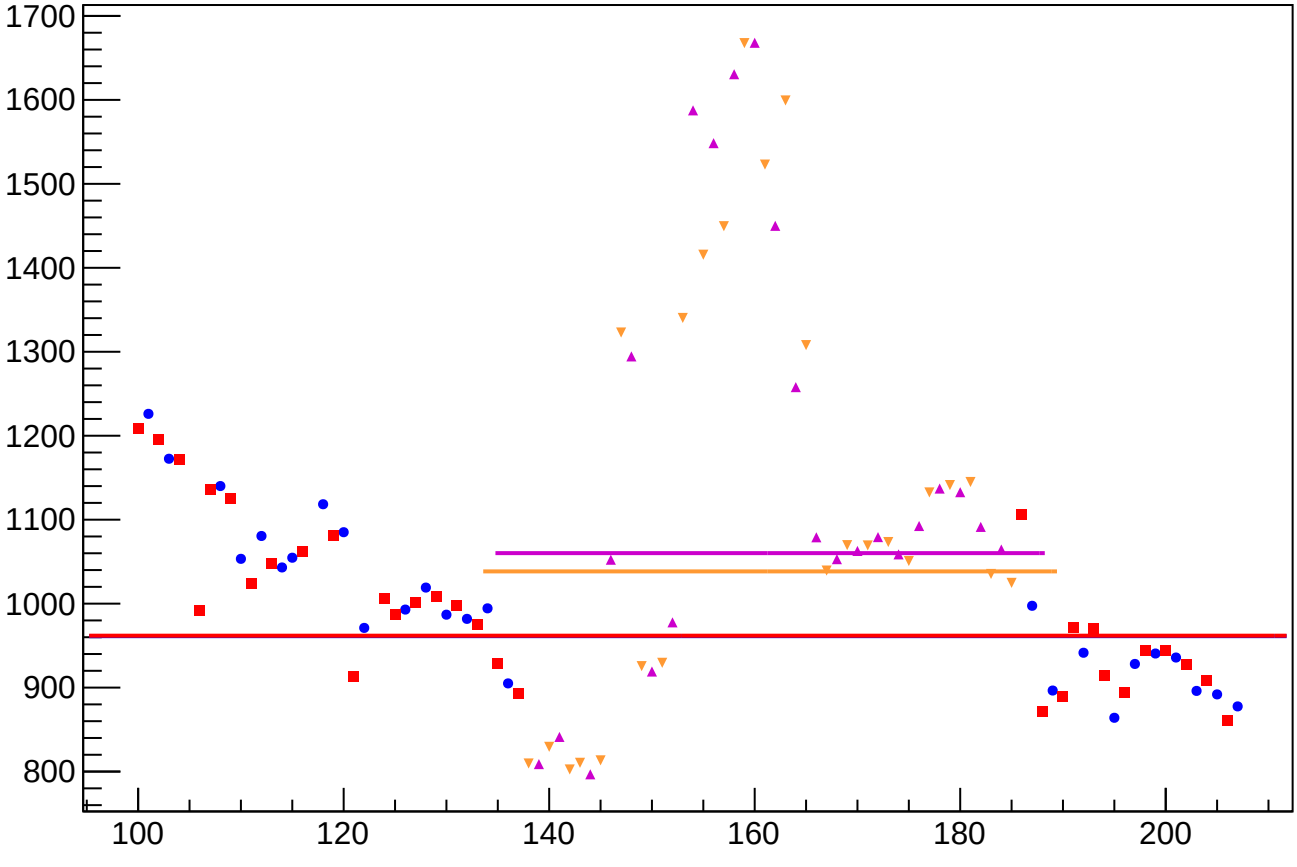
Right: 2.451+/-0.172 χ^2/NDF: 2719.8/56

In: -0.276+/-0.178 χ^2/NDF:733.1/48

Out: 3.622+/-0.170 χ^2/NDF:1970.8/55

All: 1.765+/-0.123 χ^2/NDF: 2954.9/104

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 961.267+/-0.176 χ^2/NDF: 254291.7/25

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

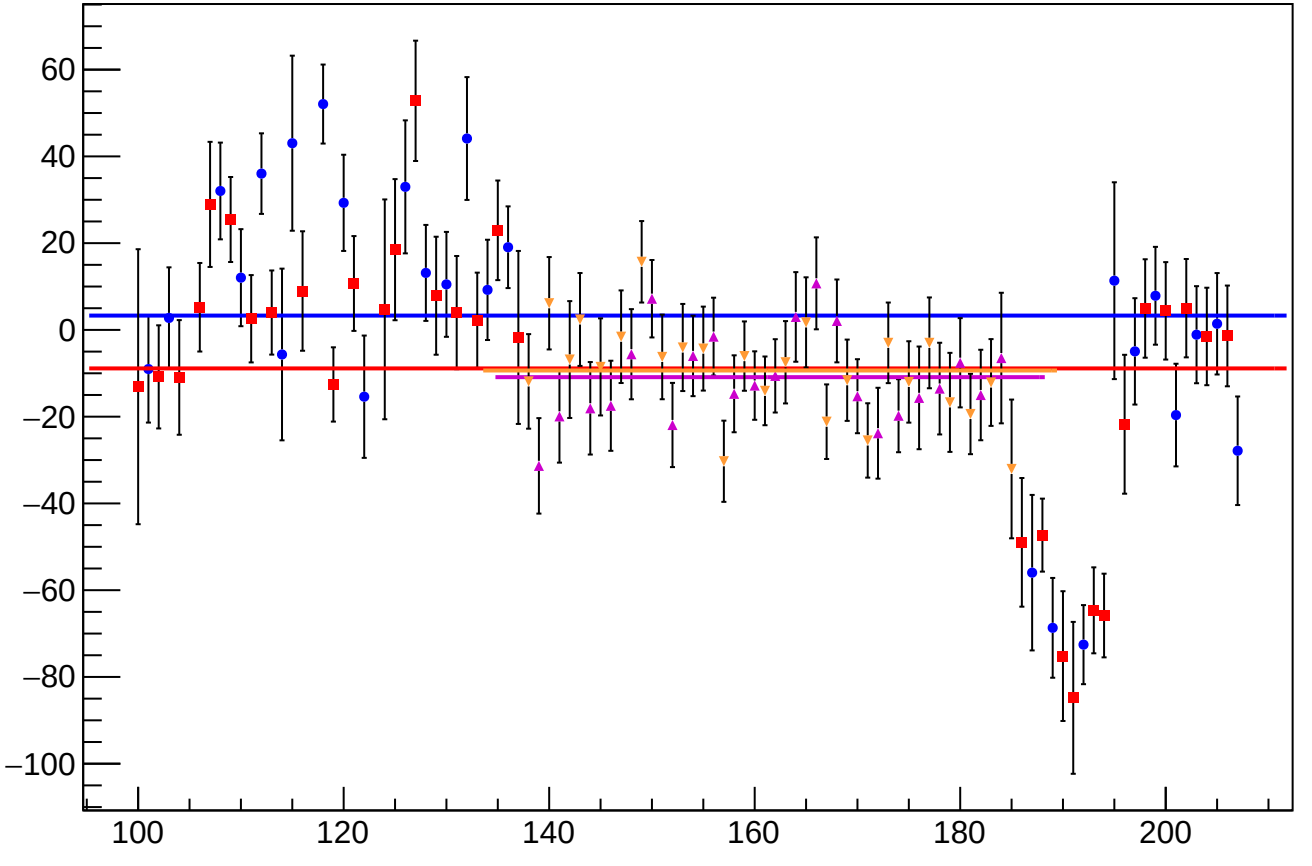
Right: 961.561+/-0.122 χ^2/NDF: 509948.3/56

In: 1009.709+/-0.126 χ^2/NDF:1931602.7/48

Out: 999.352+/-0.120 χ^2/NDF:2063919.5/55

All: 1004.285+/-0.087 χ^2/NDF: 3999063.8/10

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 3.303+/-2.339 χ^2/NDF: 207.2/25

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

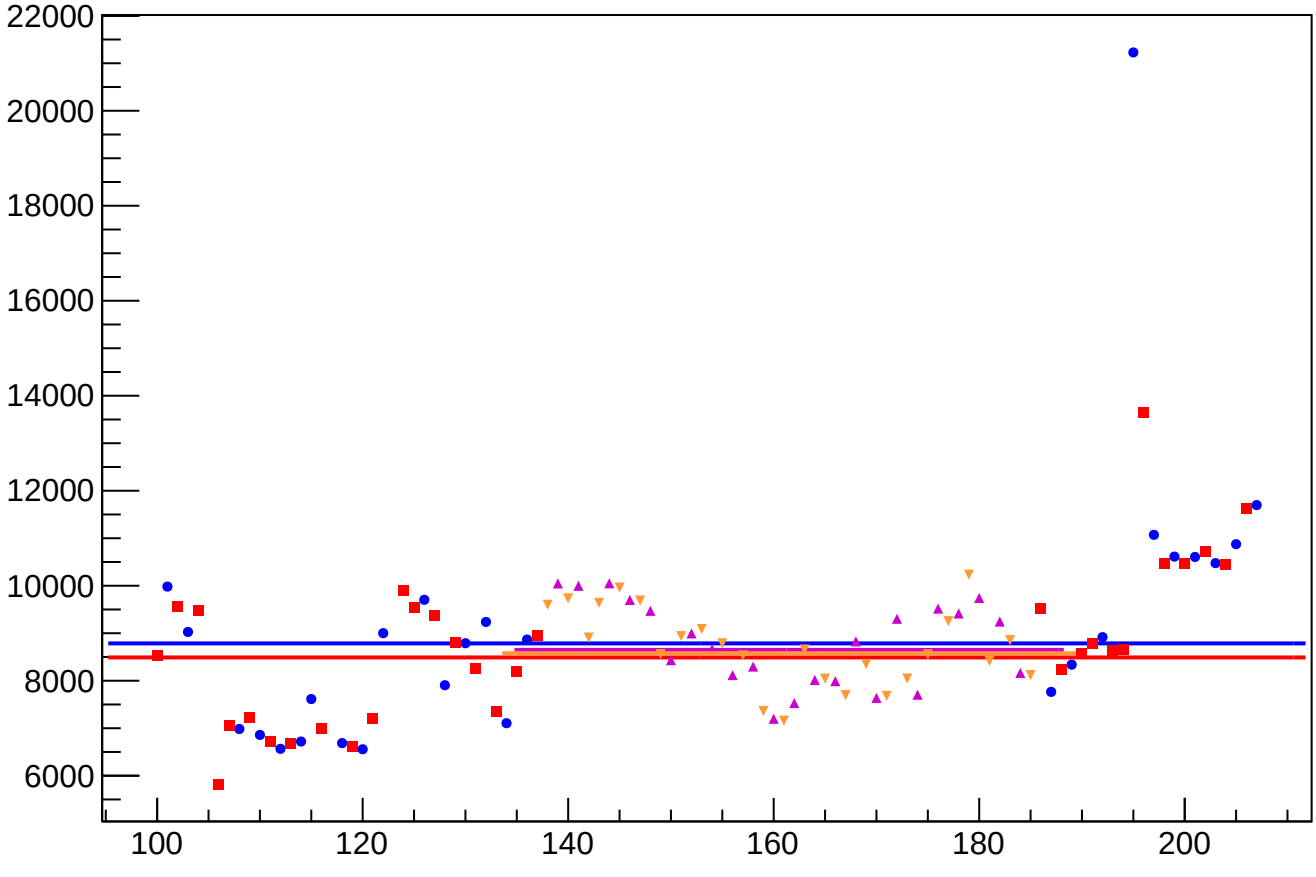
Right: -3.304+/-1.582 χ^2/NDF: 424.4/56

In: -4.751+/-1.539 χ^2/NDF:251.6/48

Out: -9.137+/-1.452 χ^2/NDF:231.1/55

All: -7.071+/-1.056 χ^2/NDF: 487.0/104

diff_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 8785.787+/-1.654 χ^2/NDF: 1524438.8/25

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

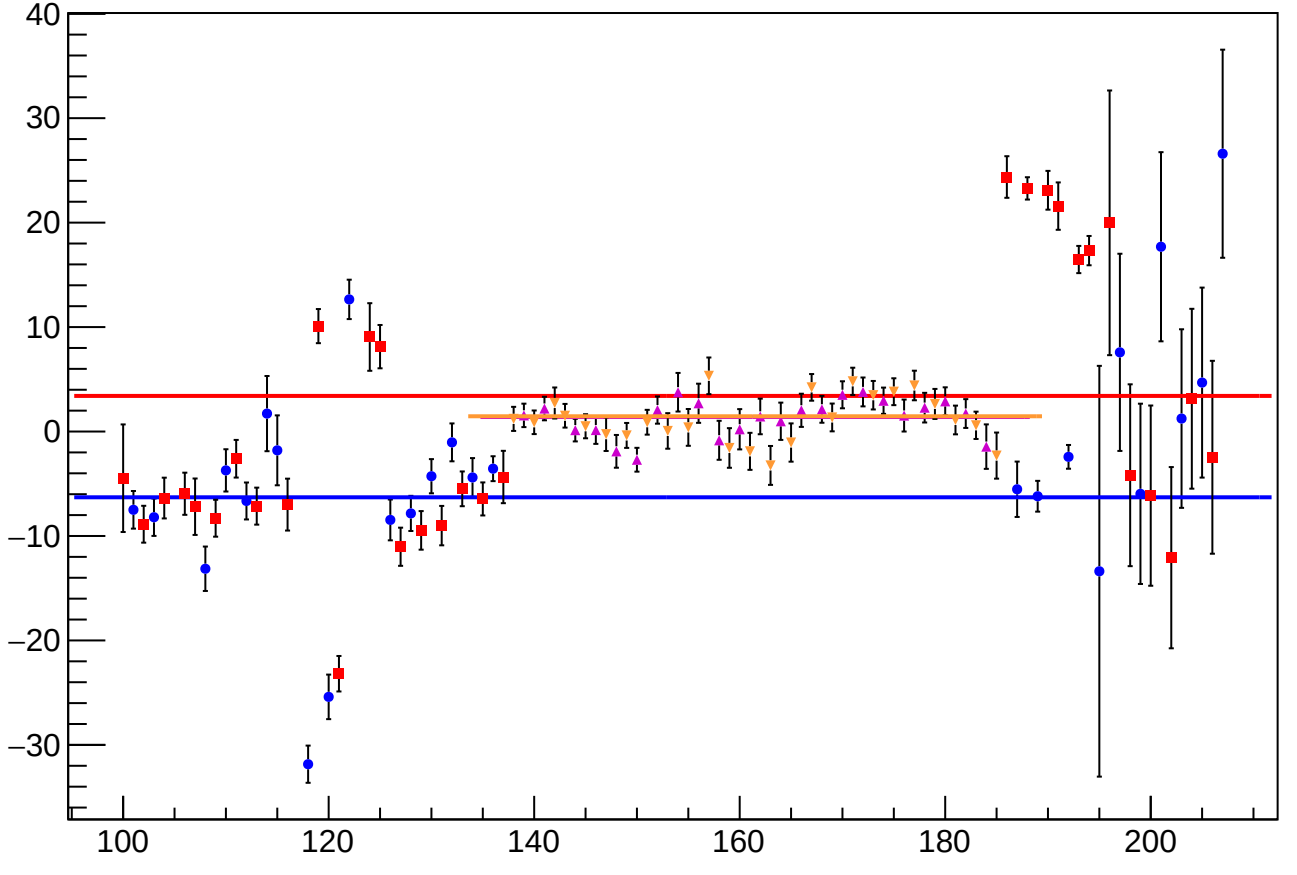
Right: 8625.433+/-1.119 χ^2/NDF: 2713298.0/56

In: 8708.308+/-1.088 χ^2/NDF:1906238.1/48

Out: 8538.115+/-1.026 χ^2/NDF:1517086.0/55

All: 8618.270+/-0.747 χ^2/NDF: 3436271.8/10

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.296+/-0.404 χ^2/NDF: 460.0/25

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

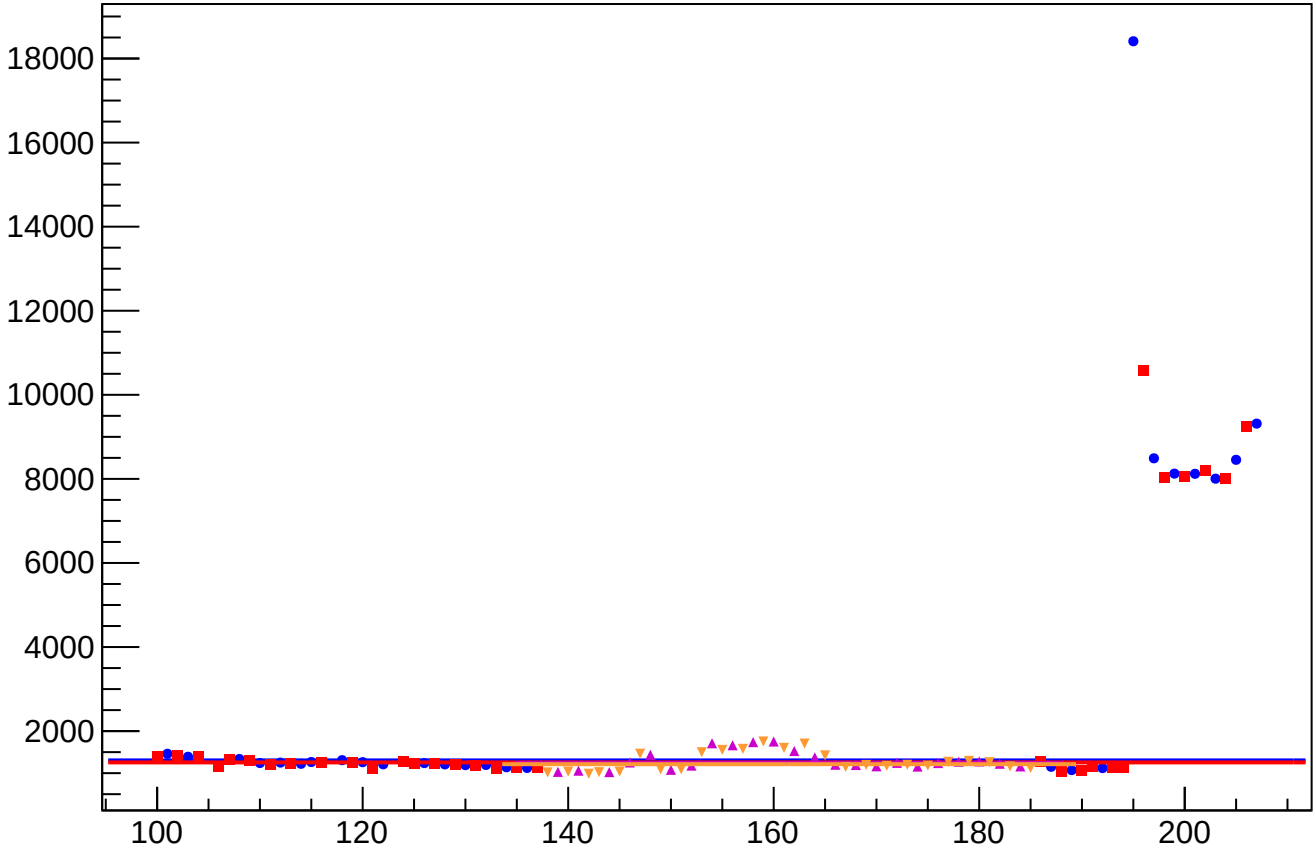
Right: -0.880+/-0.269 χ^2/NDF: 2343.8/56

In: -1.275+/-0.238 χ^2/NDF:732.1/48

Out: 2.199+/-0.221 χ^2/NDF:1630.8/55

All: 0.588+/-0.162 χ^2/NDF: 2477.3/104

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1303.039+/-0.286 χ^2/NDF: 9040370.9/25

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

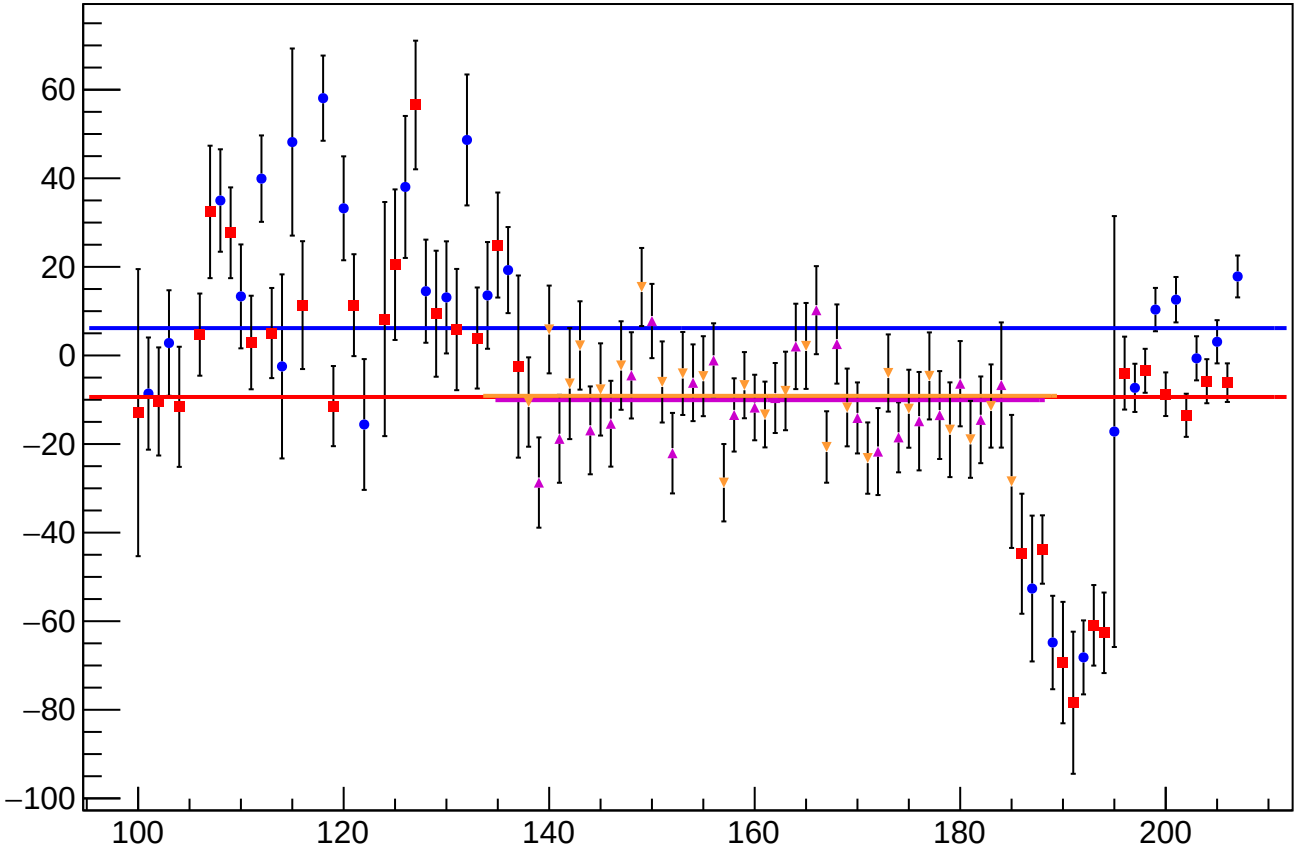
Right: 1276.589+/-0.190 χ^2/NDF: 16821455.4/56

In: 1261.318+/-0.168 χ^2/NDF:9958629.4/48

Out: 1229.301+/-0.156 χ^2/NDF:8795751.7/55

All: 1244.147+/-0.115 χ^2/NDF: 18773817.4/

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 6.176+/-1.636 χ^2/NDF: 230.3/25

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

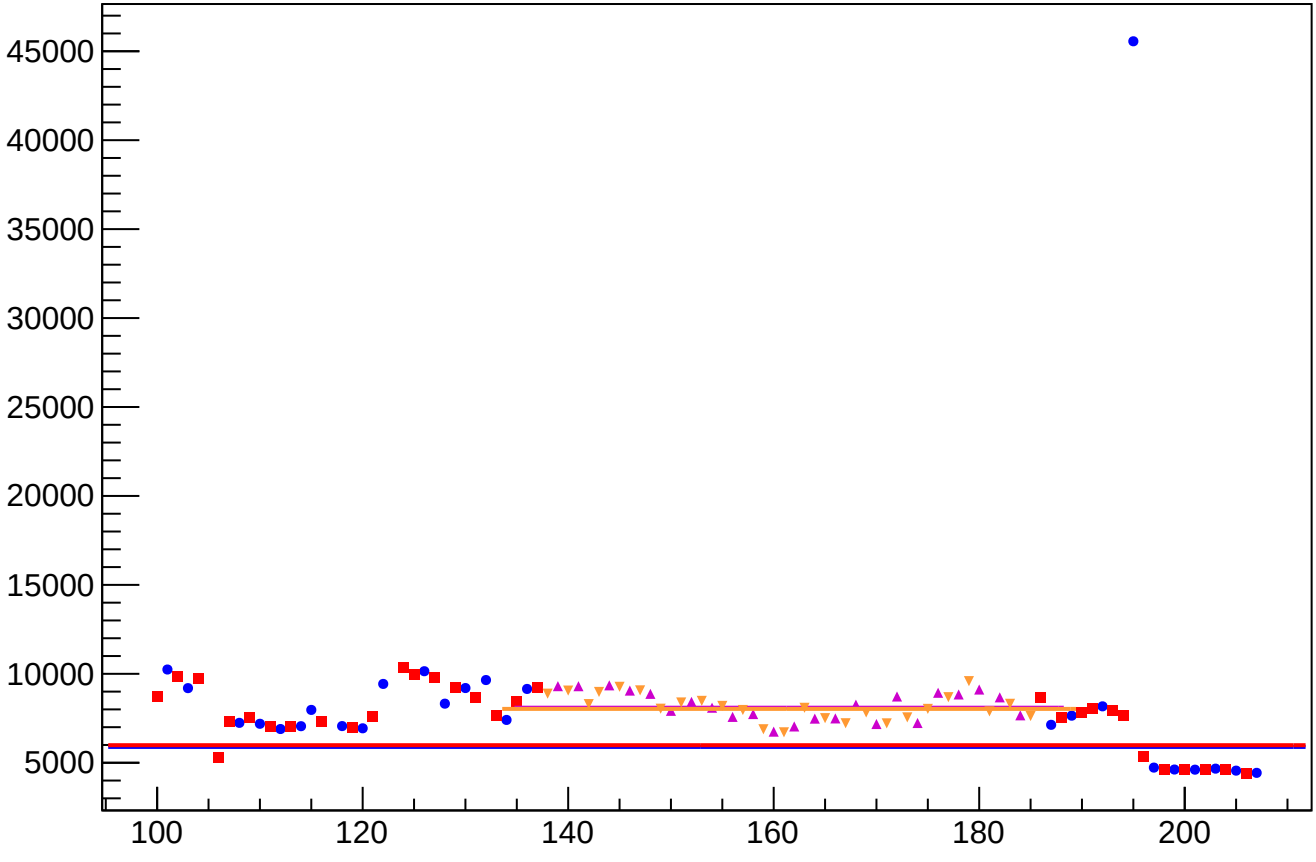
Right: -1.930+/-1.132 χ^2/NDF: 480.8/56

In: -0.706+/-1.243 χ^2/NDF:296.4/48

Out: -9.267+/-1.194 χ^2/NDF:232.2/55

All: -5.157+/-0.861 χ^2/NDF: 553.2/104

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 5890.939+/-1.157 χ^2/NDF: 3757358.3/25

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

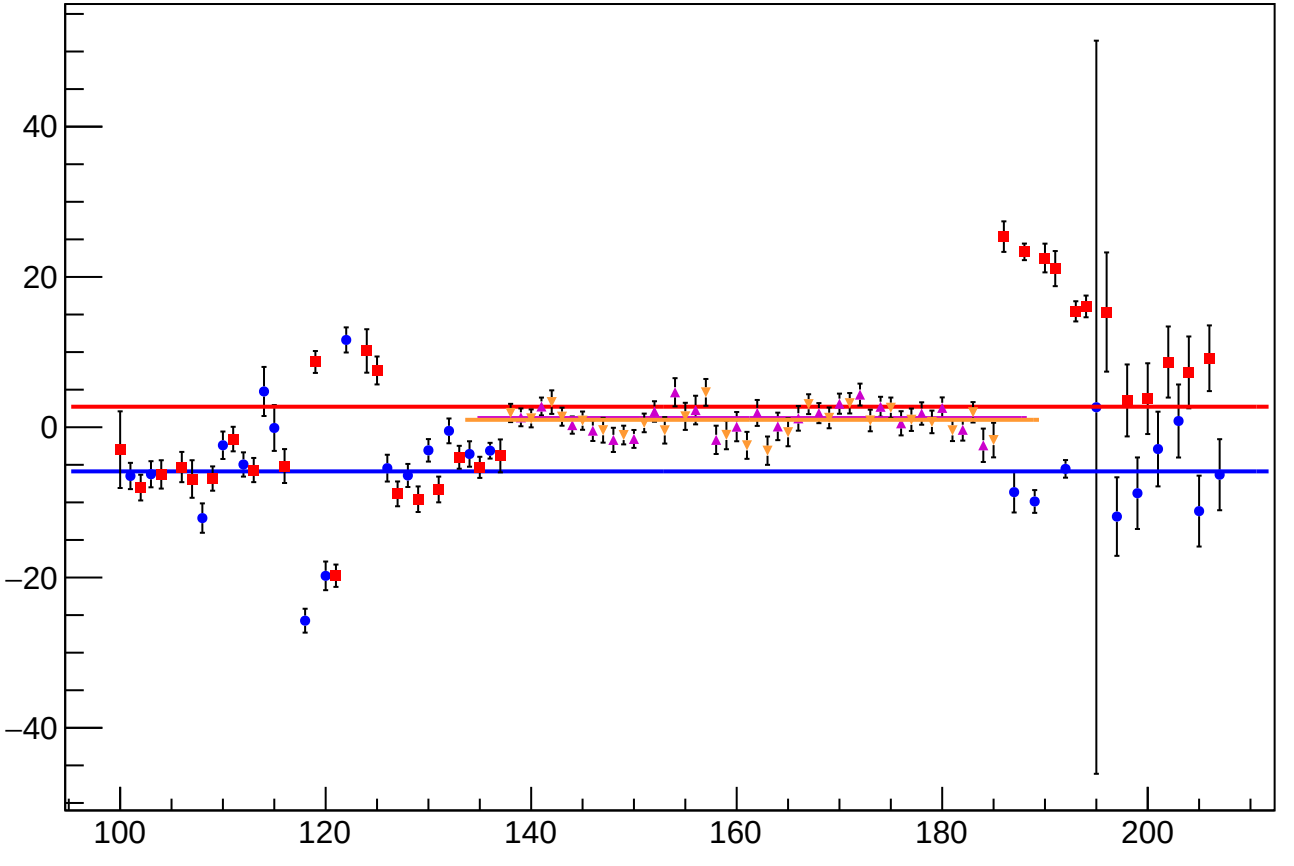
Right: 5941.152+/-0.801 χ^2/NDF: 6280693.8/56

In: 6823.395+/-0.879 χ^2/NDF:5659990.3/48

Out: 6844.841+/-0.845 χ^2/NDF:4274812.6/55

All: 6834.547+/-0.609 χ^2/NDF: 9935112.4/10

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.874+/-0.373 χ^2/NDF: 383.9/25

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

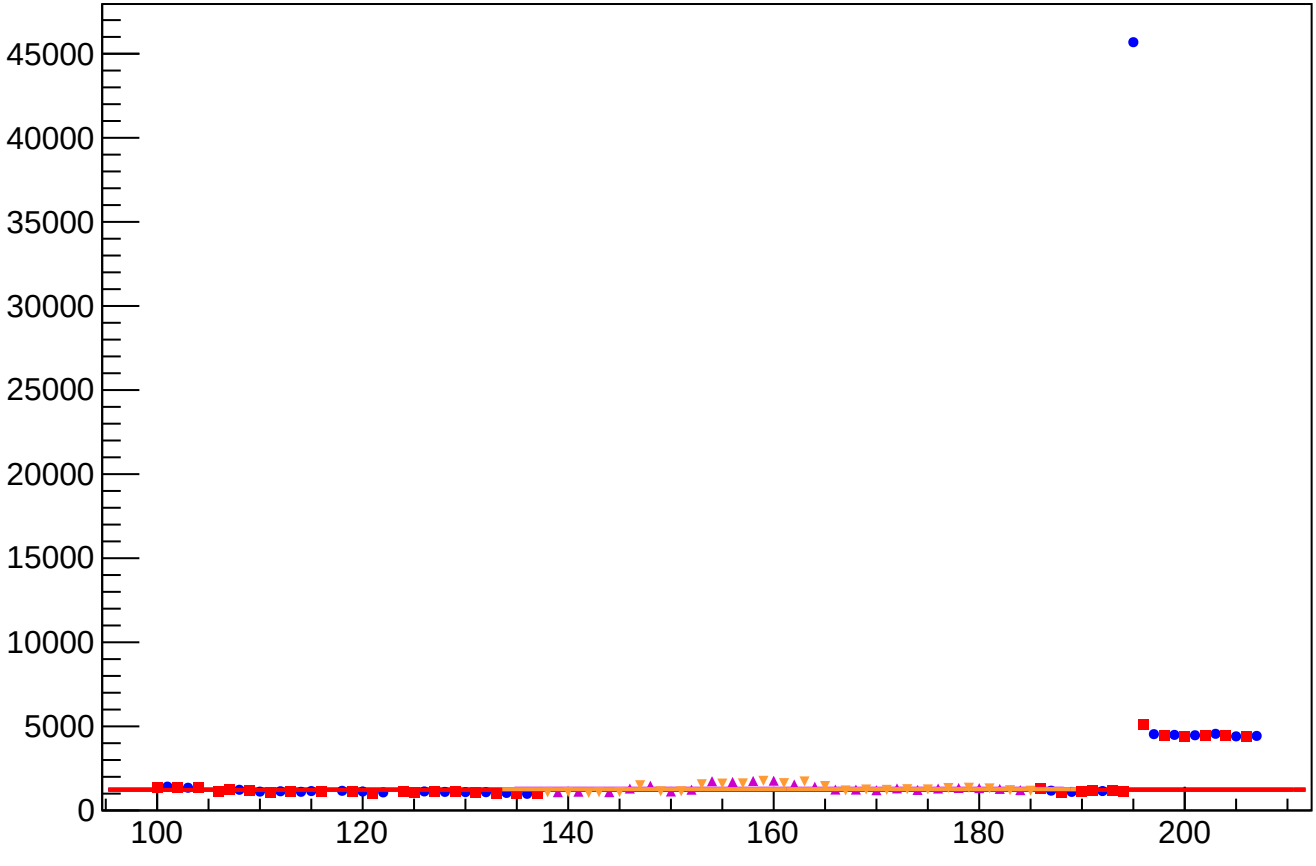
Right: -1.155+/-0.250 χ^2/NDF: 2139.7/56

In: -1.643+/-0.237 χ^2/NDF:633.1/48

Out: 1.734+/-0.221 χ^2/NDF:1509.7/55

All: 0.160+/-0.162 χ^2/NDF: 2251.4/104

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1250.113+/-0.264 χ^2/NDF: 7294035.8/25

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

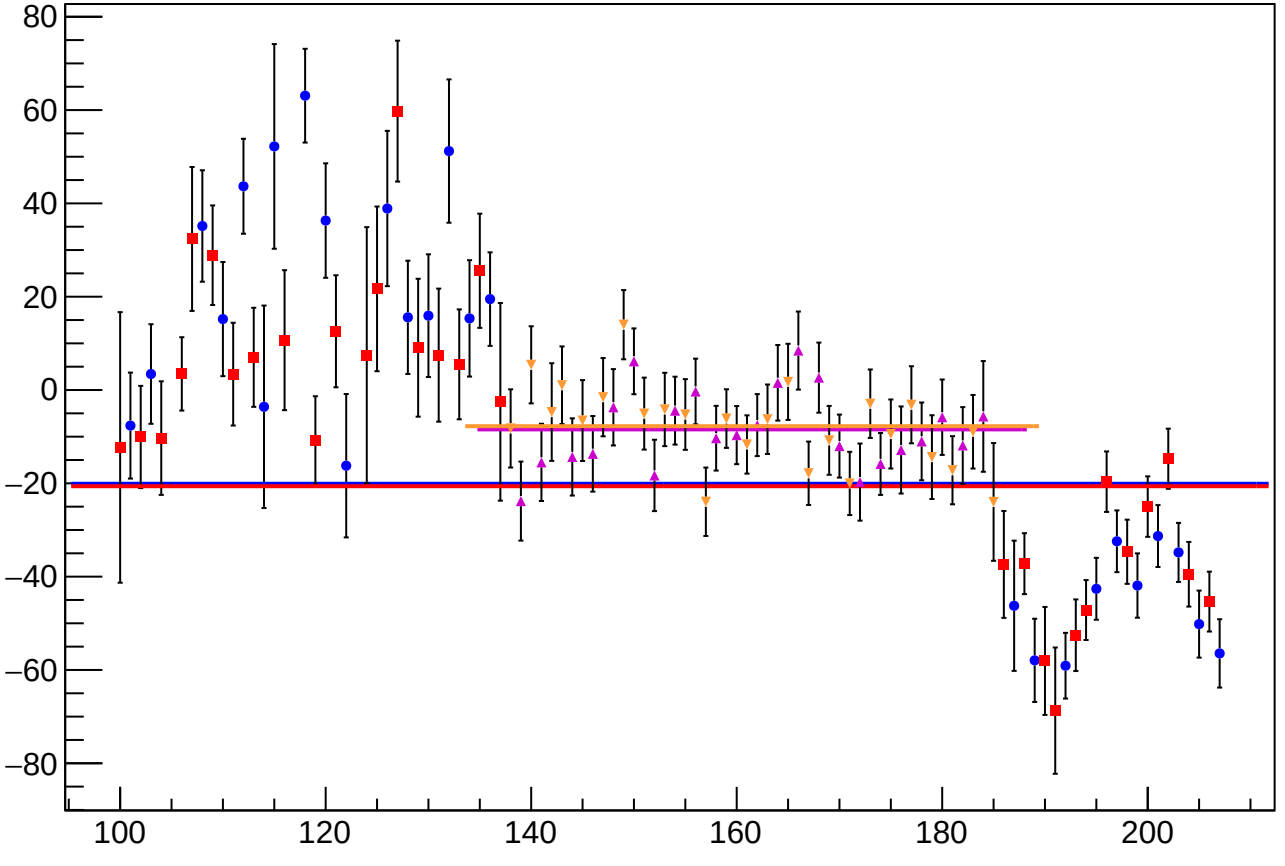
Right: 1234.442+/-0.177 χ^2/NDF: 12829910.5/56

In: 1276.334+/-0.167 χ^2/NDF:8068827.1/48

Out: 1247.792+/-0.156 χ^2/NDF:6428910.8/55

All: 1261.094+/-0.114 χ^2/NDF: 14513257.9/1

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -20.096+/-1.851 χ^2/NDF: 377.8/25

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

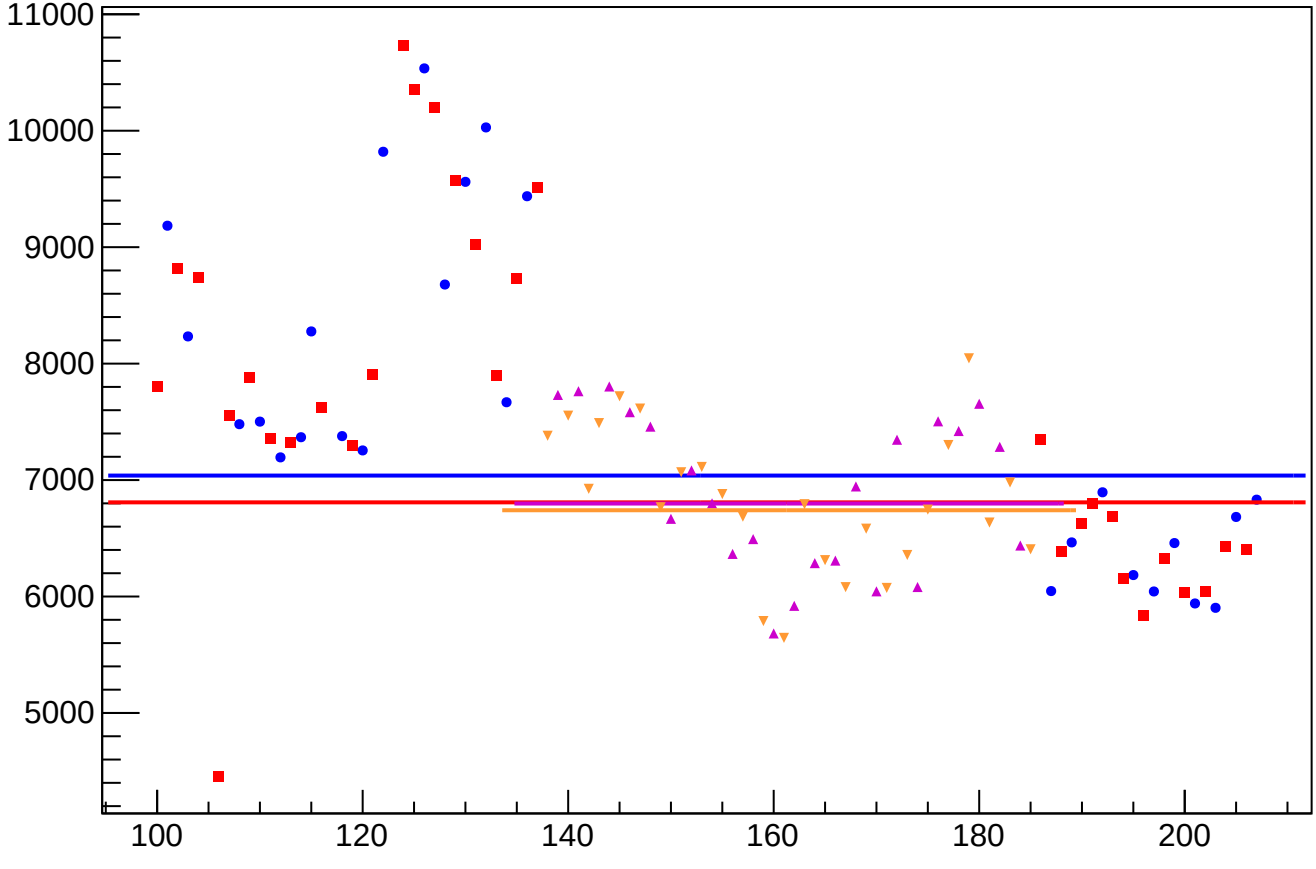
Right: -20.380+/-1.255 χ^2/NDF: 603.7/56

In: -13.440+/-1.212 χ^2/NDF:425.2/48

Out: -13.551+/-1.146 χ^2/NDF:287.5/55

All: -13.498+/-0.833 χ^2/NDF: 712.7/104

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7038.676+/-1.309 χ^2/NDF: 809053.8/25

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

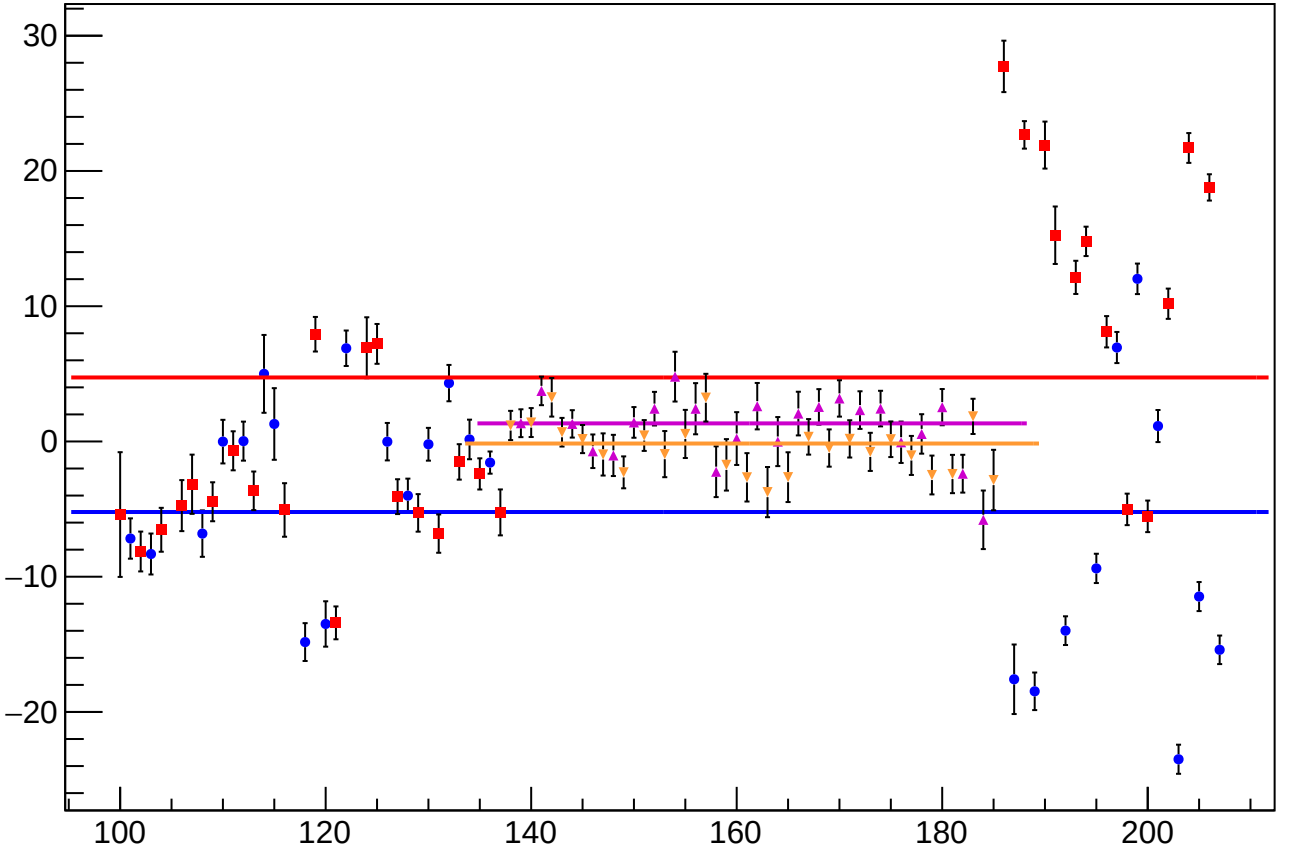
Right: 6914.408+/-0.888 χ^2/NDF: 1786952.2/56

In: 6901.565+/-0.857 χ^2/NDF:1181552.3/48

Out: 6771.374+/-0.811 χ^2/NDF:1279648.2/55

All: 6832.826+/-0.589 χ^2/NDF: 2473375.6/10

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -5.216+/-0.255 χ^2/NDF: 1308.7/25

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

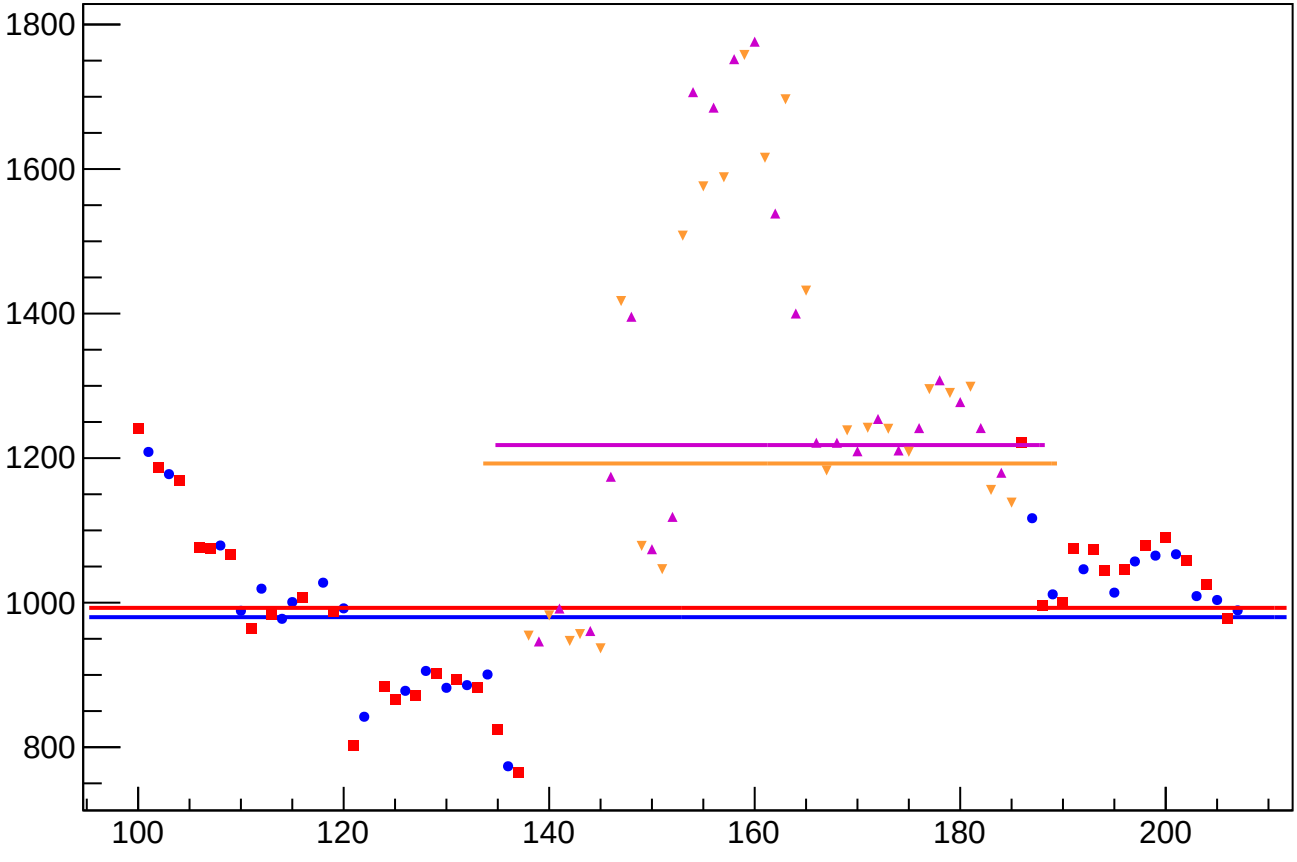
Right: -0.070+/-0.177 χ^2/NDF: 4201.5/56

In: -2.366+/-0.191 χ^2/NDF:1640.9/48

Out: 2.577+/-0.184 χ^2/NDF:2312.9/55

All: 0.205+/-0.133 χ^2/NDF: 4300.9/104

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 979.934+/-0.180 χ^2/NDF: 337498.1/25

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

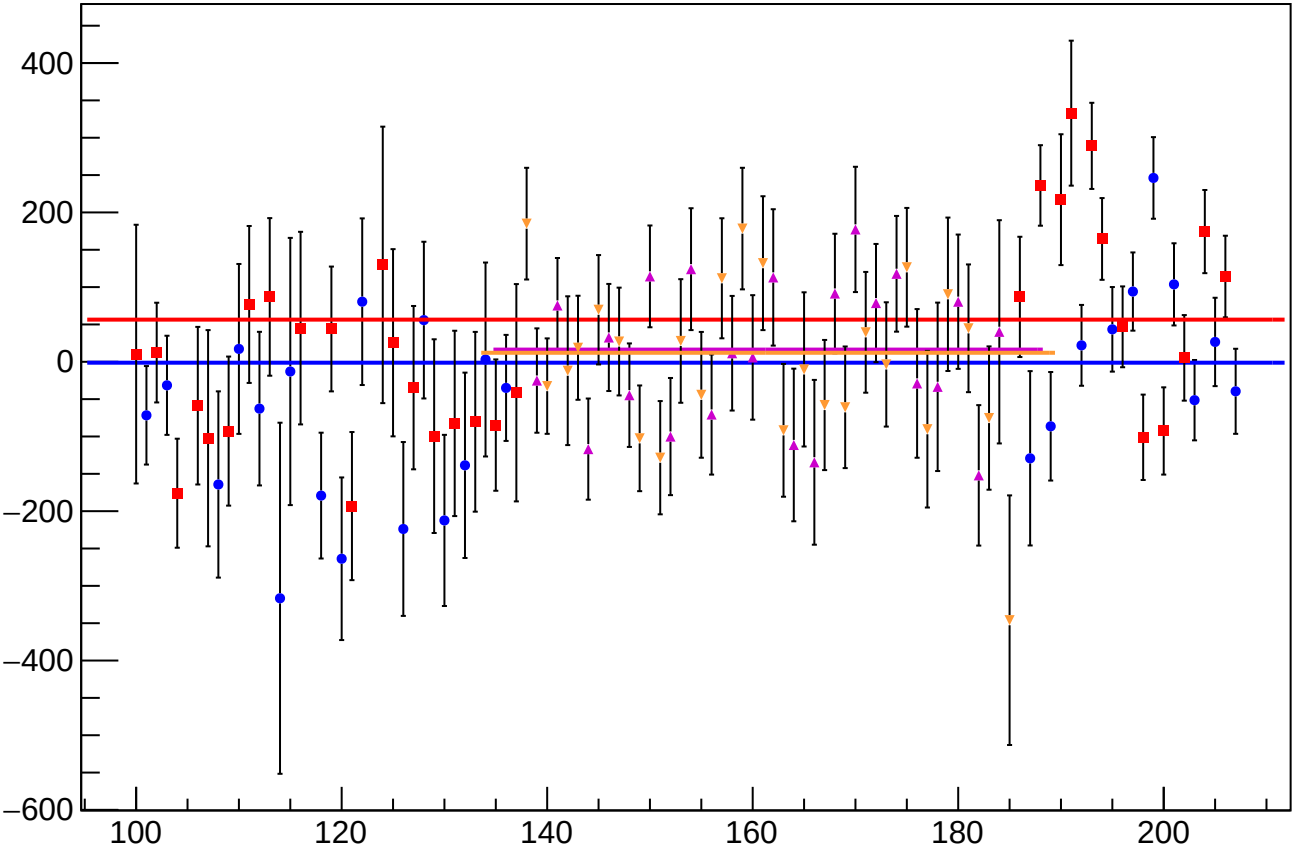
Right: 986.591+/-0.125 χ^2/NDF: 698925.2/56

In: 1083.500+/-0.135 χ^2/NDF:2226558.7/48

Out: 1080.949+/-0.130 χ^2/NDF:2261504.1/55

All: 1082.173+/-0.094 χ^2/NDF: 4488247.8/10

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.205+/-14.911 χ^2/NDF: 57.2/25

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

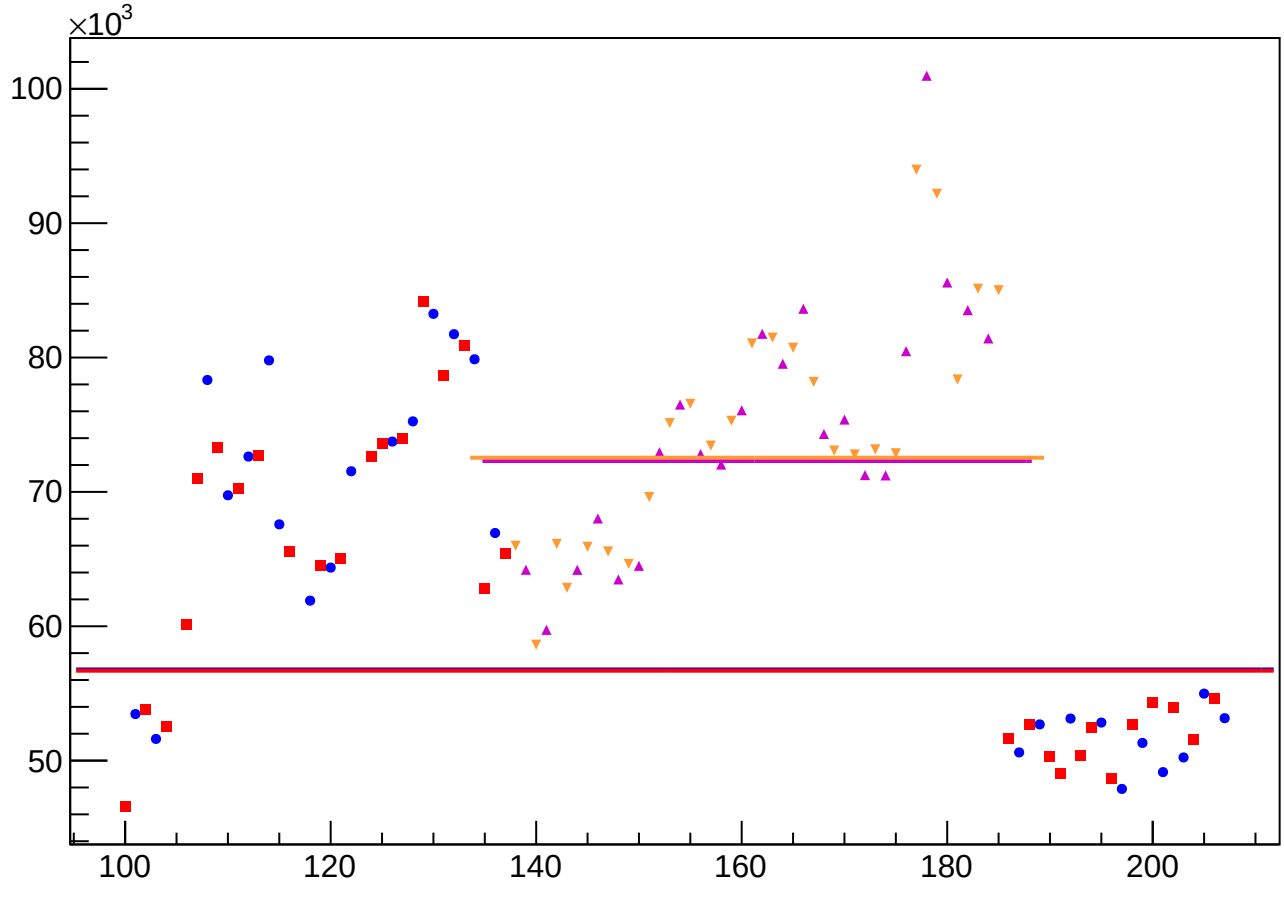
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 29.118+/-10.268 χ^2/NDF: 158.2/56

In: 6.415+/-11.215 χ^2/NDF:86.5/48

Out: 37.781+/-10.775 χ^2/NDF:130.1/55

All: 22.725+/-7.770 χ^2/NDF: 220.7/104



Right In: 56784.522+/-10.544 χ^2/NDF: 811764.4/25

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56693.615+/-10.012 χ^2/NDF: 725283.4/30

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

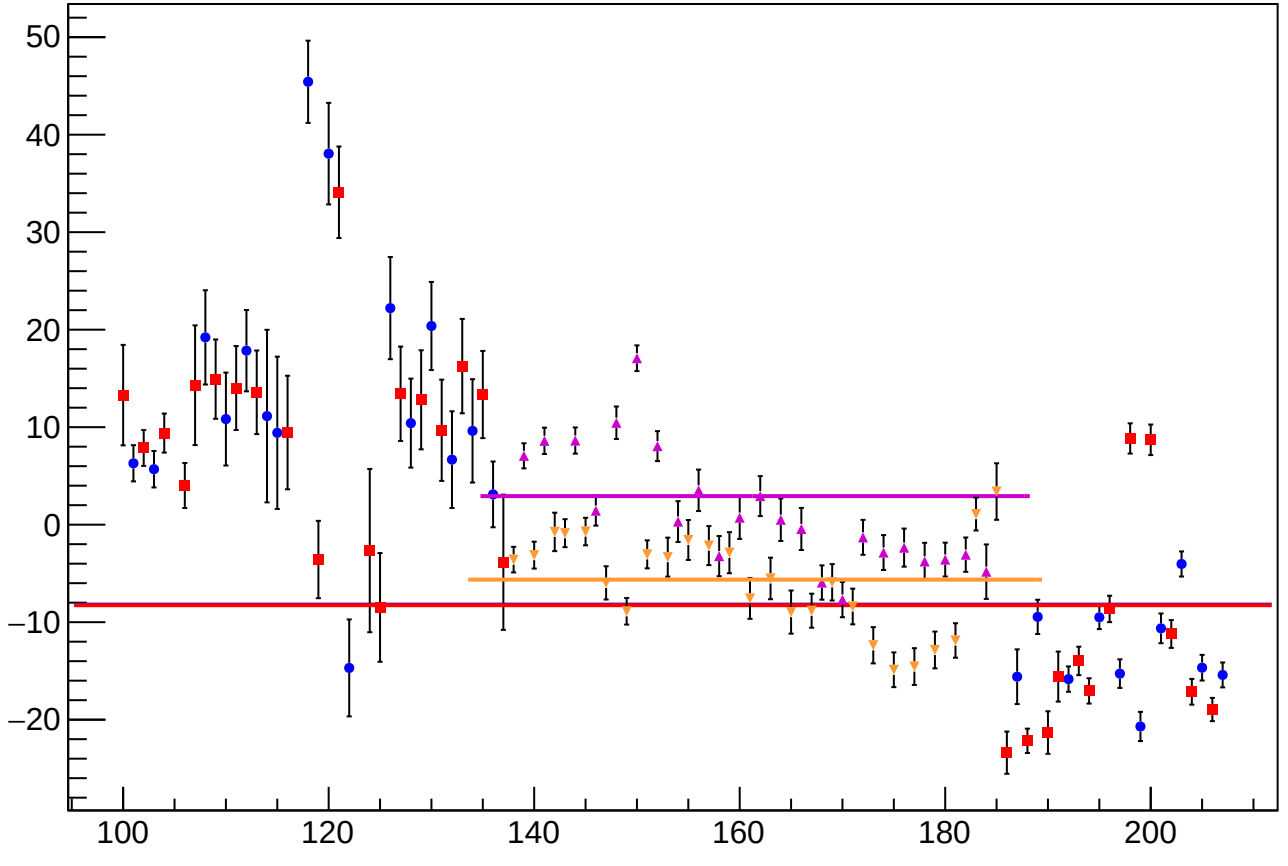
Right: 56736.720+/-7.260 χ^2/NDF: 1537086.9/56

In: 63523.305+/-7.930 χ^2/NDF:2241062.4/48

Out: 63365.673+/-7.619 χ^2/NDF:2280287.9/55

All: 63441.336+/-5.494 χ^2/NDF: 4521555.7/

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -8.202+/-0.407 χ^2/NDF: 782.6/25

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

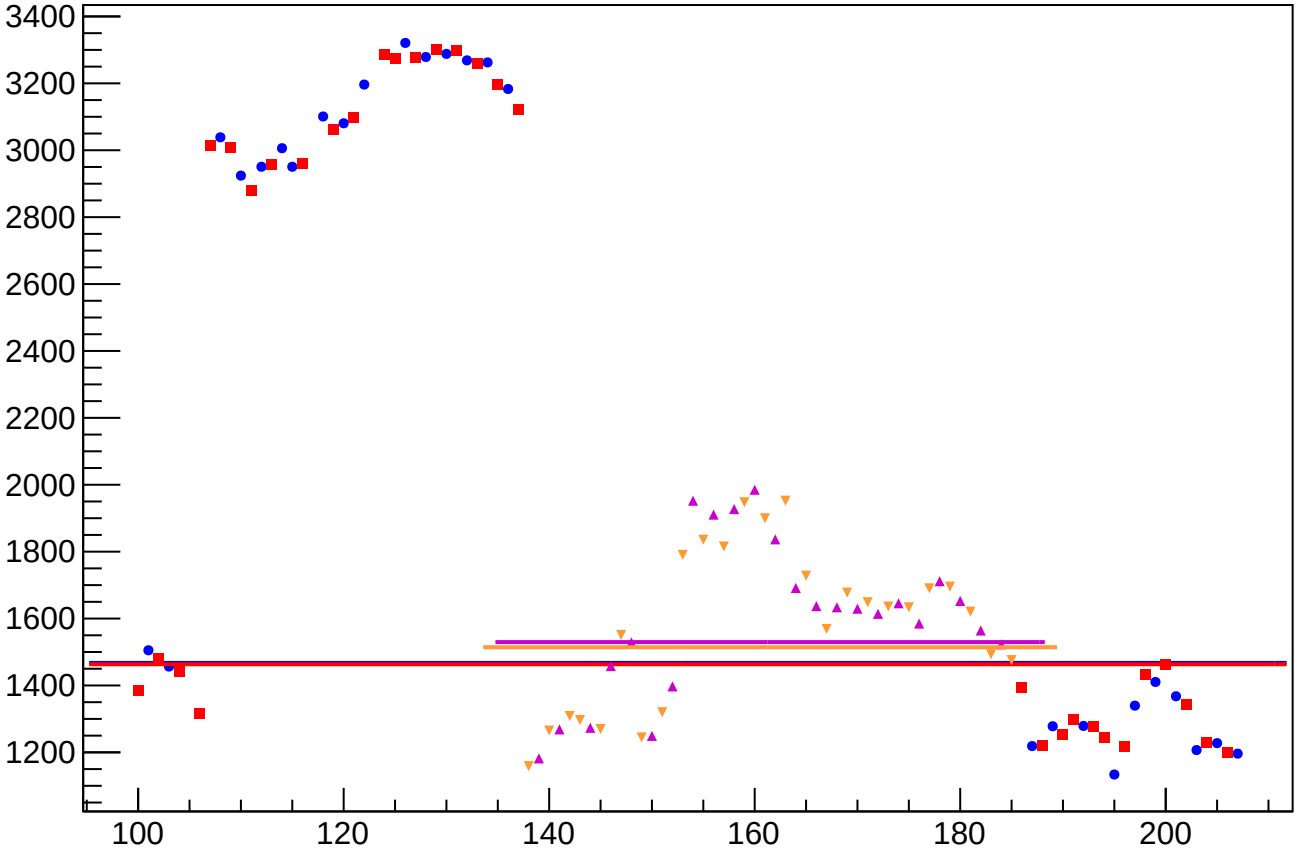
Right: -8.231+/-0.279 χ^2/NDF: 1919.9/56

In: -1.993+/-0.271 χ^2/NDF:1537.4/48

Out: -6.823+/-0.258 χ^2/NDF:1341.1/55

All: -4.522+/-0.187 χ^2/NDF: 3045.3/104

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1467.415+/-0.288 χ^2/NDF: 3917527.6/25

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

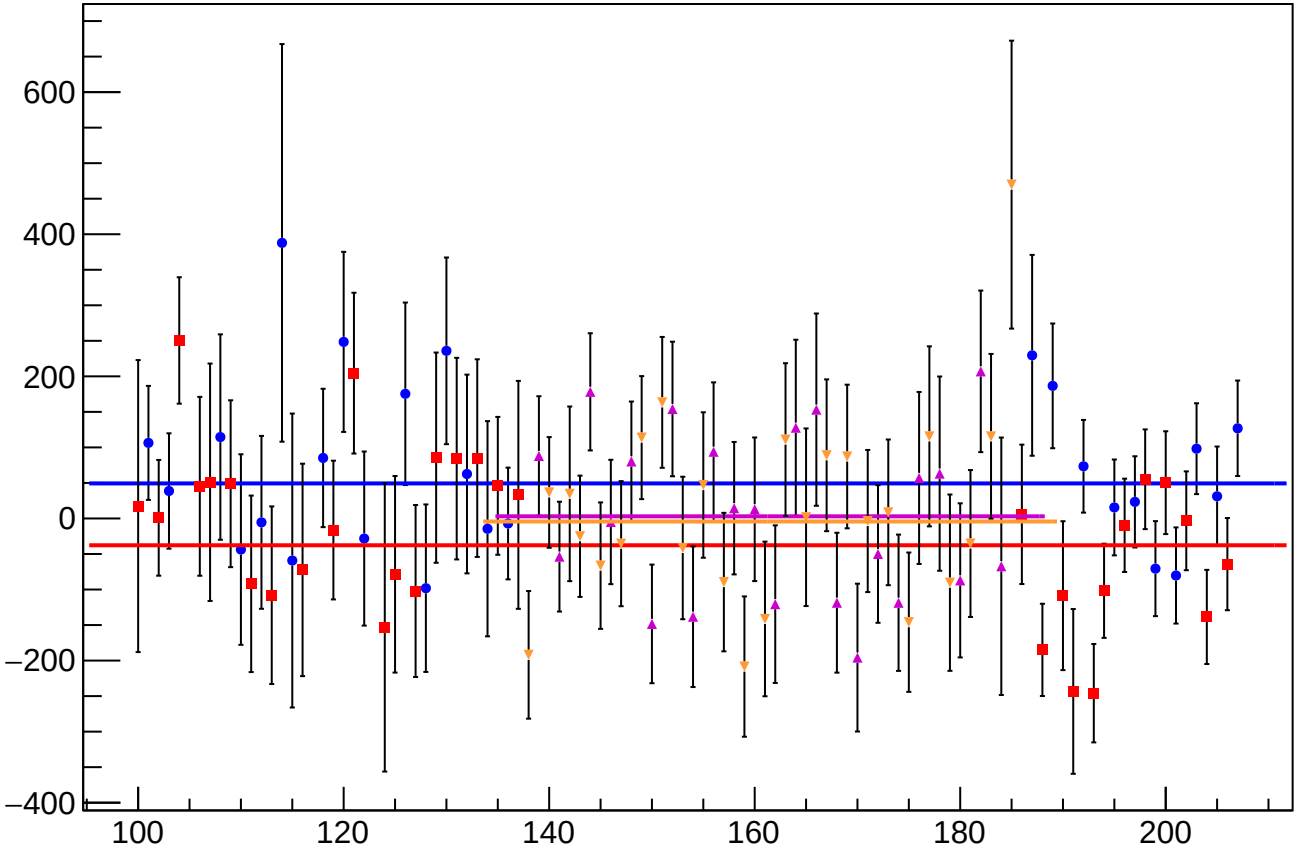
Right: 1465.274+/-0.197 χ^2/NDF: 7725016.1/56

In: 1502.121+/-0.191 χ^2/NDF:4772096.9/48

Out: 1491.248+/-0.183 χ^2/NDF:4760031.5/55

All: 1496.429+/-0.132 χ^2/NDF: 9533819.1/10

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 49.322+/-17.717 χ^2/NDF: 24.9/25

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

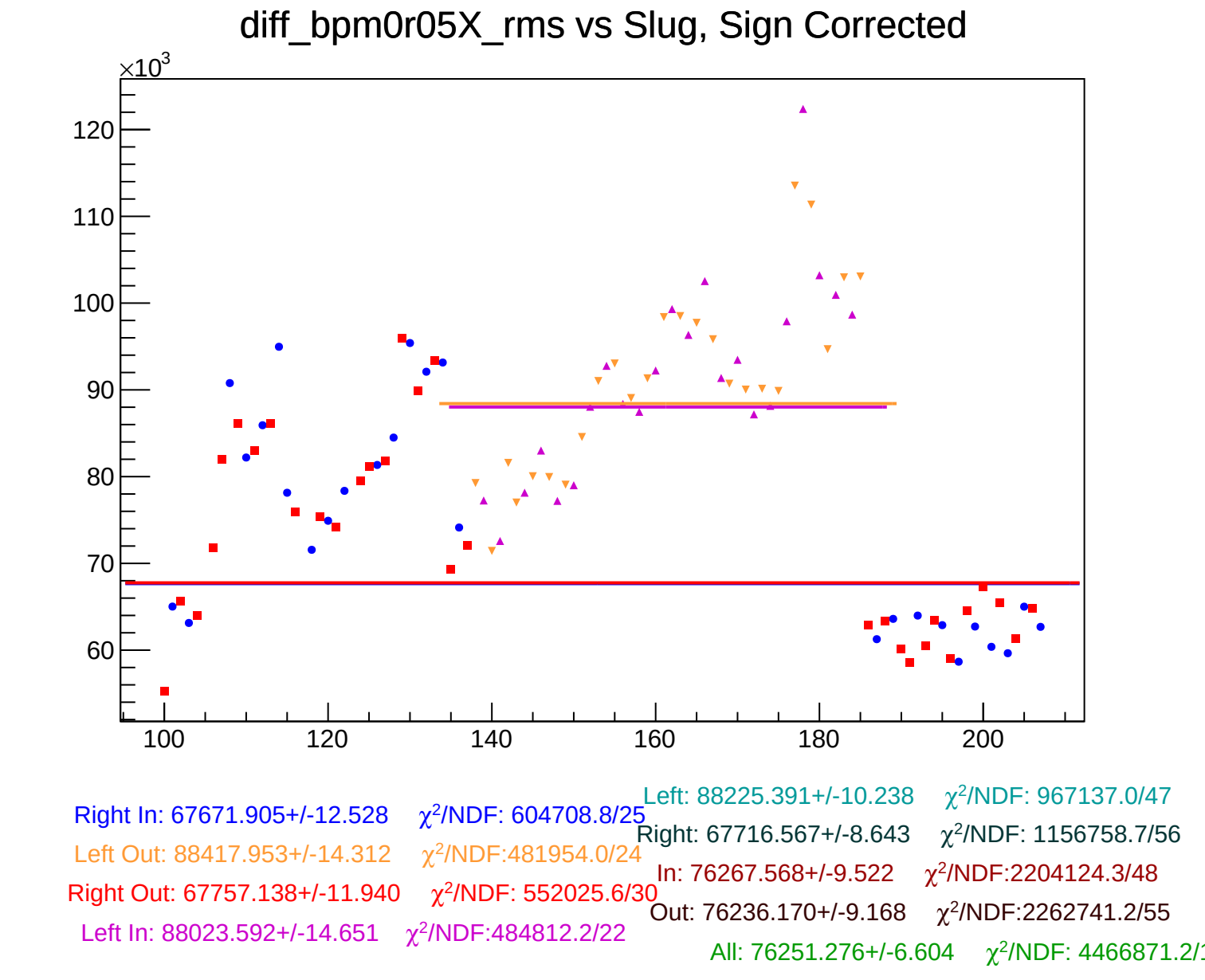
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 3.720+/-12.224 χ^2/NDF: 83.7/56

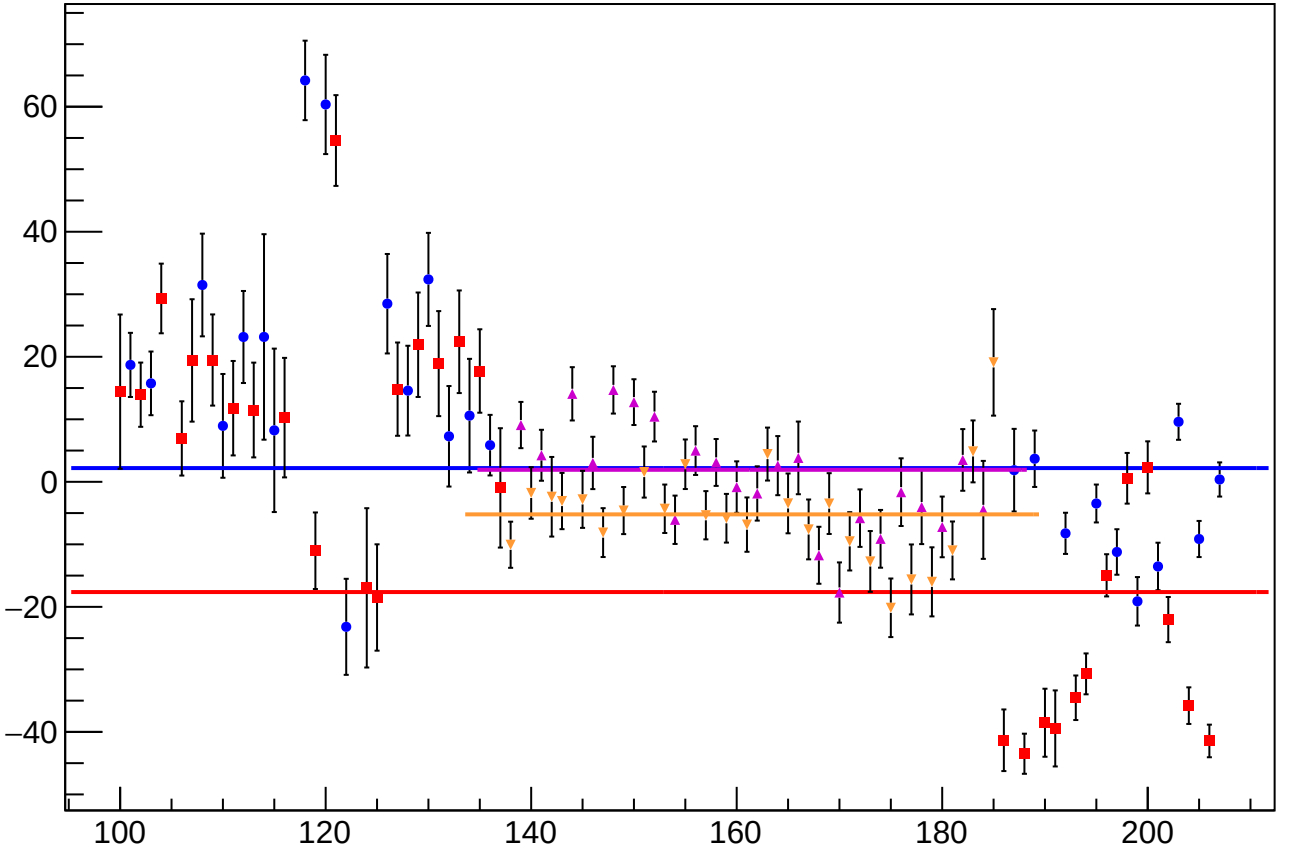
In: 29.765+/-13.466 χ^2/NDF:58.5/48

Out: -23.984+/-12.966 χ^2/NDF:78.2/55

All: 1.875+/-9.340 χ^2/NDF: 145.0/104


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 67671.905+/-12.528 χ²/NDF: 604708.8/25
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: 67716.567+/-8.643 χ²/NDF: 1156758.7/56
In: 76267.568+/-9.522 χ²/NDF:2204124.3/48
Out: 76236.170+/-9.168 χ²/NDF:2262741.2/55
All: 76251.276+/-6.604 χ²/NDF: 4466871.2/

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 2.199+/-0.923 χ^2/NDF: 329.7/25

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

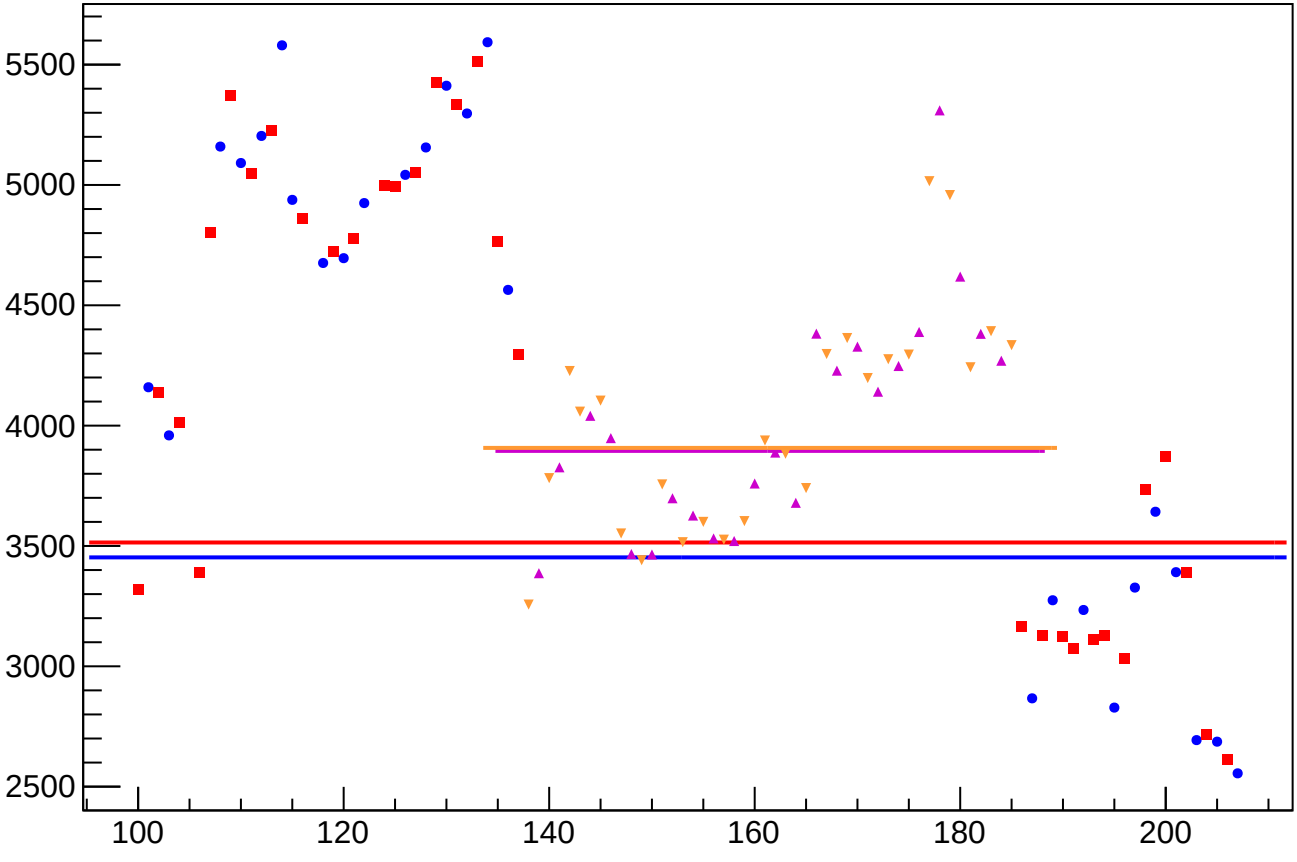
Right: -8.064+/-0.641 χ^2/NDF: 1316.7/56

In: 2.060+/-0.650 χ^2/NDF:413.0/48

Out: -11.436+/-0.631 χ^2/NDF:896.0/55

All: -4.890+/-0.453 χ^2/NDF: 1530.8/104

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3452.567+/-0.653 χ^2/NDF: 1858872.9/25

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3514.463+/-0.630 χ^2/NDF: 1711089.5/30

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

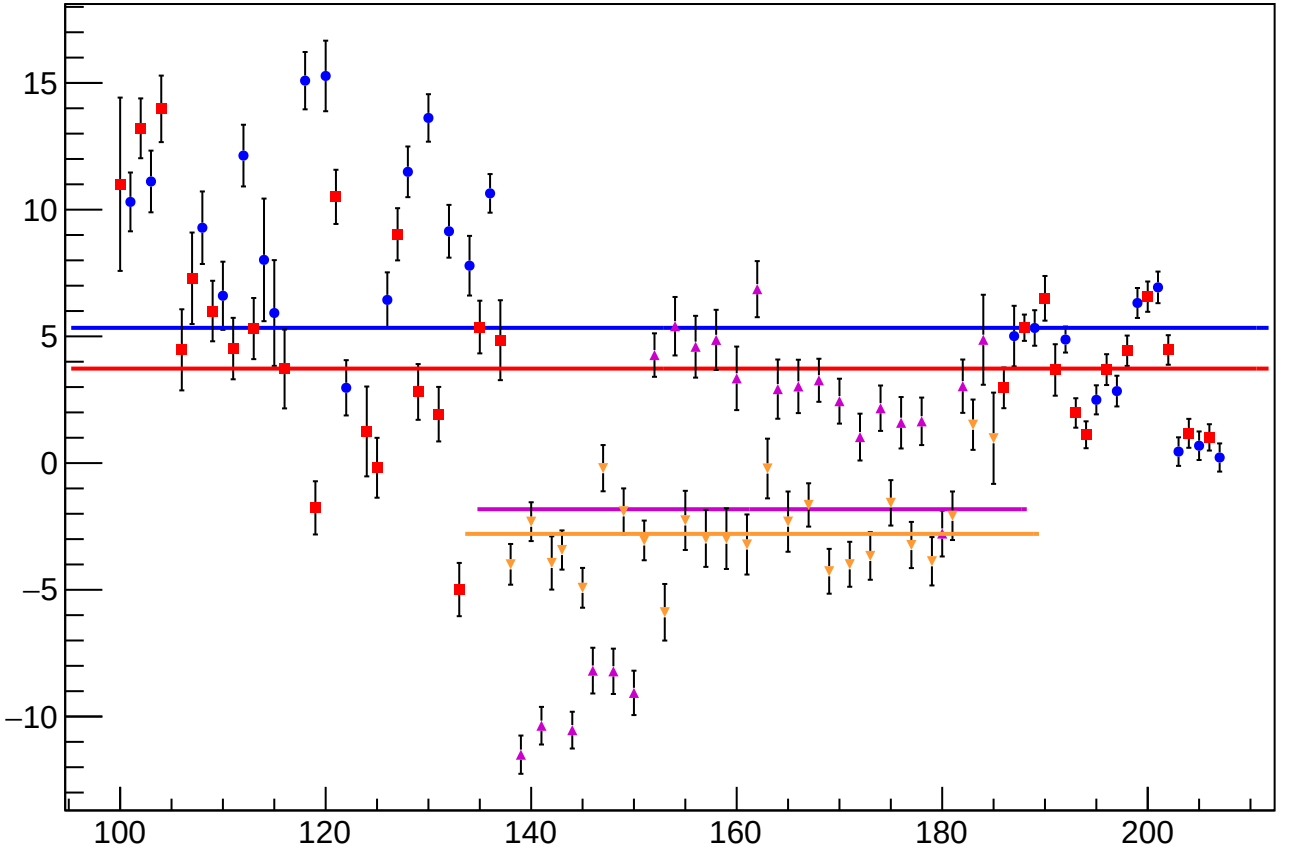
Right: 3484.598+/-0.453 χ^2/NDF: 3574615.5/56

In: 3675.488+/-0.460 χ^2/NDF:2500315.2/48

Out: 3710.418+/-0.446 χ^2/NDF:2346144.2/55

All: 3693.475+/-0.320 χ^2/NDF: 4849430.7/10

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 5.336+/-0.160 χ^2/NDF: 675.0/25

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

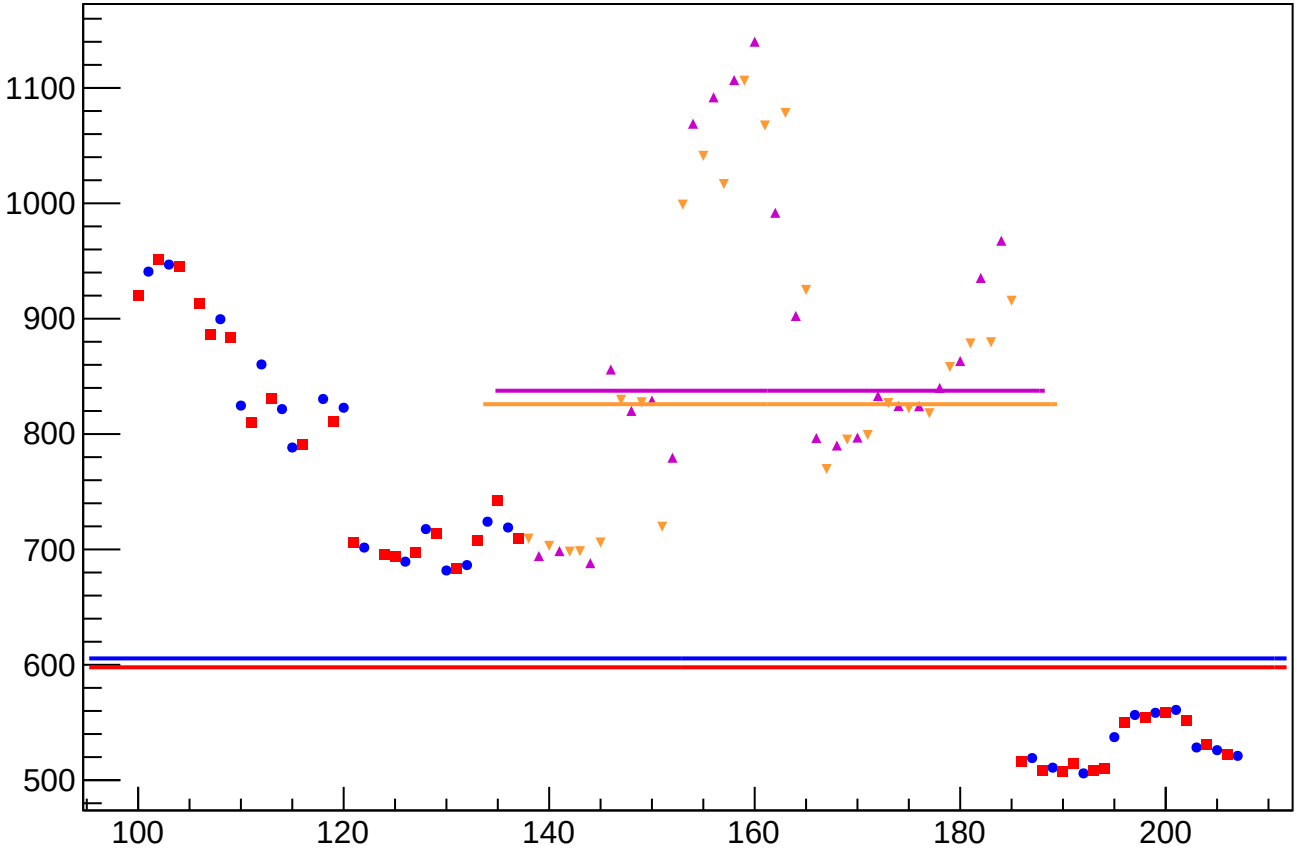
Right: 4.485+/-0.109 χ^2/NDF: 1177.6/56

In: 2.522+/-0.124 χ^2/NDF:2492.3/48

Out: 1.221+/-0.118 χ^2/NDF:1241.7/55

All: 1.837+/-0.086 χ^2/NDF: 3791.7/104

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 605.544+/-0.113 χ^2/NDF: 1161383.3/25

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

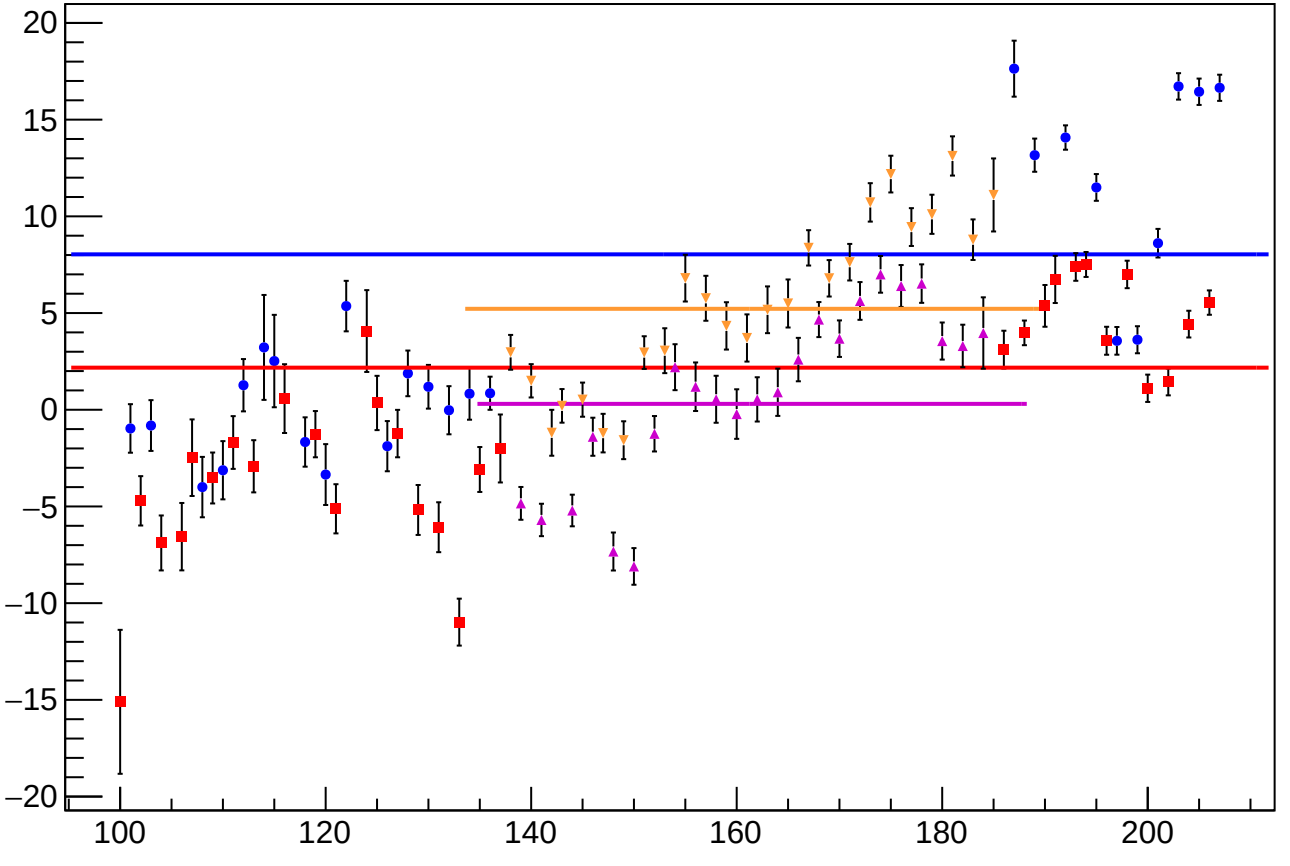
Right: 601.461+/-0.077 χ^2/NDF: 2488458.5/56

In: 696.785+/-0.088 χ^2/NDF:3539154.4/48

Out: 685.545+/-0.083 χ^2/NDF:3861364.9/55

All: 690.869+/-0.060 χ^2/NDF: 7409131.5/104

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 8.035+/-0.189 χ^2/NDF: 1374.7/25

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

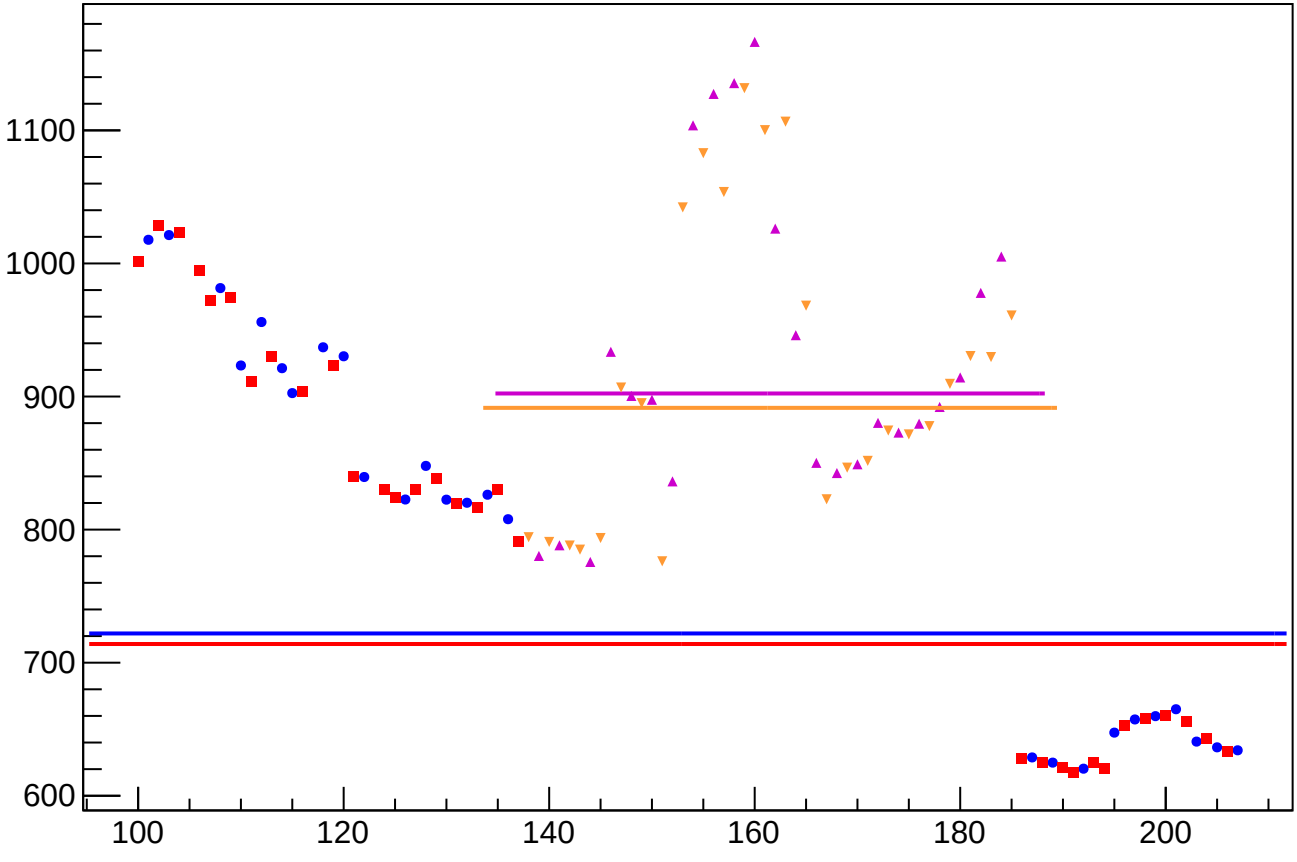
Right: 4.935+/-0.130 χ^2/NDF: 2560.2/56

In: 4.620+/-0.141 χ^2/NDF:2607.7/48

Out: 3.493+/-0.134 χ^2/NDF:1253.7/55

All: 4.028+/-0.097 χ^2/NDF: 3894.8/104

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 721.963+/-0.134 χ^2/NDF: 838235.7/25

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

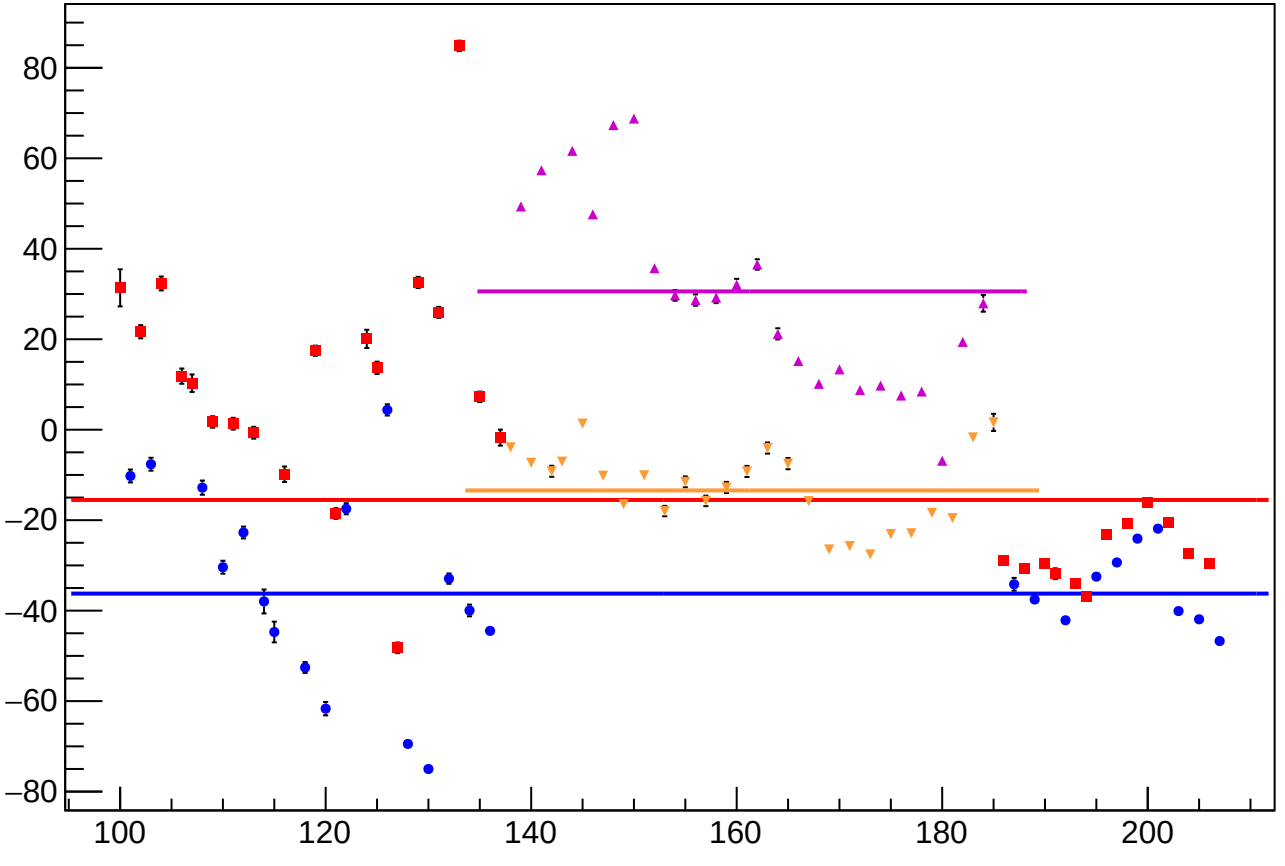
Right: 717.768+/-0.092 χ^2/NDF: 1797436.8/56

In: 801.624+/-0.100 χ^2/NDF:2125991.7/48

Out: 790.808+/-0.095 χ^2/NDF:2330687.8/55

All: 795.945+/-0.069 χ^2/NDF: 4462828.0/104

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -36.234+/-0.186 χ^2/NDF: 6451.5/25

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

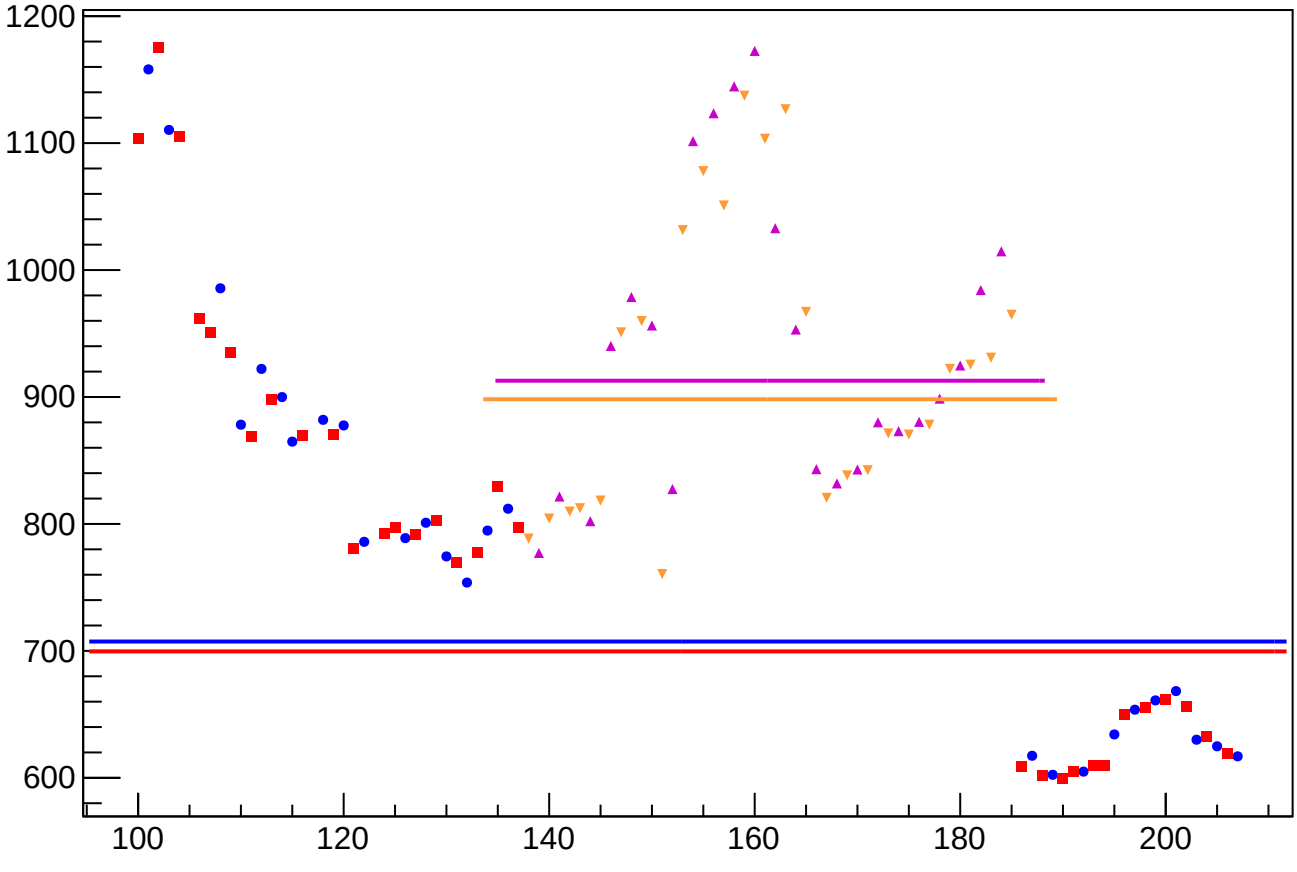
Right: -25.274+/-0.127 χ^2/NDF: 32887.1/56

In: -7.742+/-0.141 χ^2/NDF:72120.3/48

Out: -14.643+/-0.133 χ^2/NDF:21567.3/55

All: -11.373+/-0.097 χ^2/NDF: 94956.3/104

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 707.372+/-0.131 χ^2/NDF: 913493.0/25

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

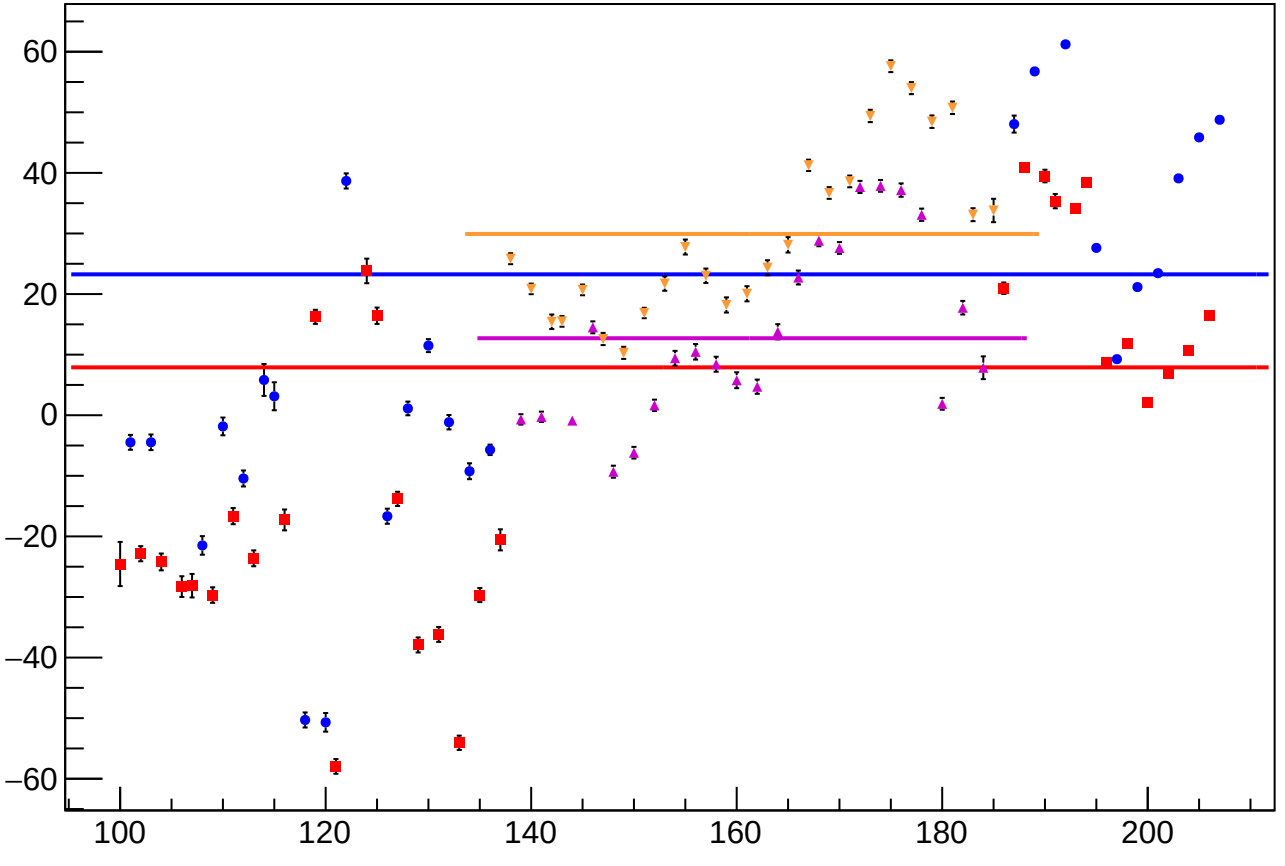
Right: 703.255+/-0.090 χ^2/NDF: 1940748.0/56

In: 794.992+/-0.099 χ^2/NDF:2439157.3/48

Out: 782.876+/-0.094 χ^2/NDF:2624124.1/55

All: 788.617+/-0.068 χ^2/NDF: 5071103.1/104

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 23.254+/-0.184 χ^2/NDF: 22125.0/25

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

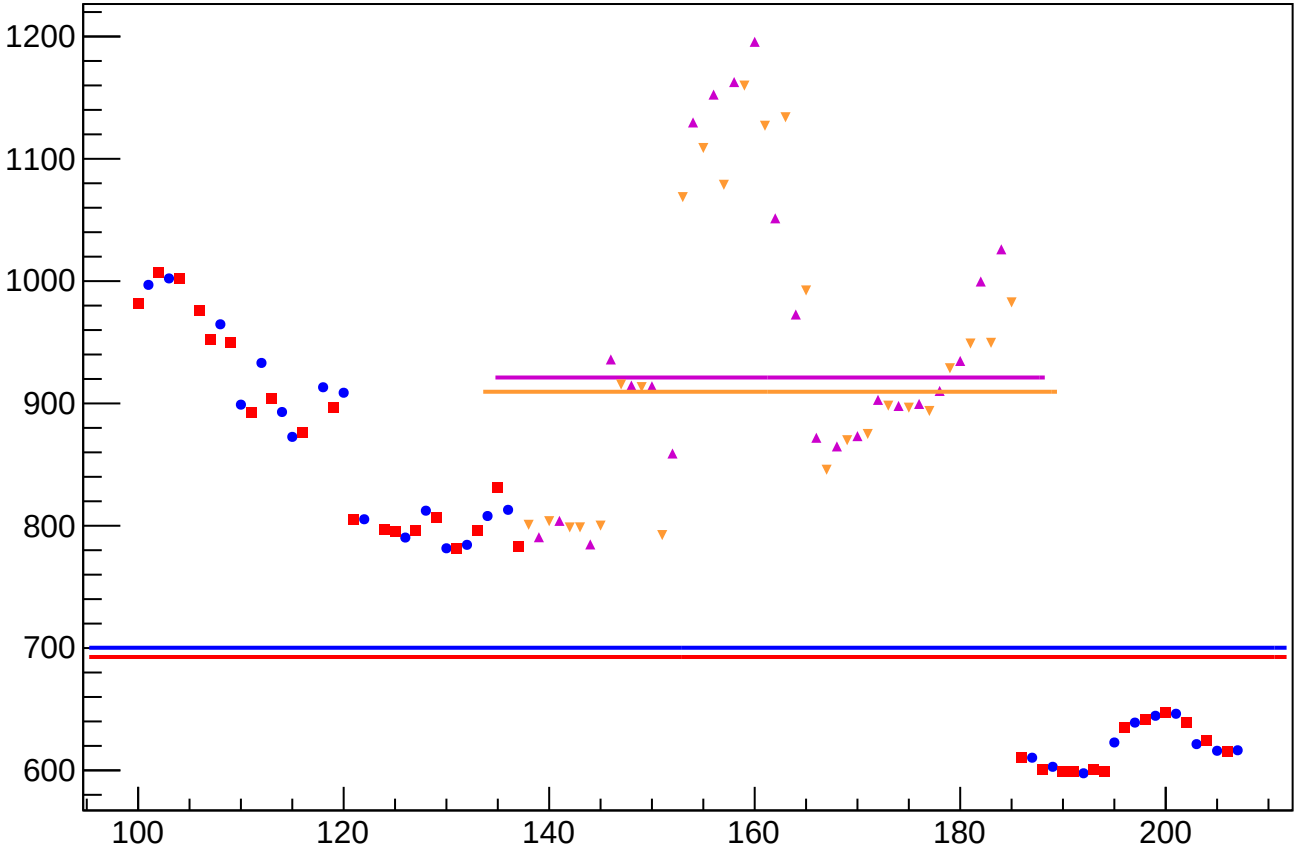
Right: 15.131+/-0.126 χ^2/NDF: 48672.5/56

In: 18.859+/-0.140 χ^2/NDF:28292.1/48

Out: 16.886+/-0.133 χ^2/NDF:34025.2/55

All: 17.823+/-0.097 χ^2/NDF: 62421.4/104

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 700.254+/-0.130 χ^2/NDF: 869358.5/25

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

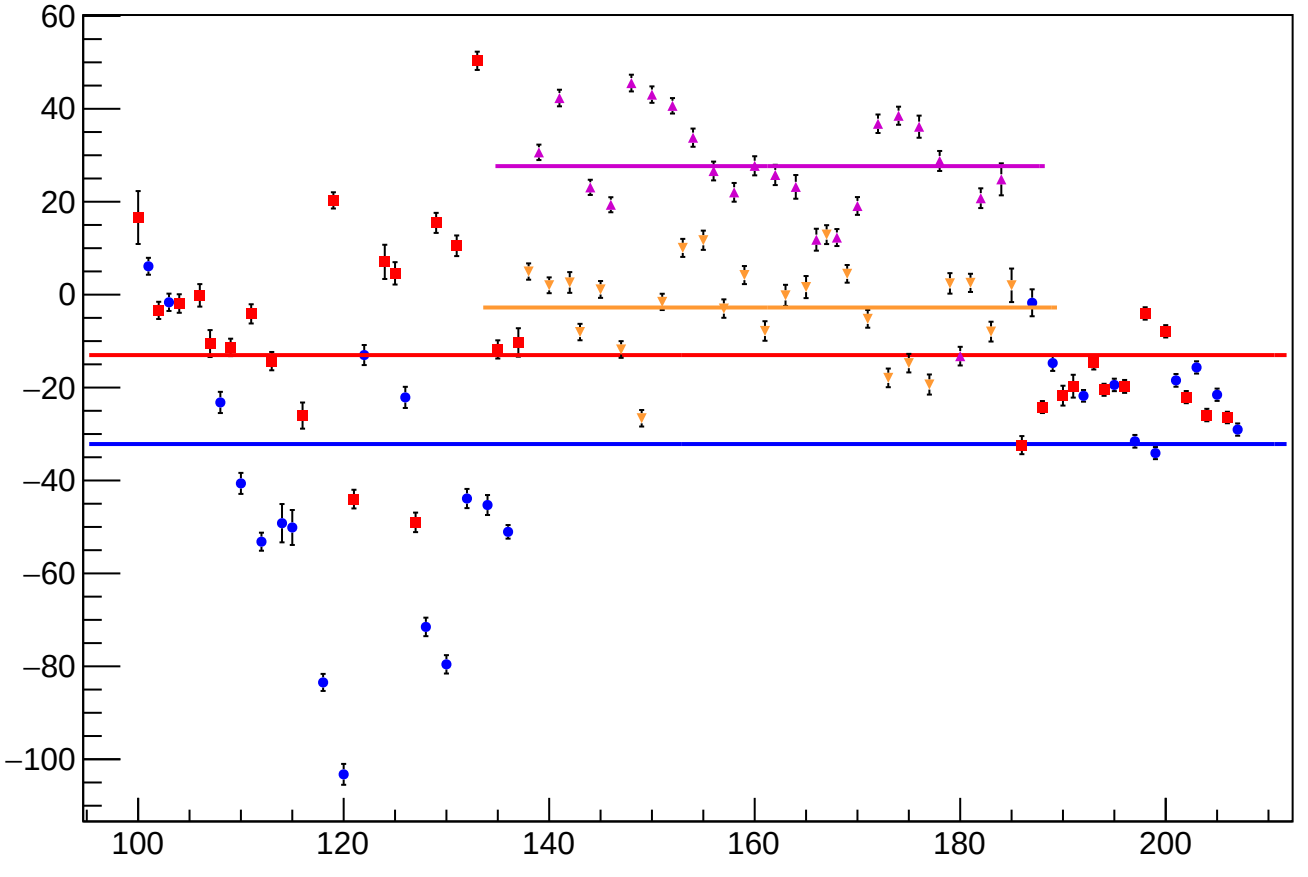
Right: 696.251+/-0.089 χ^2/NDF: 1855677.6/56

In: 792.335+/-0.099 χ^2/NDF:2574540.3/48

Out: 781.178+/-0.094 χ^2/NDF:2806334.5/55

All: 786.473+/-0.068 χ^2/NDF: 5387532.9/104

diff_bpm0i02X_mean vs Slug, Sign Corrected



Right In: -32.157+/-0.338 χ^2/NDF: 4681.9/25

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

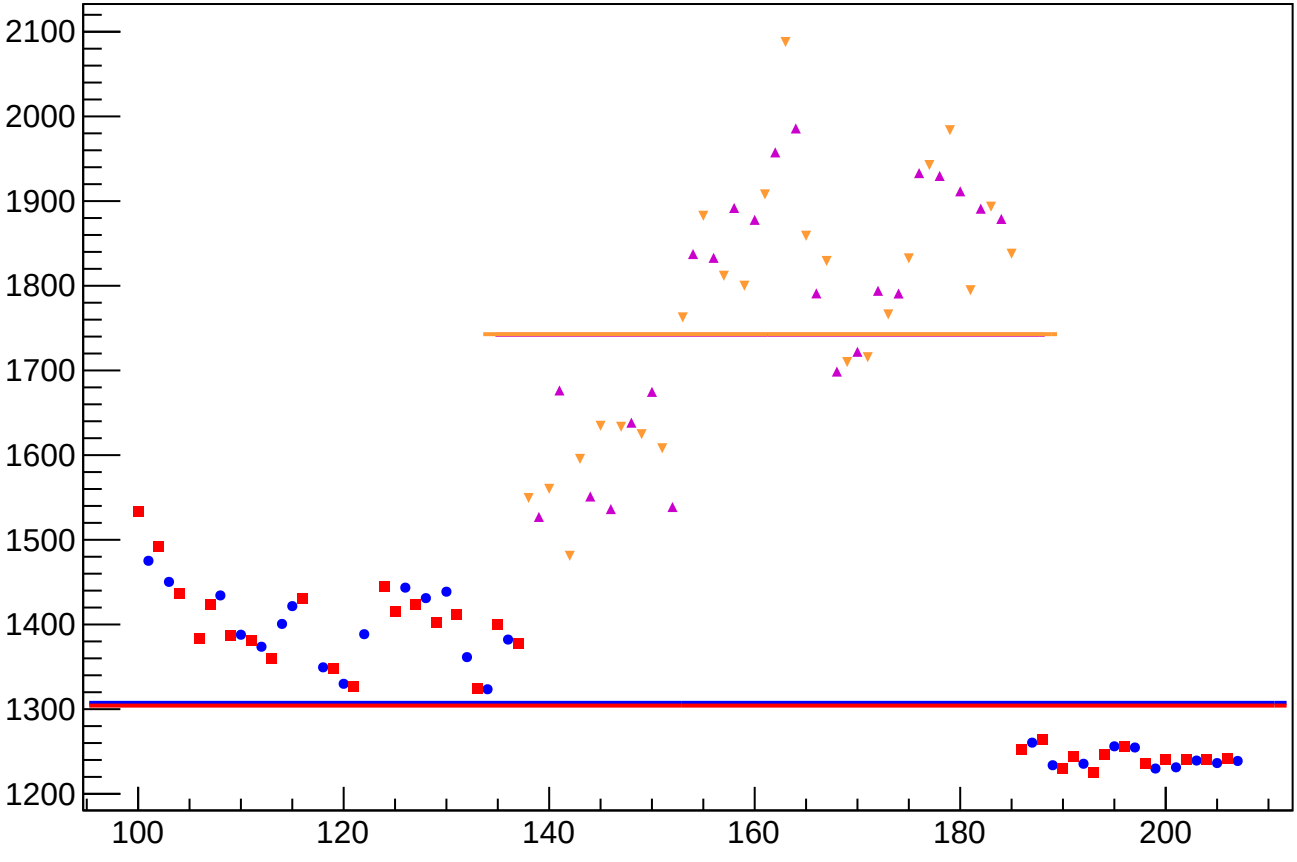
Right: -22.104+/-0.233 χ^2/NDF: 9396.2/56

In: -7.835+/-0.261 χ^2/NDF:18382.7/48

Out: -8.954+/-0.250 χ^2/NDF:4050.0/55

All: -8.417+/-0.180 χ^2/NDF: 22442.3/104

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1307.466+/-0.239 χ^2/NDF: 123673.3/25

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

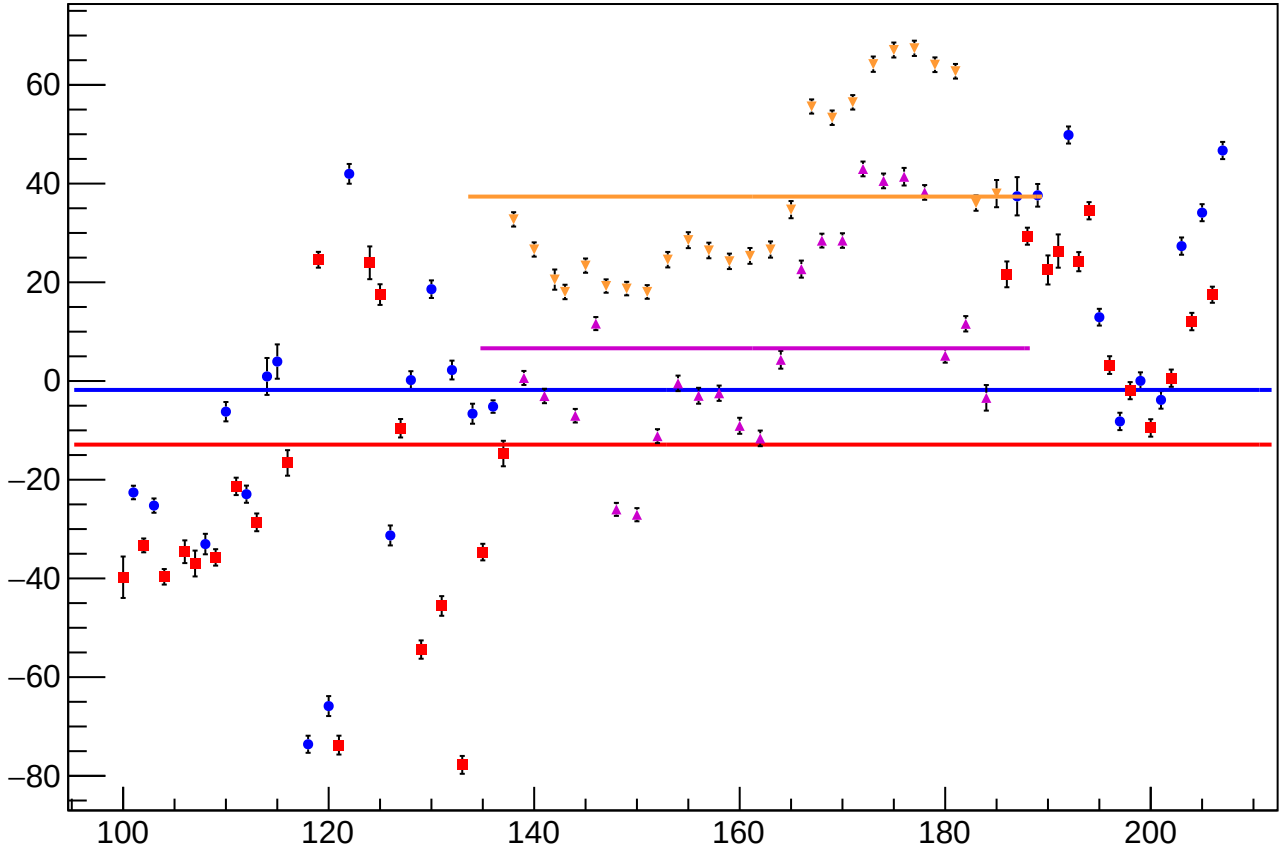
Right: 1305.754+/-0.165 χ^2/NDF: 248462.0/56

In: 1484.205+/-0.184 χ^2/NDF:1727658.2/48

Out: 1477.904+/-0.177 χ^2/NDF:1859448.7/55

All: 1480.924+/-0.128 χ^2/NDF: 3587715.5/10

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -1.807+/-0.360 χ^2/NDF: 7297.5/25

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

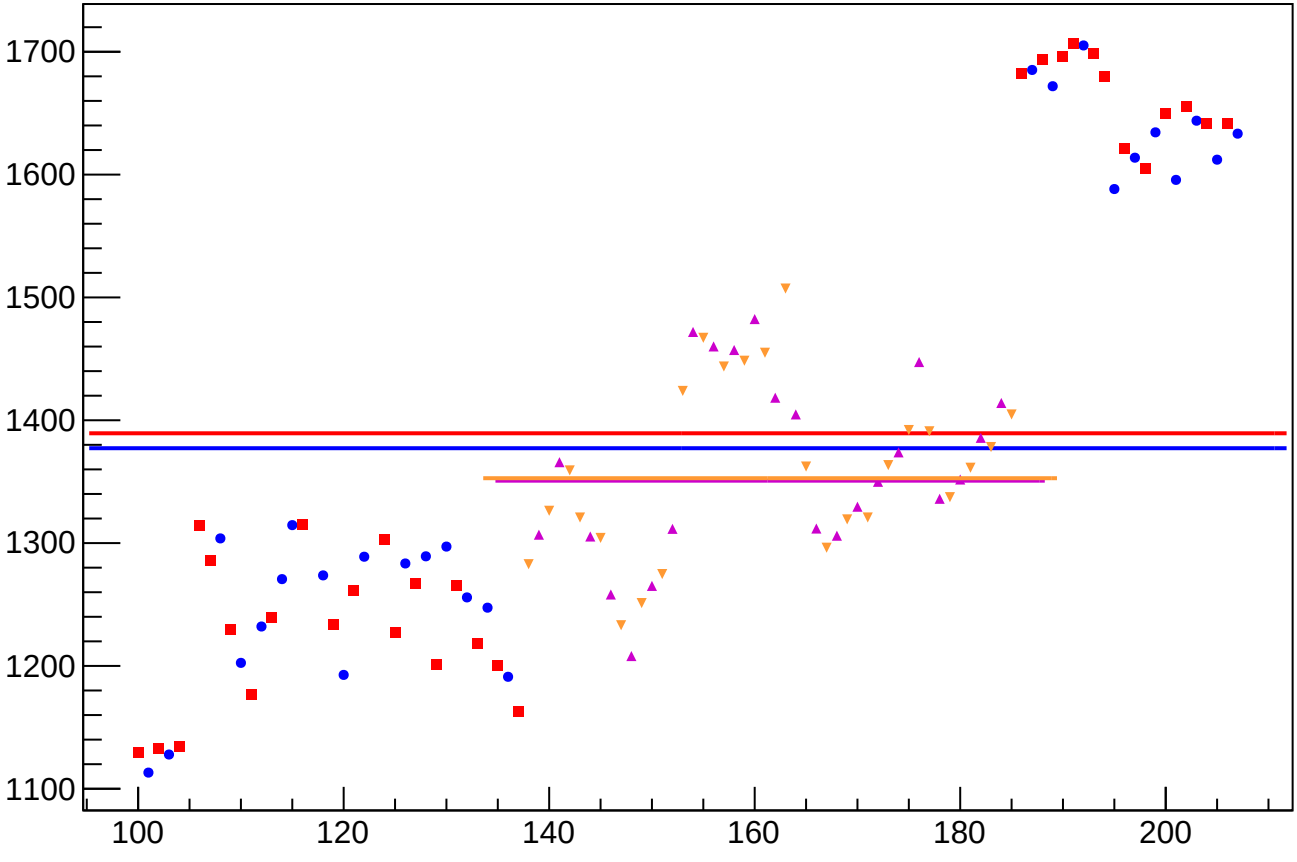
Right: -7.554+/-0.250 χ^2/NDF: 15802.4/56

In: 2.955+/-0.237 χ^2/NDF:12018.4/48

Out: 15.196+/-0.230 χ^2/NDF:23165.2/55

All: 9.266+/-0.165 χ^2/NDF: 36554.0/104

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1377.245+/-0.254 χ^2/NDF: 653889.4/25

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

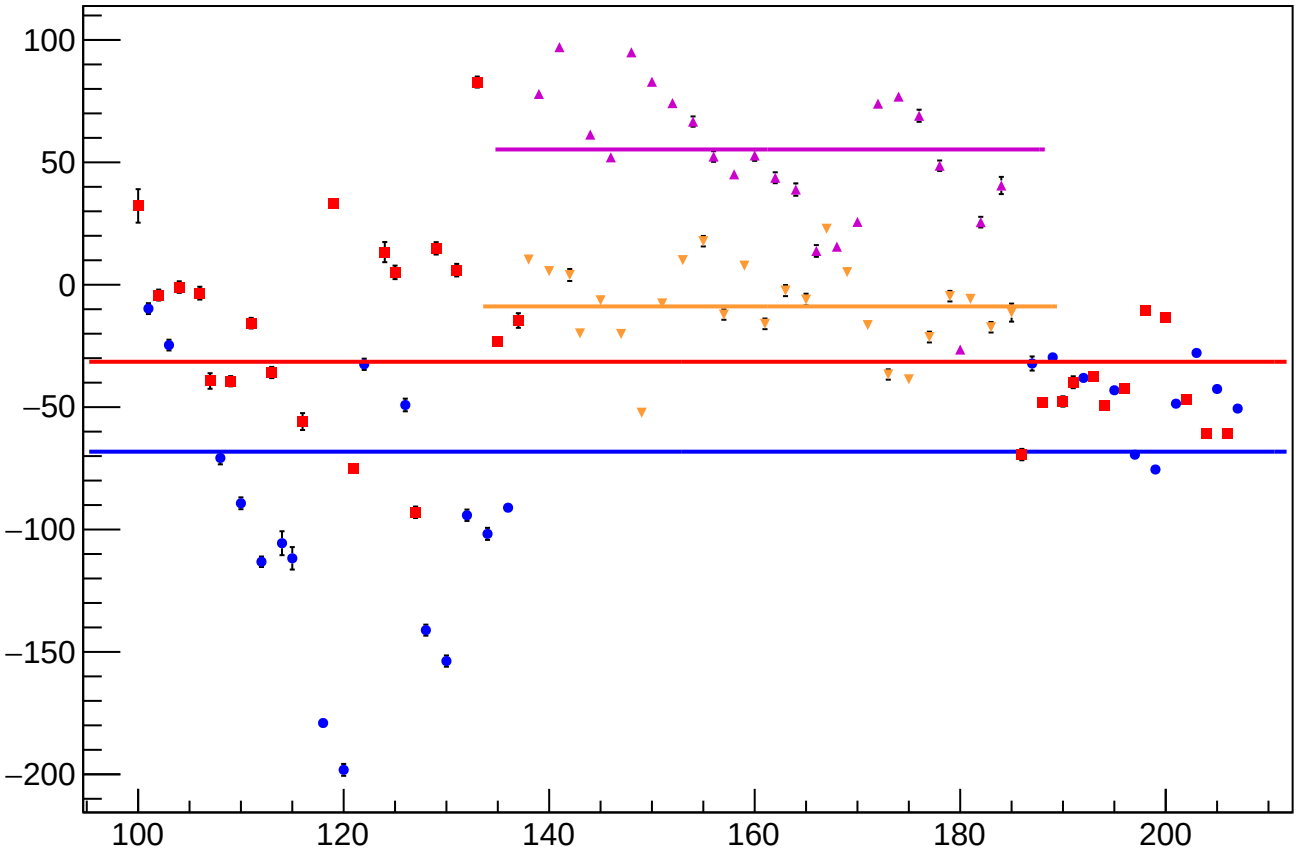
Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

Right: 1383.550+/-0.176 χ^2/NDF: 1462484.1/56

In: 1362.338+/-0.168 χ^2/NDF:768593.6/48

Out: 1368.959+/-0.163 χ^2/NDF:924712.9/55

All: 1365.752+/-0.117 χ^2/NDF: 1694108.5/10



Right In: -68.195+/-0.377 χ^2/NDF: 13653.4/25

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

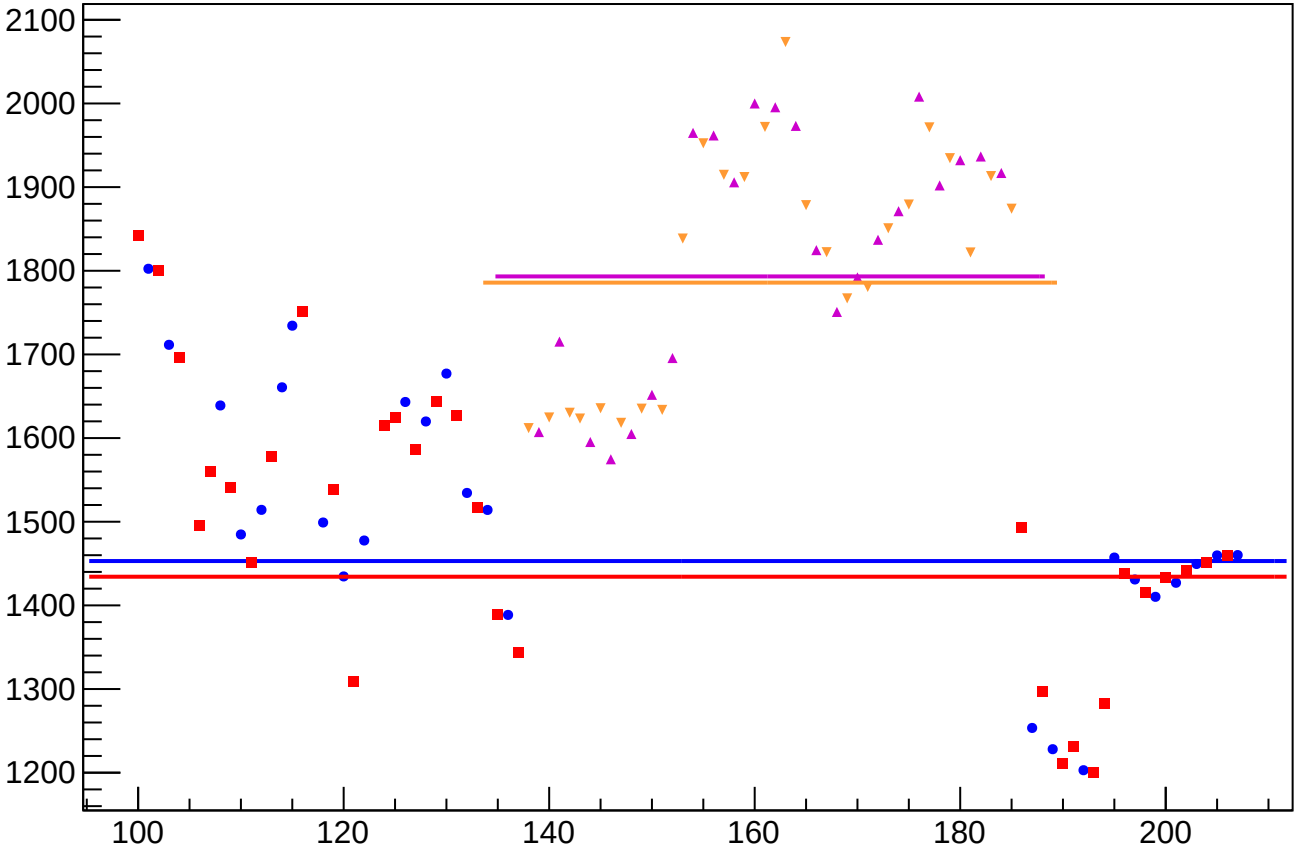
Right: -48.728+/-0.258 χ^2/NDF: 26939.2/56

In: -13.168+/-0.281 χ^2/NDF:66177.2/48

Out: -21.704+/-0.268 χ^2/NDF:11961.4/55

All: -17.640+/-0.194 χ^2/NDF: 78623.0/104

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1452.999+/-0.267 χ^2/NDF: 281549.0/25

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

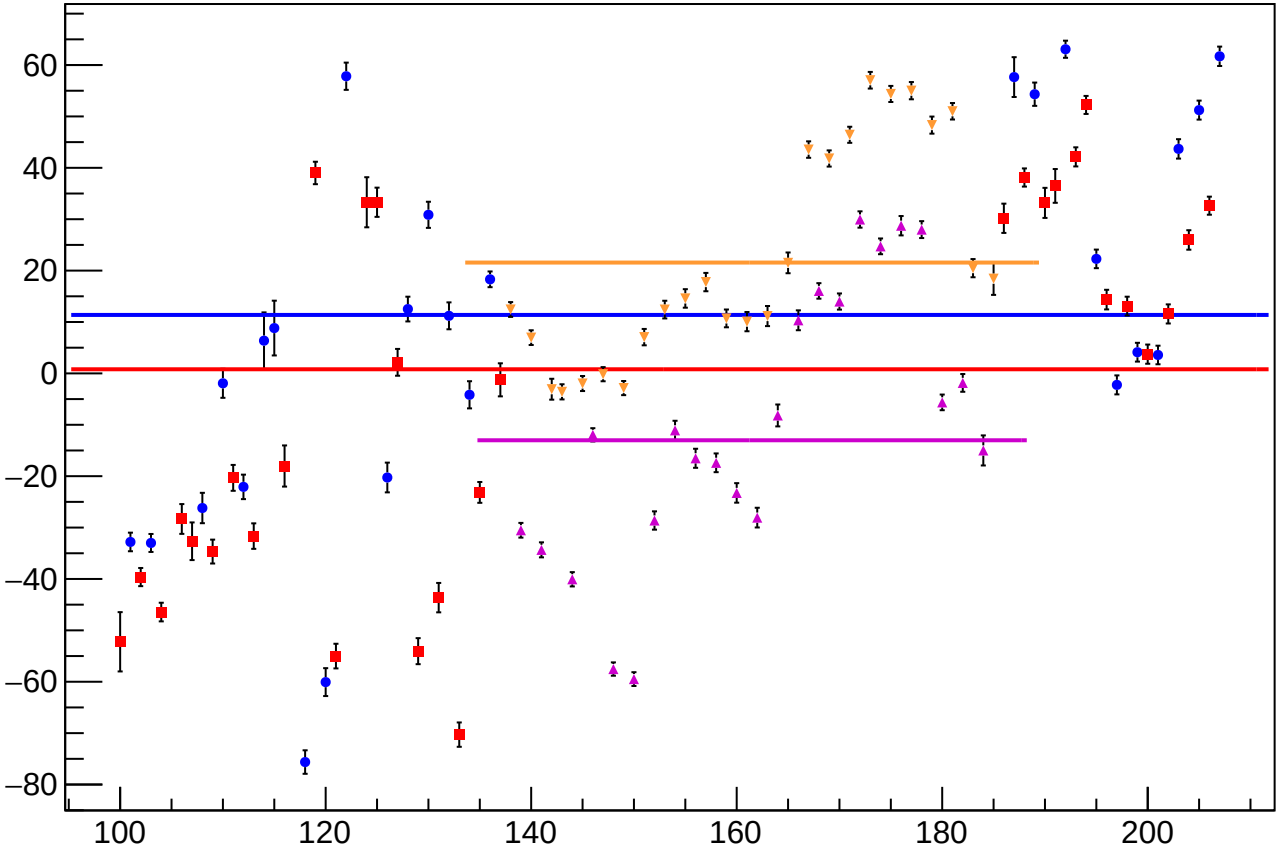
Right: 1443.069+/-0.183 χ^2/NDF: 615047.7/56

In: 1604.649+/-0.198 χ^2/NDF:1260245.8/48

Out: 1586.104+/-0.189 χ^2/NDF:1415196.5/55

All: 1594.933+/-0.137 χ^2/NDF: 2680015.4/10

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 11.375+/-0.429 χ^2/NDF: 7361.5/25

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

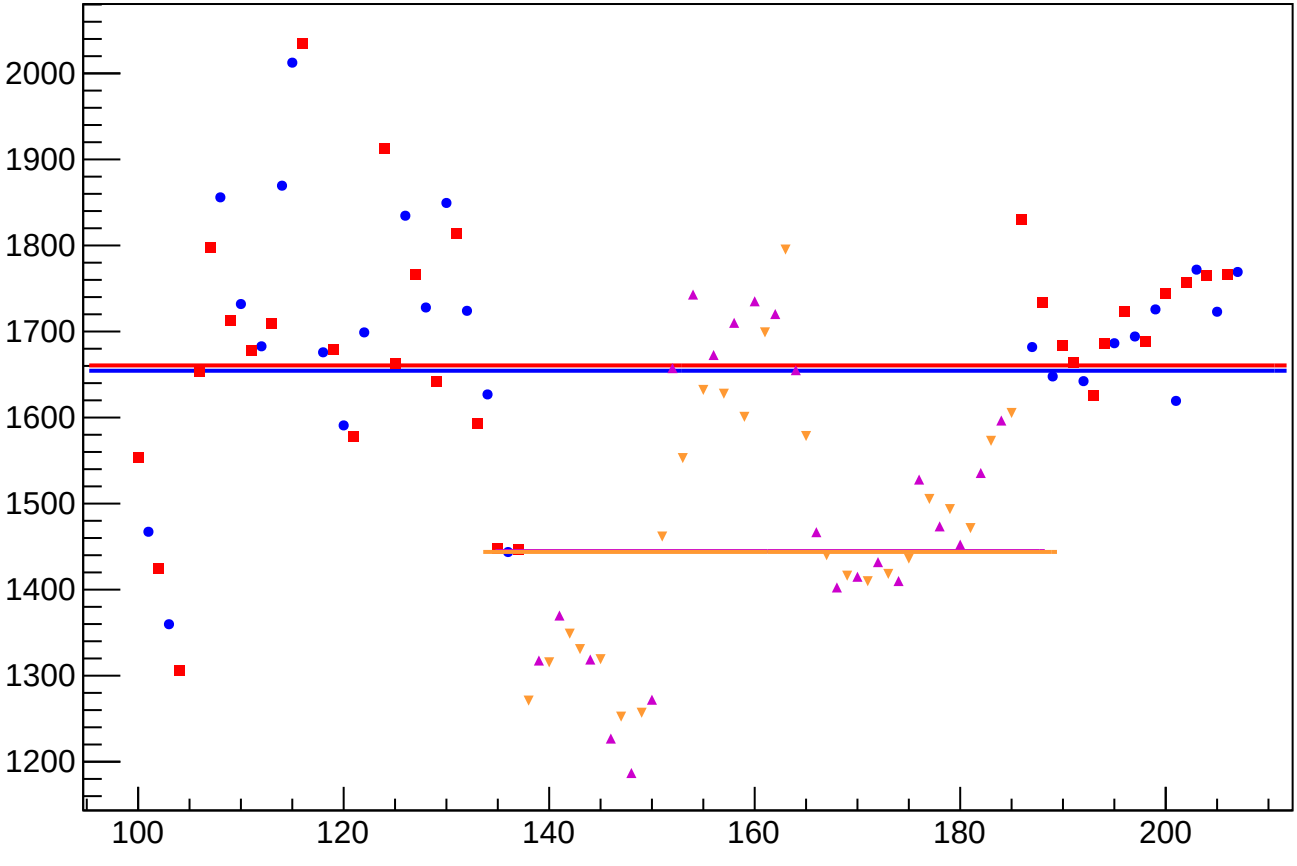
Right: 5.855+/-0.297 χ^2/NDF: 15203.6/56

In: -3.609+/-0.267 χ^2/NDF:15972.5/48

Out: 13.422+/-0.257 χ^2/NDF:13239.8/55

All: 5.210+/-0.185 χ^2/NDF: 31326.6/104

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1654.396+/-0.303 χ^2/NDF: 187559.6/25

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

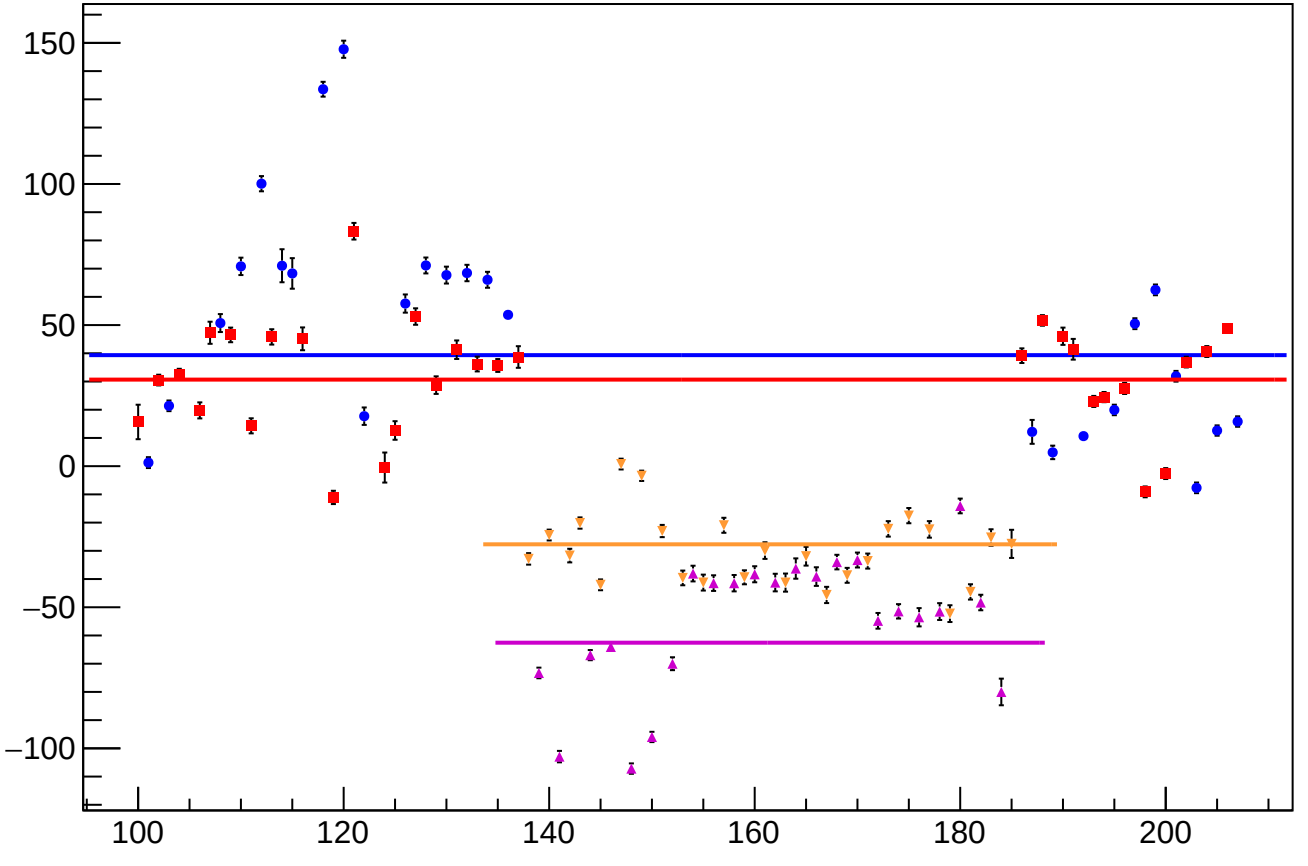
Right: 1657.622+/-0.210 χ^2/NDF: 409679.3/56

In: 1525.633+/-0.188 χ^2/NDF:965767.8/48

Out: 1528.840+/-0.182 χ^2/NDF:912885.4/55

All: 1527.294+/-0.131 χ^2/NDF: 1878803.2/10

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 39.346+/-0.459 χ^2/NDF: 6083.8/25

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

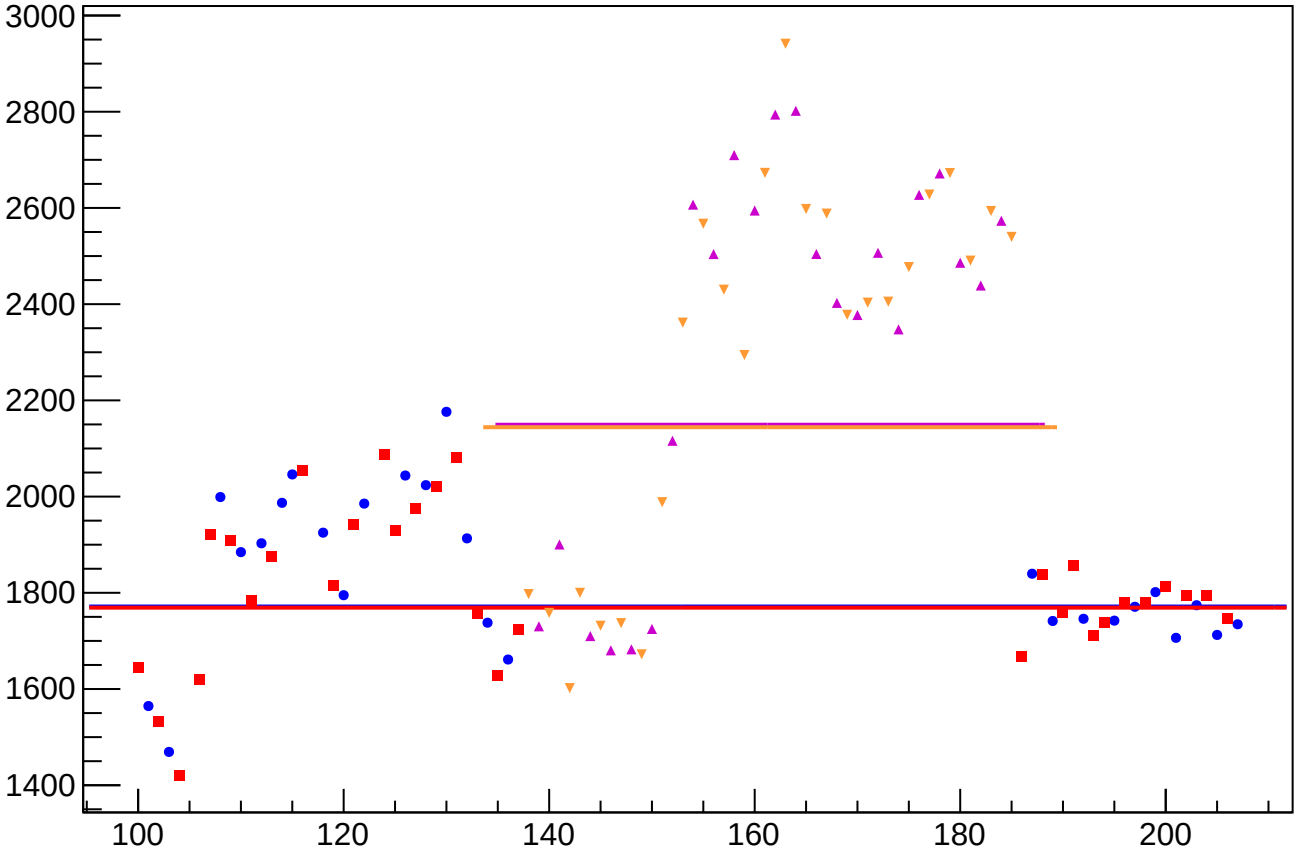
Right: 34.796+/-0.317 χ^2/NDF: 8276.4/56

In: -6.140+/-0.342 χ^2/NDF:30494.8/48

Out: 5.156+/-0.328 χ^2/NDF:10564.3/55

All: -0.258+/-0.237 χ^2/NDF: 41627.5/104

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1771.478+/-0.325 χ^2/NDF: 203396.5/25

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

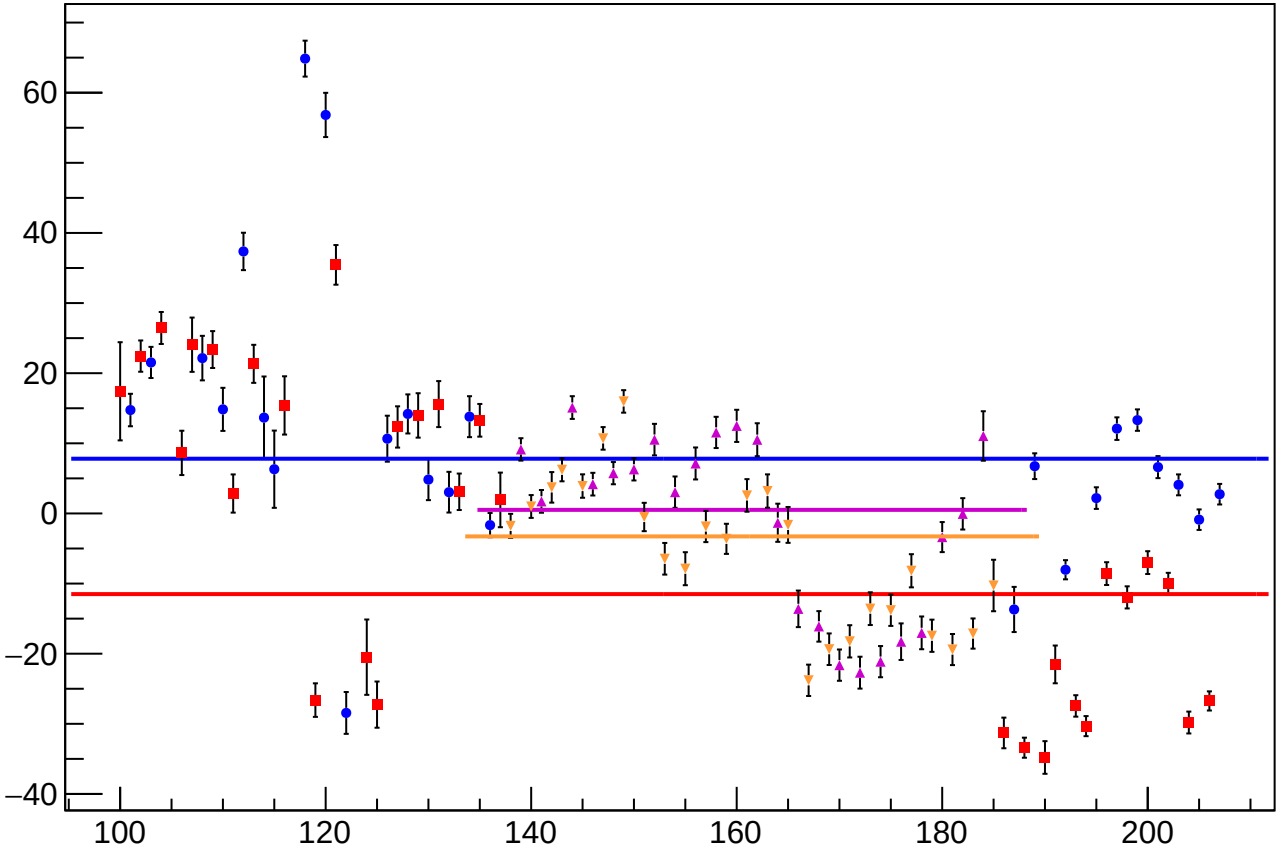
Right: 1770.242+/-0.224 χ^2/NDF: 404812.0/56

In: 1940.146+/-0.242 χ^2/NDF:2072851.1/48

Out: 1933.129+/-0.232 χ^2/NDF:2124860.5/55

All: 1936.492+/-0.167 χ^2/NDF: 4198150.3/10

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 7.805+/-0.408 χ^2/NDF: 1392.5/25

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

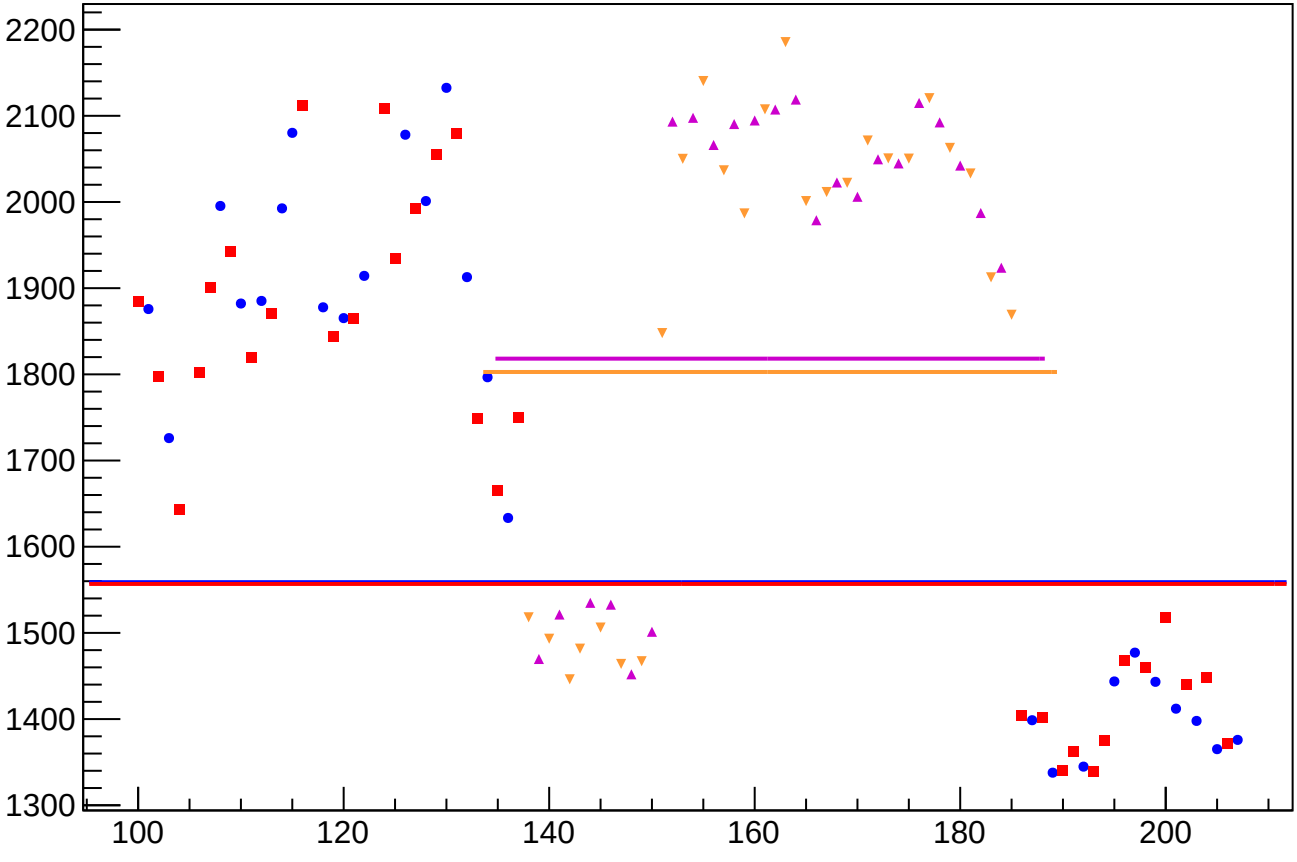
Right: -2.336+/-0.281 χ^2/NDF: 5297.0/56

In: 4.351+/-0.296 χ^2/NDF:2290.0/48

Out: -7.667+/-0.283 χ^2/NDF:3607.0/55

All: -1.920+/-0.204 χ^2/NDF: 6758.8/104

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1558.839+/-0.288 χ^2/NDF: 687461.5/25

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

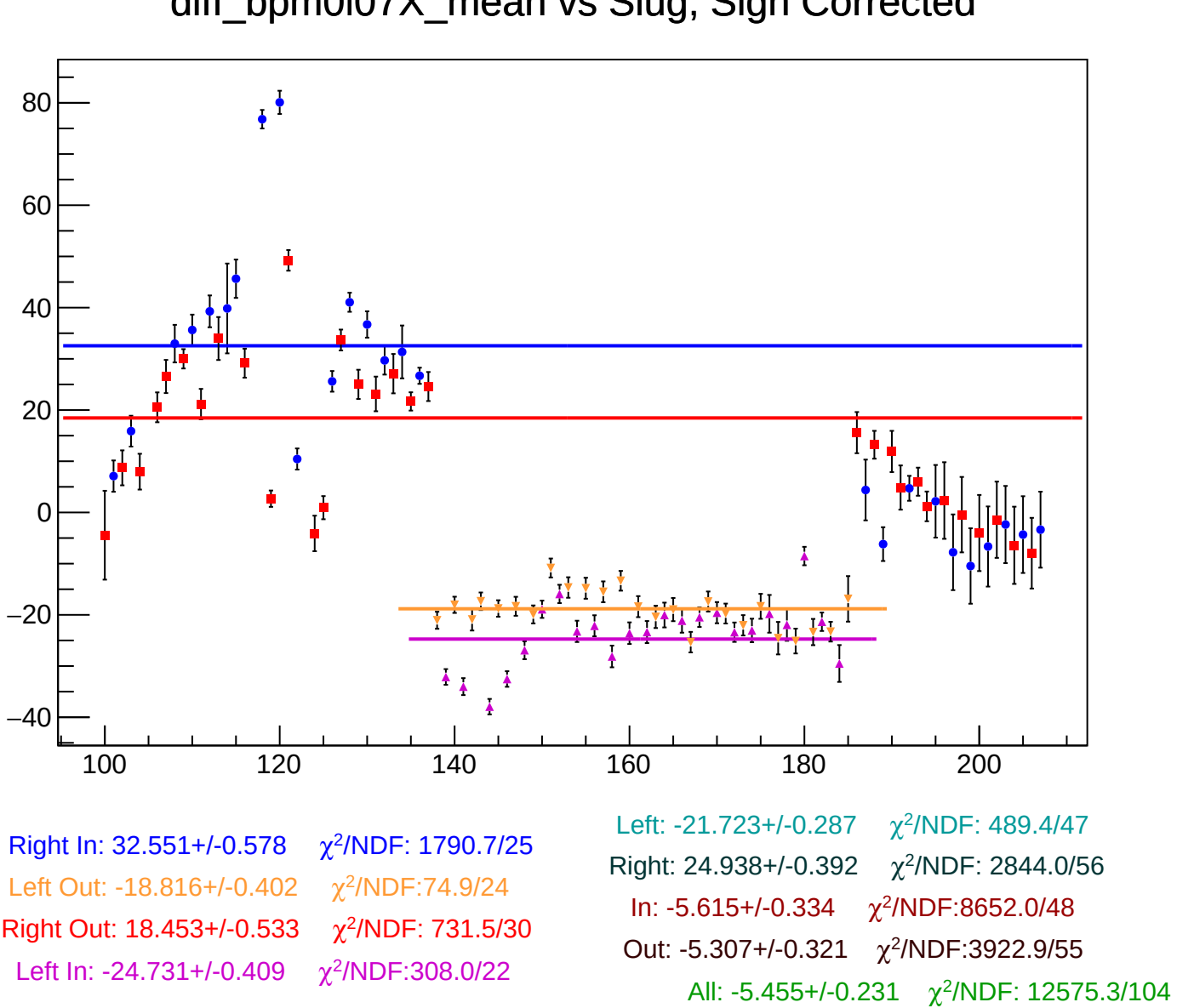
Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

Right: 1557.774+/-0.199 χ^2/NDF: 1340212.1/56

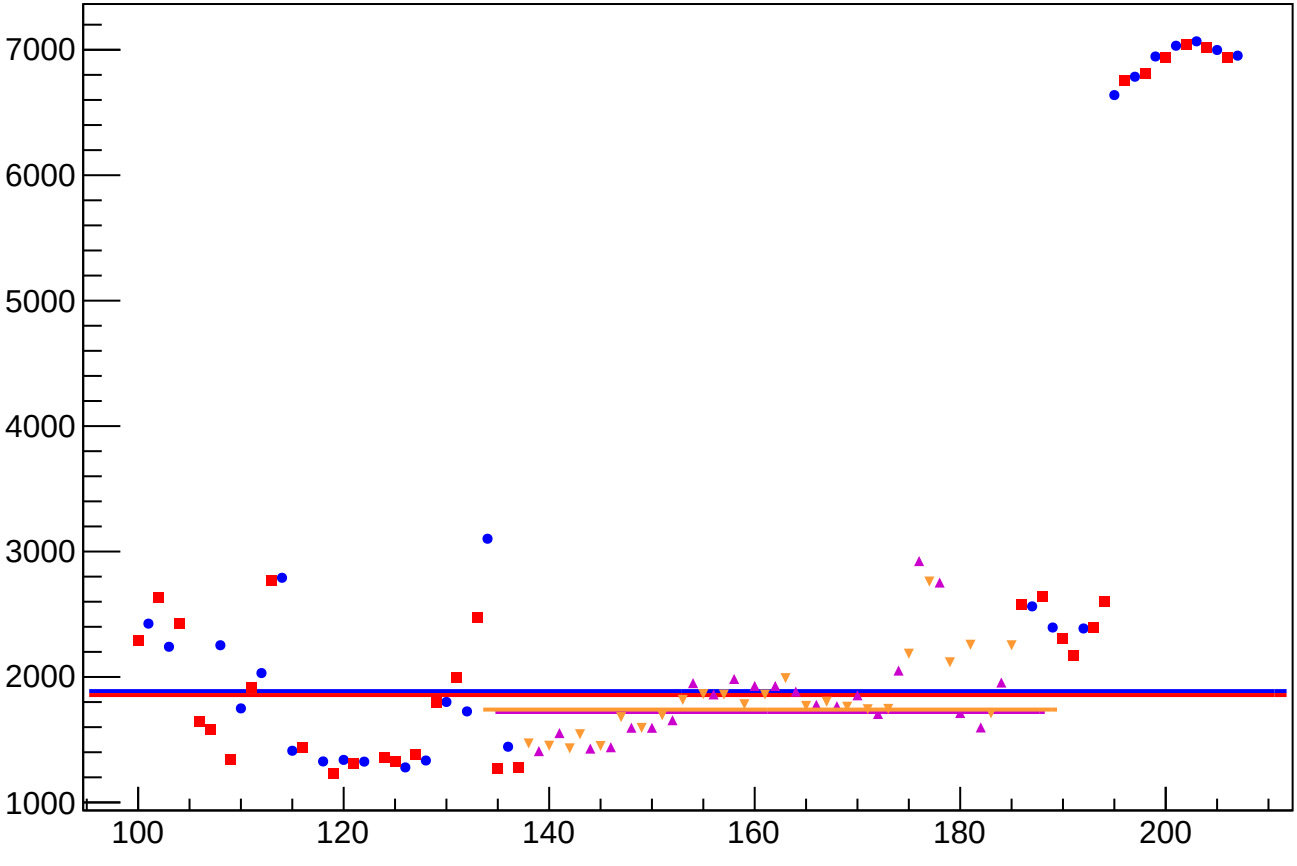
In: 1681.648+/-0.209 χ^2/NDF:1911397.7/48

Out: 1671.458+/-0.200 χ^2/NDF:1925714.0/55

All: 1676.331+/-0.145 χ^2/NDF: 3838350.8/10


diff_bpm0i07X_mean vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
100
120
140
160
180
200
Right In: 32.551+/-0.578 χ²/NDF: 1790.7/25
Left Out: -18.816+/-0.402 χ²/NDF:74.9/24
Right Out: 18.453+/-0.533 χ²/NDF: 731.5/30
Left In: -24.731+/-0.409 χ²/NDF:308.0/22
Left: -21.723+/-0.287 χ²/NDF: 489.4/47
Right: 24.938+/-0.392 χ²/NDF: 2844.0/56
In: -5.615+/-0.334 χ²/NDF:8652.0/48
Out: -5.307+/-0.321 χ²/NDF:3922.9/55
All: -5.455+/-0.231 χ²/NDF: 12575.3/104

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1887.353+/-0.408 χ^2/NDF: 7813778.2/25

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

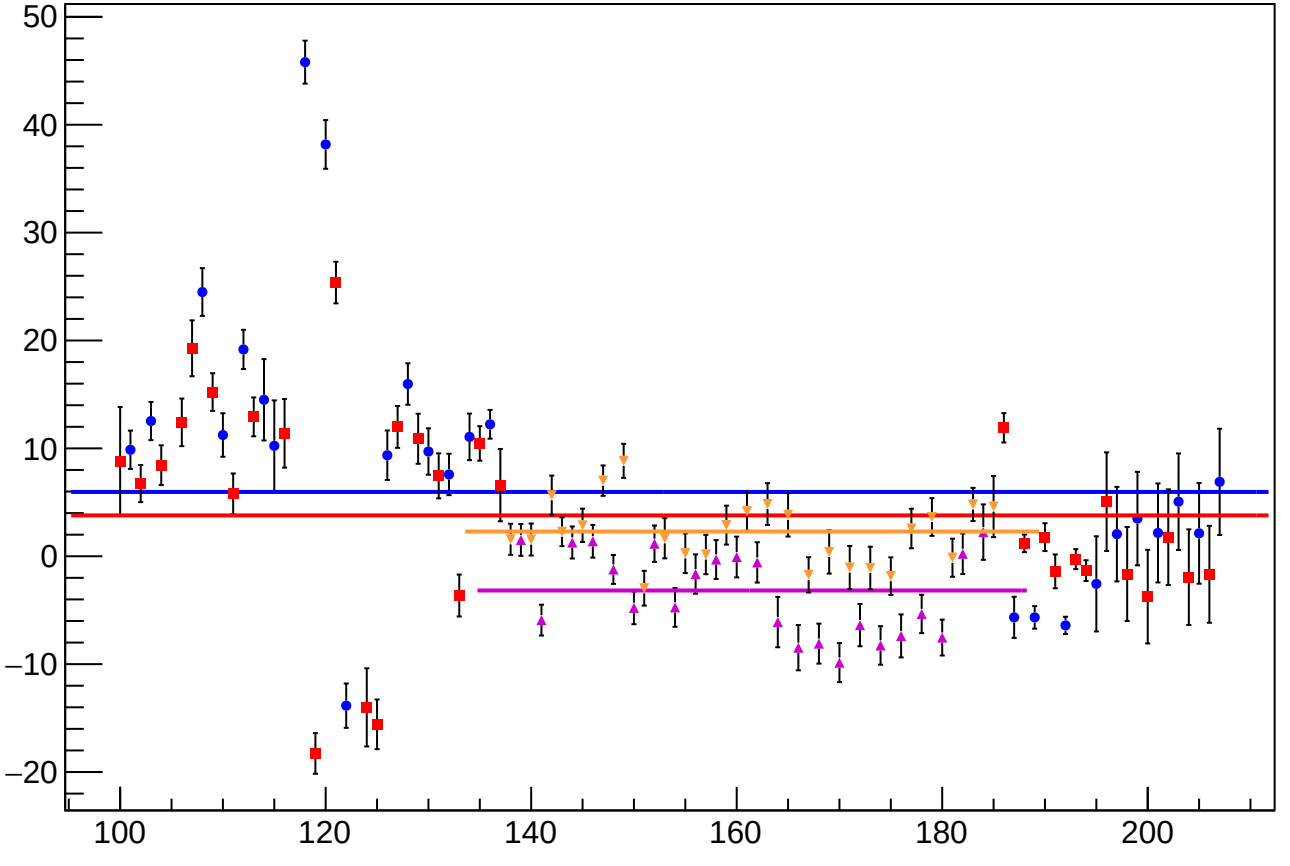
Right: 1870.361+/-0.277 χ^2/NDF: 15525803.6/56

In: 1776.424+/-0.236 χ^2/NDF:8808484.4/48

Out: 1782.061+/-0.227 χ^2/NDF:8522372.5/55

All: 1779.352+/-0.164 χ^2/NDF: 17331153.5/

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.963+/-0.378 χ^2/NDF: 1316.4/25

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

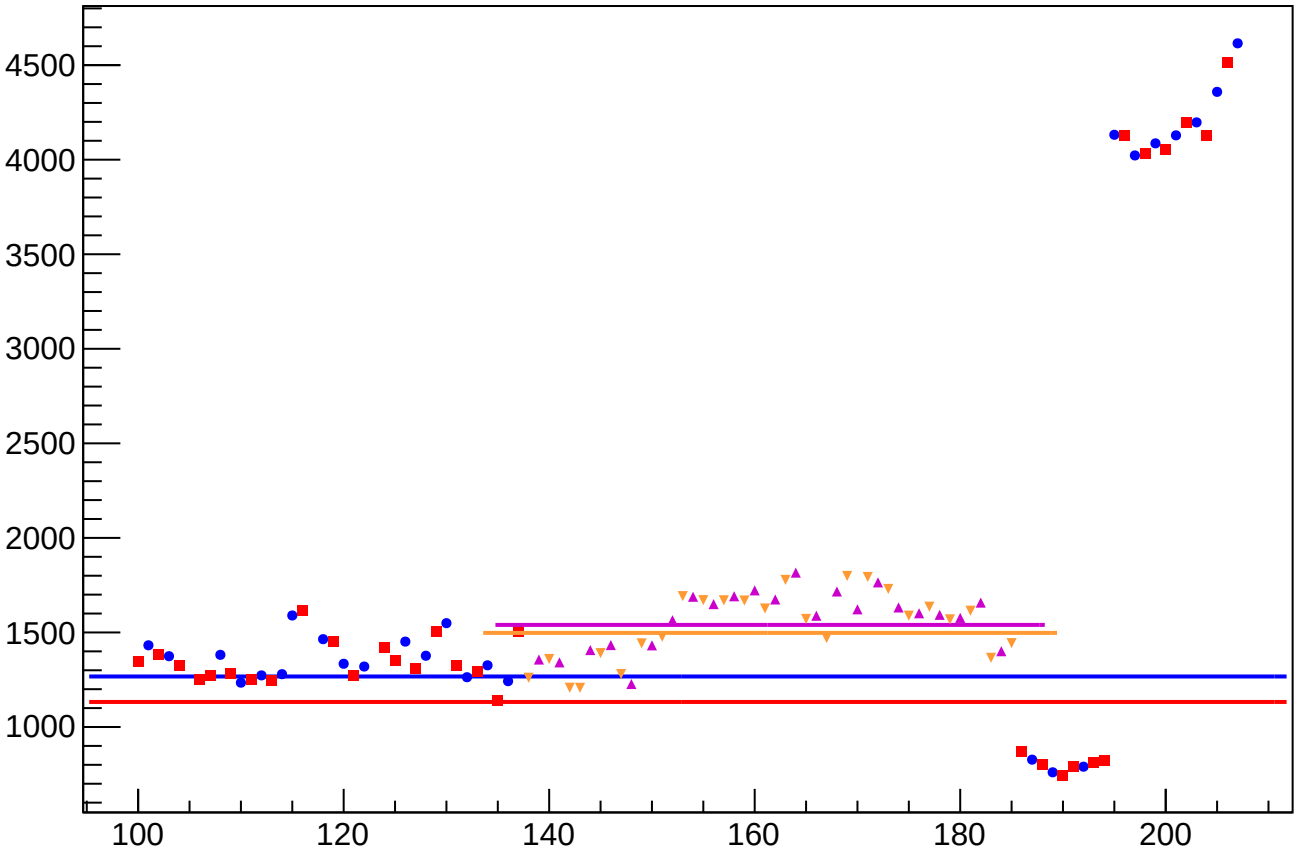
Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

Right: 4.691+/-0.243 χ^2/NDF: 2007.8/56

In: 1.207+/-0.261 χ^2/NDF:1731.4/48

Out: 3.097+/-0.233 χ^2/NDF:755.6/55

All: 2.259+/-0.174 χ^2/NDF: 2516.1/104



Right In: 1267.182+/-0.267 χ^2/NDF: 7322708.6/25

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1132.450+/-0.225 χ^2/NDF: 7158010.1/30

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

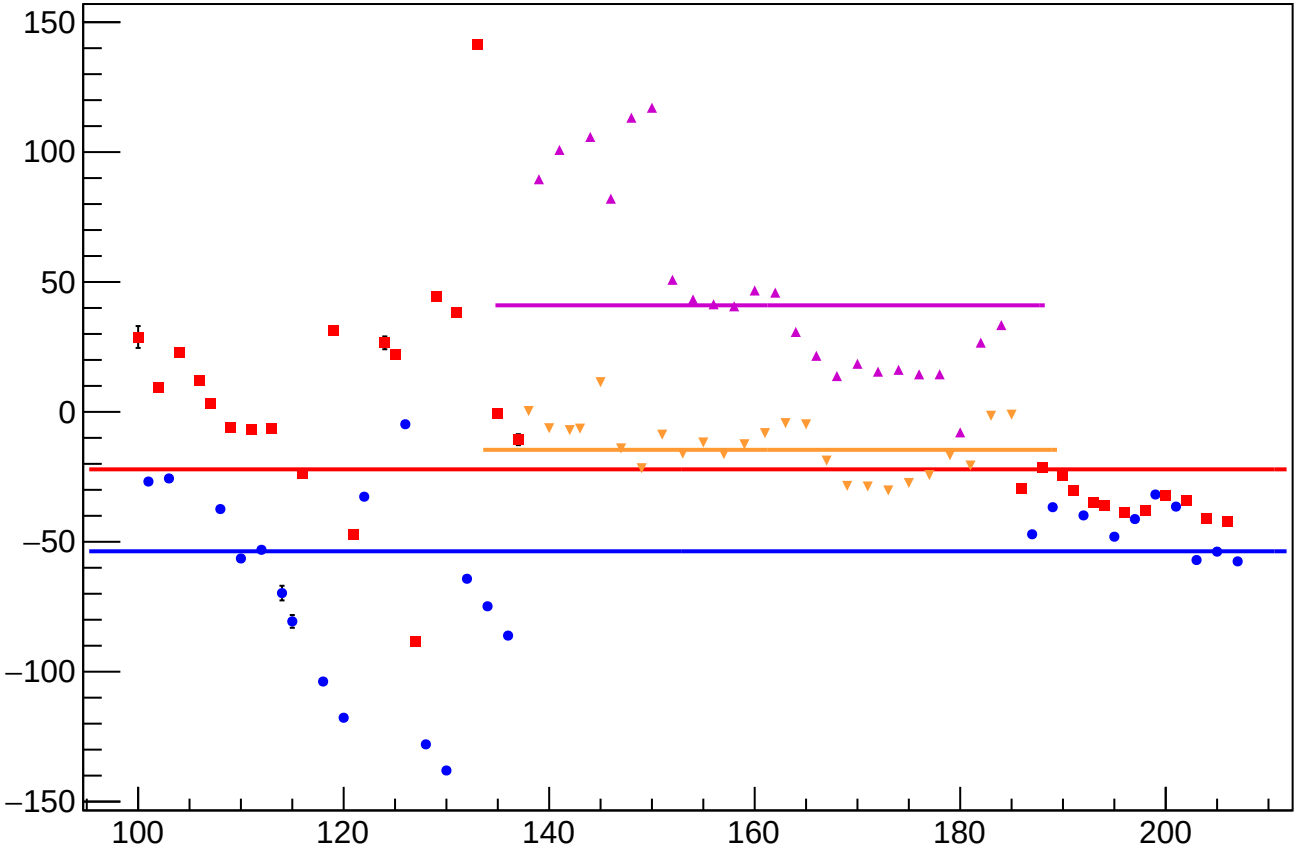
Right: 1188.396+/-0.172 χ^2/NDF: 14629577.3/56

In: 1409.137+/-0.185 χ^2/NDF:8245897.3/48

Out: 1301.170+/-0.165 χ^2/NDF:8943688.5/55

All: 1349.053+/-0.123 χ^2/NDF: 17379320.9/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -53.654+/-0.192 χ^2/NDF: 17796.3/25

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

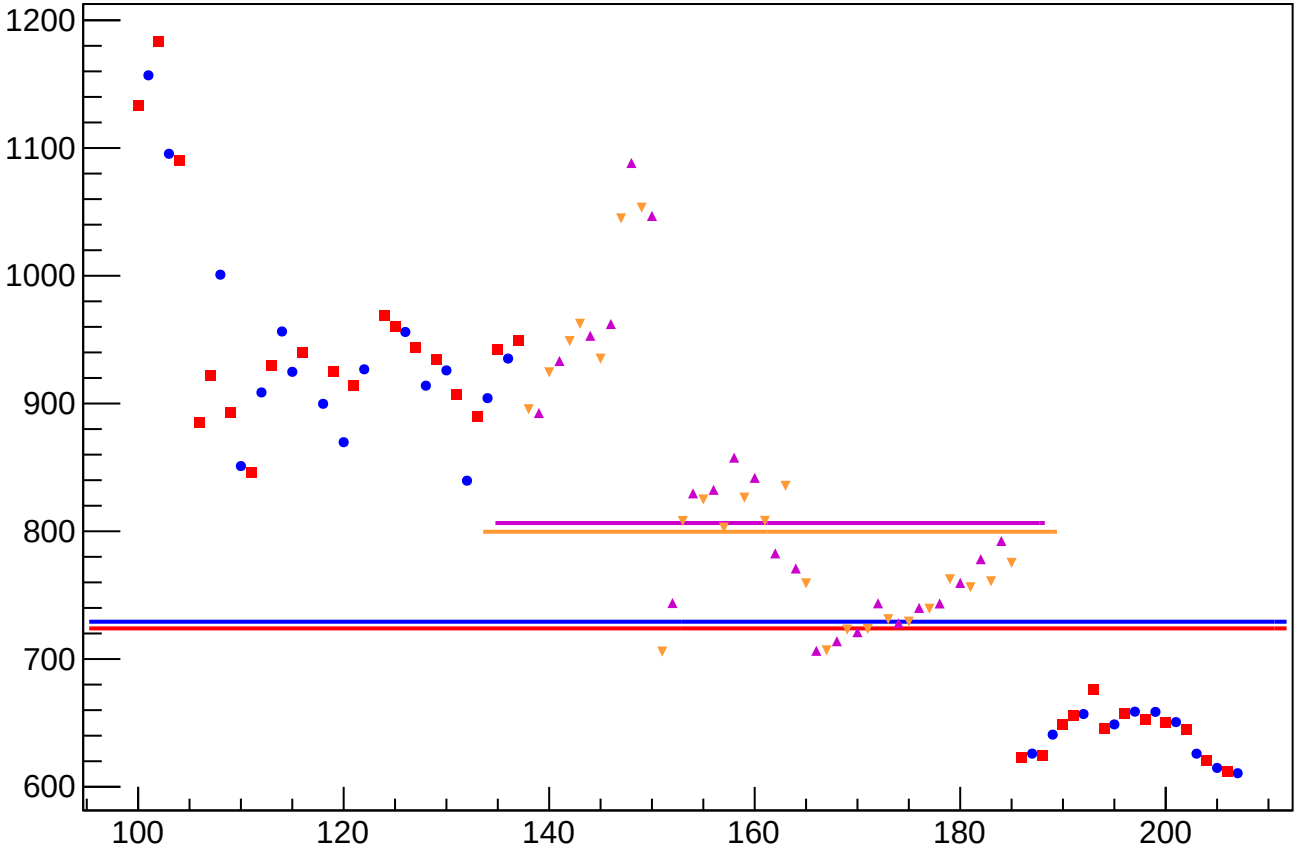
Right: -37.011+/-0.132 χ^2/NDF: 64121.7/56

In: -5.764+/-0.135 χ^2/NDF:171844.5/48

Out: -18.382+/-0.129 χ^2/NDF:36096.5/55

All: -12.363+/-0.093 χ^2/NDF: 212512.0/104

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 729.212+/-0.136 χ^2/NDF: 1131446.0/25

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

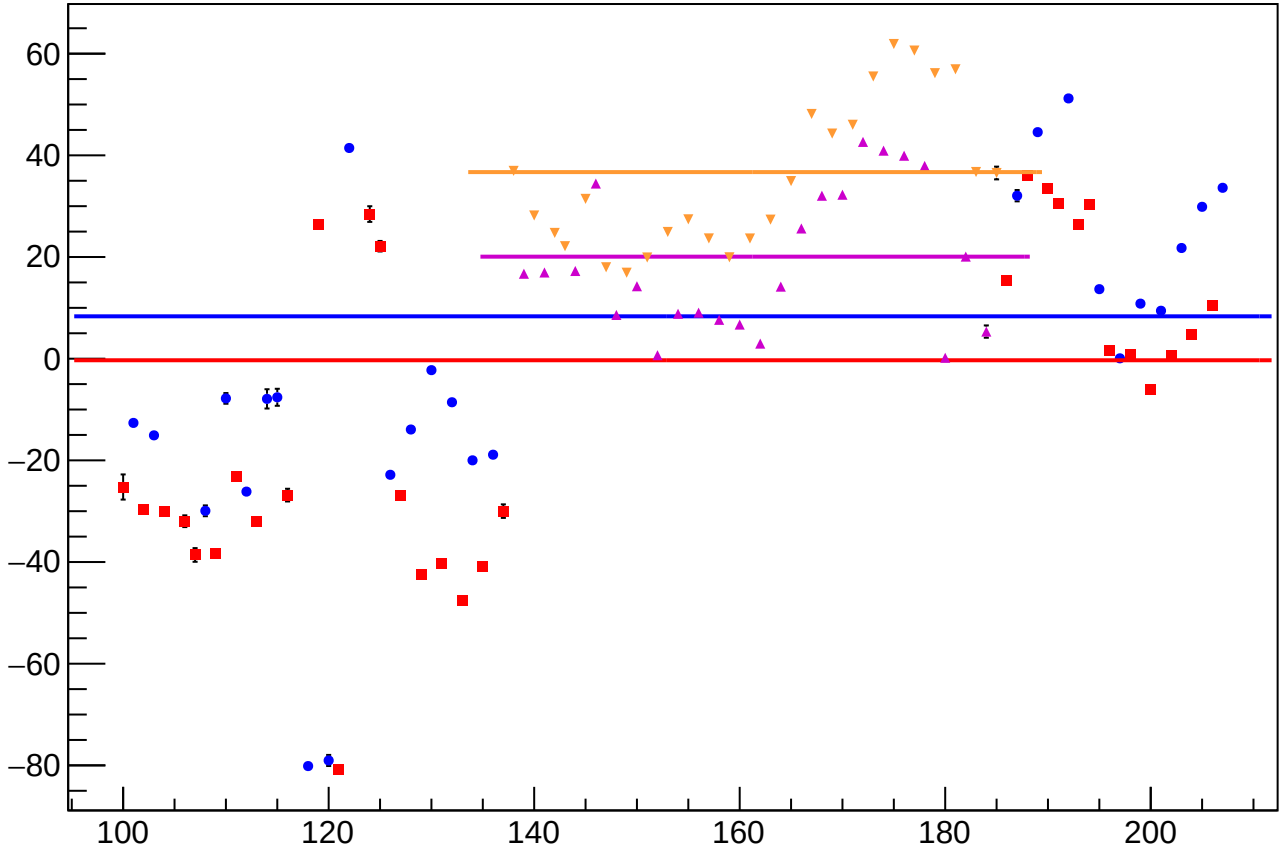
Right: 726.446+/-0.093 χ^2/NDF: 2350702.6/56

In: 768.296+/-0.095 χ^2/NDF:1806566.5/48

Out: 761.537+/-0.091 χ^2/NDF:1888190.2/55

All: 764.761+/-0.066 χ^2/NDF: 3697379.3/104

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 8.334+/-0.140 χ^2/NDF: 43829.6/25

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

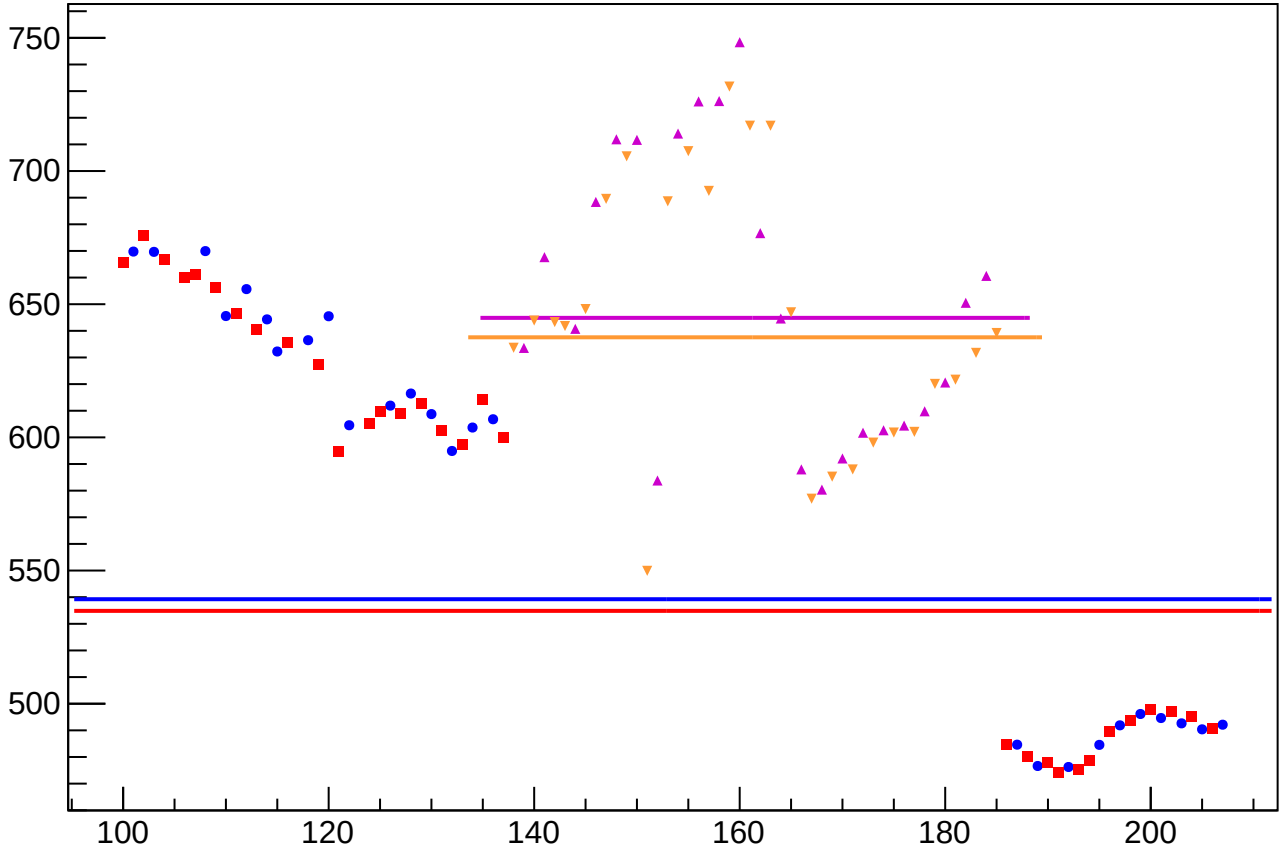
Right: 3.770+/-0.096 χ^2/NDF: 89461.3/56

In: 13.767+/-0.103 χ^2/NDF:55624.1/48

Out: 16.516+/-0.098 χ^2/NDF:89195.7/55

All: 15.208+/-0.071 χ^2/NDF: 145193.9/104

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 539.236+/-0.099 χ^2/NDF: 494754.4/25

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

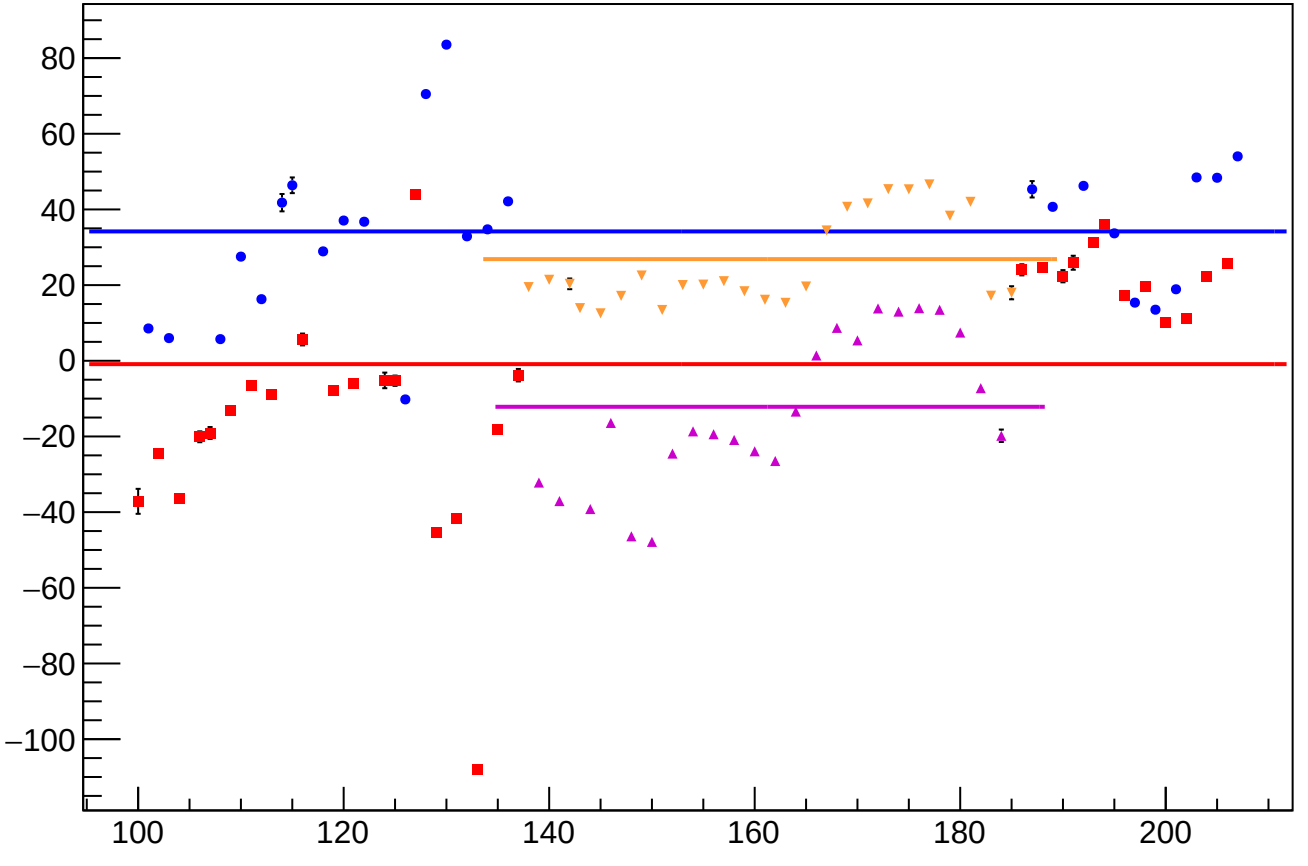
Right: 536.925+/-0.068 χ^2/NDF: 1036043.7/56

In: 588.139+/-0.073 χ^2/NDF:1248373.0/48

Out: 581.549+/-0.069 χ^2/NDF:1320931.7/55

All: 584.685+/-0.050 χ^2/NDF: 2573604.5/104

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 34.189+/-0.219 χ^2/NDF: 8705.8/25

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

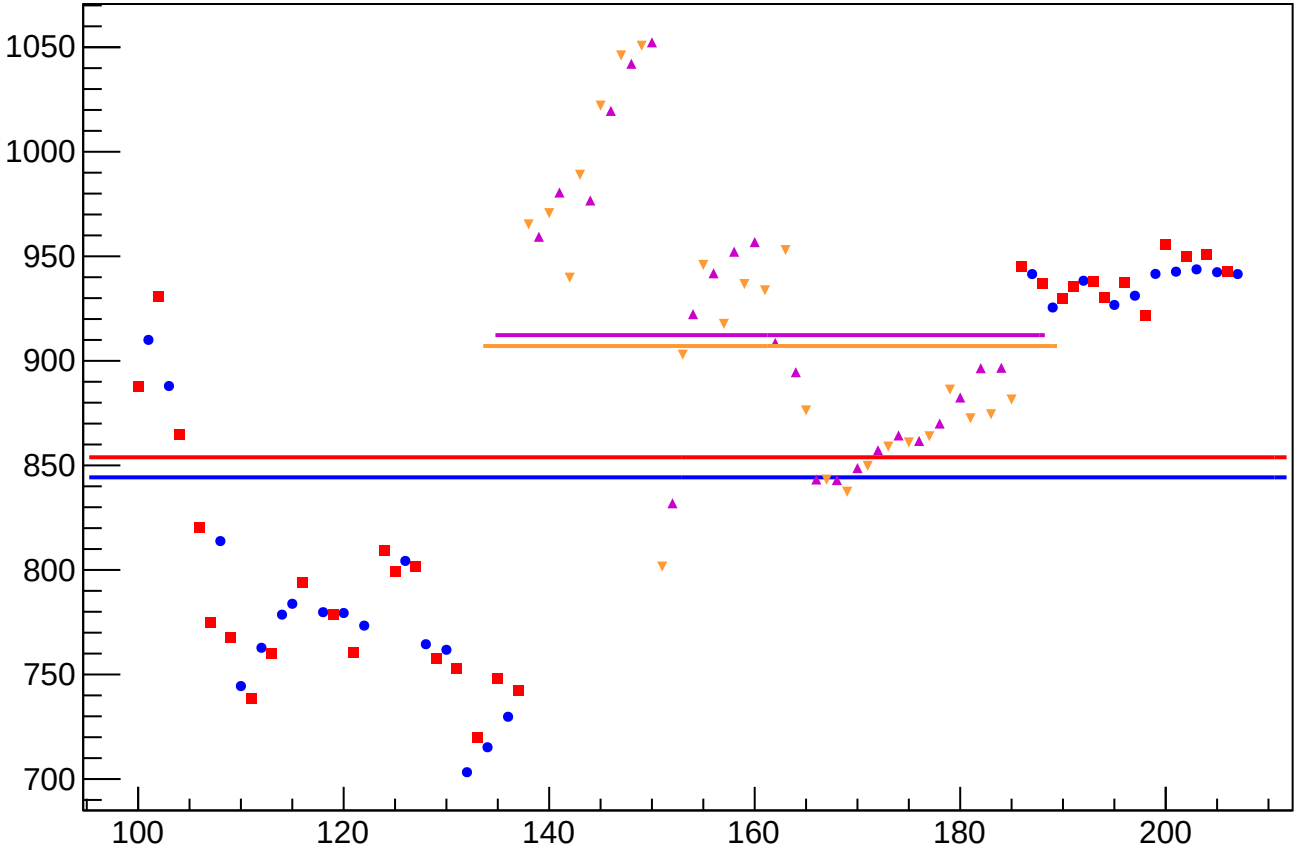
Right: 16.001+/-0.152 χ^2/NDF: 44496.5/56

In: 10.412+/-0.153 χ^2/NDF:40163.6/48

Out: 13.299+/-0.148 χ^2/NDF:34732.9/55

All: 11.907+/-0.106 χ^2/NDF: 75080.7/104

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 844.286+/-0.155 χ^2/NDF: 341684.0/25

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

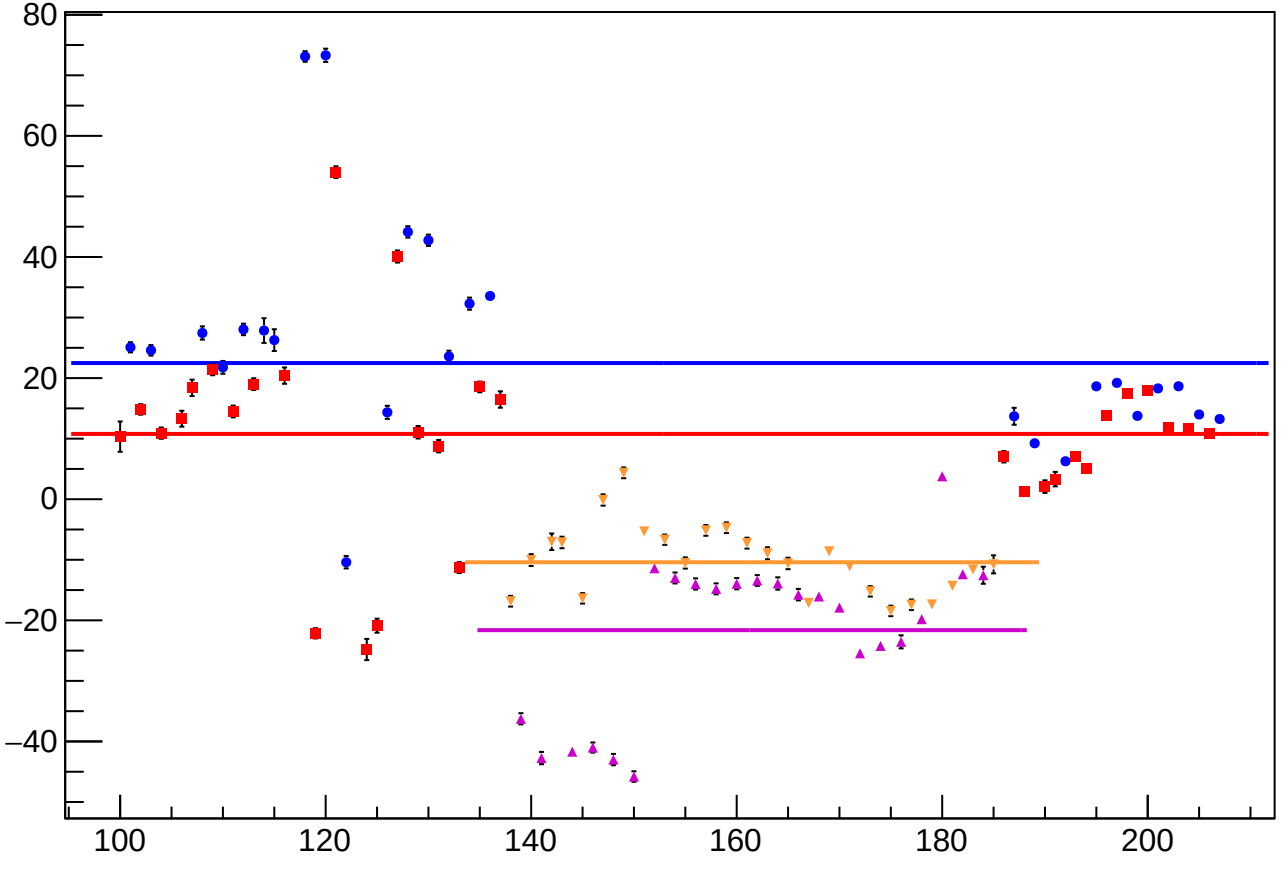
Right: 849.262+/-0.108 χ^2/NDF: 685881.6/56

In: 879.178+/-0.108 χ^2/NDF:615075.5/48

Out: 881.079+/-0.104 χ^2/NDF:601617.6/55

All: 880.162+/-0.075 χ^2/NDF: 1216853.0/104

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 22.487+/-0.160 χ^2/NDF: 9823.9/25

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

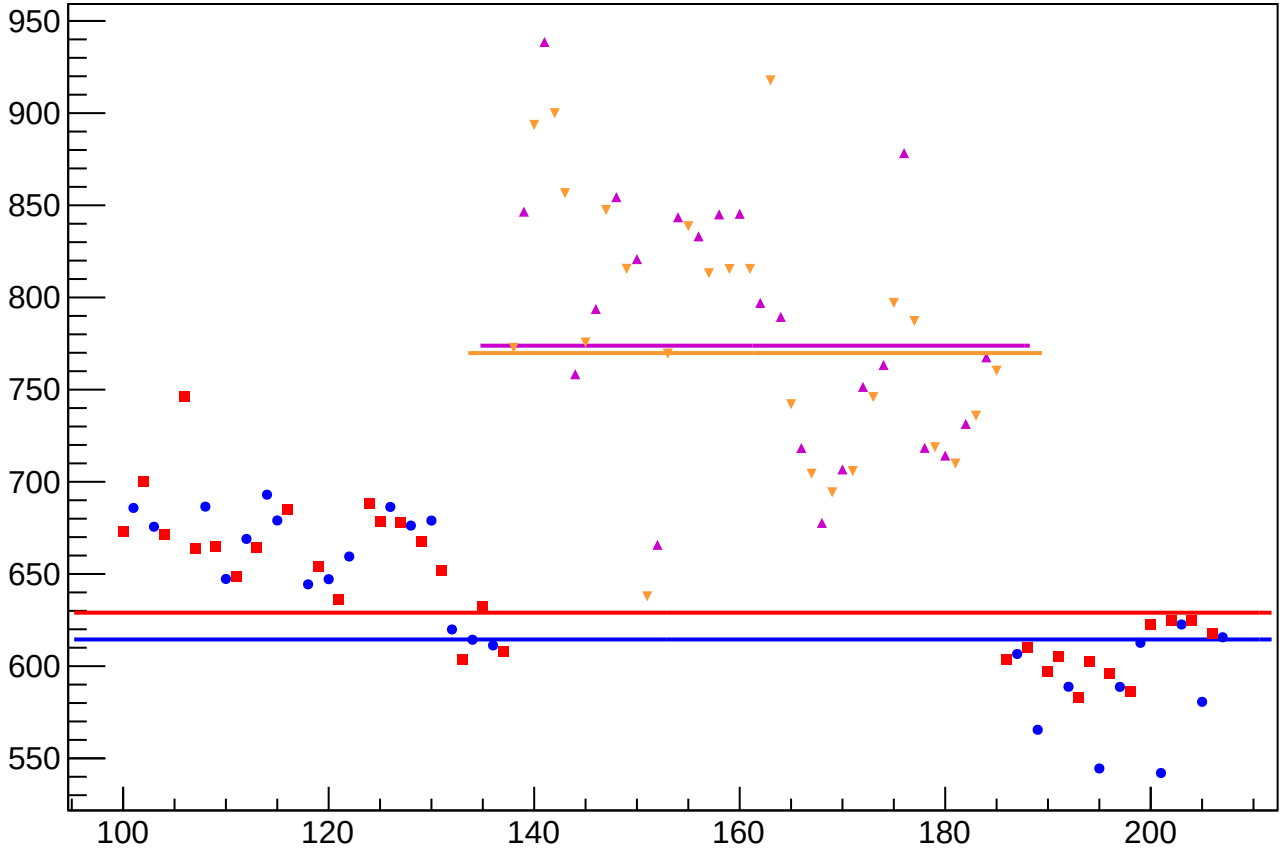
Right: 16.474+/-0.111 χ^2/NDF: 19891.6/56

In: 3.310+/-0.120 χ^2/NDF:48287.8/48

Out: 1.511+/-0.116 χ^2/NDF:16496.5/55

All: 2.383+/-0.084 χ^2/NDF: 64900.2/104

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 614.478+/-0.113 χ^2/NDF: 159345.7/25

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

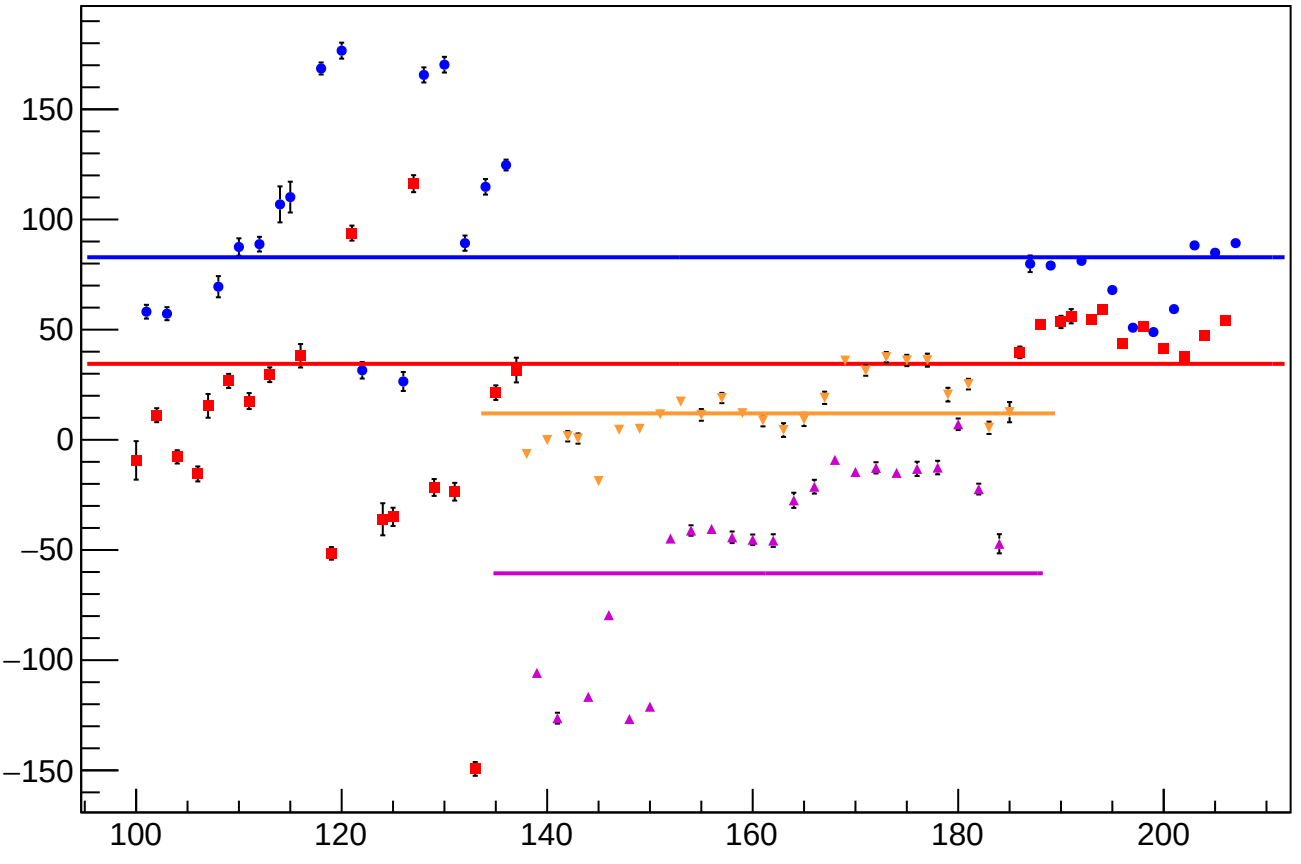
Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

Right: 621.939+/-0.079 χ^2/NDF: 266072.9/56

In: 683.766+/-0.085 χ^2/NDF:1309572.8/48

Out: 690.634+/-0.082 χ^2/NDF:1123134.0/55

All: 687.303+/-0.059 χ^2/NDF: 2436081.8/104



Right In: 82.854+/-0.489 χ^2/NDF: 4696.6/25

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

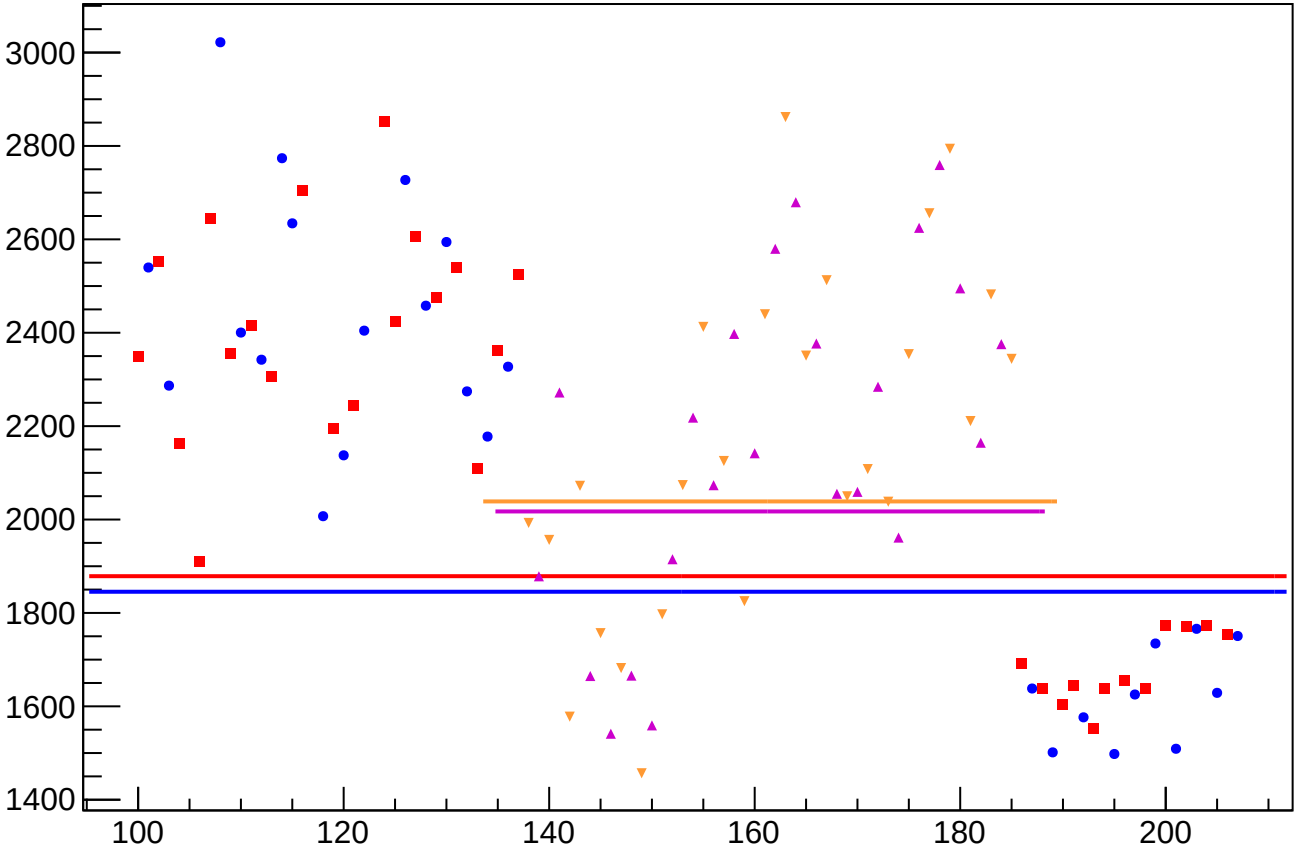
Right: 57.772+/-0.339 χ^2/NDF: 17076.0/56

In: 9.979+/-0.343 χ^2/NDF:57111.6/48

Out: 23.252+/-0.333 χ^2/NDF:9385.3/55

All: 16.803+/-0.239 χ^2/NDF: 67267.9/104

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1845.371+/-0.346 χ^2/NDF: 1184950.1/25

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

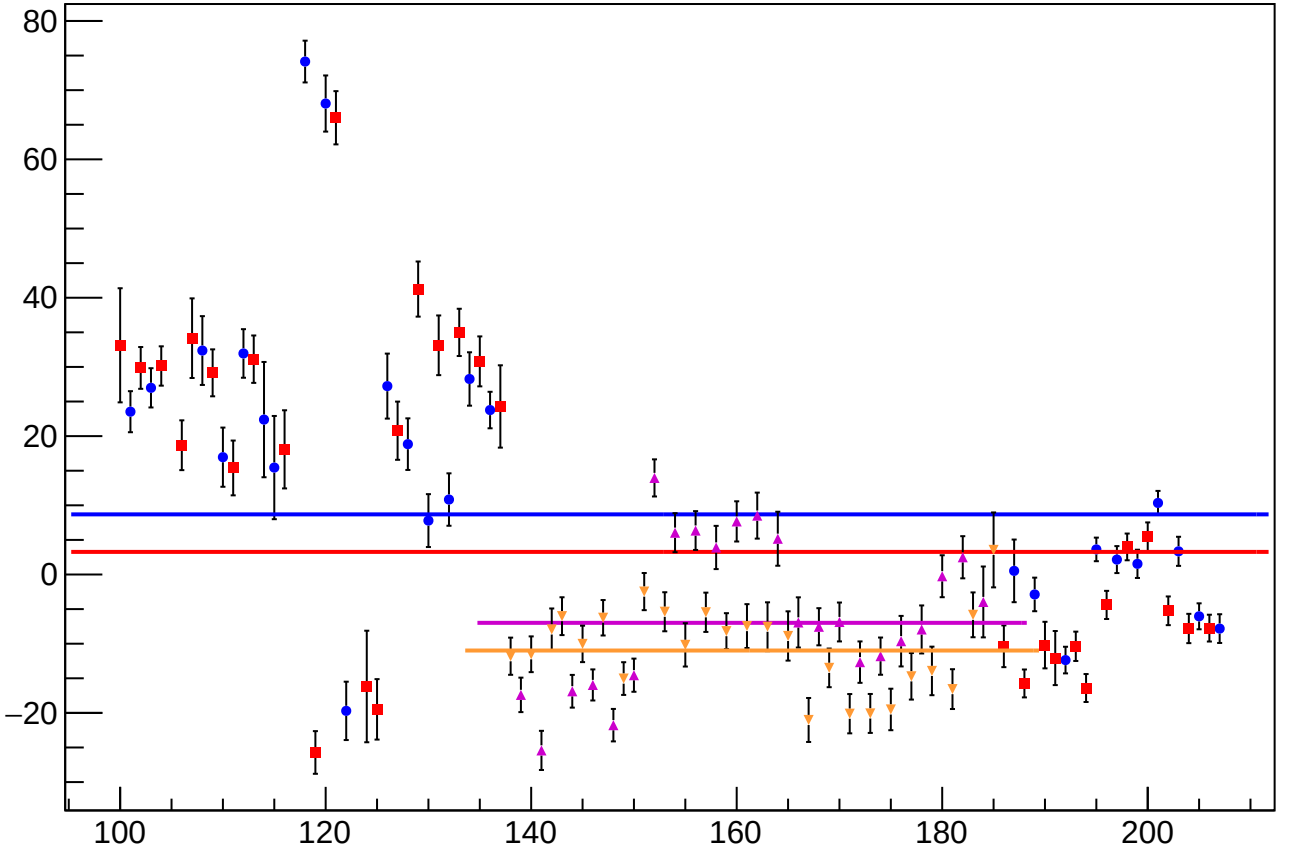
Right: 1862.653+/-0.240 χ^2/NDF: 2168527.3/56

In: 1932.727+/-0.242 χ^2/NDF:2360800.2/48

Out: 1958.629+/-0.236 χ^2/NDF:2217687.2/55

All: 1946.045+/-0.169 χ^2/NDF: 4584359.6/10

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 8.692+/-0.531 χ^2/NDF: 1262.1/25

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

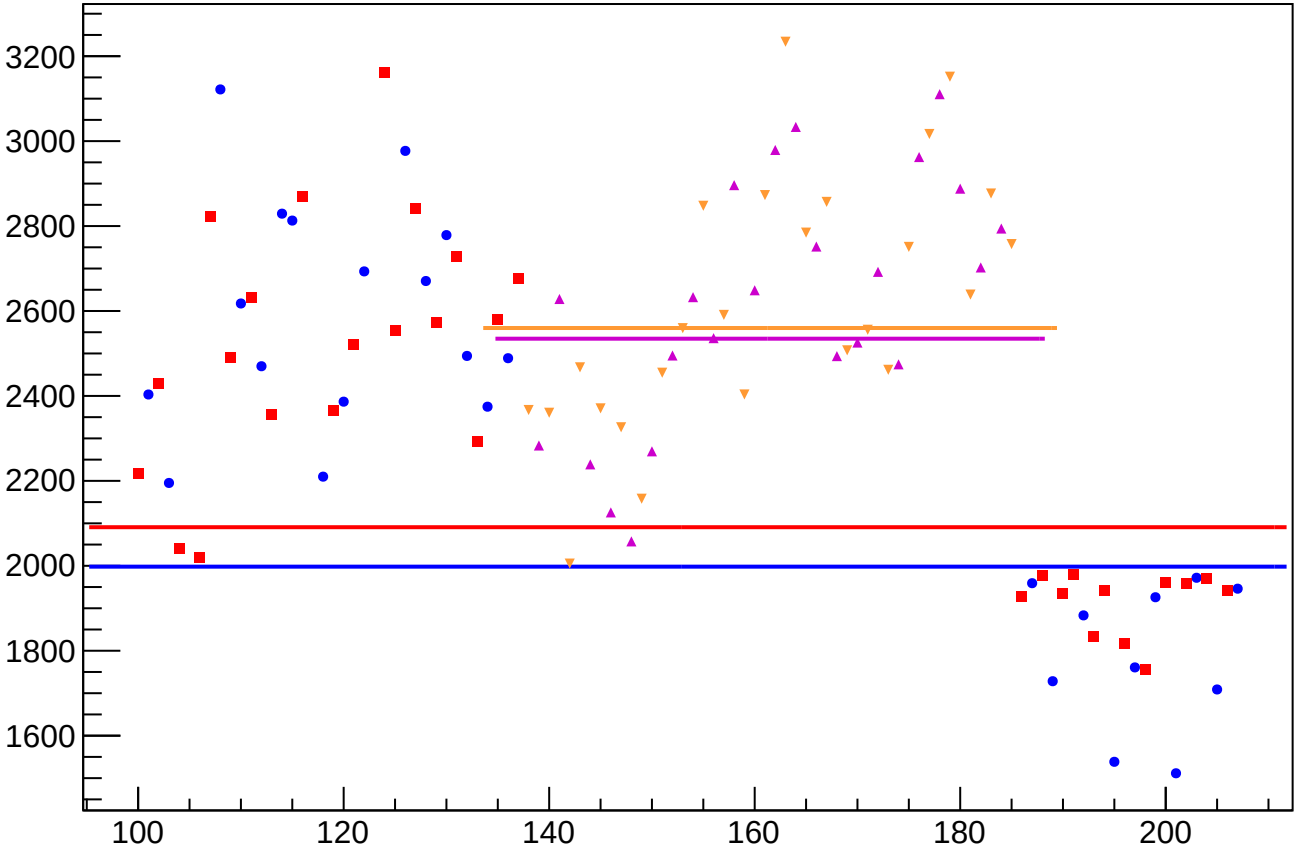
Right: 5.936+/-0.372 χ^2/NDF: 2752.4/56

In: 1.788+/-0.397 χ^2/NDF:1985.6/48

Out: -3.045+/-0.390 χ^2/NDF:1854.5/55

All: -0.673+/-0.278 χ^2/NDF: 3915.5/104

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 1998.009+/-0.375 χ^2/NDF: 1126465.9/25

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

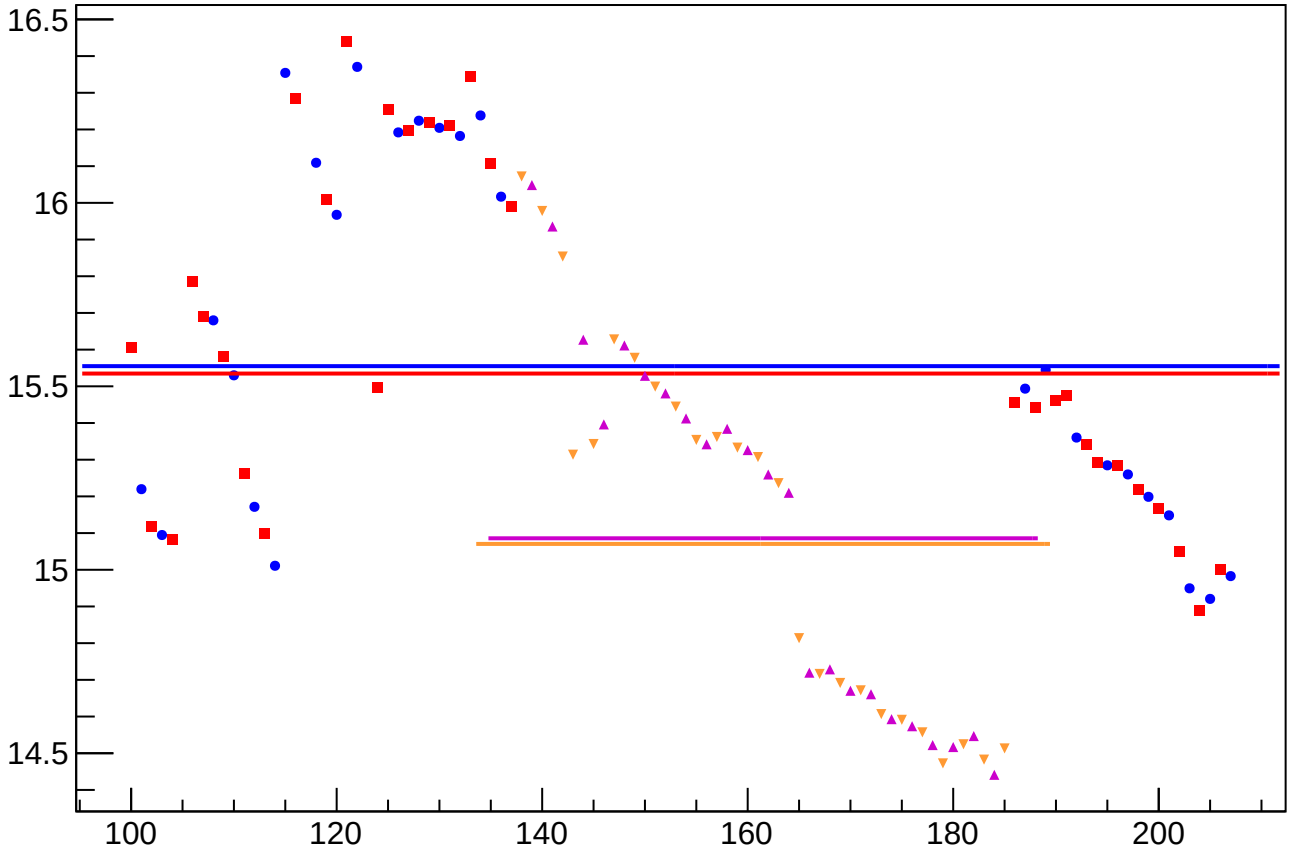
Right: 2045.193+/-0.263 χ^2/NDF: 1819342.3/56

In: 2234.390+/-0.281 χ^2/NDF:2490476.9/48

Out: 2298.635+/-0.276 χ^2/NDF:1826046.1/55

All: 2267.102+/-0.197 χ^2/NDF: 4343171.0/10

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.555+/-0.000 χ^2/NDF: 19619628665.8/25

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.535+/-0.000 χ^2/NDF: 18141443816.0/30

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

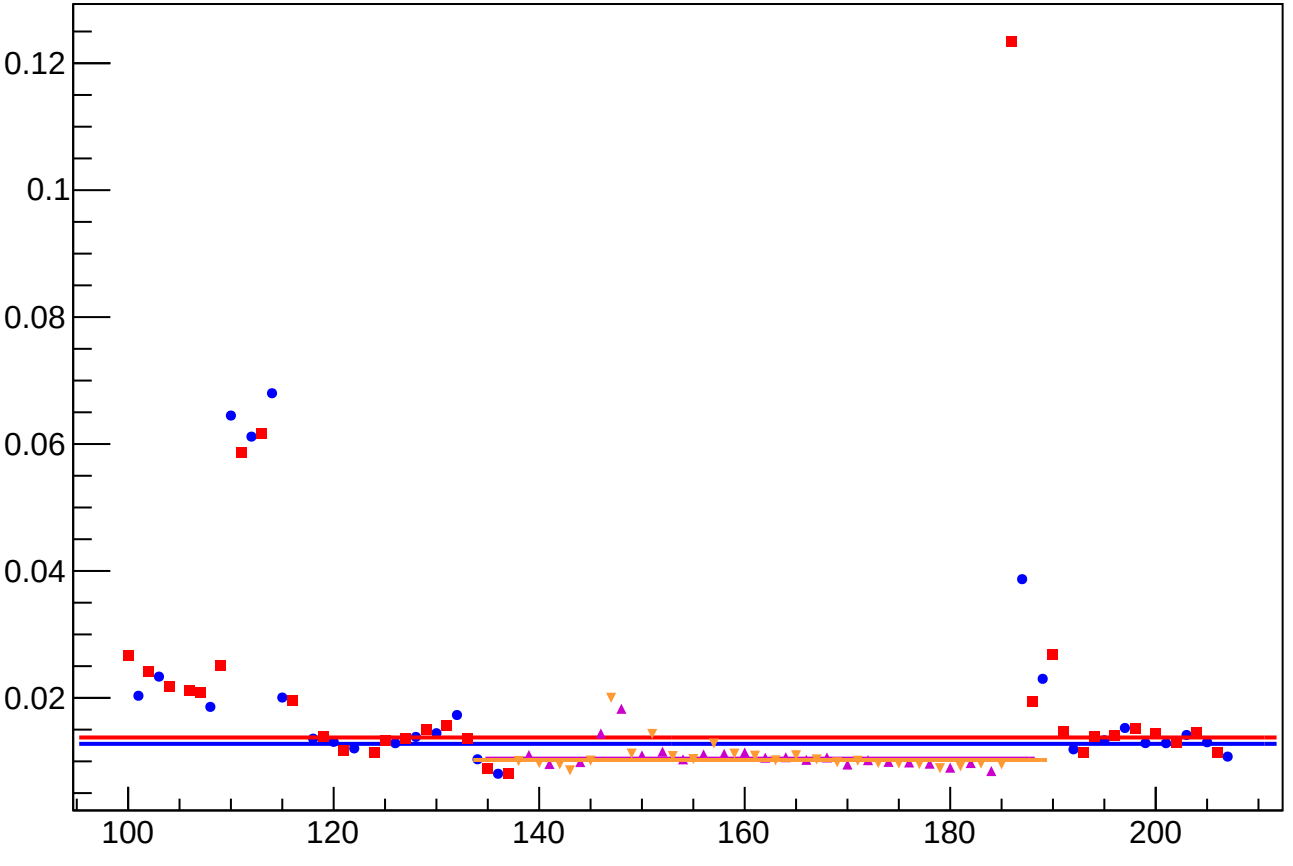
Right: 15.545+/-0.000 χ^2/NDF: 37776485043.5/56

In: 15.241+/-0.000 χ^2/NDF:70641923655.7/48

Out: 15.208+/-0.000 χ^2/NDF:72956791595.2/55

All: 15.224+/-0.000 χ^2/NDF: 143732317288.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2816662.8/25

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

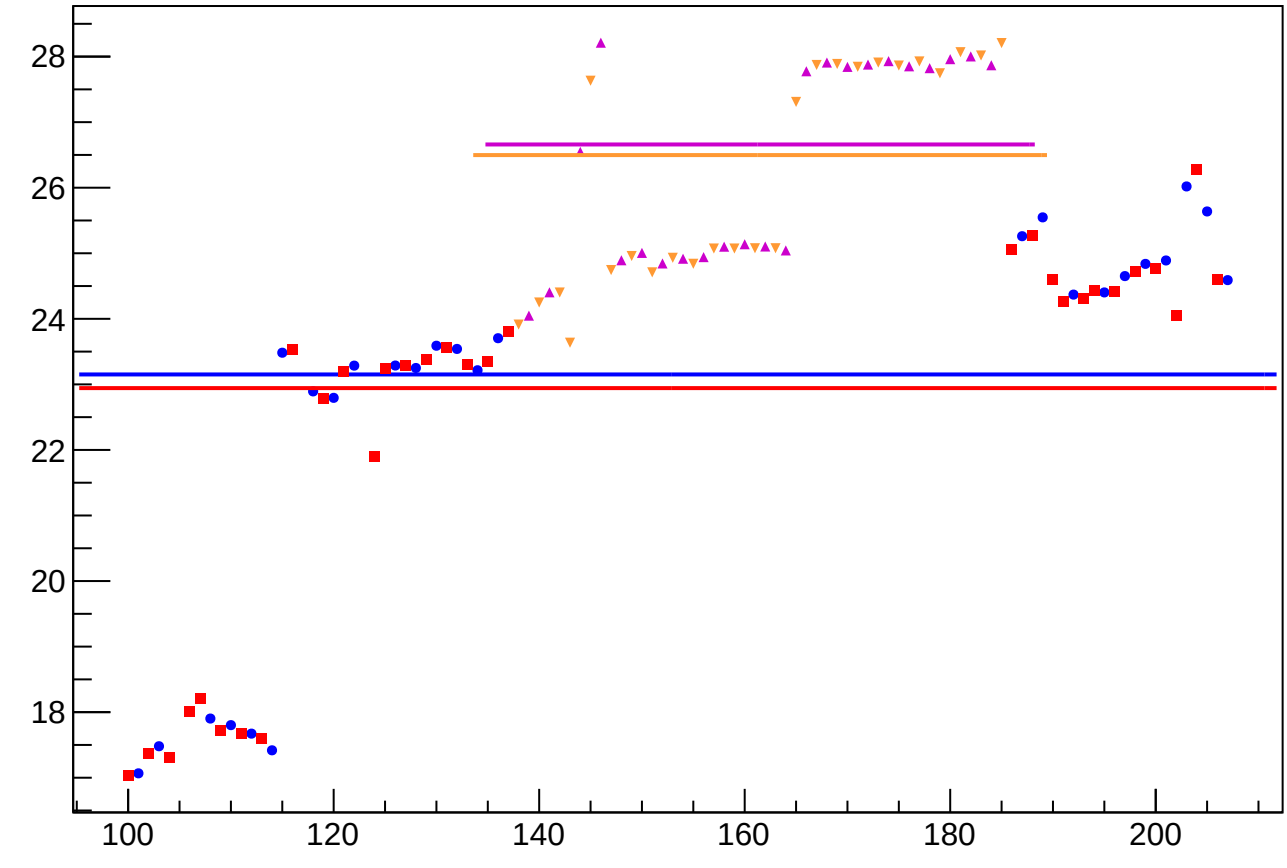
Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

Right: 0.013+/-0.000 χ^2/NDF: 6232933.2/56

In: 0.011+/-0.000 χ^2/NDF:3982859.8/48

Out: 0.011+/-0.000 χ^2/NDF:5394766.3/55

All: 0.011+/-0.000 χ^2/NDF: 9378705.1/104



Right In: 23.151+/-0.000 χ^2/NDF: 1576599721.6/25

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

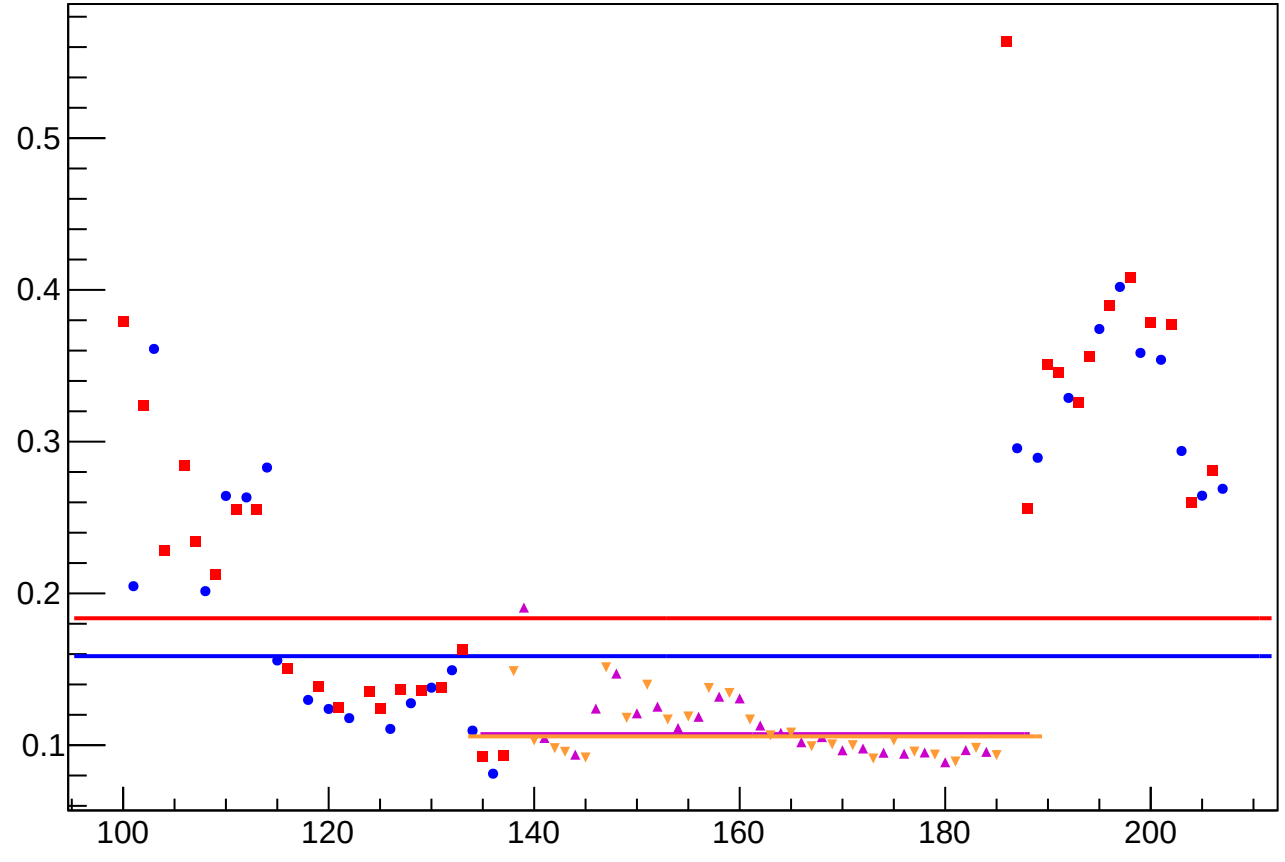
Right: 23.055+/-0.000 χ^2/NDF: 3238560143.3/56

In: 25.834+/-0.000 χ^2/NDF:8403219863.3/48

Out: 25.802+/-0.000 χ^2/NDF:9230912585.2/55

All: 25.818+/-0.000 χ^2/NDF: 17635065182.2

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.159+/-0.000 χ^2/NDF: 6448226.2/25

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

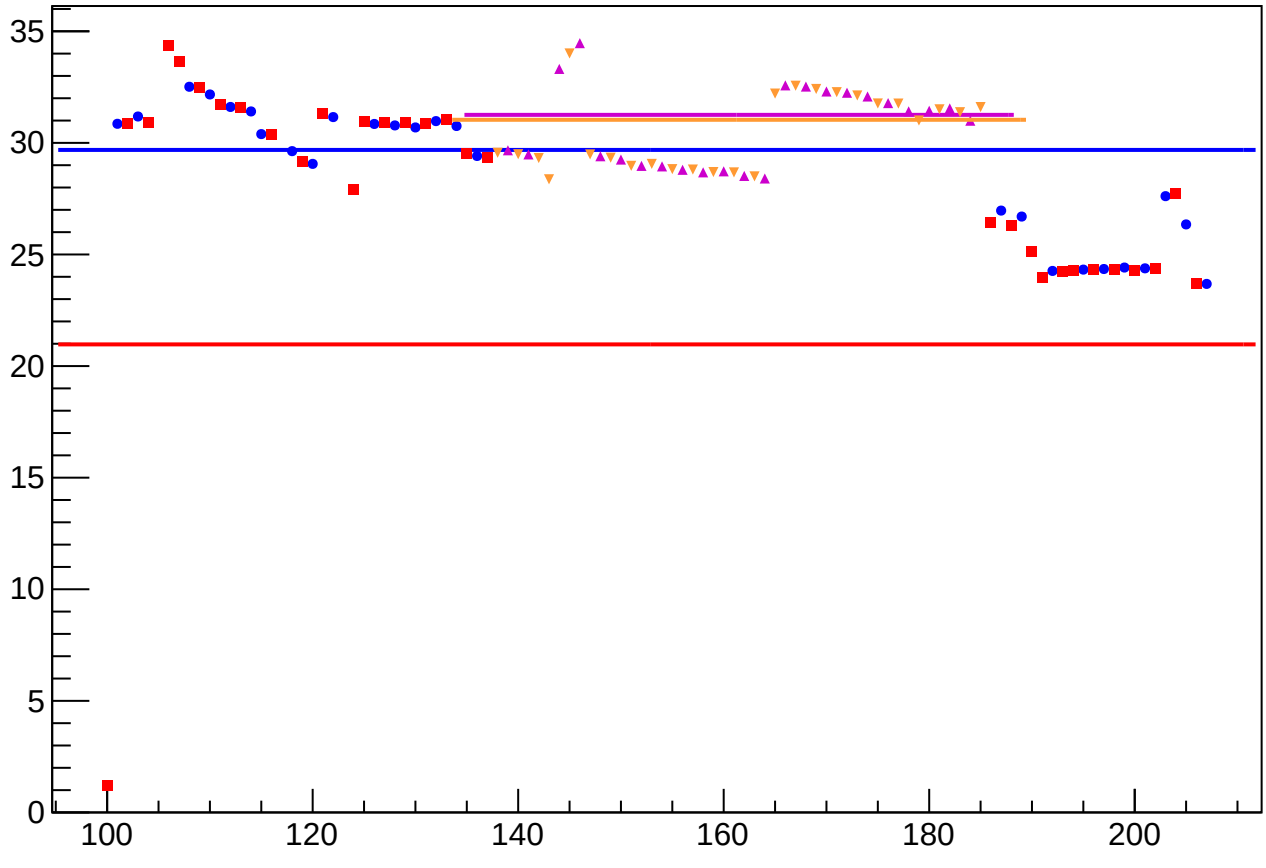
Right: 0.170+/-0.000 χ^2/NDF: 12900976.5/56

In: 0.119+/-0.000 χ^2/NDF:8998680.4/48

Out: 0.121+/-0.000 χ^2/NDF:10485071.6/55

All: 0.120+/-0.000 χ^2/NDF: 19488771.7/104

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.685+/-0.000 χ^2/NDF: 4587699944.8/25

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

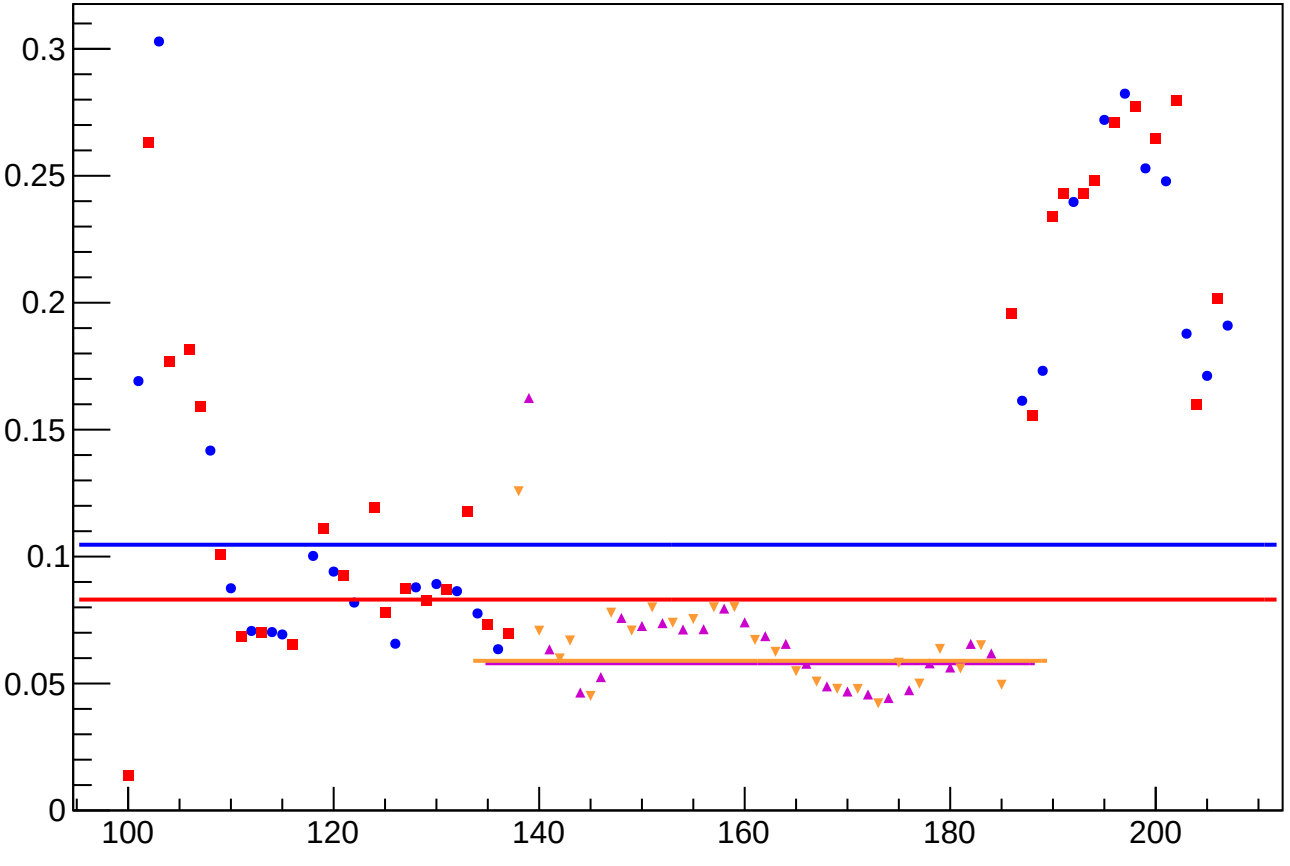
Right: 24.663+/-0.000 χ^2/NDF: 271372363042.1/56

In: 30.965+/-0.000 χ^2/NDF:19061381524.4/48

Out: 28.728+/-0.000 χ^2/NDF:337143089024.2/55

All: 29.794+/-0.000 χ^2/NDF: 369461754477.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.105+/-0.000 χ^2/NDF: 6157401.3/25

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

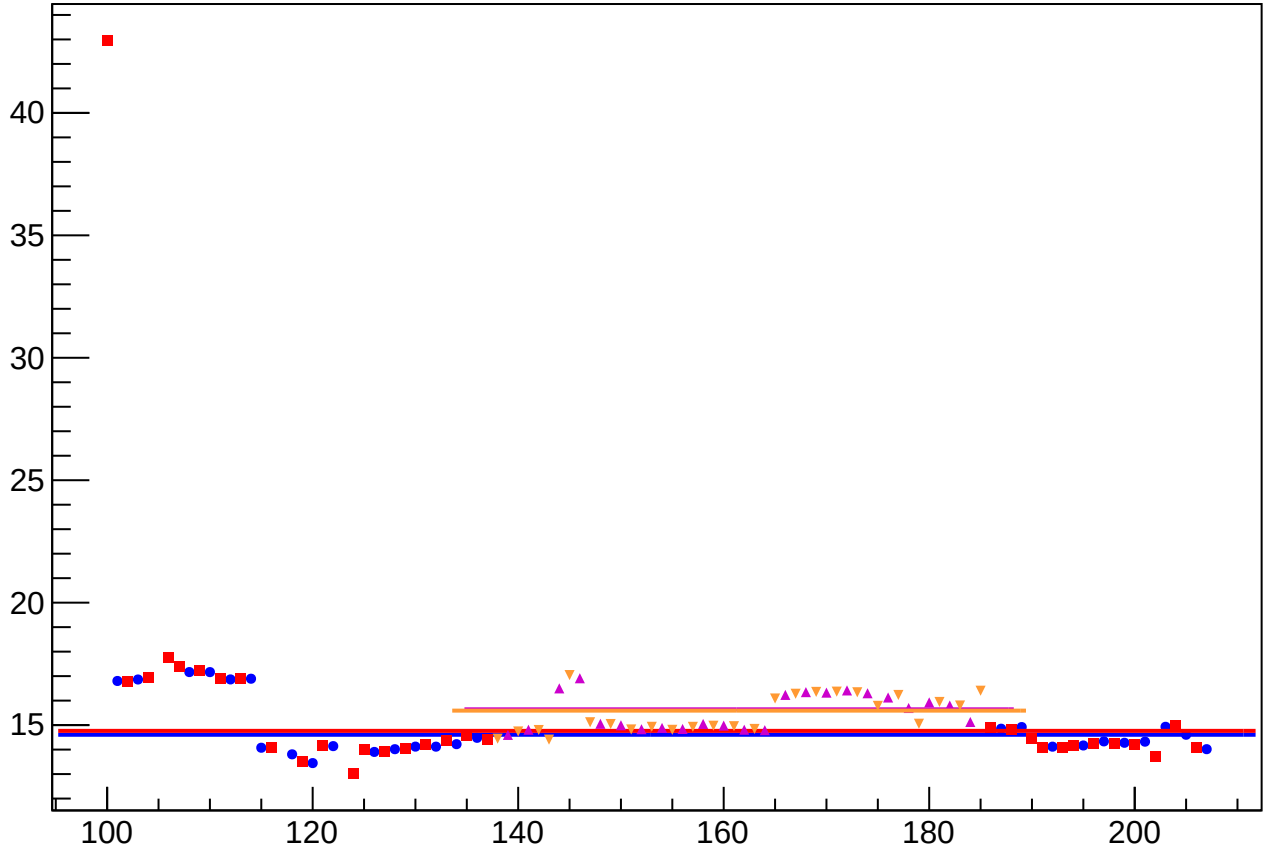
Right: 0.092+/-0.000 χ^2/NDF: 18604284.6/56

In: 0.067+/-0.000 χ^2/NDF:11201026.6/48

Out: 0.064+/-0.000 χ^2/NDF:14622119.1/55

All: 0.065+/-0.000 χ^2/NDF: 25847574.6/104

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.605+/-0.000 χ^2/NDF: 1223207534.4/25

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

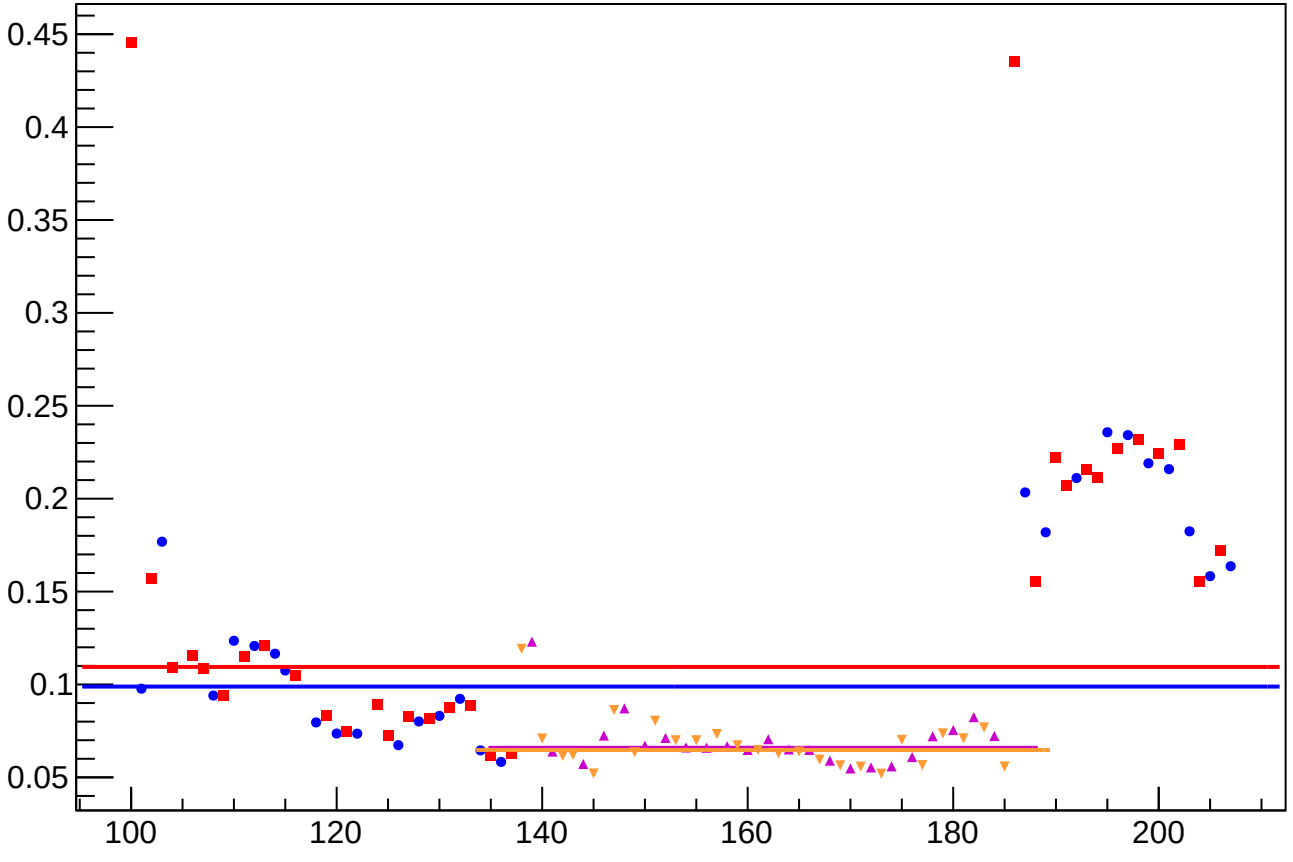
Right: 14.682+/-0.000 χ^2/NDF: 3042742627.1/56

In: 15.394+/-0.000 χ^2/NDF:4012744810.3/48

Out: 15.417+/-0.000 χ^2/NDF:4624452467.1/55

All: 15.406+/-0.000 χ^2/NDF: 8638469972.6/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.099+/-0.000 χ^2/NDF: 5447184.9/25

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

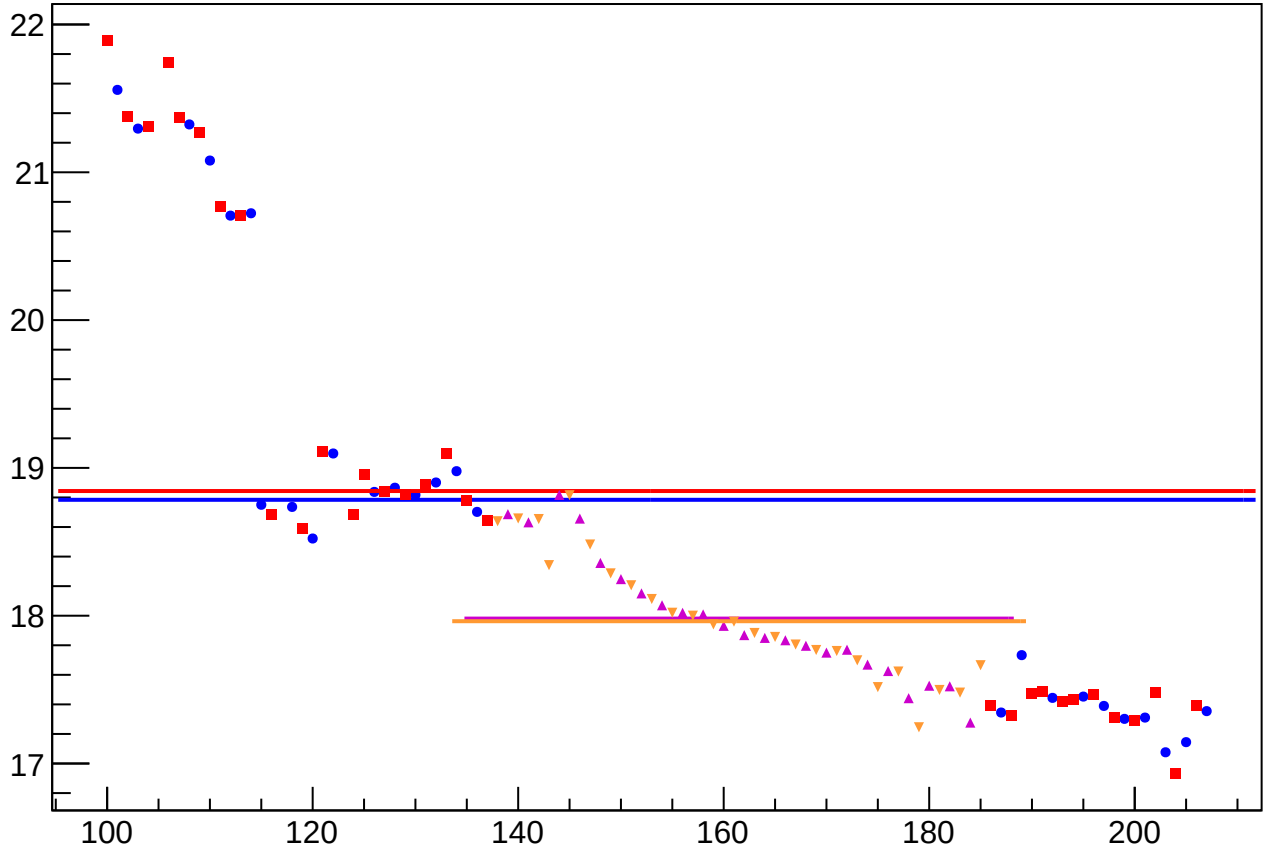
Right: 0.104+/-0.000 χ^2/NDF: 11103819.8/56

In: 0.074+/-0.000 χ^2/NDF:8109112.9/48

Out: 0.074+/-0.000 χ^2/NDF:9672785.5/55

All: 0.074+/-0.000 χ^2/NDF: 17782387.0/104

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.784+/-0.000 χ^2/NDF: 32175200906.0/25

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

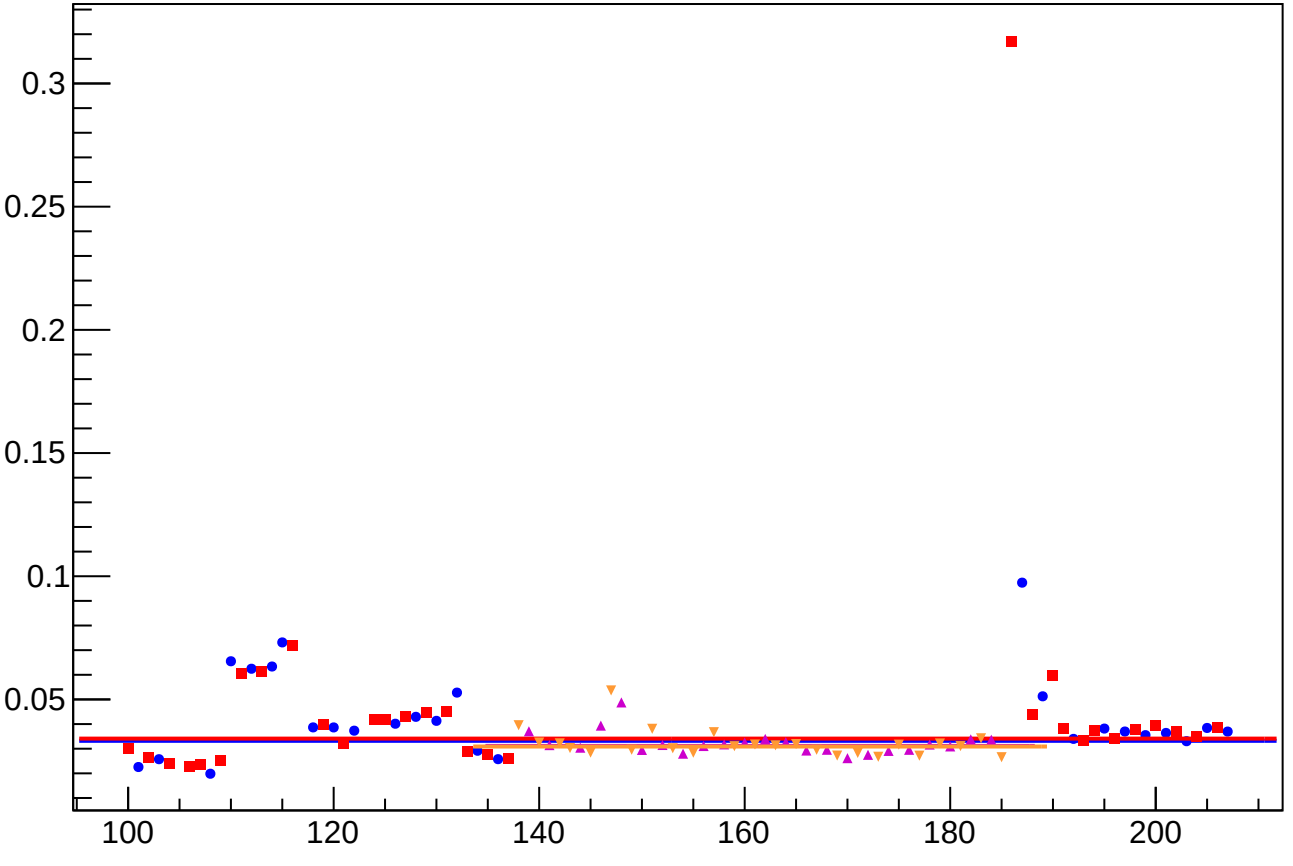
Right: 18.814+/-0.000 χ^2/NDF: 67350370253.2/56

In: 18.302+/-0.000 χ^2/NDF:39511050649.6/48

Out: 18.307+/-0.000 χ^2/NDF:44008941472.4/55

All: 18.304+/-0.000 χ^2/NDF: 83520369224.8

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 1949370.9/25

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

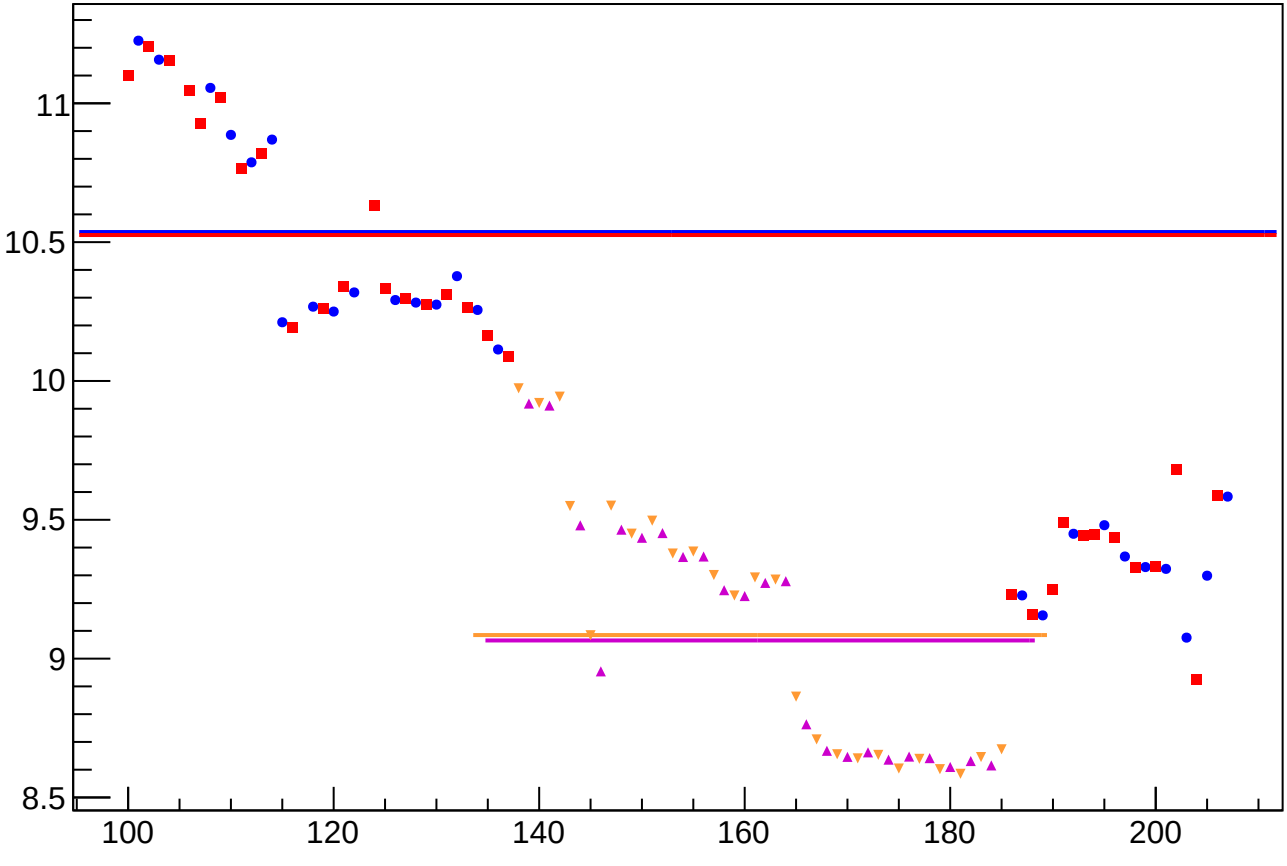
Right: 0.034+/-0.000 χ^2/NDF: 4224703.9/56

In: 0.032+/-0.000 χ^2/NDF:2493304.3/48

Out: 0.032+/-0.000 χ^2/NDF:3053548.5/55

All: 0.032+/-0.000 χ^2/NDF: 5547853.0/104

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.536+/-0.000 χ^2/NDF: 13486826876.7/25

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

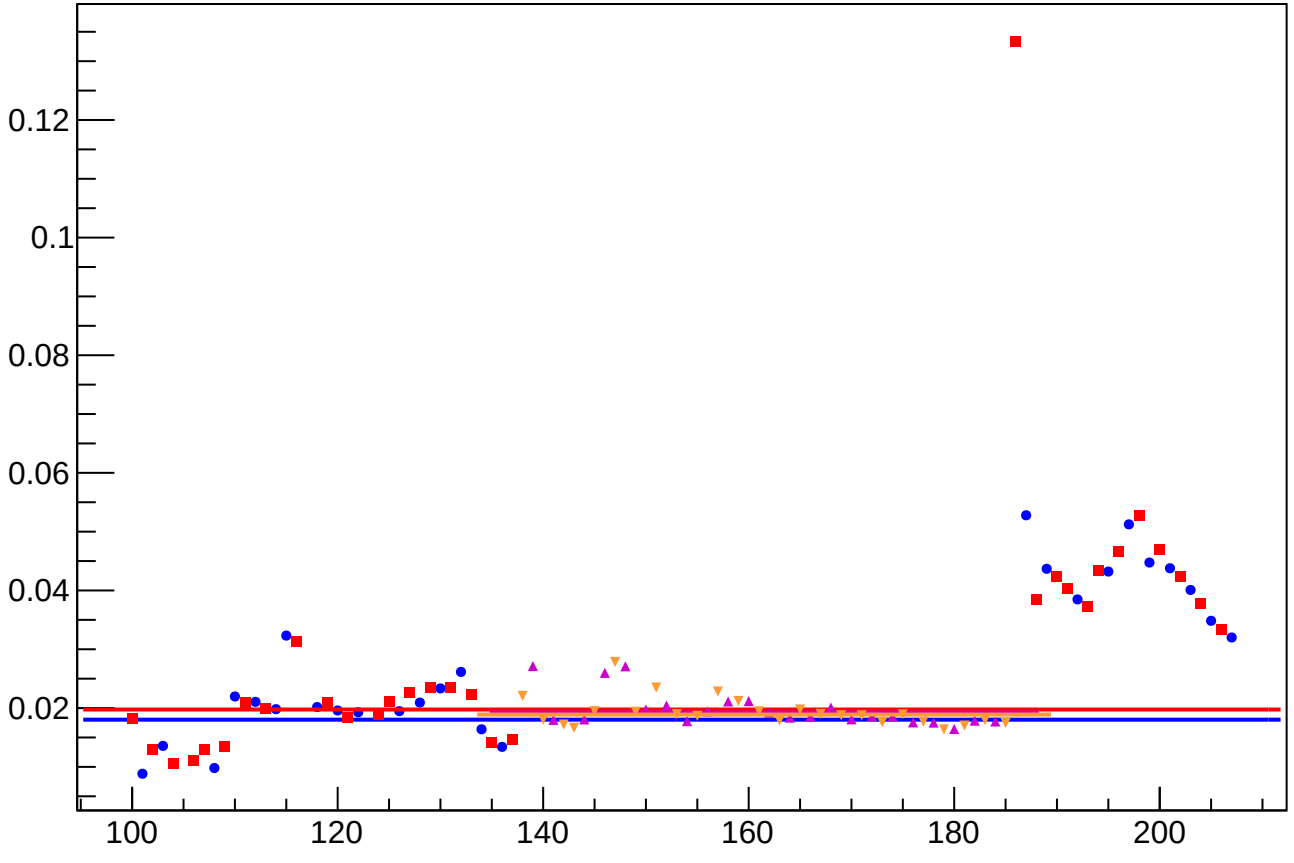
Right: 10.531+/-0.000 χ^2/NDF: 26079327350.1/56

In: 9.682+/-0.000 χ^2/NDF:62141937717.0/48

Out: 9.636+/-0.000 χ^2/NDF:61928407354.3/55

All: 9.658+/-0.000 χ^2/NDF: 124151605957.1

yield_sam6_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 6953403.3/25

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

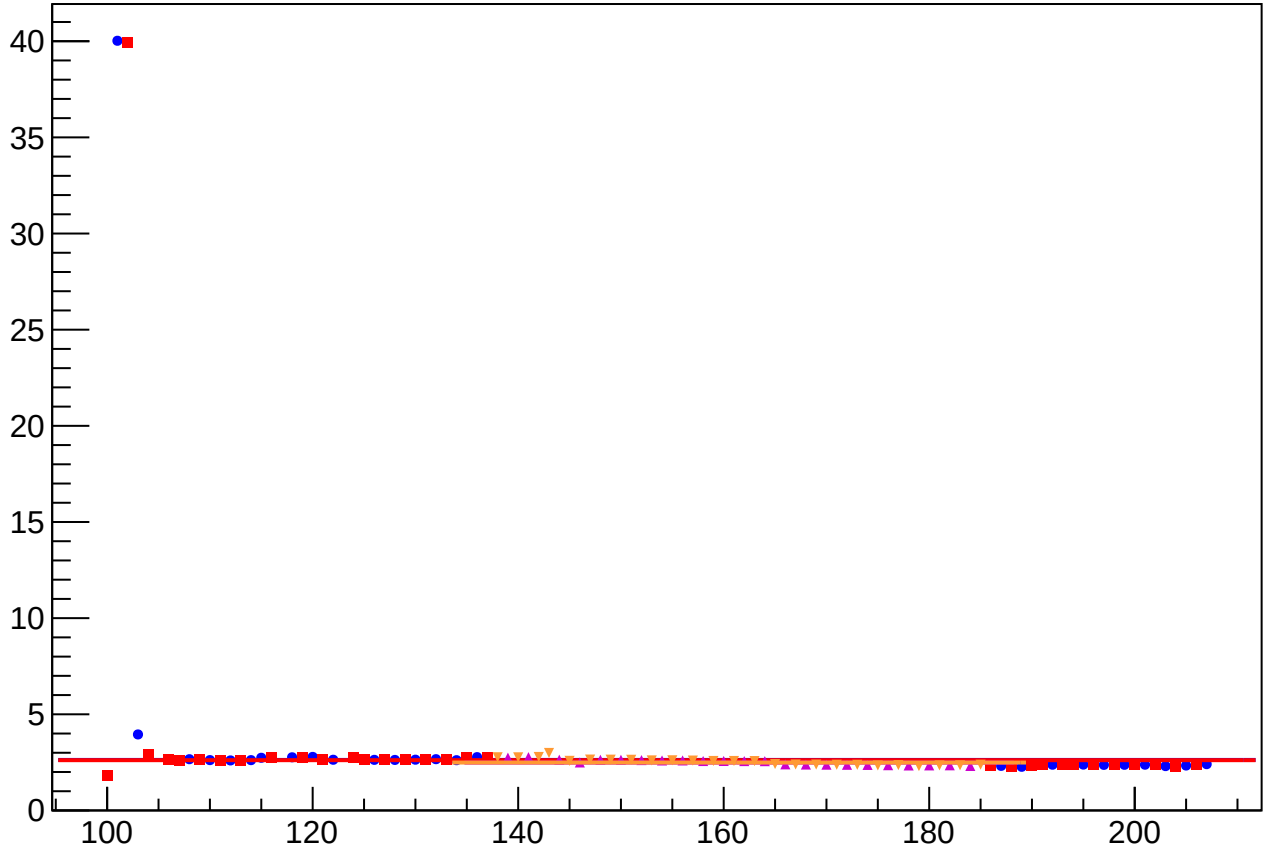
Right: 0.019+/-0.000 χ^2/NDF: 14186325.4/56

In: 0.019+/-0.000 χ^2/NDF:7548563.0/48

Out: 0.019+/-0.000 χ^2/NDF:7608627.6/55

All: 0.019+/-0.000 χ^2/NDF: 15176519.6/104

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.627+/-0.000 χ^2/NDF: 84520302507.7/25

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

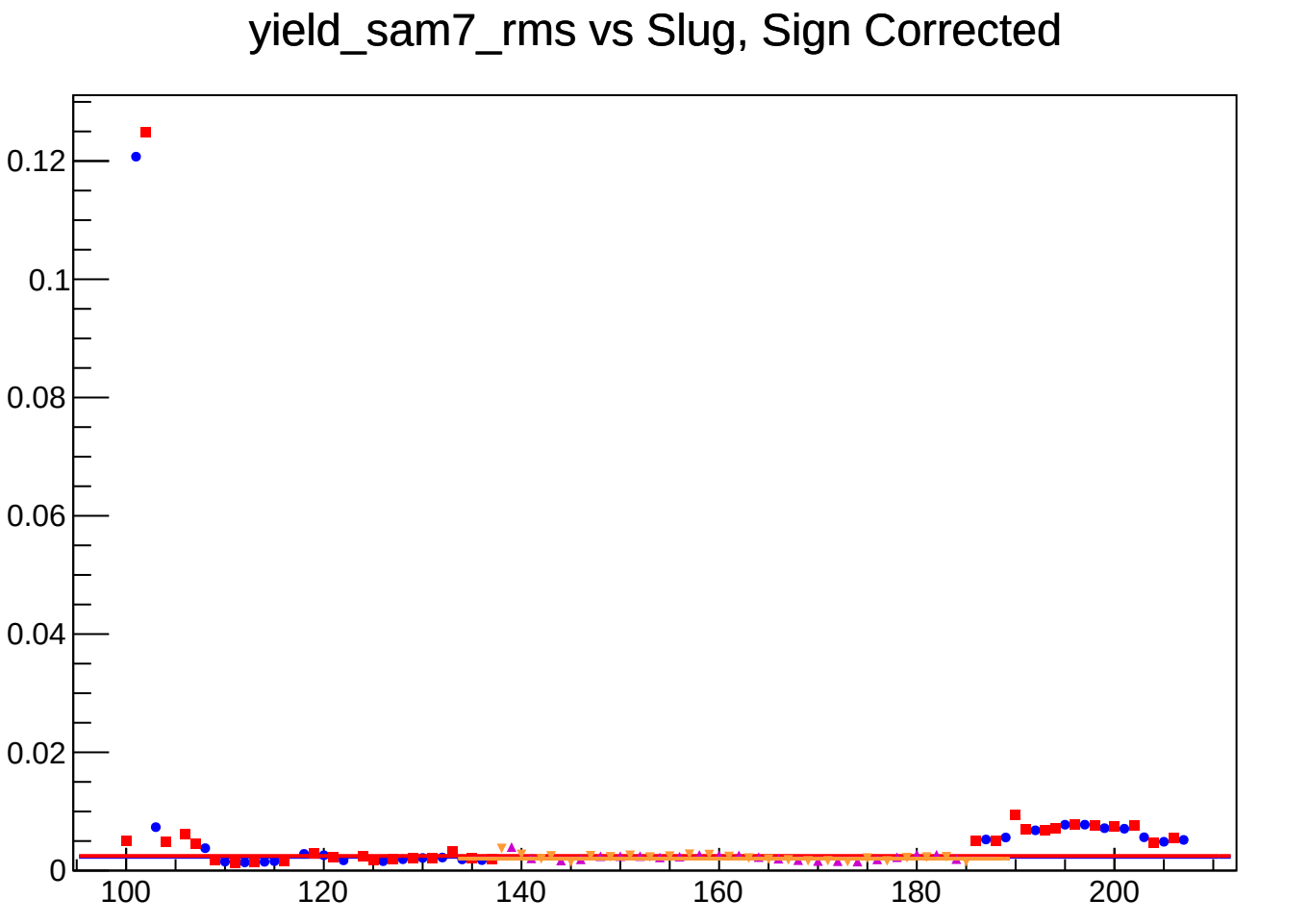
Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

Right: 2.621+/-0.000 χ^2/NDF: 167939333308.6/56

In: 2.533+/-0.000 χ^2/NDF:166992874275.2/48

Out: 2.528+/-0.000 χ^2/NDF:192983730078.7/55

All: 2.531+/-0.000 χ^2/NDF: 360036253693.7



Right In: 0.002+/-0.000 χ^2/NDF: 8541554.5/25

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

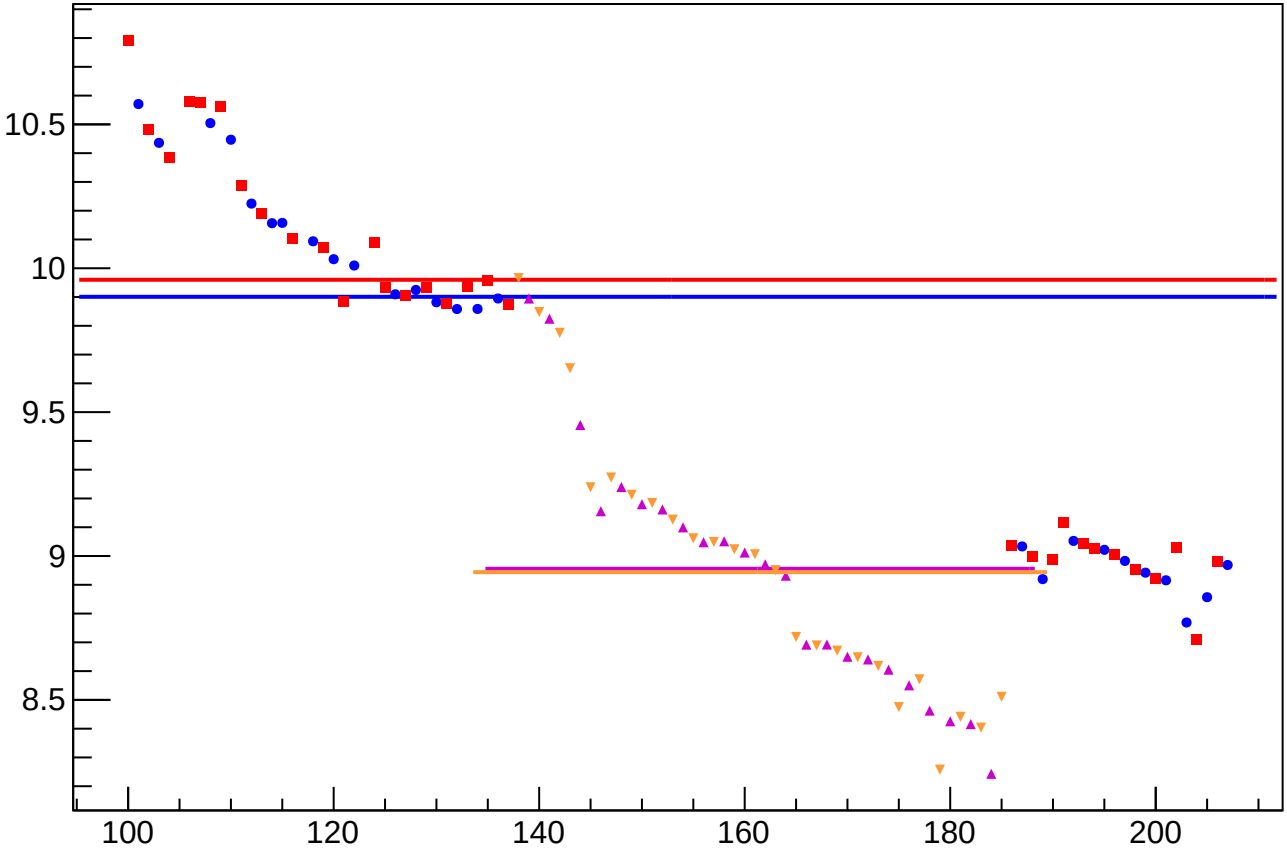
Right: 0.002+/-0.000 χ^2/NDF: 18650300.3/56

In: 0.002+/-0.000 χ^2/NDF:10092206.2/48

Out: 0.002+/-0.000 χ^2/NDF:12092017.3/55

All: 0.002+/-0.000 χ^2/NDF: 22184832.5/104

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.901+/-0.000 χ^2/NDF: 55655963988.5/25

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

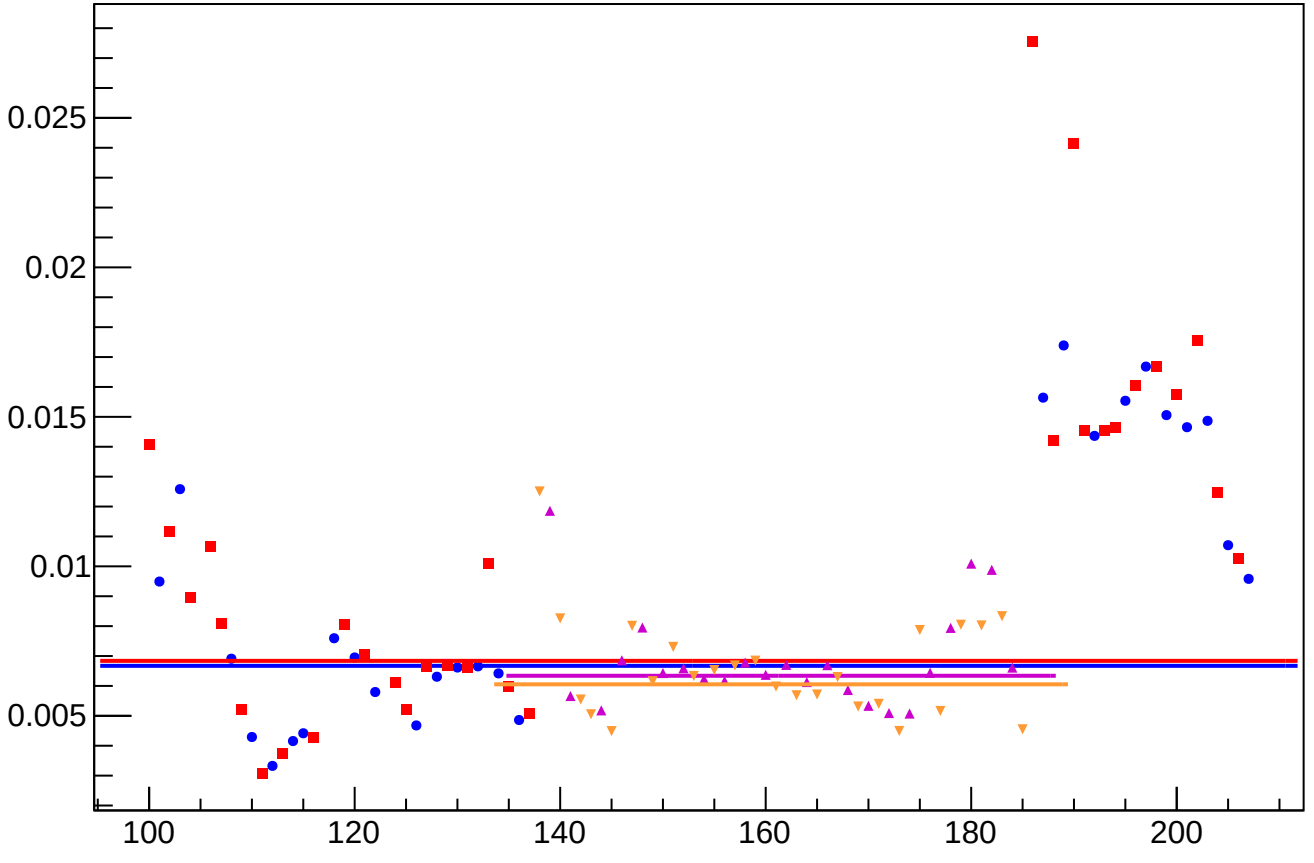
Right: 9.931+/-0.000 χ^2/NDF: 115559064587.3/56

In: 9.327+/-0.000 χ^2/NDF:234437529872.1/48

Out: 9.314+/-0.000 χ^2/NDF:281820260688.8/55

All: 9.320+/-0.000 χ^2/NDF: 516315393091.2

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 6104619.6/25

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

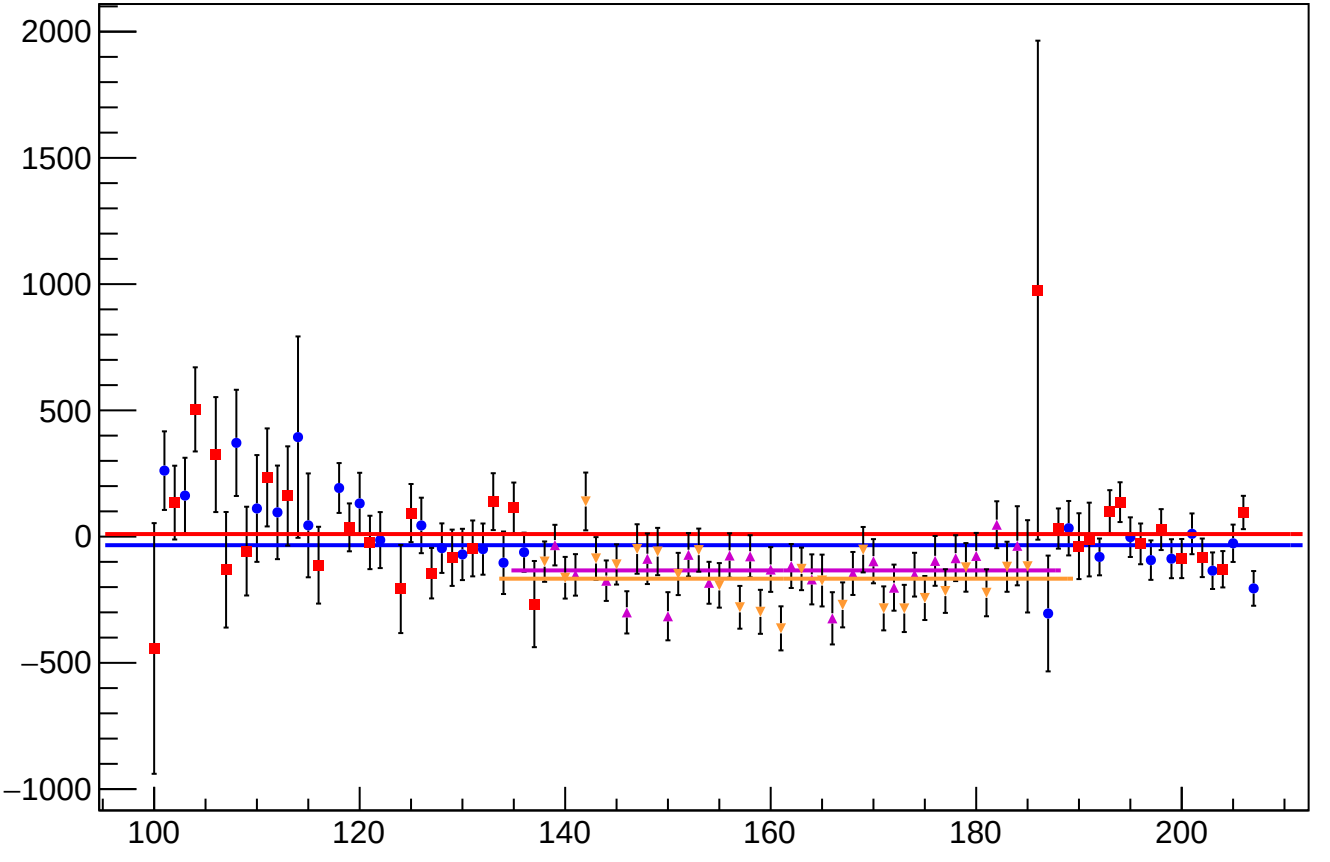
Right: 0.007+/-0.000 χ^2/NDF: 14067078.3/56

In: 0.006+/-0.000 χ^2/NDF:7311426.5/48

Out: 0.006+/-0.000 χ^2/NDF:9603747.4/55

All: 0.006+/-0.000 χ^2/NDF: 16925896.4/104

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -33.985+/-19.682 χ^2/NDF: 31.4/25

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

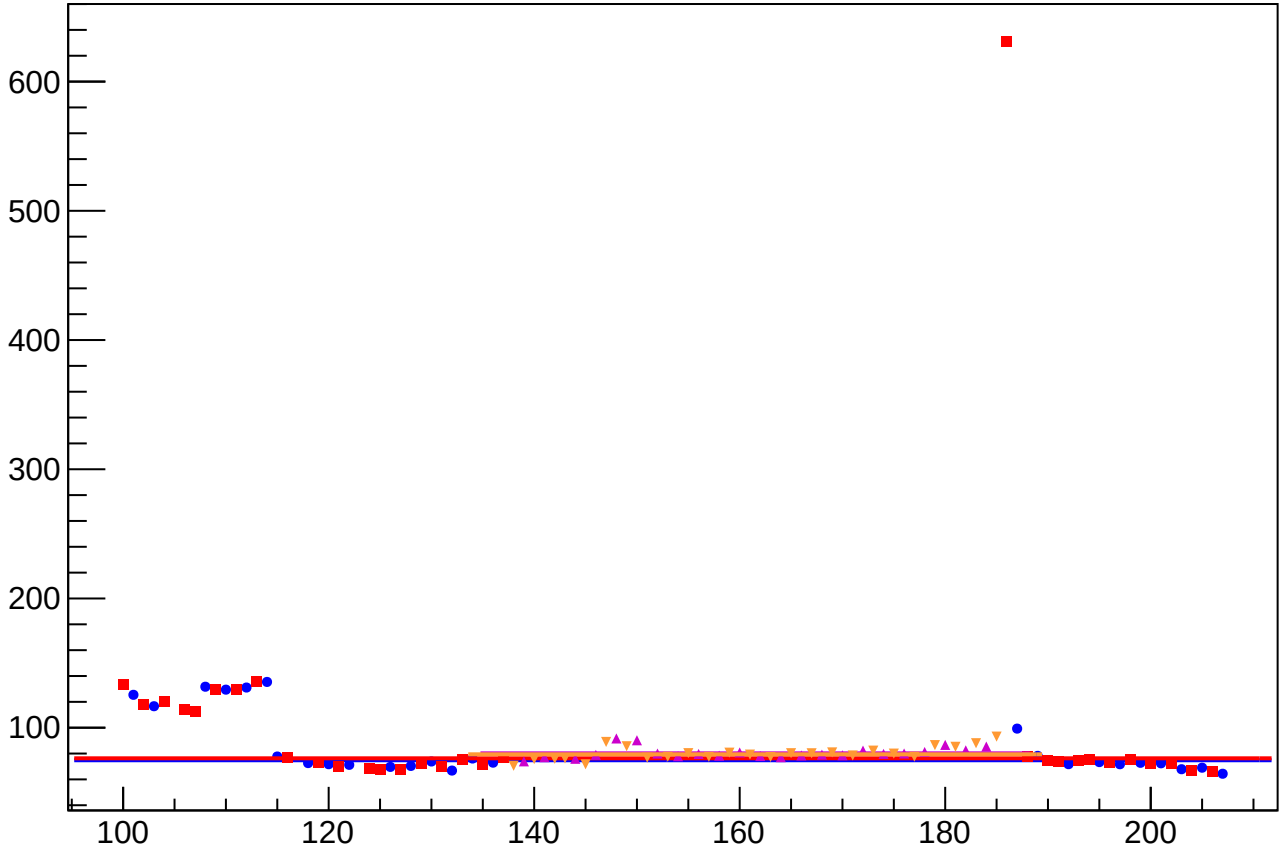
Right: -11.601+/-13.805 χ^2/NDF: 73.6/56

In: -86.319+/-13.578 χ^2/NDF:65.7/48

Out: -84.382+/-13.216 χ^2/NDF:115.8/55

All: -85.325+/-9.471 χ^2/NDF: 181.5/104

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 74.816+/-0.014 χ^2/NDF: 1016587.0/25

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

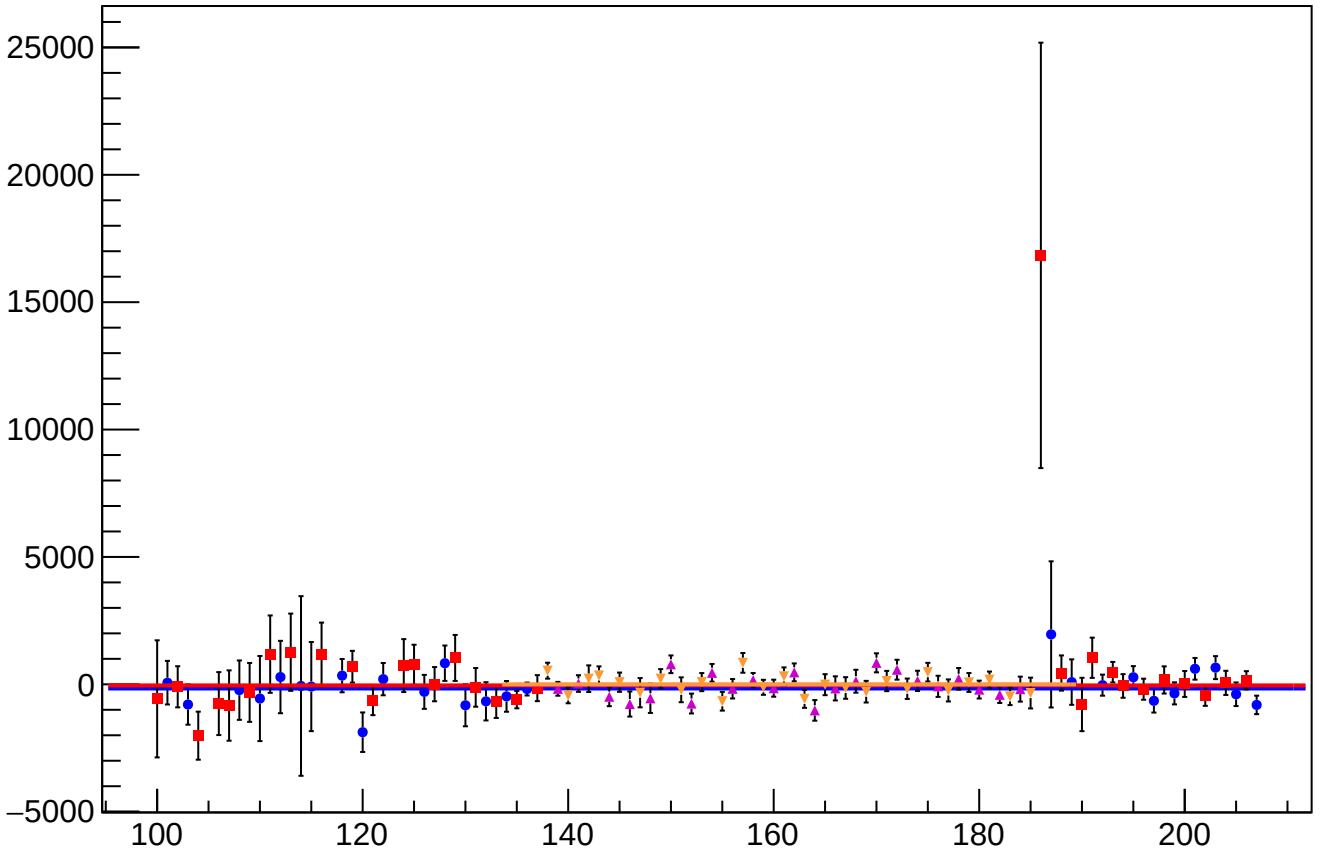
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 75.578+/-0.010 χ^2/NDF: 2749034.8/56

In: 77.617+/-0.010 χ^2/NDF:1185331.3/48

Out: 77.969+/-0.009 χ^2/NDF:1888646.0/55

All: 77.798+/-0.007 χ^2/NDF: 3074669.2/104



Right In: -163.870+/-110.115 χ^2/NDF: 23.2/25

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

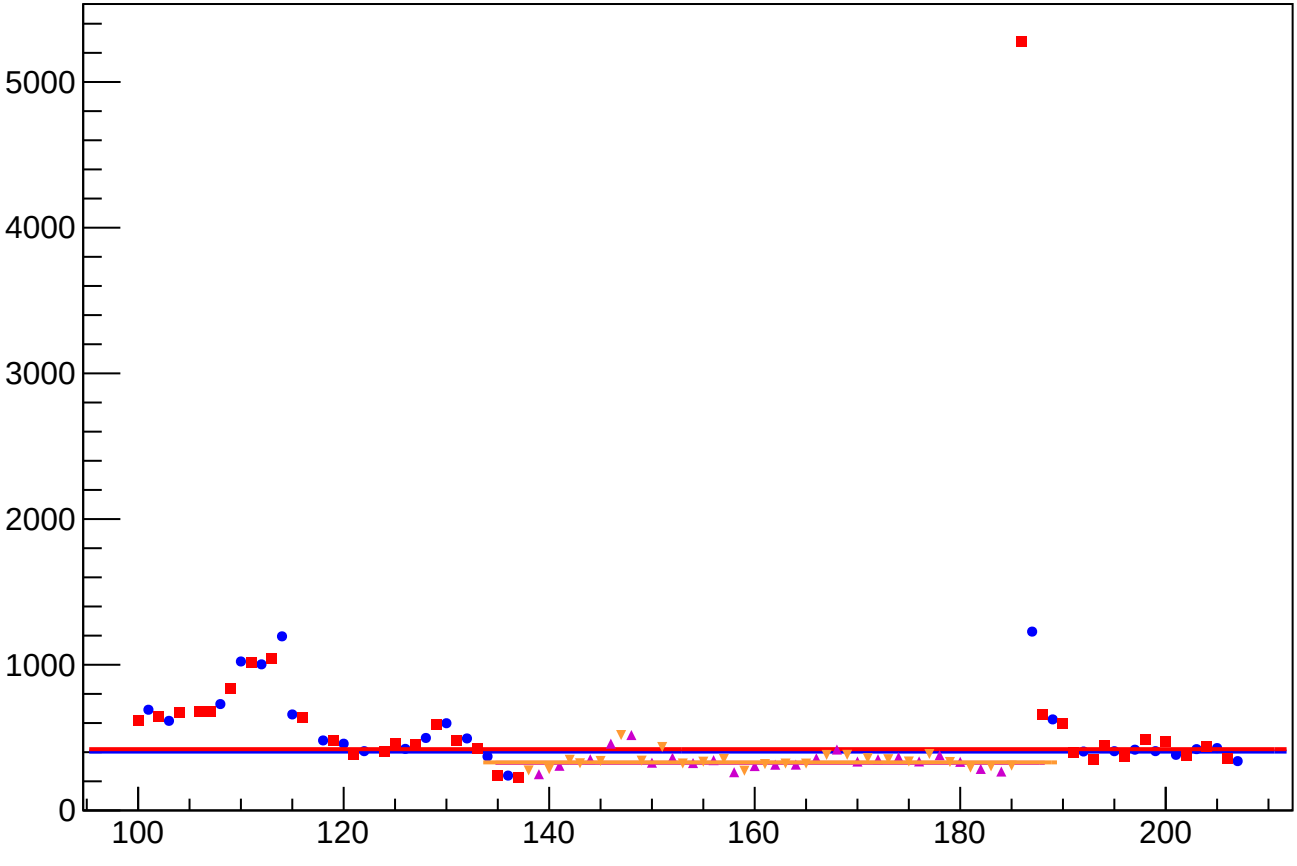
Right: -103.317+/-78.038 χ^2/NDF: 50.8/56

In: -67.223+/-63.399 χ^2/NDF:59.3/48

Out: -15.868+/-62.562 χ^2/NDF:51.1/55

All: -41.204+/-44.531 χ^2/NDF: 110.8/104

asym_sam1_reg_correction_rms vs Slug, Sign Corrected



Right In: 404.000+/-0.078 χ^2/NDF: 2728162.4/25

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

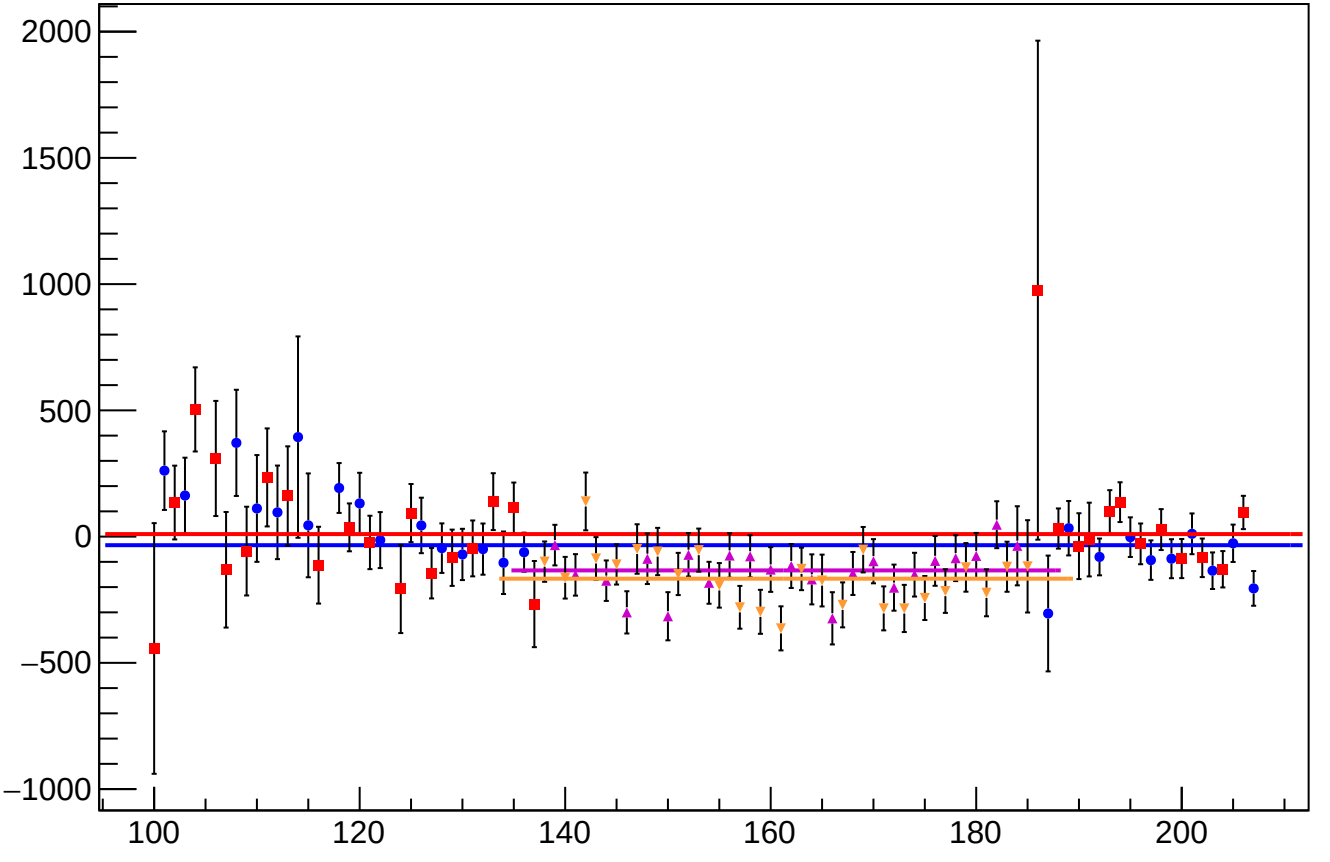
Right: 412.317+/-0.055 χ^2/NDF: 6343726.1/56

In: 352.500+/-0.045 χ^2/NDF:4281877.8/48

Out: 358.997+/-0.044 χ^2/NDF:5167284.7/55

All: 355.792+/-0.031 χ^2/NDF: 9459802.8/104

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -33.984+/-19.682 χ^2/NDF: 31.5/25

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

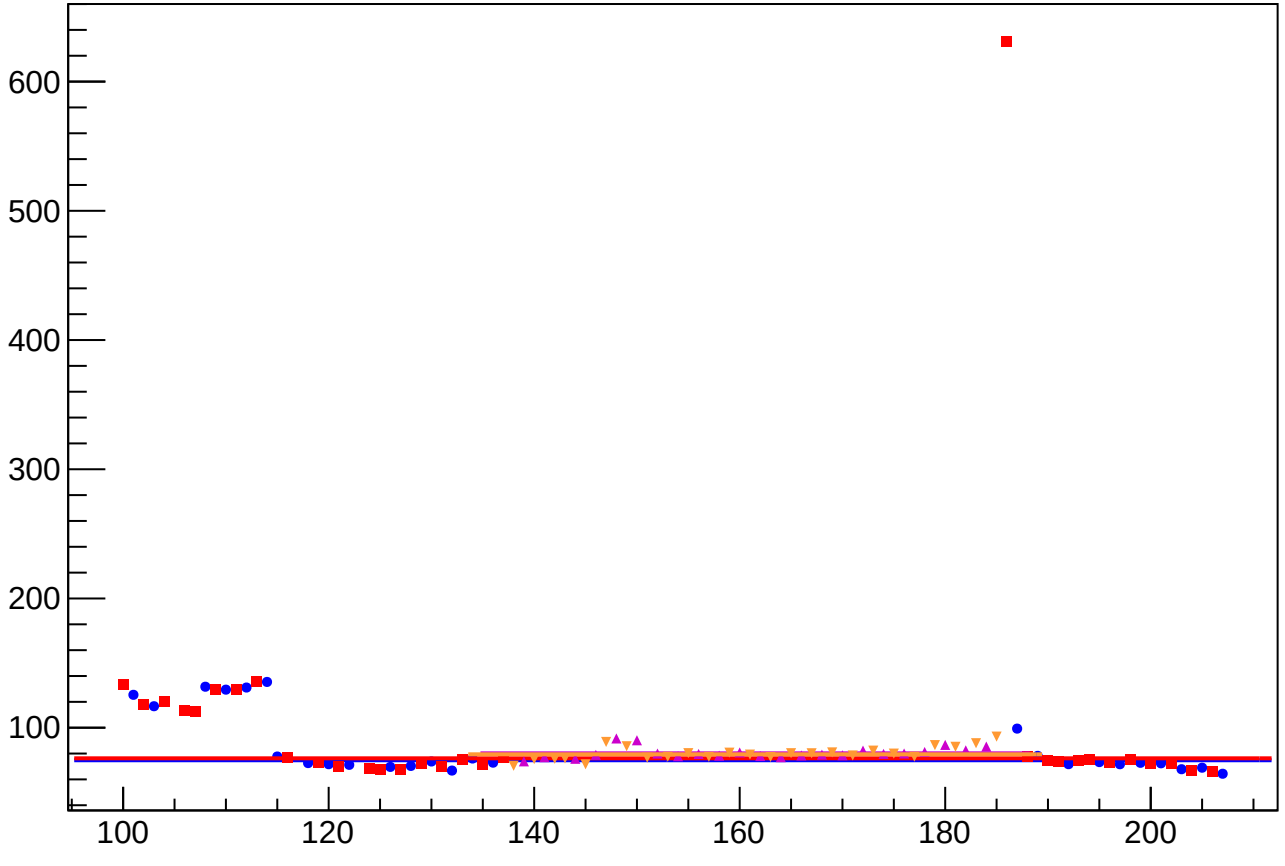
Right: -11.660+/-13.805 χ^2/NDF: 73.4/56

In: -86.322+/-13.578 χ^2/NDF:65.7/48

Out: -84.437+/-13.216 χ^2/NDF:115.5/55

All: -85.354+/-9.471 χ^2/NDF: 181.2/104

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 74.816+/-0.014 χ^2/NDF: 1016587.2/25

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

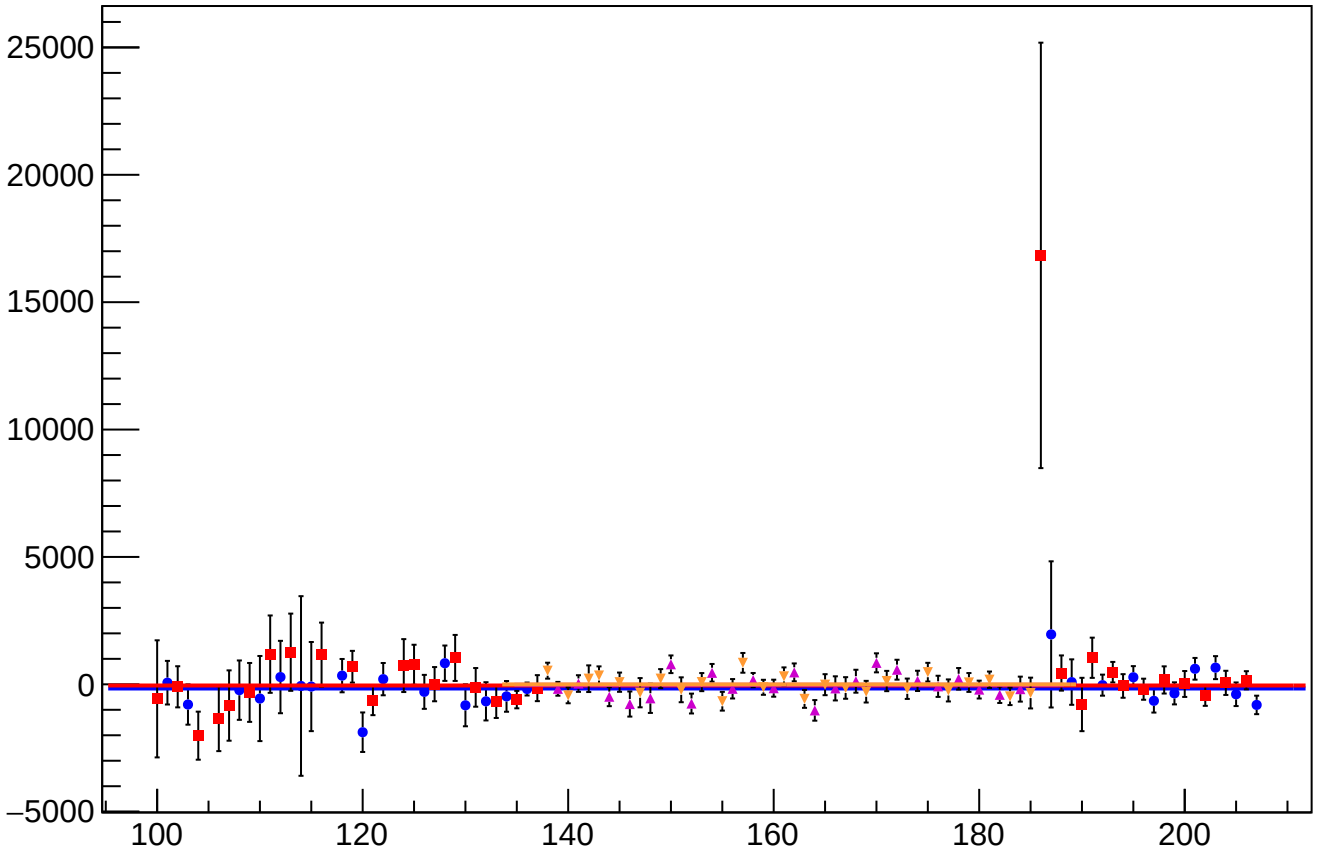
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 75.574+/-0.010 χ^2/NDF: 2746759.1/56

In: 77.617+/-0.010 χ^2/NDF:1185331.5/48

Out: 77.966+/-0.009 χ^2/NDF:1886522.3/55

All: 77.796+/-0.007 χ^2/NDF: 3072534.9/104



Right In: -163.872+/-110.115 χ^2/NDF: 23.2/25

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

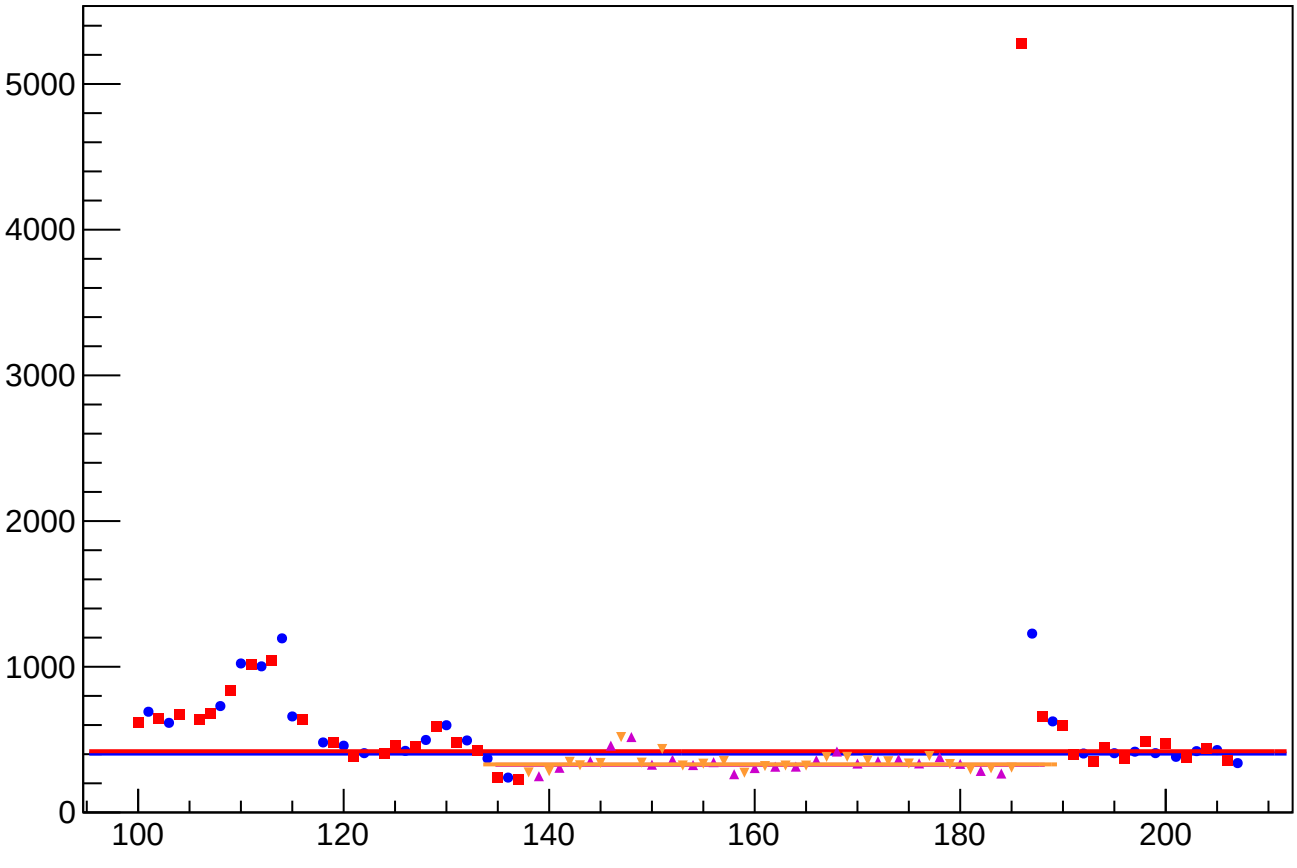
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -105.384+/-78.047 χ^2/NDF: 51.5/56

In: -67.228+/-63.399 χ^2/NDF:59.3/48

Out: -17.182+/-62.567 χ^2/NDF:51.9/55

All: -41.874+/-44.533 χ^2/NDF: 111.5/104



Right In: 404.000+/-0.078 χ^2/NDF: 2728157.6/25

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

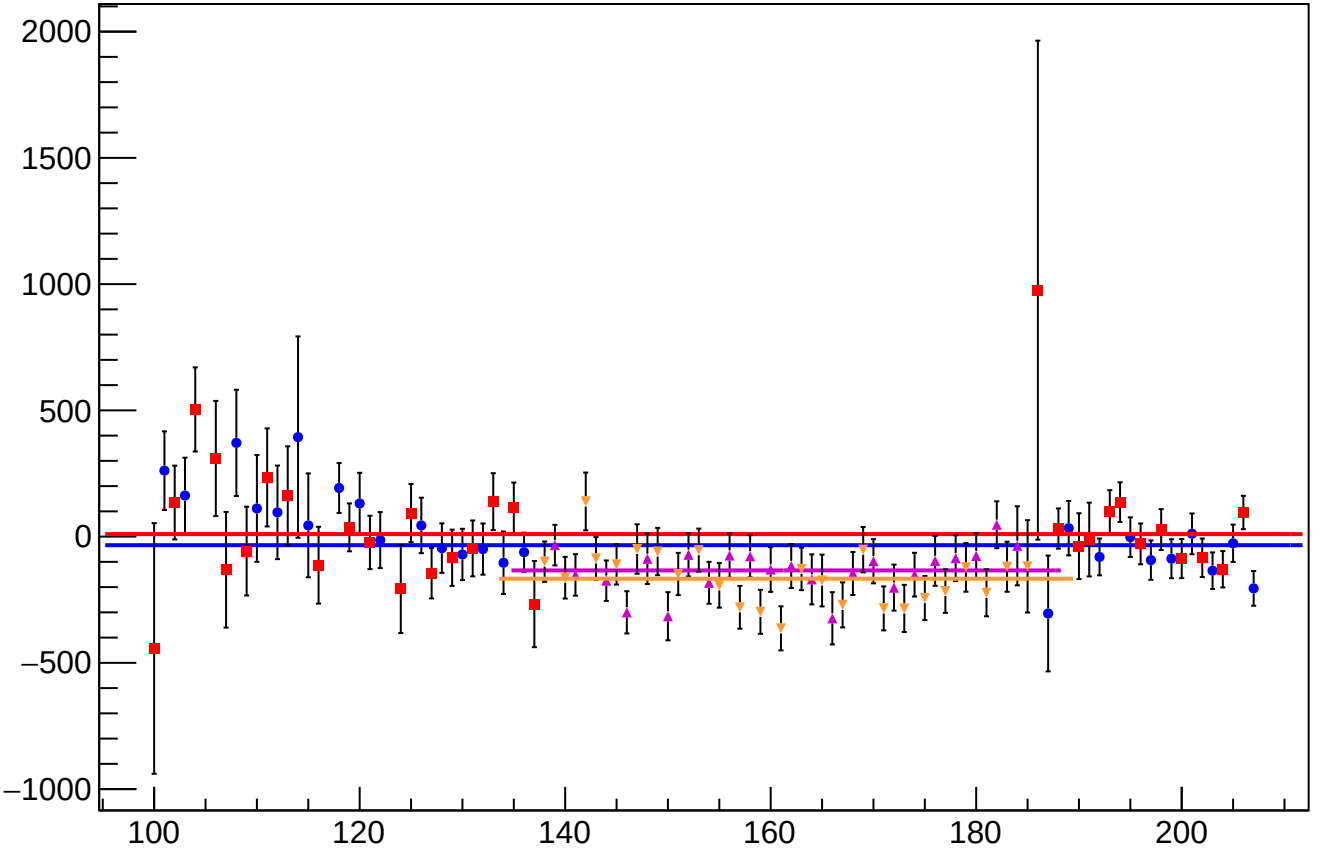
Right: 412.106+/-0.055 χ^2/NDF: 6314130.2/56

In: 352.500+/-0.045 χ^2/NDF:4281878.8/48

Out: 358.853+/-0.044 χ^2/NDF:5130089.4/55

All: 355.718+/-0.031 χ^2/NDF: 9422141.0/104

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -33.984+/-19.682 χ^2/NDF: 31.5/25

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

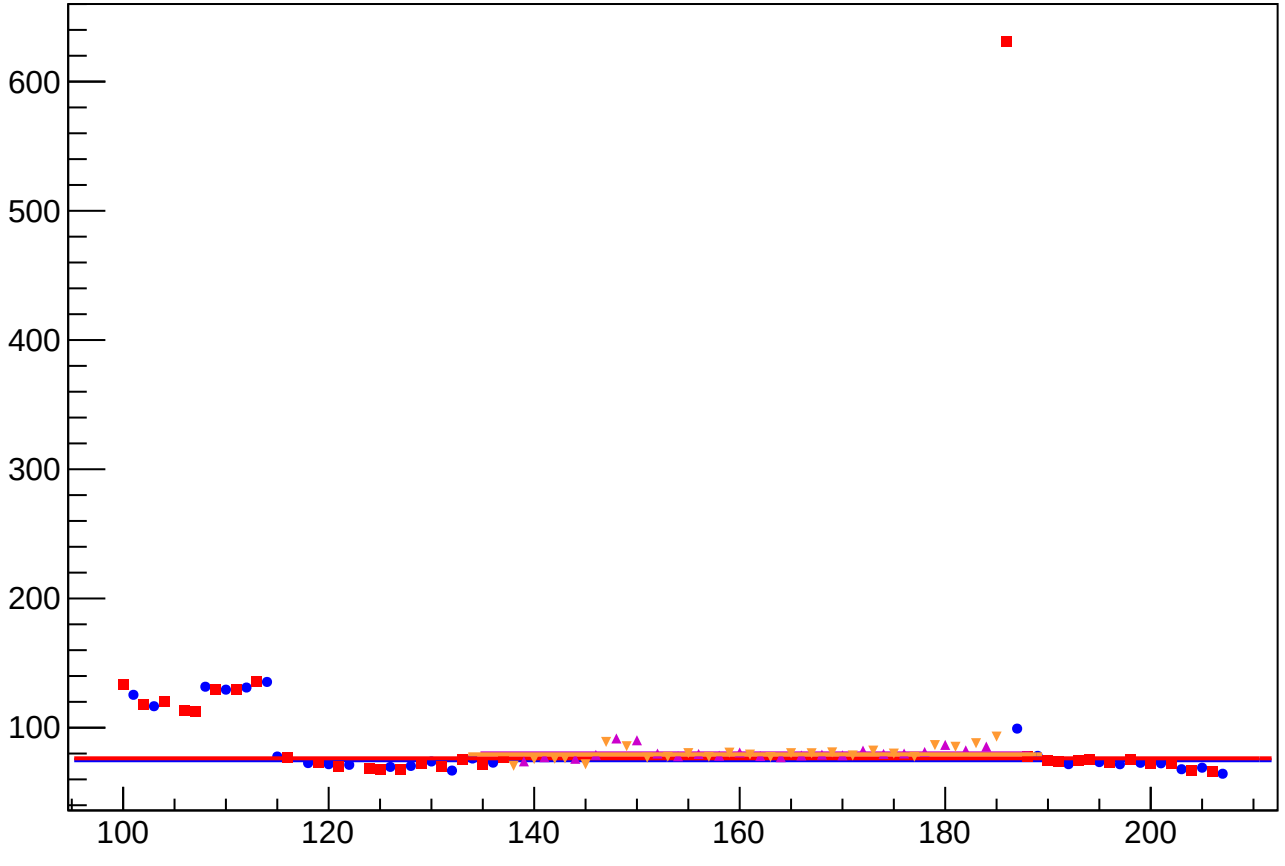
Right: -11.660+/-13.805 χ^2/NDF: 73.4/56

In: -86.322+/-13.578 χ^2/NDF:65.7/48

Out: -84.437+/-13.216 χ^2/NDF:115.5/55

All: -85.354+/-9.471 χ^2/NDF: 181.2/104

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 74.816+/-0.014 χ^2/NDF: 1016587.2/25

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

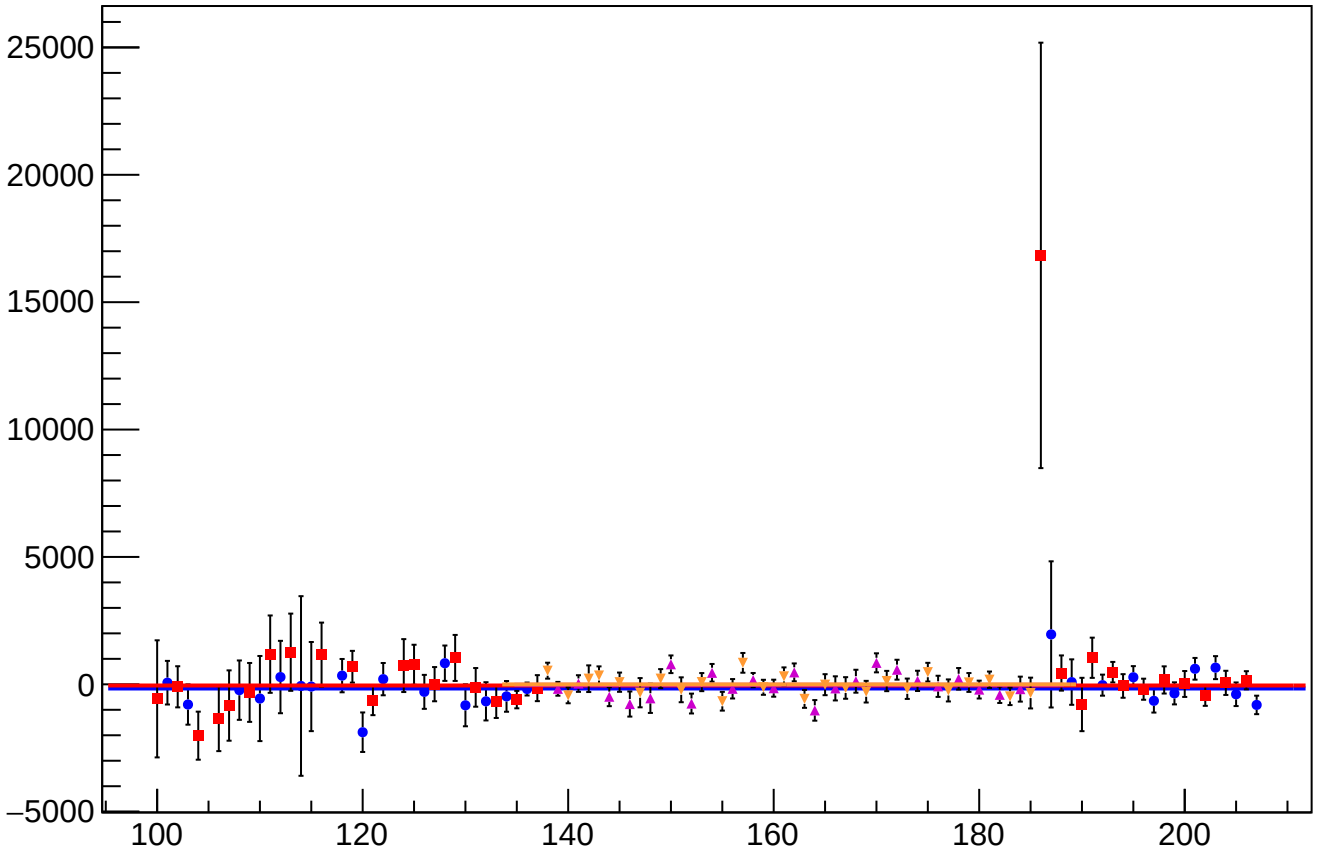
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 75.574+/-0.010 χ^2/NDF: 2746759.1/56

In: 77.617+/-0.010 χ^2/NDF:1185331.5/48

Out: 77.966+/-0.009 χ^2/NDF:1886522.3/55

All: 77.796+/-0.007 χ^2/NDF: 3072534.9/104



Right In: -163.872+/-110.115 χ^2/NDF: 23.2/25

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

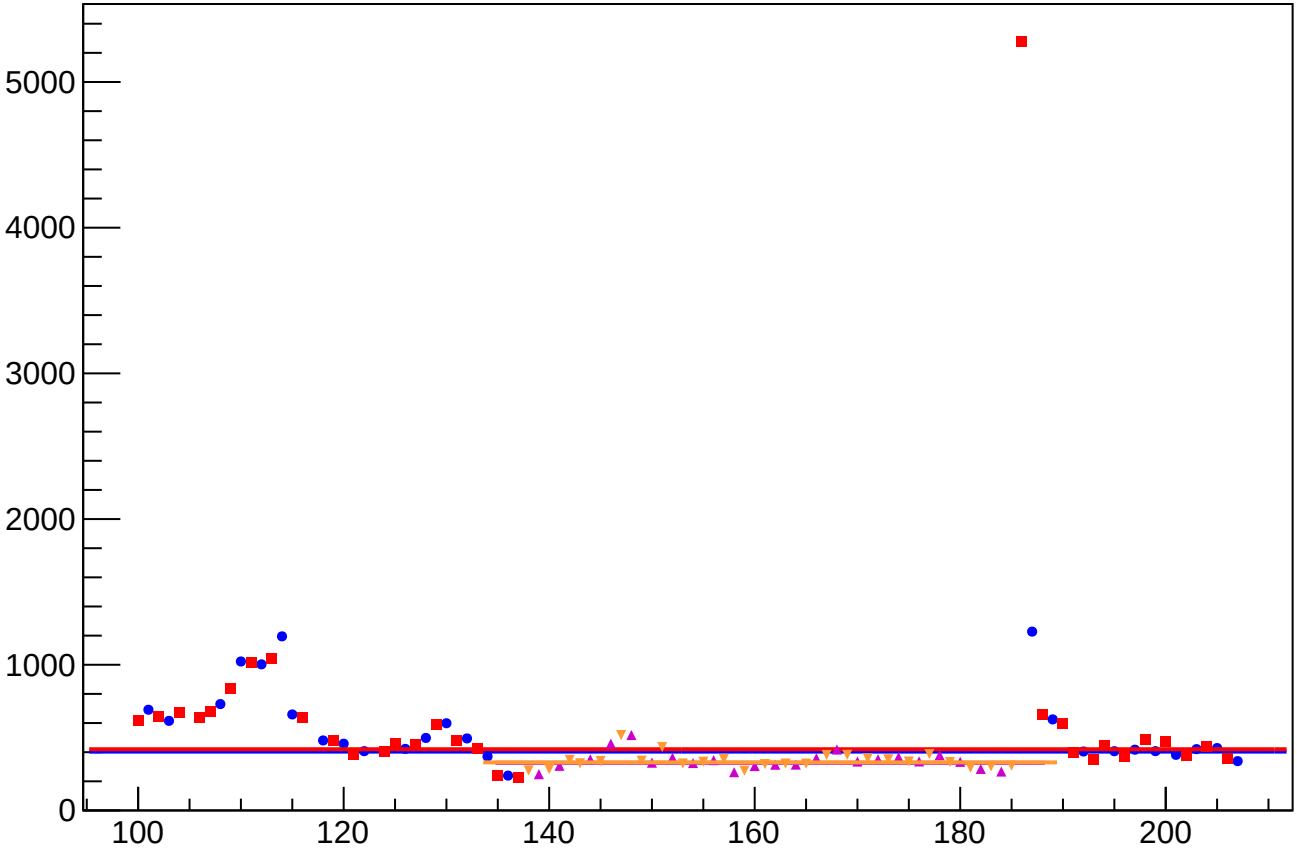
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -105.384+/-78.047 χ^2/NDF: 51.5/56

In: -67.228+/-63.399 χ^2/NDF:59.3/48

Out: -17.182+/-62.567 χ^2/NDF:51.9/55

All: -41.874+/-44.533 χ^2/NDF: 111.5/104



Right In: 404.000+/-0.078 χ^2/NDF: 2728157.6/25

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

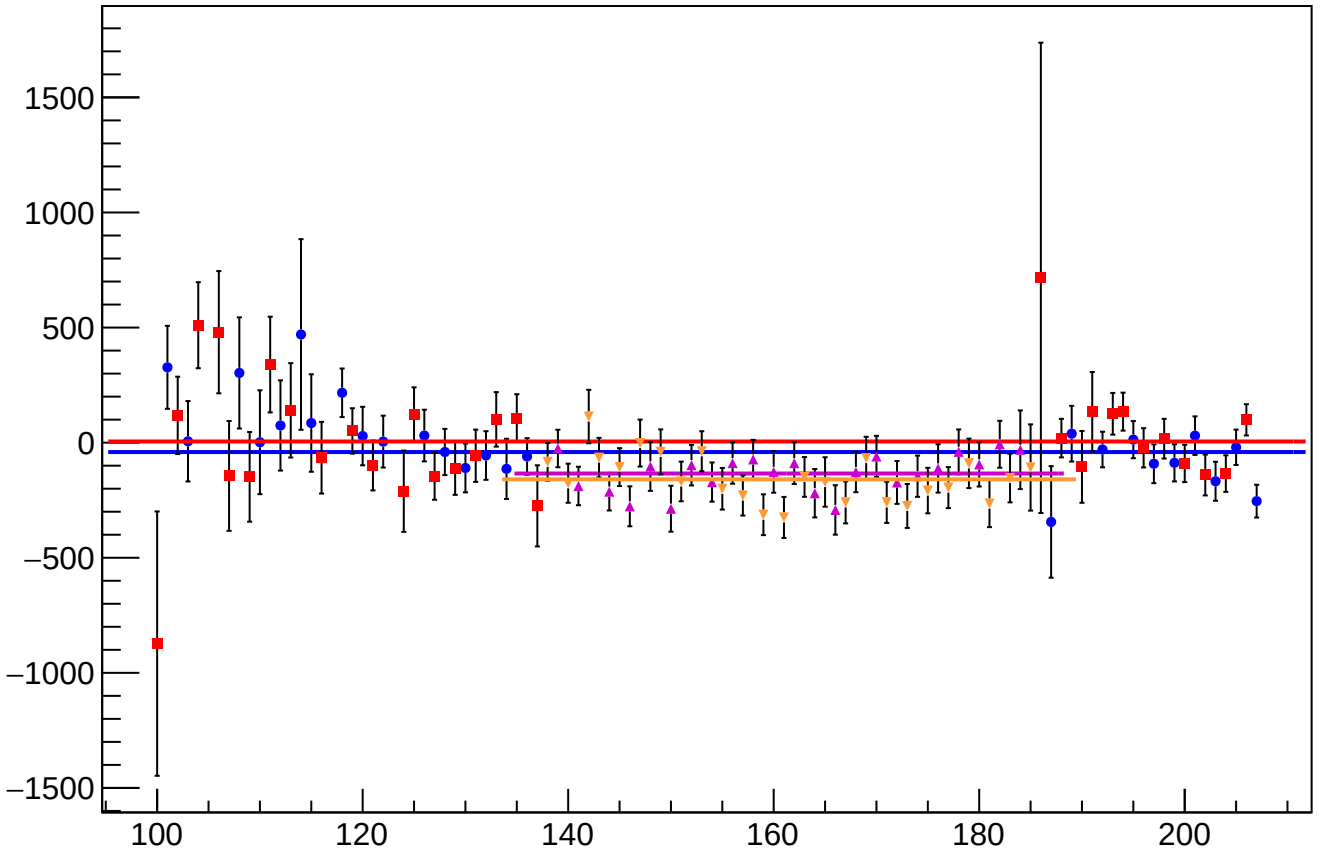
Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

Right: 412.106+/-0.055 χ^2/NDF: 6314130.2/56

In: 352.500+/-0.045 χ^2/NDF:4281878.8/48

Out: 358.853+/-0.044 χ^2/NDF:5130089.4/55

All: 355.718+/-0.031 χ^2/NDF: 9422141.0/104



Right In: -40.742+/-20.815 χ^2/NDF: 31.4/25

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

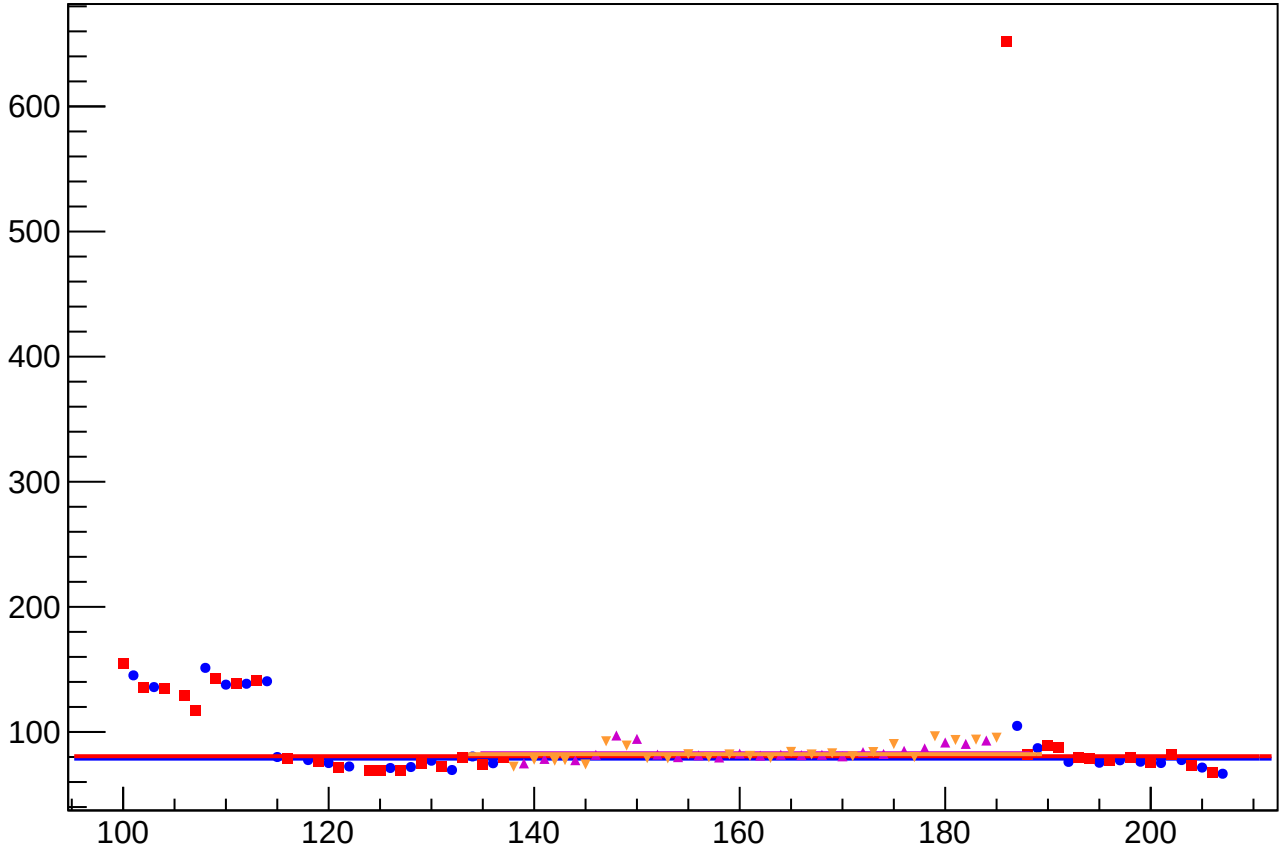
Right: -17.529+/-14.630 χ^2/NDF: 77.6/56

In: -90.555+/-14.208 χ^2/NDF:58.5/48

Out: -84.629+/-13.856 χ^2/NDF:106.8/55

All: -87.518+/-9.920 χ^2/NDF: 165.4/104

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 78.699+/-0.015 χ^2/NDF: 1201695.2/25

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

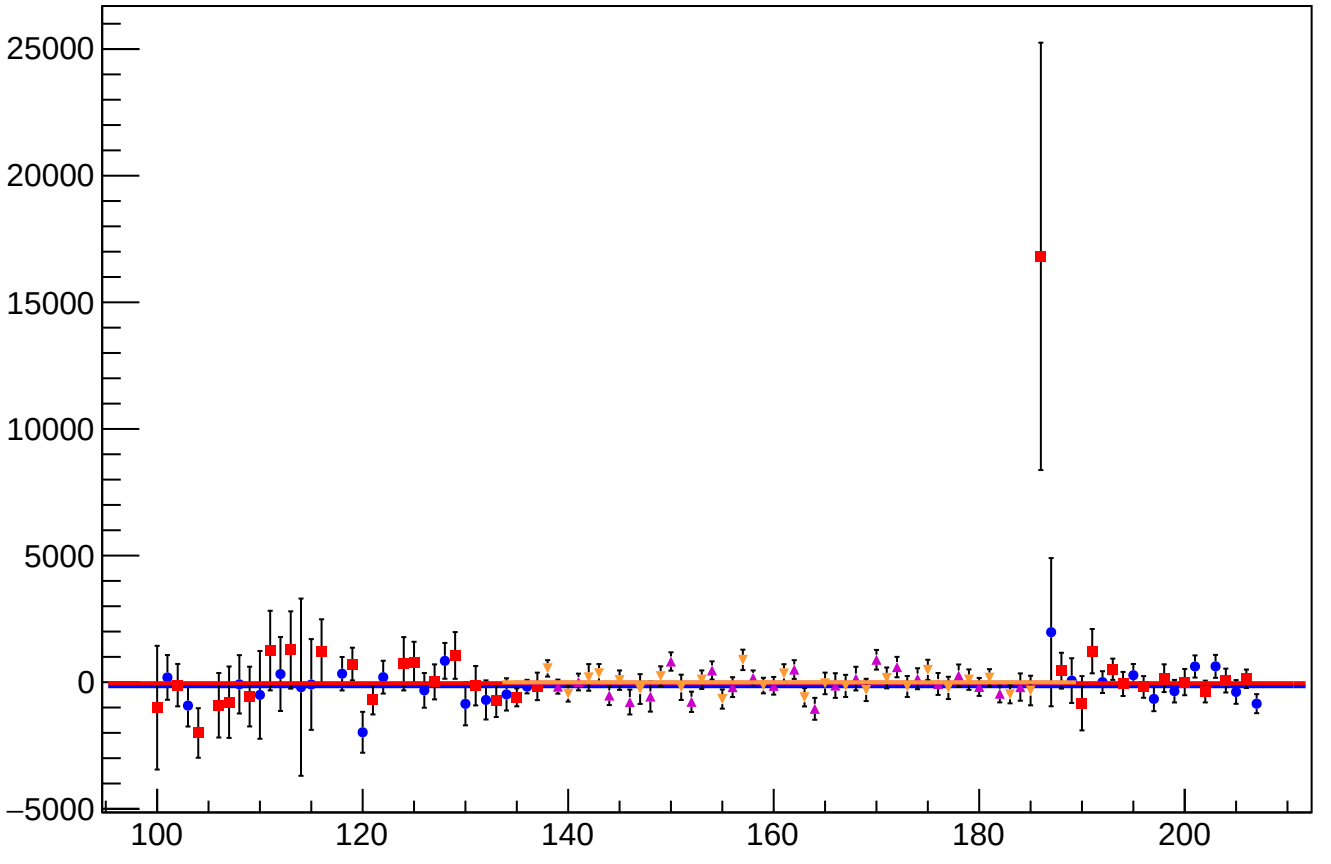
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 79.671+/-0.010 χ^2/NDF: 3101384.8/56

In: 80.992+/-0.010 χ^2/NDF:1392766.0/48

Out: 81.509+/-0.010 χ^2/NDF:2114458.8/55

All: 81.257+/-0.007 χ^2/NDF: 3508578.1/104



Right In: -158.857+/-113.596 χ^2/NDF: 23.3/25

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

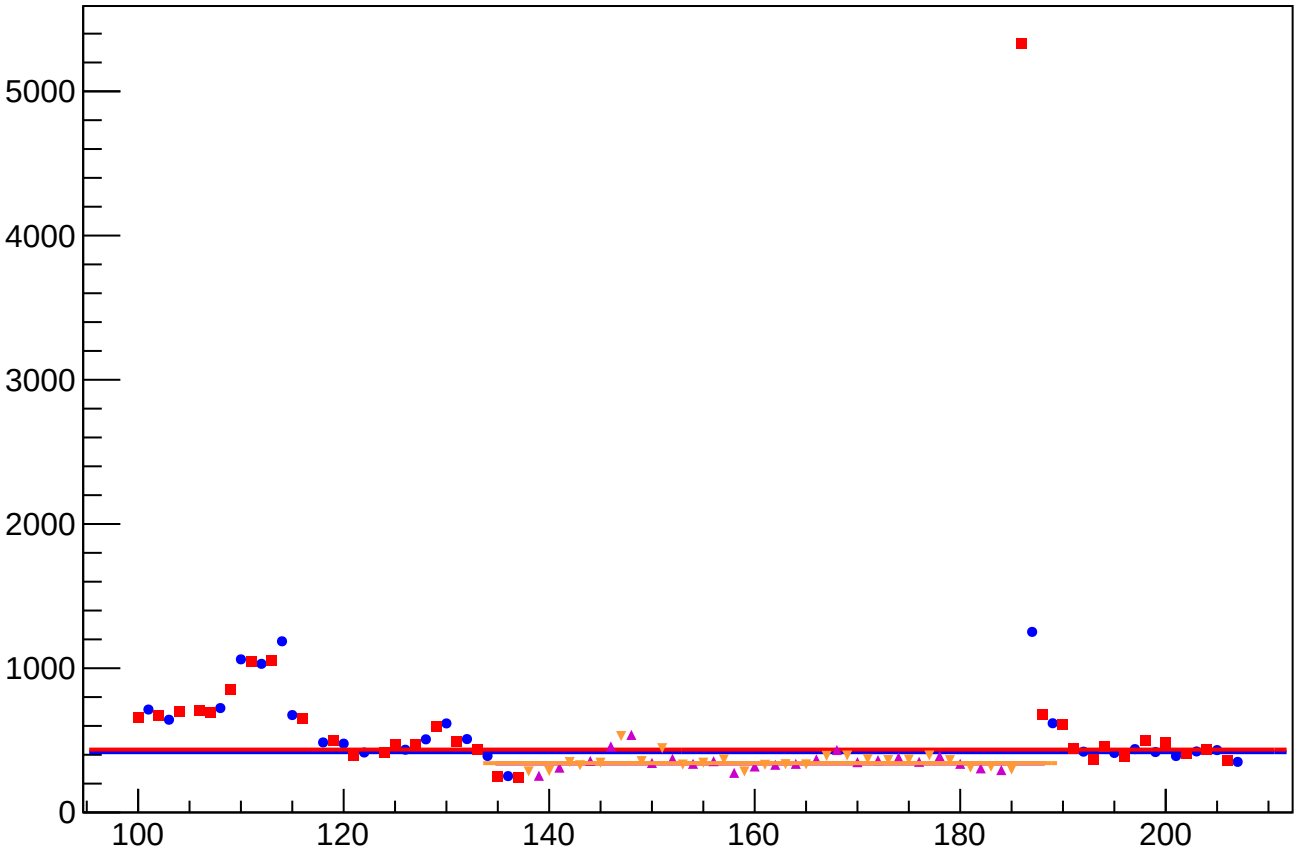
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -98.822+/-80.606 χ^2/NDF: 50.5/56

In: -64.032+/-65.631 χ^2/NDF:59.3/48

Out: -14.265+/-64.772 χ^2/NDF:50.2/55

All: -38.821+/-46.101 χ^2/NDF: 109.8/104



Right In: 417.905+/-0.080 χ^2/NDF: 2598612.7/25

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

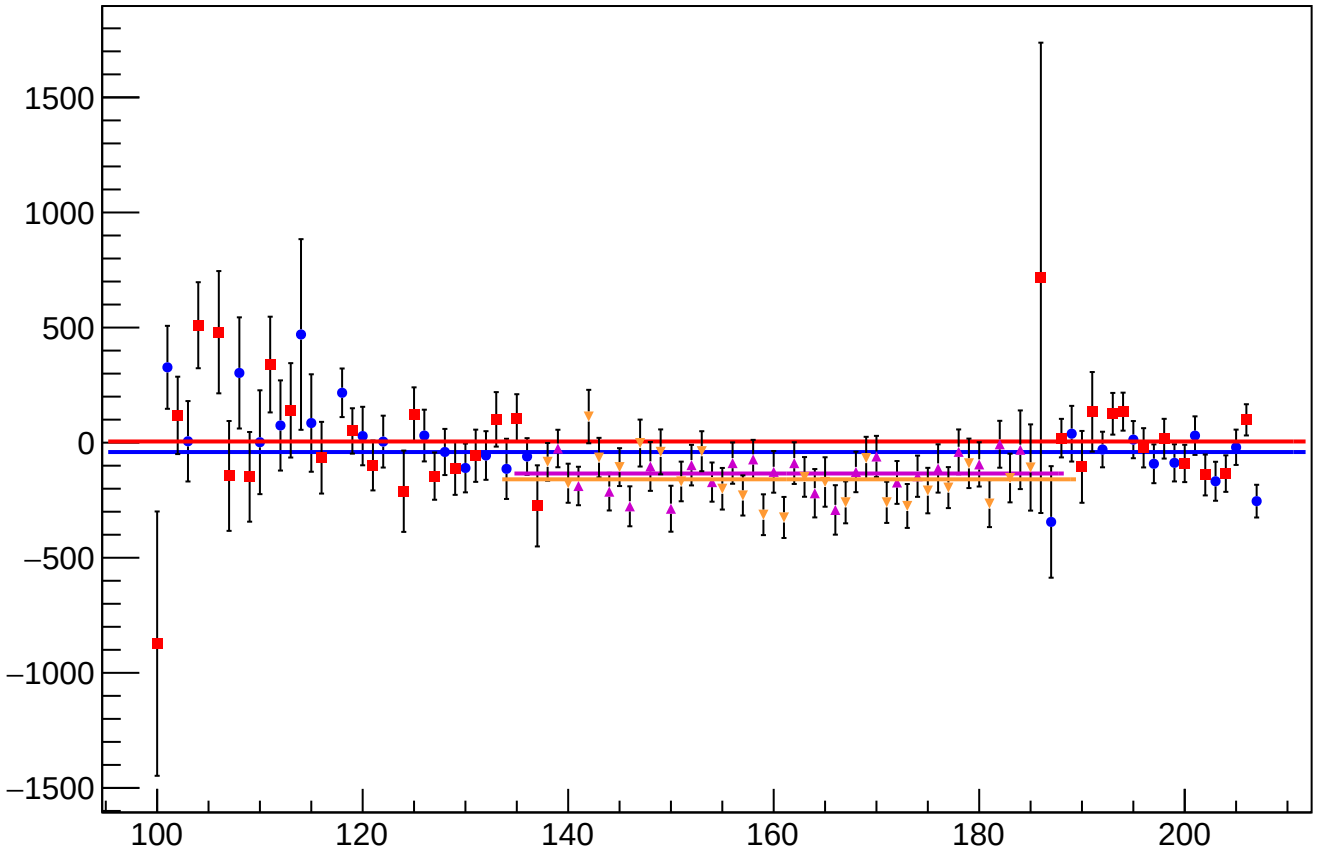
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 426.851+/-0.057 χ^2/NDF: 6111890.7/56

In: 365.625+/-0.046 χ^2/NDF:4081196.4/48

Out: 372.055+/-0.046 χ^2/NDF:5059826.9/55

All: 368.883+/-0.033 χ^2/NDF: 9150749.1/104



Right In: -40.741+/-20.815 χ^2/NDF: 31.4/25

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

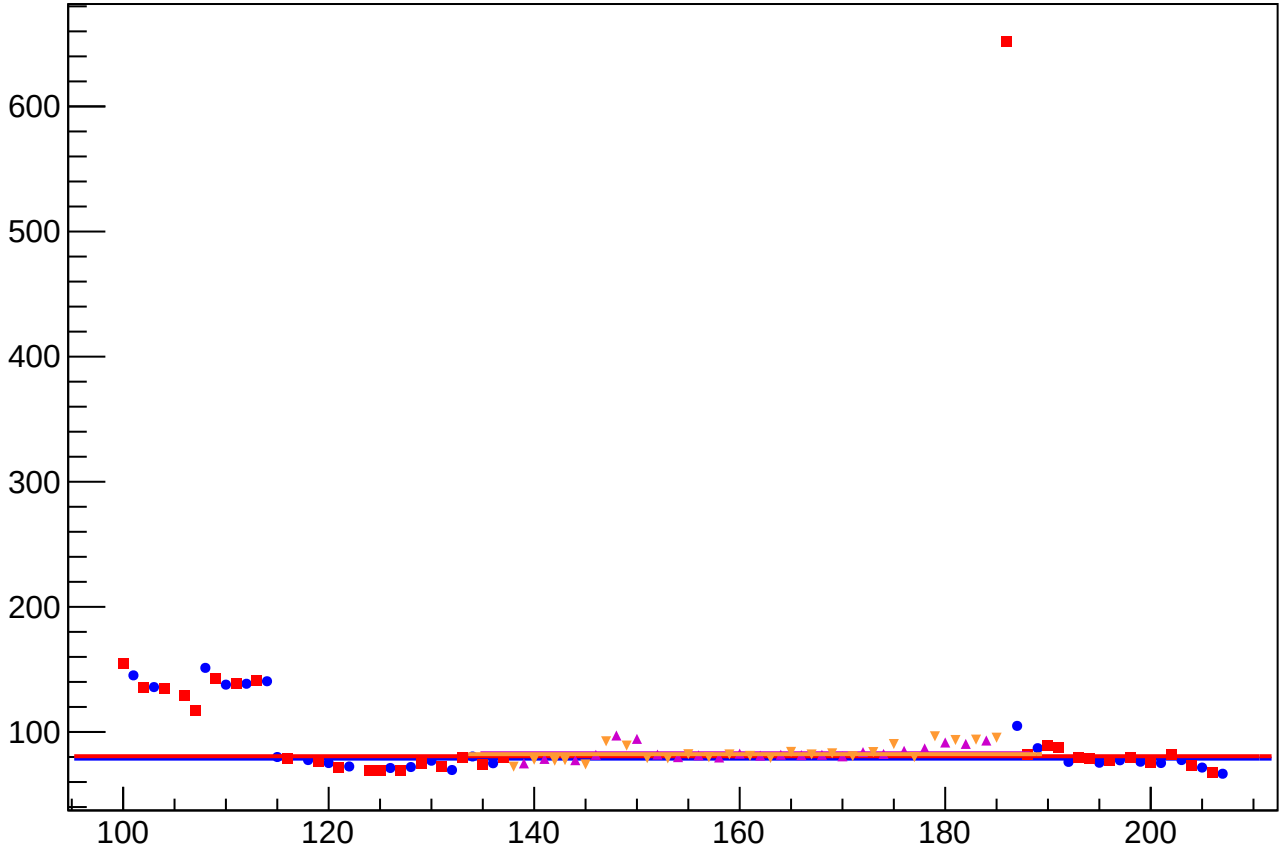
Right: -17.529+/-14.630 χ^2/NDF: 77.6/56

In: -90.555+/-14.208 χ^2/NDF:58.5/48

Out: -84.629+/-13.856 χ^2/NDF:106.8/55

All: -87.518+/-9.920 χ^2/NDF: 165.4/104

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 78.699+/-0.015 χ^2/NDF: 1201696.9/25

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

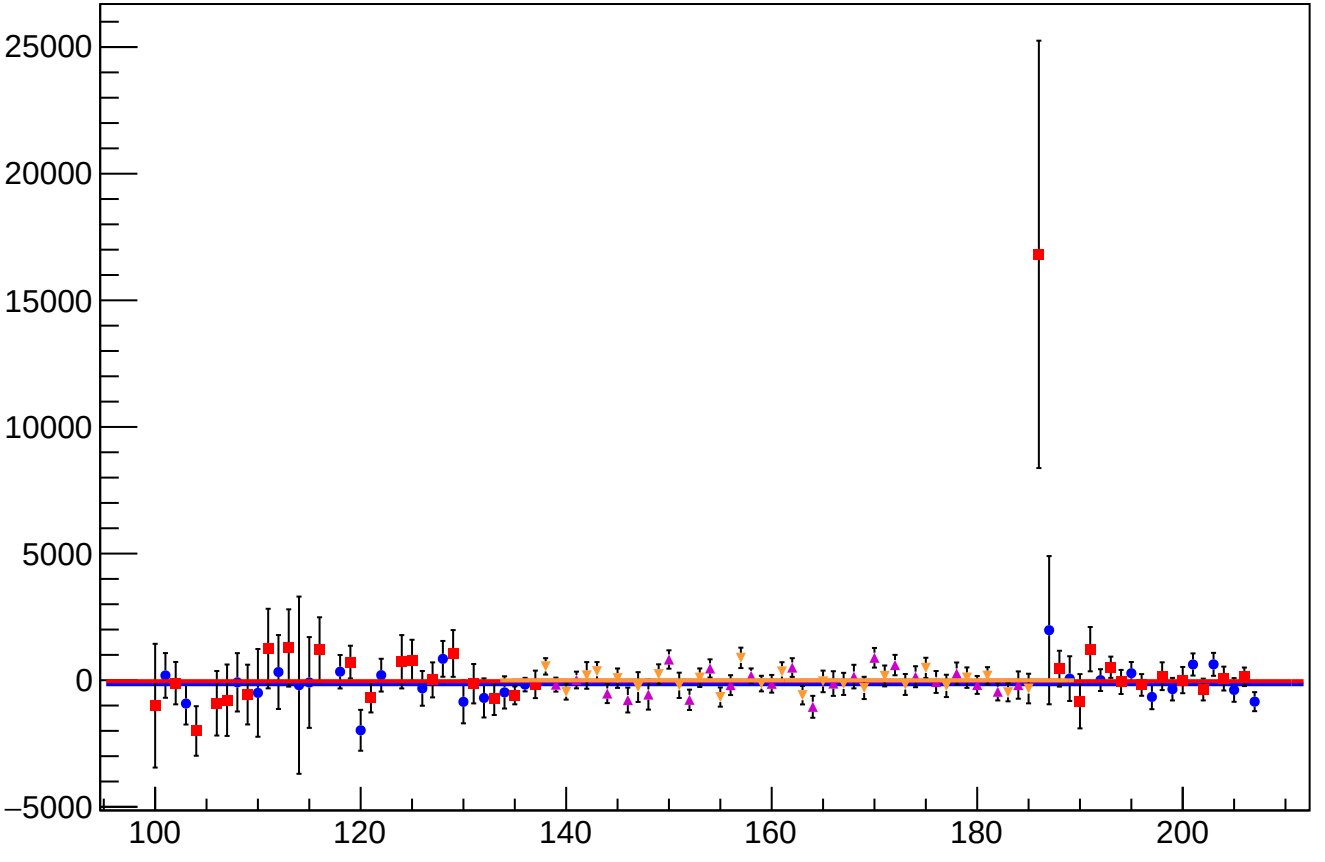
Right: 79.671+/-0.010 χ^2/NDF: 3101386.0/56

In: 80.992+/-0.010 χ^2/NDF:1392768.4/48

Out: 81.509+/-0.010 χ^2/NDF:2114459.7/55

All: 81.257+/-0.007 χ^2/NDF: 3508581.6/104

asym_sam1_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -158.855+/-113.596 χ^2/NDF: 23.3/25

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

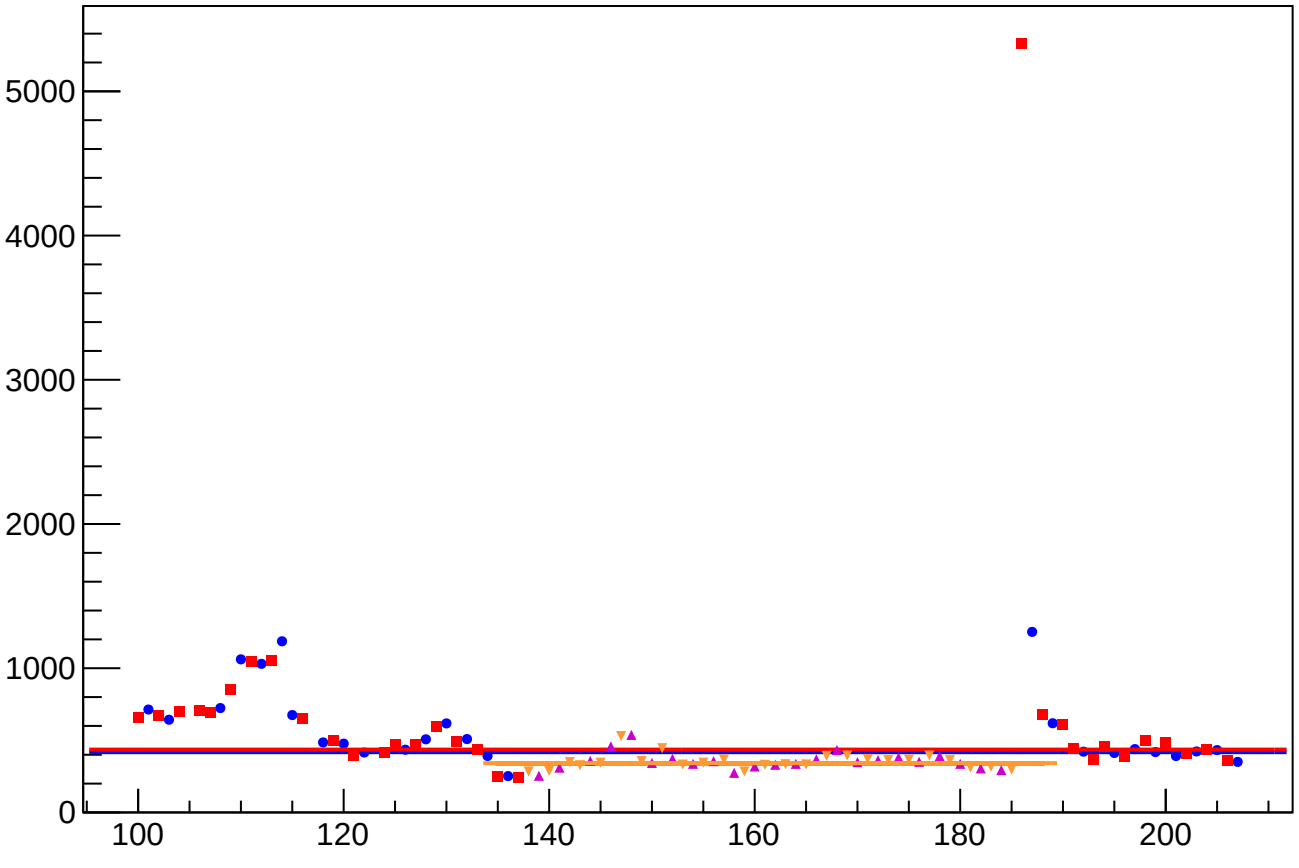
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -98.822+/-80.606 χ^2/NDF: 50.5/56

In: -64.031+/-65.631 χ^2/NDF:59.3/48

Out: -14.265+/-64.772 χ^2/NDF:50.2/55

All: -38.820+/-46.101 χ^2/NDF: 109.8/104



Right In: 417.904+/-0.080 χ^2/NDF: 2598618.4/25

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

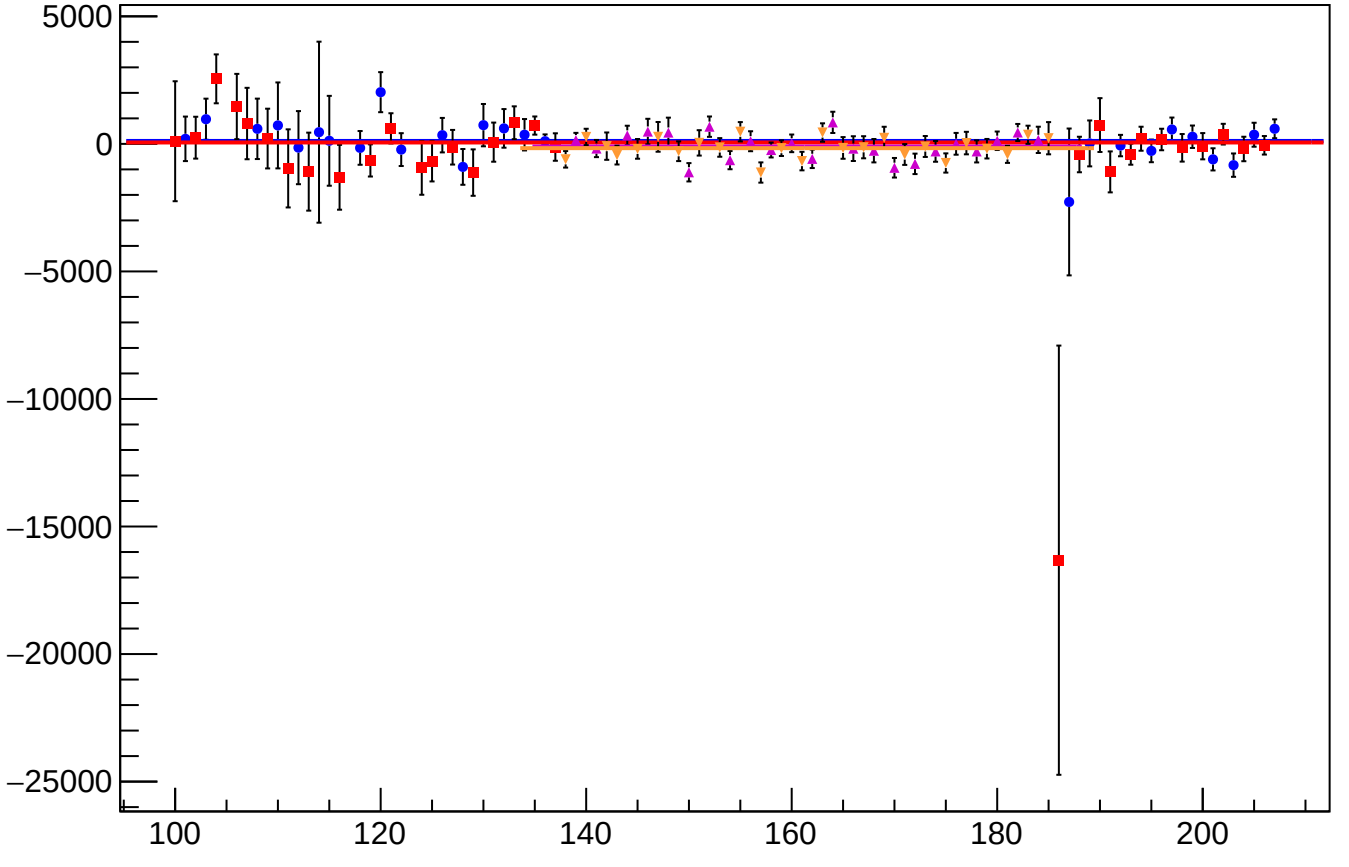
Right: 426.850+/-0.057 χ^2/NDF: 6111903.9/56

In: 365.625+/-0.046 χ^2/NDF:4081194.1/48

Out: 372.055+/-0.046 χ^2/NDF:5059820.4/55

All: 368.882+/-0.033 χ^2/NDF: 9150740.2/104

asym_sam1_mean vs Slug, Sign Corrected



Right In: 114.719+/-112.429 χ^2/NDF: 22.9/25

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

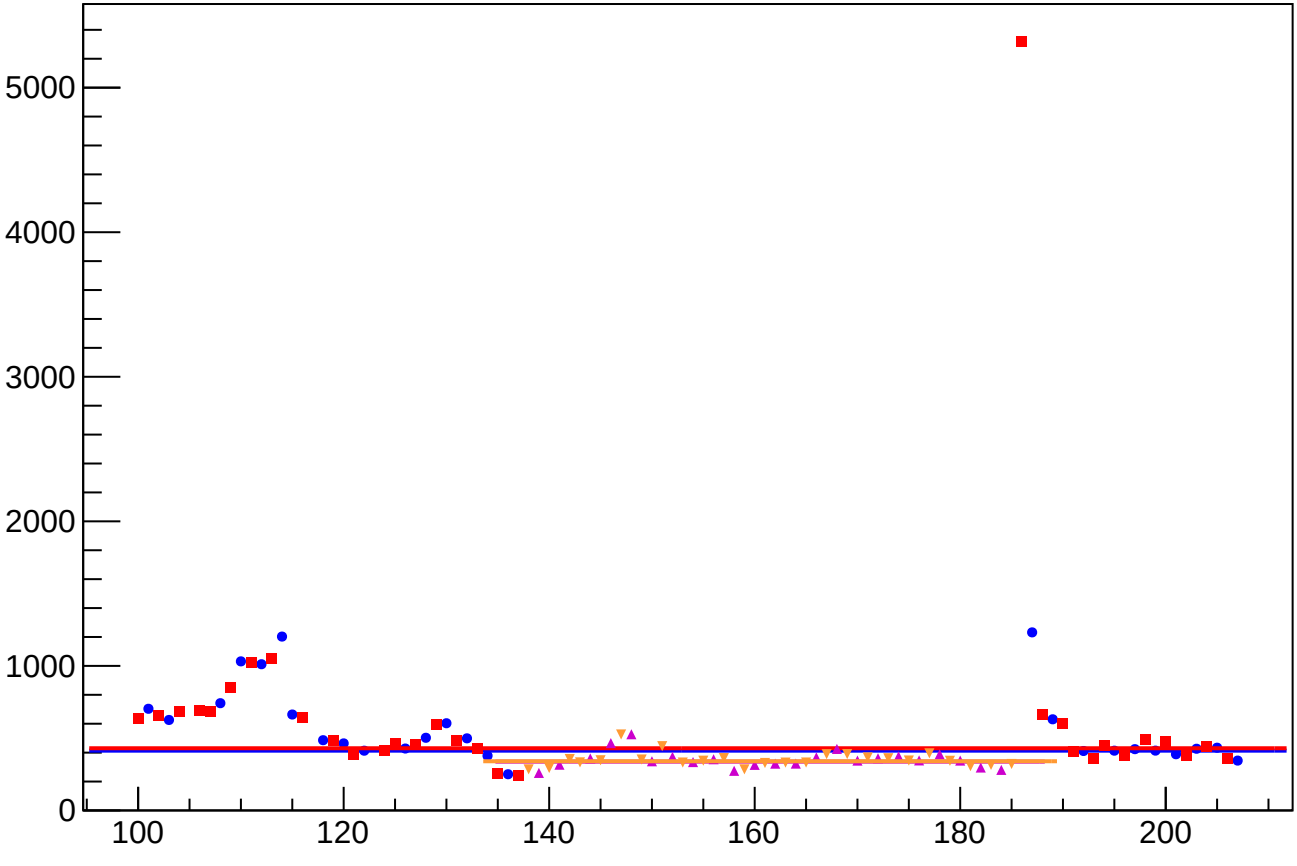
Right: 85.075+/-79.648 χ^2/NDF: 53.6/56

In: -30.498+/-65.180 χ^2/NDF:62.9/48

Out: -95.198+/-64.265 χ^2/NDF:58.7/55

All: -63.306+/-45.762 χ^2/NDF: 122.1/104

asym_sam1_rms vs Slug, Sign Corrected



Right In: 413.660+/-0.079 χ^2/NDF: 2584257.0/25

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

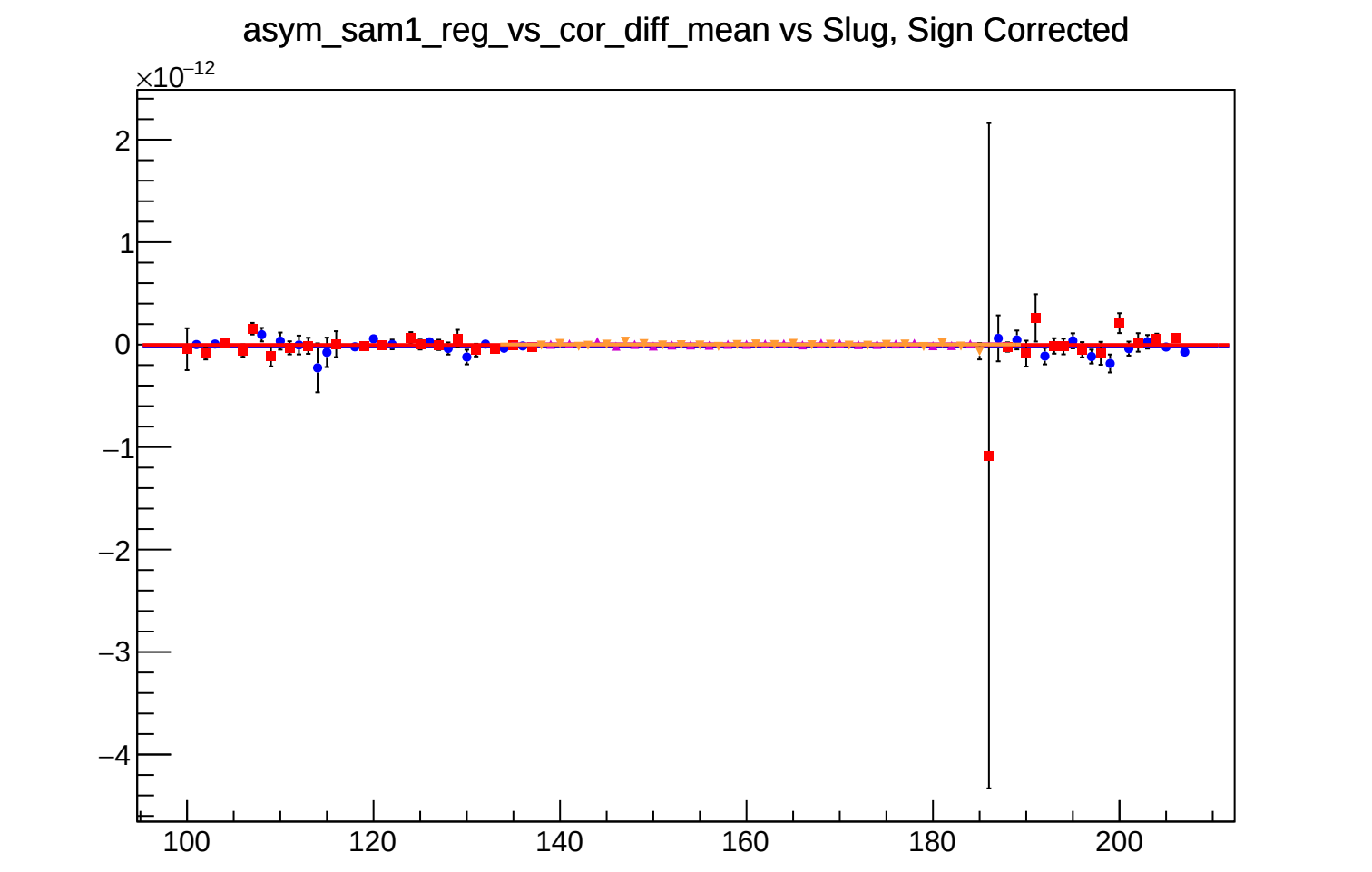
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

Right: 421.948+/-0.056 χ^2/NDF: 6046568.9/56

In: 363.269+/-0.046 χ^2/NDF:4010086.6/48

Out: 369.547+/-0.045 χ^2/NDF:4902423.8/55

All: 366.453+/-0.032 χ^2/NDF: 8921917.9/104



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/25

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.0/30

Left In: 0.000+/-0.000 χ^2/NDF:11.9/22

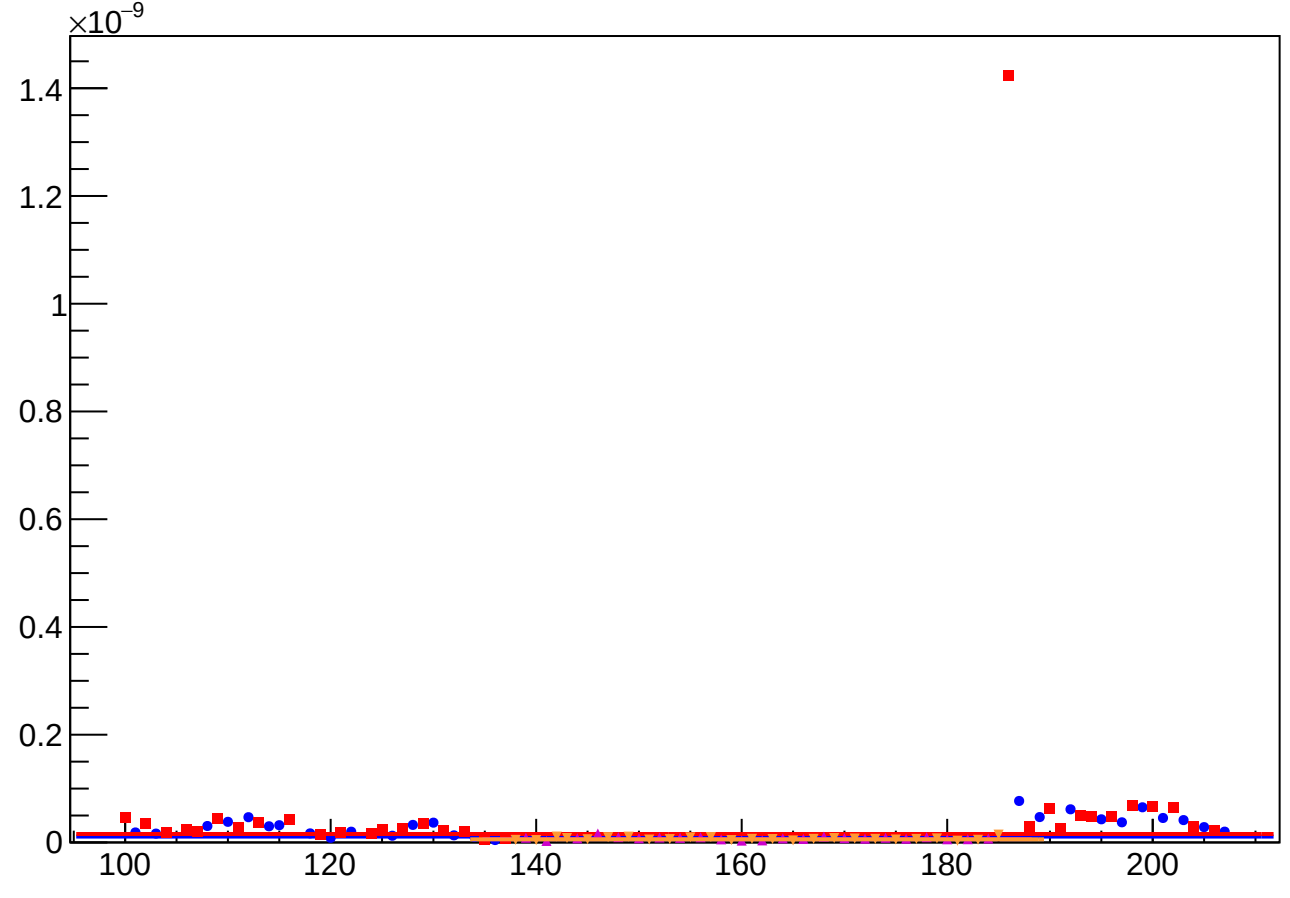
Left: 0.000+/-0.000 χ^2/NDF: 28.7/47

Right: -0.000+/-0.000 χ^2/NDF: 60.4/56

In: 0.000+/-0.000 χ^2/NDF:46.5/48

Out: 0.000+/-0.000 χ^2/NDF:47.6/55

All: 0.000+/-0.000 χ^2/NDF: 94.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 7227251.8/25

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

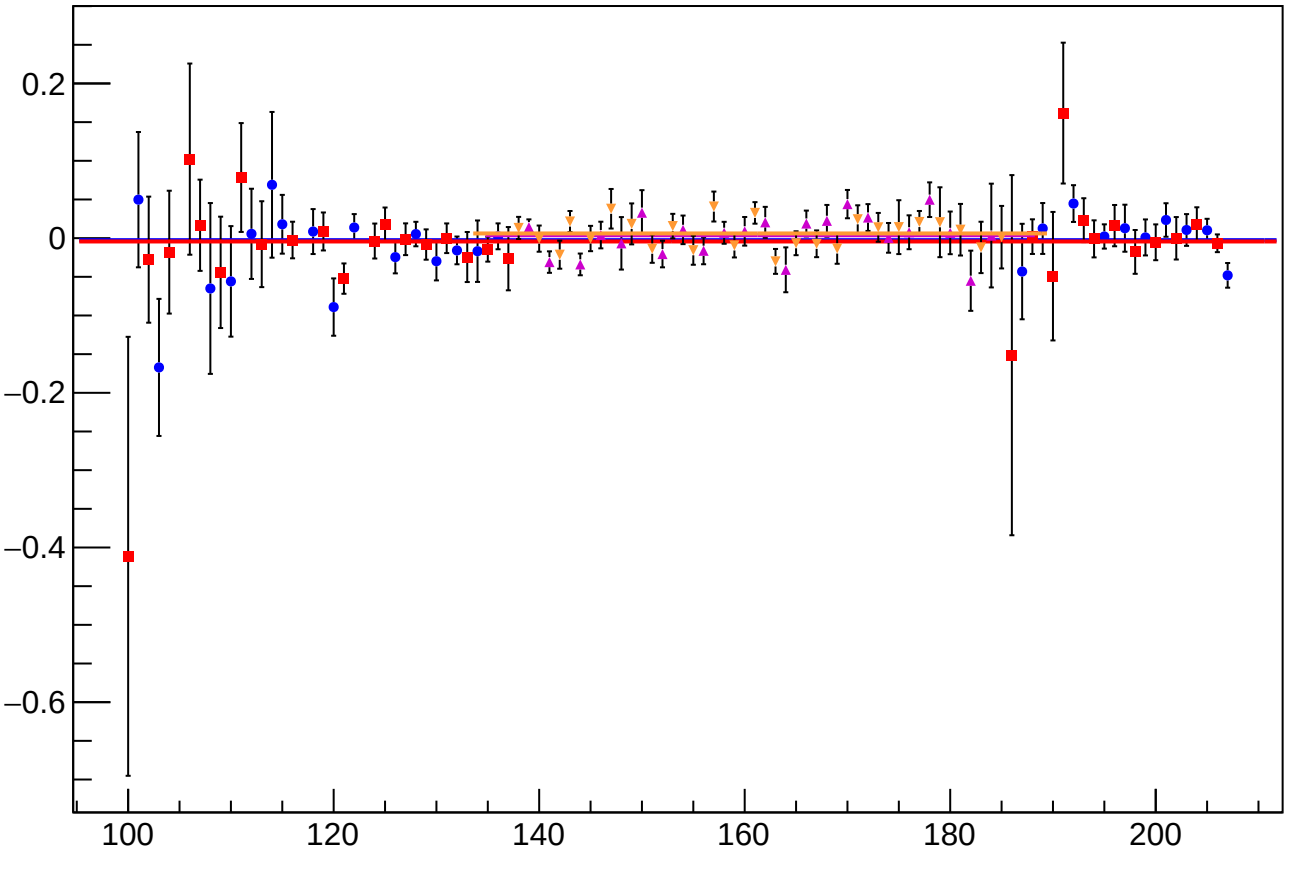
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14796397.2/56

In: 0.000+/-0.000 χ^2/NDF:10268097.3/48

Out: 0.000+/-0.000 χ^2/NDF:11411097.0/55

All: 0.000+/-0.000 χ^2/NDF: 21698454.2/104



Right In: -0.003+/-0.005 χ^2/NDF: 31.1/25

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

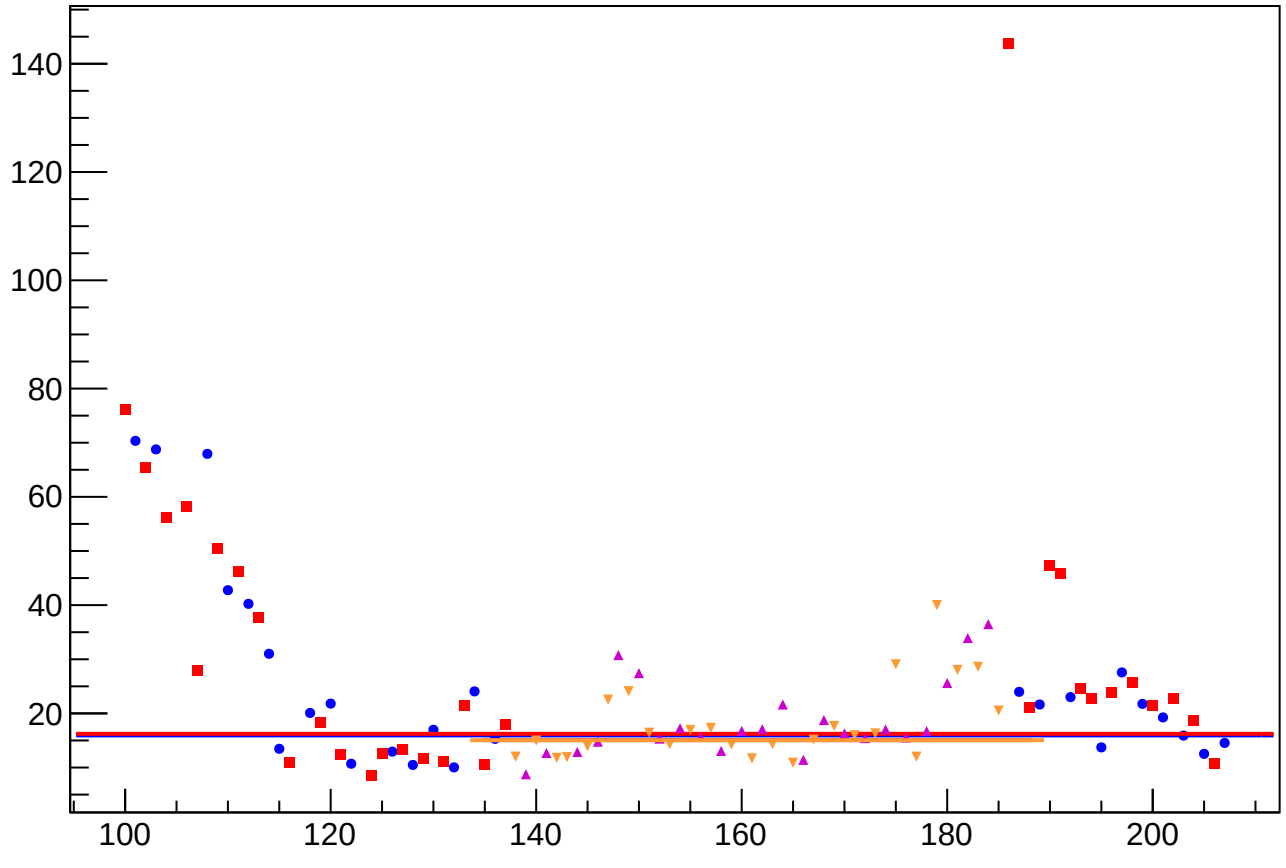
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 51.3/56

In: 0.001+/-0.003 χ^2/NDF:69.3/48

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.002+/-0.002 χ^2/NDF: 119.2/104



Right In: 15.940+/-0.003 χ^2/NDF: 4371940.7/25

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

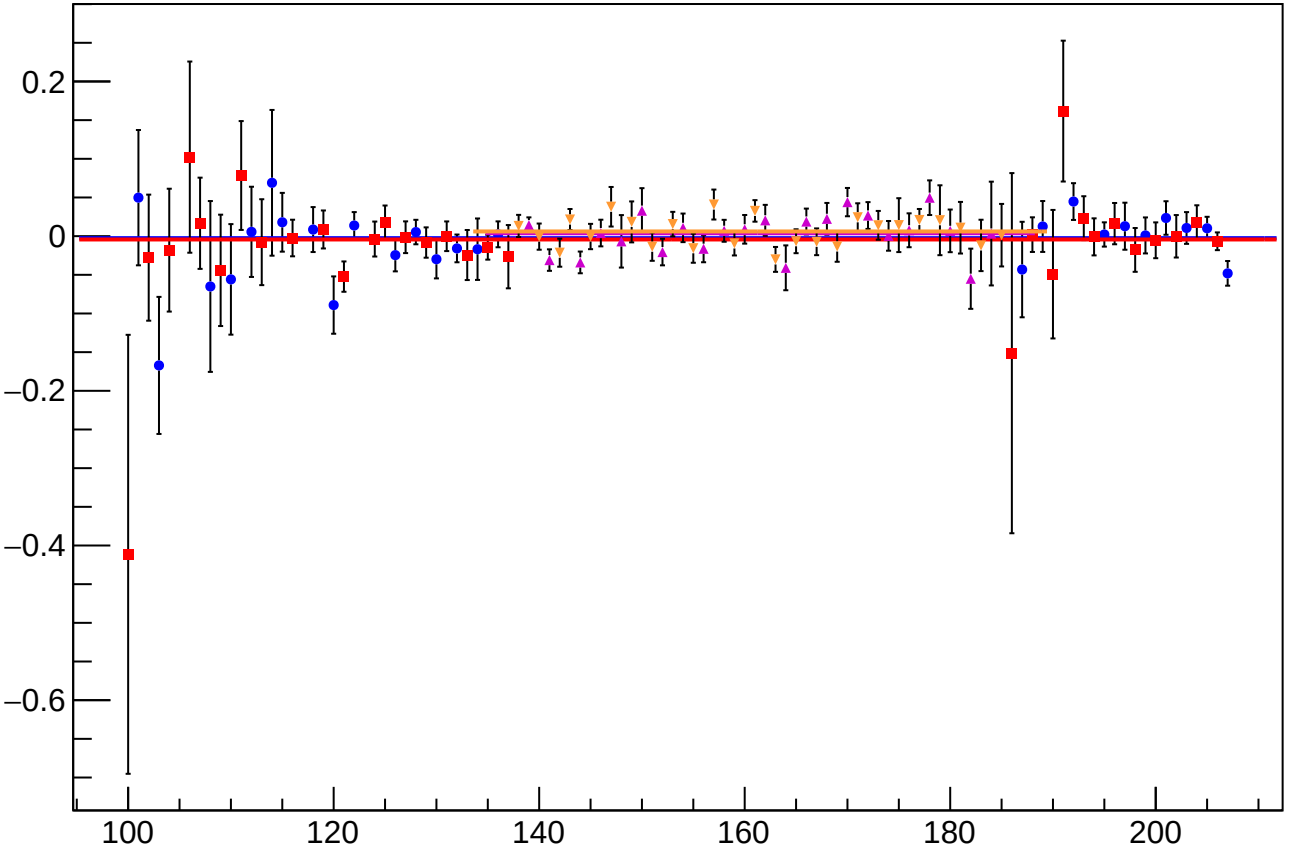
Right: 16.084+/-0.002 χ^2/NDF: 10791977.8/56

In: 15.415+/-0.002 χ^2/NDF:7479761.0/48

Out: 15.496+/-0.002 χ^2/NDF:9252742.2/55

All: 15.456+/-0.001 χ^2/NDF: 16733260.2/104

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.005 χ^2/NDF: 31.1/25

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

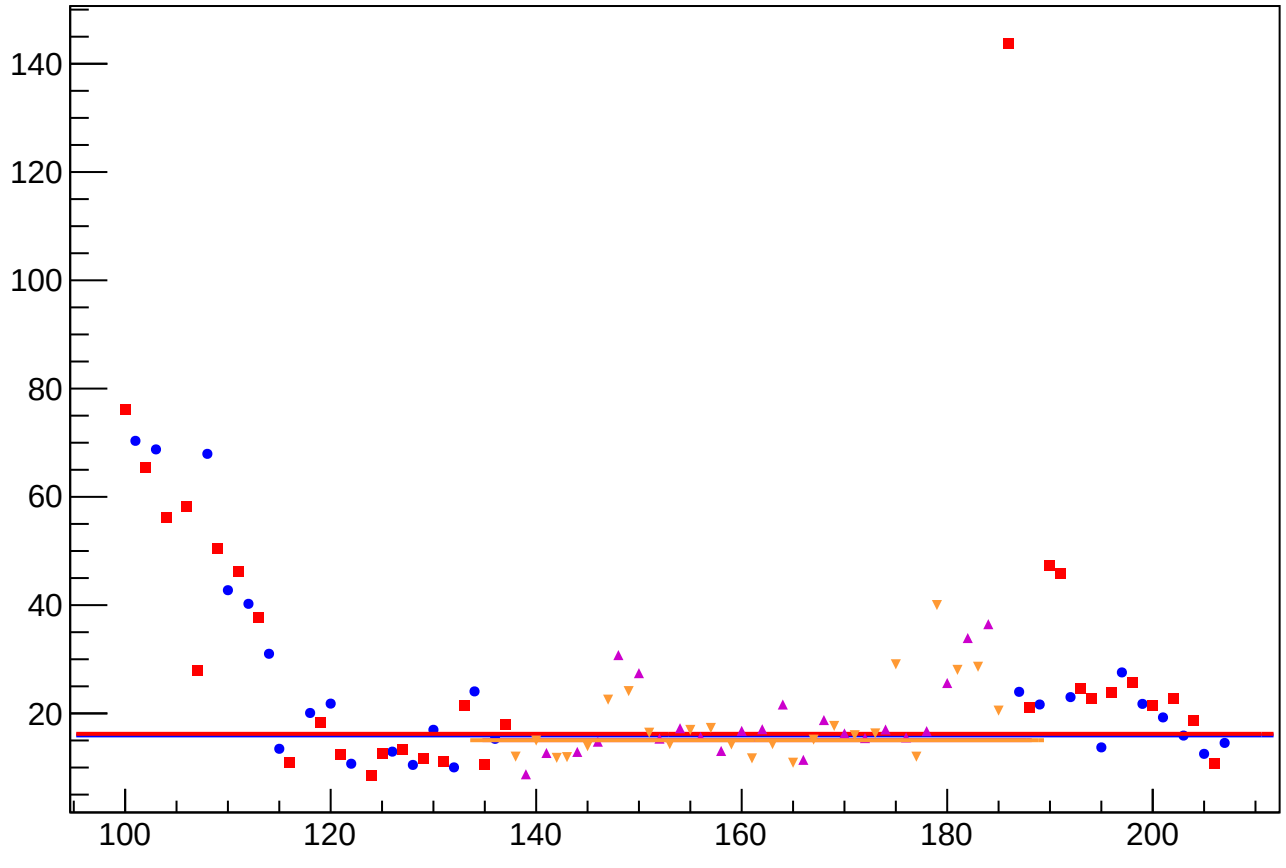
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 51.3/56

In: 0.001+/-0.003 χ^2/NDF:69.3/48

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.002+/-0.002 χ^2/NDF: 119.2/104



Right In: 15.940+/-0.003 χ^2/NDF: 4371940.7/25

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

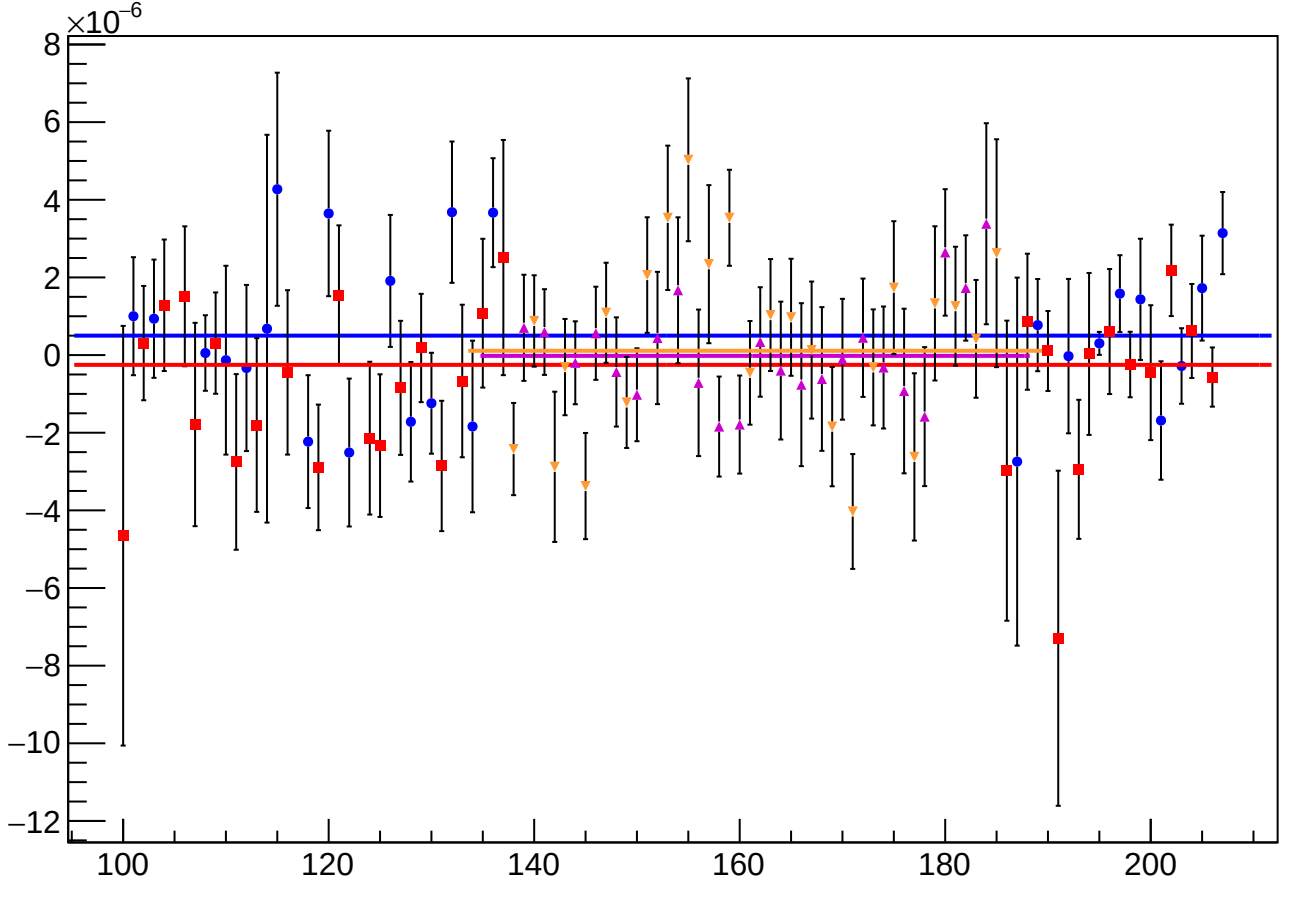
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.084+/-0.002 χ^2/NDF: 10791977.8/56

In: 15.415+/-0.002 χ^2/NDF:7479761.0/48

Out: 15.496+/-0.002 χ^2/NDF:9252742.2/55

All: 15.456+/-0.001 χ^2/NDF: 16733260.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 35.6/25

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

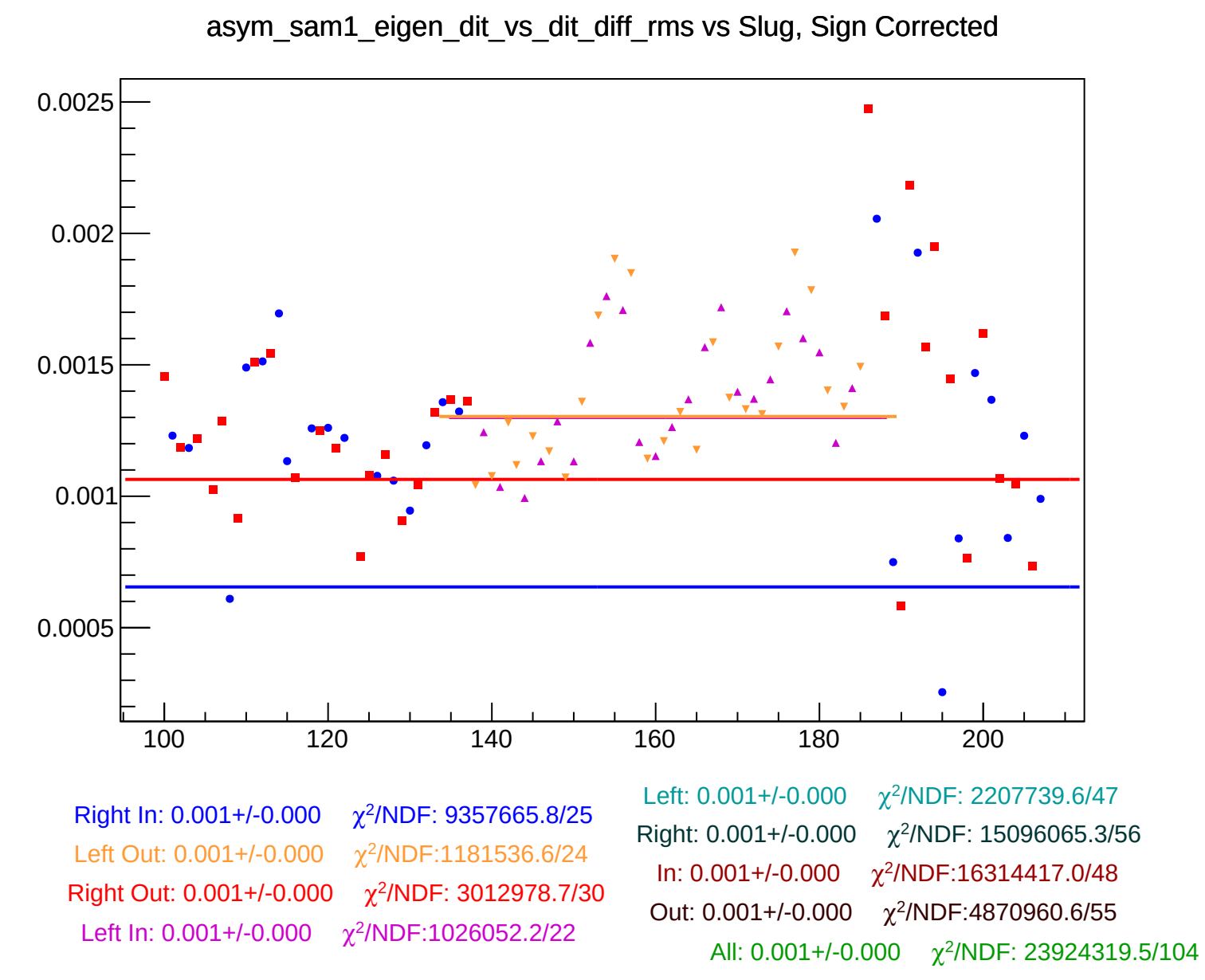
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

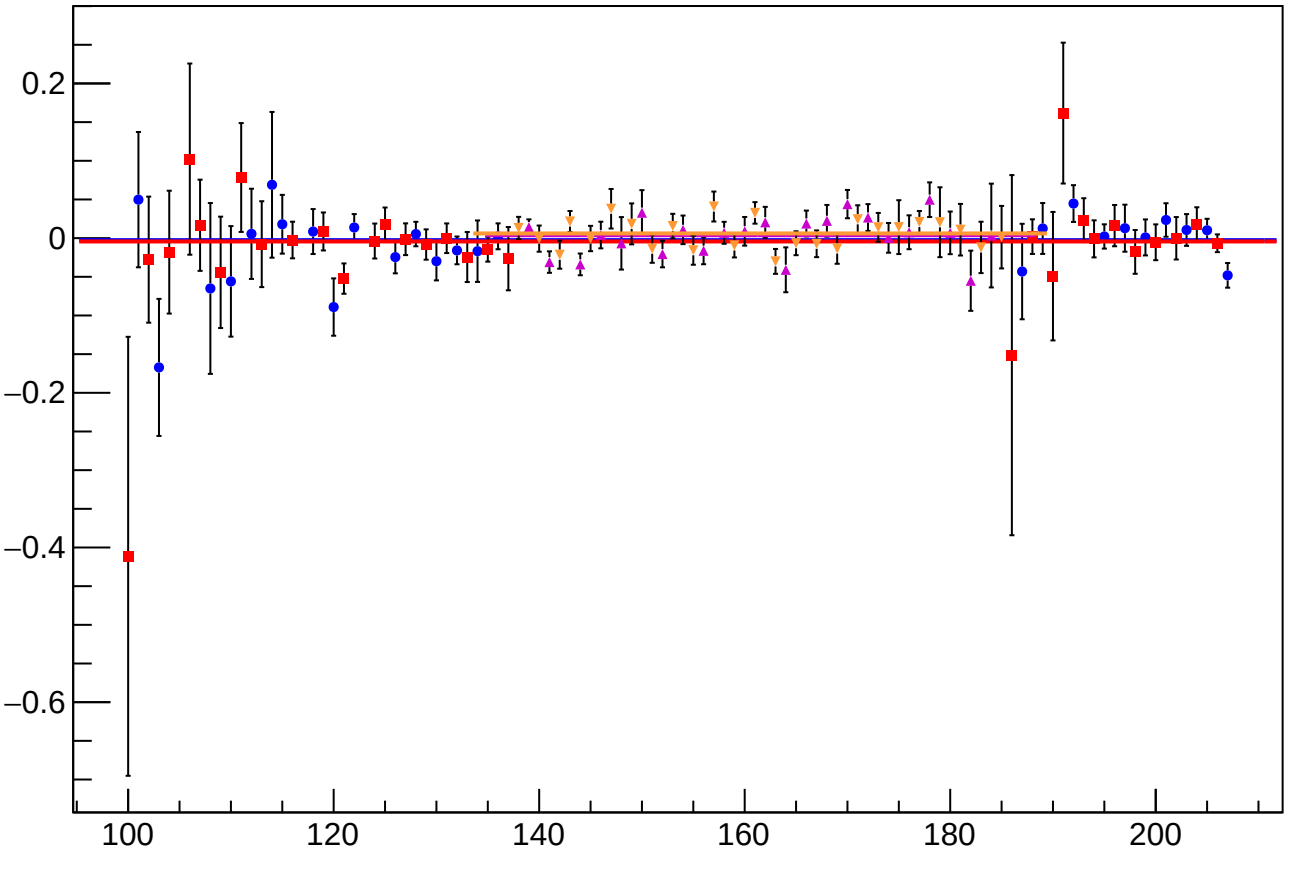
Right: 0.000+/-0.000 χ^2/NDF: 66.1/56

In: 0.000+/-0.000 χ^2/NDF:51.6/48

Out: -0.000+/-0.000 χ^2/NDF:76.7/55

All: 0.000+/-0.000 χ^2/NDF: 130.7/104


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: 9357665.8/25
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: 15096065.3/56
In: 0.001+/-0.000 χ²/NDF:16314417.0/48
Out: 0.001+/-0.000 χ²/NDF:4870960.6/55
All: 0.001+/-0.000 χ²/NDF: 23924319.5/104



Right In: -0.003+/-0.005 χ^2/NDF: 31.1/25

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

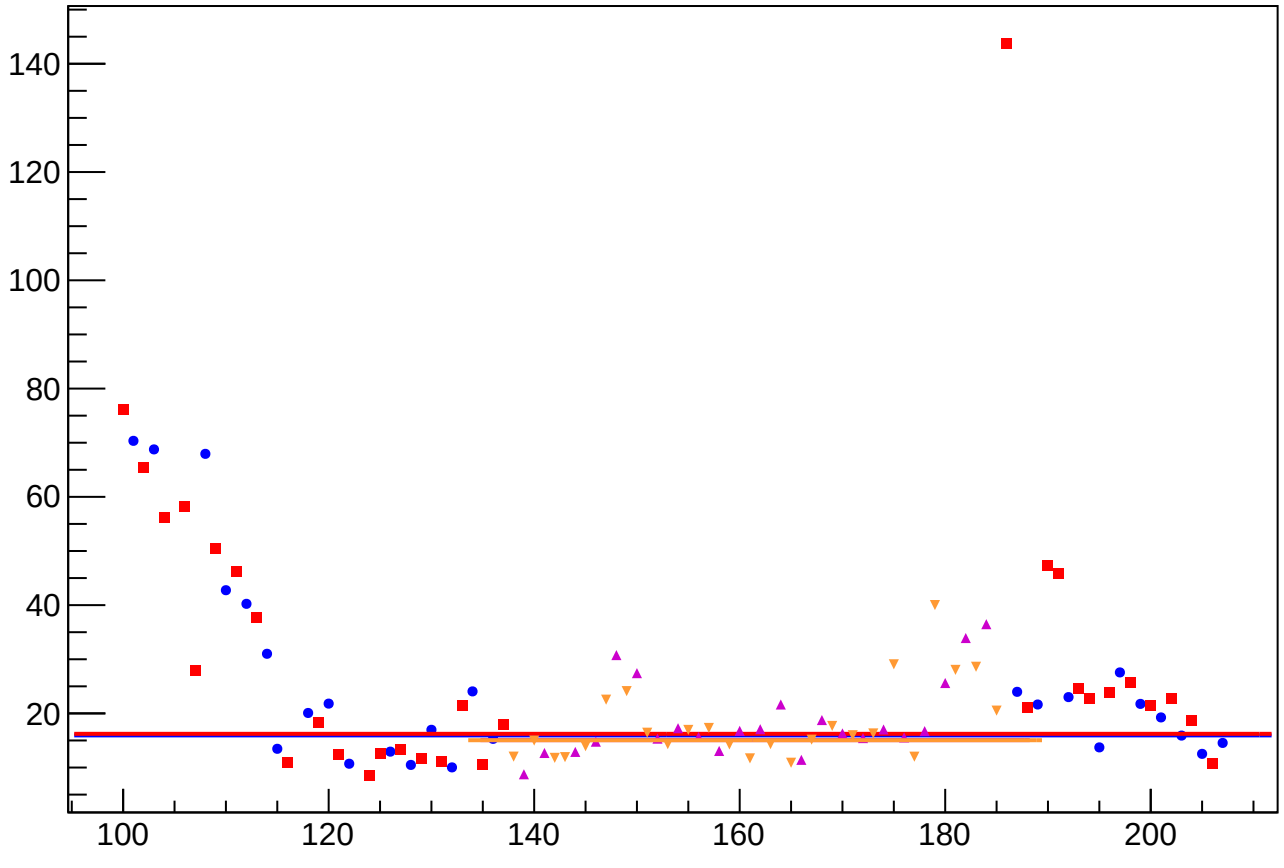
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 51.3/56

In: 0.001+/-0.003 χ^2/NDF:69.3/48

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.002+/-0.002 χ^2/NDF: 119.2/104



Right In: 15.940+/-0.003 χ^2/NDF: 4371955.2/25

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

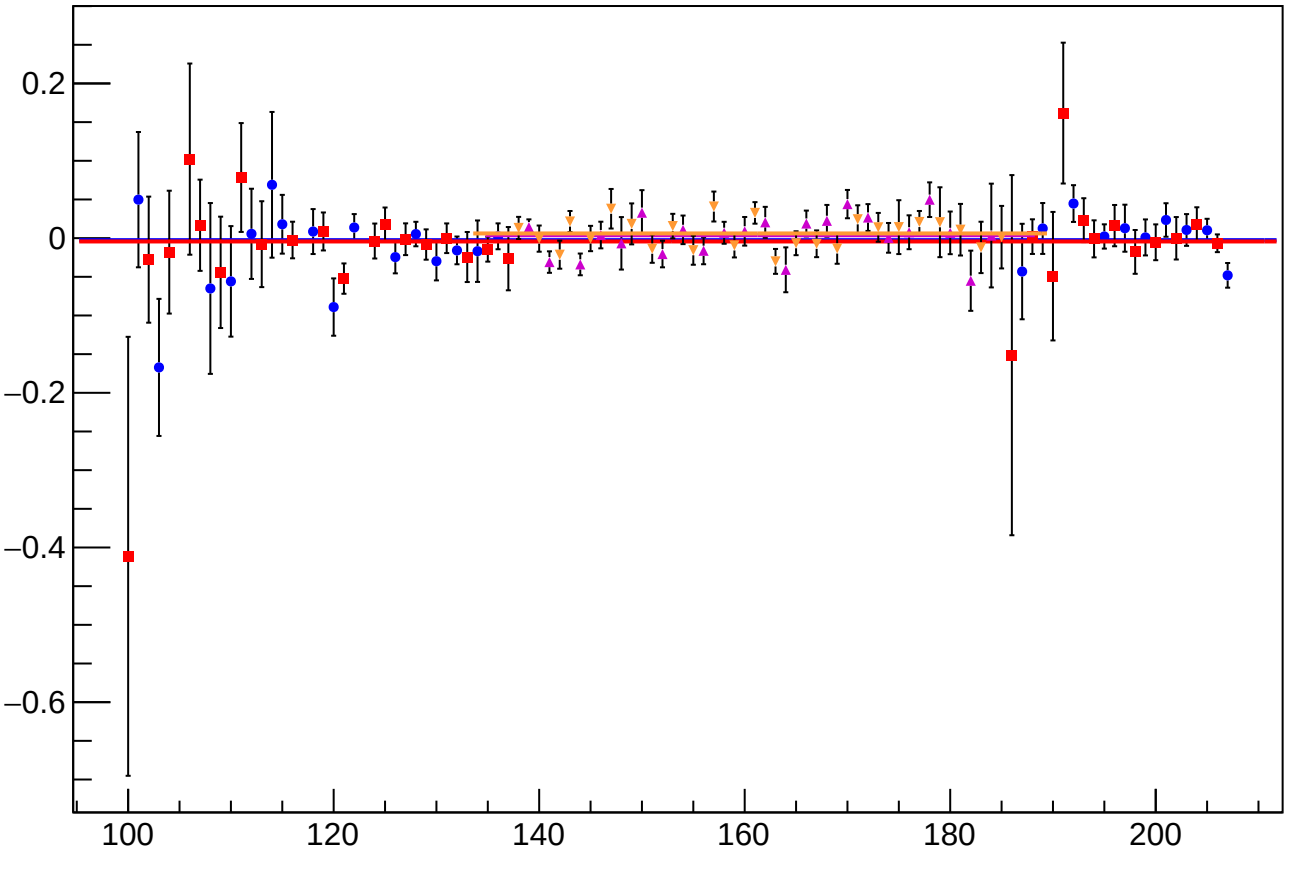
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.084+/-0.002 χ^2/NDF: 10791961.4/56

In: 15.415+/-0.002 χ^2/NDF:7479806.1/48

Out: 15.495+/-0.002 χ^2/NDF:9252922.1/55

All: 15.456+/-0.001 χ^2/NDF: 16733485.1/104



Right In: -0.003+/-0.005 χ^2/NDF: 31.1/25

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

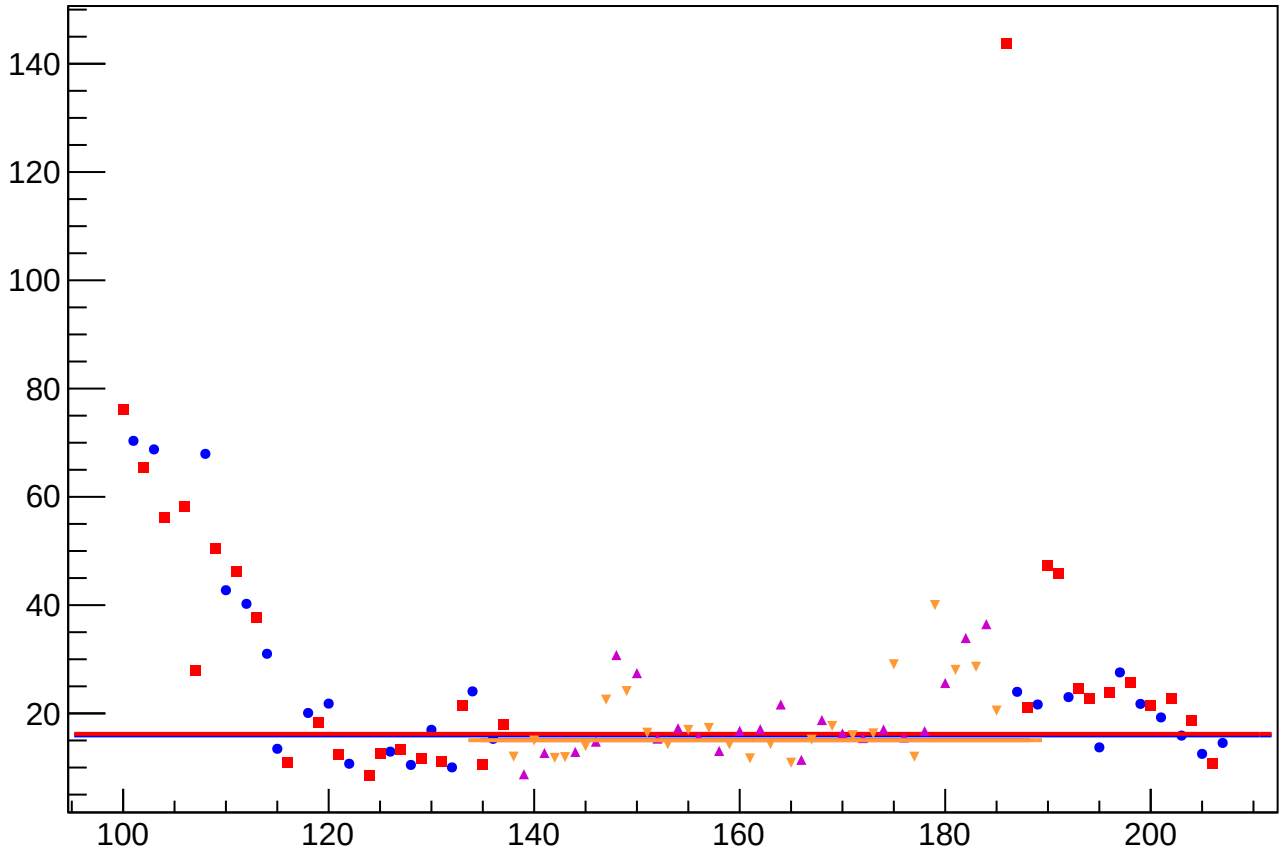
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.003+/-0.003 χ^2/NDF: 51.3/56

In: 0.001+/-0.003 χ^2/NDF:69.3/48

Out: 0.002+/-0.003 χ^2/NDF:49.8/55

All: 0.002+/-0.002 χ^2/NDF: 119.2/104



Right In: 15.940+/-0.003 χ^2/NDF: 4371955.2/25

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

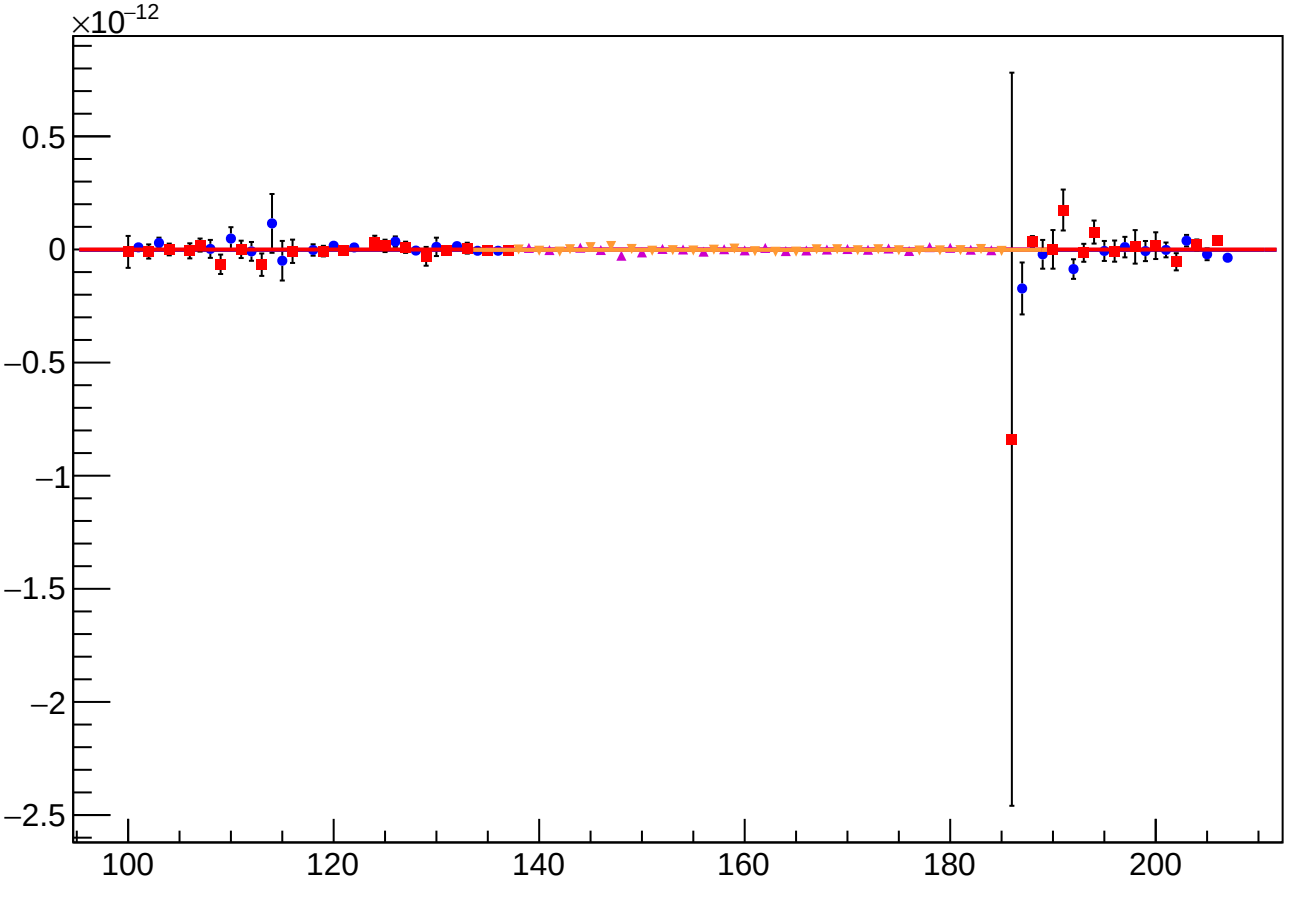
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.084+/-0.002 χ^2/NDF: 10791961.4/56

In: 15.415+/-0.002 χ^2/NDF:7479806.1/48

Out: 15.495+/-0.002 χ^2/NDF:9252922.1/55

All: 15.456+/-0.001 χ^2/NDF: 16733485.1/104



Right In: -0.000+/-0.000 χ^2/NDF: 22.6/25

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

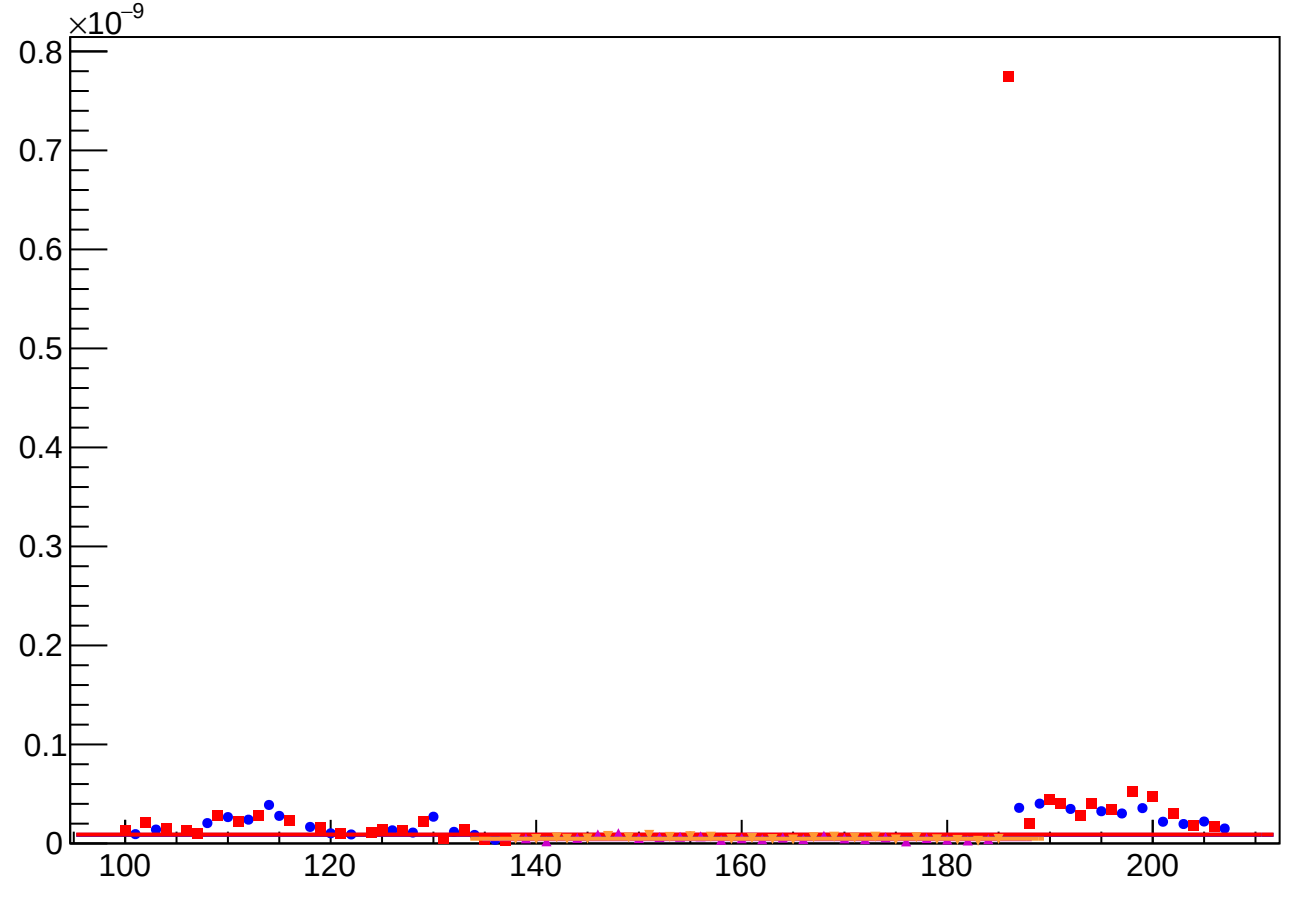
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.9/56

In: -0.000+/-0.000 χ^2/NDF:44.0/48

Out: -0.000+/-0.000 χ^2/NDF:37.6/55

All: -0.000+/-0.000 χ^2/NDF: 81.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 8586731.8/25

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

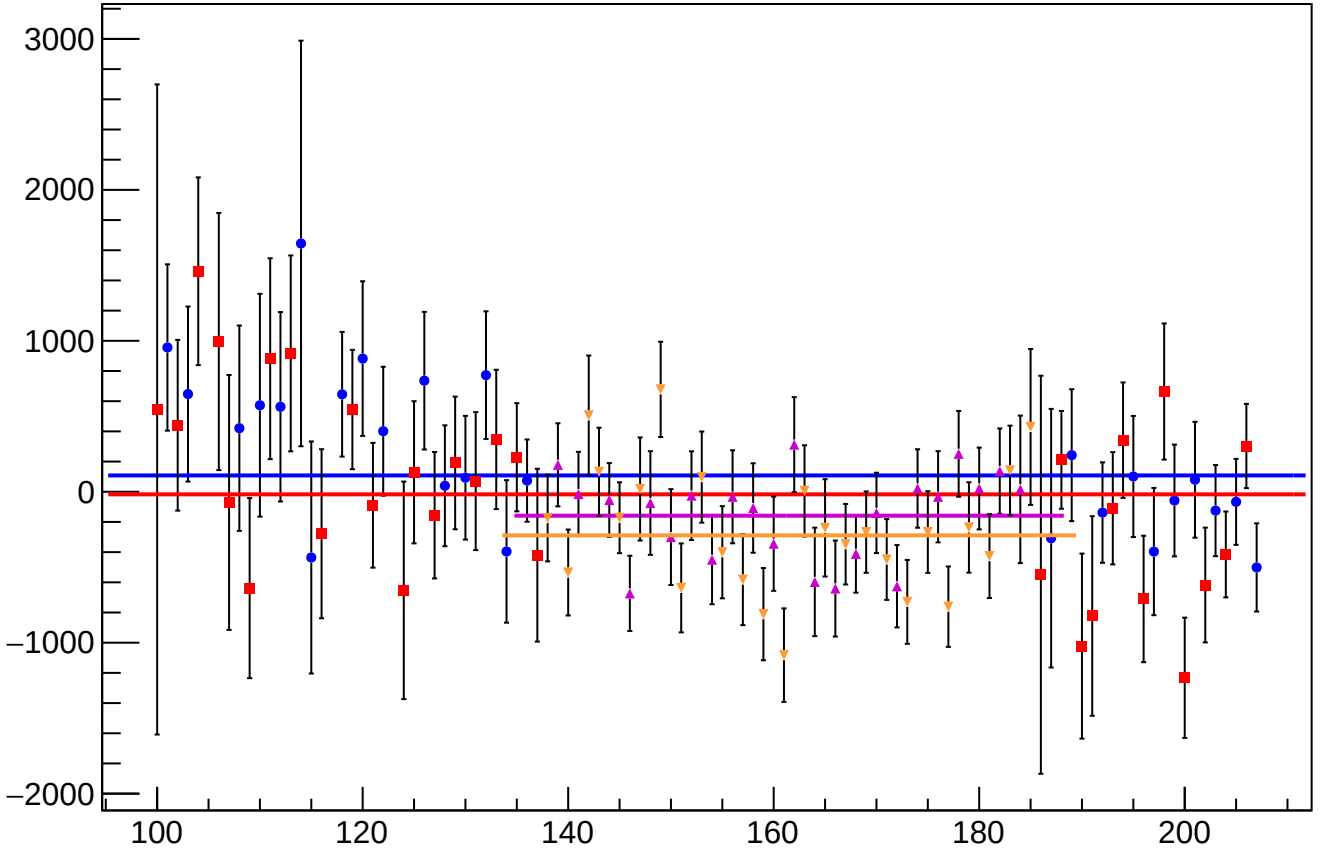
Right: 0.000+/-0.000 χ^2/NDF: 19492373.4/56

In: 0.000+/-0.000 χ^2/NDF:14784118.9/48

Out: 0.000+/-0.000 χ^2/NDF:15280451.0/55

All: 0.000+/-0.000 χ^2/NDF: 30196984.3/104

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 108.072+/-82.386 χ^2/NDF: 24.0/25

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

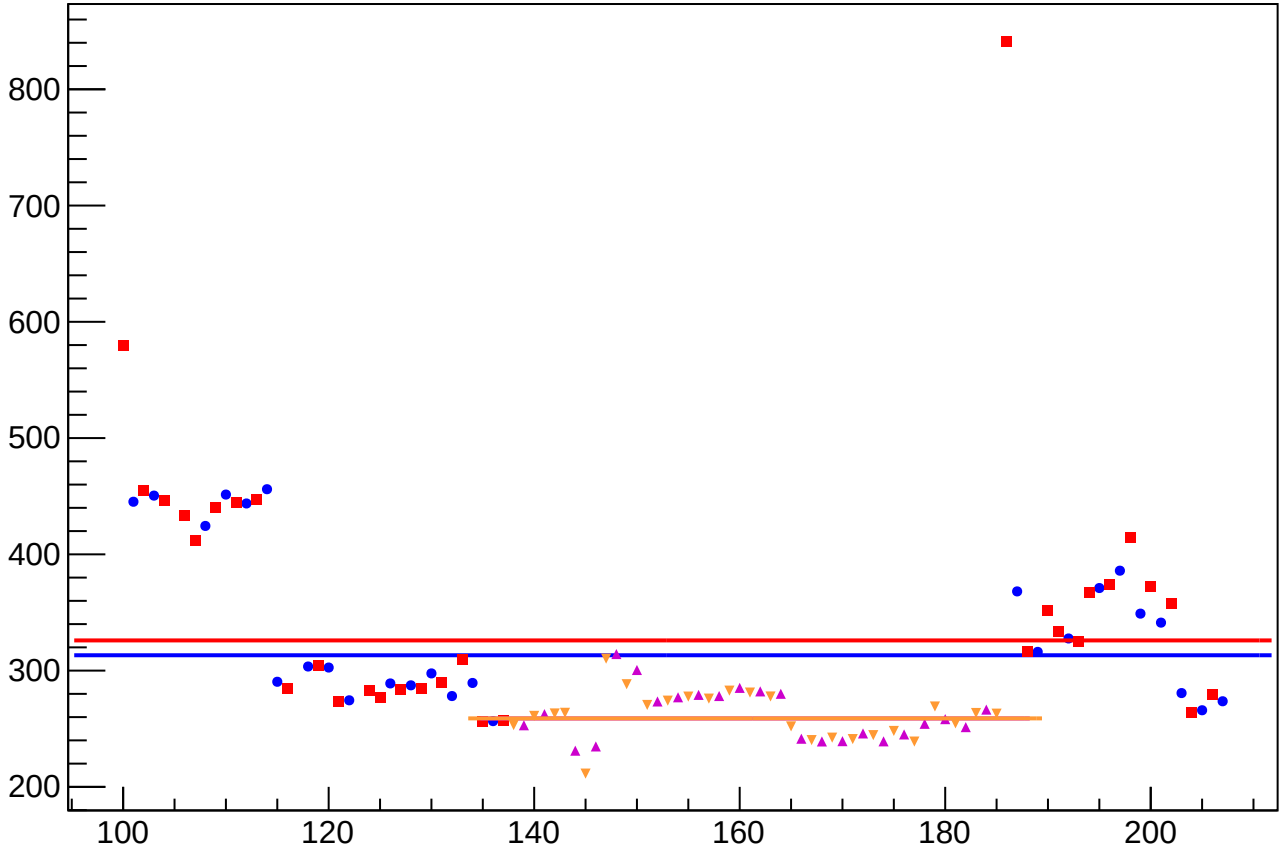
Right: 45.444+/-58.252 χ^2/NDF: 68.9/56

In: -64.759+/-48.872 χ^2/NDF:53.3/48

Out: -196.711+/-47.985 χ^2/NDF:93.3/55

All: -131.944+/-34.240 χ^2/NDF: 150.4/104

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.209+/-0.058 χ^2/NDF: 859848.8/25

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

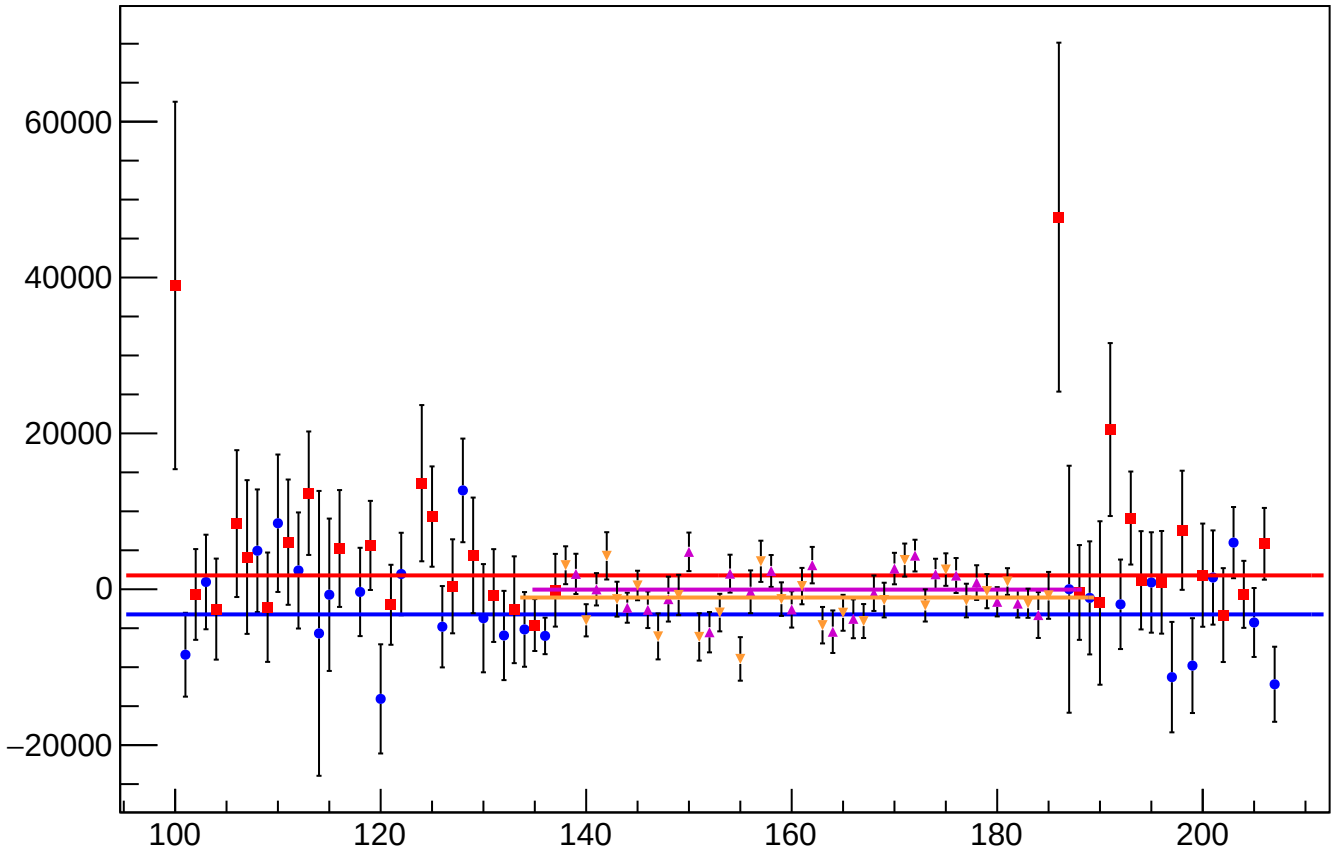
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.590+/-0.041 χ^2/NDF: 2215602.2/56

In: 277.974+/-0.035 χ^2/NDF:1669236.3/48

Out: 281.666+/-0.034 χ^2/NDF:2456135.0/55

All: 279.854+/-0.024 χ^2/NDF: 4131182.3/104



Right In: -3225.923+/-1091.445 χ^2/NDF: 27.3/25

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

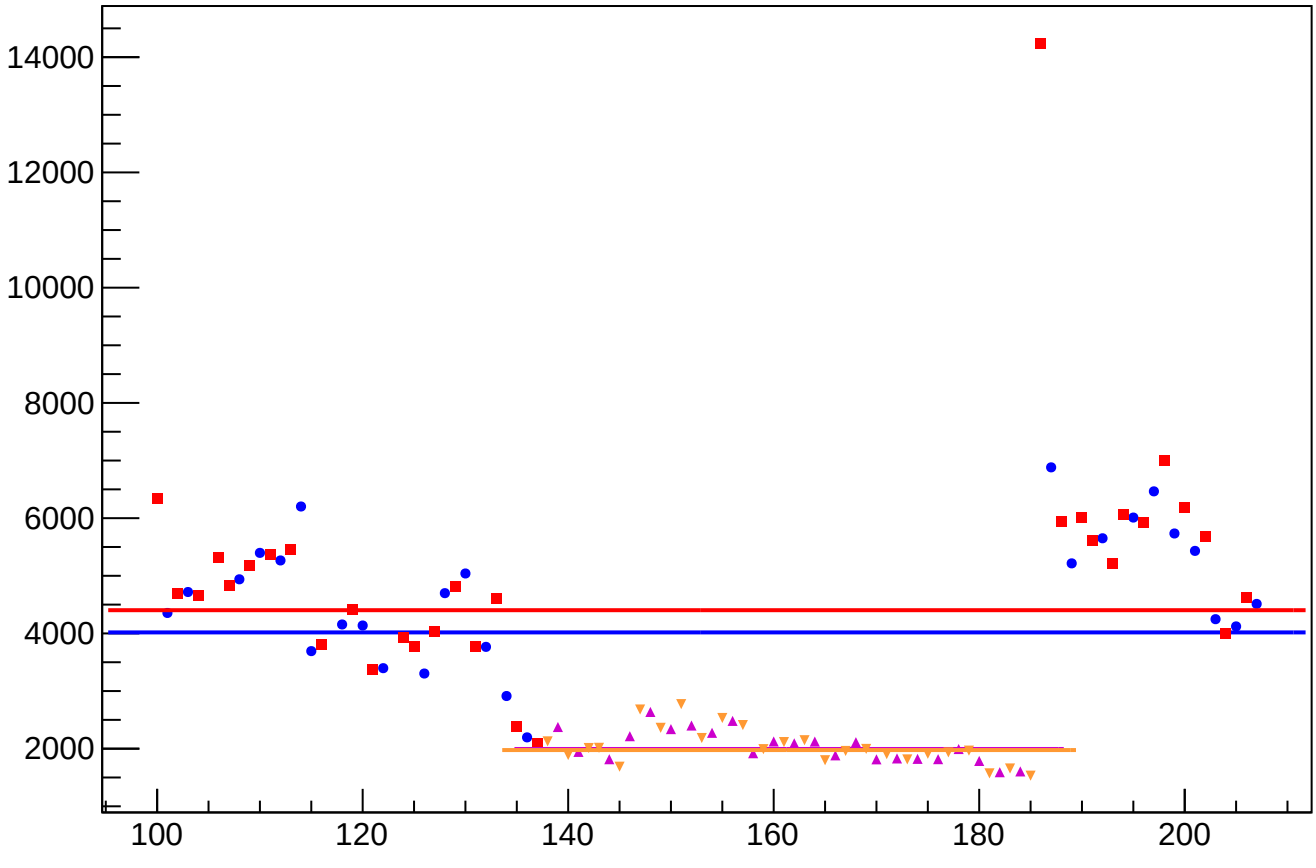
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -829.699+/-787.920 χ^2/NDF: 63.3/56

In: -543.290+/-432.219 χ^2/NDF:68.7/48

Out: -669.045+/-422.236 χ^2/NDF:72.7/55

All: -607.636+/-302.034 χ^2/NDF: 141.4/104



Right In: 4017.657+/-0.772 χ^2/NDF: 2654371.7/25

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

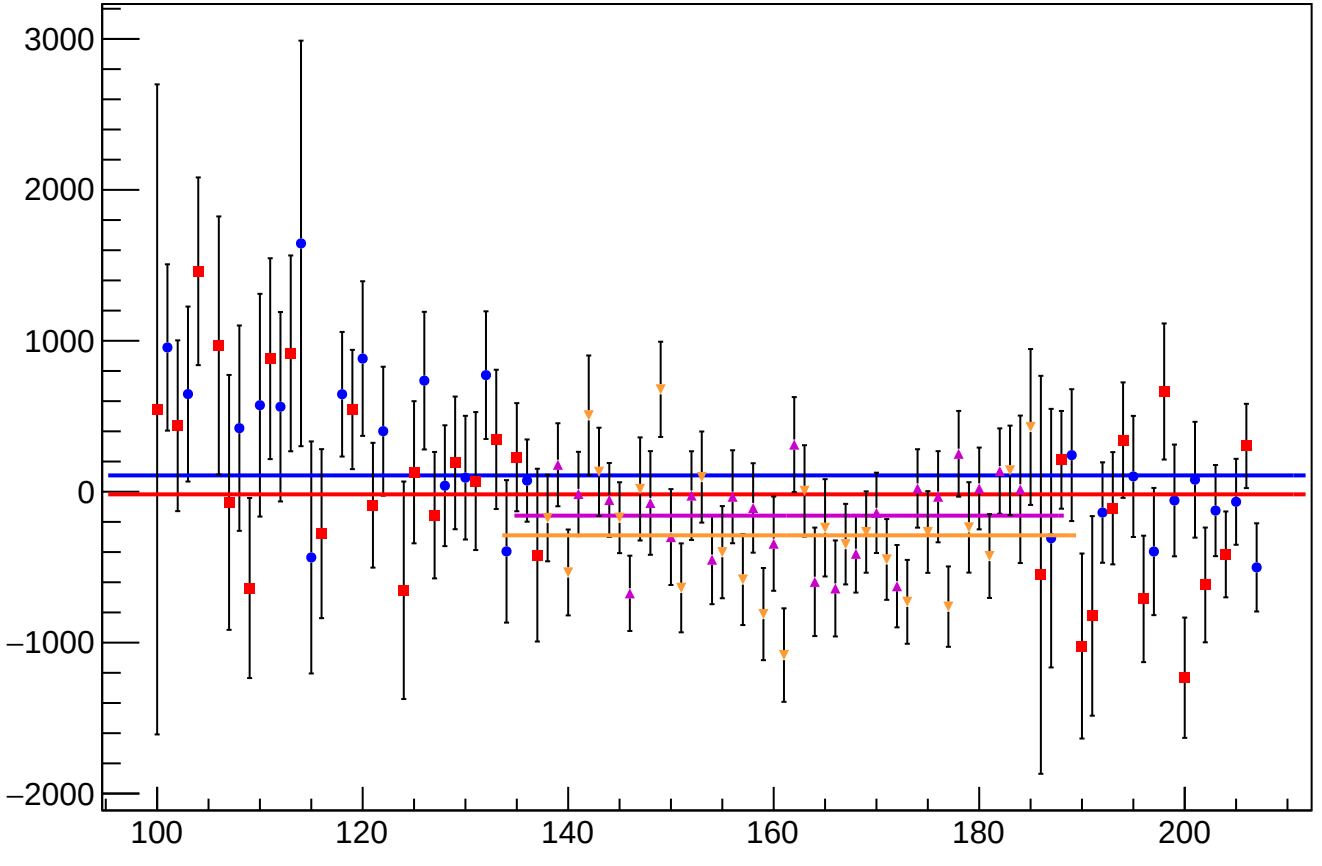
Right: 4202.254+/-0.557 χ^2/NDF: 5645487.6/56

In: 2311.993+/-0.306 χ^2/NDF:9047236.0/48

Out: 2309.742+/-0.299 χ^2/NDF:11473357.3/55

All: 2310.841+/-0.214 χ^2/NDF: 20520621.1/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 108.048+/-82.386 χ^2/NDF: 24.0/25

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

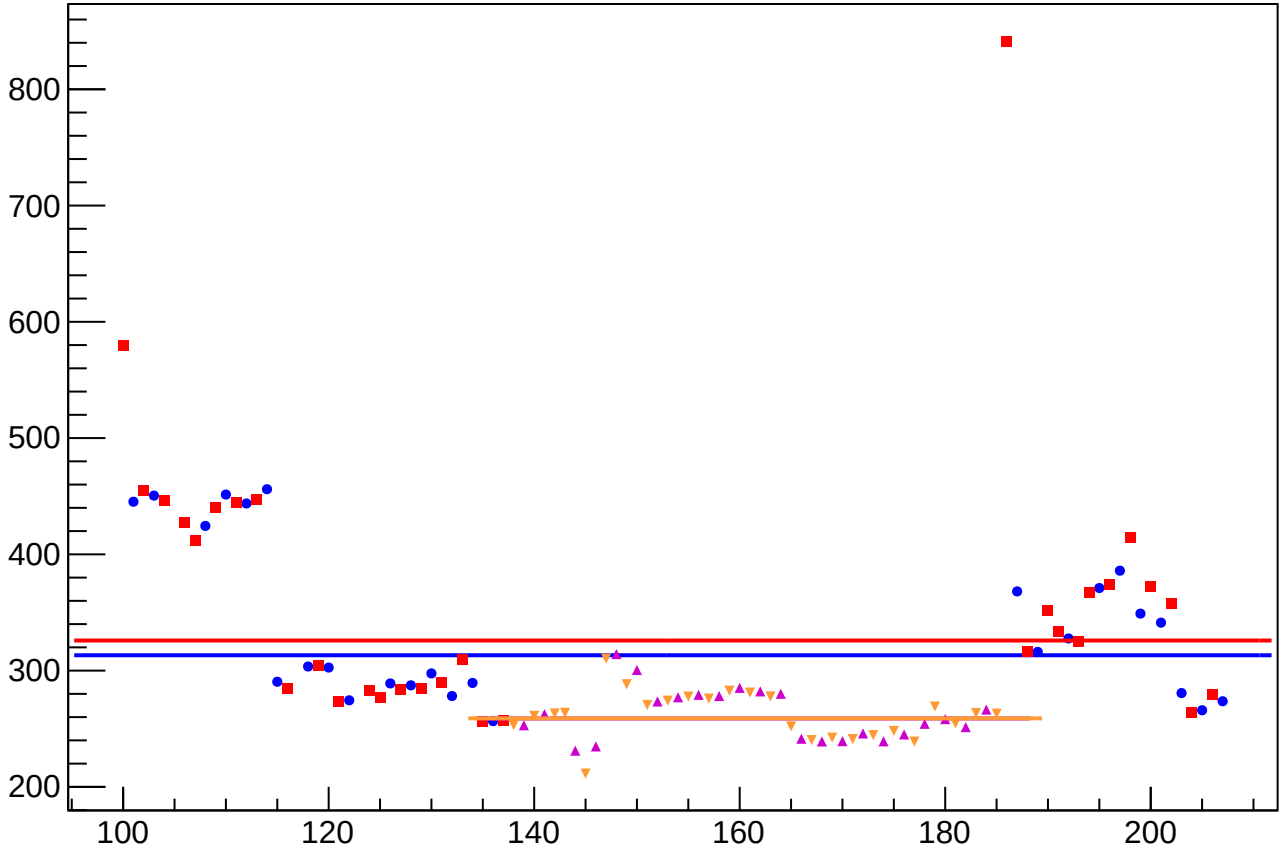
Right: 45.236+/-58.253 χ^2/NDF: 68.8/56

In: -64.775+/-48.872 χ^2/NDF:53.3/48

Out: -196.855+/-47.986 χ^2/NDF:93.2/55

All: -132.024+/-34.240 χ^2/NDF: 150.3/104

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 313.209+/-0.058 χ^2/NDF: 859850.3/25

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

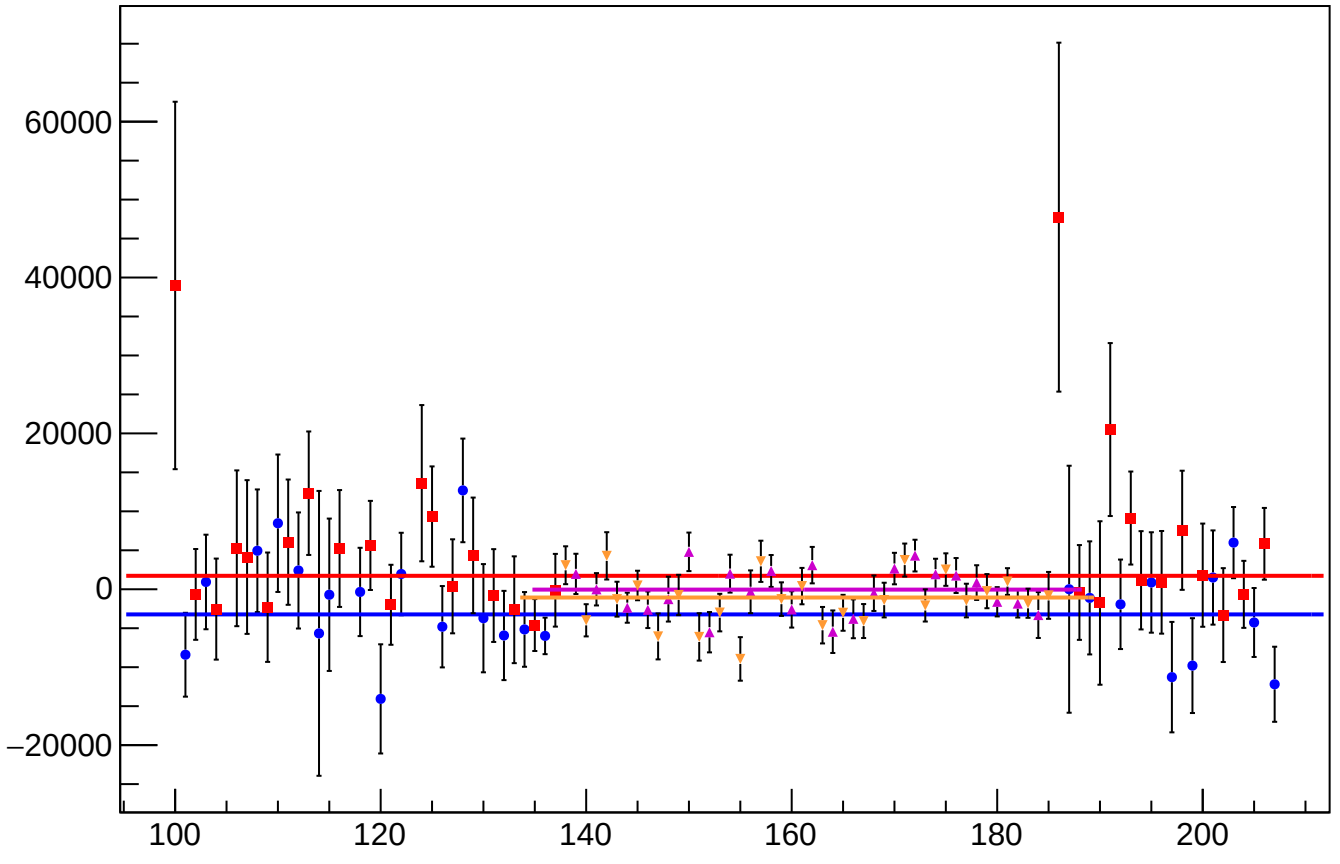
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.555+/-0.041 χ^2/NDF: 2211431.6/56

In: 277.974+/-0.035 χ^2/NDF:1669237.9/48

Out: 281.641+/-0.034 χ^2/NDF:2450370.5/55

All: 279.841+/-0.024 χ^2/NDF: 4125341.7/104



Right In: -3225.888+/-1091.446 χ^2/NDF: 27.3/25

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

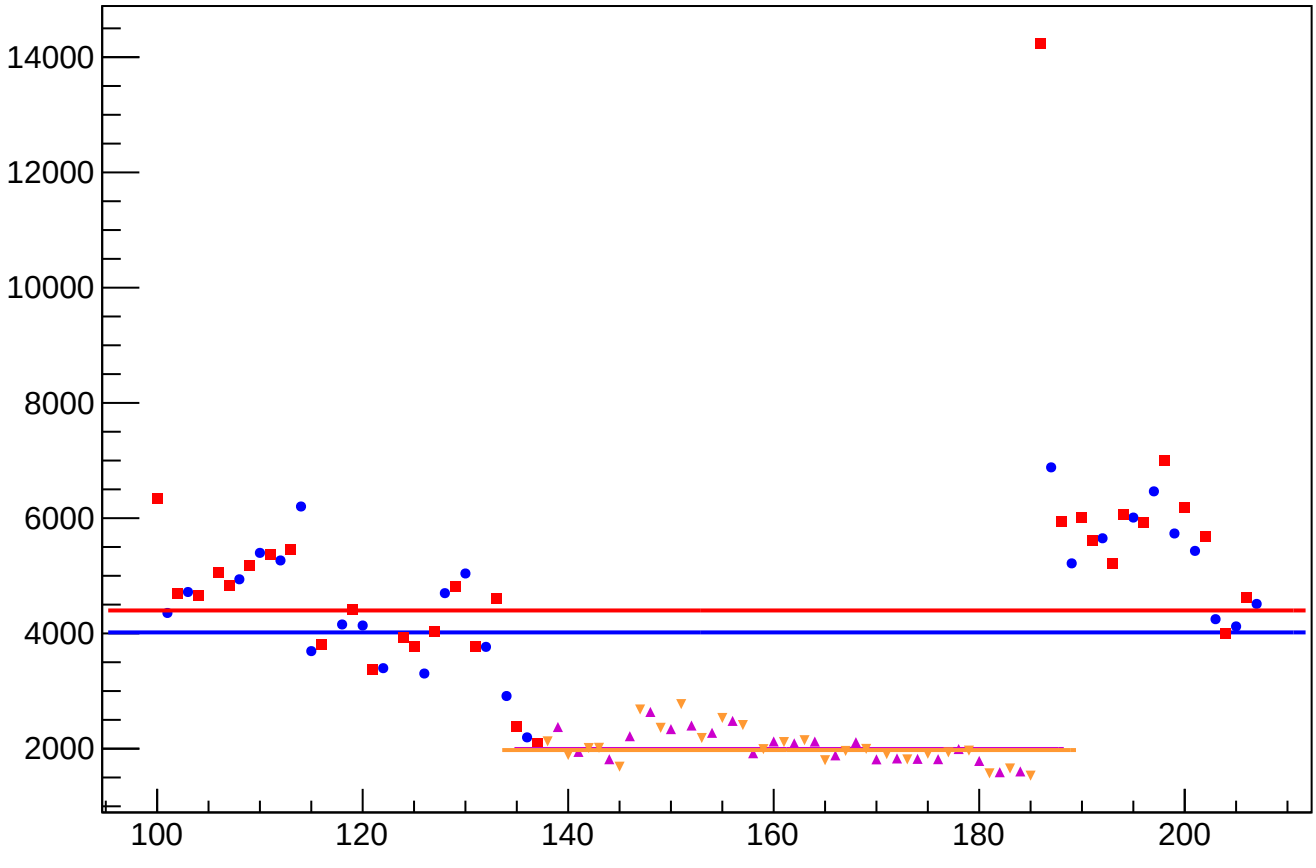
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -856.472+/-788.235 χ^2/NDF: 62.7/56

In: -543.280+/-432.220 χ^2/NDF:68.7/48

Out: -676.701+/-422.285 χ^2/NDF:72.1/55

All: -611.542+/-302.052 χ^2/NDF: 140.9/104



Right In: 4017.662+/-0.772 χ^2/NDF: 2654381.4/25

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

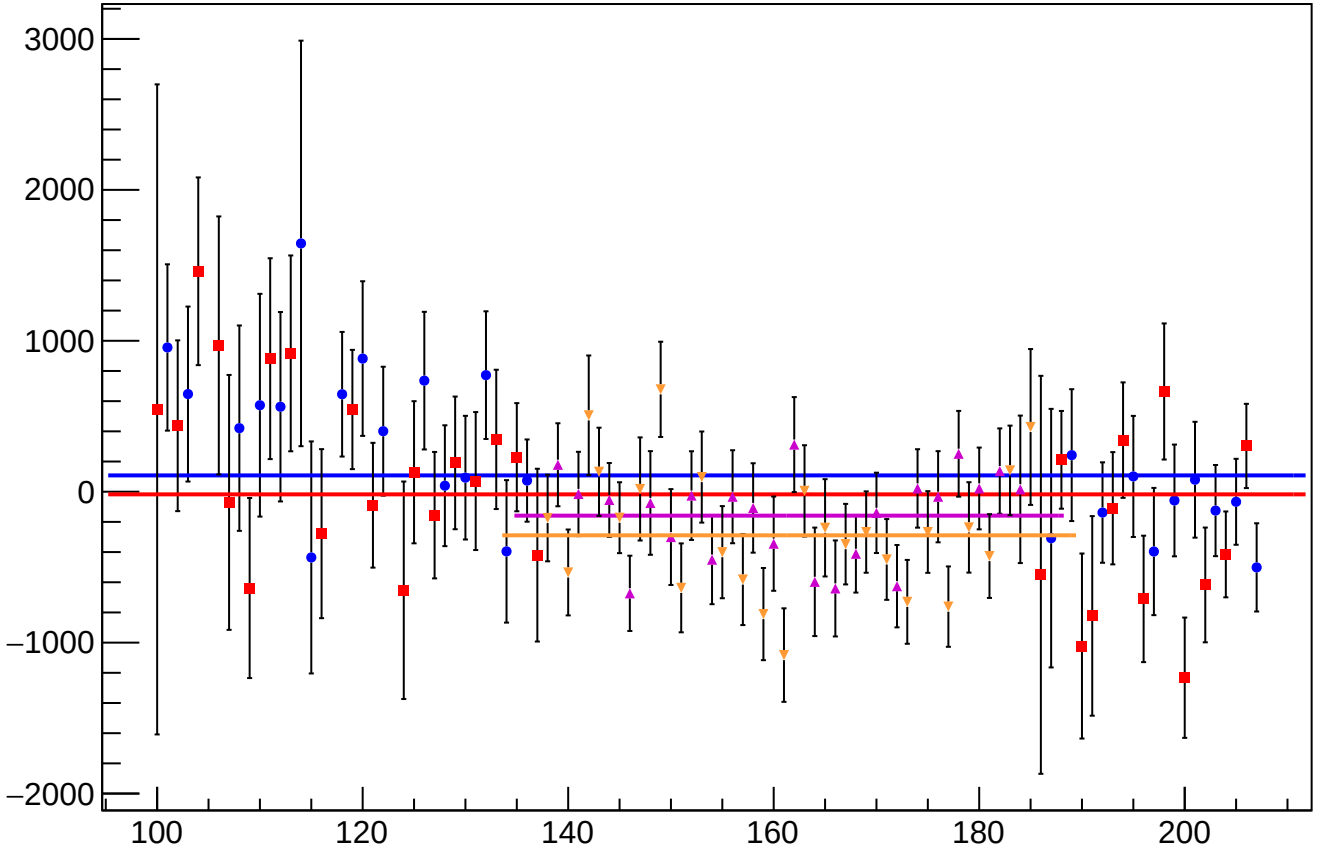
Right: 4199.899+/-0.557 χ^2/NDF: 5632816.0/56

In: 2311.994+/-0.306 χ^2/NDF:9047256.3/48

Out: 2308.631+/-0.299 χ^2/NDF:11422739.7/55

All: 2310.273+/-0.214 χ^2/NDF: 20470057.9/1

eigen_cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 108.048+/-82.386 χ^2/NDF: 24.0/25

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

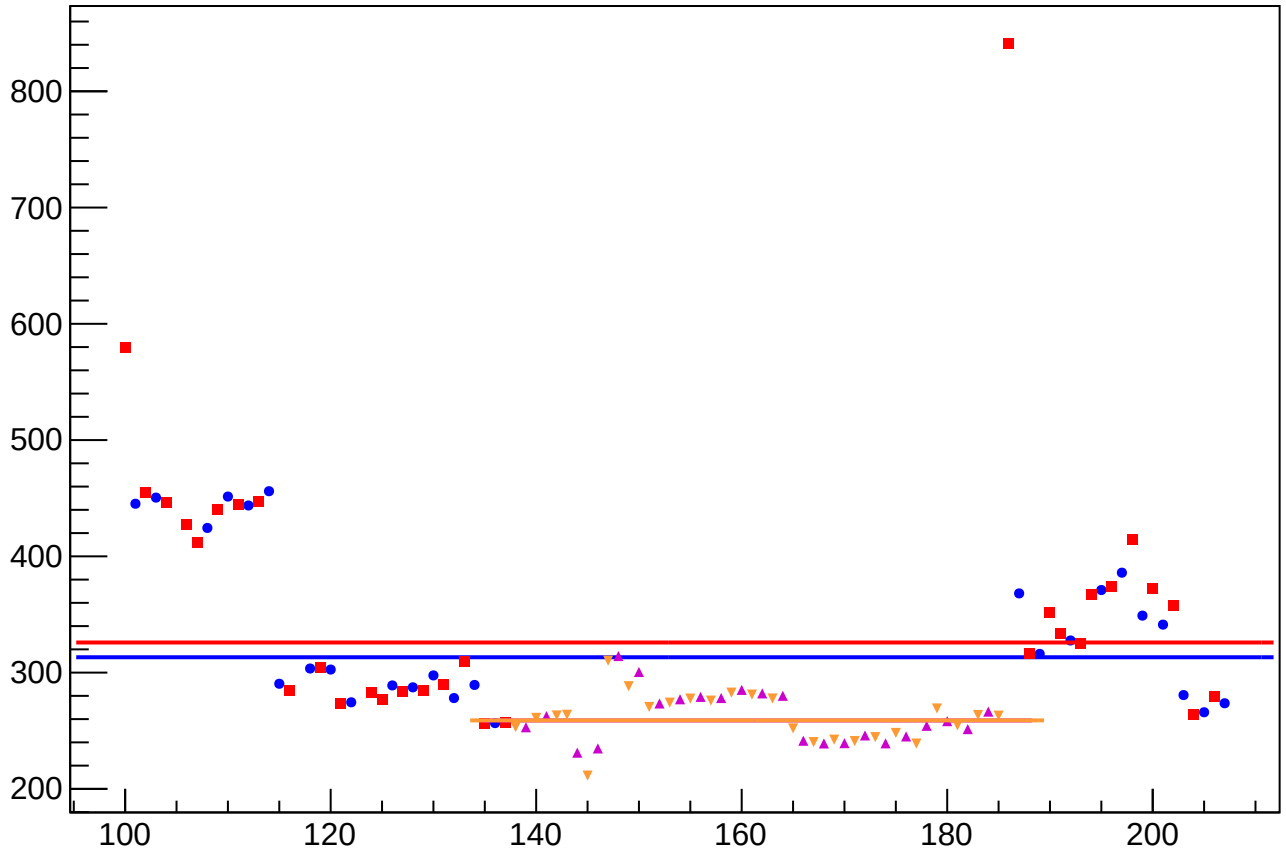
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 45.236+/-58.253 χ^2/NDF: 68.8/56

In: -64.775+/-48.872 χ^2/NDF:53.3/48

Out: -196.855+/-47.986 χ^2/NDF:93.2/55

All: -132.024+/-34.240 χ^2/NDF: 150.3/104



Right In: 313.209+/-0.058 χ^2/NDF: 859850.3/25

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

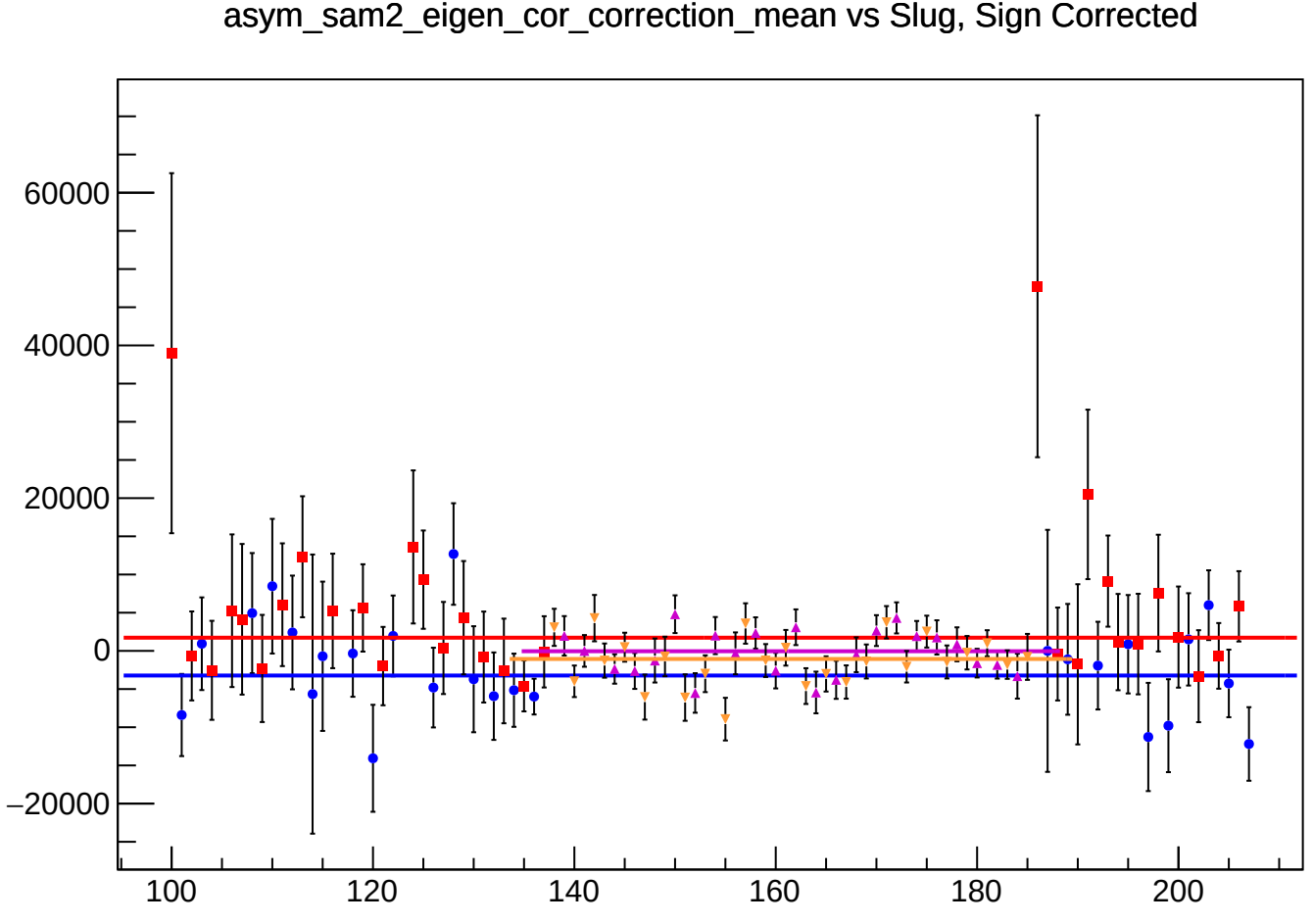
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 319.555+/-0.041 χ^2/NDF: 2211431.6/56

In: 277.974+/-0.035 χ^2/NDF:1669237.9/48

Out: 281.641+/-0.034 χ^2/NDF:2450370.5/55

All: 279.841+/-0.024 χ^2/NDF: 4125341.7/104



Right In: -3225.888+/-1091.446 χ^2/NDF: 27.3/25

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

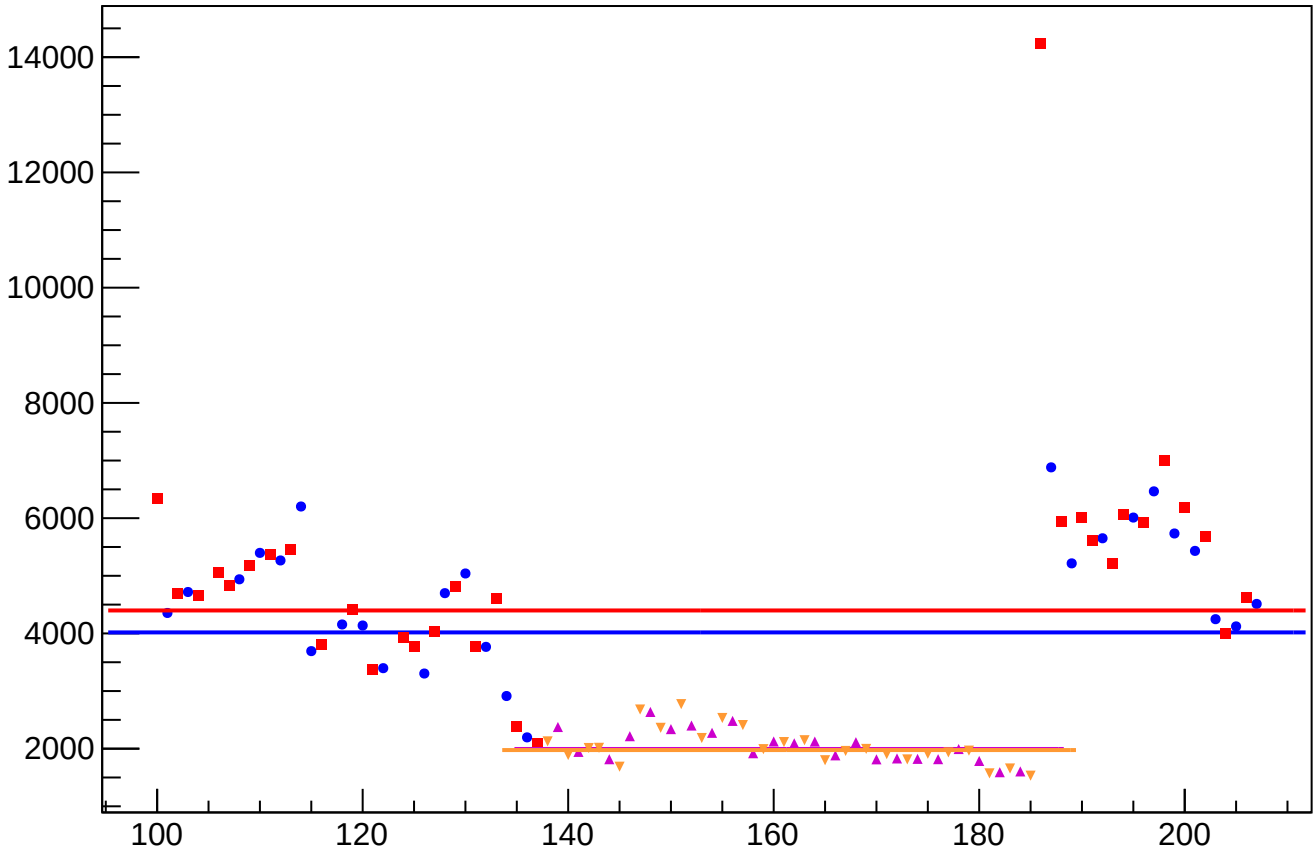
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -856.472+/-788.235 χ^2/NDF: 62.7/56

In: -543.280+/-432.220 χ^2/NDF:68.7/48

Out: -676.701+/-422.285 χ^2/NDF:72.1/55

All: -611.542+/-302.052 χ^2/NDF: 140.9/104



Right In: 4017.662+/-0.772 χ^2/NDF: 2654381.4/25

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

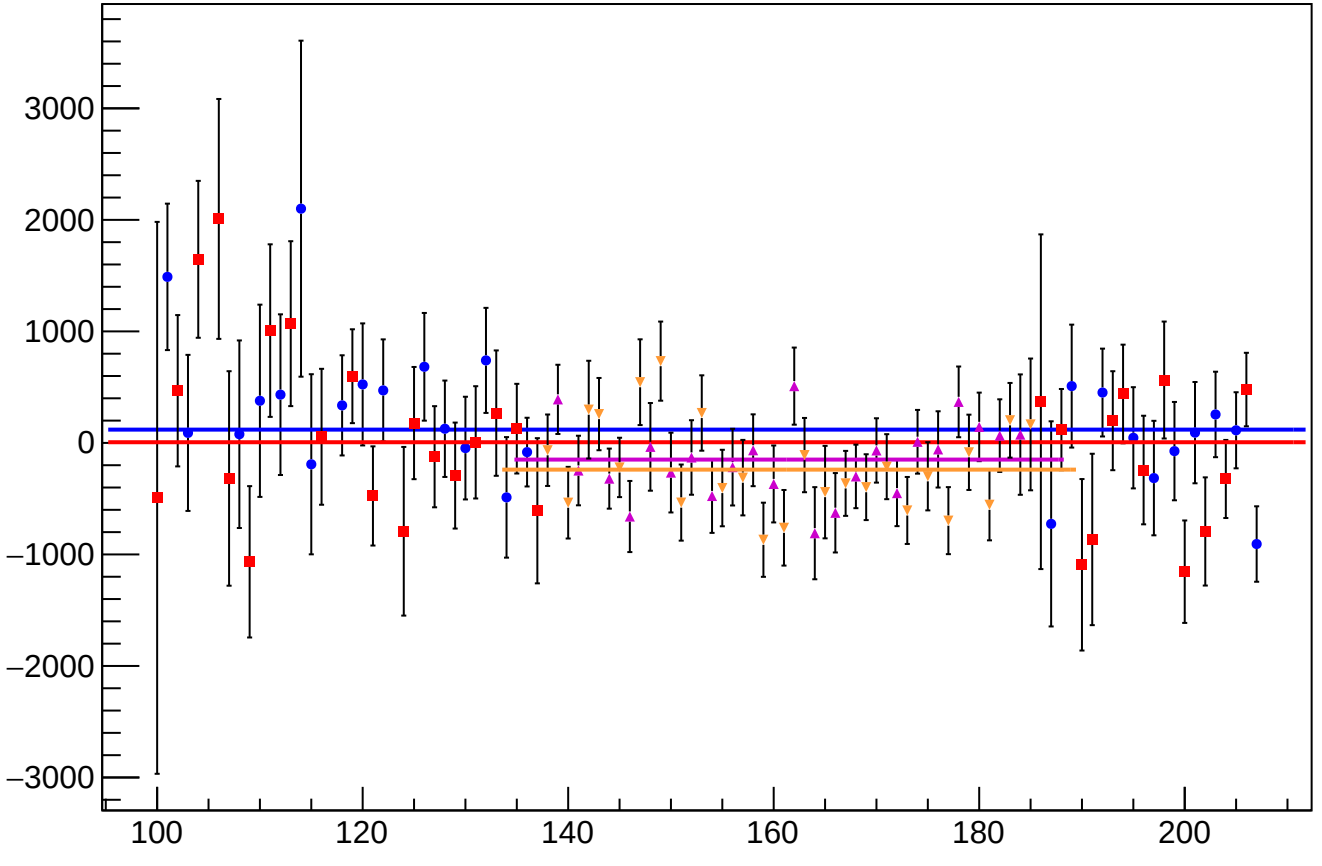
Right: 4199.899+/-0.557 χ^2/NDF: 5632816.0/56

In: 2311.994+/-0.306 χ^2/NDF:9047256.3/48

Out: 2308.631+/-0.299 χ^2/NDF:11422739.7/55

All: 2310.273+/-0.214 χ^2/NDF: 20470057.9/1

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 119.182+/-95.072 χ^2/NDF: 25.1/25

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

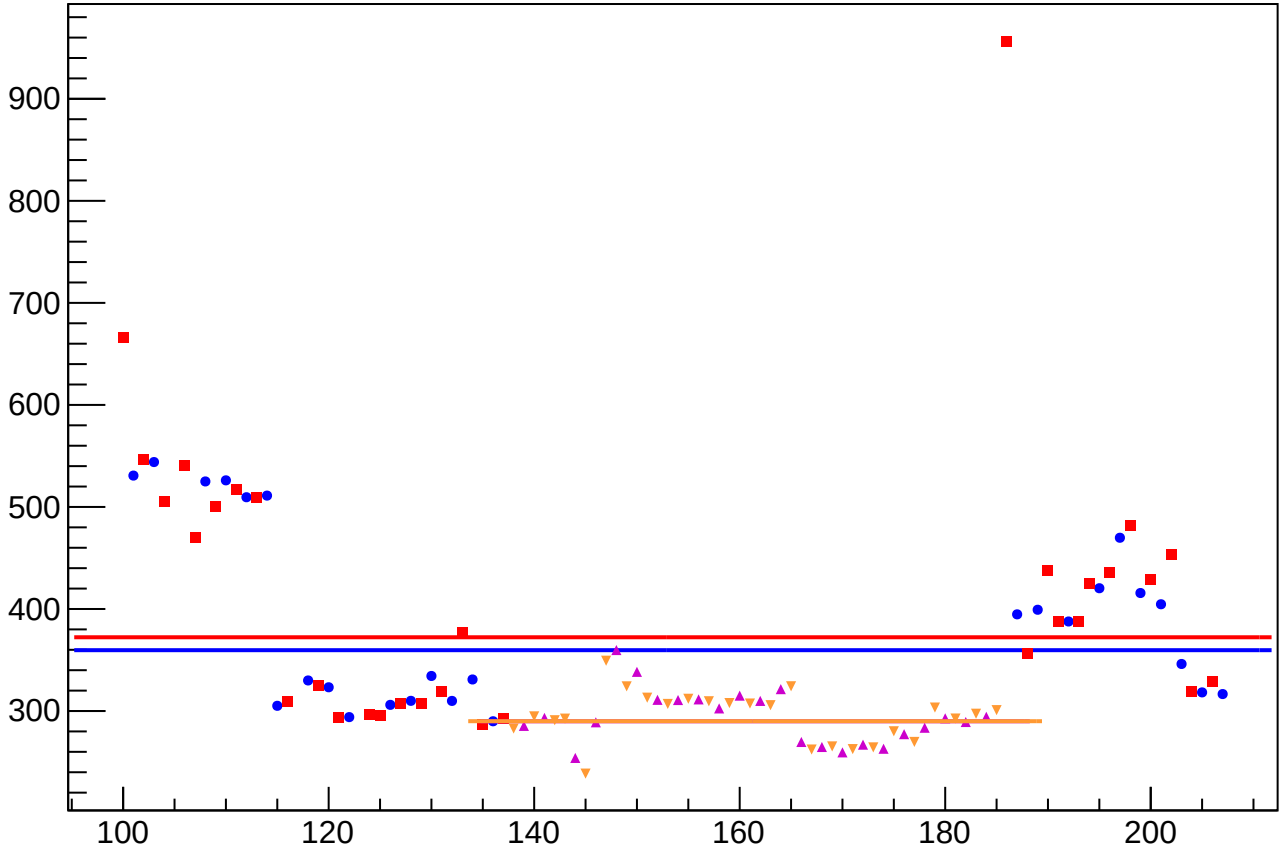
Right: 62.344+/-67.050 χ^2/NDF: 65.7/56

In: -58.296+/-55.394 χ^2/NDF:52.1/48

Out: -158.826+/-54.216 χ^2/NDF:78.5/55

All: -109.642+/-38.746 χ^2/NDF: 132.2/104

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 359.623+/-0.067 χ^2/NDF: 1056090.4/25

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

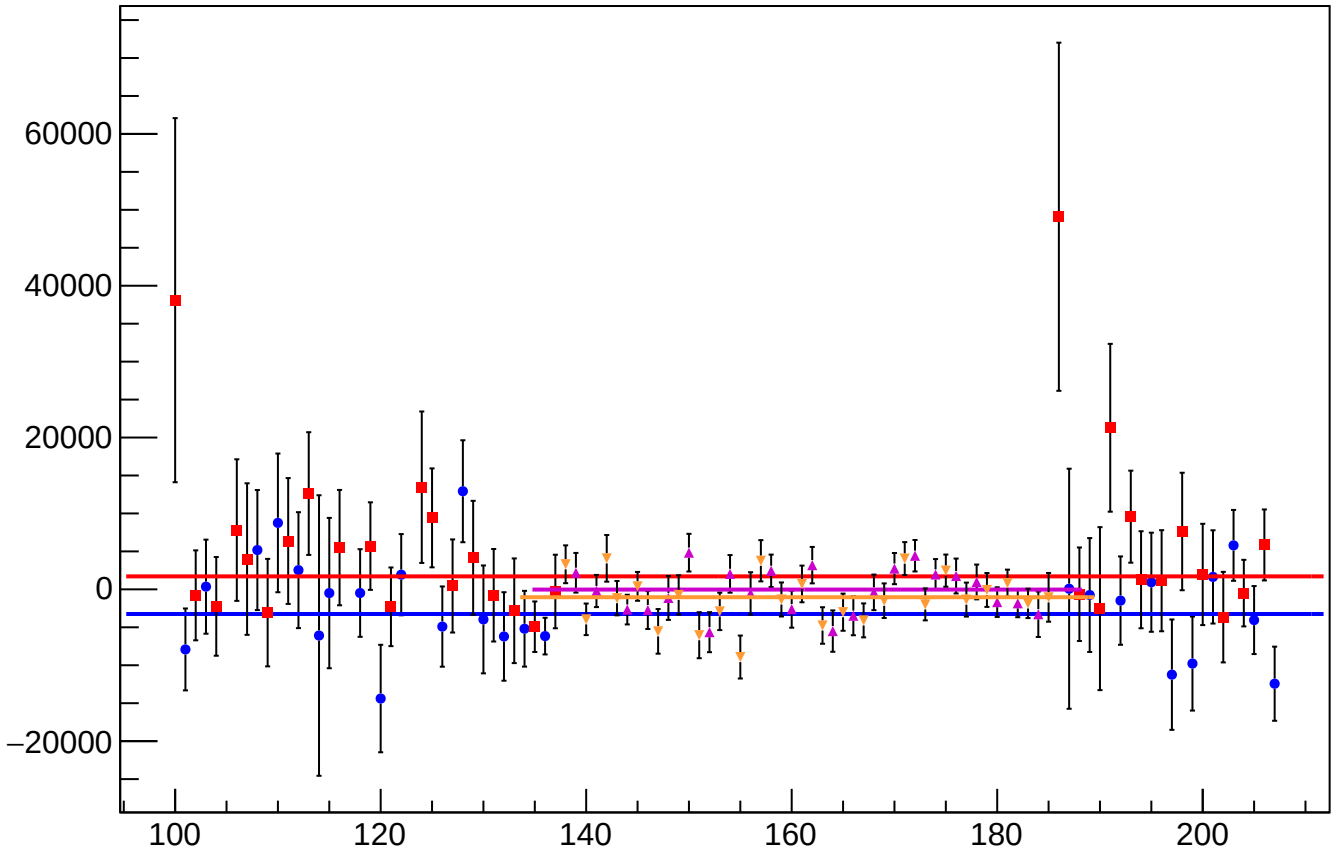
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 365.986+/-0.047 χ^2/NDF: 2621732.3/56

In: 313.597+/-0.039 χ^2/NDF:2035398.9/48

Out: 317.055+/-0.038 χ^2/NDF:2844265.2/55

All: 315.363+/-0.027 χ^2/NDF: 4883643.3/104



Right In: -3247.945+/-1113.929 χ^2/NDF: 27.0/25

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

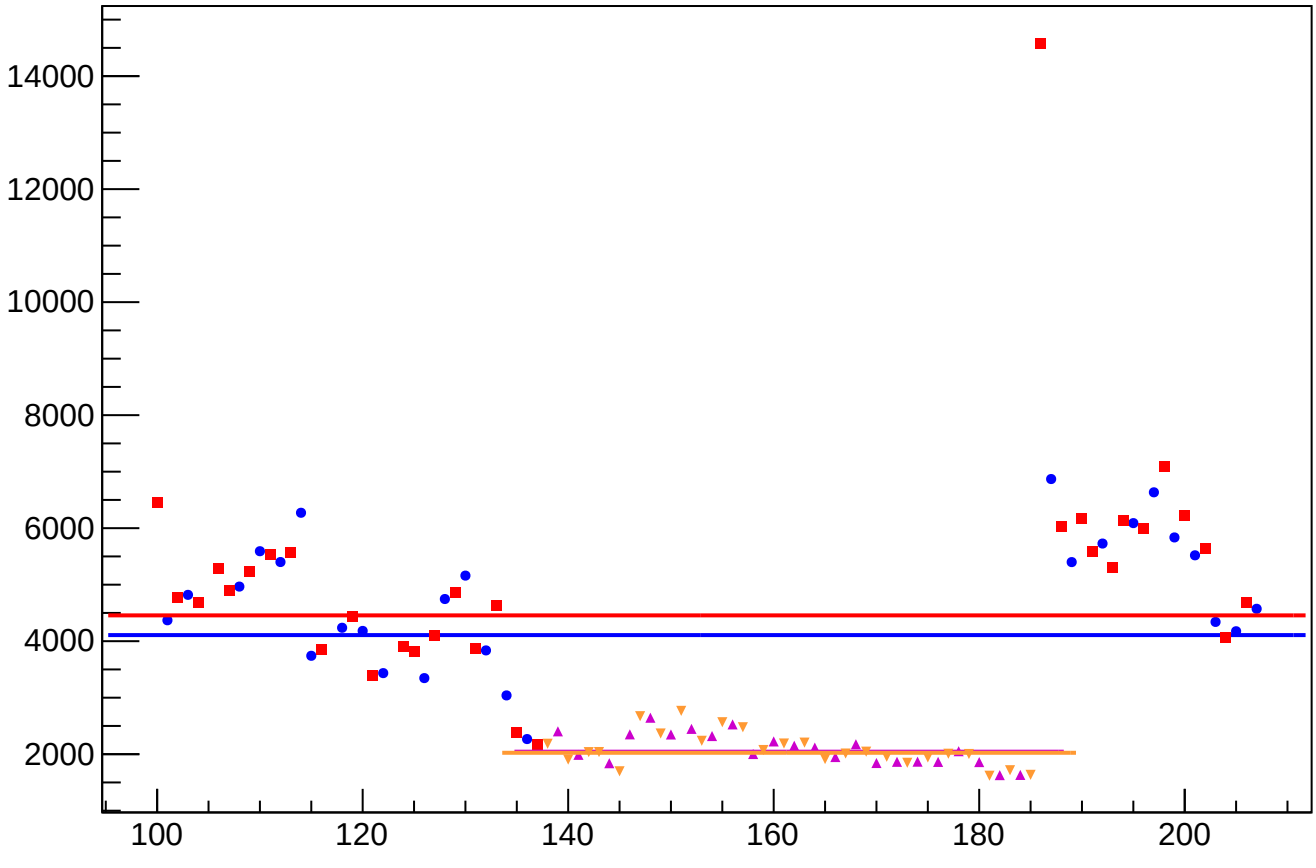
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -853.133+/-800.908 χ^2/NDF: 63.3/56

In: -538.312+/-442.580 χ^2/NDF:68.1/48

Out: -651.565+/-431.474 χ^2/NDF:71.9/55

All: -596.377+/-308.950 χ^2/NDF: 140.1/104



Right In: 4107.851+/-0.788 χ^2/NDF: 2571973.1/25

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

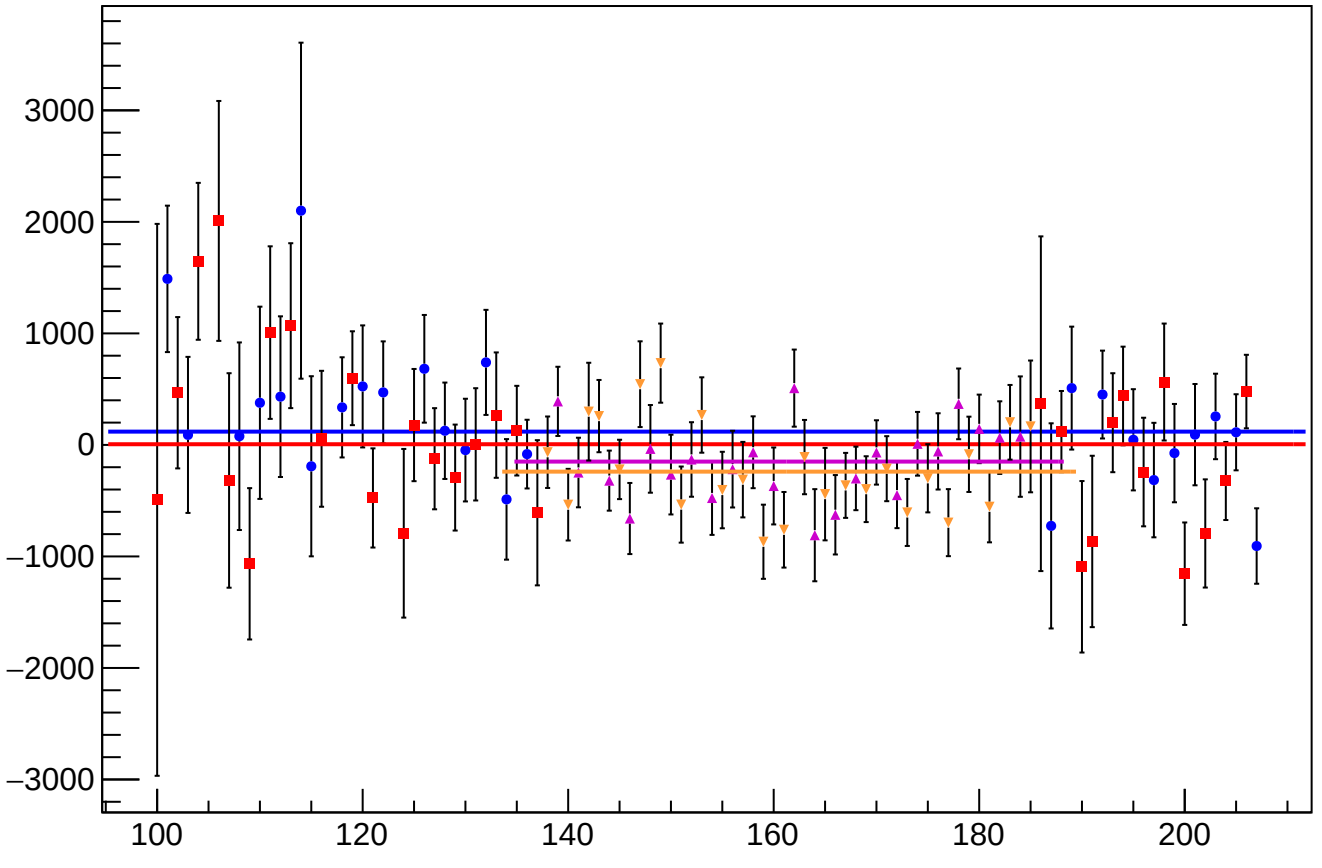
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4276.376+/-0.566 χ^2/NDF: 5526268.3/56

In: 2370.237+/-0.313 χ^2/NDF:8935671.9/48

Out: 2365.991+/-0.305 χ^2/NDF:11217274.9/55

All: 2368.060+/-0.218 χ^2/NDF: 20153041.1/1



Right In: 119.188+/-95.072 χ^2/NDF: 25.1/25

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

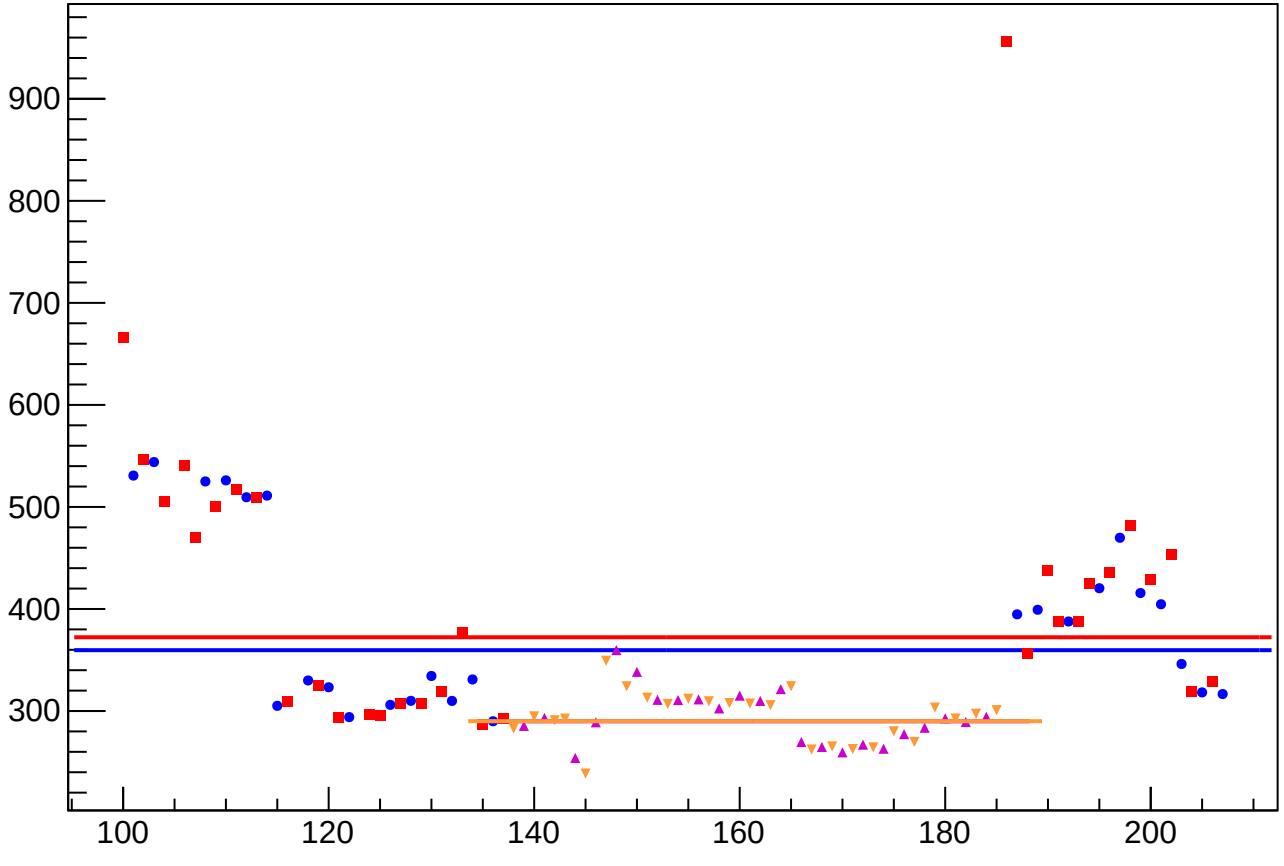
Right: 62.348+/-67.050 χ^2/NDF: 65.7/56

In: -58.294+/-55.394 χ^2/NDF:52.1/48

Out: -158.827+/-54.216 χ^2/NDF:78.5/55

All: -109.641+/-38.746 χ^2/NDF: 132.2/104

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 359.622+/-0.067 χ^2/NDF: 1056088.4/25

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

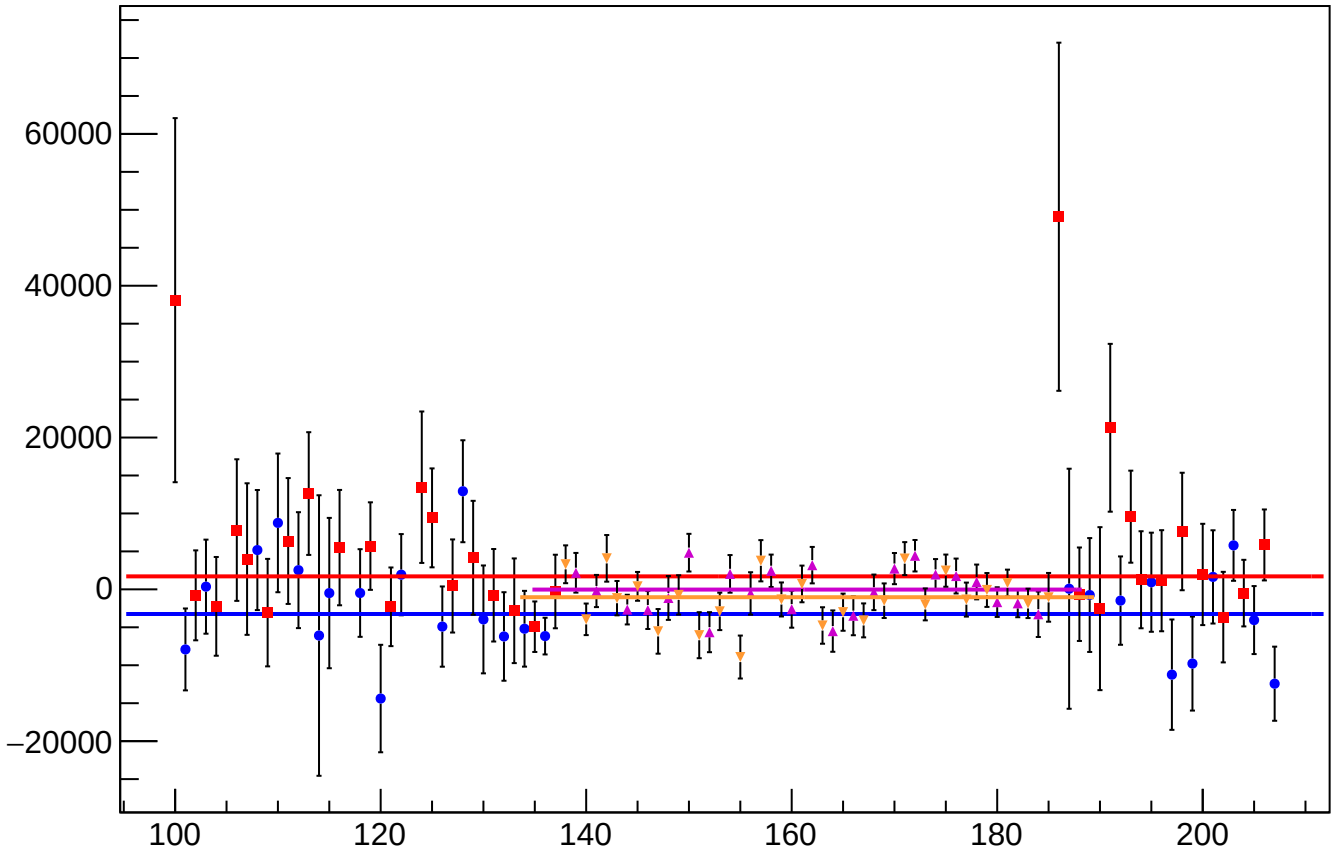
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 365.985+/-0.047 χ^2/NDF: 2621723.8/56

In: 313.597+/-0.039 χ^2/NDF:2035380.4/48

Out: 317.055+/-0.038 χ^2/NDF:2844250.9/55

All: 315.363+/-0.027 χ^2/NDF: 4883611.1/104



Right In: -3247.939+/-1113.929 χ^2/NDF: 27.0/25

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

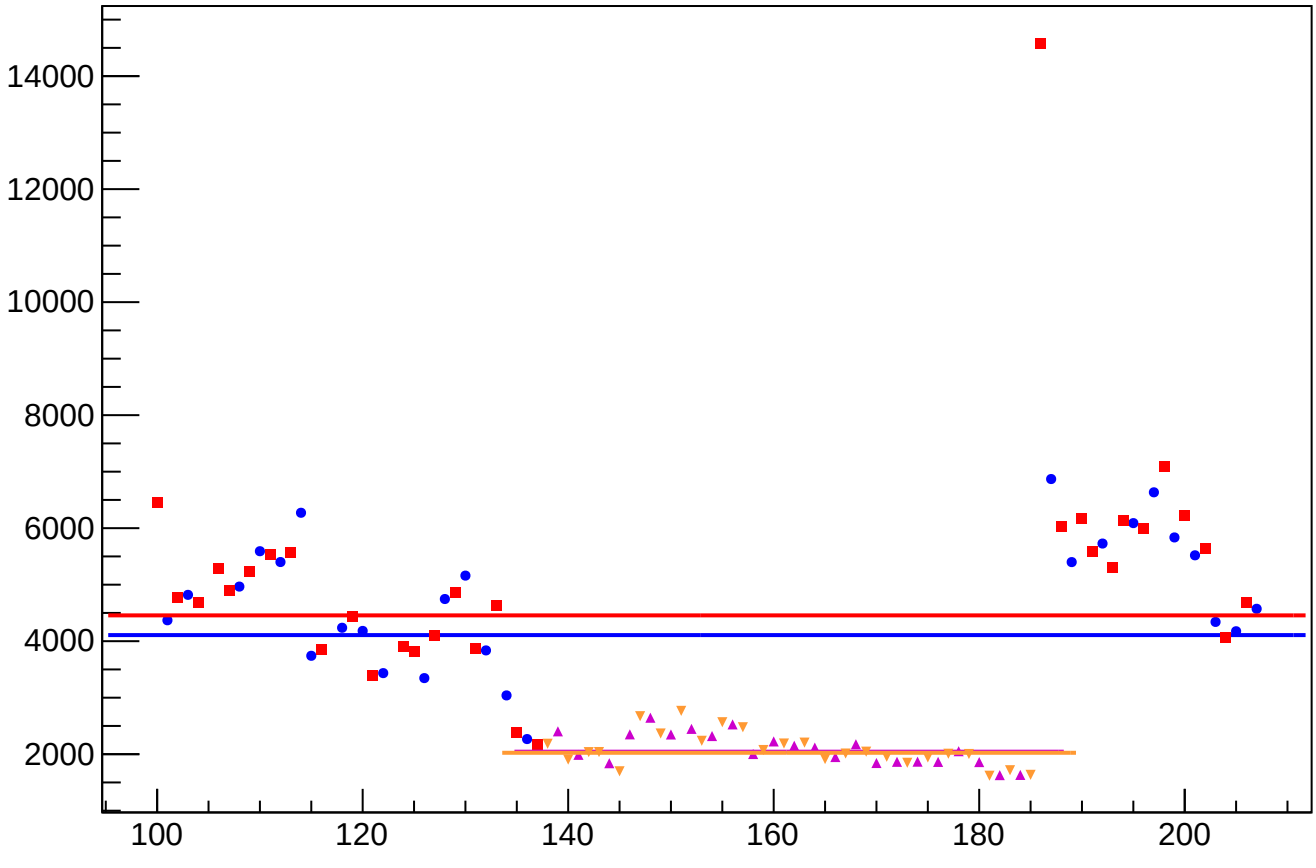
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -853.129+/-800.908 χ^2/NDF: 63.3/56

In: -538.311+/-442.580 χ^2/NDF:68.1/48

Out: -651.563+/-431.474 χ^2/NDF:71.9/55

All: -596.376+/-308.950 χ^2/NDF: 140.1/104



Right In: 4107.848+/-0.788 χ^2/NDF: 2571964.0/25

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

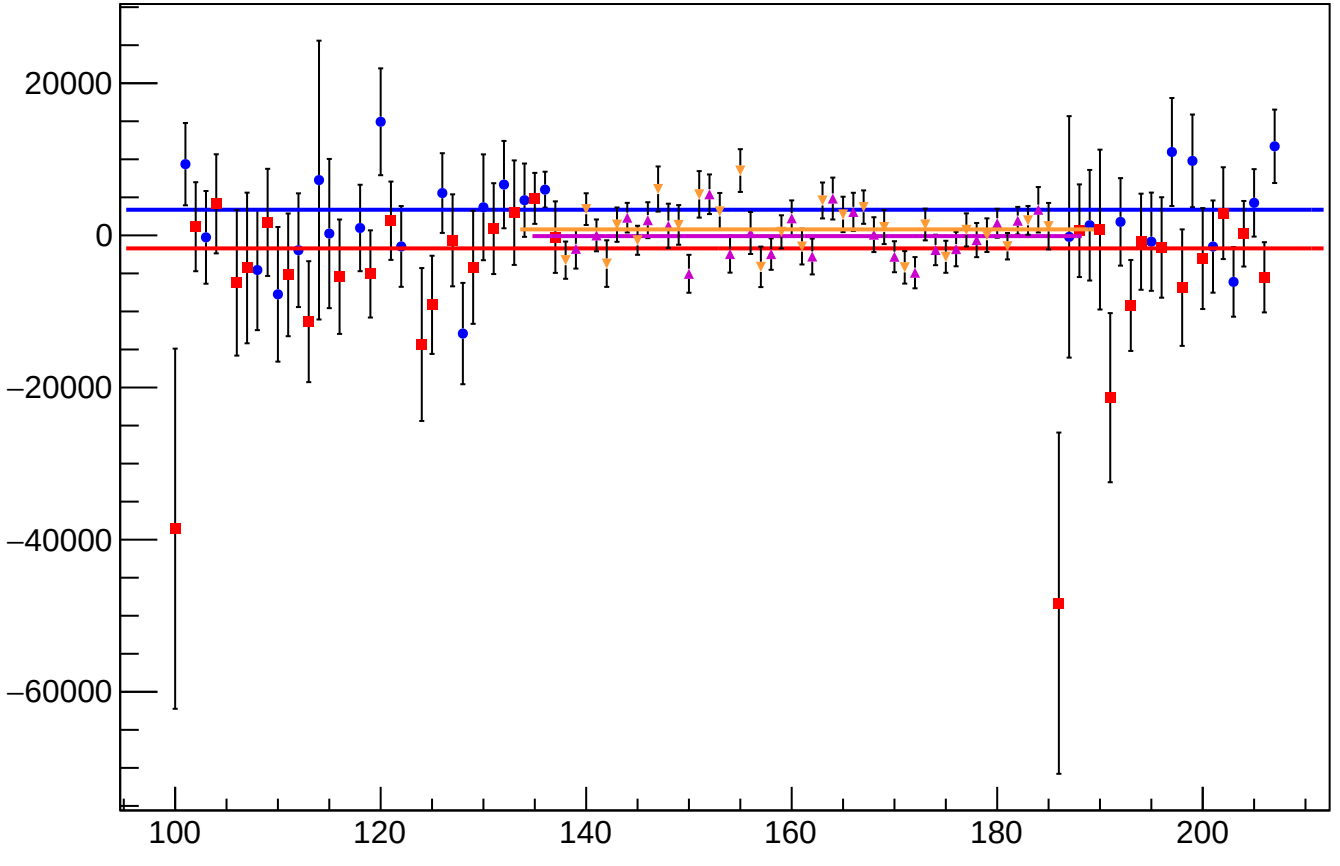
Right: 4276.373+/-0.566 χ^2/NDF: 5526255.1/56

In: 2370.237+/-0.313 χ^2/NDF:8935661.8/48

Out: 2365.991+/-0.305 χ^2/NDF:11217263.6/55

All: 2368.060+/-0.218 χ^2/NDF: 20153019.8/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 3369.685+/-1095.642 χ^2/NDF: 27.2/25

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

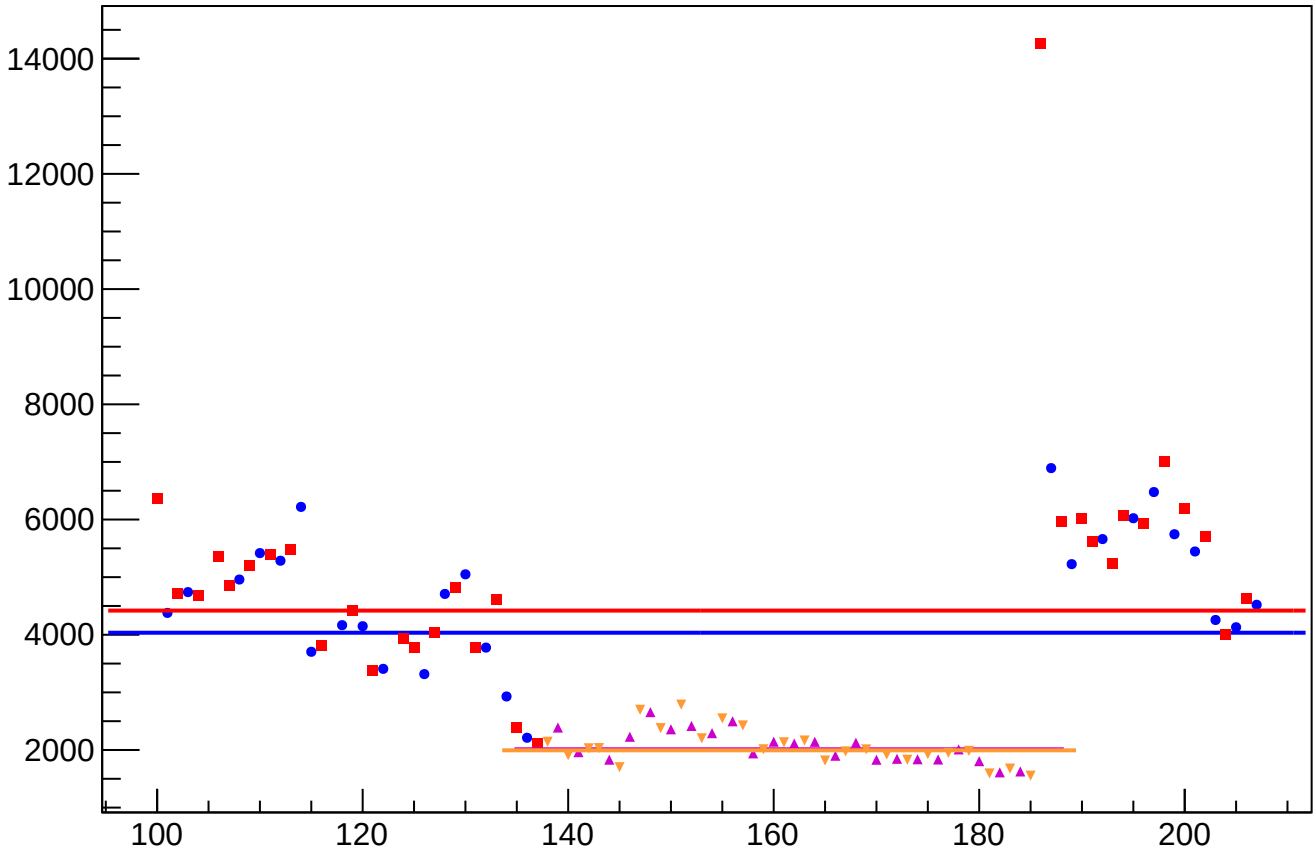
Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

Right: 936.031+/-790.804 χ^2/NDF: 63.1/56

In: 451.372+/-435.672 χ^2/NDF:68.4/48

Out: 441.439+/-425.698 χ^2/NDF:71.0/55

All: 446.291+/-304.479 χ^2/NDF: 139.5/104



Right In: 4035.395+/-0.775 χ^2/NDF: 2625221.0/25

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4419.578+/-0.808 χ^2/NDF: 2849982.3/30

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

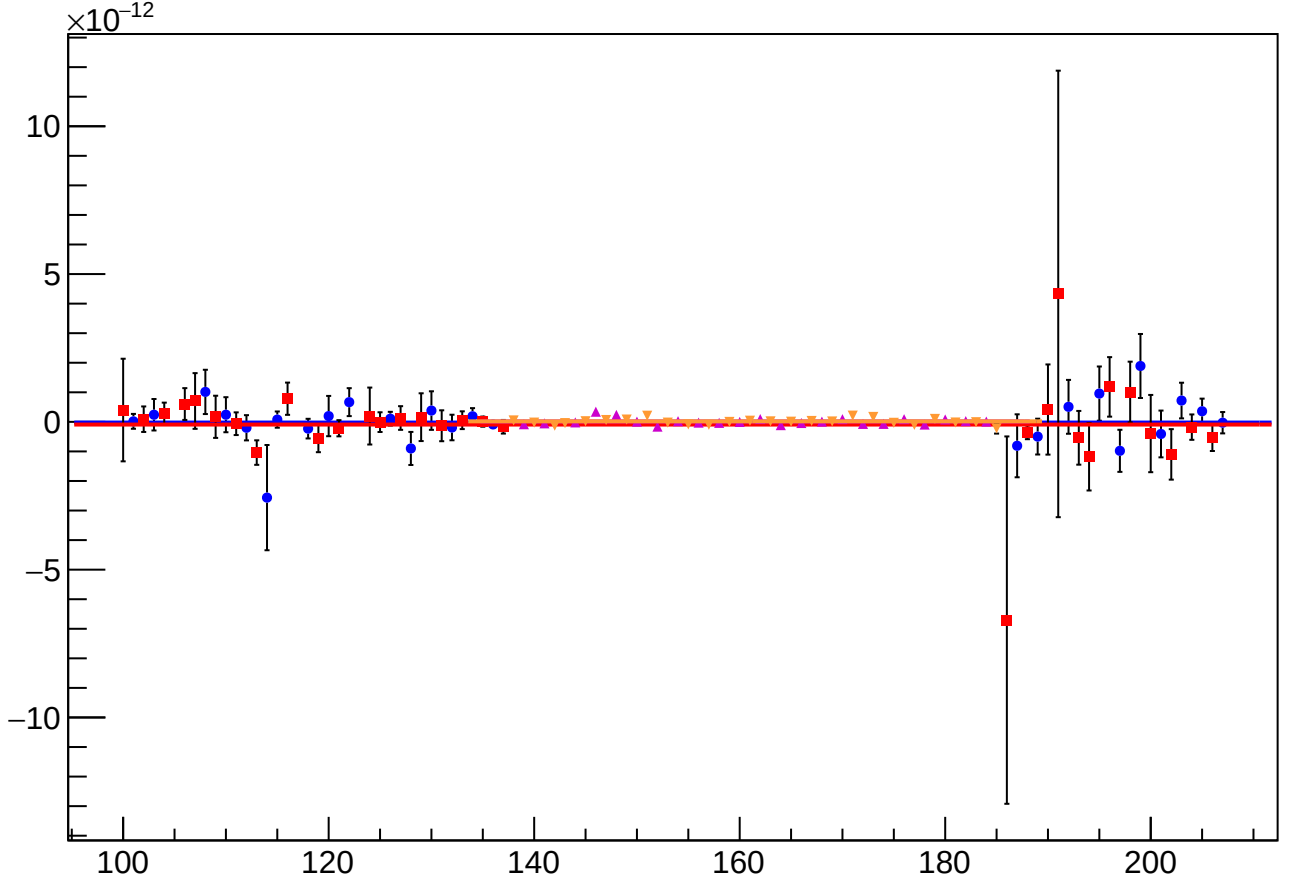
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4219.436+/-0.559 χ^2/NDF: 5593003.5/56

In: 2332.517+/-0.308 χ^2/NDF:8951109.6/48

Out: 2330.921+/-0.301 χ^2/NDF:11357286.1/55

All: 2331.701+/-0.215 χ^2/NDF: 20308409.4/1



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/25

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

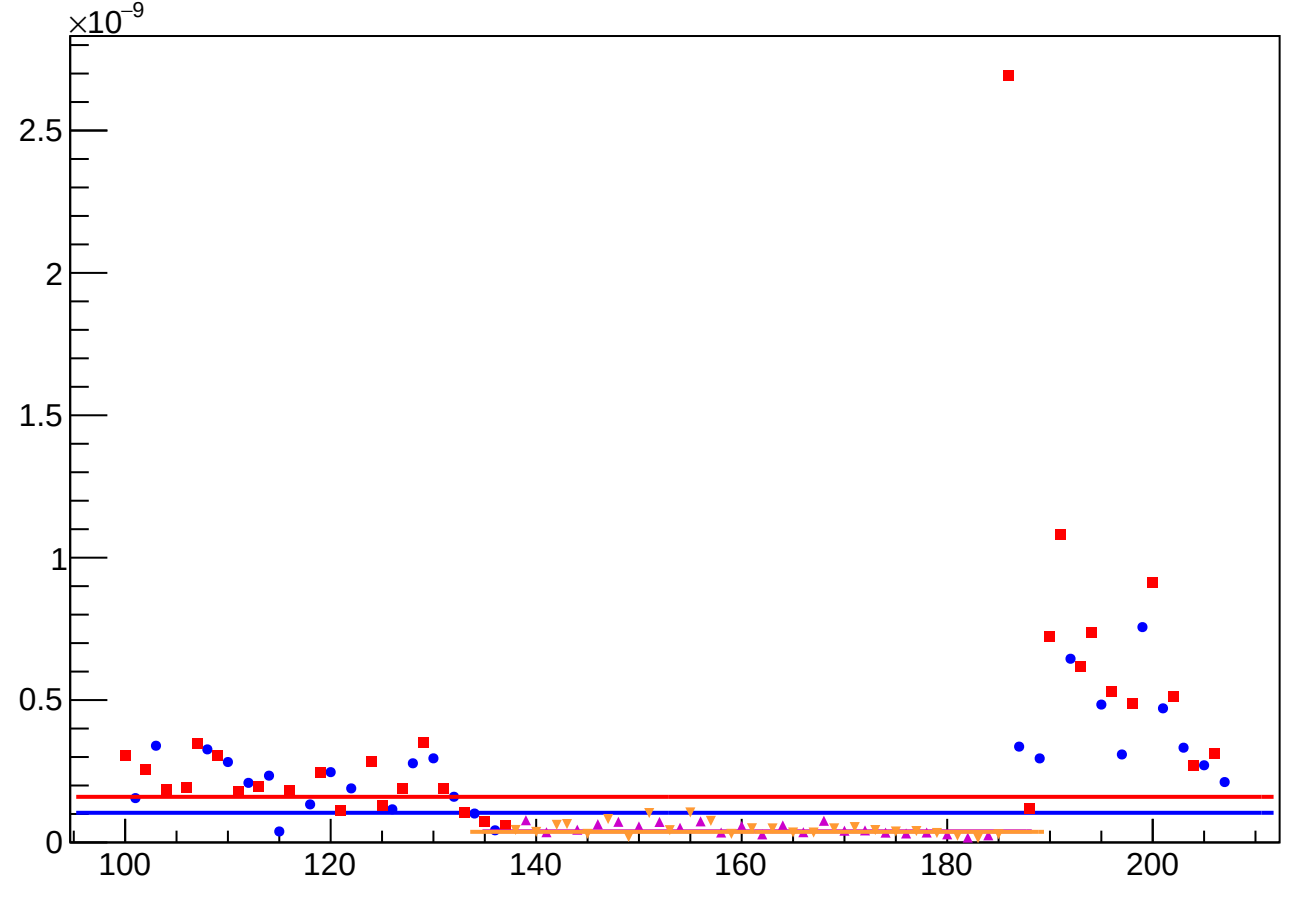
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 45.8/56

In: 0.000+/-0.000 χ^2/NDF:53.2/48

Out: 0.000+/-0.000 χ^2/NDF:46.3/55

All: 0.000+/-0.000 χ^2/NDF: 99.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 6380875.1/25

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5118565.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

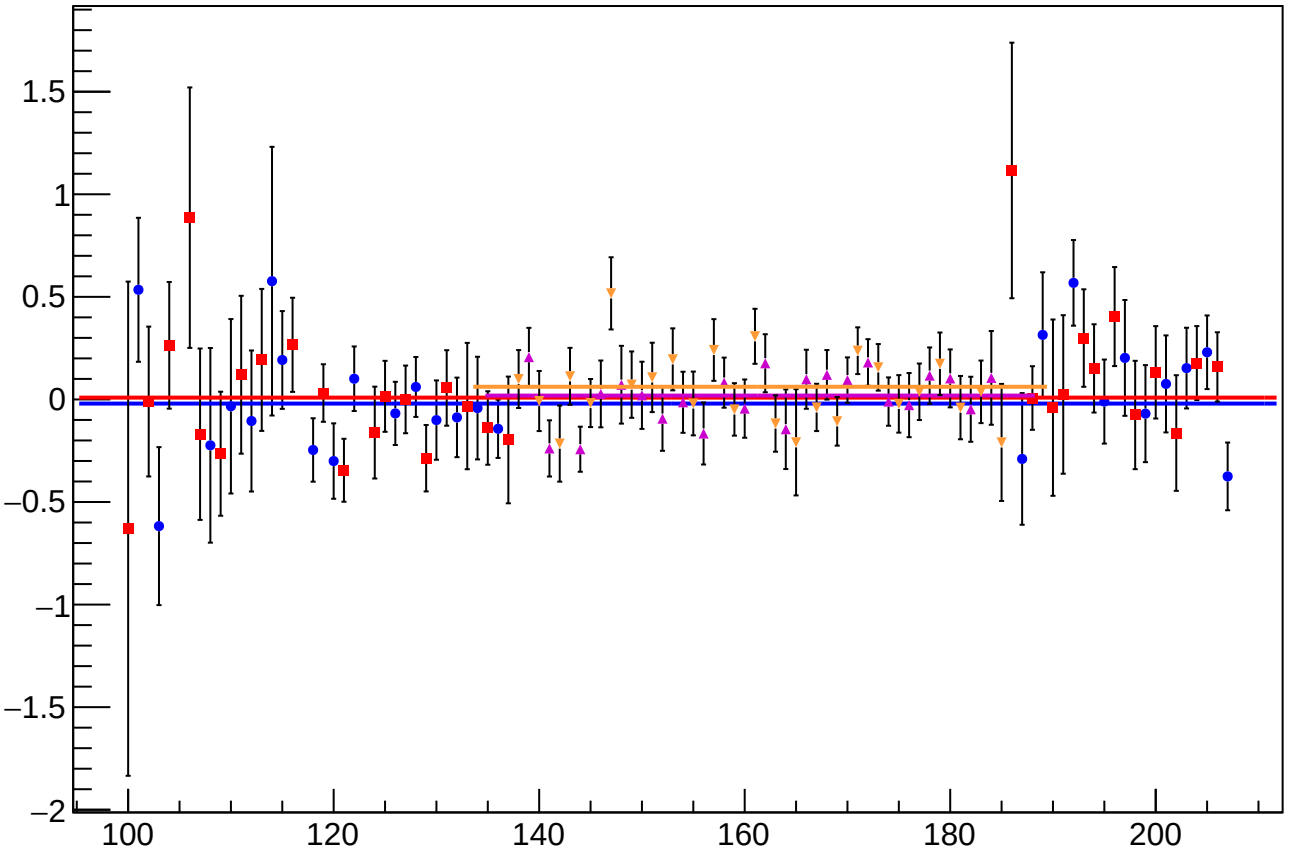
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12189483.4/56

In: 0.000+/-0.000 χ^2/NDF:10638692.5/48

Out: 0.000+/-0.000 χ^2/NDF:12489017.4/55

All: 0.000+/-0.000 χ^2/NDF: 23142084.9/104



Right In: -0.020+/-0.041 χ^2/NDF: 31.3/25

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

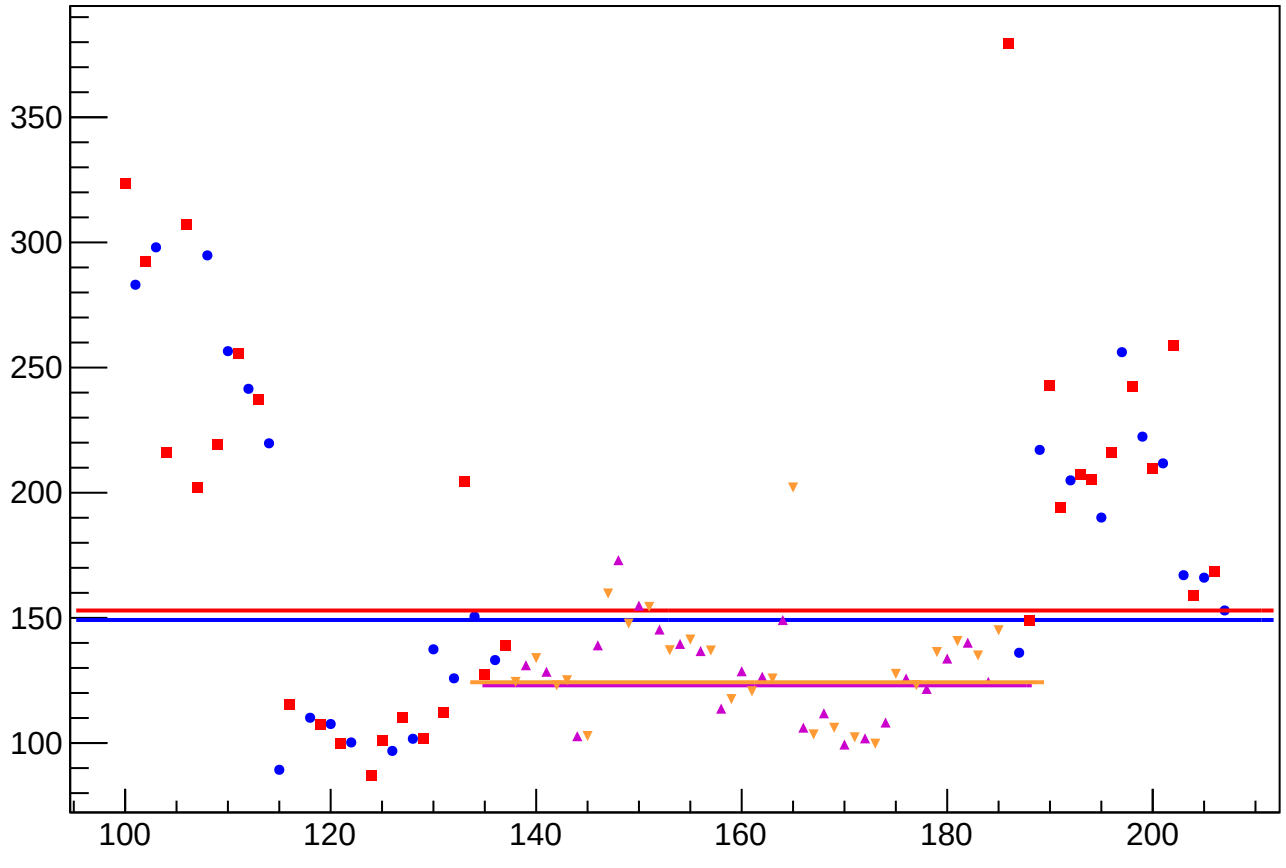
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.005+/-0.029 χ^2/NDF: 57.8/56

In: 0.006+/-0.024 χ^2/NDF:52.2/48

Out: 0.044+/-0.023 χ^2/NDF:54.7/55

All: 0.025+/-0.017 χ^2/NDF: 108.3/104



Right In: 149.168+/-0.029 χ^2/NDF: 3107173.5/25

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

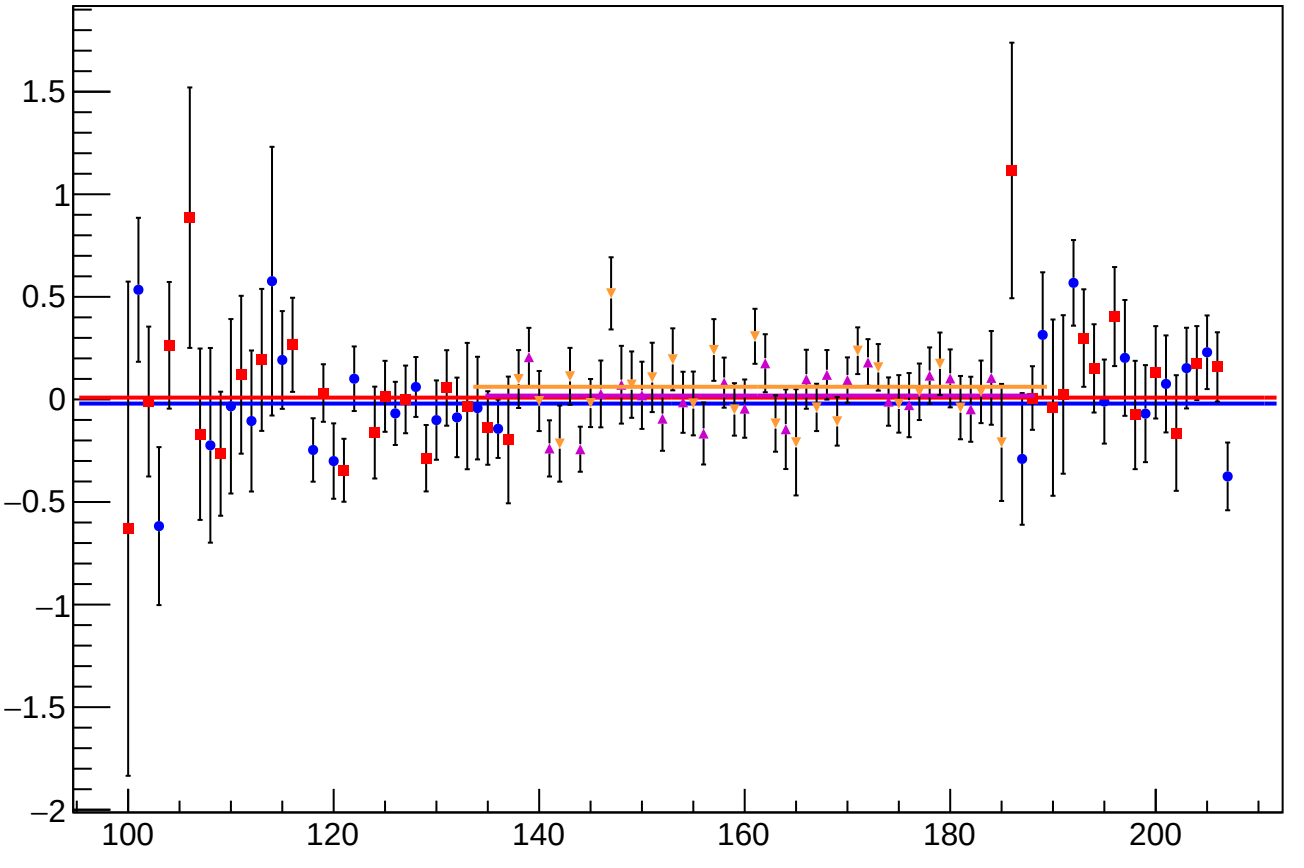
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 151.089+/-0.021 χ^2/NDF: 6815751.4/56

In: 131.774+/-0.017 χ^2/NDF:4354799.0/48

Out: 133.768+/-0.017 χ^2/NDF:5201411.5/55

All: 132.791+/-0.012 χ^2/NDF: 9563286.0/104



Right In: -0.020+/-0.041 χ^2/NDF: 31.3/25

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

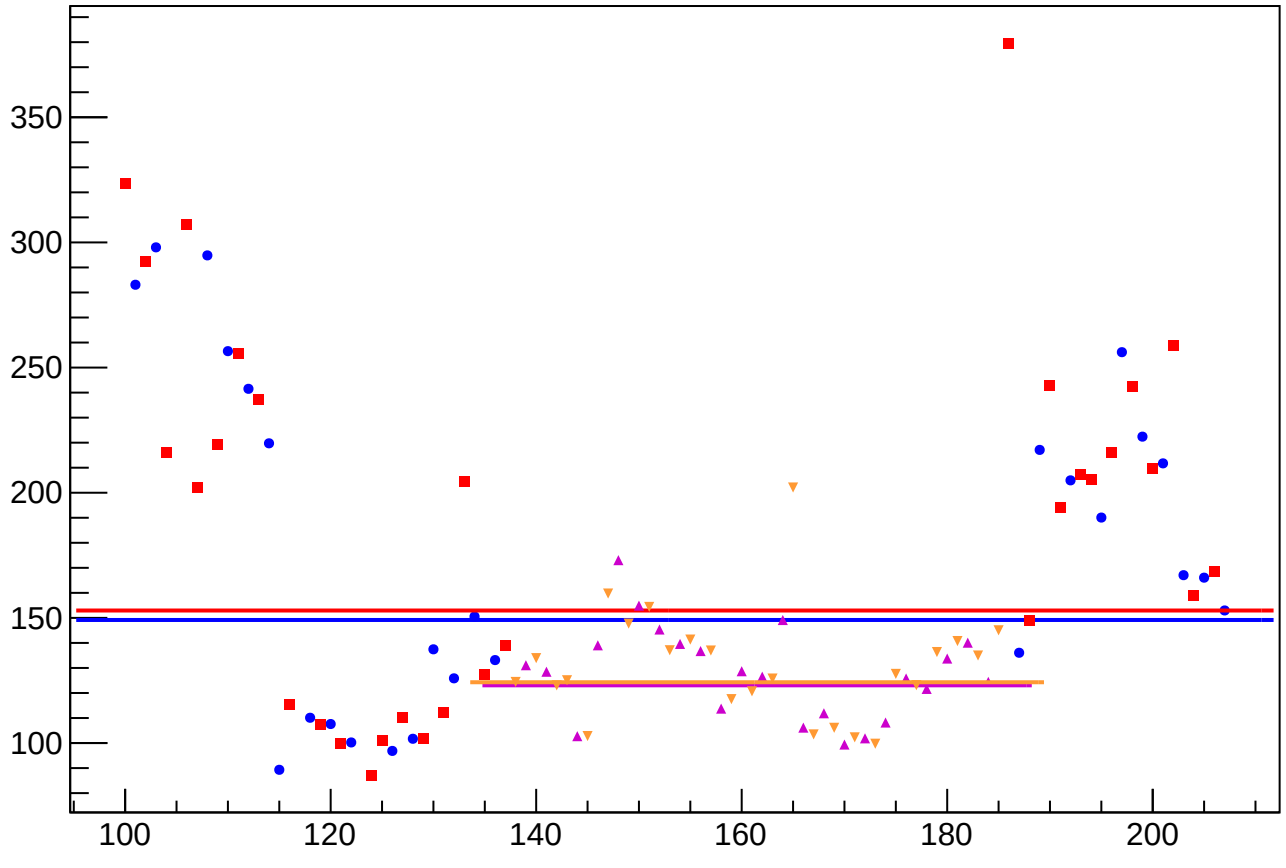
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.005+/-0.029 χ^2/NDF: 57.8/56

In: 0.006+/-0.024 χ^2/NDF:52.2/48

Out: 0.044+/-0.023 χ^2/NDF:54.7/55

All: 0.025+/-0.017 χ^2/NDF: 108.3/104



Right In: 149.168+/-0.029 χ^2/NDF: 3107173.5/25

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

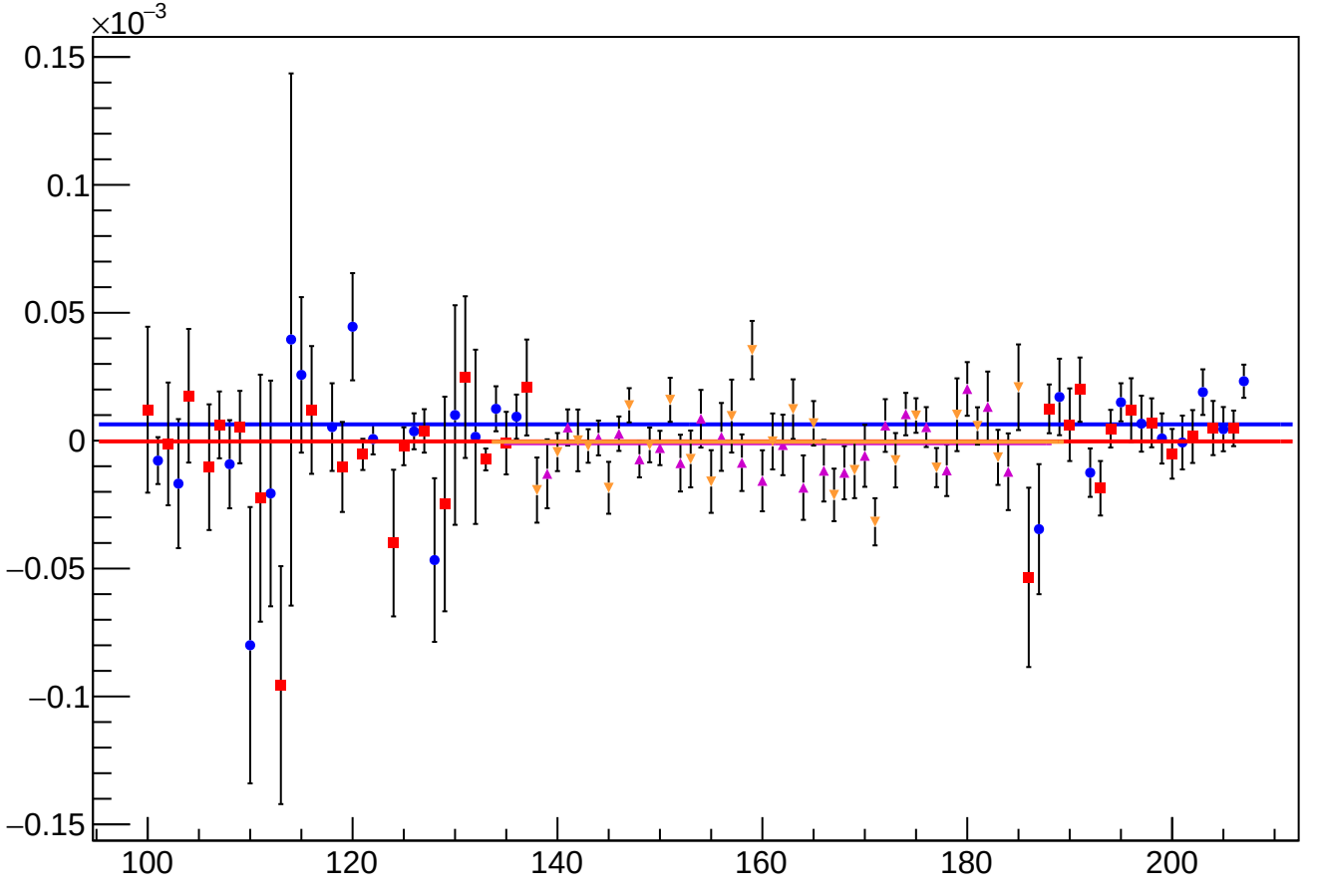
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 151.089+/-0.021 χ^2/NDF: 6815751.4/56

In: 131.774+/-0.017 χ^2/NDF:4354799.0/48

Out: 133.768+/-0.017 χ^2/NDF:5201411.5/55

All: 132.791+/-0.012 χ^2/NDF: 9563286.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/25

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

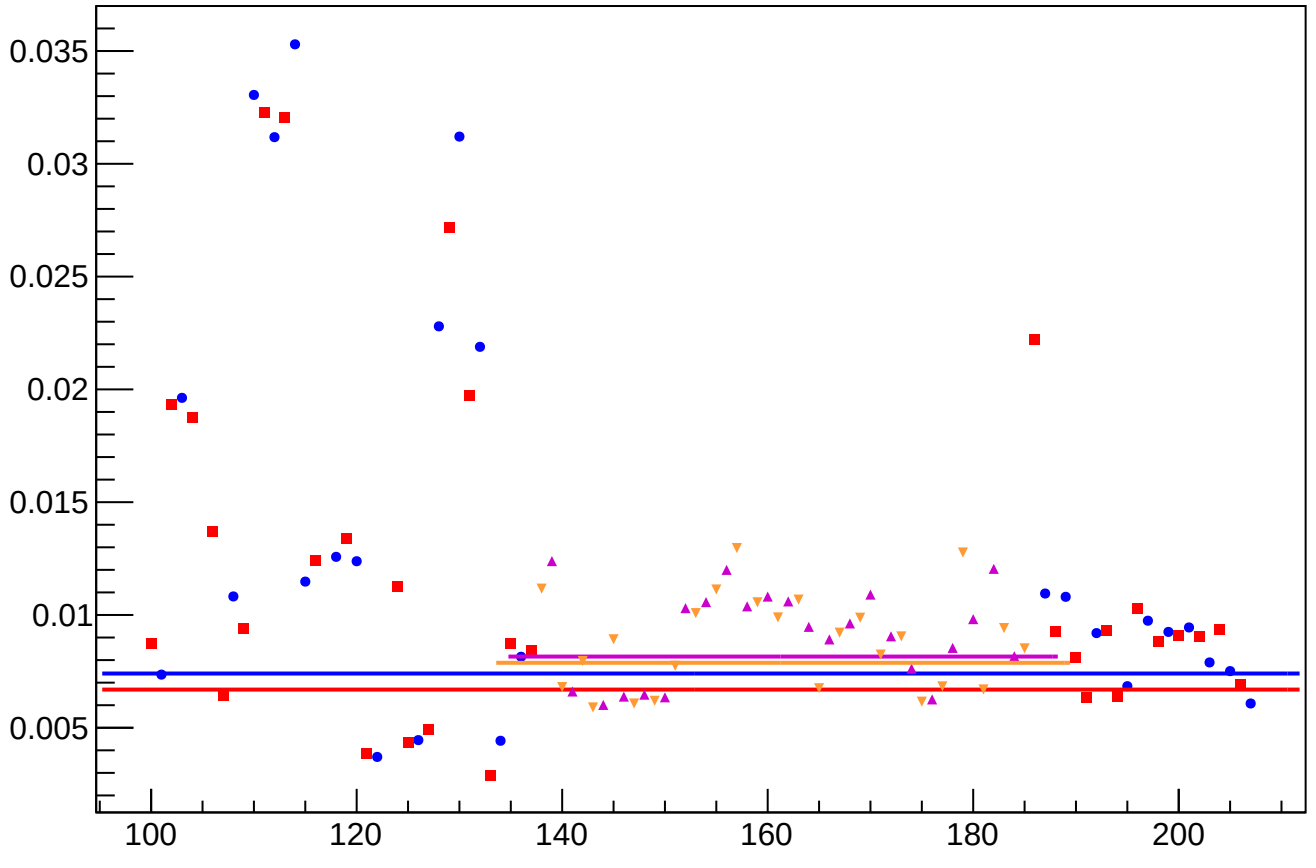
Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

Right: 0.000+/-0.000 χ^2/NDF: 65.4/56

In: 0.000+/-0.000 χ^2/NDF:59.5/48

Out: -0.000+/-0.000 χ^2/NDF:79.4/55

All: 0.000+/-0.000 χ^2/NDF: 140.8/104



Right In: 0.007+/-0.000 χ^2/NDF: 5405745.1/25

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

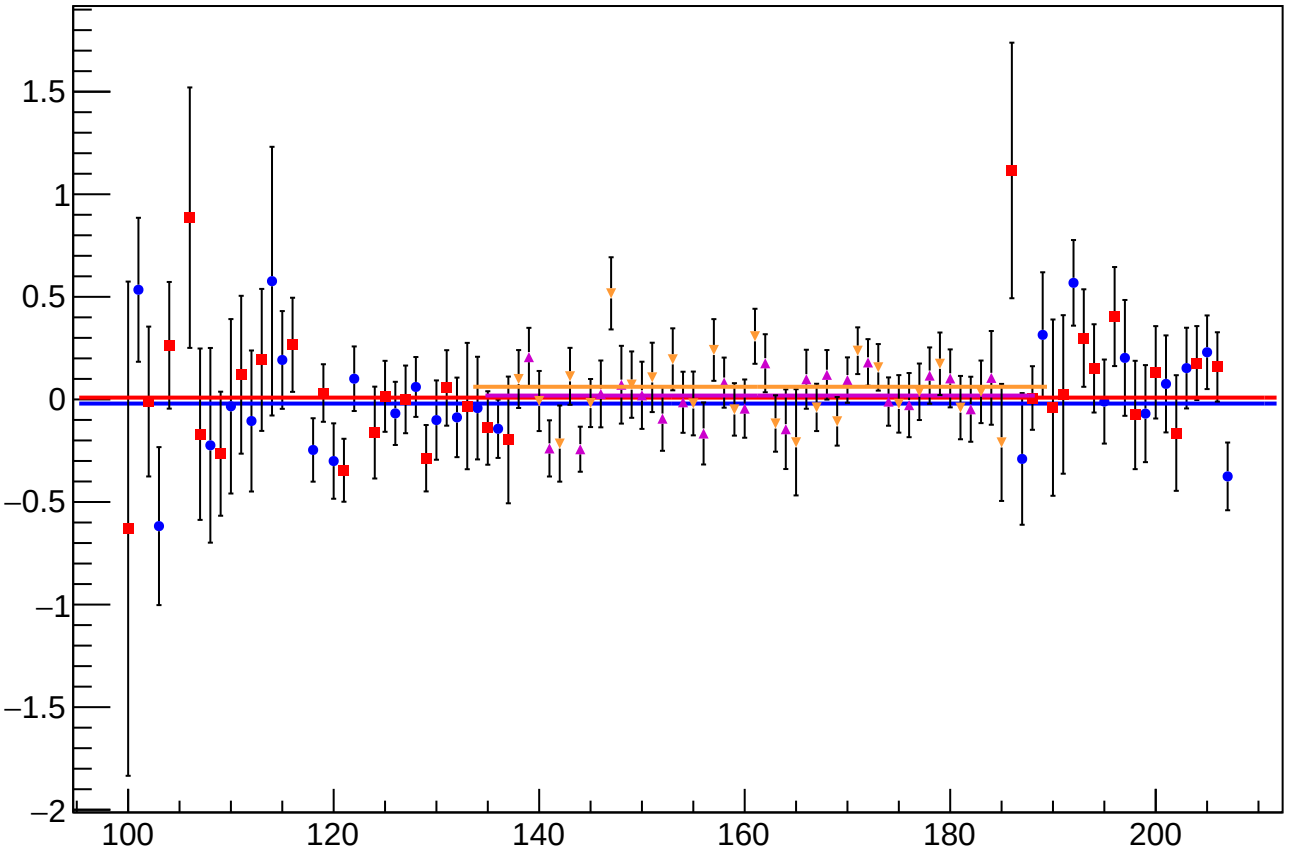
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12867529.9/56

In: 0.008+/-0.000 χ^2/NDF:7554504.2/48

Out: 0.007+/-0.000 χ^2/NDF:9810102.4/55

All: 0.008+/-0.000 χ^2/NDF: 17491182.0/104



Right In: -0.020+/-0.041 χ^2/NDF: 31.3/25

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

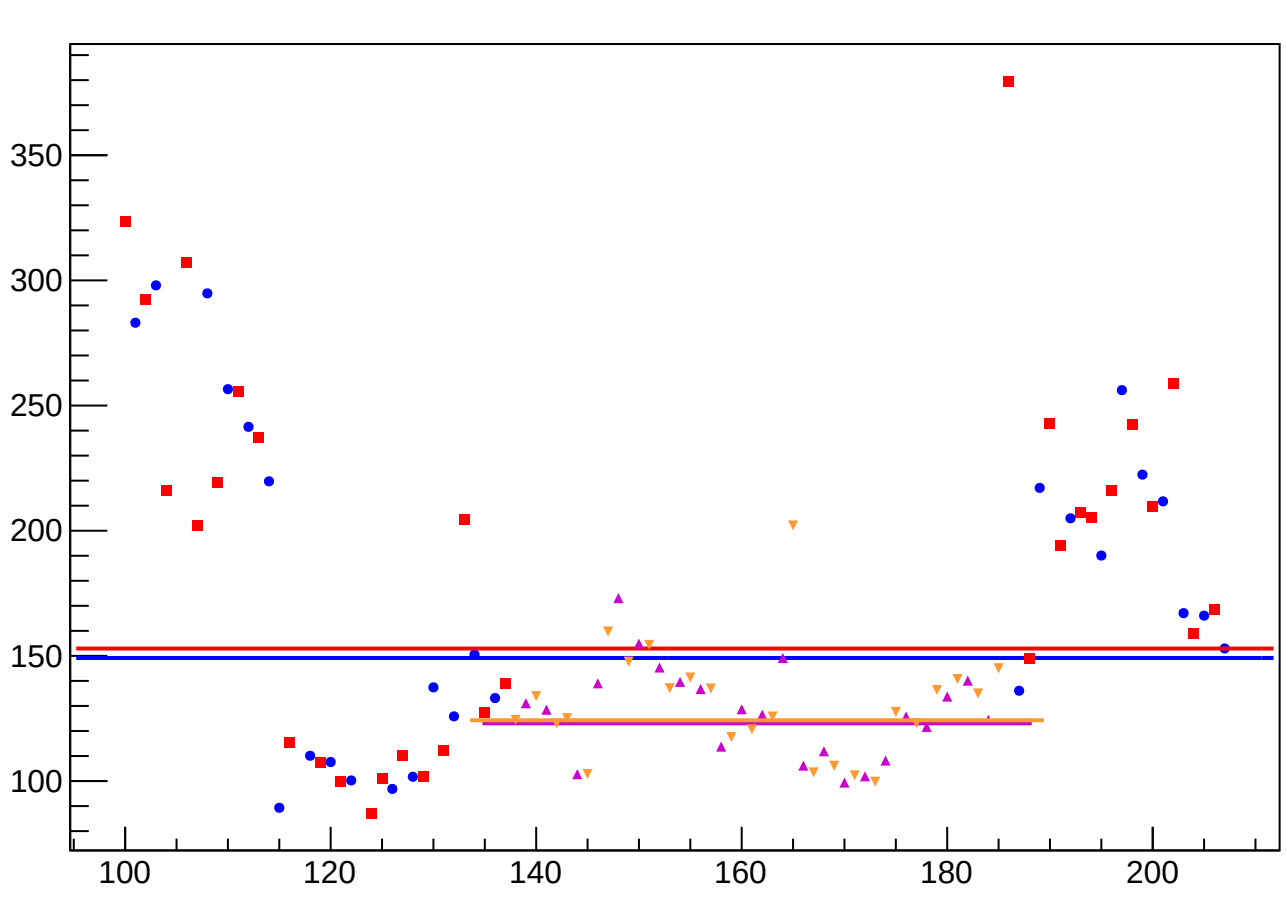
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: -0.005+/-0.029 χ^2/NDF: 57.8/56

In: 0.006+/-0.024 χ^2/NDF:52.2/48

Out: 0.044+/-0.023 χ^2/NDF:54.8/55

All: 0.025+/-0.017 χ^2/NDF: 108.3/104



Right In: 149.166+/-0.029 χ^2/NDF: 3107233.4/25

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

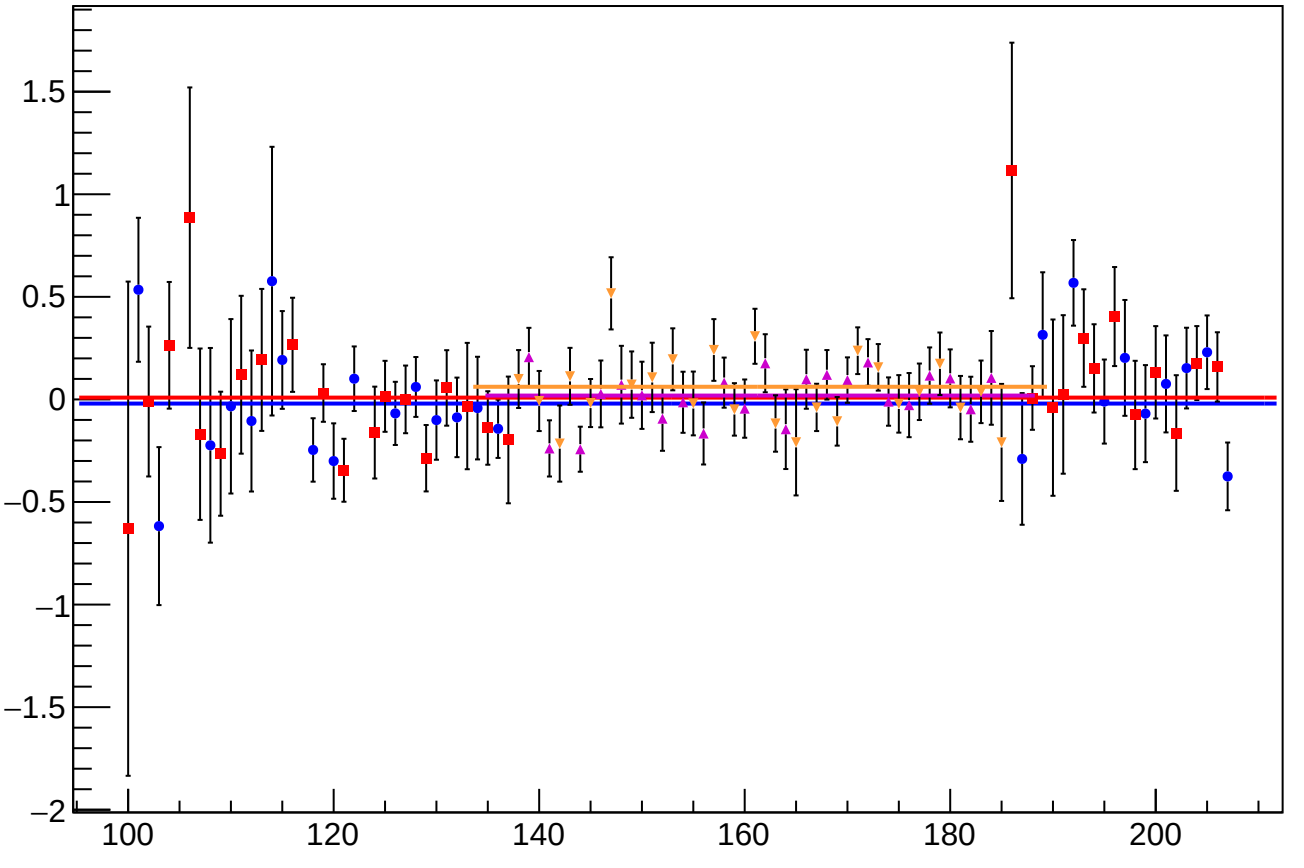
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

Right: 151.086+/-0.021 χ^2/NDF: 6815937.7/56

In: 131.774+/-0.017 χ^2/NDF:4354798.6/48

Out: 133.768+/-0.017 χ^2/NDF:5201494.5/55

All: 132.791+/-0.012 χ^2/NDF: 9563369.6/104



Right In: -0.020+/-0.041 χ^2/NDF: 31.3/25

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

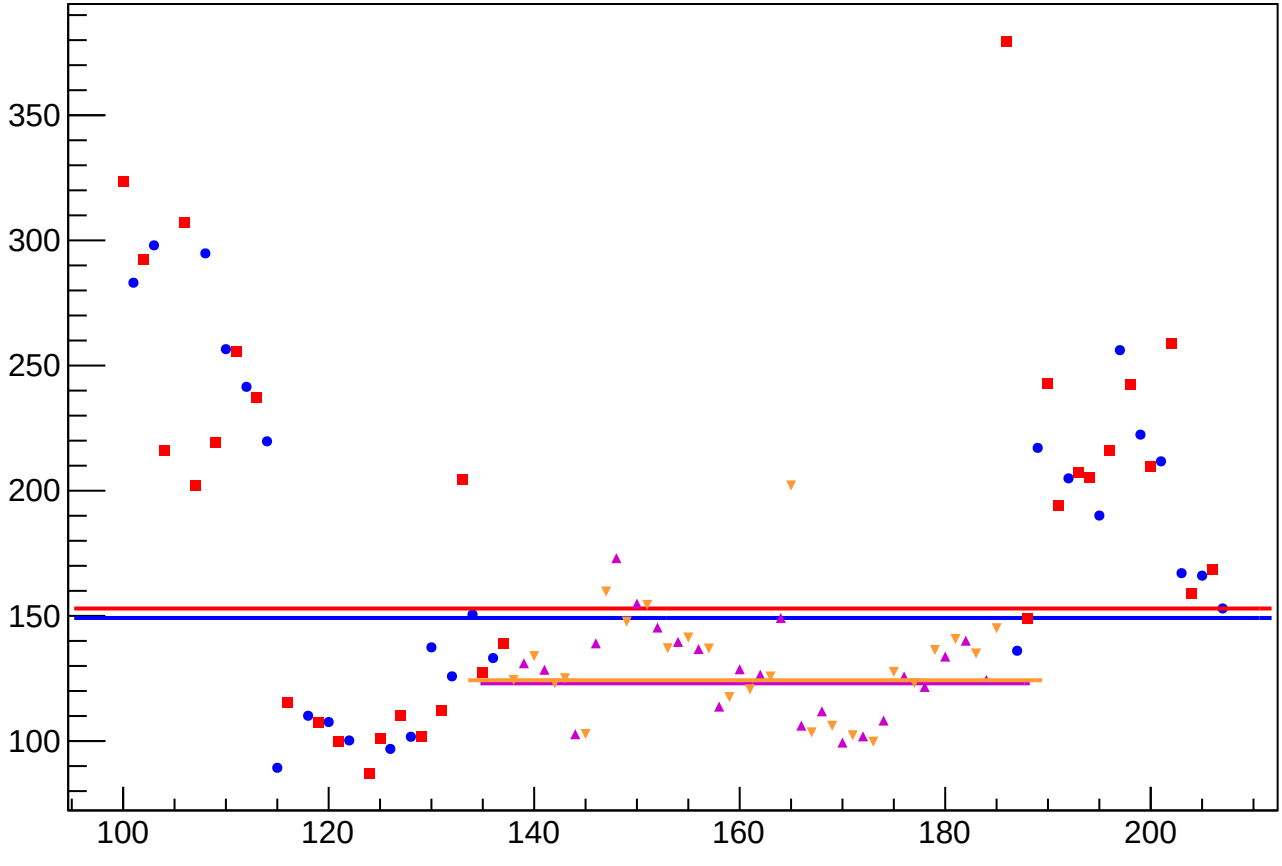
Right: -0.005+/-0.029 χ^2/NDF: 57.8/56

In: 0.006+/-0.024 χ^2/NDF:52.2/48

Out: 0.044+/-0.023 χ^2/NDF:54.8/55

All: 0.025+/-0.017 χ^2/NDF: 108.3/104

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 149.166+/-0.029 χ^2/NDF: 3107233.4/25

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

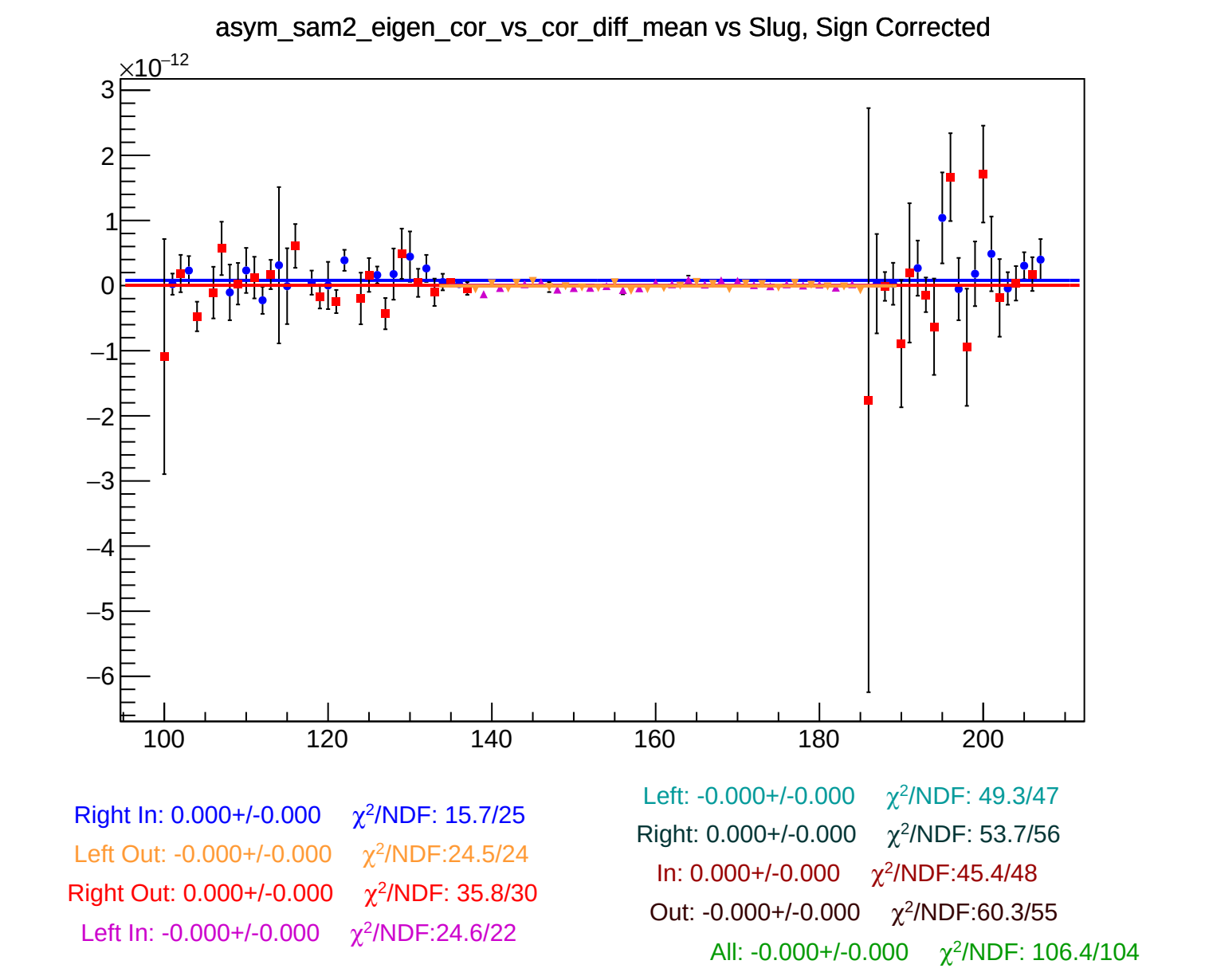
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

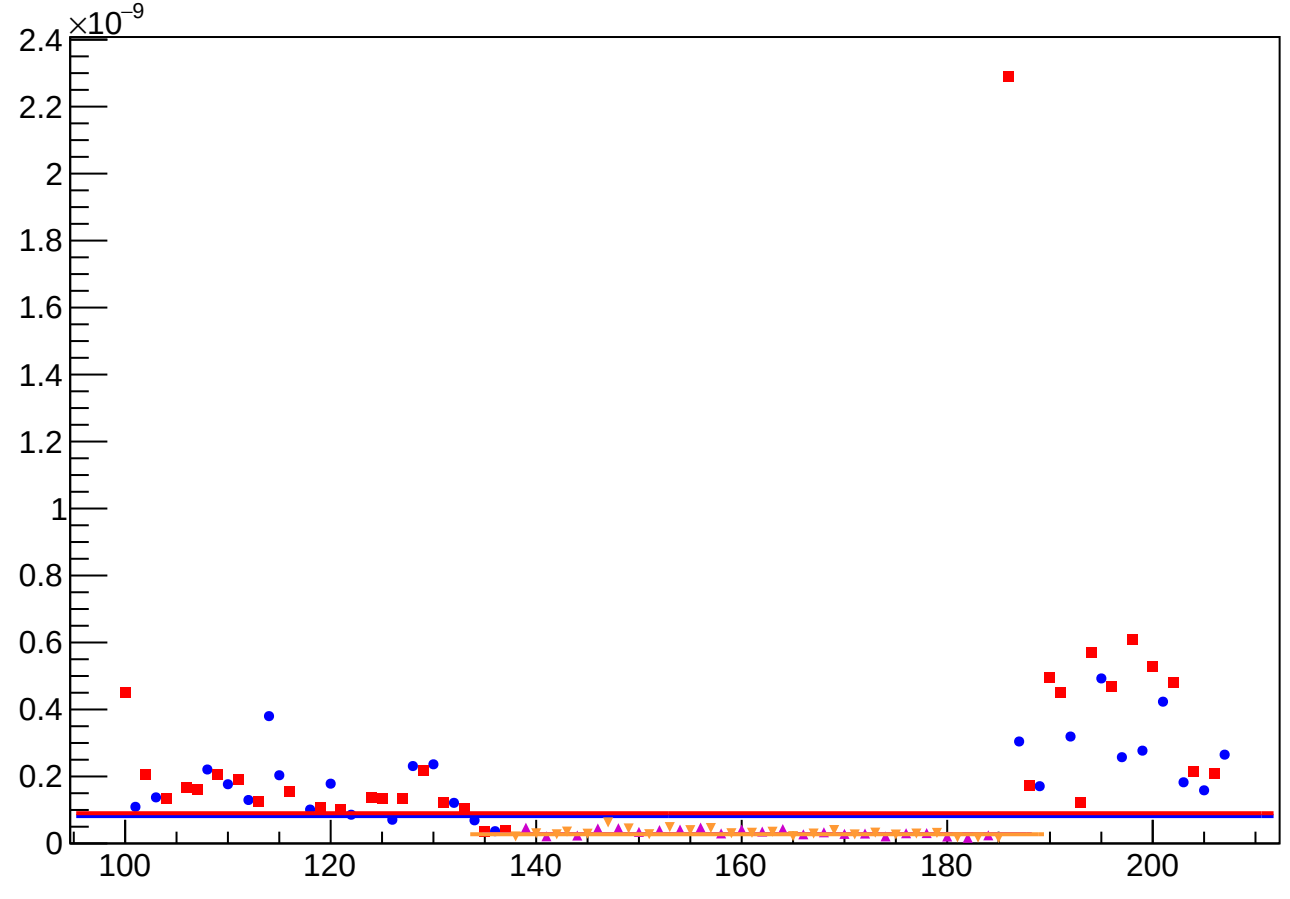
Right: 151.086+/-0.021 χ^2/NDF: 6815937.7/56

In: 131.774+/-0.017 χ^2/NDF:4354798.6/48

Out: 133.768+/-0.017 χ^2/NDF:5201494.5/55

All: 132.791+/-0.012 χ^2/NDF: 9563369.6/104


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: 15.7/25
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: 53.7/56
In: 0.000+/-0.000 χ²/NDF:45.4/48
Out: -0.000+/-0.000 χ²/NDF:60.3/55
All: -0.000+/-0.000 χ²/NDF: 106.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 7723343.6/25

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

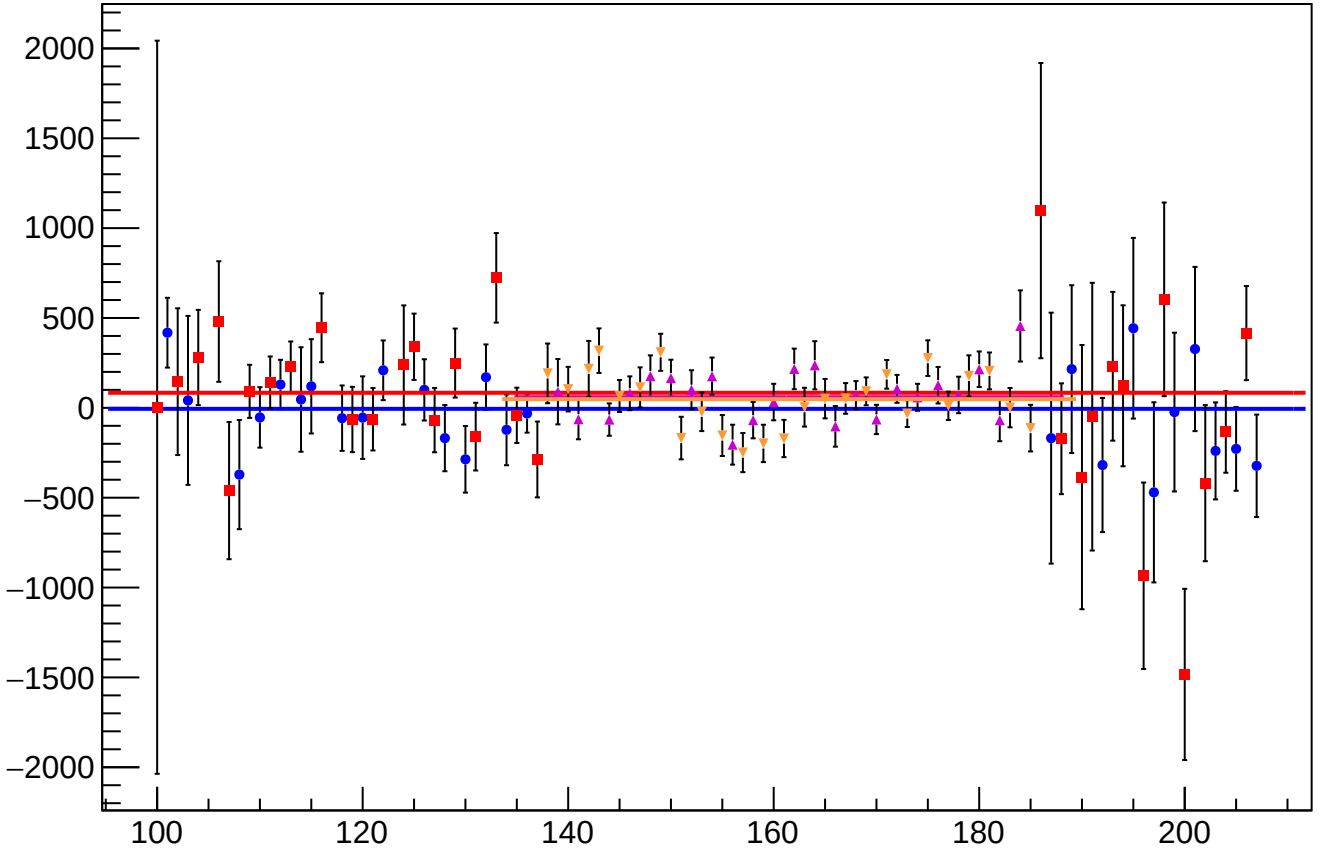
Right: 0.000+/-0.000 χ^2/NDF: 17683458.6/56

In: 0.000+/-0.000 χ^2/NDF:14478206.6/48

Out: 0.000+/-0.000 χ^2/NDF:17738417.1/55

All: 0.000+/-0.000 χ^2/NDF: 32231538.9/104

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: -5.509+/-42.454 χ^2/NDF: 20.2/25

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

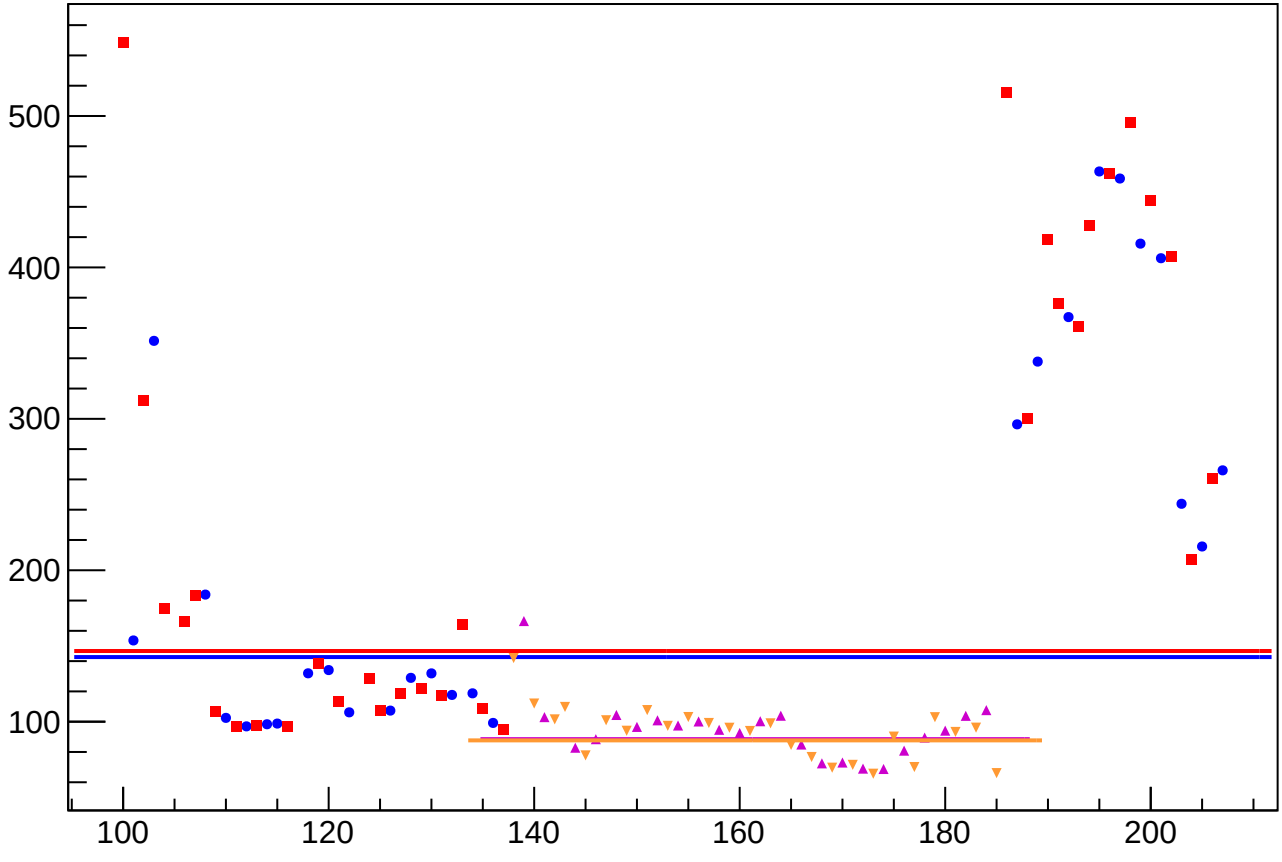
Right: 39.105+/-30.037 χ^2/NDF: 70.5/56

In: 46.178+/-18.935 χ^2/NDF:52.7/48

Out: 55.038+/-18.408 χ^2/NDF:102.2/55

All: 50.733+/-13.199 χ^2/NDF: 154.9/104

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 142.672+/-0.030 χ^2/NDF: 6545441.2/25

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

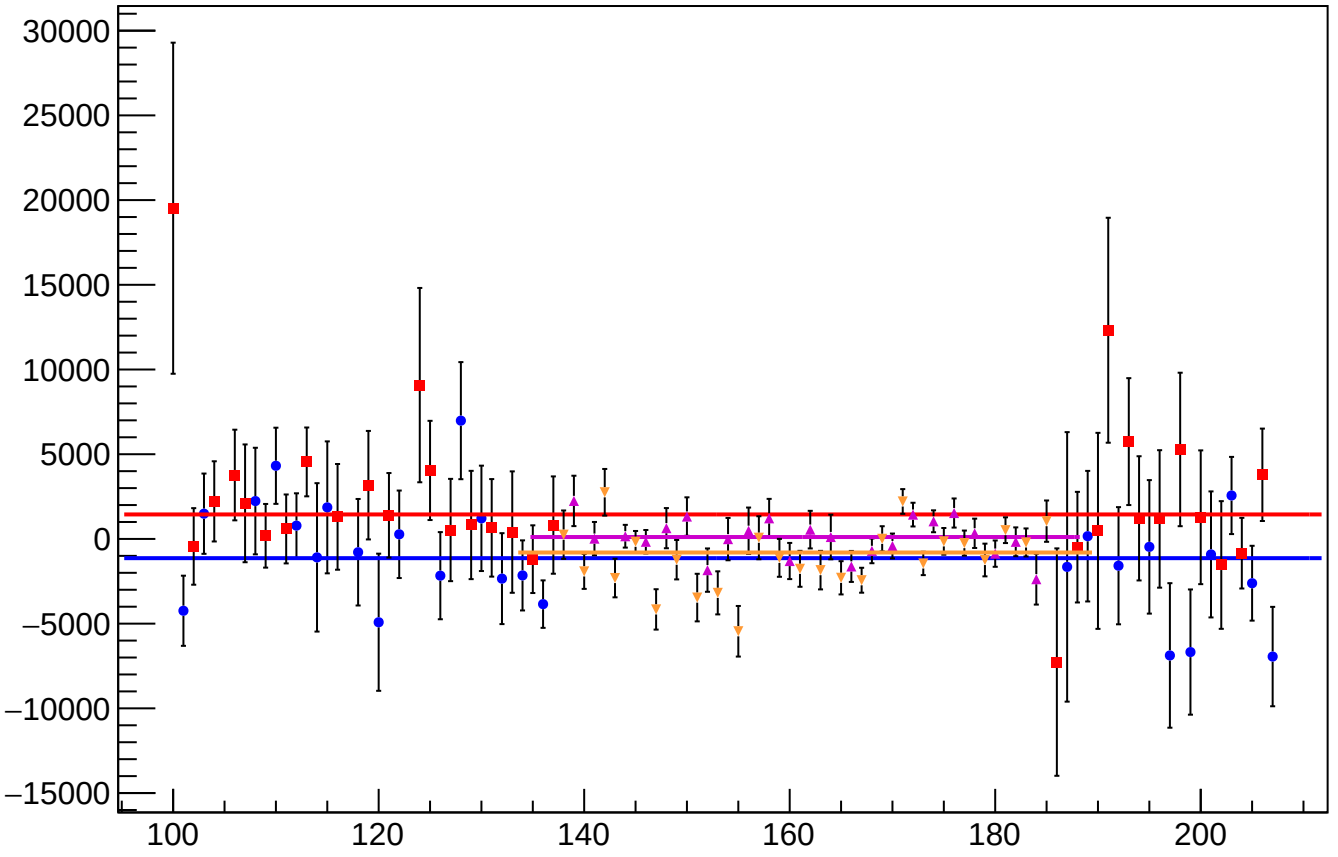
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 144.671+/-0.021 χ^2/NDF: 14607084.8/56

In: 99.263+/-0.013 χ^2/NDF:10231510.4/48

Out: 98.727+/-0.013 χ^2/NDF:12399044.1/55

All: 98.987+/-0.009 χ^2/NDF: 22631378.4/104



Right In: -1135.156+/-528.463 χ^2/NDF: 35.0/25

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

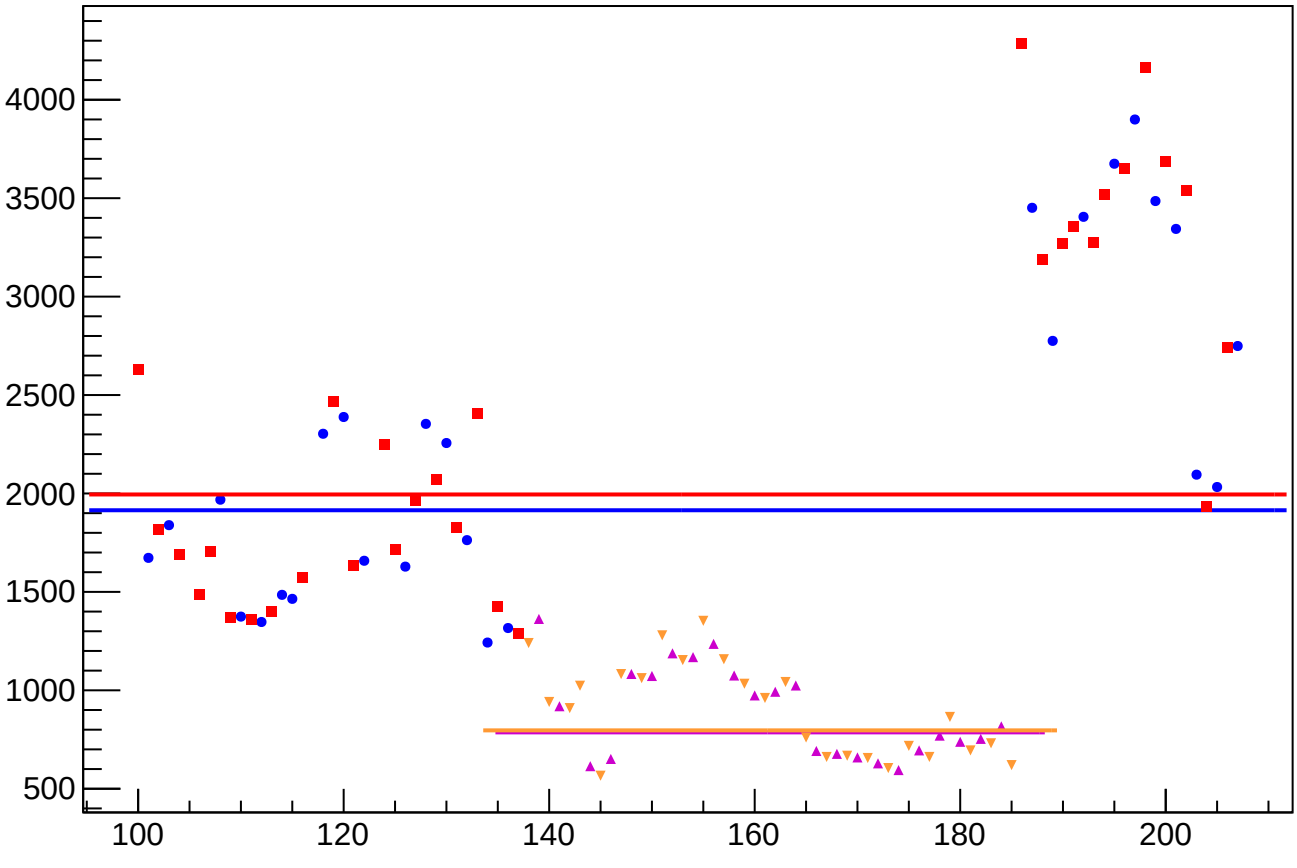
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 155.634+/-373.616 χ^2/NDF: 69.2/56

In: -30.690+/-179.020 χ^2/NDF:67.0/48

Out: -549.504+/-176.914 χ^2/NDF:110.2/55

All: -293.166+/-125.835 χ^2/NDF: 181.4/104



Right In: 1914.726+/-0.374 χ^2/NDF: 3324023.2/25

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

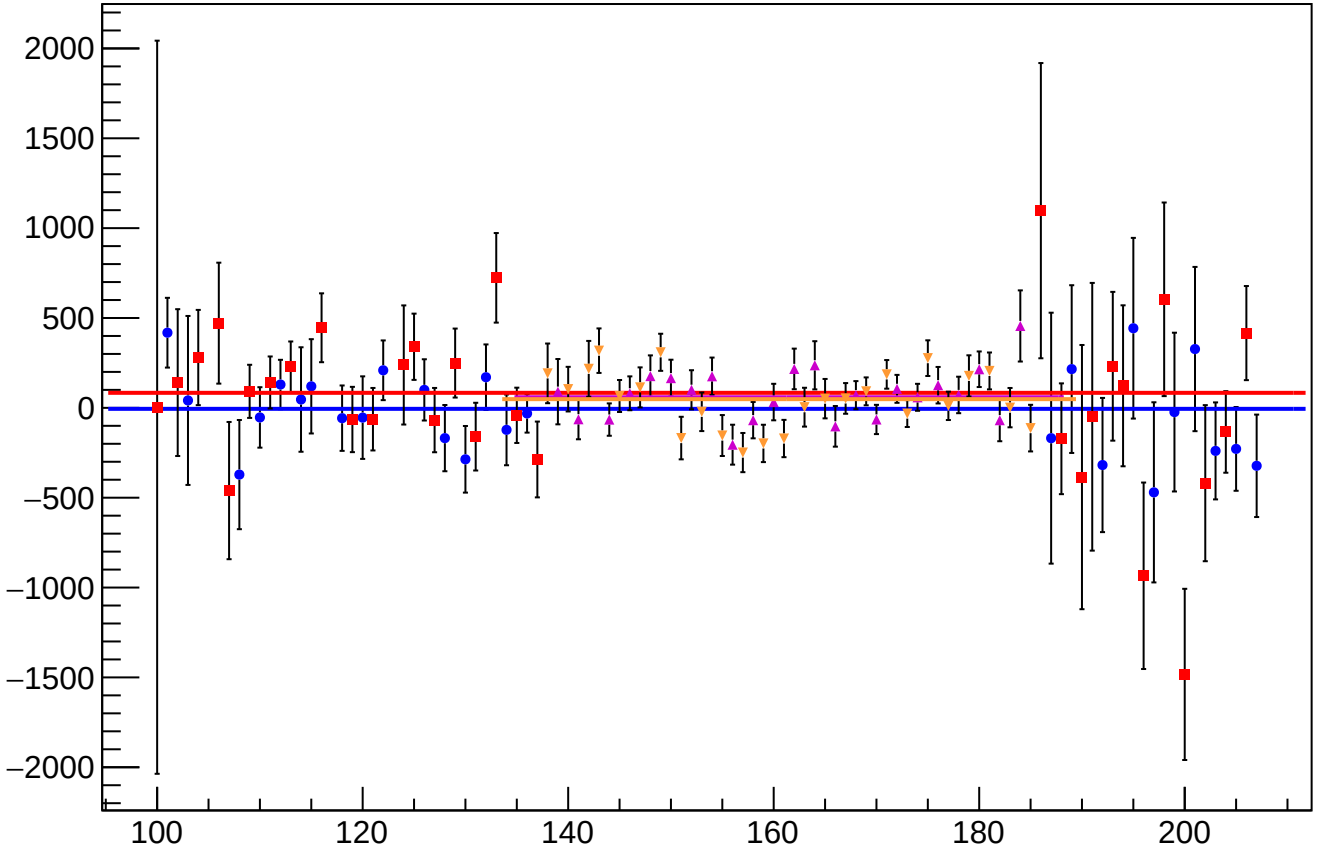
Right: 1954.820+/-0.264 χ^2/NDF: 7446908.6/56

In: 915.824+/-0.127 χ^2/NDF:13552643.4/48

Out: 930.918+/-0.125 χ^2/NDF:15654973.8/55

All: 923.460+/-0.089 χ^2/NDF: 29214809.6/10

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: -5.524+/-42.454 χ^2/NDF: 20.2/25

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

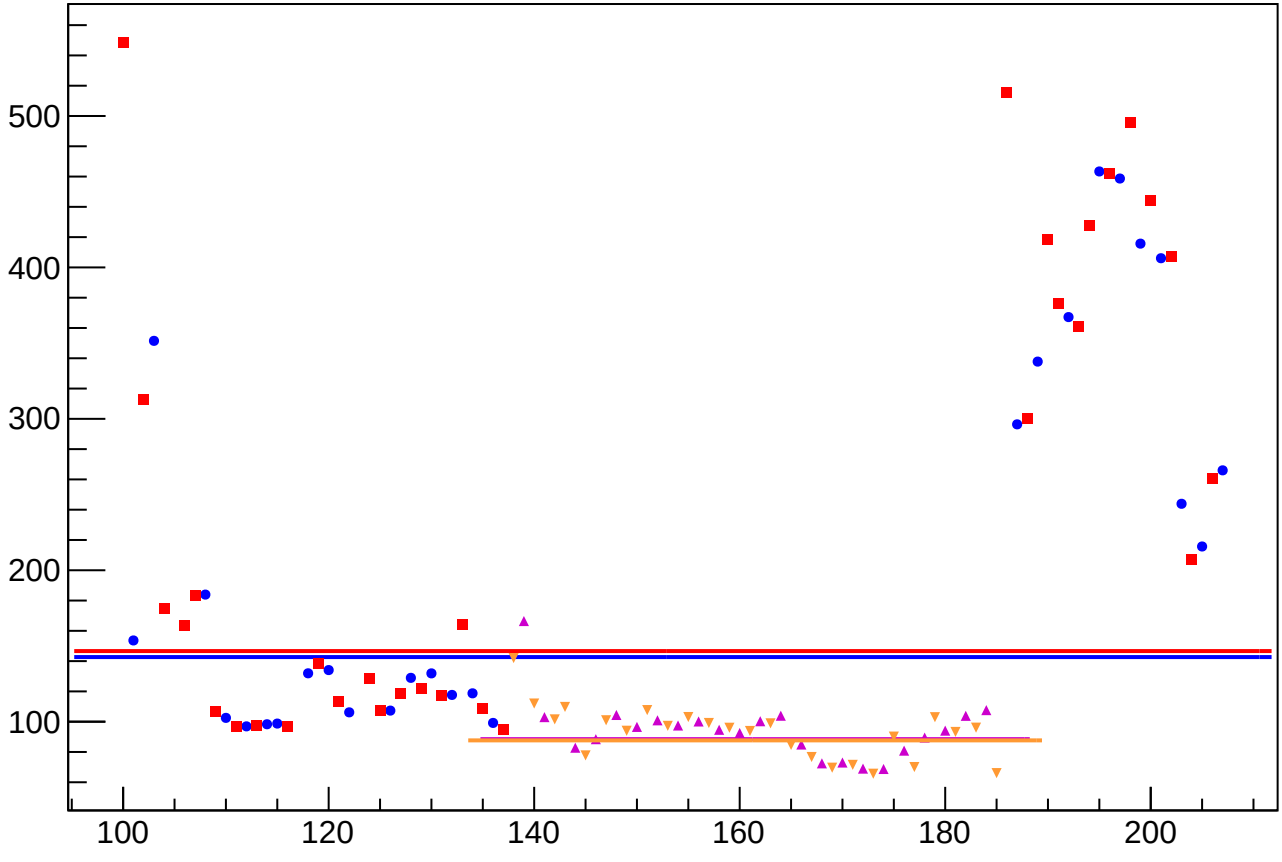
Right: 38.972+/-30.038 χ^2/NDF: 70.4/56

In: 46.177+/-18.935 χ^2/NDF:52.7/48

Out: 54.997+/-18.408 χ^2/NDF:102.1/55

All: 50.712+/-13.199 χ^2/NDF: 154.9/104

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 142.672+/-0.030 χ^2/NDF: 6545443.6/25

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

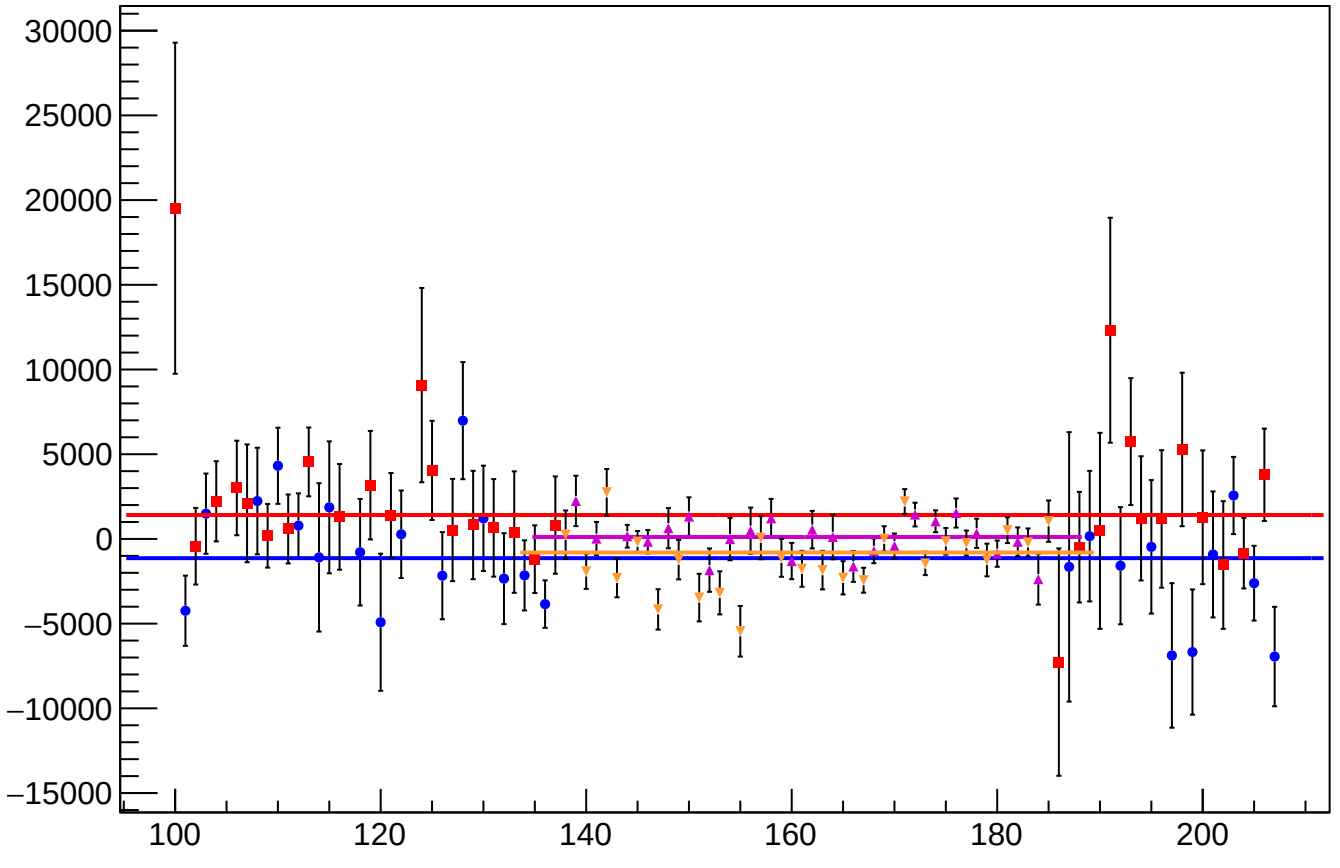
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 144.651+/-0.021 χ^2/NDF: 14605431.4/56

In: 99.263+/-0.013 χ^2/NDF:10231512.1/48

Out: 98.718+/-0.013 χ^2/NDF:12392898.5/55

All: 98.983+/-0.009 χ^2/NDF: 22625261.7/104



Right In: -1135.146+/-528.465 χ^2/NDF: 35.0/25

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

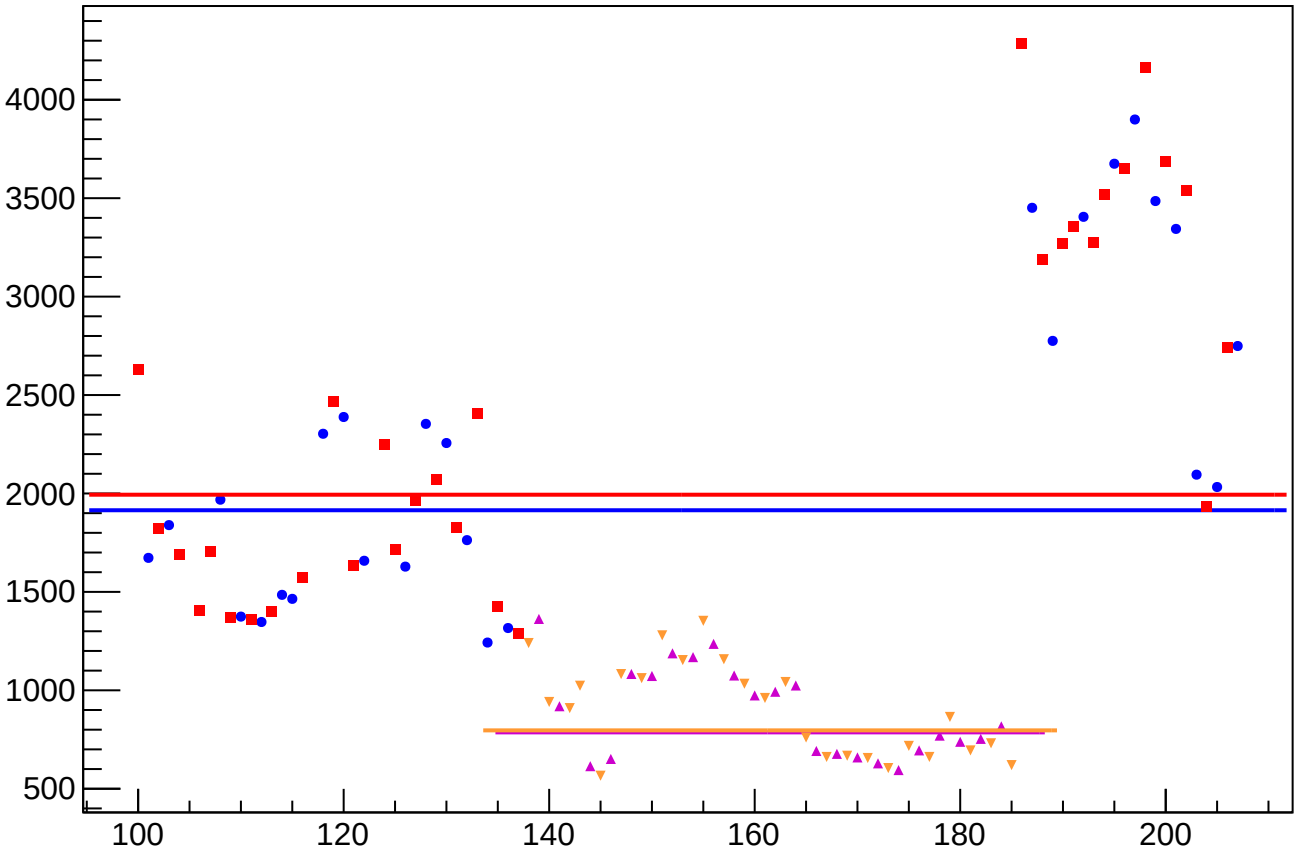
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 136.634+/-373.921 χ^2/NDF: 68.4/56

In: -30.686+/-179.020 χ^2/NDF:67.0/48

Out: -554.011+/-176.946 χ^2/NDF:109.2/55

All: -295.397+/-125.847 χ^2/NDF: 180.5/104



Right In: 1914.736+/-0.374 χ^2/NDF: 3324016.3/25

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

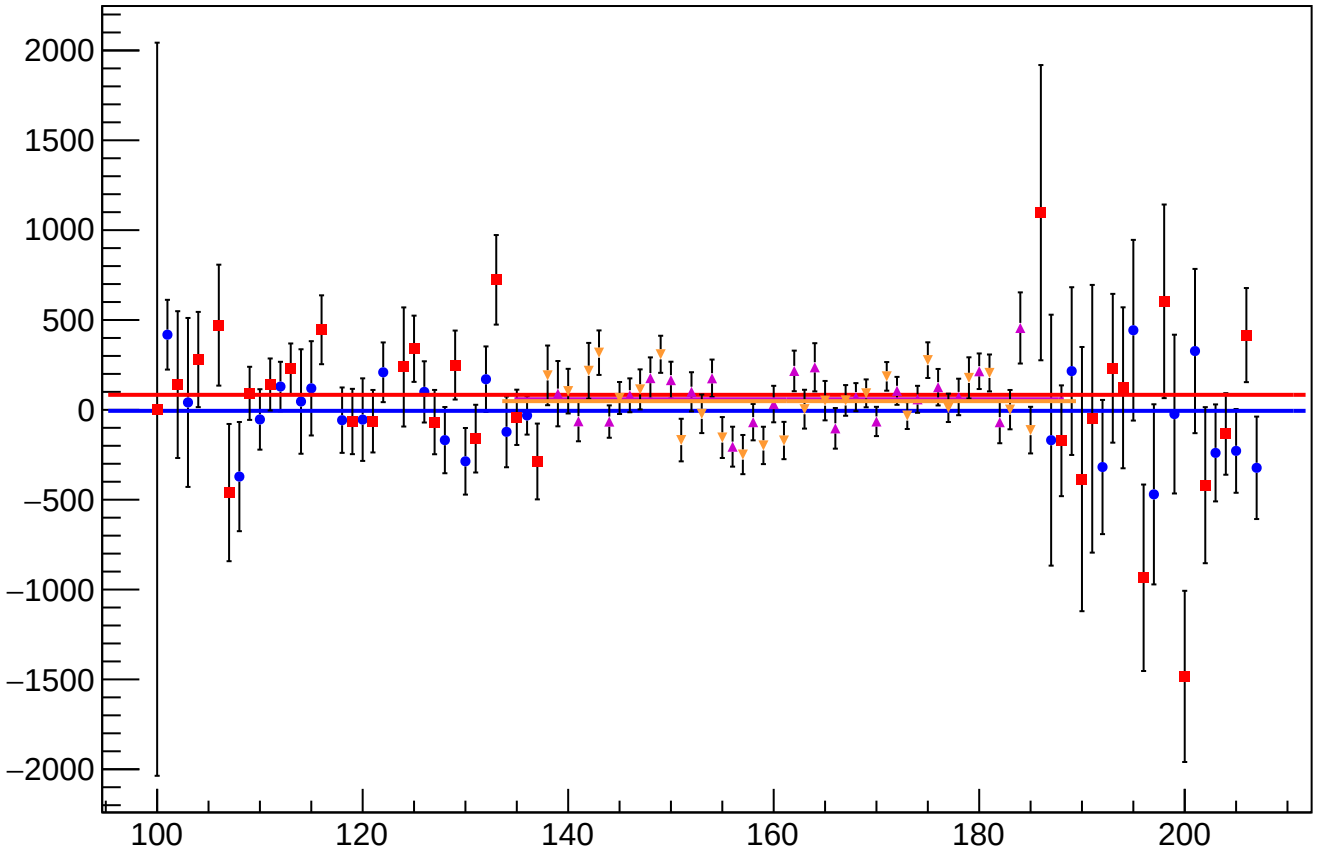
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1954.155+/-0.264 χ^2/NDF: 7462934.8/56

In: 915.825+/-0.127 χ^2/NDF:13552700.7/48

Out: 930.394+/-0.125 χ^2/NDF:15626977.5/55

All: 923.194+/-0.089 χ^2/NDF: 29186379.2/10



Right In: -5.524+/-42.454 χ^2/NDF: 20.2/25

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

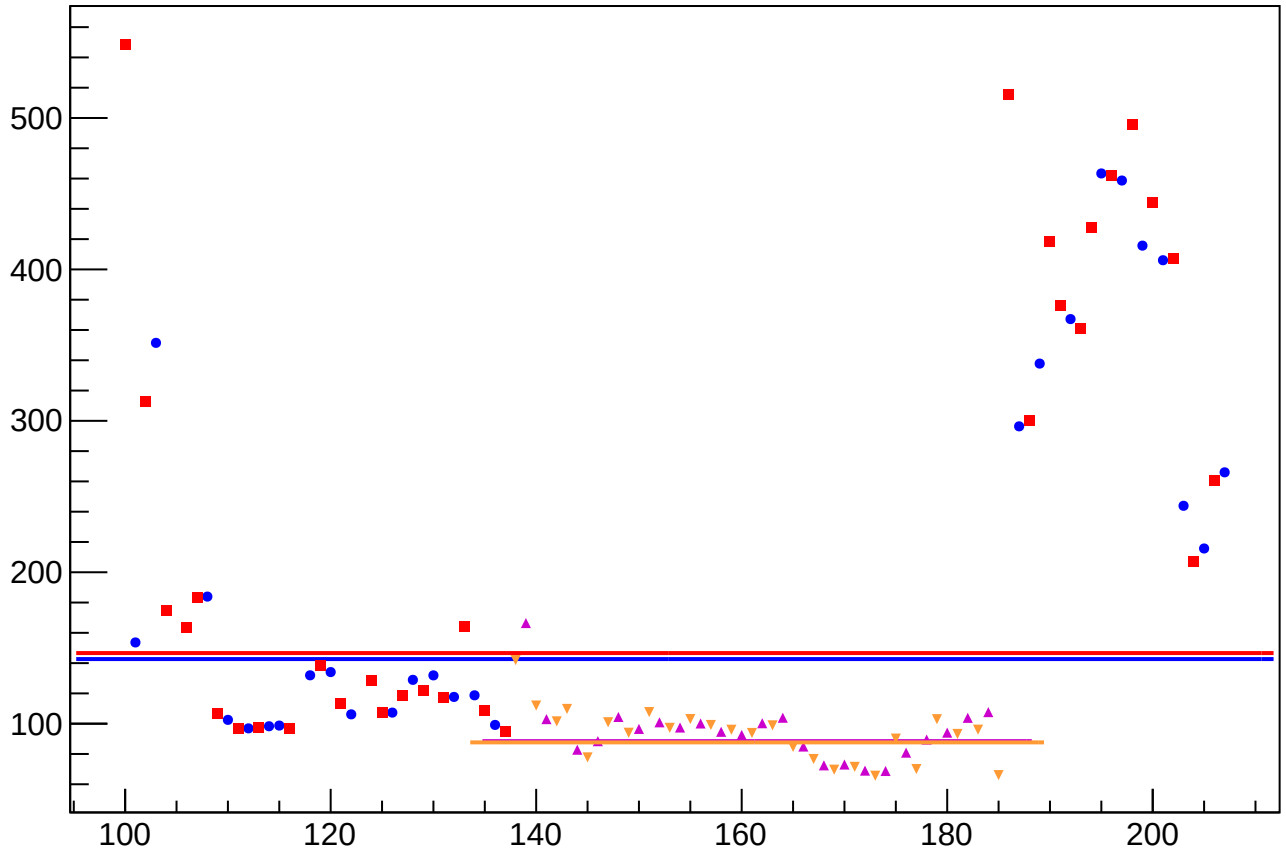
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 38.972+/-30.038 χ^2/NDF: 70.4/56

In: 46.177+/-18.935 χ^2/NDF:52.7/48

Out: 54.997+/-18.408 χ^2/NDF:102.1/55

All: 50.712+/-13.199 χ^2/NDF: 154.9/104



Right In: 142.672+/-0.030 χ^2/NDF: 6545443.6/25

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

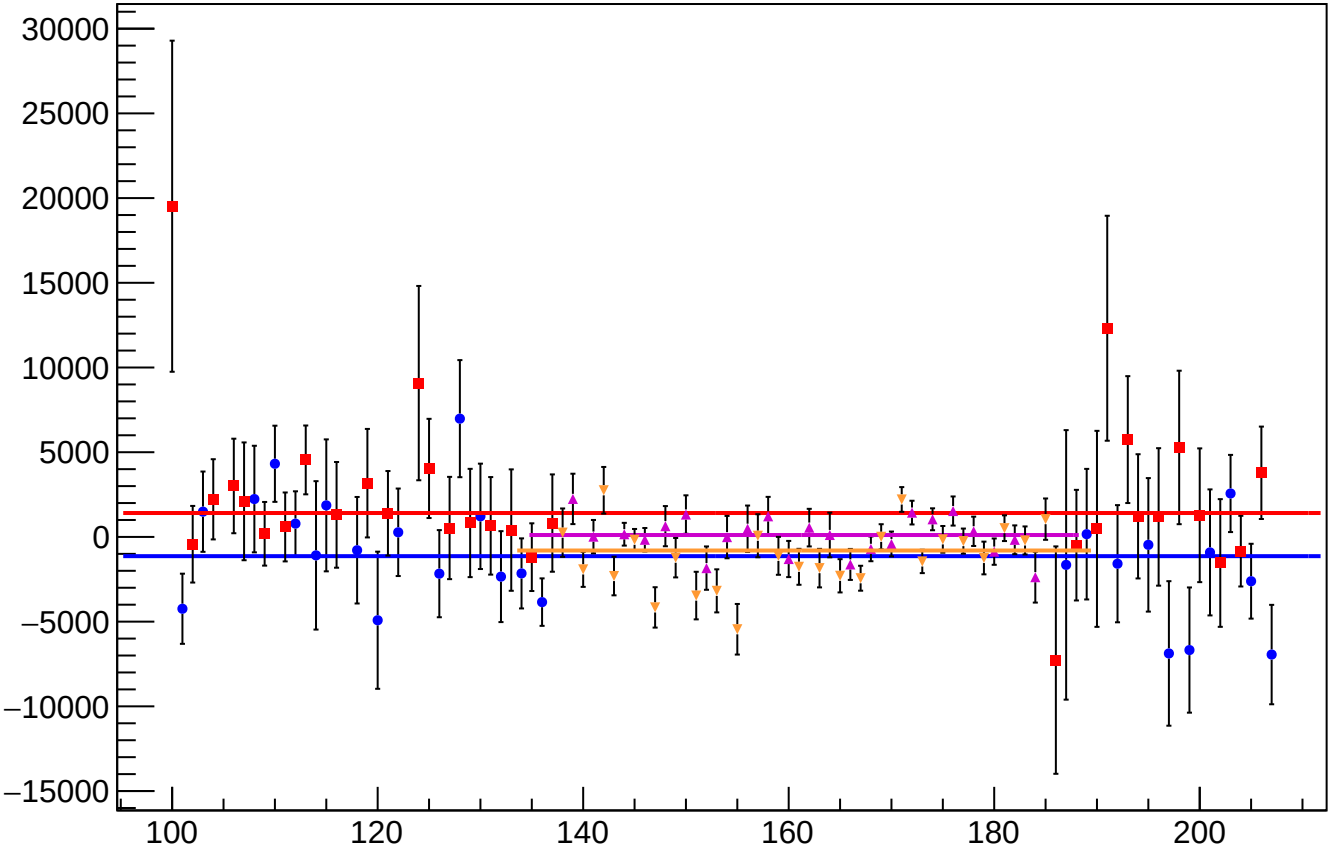
Right: 144.651+/-0.021 χ^2/NDF: 14605431.4/56

In: 99.263+/-0.013 χ^2/NDF:10231512.1/48

Out: 98.718+/-0.013 χ^2/NDF:12392898.5/55

All: 98.983+/-0.009 χ^2/NDF: 22625261.7/104

asym_sam3_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1135.146+/-528.465 χ^2/NDF: 35.0/25

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

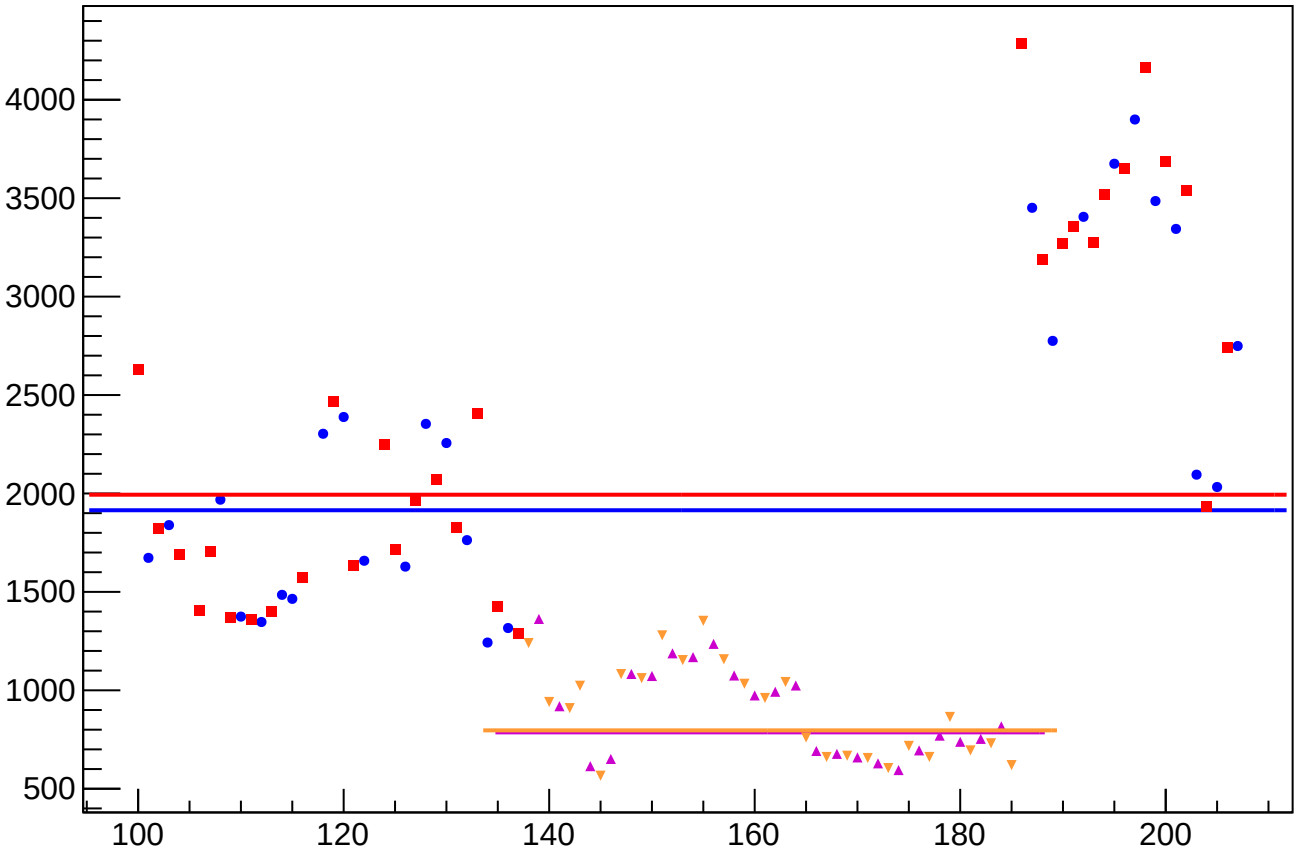
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 136.634+/-373.921 χ^2/NDF: 68.4/56

In: -30.686+/-179.020 χ^2/NDF:67.0/48

Out: -554.011+/-176.946 χ^2/NDF:109.2/55

All: -295.397+/-125.847 χ^2/NDF: 180.5/104



Right In: 1914.736+/-0.374 χ^2/NDF: 3324016.3/25

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

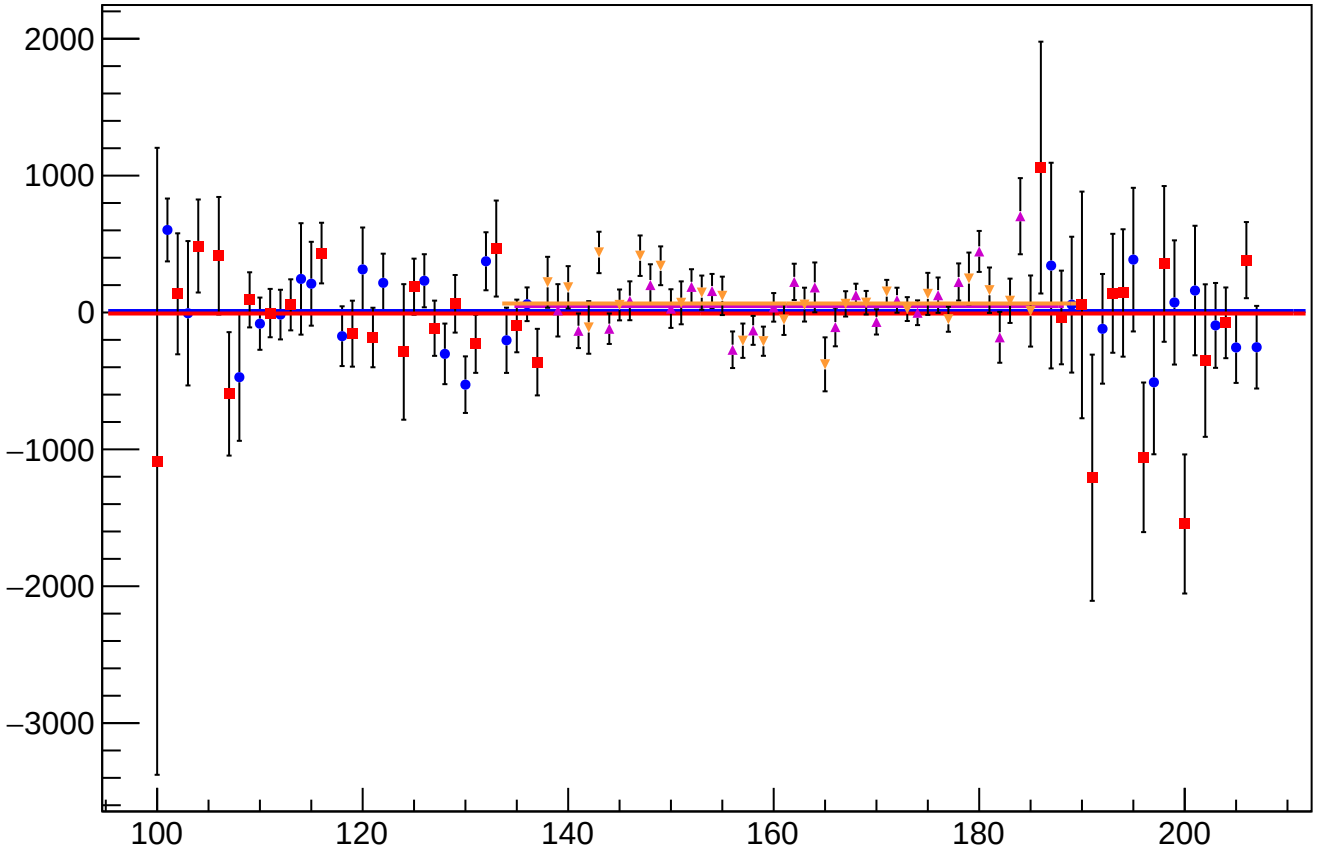
Right: 1954.155+/-0.264 χ^2/NDF: 7462934.8/56

In: 915.825+/-0.127 χ^2/NDF:13552700.7/48

Out: 930.394+/-0.125 χ^2/NDF:15626977.5/55

All: 923.194+/-0.089 χ^2/NDF: 29186379.2/10

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 10.726+/-50.213 χ^2/NDF: 29.2/25

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

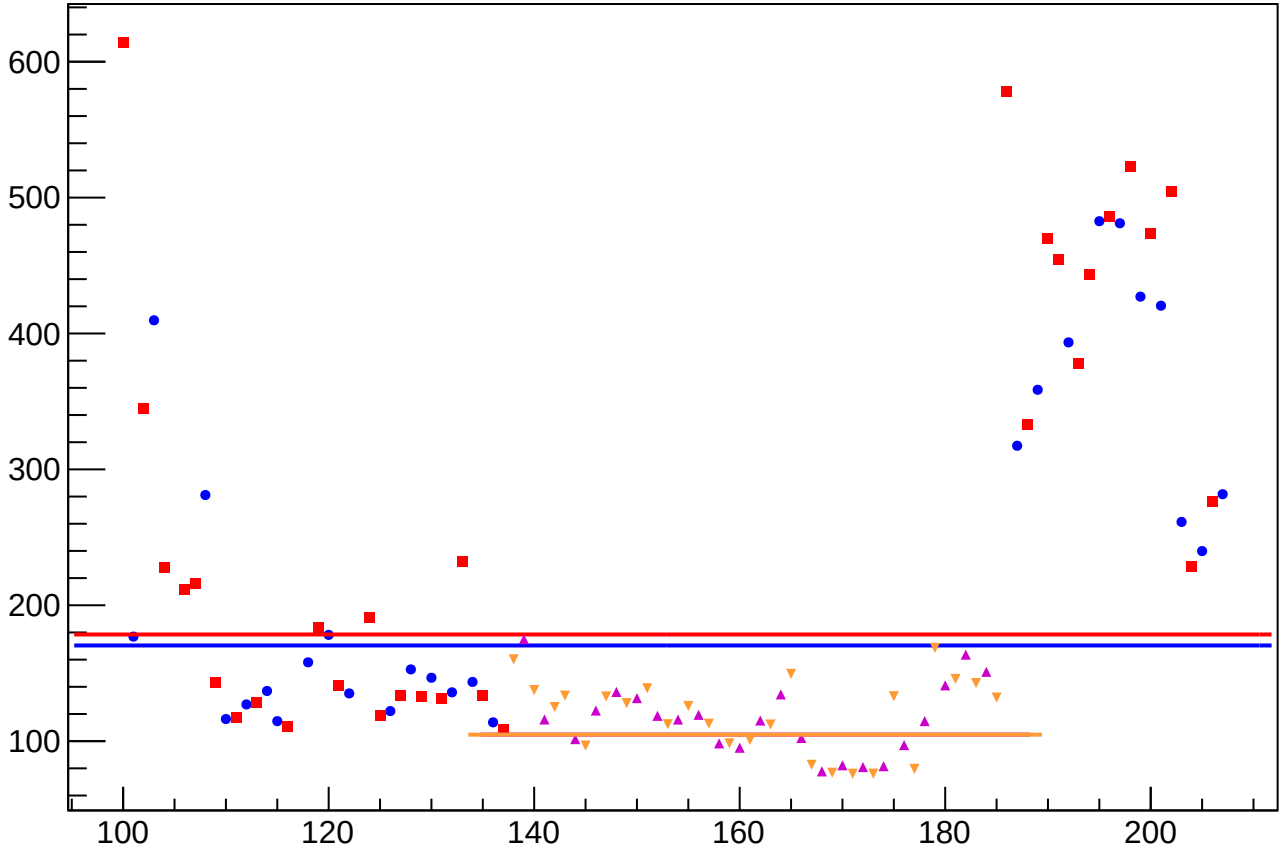
Right: 1.769+/-35.846 χ^2/NDF: 65.7/56

In: 39.503+/-22.875 χ^2/NDF:68.2/48

Out: 51.543+/-22.507 χ^2/NDF:78.1/55

All: 45.621+/-16.043 χ^2/NDF: 146.5/104

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 170.426+/-0.036 χ^2/NDF: 5783794.4/25

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

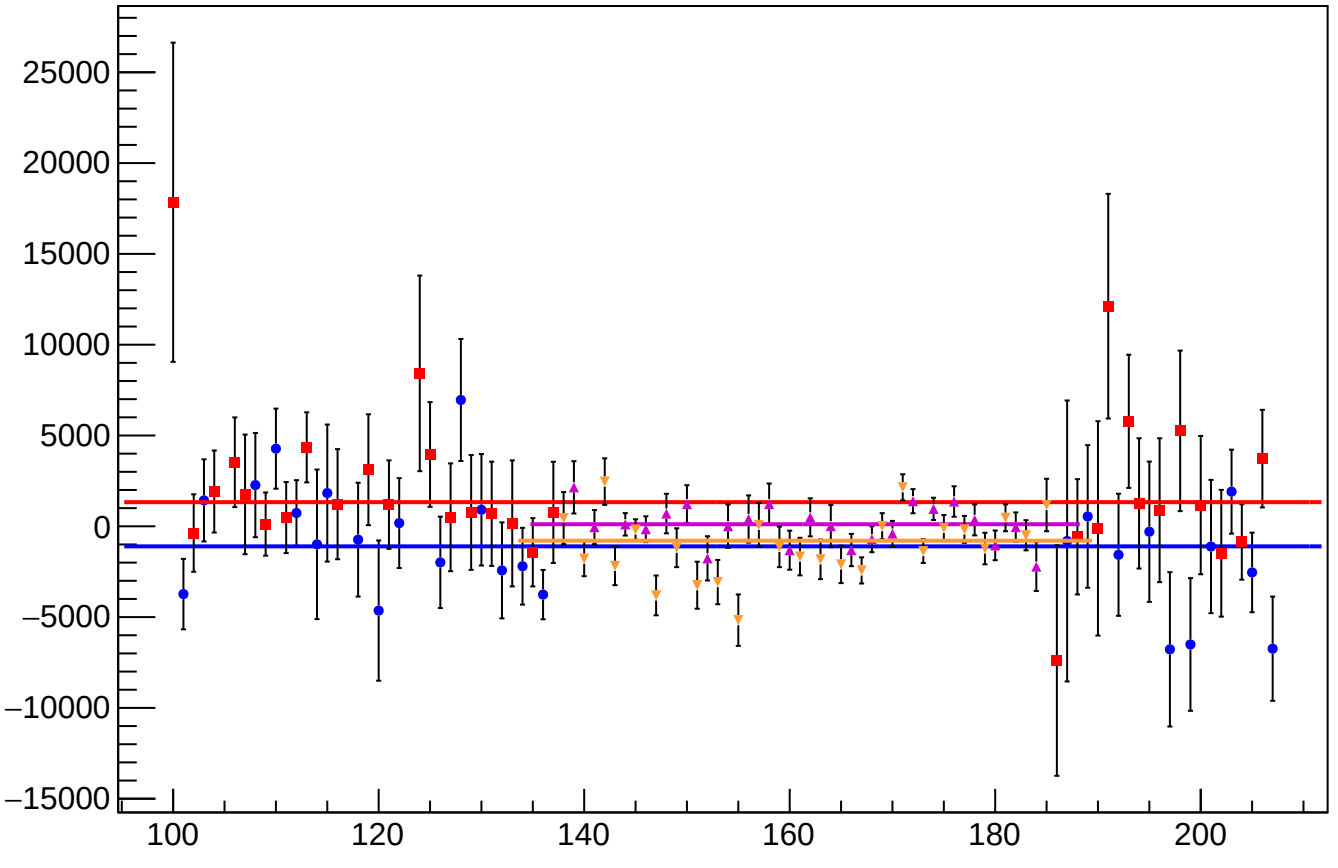
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 174.389+/-0.025 χ^2/NDF: 13043748.7/56

In: 118.447+/-0.016 χ^2/NDF:10102662.5/48

Out: 119.057+/-0.016 χ^2/NDF:12821456.4/55

All: 118.757+/-0.011 χ^2/NDF: 22924842.9/10



Right In: -1104.665+/-514.642 χ^2/NDF: 34.0/25

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

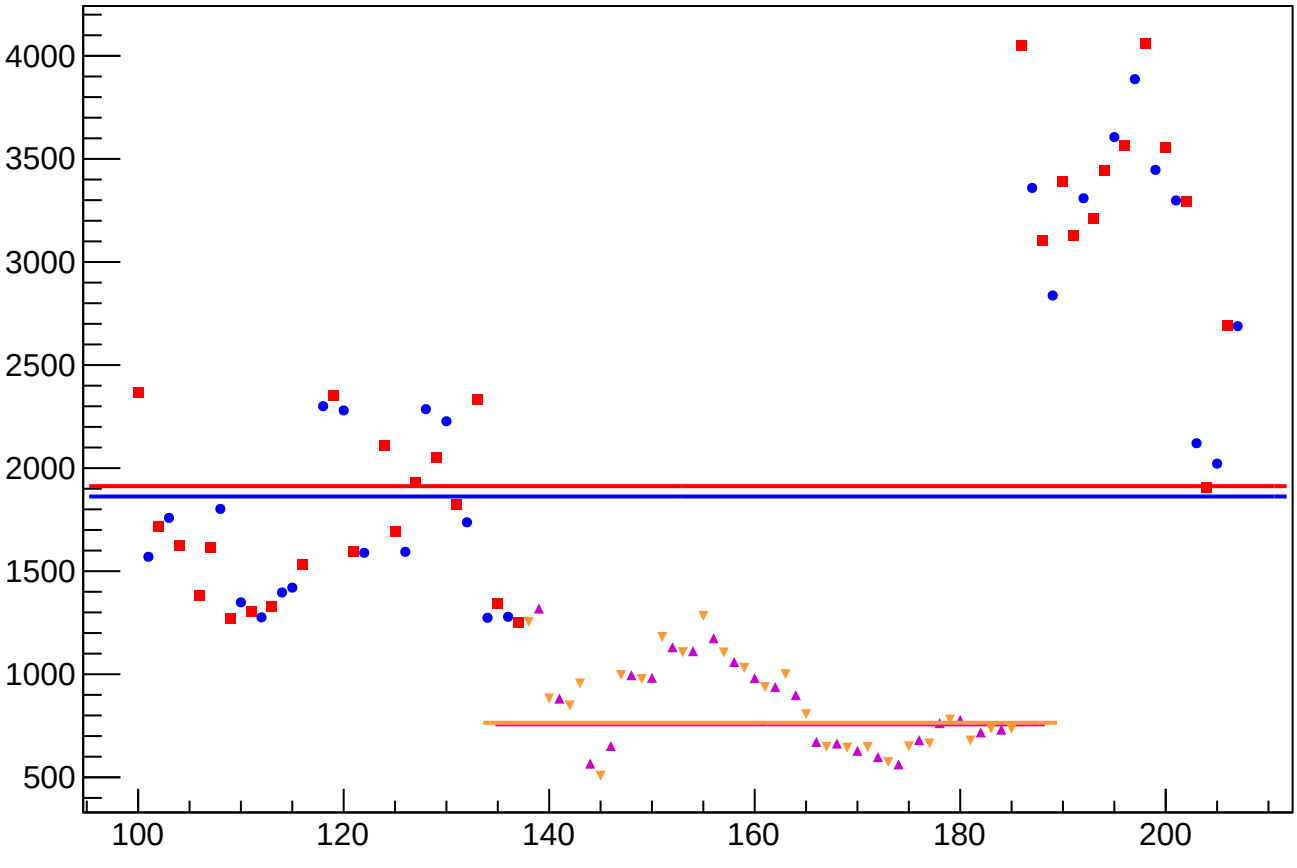
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 128.927+/-361.387 χ^2/NDF: 69.1/56

In: -23.245+/-172.529 χ^2/NDF:65.3/48

Out: -556.271+/-169.562 χ^2/NDF:109.3/55

All: -294.379+/-120.934 χ^2/NDF: 179.4/104



Right In: 1862.369+/-0.364 χ^2/NDF: 3434217.7/25

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

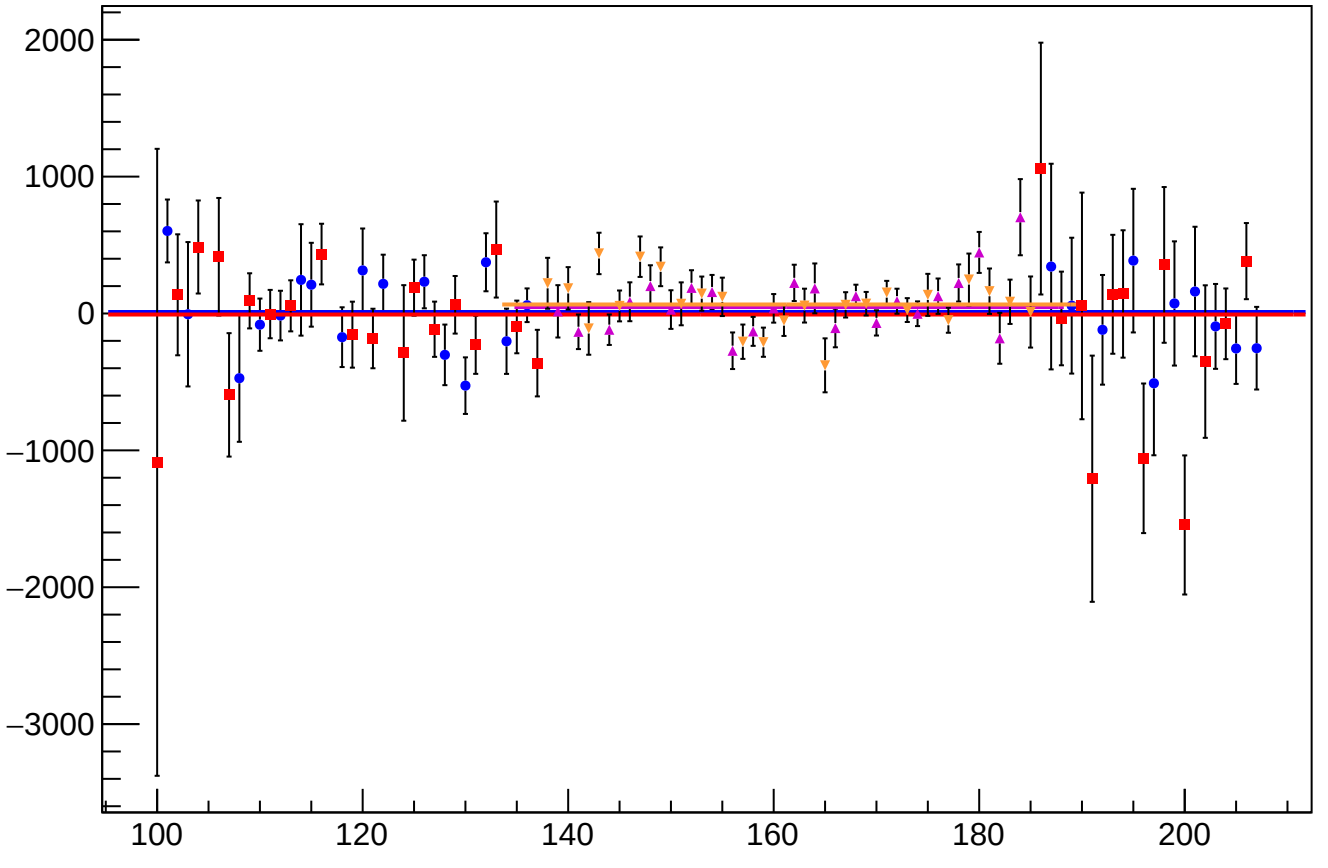
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1887.736+/-0.256 χ^2/NDF: 7709715.5/56

In: 881.163+/-0.122 χ^2/NDF:13740090.9/48

Out: 892.807+/-0.120 χ^2/NDF:15775130.7/55

All: 887.086+/-0.086 χ^2/NDF: 29519855.7/10



Right In: 10.726+/-50.214 χ^2/NDF: 29.2/25

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

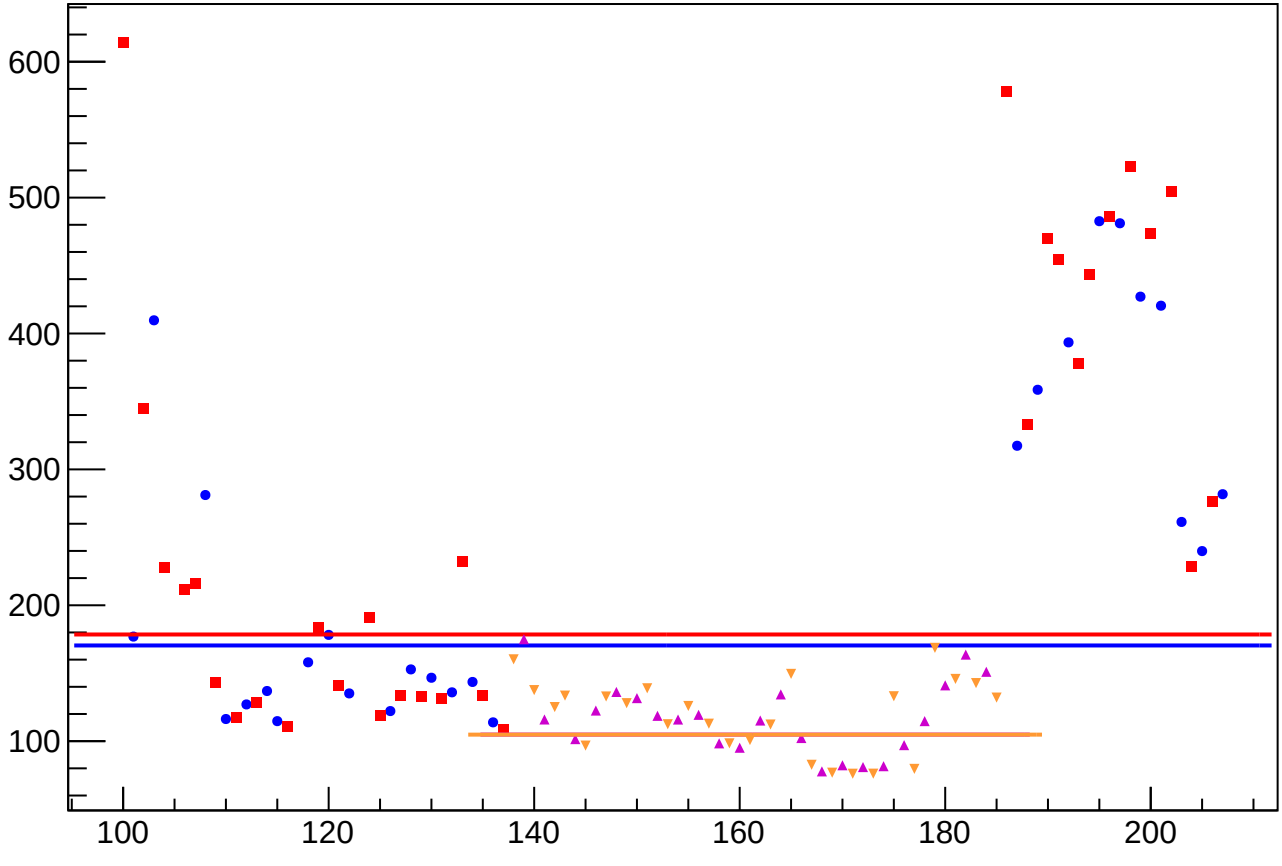
Right: 1.767+/-35.846 χ^2/NDF: 65.7/56

In: 39.502+/-22.875 χ^2/NDF:68.2/48

Out: 51.543+/-22.507 χ^2/NDF:78.1/55

All: 45.620+/-16.043 χ^2/NDF: 146.5/104

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 170.427+/-0.036 χ^2/NDF: 5783787.0/25

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

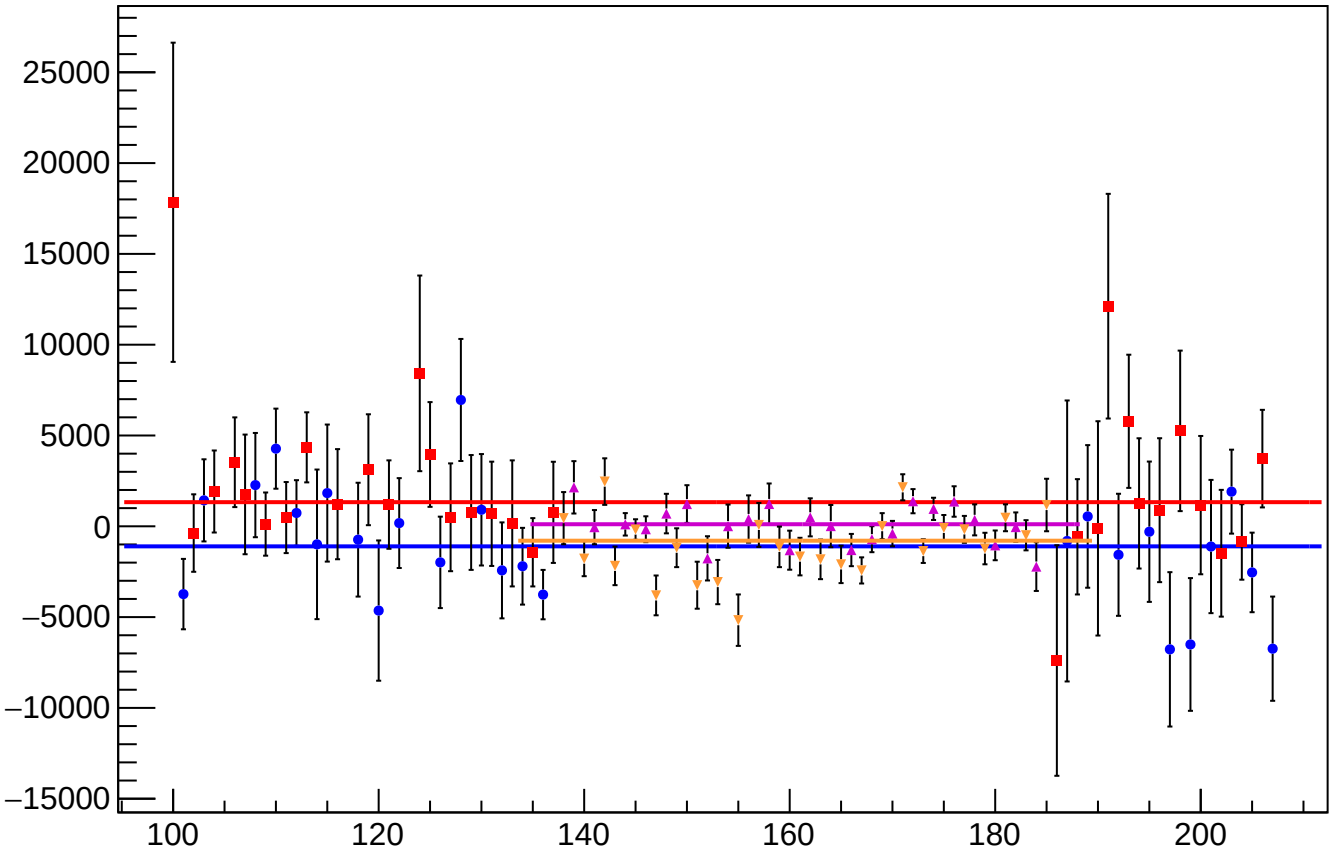
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

Right: 174.390+/-0.025 χ^2/NDF: 13043730.1/56

In: 118.447+/-0.016 χ^2/NDF:10102655.3/48

Out: 119.058+/-0.016 χ^2/NDF:12821467.4/55

All: 118.757+/-0.011 χ^2/NDF: 22924846.9/10



Right In: -1104.662+/-514.642 χ^2/NDF: 34.0/25

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

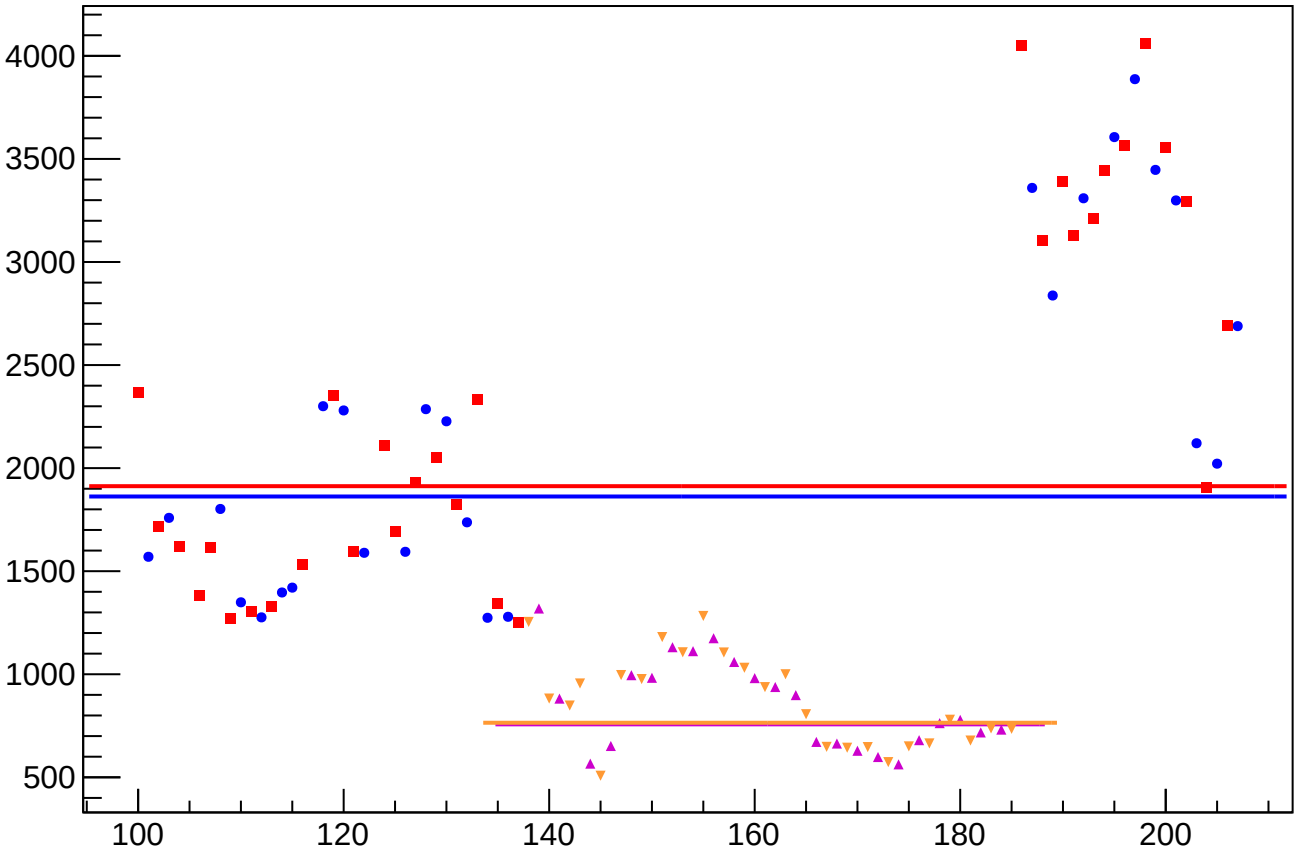
Left: -347.761+/-128.332 χ^2/NDF: 108.8/47

Right: 128.929+/-361.387 χ^2/NDF: 69.1/56

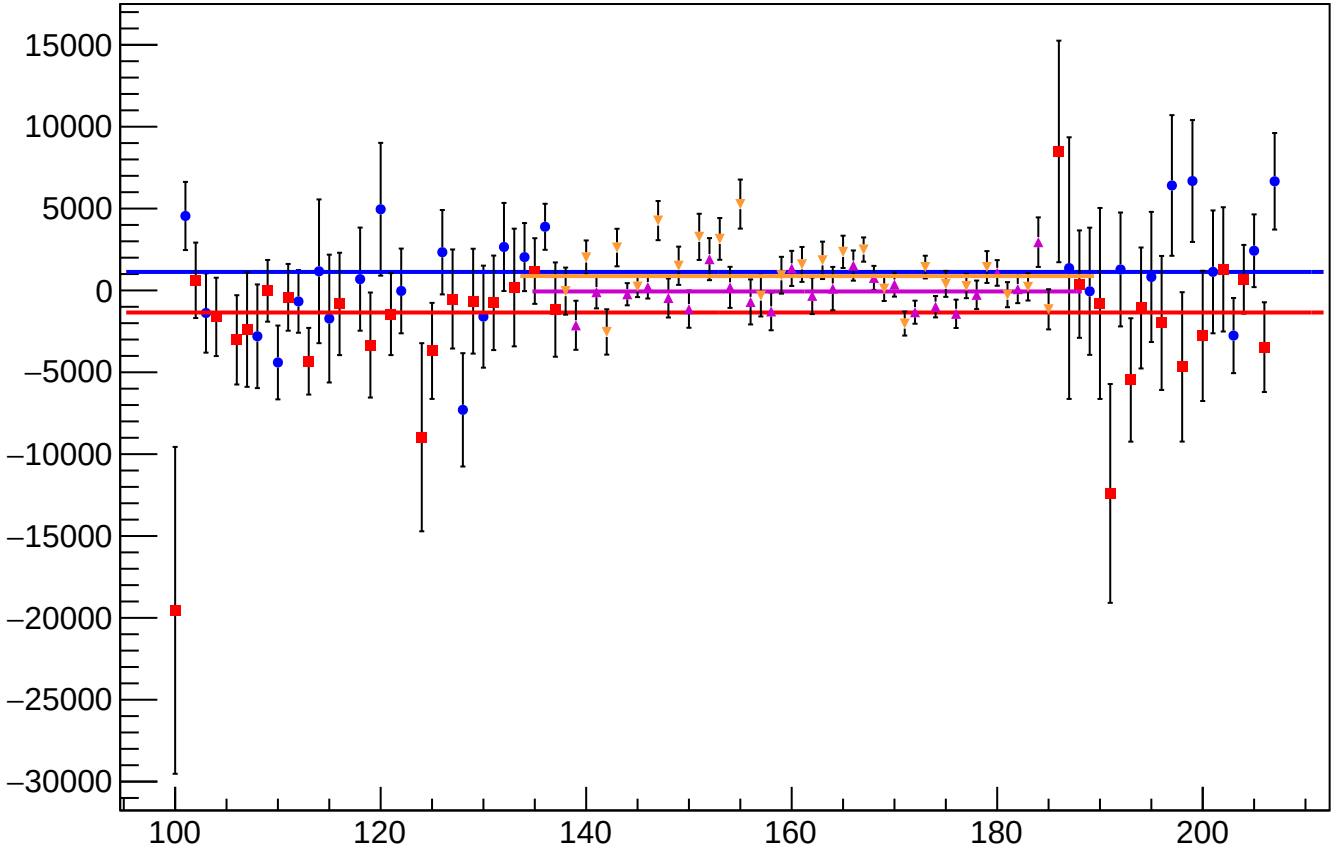
In: -23.245+/-172.529 χ^2/NDF:65.3/48

Out: -556.271+/-169.562 χ^2/NDF:109.3/55

All: -294.380+/-120.934 χ^2/NDF: 179.4/104


asym_sam3_eigen_dit_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1862.367+/-0.364 χ²/NDF: 3434217.0/25
Left Out: 764.734+/-0.127 χ²/NDF:2425549.9/24
Right Out: 1912.410+/-0.359 χ²/NDF: 4265911.3/30
Left In: 756.926+/-0.129 χ²/NDF:2115275.0/22
Left: 760.899+/-0.091 χ²/NDF: 4542675.0/47
Right: 1887.734+/-0.256 χ²/NDF: 7709714.2/56
In: 881.162+/-0.122 χ²/NDF:13740085.2/48
Out: 892.806+/-0.120 χ²/NDF:15775116.4/55
All: 887.085+/-0.086 χ²/NDF: 29519835.7/10

asym_sam3_mean vs Slug, Sign Corrected



Right In: 1129.372+/-531.165 χ^2/NDF: 35.7/25

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

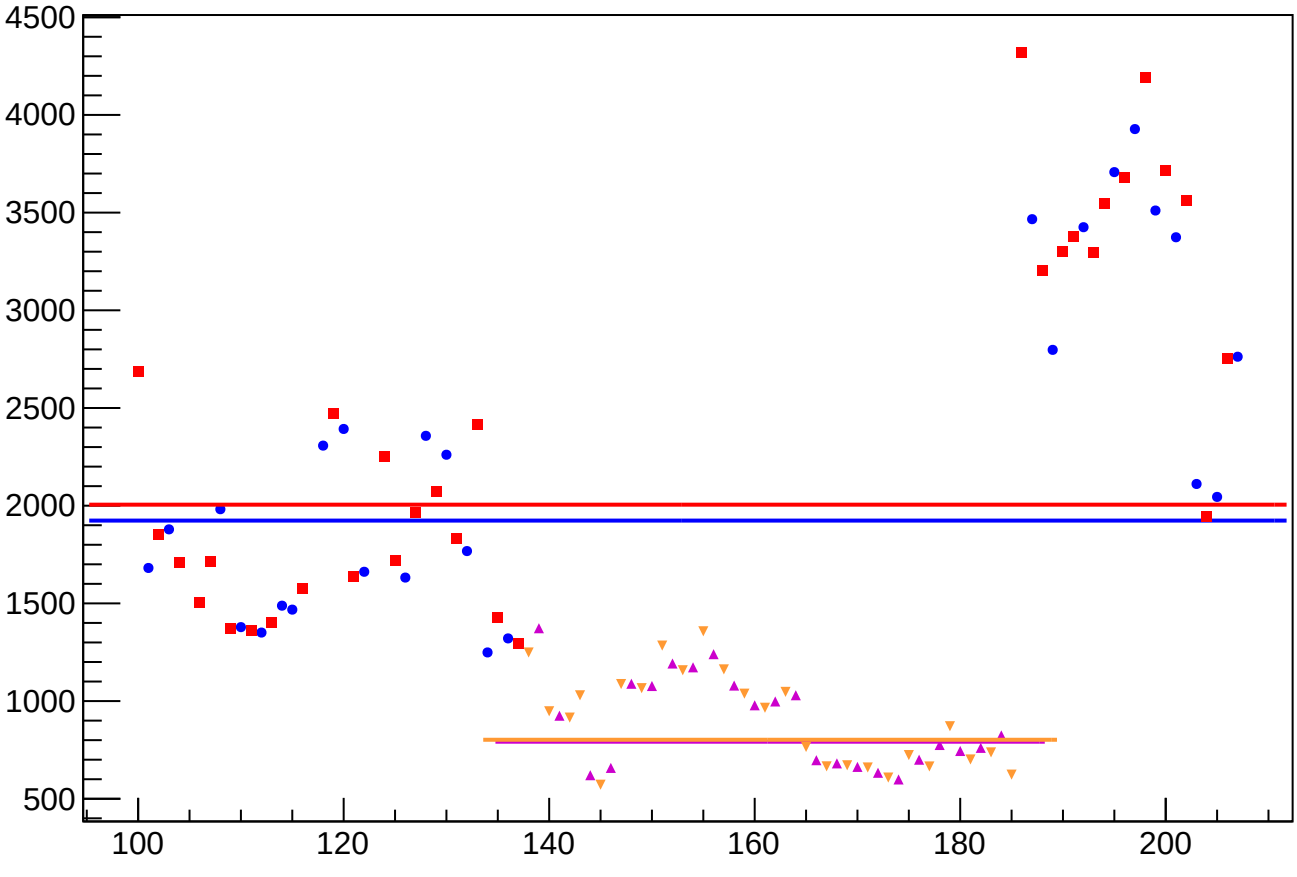
Right: -109.360+/-375.640 χ^2/NDF: 67.7/56

In: 74.497+/-180.230 χ^2/NDF:67.3/48

Out: 626.531+/-178.068 χ^2/NDF:104.0/55

All: 353.845+/-126.670 χ^2/NDF: 176.0/104

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1923.781+/-0.376 χ^2/NDF: 3343944.9/25

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

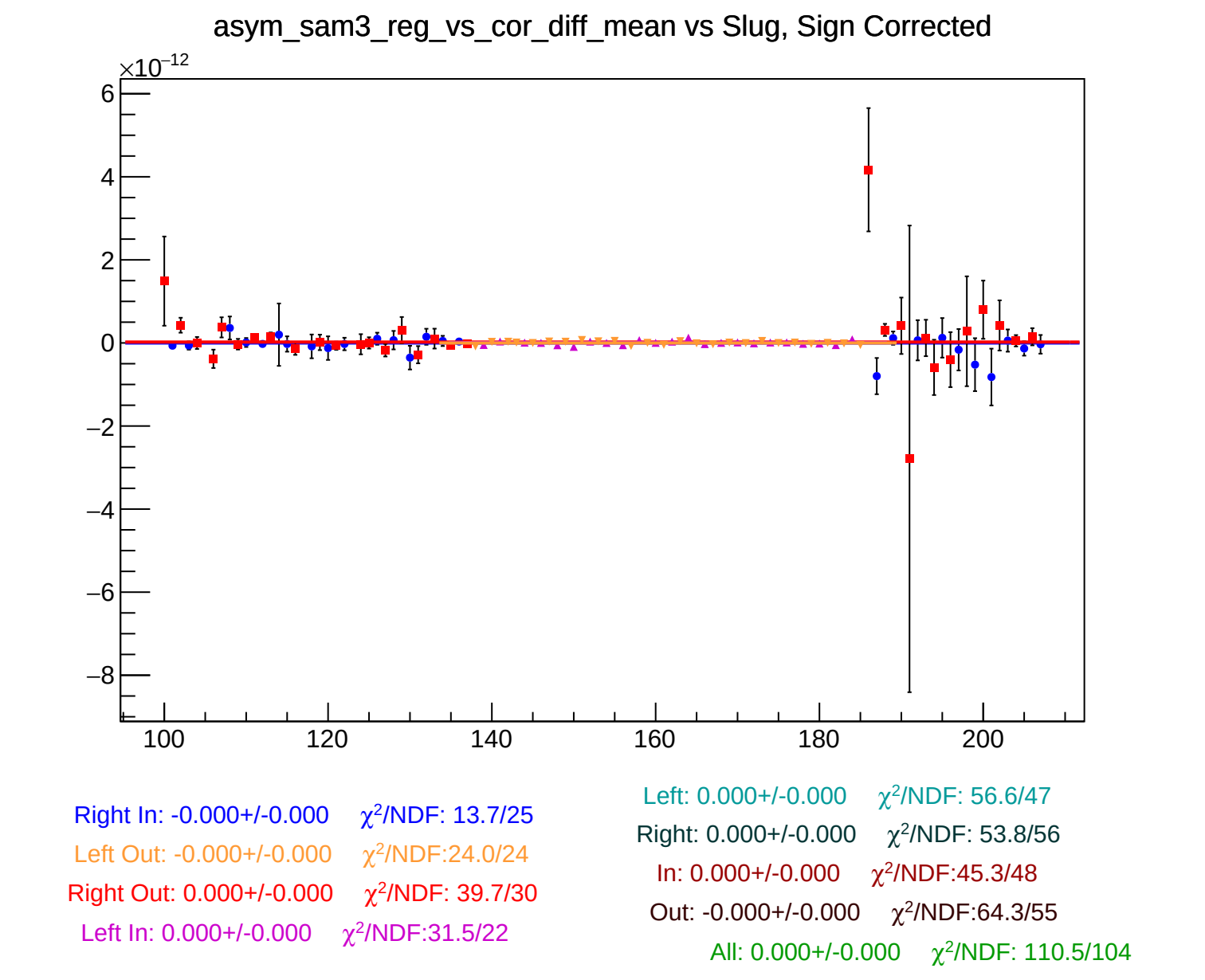
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

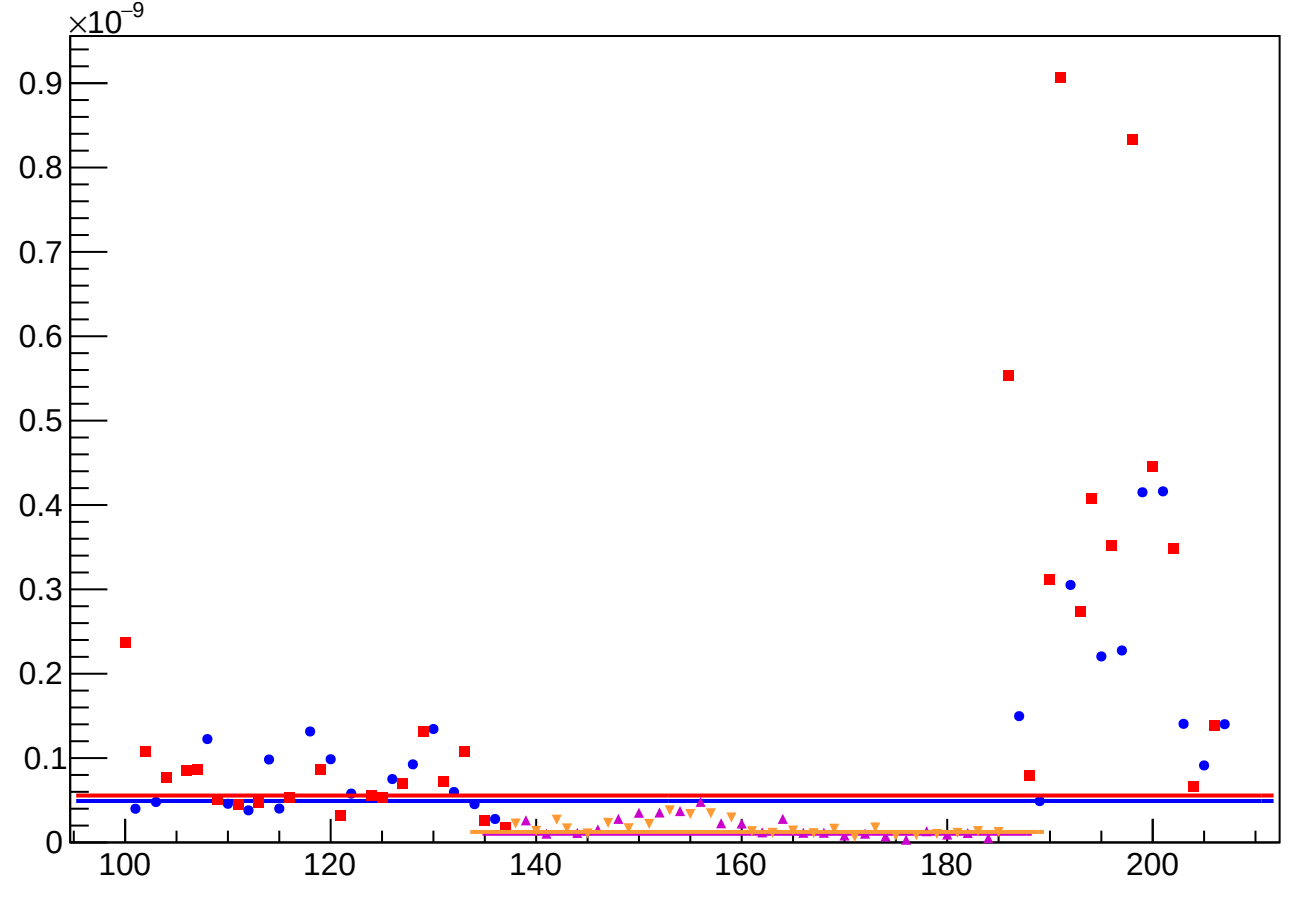
Right: 1964.488+/-0.266 χ^2/NDF: 7485913.4/56

In: 922.357+/-0.127 χ^2/NDF:13513453.0/48

Out: 937.165+/-0.126 χ^2/NDF:15619311.7/55

All: 929.850+/-0.090 χ^2/NDF: 29139596.7/10


asym_sam3_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: 13.7/25
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 39.7/30
Left In: 0.000+/-0.000 χ²/NDF:31.5/22
Left: 0.000+/-0.000 χ²/NDF: 56.6/47
Right: 0.000+/-0.000 χ²/NDF: 53.8/56
In: 0.000+/-0.000 χ²/NDF:45.3/48
Out: -0.000+/-0.000 χ²/NDF:64.3/55
All: 0.000+/-0.000 χ²/NDF: 110.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 4374816.8/25

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

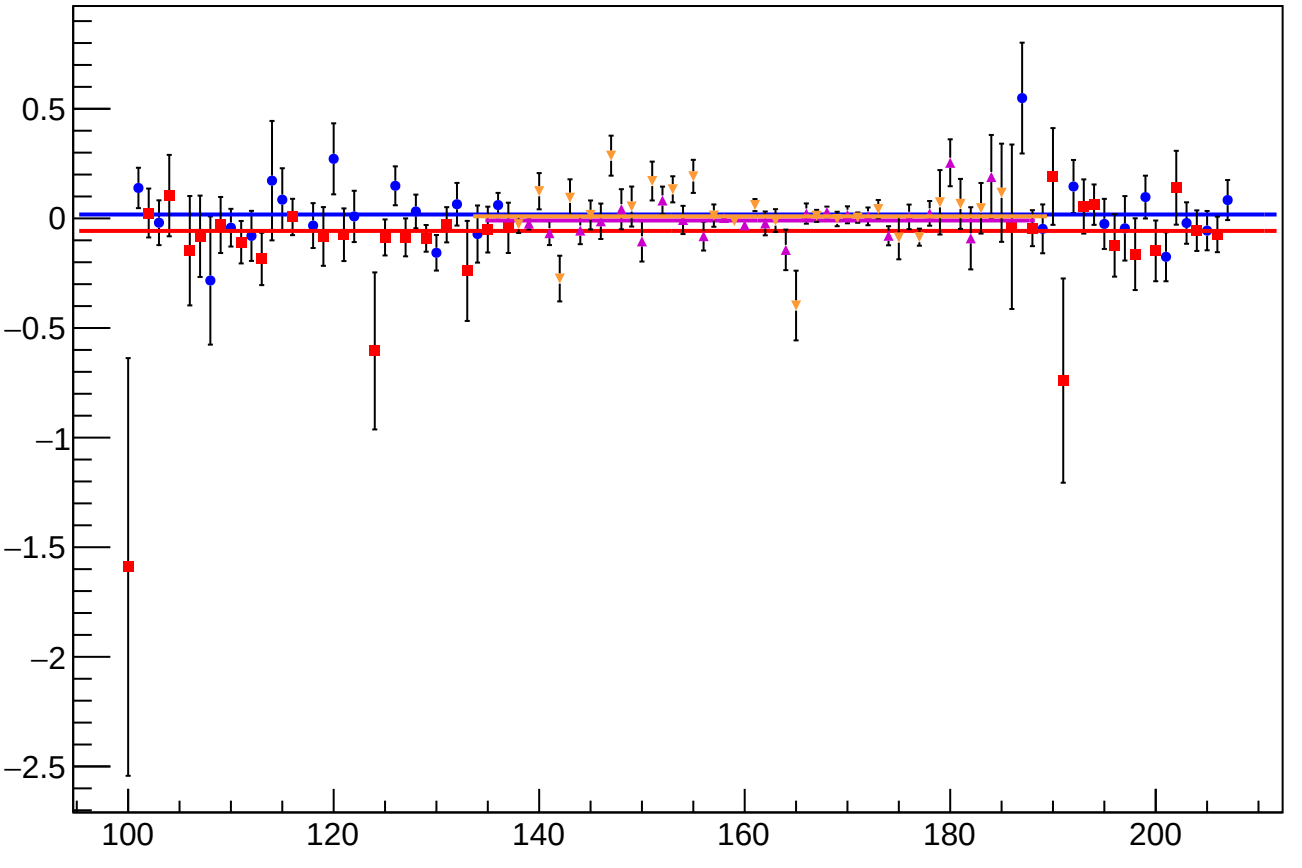
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10180333.6/56

In: 0.000+/-0.000 χ^2/NDF:12351673.9/48

Out: 0.000+/-0.000 χ^2/NDF:12384626.5/55

All: 0.000+/-0.000 χ^2/NDF: 24938229.3/104



Right In: 0.018+/-0.020 χ^2/NDF: 26.7/25

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

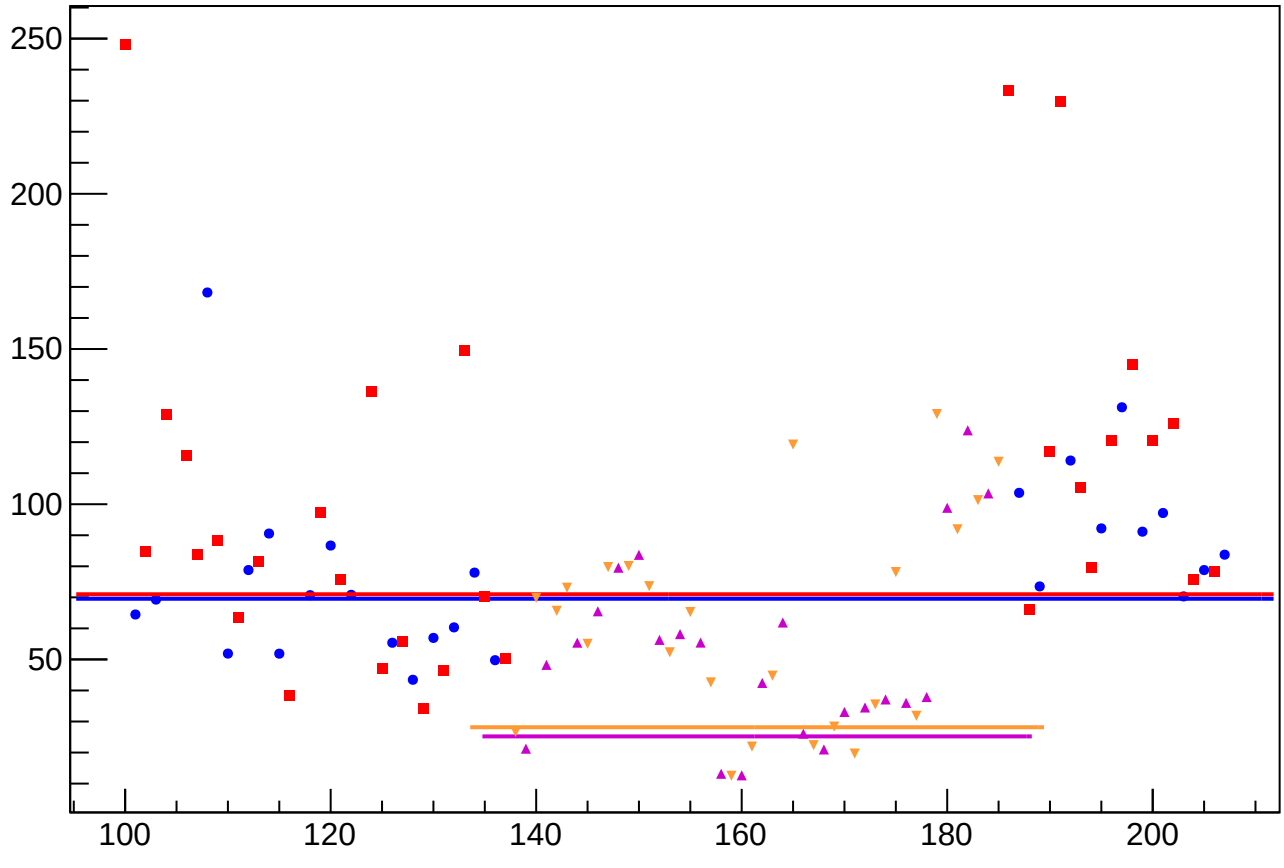
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.014 χ^2/NDF: 51.8/56

In: -0.006+/-0.007 χ^2/NDF:53.5/48

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 135.7/104



Right In: 69.546+/-0.014 χ^2/NDF: 2037143.0/25

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

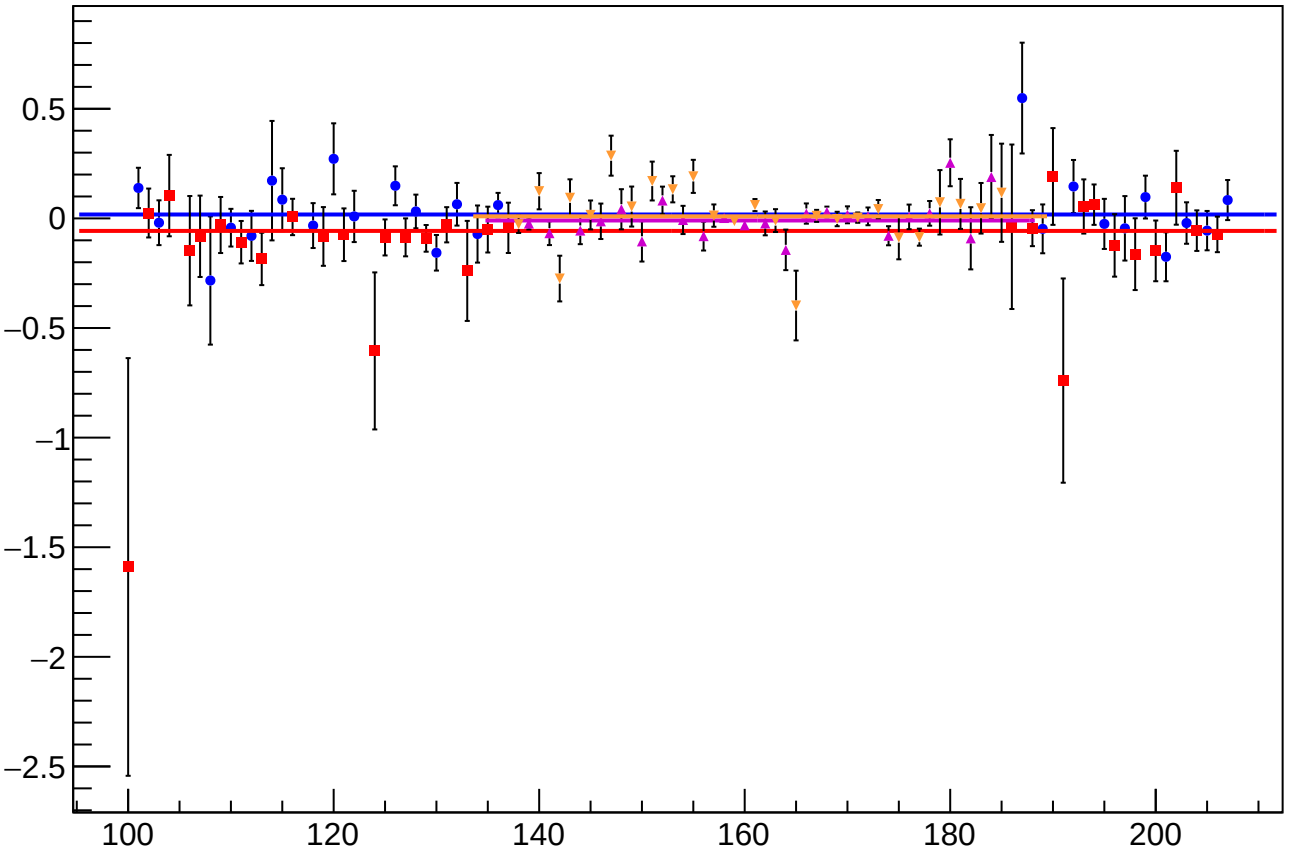
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 70.254+/-0.010 χ^2/NDF: 6392405.3/56

In: 31.160+/-0.005 χ^2/NDF:20411208.3/48

Out: 34.365+/-0.006 χ^2/NDF:22864205.1/55

All: 32.669+/-0.004 χ^2/NDF: 43453281.3/104



Right In: 0.018+/-0.020 χ^2/NDF: 26.7/25

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

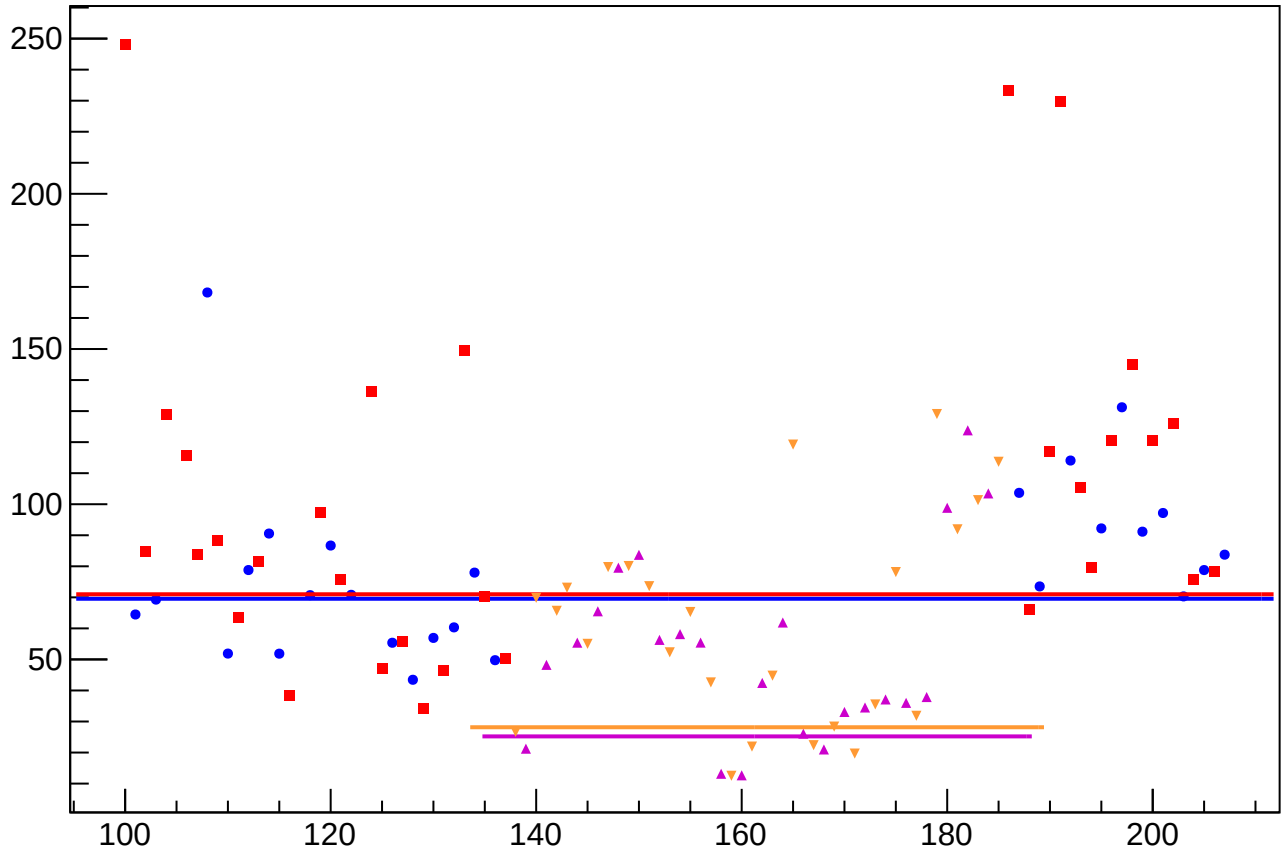
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.014 χ^2/NDF: 51.8/56

In: -0.006+/-0.007 χ^2/NDF:53.5/48

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 135.7/104



Right In: 69.546+/-0.014 χ^2/NDF: 2037143.0/25

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

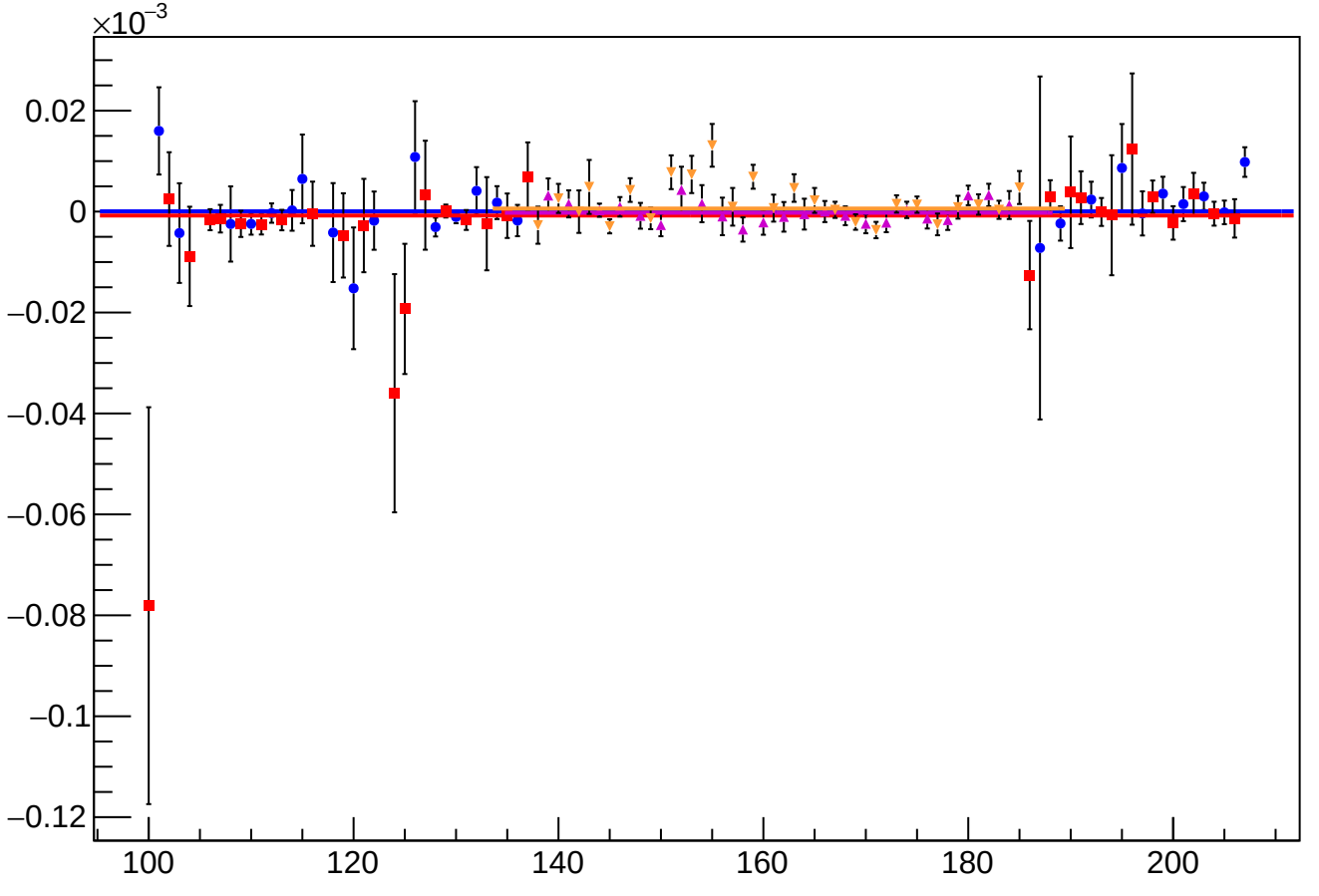
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 70.254+/-0.010 χ^2/NDF: 6392405.3/56

In: 31.160+/-0.005 χ^2/NDF:20411208.3/48

Out: 34.365+/-0.006 χ^2/NDF:22864205.1/55

All: 32.669+/-0.004 χ^2/NDF: 43453281.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/25

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

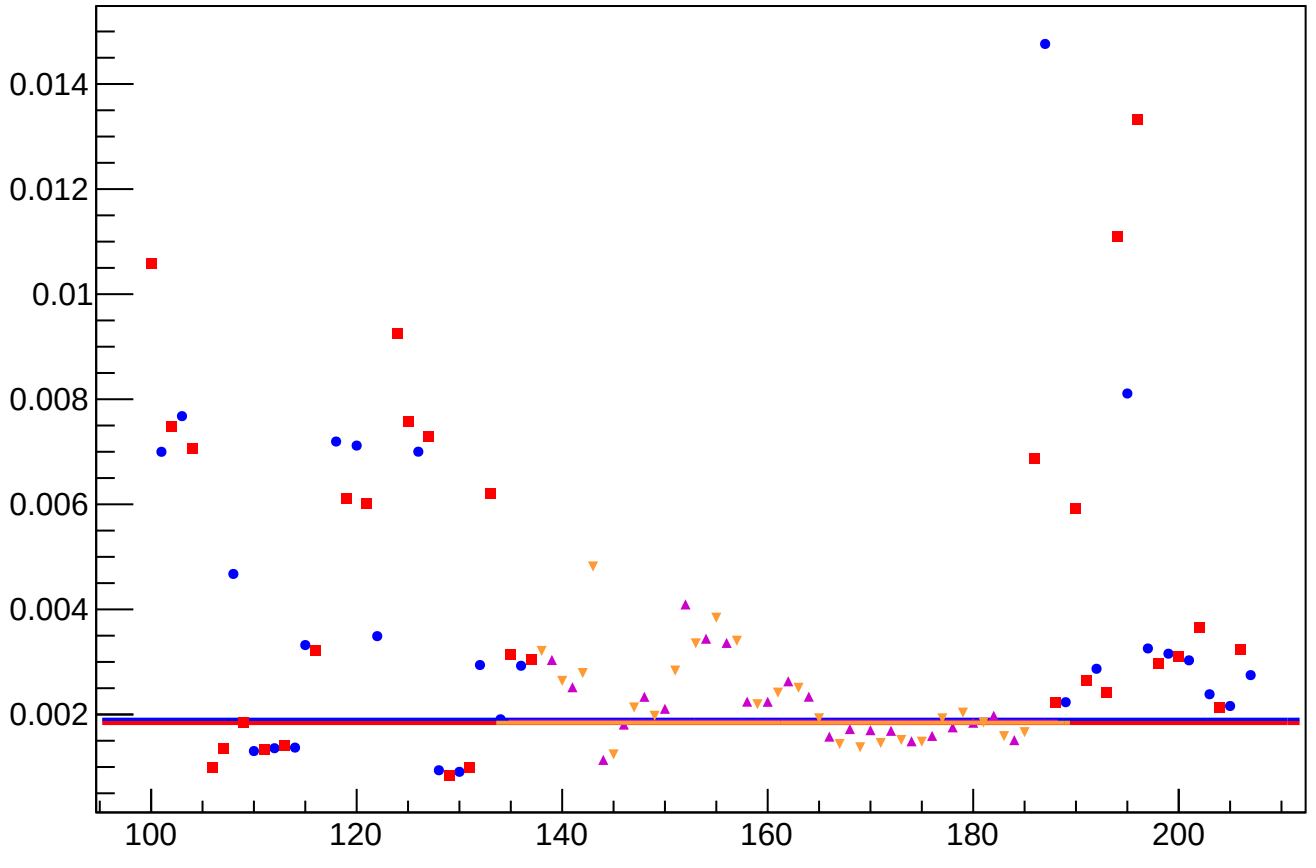
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 49.4/56

In: -0.000+/-0.000 χ^2/NDF:45.6/48

Out: 0.000+/-0.000 χ^2/NDF:75.3/55

All: -0.000+/-0.000 χ^2/NDF: 121.1/104



Right In: 0.002+/-0.000 χ^2/NDF: 8130515.4/25

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

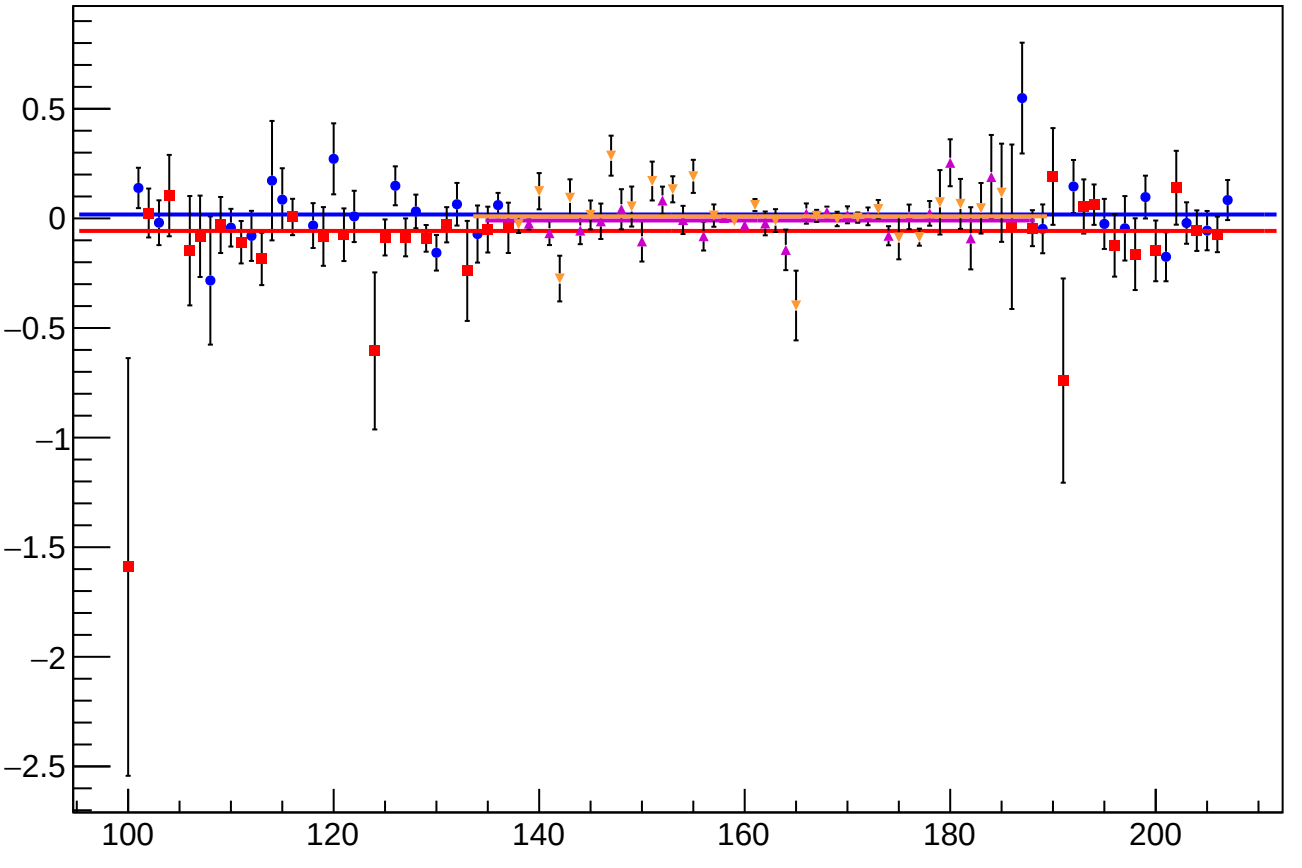
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 19048815.9/56

In: 0.002+/-0.000 χ^2/NDF:10929134.4/48

Out: 0.002+/-0.000 χ^2/NDF:14690156.3/55

All: 0.002+/-0.000 χ^2/NDF: 25629867.9/104



Right In: 0.018+/-0.020 χ^2/NDF: 26.7/25

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

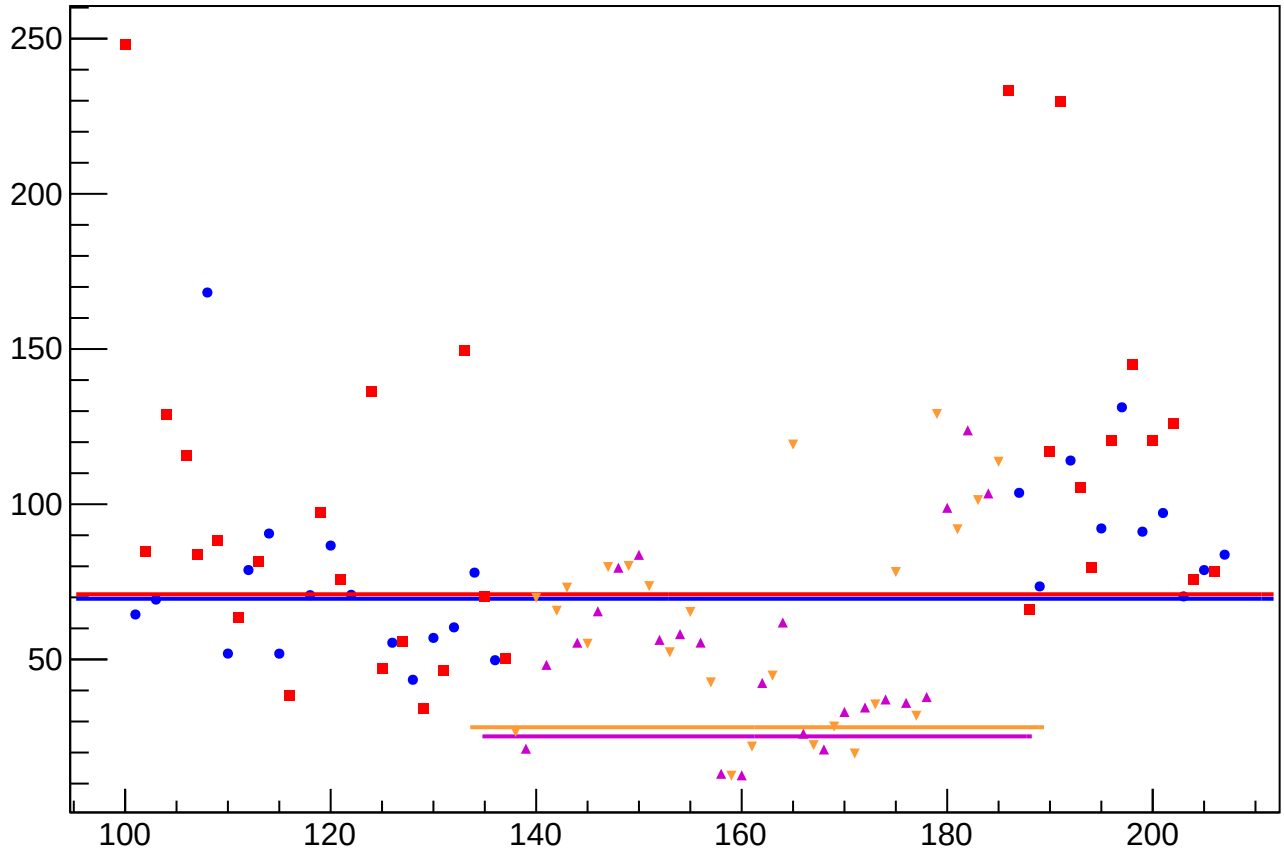
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.014 χ^2/NDF: 51.8/56

In: -0.006+/-0.007 χ^2/NDF:53.5/48

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 135.7/104



Right In: 69.547+/-0.014 χ^2/NDF: 2037124.3/25

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

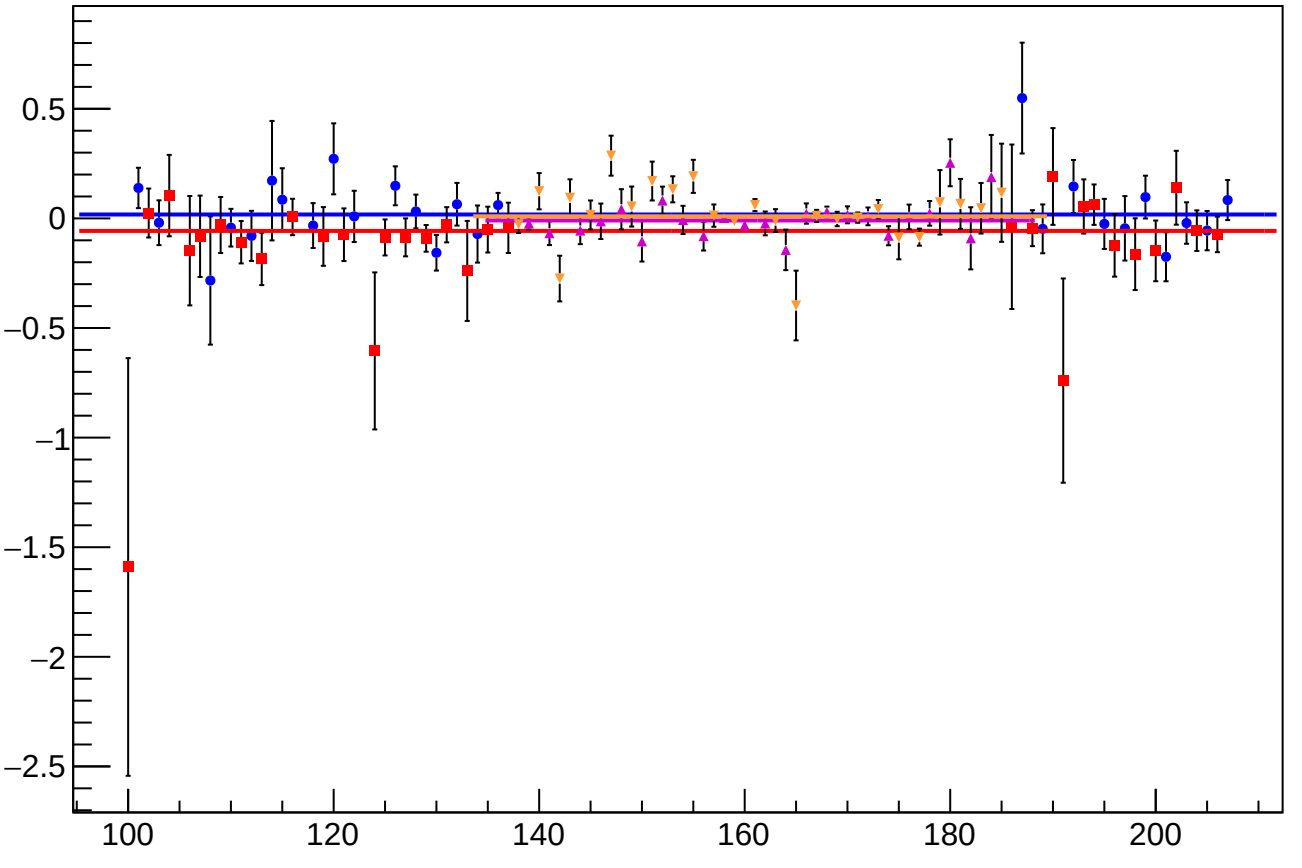
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 70.255+/-0.010 χ^2/NDF: 6392412.9/56

In: 31.160+/-0.005 χ^2/NDF:20411908.1/48

Out: 34.364+/-0.006 χ^2/NDF:22865980.3/55

All: 32.668+/-0.004 χ^2/NDF: 43455669.1/104



Right In: 0.018+/-0.020 χ^2/NDF: 26.7/25

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

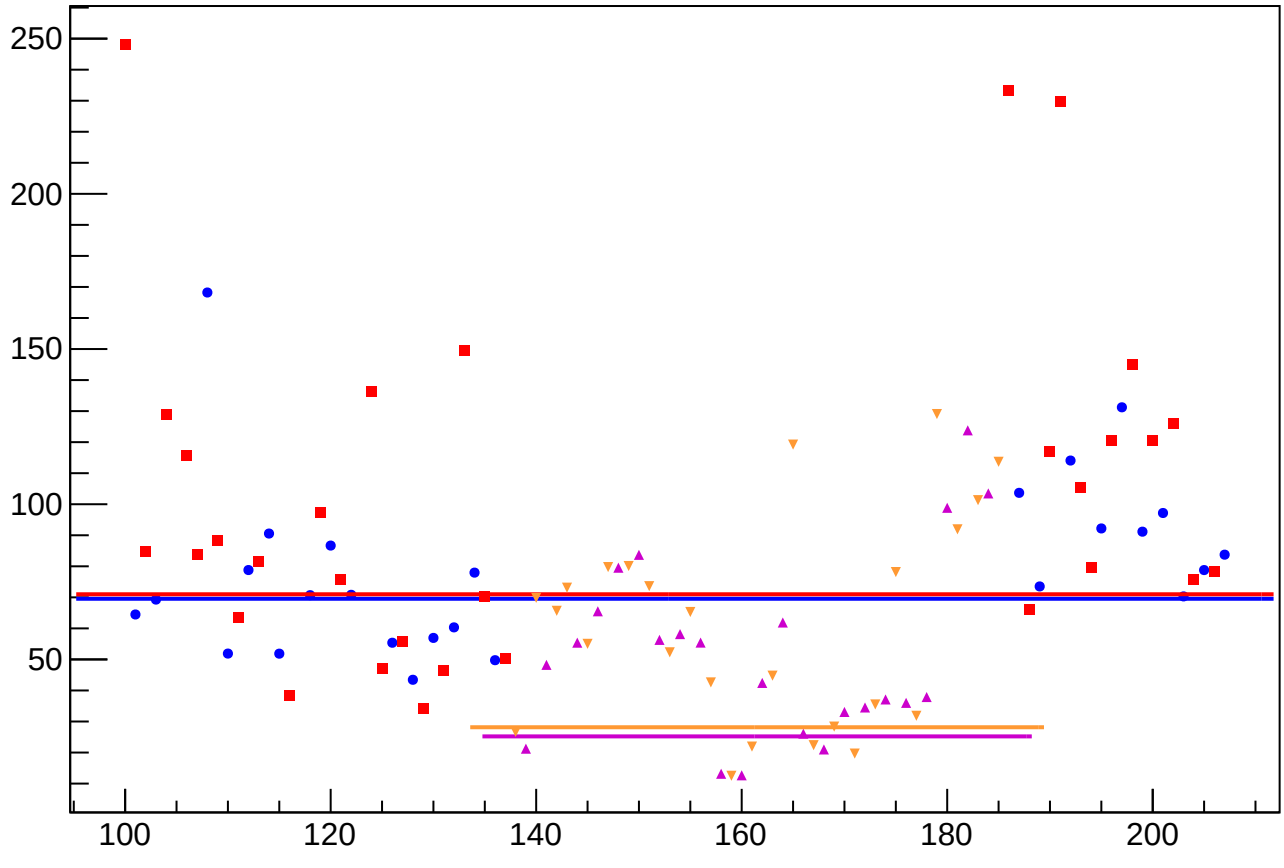
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.019+/-0.014 χ^2/NDF: 51.8/56

In: -0.006+/-0.007 χ^2/NDF:53.5/48

Out: -0.000+/-0.008 χ^2/NDF:81.9/55

All: -0.003+/-0.005 χ^2/NDF: 135.7/104



Right In: 69.547+/-0.014 χ^2/NDF: 2037124.3/25

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

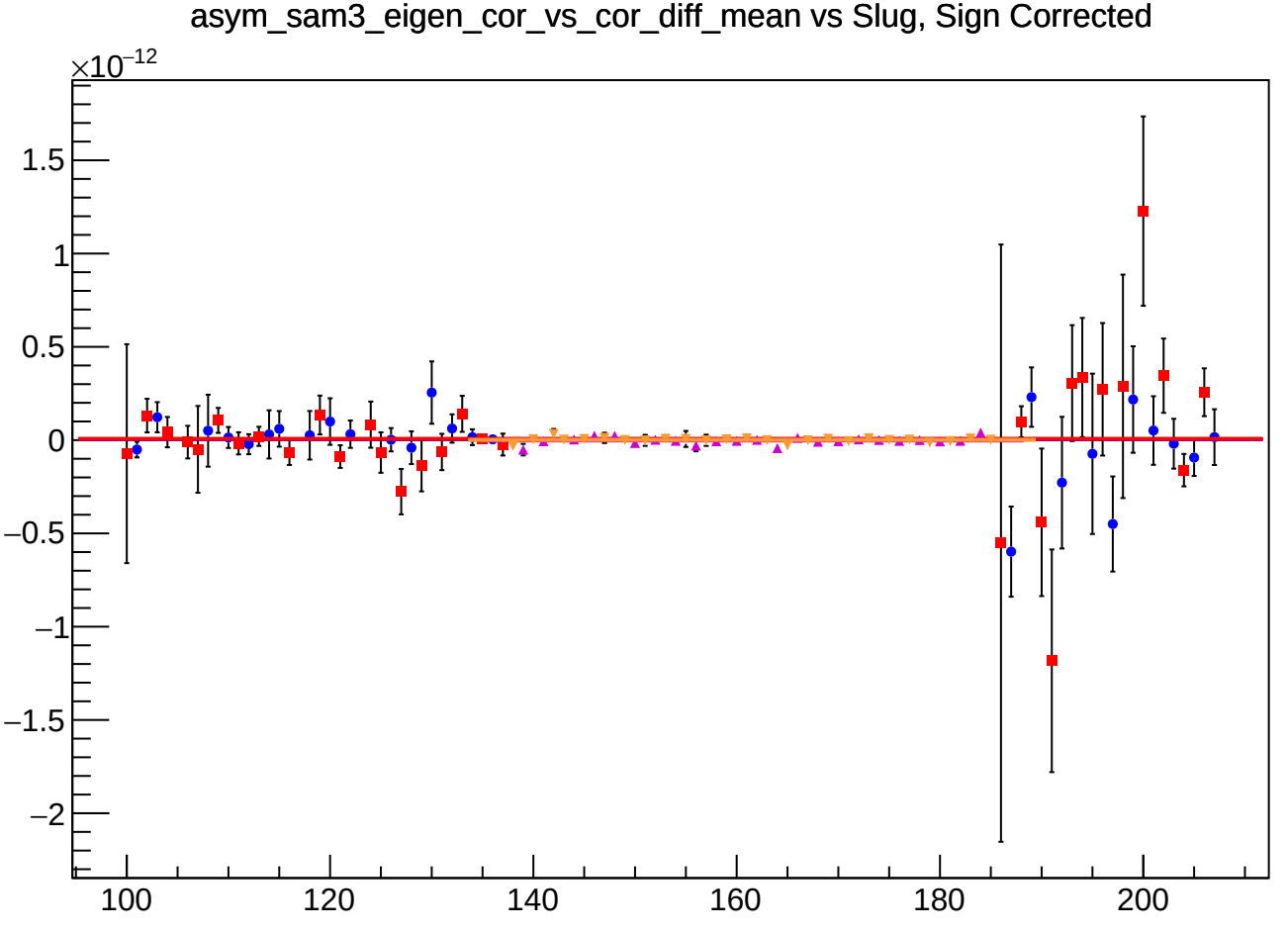
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 70.255+/-0.010 χ^2/NDF: 6392412.9/56

In: 31.160+/-0.005 χ^2/NDF:20411908.1/48

Out: 34.364+/-0.006 χ^2/NDF:22865980.3/55

All: 32.668+/-0.004 χ^2/NDF: 43455669.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/25

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

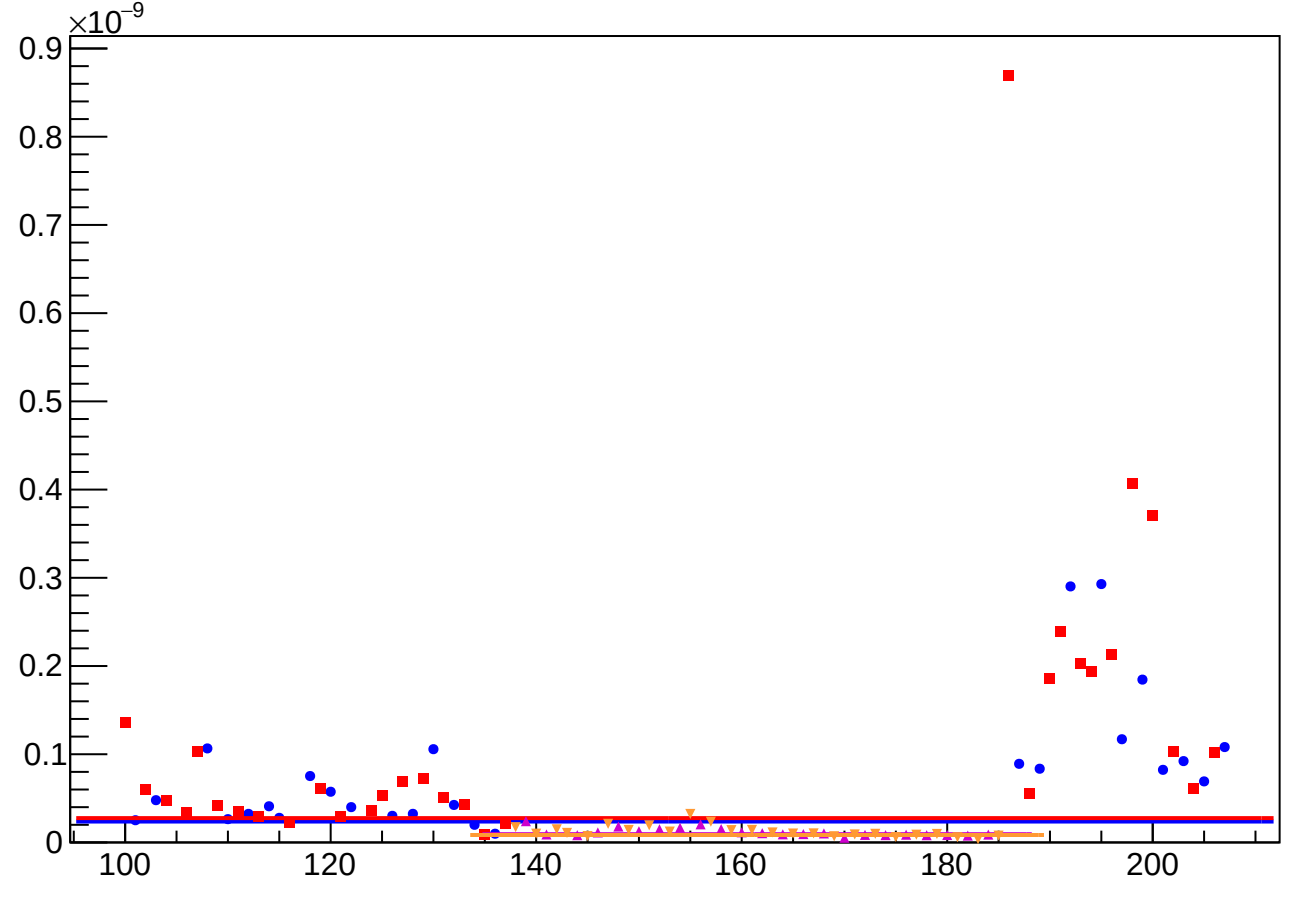
Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

Right: 0.000+/-0.000 χ^2/NDF: 67.3/56

In: -0.000+/-0.000 χ^2/NDF:43.1/48

Out: 0.000+/-0.000 χ^2/NDF:56.8/55

All: 0.000+/-0.000 χ^2/NDF: 100.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 8348623.9/25

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

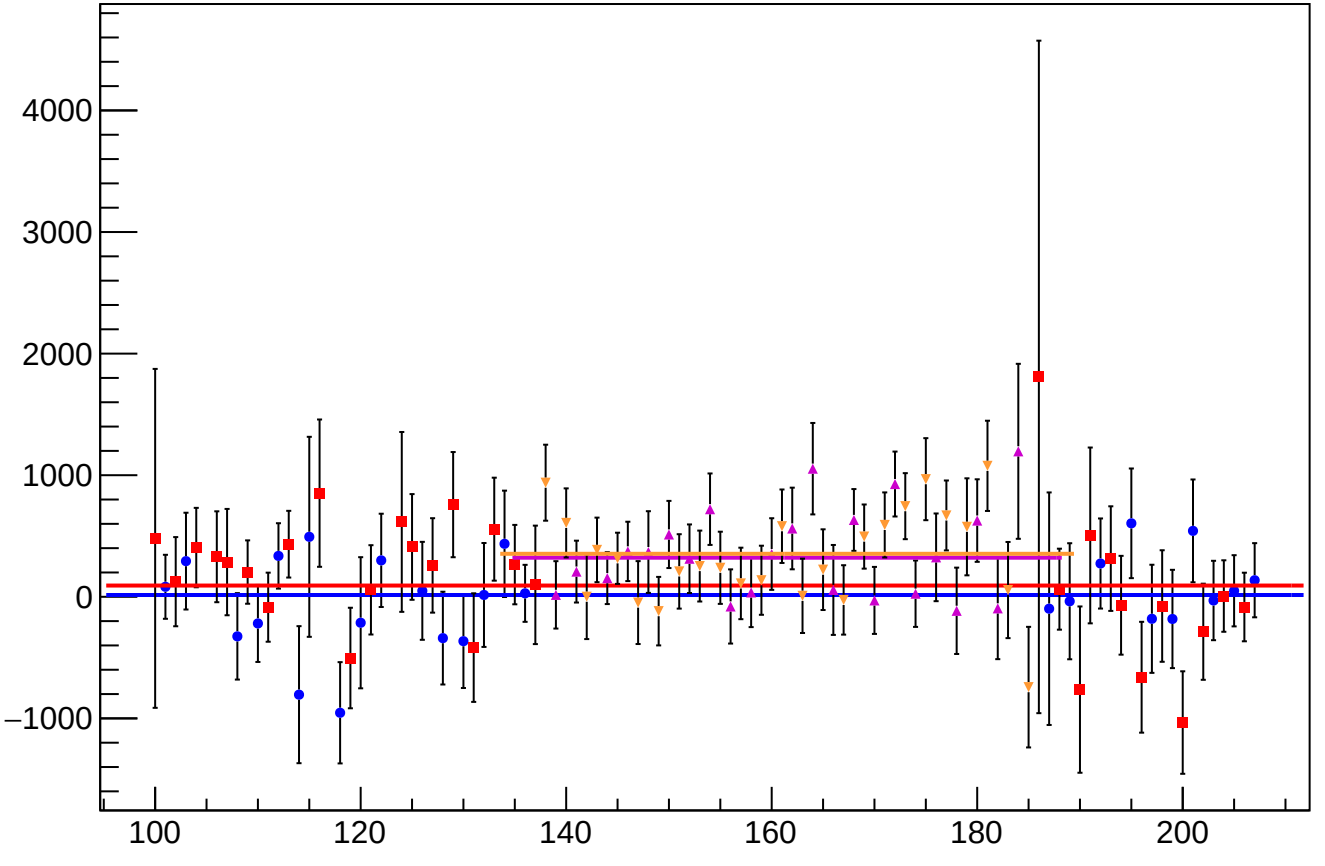
Right: 0.000+/-0.000 χ^2/NDF: 18253041.7/56

In: 0.000+/-0.000 χ^2/NDF:13242972.6/48

Out: 0.000+/-0.000 χ^2/NDF:18271033.0/55

All: 0.000+/-0.000 χ^2/NDF: 31632081.6/104

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 14.718+/-72.924 χ^2/NDF: 19.2/25

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

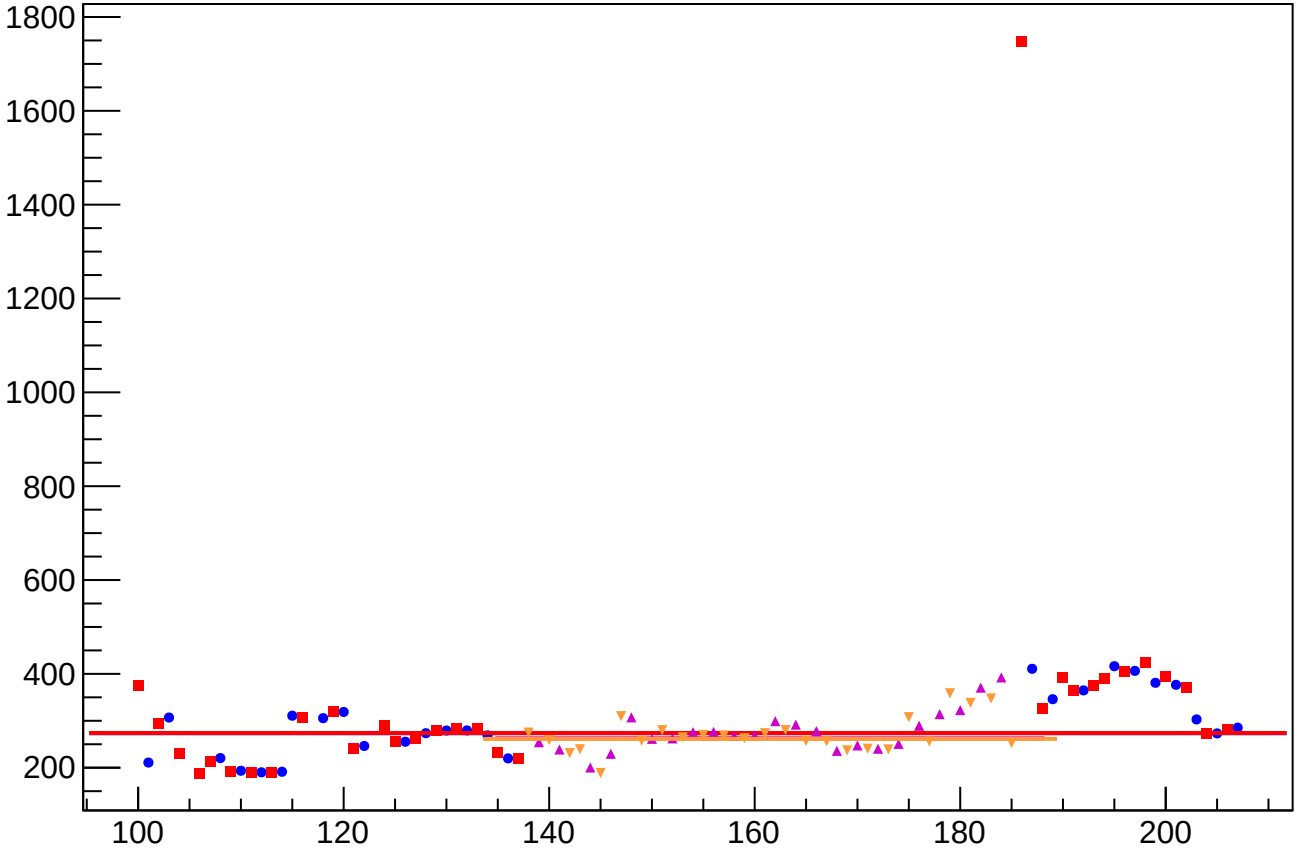
Right: 54.808+/-50.777 χ^2/NDF: 47.7/56

In: 192.519+/-47.286 χ^2/NDF:55.7/48

Out: 244.076+/-45.825 χ^2/NDF:68.1/55

All: 219.107+/-32.907 χ^2/NDF: 124.4/104

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.479+/-0.052 χ^2/NDF: 1551505.5/25

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

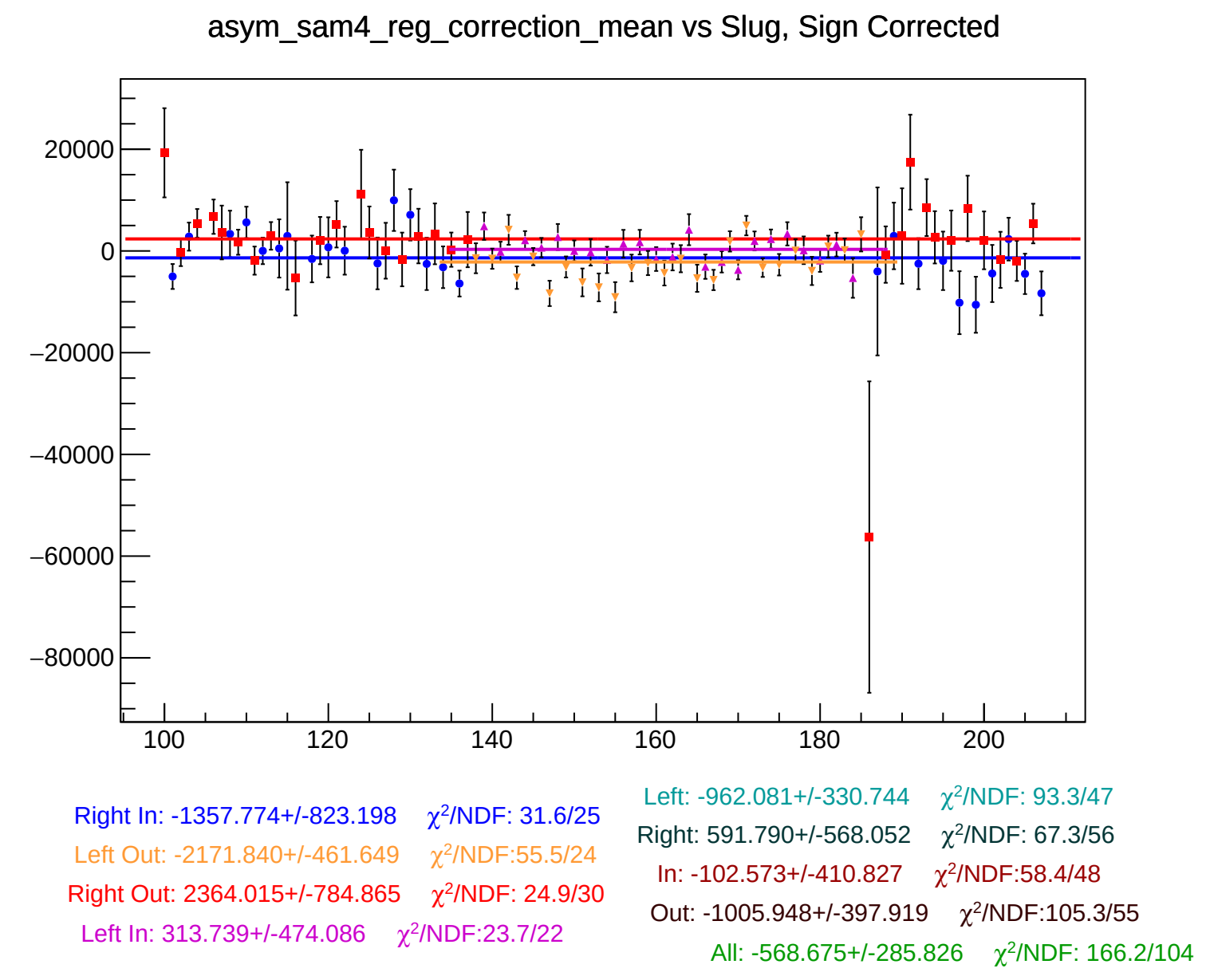
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

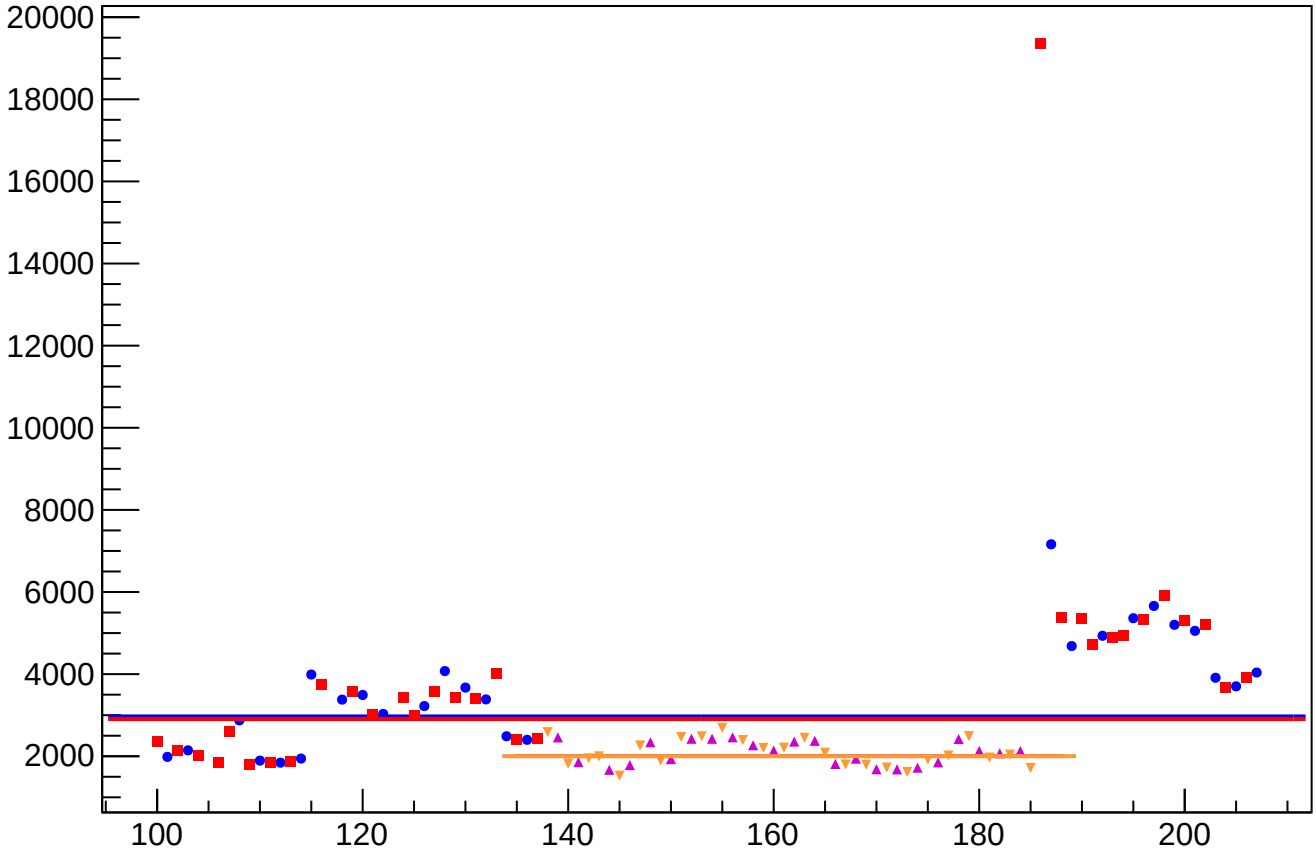
Right: 273.724+/-0.036 χ^2/NDF: 4073490.2/56

In: 267.183+/-0.033 χ^2/NDF:2247870.0/48

Out: 266.708+/-0.032 χ^2/NDF:3273562.1/55

All: 266.938+/-0.023 χ^2/NDF: 5521536.3/104


asym_sam4_reg_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1357.774+/-823.198 χ²/NDF: 31.6/25
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: 591.790+/-568.052 χ²/NDF: 67.3/56
In: -102.573+/-410.827 χ²/NDF:58.4/48
Out: -1005.948+/-397.919 χ²/NDF:105.3/55
All: -568.675+/-285.826 χ²/NDF: 166.2/104



Right In: 2969.580+/-0.582 χ^2/NDF: 3676836.9/25

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

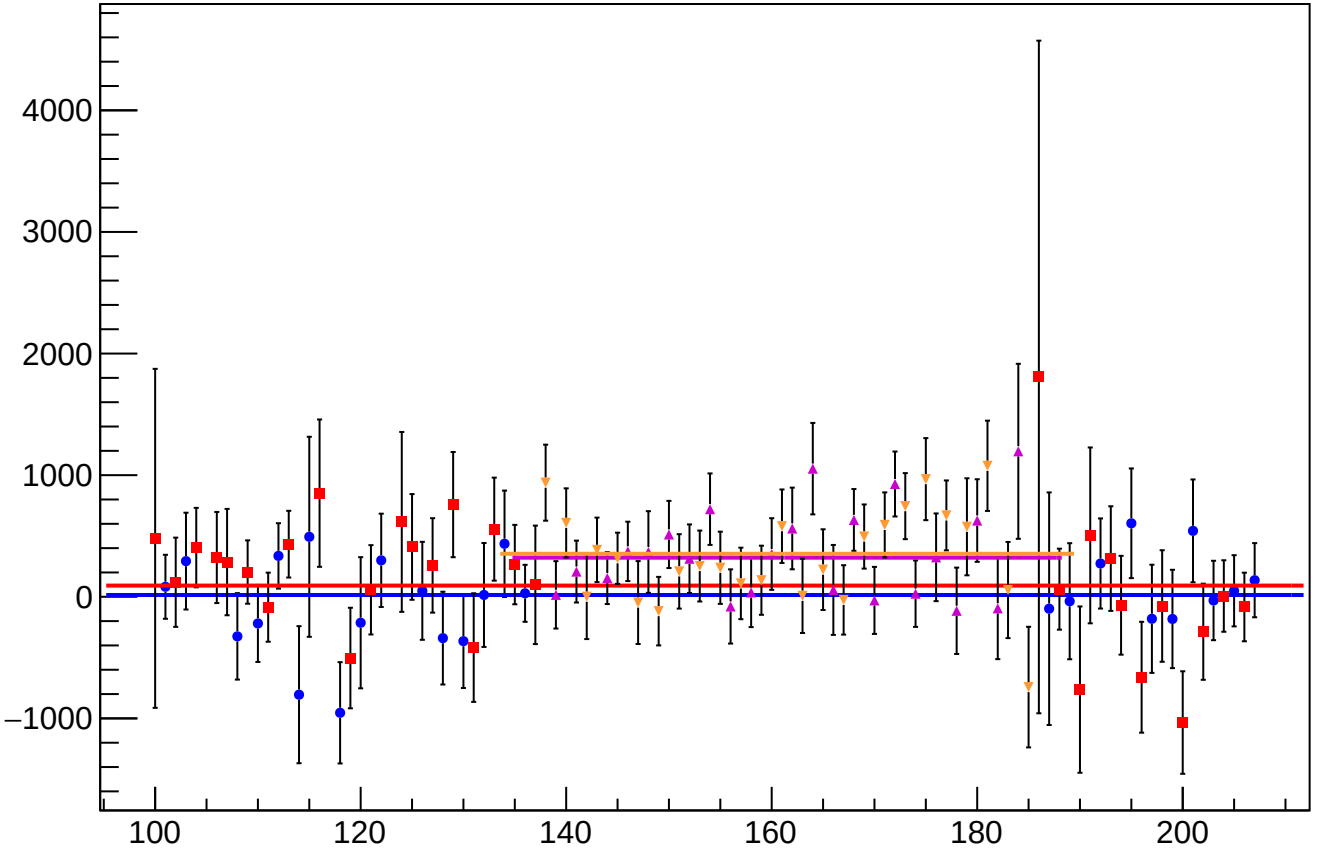
Right: 2935.413+/-0.402 χ^2/NDF: 8958711.7/56

In: 2244.673+/-0.290 χ^2/NDF:6447048.5/48

Out: 2234.110+/-0.281 χ^2/NDF:8131087.7/55

All: 2239.223+/-0.202 χ^2/NDF: 14578818.4/1

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 14.705+/-72.924 χ^2/NDF: 19.2/25

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

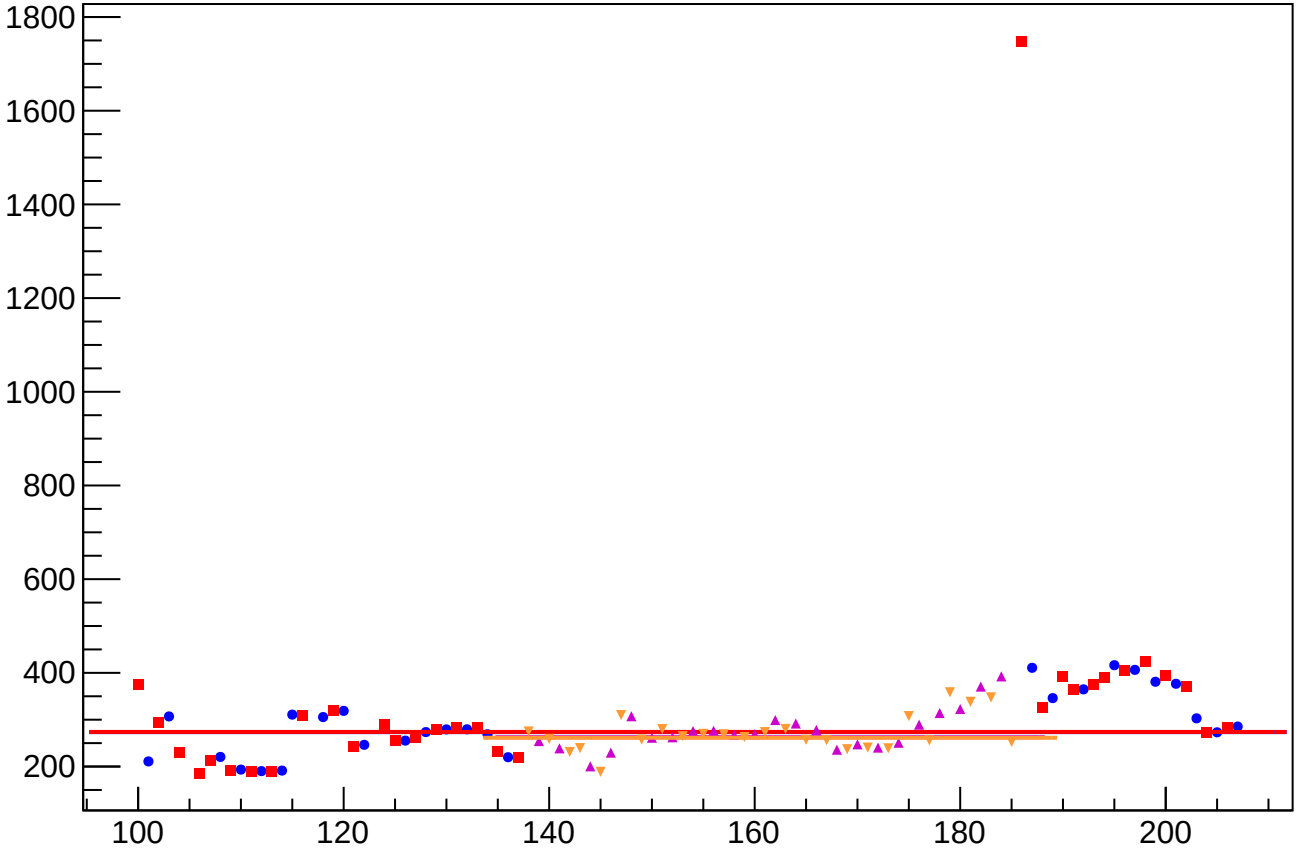
Right: 54.573+/-50.780 χ^2/NDF: 47.6/56

In: 192.517+/-47.286 χ^2/NDF:55.7/48

Out: 243.919+/-45.827 χ^2/NDF:68.1/55

All: 219.023+/-32.908 χ^2/NDF: 124.4/104

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.479+/-0.052 χ^2/NDF: 1551506.9/25

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

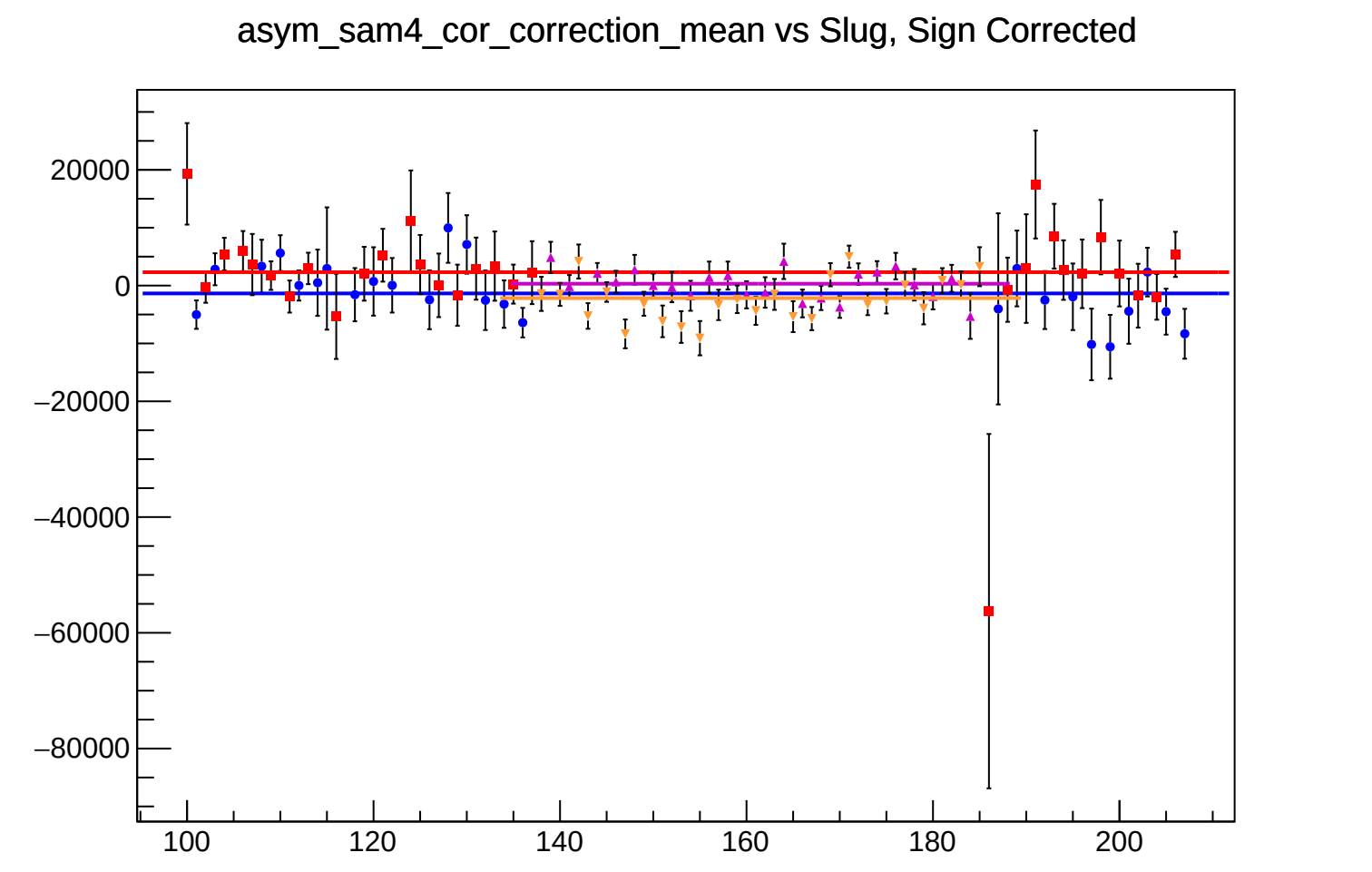
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.687+/-0.036 χ^2/NDF: 4079343.3/56

In: 267.183+/-0.033 χ^2/NDF:2247871.6/48

Out: 266.678+/-0.032 χ^2/NDF:3279012.4/55

All: 266.923+/-0.023 χ^2/NDF: 5527002.0/104



Right In: -1357.907+/-823.204 χ^2/NDF: 31.6/25

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

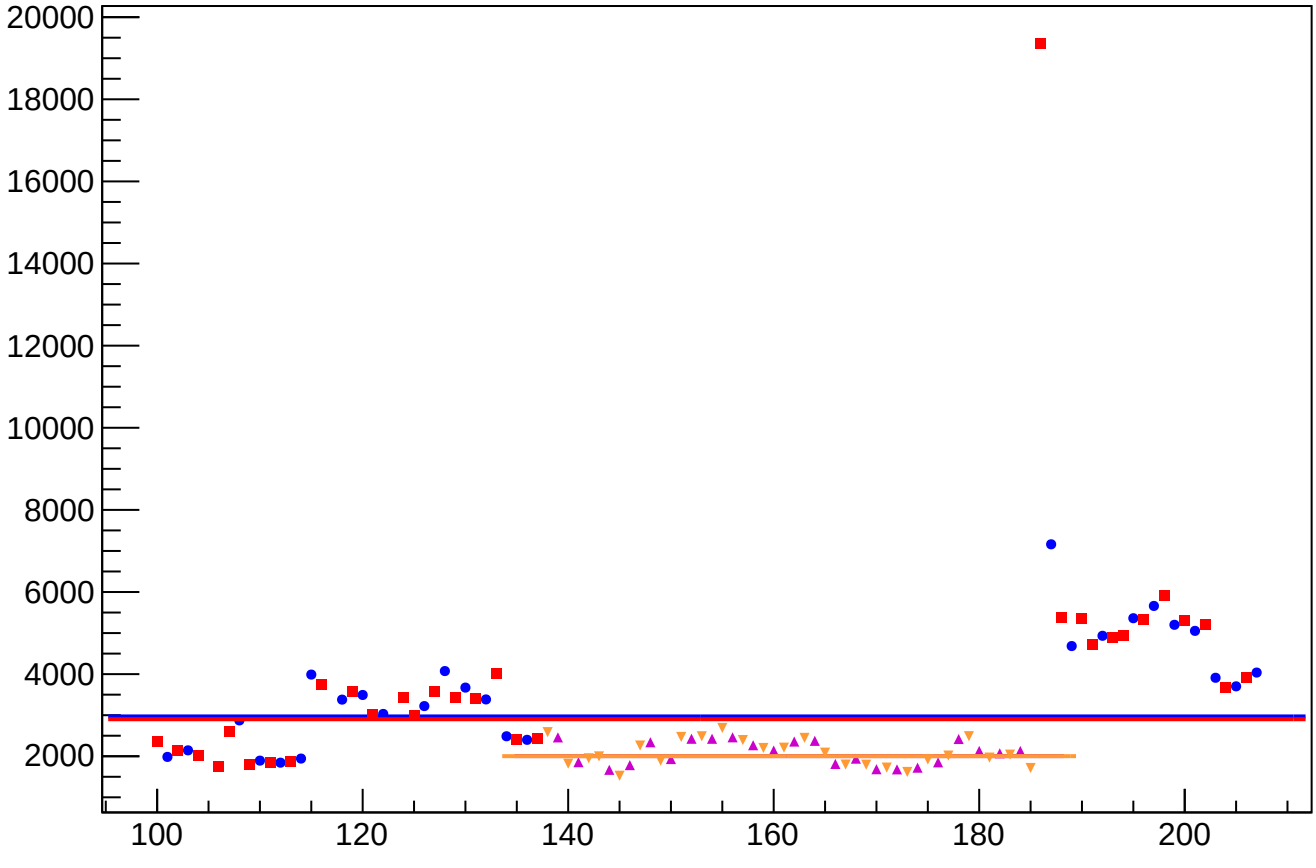
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 562.206+/-568.487 χ^2/NDF: 66.4/56

In: -102.597+/-410.828 χ^2/NDF:58.4/48

Out: -1021.602+/-398.068 χ^2/NDF:104.0/55

All: -576.593+/-285.881 χ^2/NDF: 165.0/104



Right In: 2969.605+/-0.582 χ^2/NDF: 3676740.2/25

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

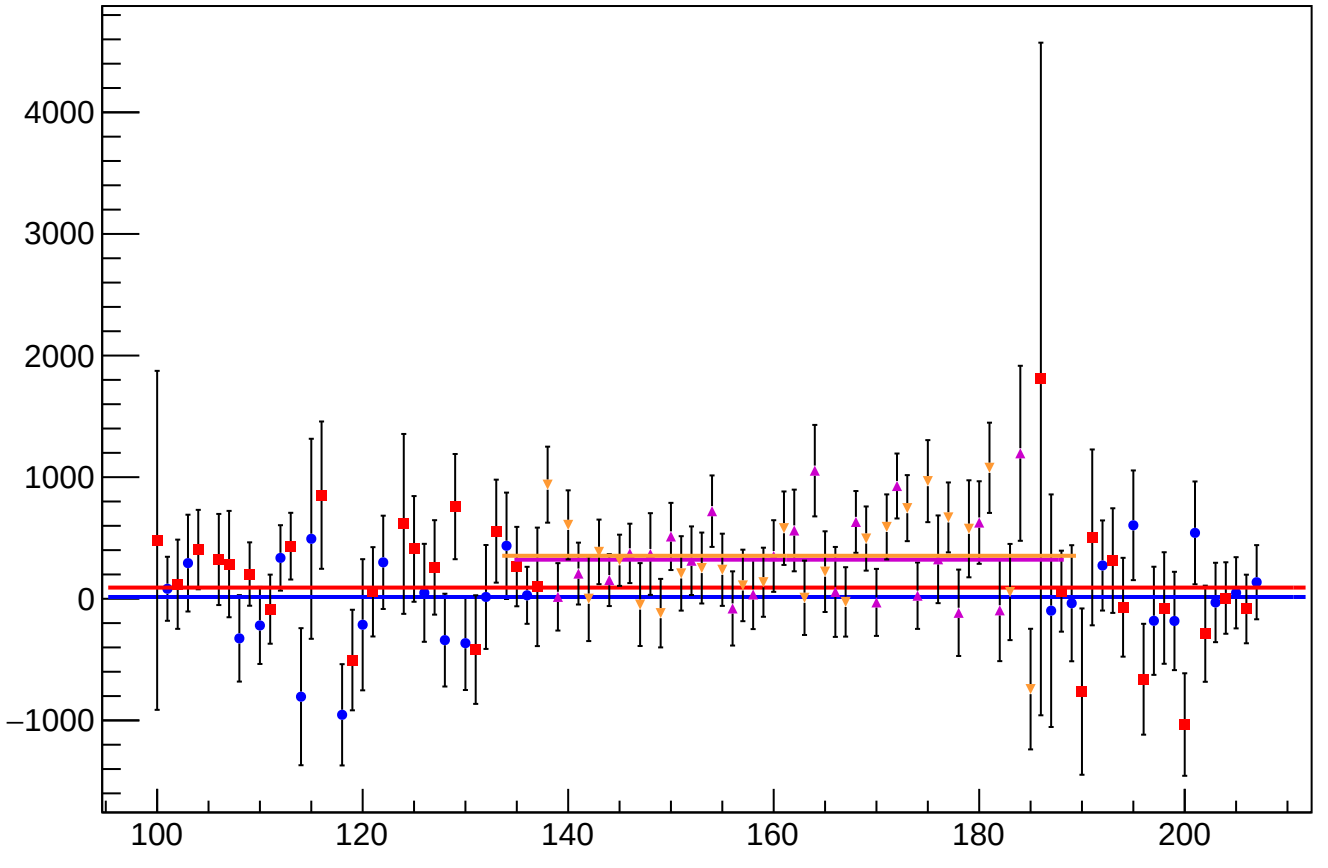
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2934.108+/-0.402 χ^2/NDF: 8989462.5/56

In: 2244.677+/-0.290 χ^2/NDF:6447038.1/48

Out: 2232.941+/-0.281 χ^2/NDF:8145858.5/55

All: 2238.624+/-0.202 χ^2/NDF: 14593738.5/1



Right In: 14.705+/-72.924 χ^2/NDF: 19.2/25

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

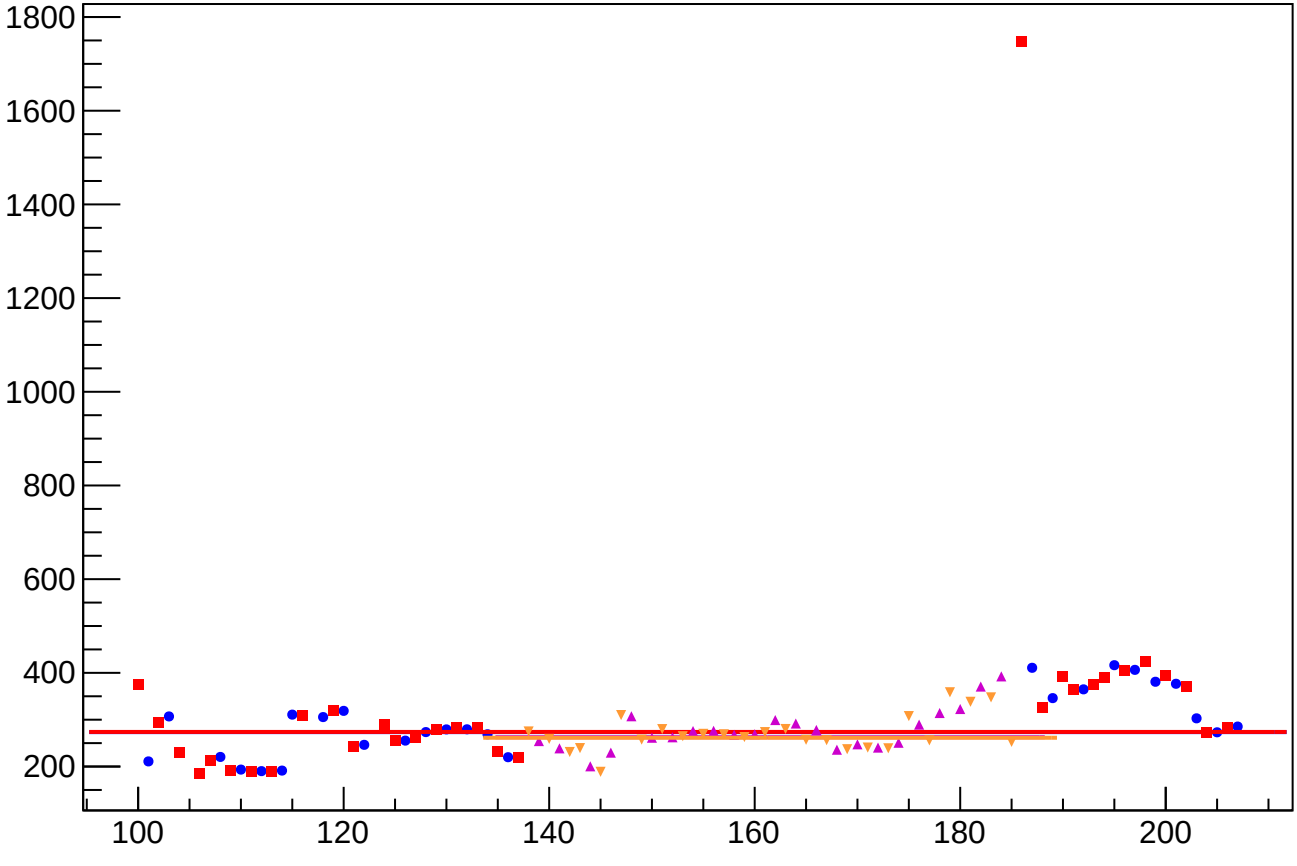
Right: 54.573+/-50.780 χ^2/NDF: 47.6/56

In: 192.517+/-47.286 χ^2/NDF:55.7/48

Out: 243.919+/-45.827 χ^2/NDF:68.1/55

All: 219.023+/-32.908 χ^2/NDF: 124.4/104

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 273.479+/-0.052 χ^2/NDF: 1551506.9/25

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

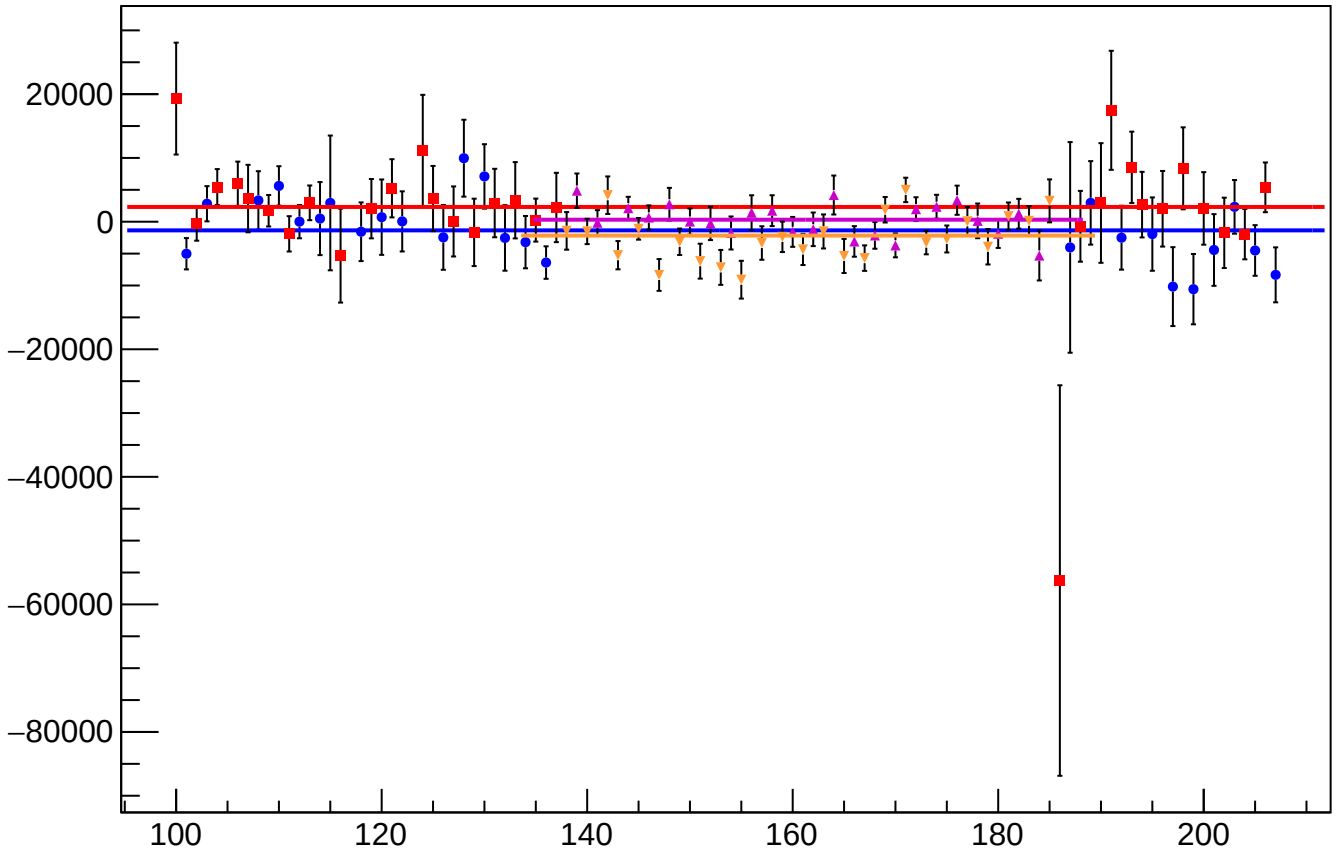
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.687+/-0.036 χ^2/NDF: 4079343.3/56

In: 267.183+/-0.033 χ^2/NDF:2247871.6/48

Out: 266.678+/-0.032 χ^2/NDF:3279012.4/55

All: 266.923+/-0.023 χ^2/NDF: 5527002.0/104



Right In: -1357.907+/-823.204 χ^2/NDF: 31.6/25

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

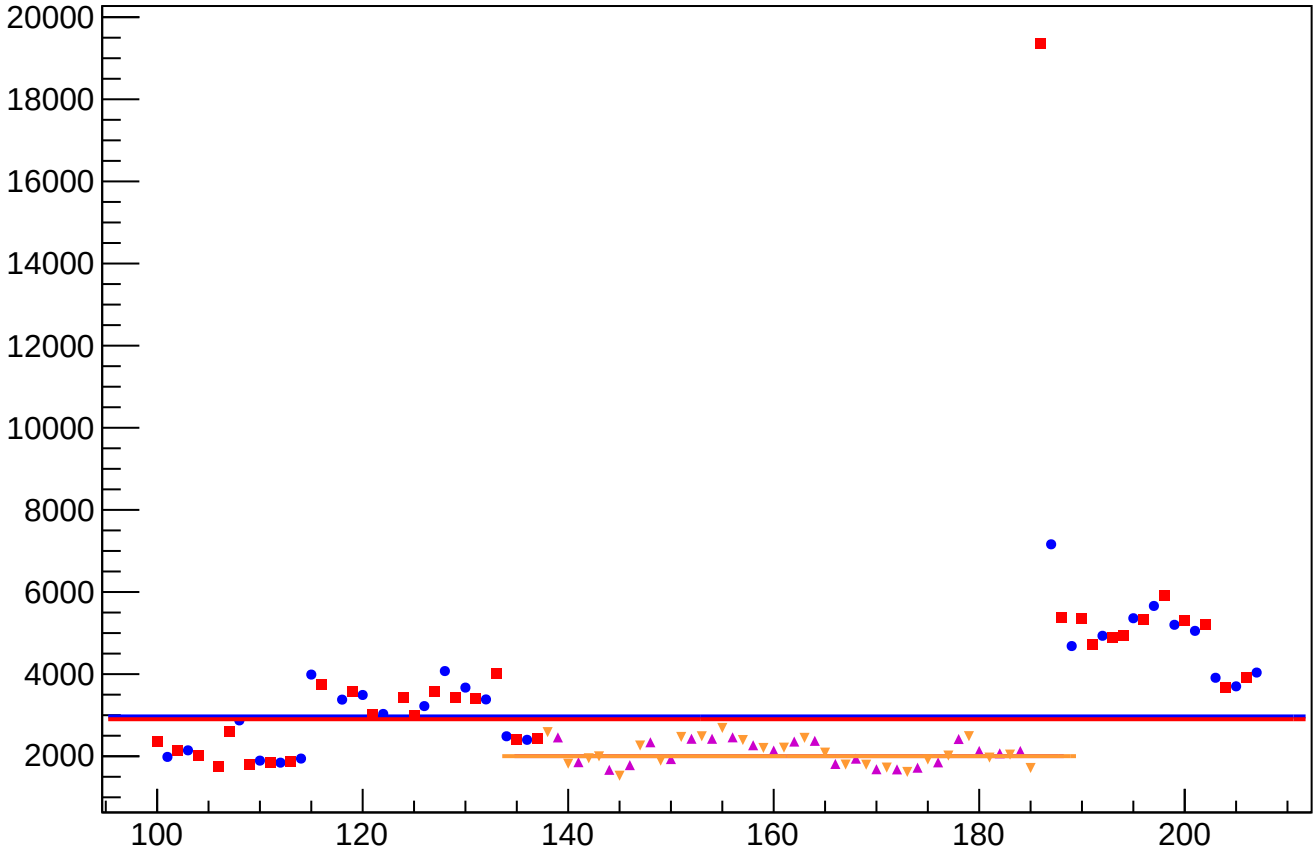
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 562.206+/-568.487 χ^2/NDF: 66.4/56

In: -102.597+/-410.828 χ^2/NDF:58.4/48

Out: -1021.602+/-398.068 χ^2/NDF:104.0/55

All: -576.593+/-285.881 χ^2/NDF: 165.0/104



Right In: 2969.605+/-0.582 χ^2/NDF: 3676740.2/25

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

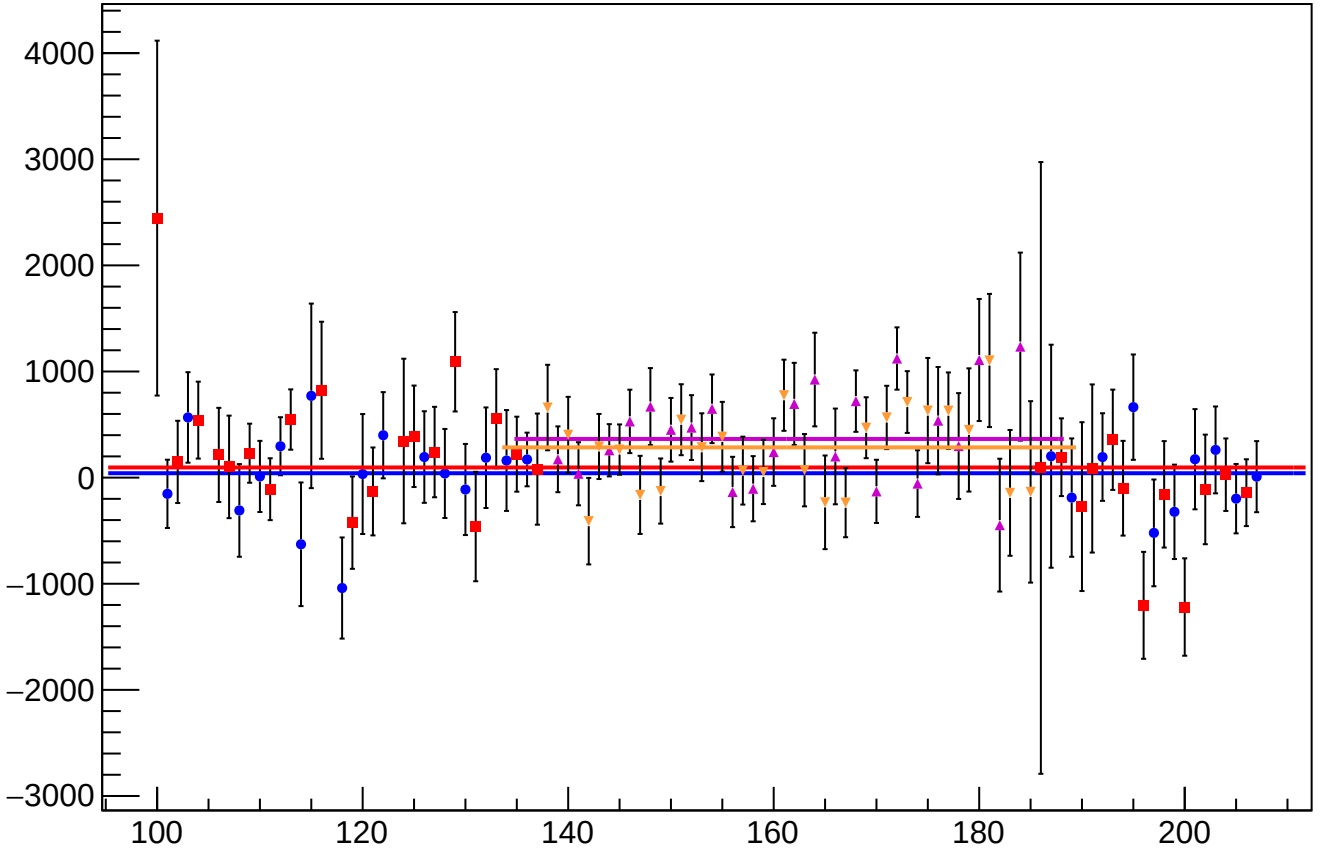
Right: 2934.108+/-0.402 χ^2/NDF: 8989462.5/56

In: 2244.677+/-0.290 χ^2/NDF:6447038.1/48

Out: 2232.941+/-0.281 χ^2/NDF:8145858.5/55

All: 2238.624+/-0.202 χ^2/NDF: 14593738.5/1

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 41.404+/-80.753 χ^2/NDF: 16.8/25

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

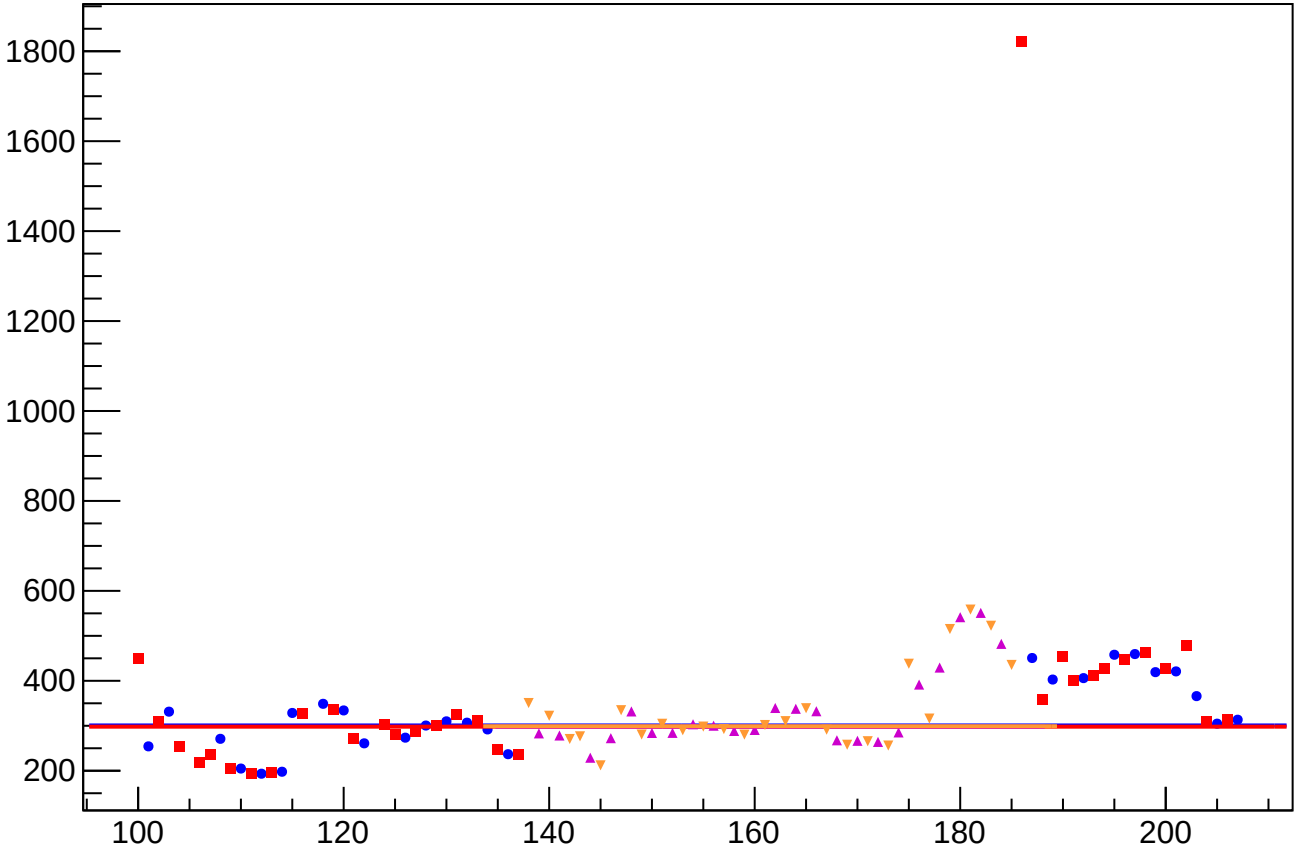
Right: 69.561+/-55.960 χ^2/NDF: 50.9/56

In: 221.852+/-53.622 χ^2/NDF:53.9/48

Out: 199.941+/-51.998 χ^2/NDF:60.0/55

All: 210.560+/-37.329 χ^2/NDF: 114.0/104

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 300.732+/-0.057 χ^2/NDF: 1745203.6/25

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

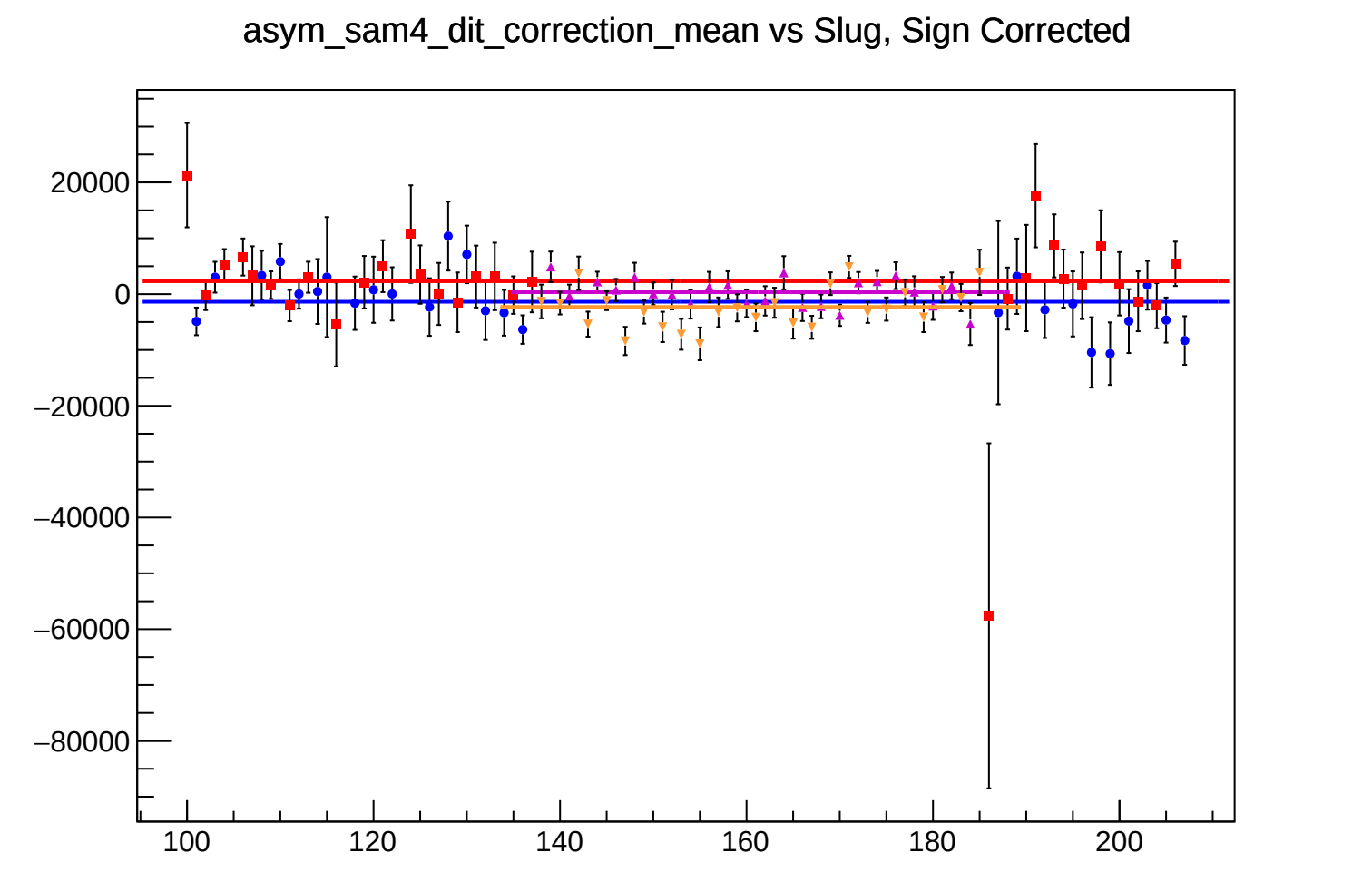
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 299.324+/-0.040 χ^2/NDF: 4553067.6/56

In: 299.141+/-0.038 χ^2/NDF:3065655.5/48

Out: 298.527+/-0.037 χ^2/NDF:4419923.9/55

All: 298.824+/-0.026 χ^2/NDF: 7485714.3/104



Right In: -1366.425+/-831.877 χ^2/NDF: 31.6/25

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

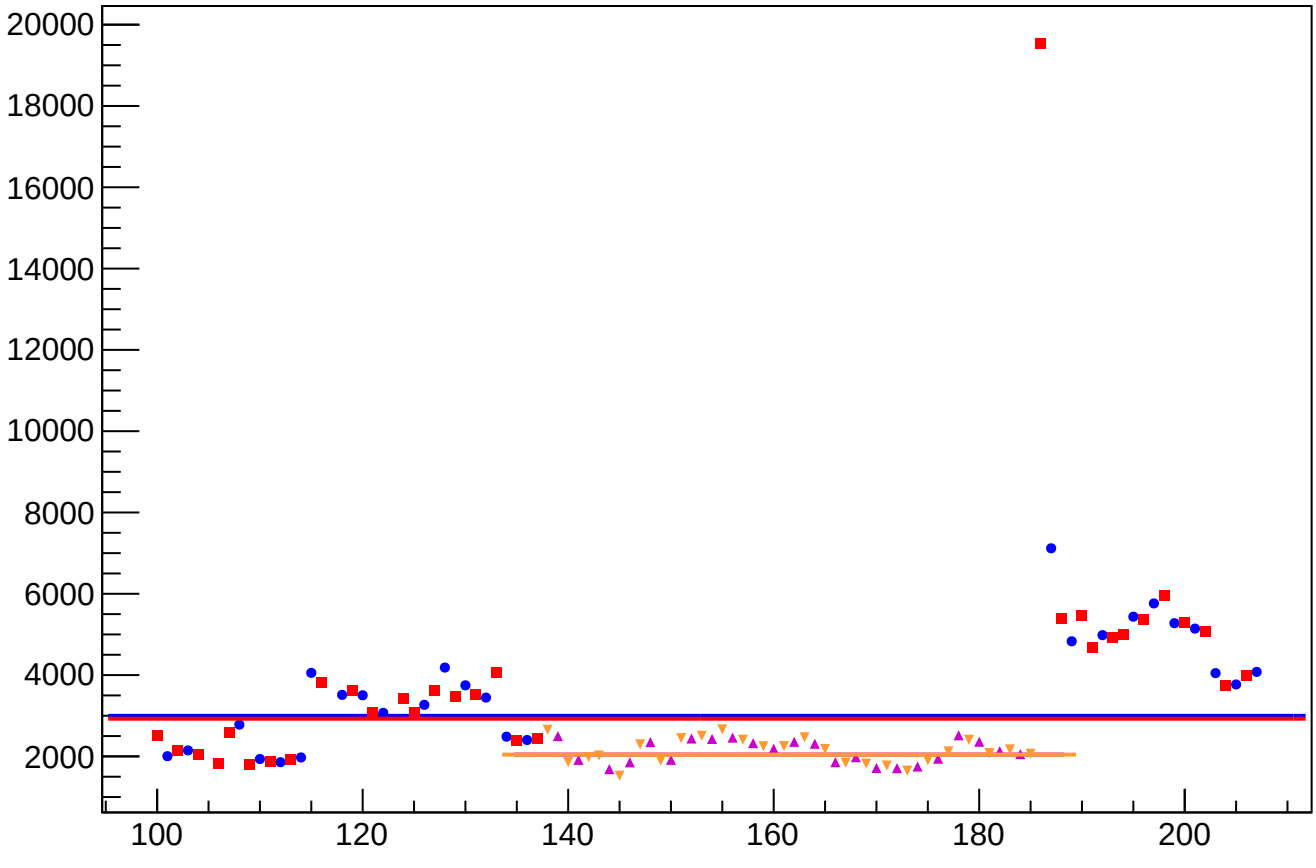
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 560.103+/-573.200 χ^2/NDF: 67.1/56

In: -89.081+/-418.090 χ^2/NDF:57.6/48

Out: -1090.515+/-404.373 χ^2/NDF:101.9/55

All: -606.494+/-290.663 χ^2/NDF: 162.4/104



Right In: 2997.487+/-0.588 χ^2/NDF: 3760738.2/25

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

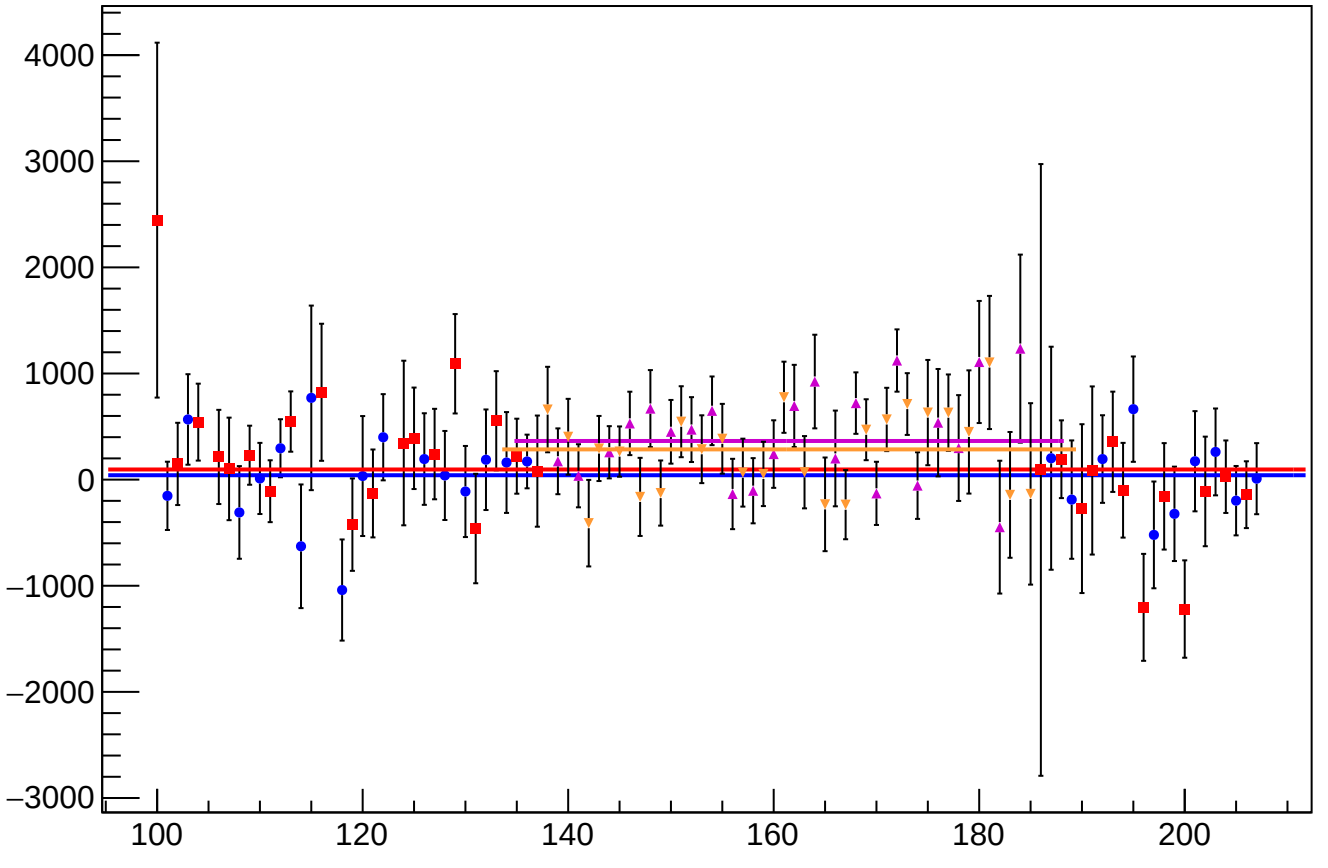
Left: 2044.442+/-0.238 χ^2/NDF: 1543620.1/47

Right: 2960.785+/-0.405 χ^2/NDF: 9041573.8/56

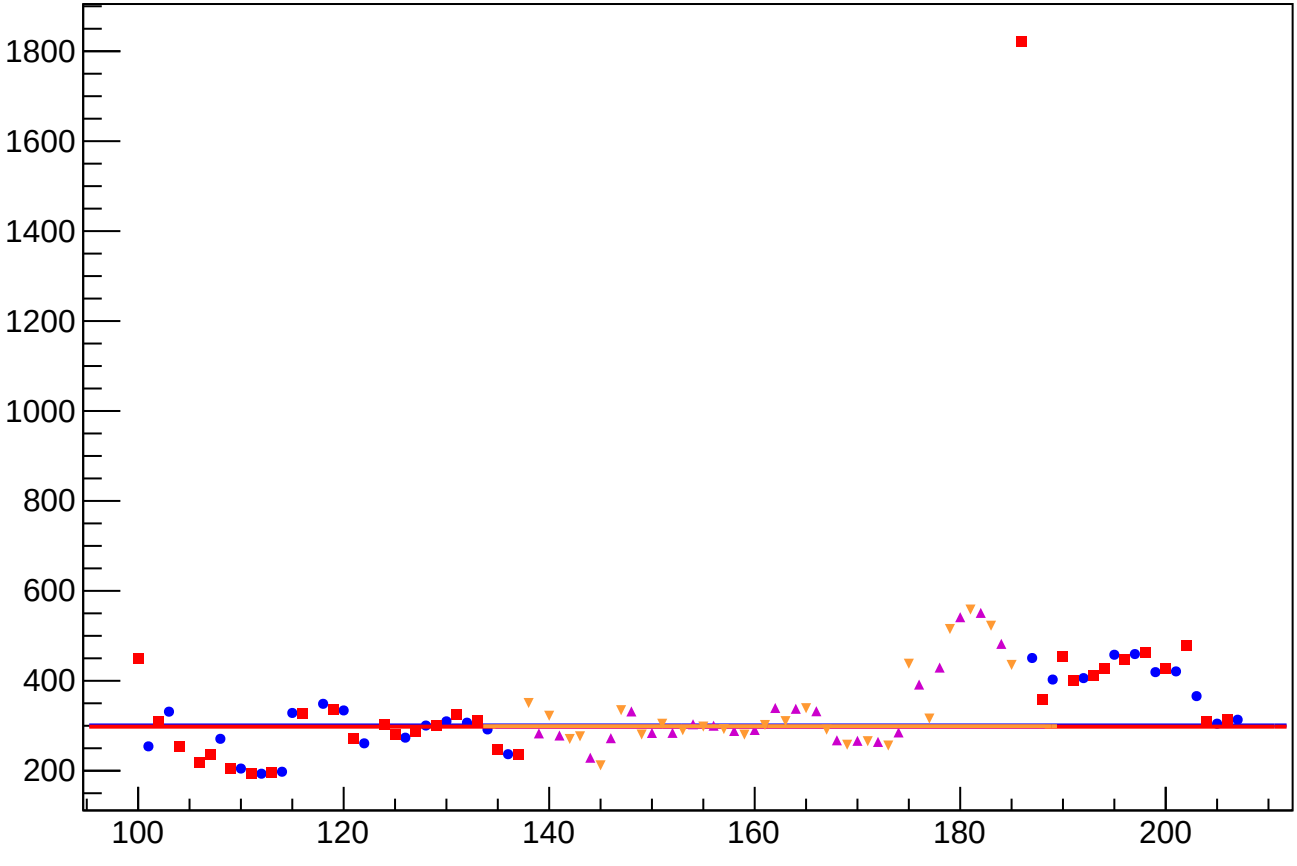
In: 2285.724+/-0.296 χ^2/NDF:6409914.2/48

Out: 2274.781+/-0.286 χ^2/NDF:7971581.6/55

All: 2280.070+/-0.206 χ^2/NDF: 14382203.7/1


eigen_dit_asym_sam4_mean vs Slug, Sign Corrected
4000
3000
2000
1000
0
−1000
−2000
−3000
100
120
140
160
180
200
Right In: 41.408+/-80.753 χ²/NDF: 16.8/25
Left Out: 284.918+/-70.036 χ²/NDF:22.8/24
Right Out: 95.575+/-77.619 χ²/NDF: 33.9/30
Left In: 364.164+/-71.714 χ²/NDF:28.2/22
Left: 323.603+/-50.106 χ²/NDF: 51.7/47
Right: 69.563+/-55.960 χ²/NDF: 50.9/56
In: 221.855+/-53.622 χ²/NDF:53.9/48
Out: 199.944+/-51.998 χ²/NDF:60.0/55
All: 210.563+/-37.329 χ²/NDF: 114.0/104

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 300.732+/-0.057 χ^2/NDF: 1745190.8/25

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

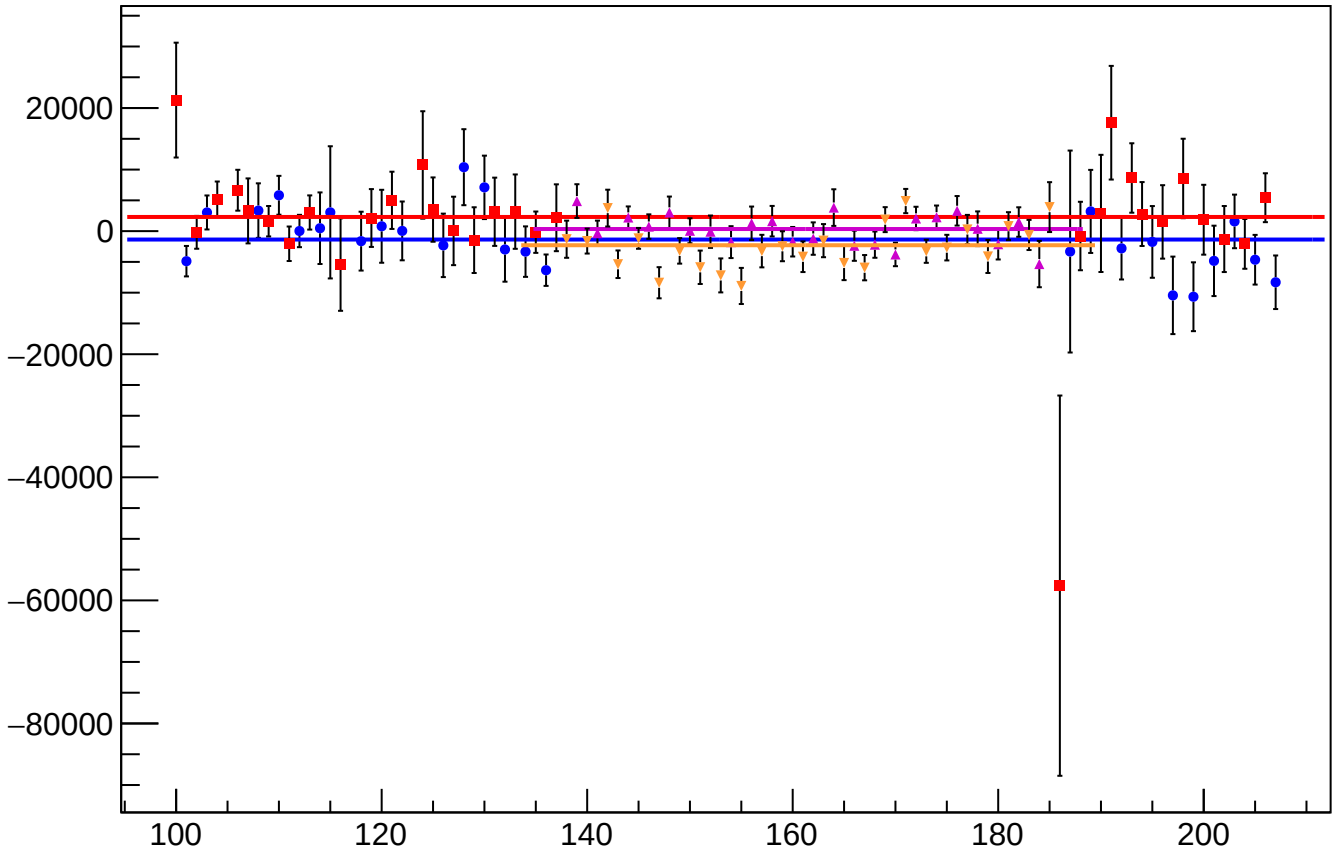
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 299.324+/-0.040 χ^2/NDF: 4553061.0/56

In: 299.141+/-0.038 χ^2/NDF:3065624.1/48

Out: 298.527+/-0.037 χ^2/NDF:4419927.5/55

All: 298.824+/-0.026 χ^2/NDF: 7485686.5/104



Right In: -1366.423+/-831.876 χ^2/NDF: 31.6/25

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

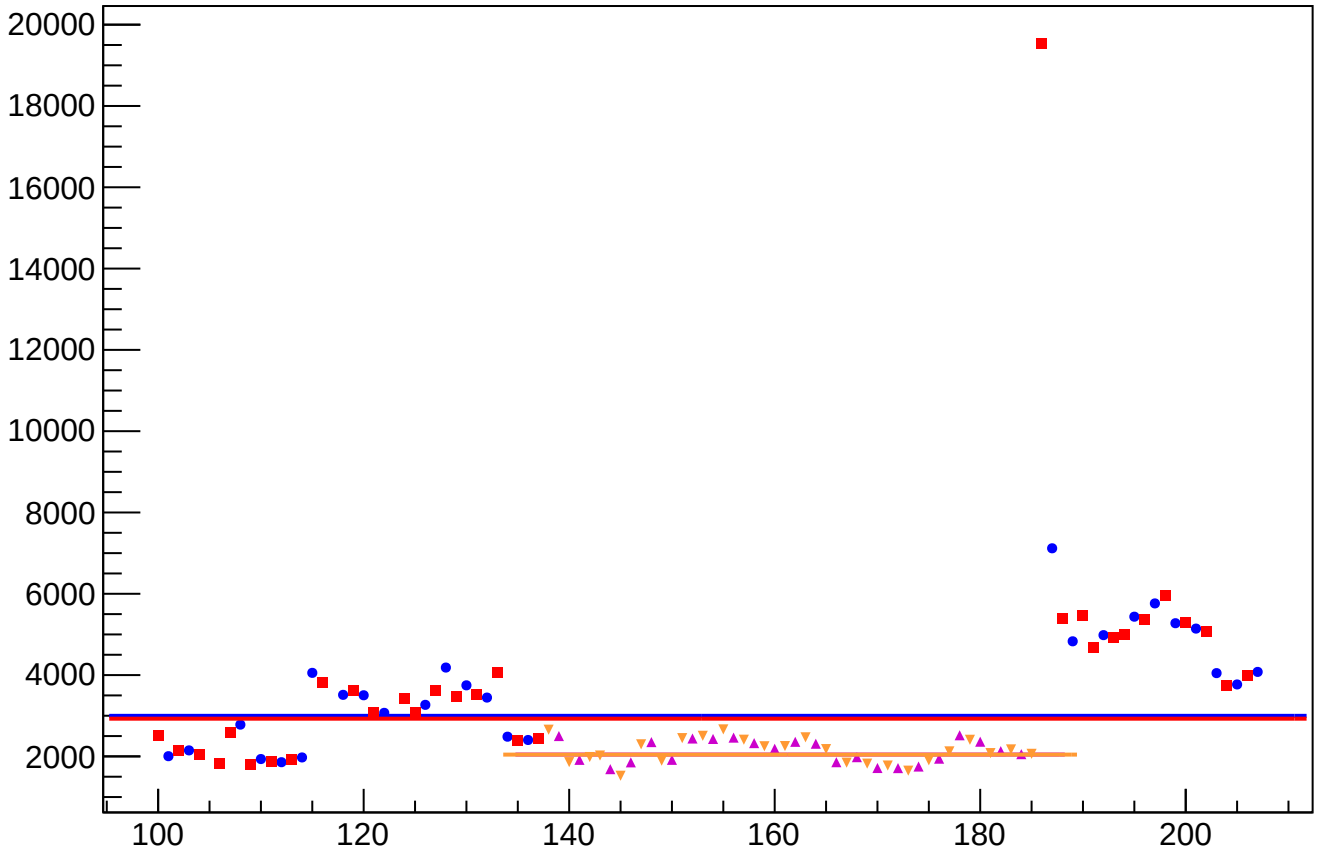
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 560.103+/-573.199 χ^2/NDF: 67.1/56

In: -89.082+/-418.089 χ^2/NDF:57.6/48

Out: -1090.513+/-404.373 χ^2/NDF:101.9/55

All: -606.494+/-290.663 χ^2/NDF: 162.4/104



Right In: 2997.485+/-0.588 χ^2/NDF: 3760736.0/25

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

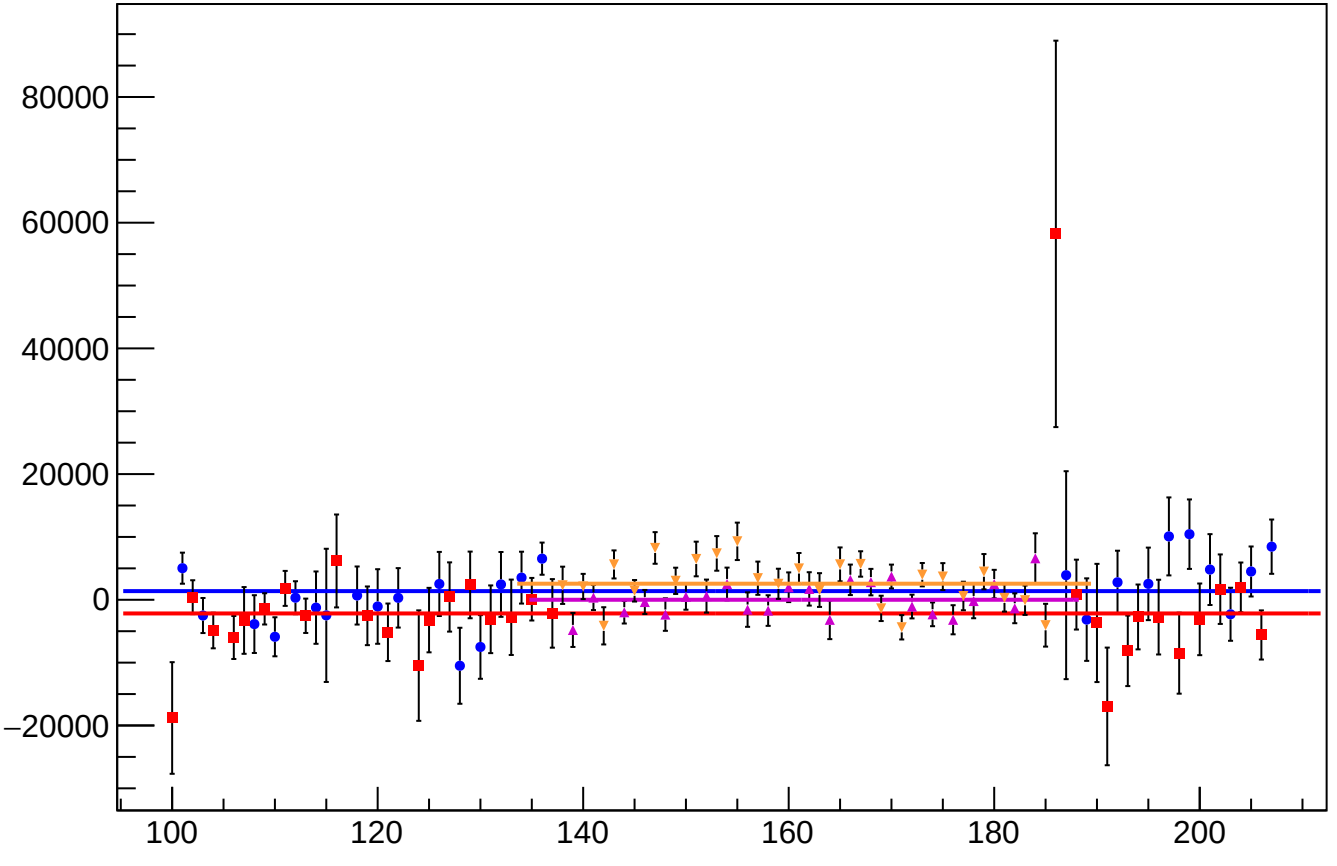
Right: 2960.783+/-0.405 χ^2/NDF: 9041567.3/56

In: 2285.721+/-0.296 χ^2/NDF:6409916.9/48

Out: 2274.778+/-0.286 χ^2/NDF:7971587.1/55

All: 2280.067+/-0.206 χ^2/NDF: 14382212.0/

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1379.731+/-827.248 χ^2/NDF: 32.7/25

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

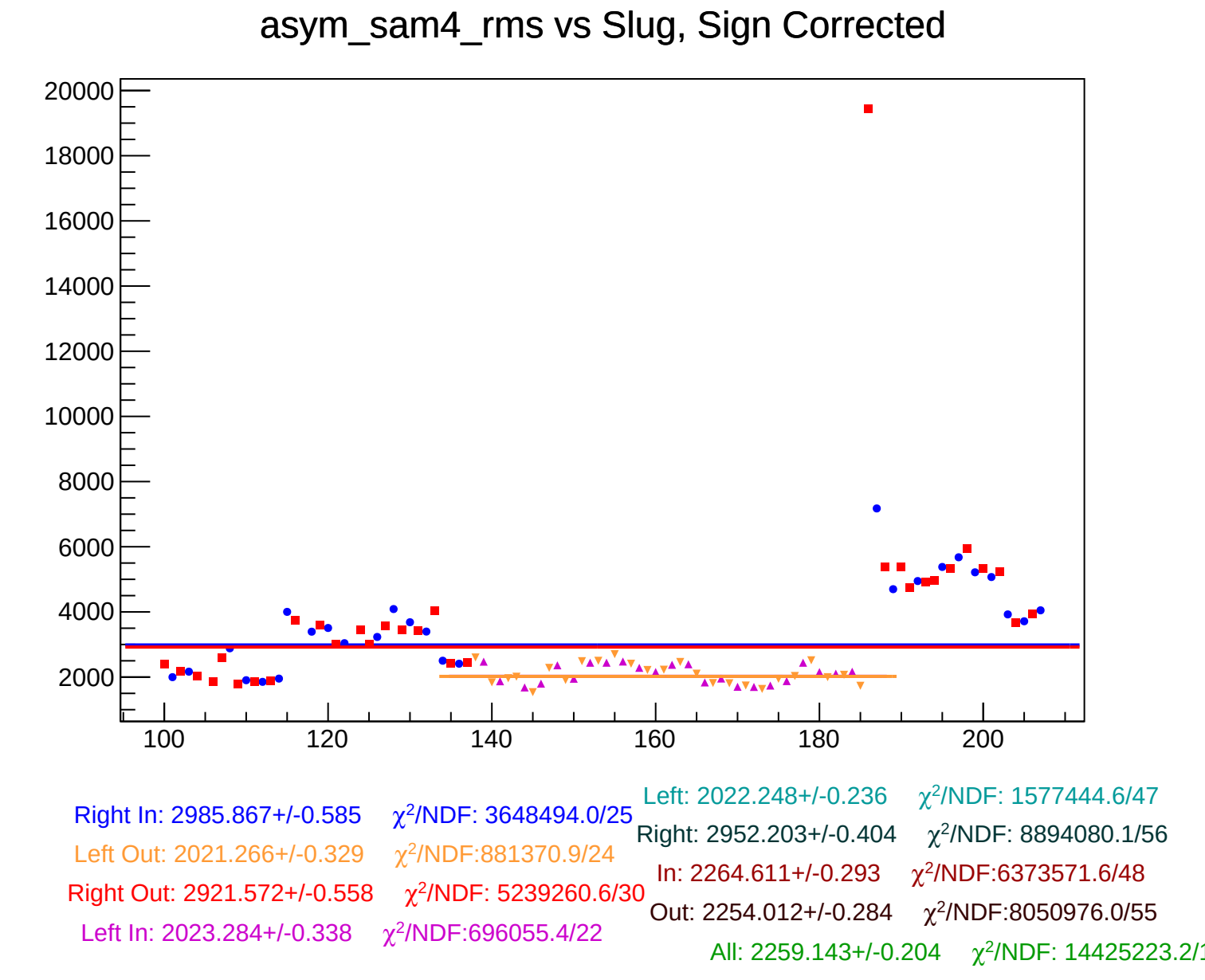
Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

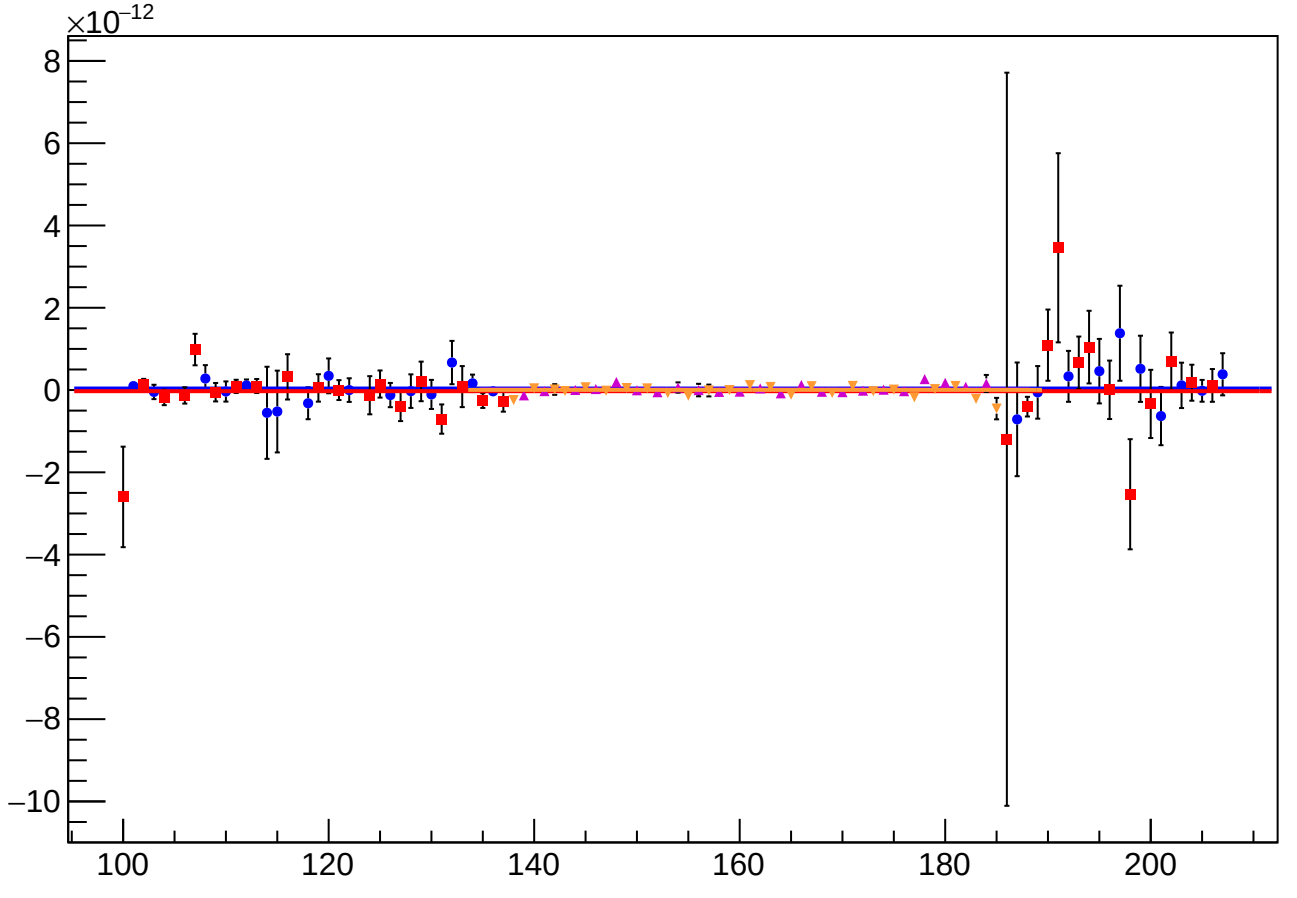
Right: -481.137+/-570.992 χ^2/NDF: 66.4/56

In: 348.513+/-414.209 χ^2/NDF:59.5/48

Out: 1335.367+/-401.221 χ^2/NDF:103.4/55

All: 857.654+/-288.189 χ^2/NDF: 165.8/104


asym_sam4_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2985.867+/-0.585 χ²/NDF: 3648494.0/25
Left Out: 2021.266+/-0.329 χ²/NDF:881370.9/24
Right Out: 2921.572+/-0.558 χ²/NDF: 5239260.6/30
Left In: 2023.284+/-0.338 χ²/NDF:696055.4/22
Left: 2022.248+/-0.236 χ²/NDF: 1577444.6/47
Right: 2952.203+/-0.404 χ²/NDF: 8894080.1/56
In: 2264.611+/-0.293 χ²/NDF:6373571.6/48
Out: 2254.012+/-0.284 χ²/NDF:8050976.0/55
All: 2259.143+/-0.204 χ²/NDF: 14425223.2/



Right In: 0.000+/-0.000 χ^2/NDF: 10.1/25

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

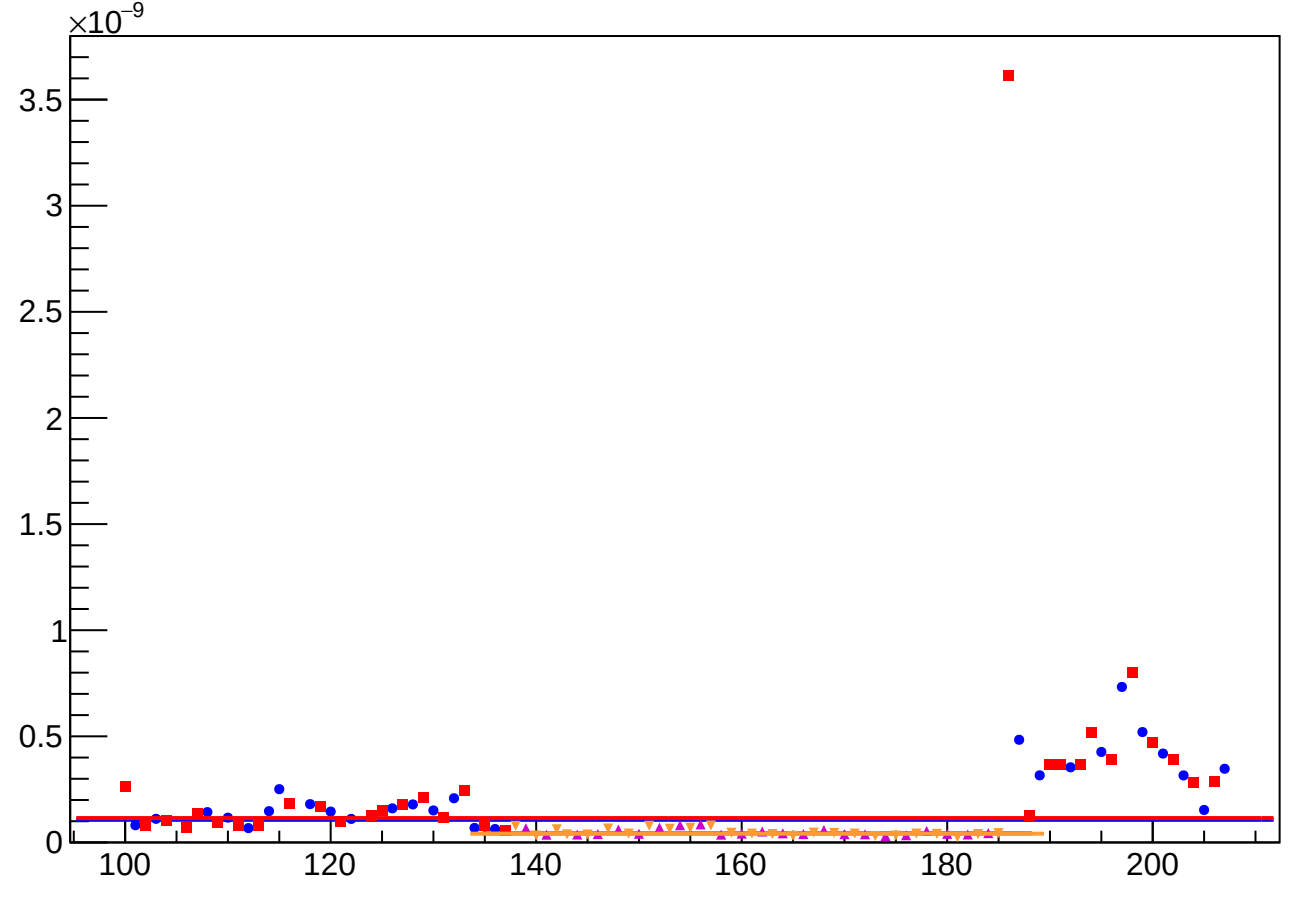
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 48.3/56

In: 0.000+/-0.000 χ^2/NDF:31.2/48

Out: 0.000+/-0.000 χ^2/NDF:69.8/55

All: 0.000+/-0.000 χ^2/NDF: 101.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 4428406.7/25

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

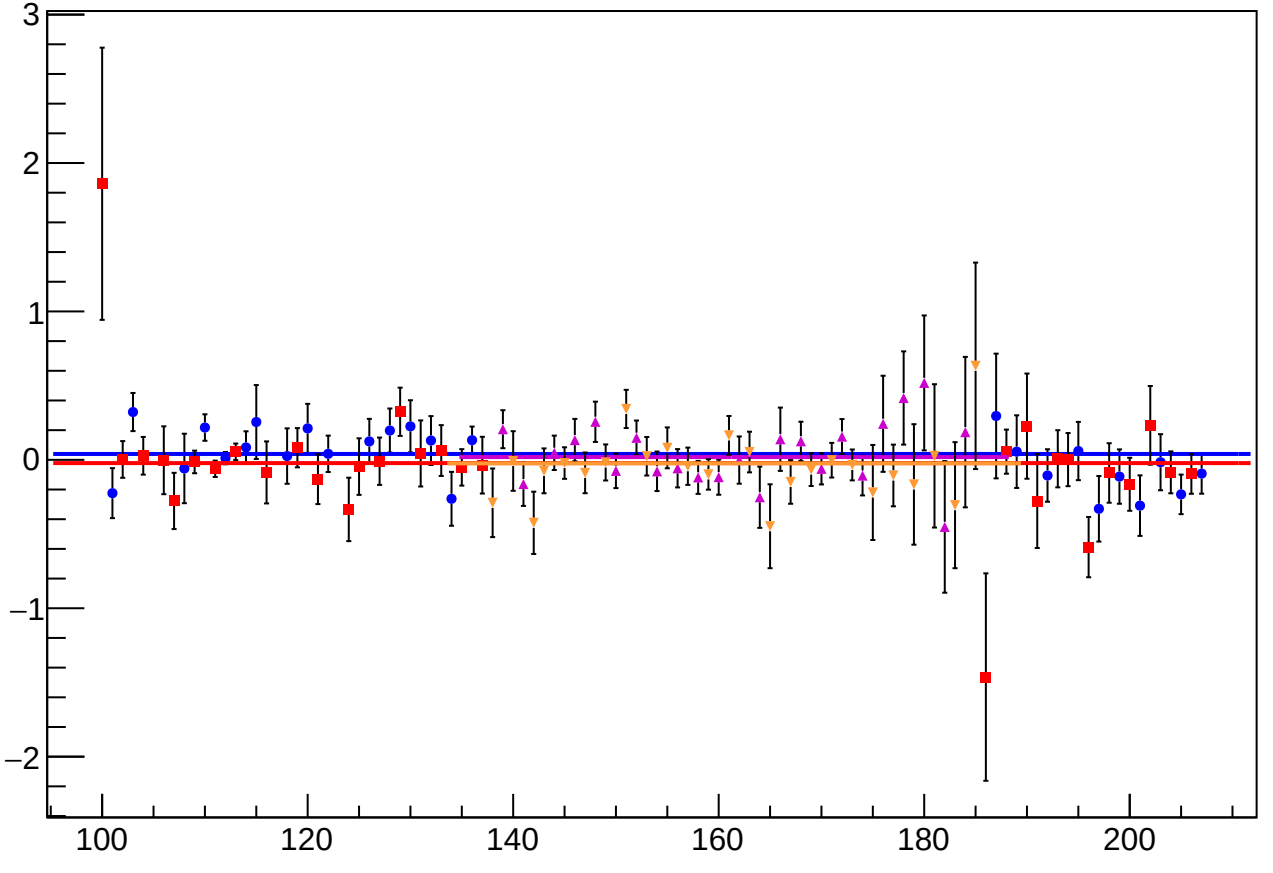
Right: 0.000+/-0.000 χ^2/NDF: 8930581.4/56

In: 0.000+/-0.000 χ^2/NDF:8243013.7/48

Out: 0.000+/-0.000 χ^2/NDF:9287194.7/55

All: 0.000+/-0.000 χ^2/NDF: 17547062.4/104

asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.025 χ^2/NDF: 33.3/25

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

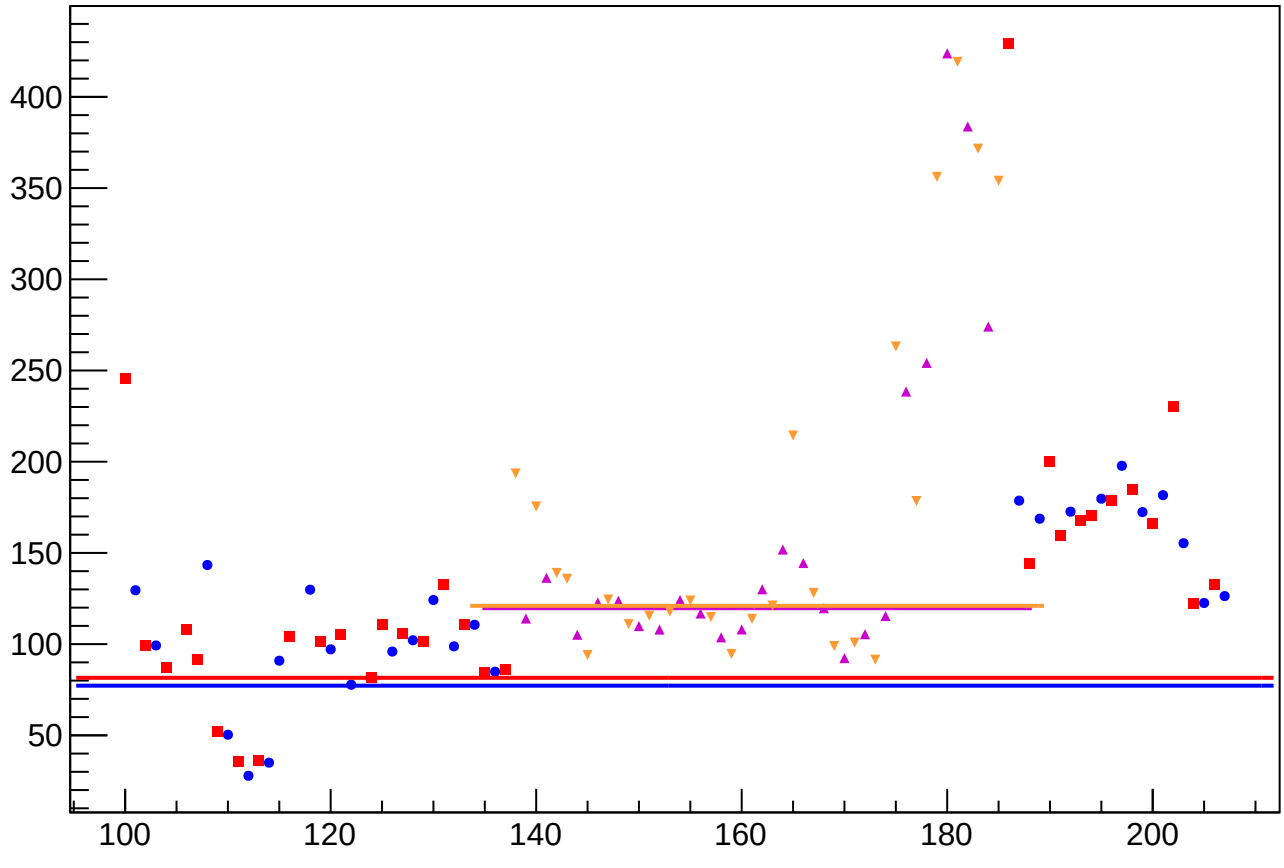
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.008+/-0.017 χ^2/NDF: 68.9/56

In: 0.031+/-0.019 χ^2/NDF:56.6/48

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.004+/-0.013 χ^2/NDF: 115.2/104



Right In: 77.222+/-0.017 χ^2/NDF: 8333614.1/25

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

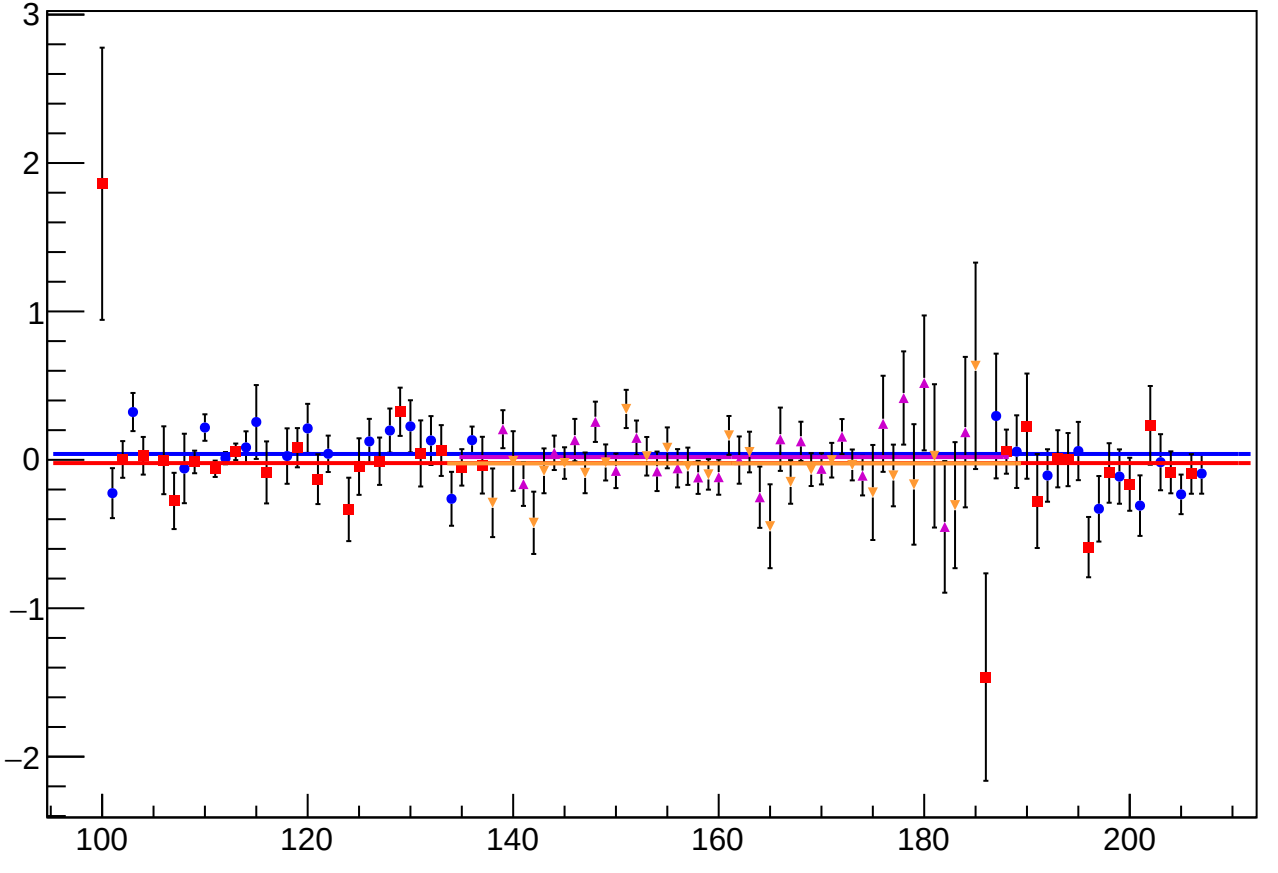
Right: 79.411+/-0.012 χ^2/NDF: 16534561.8/56

In: 94.068+/-0.013 χ^2/NDF:13552356.6/48

Out: 97.122+/-0.013 χ^2/NDF:14372186.4/55

All: 95.615+/-0.009 χ^2/NDF: 27950607.9/104

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.025 χ^2/NDF: 33.3/25

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

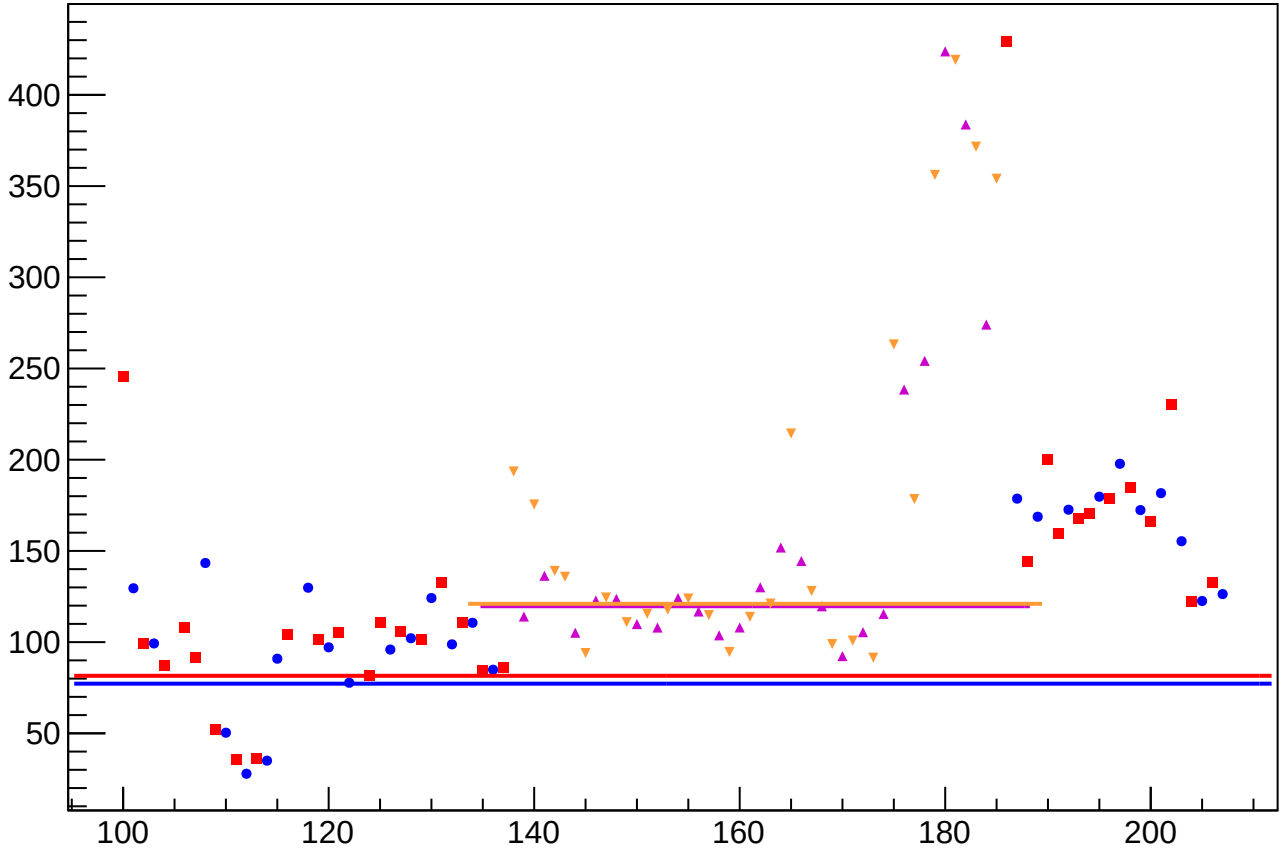
Right: 0.008+/-0.017 χ^2/NDF: 68.9/56

In: 0.031+/-0.019 χ^2/NDF:56.6/48

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.004+/-0.013 χ^2/NDF: 115.2/104

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 77.222+/-0.017 χ^2/NDF: 8333614.1/25

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

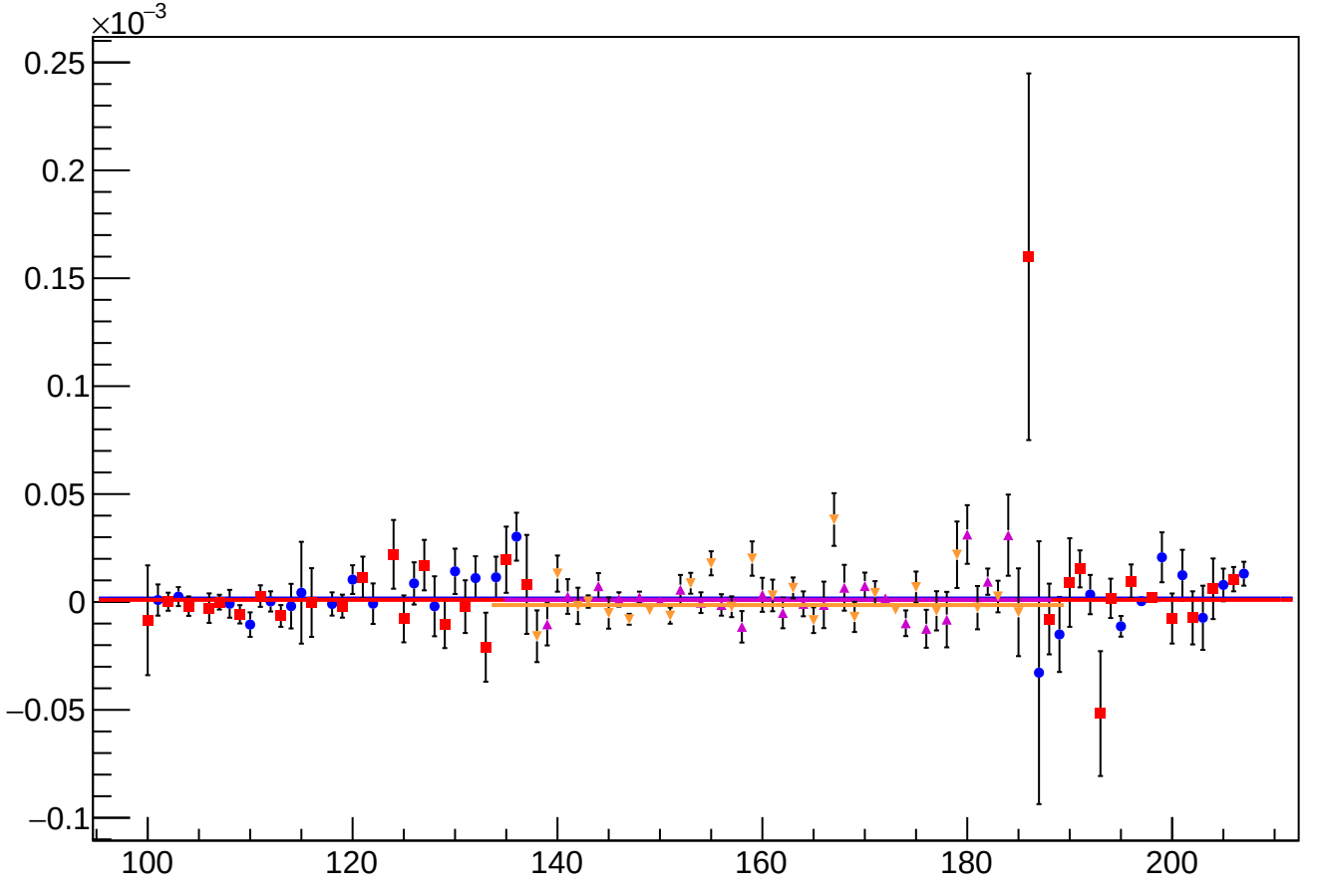
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 79.411+/-0.012 χ^2/NDF: 16534561.8/56

In: 94.068+/-0.013 χ^2/NDF:13552356.6/48

Out: 97.122+/-0.013 χ^2/NDF:14372186.4/55

All: 95.615+/-0.009 χ^2/NDF: 27950607.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/25

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

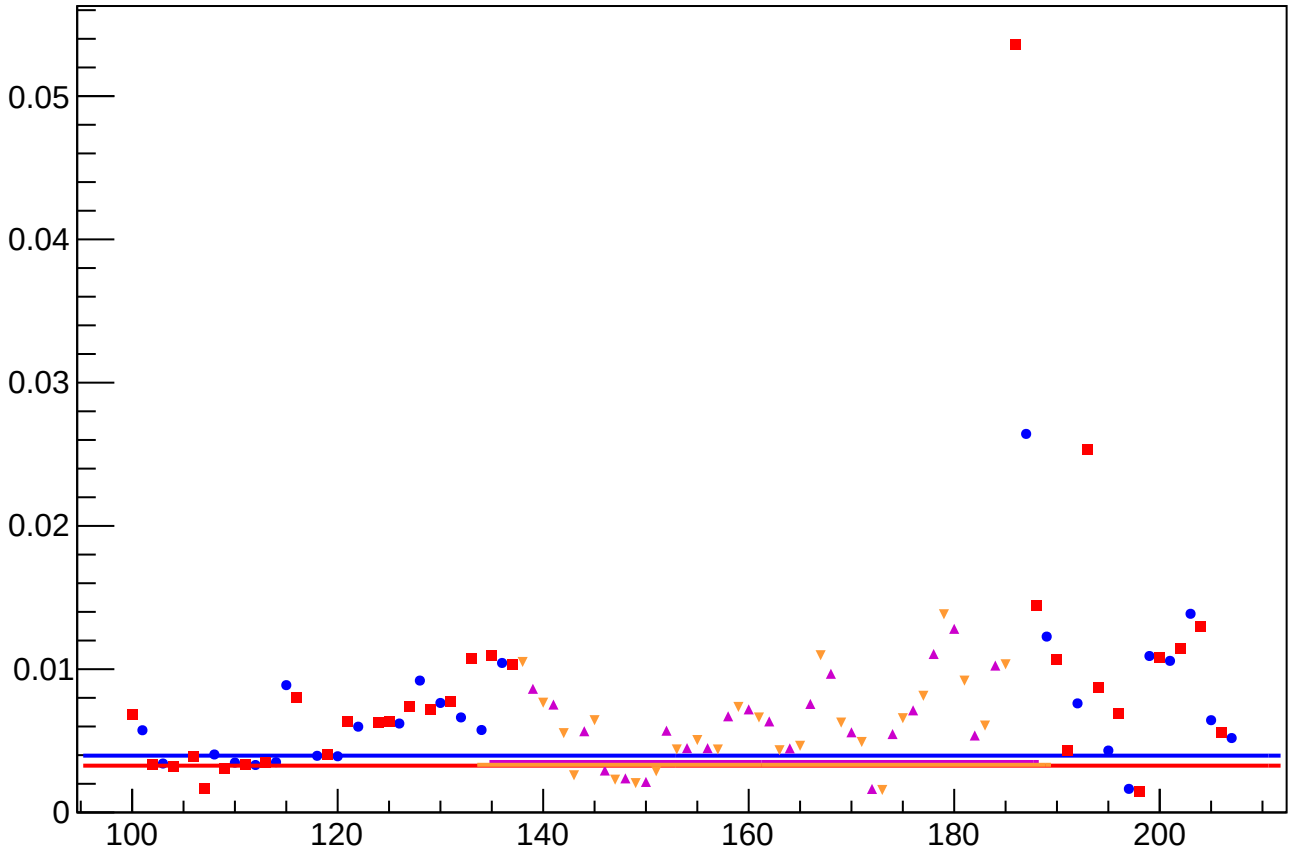
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 67.5/56

In: 0.000+/-0.000 χ^2/NDF:59.9/48

Out: -0.000+/-0.000 χ^2/NDF:95.5/55

All: 0.000+/-0.000 χ^2/NDF: 157.9/104



Right In: 0.004+/-0.000 χ^2/NDF: 7806807.3/25

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

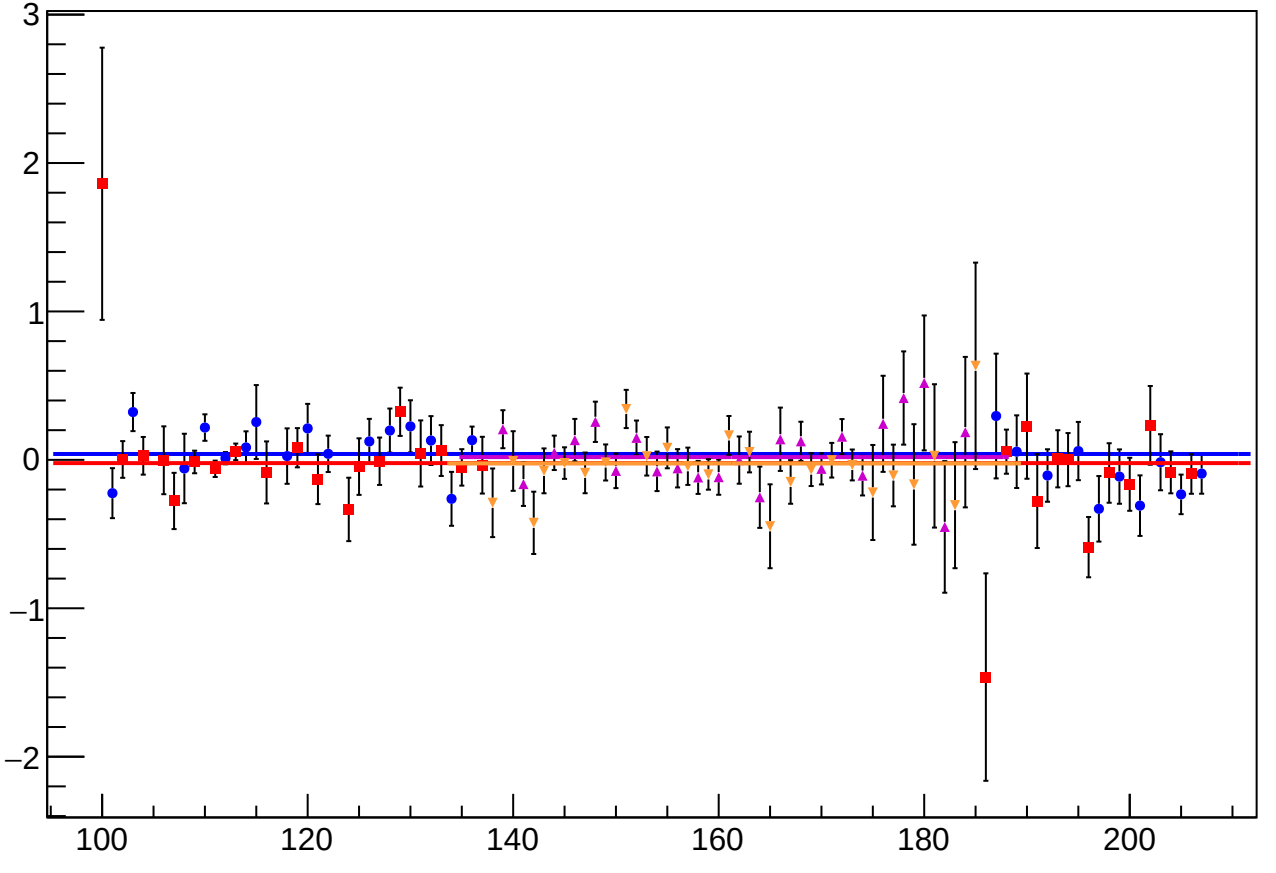
Right: 0.004+/-0.000 χ^2/NDF: 20854986.3/56

In: 0.004+/-0.000 χ^2/NDF:17388494.8/48

Out: 0.003+/-0.000 χ^2/NDF:23171140.5/55

All: 0.003+/-0.000 χ^2/NDF: 40847788.3/104

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.025 χ^2/NDF: 33.3/25

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

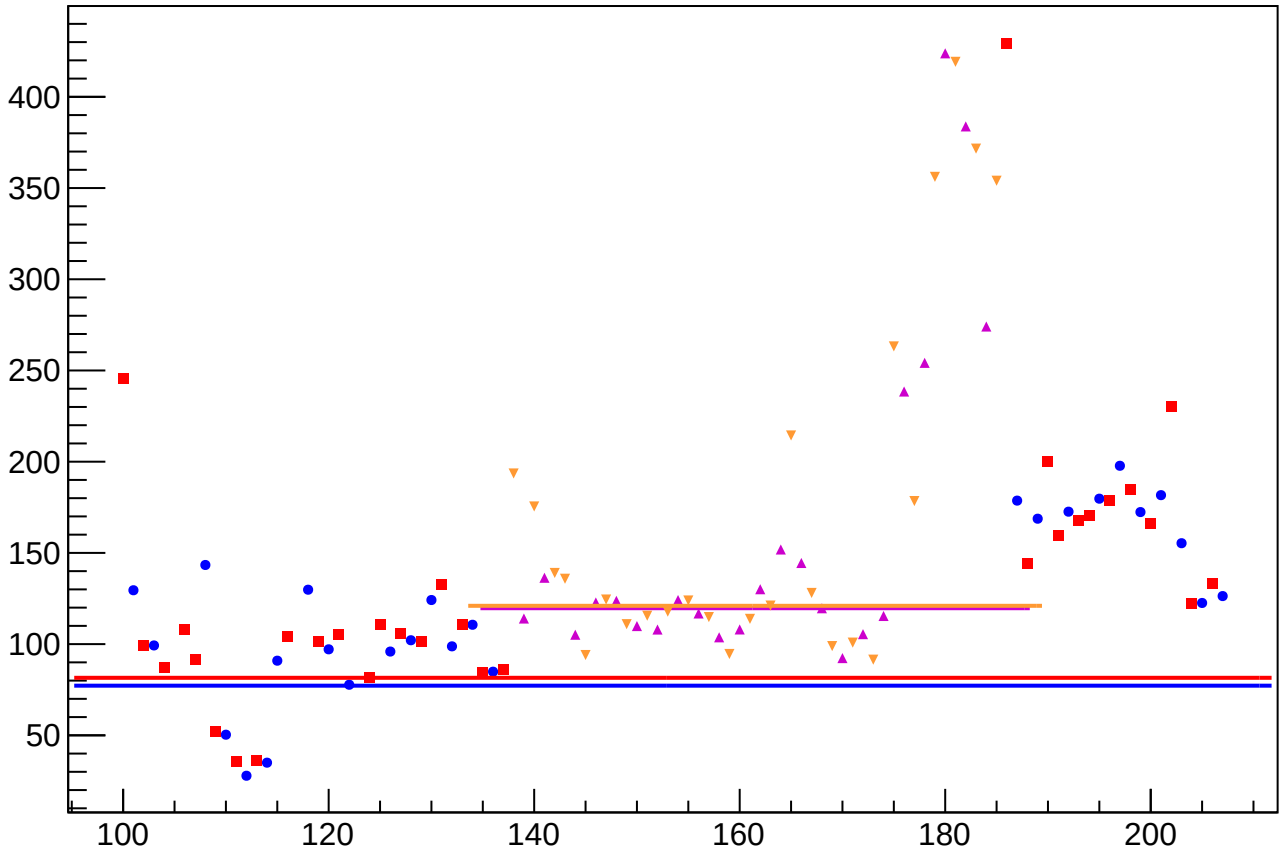
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.008+/-0.017 χ^2/NDF: 68.9/56

In: 0.031+/-0.019 χ^2/NDF:56.6/48

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.004+/-0.013 χ^2/NDF: 115.2/104



Right In: 77.220+/-0.017 χ^2/NDF: 8334041.7/25

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

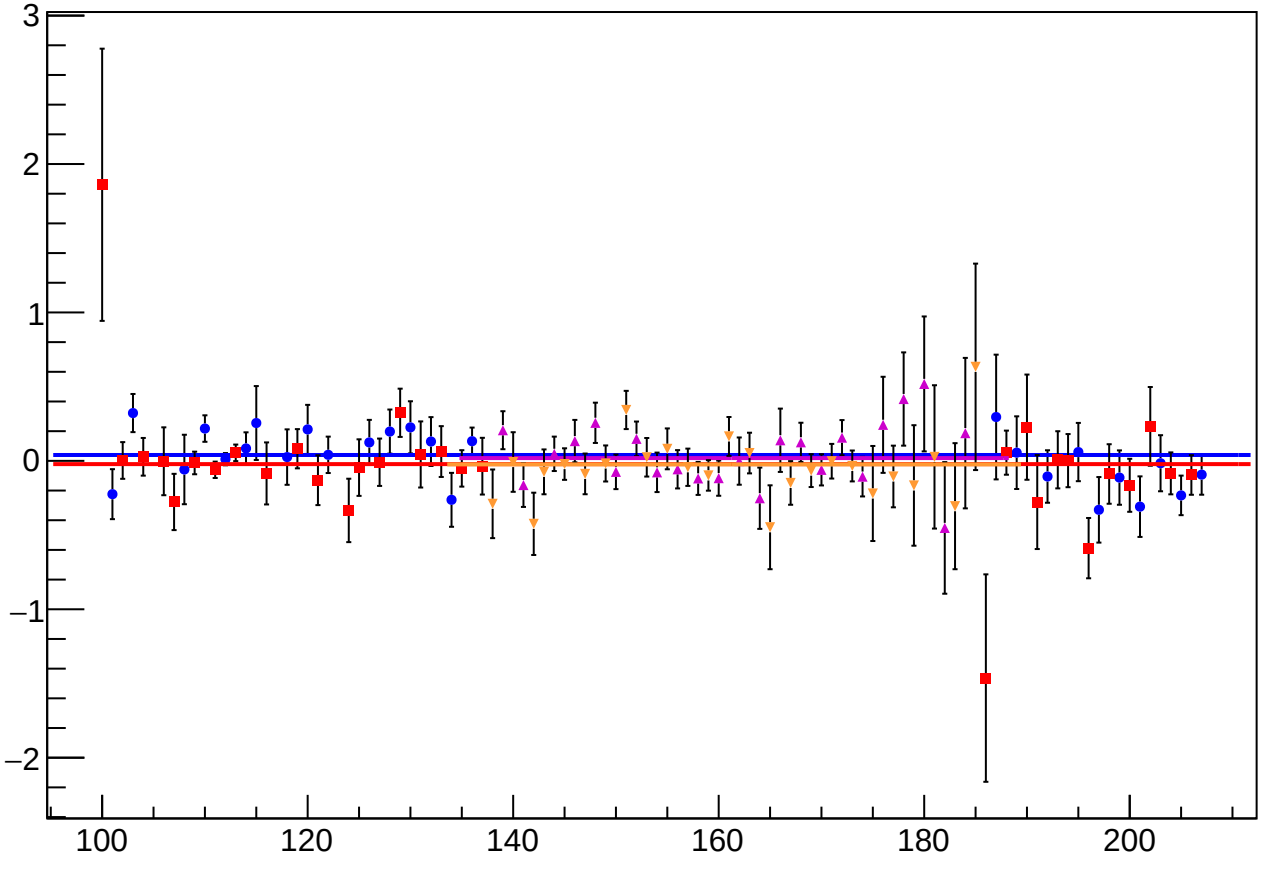
Right: 79.409+/-0.012 χ^2/NDF: 16535477.8/56

In: 94.067+/-0.013 χ^2/NDF:13553100.2/48

Out: 97.121+/-0.013 χ^2/NDF:14372930.5/55

All: 95.614+/-0.009 χ^2/NDF: 27952102.2/104

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.040+/-0.025 χ^2/NDF: 33.3/25

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

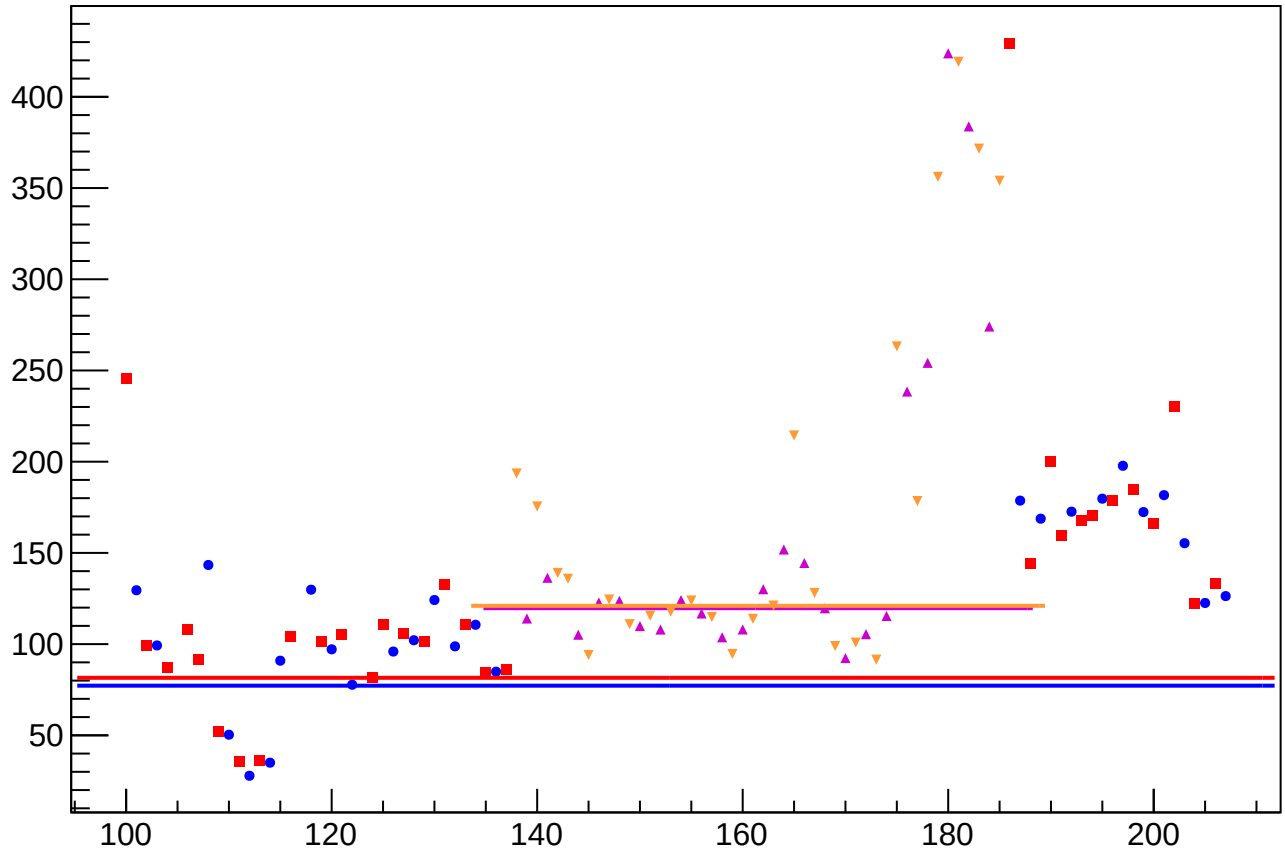
Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

Right: 0.008+/-0.017 χ^2/NDF: 68.9/56

In: 0.031+/-0.019 χ^2/NDF:56.6/48

Out: -0.023+/-0.019 χ^2/NDF:54.6/55

All: 0.004+/-0.013 χ^2/NDF: 115.2/104



Right In: 77.220+/-0.017 χ^2/NDF: 8334041.7/25

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

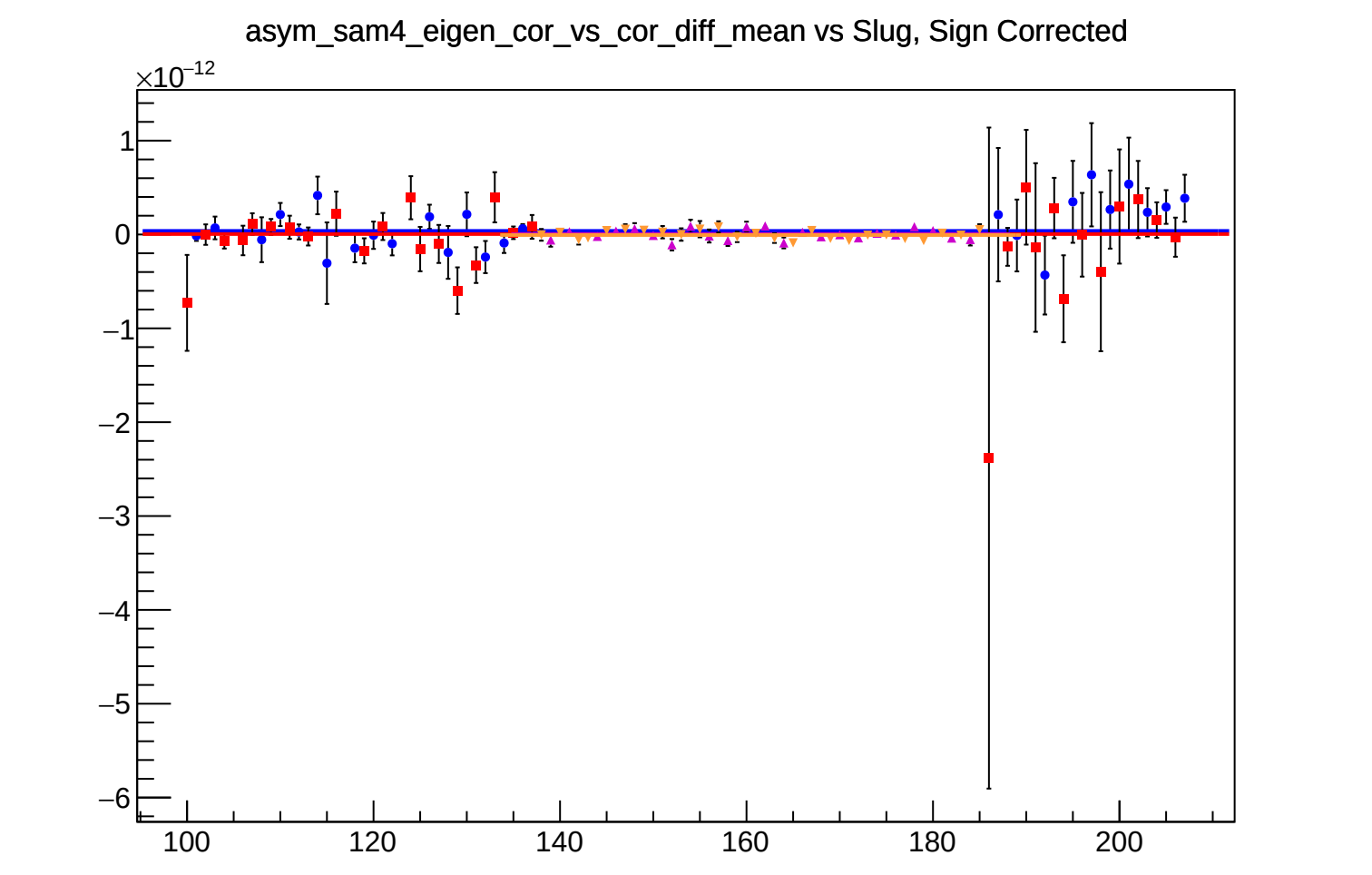
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 79.409+/-0.012 χ^2/NDF: 16535477.8/56

In: 94.067+/-0.013 χ^2/NDF:13553100.2/48

Out: 97.121+/-0.013 χ^2/NDF:14372930.5/55

All: 95.614+/-0.009 χ^2/NDF: 27952102.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 25.9/25

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

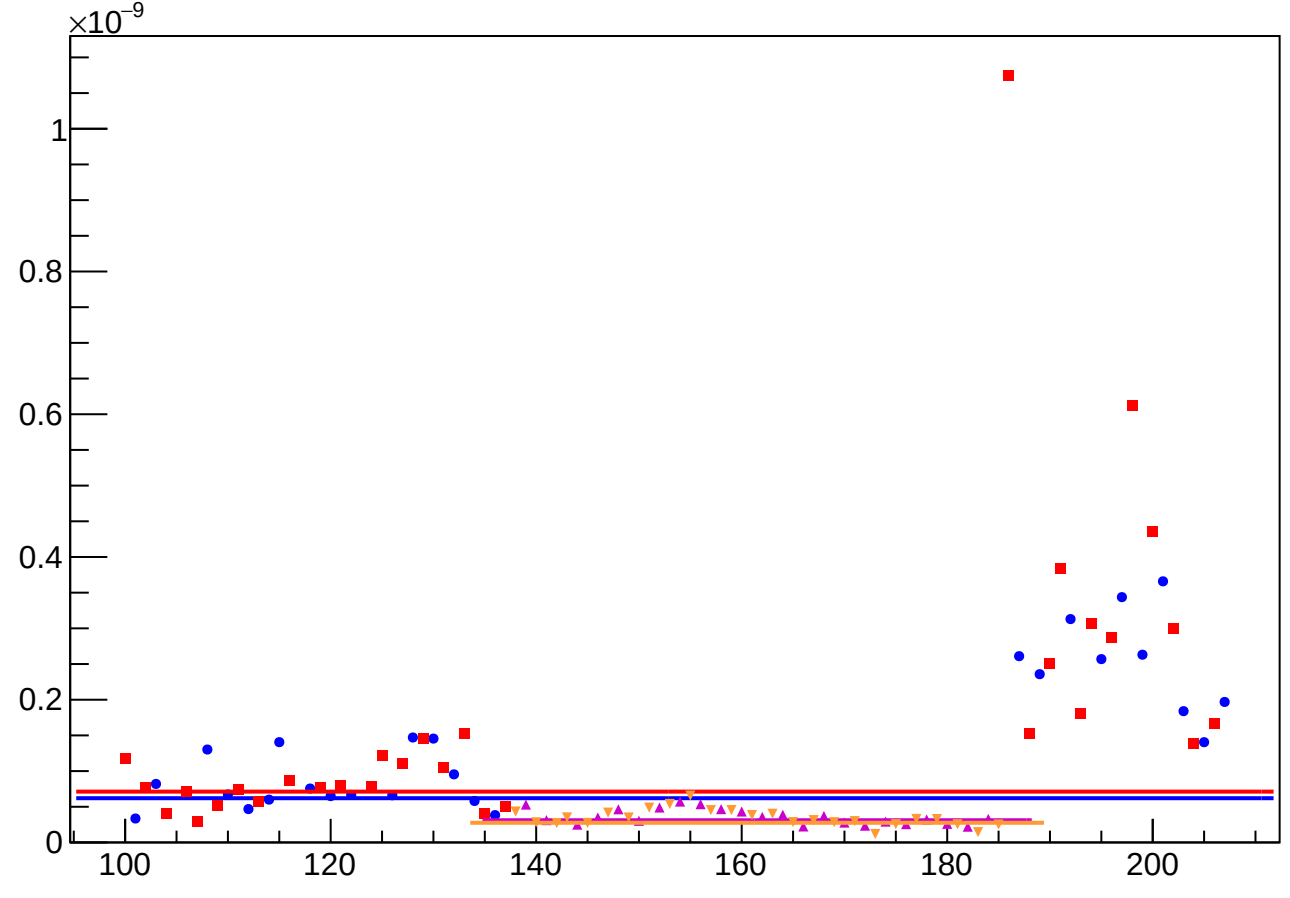
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 56.4/56

In: 0.000+/-0.000 χ^2/NDF:55.3/48

Out: -0.000+/-0.000 χ^2/NDF:52.0/55

All: 0.000+/-0.000 χ^2/NDF: 108.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 6741782.9/25

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

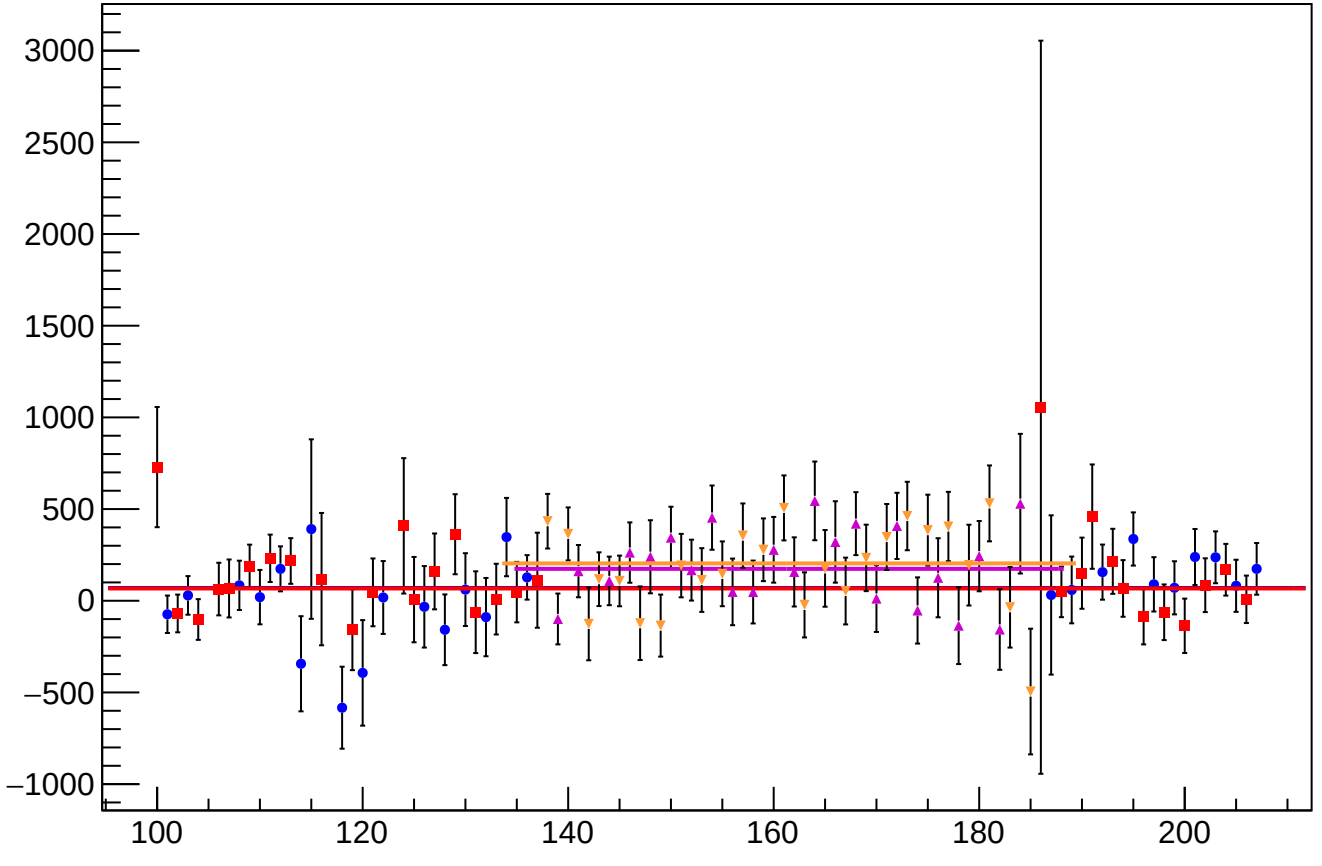
Right: 0.000+/-0.000 χ^2/NDF: 13641741.4/56

In: 0.000+/-0.000 χ^2/NDF:11315938.1/48

Out: 0.000+/-0.000 χ^2/NDF:15068118.4/55

All: 0.000+/-0.000 χ^2/NDF: 26572529.0/104

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 69.477+/-31.198 χ^2/NDF: 28.1/25

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

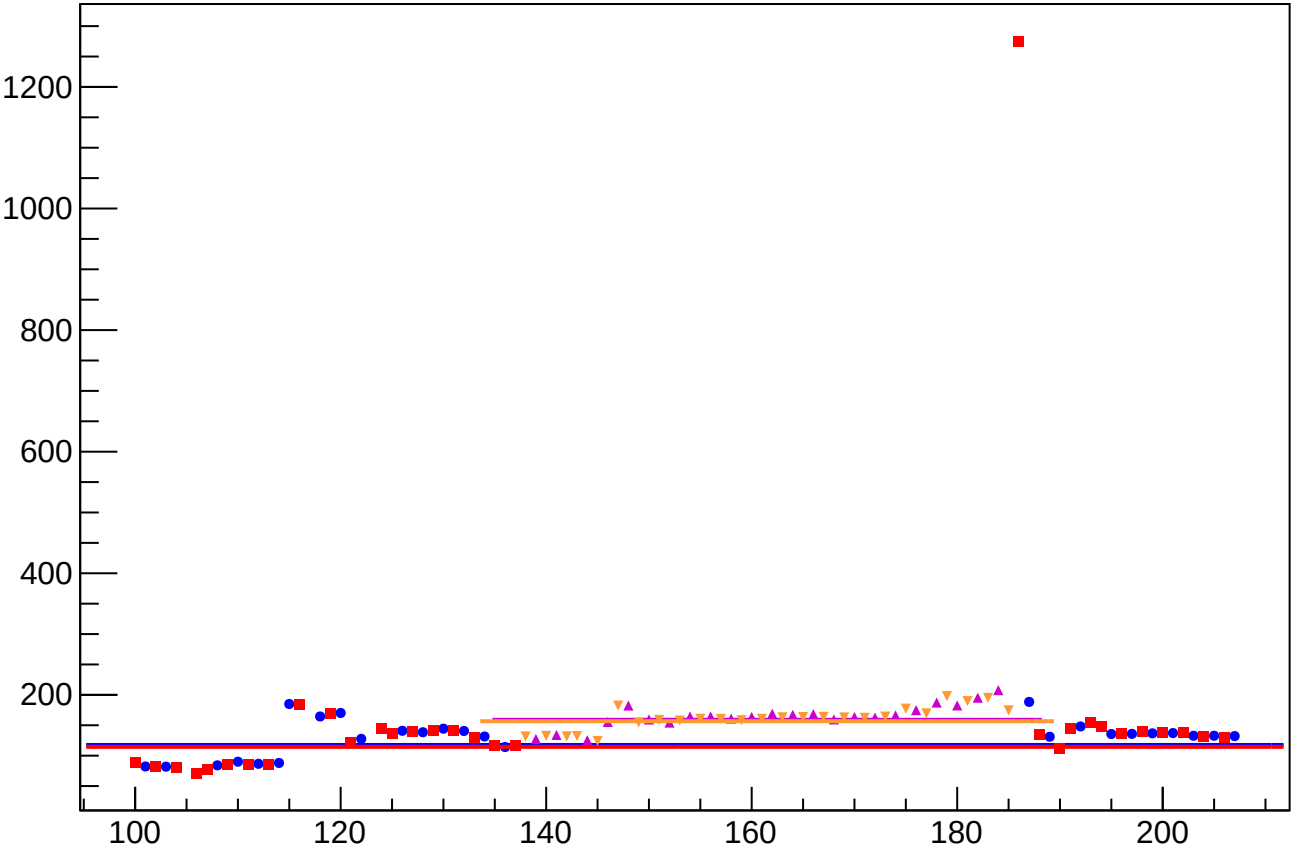
Right: 68.187+/-21.425 χ^2/NDF: 52.4/56

In: 112.348+/-23.959 χ^2/NDF:57.3/48

Out: 122.129+/-22.775 χ^2/NDF:65.8/55

All: 117.486+/-16.507 χ^2/NDF: 123.1/104

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 117.588+/-0.022 χ^2/NDF: 1472894.3/25

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

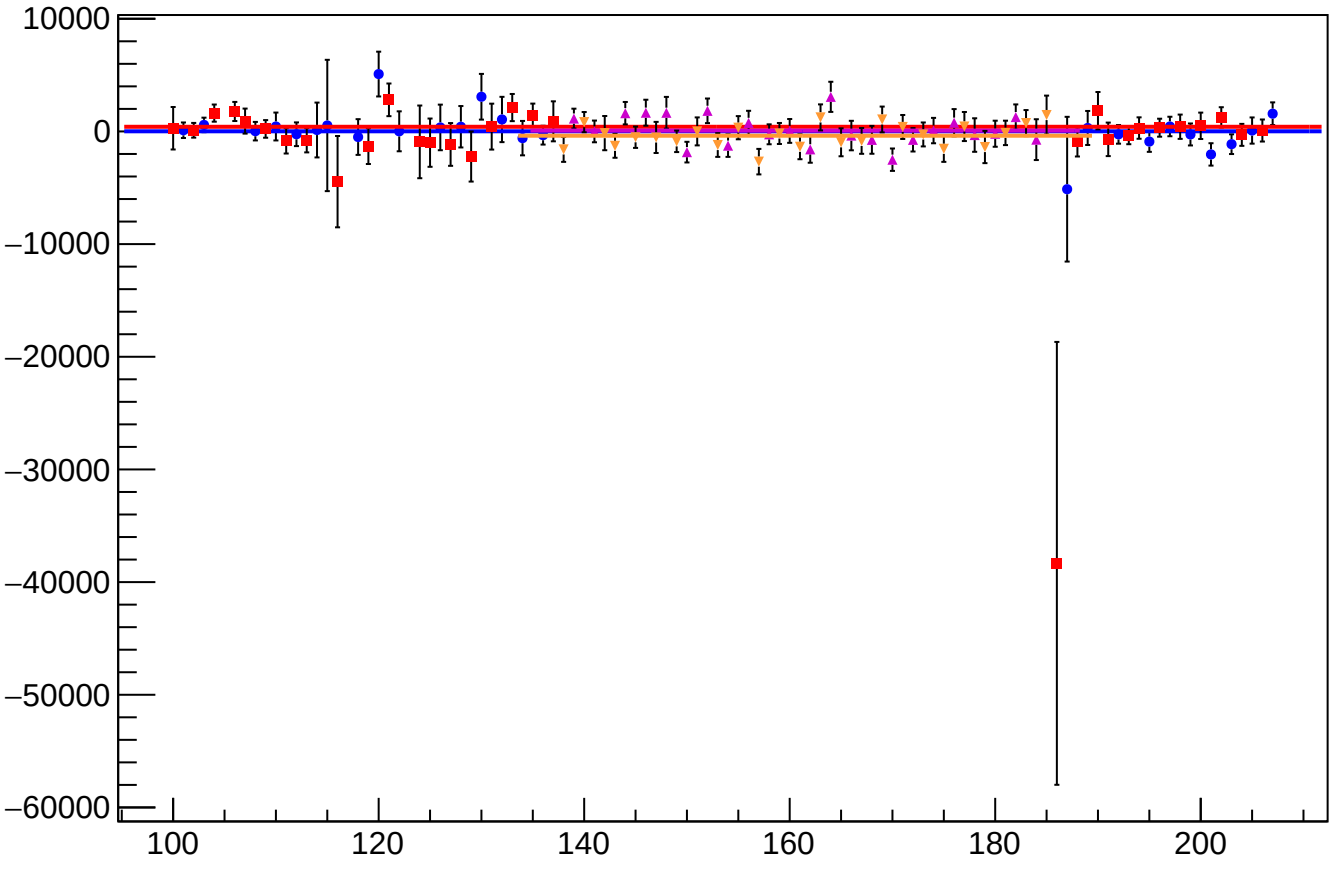
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 115.945+/-0.015 χ^2/NDF: 4037533.6/56

In: 134.558+/-0.017 χ^2/NDF:3426517.0/48

Out: 131.466+/-0.016 χ^2/NDF:4785461.6/55

All: 132.934+/-0.012 χ^2/NDF: 8229478.0/104



Right In: 11.895+/-217.340 χ^2/NDF: 21.1/25

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

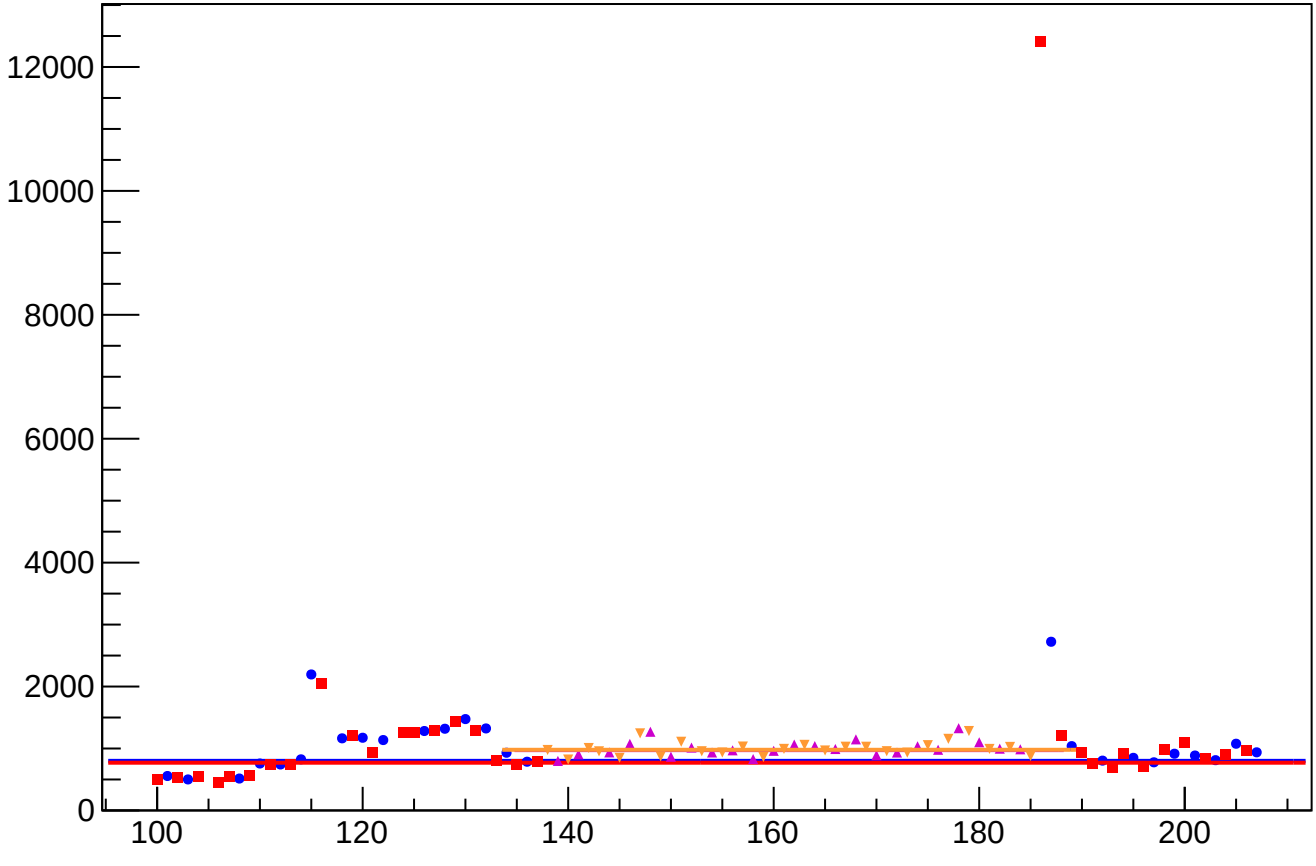
Right: 226.313+/-148.257 χ^2/NDF: 50.8/56

In: 41.427+/-157.900 χ^2/NDF:54.2/48

Out: 56.496+/-150.487 χ^2/NDF:53.5/55

All: 49.324+/-108.937 χ^2/NDF: 107.6/104

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 800.467+/-0.154 χ^2/NDF: 2370571.4/25

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

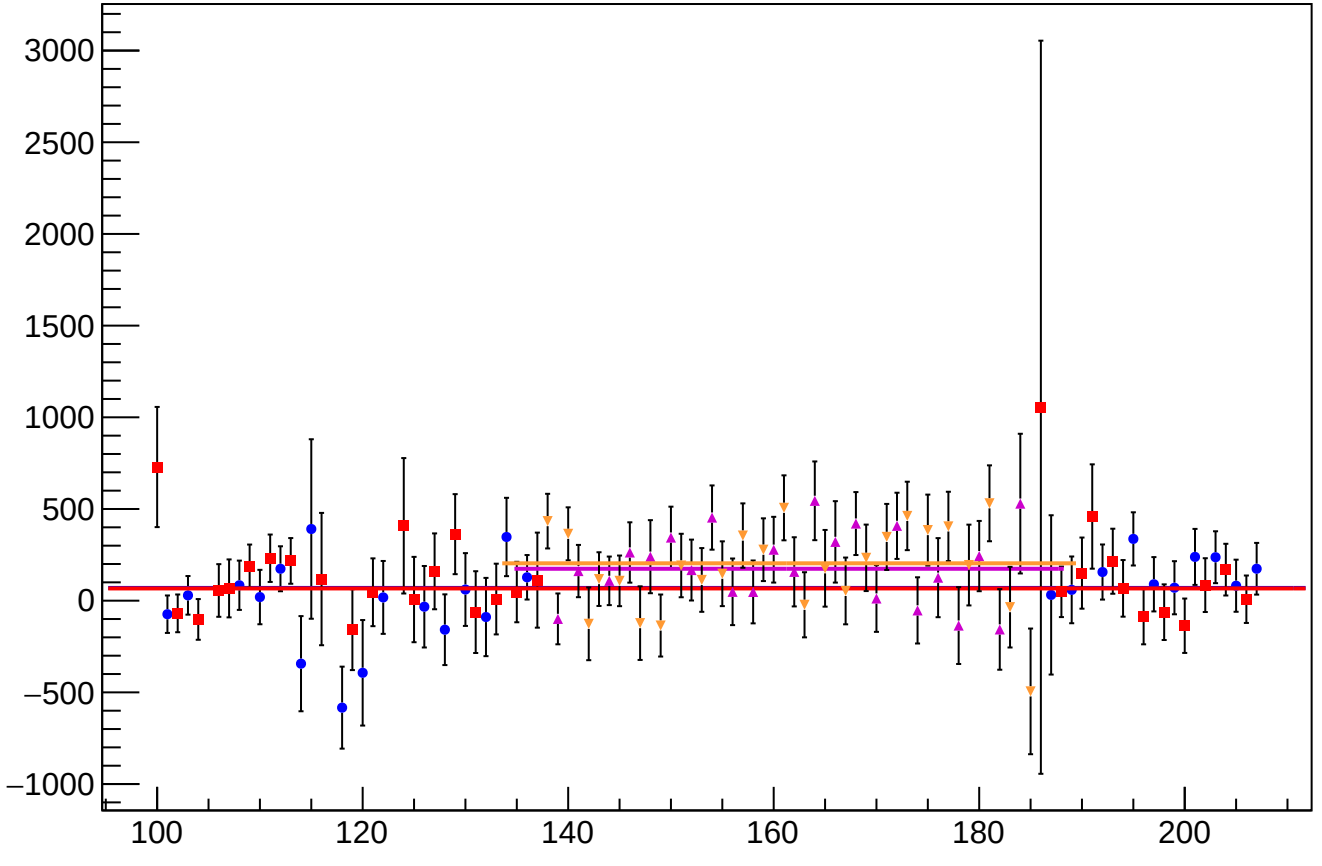
Right: 784.546+/-0.105 χ^2/NDF: 5803784.7/56

In: 882.320+/-0.112 χ^2/NDF:3469957.0/48

Out: 864.295+/-0.106 χ^2/NDF:4792085.9/55

All: 872.875+/-0.077 χ^2/NDF: 8275700.2/104

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 69.473+/-31.198 χ^2/NDF: 28.1/25

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

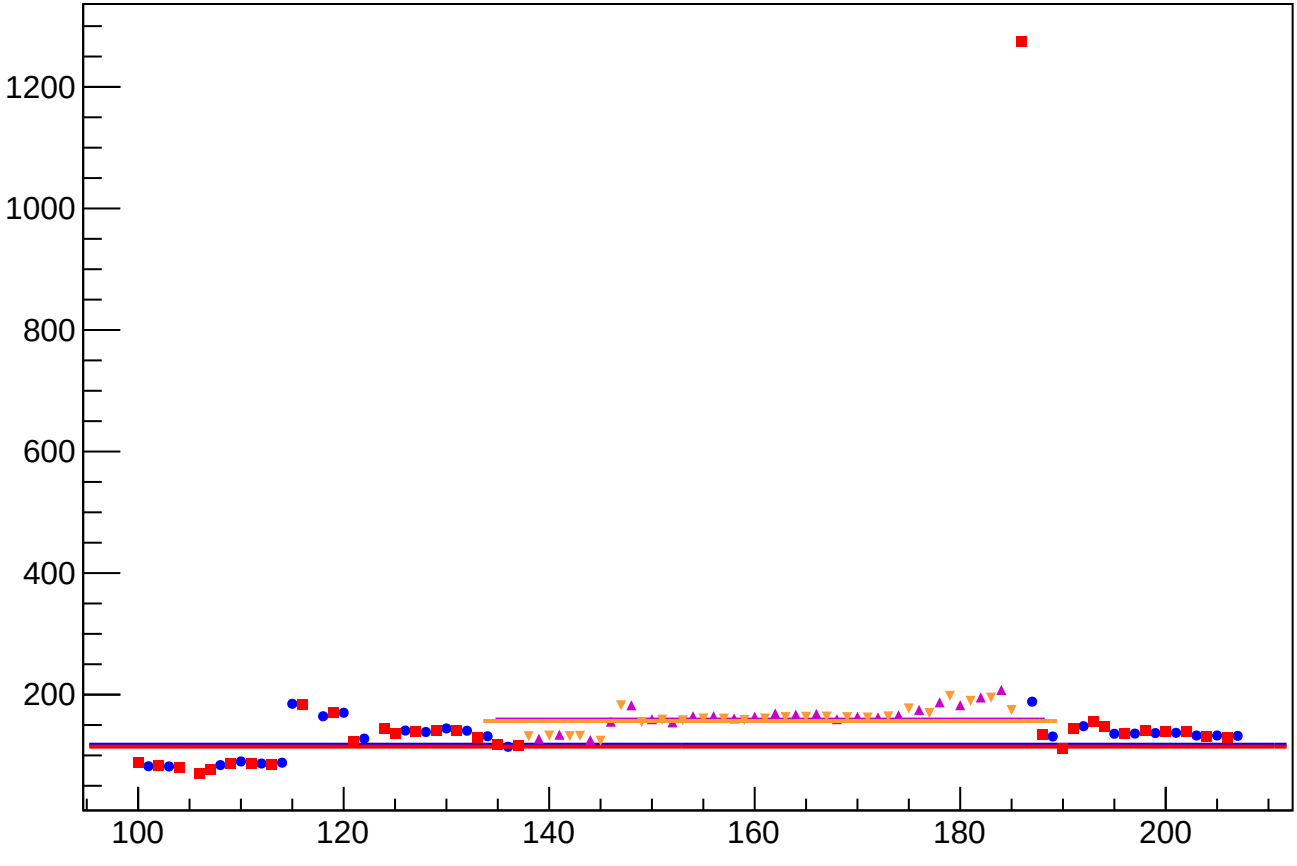
Right: 68.017+/-21.426 χ^2/NDF: 52.4/56

In: 112.348+/-23.959 χ^2/NDF:57.3/48

Out: 121.943+/-22.775 χ^2/NDF:65.8/55

All: 117.388+/-16.507 χ^2/NDF: 123.2/104

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 117.588+/-0.022 χ^2/NDF: 1472893.0/25

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

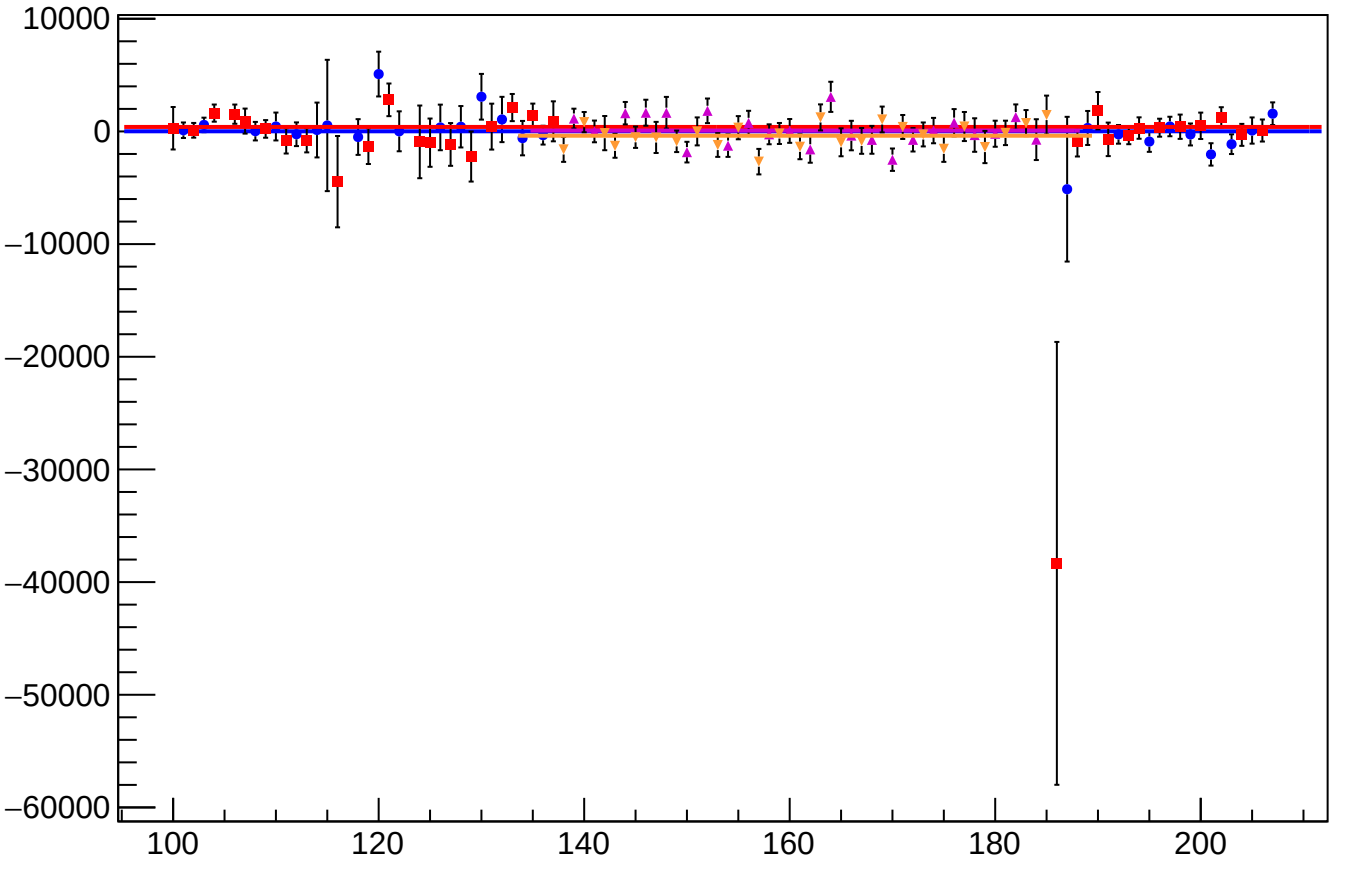
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 115.938+/-0.015 χ^2/NDF: 4040759.6/56

In: 134.558+/-0.017 χ^2/NDF:3426515.0/48

Out: 131.459+/-0.016 χ^2/NDF:4789573.0/55

All: 132.930+/-0.012 χ^2/NDF: 8233666.3/104



Right In: 11.897+/-217.340 χ^2/NDF: 21.1/25

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

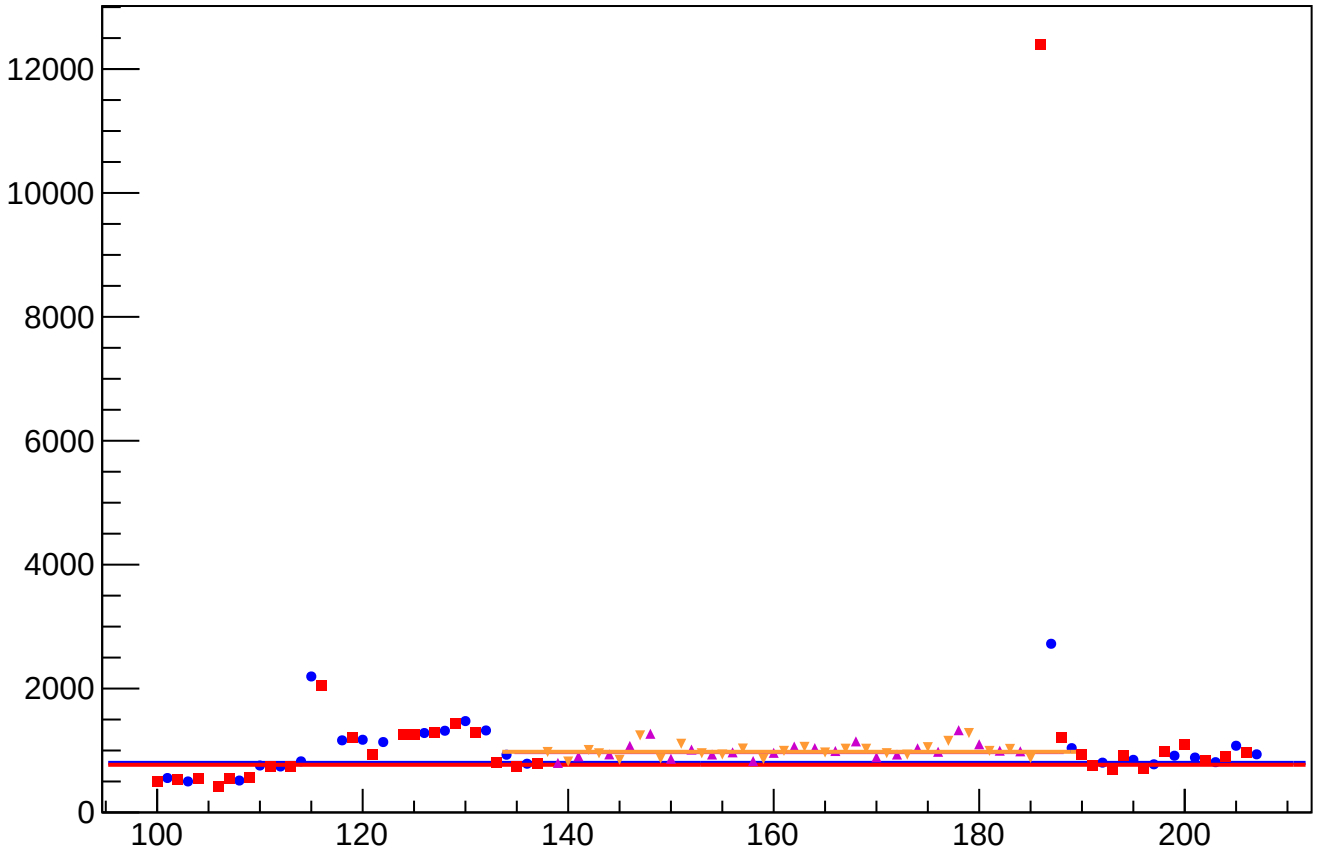
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 218.391+/-148.287 χ^2/NDF: 49.8/56

In: 41.428+/-157.900 χ^2/NDF:54.2/48

Out: 48.268+/-150.518 χ^2/NDF:52.4/55

All: 45.012+/-108.949 χ^2/NDF: 106.5/104



Right In: 800.467+/-0.154 χ^2/NDF: 2370575.6/25

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

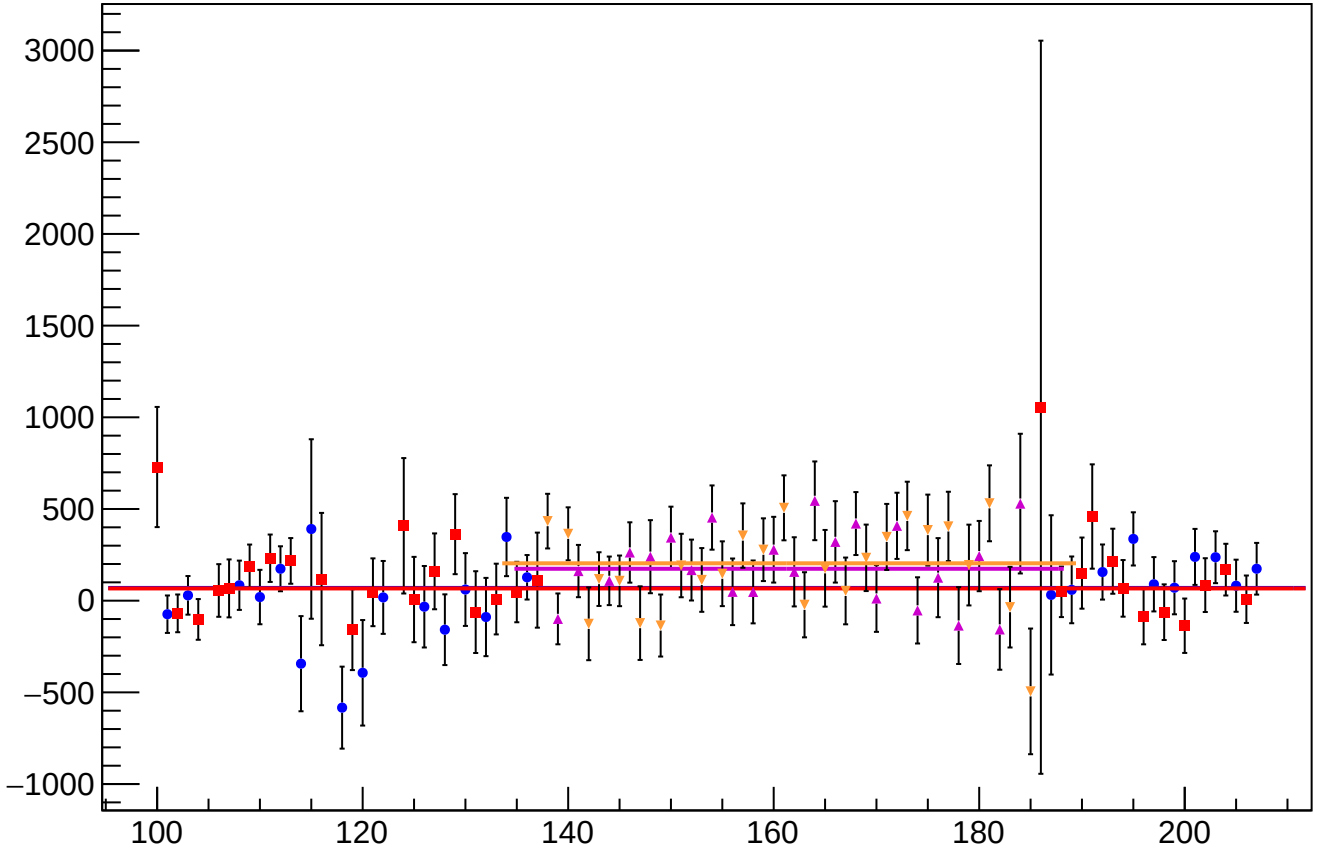
Right: 783.943+/-0.105 χ^2/NDF: 5846247.0/56

In: 882.320+/-0.112 χ^2/NDF:3469964.7/48

Out: 863.707+/-0.106 χ^2/NDF:4843061.4/55

All: 872.568+/-0.077 χ^2/NDF: 8327586.2/104

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 69.473+/-31.198 χ^2/NDF: 28.1/25

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

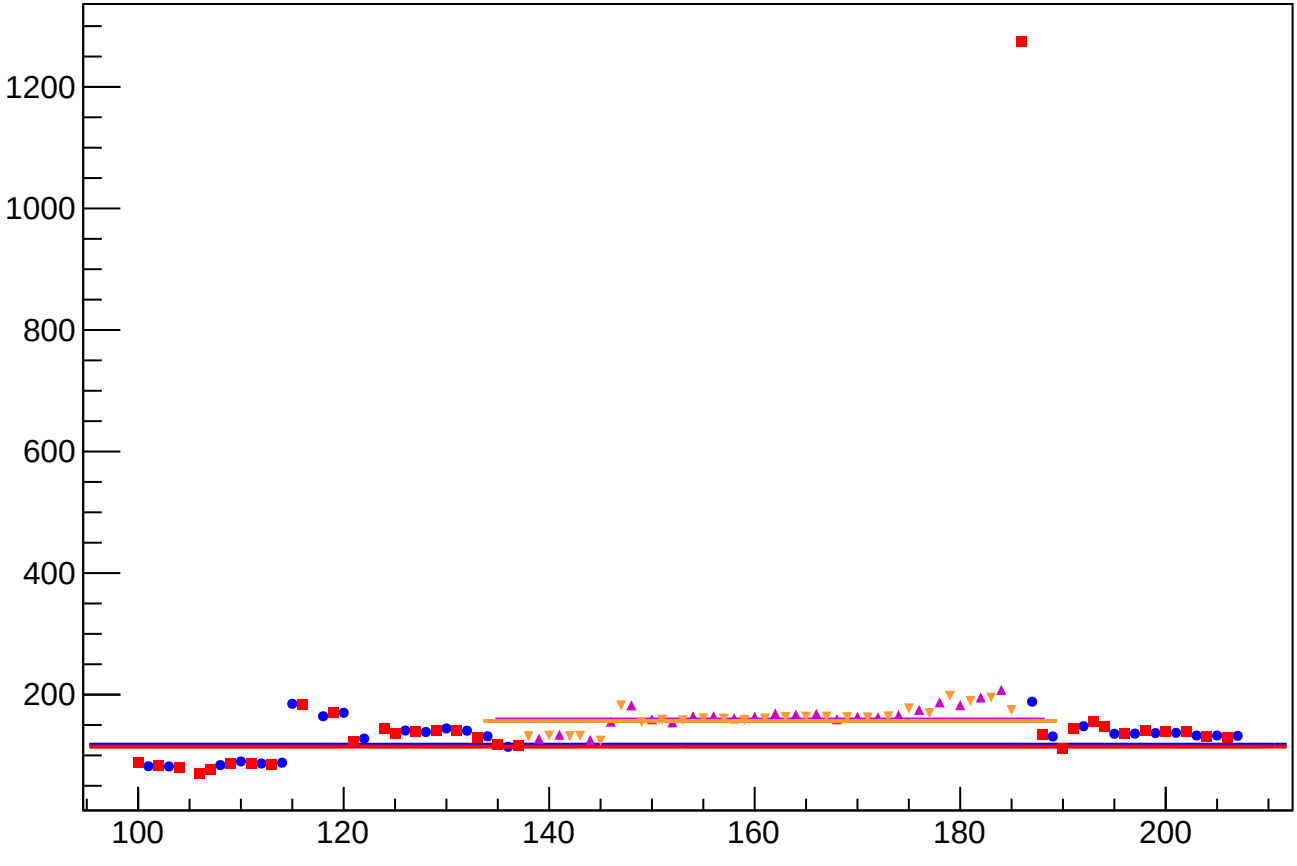
Right: 68.017+/-21.426 χ^2/NDF: 52.4/56

In: 112.348+/-23.959 χ^2/NDF:57.3/48

Out: 121.943+/-22.775 χ^2/NDF:65.8/55

All: 117.388+/-16.507 χ^2/NDF: 123.2/104

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 117.588+/-0.022 χ^2/NDF: 1472893.0/25

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

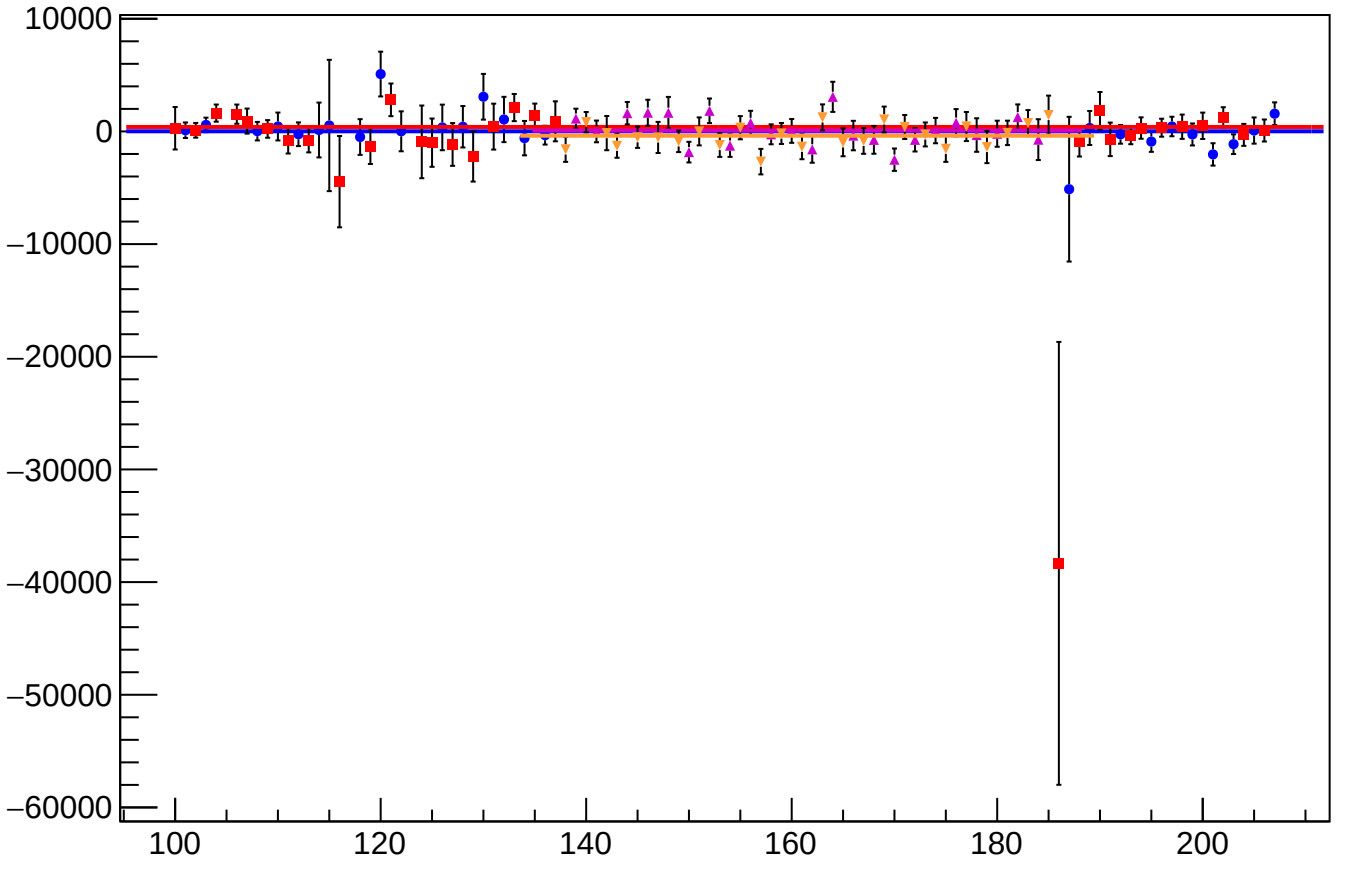
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 115.938+/-0.015 χ^2/NDF: 4040759.6/56

In: 134.558+/-0.017 χ^2/NDF:3426515.0/48

Out: 131.459+/-0.016 χ^2/NDF:4789573.0/55

All: 132.930+/-0.012 χ^2/NDF: 8233666.3/104



Right In: 11.897+/-217.340 χ^2/NDF: 21.1/25

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

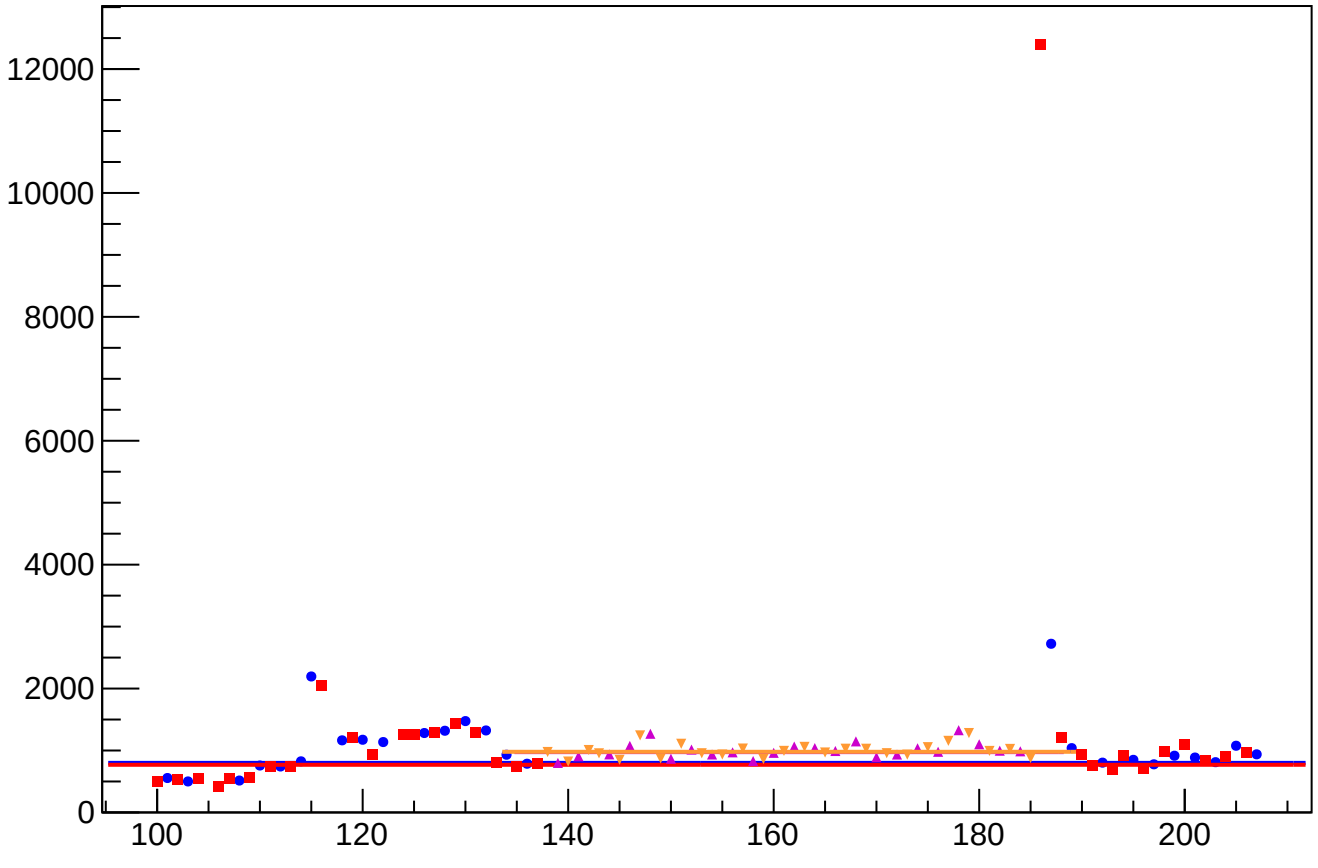
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 218.391+/-148.287 χ^2/NDF: 49.8/56

In: 41.428+/-157.900 χ^2/NDF:54.2/48

Out: 48.268+/-150.518 χ^2/NDF:52.4/55

All: 45.012+/-108.949 χ^2/NDF: 106.5/104



Right In: 800.467+/-0.154 χ^2/NDF: 2370575.6/25

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

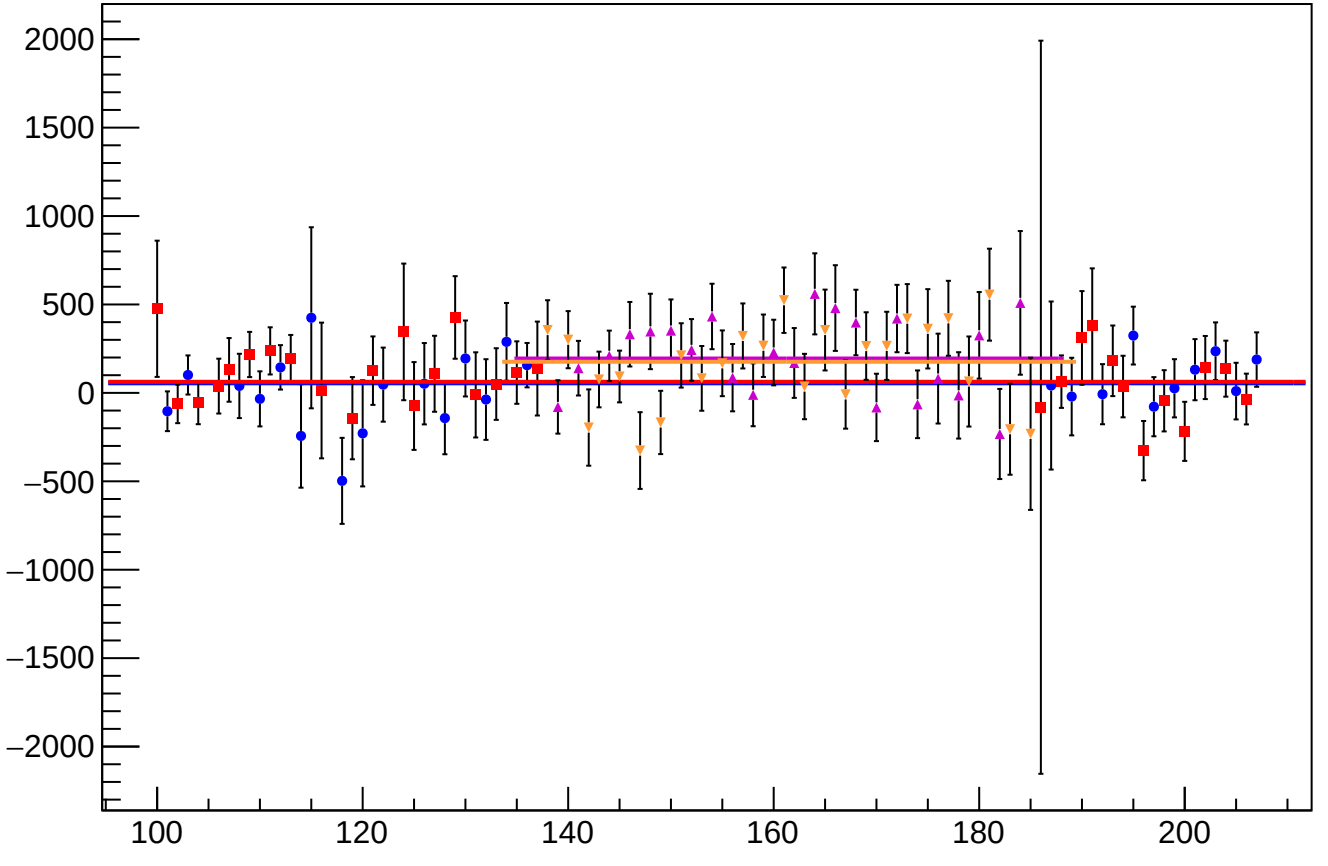
Right: 783.943+/-0.105 χ^2/NDF: 5846247.0/56

In: 882.320+/-0.112 χ^2/NDF:3469964.7/48

Out: 863.707+/-0.106 χ^2/NDF:4843061.4/55

All: 872.568+/-0.077 χ^2/NDF: 8327586.2/104

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 54.301+/-34.255 χ^2/NDF: 19.8/25

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

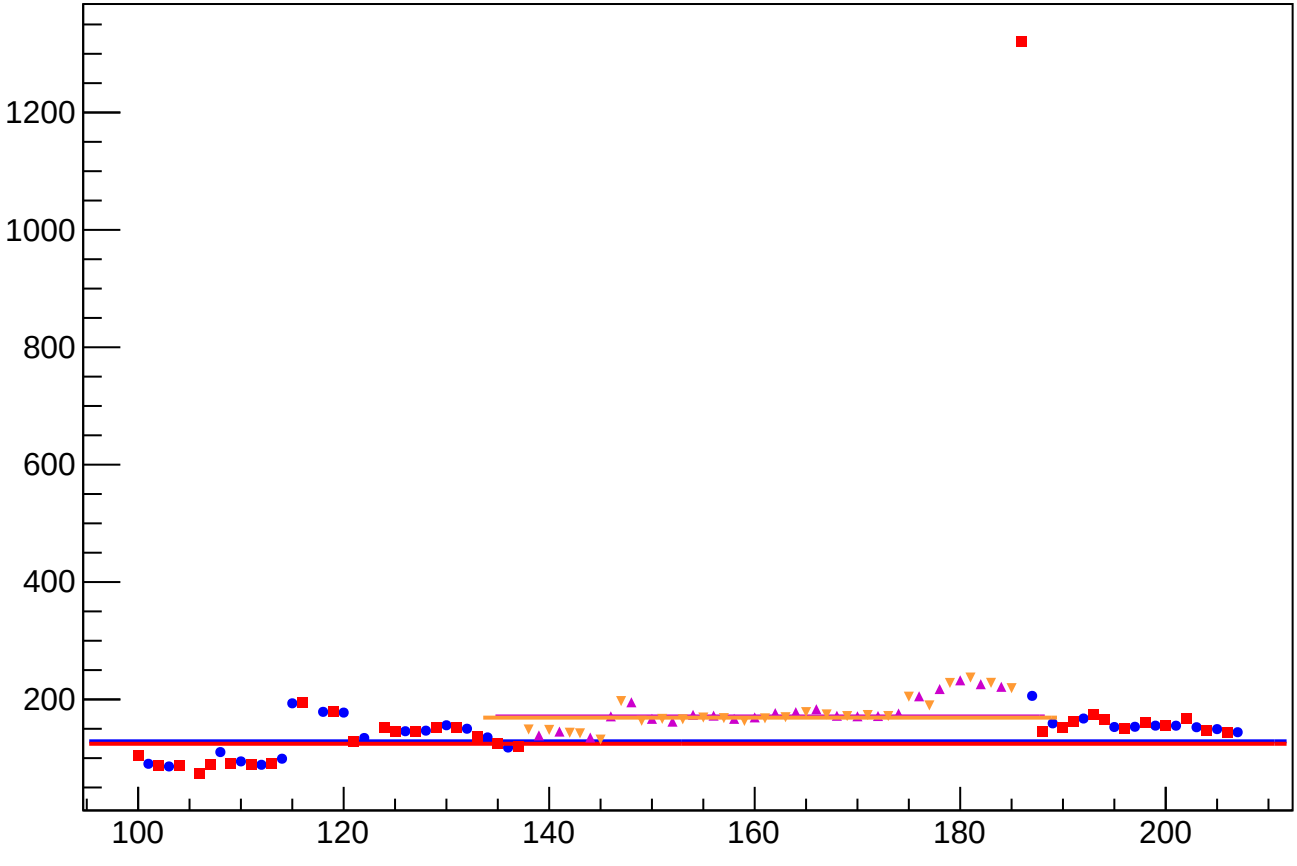
Right: 58.767+/-23.485 χ^2/NDF: 43.8/56

In: 112.892+/-26.123 χ^2/NDF:50.7/48

Out: 108.981+/-24.816 χ^2/NDF:59.8/55

All: 110.836+/-17.992 χ^2/NDF: 110.4/104

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 128.638+/-0.024 χ^2/NDF: 1619321.2/25

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

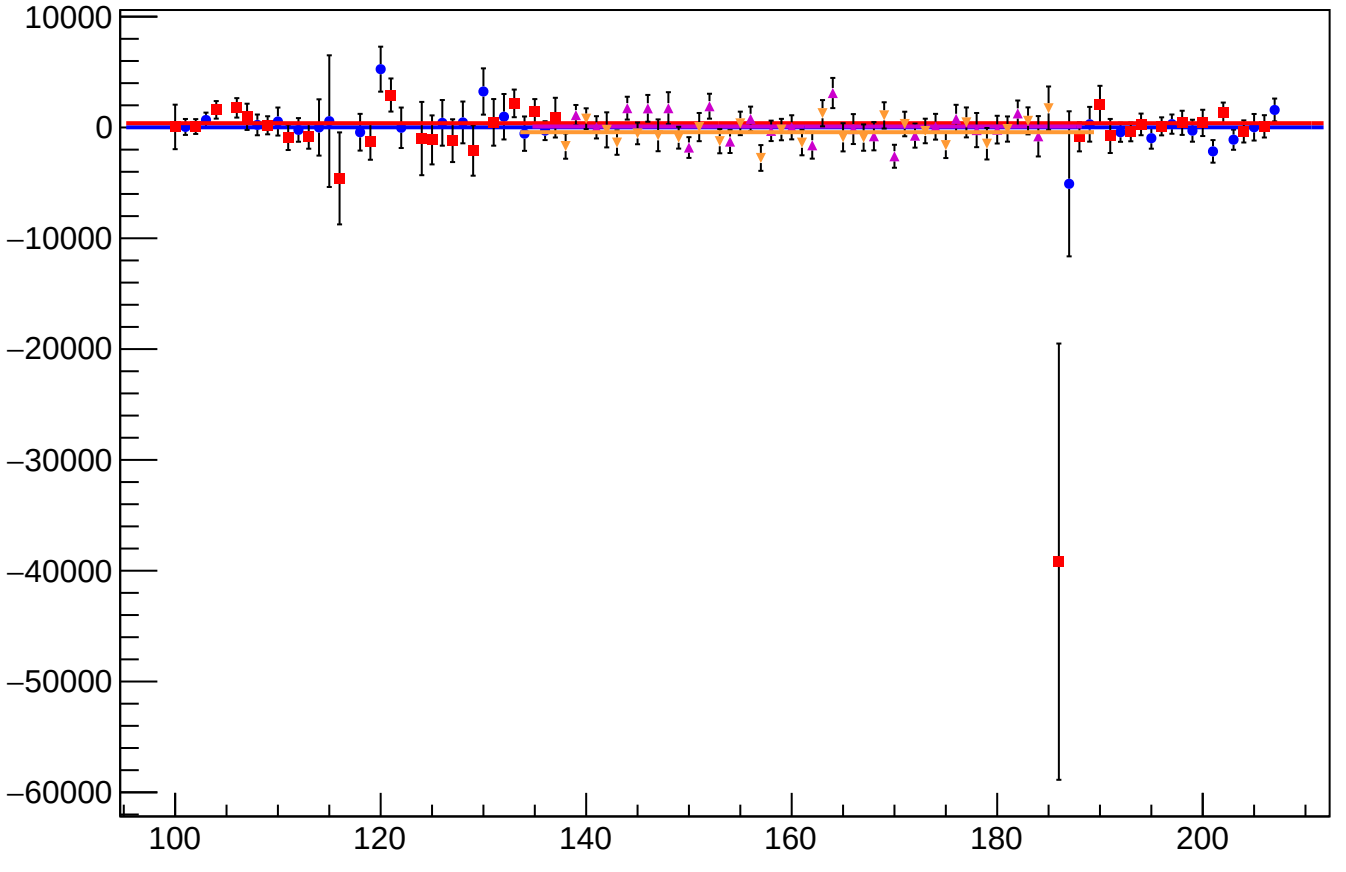
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

Right: 126.430+/-0.017 χ^2/NDF: 4450229.9/56

In: 146.373+/-0.018 χ^2/NDF:3578571.1/48

Out: 142.656+/-0.018 χ^2/NDF:5145421.4/55

All: 144.419+/-0.013 χ^2/NDF: 8745272.1/104



Right In: 15.014+/-224.968 χ^2/NDF: 21.6/25

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

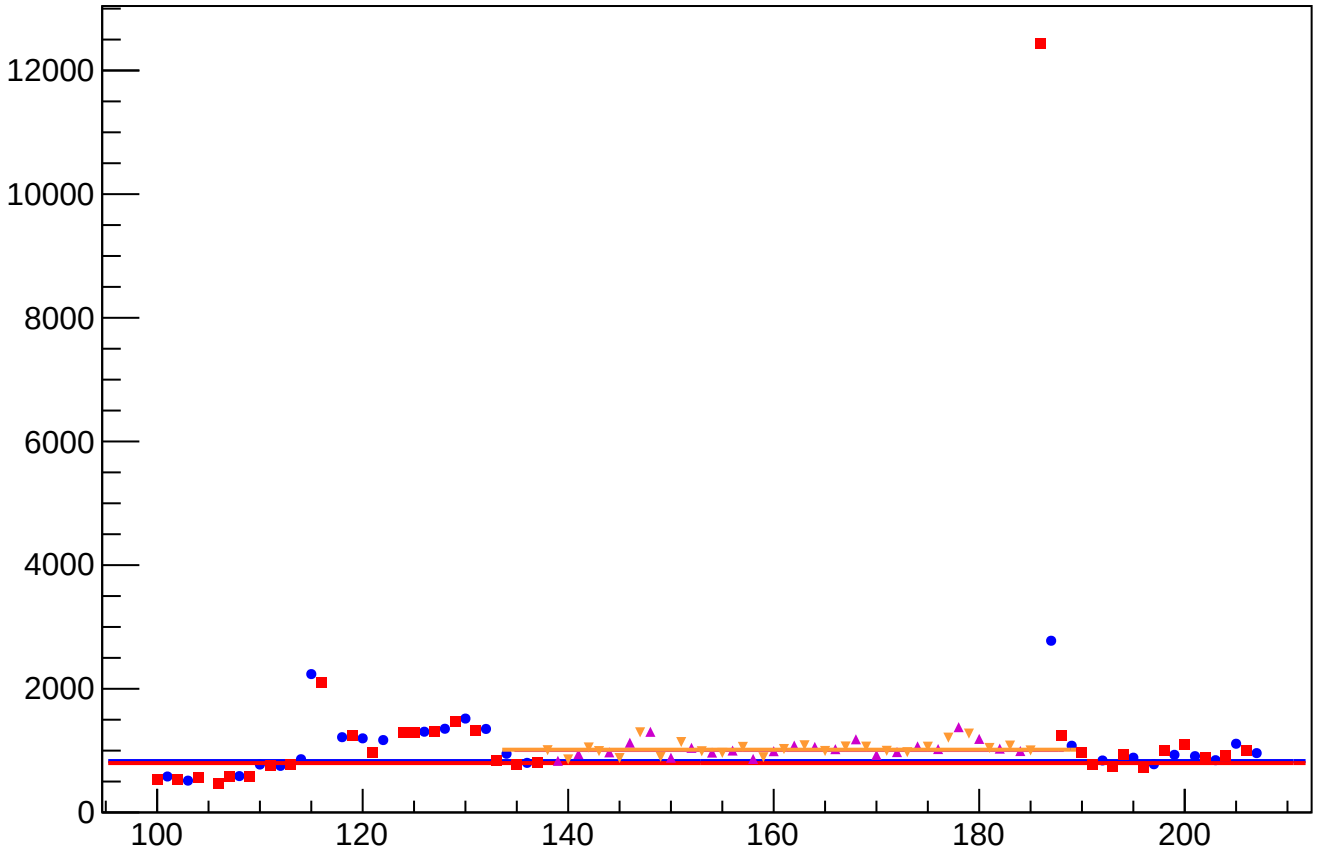
Left: -175.754+/-166.388 χ^2/NDF: 53.2/47

Right: 213.969+/-153.291 χ^2/NDF: 50.8/56

In: 48.717+/-163.540 χ^2/NDF:54.0/48

Out: 22.669+/-155.629 χ^2/NDF:52.9/55

All: 35.048+/-112.739 χ^2/NDF: 106.9/104



Right In: 831.337+/-0.159 χ^2/NDF: 2235842.2/25

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

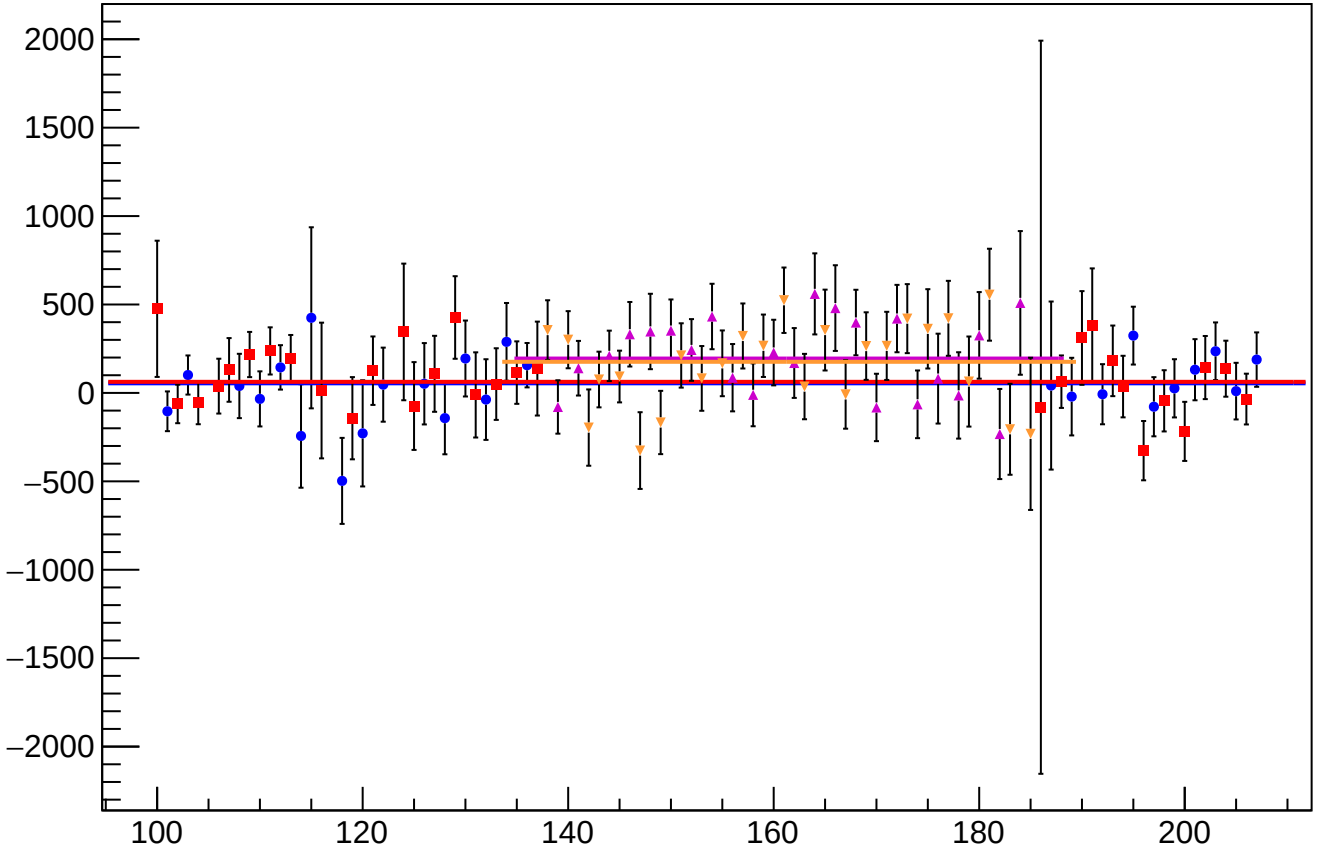
Right: 813.748+/-0.108 χ^2/NDF: 5554026.1/56

In: 915.431+/-0.116 χ^2/NDF:3327264.2/48

Out: 895.477+/-0.110 χ^2/NDF:4650785.1/55

All: 904.960+/-0.080 χ^2/NDF: 7993673.7/104

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 54.300+/-34.255 χ^2/NDF: 19.8/25

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

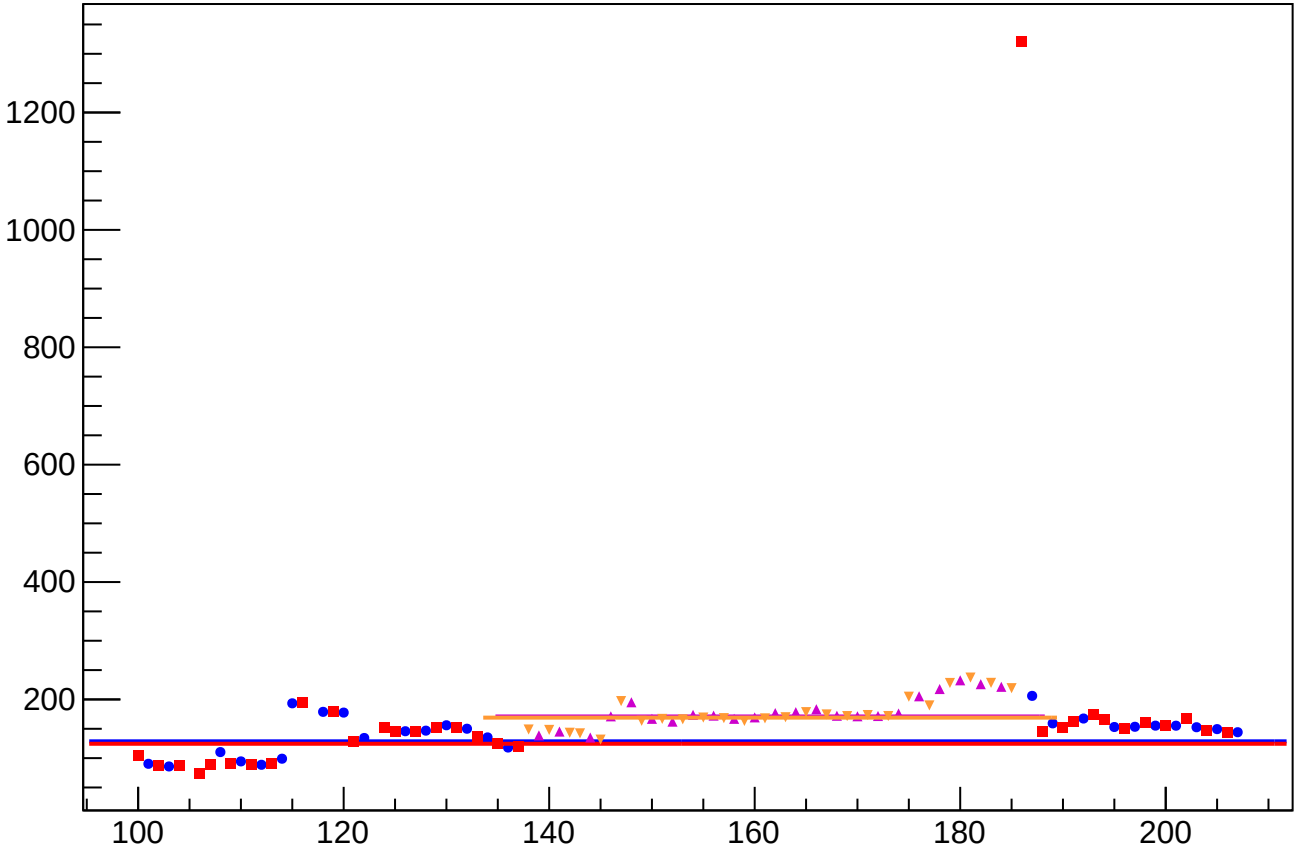
Right: 58.767+/-23.485 χ^2/NDF: 43.8/56

In: 112.891+/-26.123 χ^2/NDF:50.7/48

Out: 108.981+/-24.816 χ^2/NDF:59.8/55

All: 110.836+/-17.992 χ^2/NDF: 110.4/104

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 128.638+/-0.024 χ^2/NDF: 1619327.1/25

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

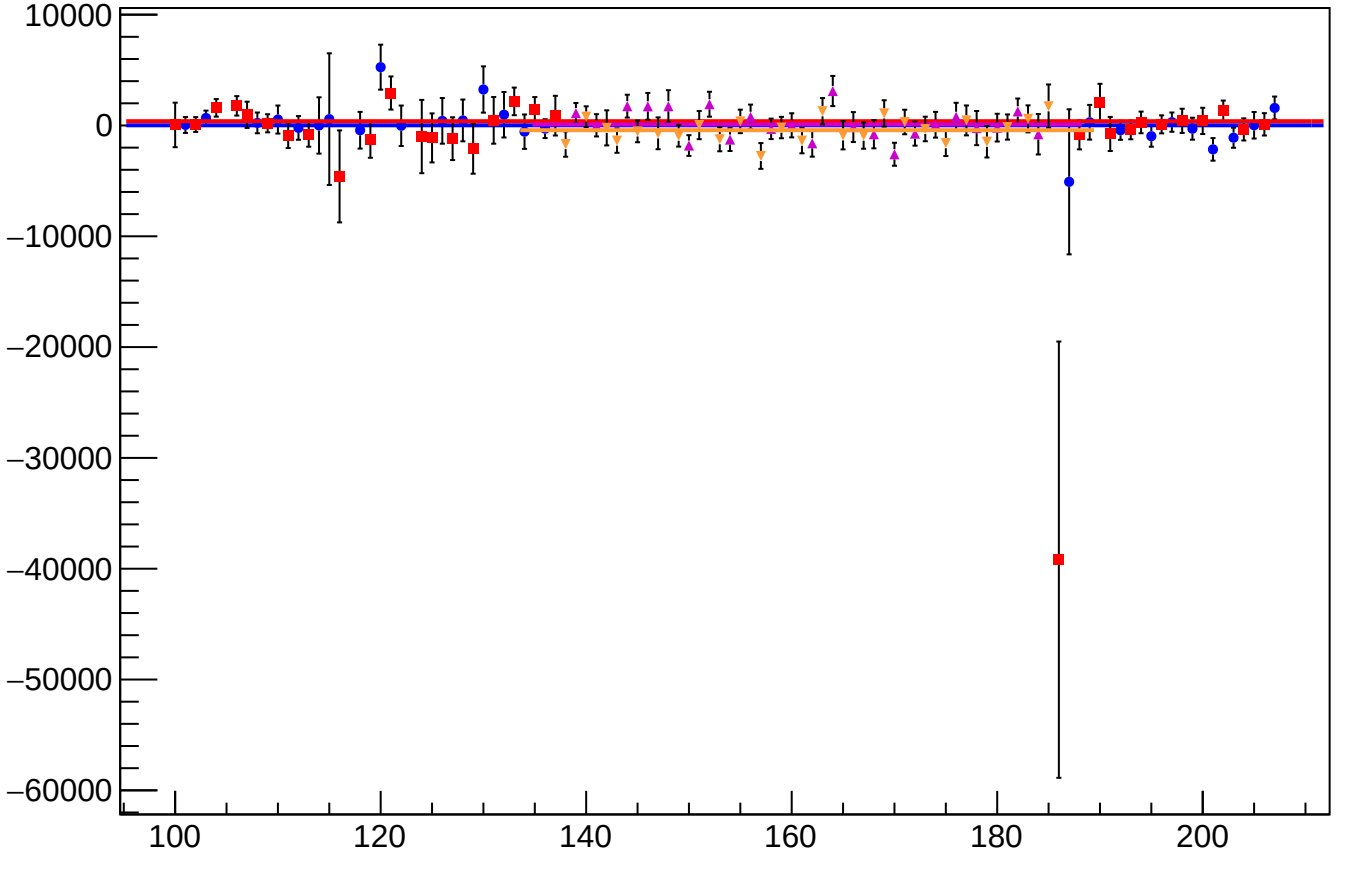
Right: 126.430+/-0.017 χ^2/NDF: 4450238.7/56

In: 146.373+/-0.018 χ^2/NDF:3578600.2/48

Out: 142.656+/-0.018 χ^2/NDF:5145434.0/55

All: 144.419+/-0.013 χ^2/NDF: 8745313.6/104

asym_sam5_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 15.015+/-224.968 χ^2/NDF: 21.6/25

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

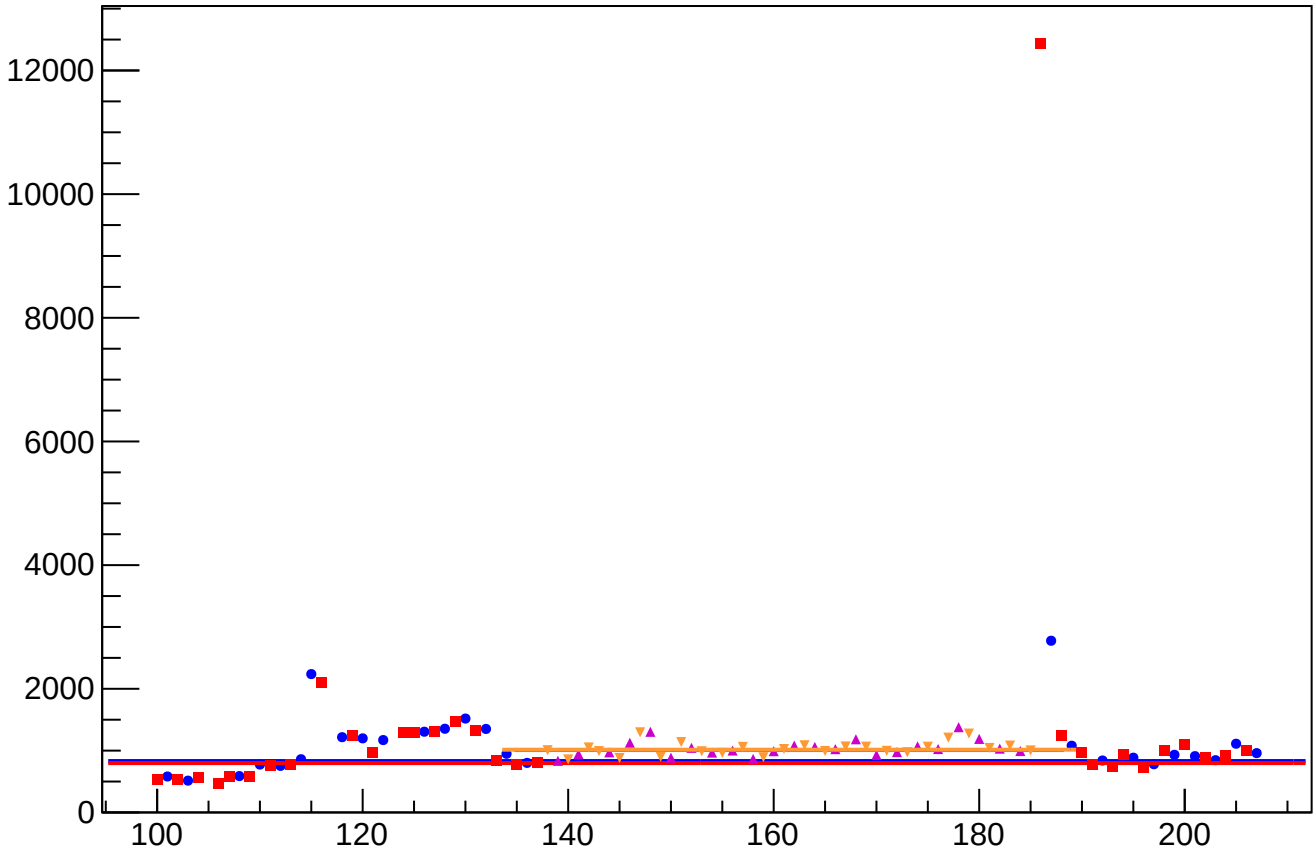
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 213.970+/-153.291 χ^2/NDF: 50.8/56

In: 48.718+/-163.540 χ^2/NDF:54.0/48

Out: 22.670+/-155.629 χ^2/NDF:52.9/55

All: 35.048+/-112.739 χ^2/NDF: 106.9/104



Right In: 831.336+/-0.159 χ^2/NDF: 2235842.1/25

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

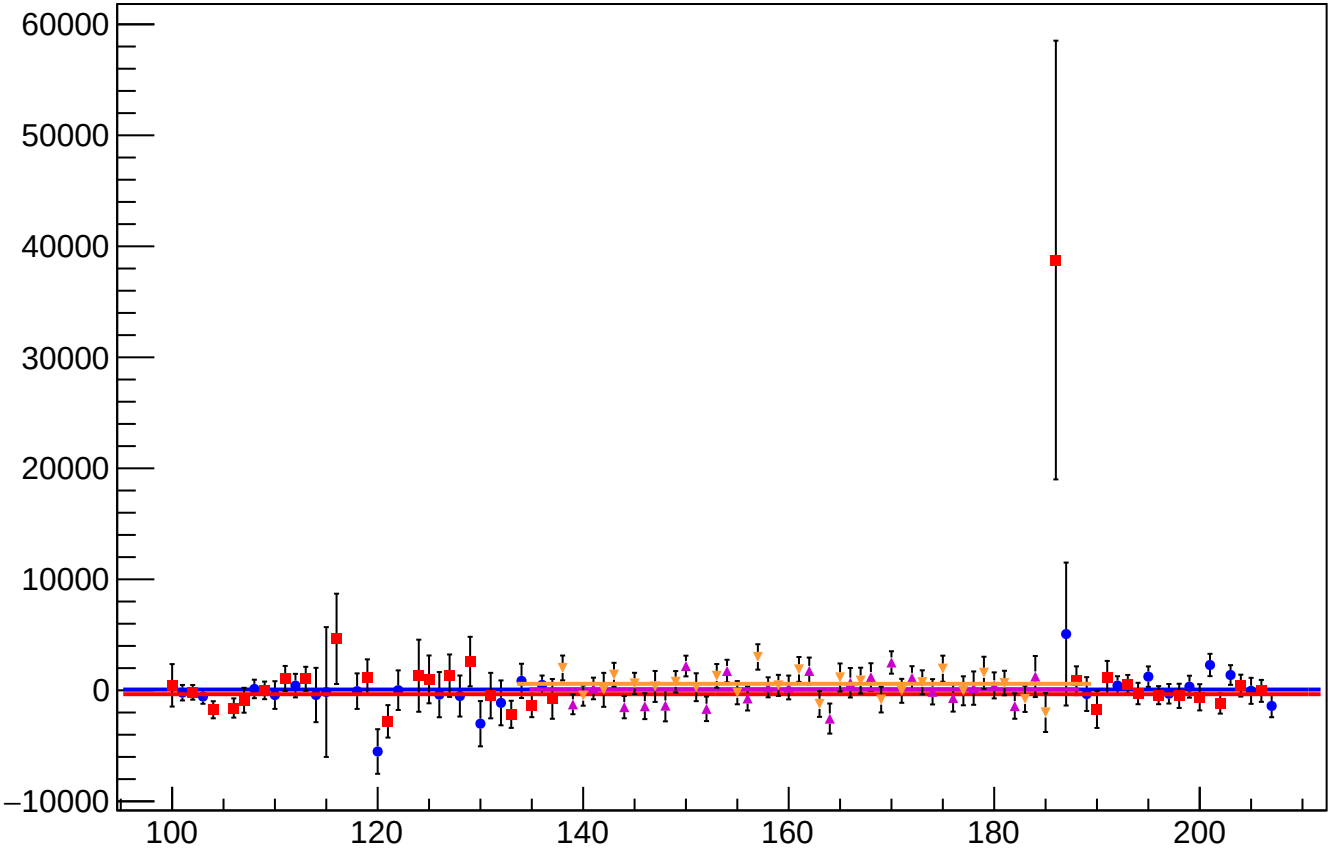
Right: 813.748+/-0.108 χ^2/NDF: 5554032.9/56

In: 915.431+/-0.116 χ^2/NDF:3327276.6/48

Out: 895.477+/-0.110 χ^2/NDF:4650803.0/55

All: 904.960+/-0.080 χ^2/NDF: 7993704.0/104

asym_sam5_mean vs Slug, Sign Corrected



Right In: 69.475+/-219.962 χ^2/NDF: 24.3/25

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

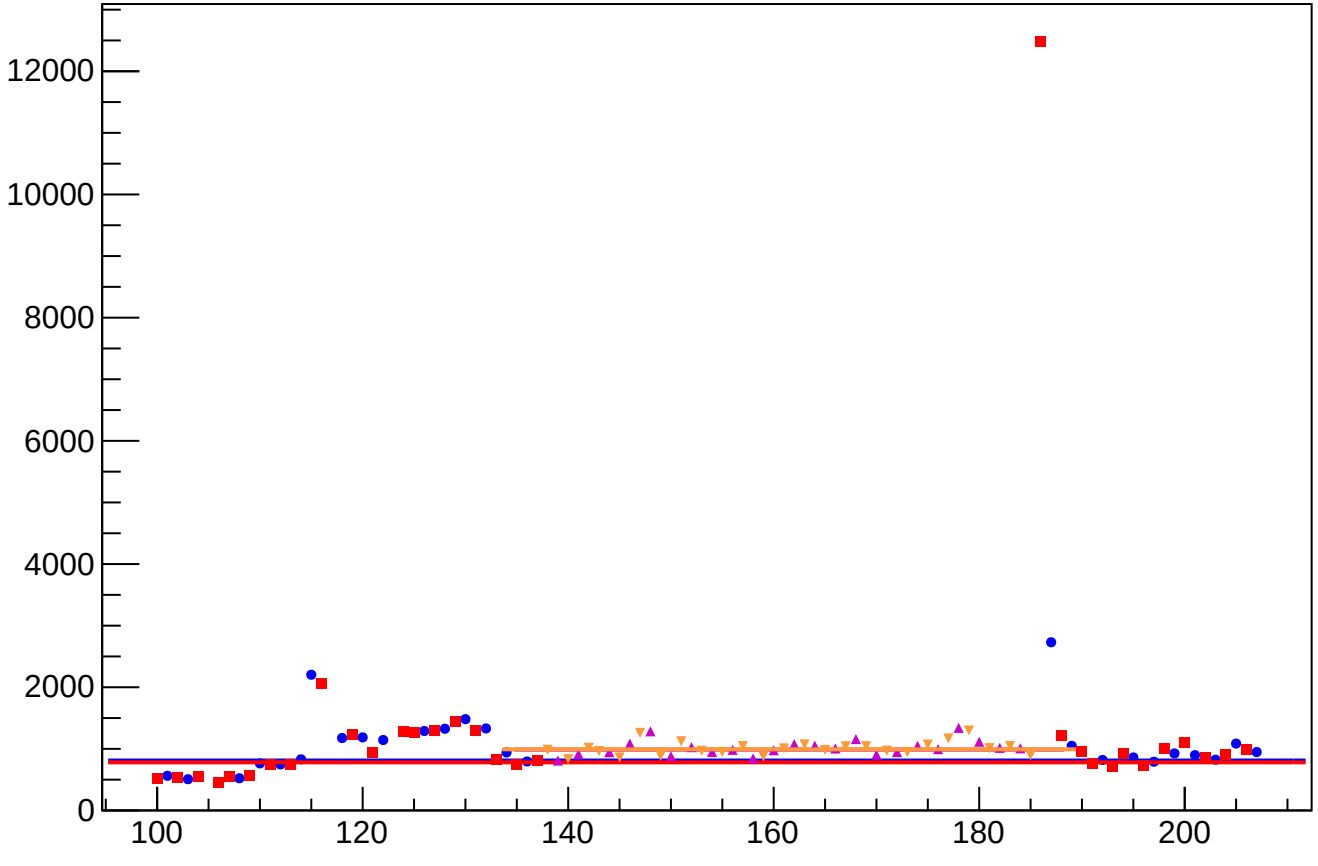
Right: -154.513+/-150.125 χ^2/NDF: 56.3/56

In: 80.413+/-159.954 χ^2/NDF:58.8/48

Out: 70.352+/-152.483 χ^2/NDF:60.2/55

All: 75.142+/-110.368 χ^2/NDF: 119.0/104

asym_sam5_rms vs Slug, Sign Corrected



Right In: 810.701+/-0.156 χ^2/NDF: 2344310.7/25

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

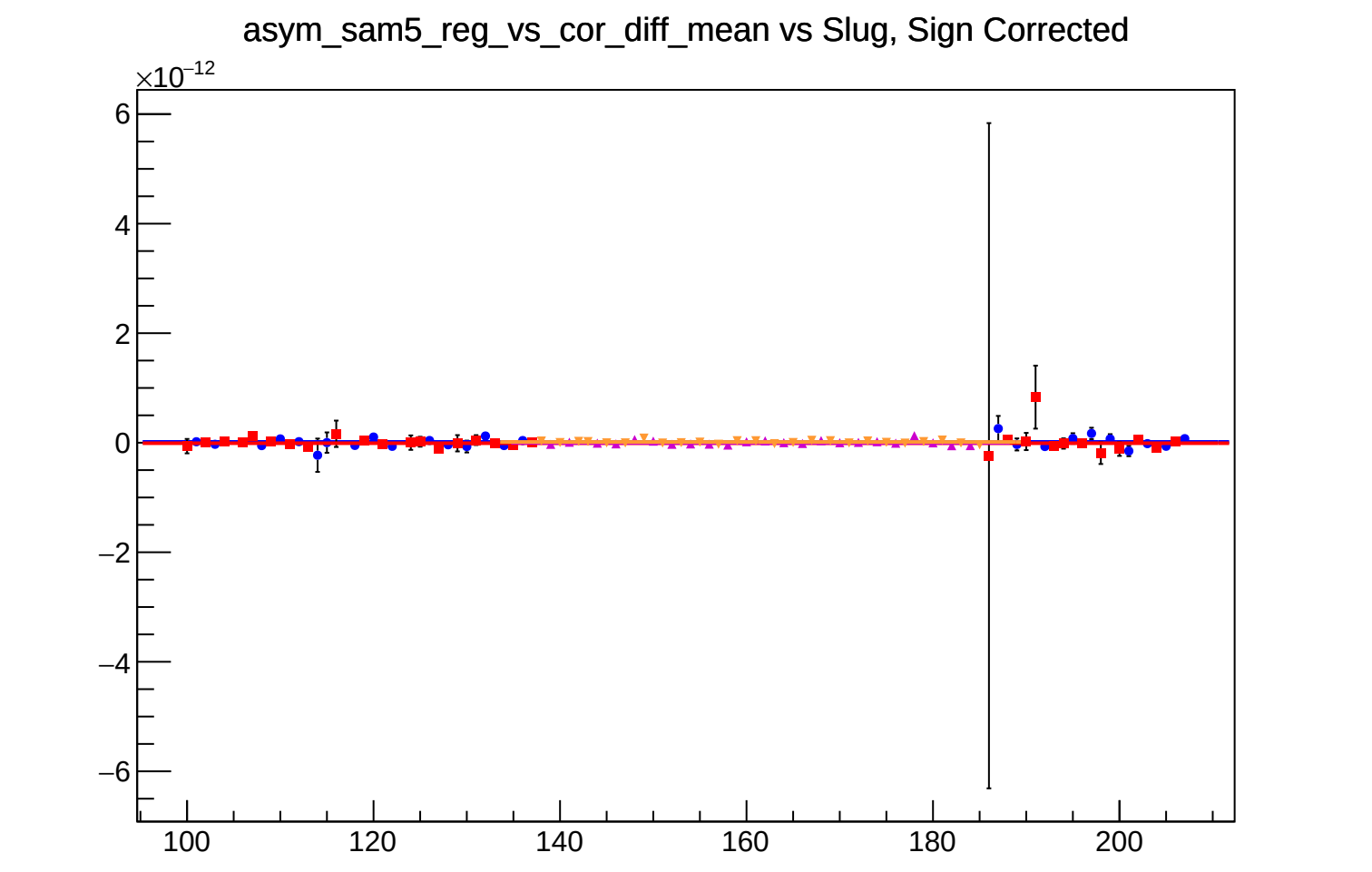
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 794.919+/-0.106 χ^2/NDF: 5747651.0/56

In: 894.142+/-0.113 χ^2/NDF:3442838.1/48

Out: 876.052+/-0.108 χ^2/NDF:4759884.1/55

All: 884.665+/-0.078 χ^2/NDF: 8216123.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/25

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

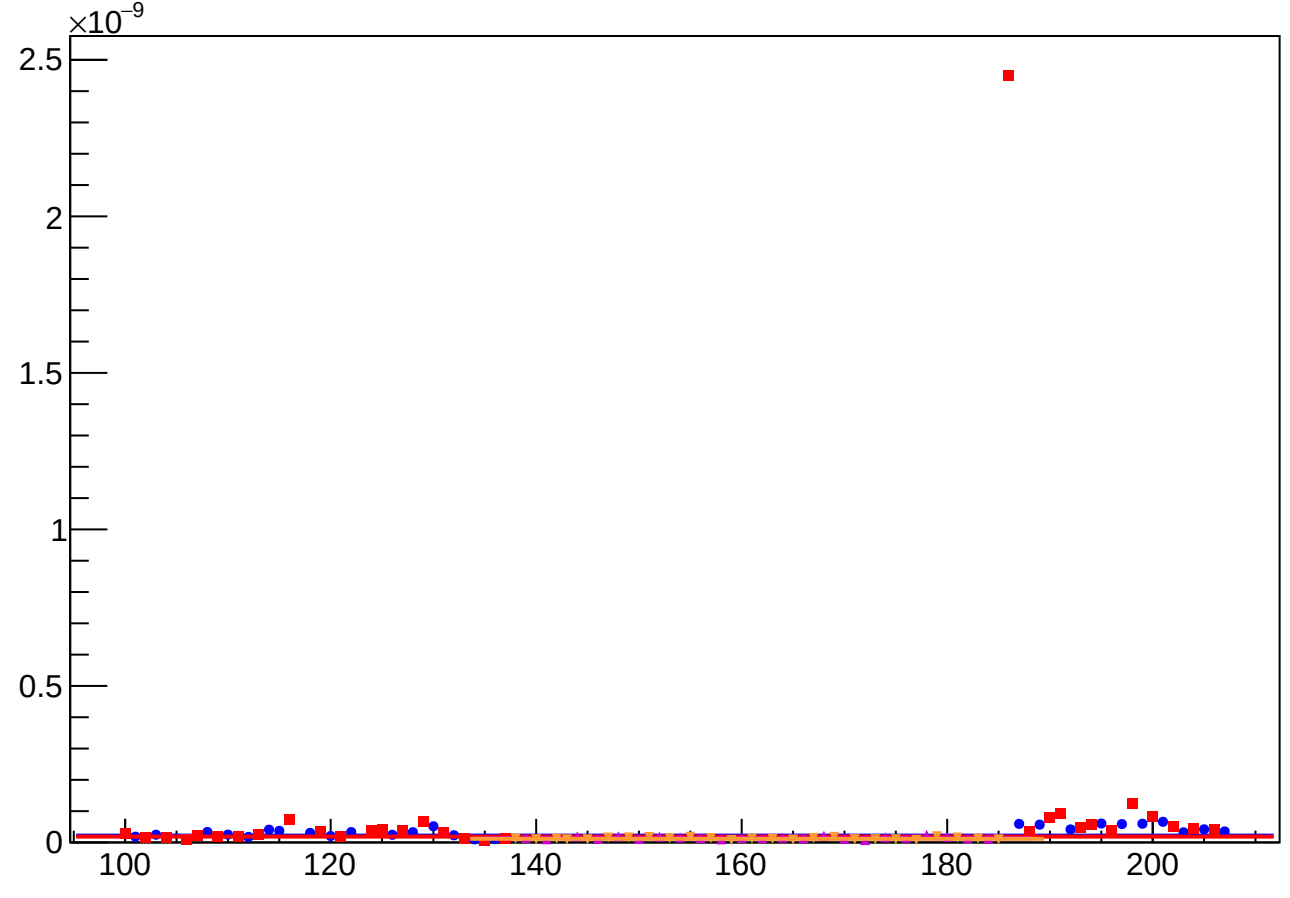
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 55.4/56

In: 0.000+/-0.000 χ^2/NDF:60.3/48

Out: 0.000+/-0.000 χ^2/NDF:50.7/55

All: 0.000+/-0.000 χ^2/NDF: 112.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 3665381.5/25

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

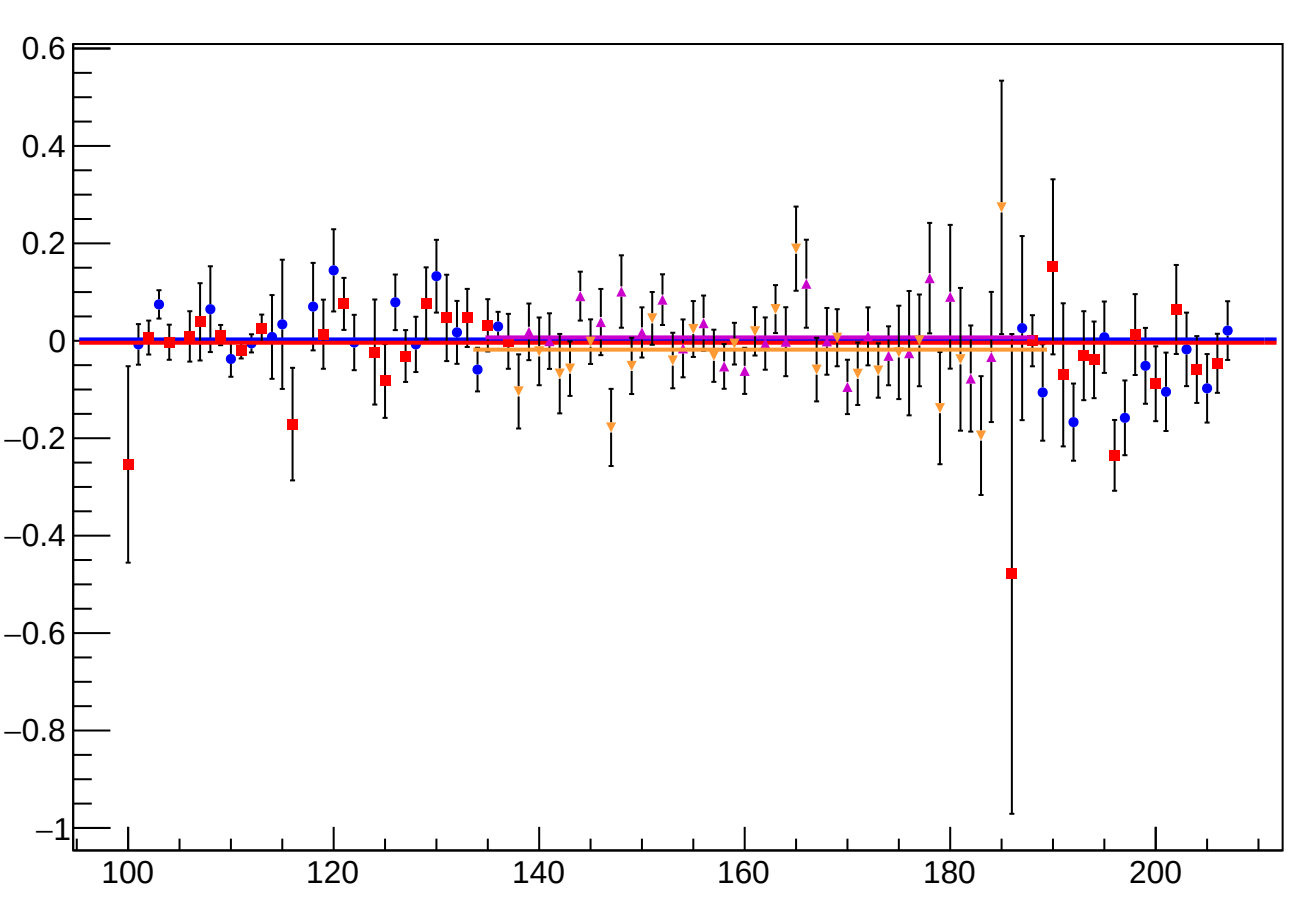
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9558872.8/56

In: 0.000+/-0.000 χ^2/NDF:5671100.1/48

Out: 0.000+/-0.000 χ^2/NDF:7548918.7/55

All: 0.000+/-0.000 χ^2/NDF: 13454147.3/104



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/25

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

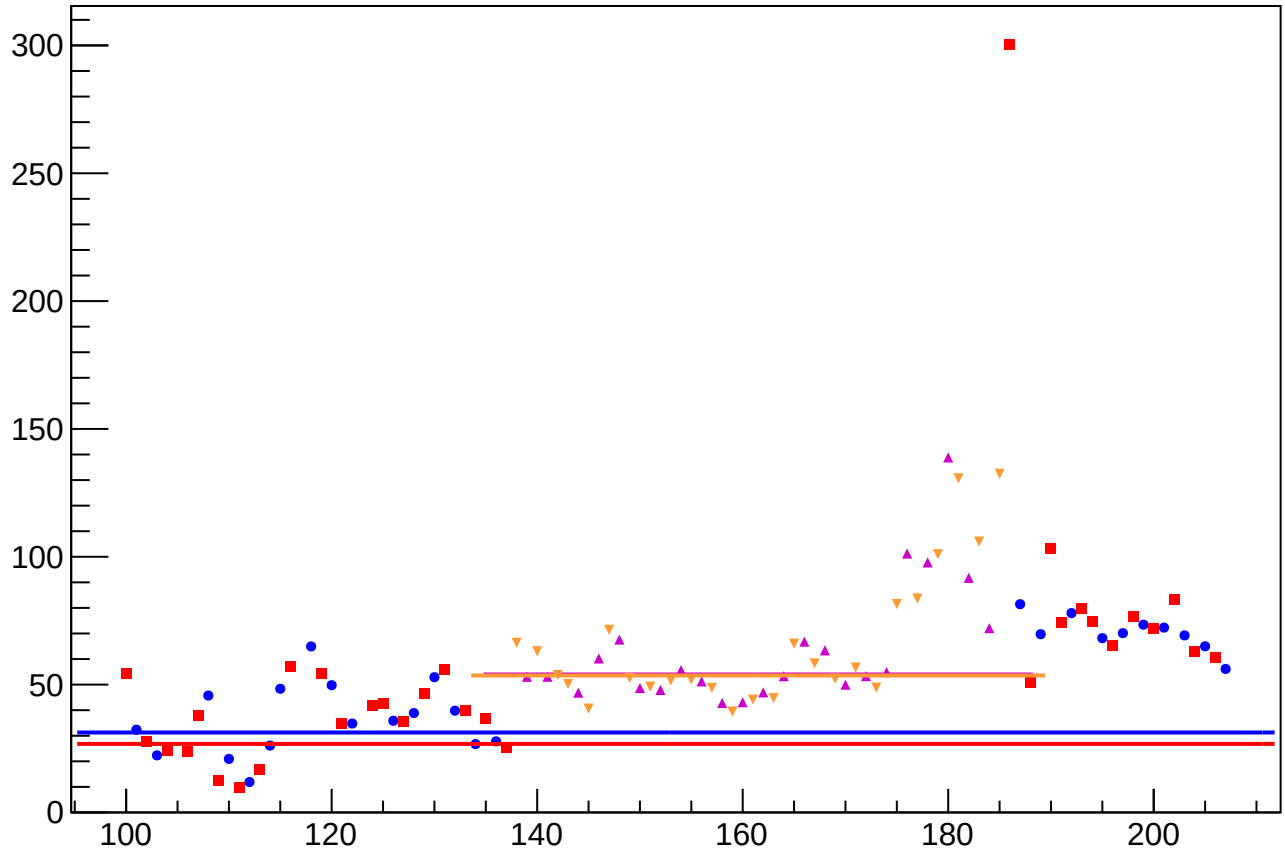
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.2/56

In: 0.004+/-0.008 χ^2/NDF:52.5/48

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.3/104



Right In: 31.277+/-0.007 χ^2/NDF: 7858792.8/25

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

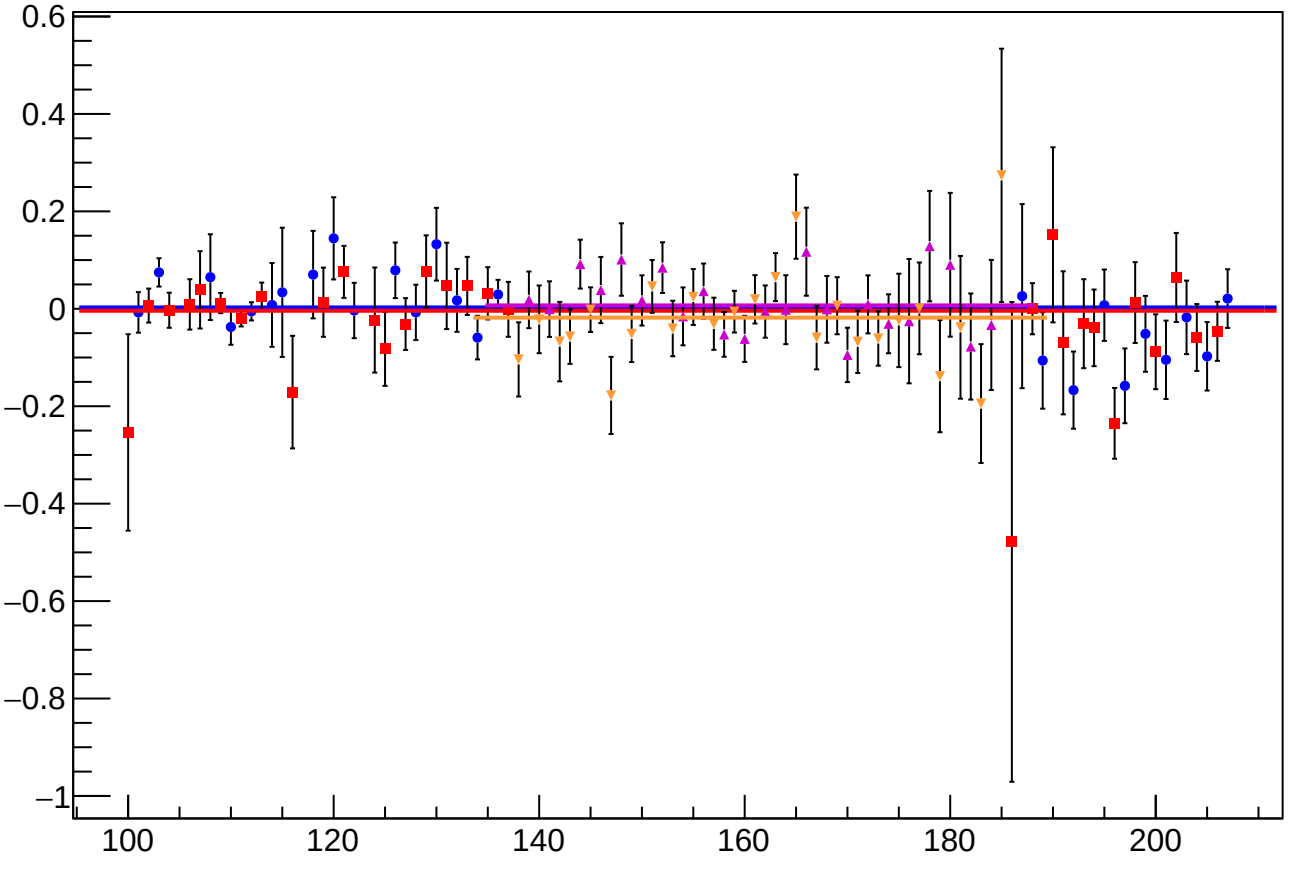
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 28.763+/-0.005 χ^2/NDF: 19554700.5/56

In: 39.280+/-0.006 χ^2/NDF:13725063.6/48

Out: 35.112+/-0.005 χ^2/NDF:20136793.7/55

All: 36.999+/-0.004 χ^2/NDF: 34171490.0/104



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/25

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

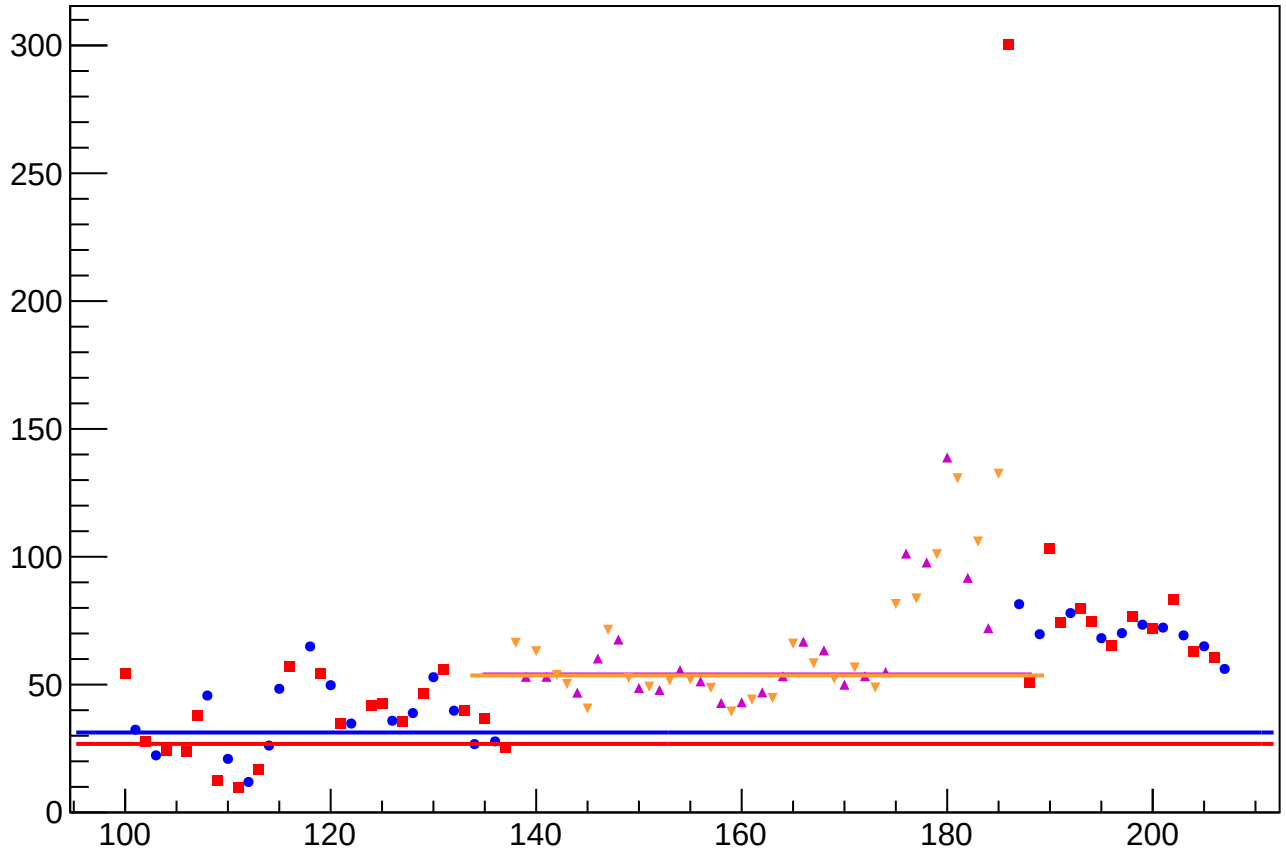
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.2/56

In: 0.004+/-0.008 χ^2/NDF:52.5/48

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.3/104



Right In: 31.277+/-0.007 χ^2/NDF: 7858792.8/25

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

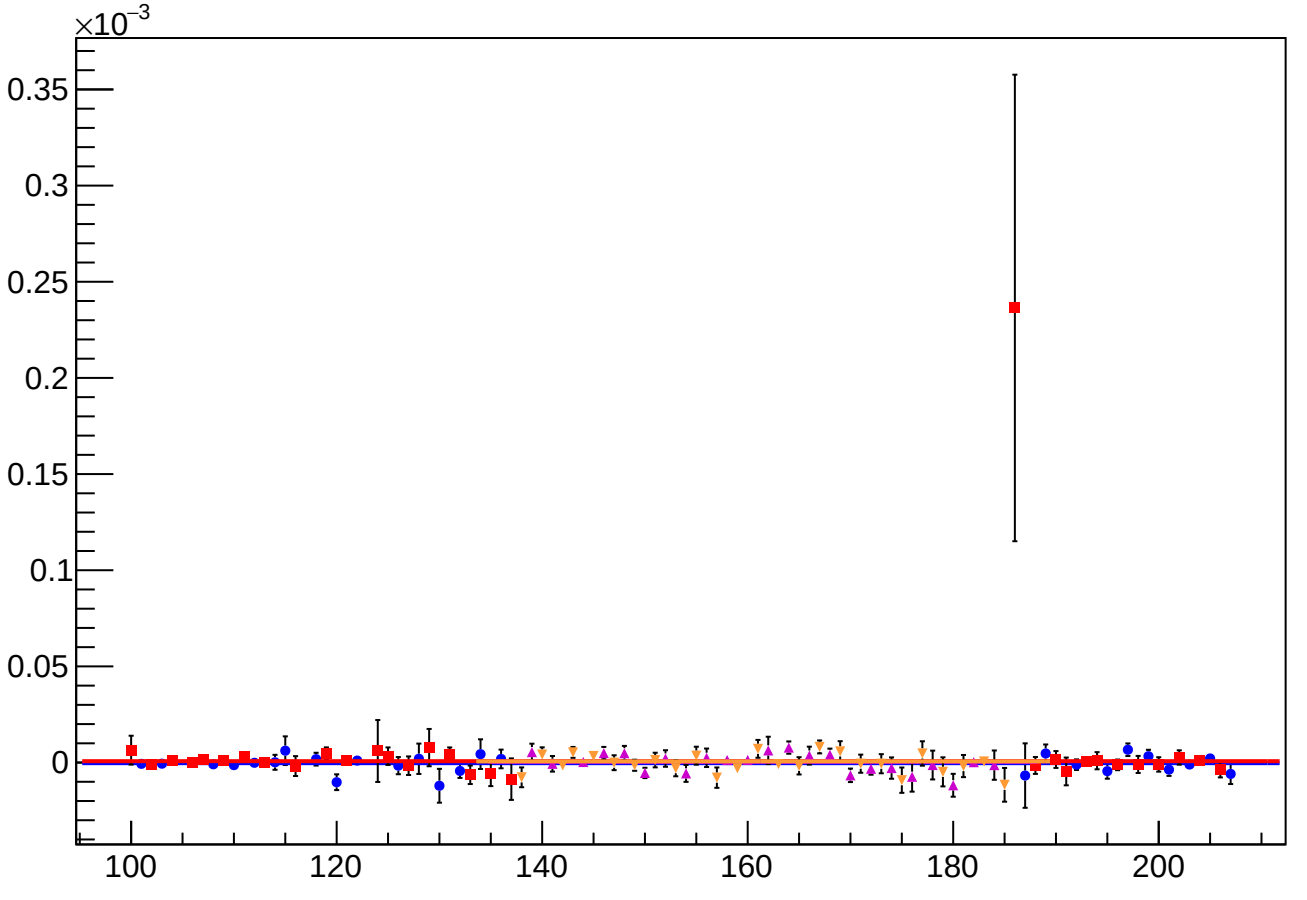
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 28.763+/-0.005 χ^2/NDF: 19554700.5/56

In: 39.280+/-0.006 χ^2/NDF:13725063.6/48

Out: 35.112+/-0.005 χ^2/NDF:20136793.7/55

All: 36.999+/-0.004 χ^2/NDF: 34171490.0/104



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/25

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

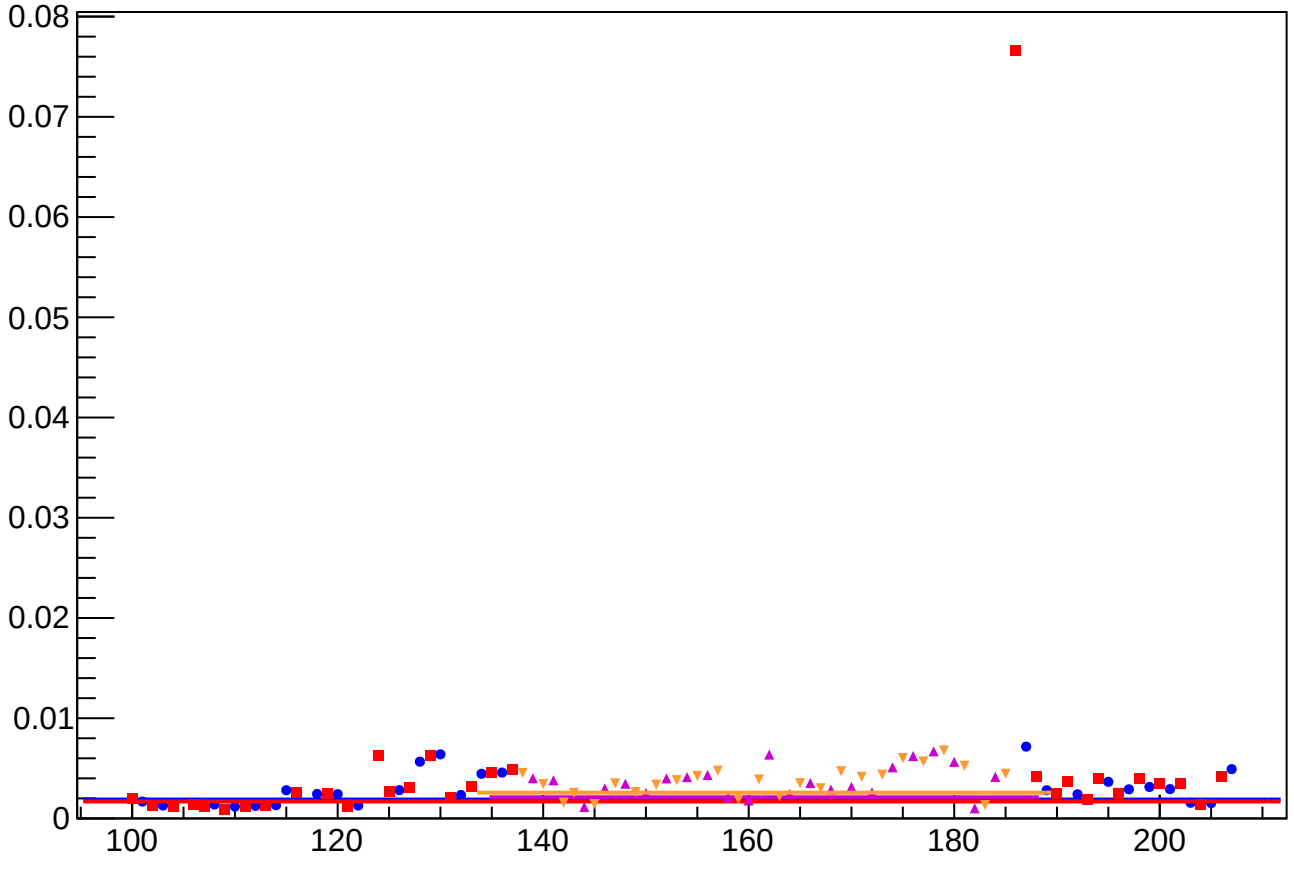
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 44.5/56

In: 0.000+/-0.000 χ^2/NDF:55.5/48

Out: 0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 106.6/104



Right In: 0.002+/-0.000 χ^2/NDF: 5383007.2/25

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

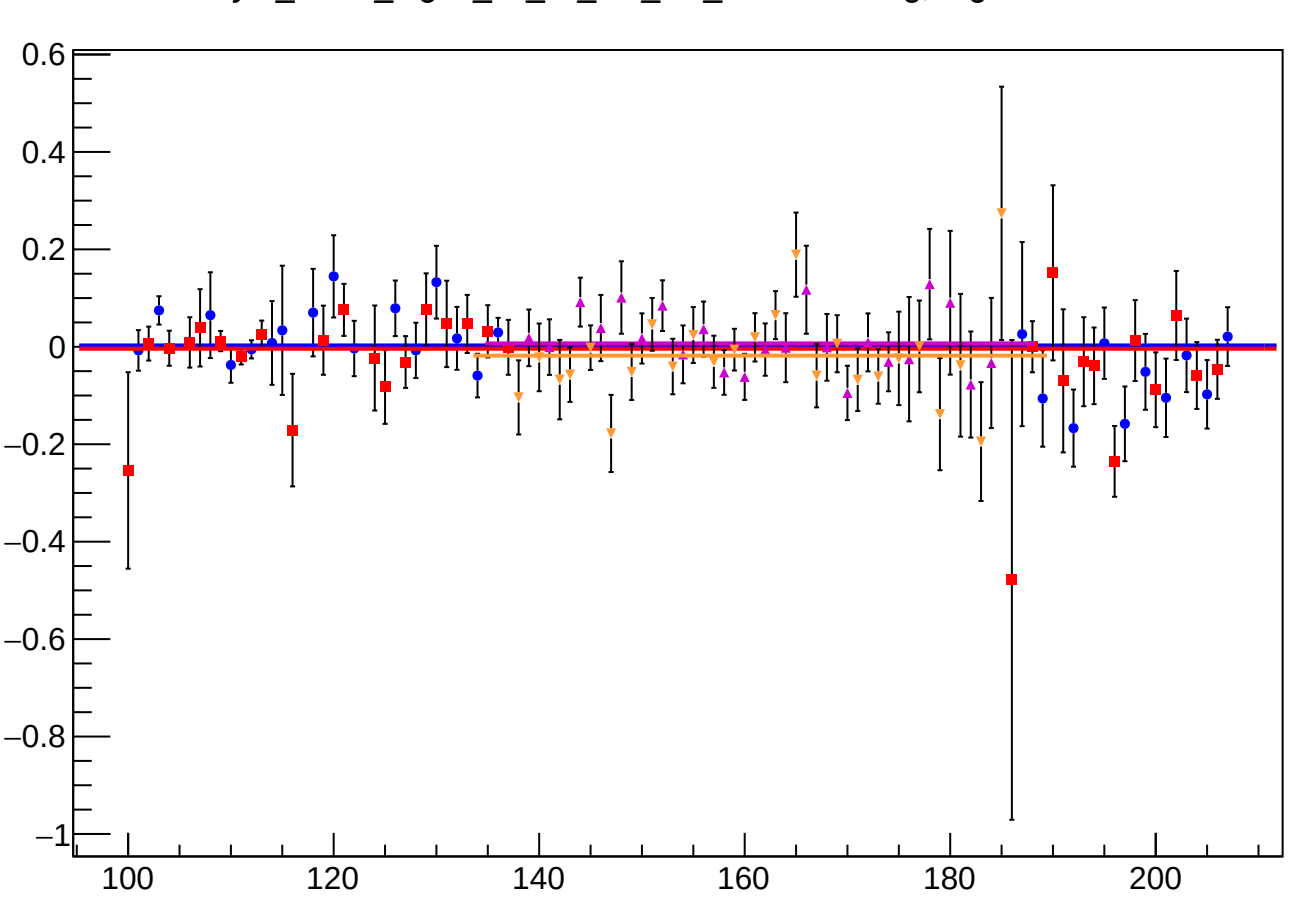
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 13479439.2/56

In: 0.002+/-0.000 χ^2/NDF:15028239.1/48

Out: 0.002+/-0.000 χ^2/NDF:17348165.5/55

All: 0.002+/-0.000 χ^2/NDF: 32377907.7/104



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/25

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

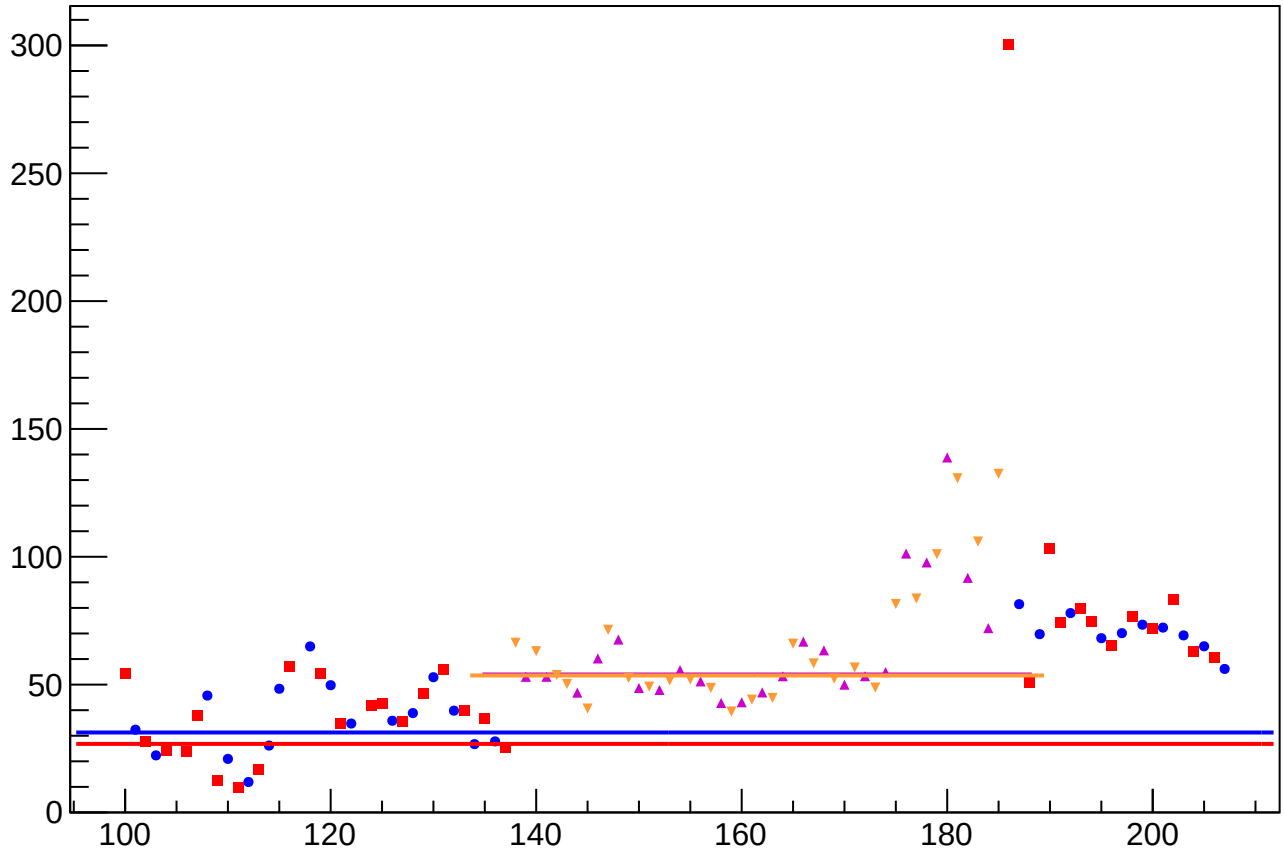
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.2/56

In: 0.004+/-0.008 χ^2/NDF:52.5/48

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.3/104



Right In: 31.276+/-0.007 χ^2/NDF: 7858864.0/25

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

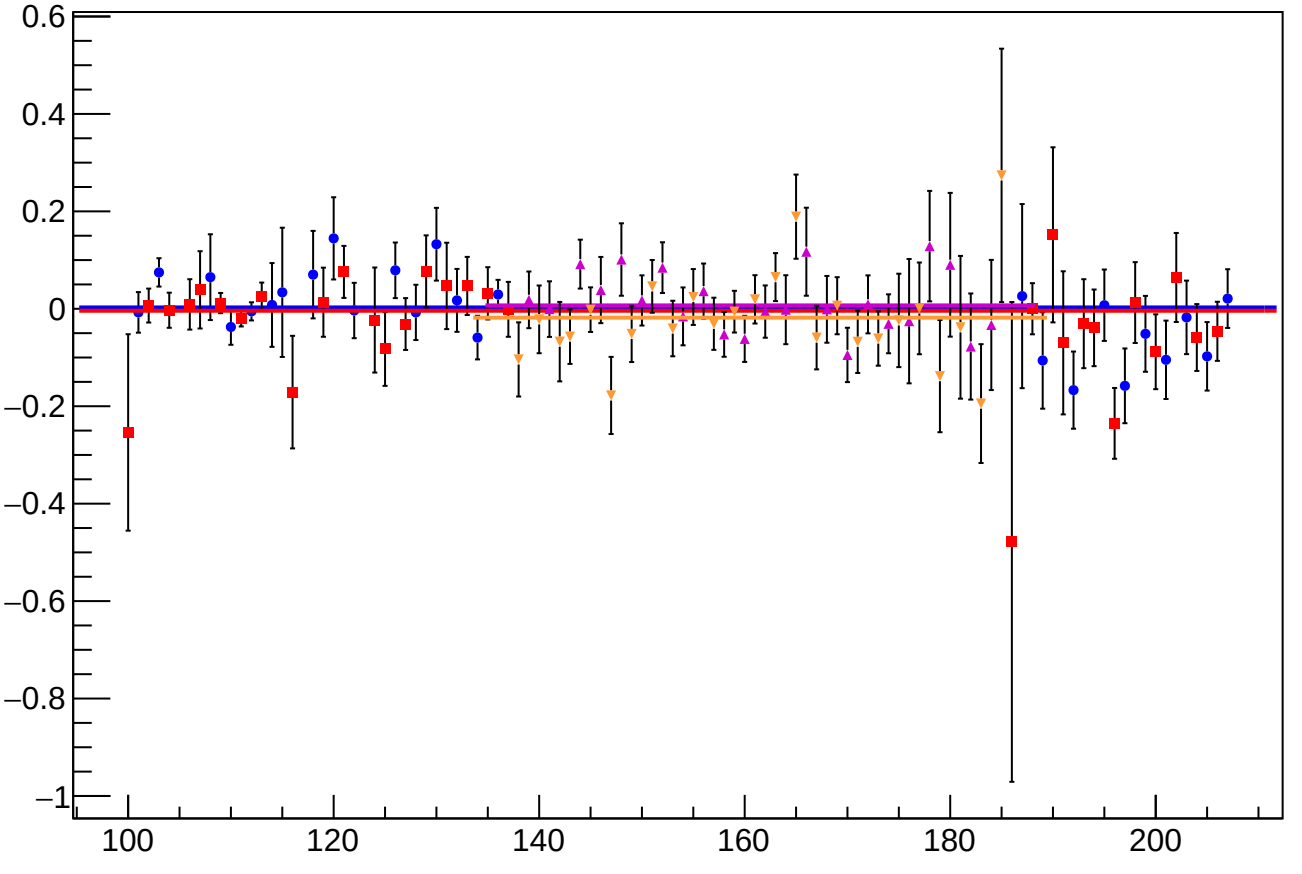
Right: 28.762+/-0.005 χ^2/NDF: 19554961.2/56

In: 39.279+/-0.006 χ^2/NDF:13725529.3/48

Out: 35.111+/-0.005 χ^2/NDF:20137485.6/55

All: 36.998+/-0.004 χ^2/NDF: 34172667.9/104

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.010 χ^2/NDF: 33.8/25

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

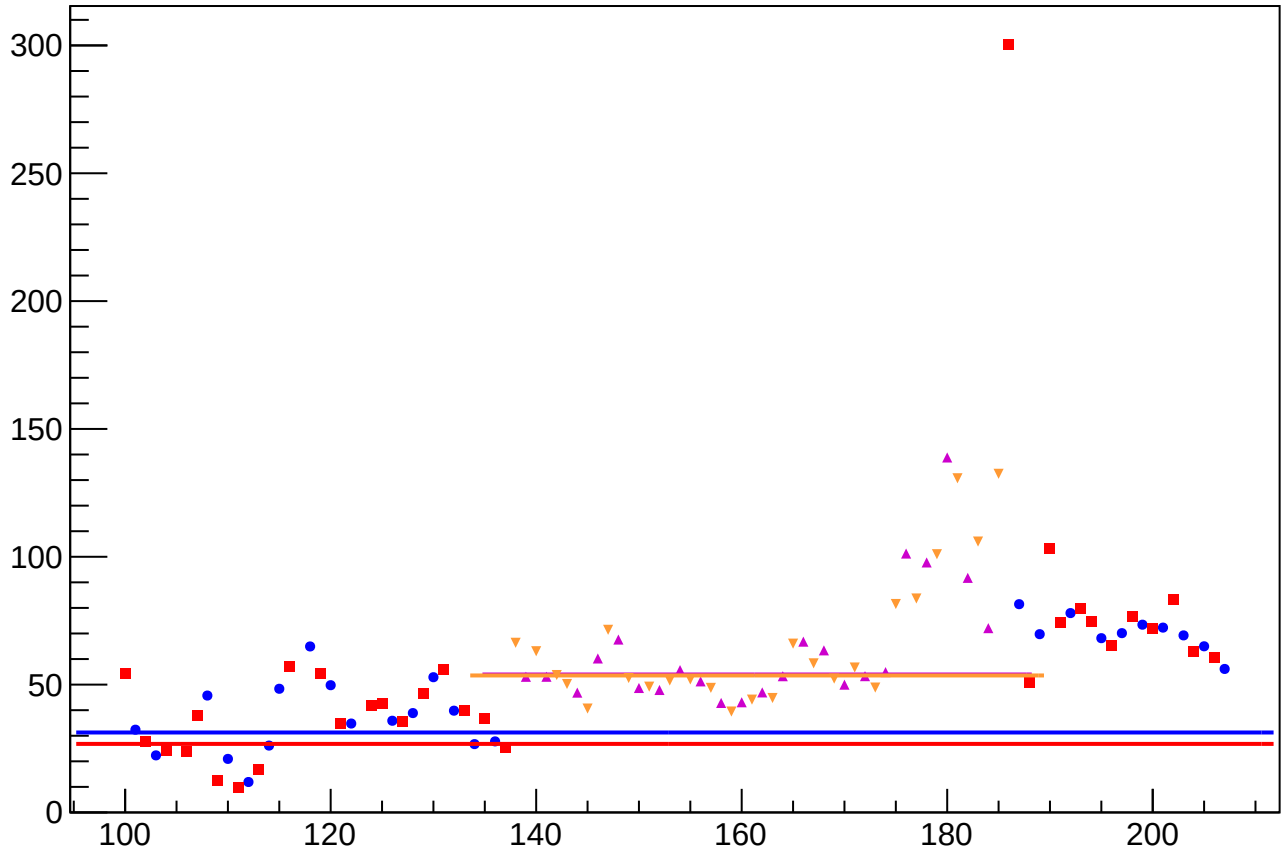
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.006 χ^2/NDF: 62.2/56

In: 0.004+/-0.008 χ^2/NDF:52.5/48

Out: -0.008+/-0.007 χ^2/NDF:53.4/55

All: -0.003+/-0.005 χ^2/NDF: 107.3/104



Right In: 31.276+/-0.007 χ^2/NDF: 7858864.0/25

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

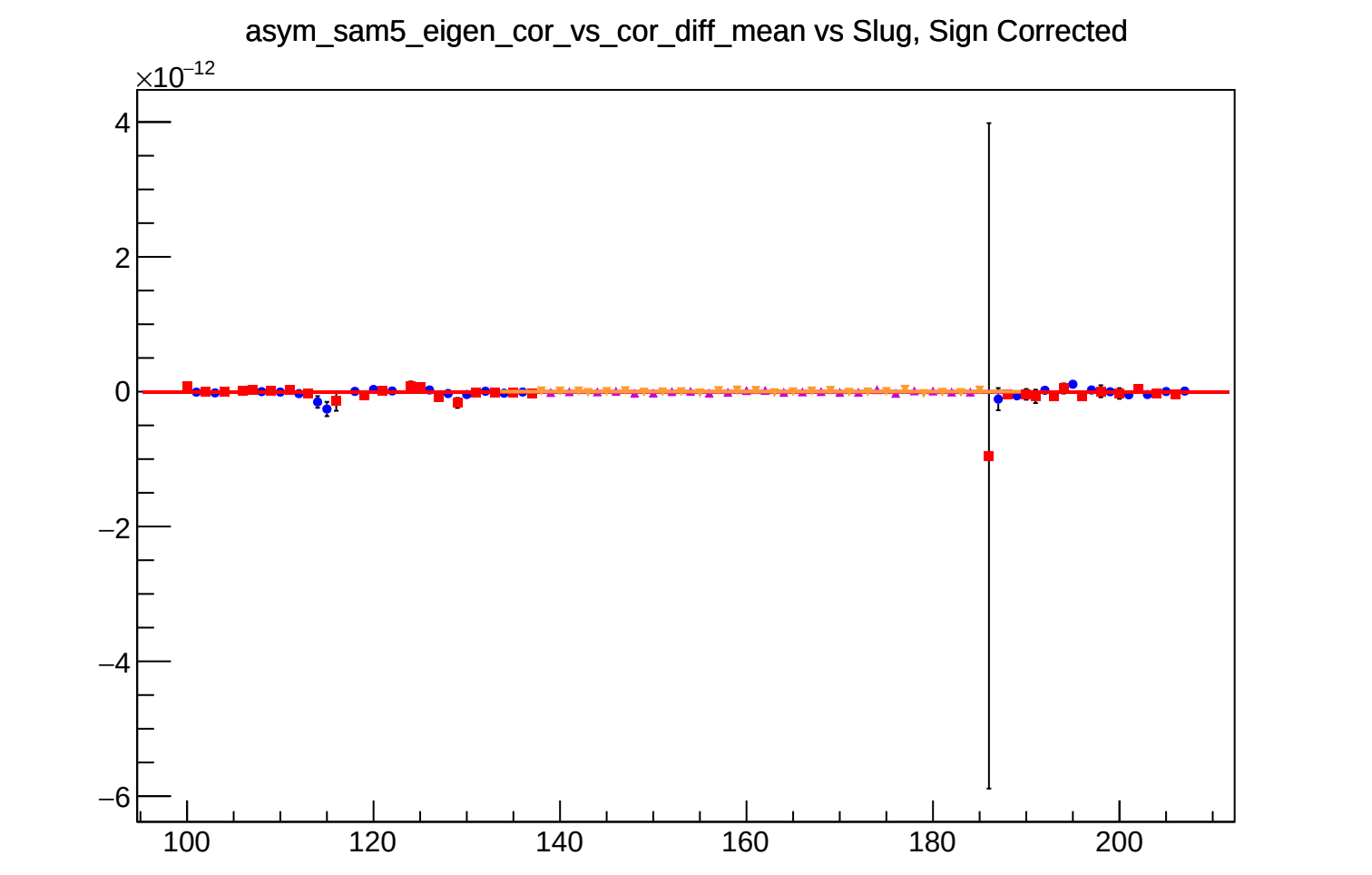
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 28.762+/-0.005 χ^2/NDF: 19554961.2/56

In: 39.279+/-0.006 χ^2/NDF:13725529.3/48

Out: 35.111+/-0.005 χ^2/NDF:20137485.6/55

All: 36.998+/-0.004 χ^2/NDF: 34172667.9/104



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/25

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

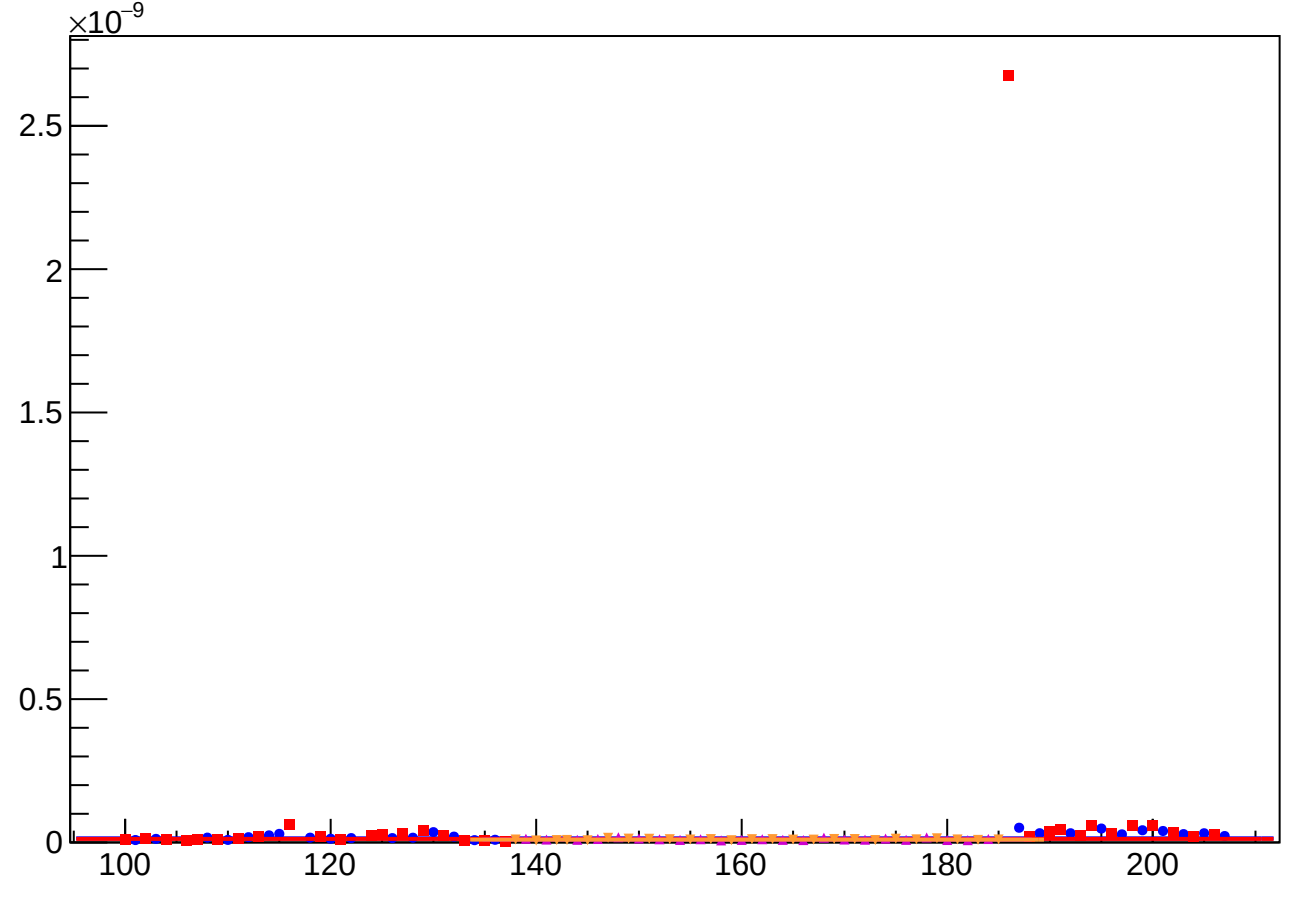
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.2/56

In: -0.000+/-0.000 χ^2/NDF:41.5/48

Out: -0.000+/-0.000 χ^2/NDF:65.4/55

All: -0.000+/-0.000 χ^2/NDF: 107.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 5014621.0/25

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

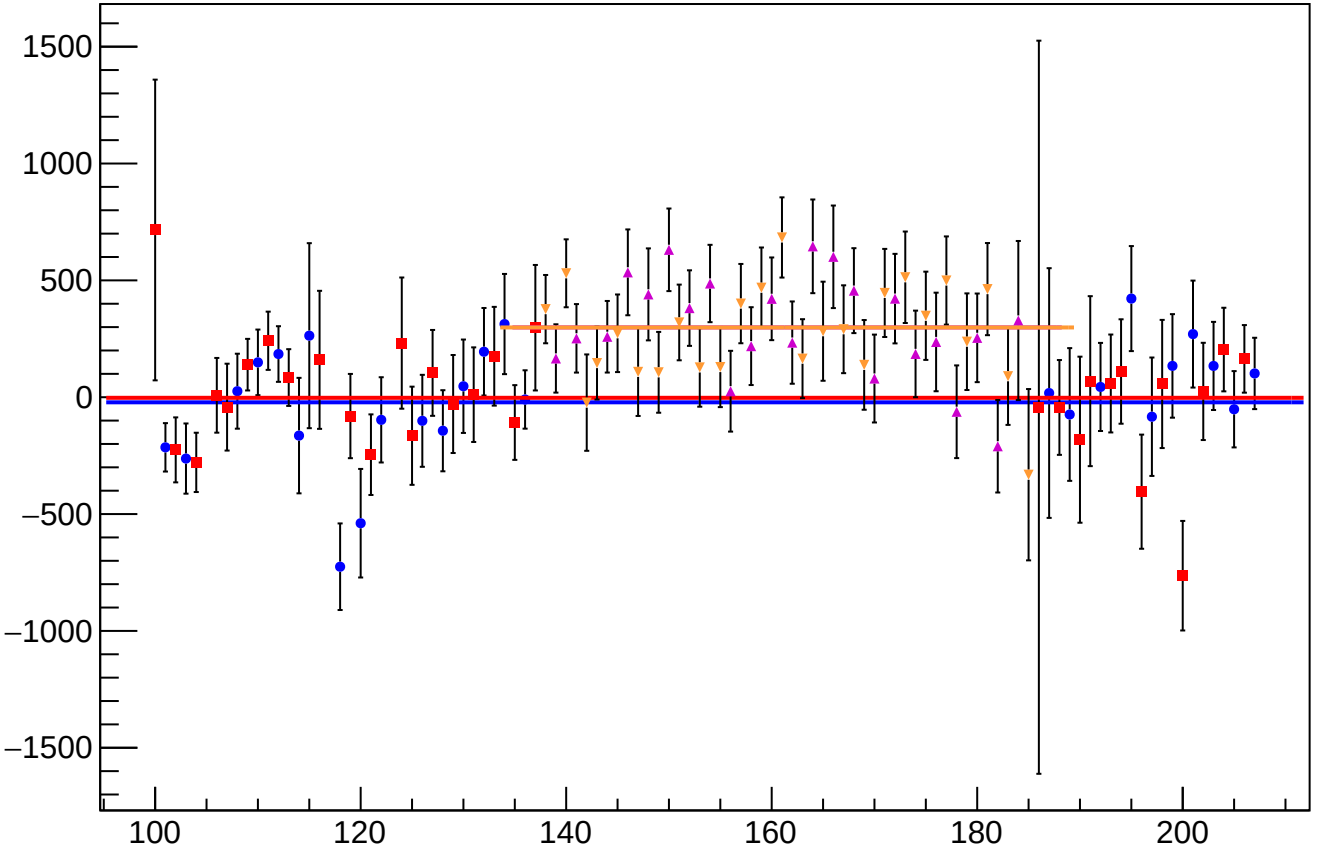
Right: 0.000+/-0.000 χ^2/NDF: 13151045.1/56

In: 0.000+/-0.000 χ^2/NDF:7239181.2/48

Out: 0.000+/-0.000 χ^2/NDF:9616179.7/55

All: 0.000+/-0.000 χ^2/NDF: 16928081.3/104

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -21.831+/-34.833 χ^2/NDF: 43.2/25

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

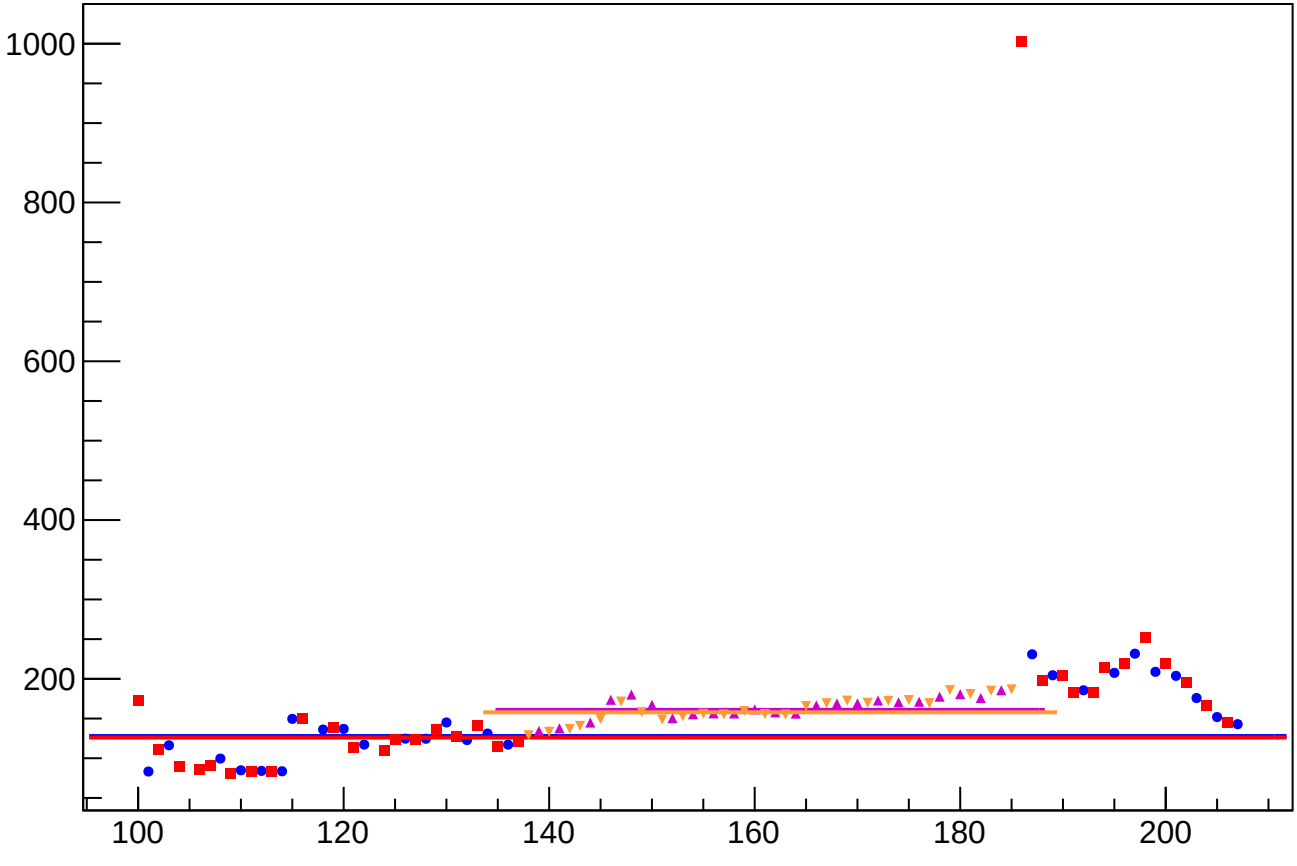
Right: -11.769+/-24.115 χ^2/NDF: 81.1/56

In: 125.660+/-25.593 χ^2/NDF:111.6/48

Out: 136.611+/-24.508 χ^2/NDF:101.3/55

All: 131.372+/-17.701 χ^2/NDF: 212.9/104

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.938+/-0.025 χ^2/NDF: 2695049.9/25

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

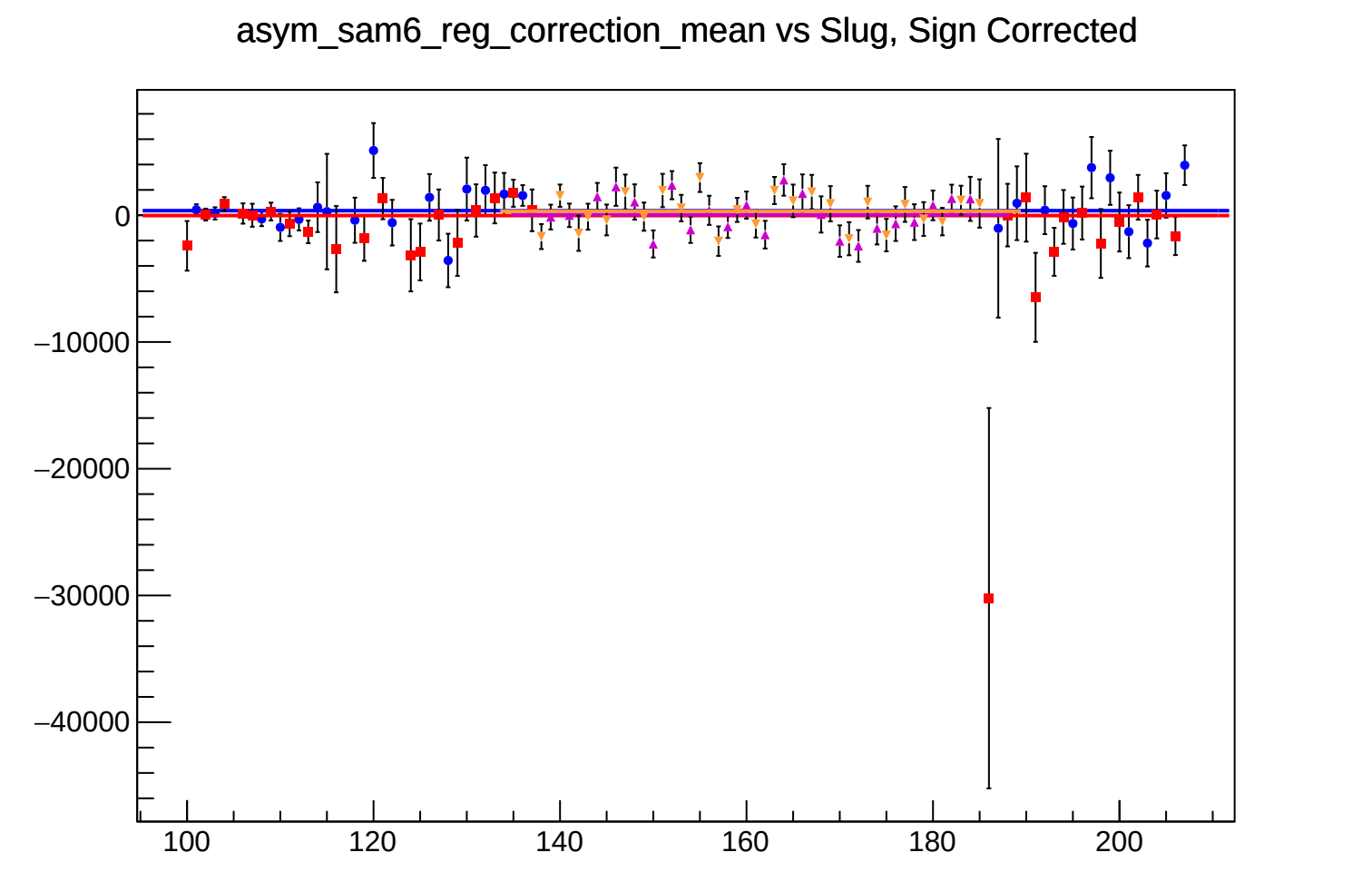
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.962+/-0.017 χ^2/NDF: 6854856.7/56

In: 143.094+/-0.018 χ^2/NDF:3786259.2/48

Out: 140.748+/-0.017 χ^2/NDF:5369503.5/55

All: 141.870+/-0.013 χ^2/NDF: 9164533.7/104



Right In: 361.206+/-217.701 χ^2/NDF: 28.7/25

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

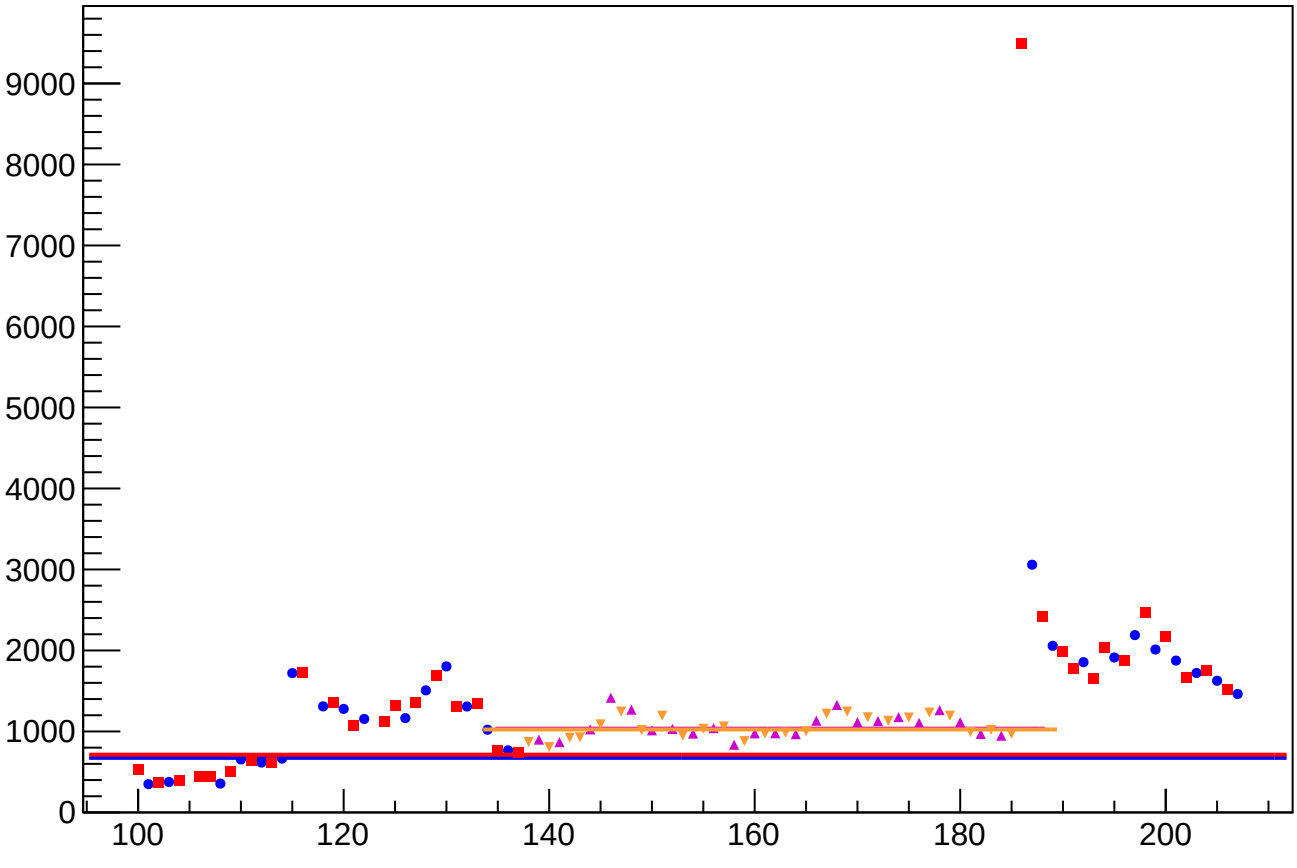
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 169.238+/-154.157 χ^2/NDF: 58.9/56

In: 218.586+/-162.489 χ^2/NDF:64.5/48

Out: 135.369+/-159.975 χ^2/NDF:62.3/55

All: 176.329+/-113.998 χ^2/NDF: 126.9/104



Right In: 674.279+/-0.154 χ^2/NDF: 10520854.8/25

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

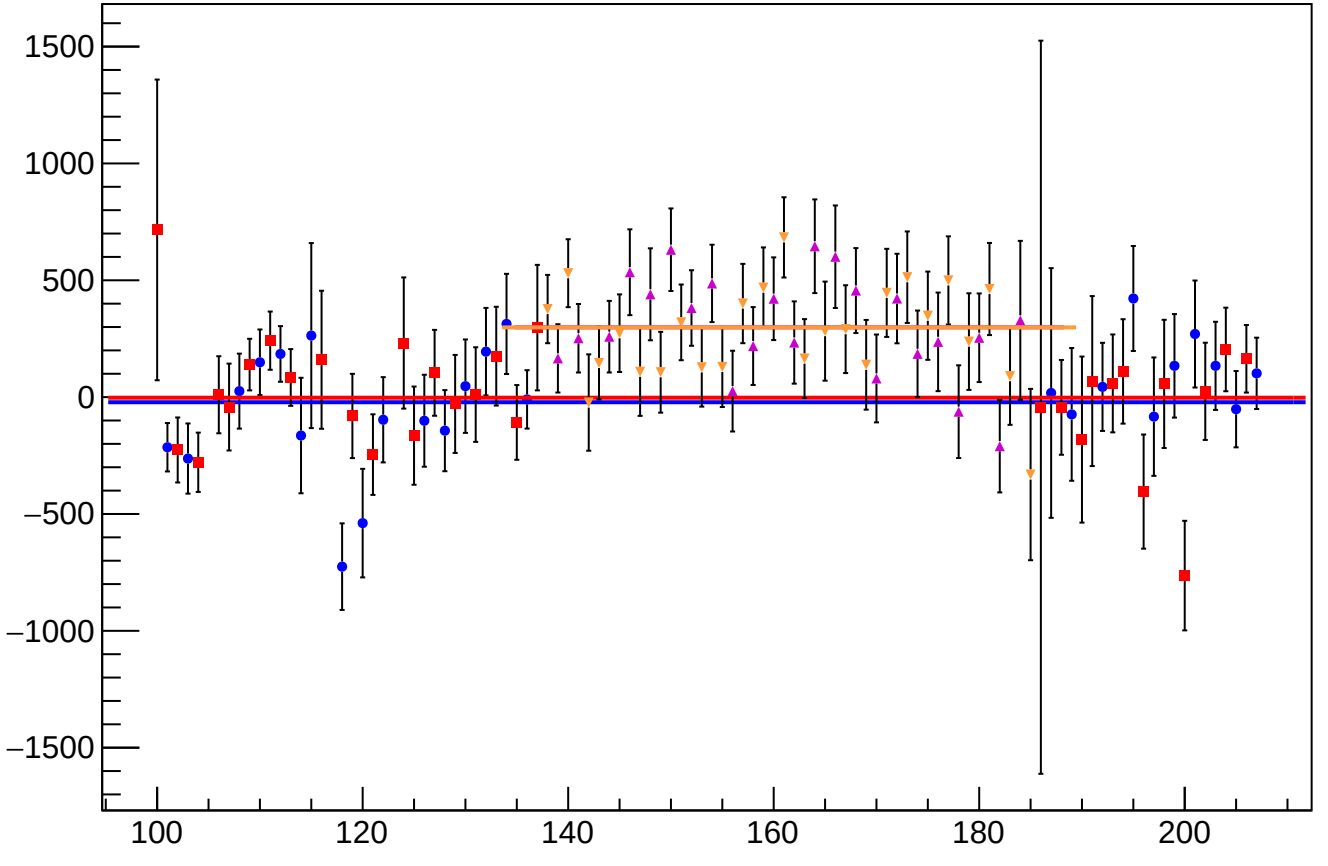
Right: 693.689+/-0.109 χ^2/NDF: 21855303.5/56

In: 833.792+/-0.115 χ^2/NDF:13573627.5/48

Out: 857.360+/-0.113 χ^2/NDF:13782975.4/55

All: 845.760+/-0.081 χ^2/NDF: 27377969.2/10

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -21.850+/-34.833 χ^2/NDF: 43.2/25

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

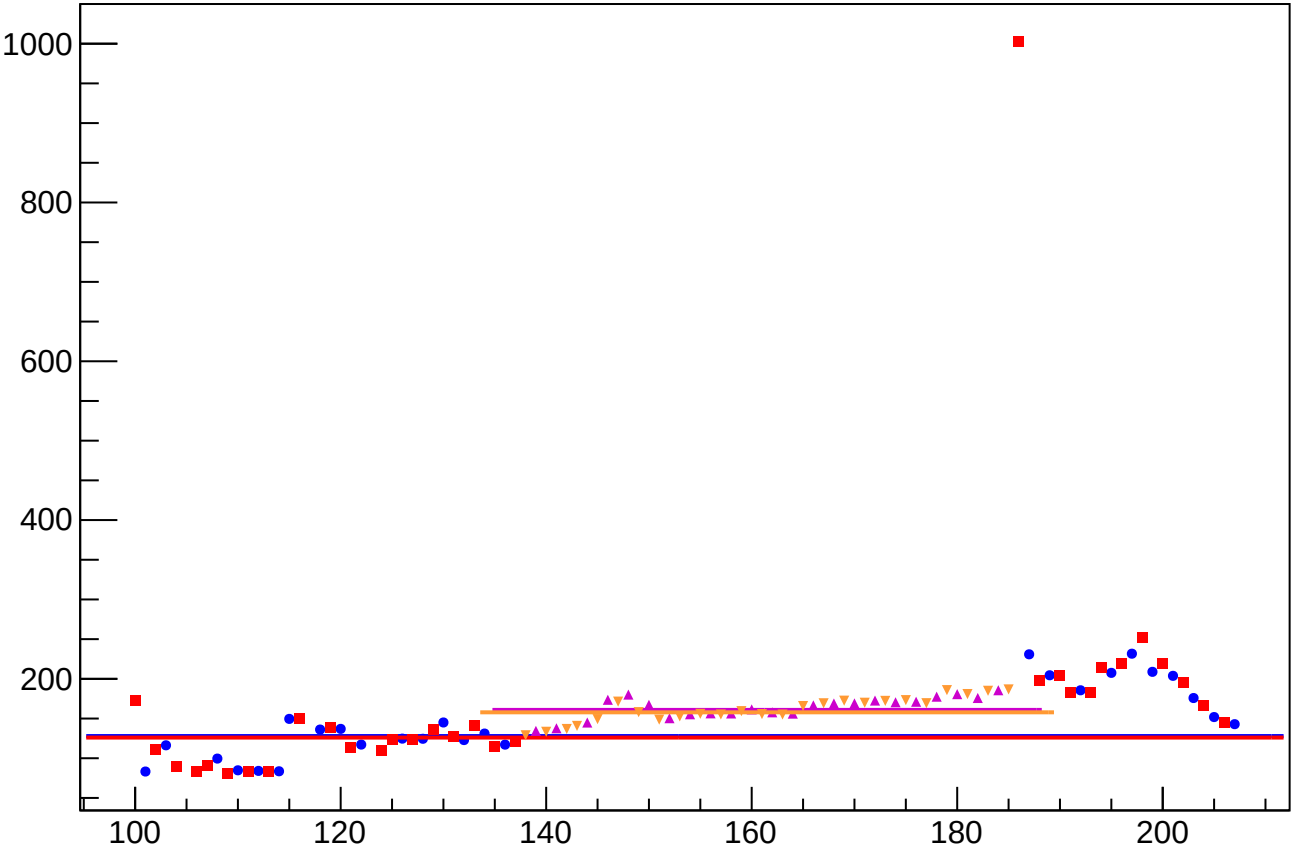
Right: -11.778+/-24.131 χ^2/NDF: 81.2/56

In: 125.653+/-25.593 χ^2/NDF:111.6/48

Out: 136.825+/-24.525 χ^2/NDF:101.2/55

All: 131.477+/-17.707 χ^2/NDF: 212.9/104

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.938+/-0.025 χ^2/NDF: 2695048.2/25

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

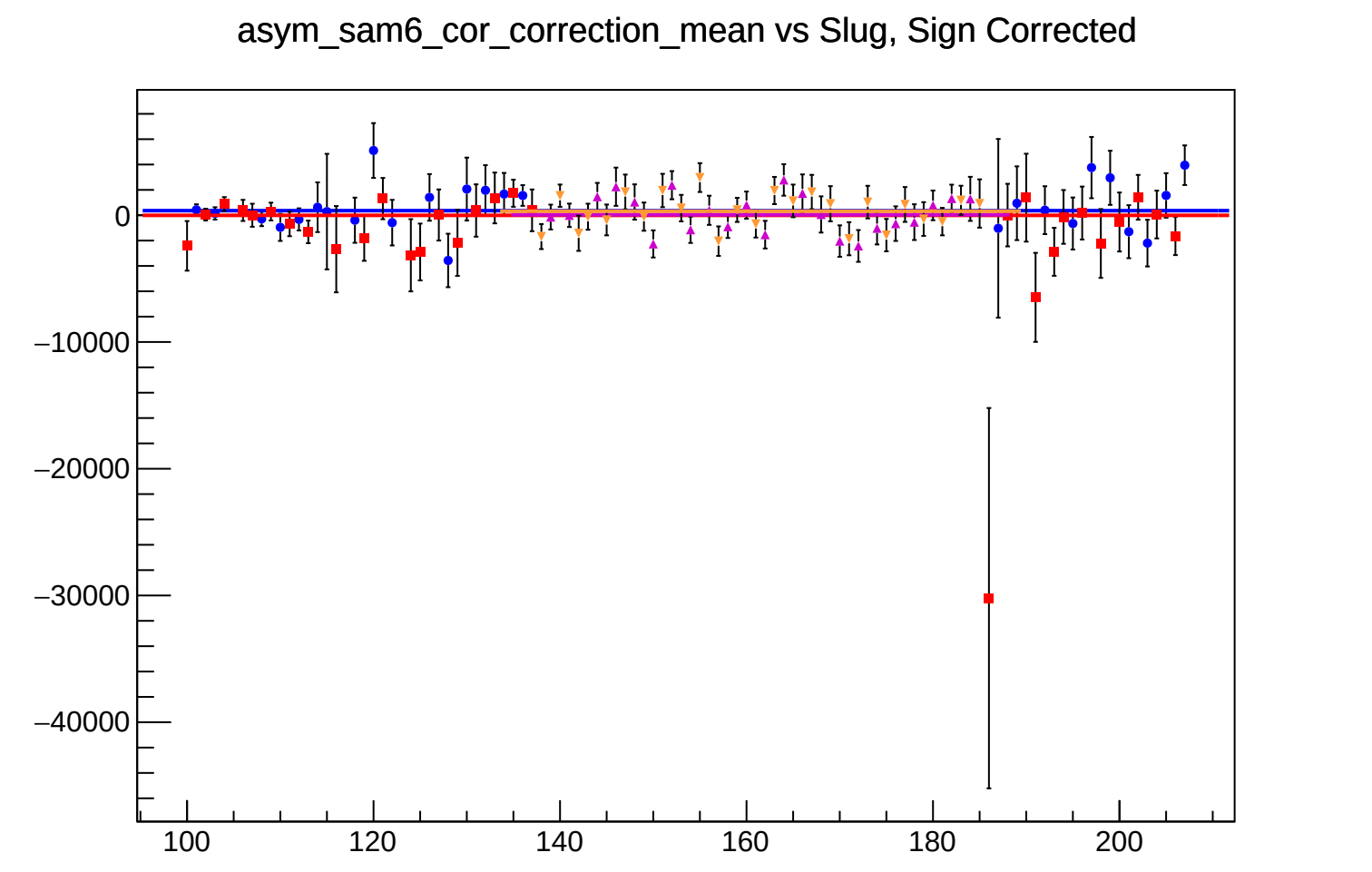
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.952+/-0.017 χ^2/NDF: 6866585.9/56

In: 143.094+/-0.018 χ^2/NDF:3786254.9/48

Out: 140.757+/-0.017 χ^2/NDF:5381327.9/55

All: 141.876+/-0.013 χ^2/NDF: 9176281.9/104



Right In: 361.328+/-217.695 χ^2/NDF: 28.7/25

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

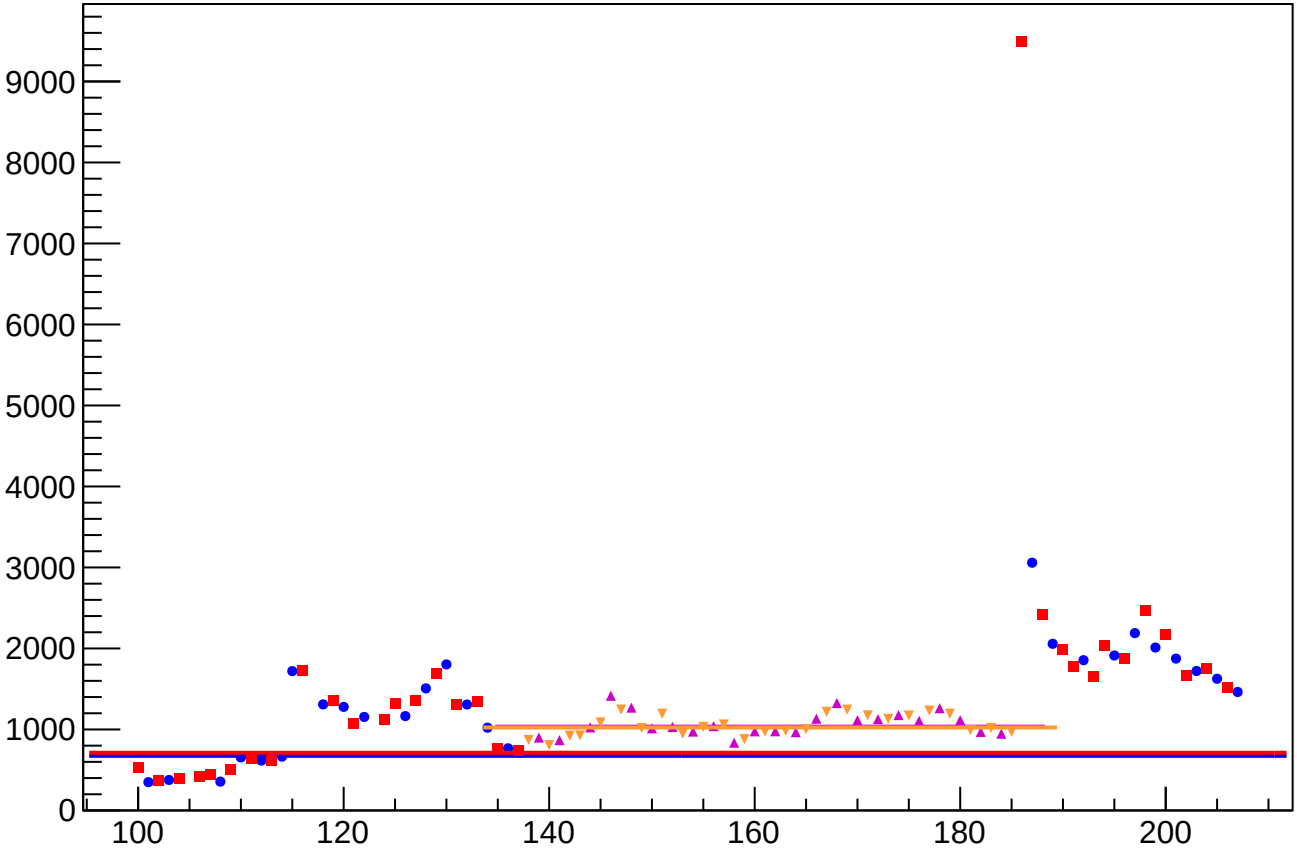
Right: 177.320+/-154.338 χ^2/NDF: 58.9/56

In: 218.658+/-162.487 χ^2/NDF:64.5/48

Out: 143.919+/-160.180 χ^2/NDF:62.4/55

All: 180.754+/-114.071 χ^2/NDF: 126.9/104

asym_sam6_cor_correction_rms vs Slug, Sign Corrected



Right In: 674.252+/-0.154 χ^2/NDF: 10521326.2/25

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

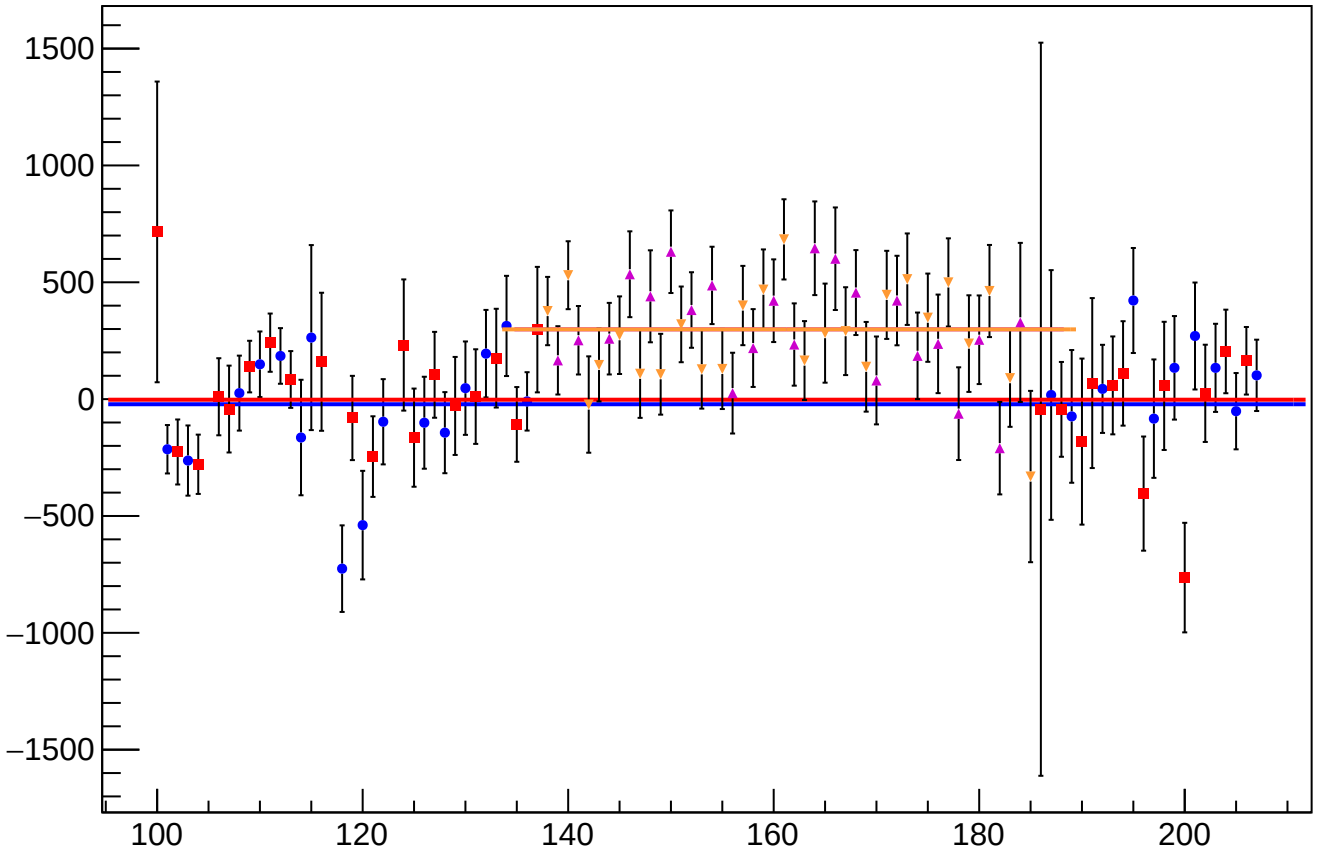
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 693.294+/-0.109 χ^2/NDF: 21887424.6/56

In: 833.772+/-0.115 χ^2/NDF:13574519.6/48

Out: 857.368+/-0.113 χ^2/NDF:13819735.2/55

All: 845.739+/-0.081 χ^2/NDF: 27415645.1/10



Right In: -21.850+/-34.833 χ^2/NDF: 43.2/25

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

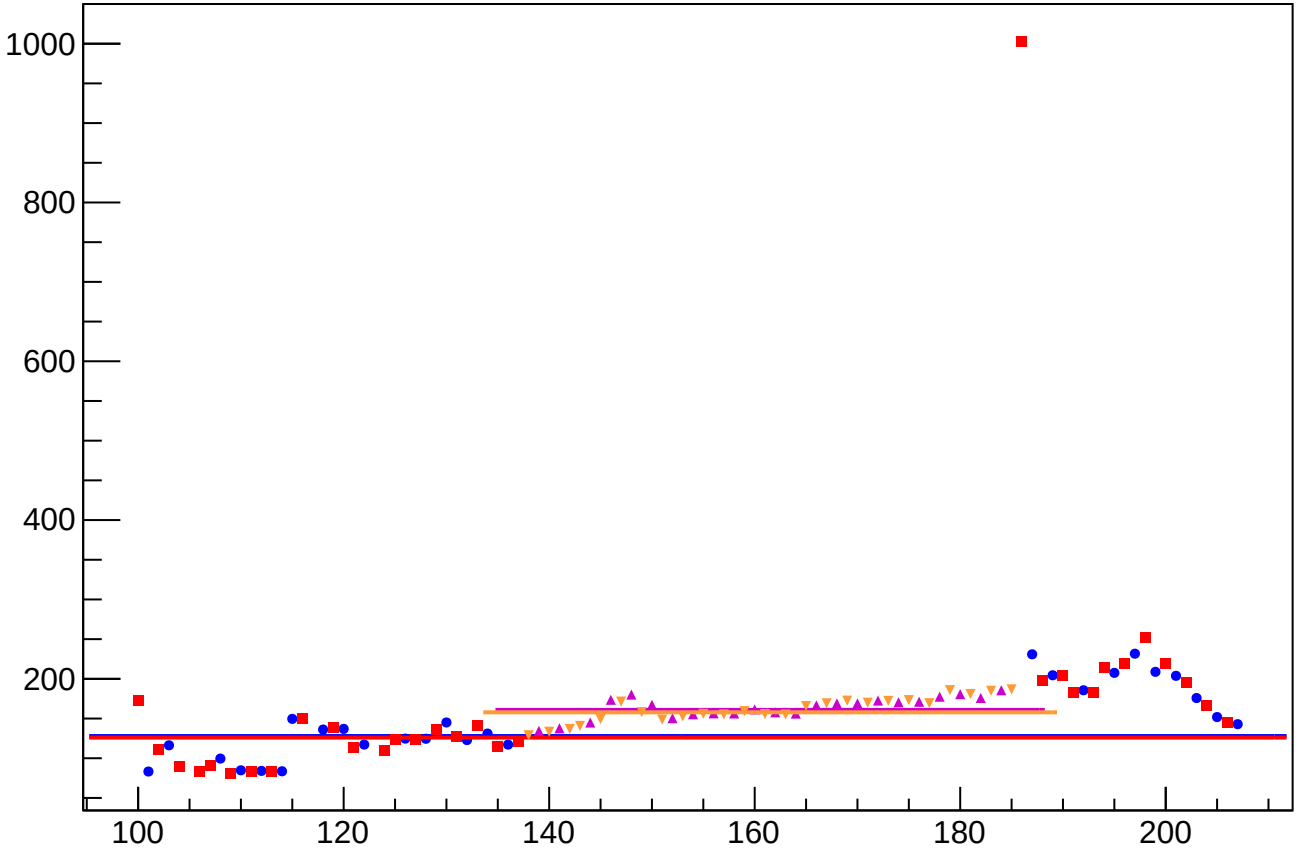
Right: -11.778+/-24.131 χ^2/NDF: 81.2/56

In: 125.653+/-25.593 χ^2/NDF:111.6/48

Out: 136.825+/-24.525 χ^2/NDF:101.2/55

All: 131.477+/-17.707 χ^2/NDF: 212.9/104

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.938+/-0.025 χ^2/NDF: 2695048.2/25

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

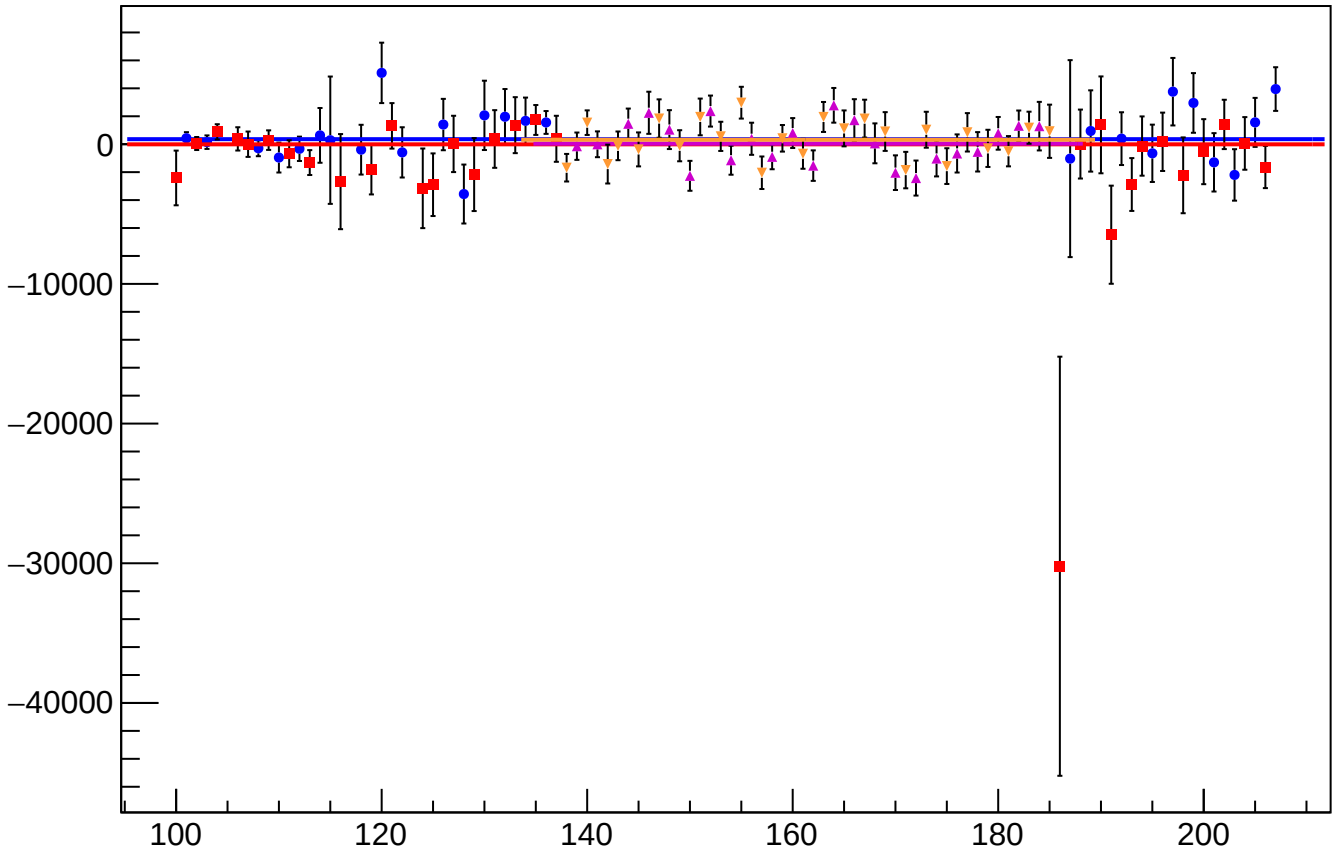
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.952+/-0.017 χ^2/NDF: 6866585.9/56

In: 143.094+/-0.018 χ^2/NDF:3786254.9/48

Out: 140.757+/-0.017 χ^2/NDF:5381327.9/55

All: 141.876+/-0.013 χ^2/NDF: 9176281.9/104



Right In: 361.328+/-217.695 χ^2/NDF: 28.7/25

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

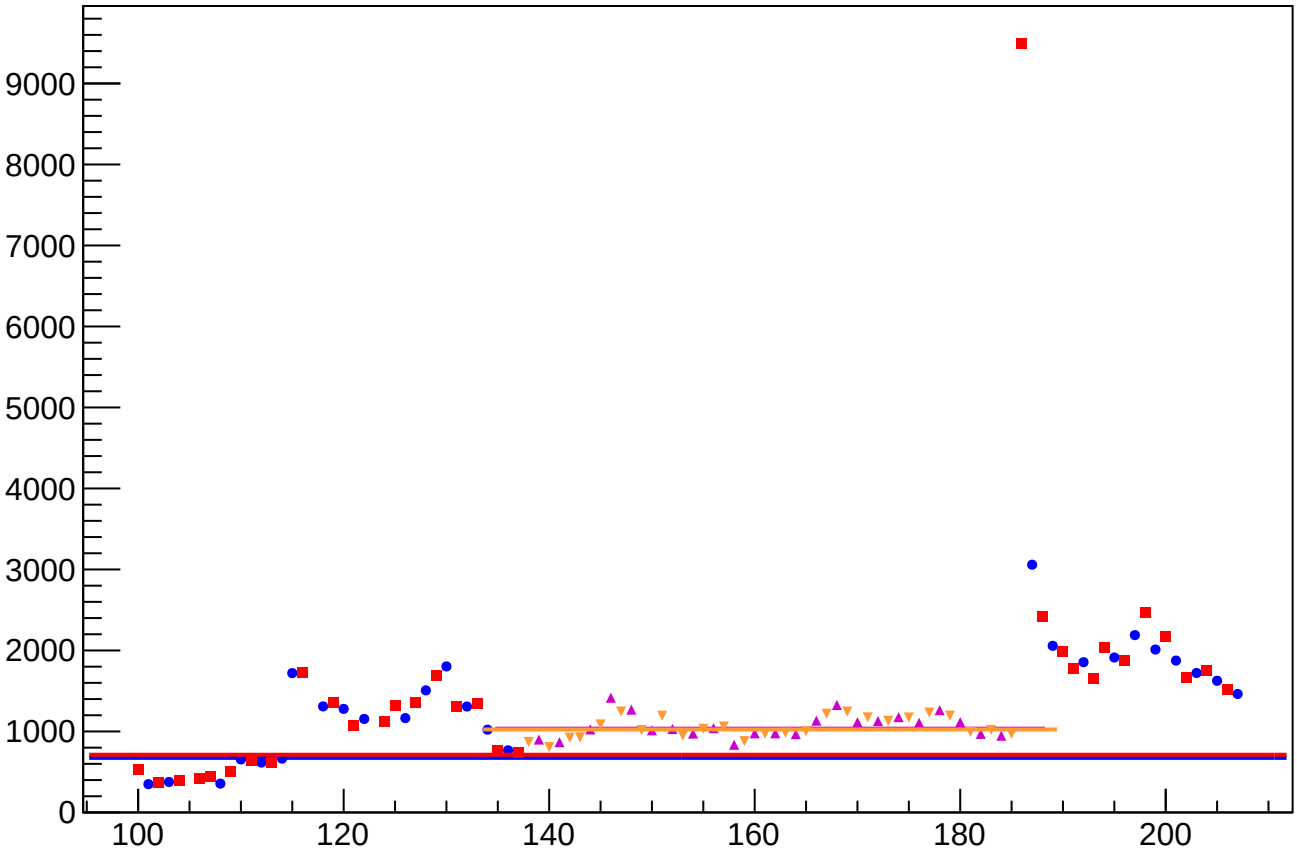
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 177.320+/-154.338 χ^2/NDF: 58.9/56

In: 218.658+/-162.487 χ^2/NDF:64.5/48

Out: 143.919+/-160.180 χ^2/NDF:62.4/55

All: 180.754+/-114.071 χ^2/NDF: 126.9/104



Right In: 674.252+/-0.154 χ^2/NDF: 10521326.2/25

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

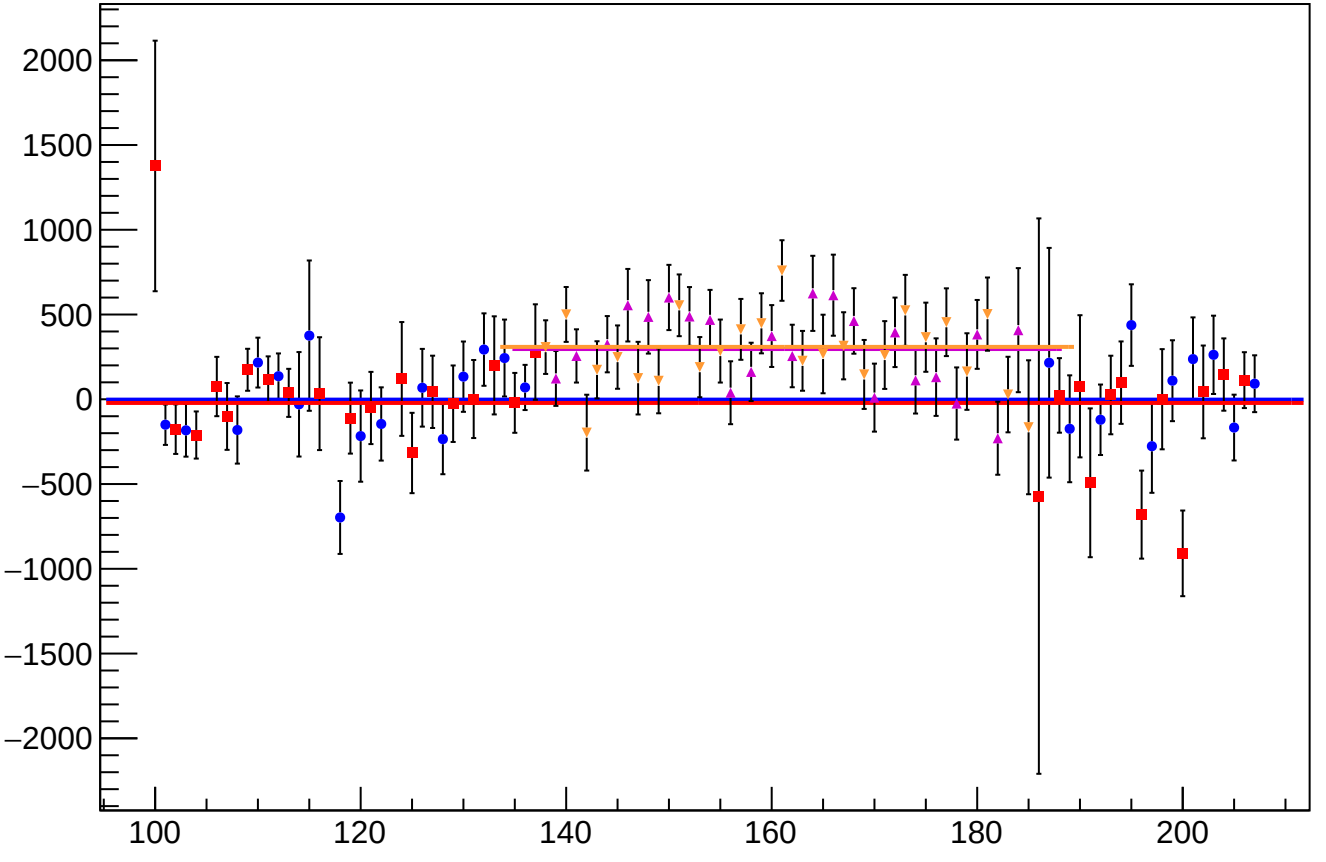
Right: 693.294+/-0.109 χ^2/NDF: 21887424.6/56

In: 833.772+/-0.115 χ^2/NDF:13574519.6/48

Out: 857.368+/-0.113 χ^2/NDF:13819735.2/55

All: 845.739+/-0.081 χ^2/NDF: 27415645.1/10

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -2.055+/-39.064 χ^2/NDF: 33.0/25

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

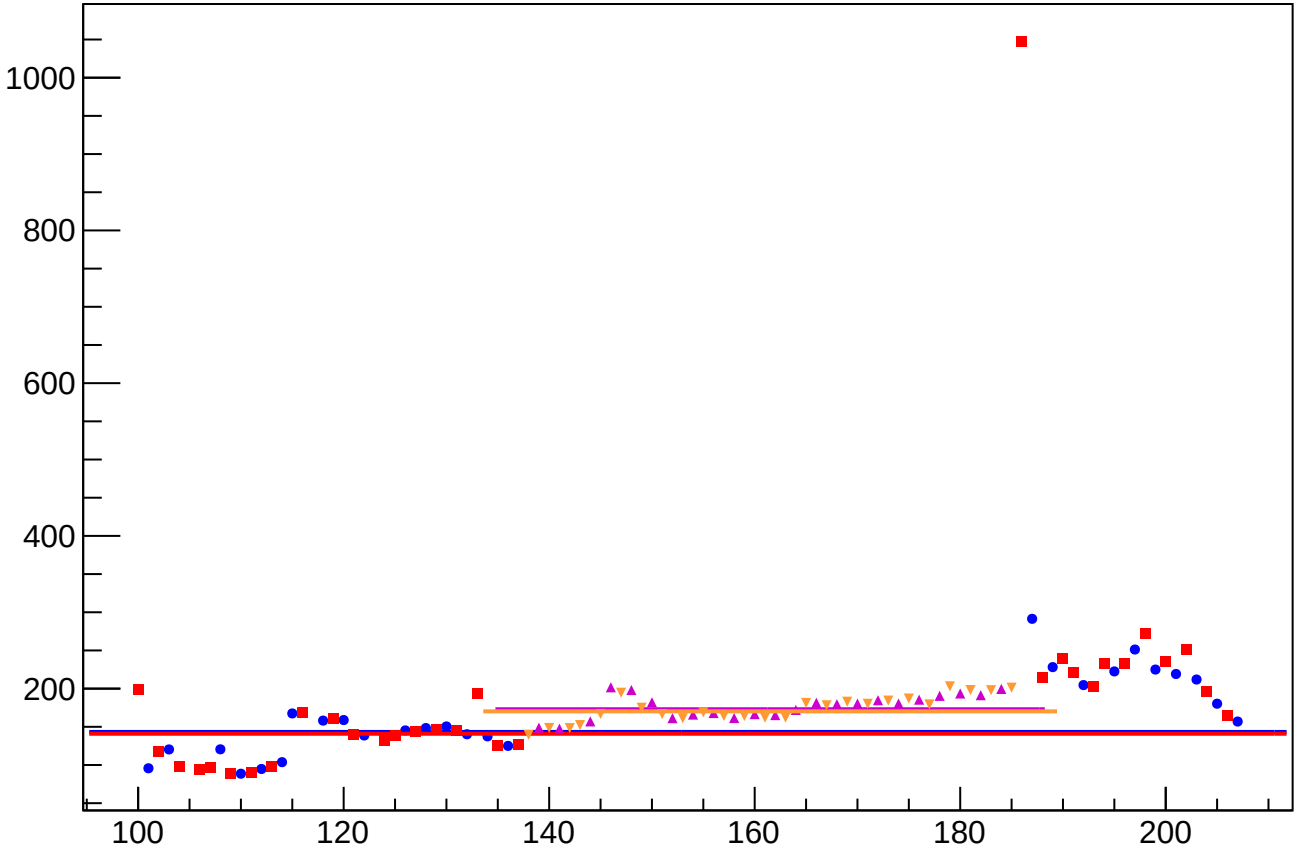
Right: -12.181+/-27.078 χ^2/NDF: 69.4/56

In: 141.443+/-28.152 χ^2/NDF:88.9/48

Out: 137.986+/-27.024 χ^2/NDF:99.3/55

All: 139.644+/-19.495 χ^2/NDF: 188.1/104

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 143.289+/-0.028 χ^2/NDF: 2651606.2/25

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

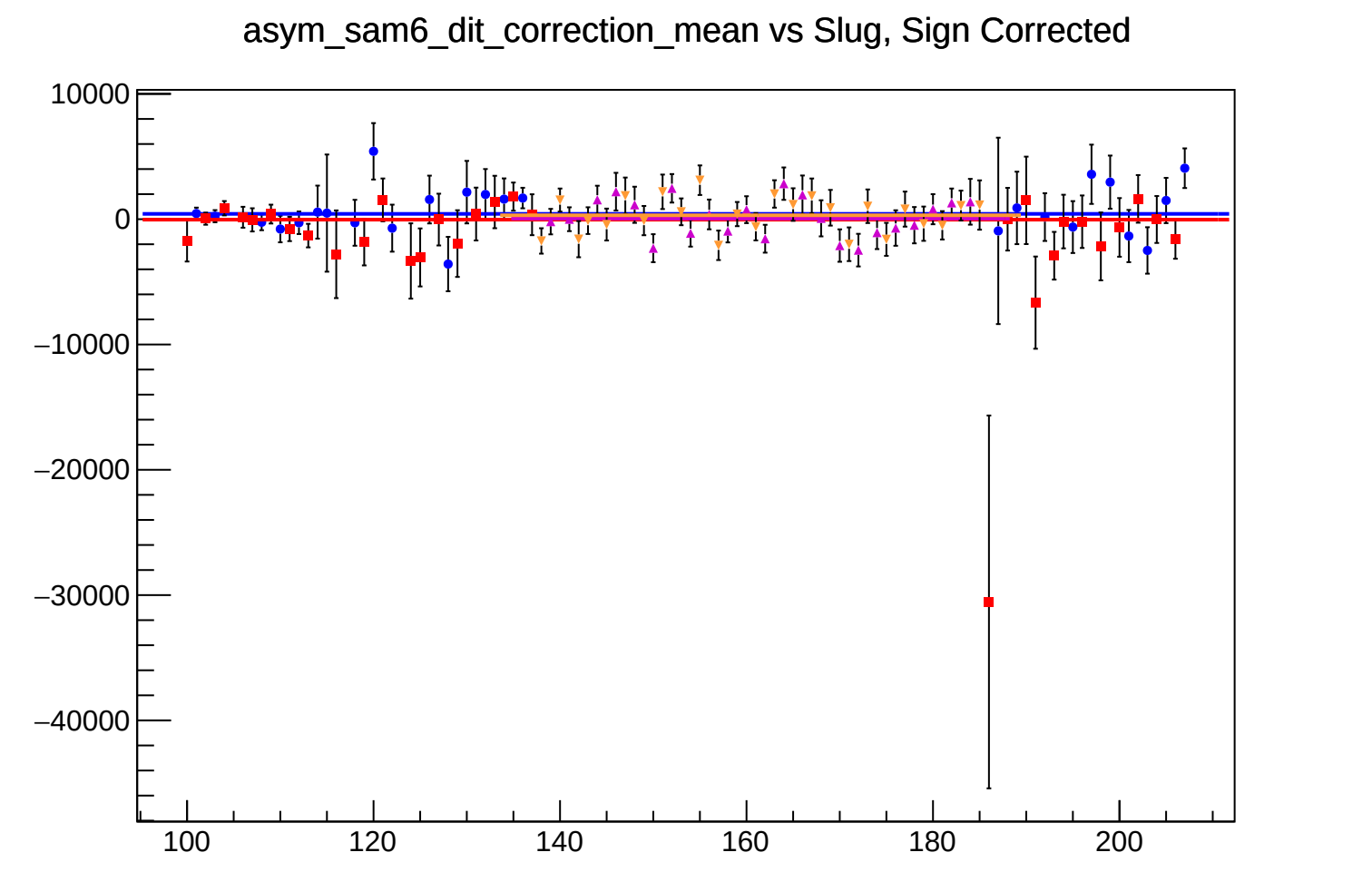
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 142.060+/-0.019 χ^2/NDF: 6985916.2/56

In: 157.581+/-0.020 χ^2/NDF:3502285.4/48

Out: 155.072+/-0.019 χ^2/NDF:5284529.9/55

All: 156.275+/-0.014 χ^2/NDF: 8795083.0/104



Right In: 424.338+/-226.942 χ^2/NDF: 28.8/25

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -37.846+/-225.676 χ^2/NDF: 27.9/30

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

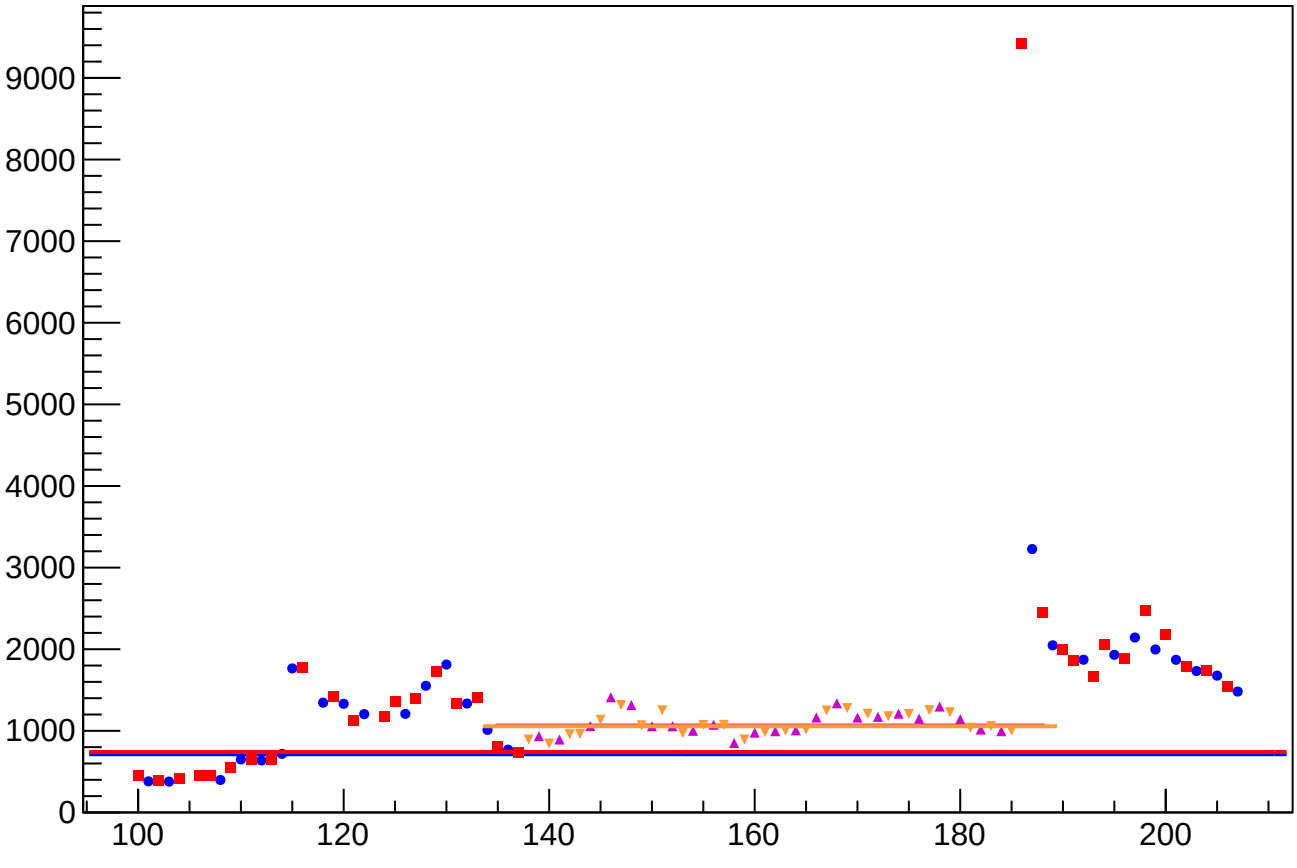
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 191.954+/-160.023 χ^2/NDF: 58.8/56

In: 254.906+/-168.412 χ^2/NDF:64.4/48

Out: 125.353+/-165.174 χ^2/NDF:61.9/55

All: 188.872+/-117.924 χ^2/NDF: 126.6/104



Right In: 713.308+/-0.160 χ^2/NDF: 9982456.4/25

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

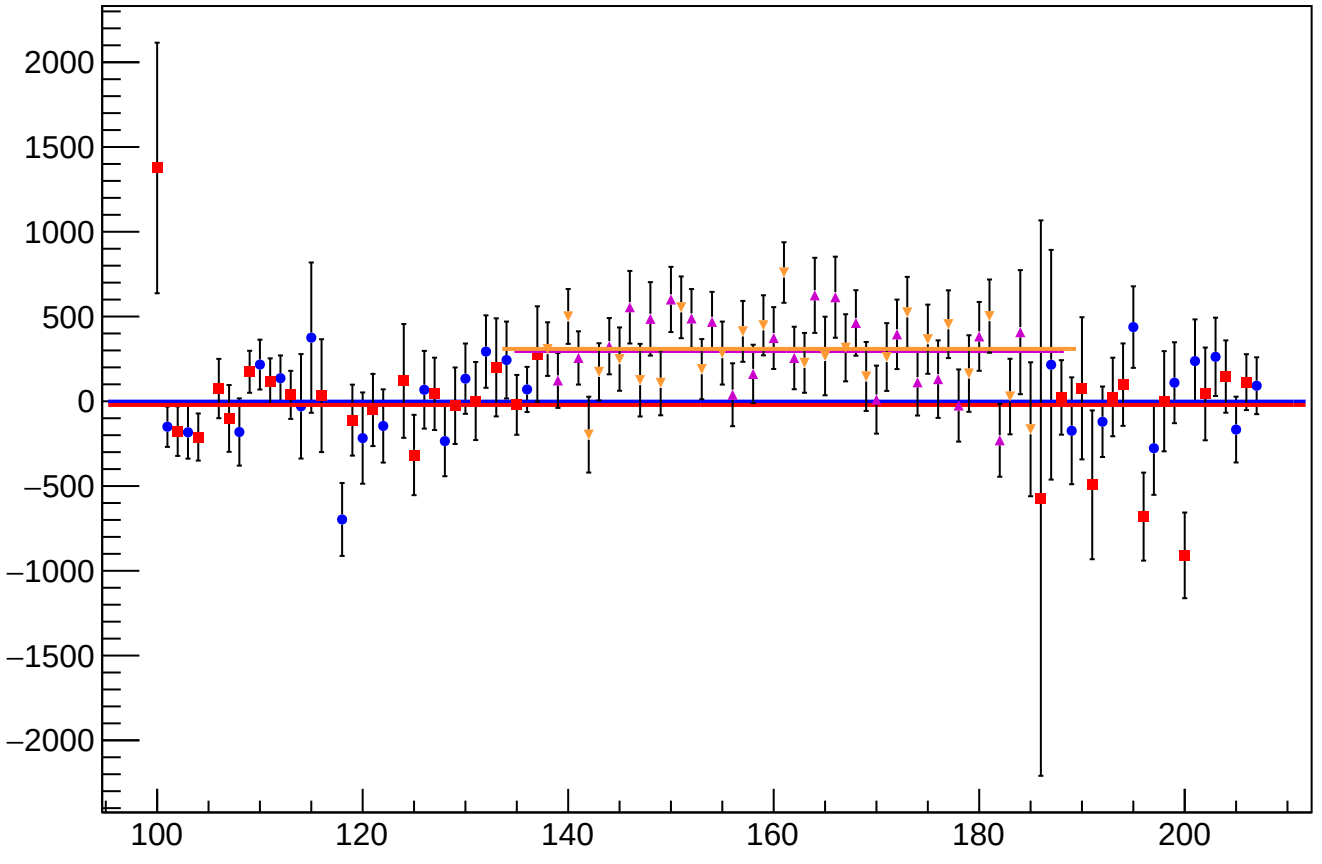
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 727.083+/-0.113 χ^2/NDF: 21134671.4/56

In: 871.182+/-0.119 χ^2/NDF:12747754.9/48

Out: 887.252+/-0.117 χ^2/NDF:13564654.1/55

All: 879.373+/-0.083 χ^2/NDF: 26321691.2/10



Right In: -2.057+/-39.064 χ^2/NDF: 33.0/25

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

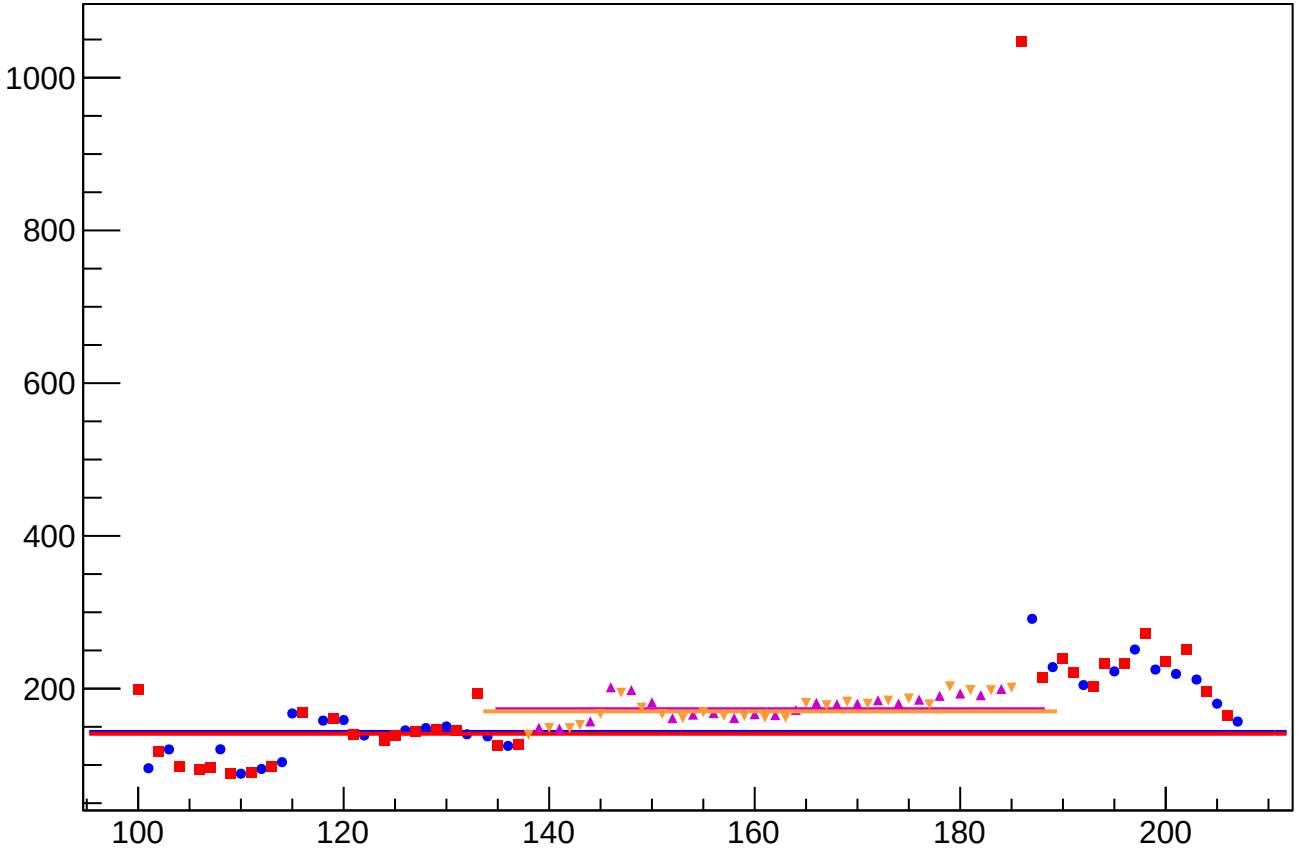
Right: -12.181+/-27.078 χ^2/NDF: 69.4/56

In: 141.442+/-28.152 χ^2/NDF:88.9/48

Out: 137.987+/-27.024 χ^2/NDF:99.3/55

All: 139.644+/-19.495 χ^2/NDF: 188.1/104

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 143.288+/-0.028 χ^2/NDF: 2651624.7/25

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

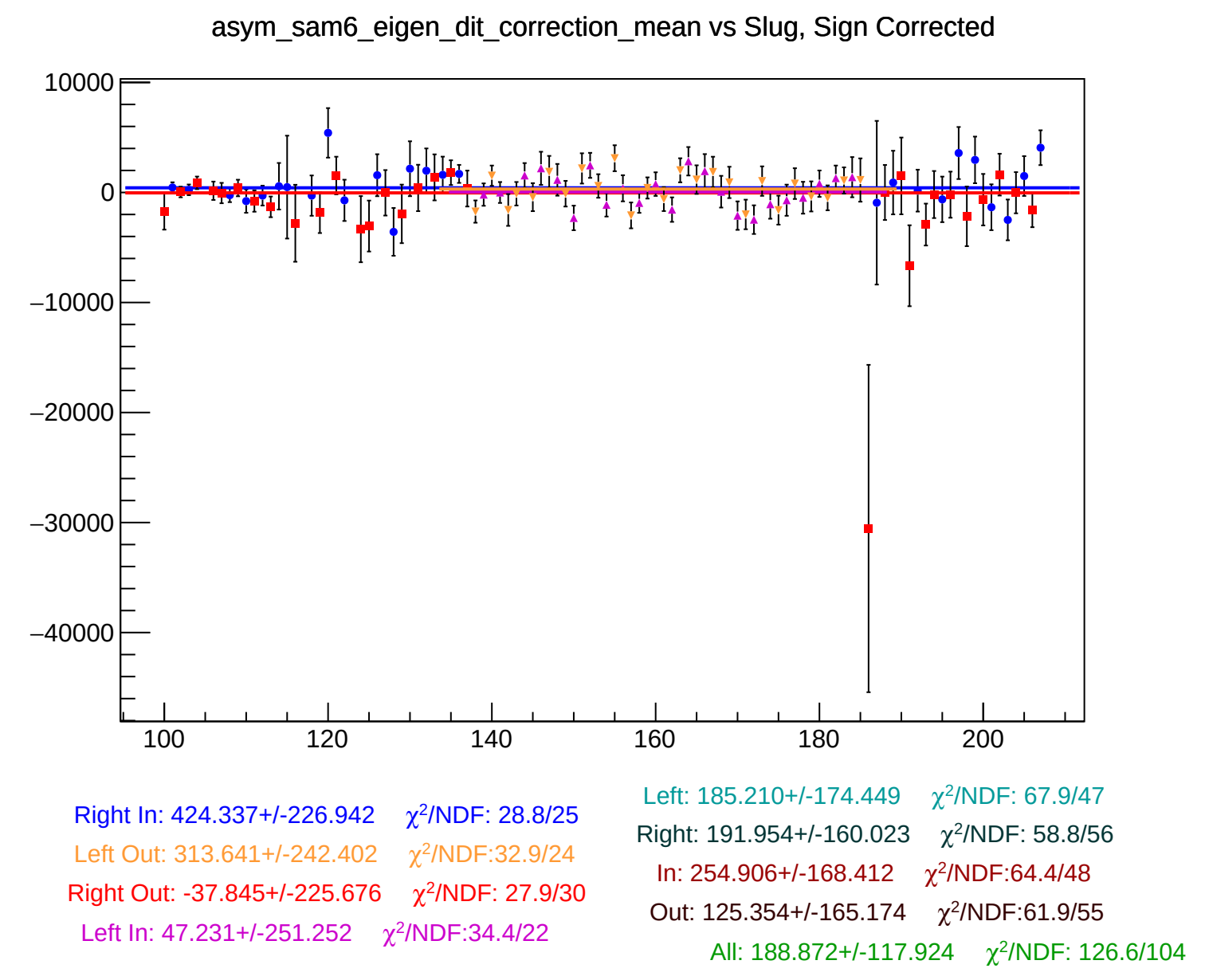
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

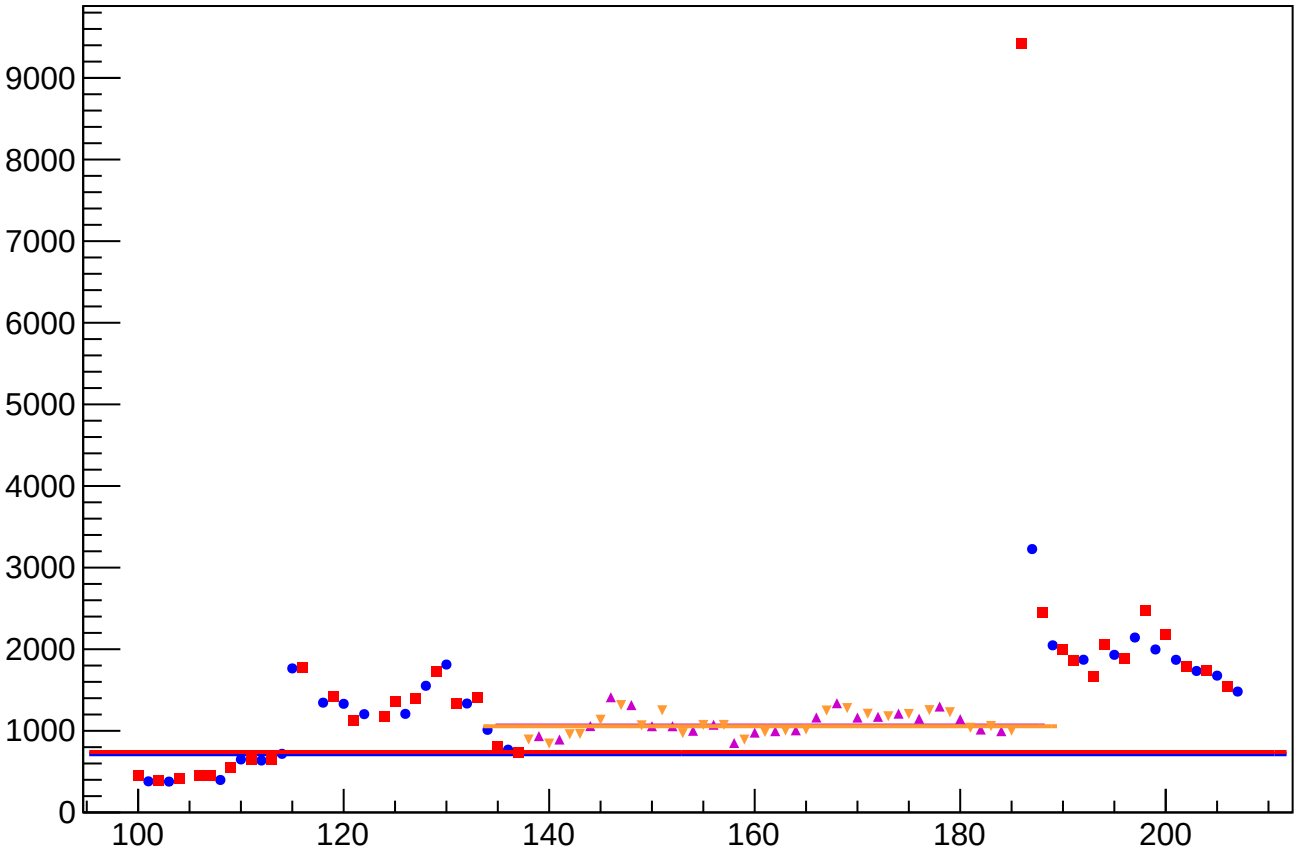
Right: 142.060+/-0.019 χ^2/NDF: 6985940.7/56

In: 157.580+/-0.020 χ^2/NDF:3502308.5/48

Out: 155.071+/-0.019 χ^2/NDF:5284539.2/55

All: 156.275+/-0.014 χ^2/NDF: 8795115.3/104


asym_sam6_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 424.337+/-226.942 χ²/NDF: 28.8/25
Left Out: 313.641+/-242.402 χ²/NDF:32.9/24
Right Out: -37.845+/-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: 191.954+/-160.023 χ²/NDF: 58.8/56
In: 254.906+/-168.412 χ²/NDF:64.4/48
Out: 125.354+/-165.174 χ²/NDF:61.9/55
All: 188.872+/-117.924 χ²/NDF: 126.6/104



Right In: 713.307+/-0.160 χ^2/NDF: 9982467.9/25

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

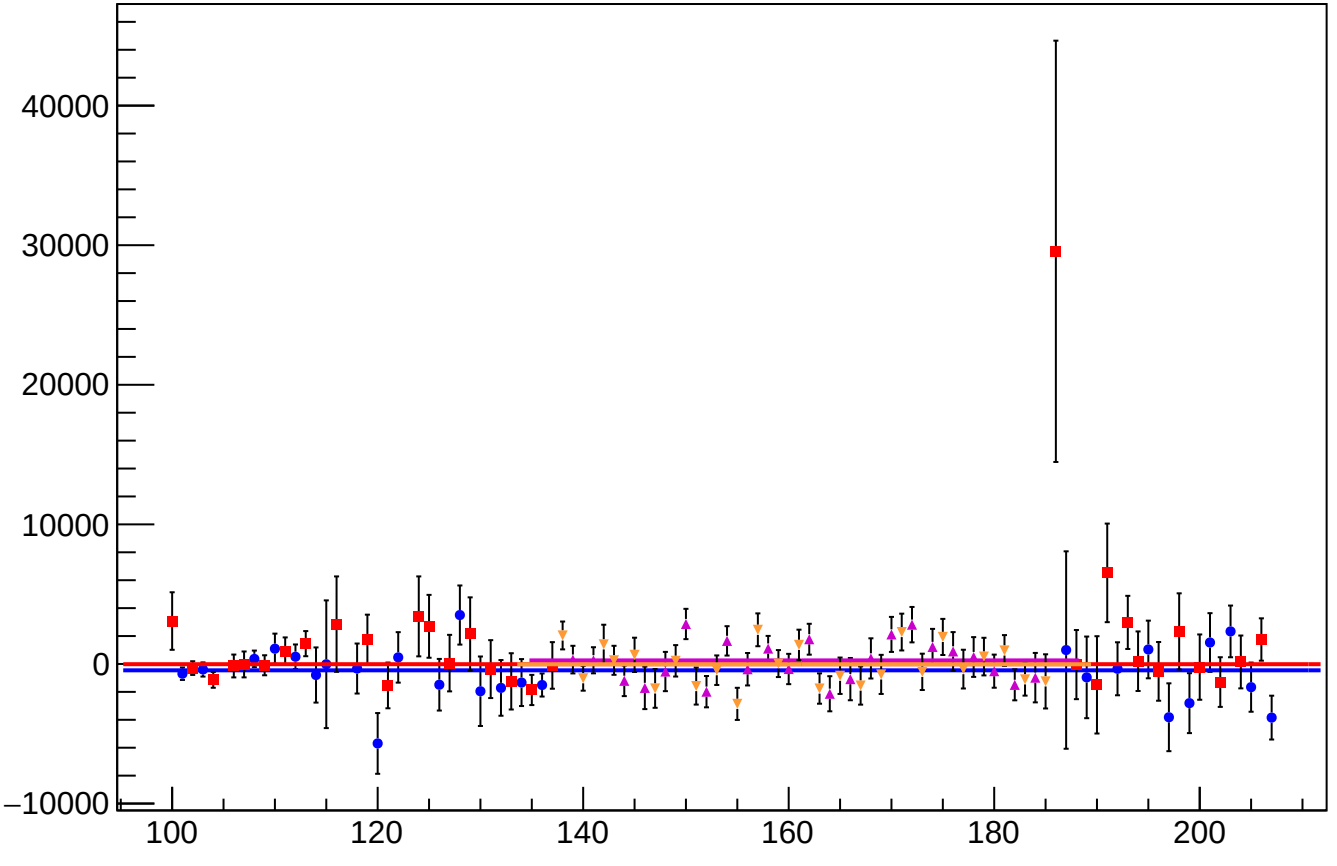
Right: 727.082+/-0.113 χ^2/NDF: 21134687.3/56

In: 871.181+/-0.119 χ^2/NDF:12747783.1/48

Out: 887.252+/-0.117 χ^2/NDF:13564673.9/55

All: 879.373+/-0.083 χ^2/NDF: 26321739.5/10

asym_sam6_mean vs Slug, Sign Corrected



Right In: -455.740+/-223.579 χ^2/NDF: 30.0/25

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

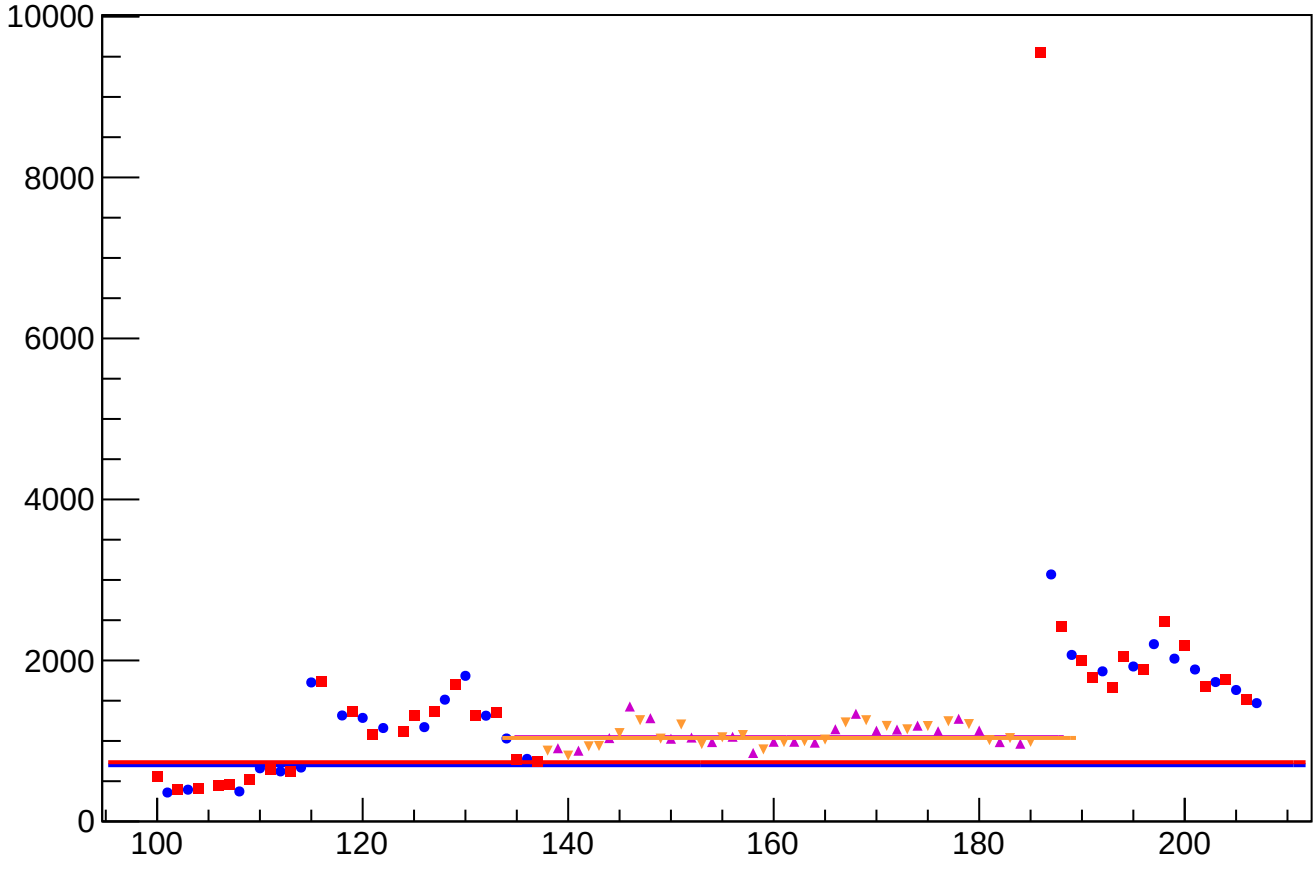
Right: -236.134+/-158.071 χ^2/NDF: 64.2/56

In: -135.764+/-165.819 χ^2/NDF:68.1/48

Out: -19.098+/-162.919 χ^2/NDF:66.7/55

All: -76.402+/-116.213 χ^2/NDF: 135.1/104

asym_sam6_rms vs Slug, Sign Corrected



Right In: 698.787+/-0.158 χ^2/NDF: 10165735.8/25

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

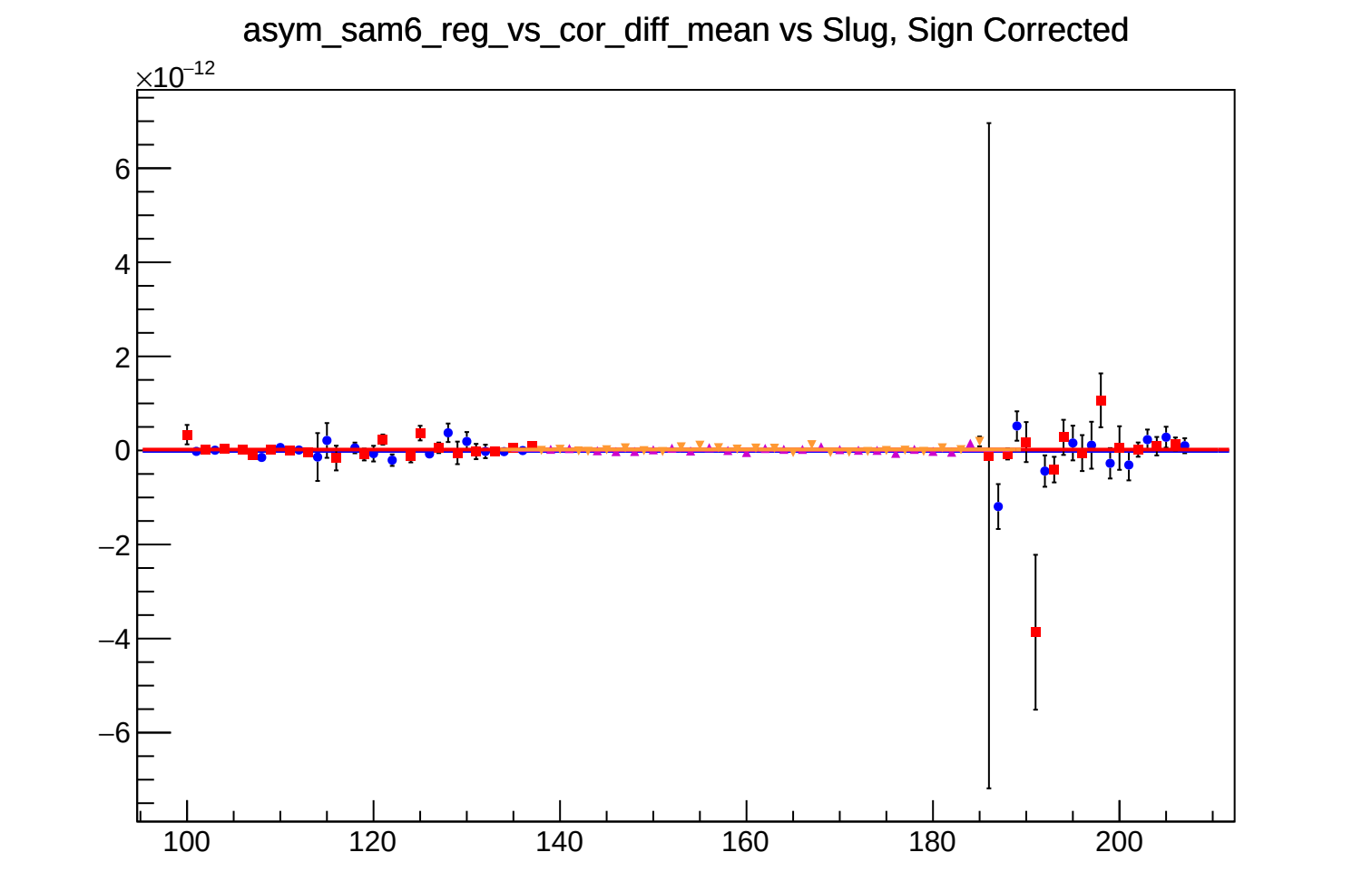
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 717.371+/-0.112 χ^2/NDF: 21170320.3/56

In: 855.747+/-0.117 χ^2/NDF:12969811.4/48

Out: 877.200+/-0.115 χ^2/NDF:13266789.9/55

All: 866.663+/-0.082 χ^2/NDF: 26253634.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.8/25

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

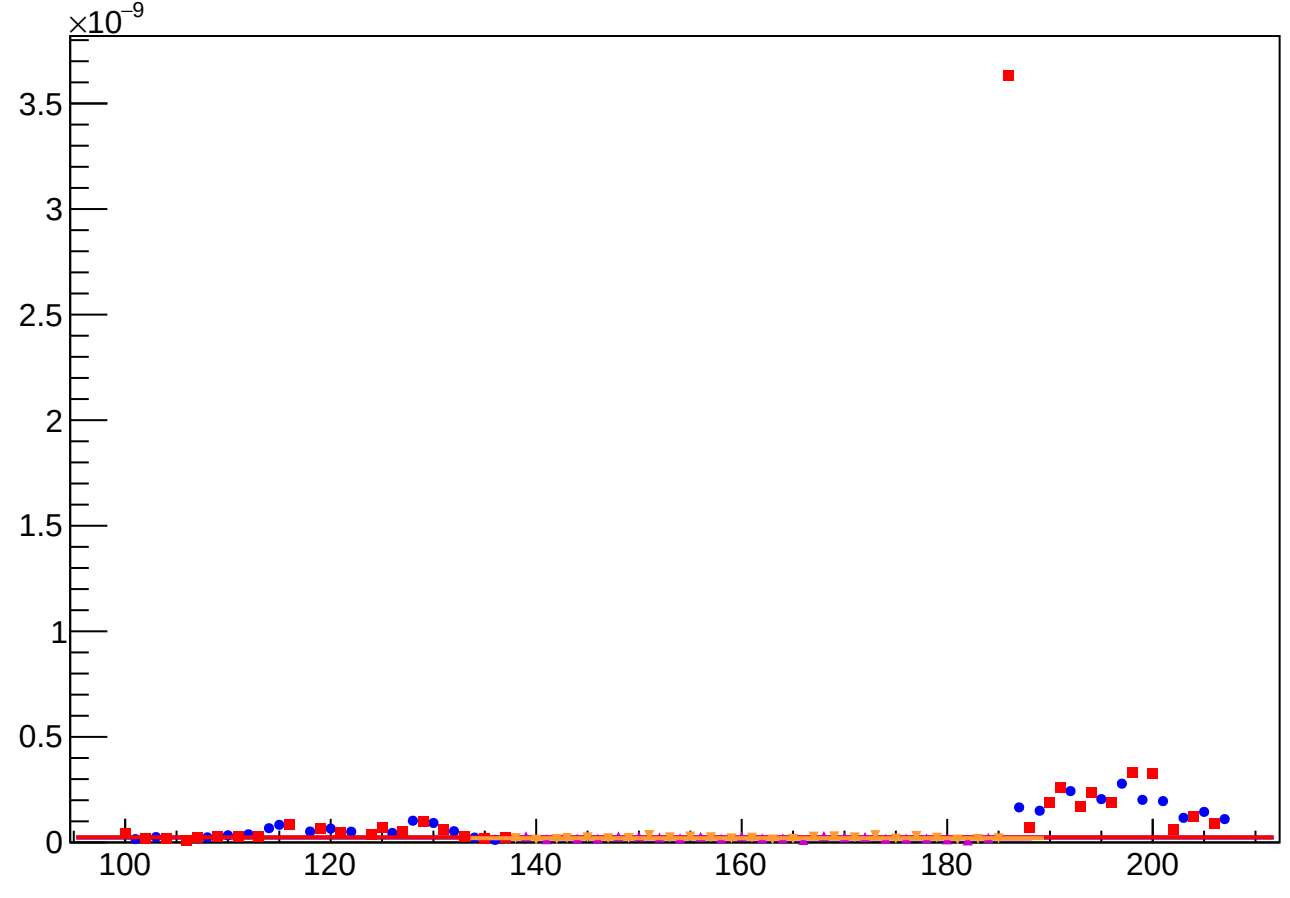
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 68.0/56

In: 0.000+/-0.000 χ^2/NDF:51.9/48

Out: 0.000+/-0.000 χ^2/NDF:63.4/55

All: 0.000+/-0.000 χ^2/NDF: 119.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 7246116.7/25

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

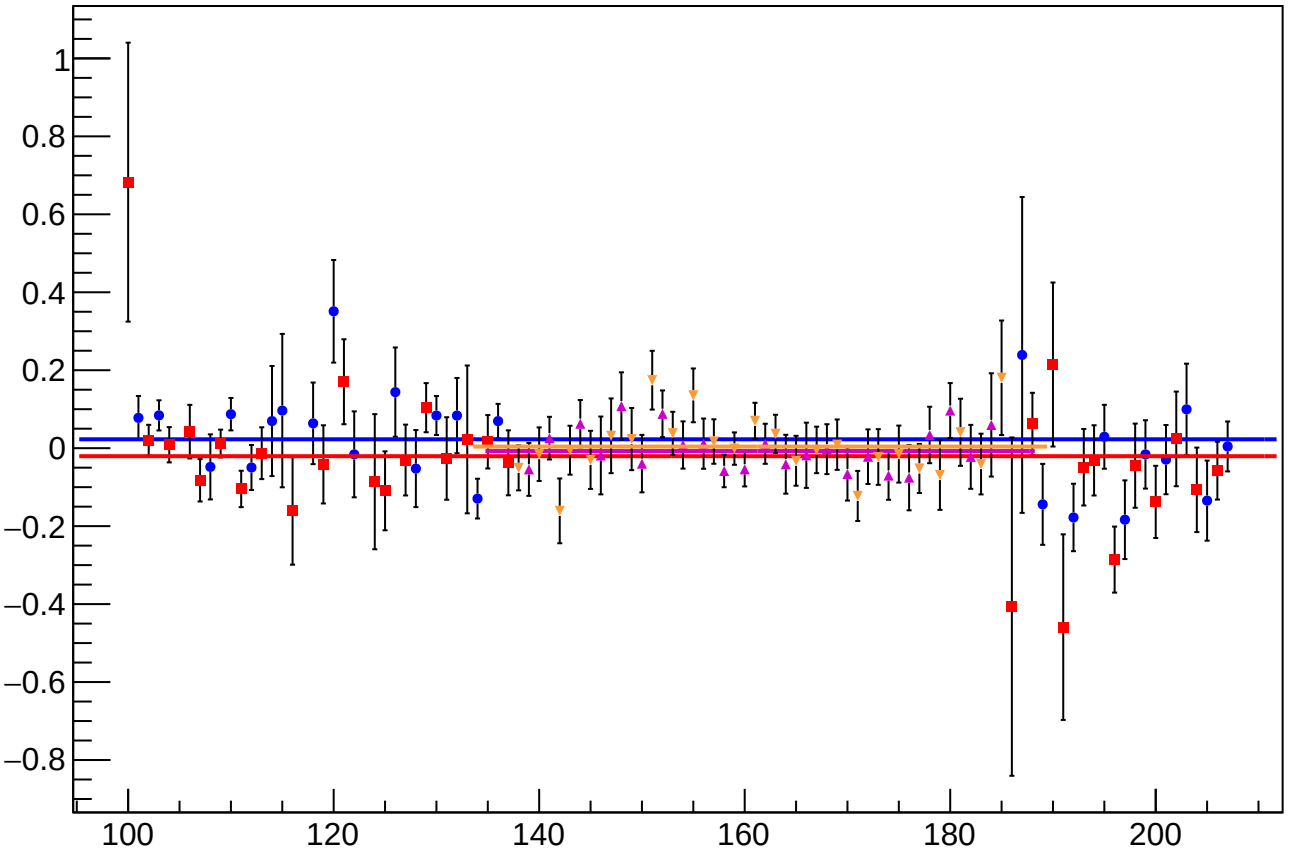
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 14499819.7/56

In: 0.000+/-0.000 χ^2/NDF:8436568.6/48

Out: 0.000+/-0.000 χ^2/NDF:8387006.5/55

All: 0.000+/-0.000 χ^2/NDF: 16842965.1/104



Right In: 0.023+/-0.014 χ^2/NDF: 44.3/25

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

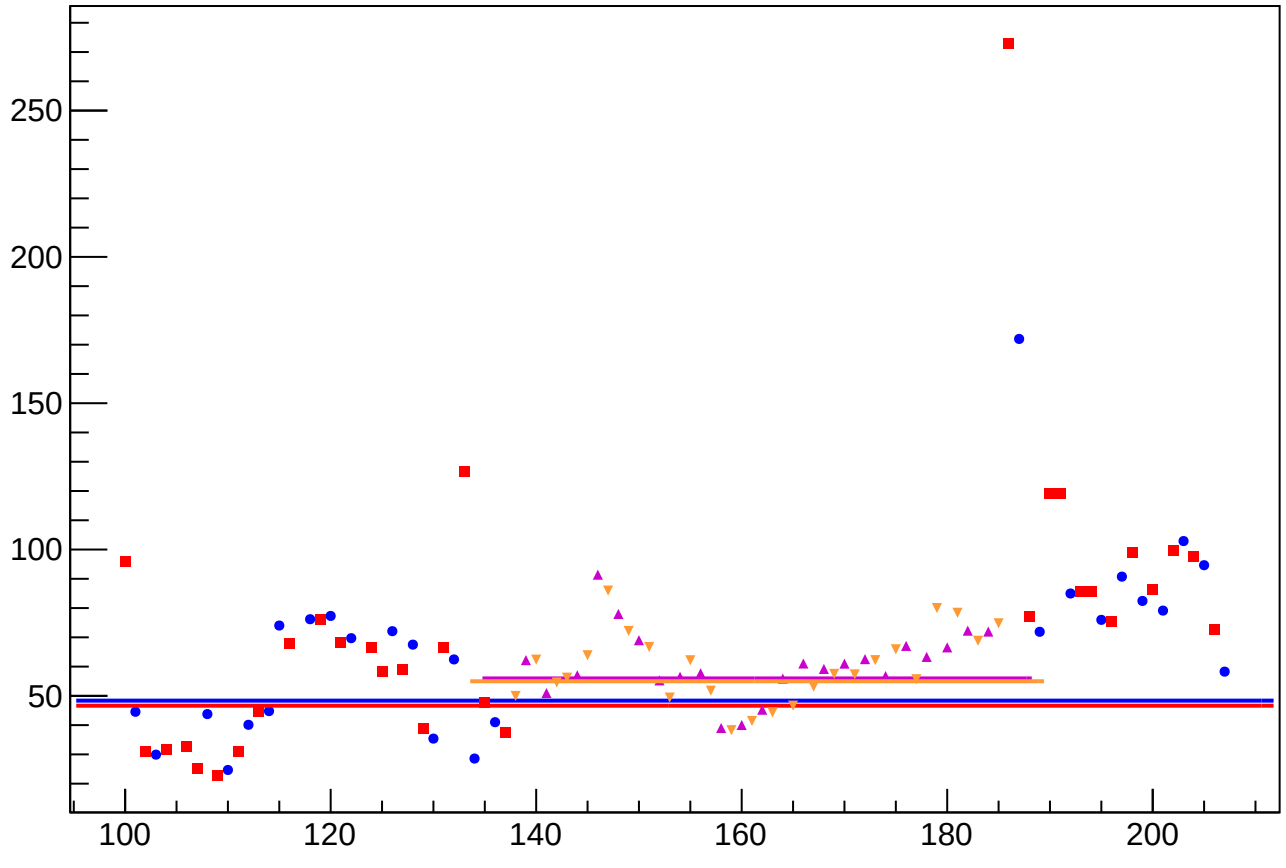
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.000+/-0.010 χ^2/NDF: 89.3/56

In: 0.007+/-0.010 χ^2/NDF:61.8/48

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.001+/-0.007 χ^2/NDF: 129.6/104



Right In: 48.369+/-0.010 χ^2/NDF: 4857215.0/25

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

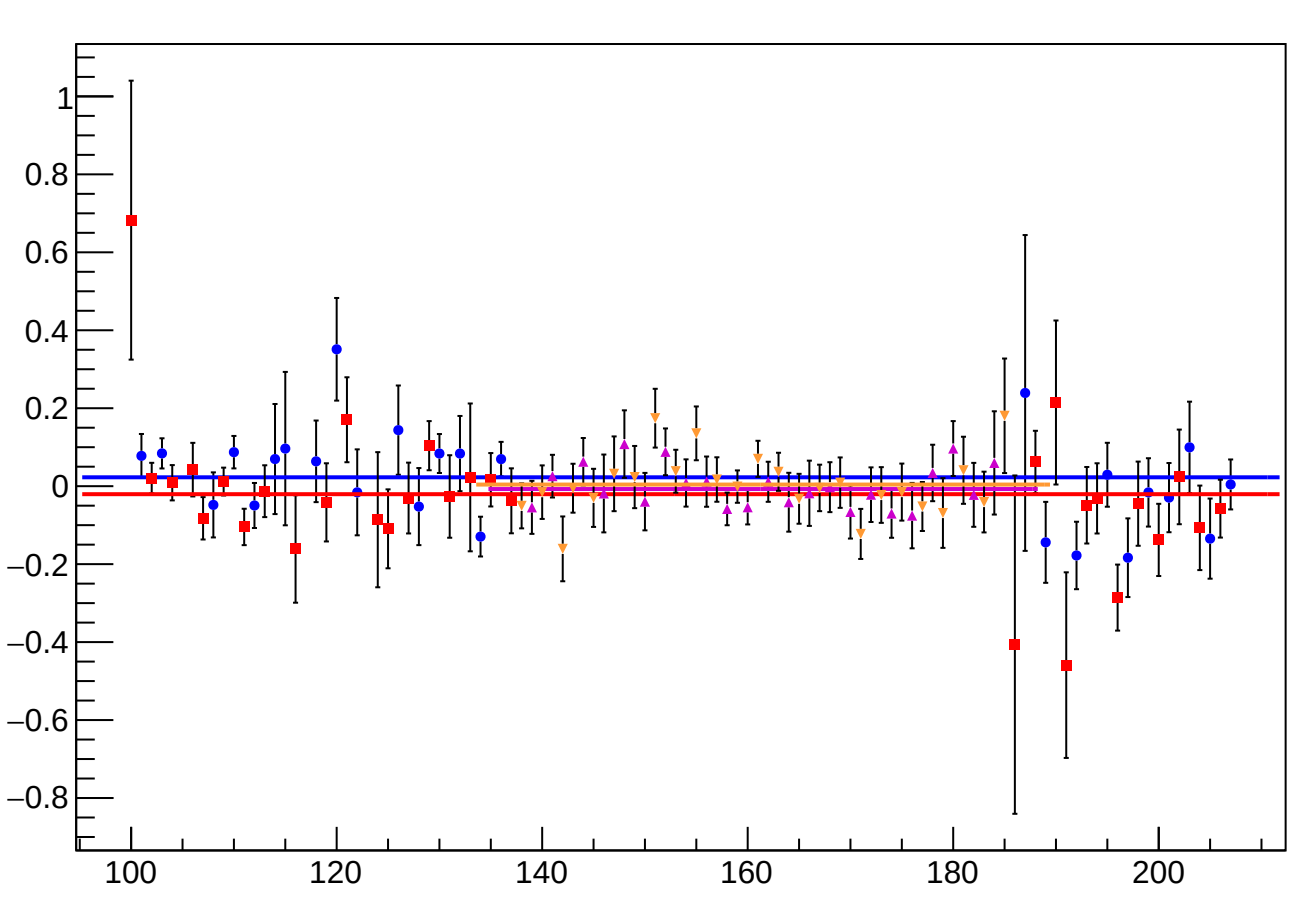
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 47.469+/-0.007 χ^2/NDF: 11922040.1/56

In: 52.317+/-0.007 χ^2/NDF:6565536.3/48

Out: 50.987+/-0.007 χ^2/NDF:9013672.3/55

All: 51.624+/-0.005 χ^2/NDF: 15598596.2/104



Right In: 0.023+/-0.014 χ^2/NDF: 44.3/25

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

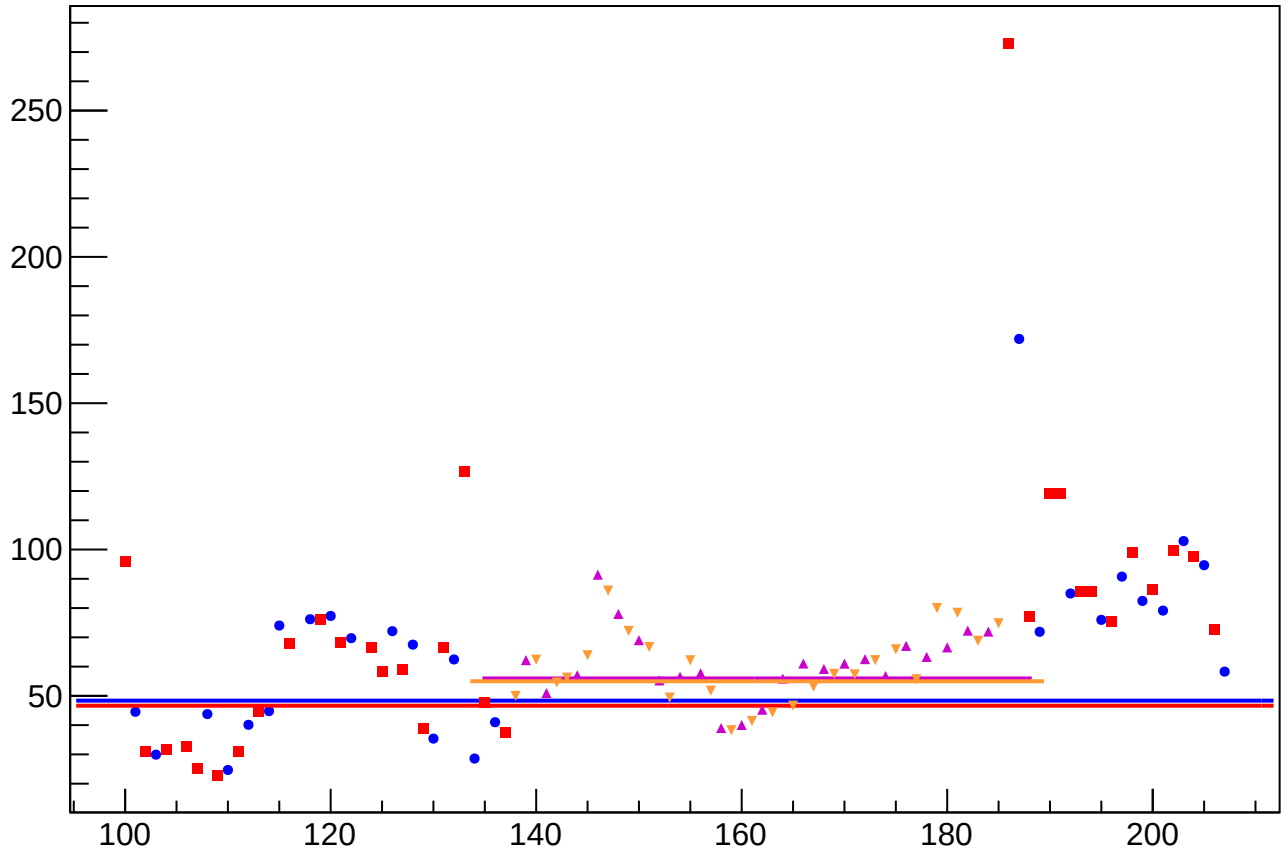
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.000+/-0.010 χ^2/NDF: 89.3/56

In: 0.007+/-0.010 χ^2/NDF:61.8/48

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.001+/-0.007 χ^2/NDF: 129.6/104



Right In: 48.369+/-0.010 χ^2/NDF: 4857215.0/25

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

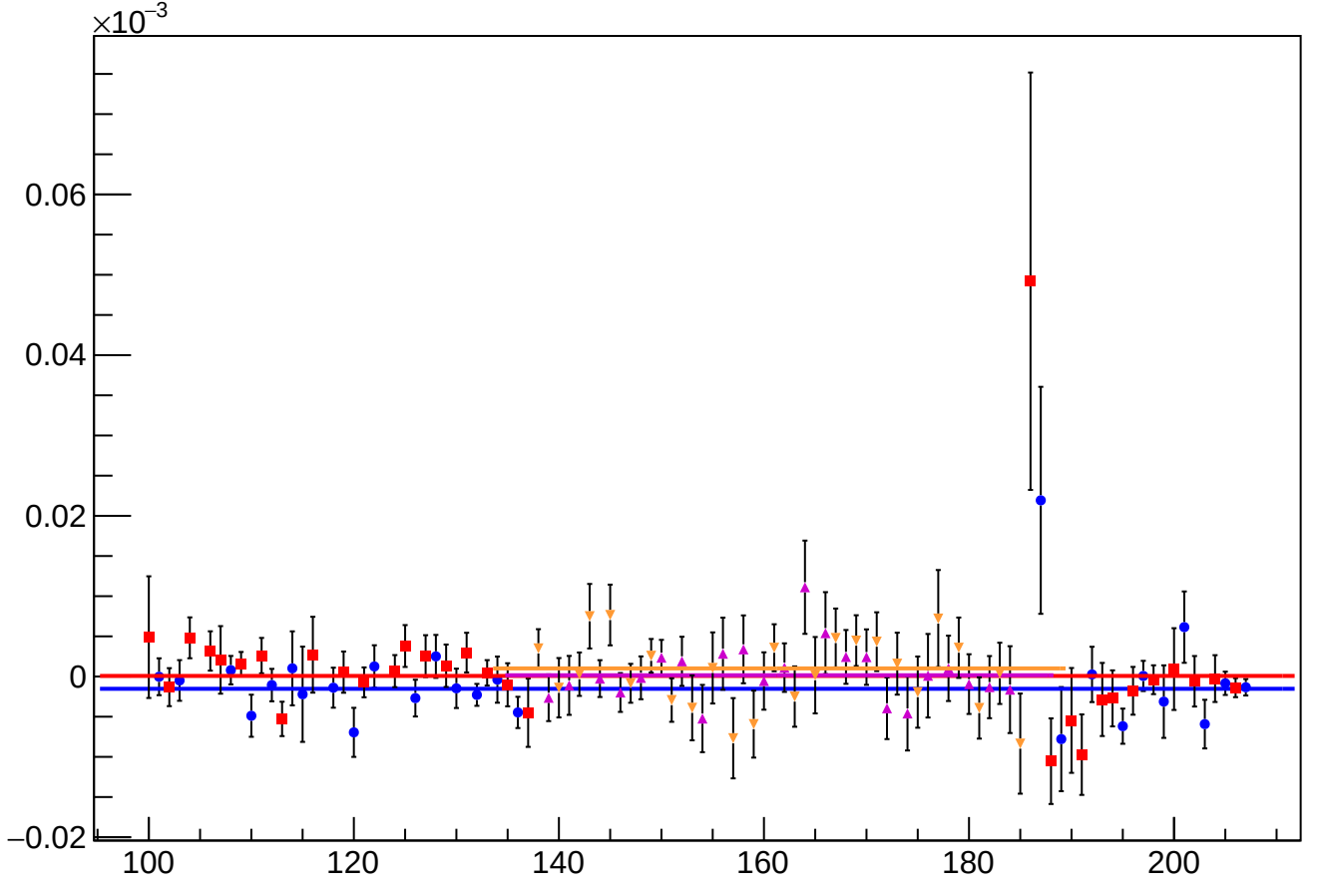
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 47.469+/-0.007 χ^2/NDF: 11922040.1/56

In: 52.317+/-0.007 χ^2/NDF:6565536.3/48

Out: 50.987+/-0.007 χ^2/NDF:9013672.3/55

All: 51.624+/-0.005 χ^2/NDF: 15598596.2/104



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/25

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

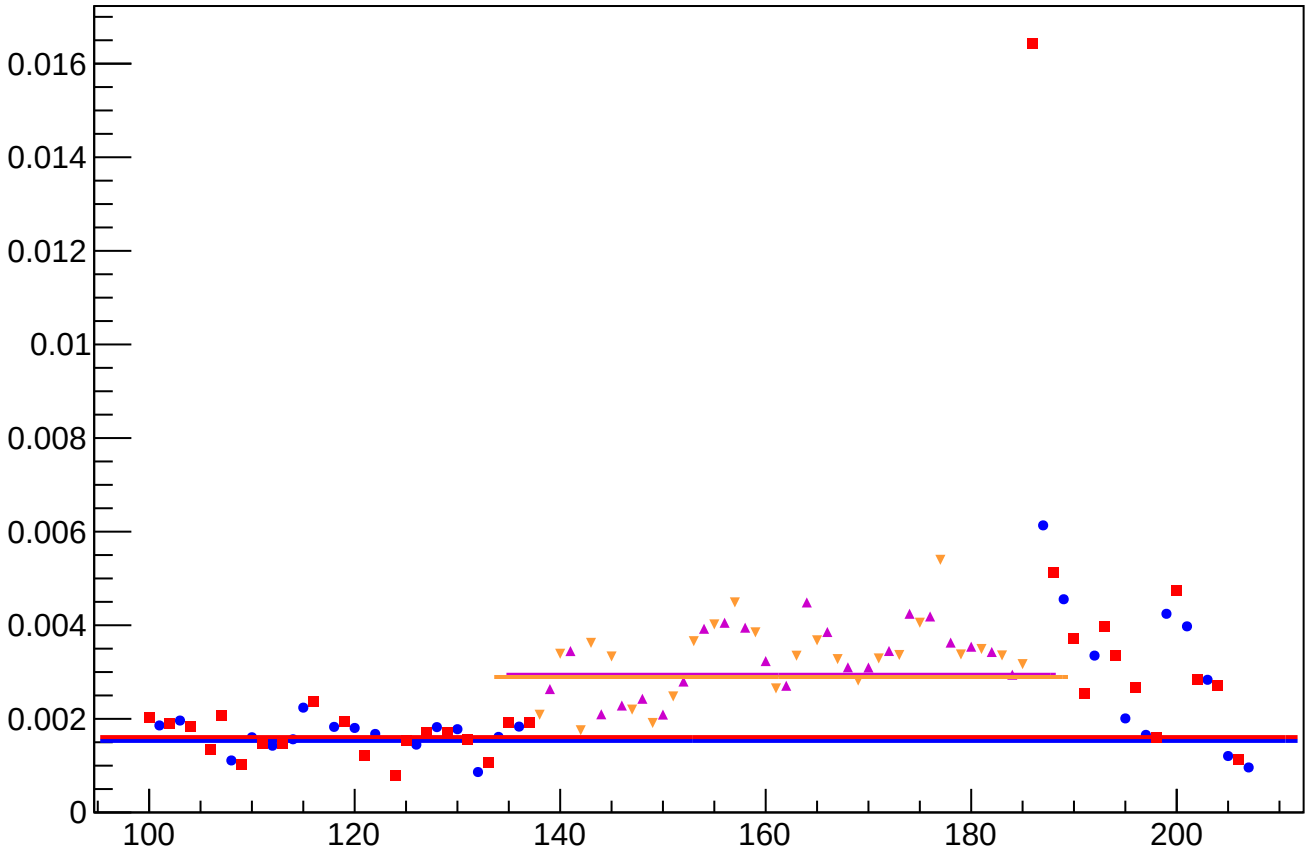
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 71.5/56

In: -0.000+/-0.000 χ^2/NDF:46.7/48

Out: 0.000+/-0.000 χ^2/NDF:66.3/55

All: -0.000+/-0.000 χ^2/NDF: 120.1/104



Right In: 0.002+/-0.000 χ^2/NDF: 4602972.2/25

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

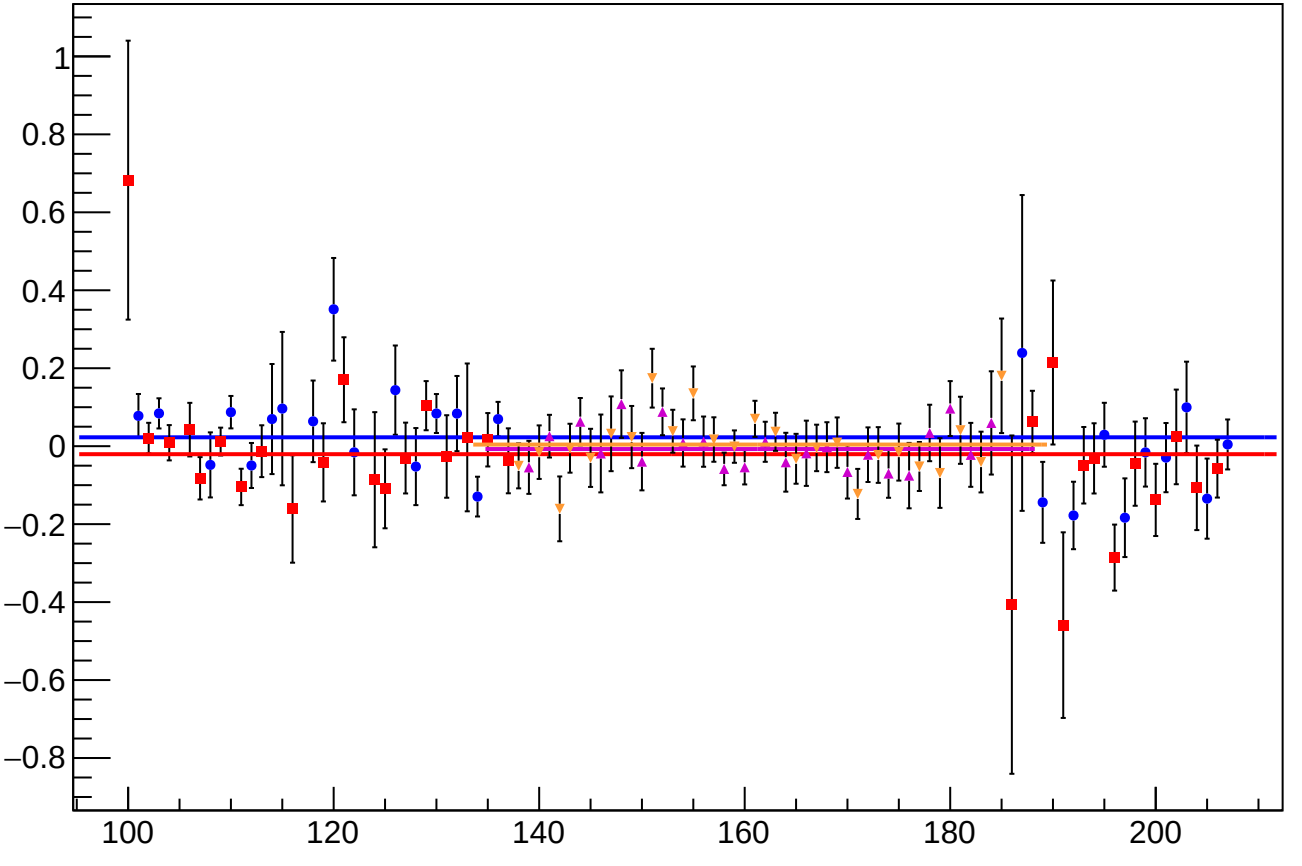
Right: 0.002+/-0.000 χ^2/NDF: 10639314.6/56

In: 0.002+/-0.000 χ^2/NDF:12231640.5/48

Out: 0.002+/-0.000 χ^2/NDF:13566761.1/55

All: 0.002+/-0.000 χ^2/NDF: 25837050.0/104

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.014 χ^2/NDF: 44.3/25

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

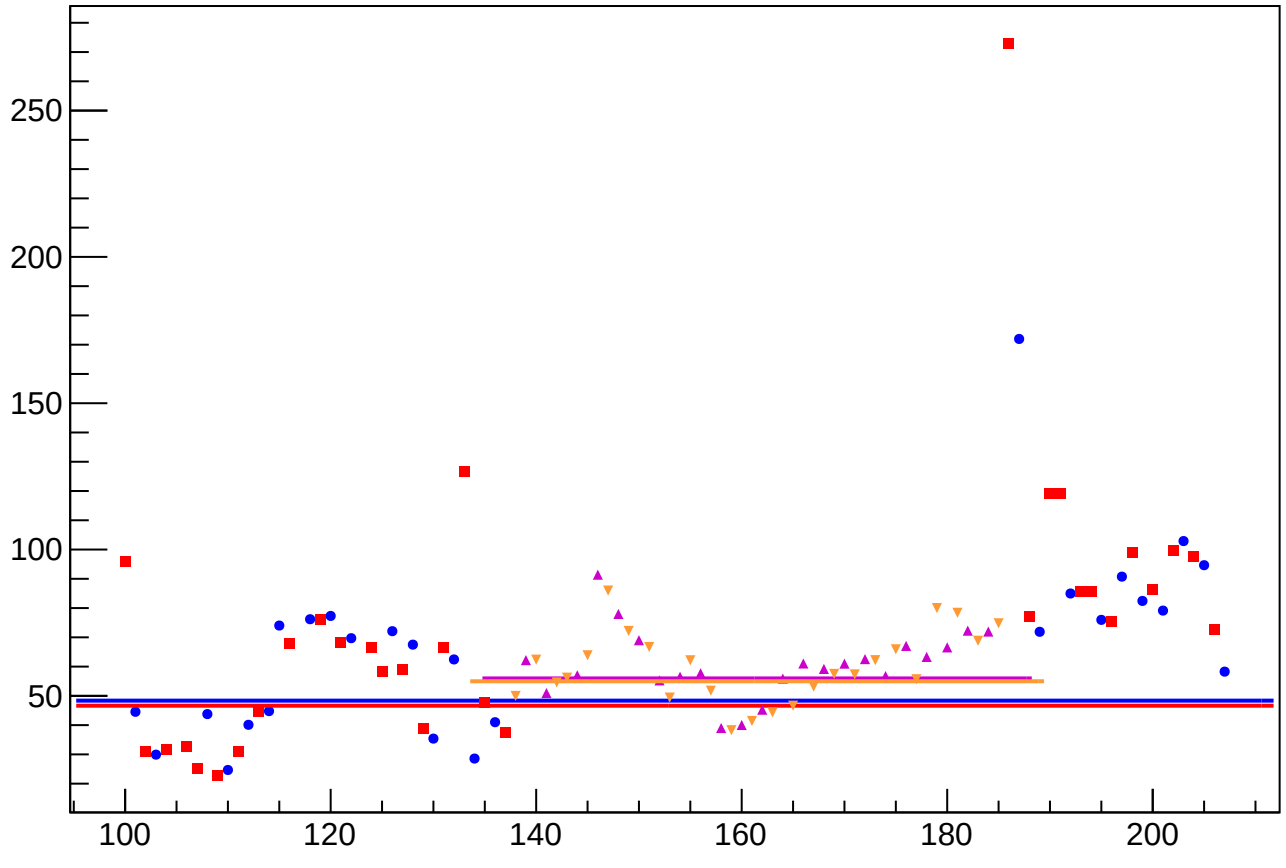
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.000+/-0.010 χ^2/NDF: 89.3/56

In: 0.007+/-0.010 χ^2/NDF:61.8/48

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.001+/-0.007 χ^2/NDF: 129.6/104



Right In: 48.368+/-0.010 χ^2/NDF: 4857335.7/25

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

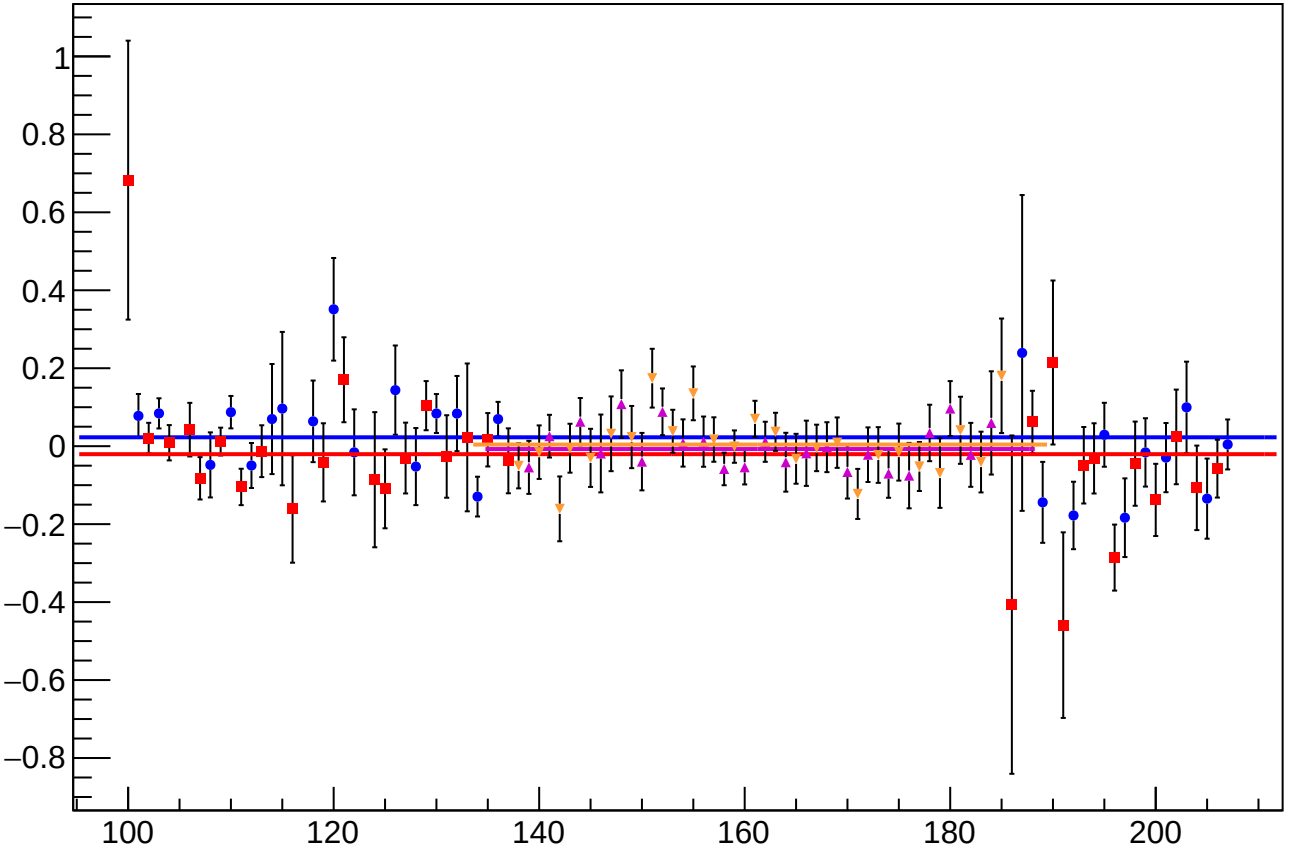
Right: 47.469+/-0.007 χ^2/NDF: 11922167.1/56

In: 52.316+/-0.007 χ^2/NDF:6565786.3/48

Out: 50.986+/-0.007 χ^2/NDF:9013749.9/55

All: 51.623+/-0.005 χ^2/NDF: 15598918.1/104

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.014 χ^2/NDF: 44.3/25

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

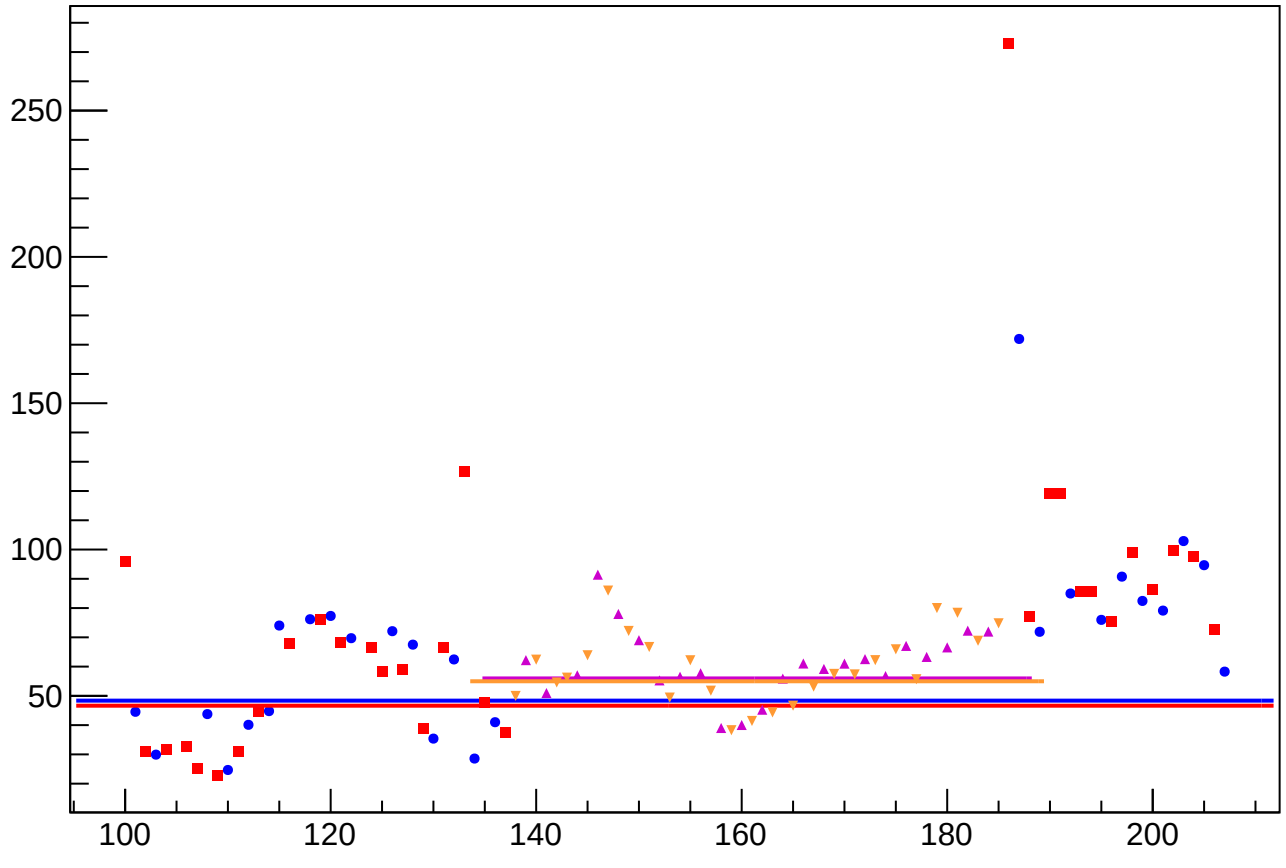
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.000+/-0.010 χ^2/NDF: 89.3/56

In: 0.007+/-0.010 χ^2/NDF:61.8/48

Out: -0.008+/-0.009 χ^2/NDF:66.6/55

All: -0.001+/-0.007 χ^2/NDF: 129.6/104



Right In: 48.368+/-0.010 χ^2/NDF: 4857335.7/25

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

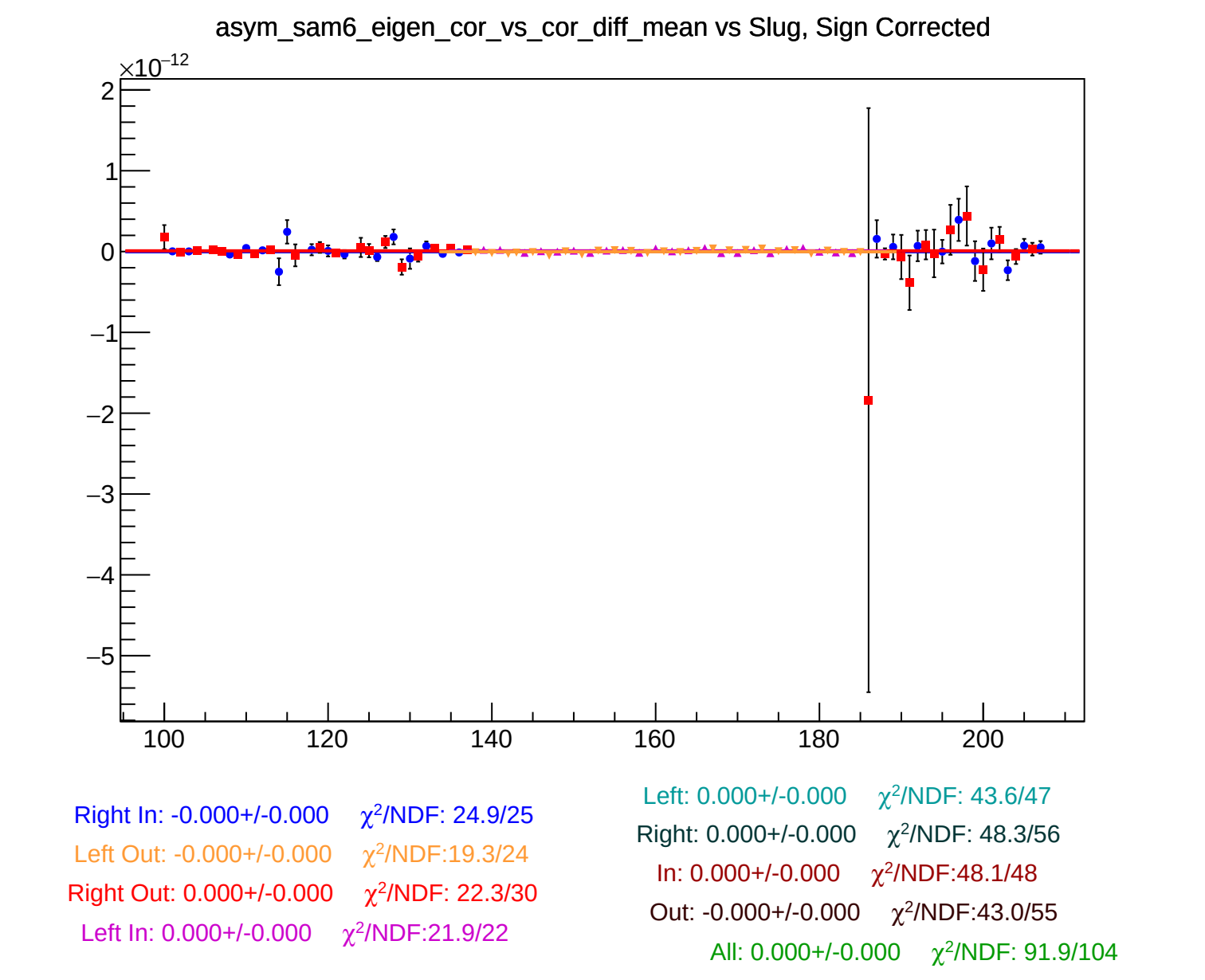
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

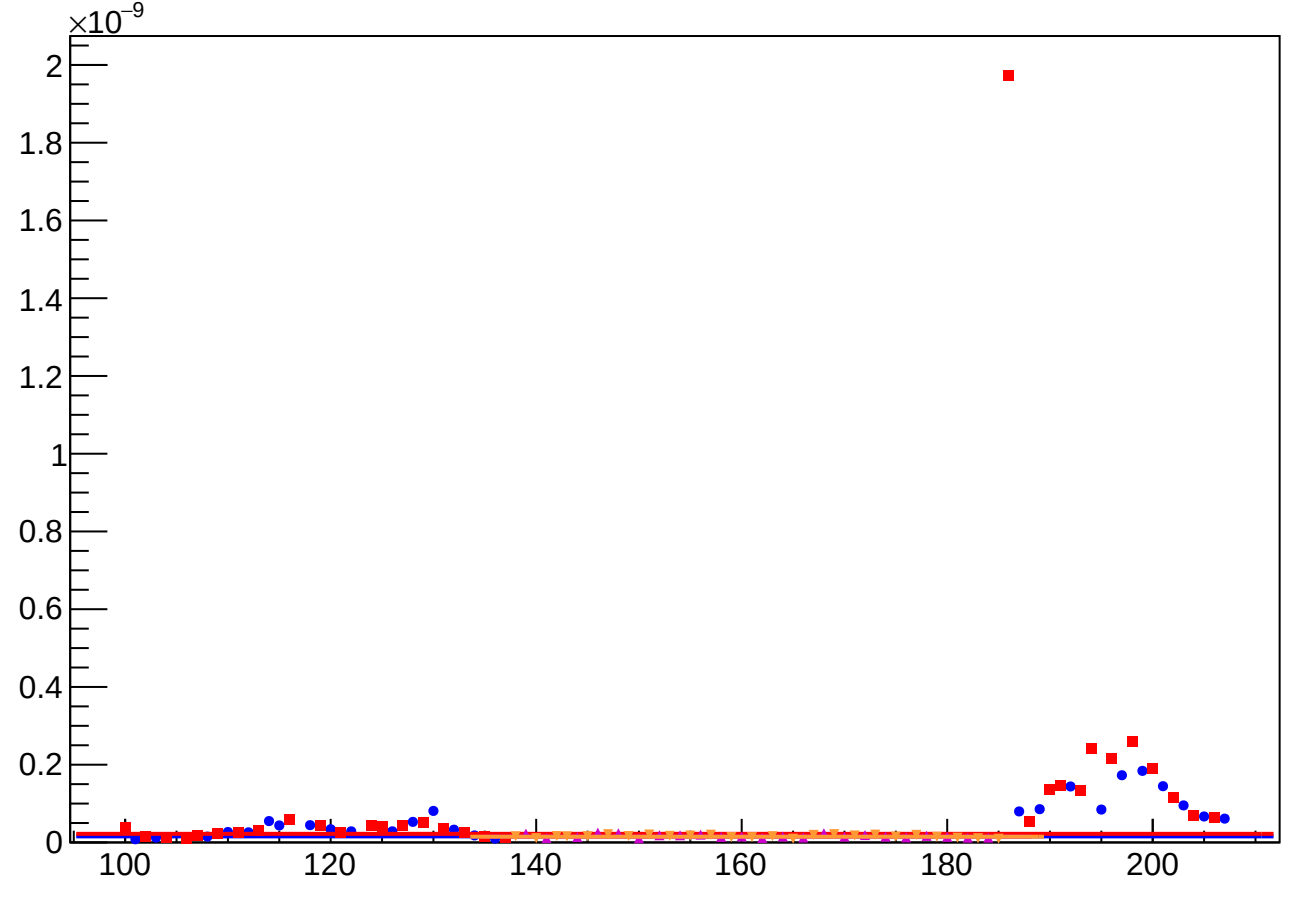
Right: 47.469+/-0.007 χ^2/NDF: 11922167.1/56

In: 52.316+/-0.007 χ^2/NDF:6565786.3/48

Out: 50.986+/-0.007 χ^2/NDF:9013749.9/55

All: 51.623+/-0.005 χ^2/NDF: 15598918.1/104


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: 24.9/25
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: 48.3/56
In: 0.000+/-0.000 χ²/NDF:48.1/48
Out: -0.000+/-0.000 χ²/NDF:43.0/55
All: 0.000+/-0.000 χ²/NDF: 91.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 10104821.5/25

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

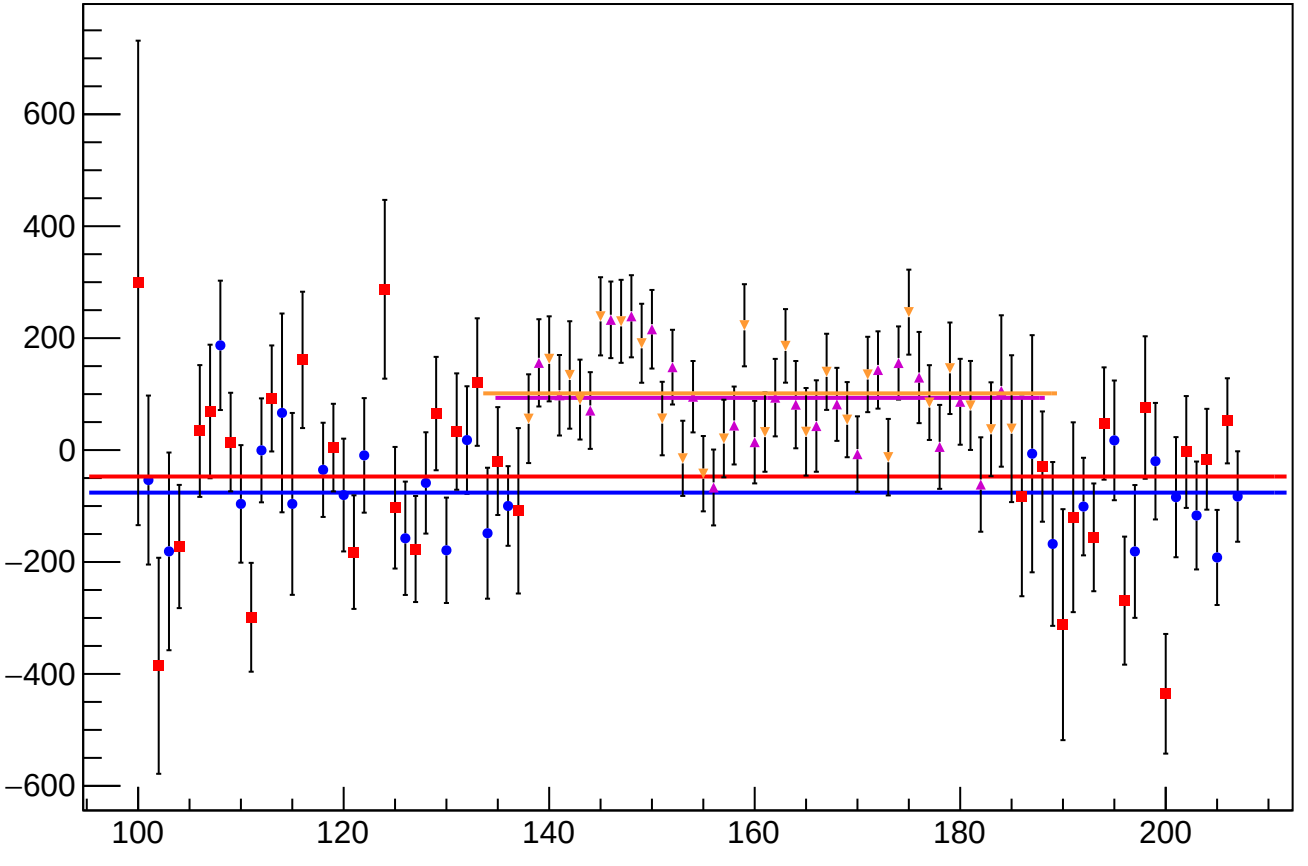
Right: 0.000+/-0.000 χ^2/NDF: 20851896.0/56

In: 0.000+/-0.000 χ^2/NDF:11546807.8/48

Out: 0.000+/-0.000 χ^2/NDF:12637411.9/55

All: 0.000+/-0.000 χ^2/NDF: 24249142.6/104

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.022+/-20.368 χ^2/NDF: 15.4/25

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

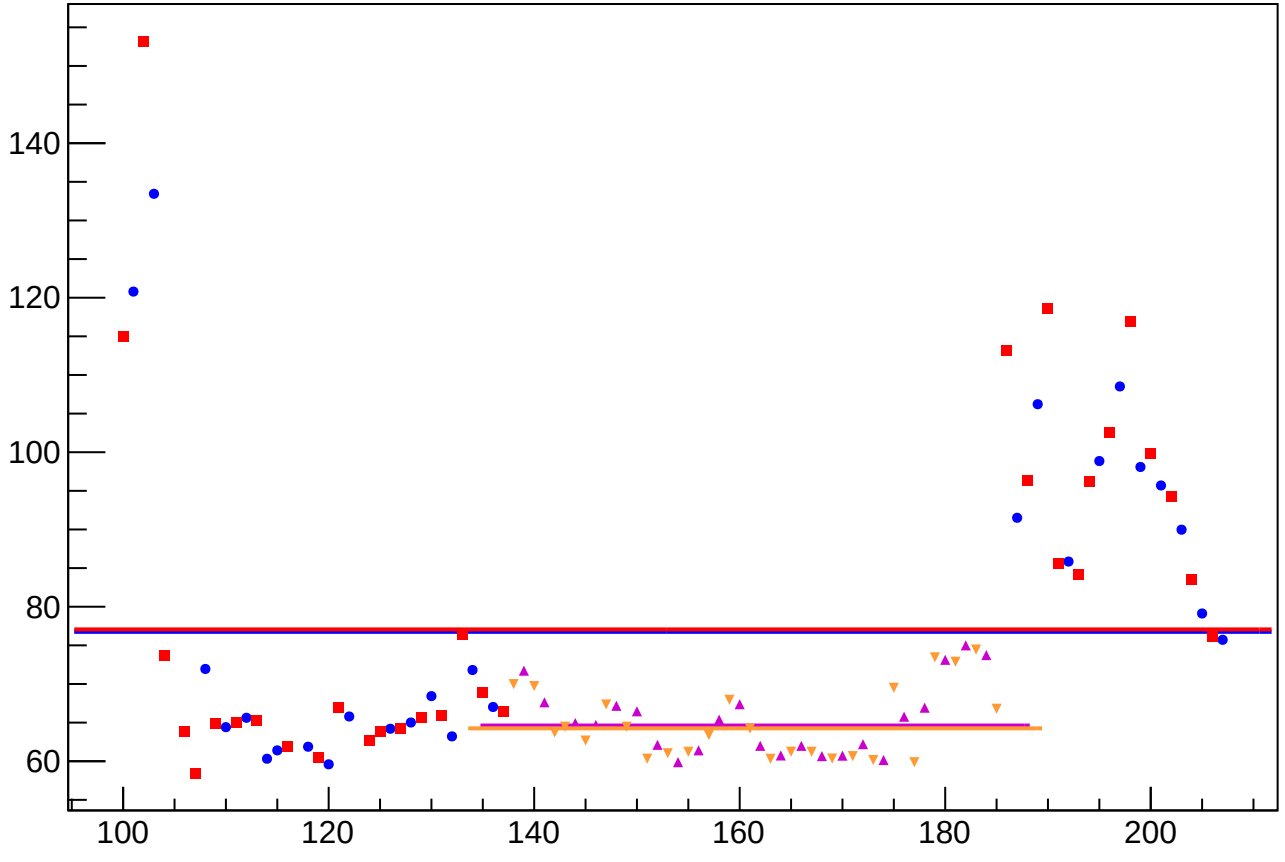
Right: -61.070+/-14.115 χ^2/NDF: 72.1/56

In: 33.015+/-12.149 χ^2/NDF:88.7/48

Out: 48.037+/-11.726 χ^2/NDF:126.5/55

All: 40.793+/-8.437 χ^2/NDF: 216.0/104

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.751+/-0.014 χ^2/NDF: 1302007.1/25

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

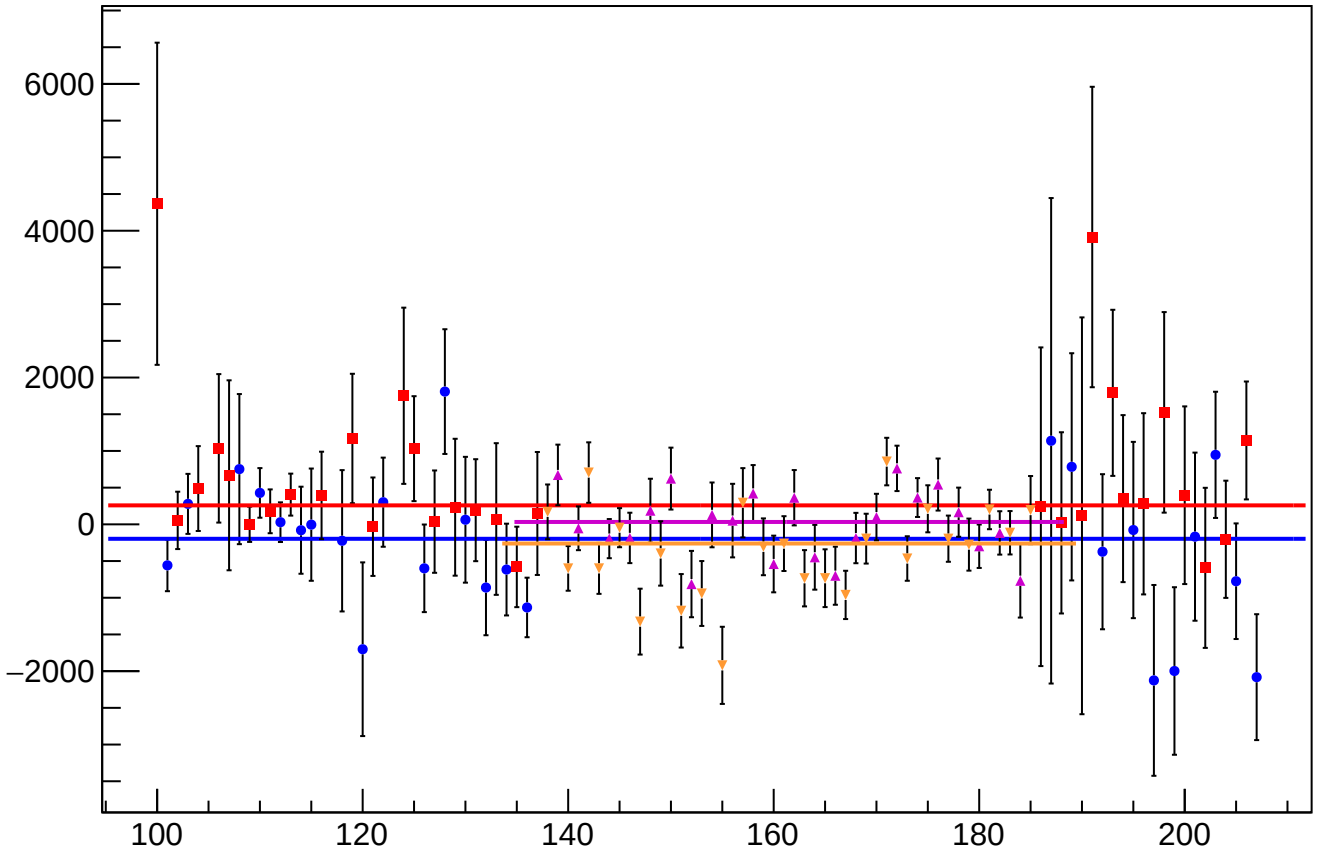
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.913+/-0.010 χ^2/NDF: 2884420.1/56

In: 68.937+/-0.009 χ^2/NDF:1906138.5/48

Out: 68.849+/-0.008 χ^2/NDF:2308759.5/55

All: 68.891+/-0.006 χ^2/NDF: 4214951.7/104



Right In: -196.887+/-118.154 χ^2/NDF: 35.2/25

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

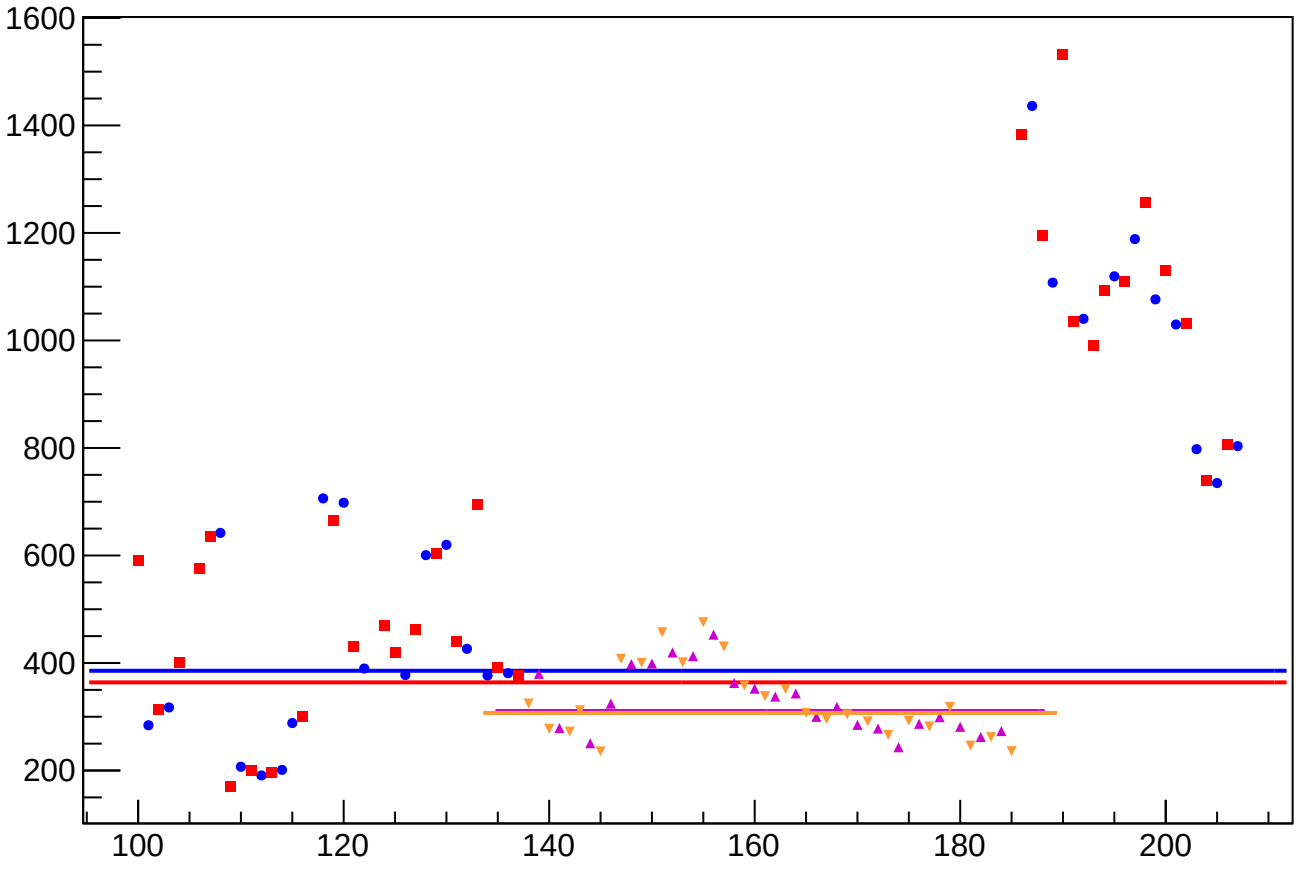
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 44.379+/-81.018 χ^2/NDF: 63.8/56

In: -31.978+/-62.616 χ^2/NDF:69.6/48

Out: -110.038+/-60.019 χ^2/NDF:95.0/55

All: -72.660+/-43.329 χ^2/NDF: 165.4/104



Right In: 385.560+/-0.084 χ^2/NDF: 8427358.5/25

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

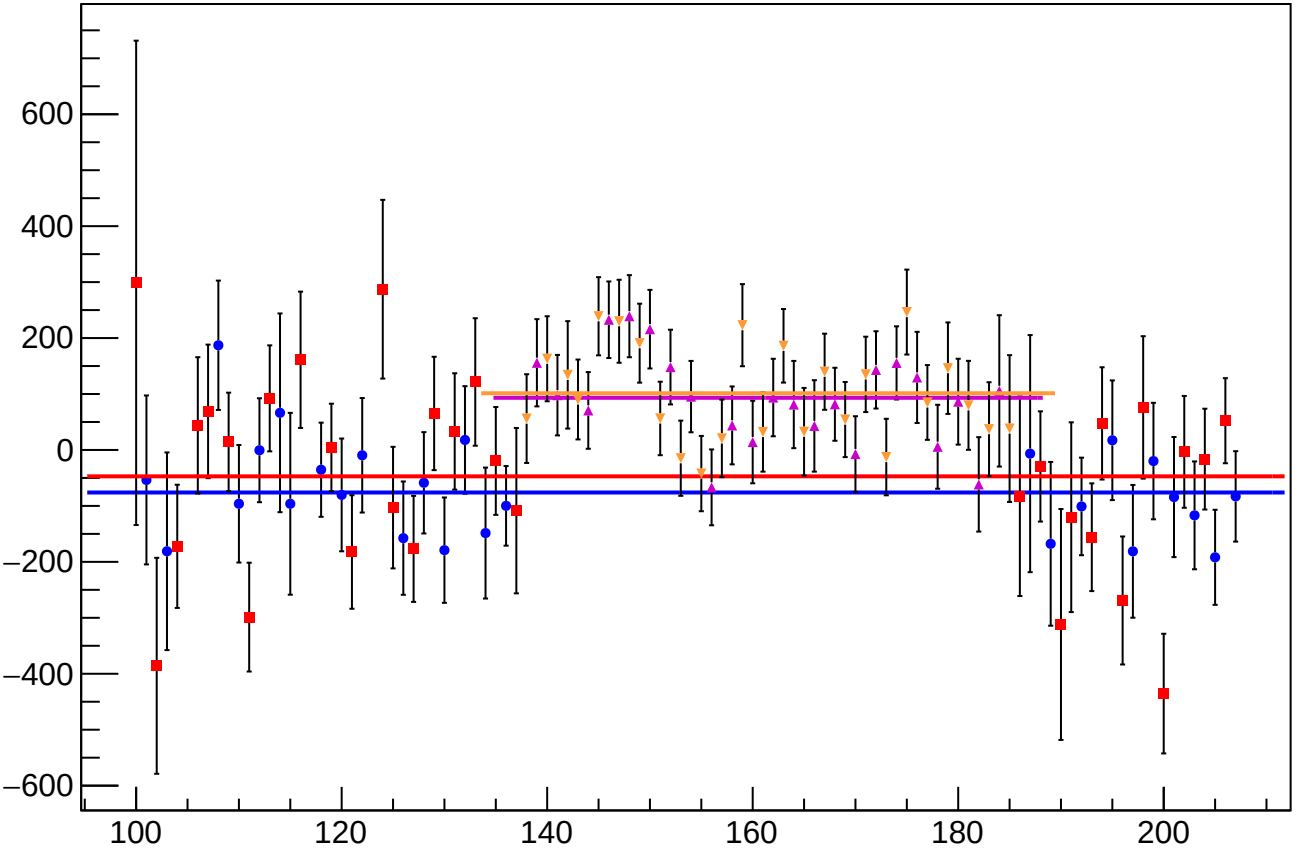
Right: 374.120+/-0.057 χ^2/NDF: 19559668.5/56

In: 331.722+/-0.044 χ^2/NDF:10084235.9/48

Out: 323.666+/-0.042 χ^2/NDF:12786787.9/55

All: 327.524+/-0.031 χ^2/NDF: 22888278.4/10

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.024+/-20.368 χ^2/NDF: 15.4/25

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

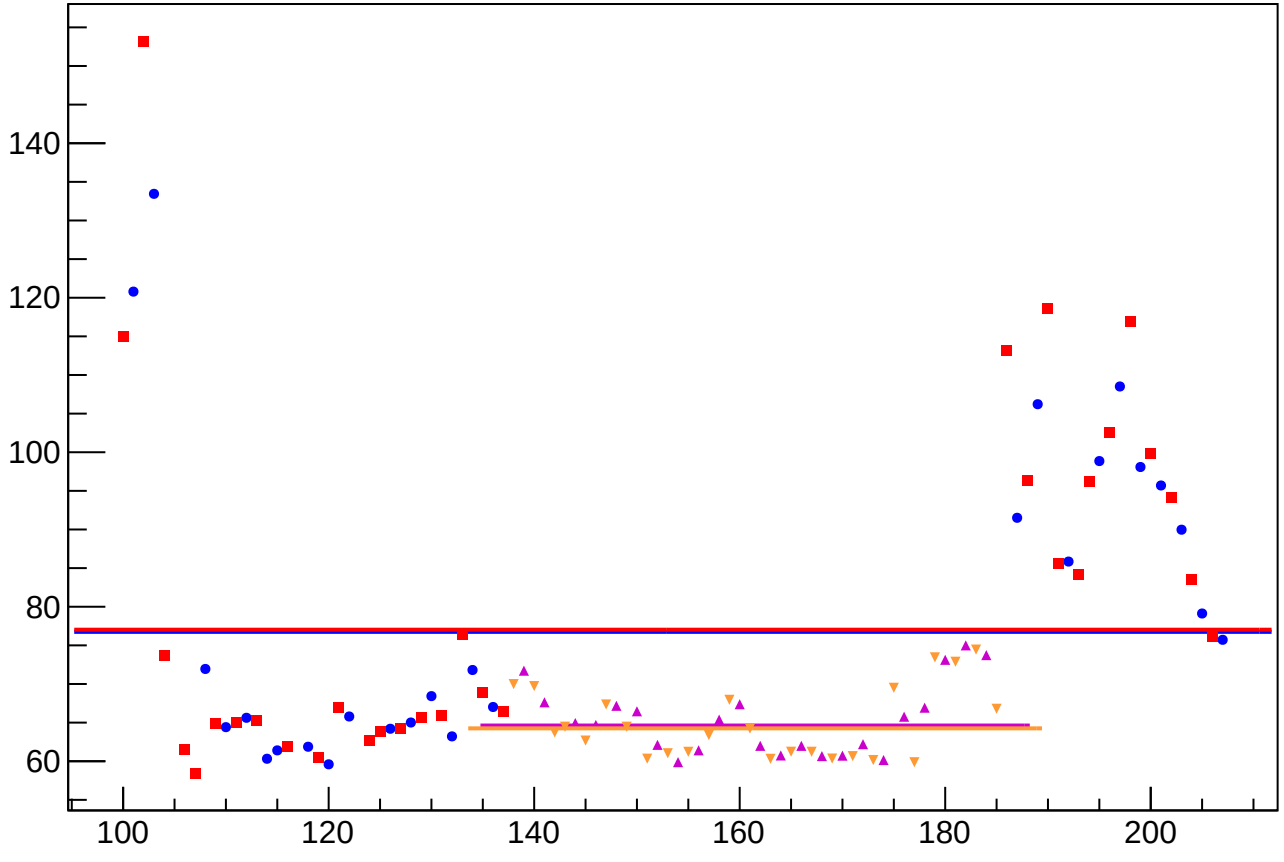
Right: -61.027+/-14.122 χ^2/NDF: 72.2/56

In: 33.014+/-12.149 χ^2/NDF:88.7/48

Out: 48.139+/-11.730 χ^2/NDF:126.5/55

All: 40.842+/-8.438 χ^2/NDF: 216.0/104

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.751+/-0.014 χ^2/NDF: 1302007.4/25

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

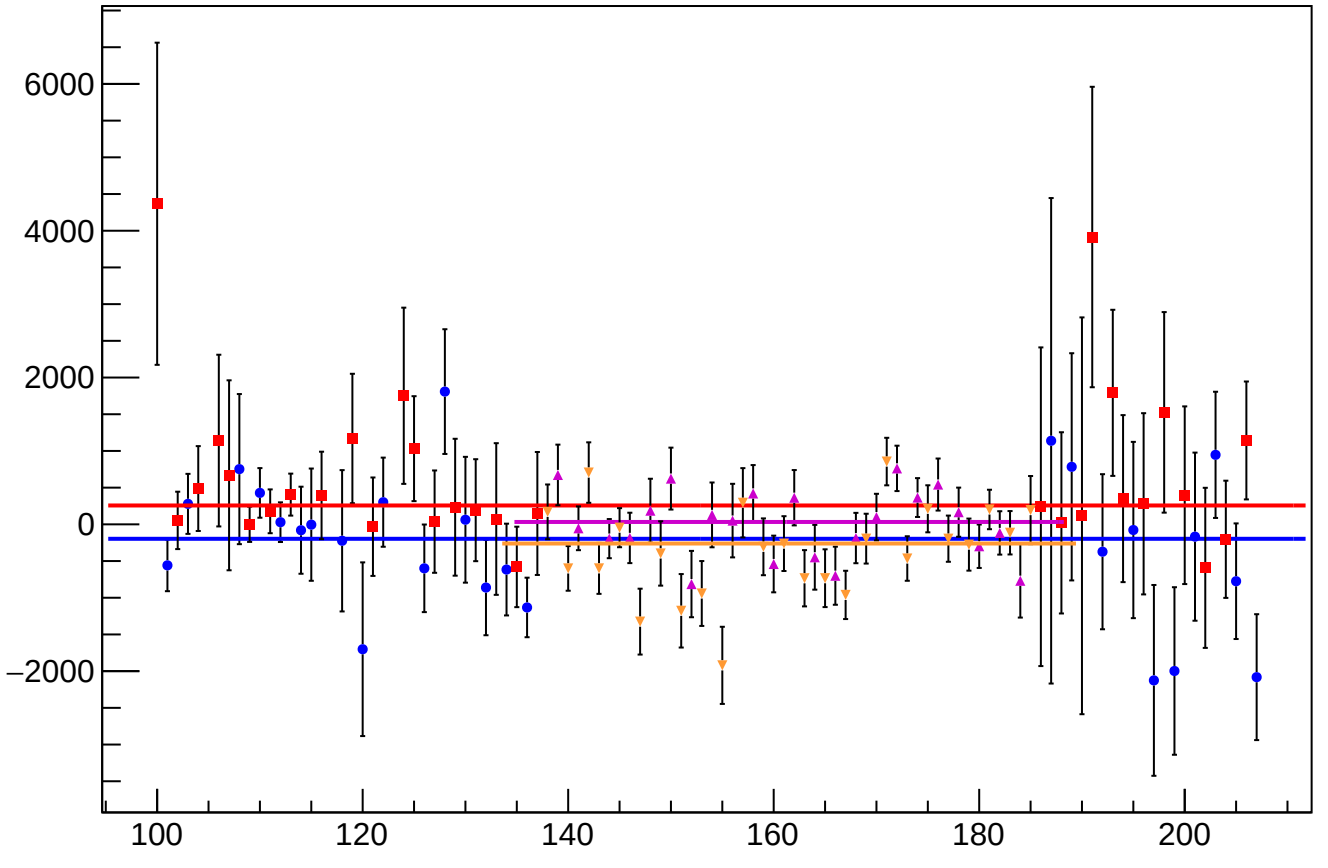
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.894+/-0.010 χ^2/NDF: 2891864.8/56

In: 68.937+/-0.009 χ^2/NDF:1906138.9/48

Out: 68.831+/-0.008 χ^2/NDF:2312440.4/55

All: 68.882+/-0.006 χ^2/NDF: 4218658.4/104



Right In: -196.884+/-118.155 χ^2/NDF: 35.2/25

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

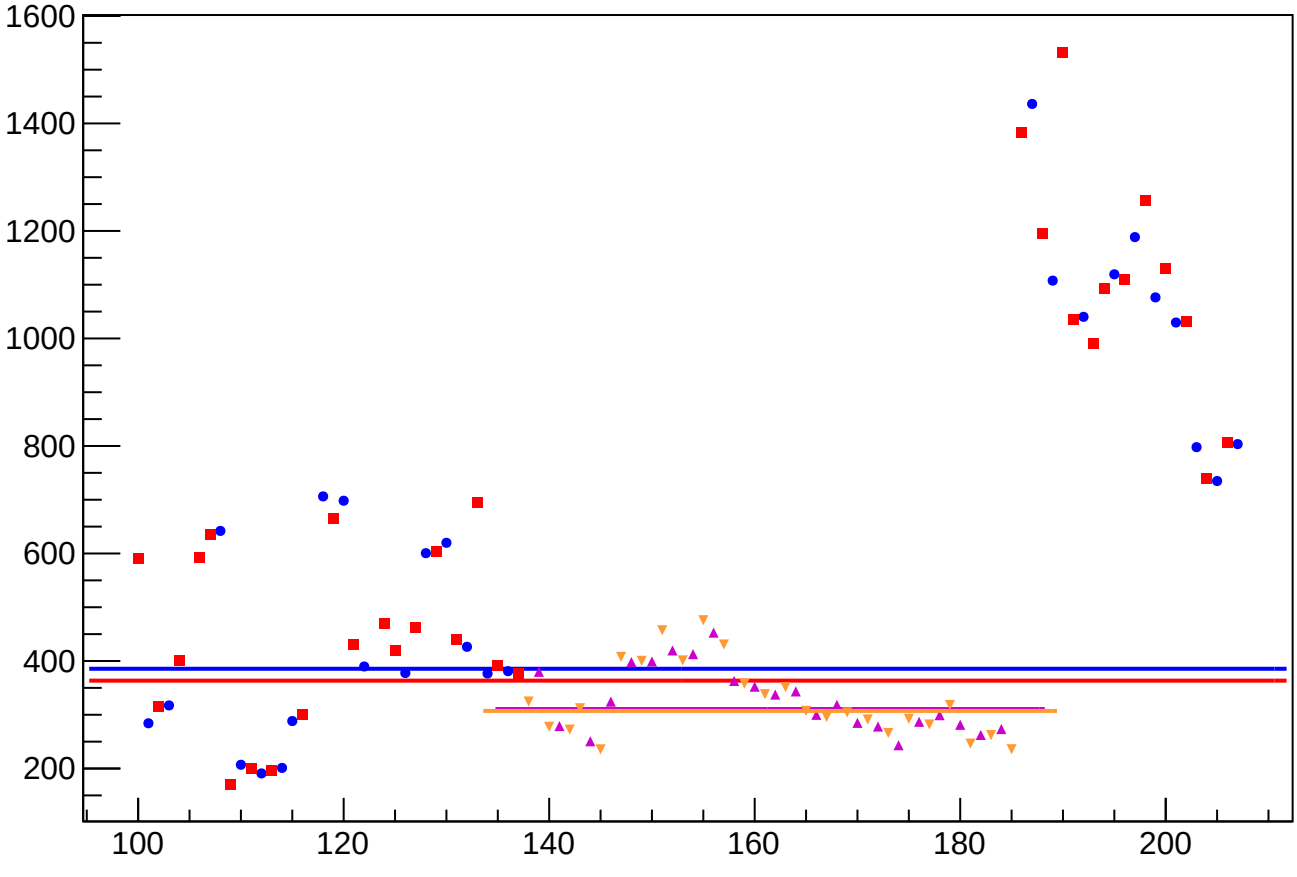
Right: 43.281+/-81.086 χ^2/NDF: 63.7/56

In: -31.979+/-62.616 χ^2/NDF:69.6/48

Out: -110.782+/-60.047 χ^2/NDF:94.9/55

All: -73.031+/-43.339 χ^2/NDF: 165.3/104

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 385.562+/-0.084 χ^2/NDF: 8427316.2/25

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

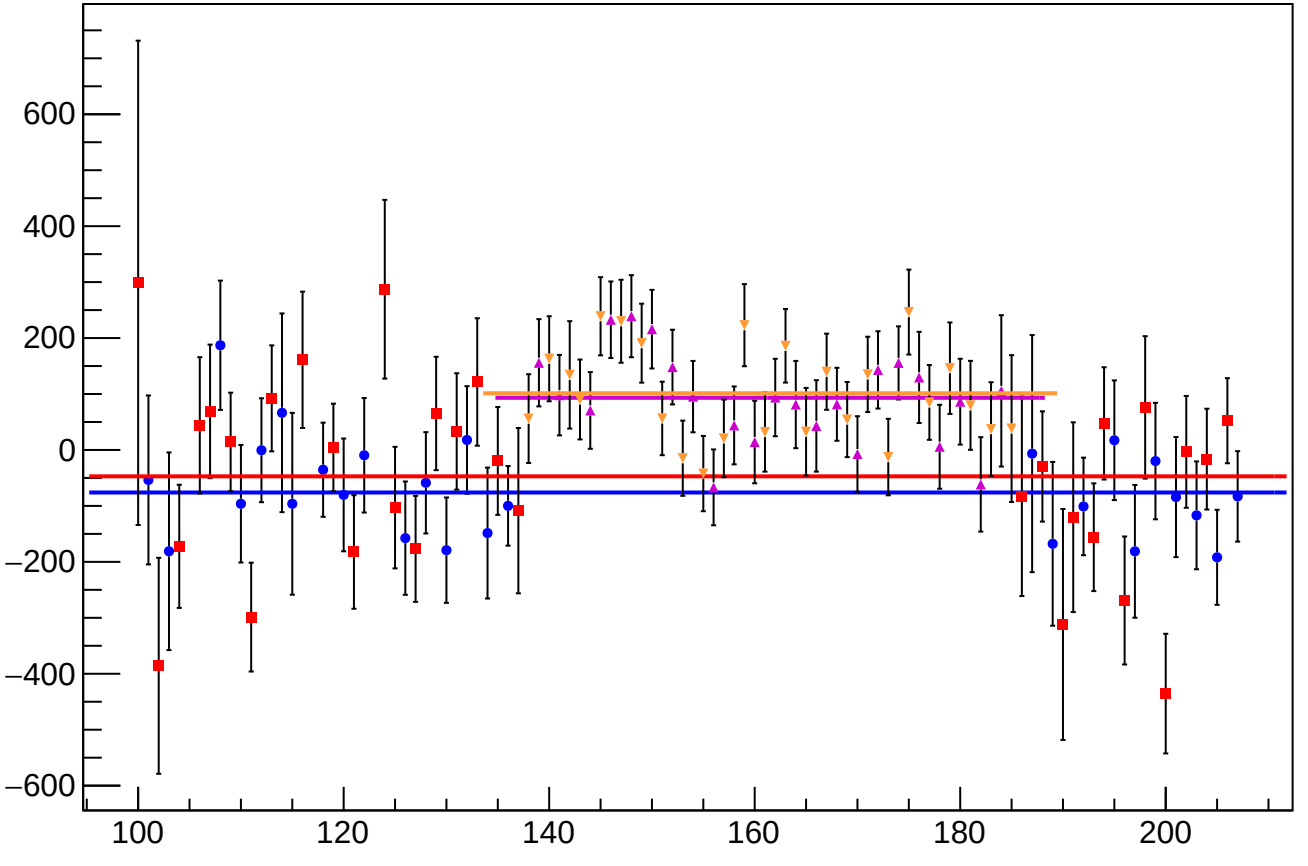
Right: 373.890+/-0.057 χ^2/NDF: 19550399.4/56

In: 331.723+/-0.044 χ^2/NDF:10084229.6/48

Out: 323.493+/-0.042 χ^2/NDF:12769166.8/55

All: 327.436+/-0.031 χ^2/NDF: 22871394.1/10

eigen_cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -76.024+/-20.368 χ^2/NDF: 15.4/25

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

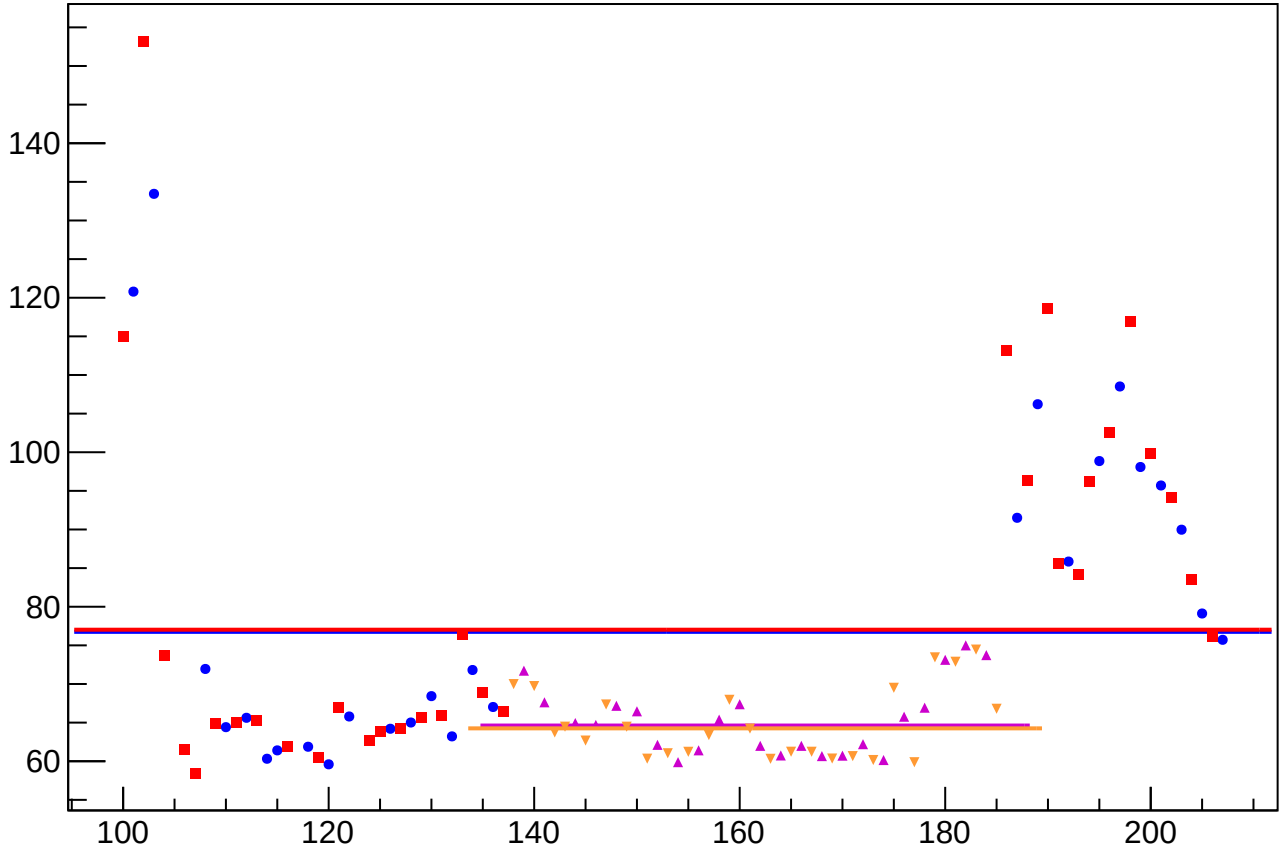
Right: -61.027+/-14.122 χ^2/NDF: 72.2/56

In: 33.014+/-12.149 χ^2/NDF:88.7/48

Out: 48.139+/-11.730 χ^2/NDF:126.5/55

All: 40.842+/-8.438 χ^2/NDF: 216.0/104

eigen_cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.751+/-0.014 χ^2/NDF: 1302007.4/25

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

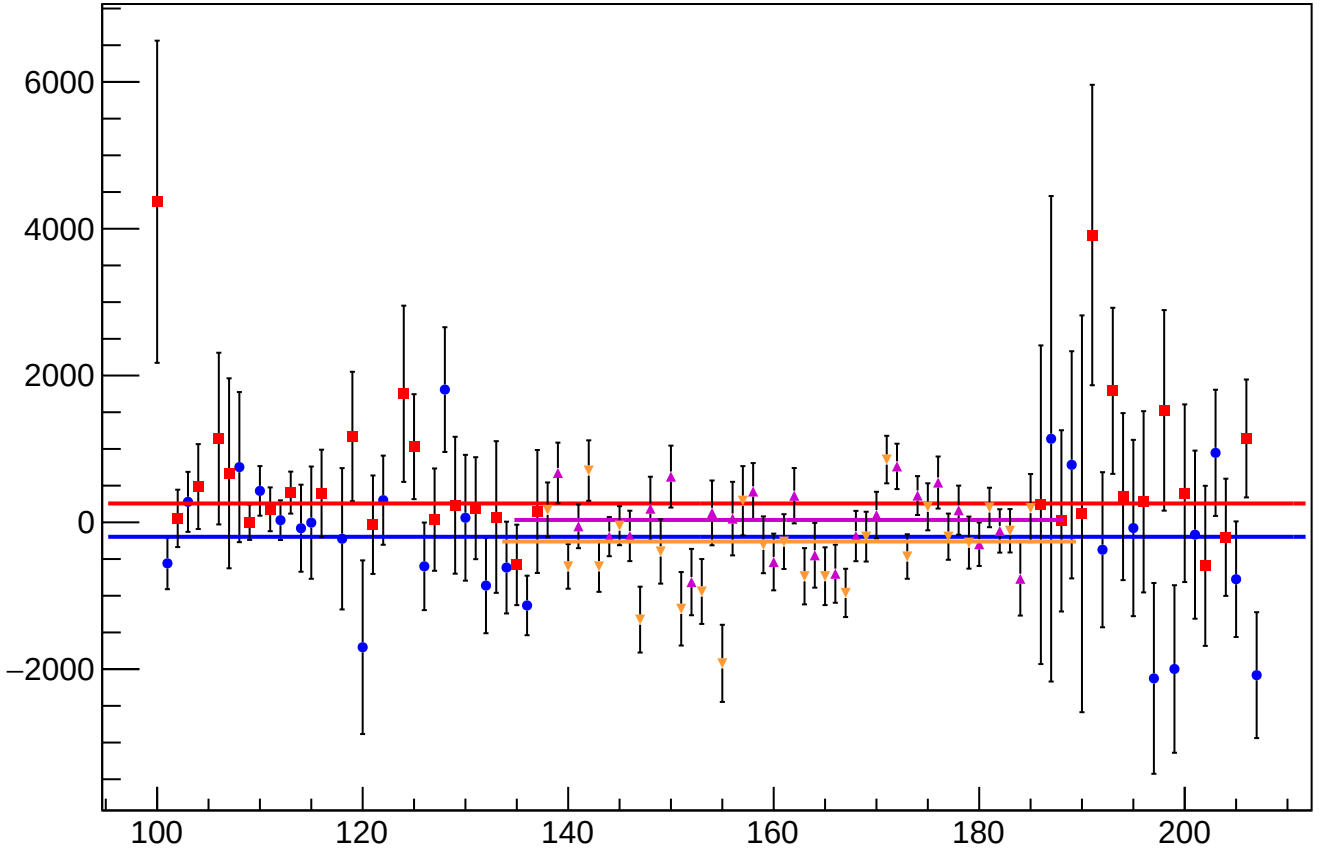
Right: 76.894+/-0.010 χ^2/NDF: 2891864.8/56

In: 68.937+/-0.009 χ^2/NDF:1906138.9/48

Out: 68.831+/-0.008 χ^2/NDF:2312440.4/55

All: 68.882+/-0.006 χ^2/NDF: 4218658.4/104

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -196.884+/-118.155 χ^2/NDF: 35.2/25

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

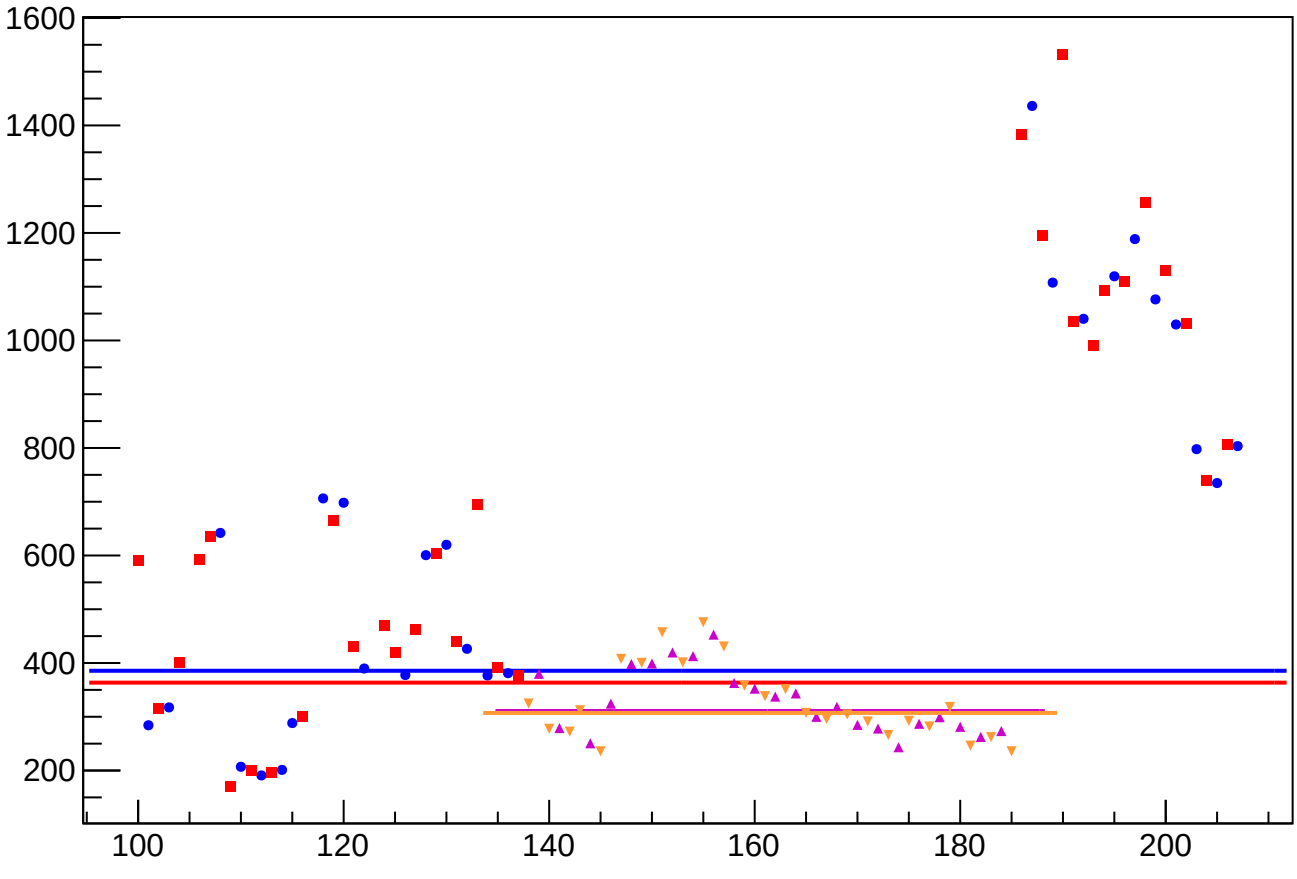
Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

Right: 43.281+/-81.086 χ^2/NDF: 63.7/56

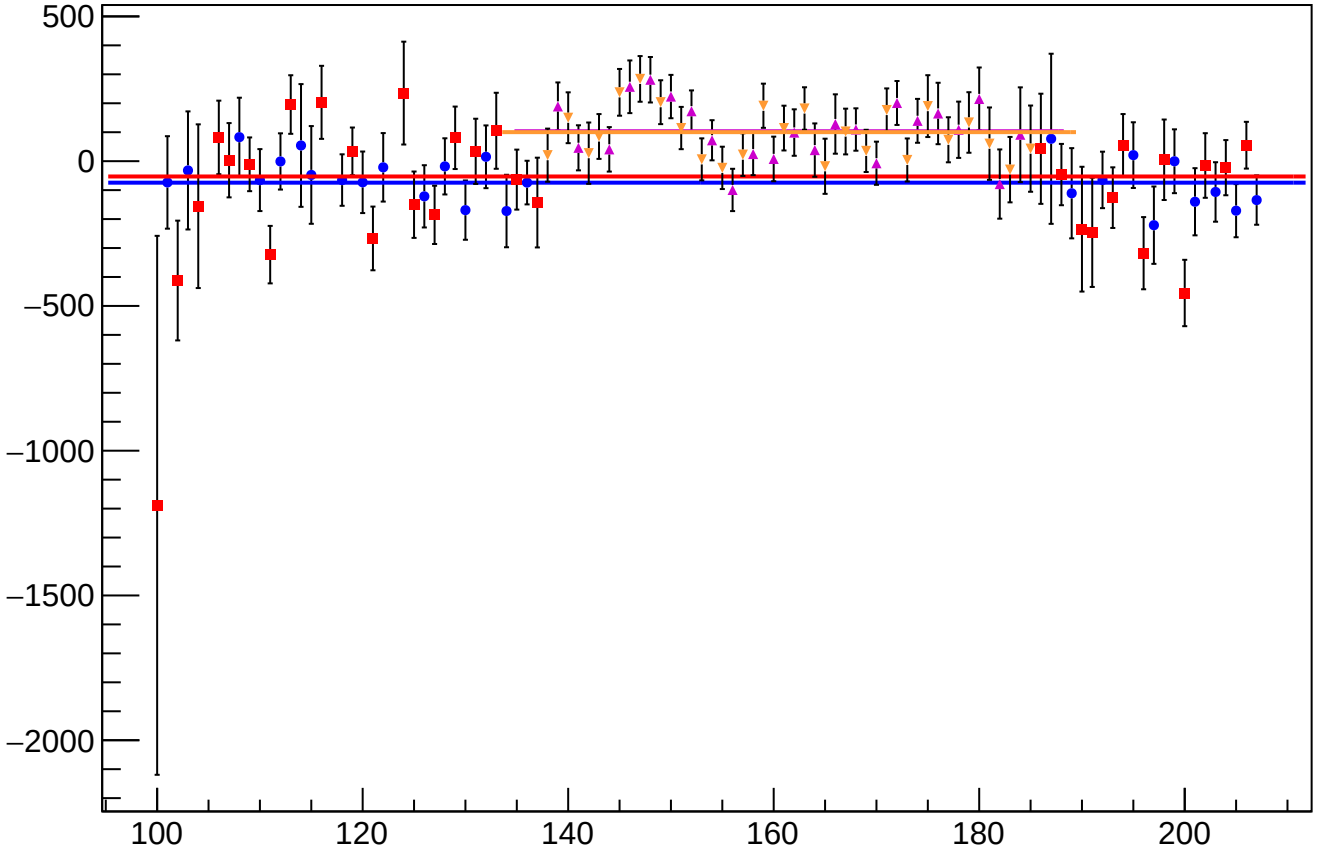
In: -31.979+/-62.616 χ^2/NDF:69.6/48

Out: -110.782+/-60.047 χ^2/NDF:94.9/55

All: -73.031+/-43.339 χ^2/NDF: 165.3/104


asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected
1600
1400
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 385.562+/-0.084 χ²/NDF: 8427316.2/25
Left Out: 307.143+/-0.050 χ²/NDF:1320147.4/24
Right Out: 363.499+/-0.079 χ²/NDF: 11086190.4/30
Left In: 310.698+/-0.052 χ²/NDF:1079479.8/22
Left: 308.857+/-0.036 χ²/NDF: 2402026.6/47
Right: 373.890+/-0.057 χ²/NDF: 19550399.4/56
In: 331.723+/-0.044 χ²/NDF:10084229.6/48
Out: 323.493+/-0.042 χ²/NDF:12769166.8/55
All: 327.436+/-0.031 χ²/NDF: 22871394.1/10

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -74.260+/-21.995 χ^2/NDF: 10.0/25

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

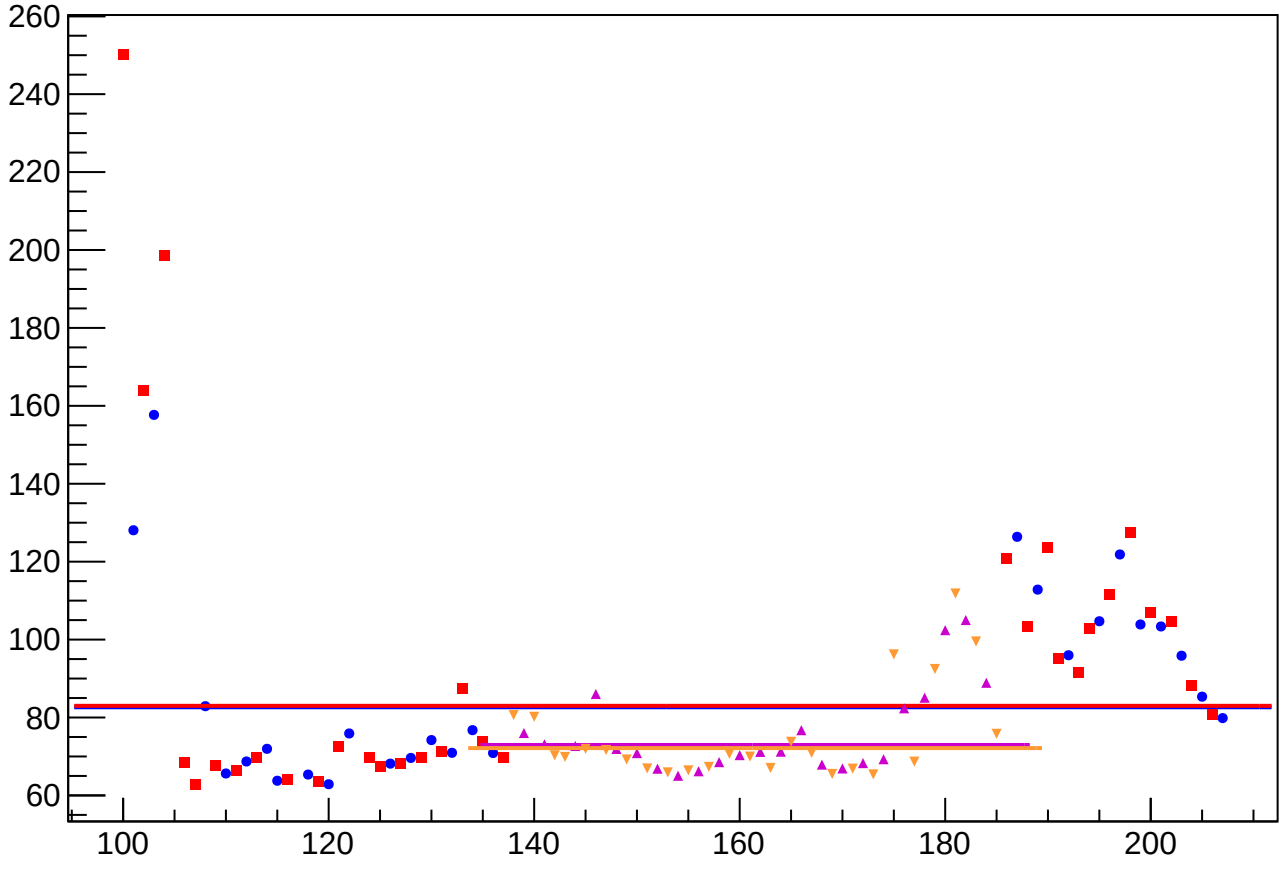
Right: -63.197+/-15.286 χ^2/NDF: 70.6/56

In: 35.668+/-13.579 χ^2/NDF:83.0/48

Out: 42.159+/-13.096 χ^2/NDF:120.1/55

All: 39.031+/-9.426 χ^2/NDF: 203.2/104

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.631+/-0.016 χ^2/NDF: 1447719.3/25

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

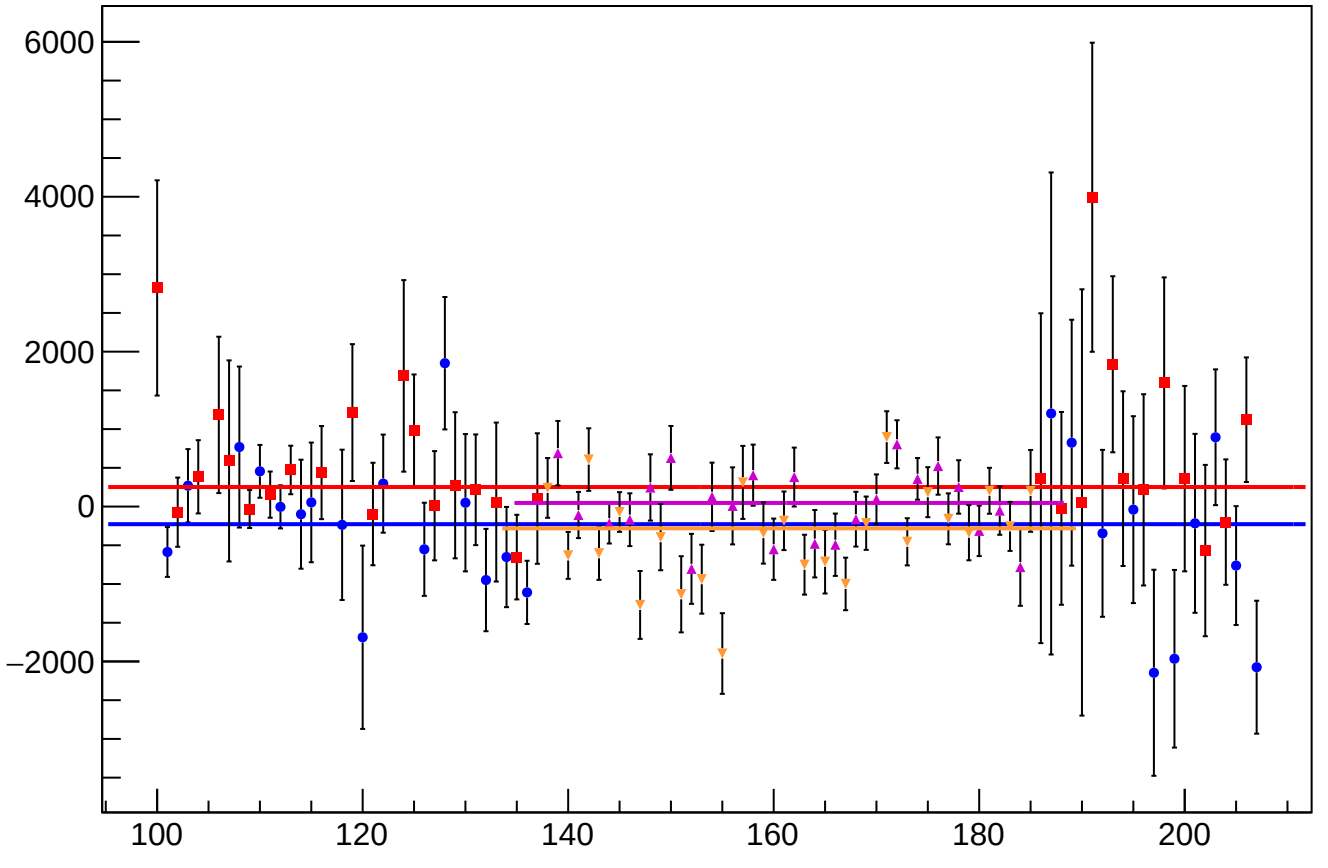
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 82.820+/-0.011 χ^2/NDF: 3520823.7/56

In: 76.638+/-0.010 χ^2/NDF:2196623.0/48

Out: 76.266+/-0.009 χ^2/NDF:3037905.1/55

All: 76.446+/-0.007 χ^2/NDF: 5235306.8/104



Right In: -227.512+/-120.299 χ^2/NDF: 34.7/25

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

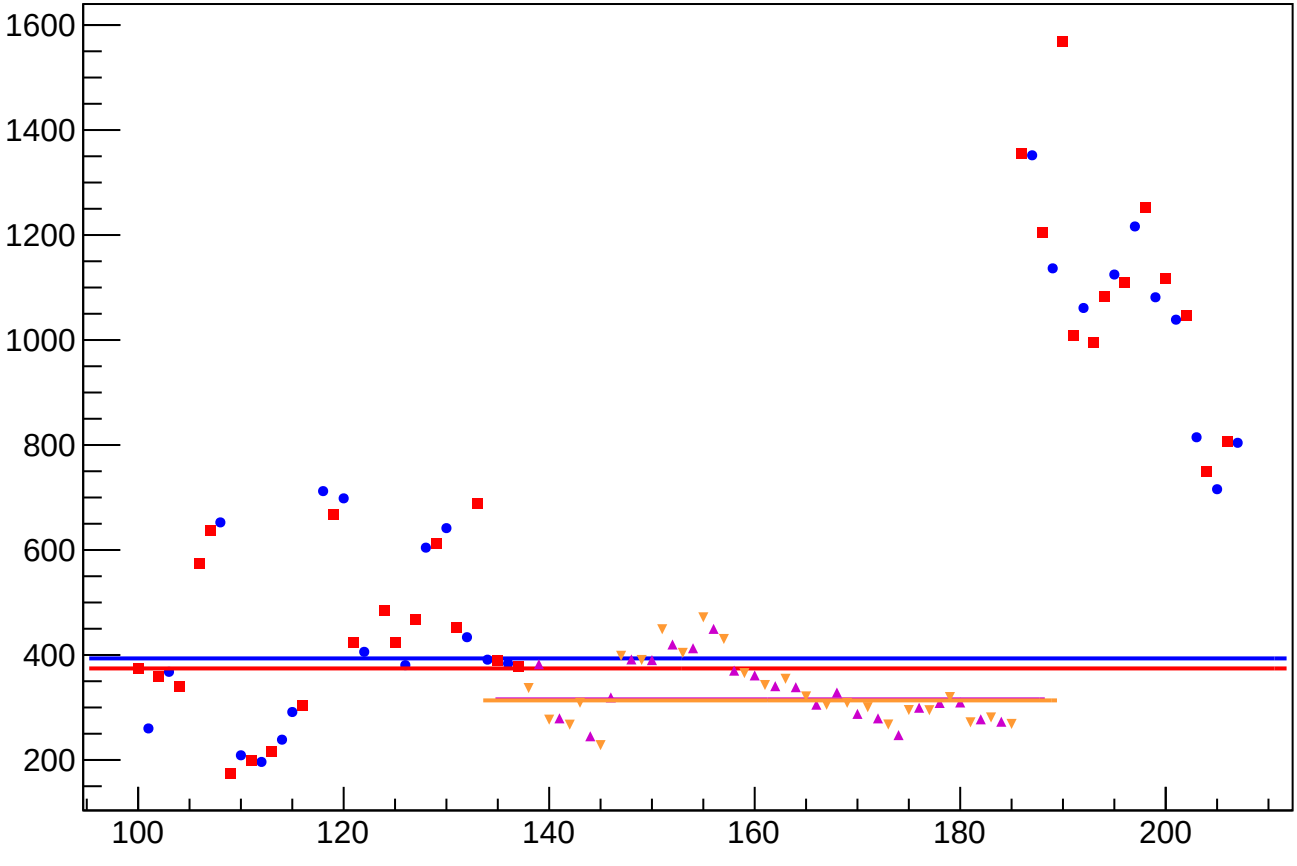
Right: 26.689+/-82.480 χ^2/NDF: 65.4/56

In: -29.993+/-63.581 χ^2/NDF:69.2/48

Out: -126.142+/-61.091 χ^2/NDF:94.8/55

All: -79.988+/-44.052 χ^2/NDF: 165.2/104

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 393.473+/-0.085 χ^2/NDF: 8344571.0/25

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

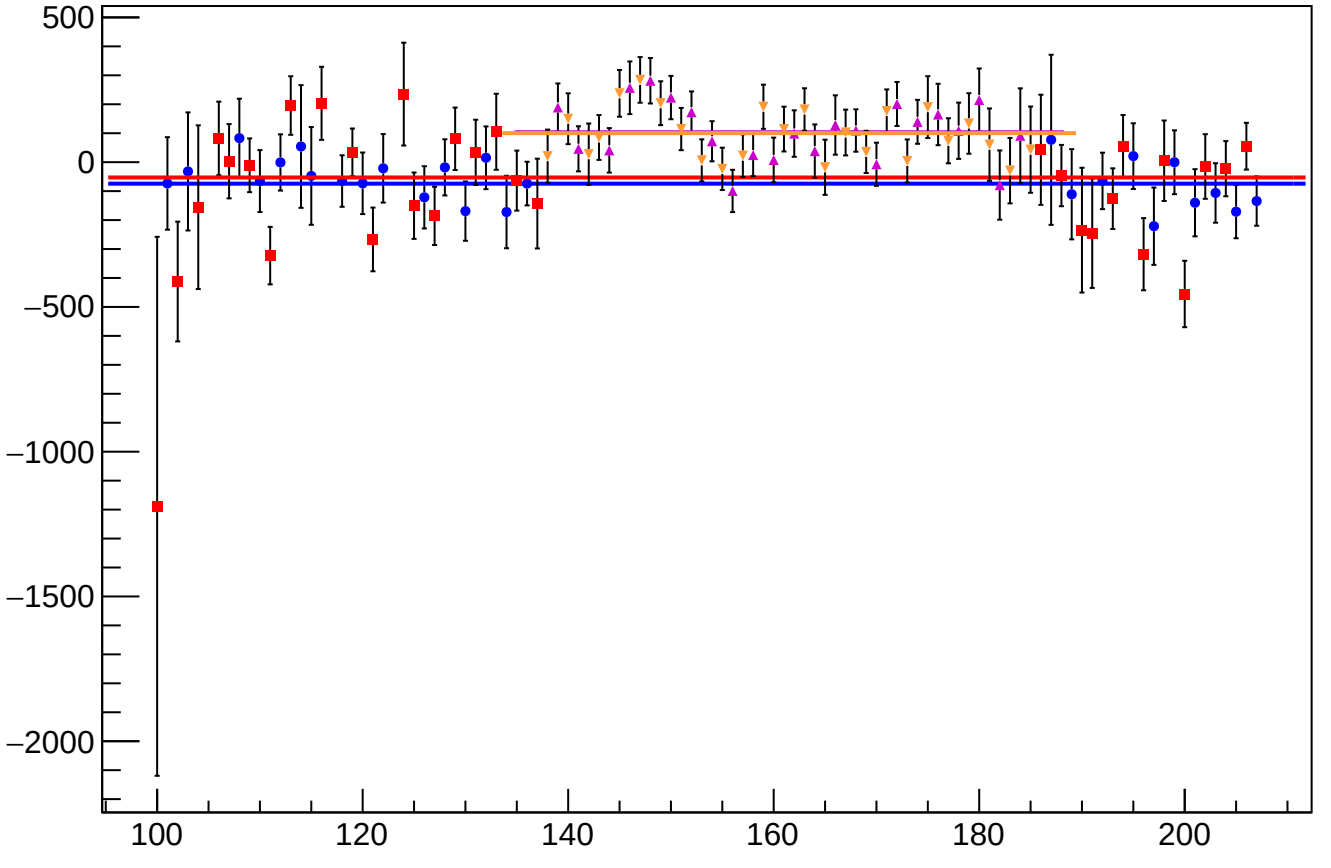
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 383.353+/-0.058 χ^2/NDF: 19079752.9/56

In: 337.249+/-0.045 χ^2/NDF:9959307.8/48

Out: 331.197+/-0.043 χ^2/NDF:12293494.3/55

All: 334.102+/-0.031 χ^2/NDF: 22262223.2/10



Right In: -74.259+/-21.995 χ^2/NDF: 10.0/25

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

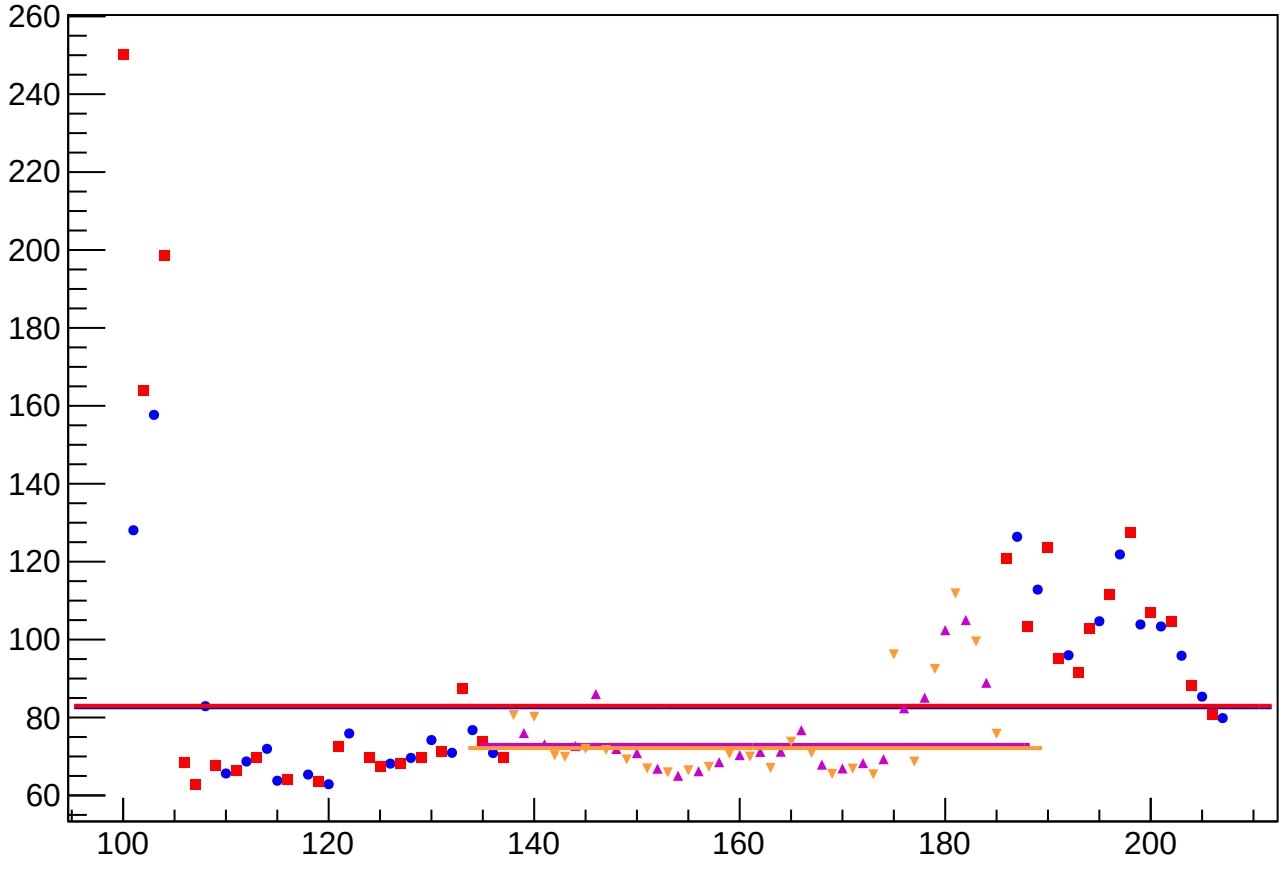
Right: -63.197+/-15.286 χ^2/NDF: 70.6/56

In: 35.668+/-13.579 χ^2/NDF:83.0/48

Out: 42.158+/-13.096 χ^2/NDF:120.1/55

All: 39.030+/-9.426 χ^2/NDF: 203.2/104

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.631+/-0.016 χ^2/NDF: 1447727.4/25

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

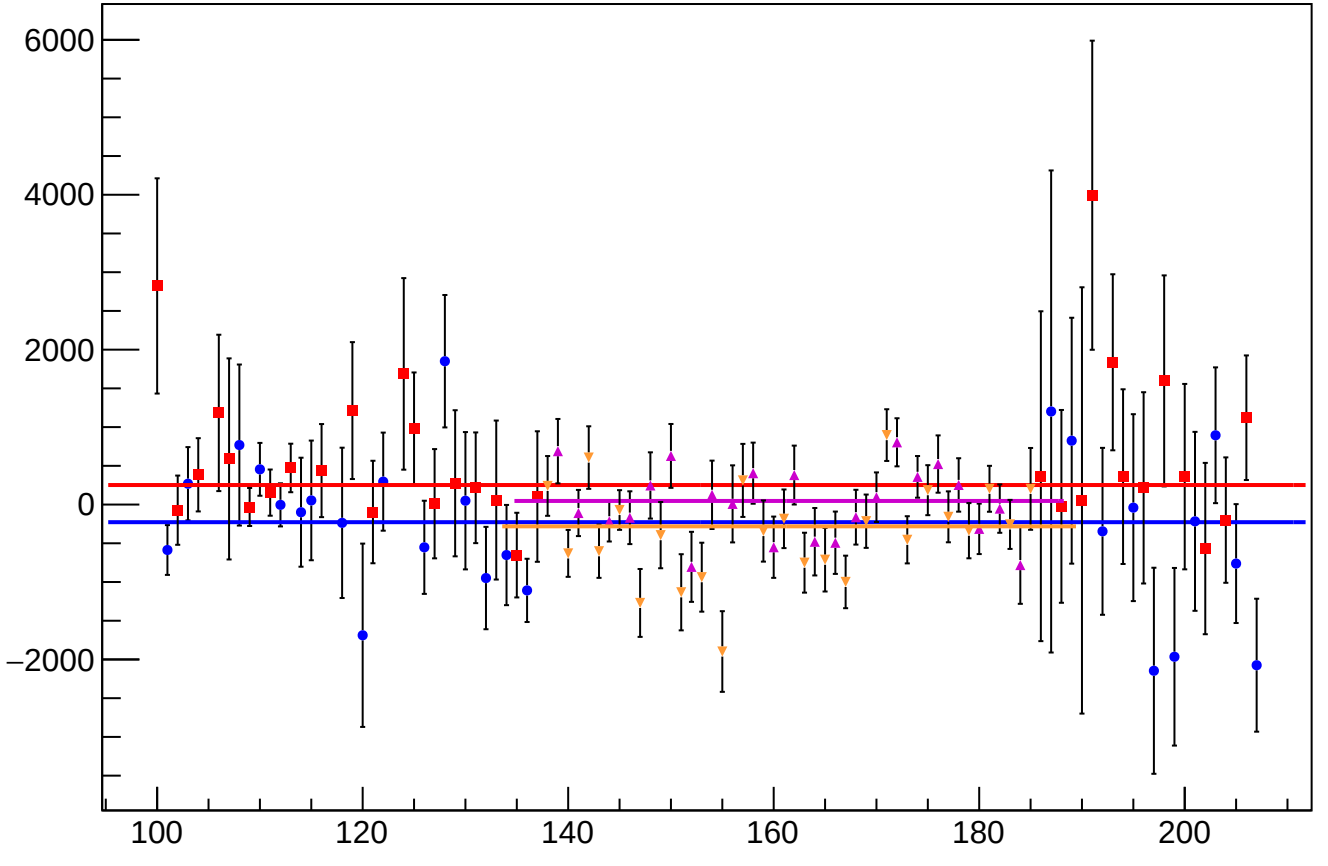
Right: 82.820+/-0.011 χ^2/NDF: 3520833.5/56

In: 76.638+/-0.010 χ^2/NDF:2196625.5/48

Out: 76.266+/-0.009 χ^2/NDF:3037897.9/55

All: 76.446+/-0.007 χ^2/NDF: 5235302.1/104

asym_sam7_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -227.509+/-120.298 χ^2/NDF: 34.7/25

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

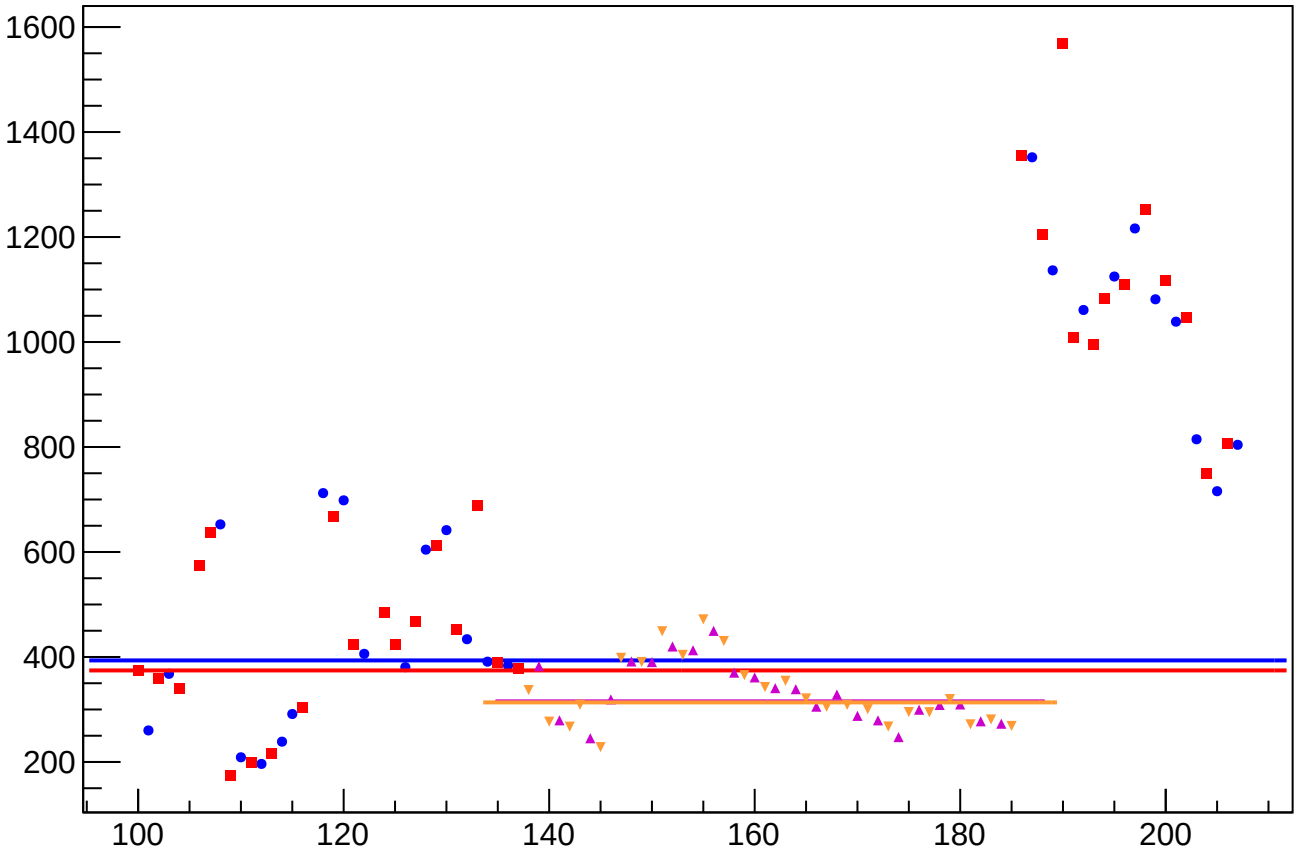
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 26.689+/-82.480 χ^2/NDF: 65.4/56

In: -29.993+/-63.581 χ^2/NDF:69.2/48

Out: -126.142+/-61.091 χ^2/NDF:94.8/55

All: -79.988+/-44.052 χ^2/NDF: 165.2/104



Right In: 393.470+/-0.085 χ^2/NDF: 8344653.2/25

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

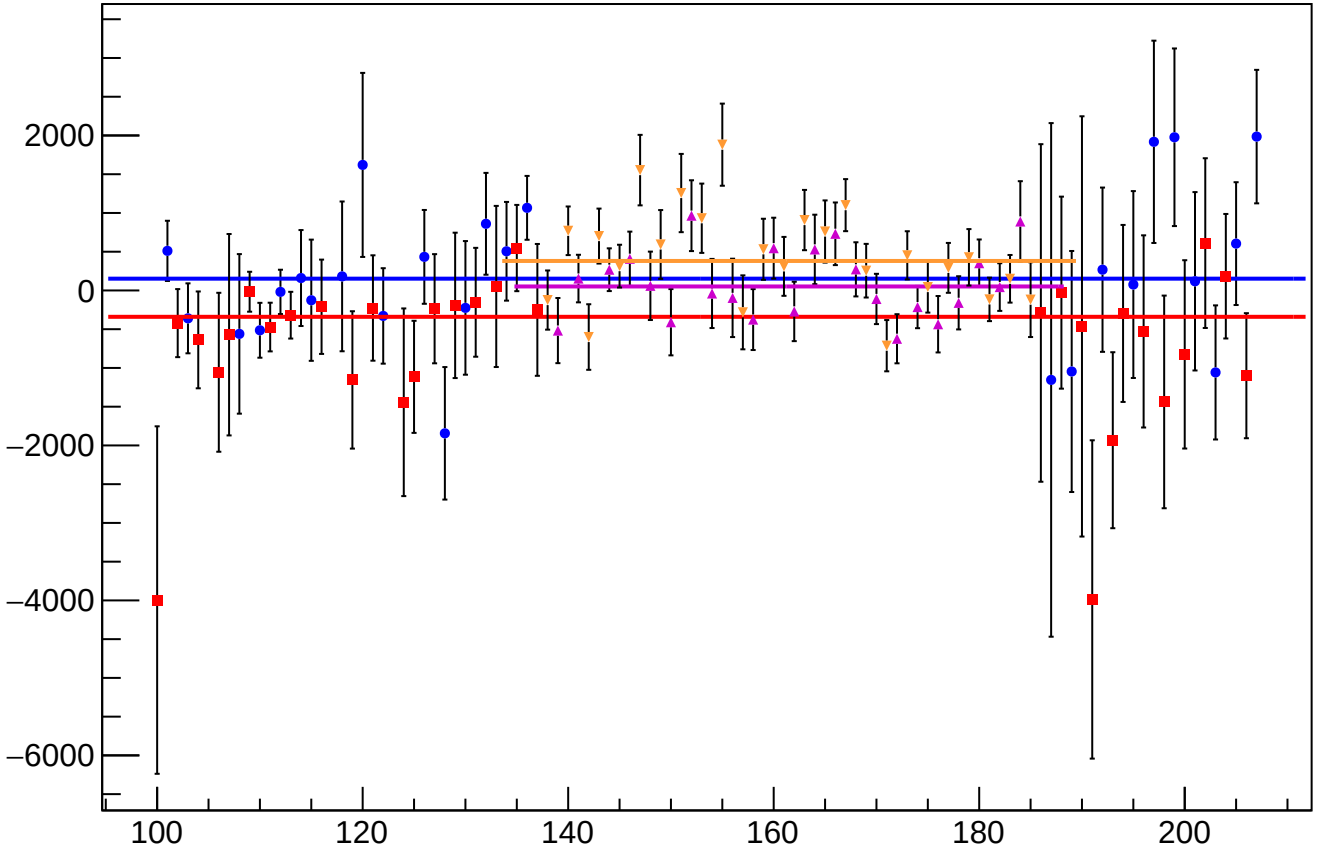
Right: 383.351+/-0.058 χ^2/NDF: 19079879.2/56

In: 337.249+/-0.045 χ^2/NDF:9959343.2/48

Out: 331.197+/-0.043 χ^2/NDF:12293522.2/55

All: 334.102+/-0.031 χ^2/NDF: 22262286.5/10

asym_sam7_mean vs Slug, Sign Corrected



Right In: 152.179+/-123.170 χ^2/NDF: 33.0/25

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

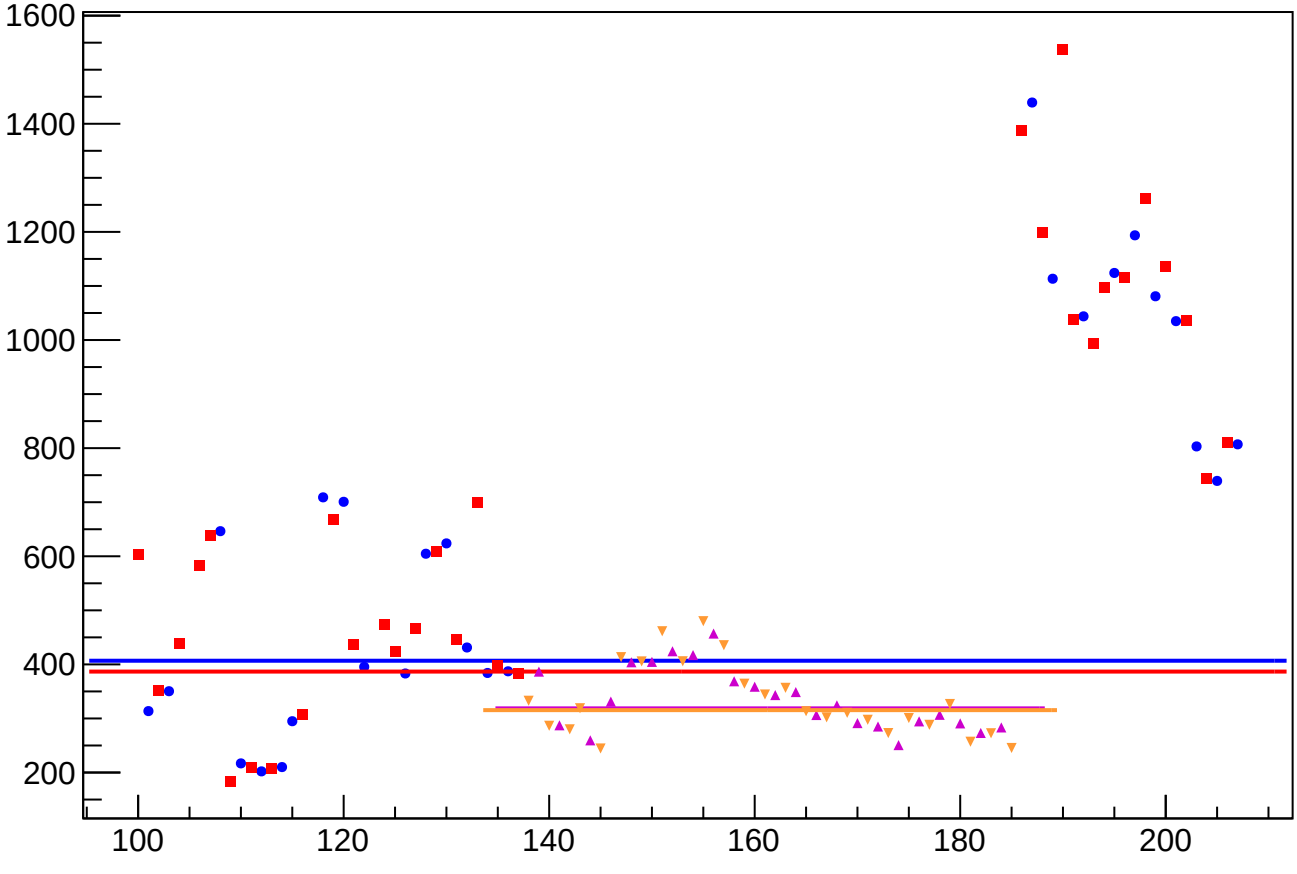
Right: -107.674+/-84.638 χ^2/NDF: 60.4/56

In: 79.047+/-64.449 χ^2/NDF:61.6/48

Out: 177.186+/-61.894 χ^2/NDF:101.9/55

All: 130.101+/-44.642 χ^2/NDF: 164.7/104

asym_sam7_rms vs Slug, Sign Corrected



Right In: 406.786+/-0.087 χ^2/NDF: 7917291.7/25

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

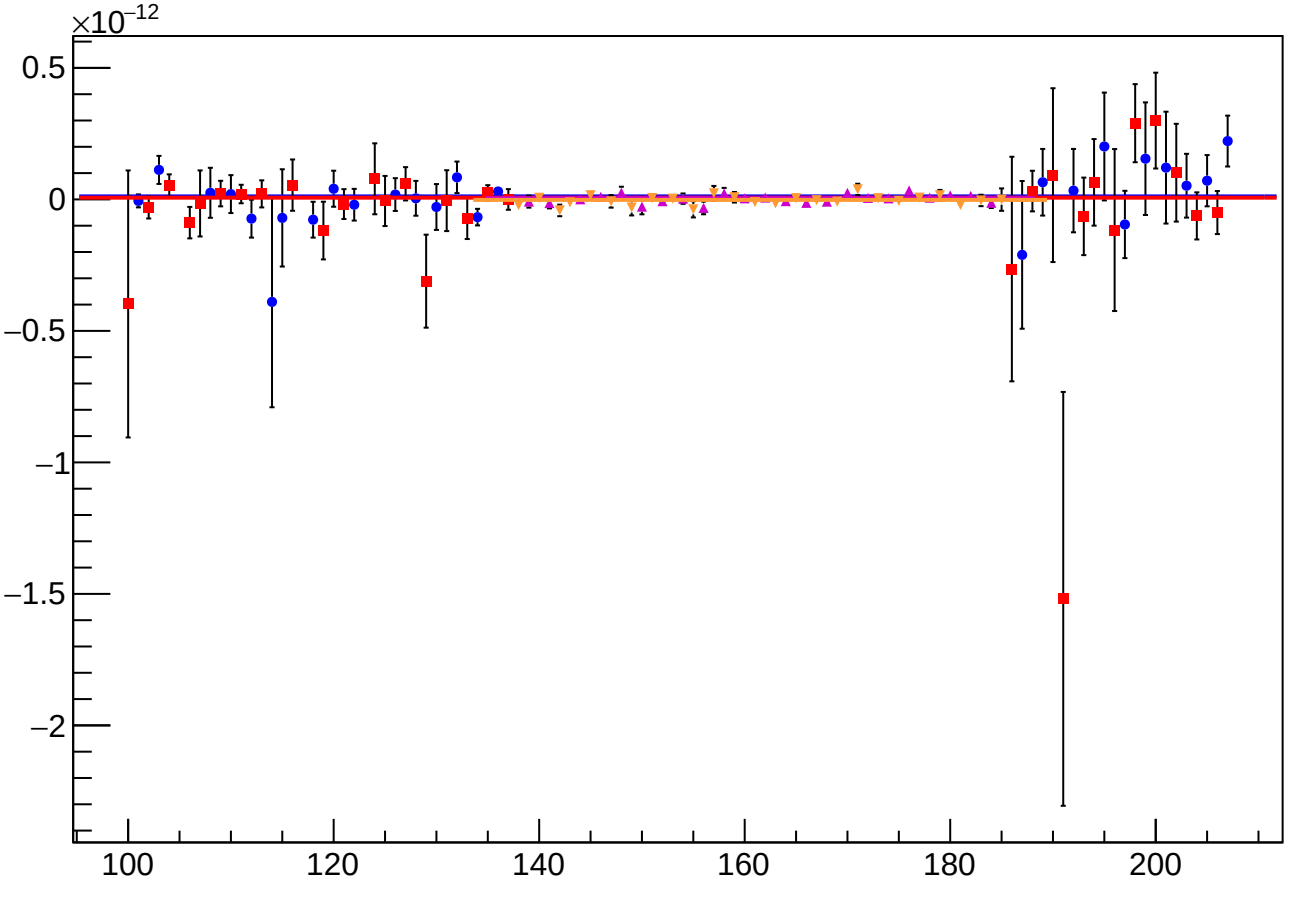
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 396.196+/-0.060 χ^2/NDF: 18423902.0/56

In: 342.809+/-0.046 χ^2/NDF:9651937.3/48

Out: 335.527+/-0.044 χ^2/NDF:12226757.4/55

All: 339.021+/-0.032 χ^2/NDF: 21891978.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/25

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

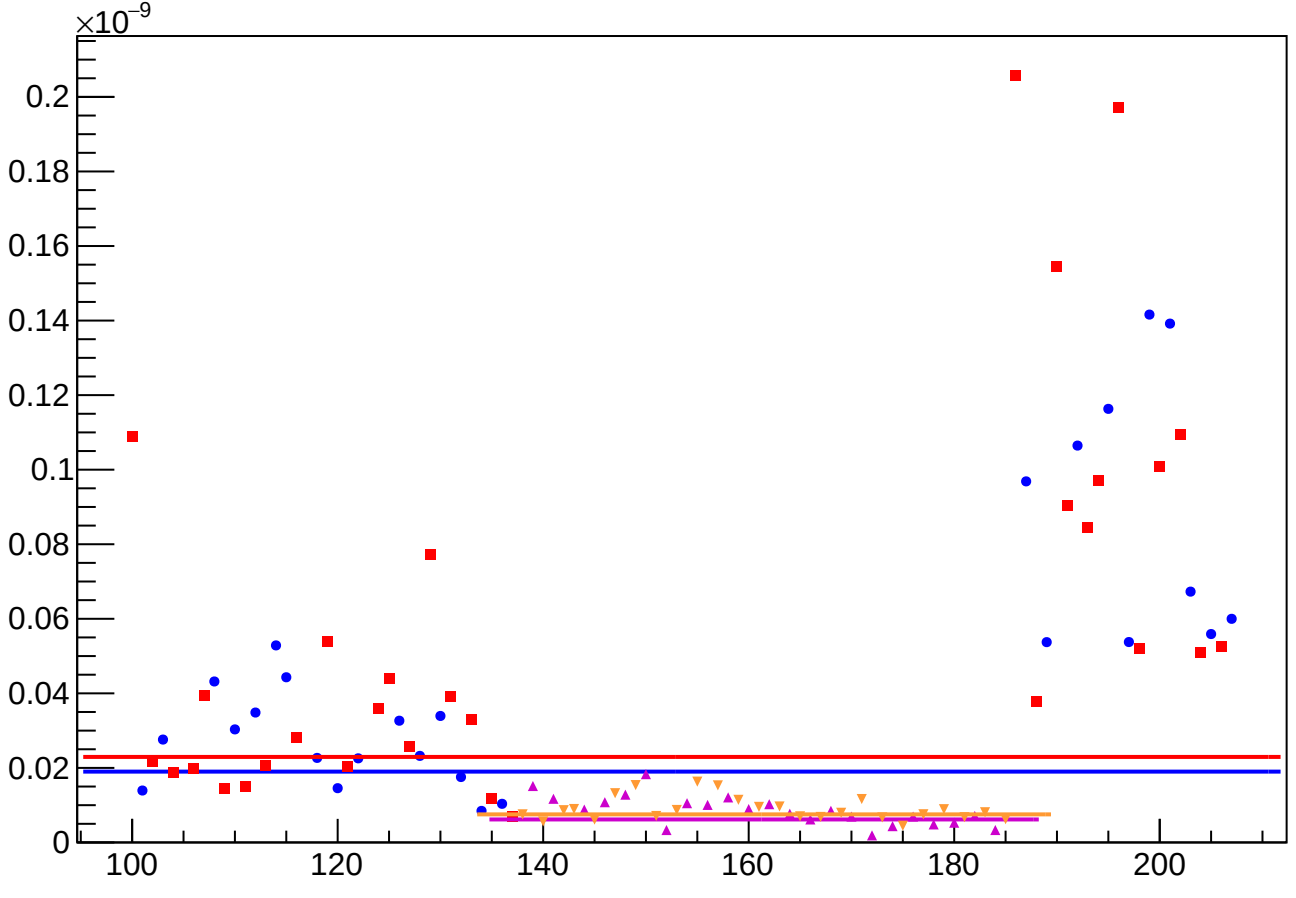
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 51.5/56

In: 0.000+/-0.000 χ^2/NDF:44.2/48

Out: -0.000+/-0.000 χ^2/NDF:44.7/55

All: 0.000+/-0.000 χ^2/NDF: 91.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 5120179.8/25

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

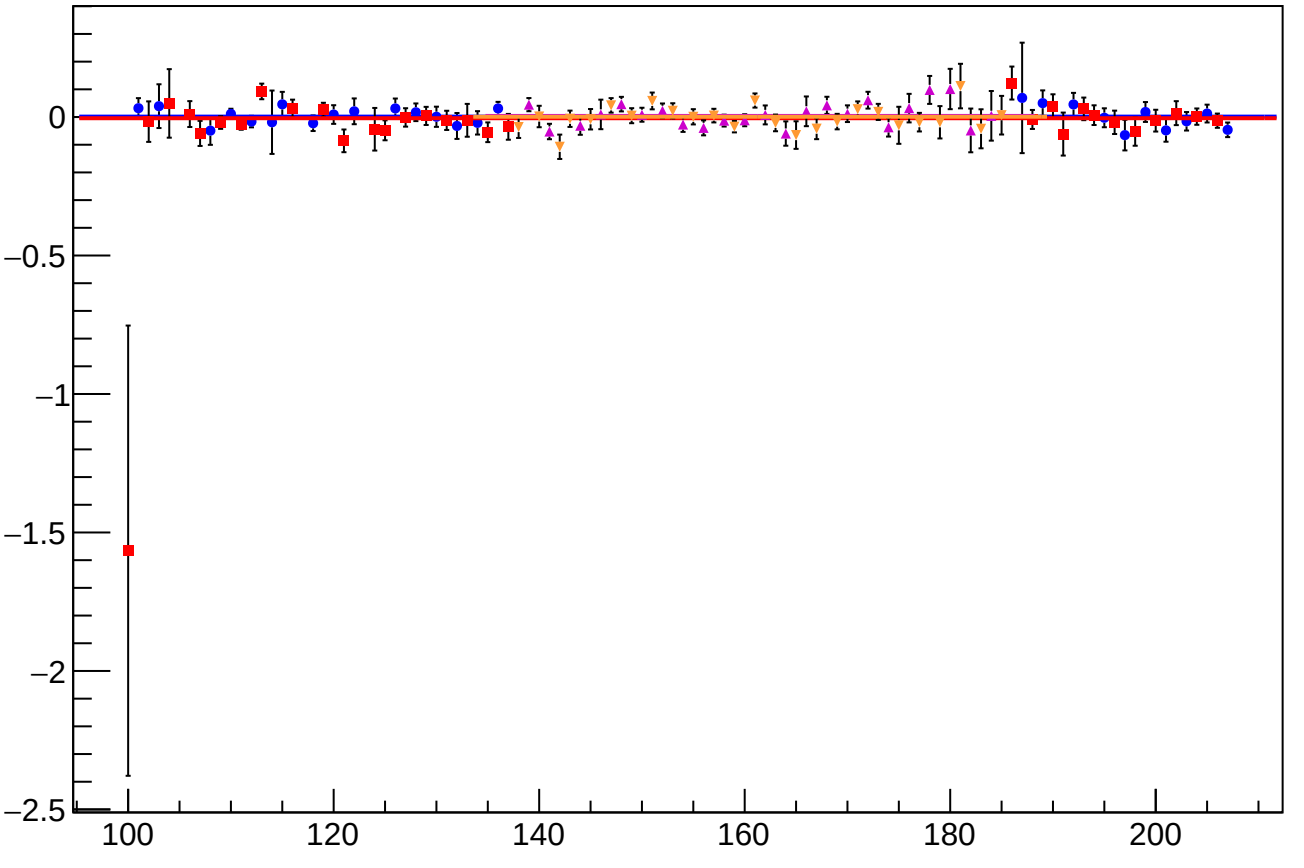
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10193852.8/56

In: 0.000+/-0.000 χ^2/NDF:10606270.1/48

Out: 0.000+/-0.000 χ^2/NDF:9149977.7/55

All: 0.000+/-0.000 χ^2/NDF: 19976076.7/104



Right In: 0.001+/-0.007 χ^2/NDF: 17.3/25

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

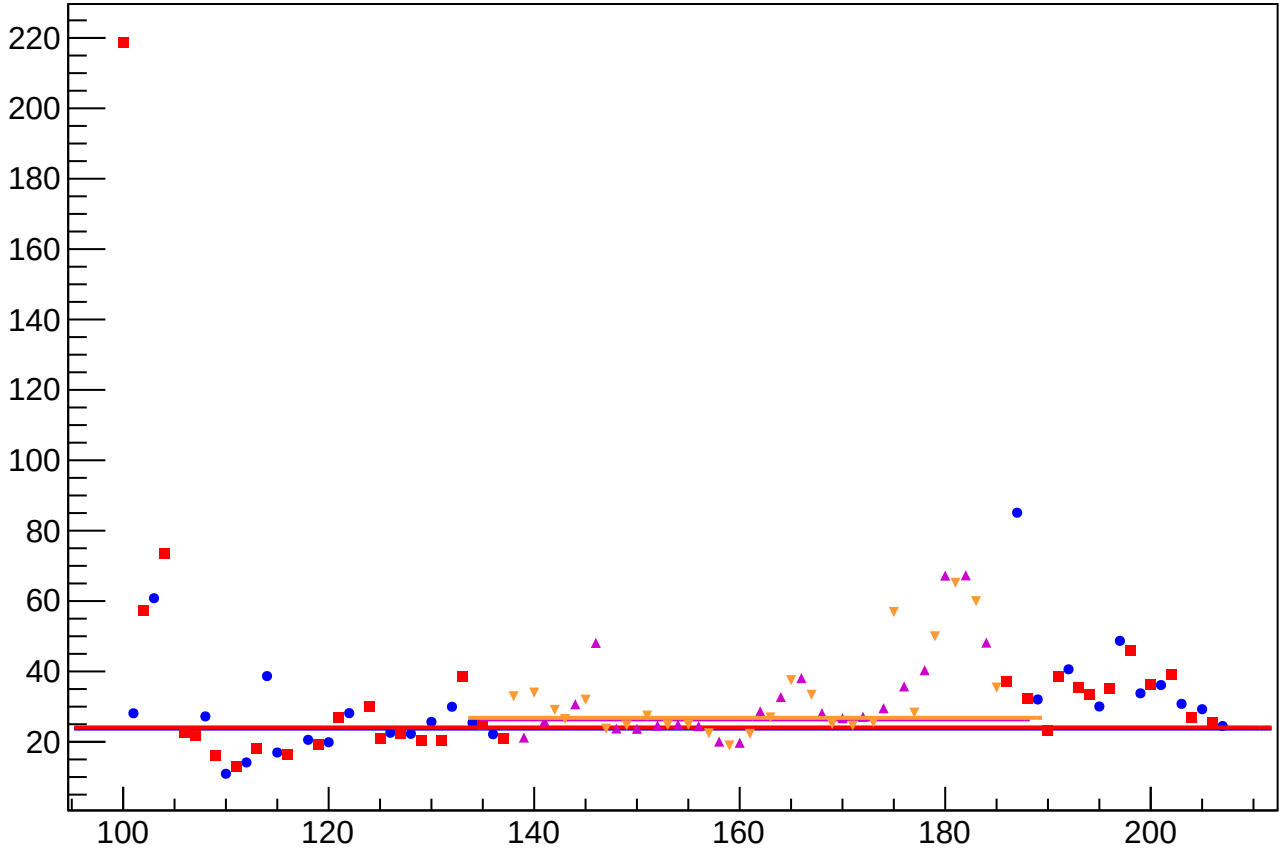
Right: -0.001+/-0.005 χ^2/NDF: 55.9/56

In: 0.003+/-0.005 χ^2/NDF:48.5/48

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: 0.001+/-0.003 χ^2/NDF: 117.8/104

asym_sam7_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.767+/-0.005 χ^2/NDF: 3606977.2/25

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

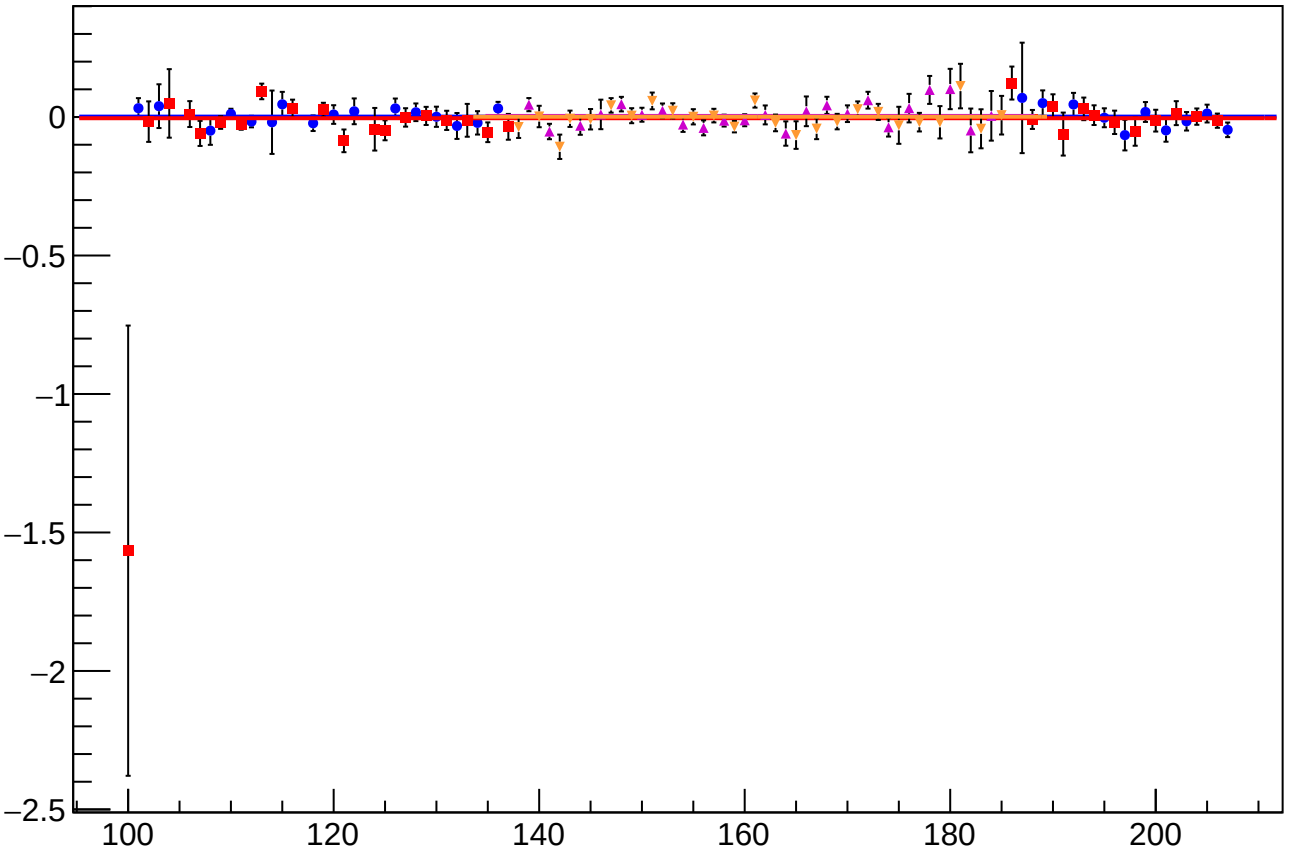
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.932+/-0.003 χ^2/NDF: 7386789.2/56

In: 25.101+/-0.003 χ^2/NDF:6325945.2/48

Out: 25.466+/-0.003 χ^2/NDF:6422790.8/55

All: 25.288+/-0.002 χ^2/NDF: 12754844.4/104



Right In: 0.001+/-0.007 χ^2/NDF: 17.3/25

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

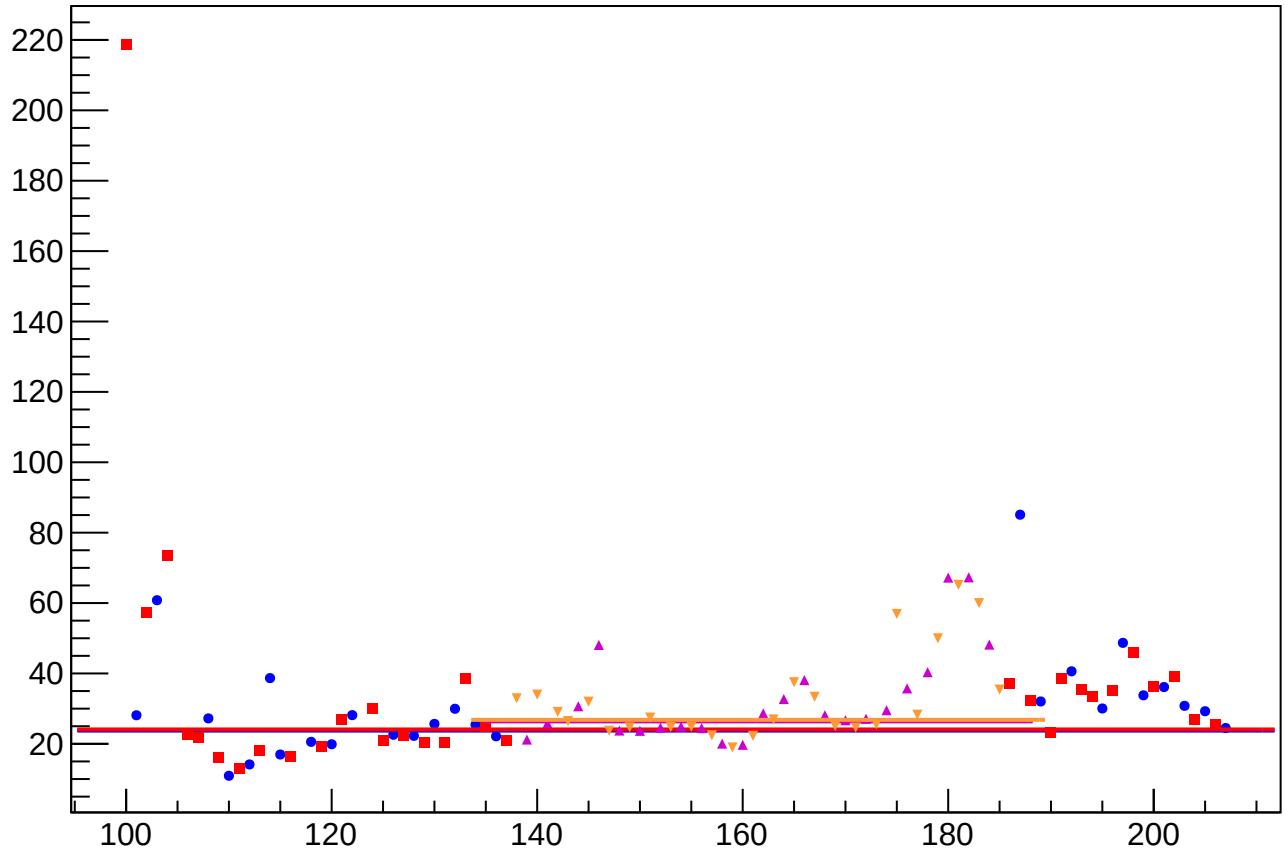
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.001+/-0.005 χ^2/NDF: 55.9/56

In: 0.003+/-0.005 χ^2/NDF:48.5/48

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: 0.001+/-0.003 χ^2/NDF: 117.8/104



Right In: 23.767+/-0.005 χ^2/NDF: 3606977.2/25

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

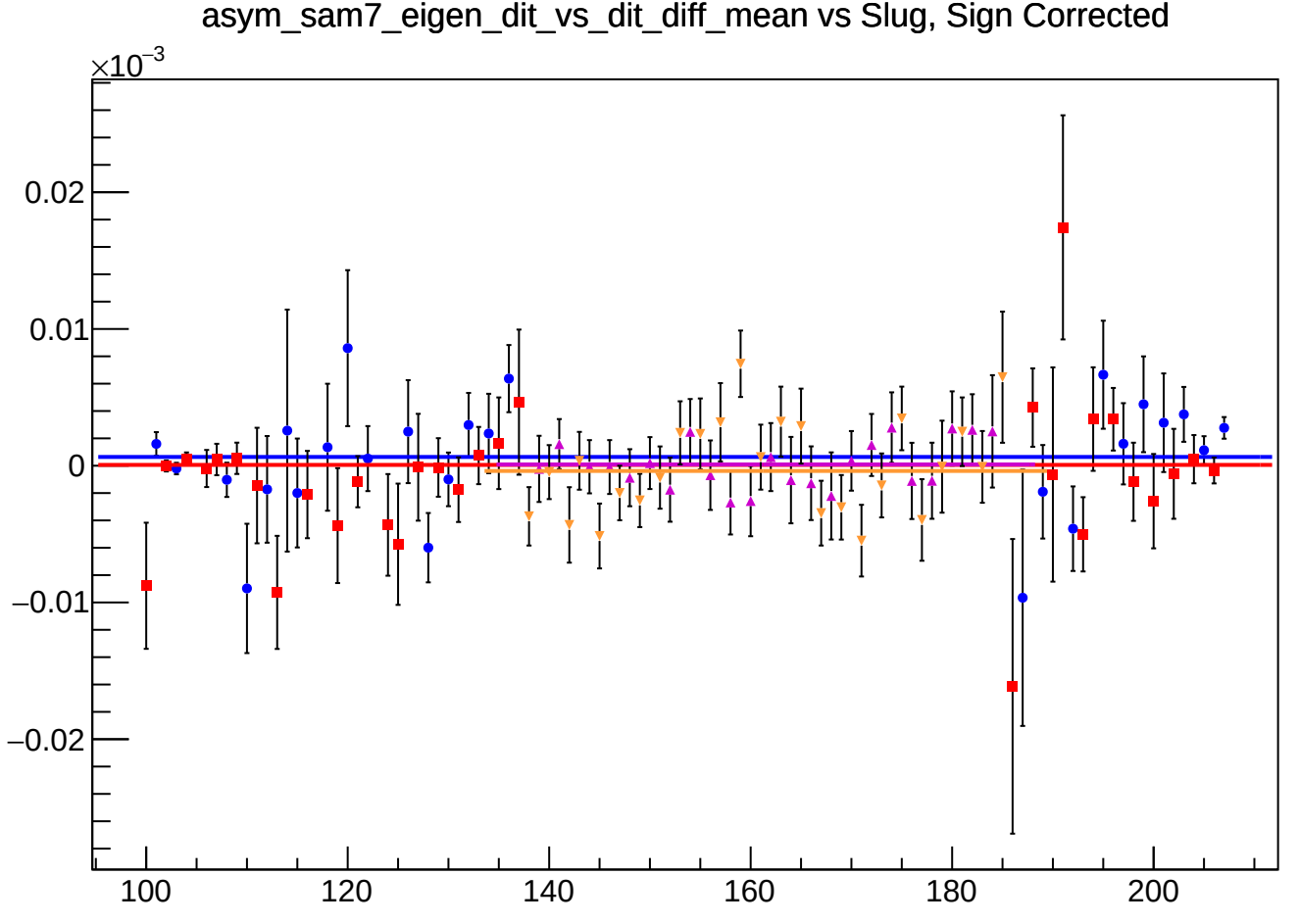
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.932+/-0.003 χ^2/NDF: 7386789.2/56

In: 25.101+/-0.003 χ^2/NDF:6325945.2/48

Out: 25.466+/-0.003 χ^2/NDF:6422790.8/55

All: 25.288+/-0.002 χ^2/NDF: 12754844.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 47.2/25

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

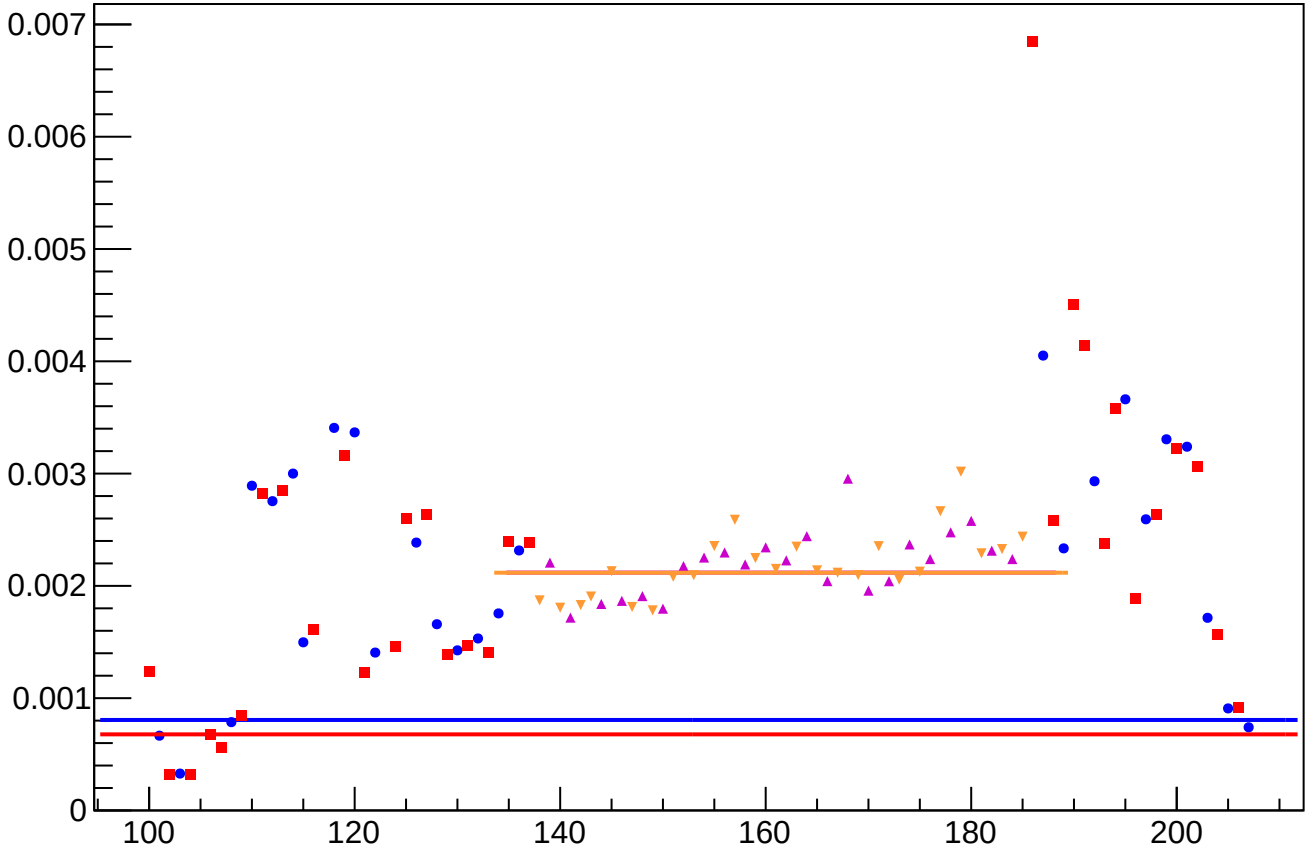
Right: 0.000+/-0.000 χ^2/NDF: 83.1/56

In: 0.000+/-0.000 χ^2/NDF:58.3/48

Out: -0.000+/-0.000 χ^2/NDF:77.2/55

All: 0.000+/-0.000 χ^2/NDF: 138.1/104

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 12512571.9/25

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

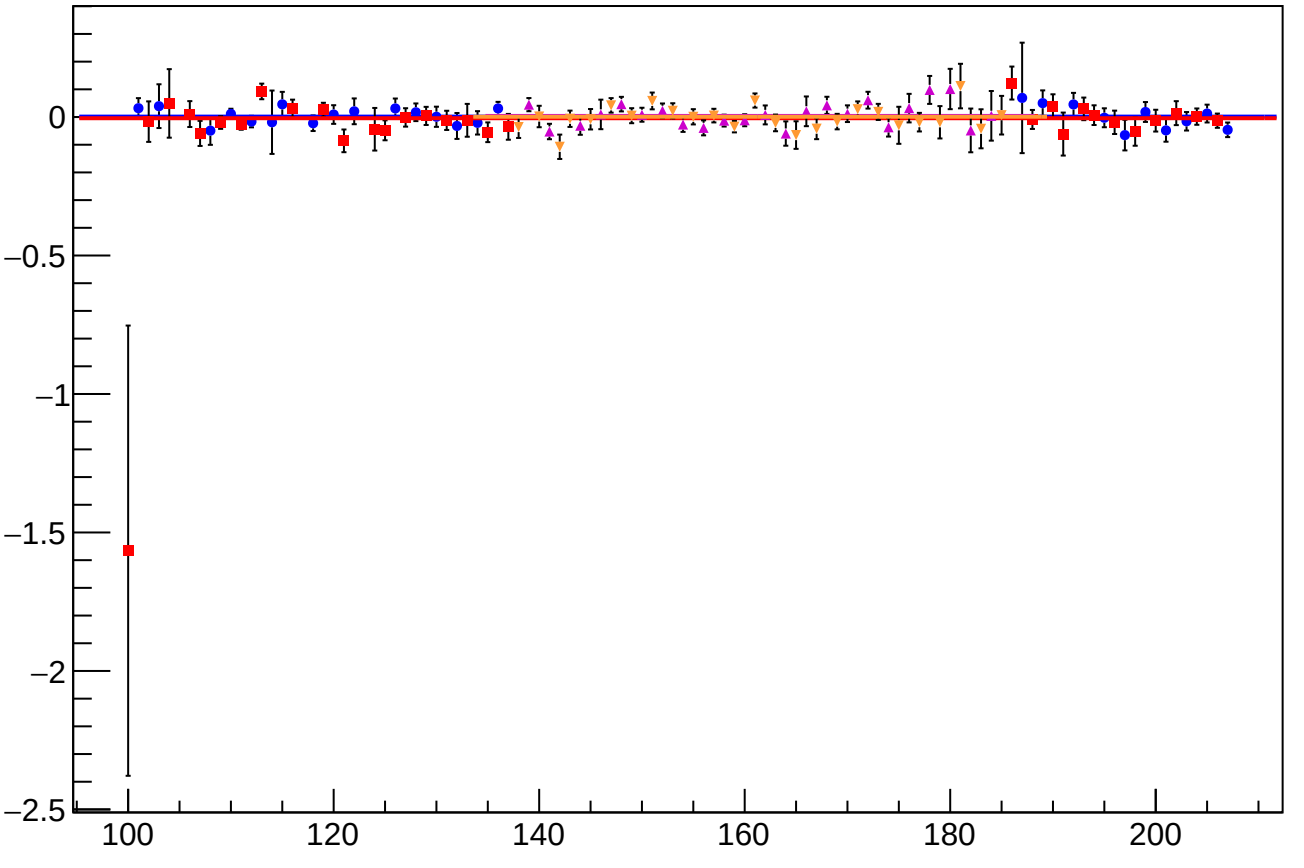
Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

Right: 0.001+/-0.000 χ^2/NDF: 28747545.9/56

In: 0.001+/-0.000 χ^2/NDF:23497075.6/48

Out: 0.001+/-0.000 χ^2/NDF:30616165.0/55

All: 0.001+/-0.000 χ^2/NDF: 54607659.5/104



Right In: 0.001+/-0.007 χ^2/NDF: 17.3/25

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

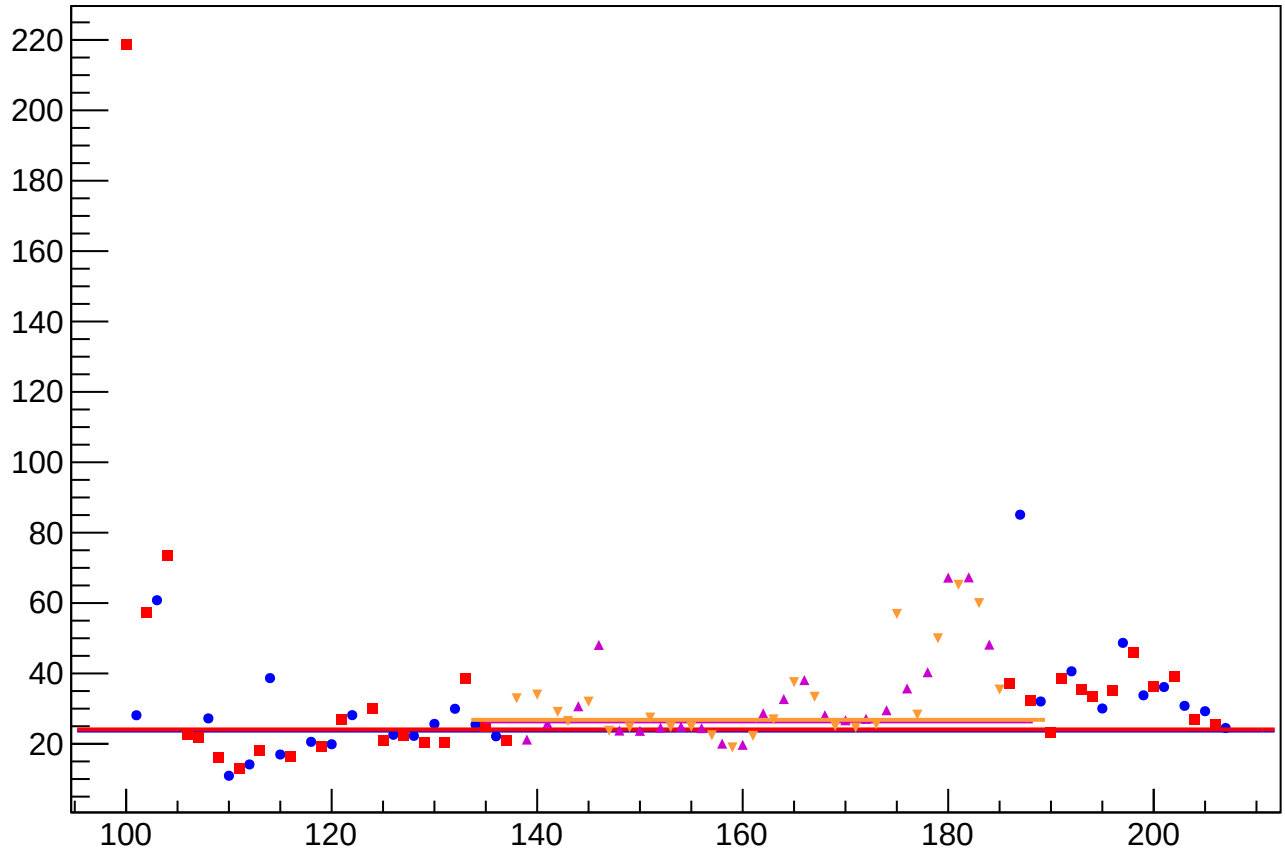
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: -0.001+/-0.005 χ^2/NDF: 55.9/56

In: 0.003+/-0.005 χ^2/NDF:48.5/48

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: 0.001+/-0.003 χ^2/NDF: 117.8/104



Right In: 23.768+/-0.005 χ^2/NDF: 3606697.5/25

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

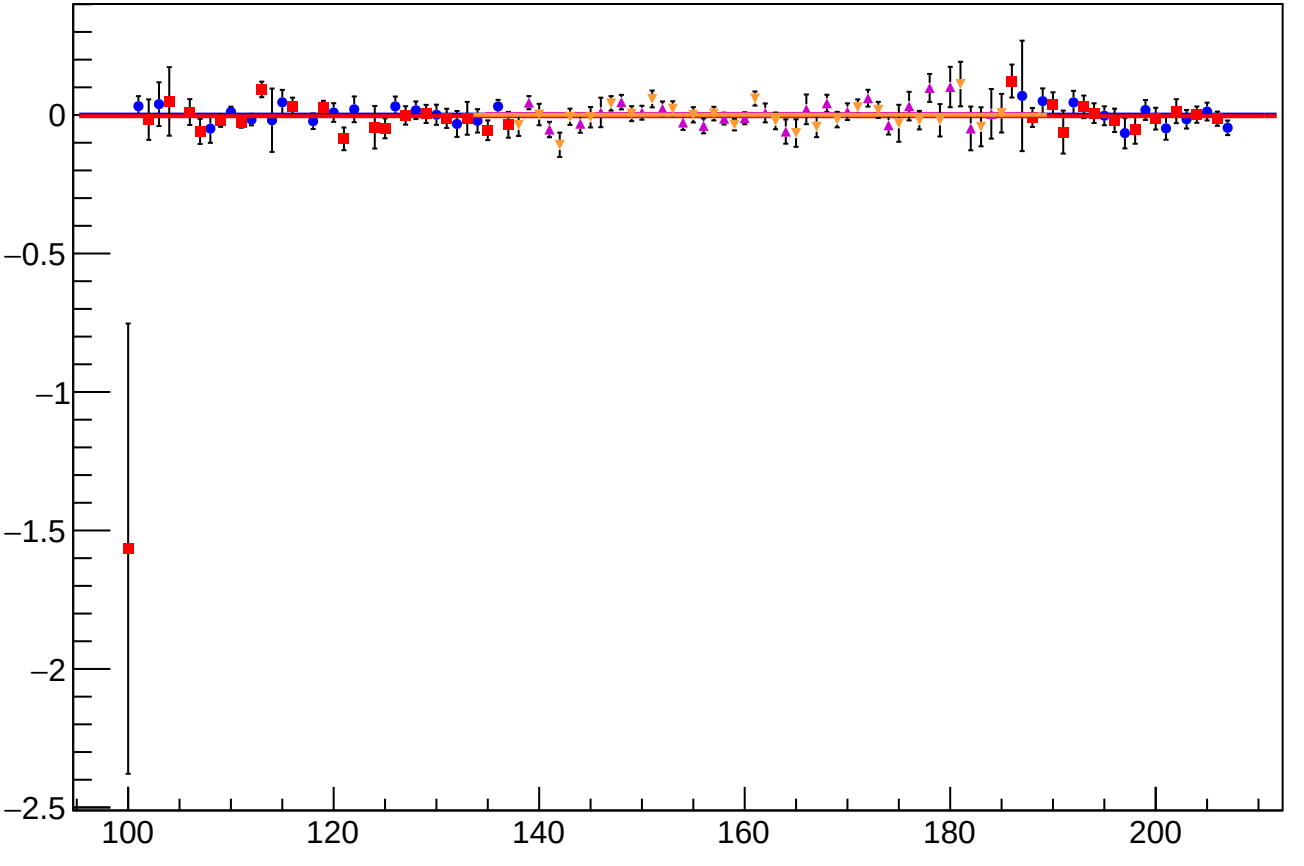
Right: 23.932+/-0.003 χ^2/NDF: 7386279.7/56

In: 25.102+/-0.003 χ^2/NDF:6325688.1/48

Out: 25.466+/-0.003 χ^2/NDF:6422608.3/55

All: 25.288+/-0.002 χ^2/NDF: 12754398.7/104

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.007 χ^2/NDF: 17.3/25

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

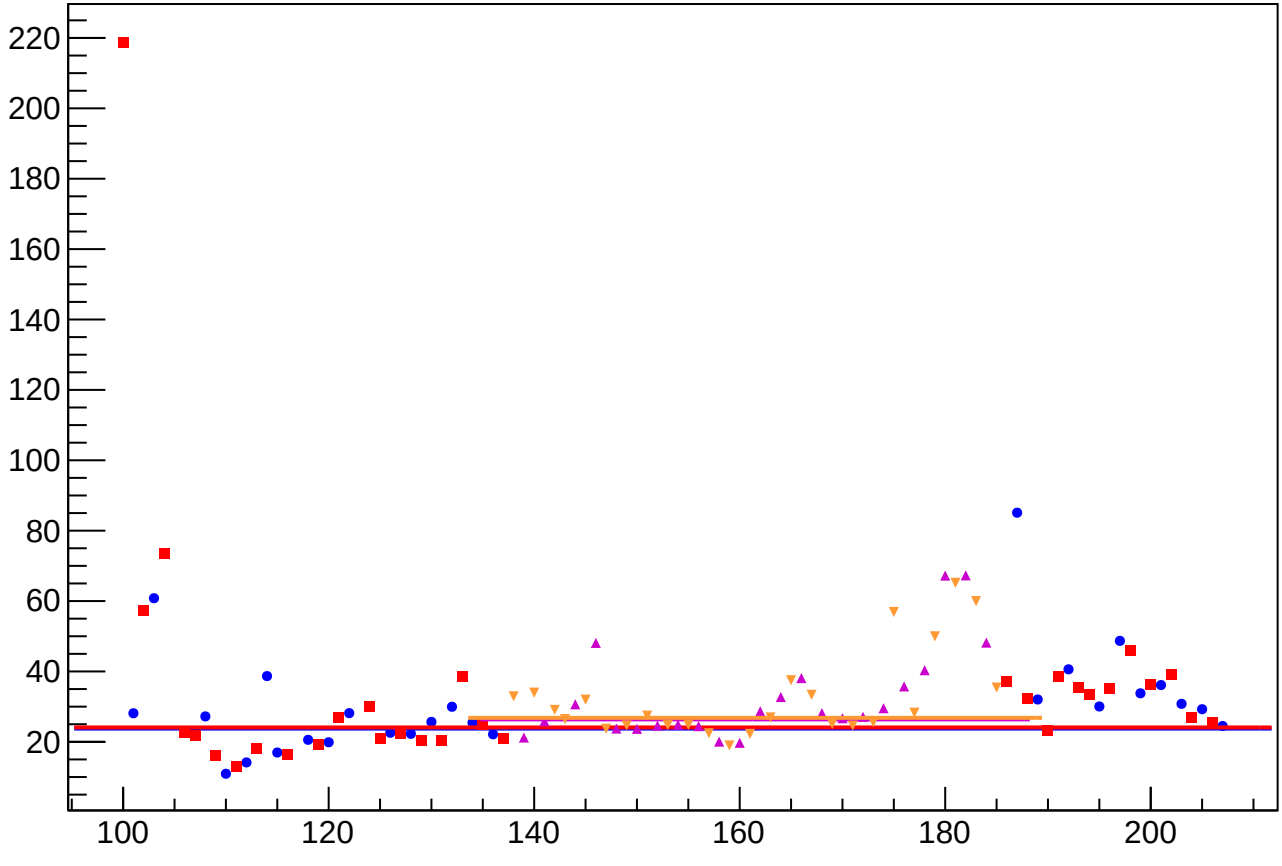
Right: -0.001+/-0.005 χ^2/NDF: 55.9/56

In: 0.003+/-0.005 χ^2/NDF:48.5/48

Out: -0.002+/-0.005 χ^2/NDF:68.9/55

All: 0.001+/-0.003 χ^2/NDF: 117.8/104

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.768+/-0.005 χ^2/NDF: 3606697.5/25

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

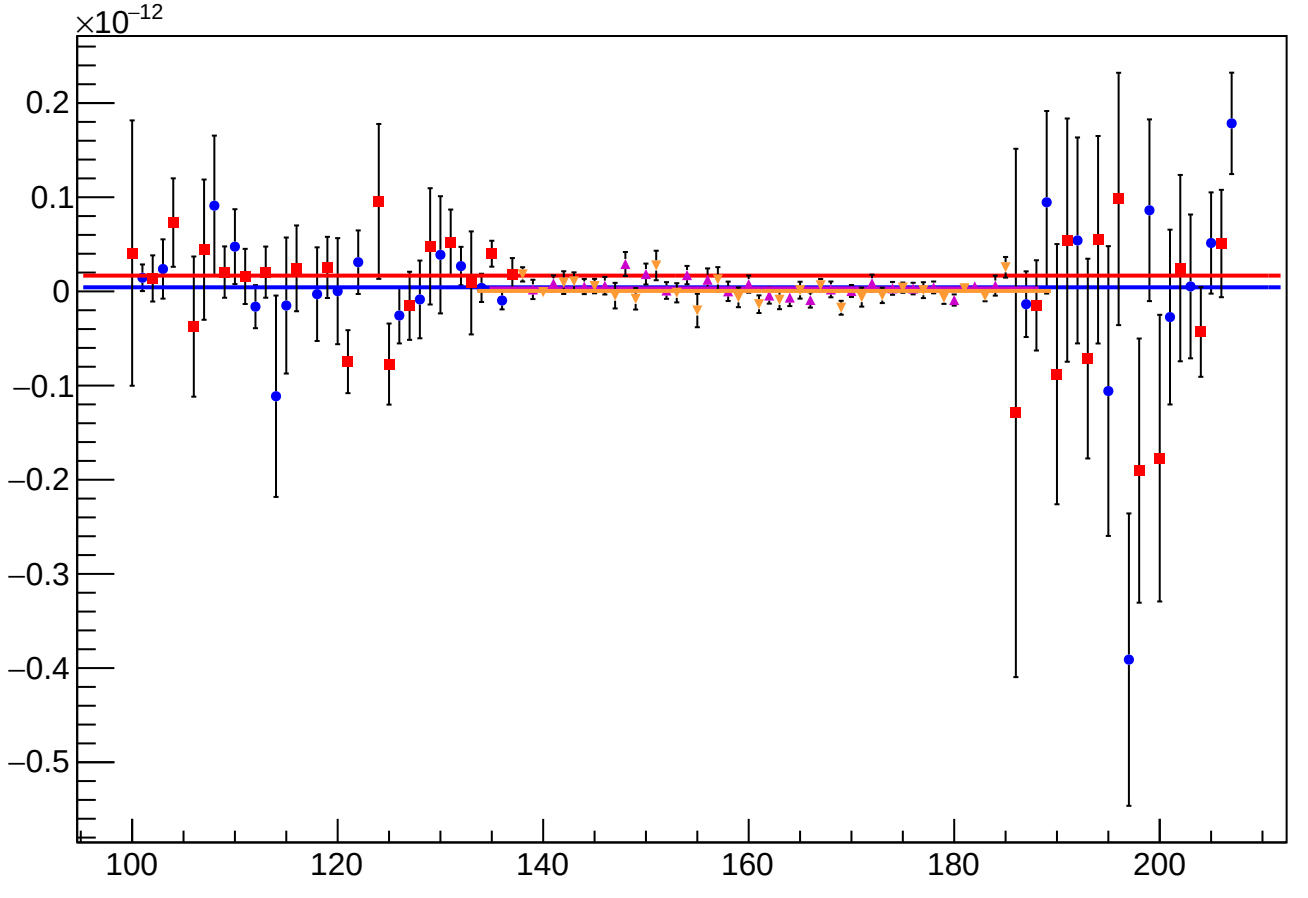
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.932+/-0.003 χ^2/NDF: 7386279.7/56

In: 25.102+/-0.003 χ^2/NDF:6325688.1/48

Out: 25.466+/-0.003 χ^2/NDF:6422608.3/55

All: 25.288+/-0.002 χ^2/NDF: 12754398.7/104



Right In: 0.000+/-0.000 χ^2/NDF: 31.4/25

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

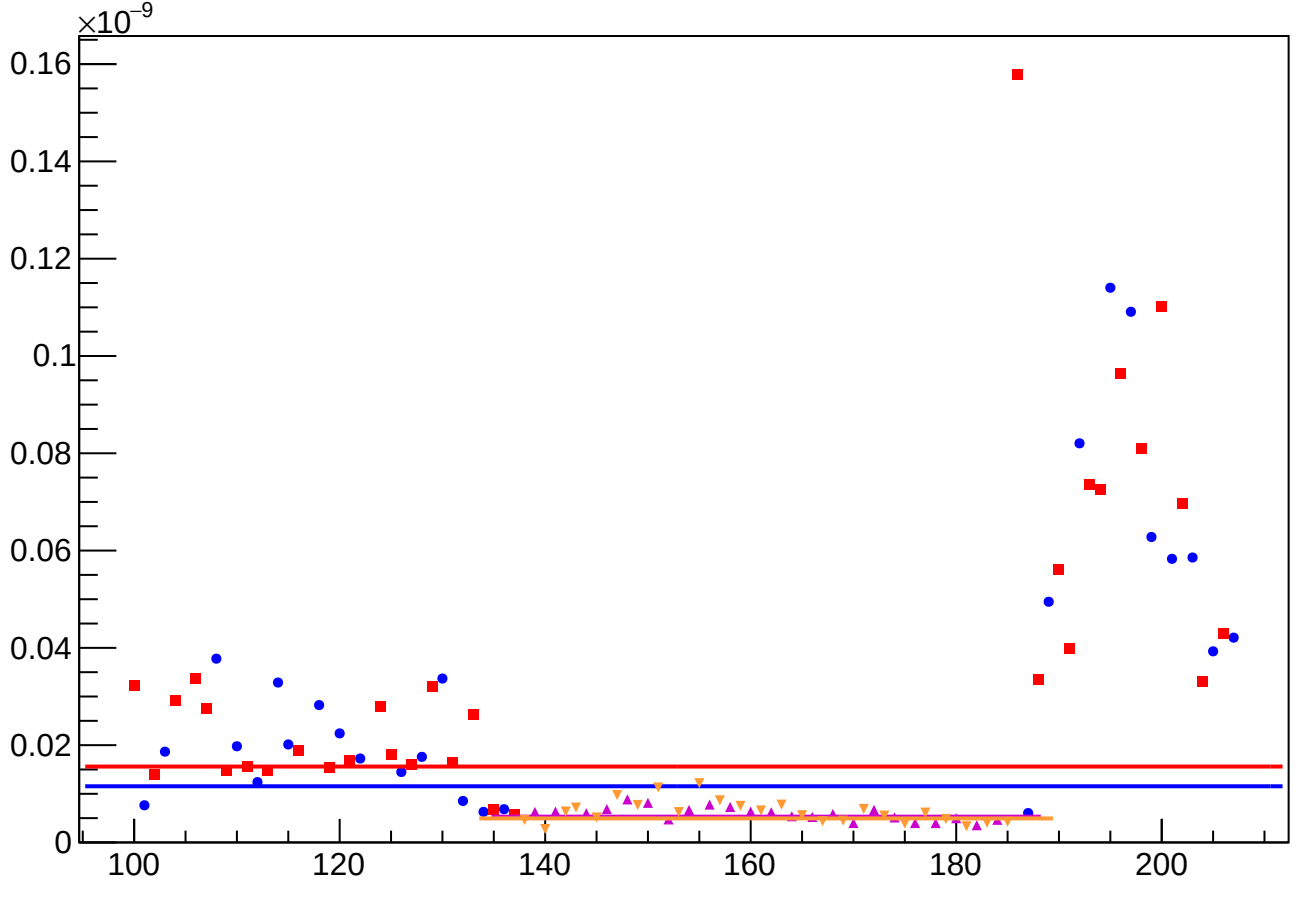
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 62.0/56

In: 0.000+/-0.000 χ^2/NDF:50.5/48

Out: 0.000+/-0.000 χ^2/NDF:66.7/55

All: 0.000+/-0.000 χ^2/NDF: 118.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 8030437.3/25

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

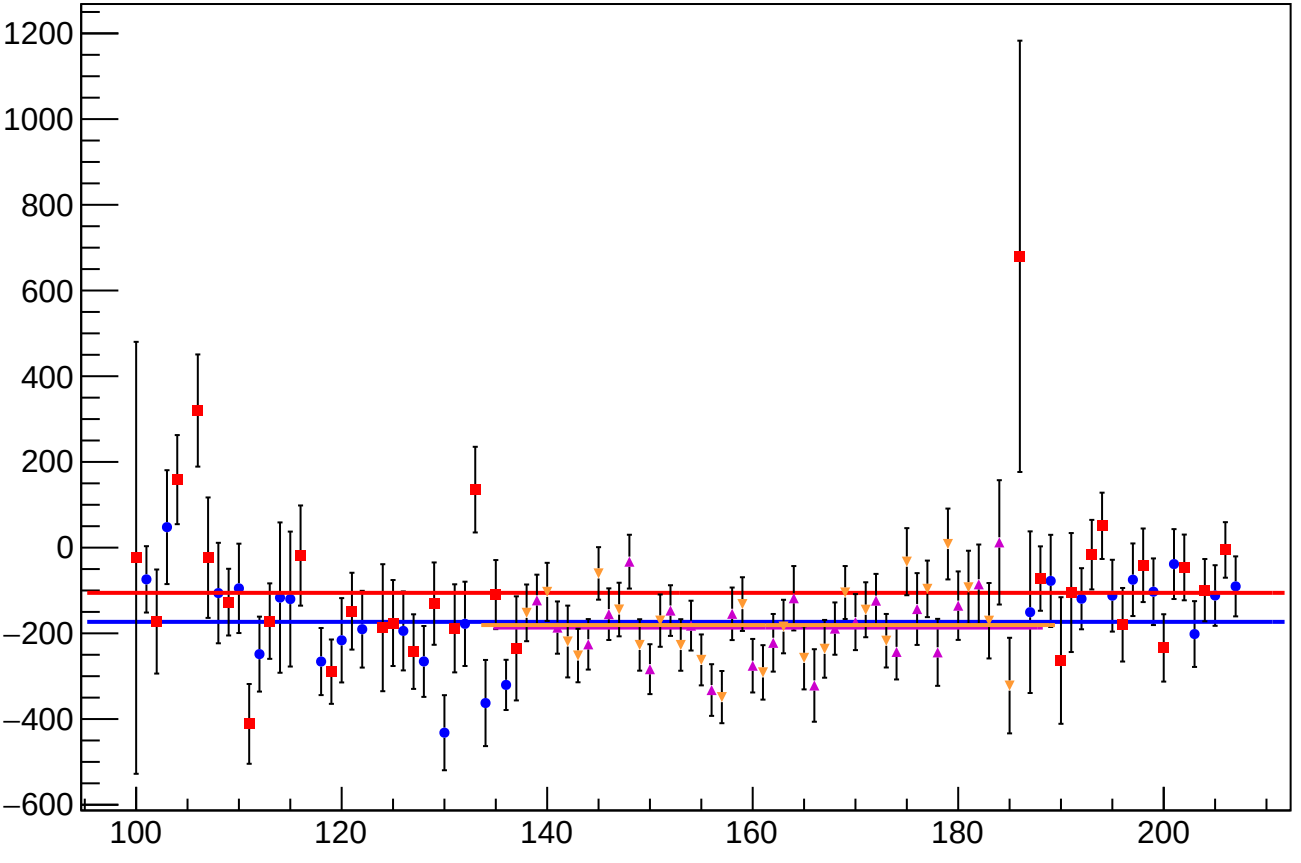
Right: 0.000+/-0.000 χ^2/NDF: 16010877.9/56

In: 0.000+/-0.000 χ^2/NDF:11624508.9/48

Out: 0.000+/-0.000 χ^2/NDF:15005516.1/55

All: 0.000+/-0.000 χ^2/NDF: 26678256.9/104

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -173.211+/-17.268 χ^2/NDF: 36.9/25

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

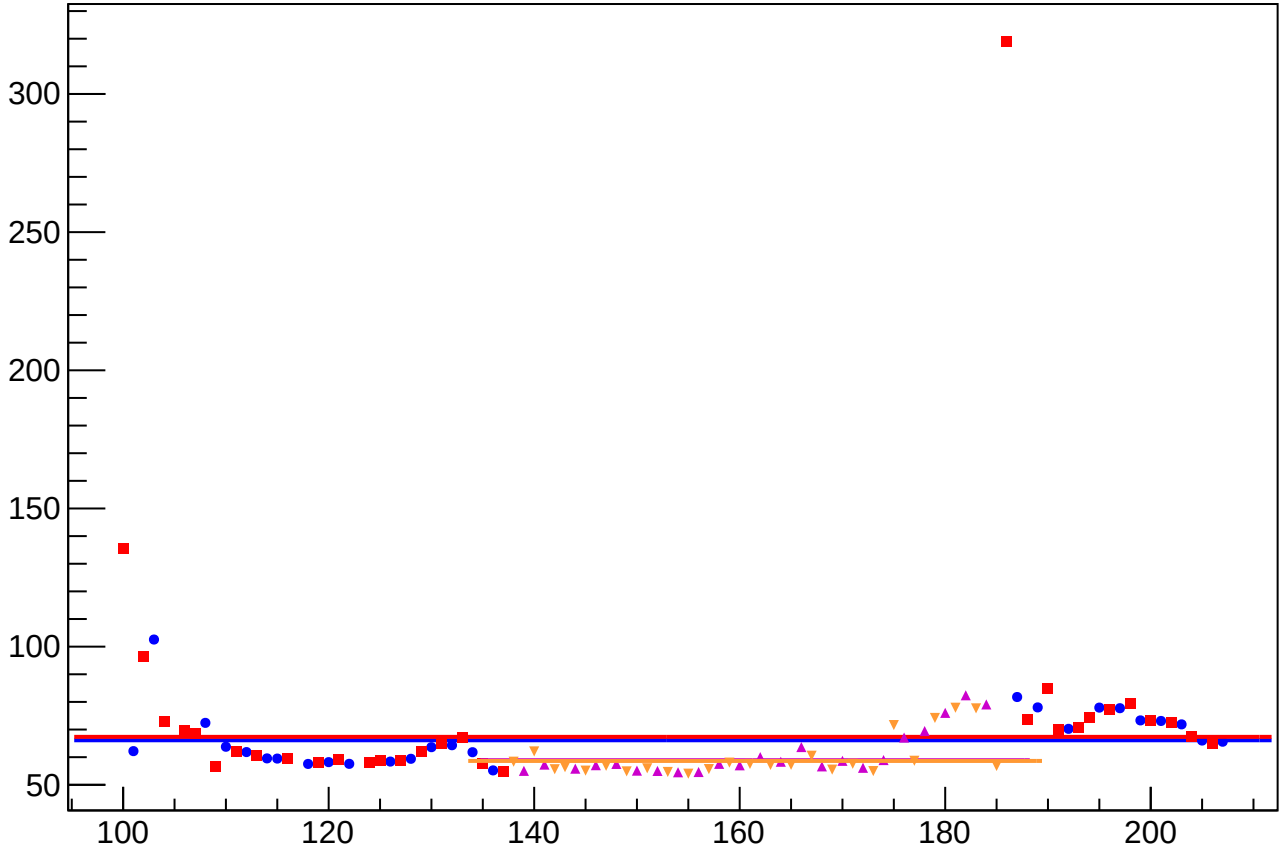
Right: -138.699+/-12.090 χ^2/NDF: 107.6/56

In: -181.334+/-10.809 χ^2/NDF:66.2/48

Out: -151.688+/-10.517 χ^2/NDF:113.6/55

All: -166.105+/-7.538 χ^2/NDF: 183.7/104

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.121+/-0.012 χ^2/NDF: 496471.7/25

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

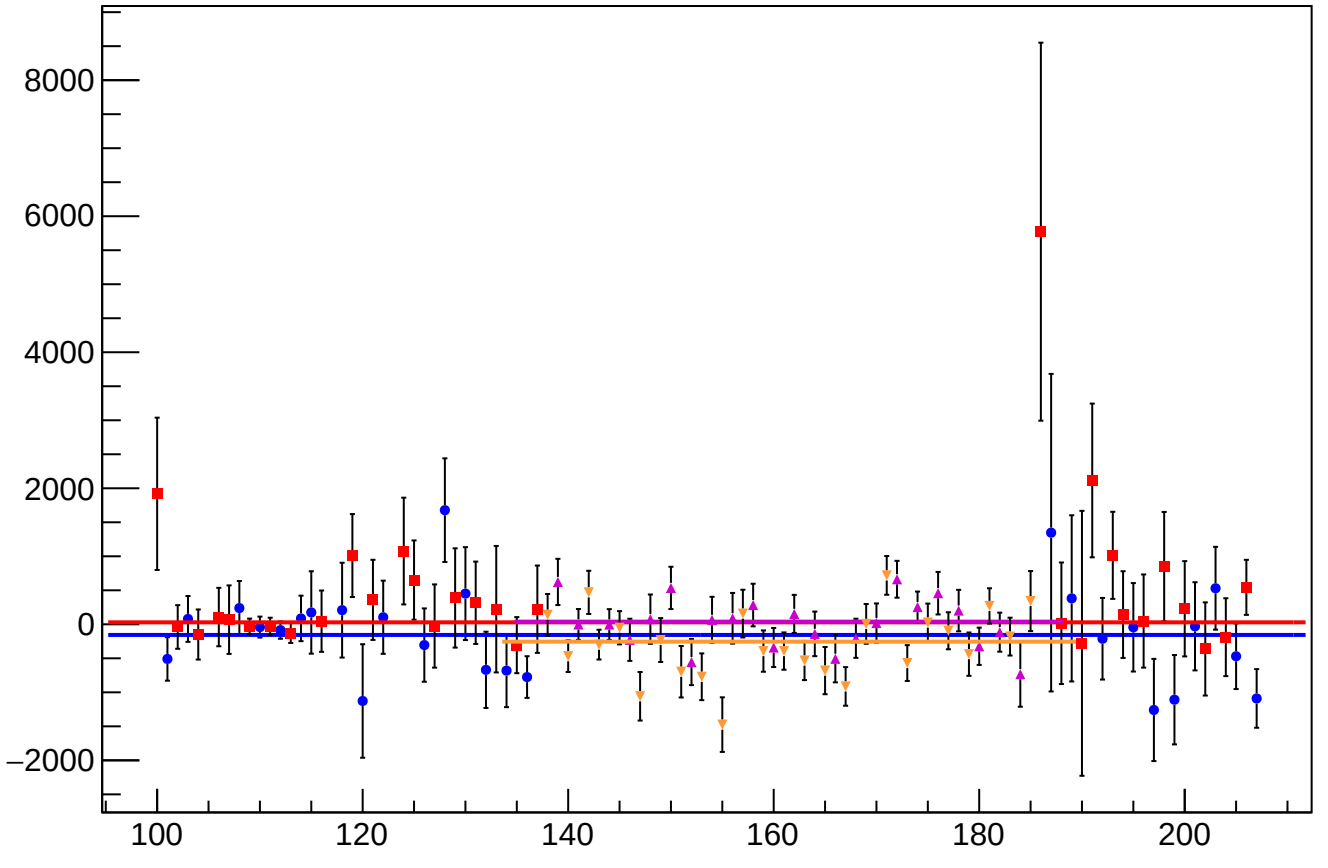
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.748+/-0.009 χ^2/NDF: 1522642.4/56

In: 61.733+/-0.008 χ^2/NDF:1095612.3/48

Out: 62.002+/-0.007 χ^2/NDF:1739693.4/55

All: 61.871+/-0.005 χ^2/NDF: 2835945.0/104



Right In: -156.211+/-71.245 χ^2/NDF: 30.1/25

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

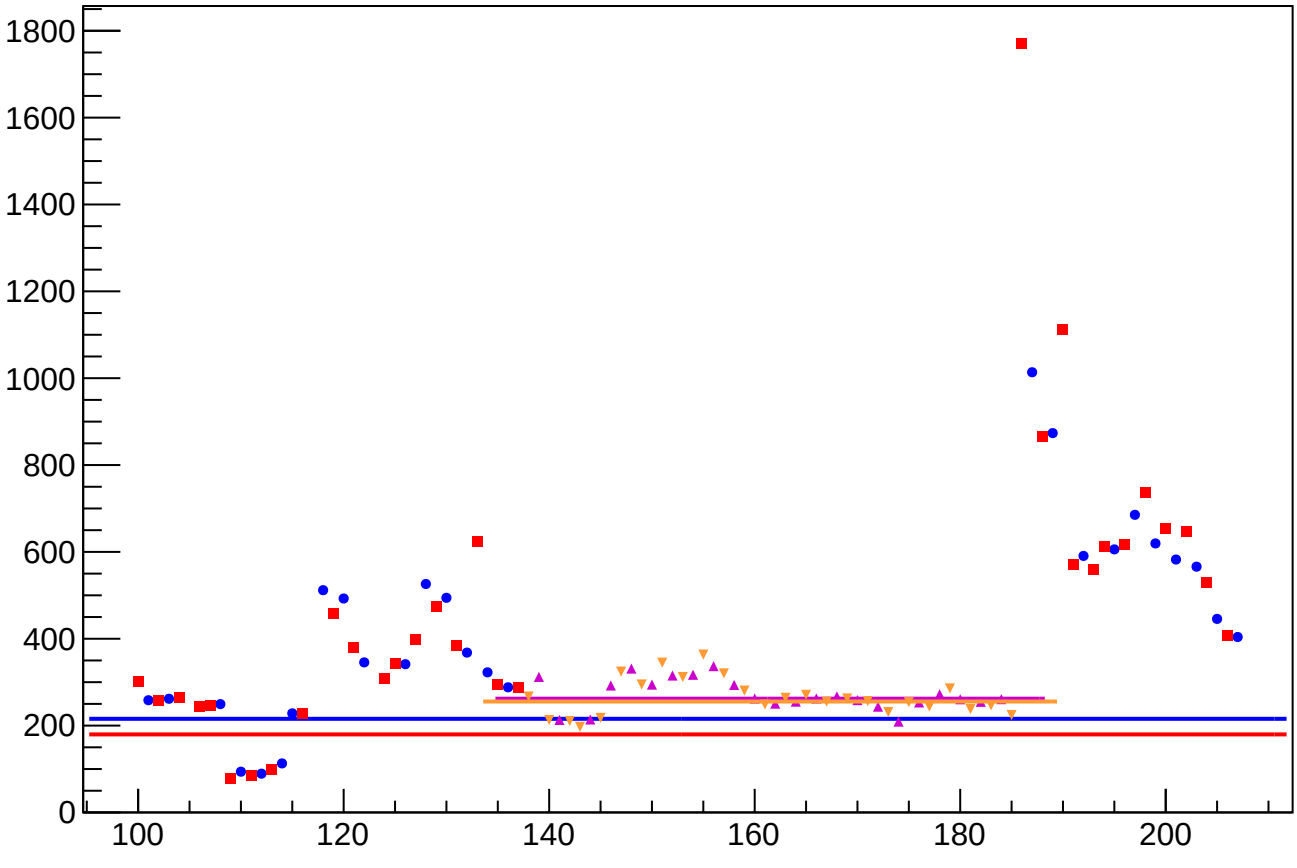
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -49.232+/-46.324 χ^2/NDF: 59.3/56

In: -44.861+/-46.720 χ^2/NDF:62.8/48

Out: -117.714+/-42.353 χ^2/NDF:94.1/55

All: -84.850+/-31.379 χ^2/NDF: 158.2/104



Right In: 215.619+/-0.050 χ^2/NDF: 11307726.6/25

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

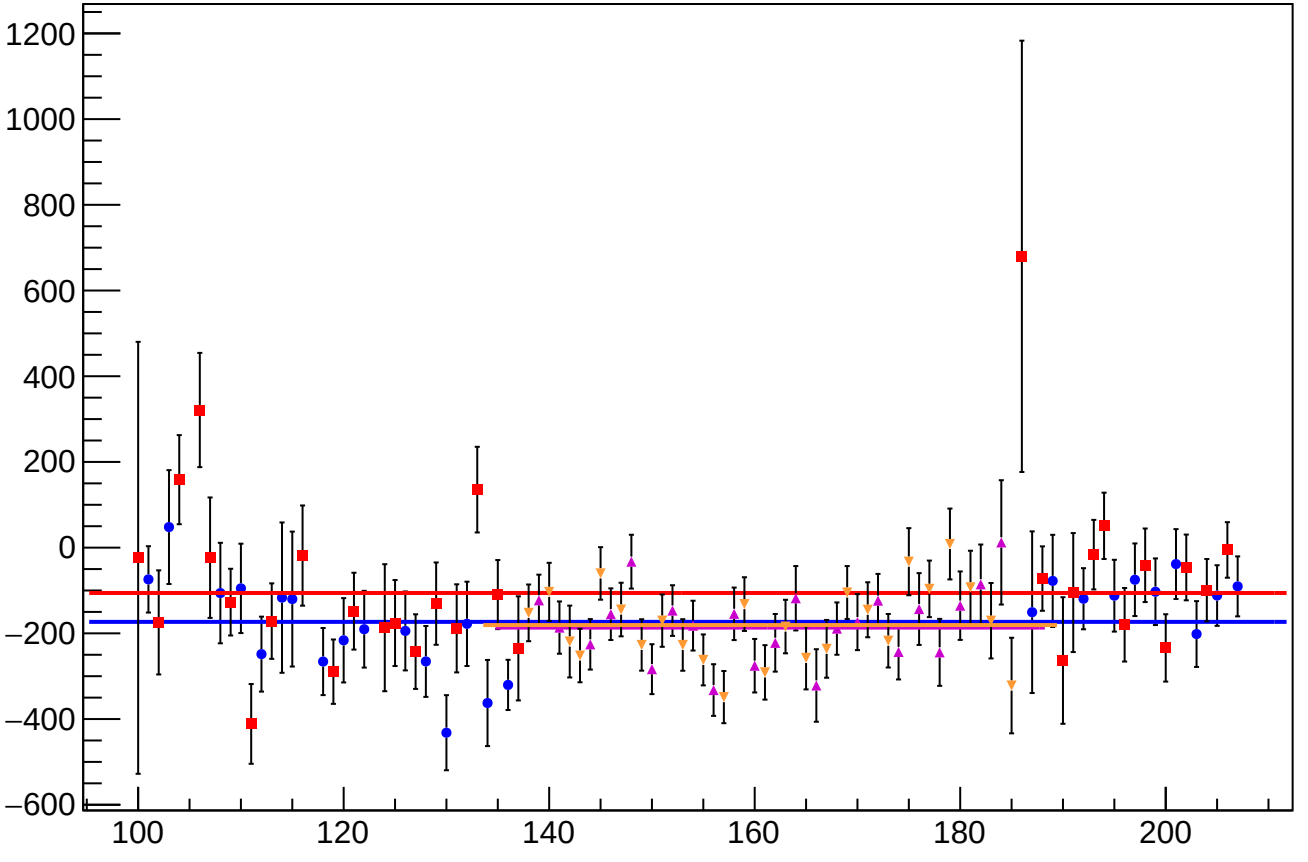
Right: 194.903+/-0.033 χ^2/NDF: 26703373.6/56

In: 242.059+/-0.033 χ^2/NDF:12461585.4/48

Out: 218.924+/-0.030 χ^2/NDF:17563541.9/55

All: 229.360+/-0.022 χ^2/NDF: 30294321.9/10

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -173.210+/-17.268 χ^2/NDF: 36.9/25

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

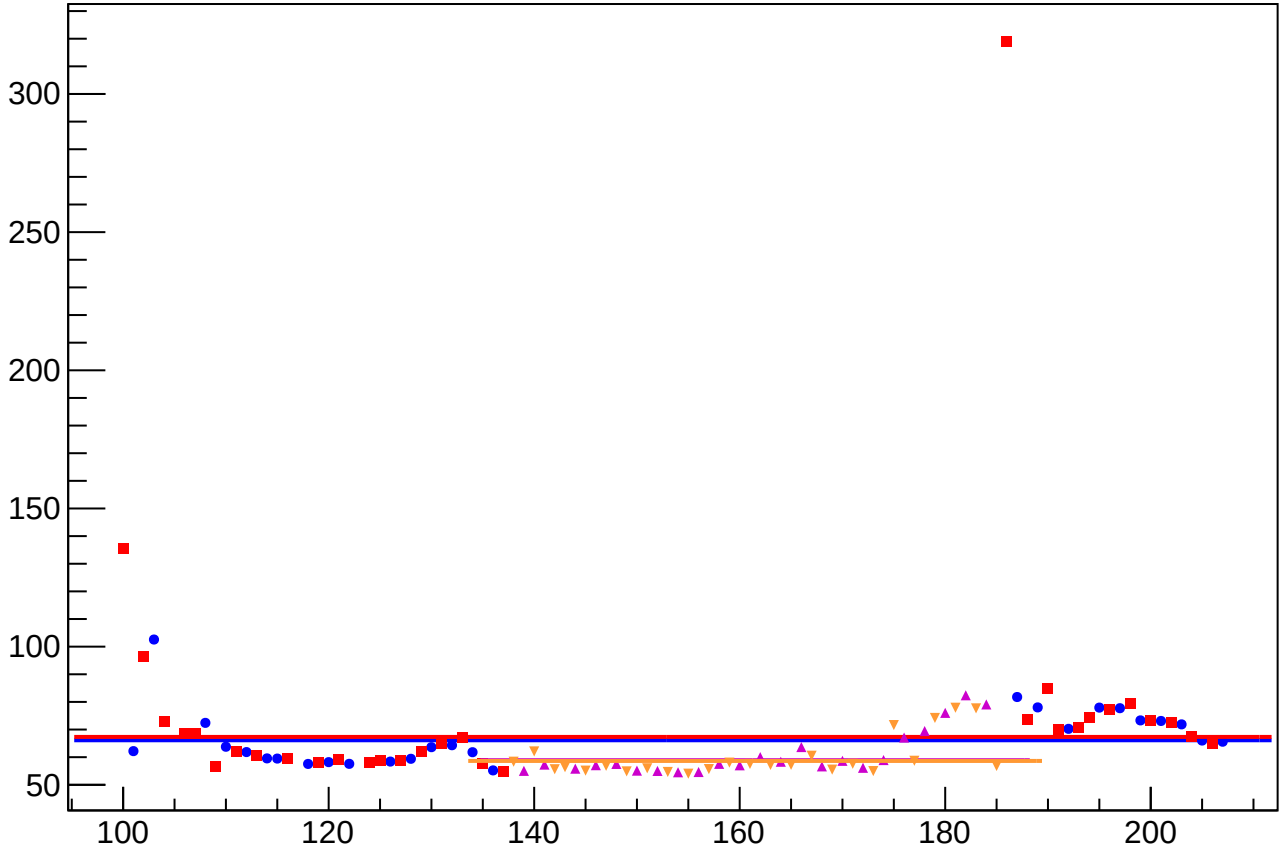
Right: -138.849+/-12.092 χ^2/NDF: 107.2/56

In: -181.334+/-10.809 χ^2/NDF:66.2/48

Out: -151.802+/-10.518 χ^2/NDF:113.2/55

All: -166.165+/-7.538 χ^2/NDF: 183.3/104

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.121+/-0.012 χ^2/NDF: 496474.1/25

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

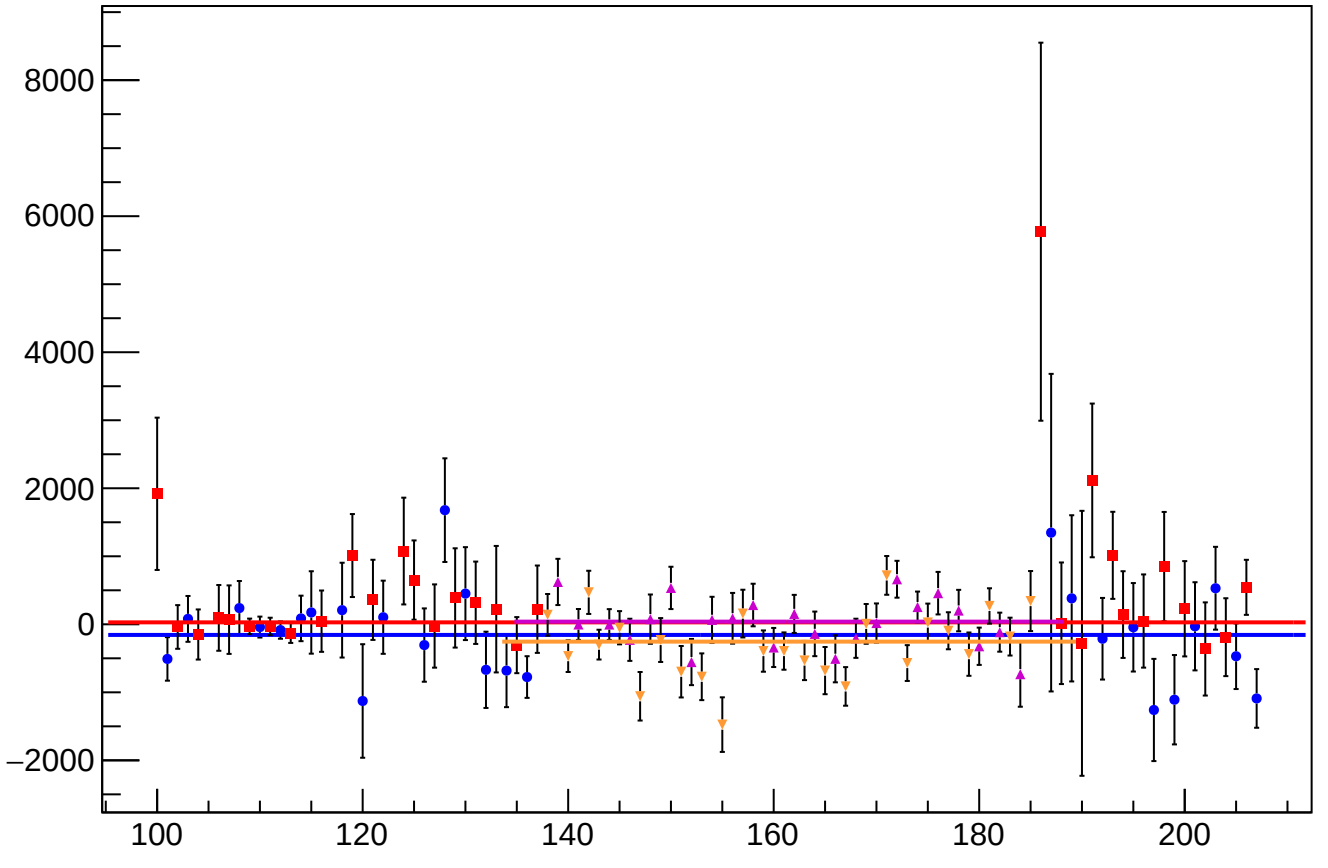
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.737+/-0.009 χ^2/NDF: 1522199.1/56

In: 61.733+/-0.008 χ^2/NDF:1095614.9/48

Out: 61.994+/-0.007 χ^2/NDF:1737806.9/55

All: 61.867+/-0.005 χ^2/NDF: 2834019.2/104



Right In: -156.195+/-71.246 χ^2/NDF: 30.1/25

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

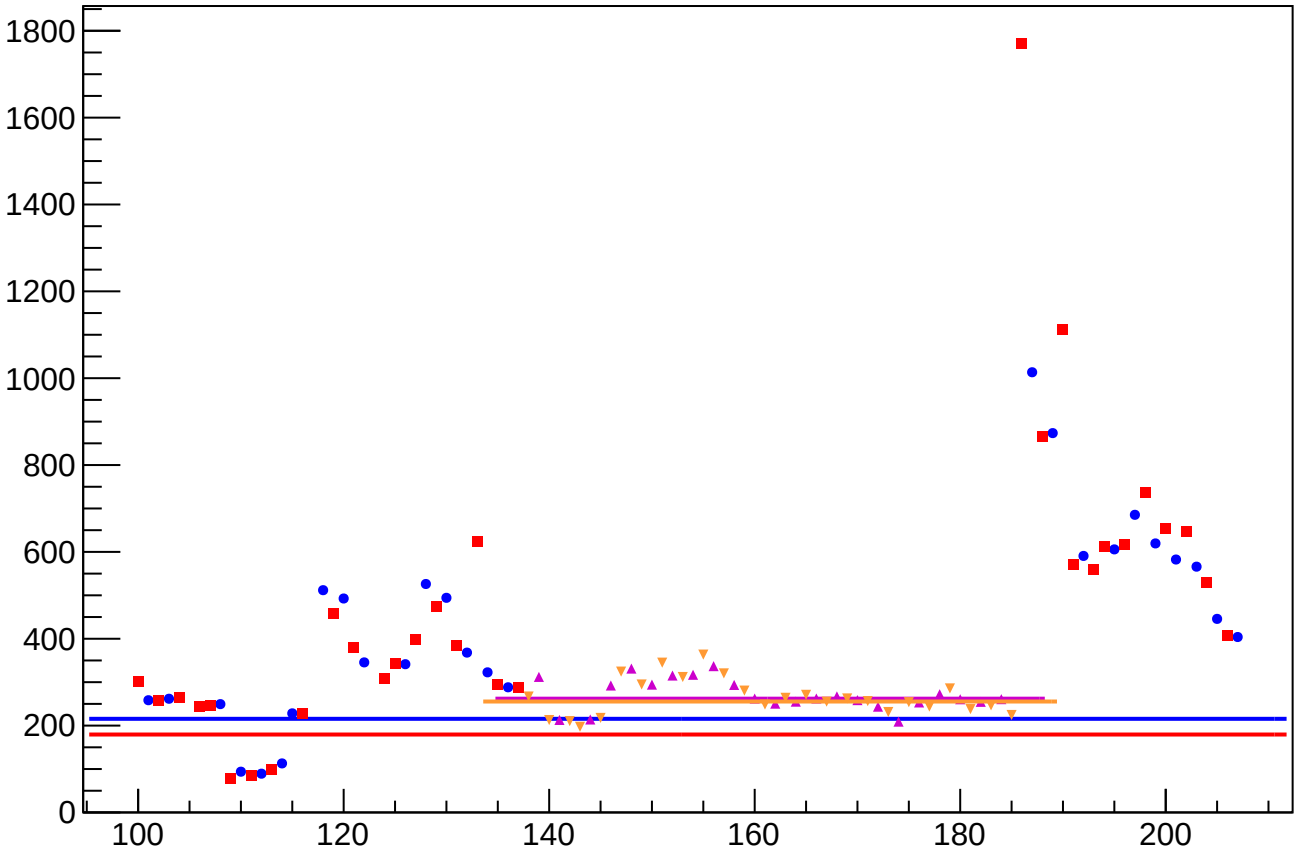
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -49.714+/-46.382 χ^2/NDF: 59.2/56

In: -44.855+/-46.720 χ^2/NDF:62.8/48

Out: -118.264+/-42.397 χ^2/NDF:94.0/55

All: -85.112+/-31.397 χ^2/NDF: 158.1/104



Right In: 215.619+/-0.050 χ^2/NDF: 11307764.4/25

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

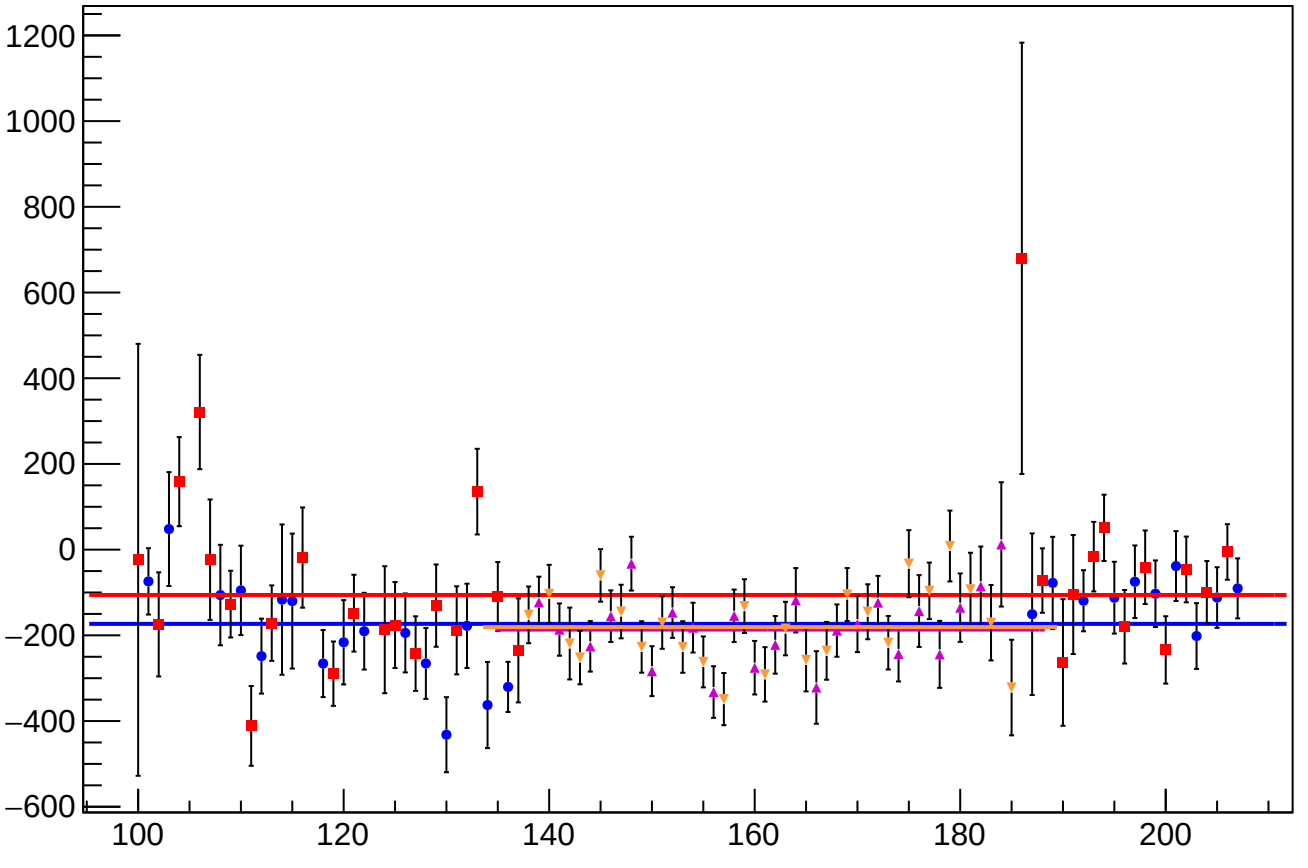
Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

Right: 194.786+/-0.033 χ^2/NDF: 26698615.9/56

In: 242.059+/-0.033 χ^2/NDF:12461605.3/48

Out: 218.876+/-0.030 χ^2/NDF:17562672.1/55

All: 229.346+/-0.022 χ^2/NDF: 30294357.0/10



Right In: -173.210+/-17.268 χ^2/NDF: 36.9/25

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

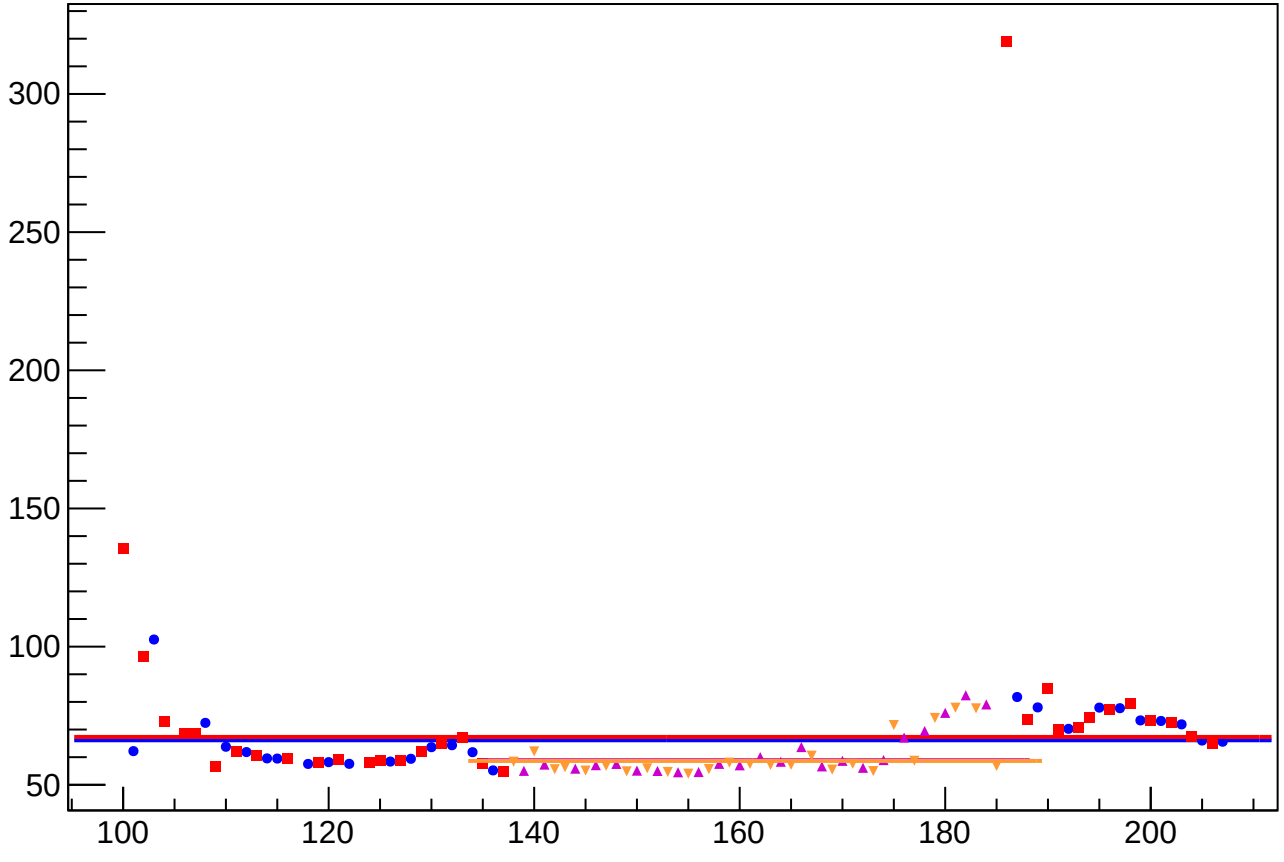
Right: -138.849+/-12.092 χ^2/NDF: 107.2/56

In: -181.334+/-10.809 χ^2/NDF:66.2/48

Out: -151.802+/-10.518 χ^2/NDF:113.2/55

All: -166.165+/-7.538 χ^2/NDF: 183.3/104

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.121+/-0.012 χ^2/NDF: 496474.1/25

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

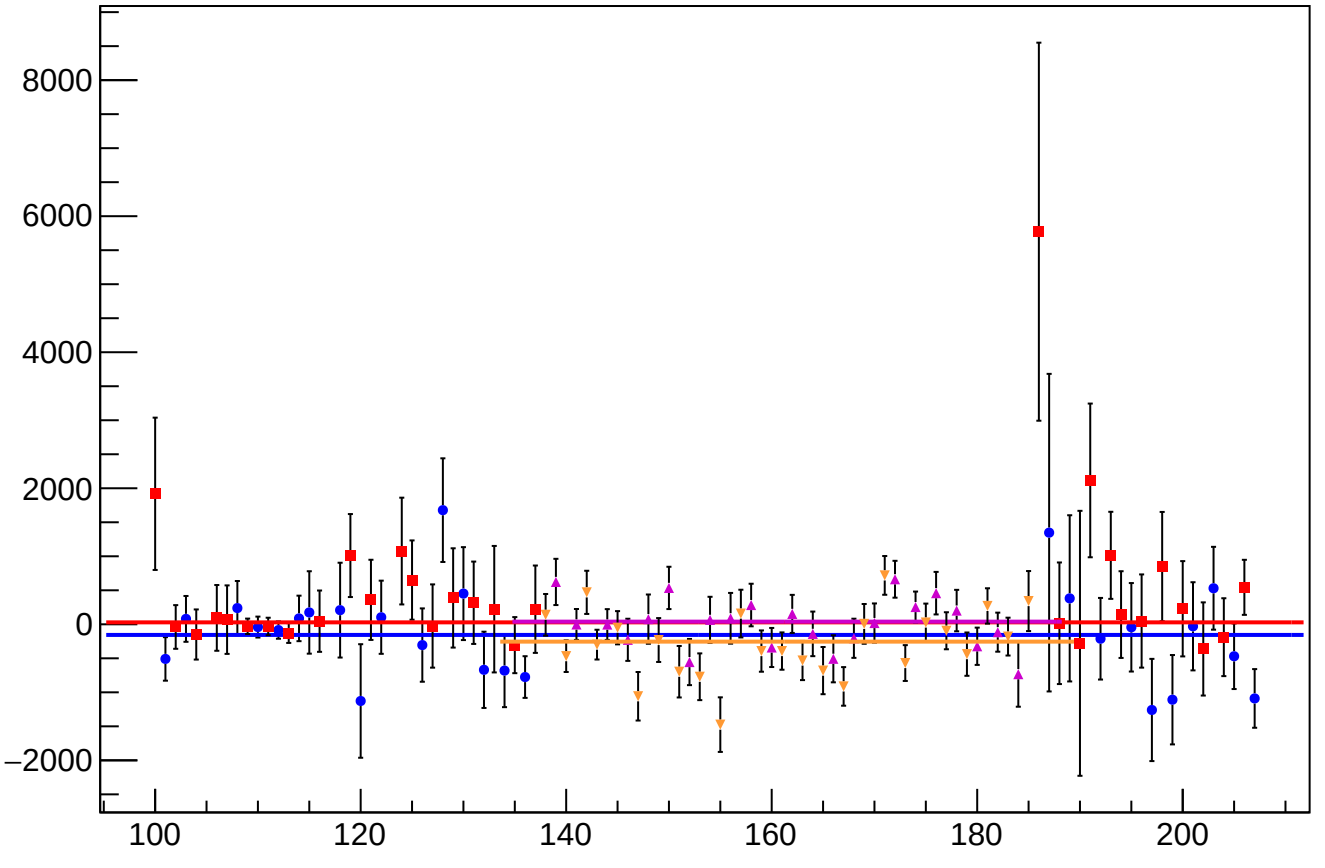
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

Right: 66.737+/-0.009 χ^2/NDF: 1522199.1/56

In: 61.733+/-0.008 χ^2/NDF:1095614.9/48

Out: 61.994+/-0.007 χ^2/NDF:1737806.9/55

All: 61.867+/-0.005 χ^2/NDF: 2834019.2/104



Right In: -156.195+/-71.246 χ^2/NDF: 30.1/25

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

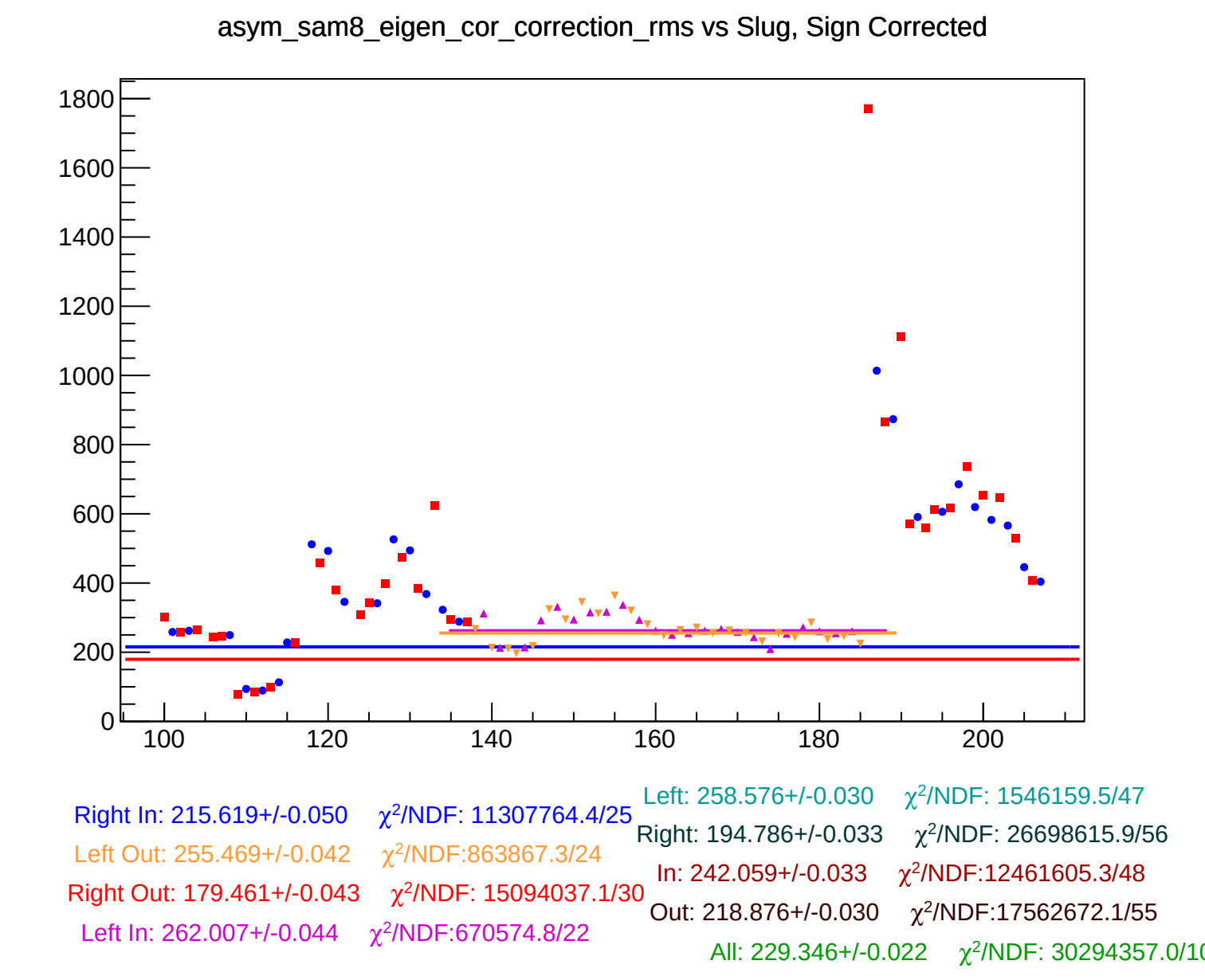
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -49.714+/-46.382 χ^2/NDF: 59.2/56

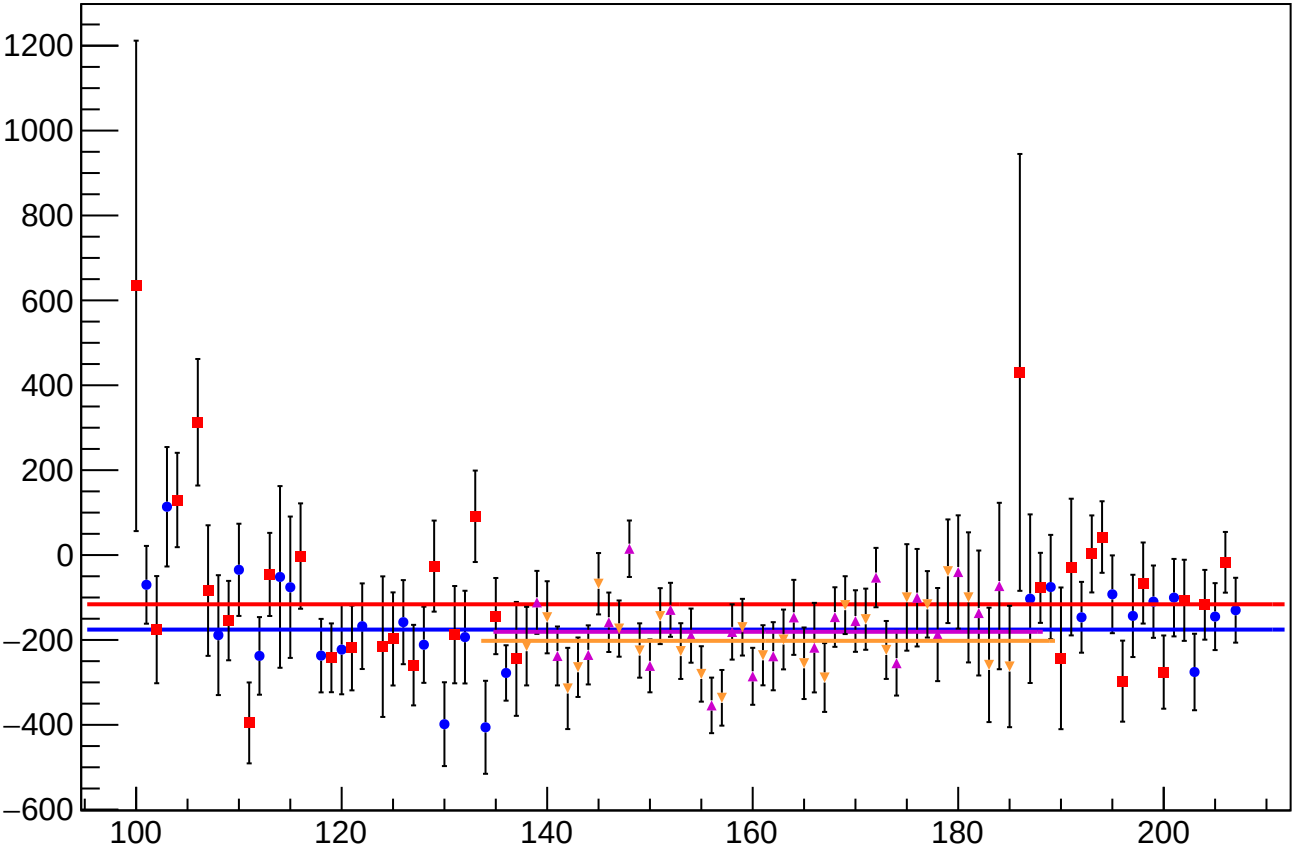
In: -44.855+/-46.720 χ^2/NDF:62.8/48

Out: -118.264+/-42.397 χ^2/NDF:94.0/55

All: -85.112+/-31.397 χ^2/NDF: 158.1/104


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: 215.619+/-0.050 χ²/NDF: 11307764.4/25
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: 194.786+/-0.033 χ²/NDF: 26698615.9/56
In: 242.059+/-0.033 χ²/NDF:12461605.3/48
Out: 218.876+/-0.030 χ²/NDF:17562672.1/55
All: 229.346+/-0.022 χ²/NDF: 30294357.0/10

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -175.589+/-19.213 χ^2/NDF: 26.2/25

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

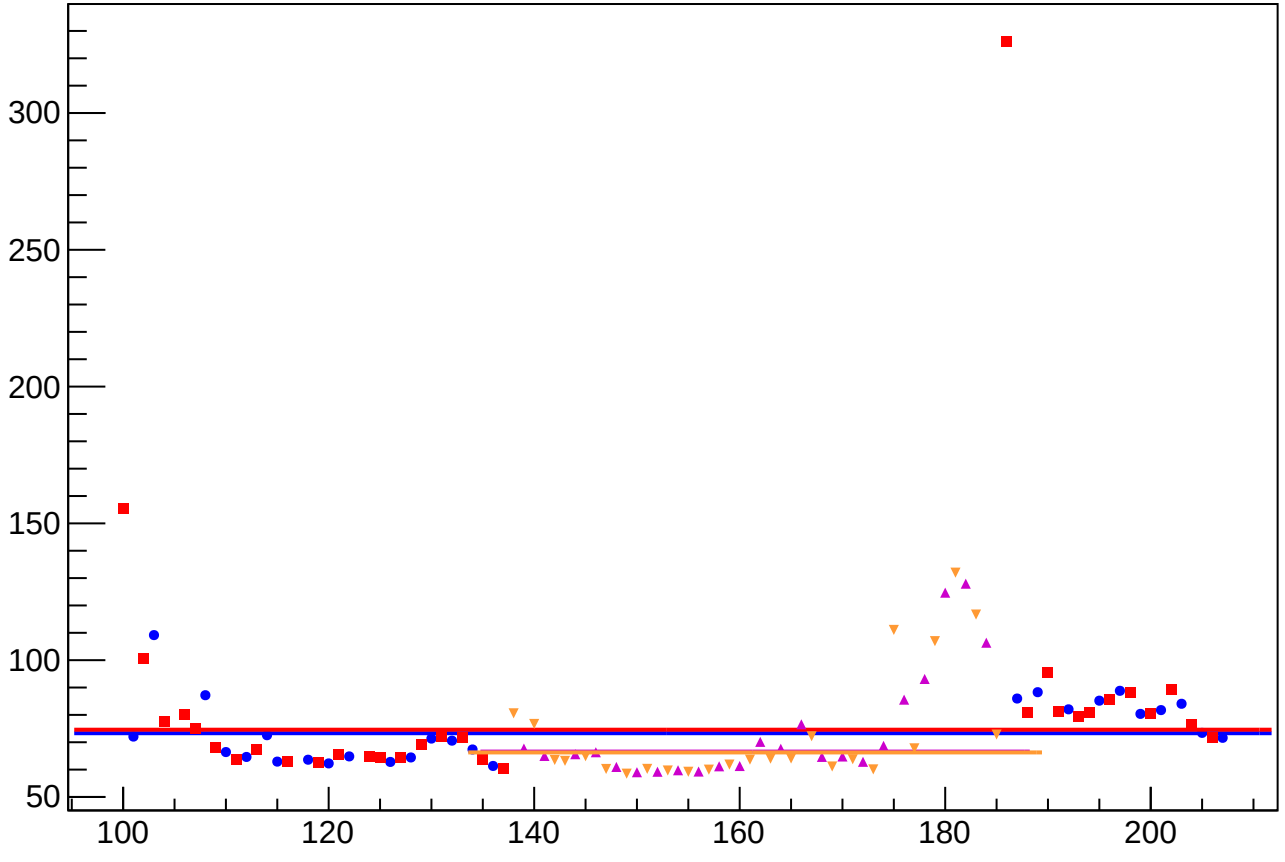
Right: -145.113+/-13.432 χ^2/NDF: 85.5/56

In: -178.654+/-12.304 χ^2/NDF:56.3/48

Out: -167.108+/-11.973 χ^2/NDF:88.4/55

All: -172.723+/-8.581 χ^2/NDF: 145.2/104

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.302+/-0.014 χ^2/NDF: 566919.9/25

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

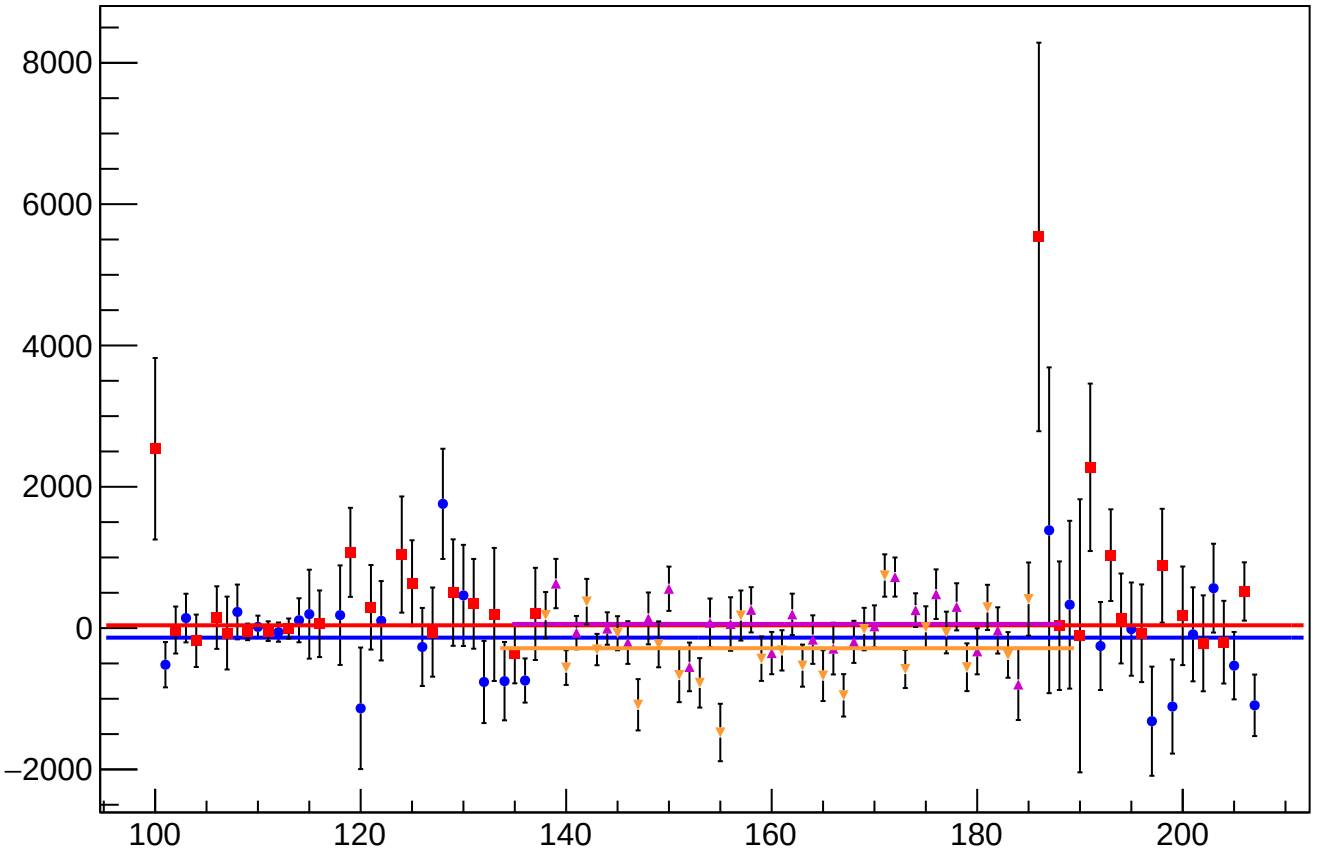
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 73.957+/-0.009 χ^2/NDF: 1599485.6/56

In: 69.340+/-0.009 χ^2/NDF:1869349.2/48

Out: 69.653+/-0.008 χ^2/NDF:2654009.6/55

All: 69.501+/-0.006 χ^2/NDF: 4524024.1/104



Right In: -134.921+/-73.379 χ^2/NDF: 31.6/25

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

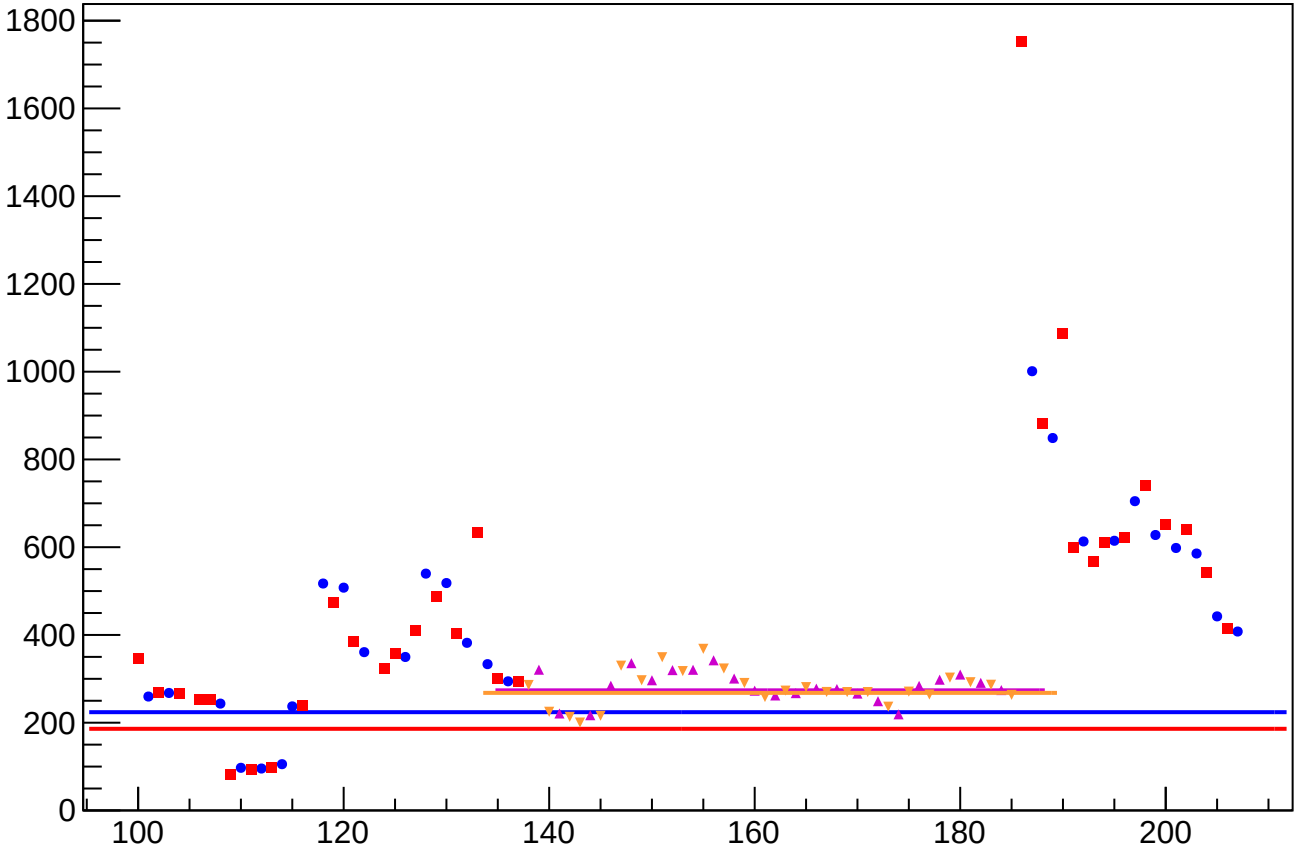
Right: -33.985+/-47.687 χ^2/NDF: 59.9/56

In: -25.636+/-48.503 χ^2/NDF:62.4/48

Out: -124.966+/-44.003 χ^2/NDF:93.2/55

All: -80.121+/-32.590 χ^2/NDF: 157.9/104

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 223.982+/-0.052 χ^2/NDF: 11045276.1/25

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

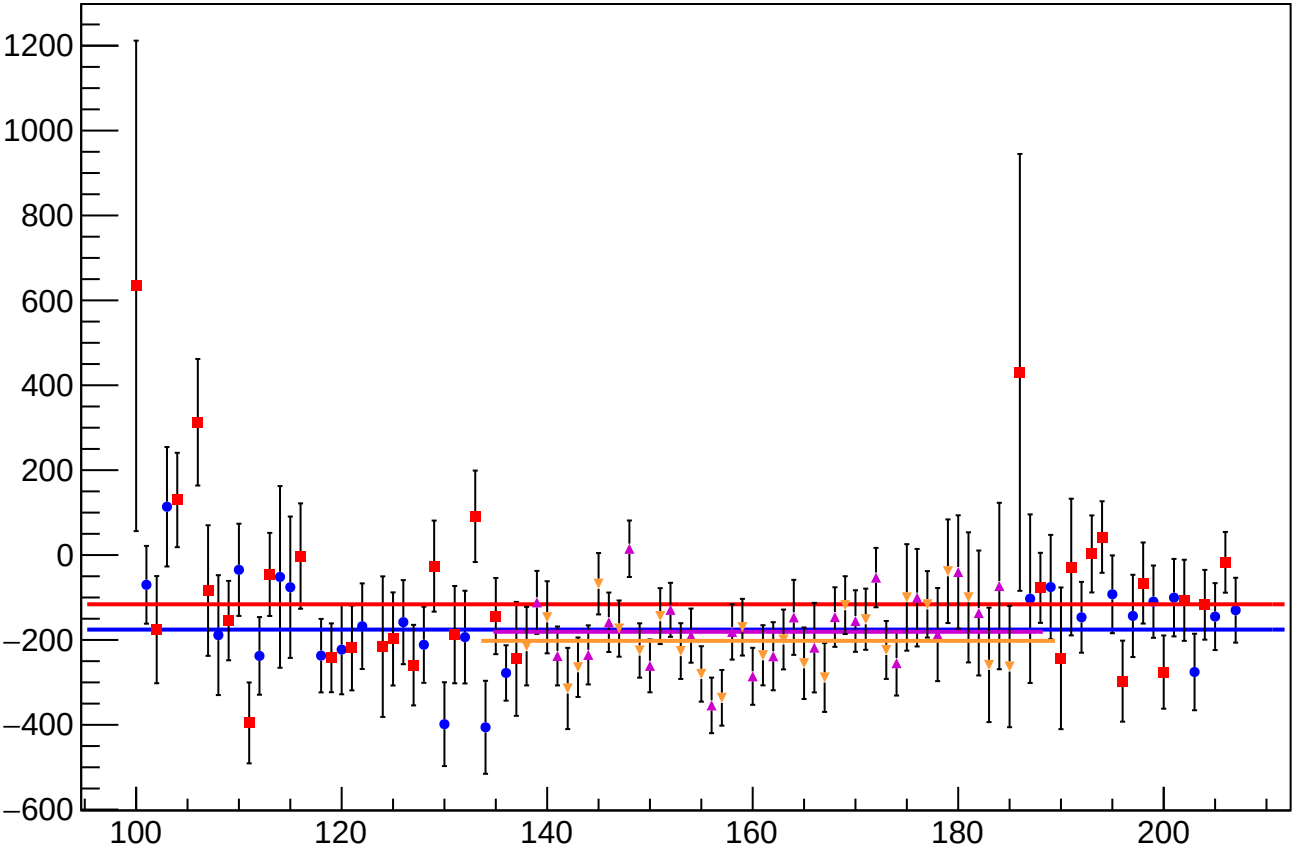
Right: 202.091+/-0.034 χ^2/NDF: 26247083.0/56

In: 252.007+/-0.034 χ^2/NDF:12213625.7/48

Out: 227.704+/-0.031 χ^2/NDF:17488110.2/55

All: 238.676+/-0.023 χ^2/NDF: 29977162.4/10

eigen_dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -175.589+/-19.213 χ^2/NDF: 26.2/25

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

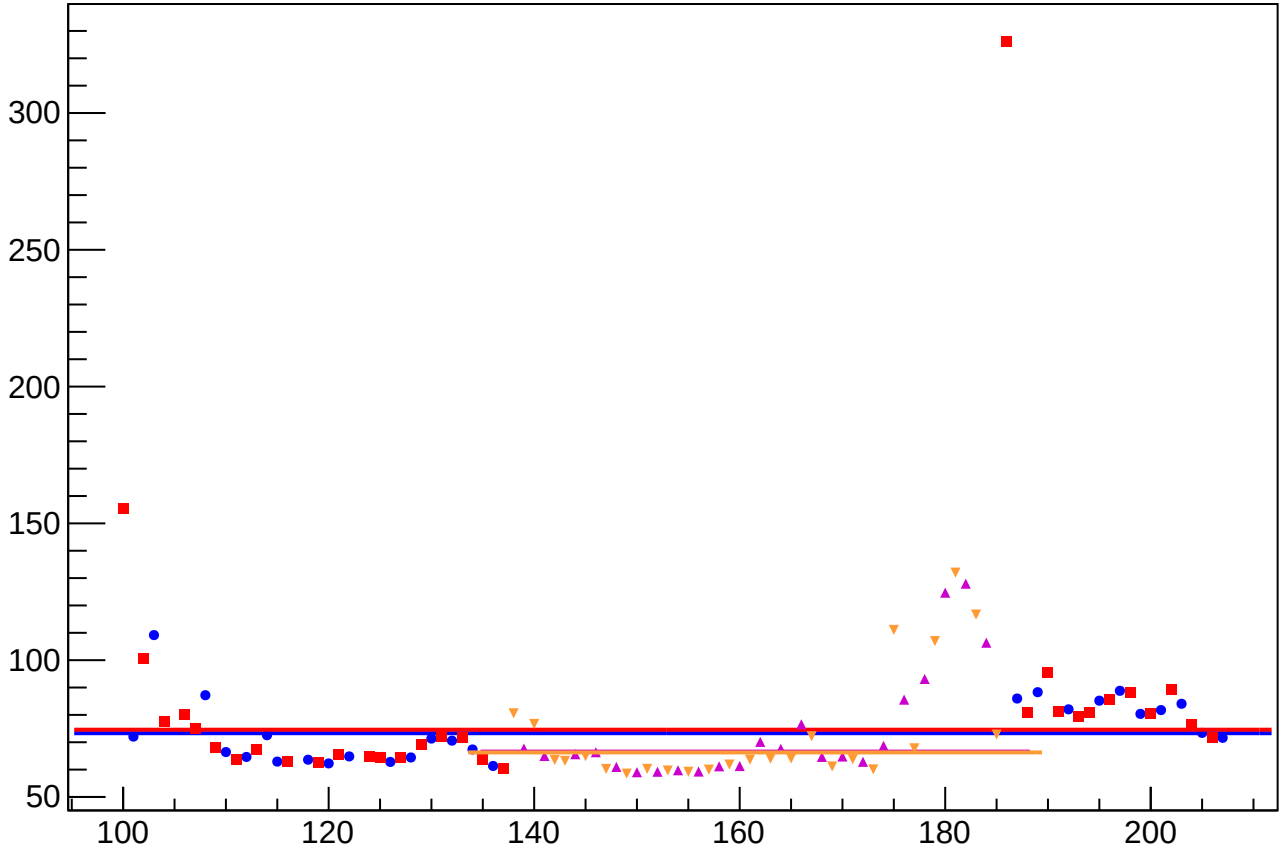
Right: -145.113+/-13.432 χ^2/NDF: 85.5/56

In: -178.654+/-12.304 χ^2/NDF:56.3/48

Out: -167.108+/-11.973 χ^2/NDF:88.4/55

All: -172.724+/-8.581 χ^2/NDF: 145.2/104

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.302+/-0.014 χ^2/NDF: 566924.1/25

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

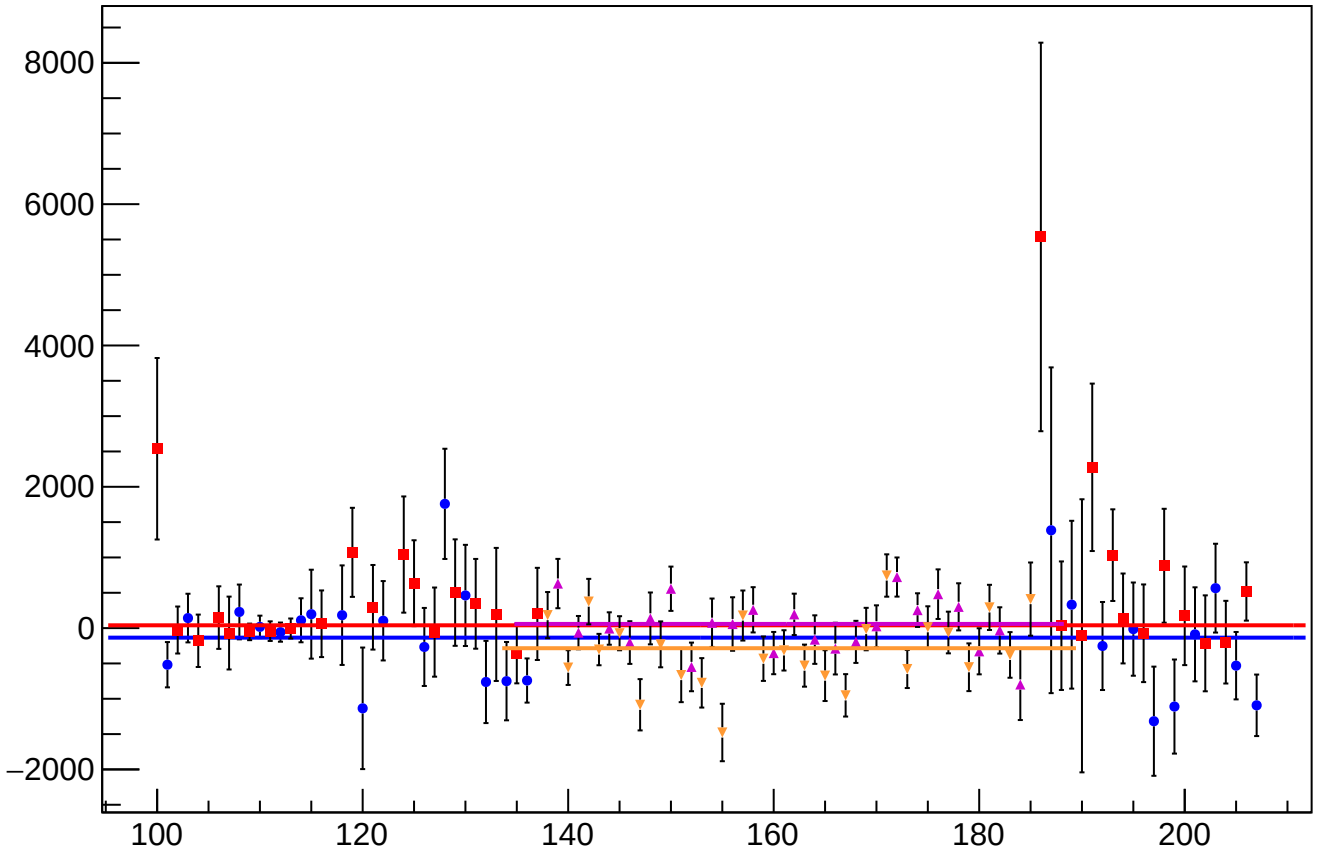
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 73.957+/-0.009 χ^2/NDF: 1599494.7/56

In: 69.340+/-0.009 χ^2/NDF:1869339.7/48

Out: 69.653+/-0.008 χ^2/NDF:2654006.7/55

All: 69.500+/-0.006 χ^2/NDF: 4524011.8/104



Right In: -134.919+/-73.378 χ^2/NDF: 31.6/25

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

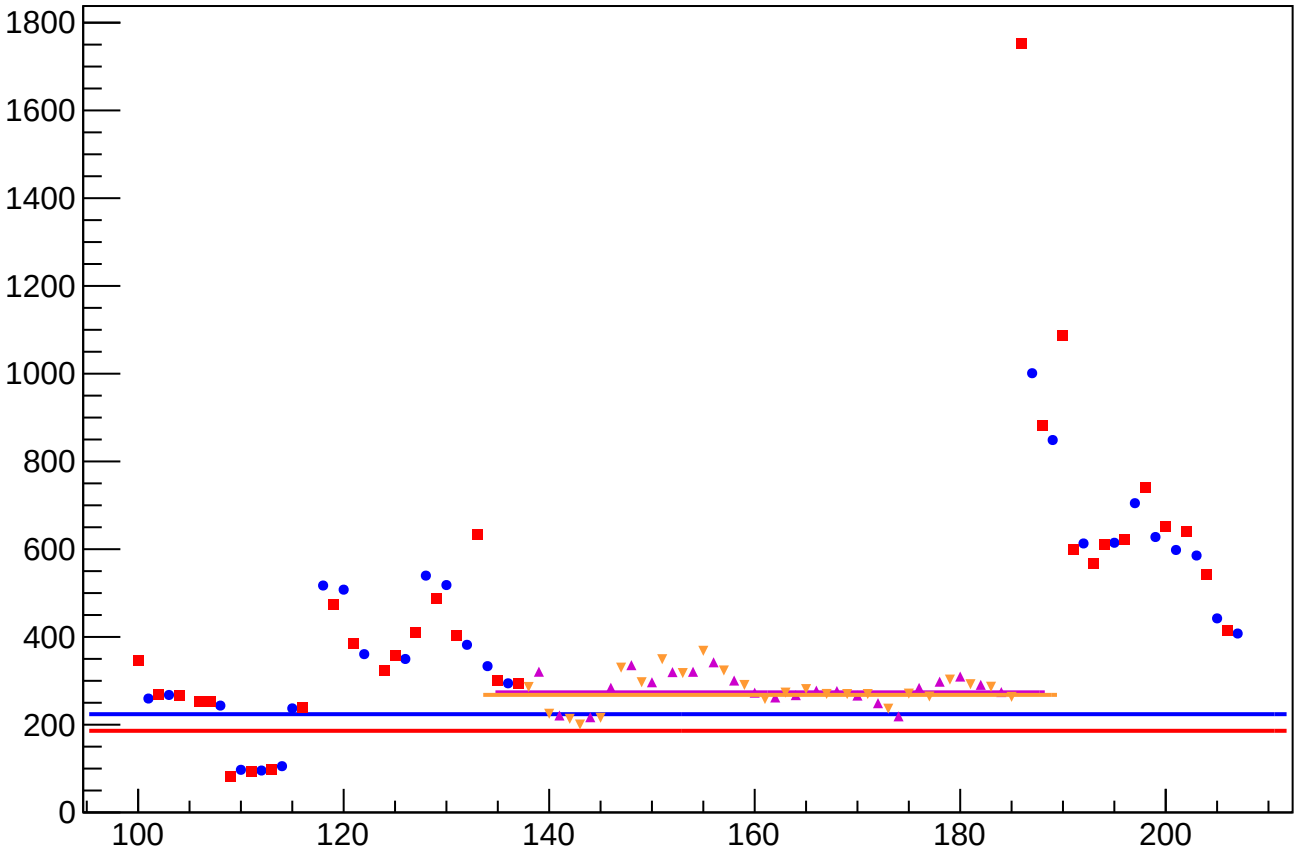
Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

Right: -33.985+/-47.687 χ^2/NDF: 59.9/56

In: -25.635+/-48.503 χ^2/NDF:62.4/48

Out: -124.966+/-44.003 χ^2/NDF:93.2/55

All: -80.121+/-32.590 χ^2/NDF: 157.9/104



Right In: 223.981+/-0.052 χ^2/NDF: 11045341.5/25

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

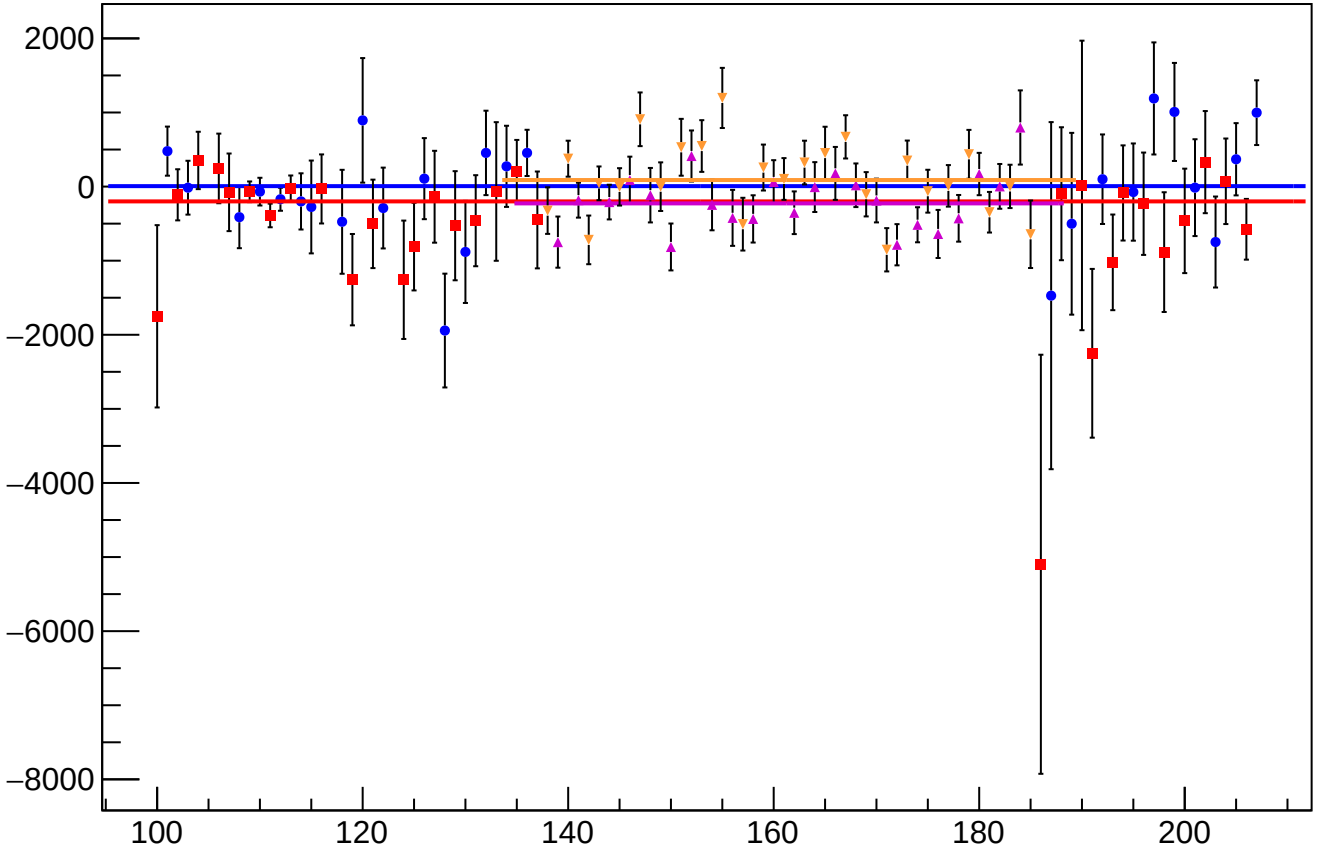
Right: 202.090+/-0.034 χ^2/NDF: 26247115.9/56

In: 252.005+/-0.034 χ^2/NDF:12213717.4/48

Out: 227.703+/-0.031 χ^2/NDF:17488094.5/55

All: 238.675+/-0.023 χ^2/NDF: 29977225.5/10

asym_sam8_mean vs Slug, Sign Corrected



Right In: 6.132+/-79.851 χ^2/NDF: 30.5/25

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

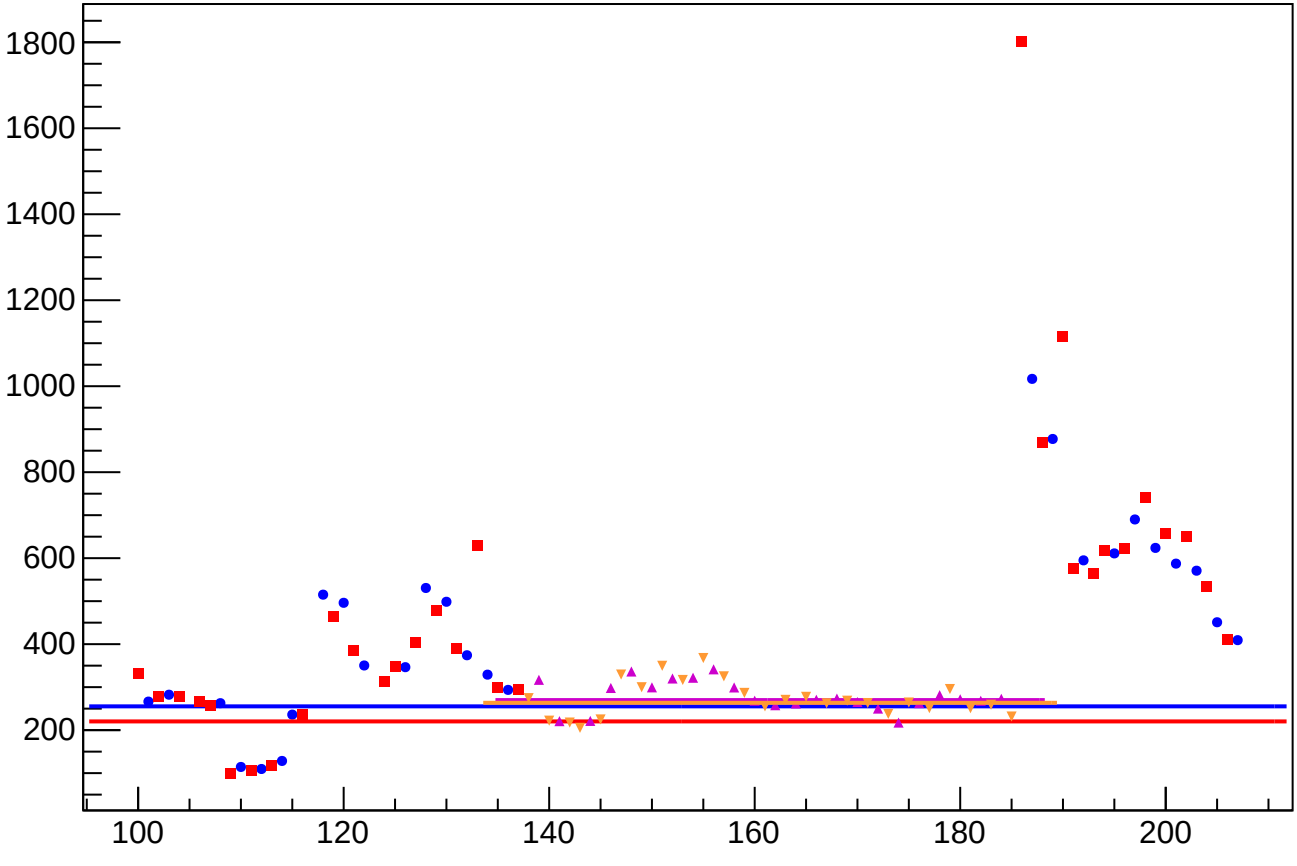
Right: -110.212+/-52.671 χ^2/NDF: 60.4/56

In: -136.295+/-49.785 χ^2/NDF:64.5/48

Out: -35.070+/-45.867 χ^2/NDF:88.0/55

All: -81.543+/-33.733 χ^2/NDF: 154.7/104

asym_sam8_rms vs Slug, Sign Corrected



Right In: 255.324+/-0.056 χ^2/NDF: 9187478.8/25

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

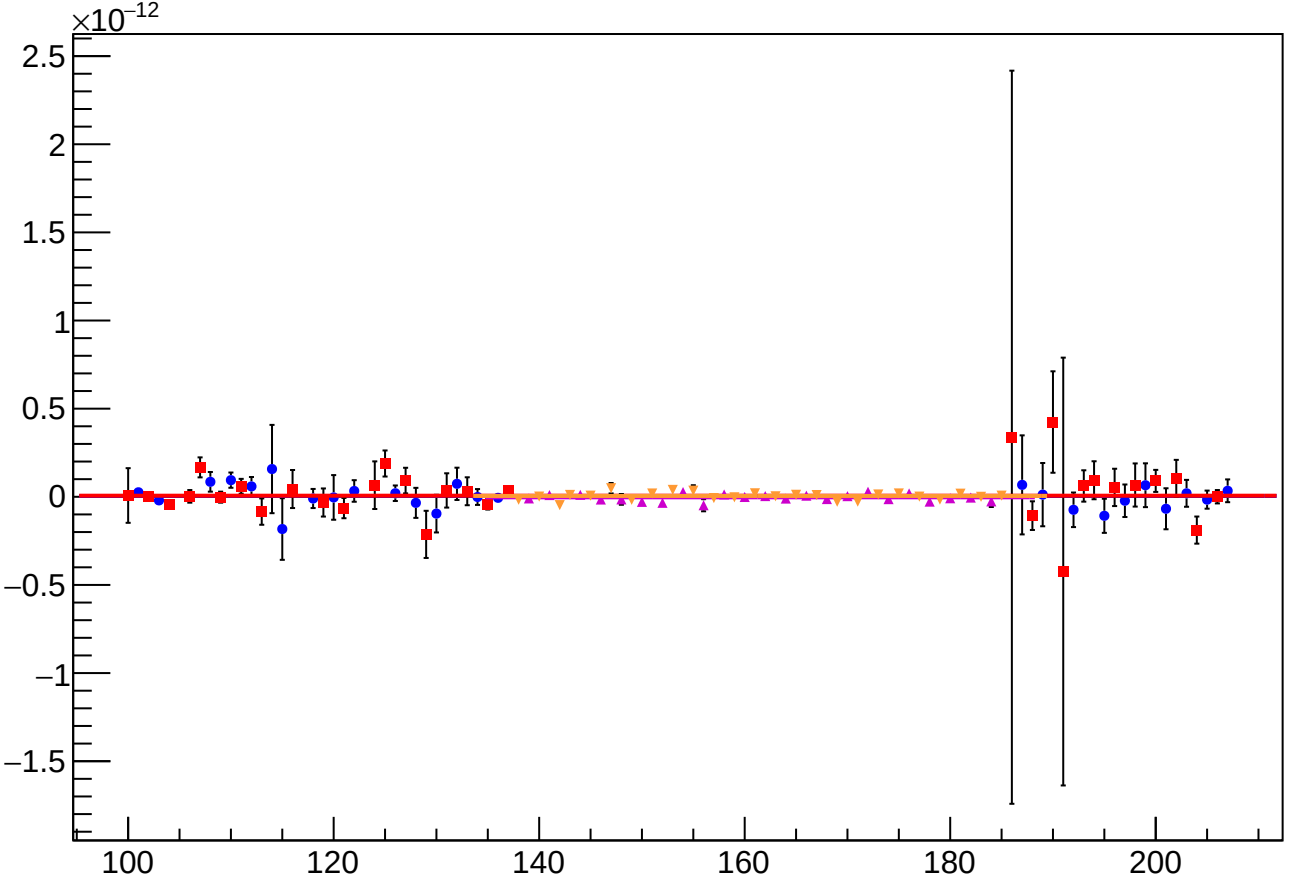
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 235.529+/-0.037 χ^2/NDF: 22171377.6/56

In: 264.233+/-0.035 χ^2/NDF:9830444.3/48

Out: 245.039+/-0.032 χ^2/NDF:13982837.6/55

All: 253.851+/-0.024 χ^2/NDF: 23974064.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 17.0/25

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

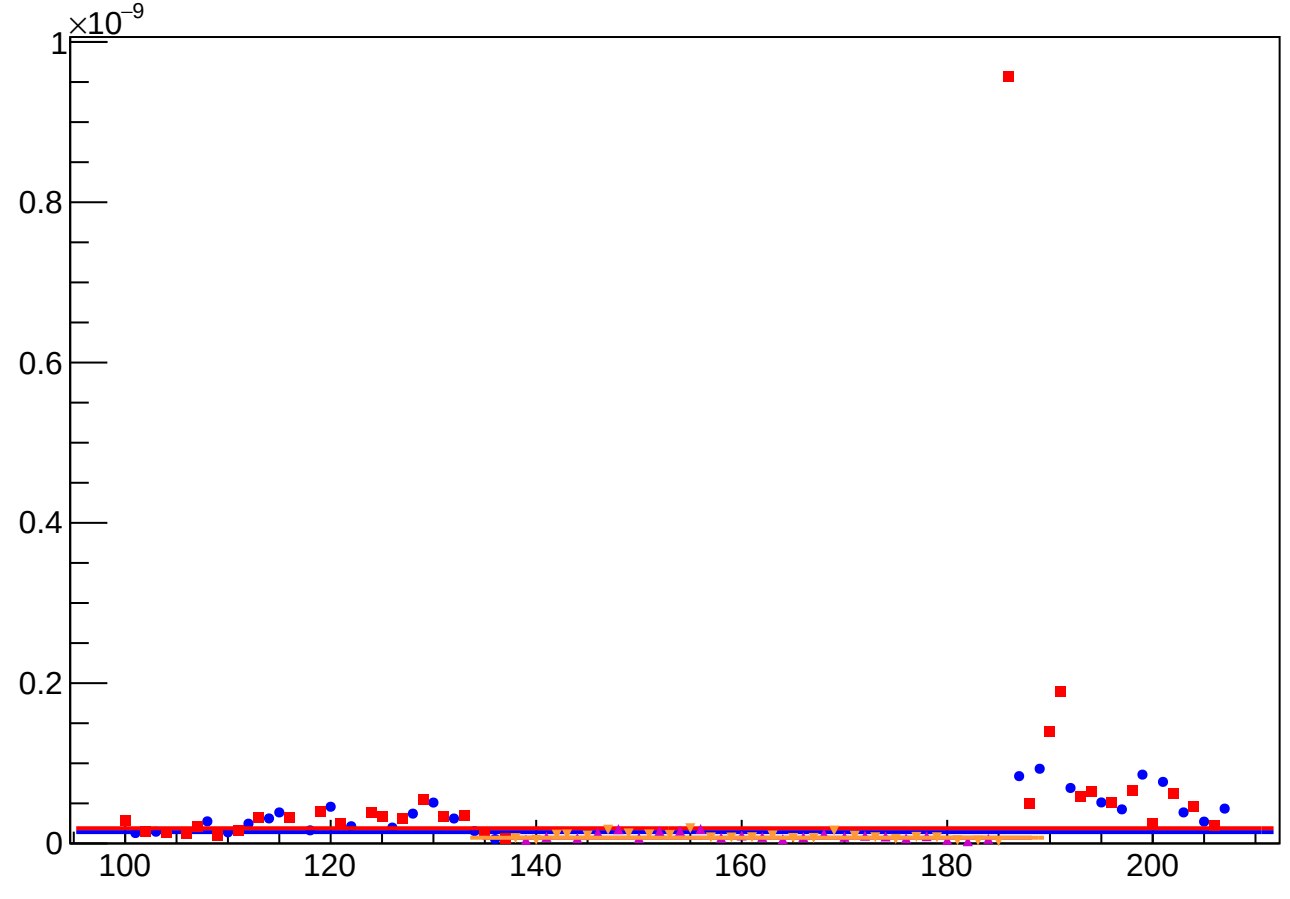
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 62.4/56

In: -0.000+/-0.000 χ^2/NDF:39.3/48

Out: 0.000+/-0.000 χ^2/NDF:73.3/55

All: 0.000+/-0.000 χ^2/NDF: 115.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 5645672.0/25

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4615592.3/30

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

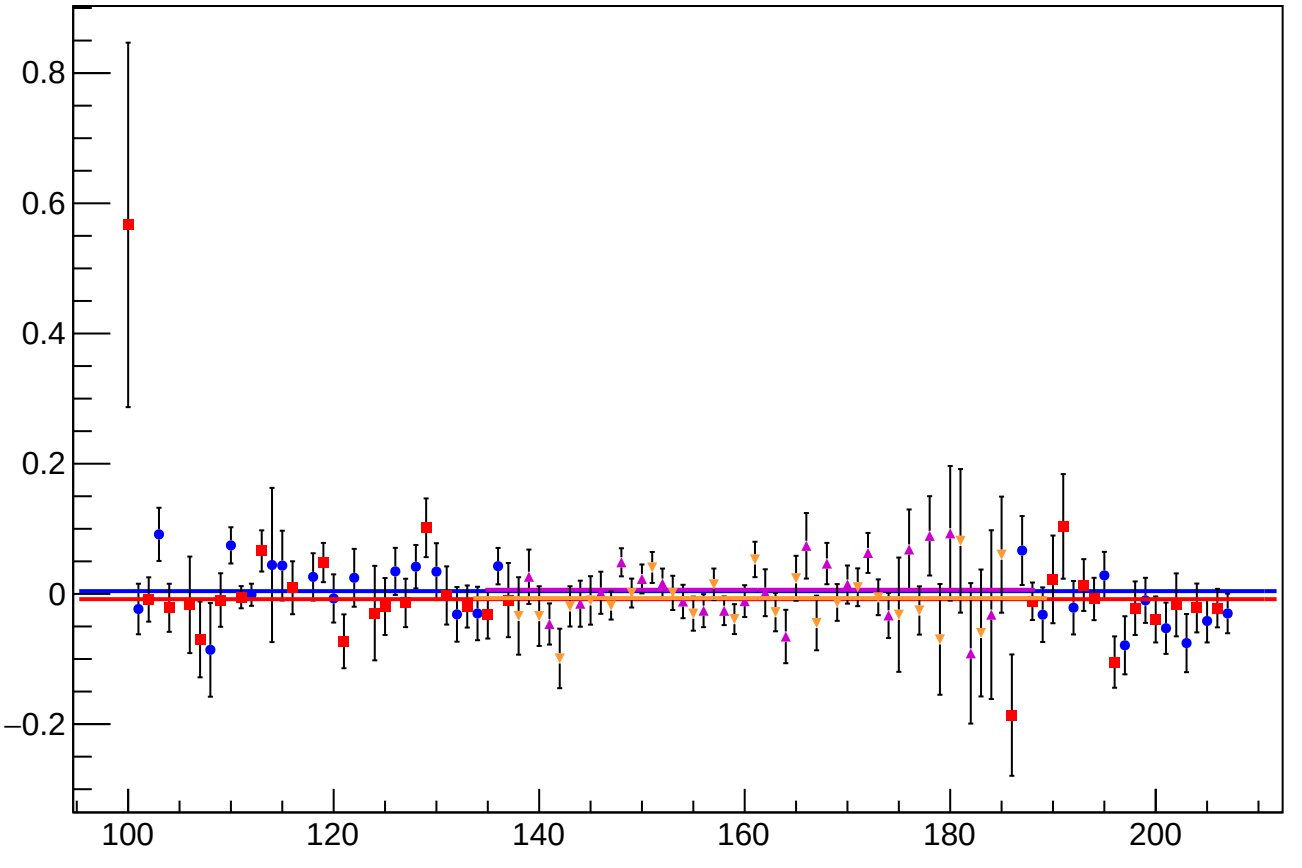
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10569829.9/56

In: 0.000+/-0.000 χ^2/NDF:9078685.8/48

Out: 0.000+/-0.000 χ^2/NDF:9453601.5/55

All: 0.000+/-0.000 χ^2/NDF: 18537244.6/104



Right In: 0.004+/-0.007 χ^2/NDF: 35.3/25

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

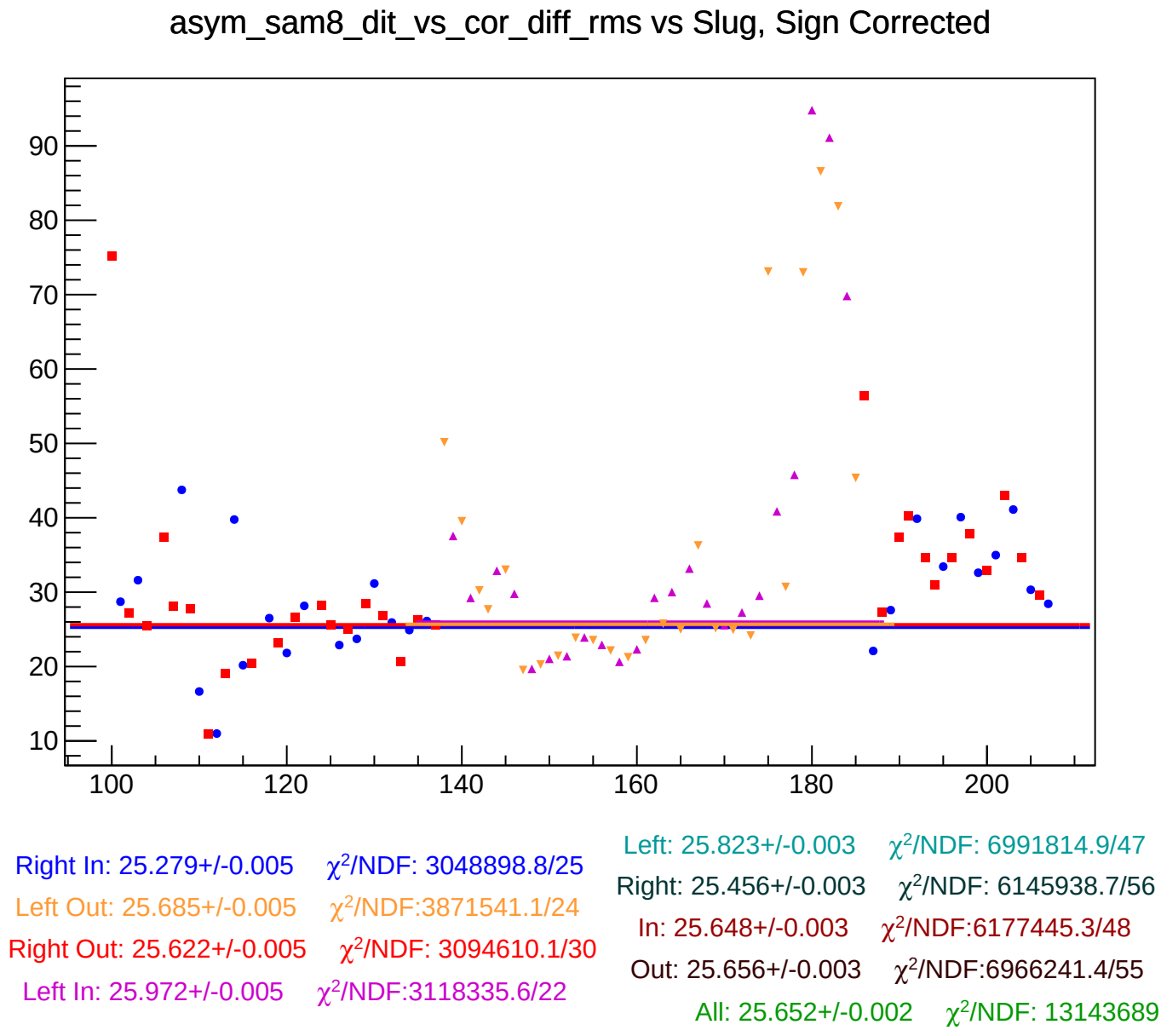
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

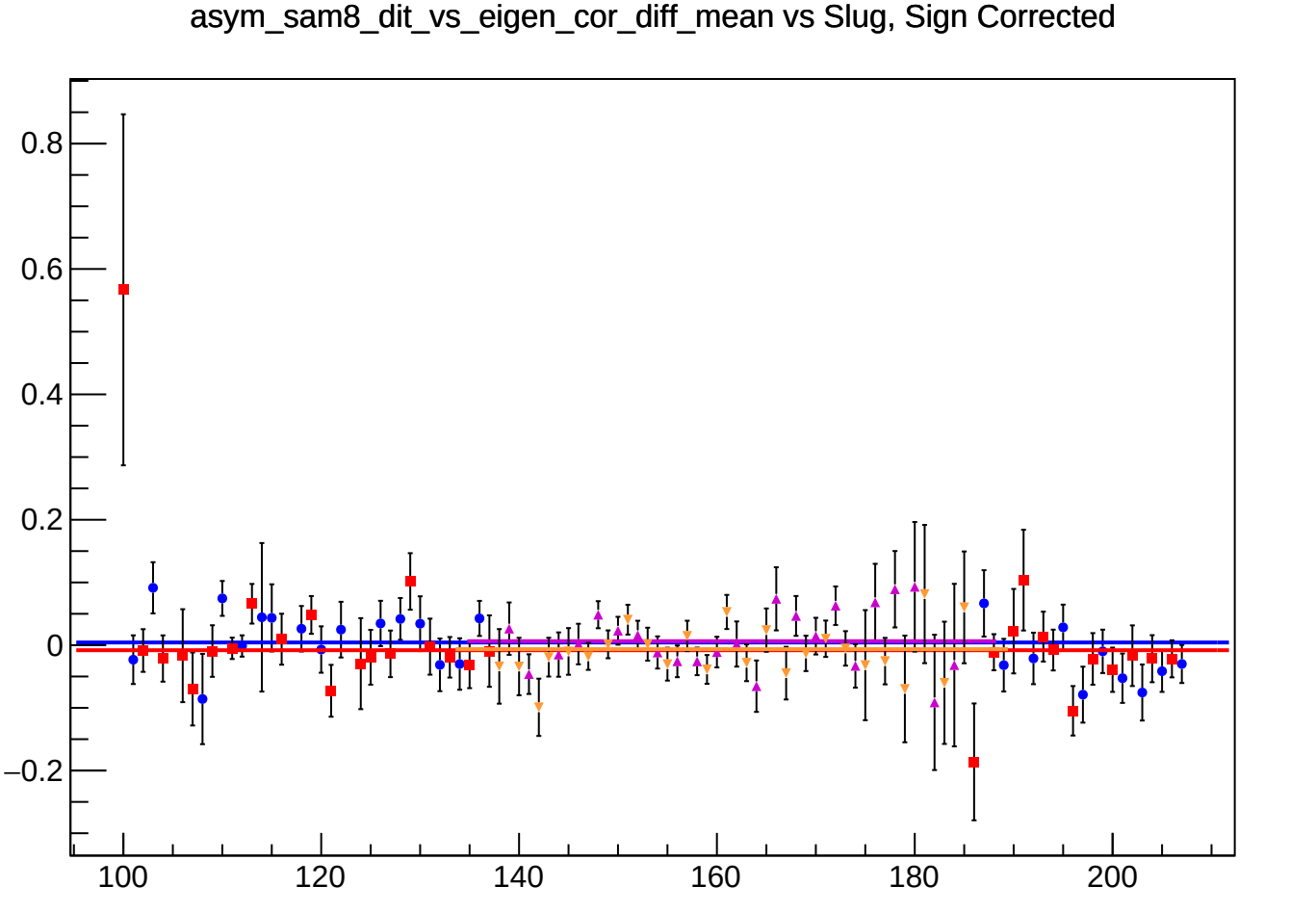
Right: -0.002+/-0.005 χ^2/NDF: 74.0/56

In: 0.005+/-0.005 χ^2/NDF:63.7/48

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 126.9/104


asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected
90
80
70
60
50
40
30
20
10
100
120
140
160
180
200
Right In: 25.279+/-0.005 χ²/NDF: 3048898.8/25
Left Out: 25.685+/-0.005 χ²/NDF:3871541.1/24
Right Out: 25.622+/-0.005 χ²/NDF: 3094610.1/30
Left In: 25.972+/-0.005 χ²/NDF:3118335.6/22
Left: 25.823+/-0.003 χ²/NDF: 6991814.9/47
Right: 25.456+/-0.003 χ²/NDF: 6145938.7/56
In: 25.648+/-0.003 χ²/NDF:6177445.3/48
Out: 25.656+/-0.003 χ²/NDF:6966241.4/55
All: 25.652+/-0.002 χ²/NDF: 13143689.4/104



Right In: 0.004+/-0.007 χ^2/NDF: 35.3/25

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

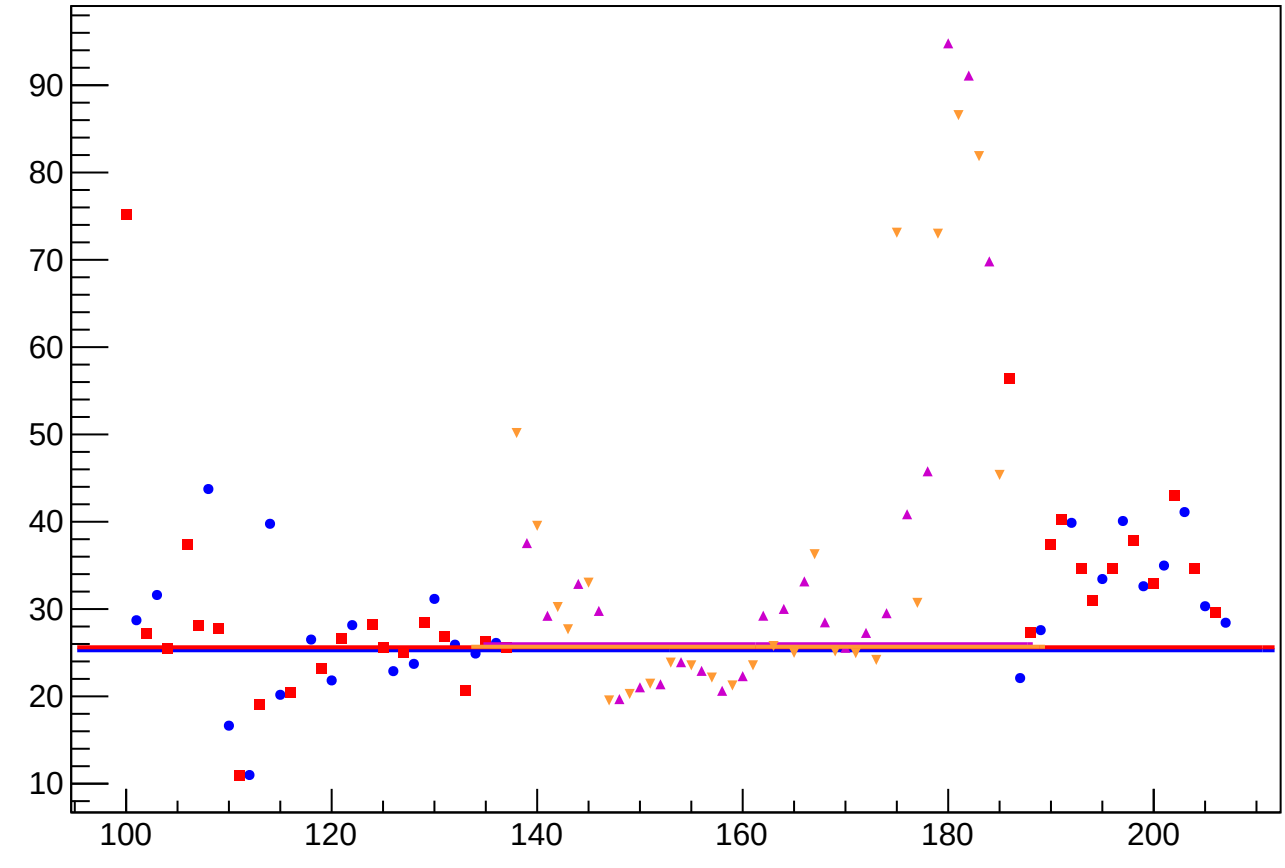
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.002+/-0.005 χ^2/NDF: 74.0/56

In: 0.005+/-0.005 χ^2/NDF:63.7/48

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 126.9/104



Right In: 25.279+/-0.005 χ^2/NDF: 3048898.8/25

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

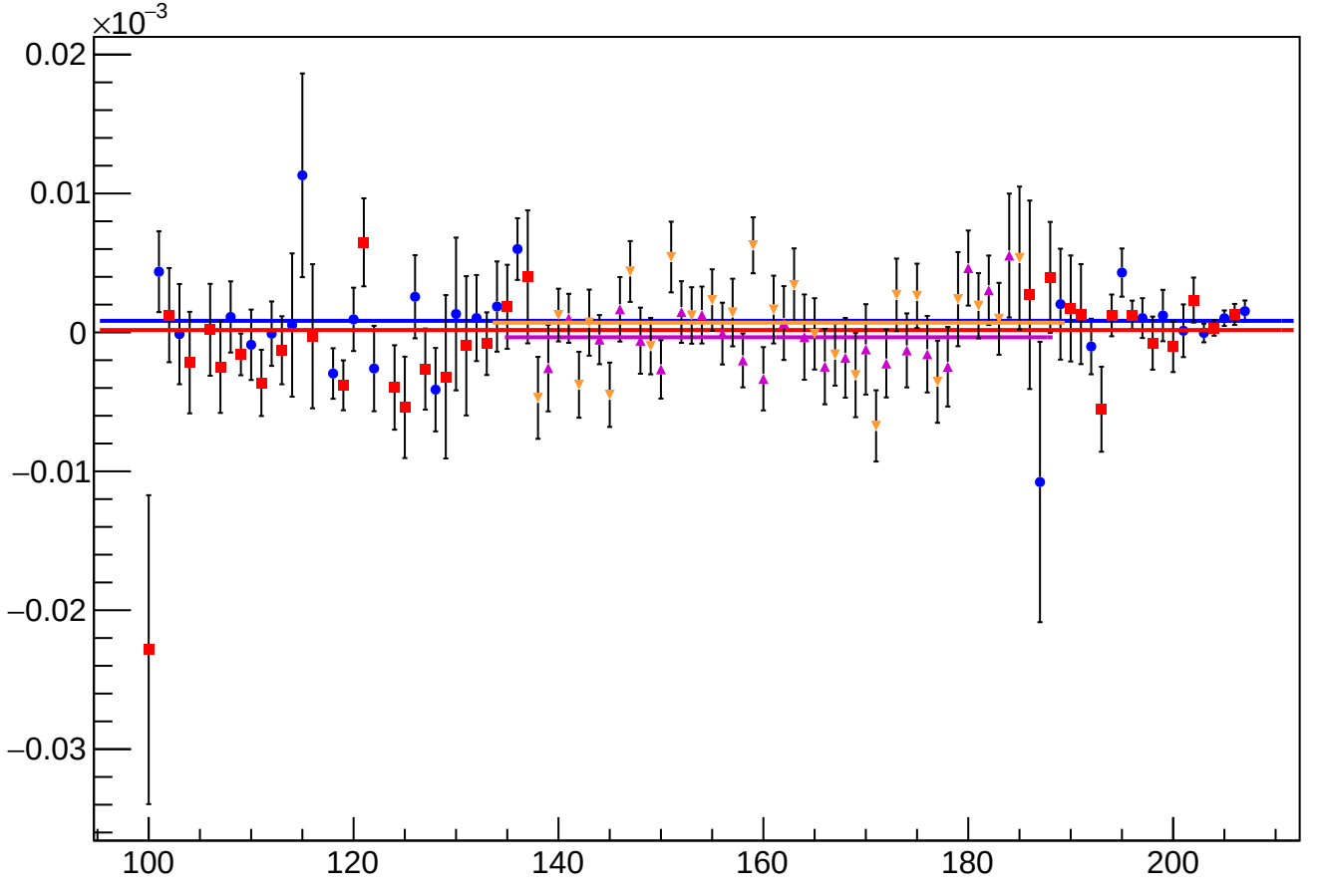
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.456+/-0.003 χ^2/NDF: 6145938.7/56

In: 25.648+/-0.003 χ^2/NDF:6177445.3/48

Out: 25.656+/-0.003 χ^2/NDF:6966241.4/55

All: 25.652+/-0.002 χ^2/NDF: 13143689.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/25

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

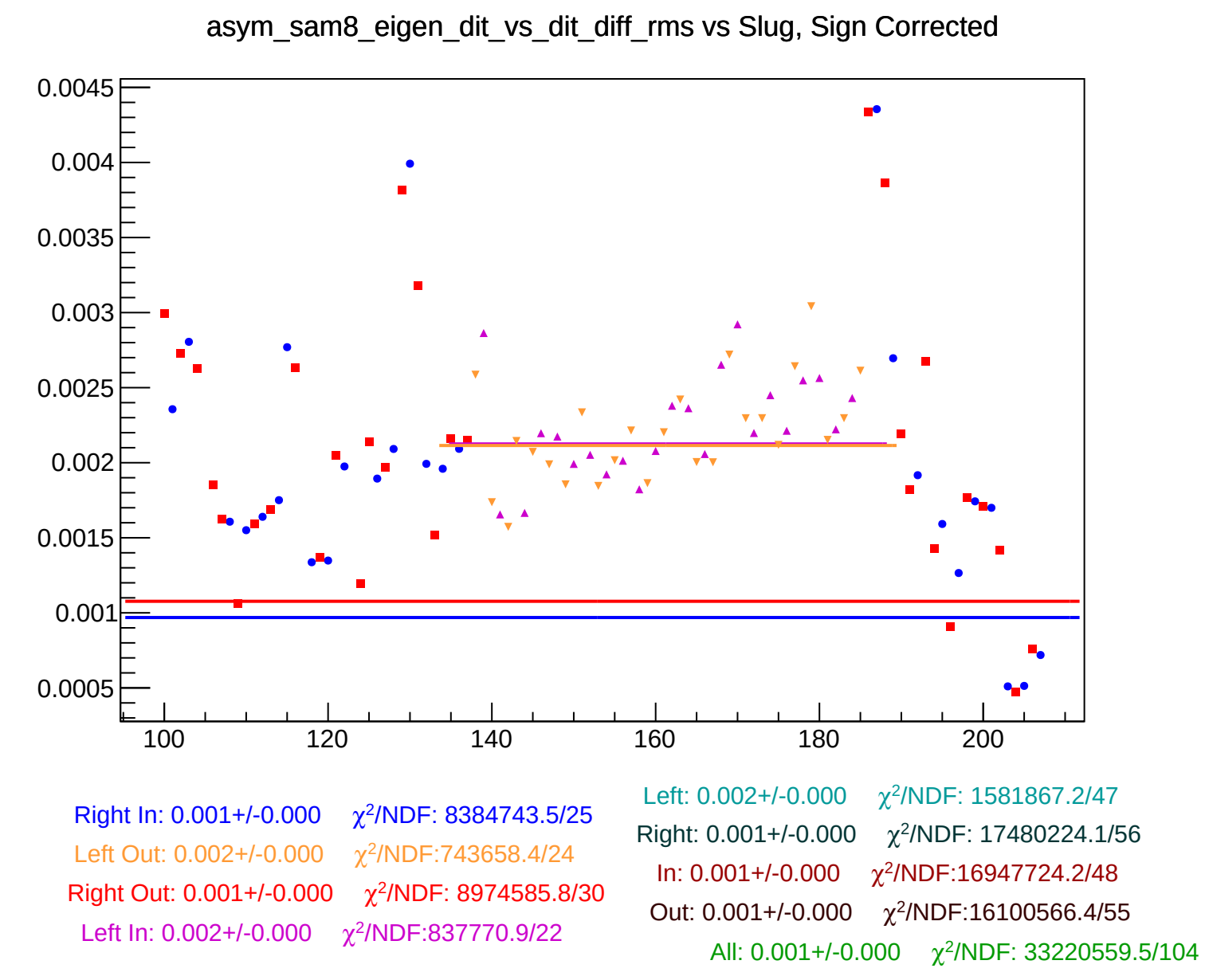
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

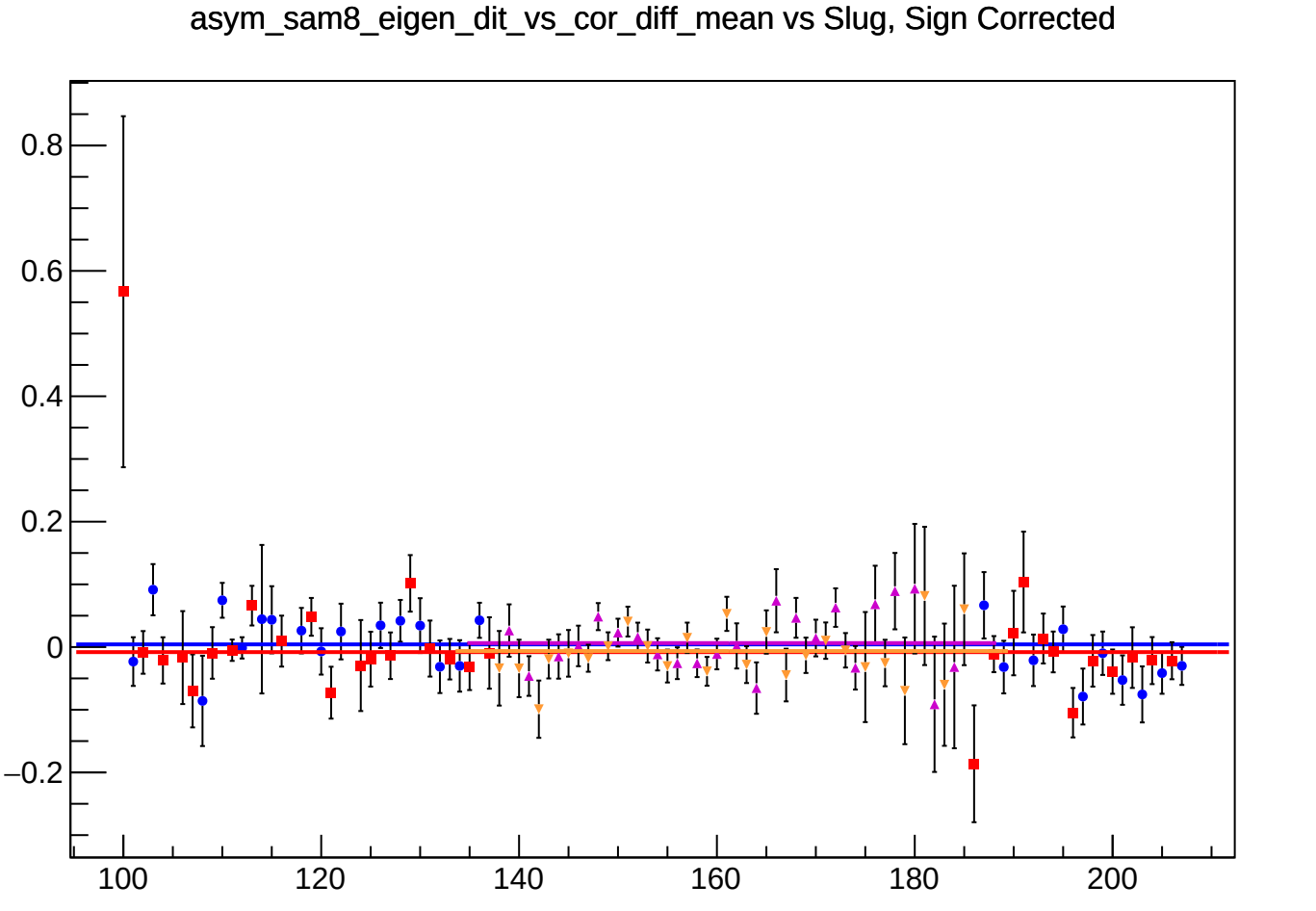
Right: 0.000+/-0.000 χ^2/NDF: 66.1/56

In: 0.000+/-0.000 χ^2/NDF:47.9/48

Out: 0.000+/-0.000 χ^2/NDF:81.4/55

All: 0.000+/-0.000 χ^2/NDF: 129.6/104


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: 8384743.5/25
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: 17480224.1/56
In: 0.001+/-0.000 χ²/NDF:16947724.2/48
Out: 0.001+/-0.000 χ²/NDF:16100566.4/55
All: 0.001+/-0.000 χ²/NDF: 33220559.5/104



Right In: 0.004+/-0.007 χ^2/NDF: 35.3/25

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

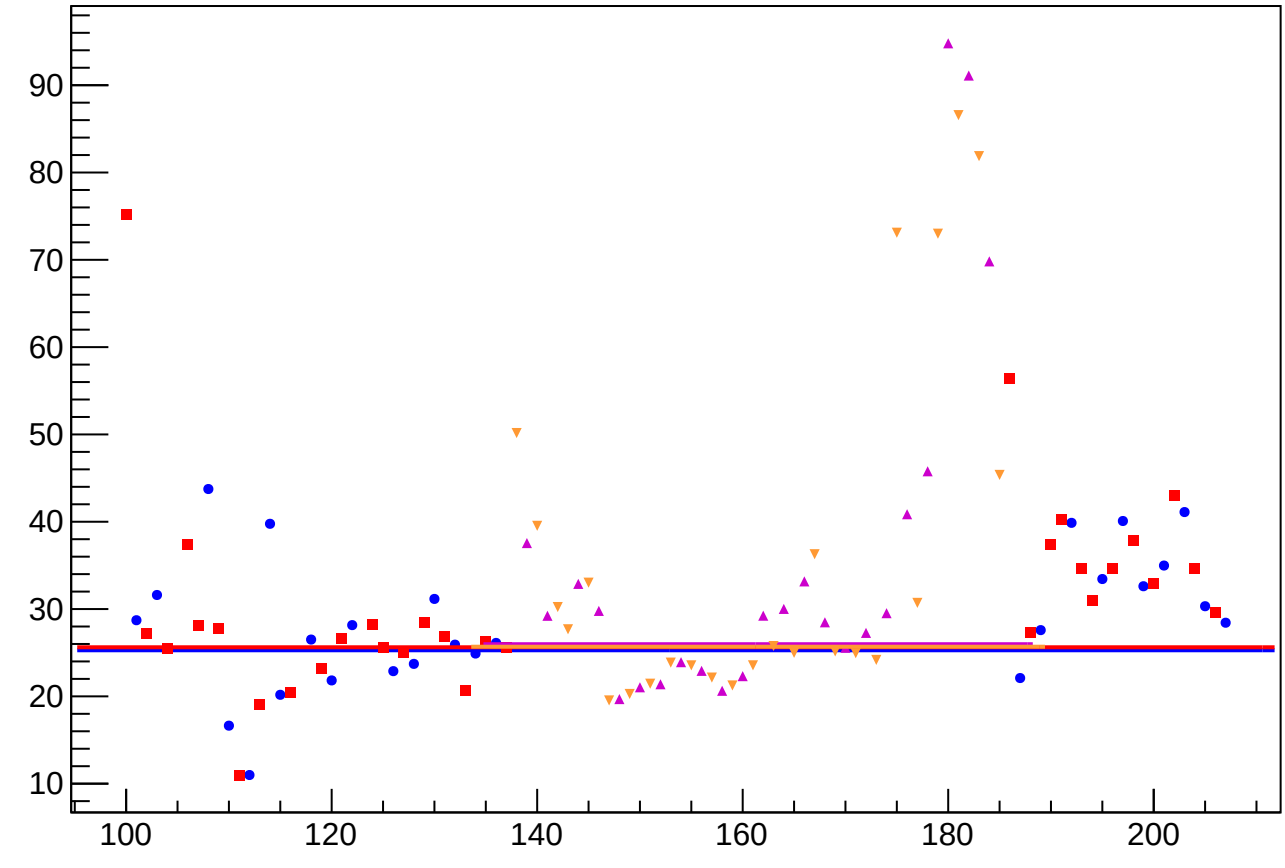
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.002+/-0.005 χ^2/NDF: 74.0/56

In: 0.005+/-0.005 χ^2/NDF:63.7/48

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 126.9/104



Right In: 25.279+/-0.005 χ^2/NDF: 3049175.8/25

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

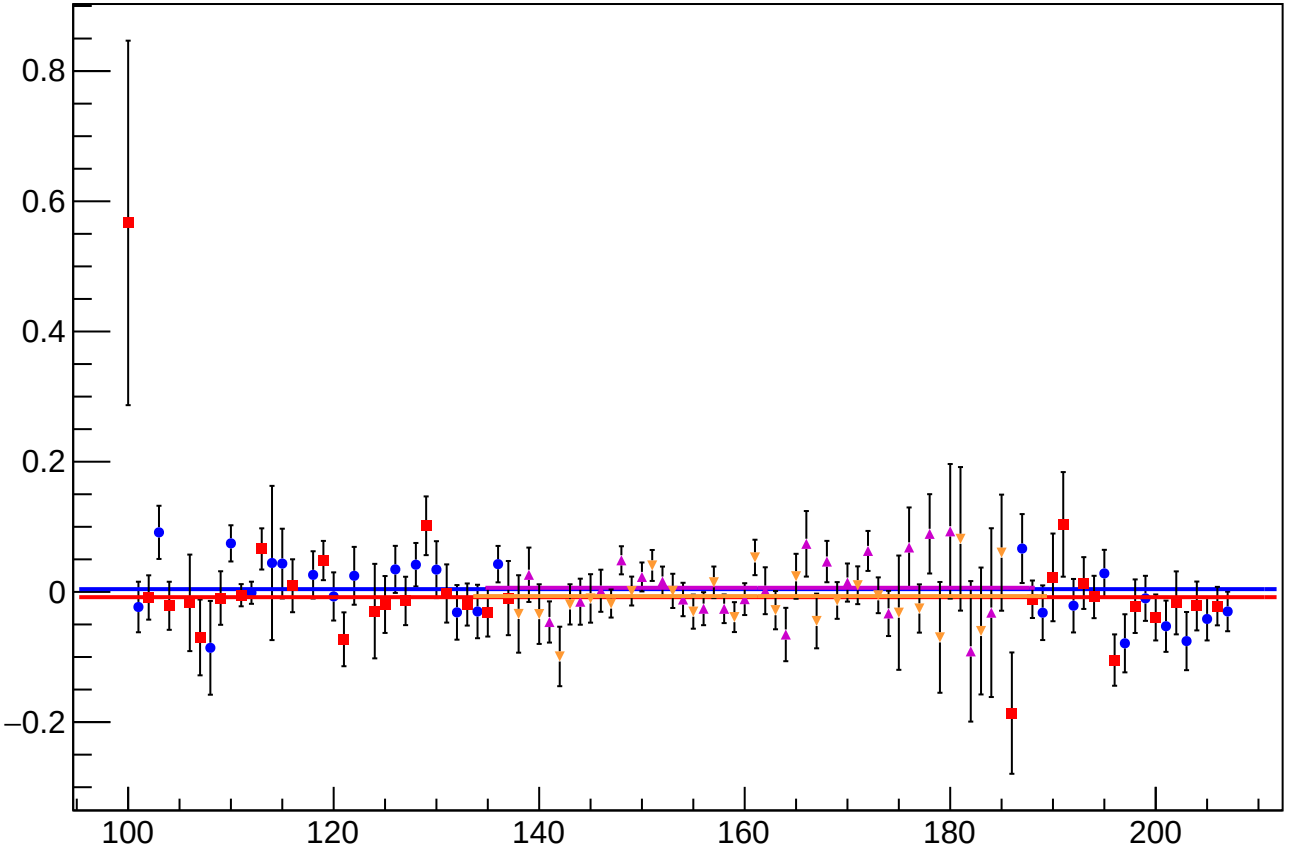
Right: 25.456+/-0.003 χ^2/NDF: 6146501.0/56

In: 25.648+/-0.003 χ^2/NDF:6177720.9/48

Out: 25.655+/-0.003 χ^2/NDF:6966533.3/55

All: 25.652+/-0.002 χ^2/NDF: 13144256.8/104

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.007 χ^2/NDF: 35.3/25

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

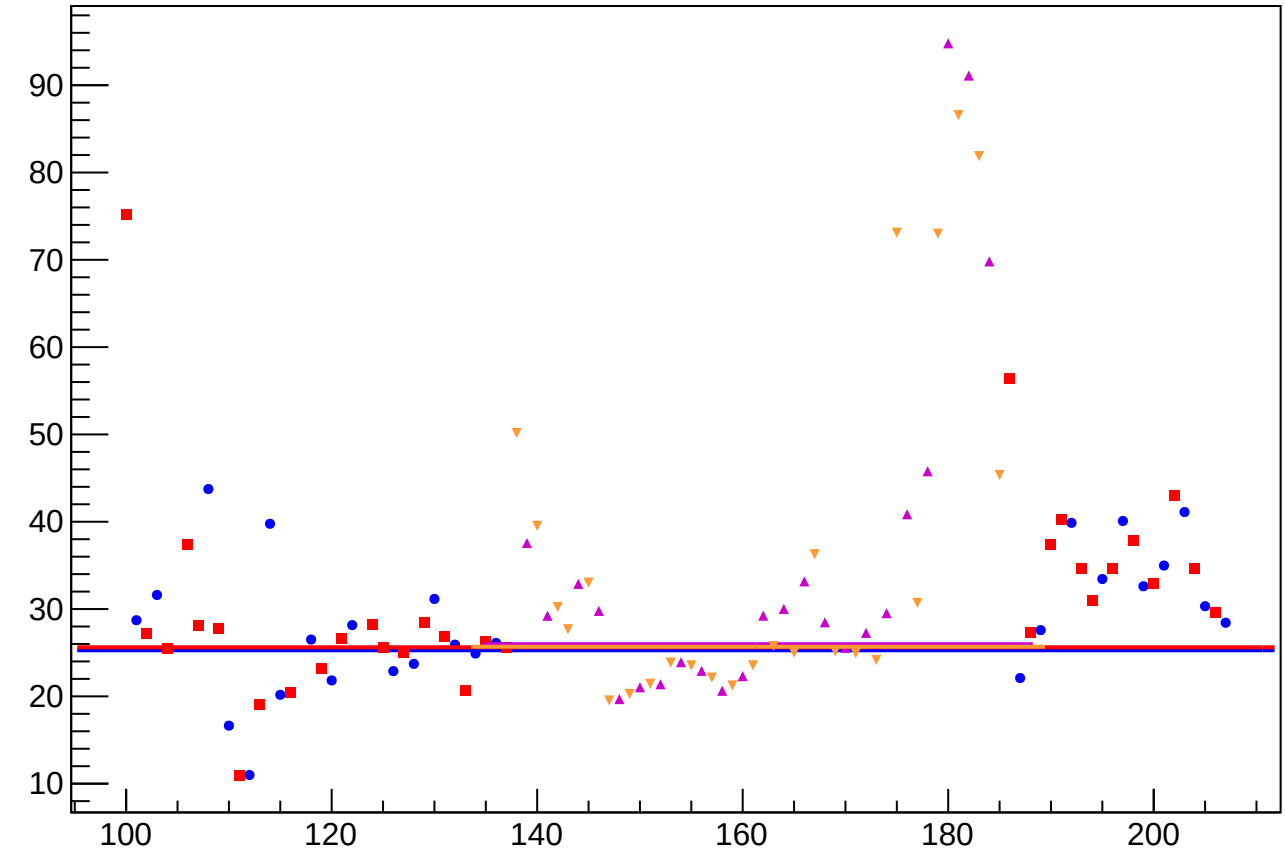
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.002+/-0.005 χ^2/NDF: 74.0/56

In: 0.005+/-0.005 χ^2/NDF:63.7/48

Out: -0.007+/-0.005 χ^2/NDF:59.7/55

All: -0.001+/-0.003 χ^2/NDF: 126.9/104



Right In: 25.279+/-0.005 χ^2/NDF: 3049175.8/25

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

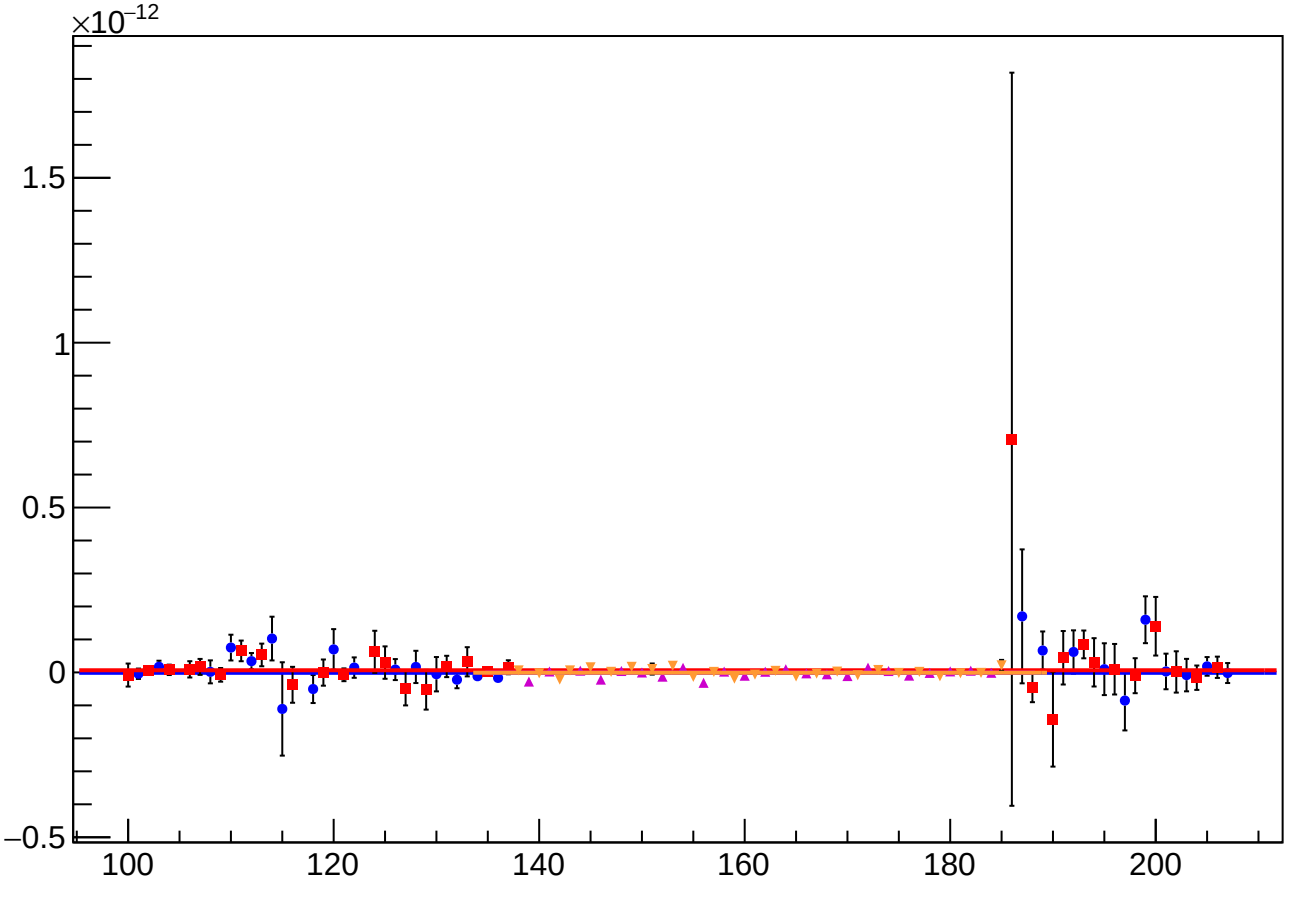
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.456+/-0.003 χ^2/NDF: 6146501.0/56

In: 25.648+/-0.003 χ^2/NDF:6177720.9/48

Out: 25.655+/-0.003 χ^2/NDF:6966533.3/55

All: 25.652+/-0.002 χ^2/NDF: 13144256.8/104



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/25

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

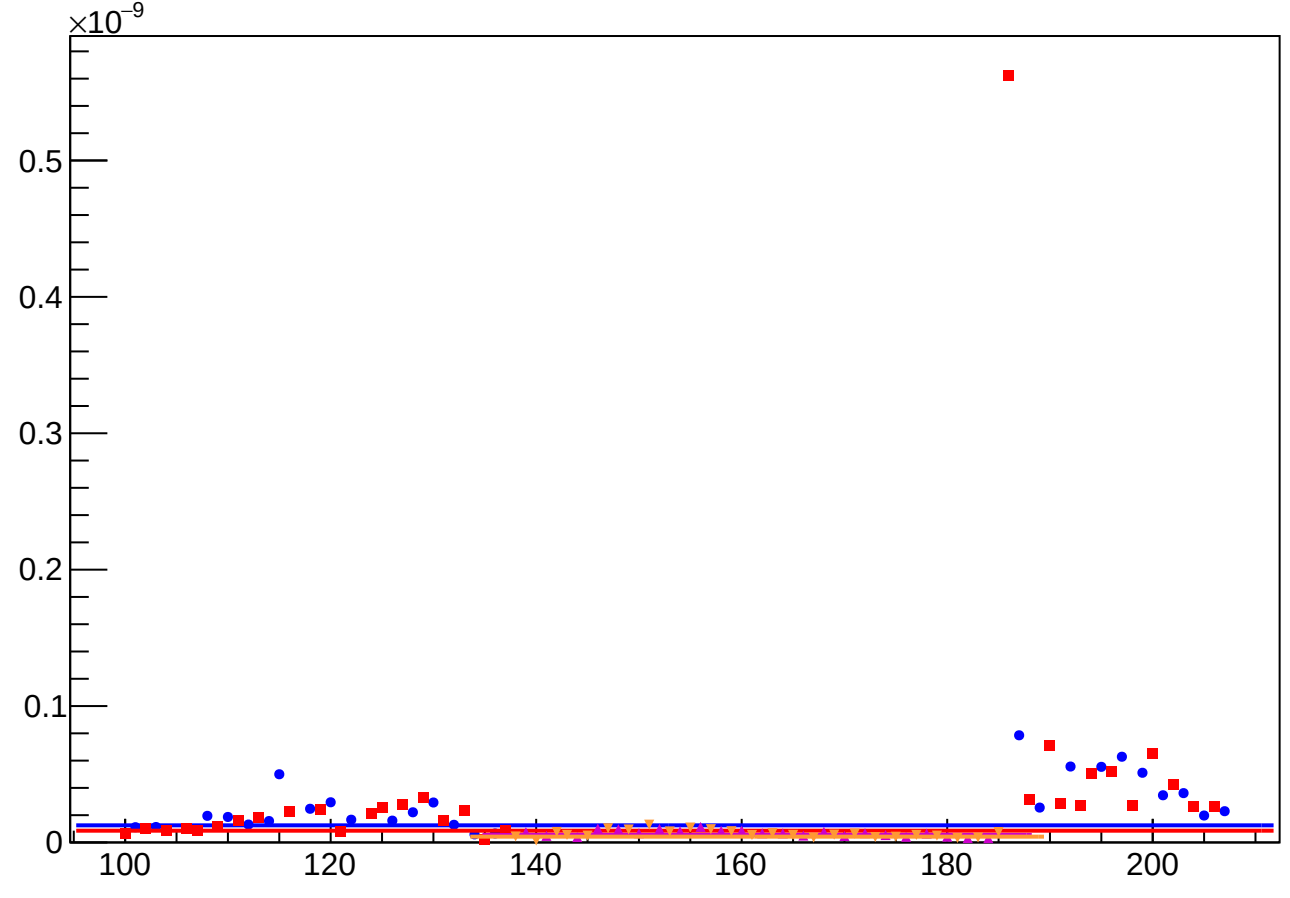
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 49.0/56

In: -0.000+/-0.000 χ^2/NDF:56.6/48

Out: -0.000+/-0.000 χ^2/NDF:52.4/55

All: -0.000+/-0.000 χ^2/NDF: 109.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 6417324.0/25

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

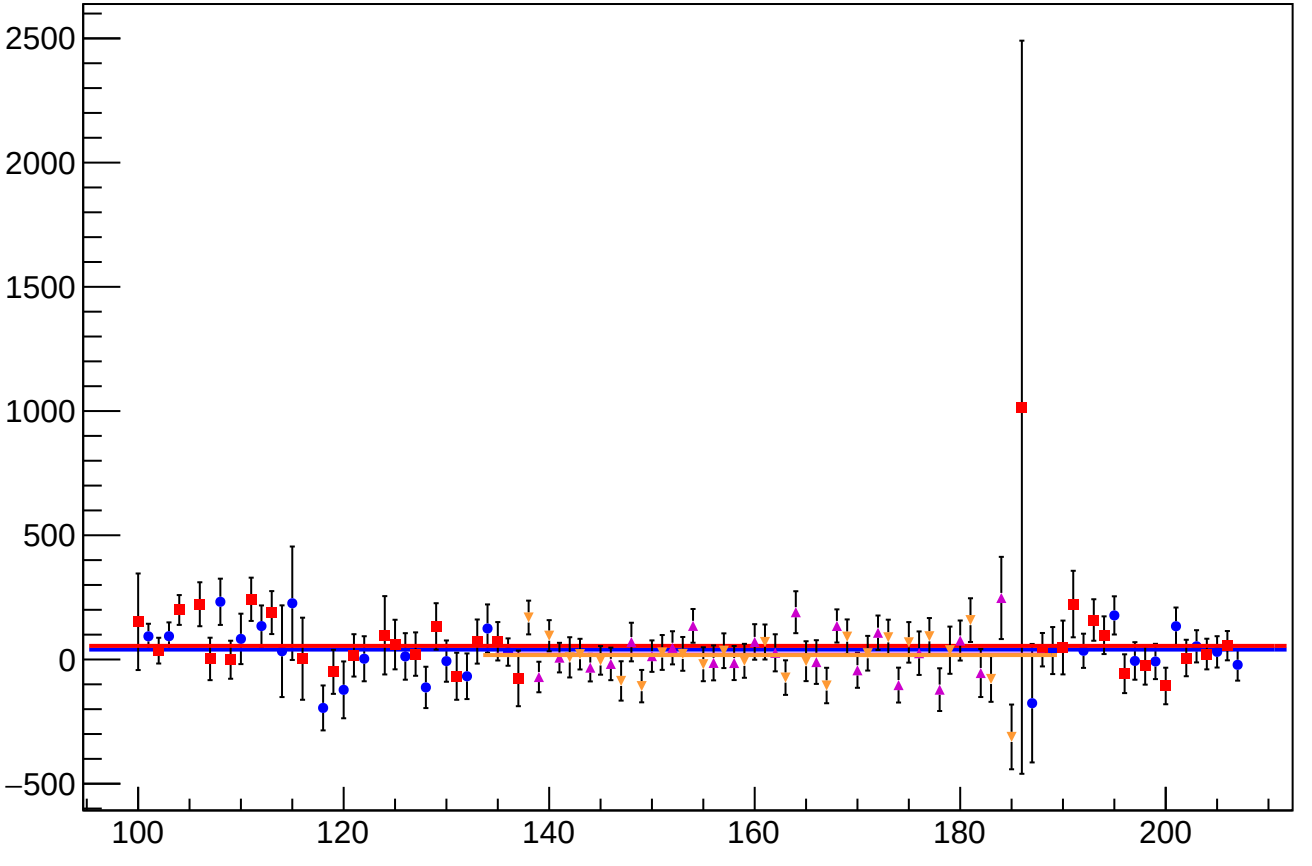
Right: 0.000+/-0.000 χ^2/NDF: 17404517.9/56

In: 0.000+/-0.000 χ^2/NDF:12620695.0/48

Out: 0.000+/-0.000 χ^2/NDF:17658625.3/55

All: 0.000+/-0.000 χ^2/NDF: 31237131.9/104

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 39.899+/-15.439 χ^2/NDF: 30.7/25

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

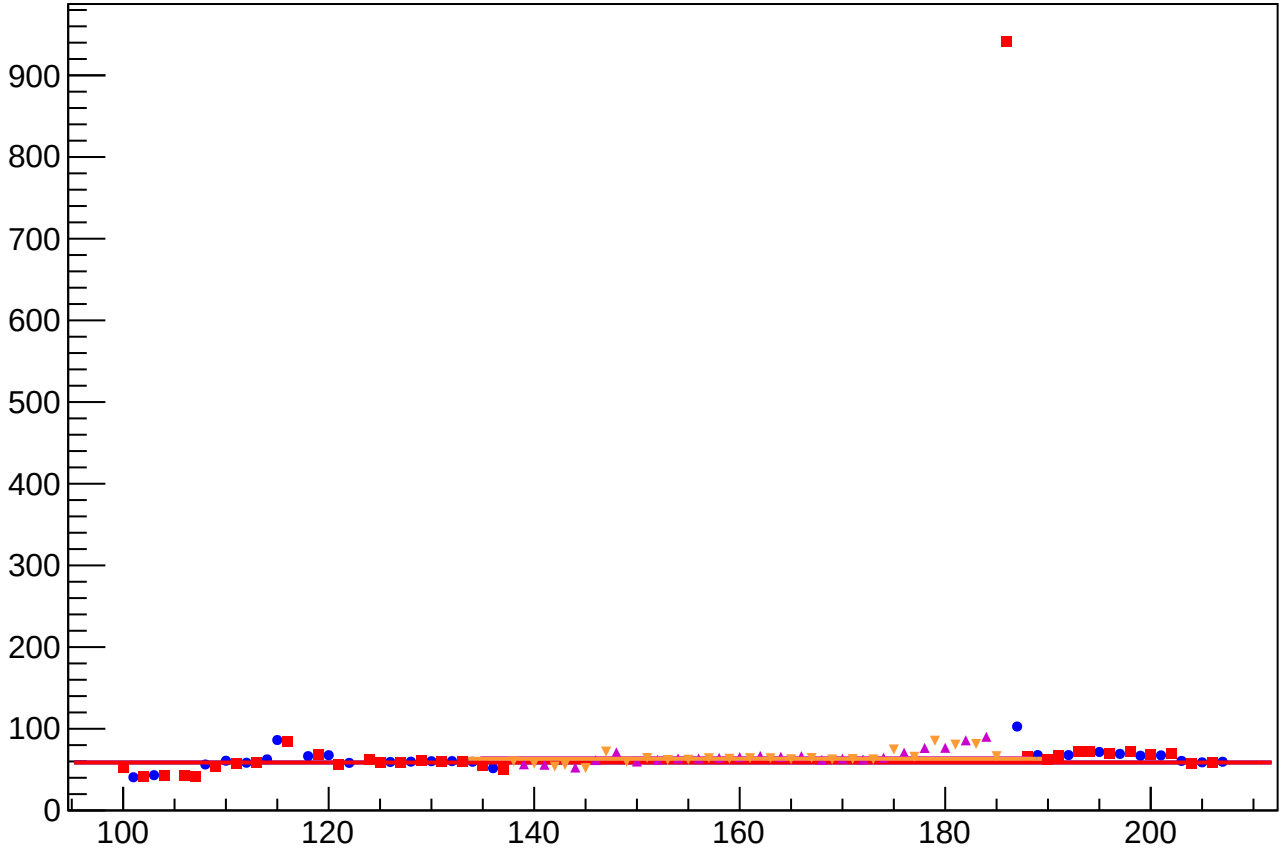
Right: 47.584+/-10.735 χ^2/NDF: 67.2/56

In: 29.506+/-10.773 χ^2/NDF:57.8/48

Out: 35.734+/-10.403 χ^2/NDF:70.7/55

All: 32.729+/-7.483 χ^2/NDF: 128.7/104

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.742+/-0.011 χ^2/NDF: 776832.7/25

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

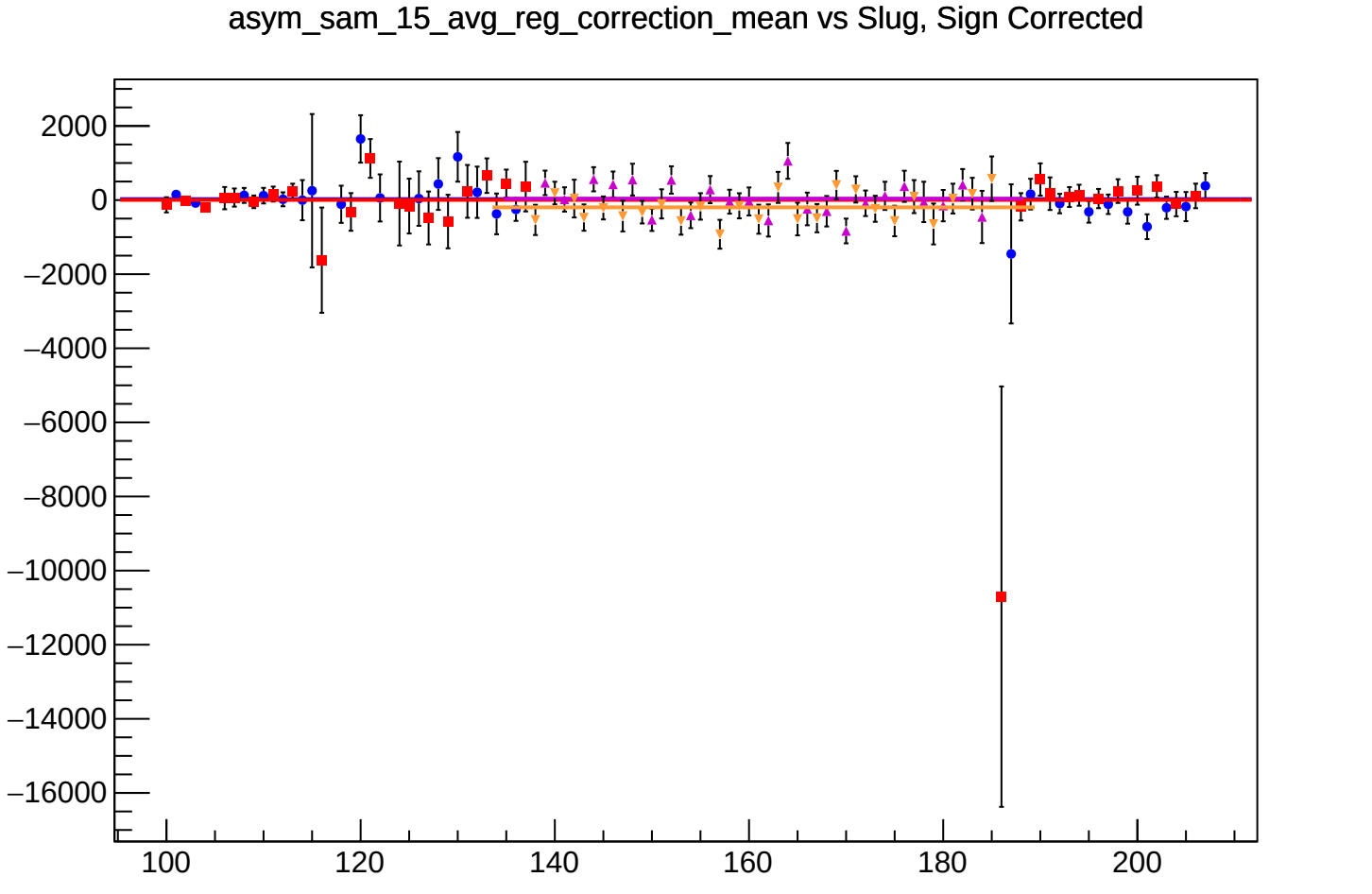
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.722+/-0.008 χ^2/NDF: 2424620.7/56

In: 61.398+/-0.008 χ^2/NDF:1337486.7/48

Out: 61.077+/-0.007 χ^2/NDF:2243309.9/55

All: 61.232+/-0.005 χ^2/NDF: 3581715.3/104



Right In: 26.353+/-42.478 χ^2/NDF: 27.1/25

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

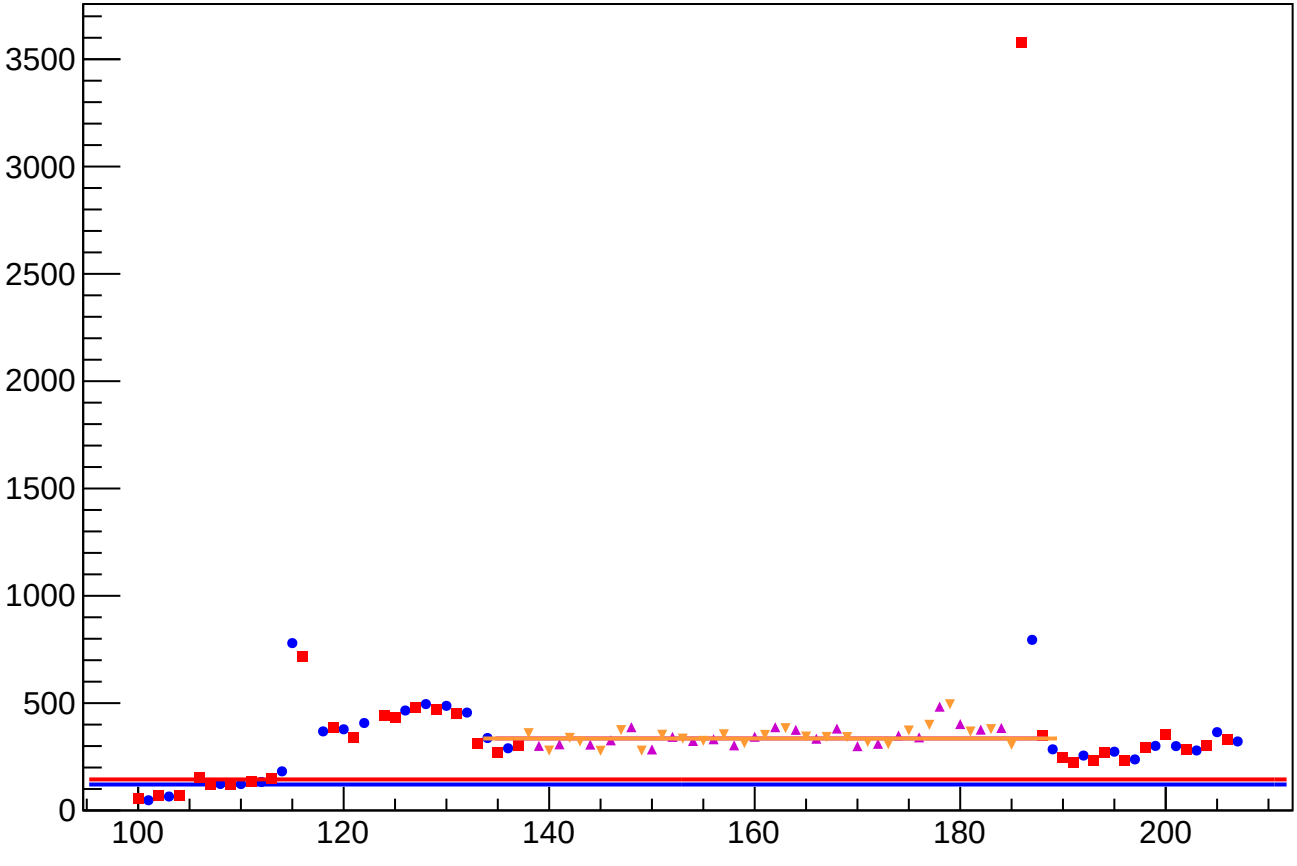
Right: 16.471+/-30.791 χ^2/NDF: 54.1/56

In: 28.601+/-37.435 χ^2/NDF:58.2/48

Out: -45.161+/-38.667 χ^2/NDF:52.7/55

All: -7.086+/-26.895 χ^2/NDF: 112.7/104

asym_sam_15_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 120.921+/-0.030 χ^2/NDF: 12851254.0/25

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

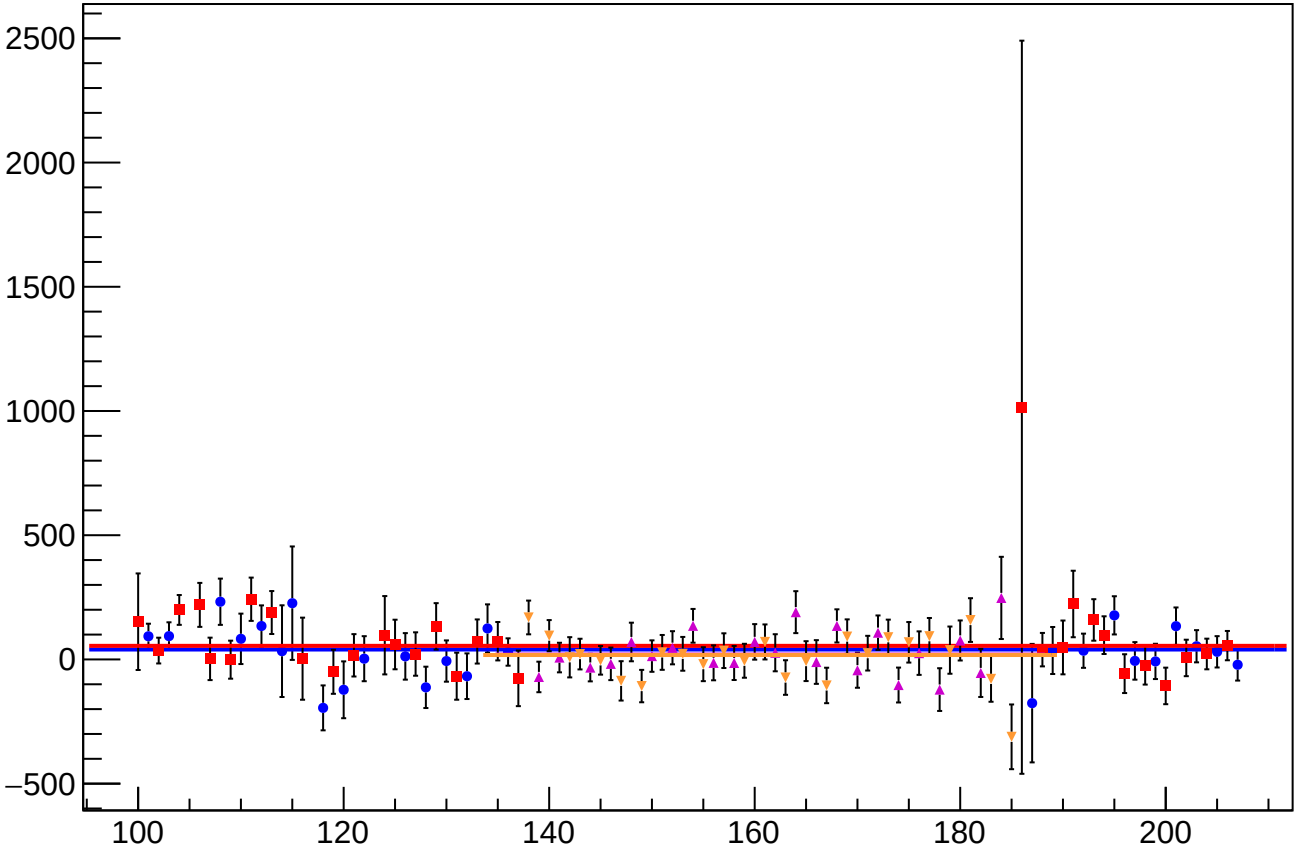
Right: 132.140+/-0.022 χ^2/NDF: 24481319.1/56

In: 168.853+/-0.026 χ^2/NDF:24748279.2/48

Out: 192.544+/-0.027 χ^2/NDF:21060663.1/55

All: 180.315+/-0.019 χ^2/NDF: 46196478.6/10

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 39.906+/-15.439 χ^2/NDF: 30.7/25

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

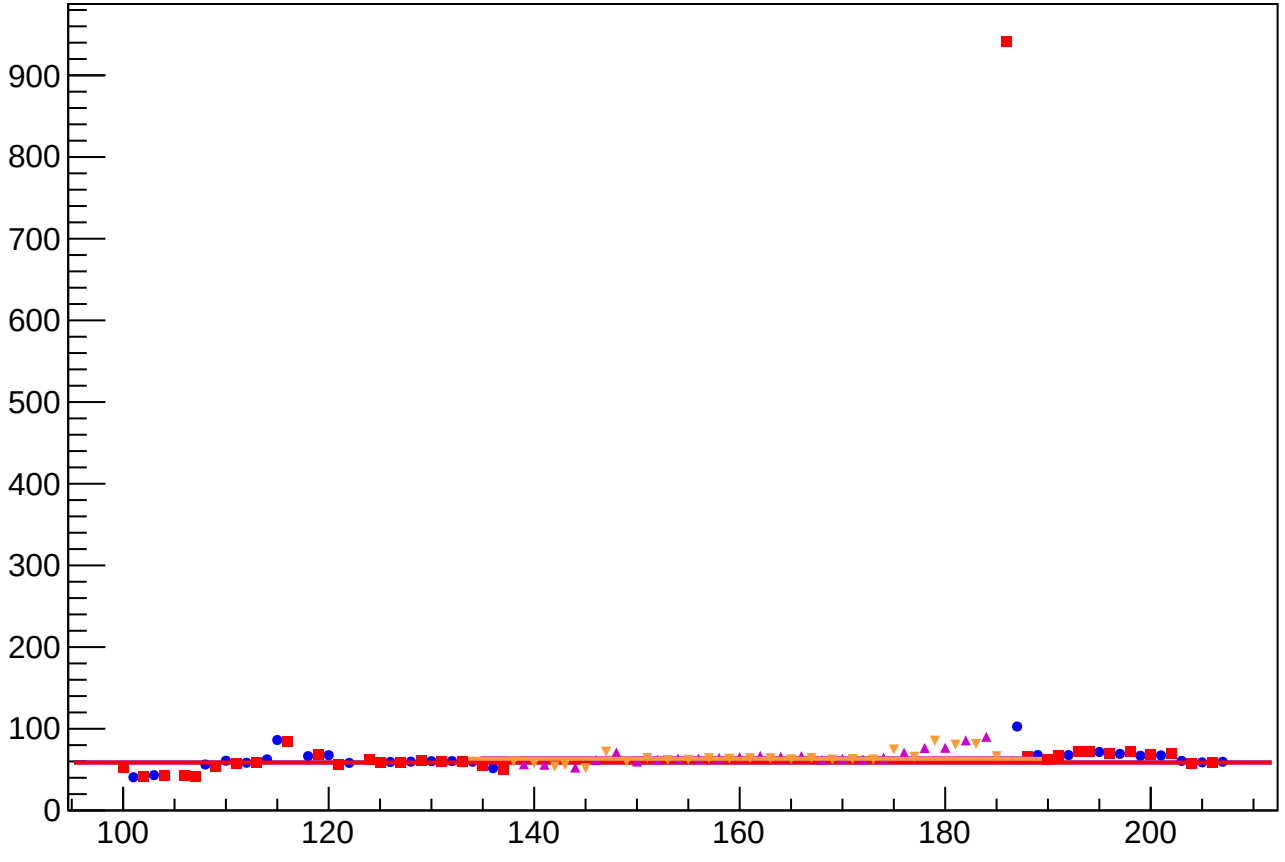
Right: 47.548+/-10.736 χ^2/NDF: 67.1/56

In: 29.509+/-10.773 χ^2/NDF:57.8/48

Out: 35.697+/-10.403 χ^2/NDF:70.6/55

All: 32.711+/-7.483 χ^2/NDF: 128.6/104

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.742+/-0.011 χ^2/NDF: 776831.7/25

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

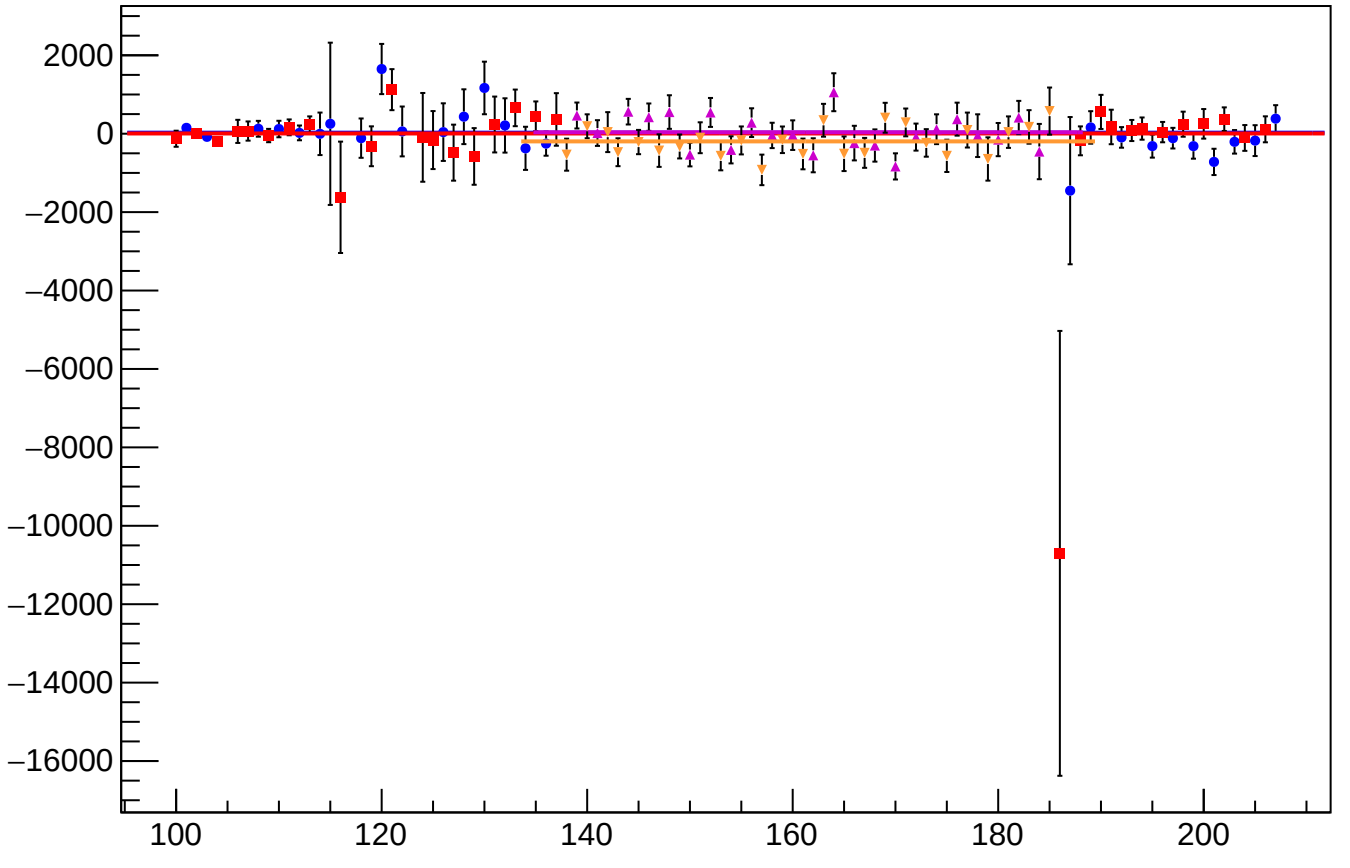
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.721+/-0.008 χ^2/NDF: 2425036.3/56

In: 61.398+/-0.008 χ^2/NDF:1337485.5/48

Out: 61.077+/-0.007 χ^2/NDF:2243756.8/55

All: 61.232+/-0.005 χ^2/NDF: 3582162.8/104



Right In: 26.357+/-42.477 χ^2/NDF: 27.1/25

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

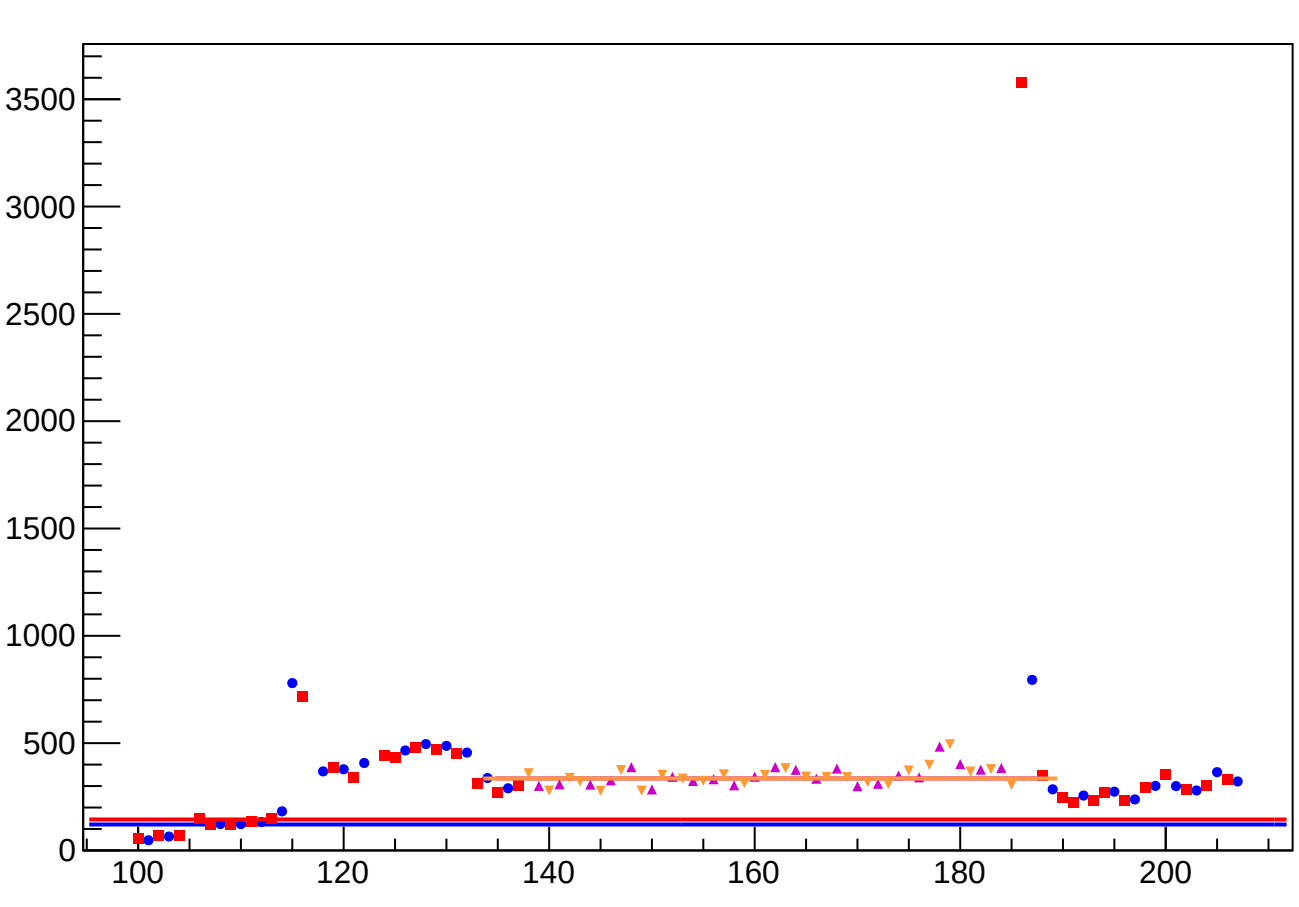
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

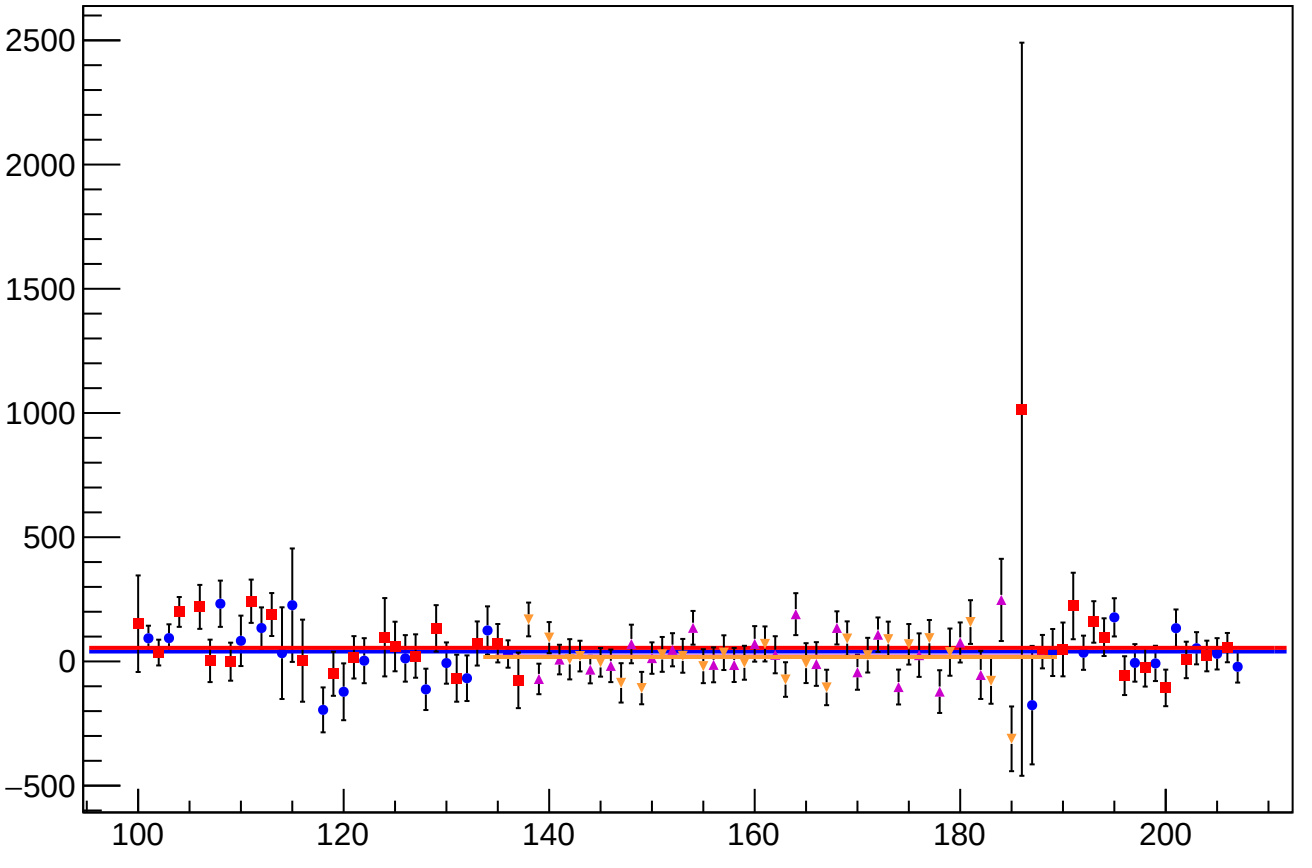
Right: 16.612+/-30.781 χ^2/NDF: 54.1/56

In: 28.603+/-37.434 χ^2/NDF:58.2/48

Out: -44.880+/-38.648 χ^2/NDF:52.7/55

All: -6.966+/-26.889 χ^2/NDF: 112.7/104


asym_sam_15_avg_cor_correction_rms vs Slug, Sign Corrected
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 120.918+/-0.030 χ²/NDF: 12851532.7/25
Left Out: 335.271+/-0.055 χ²/NDF:563797.0/24
Right Out: 144.372+/-0.032 χ²/NDF: 11340075.4/30
Left In: 335.526+/-0.056 χ²/NDF:495170.0/22
Left: 335.395+/-0.039 χ²/NDF: 1058977.6/47
Right: 132.056+/-0.022 χ²/NDF: 24481186.4/56
In: 168.849+/-0.026 χ²/NDF:24748998.0/48
Out: 192.354+/-0.027 χ²/NDF:21086003.9/55
All: 180.227+/-0.019 χ²/NDF: 46216668.7/10



Right In: 39.906+/-15.439 χ^2/NDF: 30.7/25

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

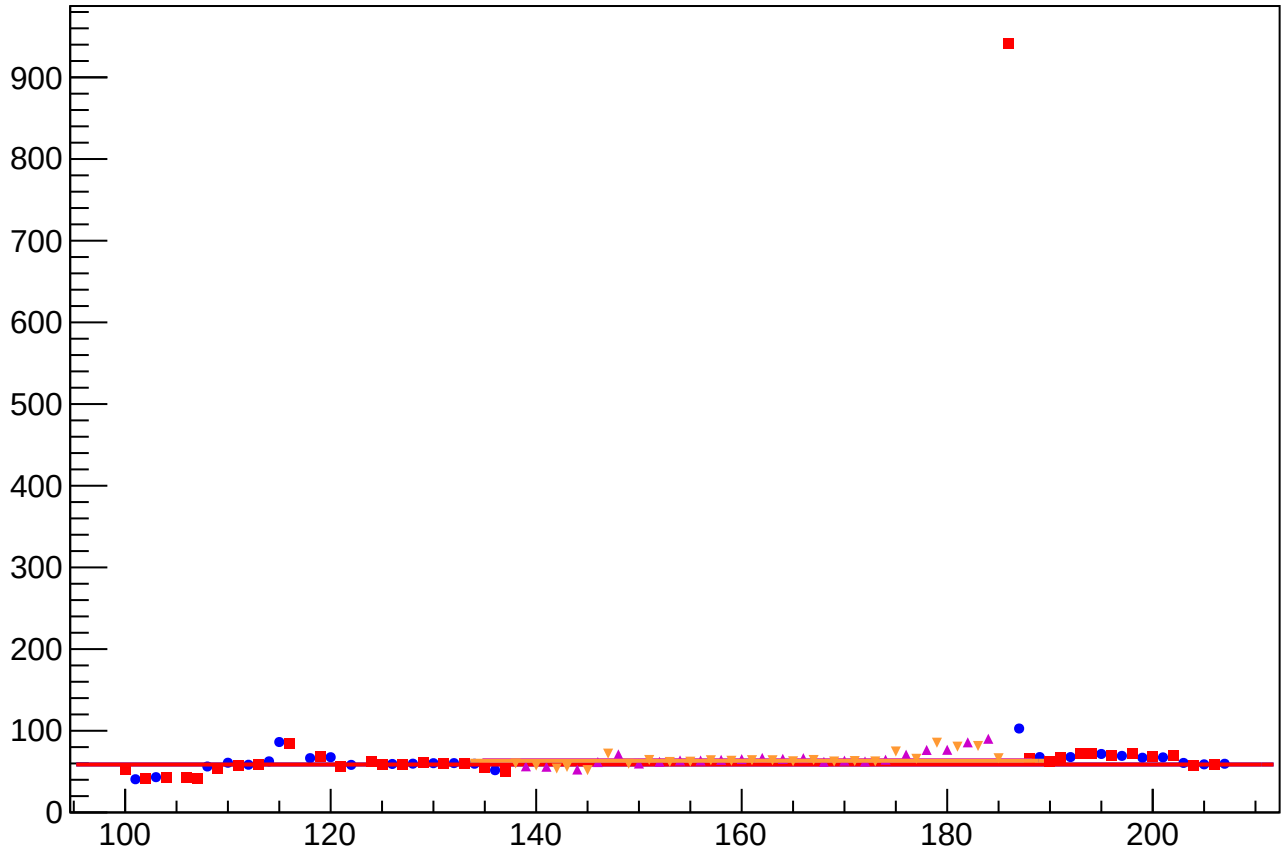
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 47.548+/-10.736 χ^2/NDF: 67.1/56

In: 29.509+/-10.773 χ^2/NDF:57.8/48

Out: 35.697+/-10.403 χ^2/NDF:70.6/55

All: 32.711+/-7.483 χ^2/NDF: 128.6/104



Right In: 58.742+/-0.011 χ^2/NDF: 776831.7/25

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

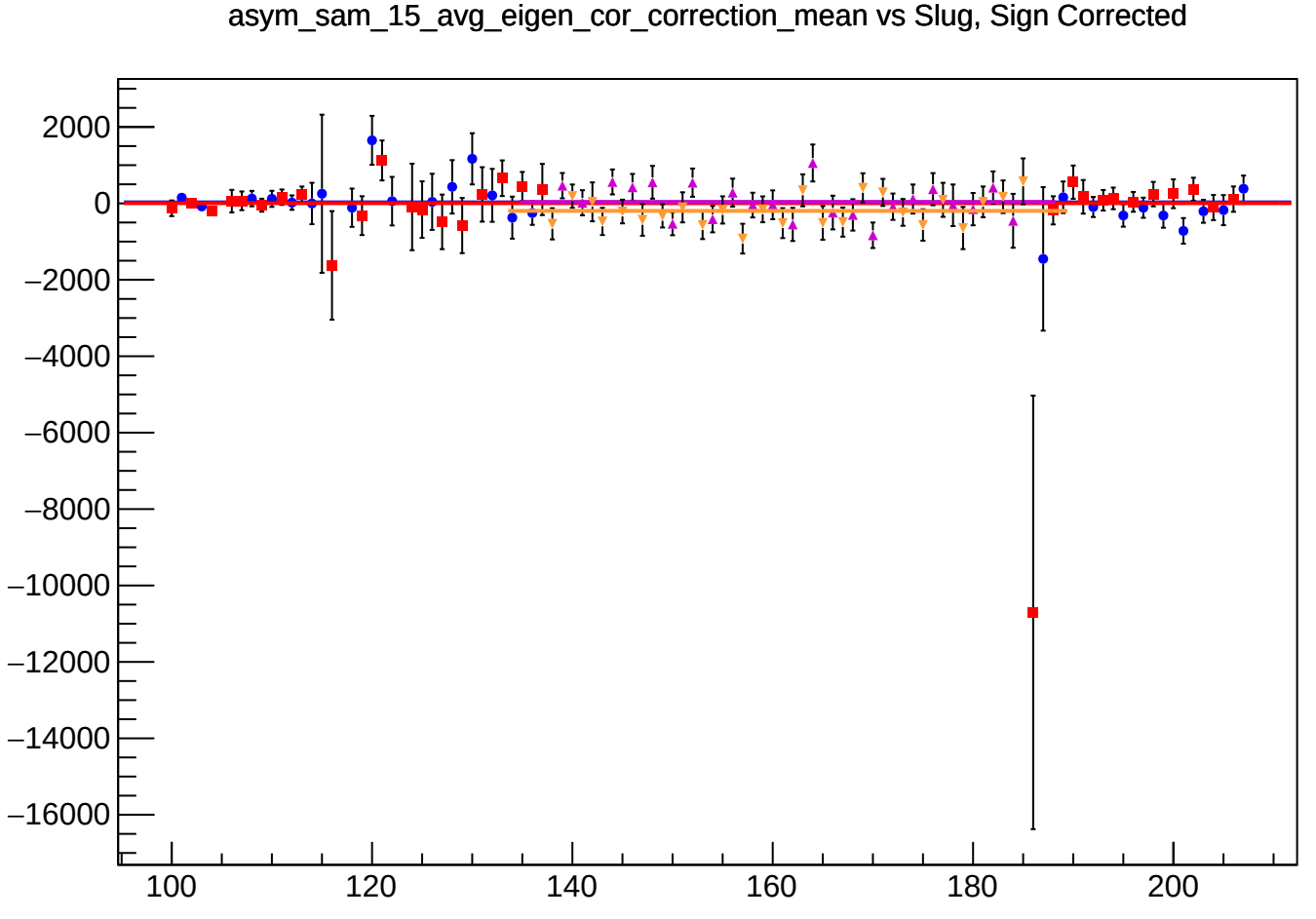
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.721+/-0.008 χ^2/NDF: 2425036.3/56

In: 61.398+/-0.008 χ^2/NDF:1337485.5/48

Out: 61.077+/-0.007 χ^2/NDF:2243756.8/55

All: 61.232+/-0.005 χ^2/NDF: 3582162.8/104



Right In: 26.357+/-42.477 χ^2/NDF: 27.1/25

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

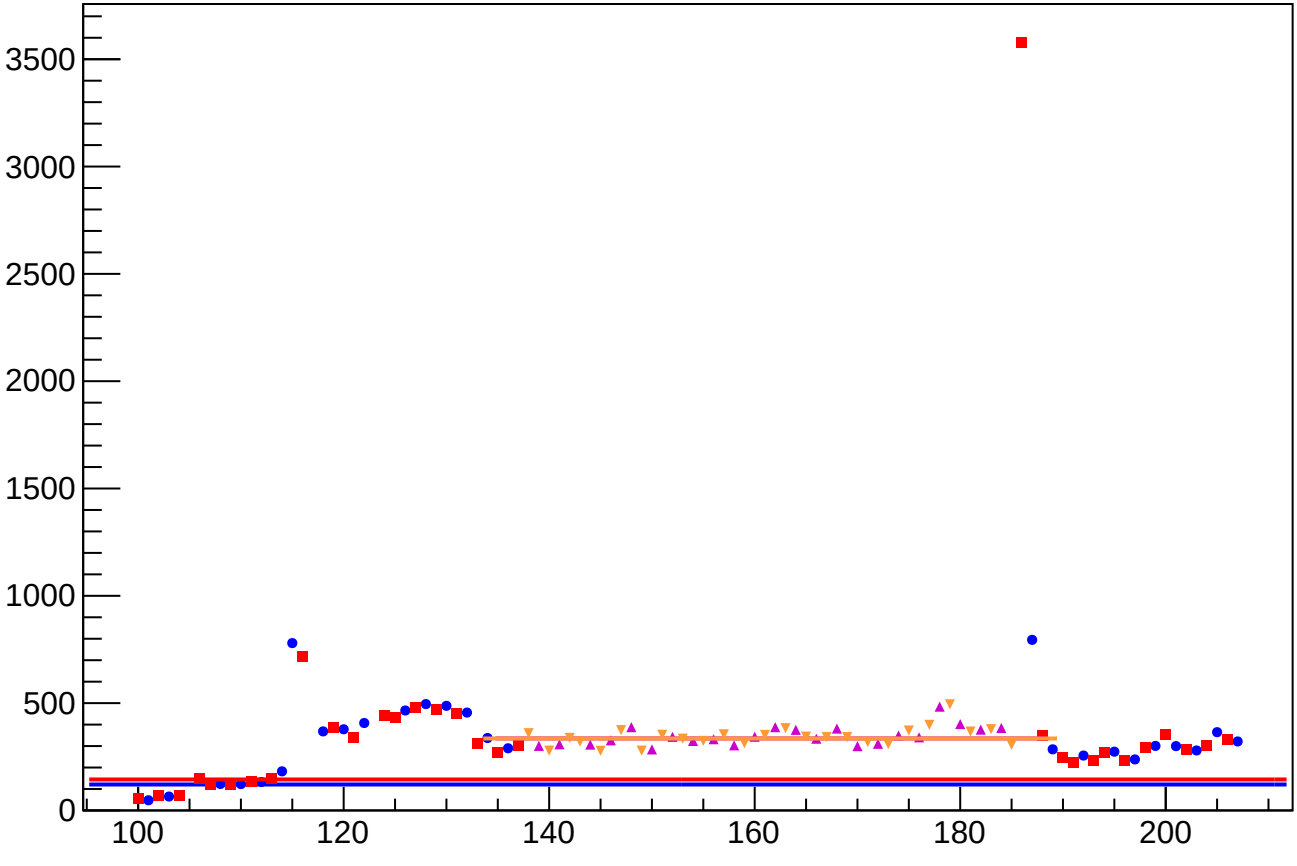
Right: 16.612+/-30.781 χ^2/NDF: 54.1/56

In: 28.603+/-37.434 χ^2/NDF:58.2/48

Out: -44.880+/-38.648 χ^2/NDF:52.7/55

All: -6.966+/-26.889 χ^2/NDF: 112.7/104

asym_sam_15_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 120.918+/-0.030 χ^2/NDF: 12851532.7/25

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

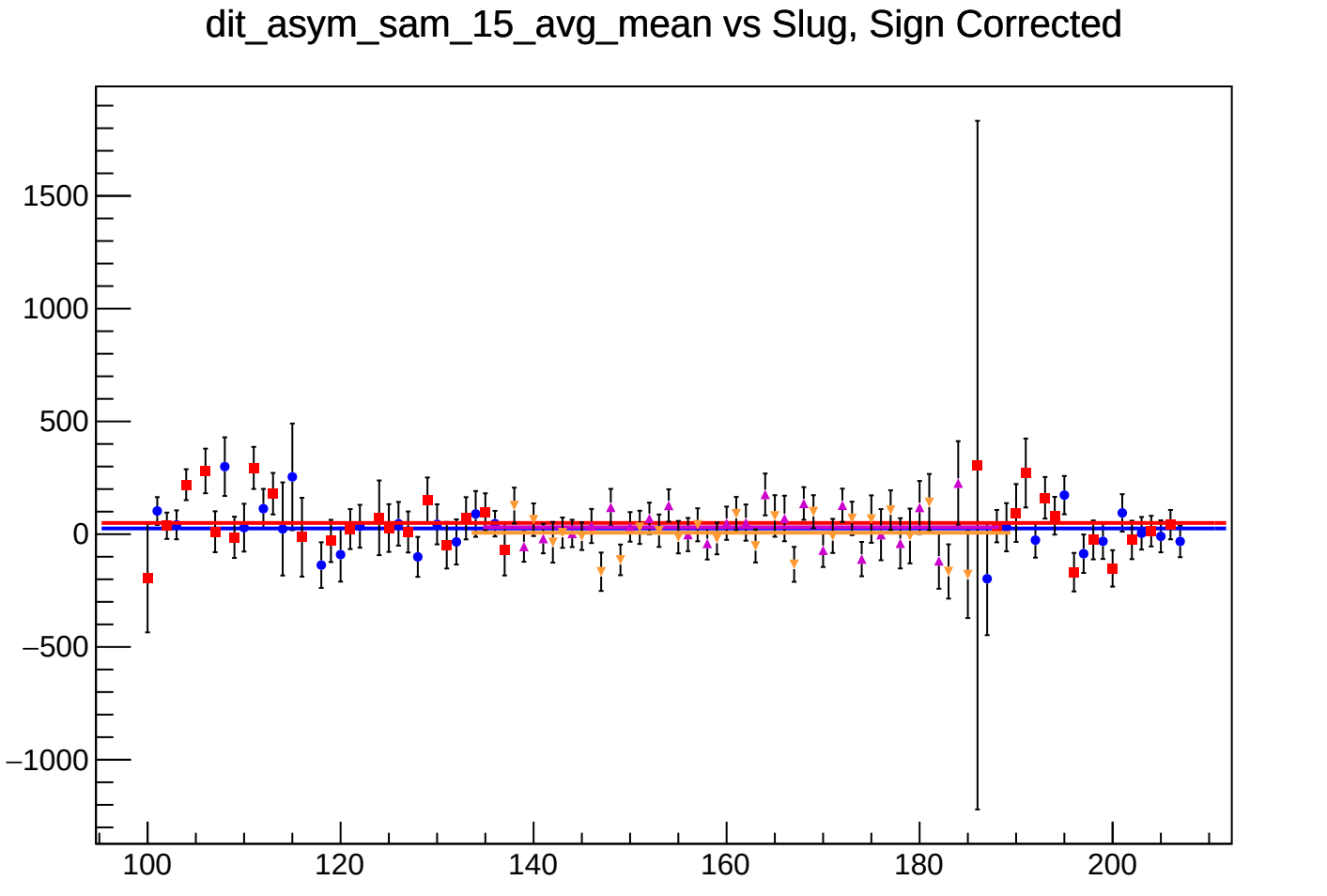
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 132.056+/-0.022 χ^2/NDF: 24481186.4/56

In: 168.849+/-0.026 χ^2/NDF:24748998.0/48

Out: 192.354+/-0.027 χ^2/NDF:21086003.9/55

All: 180.227+/-0.019 χ^2/NDF: 46216668.7/10



Right In: 25.382+/-17.085 χ^2/NDF: 22.8/25

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

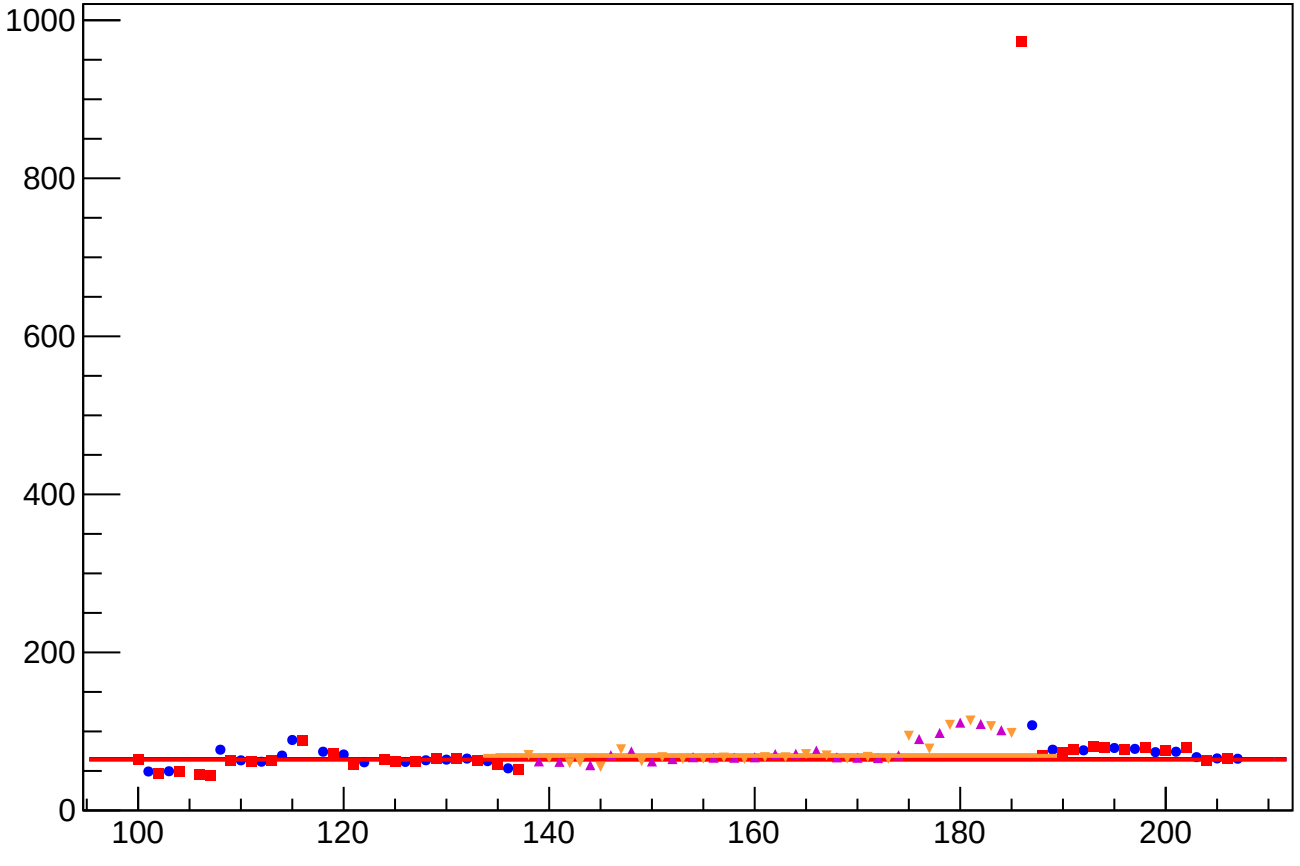
Right: 38.053+/-11.827 χ^2/NDF: 69.1/56

In: 28.113+/-11.870 χ^2/NDF:45.3/48

Out: 27.541+/-11.440 χ^2/NDF:73.8/55

All: 27.817+/-8.237 χ^2/NDF: 119.2/104

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.006+/-0.012 χ^2/NDF: 681308.1/25

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

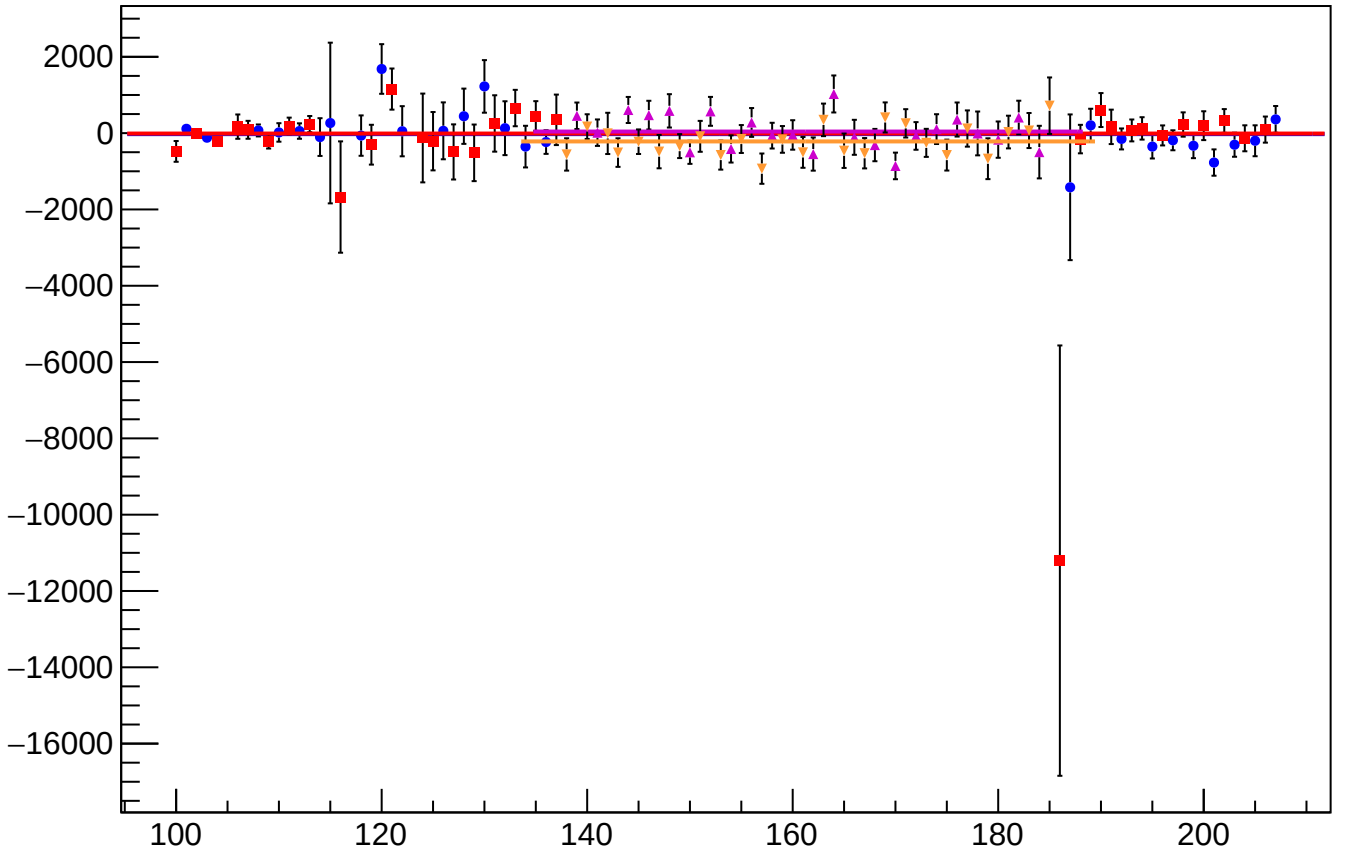
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 64.626+/-0.008 χ^2/NDF: 2317124.5/56

In: 67.298+/-0.008 χ^2/NDF:1675472.9/48

Out: 66.738+/-0.008 χ^2/NDF:2795967.0/55

All: 67.008+/-0.006 χ^2/NDF: 4473746.0/104



Right In: -26.209+/-47.992 χ^2/NDF: 25.6/25

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

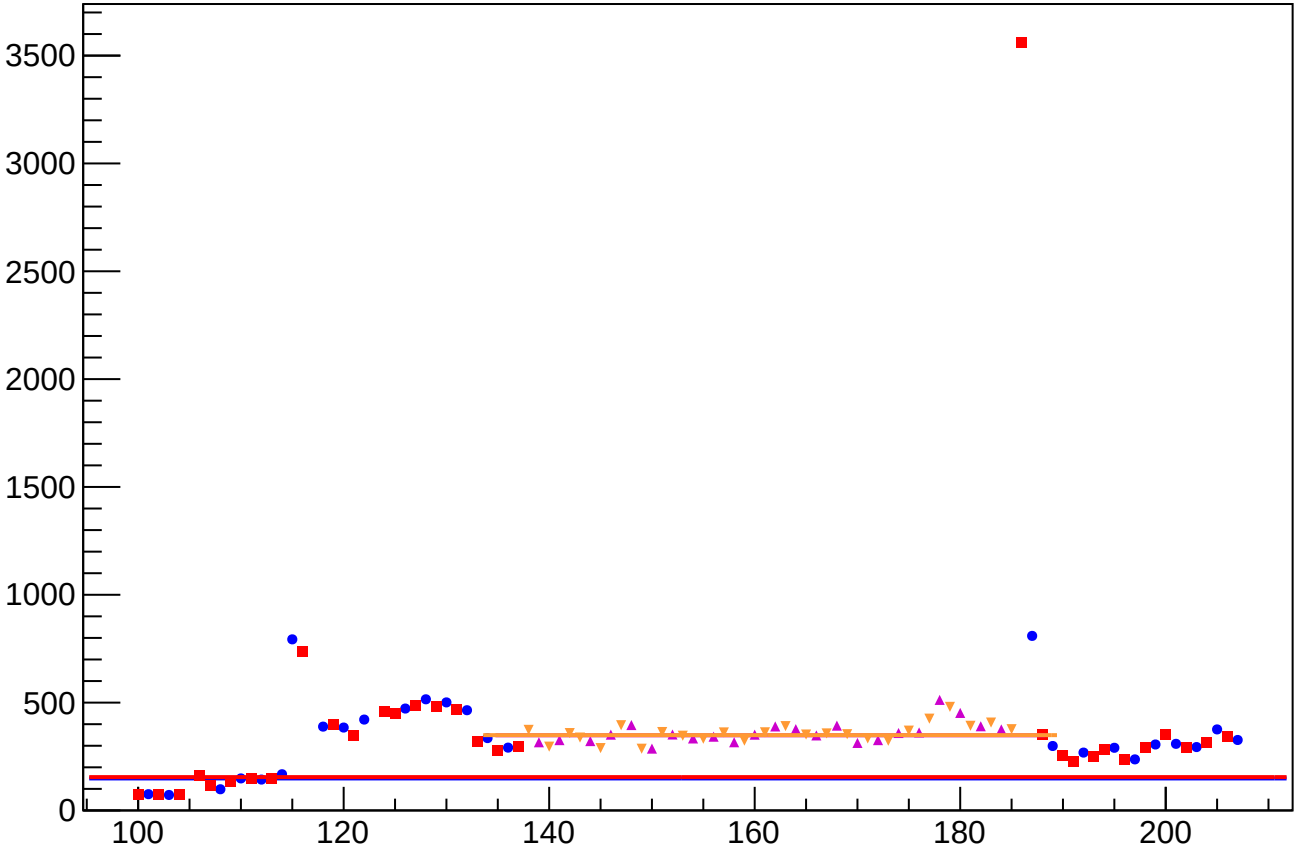
Right: -18.382+/-33.573 χ^2/NDF: 56.2/56

In: -9.011+/-41.453 χ^2/NDF:56.1/48

Out: -63.698+/-40.529 χ^2/NDF:54.8/55

All: -36.970+/-28.979 χ^2/NDF: 111.8/104

asym_sam_15_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 148.453+/-0.034 χ^2/NDF: 10472060.9/25

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

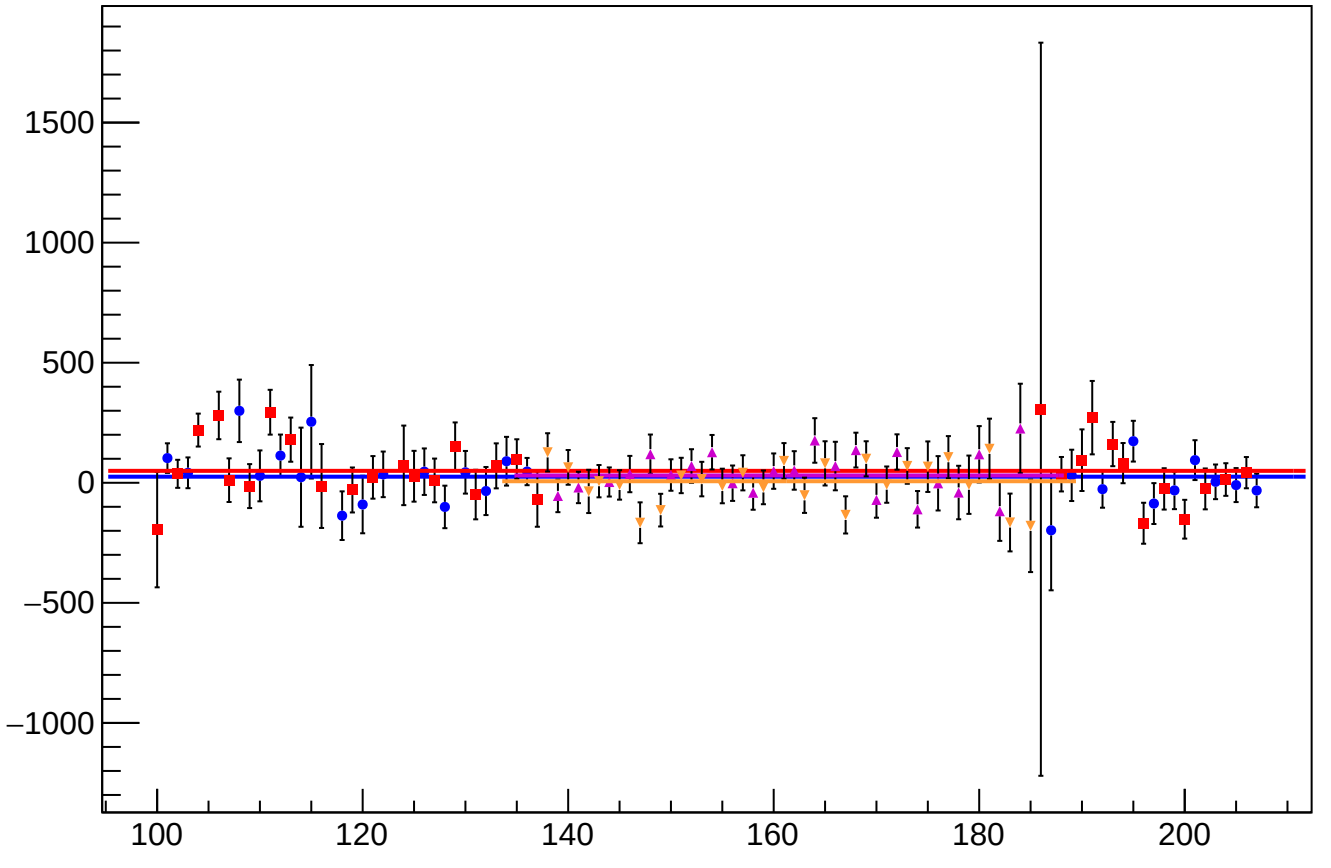
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 151.583+/-0.024 χ^2/NDF: 21240092.4/56

In: 199.272+/-0.029 χ^2/NDF:19828162.2/48

Out: 204.361+/-0.029 χ^2/NDF:20052541.7/55

All: 201.874+/-0.020 χ^2/NDF: 39896112.6/10



Right In: 25.382+/-17.085 χ^2/NDF: 22.8/25

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

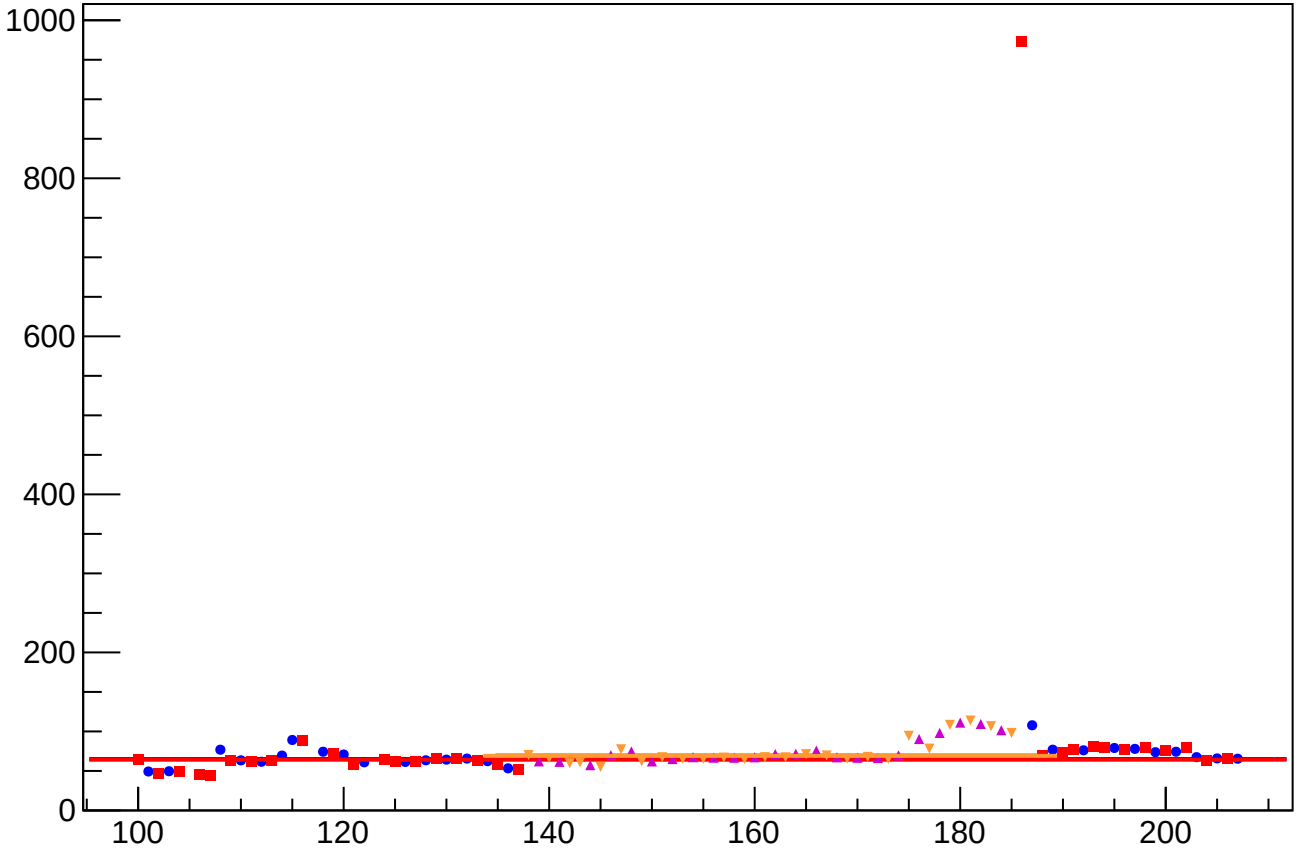
Right: 38.052+/-11.827 χ^2/NDF: 69.1/56

In: 28.113+/-11.870 χ^2/NDF:45.3/48

Out: 27.541+/-11.440 χ^2/NDF:73.8/55

All: 27.817+/-8.237 χ^2/NDF: 119.2/104

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 65.006+/-0.012 χ^2/NDF: 681308.2/25

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

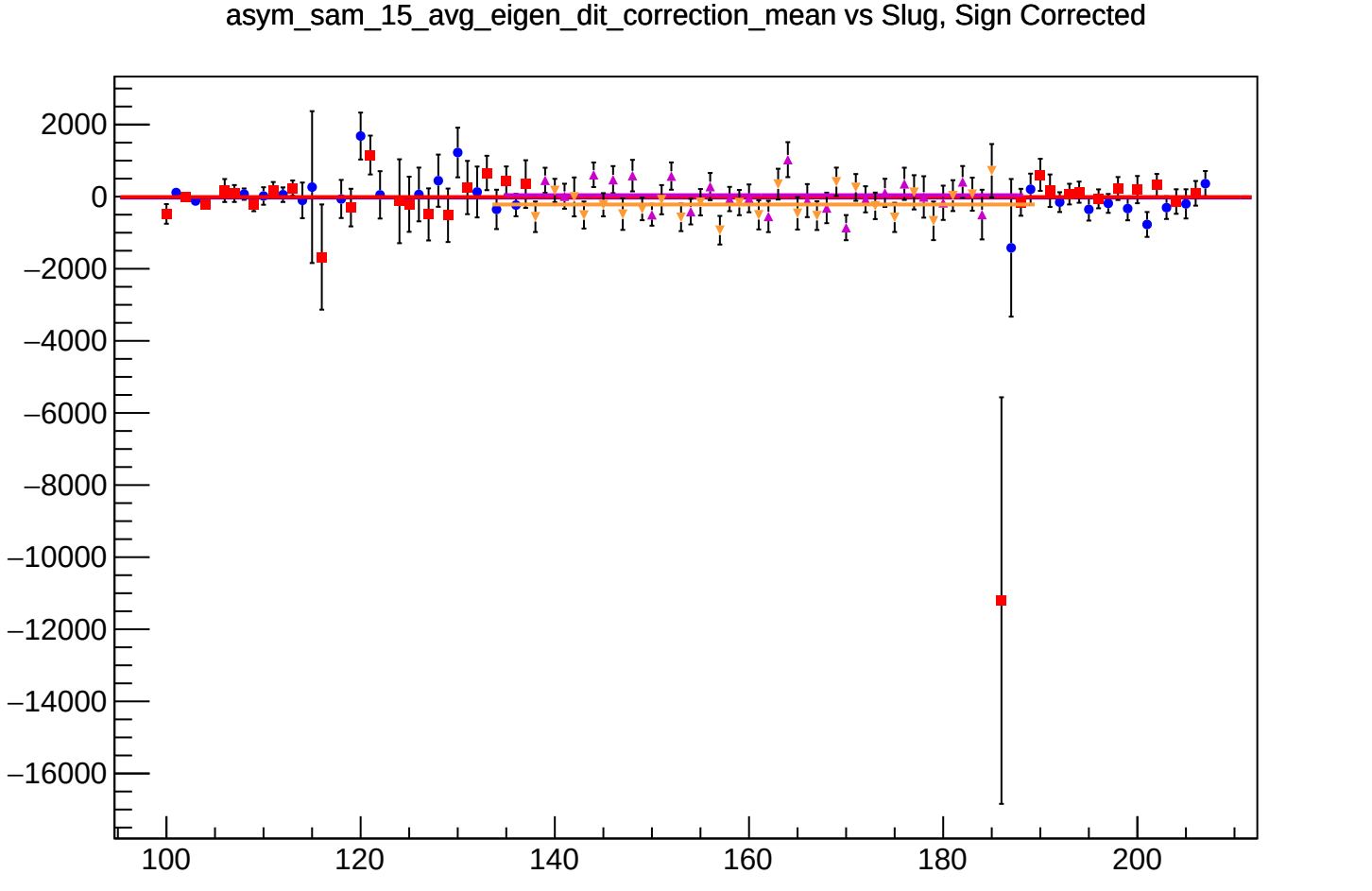
Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

Right: 64.626+/-0.008 χ^2/NDF: 2317124.5/56

In: 67.298+/-0.008 χ^2/NDF:1675464.4/48

Out: 66.738+/-0.008 χ^2/NDF:2795954.9/55

All: 67.008+/-0.006 χ^2/NDF: 4473725.8/104



Right In: -26.209+/-47.992 χ^2/NDF: 25.6/25

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

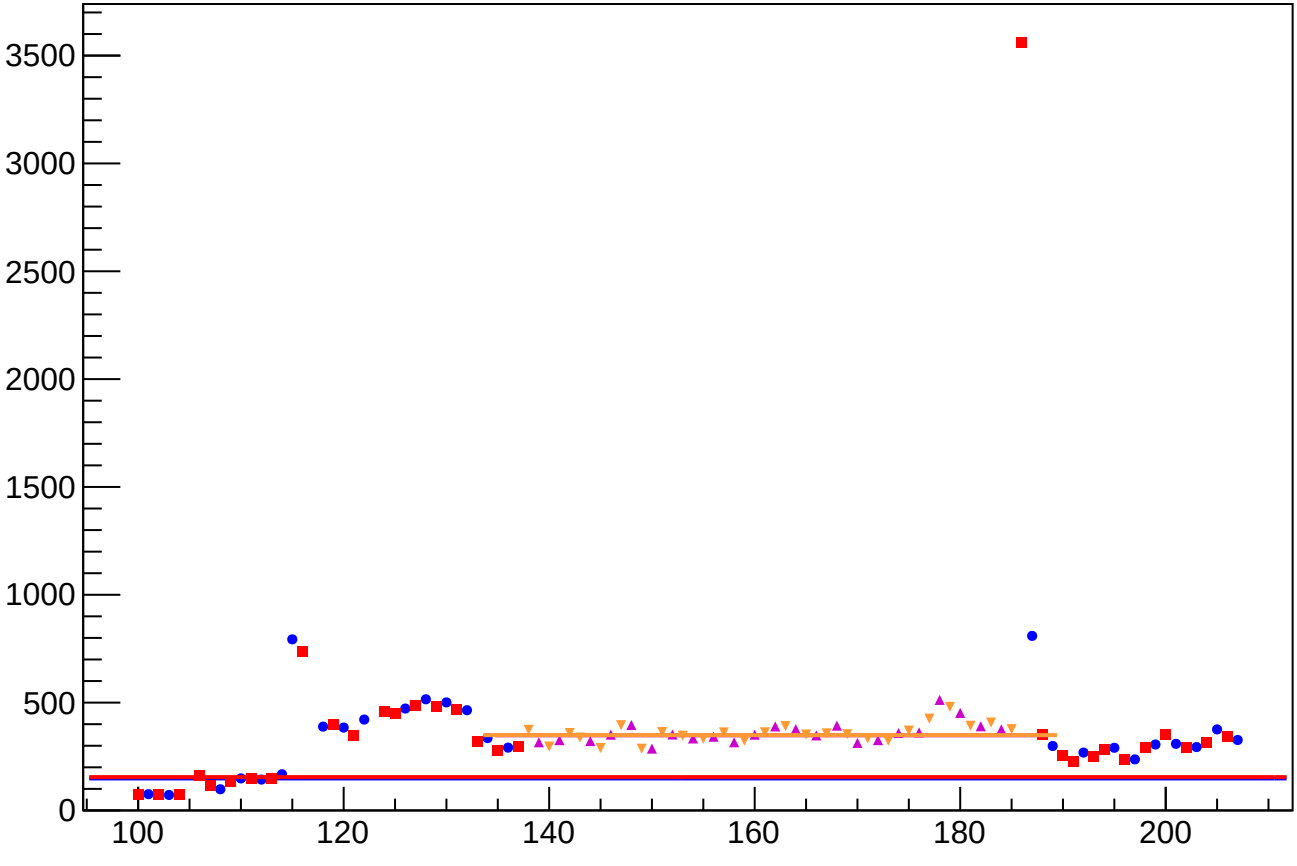
Right: -18.382+/-33.573 χ^2/NDF: 56.2/56

In: -9.011+/-41.453 χ^2/NDF:56.1/48

Out: -63.697+/-40.529 χ^2/NDF:54.8/55

All: -36.970+/-28.979 χ^2/NDF: 111.8/104

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 148.453+/-0.034 χ^2/NDF: 10472072.7/25

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

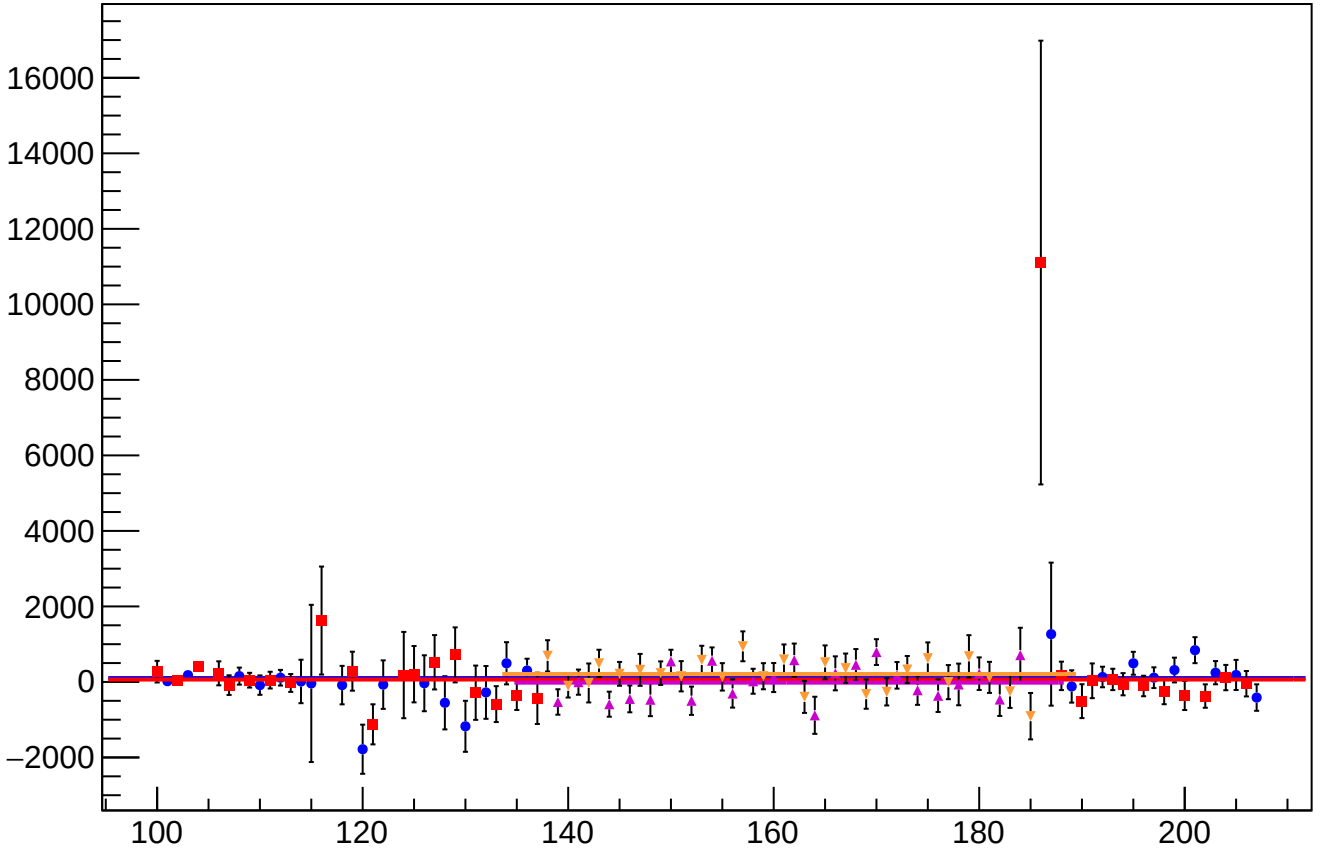
Right: 151.582+/-0.024 χ^2/NDF: 21240147.5/56

In: 199.272+/-0.029 χ^2/NDF:19828232.1/48

Out: 204.361+/-0.029 χ^2/NDF:20052653.8/55

All: 201.874+/-0.020 χ^2/NDF: 39896294.0/10

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 102.379+/-51.873 χ^2/NDF: 25.9/25

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

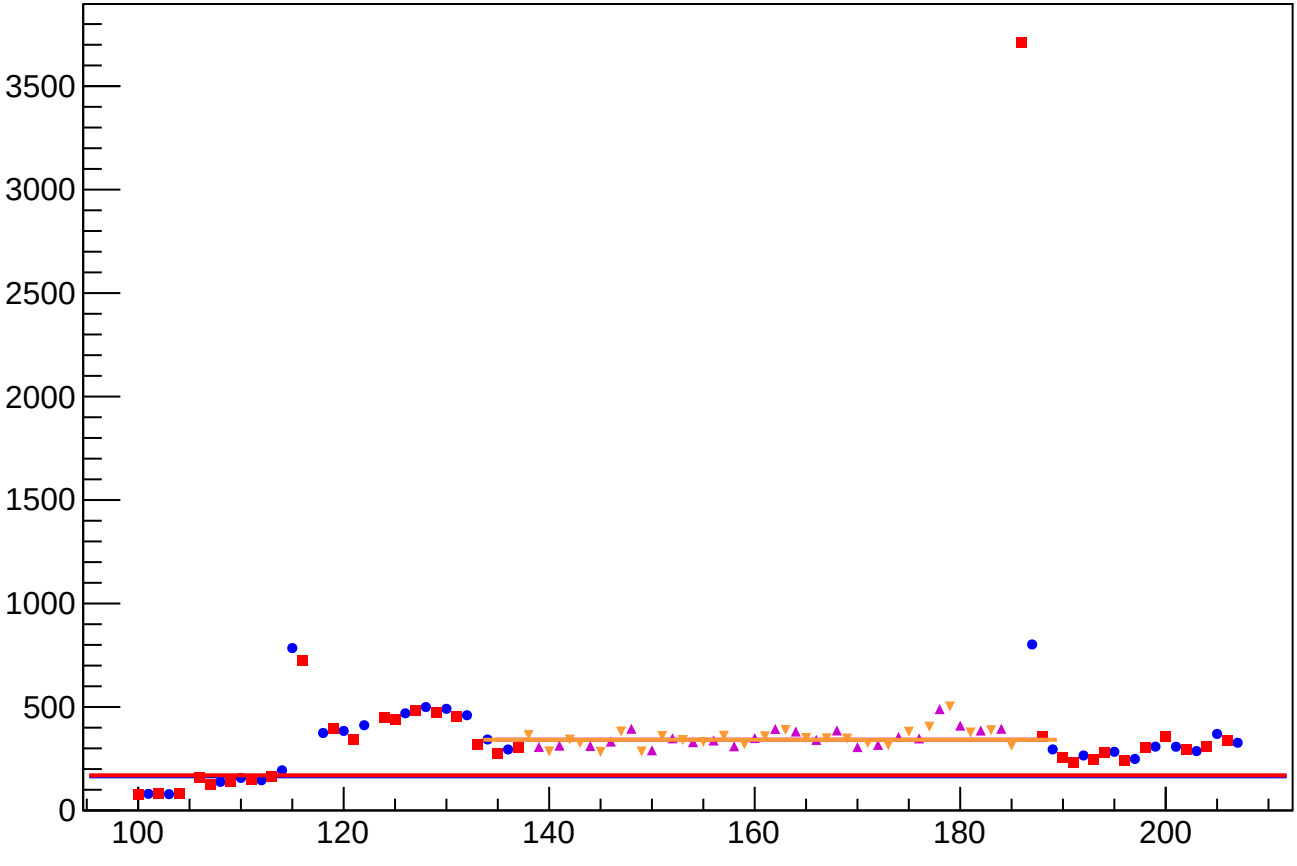
Right: 82.450+/-36.084 χ^2/NDF: 58.4/56

In: 66.967+/-43.636 χ^2/NDF:59.5/48

Out: 106.183+/-42.311 χ^2/NDF:56.1/55

All: 87.179+/-30.376 χ^2/NDF: 116.0/104

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 164.928+/-0.037 χ^2/NDF: 9252121.4/25

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

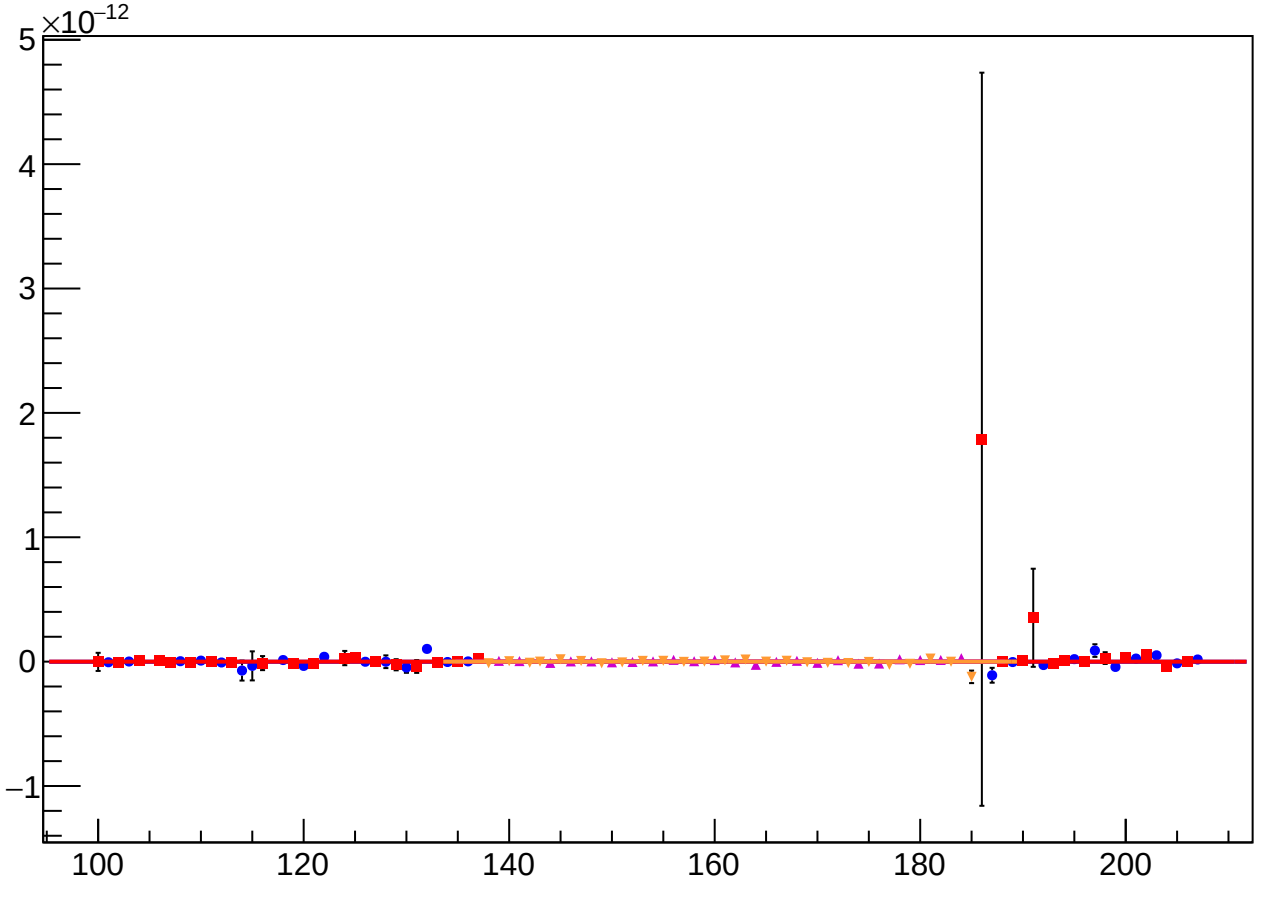
Right: 167.459+/-0.026 χ^2/NDF: 18729679.2/56

In: 216.683+/-0.031 χ^2/NDF:16547095.4/48

Out: 219.714+/-0.030 χ^2/NDF:16814092.2/55

All: 218.245+/-0.021 χ^2/NDF: 33366162.4/10

asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/25

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

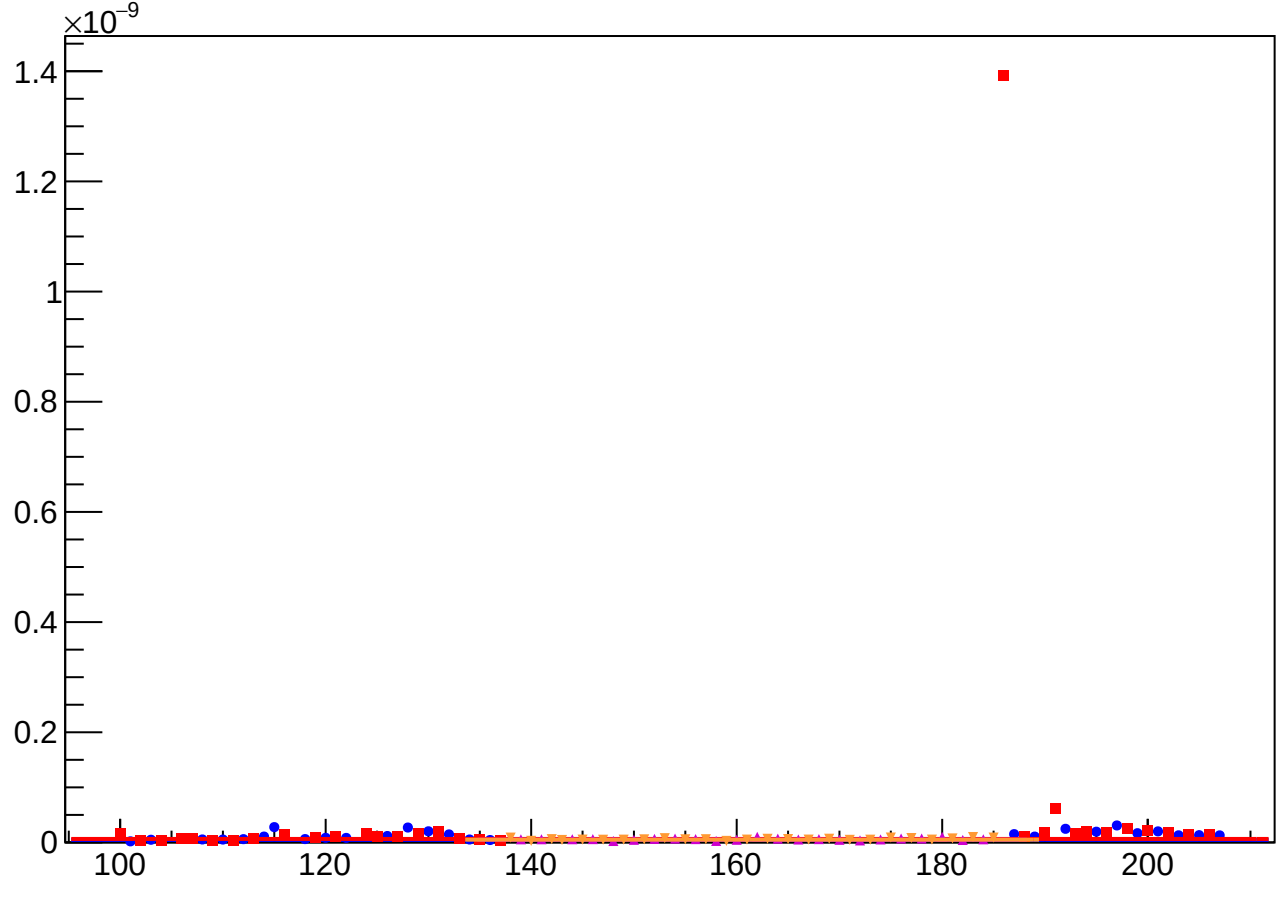
Right: -0.000+/-0.000 χ^2/NDF: 56.6/56

In: 0.000+/-0.000 χ^2/NDF:56.0/48

Out: 0.000+/-0.000 χ^2/NDF:50.0/55

All: 0.000+/-0.000 χ^2/NDF: 106.0/104

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5999641.4/25

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

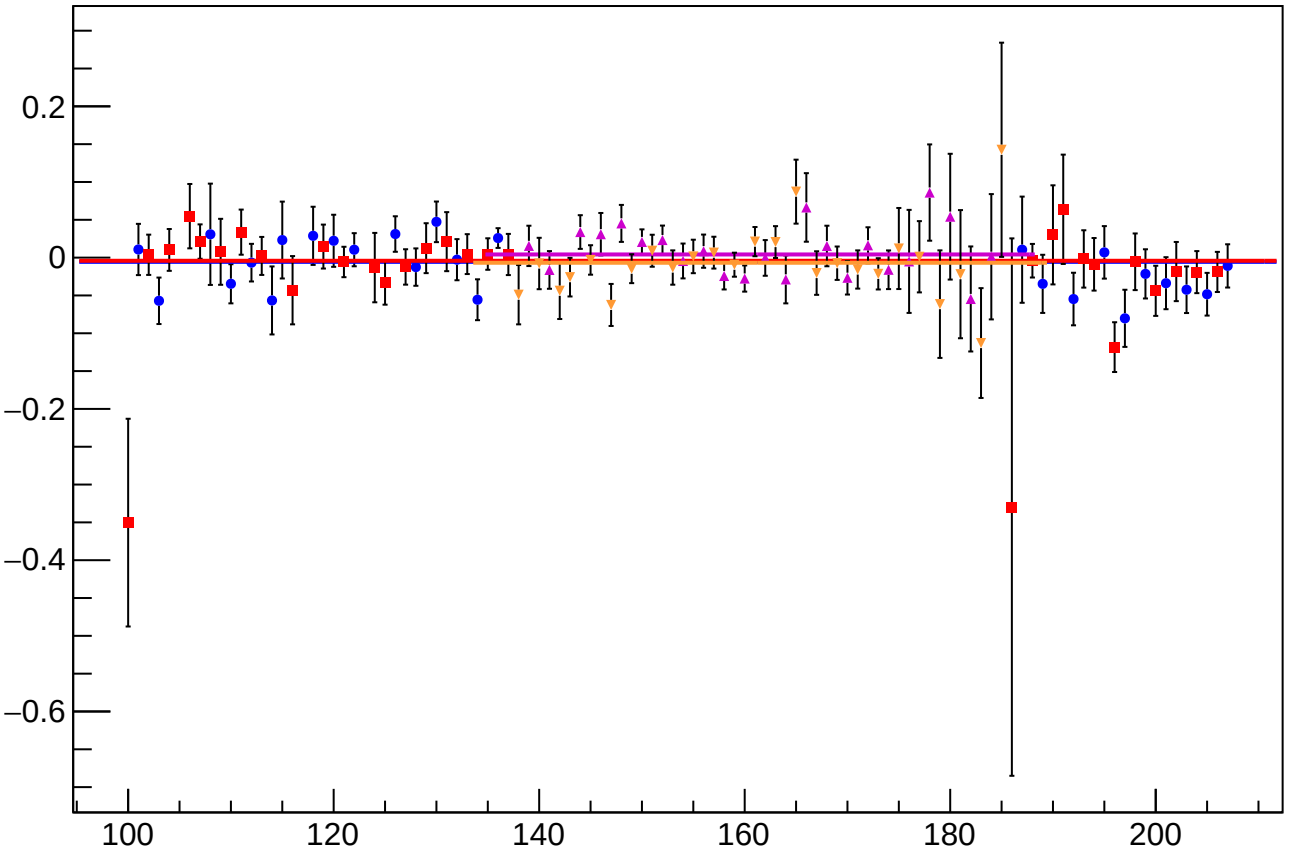
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 11377142.5/56

In: 0.000+/-0.000 χ^2/NDF:7252826.2/48

Out: 0.000+/-0.000 χ^2/NDF:6528008.3/55

All: 0.000+/-0.000 χ^2/NDF: 13927547.7/104



Right In: -0.006+/-0.006 χ^2/NDF: 35.2/25

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

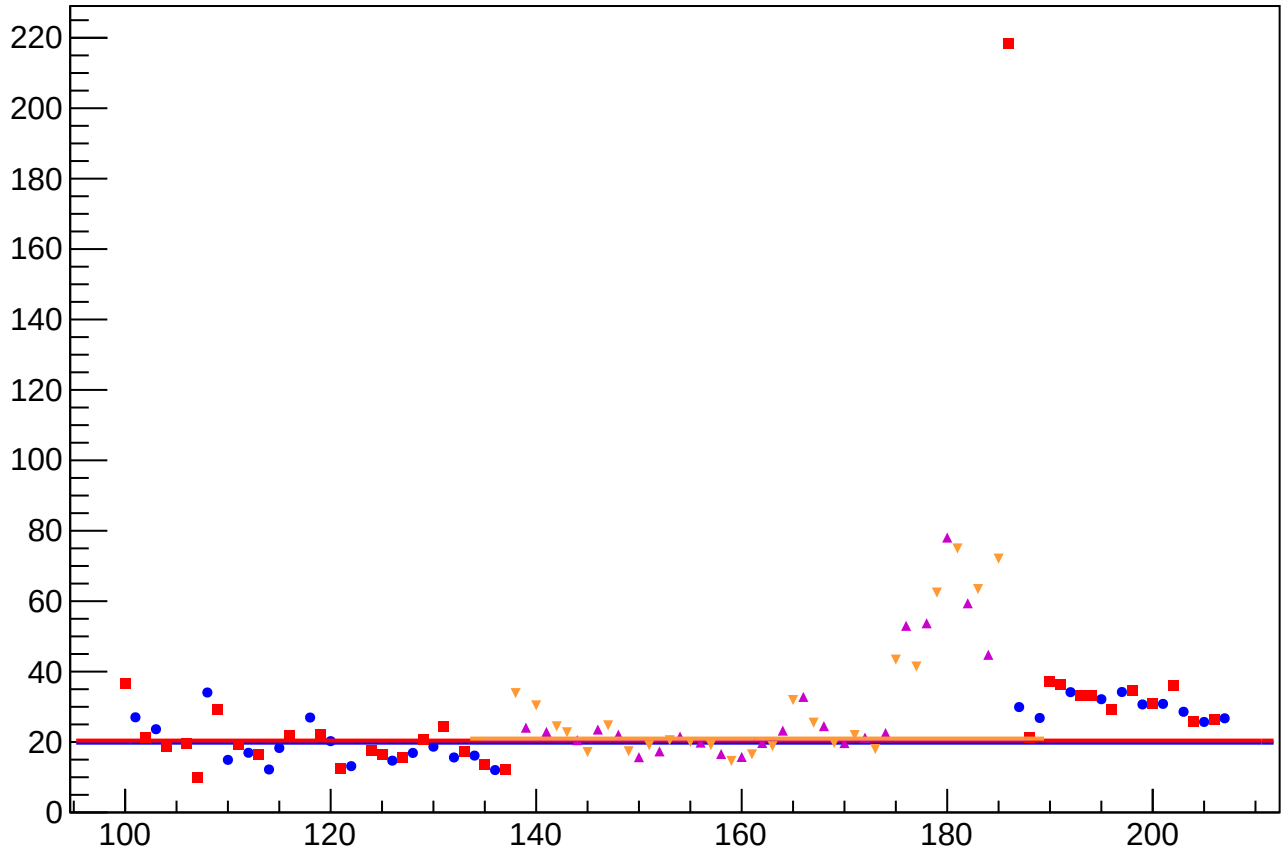
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: -0.005+/-0.004 χ^2/NDF: 66.5/56

In: -0.000+/-0.004 χ^2/NDF:60.0/48

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 114.0/104



Right In: 19.822+/-0.004 χ^2/NDF: 3332537.1/25

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

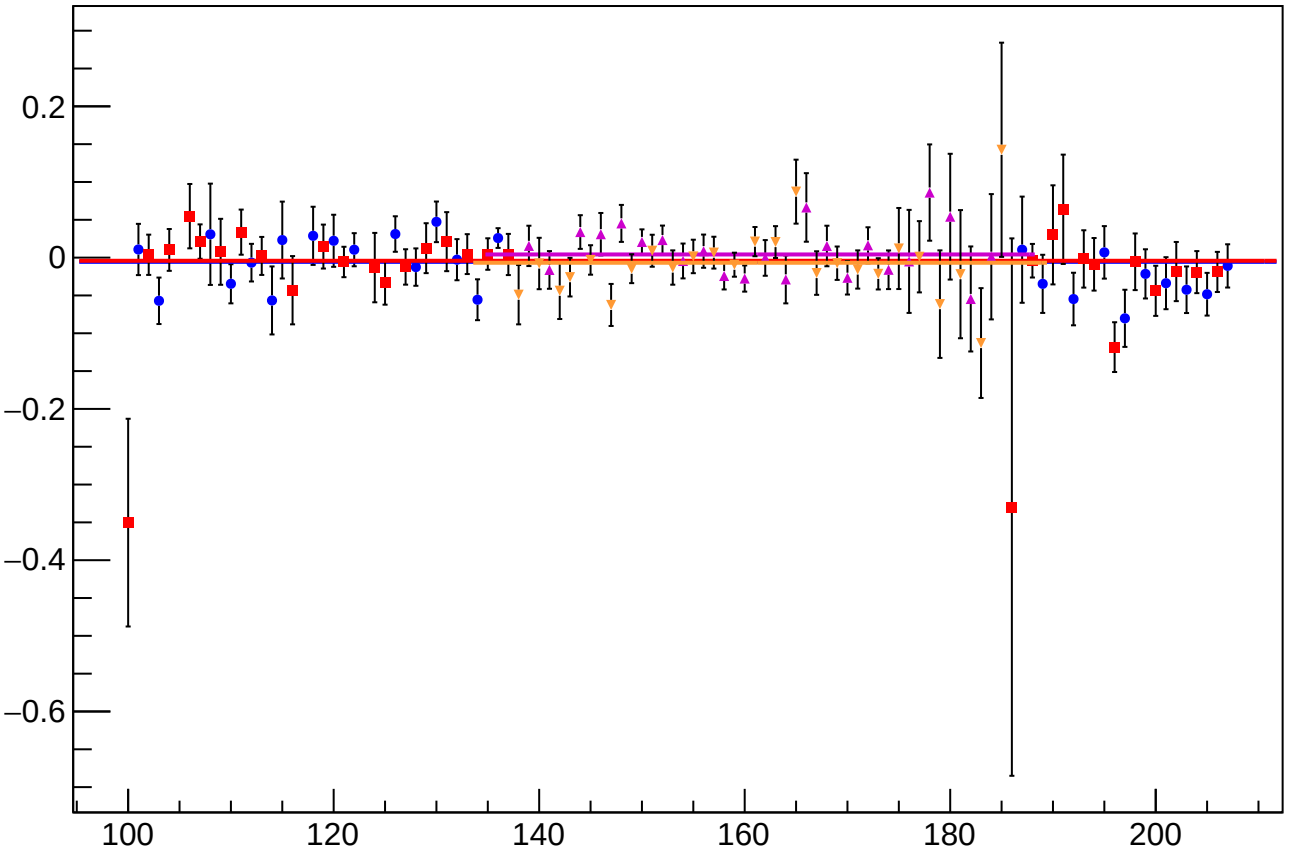
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 20.121+/-0.003 χ^2/NDF: 7289902.6/56

In: 20.376+/-0.003 χ^2/NDF:6904166.1/48

Out: 20.713+/-0.003 χ^2/NDF:8424468.2/55

All: 20.547+/-0.002 χ^2/NDF: 15336452.3/104



Right In: -0.006+/-0.006 χ^2/NDF: 35.2/25

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

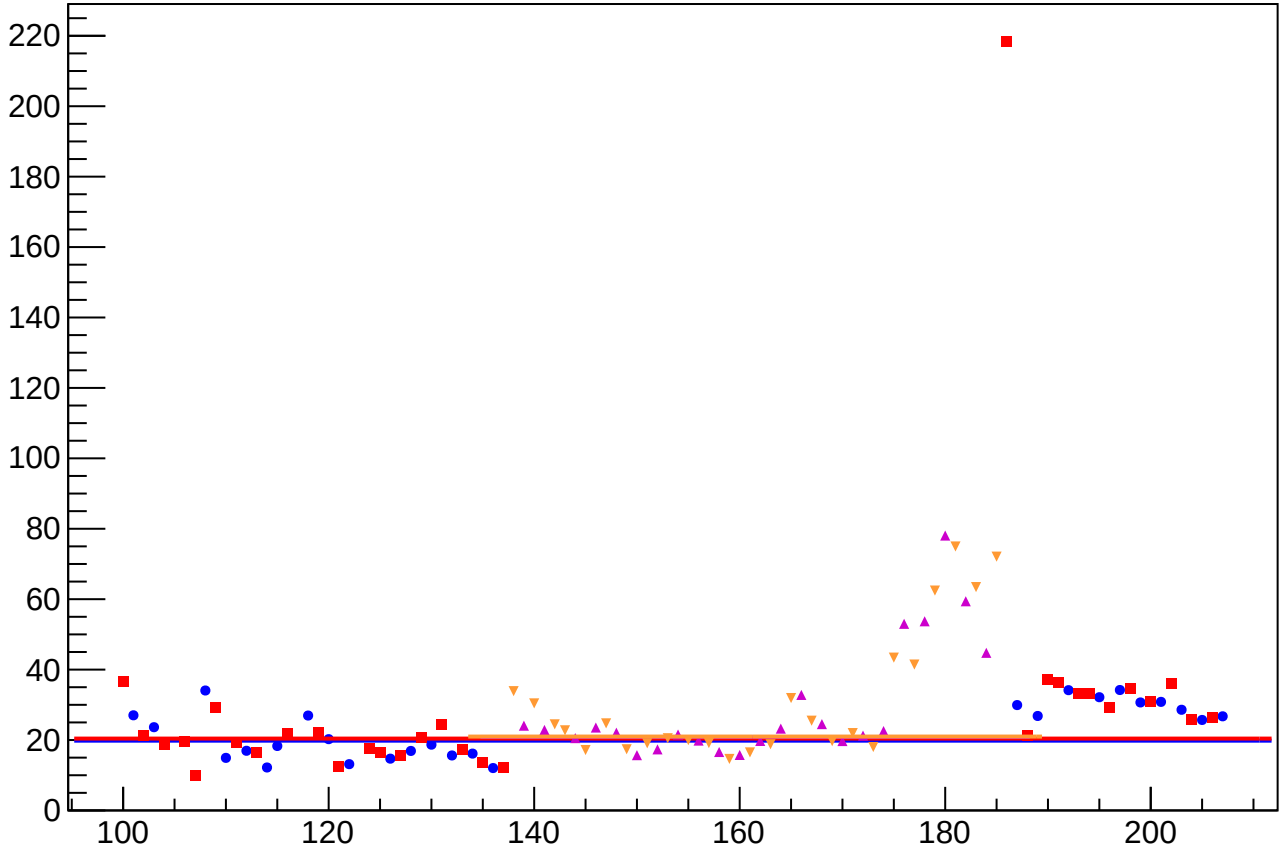
Right: -0.005+/-0.004 χ^2/NDF: 66.5/56

In: -0.000+/-0.004 χ^2/NDF:60.0/48

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 114.0/104

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.822+/-0.004 χ^2/NDF: 3332537.1/25

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

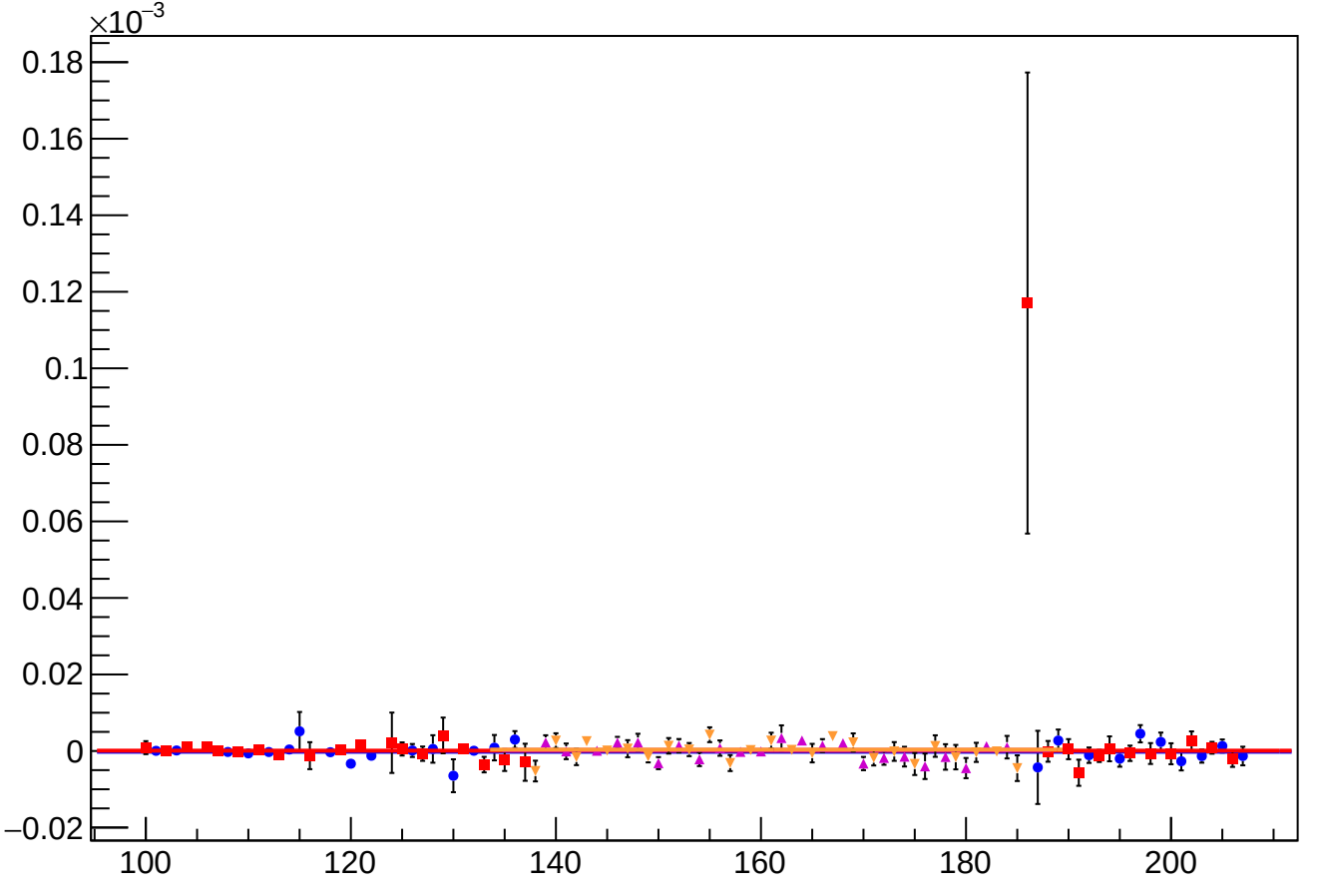
Right: 20.121+/-0.003 χ^2/NDF: 7289902.6/56

In: 20.376+/-0.003 χ^2/NDF:6904166.1/48

Out: 20.713+/-0.003 χ^2/NDF:8424468.2/55

All: 20.547+/-0.002 χ^2/NDF: 15336452.3/104

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/25

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

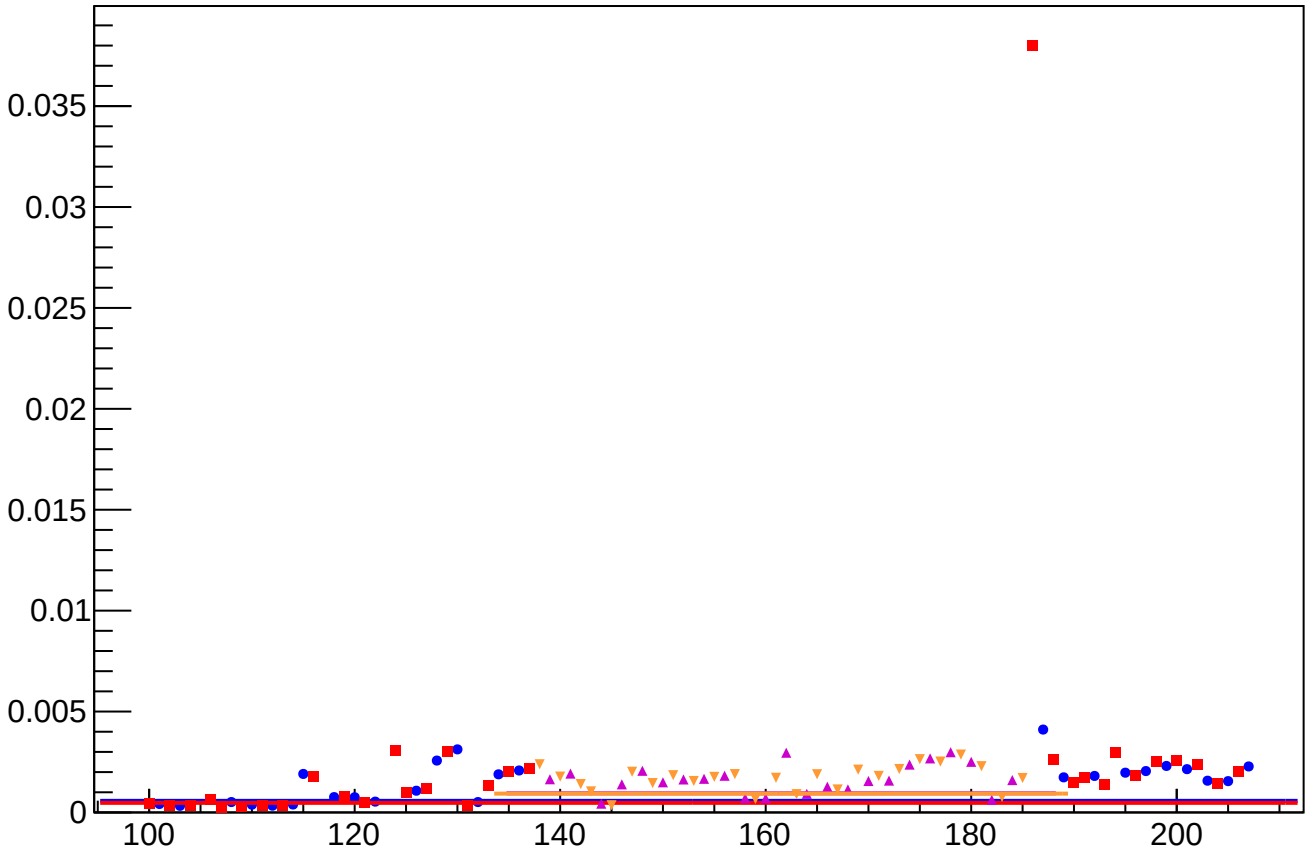
Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.0/56

In: -0.000+/-0.000 χ^2/NDF:58.1/48

Out: 0.000+/-0.000 χ^2/NDF:65.3/55

All: 0.000+/-0.000 χ^2/NDF: 124.3/104



Right In: 0.001+/-0.000 χ^2/NDF: 11838964.8/25

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

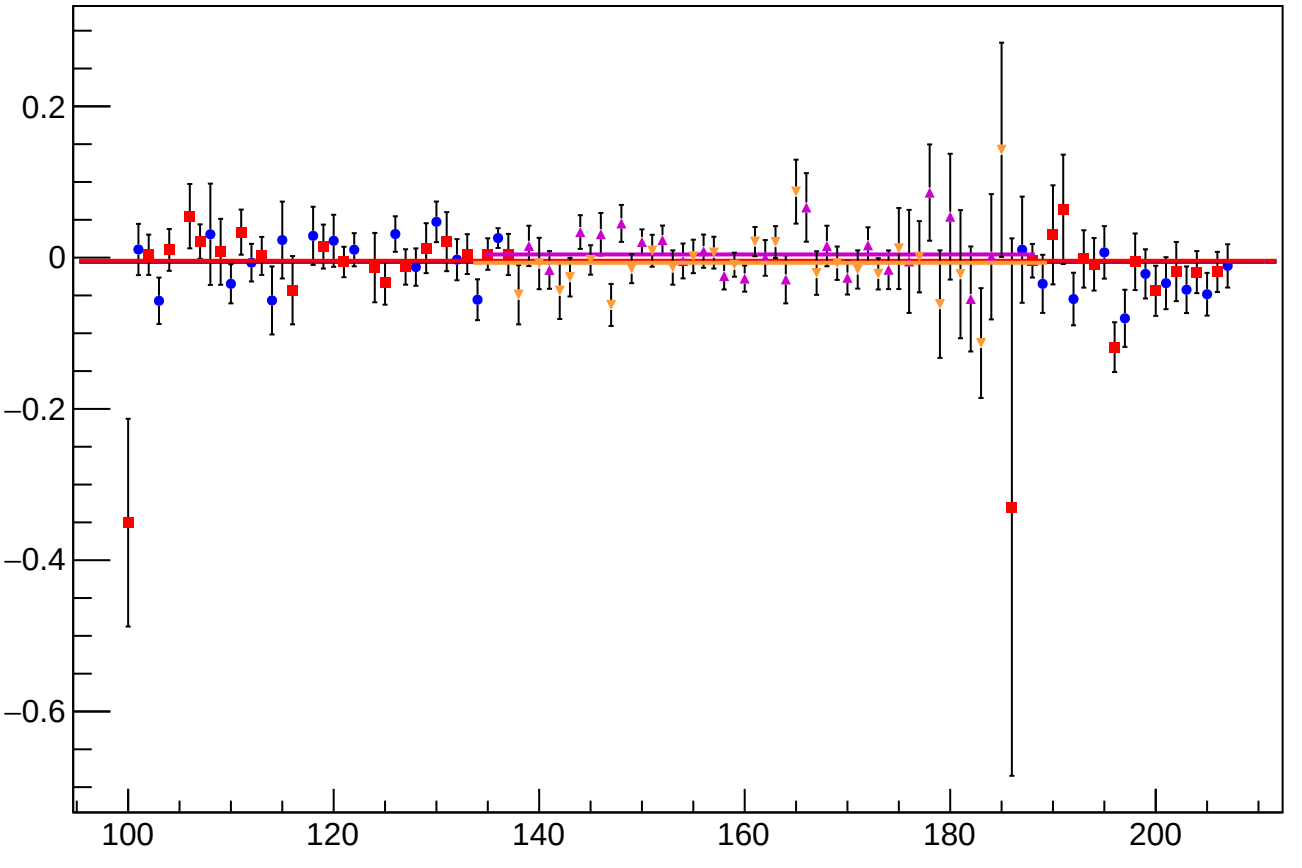
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 27332316.5/56

In: 0.001+/-0.000 χ^2/NDF:23864963.2/48

Out: 0.001+/-0.000 χ^2/NDF:31540699.4/55

All: 0.001+/-0.000 χ^2/NDF: 55867968.7/104



Right In: -0.006+/-0.006 χ^2/NDF: 35.2/25

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

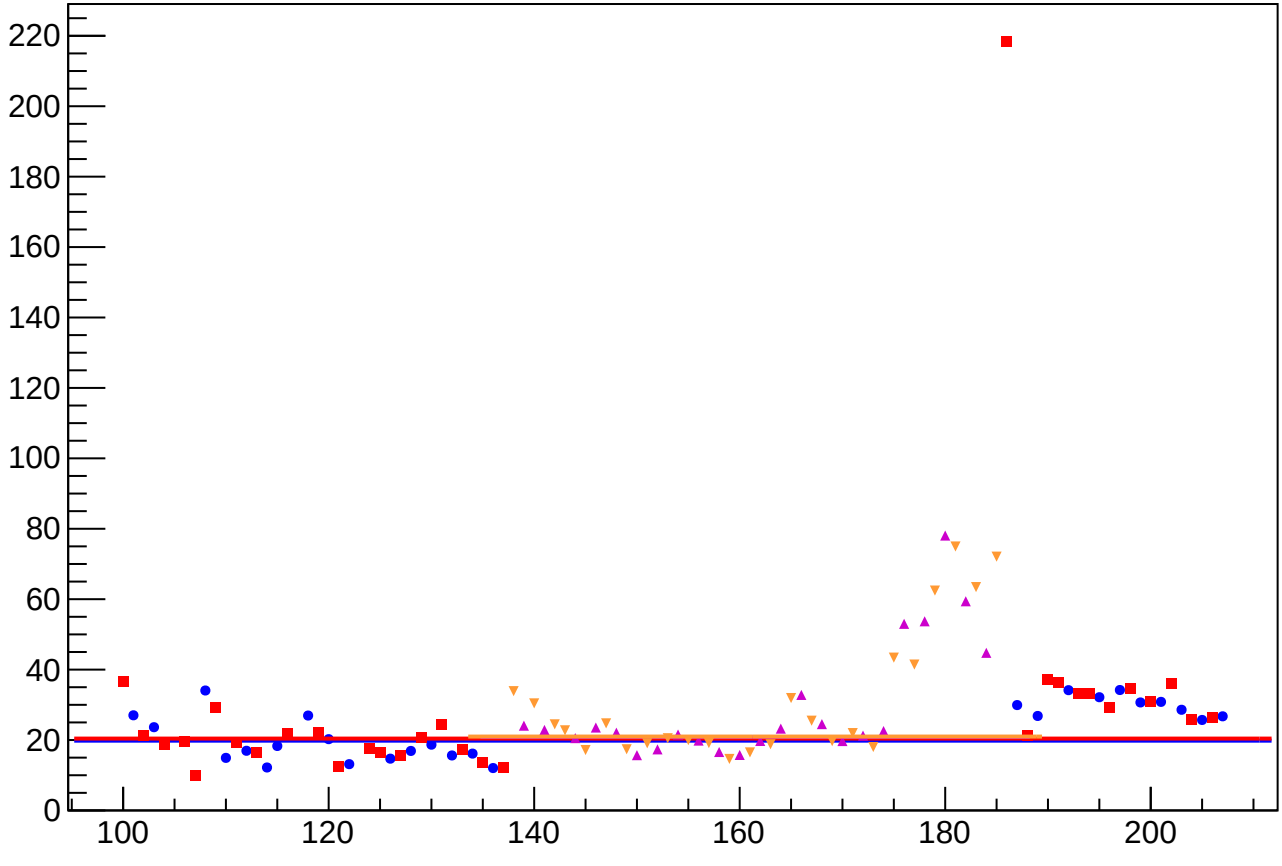
Right: -0.005+/-0.004 χ^2/NDF: 66.5/56

In: -0.000+/-0.004 χ^2/NDF:60.0/48

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 114.0/104

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.822+/-0.004 χ^2/NDF: 3332547.3/25

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

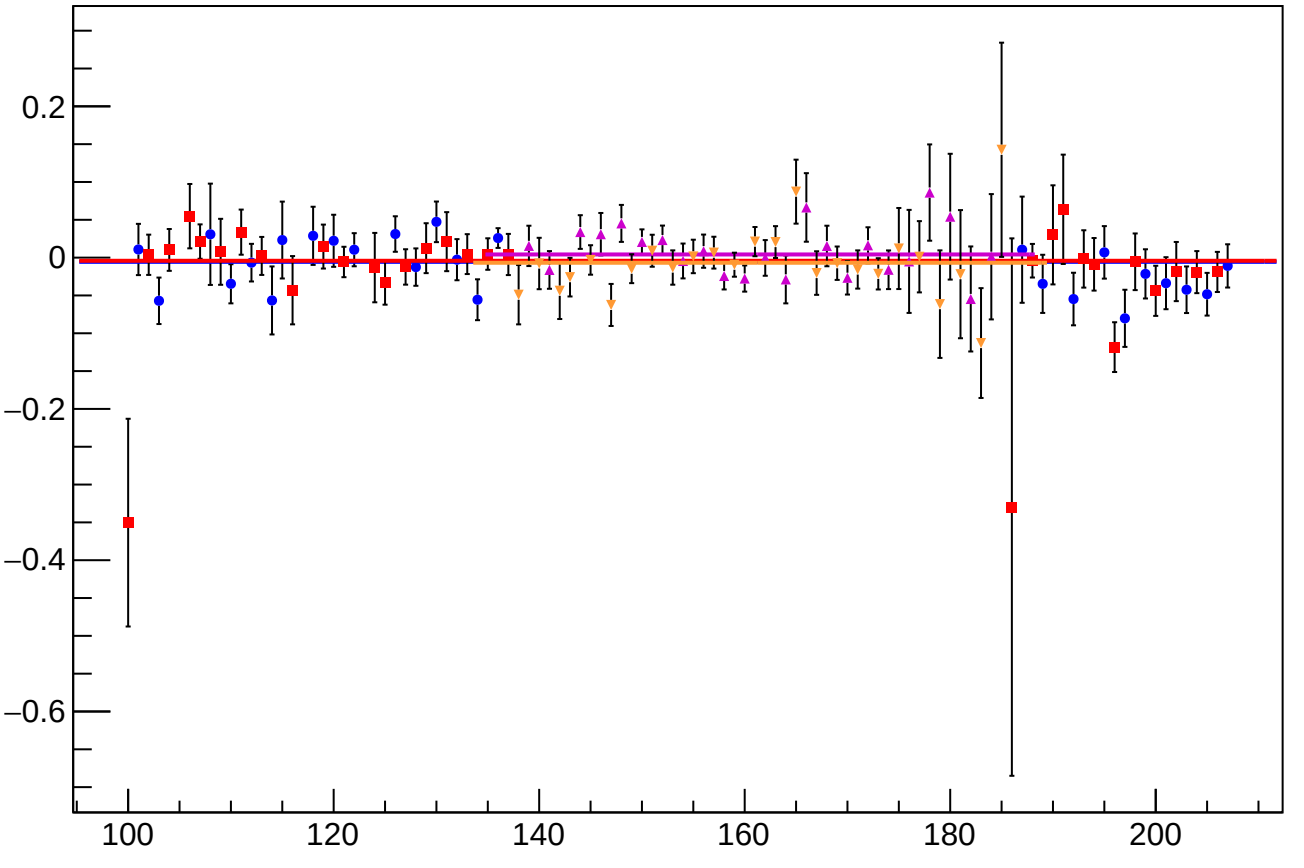
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.121+/-0.003 χ^2/NDF: 7289935.7/56

In: 20.376+/-0.003 χ^2/NDF:6904241.3/48

Out: 20.713+/-0.003 χ^2/NDF:8424482.0/55

All: 20.547+/-0.002 χ^2/NDF: 15336541.9/104



Right In: -0.006+/-0.006 χ^2/NDF: 35.2/25

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

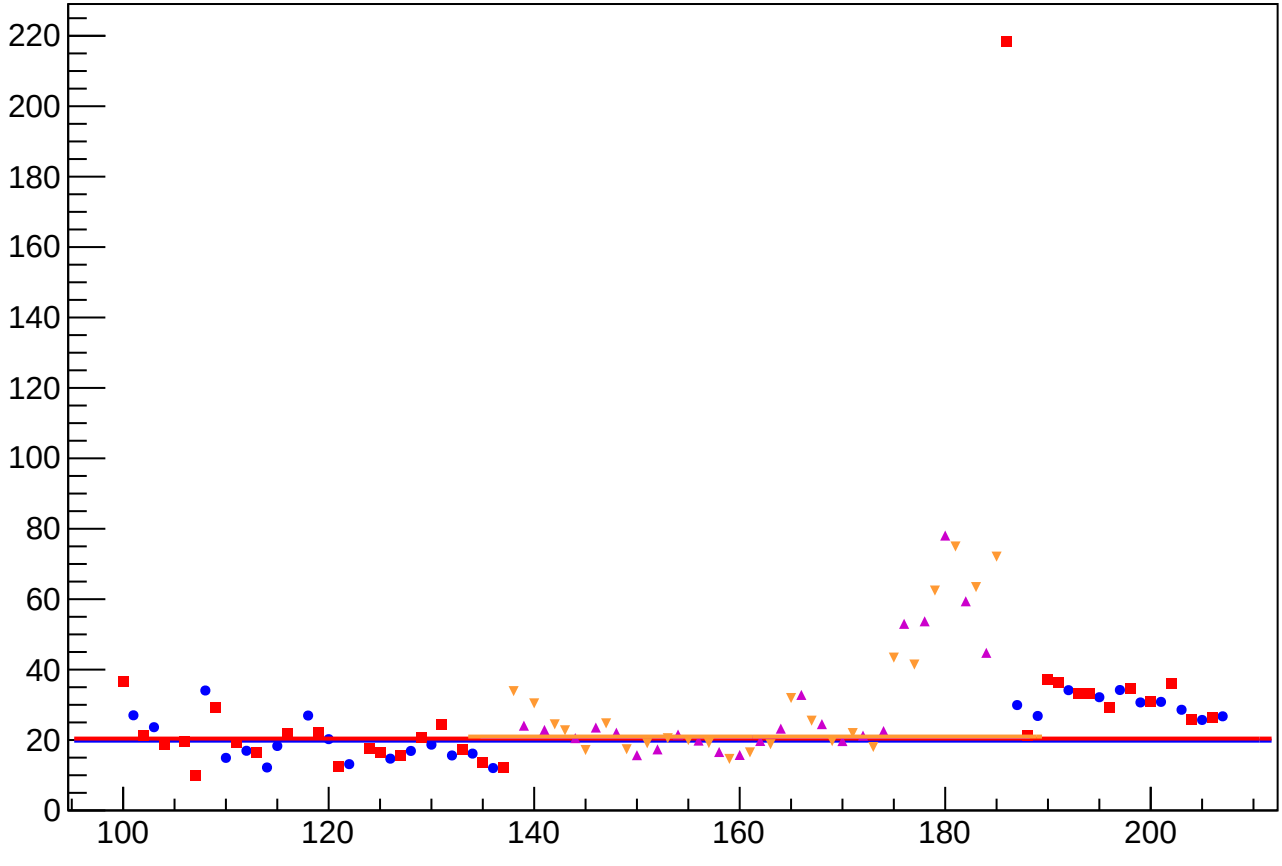
Right: -0.005+/-0.004 χ^2/NDF: 66.5/56

In: -0.000+/-0.004 χ^2/NDF:60.0/48

Out: -0.006+/-0.004 χ^2/NDF:53.1/55

All: -0.003+/-0.003 χ^2/NDF: 114.0/104

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.822+/-0.004 χ^2/NDF: 3332547.3/25

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

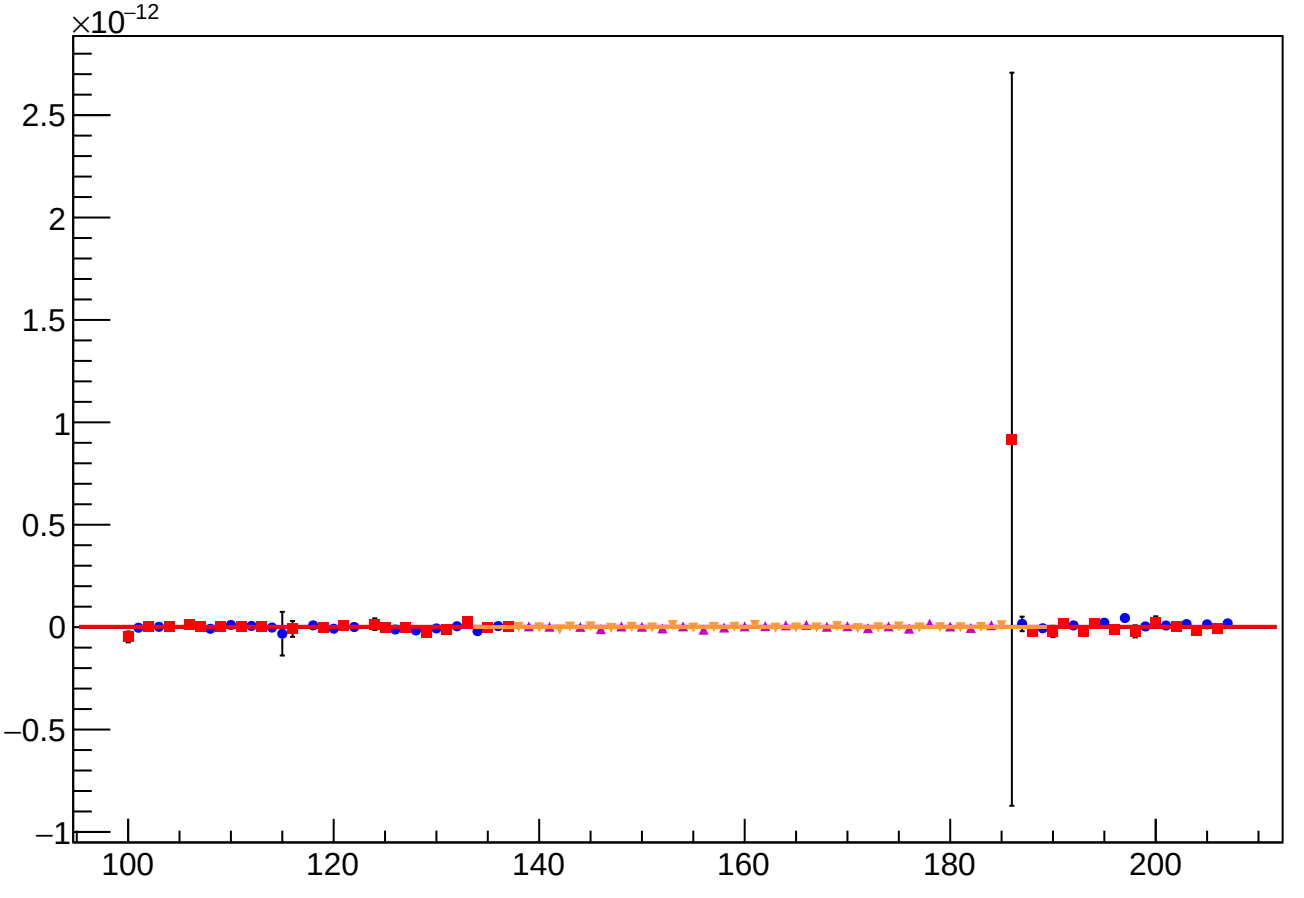
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 20.121+/-0.003 χ^2/NDF: 7289935.7/56

In: 20.376+/-0.003 χ^2/NDF:6904241.3/48

Out: 20.713+/-0.003 χ^2/NDF:8424482.0/55

All: 20.547+/-0.002 χ^2/NDF: 15336541.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/25

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

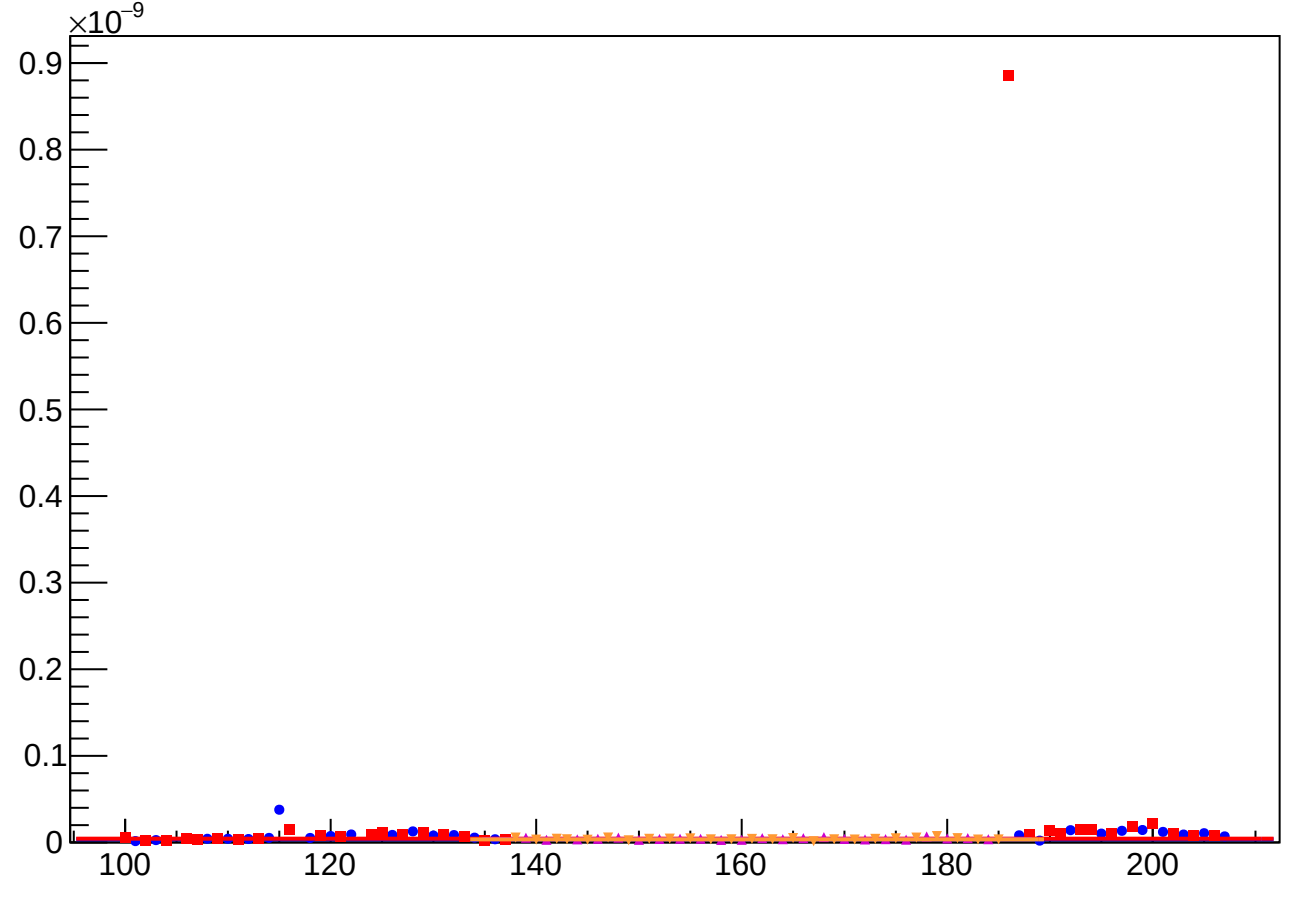
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 51.1/56

In: 0.000+/-0.000 χ^2/NDF:51.4/48

Out: 0.000+/-0.000 χ^2/NDF:40.9/55

All: 0.000+/-0.000 χ^2/NDF: 92.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 6931957.4/25

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

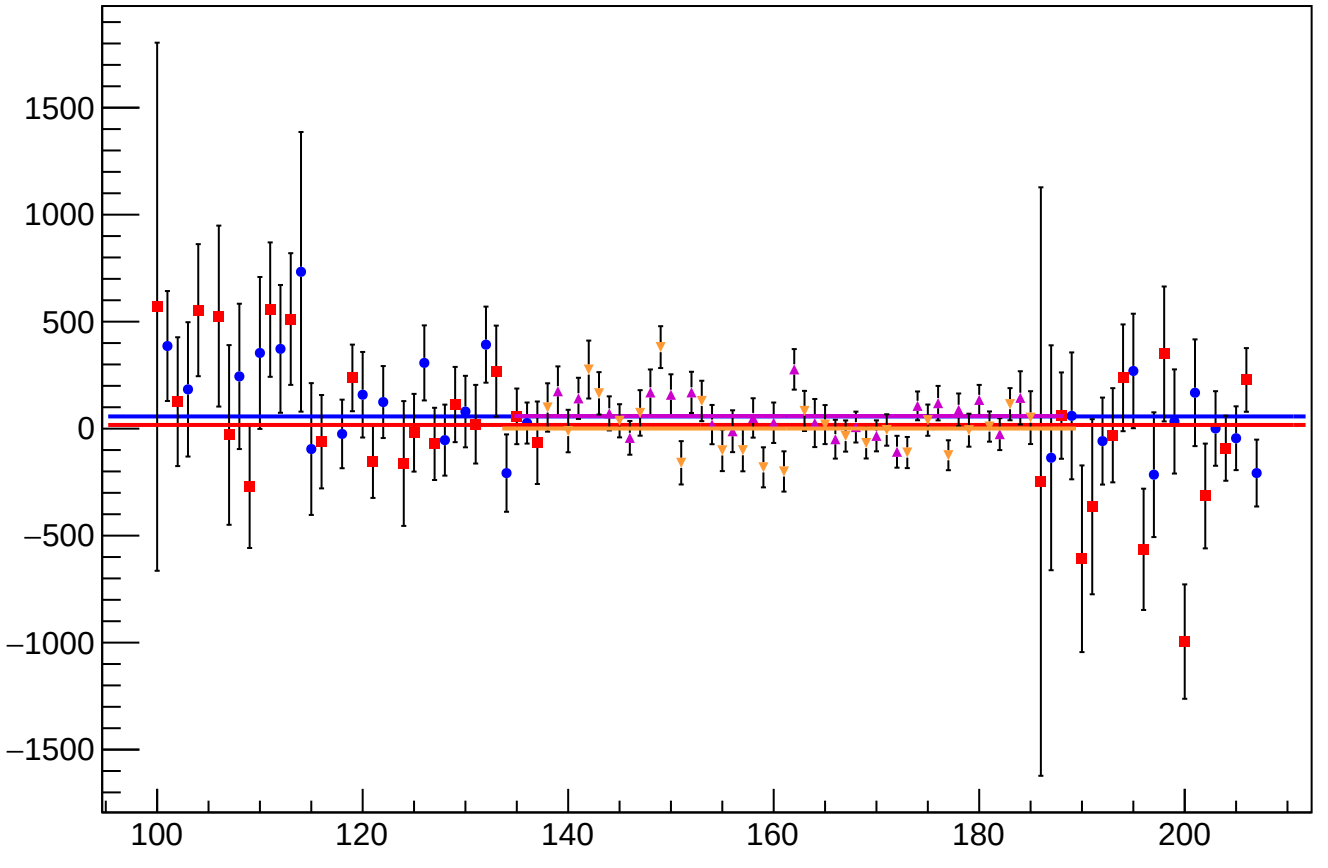
Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

Right: 0.000+/-0.000 χ^2/NDF: 14619300.3/56

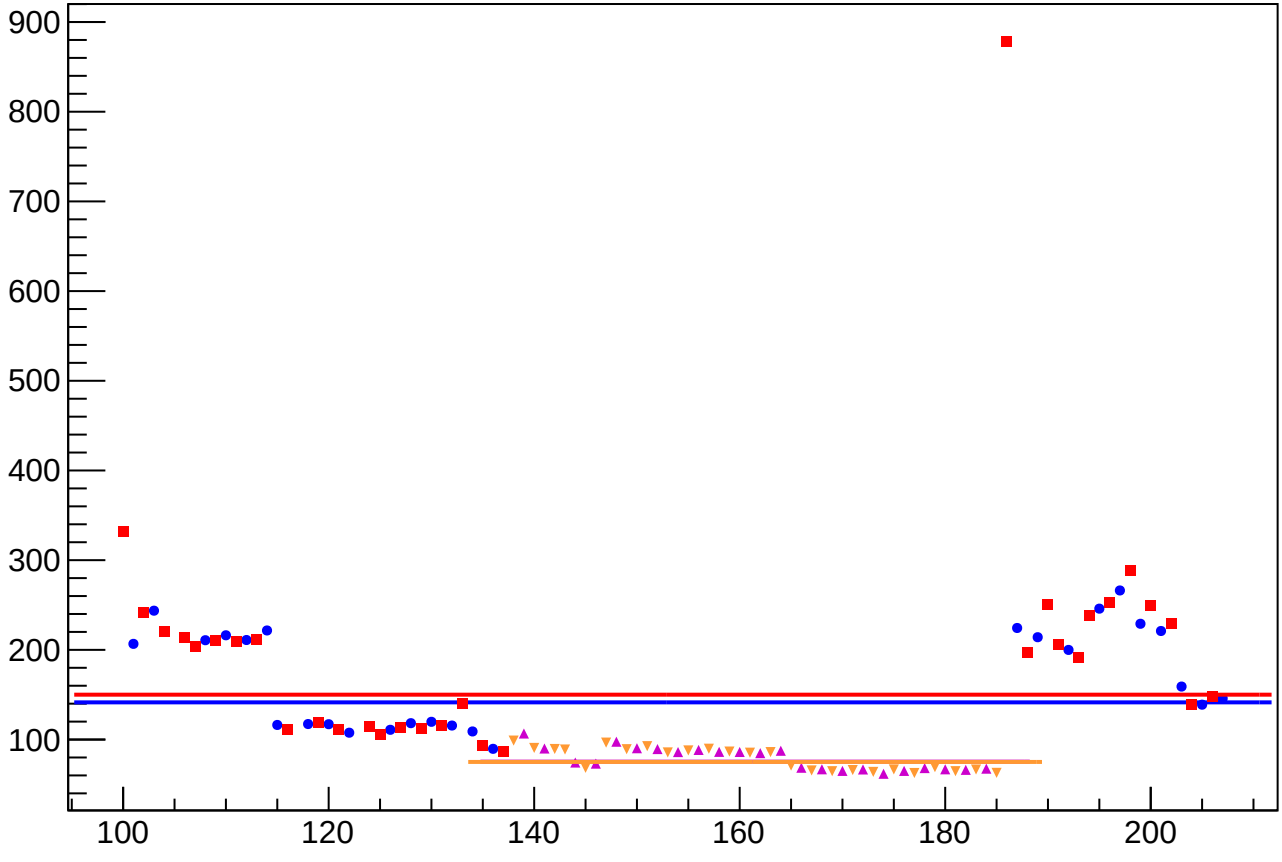
In: 0.000+/-0.000 χ^2/NDF:8173104.4/48

Out: 0.000+/-0.000 χ^2/NDF:10351847.4/55

All: 0.000+/-0.000 χ^2/NDF: 18526900.3/104


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: 57.036+/-38.997 χ²/NDF: 19.8/25
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: 37.641+/-27.916 χ²/NDF: 65.4/56
In: 58.582+/-16.252 χ²/NDF:45.7/48
Out: 3.230+/-15.892 χ²/NDF:93.8/55
All: 30.286+/-11.363 χ²/NDF: 145.4/104

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.458+/-0.028 χ^2/NDF: 3136216.6/25

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

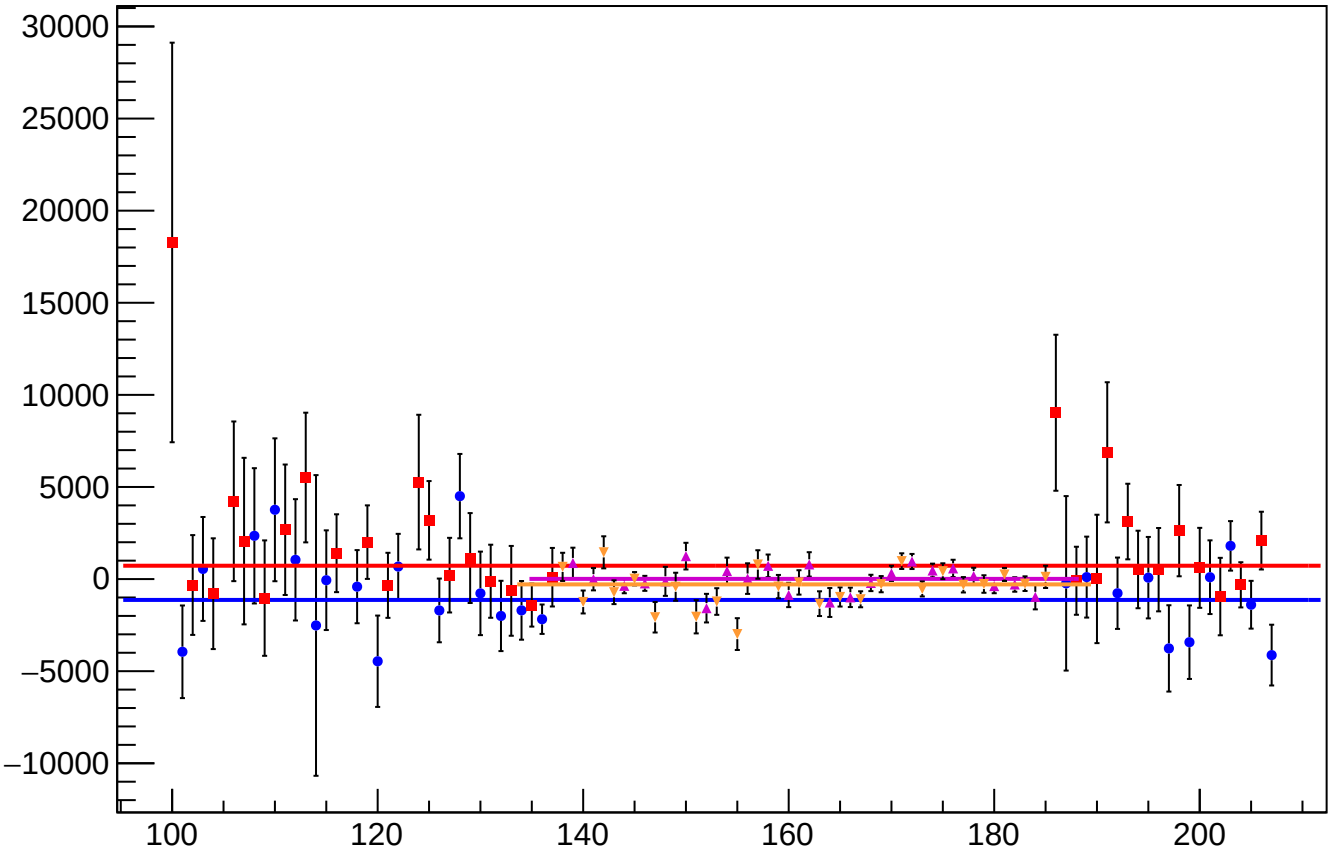
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 145.637+/-0.020 χ^2/NDF: 7372888.9/56

In: 86.834+/-0.011 χ^2/NDF:8722688.7/48

Out: 86.891+/-0.011 χ^2/NDF:11042198.0/55

All: 86.863+/-0.008 χ^2/NDF: 19764899.4/104



Right In: -1131.898+/-370.584 χ^2/NDF: 27.7/25

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

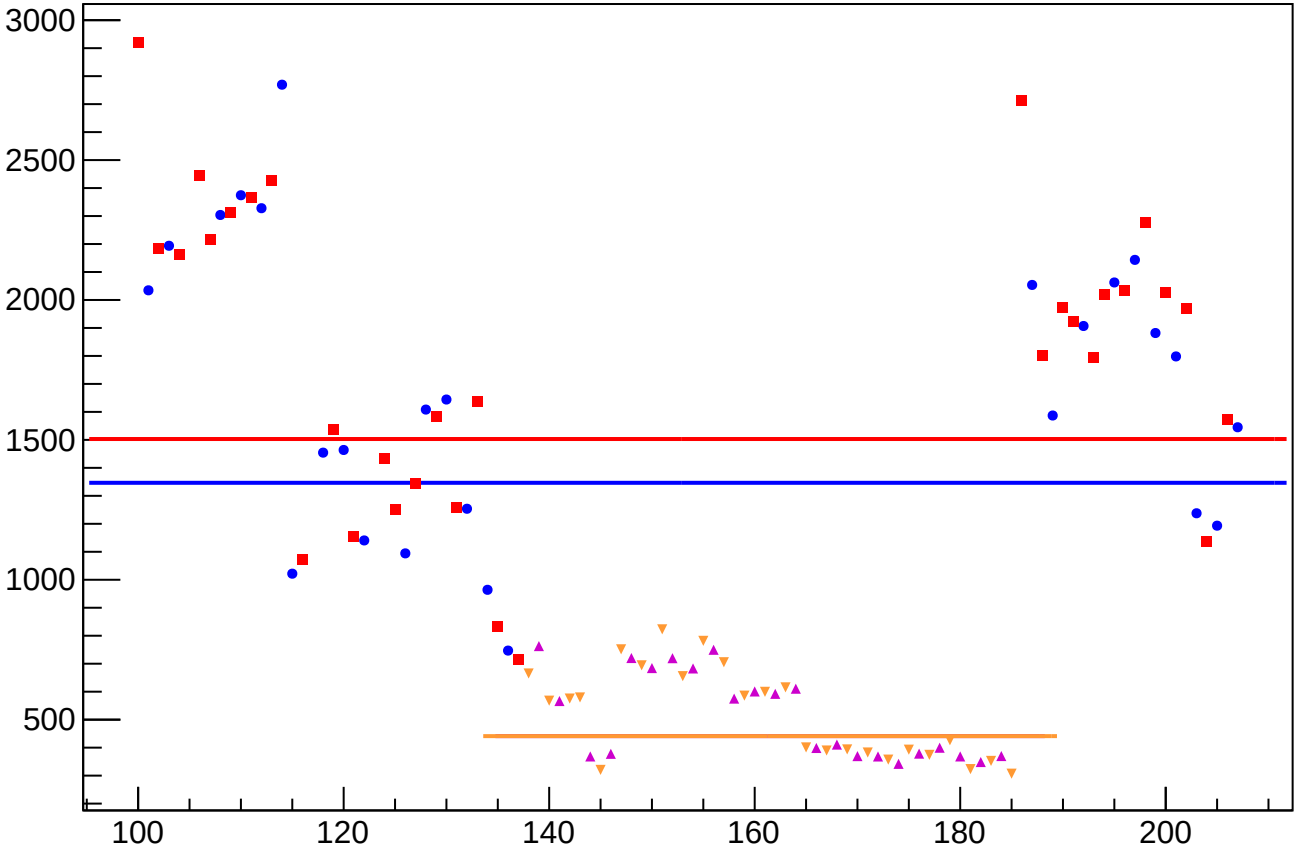
Right: -255.863+/-269.313 χ^2/NDF: 64.4/56

In: -78.295+/-103.394 χ^2/NDF:69.9/48

Out: -220.023+/-101.634 χ^2/NDF:84.4/55

All: -150.376+/-72.480 χ^2/NDF: 155.2/104

asym_sam_26_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1346.574+/-0.262 χ^2/NDF: 3256482.5/25

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

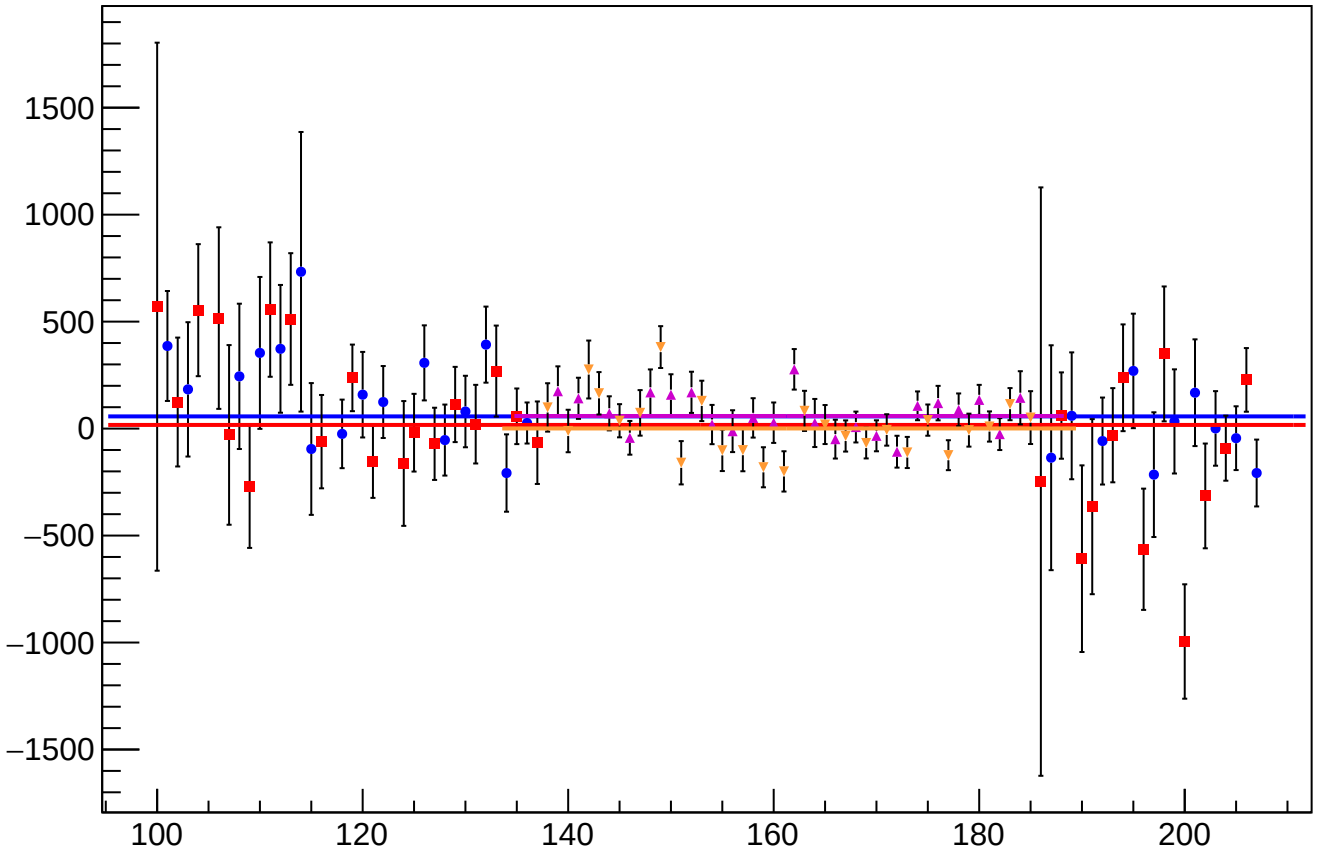
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1420.411+/-0.190 χ^2/NDF: 6745682.0/56

In: 511.673+/-0.073 χ^2/NDF:16946929.1/48

Out: 512.492+/-0.072 χ^2/NDF:20242557.7/55

All: 512.089+/-0.051 χ^2/NDF: 37189550.5/10



Right In: 57.022+/-38.997 χ^2/NDF: 19.8/25

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 17.107+/-39.980 χ^2/NDF: 45.0/30

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

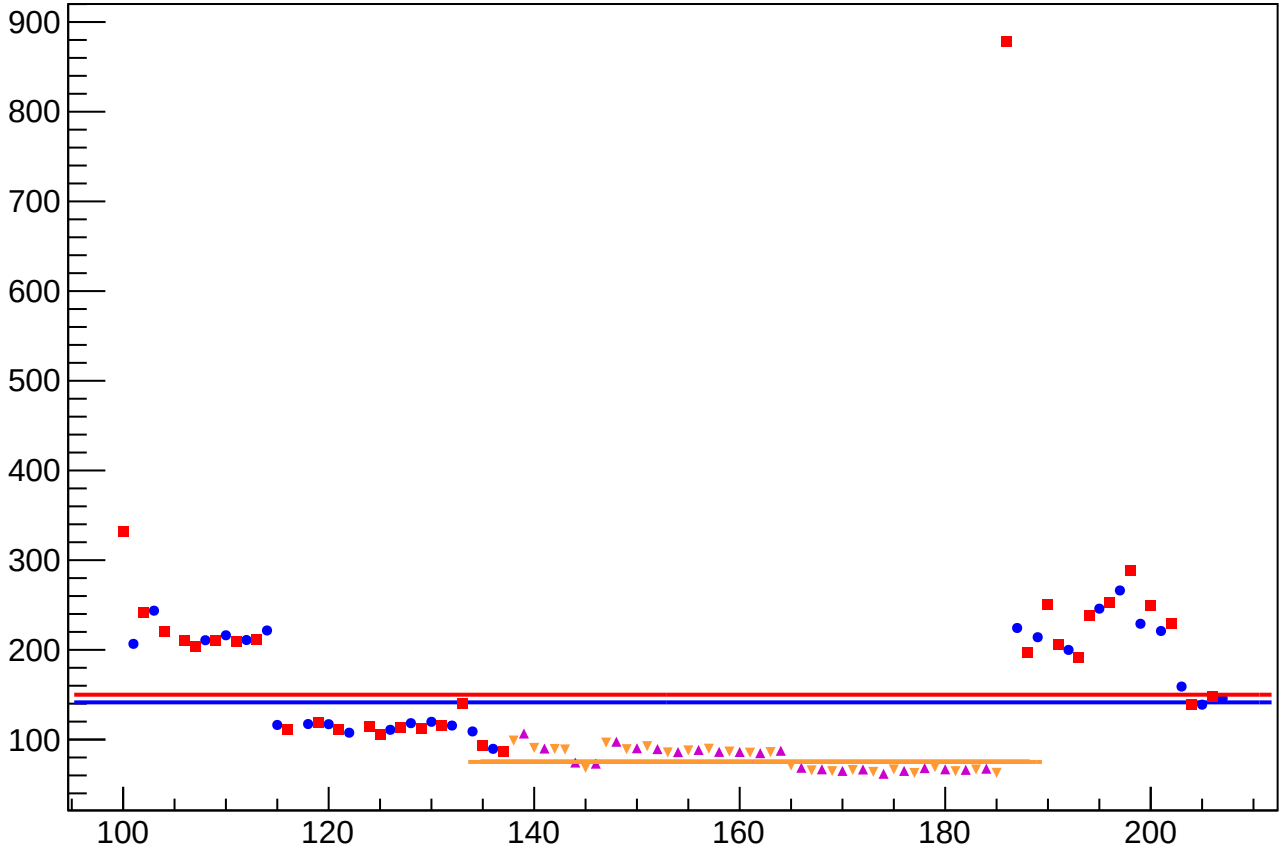
Right: 37.561+/-27.916 χ^2/NDF: 65.3/56

In: 58.577+/-16.252 χ^2/NDF:45.7/48

Out: 3.206+/-15.892 χ^2/NDF:93.7/55

All: 30.272+/-11.363 χ^2/NDF: 145.3/104

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.458+/-0.028 χ^2/NDF: 3136219.0/25

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

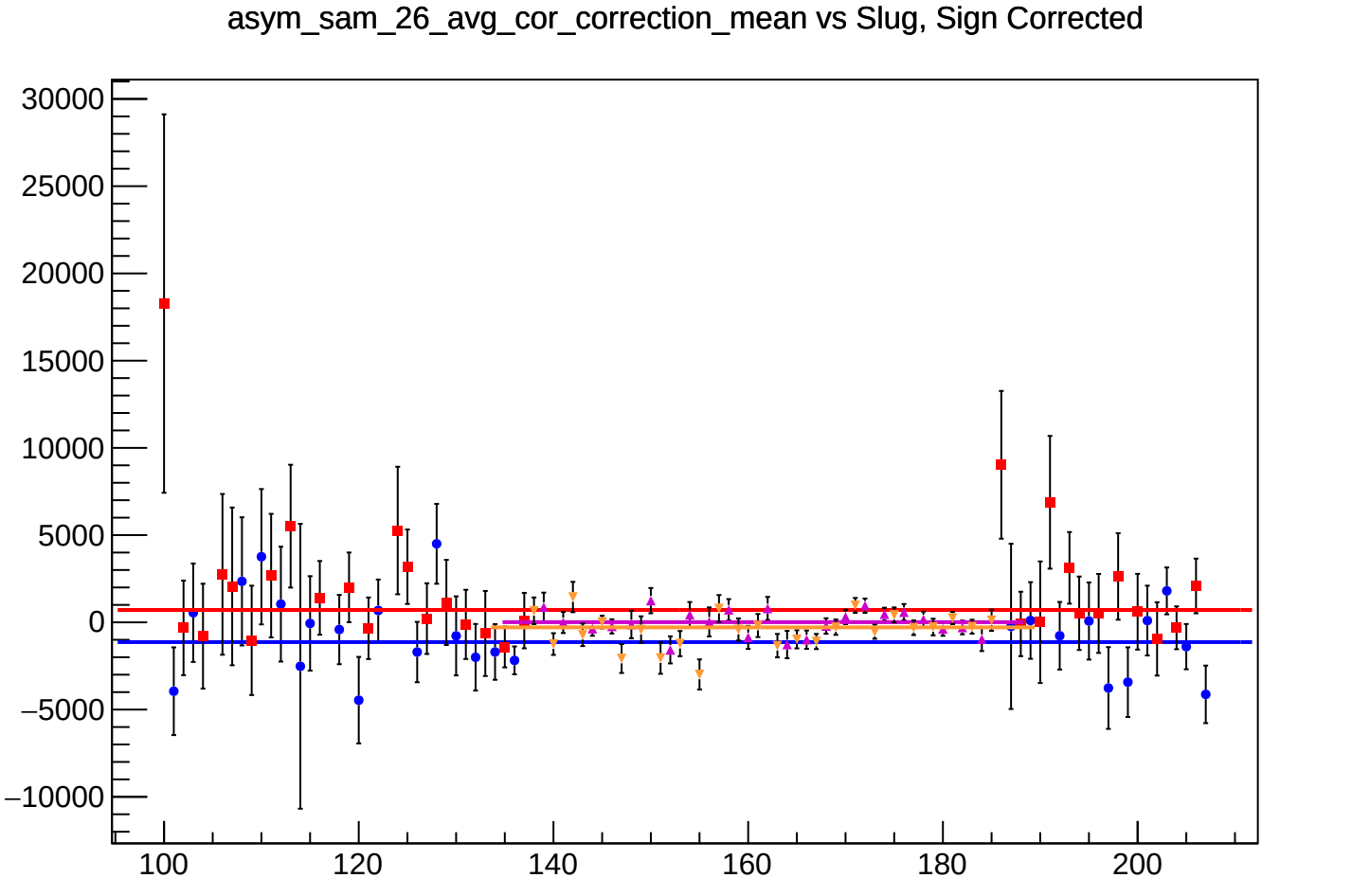
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 145.621+/-0.020 χ^2/NDF: 7368279.8/56

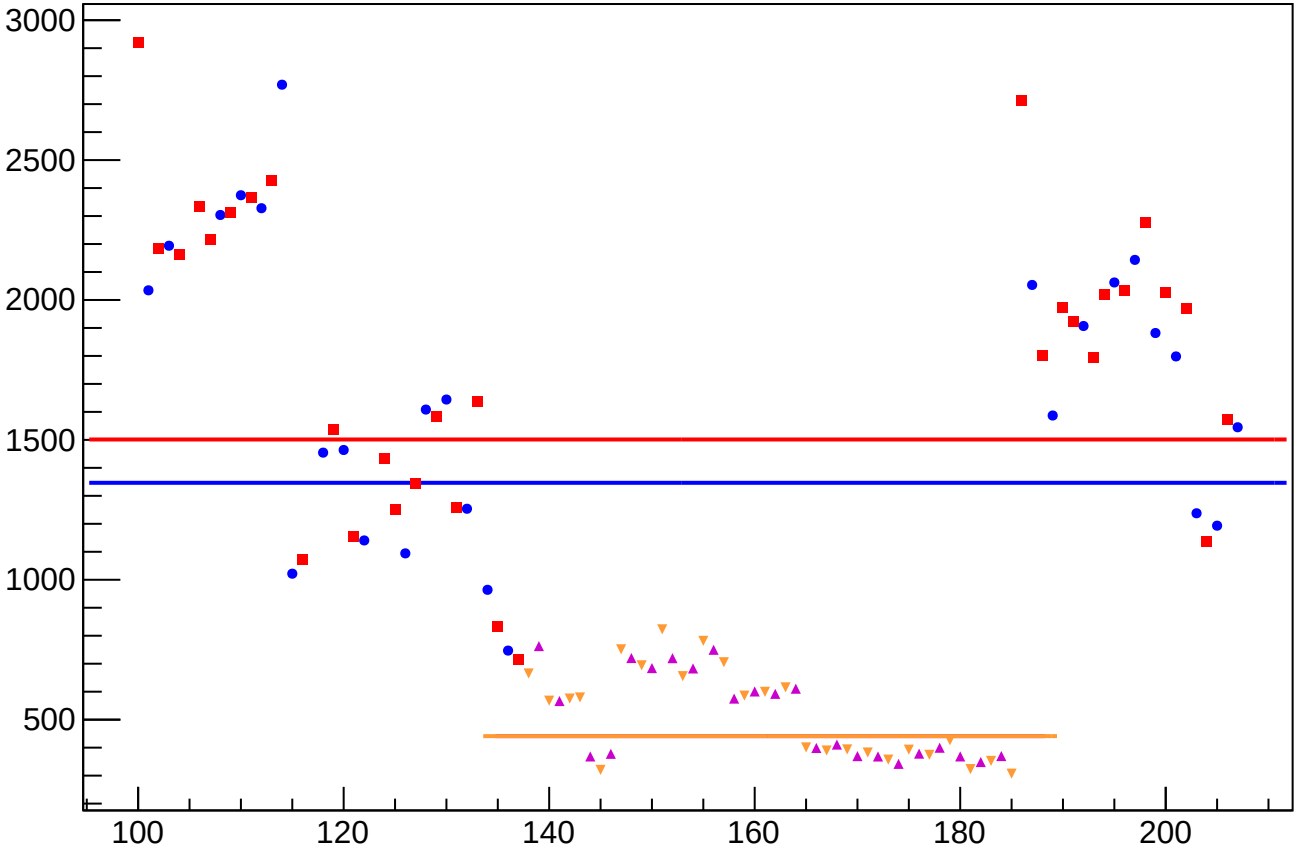
In: 86.834+/-0.011 χ^2/NDF:8722690.8/48

Out: 86.885+/-0.011 χ^2/NDF:11032628.6/55

All: 86.860+/-0.008 χ^2/NDF: 19755329.6/104


asym_sam_26_avg_cor_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1131.887+/-370.584 χ²/NDF: 27.7/25
Left Out: -288.079+/-105.231 χ²/NDF:53.3/24
Right Out: 710.820+/-392.246 χ²/NDF: 24.4/30
Left In: 10.644+/-107.670 χ²/NDF:33.4/22
Left: -142.138+/-75.257 χ²/NDF: 90.6/47
Right: -262.819+/-269.375 χ²/NDF: 63.8/56
In: -78.293+/-103.394 χ²/NDF:69.9/48
Out: -221.012+/-101.637 χ²/NDF:83.7/55
All: -150.875+/-72.481 χ²/NDF: 154.6/104

asym_sam_26_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1346.575+/-0.262 χ^2/NDF: 3256513.0/25

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

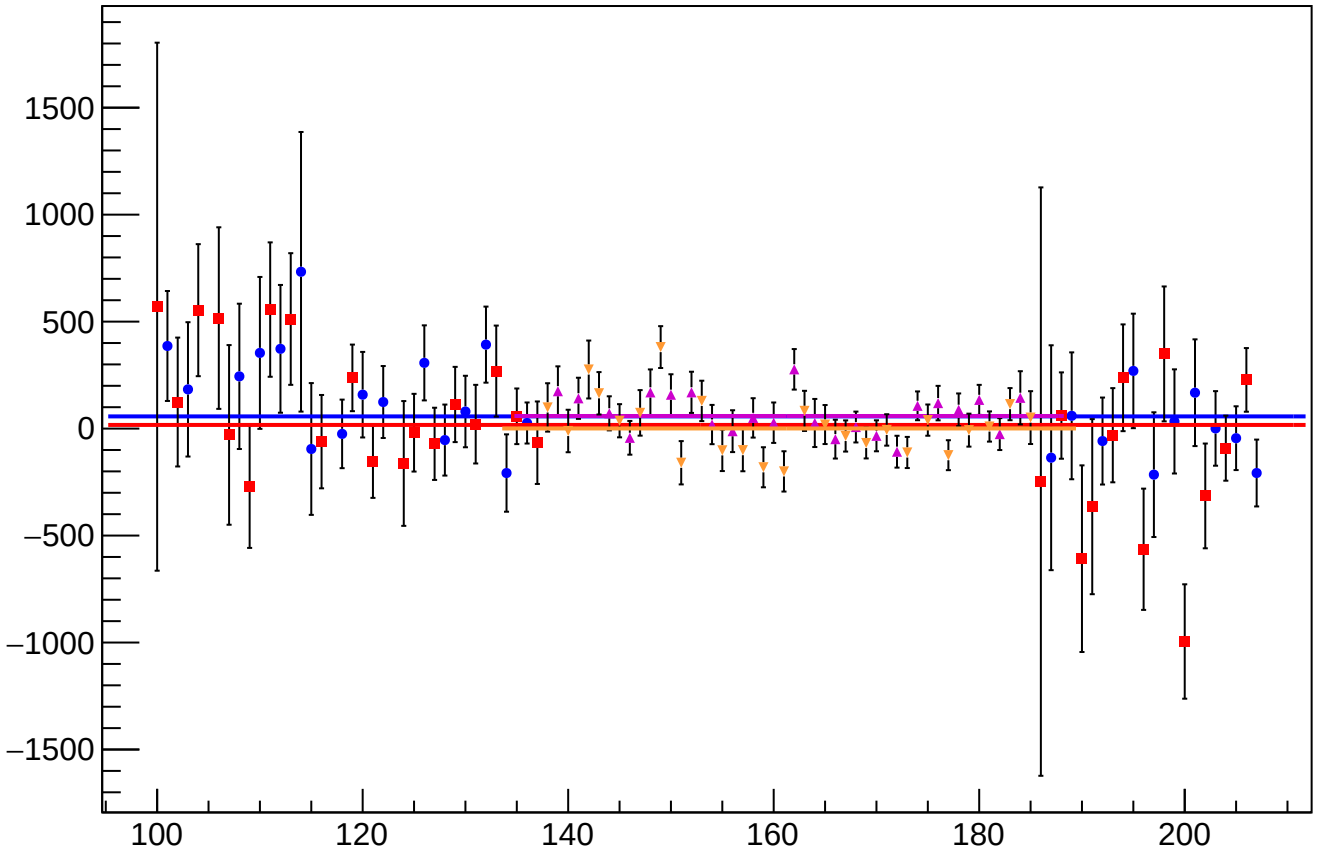
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1419.588+/-0.190 χ^2/NDF: 6713260.7/56

In: 511.673+/-0.073 χ^2/NDF:16946938.8/48

Out: 512.315+/-0.072 χ^2/NDF:20158518.6/55

All: 512.000+/-0.051 χ^2/NDF: 37105496.6/10



Right In: 57.022+/-38.997 χ^2/NDF: 19.8/25

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 17.107+/-39.980 χ^2/NDF: 45.0/30

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

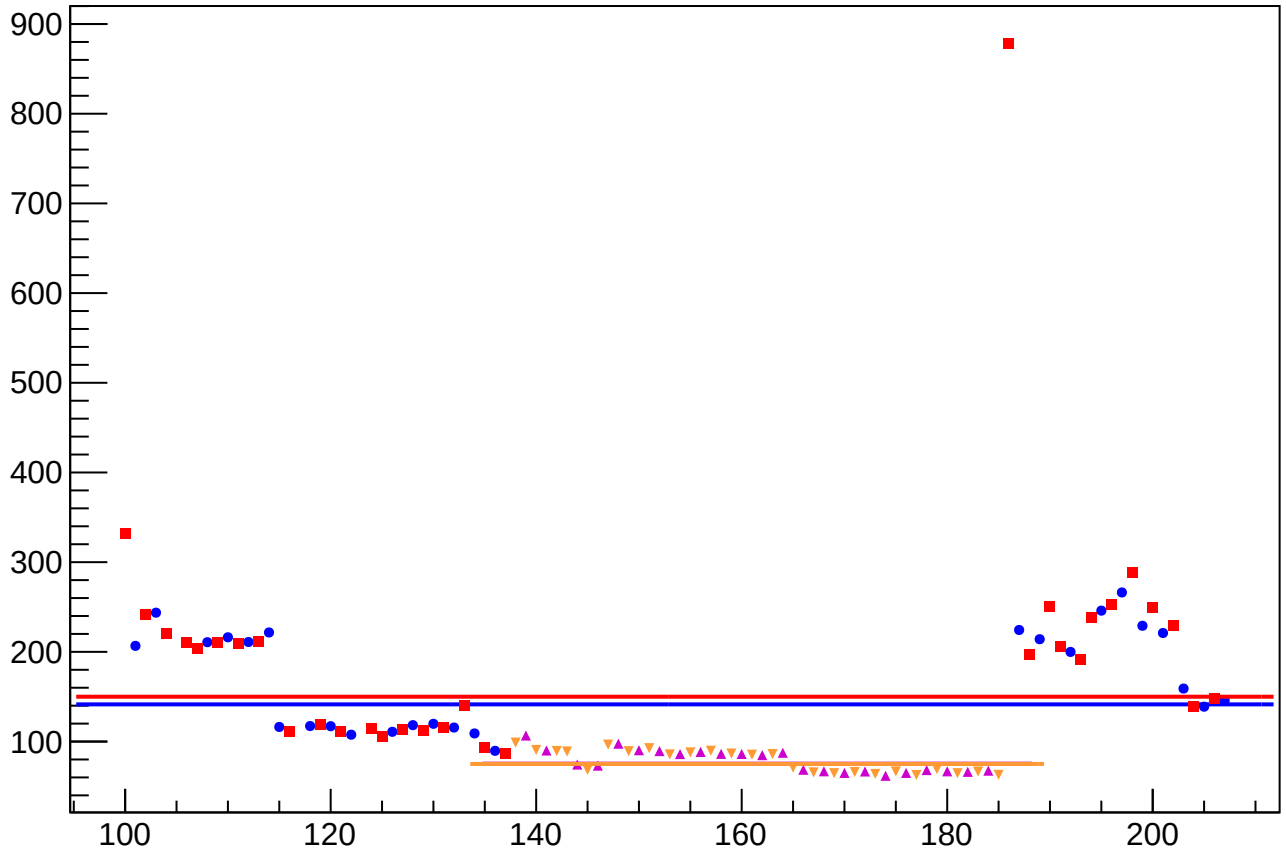
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 37.561+/-27.916 χ^2/NDF: 65.3/56

In: 58.577+/-16.252 χ^2/NDF:45.7/48

Out: 3.206+/-15.892 χ^2/NDF:93.7/55

All: 30.272+/-11.363 χ^2/NDF: 145.3/104



Right In: 141.458+/-0.028 χ^2/NDF: 3136219.0/25

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

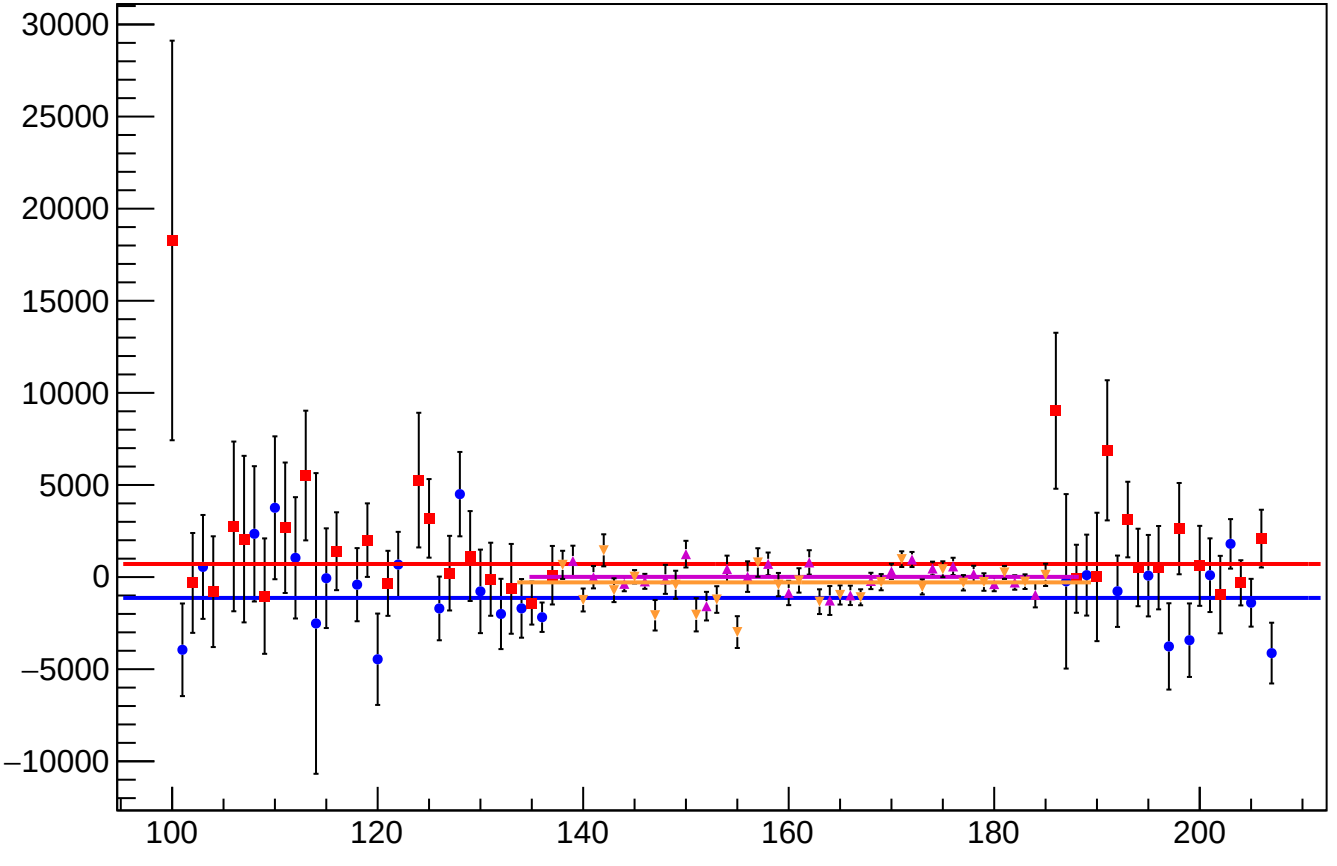
Right: 145.621+/-0.020 χ^2/NDF: 7368279.8/56

In: 86.834+/-0.011 χ^2/NDF:8722690.8/48

Out: 86.885+/-0.011 χ^2/NDF:11032628.6/55

All: 86.860+/-0.008 χ^2/NDF: 19755329.6/104

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1131.887+/-370.584 χ^2/NDF: 27.7/25

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

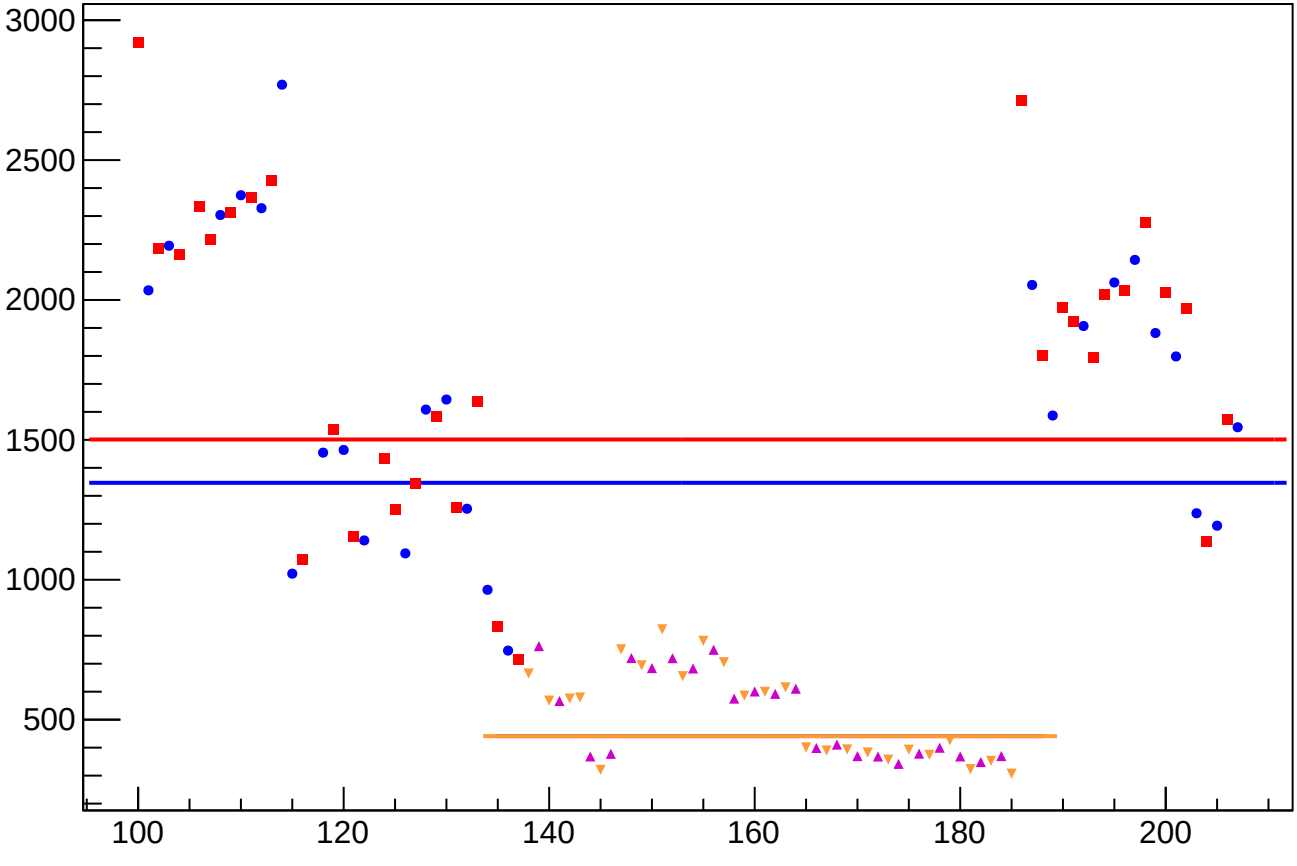
Right: -262.819+/-269.375 χ^2/NDF: 63.8/56

In: -78.293+/-103.394 χ^2/NDF:69.9/48

Out: -221.012+/-101.637 χ^2/NDF:83.7/55

All: -150.875+/-72.481 χ^2/NDF: 154.6/104

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1346.575+/-0.262 χ^2/NDF: 3256513.0/25

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

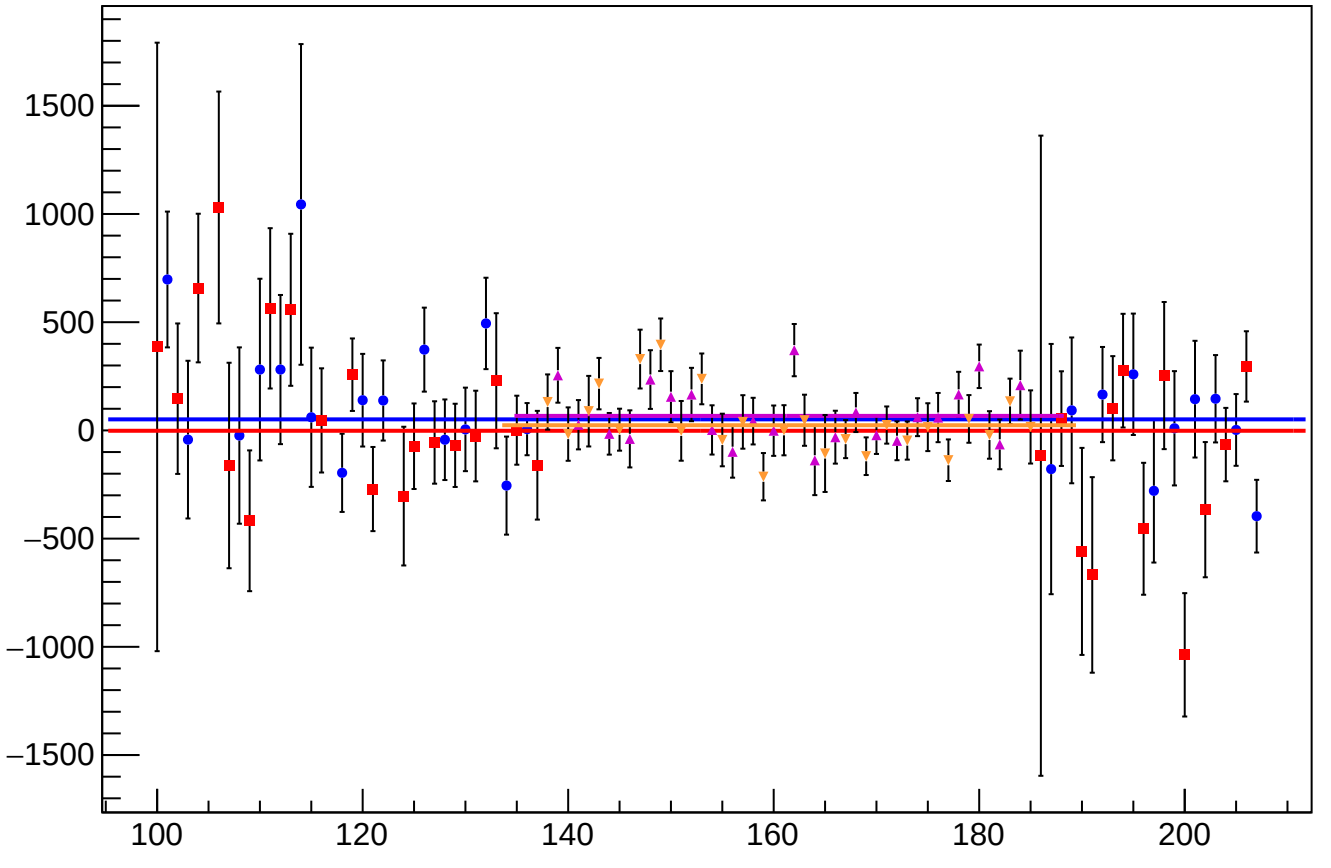
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1419.588+/-0.190 χ^2/NDF: 6713260.7/56

In: 511.673+/-0.073 χ^2/NDF:16946938.8/48

Out: 512.315+/-0.072 χ^2/NDF:20158518.6/55

All: 512.000+/-0.051 χ^2/NDF: 37105496.6/10



Right In: 51.020+/-44.601 χ^2/NDF: 28.1/25

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

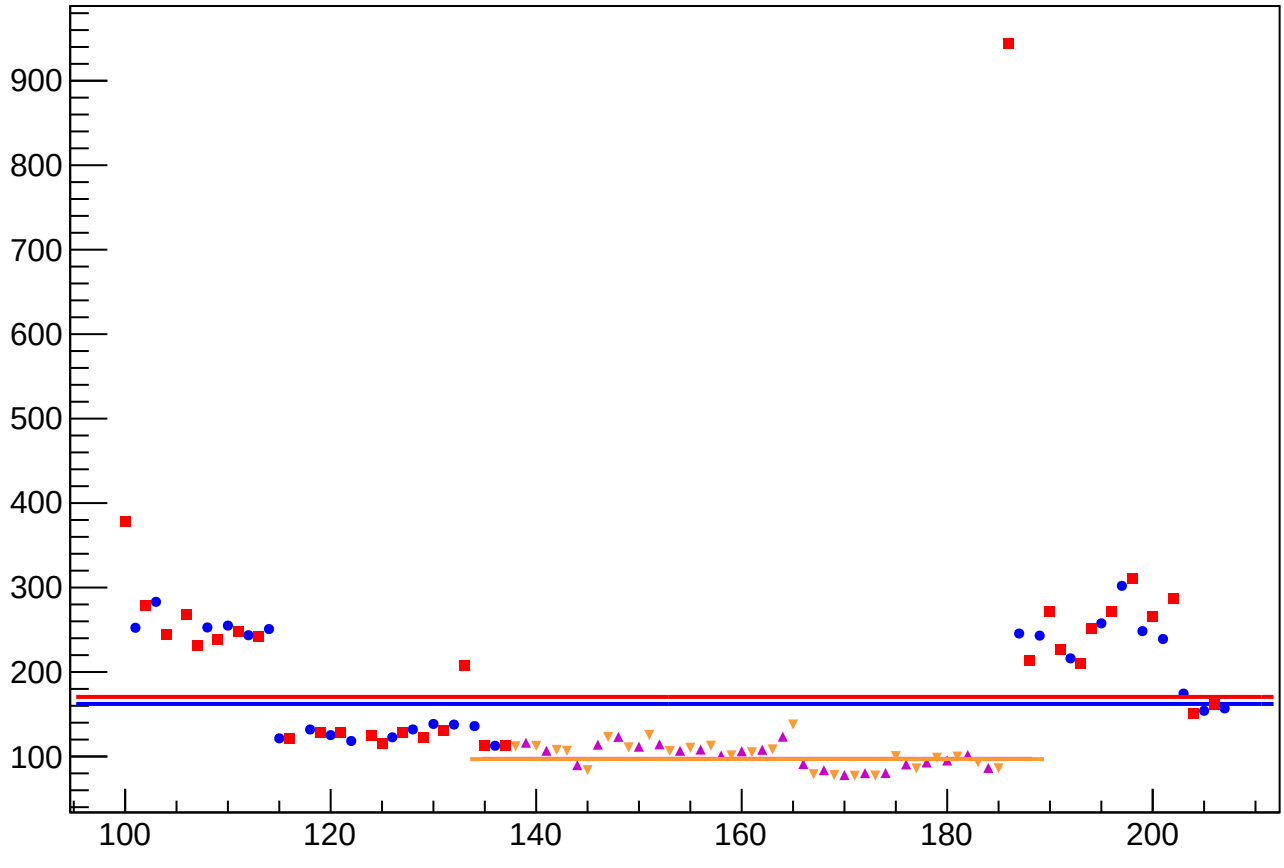
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 25.150+/-31.826 χ^2/NDF: 75.3/56

In: 63.683+/-20.527 χ^2/NDF:56.9/48

Out: 18.869+/-20.101 χ^2/NDF:82.0/55

All: 40.806+/-14.362 χ^2/NDF: 141.3/104



Right In: 162.203+/-0.032 χ^2/NDF: 2792473.6/25

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

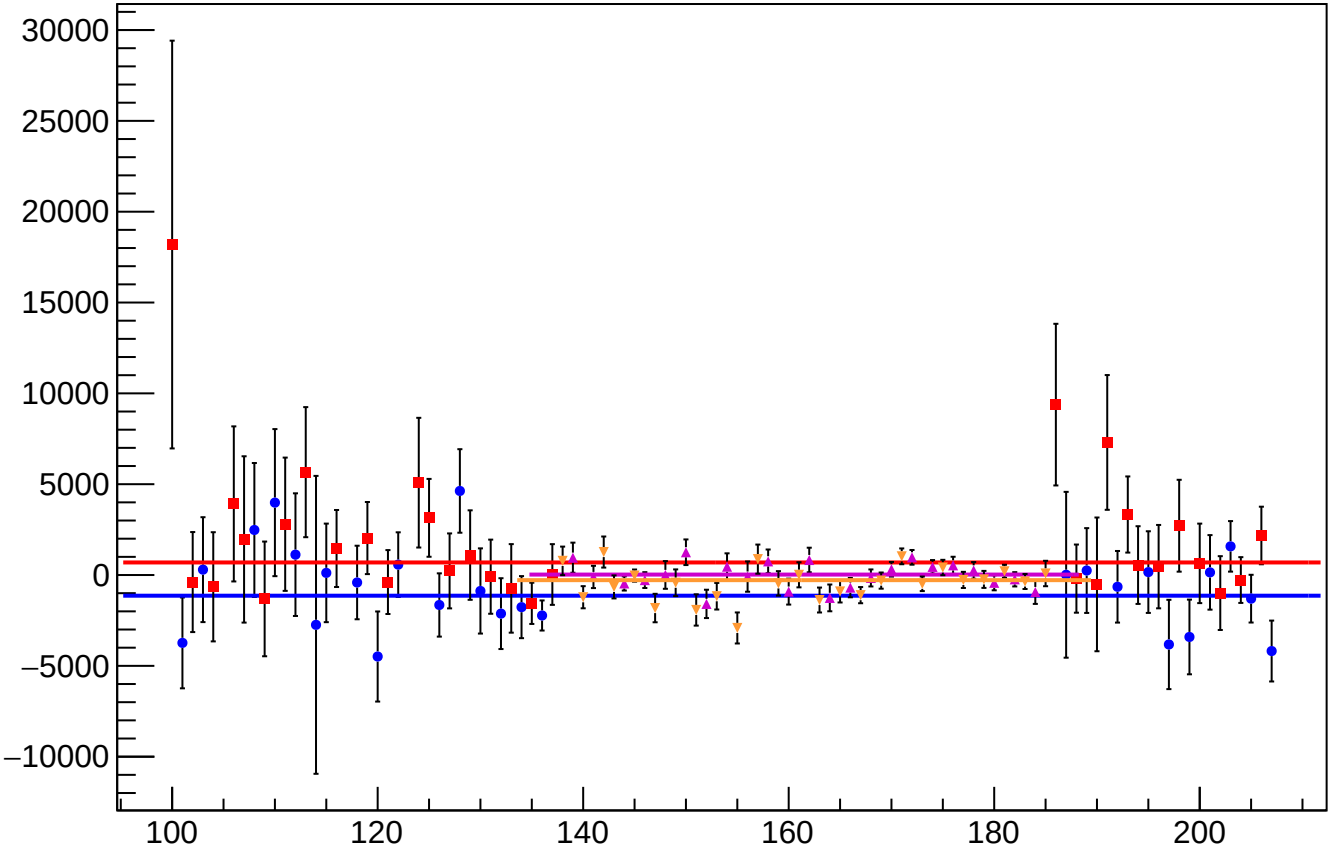
Right: 166.292+/-0.023 χ^2/NDF: 6779408.2/56

In: 110.943+/-0.015 χ^2/NDF:6818771.1/48

Out: 111.322+/-0.014 χ^2/NDF:9111832.9/55

All: 111.136+/-0.010 χ^2/NDF: 15930953.3/10

asym_sam_26_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1138.394+/-380.122 χ^2/NDF: 26.7/25

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

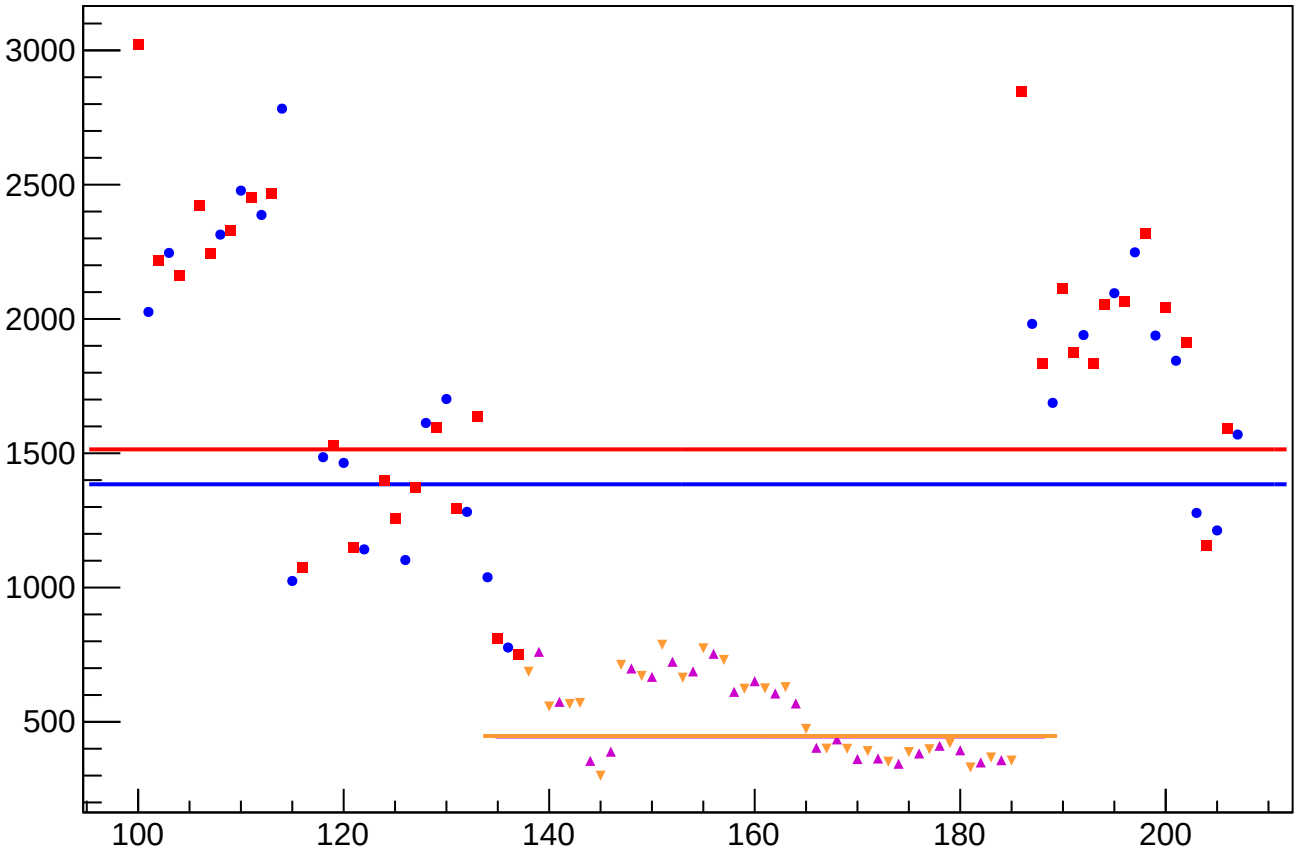
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -259.308+/-274.017 χ^2/NDF: 64.1/56

In: -63.564+/-104.674 χ^2/NDF:68.3/48

Out: -216.643+/-102.739 χ^2/NDF:82.3/55

All: -141.532+/-73.322 χ^2/NDF: 151.8/104



Right In: 1384.507+/-0.269 χ^2/NDF: 3161831.1/25

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

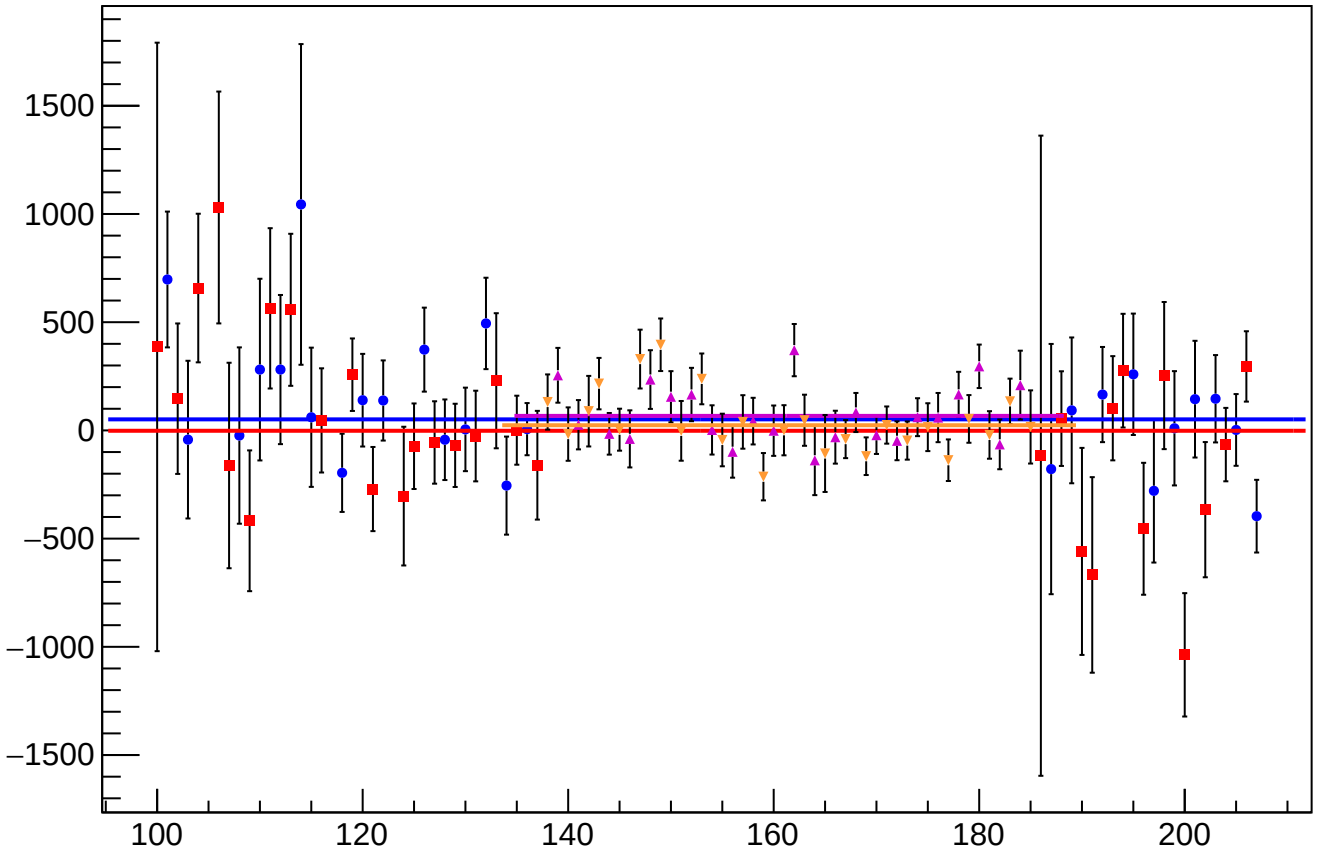
Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

Right: 1446.958+/-0.194 χ^2/NDF: 6667730.8/56

In: 516.695+/-0.074 χ^2/NDF:17154433.4/48

Out: 519.446+/-0.073 χ^2/NDF:20177712.9/55

All: 518.096+/-0.052 χ^2/NDF: 37332849.5/10



Right In: 51.023+/-44.601 χ^2/NDF: 28.1/25

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

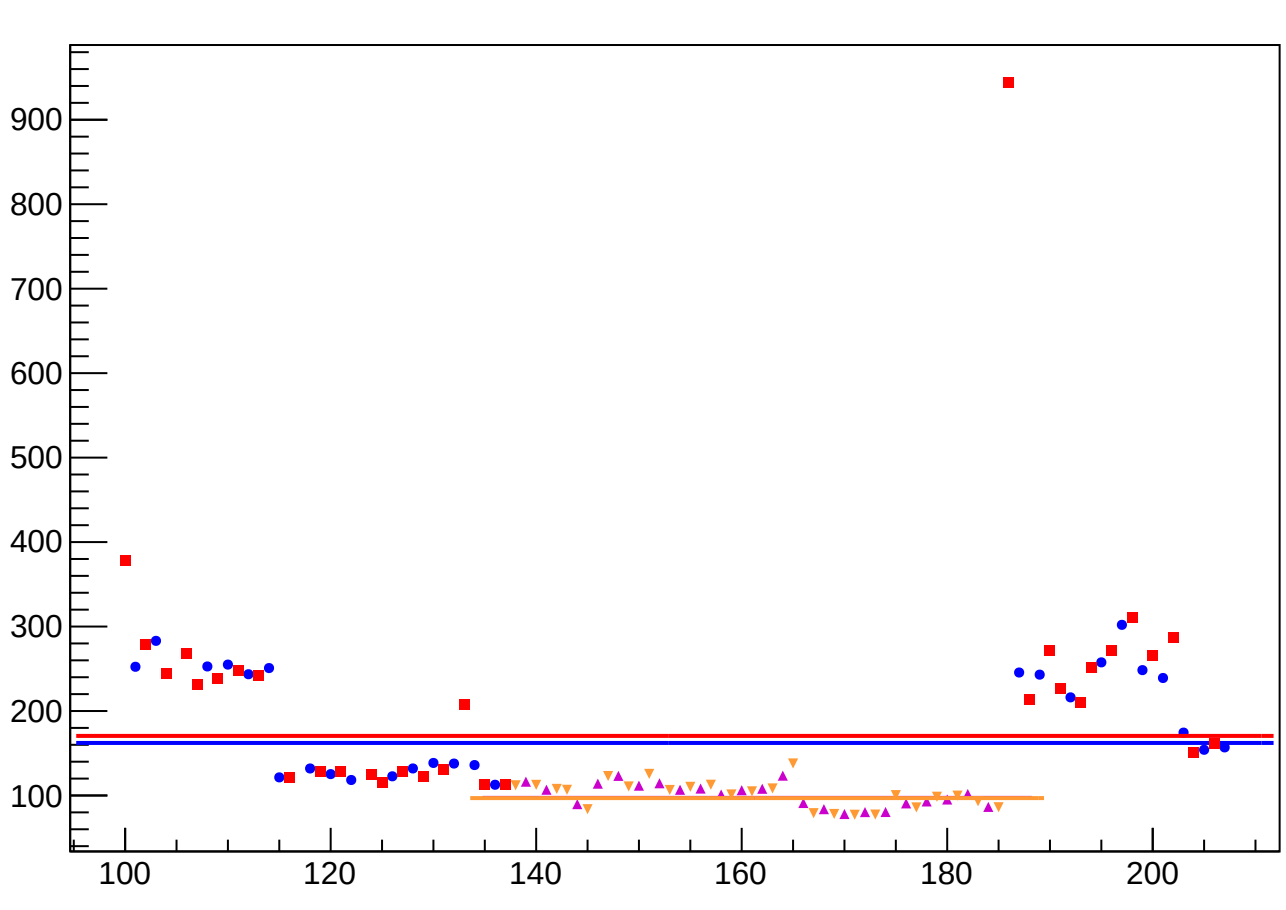
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 25.152+/-31.826 χ^2/NDF: 75.3/56

In: 63.683+/-20.527 χ^2/NDF:56.9/48

Out: 18.868+/-20.101 χ^2/NDF:82.0/55

All: 40.805+/-14.362 χ^2/NDF: 141.3/104



Right In: 162.202+/-0.032 χ^2/NDF: 2792484.0/25

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

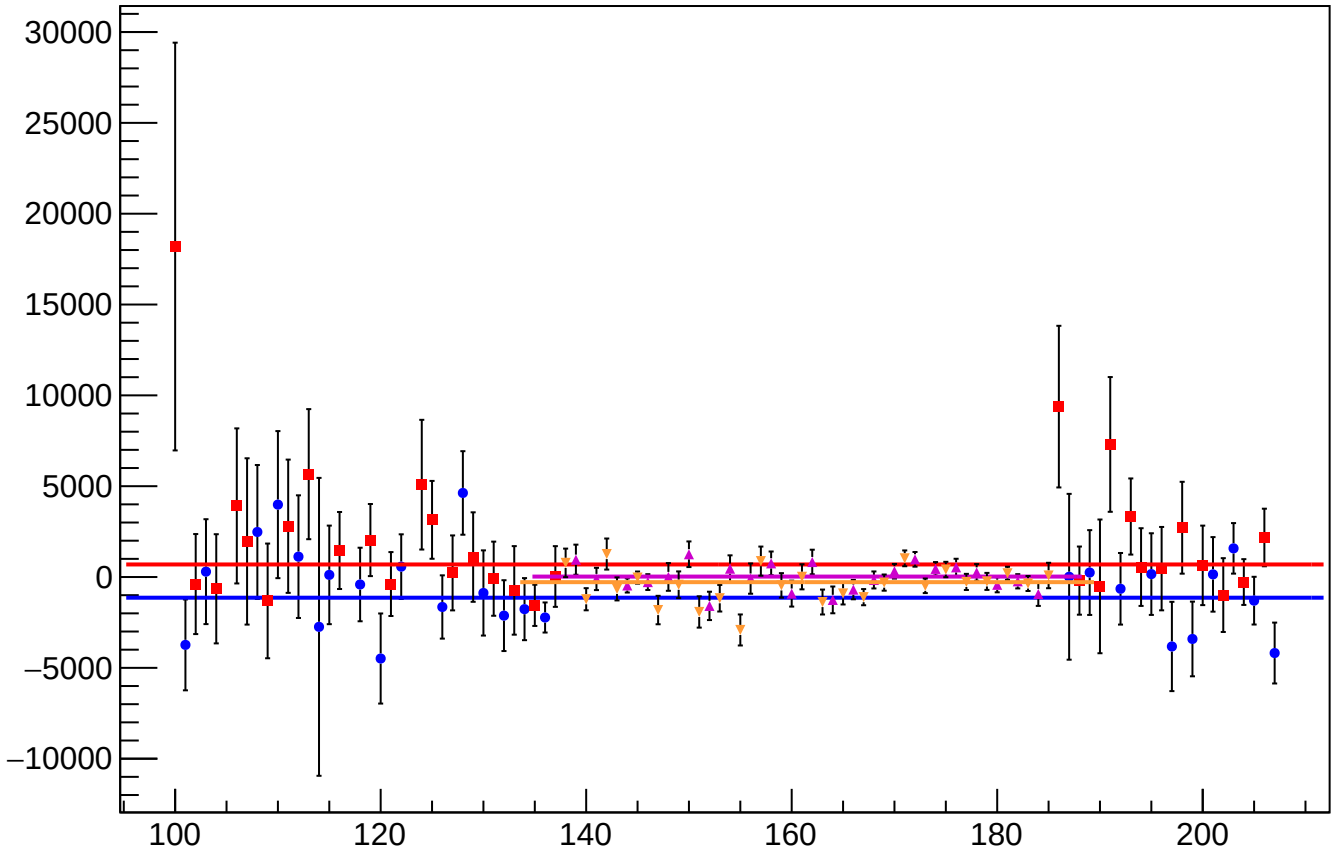
Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

Right: 166.292+/-0.023 χ^2/NDF: 6779426.0/56

In: 110.943+/-0.015 χ^2/NDF:6818685.2/48

Out: 111.322+/-0.014 χ^2/NDF:9111778.9/55

All: 111.137+/-0.010 χ^2/NDF: 15930813.3/10



Right In: -1138.392+/-380.122 χ^2/NDF: 26.7/25

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

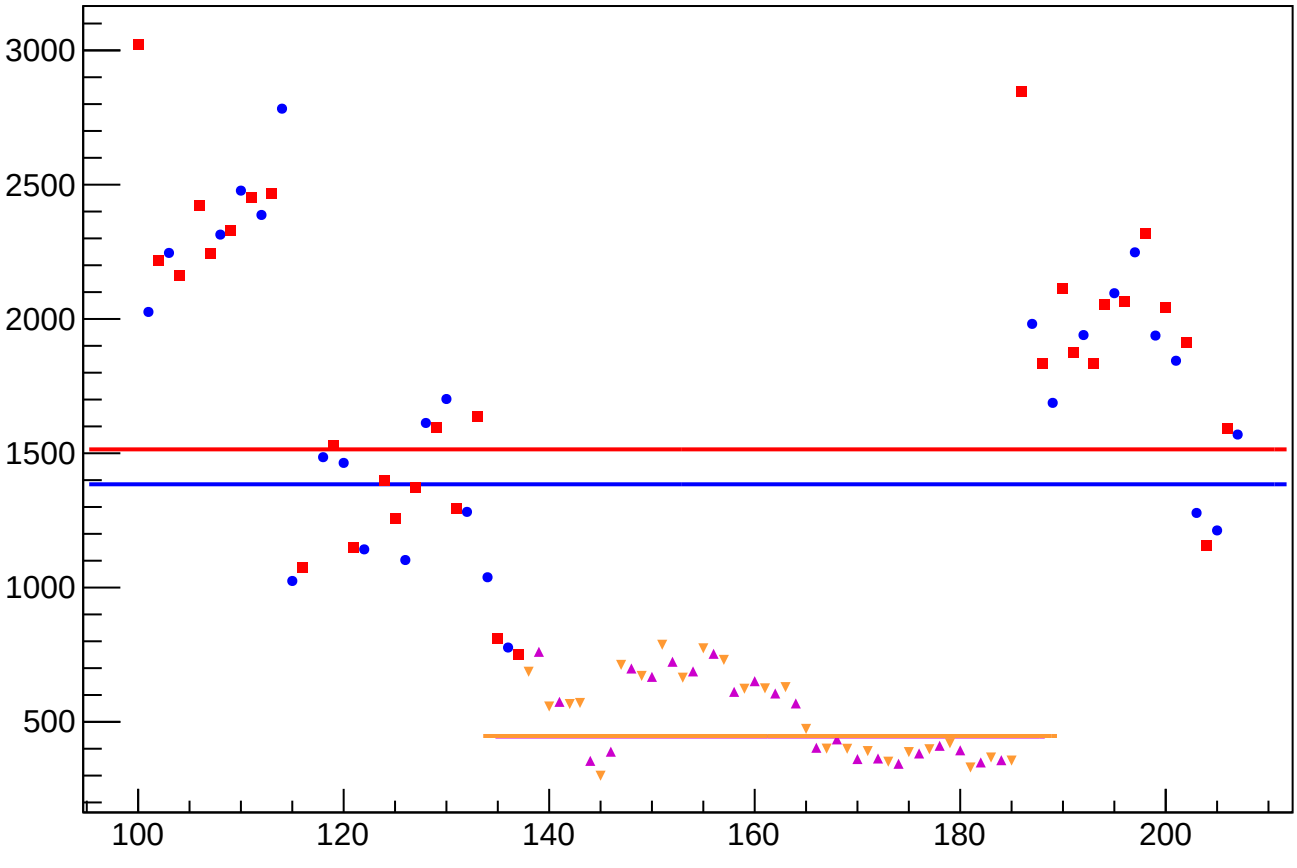
Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

Right: -259.305+/-274.017 χ^2/NDF: 64.1/56

In: -63.564+/-104.674 χ^2/NDF:68.3/48

Out: -216.642+/-102.739 χ^2/NDF:82.3/55

All: -141.531+/-73.322 χ^2/NDF: 151.8/104



Right In: 1384.508+/-0.269 χ^2/NDF: 3161810.3/25

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

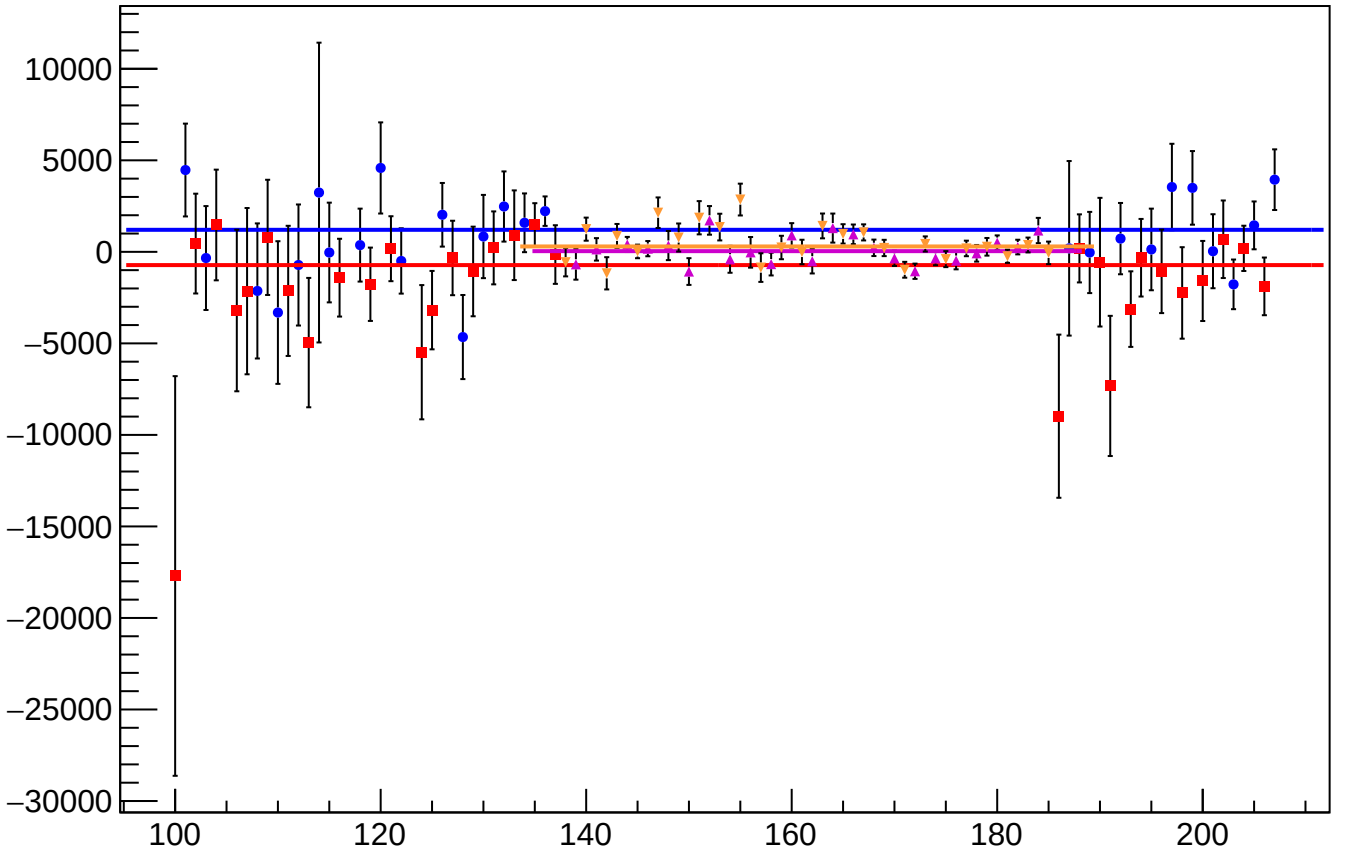
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1446.958+/-0.194 χ^2/NDF: 6667693.1/56

In: 516.695+/-0.074 χ^2/NDF:17154441.6/48

Out: 519.445+/-0.073 χ^2/NDF:20177740.7/55

All: 518.096+/-0.052 χ^2/NDF: 37332885.5/10



Right In: 1203.917+/-373.140 χ^2/NDF: 27.4/25

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

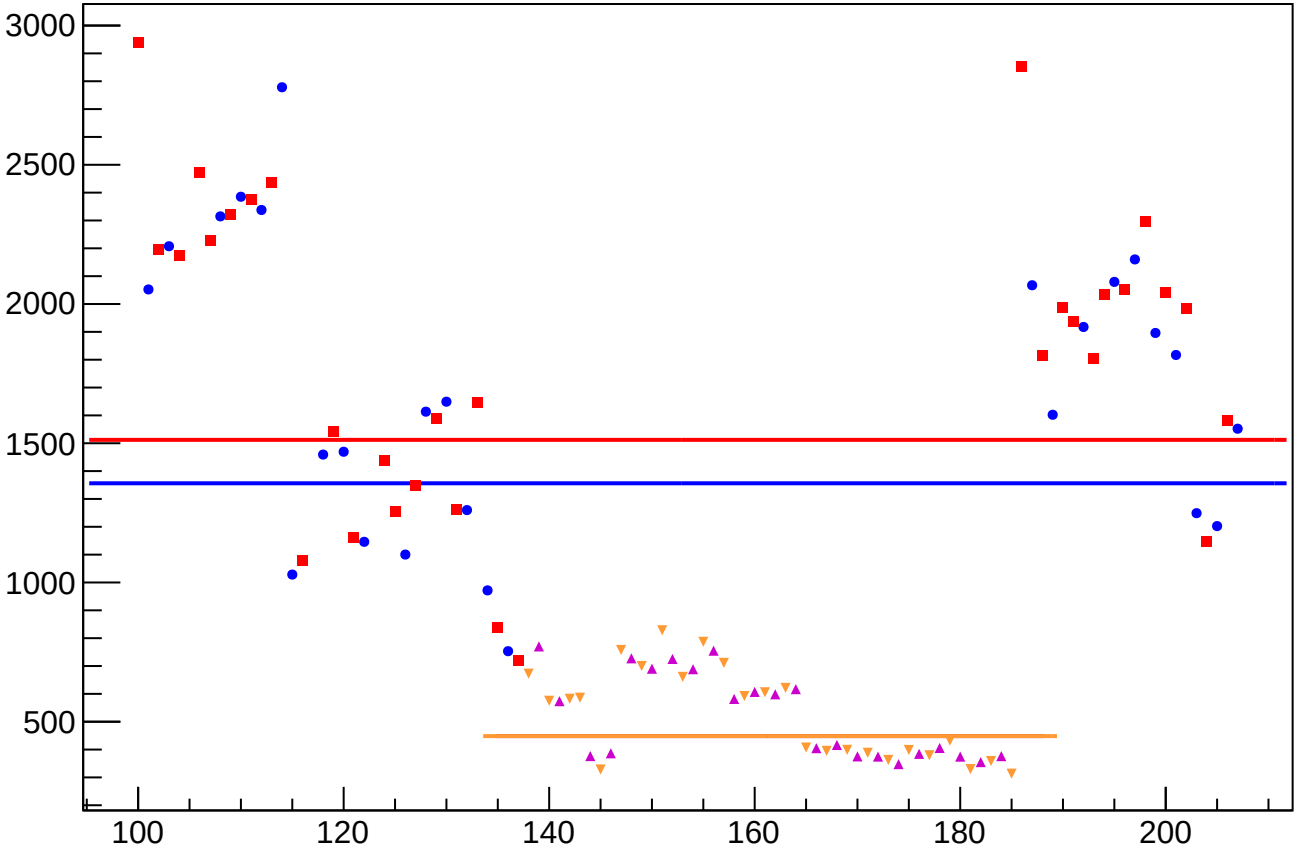
Right: 293.995+/-271.119 χ^2/NDF: 63.5/56

In: 130.255+/-104.906 χ^2/NDF:69.3/48

Out: 225.471+/-103.100 χ^2/NDF:80.2/55

All: 178.690+/-73.533 χ^2/NDF: 149.9/104

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1356.215+/-0.264 χ^2/NDF: 3245447.4/25

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

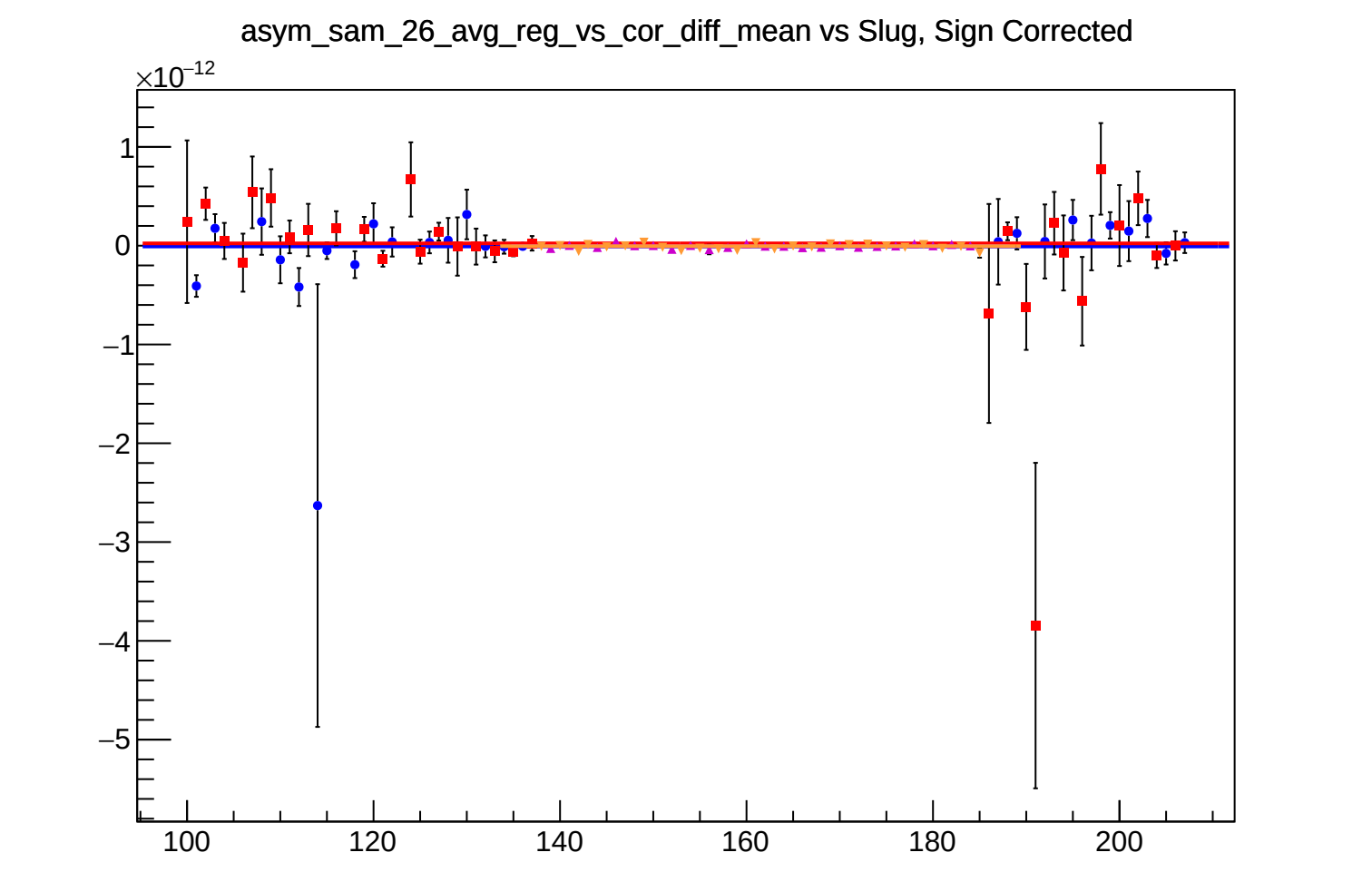
Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

Right: 1429.833+/-0.192 χ^2/NDF: 6750607.6/56

In: 520.153+/-0.074 χ^2/NDF:16768636.4/48

Out: 520.905+/-0.073 χ^2/NDF:20042793.3/55

All: 520.536+/-0.052 χ^2/NDF: 36811482.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 35.2/25

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

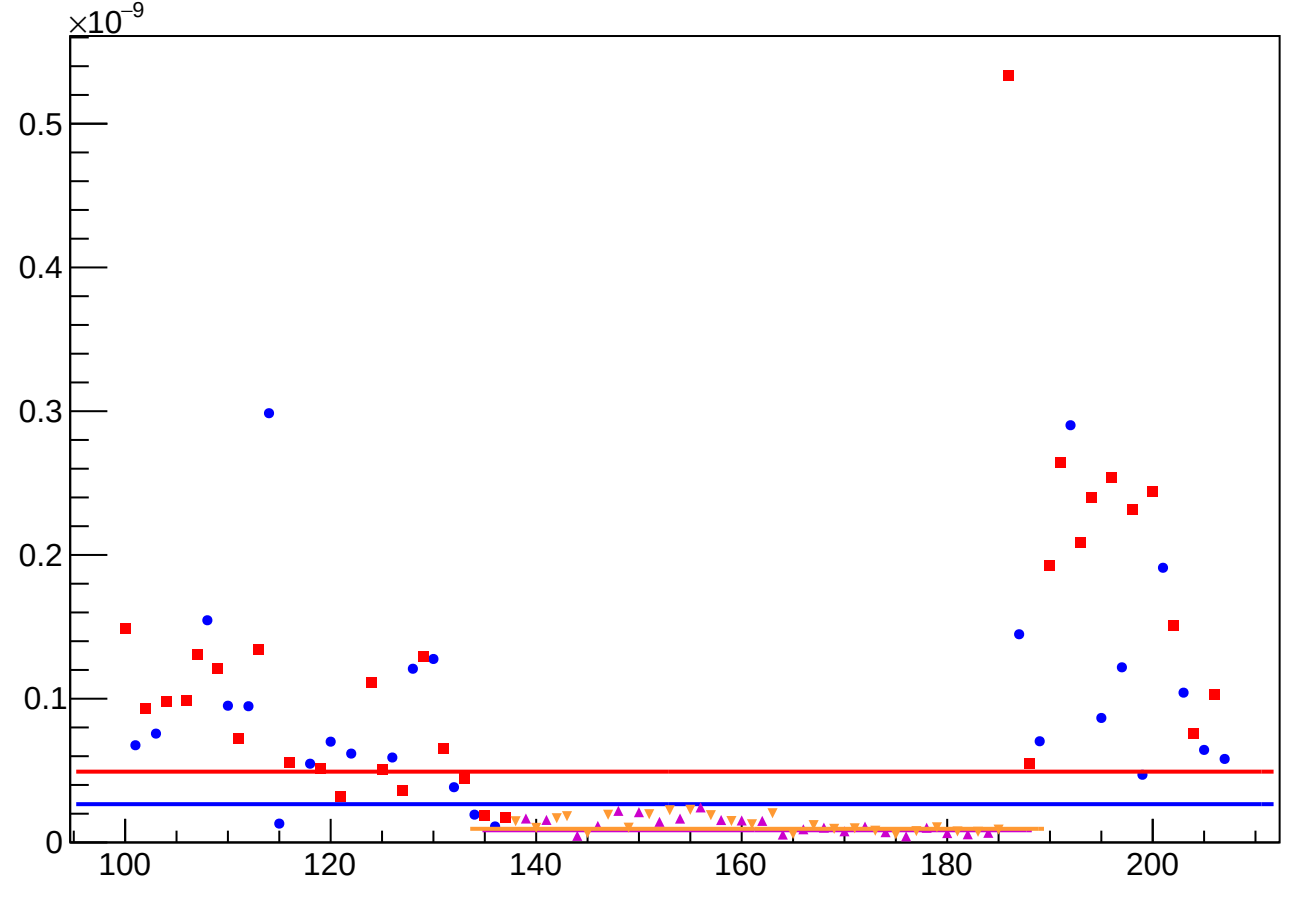
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: 0.000+/-0.000 χ^2/NDF: 80.7/56

In: -0.000+/-0.000 χ^2/NDF:51.9/48

Out: -0.000+/-0.000 χ^2/NDF:68.8/55

All: -0.000+/-0.000 χ^2/NDF: 120.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 6652896.3/25

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

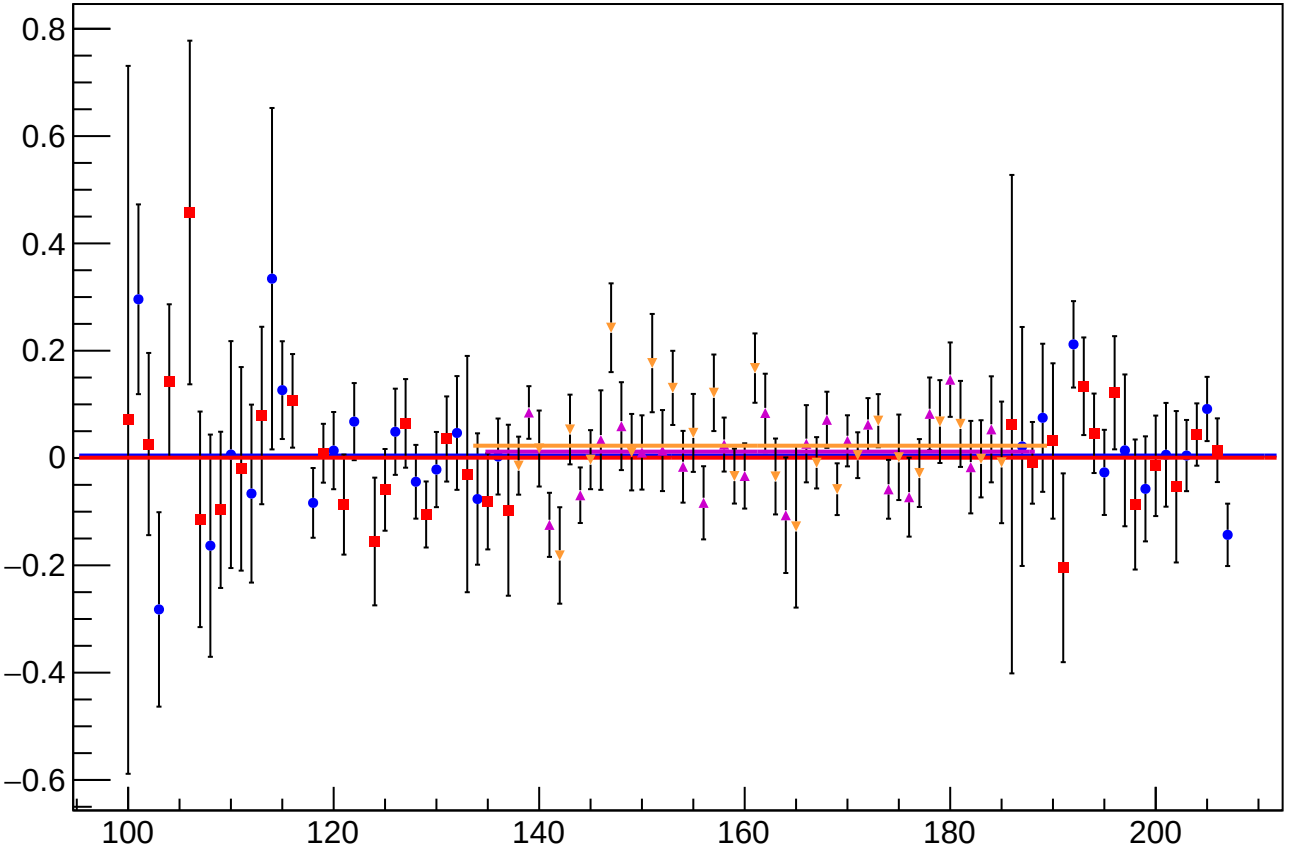
Right: 0.000+/-0.000 χ^2/NDF: 13588112.6/56

In: 0.000+/-0.000 χ^2/NDF:11594876.4/48

Out: 0.000+/-0.000 χ^2/NDF:13165606.8/55

All: 0.000+/-0.000 χ^2/NDF: 24844751.3/104

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 29.1/25

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

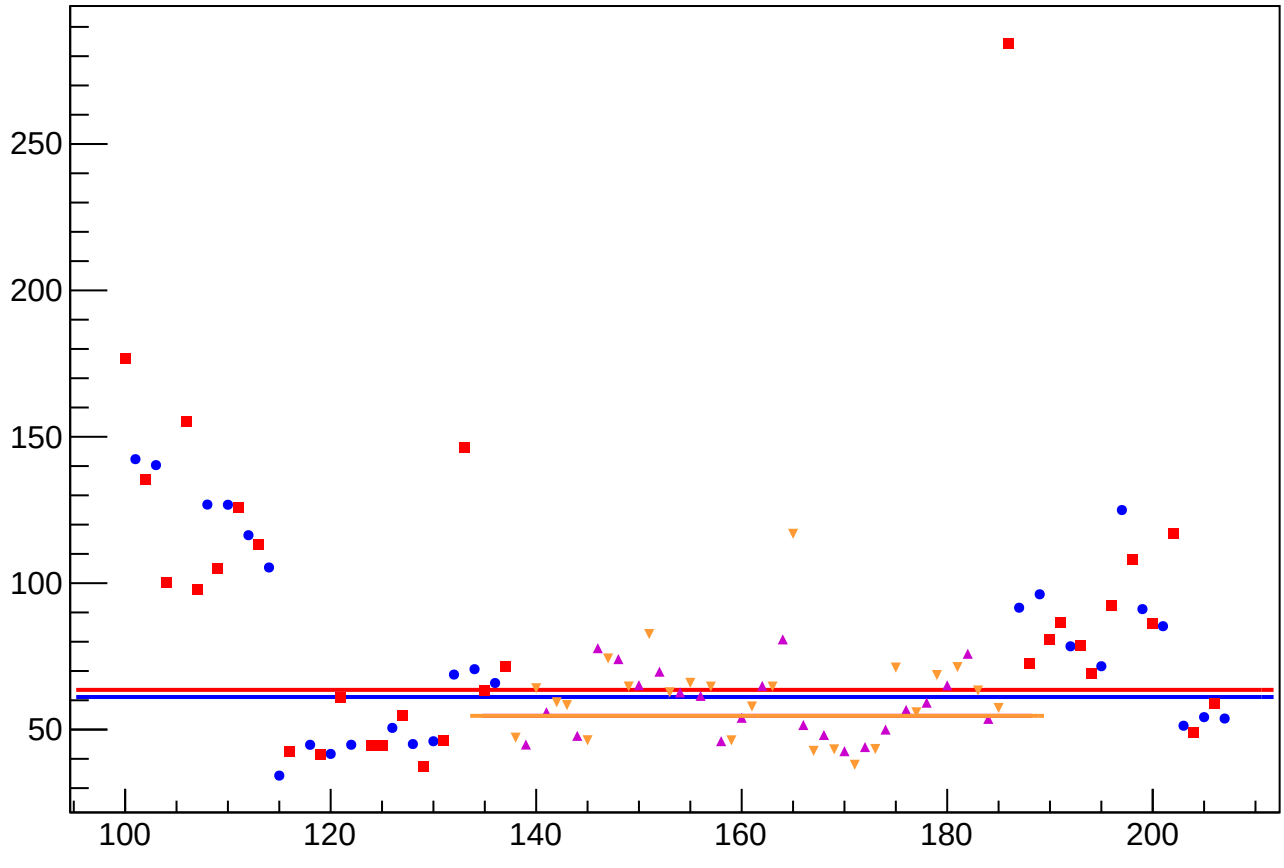
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.003+/-0.012 χ^2/NDF: 49.5/56

In: 0.009+/-0.011 χ^2/NDF:55.1/48

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.012+/-0.007 χ^2/NDF: 110.9/104



Right In: 61.118+/-0.012 χ^2/NDF: 3393813.2/25

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

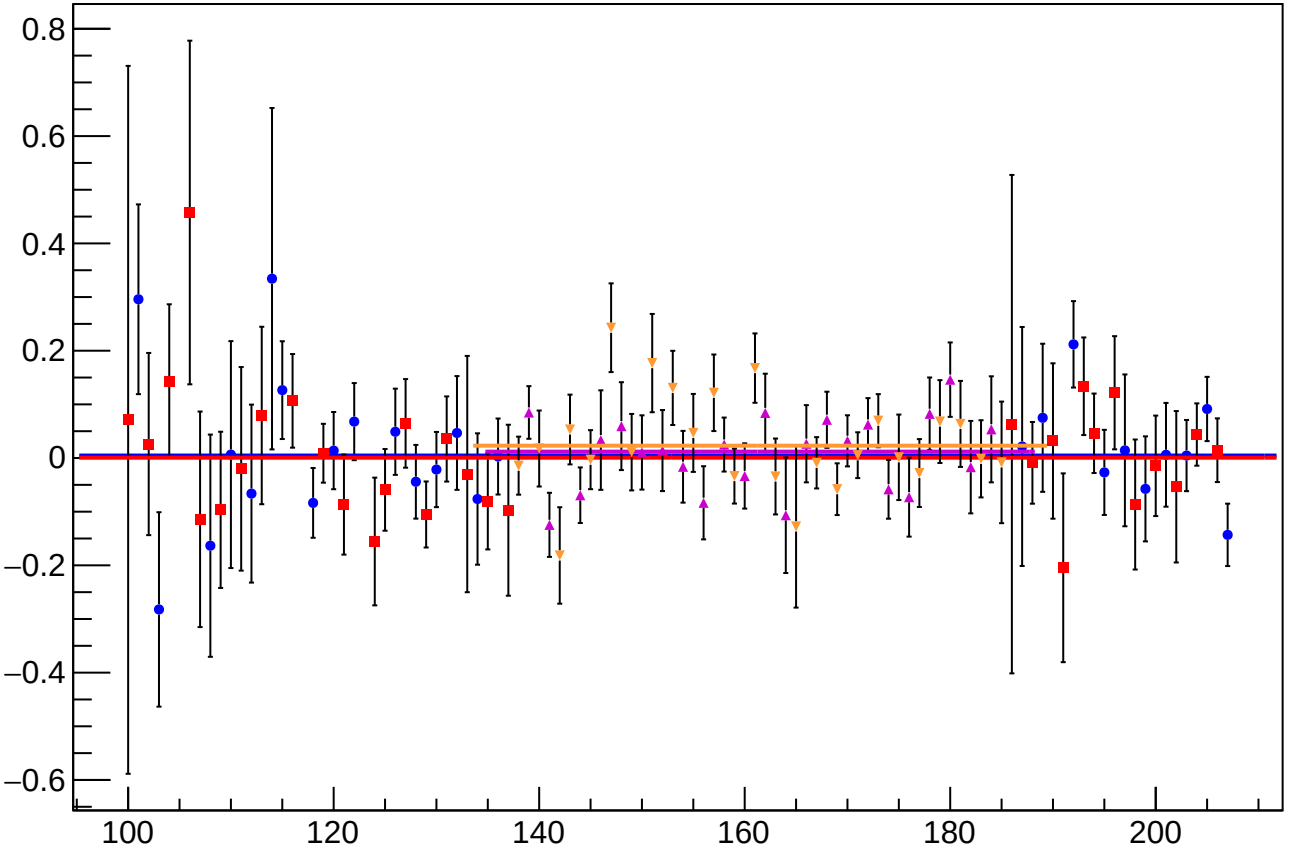
Right: 62.337+/-0.009 χ^2/NDF: 7705596.9/56

In: 57.036+/-0.007 χ^2/NDF:4756353.9/48

Out: 57.822+/-0.007 χ^2/NDF:6561737.4/55

All: 57.436+/-0.005 χ^2/NDF: 11323721.1/104

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 29.1/25

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

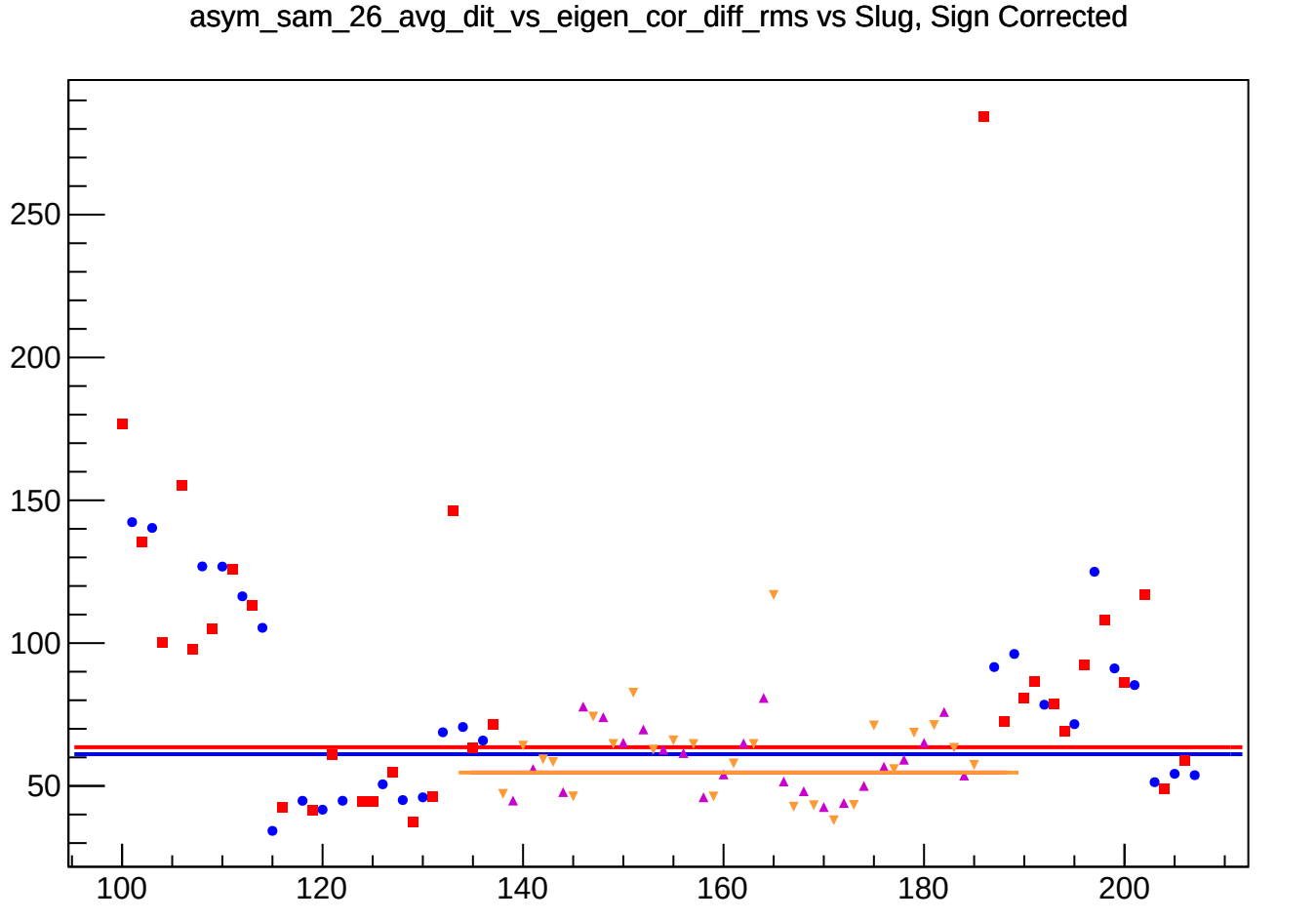
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.003+/-0.012 χ^2/NDF: 49.5/56

In: 0.009+/-0.011 χ^2/NDF:55.1/48

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.012+/-0.007 χ^2/NDF: 110.9/104



Right In: 61.118+/-0.012 χ^2/NDF: 3393813.2/25

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

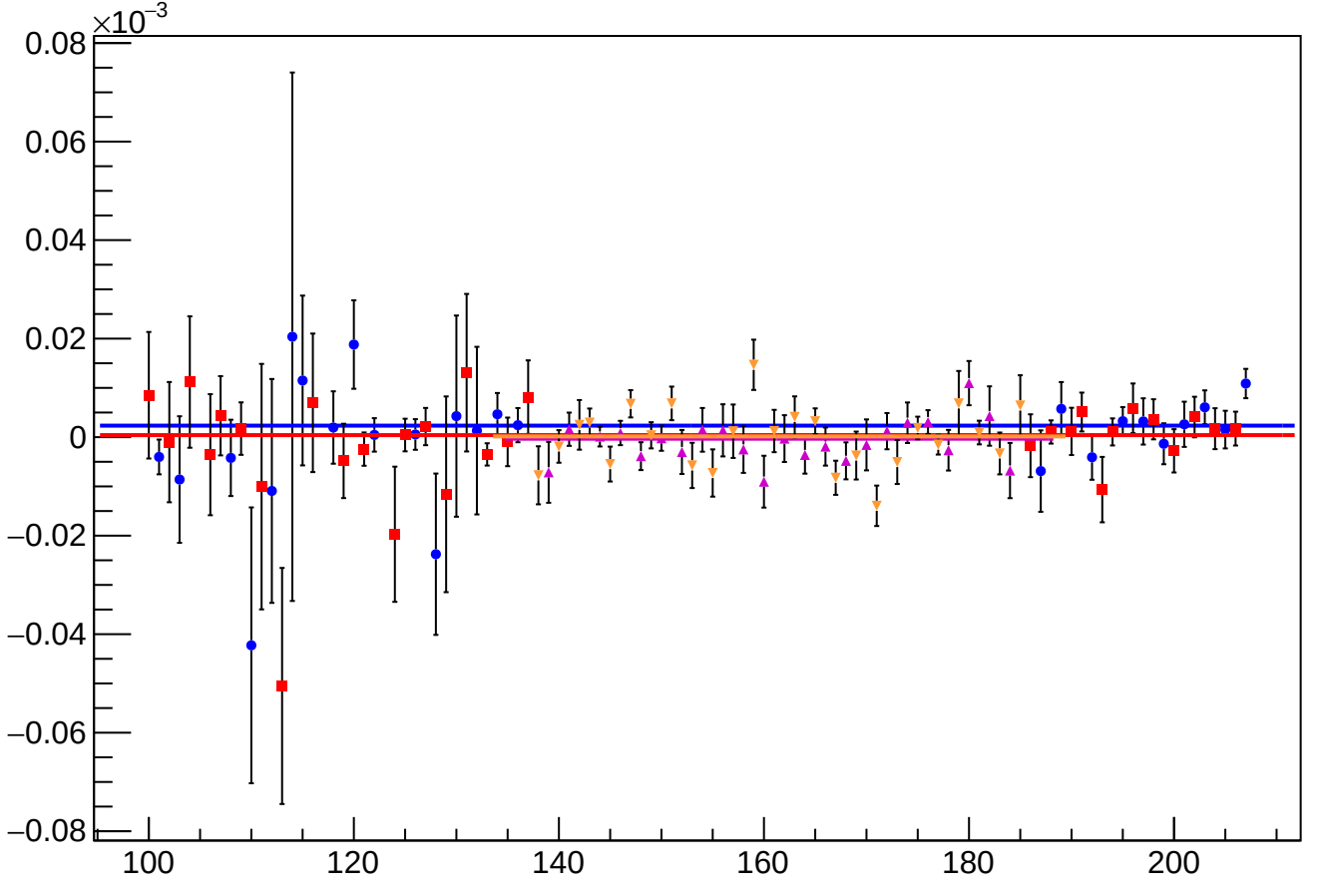
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 62.337+/-0.009 χ^2/NDF: 7705596.9/56

In: 57.036+/-0.007 χ^2/NDF:4756353.9/48

Out: 57.822+/-0.007 χ^2/NDF:6561737.4/55

All: 57.436+/-0.005 χ^2/NDF: 11323721.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/25

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

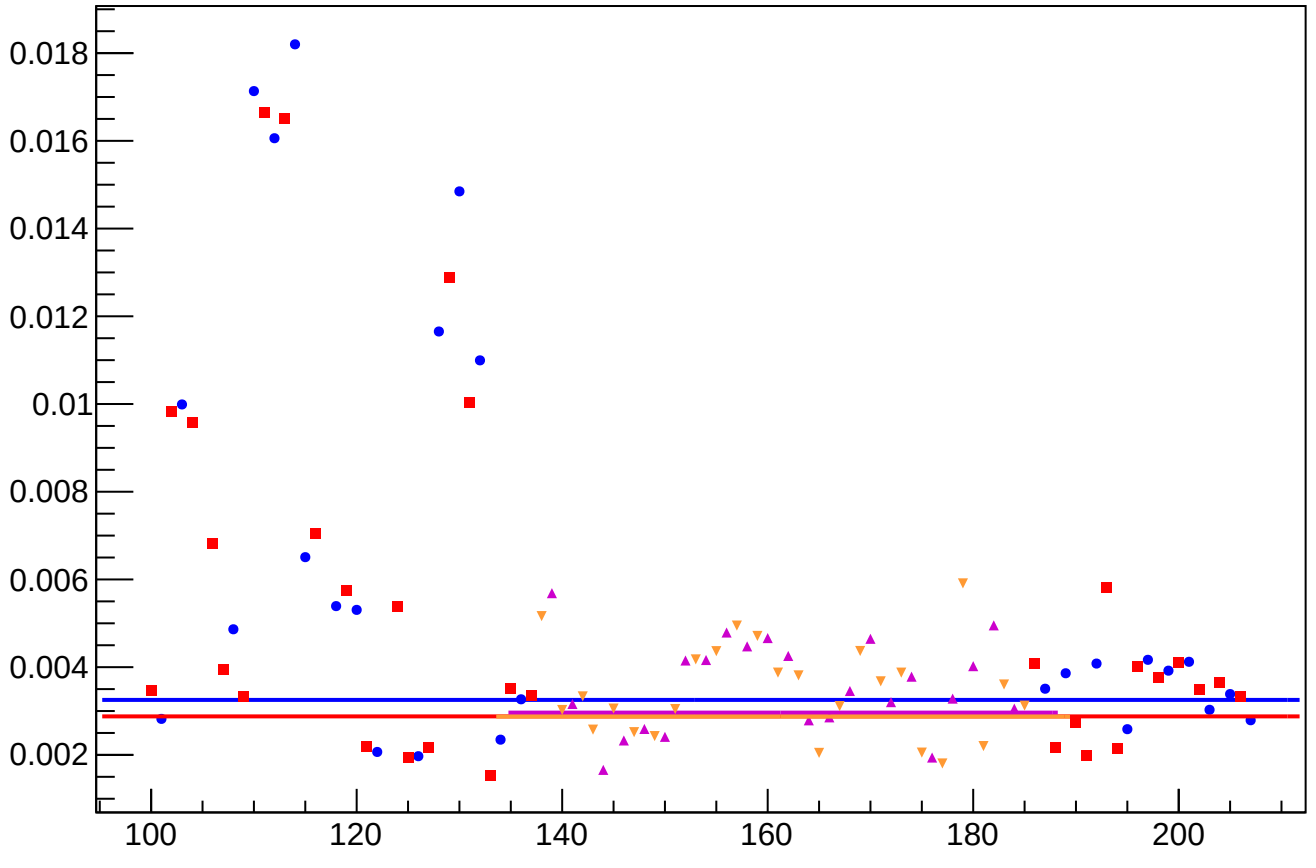
Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

Right: 0.000+/-0.000 χ^2/NDF: 54.0/56

In: 0.000+/-0.000 χ^2/NDF:54.3/48

Out: 0.000+/-0.000 χ^2/NDF:76.7/55

All: 0.000+/-0.000 χ^2/NDF: 131.3/104



Right In: 0.003+/-0.000 χ^2/NDF: 5014102.3/25

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

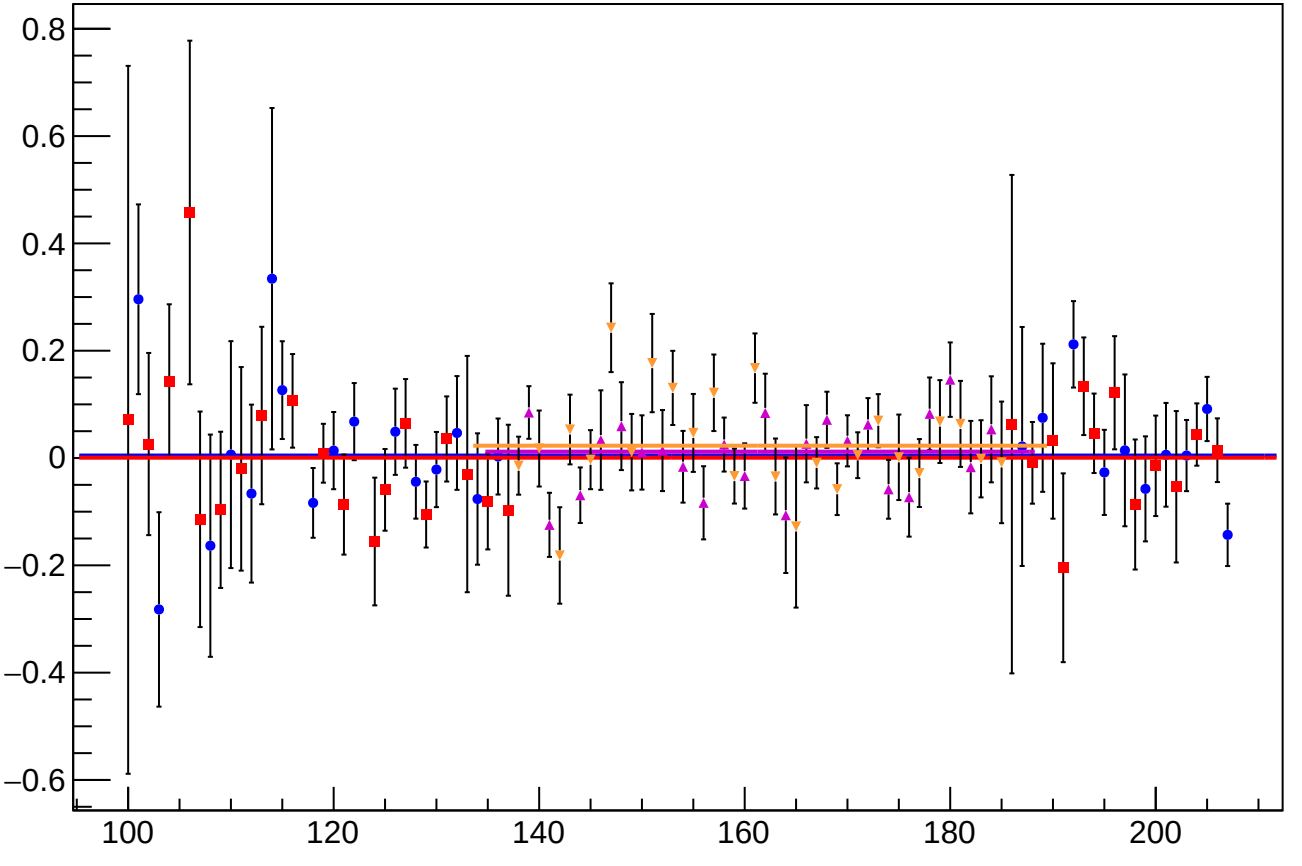
Right: 0.003+/-0.000 χ^2/NDF: 11757153.8/56

In: 0.003+/-0.000 χ^2/NDF:8748031.0/48

Out: 0.003+/-0.000 χ^2/NDF:10168413.5/55

All: 0.003+/-0.000 χ^2/NDF: 19044138.6/104

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 29.1/25

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

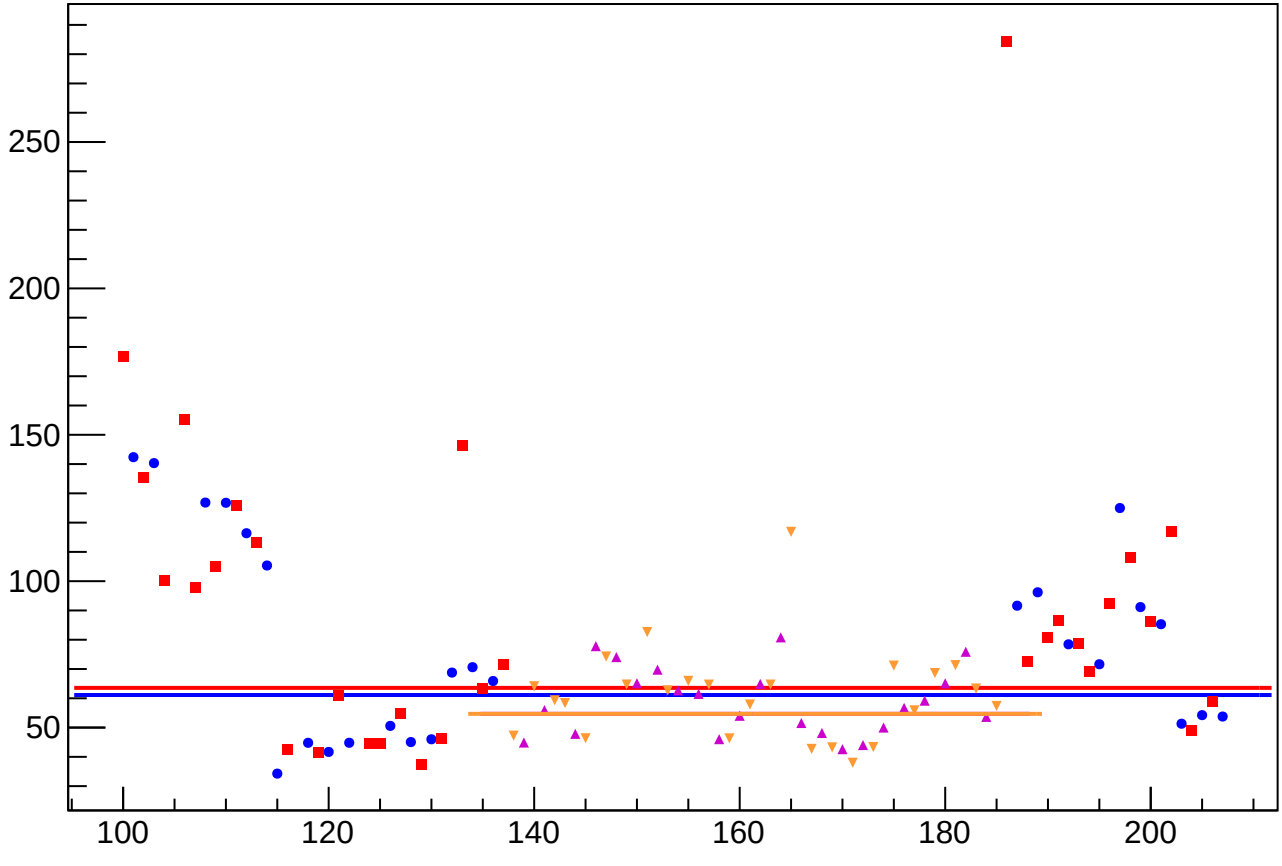
Right: 0.003+/-0.012 χ^2/NDF: 49.5/56

In: 0.009+/-0.011 χ^2/NDF:55.1/48

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.012+/-0.007 χ^2/NDF: 110.9/104

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.117+/-0.012 χ^2/NDF: 3393801.1/25

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

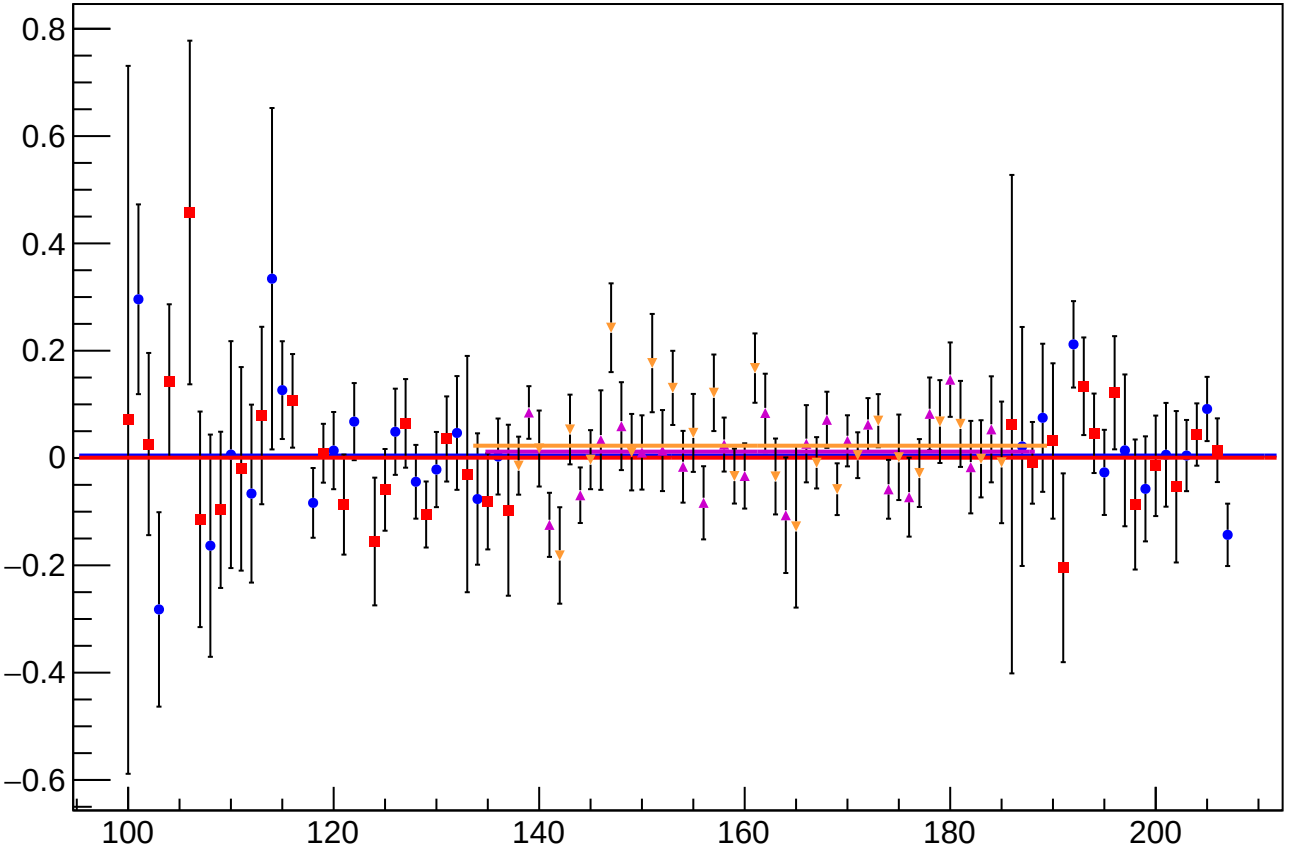
Right: 62.337+/-0.009 χ^2/NDF: 7705588.4/56

In: 57.036+/-0.007 χ^2/NDF:4756263.1/48

Out: 57.823+/-0.007 χ^2/NDF:6561683.8/55

All: 57.436+/-0.005 χ^2/NDF: 11323576.0/104

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.017 χ^2/NDF: 29.1/25

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

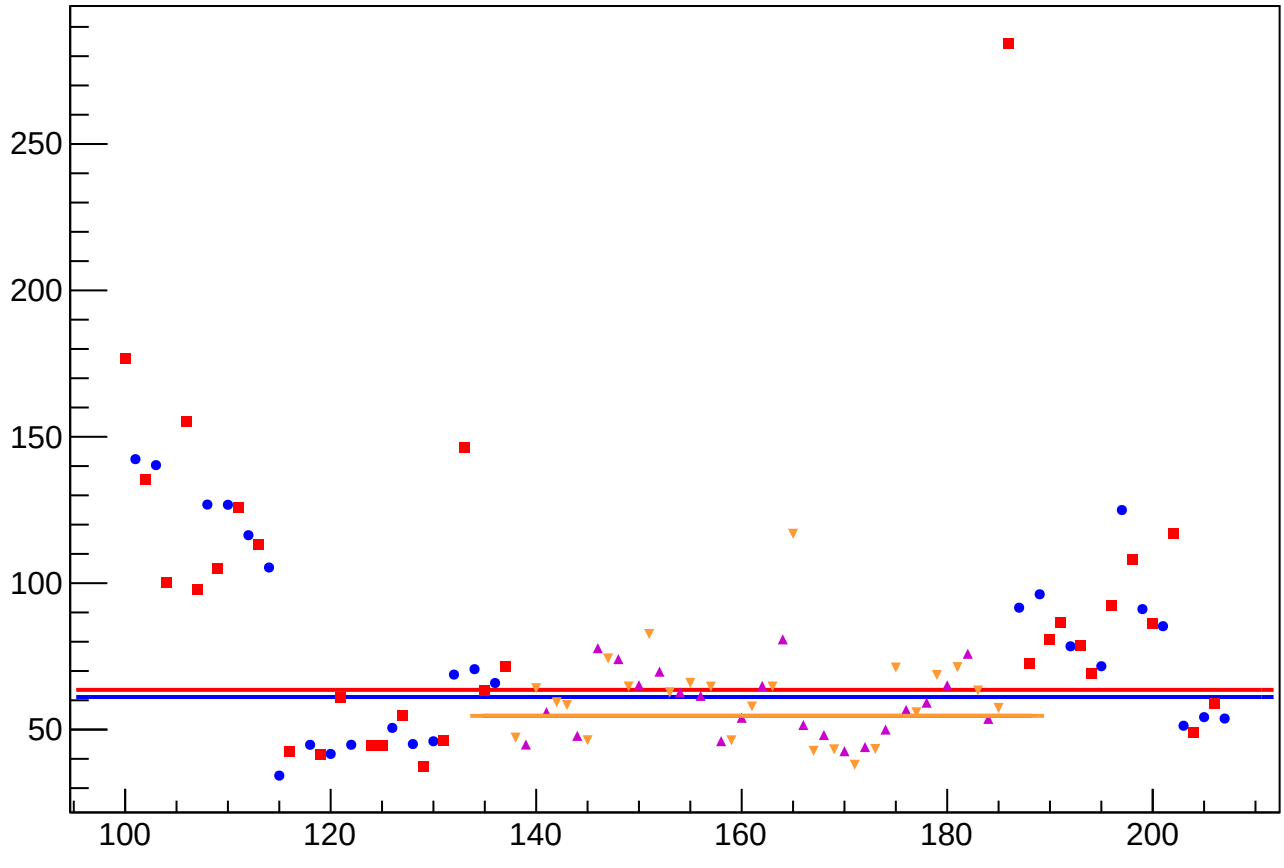
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.003+/-0.012 χ^2/NDF: 49.5/56

In: 0.009+/-0.011 χ^2/NDF:55.1/48

Out: 0.015+/-0.010 χ^2/NDF:55.6/55

All: 0.012+/-0.007 χ^2/NDF: 110.9/104



Right In: 61.117+/-0.012 χ^2/NDF: 3393801.1/25

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

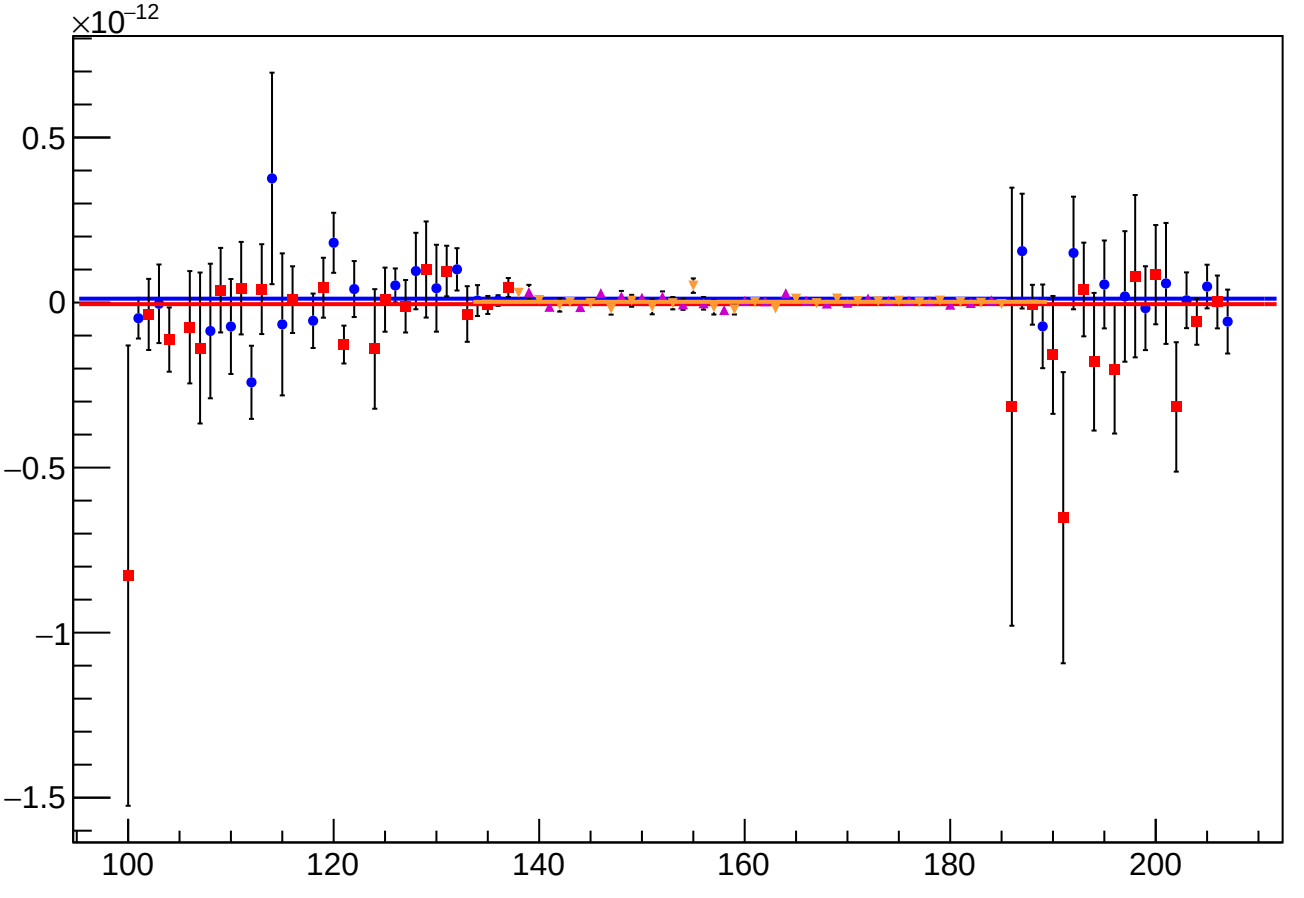
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 62.337+/-0.009 χ^2/NDF: 7705588.4/56

In: 57.036+/-0.007 χ^2/NDF:4756263.1/48

Out: 57.823+/-0.007 χ^2/NDF:6561683.8/55

All: 57.436+/-0.005 χ^2/NDF: 11323576.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/25

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

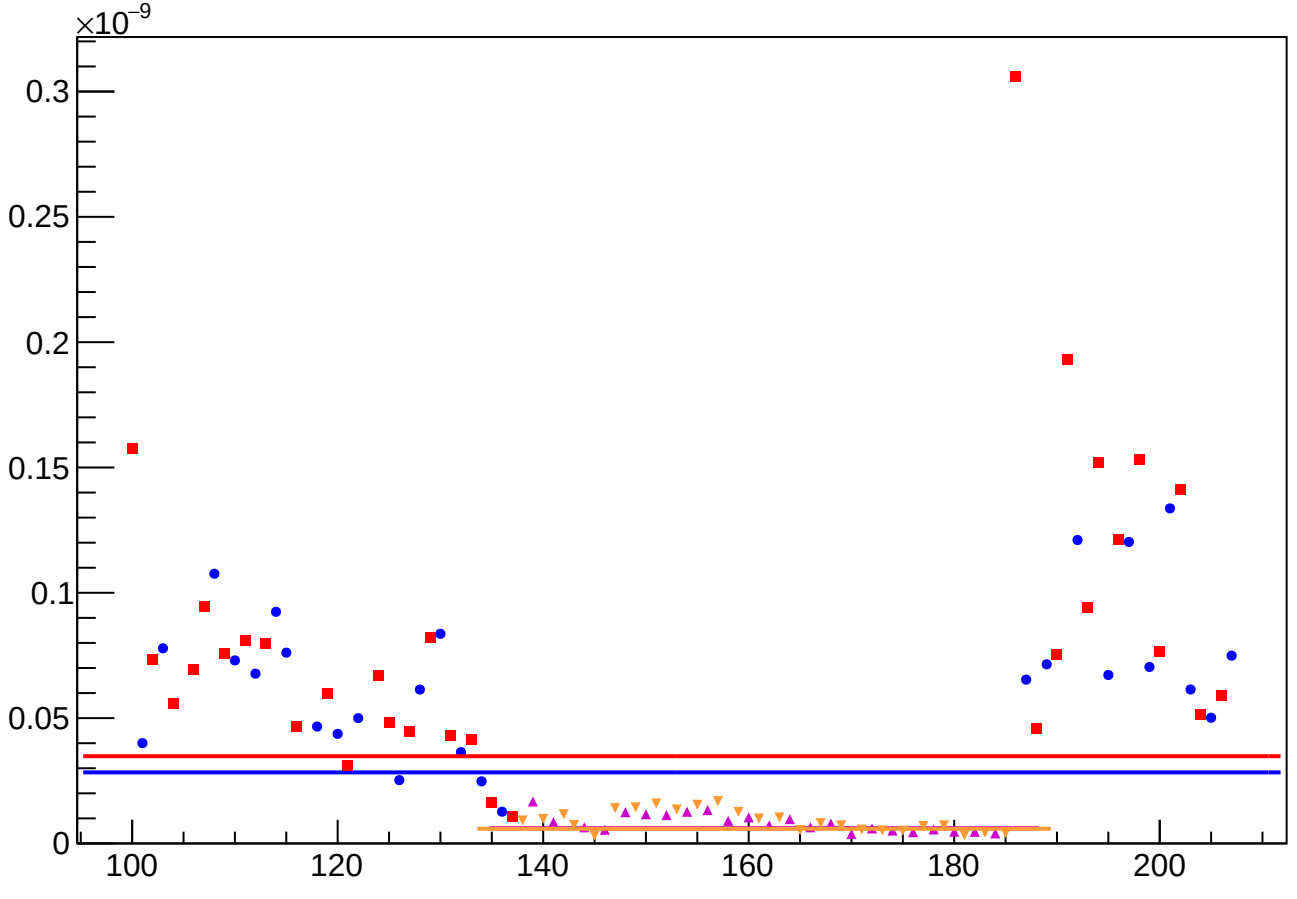
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 42.3/56

In: 0.000+/-0.000 χ^2/NDF:52.1/48

Out: 0.000+/-0.000 χ^2/NDF:43.9/55

All: 0.000+/-0.000 χ^2/NDF: 96.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 7458417.7/25

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

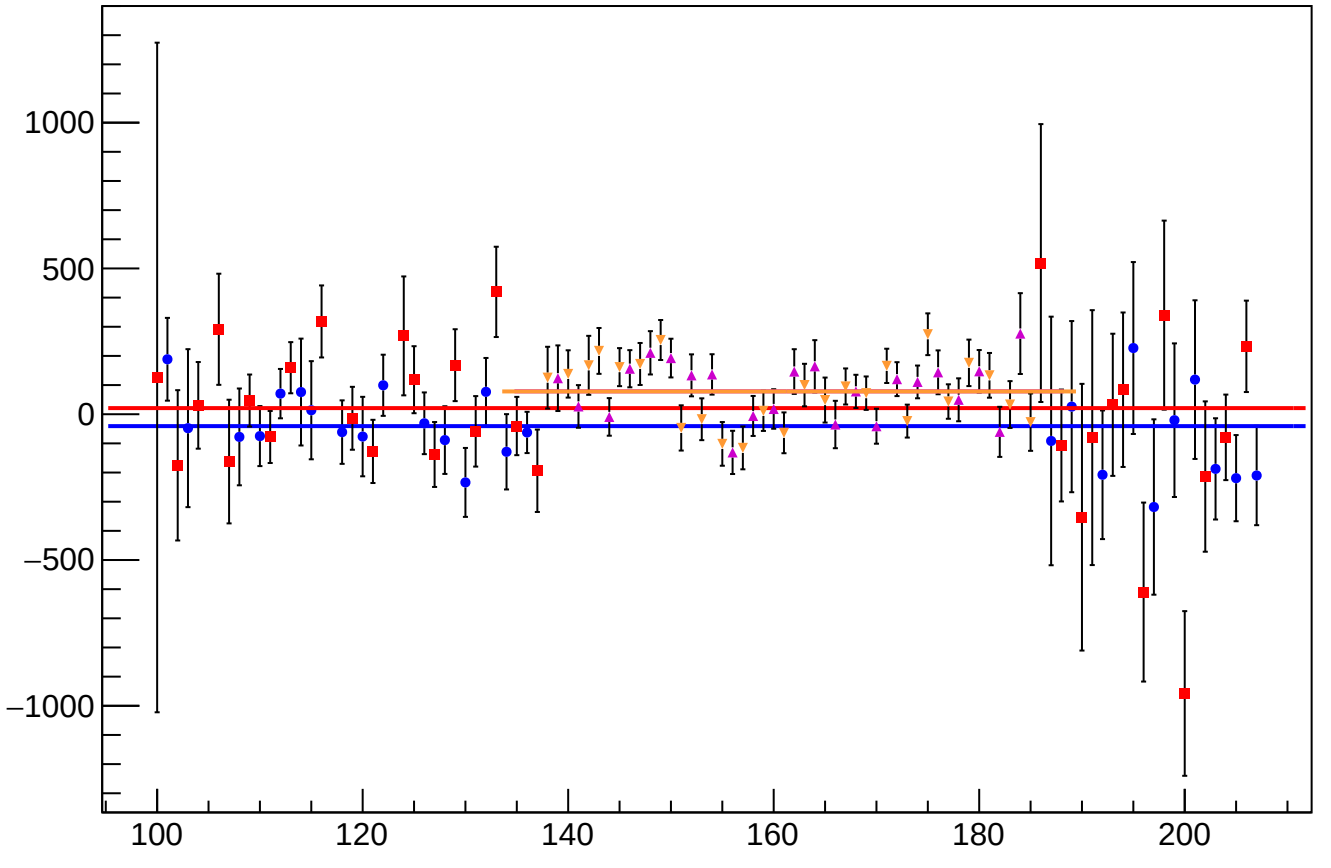
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 15518517.8/56

In: 0.000+/-0.000 χ^2/NDF:17259788.6/48

Out: 0.000+/-0.000 χ^2/NDF:21638666.3/55

All: 0.000+/-0.000 χ^2/NDF: 38926266.5/104



Right In: -40.800+/-26.747 χ^2/NDF: 17.2/25

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

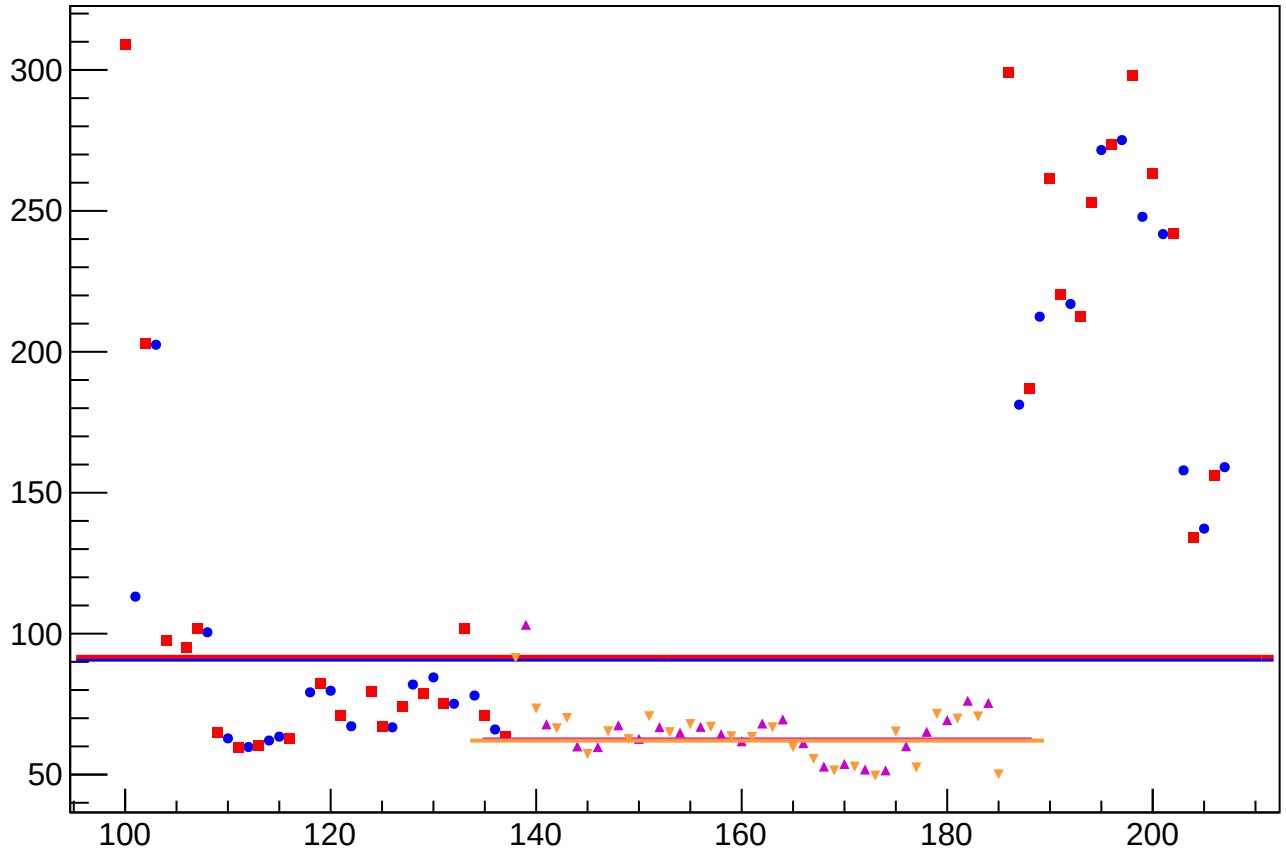
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -9.419+/-18.763 χ^2/NDF: 72.9/56

In: 50.507+/-12.957 χ^2/NDF:69.0/48

Out: 65.099+/-12.583 χ^2/NDF:110.5/55

All: 58.017+/-9.027 χ^2/NDF: 180.2/104



Right In: 90.781+/-0.019 χ^2/NDF: 6209637.1/25

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

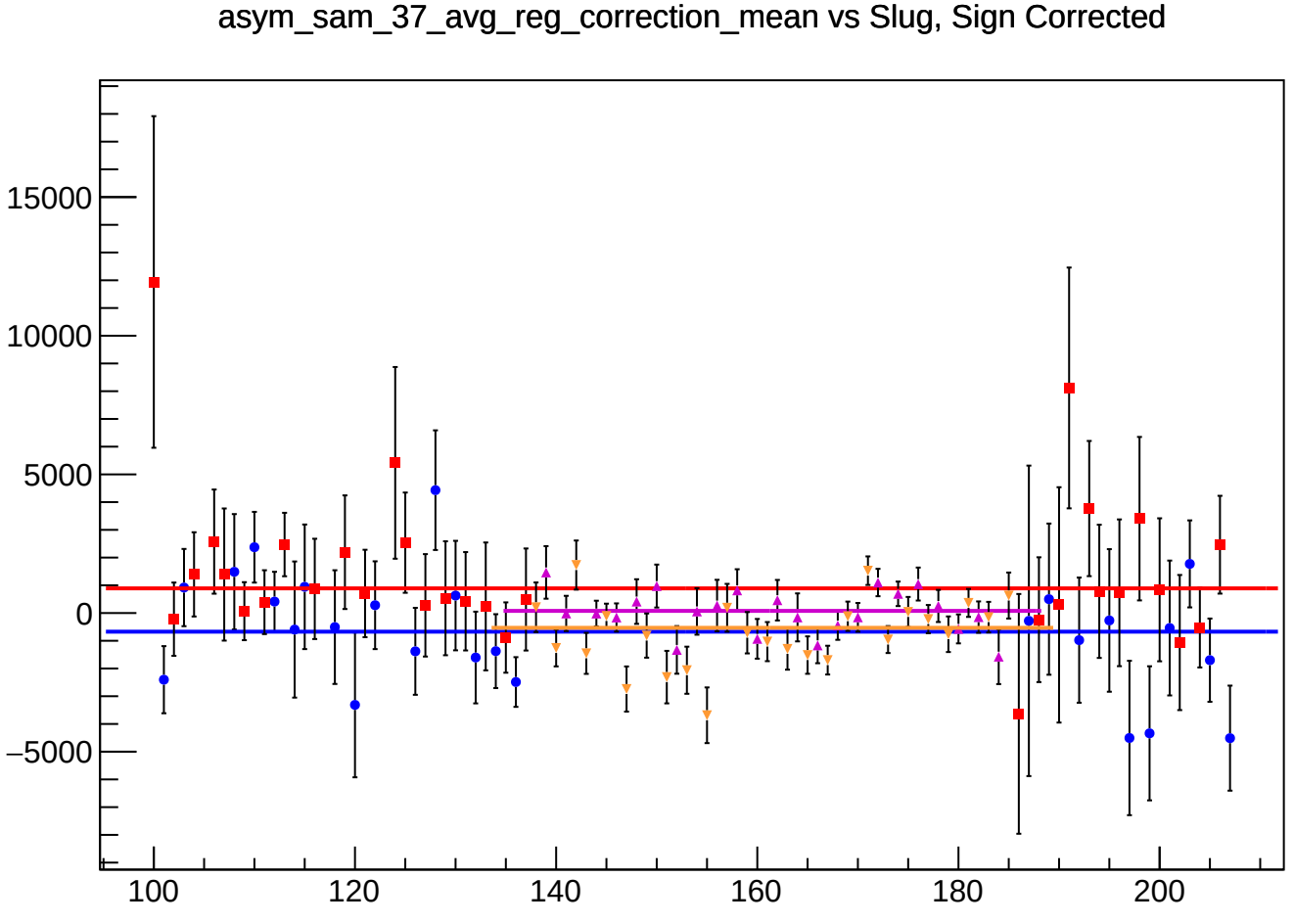
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 91.290+/-0.013 χ^2/NDF: 13920279.1/56

In: 69.095+/-0.009 χ^2/NDF:8592175.3/48

Out: 68.852+/-0.009 χ^2/NDF:10362233.2/55

All: 68.970+/-0.006 χ^2/NDF: 18954771.1/104



Right In: -672.083+/-329.287 χ^2/NDF: 35.4/25

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

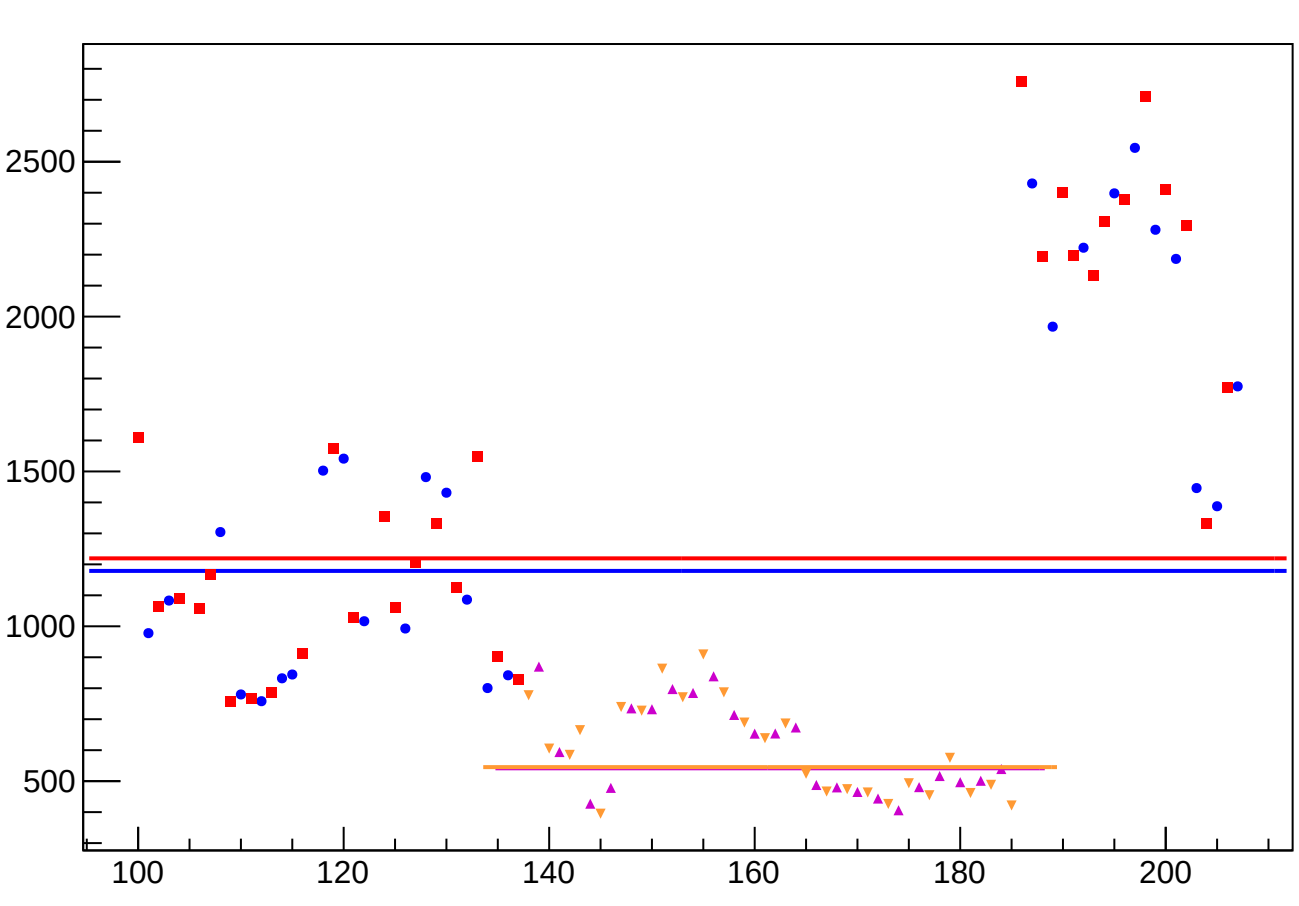
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 112.065+/-232.353 χ^2/NDF: 68.5/56

In: -24.096+/-121.173 χ^2/NDF:68.3/48

Out: -344.882+/-119.178 χ^2/NDF:107.2/55

All: -187.152+/-84.968 χ^2/NDF: 179.0/104



Right In: 1178.838+/-0.233 χ^2/NDF: 3997838.5/25

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

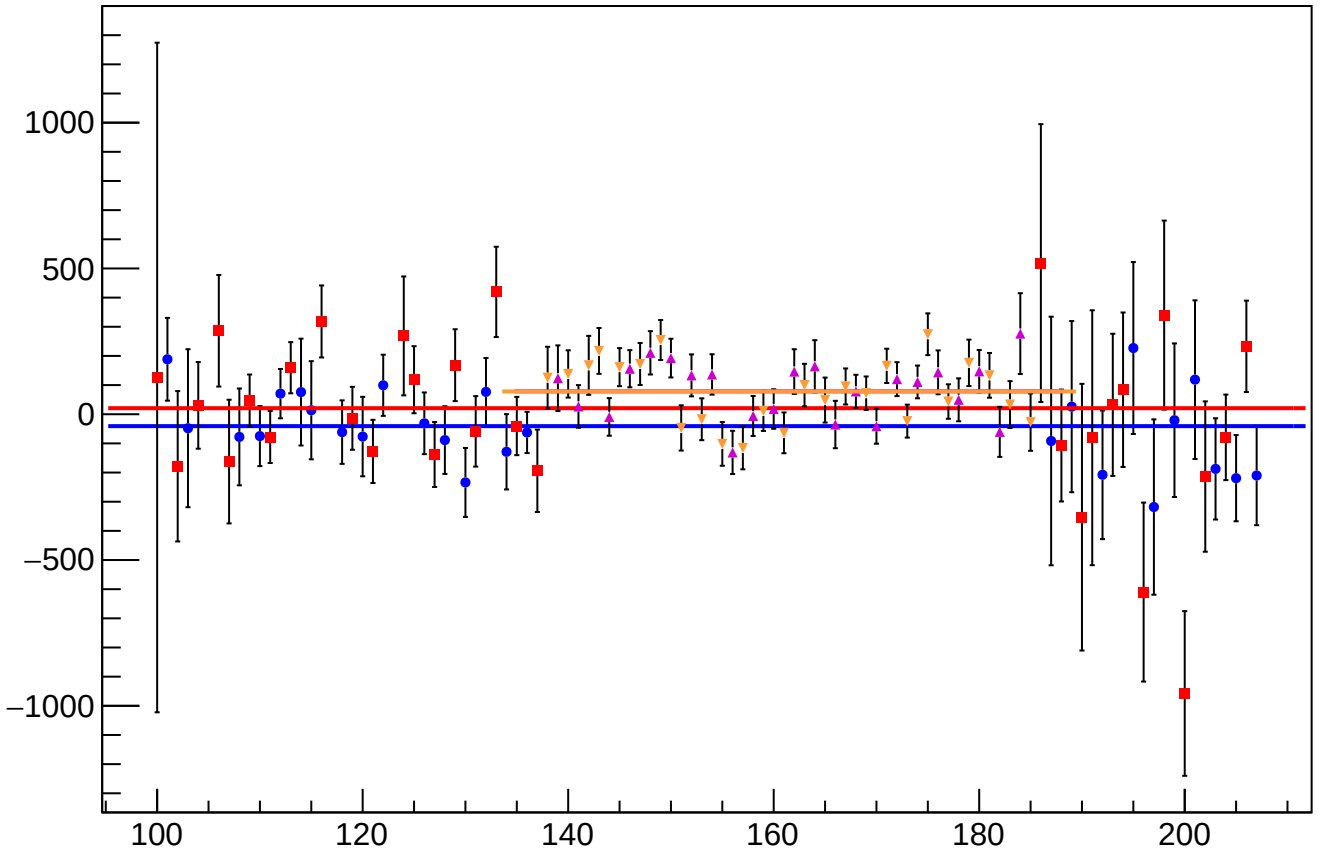
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1199.193+/-0.164 χ^2/NDF: 8991973.6/56

In: 627.768+/-0.086 χ^2/NDF:12316840.0/48

Out: 634.345+/-0.084 χ^2/NDF:14397672.4/55

All: 631.111+/-0.060 χ^2/NDF: 26717507.6/10



Right In: -40.808+/-26.747 χ^2/NDF: 17.2/25

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

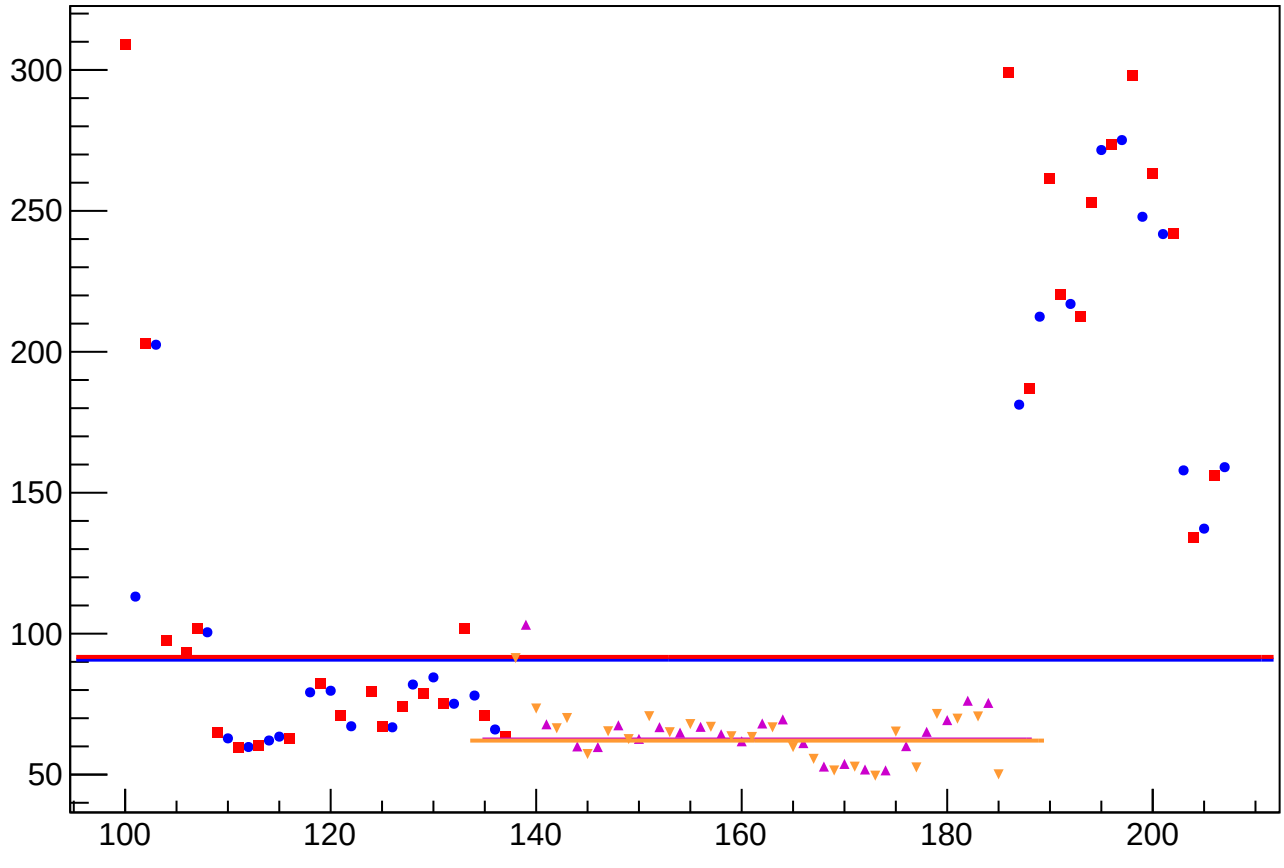
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -9.513+/-18.764 χ^2/NDF: 72.8/56

In: 50.505+/-12.957 χ^2/NDF:69.0/48

Out: 65.064+/-12.584 χ^2/NDF:110.5/55

All: 57.998+/-9.027 χ^2/NDF: 180.2/104



Right In: 90.781+/-0.019 χ^2/NDF: 6209639.5/25

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

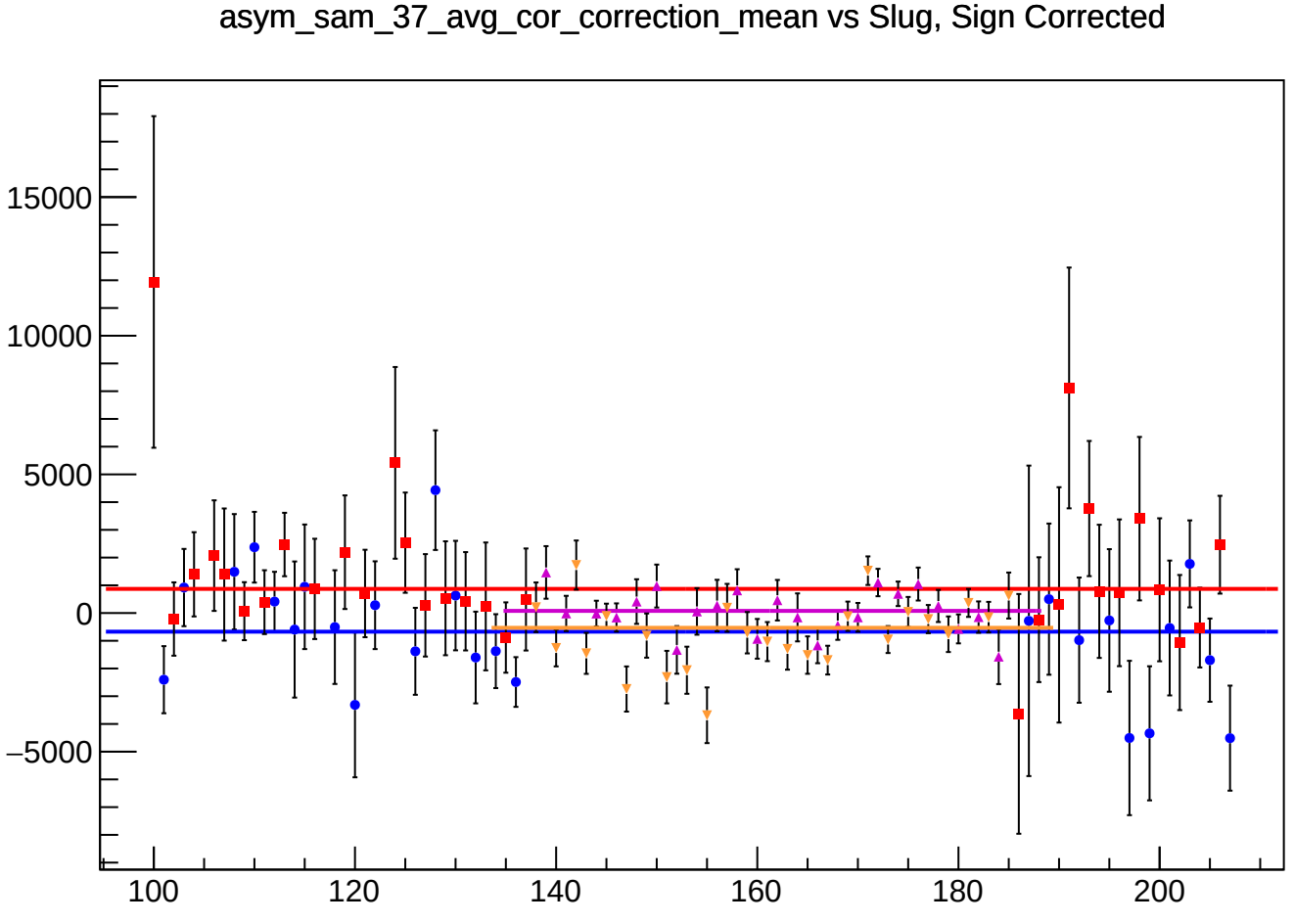
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 91.274+/-0.013 χ^2/NDF: 13919960.4/56

In: 69.095+/-0.009 χ^2/NDF:8592177.3/48

Out: 68.844+/-0.009 χ^2/NDF:10357412.9/55

All: 68.966+/-0.006 χ^2/NDF: 18949978.2/104



Right In: -672.074+/-329.289 χ^2/NDF: 35.4/25

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

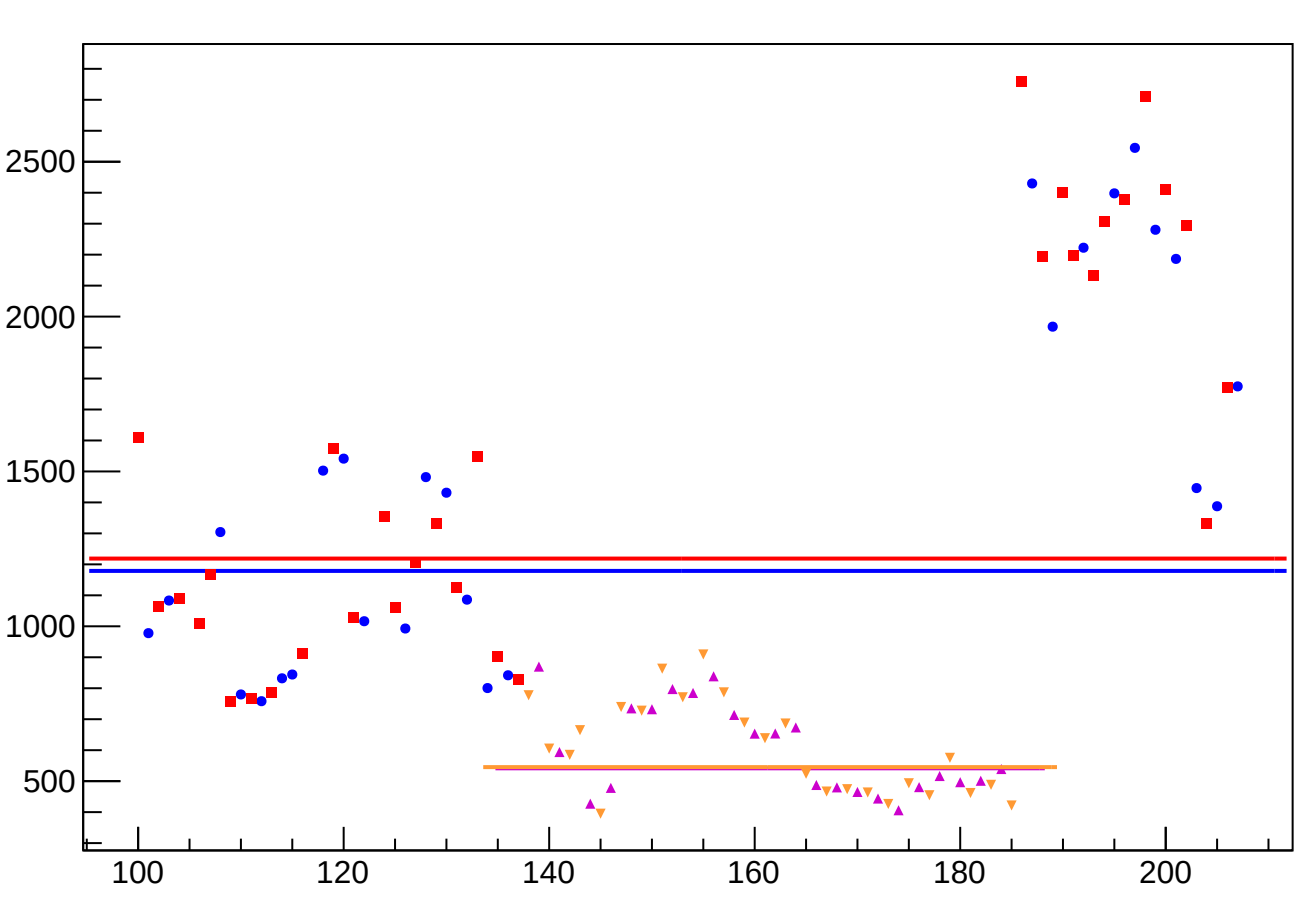
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 101.159+/-232.561 χ^2/NDF: 67.7/56

In: -24.095+/-121.173 χ^2/NDF:68.3/48

Out: -347.962+/-119.206 χ^2/NDF:106.2/55

All: -188.678+/-84.978 χ^2/NDF: 178.1/104



Right In: 1178.845+/-0.233 χ^2/NDF: 3997820.0/25

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

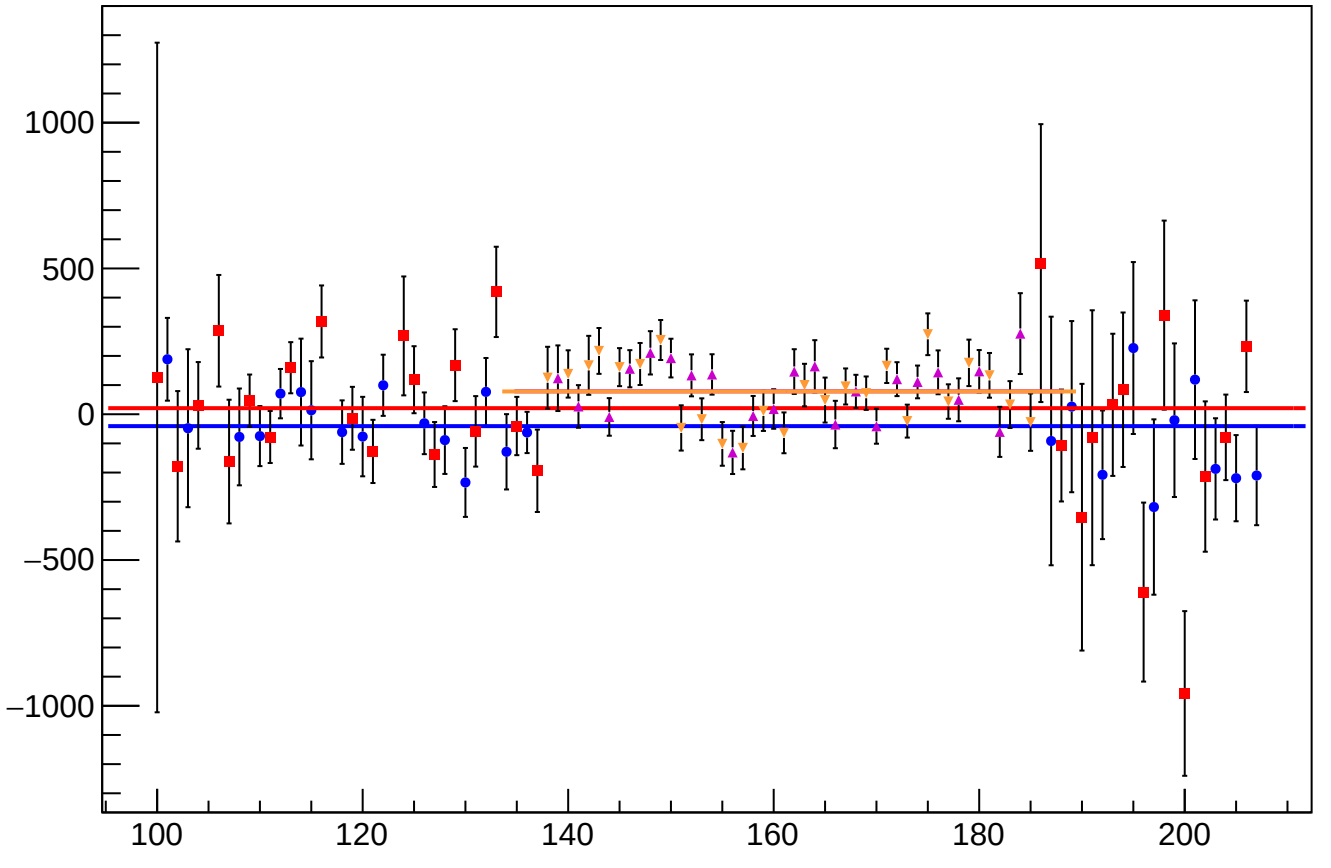
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1198.818+/-0.164 χ^2/NDF: 8998419.8/56

In: 627.768+/-0.086 χ^2/NDF:12316896.6/48

Out: 633.981+/-0.084 χ^2/NDF:14367277.3/55

All: 630.925+/-0.060 χ^2/NDF: 26686845.8/10



Right In: -40.808+/-26.747 χ^2/NDF: 17.2/25

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

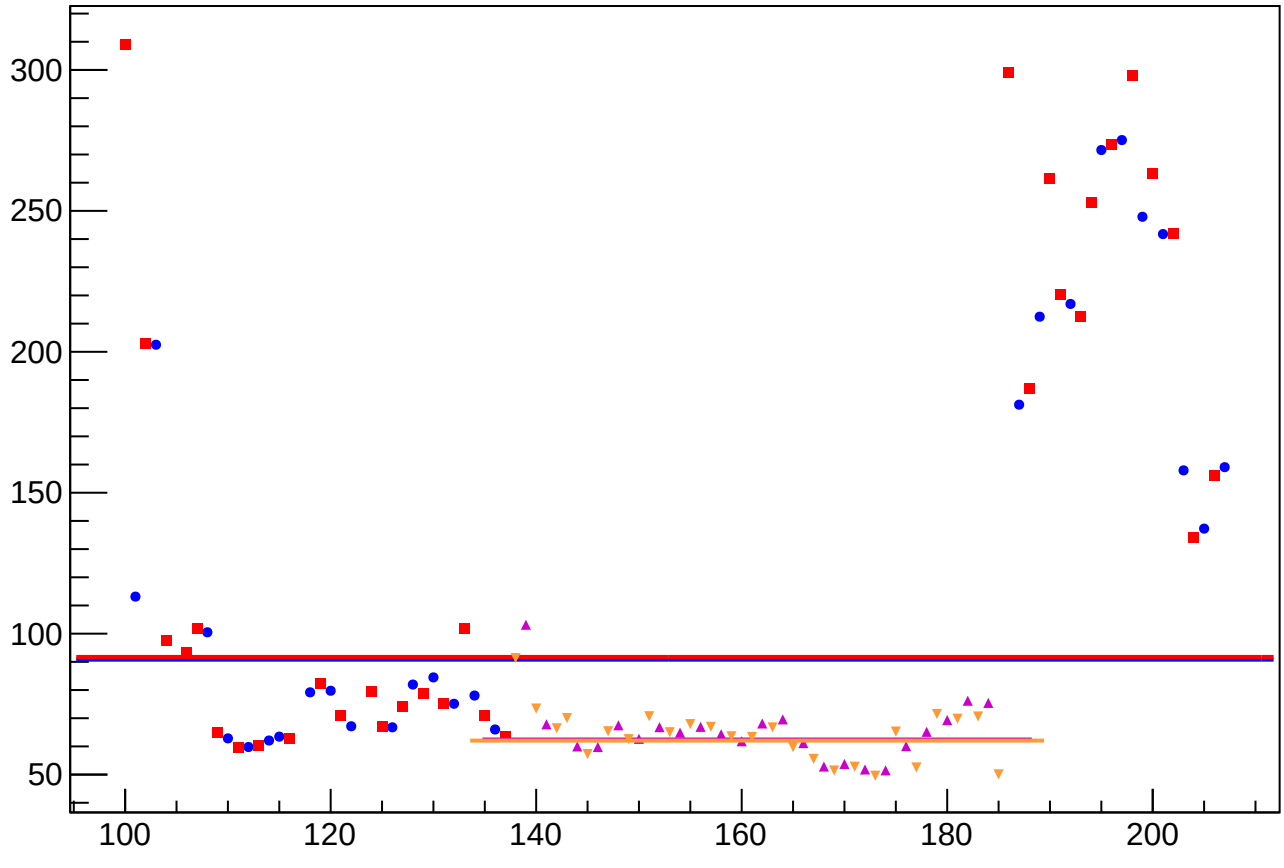
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -9.513+/-18.764 χ^2/NDF: 72.8/56

In: 50.505+/-12.957 χ^2/NDF:69.0/48

Out: 65.064+/-12.584 χ^2/NDF:110.5/55

All: 57.998+/-9.027 χ^2/NDF: 180.2/104



Right In: 90.781+/-0.019 χ^2/NDF: 6209639.5/25

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

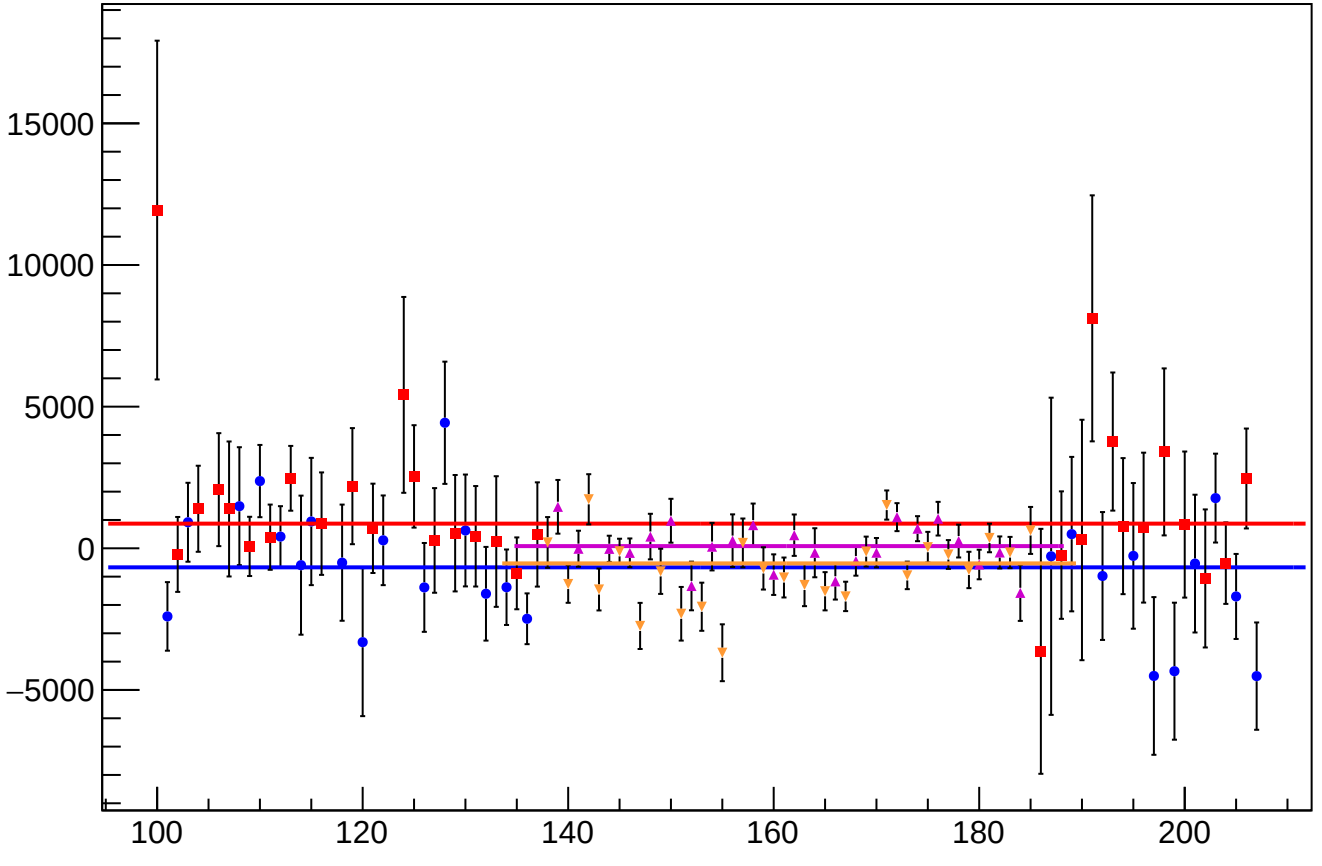
Right: 91.274+/-0.013 χ^2/NDF: 13919960.4/56

In: 69.095+/-0.009 χ^2/NDF:8592177.3/48

Out: 68.844+/-0.009 χ^2/NDF:10357412.9/55

All: 68.966+/-0.006 χ^2/NDF: 18949978.2/104

asym_sam_37_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -672.074+/-329.289 χ^2/NDF: 35.4/25

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

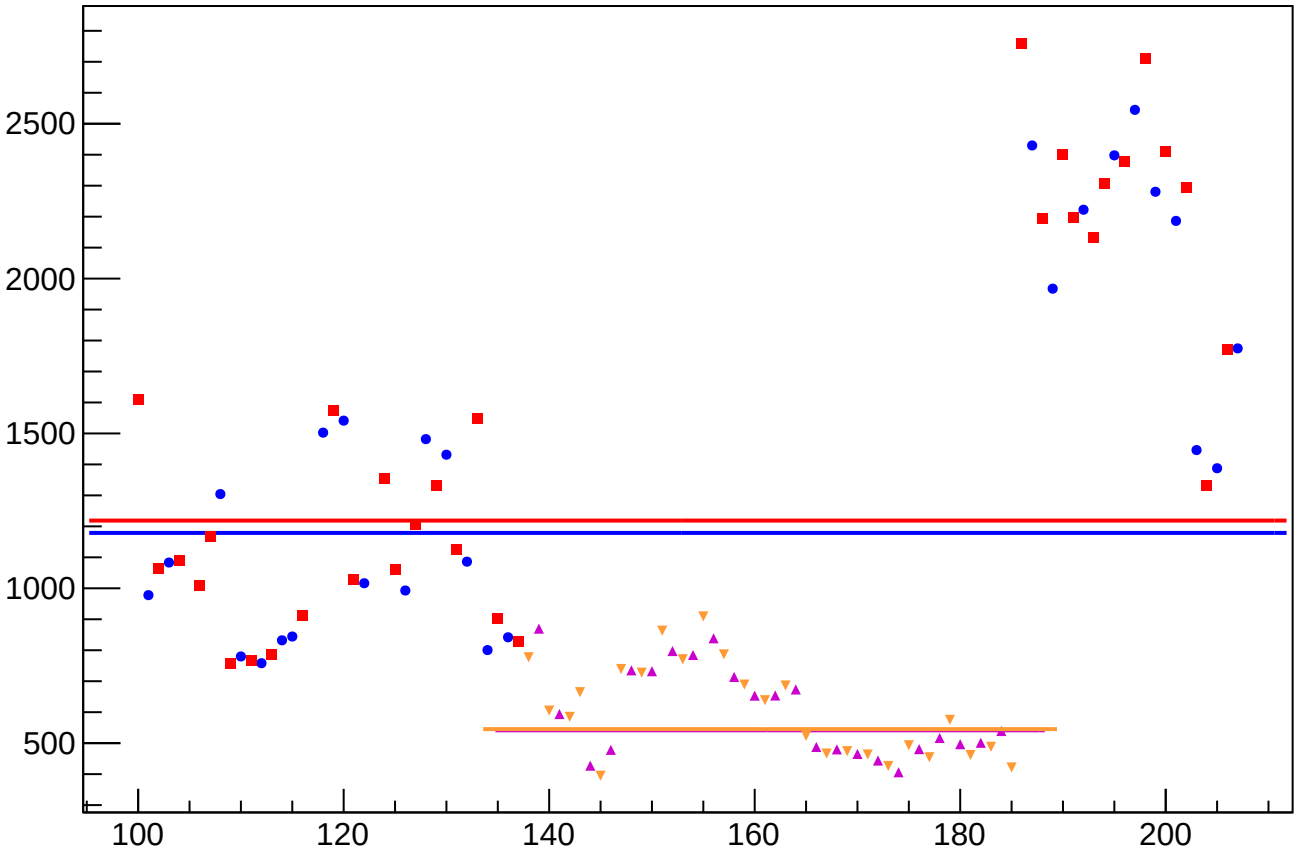
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 101.159+/-232.561 χ^2/NDF: 67.7/56

In: -24.095+/-121.173 χ^2/NDF:68.3/48

Out: -347.962+/-119.206 χ^2/NDF:106.2/55

All: -188.678+/-84.978 χ^2/NDF: 178.1/104



Right In: 1178.845+/-0.233 χ^2/NDF: 3997820.0/25

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

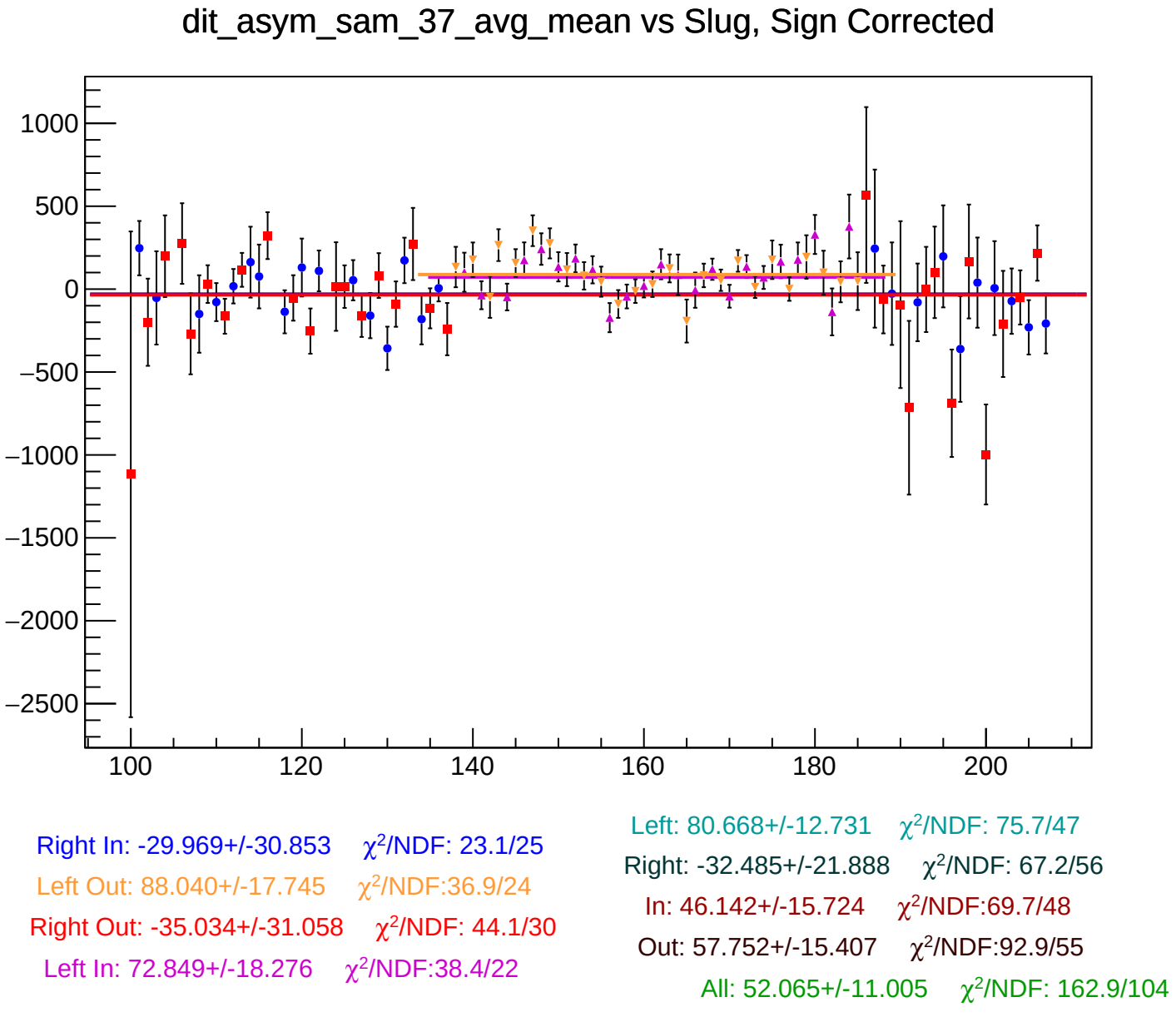
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1198.818+/-0.164 χ^2/NDF: 8998419.8/56

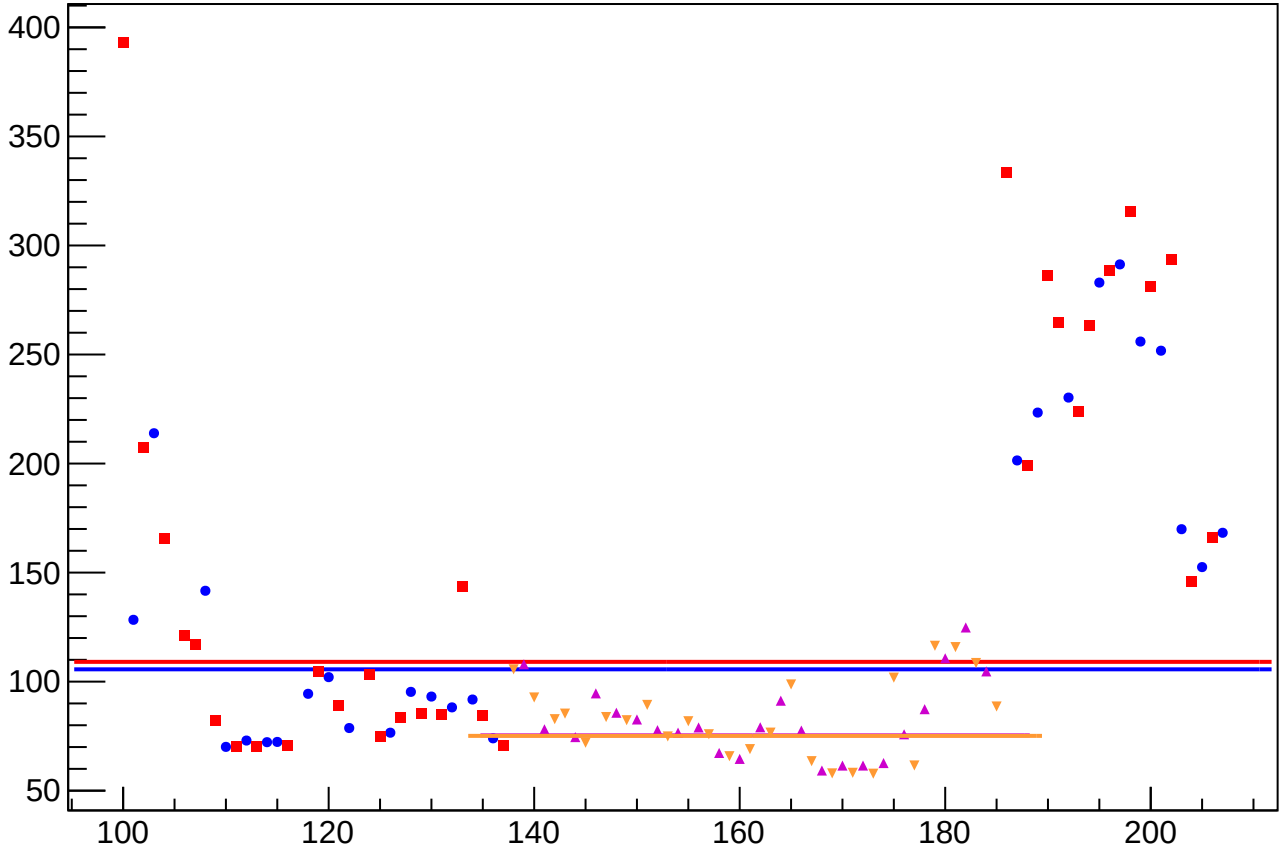
In: 627.768+/-0.086 χ^2/NDF:12316896.6/48

Out: 633.981+/-0.084 χ^2/NDF:14367277.3/55

All: 630.925+/-0.060 χ^2/NDF: 26686845.8/10


dit_asym_sam_37_avg_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
−2000
−2500
100
120
140
160
180
200
Right In: -29.969+/-30.853 χ²/NDF: 23.1/25
Left Out: 88.040+/-17.745 χ²/NDF:36.9/24
Right Out: -35.034+/-31.058 χ²/NDF: 44.1/30
Left In: 72.849+/-18.276 χ²/NDF:38.4/22
Left: 80.668+/-12.731 χ²/NDF: 75.7/47
Right: -32.485+/-21.888 χ²/NDF: 67.2/56
In: 46.142+/-15.724 χ²/NDF:69.7/48
Out: 57.752+/-15.407 χ²/NDF:92.9/55
All: 52.065+/-11.005 χ²/NDF: 162.9/104

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 105.640+/-0.022 χ^2/NDF: 5540072.7/25

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

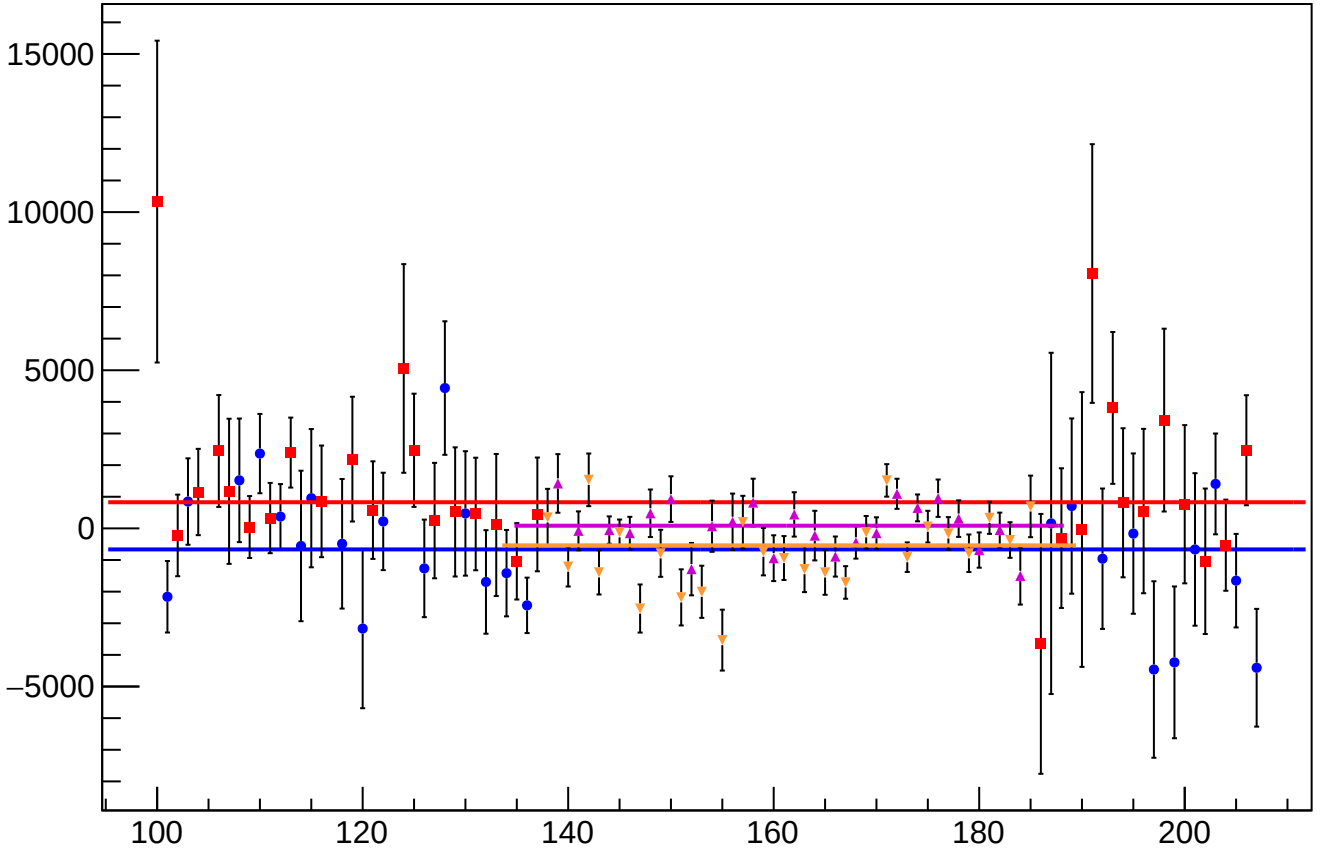
Right: 107.343+/-0.015 χ^2/NDF: 12651335.2/56

In: 83.227+/-0.011 χ^2/NDF:8191202.1/48

Out: 83.481+/-0.011 χ^2/NDF:10501226.4/55

All: 83.357+/-0.008 χ^2/NDF: 18692693.3/104

asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -665.096+/-322.439 χ^2/NDF: 34.6/25

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: 826.615+/-316.734 χ^2/NDF: 23.0/30

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

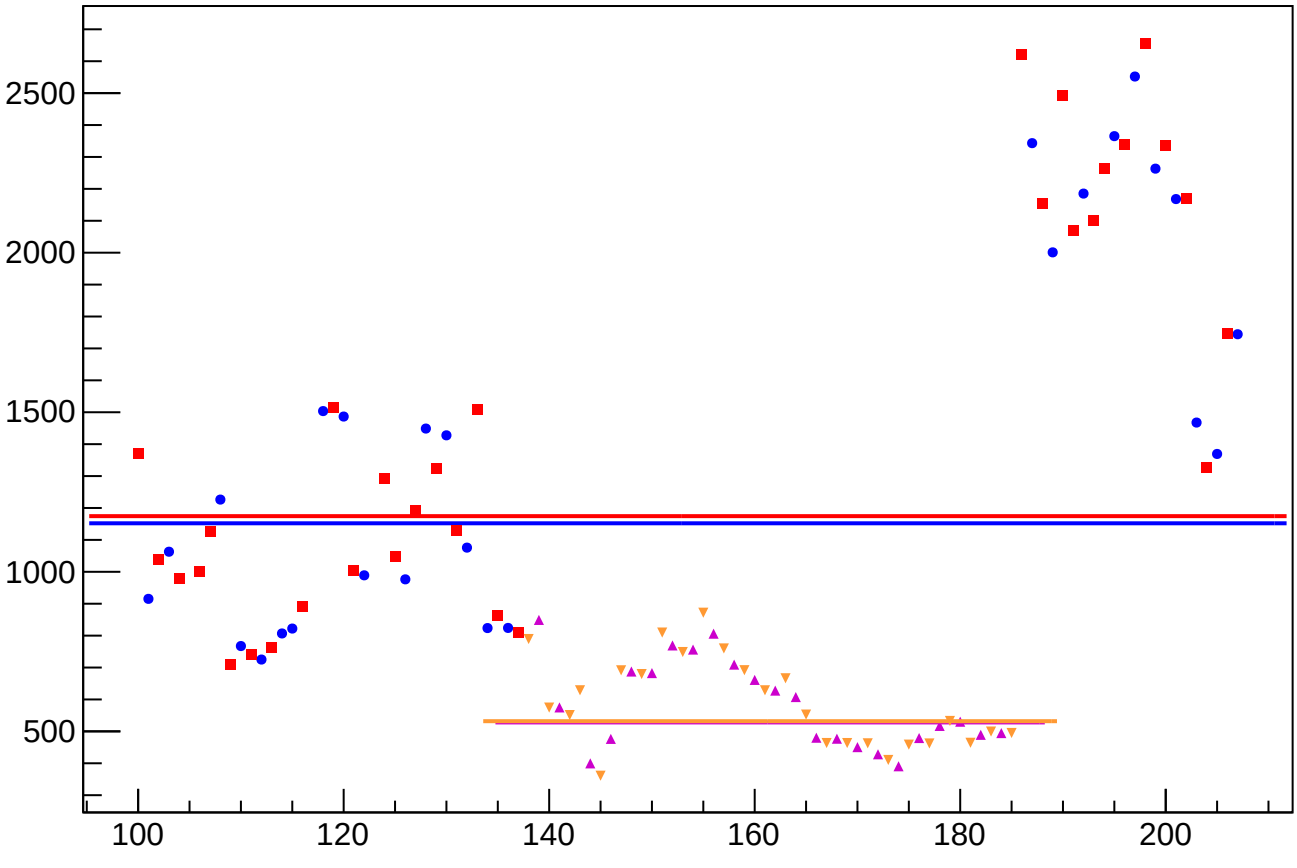
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 94.074+/-225.955 χ^2/NDF: 68.6/56

In: -16.080+/-118.196 χ^2/NDF:66.8/48

Out: -354.397+/-115.847 χ^2/NDF:106.1/55

All: -188.634+/-82.734 χ^2/NDF: 177.1/104



Right In: 1152.029+/-0.228 χ^2/NDF: 4130440.9/25

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

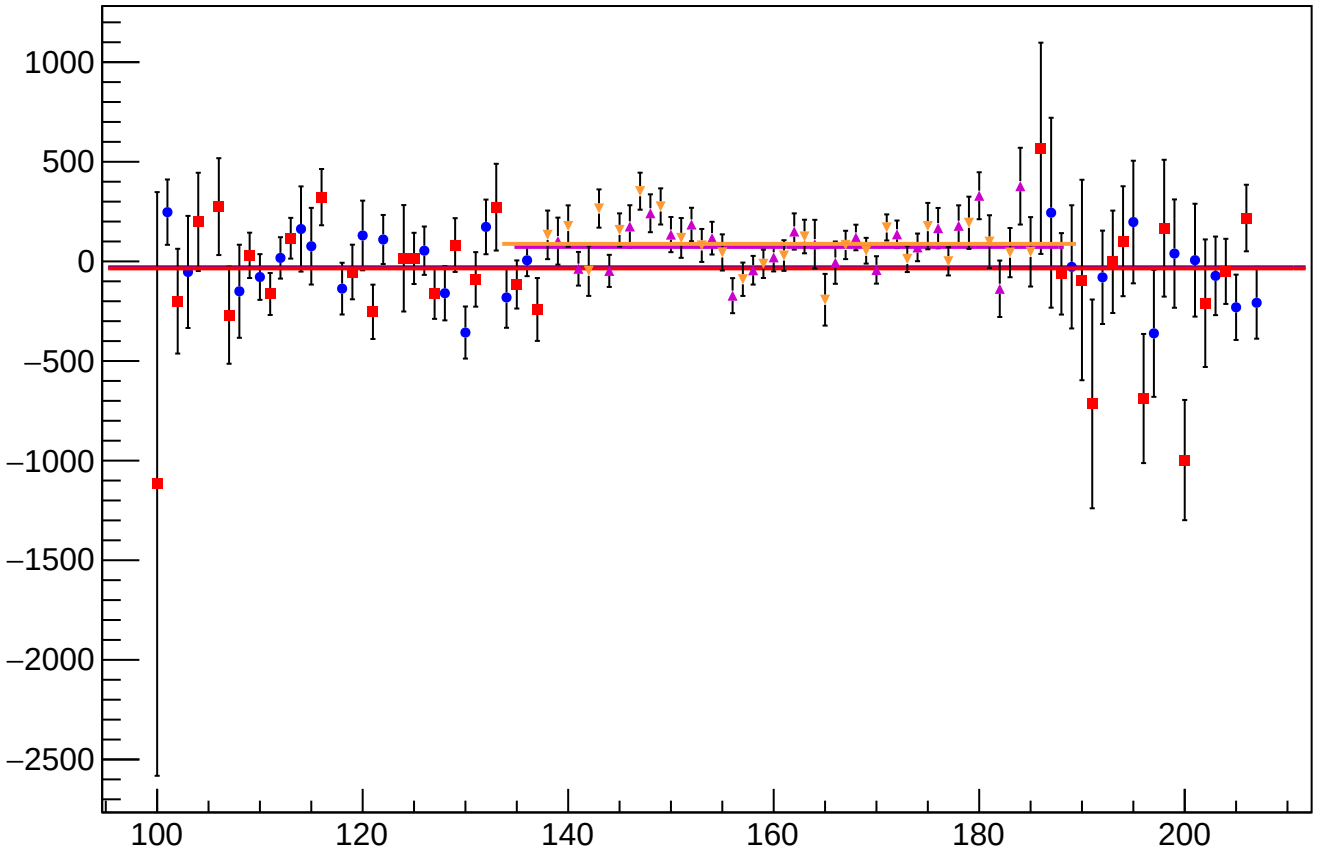
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1163.425+/-0.160 χ^2/NDF: 9295049.1/56

In: 611.840+/-0.084 χ^2/NDF:12415666.1/48

Out: 617.830+/-0.082 χ^2/NDF:14327381.0/55

All: 614.895+/-0.059 χ^2/NDF: 26745667.2/10



Right In: -29.969+/-30.853 χ^2/NDF: 23.1/25

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

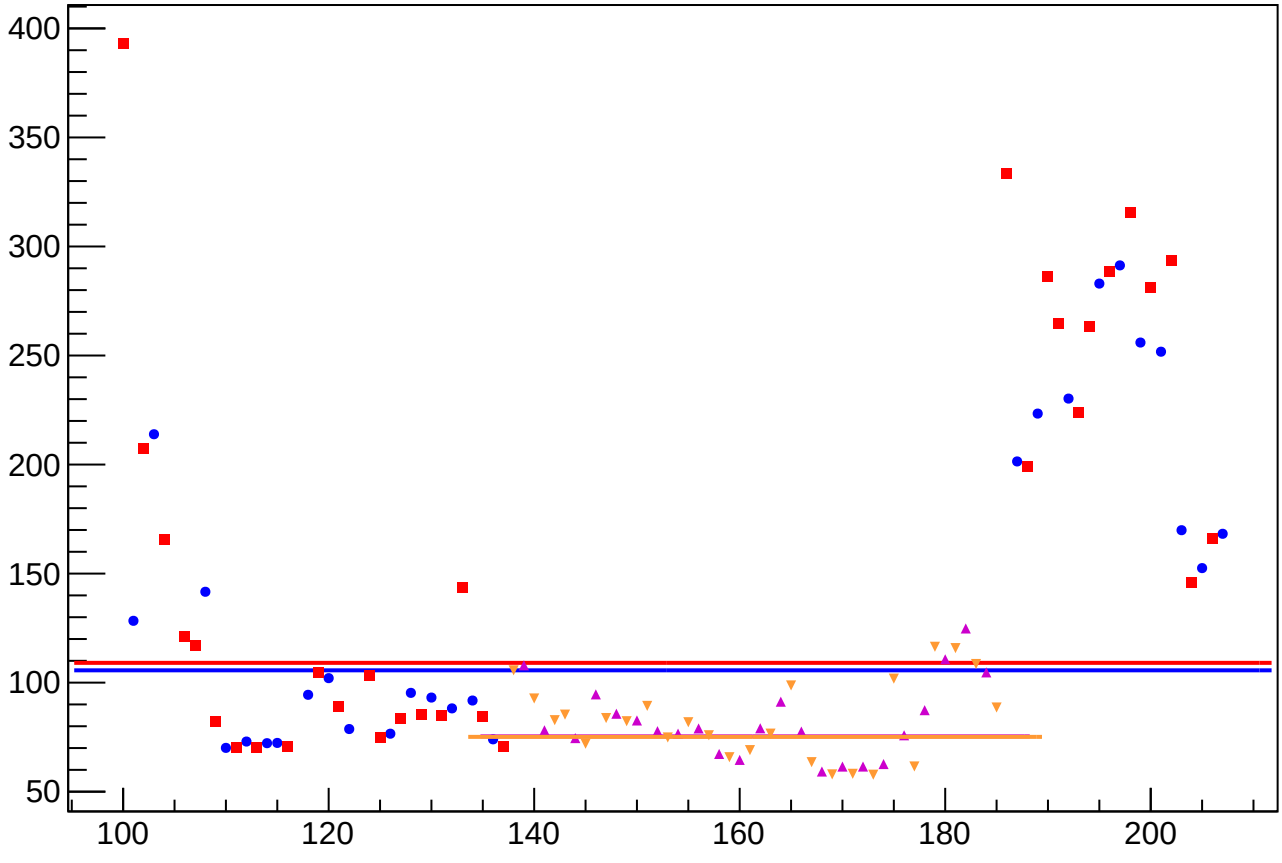
Right: -32.486+/-21.888 χ^2/NDF: 67.2/56

In: 46.142+/-15.724 χ^2/NDF:69.7/48

Out: 57.752+/-15.407 χ^2/NDF:92.9/55

All: 52.065+/-11.005 χ^2/NDF: 162.9/104

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 105.641+/-0.022 χ^2/NDF: 5540039.0/25

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

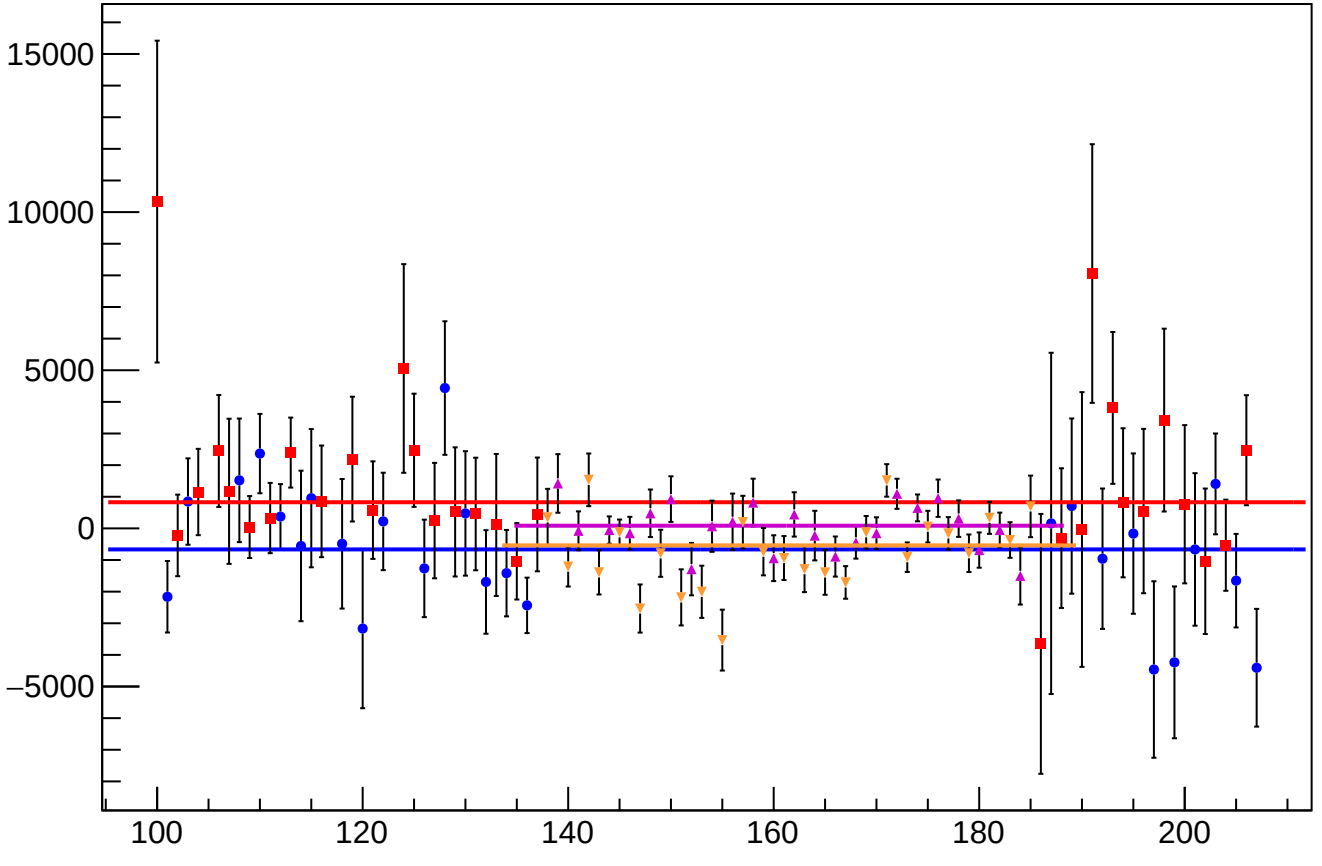
Right: 107.344+/-0.015 χ^2/NDF: 12651269.7/56

In: 83.228+/-0.011 χ^2/NDF:8191180.6/48

Out: 83.481+/-0.011 χ^2/NDF:10501212.6/55

All: 83.357+/-0.008 χ^2/NDF: 18692658.1/104

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -665.094+/-322.439 χ^2/NDF: 34.6/25

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

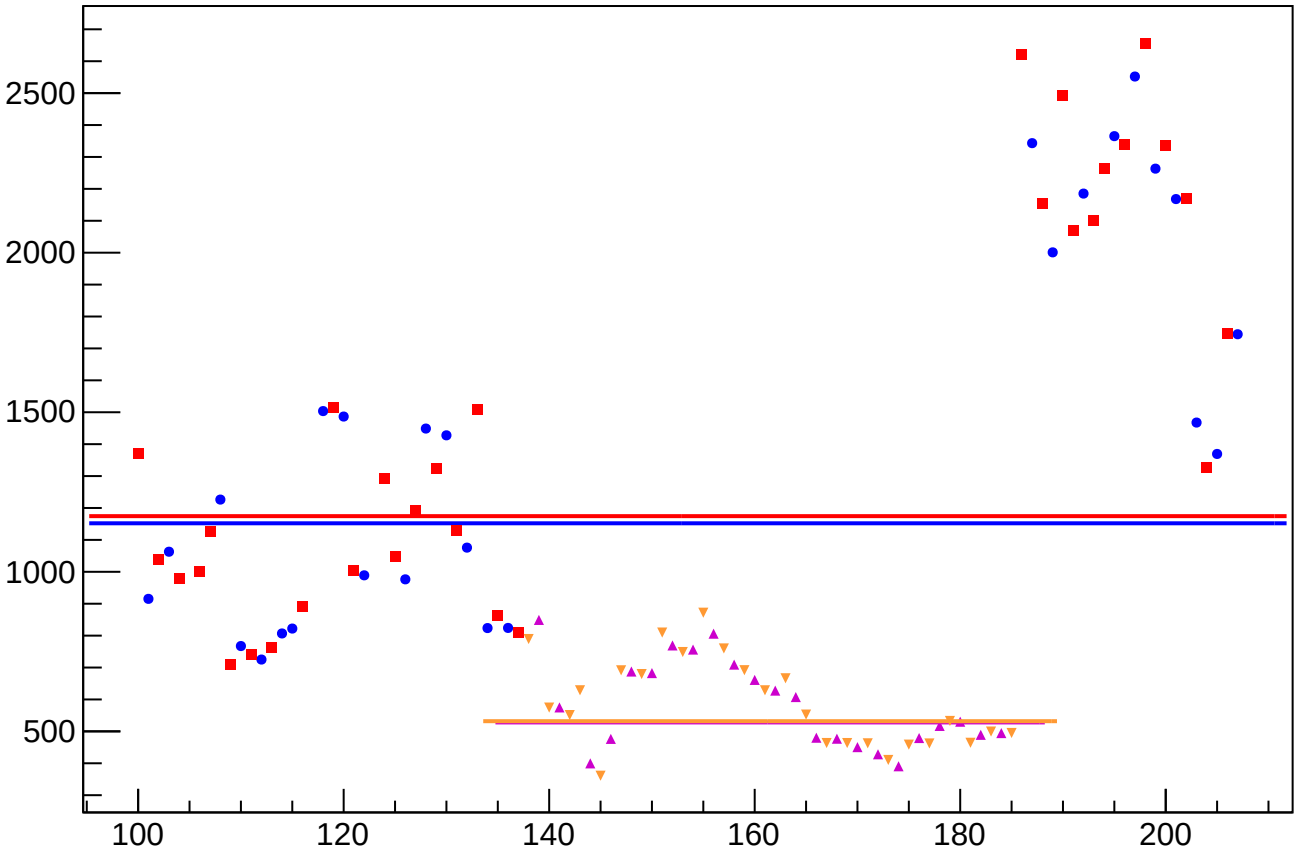
Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

Right: 94.075+/-225.954 χ^2/NDF: 68.6/56

In: -16.080+/-118.196 χ^2/NDF:66.8/48

Out: -354.398+/-115.847 χ^2/NDF:106.1/55

All: -188.634+/-82.734 χ^2/NDF: 177.1/104



Right In: 1152.027+/-0.228 χ^2/NDF: 4130450.6/25

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

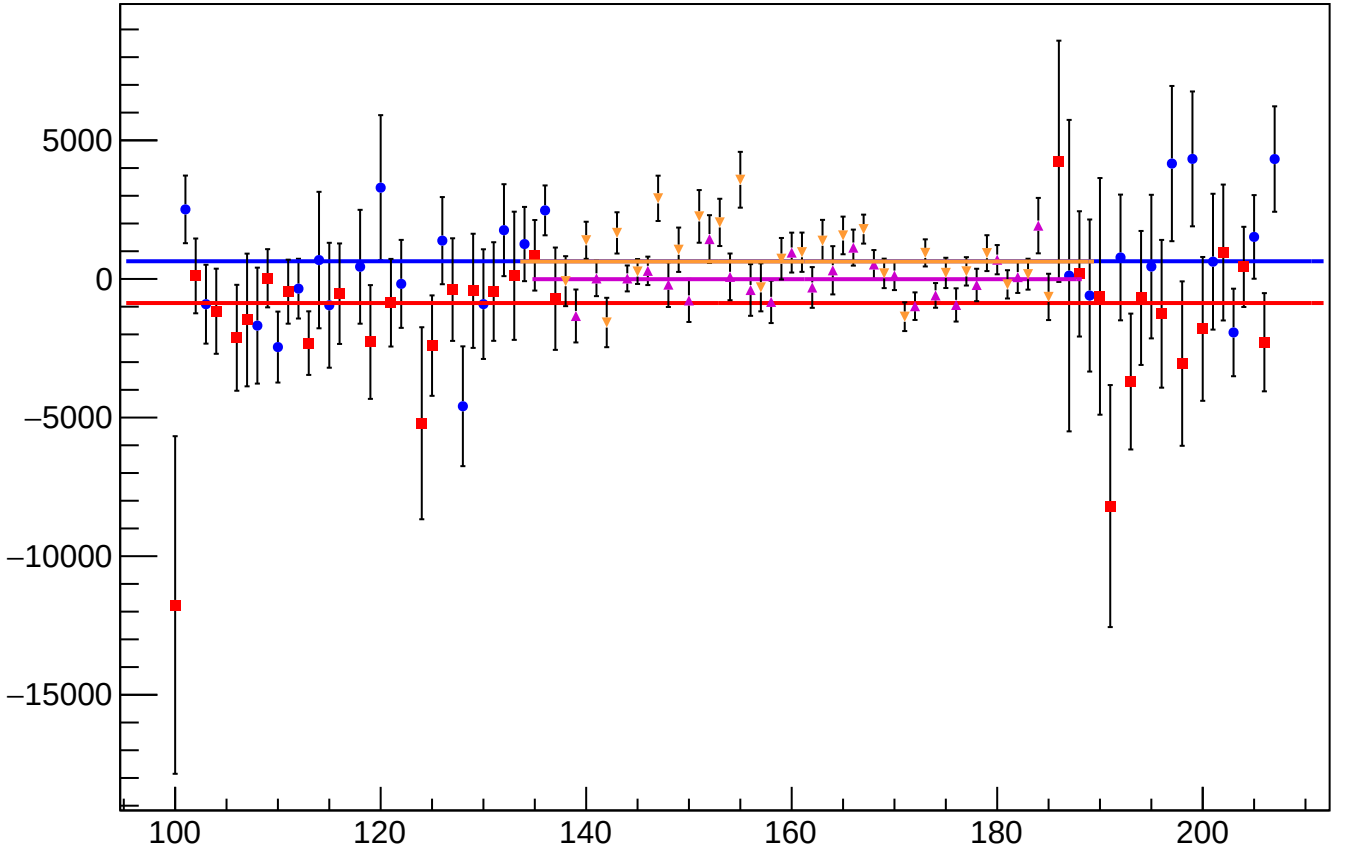
Right: 1163.423+/-0.160 χ^2/NDF: 9295066.2/56

In: 611.840+/-0.084 χ^2/NDF:12415651.5/48

Out: 617.830+/-0.082 χ^2/NDF:14327364.7/55

All: 614.895+/-0.059 χ^2/NDF: 26745636.3/10

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 638.458+/-330.968 χ^2/NDF: 35.6/25

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

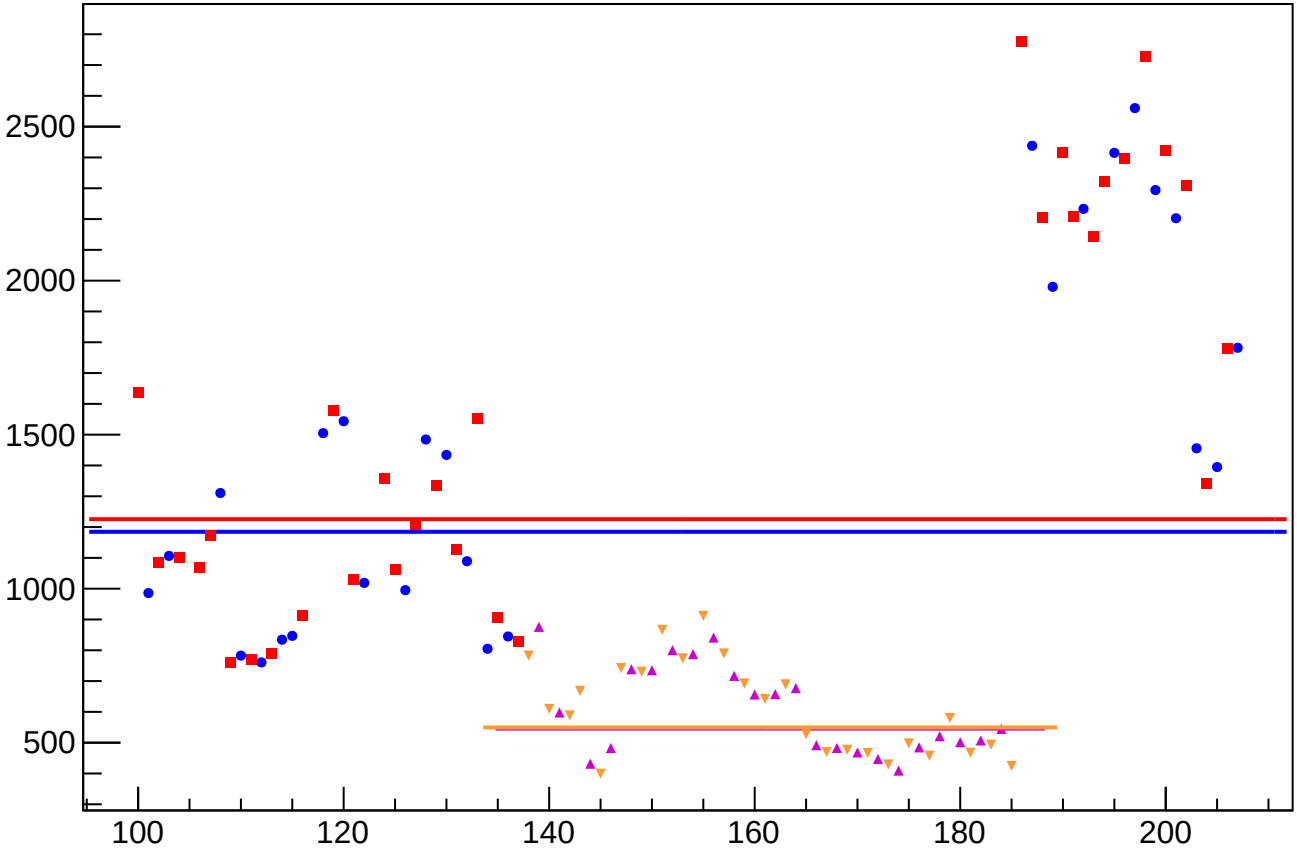
Right: -118.061+/-233.575 χ^2/NDF: 66.2/56

In: 79.496+/-122.038 χ^2/NDF:66.3/48

Out: 430.862+/-120.013 χ^2/NDF:102.9/55

All: 258.119+/-85.569 χ^2/NDF: 173.4/104

asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 1184.685+/-0.234 χ^2/NDF: 4005570.8/25

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

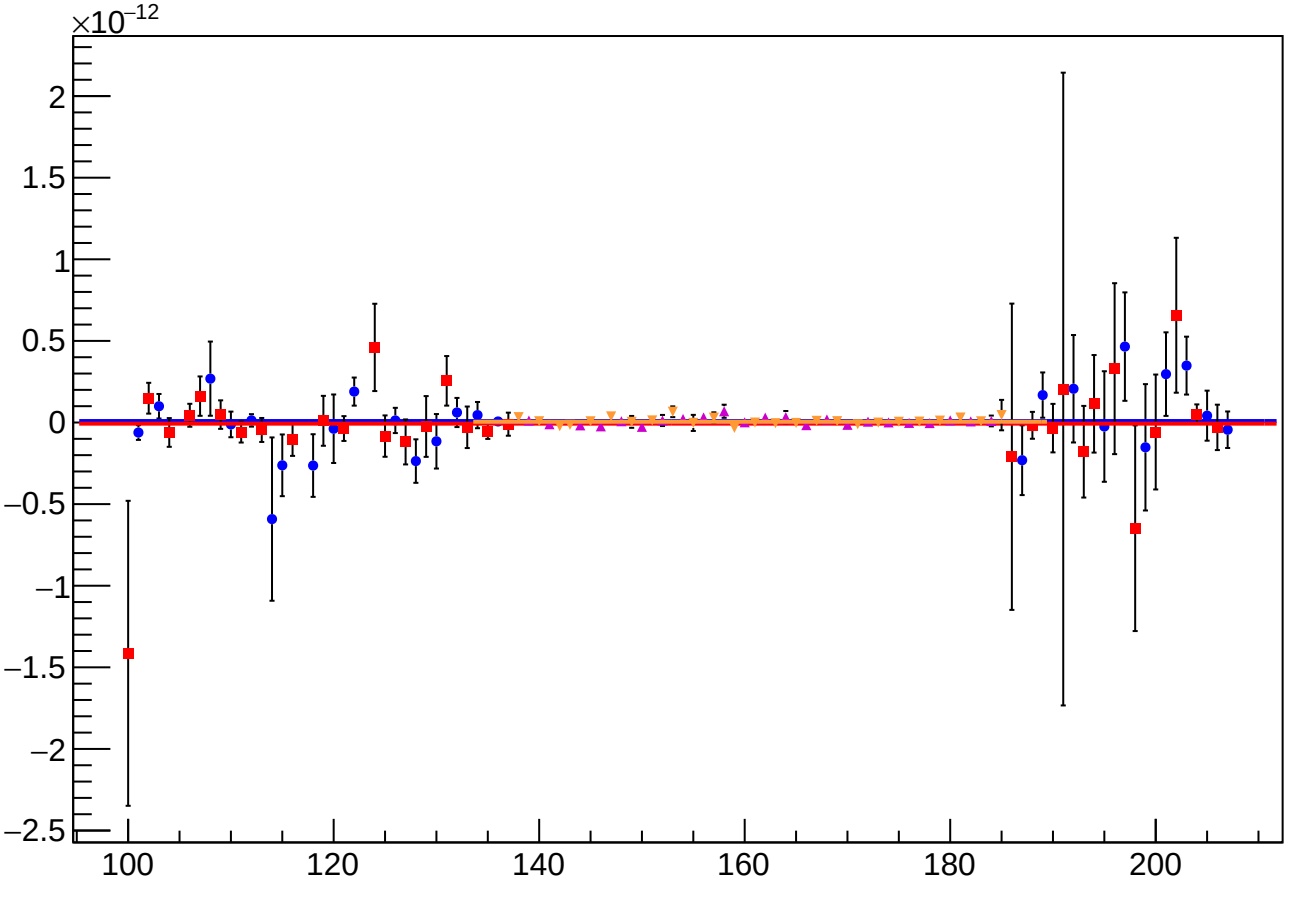
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1205.225+/-0.165 χ^2/NDF: 9009235.0/56

In: 632.585+/-0.086 χ^2/NDF:12261196.8/48

Out: 639.070+/-0.085 χ^2/NDF:14339417.9/55

All: 635.882+/-0.061 χ^2/NDF: 26603485.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.9/25

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

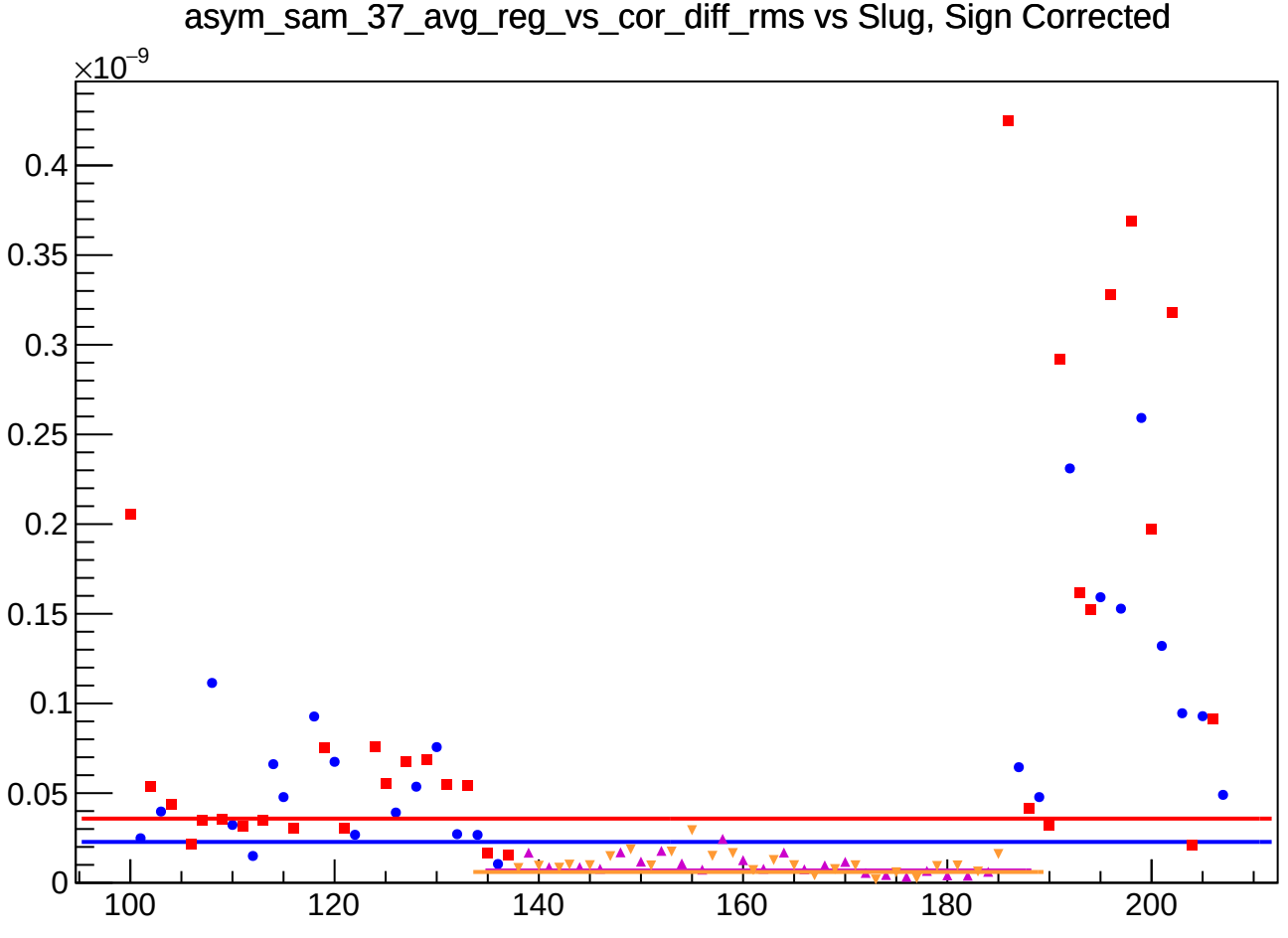
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 54.0/56

In: 0.000+/-0.000 χ^2/NDF:50.1/48

Out: 0.000+/-0.000 χ^2/NDF:39.6/55

All: 0.000+/-0.000 χ^2/NDF: 89.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 5639312.0/25

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

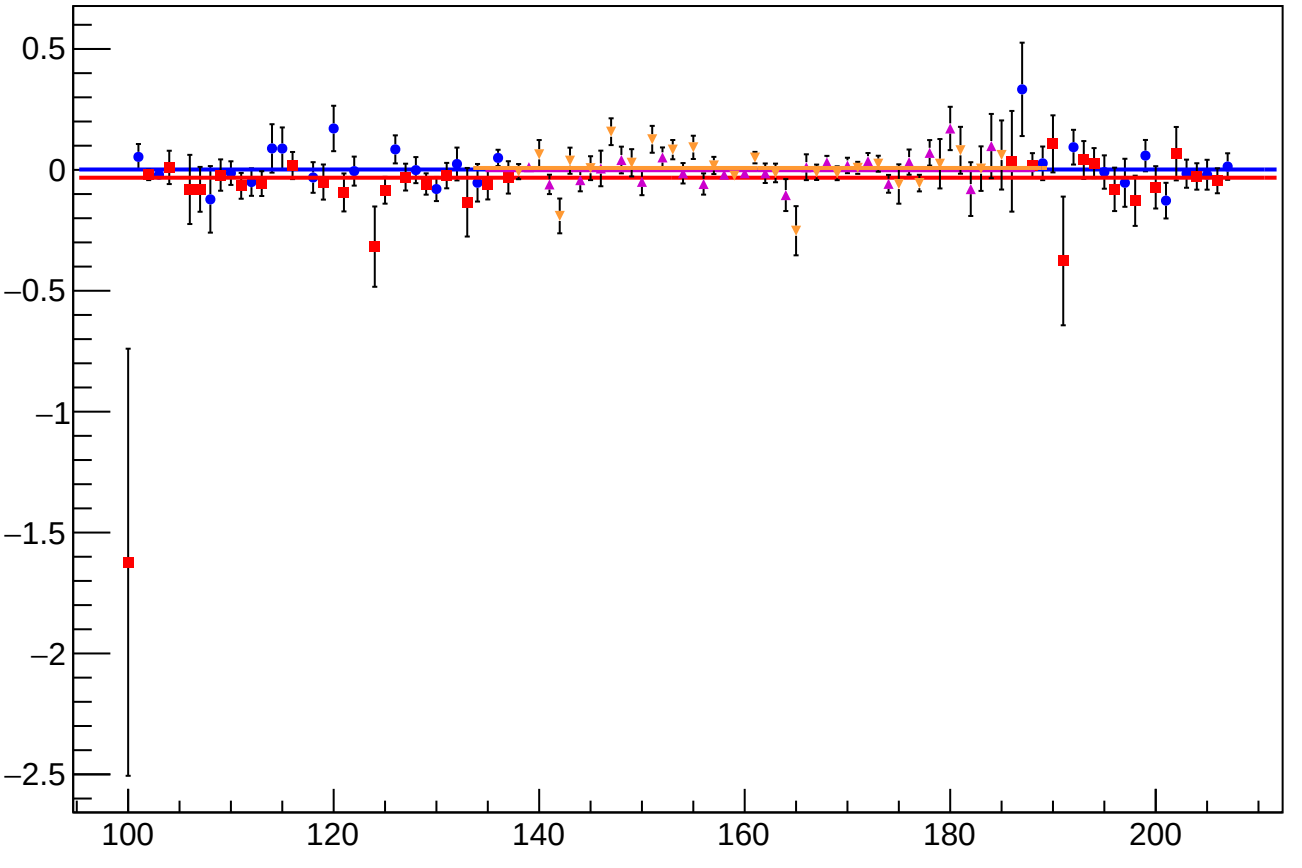
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11337804.6/56

In: 0.000+/-0.000 χ^2/NDF:10491106.1/48

Out: 0.000+/-0.000 χ^2/NDF:13691541.4/55

All: 0.000+/-0.000 χ^2/NDF: 24264244.7/104



Right In: 0.002+/-0.011 χ^2/NDF: 25.7/25

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

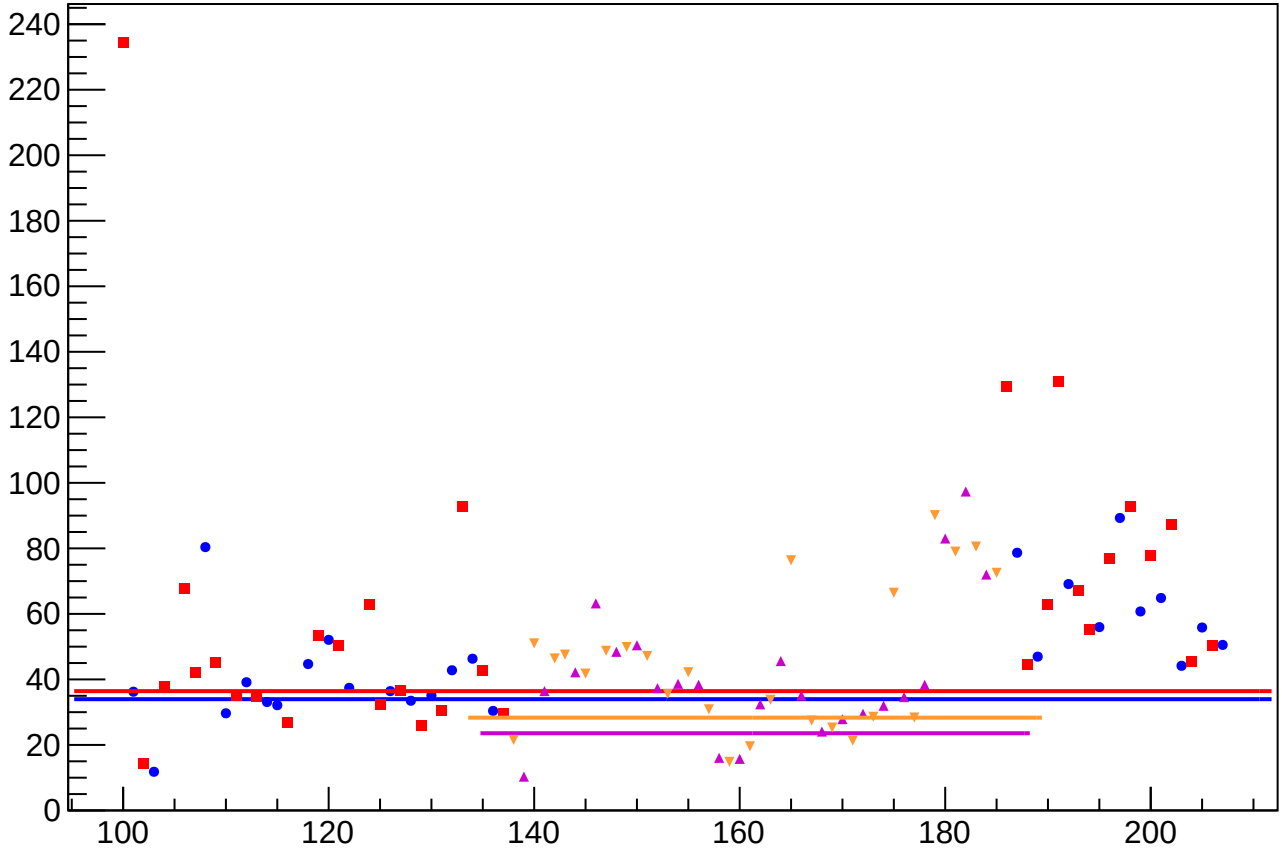
Right: -0.015+/-0.008 χ^2/NDF: 50.3/56

In: -0.001+/-0.006 χ^2/NDF:50.9/48

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.5/104

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.967+/-0.007 χ^2/NDF: 5727796.9/25

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

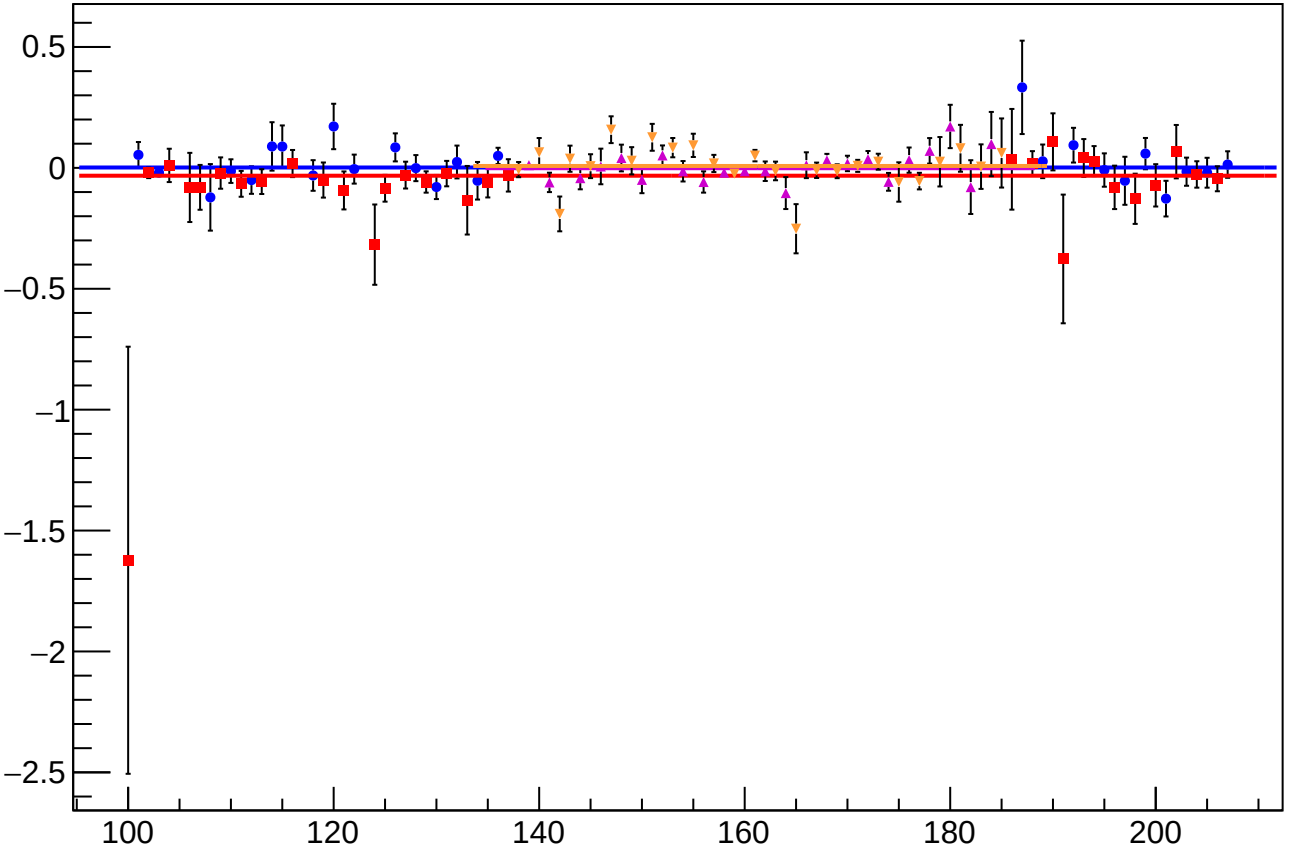
Right: 35.151+/-0.005 χ^2/NDF: 12291846.7/56

In: 26.621+/-0.004 χ^2/NDF:15359632.3/48

Out: 30.945+/-0.004 χ^2/NDF:14039601.1/55

All: 28.599+/-0.003 χ^2/NDF: 29921835.8/104

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.011 χ^2/NDF: 25.7/25

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

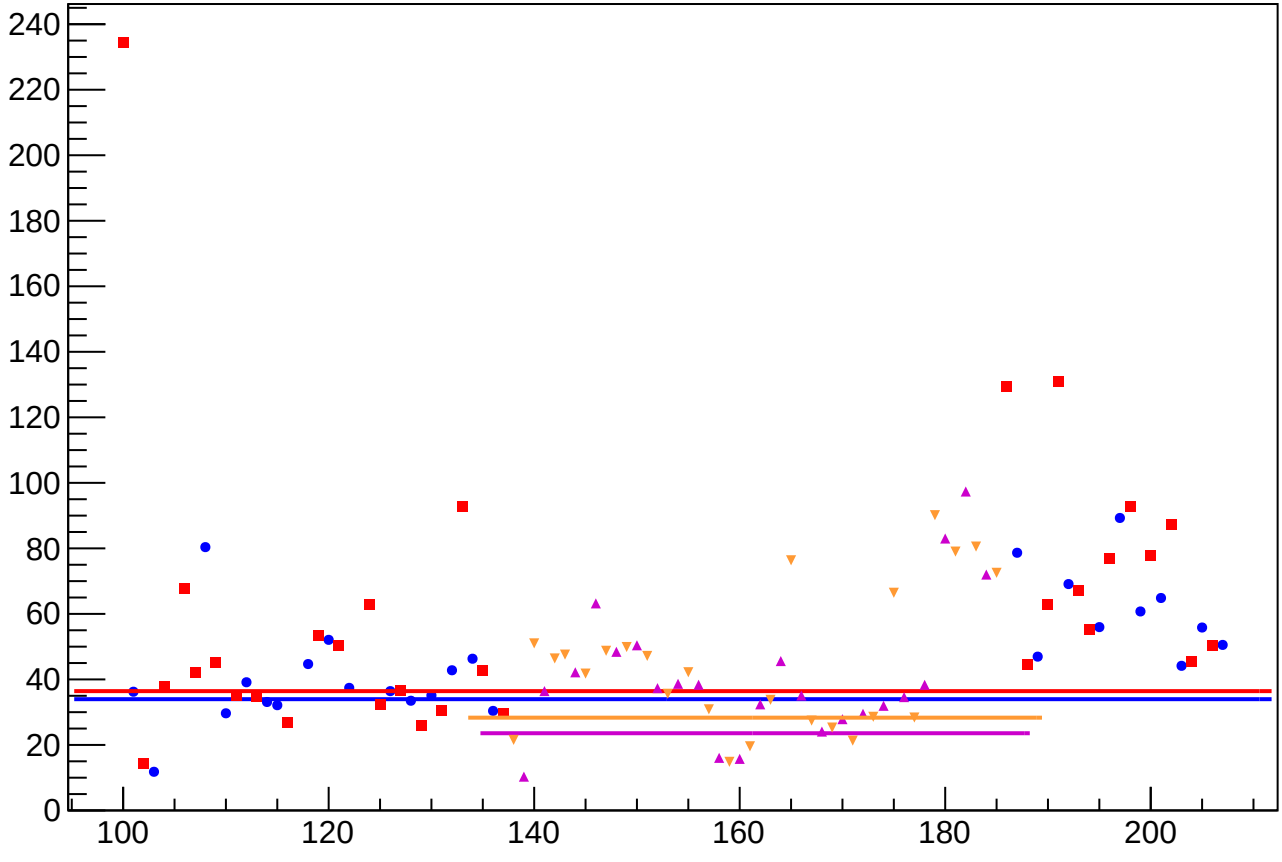
Right: -0.015+/-0.008 χ^2/NDF: 50.3/56

In: -0.001+/-0.006 χ^2/NDF:50.9/48

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.5/104

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.967+/-0.007 χ^2/NDF: 5727796.9/25

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

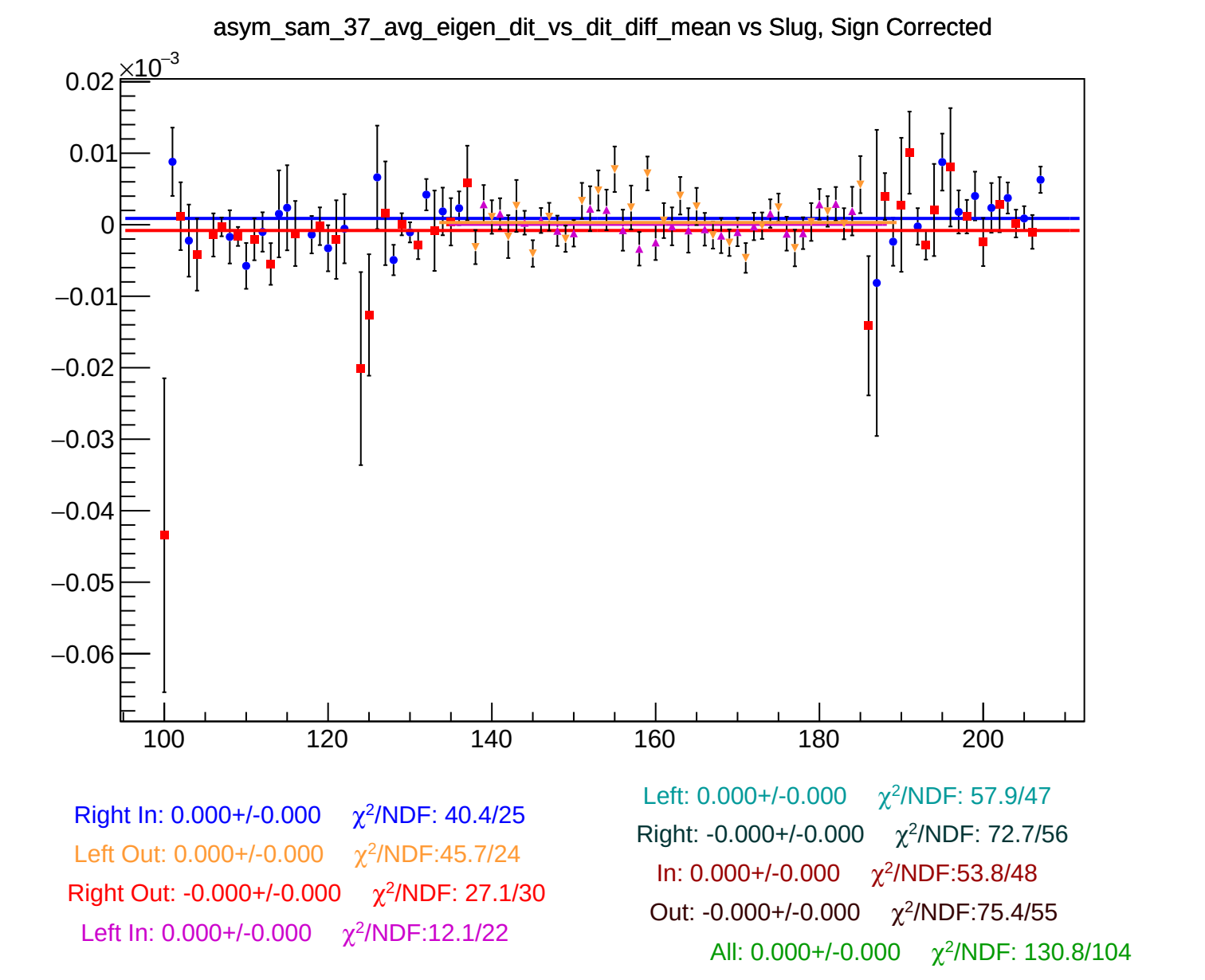
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

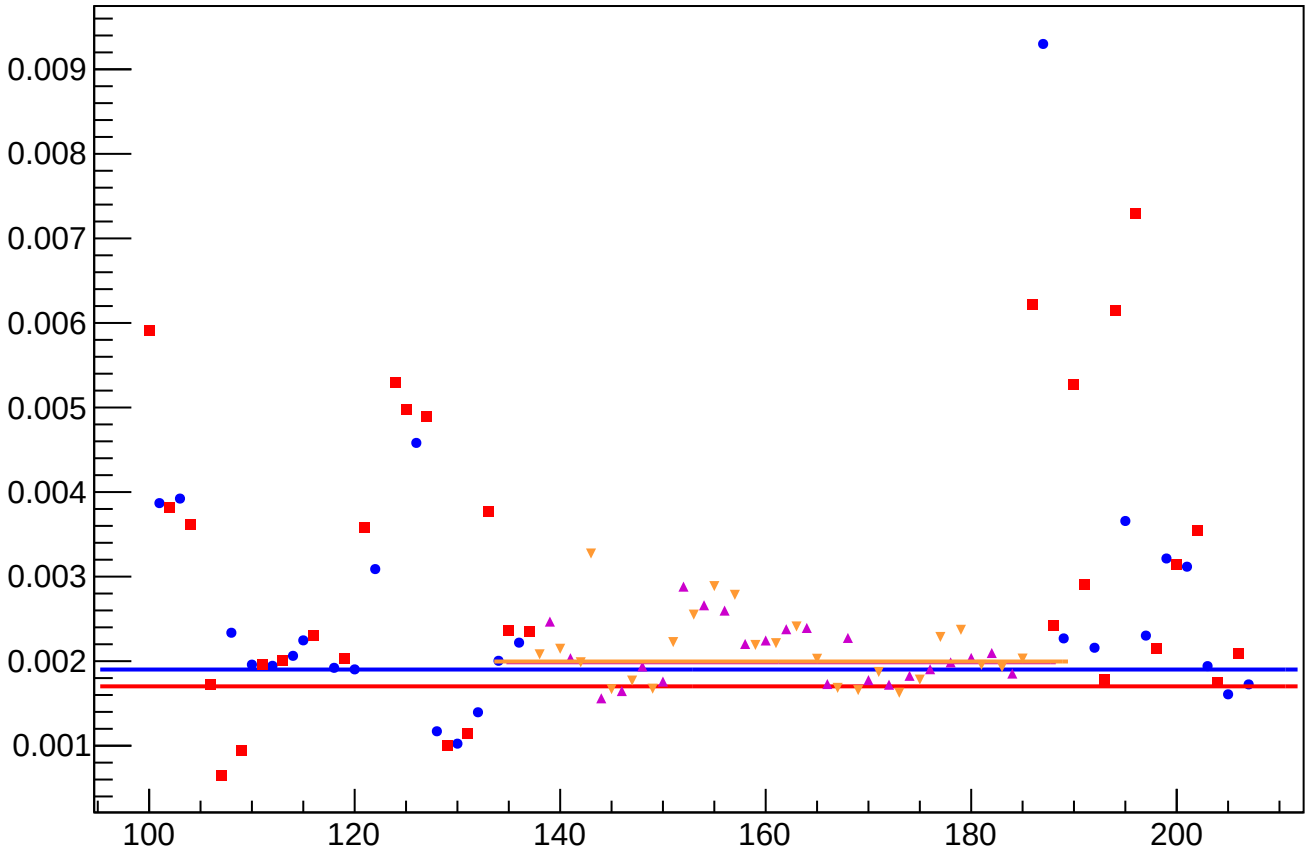
Right: 35.151+/-0.005 χ^2/NDF: 12291846.7/56

In: 26.621+/-0.004 χ^2/NDF:15359632.3/48

Out: 30.945+/-0.004 χ^2/NDF:14039601.1/55

All: 28.599+/-0.003 χ^2/NDF: 29921835.8/104


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: 40.4/25
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: 72.7/56
In: 0.000+/-0.000 χ²/NDF:53.8/48
Out: -0.000+/-0.000 χ²/NDF:75.4/55
All: 0.000+/-0.000 χ²/NDF: 130.8/104



Right In: 0.002+/-0.000 χ^2/NDF: 3574325.5/25

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

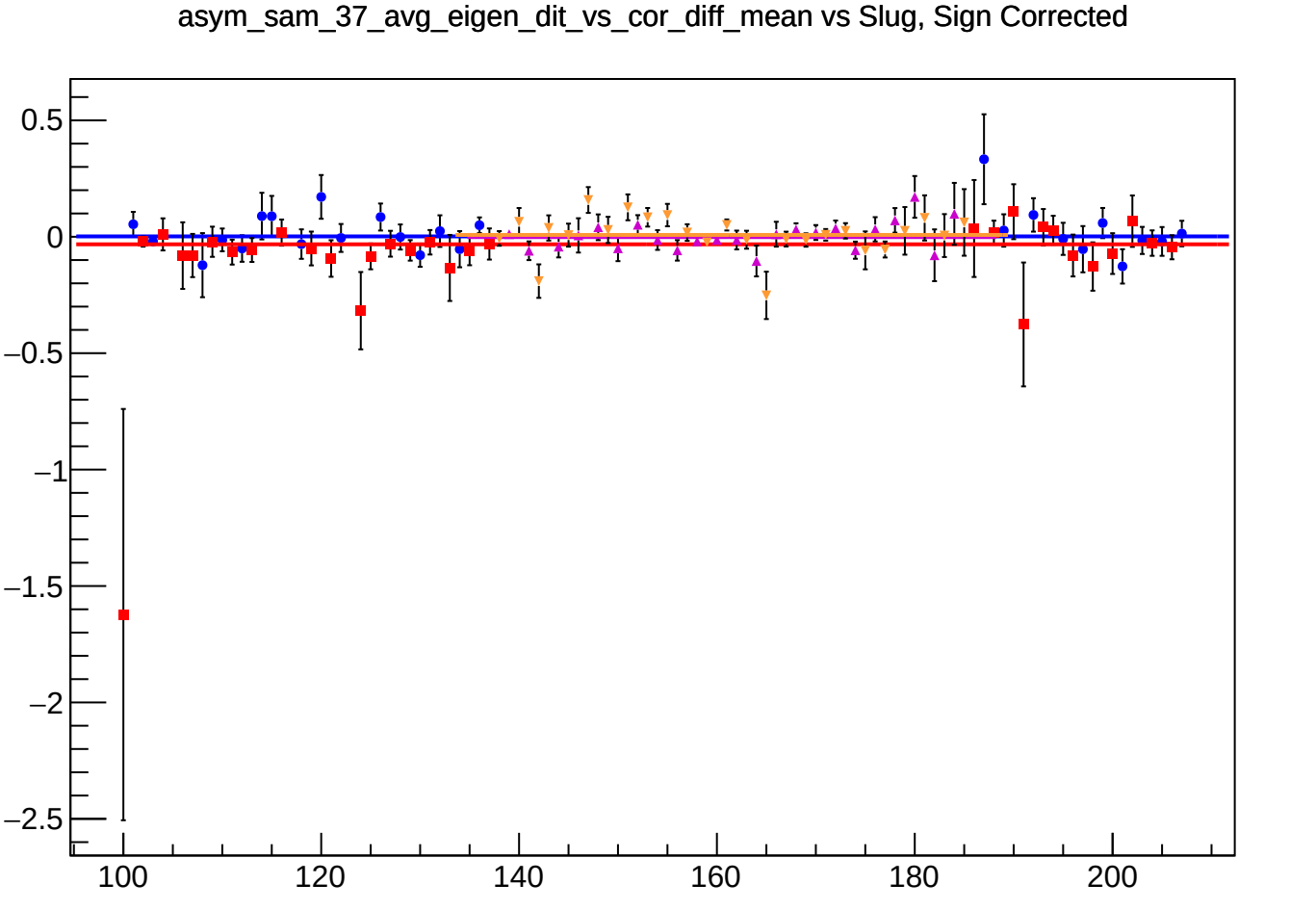
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 12265695.4/56

In: 0.002+/-0.000 χ^2/NDF:4526773.2/48

Out: 0.002+/-0.000 χ^2/NDF:10087778.9/55

All: 0.002+/-0.000 χ^2/NDF: 14677112.7/104



Right In: 0.002+/-0.011 χ^2/NDF: 25.7/25

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

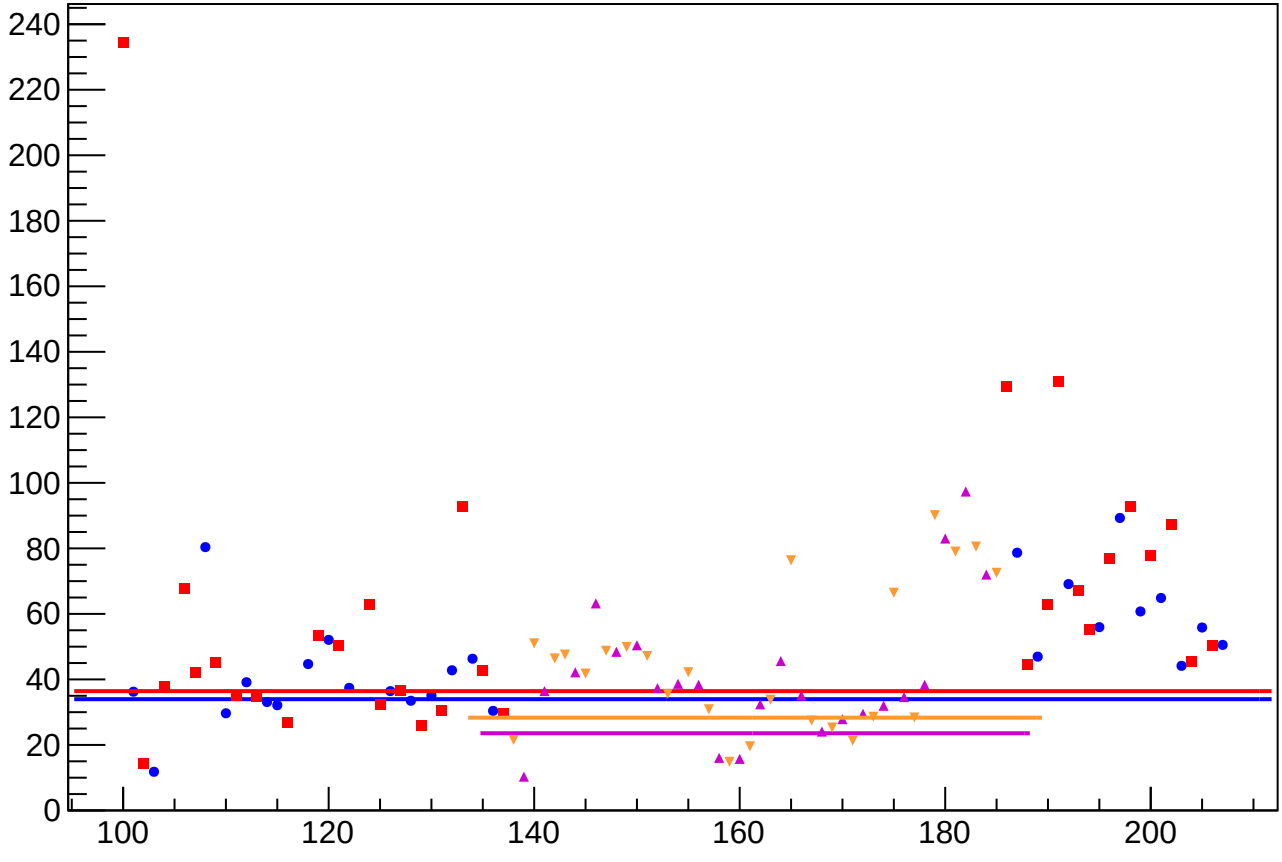
Right: -0.015+/-0.008 χ^2/NDF: 50.3/56

In: -0.001+/-0.006 χ^2/NDF:50.9/48

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.5/104

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.966+/-0.007 χ^2/NDF: 5728198.2/25

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

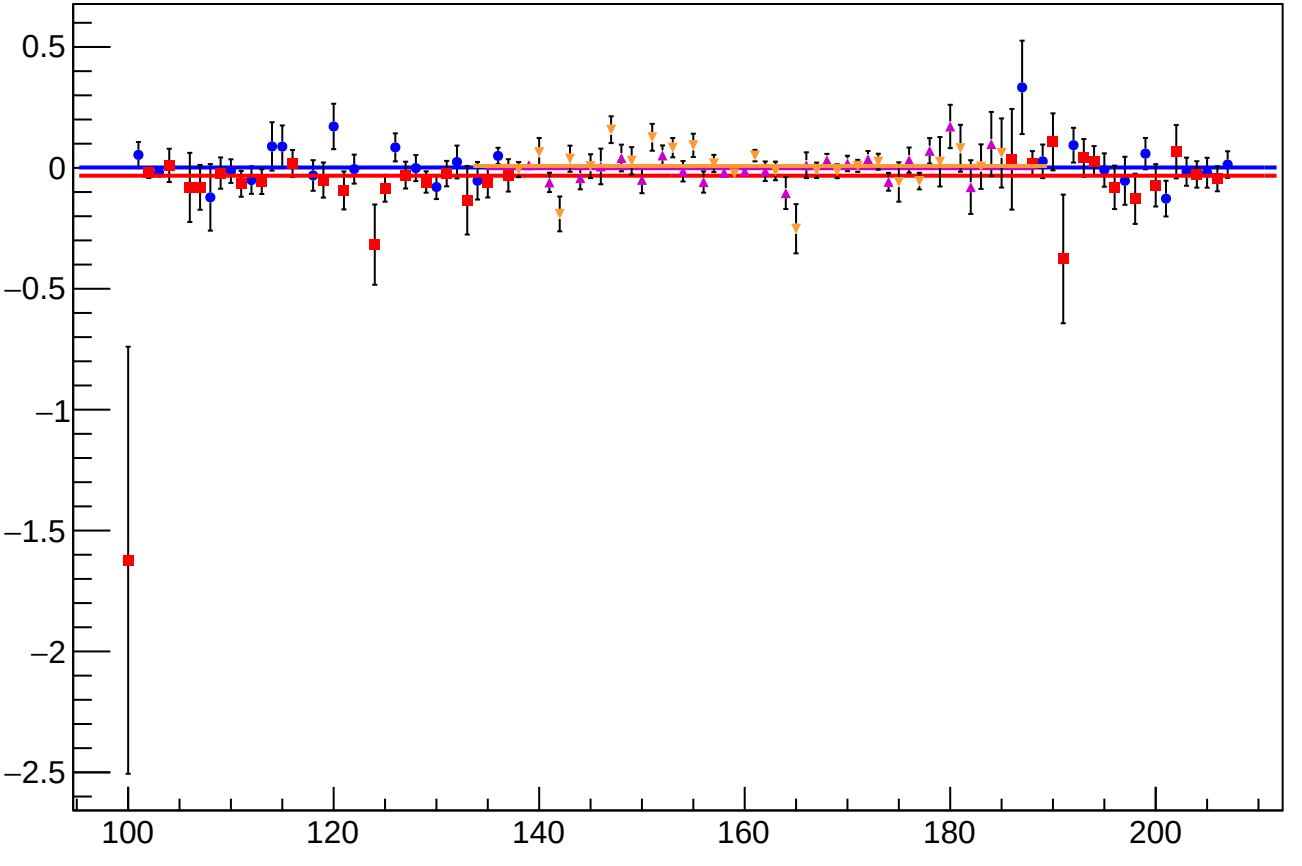
Right: 35.152+/-0.005 χ^2/NDF: 12291229.9/56

In: 26.620+/-0.004 χ^2/NDF:15361235.3/48

Out: 30.946+/-0.004 χ^2/NDF:14039421.7/55

All: 28.599+/-0.003 χ^2/NDF: 29923641.5/104

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.002+/-0.011 χ^2/NDF: 25.7/25

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

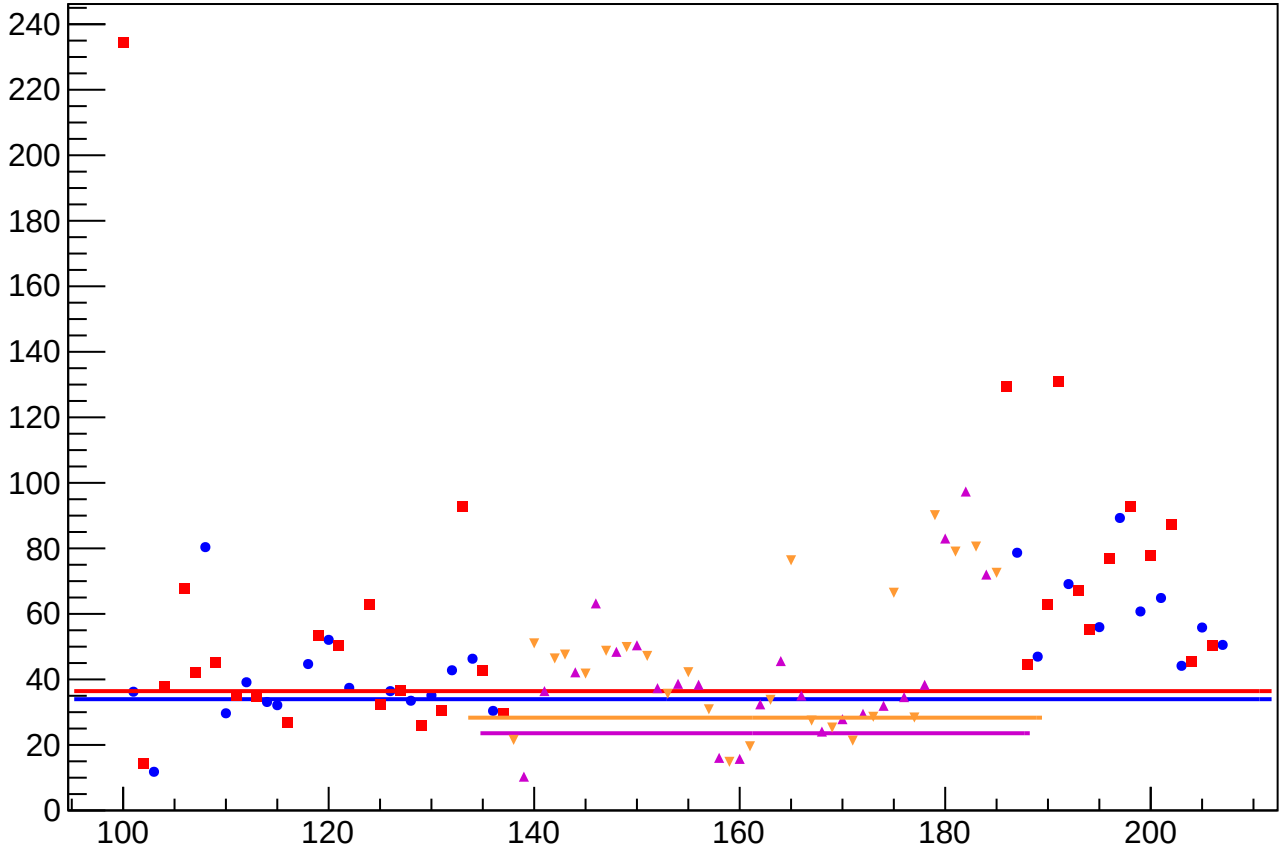
Right: -0.015+/-0.008 χ^2/NDF: 50.3/56

In: -0.001+/-0.006 χ^2/NDF:50.9/48

Out: -0.005+/-0.006 χ^2/NDF:76.3/55

All: -0.003+/-0.004 χ^2/NDF: 127.5/104

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.966+/-0.007 χ^2/NDF: 5728198.2/25

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

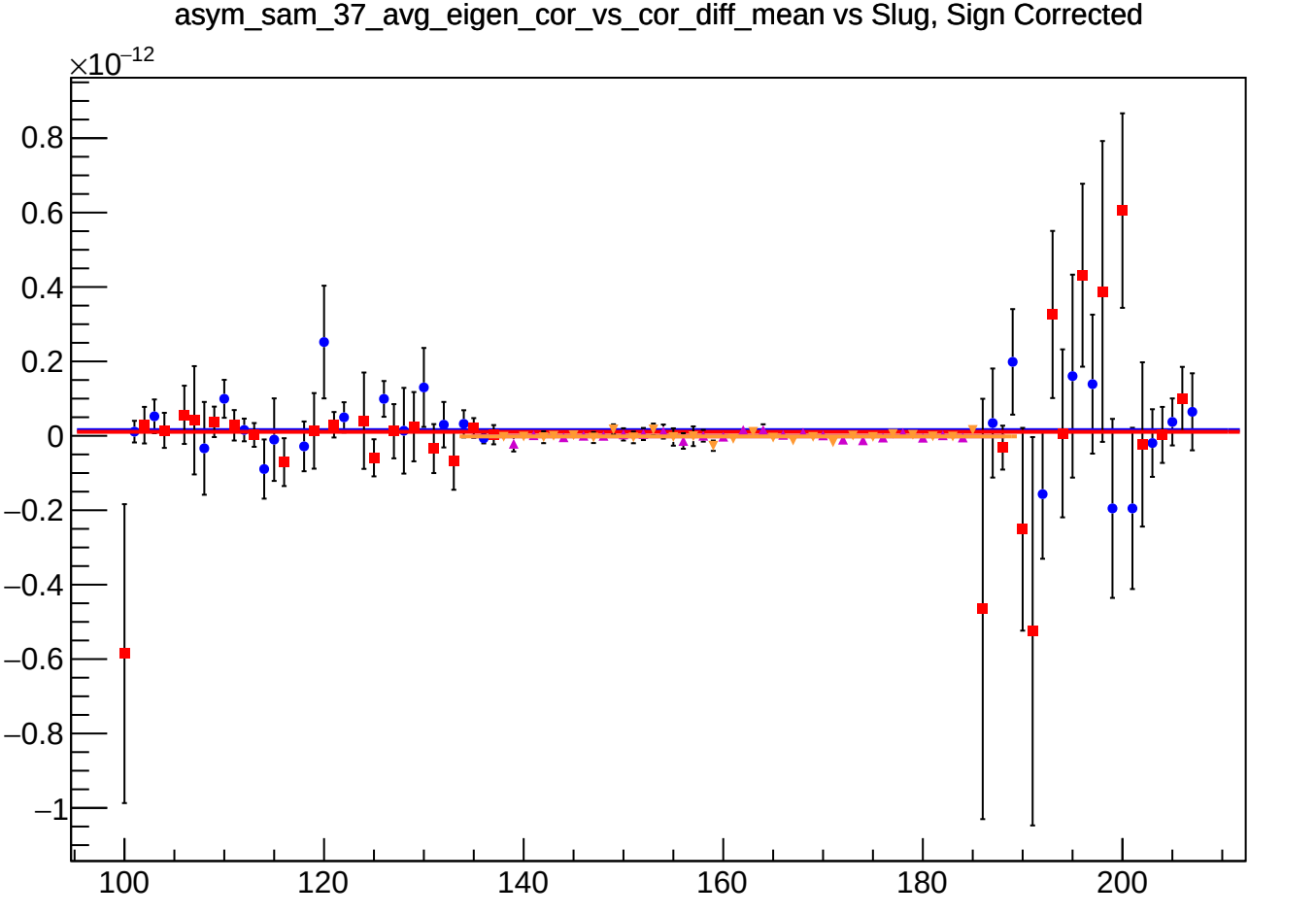
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 35.152+/-0.005 χ^2/NDF: 12291229.9/56

In: 26.620+/-0.004 χ^2/NDF:15361235.3/48

Out: 30.946+/-0.004 χ^2/NDF:14039421.7/55

All: 28.599+/-0.003 χ^2/NDF: 29923641.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 21.5/25

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

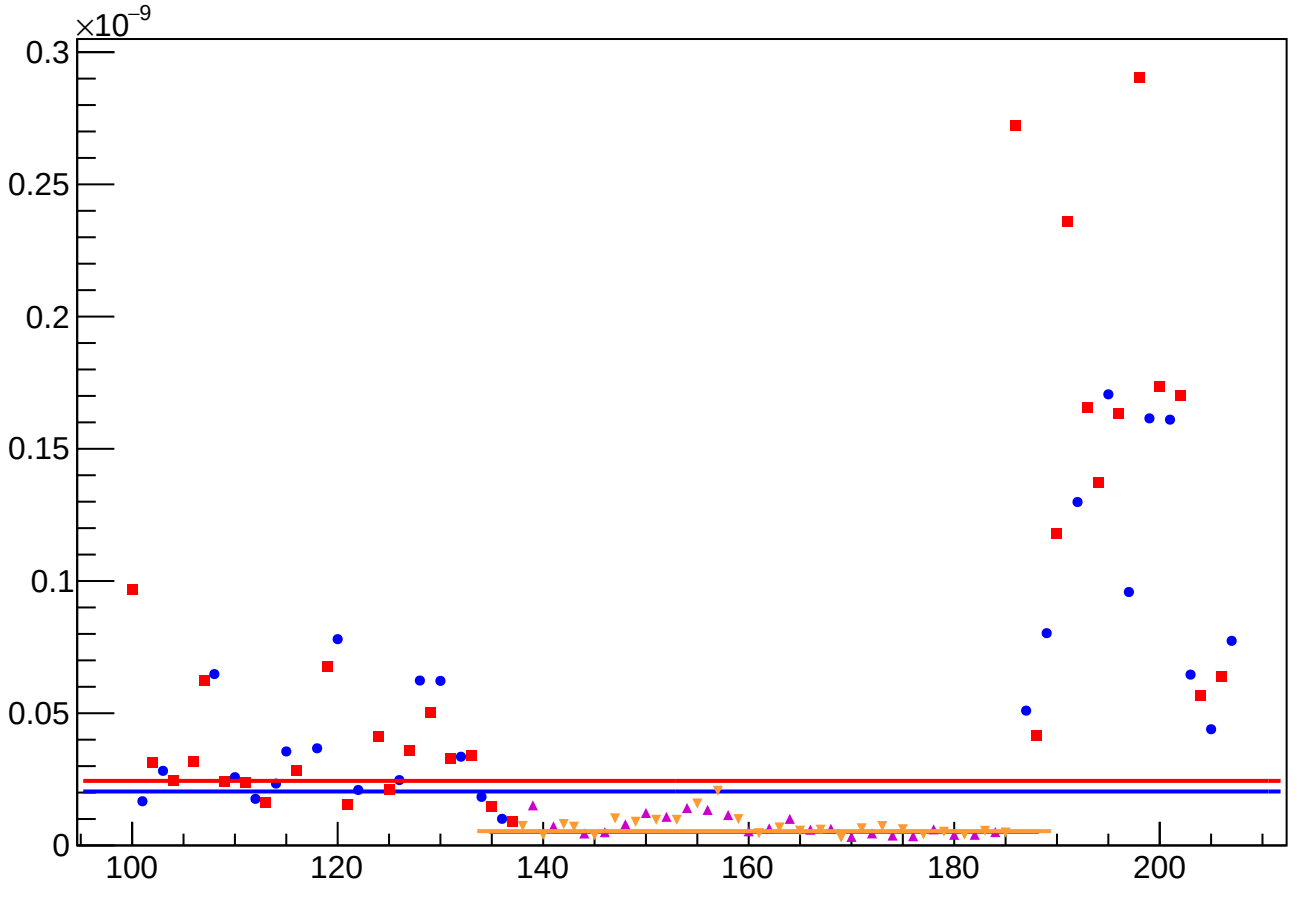
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 45.9/56

In: -0.000+/-0.000 χ^2/NDF:40.7/48

Out: -0.000+/-0.000 χ^2/NDF:43.2/55

All: -0.000+/-0.000 χ^2/NDF: 83.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 7708088.6/25

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

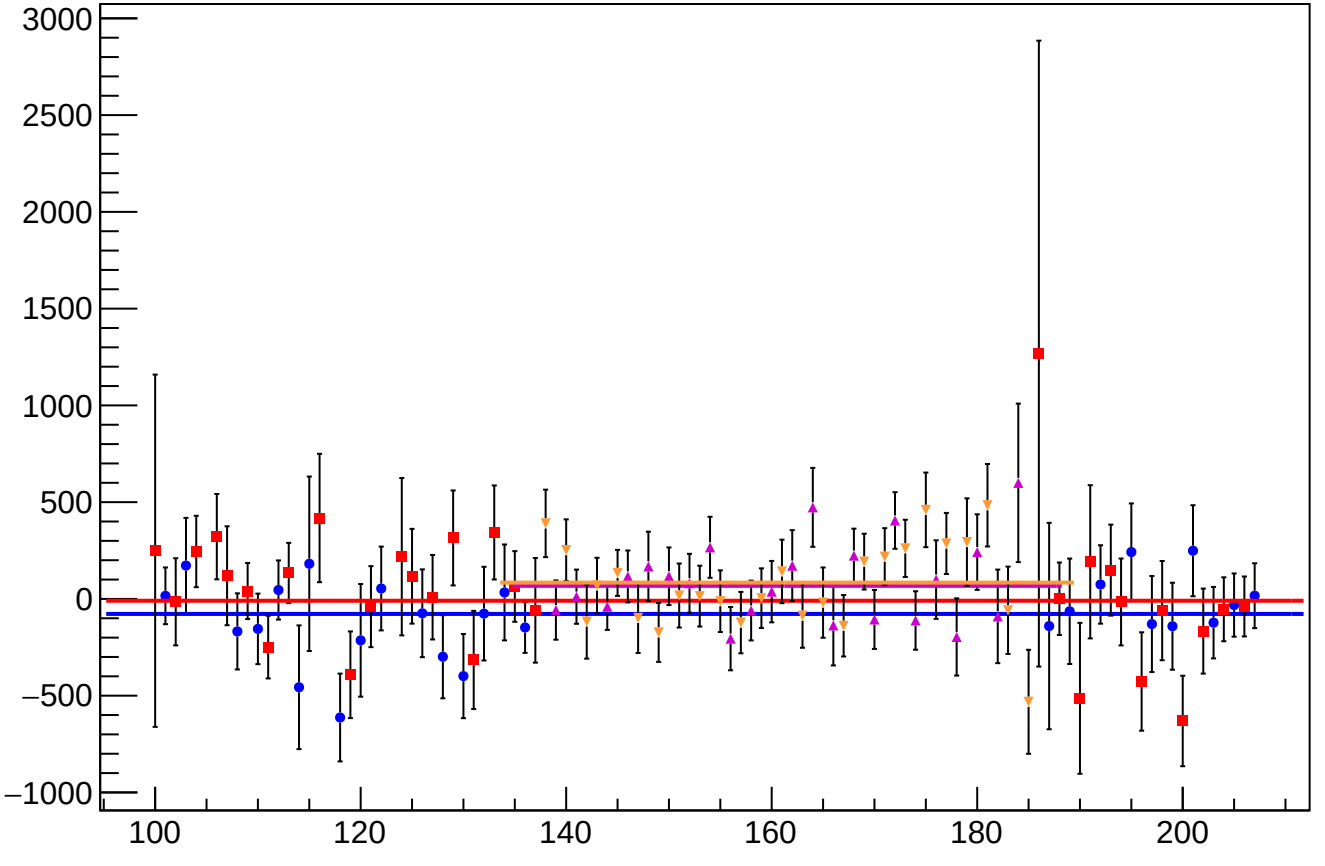
Right: 0.000+/-0.000 χ^2/NDF: 16285617.6/56

In: 0.000+/-0.000 χ^2/NDF:16426968.8/48

Out: 0.000+/-0.000 χ^2/NDF:17972450.7/55

All: 0.000+/-0.000 χ^2/NDF: 34420142.8/104

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -77.599+/-40.938 χ^2/NDF: 18.8/25

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

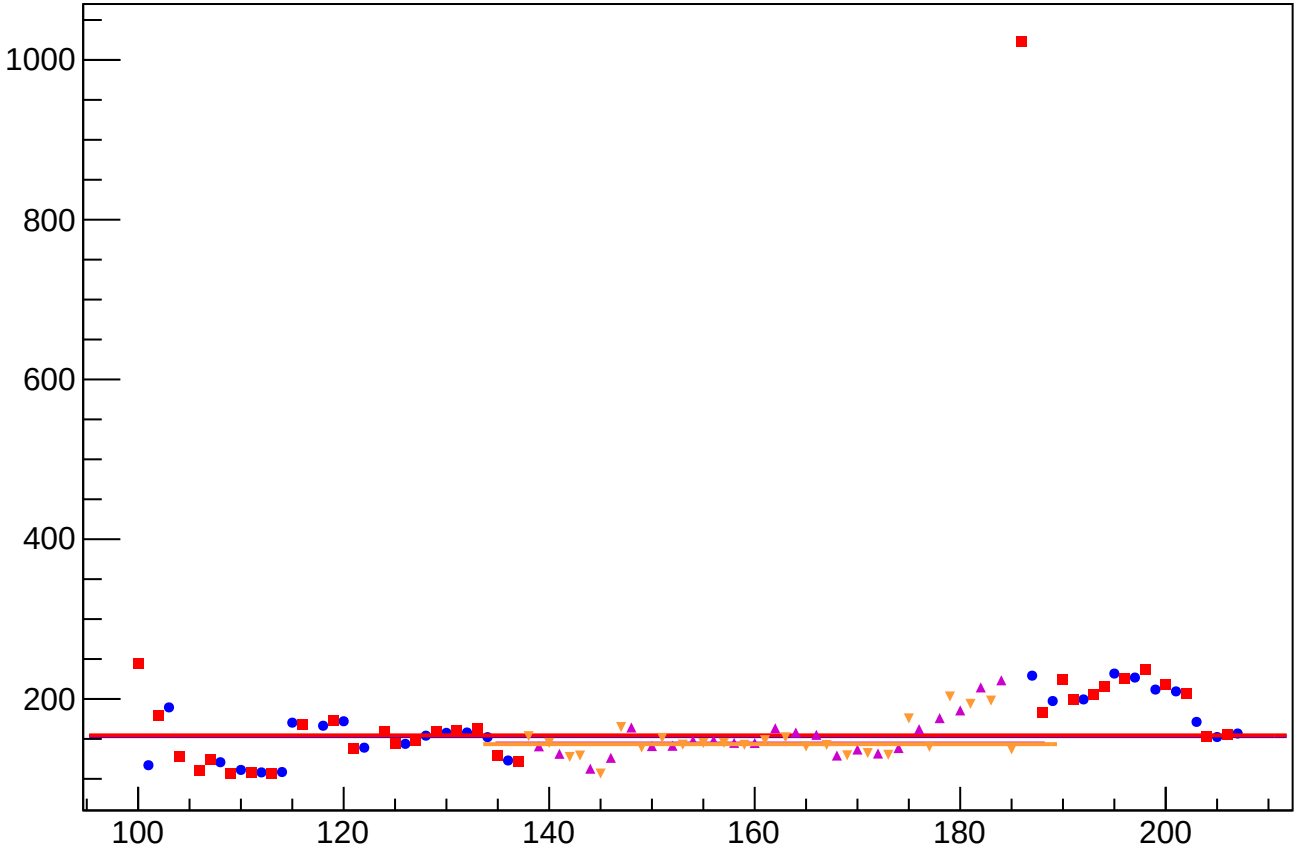
Right: -42.596+/-28.559 χ^2/NDF: 52.0/56

In: 8.074+/-26.218 χ^2/NDF:52.8/48

Out: 46.159+/-25.436 χ^2/NDF:68.9/55

All: 27.693+/-18.256 χ^2/NDF: 122.7/104

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.499+/-0.029 χ^2/NDF: 1516694.5/25

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

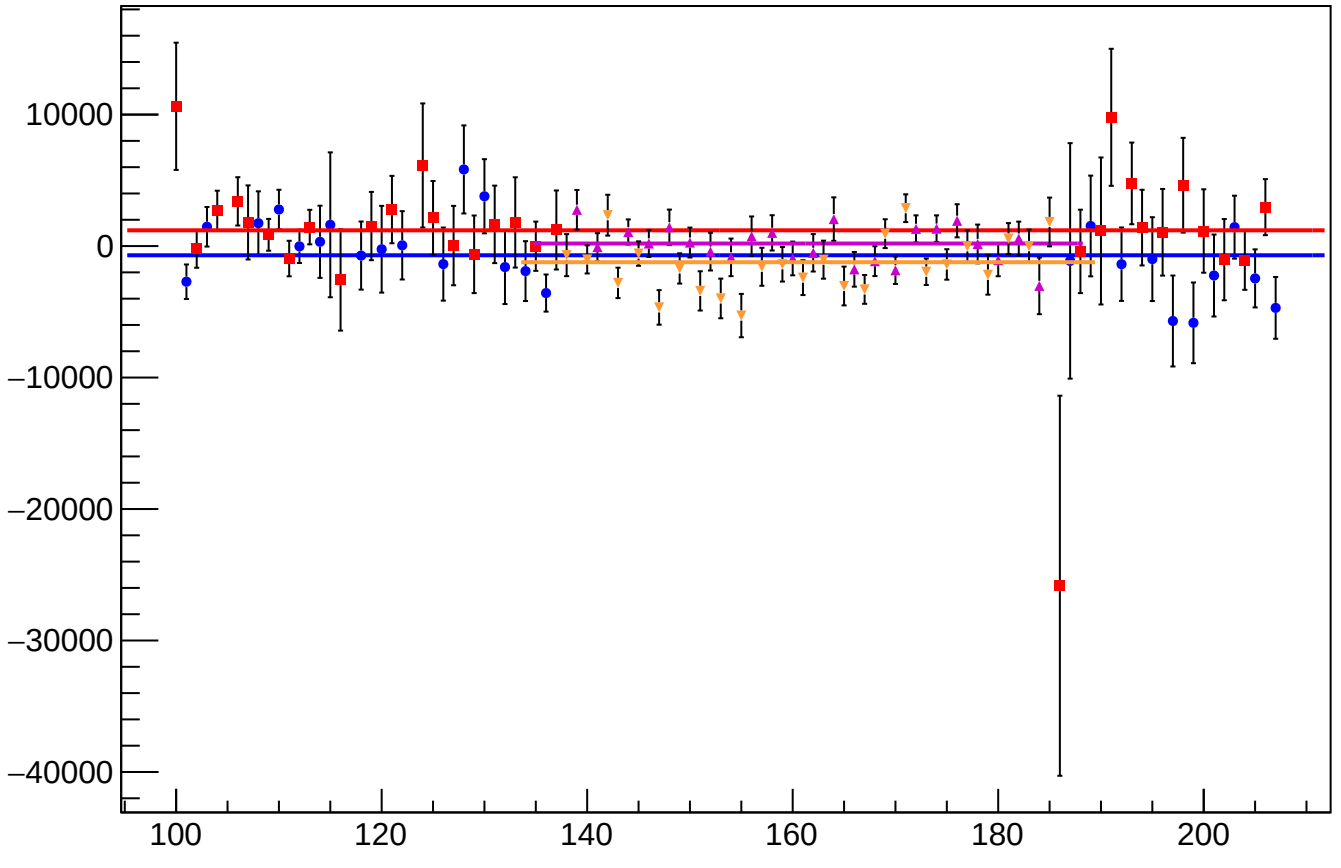
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.965+/-0.020 χ^2/NDF: 3959385.5/56

In: 147.997+/-0.019 χ^2/NDF:2280664.4/48

Out: 147.907+/-0.018 χ^2/NDF:3278908.4/55

All: 147.951+/-0.013 χ^2/NDF: 5559584.8/104



Right In: -699.586+/-441.137 χ^2/NDF: 32.3/25

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

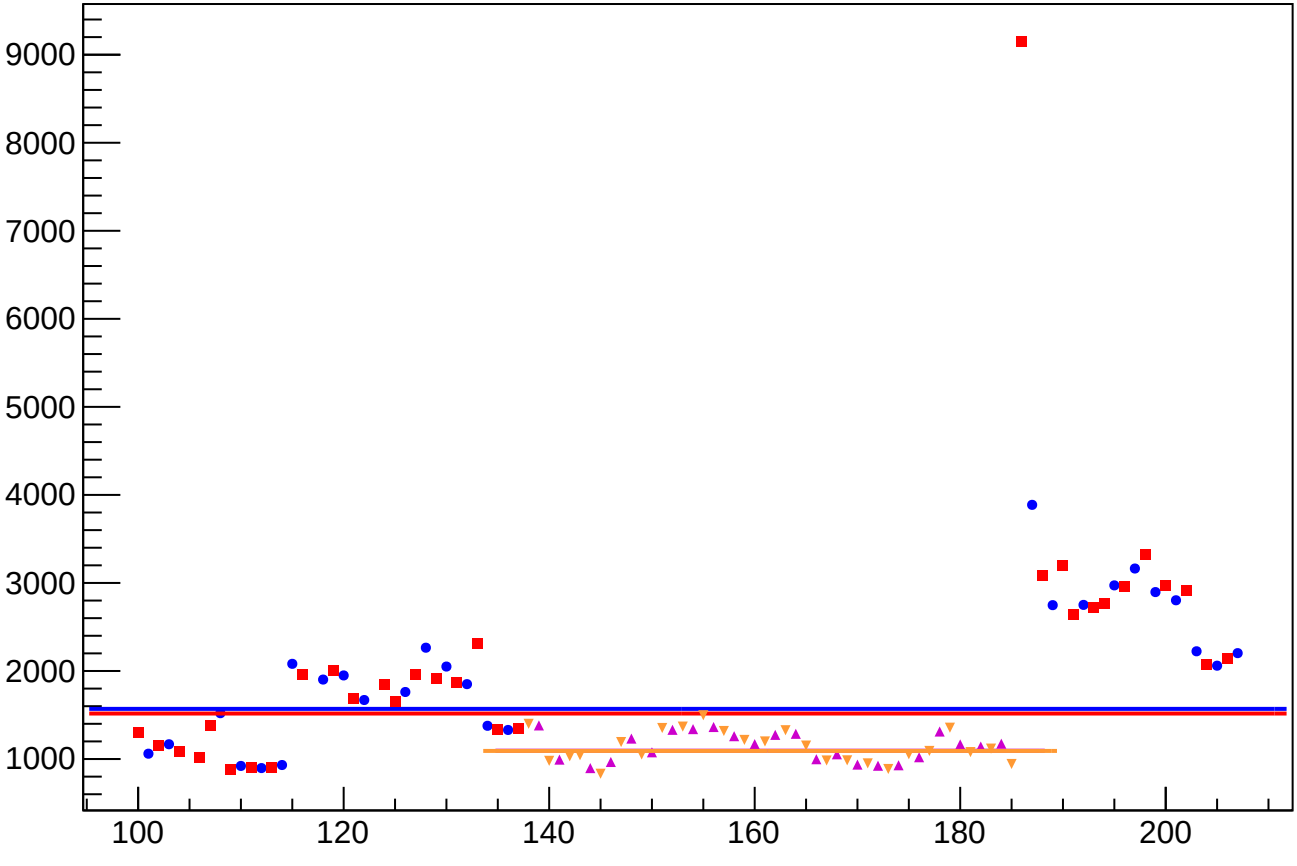
Right: 302.890+/-303.071 χ^2/NDF: 66.5/56

In: -35.107+/-223.300 χ^2/NDF:58.6/48

Out: -577.669+/-215.543 χ^2/NDF:108.4/55

All: -315.975+/-155.081 χ^2/NDF: 170.1/104

asym_sam_48_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1569.638+/-0.312 χ^2/NDF: 4385502.7/25

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

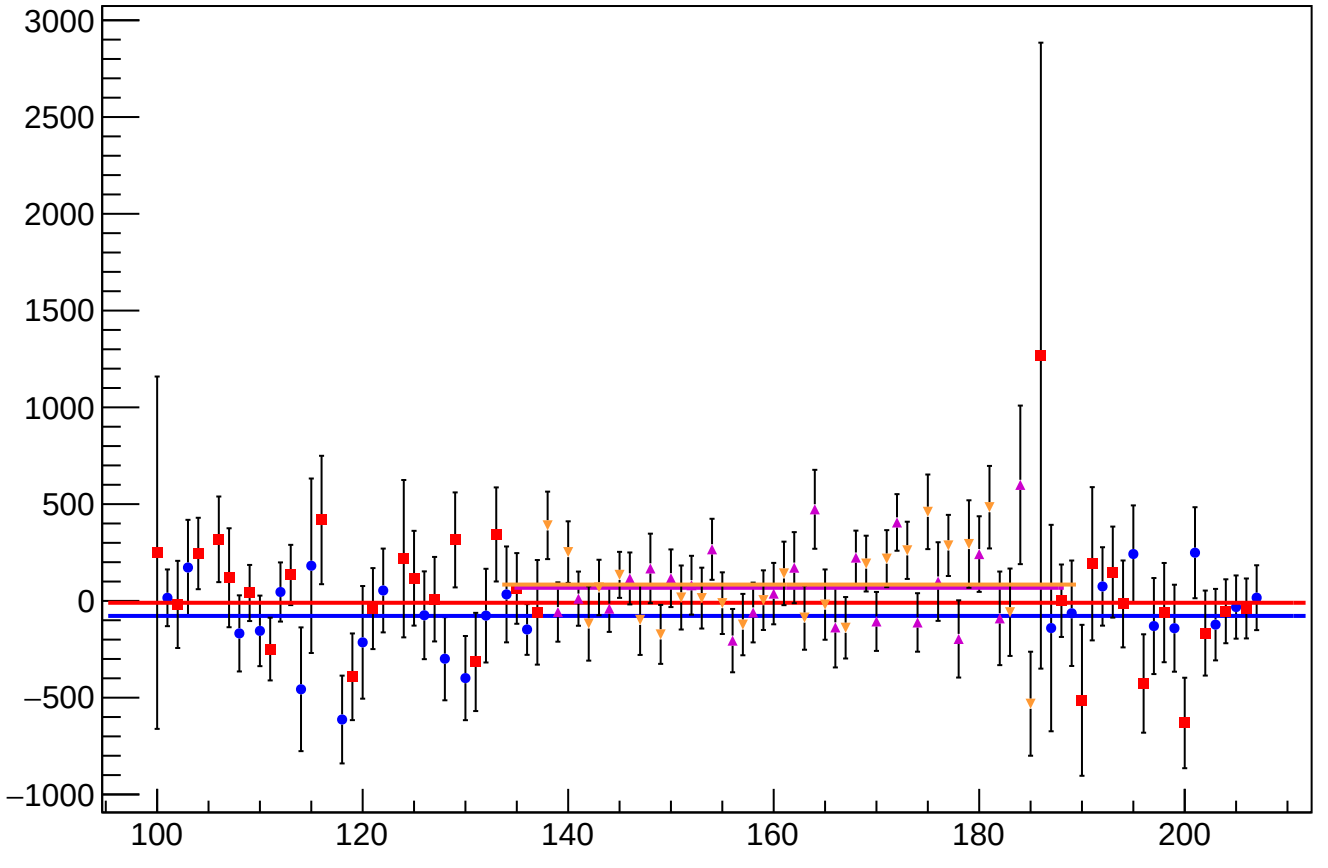
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1541.717+/-0.214 χ^2/NDF: 10619715.3/56

In: 1216.228+/-0.158 χ^2/NDF:6844314.9/48

Out: 1205.421+/-0.152 χ^2/NDF:8631910.0/55

All: 1210.634+/-0.110 χ^2/NDF: 15478649.8/1



Right In: -77.605+/-40.938 χ^2/NDF: 18.8/25

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

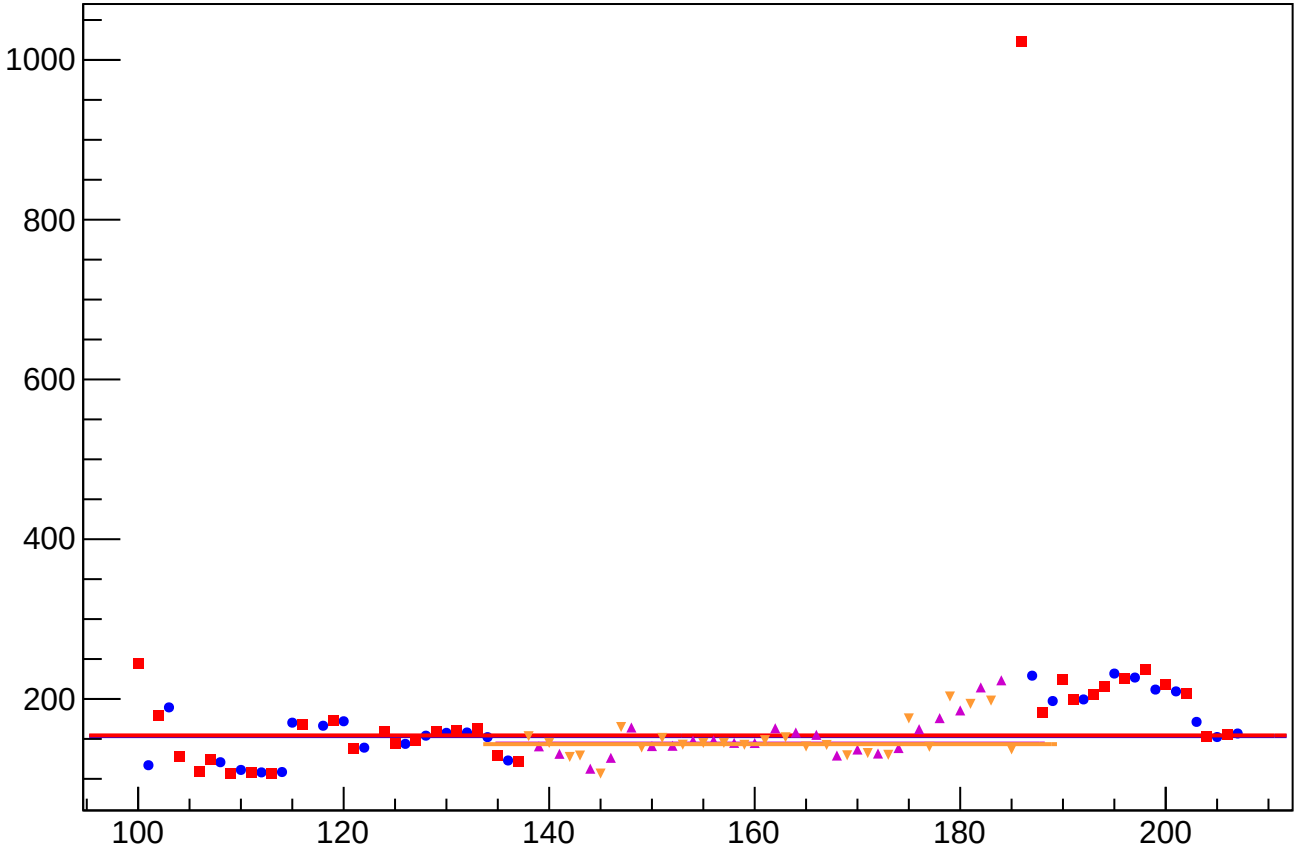
Right: -42.750+/-28.561 χ^2/NDF: 51.9/56

In: 8.072+/-26.218 χ^2/NDF:52.8/48

Out: 46.056+/-25.437 χ^2/NDF:68.8/55

All: 27.638+/-18.256 χ^2/NDF: 122.7/104

cor_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.499+/-0.029 χ^2/NDF: 1516696.8/25

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

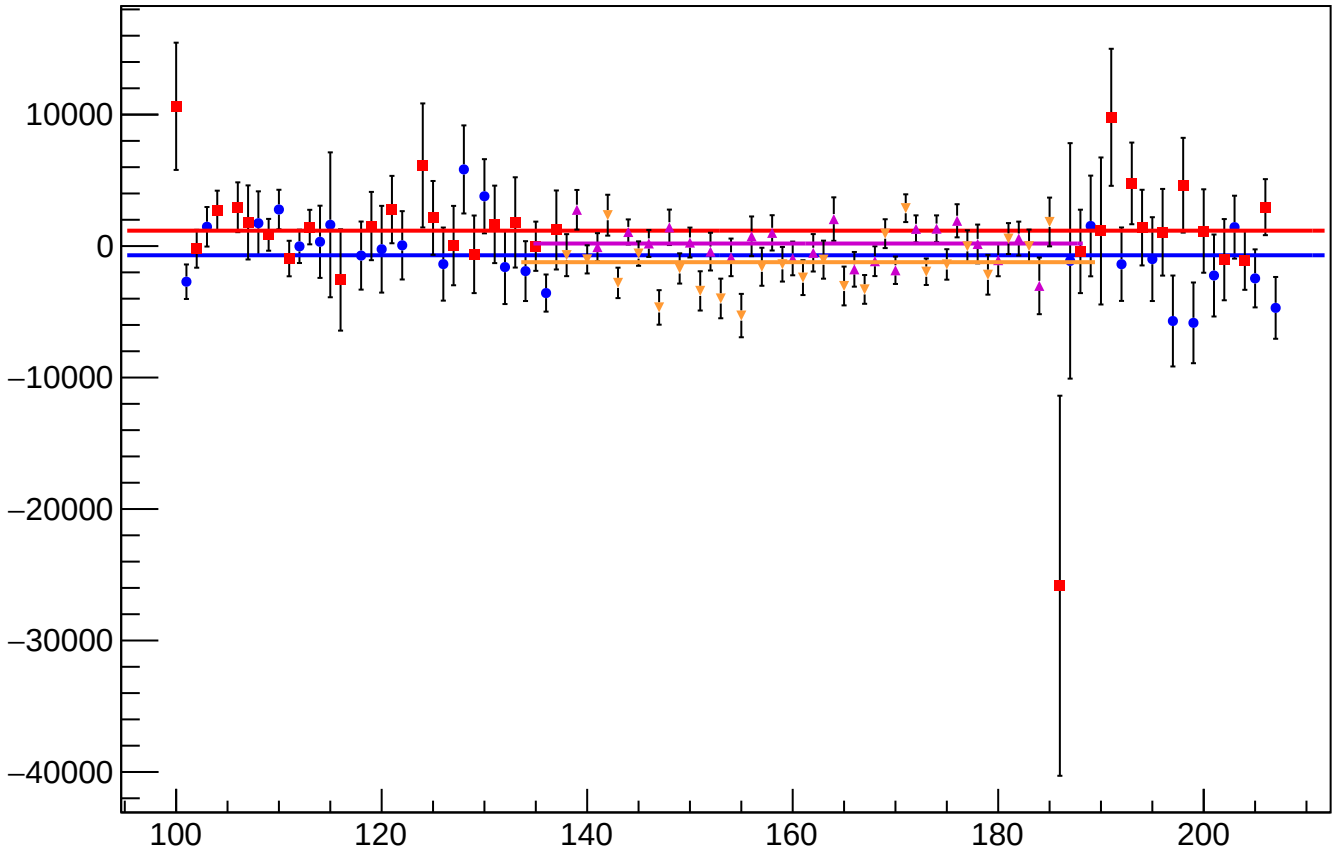
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.944+/-0.020 χ^2/NDF: 3964829.1/56

In: 147.997+/-0.019 χ^2/NDF:2280667.0/48

Out: 147.890+/-0.018 χ^2/NDF:3283710.0/55

All: 147.942+/-0.013 χ^2/NDF: 5564394.1/104



Right In: -699.643+/-441.141 χ^2/NDF: 32.3/25

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

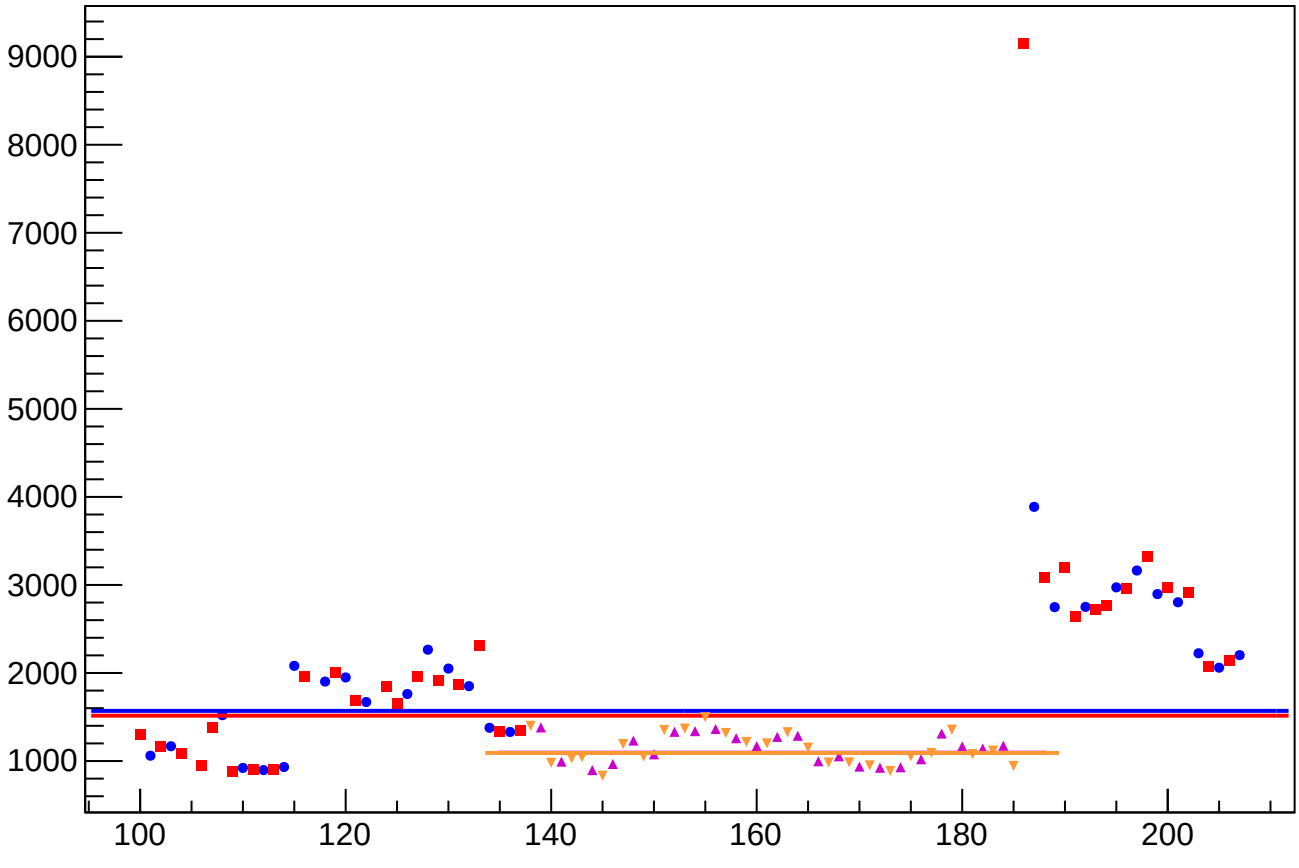
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 286.770+/-303.322 χ^2/NDF: 65.6/56

In: -35.117+/-223.300 χ^2/NDF:58.6/48

Out: -586.527+/-215.632 χ^2/NDF:107.2/55

All: -320.452+/-155.115 χ^2/NDF: 169.0/104



Right In: 1569.652+/-0.312 χ^2/NDF: 4385404.7/25

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

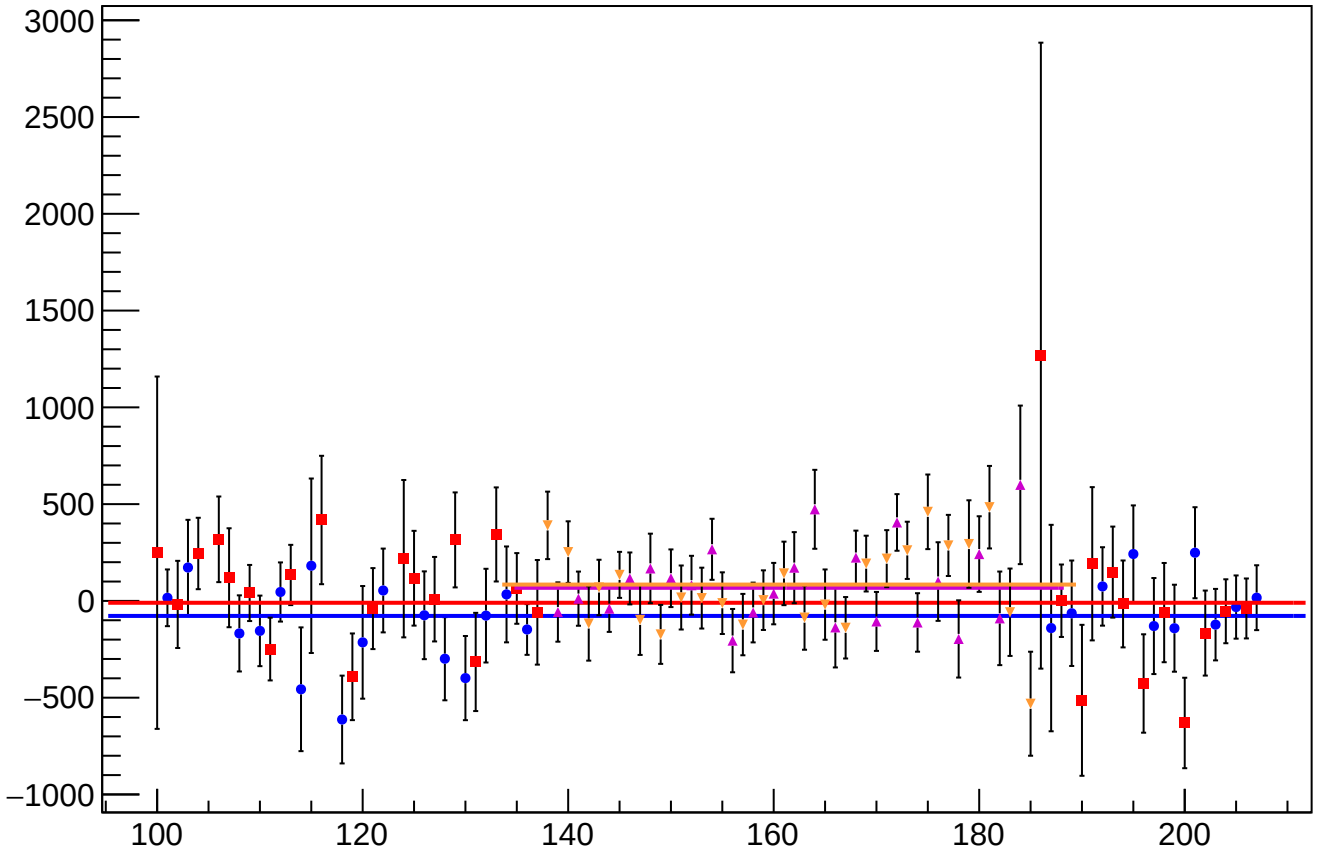
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1541.025+/-0.214 χ^2/NDF: 10647777.1/56

In: 1216.231+/-0.158 χ^2/NDF:6844304.0/48

Out: 1204.788+/-0.152 χ^2/NDF:8645785.5/55

All: 1210.309+/-0.110 χ^2/NDF: 15492807.2/



Right In: -77.605+/-40.938 χ^2/NDF: 18.8/25

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

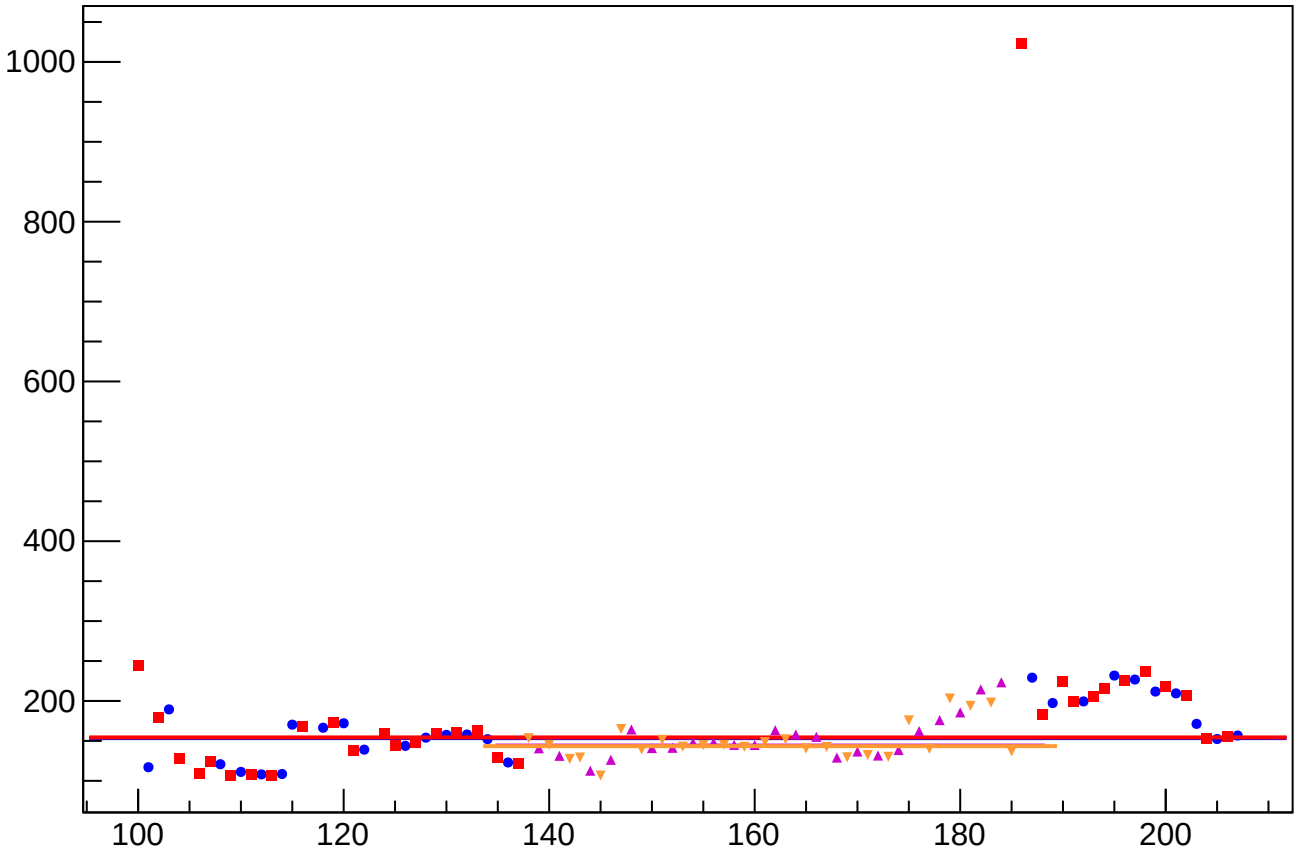
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -42.750+/-28.561 χ^2/NDF: 51.9/56

In: 8.072+/-26.218 χ^2/NDF:52.8/48

Out: 46.056+/-25.437 χ^2/NDF:68.8/55

All: 27.638+/-18.256 χ^2/NDF: 122.7/104



Right In: 153.499+/-0.029 χ^2/NDF: 1516696.8/25

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

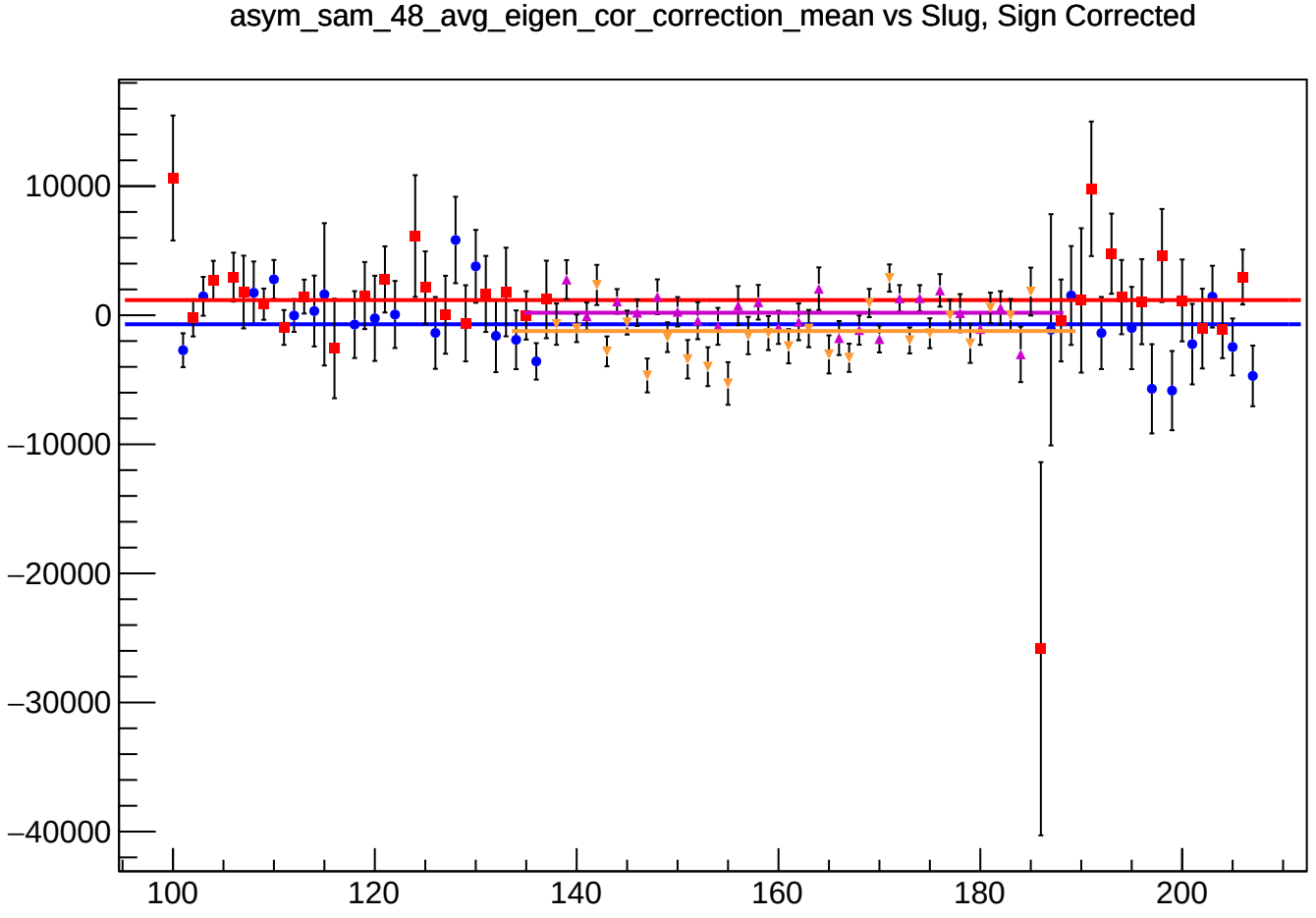
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.944+/-0.020 χ^2/NDF: 3964829.1/56

In: 147.997+/-0.019 χ^2/NDF:2280667.0/48

Out: 147.890+/-0.018 χ^2/NDF:3283710.0/55

All: 147.942+/-0.013 χ^2/NDF: 5564394.1/104



Right In: -699.643+/-441.141 χ^2/NDF: 32.3/25

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

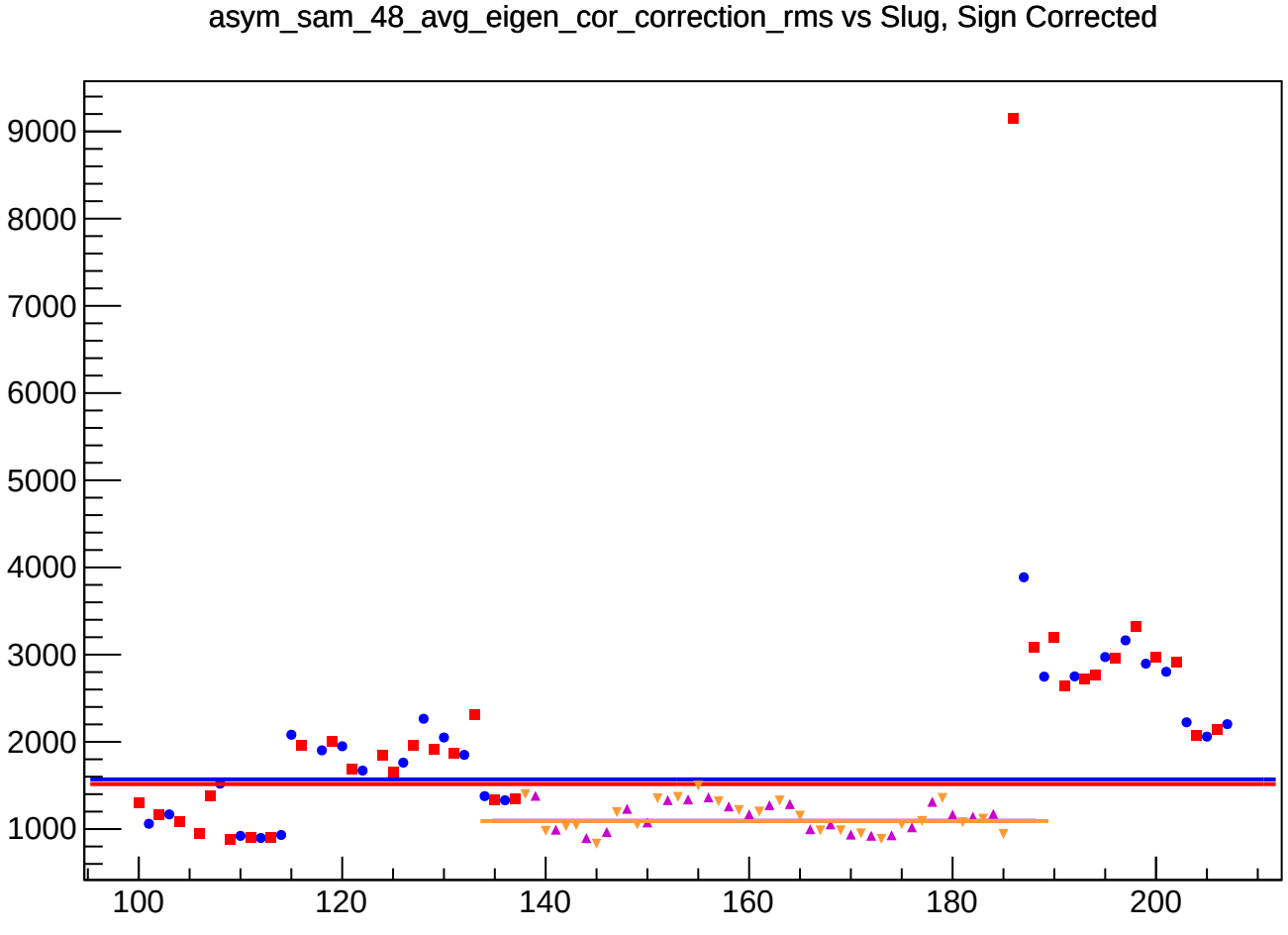
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 286.770+/-303.322 χ^2/NDF: 65.6/56

In: -35.117+/-223.300 χ^2/NDF:58.6/48

Out: -586.527+/-215.632 χ^2/NDF:107.2/55

All: -320.452+/-155.115 χ^2/NDF: 169.0/104



Right In: 1569.652+/-0.312 χ^2/NDF: 4385404.7/25

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

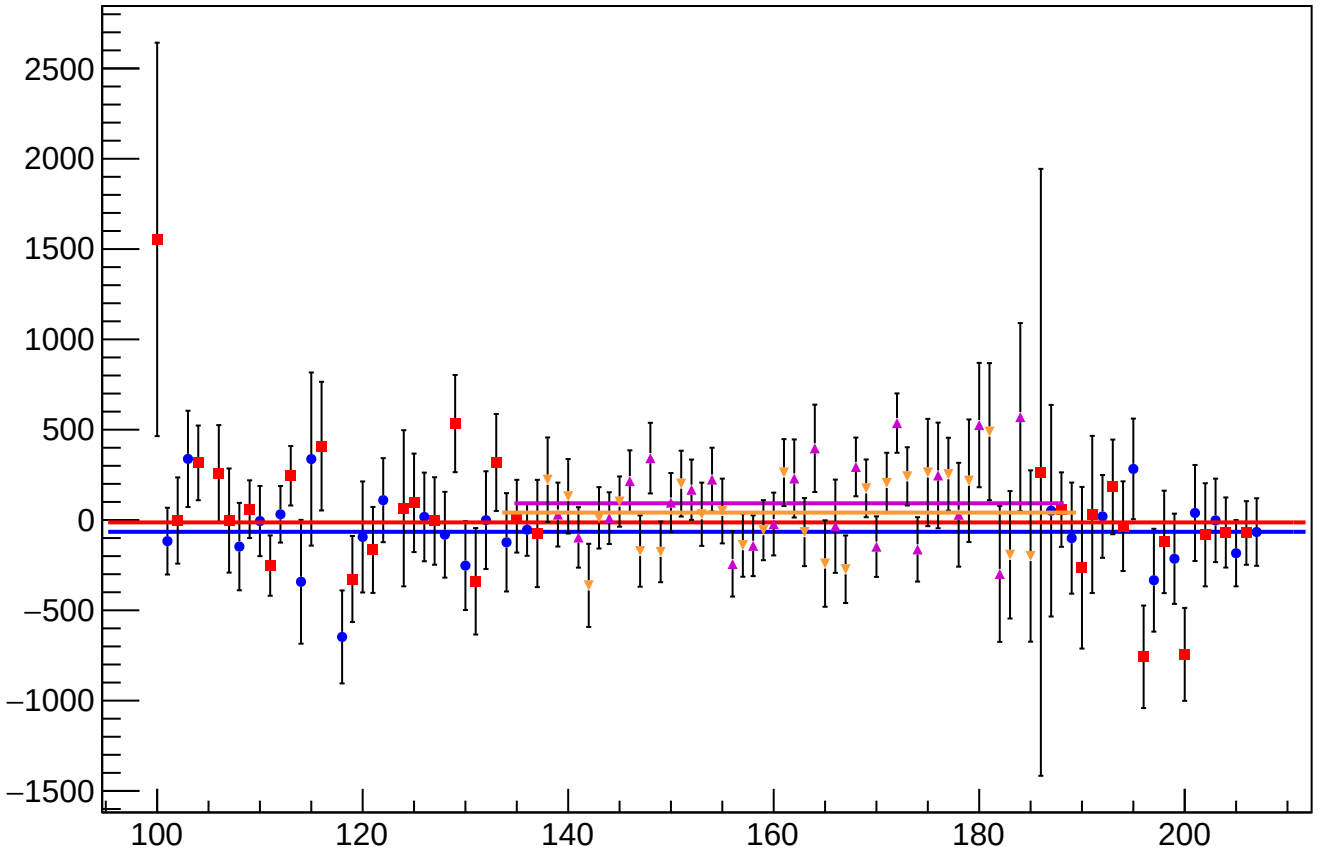
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1541.025+/-0.214 χ^2/NDF: 10647777.1/56

In: 1216.231+/-0.158 χ^2/NDF:6844304.0/48

Out: 1204.788+/-0.152 χ^2/NDF:8645785.5/55

All: 1210.309+/-0.110 χ^2/NDF: 15492807.2/



Right In: -65.407+/-45.855 χ^2/NDF: 14.5/25

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

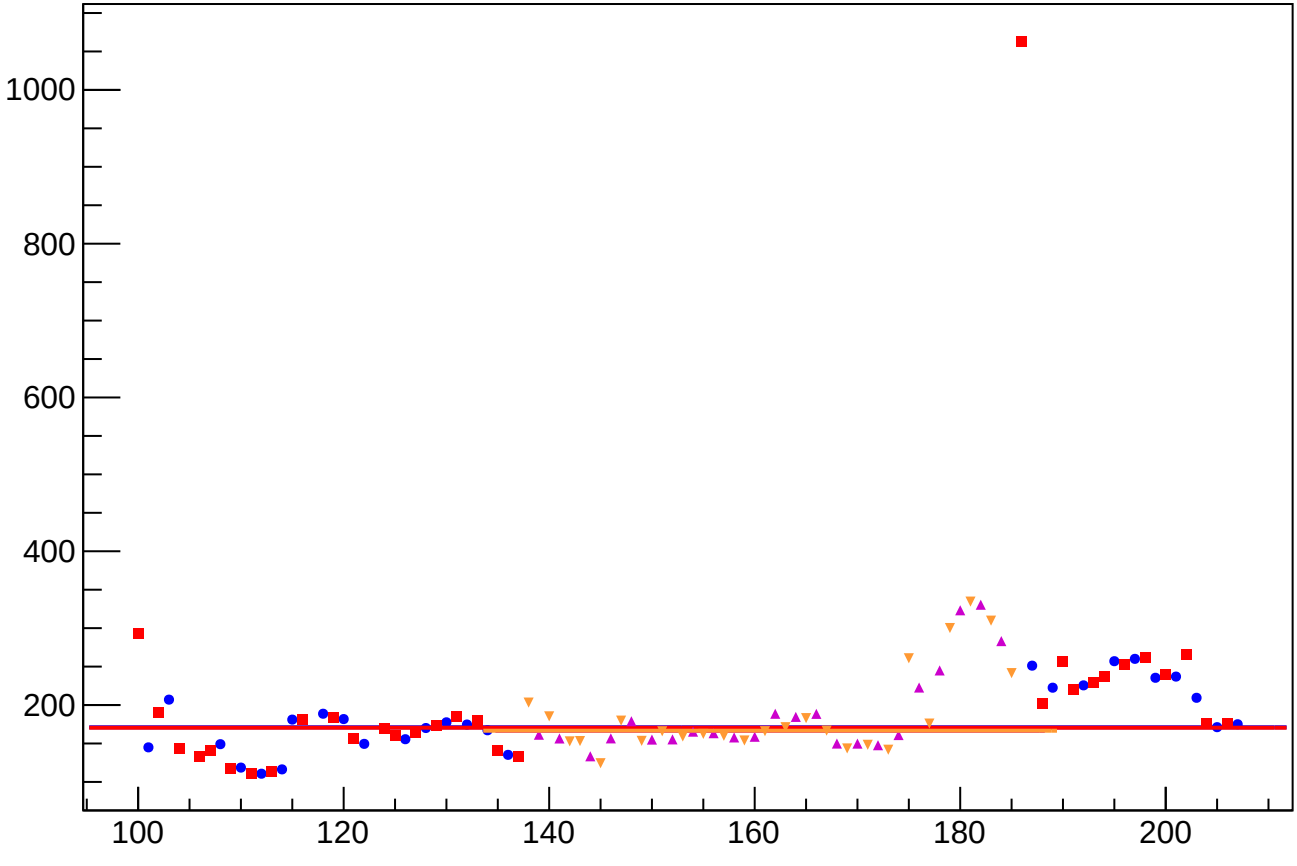
Right: -38.453+/-31.859 χ^2/NDF: 52.5/56

In: 23.977+/-30.214 χ^2/NDF:50.7/48

Out: 17.216+/-29.346 χ^2/NDF:60.6/55

All: 20.498+/-21.051 χ^2/NDF: 111.3/104

dit_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 171.080+/-0.032 χ^2/NDF: 1654328.2/25

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

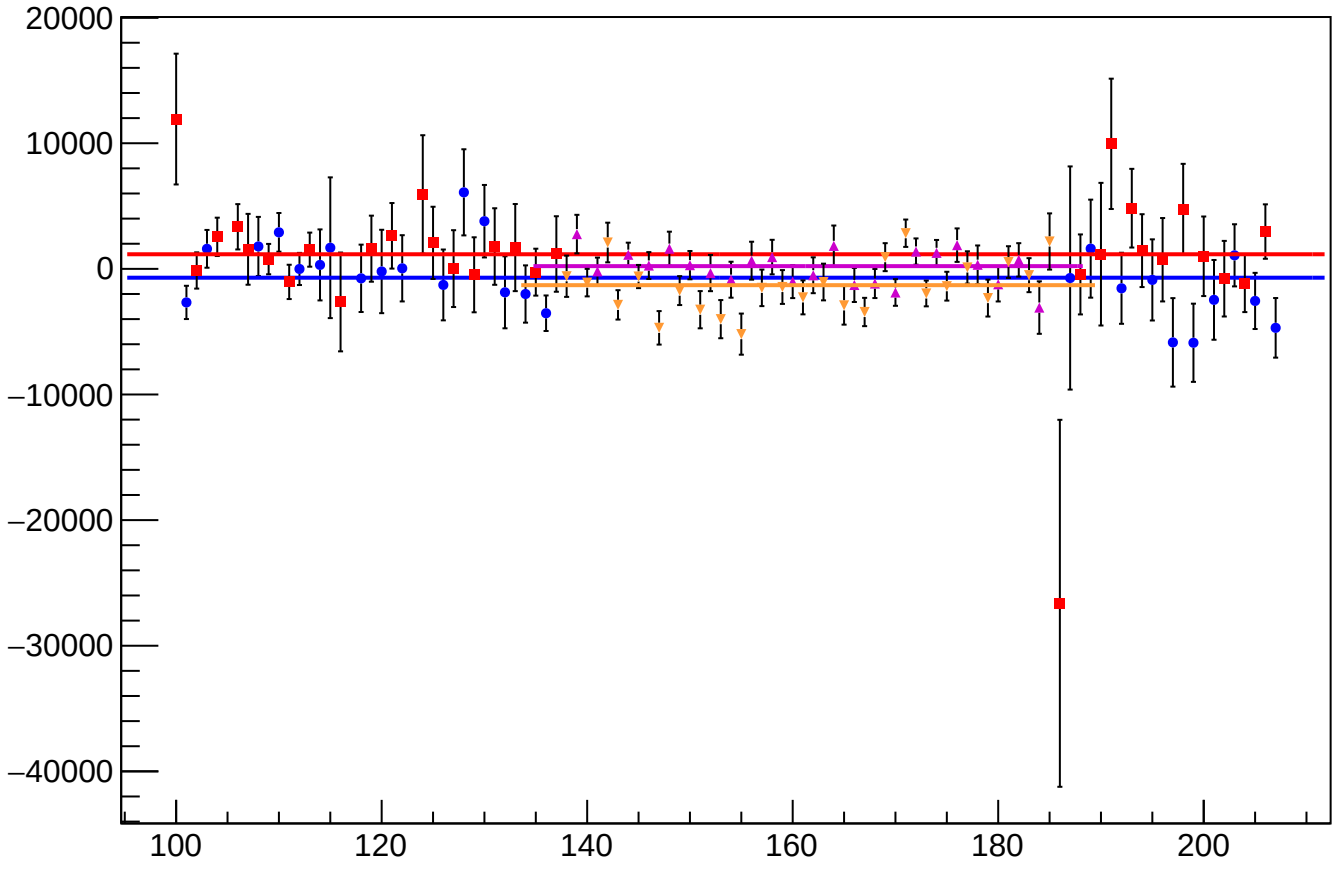
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 170.783+/-0.023 χ^2/NDF: 4301168.8/56

In: 168.380+/-0.021 χ^2/NDF:3059049.5/48

Out: 168.313+/-0.021 χ^2/NDF:4375243.7/55

All: 168.346+/-0.015 χ^2/NDF: 7434298.2/104



Right In: -703.701+/-446.047 χ^2/NDF: 32.5/25

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

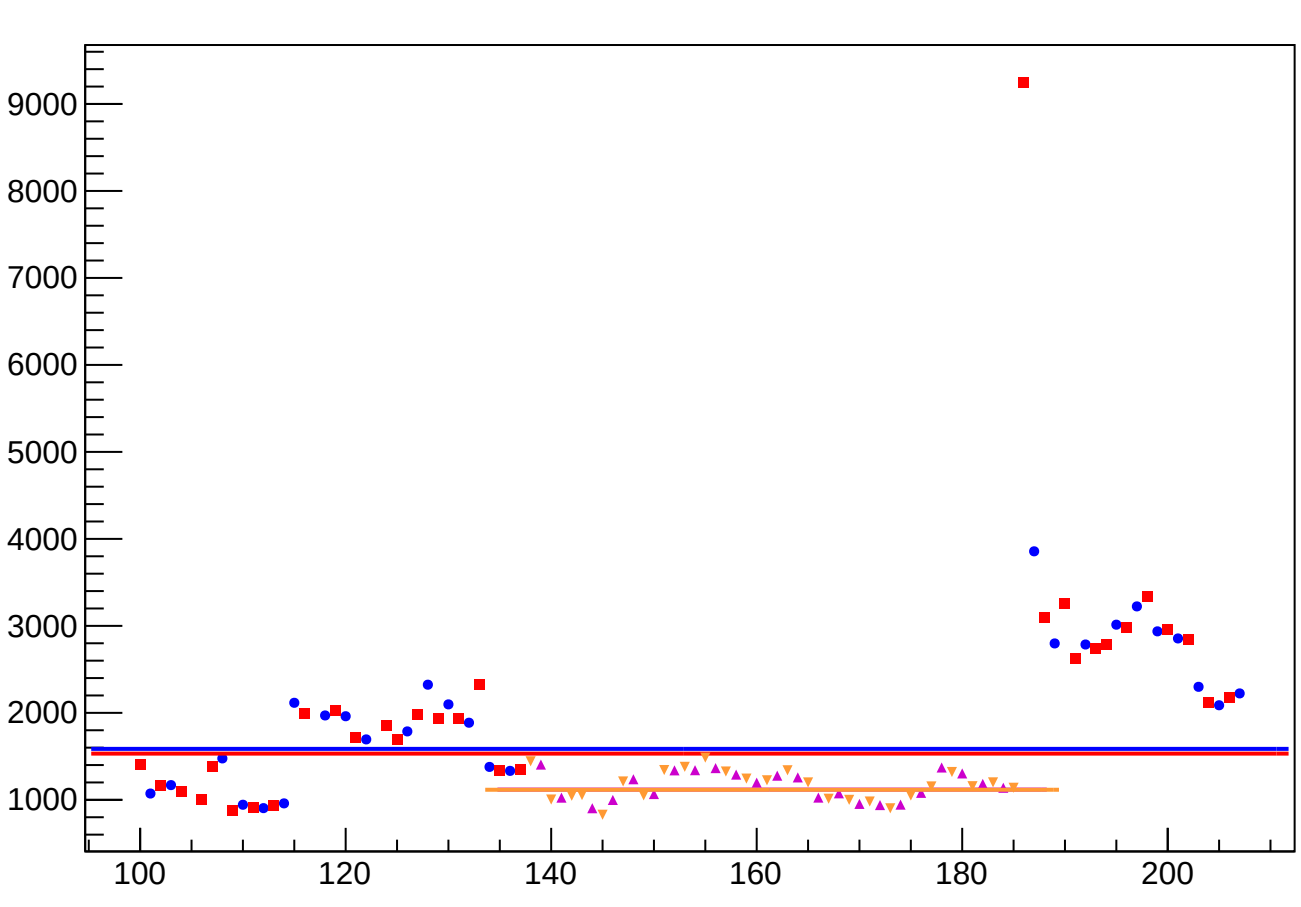
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

Right: 283.655+/-306.102 χ^2/NDF: 66.6/56

In: -22.164+/-227.436 χ^2/NDF:57.9/48

Out: -630.016+/-219.311 χ^2/NDF:104.9/55

All: -337.142+/-157.871 χ^2/NDF: 166.5/104



Right In: 1586.029+/-0.315 χ^2/NDF: 4443190.0/25

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

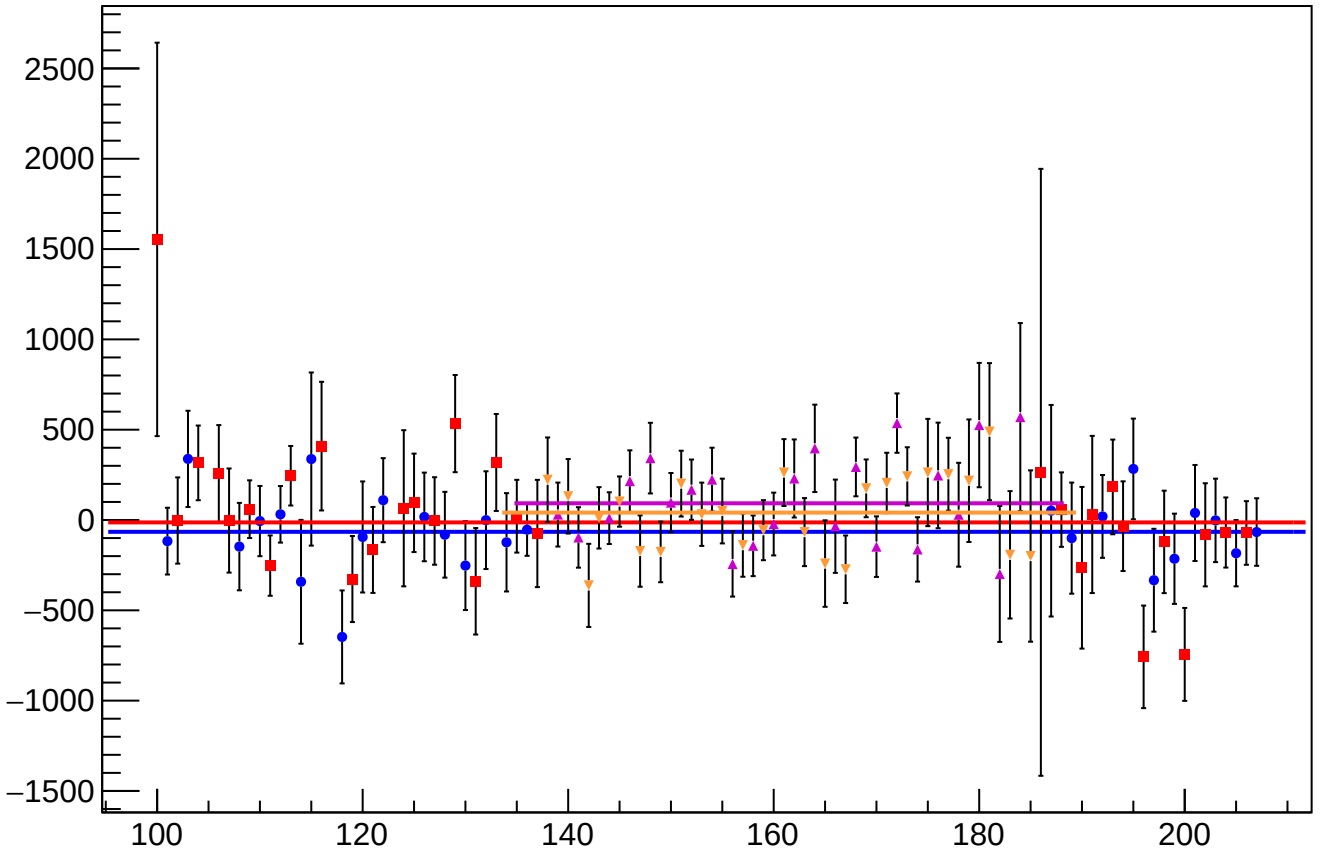
Left: 1116.907+/-0.130 χ^2/NDF: 1596924.0/47

Right: 1557.225+/-0.216 χ^2/NDF: 10657780.3/56

In: 1239.559+/-0.161 χ^2/NDF:6803245.0/48

Out: 1228.886+/-0.155 χ^2/NDF:8486775.5/55

All: 1234.029+/-0.112 χ^2/NDF: 15292302.6/



Right In: -65.404+/-45.855 χ^2/NDF: 14.5/25

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

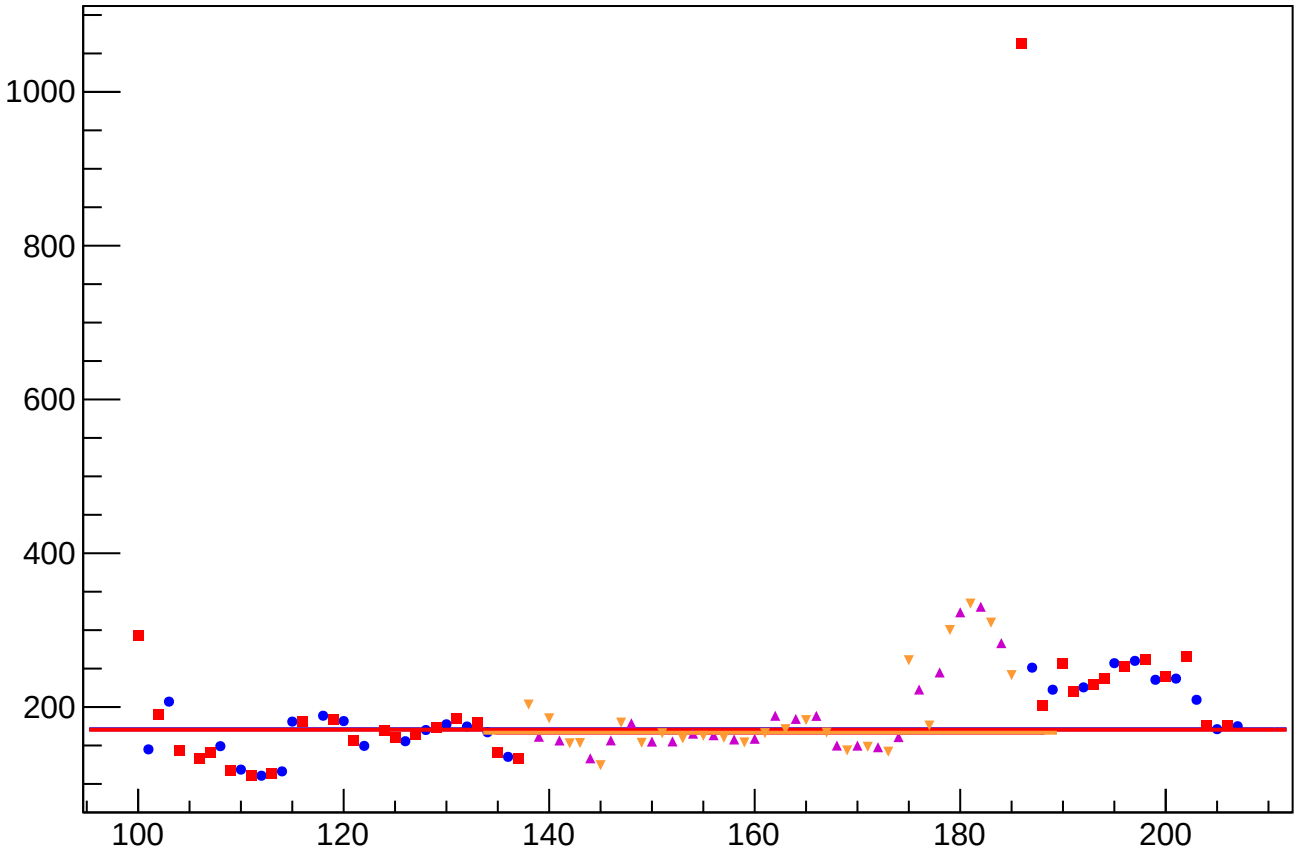
Left: 66.181+/-28.045 χ^2/NDF: 52.7/47

Right: -38.452+/-31.859 χ^2/NDF: 52.5/56

In: 23.978+/-30.214 χ^2/NDF:50.7/48

Out: 17.217+/-29.346 χ^2/NDF:60.6/55

All: 20.499+/-21.051 χ^2/NDF: 111.3/104



Right In: 171.080+/-0.032 χ^2/NDF: 1654316.2/25

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

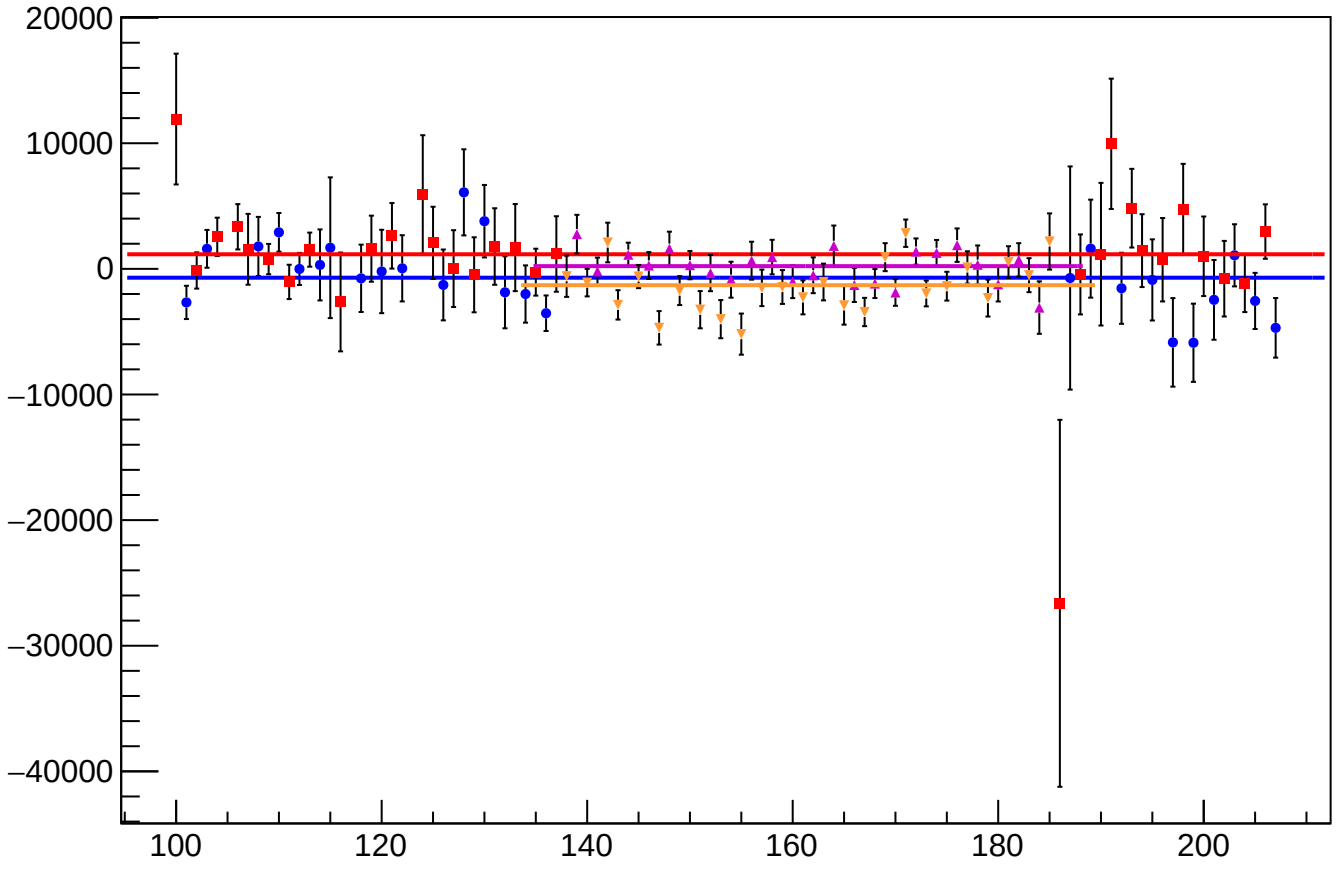
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

Right: 170.783+/-0.023 χ^2/NDF: 4301163.8/56

In: 168.380+/-0.021 χ^2/NDF:3059015.6/48

Out: 168.313+/-0.021 χ^2/NDF:4375243.1/55

All: 168.346+/-0.015 χ^2/NDF: 7434263.7/104



Right In: -703.700+/-446.046 χ^2/NDF: 32.5/25

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

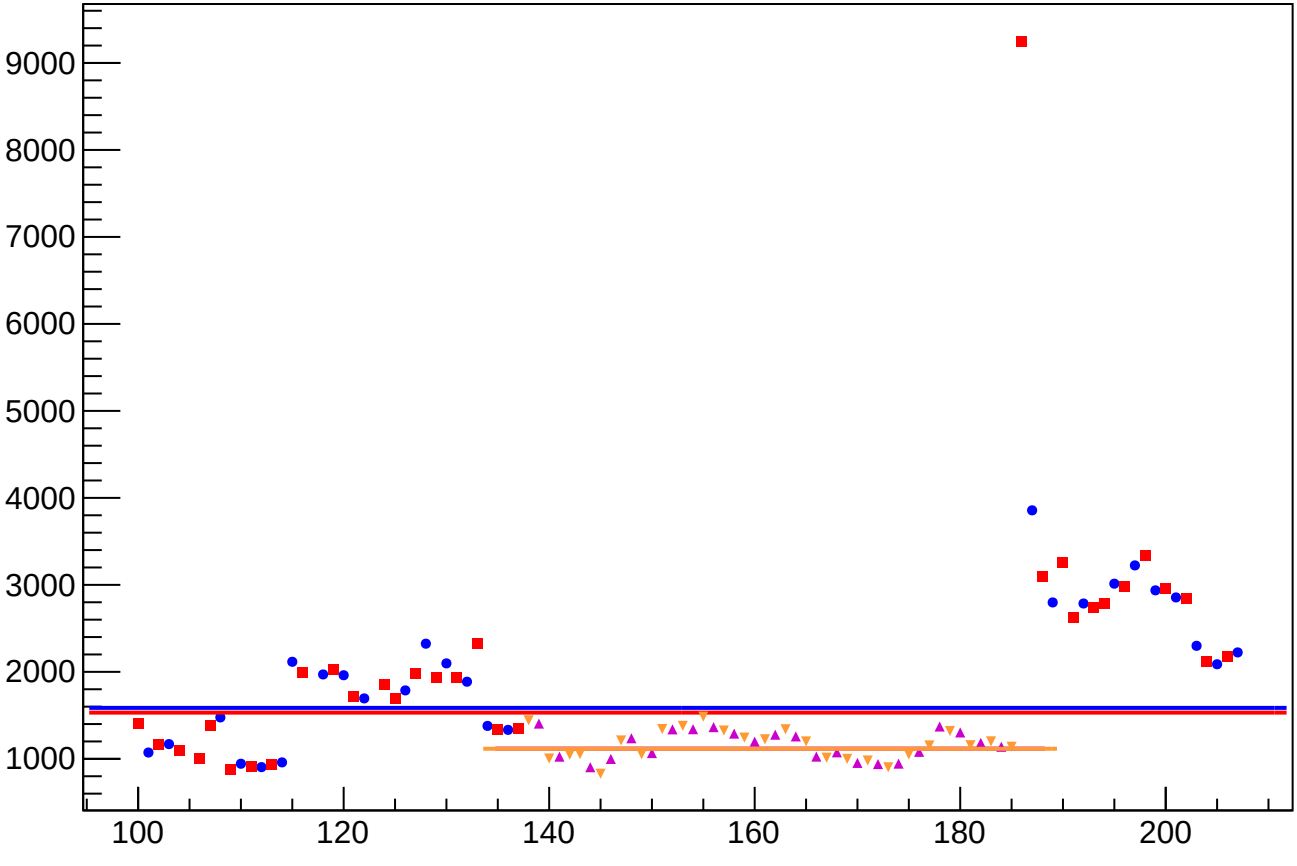
Right: 283.655+/-306.102 χ^2/NDF: 66.6/56

In: -22.164+/-227.436 χ^2/NDF:57.9/48

Out: -630.015+/-219.311 χ^2/NDF:104.9/55

All: -337.142+/-157.870 χ^2/NDF: 166.5/104

asym_sam_48_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1586.028+/-0.315 χ^2/NDF: 4443191.5/25

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

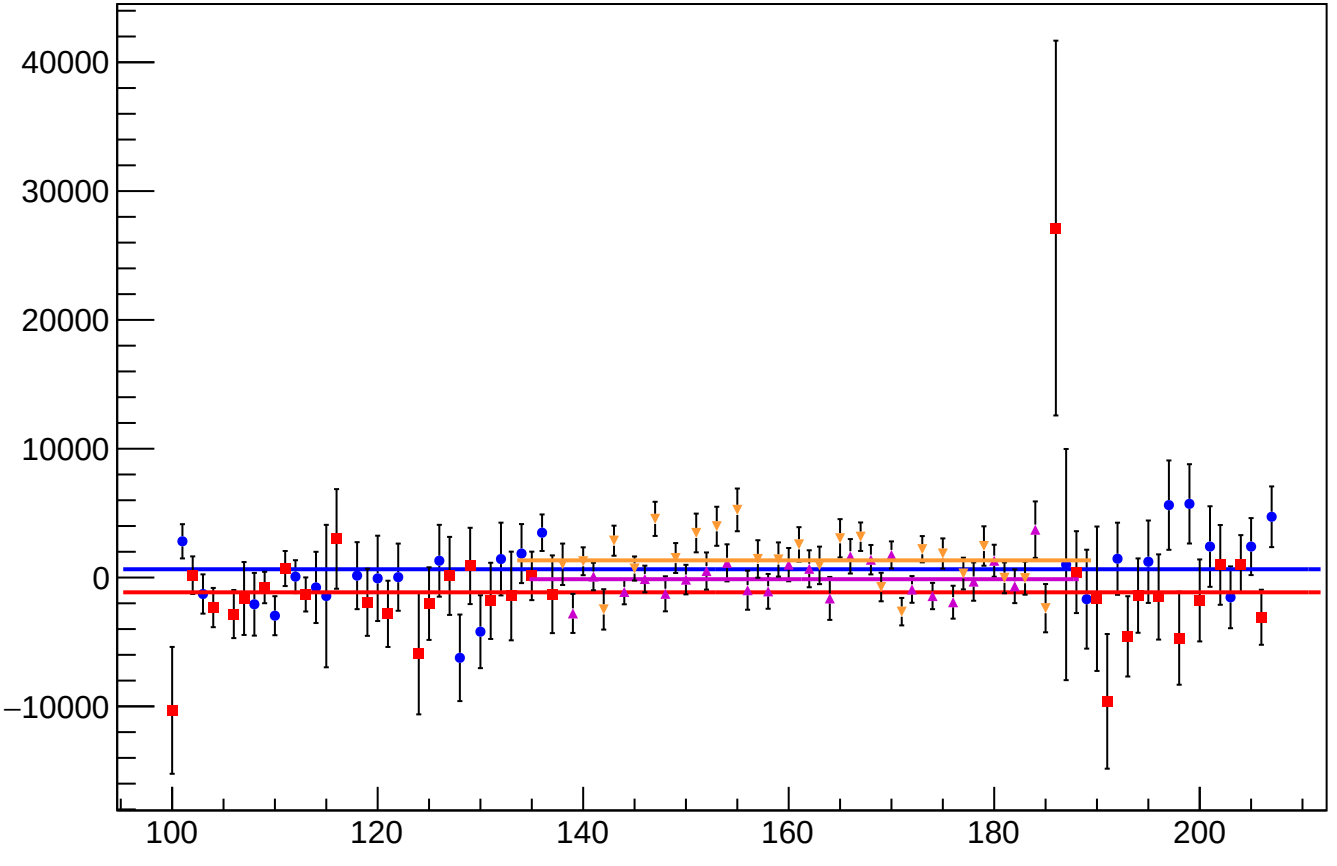
Right: 1557.223+/-0.216 χ^2/NDF: 10657780.7/56

In: 1239.557+/-0.161 χ^2/NDF:6803250.6/48

Out: 1228.884+/-0.155 χ^2/NDF:8486782.2/55

All: 1234.027+/-0.112 χ^2/NDF: 15292315.0/1

asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: 643.735+/-443.955 χ^2/NDF: 33.5/25

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1147.233+/-419.875 χ^2/NDF: 22.8/30

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

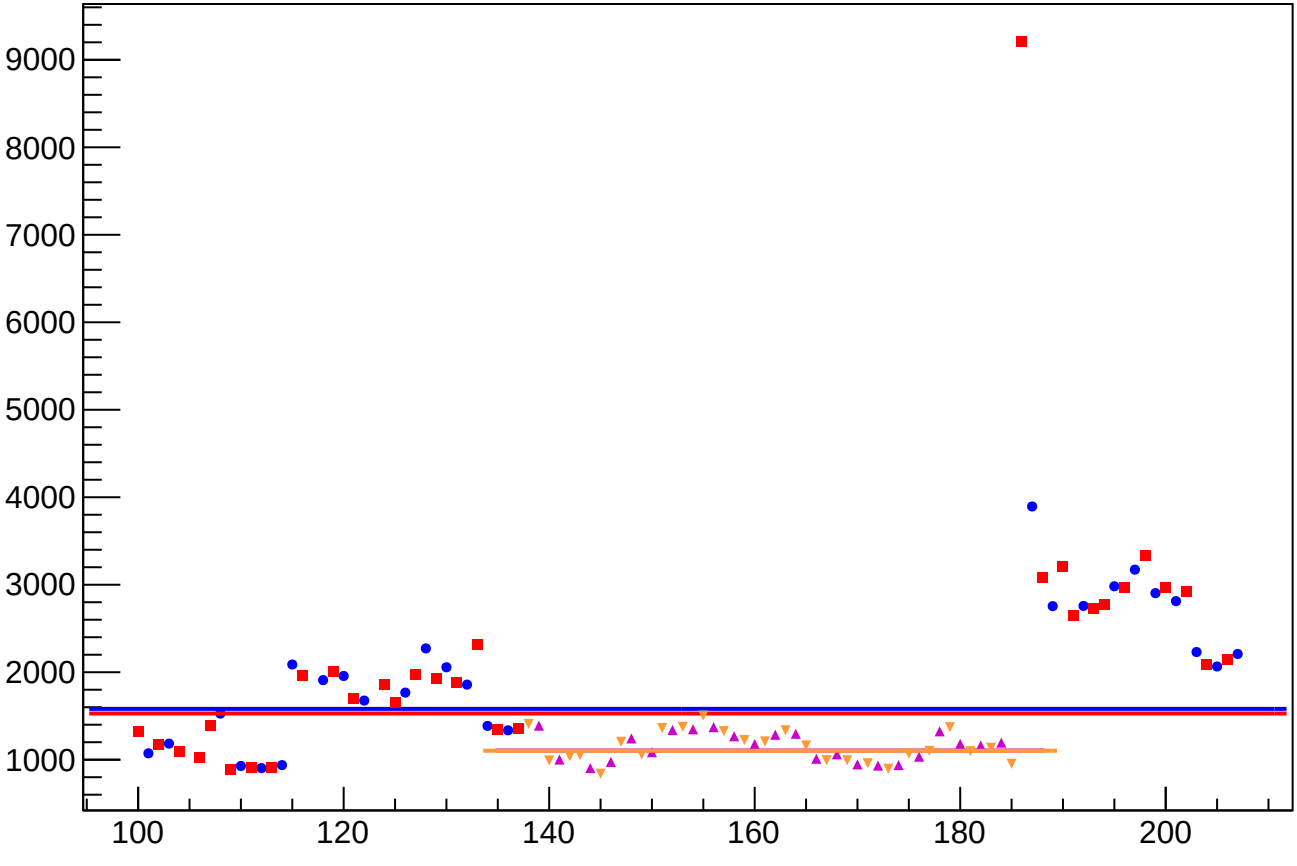
Right: -301.636+/-305.054 χ^2/NDF: 64.8/56

In: 70.416+/-225.264 χ^2/NDF:59.7/48

Out: 669.048+/-217.445 χ^2/NDF:104.0/55

All: 380.301+/-156.448 χ^2/NDF: 167.4/104

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1581.267+/-0.314 χ^2/NDF: 4333753.3/25

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

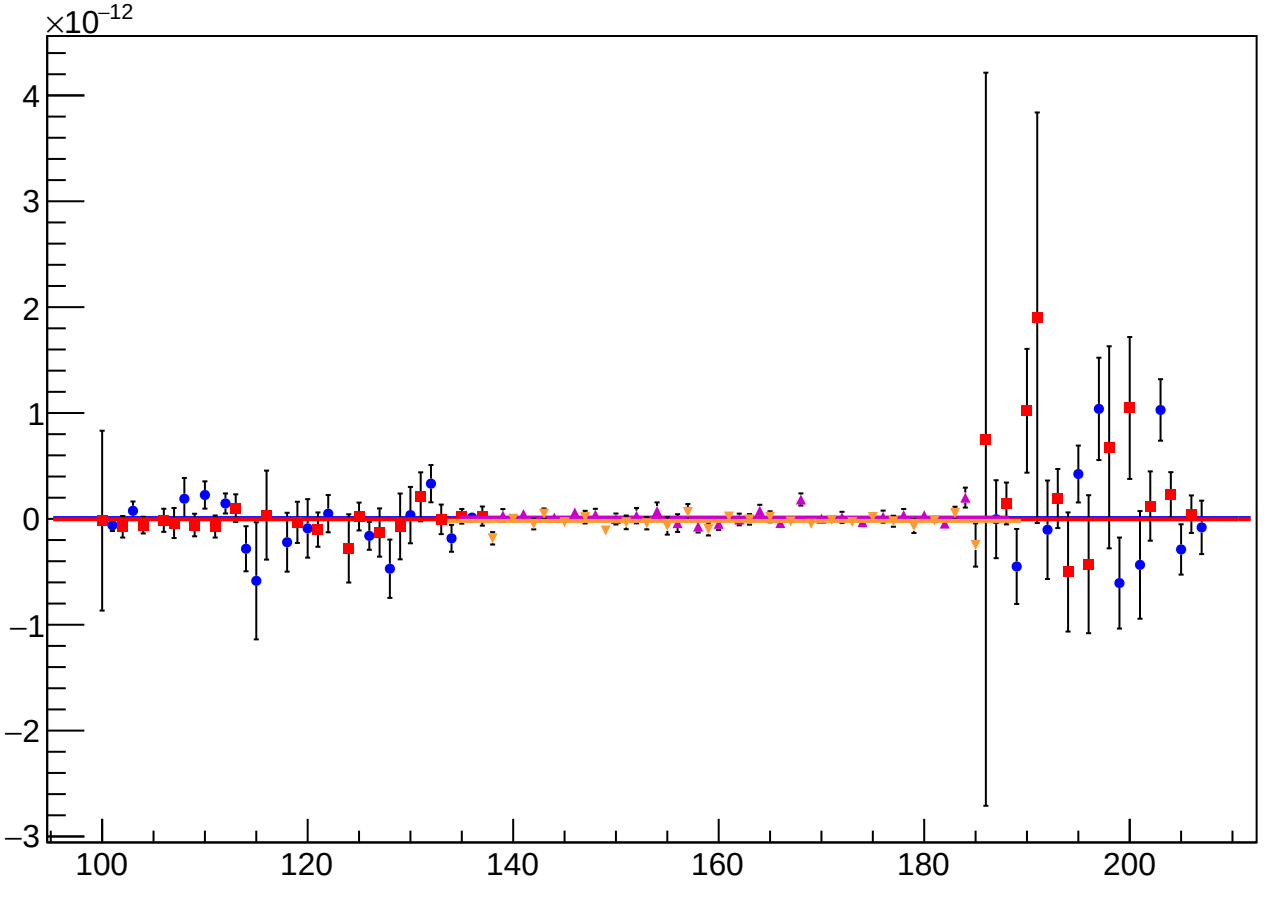
Right: 1553.294+/-0.216 χ^2/NDF: 10511313.1/56

In: 1227.767+/-0.159 χ^2/NDF:6764755.0/48

Out: 1216.839+/-0.154 χ^2/NDF:8546576.7/55

All: 1222.110+/-0.111 χ^2/NDF: 15313768.2/1

asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 47.7/25

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 15.7/30

Left In: 0.000+/-0.000 χ^2/NDF:27.1/22

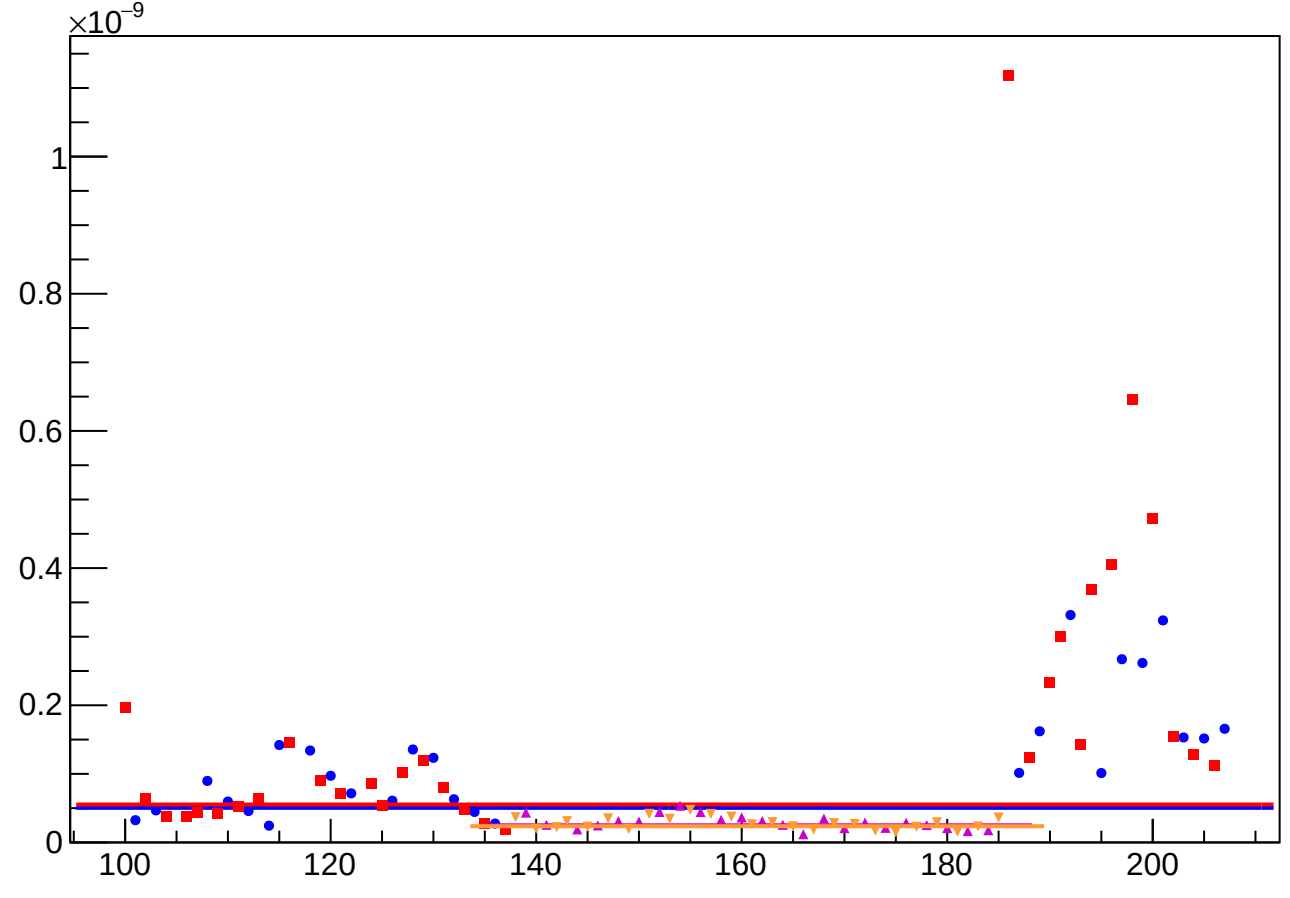
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: 0.000+/-0.000 χ^2/NDF: 63.5/56

In: 0.000+/-0.000 χ^2/NDF:74.9/48

Out: -0.000+/-0.000 χ^2/NDF:42.4/55

All: -0.000+/-0.000 χ^2/NDF: 122.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 5052471.9/25

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

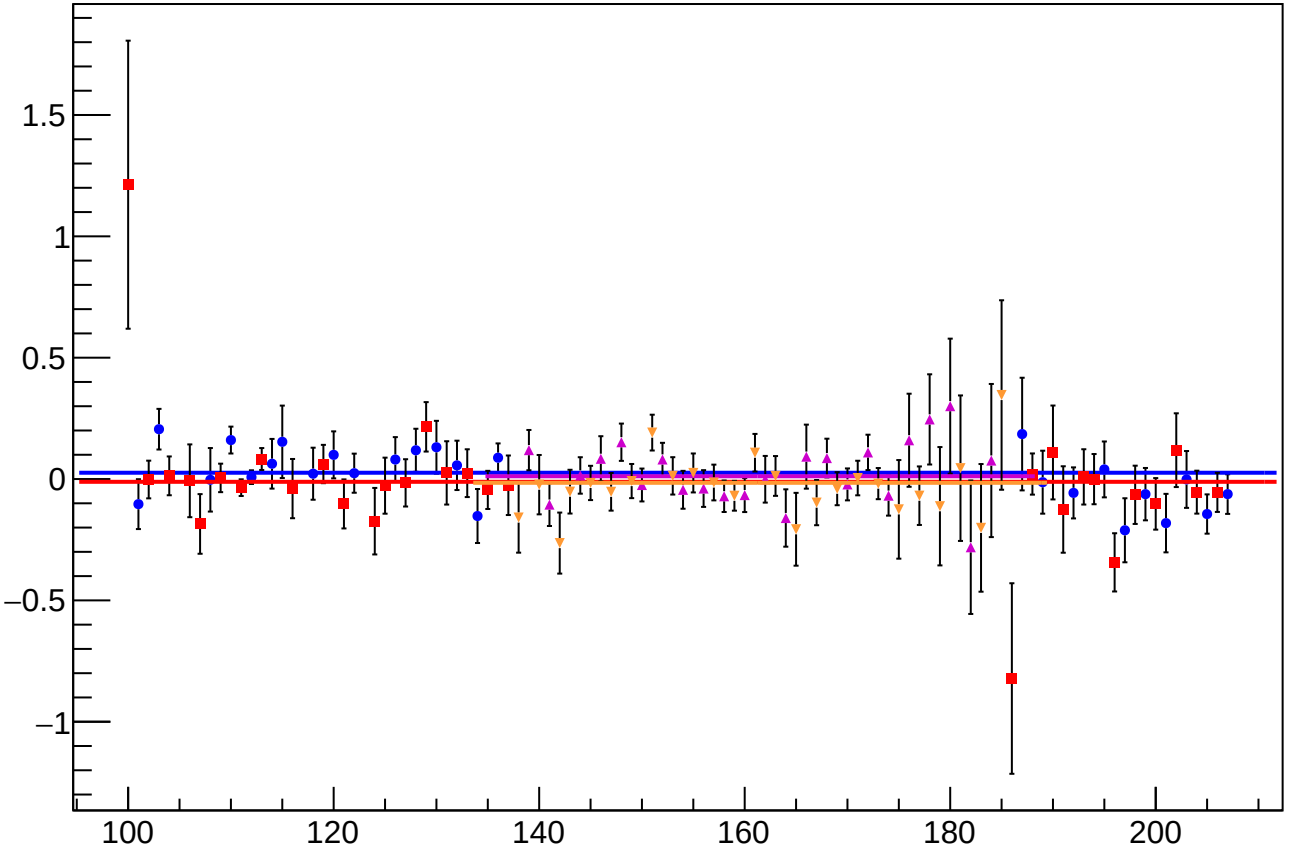
Right: 0.000+/-0.000 χ^2/NDF: 10604229.6/56

In: 0.000+/-0.000 χ^2/NDF:8262431.3/48

Out: 0.000+/-0.000 χ^2/NDF:9318343.7/55

All: 0.000+/-0.000 χ^2/NDF: 17610541.1/104

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.016 χ^2/NDF: 33.8/25

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

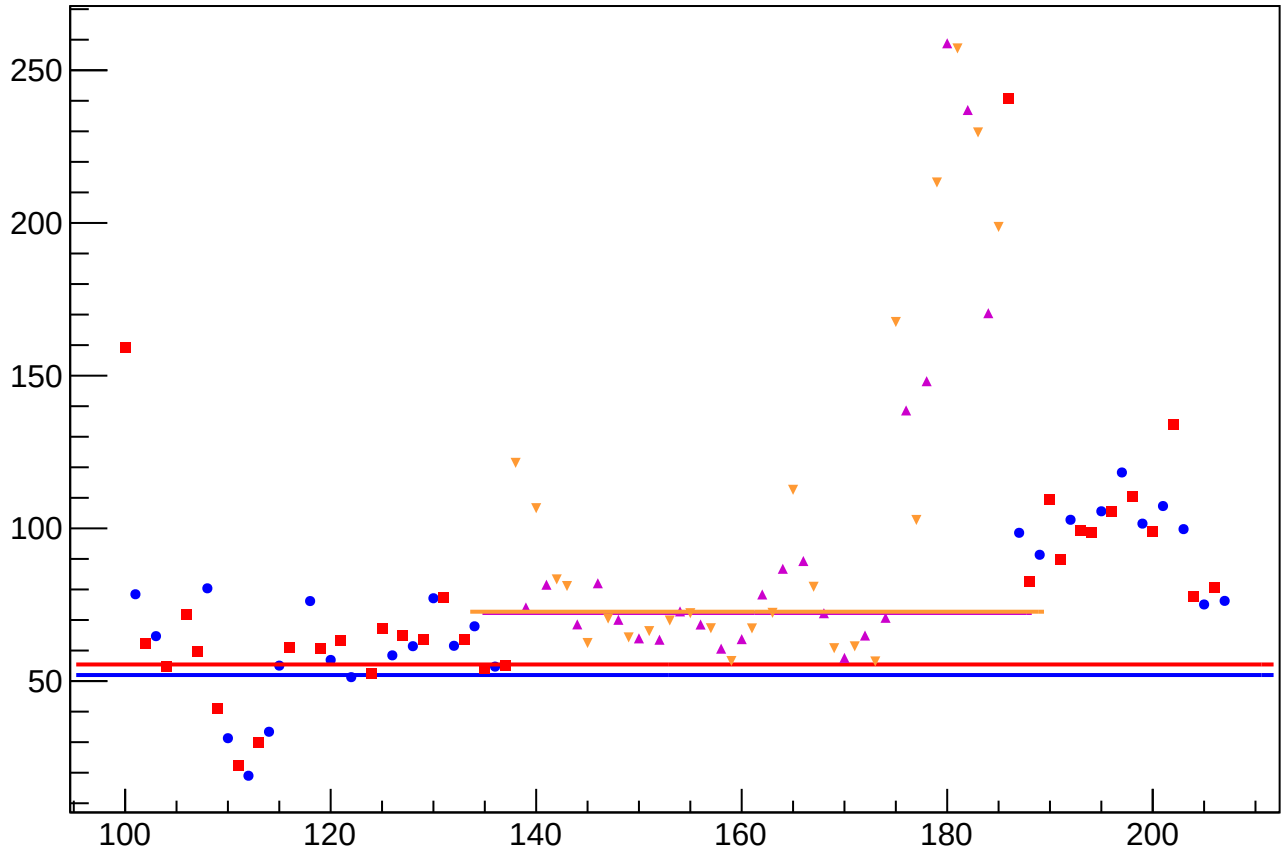
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.007+/-0.011 χ^2/NDF: 71.5/56

In: 0.020+/-0.012 χ^2/NDF:57.5/48

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.003+/-0.008 χ^2/NDF: 117.8/104



Right In: 51.981+/-0.011 χ^2/NDF: 6860816.6/25

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

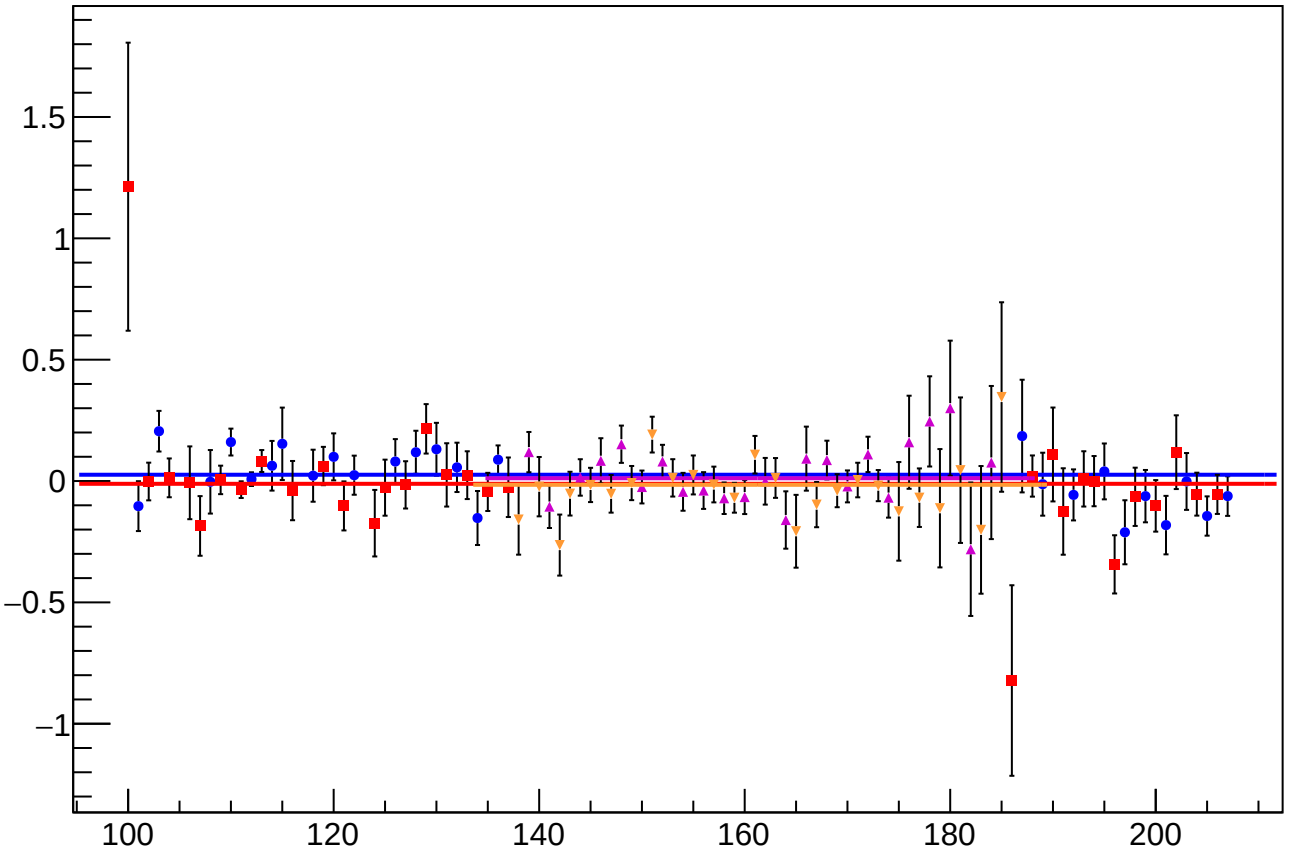
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 53.719+/-0.008 χ^2/NDF: 13284619.1/56

In: 60.692+/-0.008 χ^2/NDF:11066144.0/48

Out: 62.942+/-0.008 χ^2/NDF:11383541.6/55

All: 61.828+/-0.006 χ^2/NDF: 22485467.6/104



Right In: 0.026+/-0.016 χ^2/NDF: 33.8/25

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

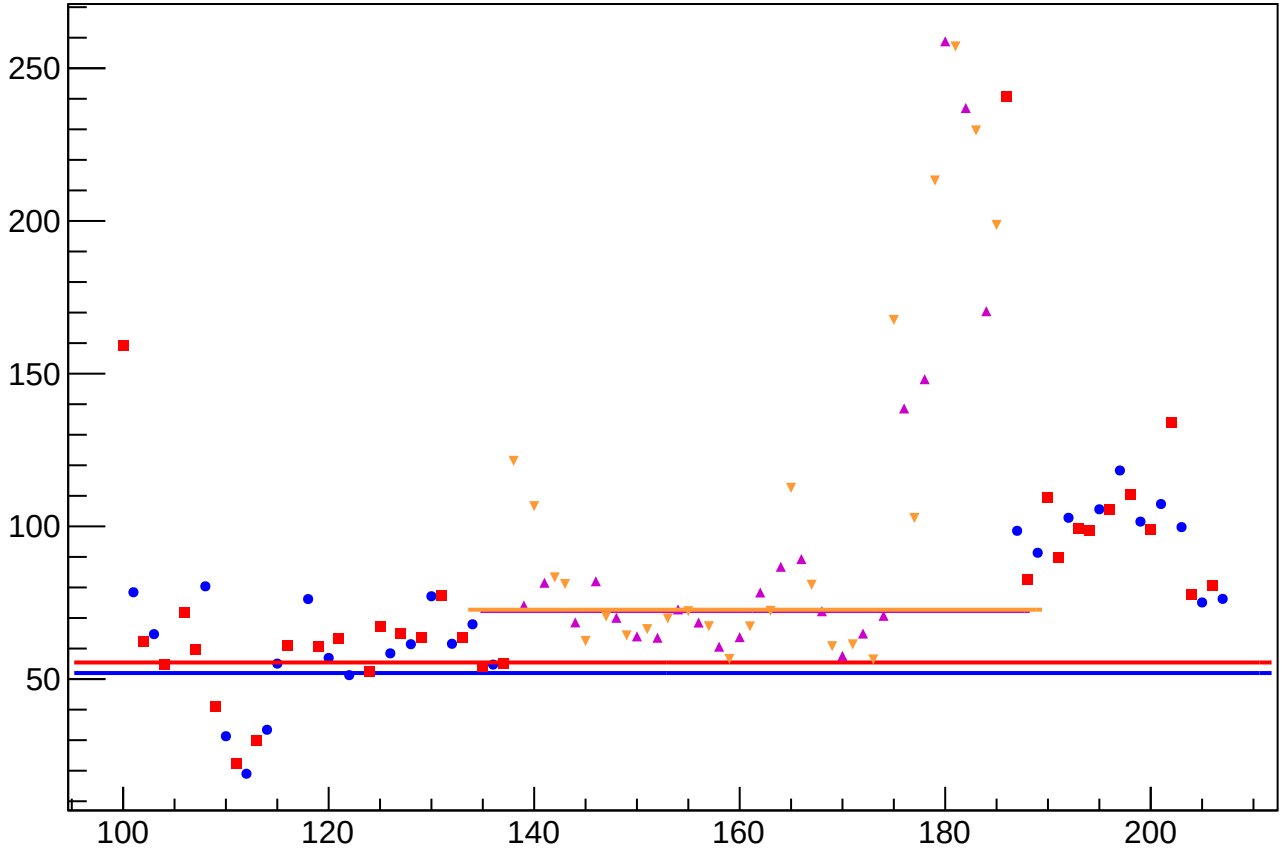
Right: 0.007+/-0.011 χ^2/NDF: 71.5/56

In: 0.020+/-0.012 χ^2/NDF:57.5/48

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.003+/-0.008 χ^2/NDF: 117.8/104

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.981+/-0.011 χ^2/NDF: 6860816.6/25

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

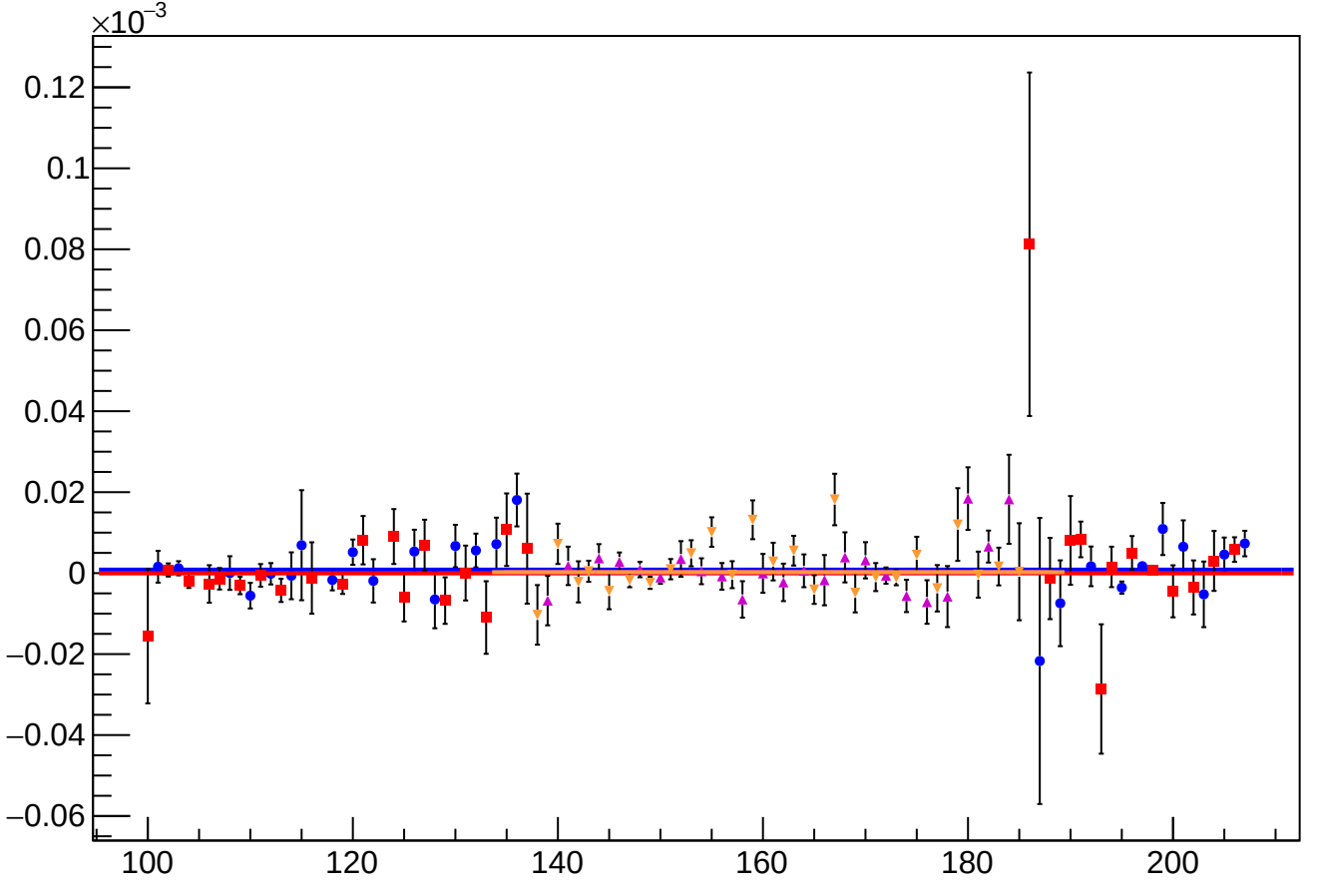
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 53.719+/-0.008 χ^2/NDF: 13284619.1/56

In: 60.692+/-0.008 χ^2/NDF:11066144.0/48

Out: 62.942+/-0.008 χ^2/NDF:11383541.6/55

All: 61.828+/-0.006 χ^2/NDF: 22485467.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/25

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

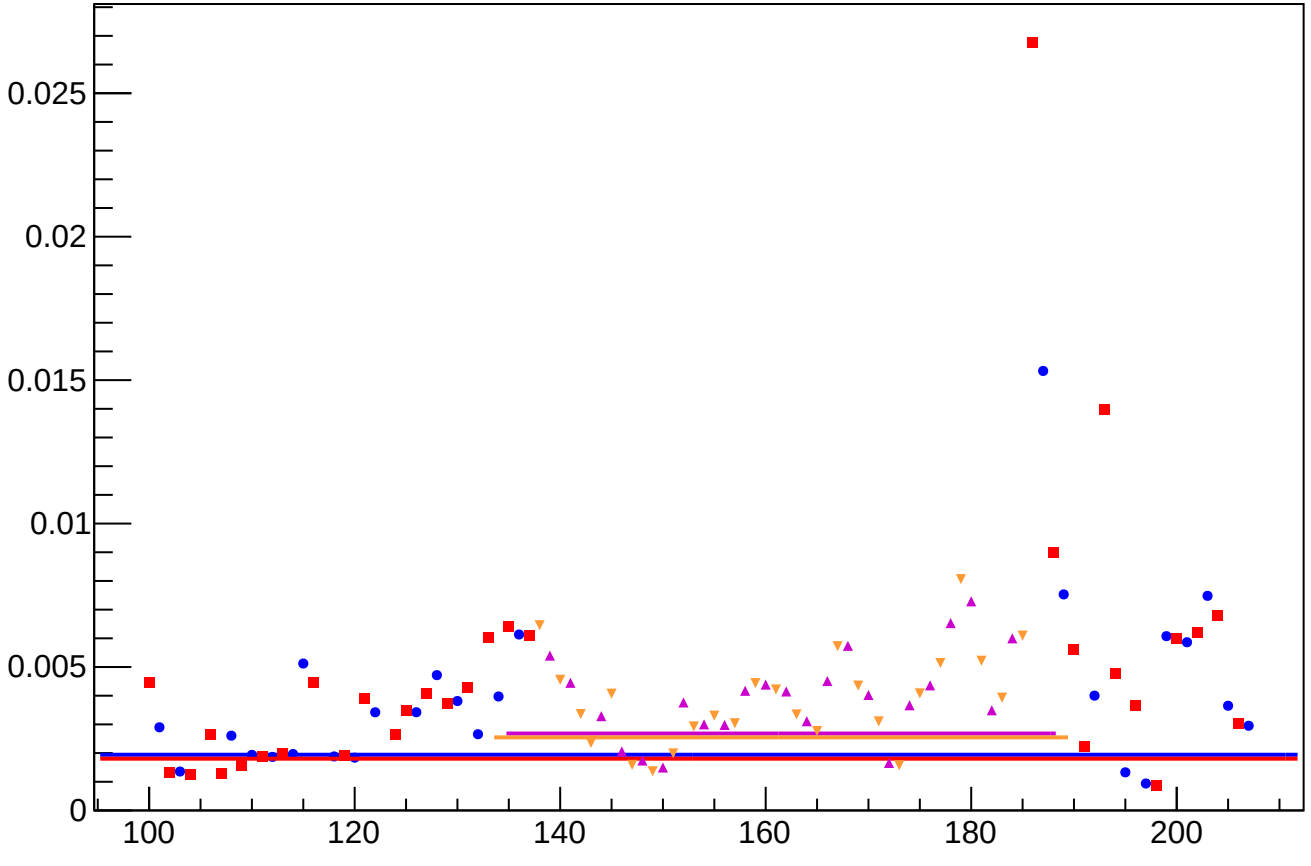
Right: 0.000+/-0.000 χ^2/NDF: 76.2/56

In: 0.000+/-0.000 χ^2/NDF:63.3/48

Out: 0.000+/-0.000 χ^2/NDF:79.6/55

All: 0.000+/-0.000 χ^2/NDF: 143.7/104

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8314854.4/25

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

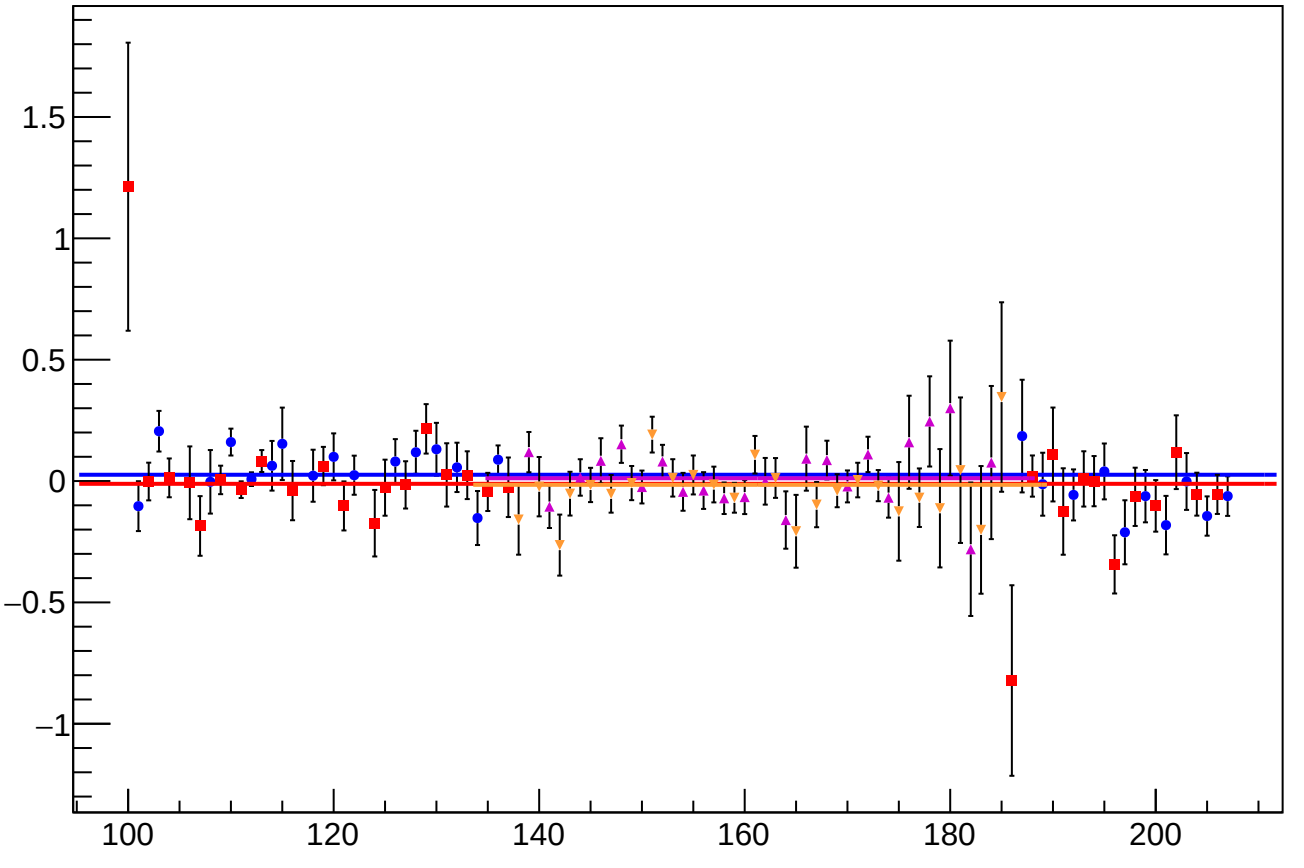
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 20426529.0/56

In: 0.002+/-0.000 χ^2/NDF:16050997.7/48

Out: 0.002+/-0.000 χ^2/NDF:21014009.1/55

All: 0.002+/-0.000 χ^2/NDF: 37157940.6/104



Right In: 0.026+/-0.016 χ^2/NDF: 33.8/25

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

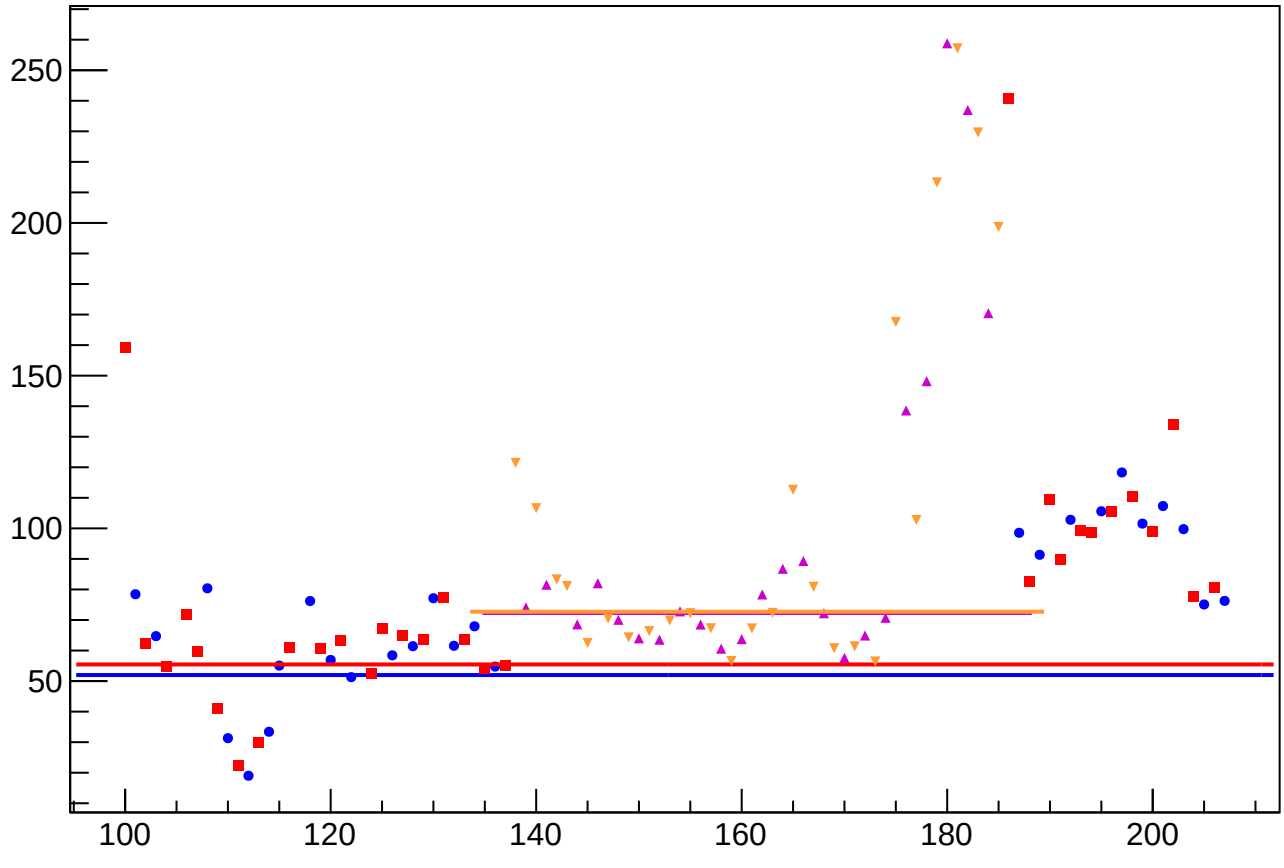
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.007+/-0.011 χ^2/NDF: 71.5/56

In: 0.020+/-0.012 χ^2/NDF:57.5/48

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.003+/-0.008 χ^2/NDF: 117.8/104



Right In: 51.980+/-0.011 χ^2/NDF: 6861060.4/25

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

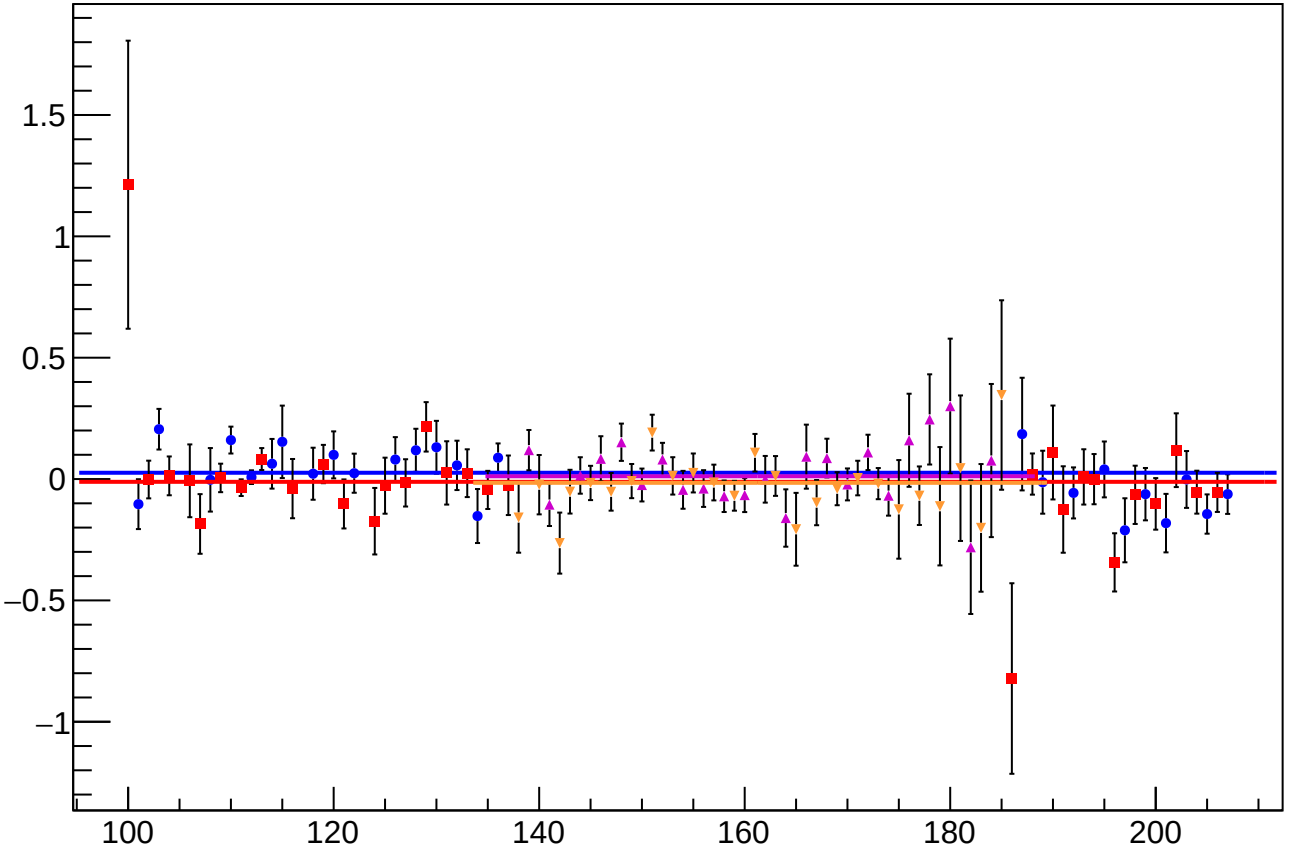
Right: 53.718+/-0.008 χ^2/NDF: 13285179.2/56

In: 60.692+/-0.008 χ^2/NDF:11066545.1/48

Out: 62.942+/-0.008 χ^2/NDF:11383984.7/55

All: 61.828+/-0.006 χ^2/NDF: 22486315.4/104

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.026+/-0.016 χ^2/NDF: 33.8/25

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

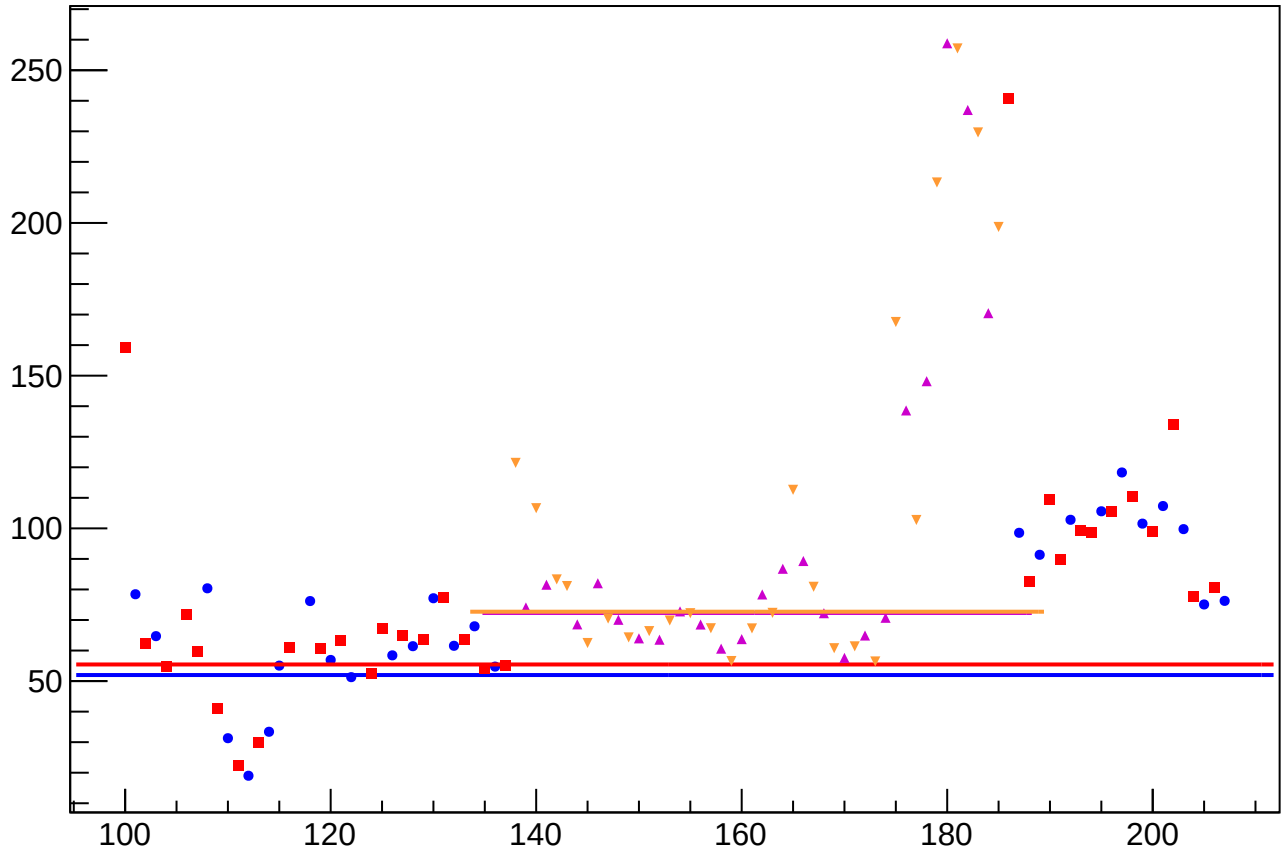
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.007+/-0.011 χ^2/NDF: 71.5/56

In: 0.020+/-0.012 χ^2/NDF:57.5/48

Out: -0.013+/-0.012 χ^2/NDF:56.5/55

All: 0.003+/-0.008 χ^2/NDF: 117.8/104



Right In: 51.980+/-0.011 χ^2/NDF: 6861060.4/25

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

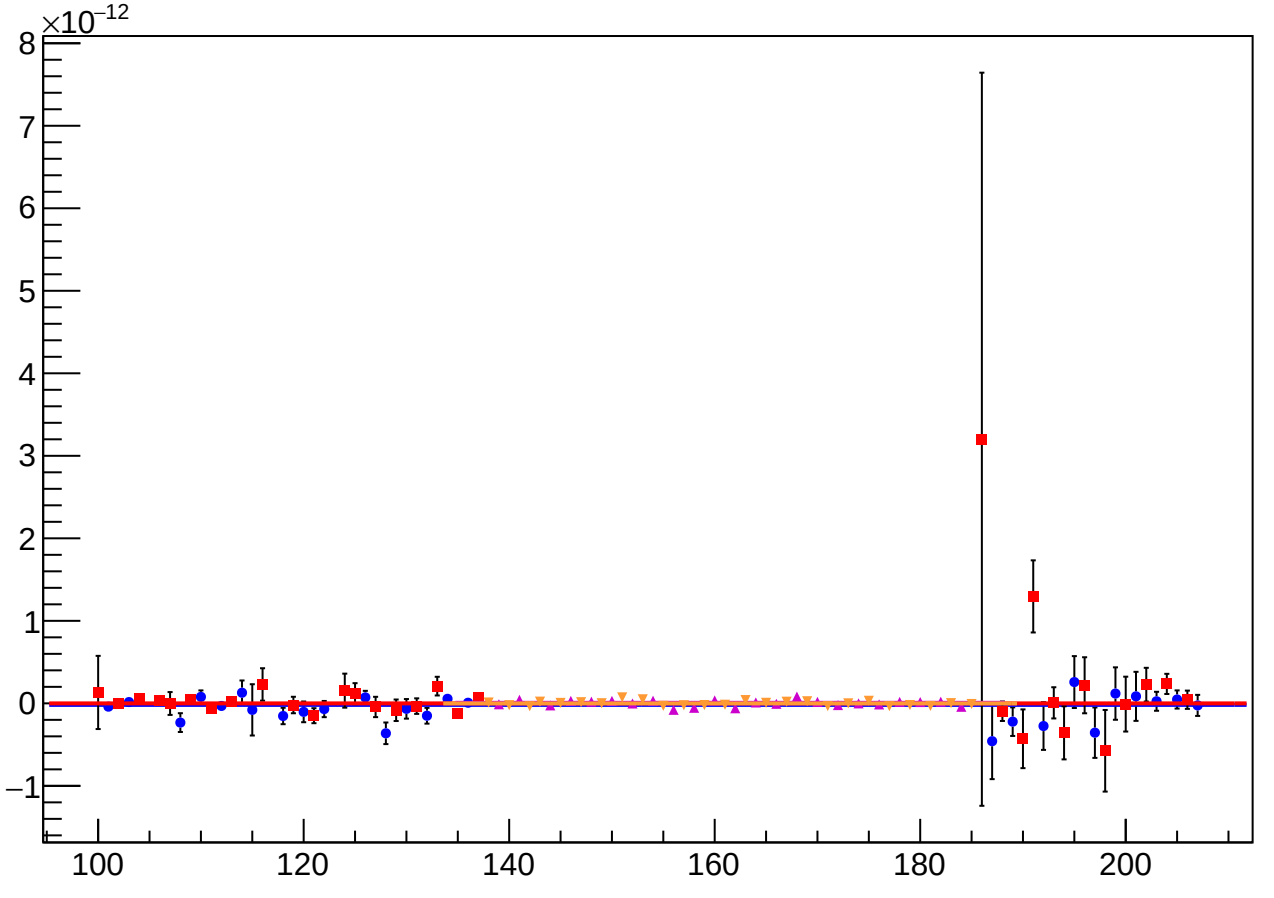
Right: 53.718+/-0.008 χ^2/NDF: 13285179.2/56

In: 60.692+/-0.008 χ^2/NDF:11066545.1/48

Out: 62.942+/-0.008 χ^2/NDF:11383984.7/55

All: 61.828+/-0.006 χ^2/NDF: 22486315.4/104

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/25

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

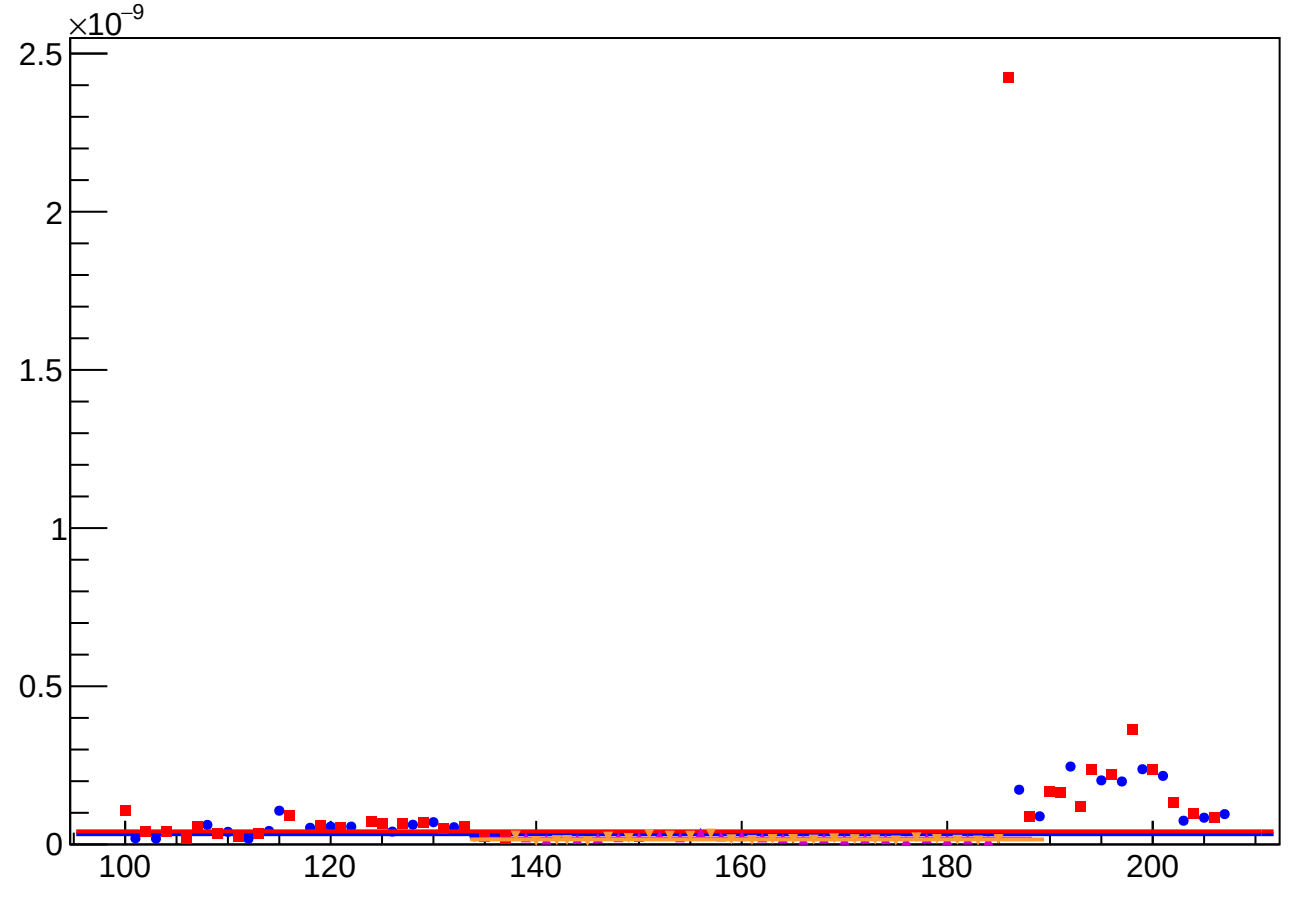
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 72.5/56

In: 0.000+/-0.000 χ^2/NDF:69.9/48

Out: -0.000+/-0.000 χ^2/NDF:70.8/55

All: 0.000+/-0.000 χ^2/NDF: 141.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 7529633.5/25

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

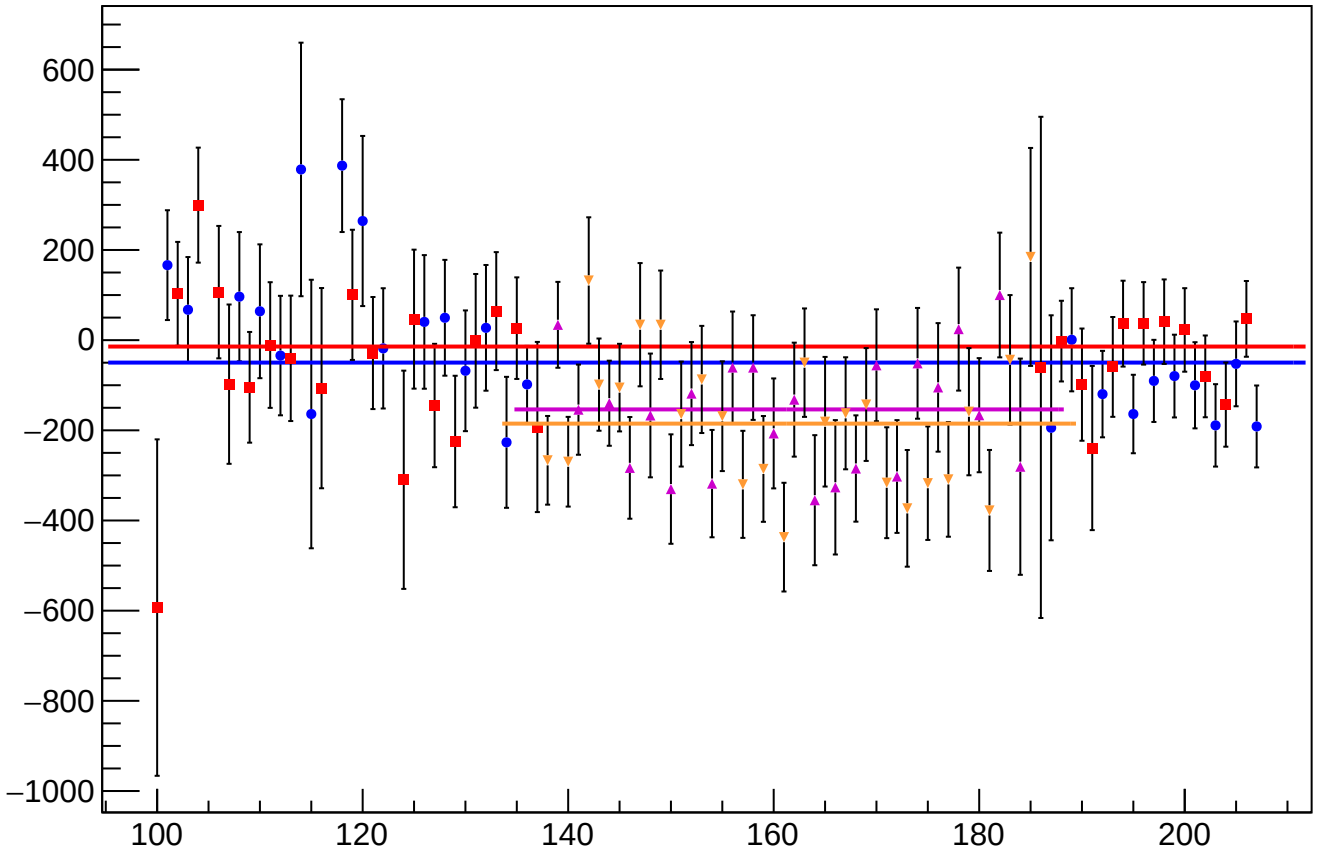
Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

Right: 0.000+/-0.000 χ^2/NDF: 15479232.8/56

In: 0.000+/-0.000 χ^2/NDF:11003866.0/48

Out: 0.000+/-0.000 χ^2/NDF:14634603.0/55

All: 0.000+/-0.000 χ^2/NDF: 25849033.0/104



Right In: -49.771+/-23.065 χ^2/NDF: 31.1/25

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

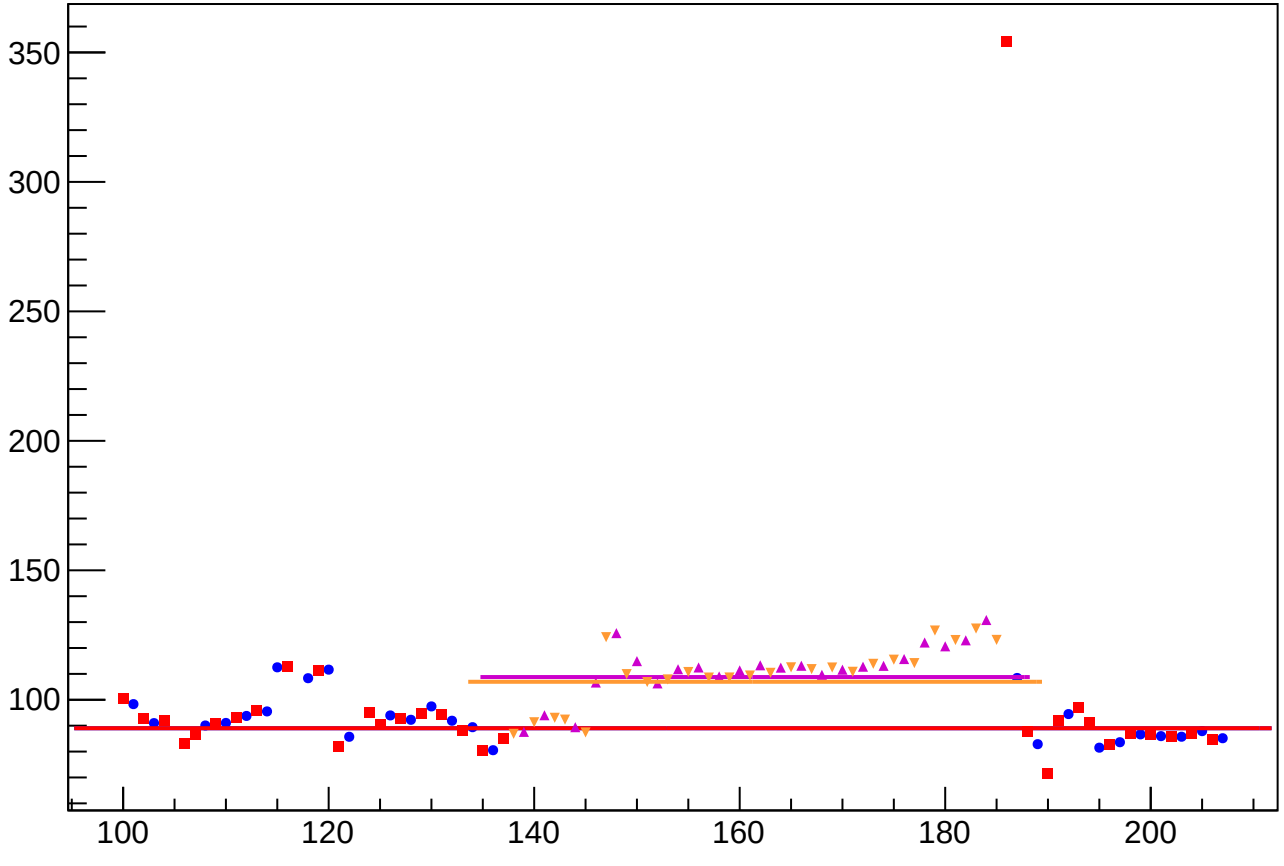
Right: -31.267+/-15.976 χ^2/NDF: 56.4/56

In: -96.428+/-17.117 χ^2/NDF:63.7/48

Out: -91.252+/-16.416 χ^2/NDF:84.0/55

All: -93.732+/-11.848 χ^2/NDF: 147.7/104

reg_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.997+/-0.016 χ^2/NDF: 181453.1/25

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

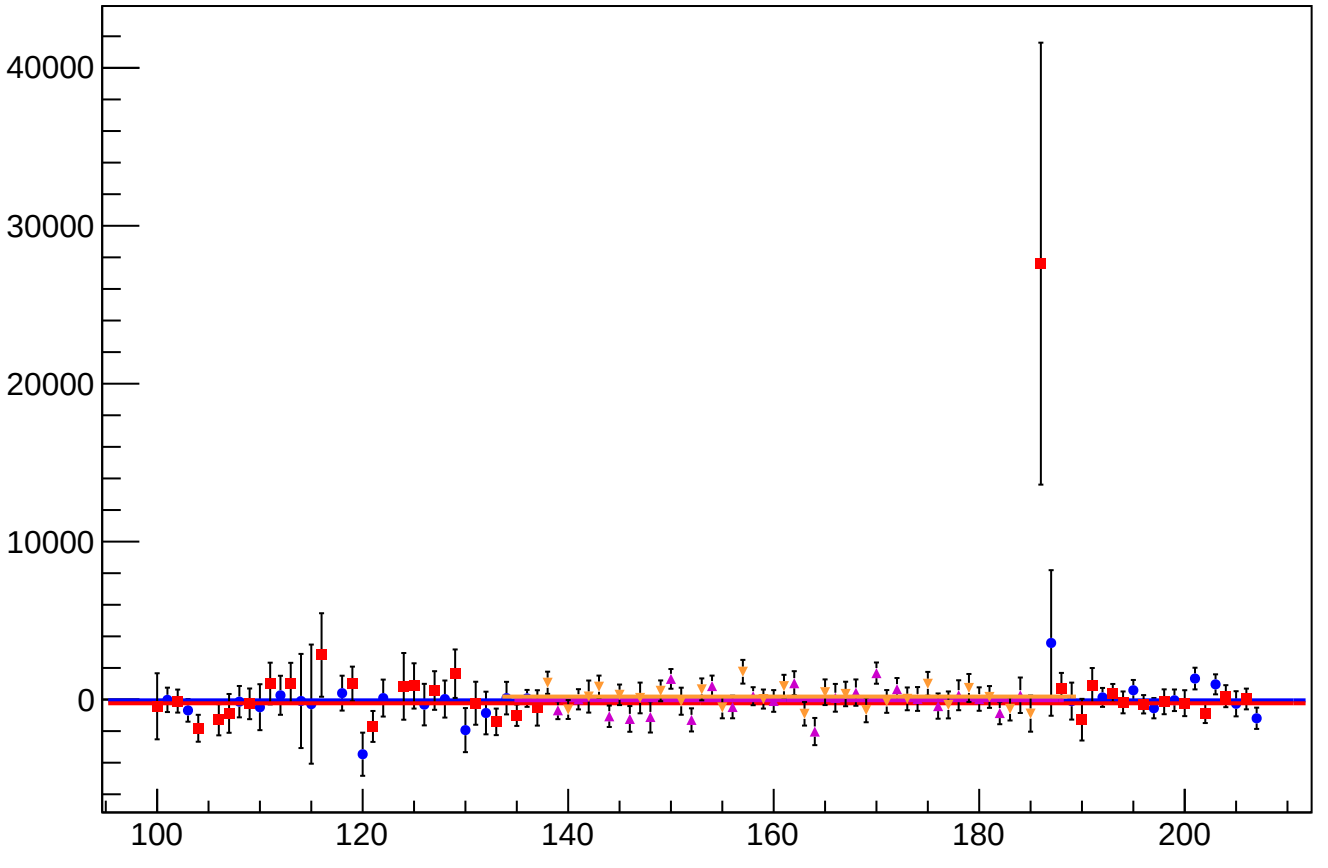
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.009+/-0.011 χ^2/NDF: 824496.1/56

In: 97.884+/-0.012 χ^2/NDF:1200952.6/48

Out: 97.103+/-0.012 χ^2/NDF:1698225.2/55

All: 97.478+/-0.008 χ^2/NDF: 2901346.5/104



Right In: -52.100+/-172.248 χ^2/NDF: 21.5/25

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

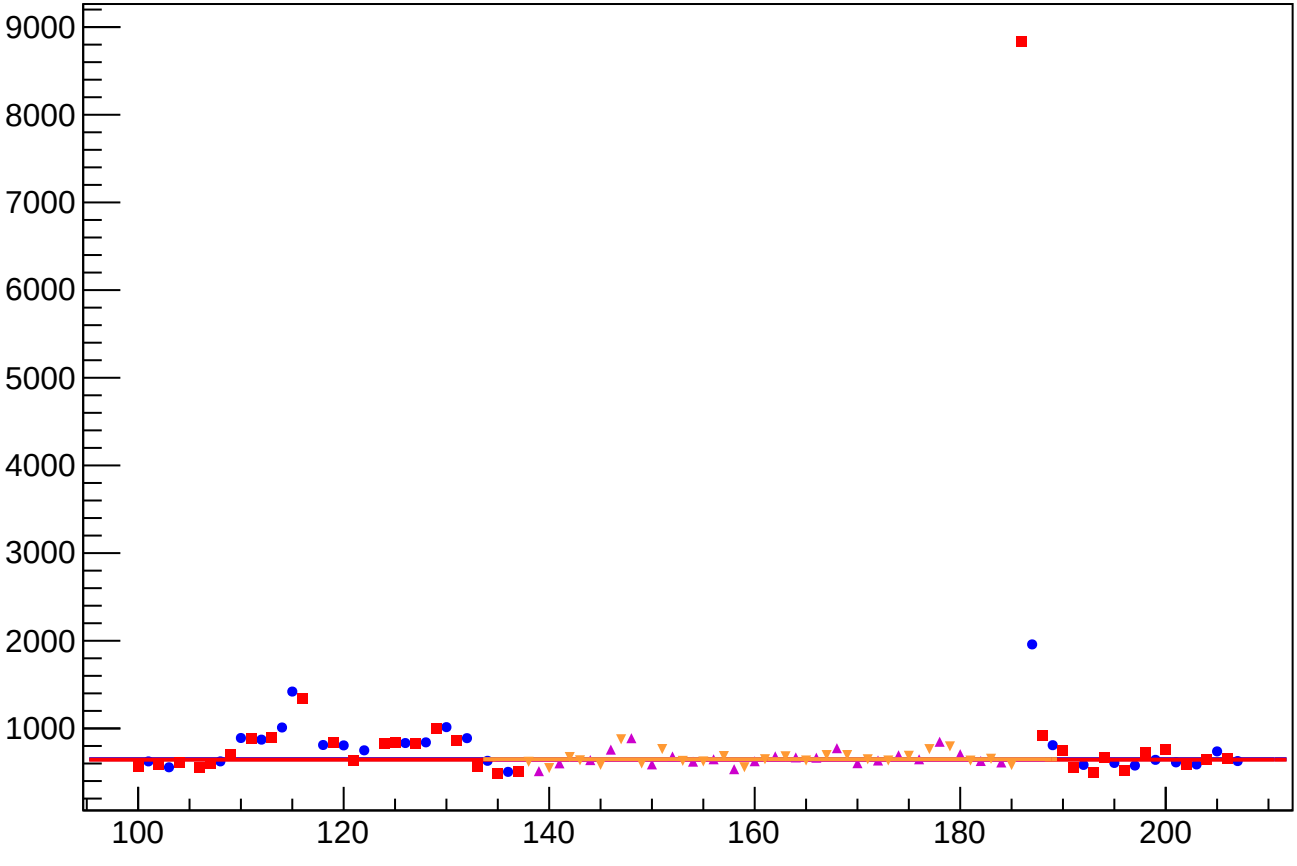
Right: -148.970+/-119.144 χ^2/NDF: 49.2/56

In: -47.126+/-113.995 χ^2/NDF:55.2/48

Out: -3.899+/-110.504 χ^2/NDF:49.8/55

All: -24.840+/-79.343 χ^2/NDF: 105.1/104

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 649.587+/-0.122 χ^2/NDF: 1101353.3/25

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

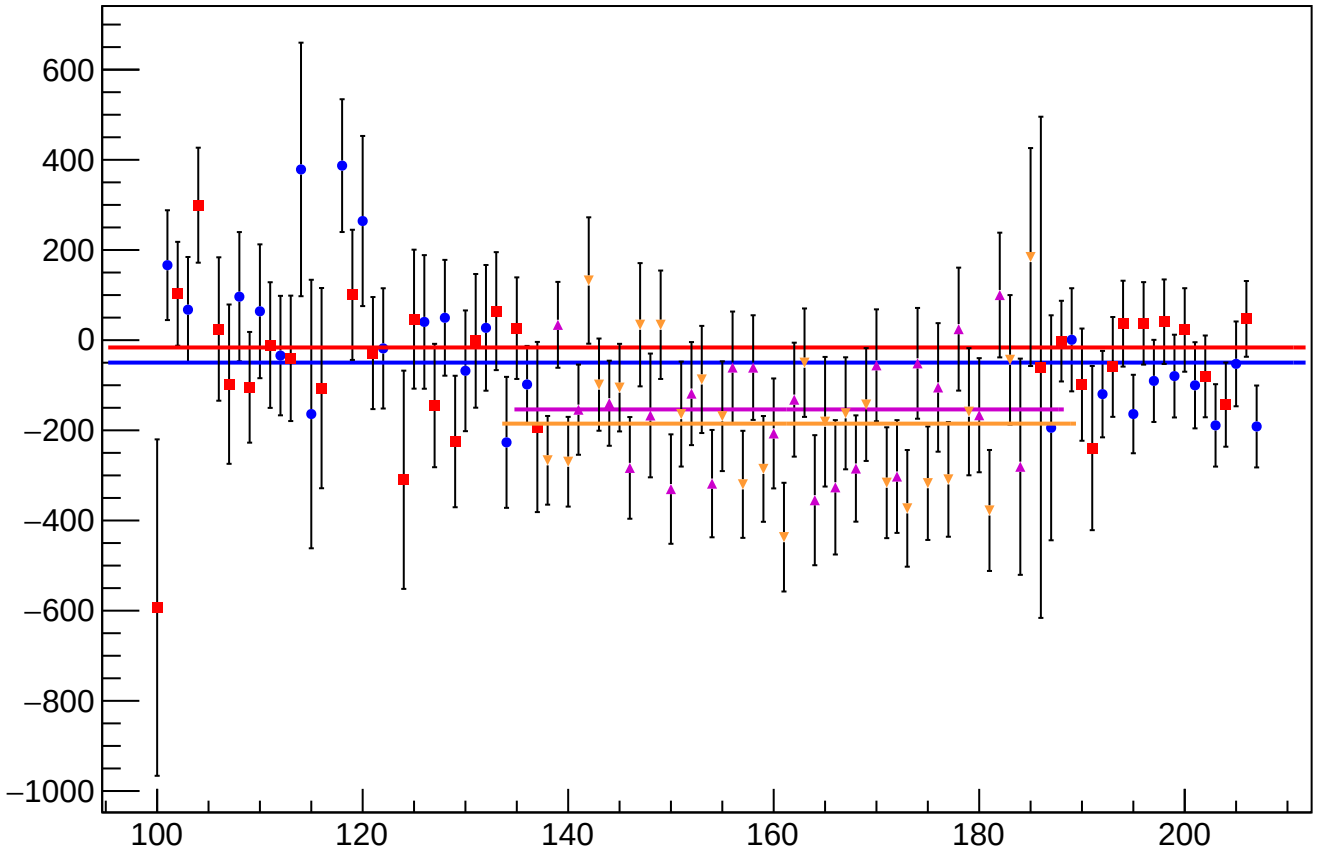
Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

Right: 646.558+/-0.084 χ^2/NDF: 3069406.7/56

In: 646.488+/-0.081 χ^2/NDF:1661625.3/48

Out: 646.762+/-0.078 χ^2/NDF:2386417.9/55

All: 646.629+/-0.056 χ^2/NDF: 4048049.2/104



Right In: -49.767+/-23.065 χ^2/NDF: 31.1/25

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

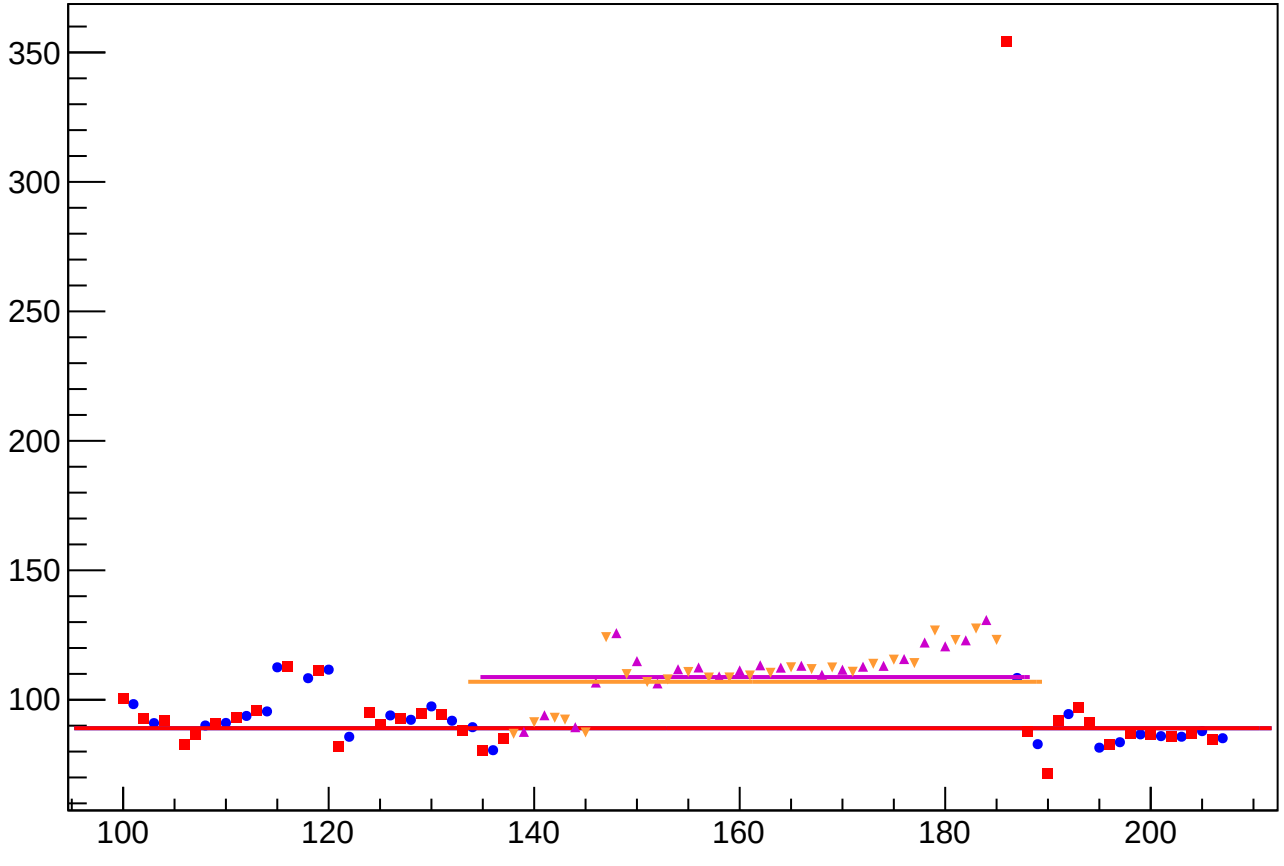
Right: -32.334+/-15.990 χ^2/NDF: 55.7/56

In: -96.428+/-17.117 χ^2/NDF:63.7/48

Out: -92.492+/-16.432 χ^2/NDF:82.7/55

All: -94.380+/-11.854 χ^2/NDF: 146.4/104

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.997+/-0.016 χ^2/NDF: 181453.2/25

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

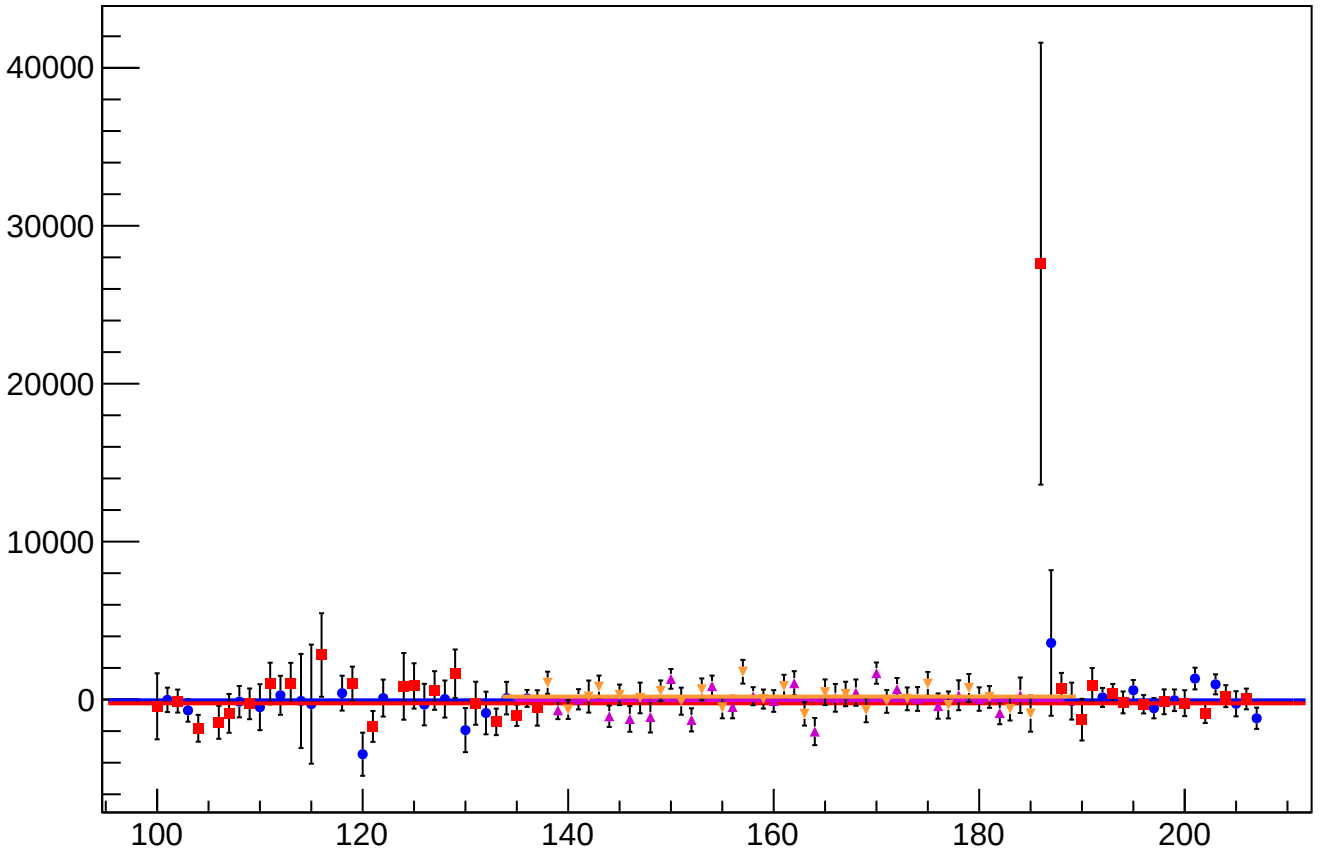
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.013+/-0.011 χ^2/NDF: 824559.9/56

In: 97.884+/-0.012 χ^2/NDF:1200952.6/48

Out: 97.123+/-0.012 χ^2/NDF:1696792.7/55

All: 97.488+/-0.008 χ^2/NDF: 2899802.7/104



Right In: -52.101+/-172.248 χ^2/NDF: 21.5/25

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

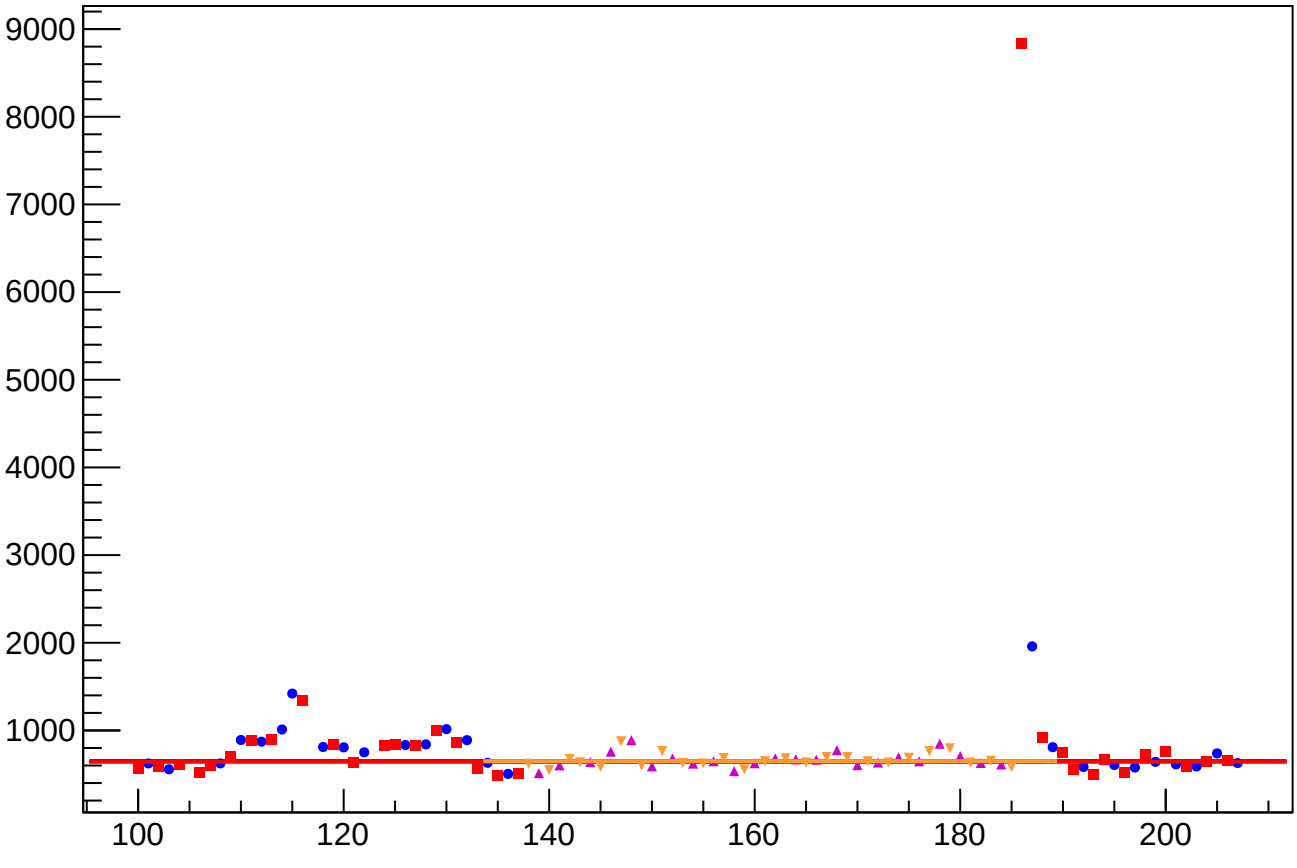
Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

Right: -149.362+/-119.235 χ^2/NDF: 49.4/56

In: -47.127+/-113.995 χ^2/NDF:55.2/48

Out: -4.049+/-110.576 χ^2/NDF:50.0/55

All: -24.933+/-79.370 χ^2/NDF: 105.3/104



Right In: 649.587+/-0.122 χ^2/NDF: 1101353.9/25

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

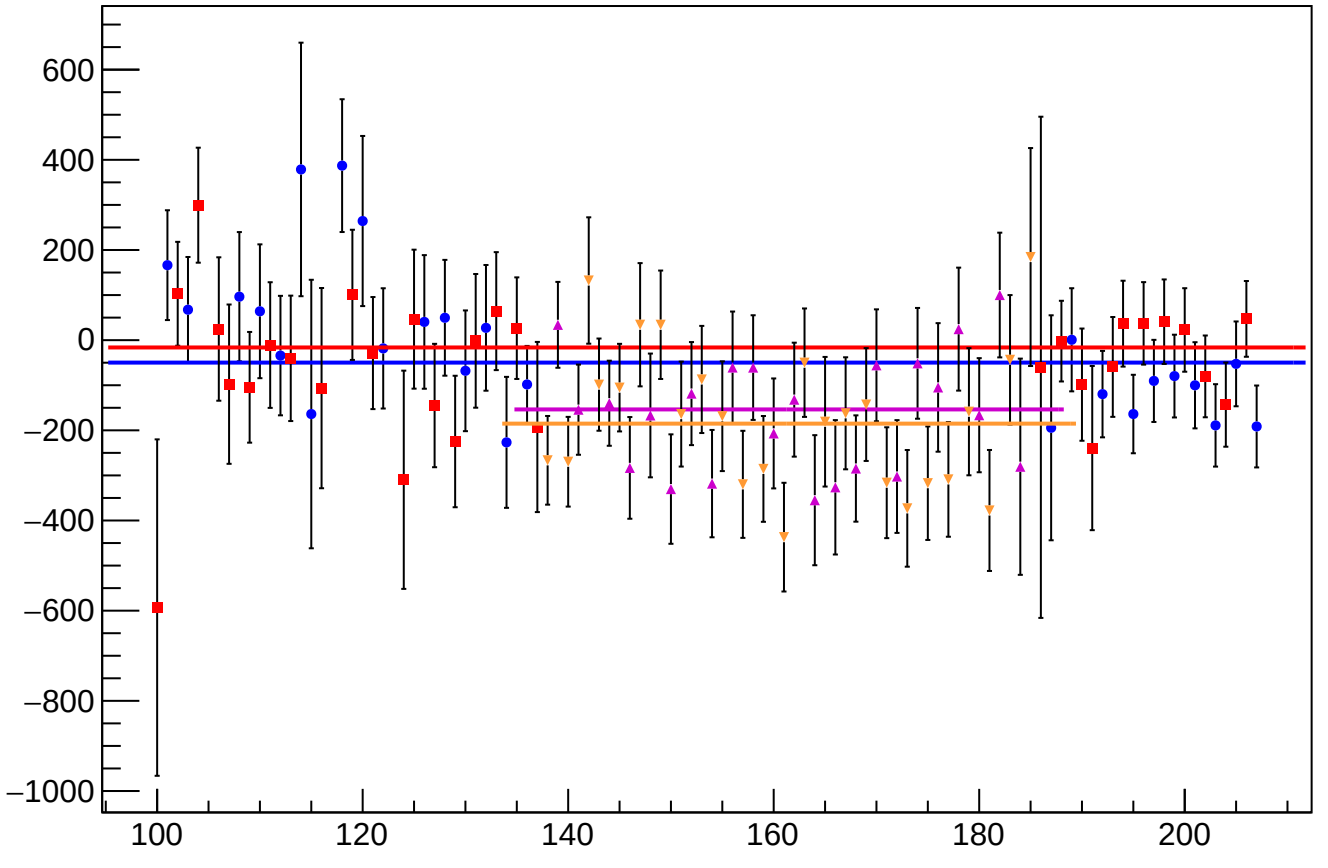
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.340+/-0.084 χ^2/NDF: 3078705.8/56

In: 646.488+/-0.081 χ^2/NDF:1661627.0/48

Out: 646.575+/-0.078 χ^2/NDF:2395730.8/55

All: 646.532+/-0.056 χ^2/NDF: 4057358.3/104



Right In: -49.767+/-23.065 χ^2/NDF: 31.1/25

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

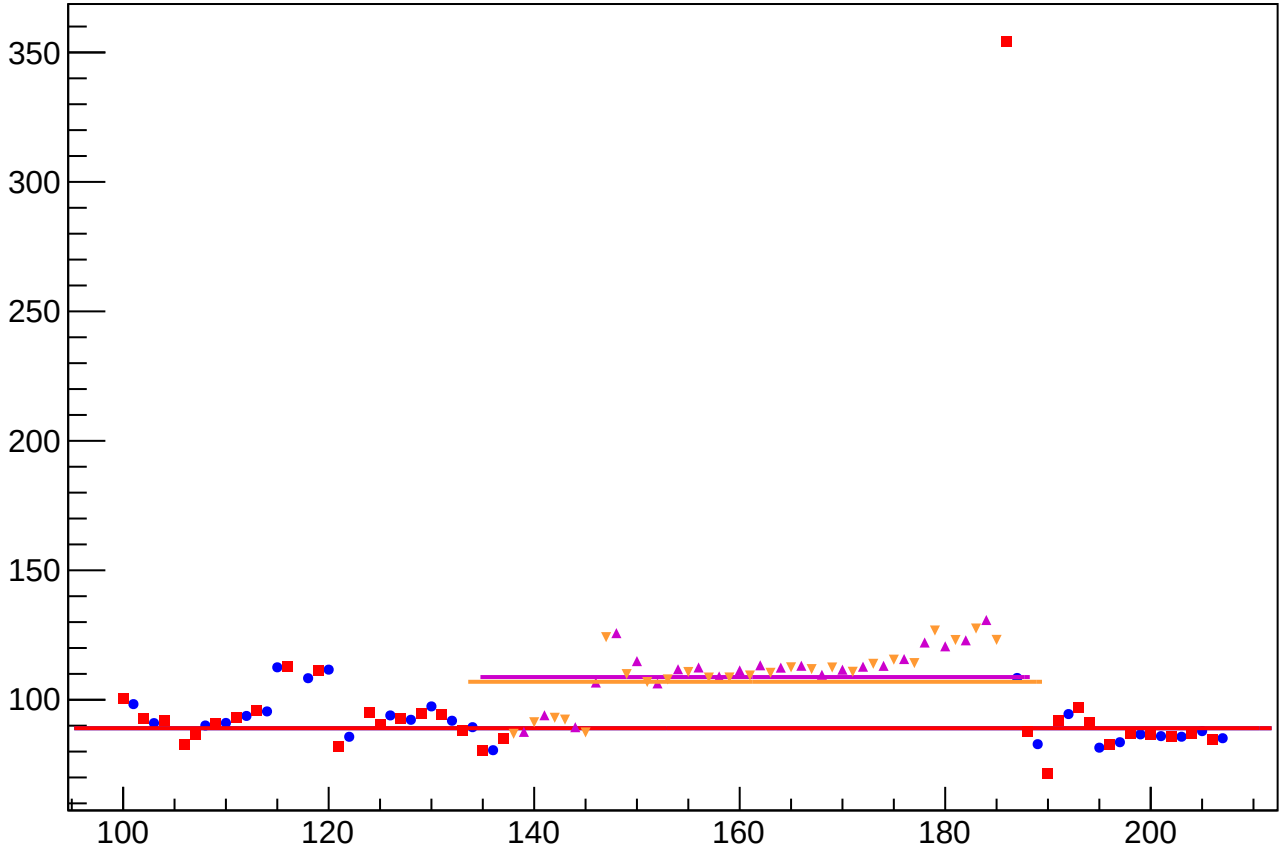
Right: -32.334+/-15.990 χ^2/NDF: 55.7/56

In: -96.428+/-17.117 χ^2/NDF:63.7/48

Out: -92.492+/-16.432 χ^2/NDF:82.7/55

All: -94.380+/-11.854 χ^2/NDF: 146.4/104

eigen_cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 88.997+/-0.016 χ^2/NDF: 181453.2/25

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

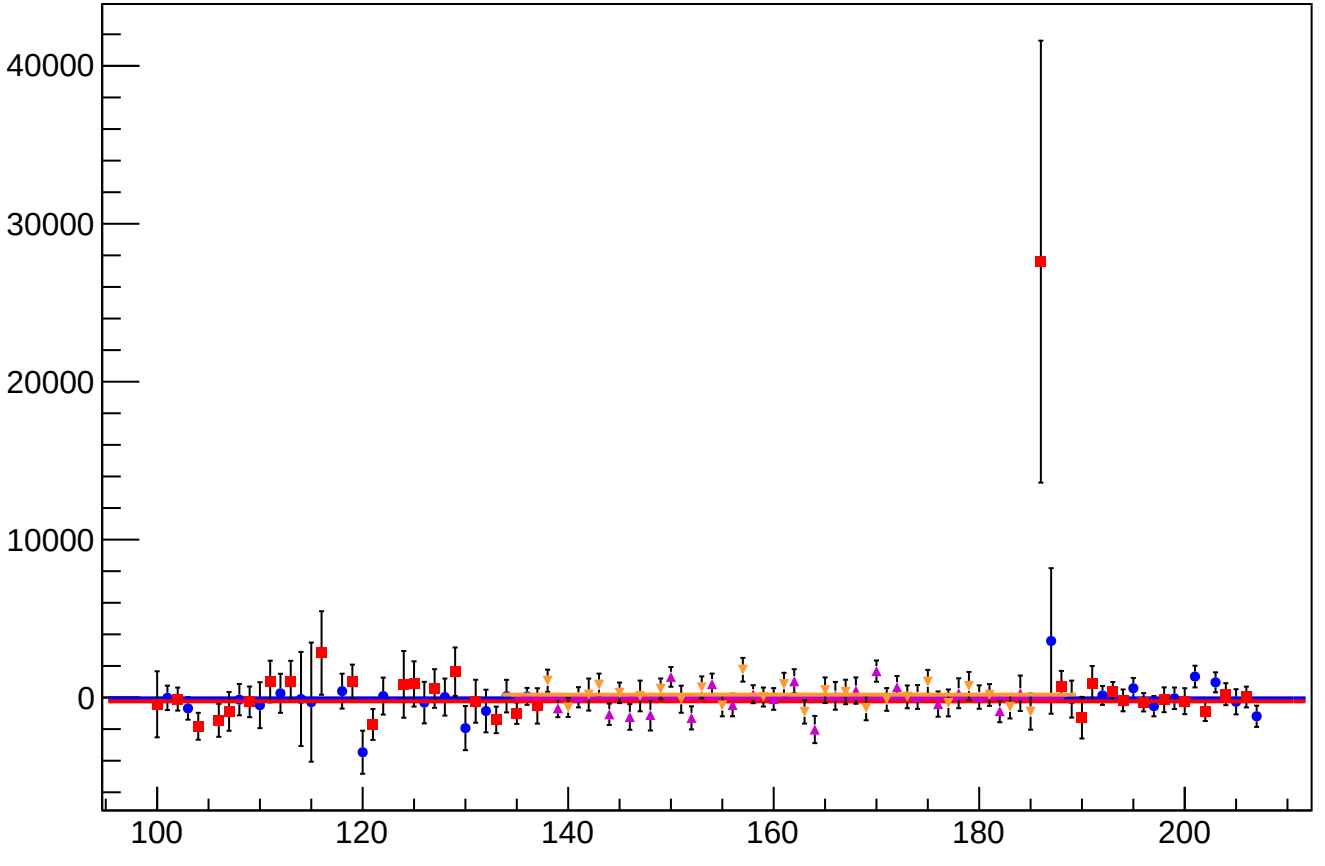
Right: 89.013+/-0.011 χ^2/NDF: 824559.9/56

In: 97.884+/-0.012 χ^2/NDF:1200952.6/48

Out: 97.123+/-0.012 χ^2/NDF:1696792.7/55

All: 97.488+/-0.008 χ^2/NDF: 2899802.7/104

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -52.101+/-172.248 χ^2/NDF: 21.5/25

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

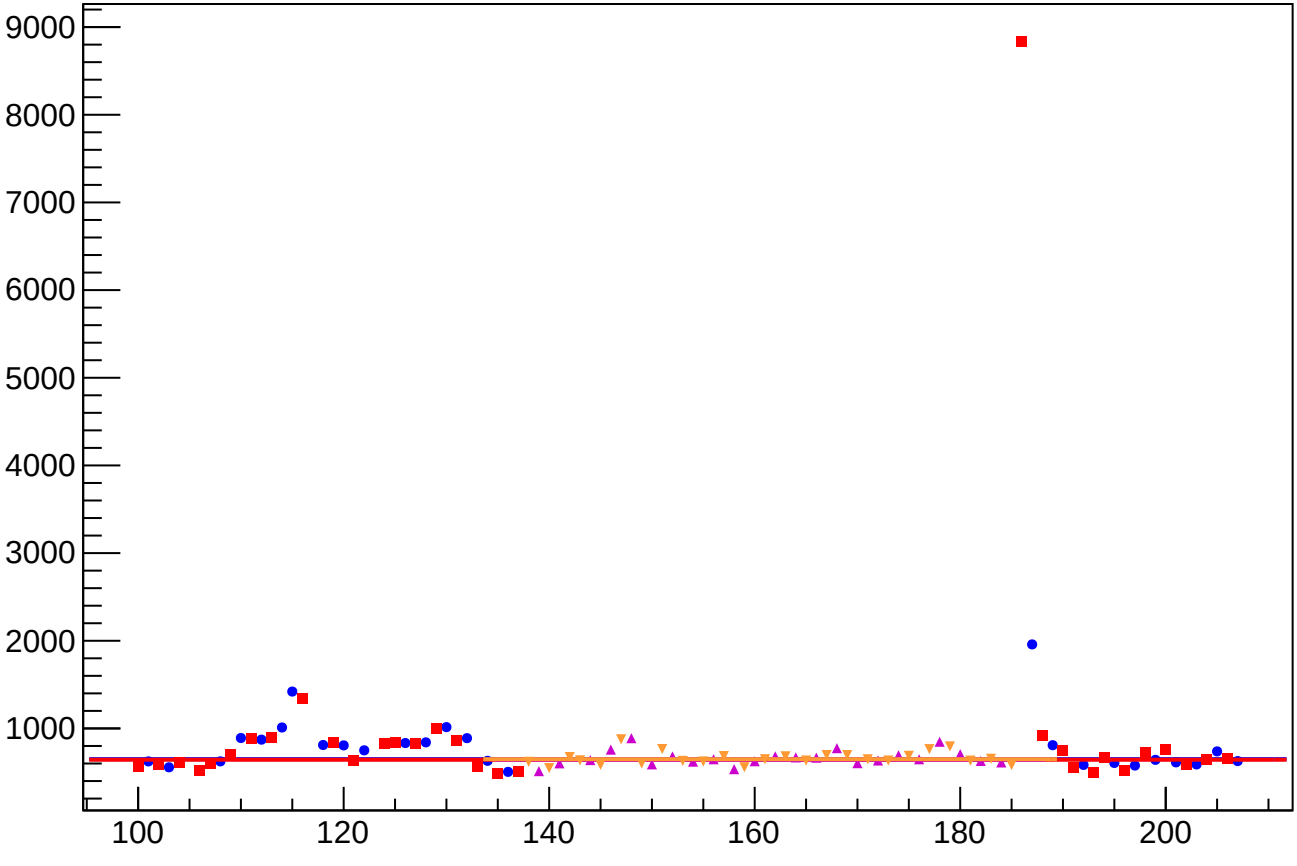
Right: -149.362+/-119.235 χ^2/NDF: 49.4/56

In: -47.127+/-113.995 χ^2/NDF:55.2/48

Out: -4.049+/-110.576 χ^2/NDF:50.0/55

All: -24.933+/-79.370 χ^2/NDF: 105.3/104

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 649.587+/-0.122 χ^2/NDF: 1101353.9/25

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

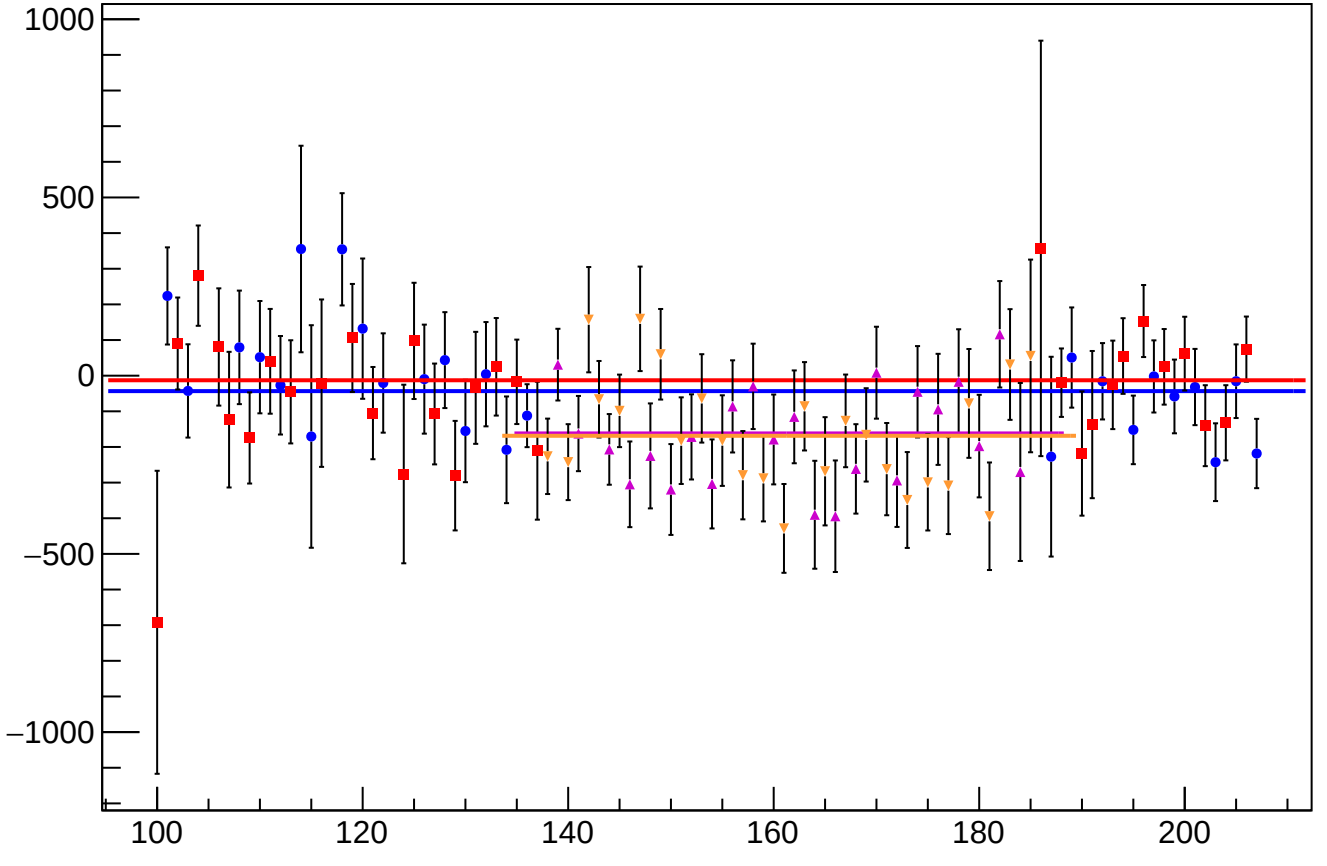
Right: 646.340+/-0.084 χ^2/NDF: 3078705.8/56

In: 646.488+/-0.081 χ^2/NDF:1661627.0/48

Out: 646.575+/-0.078 χ^2/NDF:2395730.8/55

All: 646.532+/-0.056 χ^2/NDF: 4057358.3/104

dit_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -43.319+/-25.231 χ^2/NDF: 26.2/25

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

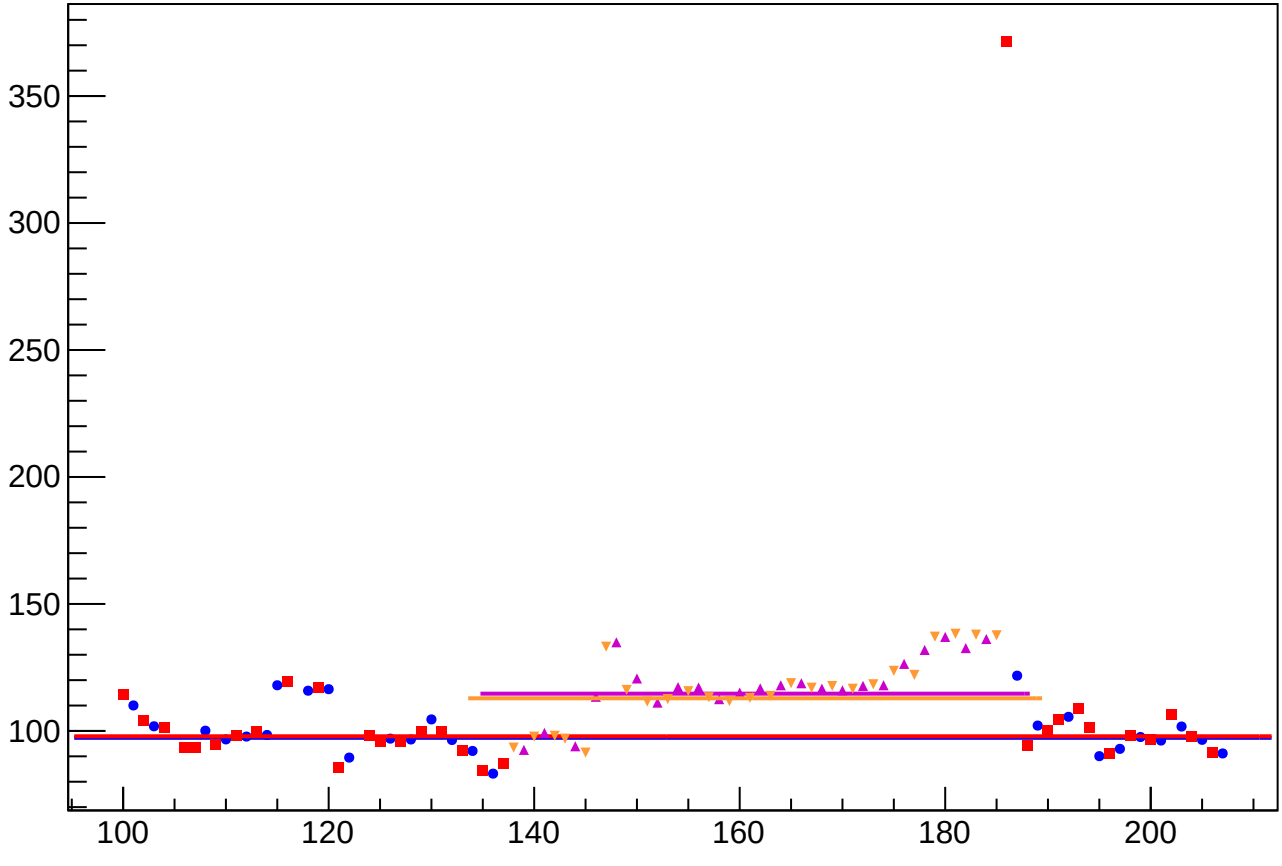
Right: -27.577+/-17.528 χ^2/NDF: 53.6/56

In: -98.772+/-18.418 χ^2/NDF:60.1/48

Out: -86.267+/-17.722 χ^2/NDF:78.3/55

All: -92.279+/-12.770 χ^2/NDF: 138.6/104

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.293+/-0.018 χ^2/NDF: 197087.5/25

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

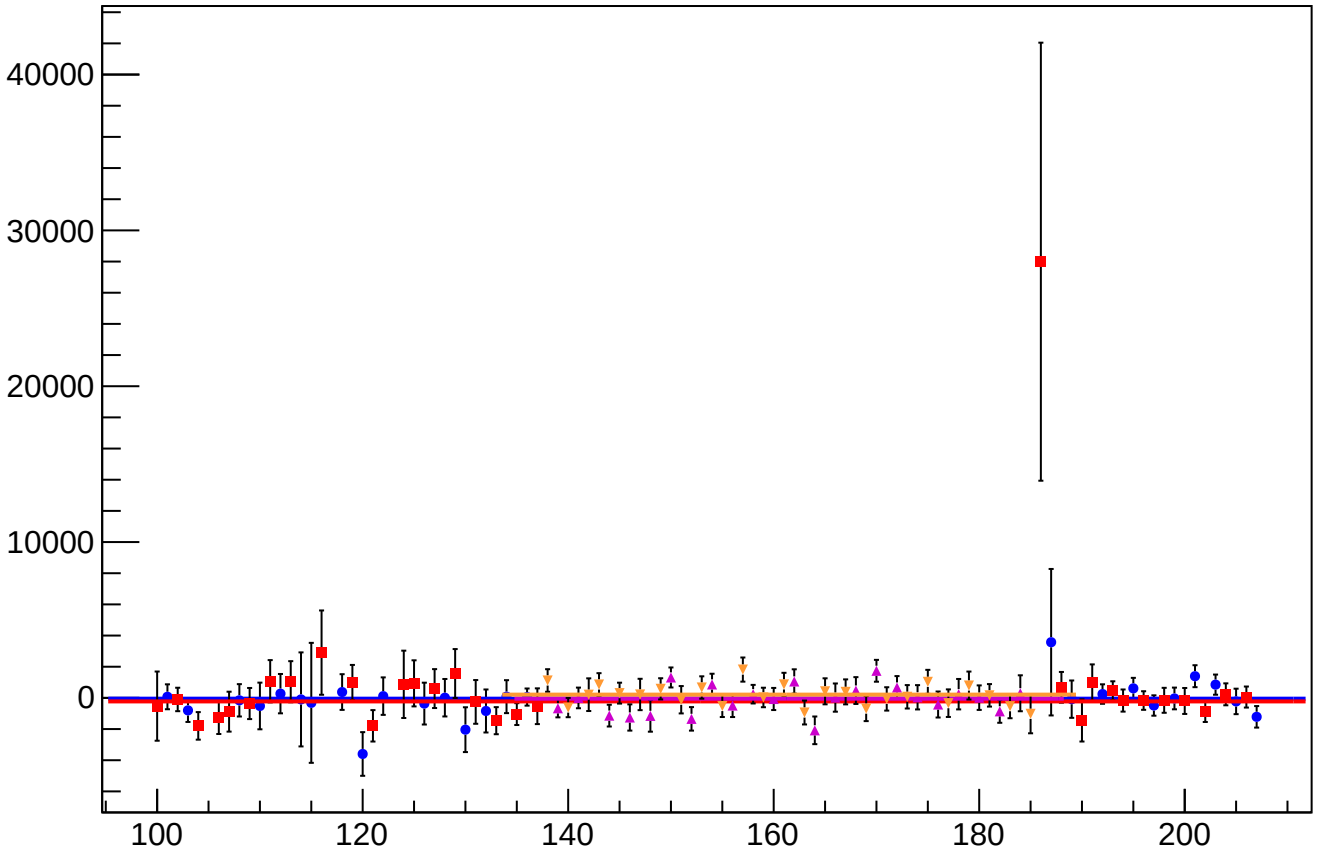
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 97.605+/-0.012 χ^2/NDF: 807264.1/56

In: 105.413+/-0.013 χ^2/NDF:1050560.1/48

Out: 104.941+/-0.013 χ^2/NDF:1476600.2/55

All: 105.168+/-0.009 χ^2/NDF: 2527842.4/104



Right In: -50.128+/-177.082 χ^2/NDF: 21.4/25

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

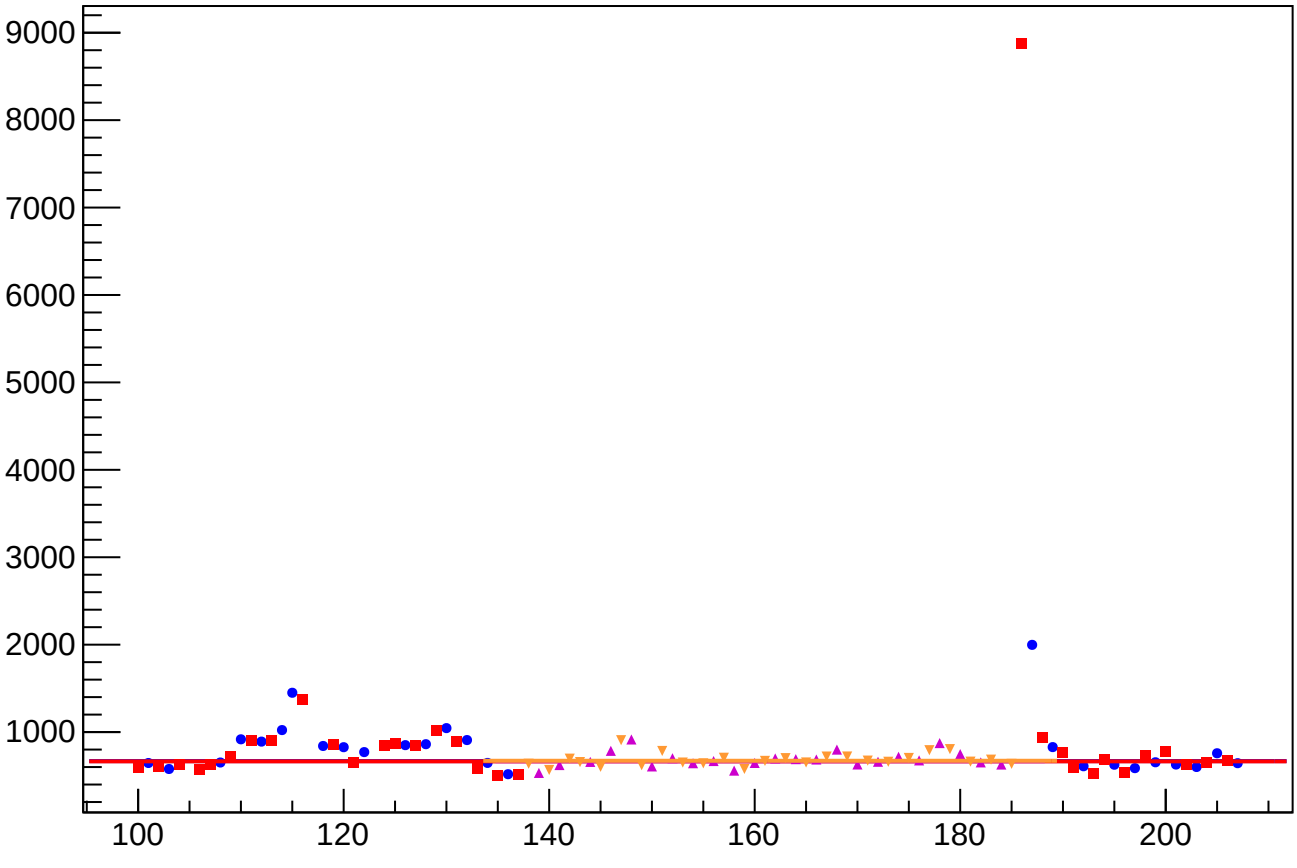
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -141.739+/-122.711 χ^2/NDF: 48.9/56

In: -50.205+/-117.680 χ^2/NDF:54.7/48

Out: 13.331+/-114.164 χ^2/NDF:49.5/55

All: -17.474+/-81.941 χ^2/NDF: 104.4/104



Right In: 668.199+/-0.125 χ^2/NDF: 1088777.6/25

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

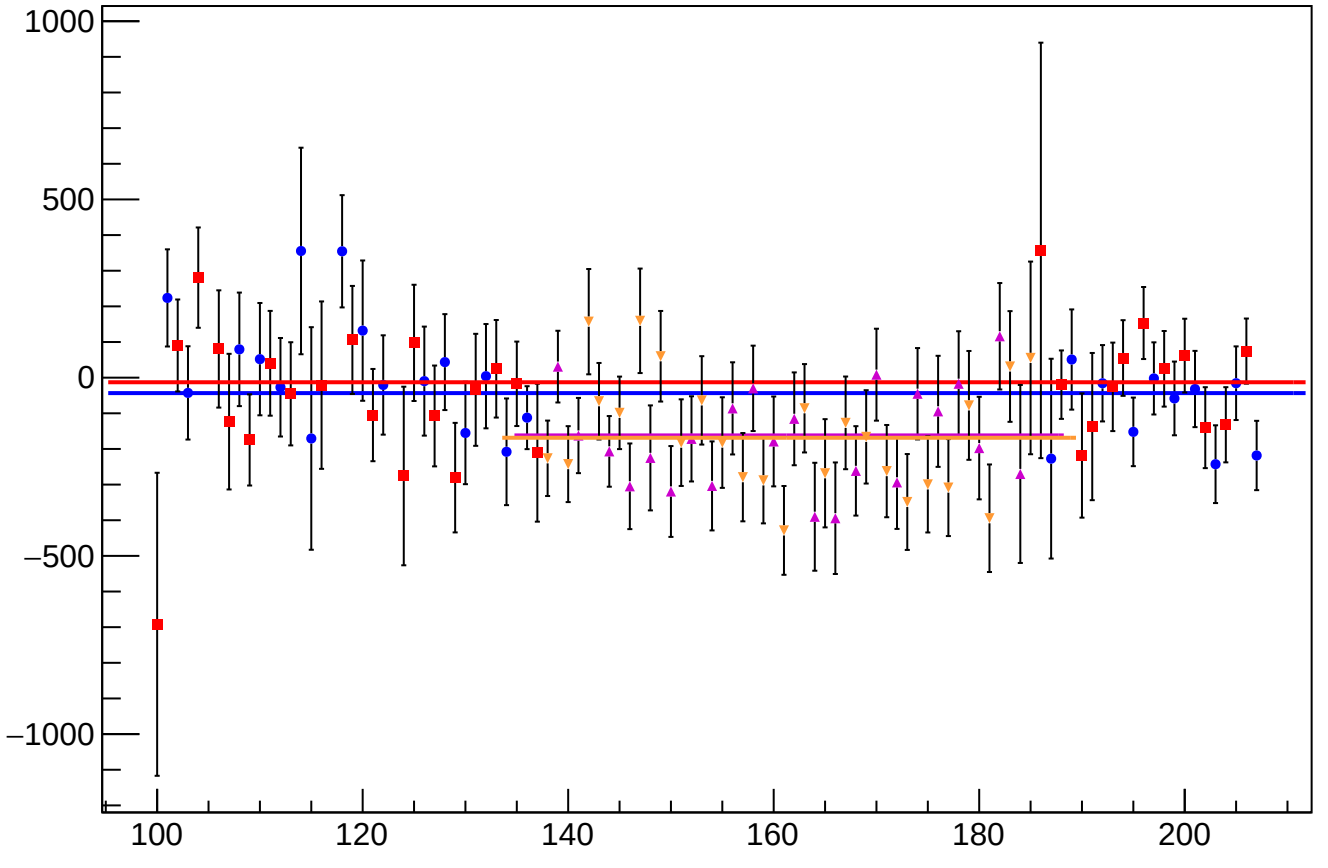
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 666.672+/-0.087 χ^2/NDF: 2977764.0/56

In: 667.720+/-0.083 χ^2/NDF:1635707.4/48

Out: 668.885+/-0.081 χ^2/NDF:2289508.0/55

All: 668.320+/-0.058 χ^2/NDF: 3925316.5/104



Right In: -43.319+/-25.231 χ^2/NDF: 26.2/25

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

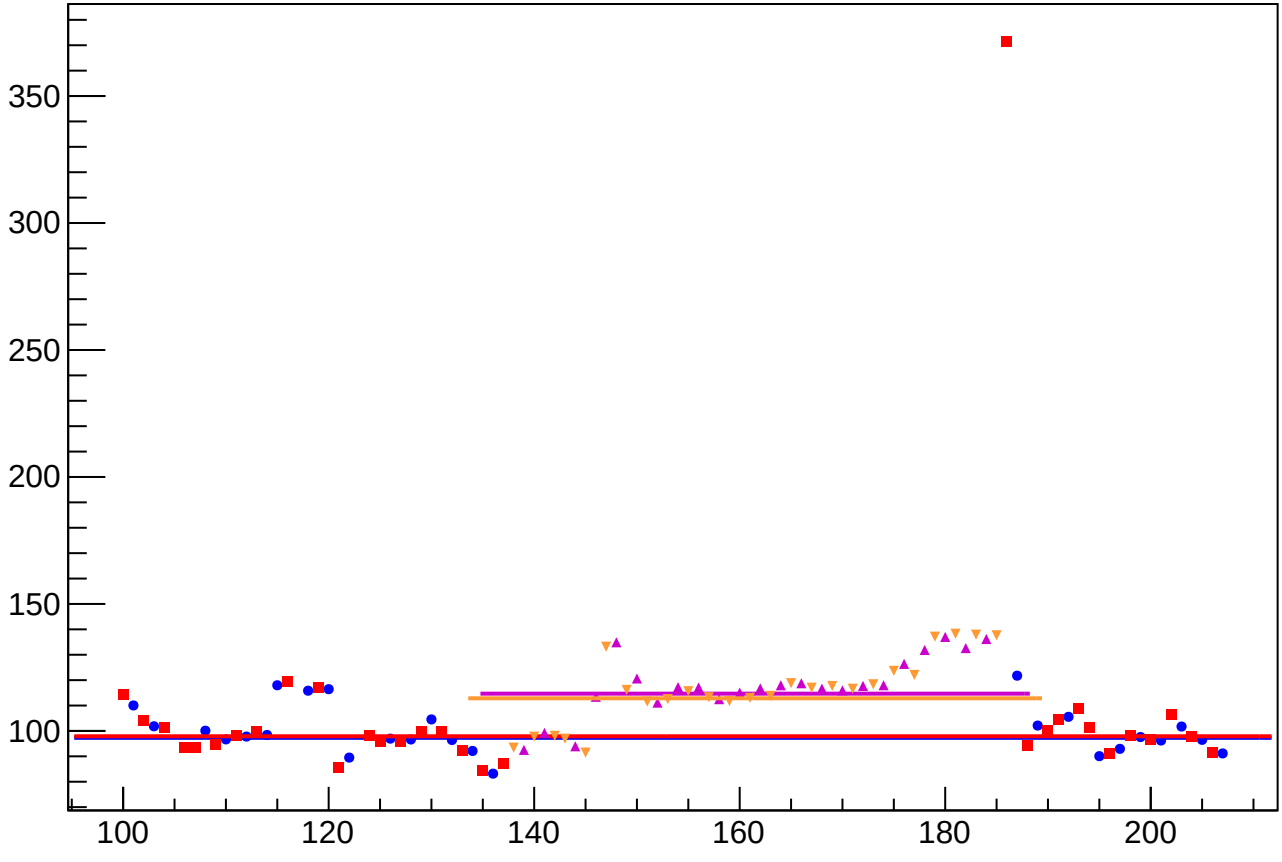
Right: -27.577+/-17.528 χ^2/NDF: 53.6/56

In: -98.771+/-18.418 χ^2/NDF:60.1/48

Out: -86.267+/-17.722 χ^2/NDF:78.3/55

All: -92.279+/-12.770 χ^2/NDF: 138.6/104

eigen_dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.292+/-0.018 χ^2/NDF: 197092.0/25

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

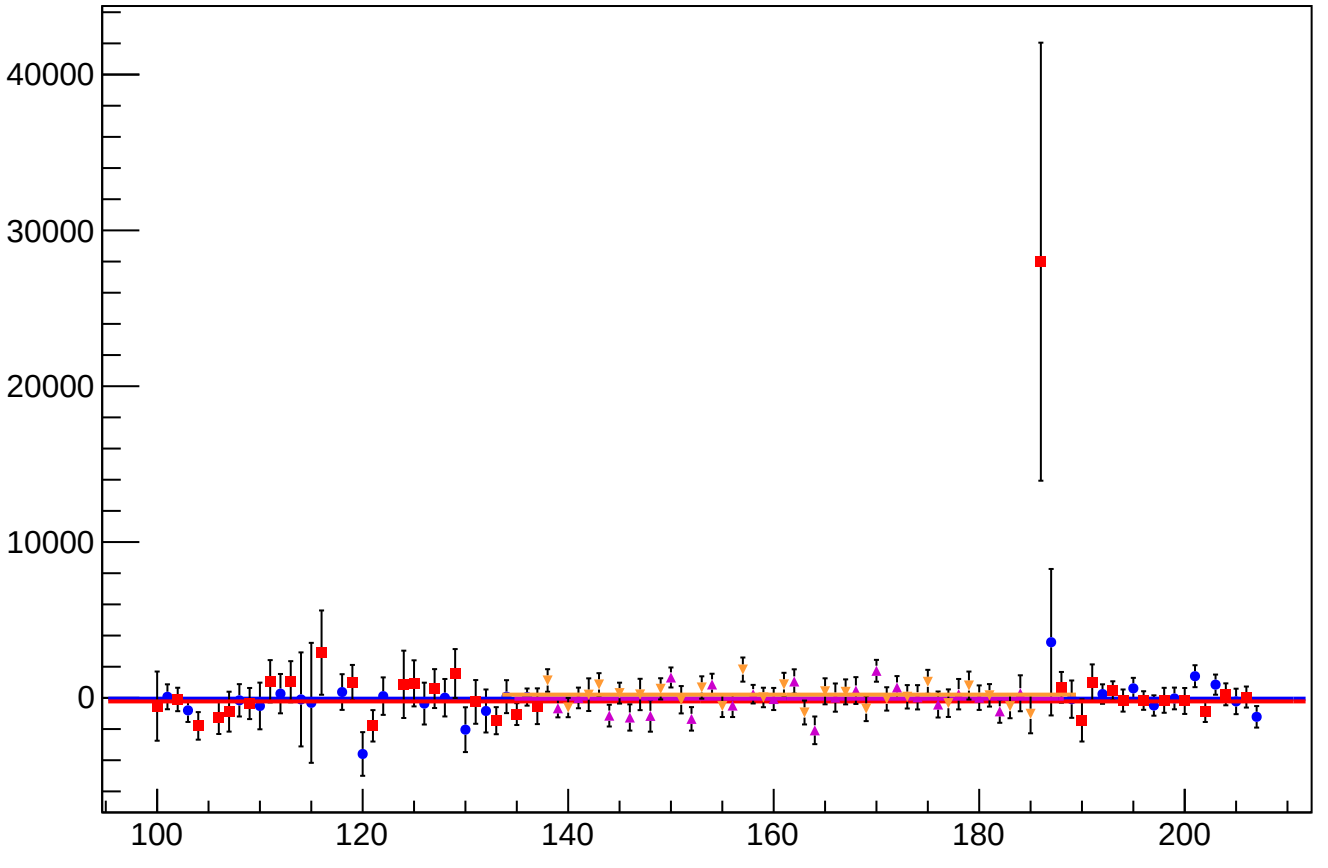
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 97.605+/-0.012 χ^2/NDF: 807269.7/56

In: 105.413+/-0.013 χ^2/NDF:1050575.3/48

Out: 104.941+/-0.013 χ^2/NDF:1476602.5/55

All: 105.168+/-0.009 χ^2/NDF: 2527859.7/104



Right In: -50.128+/-177.082 χ^2/NDF: 21.4/25

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

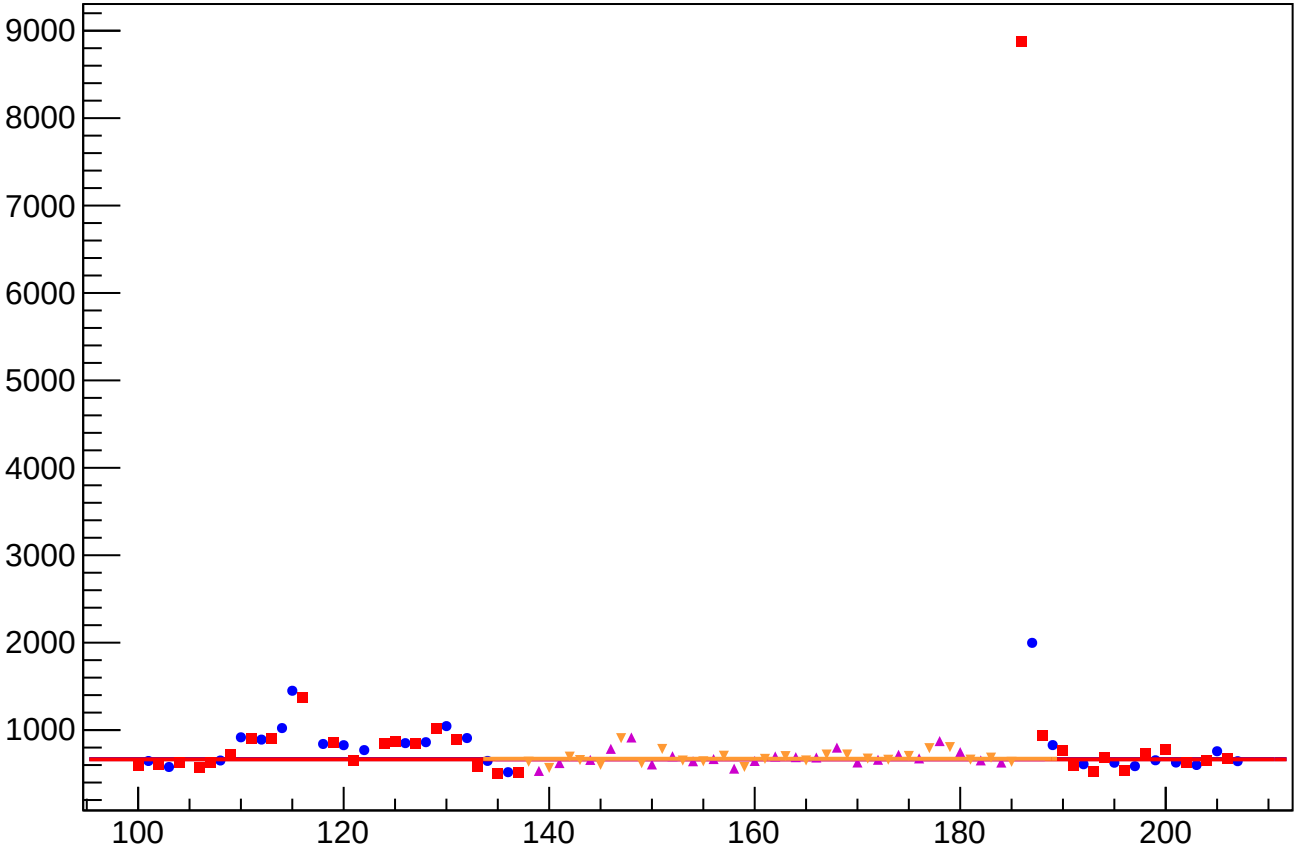
Right: -141.739+/-122.711 χ^2/NDF: 48.9/56

In: -50.205+/-117.680 χ^2/NDF:54.7/48

Out: 13.331+/-114.164 χ^2/NDF:49.5/55

All: -17.474+/-81.941 χ^2/NDF: 104.4/104

asym_sam_15_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 668.198+/-0.125 χ^2/NDF: 1088778.1/25

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

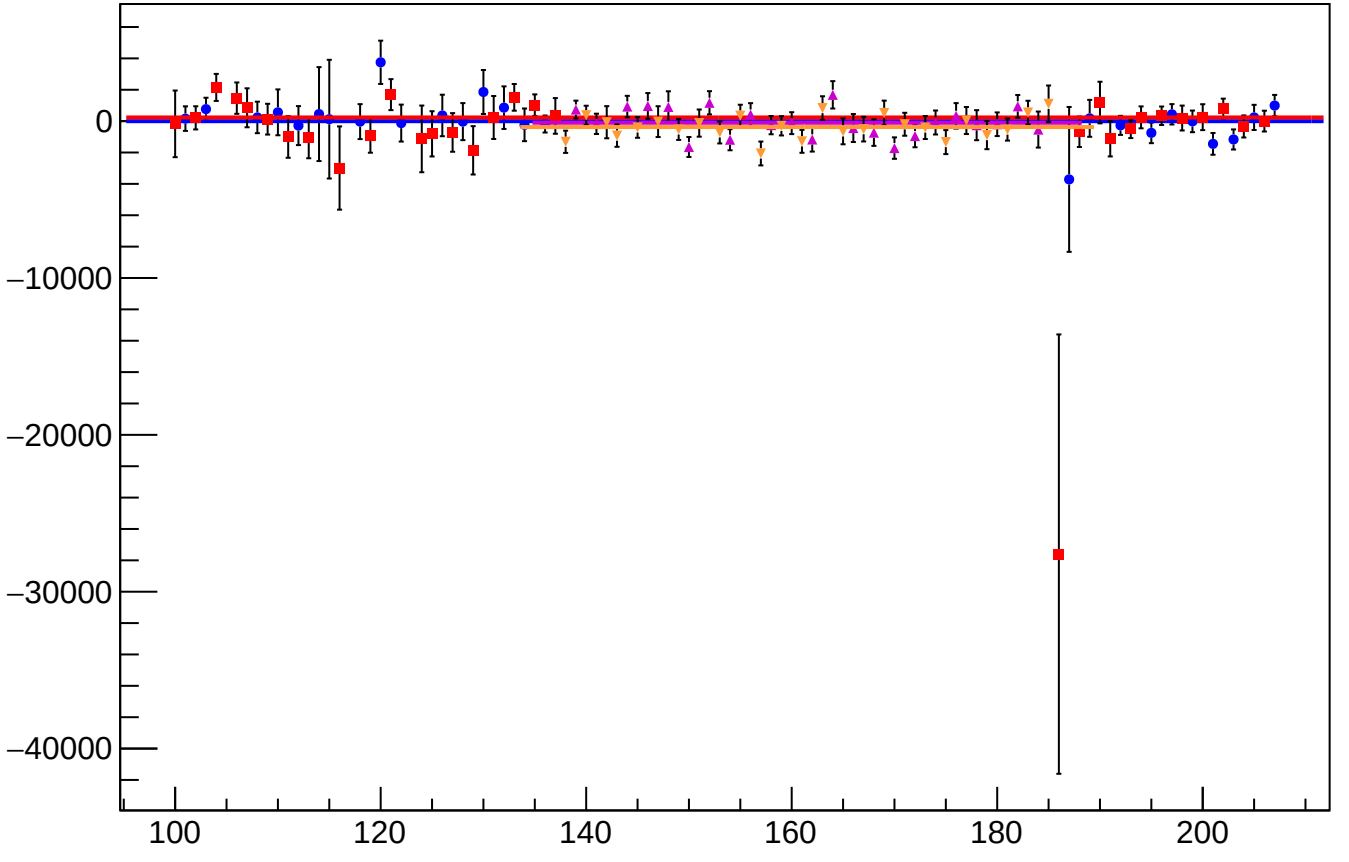
Right: 666.672+/-0.087 χ^2/NDF: 2977769.0/56

In: 667.720+/-0.083 χ^2/NDF:1635710.0/48

Out: 668.885+/-0.081 χ^2/NDF:2289513.5/55

All: 668.320+/-0.058 χ^2/NDF: 3925324.5/104

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -4.294+/-174.011 χ^2/NDF: 23.7/25

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

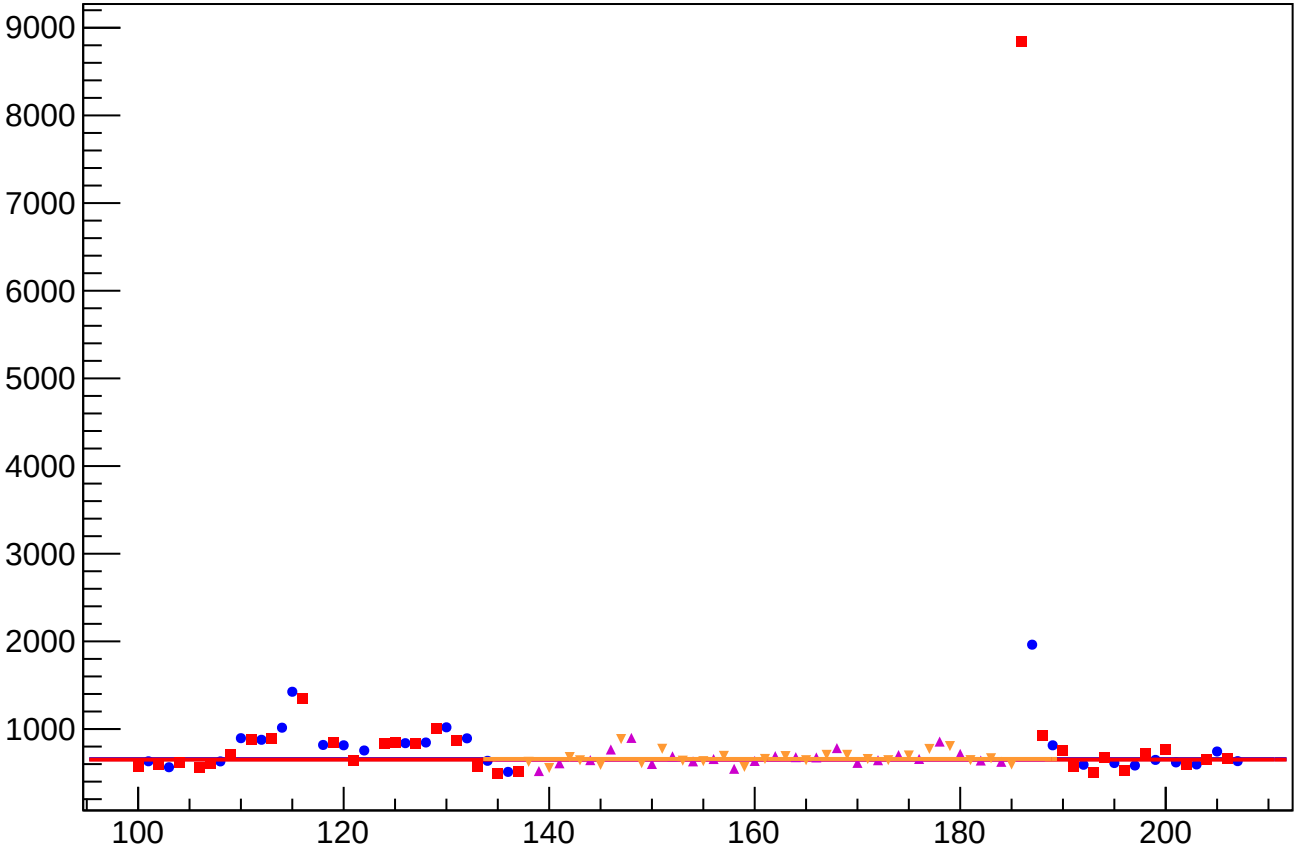
Right: 120.308+/-120.400 χ^2/NDF: 55.0/56

In: -59.721+/-115.464 χ^2/NDF:59.5/48

Out: -101.617+/-111.912 χ^2/NDF:59.1/55

All: -81.323+/-80.360 χ^2/NDF: 118.6/104

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 656.644+/-0.123 χ^2/NDF: 1077346.6/25

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

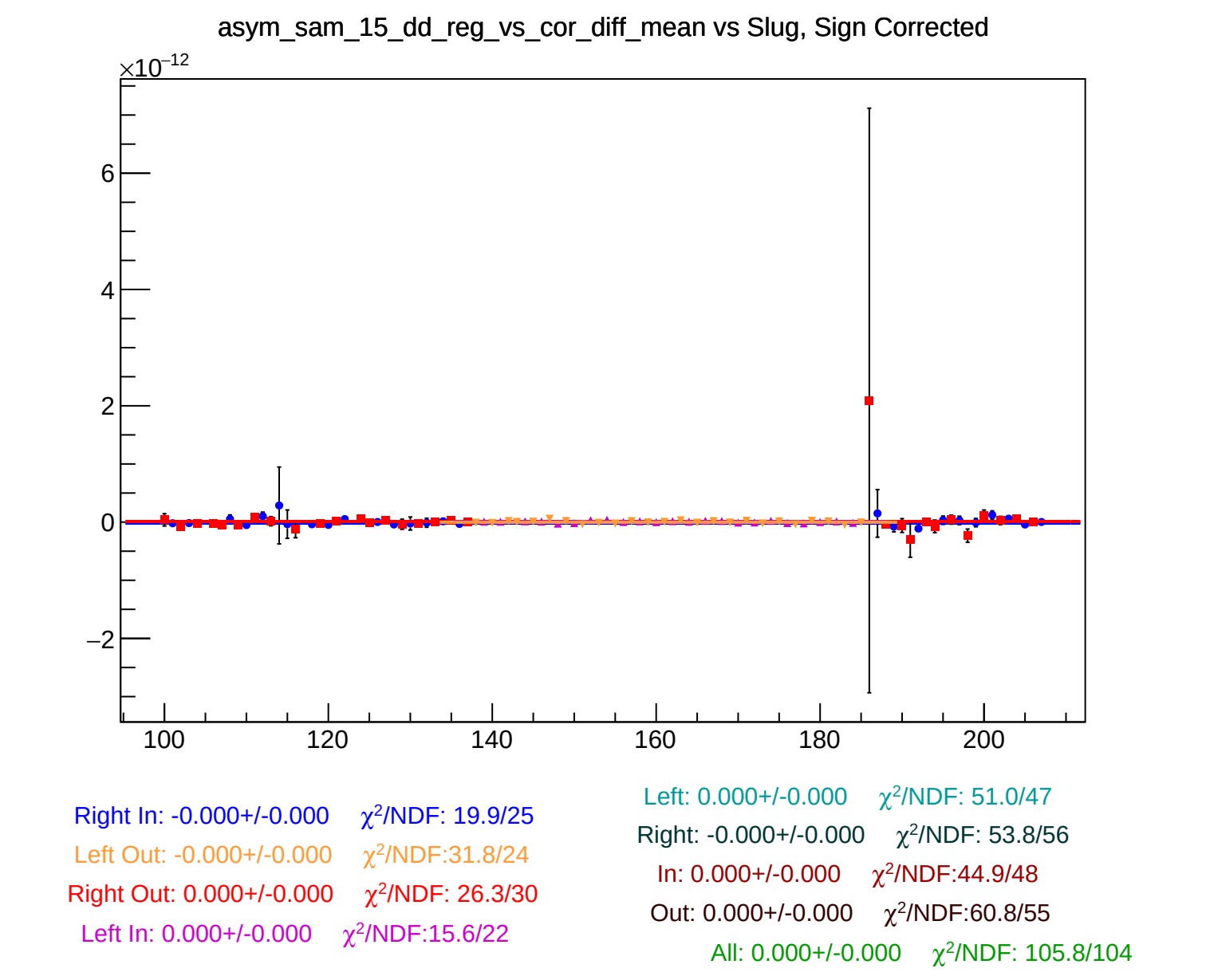
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

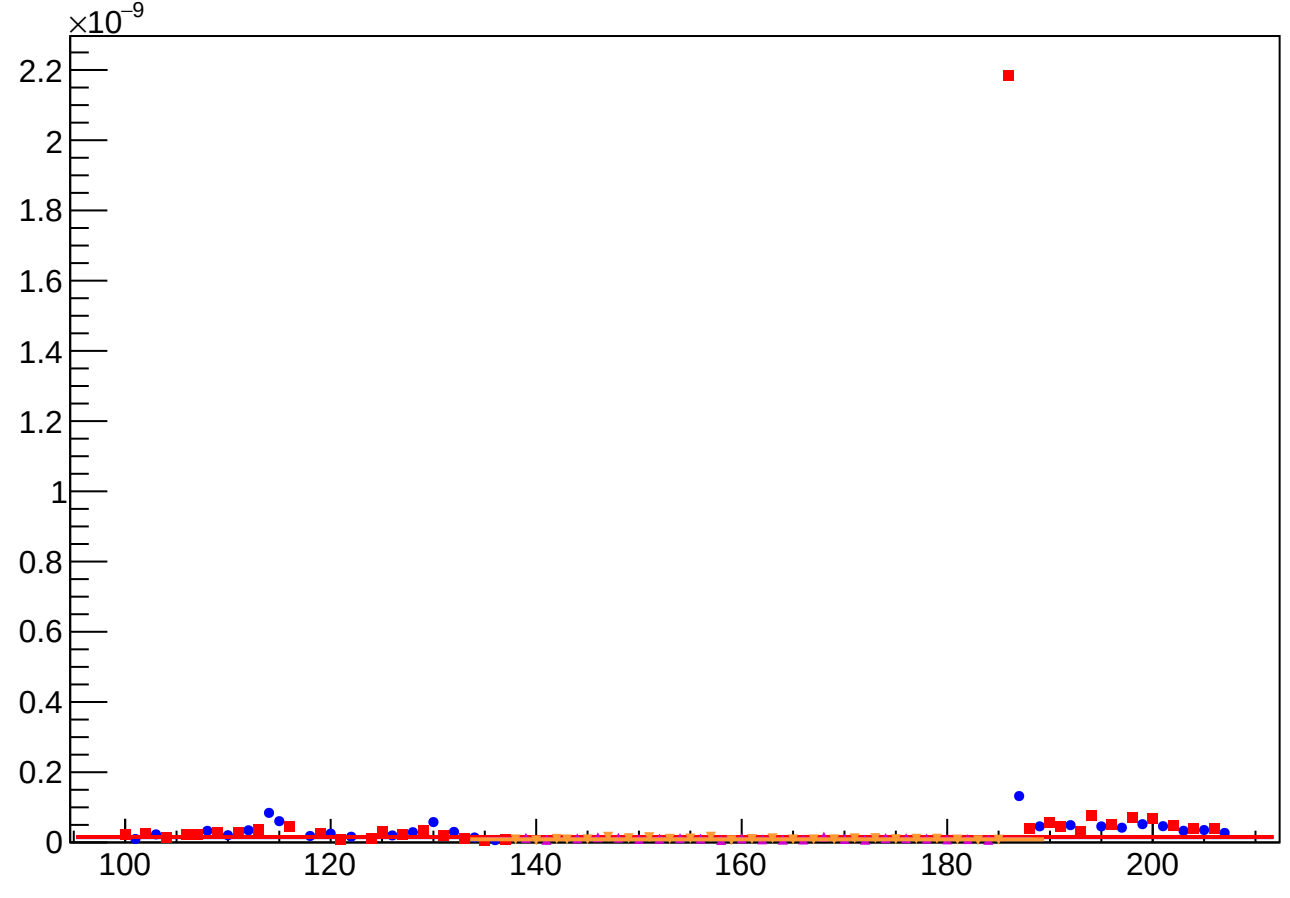
Right: 653.870+/-0.085 χ^2/NDF: 3005864.8/56

In: 655.136+/-0.082 χ^2/NDF:1619693.1/48

Out: 655.362+/-0.079 χ^2/NDF:2339362.8/55

All: 655.253+/-0.057 χ^2/NDF: 3959059.9/104


asym_sam_15_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.9/25
Left Out: -0.000+/-0.000 χ²/NDF:31.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 26.3/30
Left In: 0.000+/-0.000 χ²/NDF:15.6/22
Left: 0.000+/-0.000 χ²/NDF: 51.0/47
Right: -0.000+/-0.000 χ²/NDF: 53.8/56
In: 0.000+/-0.000 χ²/NDF:44.9/48
Out: 0.000+/-0.000 χ²/NDF:60.8/55
All: 0.000+/-0.000 χ²/NDF: 105.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 5632300.1/25

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

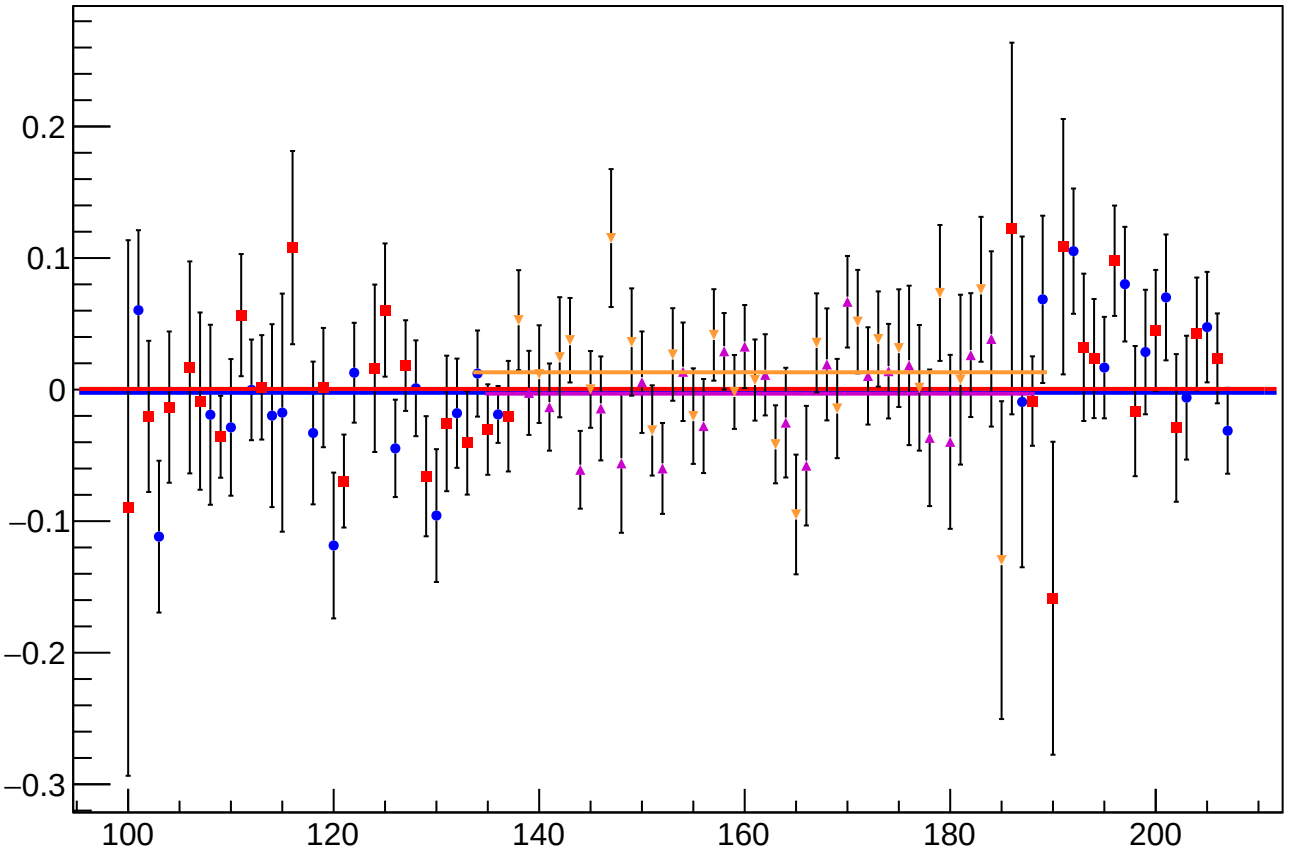
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12711106.0/56

In: 0.000+/-0.000 χ^2/NDF:7005519.6/48

Out: 0.000+/-0.000 χ^2/NDF:9435426.5/55

All: 0.000+/-0.000 χ^2/NDF: 16564978.4/104



Right In: -0.002+/-0.008 χ^2/NDF: 30.7/25

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

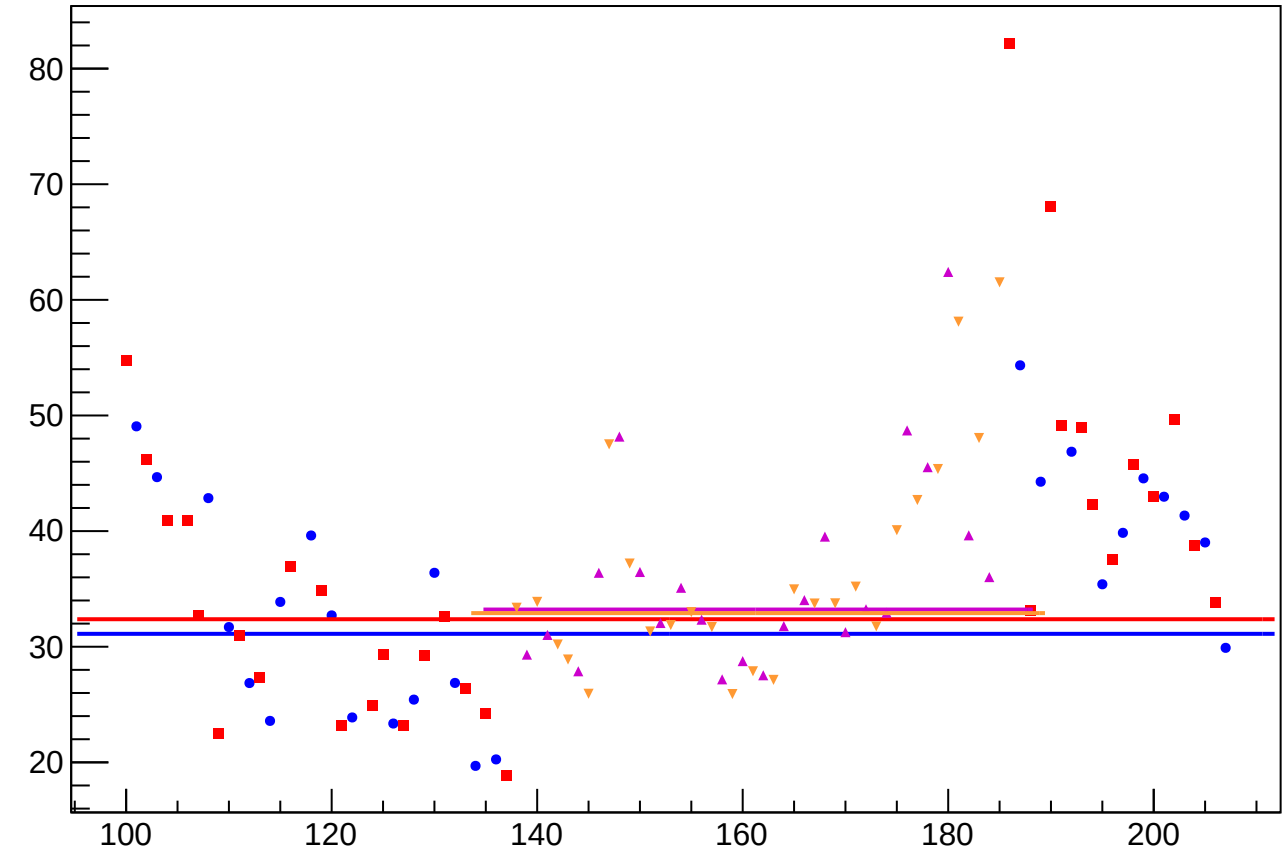
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.001+/-0.006 χ^2/NDF: 58.9/56

In: -0.003+/-0.006 χ^2/NDF:49.9/48

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.002+/-0.004 χ^2/NDF: 106.2/104



Right In: 31.116+/-0.006 χ^2/NDF: 2374734.5/25

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

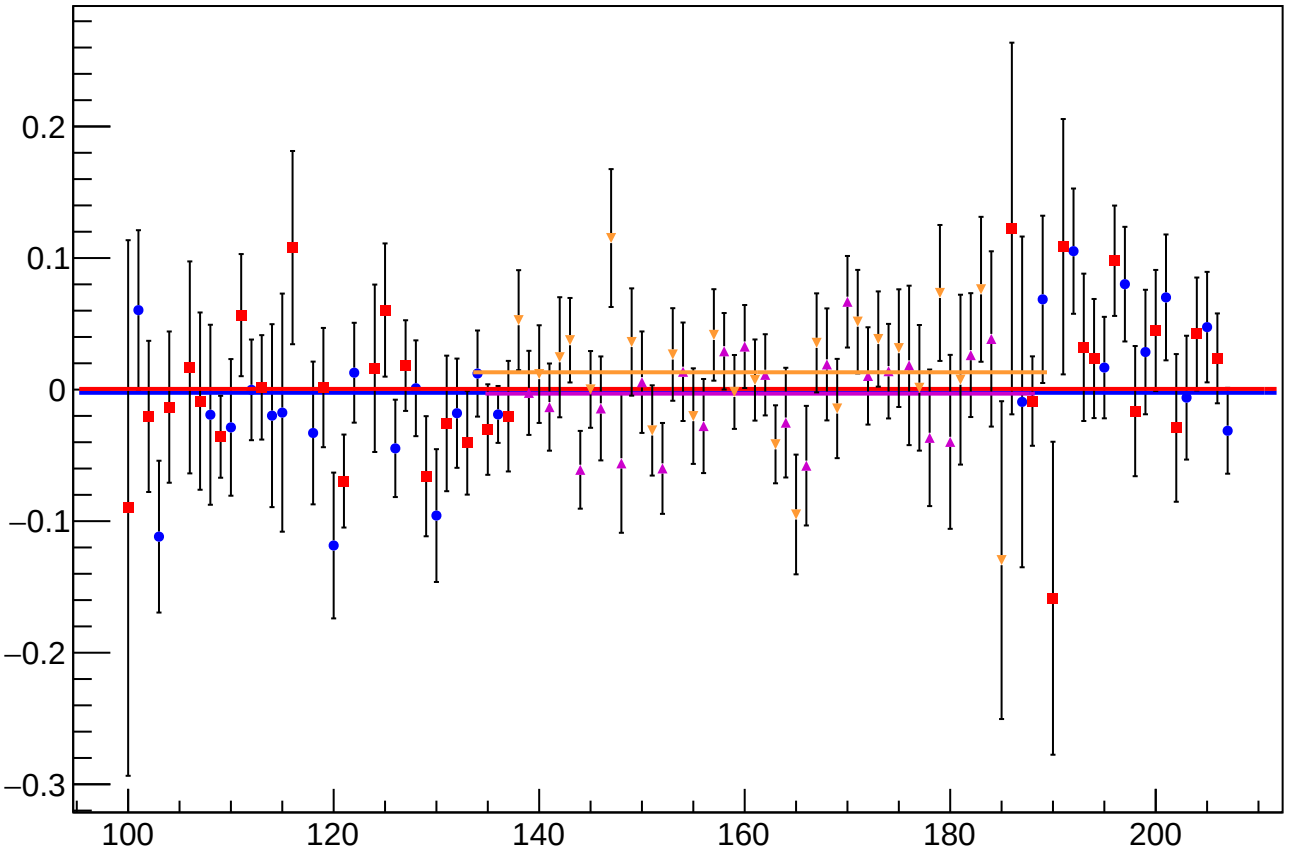
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.752+/-0.004 χ^2/NDF: 4817105.0/56

In: 32.234+/-0.004 χ^2/NDF:3661276.6/48

Out: 32.668+/-0.004 χ^2/NDF:3852320.3/55

All: 32.456+/-0.003 χ^2/NDF: 7519287.6/104



Right In: -0.002+/-0.008 χ^2/NDF: 30.7/25

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

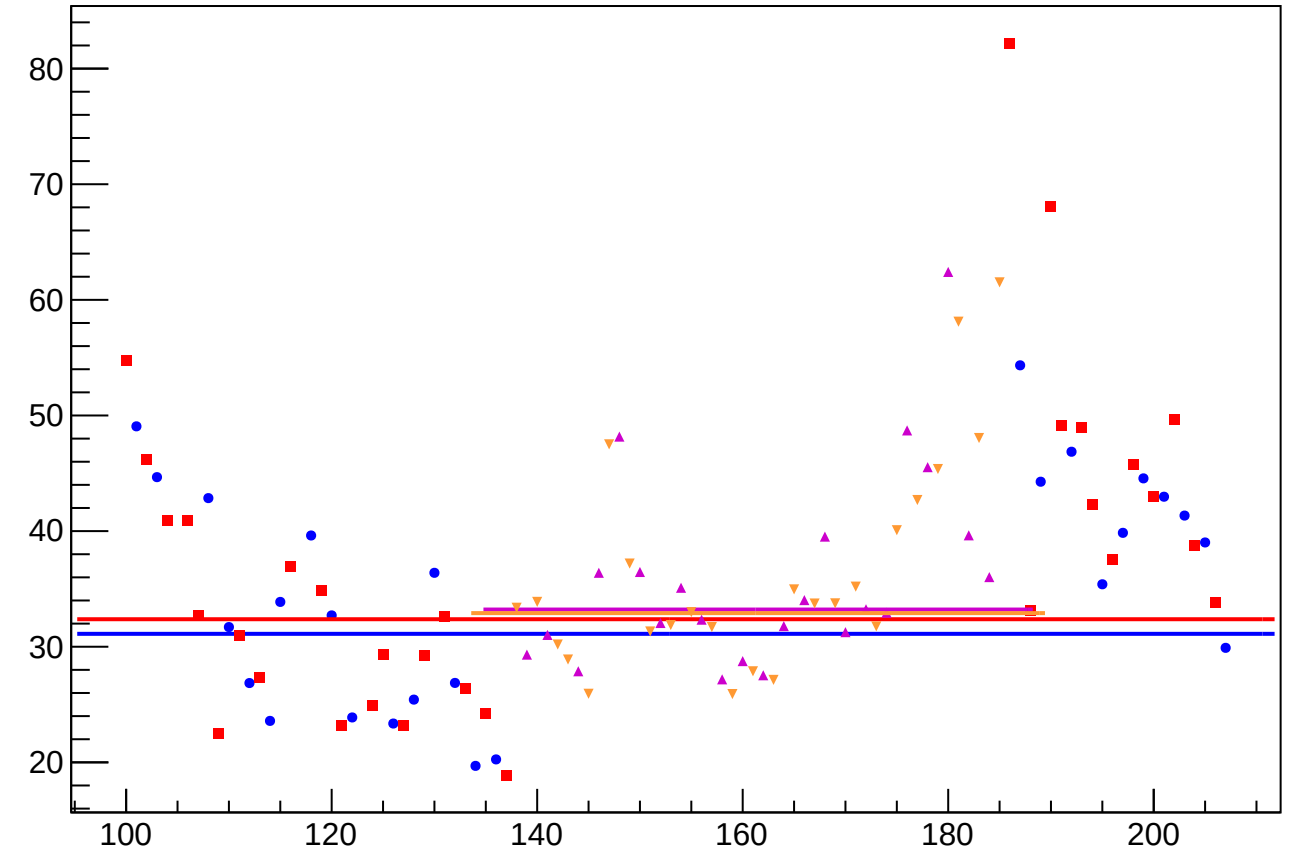
Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

Right: -0.001+/-0.006 χ^2/NDF: 58.9/56

In: -0.003+/-0.006 χ^2/NDF:49.9/48

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.002+/-0.004 χ^2/NDF: 106.2/104



Right In: 31.116+/-0.006 χ^2/NDF: 2374734.5/25

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

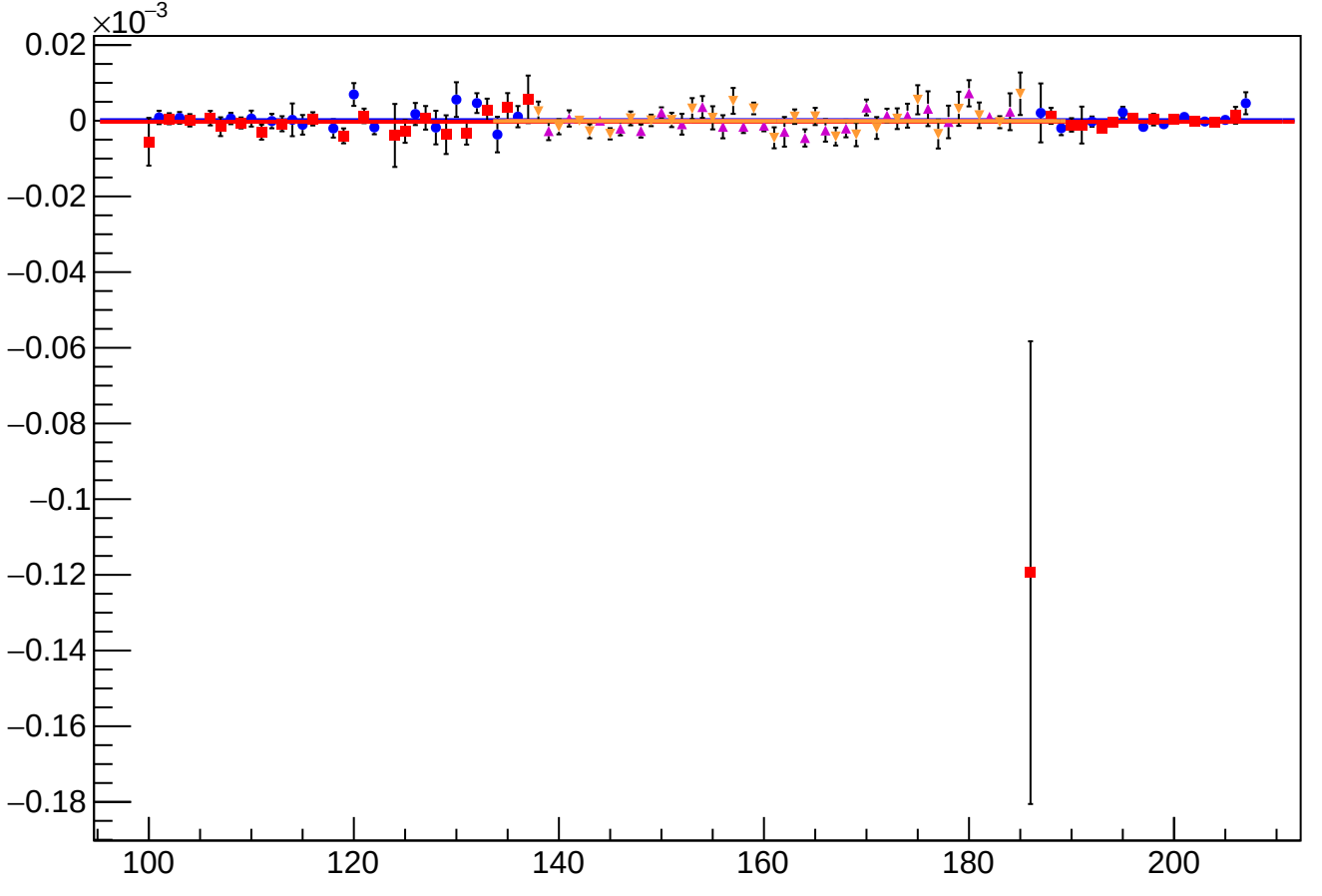
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.752+/-0.004 χ^2/NDF: 4817105.0/56

In: 32.234+/-0.004 χ^2/NDF:3661276.6/48

Out: 32.668+/-0.004 χ^2/NDF:3852320.3/55

All: 32.456+/-0.003 χ^2/NDF: 7519287.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/25

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

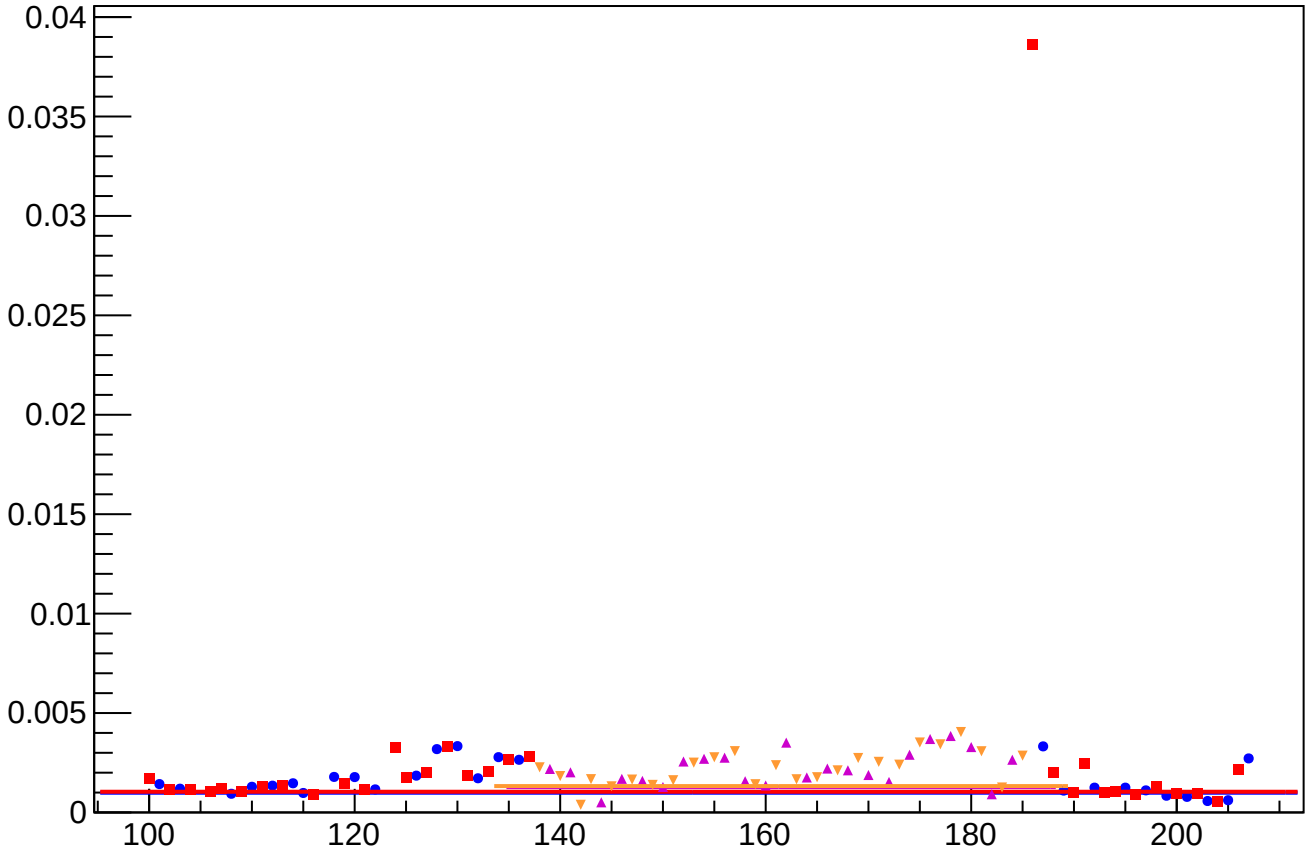
Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

Right: -0.000+/-0.000 χ^2/NDF: 46.5/56

In: 0.000+/-0.000 χ^2/NDF:50.9/48

Out: -0.000+/-0.000 χ^2/NDF:52.9/55

All: -0.000+/-0.000 χ^2/NDF: 104.5/104



Right In: 0.001+/-0.000 χ^2/NDF: 5414892.5/25

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

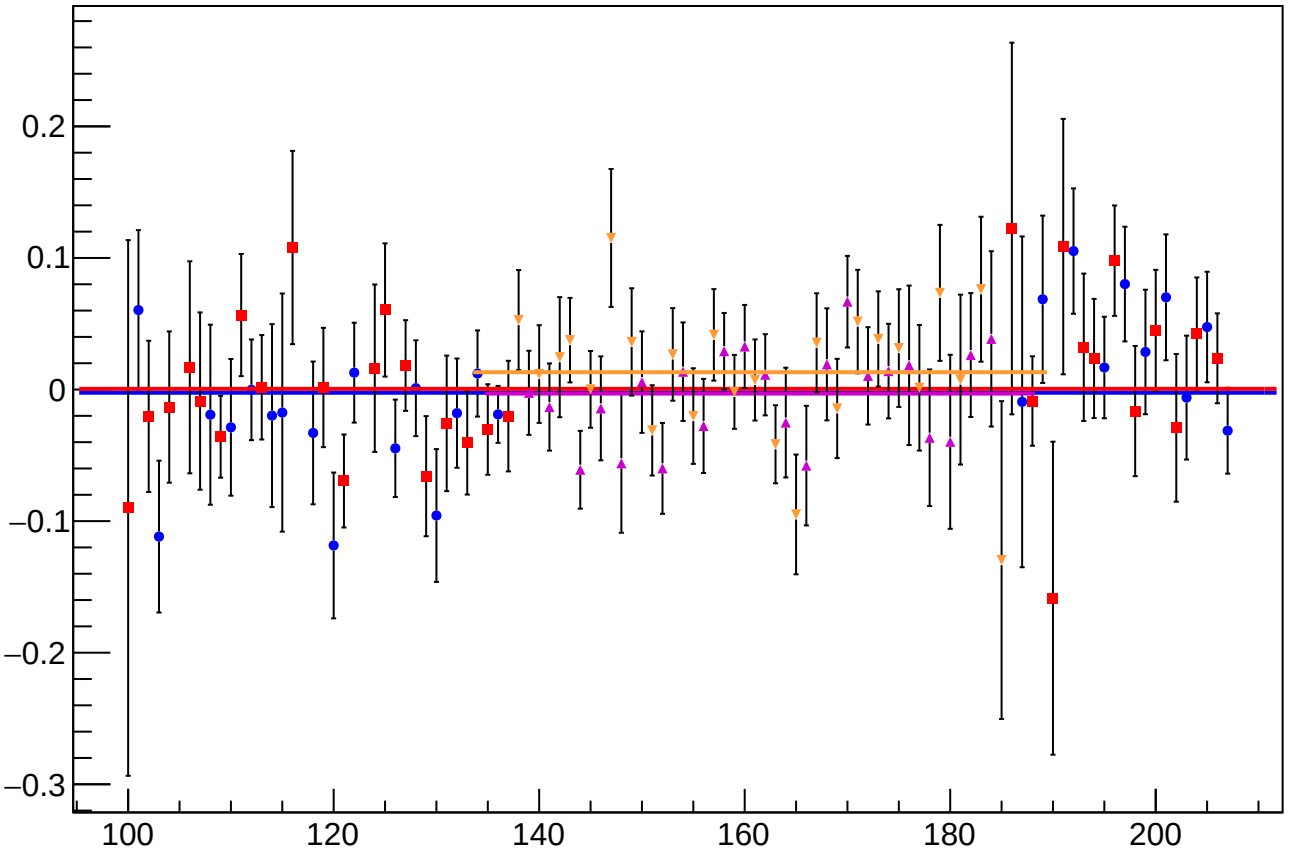
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 10862726.4/56

In: 0.001+/-0.000 χ^2/NDF:16040841.8/48

Out: 0.001+/-0.000 χ^2/NDF:17321360.1/55

All: 0.001+/-0.000 χ^2/NDF: 33399242.0/104



Right In: -0.002+/-0.008 χ^2/NDF: 30.7/25

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

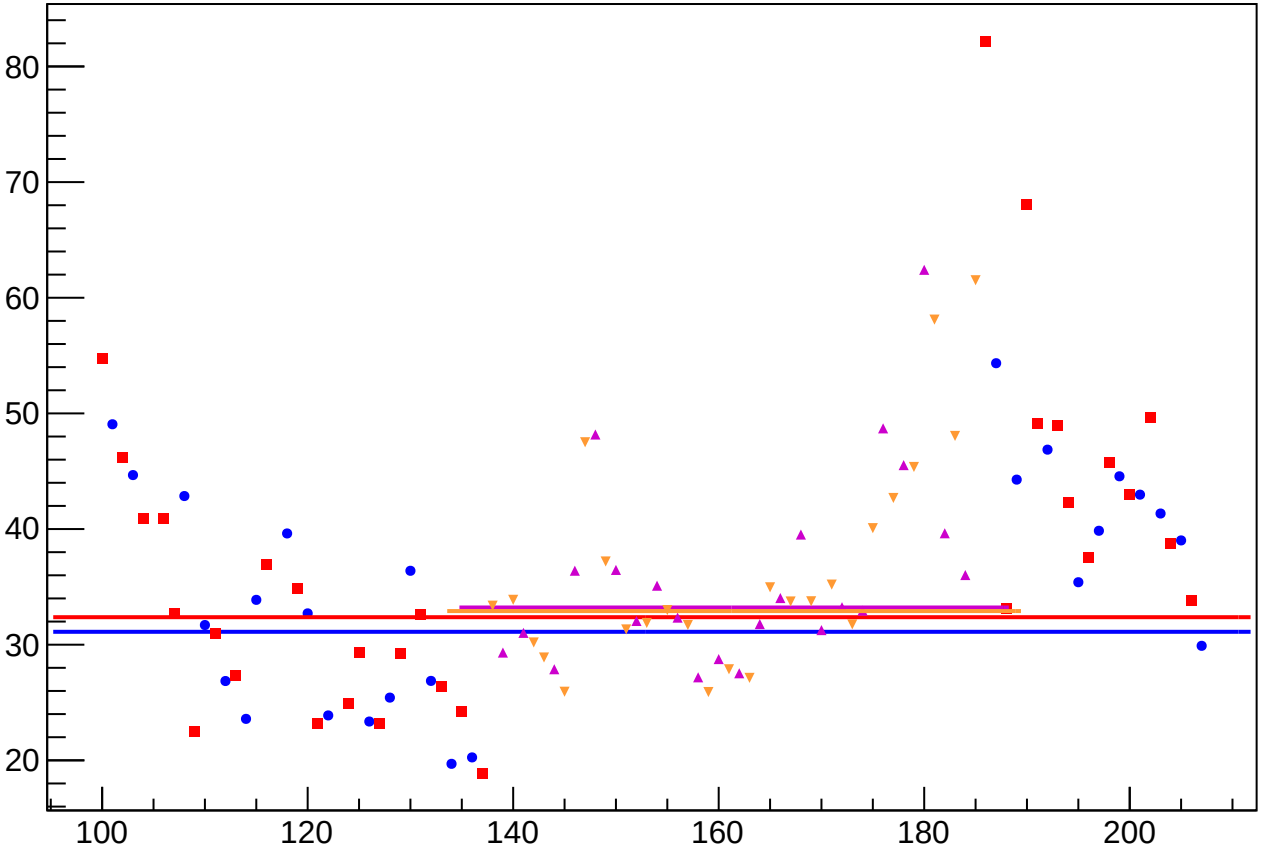
Right: -0.001+/-0.006 χ^2/NDF: 58.9/56

In: -0.003+/-0.006 χ^2/NDF:49.9/48

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.002+/-0.004 χ^2/NDF: 106.2/104

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.115+/-0.006 χ^2/NDF: 2374935.9/25

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

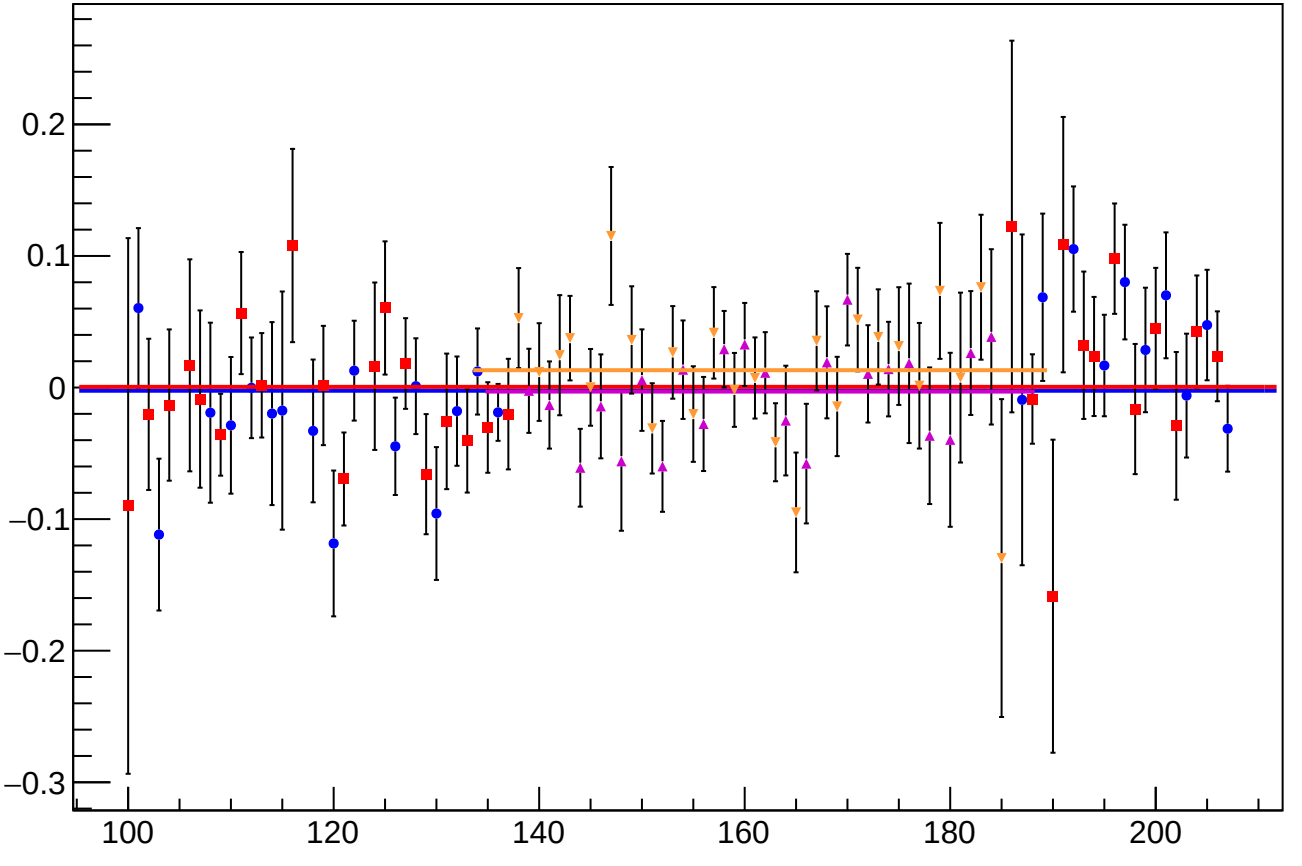
Right: 31.751+/-0.004 χ^2/NDF: 4817622.7/56

In: 32.234+/-0.004 χ^2/NDF:3661604.4/48

Out: 32.667+/-0.004 χ^2/NDF:3852731.2/55

All: 32.456+/-0.003 χ^2/NDF: 7520022.8/104

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.008 χ^2/NDF: 30.7/25

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

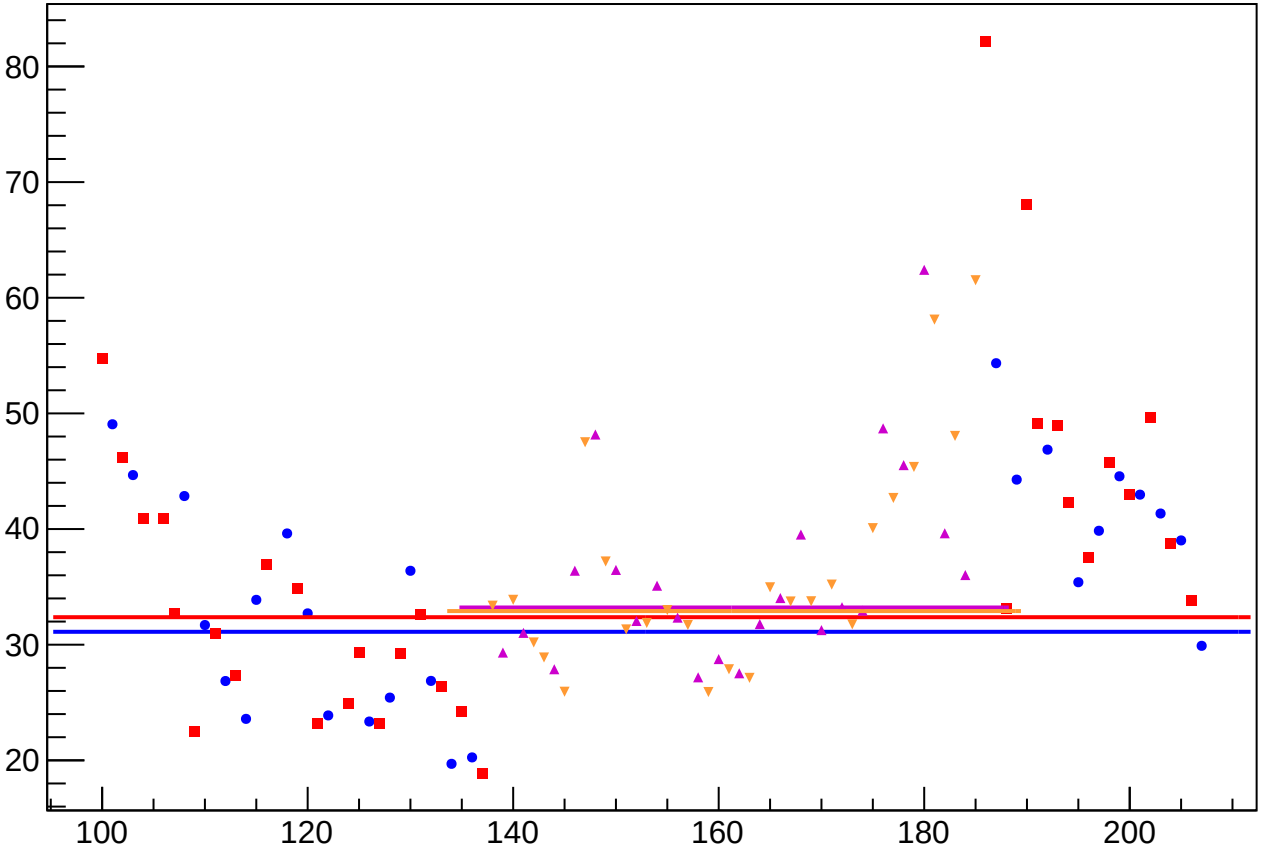
Right: -0.001+/-0.006 χ^2/NDF: 58.9/56

In: -0.003+/-0.006 χ^2/NDF:49.9/48

Out: 0.007+/-0.006 χ^2/NDF:54.7/55

All: 0.002+/-0.004 χ^2/NDF: 106.2/104

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.115+/-0.006 χ^2/NDF: 2374935.9/25

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

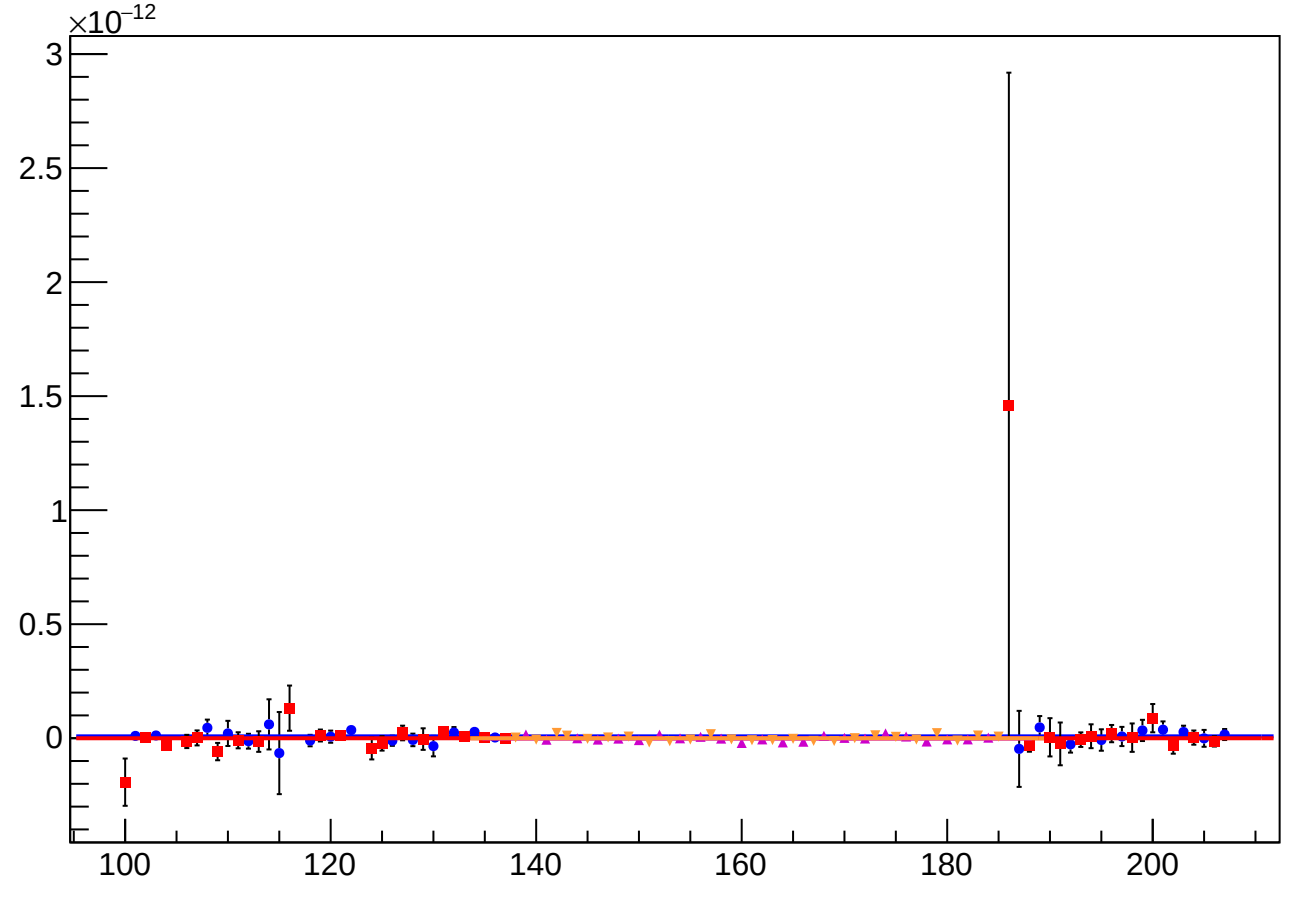
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.751+/-0.004 χ^2/NDF: 4817622.7/56

In: 32.234+/-0.004 χ^2/NDF:3661604.4/48

Out: 32.667+/-0.004 χ^2/NDF:3852731.2/55

All: 32.456+/-0.003 χ^2/NDF: 7520022.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 11.7/25

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

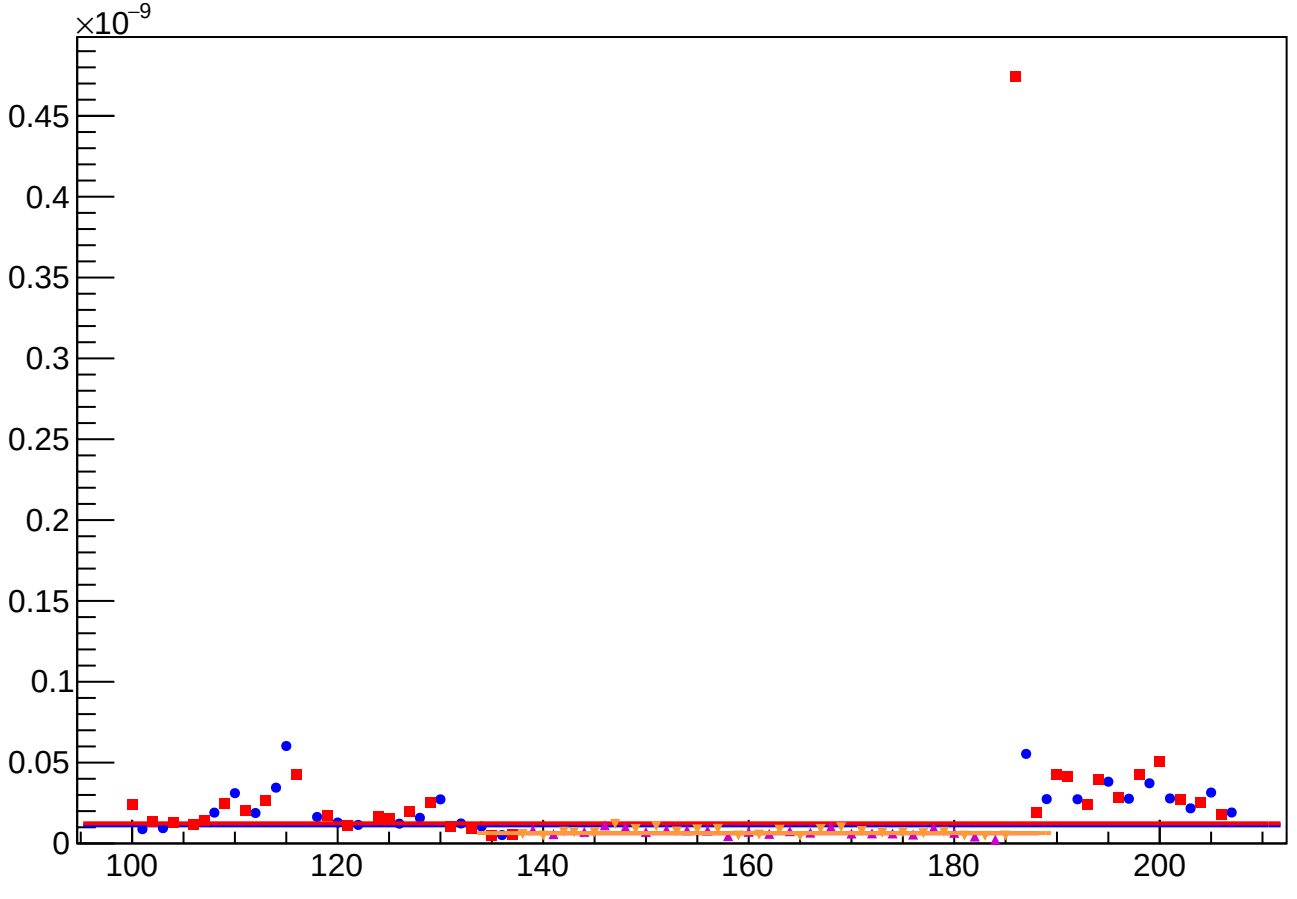
Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 35.2/56

In: 0.000+/-0.000 χ^2/NDF:41.0/48

Out: -0.000+/-0.000 χ^2/NDF:52.7/55

All: 0.000+/-0.000 χ^2/NDF: 93.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 6765070.3/25

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

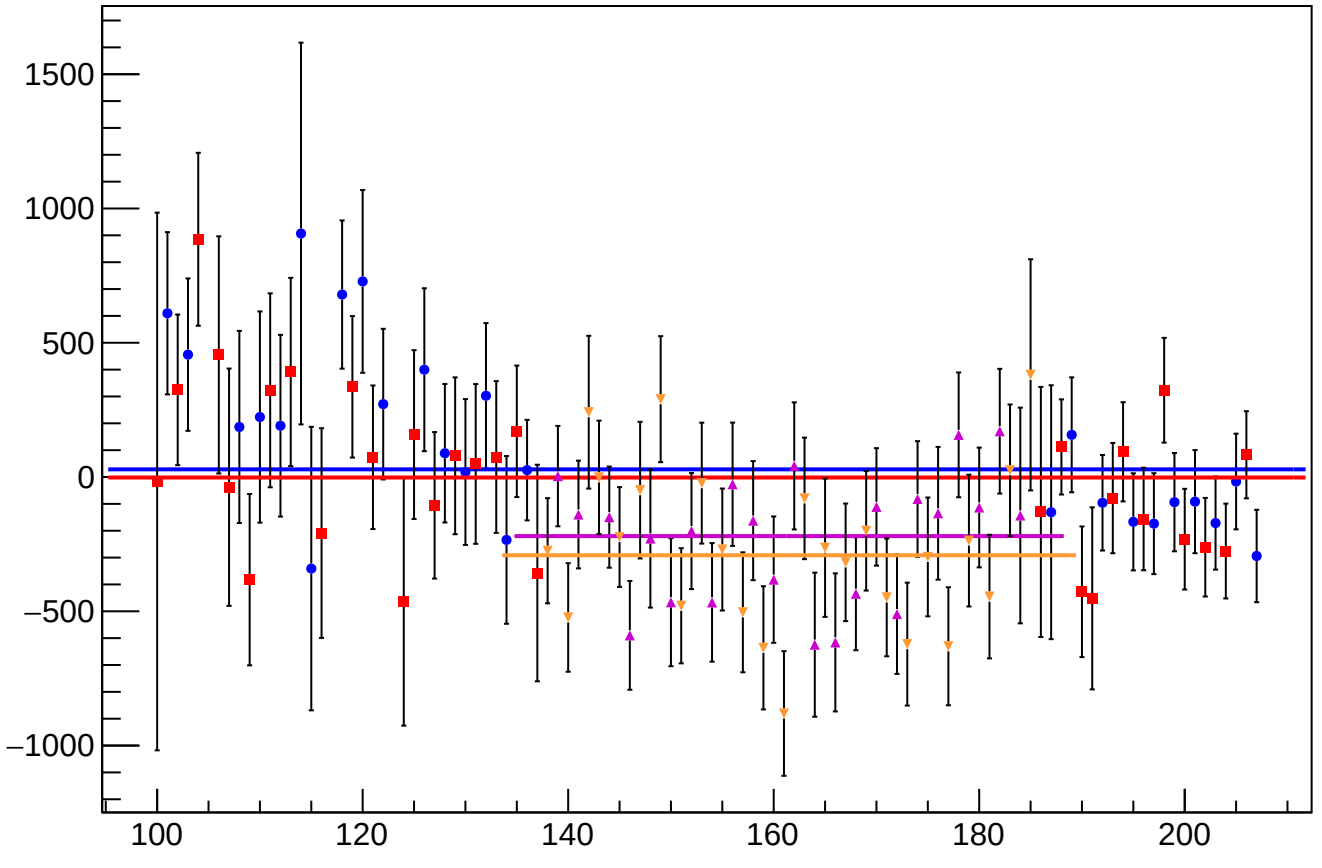
Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14010504.7/56

In: 0.000+/-0.000 χ^2/NDF:11098398.7/48

Out: 0.000+/-0.000 χ^2/NDF:12119439.1/55

All: 0.000+/-0.000 χ^2/NDF: 23225753.2/104



Right In: 28.601+/-47.101 χ^2/NDF: 31.5/25

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

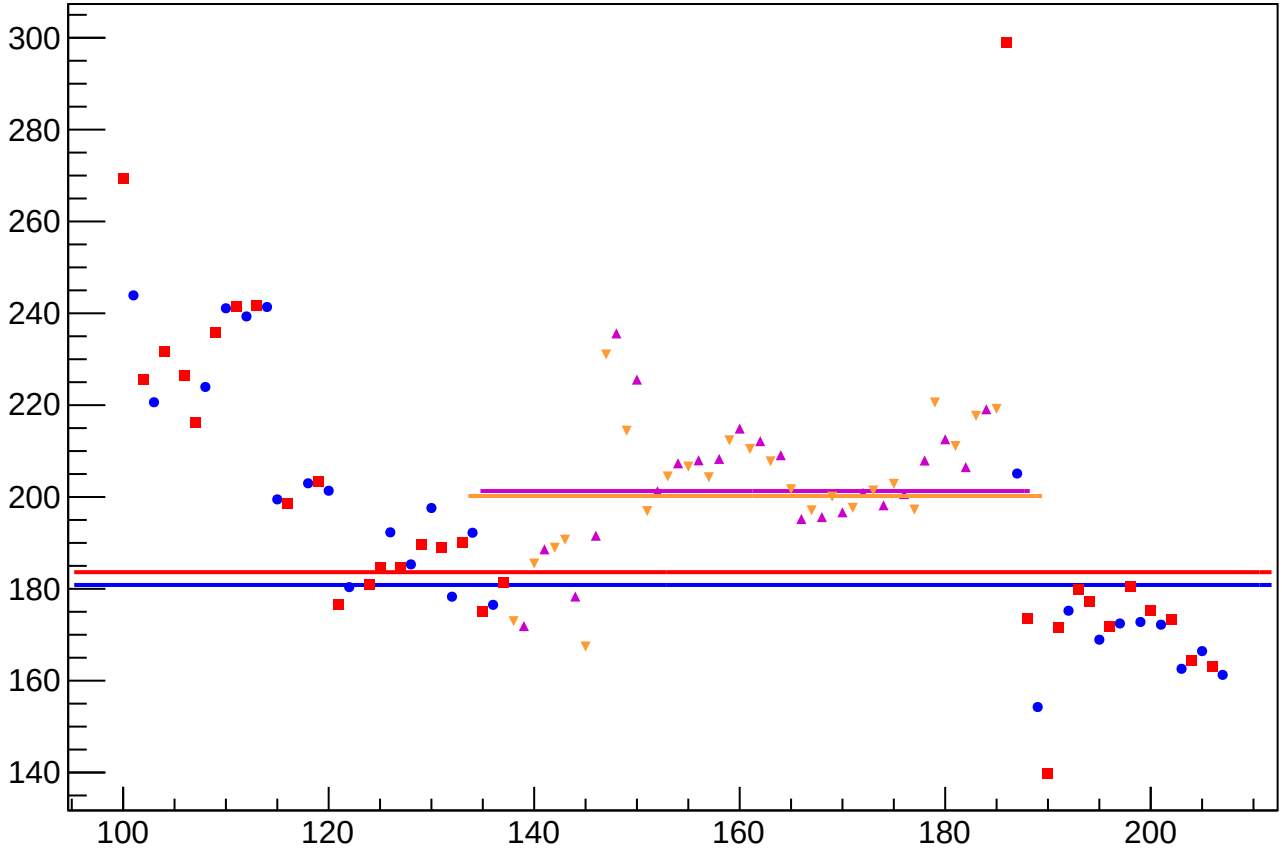
Right: 12.939+/-32.816 χ^2/NDF: 65.4/56

In: -95.568+/-33.321 χ^2/NDF:69.2/48

Out: -146.997+/-32.301 χ^2/NDF:90.1/55

All: -122.082+/-23.192 χ^2/NDF: 160.5/104

reg_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 180.840+/-0.033 χ^2/NDF: 434245.3/25

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

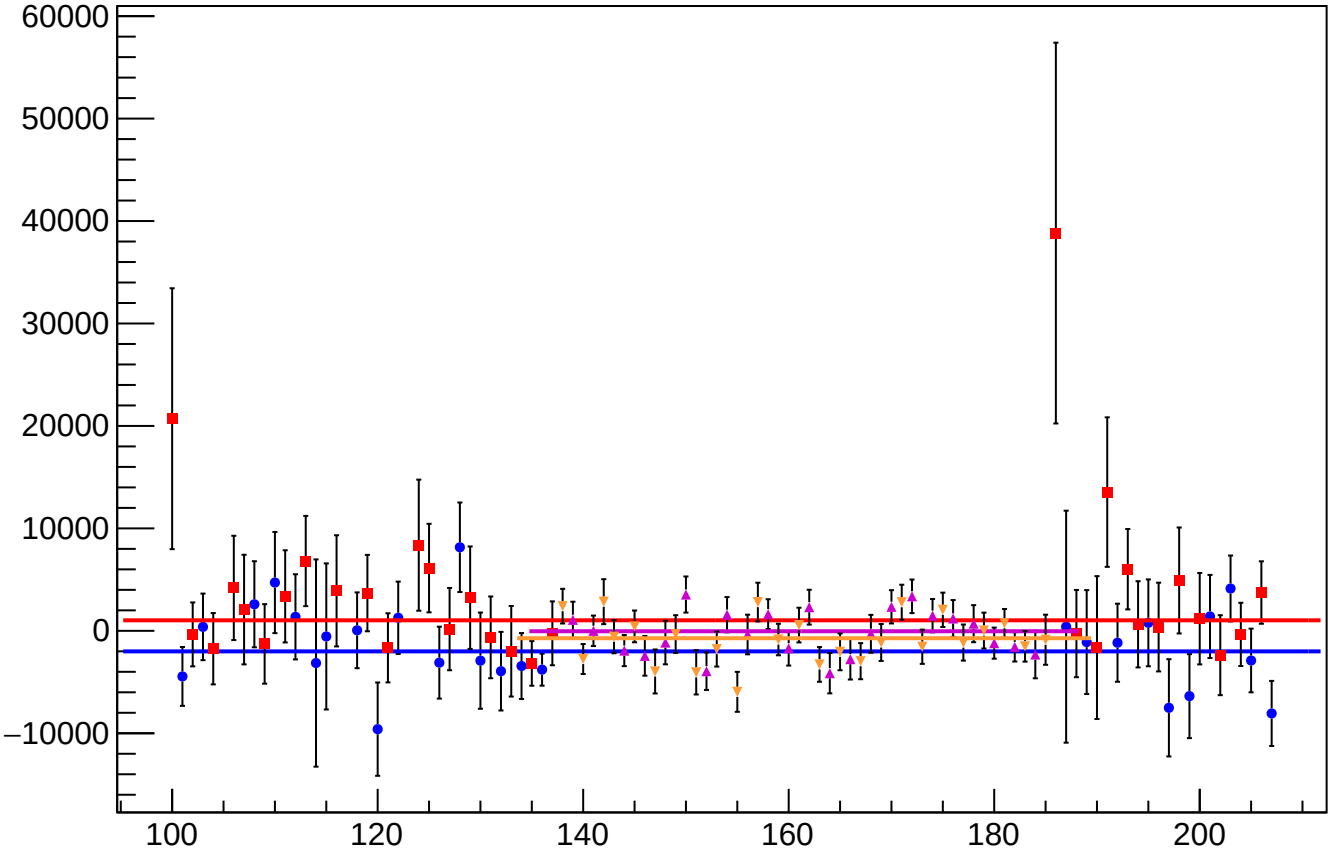
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 182.274+/-0.023 χ^2/NDF: 1026135.4/56

In: 191.059+/-0.024 χ^2/NDF:804360.9/48

Out: 191.942+/-0.023 χ^2/NDF:924469.1/55

All: 191.514+/-0.016 χ^2/NDF: 1729555.2/104



Right In: -2005.873+/-708.896 χ^2/NDF: 27.4/25

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

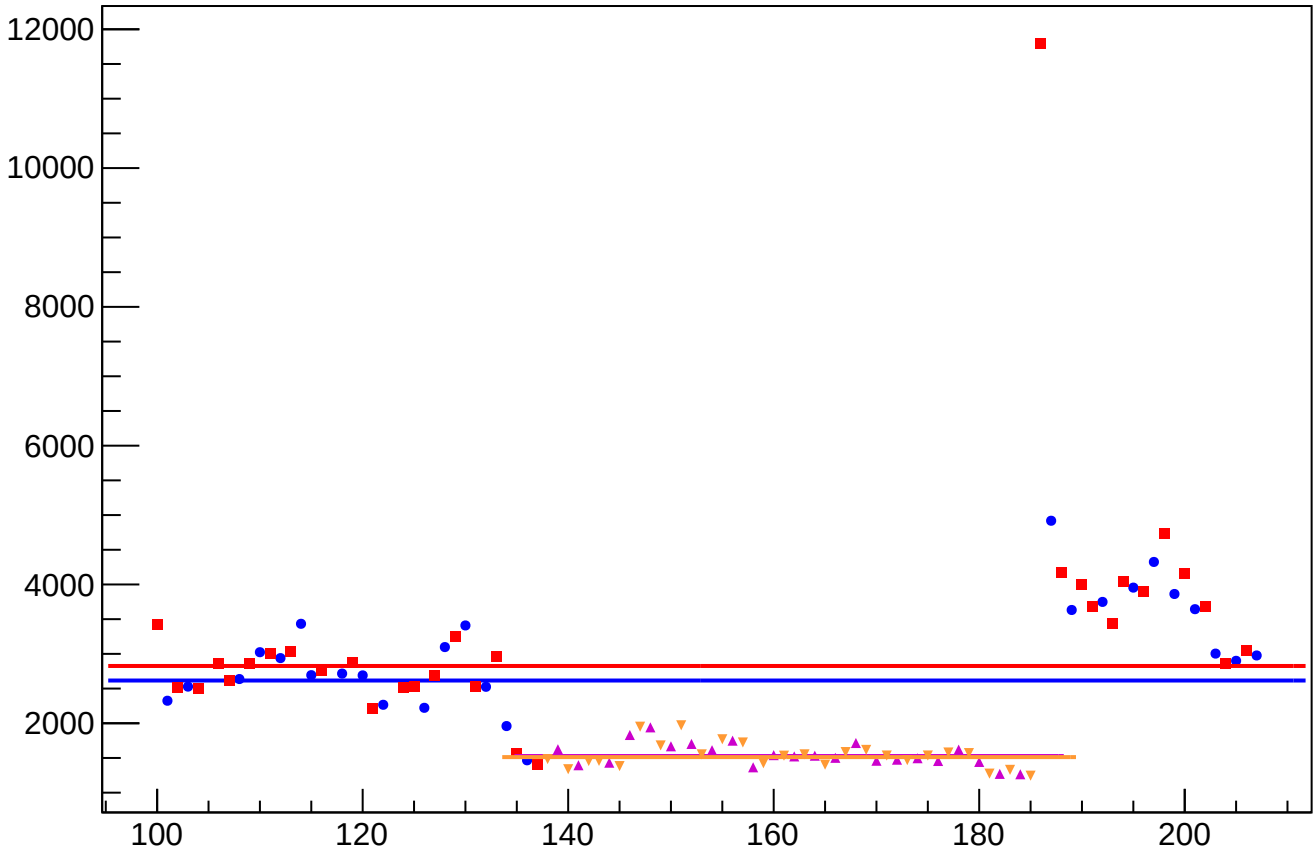
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -535.790+/-508.883 χ^2/NDF: 62.4/56

In: -441.160+/-320.461 χ^2/NDF:67.9/48

Out: -400.181+/-313.010 χ^2/NDF:69.1/55

All: -420.188+/-223.919 χ^2/NDF: 137.0/104



Right In: 2615.970+/-0.501 χ^2/NDF: 2538128.4/25

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

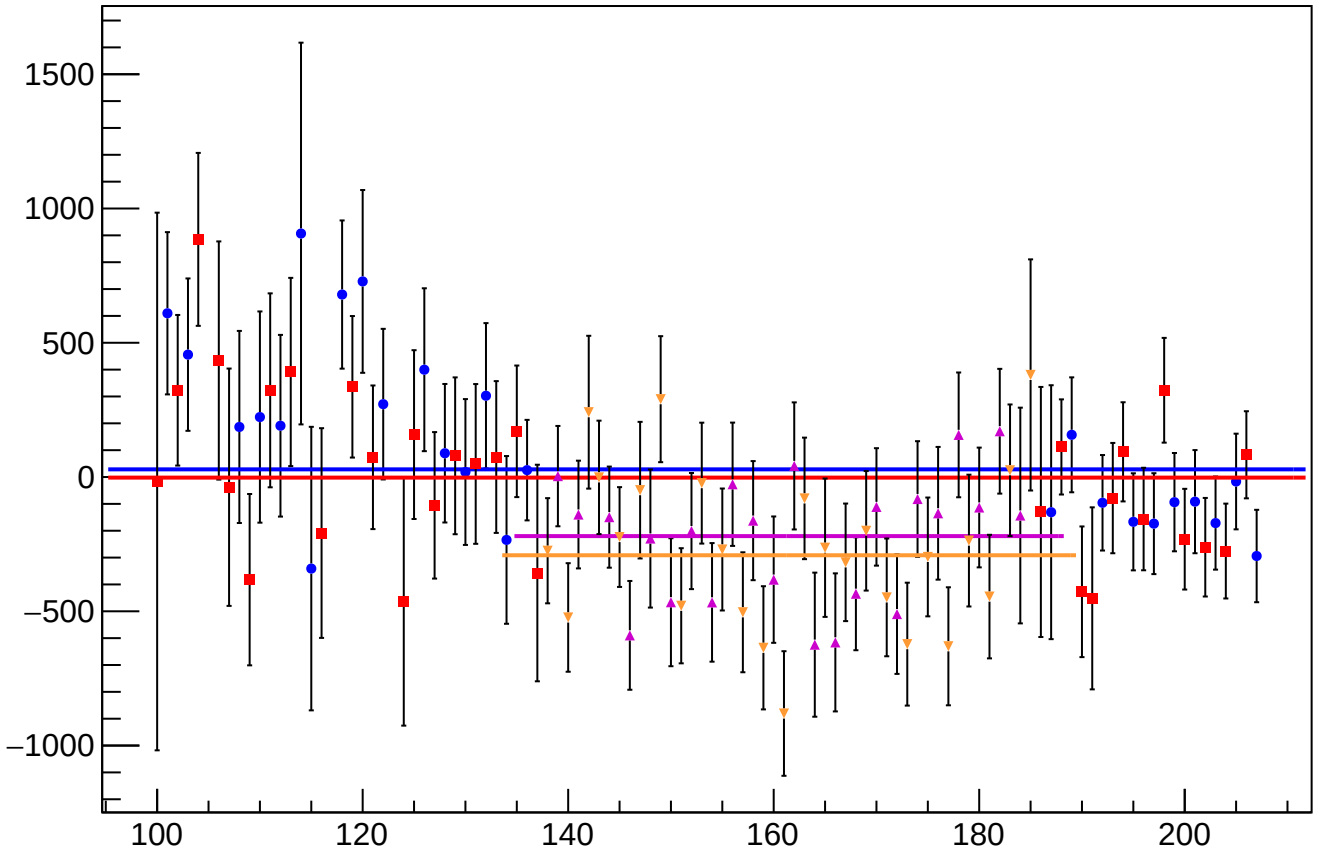
Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

Right: 2717.527+/-0.360 χ^2/NDF: 5524392.7/56

In: 1750.303+/-0.227 χ^2/NDF:6660379.8/48

Out: 1753.162+/-0.221 χ^2/NDF:8615180.4/55

All: 1751.766+/-0.158 χ^2/NDF: 15275641.7/1



Right In: 28.595+/-47.101 χ^2/NDF: 31.5/25

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

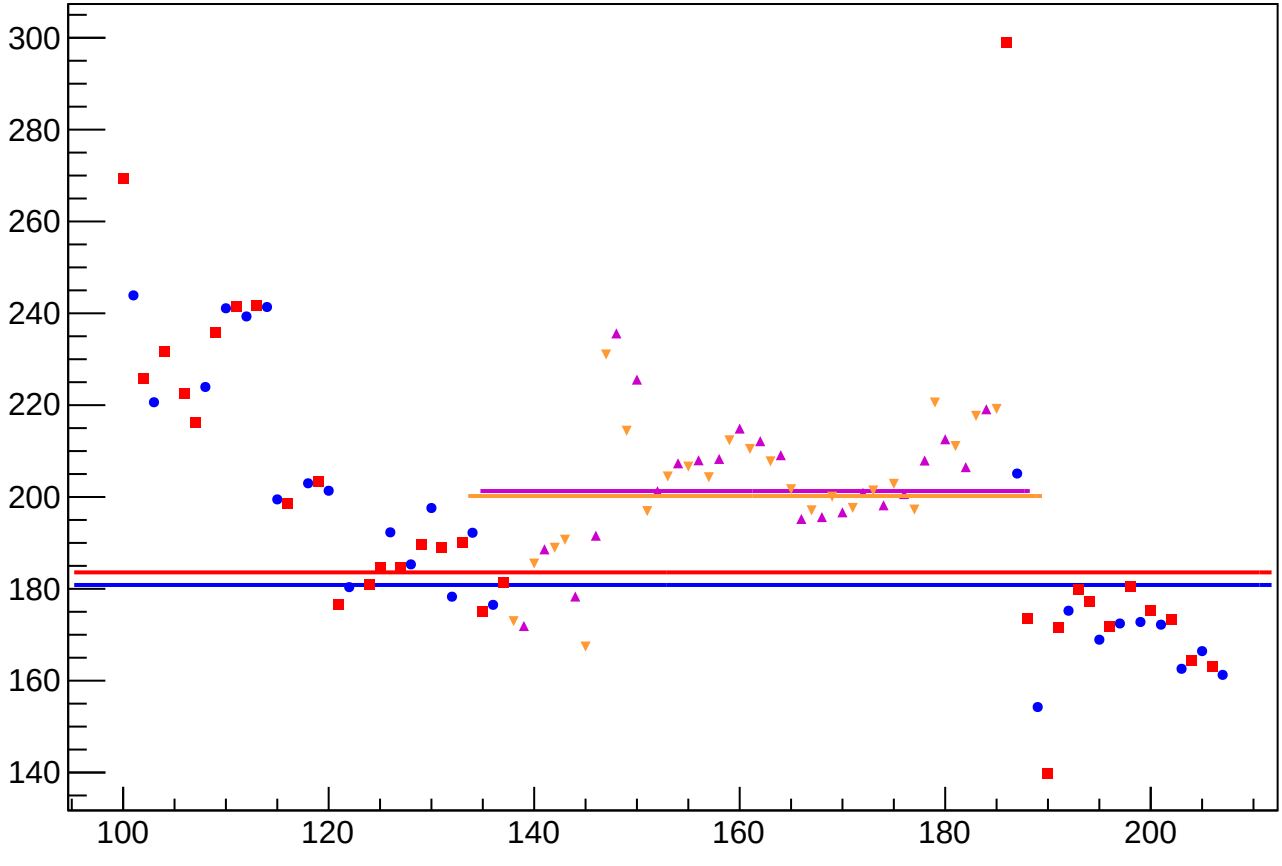
Right: 12.776+/-32.817 χ^2/NDF: 65.3/56

In: -95.575+/-33.321 χ^2/NDF:69.2/48

Out: -147.162+/-32.302 χ^2/NDF:90.0/55

All: -122.170+/-23.193 χ^2/NDF: 160.4/104

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 180.840+/-0.033 χ^2/NDF: 434245.8/25

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

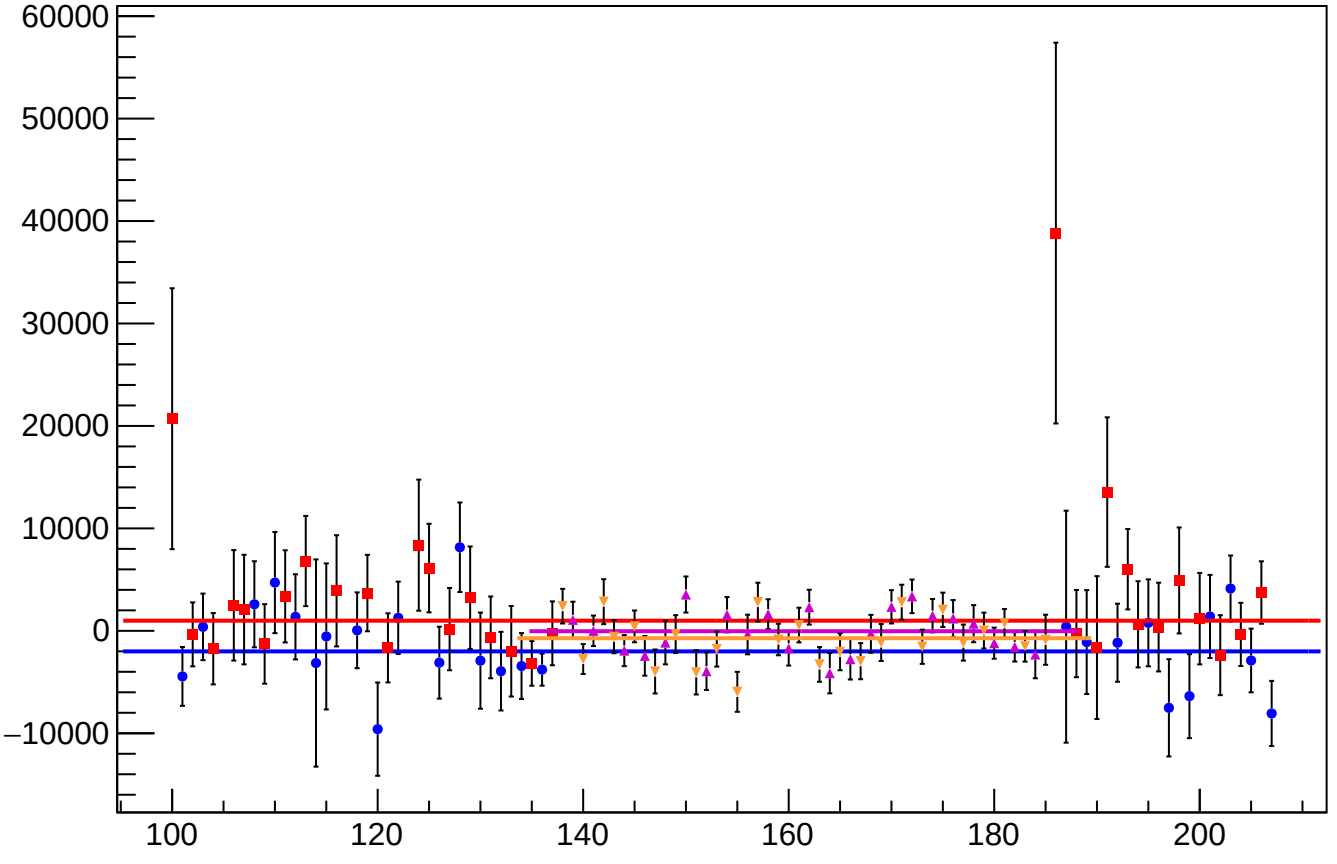
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 182.251+/-0.023 χ^2/NDF: 1022709.8/56

In: 191.059+/-0.024 χ^2/NDF:804361.4/48

Out: 191.921+/-0.023 χ^2/NDF:921859.3/55

All: 191.503+/-0.016 χ^2/NDF: 1726910.5/104



Right In: -2005.854+/-708.897 χ^2/NDF: 27.4/25

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

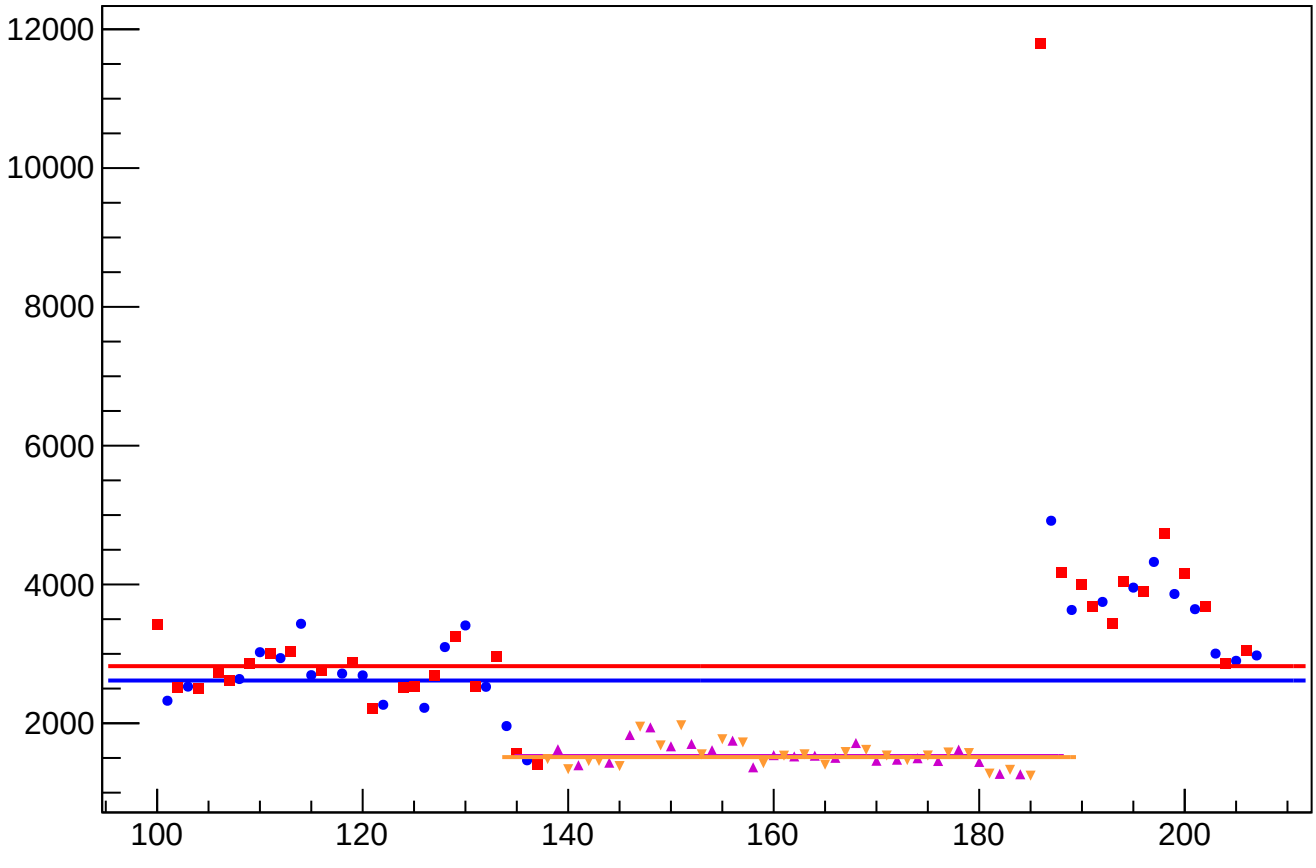
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -556.014+/-509.165 χ^2/NDF: 61.9/56

In: -441.153+/-320.461 χ^2/NDF:67.9/48

Out: -407.778+/-313.076 χ^2/NDF:68.6/55

All: -424.077+/-223.943 χ^2/NDF: 136.5/104



Right In: 2615.973+/-0.501 χ^2/NDF: 2538123.5/25

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

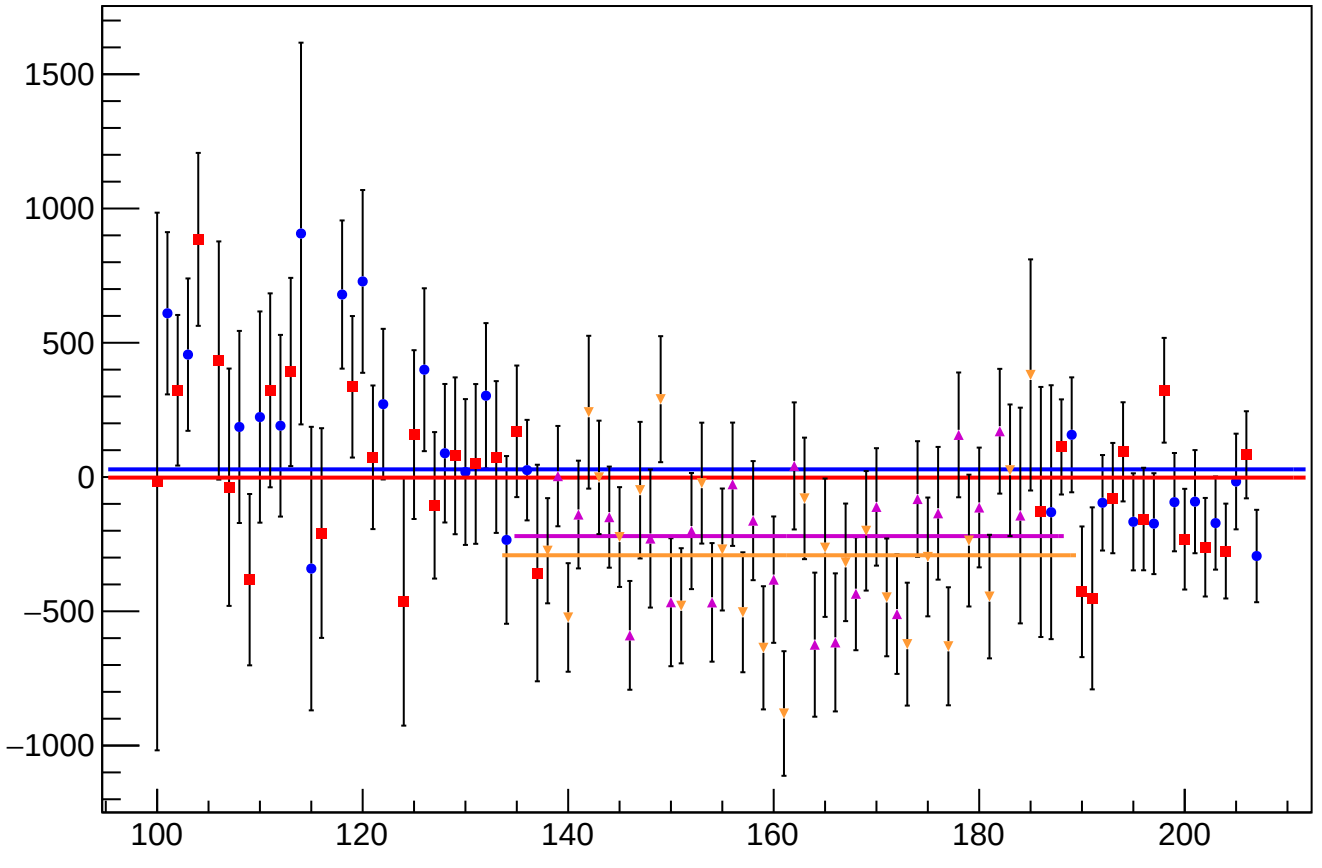
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2716.180+/-0.360 χ^2/NDF: 5522574.6/56

In: 1750.304+/-0.227 χ^2/NDF:6660390.9/48

Out: 1752.249+/-0.221 χ^2/NDF:8585360.9/55

All: 1751.299+/-0.158 χ^2/NDF: 15245789.4/1



Right In: 28.595+/-47.101 χ^2/NDF: 31.5/25

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

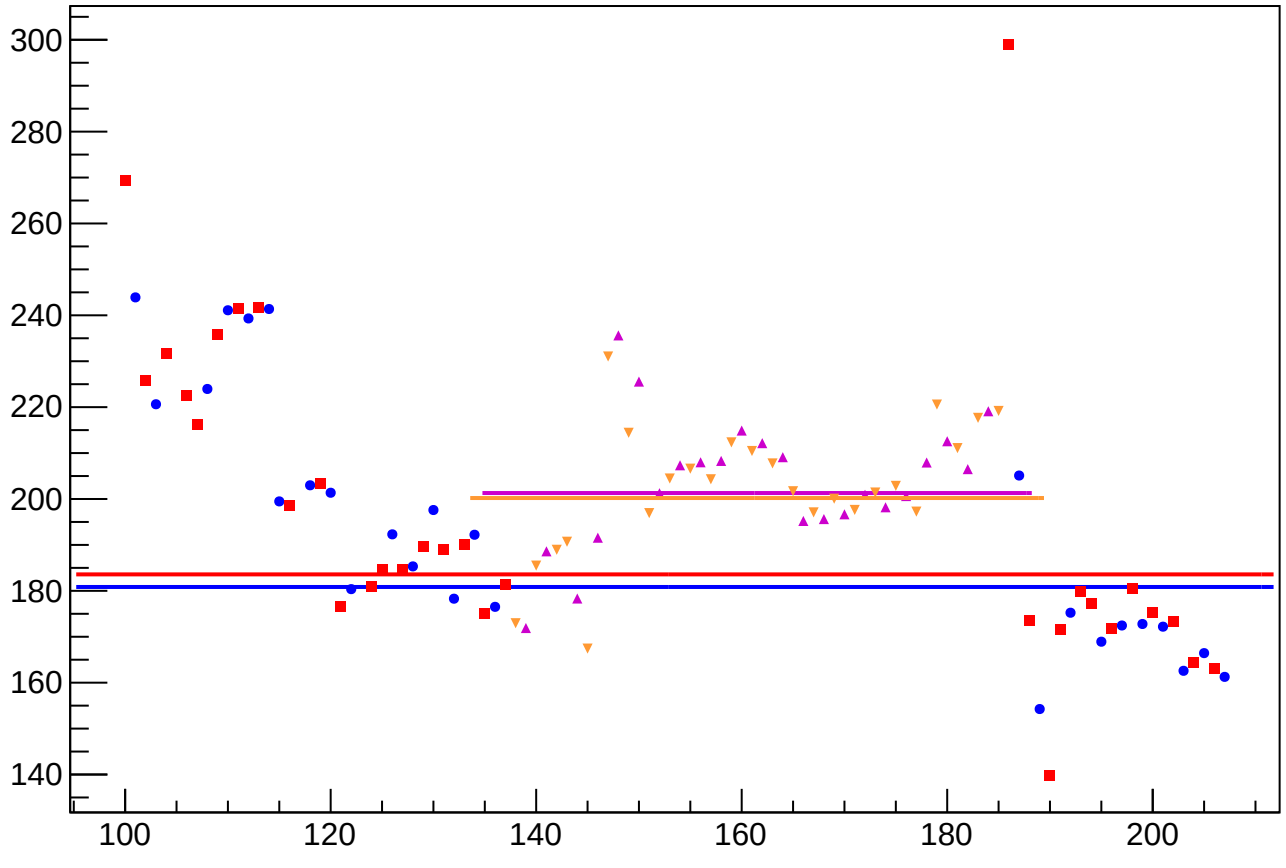
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 12.776+/-32.817 χ^2/NDF: 65.3/56

In: -95.575+/-33.321 χ^2/NDF:69.2/48

Out: -147.162+/-32.302 χ^2/NDF:90.0/55

All: -122.170+/-23.193 χ^2/NDF: 160.4/104



Right In: 180.840+/-0.033 χ^2/NDF: 434245.8/25

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

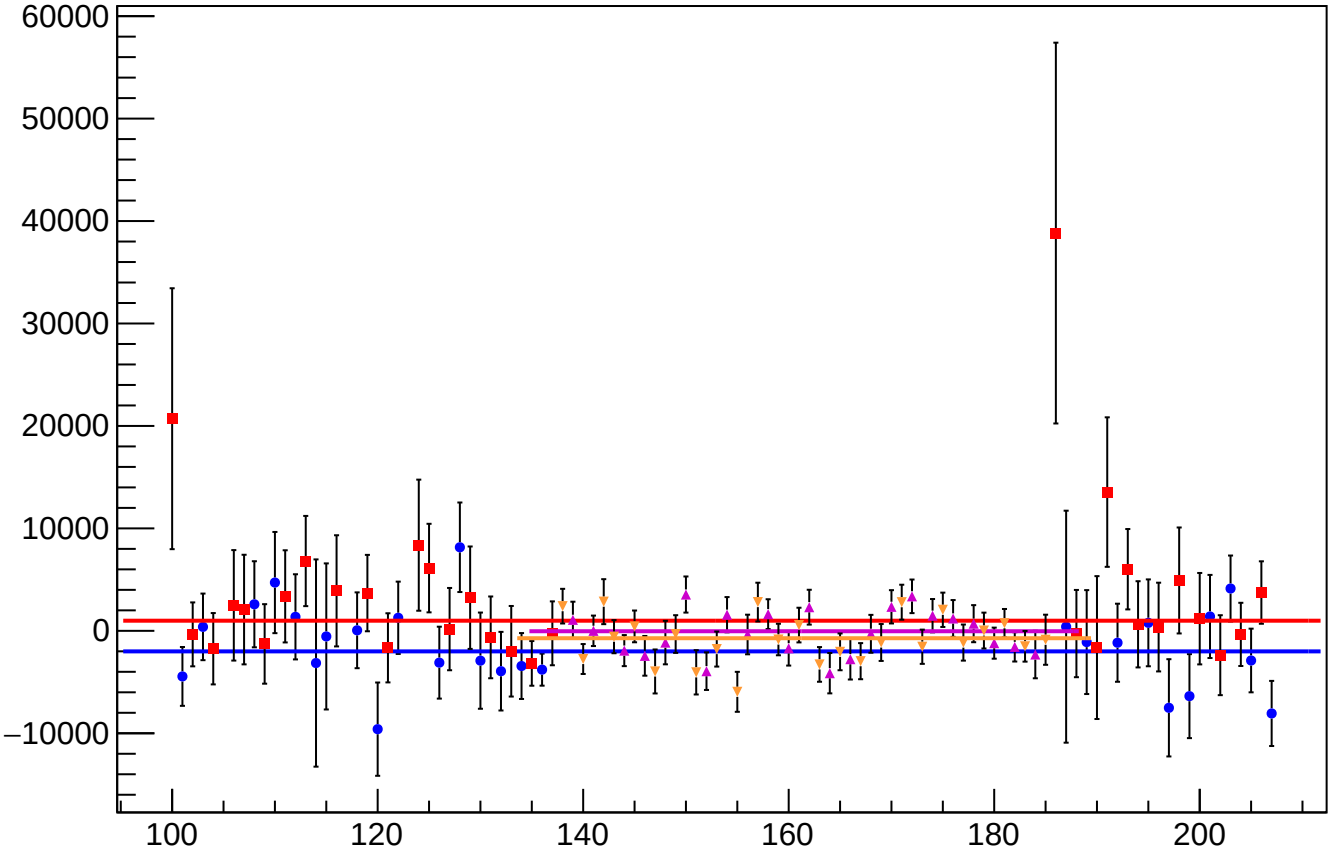
Right: 182.251+/-0.023 χ^2/NDF: 1022709.8/56

In: 191.059+/-0.024 χ^2/NDF:804361.4/48

Out: 191.921+/-0.023 χ^2/NDF:921859.3/55

All: 191.503+/-0.016 χ^2/NDF: 1726910.5/104

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -2005.854+/-708.897 χ^2/NDF: 27.4/25

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

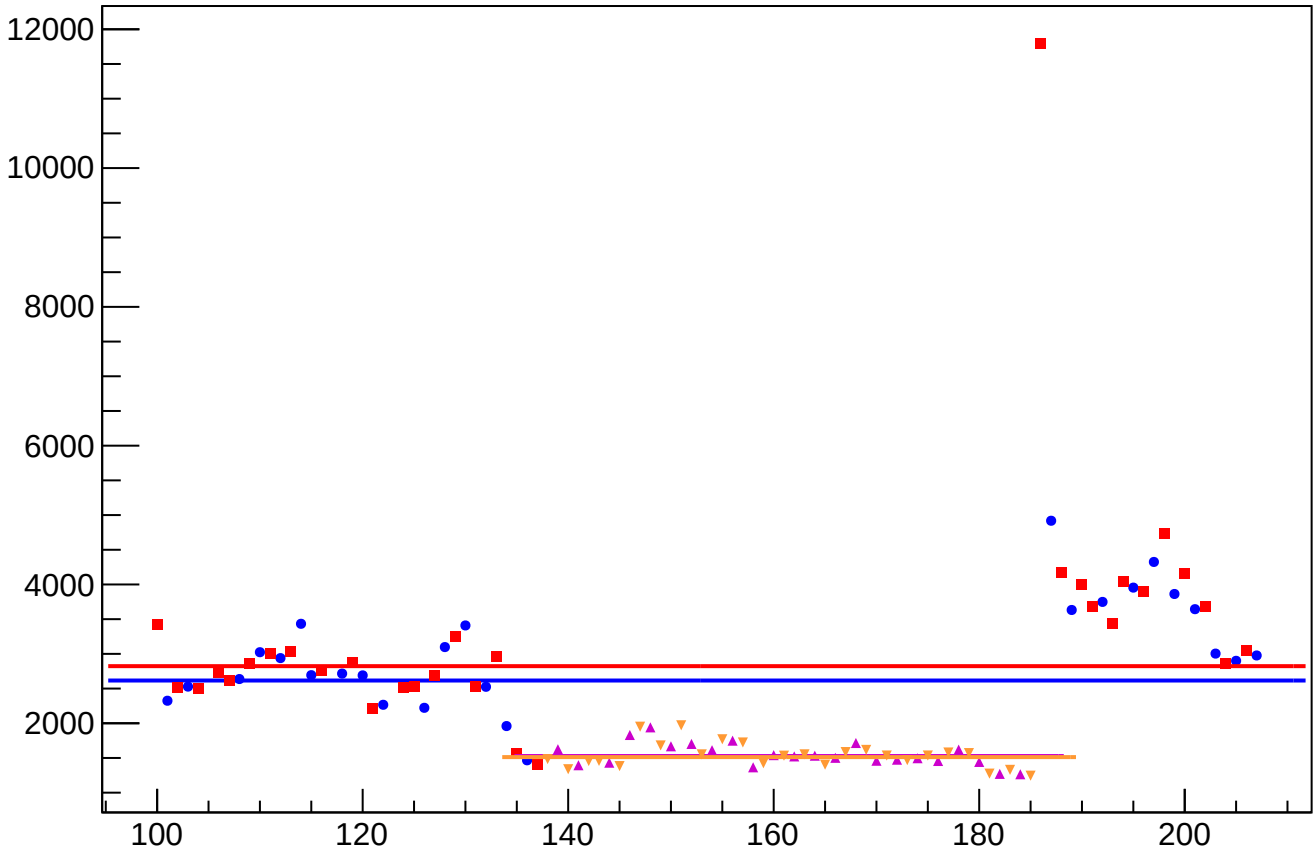
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -556.014+/-509.165 χ^2/NDF: 61.9/56

In: -441.153+/-320.461 χ^2/NDF:67.9/48

Out: -407.778+/-313.076 χ^2/NDF:68.6/55

All: -424.077+/-223.943 χ^2/NDF: 136.5/104



Right In: 2615.973+/-0.501 χ^2/NDF: 2538123.5/25

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

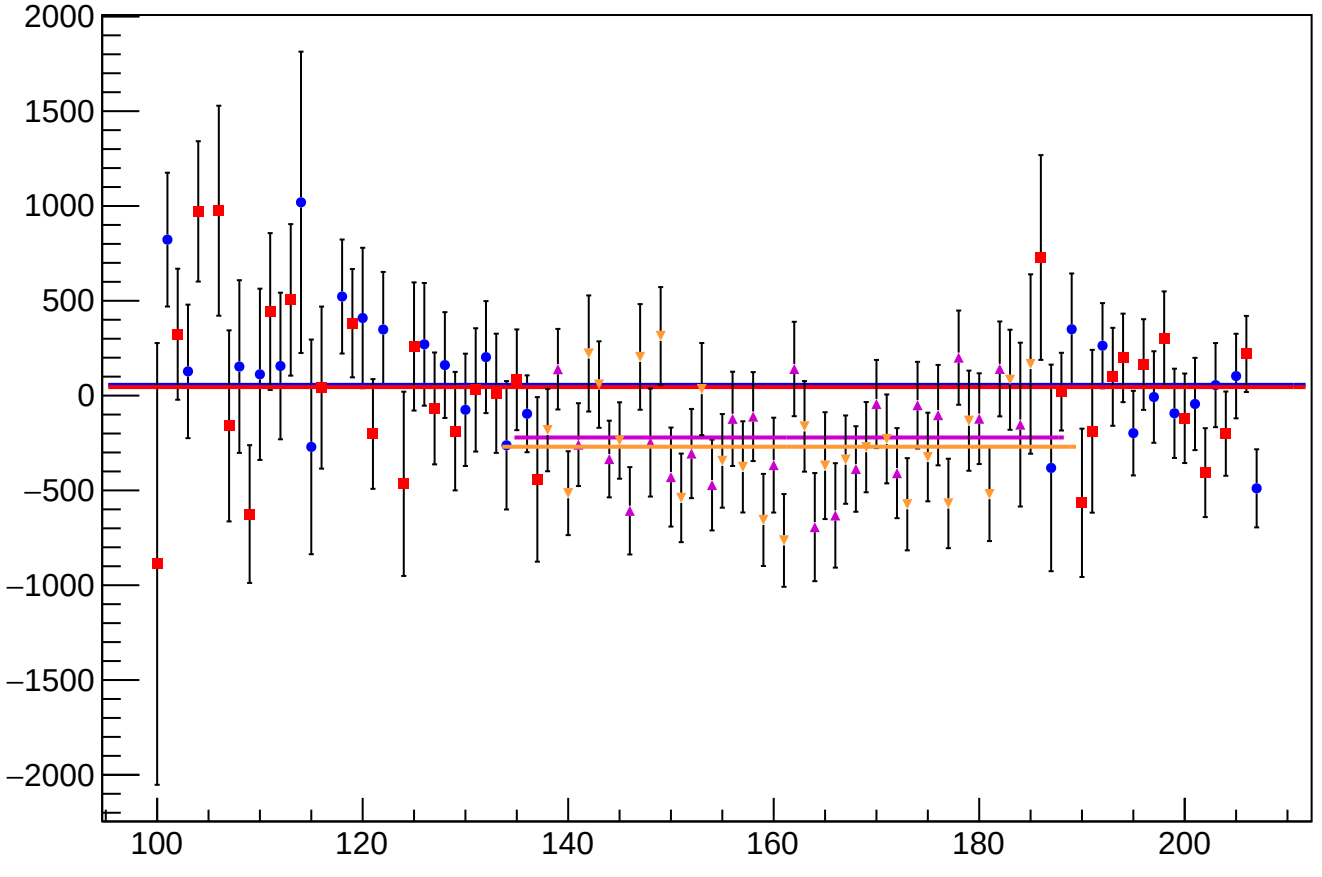
Right: 2716.180+/-0.360 χ^2/NDF: 5522574.6/56

In: 1750.304+/-0.227 χ^2/NDF:6660390.9/48

Out: 1752.249+/-0.221 χ^2/NDF:8585360.9/55

All: 1751.299+/-0.158 χ^2/NDF: 15245789.4/

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 56.653+/-56.277 χ^2/NDF: 24.9/25

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

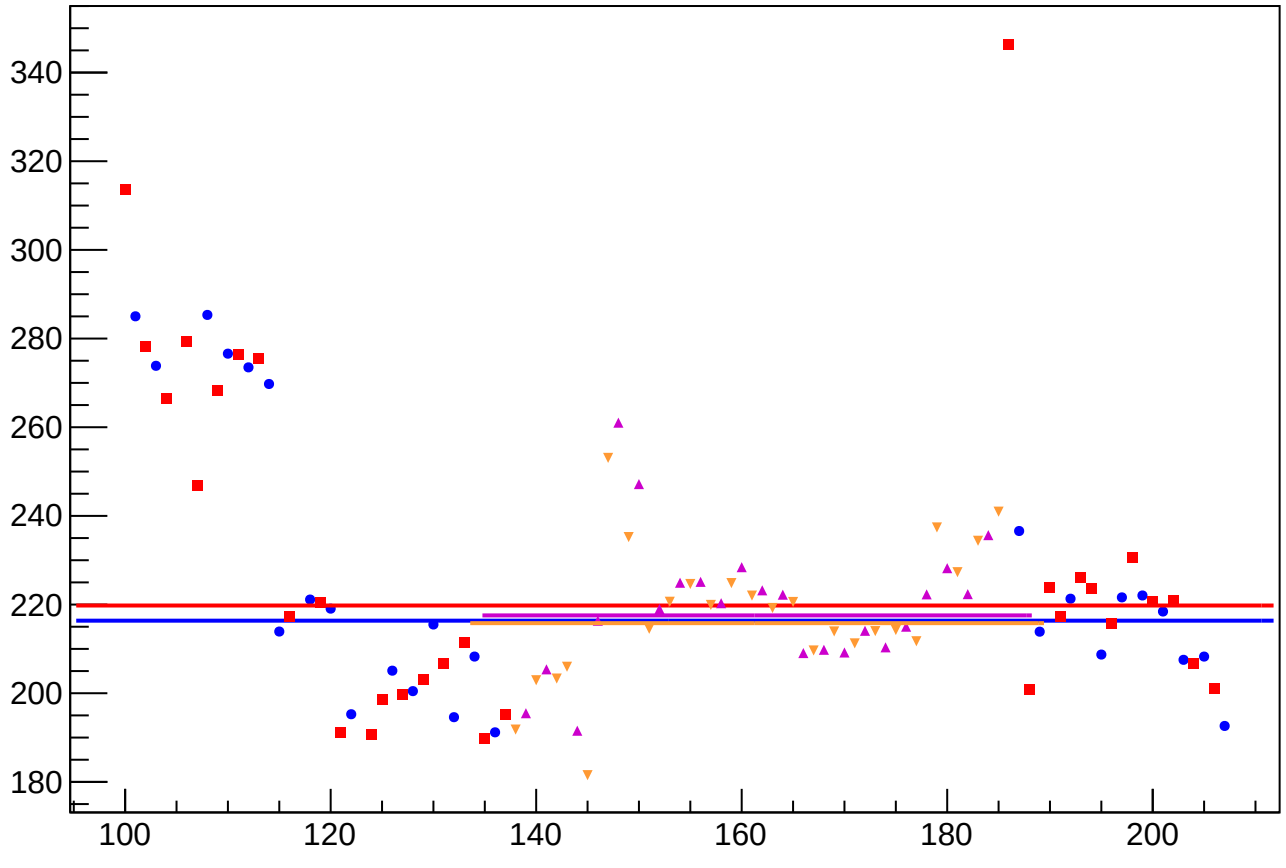
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 50.635+/-39.226 χ^2/NDF: 59.0/56

In: -95.878+/-37.773 χ^2/NDF:61.6/48

Out: -129.121+/-36.564 χ^2/NDF:83.9/55

All: -113.039+/-26.272 χ^2/NDF: 145.9/104



Right In: 216.367+/-0.040 χ^2/NDF: 366178.0/25

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

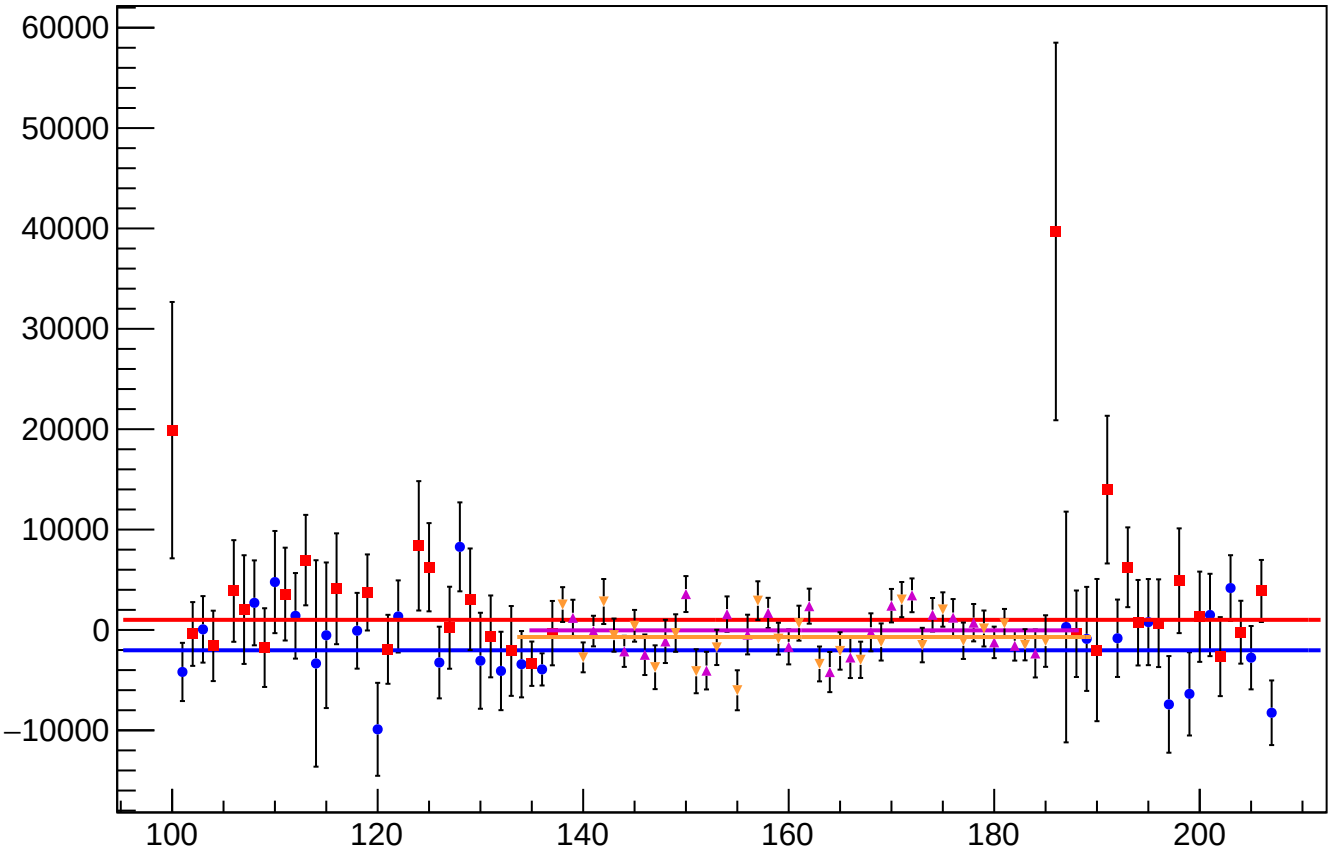
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 218.125+/-0.028 χ^2/NDF: 857272.9/56

In: 217.020+/-0.027 χ^2/NDF:527733.8/48

Out: 217.585+/-0.026 χ^2/NDF:681854.6/55

All: 217.311+/-0.019 χ^2/NDF: 1209819.2/104



Right In: -2027.038+/-721.906 χ^2/NDF: 27.2/25

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

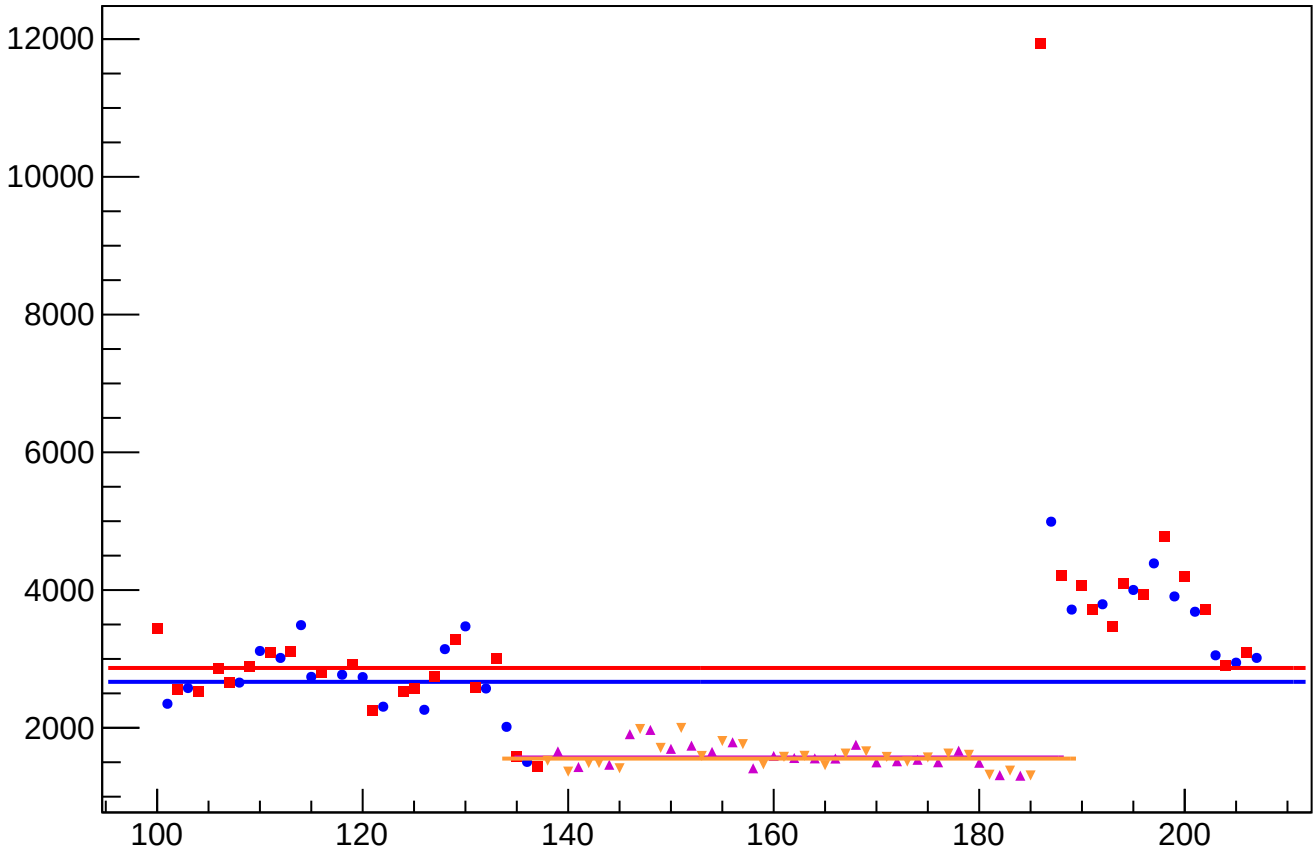
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

Right: -550.710+/-517.277 χ^2/NDF: 62.7/56

In: -451.118+/-328.476 χ^2/NDF:67.6/48

Out: -384.308+/-320.540 χ^2/NDF:68.8/55

All: -416.896+/-229.410 χ^2/NDF: 136.4/104



Right In: 2667.457+/-0.510 χ^2/NDF: 2477286.7/25

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

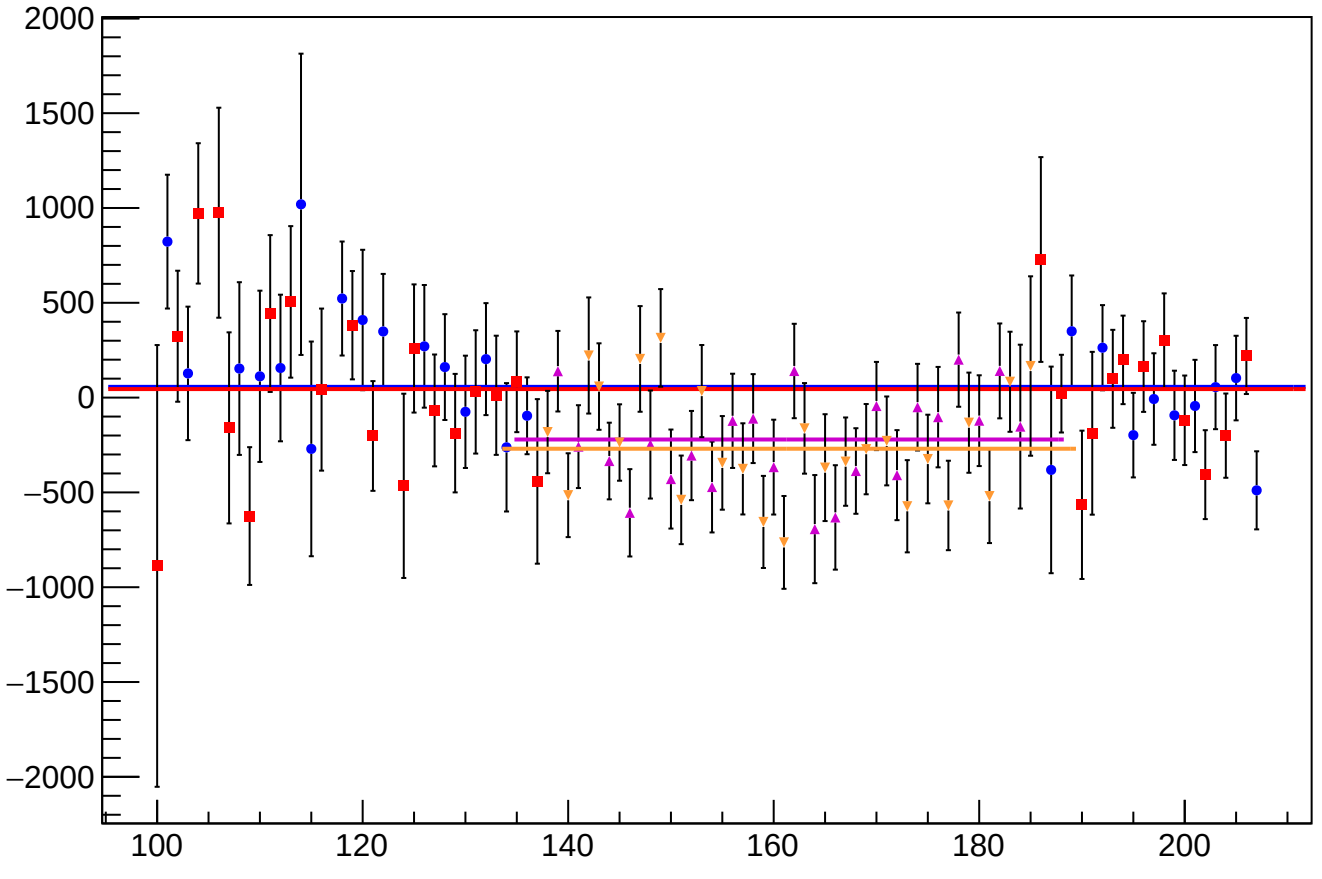
Left: 1560.898+/-0.181 χ^2/NDF: 769456.5/47

Right: 2765.414+/-0.366 χ^2/NDF: 5413226.1/56

In: 1796.724+/-0.232 χ^2/NDF:6504082.2/48

Out: 1798.850+/-0.227 χ^2/NDF:8390046.5/55

All: 1797.813+/-0.162 χ^2/NDF: 14894171.6/1



Right In: 56.656+/-56.277 χ^2/NDF: 24.9/25

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

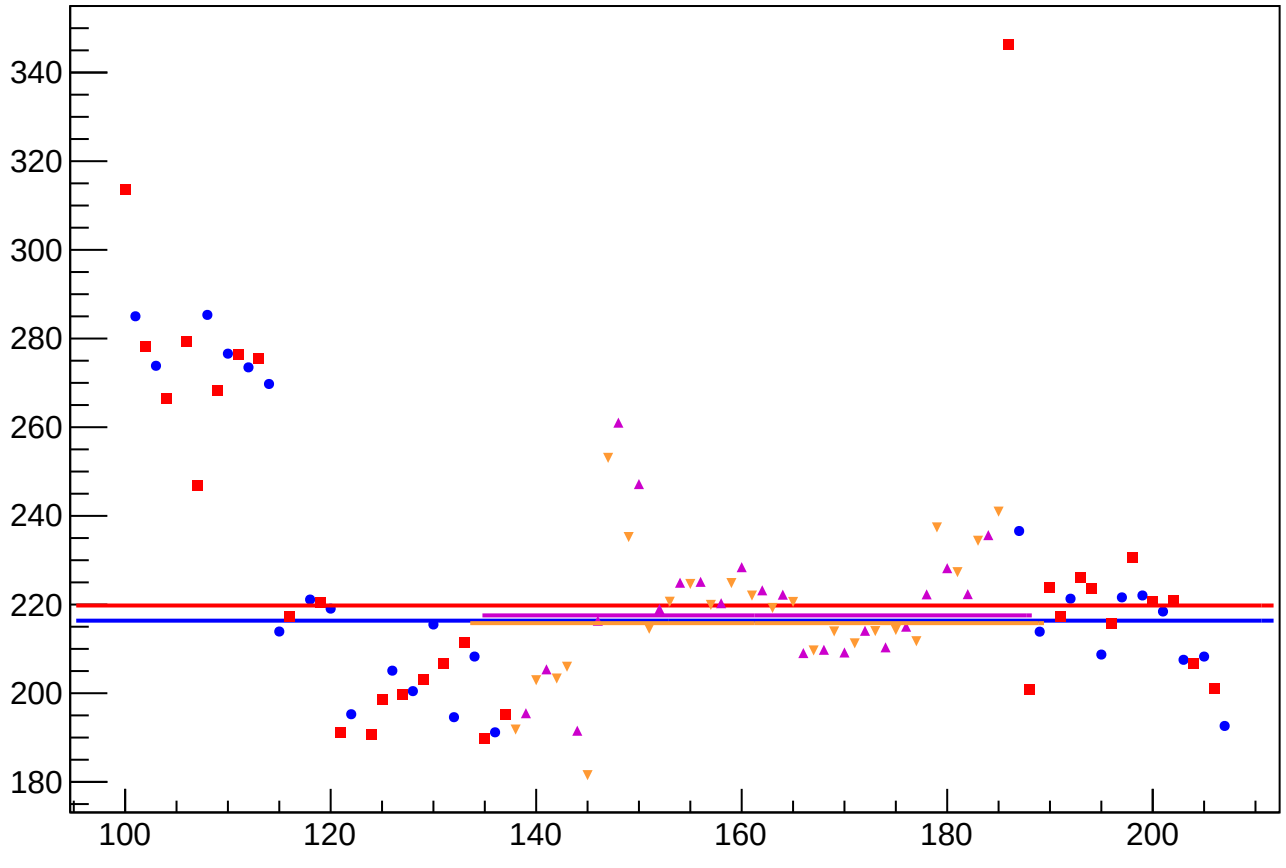
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 50.637+/-39.226 χ^2/NDF: 59.0/56

In: -95.876+/-37.773 χ^2/NDF:61.6/48

Out: -129.121+/-36.564 χ^2/NDF:83.9/55

All: -113.039+/-26.272 χ^2/NDF: 145.9/104



Right In: 216.367+/-0.040 χ^2/NDF: 366169.3/25

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

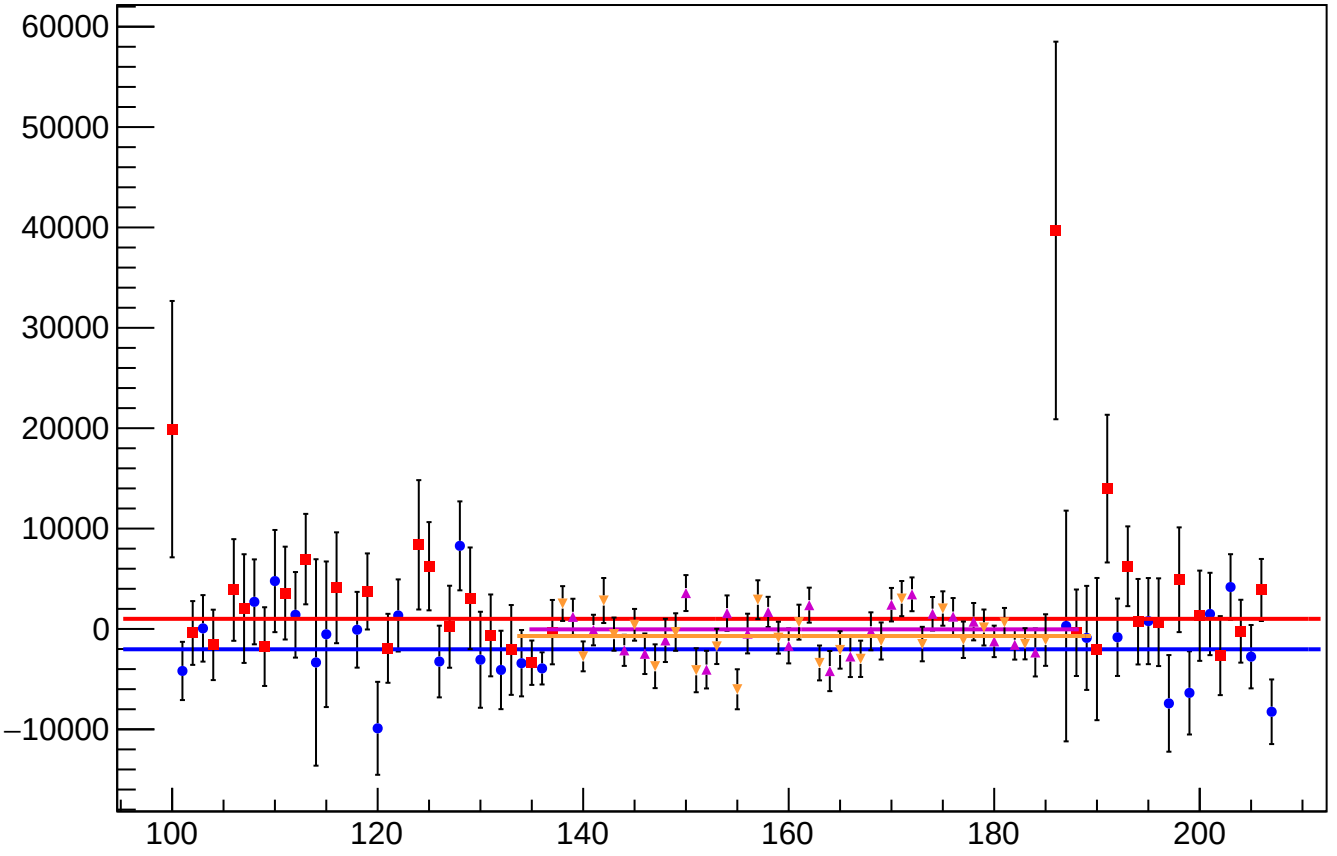
Right: 218.125+/-0.028 χ^2/NDF: 857247.4/56

In: 217.019+/-0.027 χ^2/NDF:527728.0/48

Out: 217.584+/-0.026 χ^2/NDF:681840.8/55

All: 217.311+/-0.019 χ^2/NDF: 1209799.6/104

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -2027.035+/-721.905 χ^2/NDF: 27.2/25

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

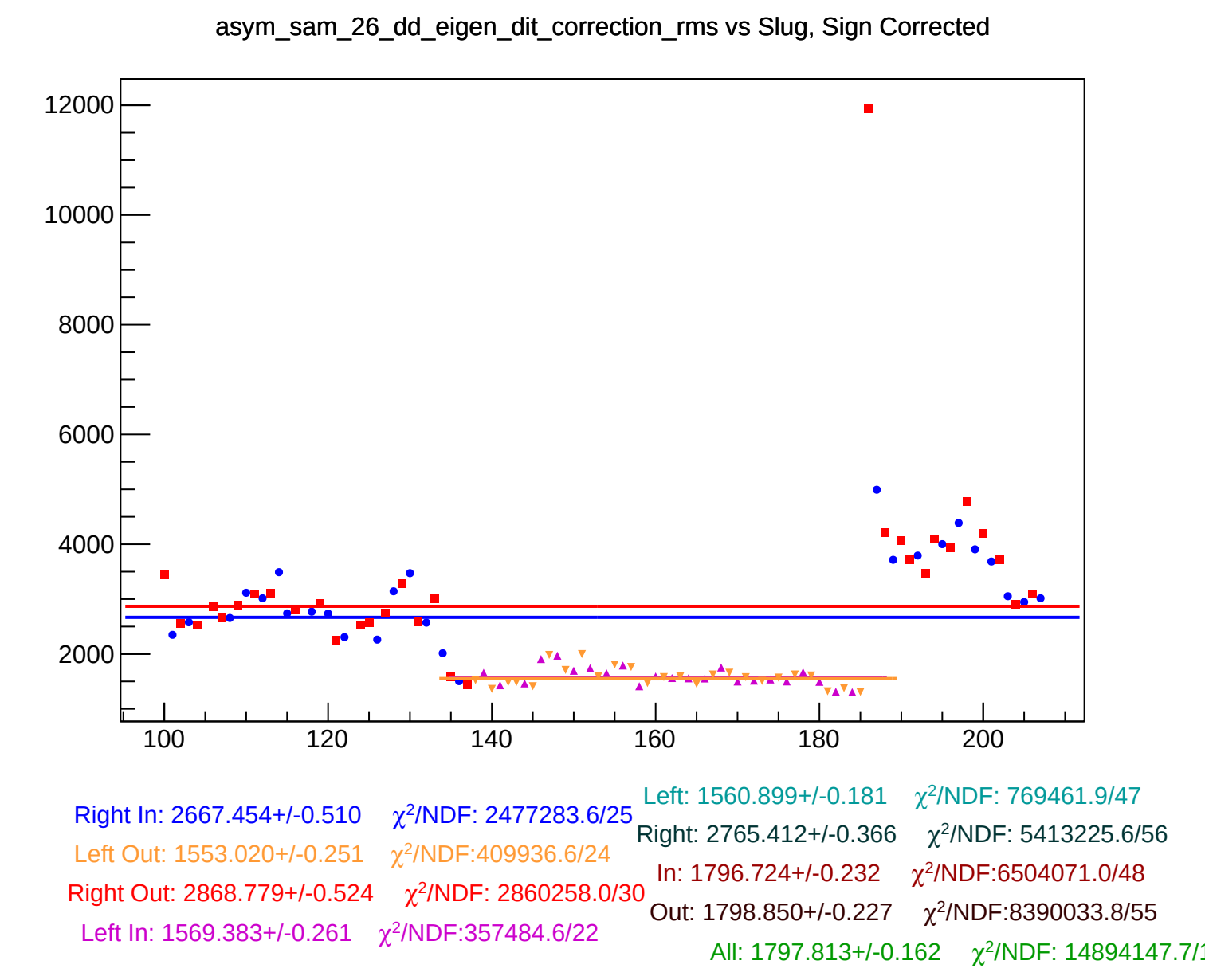
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -550.708+/-517.277 χ^2/NDF: 62.7/56

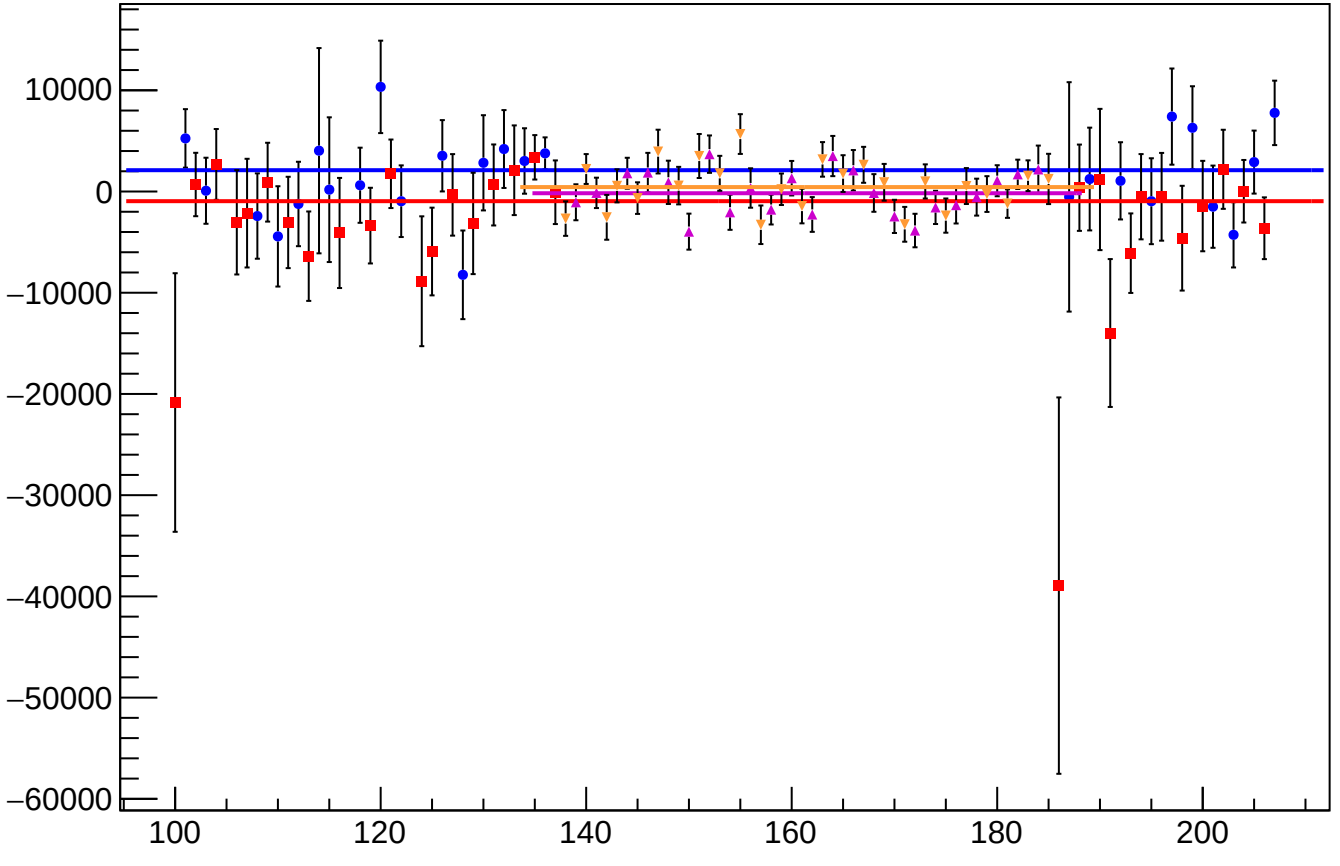
In: -451.117+/-328.476 χ^2/NDF:67.6/48

Out: -384.307+/-320.540 χ^2/NDF:68.8/55

All: -416.895+/-229.410 χ^2/NDF: 136.4/104


asym_sam_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2667.454+/-0.510 χ²/NDF: 2477283.6/25
Left Out: 1553.020+/-0.251 χ²/NDF:409936.6/24
Right Out: 2868.779+/-0.524 χ²/NDF: 2860258.0/30
Left In: 1569.383+/-0.261 χ²/NDF:357484.6/22
Left: 1560.899+/-0.181 χ²/NDF: 769461.9/47
Right: 2765.412+/-0.366 χ²/NDF: 5413225.6/56
In: 1796.724+/-0.232 χ²/NDF:6504071.0/48
Out: 1798.850+/-0.227 χ²/NDF:8390033.8/55
All: 1797.813+/-0.162 χ²/NDF: 14894147.7/

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 2105.888+/-711.541 χ^2/NDF: 27.5/25

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

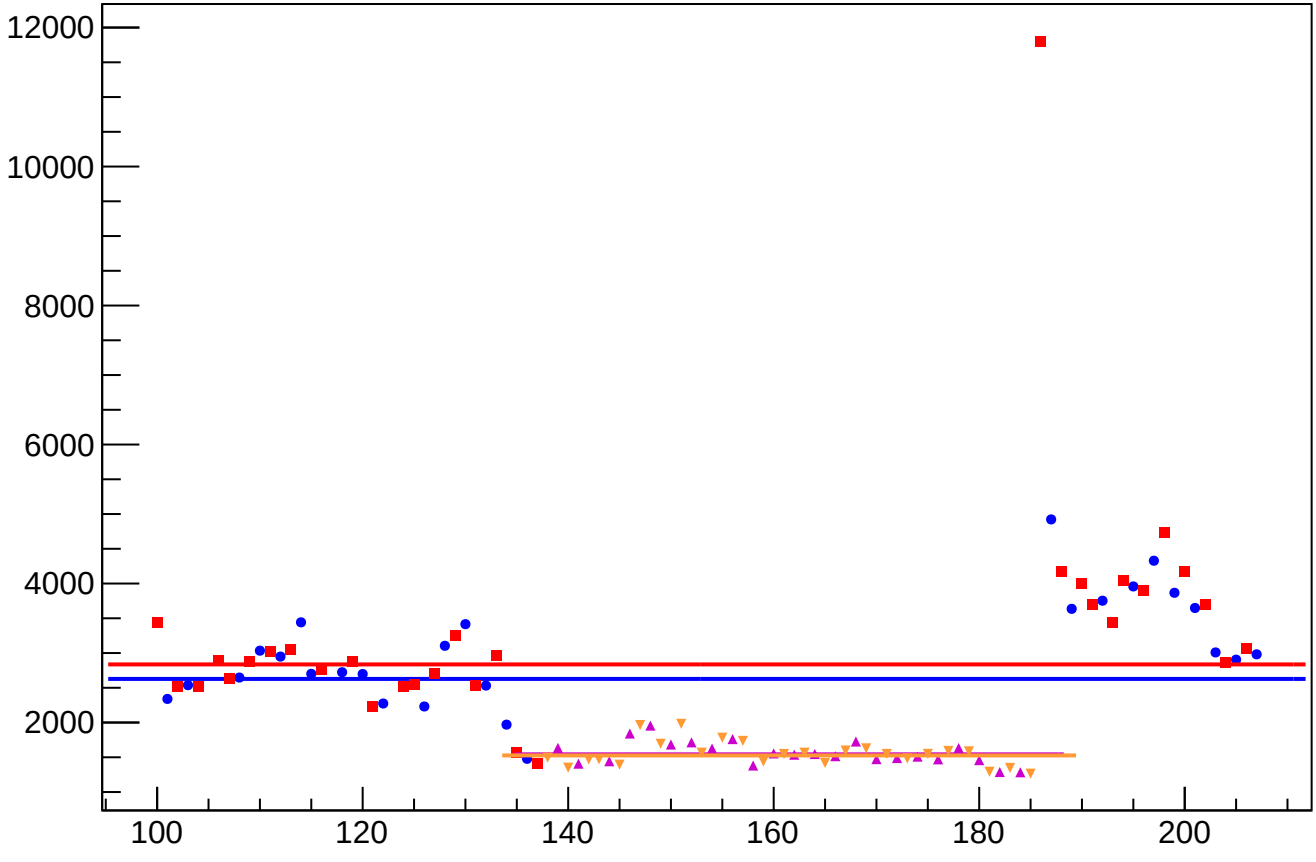
Right: 621.926+/-510.677 χ^2/NDF: 62.8/56

In: 299.218+/-323.034 χ^2/NDF:68.7/48

Out: 179.791+/-315.563 χ^2/NDF:68.1/55

All: 238.108+/-225.732 χ^2/NDF: 136.8/104

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2627.618+/-0.503 χ^2/NDF: 2500726.2/25

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

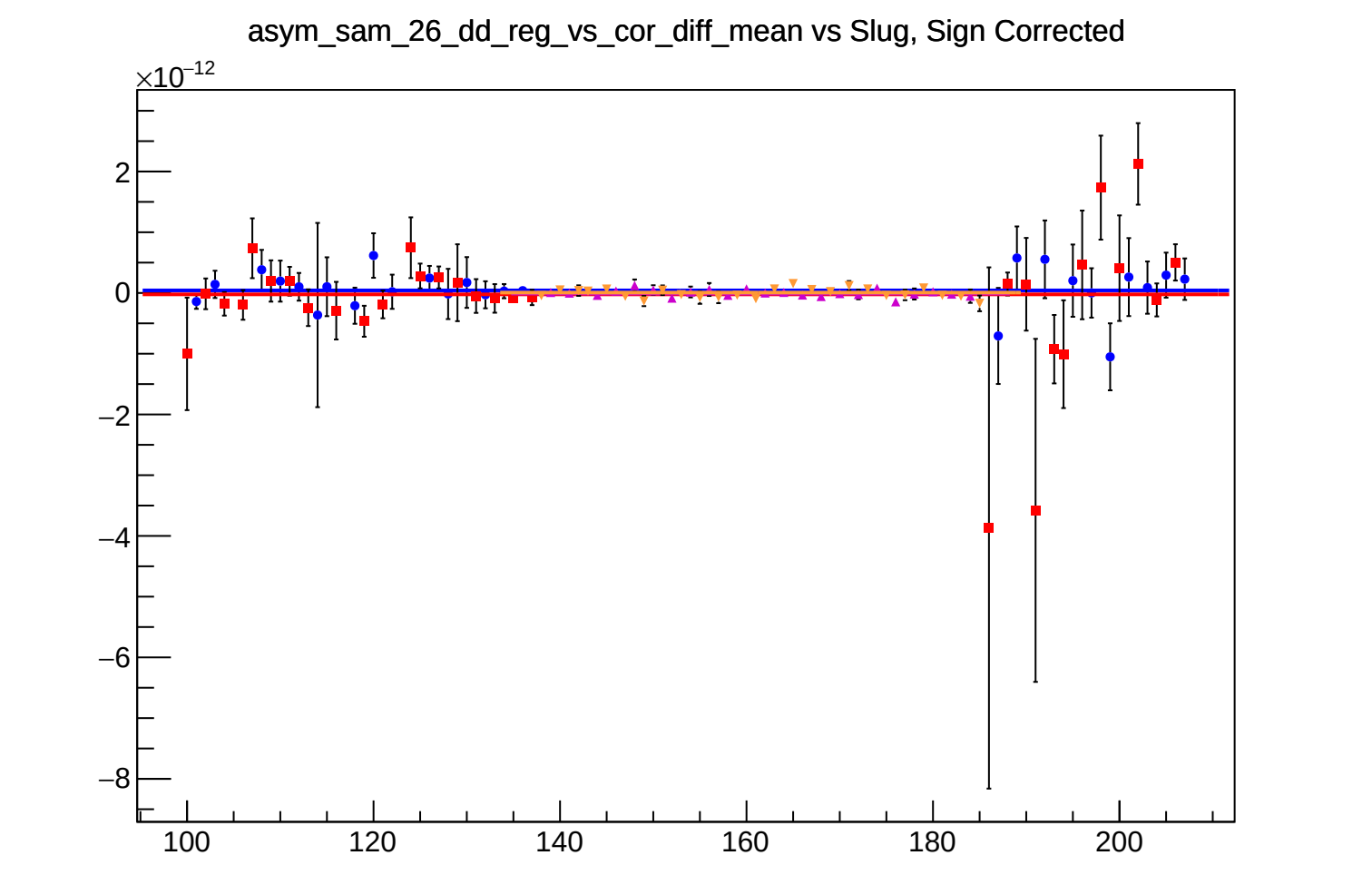
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2728.736+/-0.361 χ^2/NDF: 5453706.2/56

In: 1765.964+/-0.228 χ^2/NDF:6557345.9/48

Out: 1769.170+/-0.223 χ^2/NDF:8494652.1/55

All: 1767.605+/-0.160 χ^2/NDF: 15052098.8/1



Right In: 0.000+/-0.000 χ^2/NDF: 15.9/25

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.8/30

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

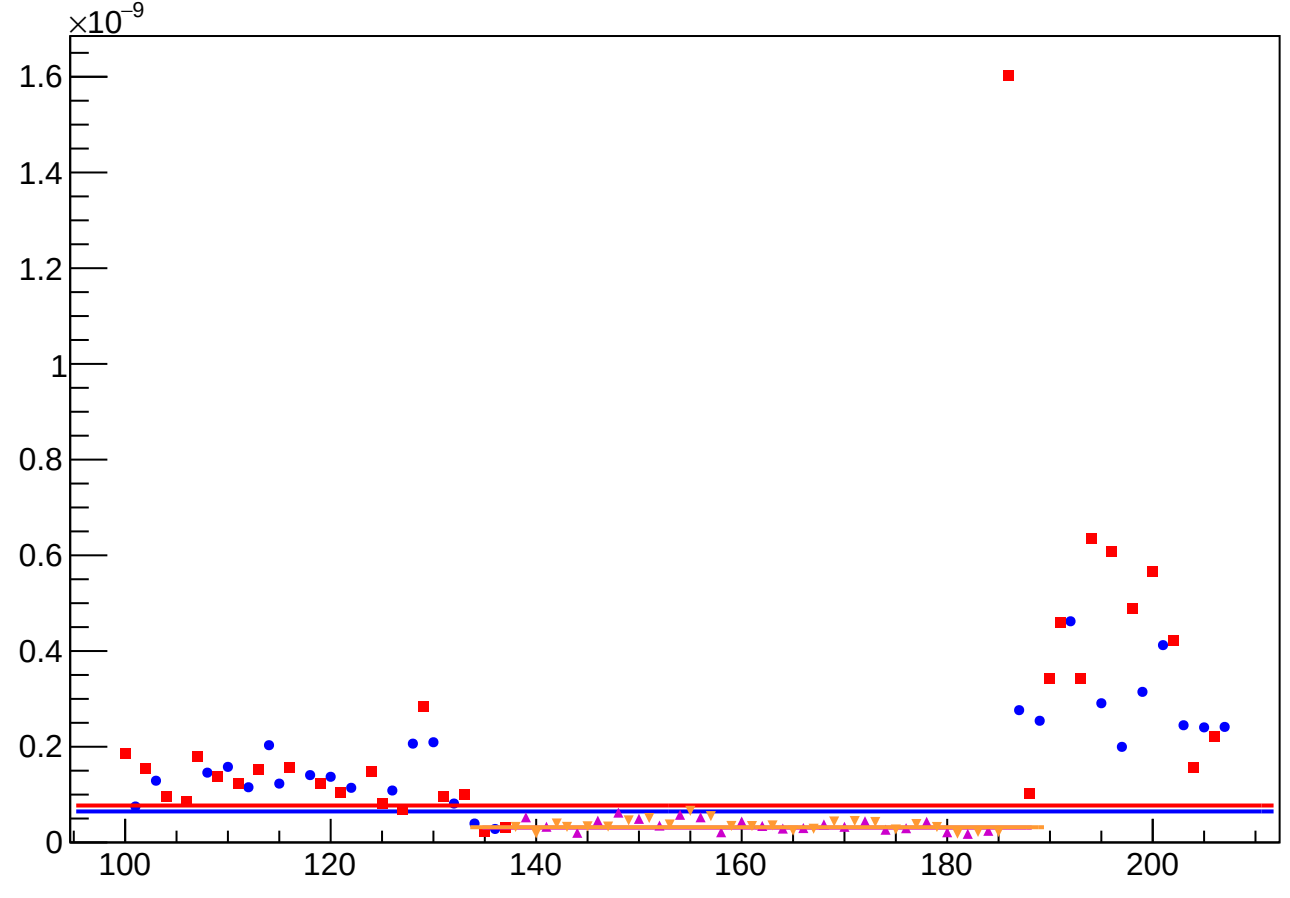
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 61.2/56

In: -0.000+/-0.000 χ^2/NDF:34.9/48

Out: 0.000+/-0.000 χ^2/NDF:75.1/55

All: 0.000+/-0.000 χ^2/NDF: 110.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 6806536.4/25

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

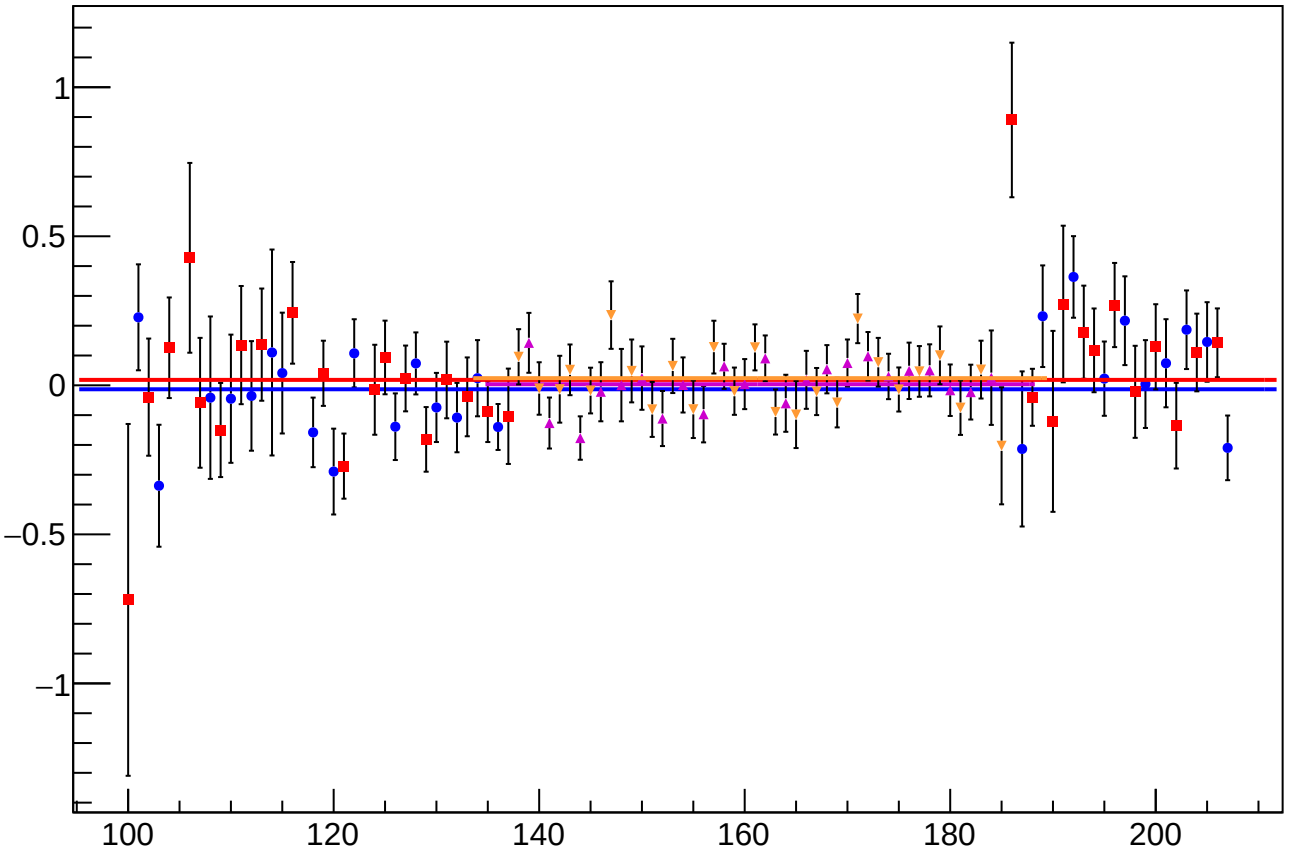
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14351979.2/56

In: 0.000+/-0.000 χ^2/NDF:10023364.0/48

Out: 0.000+/-0.000 χ^2/NDF:10931717.6/55

All: 0.000+/-0.000 χ^2/NDF: 20958401.7/104



Right In: -0.013+/-0.027 χ^2/NDF: 36.7/25

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

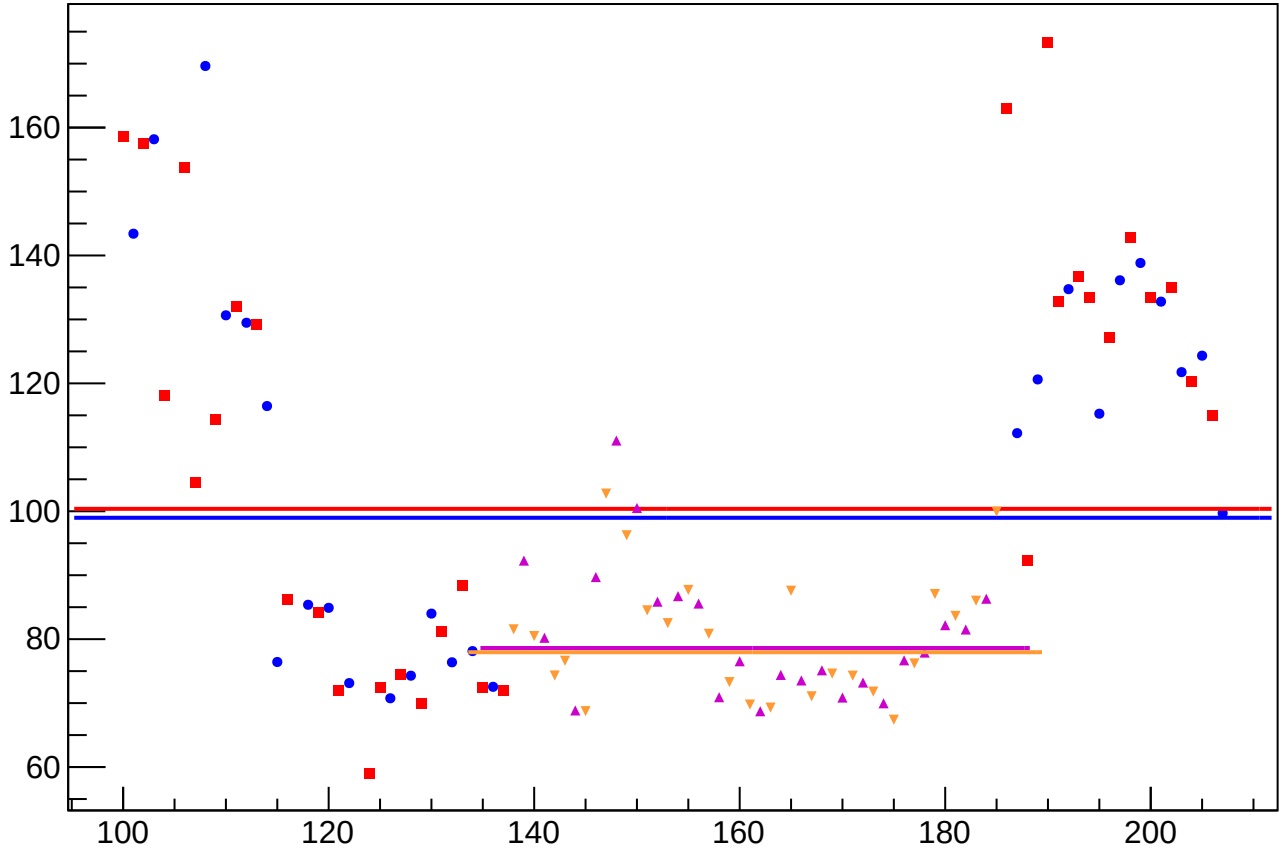
Right: 0.003+/-0.019 χ^2/NDF: 78.6/56

In: -0.002+/-0.015 χ^2/NDF:55.8/48

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.011+/-0.011 χ^2/NDF: 123.8/104

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.982+/-0.019 χ^2/NDF: 2056619.1/25

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

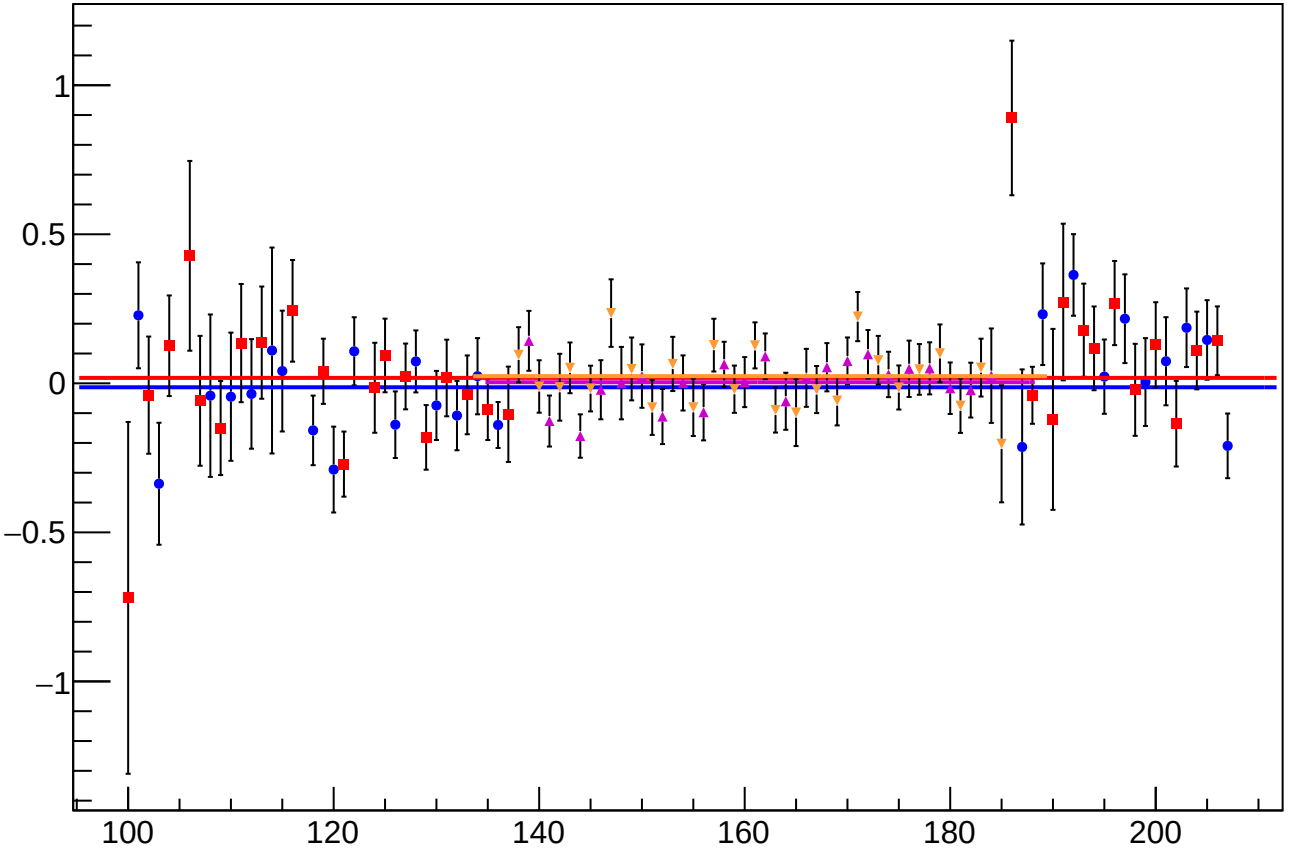
Right: 99.700+/-0.013 χ^2/NDF: 4448150.5/56

In: 85.257+/-0.011 χ^2/NDF:3339379.8/48

Out: 85.162+/-0.010 χ^2/NDF:3841709.7/55

All: 85.208+/-0.007 χ^2/NDF: 7181129.5/104

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.027 χ^2/NDF: 36.7/25

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

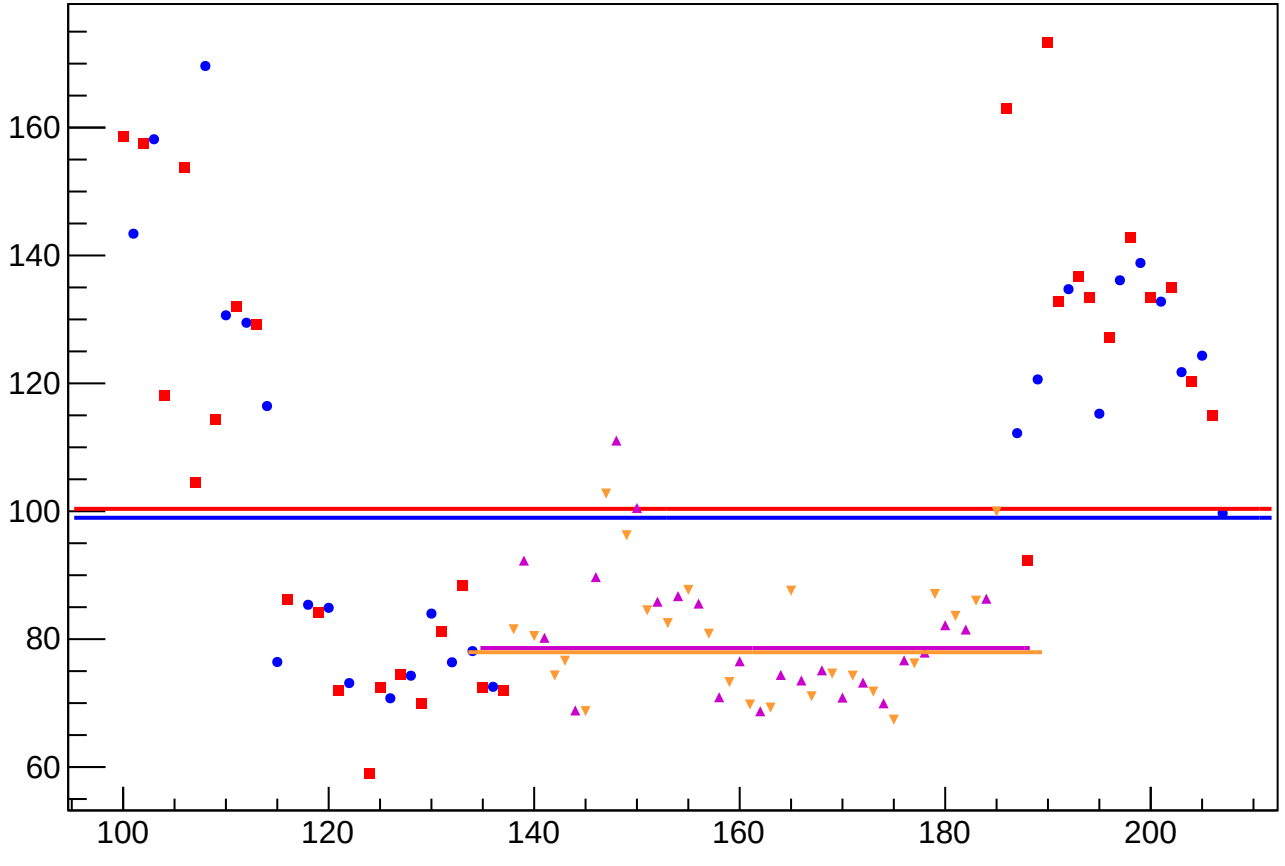
Right: 0.003+/-0.019 χ^2/NDF: 78.6/56

In: -0.002+/-0.015 χ^2/NDF:55.8/48

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.011+/-0.011 χ^2/NDF: 123.8/104

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.982+/-0.019 χ^2/NDF: 2056619.1/25

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

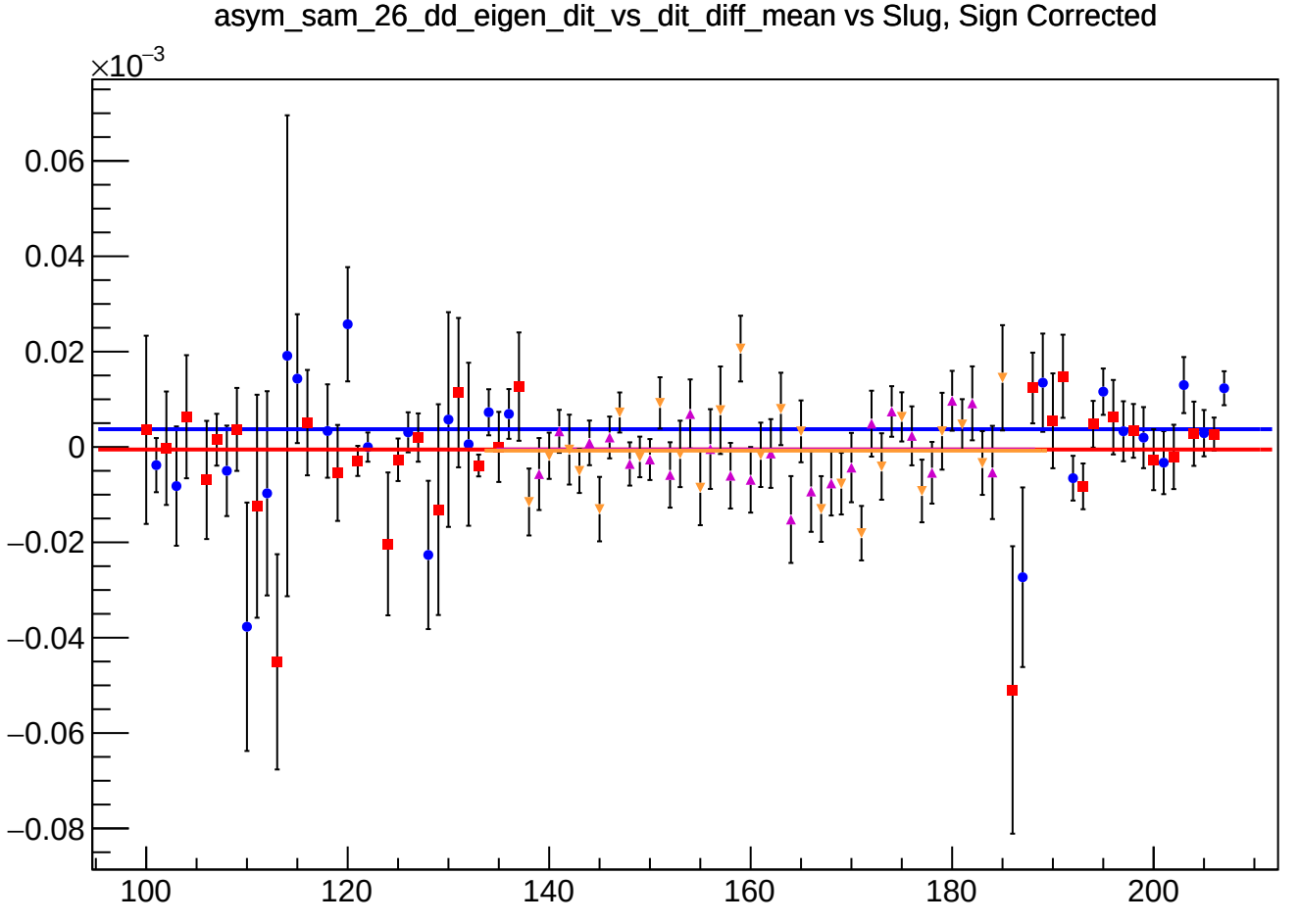
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 99.700+/-0.013 χ^2/NDF: 4448150.5/56

In: 85.257+/-0.011 χ^2/NDF:3339379.8/48

Out: 85.162+/-0.010 χ^2/NDF:3841709.7/55

All: 85.208+/-0.007 χ^2/NDF: 7181129.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 36.4/25

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

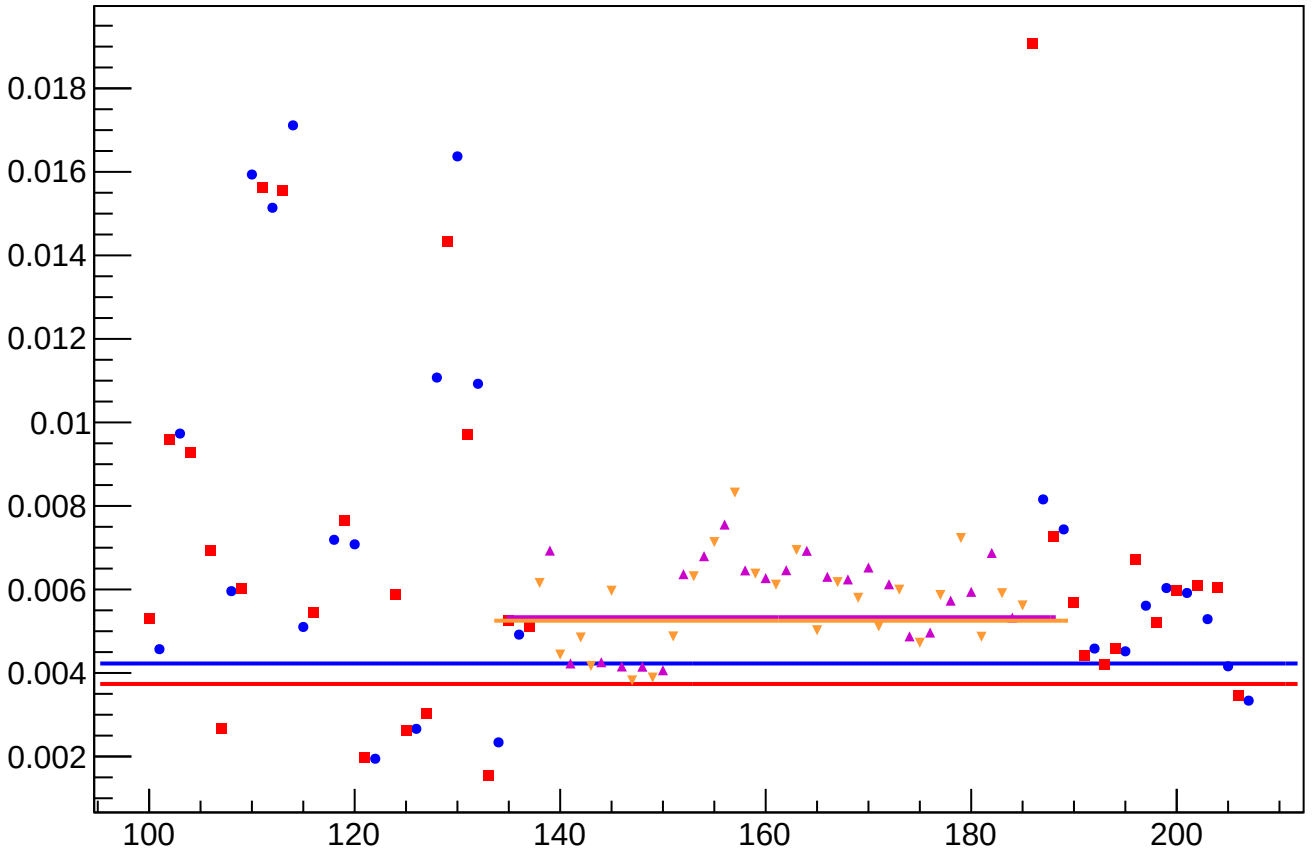
Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

Right: 0.000+/-0.000 χ^2/NDF: 71.5/56

In: 0.000+/-0.000 χ^2/NDF:60.8/48

Out: -0.000+/-0.000 χ^2/NDF:76.0/55

All: 0.000+/-0.000 χ^2/NDF: 140.4/104



Right In: 0.004+/-0.000 χ^2/NDF: 5700432.3/25

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

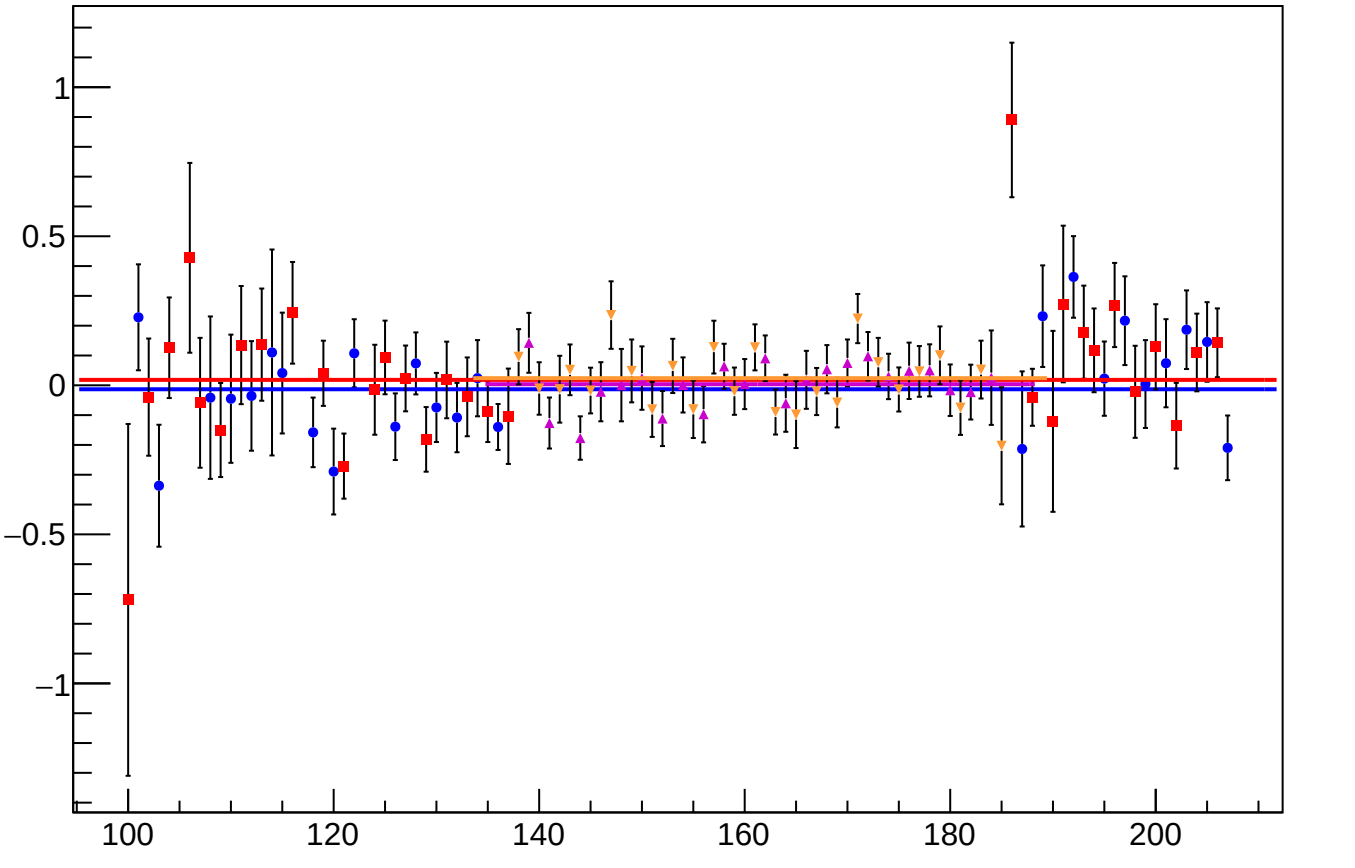
Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

Right: 0.004+/-0.000 χ^2/NDF: 14336594.5/56

In: 0.005+/-0.000 χ^2/NDF:7980743.7/48

Out: 0.004+/-0.000 χ^2/NDF:11676307.5/55

All: 0.005+/-0.000 χ^2/NDF: 19828309.2/104



Right In: -0.013+/-0.027 χ^2/NDF: 36.7/25

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

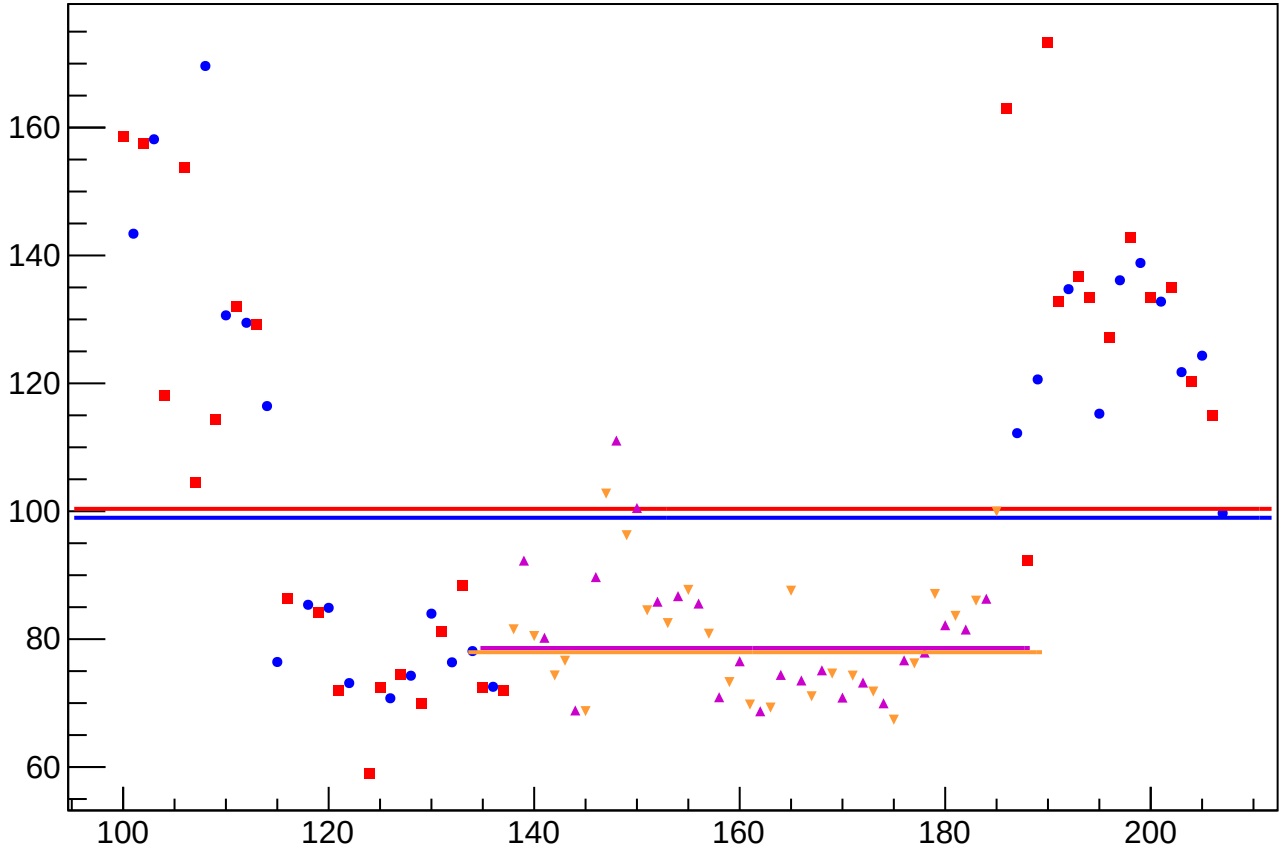
Right: 0.003+/-0.019 χ^2/NDF: 78.6/56

In: -0.002+/-0.015 χ^2/NDF:55.8/48

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.011+/-0.011 χ^2/NDF: 123.8/104

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.980+/-0.019 χ^2/NDF: 2056735.1/25

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

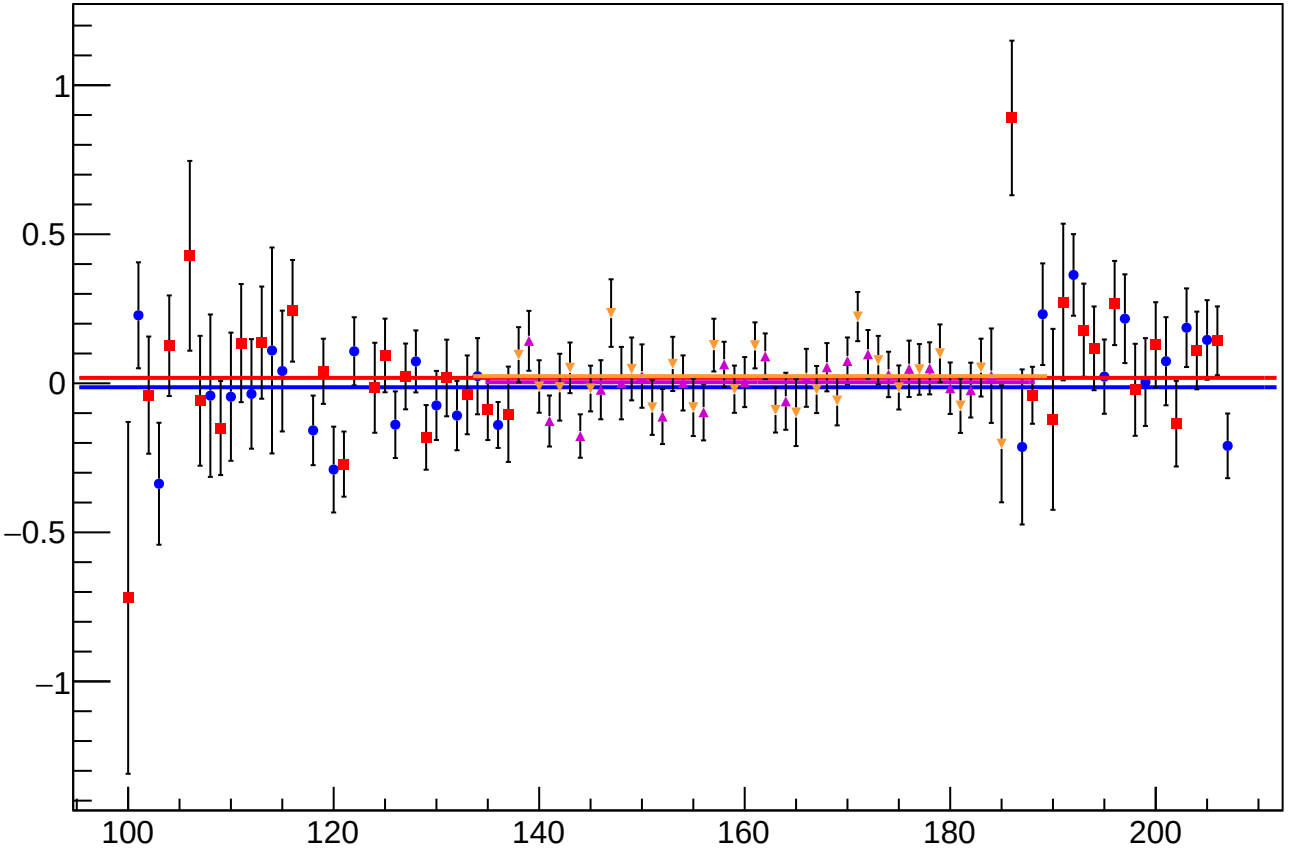
Right: 99.697+/-0.013 χ^2/NDF: 4448369.3/56

In: 85.256+/-0.011 χ^2/NDF:3339446.3/48

Out: 85.161+/-0.010 χ^2/NDF:3841746.3/55

All: 85.207+/-0.007 χ^2/NDF: 7181232.3/104

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.013+/-0.027 χ^2/NDF: 36.7/25

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

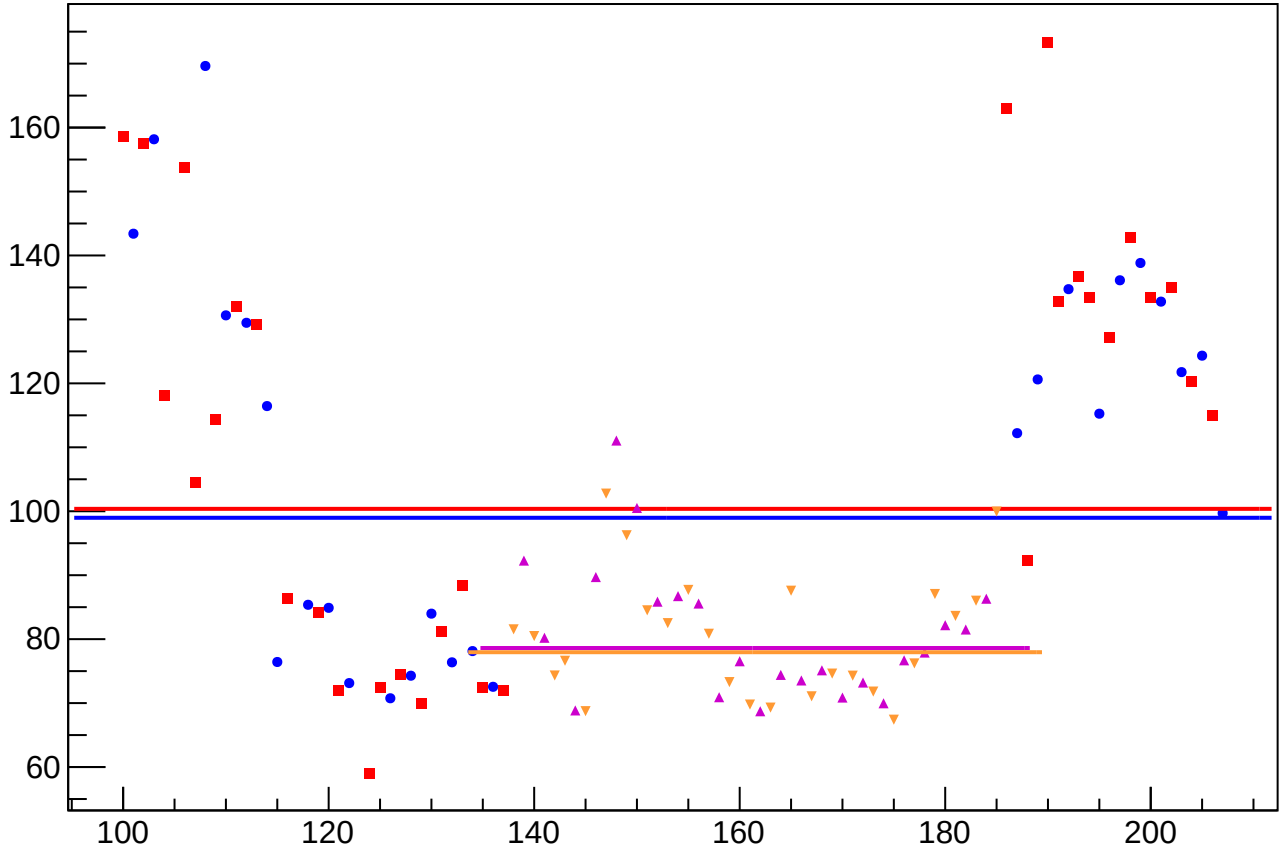
Right: 0.003+/-0.019 χ^2/NDF: 78.6/56

In: -0.002+/-0.015 χ^2/NDF:55.8/48

Out: 0.022+/-0.015 χ^2/NDF:66.8/55

All: 0.011+/-0.011 χ^2/NDF: 123.8/104

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.980+/-0.019 χ^2/NDF: 2056735.1/25

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

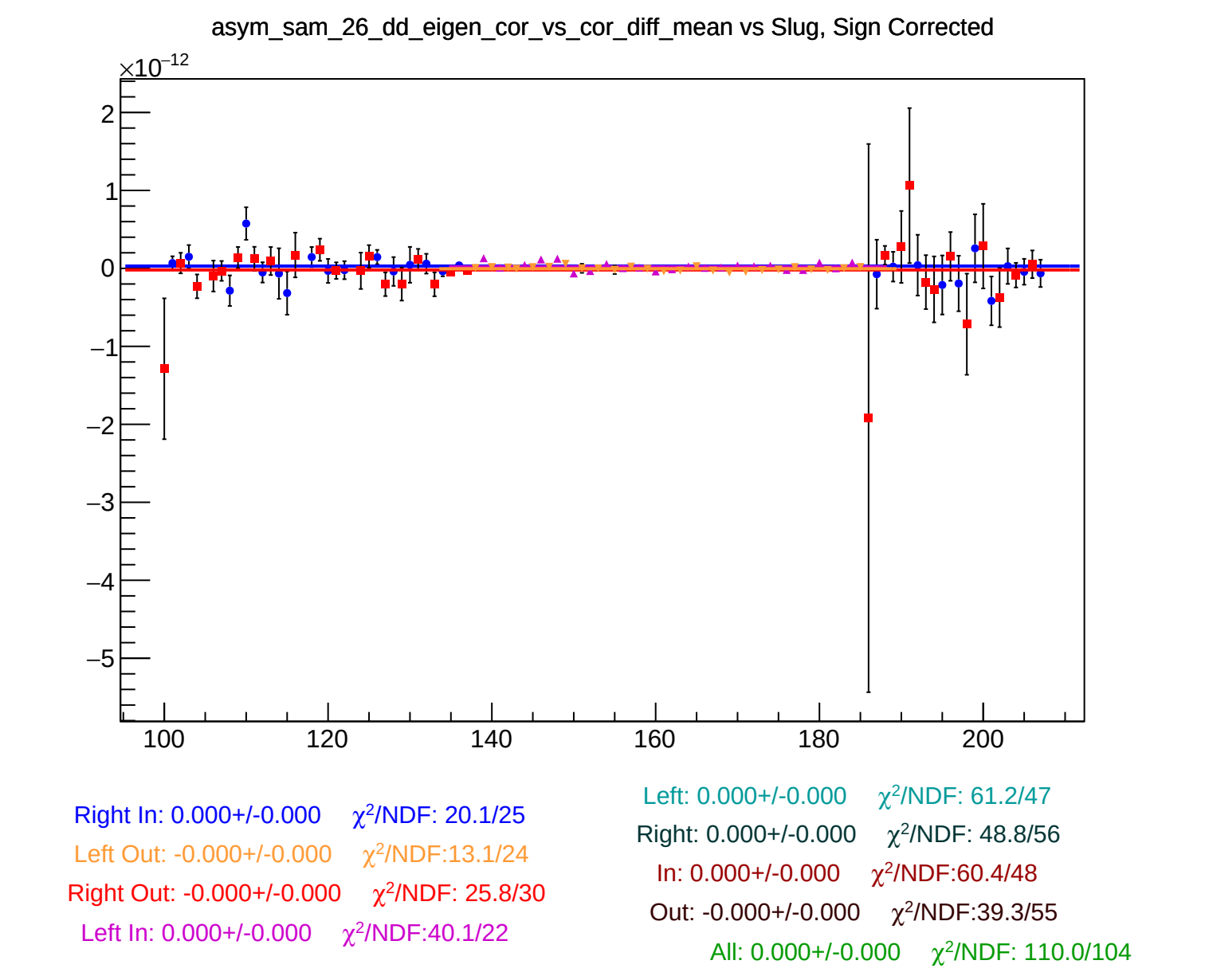
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

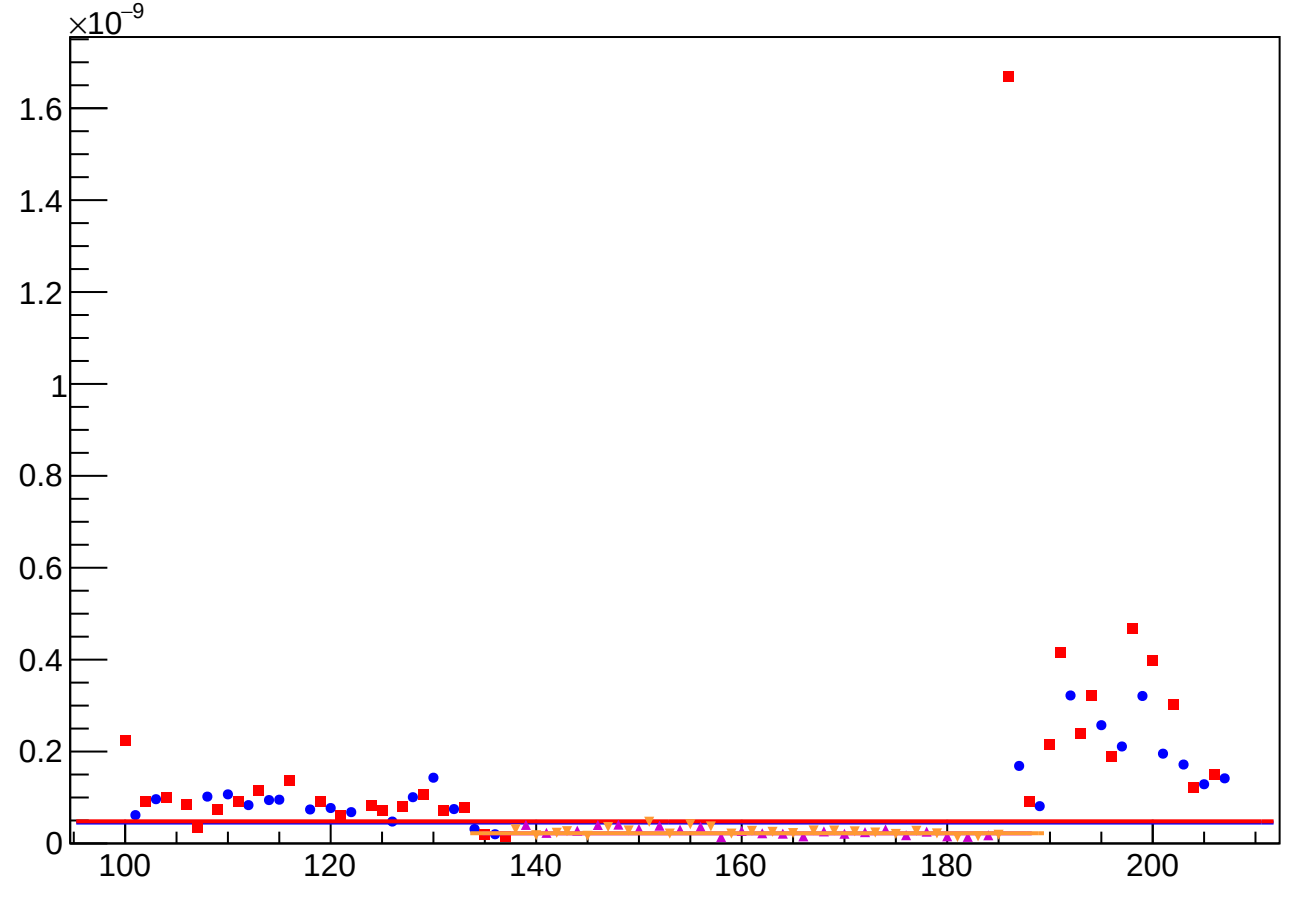
Right: 99.697+/-0.013 χ^2/NDF: 4448369.3/56

In: 85.256+/-0.011 χ^2/NDF:3339446.3/48

Out: 85.161+/-0.010 χ^2/NDF:3841746.3/55

All: 85.207+/-0.007 χ^2/NDF: 7181232.3/104


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: 20.1/25
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: 48.8/56
In: 0.000+/-0.000 χ²/NDF:60.4/48
Out: -0.000+/-0.000 χ²/NDF:39.3/55
All: 0.000+/-0.000 χ²/NDF: 110.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 9003925.0/25

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

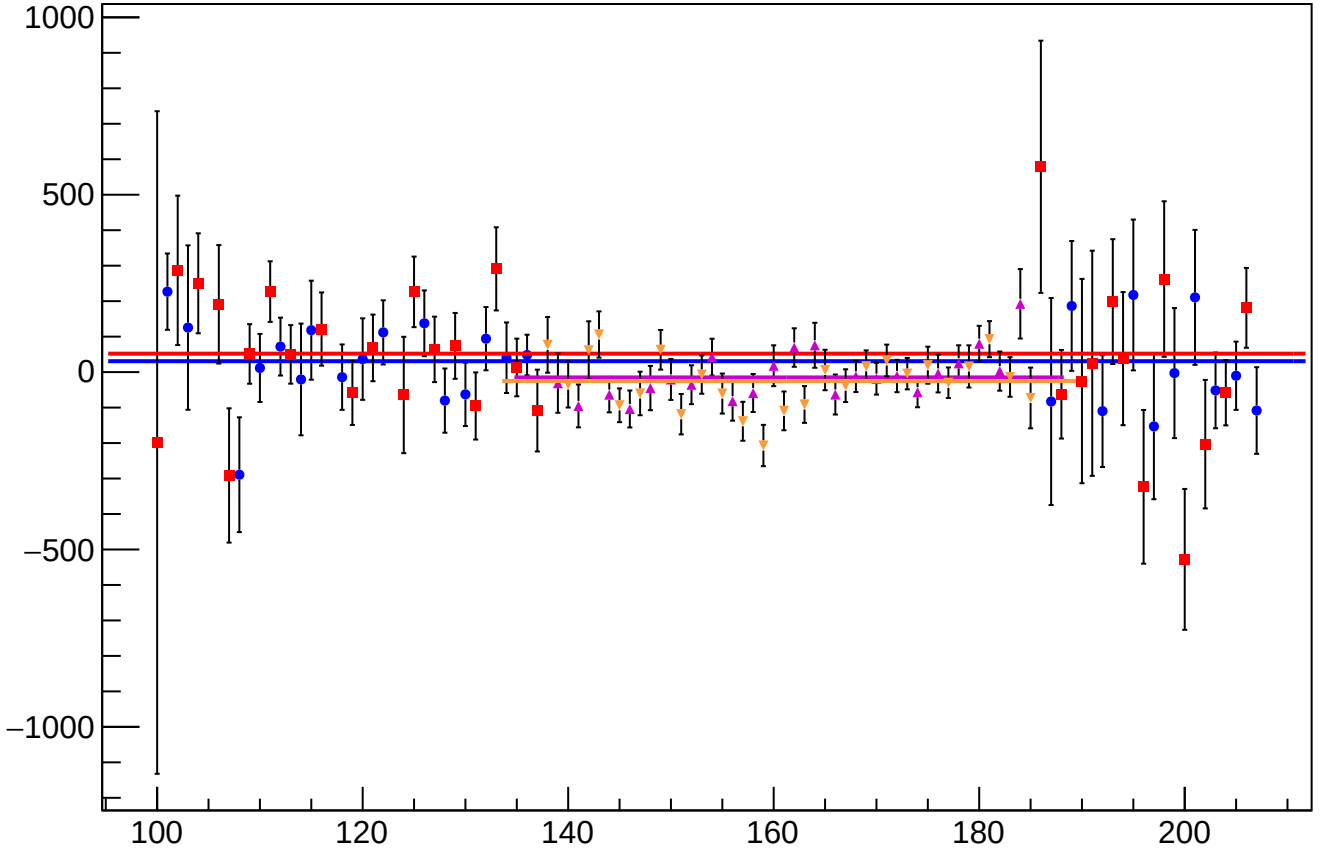
Right: 0.000+/-0.000 χ^2/NDF: 20270464.4/56

In: 0.000+/-0.000 χ^2/NDF:14301423.1/48

Out: 0.000+/-0.000 χ^2/NDF:16300101.1/55

All: 0.000+/-0.000 χ^2/NDF: 30601650.6/104

reg_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 30.746+/-21.543 χ^2/NDF: 20.0/25

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

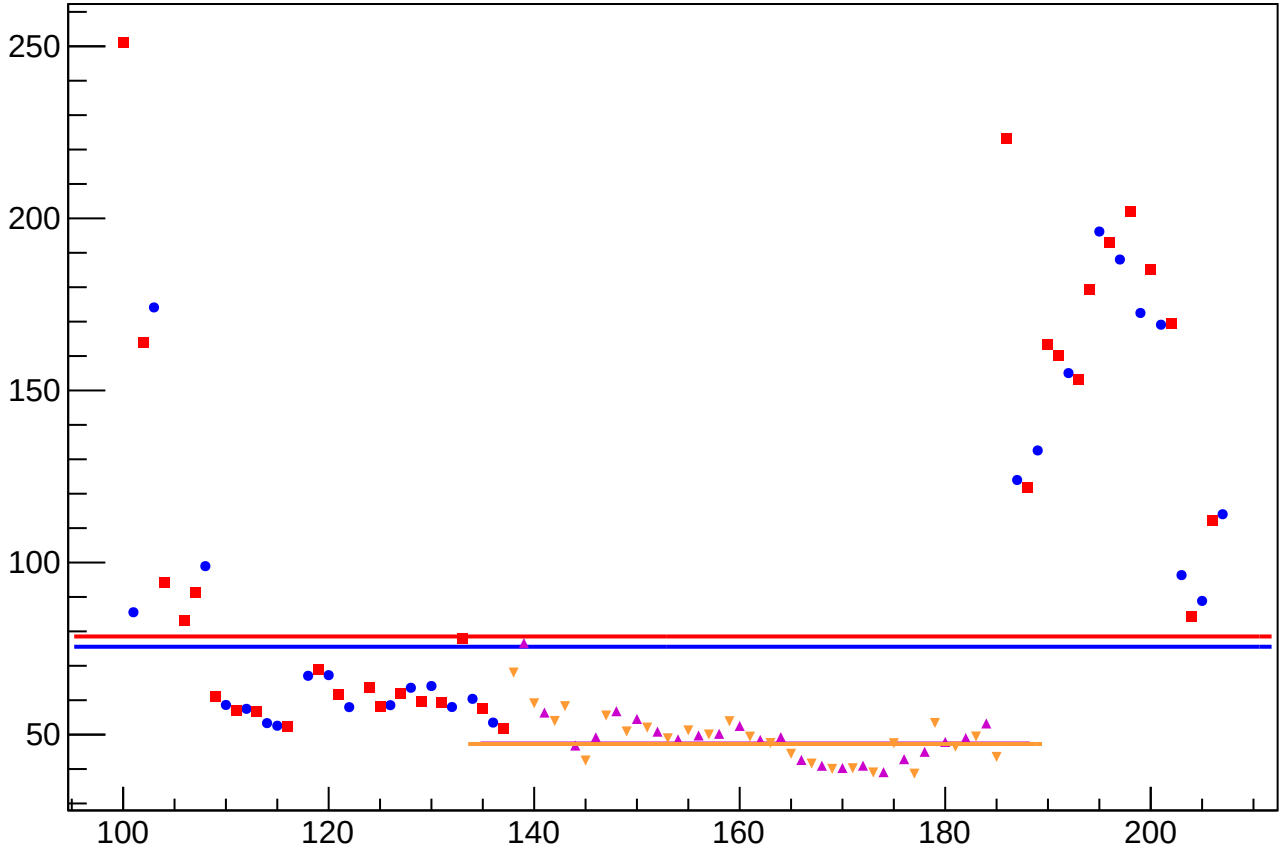
Right: 41.301+/-15.283 χ^2/NDF: 67.4/56

In: -5.237+/-9.950 χ^2/NDF:48.3/48

Out: -9.487+/-9.730 χ^2/NDF:100.0/55

All: -7.410+/-6.957 χ^2/NDF: 148.4/104

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 75.534+/-0.015 χ^2/NDF: 4692694.8/25

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

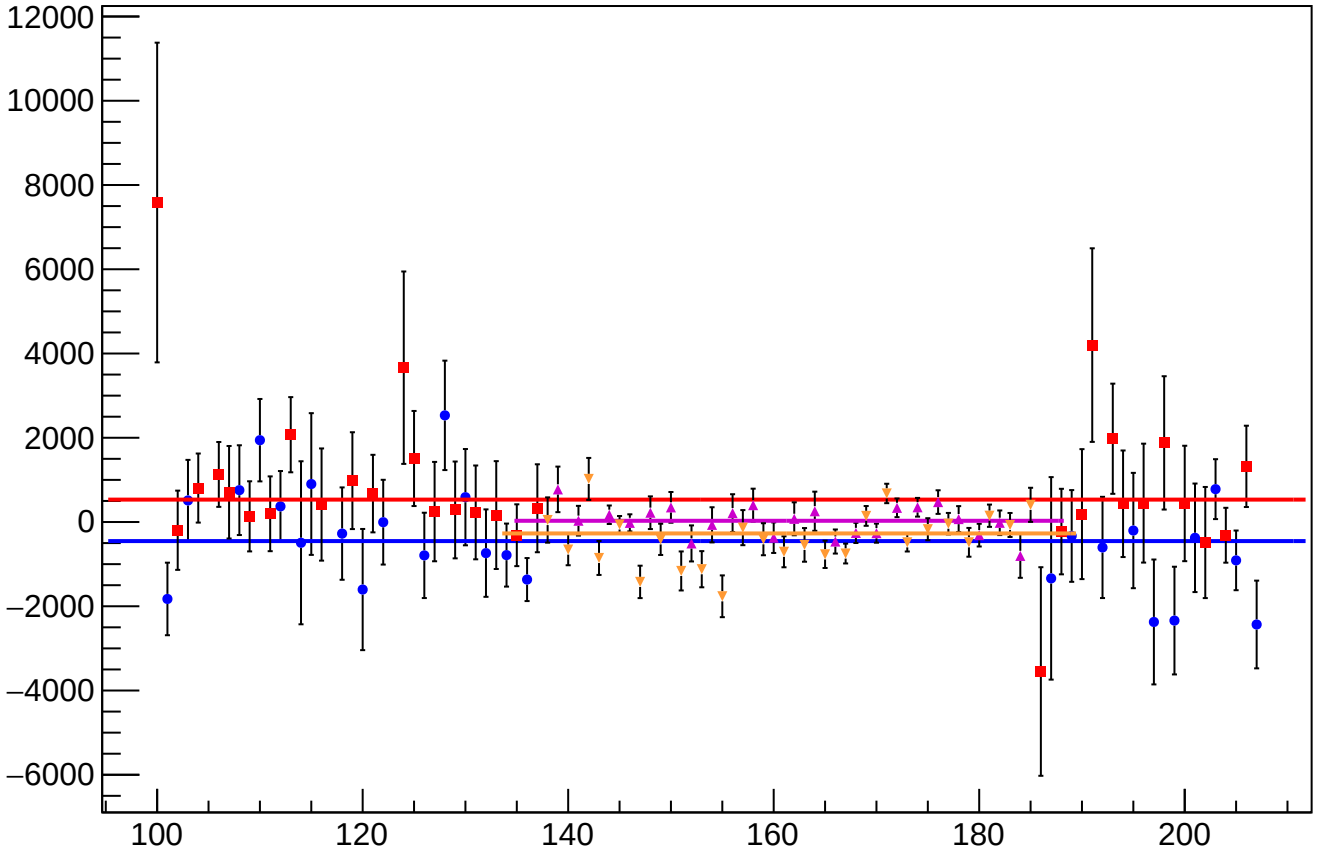
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 77.015+/-0.011 χ^2/NDF: 10555819.9/56

In: 53.421+/-0.007 χ^2/NDF:8026997.0/48

Out: 53.572+/-0.007 χ^2/NDF:9875184.8/55

All: 53.498+/-0.005 χ^2/NDF: 17902418.5/104



Right In: -452.590+/-194.665 χ^2/NDF: 34.1/25

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

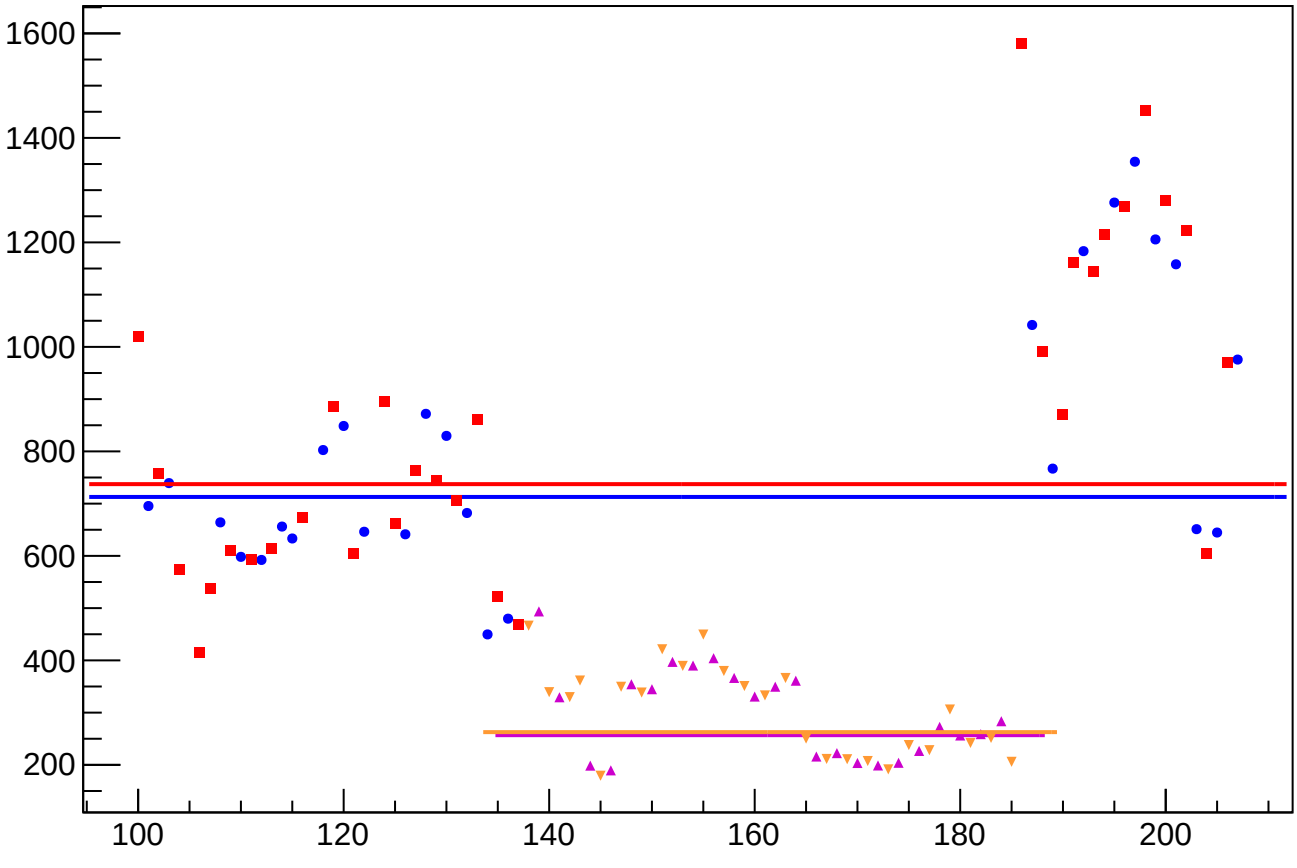
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 42.659+/-137.230 χ^2/NDF: 70.3/56

In: -16.046+/-59.655 χ^2/NDF:64.1/48

Out: -195.503+/-59.341 χ^2/NDF:112.9/55

All: -106.248+/-42.071 χ^2/NDF: 181.5/104



Right In: 712.803+/-0.138 χ^2/NDF: 2607696.2/25

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

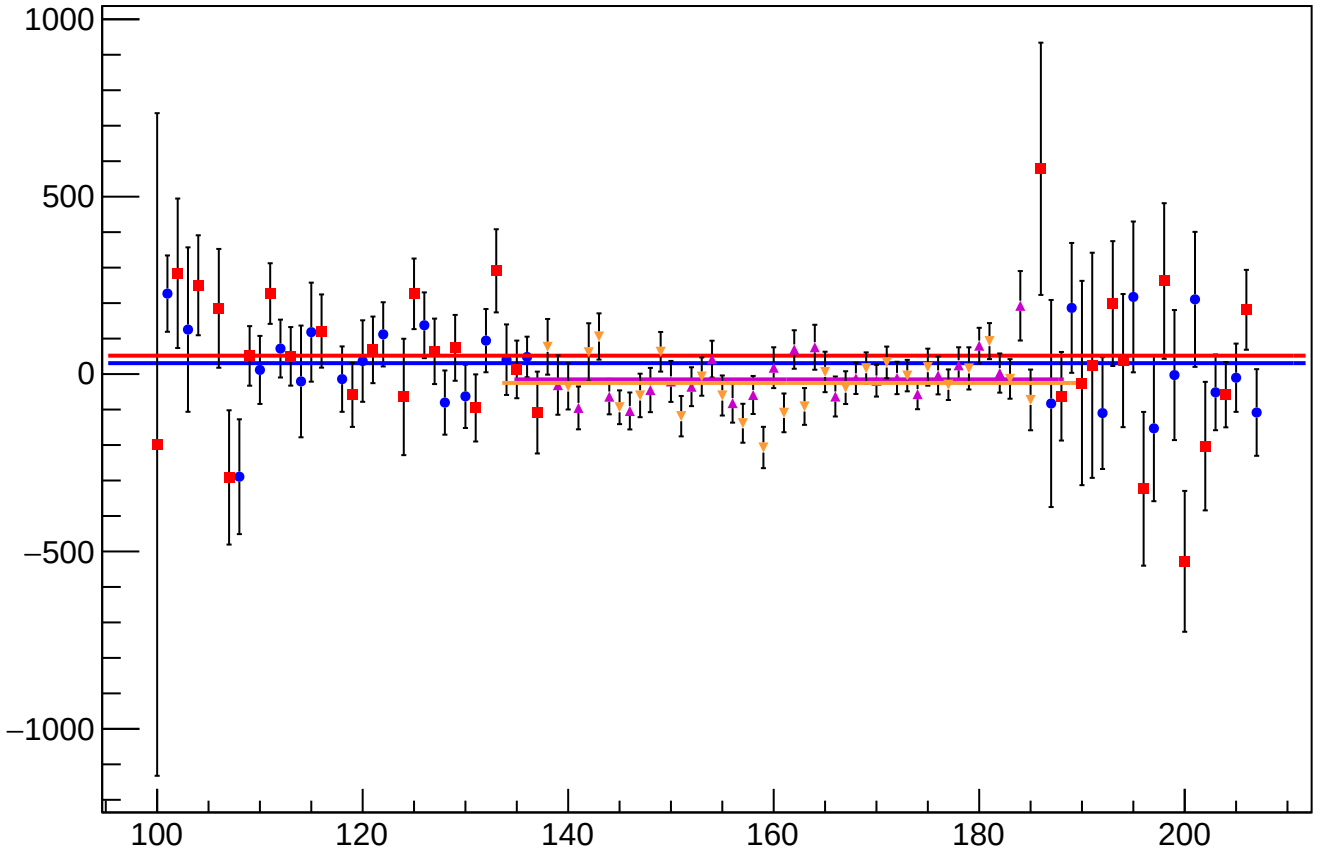
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 725.137+/-0.097 χ^2/NDF: 6089009.2/56

In: 299.662+/-0.042 χ^2/NDF:15189010.0/48

Out: 307.325+/-0.042 χ^2/NDF:17262203.9/55

All: 303.514+/-0.030 χ^2/NDF: 32467801.5/10



Right In: 30.739+/-21.543 χ^2/NDF: 20.0/25

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

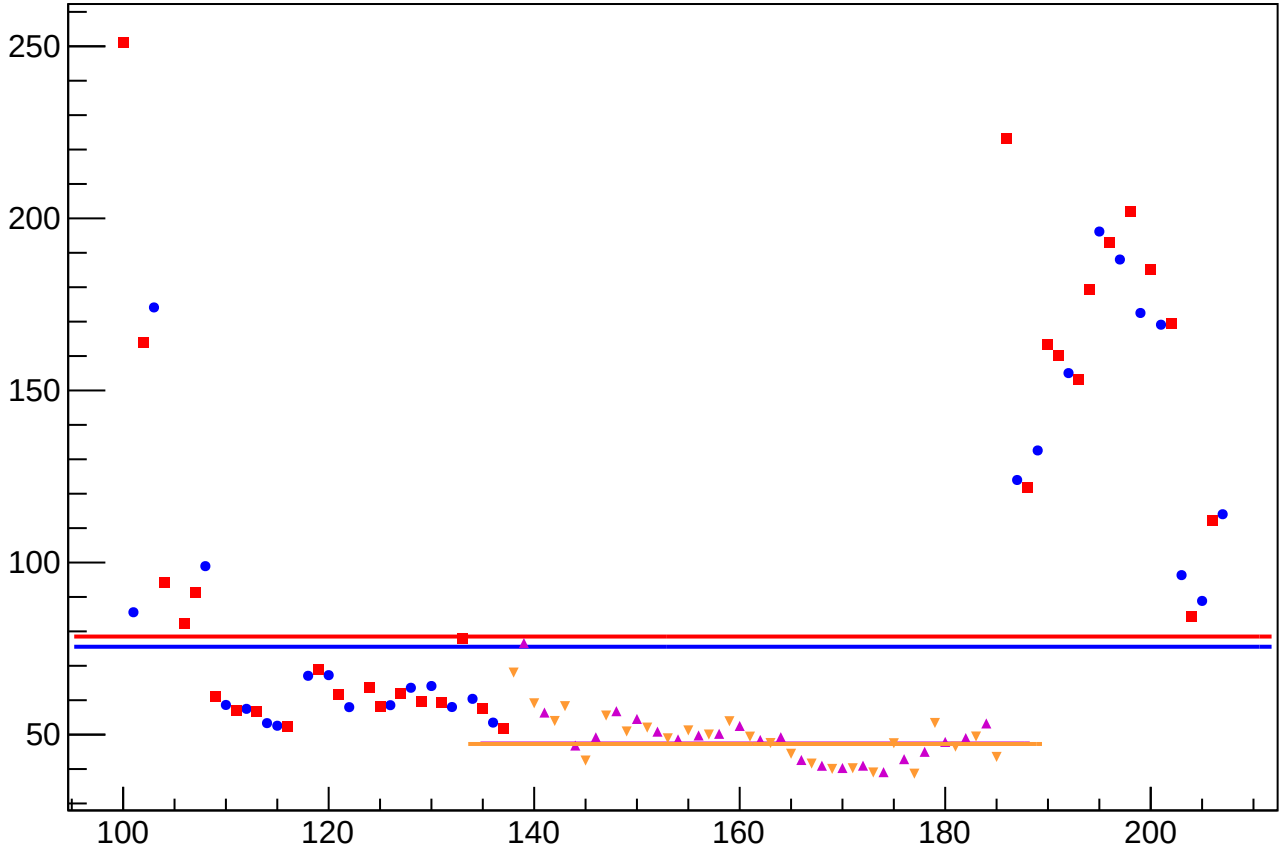
Right: 41.225+/-15.283 χ^2/NDF: 67.3/56

In: -5.237+/-9.950 χ^2/NDF:48.3/48

Out: -9.515+/-9.730 χ^2/NDF:99.9/55

All: -7.424+/-6.957 χ^2/NDF: 148.3/104

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 75.534+/-0.015 χ^2/NDF: 4692697.2/25

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

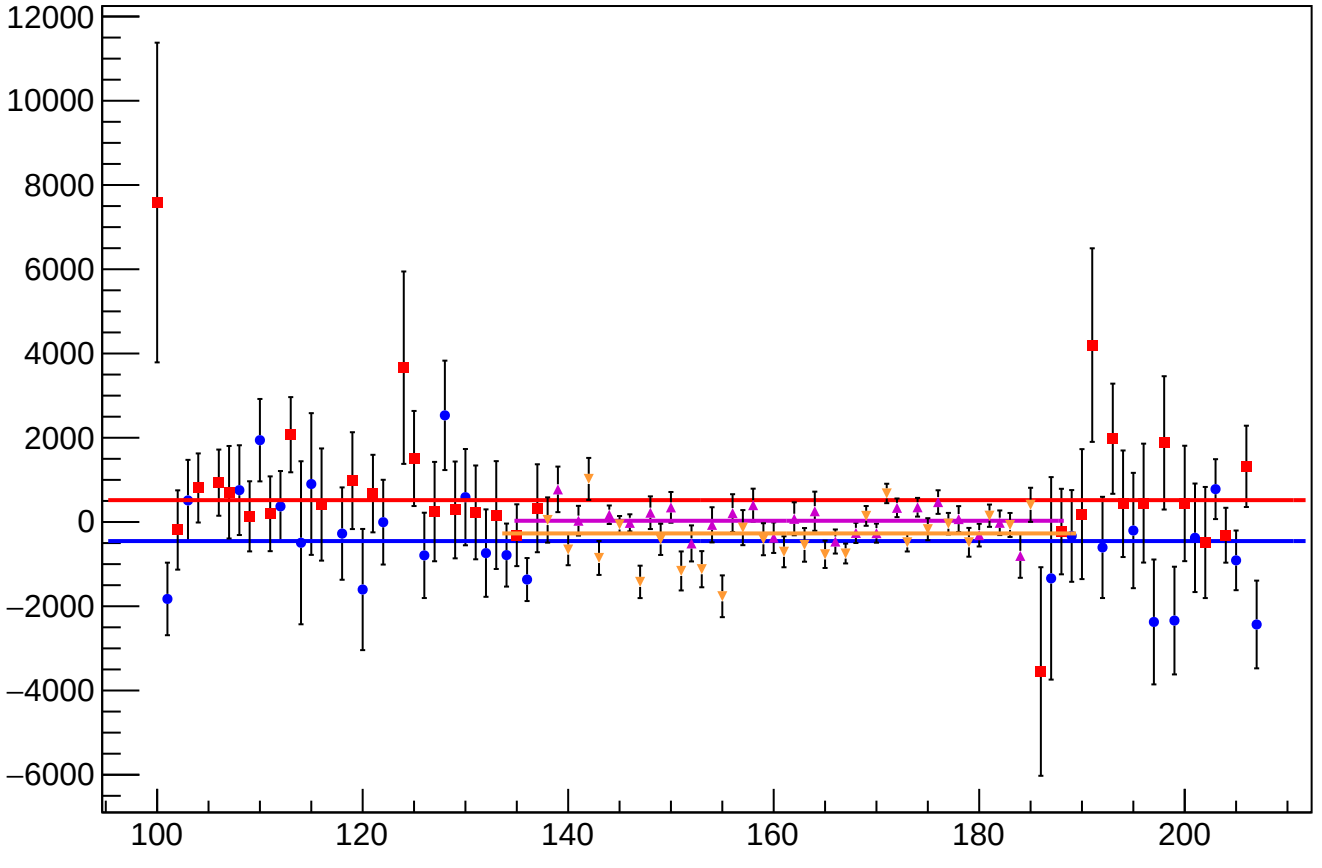
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 77.007+/-0.011 χ^2/NDF: 10555159.3/56

In: 53.421+/-0.007 χ^2/NDF:8026998.8/48

Out: 53.568+/-0.007 χ^2/NDF:9870757.0/55

All: 53.496+/-0.005 χ^2/NDF: 17897980.1/104



Right In: -452.589+/-194.666 χ^2/NDF: 34.1/25

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

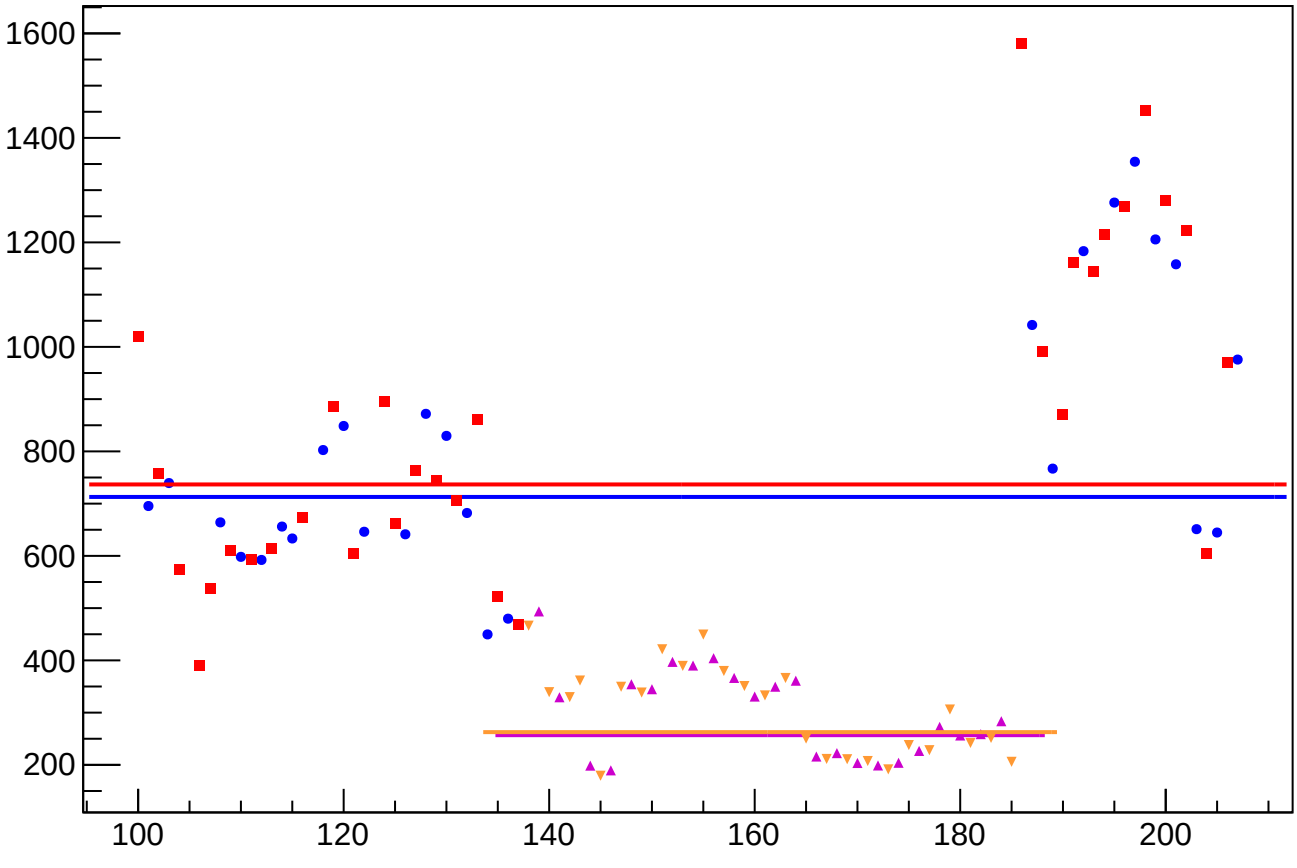
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 35.524+/-137.318 χ^2/NDF: 69.6/56

In: -16.044+/-59.655 χ^2/NDF:64.1/48

Out: -196.889+/-59.348 χ^2/NDF:112.0/55

All: -106.933+/-42.074 χ^2/NDF: 180.7/104



Right In: 712.806+/-0.138 χ^2/NDF: 2607704.3/25

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

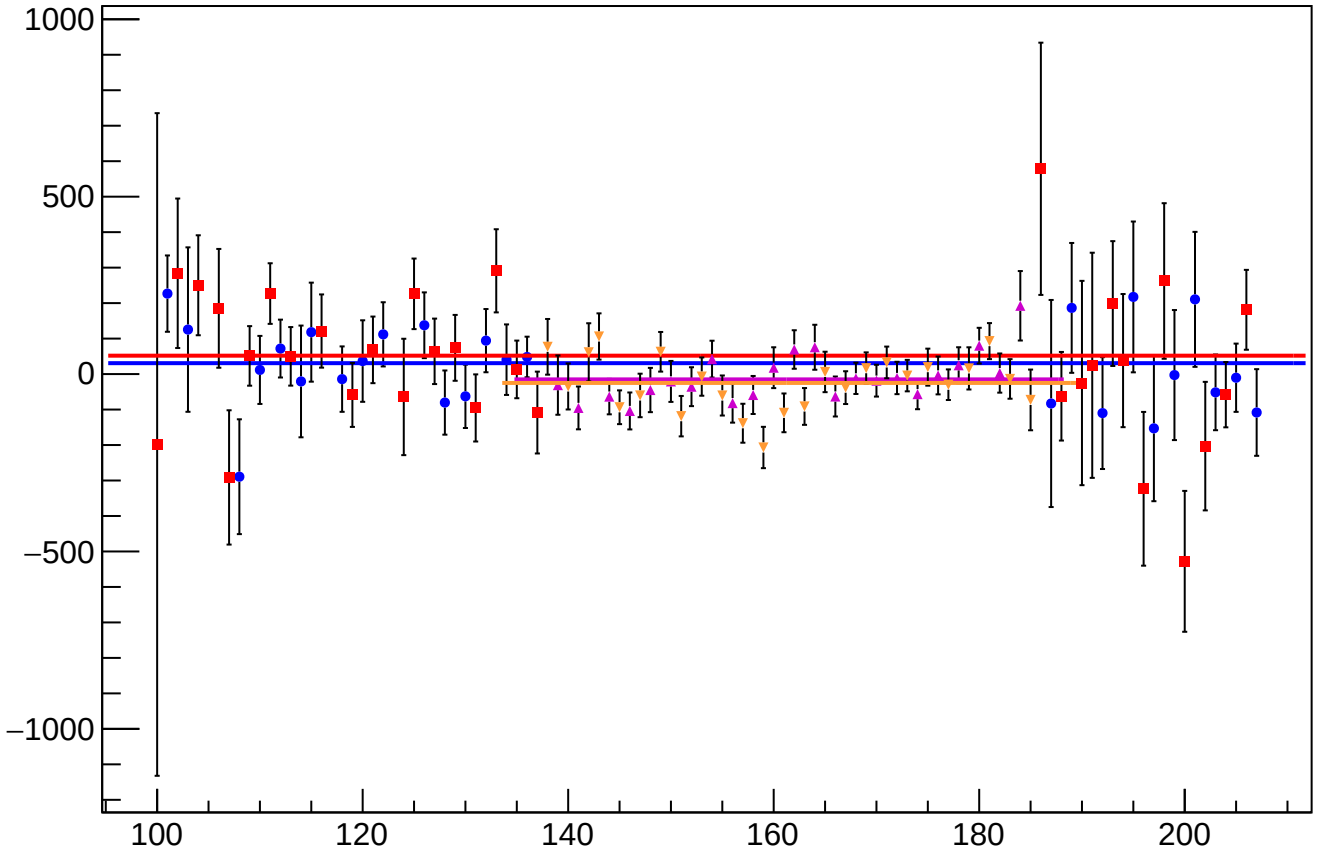
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 724.823+/-0.097 χ^2/NDF: 6125345.8/56

In: 299.662+/-0.042 χ^2/NDF:15189055.0/48

Out: 307.166+/-0.042 χ^2/NDF:17246761.8/55

All: 303.434+/-0.030 χ^2/NDF: 32451719.6/10



Right In: 30.739+/-21.543 χ^2/NDF: 20.0/25

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

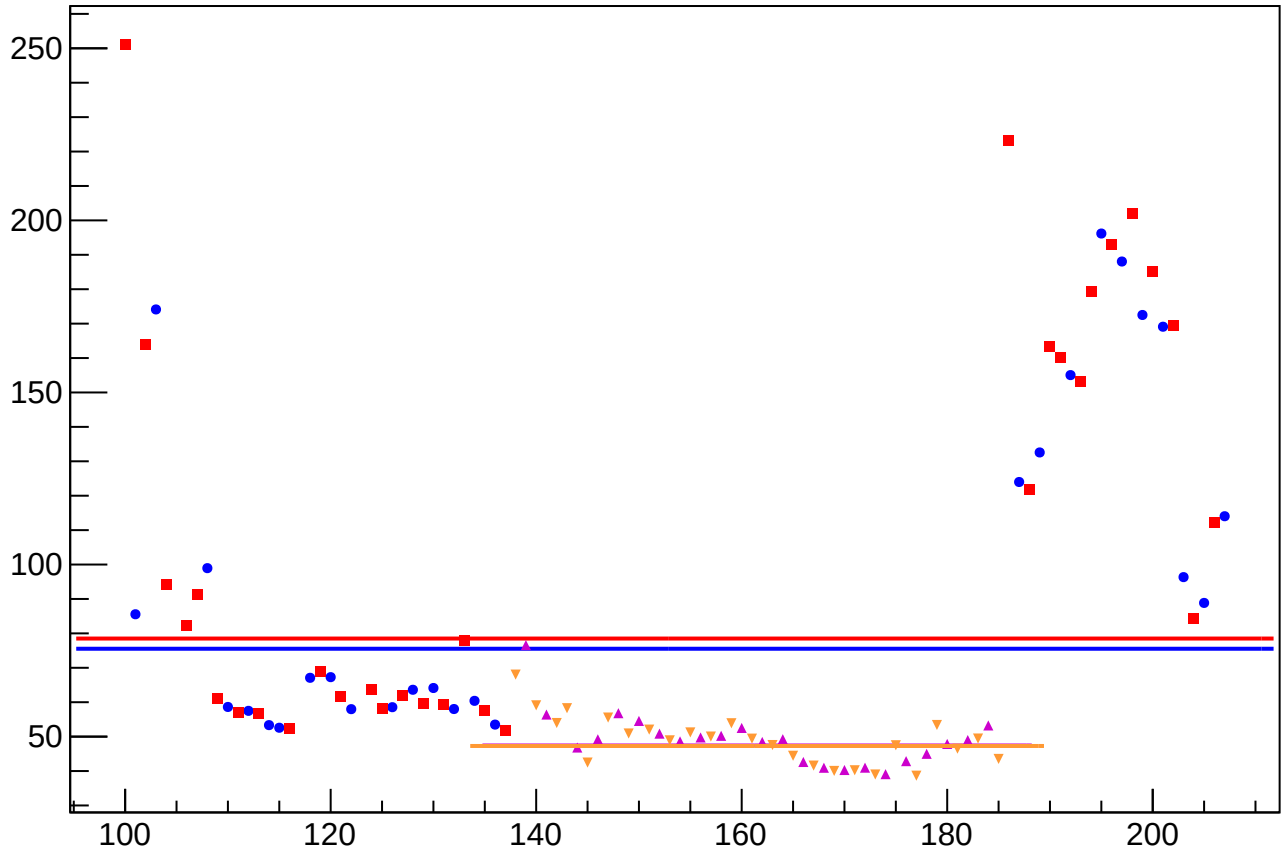
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 41.225+/-15.283 χ^2/NDF: 67.3/56

In: -5.237+/-9.950 χ^2/NDF:48.3/48

Out: -9.515+/-9.730 χ^2/NDF:99.9/55

All: -7.424+/-6.957 χ^2/NDF: 148.3/104



Right In: 75.534+/-0.015 χ^2/NDF: 4692697.2/25

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

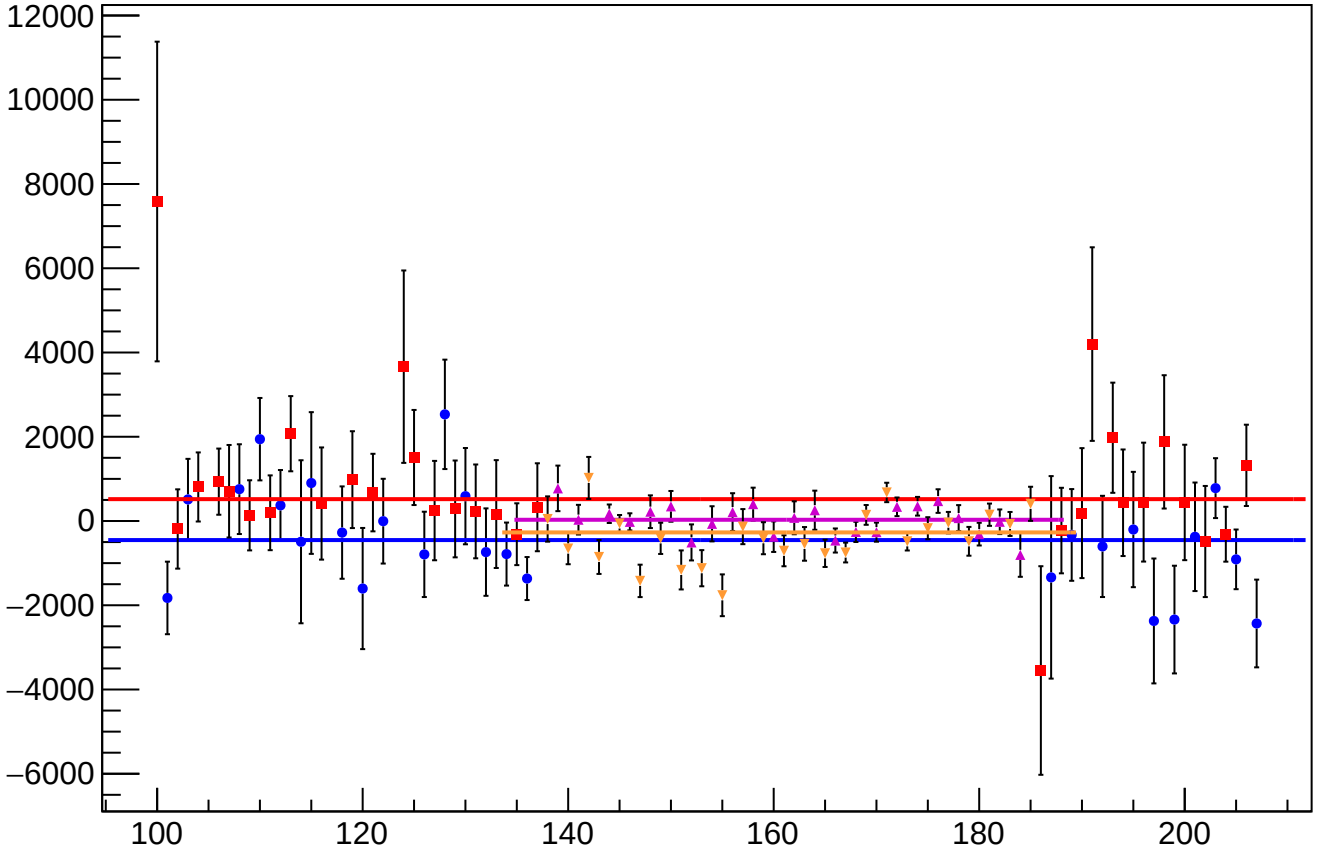
Right: 77.007+/-0.011 χ^2/NDF: 10555159.3/56

In: 53.421+/-0.007 χ^2/NDF:8026998.8/48

Out: 53.568+/-0.007 χ^2/NDF:9870757.0/55

All: 53.496+/-0.005 χ^2/NDF: 17897980.1/104

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -452.589+/-194.666 χ^2/NDF: 34.1/25

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

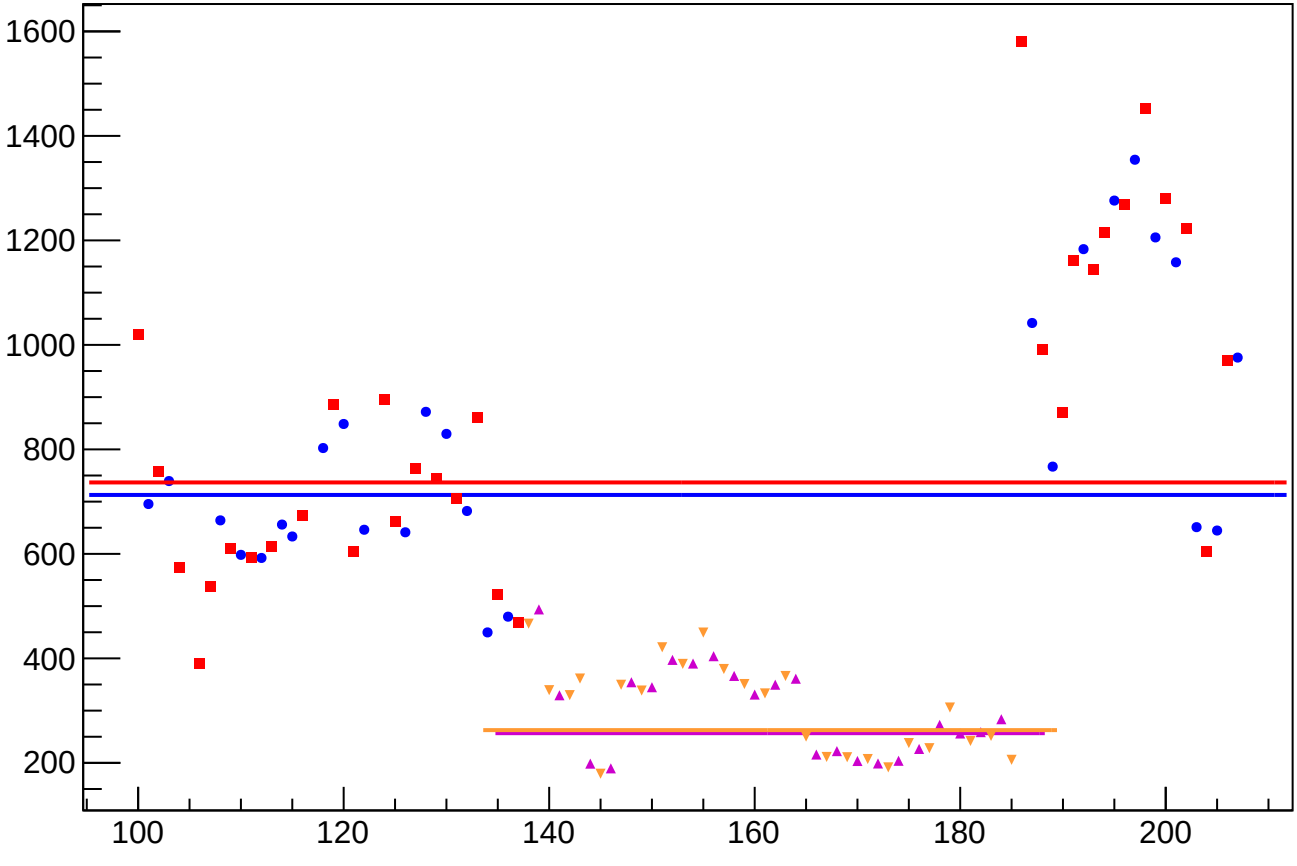
Right: 35.524+/-137.318 χ^2/NDF: 69.6/56

In: -16.044+/-59.655 χ^2/NDF:64.1/48

Out: -196.889+/-59.348 χ^2/NDF:112.0/55

All: -106.933+/-42.074 χ^2/NDF: 180.7/104

asym_sam_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 712.806+/-0.138 χ^2/NDF: 2607704.3/25

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

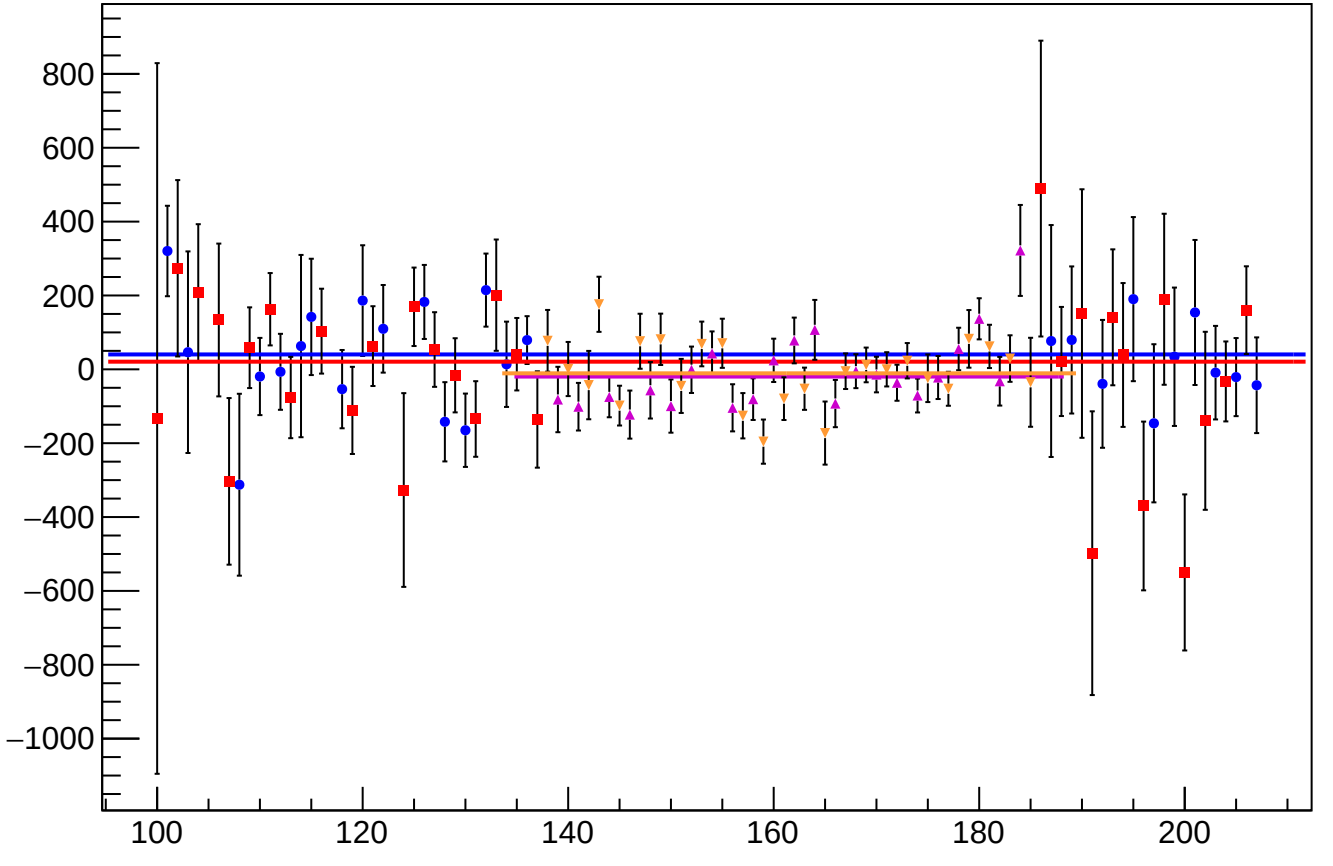
Right: 724.823+/-0.097 χ^2/NDF: 6125345.8/56

In: 299.662+/-0.042 χ^2/NDF:15189055.0/48

Out: 307.166+/-0.042 χ^2/NDF:17246761.8/55

All: 303.434+/-0.030 χ^2/NDF: 32451719.6/10

dit_asym_sam_37_dd_mean vs Slug, Sign Corrected



Right In: 40.333+/-24.816 χ^2/NDF: 25.7/25

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

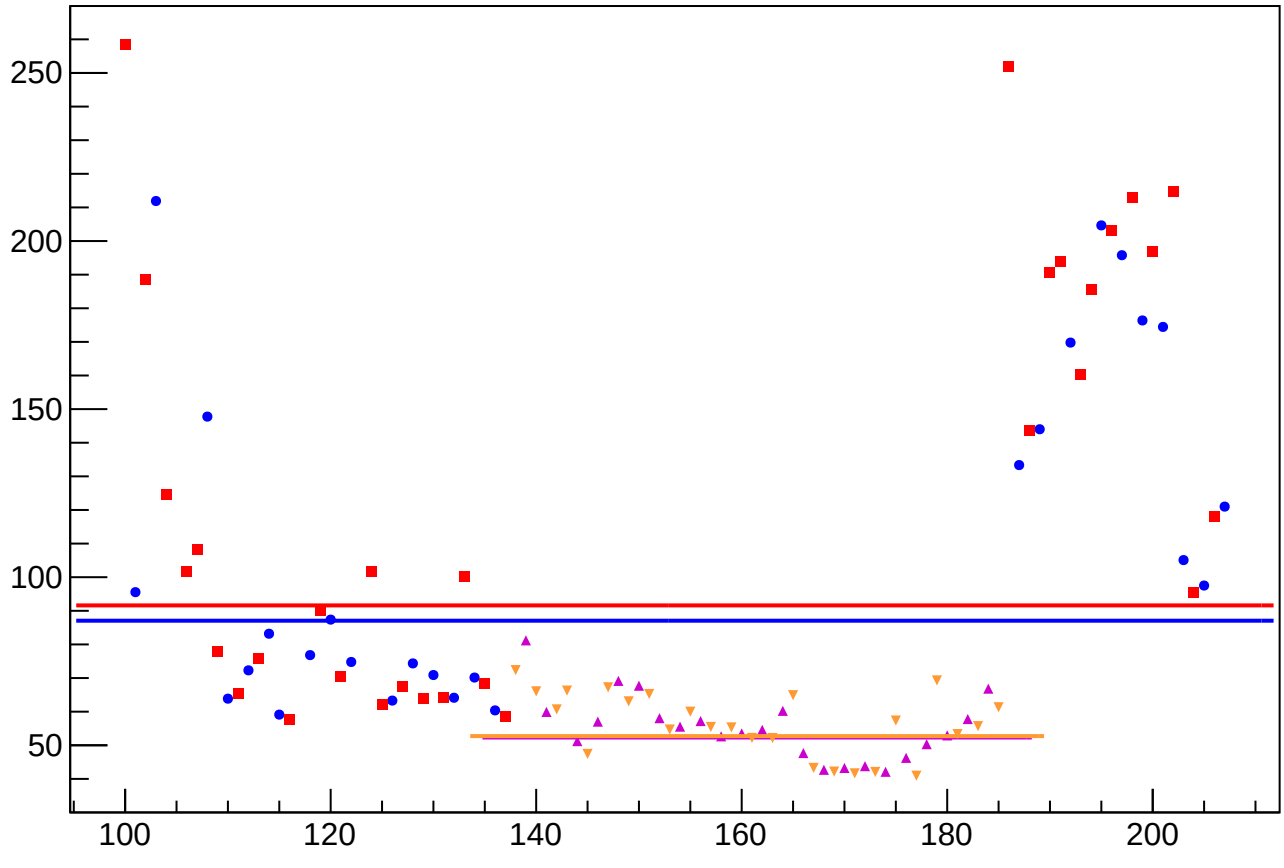
Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

Right: 30.743+/-17.741 χ^2/NDF: 61.2/56

In: -7.398+/-11.196 χ^2/NDF:67.1/48

Out: -4.815+/-11.072 χ^2/NDF:76.8/55

All: -6.092+/-7.873 χ^2/NDF: 144.0/104



Right In: 87.060+/-0.018 χ^2/NDF: 4263655.1/25

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

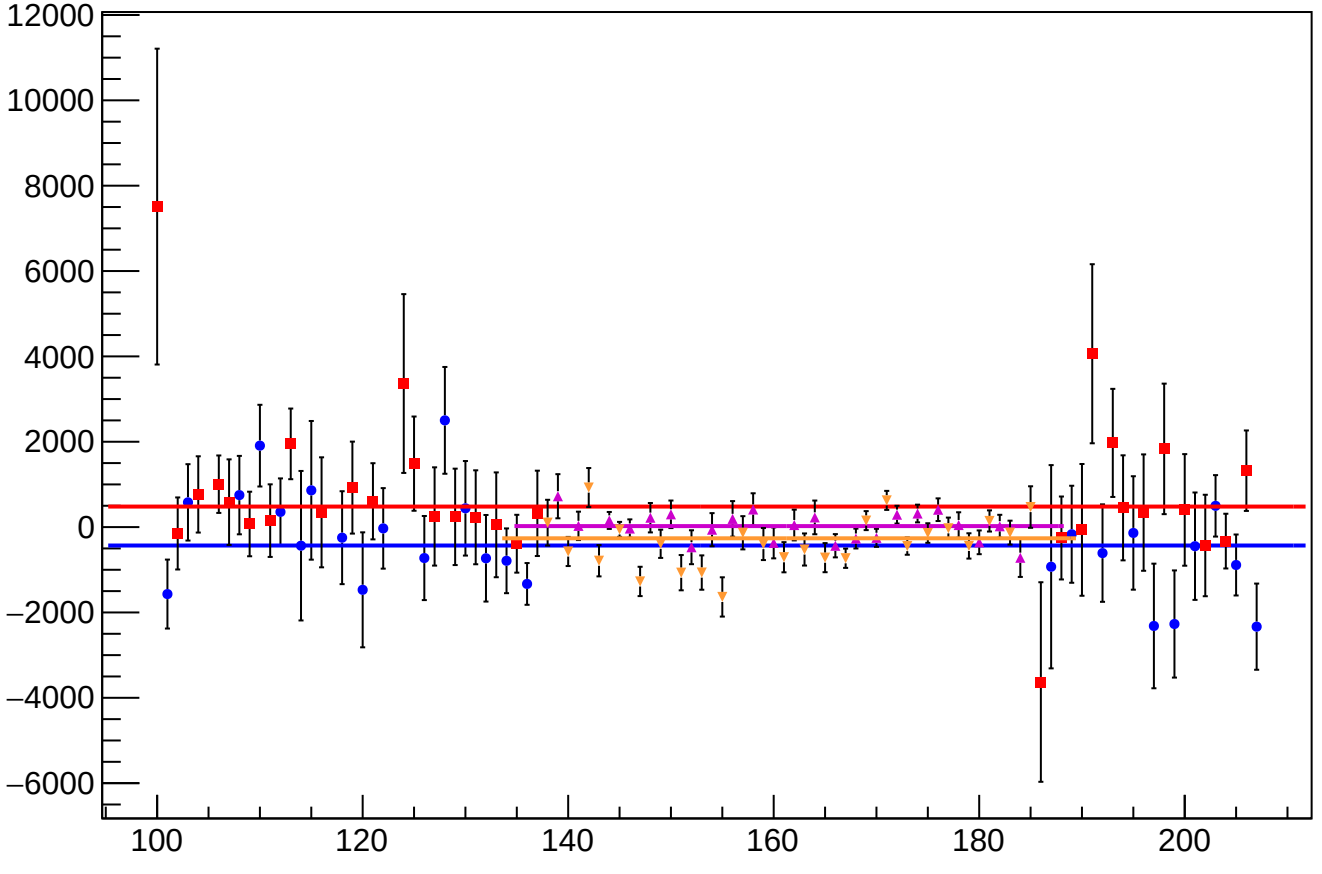
Right: 89.286+/-0.013 χ^2/NDF: 9823976.7/56

In: 59.386+/-0.008 χ^2/NDF:8278233.2/48

Out: 60.136+/-0.008 χ^2/NDF:10497258.0/55

All: 59.766+/-0.006 χ^2/NDF: 18780027.5/104

asym_sam_37_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -431.512+/-188.443 χ^2/NDF: 32.8/25

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

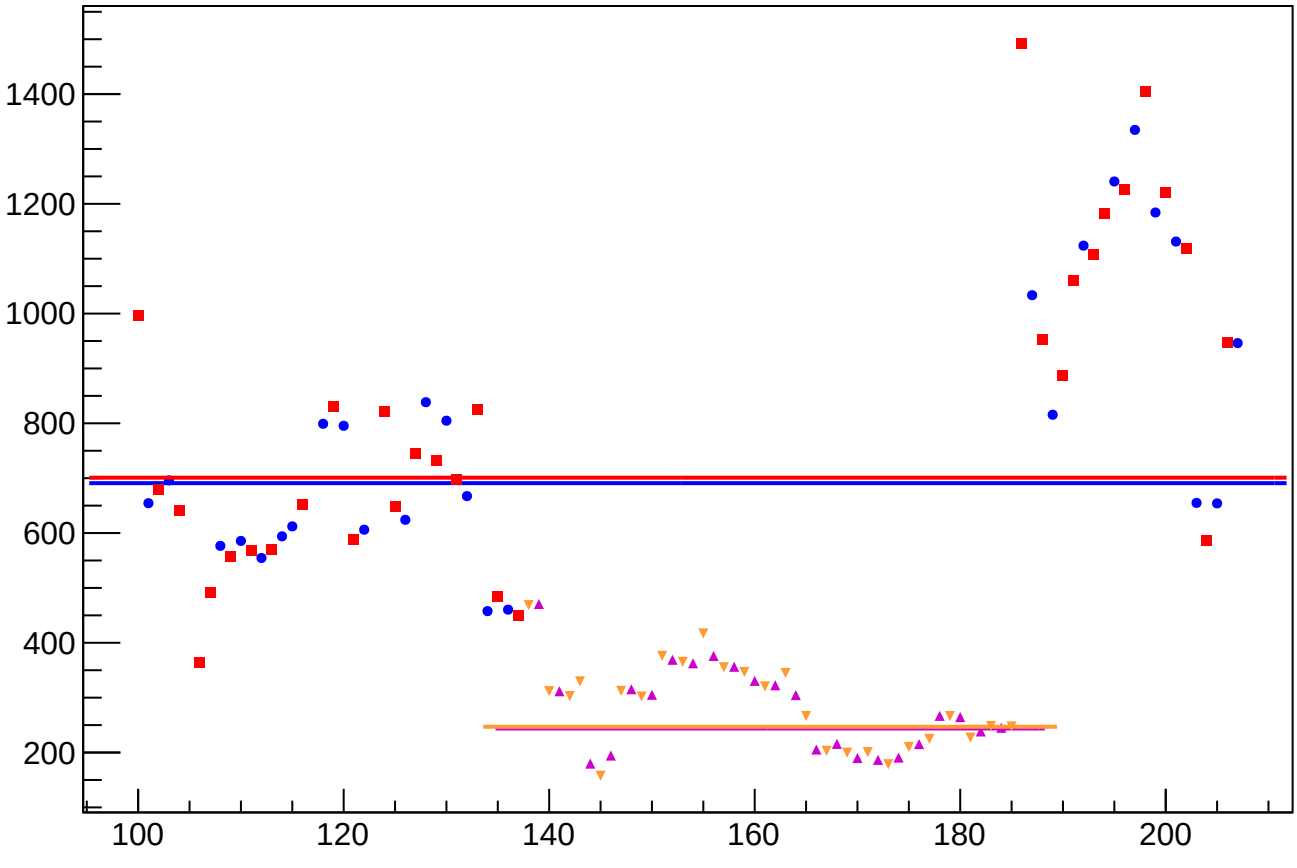
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 35.226+/-131.714 χ^2/NDF: 70.0/56

In: -17.648+/-56.649 χ^2/NDF:62.3/48

Out: -194.429+/-55.756 χ^2/NDF:112.2/55

All: -107.444+/-39.737 χ^2/NDF: 179.5/104



Right In: 690.942+/-0.133 χ^2/NDF: 2646680.4/25

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

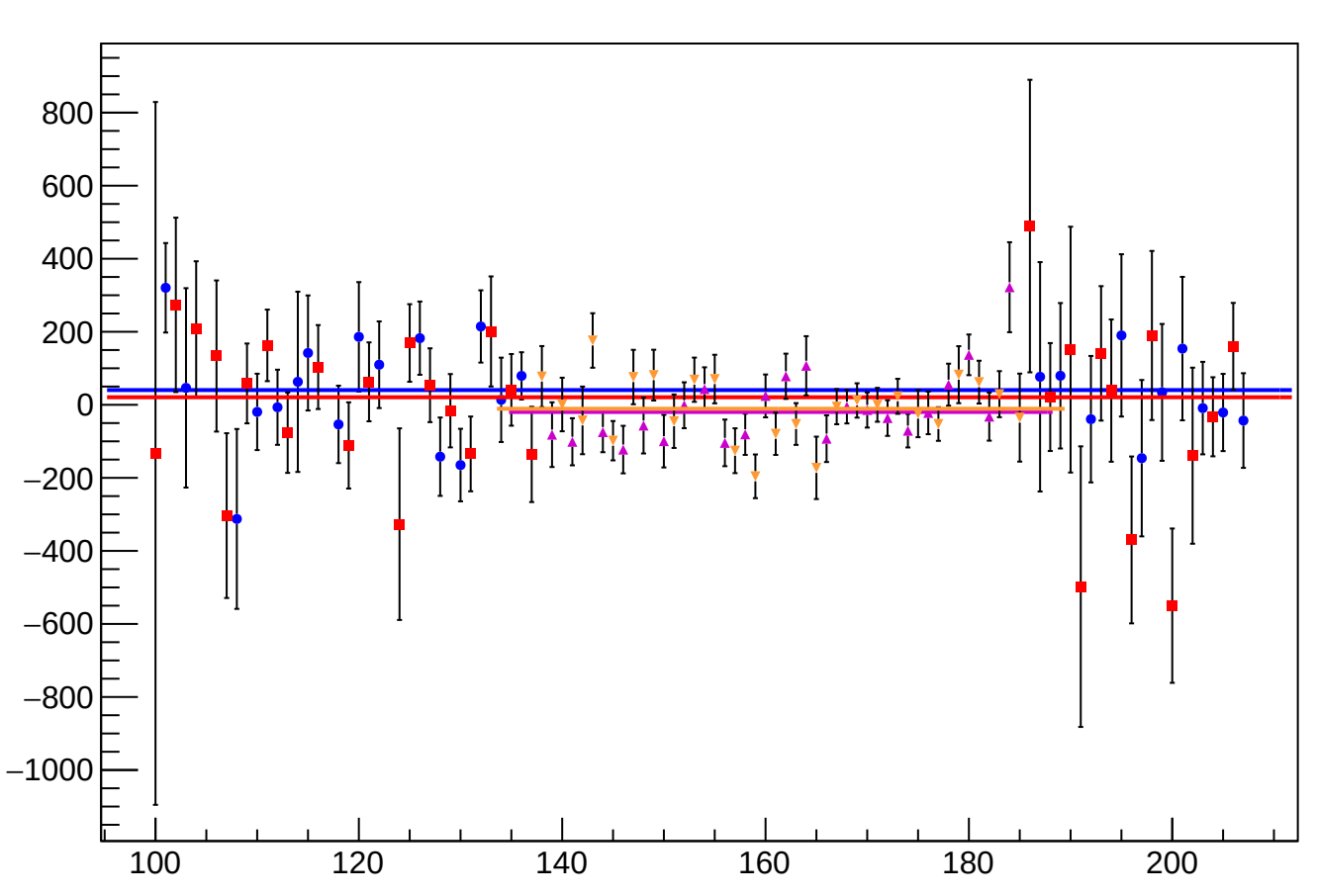
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 696.046+/-0.093 χ^2/NDF: 6313469.0/56

In: 284.232+/-0.040 χ^2/NDF:15379092.9/48

Out: 288.596+/-0.039 χ^2/NDF:17625170.8/55

All: 286.449+/-0.028 χ^2/NDF: 33010294.6/10



Right In: 40.333+/-24.816 χ^2/NDF: 25.7/25

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

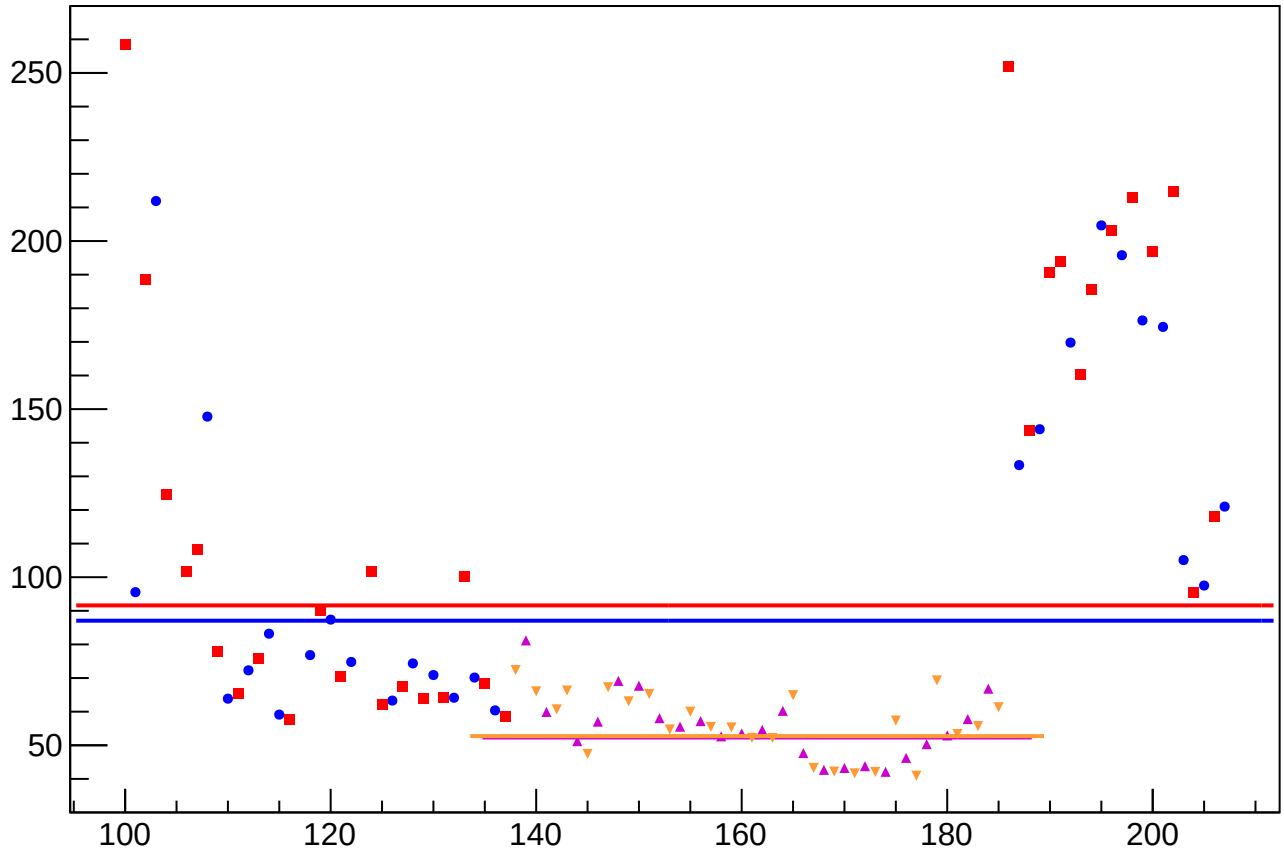
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 30.743+/-17.741 χ^2/NDF: 61.2/56

In: -7.399+/-11.196 χ^2/NDF:67.1/48

Out: -4.815+/-11.072 χ^2/NDF:76.8/55

All: -6.092+/-7.873 χ^2/NDF: 144.0/104



Right In: 87.060+/-0.018 χ^2/NDF: 4263679.0/25

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

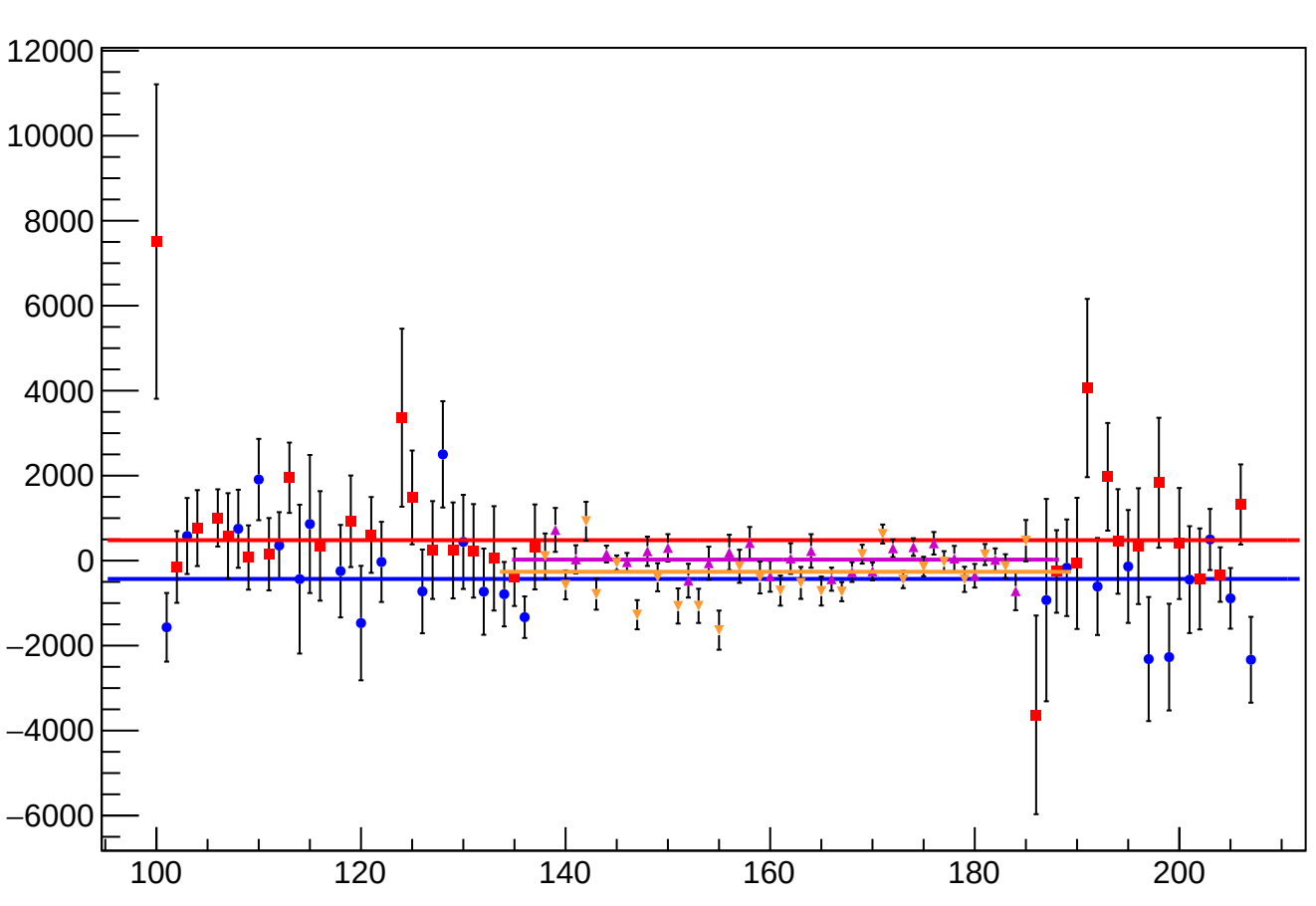
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 89.286+/-0.013 χ^2/NDF: 9824004.0/56

In: 59.387+/-0.008 χ^2/NDF:8278232.3/48

Out: 60.137+/-0.008 χ^2/NDF:10497261.8/55

All: 59.766+/-0.006 χ^2/NDF: 18780030.7/104



Right In: -431.512+/-188.443 χ^2/NDF: 32.8/25

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

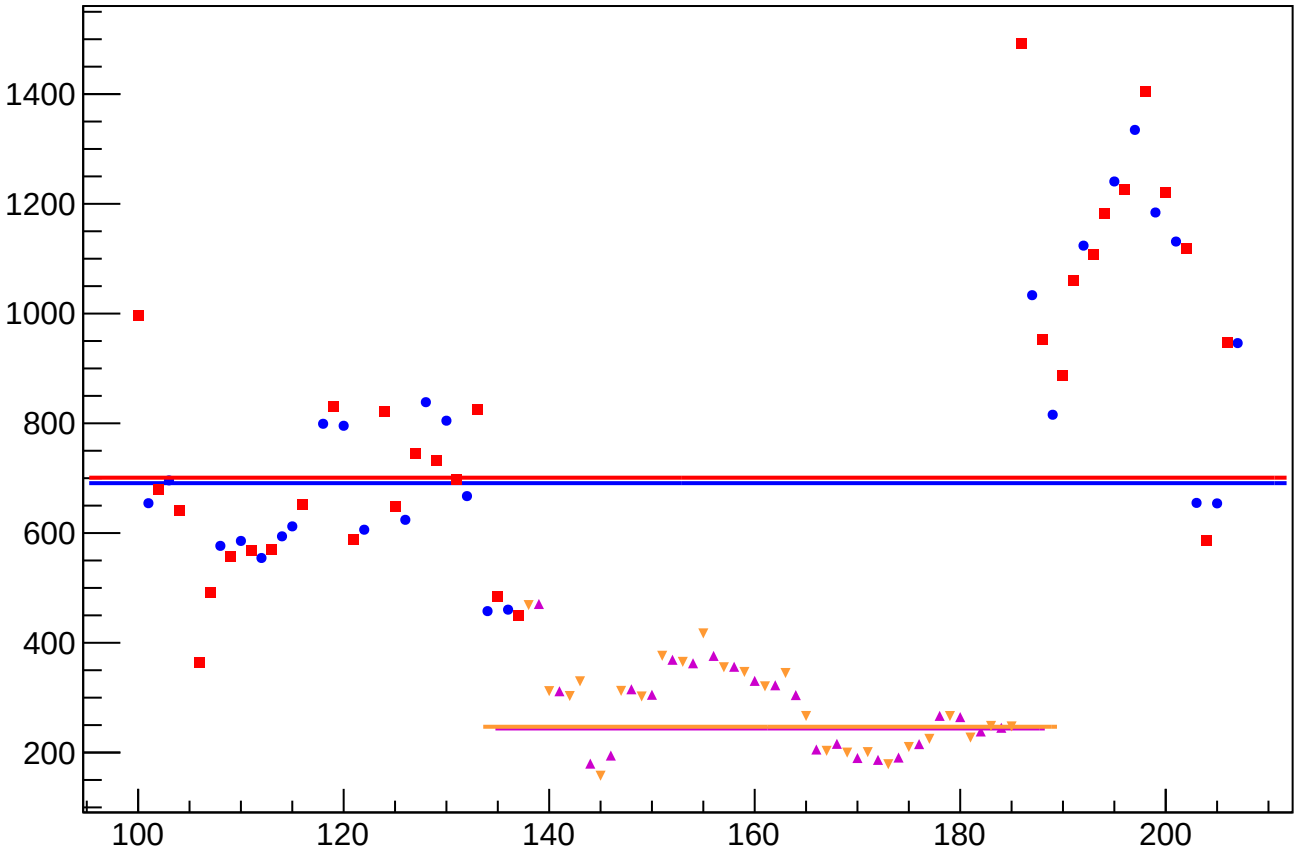
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 35.226+/-131.714 χ^2/NDF: 70.0/56

In: -17.648+/-56.649 χ^2/NDF:62.3/48

Out: -194.429+/-55.756 χ^2/NDF:112.2/55

All: -107.444+/-39.737 χ^2/NDF: 179.5/104



Right In: 690.942+/-0.133 χ^2/NDF: 2646667.9/25

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

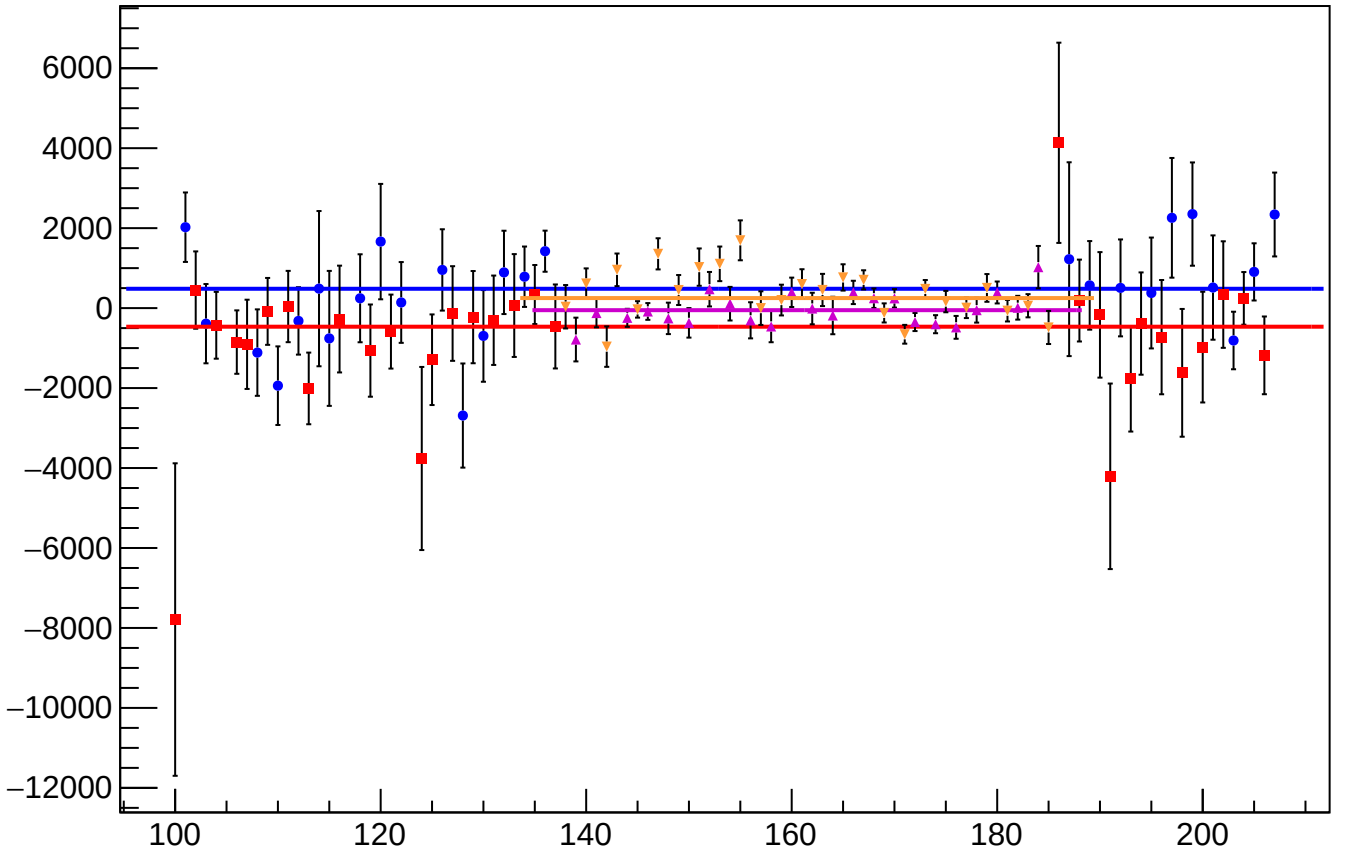
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 696.046+/-0.093 χ^2/NDF: 6313447.6/56

In: 284.231+/-0.040 χ^2/NDF:15379094.2/48

Out: 288.596+/-0.039 χ^2/NDF:17625151.5/55

All: 286.448+/-0.028 χ^2/NDF: 33010277.0/10



Right In: 483.670+/-196.374 χ^2/NDF: 35.6/25

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

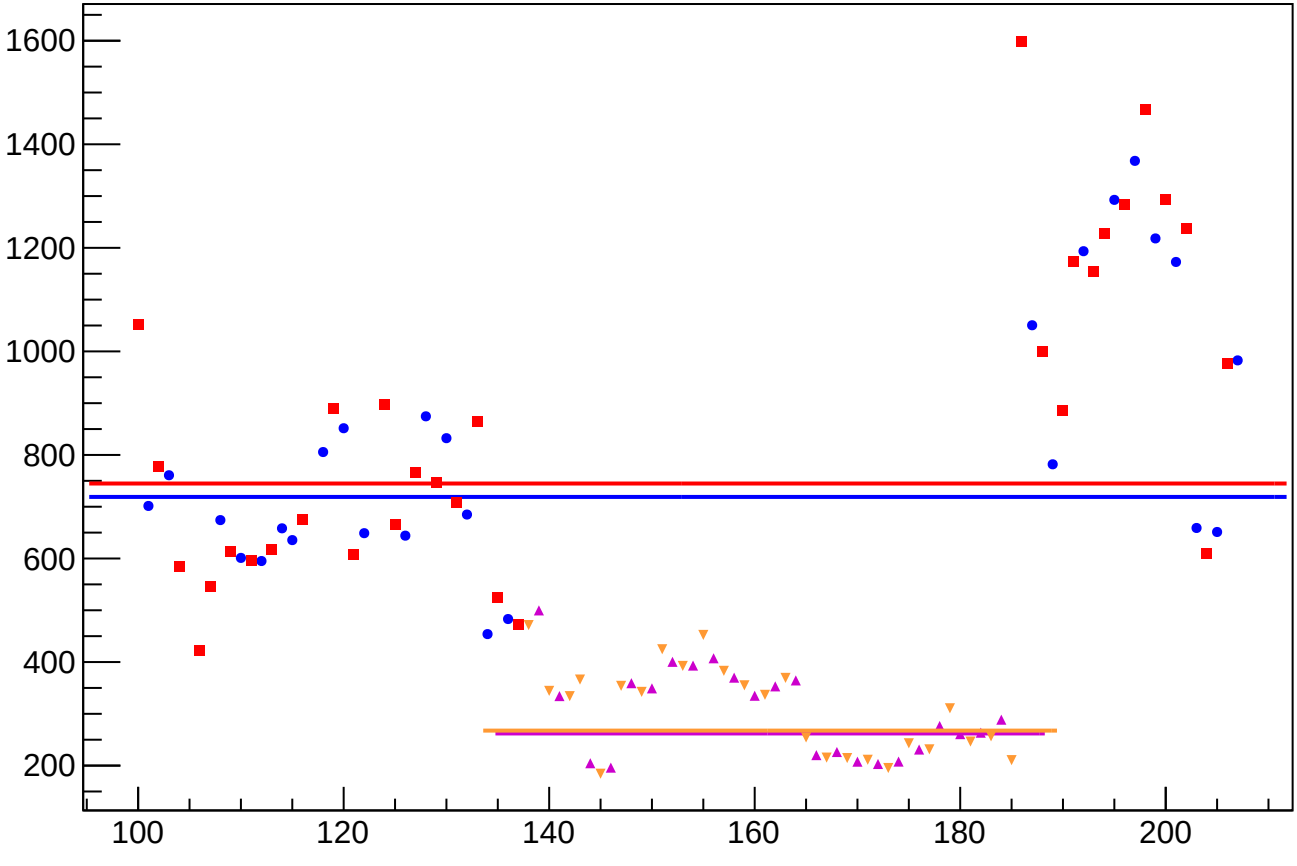
Right: 7.106+/-138.534 χ^2/NDF: 70.2/56

In: -0.529+/-60.715 χ^2/NDF:69.2/48

Out: 182.890+/-60.327 χ^2/NDF:102.5/55

All: 91.768+/-42.794 χ^2/NDF: 176.3/104

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 718.925+/-0.139 χ^2/NDF: 2621785.3/25

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

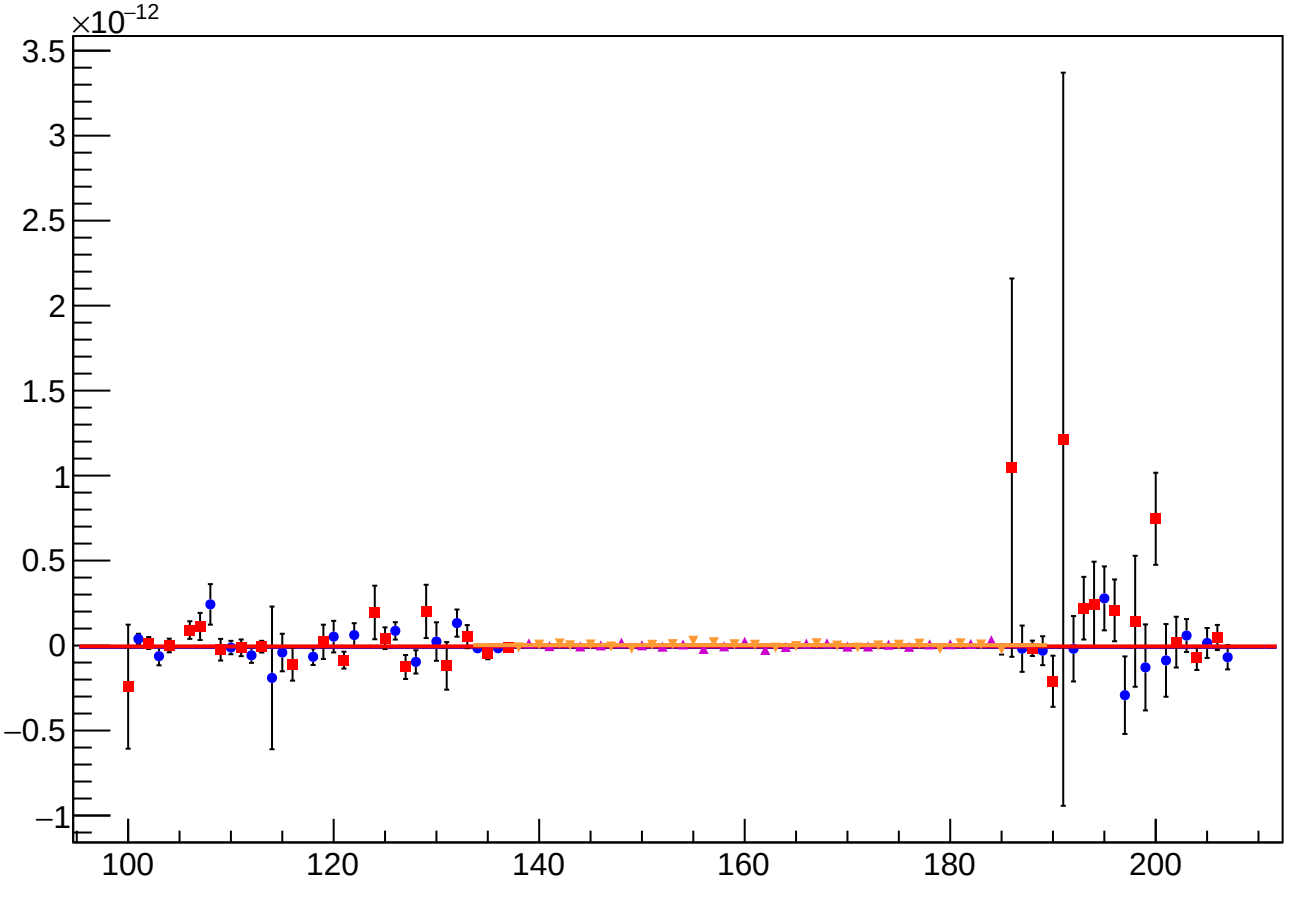
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 731.930+/-0.098 χ^2/NDF: 6094532.7/56

In: 305.762+/-0.043 χ^2/NDF:14948265.7/48

Out: 313.048+/-0.043 χ^2/NDF:17043139.5/55

All: 309.429+/-0.030 χ^2/NDF: 32005900.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/25

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

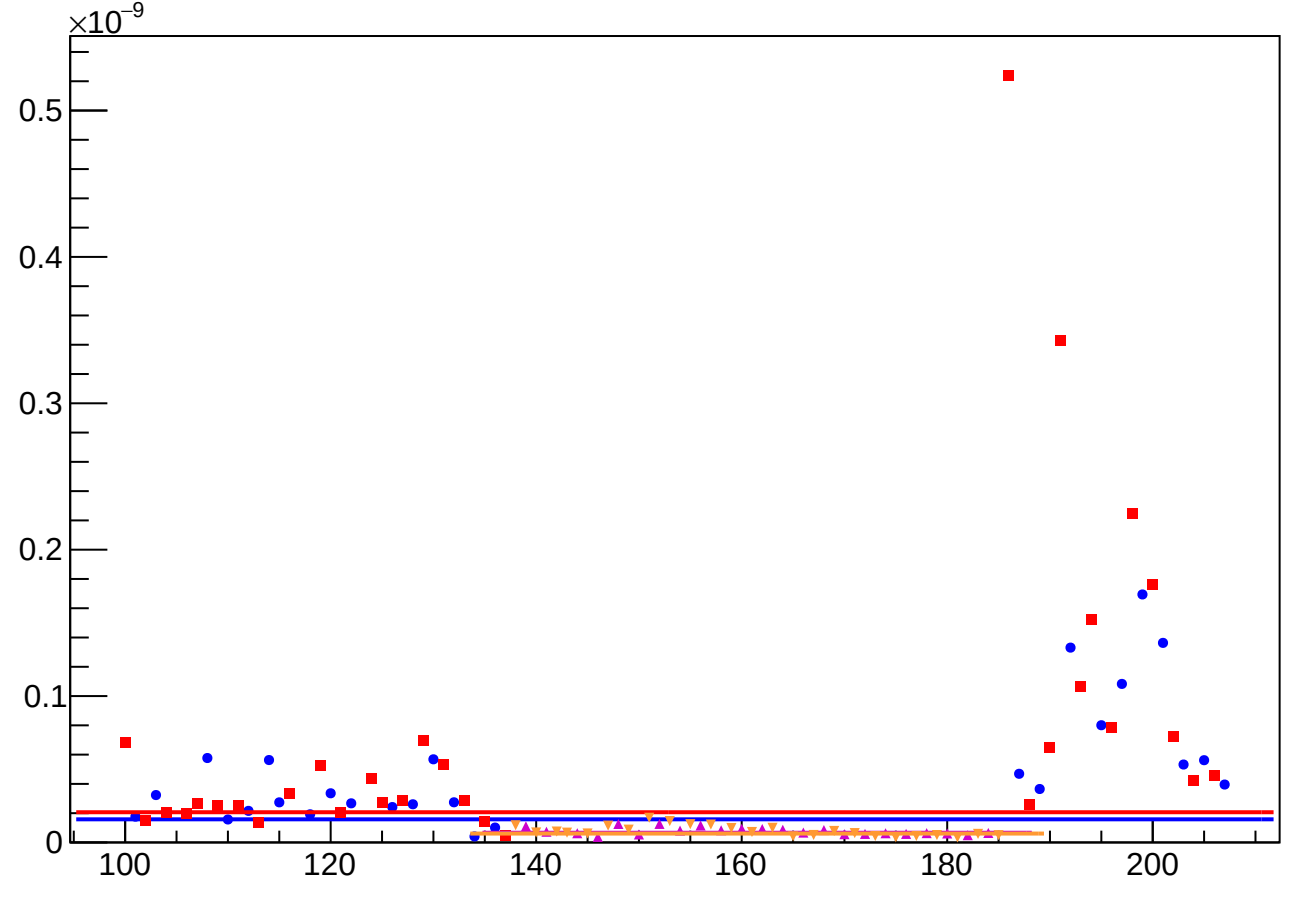
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 62.8/56

In: 0.000+/-0.000 χ^2/NDF:39.8/48

Out: 0.000+/-0.000 χ^2/NDF:51.9/55

All: 0.000+/-0.000 χ^2/NDF: 92.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 6084818.7/25

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

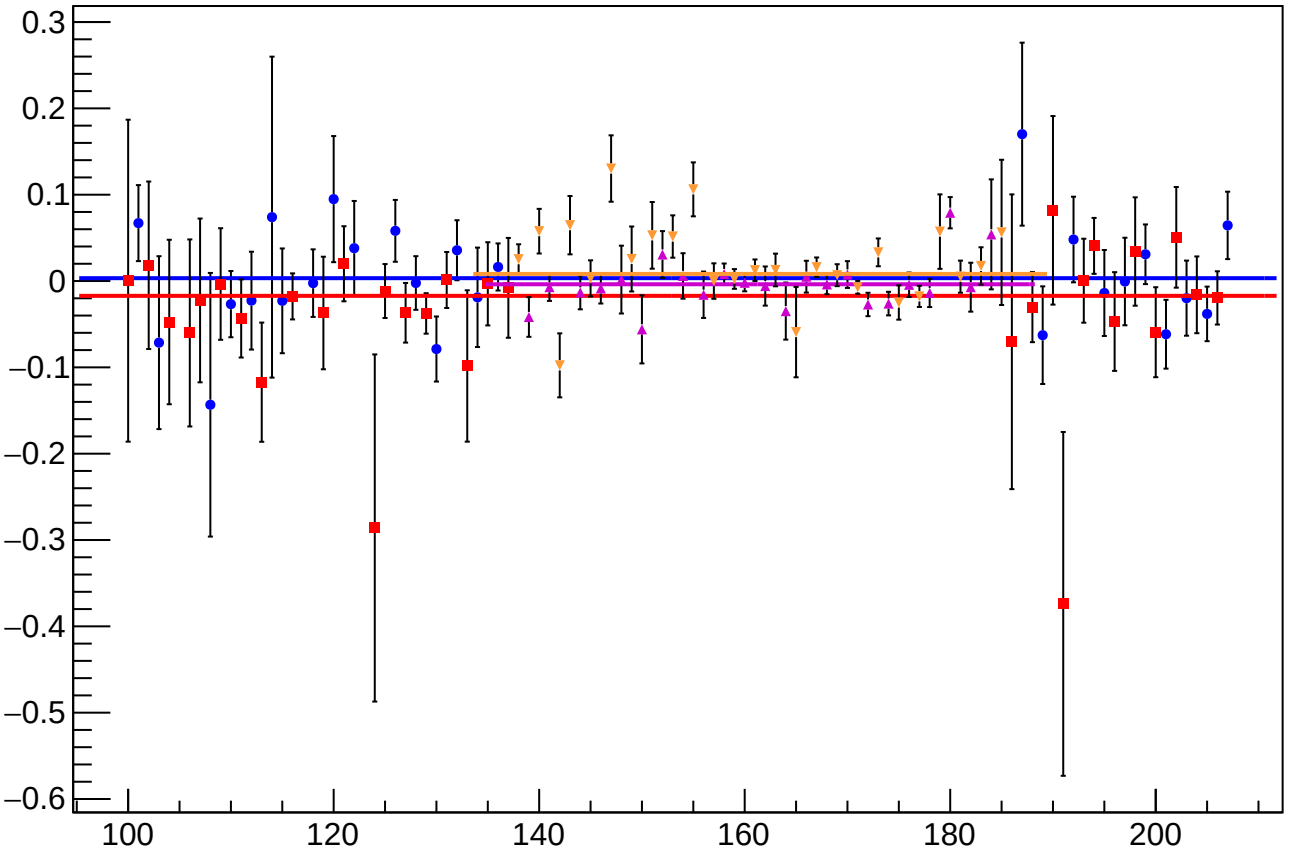
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11879610.0/56

In: 0.000+/-0.000 χ^2/NDF:9137836.9/48

Out: 0.000+/-0.000 χ^2/NDF:11433344.3/55

All: 0.000+/-0.000 χ^2/NDF: 20624103.0/104



Right In: 0.003+/-0.009 χ^2/NDF: 27.6/25

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

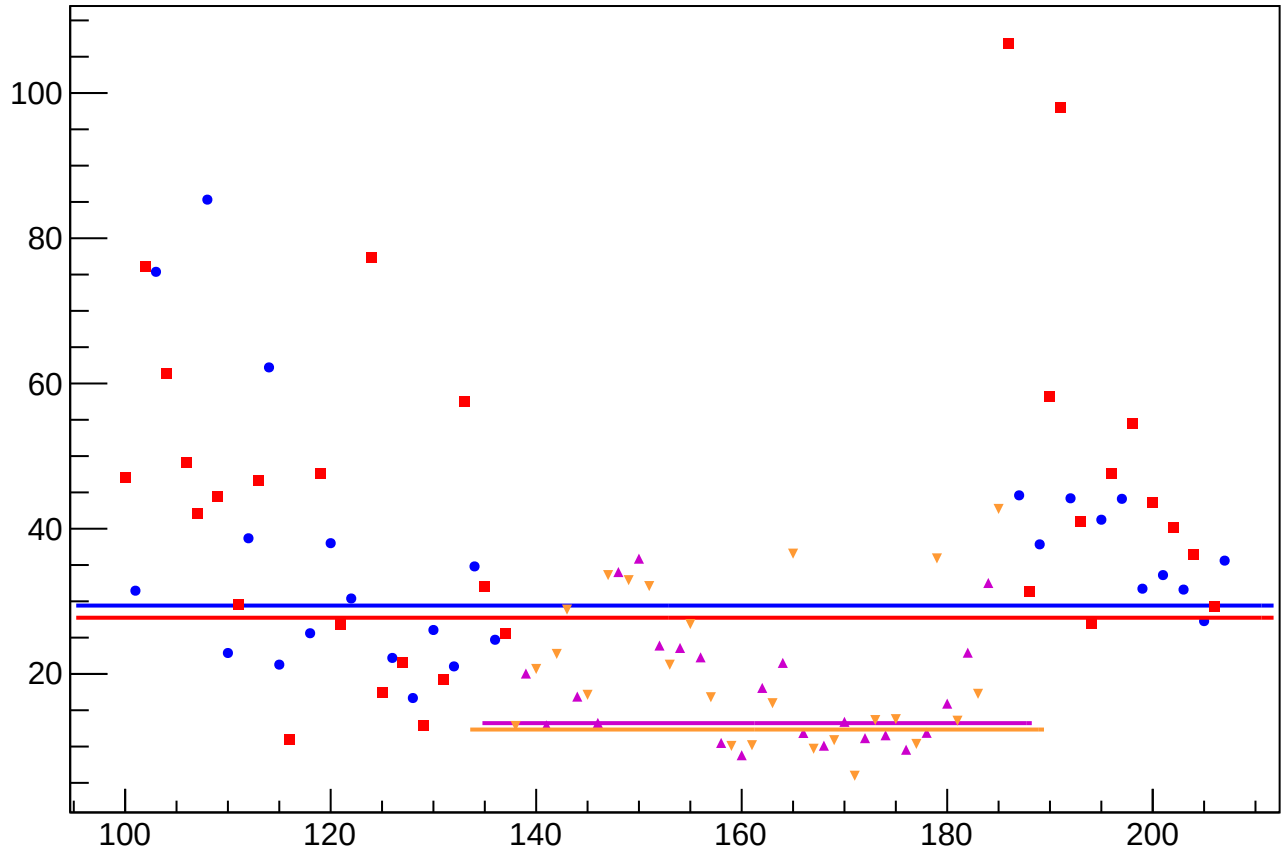
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.007+/-0.006 χ^2/NDF: 48.9/56

In: -0.003+/-0.003 χ^2/NDF:65.4/48

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 152.8/104



Right In: 29.416+/-0.006 χ^2/NDF: 2216049.1/25

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

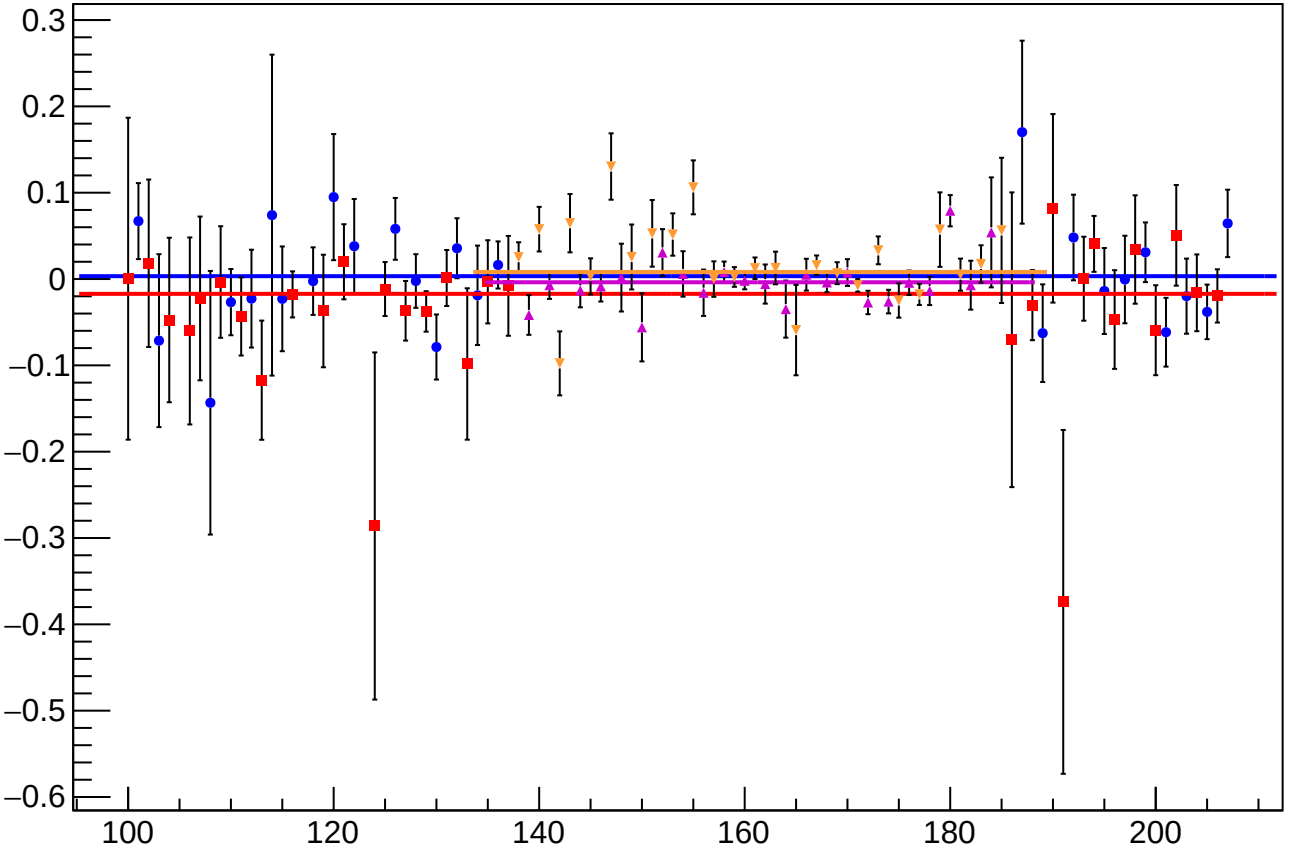
Right: 28.561+/-0.004 χ^2/NDF: 7969208.4/56

In: 15.654+/-0.002 χ^2/NDF:12043975.4/48

Out: 14.543+/-0.002 χ^2/NDF:18138609.7/55

All: 15.073+/-0.002 χ^2/NDF: 30297673.2/104

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.009 χ^2/NDF: 27.6/25

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

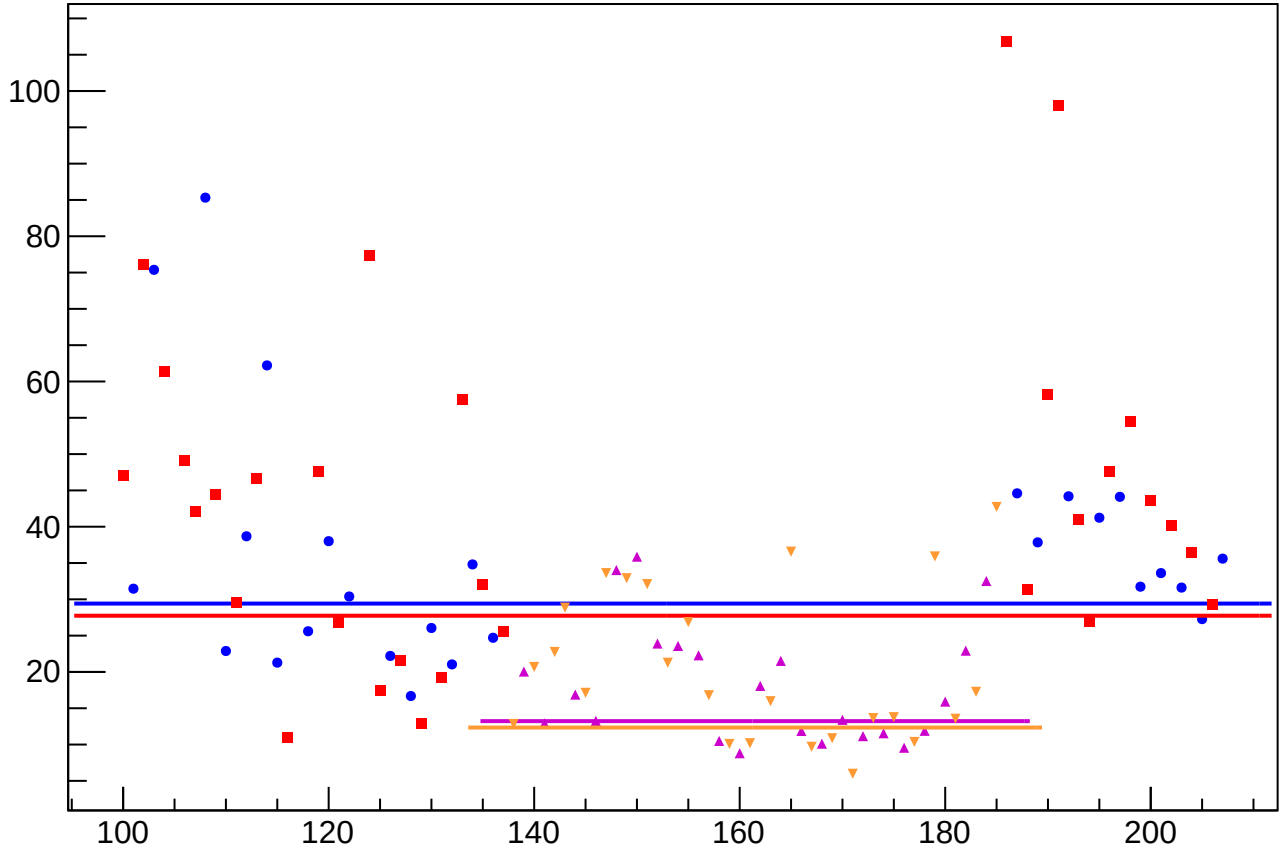
Right: -0.007+/-0.006 χ^2/NDF: 48.9/56

In: -0.003+/-0.003 χ^2/NDF:65.4/48

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 152.8/104

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.416+/-0.006 χ^2/NDF: 2216049.1/25

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

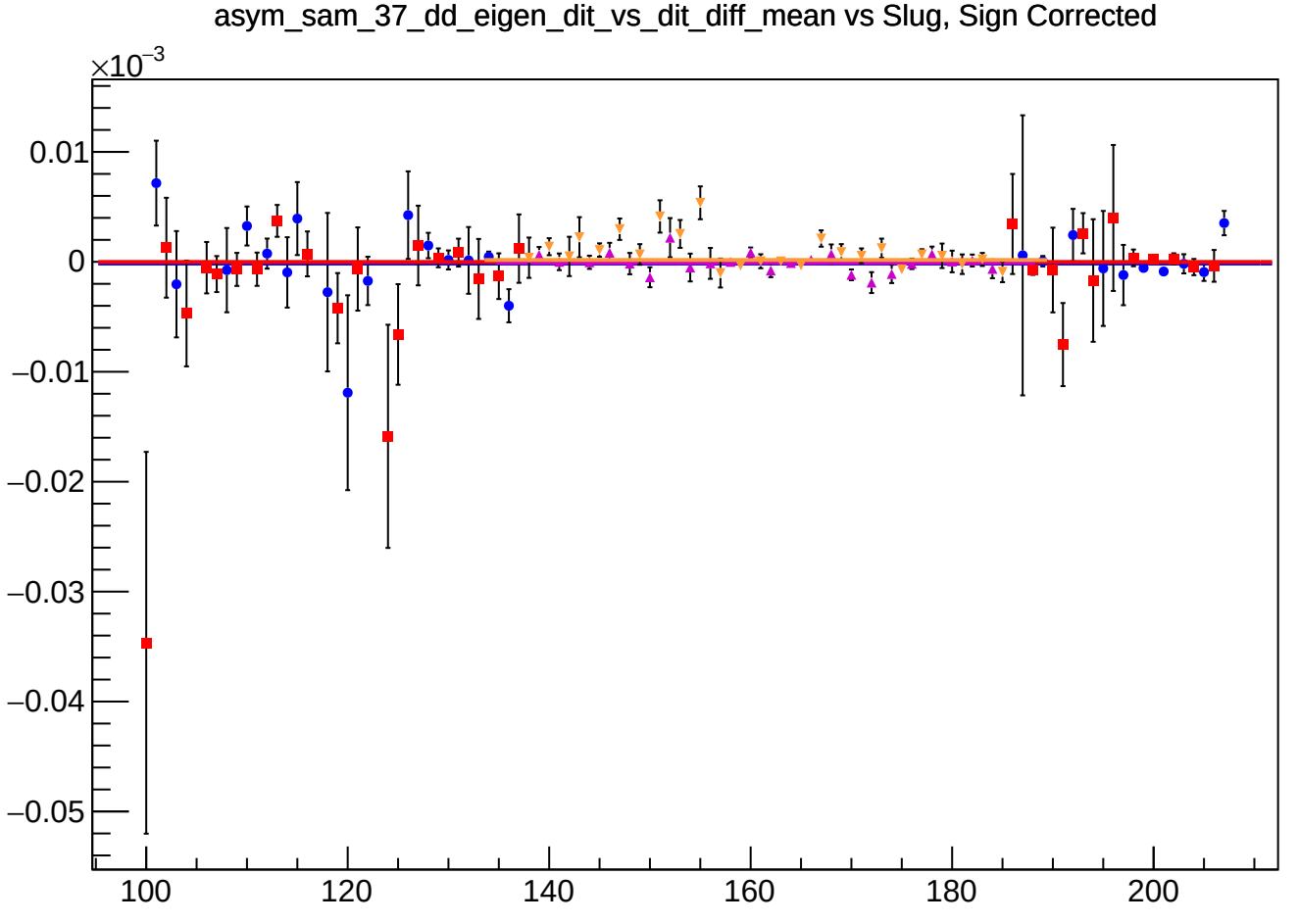
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.561+/-0.004 χ^2/NDF: 7969208.4/56

In: 15.654+/-0.002 χ^2/NDF:12043975.4/48

Out: 14.543+/-0.002 χ^2/NDF:18138609.7/55

All: 15.073+/-0.002 χ^2/NDF: 30297673.2/104



Right In: -0.000+/-0.000 χ^2/NDF: 41.6/25

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

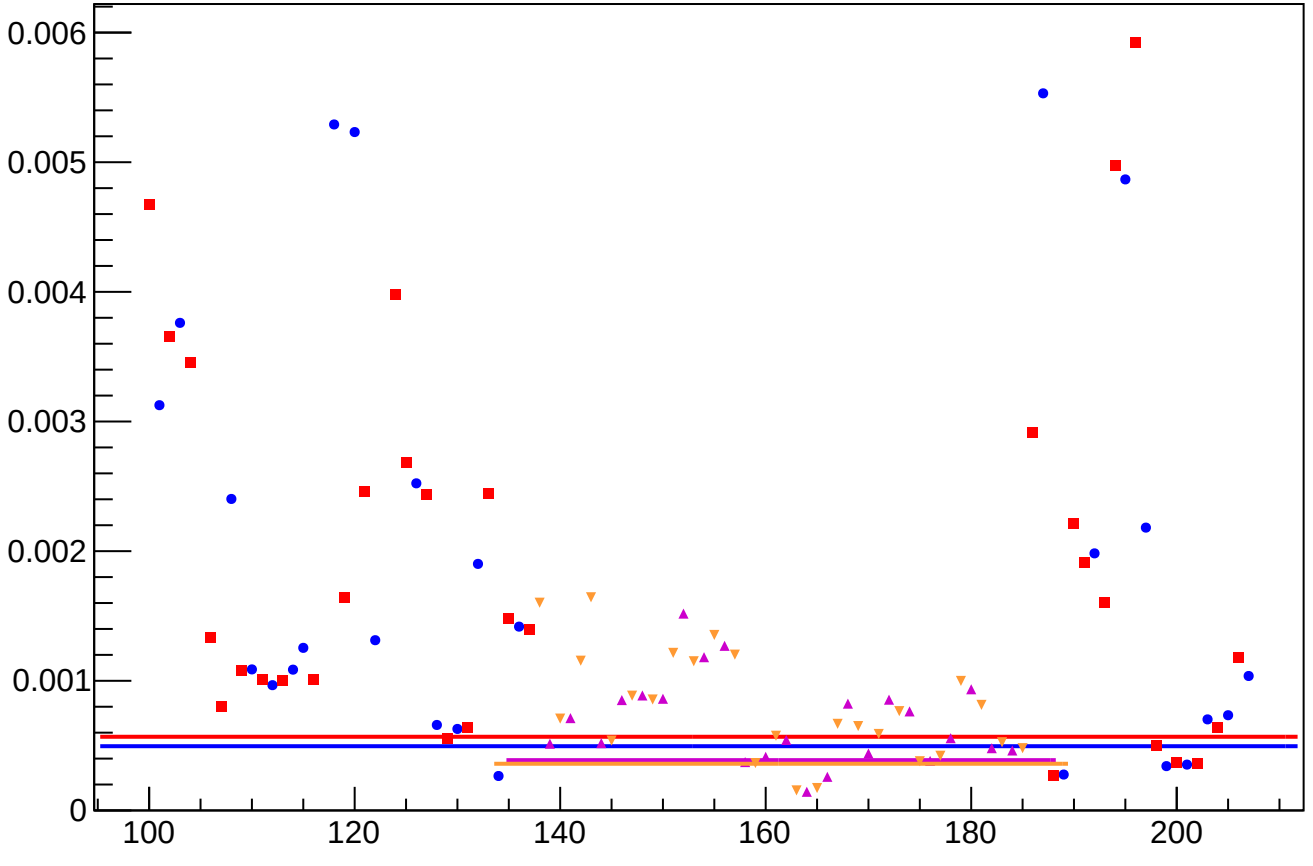
Right: -0.000+/-0.000 χ^2/NDF: 73.2/56

In: -0.000+/-0.000 χ^2/NDF:66.2/48

Out: 0.000+/-0.000 χ^2/NDF:93.4/55

All: 0.000+/-0.000 χ^2/NDF: 162.8/104

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 12017778.5/25

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

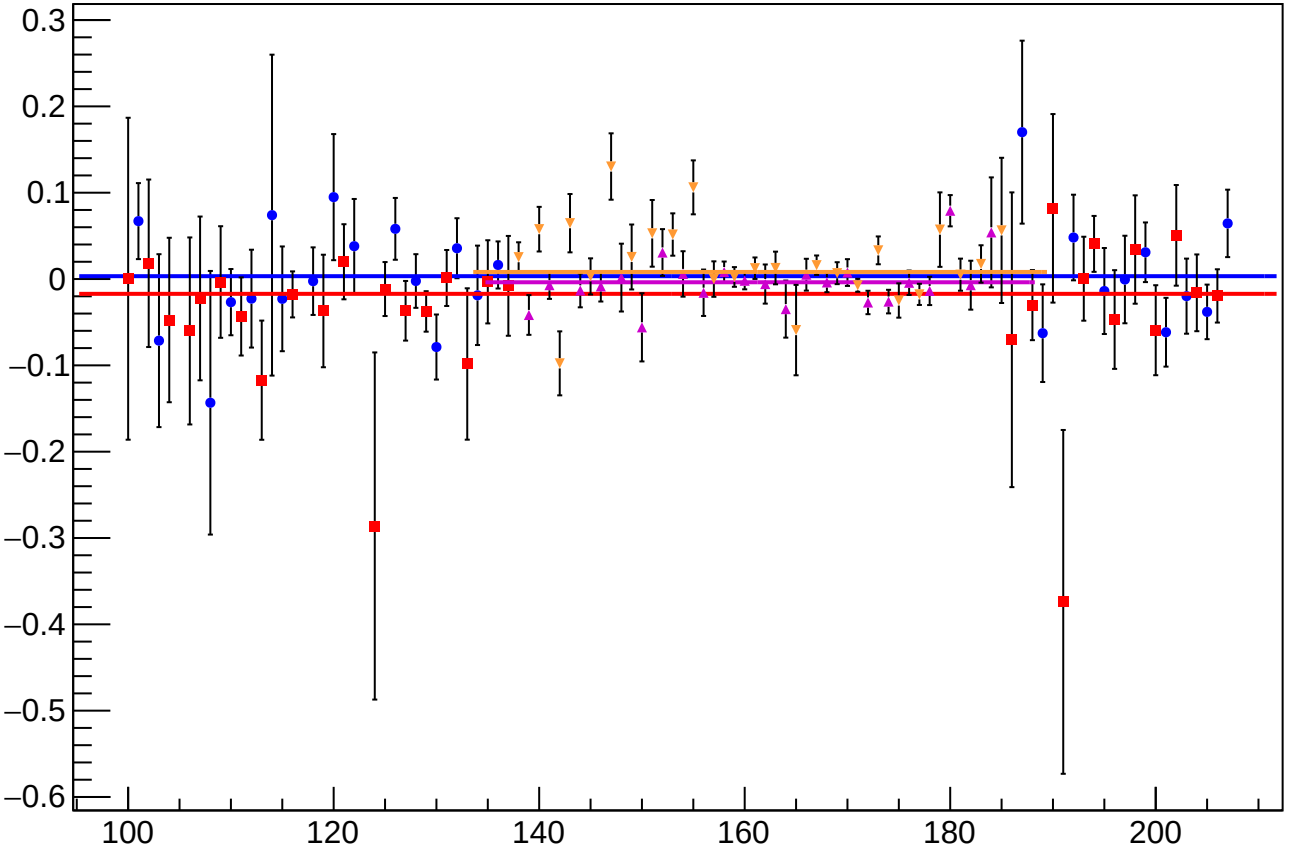
Right: 0.001+/-0.000 χ^2/NDF: 24202201.1/56

In: 0.000+/-0.000 χ^2/NDF:22994798.0/48

Out: 0.000+/-0.000 χ^2/NDF:27728614.6/55

All: 0.000+/-0.000 χ^2/NDF: 50746217.4/104

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.009 χ^2/NDF: 27.6/25

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

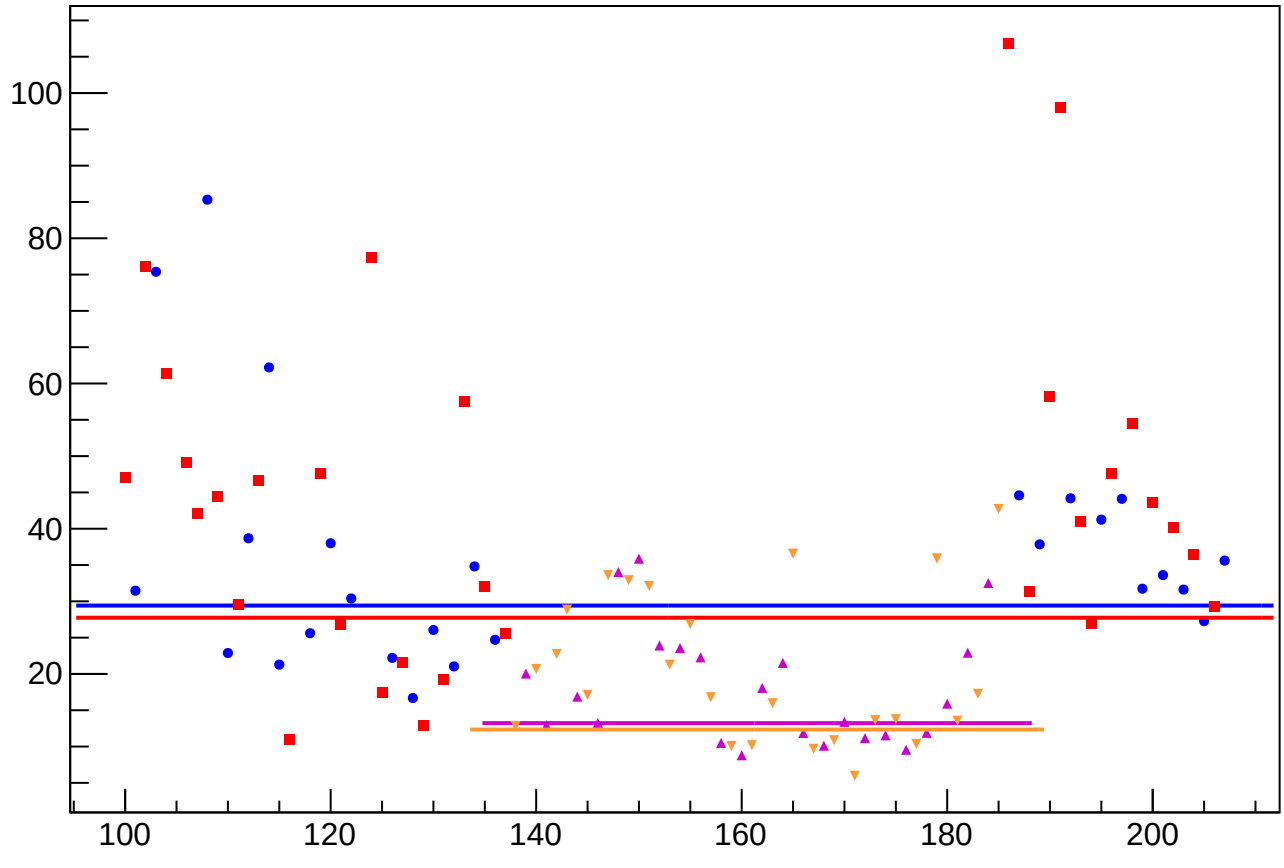
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.007+/-0.006 χ^2/NDF: 48.9/56

In: -0.003+/-0.003 χ^2/NDF:65.4/48

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 152.8/104



Right In: 29.416+/-0.006 χ^2/NDF: 2215972.7/25

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

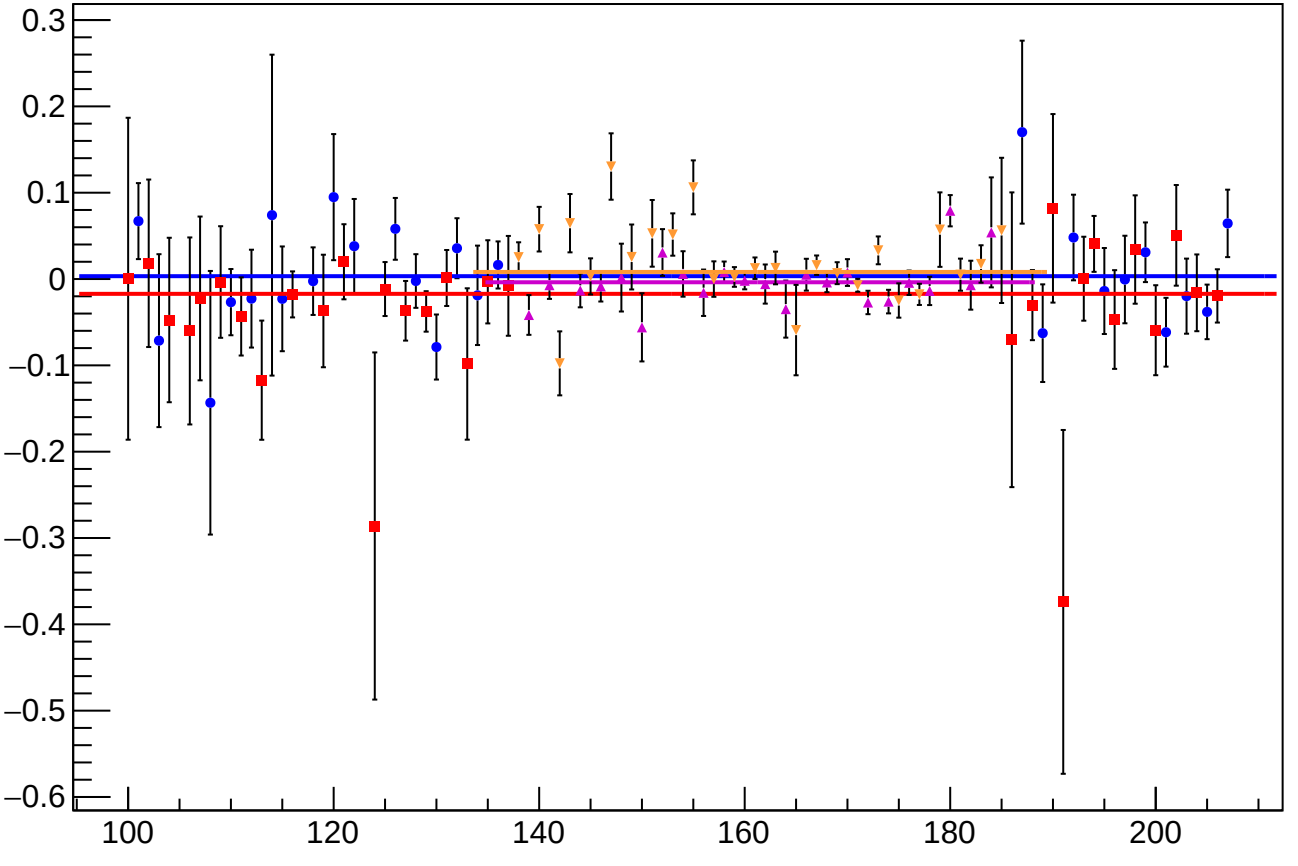
Right: 28.561+/-0.004 χ^2/NDF: 7968787.9/56

In: 15.654+/-0.002 χ^2/NDF:12044167.0/48

Out: 14.543+/-0.002 χ^2/NDF:18138754.0/55

All: 15.073+/-0.002 χ^2/NDF: 30297995.0/104

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.009 χ^2/NDF: 27.6/25

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

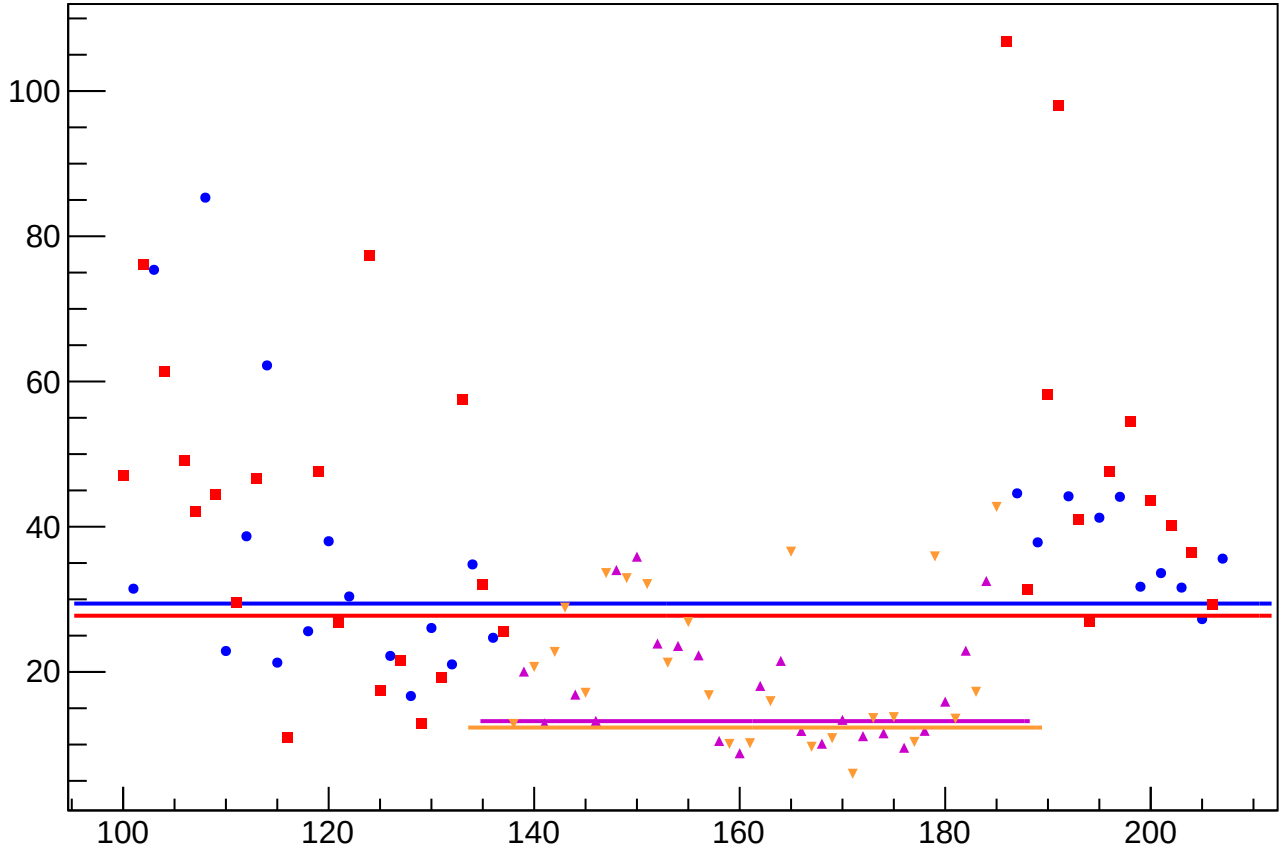
Right: -0.007+/-0.006 χ^2/NDF: 48.9/56

In: -0.003+/-0.003 χ^2/NDF:65.4/48

Out: 0.005+/-0.003 χ^2/NDF:84.9/55

All: 0.001+/-0.002 χ^2/NDF: 152.8/104

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.416+/-0.006 χ^2/NDF: 2215972.7/25

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

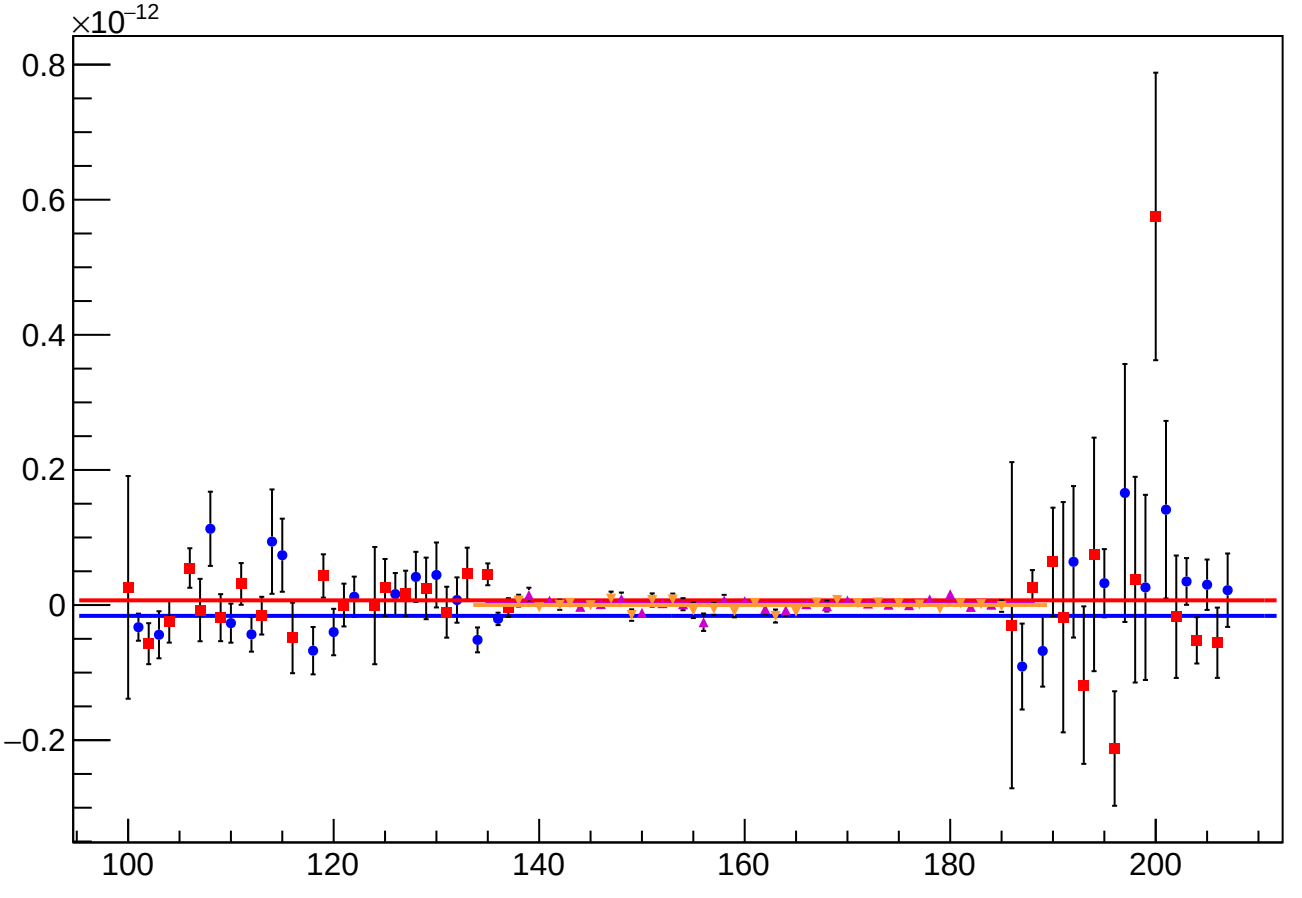
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.561+/-0.004 χ^2/NDF: 7968787.9/56

In: 15.654+/-0.002 χ^2/NDF:12044167.0/48

Out: 14.543+/-0.002 χ^2/NDF:18138754.0/55

All: 15.073+/-0.002 χ^2/NDF: 30297995.0/104



Right In: -0.000+/-0.000 χ^2/NDF: 36.4/25

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

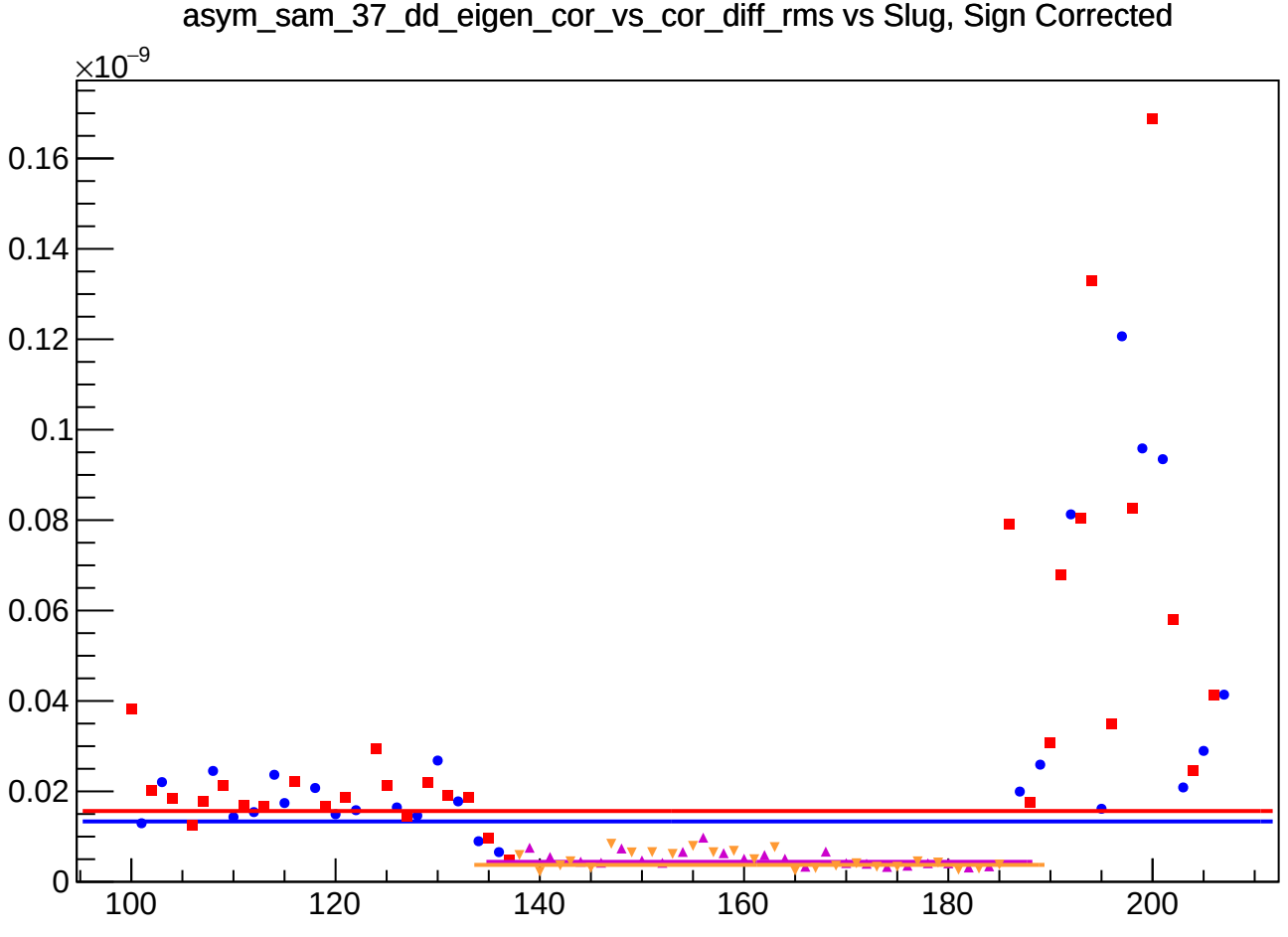
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 85.0/56

In: 0.000+/-0.000 χ^2/NDF:71.1/48

Out: 0.000+/-0.000 χ^2/NDF:64.0/55

All: 0.000+/-0.000 χ^2/NDF: 135.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 5744765.3/25

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

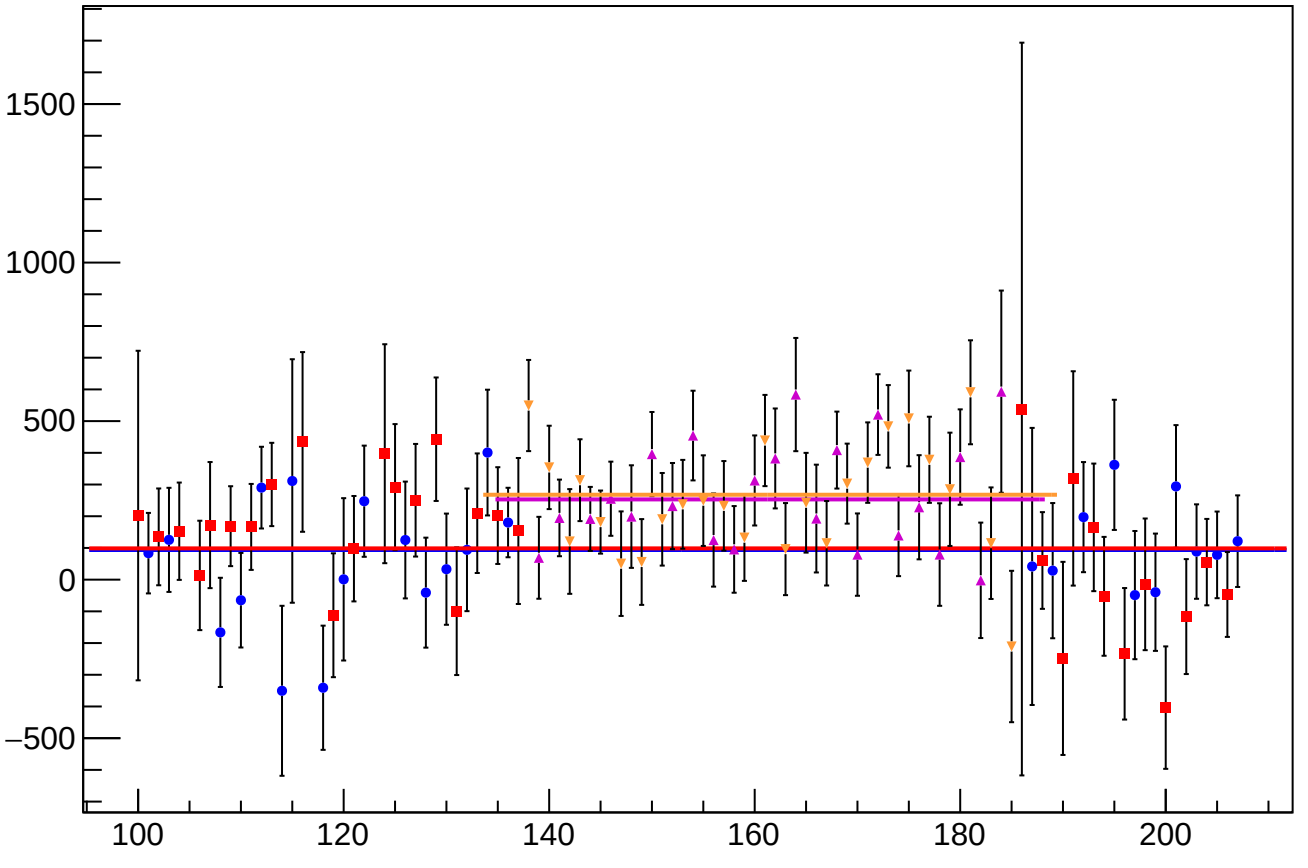
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12308737.1/56

In: 0.000+/-0.000 χ^2/NDF:12120036.3/48

Out: 0.000+/-0.000 χ^2/NDF:16402201.3/55

All: 0.000+/-0.000 χ^2/NDF: 28884804.5/104



Right In: 93.521+/-33.818 χ^2/NDF: 22.8/25

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

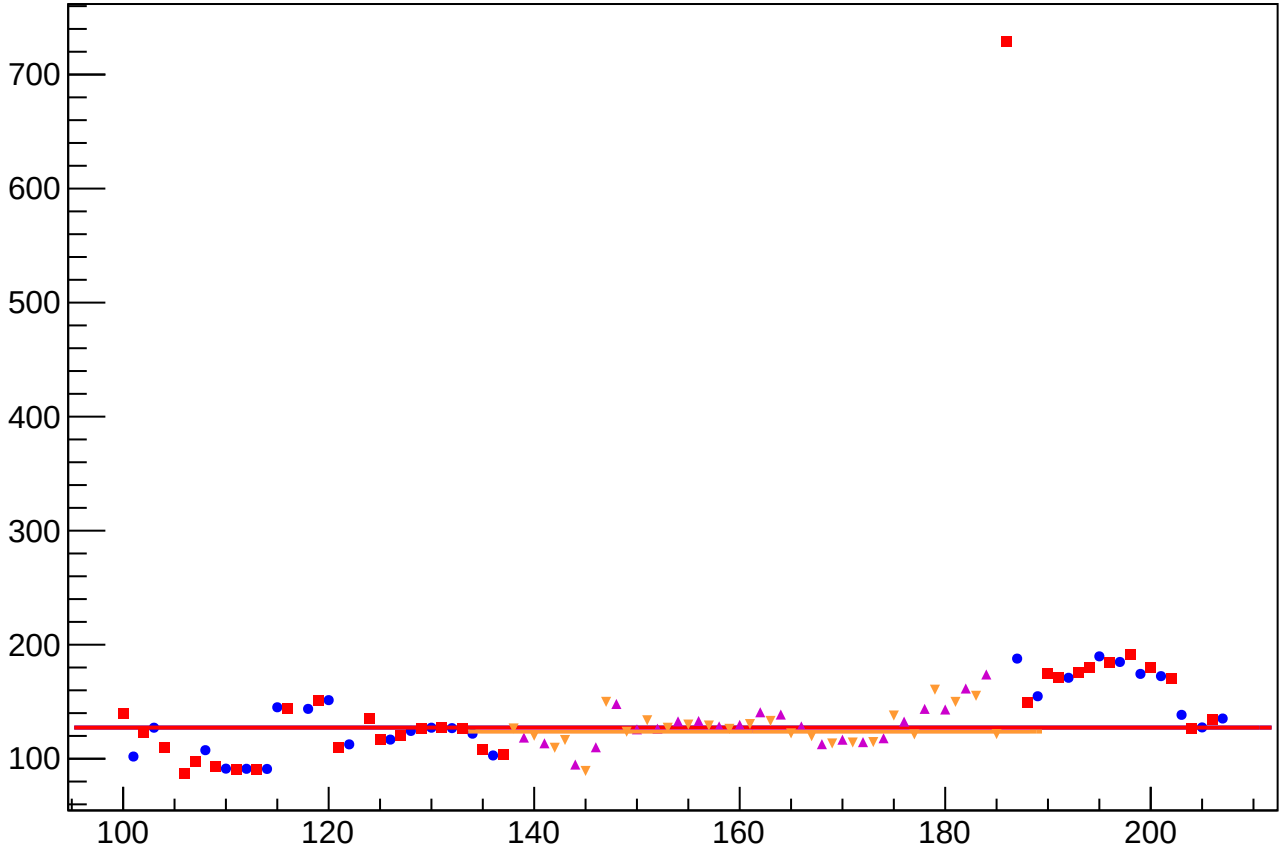
Right: 96.149+/-23.513 χ^2/NDF: 51.2/56

In: 184.611+/-22.150 χ^2/NDF:61.6/48

Out: 195.058+/-21.450 χ^2/NDF:74.7/55

All: 190.002+/-15.409 χ^2/NDF: 136.5/104

reg_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.349+/-0.024 χ^2/NDF: 1376134.2/25

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

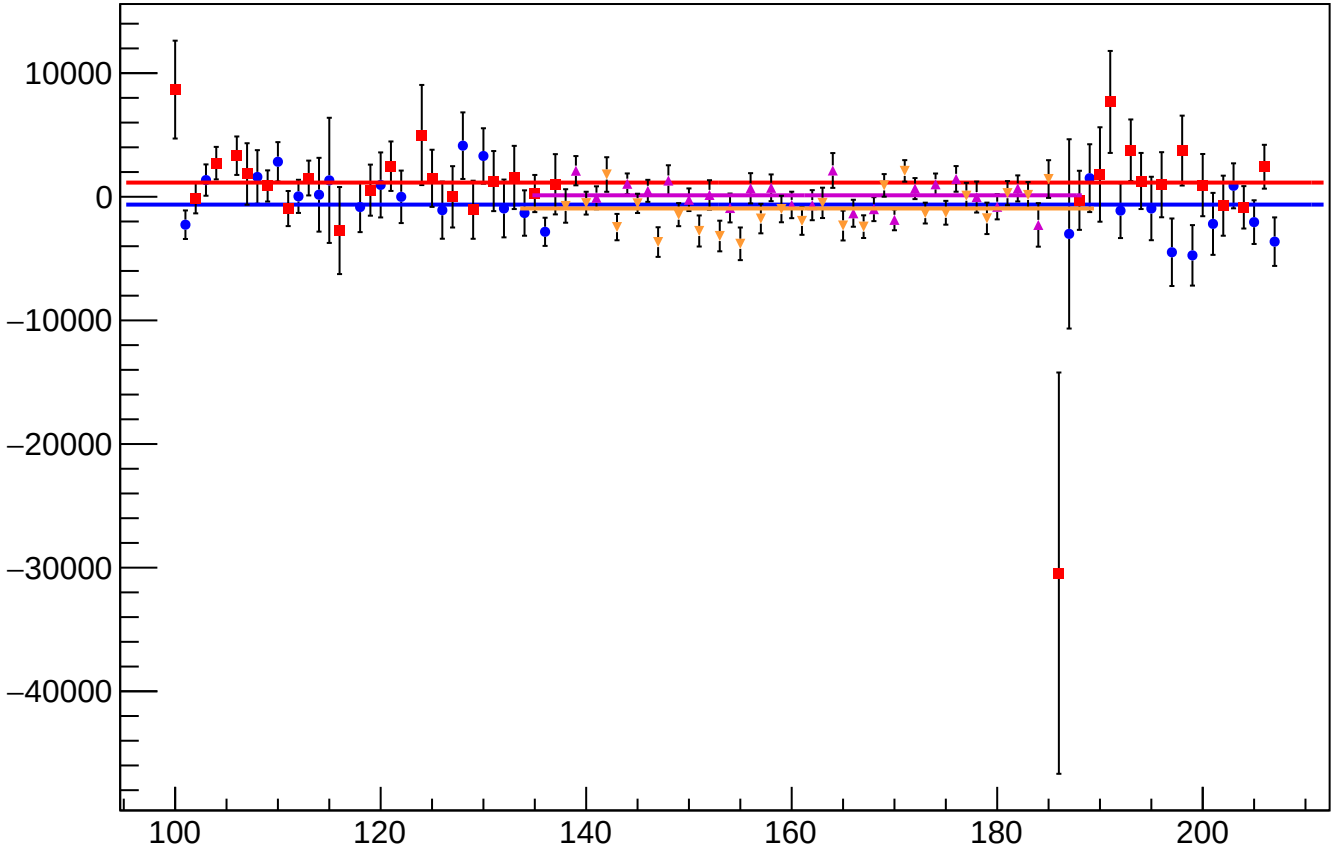
Right: 127.329+/-0.017 χ^2/NDF: 3686097.8/56

In: 125.584+/-0.016 χ^2/NDF:1942881.9/48

Out: 125.314+/-0.015 χ^2/NDF:2921486.8/55

All: 125.445+/-0.011 χ^2/NDF: 4864522.9/104

asym_sam_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -633.409+/-380.129 χ^2/NDF: 31.0/25

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

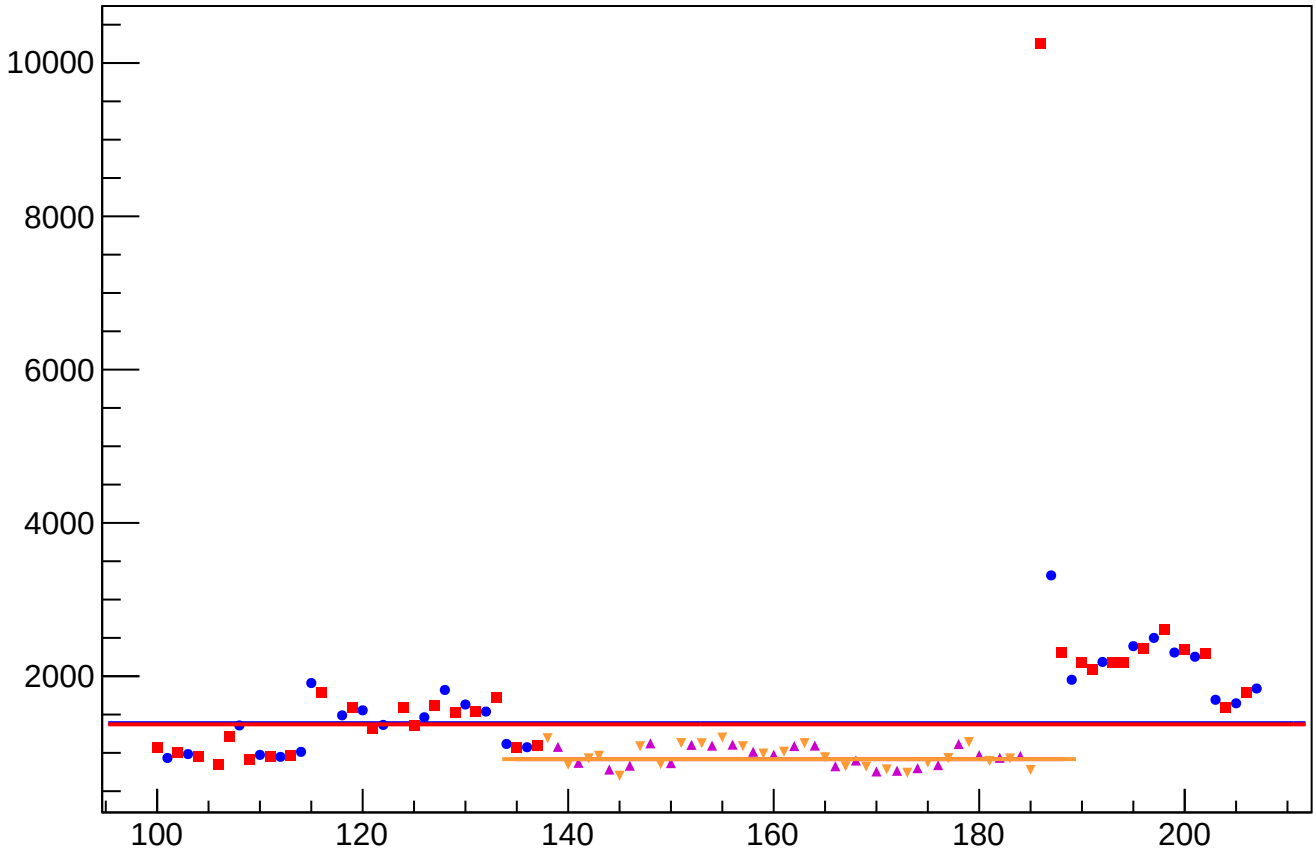
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 292.904+/-263.298 χ^2/NDF: 68.0/56

In: -66.571+/-188.563 χ^2/NDF:58.3/48

Out: -420.145+/-183.194 χ^2/NDF:100.6/55

All: -248.464+/-131.395 χ^2/NDF: 160.7/104



Right In: 1387.466+/-0.269 χ^2/NDF: 3048164.8/25

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1371.838+/-0.258 χ^2/NDF: 4401992.8/30

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

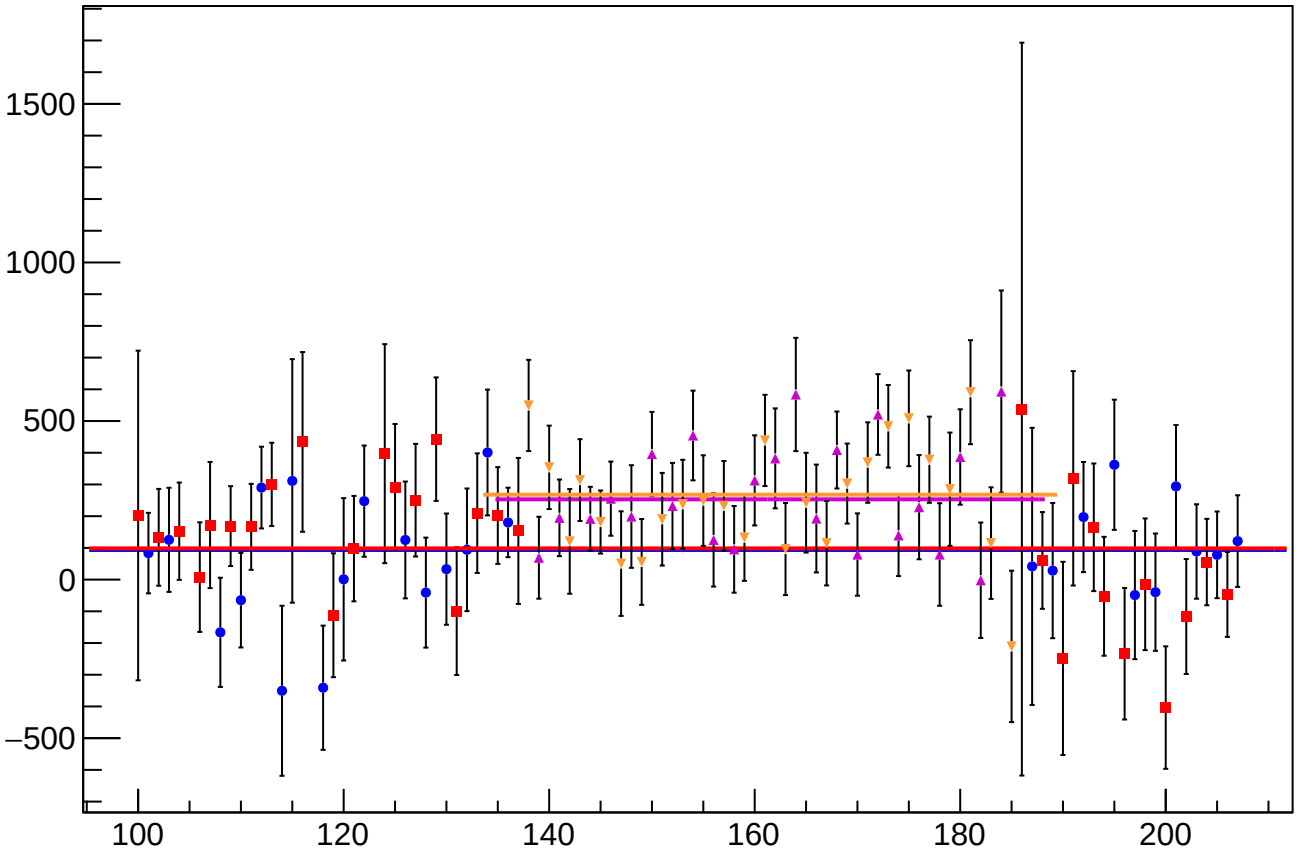
Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

Right: 1379.336+/-0.186 χ^2/NDF: 7451916.1/56

In: 1033.681+/-0.133 χ^2/NDF:6012234.1/48

Out: 1032.669+/-0.130 χ^2/NDF:7597458.3/55

All: 1033.161+/-0.093 χ^2/NDF: 13609722.0/



Right In: 93.514+/-33.818 χ^2/NDF: 22.8/25

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

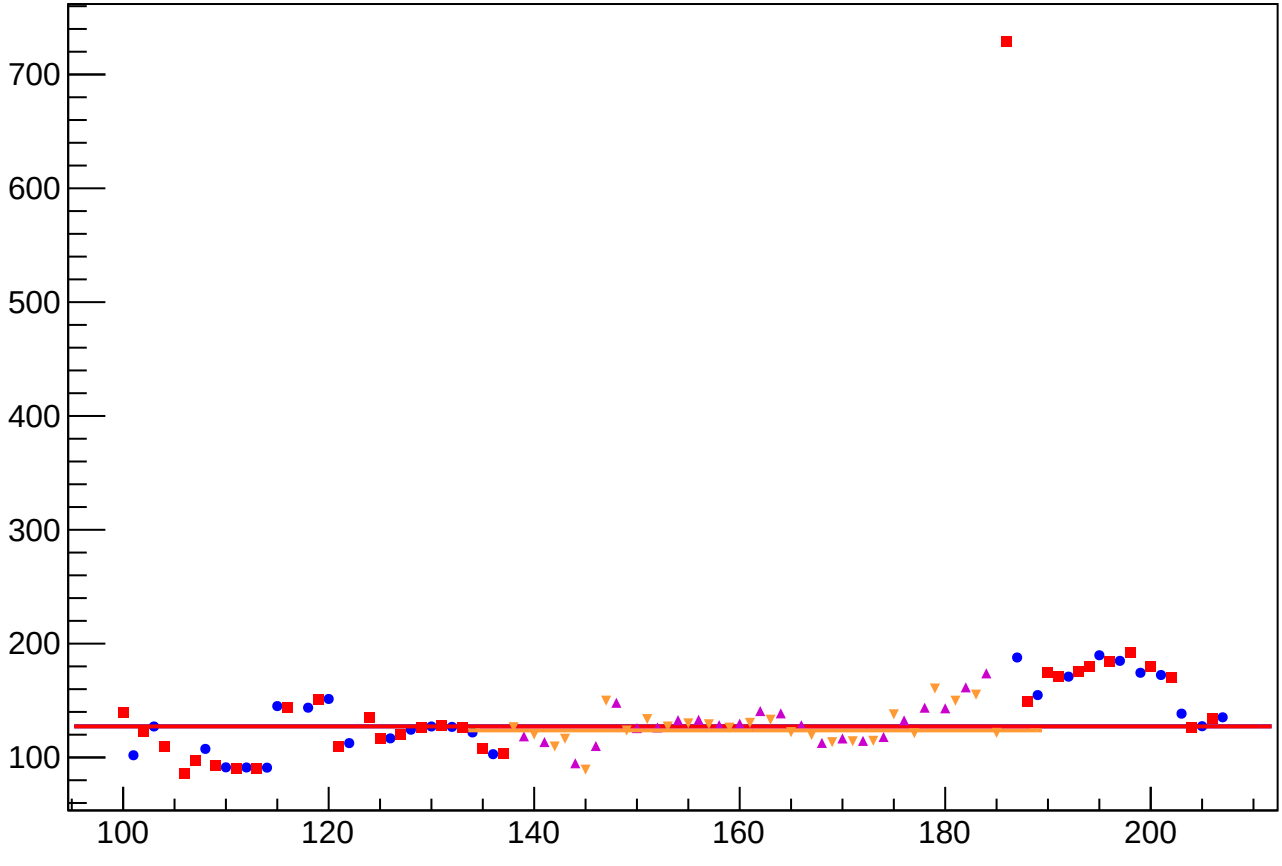
Right: 96.010+/-23.514 χ^2/NDF: 51.3/56

In: 184.609+/-22.150 χ^2/NDF:61.6/48

Out: 194.959+/-21.450 χ^2/NDF:74.8/55

All: 189.950+/-15.409 χ^2/NDF: 136.5/104

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 127.349+/-0.024 χ^2/NDF: 1376134.2/25

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

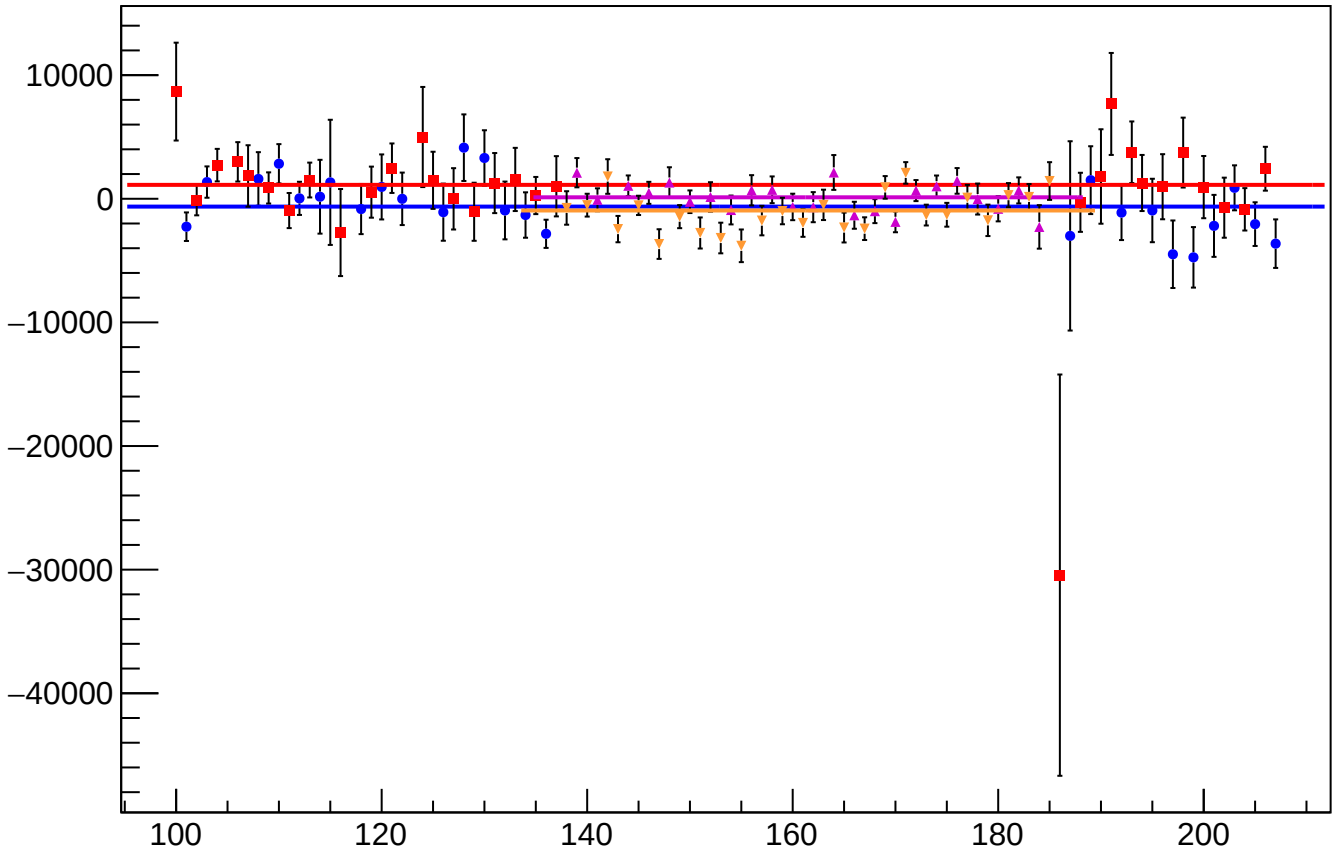
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.312+/-0.017 χ^2/NDF: 3691927.0/56

In: 125.584+/-0.016 χ^2/NDF:1942882.1/48

Out: 125.299+/-0.015 χ^2/NDF:2927065.1/55

All: 125.437+/-0.011 χ^2/NDF: 4870118.2/104



Right In: -633.476+/-380.131 χ^2/NDF: 31.0/25

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

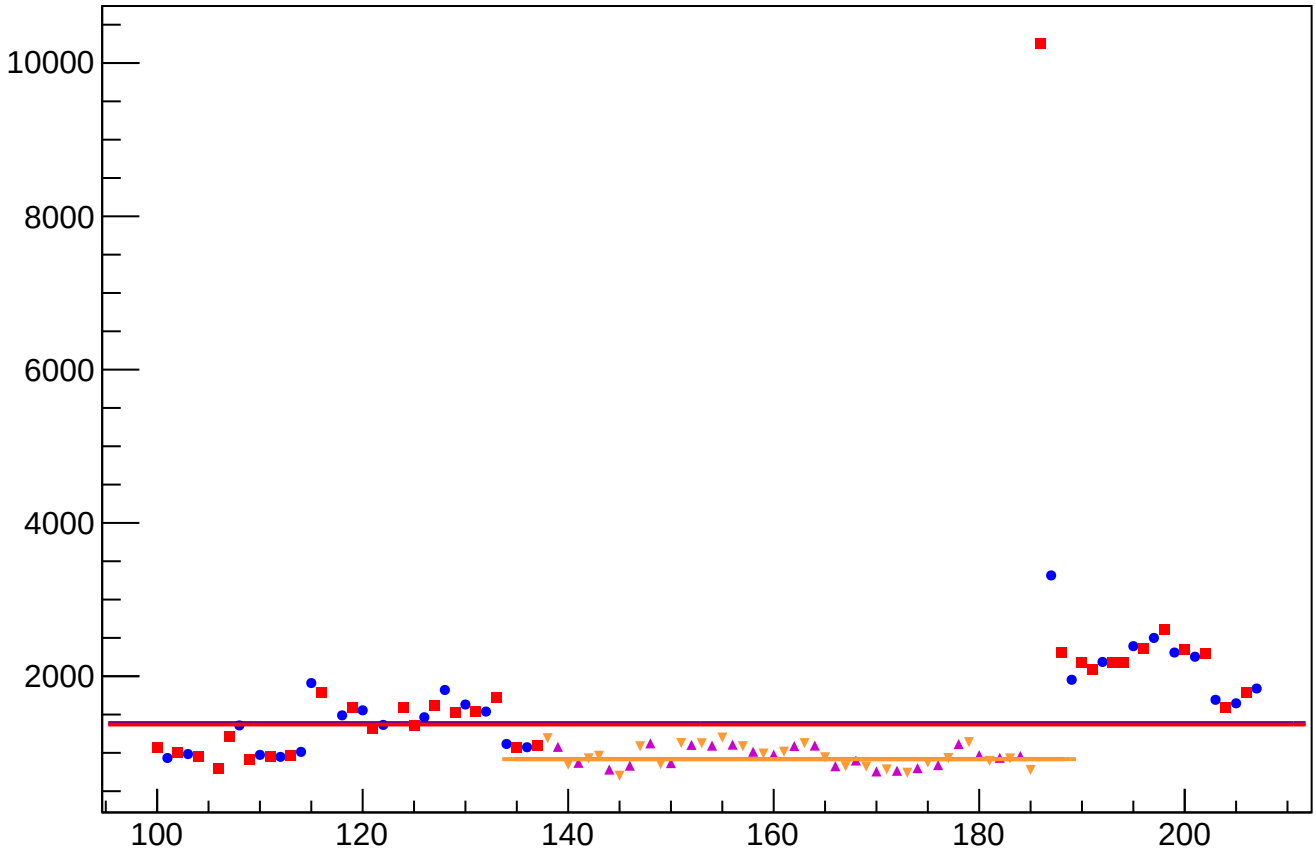
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 279.884+/-263.475 χ^2/NDF: 67.1/56

In: -66.584+/-188.564 χ^2/NDF:58.3/48

Out: -426.886+/-183.253 χ^2/NDF:99.4/55

All: -251.880+/-131.417 χ^2/NDF: 159.5/104



Right In: 1387.475+/-0.269 χ^2/NDF: 3048082.6/25

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

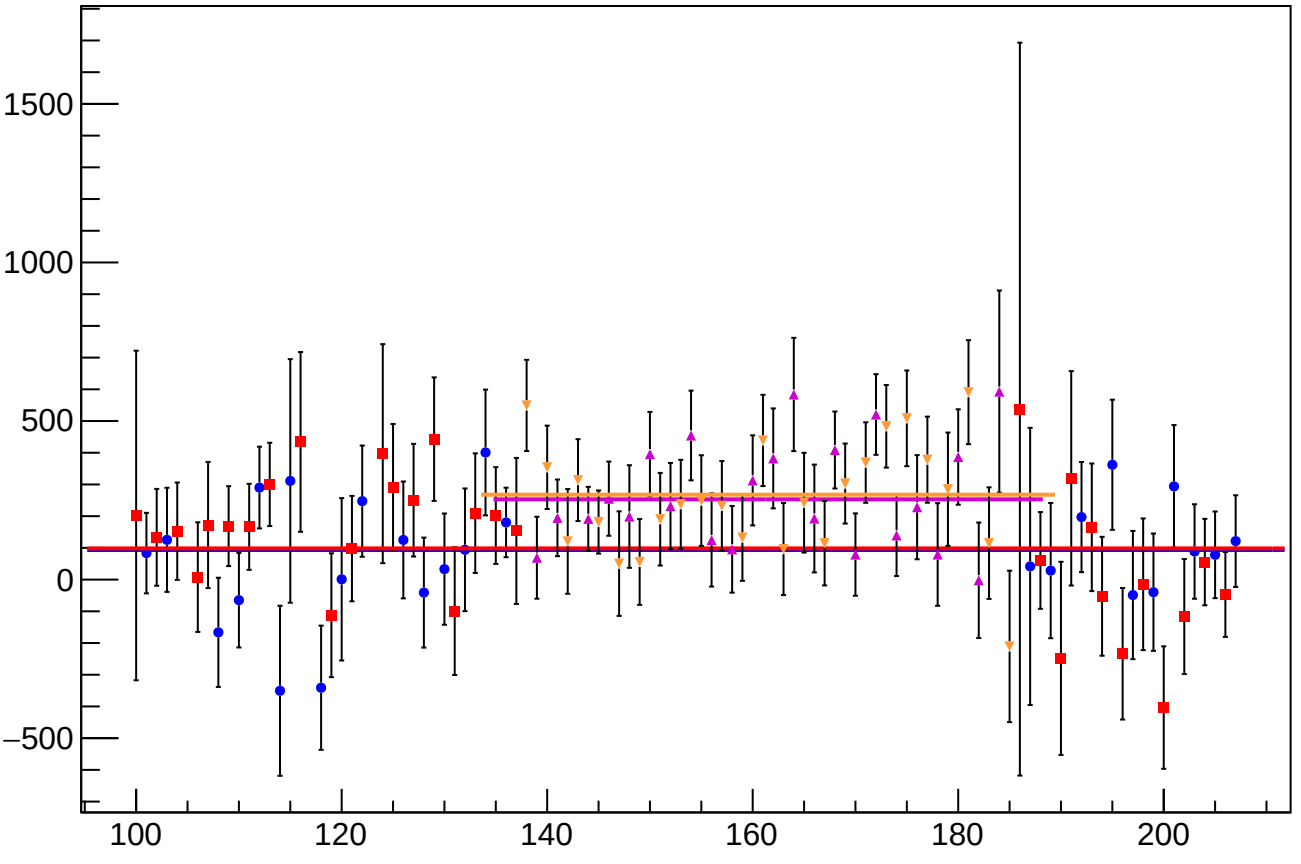
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1378.683+/-0.186 χ^2/NDF: 7485103.3/56

In: 1033.683+/-0.133 χ^2/NDF:6012226.1/48

Out: 1032.126+/-0.130 χ^2/NDF:7612936.4/55

All: 1032.882+/-0.093 χ^2/NDF: 13625232.6/1



Right In: 93.514+/-33.818 χ^2/NDF: 22.8/25

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

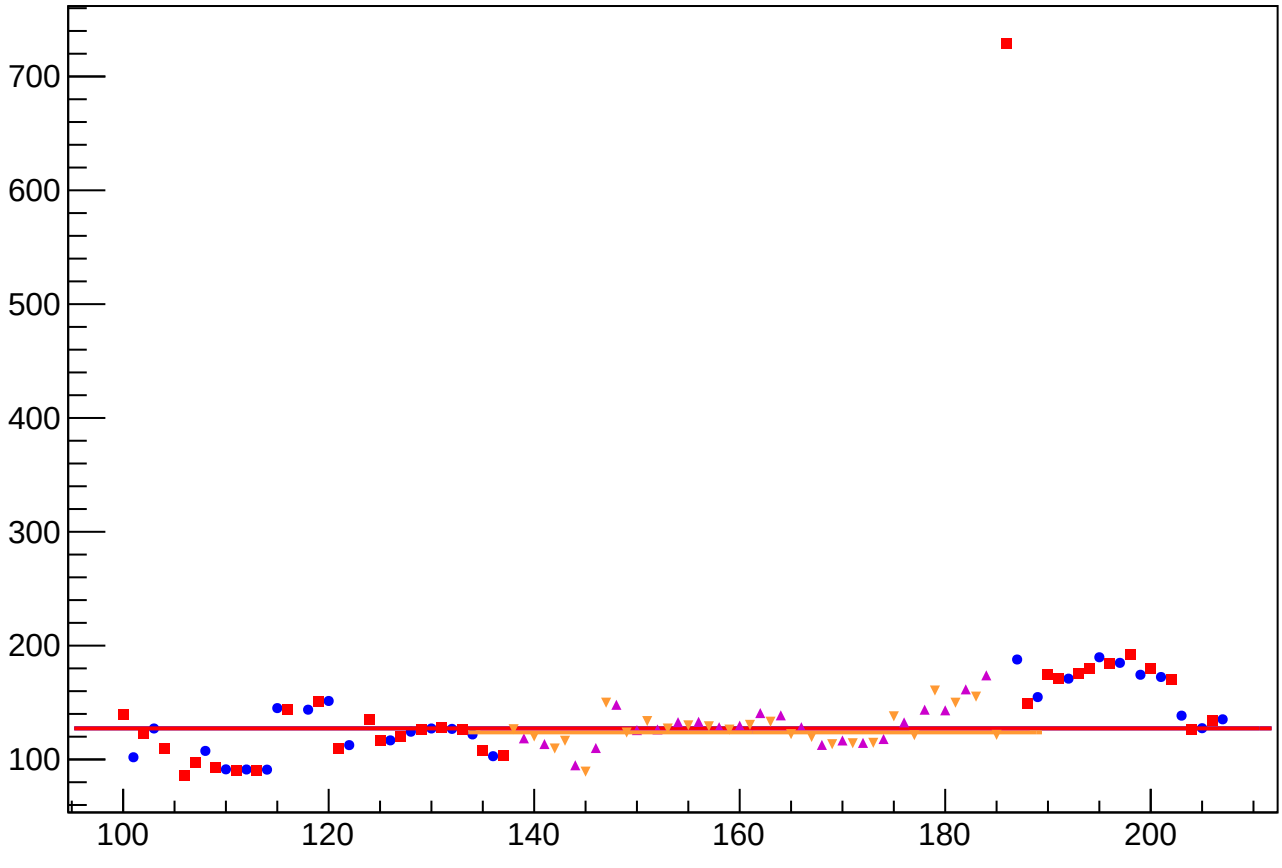
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 96.010+/-23.514 χ^2/NDF: 51.3/56

In: 184.609+/-22.150 χ^2/NDF:61.6/48

Out: 194.959+/-21.450 χ^2/NDF:74.8/55

All: 189.950+/-15.409 χ^2/NDF: 136.5/104



Right In: 127.349+/-0.024 χ^2/NDF: 1376134.2/25

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

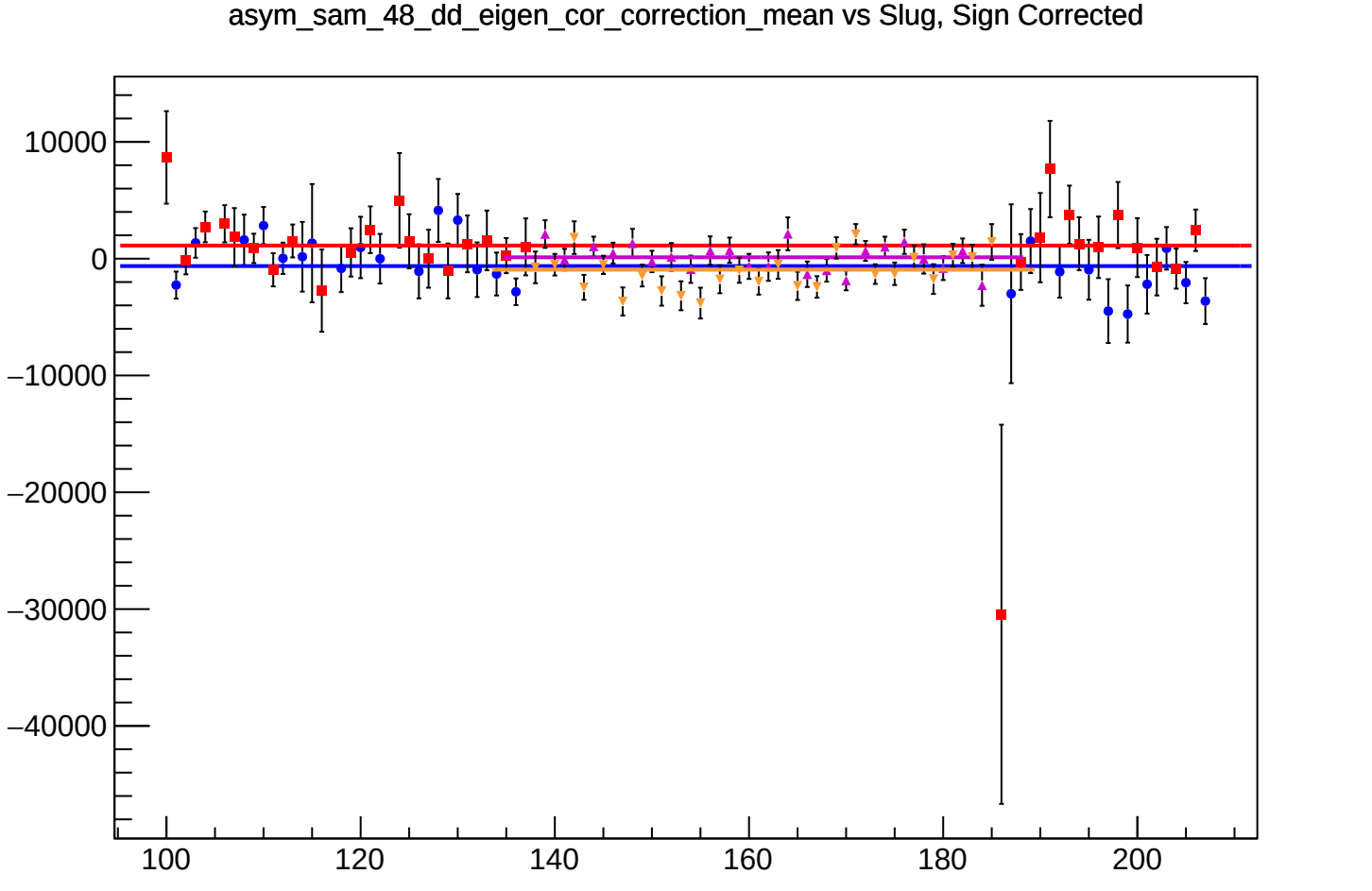
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

Right: 127.312+/-0.017 χ^2/NDF: 3691927.0/56

In: 125.584+/-0.016 χ^2/NDF:1942882.1/48

Out: 125.299+/-0.015 χ^2/NDF:2927065.1/55

All: 125.437+/-0.011 χ^2/NDF: 4870118.2/104



Right In: -633.476+/-380.131 χ^2/NDF: 31.0/25

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

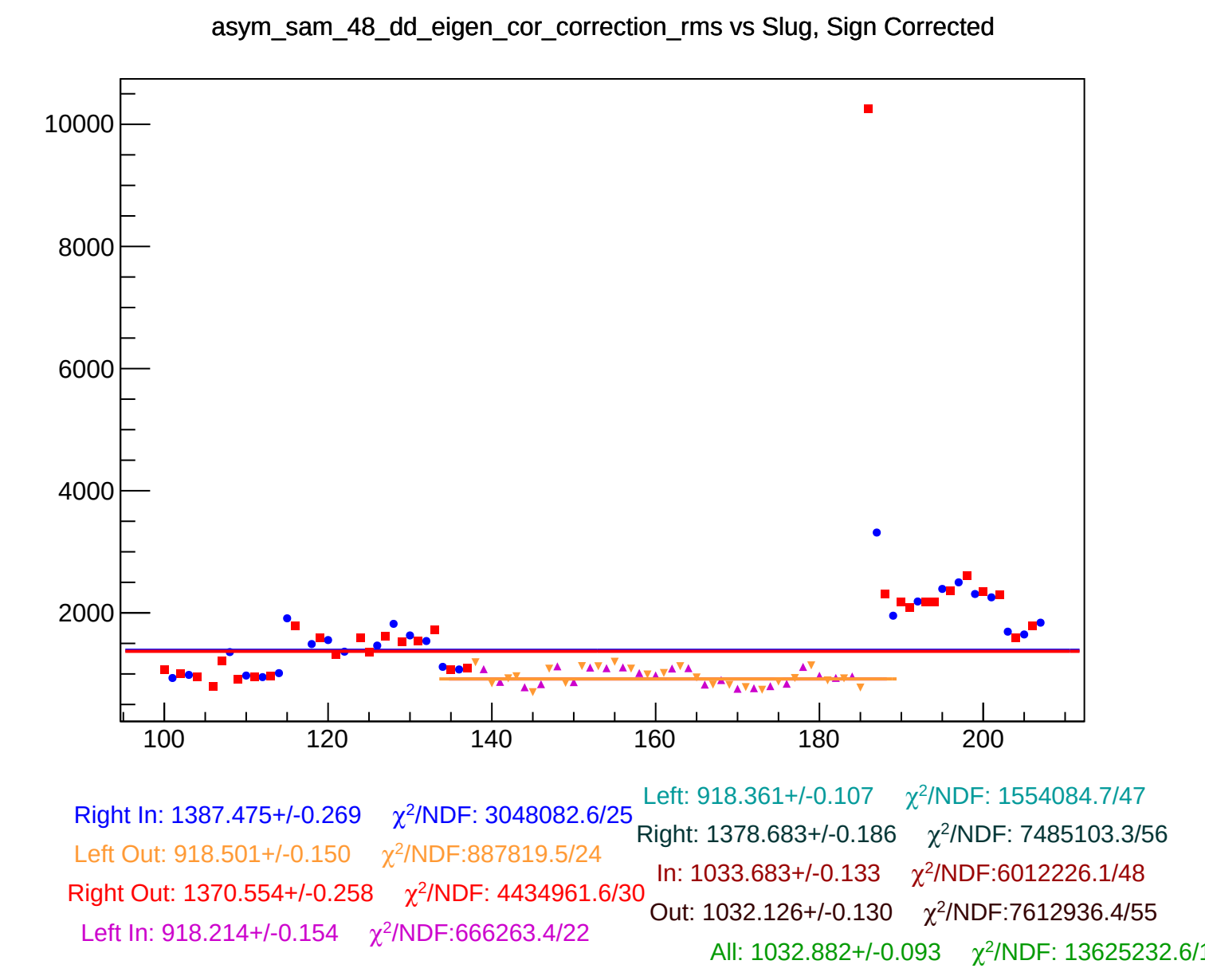
Left: -427.986+/-151.624 χ^2/NDF: 87.0/47

Right: 279.884+/-263.475 χ^2/NDF: 67.1/56

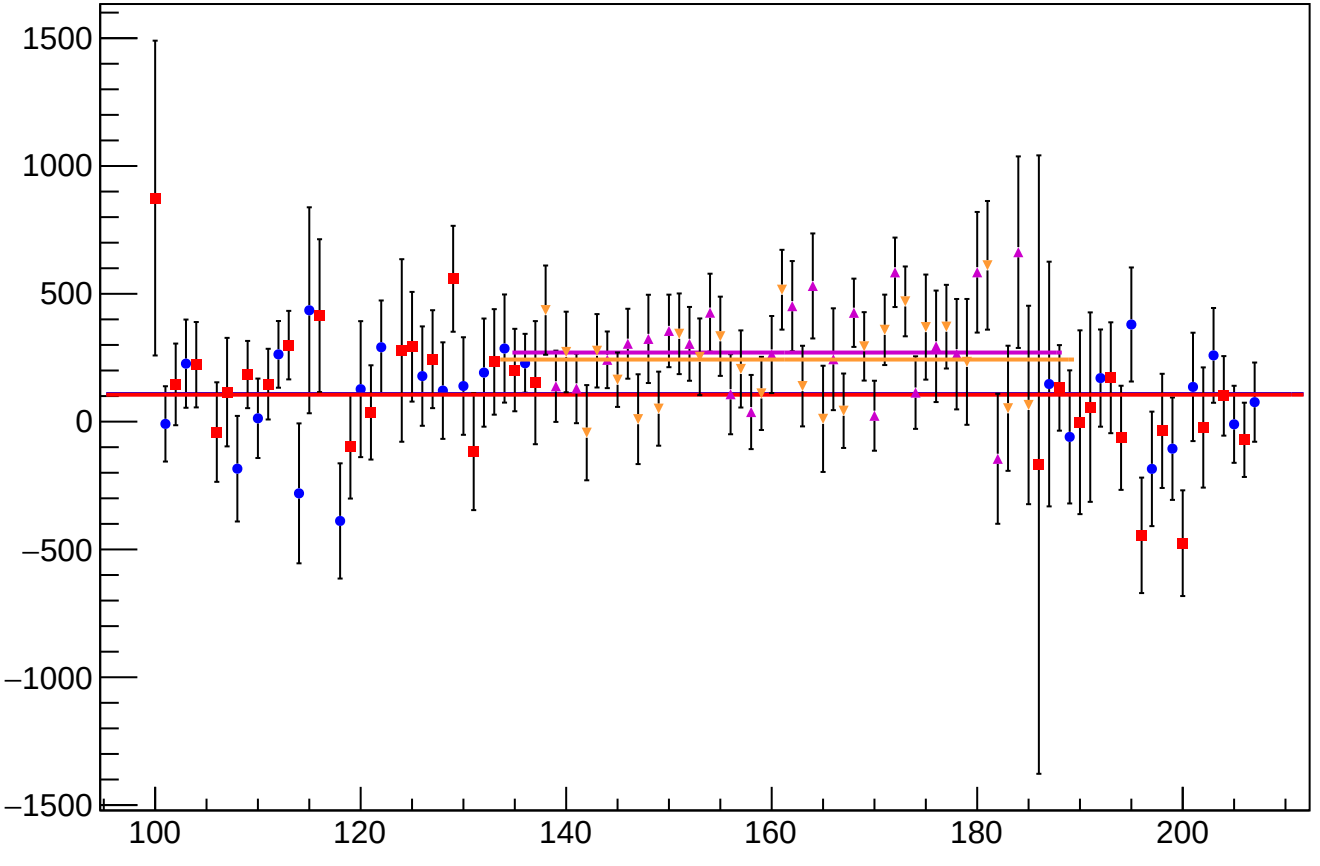
In: -66.584+/-188.564 χ^2/NDF:58.3/48

Out: -426.886+/-183.253 χ^2/NDF:99.4/55

All: -251.880+/-131.417 χ^2/NDF: 159.5/104


asym_sam_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 1387.475+/-0.269 χ²/NDF: 3048082.6/25
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1370.554+/-0.258 χ²/NDF: 4434961.6/30
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
Left: 918.361+/-0.107 χ²/NDF: 1554084.7/47
Right: 1378.683+/-0.186 χ²/NDF: 7485103.3/56
In: 1033.683+/-0.133 χ²/NDF:6012226.1/48
Out: 1032.126+/-0.130 χ²/NDF:7612936.4/55
All: 1032.882+/-0.093 χ²/NDF: 13625232.6/

dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 107.946+/-36.826 χ^2/NDF: 21.8/25

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

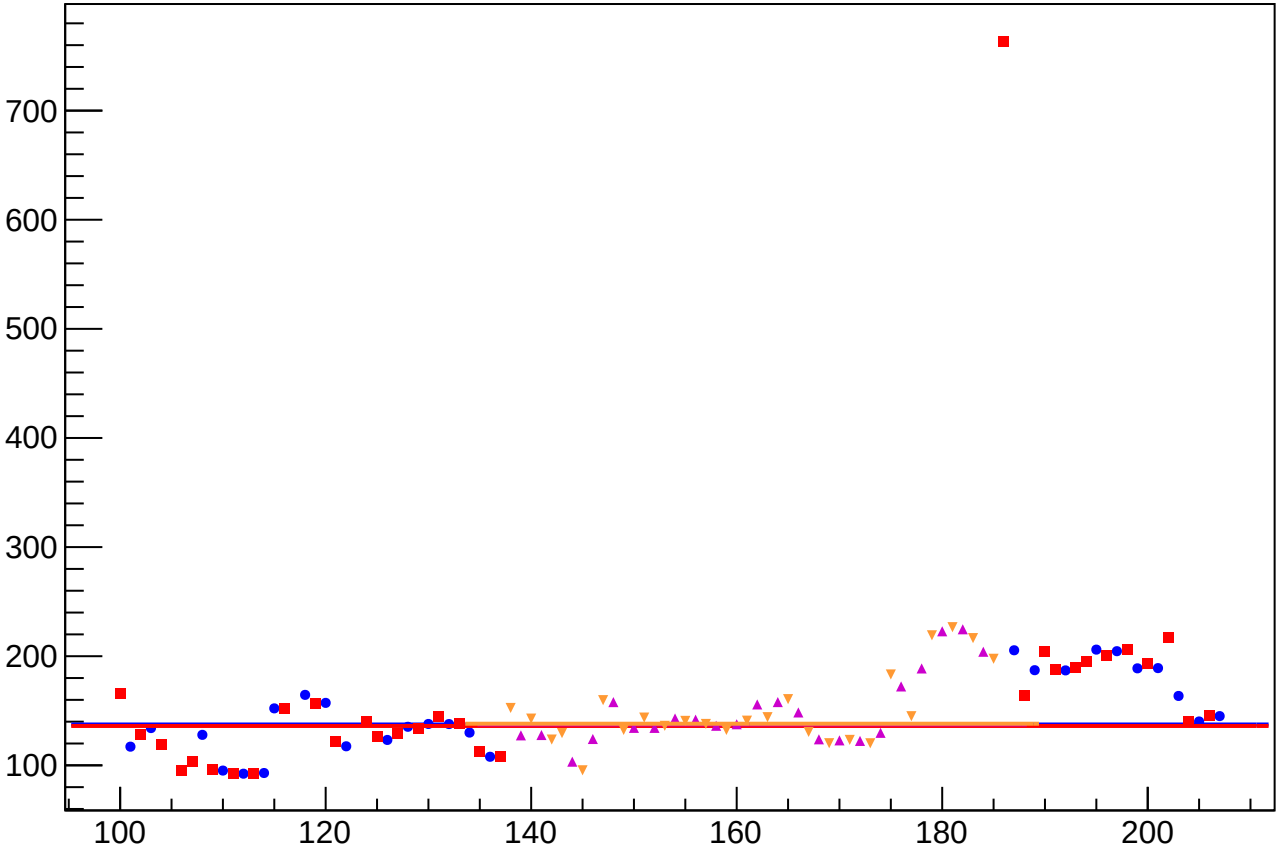
Right: 106.664+/-25.489 χ^2/NDF: 54.2/56

In: 198.220+/-24.532 χ^2/NDF:59.3/48

Out: 180.642+/-23.769 χ^2/NDF:64.4/55

All: 189.154+/-17.071 χ^2/NDF: 123.9/104

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 137.418+/-0.026 χ^2/NDF: 1609375.1/25

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

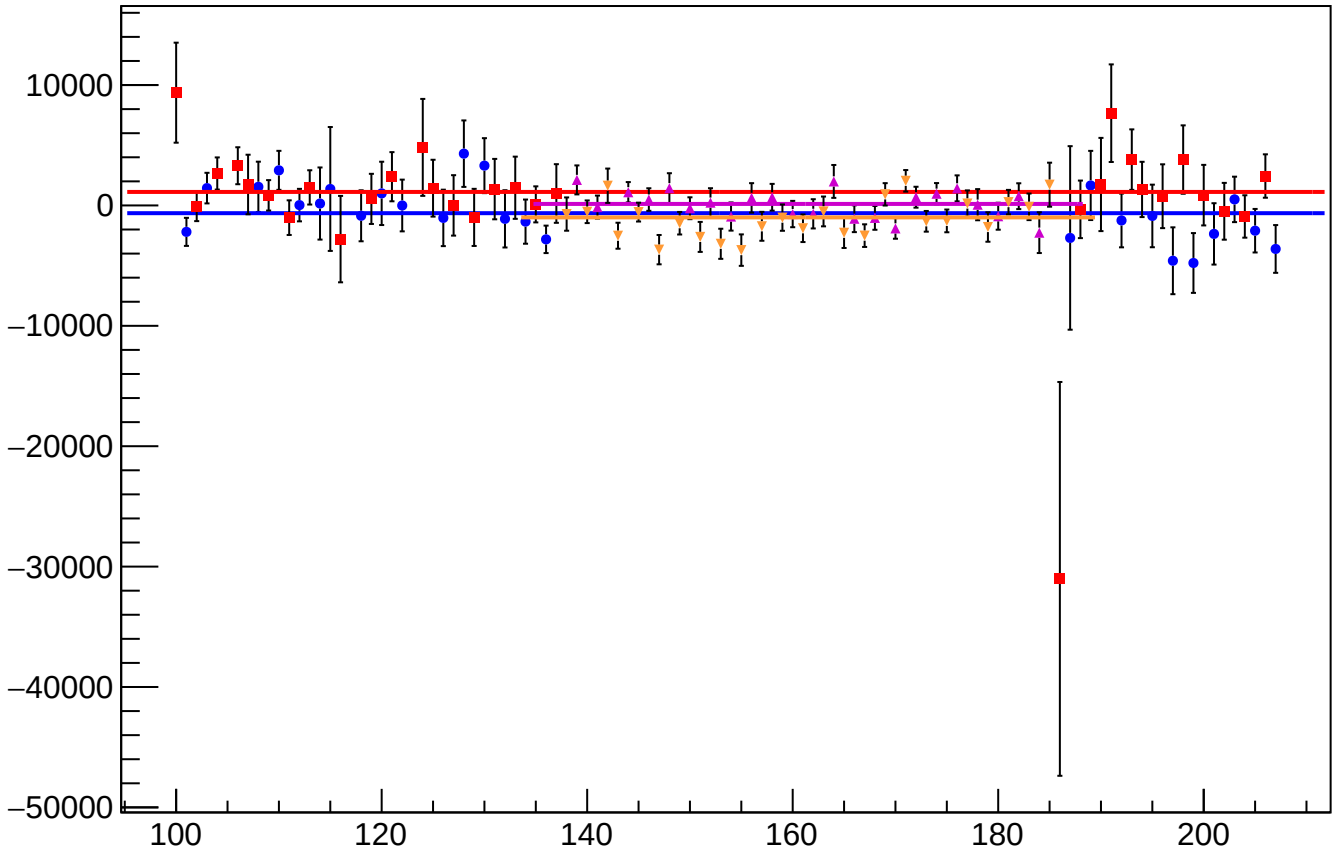
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 136.718+/-0.018 χ^2/NDF: 4239903.3/56

In: 137.459+/-0.017 χ^2/NDF:2718713.1/48

Out: 137.198+/-0.017 χ^2/NDF:3971145.6/55

All: 137.324+/-0.012 χ^2/NDF: 6689975.4/104



Right In: -643.205+/-384.313 χ^2/NDF: 30.7/25

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

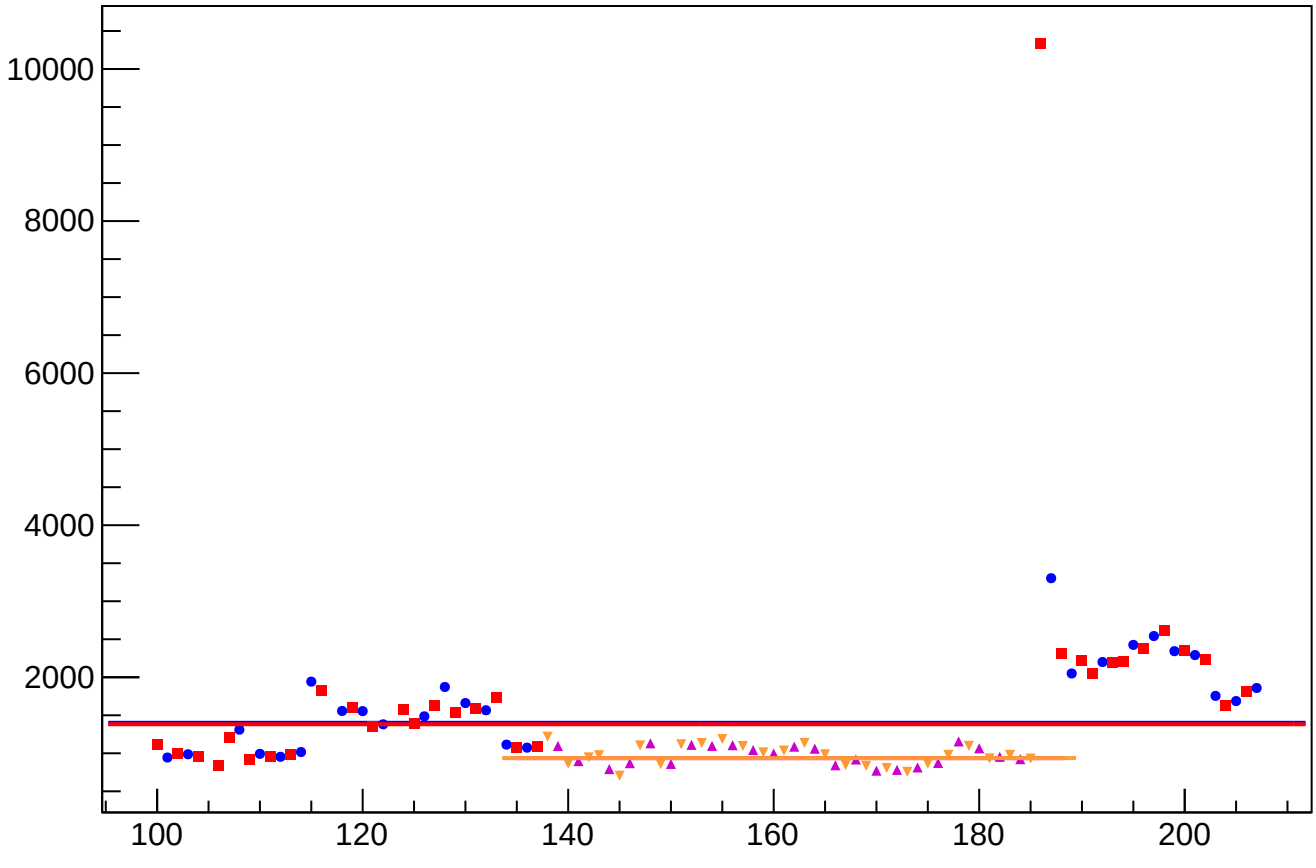
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 278.315+/-265.642 χ^2/NDF: 67.6/56

In: -66.488+/-191.821 χ^2/NDF:57.6/48

Out: -451.794+/-186.006 χ^2/NDF:97.4/55

All: -265.069+/-133.534 χ^2/NDF: 157.0/104



Right In: 1401.057+/-0.272 χ^2/NDF: 3142309.4/25

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

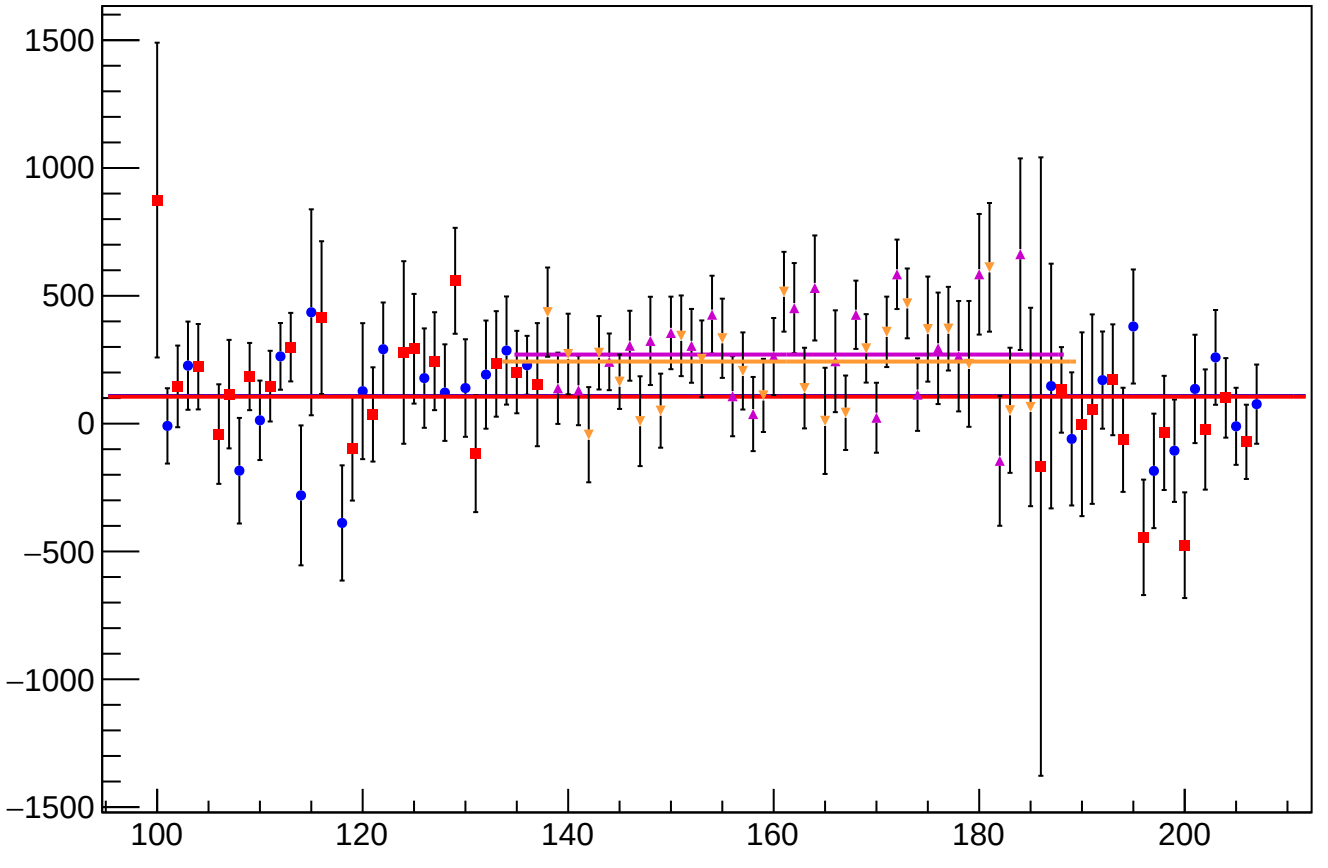
Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

Right: 1391.081+/-0.188 χ^2/NDF: 7549441.0/56

In: 1052.144+/-0.136 χ^2/NDF:5980524.1/48

Out: 1050.738+/-0.132 χ^2/NDF:7419584.3/55

All: 1051.419+/-0.094 χ^2/NDF: 13400163.8/1



Right In: 107.948+/-36.826 χ^2/NDF: 21.8/25

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

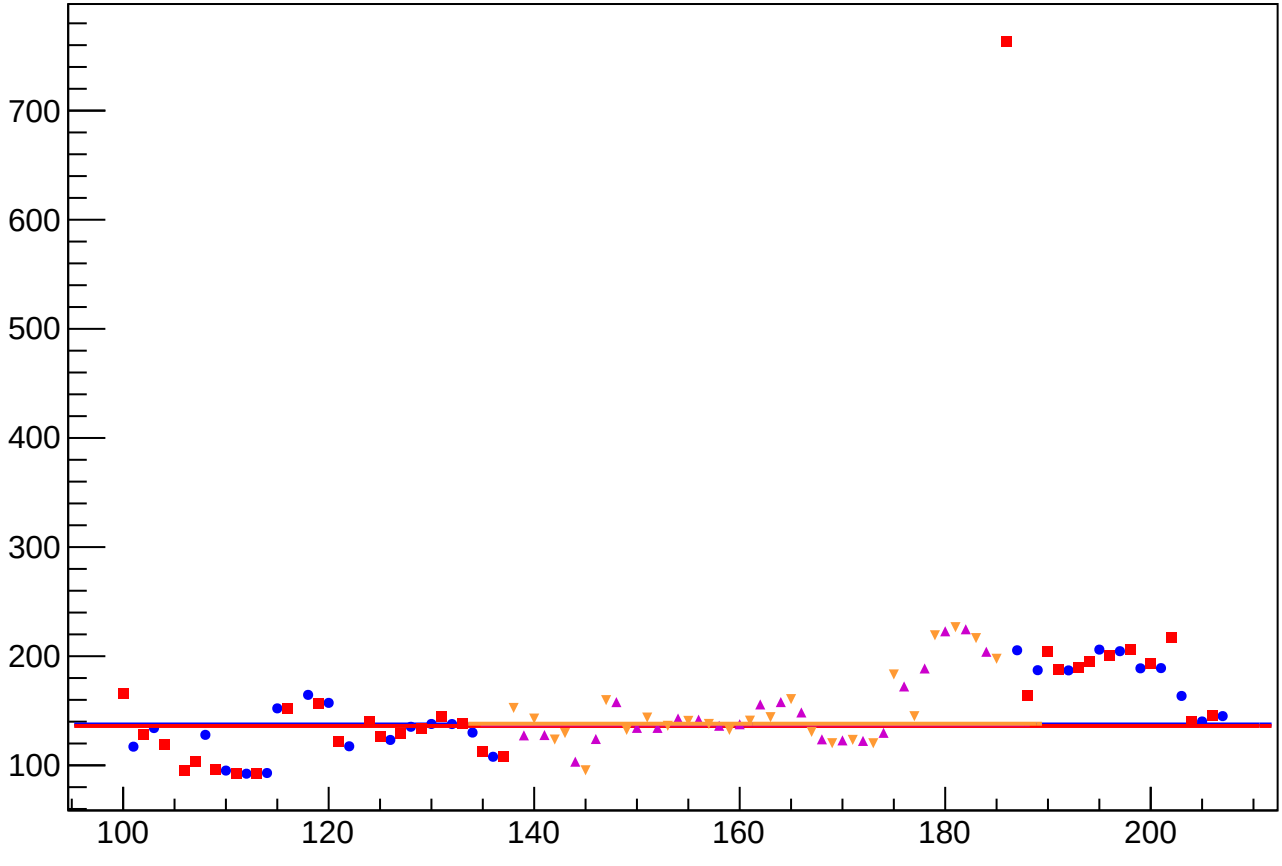
Right: 106.665+/-25.489 χ^2/NDF: 54.2/56

In: 198.221+/-24.532 χ^2/NDF:59.3/48

Out: 180.644+/-23.769 χ^2/NDF:64.4/55

All: 189.155+/-17.071 χ^2/NDF: 123.9/104

eigen_dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 137.418+/-0.026 χ^2/NDF: 1609362.7/25

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

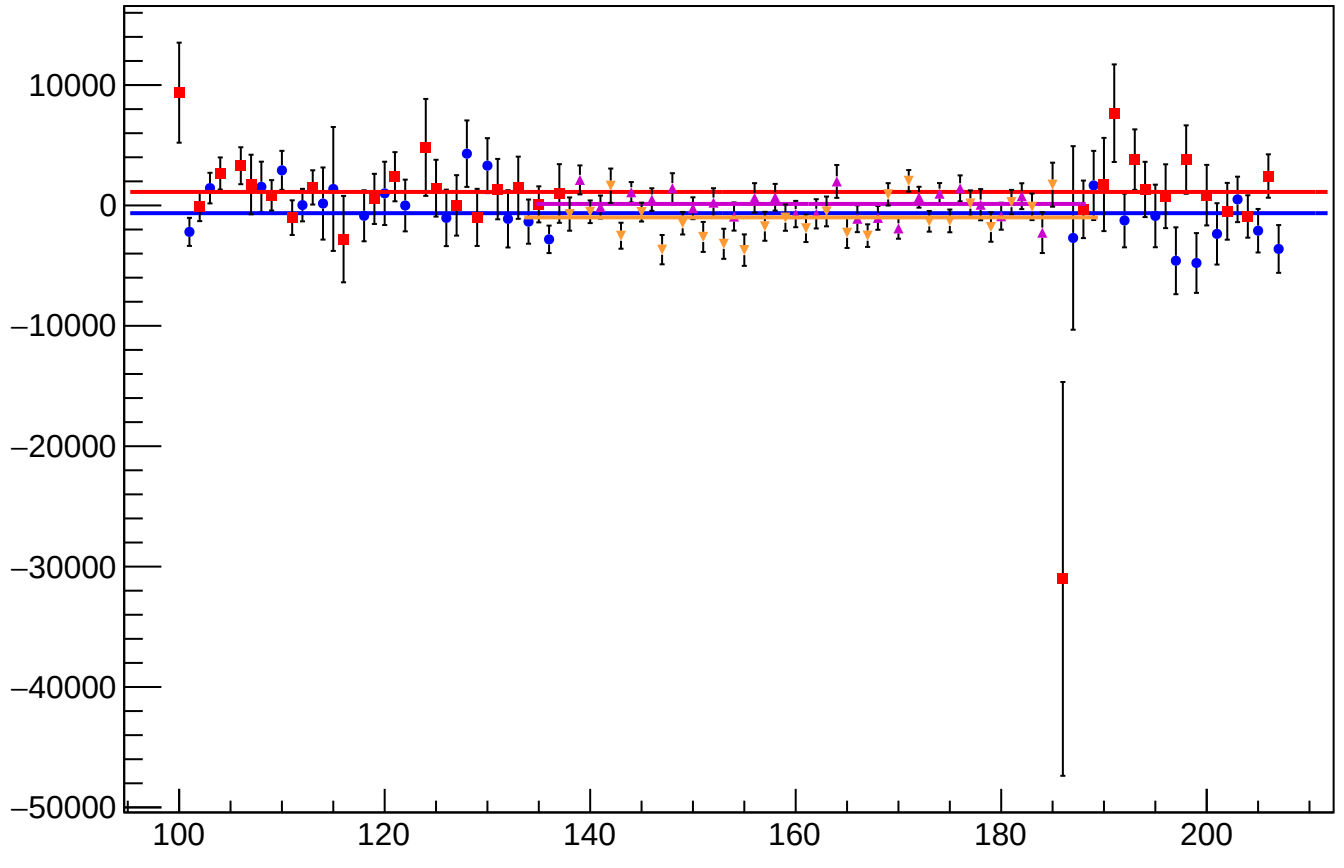
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 136.718+/-0.018 χ^2/NDF: 4239898.1/56

In: 137.459+/-0.017 χ^2/NDF:2718687.0/48

Out: 137.198+/-0.017 χ^2/NDF:3971156.1/55

All: 137.324+/-0.012 χ^2/NDF: 6689959.8/104



Right In: -643.205+/-384.313 χ^2/NDF: 30.7/25

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

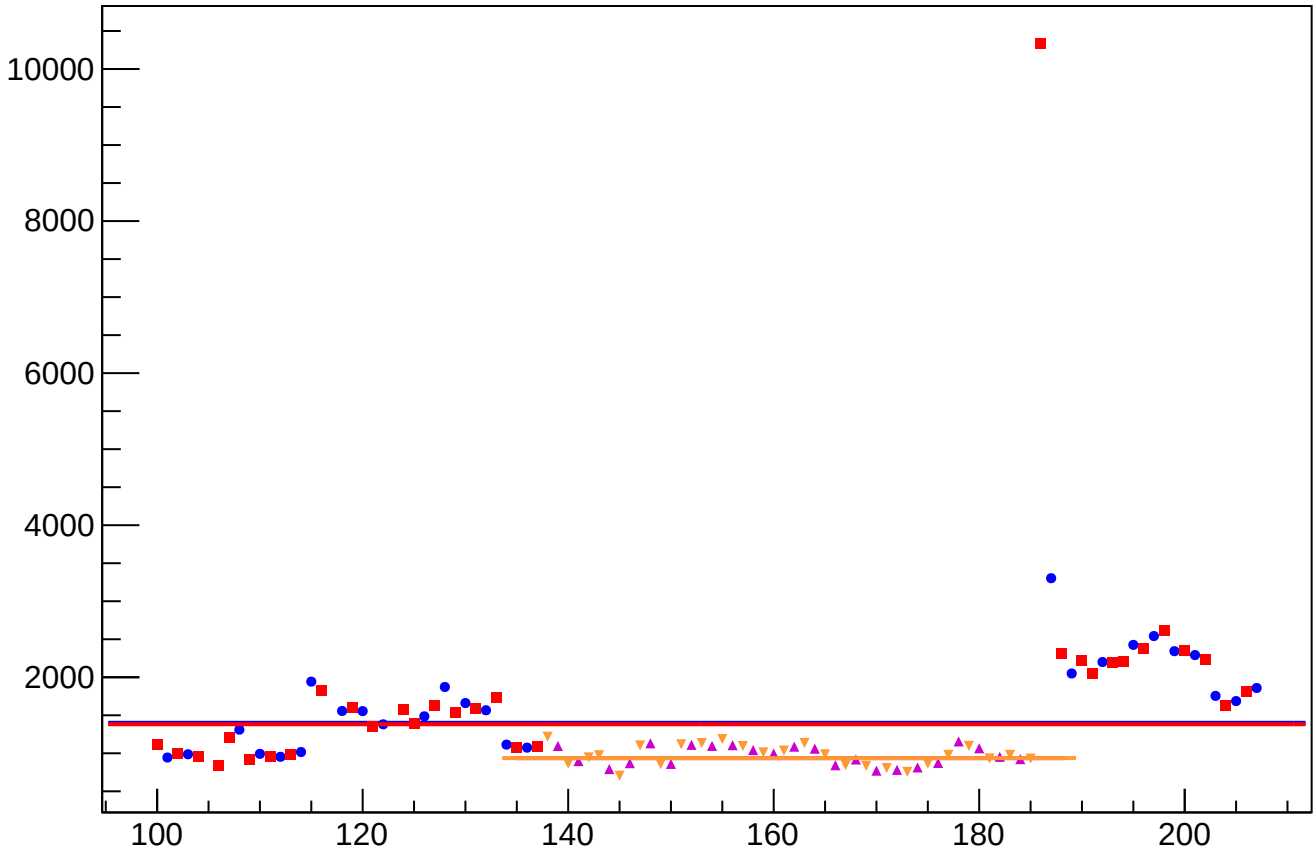
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 278.315+/-265.642 χ^2/NDF: 67.6/56

In: -66.488+/-191.821 χ^2/NDF:57.6/48

Out: -451.793+/-186.006 χ^2/NDF:97.4/55

All: -265.069+/-133.534 χ^2/NDF: 157.0/104



Right In: 1401.056+/-0.272 χ^2/NDF: 3142303.2/25

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

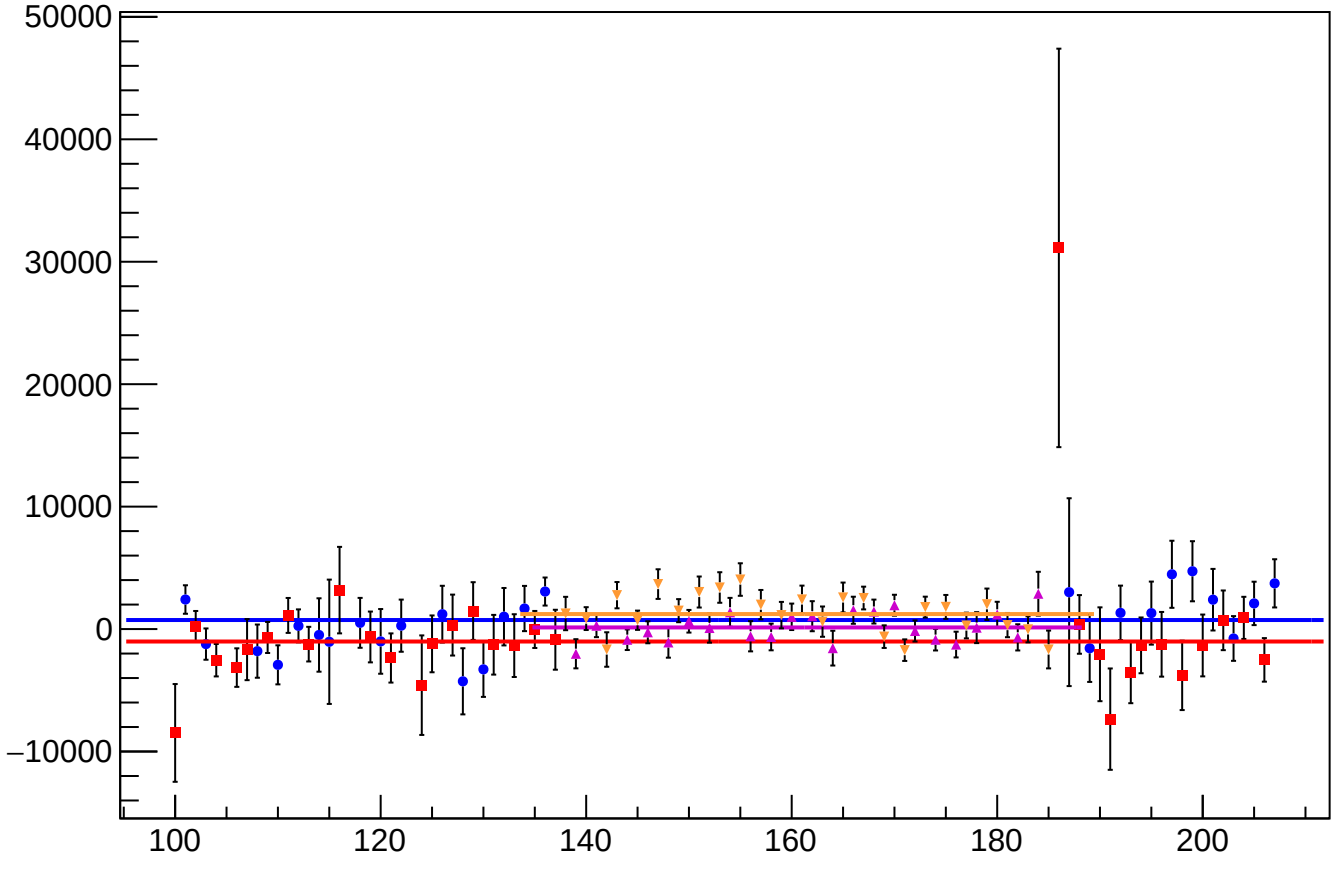
Right: 1391.080+/-0.188 χ^2/NDF: 7549427.4/56

In: 1052.143+/-0.136 χ^2/NDF:5980524.0/48

Out: 1050.737+/-0.132 χ^2/NDF:7419588.2/55

All: 1051.418+/-0.094 χ^2/NDF: 13400167.6/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 738.356+/-381.937 χ^2/NDF: 32.5/25

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

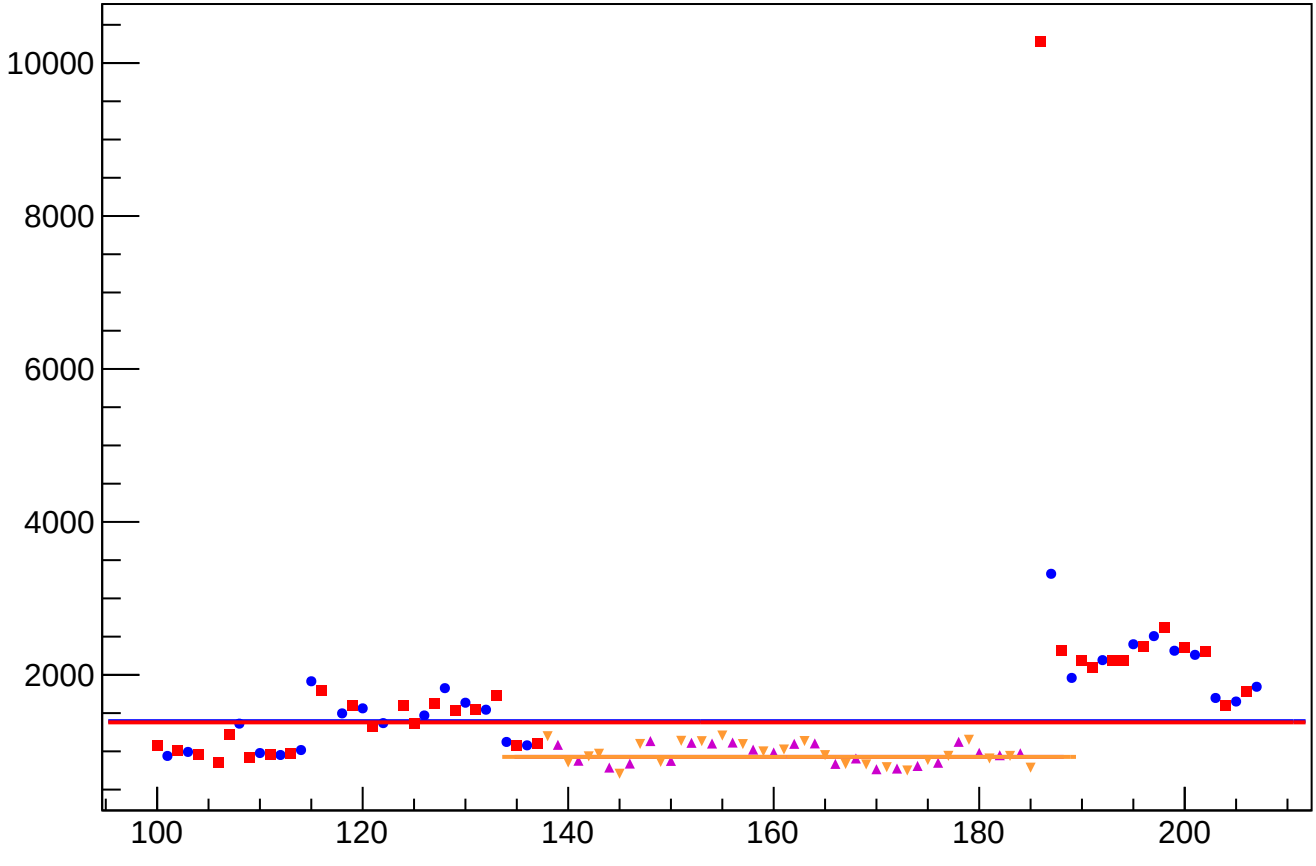
Right: -174.492+/-264.576 χ^2/NDF: 69.2/56

In: 282.944+/-190.166 χ^2/NDF:60.2/48

Out: 656.876+/-184.747 χ^2/NDF:102.1/55

All: 475.313+/-132.510 χ^2/NDF: 164.3/104

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1394.657+/-0.270 χ^2/NDF: 3025861.5/25

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

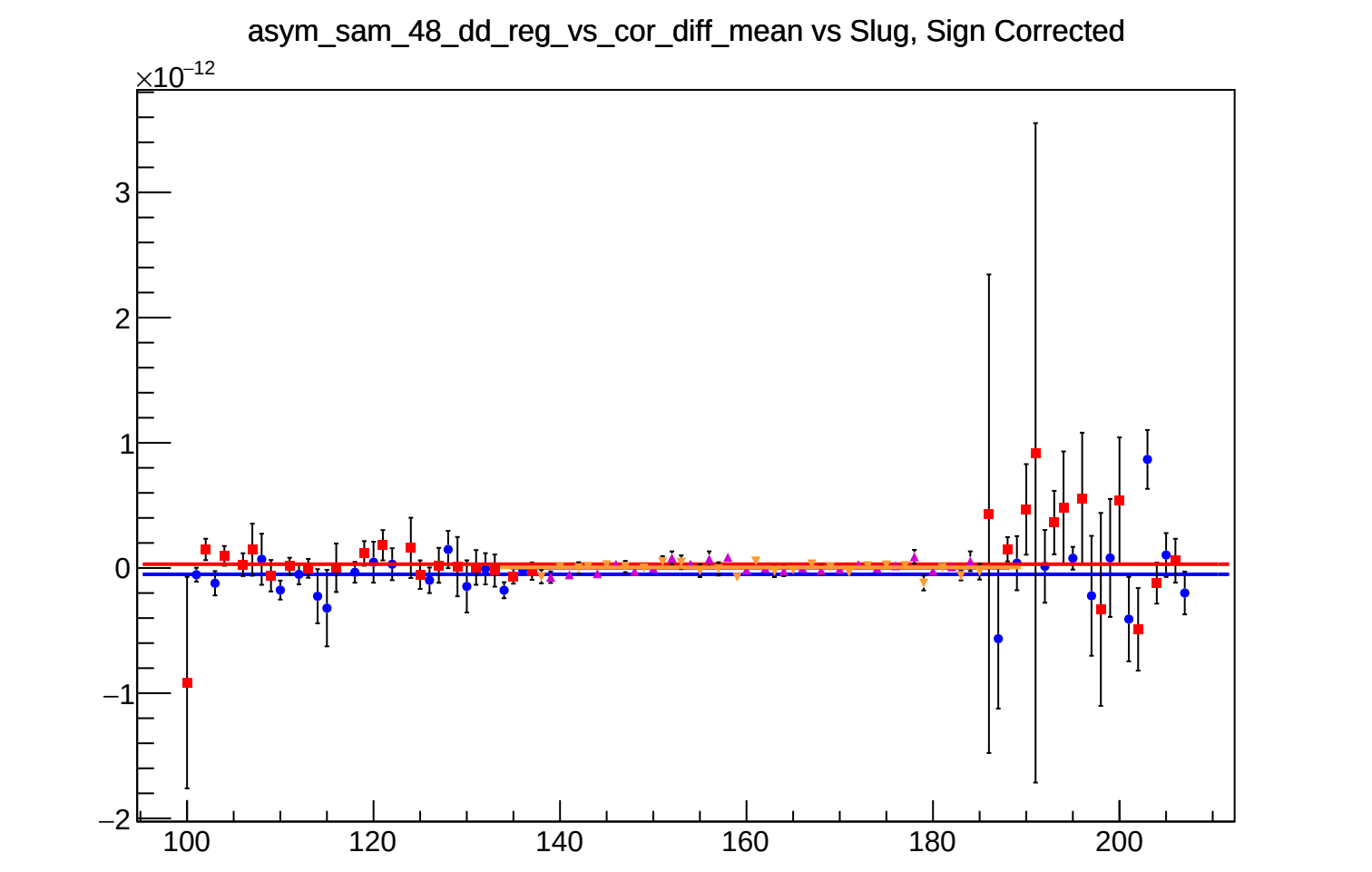
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1386.563+/-0.187 χ^2/NDF: 7403903.1/56

In: 1043.175+/-0.134 χ^2/NDF:5934460.9/48

Out: 1042.112+/-0.131 χ^2/NDF:7512436.0/55

All: 1042.628+/-0.094 χ^2/NDF: 13446929.1/



Right In: -0.000+/-0.000 χ^2/NDF: 34.1/25

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

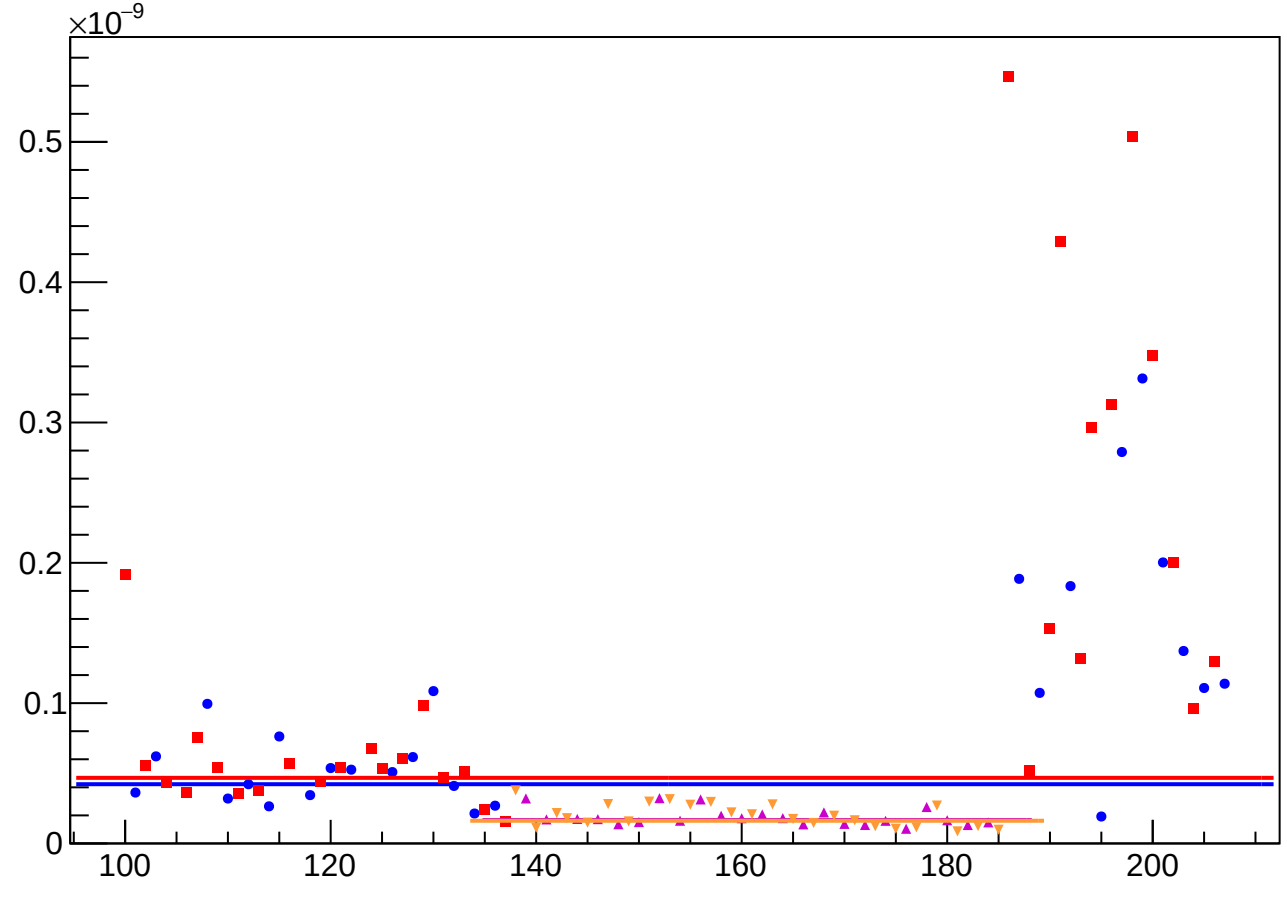
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 64.5/56

In: -0.000+/-0.000 χ^2/NDF:67.4/48

Out: 0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 118.7/104



Right In: 0.000+/-0.000 χ^2/NDF: 4695661.4/25

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

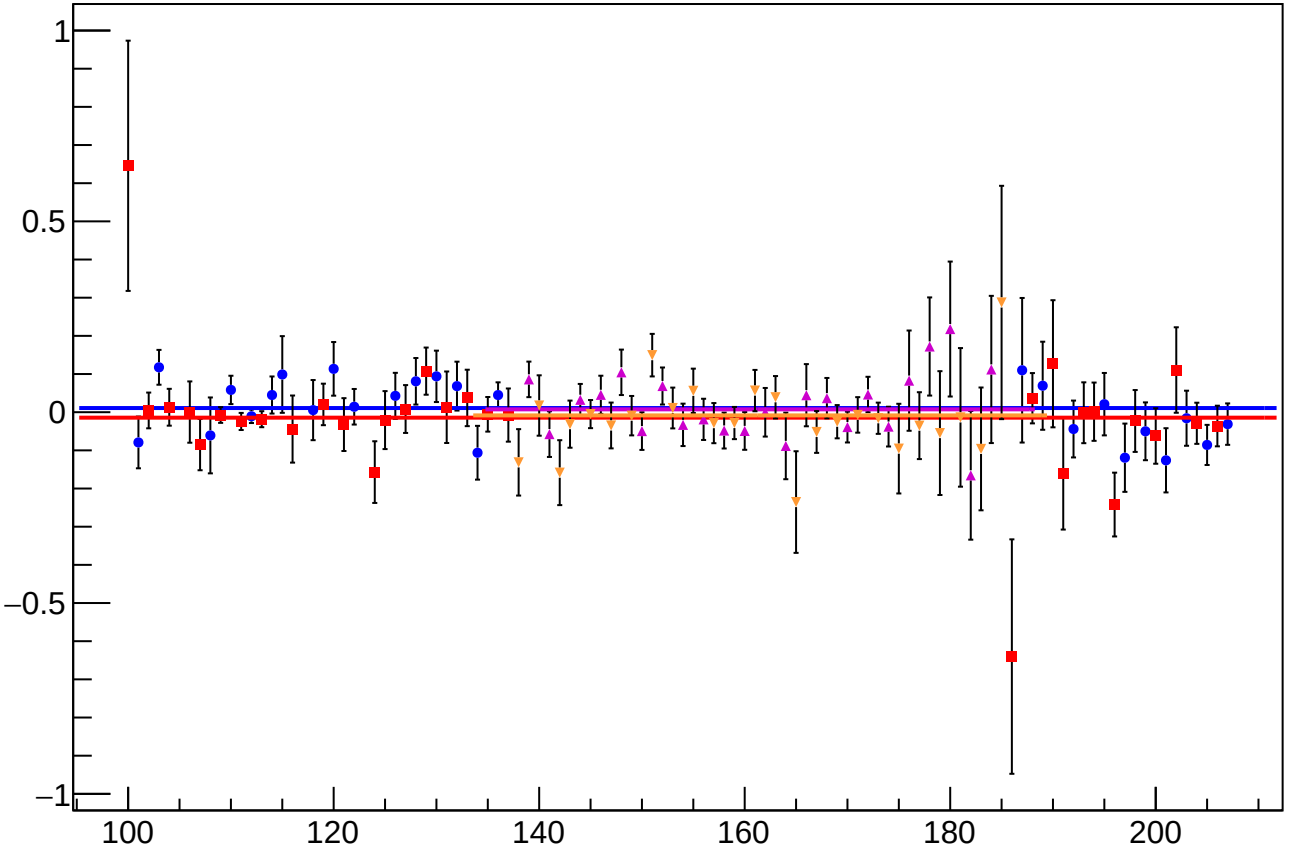
Right: 0.000+/-0.000 χ^2/NDF: 10017993.9/56

In: 0.000+/-0.000 χ^2/NDF:8400102.3/48

Out: 0.000+/-0.000 χ^2/NDF:10892361.4/55

All: 0.000+/-0.000 χ^2/NDF: 19300561.6/104

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 32.6/25

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

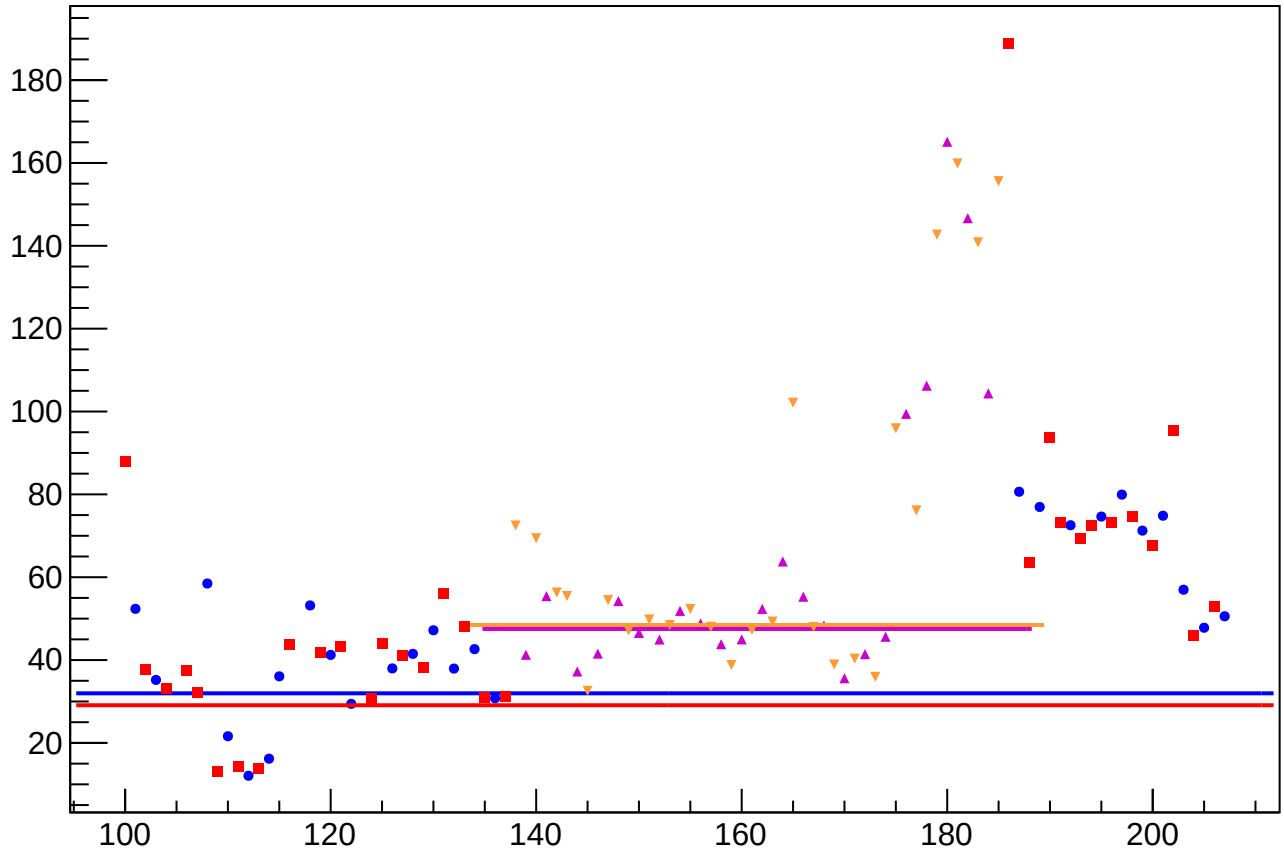
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.003+/-0.007 χ^2/NDF: 66.4/56

In: 0.009+/-0.008 χ^2/NDF:55.9/48

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.002+/-0.005 χ^2/NDF: 113.8/104



Right In: 31.972+/-0.007 χ^2/NDF: 7507884.4/25

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

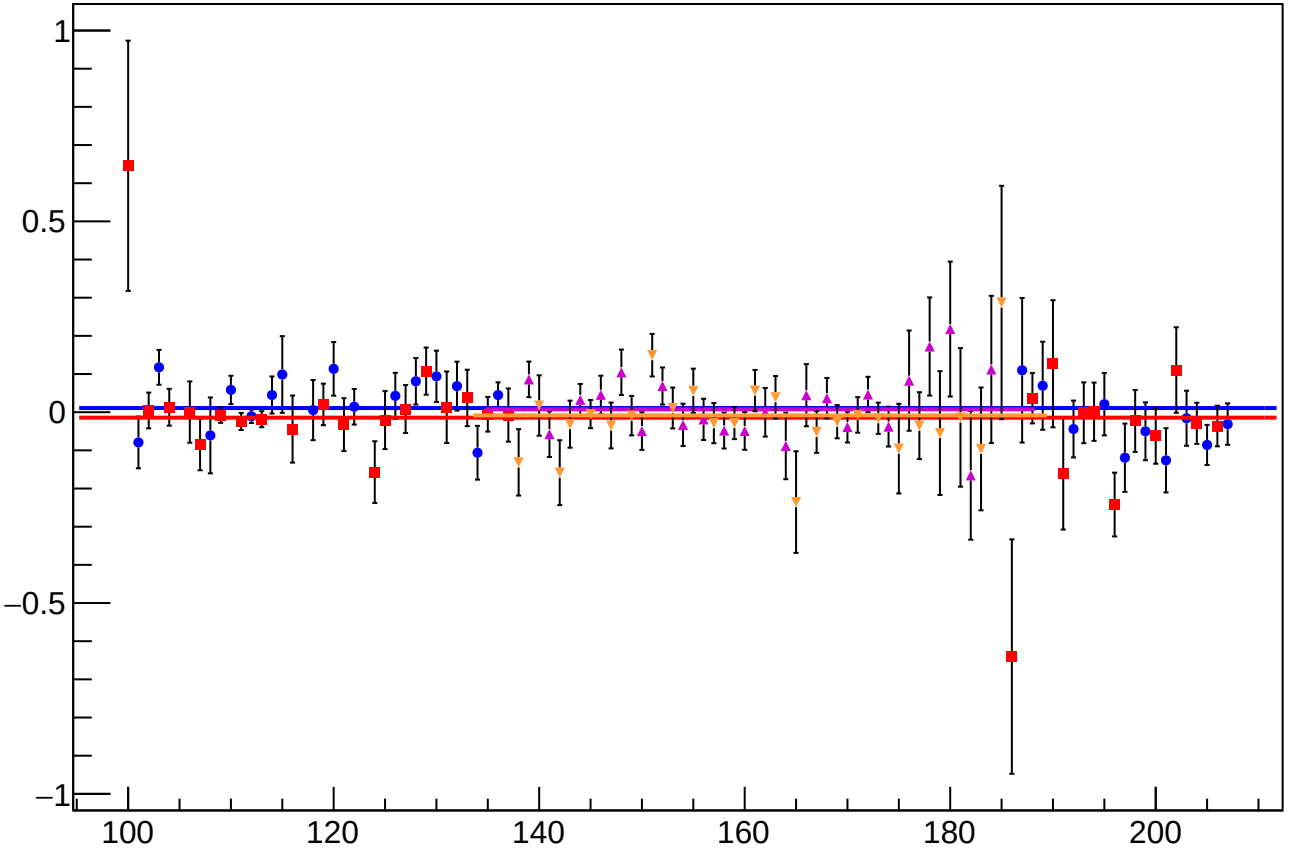
Right: 30.378+/-0.005 χ^2/NDF: 17402014.9/56

In: 38.345+/-0.005 χ^2/NDF:12548716.9/48

Out: 36.072+/-0.005 χ^2/NDF:17509802.5/55

All: 37.132+/-0.004 χ^2/NDF: 30151290.3/104

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 32.6/25

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

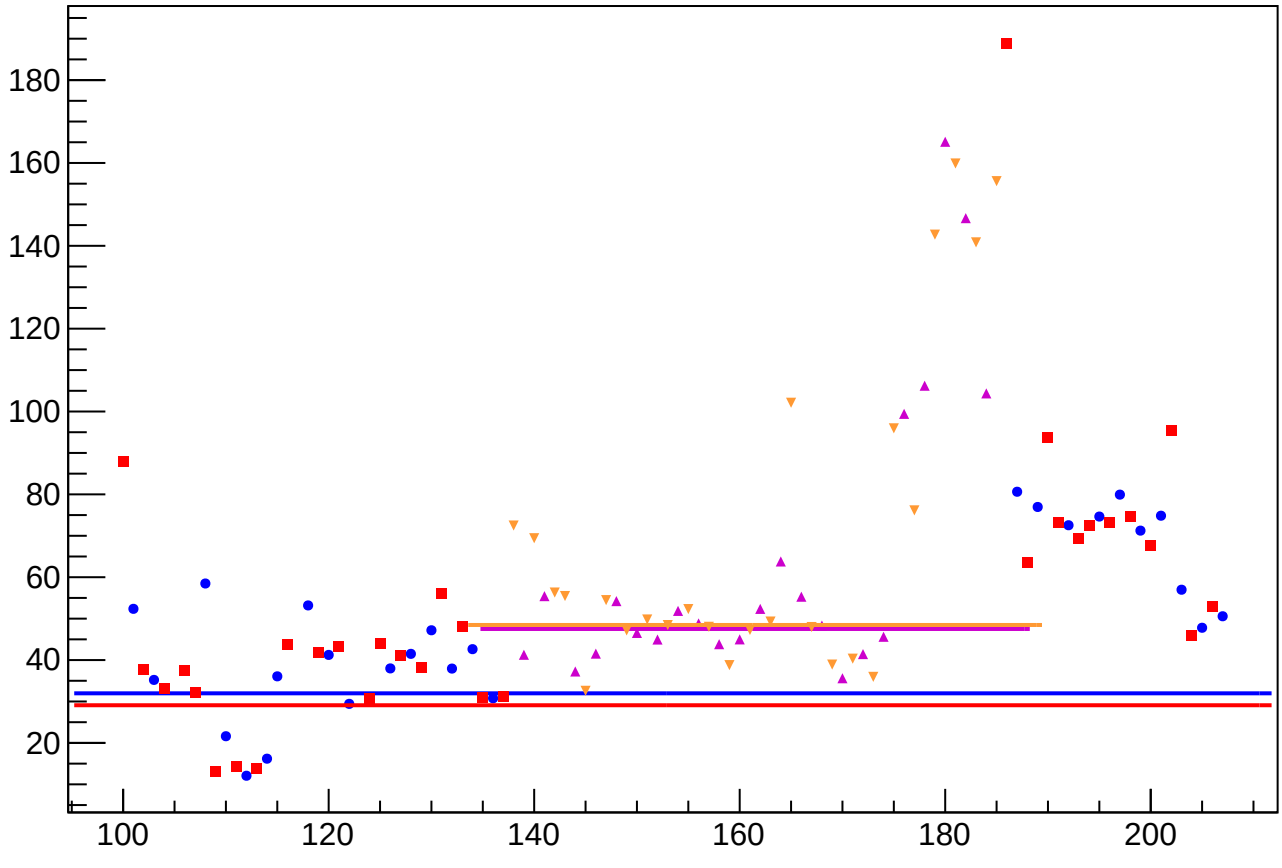
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.003+/-0.007 χ^2/NDF: 66.4/56

In: 0.009+/-0.008 χ^2/NDF:55.9/48

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.002+/-0.005 χ^2/NDF: 113.8/104



Right In: 31.972+/-0.007 χ^2/NDF: 7507884.4/25

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

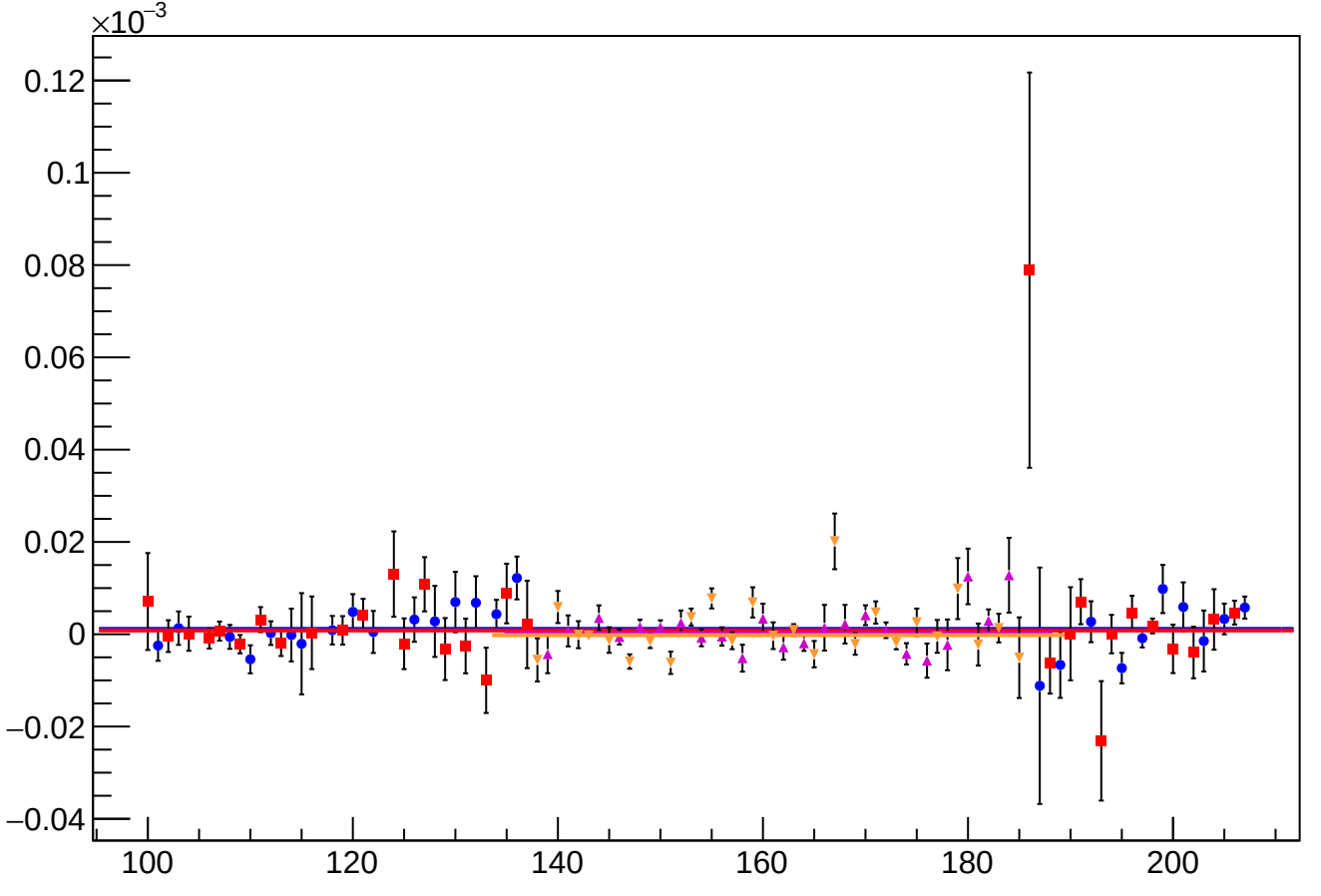
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 30.378+/-0.005 χ^2/NDF: 17402014.9/56

In: 38.345+/-0.005 χ^2/NDF:12548716.9/48

Out: 36.072+/-0.005 χ^2/NDF:17509802.5/55

All: 37.132+/-0.004 χ^2/NDF: 30151290.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/25

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

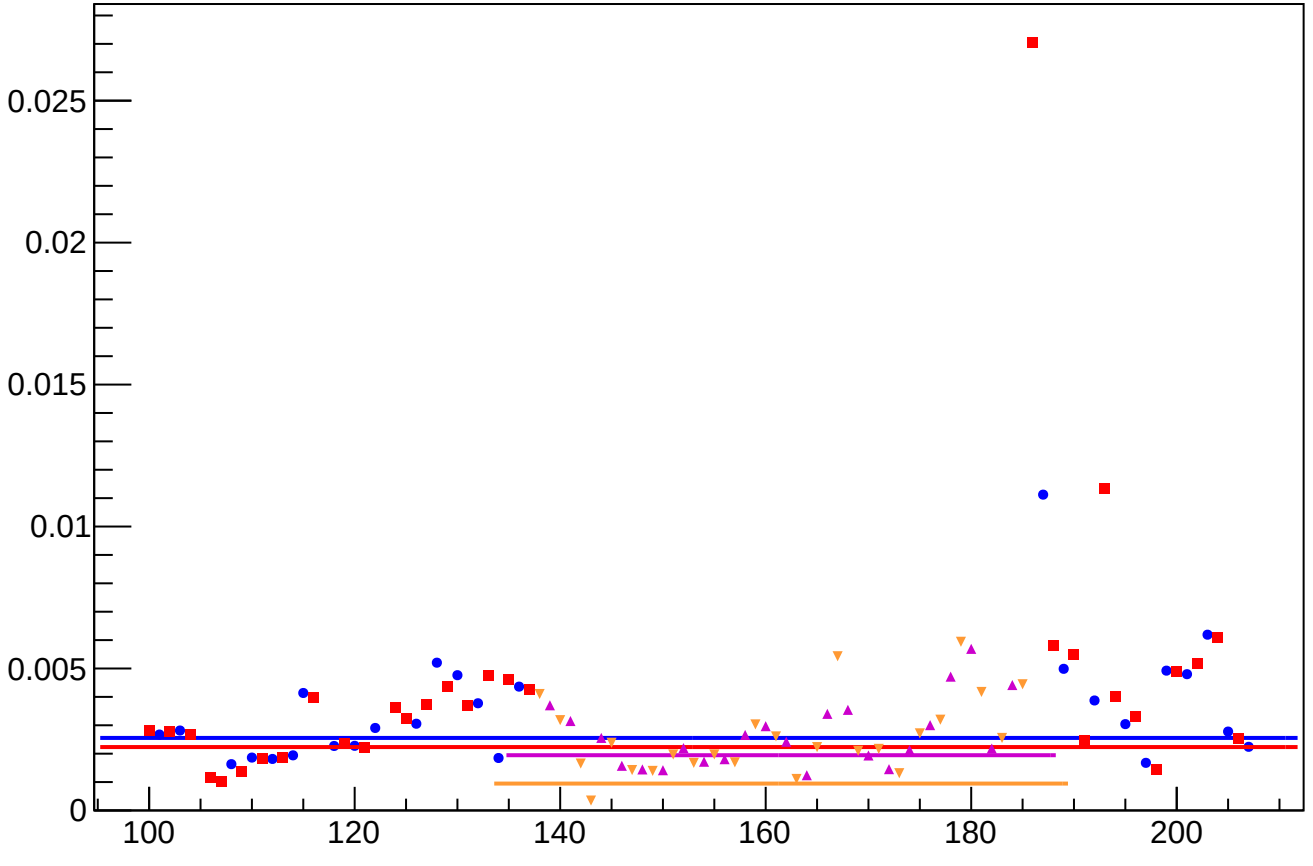
Right: 0.000+/-0.000 χ^2/NDF: 63.6/56

In: 0.000+/-0.000 χ^2/NDF:65.1/48

Out: -0.000+/-0.000 χ^2/NDF:104.0/55

All: 0.000+/-0.000 χ^2/NDF: 170.4/104

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4102608.9/25

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

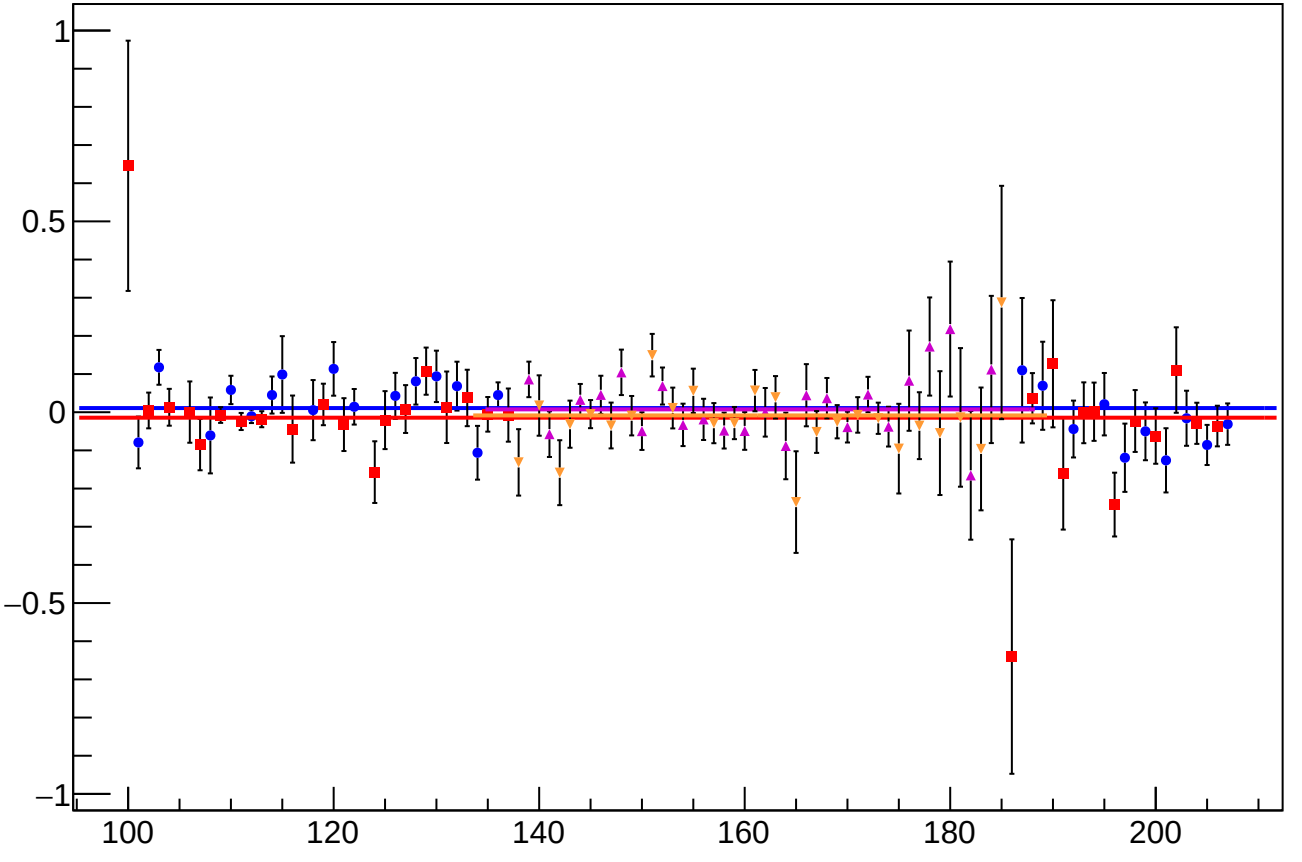
Right: 0.002+/-0.000 χ^2/NDF: 12565672.8/56

In: 0.002+/-0.000 χ^2/NDF:9414798.3/48

Out: 0.001+/-0.000 χ^2/NDF:32257787.2/55

All: 0.001+/-0.000 χ^2/NDF: 49330301.9/104

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 32.6/25

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

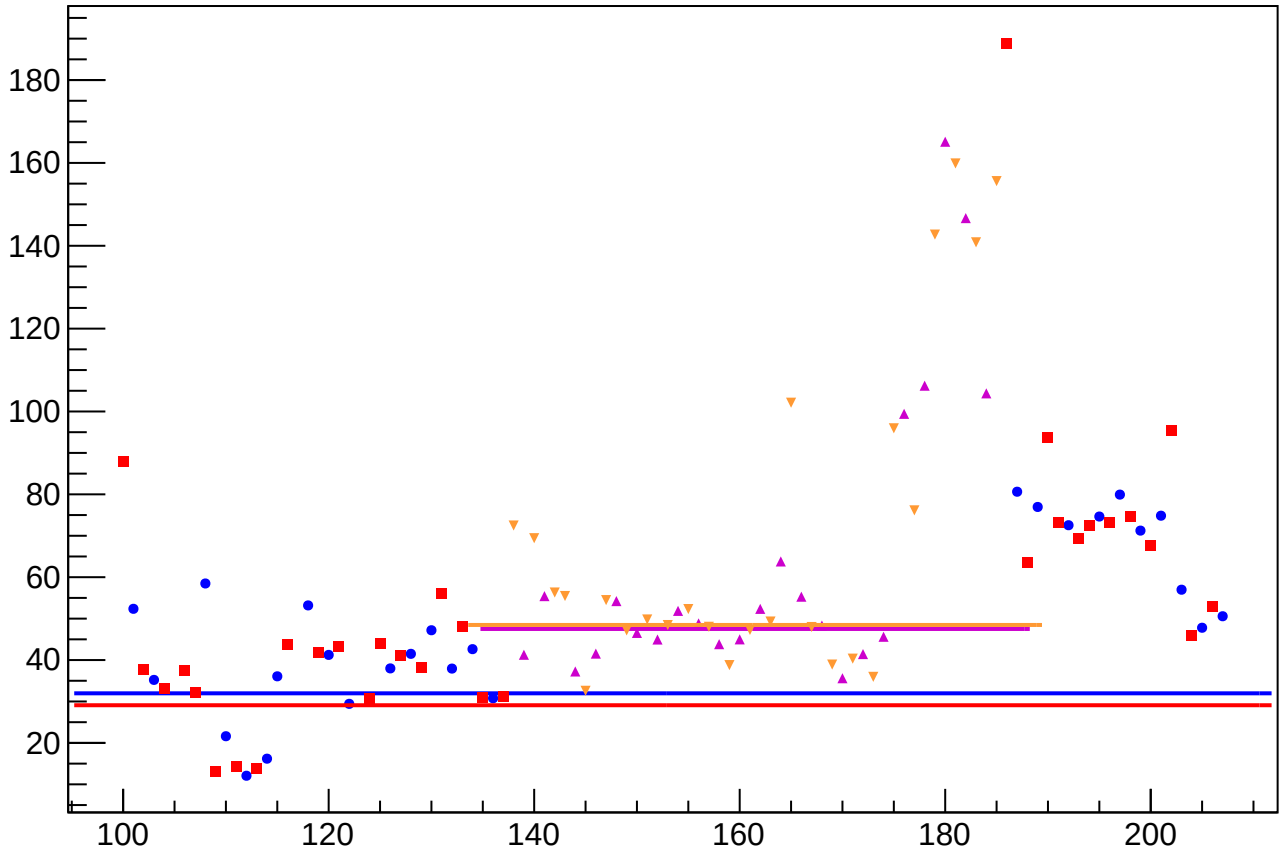
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.003+/-0.007 χ^2/NDF: 66.4/56

In: 0.009+/-0.008 χ^2/NDF:55.9/48

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.002+/-0.005 χ^2/NDF: 113.8/104



Right In: 31.971+/-0.007 χ^2/NDF: 7508581.2/25

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

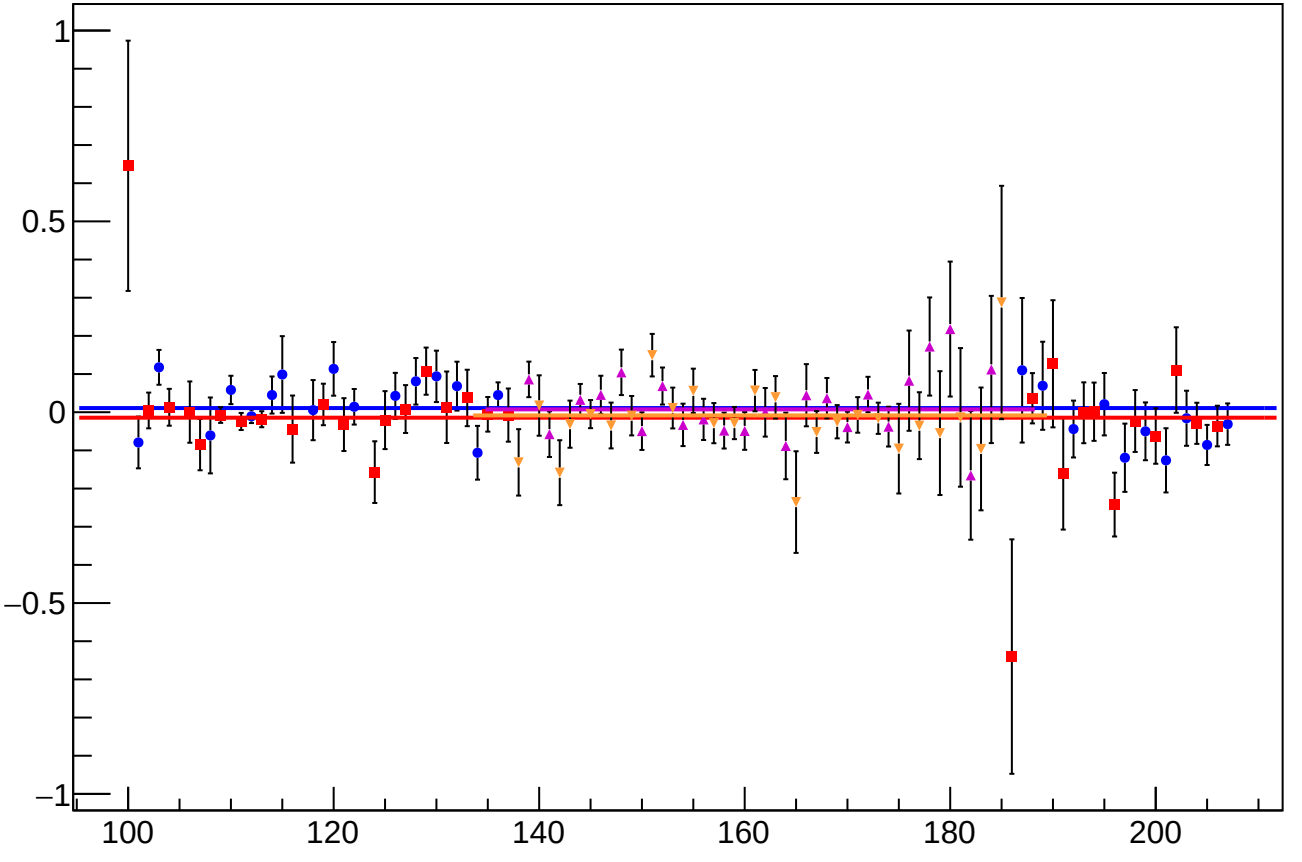
Right: 30.377+/-0.005 χ^2/NDF: 17402916.6/56

In: 38.344+/-0.005 χ^2/NDF:12549823.2/48

Out: 36.072+/-0.005 χ^2/NDF:17510239.4/55

All: 37.132+/-0.004 χ^2/NDF: 30152775.4/104

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.011+/-0.010 χ^2/NDF: 32.6/25

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

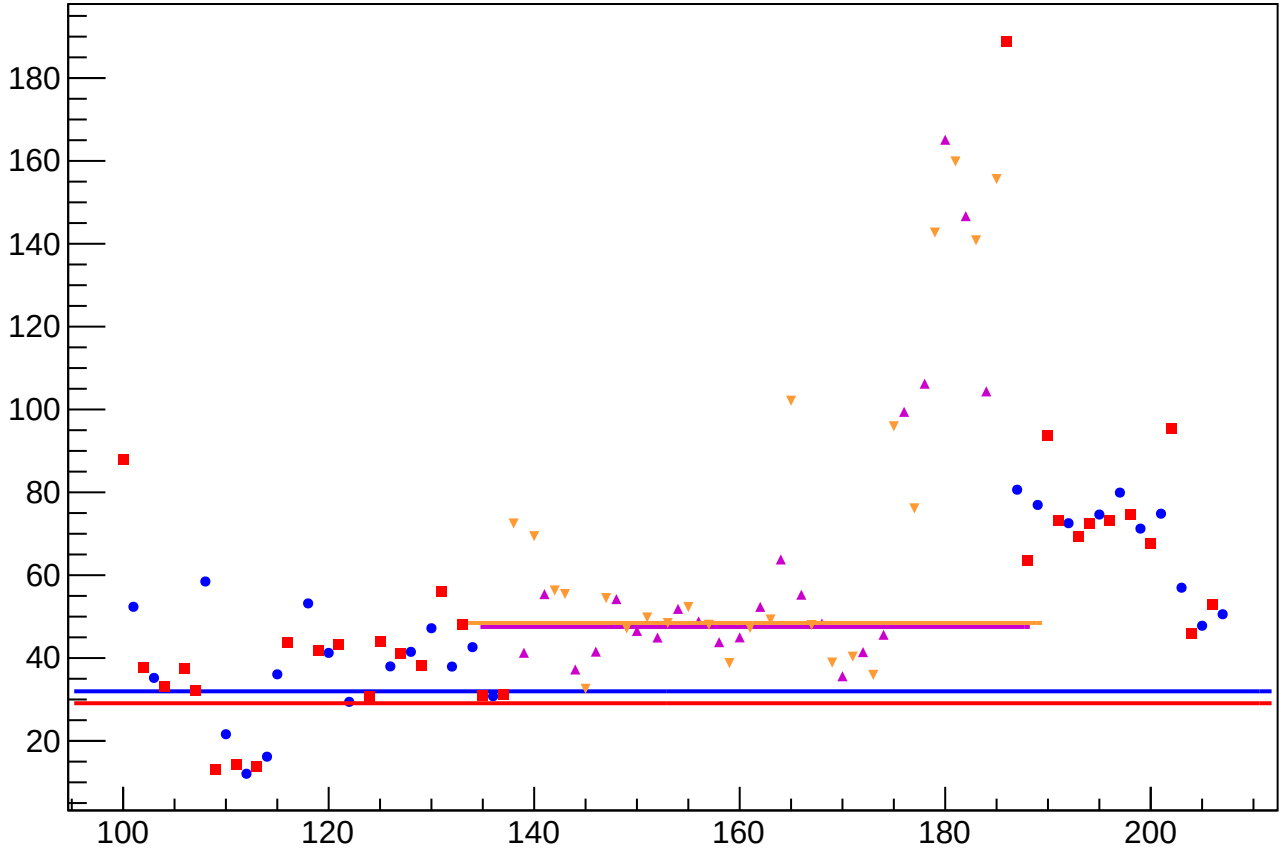
Right: -0.003+/-0.007 χ^2/NDF: 66.4/56

In: 0.009+/-0.008 χ^2/NDF:55.9/48

Out: -0.012+/-0.007 χ^2/NDF:53.6/55

All: -0.002+/-0.005 χ^2/NDF: 113.8/104

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.971+/-0.007 χ^2/NDF: 7508581.2/25

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

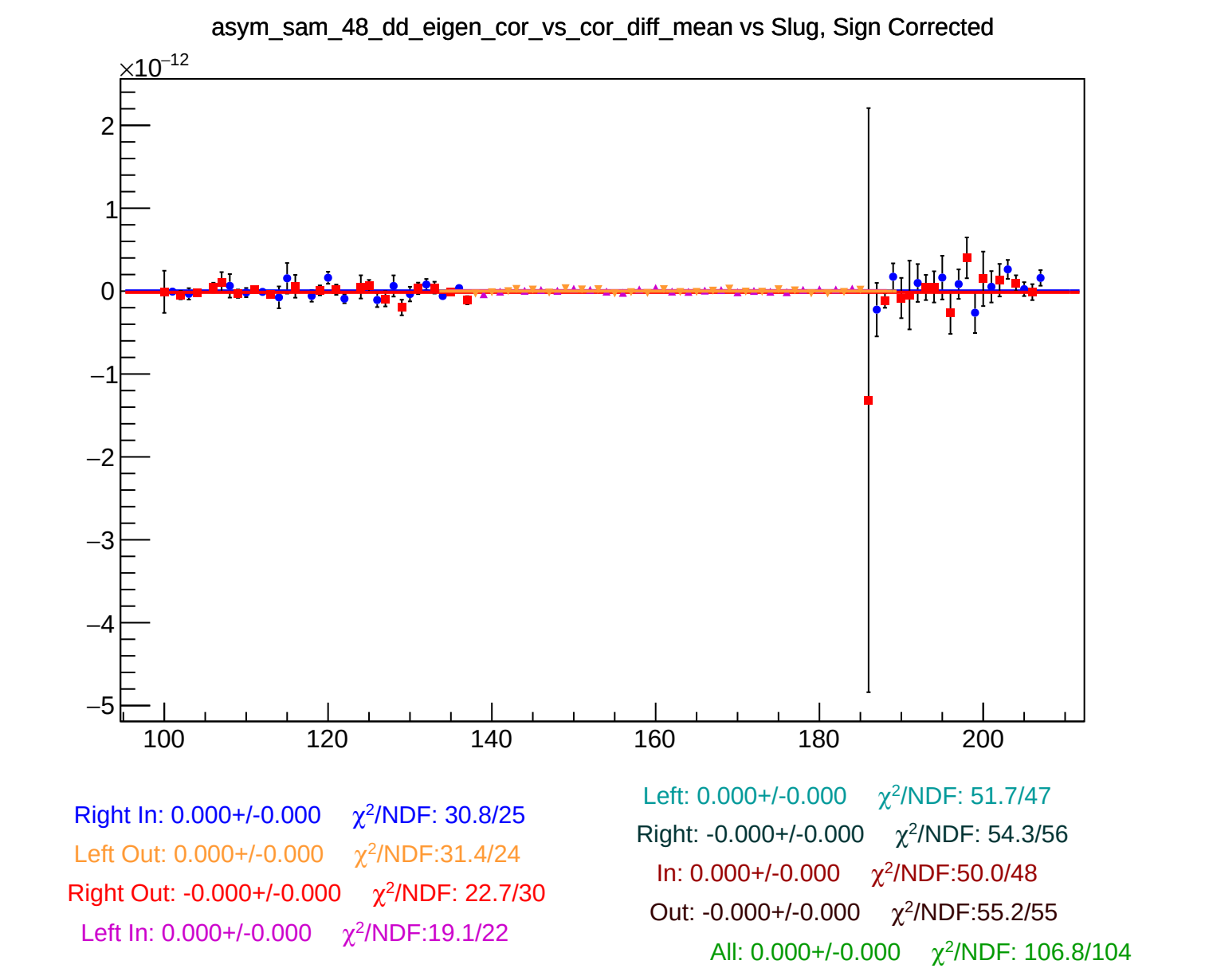
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 30.377+/-0.005 χ^2/NDF: 17402916.6/56

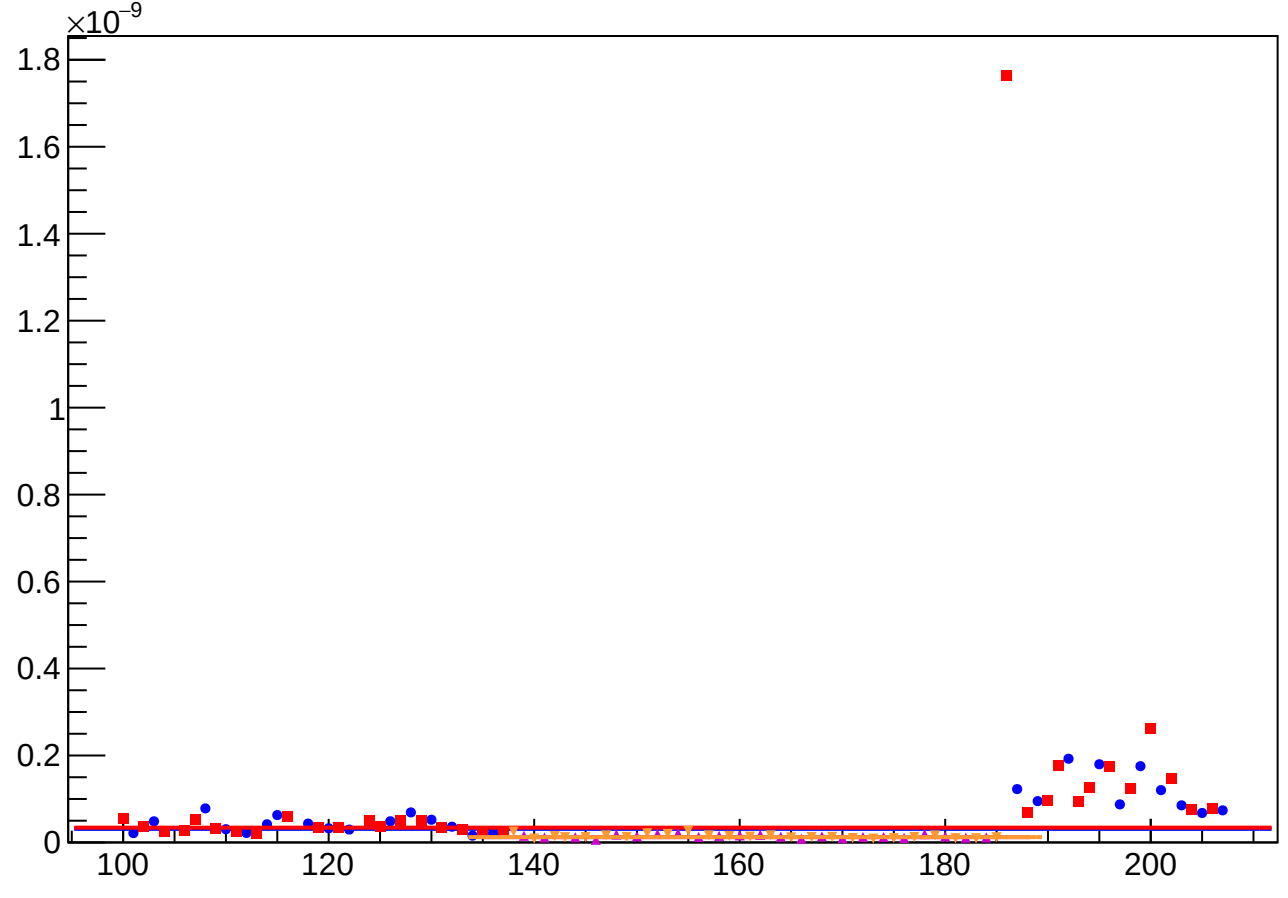
In: 38.344+/-0.005 χ^2/NDF:12549823.2/48

Out: 36.072+/-0.005 χ^2/NDF:17510239.4/55

All: 37.132+/-0.004 χ^2/NDF: 30152775.4/104


asym_sam_48_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: 30.8/25
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.7/30
Left In: 0.000+/-0.000 χ²/NDF:19.1/22
Left: 0.000+/-0.000 χ²/NDF: 51.7/47
Right: -0.000+/-0.000 χ²/NDF: 54.3/56
In: 0.000+/-0.000 χ²/NDF:50.0/48
Out: -0.000+/-0.000 χ²/NDF:55.2/55
All: 0.000+/-0.000 χ²/NDF: 106.8/104

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6649637.9/25

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

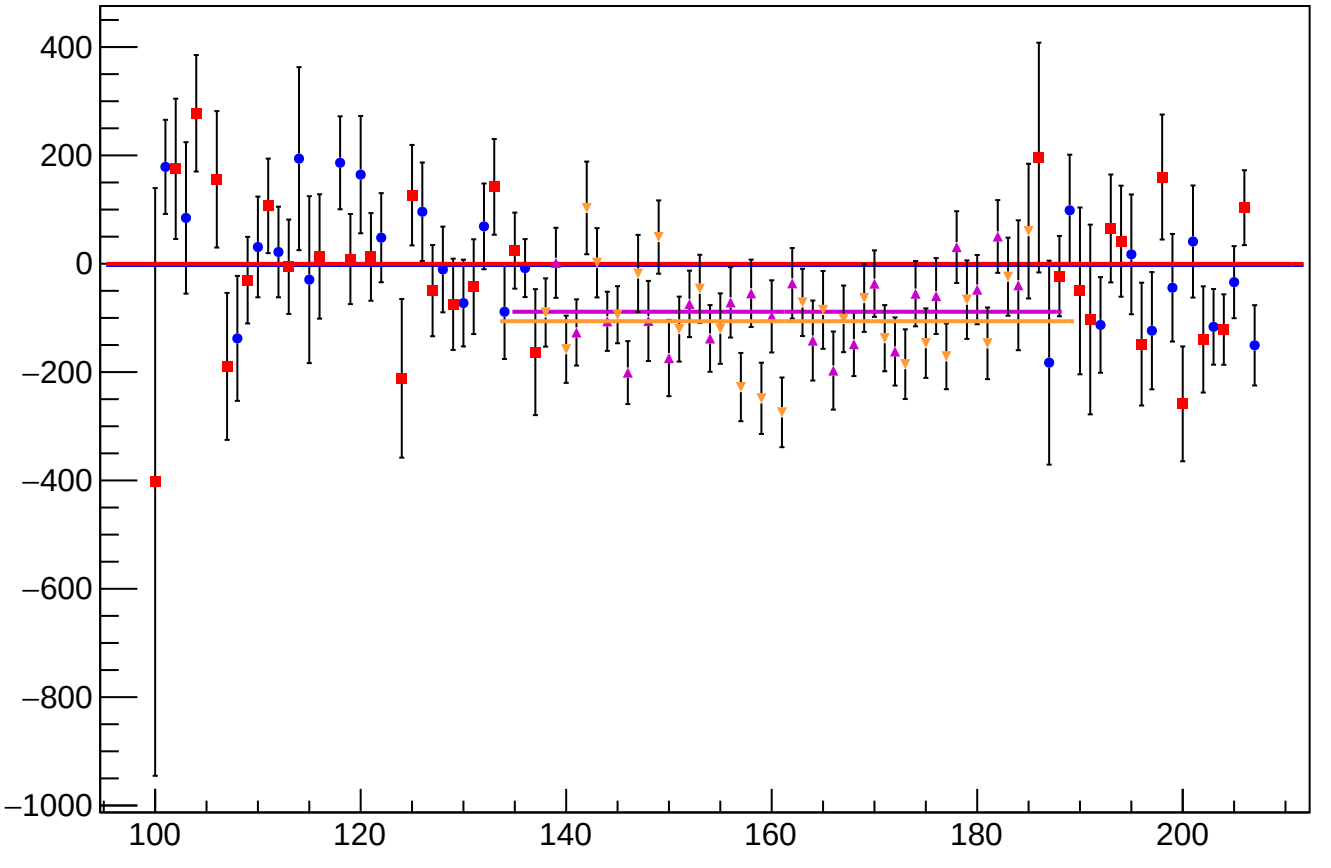
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13133783.9/56

In: 0.000+/-0.000 χ^2/NDF:13046071.7/48

Out: 0.000+/-0.000 χ^2/NDF:13781720.5/55

All: 0.000+/-0.000 χ^2/NDF: 26827998.7/104



Right In: -2.323+/-17.495 χ^2/NDF: 31.0/25

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

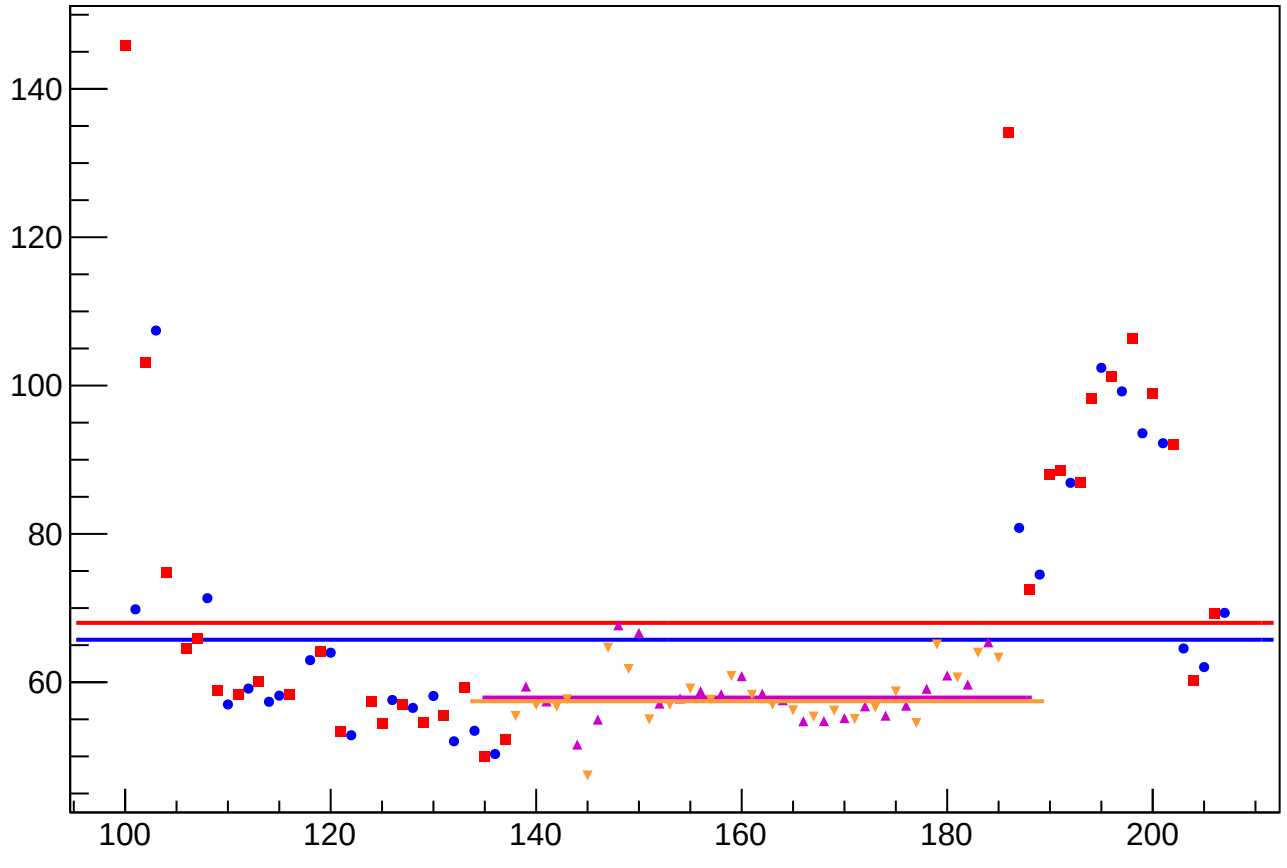
Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

Right: -1.269+/-12.333 χ^2/NDF: 74.6/56

In: -56.213+/-10.721 χ^2/NDF:70.1/48

Out: -67.806+/-10.457 χ^2/NDF:107.9/55

All: -62.154+/-7.486 χ^2/NDF: 178.6/104



Right In: 65.730+/-0.012 χ^2/NDF: 1458245.3/25

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

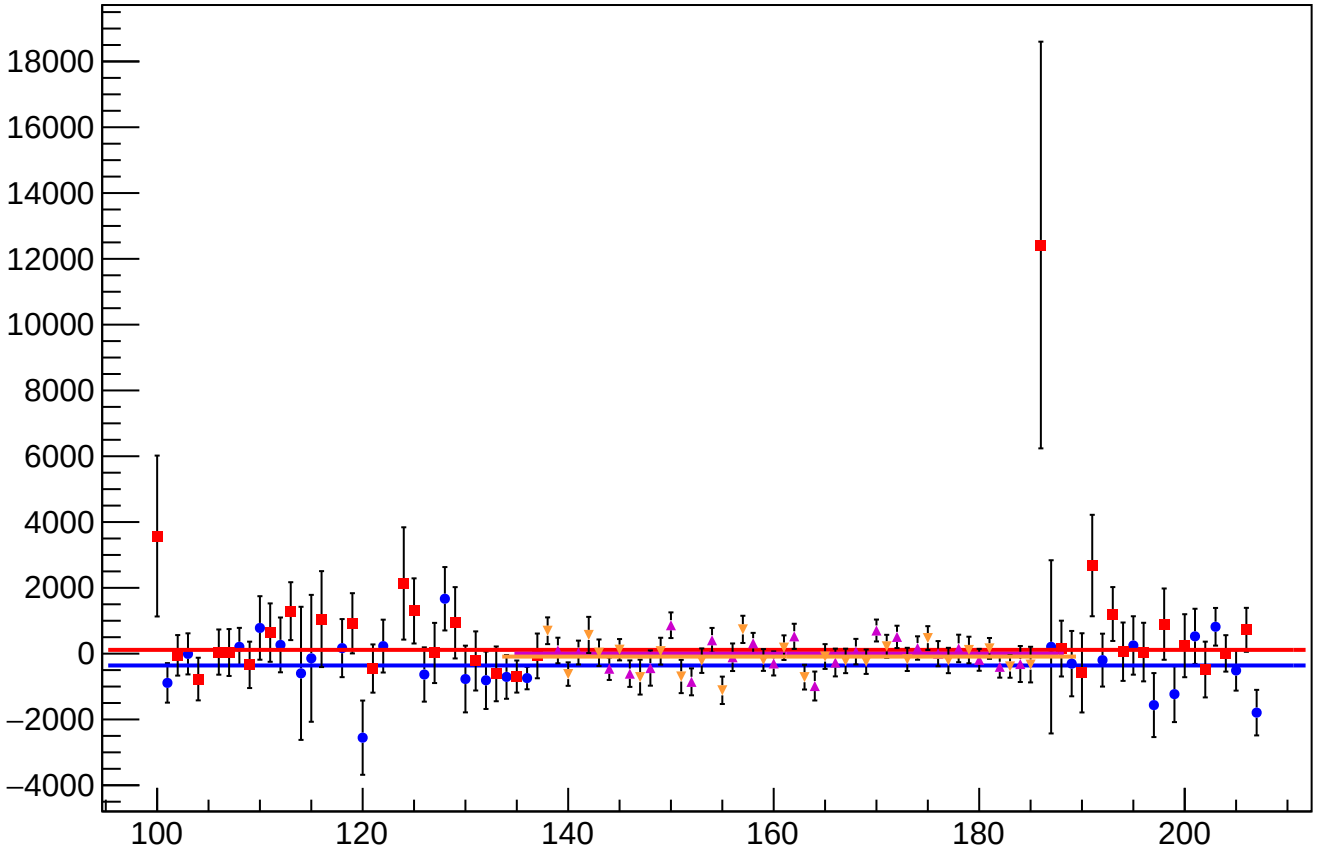
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.875+/-0.009 χ^2/NDF: 3413692.9/56

In: 60.861+/-0.008 χ^2/NDF:1842246.3/48

Out: 61.262+/-0.007 χ^2/NDF:2584321.9/55

All: 61.066+/-0.005 χ^2/NDF: 4428002.5/104



Right In: -359.518+/-146.957 χ^2/NDF: 28.1/25

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

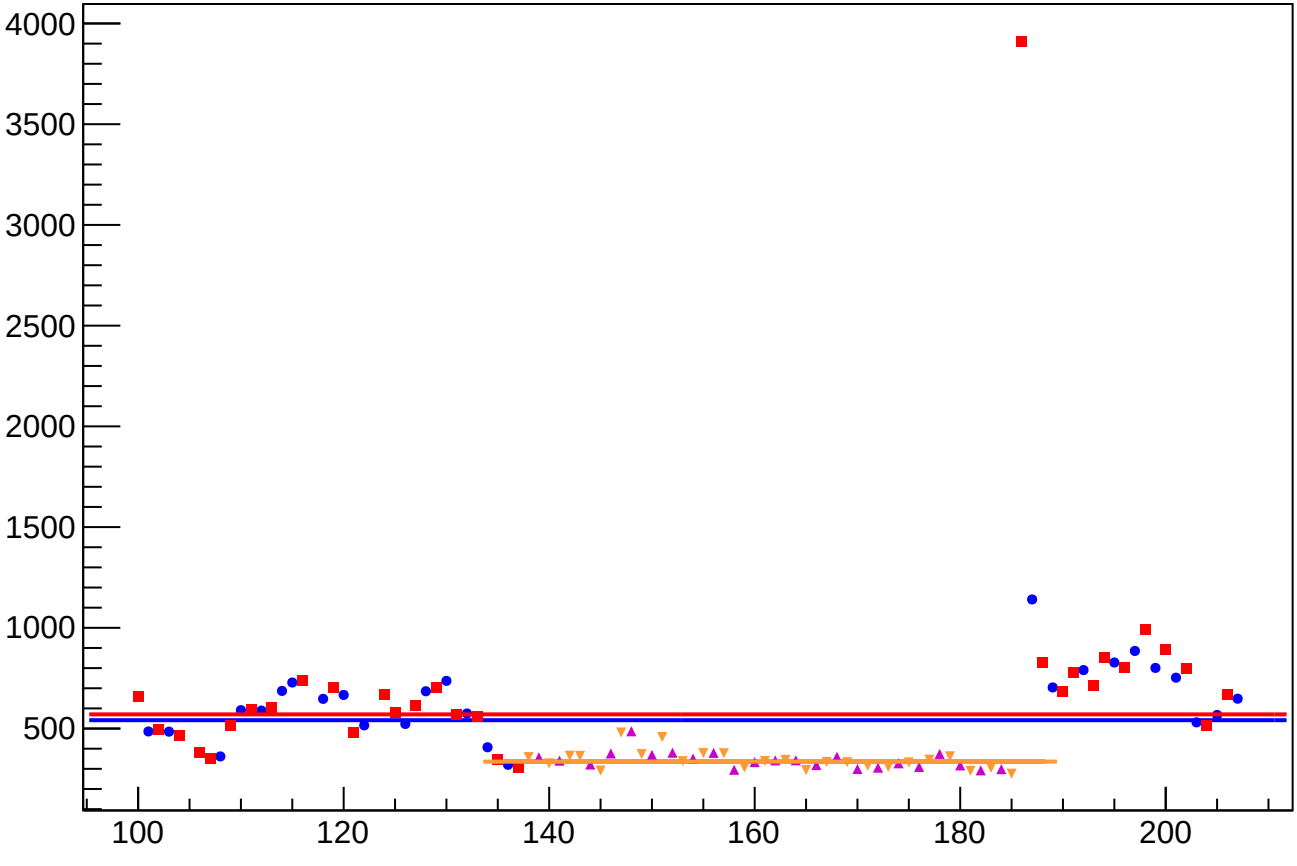
Right: -125.274+/-104.527 χ^2/NDF: 59.4/56

In: -83.268+/-69.715 χ^2/NDF:66.2/48

Out: -45.994+/-68.385 χ^2/NDF:57.6/55

All: -64.272+/-48.819 χ^2/NDF: 124.0/104

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 541.469+/-0.104 χ^2/NDF: 2541336.1/25

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

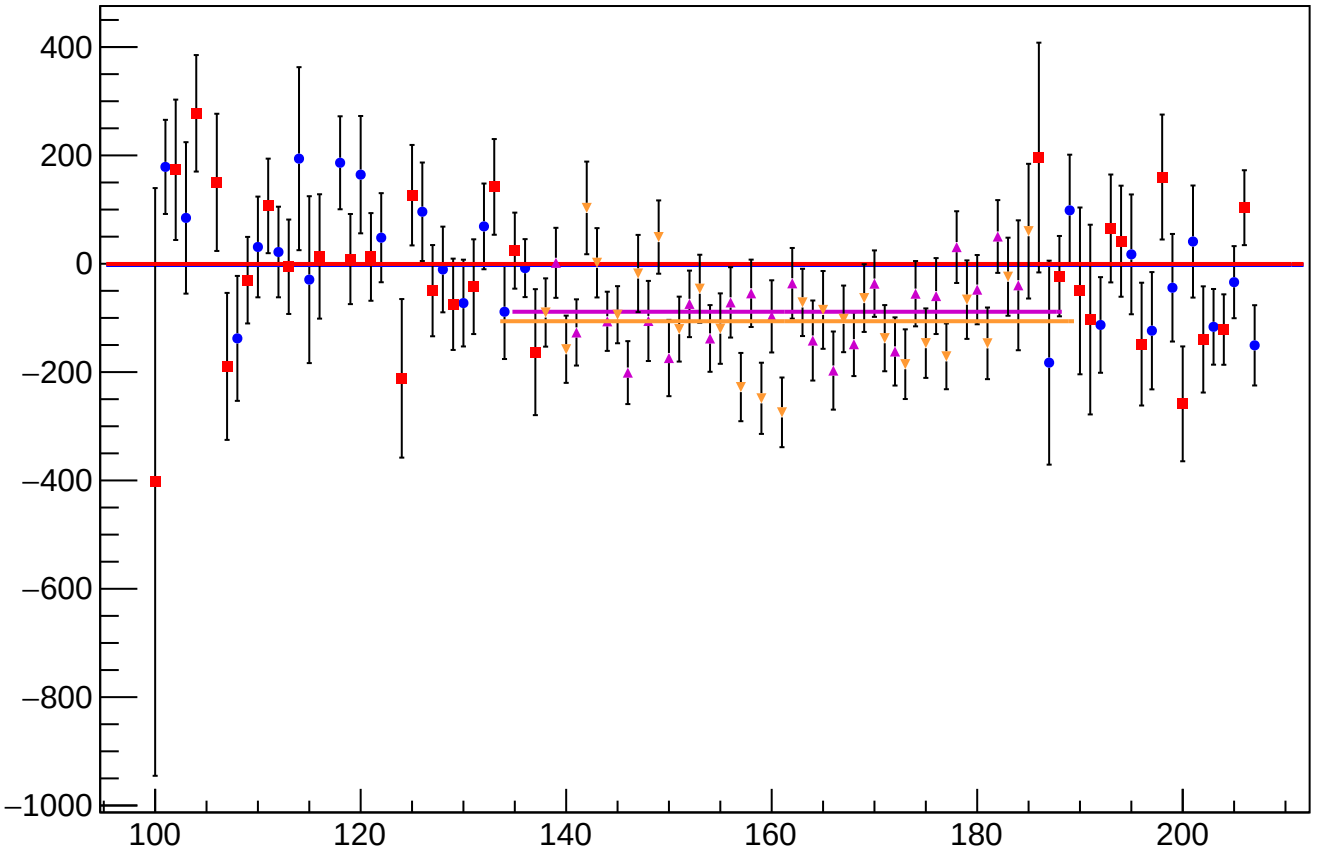
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 555.718+/-0.074 χ^2/NDF: 5846269.3/56

In: 382.506+/-0.049 χ^2/NDF:5975231.7/48

Out: 385.468+/-0.048 χ^2/NDF:7719607.9/55

All: 384.016+/-0.035 χ^2/NDF: 13696680.5/10



Right In: -2.327+/-17.495 χ^2/NDF: 31.0/25

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

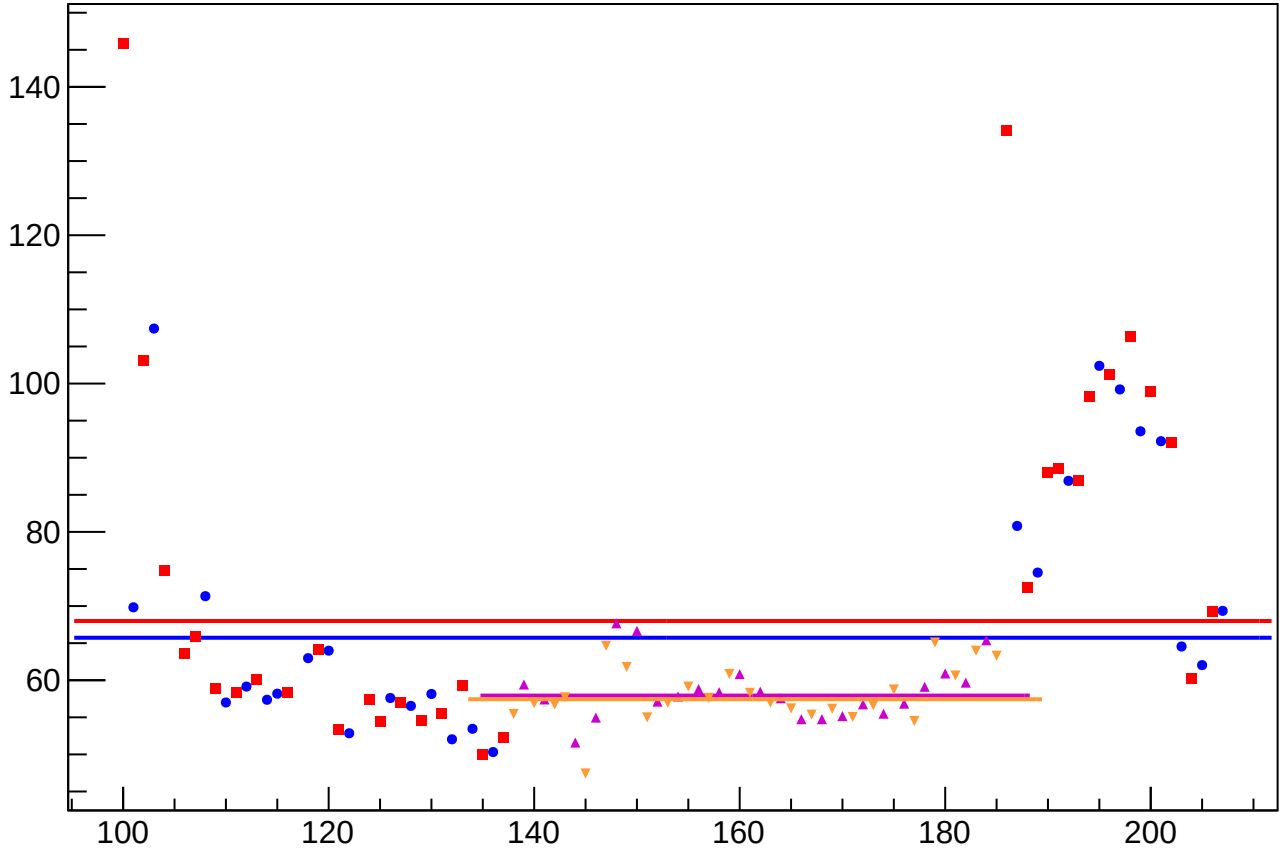
Right: -1.359+/-12.333 χ^2/NDF: 74.4/56

In: -56.216+/-10.721 χ^2/NDF:70.1/48

Out: -67.875+/-10.458 χ^2/NDF:107.7/55

All: -62.190+/-7.486 χ^2/NDF: 178.4/104

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.730+/-0.012 χ^2/NDF: 1458247.3/25

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

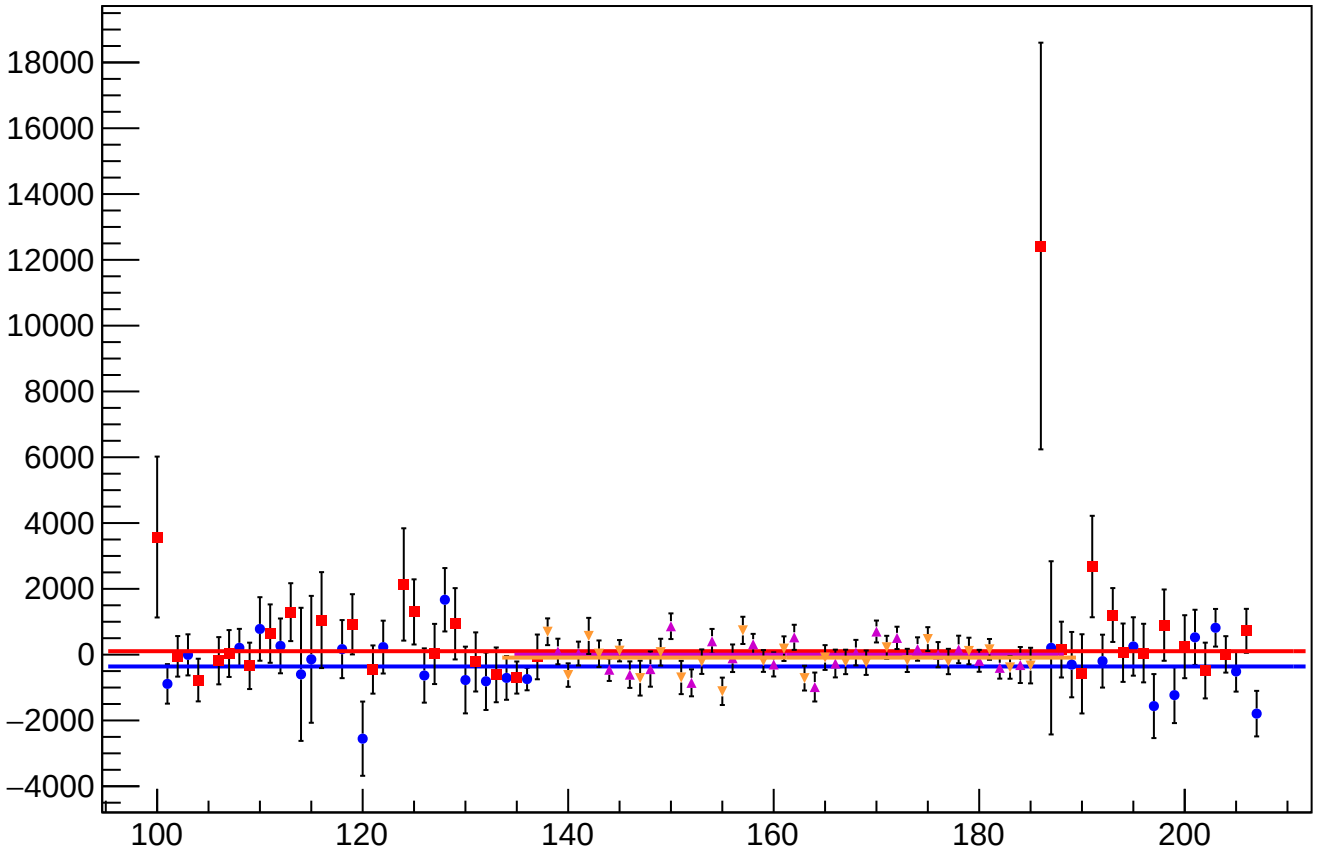
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.866+/-0.009 χ^2/NDF: 3414584.9/56

In: 60.861+/-0.008 χ^2/NDF:1842248.3/48

Out: 61.255+/-0.007 χ^2/NDF:2583833.7/55

All: 61.063+/-0.005 χ^2/NDF: 4427467.0/104



Right In: -359.496+/-146.958 χ^2/NDF: 28.1/25

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

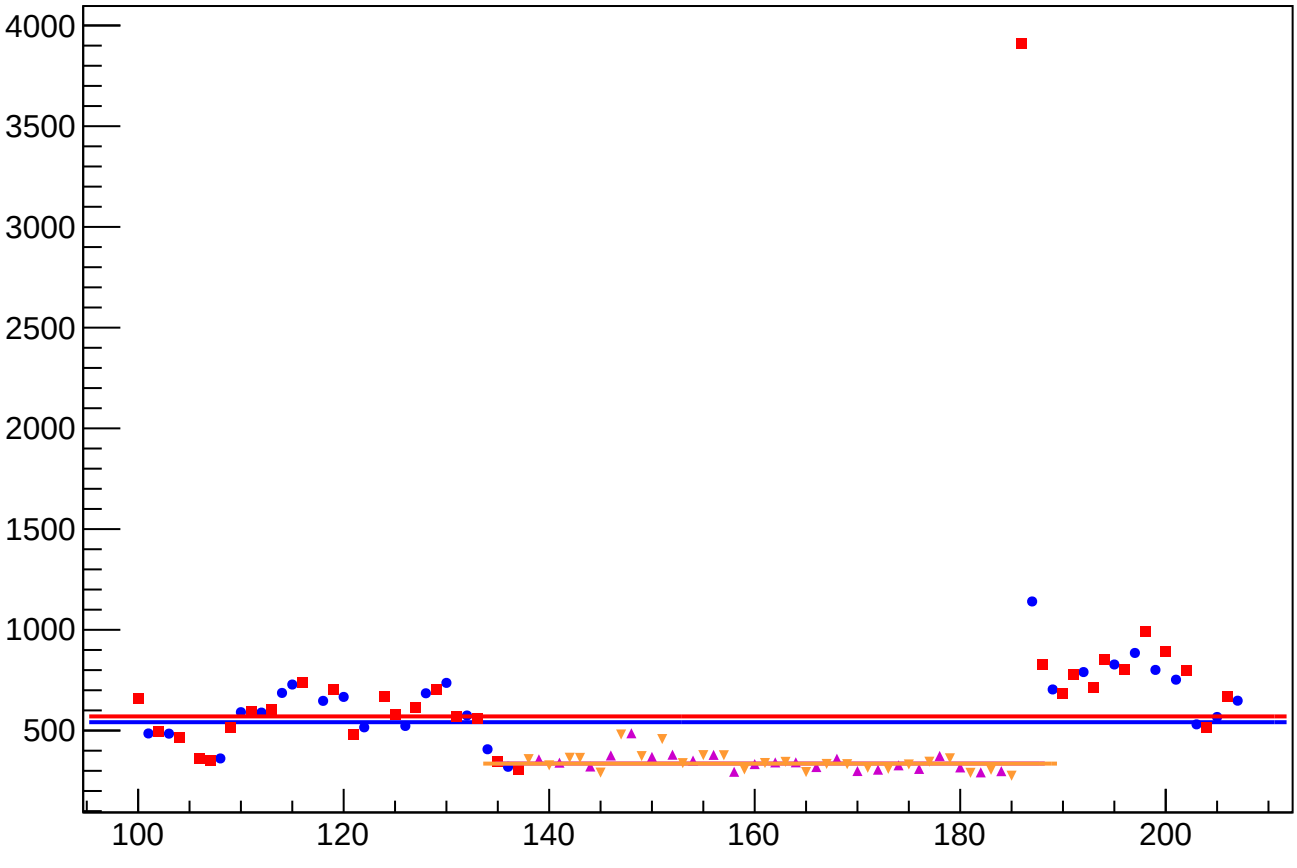
Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

Right: -130.547+/-104.632 χ^2/NDF: 59.4/56

In: -83.264+/-69.715 χ^2/NDF:66.2/48

Out: -48.188+/-68.414 χ^2/NDF:57.6/55

All: -65.396+/-48.830 χ^2/NDF: 124.0/104



Right In: 541.471+/-0.104 χ^2/NDF: 2541311.3/25

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

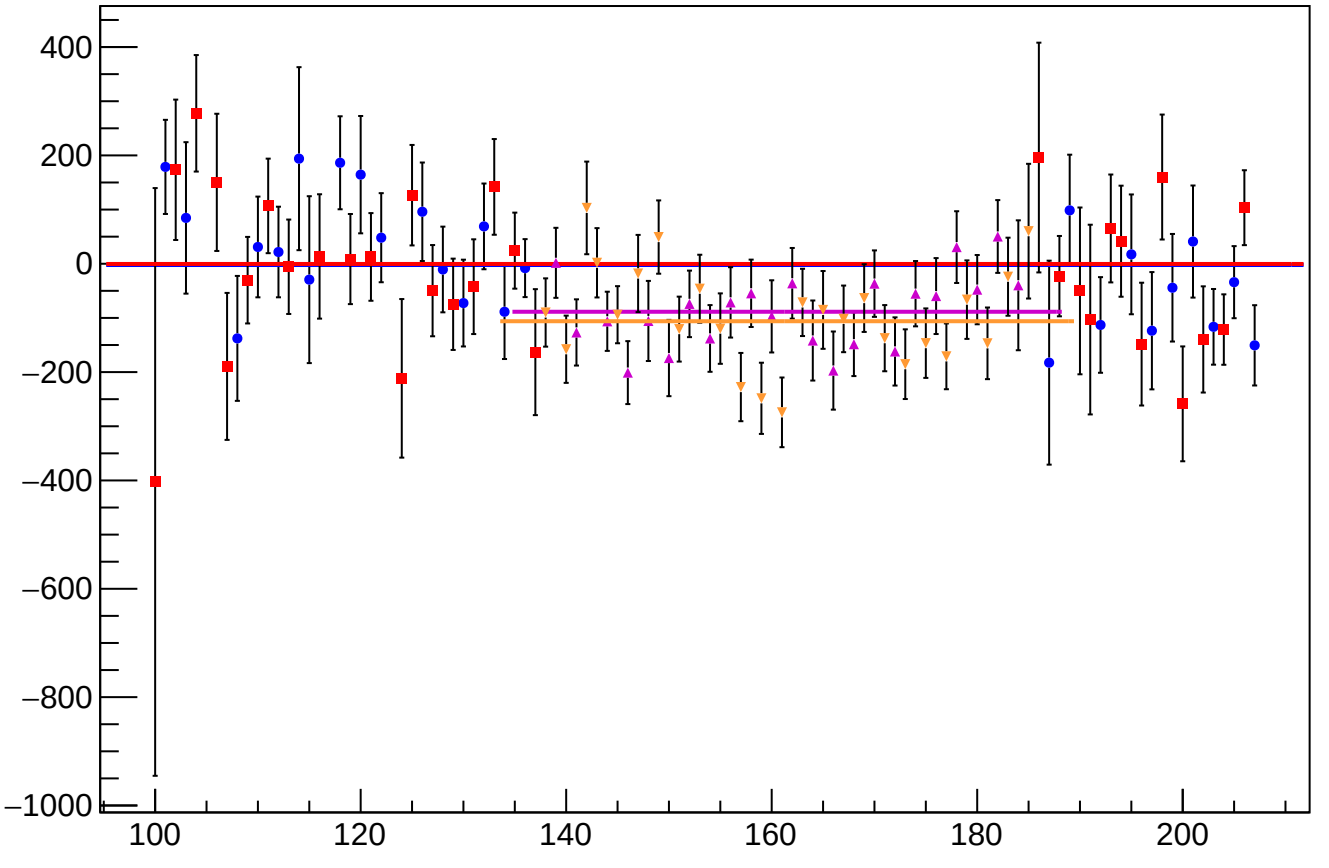
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 555.632+/-0.074 χ^2/NDF: 5865065.8/56

In: 382.506+/-0.049 χ^2/NDF:5975263.3/48

Out: 385.285+/-0.048 χ^2/NDF:7722331.3/55

All: 383.921+/-0.035 χ^2/NDF: 13699213.6/10



Right In: -2.327+/-17.495 χ^2/NDF: 31.0/25

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

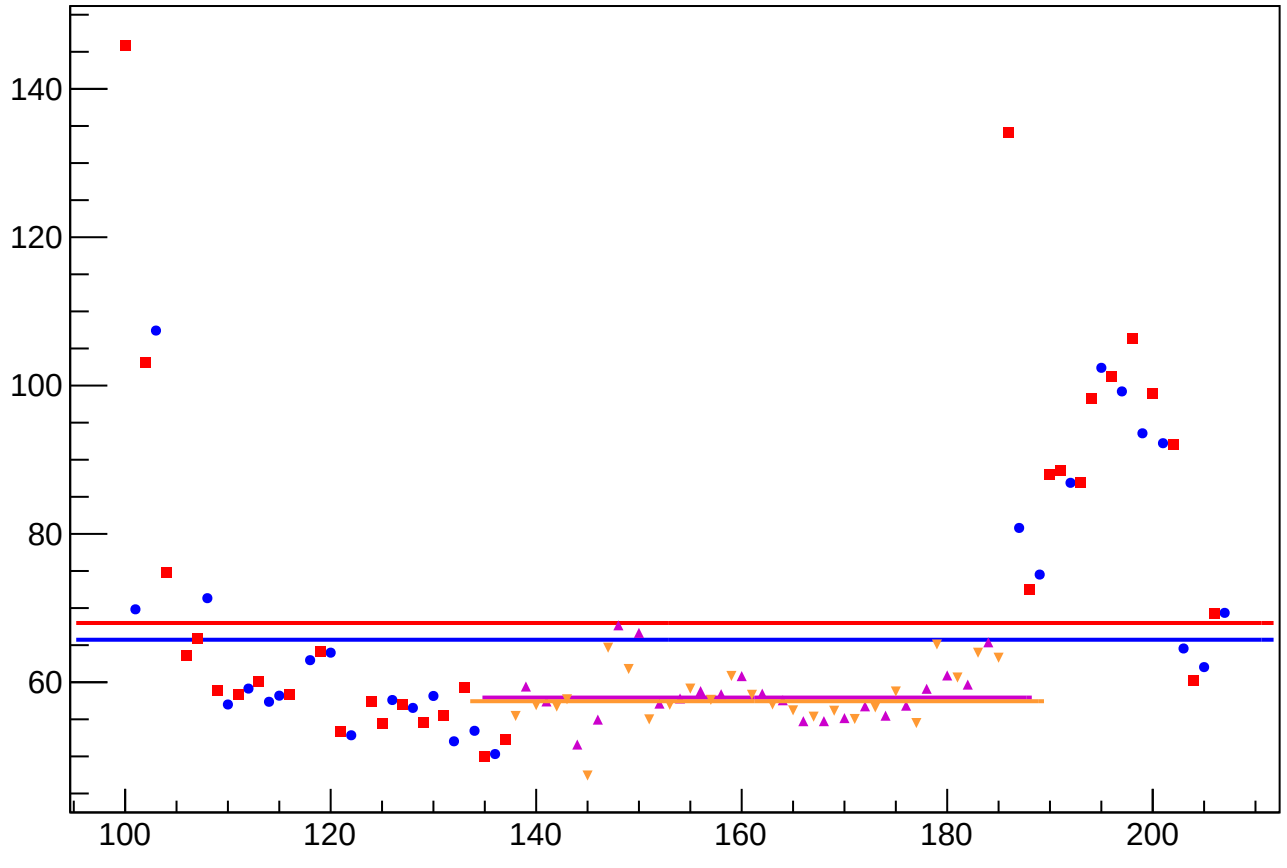
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -1.359+/-12.333 χ^2/NDF: 74.4/56

In: -56.216+/-10.721 χ^2/NDF:70.1/48

Out: -67.875+/-10.458 χ^2/NDF:107.7/55

All: -62.190+/-7.486 χ^2/NDF: 178.4/104



Right In: 65.730+/-0.012 χ^2/NDF: 1458247.3/25

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

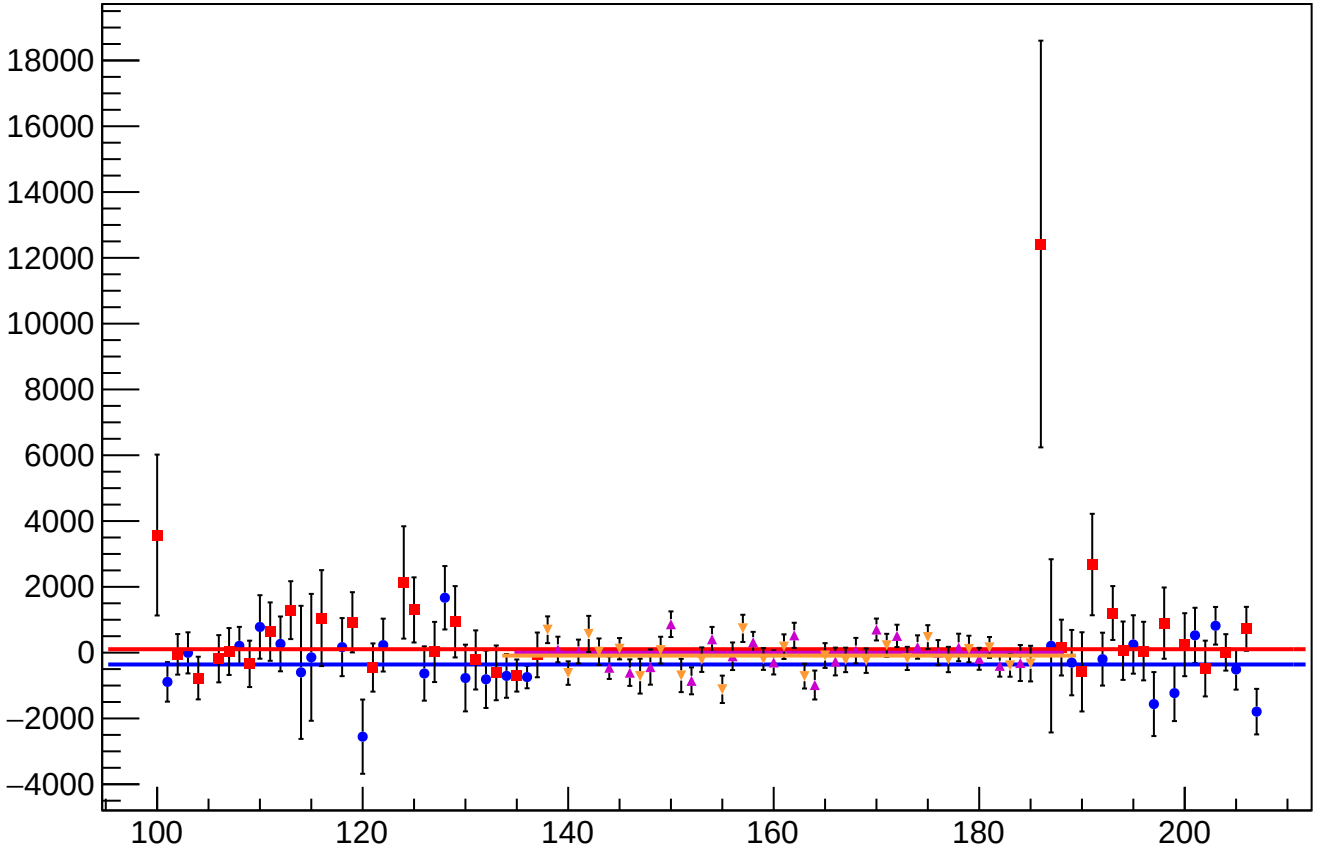
Right: 66.866+/-0.009 χ^2/NDF: 3414584.9/56

In: 60.861+/-0.008 χ^2/NDF:1842248.3/48

Out: 61.255+/-0.007 χ^2/NDF:2583833.7/55

All: 61.063+/-0.005 χ^2/NDF: 4427467.0/104

asym_sam_13_57_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -359.496+/-146.958 χ^2/NDF: 28.1/25

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

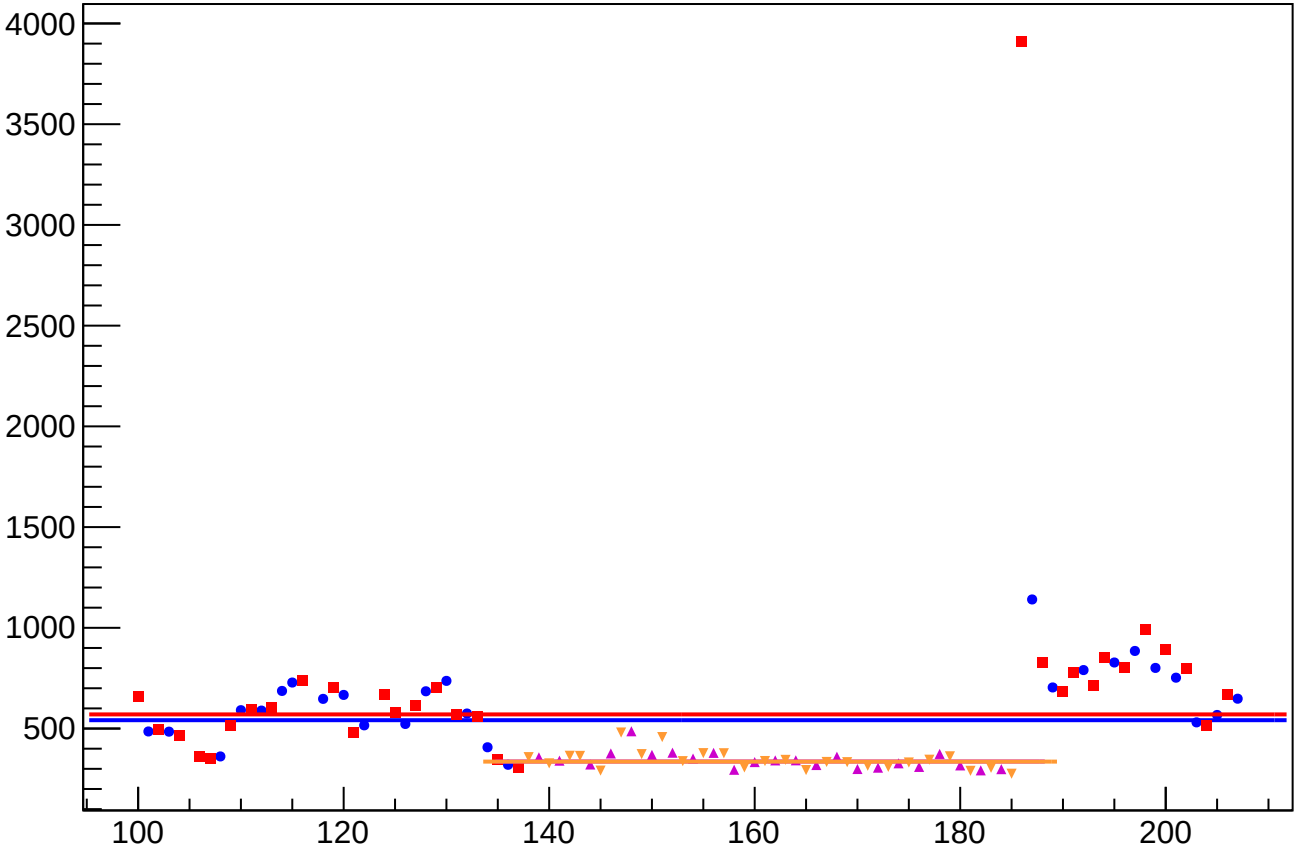
Right: -130.547+/-104.632 χ^2/NDF: 59.4/56

In: -83.264+/-69.715 χ^2/NDF:66.2/48

Out: -48.188+/-68.414 χ^2/NDF:57.6/55

All: -65.396+/-48.830 χ^2/NDF: 124.0/104

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 541.471+/-0.104 χ^2/NDF: 2541311.3/25

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

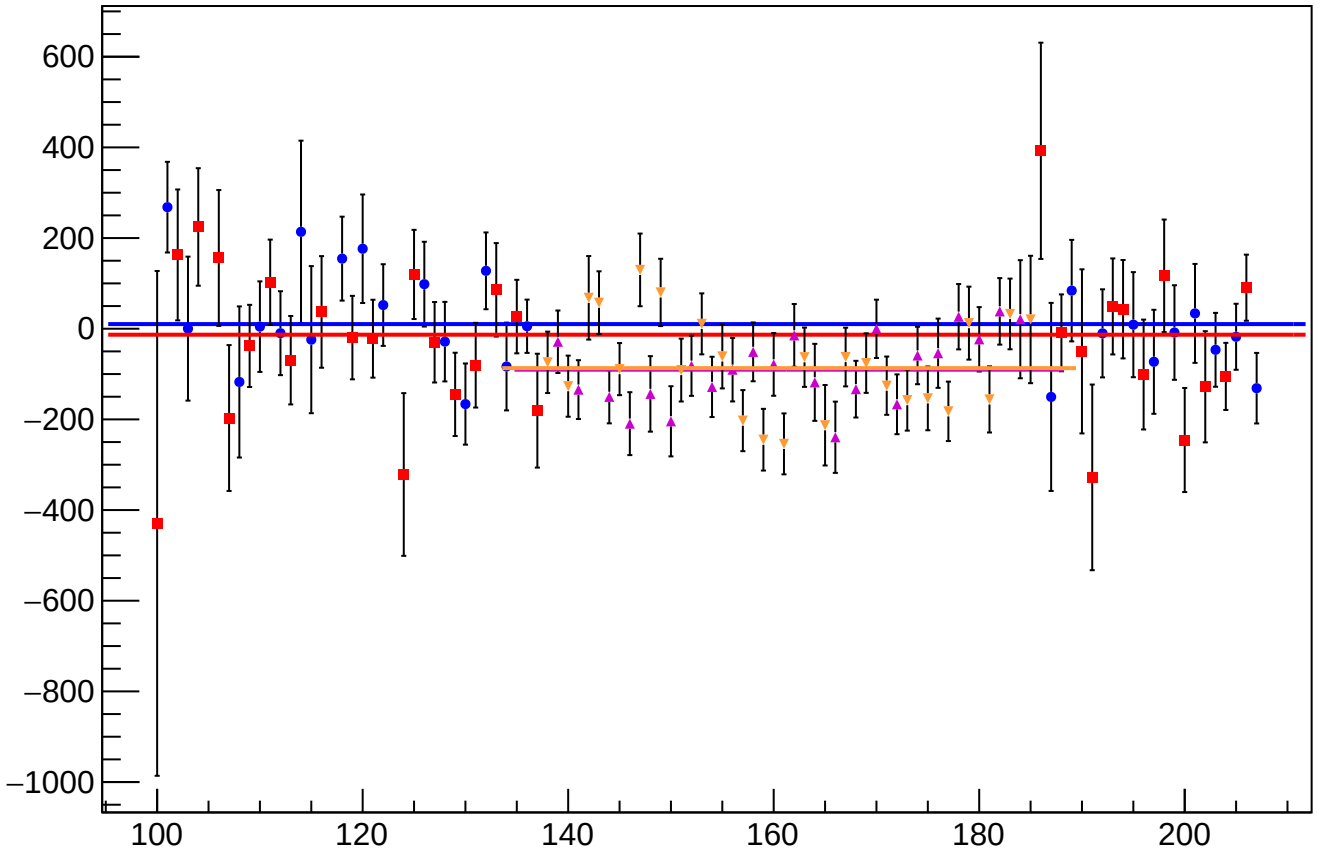
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 555.632+/-0.074 χ^2/NDF: 5865065.8/56

In: 382.506+/-0.049 χ^2/NDF:5975263.3/48

Out: 385.285+/-0.048 χ^2/NDF:7722331.3/55

All: 383.921+/-0.035 χ^2/NDF: 13699213.6/10



Right In: 10.219+/-19.212 χ^2/NDF: 26.4/25

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

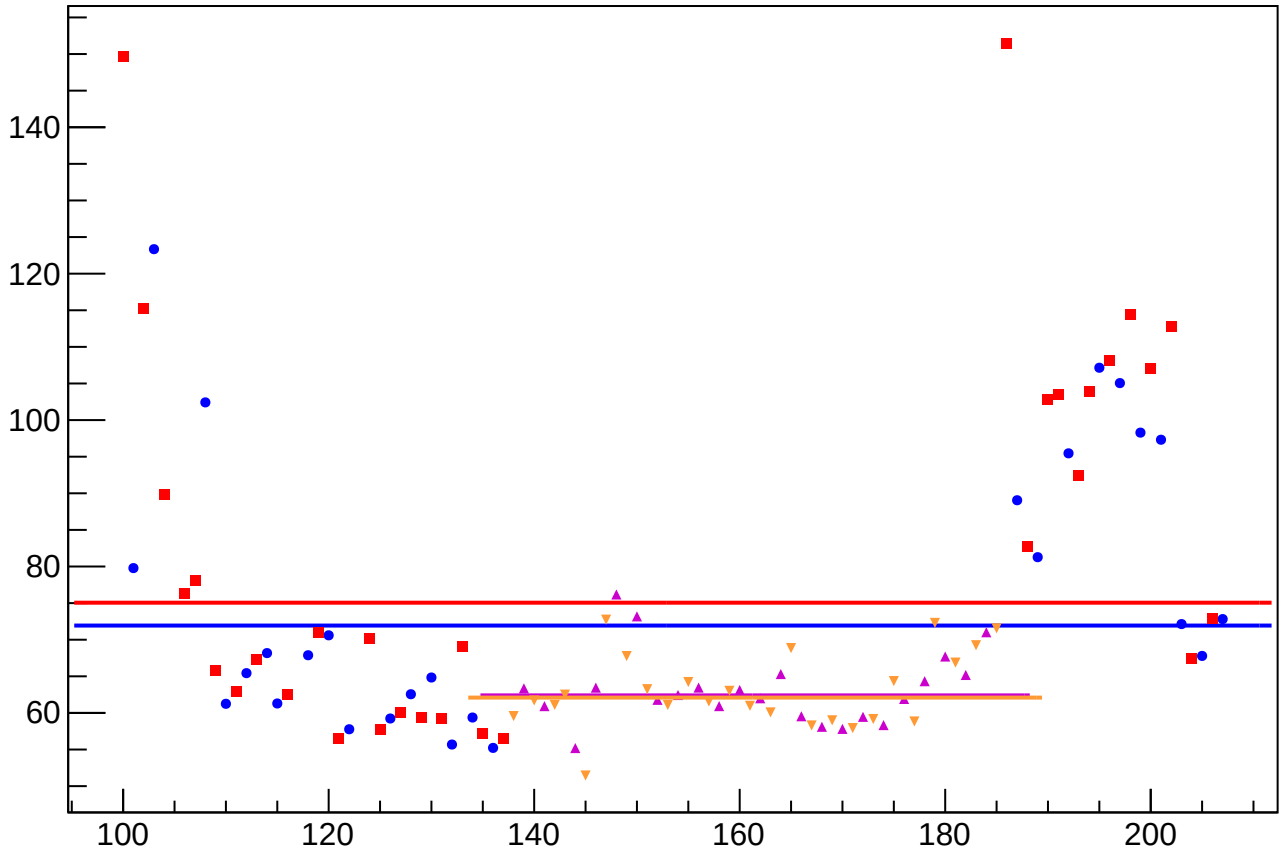
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -1.440+/-13.611 χ^2/NDF: 63.6/56

In: -53.360+/-11.653 χ^2/NDF:68.8/48

Out: -61.087+/-11.422 χ^2/NDF:94.8/55

All: -57.301+/-8.157 χ^2/NDF: 163.8/104



Right In: 71.934+/-0.014 χ^2/NDF: 1464651.6/25

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

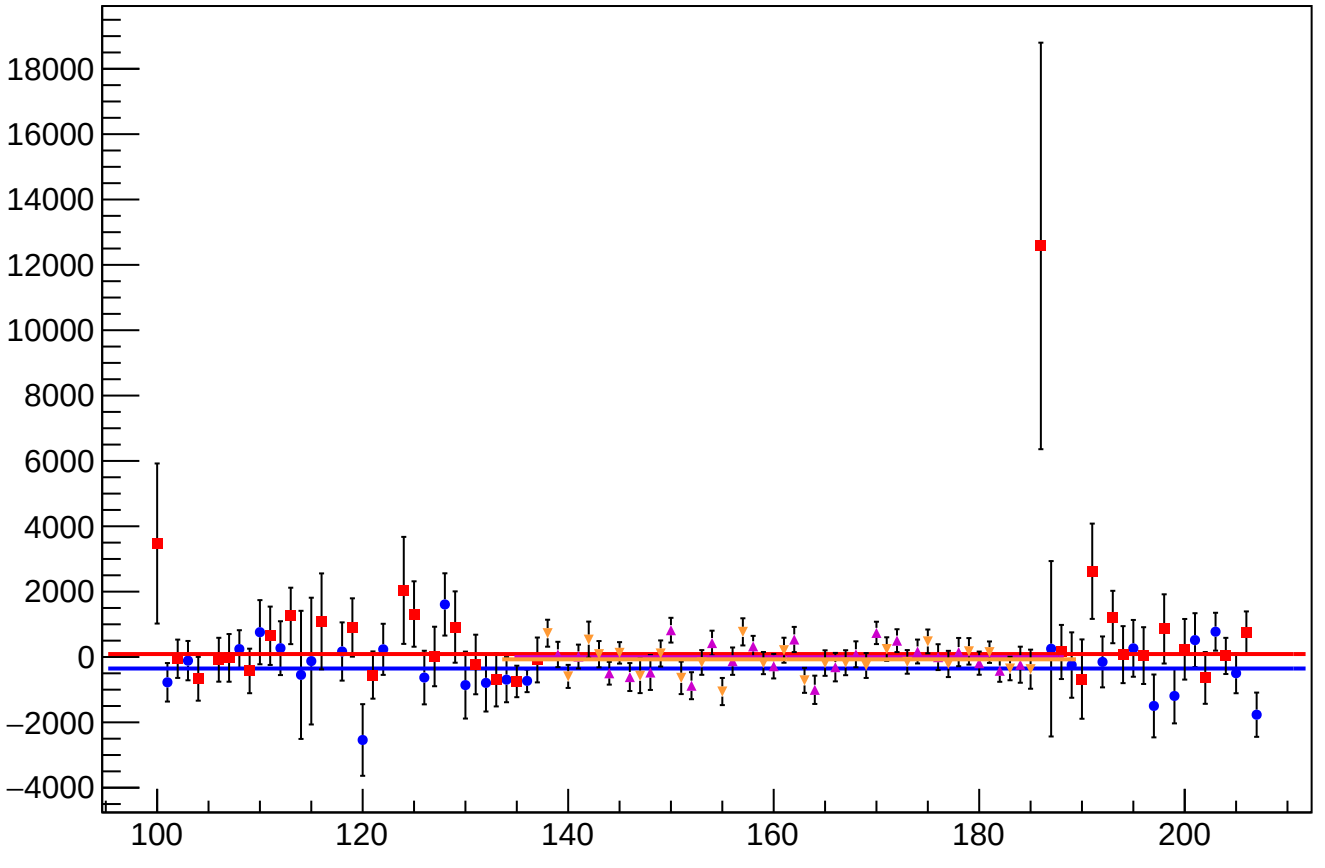
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 73.489+/-0.010 χ^2/NDF: 3498832.9/56

In: 65.905+/-0.008 χ^2/NDF:1965150.4/48

Out: 66.639+/-0.008 χ^2/NDF:2827861.8/55

All: 66.279+/-0.006 χ^2/NDF: 4797069.1/104



Right In: -352.853+/-146.407 χ^2/NDF: 27.2/25

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

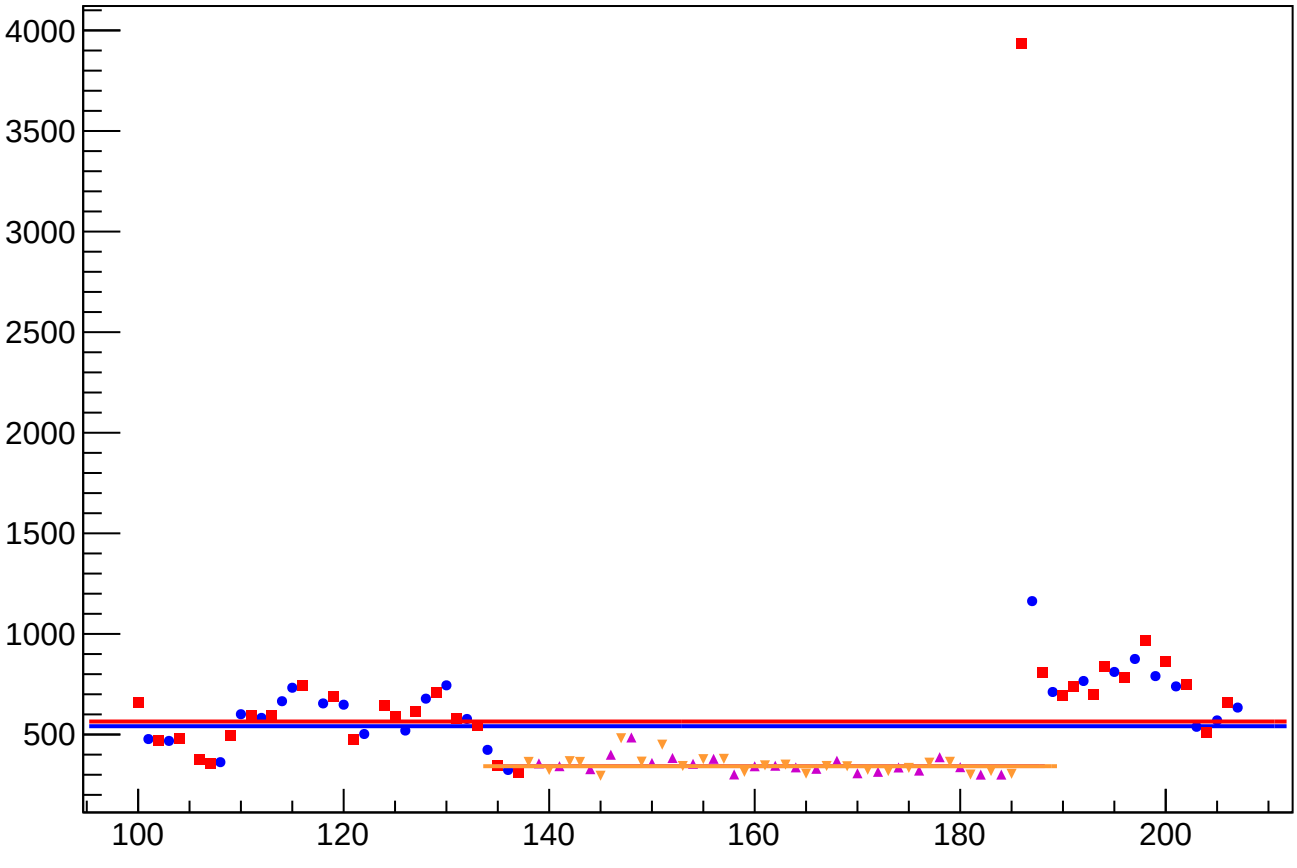
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -132.055+/-103.676 χ^2/NDF: 59.4/56

In: -87.020+/-70.715 χ^2/NDF:65.5/48

Out: -35.530+/-69.159 χ^2/NDF:57.2/55

All: -60.702+/-49.444 χ^2/NDF: 122.9/104



Right In: 541.230+/-0.104 χ^2/NDF: 2418830.6/25

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

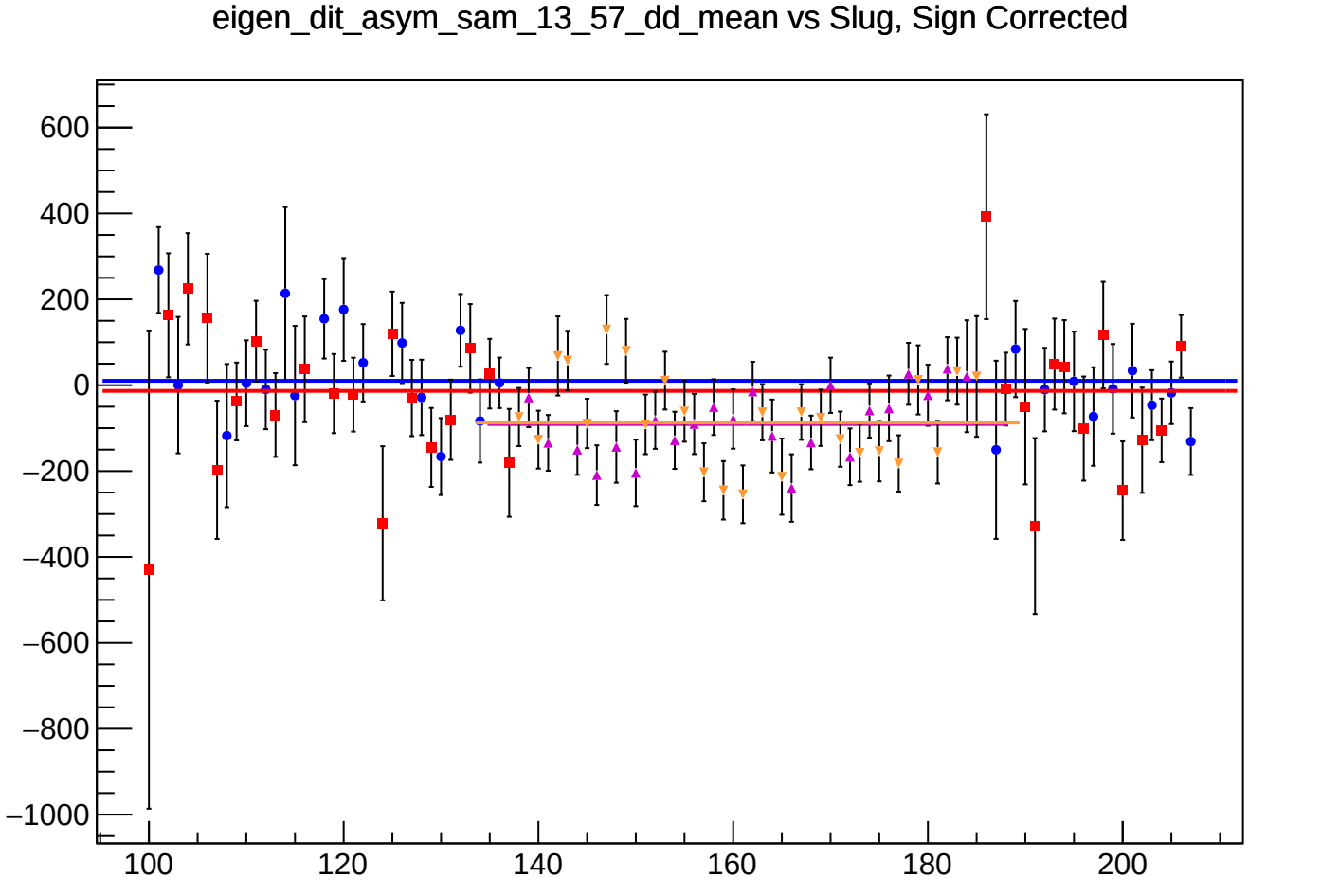
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

Right: 552.909+/-0.073 χ^2/NDF: 5572951.4/56

In: 389.433+/-0.050 χ^2/NDF:5595956.0/48

Out: 391.785+/-0.049 χ^2/NDF:7125308.2/55

All: 390.635+/-0.035 χ^2/NDF: 12722395.8/10



Right In: 10.220+/-19.212 χ^2/NDF: 26.4/25

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -13.191+/-19.287 χ^2/NDF: 36.5/30

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

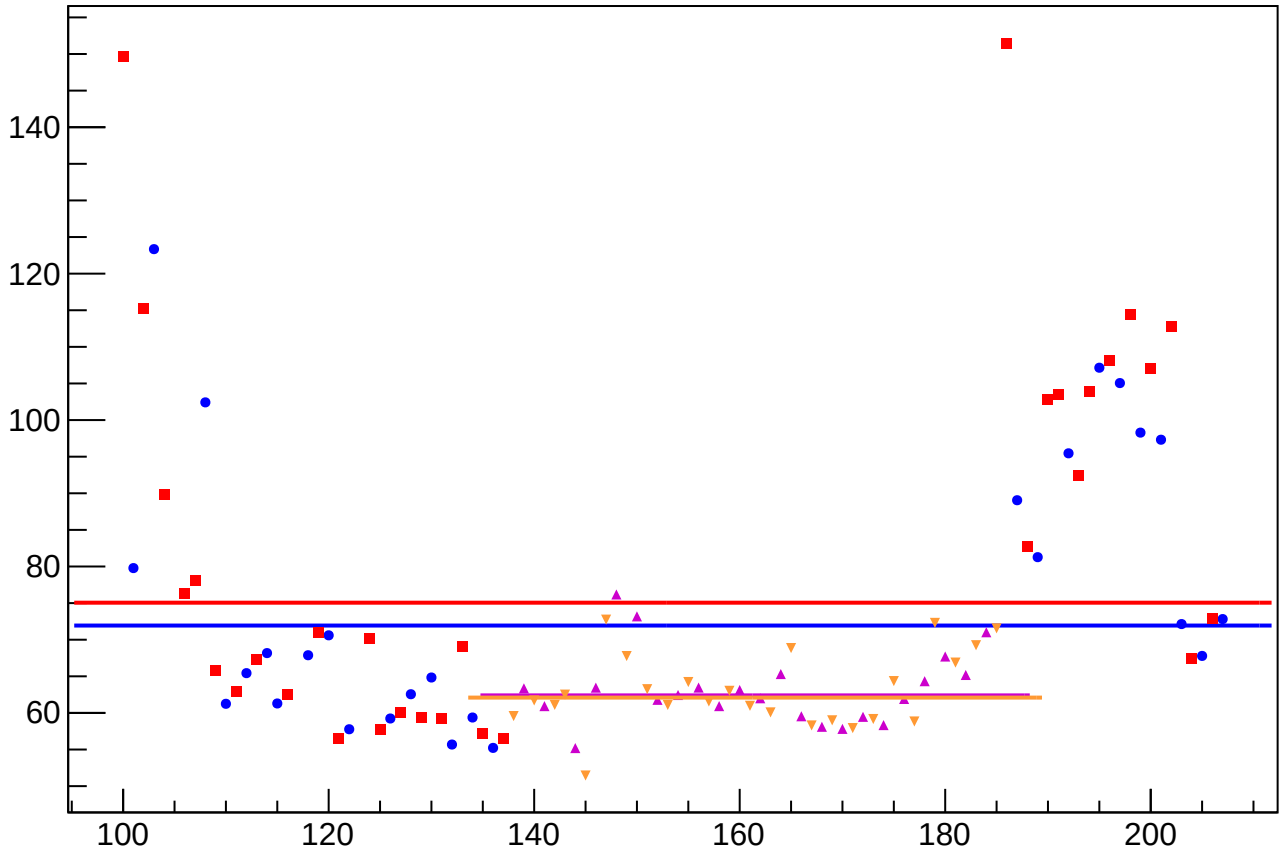
Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

Right: -1.439+/-13.611 χ^2/NDF: 63.6/56

In: -53.360+/-11.653 χ^2/NDF:68.8/48

Out: -61.087+/-11.422 χ^2/NDF:94.8/55

All: -57.301+/-8.157 χ^2/NDF: 163.8/104



Right In: 71.934+/-0.014 χ^2/NDF: 1464672.9/25

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

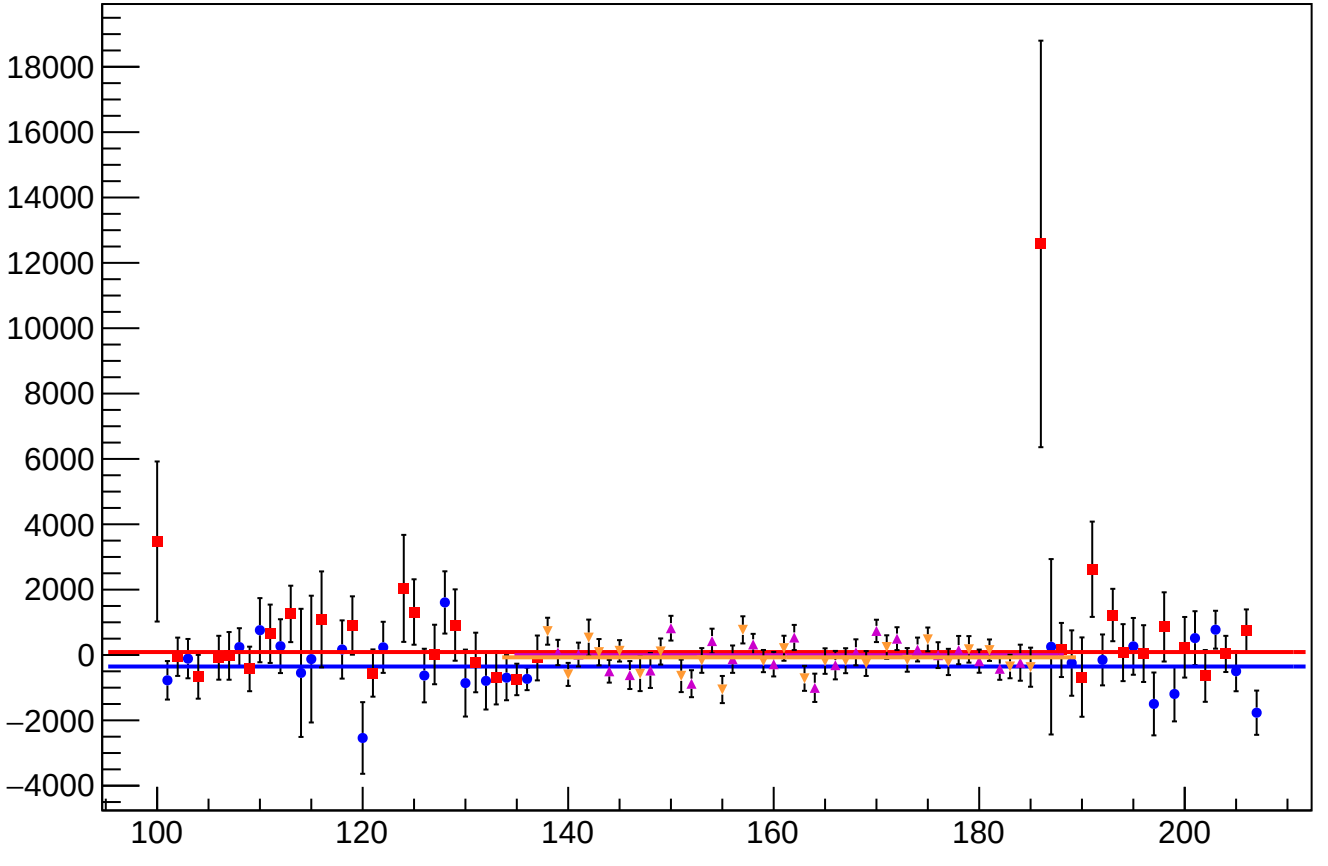
Right: 73.489+/-0.010 χ^2/NDF: 3498856.6/56

In: 65.905+/-0.008 χ^2/NDF:1965169.1/48

Out: 66.639+/-0.008 χ^2/NDF:2827863.9/55

All: 66.279+/-0.006 χ^2/NDF: 4797089.7/104

asym_sam_13_57_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -352.852+/-146.407 χ^2/NDF: 27.2/25

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

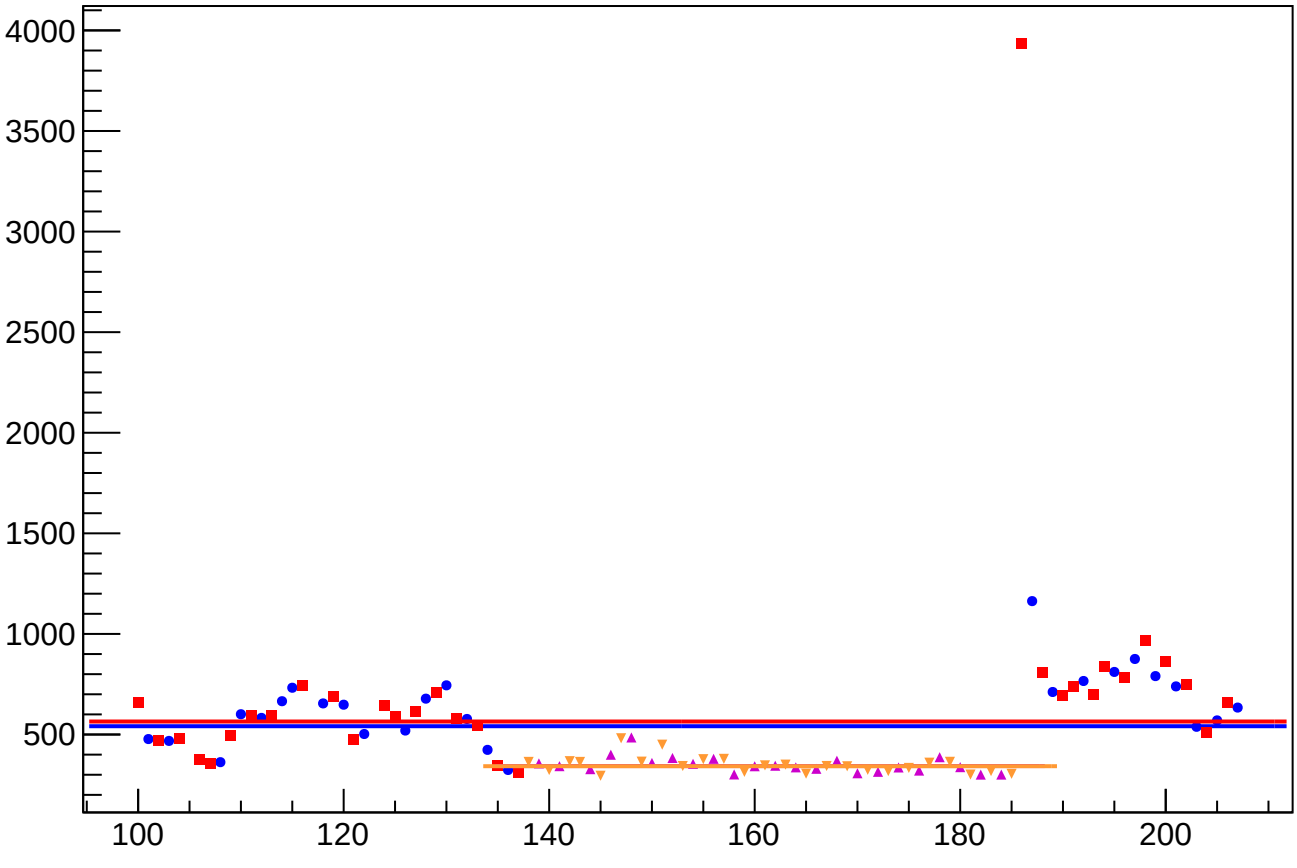
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -132.055+/-103.676 χ^2/NDF: 59.4/56

In: -87.020+/-70.715 χ^2/NDF:65.5/48

Out: -35.530+/-69.159 χ^2/NDF:57.2/55

All: -60.702+/-49.444 χ^2/NDF: 122.9/104



Right In: 541.229+/-0.104 χ^2/NDF: 2418834.5/25

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

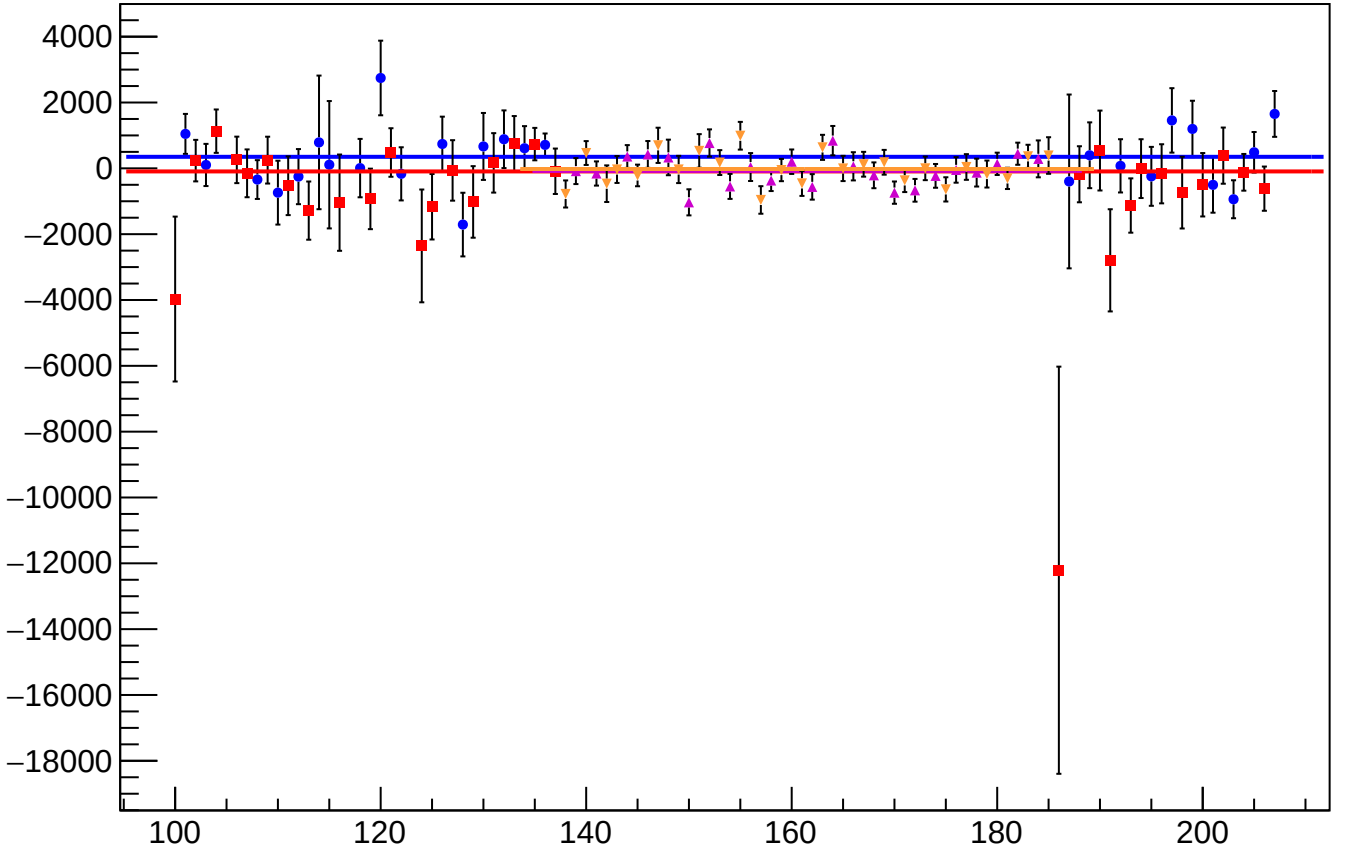
Right: 552.908+/-0.073 χ^2/NDF: 5572960.2/56

In: 389.433+/-0.050 χ^2/NDF:5595945.6/48

Out: 391.785+/-0.049 χ^2/NDF:7125297.3/55

All: 390.635+/-0.035 χ^2/NDF: 12722374.3/10

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 350.134+/-148.405 χ^2/NDF: 28.6/25

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

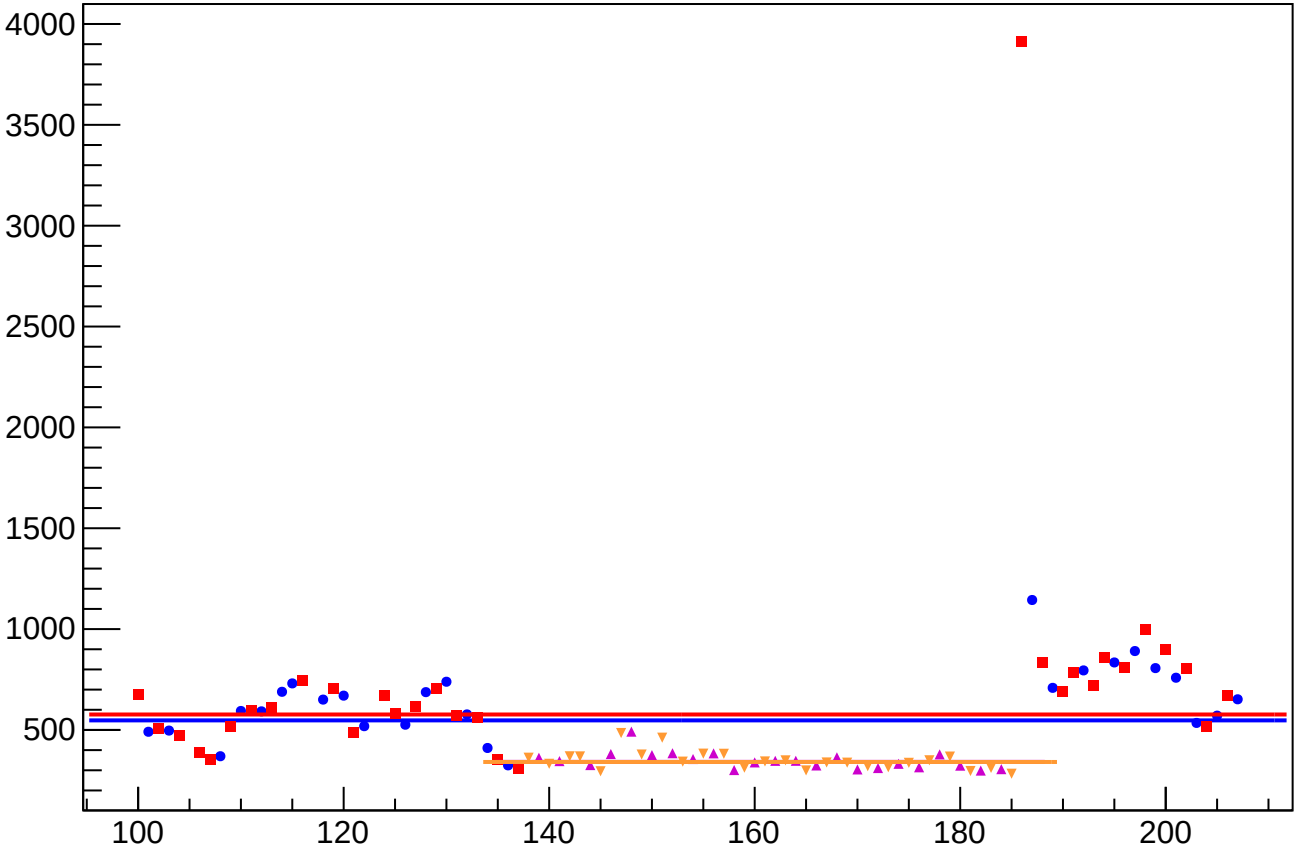
Right: 130.881+/-105.569 χ^2/NDF: 61.3/56

In: 18.610+/-70.699 χ^2/NDF:68.0/48

Out: -35.935+/-69.360 χ^2/NDF:59.9/55

All: -9.184+/-49.512 χ^2/NDF: 128.2/104

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 547.403+/-0.105 χ^2/NDF: 2484726.7/25

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

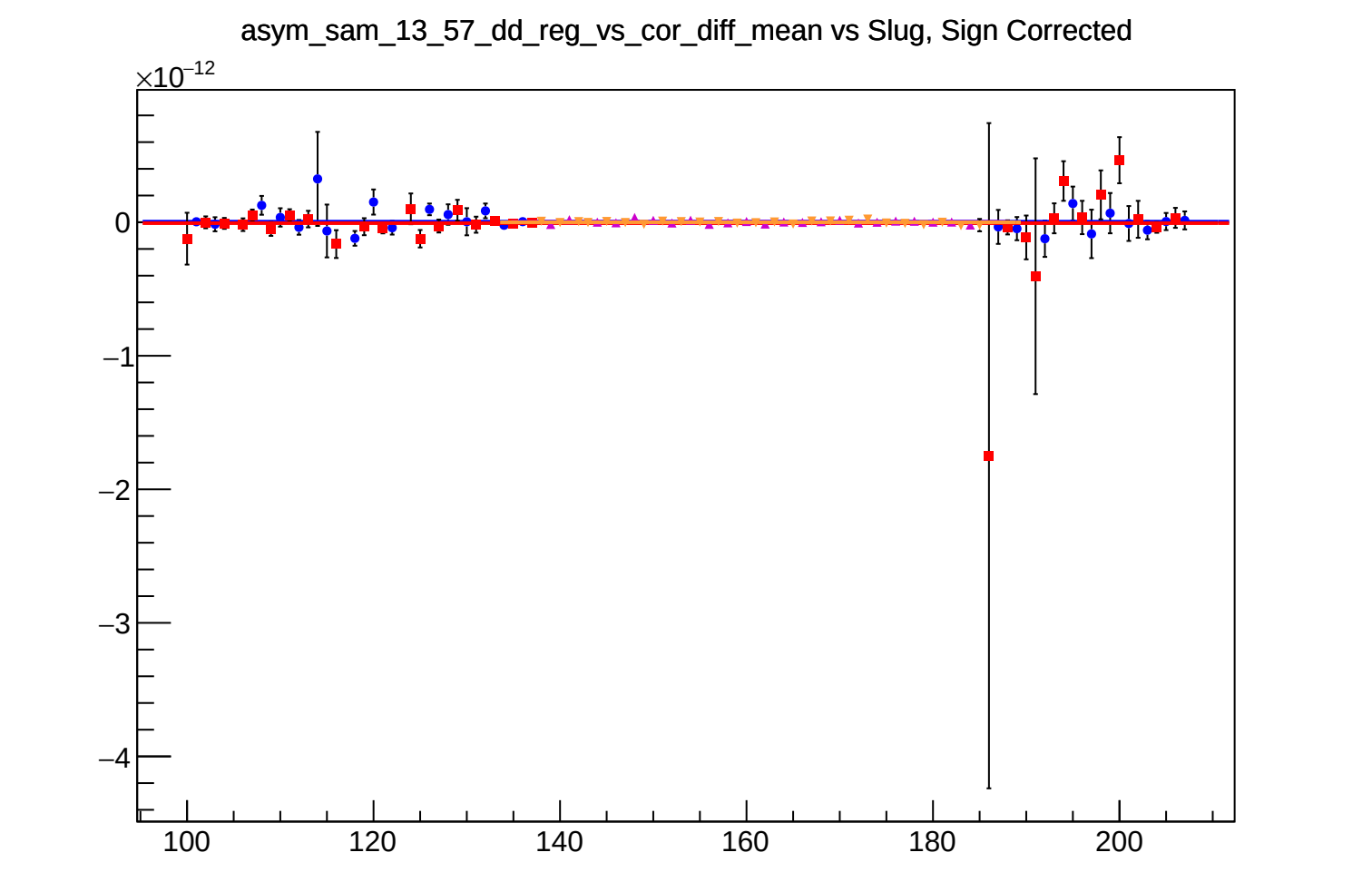
Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

Right: 561.825+/-0.075 χ^2/NDF: 5728128.0/56

In: 388.324+/-0.050 χ^2/NDF:5854294.8/48

Out: 391.394+/-0.049 χ^2/NDF:7580793.5/55

All: 389.888+/-0.035 χ^2/NDF: 13437009.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/25

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

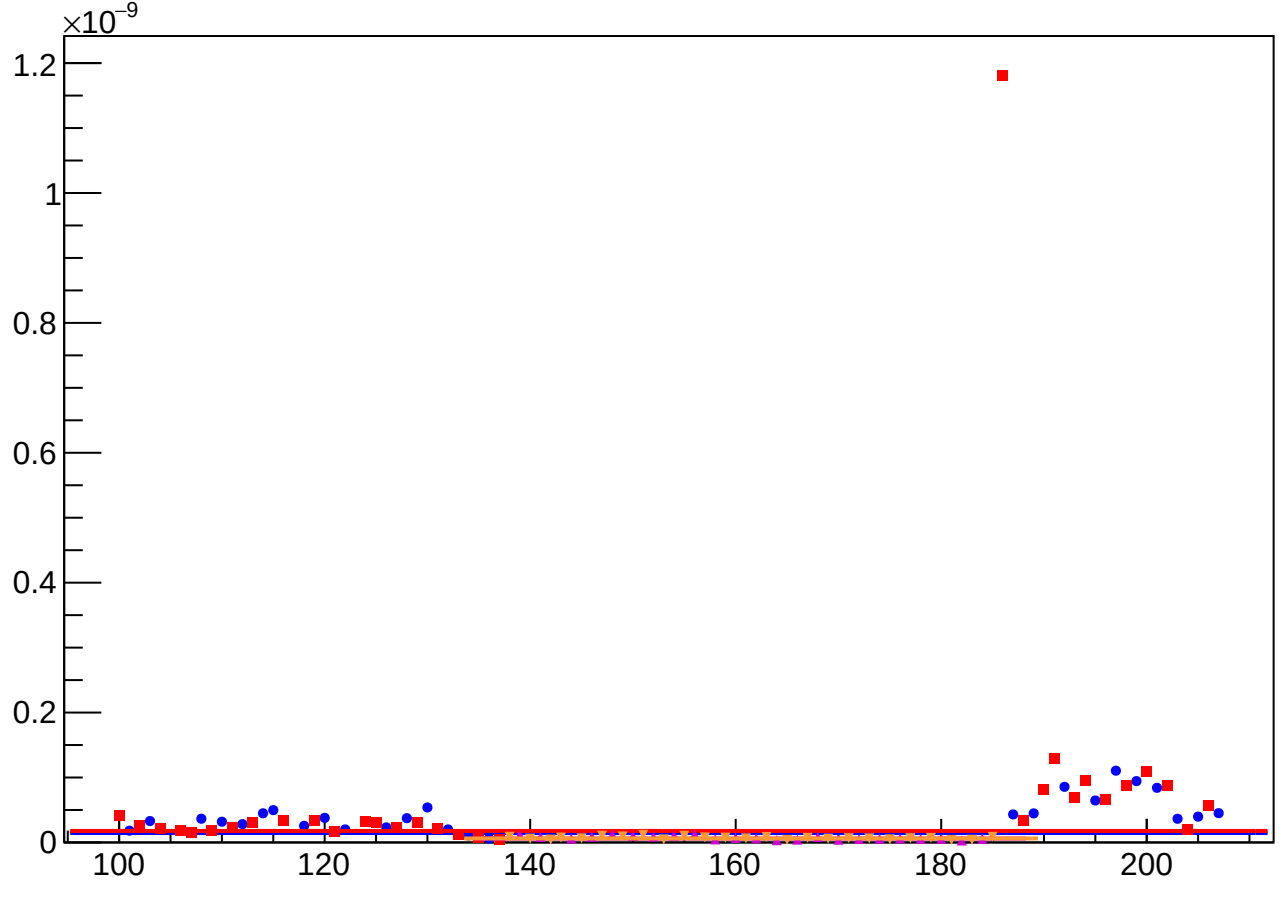
Right: -0.000+/-0.000 χ^2/NDF: 55.9/56

In: 0.000+/-0.000 χ^2/NDF:39.4/48

Out: -0.000+/-0.000 χ^2/NDF:49.7/55

All: 0.000+/-0.000 χ^2/NDF: 90.2/104

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6887093.9/25

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

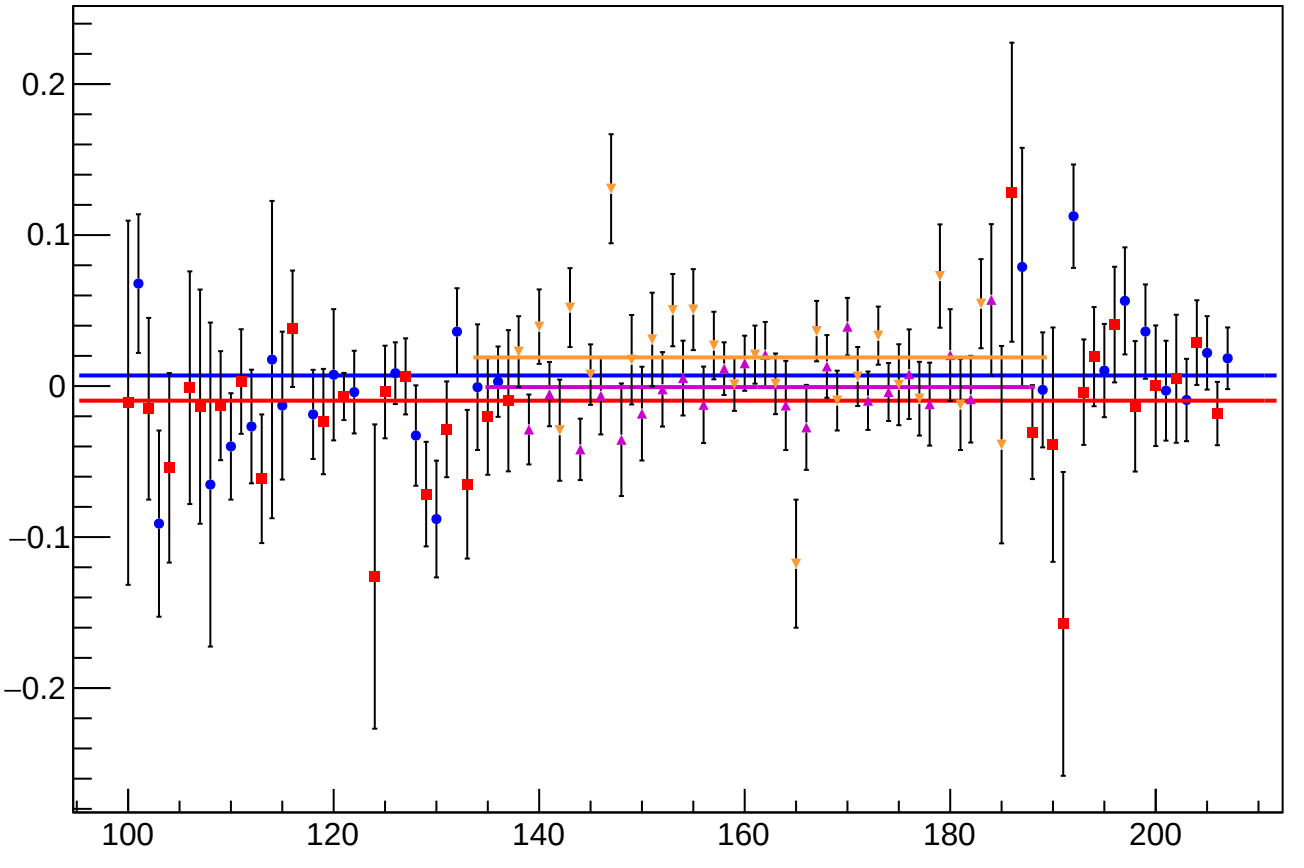
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13208457.0/56

In: 0.000+/-0.000 χ^2/NDF:10700031.9/48

Out: 0.000+/-0.000 χ^2/NDF:10579247.3/55

All: 0.000+/-0.000 χ^2/NDF: 21285590.7/104



Right In: 0.007+/-0.006 χ^2/NDF: 31.3/25

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

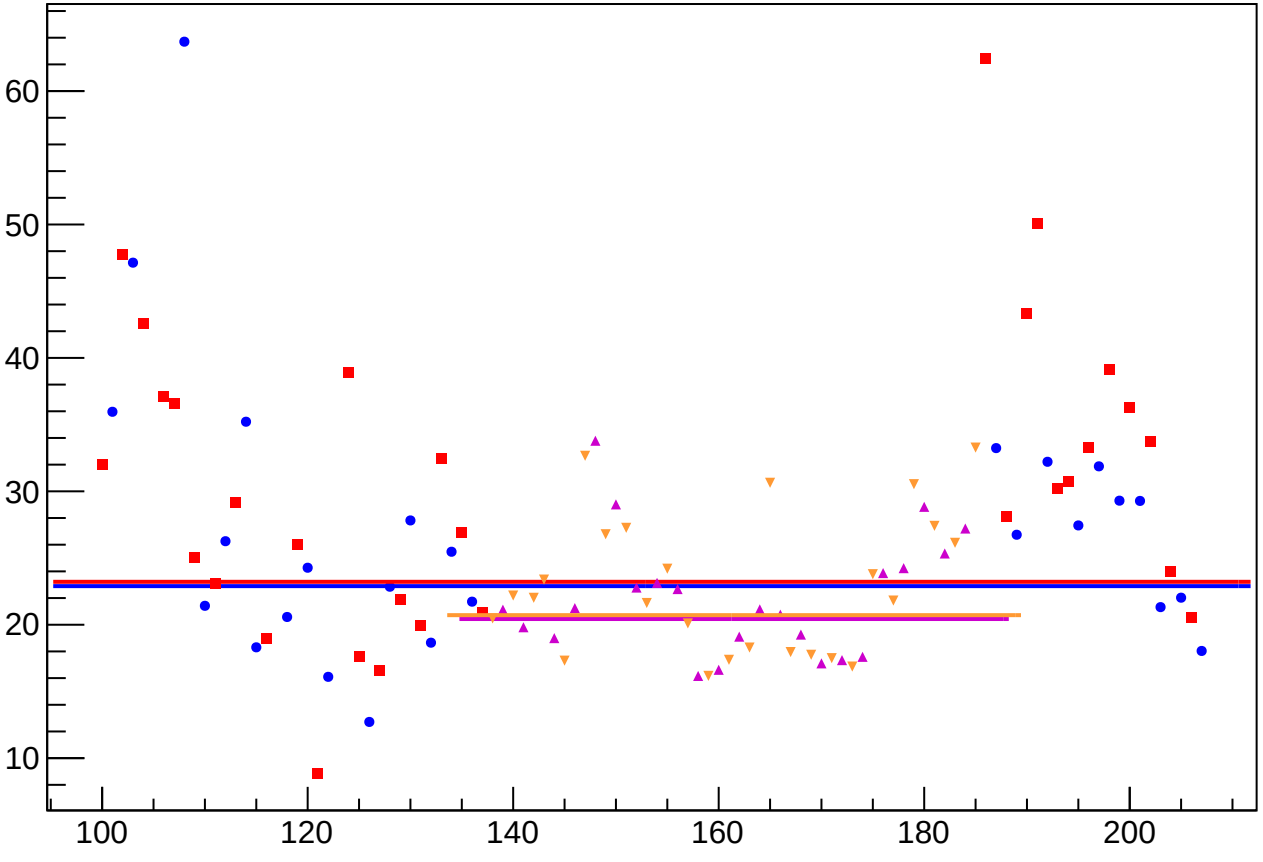
Right: -0.001+/-0.005 χ^2/NDF: 54.7/56

In: 0.002+/-0.004 χ^2/NDF:49.9/48

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 124.9/104

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.894+/-0.005 χ^2/NDF: 2203176.6/25

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

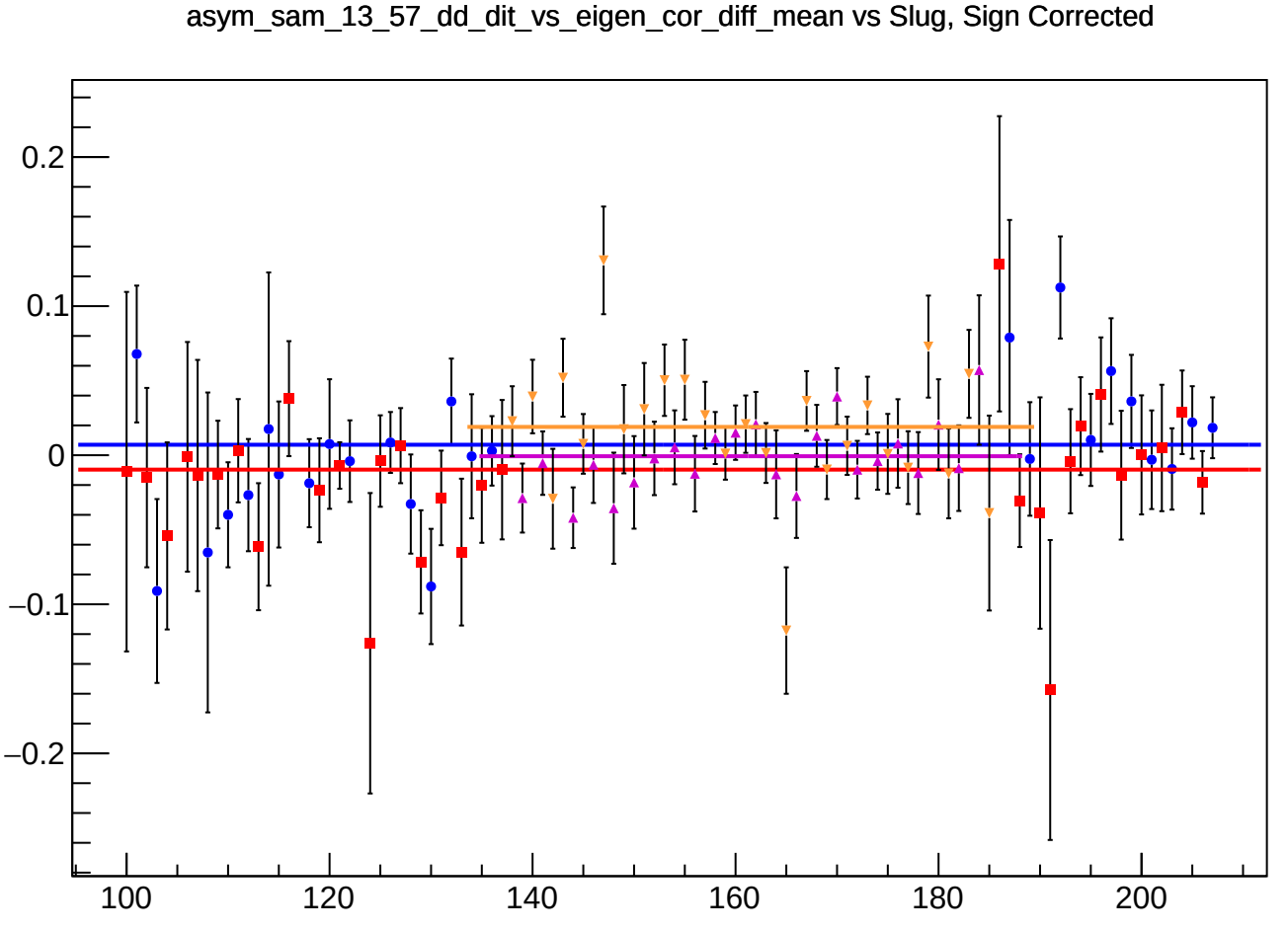
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.054+/-0.003 χ^2/NDF: 6616611.3/56

In: 21.347+/-0.003 χ^2/NDF:3562922.5/48

Out: 21.622+/-0.003 χ^2/NDF:6107803.2/55

All: 21.485+/-0.002 χ^2/NDF: 9675683.5/104



Right In: 0.007+/-0.006 χ^2/NDF: 31.3/25

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

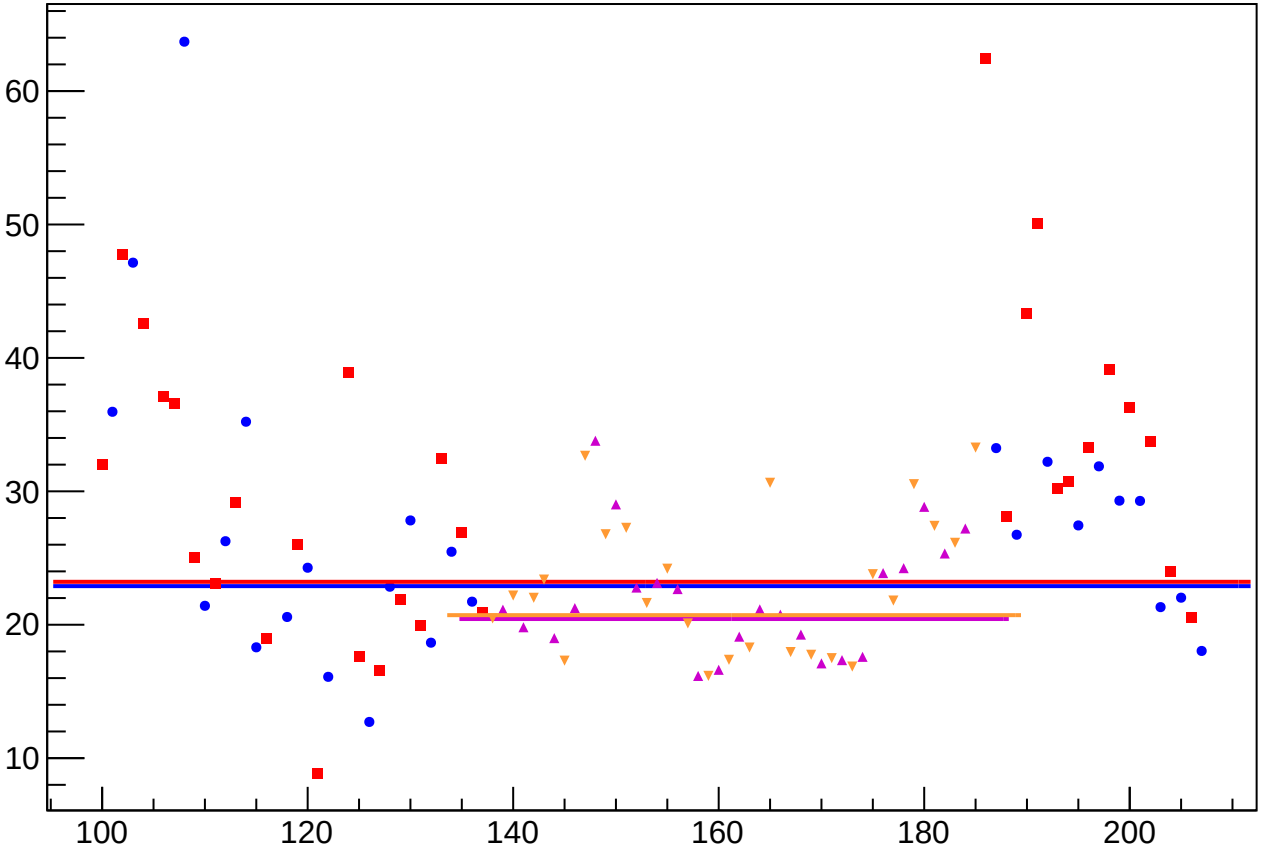
Right: -0.001+/-0.005 χ^2/NDF: 54.7/56

In: 0.002+/-0.004 χ^2/NDF:49.9/48

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 124.9/104

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.894+/-0.005 χ^2/NDF: 2203176.6/25

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

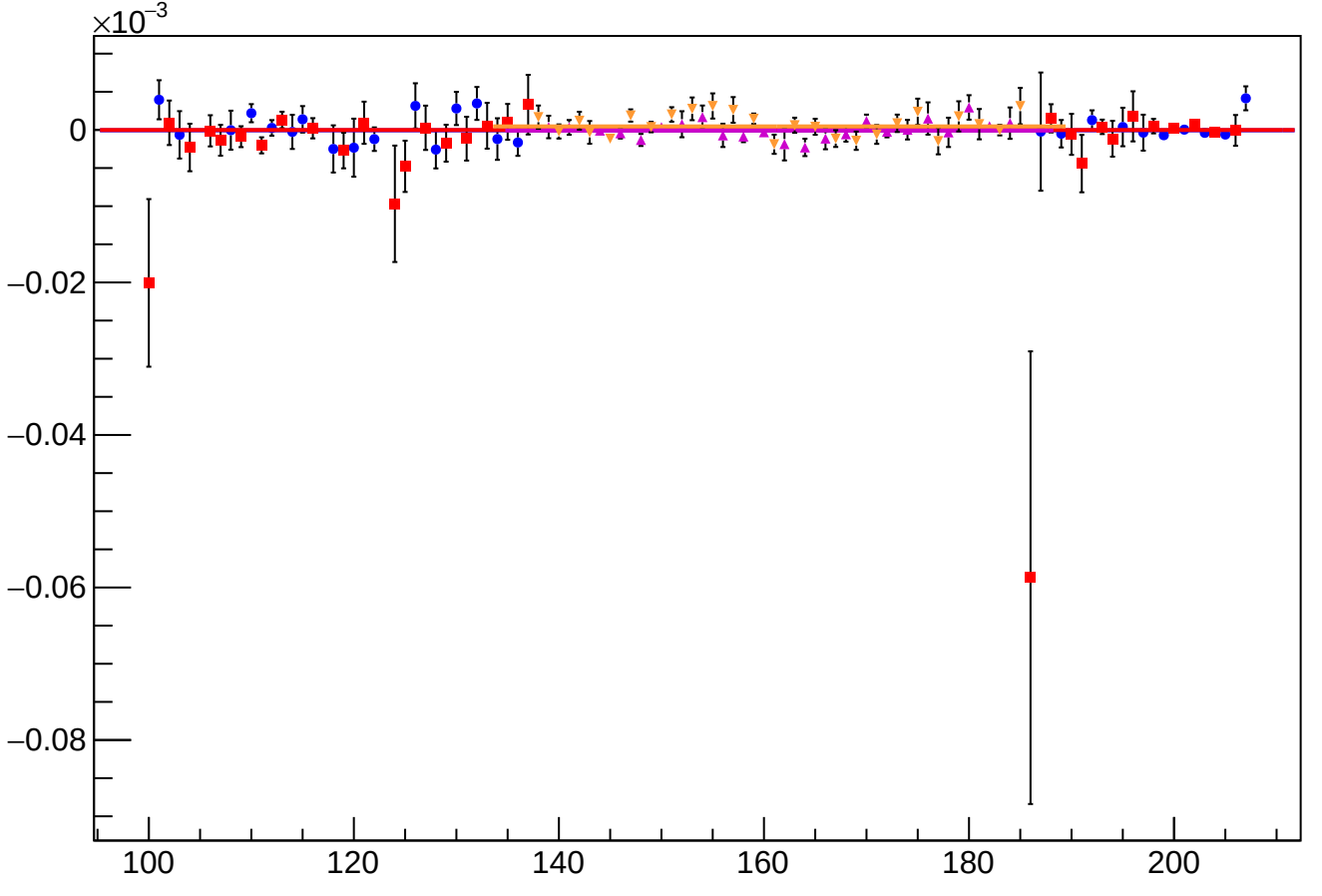
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.054+/-0.003 χ^2/NDF: 6616611.3/56

In: 21.347+/-0.003 χ^2/NDF:3562922.5/48

Out: 21.622+/-0.003 χ^2/NDF:6107803.2/55

All: 21.485+/-0.002 χ^2/NDF: 9675683.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/25

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

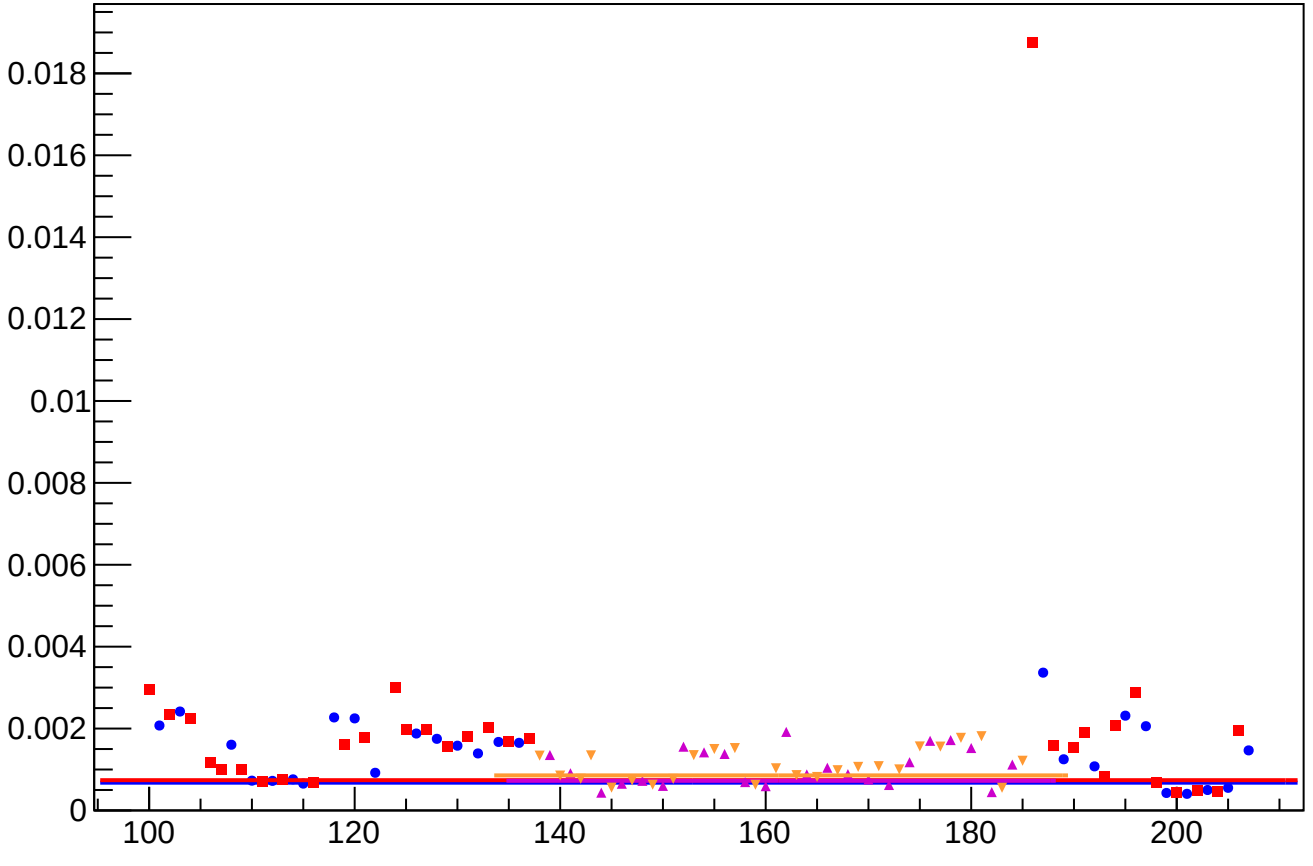
Right: -0.000+/-0.000 χ^2/NDF: 53.3/56

In: -0.000+/-0.000 χ^2/NDF:47.0/48

Out: 0.000+/-0.000 χ^2/NDF:64.9/55

All: 0.000+/-0.000 χ^2/NDF: 114.1/104

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8834702.2/25

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

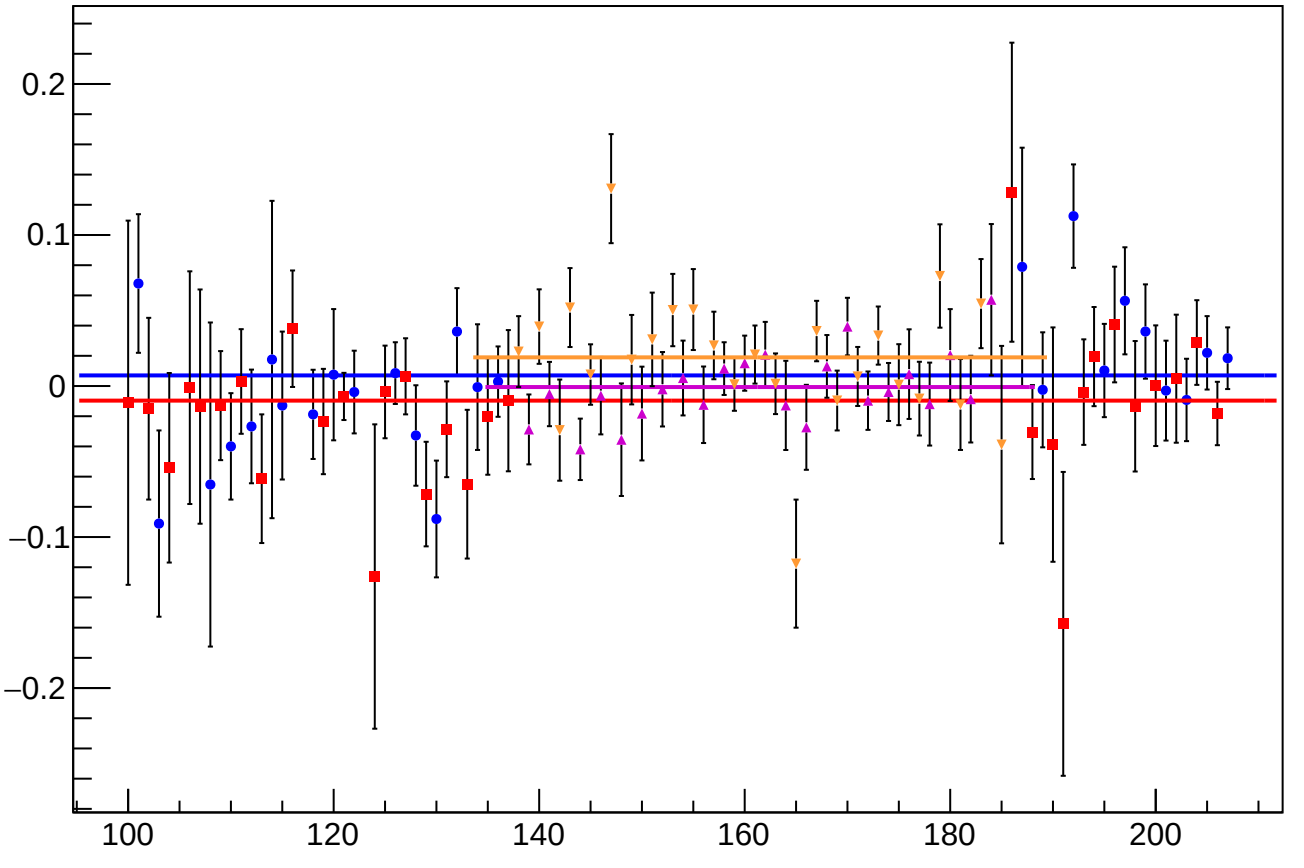
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 18451067.6/56

In: 0.001+/-0.000 χ^2/NDF:14693472.8/48

Out: 0.001+/-0.000 χ^2/NDF:14262948.0/55

All: 0.001+/-0.000 χ^2/NDF: 29381496.4/104



Right In: 0.007+/-0.006 χ^2/NDF: 31.3/25

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

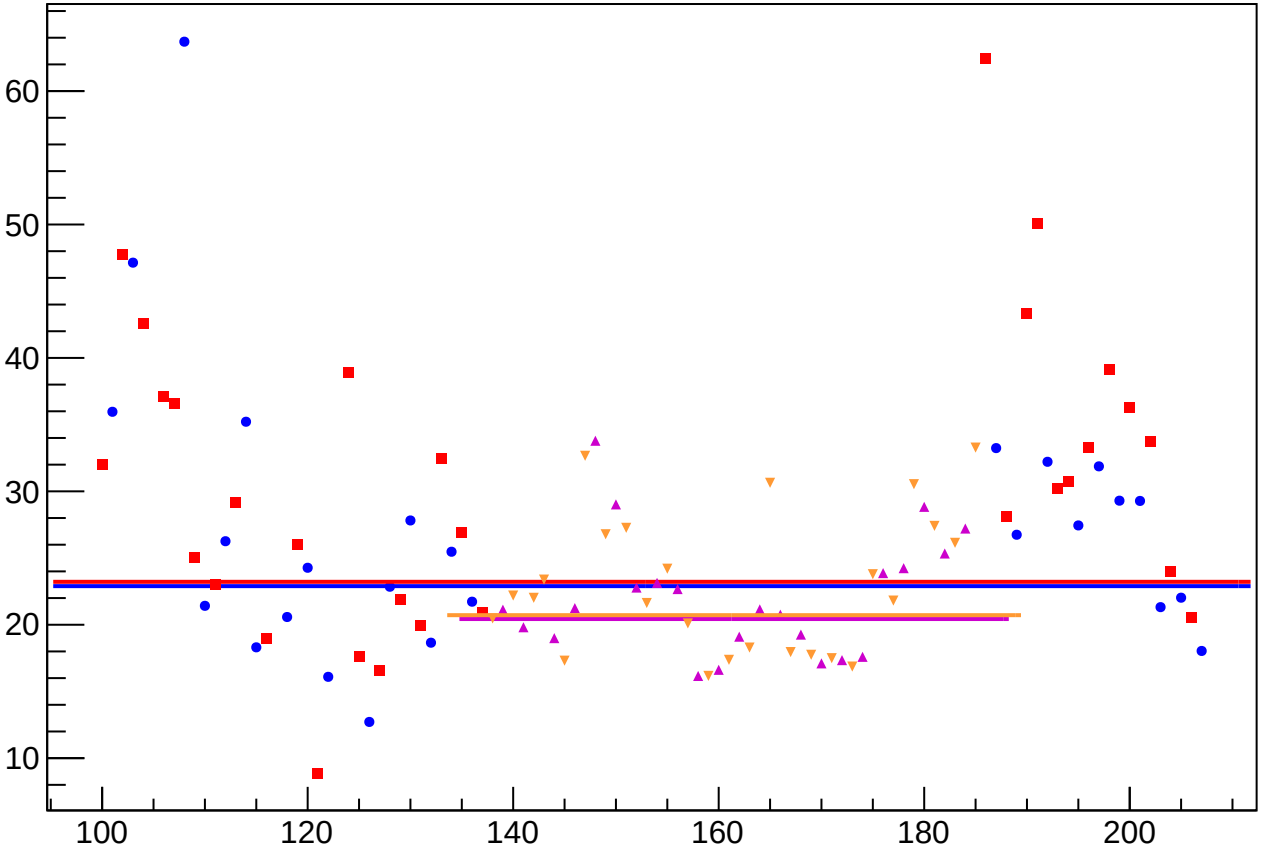
Right: -0.001+/-0.005 χ^2/NDF: 54.7/56

In: 0.002+/-0.004 χ^2/NDF:49.9/48

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 124.9/104

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.894+/-0.005 χ^2/NDF: 2202972.7/25

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

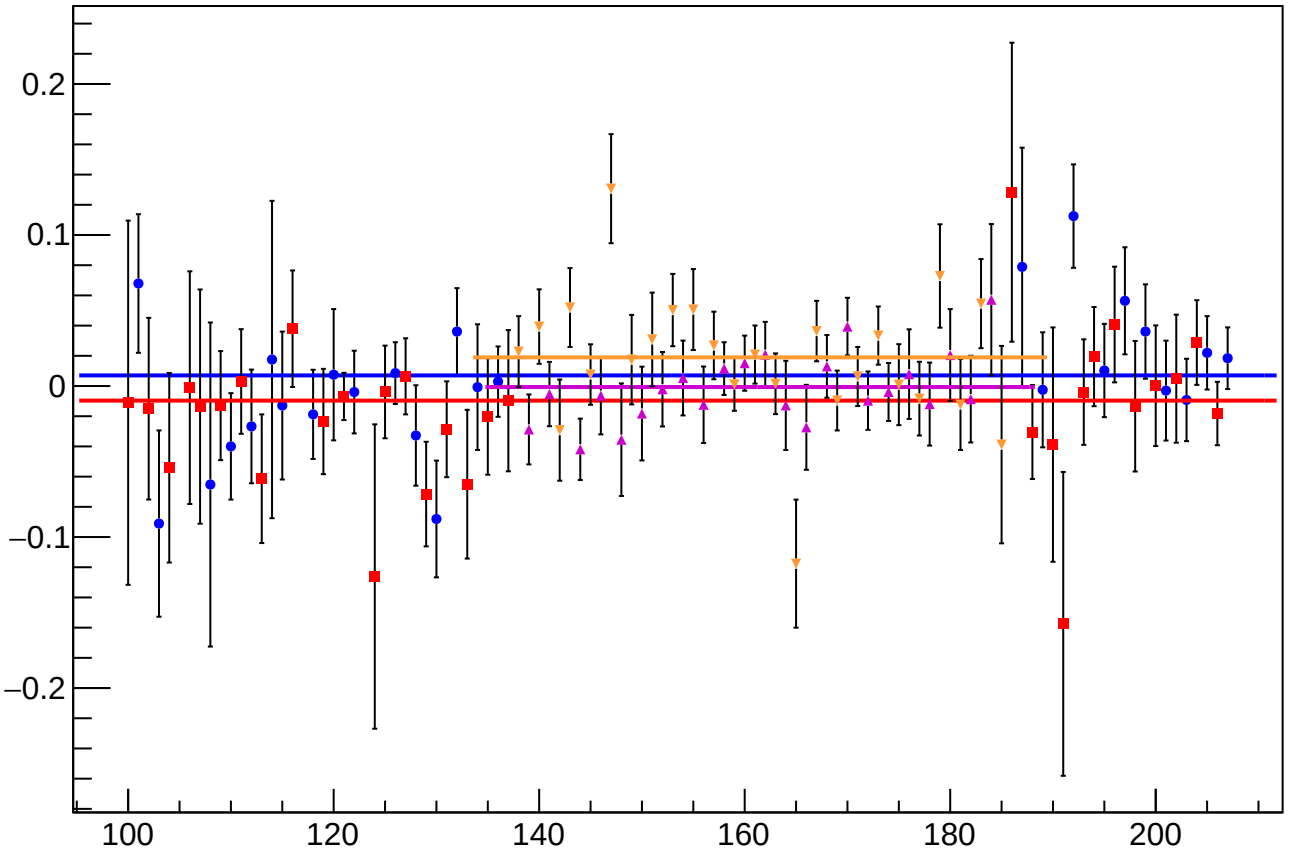
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.055+/-0.003 χ^2/NDF: 6615829.5/56

In: 21.347+/-0.003 χ^2/NDF:3562805.3/48

Out: 21.622+/-0.003 χ^2/NDF:6107412.0/55

All: 21.485+/-0.002 χ^2/NDF: 9675175.9/104



Right In: 0.007+/-0.006 χ^2/NDF: 31.3/25

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

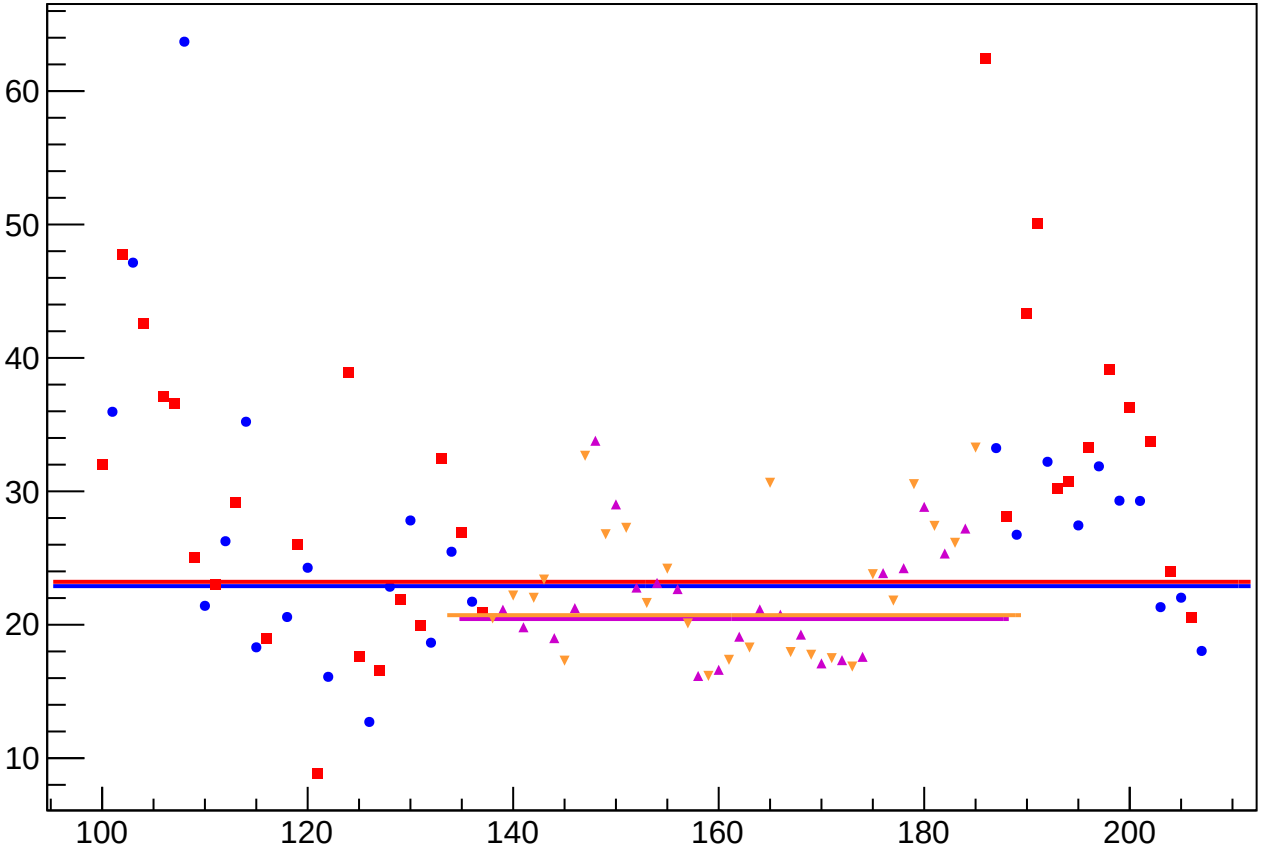
Right: -0.001+/-0.005 χ^2/NDF: 54.7/56

In: 0.002+/-0.004 χ^2/NDF:49.9/48

Out: 0.009+/-0.004 χ^2/NDF:73.6/55

All: 0.005+/-0.003 χ^2/NDF: 124.9/104

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.894+/-0.005 χ^2/NDF: 2202972.7/25

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

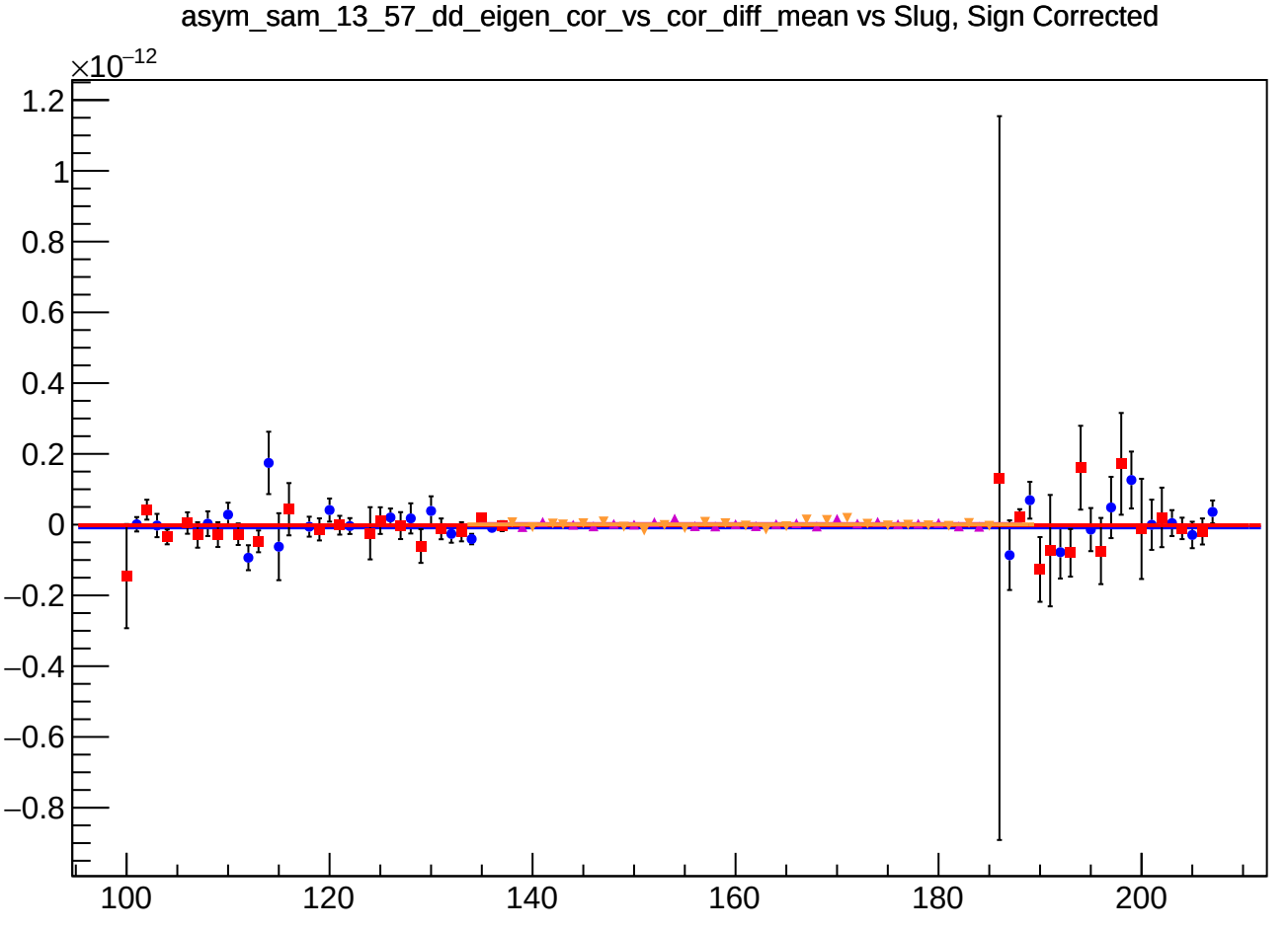
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.055+/-0.003 χ^2/NDF: 6615829.5/56

In: 21.347+/-0.003 χ^2/NDF:3562805.3/48

Out: 21.622+/-0.003 χ^2/NDF:6107412.0/55

All: 21.485+/-0.002 χ^2/NDF: 9675175.9/104



Right In: -0.000+/-0.000 χ^2/NDF: 31.8/25

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

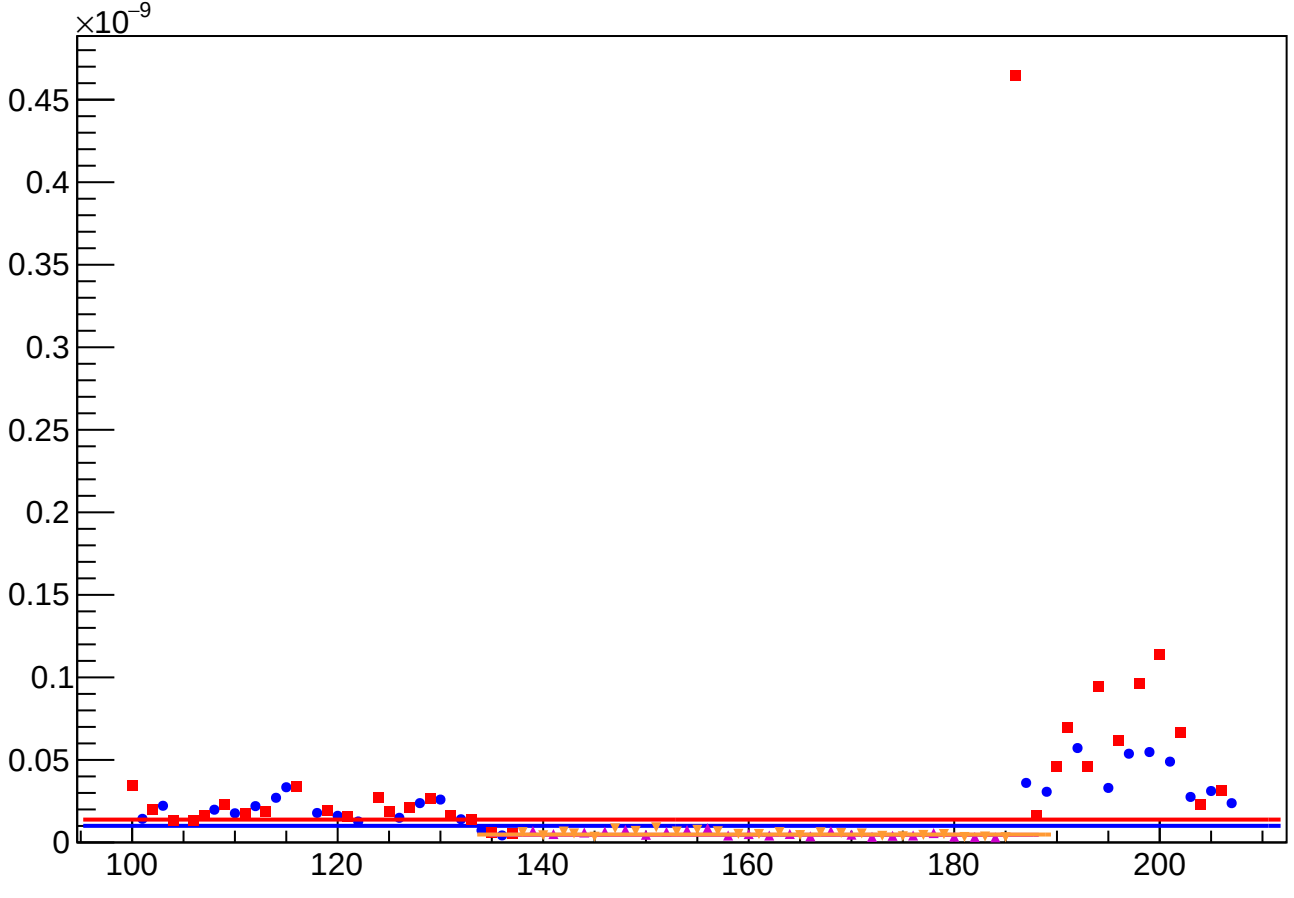
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 58.3/56

In: 0.000+/-0.000 χ^2/NDF:56.6/48

Out: 0.000+/-0.000 χ^2/NDF:54.9/55

All: 0.000+/-0.000 χ^2/NDF: 111.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 8757289.4/25

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

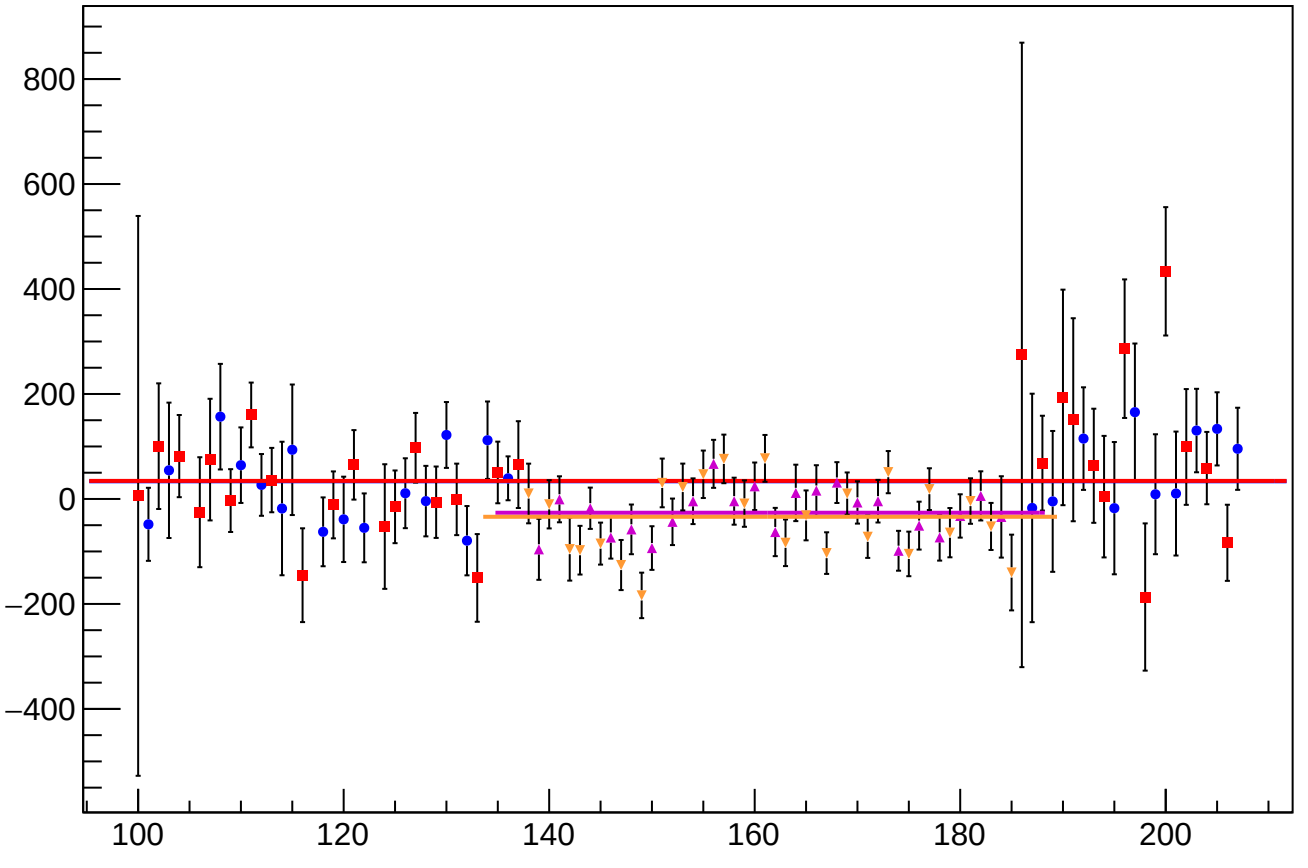
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 18186257.5/56

In: 0.000+/-0.000 χ^2/NDF:13562145.4/48

Out: 0.000+/-0.000 χ^2/NDF:16419208.7/55

All: 0.000+/-0.000 χ^2/NDF: 30016383.0/104



Right In: 33.641+/-15.330 χ^2/NDF: 21.0/25

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

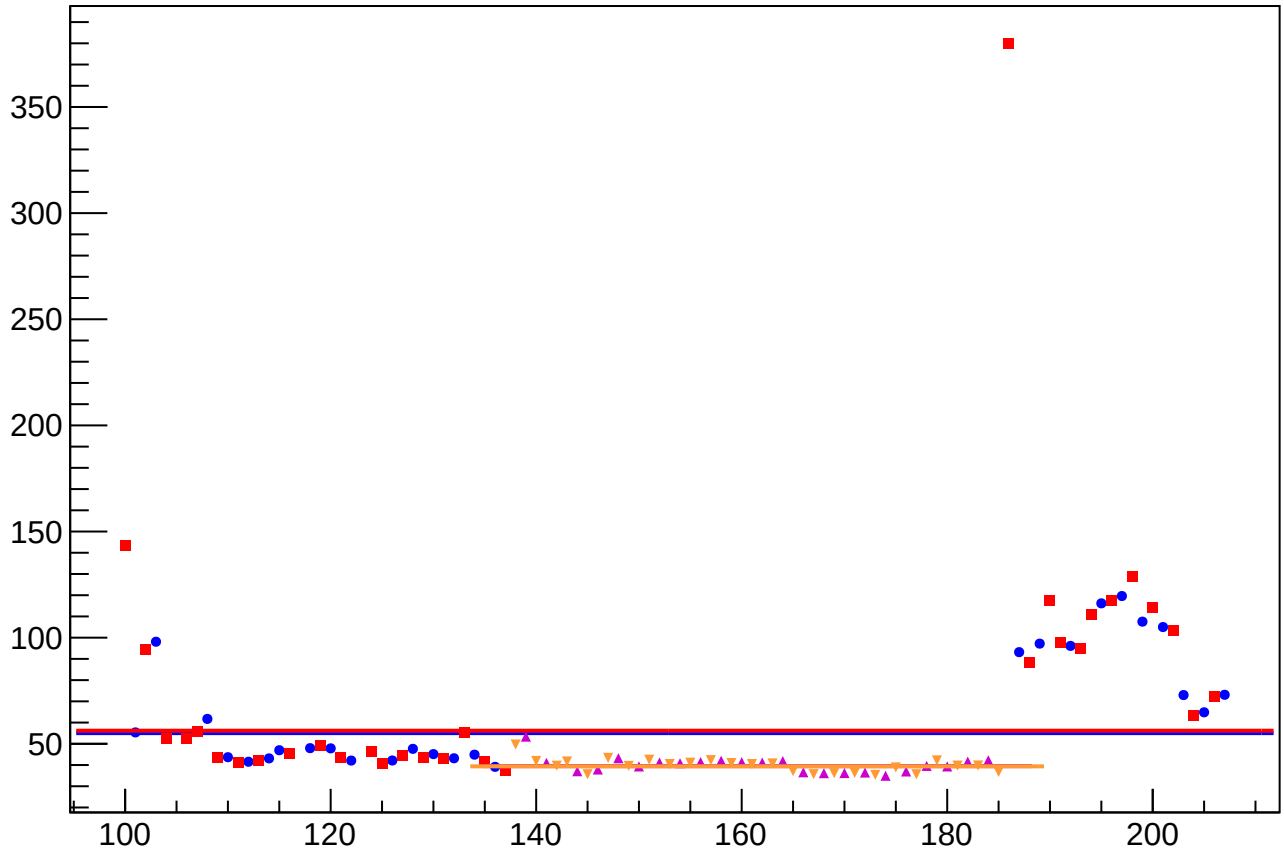
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 34.029+/-10.799 χ^2/NDF: 60.5/56

In: -10.222+/-7.933 χ^2/NDF:54.7/48

Out: -16.252+/-7.742 χ^2/NDF:113.1/55

All: -13.311+/-5.541 χ^2/NDF: 168.1/104



Right In: 55.033+/-0.011 χ^2/NDF: 3668727.2/25

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

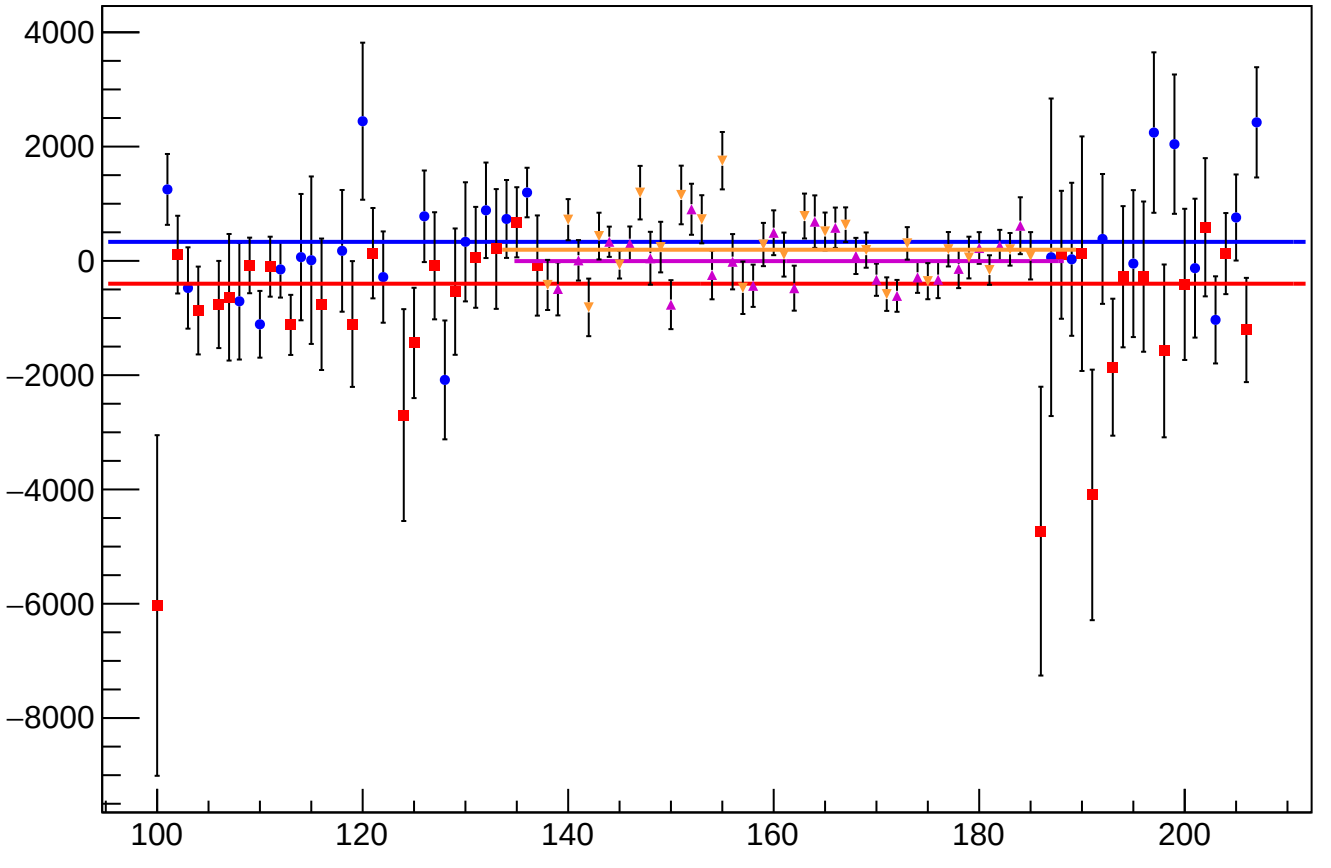
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.603+/-0.008 χ^2/NDF: 8643611.2/56

In: 43.653+/-0.006 χ^2/NDF:5425657.4/48

Out: 43.728+/-0.005 χ^2/NDF:7001587.6/55

All: 43.692+/-0.004 χ^2/NDF: 12427336.7/104



Right In: 332.754+/-163.011 χ^2/NDF: 37.5/25

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

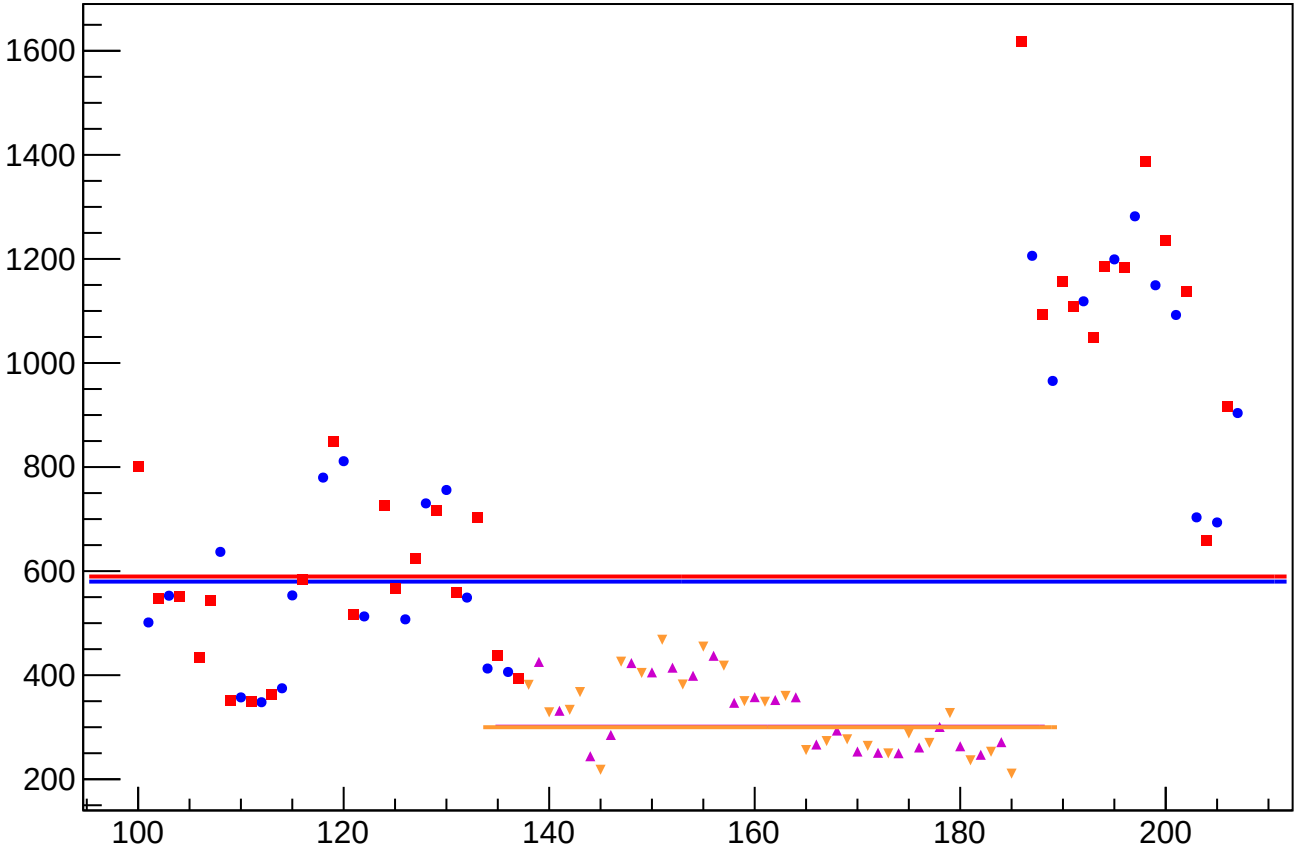
Right: -39.166+/-114.351 χ^2/NDF: 72.9/56

In: 50.936+/-65.847 χ^2/NDF:73.4/48

Out: 99.754+/-64.232 χ^2/NDF:85.3/55

All: 75.951+/-45.979 χ^2/NDF: 159.0/104

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 579.862+/-0.115 χ^2/NDF: 4340446.1/25

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

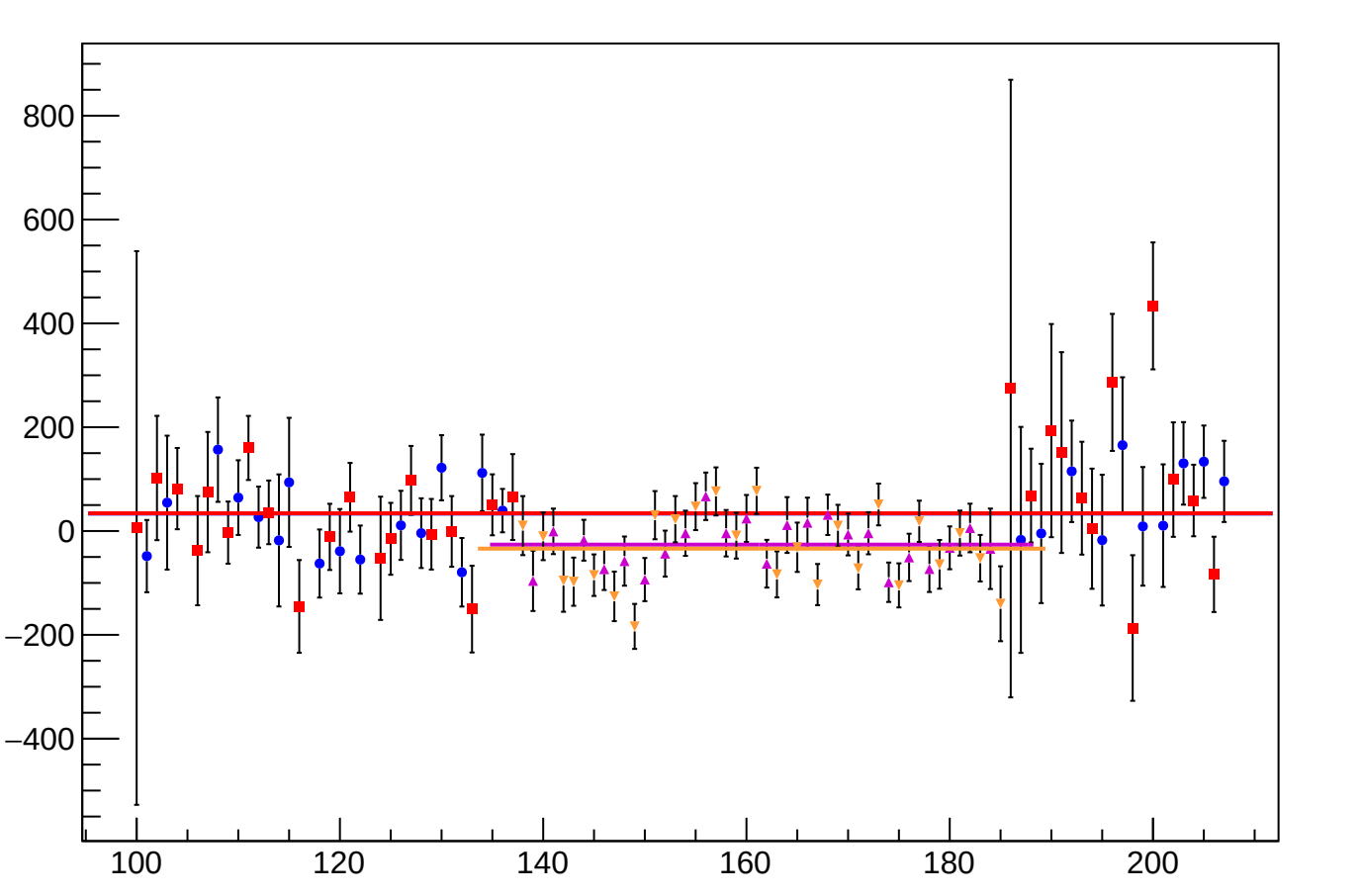
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

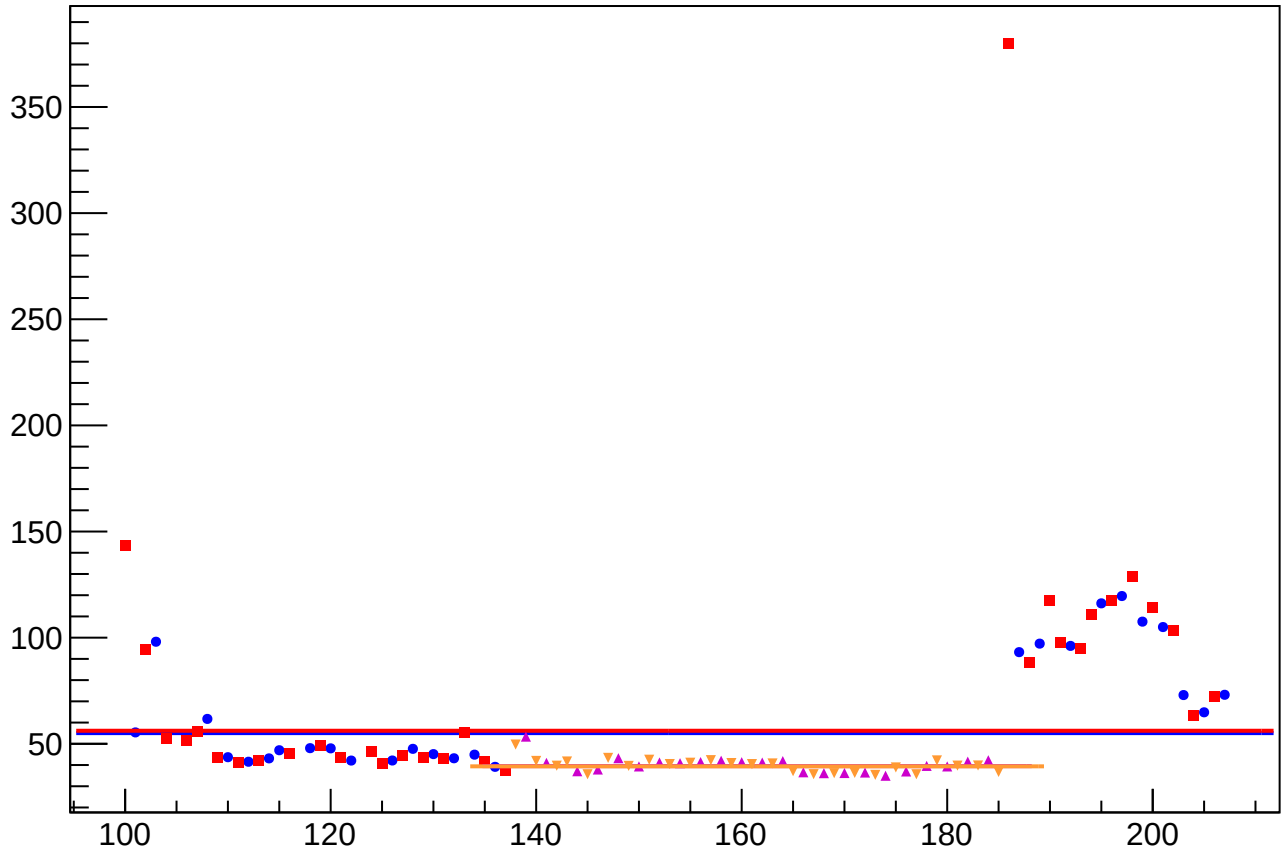
Right: 584.818+/-0.081 χ^2/NDF: 10028630.3/56

In: 346.502+/-0.047 χ^2/NDF:10645616.2/48

Out: 346.392+/-0.045 χ^2/NDF:12965817.2/55

All: 346.445+/-0.033 χ^2/NDF: 23611436.2/10


cor_asym_sam_15_37_dd_mean vs Slug, Sign Corrected
800
600
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 33.646+/-15.330 χ²/NDF: 21.0/25
Left Out: -33.955+/-8.993 χ²/NDF:58.7/24
Right Out: 34.186+/-15.216 χ²/NDF: 39.6/30
Left In: -26.267+/-9.271 χ²/NDF:22.5/22
Left: -30.228+/-6.455 χ²/NDF: 81.6/47
Right: 33.918+/-10.799 χ²/NDF: 60.6/56
In: -10.221+/-7.933 χ²/NDF:54.7/48
Out: -16.313+/-7.742 χ²/NDF:113.2/55
All: -13.341+/-5.541 χ²/NDF: 168.2/104



Right In: 55.033+/-0.011 χ^2/NDF: 3668730.3/25

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

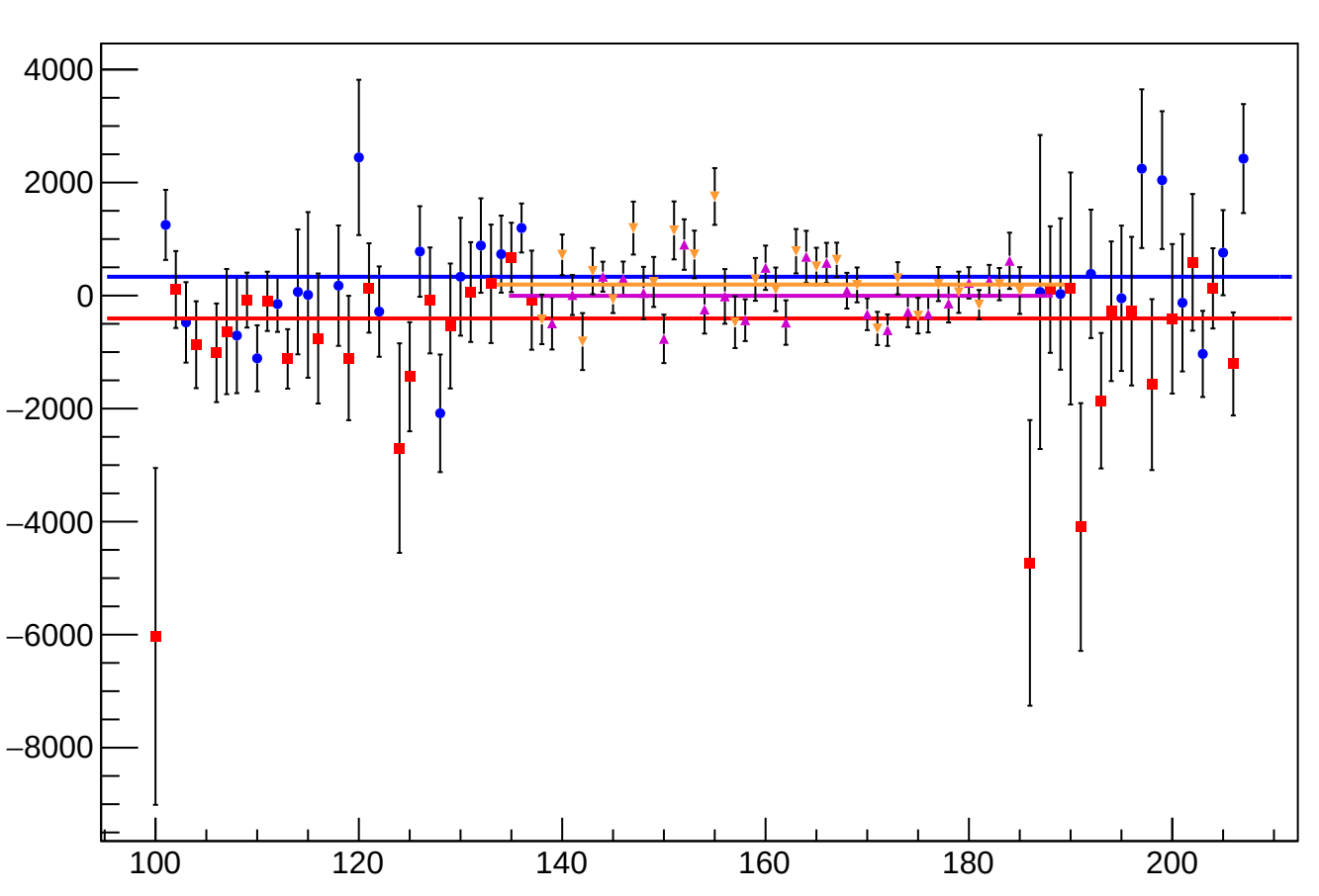
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.595+/-0.008 χ^2/NDF: 8644863.0/56

In: 43.653+/-0.006 χ^2/NDF:5425660.4/48

Out: 43.723+/-0.005 χ^2/NDF:6999223.2/55

All: 43.689+/-0.004 χ^2/NDF: 12424963.7/104



Right In: 332.757+/-163.011 χ^2/NDF: 37.5/25

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

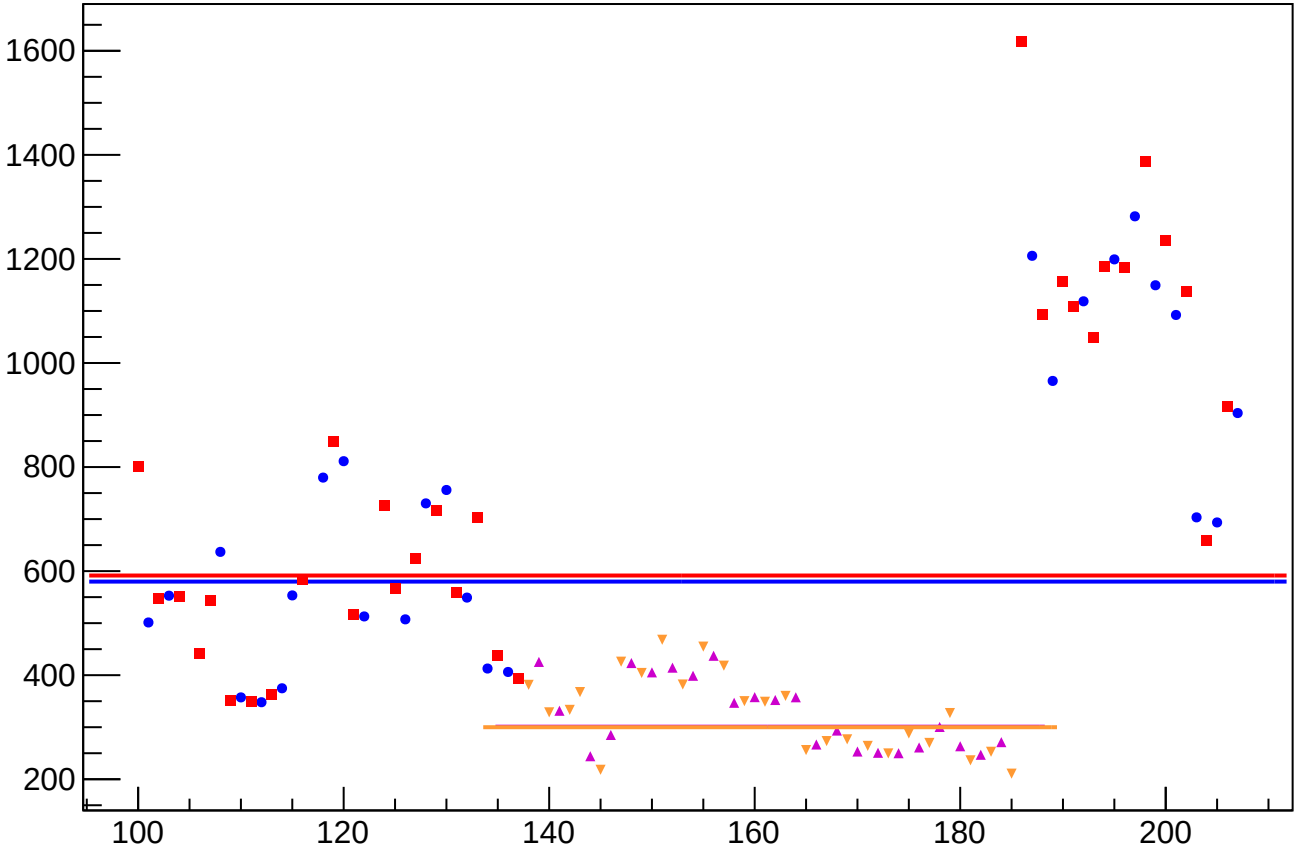
Right: -39.694+/-114.659 χ^2/NDF: 73.2/56

In: 50.936+/-65.847 χ^2/NDF:73.4/48

Out: 99.823+/-64.286 χ^2/NDF:85.7/55

All: 75.966+/-45.999 χ^2/NDF: 159.3/104

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 579.865+/-0.115 χ^2/NDF: 4340442.2/25

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

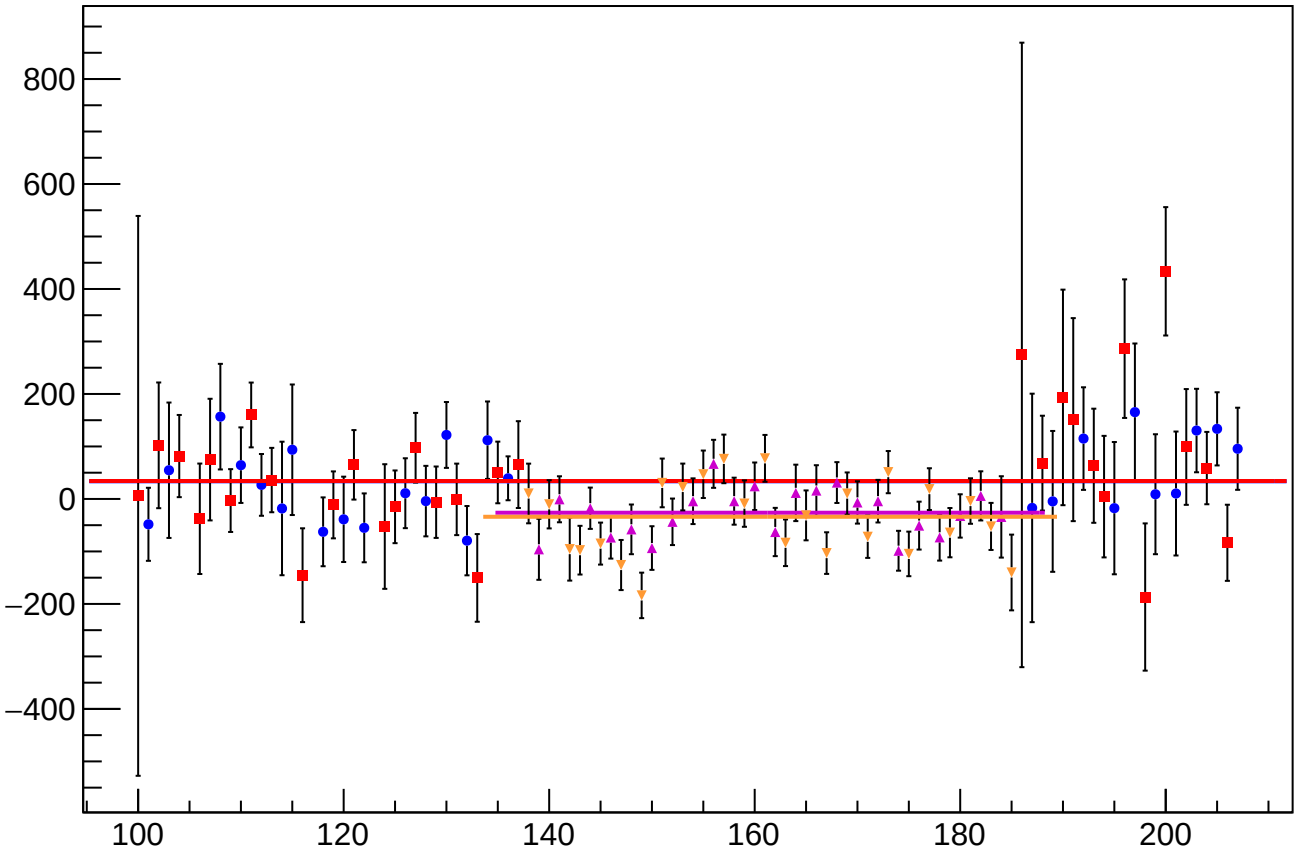
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 585.764+/-0.081 χ^2/NDF: 10004257.7/56

In: 346.502+/-0.047 χ^2/NDF:10645678.0/48

Out: 346.285+/-0.045 χ^2/NDF:12963481.4/55

All: 346.391+/-0.033 χ^2/NDF: 23609170.5/10



Right In: 33.646+/-15.330 χ^2/NDF: 21.0/25

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

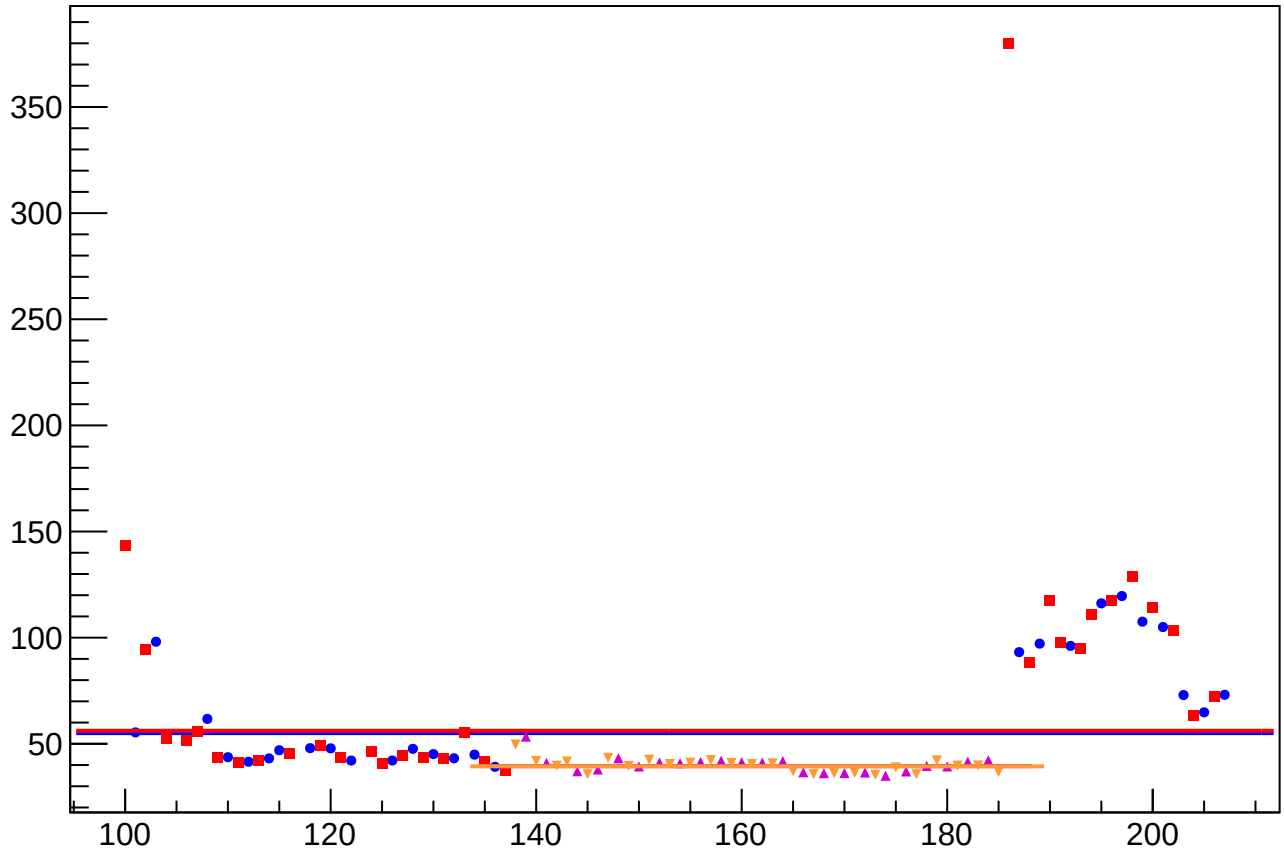
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 33.918+/-10.799 χ^2/NDF: 60.6/56

In: -10.221+/-7.933 χ^2/NDF:54.7/48

Out: -16.313+/-7.742 χ^2/NDF:113.2/55

All: -13.341+/-5.541 χ^2/NDF: 168.2/104



Right In: 55.033+/-0.011 χ^2/NDF: 3668730.3/25

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

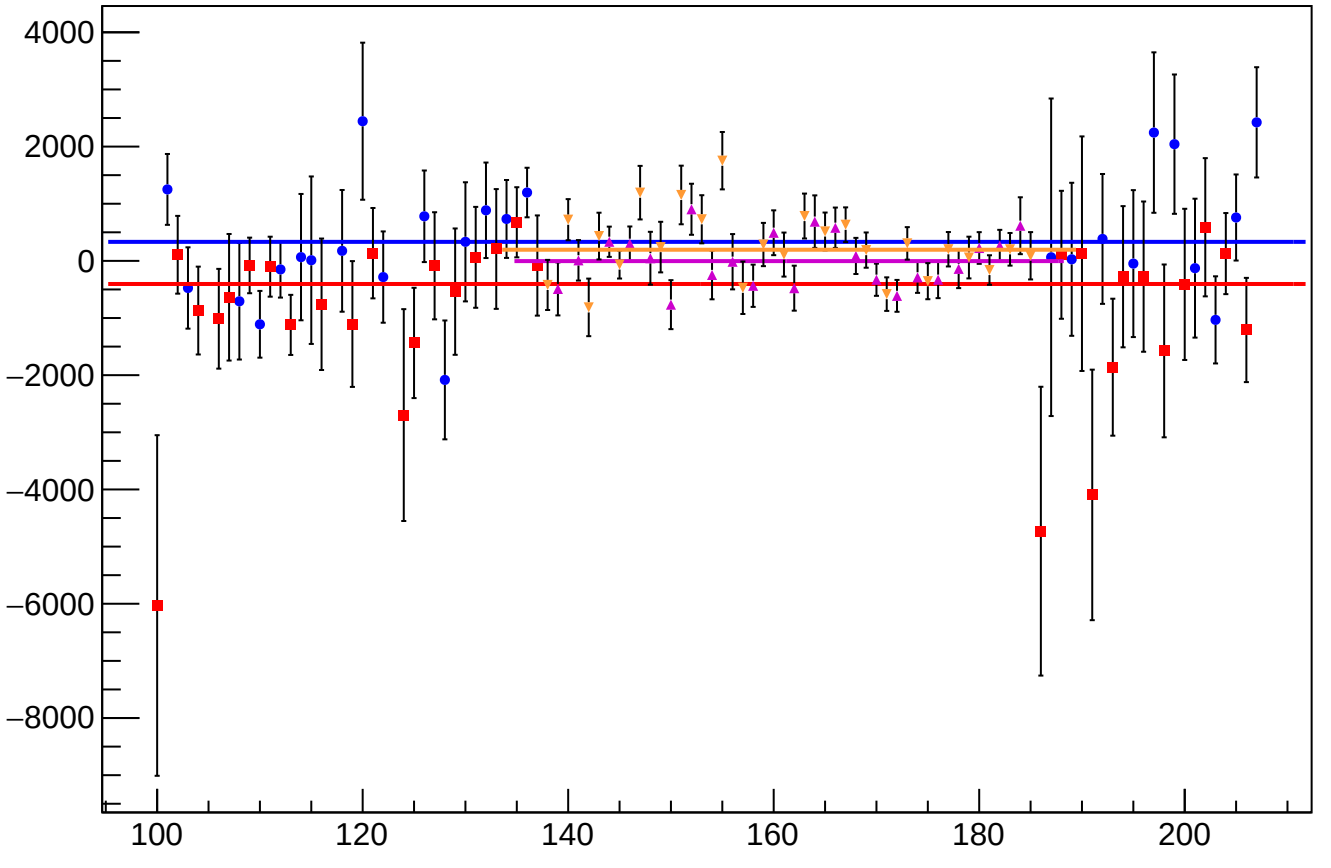
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 55.595+/-0.008 χ^2/NDF: 8644863.0/56

In: 43.653+/-0.006 χ^2/NDF:5425660.4/48

Out: 43.723+/-0.005 χ^2/NDF:6999223.2/55

All: 43.689+/-0.004 χ^2/NDF: 12424963.7/104



Right In: 332.757+/-163.011 χ^2/NDF: 37.5/25

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

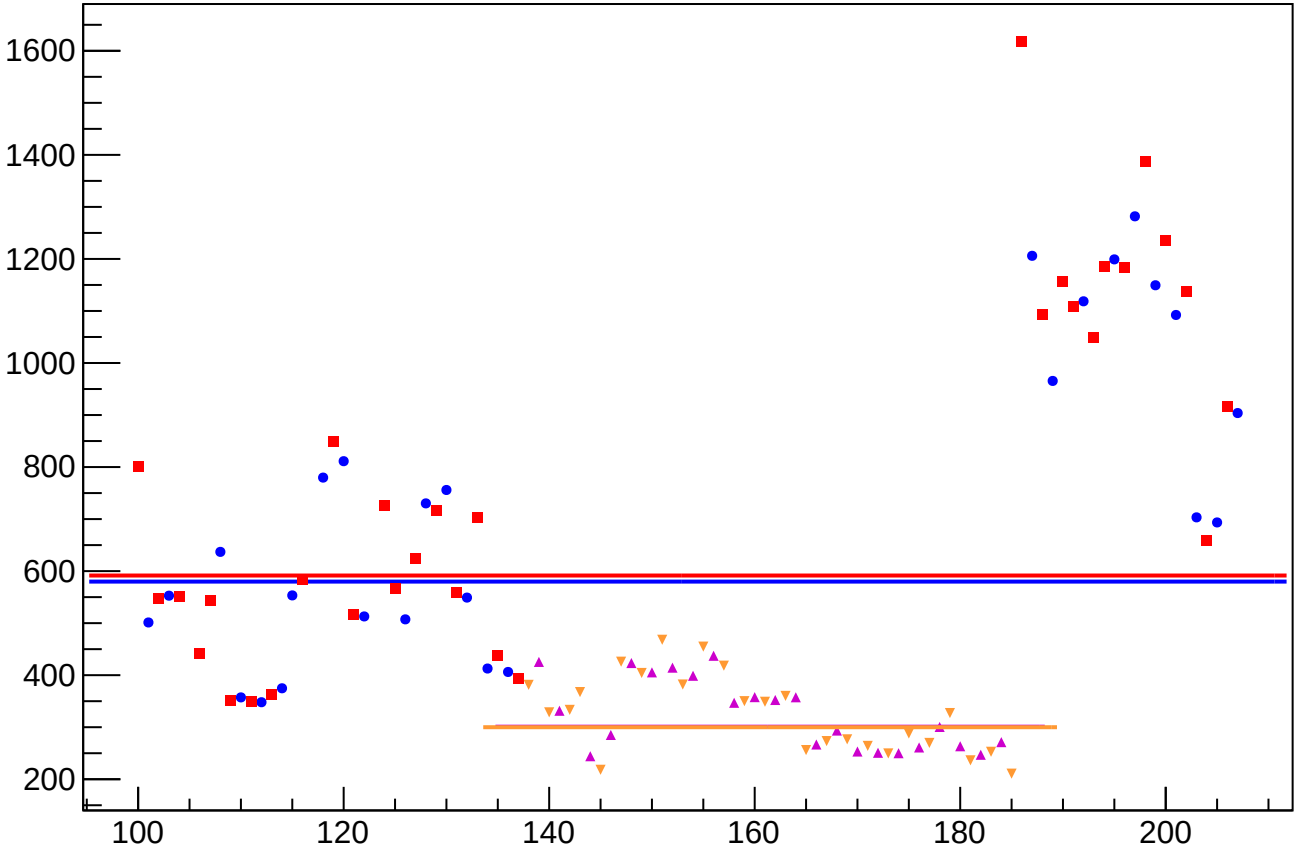
Right: -39.694+/-114.659 χ^2/NDF: 73.2/56

In: 50.936+/-65.847 χ^2/NDF:73.4/48

Out: 99.823+/-64.286 χ^2/NDF:85.7/55

All: 75.966+/-45.999 χ^2/NDF: 159.3/104

asym_sam_15_37_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 579.865+/-0.115 χ^2/NDF: 4340442.2/25

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

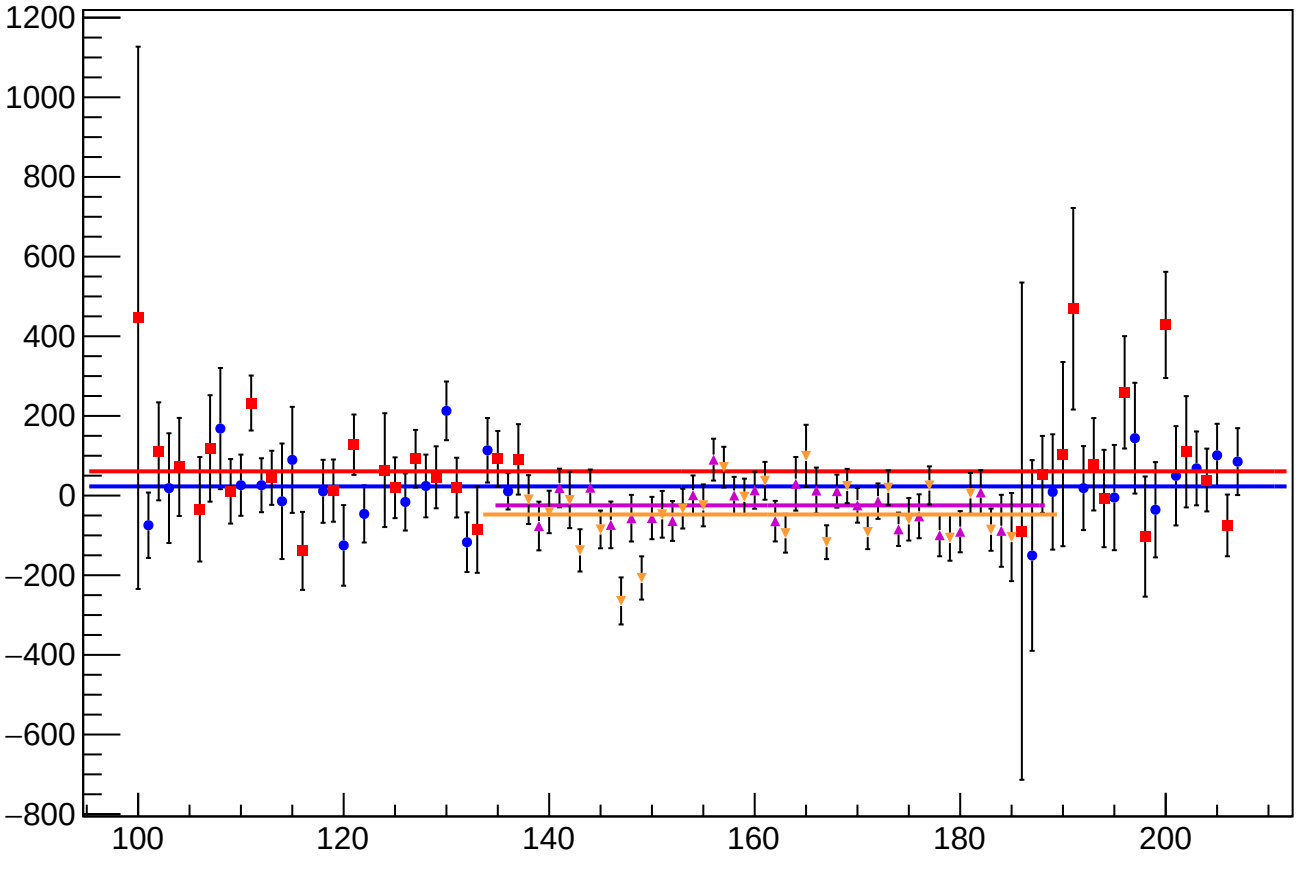
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 585.764+/-0.081 χ^2/NDF: 10004257.7/56

In: 346.502+/-0.047 χ^2/NDF:10645678.0/48

Out: 346.285+/-0.045 χ^2/NDF:12963481.4/55

All: 346.391+/-0.033 χ^2/NDF: 23609170.5/10



Right In: 23.009+/-17.267 χ^2/NDF: 20.9/25

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

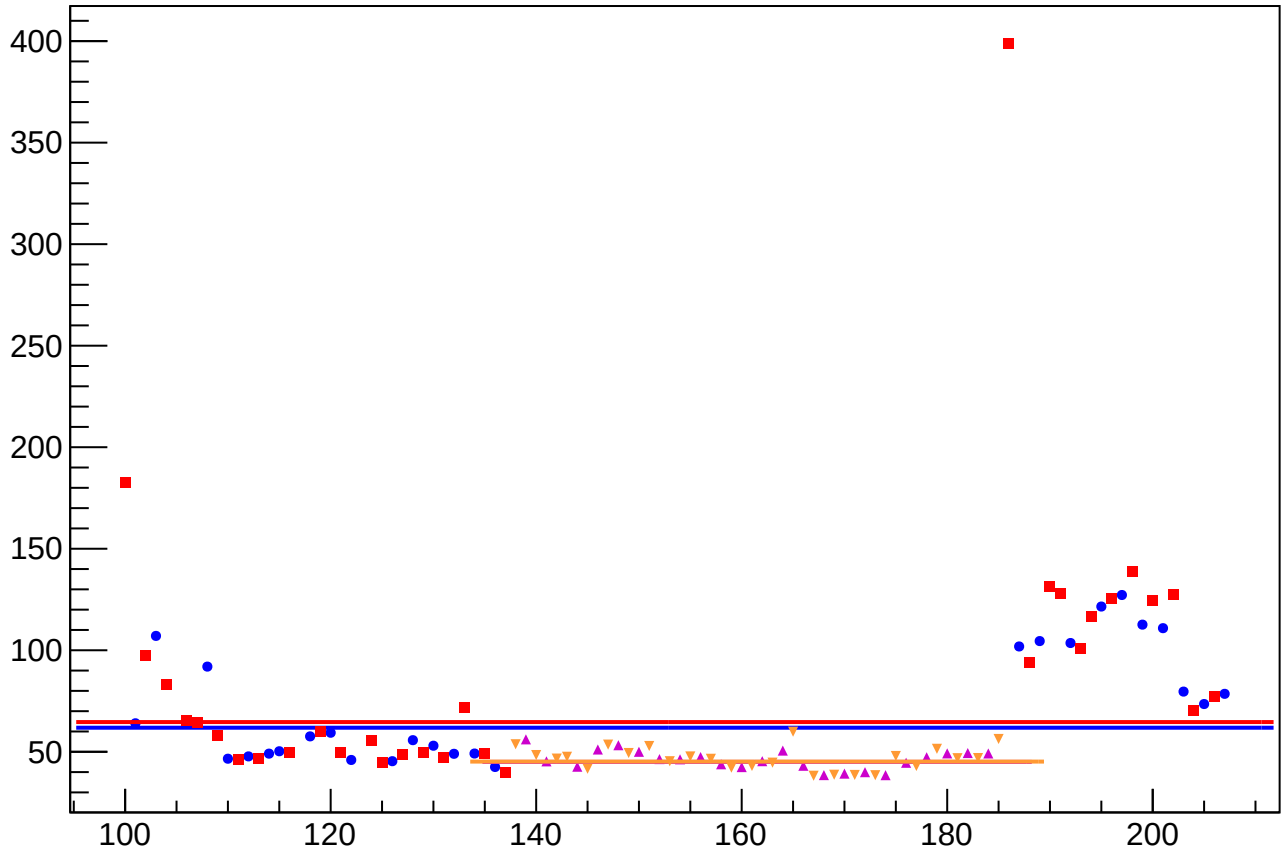
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.653+/-12.299 χ^2/NDF: 56.4/56

In: -11.525+/-9.071 χ^2/NDF:46.1/48

Out: -19.291+/-8.938 χ^2/NDF:116.1/55

All: -15.465+/-6.367 χ^2/NDF: 162.6/104



Right In: 61.859+/-0.012 χ^2/NDF: 3468647.4/25

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

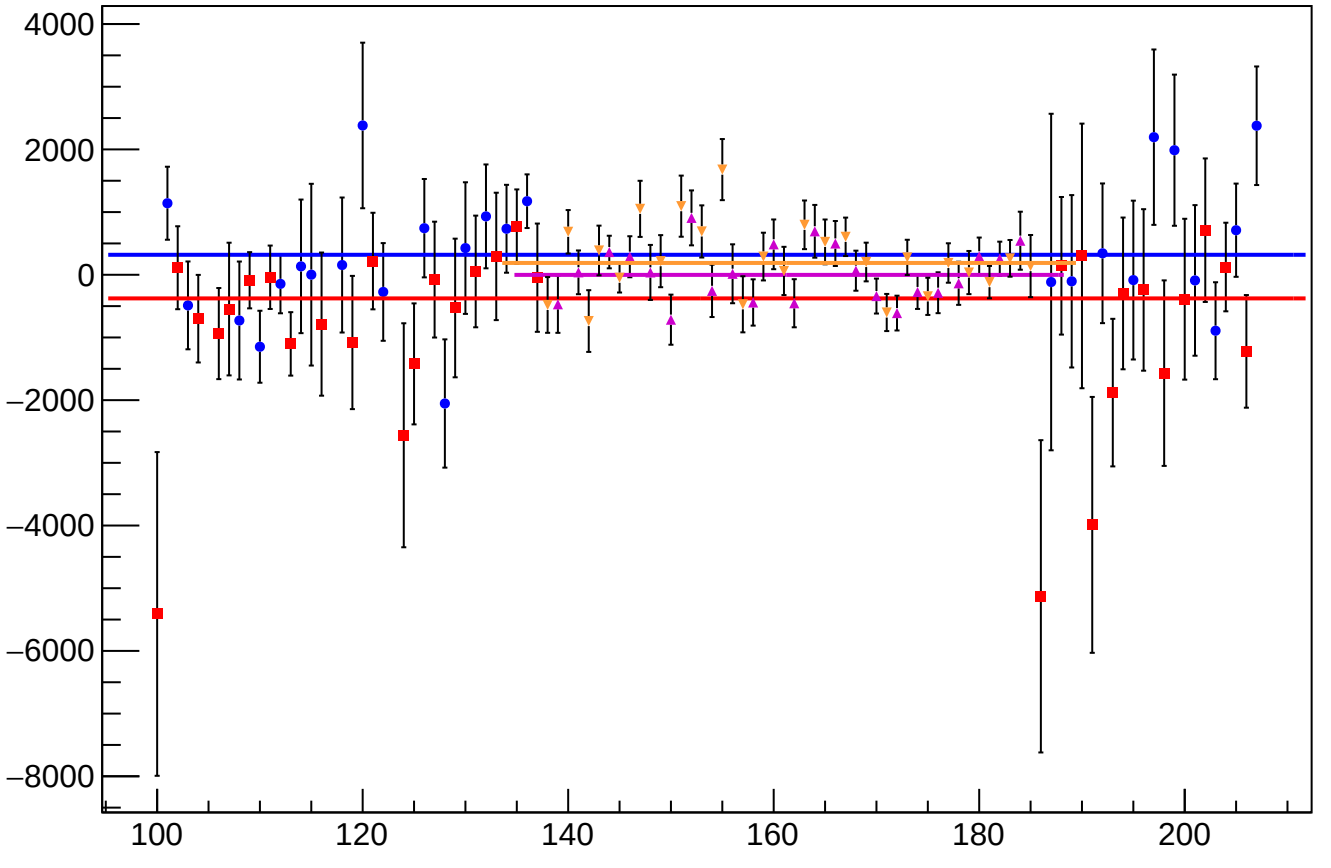
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 63.228+/-0.009 χ^2/NDF: 8196003.6/56

In: 49.665+/-0.006 χ^2/NDF:5218884.0/48

Out: 50.239+/-0.006 χ^2/NDF:7017123.7/55

All: 49.956+/-0.005 χ^2/NDF: 12240079.8/104



Right In: 318.829+/-159.812 χ^2/NDF: 37.3/25

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

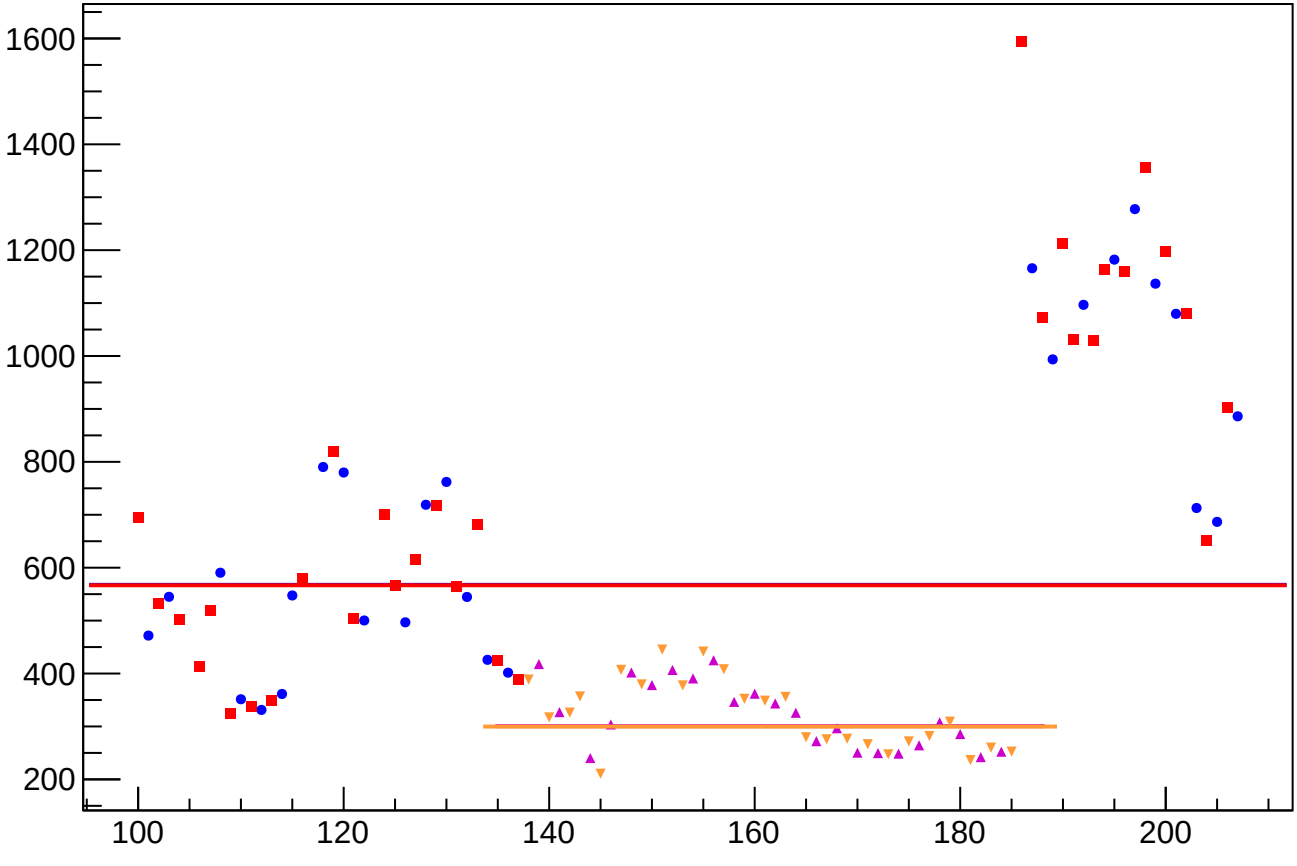
Right: -39.955+/-111.210 χ^2/NDF: 75.3/56

In: 52.061+/-65.427 χ^2/NDF:72.9/48

Out: 93.494+/-63.569 χ^2/NDF:86.1/55

All: 73.374+/-45.593 χ^2/NDF: 159.2/104

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 567.554+/-0.113 χ^2/NDF: 4474215.1/25

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

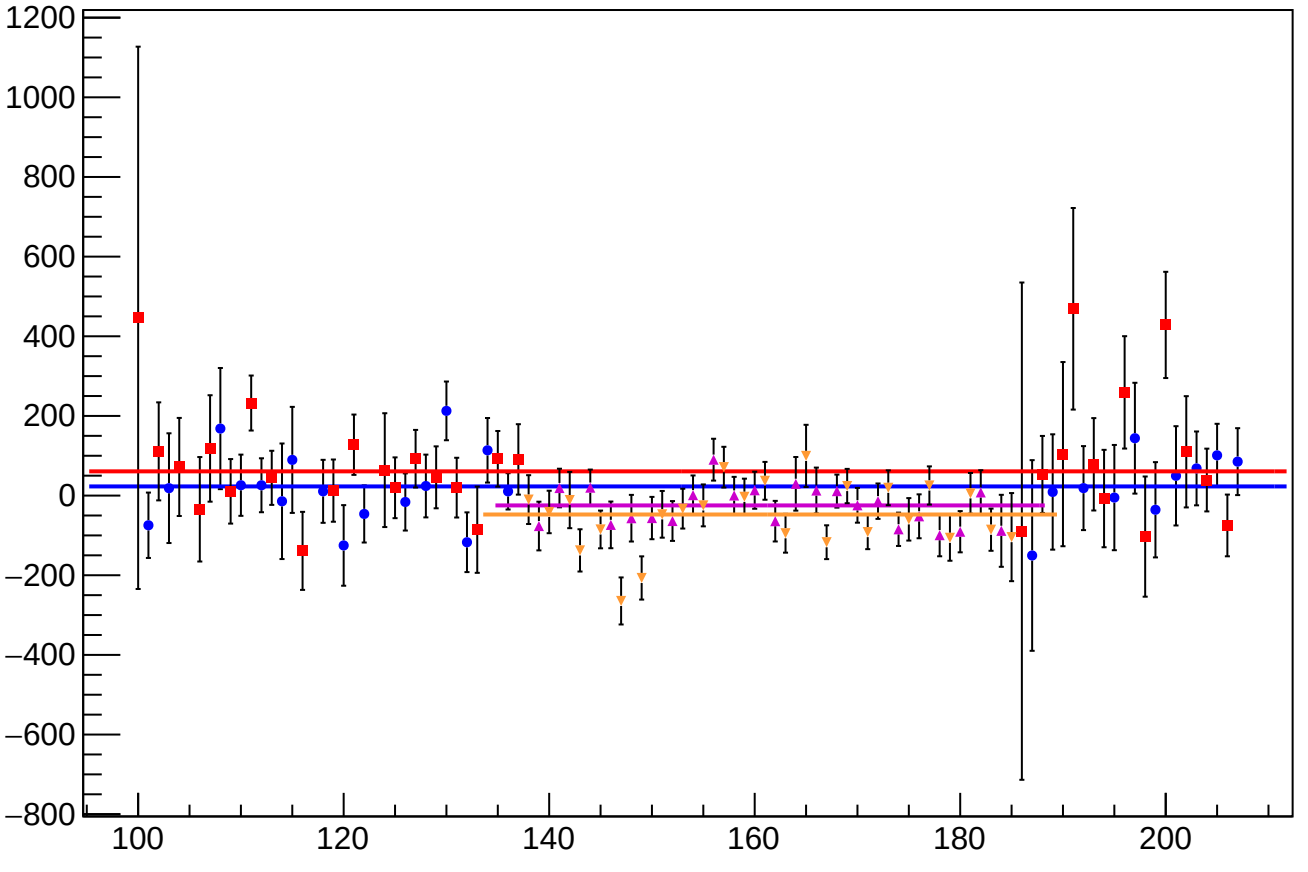
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 567.172+/-0.079 χ^2/NDF: 10401375.2/56

In: 345.297+/-0.046 χ^2/NDF:10380717.4/48

Out: 344.794+/-0.045 χ^2/NDF:12448846.1/55

All: 345.039+/-0.032 χ^2/NDF: 22829624.4/10



Right In: 23.009+/-17.267 χ^2/NDF: 20.9/25

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

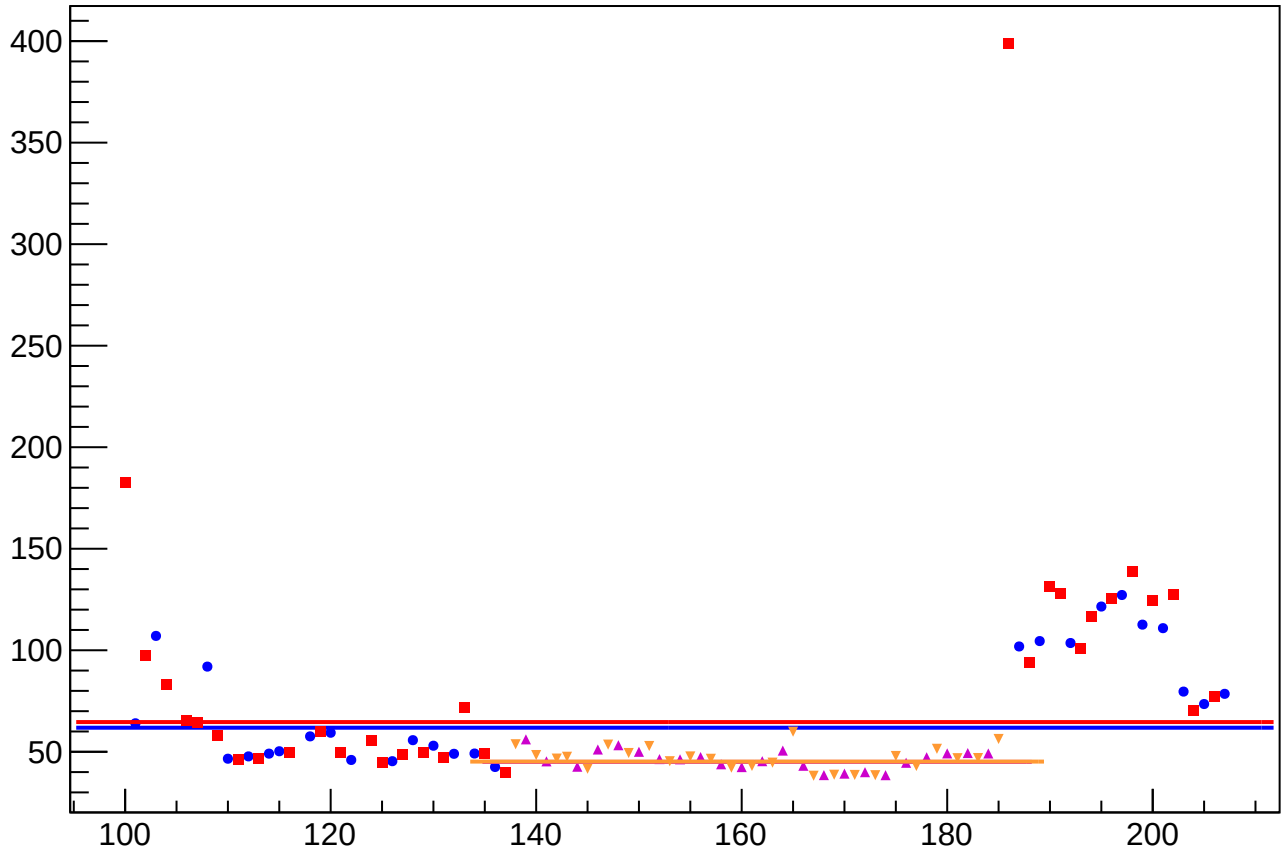
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 41.654+/-12.299 χ^2/NDF: 56.4/56

In: -11.525+/-9.071 χ^2/NDF:46.1/48

Out: -19.292+/-8.938 χ^2/NDF:116.1/55

All: -15.465+/-6.367 χ^2/NDF: 162.6/104



Right In: 61.859+/-0.012 χ^2/NDF: 3468653.1/25

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

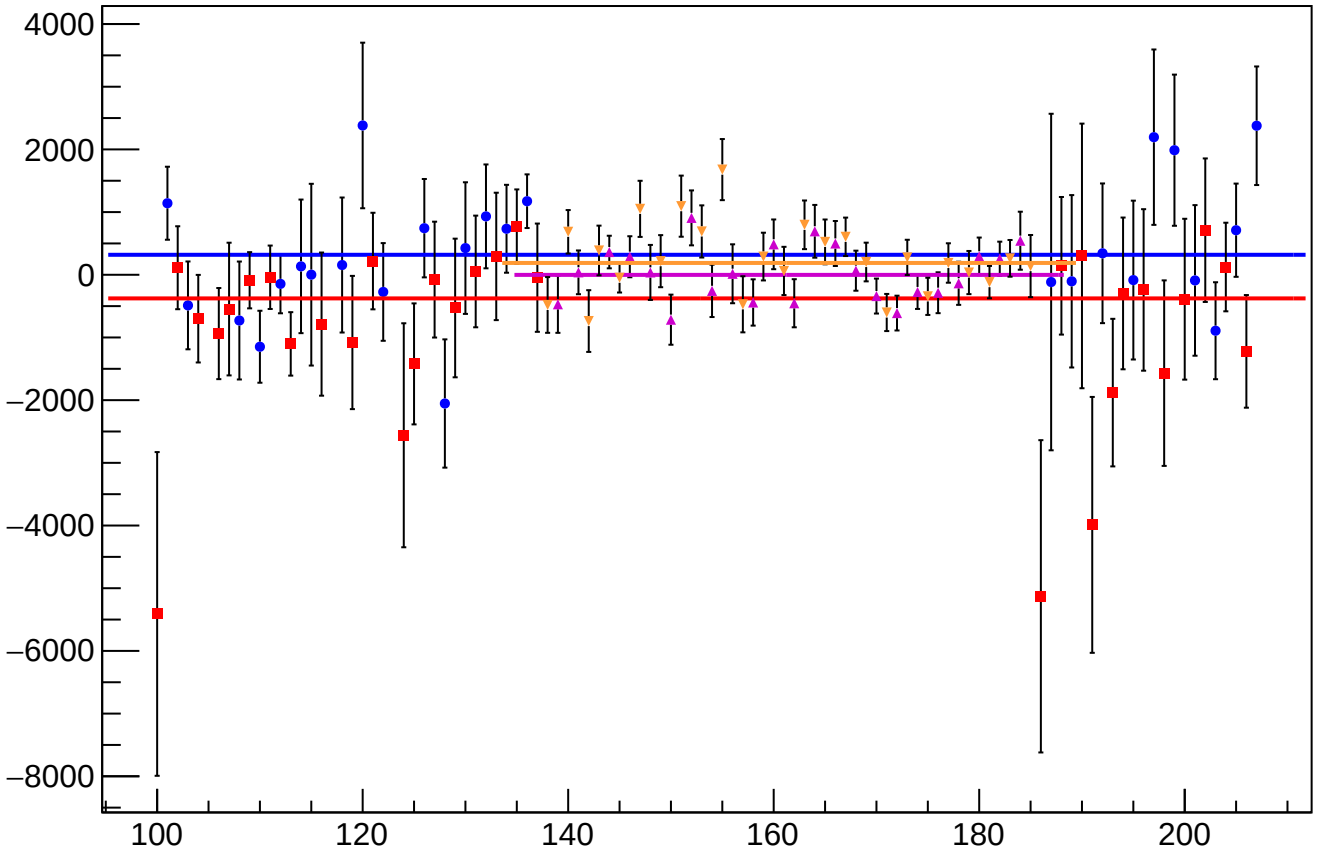
Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

Right: 63.228+/-0.009 χ^2/NDF: 8196014.2/56

In: 49.665+/-0.006 χ^2/NDF:5218887.1/48

Out: 50.239+/-0.006 χ^2/NDF:7017137.3/55

All: 49.956+/-0.005 χ^2/NDF: 12240096.1/104



Right In: 318.828+/-159.812 χ^2/NDF: 37.3/25

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

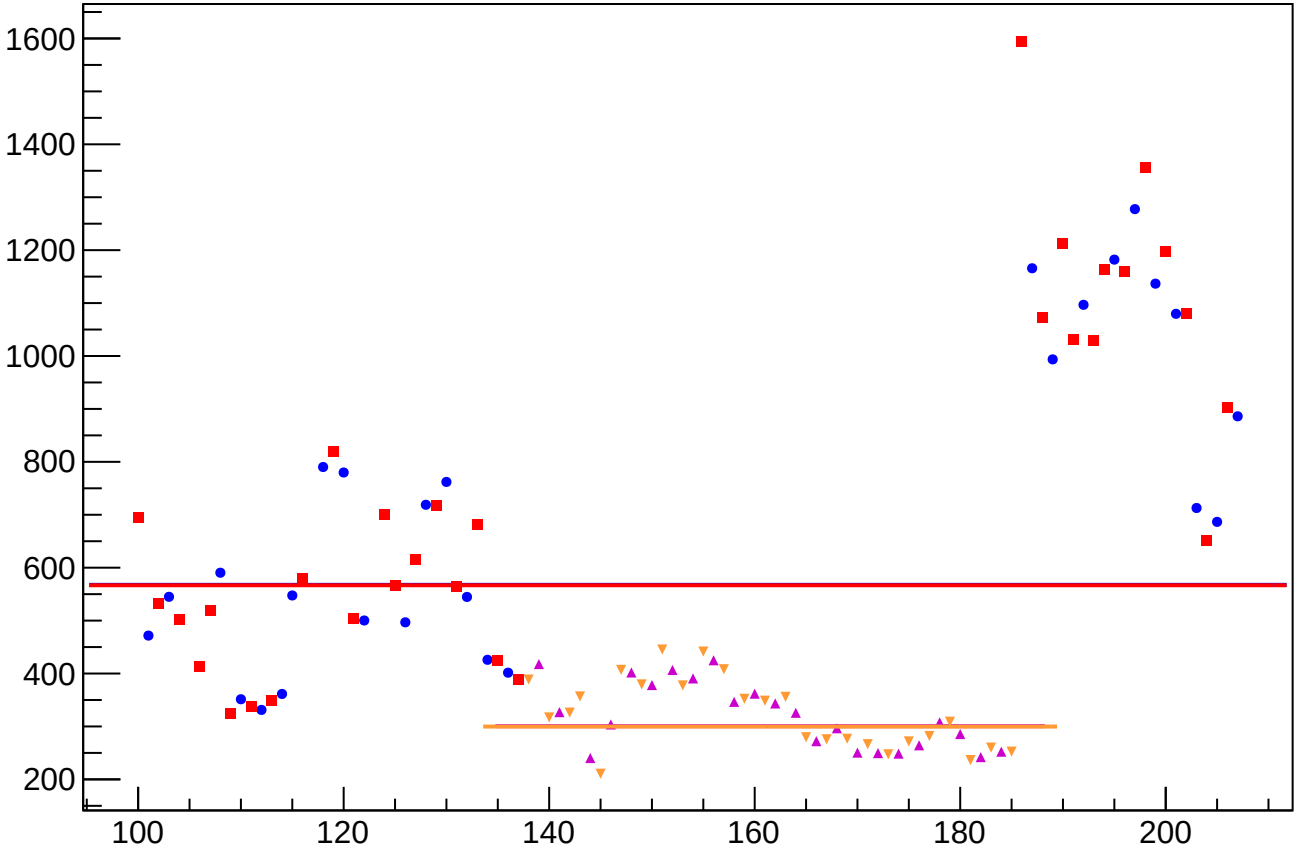
Right: -39.955+/-111.210 χ^2/NDF: 75.3/56

In: 52.062+/-65.427 χ^2/NDF:72.9/48

Out: 93.493+/-63.569 χ^2/NDF:86.1/55

All: 73.374+/-45.593 χ^2/NDF: 159.2/104

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 567.553+/-0.113 χ^2/NDF: 4474227.5/25

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

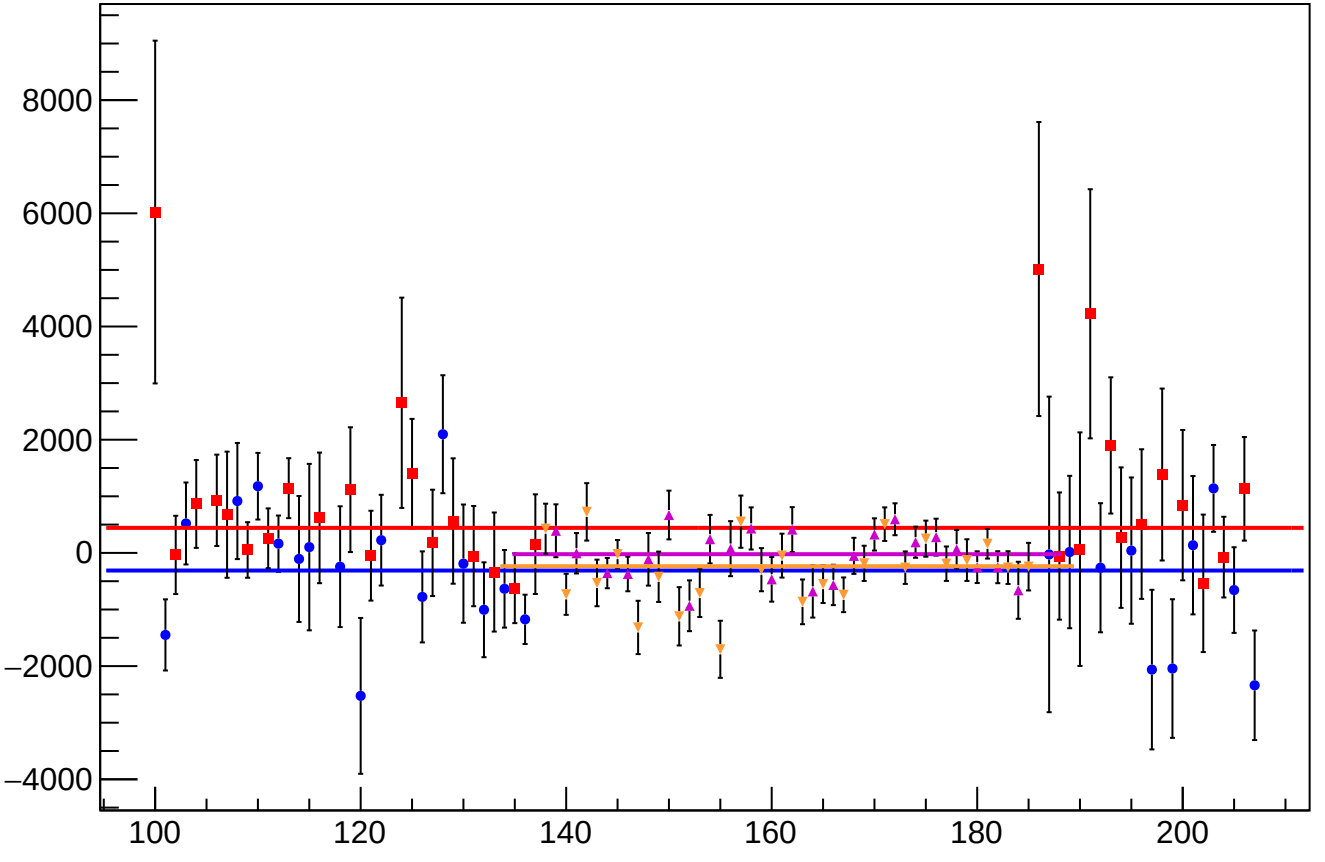
Right: 567.171+/-0.079 χ^2/NDF: 10401394.6/56

In: 345.298+/-0.046 χ^2/NDF:10380689.0/48

Out: 344.794+/-0.045 χ^2/NDF:12448824.2/55

All: 345.039+/-0.032 χ^2/NDF: 22829574.1/10

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -311.287+/-164.038 χ^2/NDF: 39.0/25

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

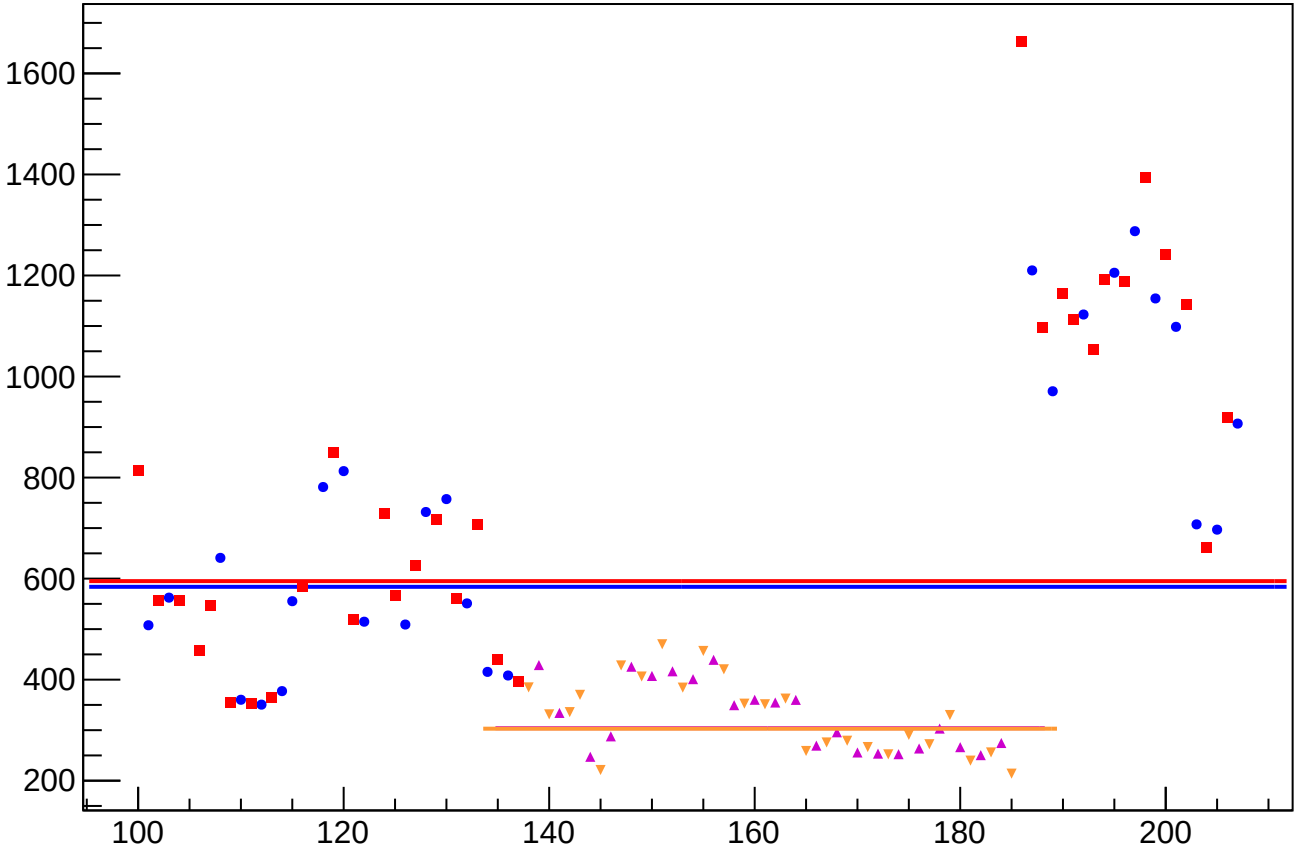
Right: 70.813+/-115.190 χ^2/NDF: 74.0/56

In: -69.984+/-66.421 χ^2/NDF:71.5/48

Out: -126.404+/-64.816 χ^2/NDF:86.5/55

All: -98.883+/-46.389 χ^2/NDF: 158.3/104

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 583.768+/-0.116 χ^2/NDF: 4318817.3/25

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

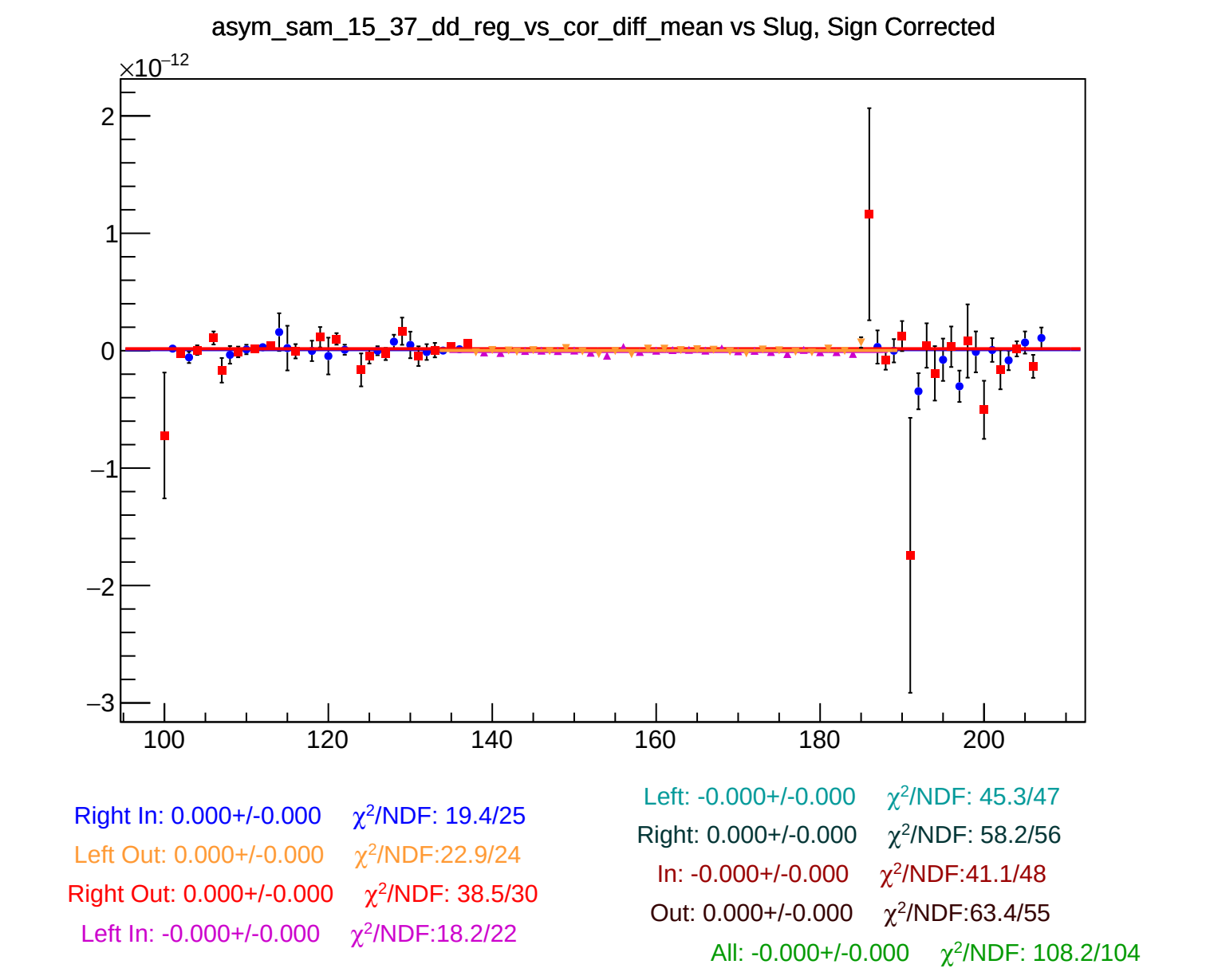
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

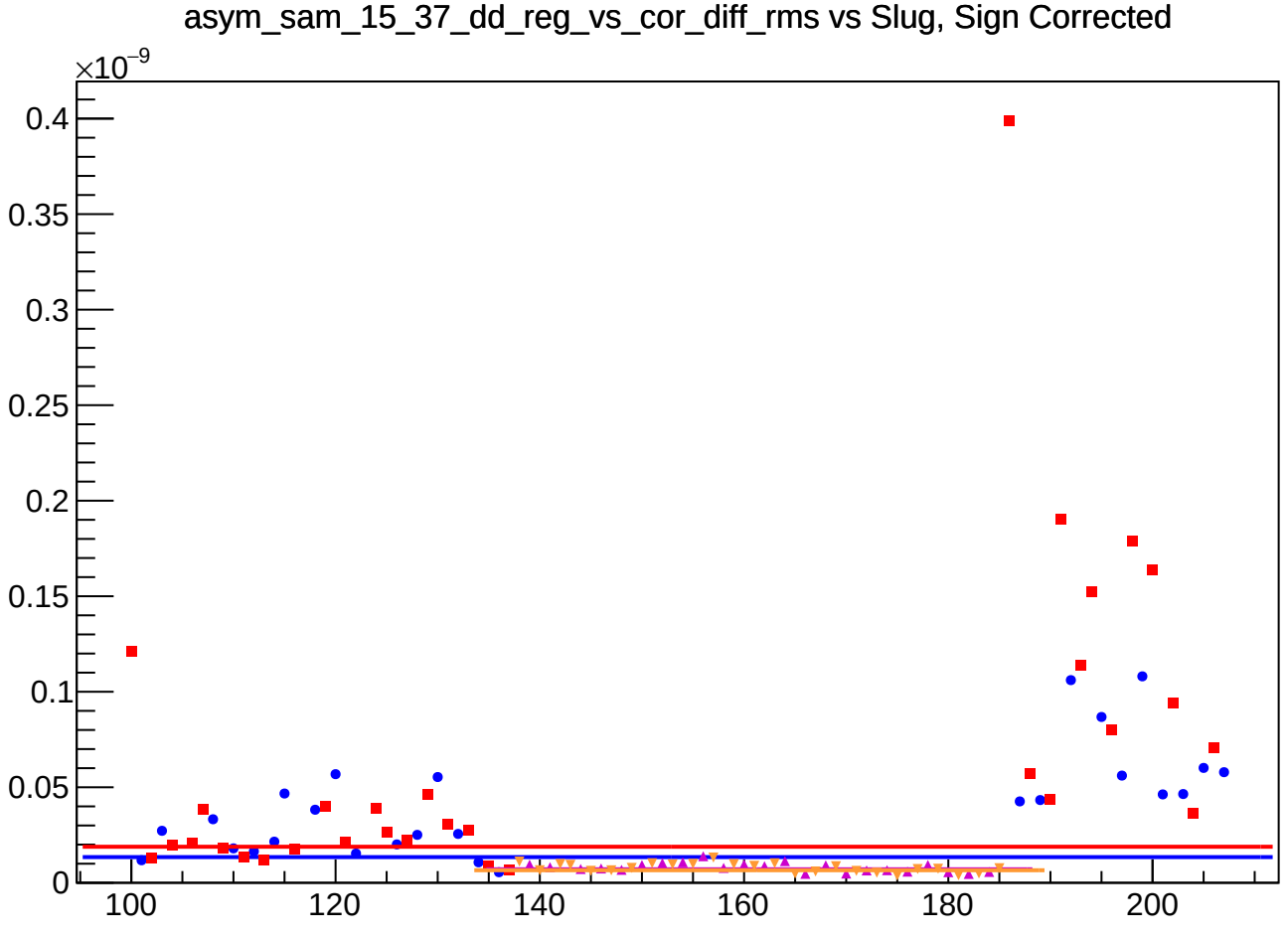
Right: 589.464+/-0.081 χ^2/NDF: 9962190.7/56

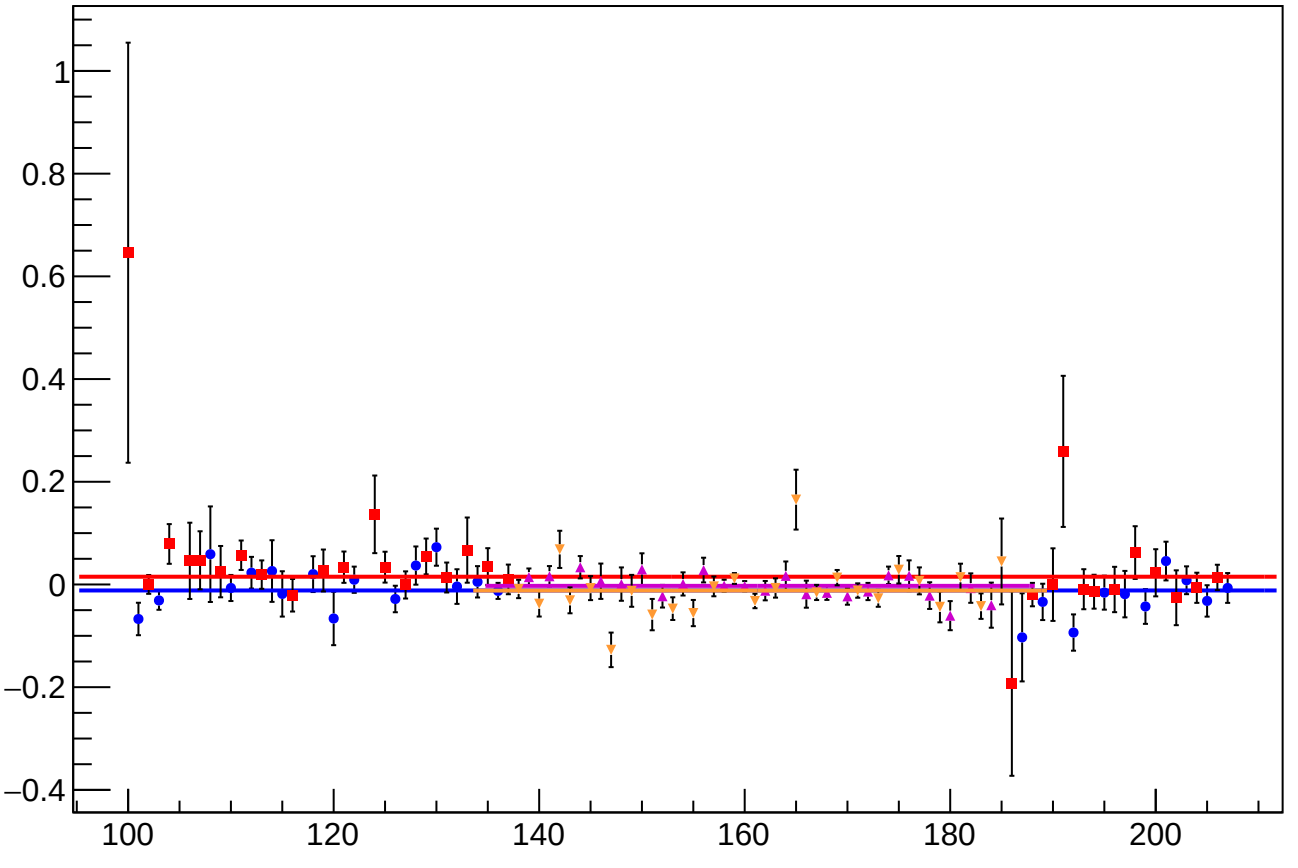
In: 349.805+/-0.047 χ^2/NDF:10561508.0/48

Out: 349.817+/-0.046 χ^2/NDF:12875897.2/55

All: 349.811+/-0.033 χ^2/NDF: 23437405.2/10


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: 19.4/25
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: 58.2/56
In: -0.000+/-0.000 χ²/NDF:41.1/48
Out: 0.000+/-0.000 χ²/NDF:63.4/55
All: -0.000+/-0.000 χ²/NDF: 108.2/104


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5877361.8/25
Left Out: 0.000+/-0.000 χ²/NDF:1479029.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6014955.6/30
Left In: 0.000+/-0.000 χ²/NDF:981529.7/22
Left: 0.000+/-0.000 χ²/NDF: 2496461.4/47
Right: 0.000+/-0.000 χ²/NDF: 12261750.7/56
In: 0.000+/-0.000 χ²/NDF:8033155.9/48
Out: 0.000+/-0.000 χ²/NDF:10374638.9/55
All: 0.000+/-0.000 χ²/NDF: 18438380.2/104



Right In: -0.012+/-0.006 χ^2/NDF: 28.2/25

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

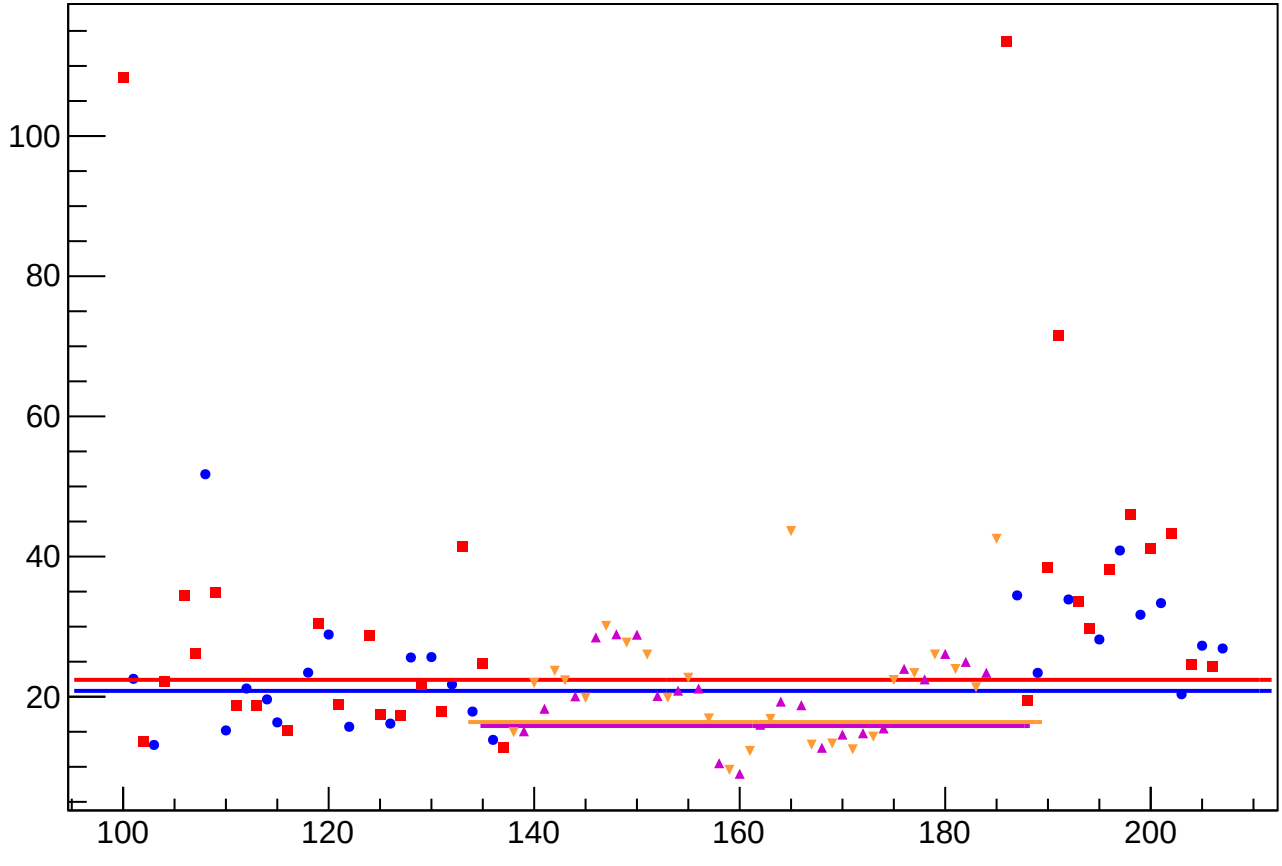
Right: 0.001+/-0.004 χ^2/NDF: 63.3/56

In: -0.005+/-0.003 χ^2/NDF:49.4/48

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 141.6/104

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.835+/-0.004 χ^2/NDF: 2826236.7/25

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

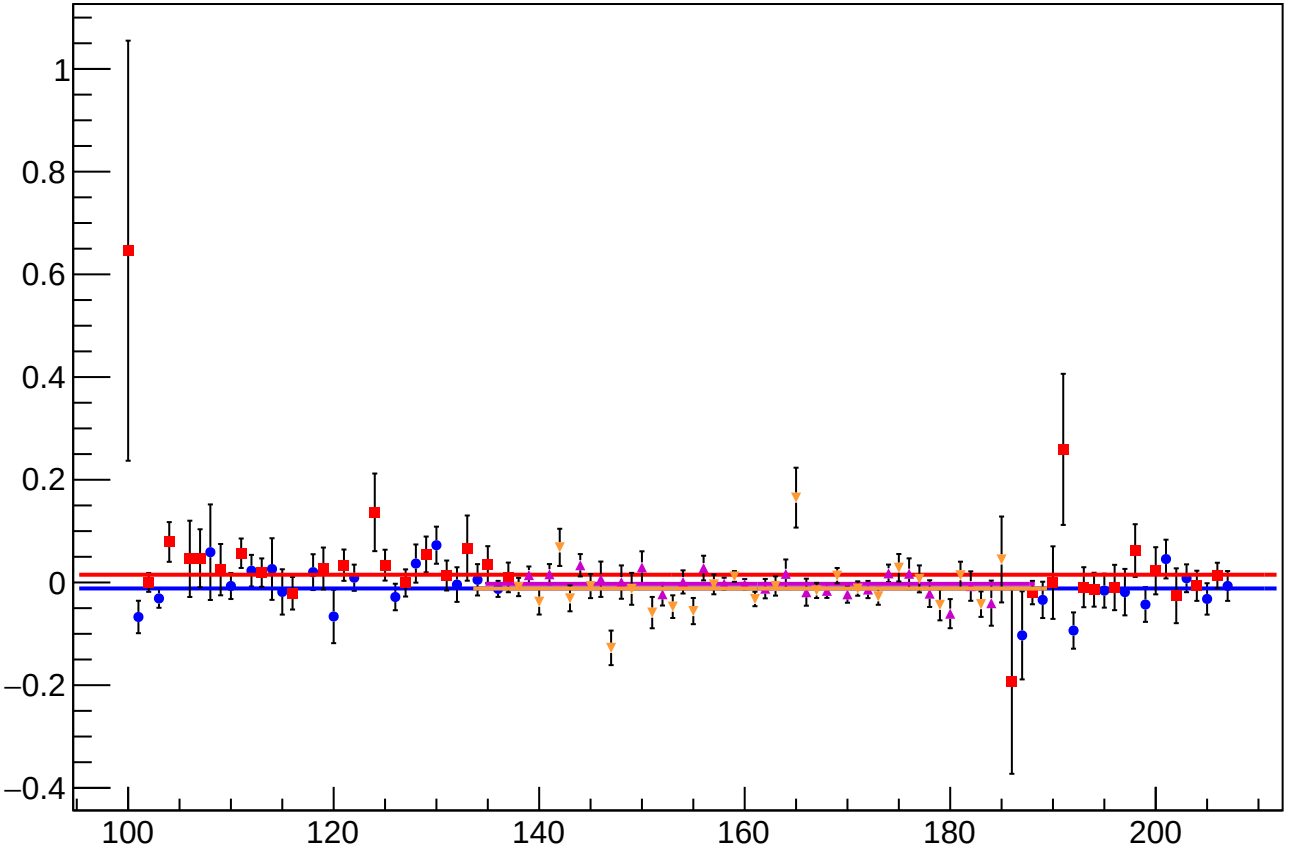
Right: 21.583+/-0.003 χ^2/NDF: 6986594.8/56

In: 17.381+/-0.002 χ^2/NDF:7436826.7/48

Out: 18.147+/-0.002 χ^2/NDF:9407423.0/55

All: 17.757+/-0.002 χ^2/NDF: 16895463.0/104

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 28.2/25

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

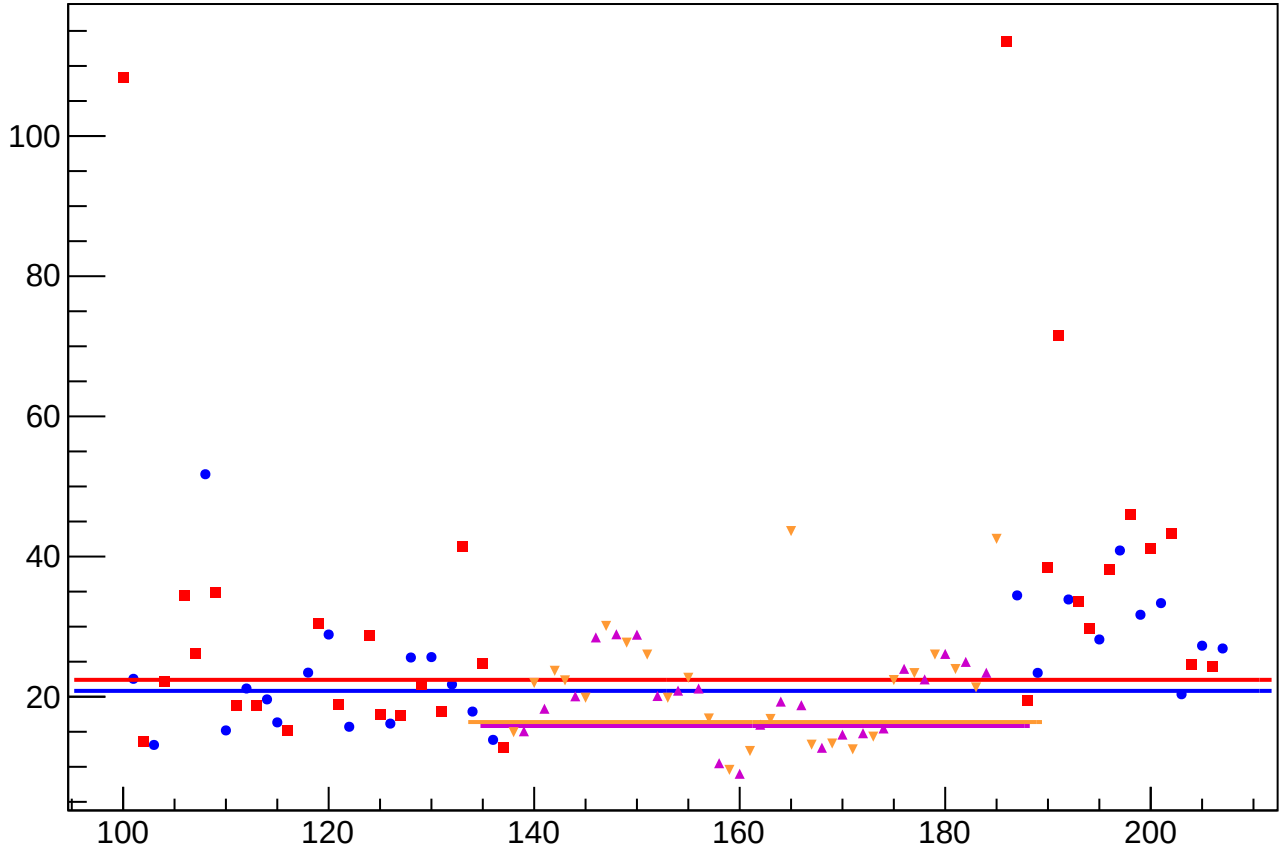
Right: 0.001+/-0.004 χ^2/NDF: 63.3/56

In: -0.005+/-0.003 χ^2/NDF:49.4/48

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 141.6/104

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.835+/-0.004 χ^2/NDF: 2826236.7/25

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

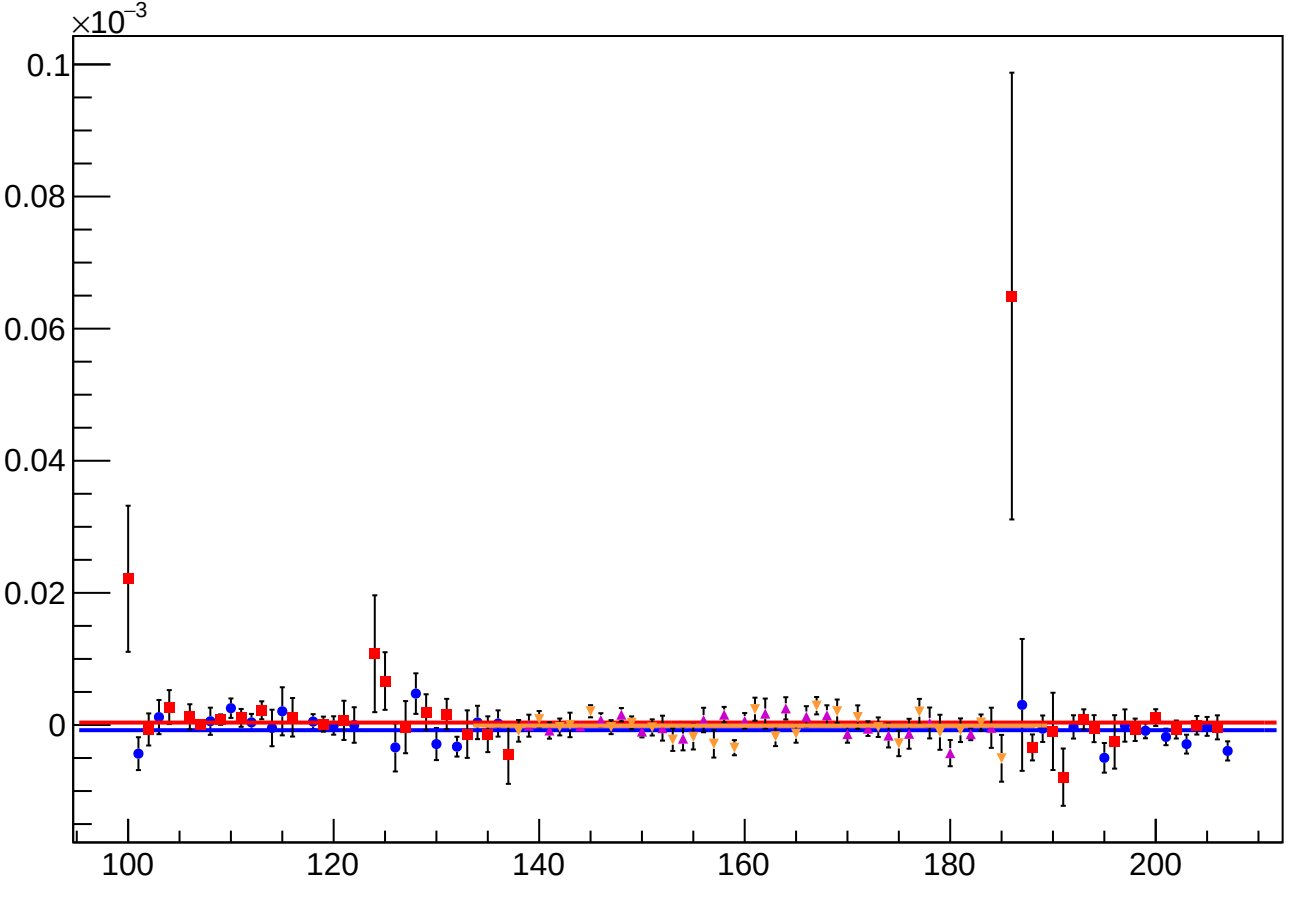
Right: 21.583+/-0.003 χ^2/NDF: 6986594.8/56

In: 17.381+/-0.002 χ^2/NDF:7436826.7/48

Out: 18.147+/-0.002 χ^2/NDF:9407423.0/55

All: 17.757+/-0.002 χ^2/NDF: 16895463.0/104

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.6/25

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

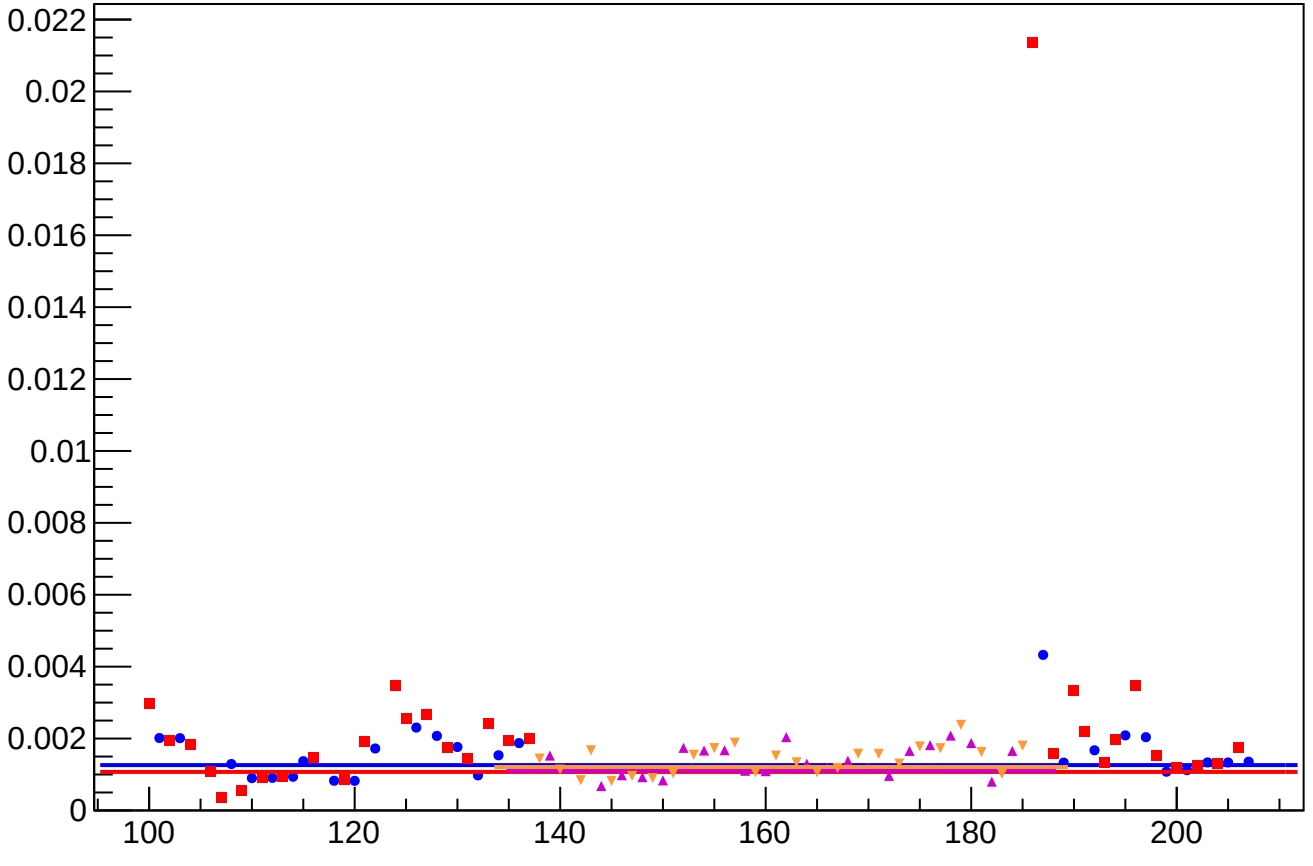
Right: -0.000+/-0.000 χ^2/NDF: 63.9/56

In: -0.000+/-0.000 χ^2/NDF:55.0/48

Out: 0.000+/-0.000 χ^2/NDF:64.5/55

All: -0.000+/-0.000 χ^2/NDF: 122.0/104

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 2755316.7/25

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

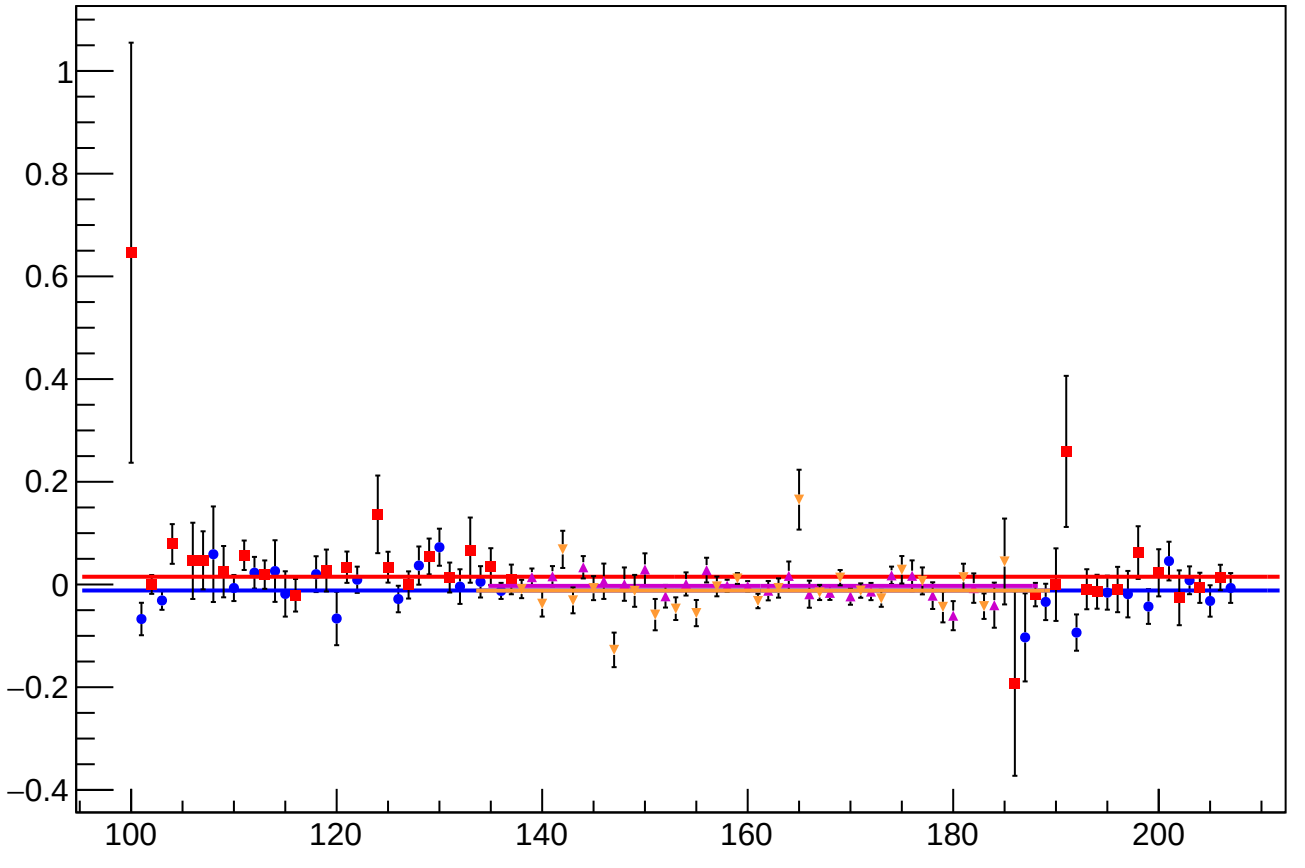
Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

Right: 0.001+/-0.000 χ^2/NDF: 11051163.2/56

In: 0.001+/-0.000 χ^2/NDF:6504943.2/48

Out: 0.001+/-0.000 χ^2/NDF:10890936.8/55

All: 0.001+/-0.000 χ^2/NDF: 17403896.4/104



Right In: -0.012+/-0.006 χ^2/NDF: 28.2/25

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

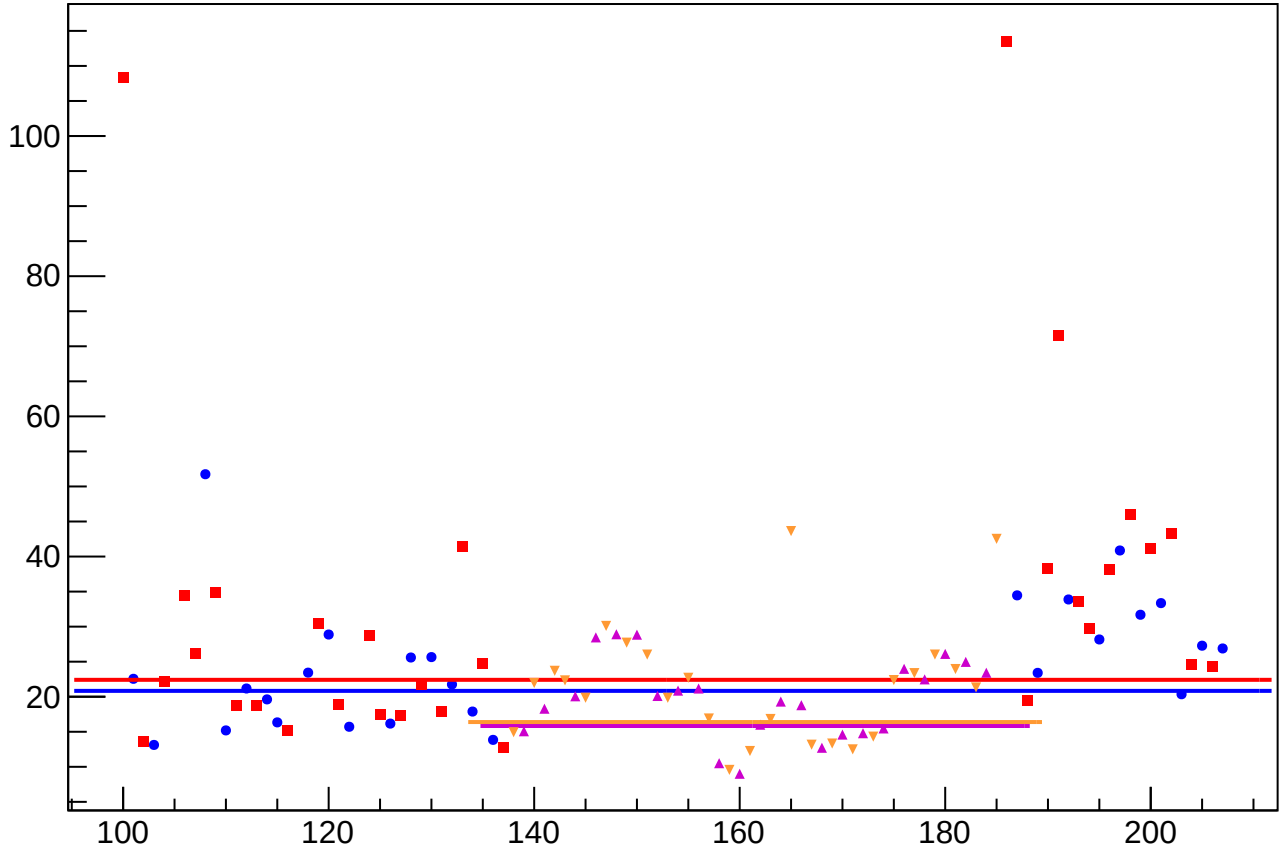
Right: 0.001+/-0.004 χ^2/NDF: 63.3/56

In: -0.005+/-0.003 χ^2/NDF:49.4/48

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 141.6/104

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.835+/-0.004 χ^2/NDF: 2826251.5/25

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

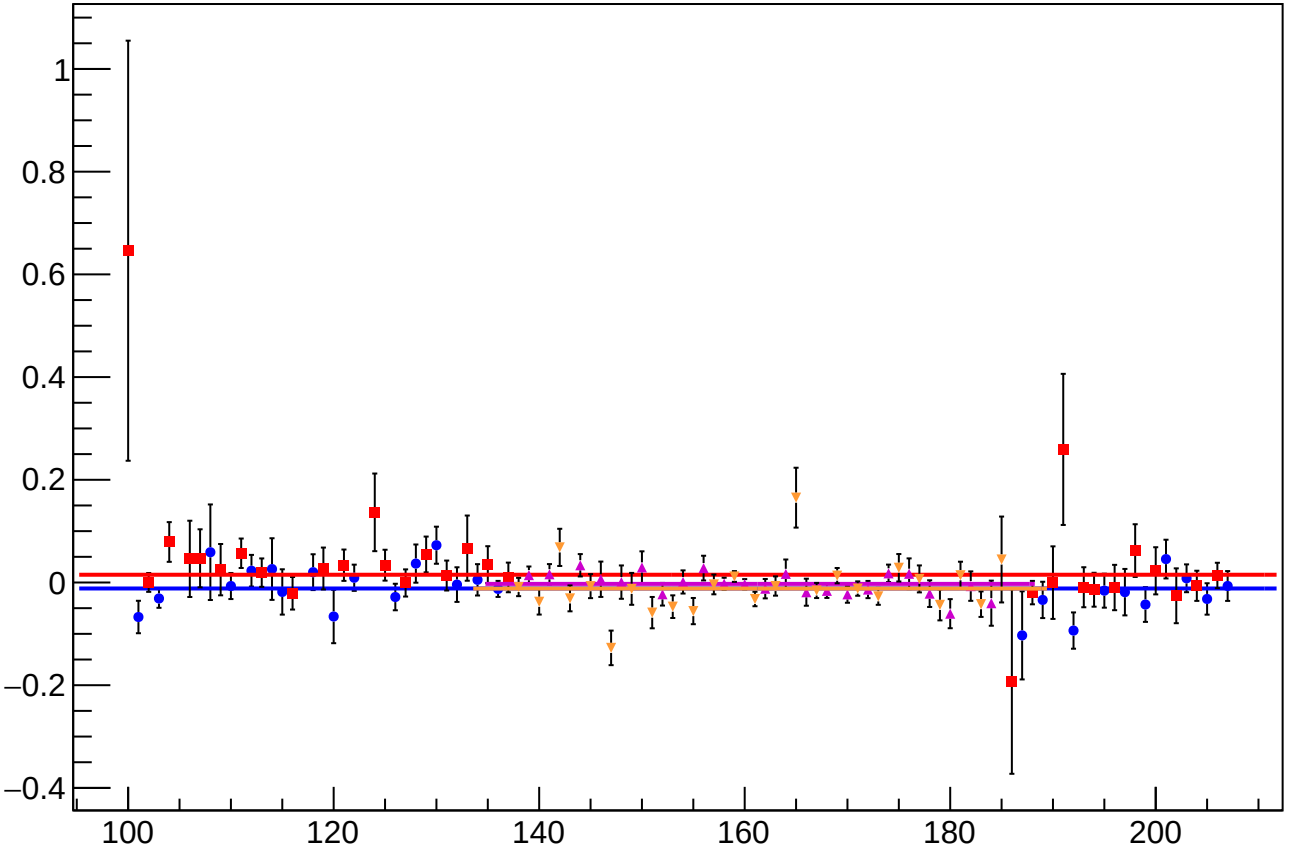
Right: 21.583+/-0.003 χ^2/NDF: 6986375.8/56

In: 17.381+/-0.002 χ^2/NDF:7437329.6/48

Out: 18.147+/-0.002 χ^2/NDF:9407683.1/55

All: 17.756+/-0.002 χ^2/NDF: 16896244.2/104

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: 28.2/25

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

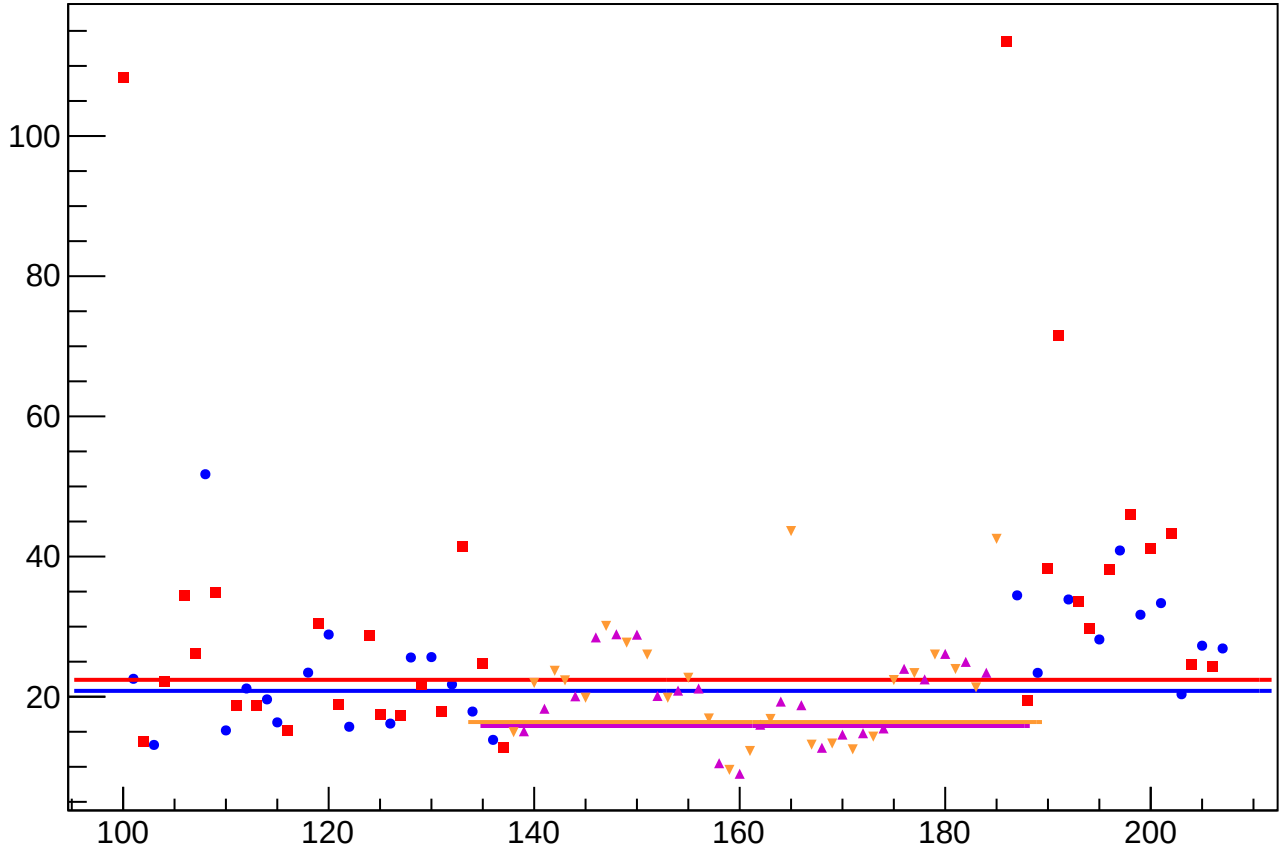
Right: 0.001+/-0.004 χ^2/NDF: 63.3/56

In: -0.005+/-0.003 χ^2/NDF:49.4/48

Out: -0.004+/-0.003 χ^2/NDF:92.0/55

All: -0.005+/-0.002 χ^2/NDF: 141.6/104

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.835+/-0.004 χ^2/NDF: 2826251.5/25

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

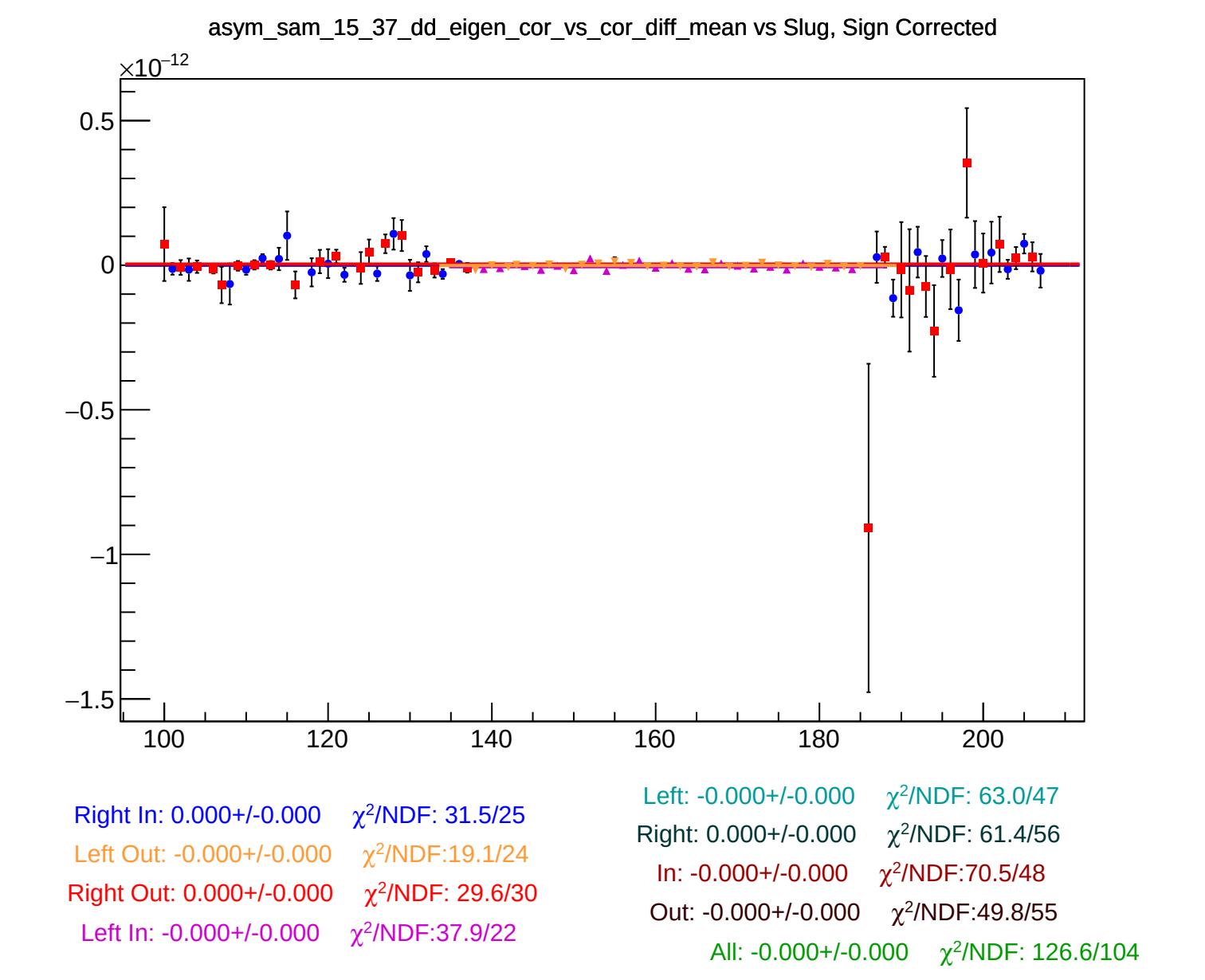
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

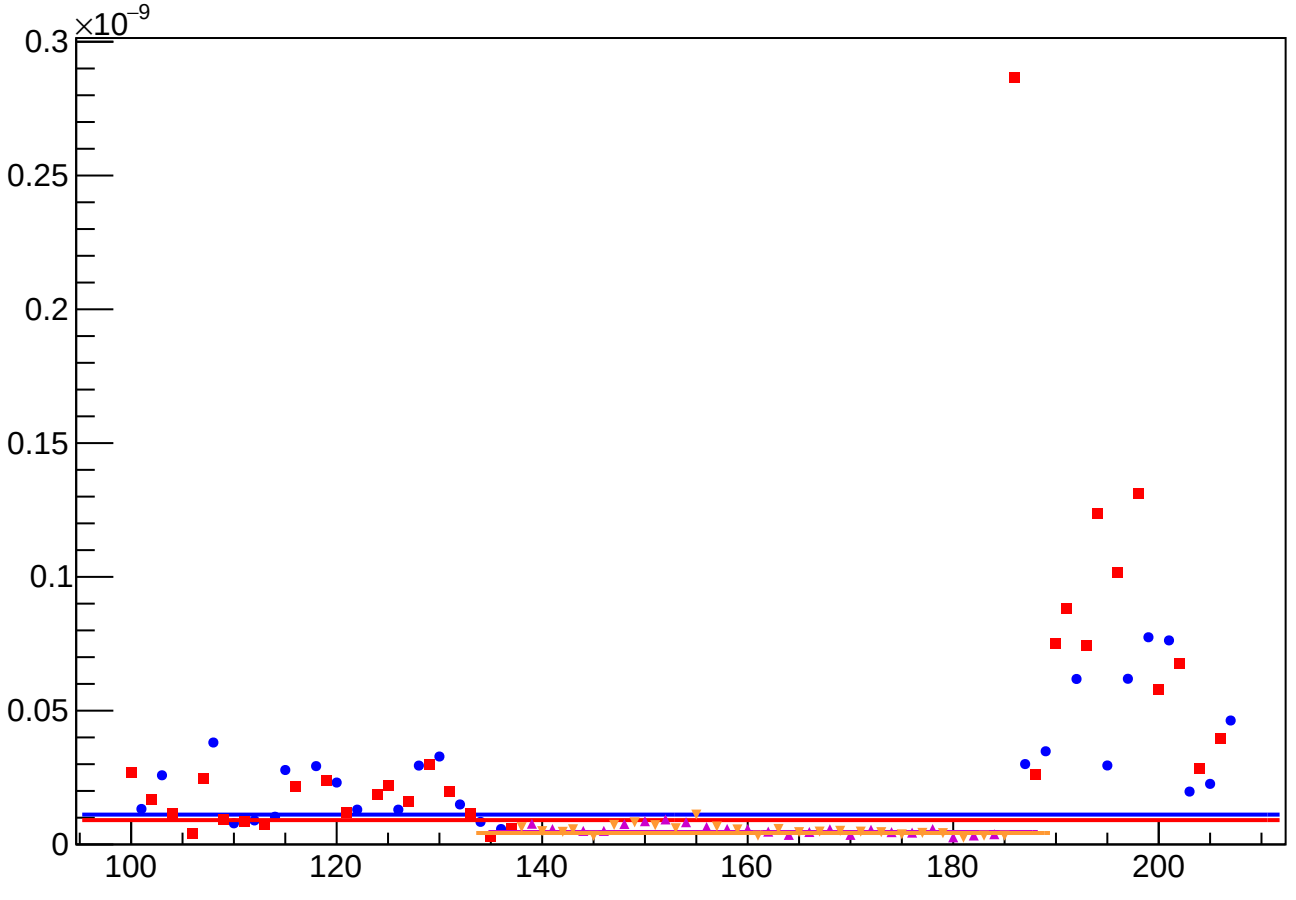
Right: 21.583+/-0.003 χ^2/NDF: 6986375.8/56

In: 17.381+/-0.002 χ^2/NDF:7437329.6/48

Out: 18.147+/-0.002 χ^2/NDF:9407683.1/55

All: 17.756+/-0.002 χ^2/NDF: 16896244.2/104


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 31.5/25
Left Out: -0.000+/-0.000 χ²/NDF:19.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.6/30
Left In: -0.000+/-0.000 χ²/NDF:37.9/22
Left: -0.000+/-0.000 χ²/NDF: 63.0/47
Right: 0.000+/-0.000 χ²/NDF: 61.4/56
In: -0.000+/-0.000 χ²/NDF:70.5/48
Out: -0.000+/-0.000 χ²/NDF:49.8/55
All: -0.000+/-0.000 χ²/NDF: 126.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 6985249.3/25

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

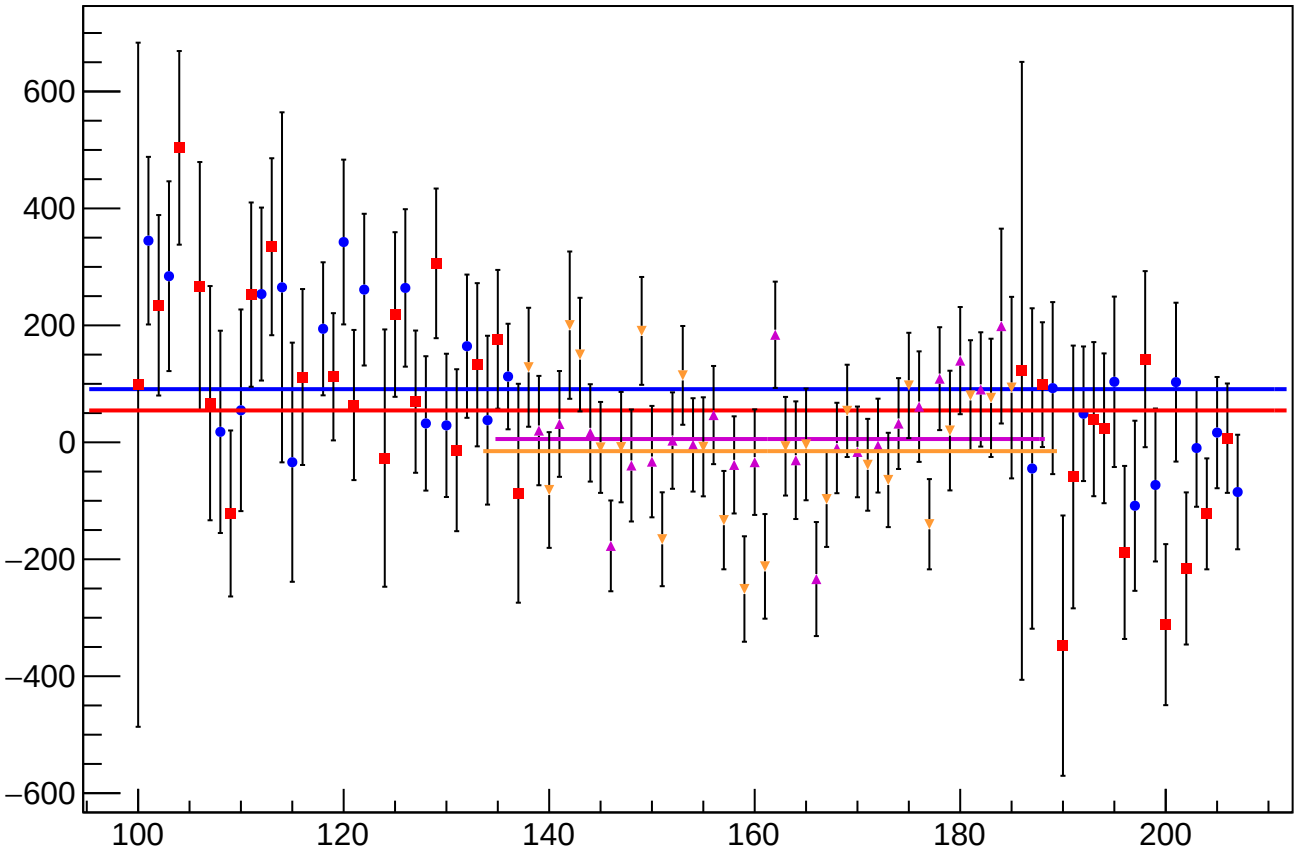
Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

Right: 0.000+/-0.000 χ^2/NDF: 17999465.1/56

In: 0.000+/-0.000 χ^2/NDF:12779504.6/48

Out: 0.000+/-0.000 χ^2/NDF:15623589.0/55

All: 0.000+/-0.000 χ^2/NDF: 28547383.6/104



Right In: 90.919+/-25.715 χ^2/NDF: 23.8/25

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

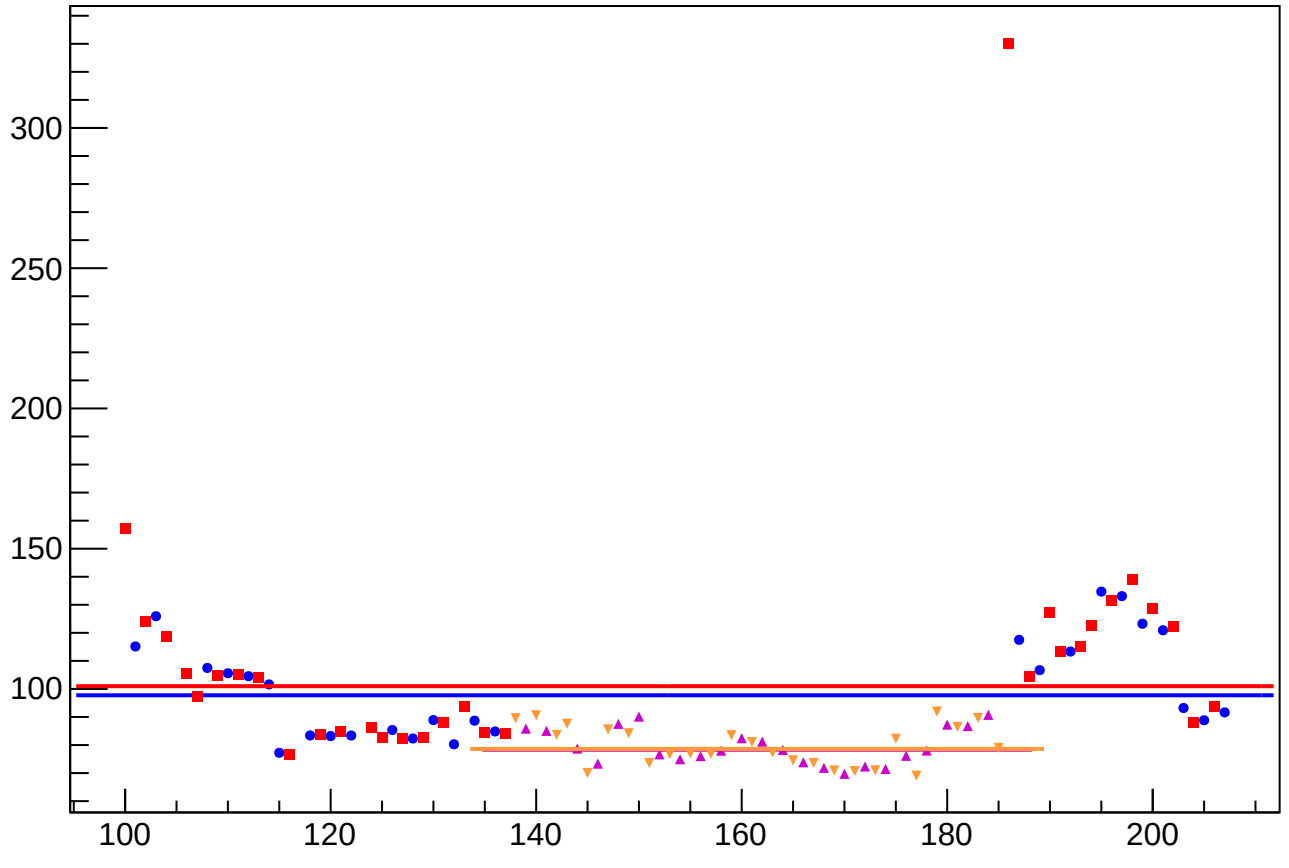
Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

Right: 72.600+/-18.126 χ^2/NDF: 71.0/56

In: 34.473+/-14.954 χ^2/NDF:54.1/48

Out: 7.909+/-14.692 χ^2/NDF:92.8/55

All: 20.956+/-10.480 χ^2/NDF: 148.5/104



Right In: 97.741+/-0.018 χ^2/NDF: 820110.8/25

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

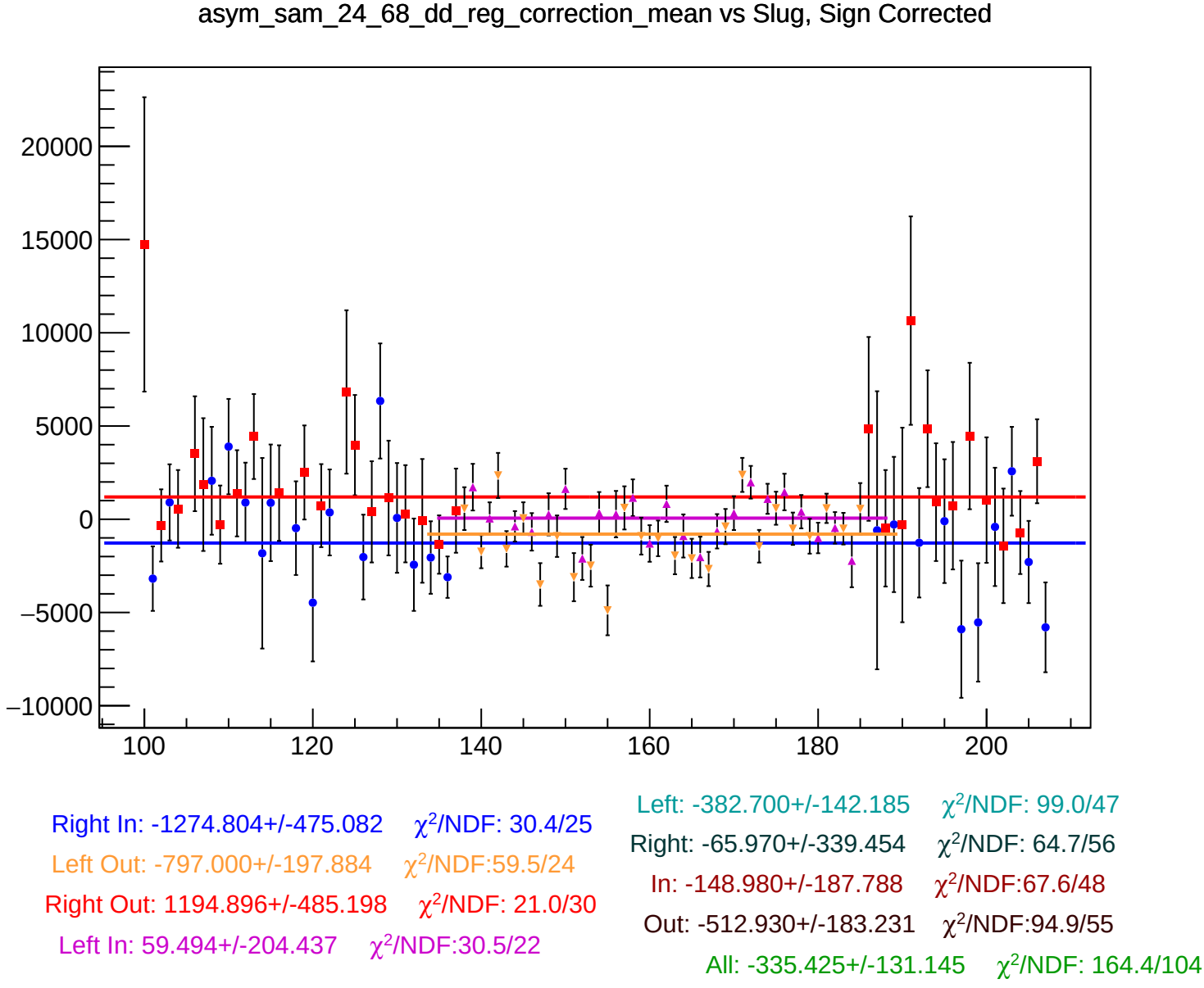
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

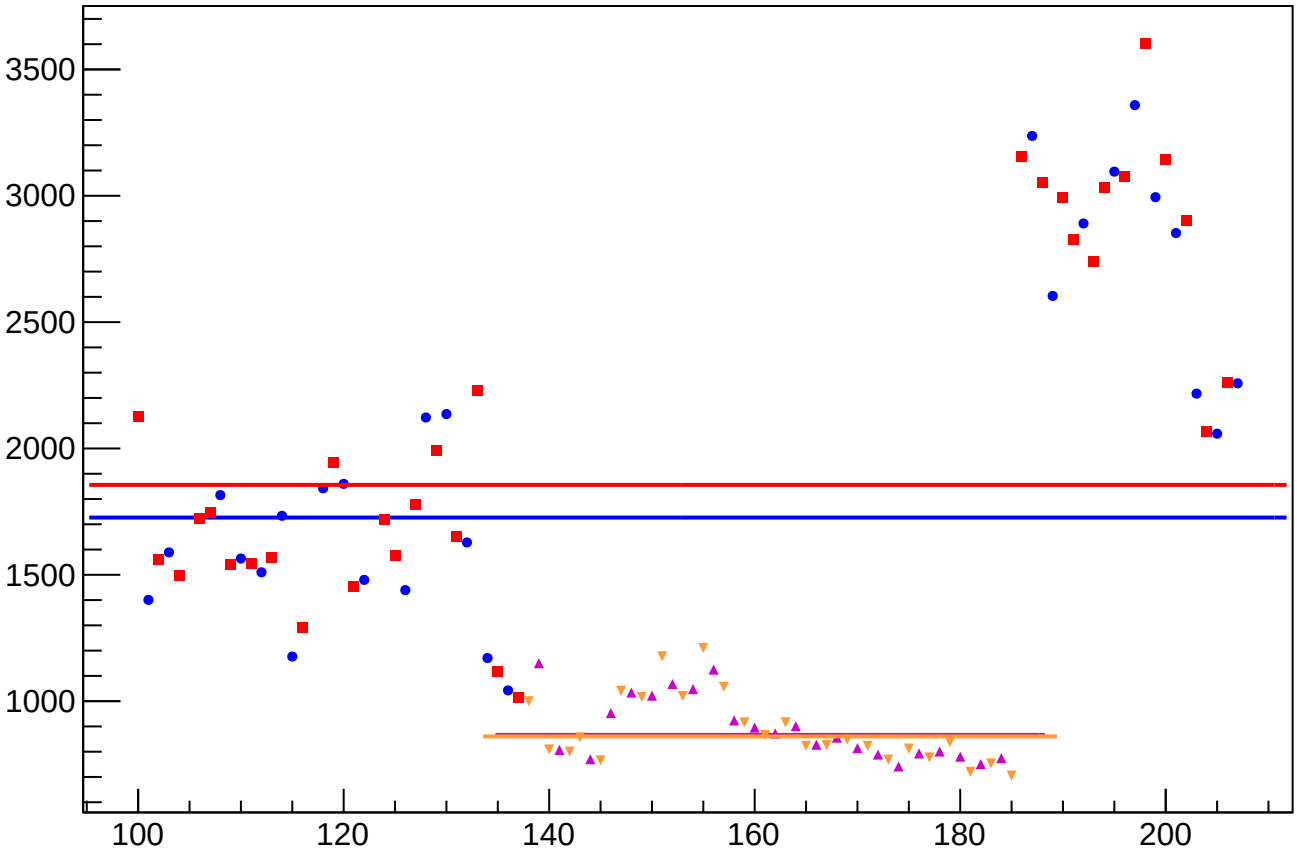
Right: 99.369+/-0.013 χ^2/NDF: 2159628.3/56

In: 84.897+/-0.011 χ^2/NDF:1783160.4/48

Out: 86.009+/-0.010 χ^2/NDF:2655801.3/55

All: 85.463+/-0.007 χ^2/NDF: 4444585.8/104


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: -1274.804+/-475.082 χ²/NDF: 30.4/25
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: -65.970+/-339.454 χ²/NDF: 64.7/56
In: -148.980+/-187.788 χ²/NDF:67.6/48
Out: -512.930+/-183.231 χ²/NDF:94.9/55
All: -335.425+/-131.145 χ²/NDF: 164.4/104



Right In: 1726.604+/-0.336 χ^2/NDF: 3276195.1/25

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

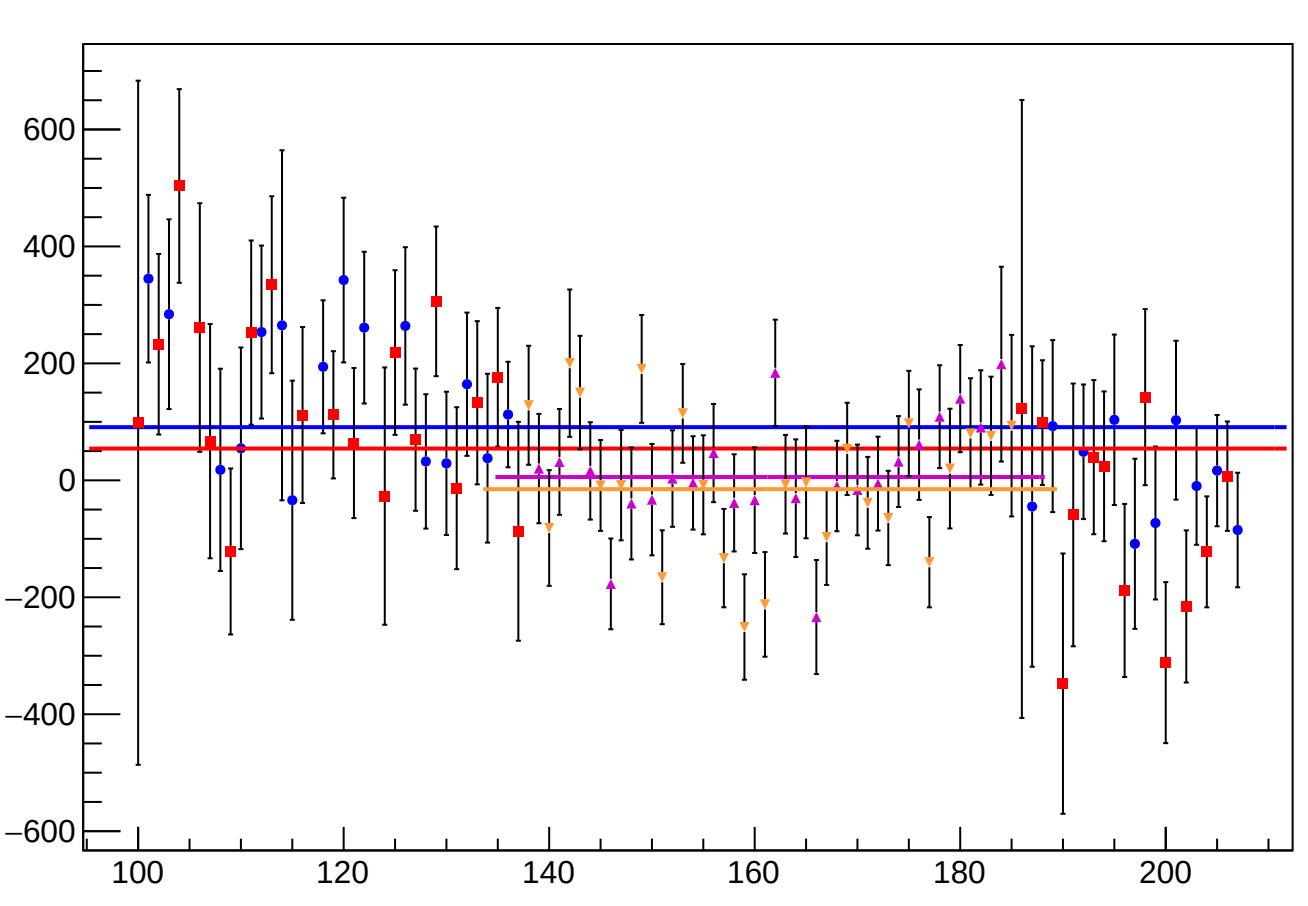
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1789.885+/-0.240 χ^2/NDF: 6815286.5/56

In: 1000.759+/-0.133 χ^2/NDF:9422483.6/48

Out: 1002.449+/-0.130 χ^2/NDF:11382916.7/55

All: 1001.625+/-0.093 χ^2/NDF: 20805483.2/



Right In: 90.914+/-25.715 χ^2/NDF: 23.8/25

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

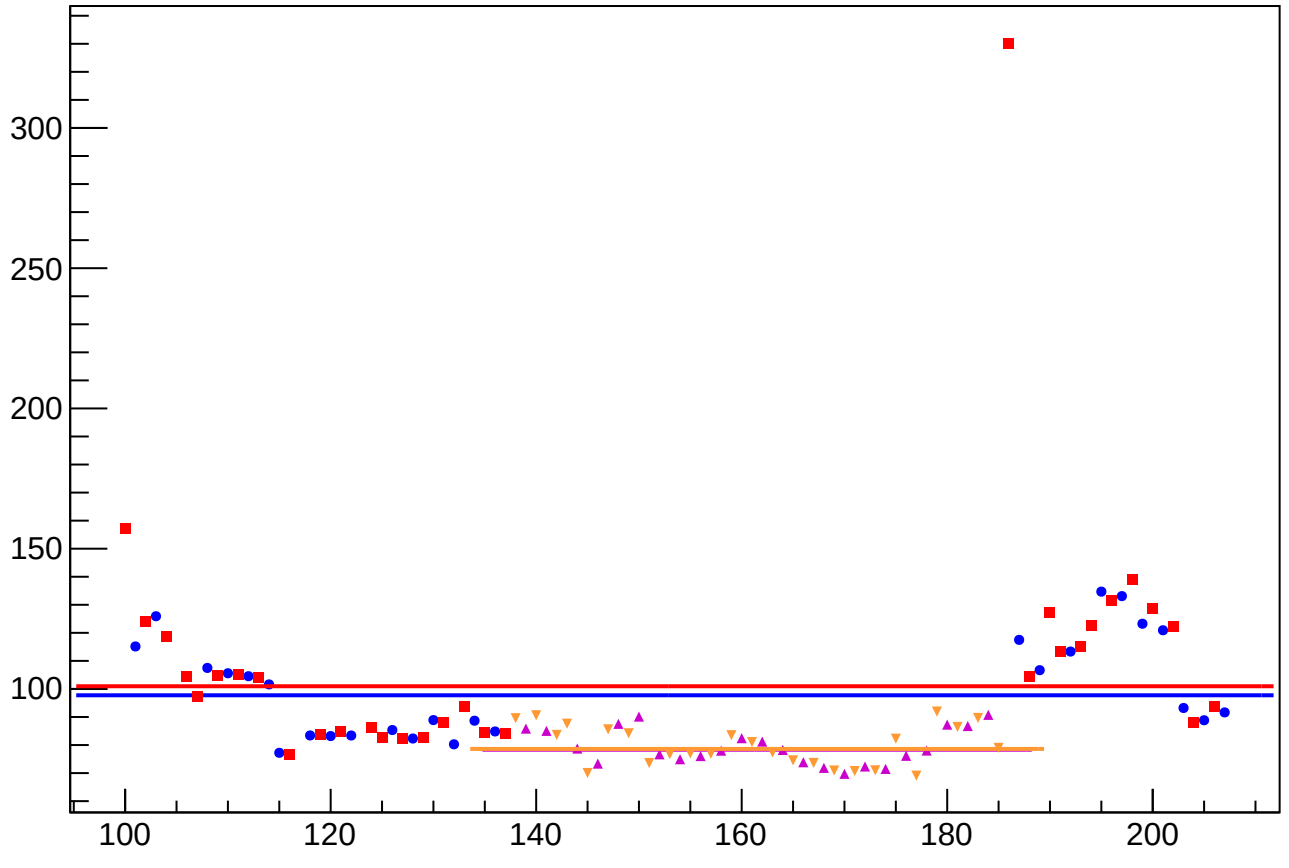
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 72.525+/-18.127 χ^2/NDF: 71.0/56

In: 34.469+/-14.954 χ^2/NDF:54.1/48

Out: 7.861+/-14.693 χ^2/NDF:92.7/55

All: 20.930+/-10.480 χ^2/NDF: 148.4/104



Right In: 97.741+/-0.018 χ^2/NDF: 820112.3/25

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

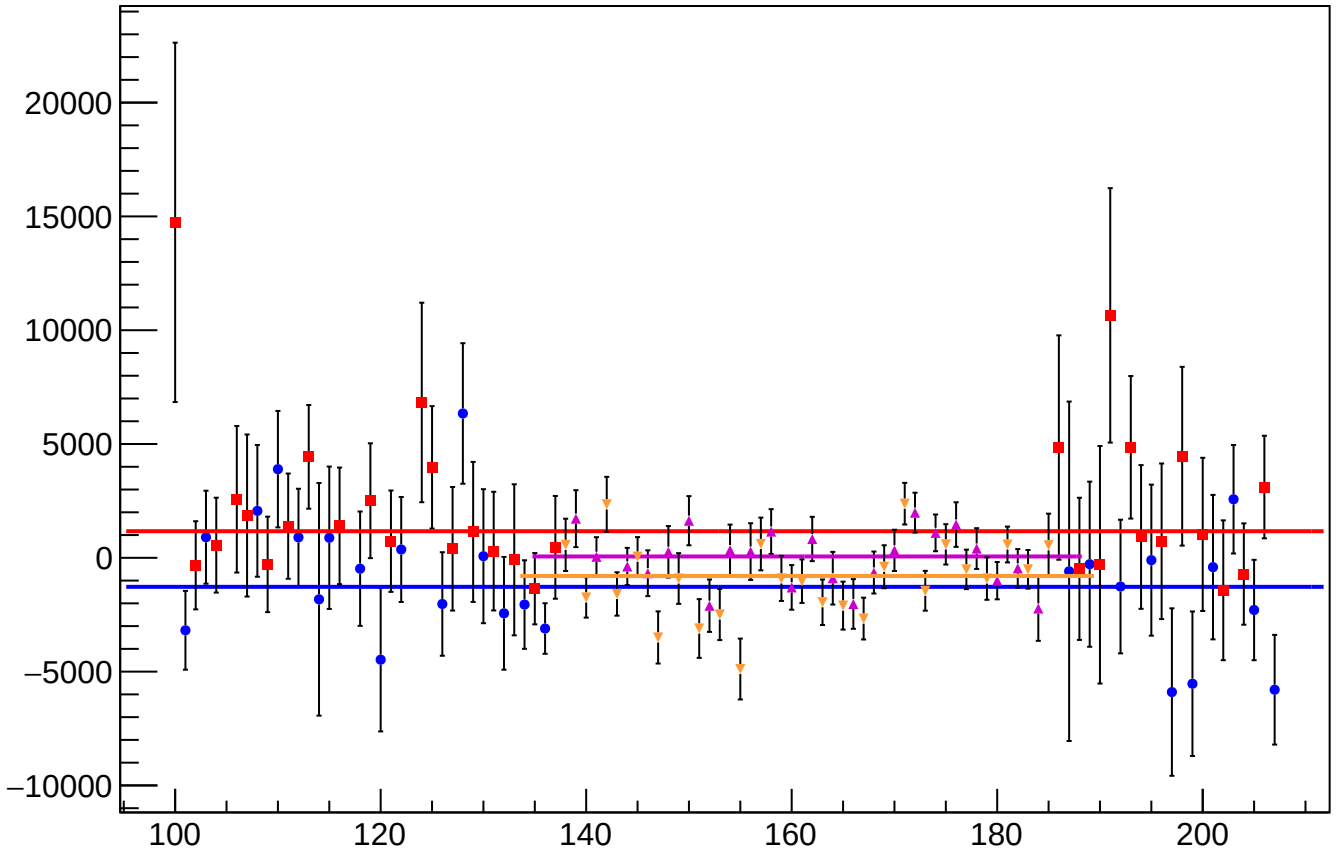
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 99.360+/-0.013 χ^2/NDF: 2159172.3/56

In: 84.897+/-0.011 χ^2/NDF:1783162.3/48

Out: 86.003+/-0.010 χ^2/NDF:2653837.2/55

All: 85.460+/-0.007 χ^2/NDF: 4442560.7/104



Right In: -1274.788+/-475.083 χ^2/NDF: 30.4/25

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

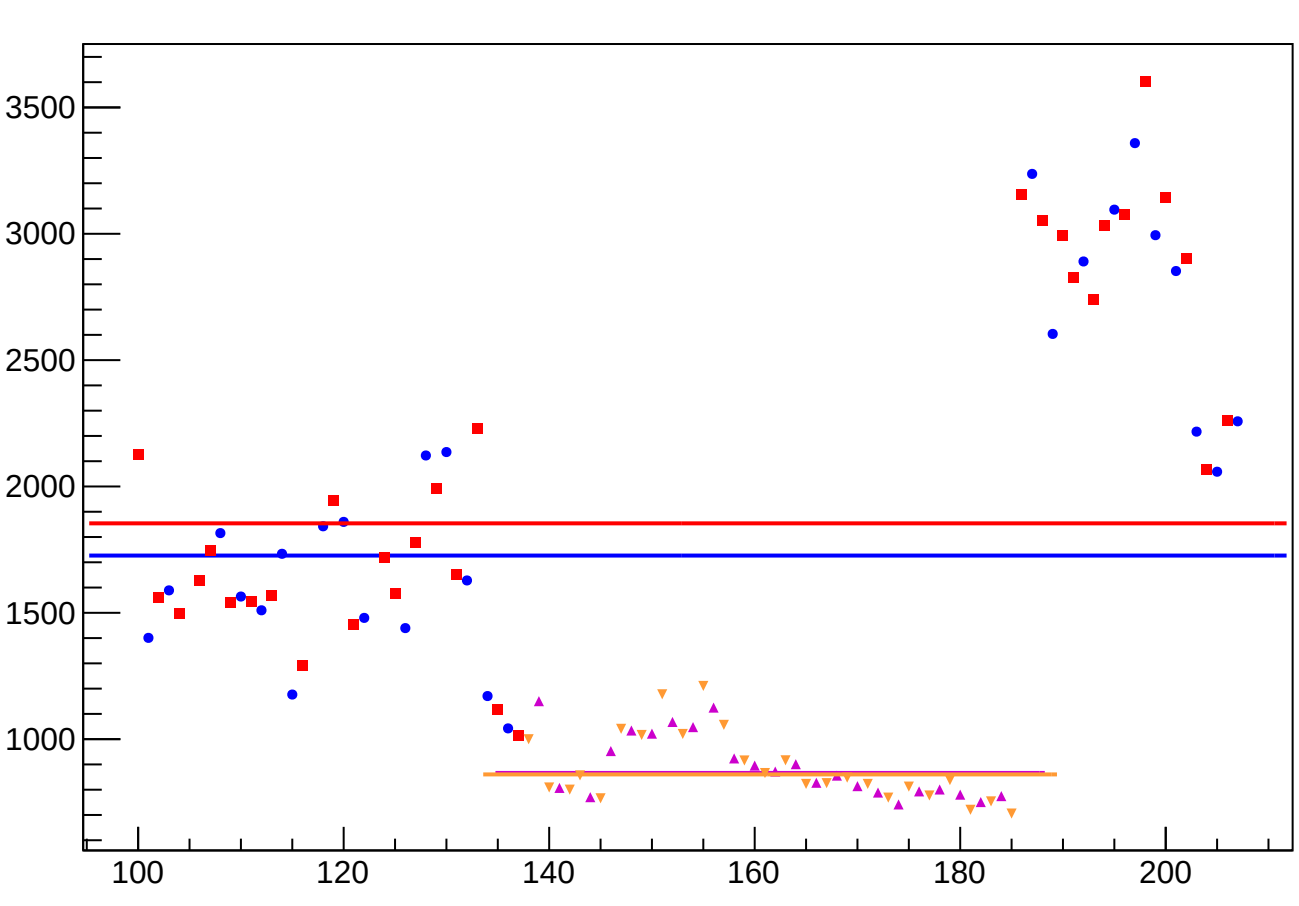
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -79.966+/-339.632 χ^2/NDF: 64.0/56

In: -148.977+/-187.788 χ^2/NDF:67.6/48

Out: -517.144+/-183.259 χ^2/NDF:94.1/55

All: -337.554+/-131.156 χ^2/NDF: 163.7/104



Right In: 1726.608+/-0.336 χ^2/NDF: 3276187.0/25

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

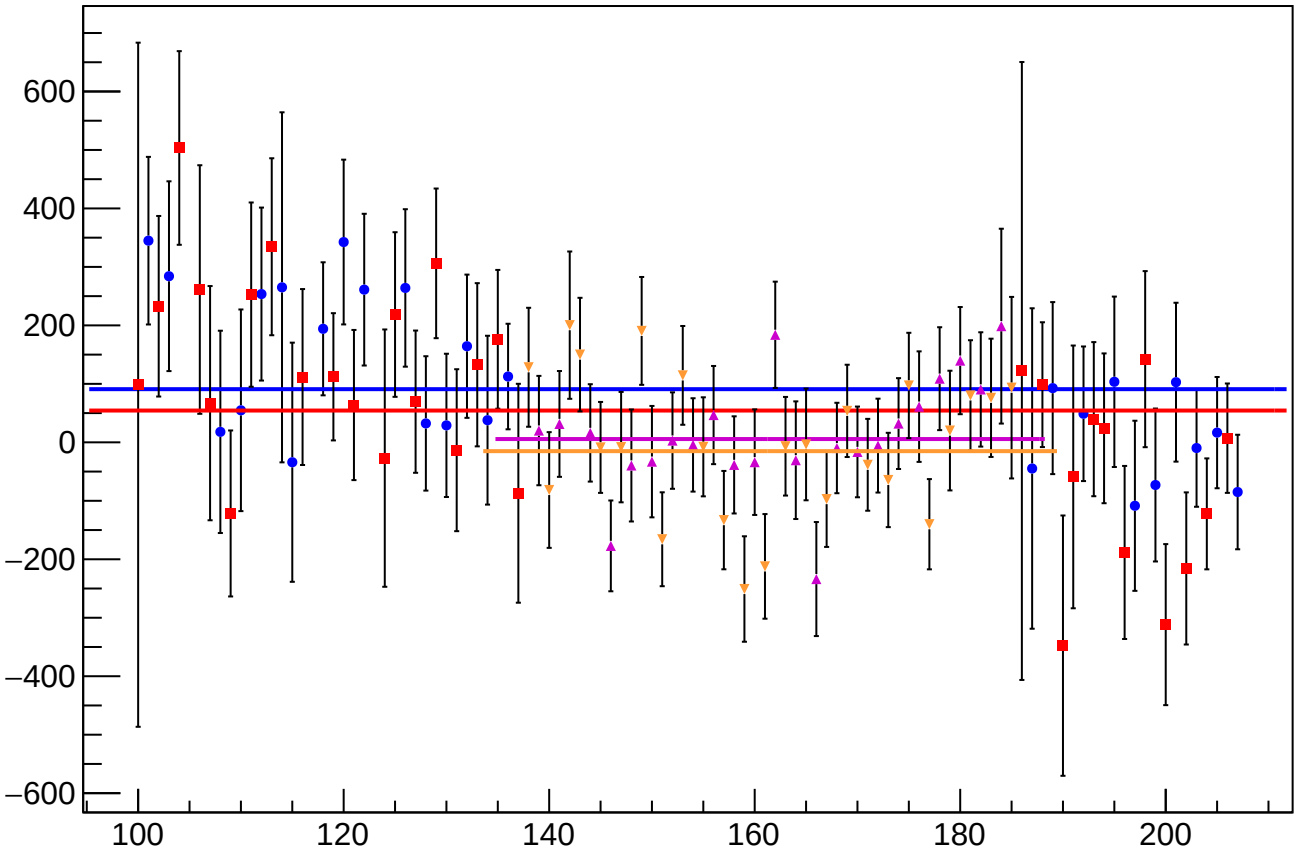
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1788.935+/-0.240 χ^2/NDF: 6819149.2/56

In: 1000.760+/-0.133 χ^2/NDF:9422498.7/48

Out: 1001.931+/-0.130 χ^2/NDF:11349545.0/55

All: 1001.360+/-0.093 χ^2/NDF: 20772083.6/



Right In: 90.914+/-25.715 χ^2/NDF: 23.8/25

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

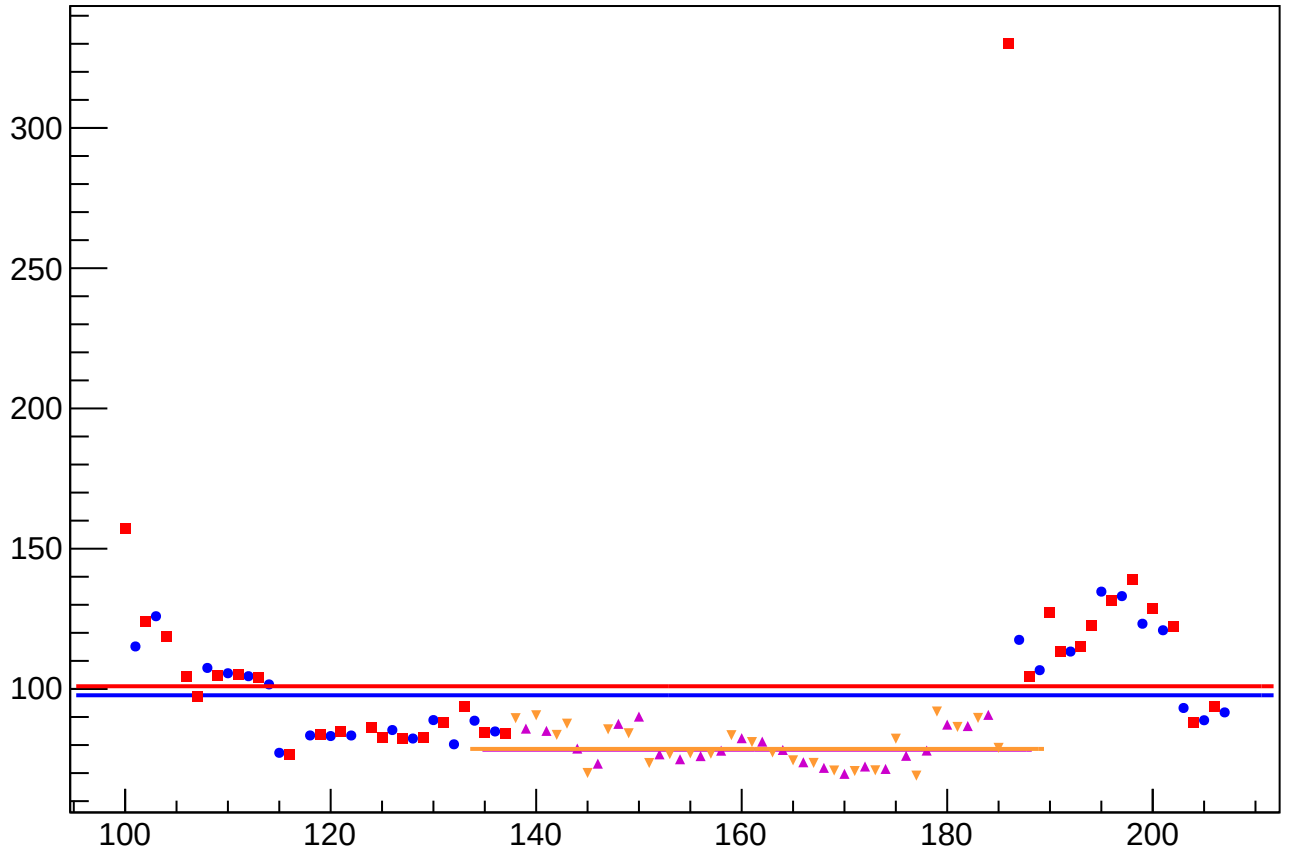
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 72.525+/-18.127 χ^2/NDF: 71.0/56

In: 34.469+/-14.954 χ^2/NDF:54.1/48

Out: 7.861+/-14.693 χ^2/NDF:92.7/55

All: 20.930+/-10.480 χ^2/NDF: 148.4/104



Right In: 97.741+/-0.018 χ^2/NDF: 820112.3/25

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

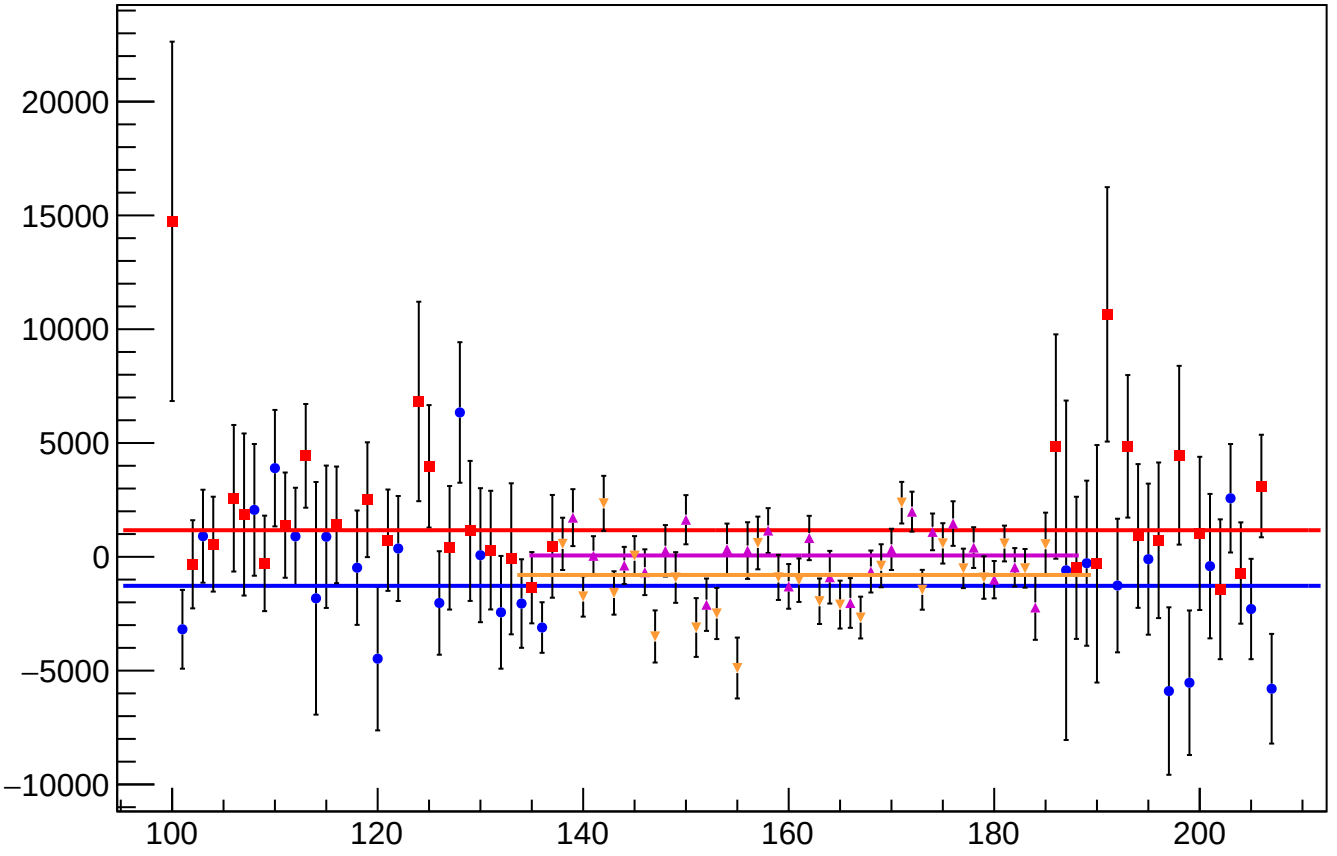
Right: 99.360+/-0.013 χ^2/NDF: 2159172.3/56

In: 84.897+/-0.011 χ^2/NDF:1783162.3/48

Out: 86.003+/-0.010 χ^2/NDF:2653837.2/55

All: 85.460+/-0.007 χ^2/NDF: 4442560.7/104

asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1274.788+/-475.083 χ^2/NDF: 30.4/25

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

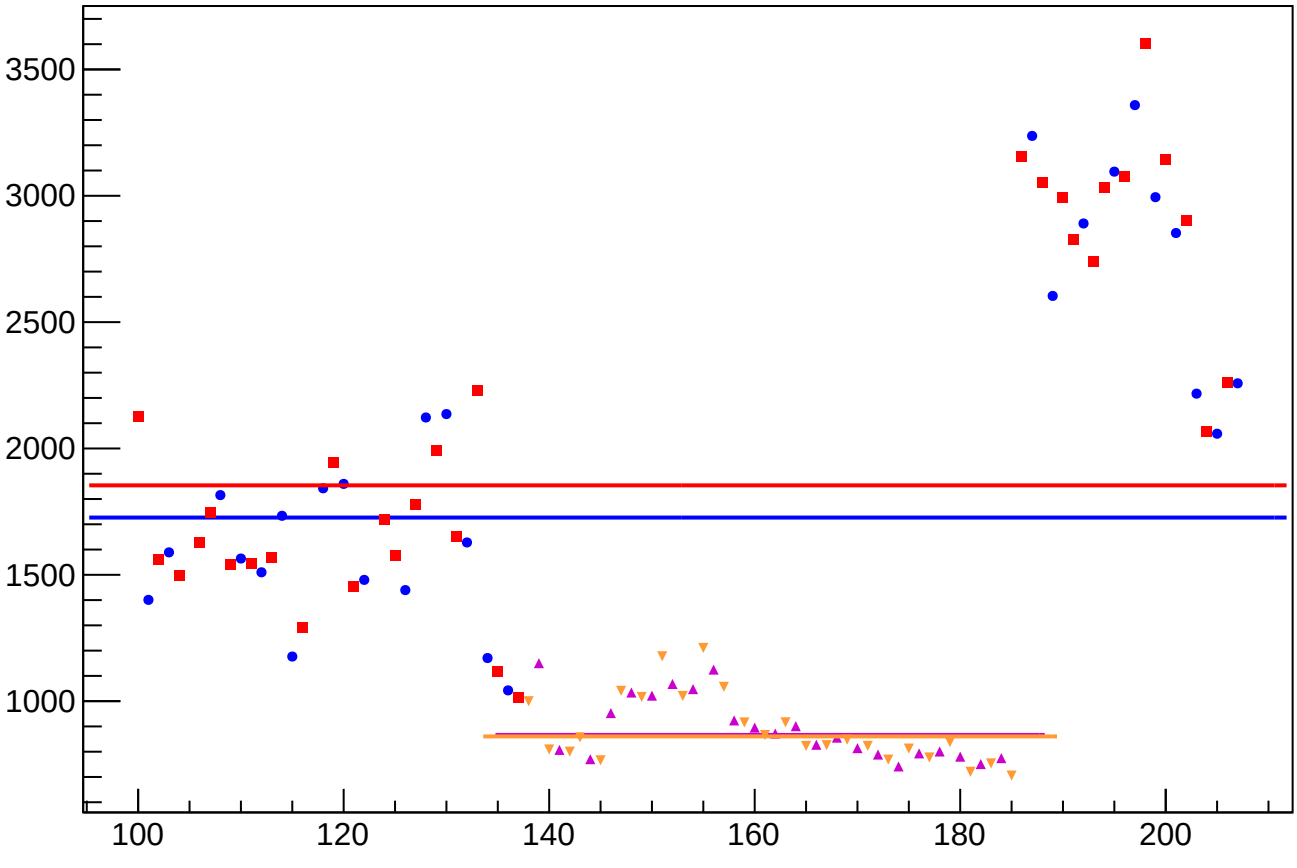
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -79.966+/-339.632 χ^2/NDF: 64.0/56

In: -148.977+/-187.788 χ^2/NDF:67.6/48

Out: -517.144+/-183.259 χ^2/NDF:94.1/55

All: -337.554+/-131.156 χ^2/NDF: 163.7/104



Right In: 1726.608+/-0.336 χ^2/NDF: 3276187.0/25

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

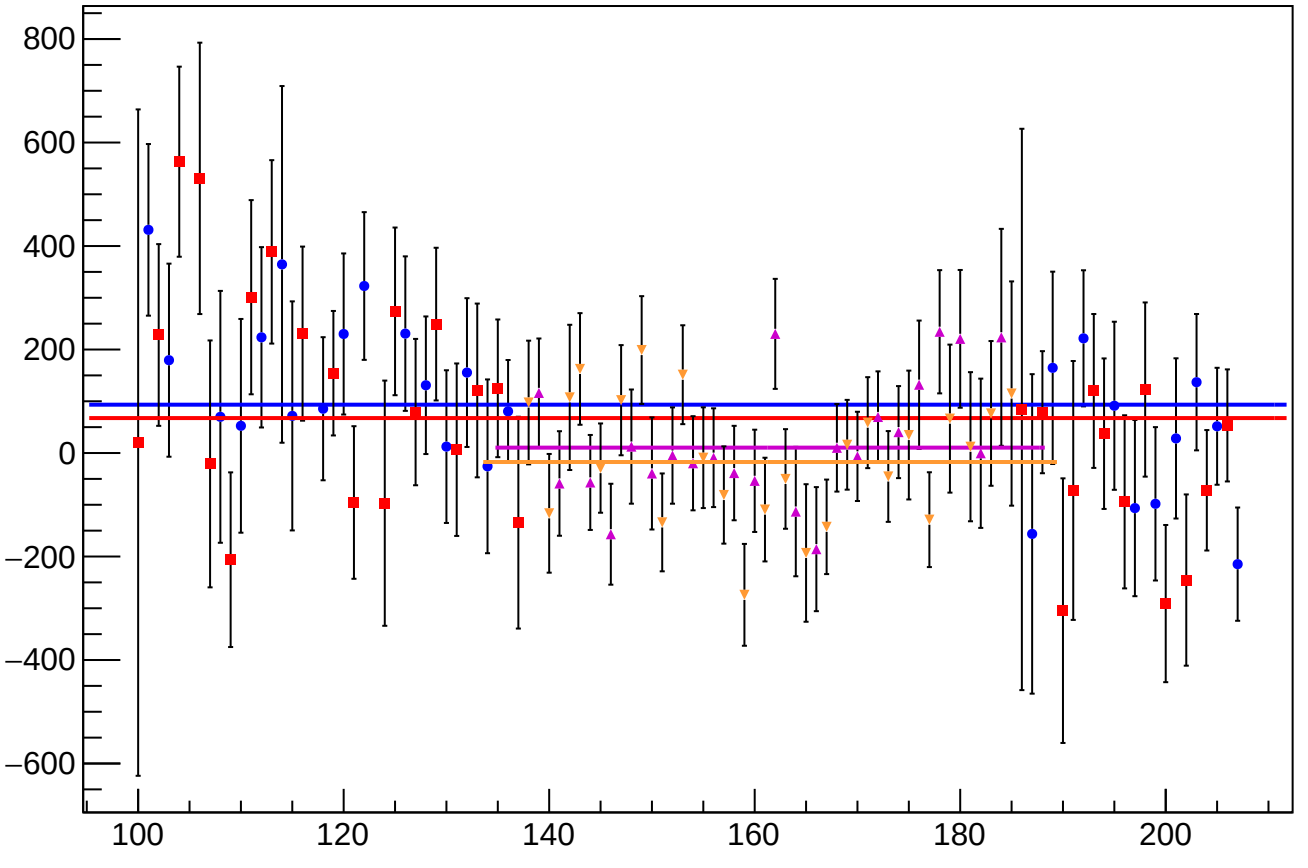
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1788.935+/-0.240 χ^2/NDF: 6819149.2/56

In: 1000.760+/-0.133 χ^2/NDF:9422498.7/48

Out: 1001.931+/-0.130 χ^2/NDF:11349545.0/55

All: 1001.360+/-0.093 χ^2/NDF: 20772083.6/



Right In: 93.416+/-29.893 χ^2/NDF: 24.0/25

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

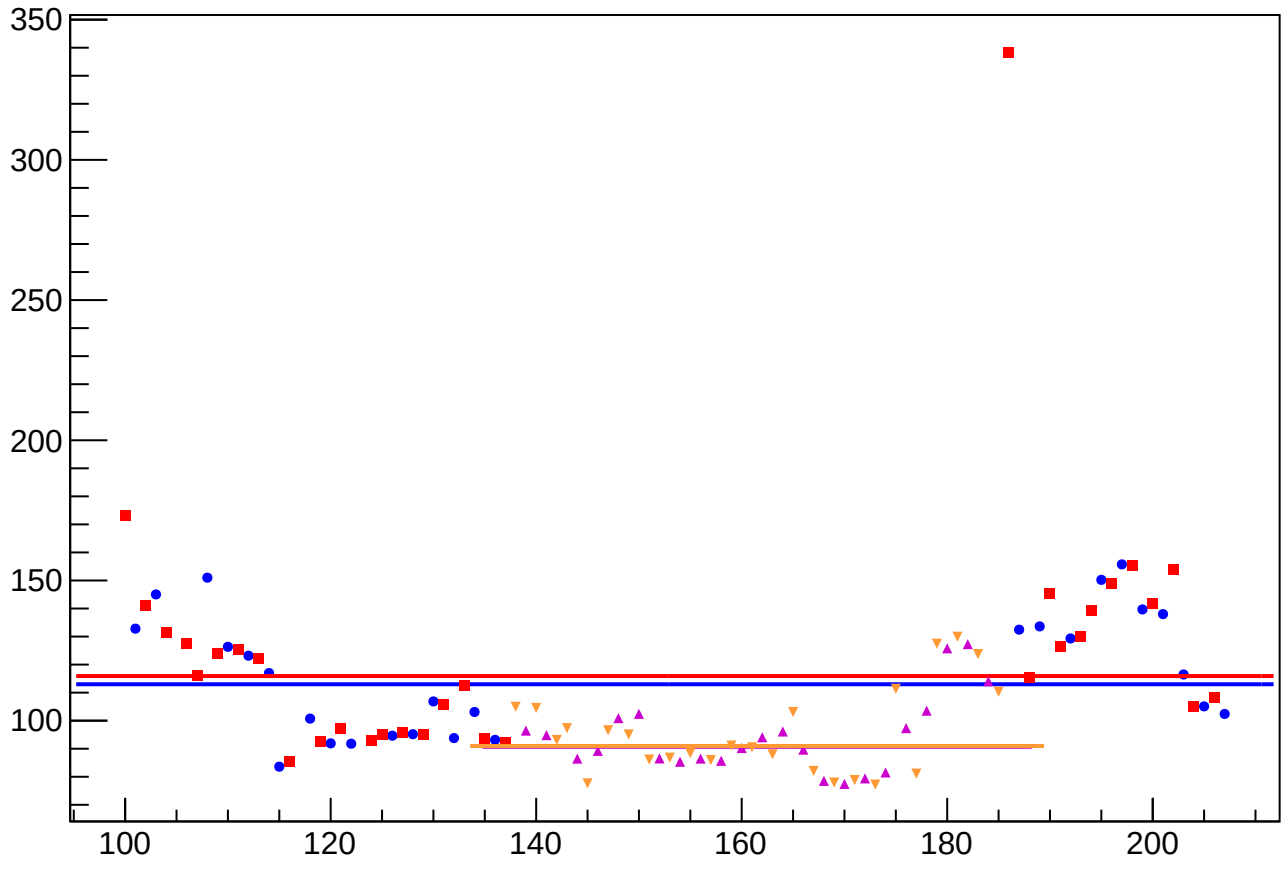
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 80.270+/-20.969 χ^2/NDF: 65.2/56

In: 38.716+/-17.456 χ^2/NDF:51.8/48

Out: 11.271+/-17.085 χ^2/NDF:77.5/55

All: 24.699+/-12.210 χ^2/NDF: 130.5/104



Right In: 112.986+/-0.021 χ^2/NDF: 917279.4/25

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

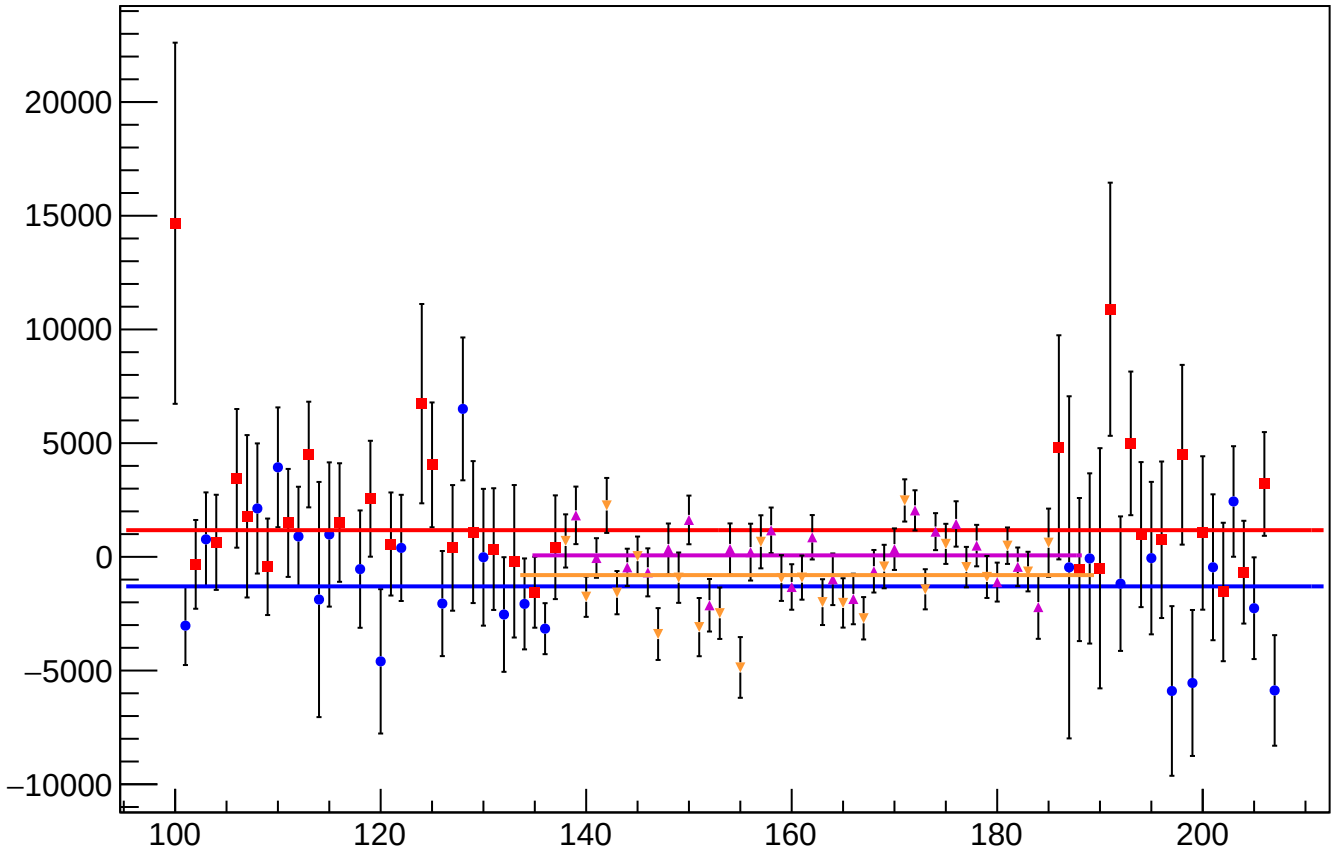
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 114.473+/-0.015 χ^2/NDF: 2224542.0/56

In: 98.293+/-0.012 χ^2/NDF:2196459.8/48

Out: 99.379+/-0.012 χ^2/NDF:3034960.3/55

All: 98.848+/-0.009 χ^2/NDF: 5235375.1/104



Right In: -1298.363+/-481.545 χ^2/NDF: 29.9/25

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1173.191+/-490.010 χ^2/NDF: 21.8/30

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

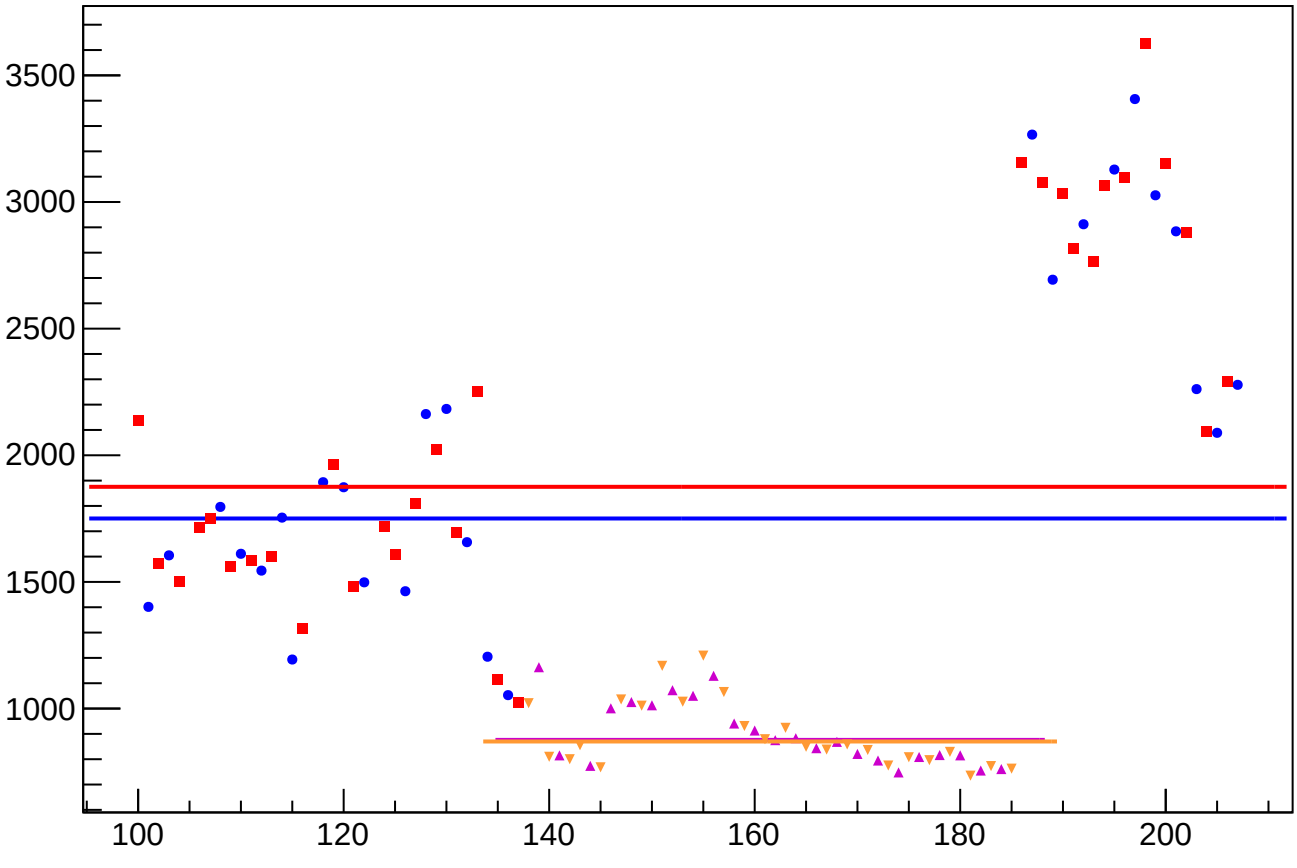
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -84.118+/-343.457 χ^2/NDF: 64.7/56

In: -146.893+/-189.923 χ^2/NDF:67.4/48

Out: -520.757+/-185.052 χ^2/NDF:94.1/55

All: -338.681+/-132.540 χ^2/NDF: 163.4/104



Right In: 1750.437+/-0.341 χ^2/NDF: 3284076.3/25

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

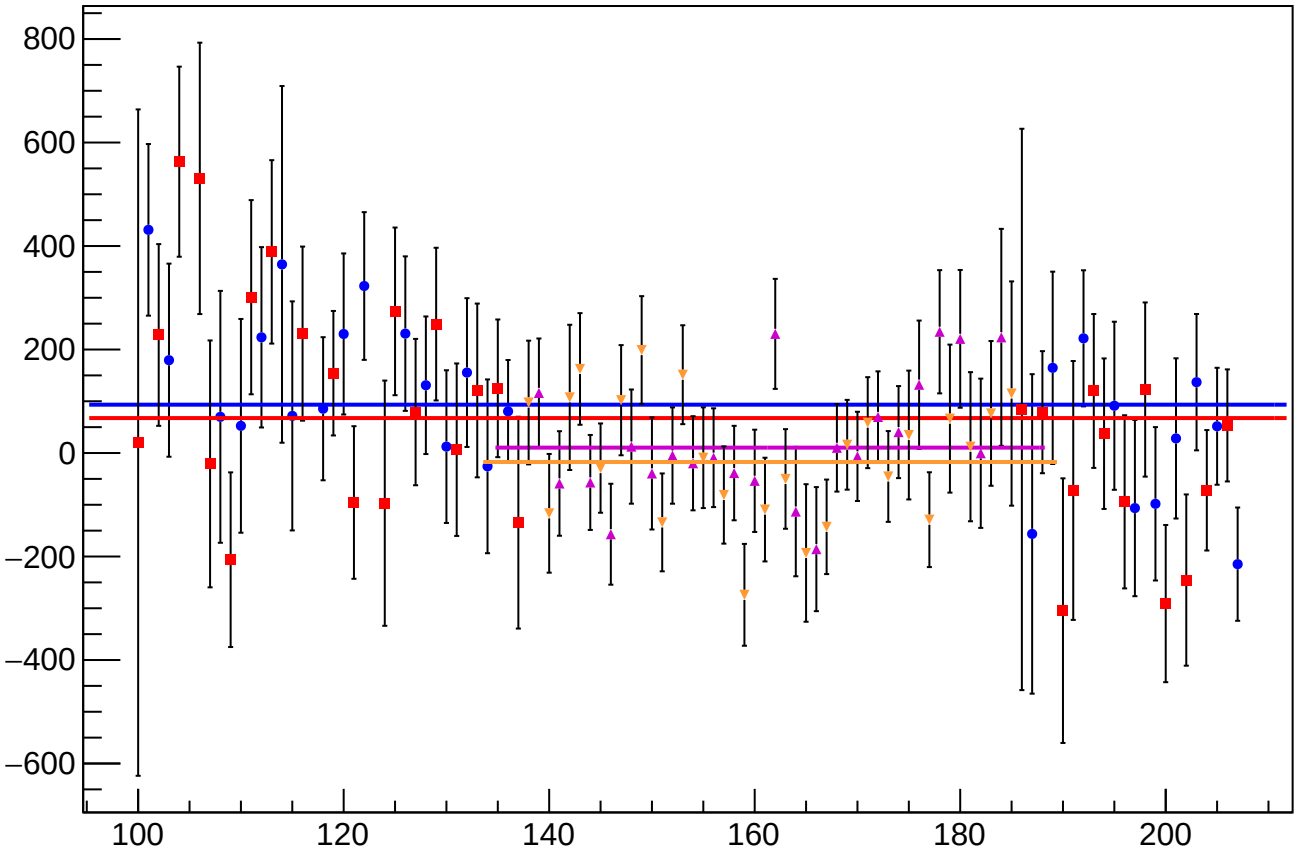
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1811.878+/-0.243 χ^2/NDF: 6792206.3/56

In: 1012.253+/-0.134 χ^2/NDF:9446897.8/48

Out: 1013.410+/-0.131 χ^2/NDF:11309326.7/55

All: 1012.847+/-0.094 χ^2/NDF: 20756262.5/



Right In: 93.419+/-29.893 χ^2/NDF: 24.0/25

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

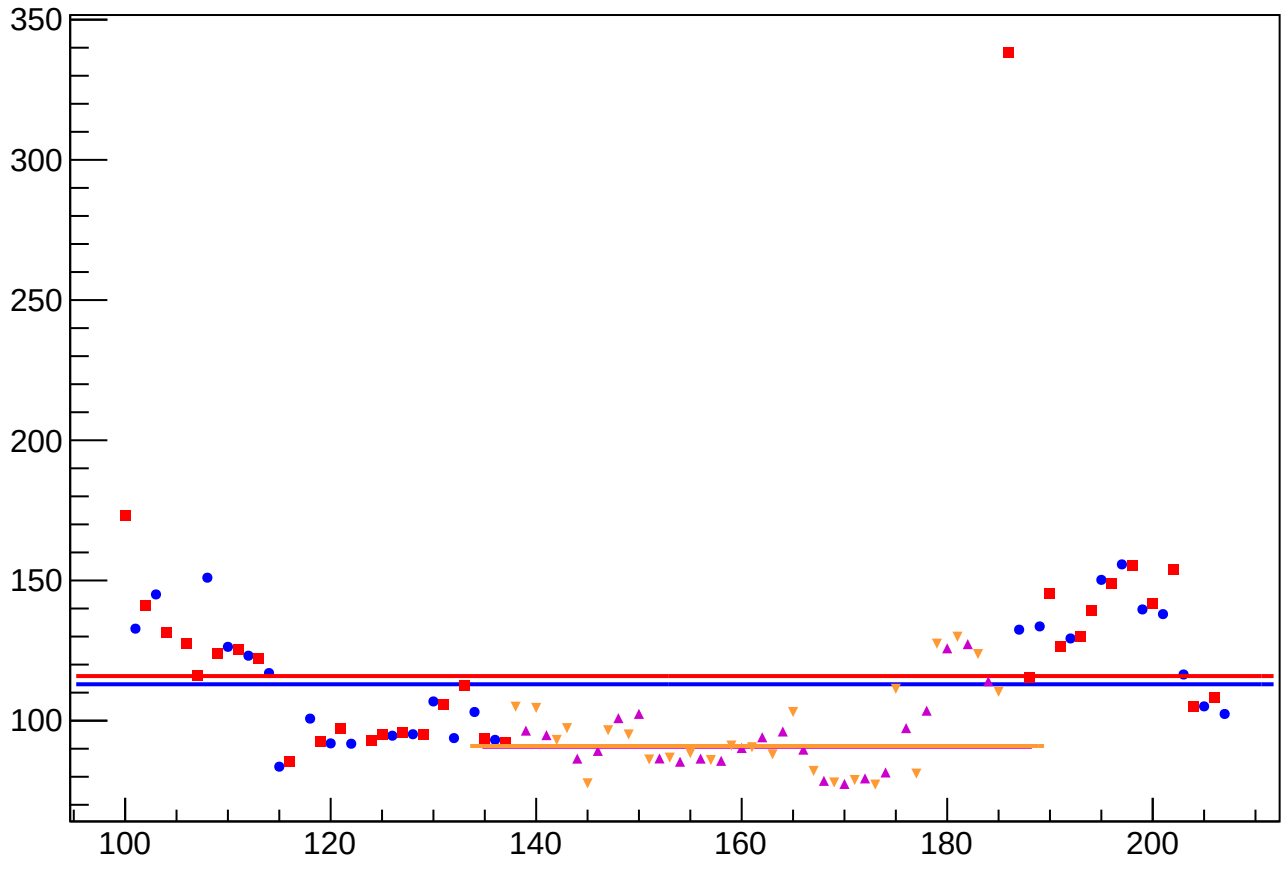
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 80.272+/-20.969 χ^2/NDF: 65.2/56

In: 38.717+/-17.456 χ^2/NDF:51.8/48

Out: 11.272+/-17.085 χ^2/NDF:77.5/55

All: 24.700+/-12.210 χ^2/NDF: 130.5/104



Right In: 112.985+/-0.021 χ^2/NDF: 917299.7/25

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

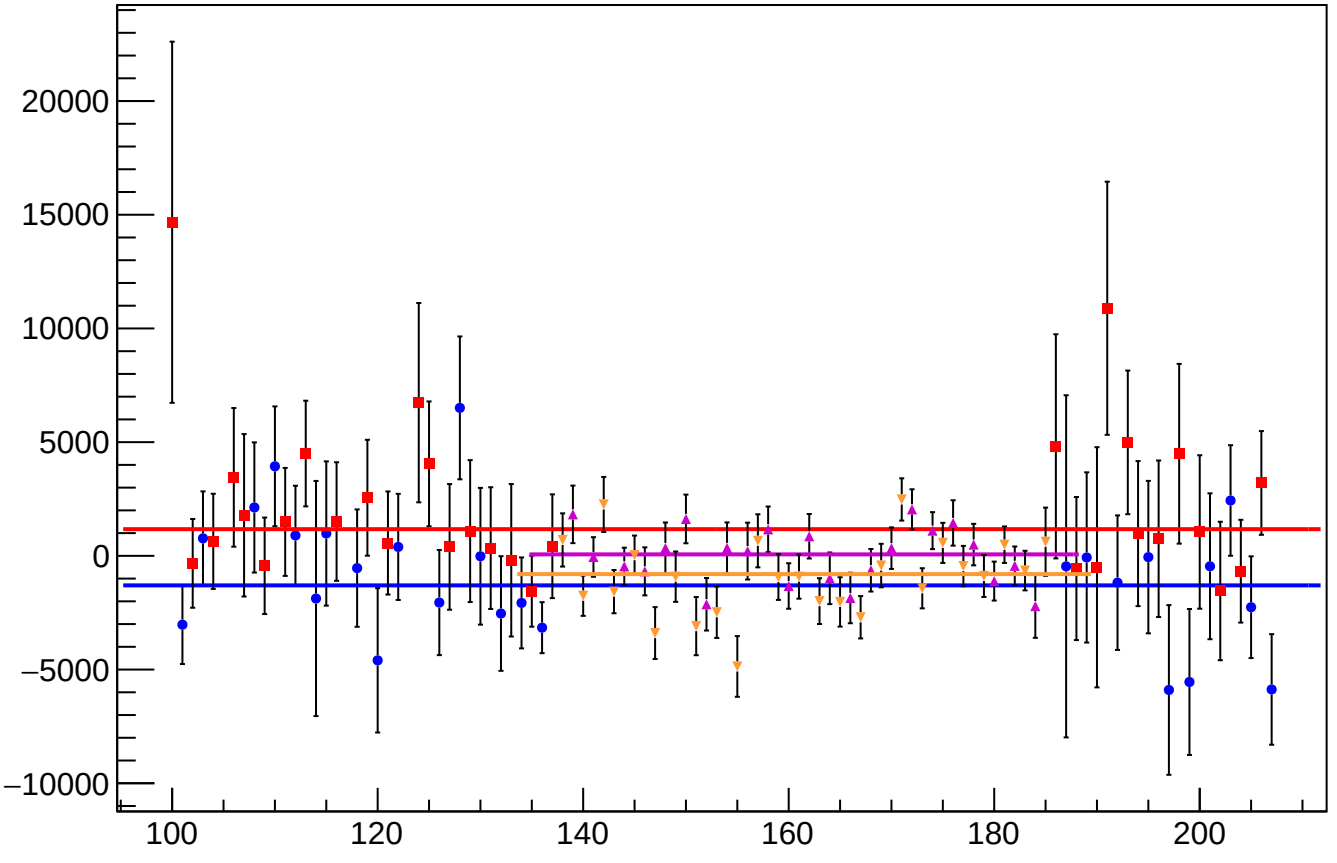
Right: 114.472+/-0.015 χ^2/NDF: 2224586.8/56

In: 98.293+/-0.012 χ^2/NDF:2196429.4/48

Out: 99.379+/-0.012 χ^2/NDF:3034948.0/55

All: 98.848+/-0.009 χ^2/NDF: 5235333.7/104

asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1298.359+/-481.544 χ^2/NDF: 29.9/25

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

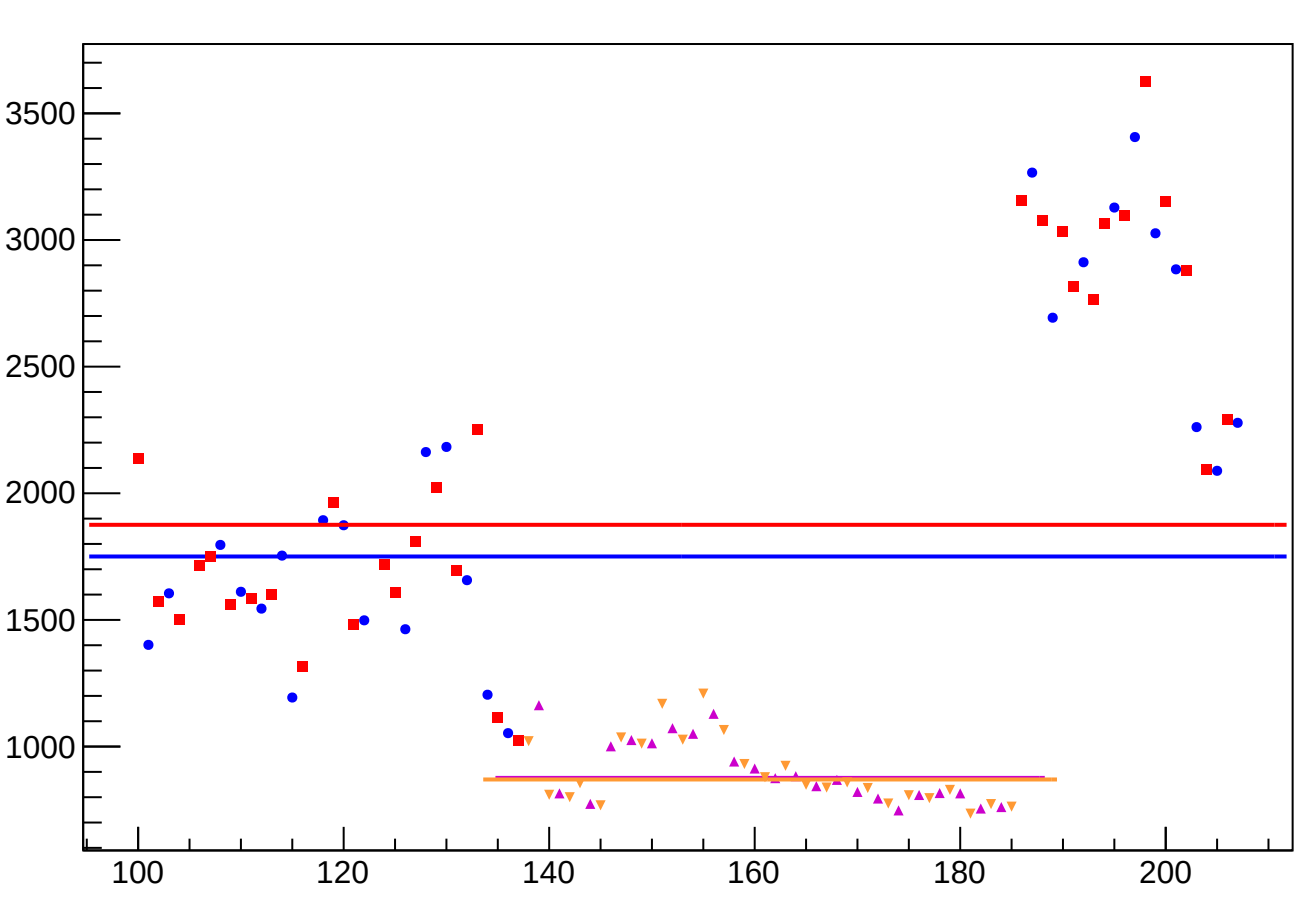
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -84.116+/-343.457 χ^2/NDF: 64.7/56

In: -146.893+/-189.923 χ^2/NDF:67.4/48

Out: -520.756+/-185.052 χ^2/NDF:94.1/55

All: -338.681+/-132.540 χ^2/NDF: 163.4/104



Right In: 1750.434+/-0.341 χ^2/NDF: 3284081.7/25

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

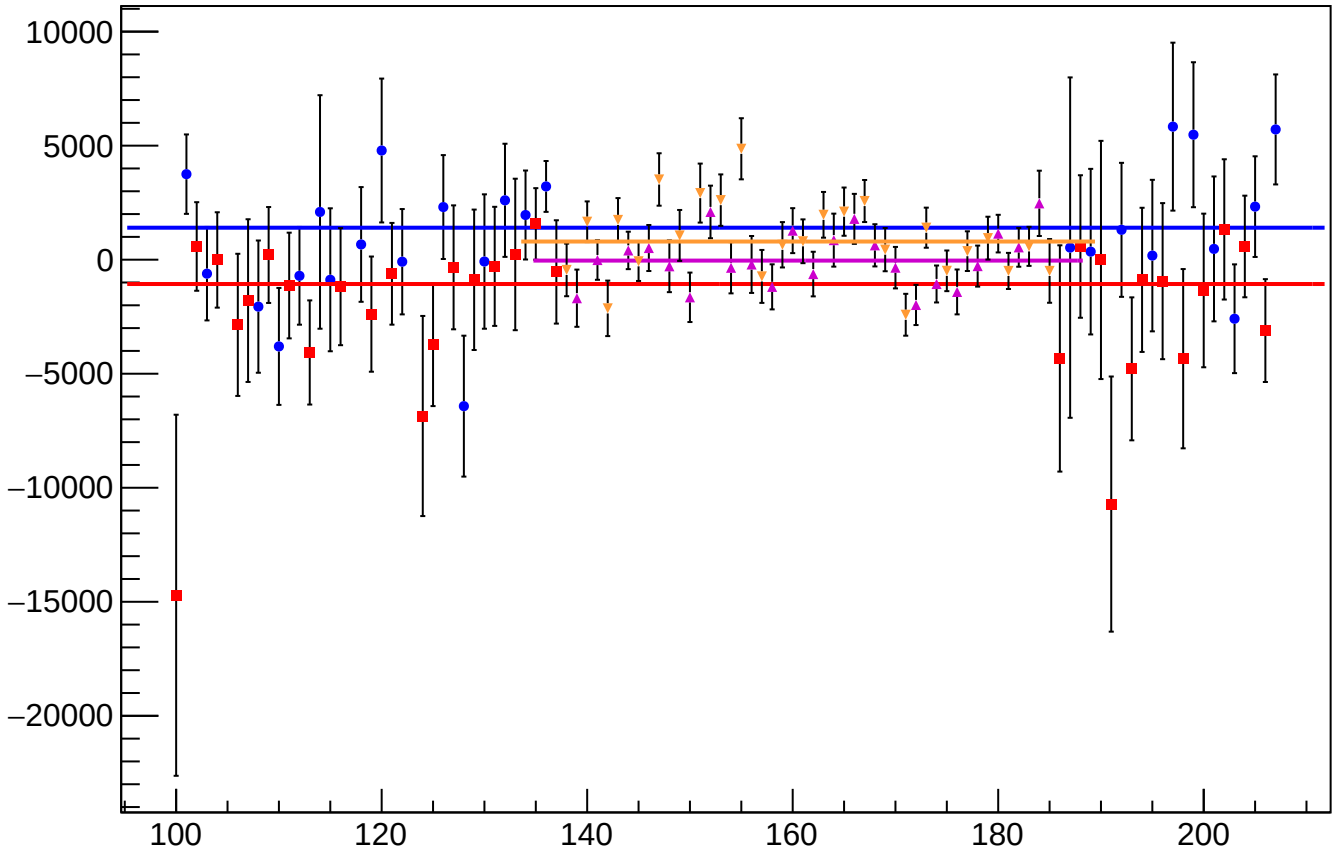
Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

Right: 1811.875+/-0.243 χ^2/NDF: 6792222.6/56

In: 1012.252+/-0.134 χ^2/NDF:9446894.1/48

Out: 1013.409+/-0.131 χ^2/NDF:11309324.7/55

All: 1012.846+/-0.094 χ^2/NDF: 20756256.9/



Right In: 1402.438+/-476.171 χ^2/NDF: 30.9/25

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

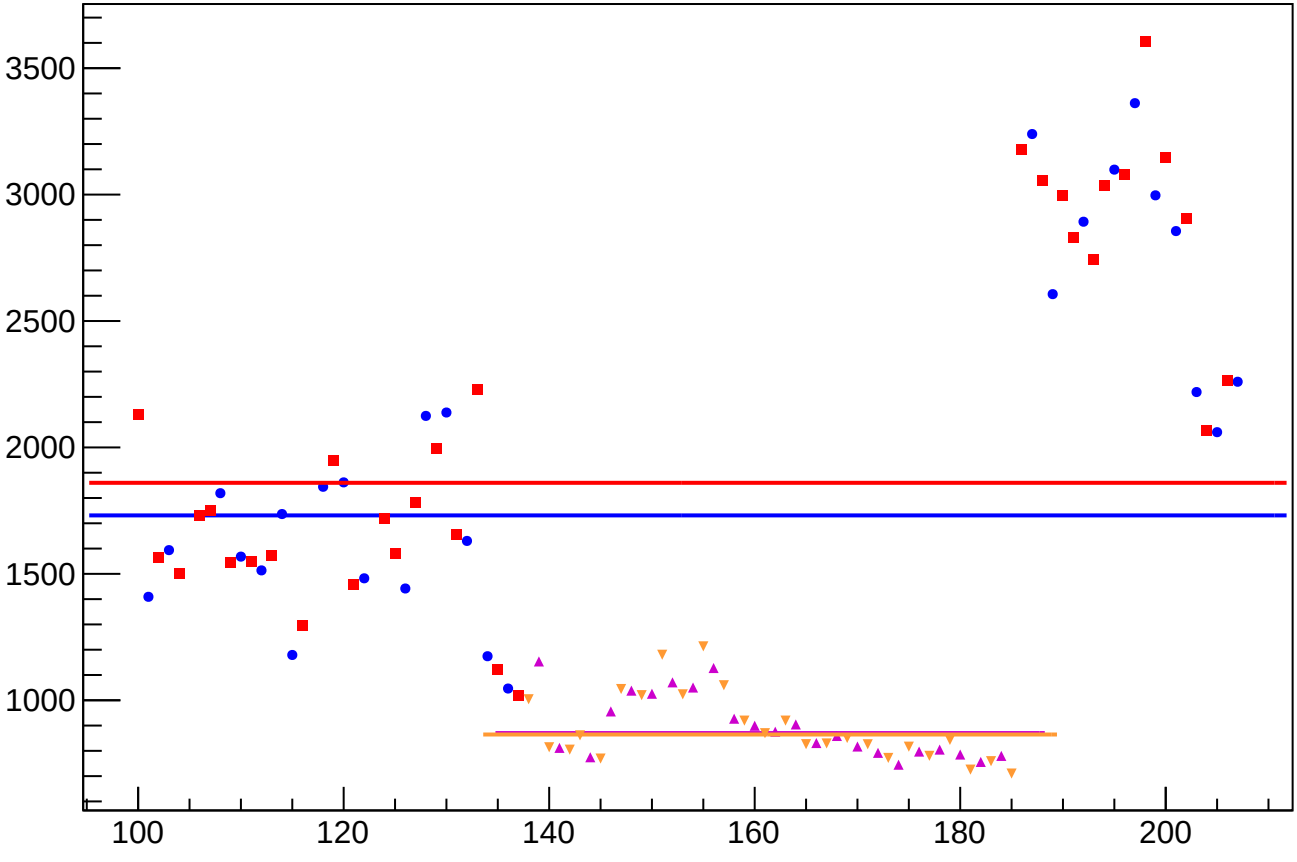
Right: 193.764+/-340.209 χ^2/NDF: 64.5/56

In: 186.409+/-188.562 χ^2/NDF:68.3/48

Out: 529.486+/-184.016 χ^2/NDF:90.2/55

All: 362.133+/-131.697 χ^2/NDF: 160.2/104

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1731.203+/-0.337 χ^2/NDF: 3257755.2/25

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

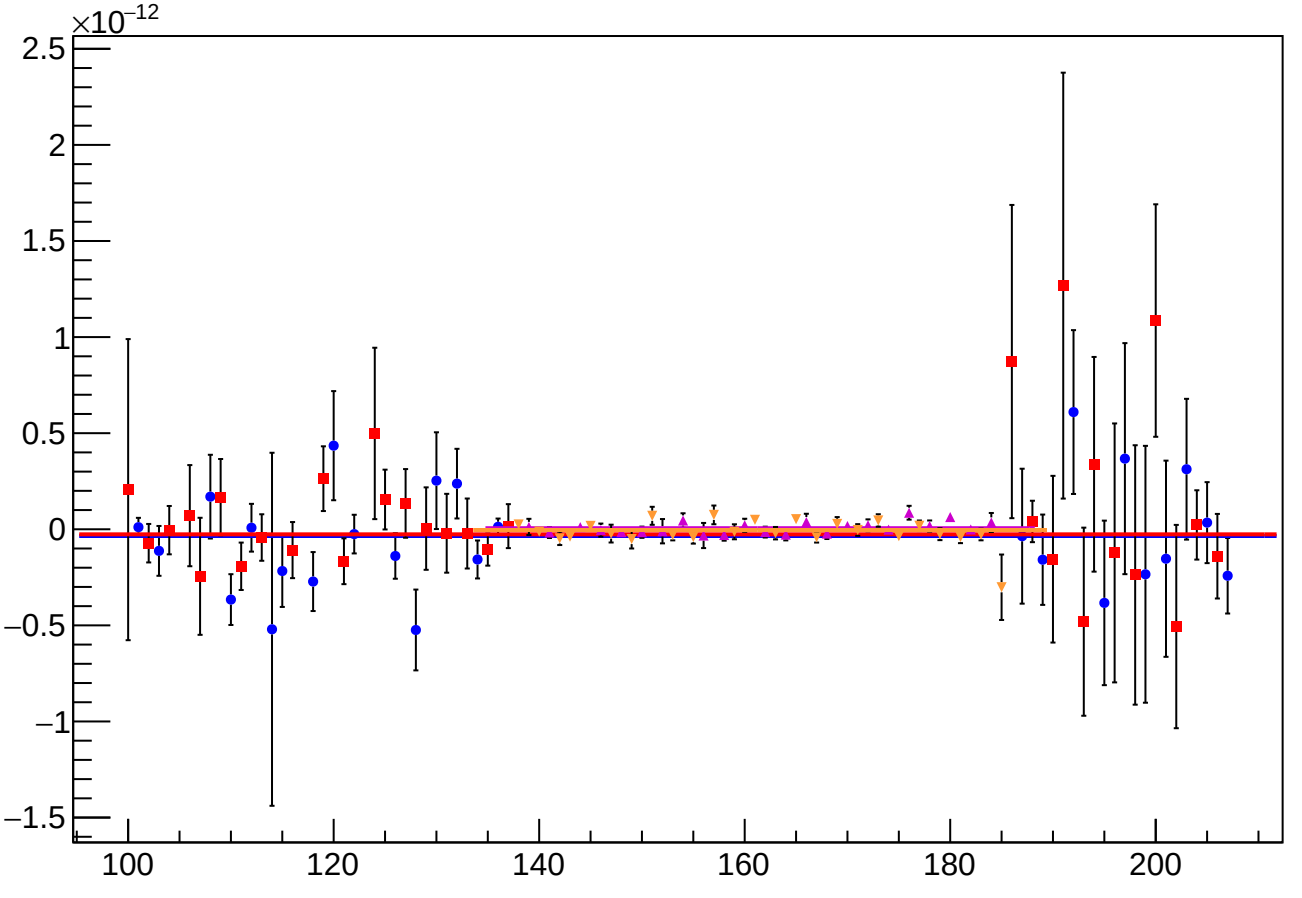
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1794.290+/-0.241 χ^2/NDF: 6783438.6/56

In: 1005.341+/-0.133 χ^2/NDF:9374028.4/48

Out: 1007.203+/-0.130 χ^2/NDF:11324492.9/55

All: 1006.294+/-0.093 χ^2/NDF: 20698621.3/1



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/25

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

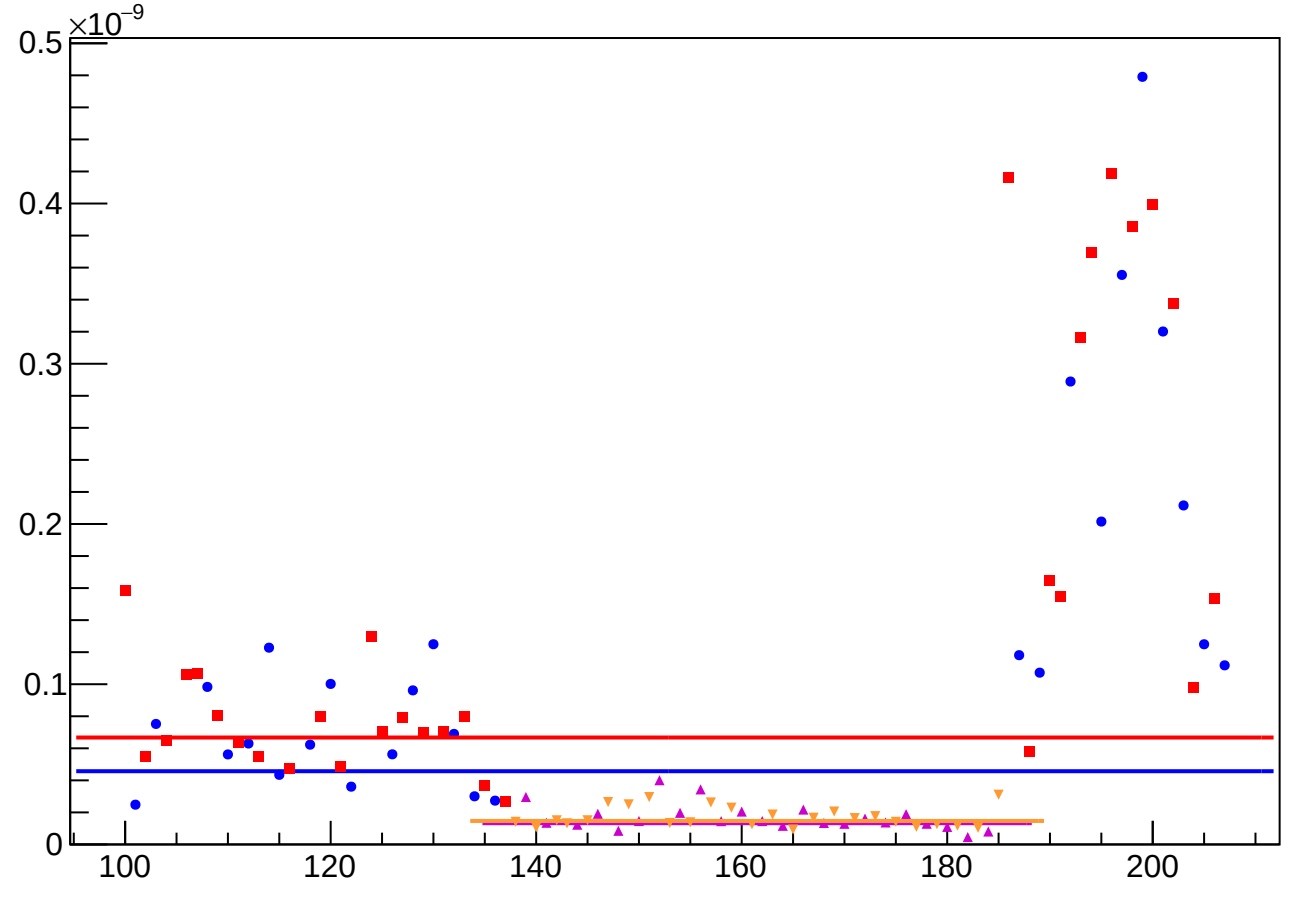
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 55.4/56

In: 0.000+/-0.000 χ^2/NDF:56.6/48

Out: -0.000+/-0.000 χ^2/NDF:61.3/55

All: -0.000+/-0.000 χ^2/NDF: 118.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 5555826.1/25

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

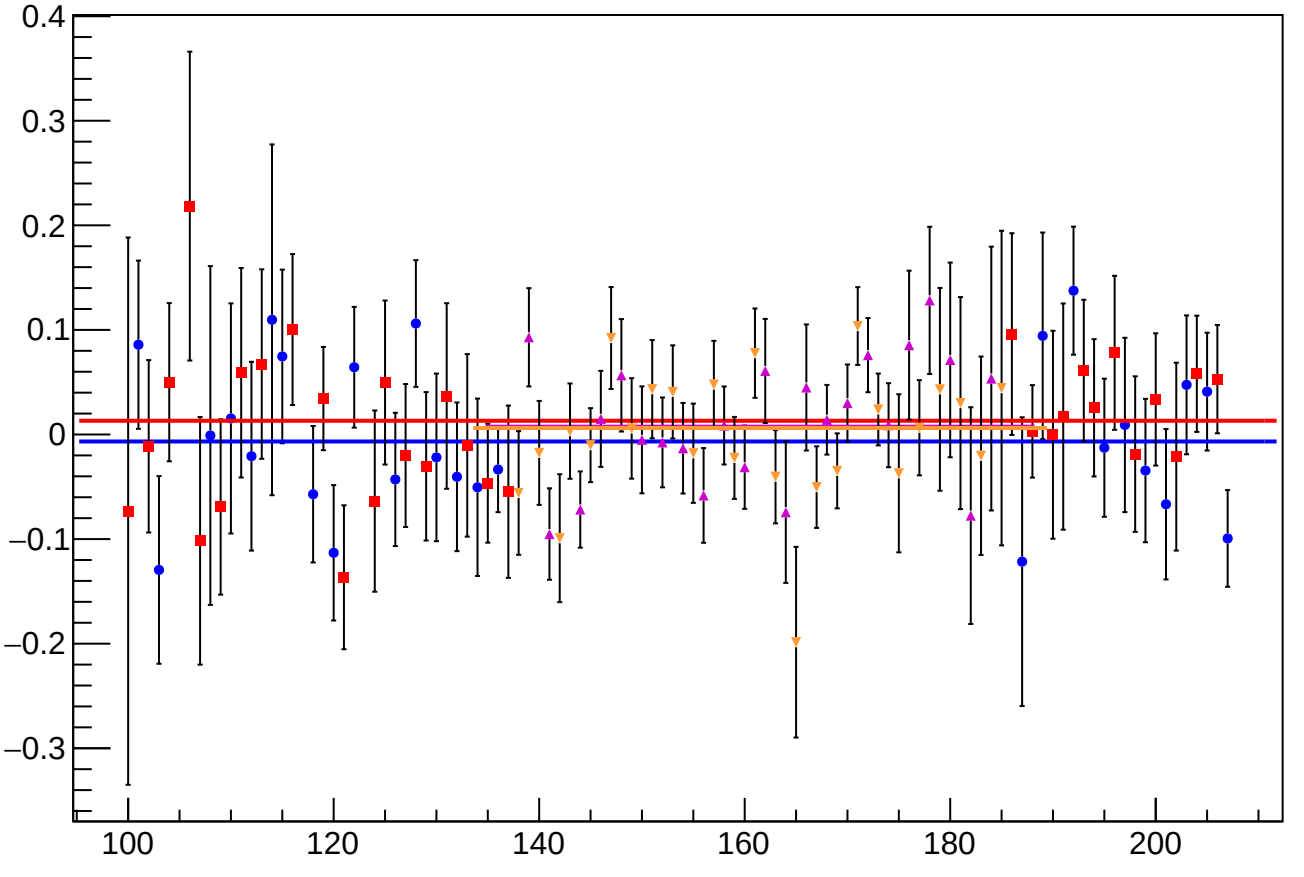
Right: 0.000+/-0.000 χ^2/NDF: 11045434.6/56

In: 0.000+/-0.000 χ^2/NDF:10891958.6/48

Out: 0.000+/-0.000 χ^2/NDF:11424986.2/55

All: 0.000+/-0.000 χ^2/NDF: 22374572.5/104

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.007+/-0.014 χ^2/NDF: 27.9/25

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

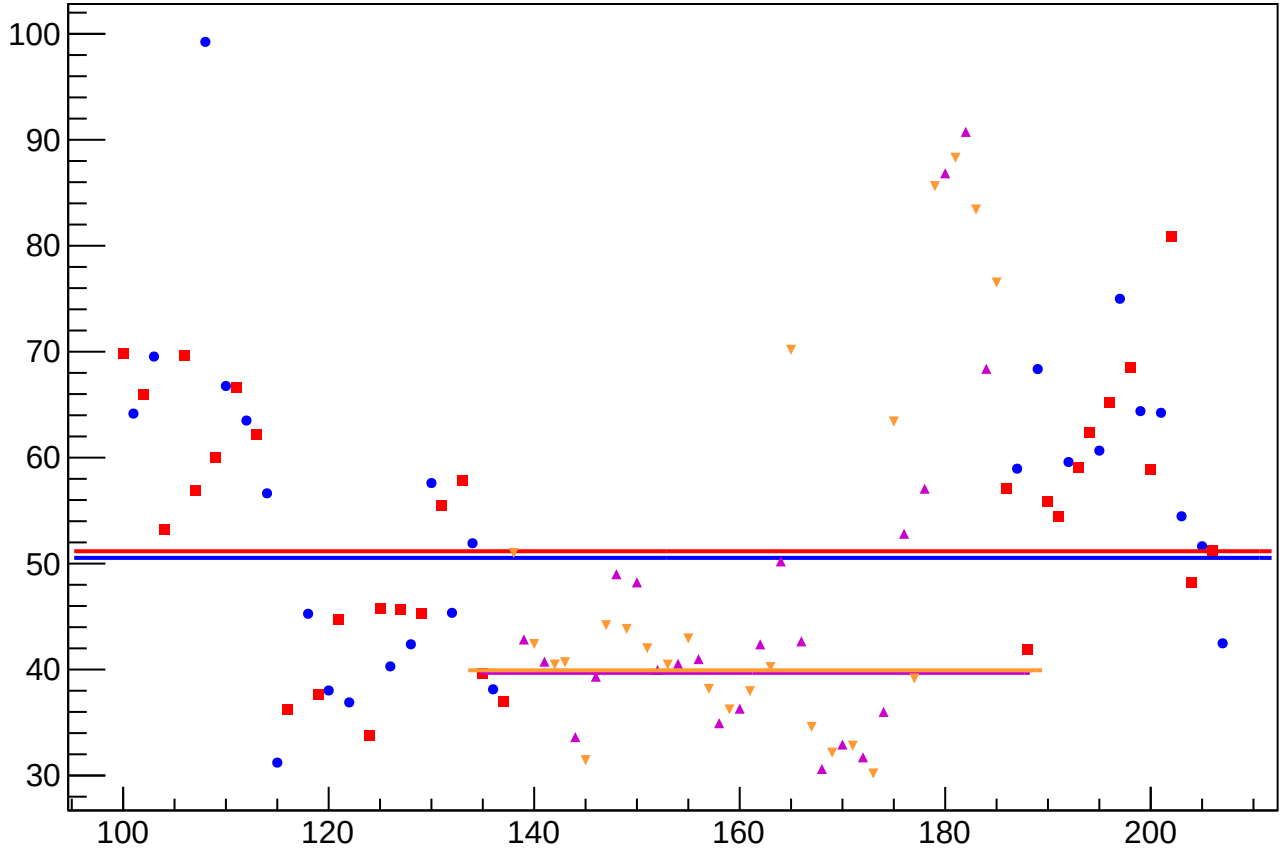
Right: 0.004+/-0.010 χ^2/NDF: 47.5/56

In: 0.003+/-0.008 χ^2/NDF:59.0/48

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.006+/-0.006 χ^2/NDF: 108.8/104

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.539+/-0.010 χ^2/NDF: 1580951.6/25

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

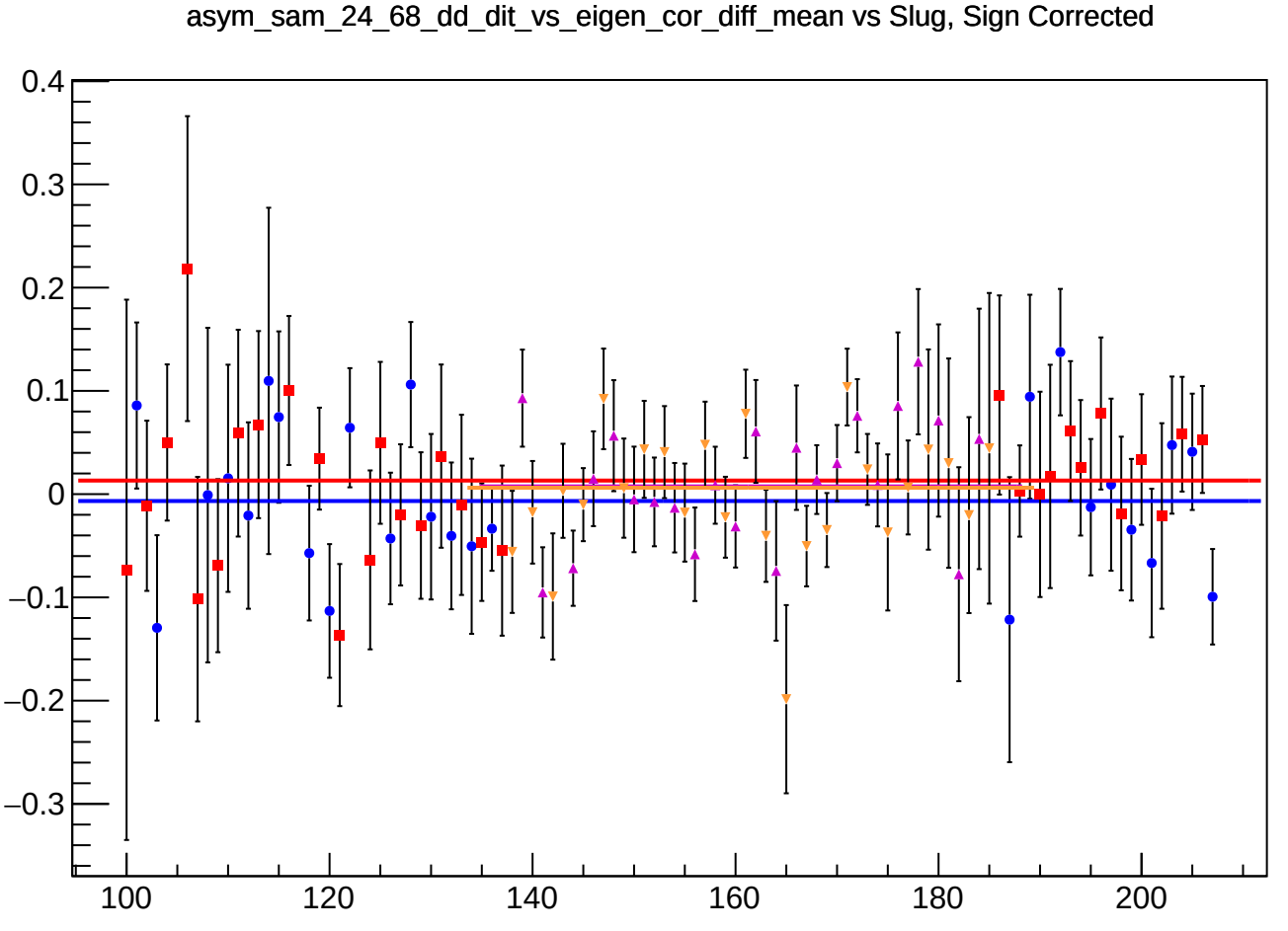
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.866+/-0.007 χ^2/NDF: 2944303.7/56

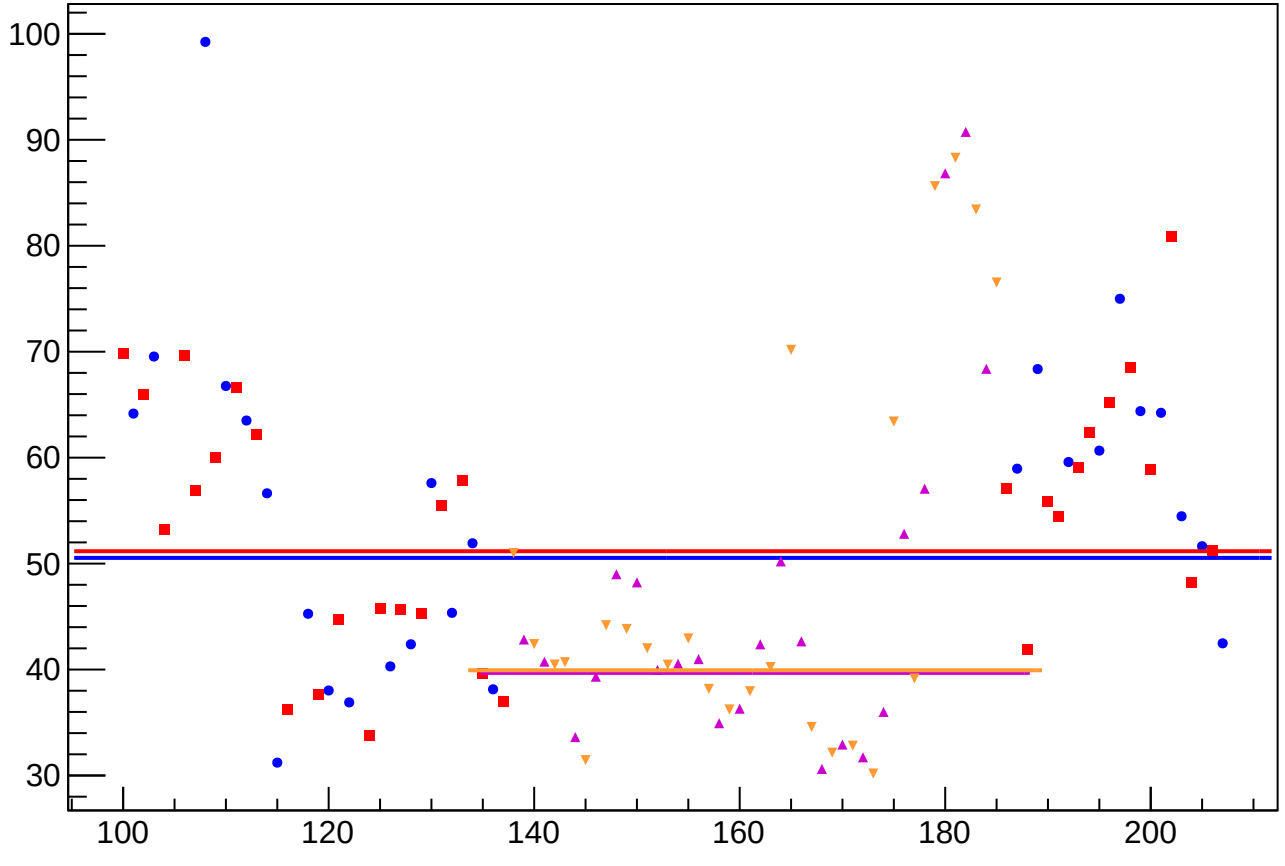
In: 43.334+/-0.006 χ^2/NDF:4325738.3/48

Out: 43.806+/-0.005 χ^2/NDF:4787493.1/55

All: 43.577+/-0.004 χ^2/NDF: 9116838.5/104


asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: -0.007+/-0.014 χ²/NDF: 27.9/25
Left Out: 0.006+/-0.010 χ²/NDF:30.8/24
Right Out: 0.013+/-0.013 χ²/NDF: 18.6/30
Left In: 0.007+/-0.010 χ²/NDF:30.4/22
Left: 0.007+/-0.007 χ²/NDF: 61.3/47
Right: 0.004+/-0.010 χ²/NDF: 47.5/56
In: 0.003+/-0.008 χ²/NDF:59.0/48
Out: 0.009+/-0.008 χ²/NDF:49.6/55
All: 0.006+/-0.006 χ²/NDF: 108.8/104

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.539+/-0.010 χ^2/NDF: 1580951.6/25

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

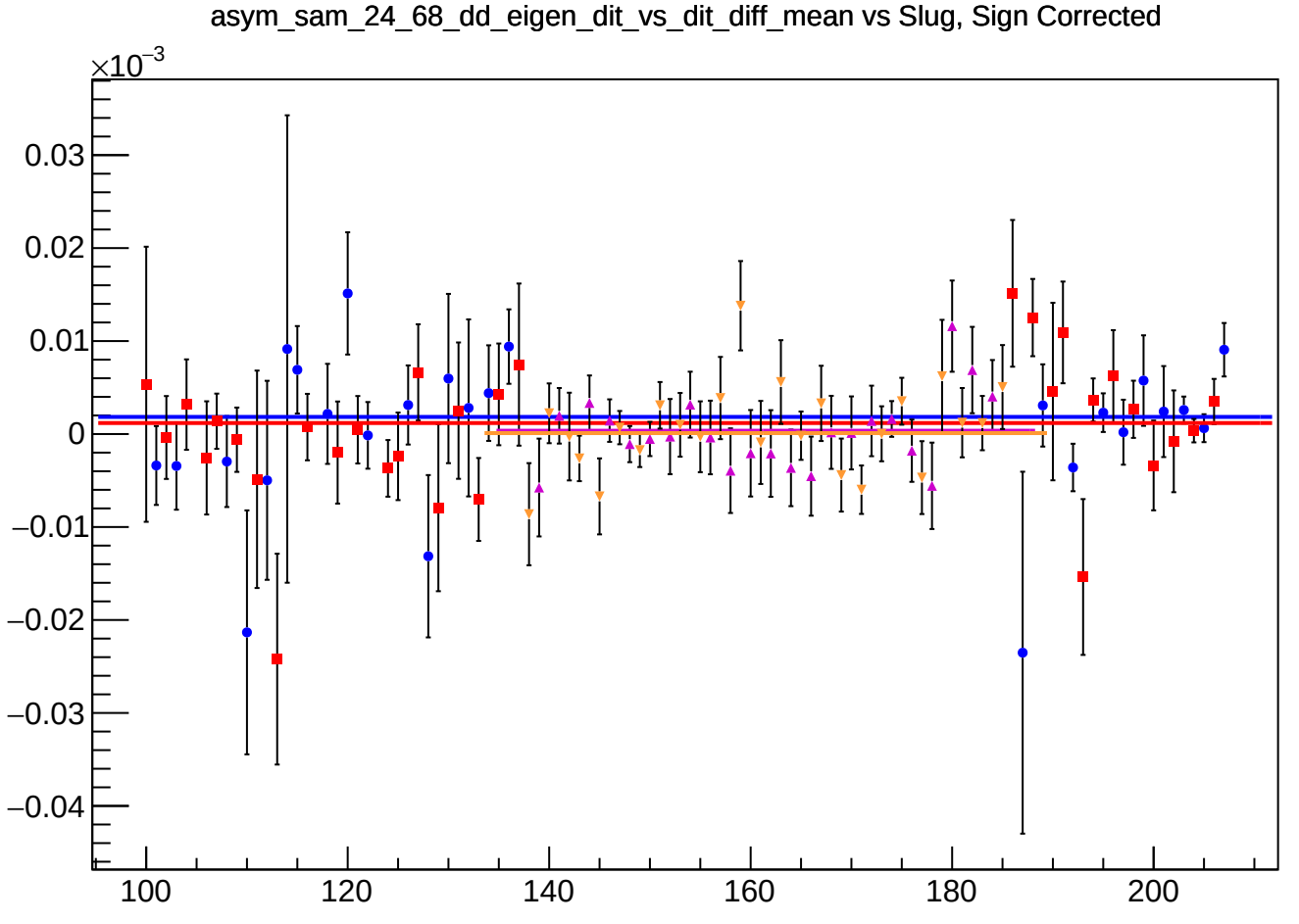
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 50.866+/-0.007 χ^2/NDF: 2944303.7/56

In: 43.334+/-0.006 χ^2/NDF:4325738.3/48

Out: 43.806+/-0.005 χ^2/NDF:4787493.1/55

All: 43.577+/-0.004 χ^2/NDF: 9116838.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 34.4/25

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

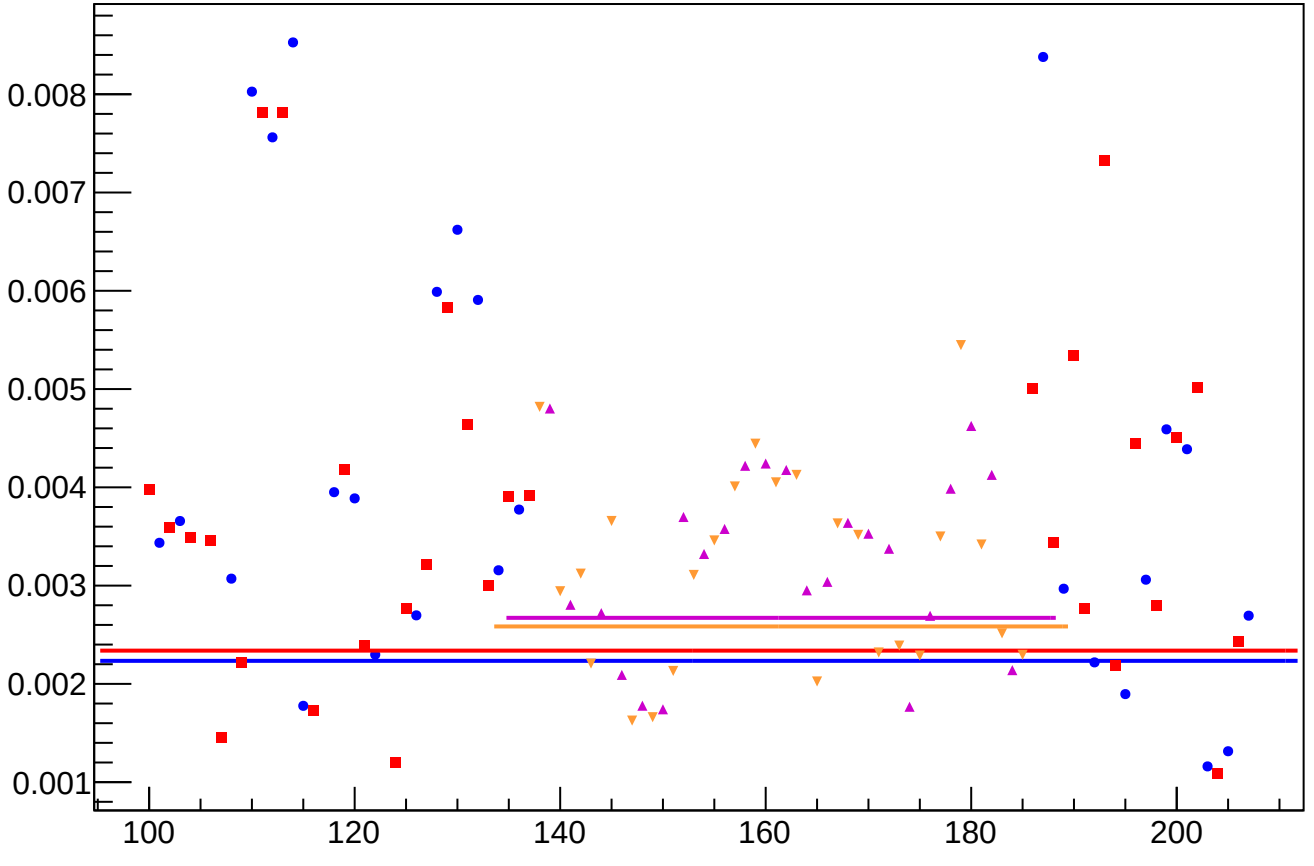
Right: 0.000+/-0.000 χ^2/NDF: 73.7/56

In: 0.000+/-0.000 χ^2/NDF:55.6/48

Out: 0.000+/-0.000 χ^2/NDF:73.4/55

All: 0.000+/-0.000 χ^2/NDF: 129.5/104

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6460224.6/25

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

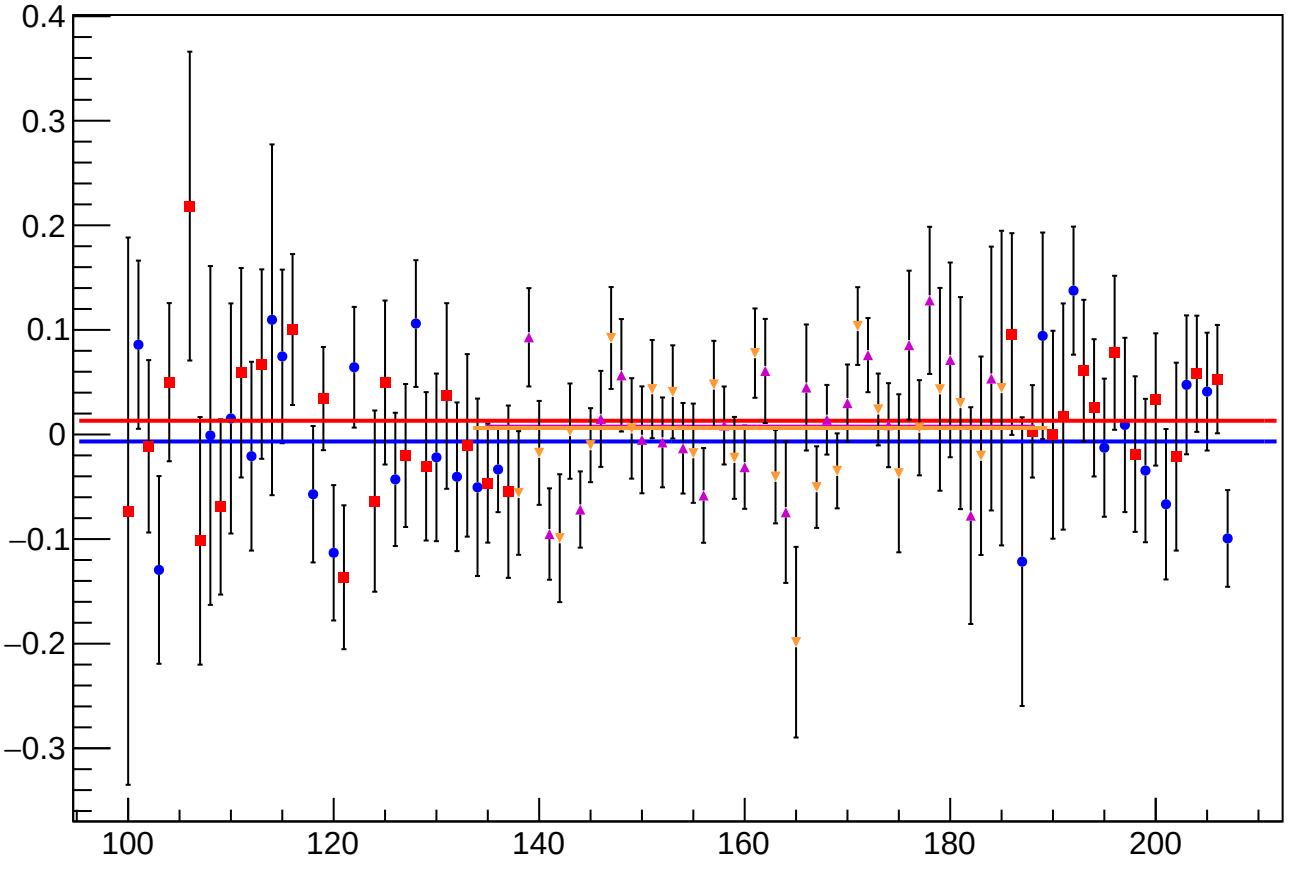
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.002+/-0.000 χ^2/NDF: 13912783.9/56

In: 0.002+/-0.000 χ^2/NDF:10708146.8/48

Out: 0.002+/-0.000 χ^2/NDF:11464033.1/55

All: 0.002+/-0.000 χ^2/NDF: 22173215.4/104



Right In: -0.007+/-0.014 χ^2/NDF: 27.9/25

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

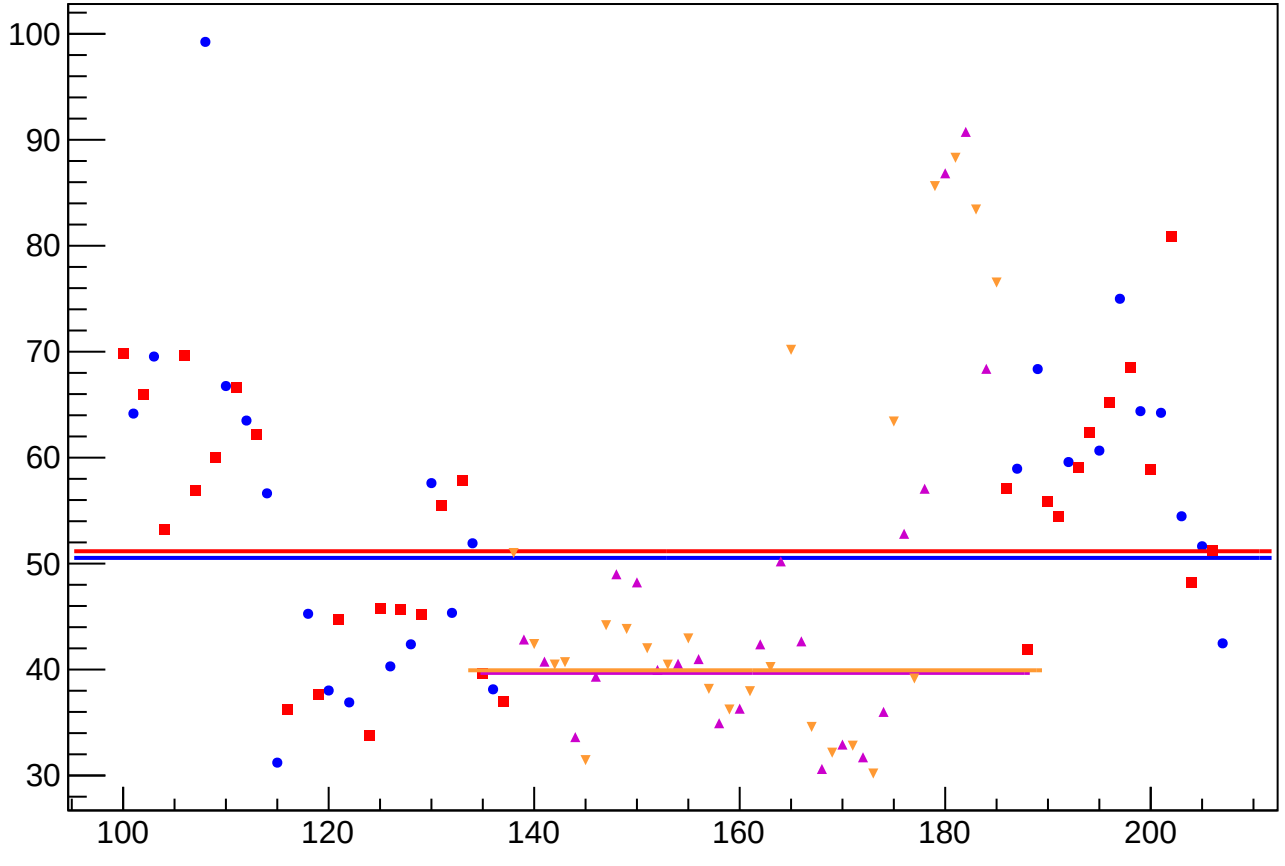
Right: 0.004+/-0.010 χ^2/NDF: 47.5/56

In: 0.003+/-0.008 χ^2/NDF:59.0/48

Out: 0.009+/-0.008 χ^2/NDF:49.6/55

All: 0.006+/-0.006 χ^2/NDF: 108.8/104

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.538+/-0.010 χ^2/NDF: 1581002.1/25

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

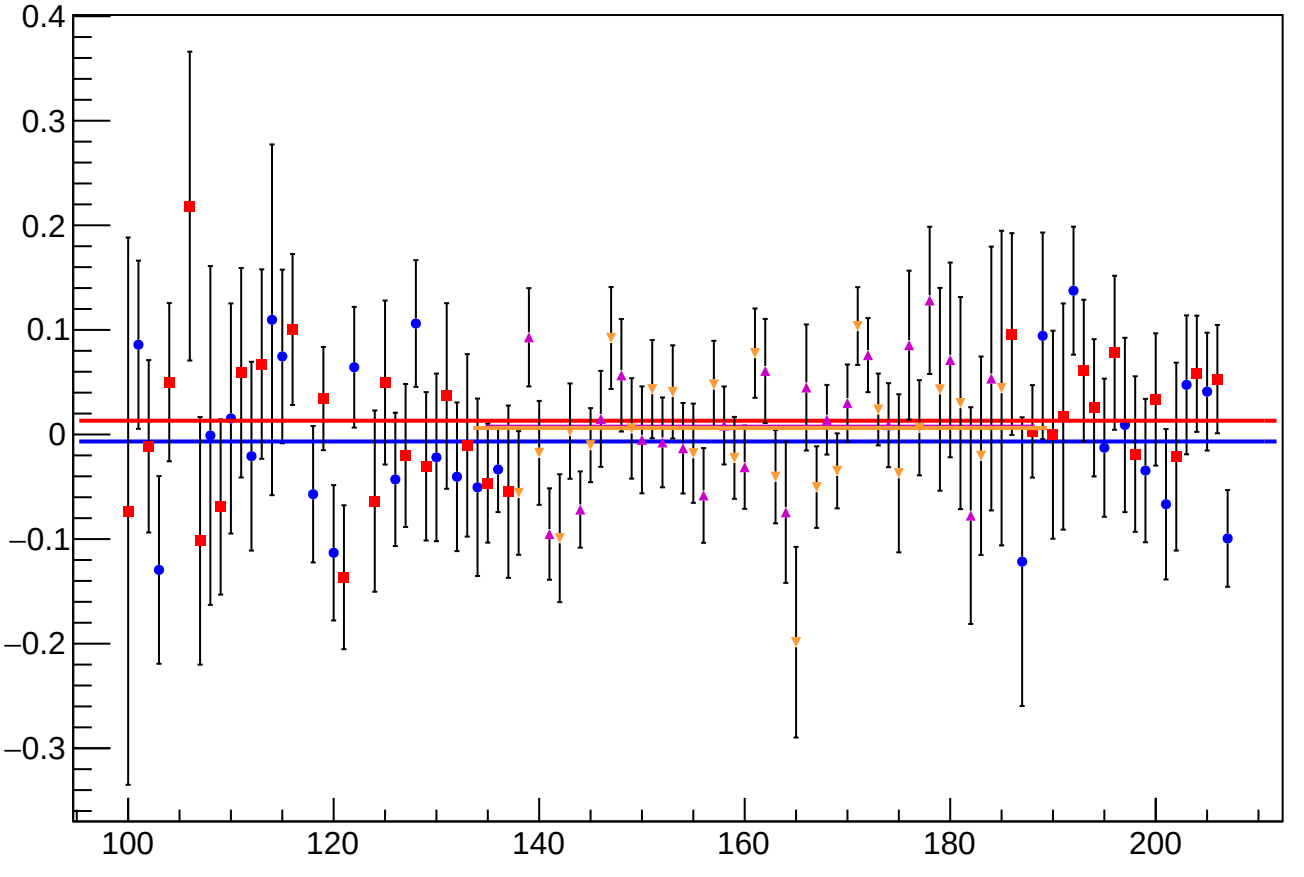
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 50.865+/-0.007 χ^2/NDF: 2944393.4/56

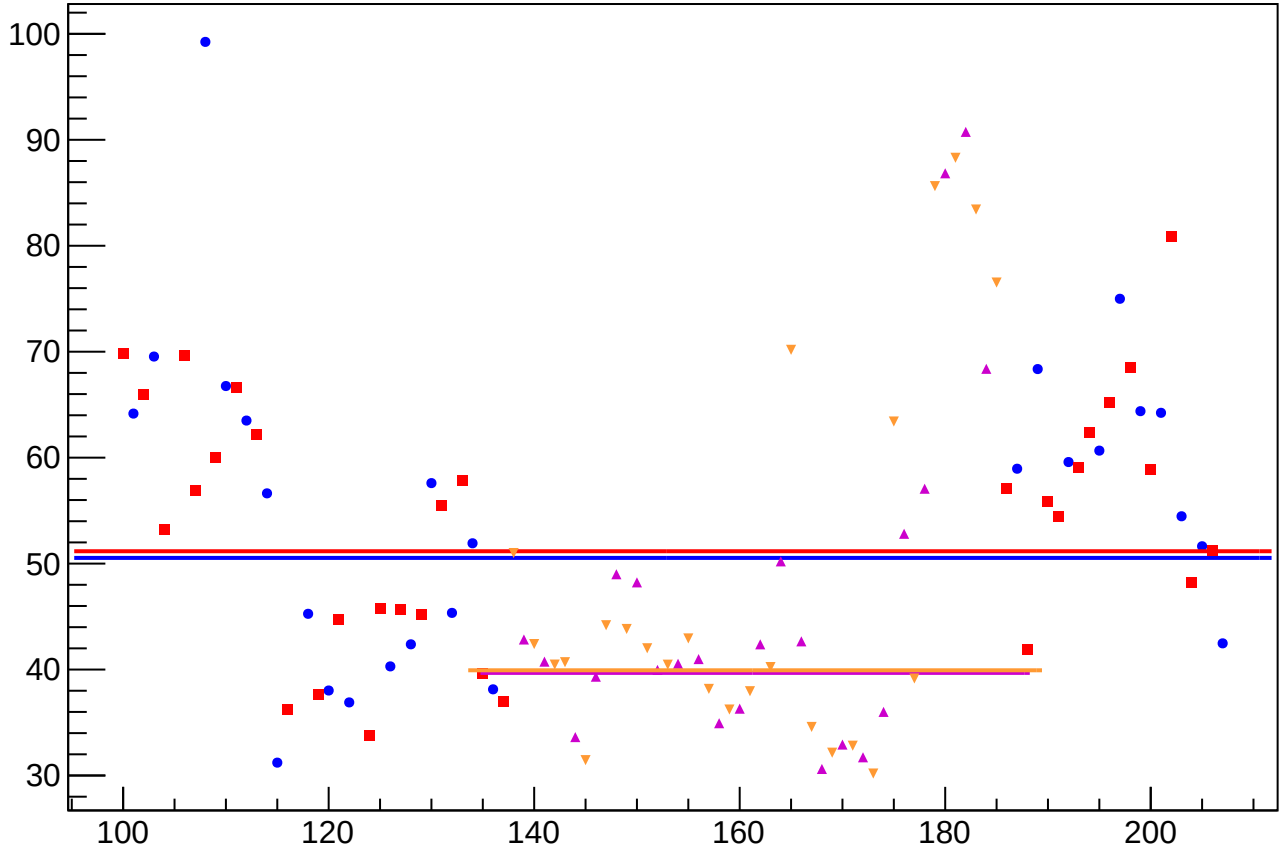
In: 43.334+/-0.006 χ^2/NDF:4325681.3/48

Out: 43.806+/-0.005 χ^2/NDF:4787453.8/55

All: 43.576+/-0.004 χ^2/NDF: 9116747.7/104


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: -0.007+/-0.014 χ²/NDF: 27.9/25
Left Out: 0.006+/-0.010 χ²/NDF:30.8/24
Right Out: 0.013+/-0.013 χ²/NDF: 18.6/30
Left In: 0.007+/-0.010 χ²/NDF:30.4/22
Left: 0.007+/-0.007 χ²/NDF: 61.3/47
Right: 0.004+/-0.010 χ²/NDF: 47.5/56
In: 0.003+/-0.008 χ²/NDF:59.0/48
Out: 0.009+/-0.008 χ²/NDF:49.6/55
All: 0.006+/-0.006 χ²/NDF: 108.8/104

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.538+/-0.010 χ^2/NDF: 1581002.1/25

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

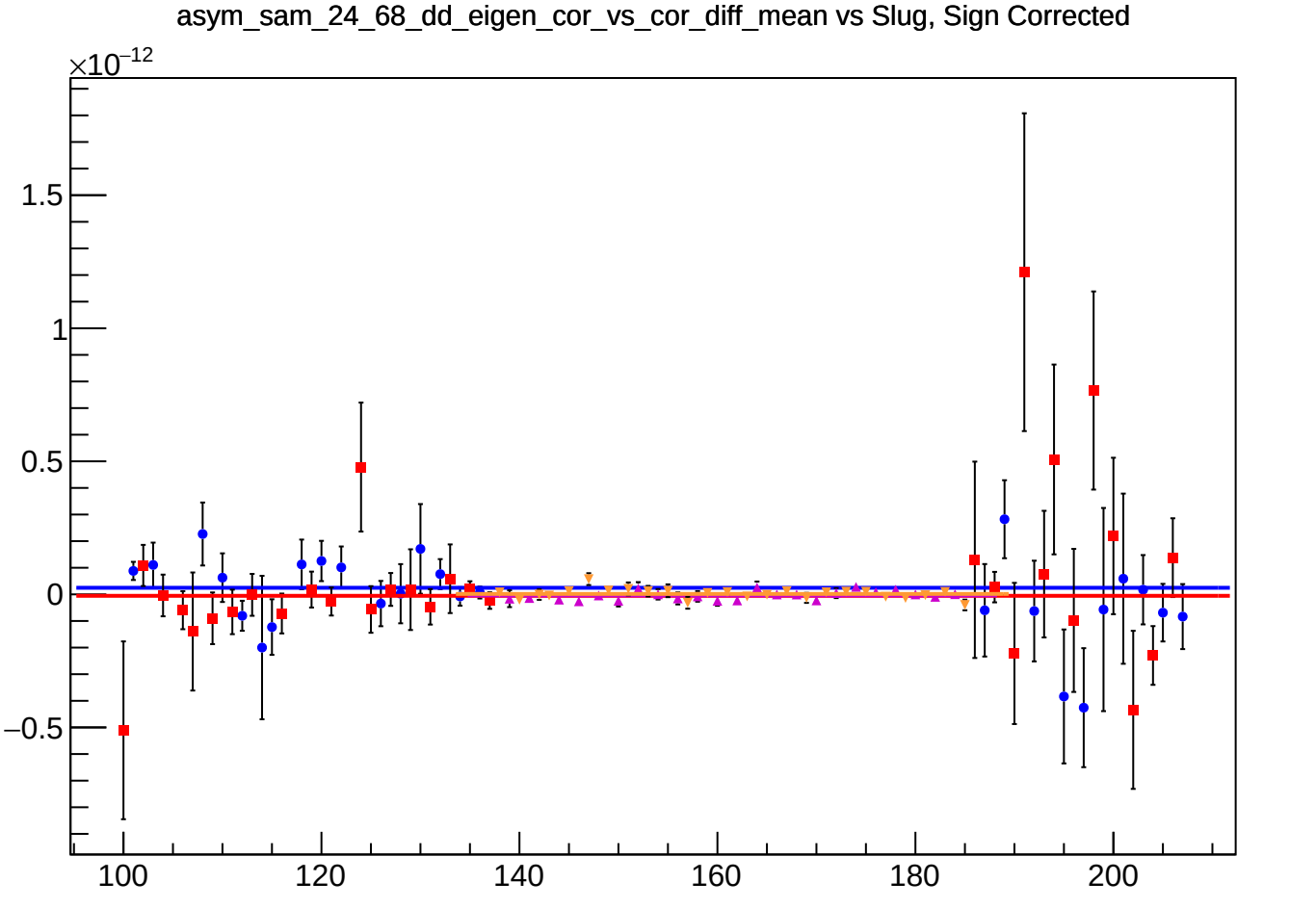
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

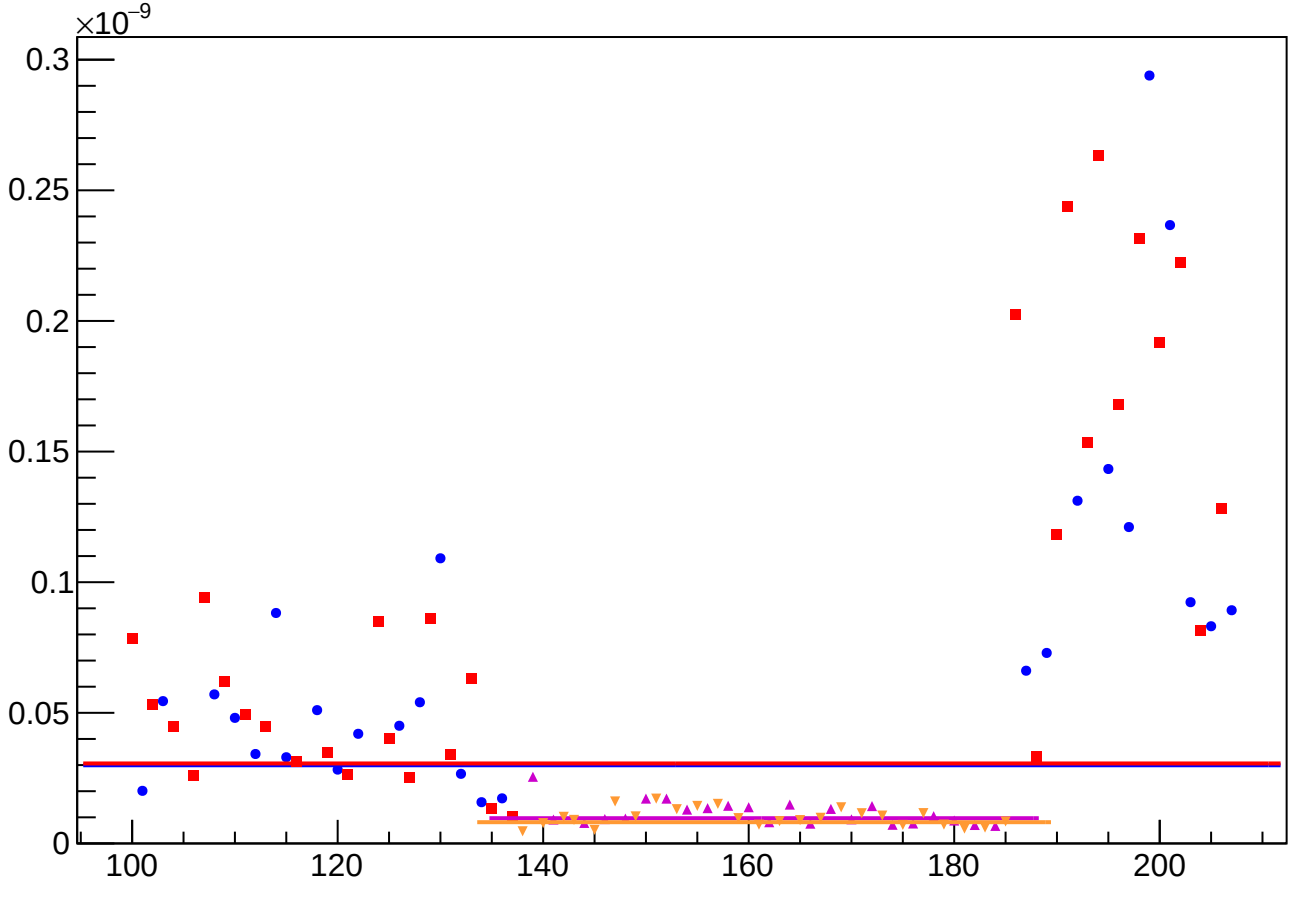
Right: 50.865+/-0.007 χ^2/NDF: 2944393.4/56

In: 43.334+/-0.006 χ^2/NDF:4325681.3/48

Out: 43.806+/-0.005 χ^2/NDF:4787453.8/55

All: 43.576+/-0.004 χ^2/NDF: 9116747.7/104


asym_sam_24_68_dd_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: 32.8/25
Left Out: 0.000+/-0.000 χ²/NDF:28.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 33.9/30
Left In: -0.000+/-0.000 χ²/NDF:27.5/22
Left: -0.000+/-0.000 χ²/NDF: 57.5/47
Right: 0.000+/-0.000 χ²/NDF: 69.3/56
In: -0.000+/-0.000 χ²/NDF:64.9/48
Out: 0.000+/-0.000 χ²/NDF:62.1/55
All: -0.000+/-0.000 χ²/NDF: 128.0/104



Right In: 0.000+/-0.000 χ^2/NDF: 7136506.8/25

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

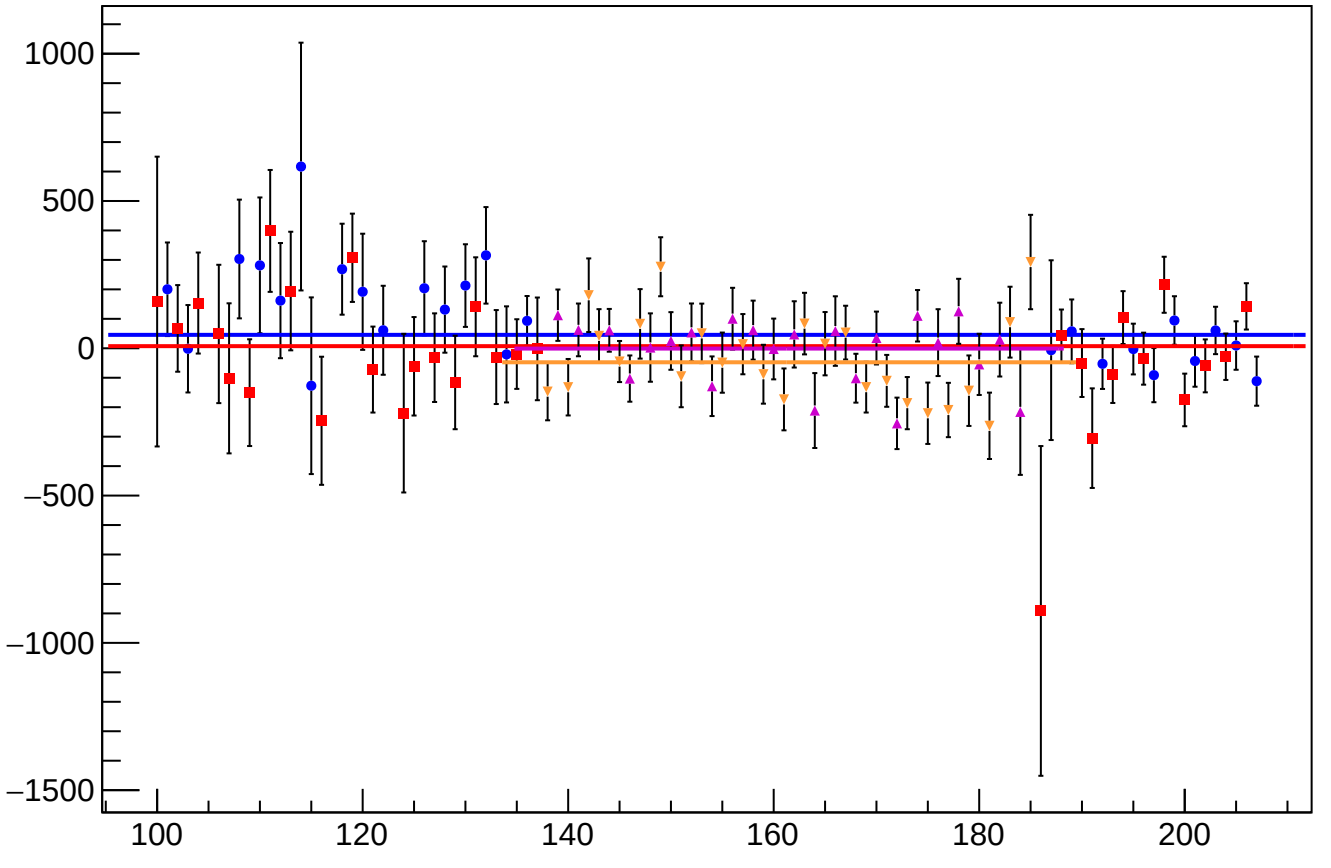
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 16294875.3/56

In: 0.000+/-0.000 χ^2/NDF:13795174.1/48

Out: 0.000+/-0.000 χ^2/NDF:16765788.6/55

All: 0.000+/-0.000 χ^2/NDF: 30978293.7/104



Right In: 45.592+/-23.272 χ^2/NDF: 23.9/25

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

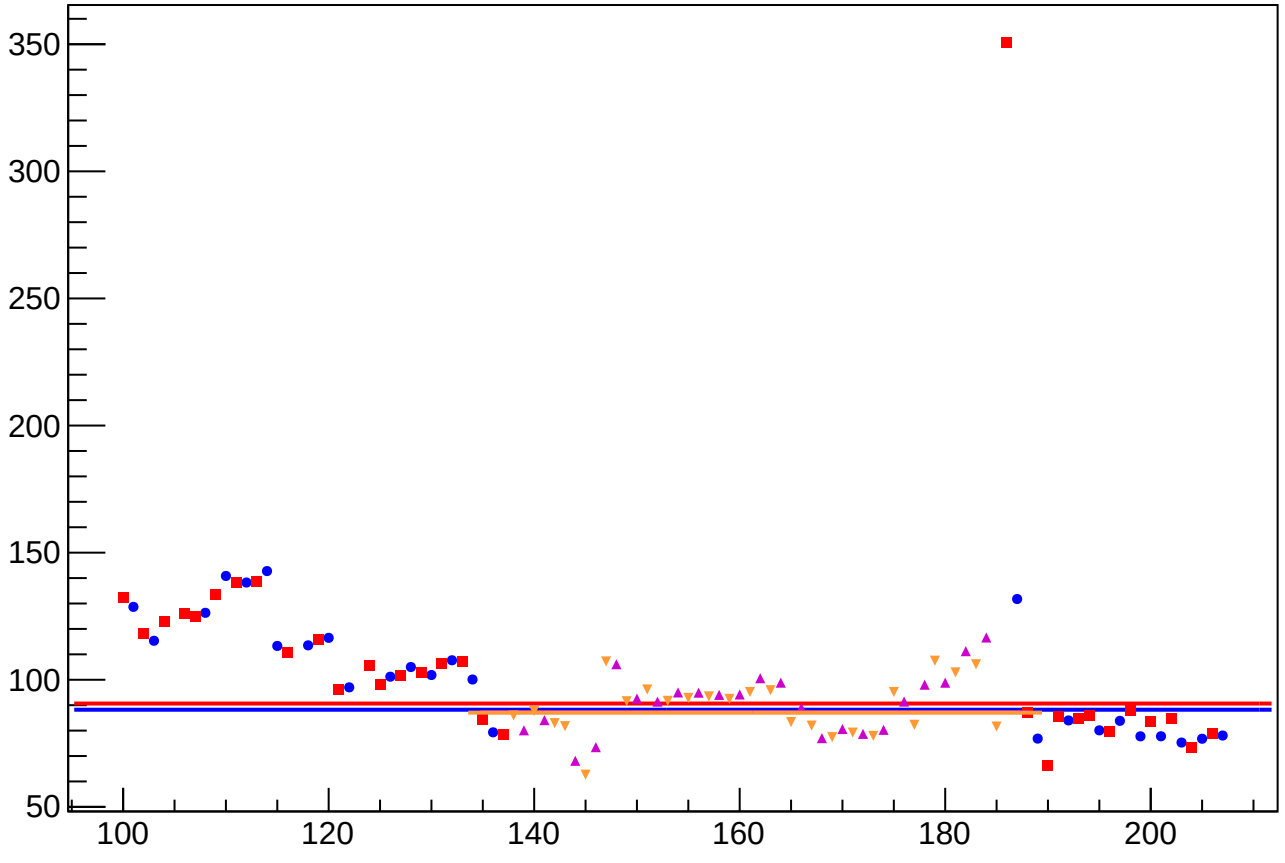
Right: 26.128+/-16.333 χ^2/NDF: 61.1/56

In: 19.480+/-15.427 χ^2/NDF:51.6/48

Out: -23.883+/-15.064 χ^2/NDF:83.0/55

All: -2.717+/-10.778 χ^2/NDF: 138.7/104

reg_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 88.216+/-0.016 χ^2/NDF: 1042983.6/25

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

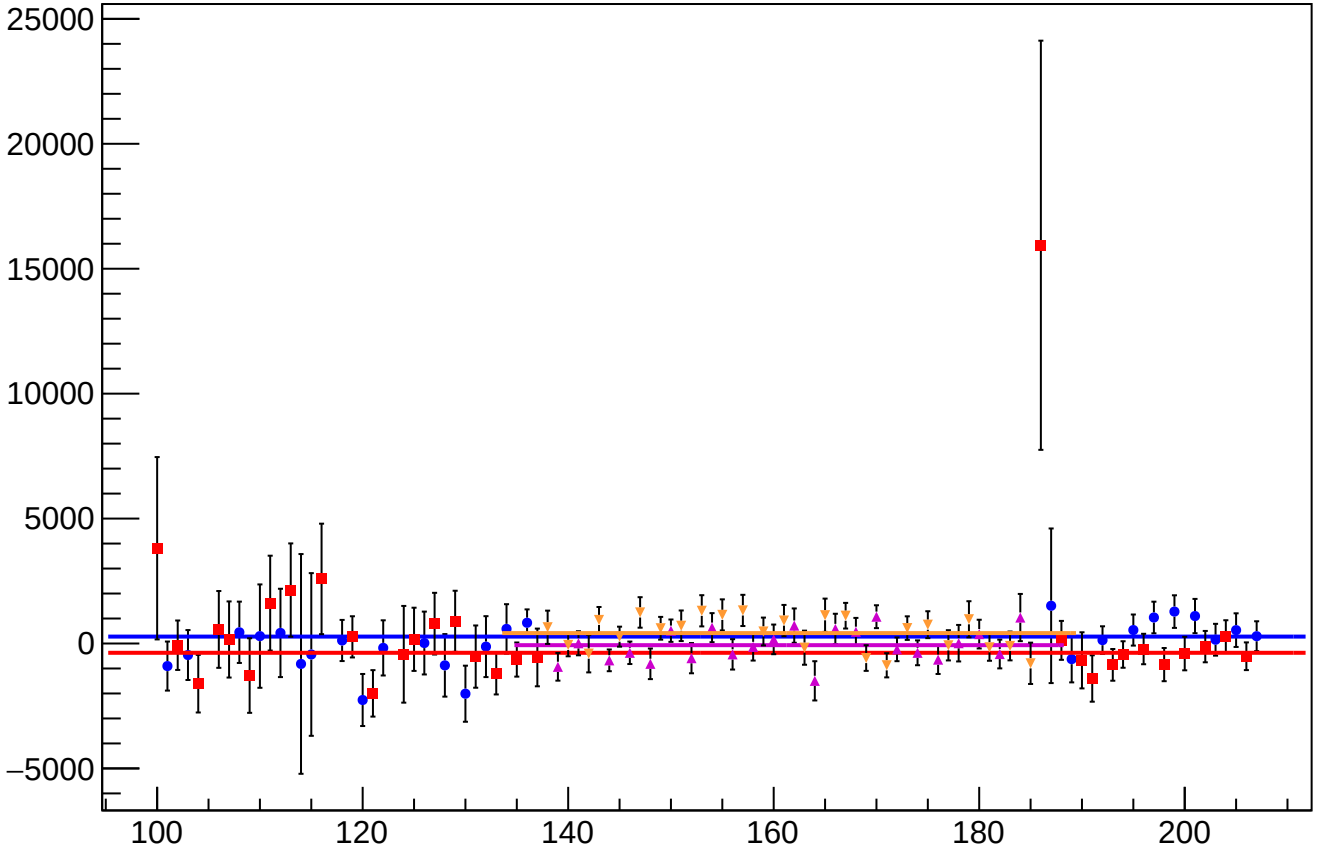
Right: 89.450+/-0.012 χ^2/NDF: 2526726.9/56

In: 87.678+/-0.011 χ^2/NDF:1640680.7/48

Out: 88.616+/-0.011 χ^2/NDF:2120940.0/55

All: 88.158+/-0.008 χ^2/NDF: 3765405.0/104

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 276.632+/-168.035 χ^2/NDF: 21.3/25

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

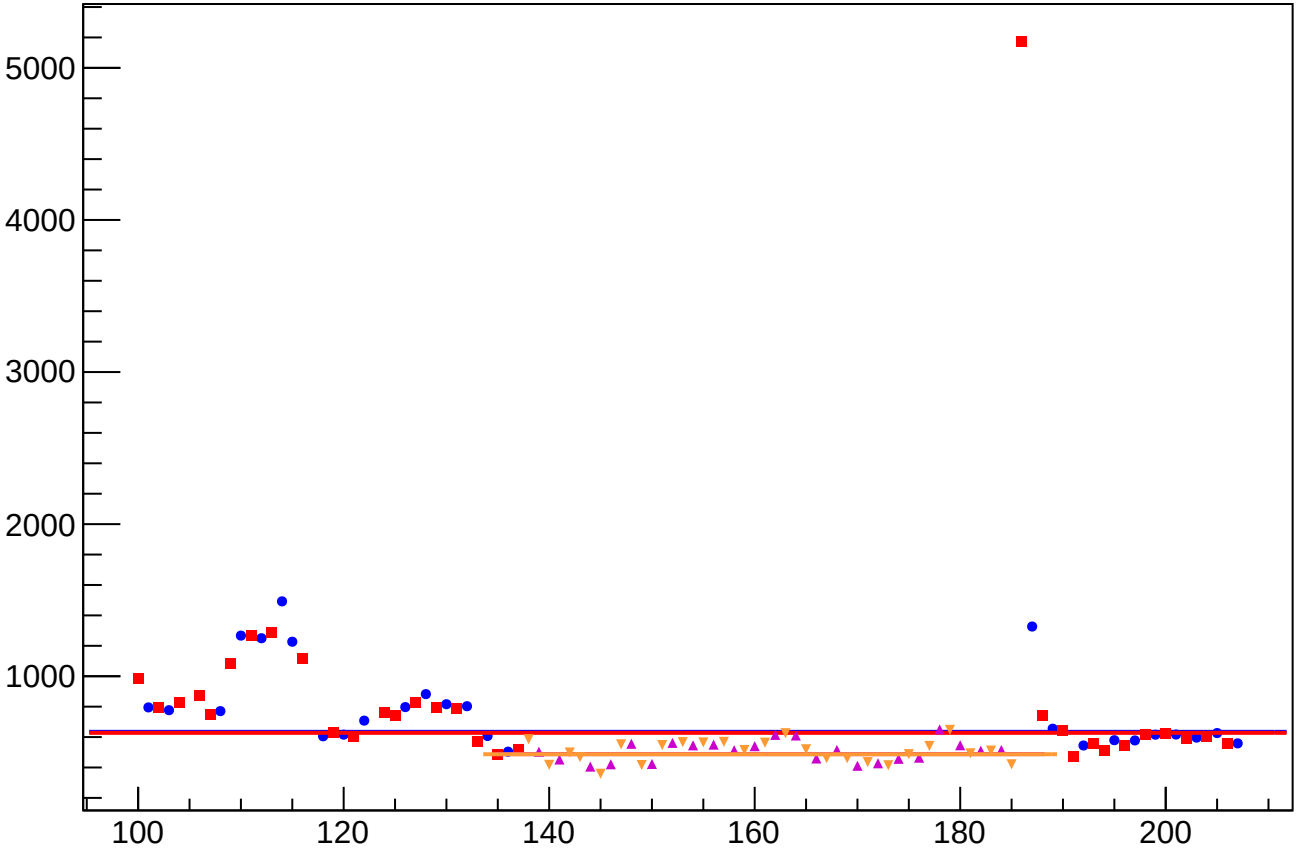
Right: -62.185+/-116.155 χ^2/NDF: 52.2/56

In: 43.375+/-95.138 χ^2/NDF:51.7/48

Out: 157.637+/-92.079 χ^2/NDF:71.7/55

All: 102.372+/-66.165 χ^2/NDF: 124.2/104

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 634.305+/-0.119 χ^2/NDF: 1253109.1/25

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

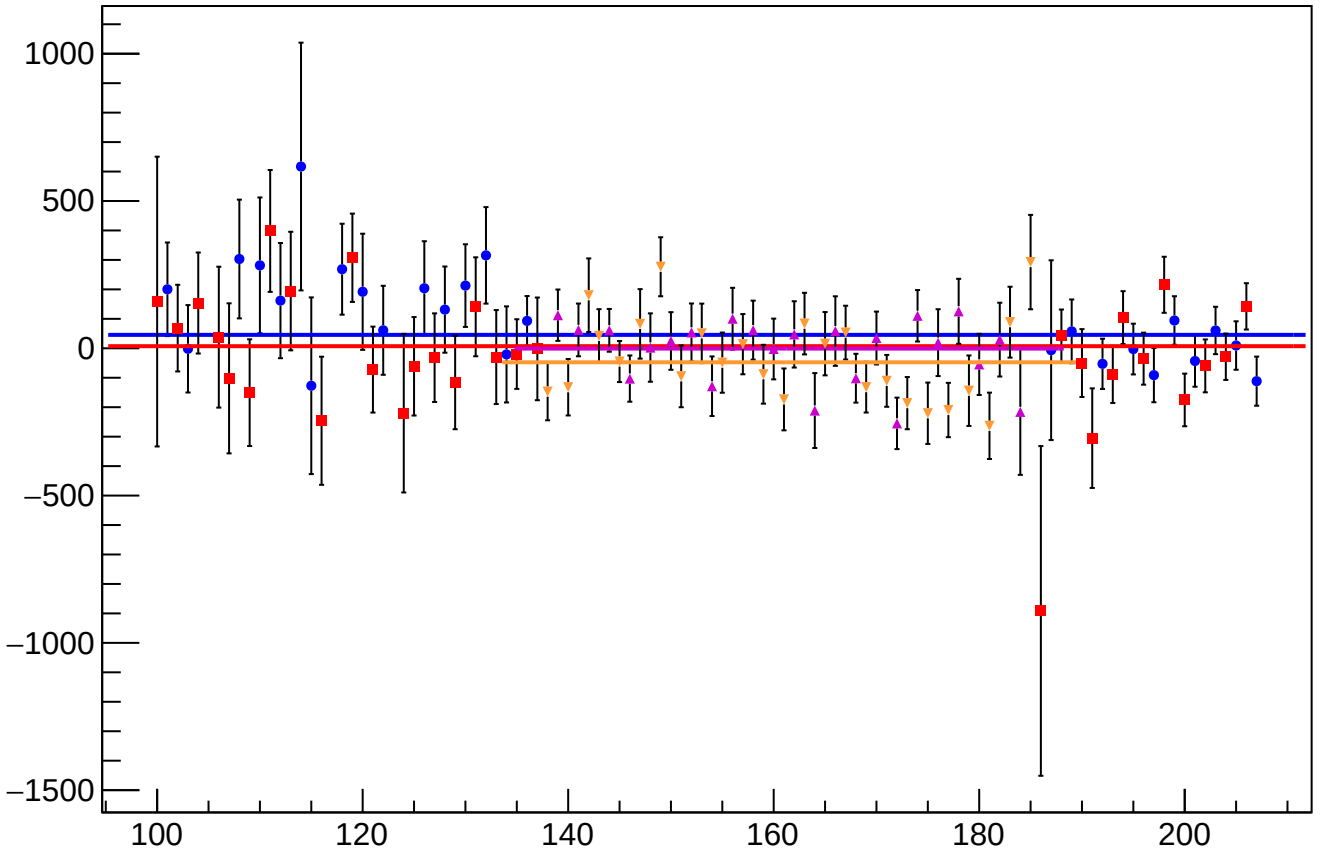
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 630.951+/-0.082 χ^2/NDF: 3402486.2/56

In: 534.852+/-0.067 χ^2/NDF:2918504.5/48

Out: 533.283+/-0.065 χ^2/NDF:4000134.9/55

All: 534.042+/-0.047 χ^2/NDF: 6918920.1/104



Right In: 45.583+/-23.272 χ^2/NDF: 23.9/25

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

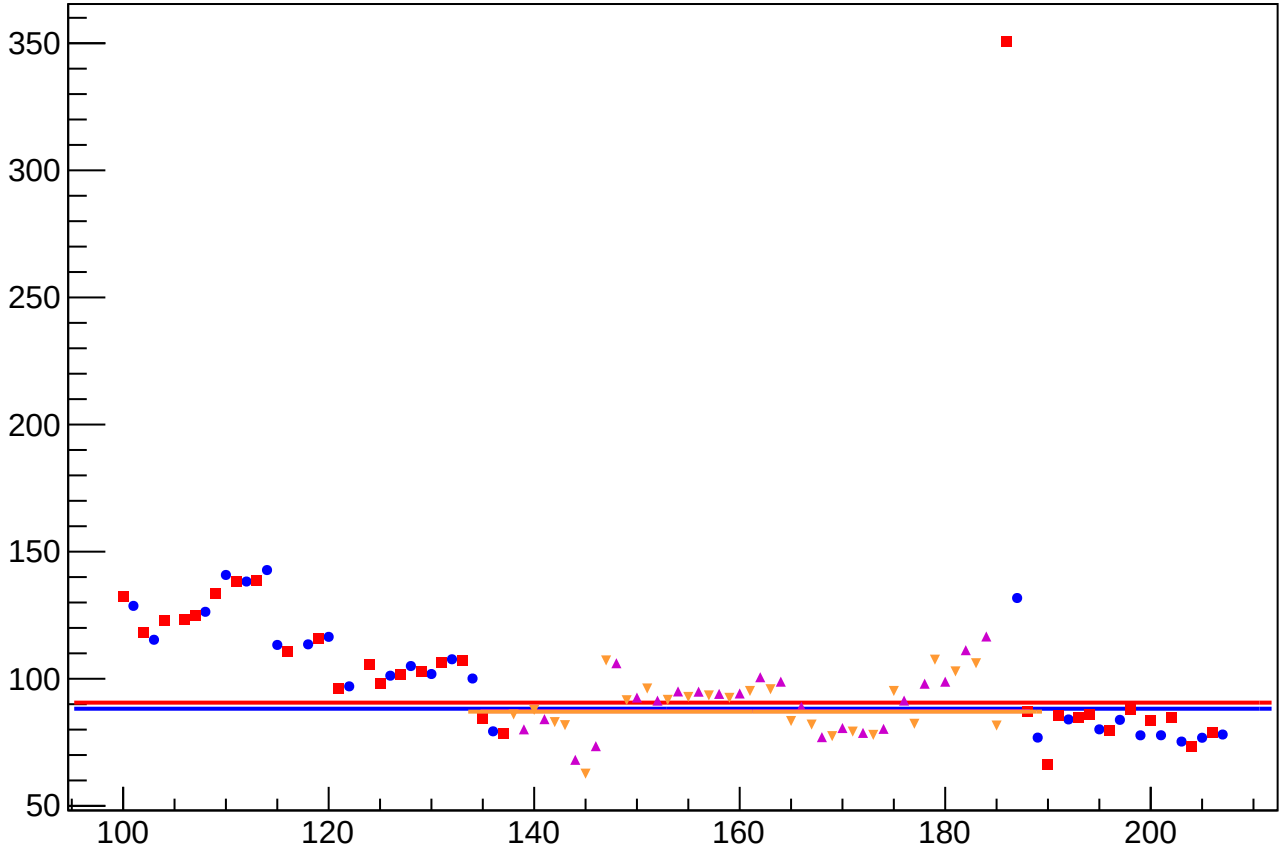
Right: 26.081+/-16.334 χ^2/NDF: 61.1/56

In: 19.475+/-15.427 χ^2/NDF:51.6/48

Out: -23.931+/-15.065 χ^2/NDF:83.0/55

All: -2.742+/-10.778 χ^2/NDF: 138.7/104

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 88.216+/-0.016 χ^2/NDF: 1042984.0/25

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

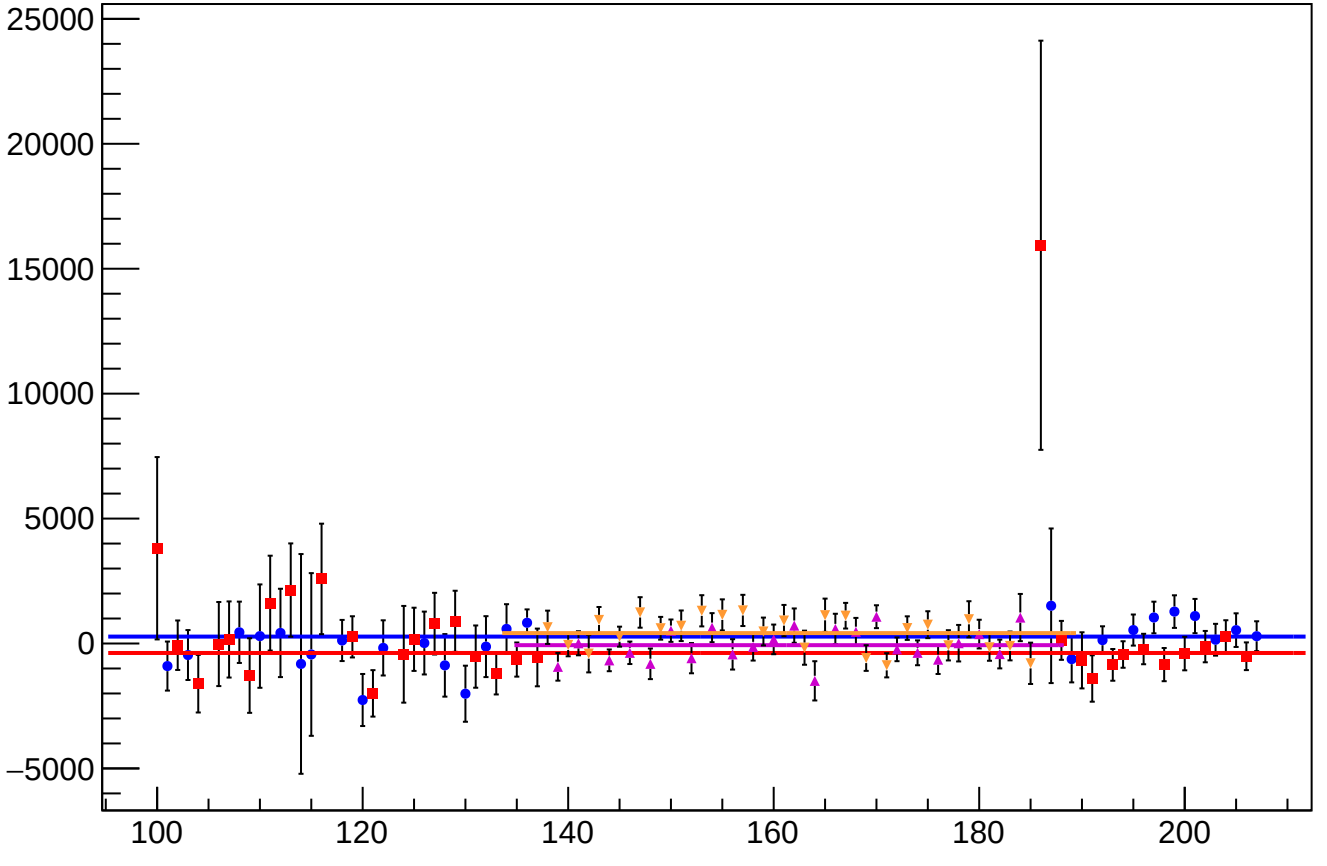
Right: 89.431+/-0.012 χ^2/NDF: 2518140.4/56

In: 87.678+/-0.011 χ^2/NDF:1640681.1/48

Out: 88.599+/-0.011 χ^2/NDF:2112109.9/55

All: 88.150+/-0.008 χ^2/NDF: 3756441.9/104

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 276.630+/-168.035 χ^2/NDF: 21.3/25

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

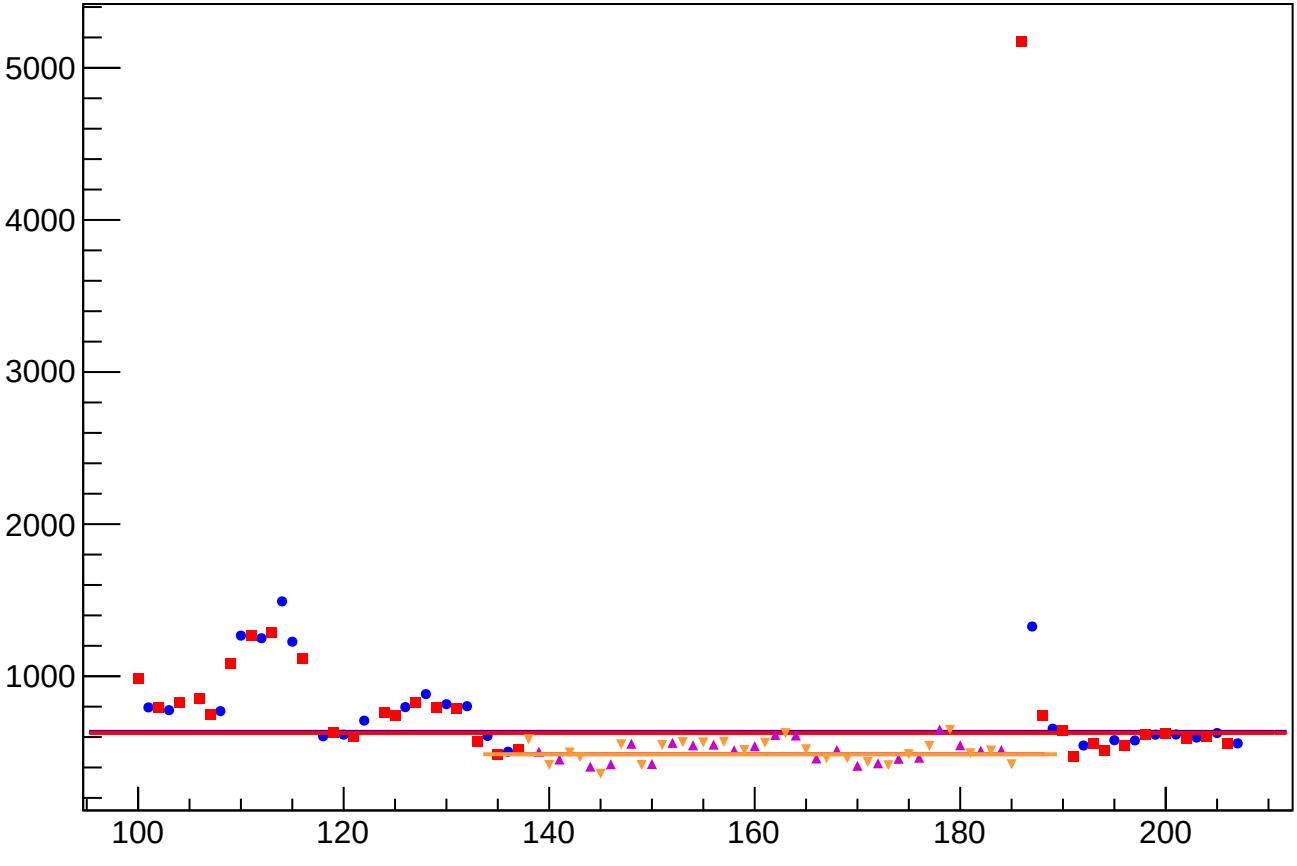
Right: -65.557+/-116.211 χ^2/NDF: 52.1/56

In: 43.375+/-95.138 χ^2/NDF:51.7/48

Out: 155.646+/-92.106 χ^2/NDF:71.7/55

All: 101.327+/-66.175 χ^2/NDF: 124.1/104

asym_sam_26_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 634.305+/-0.119 χ^2/NDF: 1253121.0/25

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

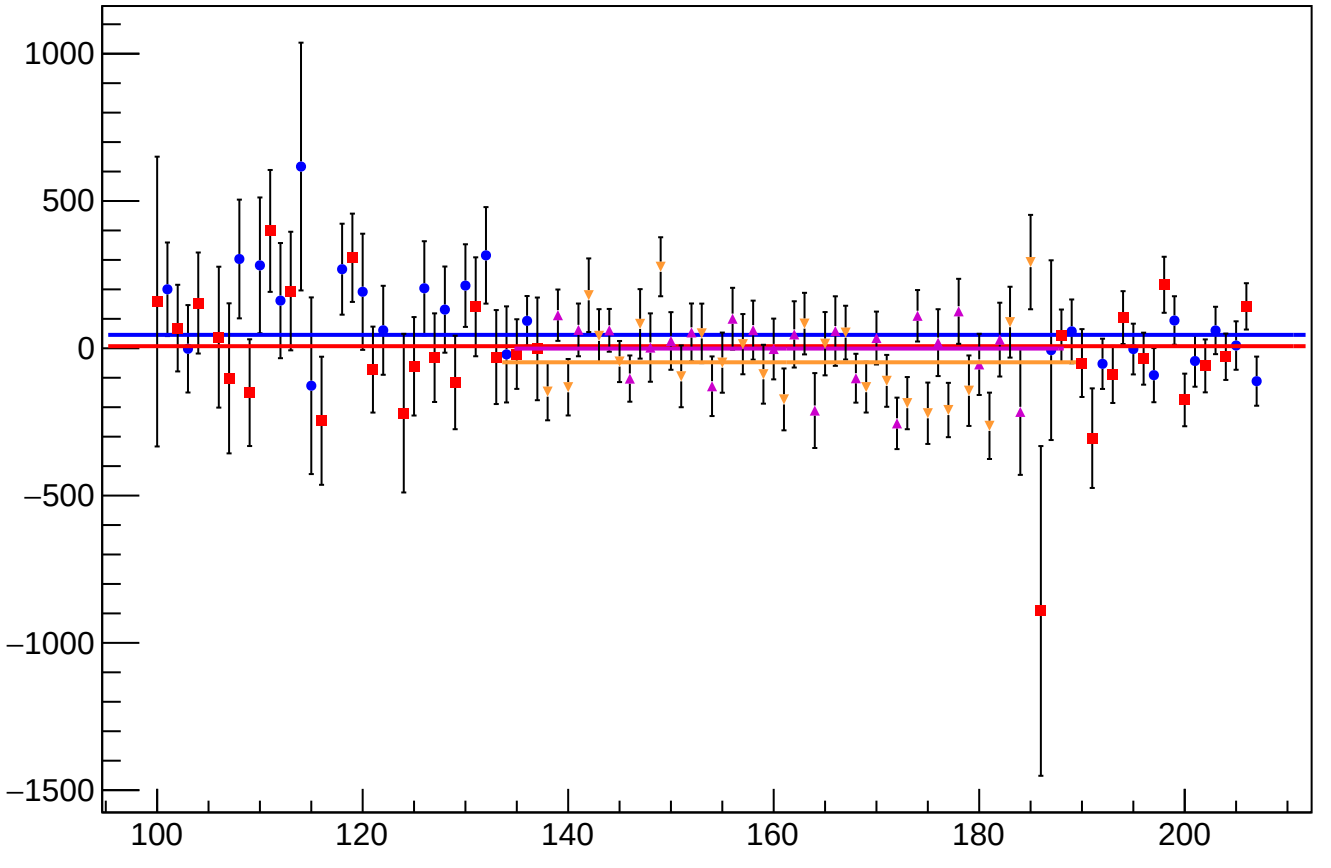
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 630.628+/-0.082 χ^2/NDF: 3387755.1/56

In: 534.852+/-0.067 χ^2/NDF:2918521.0/48

Out: 533.021+/-0.065 χ^2/NDF:3974665.7/55

All: 533.907+/-0.047 χ^2/NDF: 6893569.0/104



Right In: 45.583+/-23.272 χ^2/NDF: 23.9/25

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

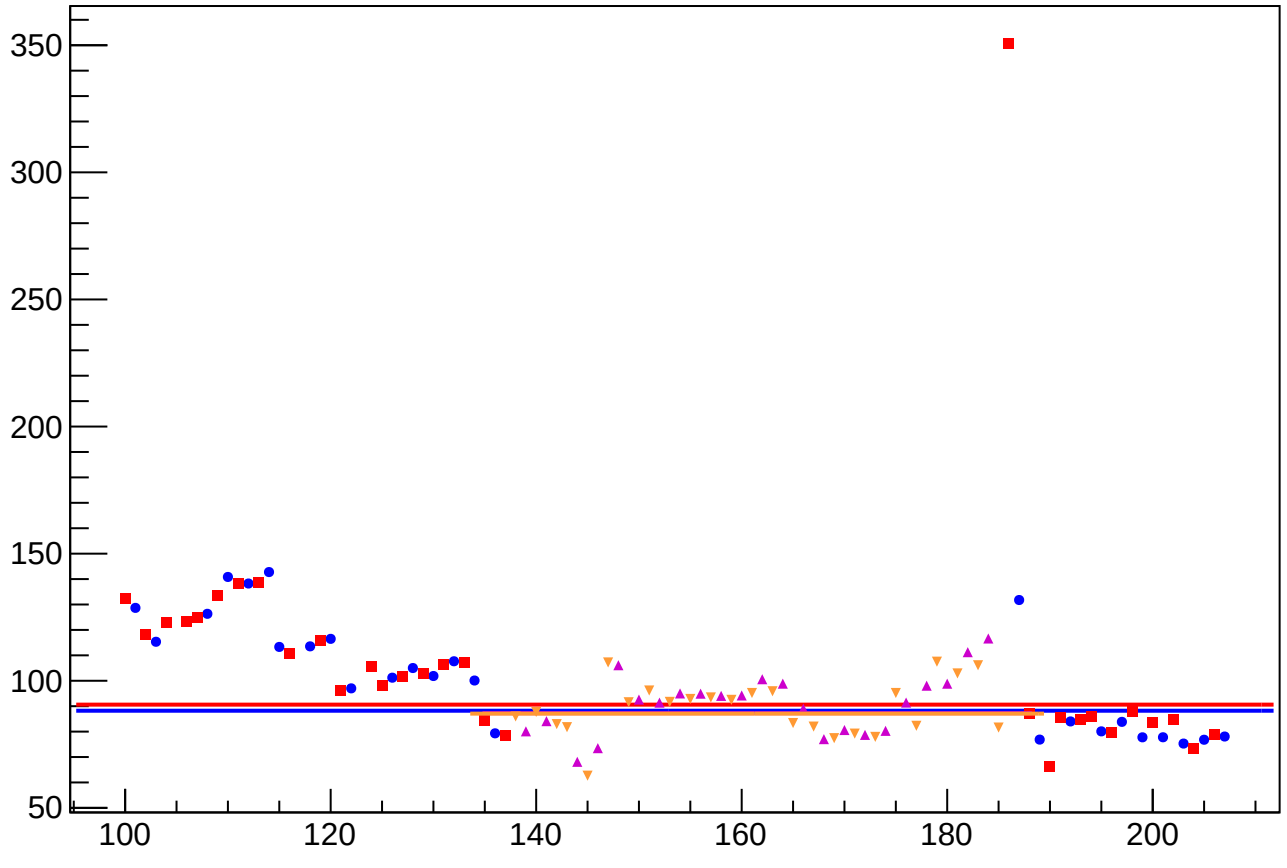
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 26.081+/-16.334 χ^2/NDF: 61.1/56

In: 19.475+/-15.427 χ^2/NDF:51.6/48

Out: -23.931+/-15.065 χ^2/NDF:83.0/55

All: -2.742+/-10.778 χ^2/NDF: 138.7/104



Right In: 88.216+/-0.016 χ^2/NDF: 1042984.0/25

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

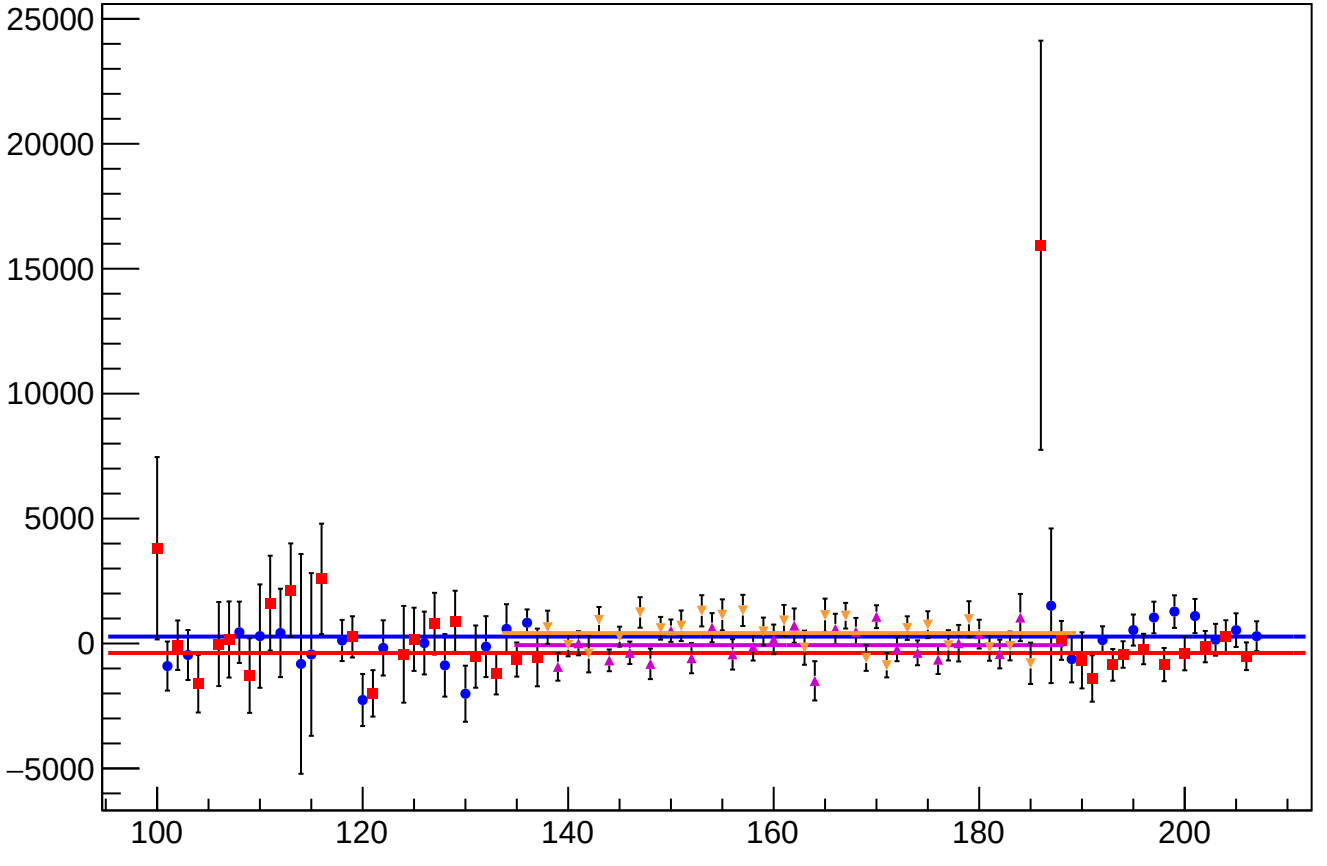
Right: 89.431+/-0.012 χ^2/NDF: 2518140.4/56

In: 87.678+/-0.011 χ^2/NDF:1640681.1/48

Out: 88.599+/-0.011 χ^2/NDF:2112109.9/55

All: 88.150+/-0.008 χ^2/NDF: 3756441.9/104

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 276.630+/-168.035 χ^2/NDF: 21.3/25

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

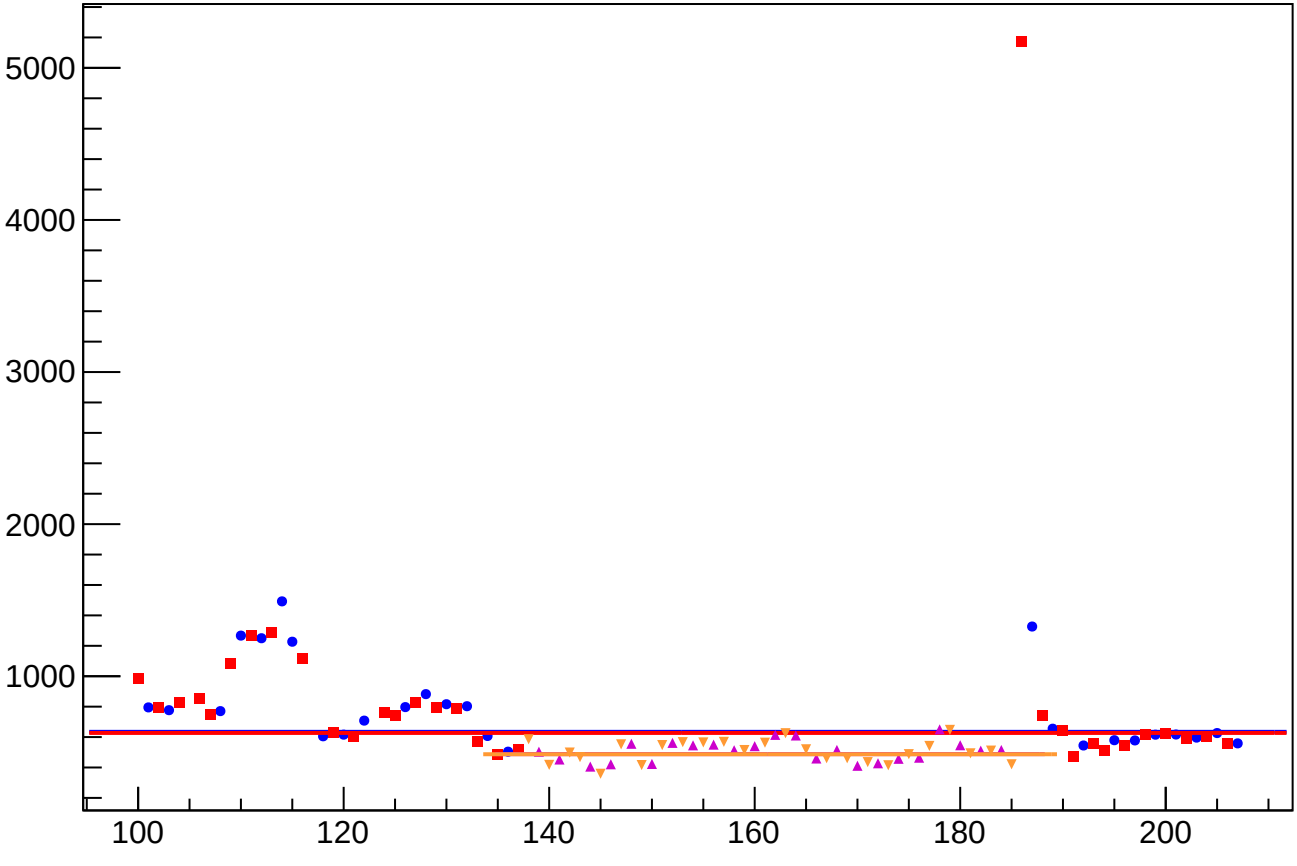
Right: -65.557+/-116.211 χ^2/NDF: 52.1/56

In: 43.375+/-95.138 χ^2/NDF:51.7/48

Out: 155.646+/-92.106 χ^2/NDF:71.7/55

All: 101.327+/-66.175 χ^2/NDF: 124.1/104

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 634.305+/-0.119 χ^2/NDF: 1253121.0/25

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

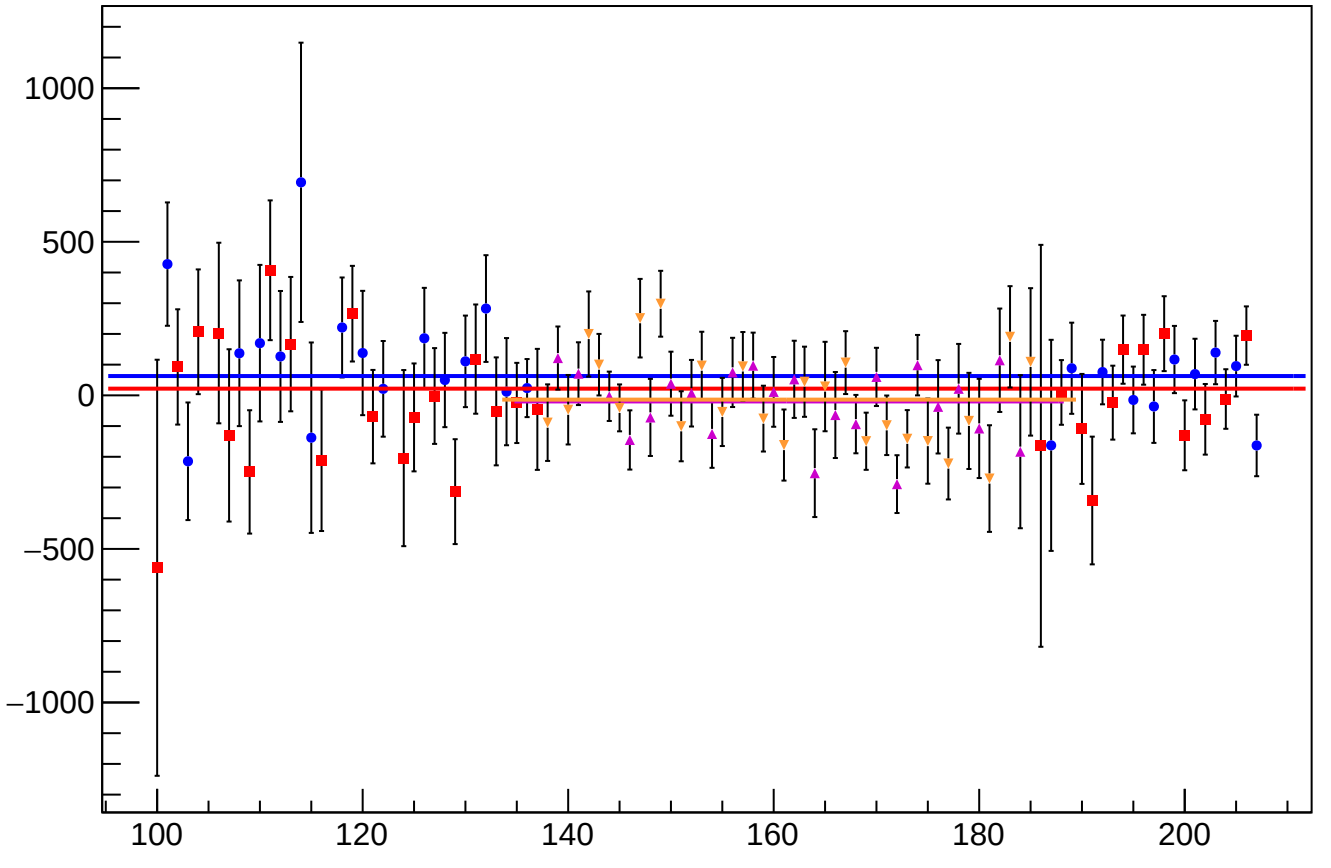
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 630.628+/-0.082 χ^2/NDF: 3387755.1/56

In: 534.852+/-0.067 χ^2/NDF:2918521.0/48

Out: 533.021+/-0.065 χ^2/NDF:3974665.7/55

All: 533.907+/-0.047 χ^2/NDF: 6893569.0/104



Right In: 62.876+/-27.912 χ^2/NDF: 19.5/25

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

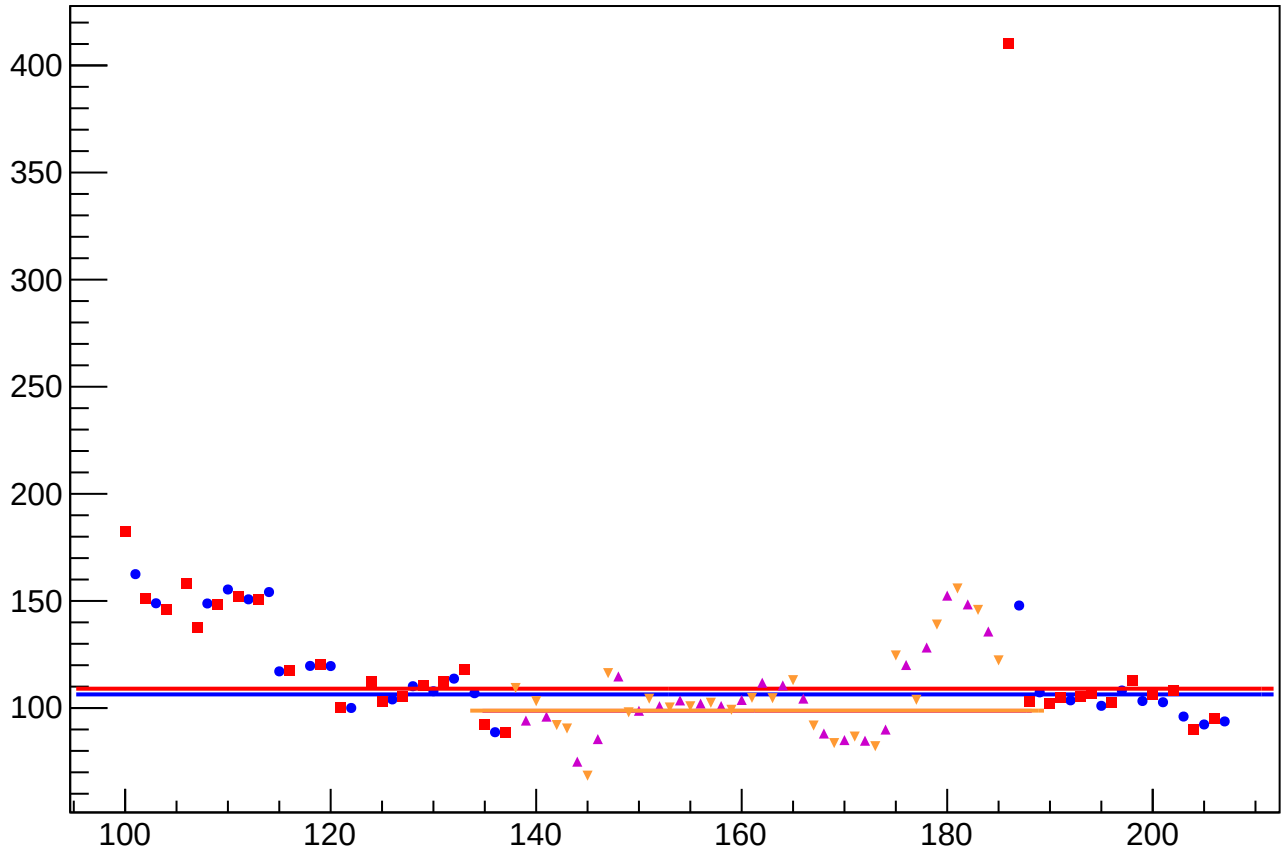
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 42.012+/-19.572 χ^2/NDF: 51.9/56

In: 14.613+/-18.009 χ^2/NDF:47.9/48

Out: 0.772+/-17.592 χ^2/NDF:68.7/55

All: 7.530+/-12.584 χ^2/NDF: 116.9/104



Right In: 106.370+/-0.020 χ^2/NDF: 736154.0/25

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

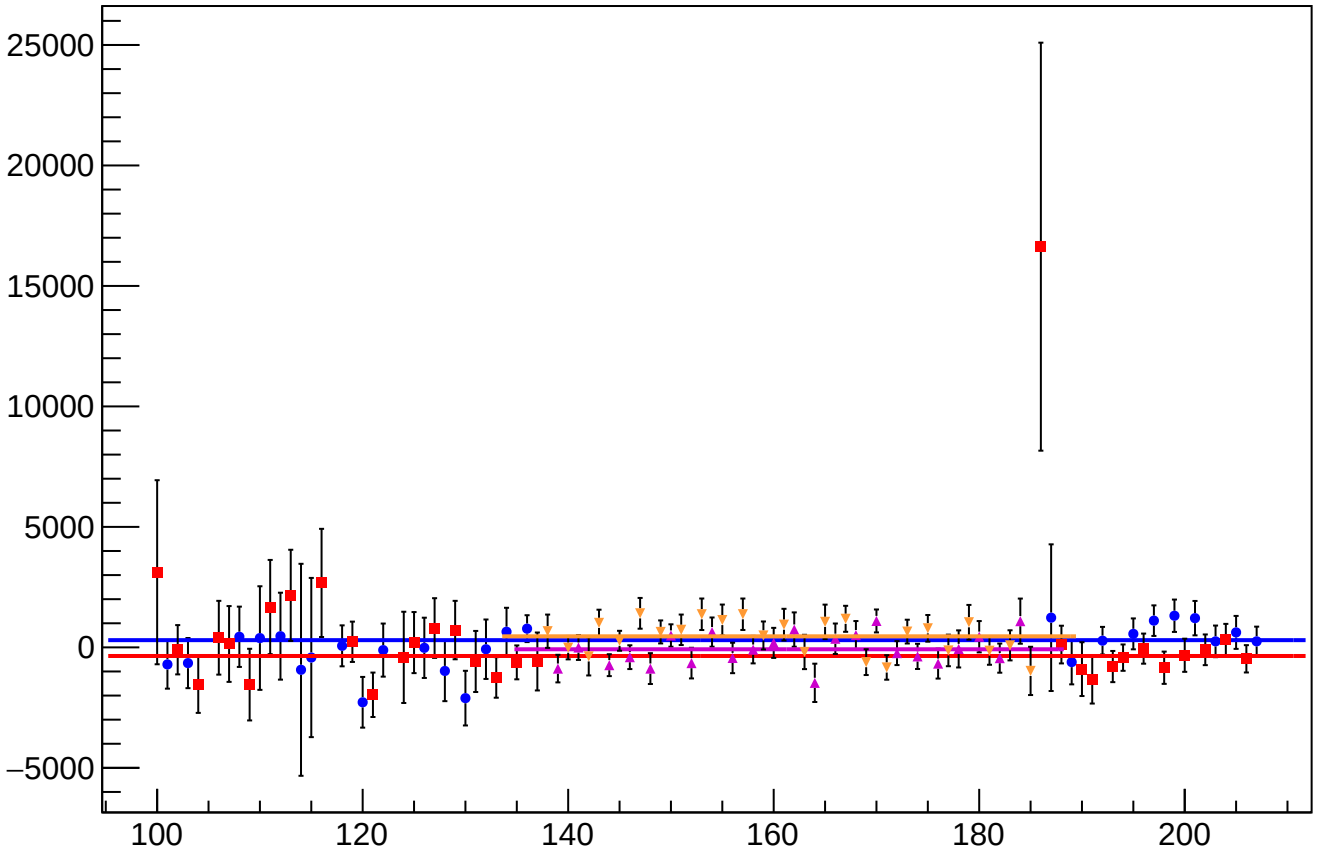
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 107.726+/-0.014 χ^2/NDF: 1883838.2/56

In: 101.877+/-0.013 χ^2/NDF:1812740.7/48

Out: 103.004+/-0.012 χ^2/NDF:2488200.1/55

All: 102.454+/-0.009 χ^2/NDF: 4304951.3/104



Right In: 299.832+/-171.929 χ^2/NDF: 21.8/25

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

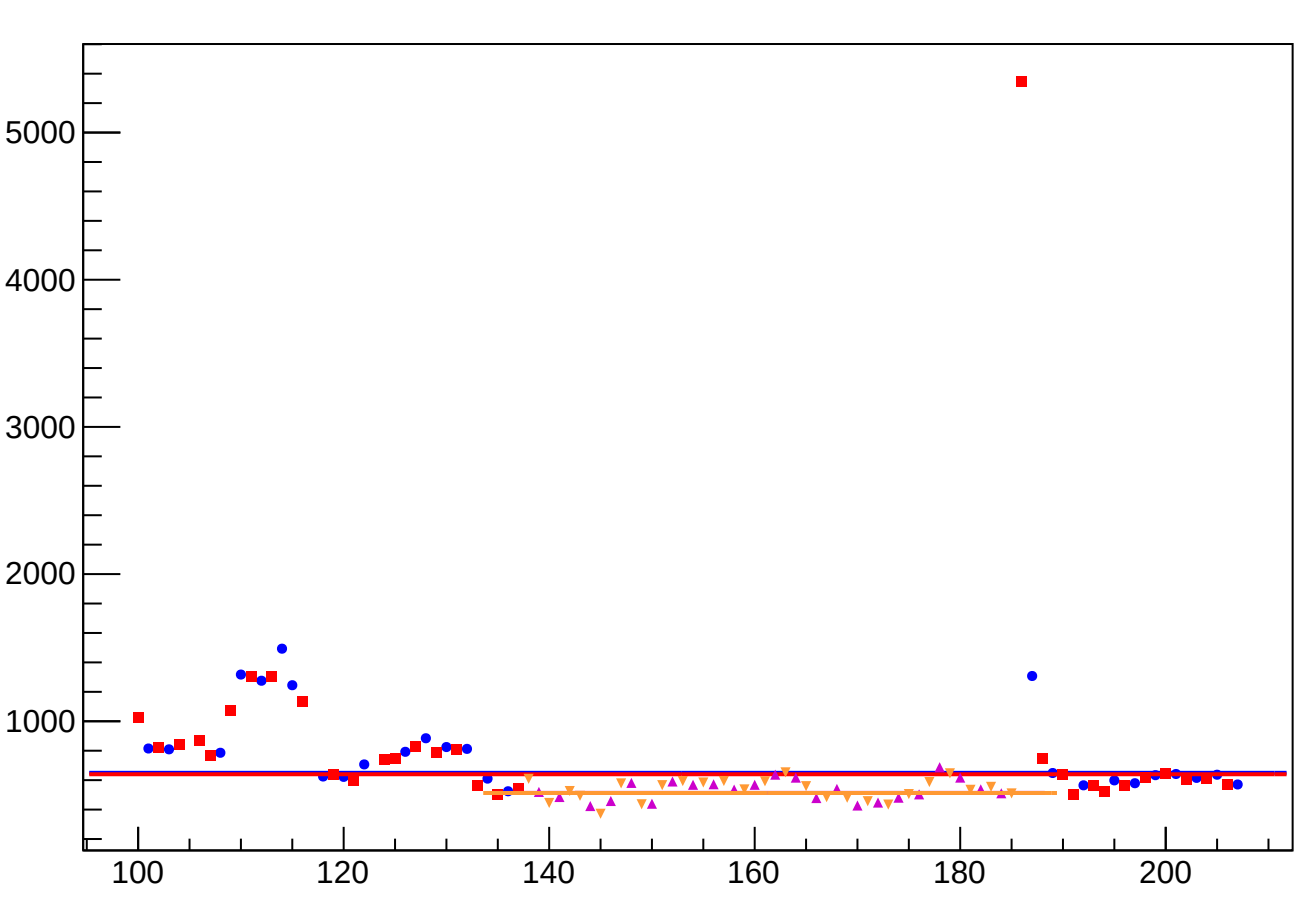
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -45.139+/-118.519 χ^2/NDF: 51.9/56

In: 47.228+/-99.189 χ^2/NDF:51.2/48

Out: 179.310+/-95.763 χ^2/NDF:69.6/55

All: 115.590+/-68.894 χ^2/NDF: 121.7/104



Right In: 649.783+/-0.122 χ^2/NDF: 1204110.1/25

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

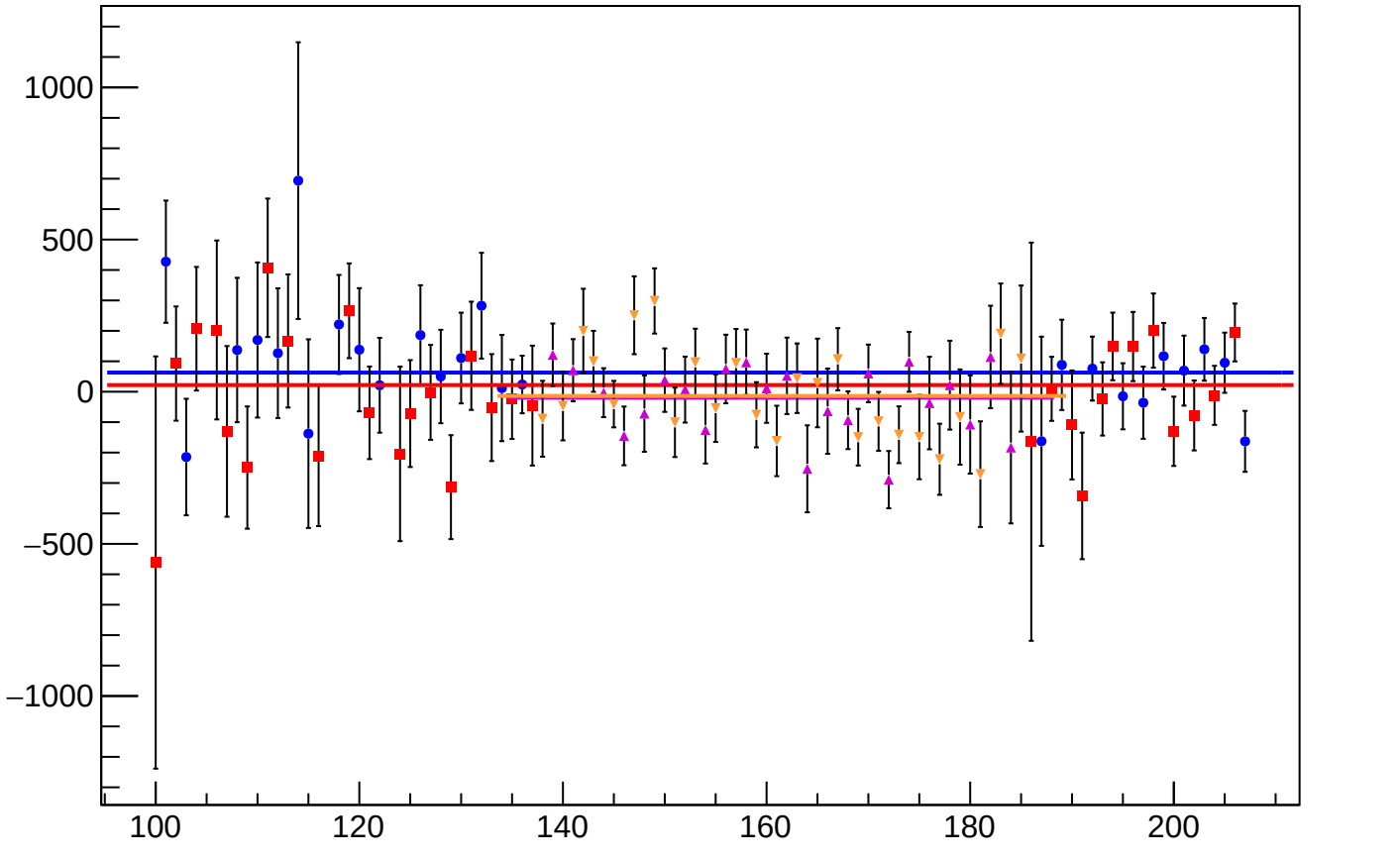
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 644.665+/-0.084 χ^2/NDF: 3287527.2/56

In: 558.776+/-0.070 χ^2/NDF:2678047.4/48

Out: 556.371+/-0.068 χ^2/NDF:3674817.4/55

All: 557.531+/-0.049 χ^2/NDF: 6353473.5/104



Right In: 62.876+/-27.912 χ^2/NDF: 19.5/25

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

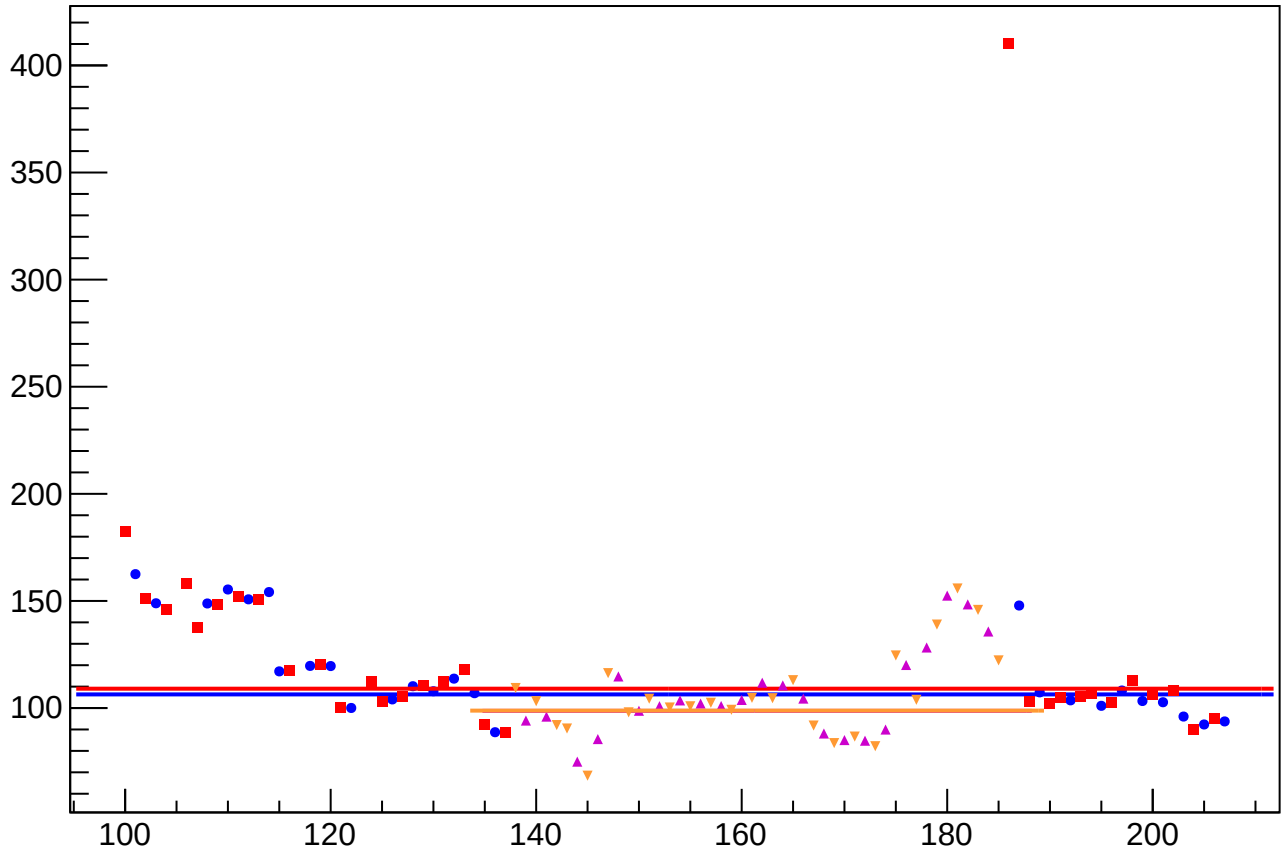
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 42.012+/-19.572 χ^2/NDF: 51.9/56

In: 14.612+/-18.009 χ^2/NDF:47.9/48

Out: 0.771+/-17.592 χ^2/NDF:68.7/55

All: 7.530+/-12.584 χ^2/NDF: 116.9/104



Right In: 106.370+/-0.020 χ^2/NDF: 736144.0/25

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

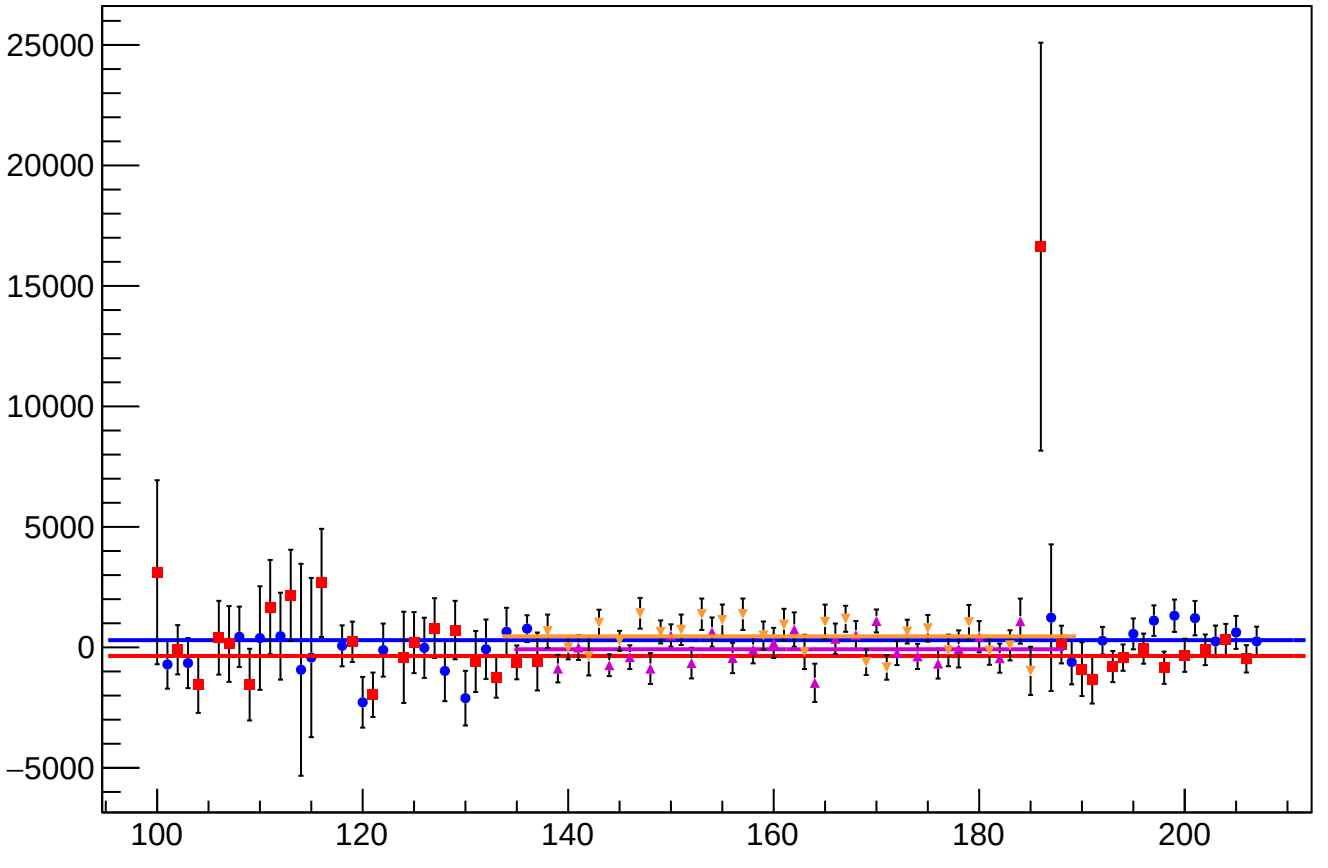
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 107.727+/-0.014 χ^2/NDF: 1883814.6/56

In: 101.877+/-0.013 χ^2/NDF:1812724.1/48

Out: 103.004+/-0.012 χ^2/NDF:2488194.8/55

All: 102.454+/-0.009 χ^2/NDF: 4304929.3/104



Right In: 299.832+/-171.929 χ^2/NDF: 21.8/25

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

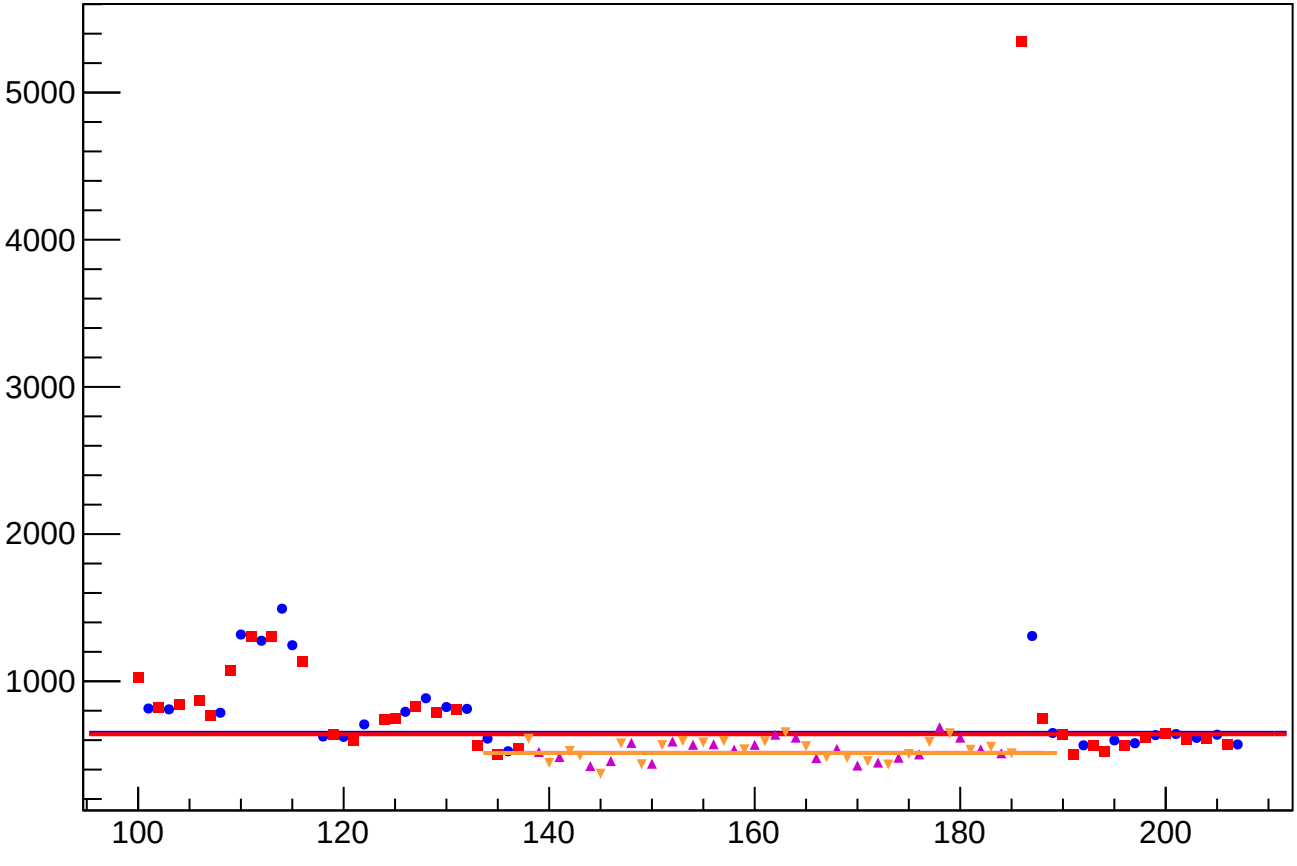
Right: -45.138+/-118.519 χ^2/NDF: 51.9/56

In: 47.229+/-99.189 χ^2/NDF:51.2/48

Out: 179.309+/-95.763 χ^2/NDF:69.6/55

All: 115.589+/-68.894 χ^2/NDF: 121.7/104

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 649.782+/-0.122 χ^2/NDF: 1204107.6/25

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

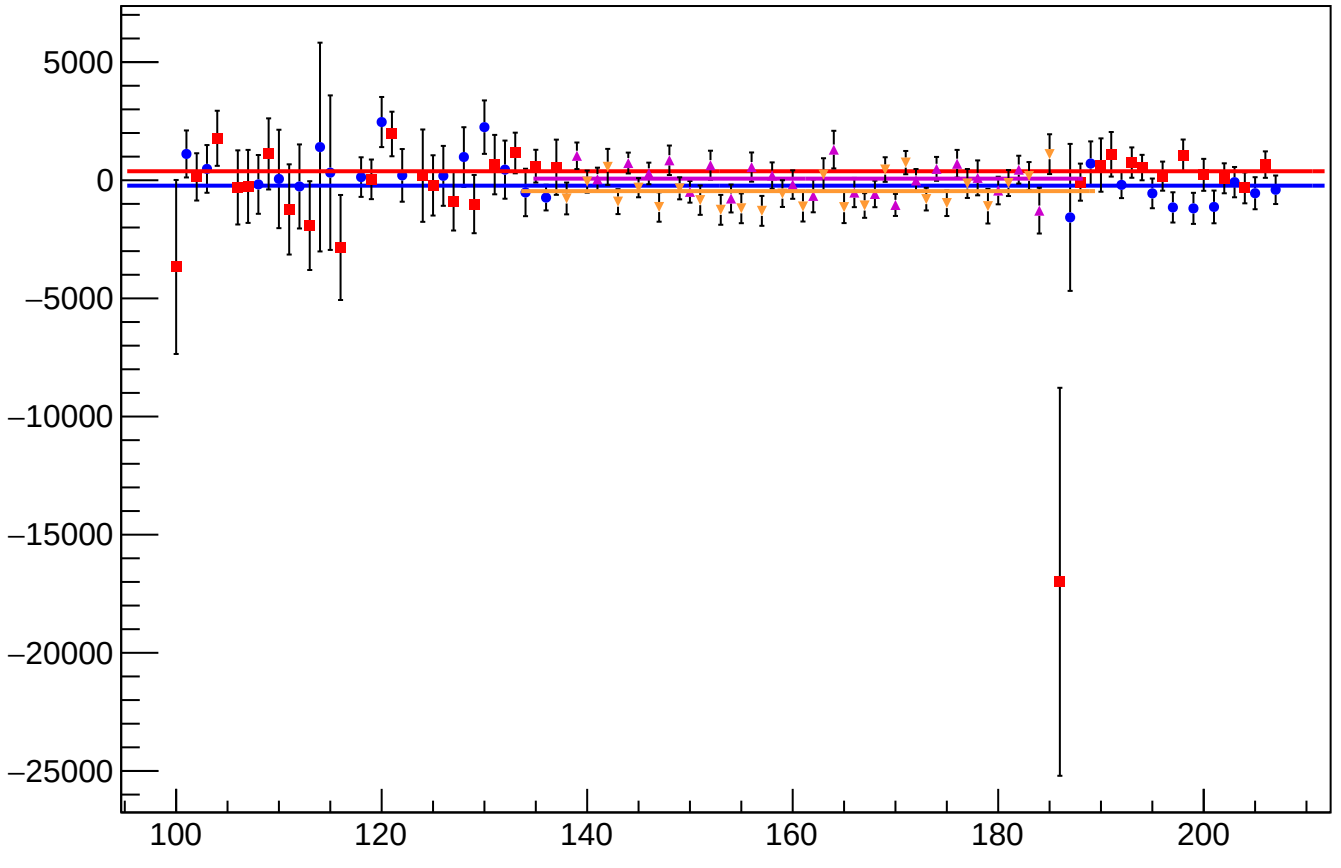
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 644.664+/-0.084 χ^2/NDF: 3287521.2/56

In: 558.776+/-0.070 χ^2/NDF:2678035.1/48

Out: 556.371+/-0.068 χ^2/NDF:3674803.1/55

All: 557.531+/-0.049 χ^2/NDF: 6353446.9/104



Right In: -228.975+/-169.828 χ^2/NDF: 24.1/25

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

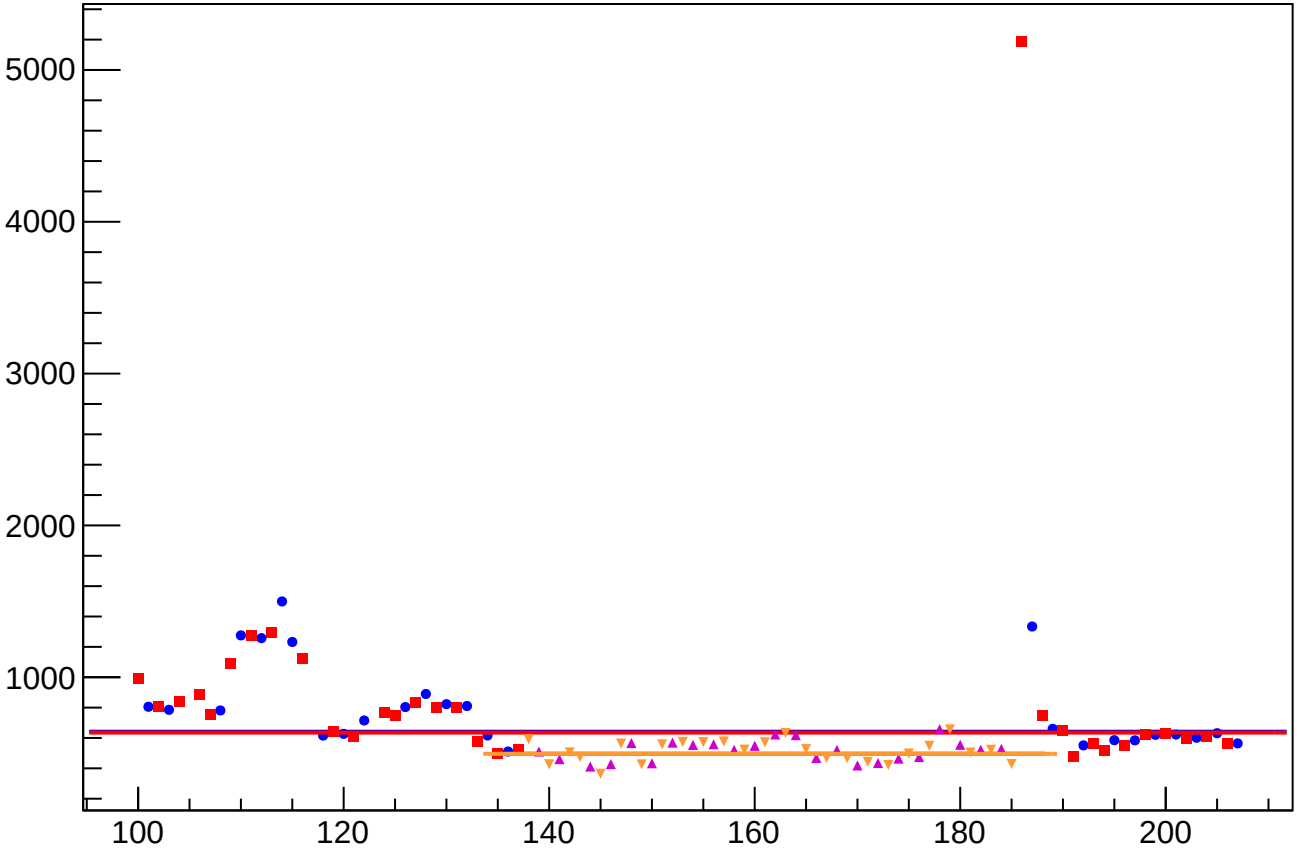
Right: 89.445+/-117.443 χ^2/NDF: 53.6/56

In: -27.961+/-96.553 χ^2/NDF:54.7/48

Out: -181.868+/-93.469 χ^2/NDF:71.5/55

All: -107.411+/-67.156 χ^2/NDF: 127.6/104

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 641.244+/-0.120 χ^2/NDF: 1242001.5/25

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

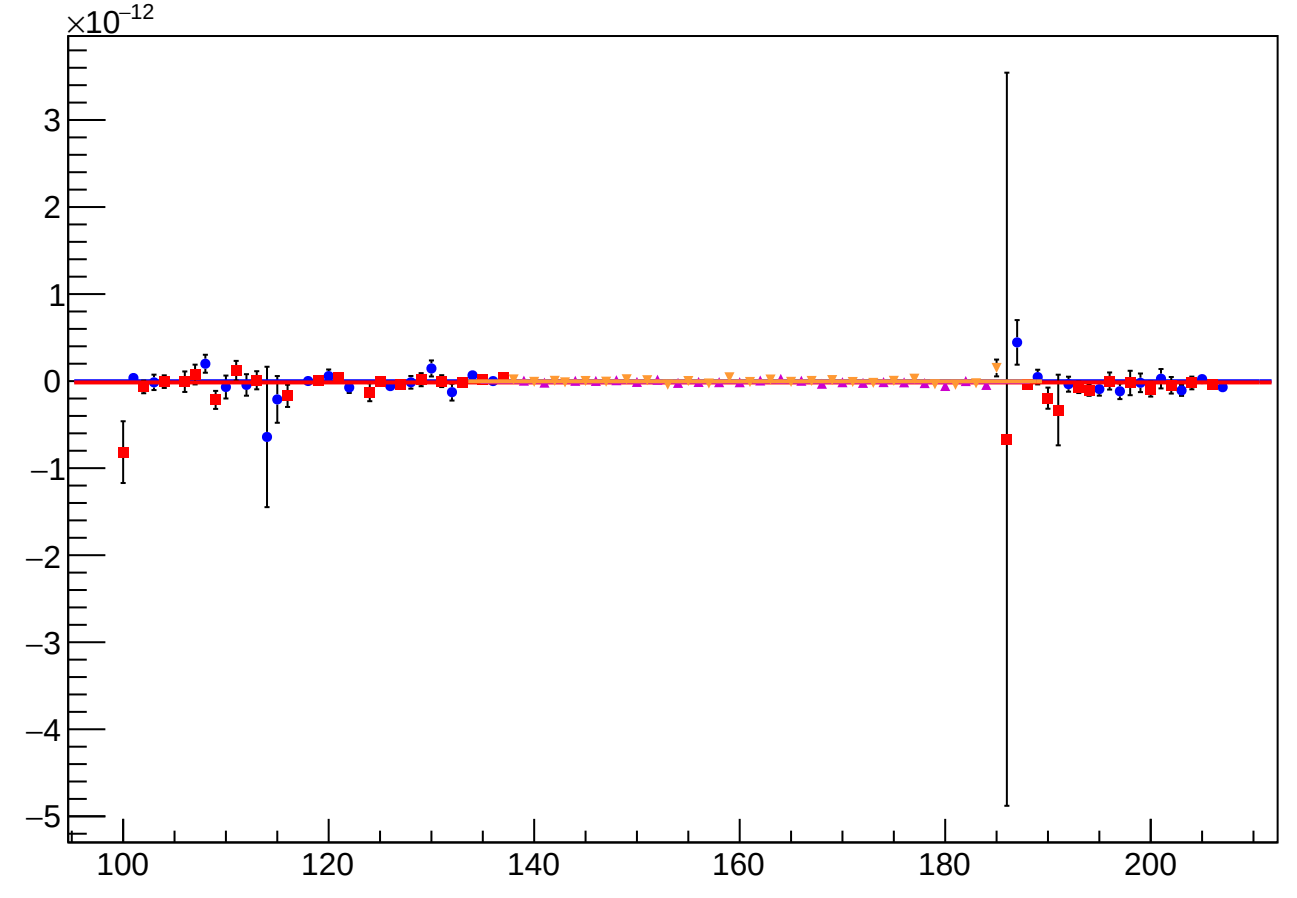
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 638.172+/-0.083 χ^2/NDF: 3370169.6/56

In: 543.155+/-0.068 χ^2/NDF:2850200.9/48

Out: 541.731+/-0.066 χ^2/NDF:3922152.1/55

All: 542.420+/-0.047 χ^2/NDF: 6772577.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/25

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

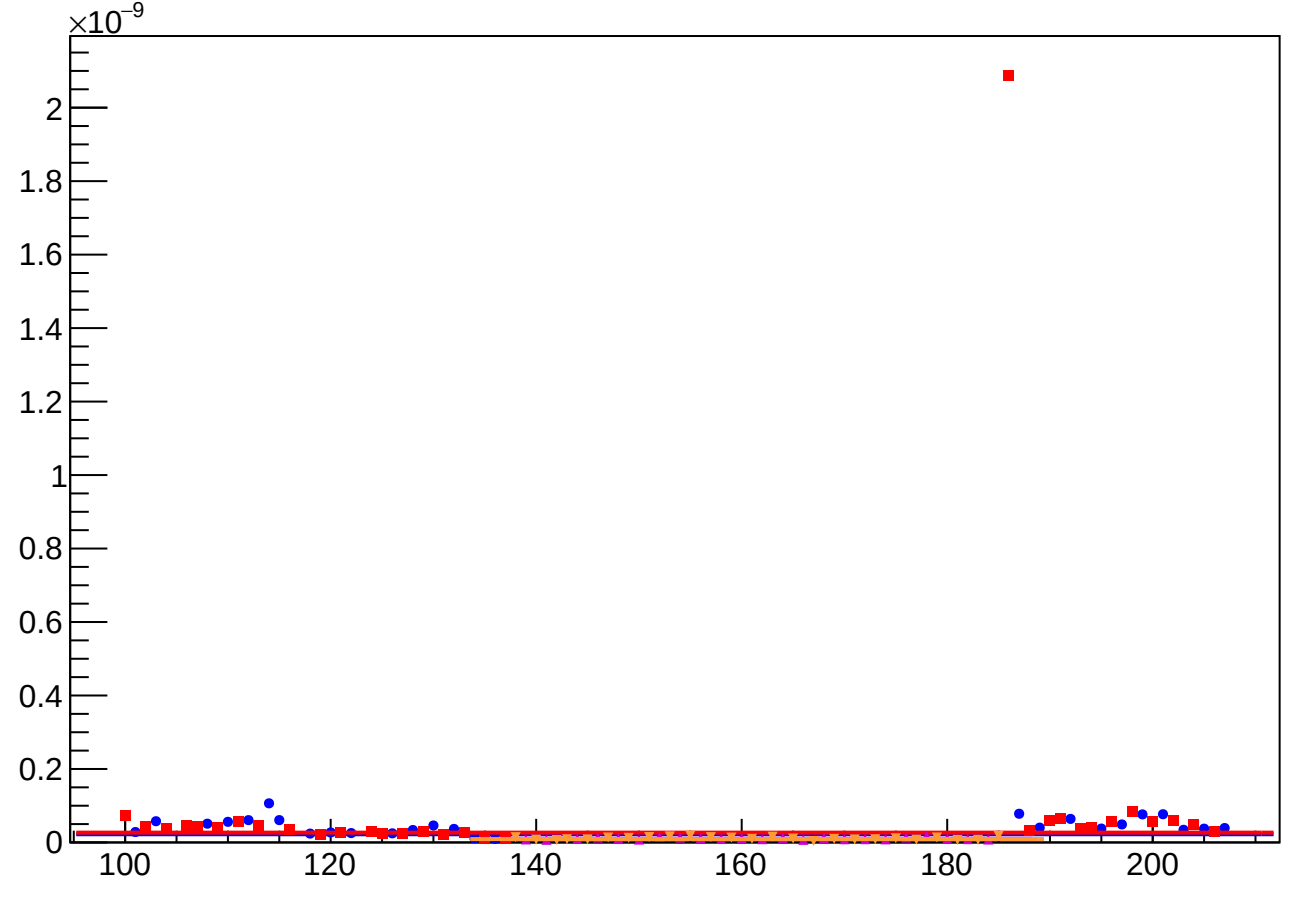
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 55.9/56

In: -0.000+/-0.000 χ^2/NDF:45.1/48

Out: -0.000+/-0.000 χ^2/NDF:52.2/55

All: -0.000+/-0.000 χ^2/NDF: 97.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 5064536.6/25

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

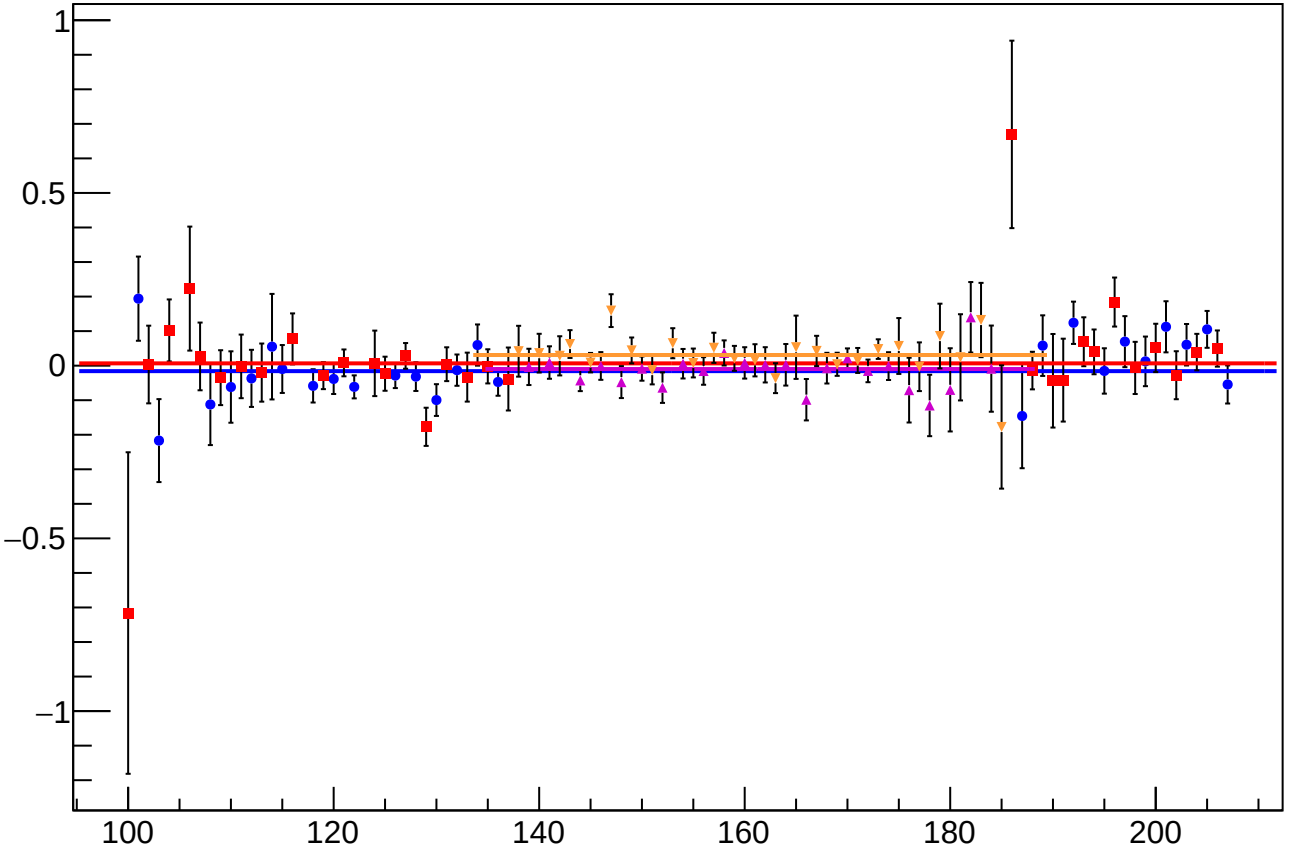
Right: 0.000+/-0.000 χ^2/NDF: 9278091.2/56

In: 0.000+/-0.000 χ^2/NDF:8231084.4/48

Out: 0.000+/-0.000 χ^2/NDF:10152041.9/55

All: 0.000+/-0.000 χ^2/NDF: 18400276.8/104

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/25

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

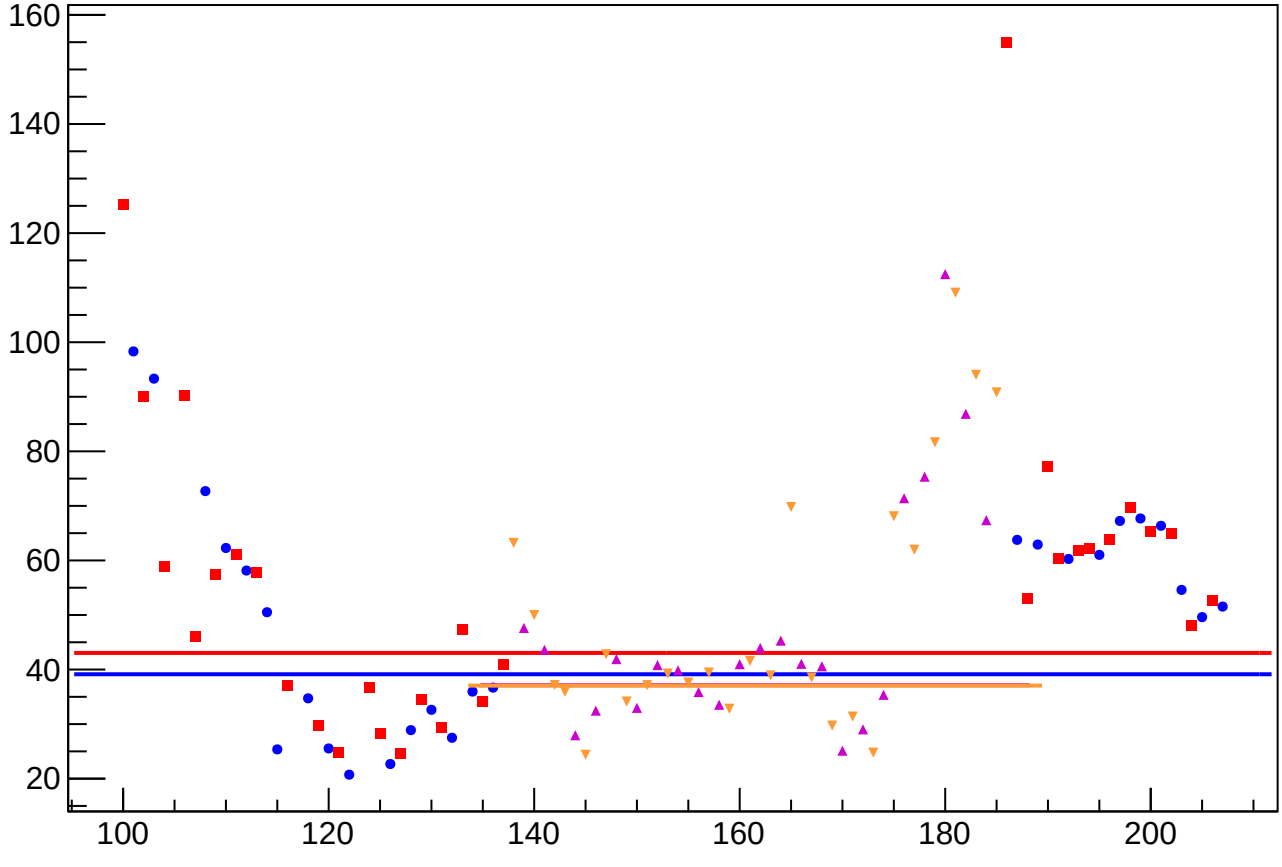
Right: -0.005+/-0.008 χ^2/NDF: 71.0/56

In: -0.012+/-0.007 χ^2/NDF:47.5/48

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.005+/-0.005 χ^2/NDF: 114.1/104

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.135+/-0.008 χ^2/NDF: 4729341.8/25

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

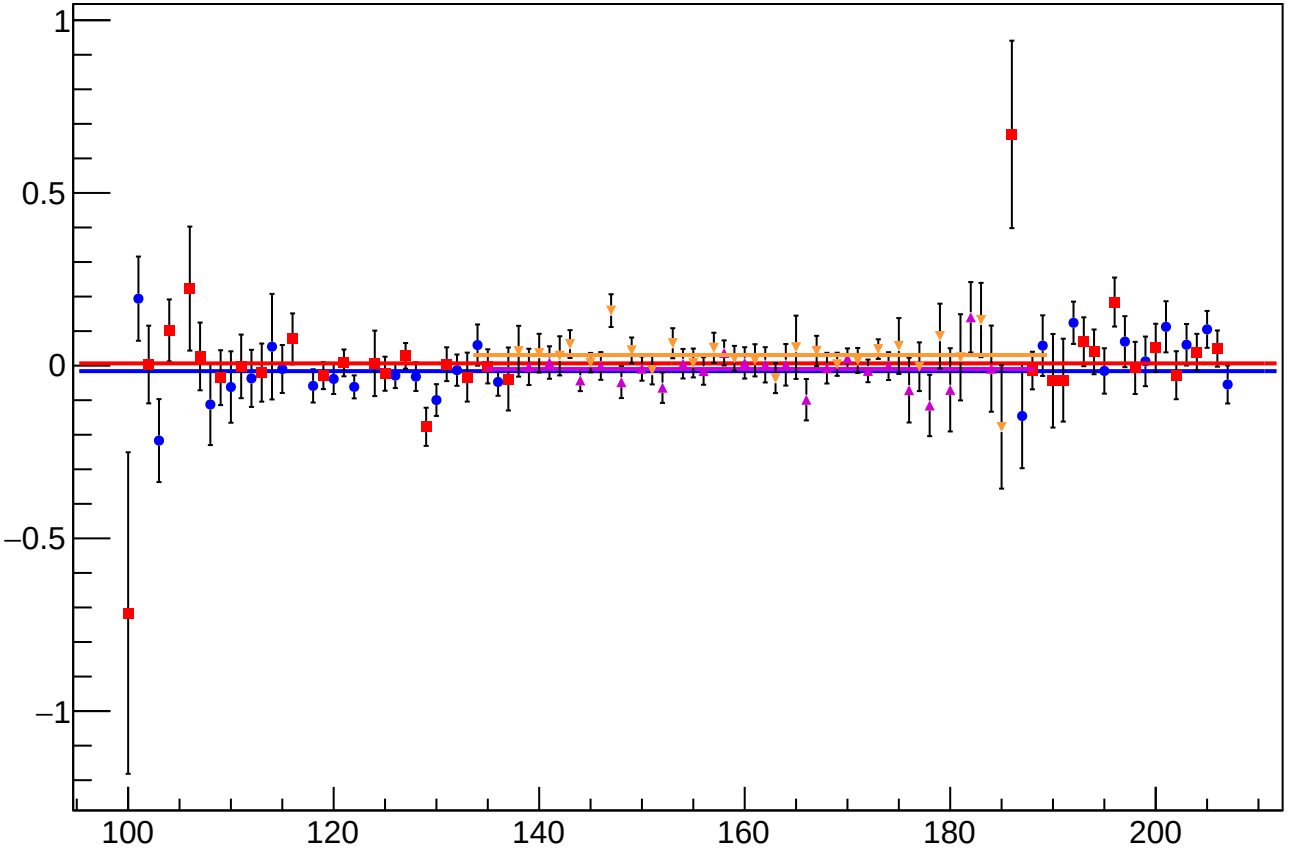
Right: 41.019+/-0.006 χ^2/NDF: 9108873.6/56

In: 37.954+/-0.005 χ^2/NDF:7779919.2/48

Out: 39.341+/-0.005 χ^2/NDF:8644295.9/55

All: 38.649+/-0.004 χ^2/NDF: 16461513.7/104

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/25

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

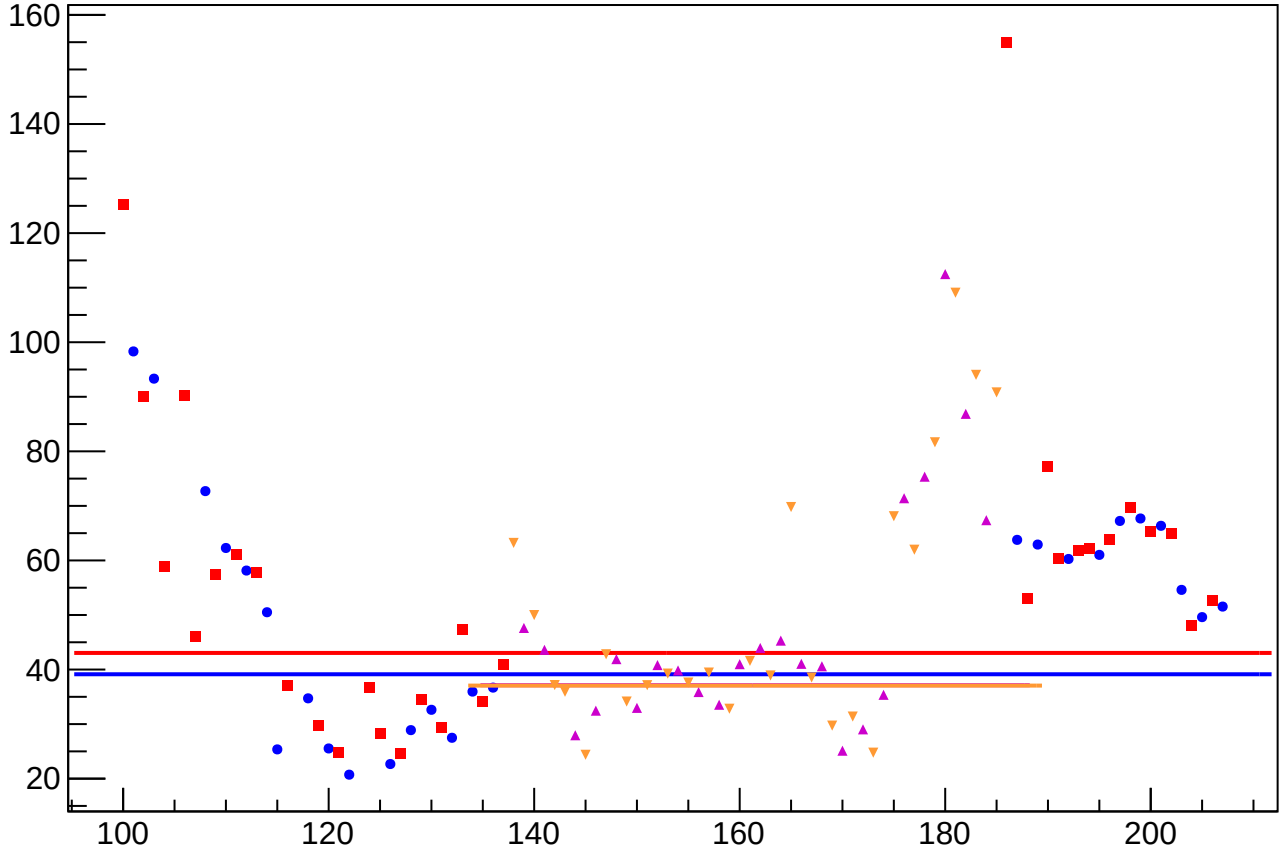
Right: -0.005+/-0.008 χ^2/NDF: 71.0/56

In: -0.012+/-0.007 χ^2/NDF:47.5/48

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.005+/-0.005 χ^2/NDF: 114.1/104

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.135+/-0.008 χ^2/NDF: 4729341.8/25

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

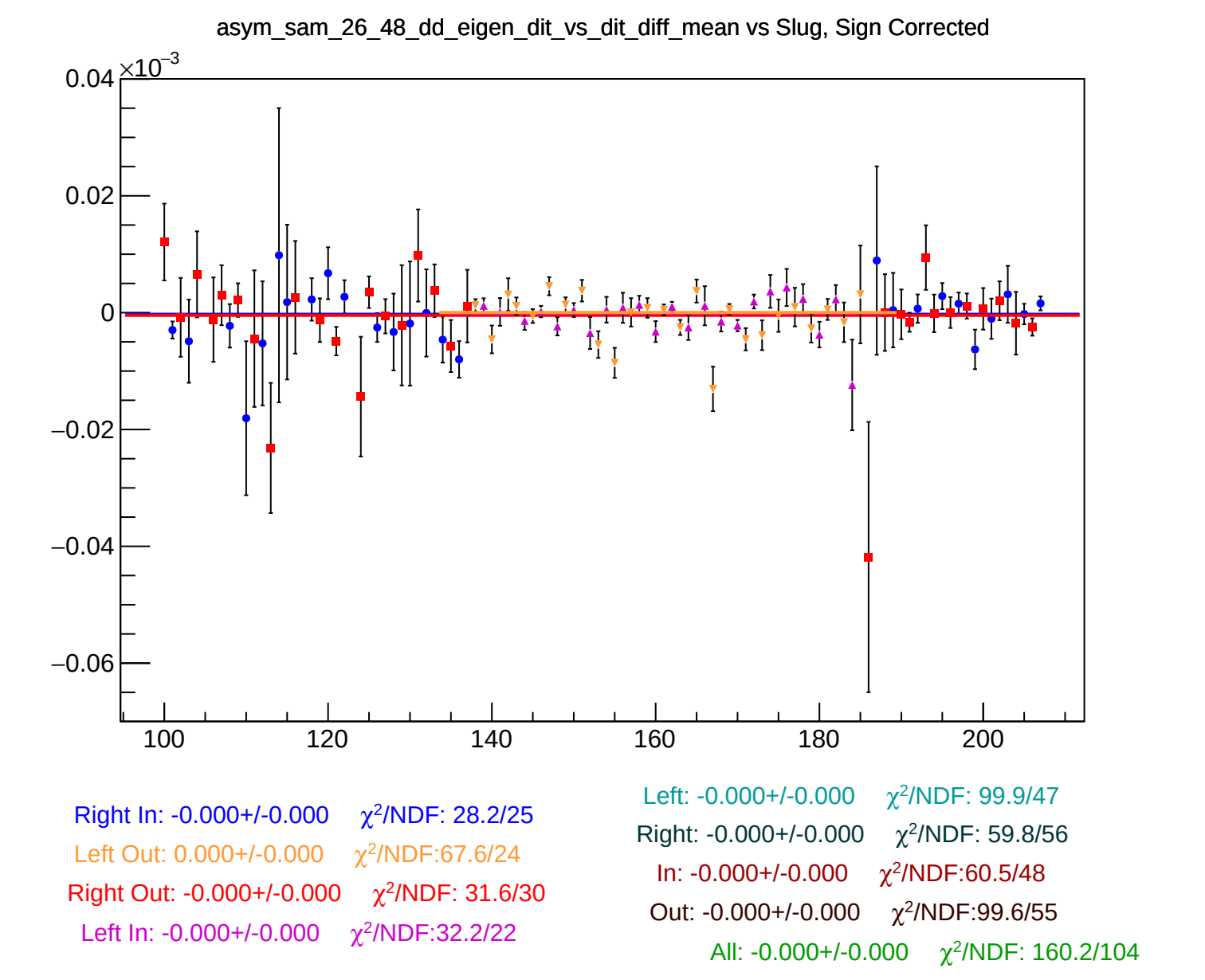
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

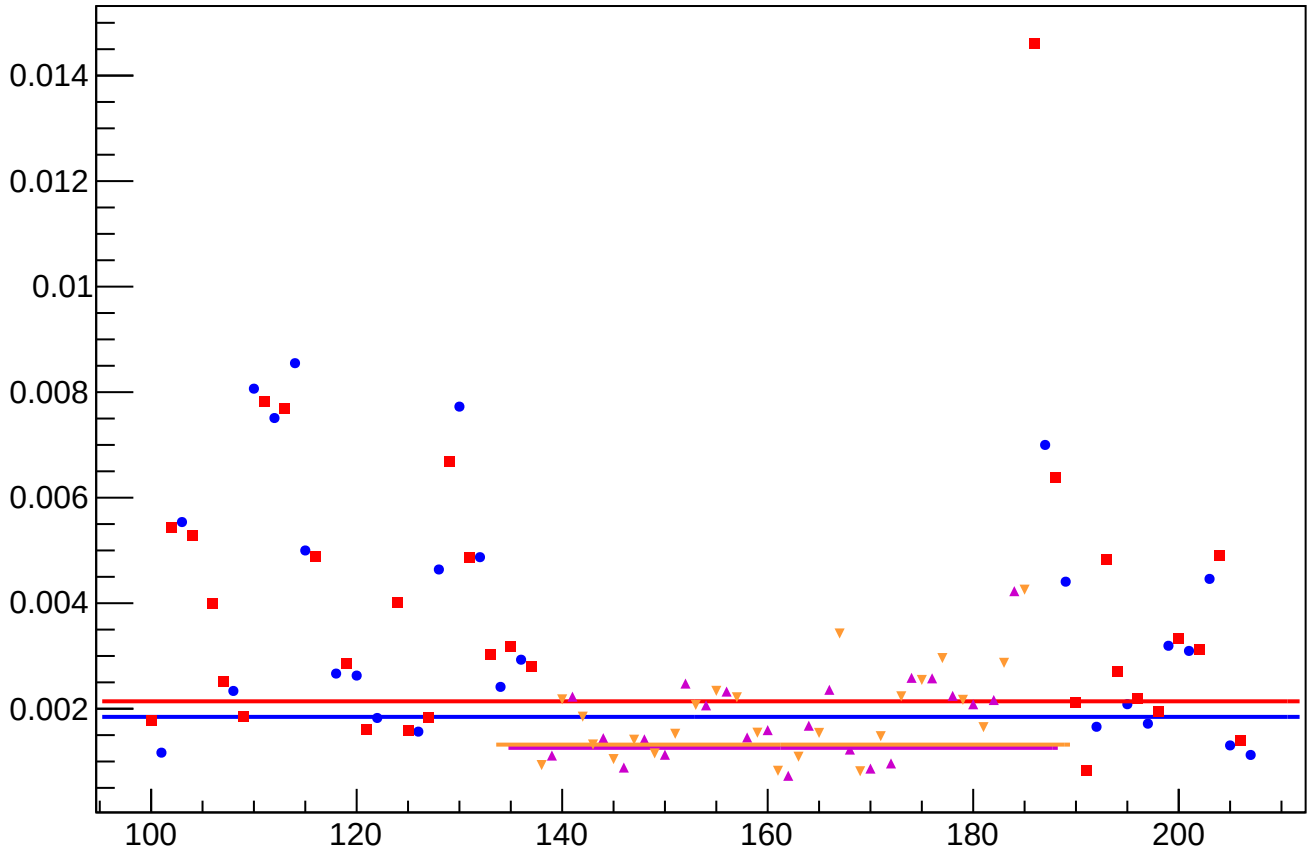
Right: 41.019+/-0.006 χ^2/NDF: 9108873.6/56

In: 37.954+/-0.005 χ^2/NDF:7779919.2/48

Out: 39.341+/-0.005 χ^2/NDF:8644295.9/55

All: 38.649+/-0.004 χ^2/NDF: 16461513.7/104


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: 28.2/25
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: 59.8/56
In: -0.000+/-0.000 χ²/NDF:60.5/48
Out: -0.000+/-0.000 χ²/NDF:99.6/55
All: -0.000+/-0.000 χ²/NDF: 160.2/104



Right In: 0.002+/-0.000 χ^2/NDF: 6686939.6/25

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

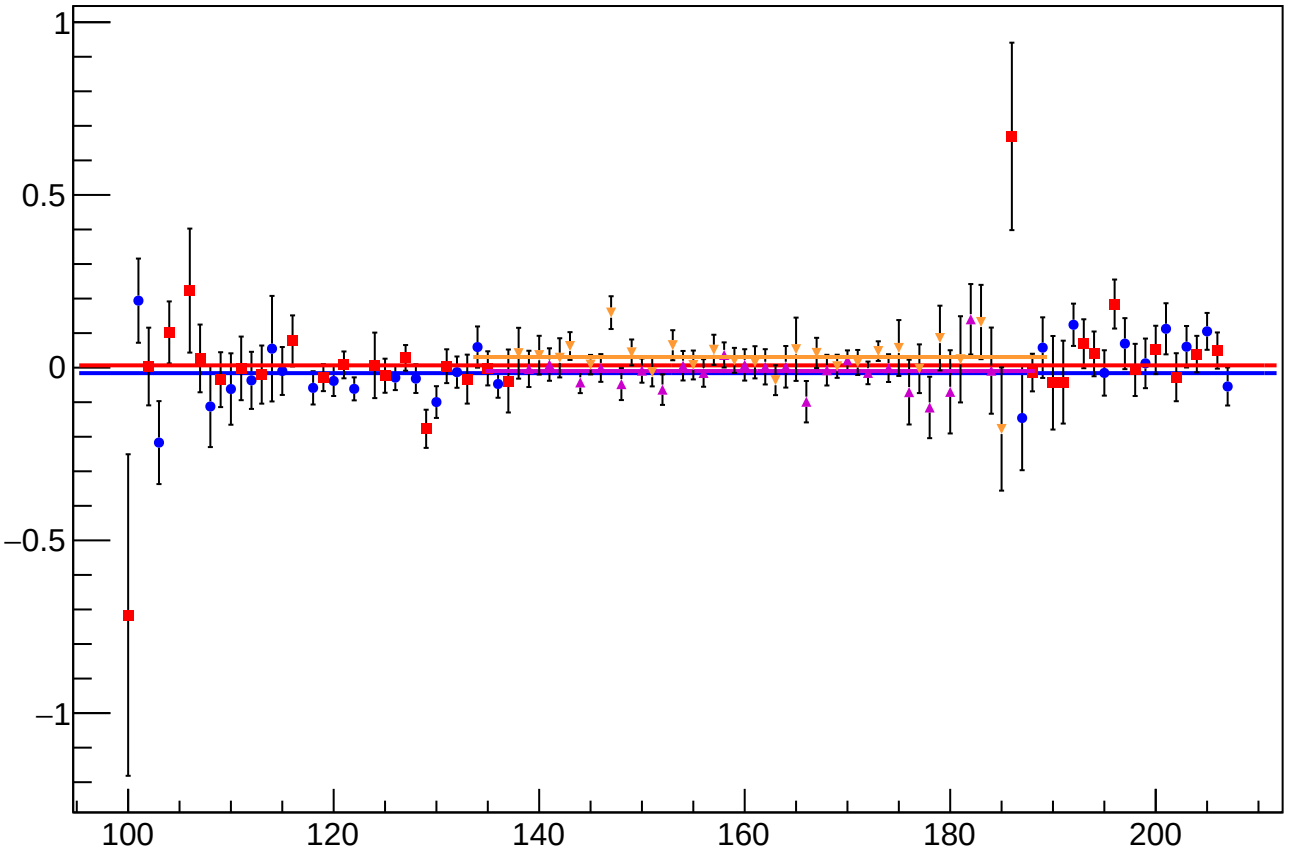
Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

Right: 0.002+/-0.000 χ^2/NDF: 14946217.2/56

In: 0.001+/-0.000 χ^2/NDF:13662160.9/48

Out: 0.001+/-0.000 χ^2/NDF:16308870.4/55

All: 0.001+/-0.000 χ^2/NDF: 30073109.1/104



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/25

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

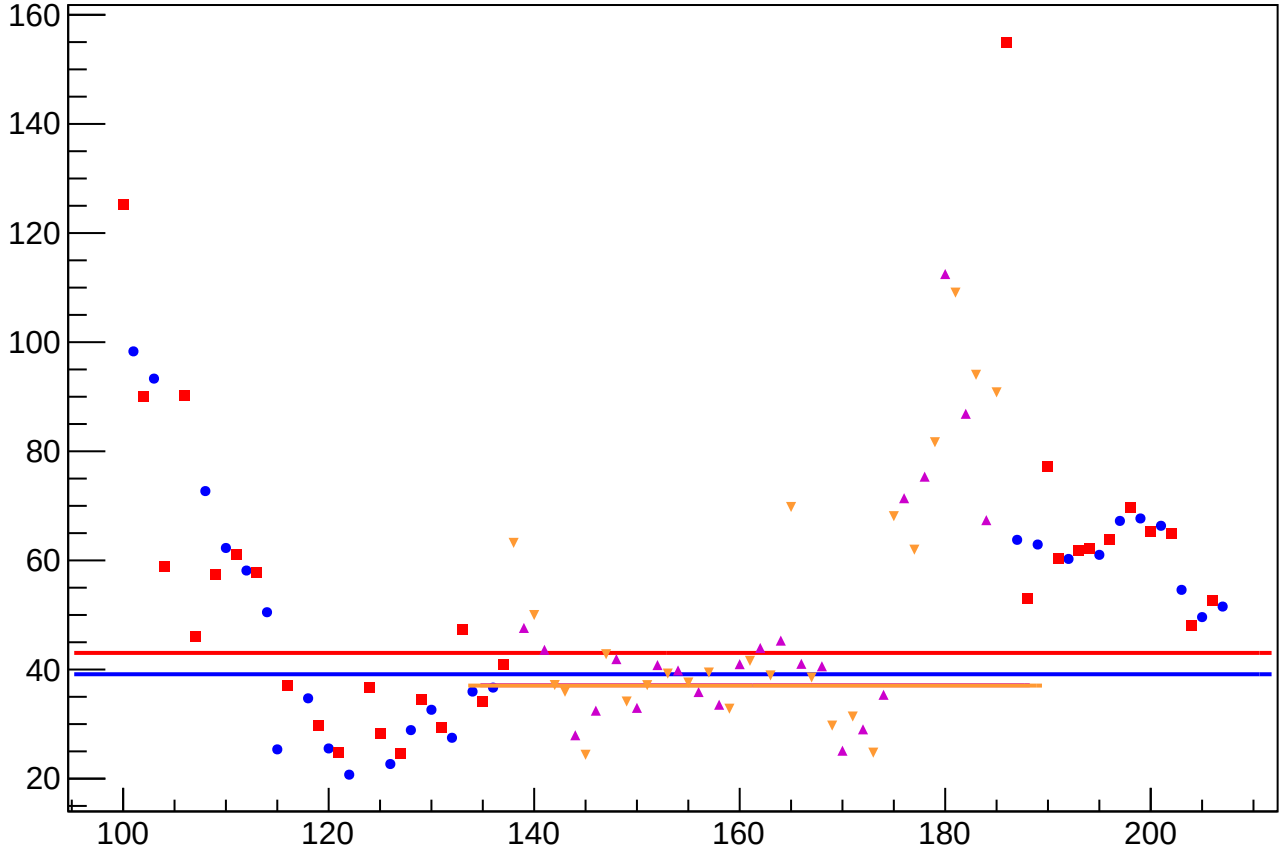
Right: -0.005+/-0.008 χ^2/NDF: 71.0/56

In: -0.012+/-0.007 χ^2/NDF:47.5/48

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.005+/-0.005 χ^2/NDF: 114.1/104

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.135+/-0.008 χ^2/NDF: 4729235.4/25

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

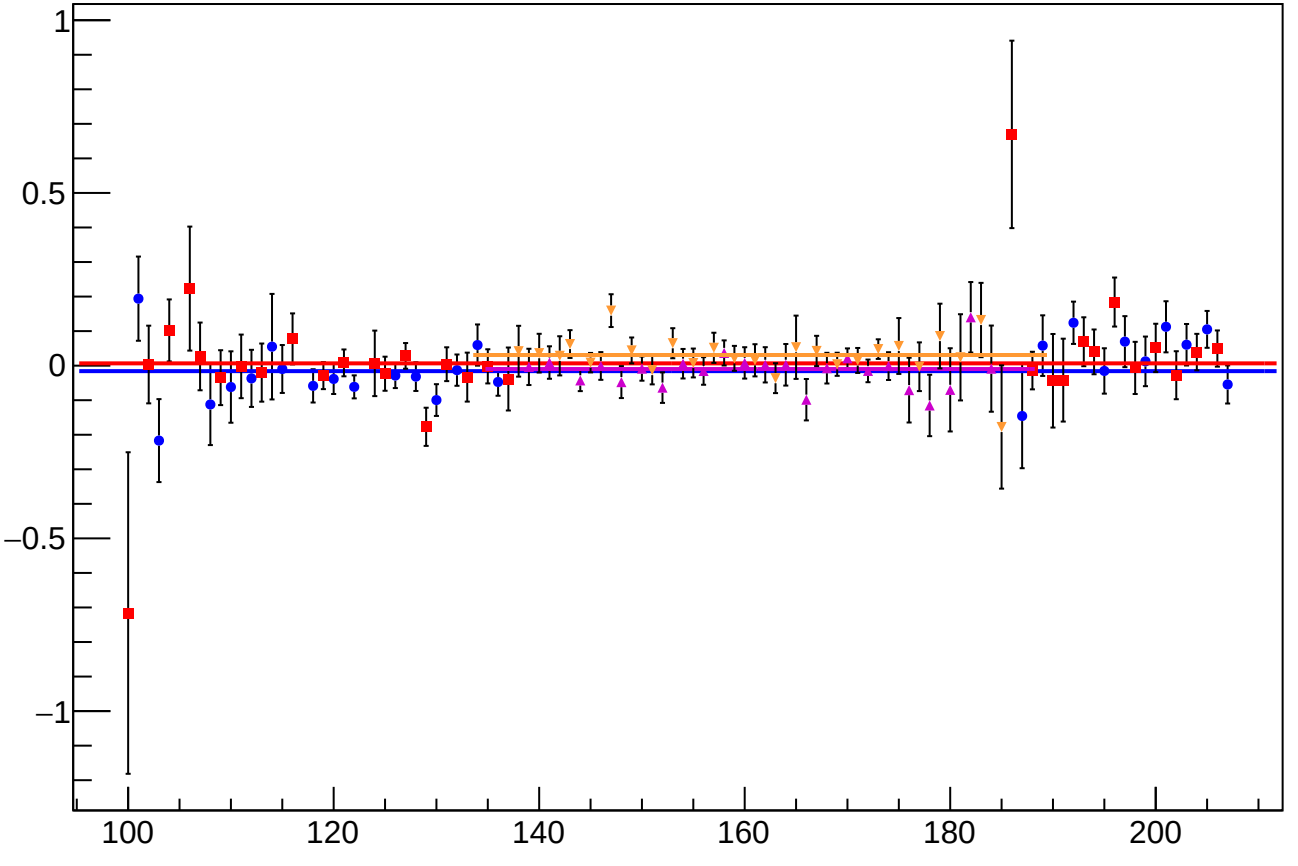
Right: 41.019+/-0.006 χ^2/NDF: 9108566.0/56

In: 37.954+/-0.005 χ^2/NDF:7779798.7/48

Out: 39.341+/-0.005 χ^2/NDF:8644147.2/55

All: 38.649+/-0.004 χ^2/NDF: 16461245.3/104

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.016+/-0.011 χ^2/NDF: 34.1/25

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

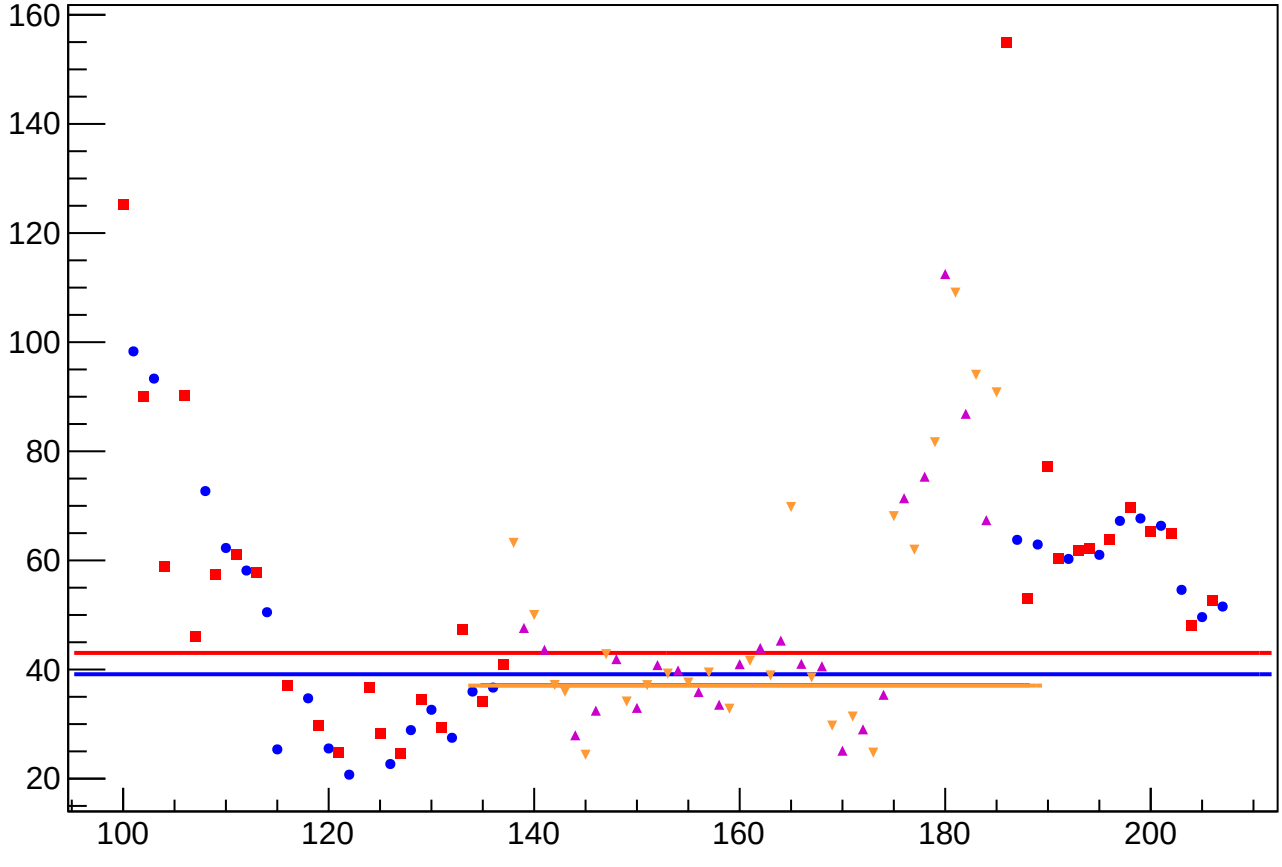
Right: -0.005+/-0.008 χ^2/NDF: 71.0/56

In: -0.012+/-0.007 χ^2/NDF:47.5/48

Out: 0.022+/-0.007 χ^2/NDF:55.5/55

All: 0.005+/-0.005 χ^2/NDF: 114.1/104

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.135+/-0.008 χ^2/NDF: 4729235.4/25

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

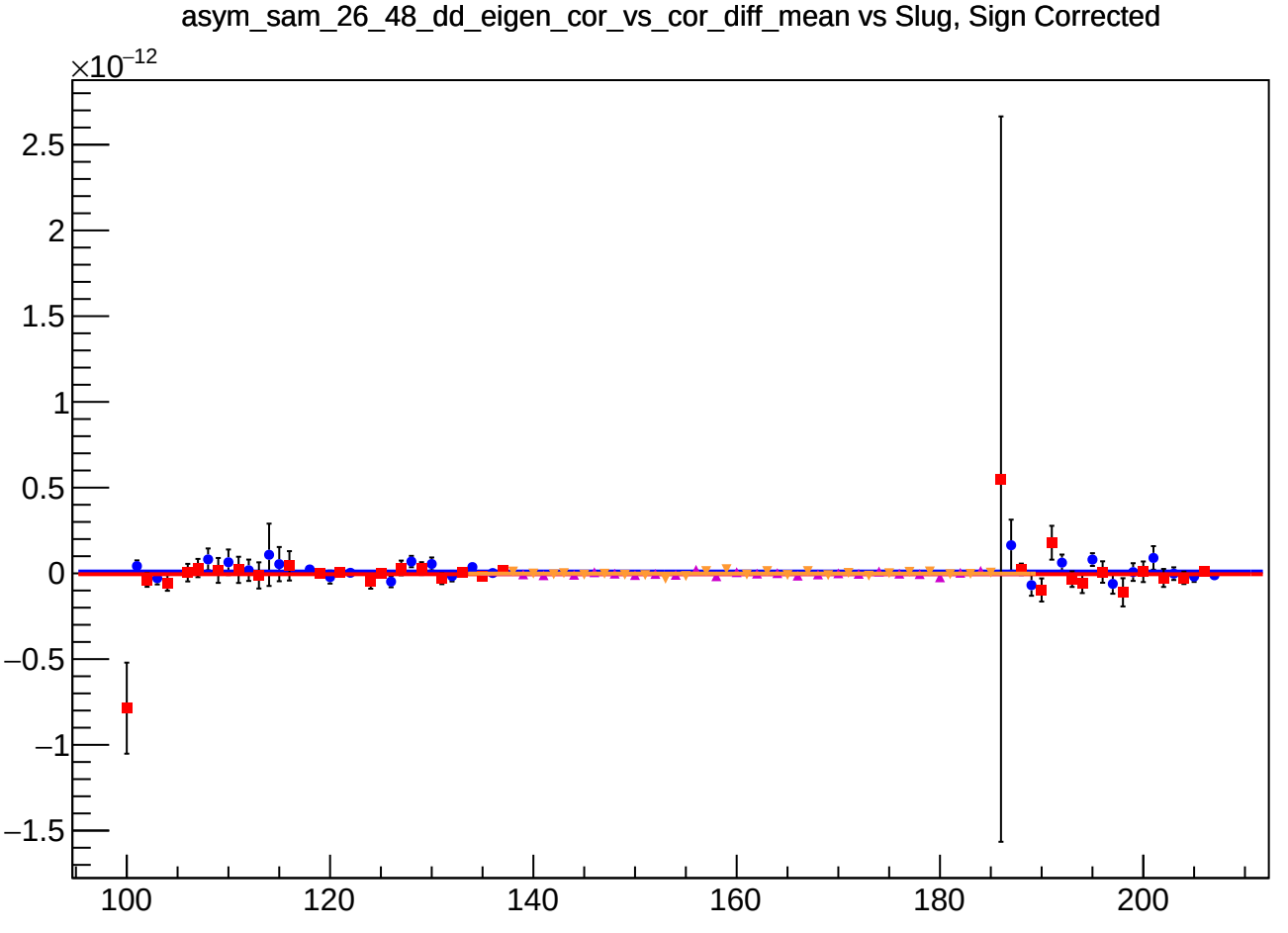
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 41.019+/-0.006 χ^2/NDF: 9108566.0/56

In: 37.954+/-0.005 χ^2/NDF:7779798.7/48

Out: 39.341+/-0.005 χ^2/NDF:8644147.2/55

All: 38.649+/-0.004 χ^2/NDF: 16461245.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/25

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

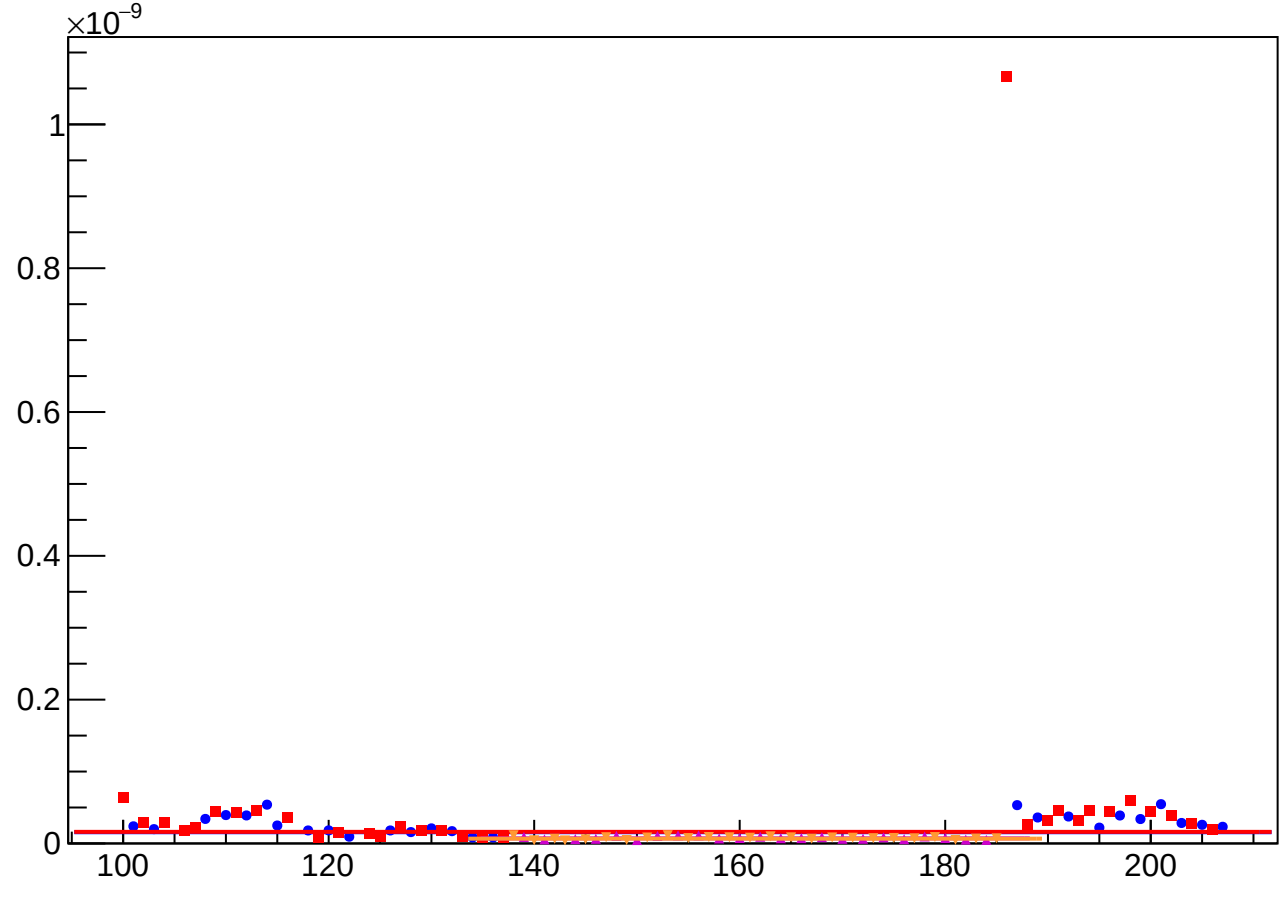
Right: 0.000+/-0.000 χ^2/NDF: 60.1/56

In: -0.000+/-0.000 χ^2/NDF:54.4/48

Out: -0.000+/-0.000 χ^2/NDF:54.1/55

All: -0.000+/-0.000 χ^2/NDF: 108.4/104

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5279968.7/25

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

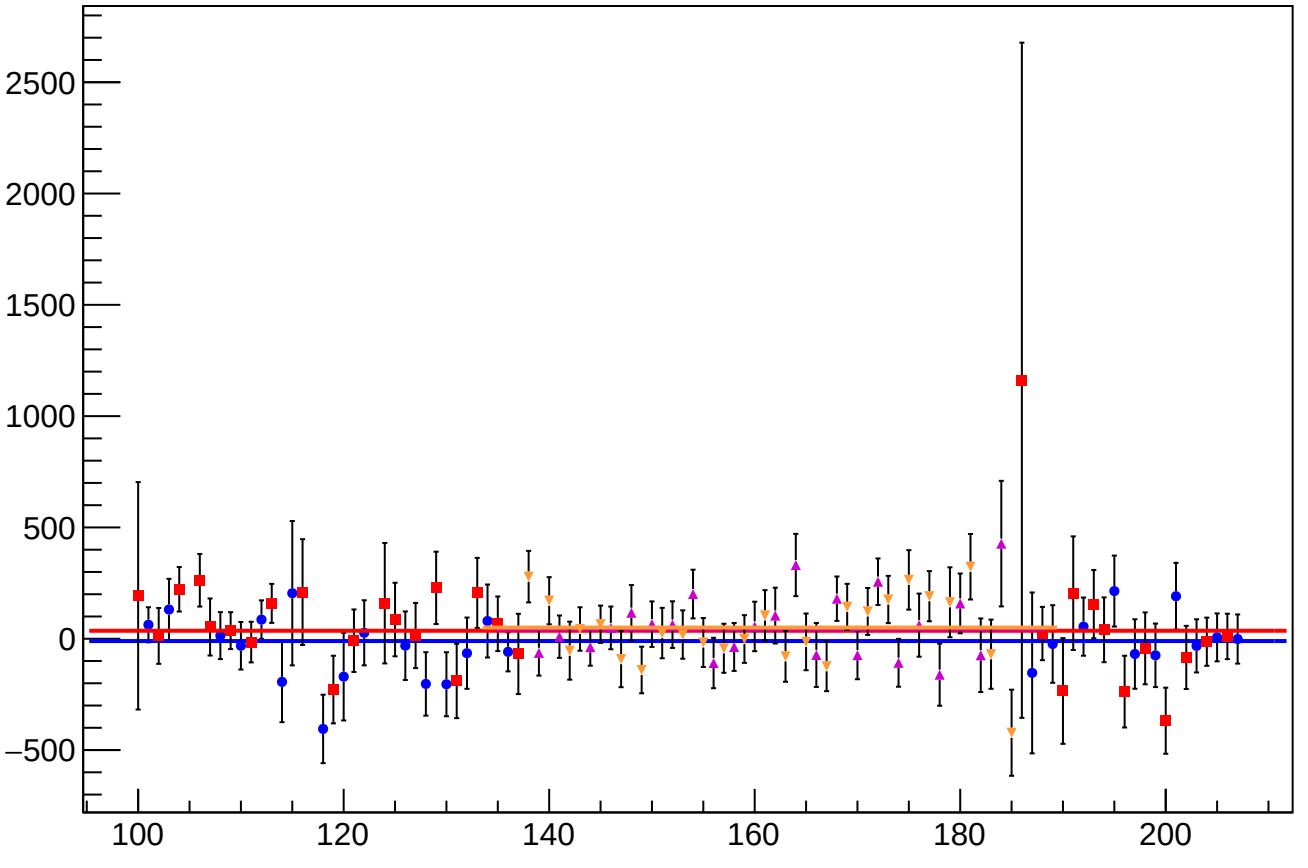
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12472240.8/56

In: 0.000+/-0.000 χ^2/NDF:10521866.0/48

Out: 0.000+/-0.000 χ^2/NDF:13742695.7/55

All: 0.000+/-0.000 χ^2/NDF: 24325586.8/104



Right In: -10.288+/-25.507 χ^2/NDF: 21.0/25

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

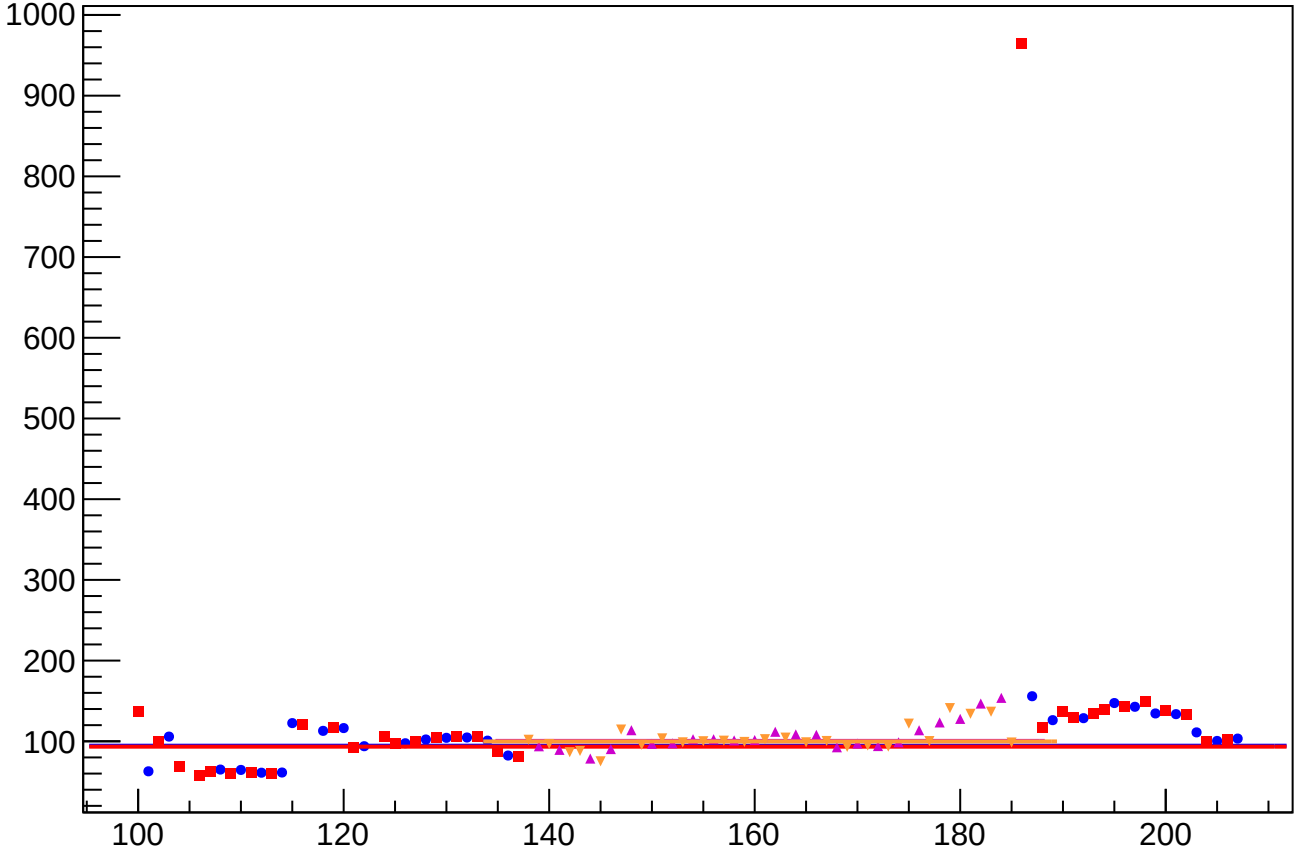
Right: 13.745+/-17.679 χ^2/NDF: 55.5/56

In: 18.259+/-17.385 χ^2/NDF:50.0/48

Out: 43.611+/-16.760 χ^2/NDF:66.4/55

All: 31.399+/-12.066 χ^2/NDF: 117.5/104

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.538+/-0.018 χ^2/NDF: 2172998.8/25

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

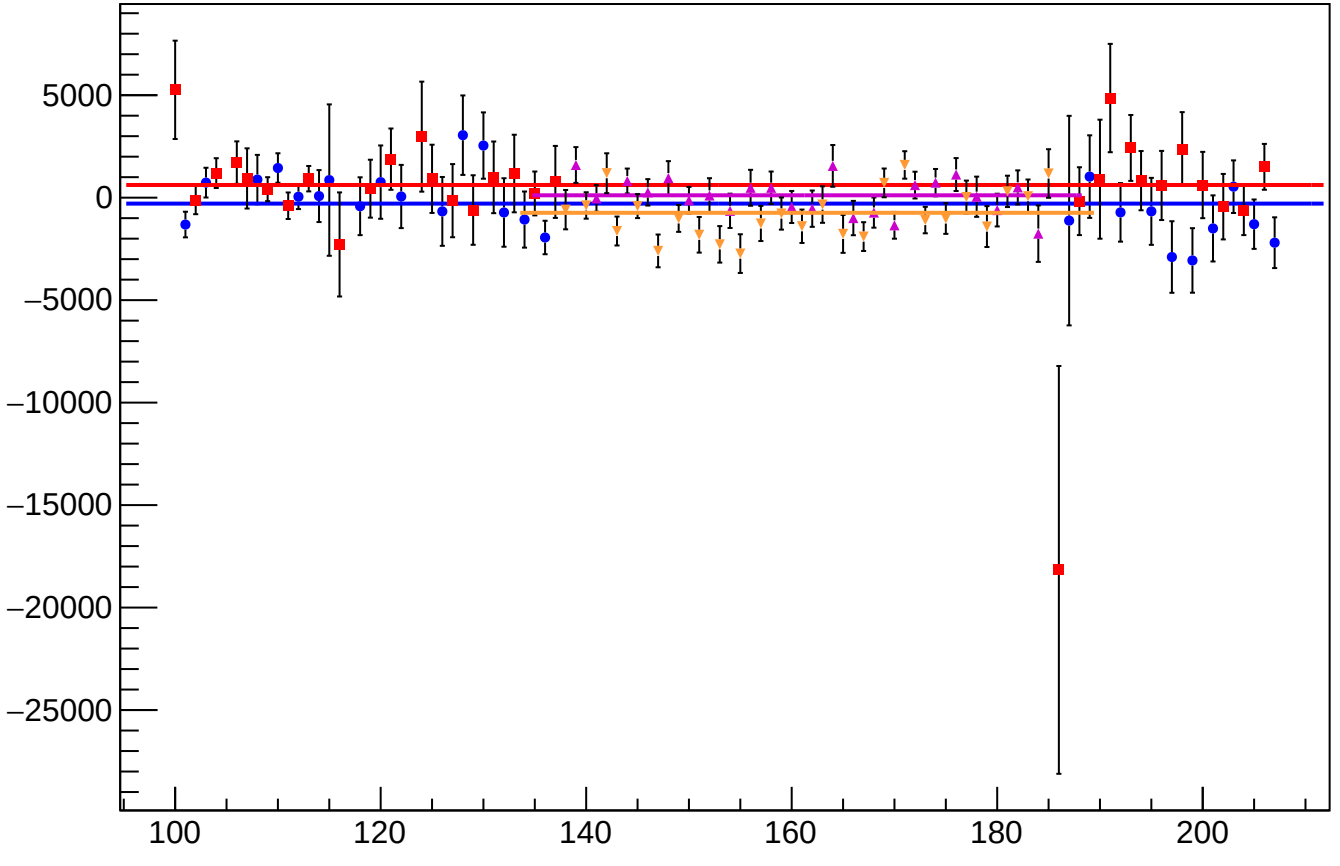
Right: 93.920+/-0.013 χ^2/NDF: 5600943.5/56

In: 97.729+/-0.012 χ^2/NDF:2888307.7/48

Out: 96.807+/-0.012 χ^2/NDF:4198116.1/55

All: 97.252+/-0.009 χ^2/NDF: 7089339.4/104

asym_sam_1548_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -290.103+/-227.304 χ^2/NDF: 32.9/25

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

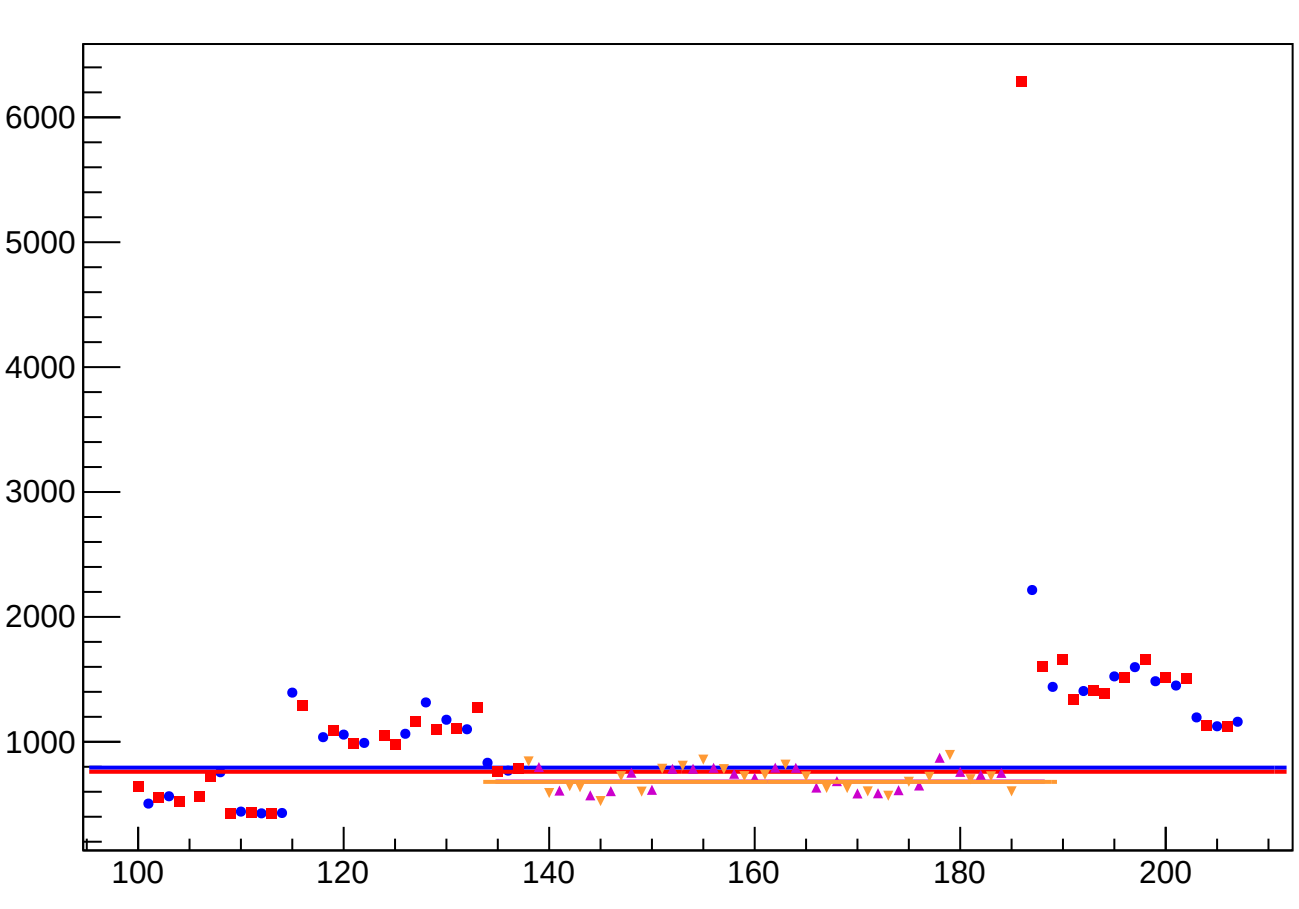
Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

Right: 193.489+/-155.509 χ^2/NDF: 65.4/56

In: -19.902+/-131.376 χ^2/NDF:58.7/48

Out: -263.871+/-126.064 χ^2/NDF:100.1/55

All: -146.919+/-90.961 χ^2/NDF: 160.6/104



Right In: 793.166+/-0.161 χ^2/NDF: 5368545.7/25

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

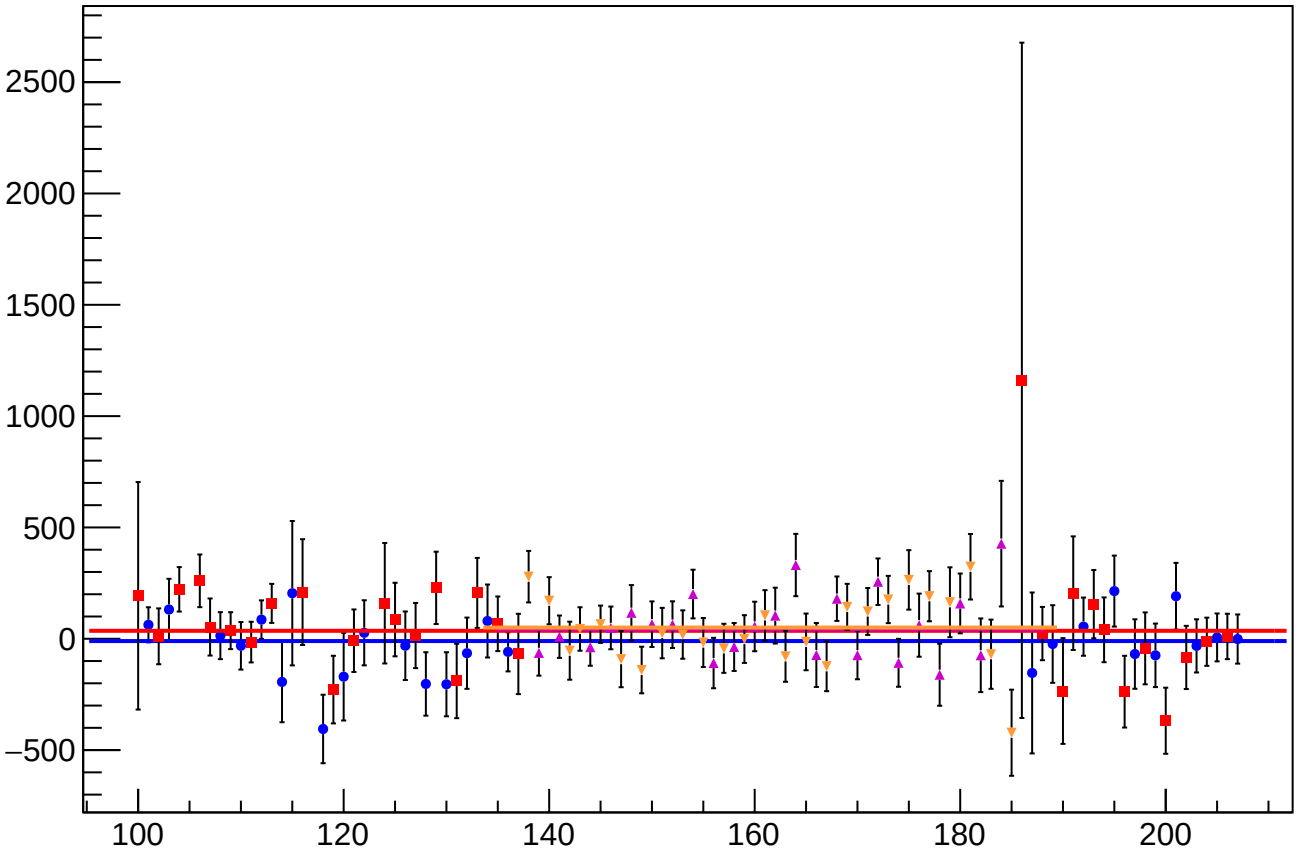
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 775.566+/-0.110 χ^2/NDF: 12625580.0/56

In: 719.065+/-0.093 χ^2/NDF:6261534.4/48

Out: 707.438+/-0.089 χ^2/NDF:8159348.8/55

All: 713.012+/-0.064 χ^2/NDF: 14429037.7/10



Right In: -10.289+/-25.507 χ^2/NDF: 21.0/25

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

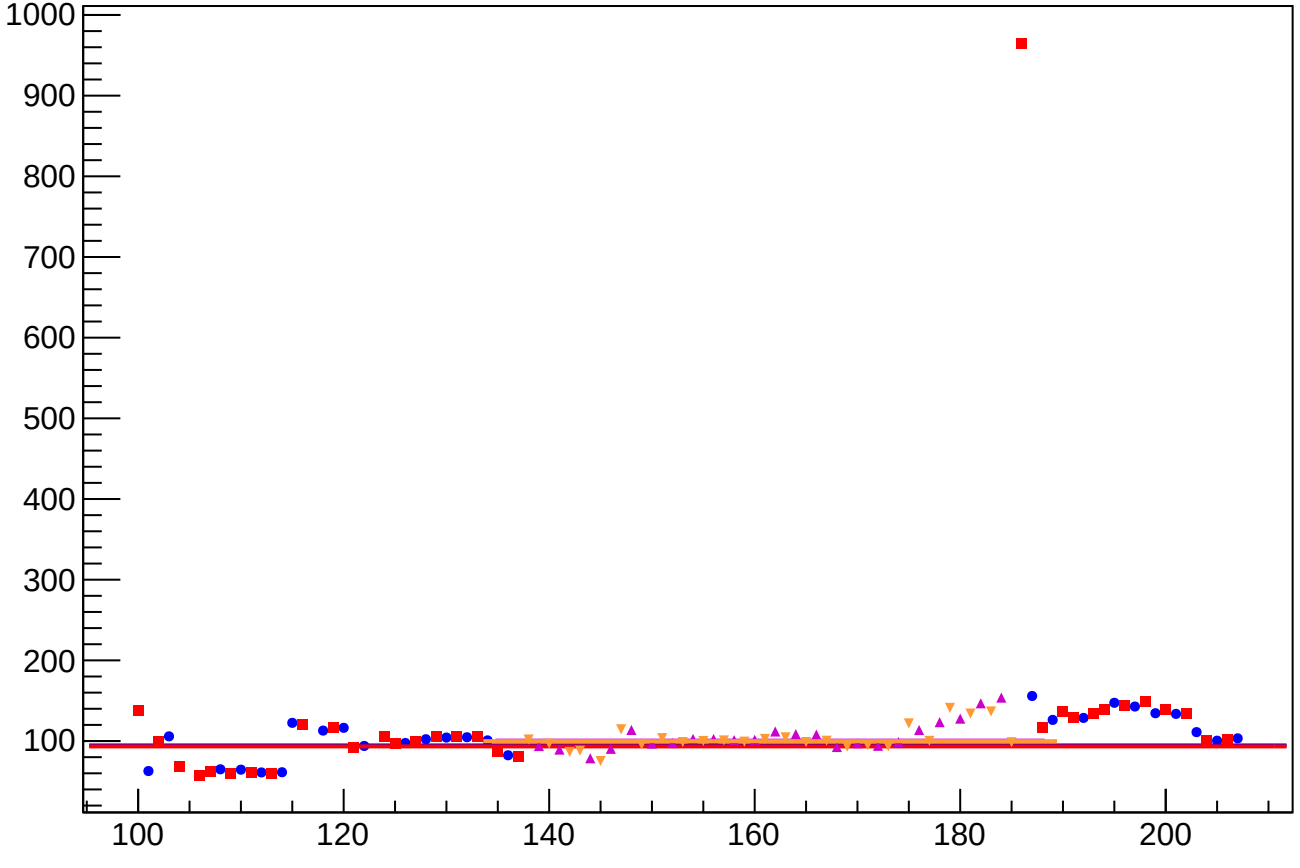
Right: 13.651+/-17.679 χ^2/NDF: 55.4/56

In: 18.259+/-17.385 χ^2/NDF:50.0/48

Out: 43.533+/-16.760 χ^2/NDF:66.3/55

All: 31.358+/-12.066 χ^2/NDF: 117.4/104

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.538+/-0.018 χ^2/NDF: 2173000.0/25

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

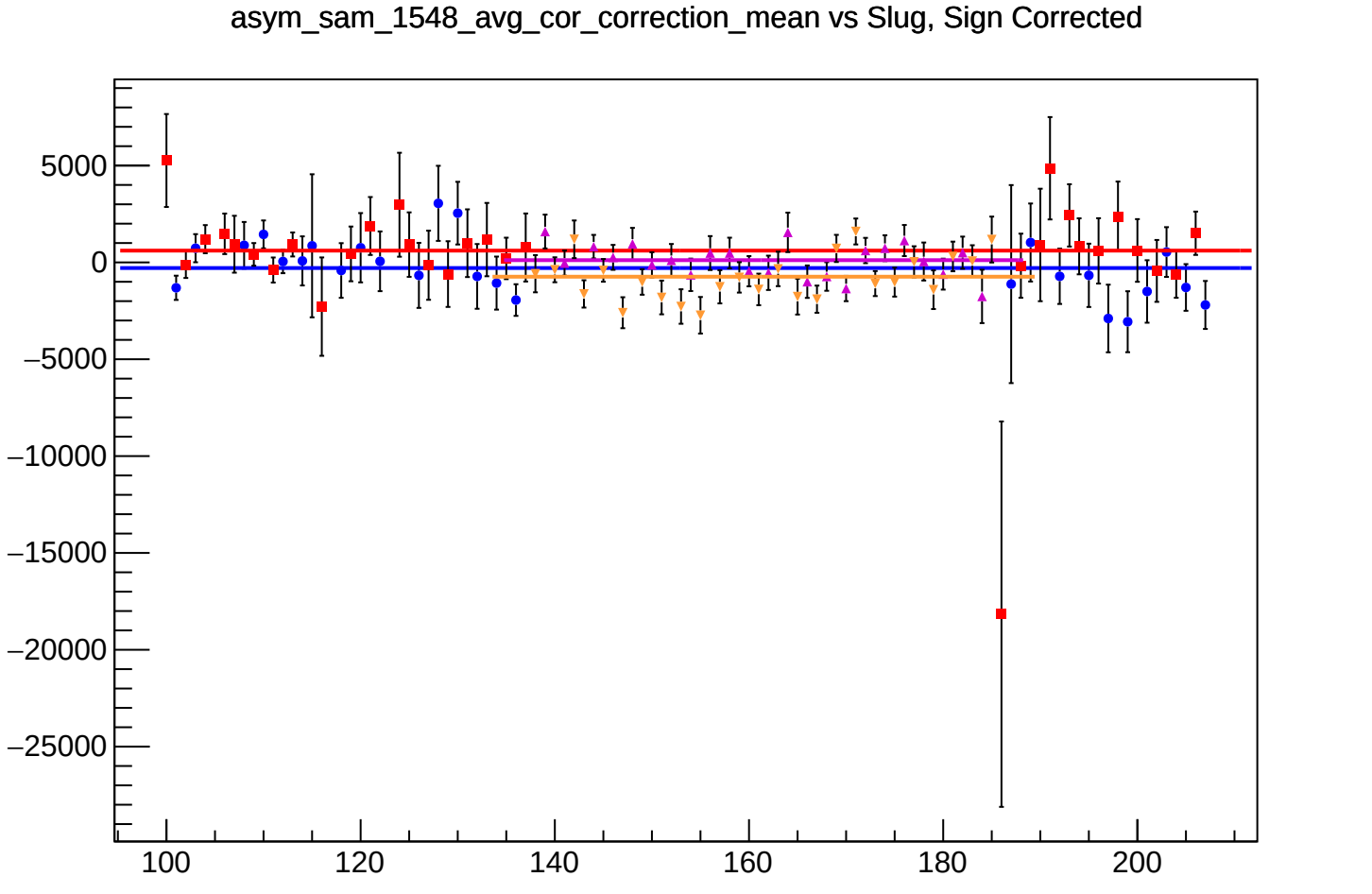
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

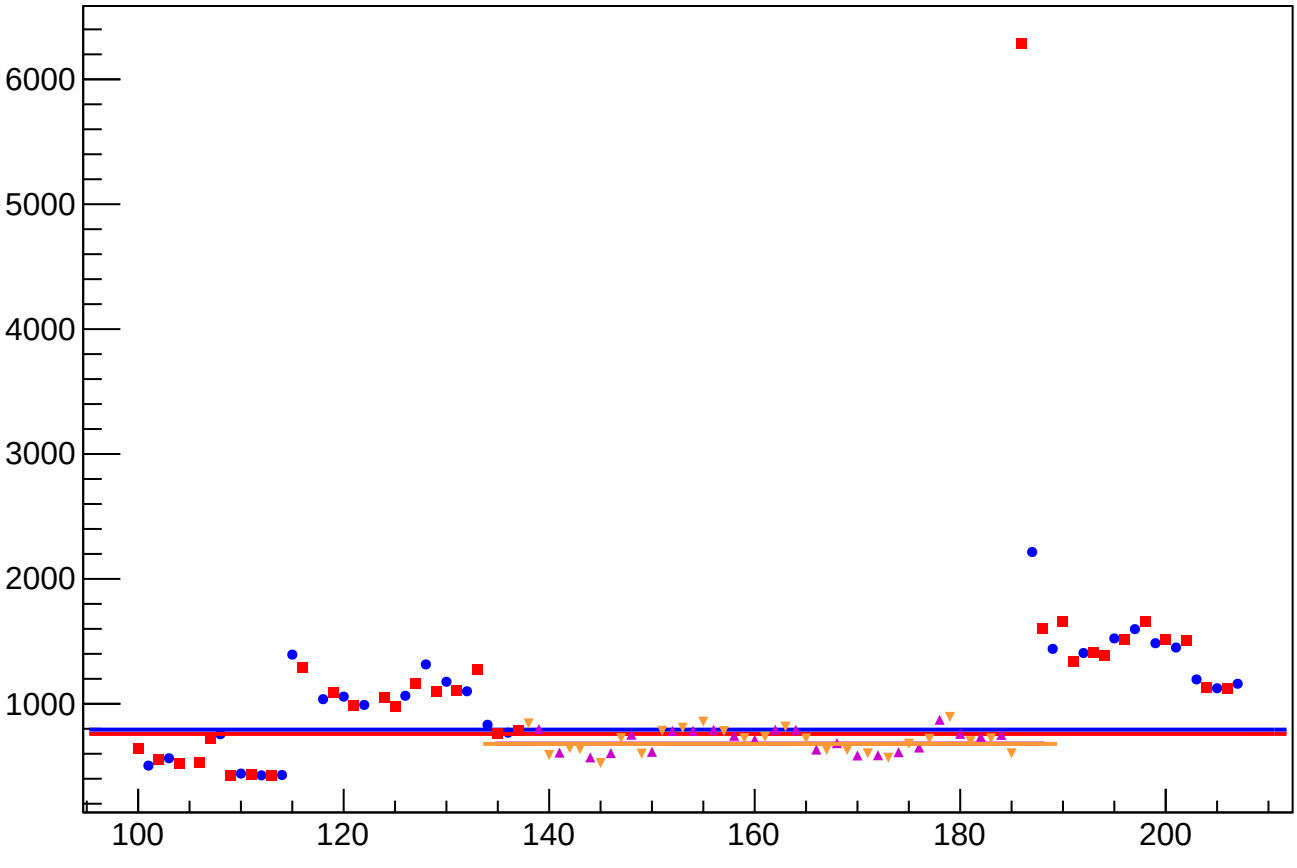
Right: 93.914+/-0.013 χ^2/NDF: 5604316.8/56

In: 97.729+/-0.012 χ^2/NDF:2888308.7/48

Out: 96.802+/-0.012 χ^2/NDF:4201701.4/55

All: 97.249+/-0.009 χ^2/NDF: 7092958.3/104


asym_sam_1548_avg_cor_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -290.127+/-227.306 χ²/NDF: 32.9/25
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: 187.789+/-155.551 χ²/NDF: 64.8/56
In: -19.908+/-131.377 χ²/NDF:58.7/48
Out: -267.763+/-126.086 χ²/NDF:99.2/55
All: -148.927+/-90.969 χ²/NDF: 159.8/104



Right In: 793.176+/-0.161 χ^2/NDF: 5368407.0/25

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

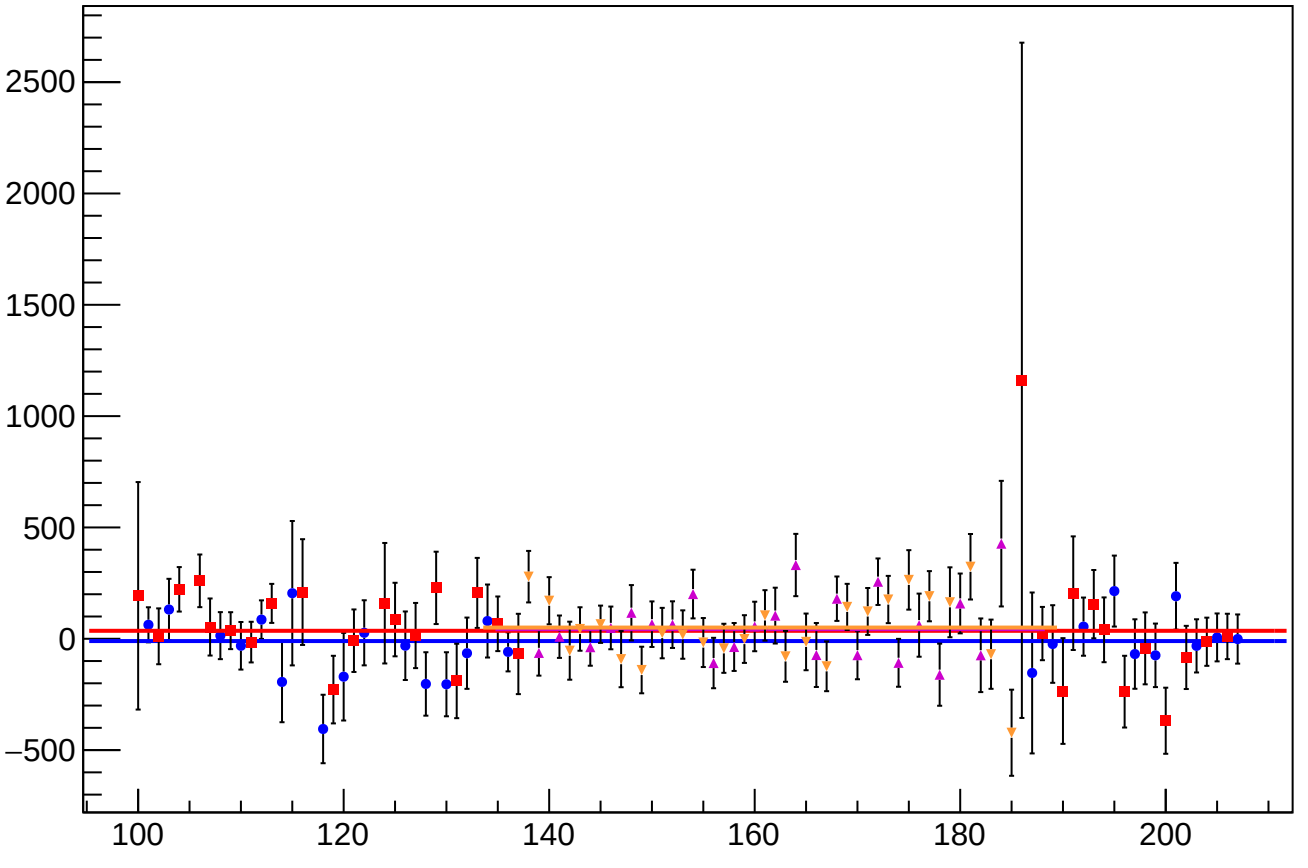
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 774.949+/-0.110 χ^2/NDF: 12651523.7/56

In: 719.067+/-0.093 χ^2/NDF:6261449.5/48

Out: 707.006+/-0.089 χ^2/NDF:8178219.3/55

All: 712.789+/-0.064 χ^2/NDF: 14448443.6/10



Right In: -10.289+/-25.507 χ^2/NDF: 21.0/25

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

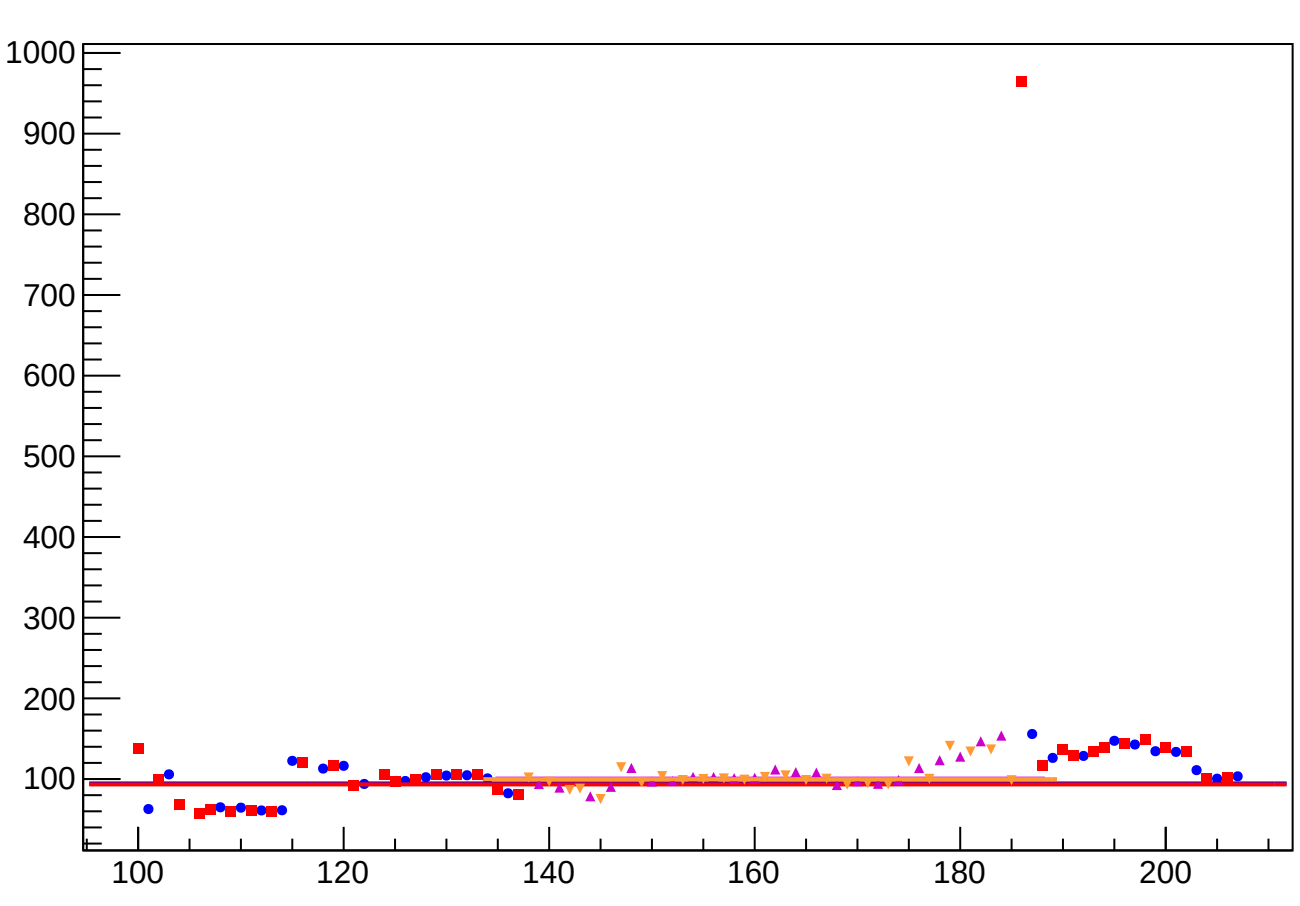
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 13.651+/-17.679 χ^2/NDF: 55.4/56

In: 18.259+/-17.385 χ^2/NDF:50.0/48

Out: 43.533+/-16.760 χ^2/NDF:66.3/55

All: 31.358+/-12.066 χ^2/NDF: 117.4/104



Right In: 94.538+/-0.018 χ^2/NDF: 2173000.0/25

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

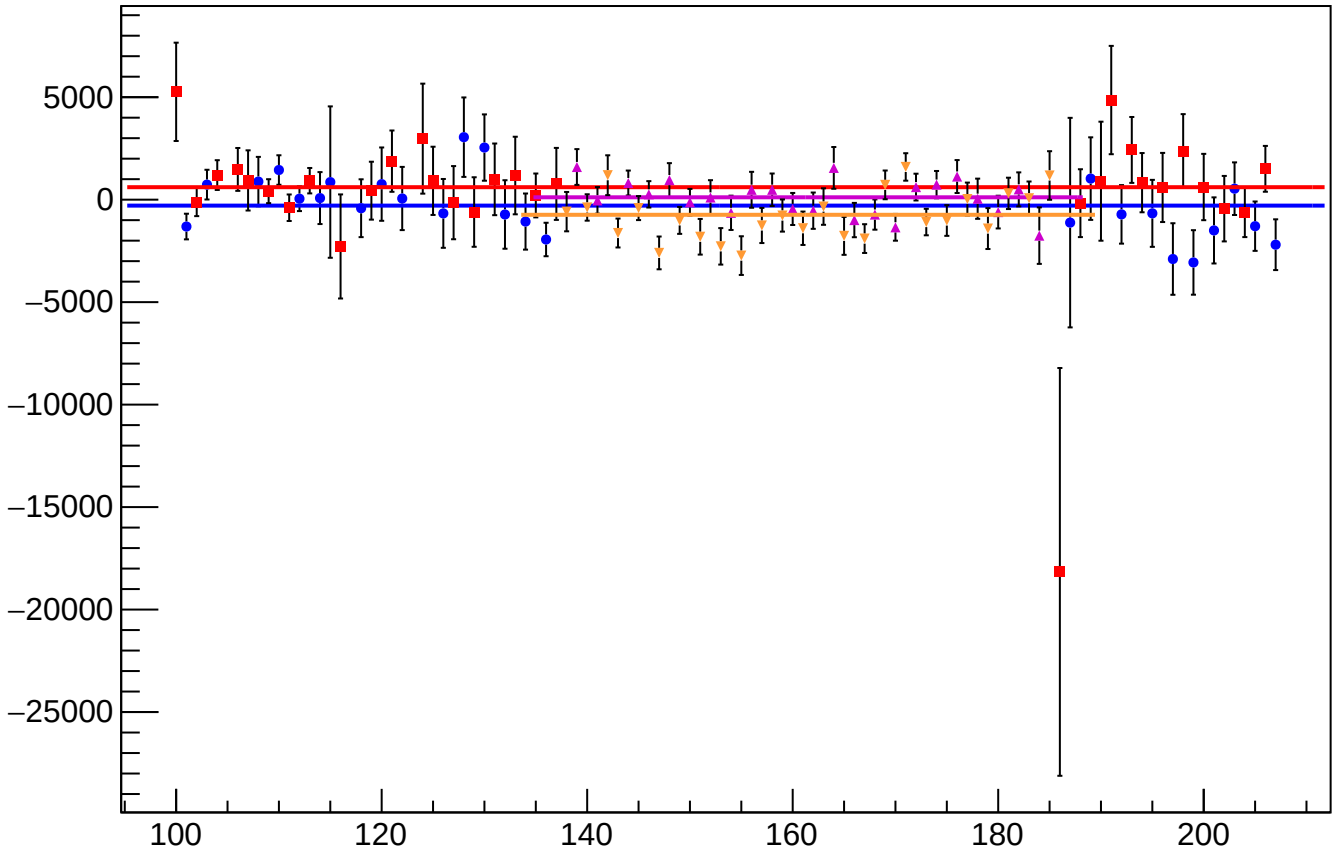
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 93.914+/-0.013 χ^2/NDF: 5604316.8/56

In: 97.729+/-0.012 χ^2/NDF:2888308.7/48

Out: 96.802+/-0.012 χ^2/NDF:4201701.4/55

All: 97.249+/-0.009 χ^2/NDF: 7092958.3/104



Right In: -290.127+/-227.306 χ^2/NDF: 32.9/25

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

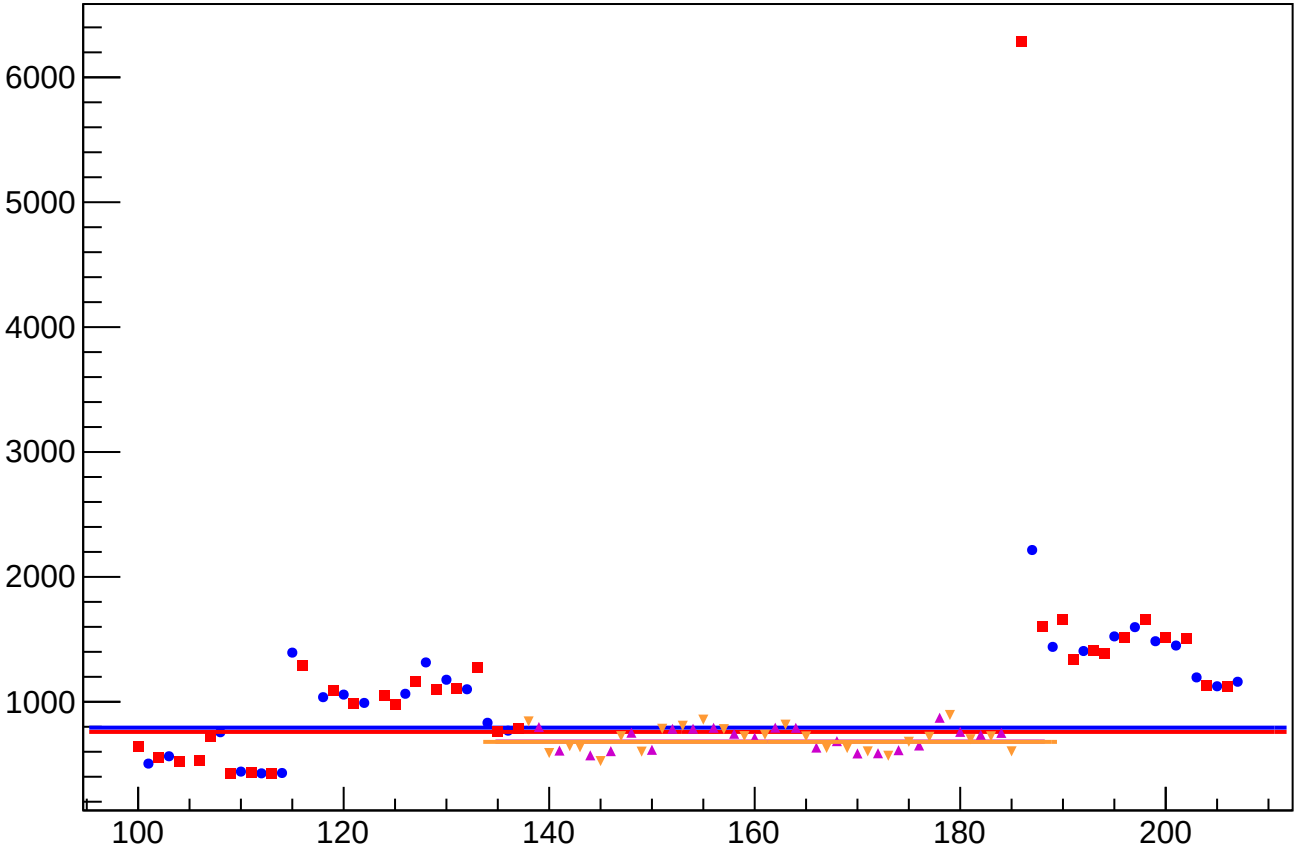
Right: 187.789+/-155.551 χ^2/NDF: 64.8/56

In: -19.908+/-131.377 χ^2/NDF:58.7/48

Out: -267.763+/-126.086 χ^2/NDF:99.2/55

All: -148.927+/-90.969 χ^2/NDF: 159.8/104

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 793.176+/-0.161 χ^2/NDF: 5368407.0/25

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

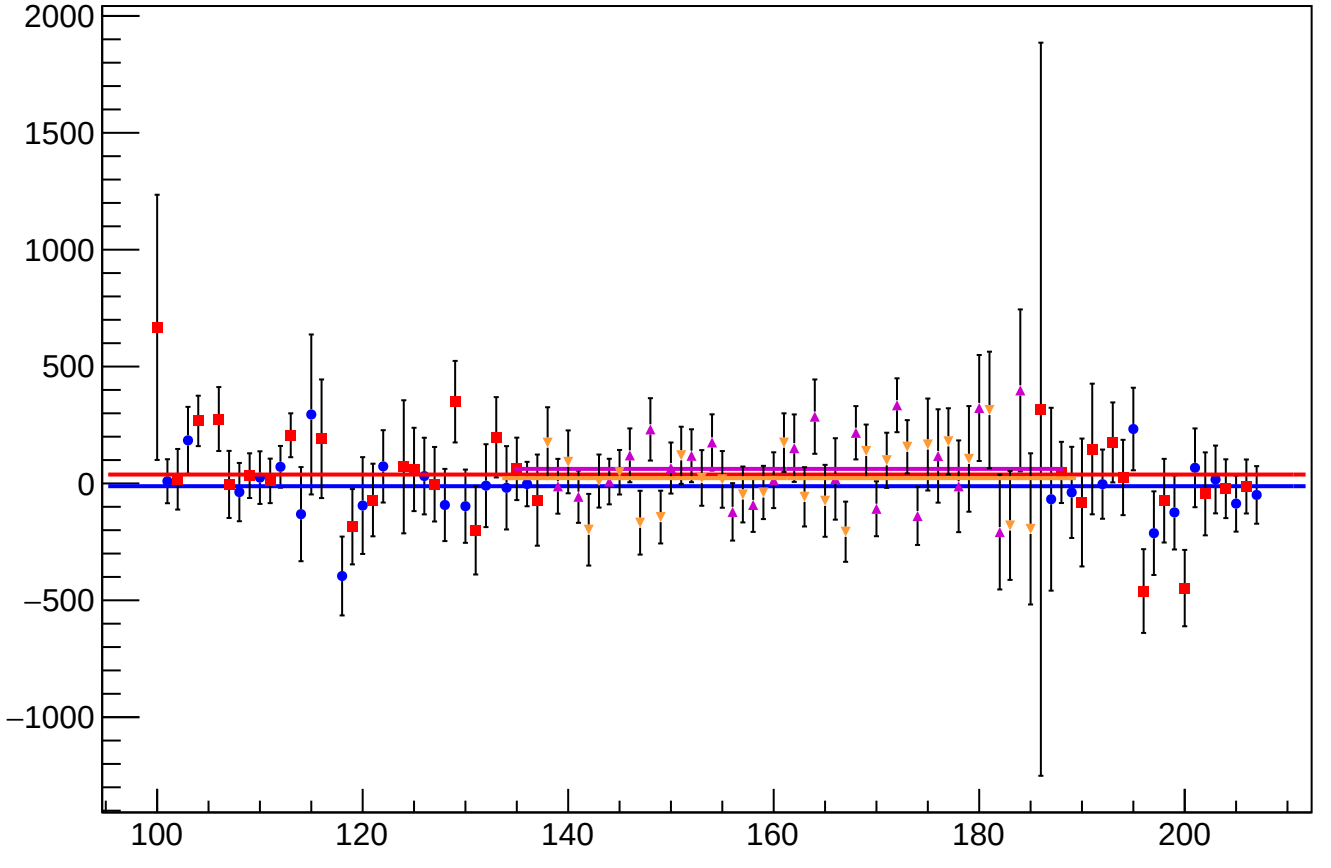
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 774.949+/-0.110 χ^2/NDF: 12651523.7/56

In: 719.067+/-0.093 χ^2/NDF:6261449.5/48

Out: 707.006+/-0.089 χ^2/NDF:8178219.3/55

All: 712.789+/-0.064 χ^2/NDF: 14448443.6/10



Right In: -11.854+/-28.204 χ^2/NDF: 14.9/25

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

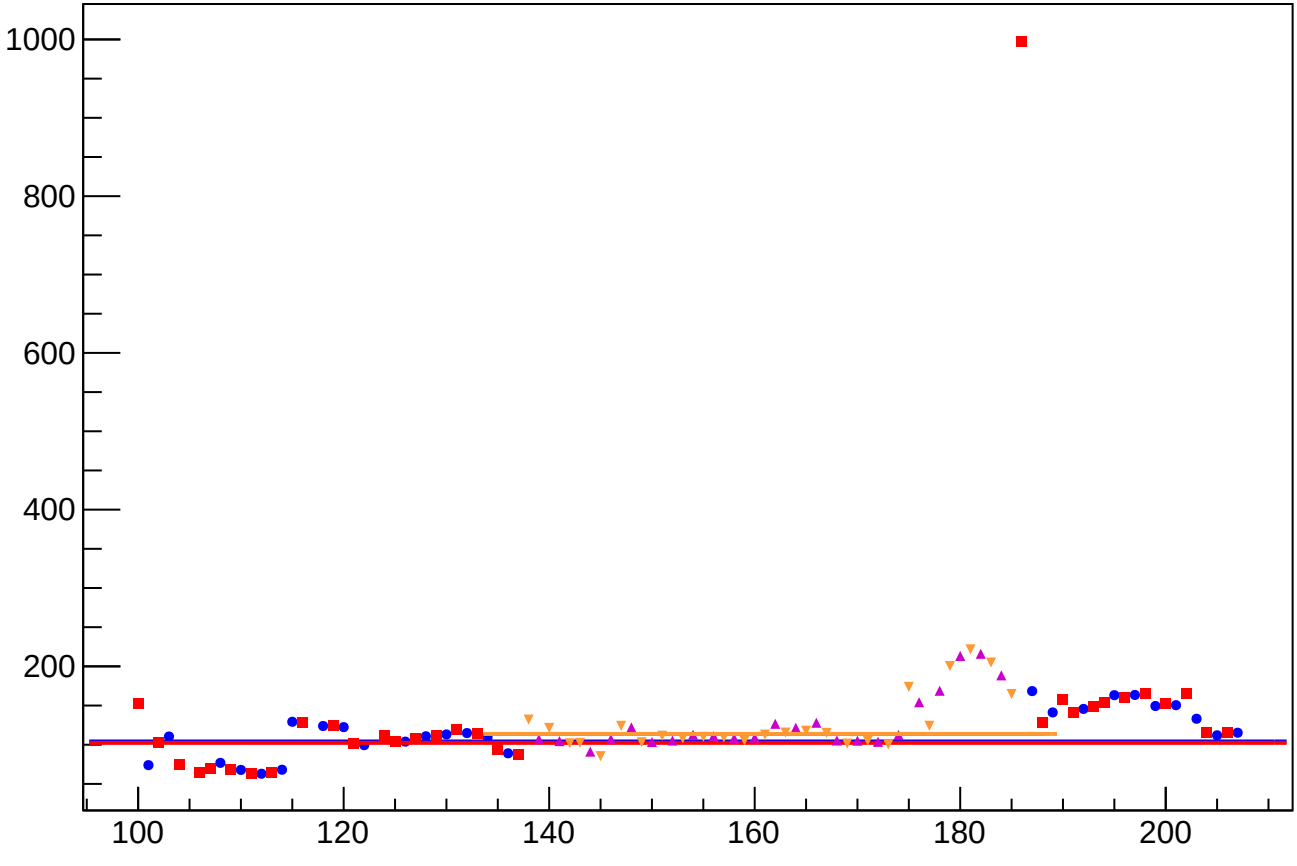
Right: 14.127+/-19.523 χ^2/NDF: 56.2/56

In: 26.310+/-19.630 χ^2/NDF:45.7/48

Out: 30.168+/-18.982 χ^2/NDF:61.4/55

All: 28.304+/-13.646 χ^2/NDF: 107.2/104

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 104.140+/-0.020 χ^2/NDF: 2275136.5/25

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

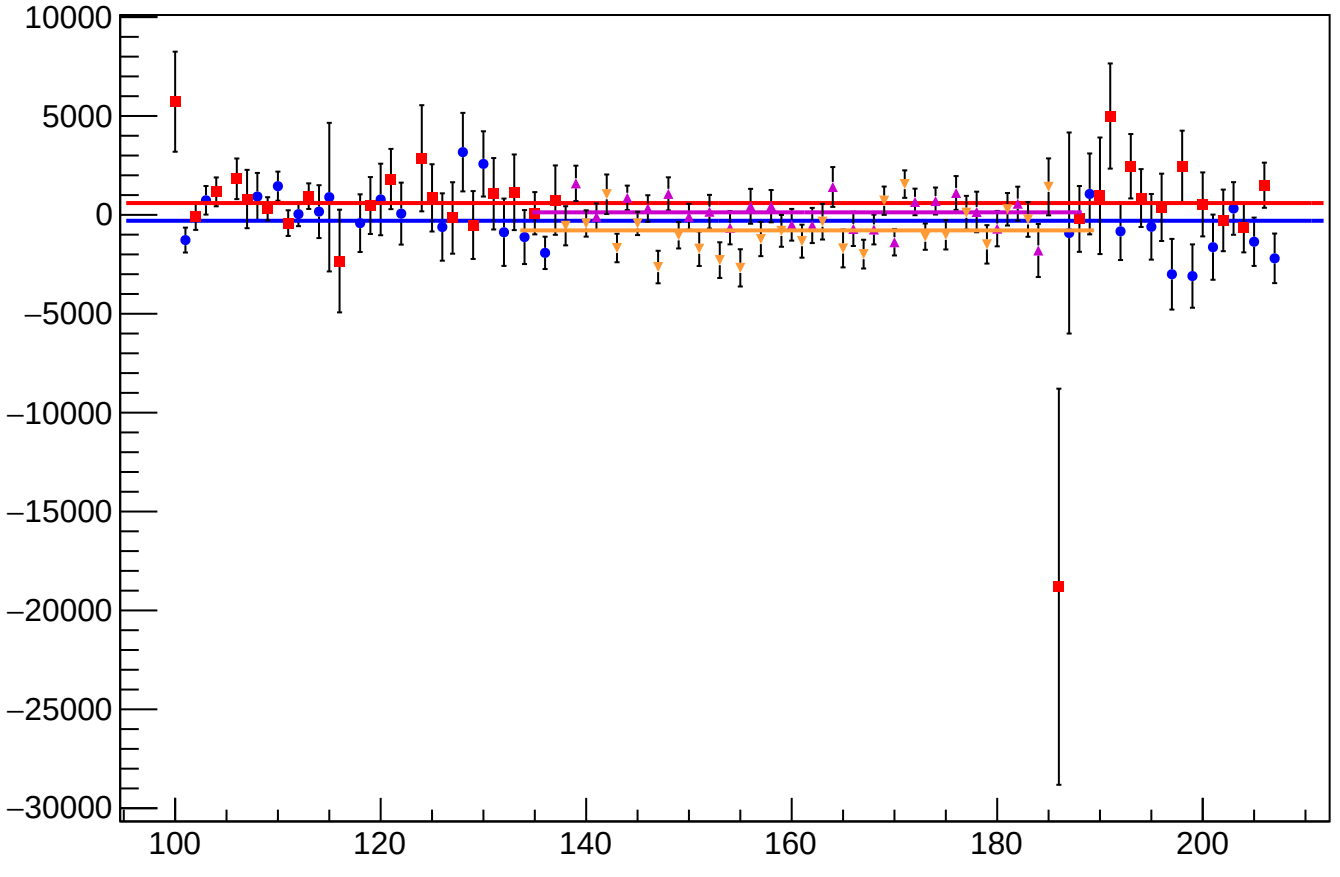
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 103.235+/-0.014 χ^2/NDF: 5864873.7/56

In: 109.057+/-0.014 χ^2/NDF:3709081.1/48

Out: 108.171+/-0.013 χ^2/NDF:5344840.1/55

All: 108.599+/-0.010 χ^2/NDF: 9056026.2/104



Right In: -298.829+/-229.906 χ^2/NDF: 32.5/25

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

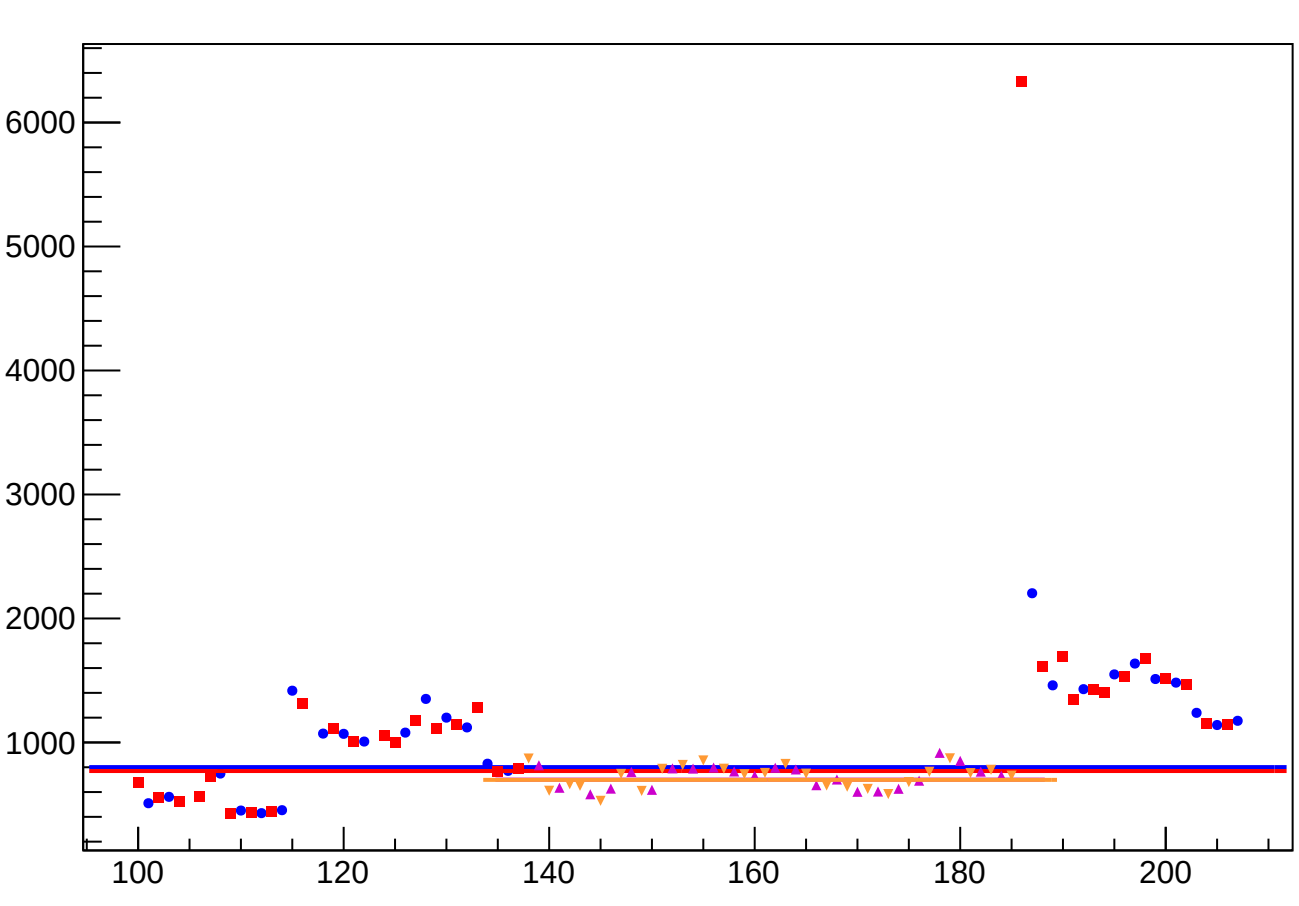
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 177.960+/-157.271 χ^2/NDF: 65.4/56

In: -17.301+/-134.187 χ^2/NDF:57.6/48

Out: -291.751+/-128.736 χ^2/NDF:96.6/55

All: -160.213+/-92.897 χ^2/NDF: 156.3/104



Right In: 801.272+/-0.163 χ^2/NDF: 5450418.5/25

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

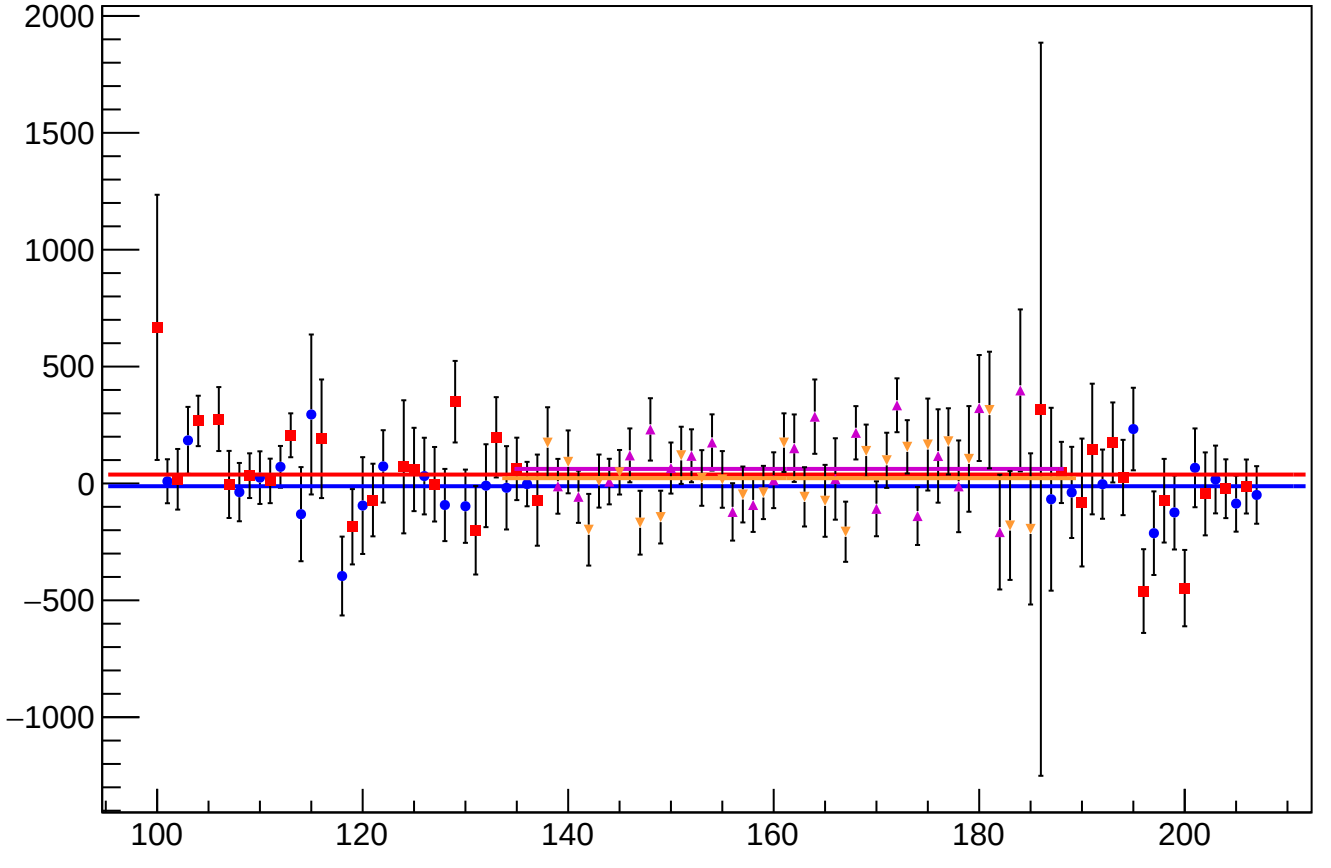
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 784.377+/-0.111 χ^2/NDF: 12673380.9/56

In: 734.551+/-0.095 χ^2/NDF:6290206.0/48

Out: 723.648+/-0.091 χ^2/NDF:8058010.8/55

All: 728.874+/-0.066 χ^2/NDF: 14355092.5/10



Right In: -11.853+/-28.204 χ^2/NDF: 14.9/25

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

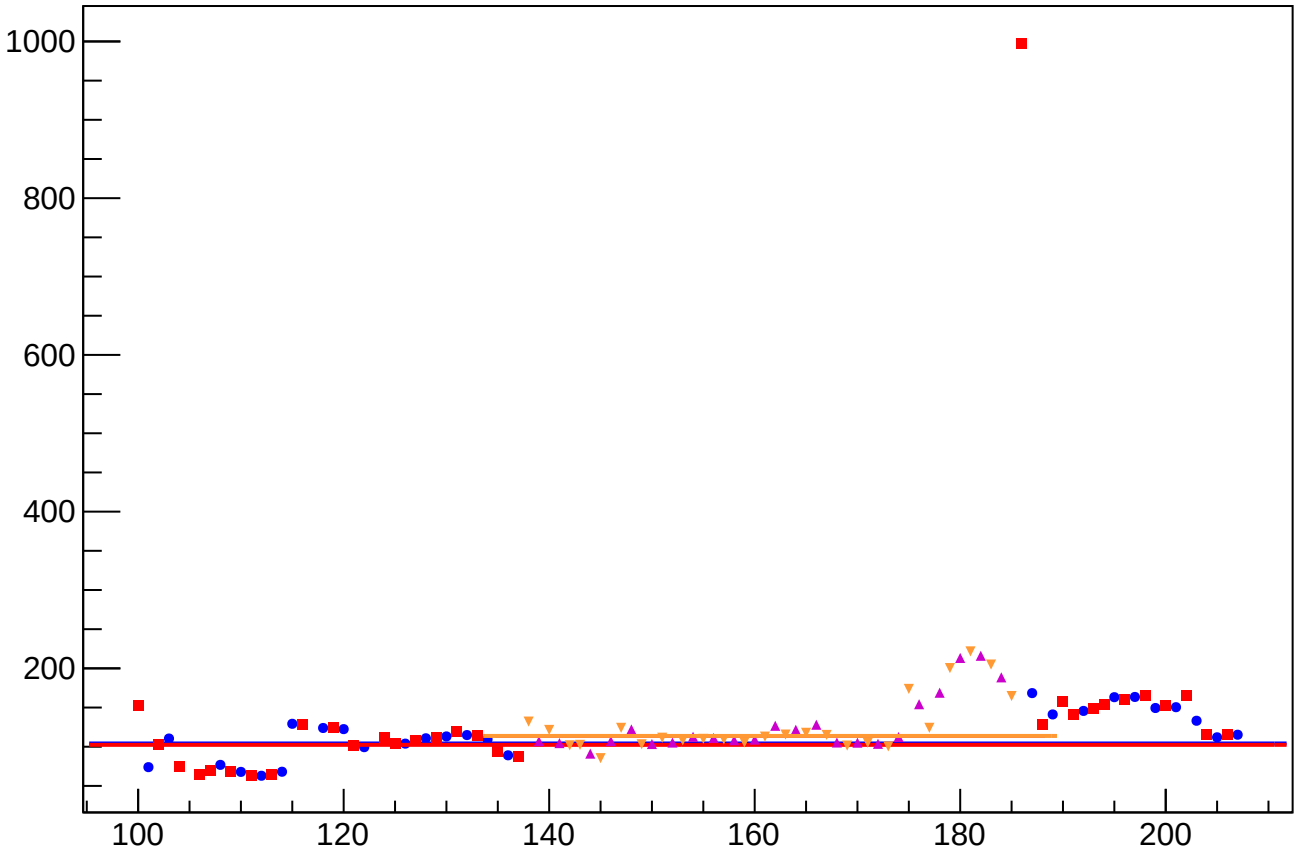
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 14.128+/-19.523 χ^2/NDF: 56.2/56

In: 26.311+/-19.630 χ^2/NDF:45.7/48

Out: 30.169+/-18.982 χ^2/NDF:61.4/55

All: 28.304+/-13.646 χ^2/NDF: 107.2/104



Right In: 104.140+/-0.020 χ^2/NDF: 2275123.0/25

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

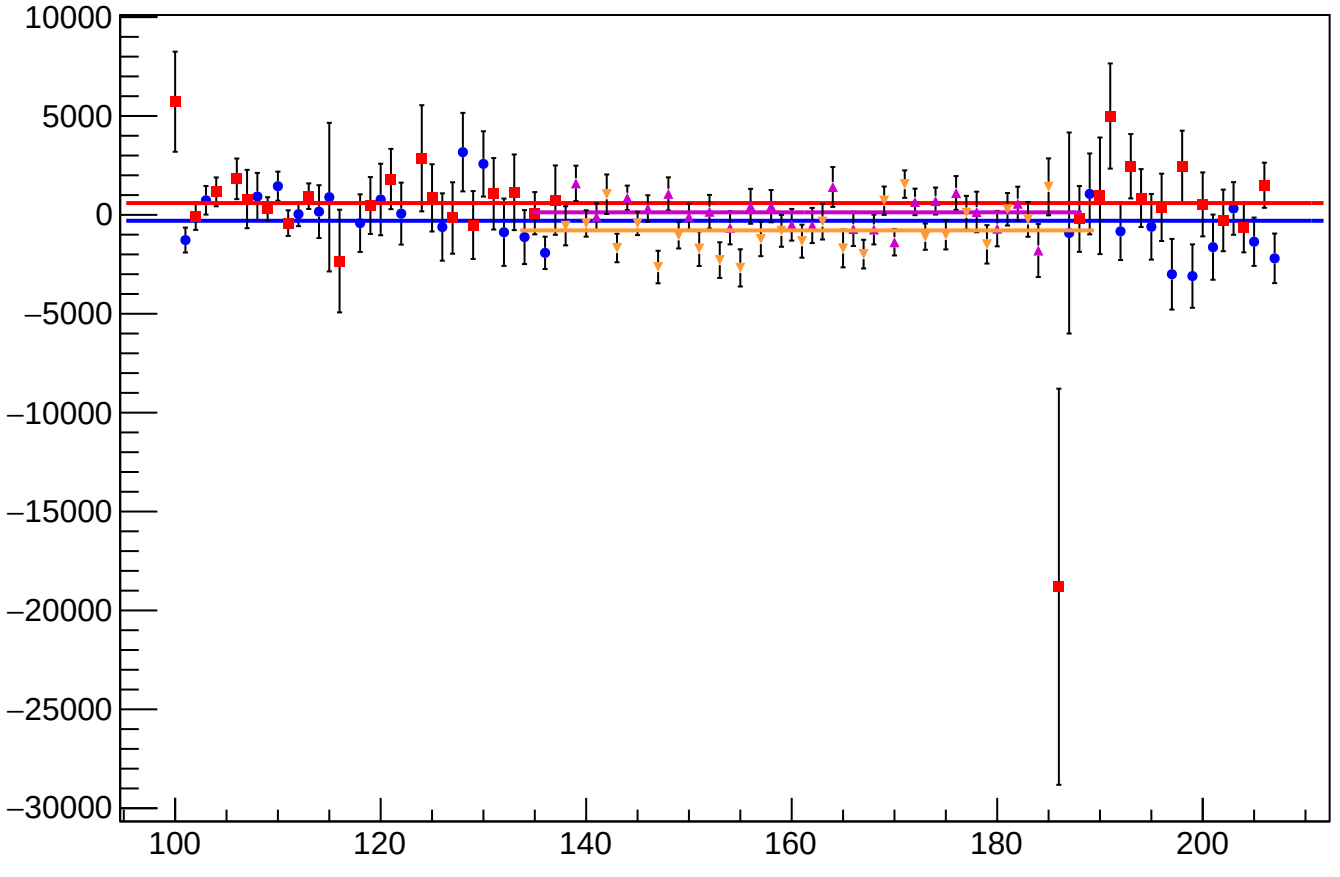
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 103.235+/-0.014 χ^2/NDF: 5864864.5/56

In: 109.057+/-0.014 χ^2/NDF:3709052.2/48

Out: 108.171+/-0.013 χ^2/NDF:5344840.2/55

All: 108.599+/-0.010 χ^2/NDF: 9055997.4/104



Right In: -298.829+/-229.905 χ^2/NDF: 32.5/25

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

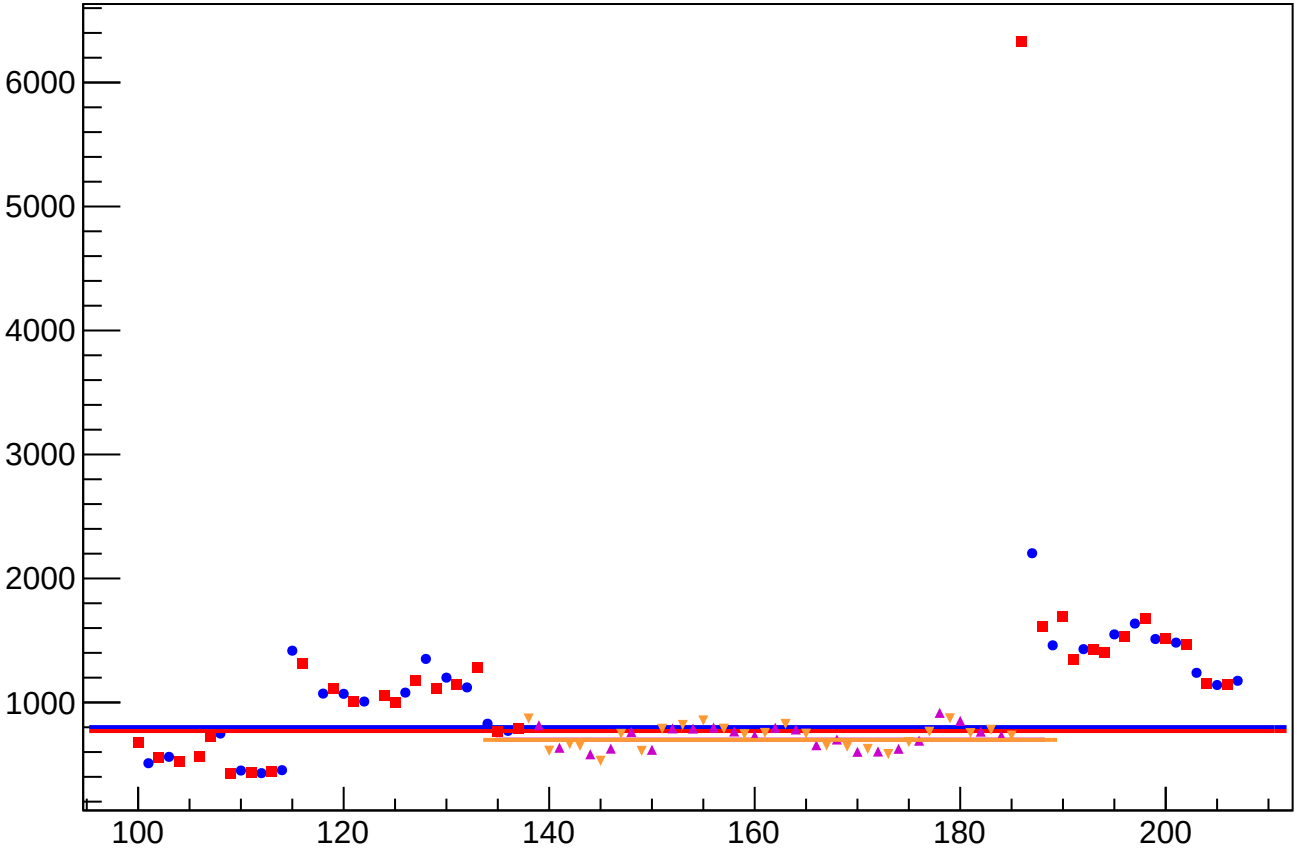
Right: 177.960+/-157.271 χ^2/NDF: 65.4/56

In: -17.302+/-134.187 χ^2/NDF:57.6/48

Out: -291.750+/-128.736 χ^2/NDF:96.6/55

All: -160.213+/-92.897 χ^2/NDF: 156.3/104

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 801.271+/-0.163 χ^2/NDF: 5450418.7/25

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

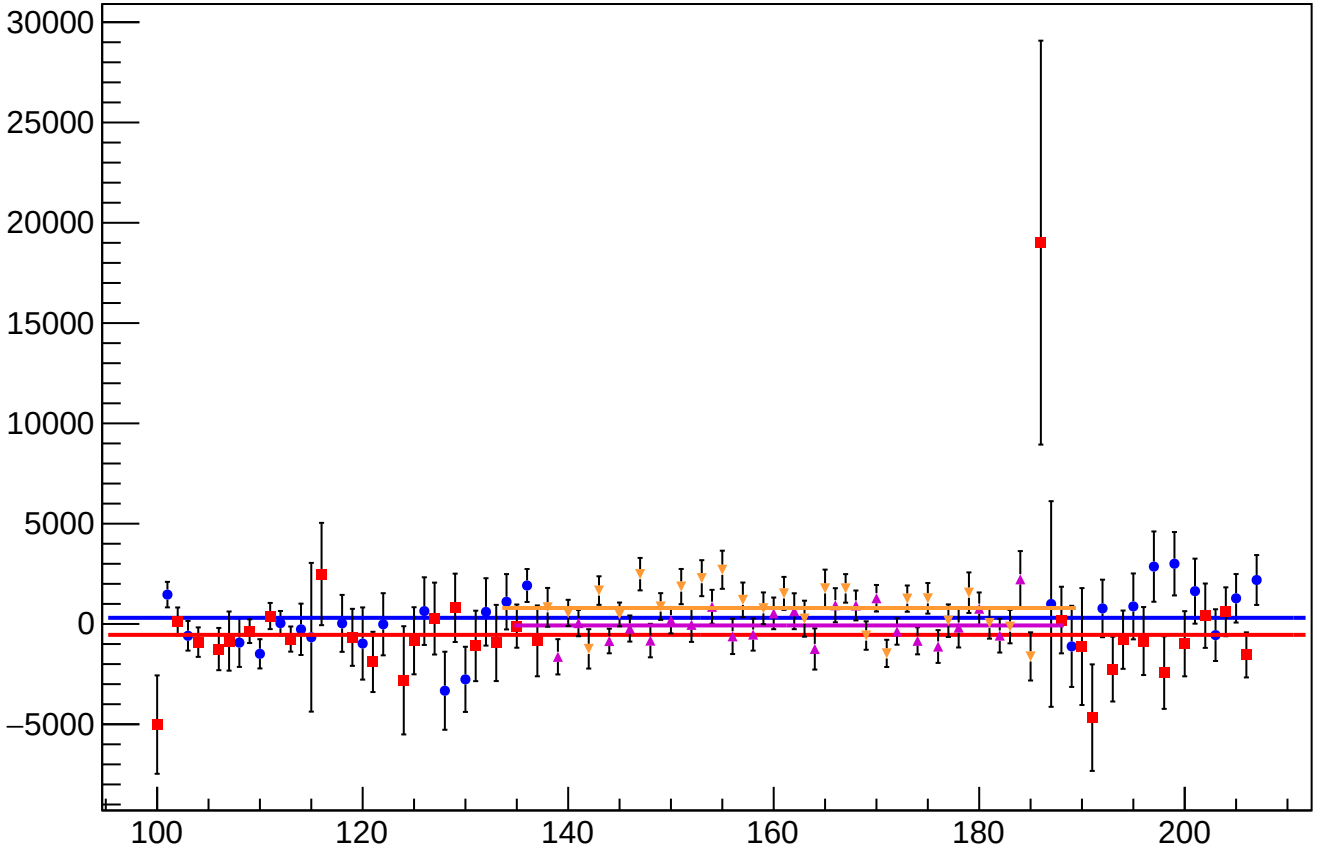
Right: 784.376+/-0.111 χ^2/NDF: 12673376.8/56

In: 734.551+/-0.095 χ^2/NDF:6290200.5/48

Out: 723.648+/-0.091 χ^2/NDF:8058004.9/55

All: 728.873+/-0.066 χ^2/NDF: 14355081.2/10

asym_sam_1548_avg_mean vs Slug, Sign Corrected



Right In: 306.410+/-229.449 χ^2/NDF: 34.1/25

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

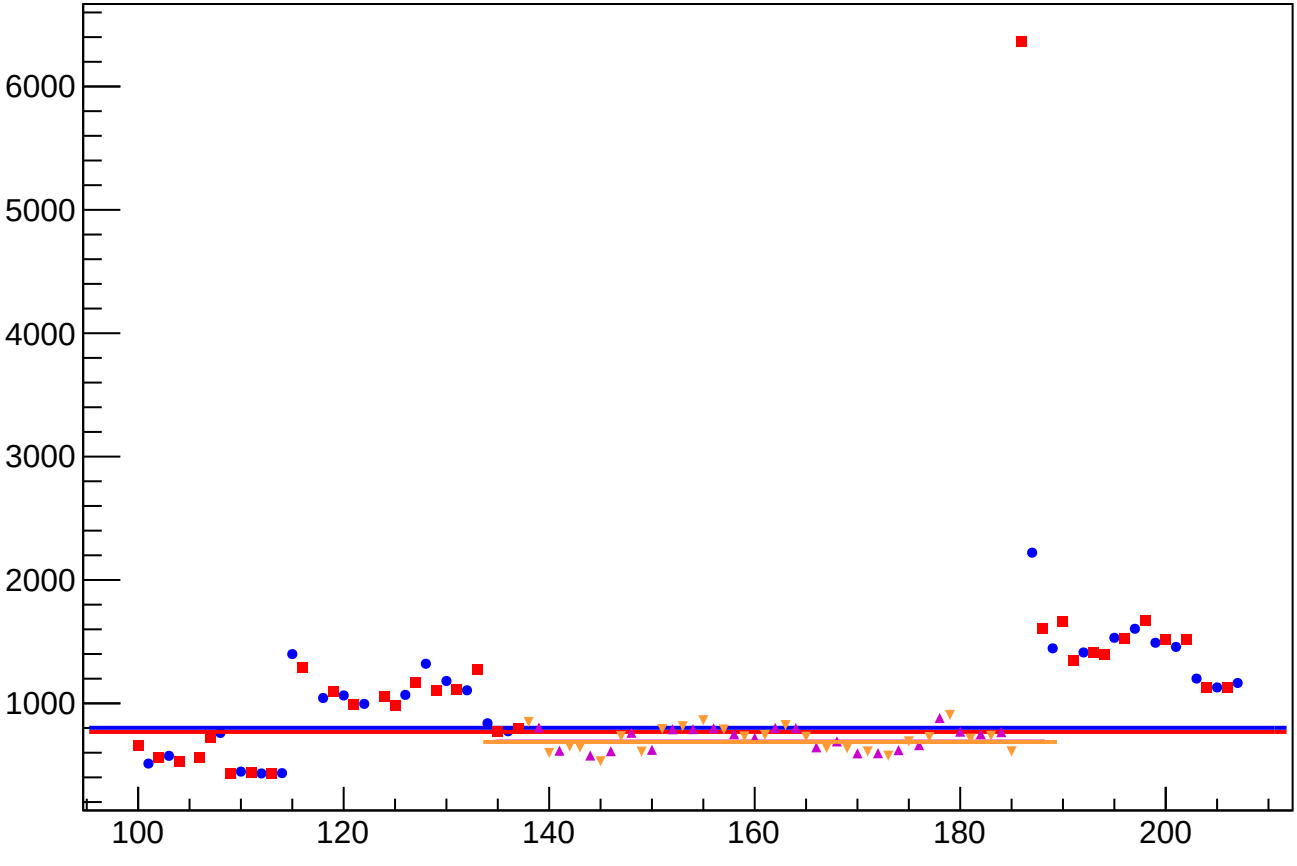
Right: -145.253+/-156.995 χ^2/NDF: 63.6/56

In: 53.796+/-132.817 χ^2/NDF:60.8/48

Out: 327.329+/-127.449 χ^2/NDF:93.7/55

All: 196.201+/-91.959 χ^2/NDF: 156.7/104

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 801.911+/-0.162 χ^2/NDF: 5286613.9/25

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

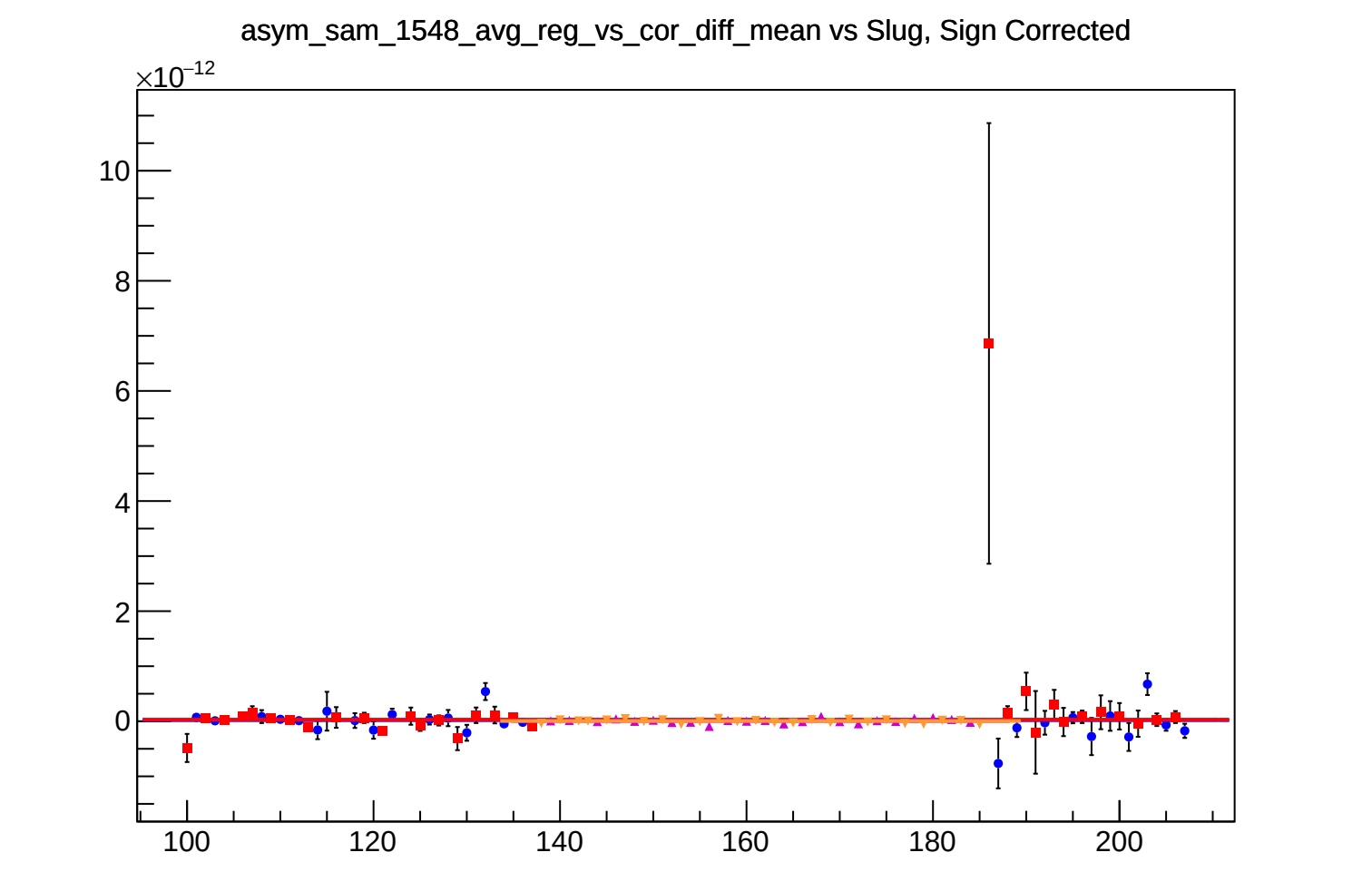
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

Right: 784.108+/-0.111 χ^2/NDF: 12460265.5/56

In: 727.496+/-0.094 χ^2/NDF:6170079.7/48

Out: 715.701+/-0.090 χ^2/NDF:8063787.1/55

All: 721.355+/-0.065 χ^2/NDF: 14242078.9/10



Right In: 0.000+/-0.000 χ^2/NDF: 43.8/25

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

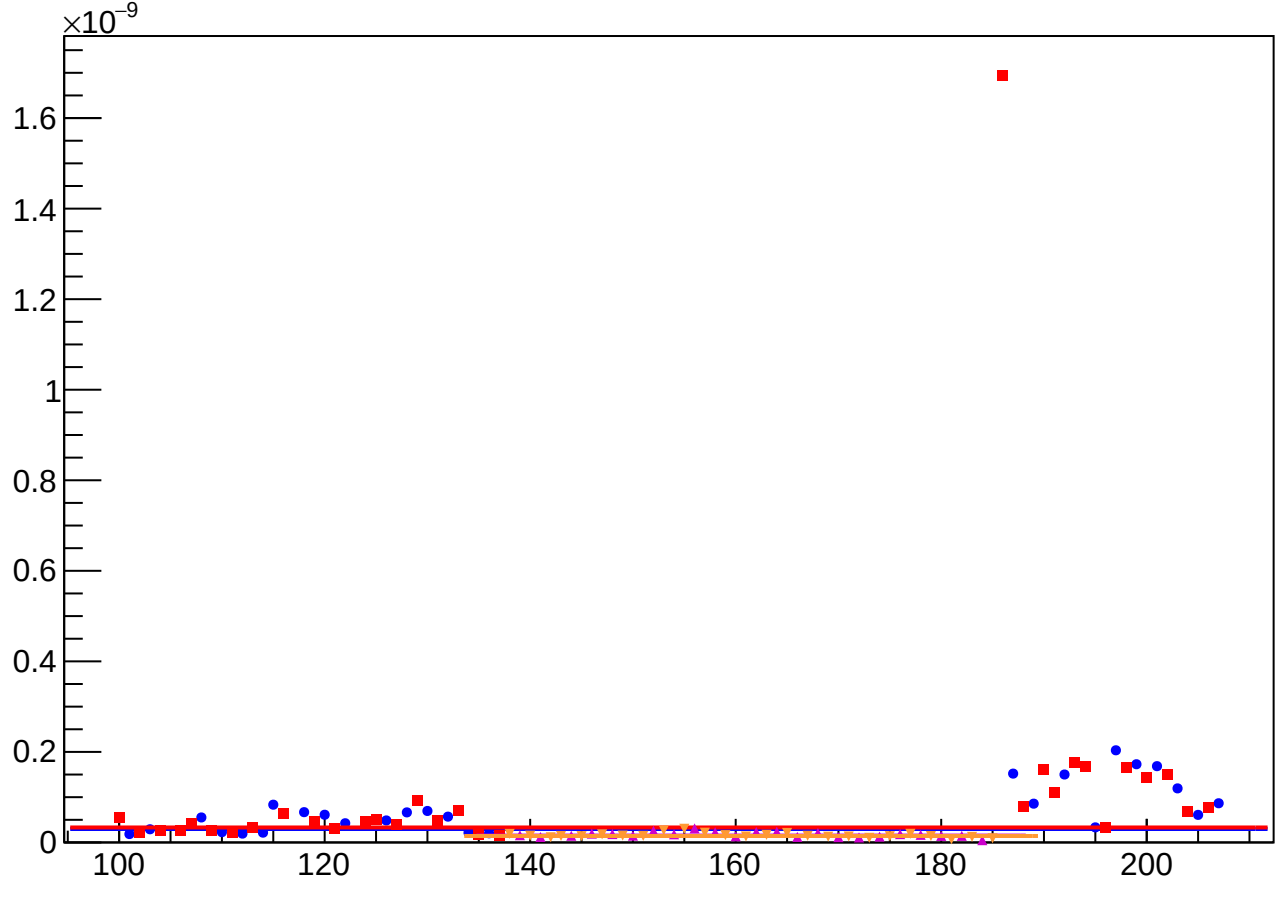
Right: 0.000+/-0.000 χ^2/NDF: 78.3/56

In: 0.000+/-0.000 χ^2/NDF:71.1/48

Out: 0.000+/-0.000 χ^2/NDF:58.5/55

All: 0.000+/-0.000 χ^2/NDF: 129.5/104

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5150950.4/25

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

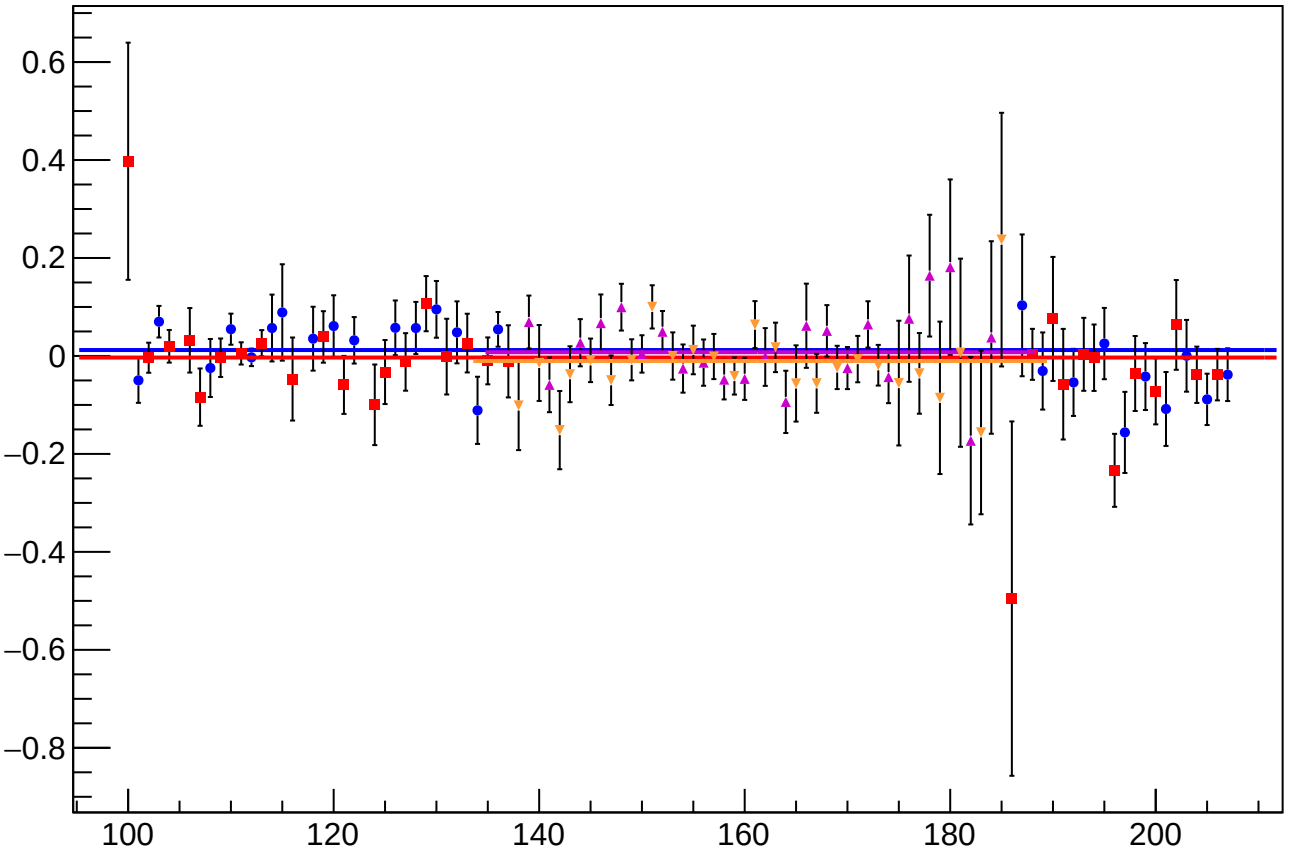
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10288013.0/56

In: 0.000+/-0.000 χ^2/NDF:7962826.4/48

Out: 0.000+/-0.000 χ^2/NDF:8675913.9/55

All: 0.000+/-0.000 χ^2/NDF: 16664234.9/104



Right In: 0.012+/-0.009 χ^2/NDF: 31.8/25

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

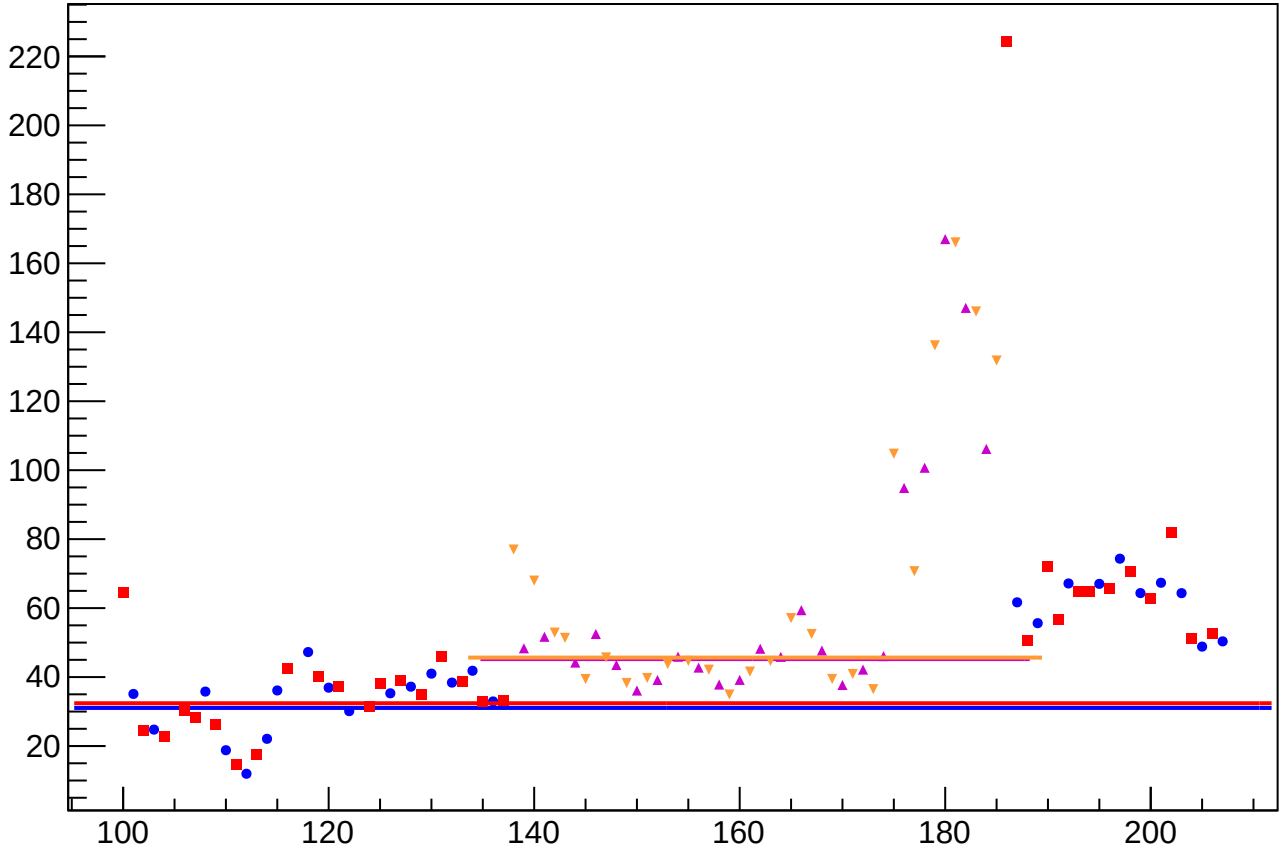
Right: 0.004+/-0.007 χ^2/NDF: 62.0/56

In: 0.010+/-0.007 χ^2/NDF:55.2/48

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 104.9/104

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.049+/-0.007 χ^2/NDF: 6757838.3/25

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

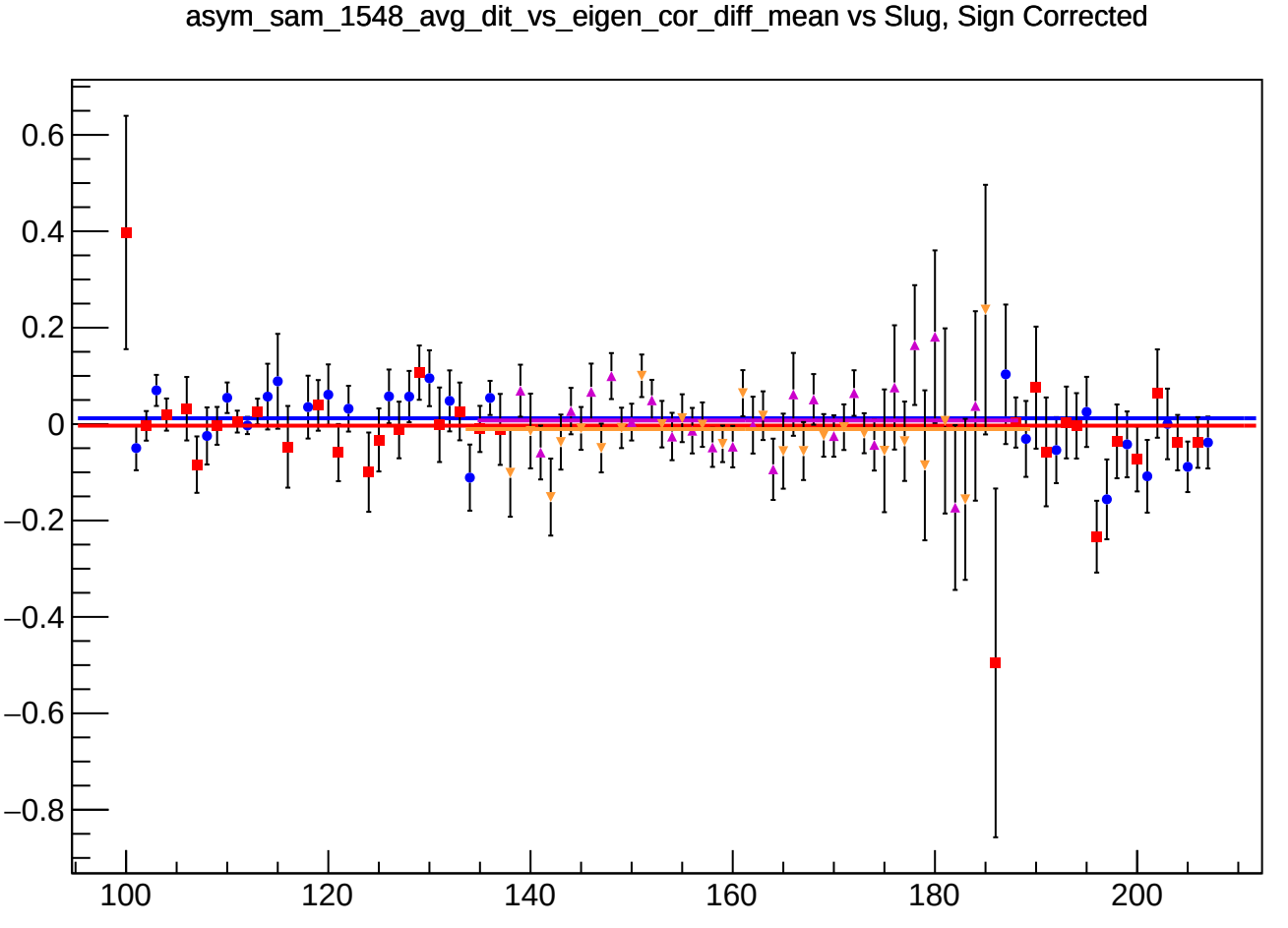
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 31.736+/-0.005 χ^2/NDF: 13588280.8/56

In: 36.759+/-0.005 χ^2/NDF:11589453.0/48

Out: 37.757+/-0.005 χ^2/NDF:12468662.9/55

All: 37.264+/-0.004 χ^2/NDF: 24077297.4/104



Right In: 0.012+/-0.009 χ^2/NDF: 31.8/25

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

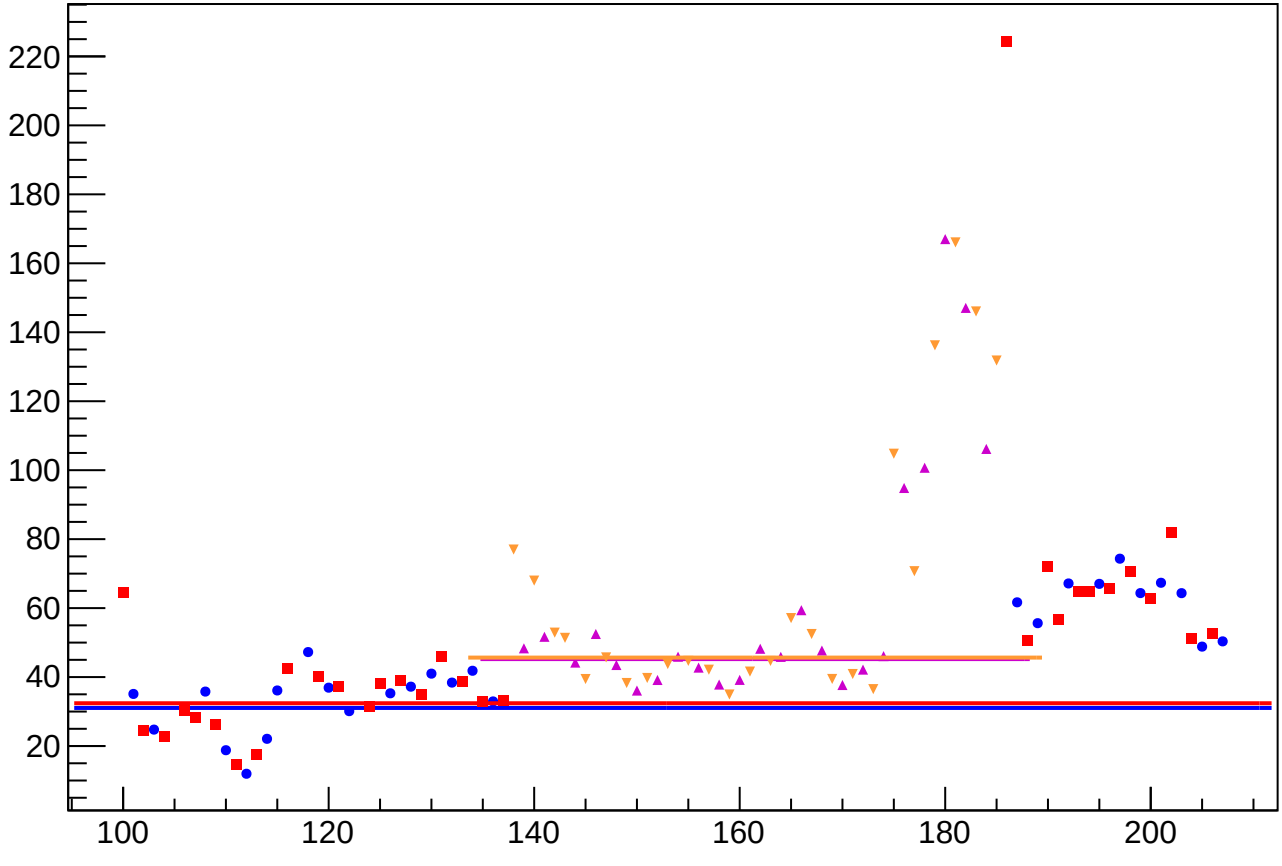
Right: 0.004+/-0.007 χ^2/NDF: 62.0/56

In: 0.010+/-0.007 χ^2/NDF:55.2/48

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 104.9/104

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.049+/-0.007 χ^2/NDF: 6757838.3/25

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

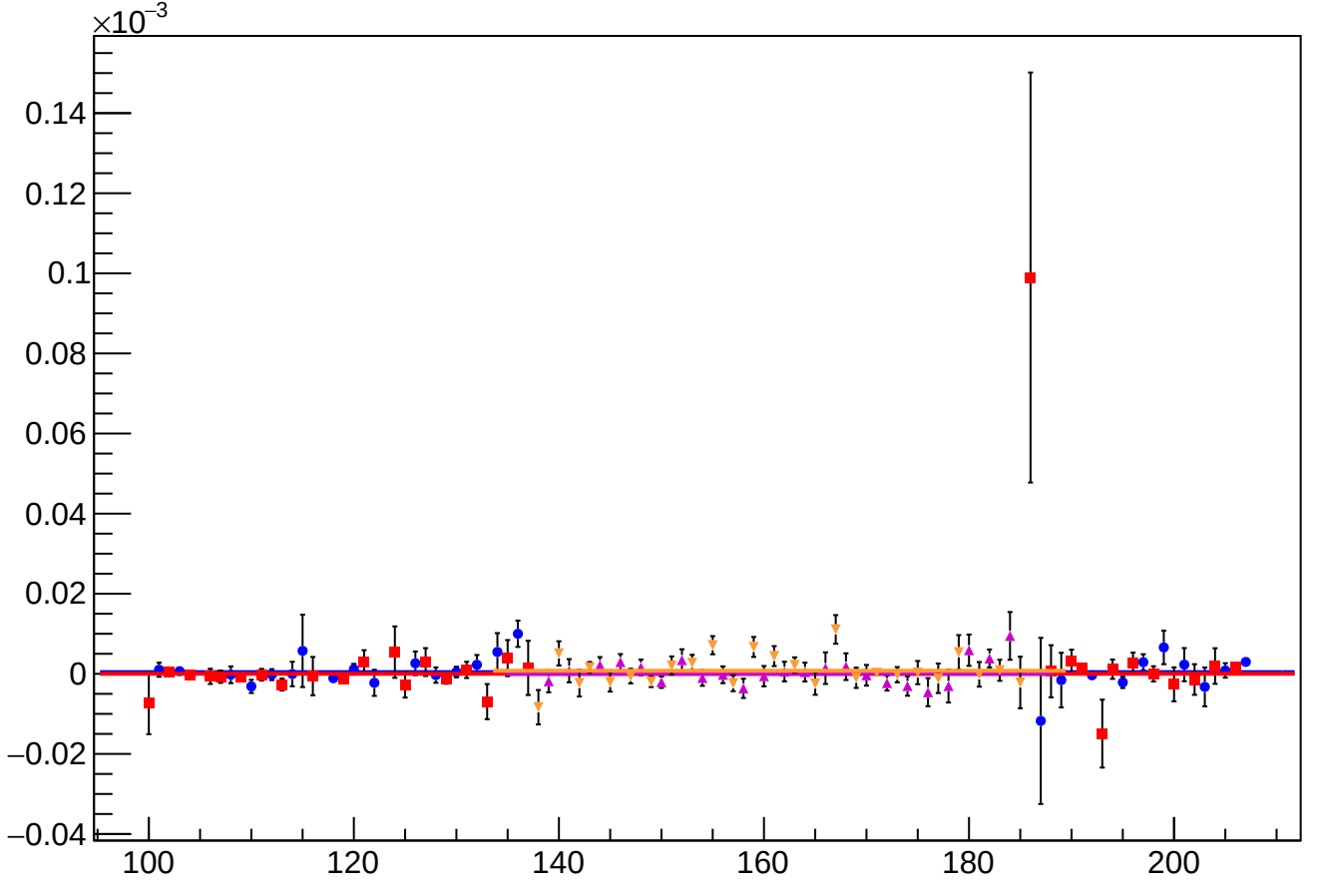
Right: 31.736+/-0.005 χ^2/NDF: 13588280.8/56

In: 36.759+/-0.005 χ^2/NDF:11589453.0/48

Out: 37.757+/-0.005 χ^2/NDF:12468662.9/55

All: 37.264+/-0.004 χ^2/NDF: 24077297.4/104

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 32.5/25

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

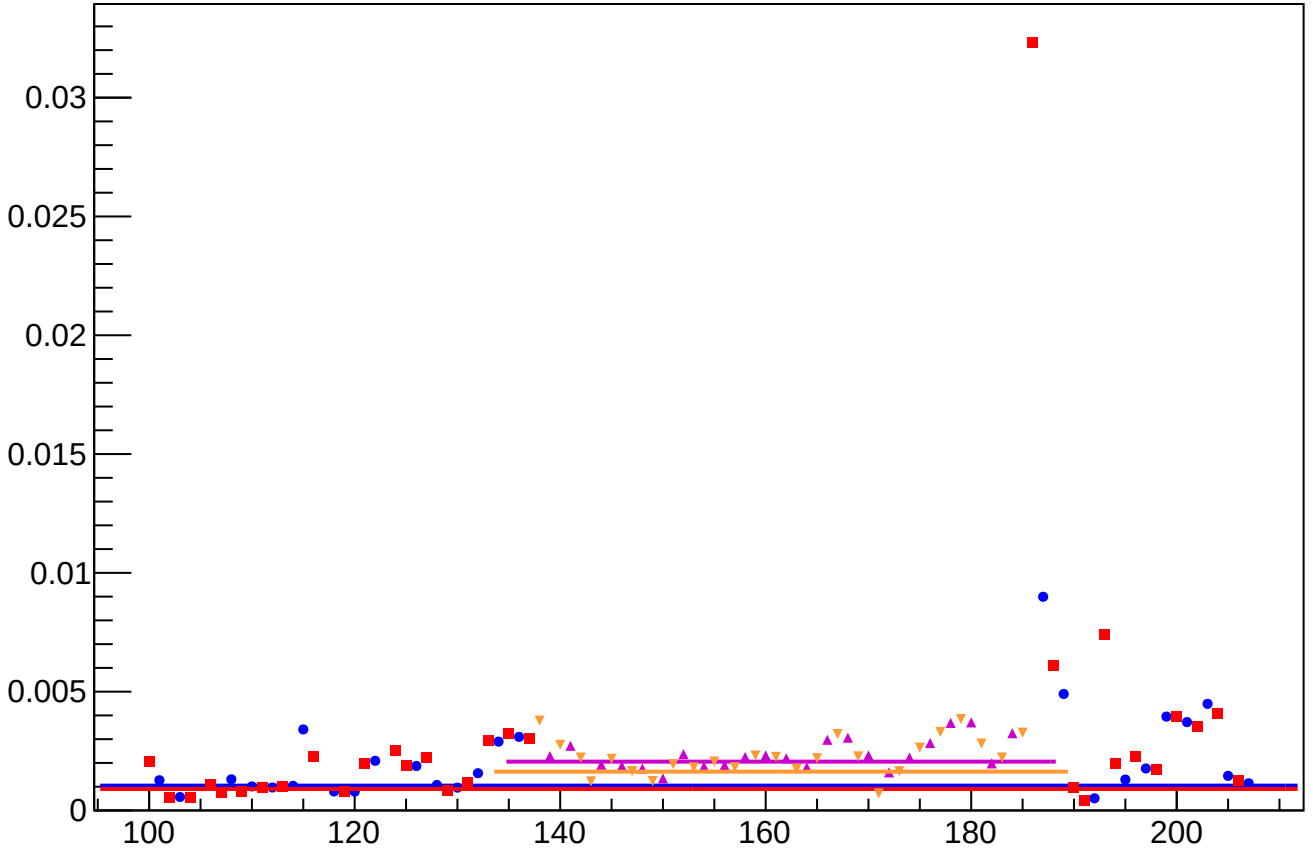
Right: 0.000+/-0.000 χ^2/NDF: 62.4/56

In: 0.000+/-0.000 χ^2/NDF:57.5/48

Out: 0.000+/-0.000 χ^2/NDF:77.4/55

All: 0.000+/-0.000 χ^2/NDF: 134.9/104

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7451012.0/25

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

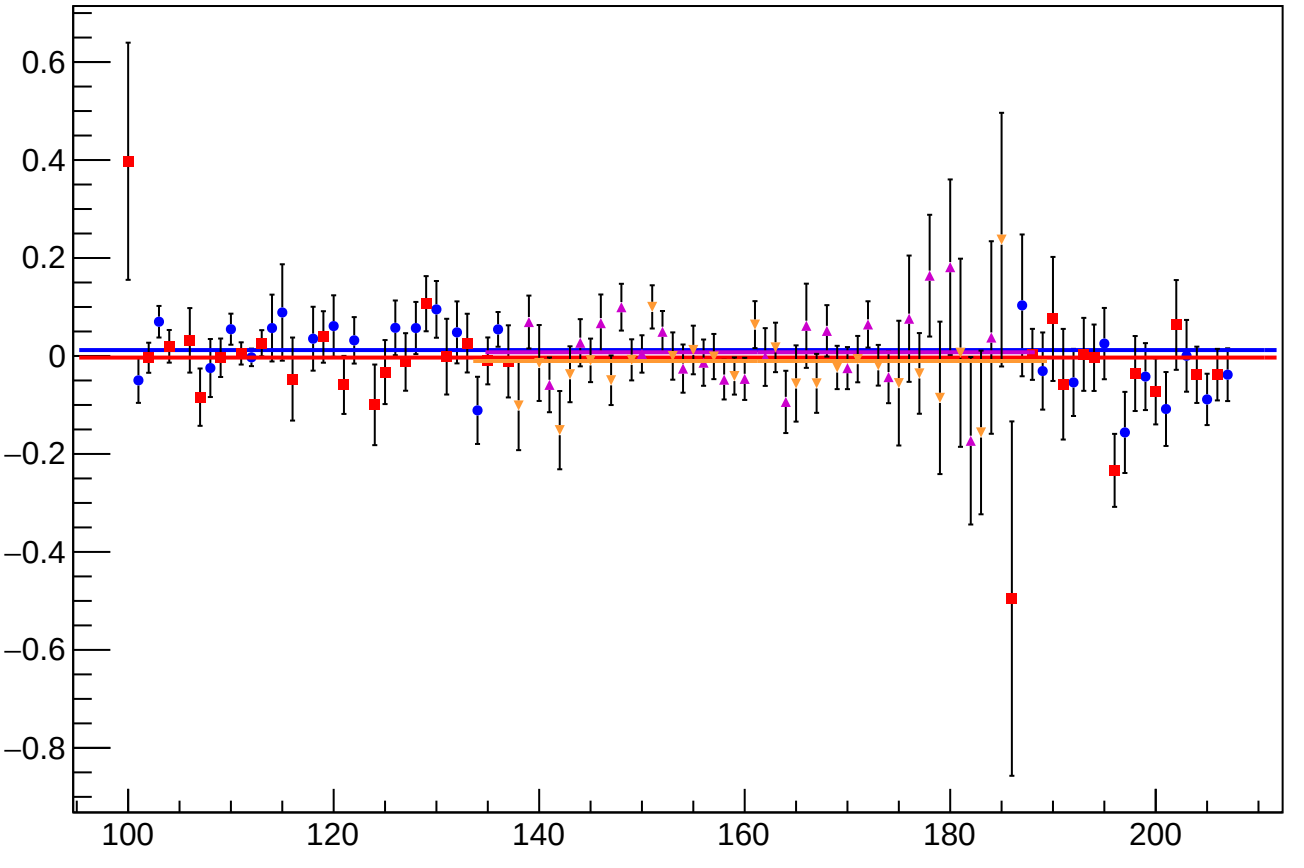
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 19548050.7/56

In: 0.001+/-0.000 χ^2/NDF:15174144.1/48

Out: 0.001+/-0.000 χ^2/NDF:22572940.9/55

All: 0.001+/-0.000 χ^2/NDF: 38383375.7/104



Right In: 0.012+/-0.009 χ^2/NDF: 31.8/25

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

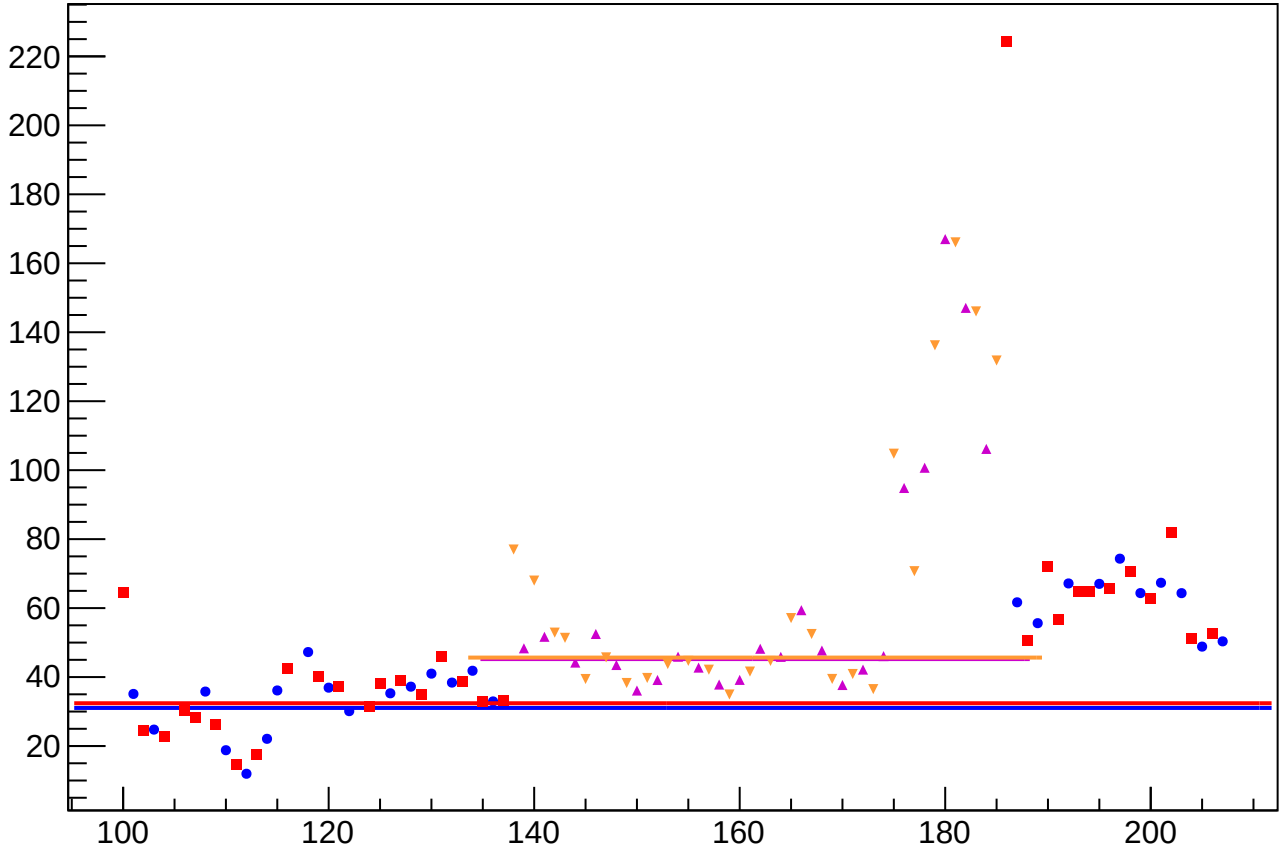
Right: 0.004+/-0.007 χ^2/NDF: 62.0/56

In: 0.010+/-0.007 χ^2/NDF:55.2/48

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 104.9/104

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.048+/-0.007 χ^2/NDF: 6758094.3/25

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

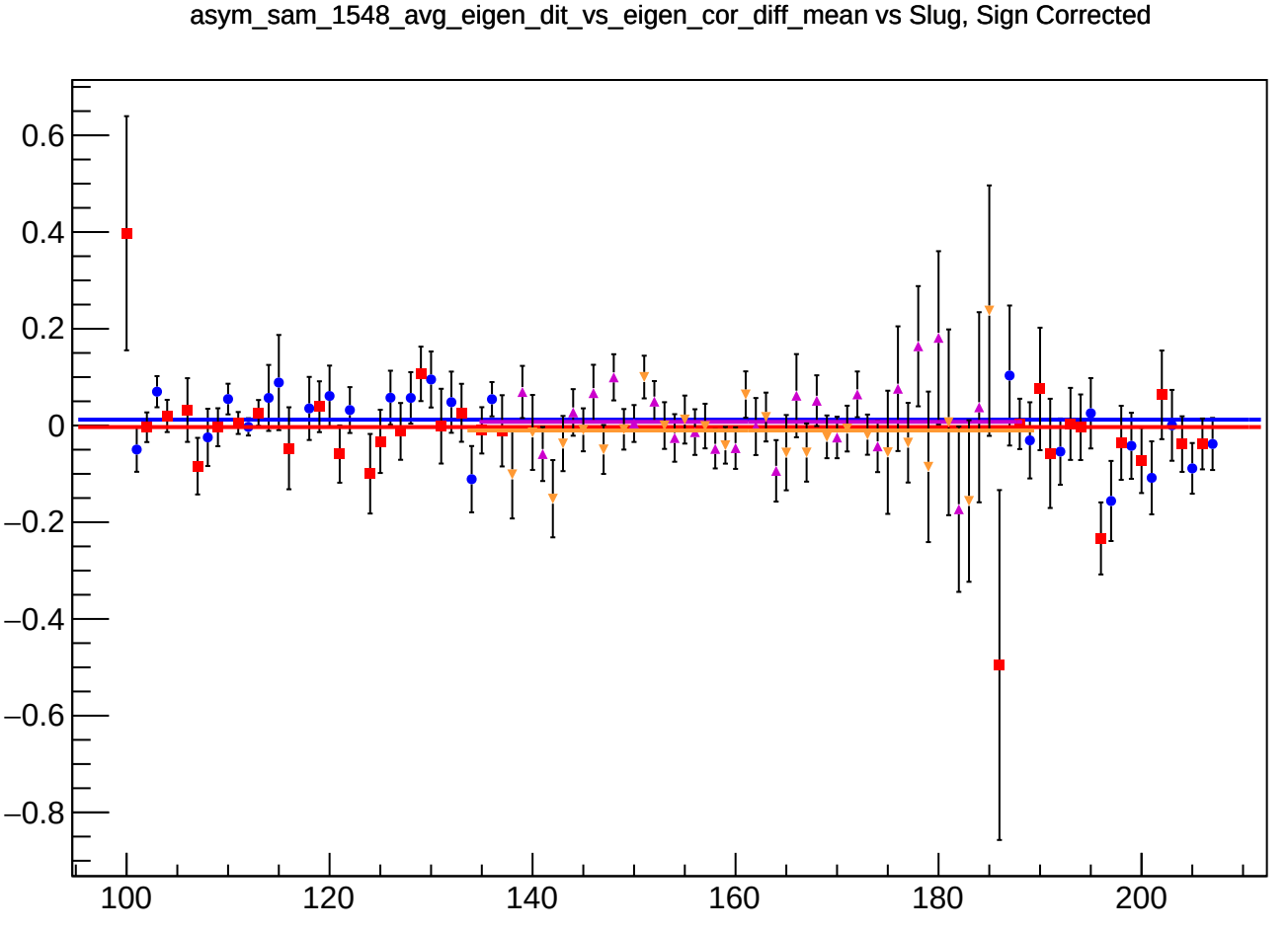
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 31.735+/-0.005 χ^2/NDF: 13588790.2/56

In: 36.759+/-0.005 χ^2/NDF:11589898.5/48

Out: 37.757+/-0.005 χ^2/NDF:12469039.8/55

All: 37.264+/-0.004 χ^2/NDF: 24078125.0/104



Right In: 0.012+/-0.009 χ^2/NDF: 31.8/25

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

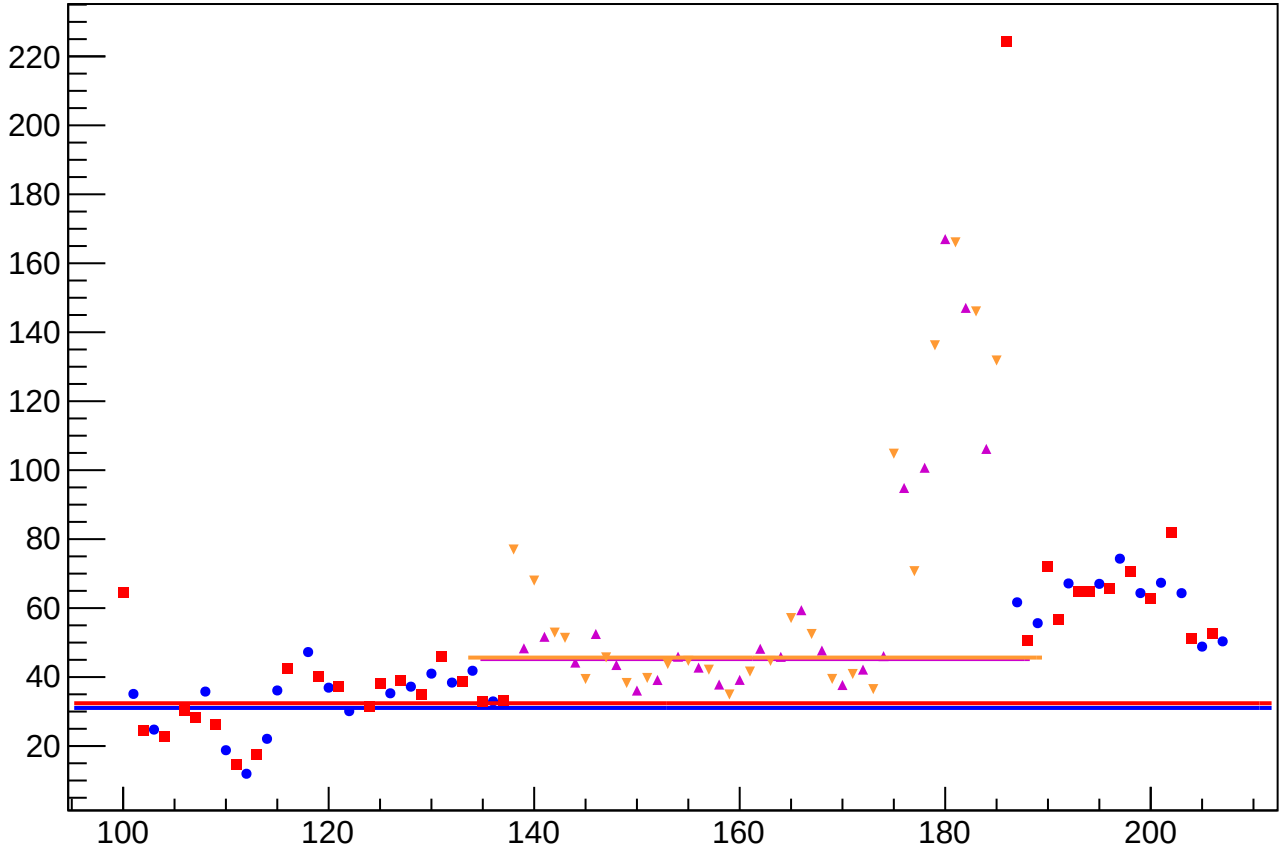
Right: 0.004+/-0.007 χ^2/NDF: 62.0/56

In: 0.010+/-0.007 χ^2/NDF:55.2/48

Out: -0.006+/-0.007 χ^2/NDF:47.2/55

All: 0.002+/-0.005 χ^2/NDF: 104.9/104

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.048+/-0.007 χ^2/NDF: 6758094.3/25

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

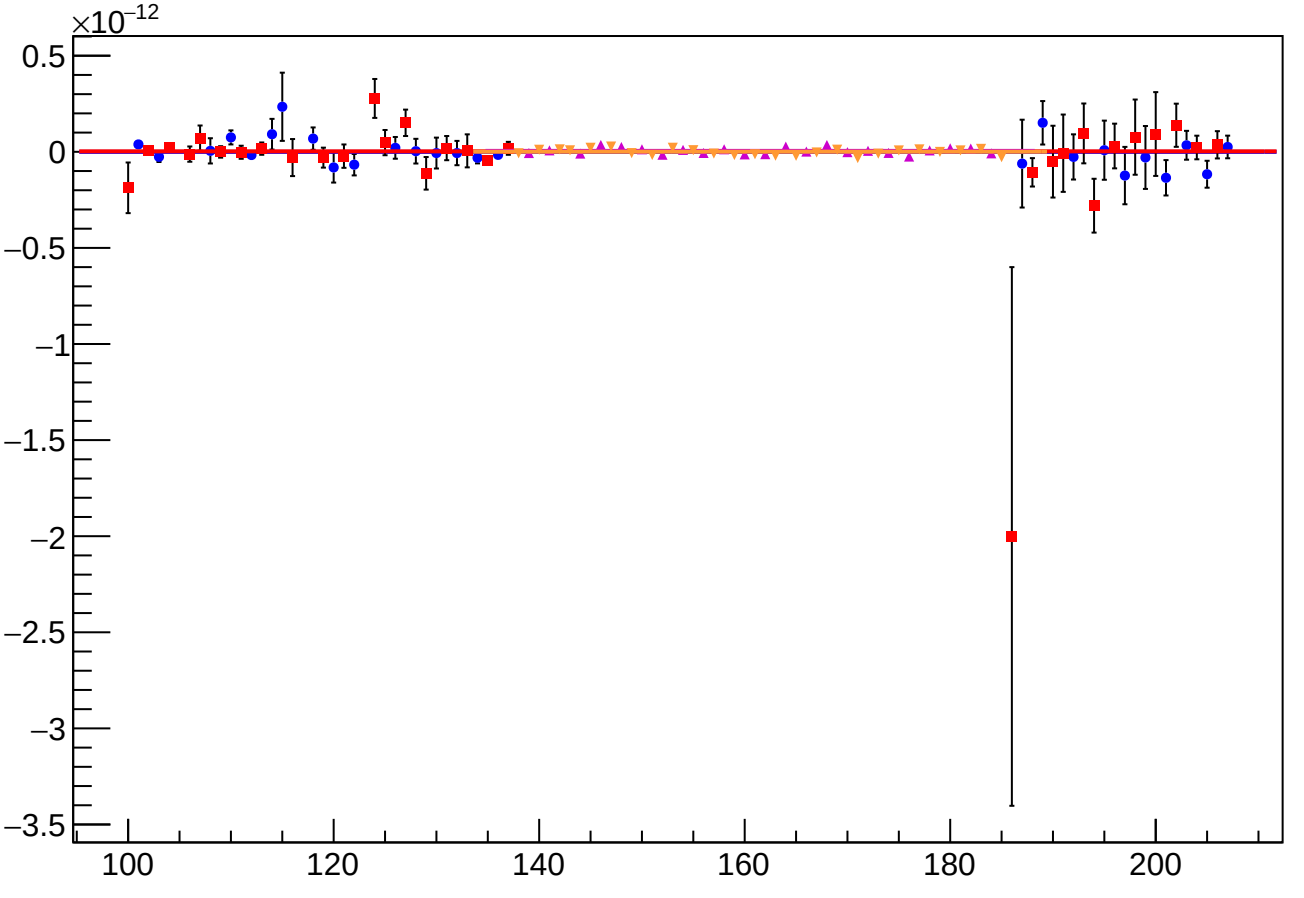
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 31.735+/-0.005 χ^2/NDF: 13588790.2/56

In: 36.759+/-0.005 χ^2/NDF:11589898.5/48

Out: 37.757+/-0.005 χ^2/NDF:12469039.8/55

All: 37.264+/-0.004 χ^2/NDF: 24078125.0/104



Right In: -0.000+/-0.000 χ^2/NDF: 26.7/25

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

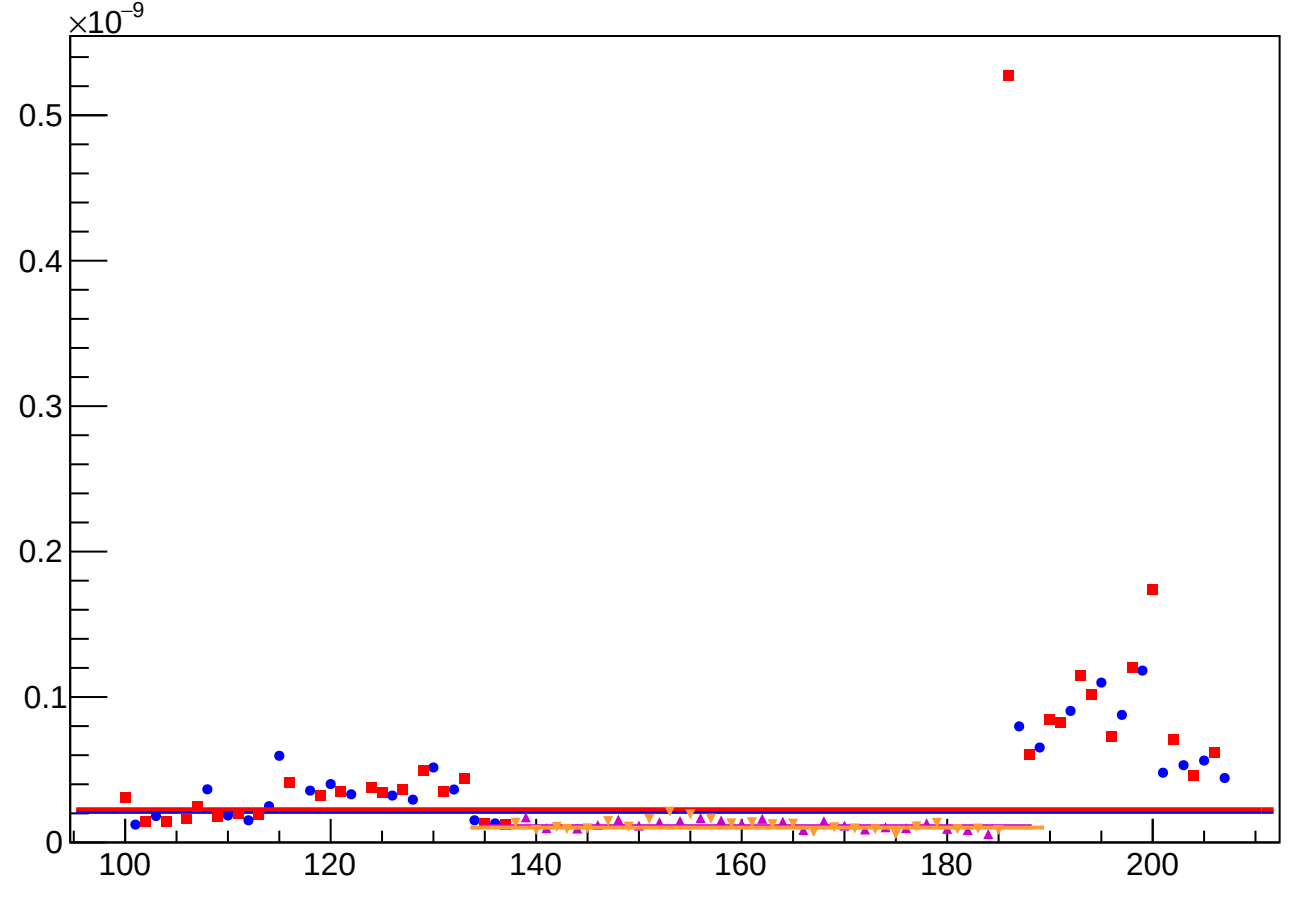
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 61.2/56

In: 0.000+/-0.000 χ^2/NDF:50.7/48

Out: 0.000+/-0.000 χ^2/NDF:59.8/55

All: 0.000+/-0.000 χ^2/NDF: 111.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 6407114.0/25

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

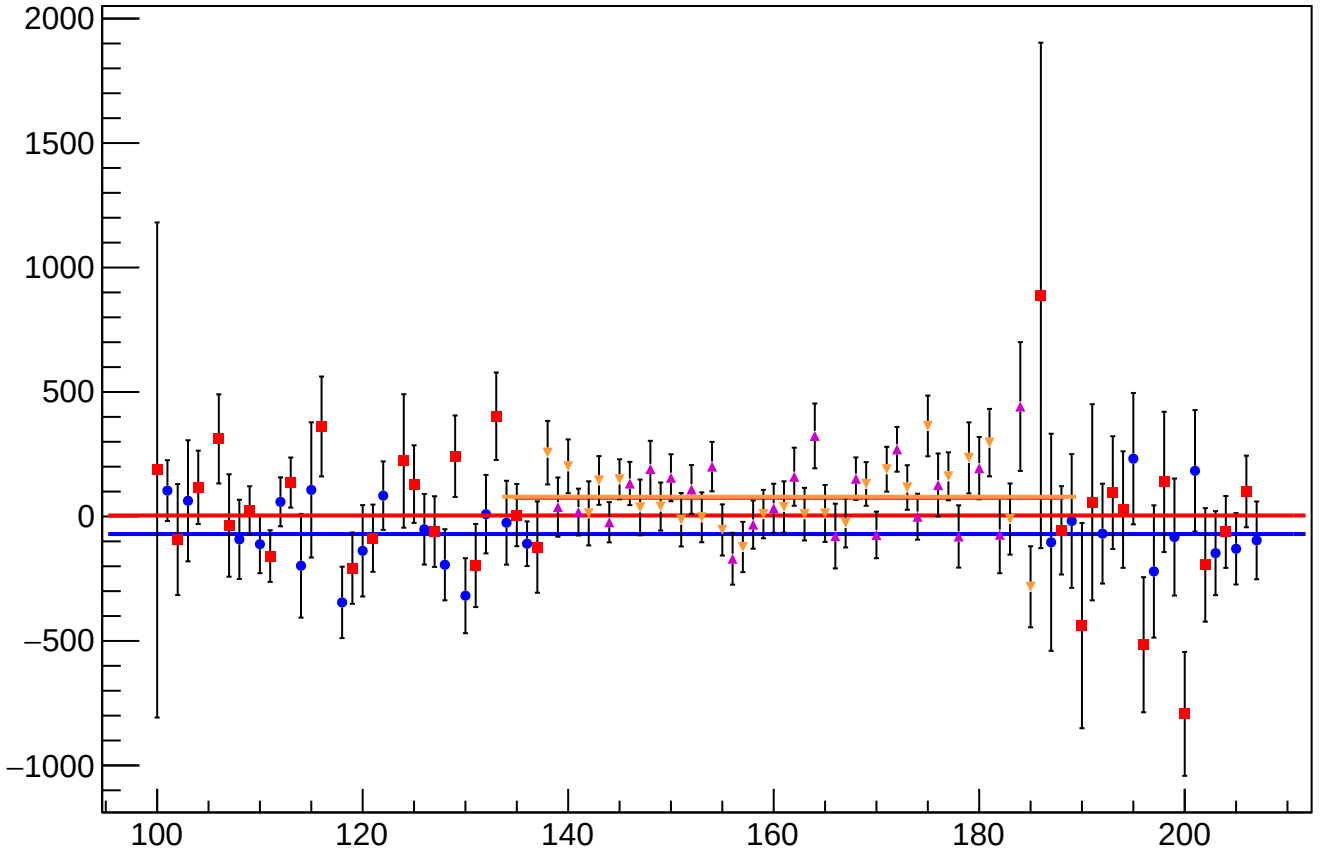
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13996001.8/56

In: 0.000+/-0.000 χ^2/NDF:10390226.5/48

Out: 0.000+/-0.000 χ^2/NDF:13525854.9/55

All: 0.000+/-0.000 χ^2/NDF: 24027627.5/104



Right In: -70.591+/-30.966 χ^2/NDF: 17.2/25

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

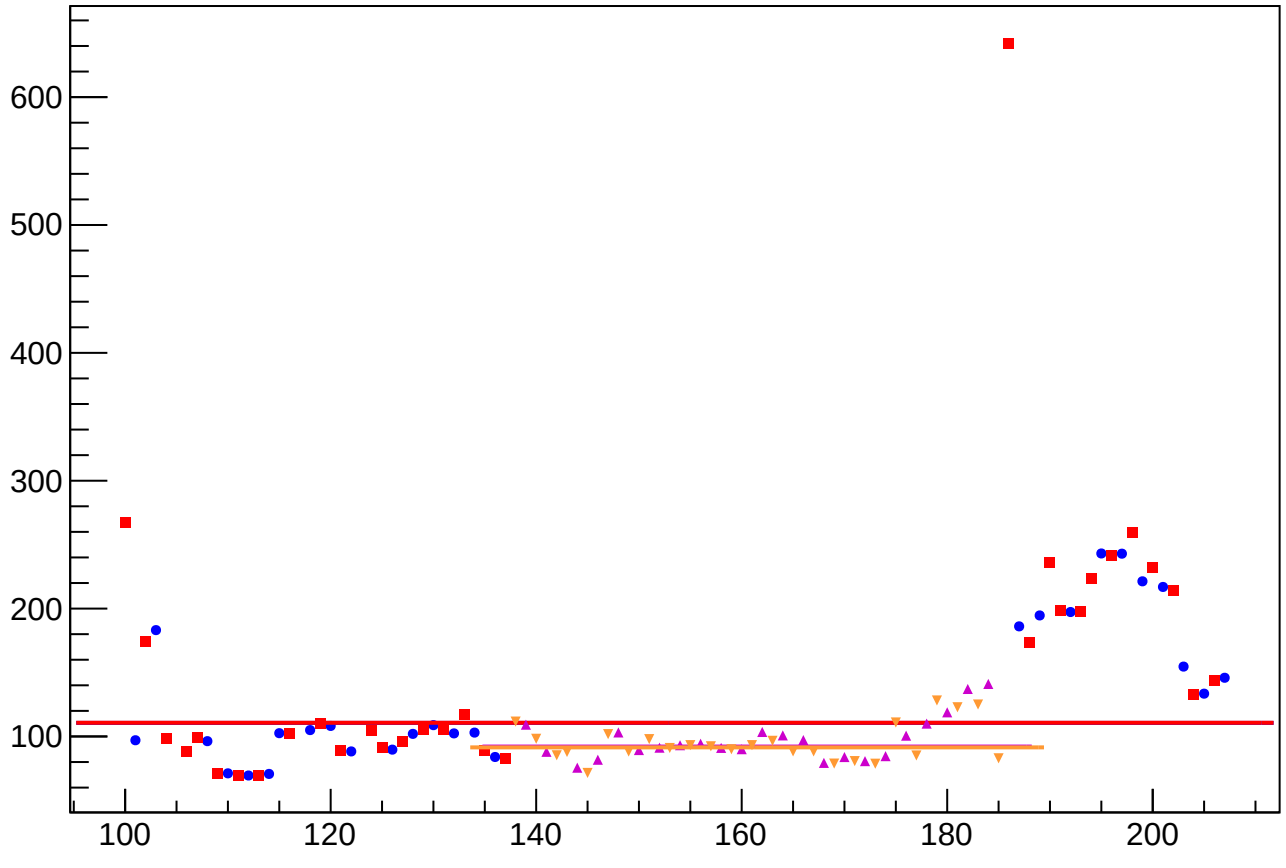
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -32.392+/-21.635 χ^2/NDF: 62.6/56

In: 26.678+/-17.846 χ^2/NDF:64.6/48

Out: 54.517+/-17.305 χ^2/NDF:78.5/55

All: 41.025+/-12.423 χ^2/NDF: 144.4/104



Right In: 110.597+/-0.022 χ^2/NDF: 3908420.5/25

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

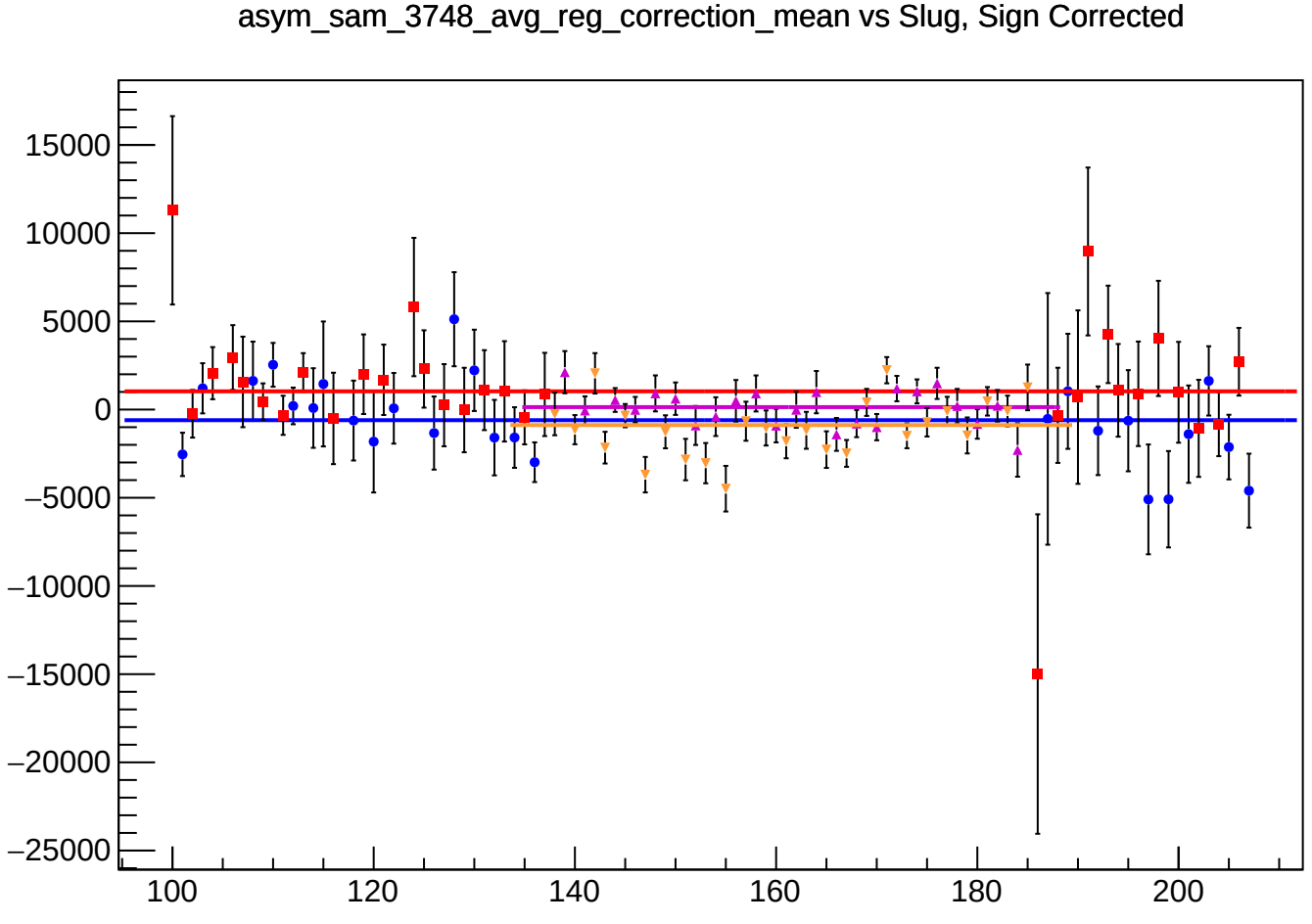
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 110.653+/-0.015 χ^2/NDF: 9293851.7/56

In: 98.244+/-0.013 χ^2/NDF:5084570.3/48

Out: 97.764+/-0.012 χ^2/NDF:6681404.9/55

All: 97.996+/-0.009 χ^2/NDF: 11766718.9/104



Right In: -602.525+/-371.981 χ^2/NDF: 34.9/25

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

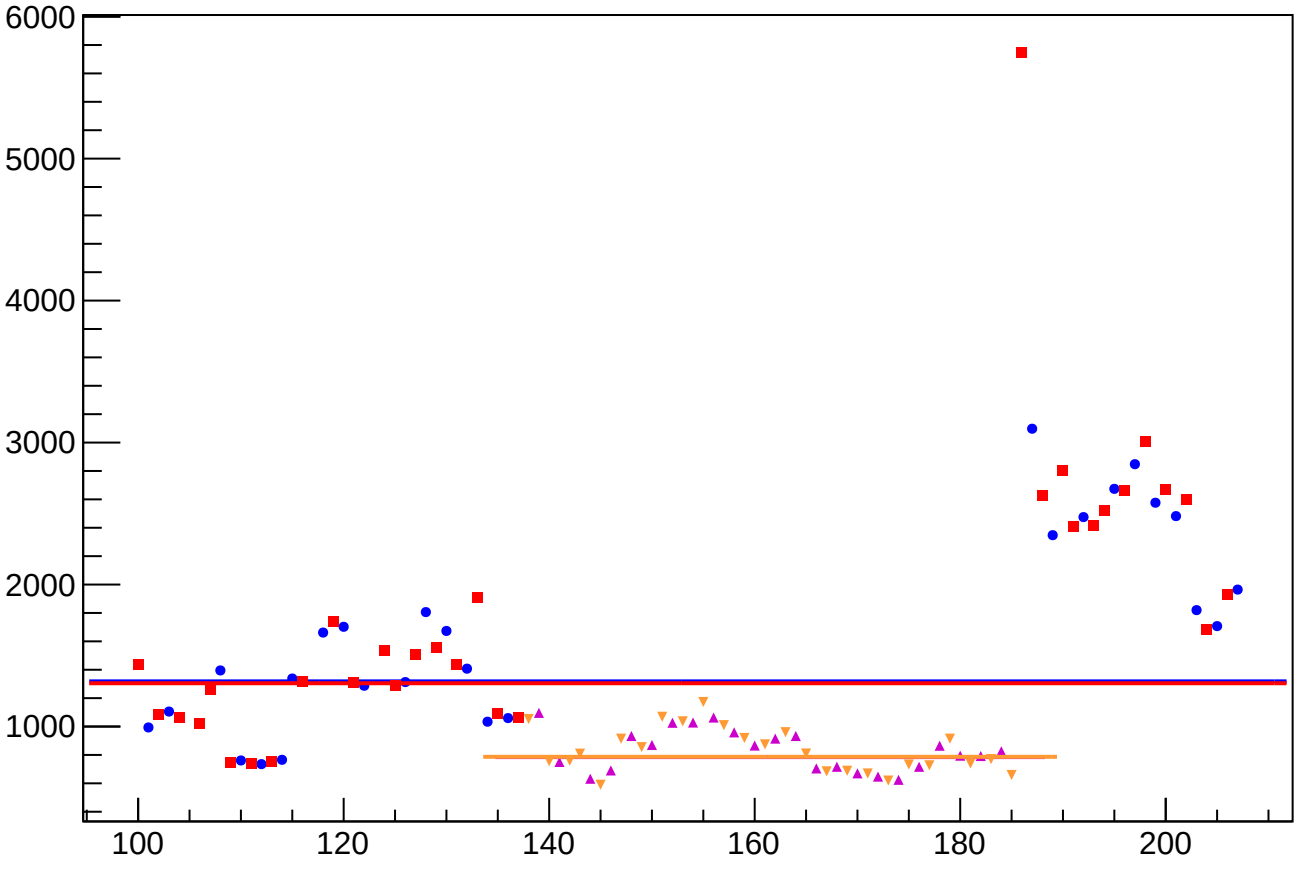
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 245.468+/-258.206 χ^2/NDF: 68.3/56

In: -10.266+/-166.772 χ^2/NDF:62.2/48

Out: -486.273+/-162.436 χ^2/NDF:113.8/55

All: -254.537+/-116.362 χ^2/NDF: 180.2/104



Right In: 1318.106+/-0.263 χ^2/NDF: 4566323.5/25

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

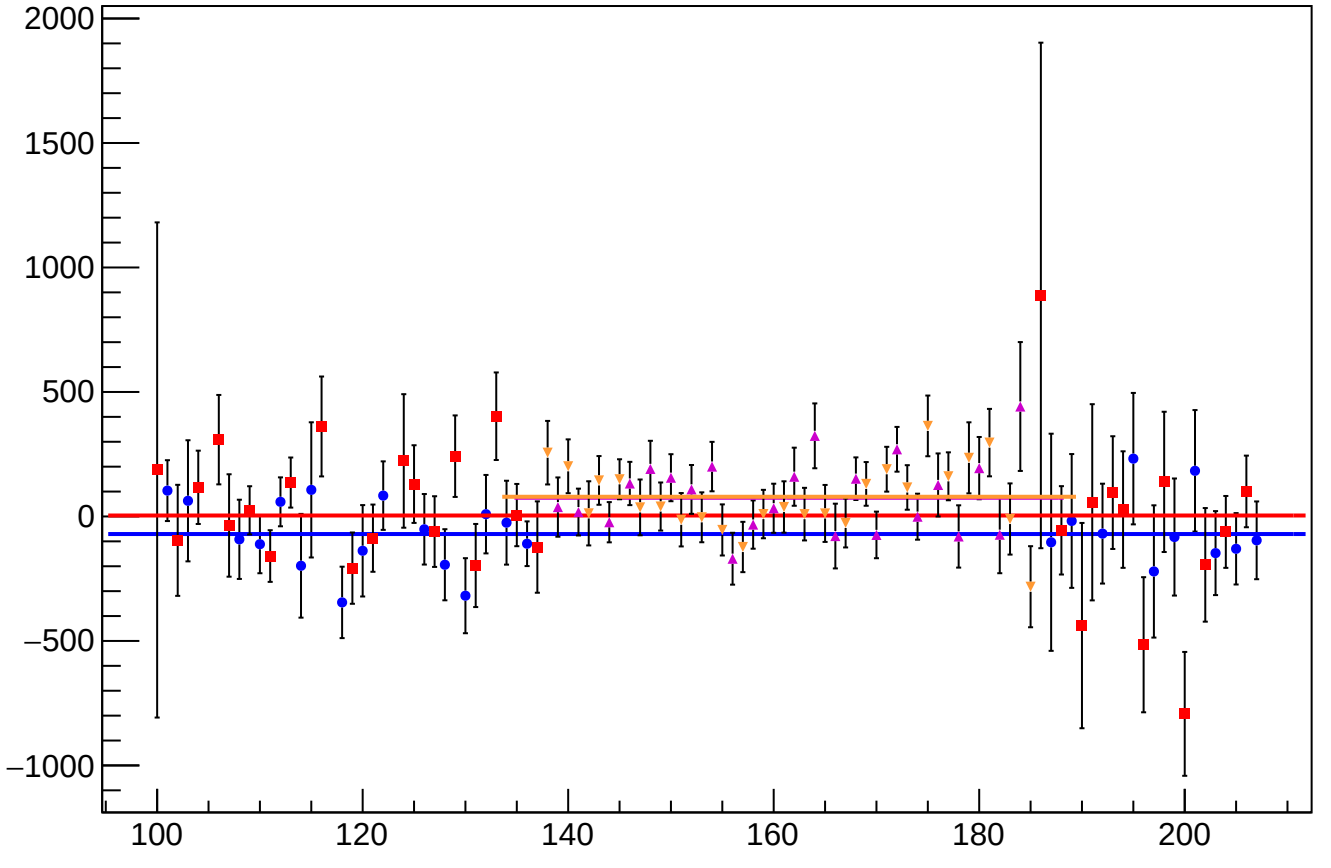
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1311.283+/-0.183 χ^2/NDF: 10761802.6/56

In: 892.023+/-0.118 χ^2/NDF:8914289.5/48

Out: 893.023+/-0.115 χ^2/NDF:10722972.2/55

All: 892.536+/-0.082 χ^2/NDF: 19637298.6/10



Right In: -70.601+/-30.966 χ^2/NDF: 17.2/25

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

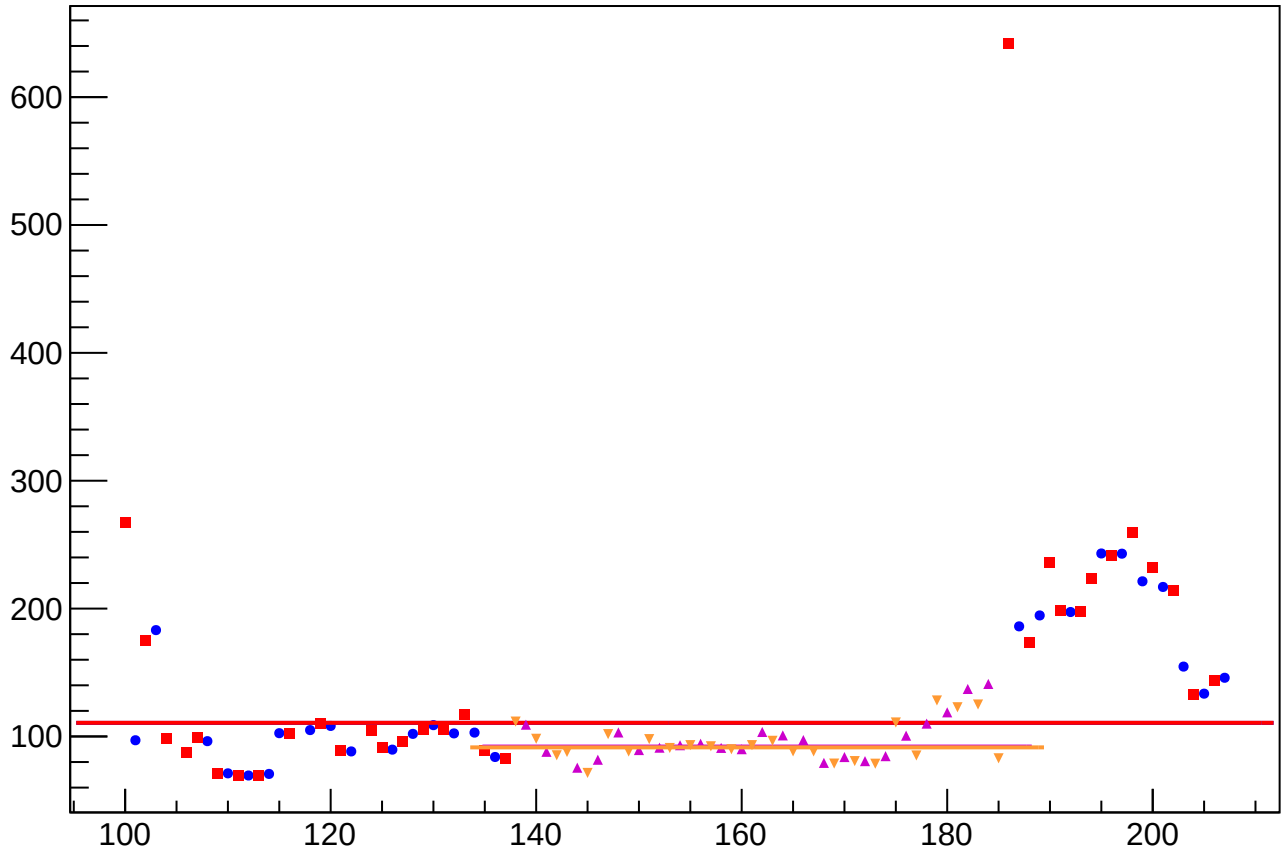
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -32.502+/-21.636 χ^2/NDF: 62.5/56

In: 26.675+/-17.846 χ^2/NDF:64.6/48

Out: 54.461+/-17.306 χ^2/NDF:78.4/55

All: 40.995+/-12.424 χ^2/NDF: 144.3/104



Right In: 110.597+/-0.022 χ^2/NDF: 3908423.6/25

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

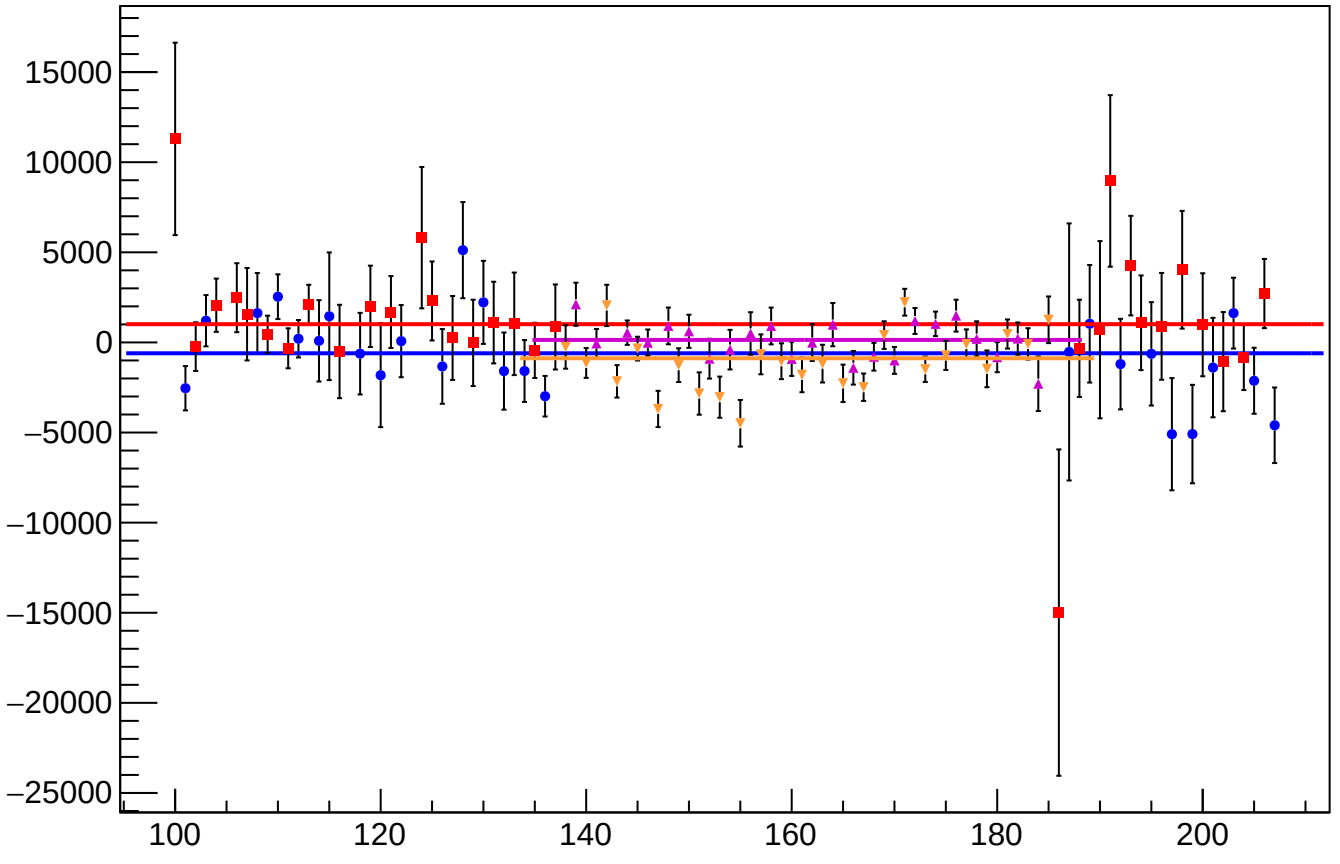
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 110.636+/-0.015 χ^2/NDF: 9297589.5/56

In: 98.244+/-0.013 χ^2/NDF:5084573.5/48

Out: 97.753+/-0.012 χ^2/NDF:6683206.5/55

All: 97.991+/-0.009 χ^2/NDF: 11768560.1/104



Right In: -602.543+/-371.984 χ^2/NDF: 34.9/25

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

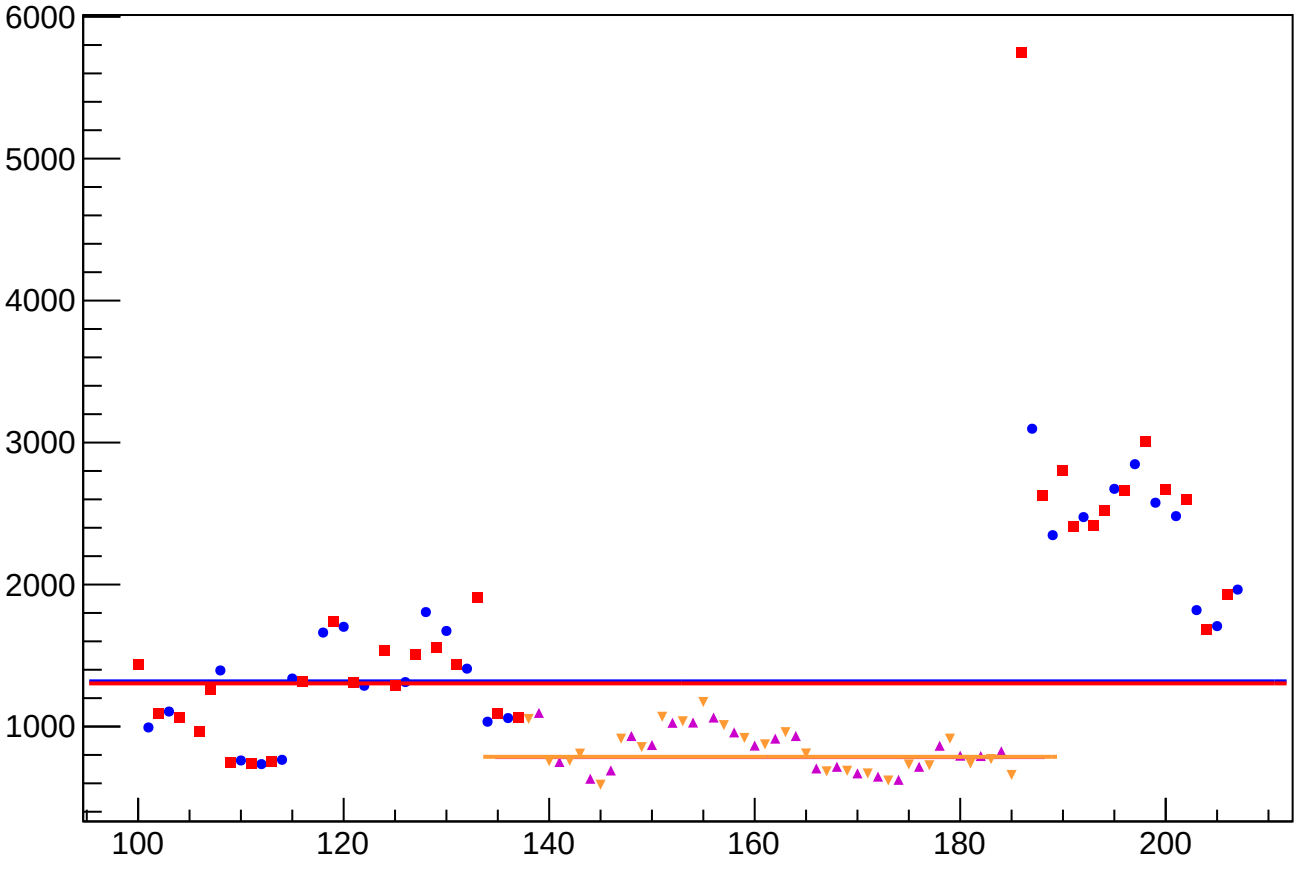
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 232.756+/-258.422 χ^2/NDF: 67.5/56

In: -10.267+/-166.772 χ^2/NDF:62.2/48

Out: -491.773+/-162.490 χ^2/NDF:112.7/55

All: -257.281+/-116.382 χ^2/NDF: 179.2/104



Right In: 1318.116+/-0.263 χ^2/NDF: 4566273.6/25

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

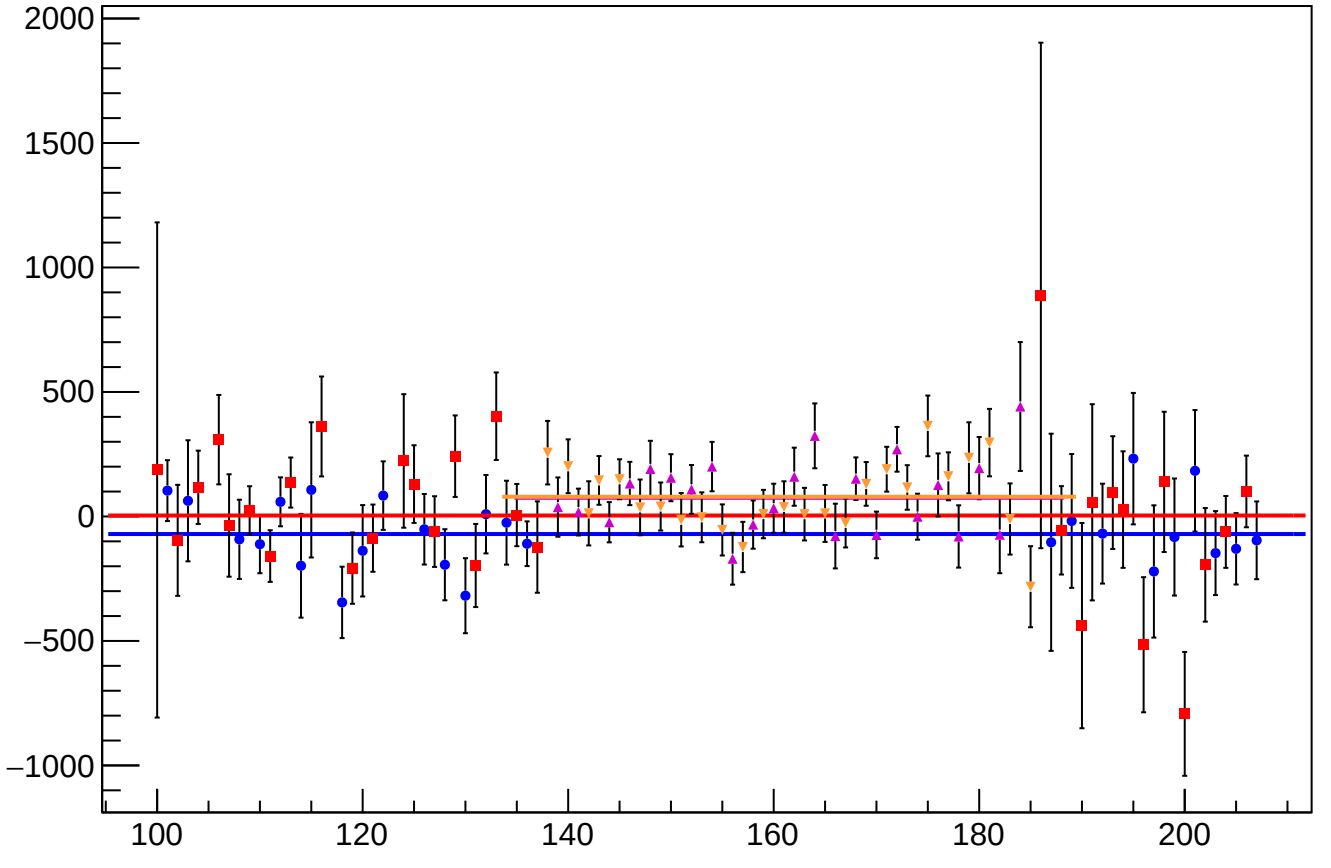
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1310.756+/-0.183 χ^2/NDF: 10776902.5/56

In: 892.024+/-0.118 χ^2/NDF:8914324.7/48

Out: 892.537+/-0.115 χ^2/NDF:10716035.6/55

All: 892.287+/-0.082 χ^2/NDF: 19630370.0/10



Right In: -70.601+/-30.966 χ^2/NDF: 17.2/25

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

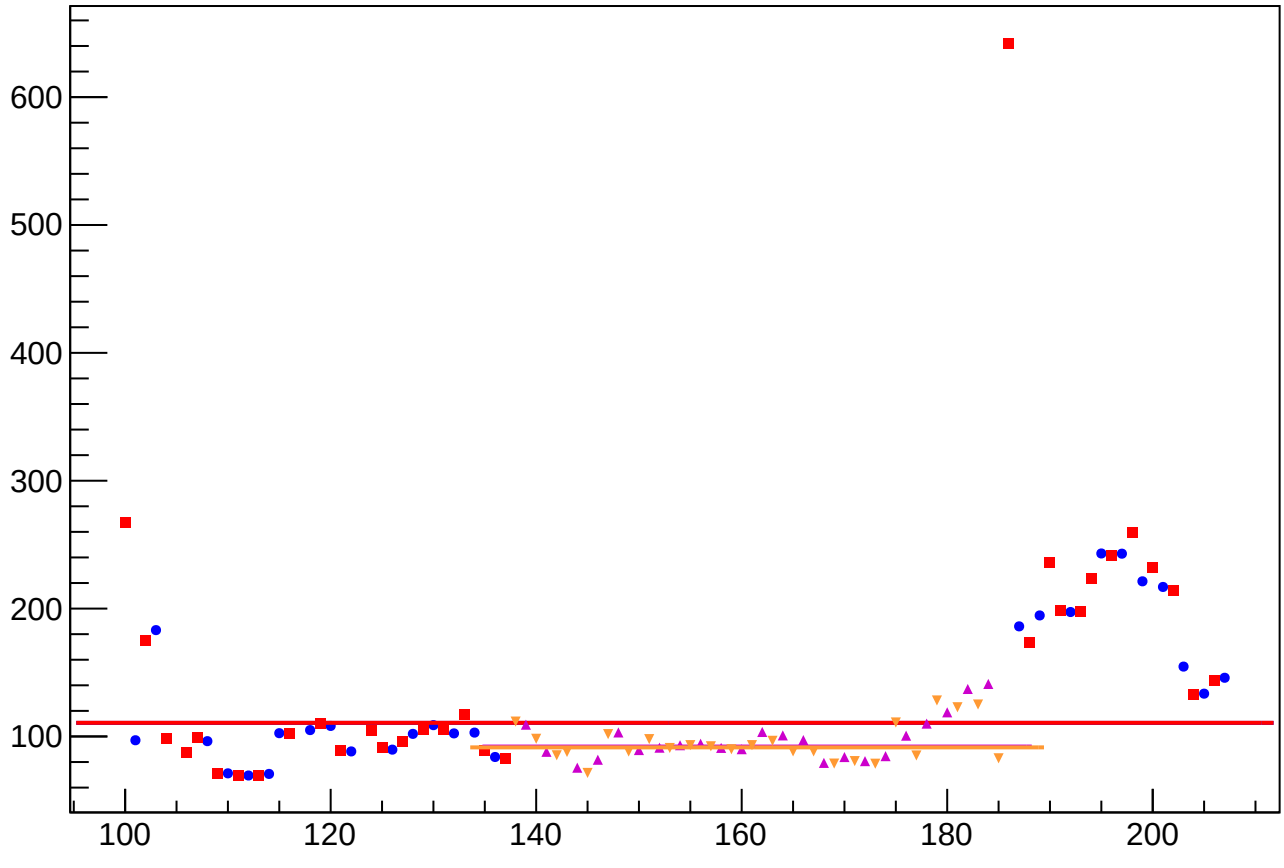
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -32.502+/-21.636 χ^2/NDF: 62.5/56

In: 26.675+/-17.846 χ^2/NDF:64.6/48

Out: 54.461+/-17.306 χ^2/NDF:78.4/55

All: 40.995+/-12.424 χ^2/NDF: 144.3/104



Right In: 110.597+/-0.022 χ^2/NDF: 3908423.6/25

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

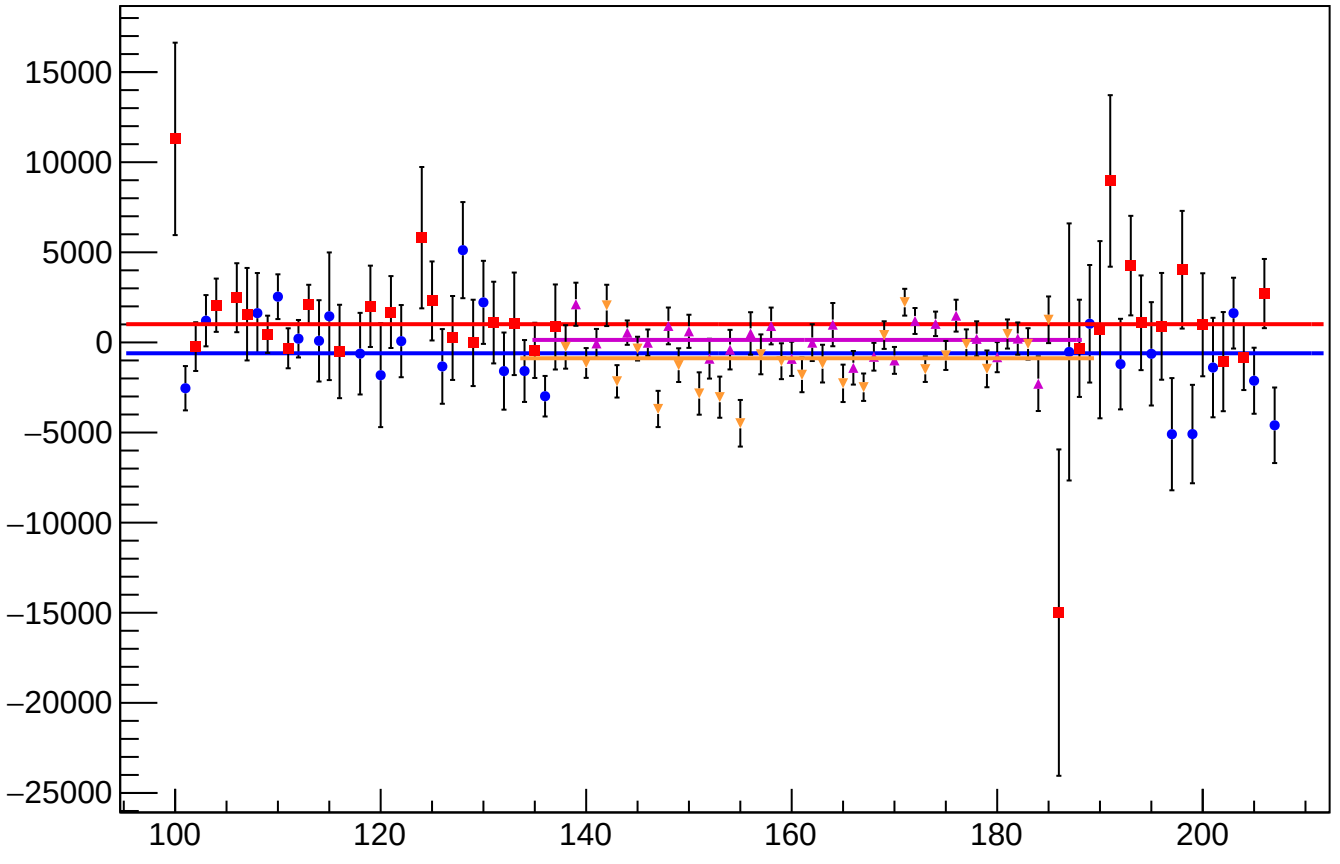
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 110.636+/-0.015 χ^2/NDF: 9297589.5/56

In: 98.244+/-0.013 χ^2/NDF:5084573.5/48

Out: 97.753+/-0.012 χ^2/NDF:6683206.5/55

All: 97.991+/-0.009 χ^2/NDF: 11768560.1/104



Right In: -602.543+/-371.984 χ^2/NDF: 34.9/25

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

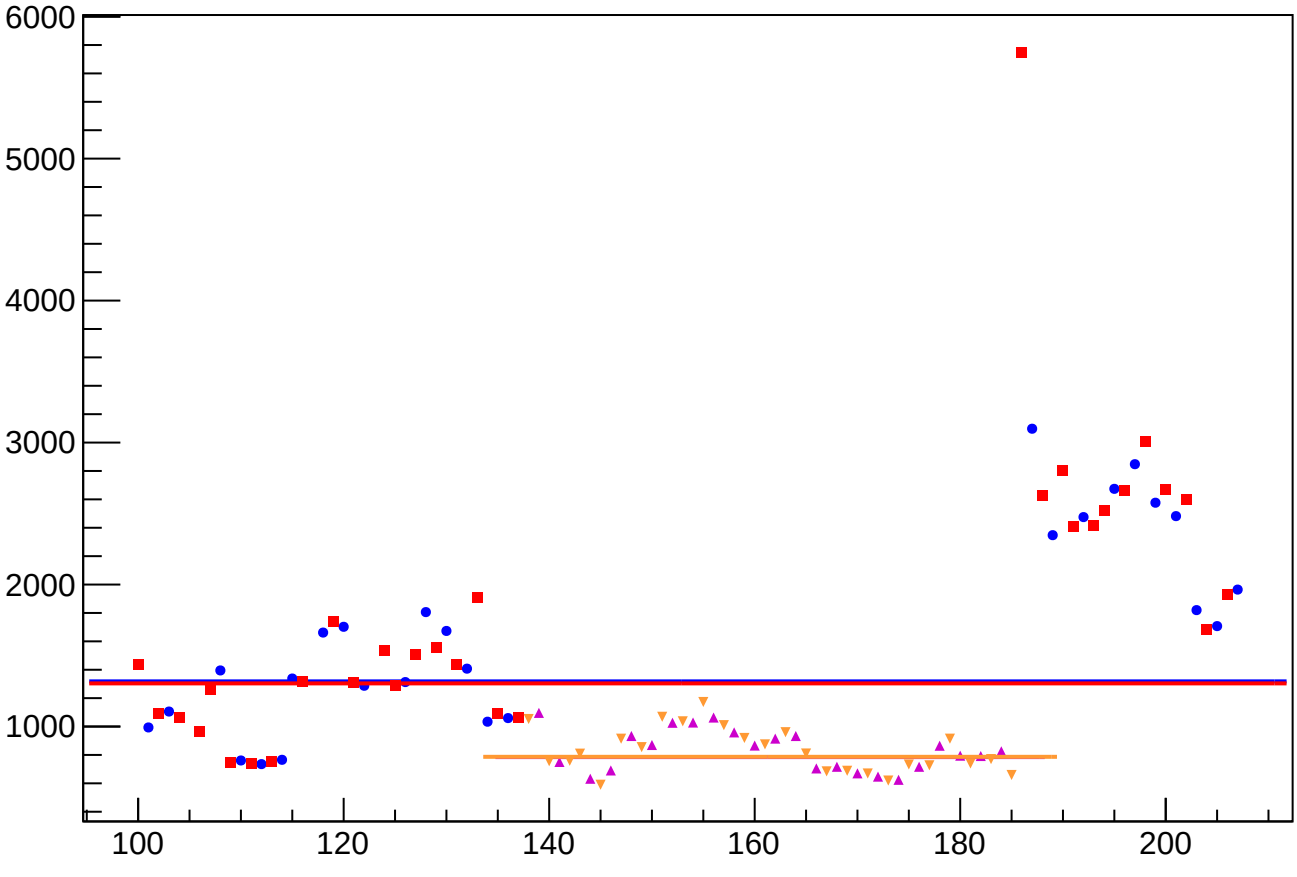
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 232.756+/-258.422 χ^2/NDF: 67.5/56

In: -10.267+/-166.772 χ^2/NDF:62.2/48

Out: -491.773+/-162.490 χ^2/NDF:112.7/55

All: -257.281+/-116.382 χ^2/NDF: 179.2/104



Right In: 1318.116+/-0.263 χ^2/NDF: 4566273.6/25

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

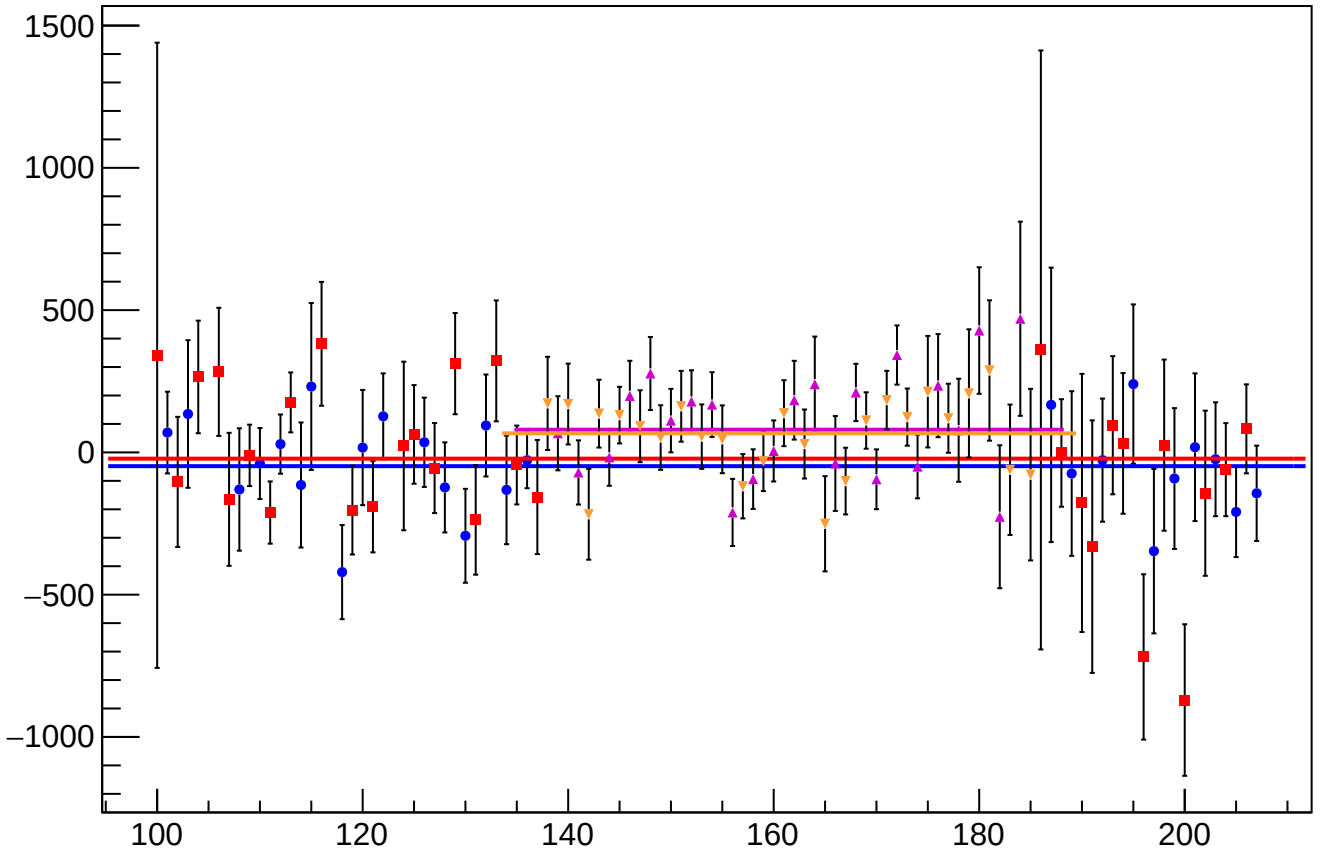
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1310.756+/-0.183 χ^2/NDF: 10776902.5/56

In: 892.024+/-0.118 χ^2/NDF:8914324.7/48

Out: 892.537+/-0.115 χ^2/NDF:10716035.6/55

All: 892.287+/-0.082 χ^2/NDF: 19630370.0/10



Right In: -48.354+/-34.267 χ^2/NDF: 16.8/25

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

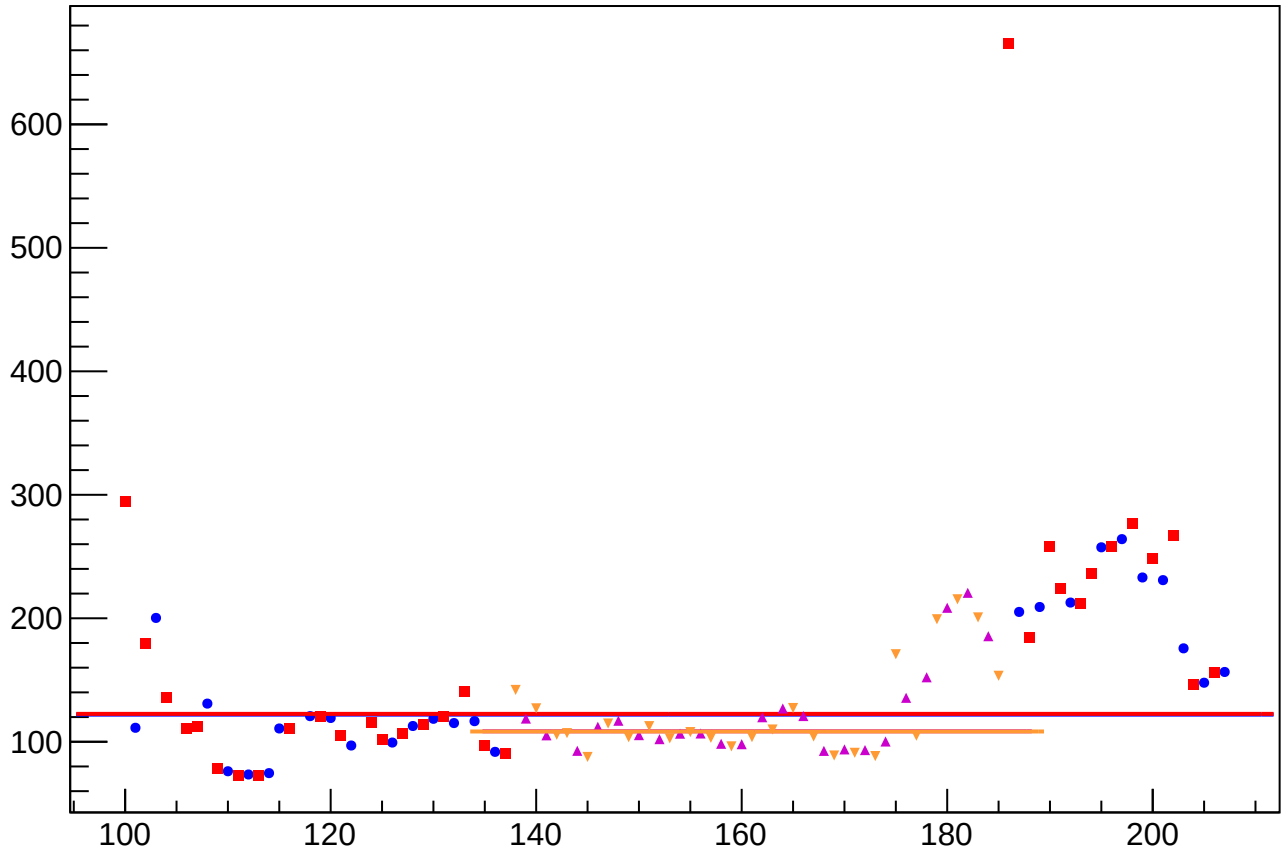
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -34.908+/-23.990 χ^2/NDF: 59.9/56

In: 32.275+/-20.863 χ^2/NDF:62.5/48

Out: 34.275+/-20.354 χ^2/NDF:66.8/55

All: 33.300+/-14.569 χ^2/NDF: 129.3/104



Right In: 121.999+/-0.024 χ^2/NDF: 3875293.3/25

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

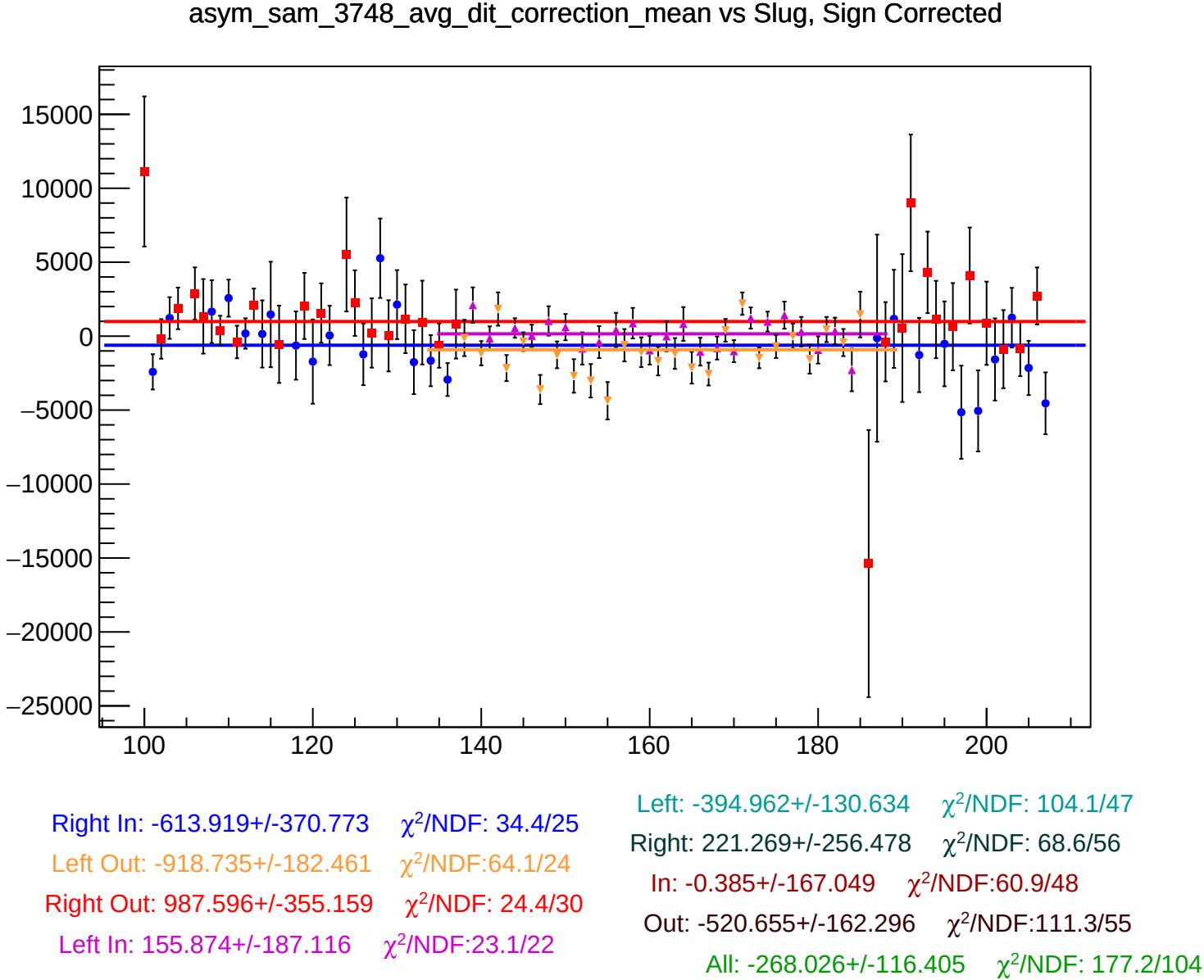
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

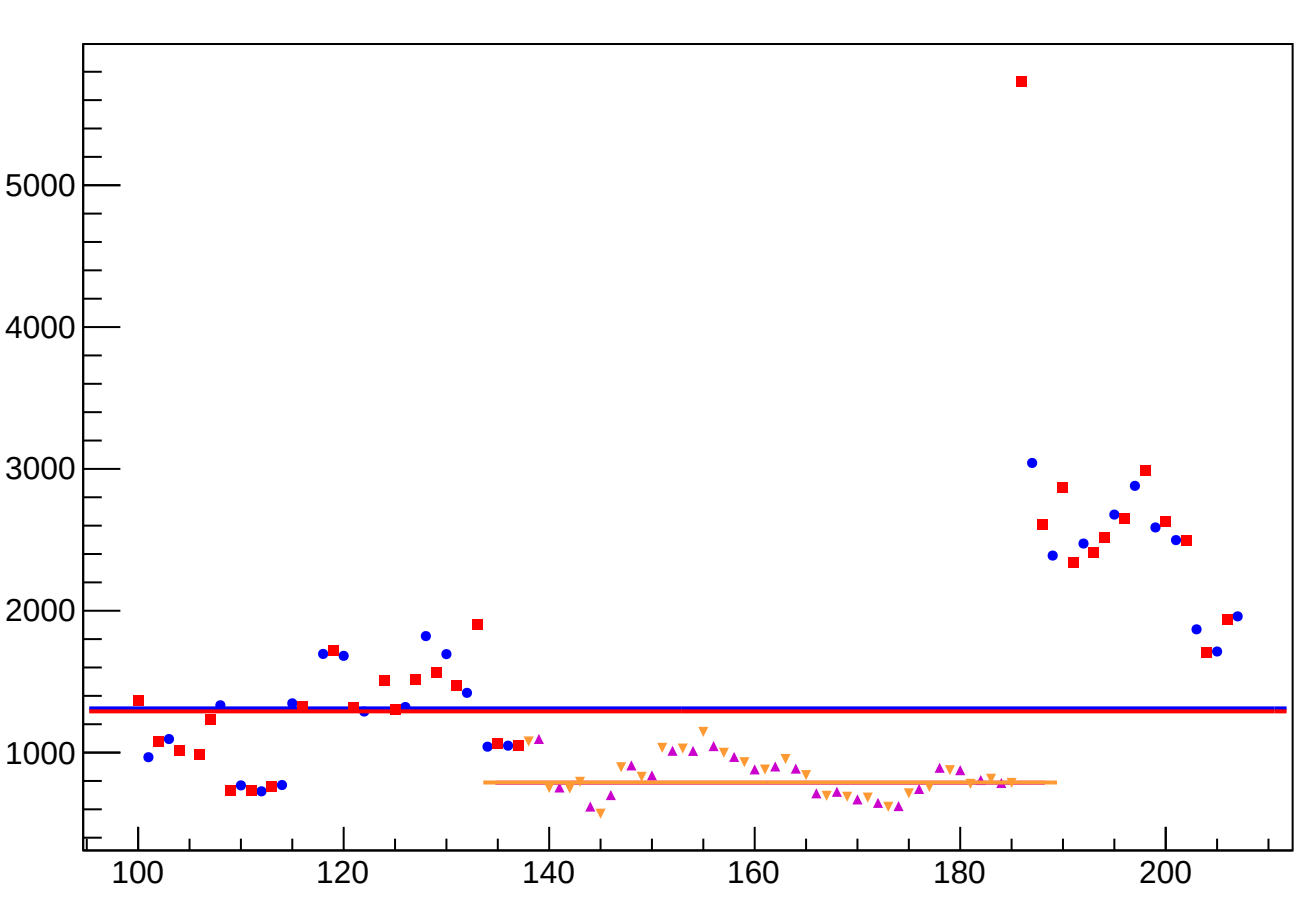
Right: 122.297+/-0.017 χ^2/NDF: 9242147.2/56

In: 113.499+/-0.015 χ^2/NDF:5450239.8/48

Out: 113.562+/-0.014 χ^2/NDF:7369006.9/55

All: 113.531+/-0.010 χ^2/NDF: 12819256.0/10


asym_sam_3748_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -613.919+/-370.773 χ²/NDF: 34.4/25
Left Out: -918.735+/-182.461 χ²/NDF:64.1/24
Right Out: 987.596+/-355.159 χ²/NDF: 24.4/30
Left In: 155.874+/-187.116 χ²/NDF:23.1/22
Left: -394.962+/-130.634 χ²/NDF: 104.1/47
Right: 221.269+/-256.478 χ²/NDF: 68.6/56
In: -0.385+/-167.049 χ²/NDF:60.9/48
Out: -520.655+/-162.296 χ²/NDF:111.3/55
All: -268.026+/-116.405 χ²/NDF: 177.2/104



Right In: 1311.582+/-0.262 χ^2/NDF: 4678440.6/25

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

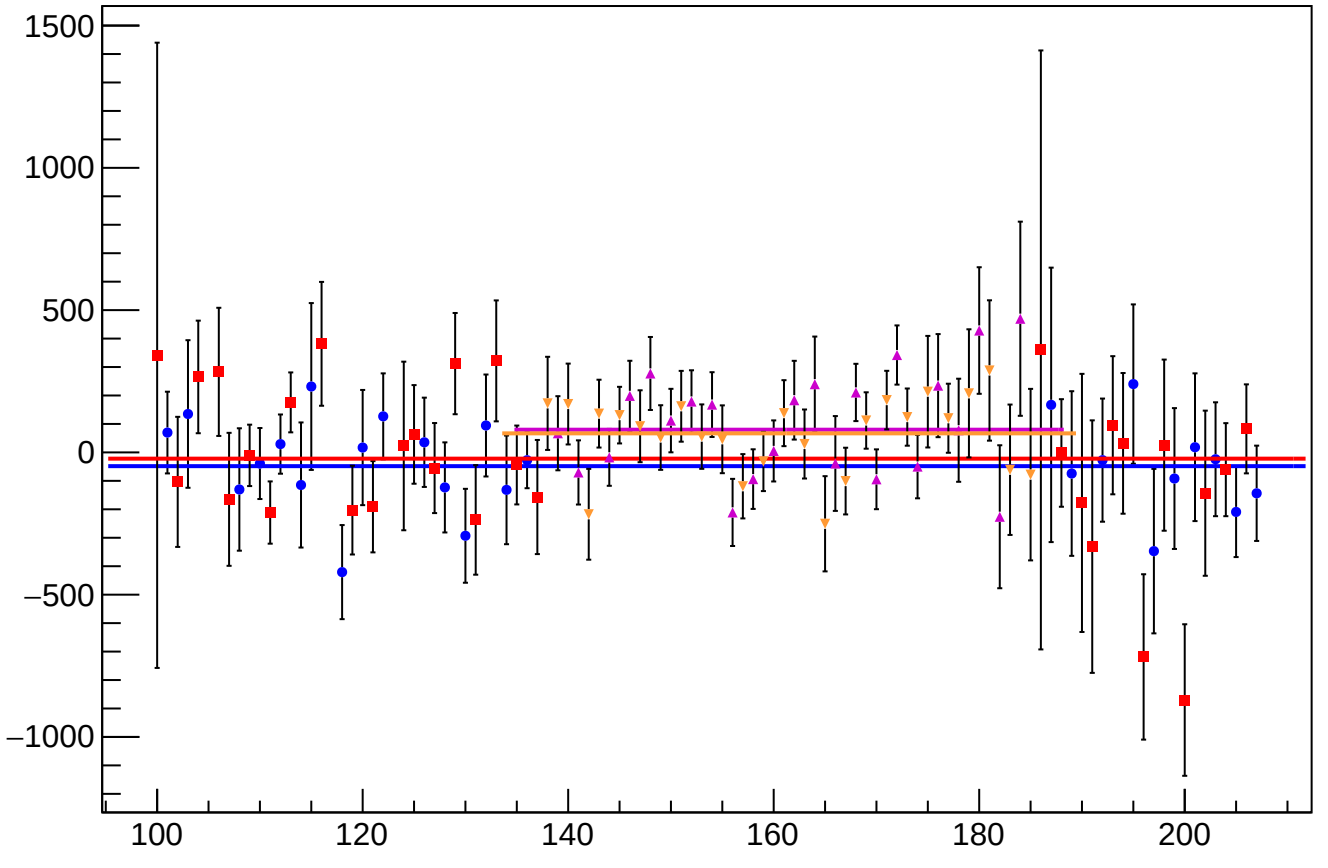
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1300.662+/-0.181 χ^2/NDF: 10952103.5/56

In: 893.795+/-0.118 χ^2/NDF:8905944.3/48

Out: 893.950+/-0.115 χ^2/NDF:10600801.8/55

All: 893.875+/-0.082 χ^2/NDF: 19506747.0/10



Right In: -48.352+/-34.267 χ^2/NDF: 16.8/25

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

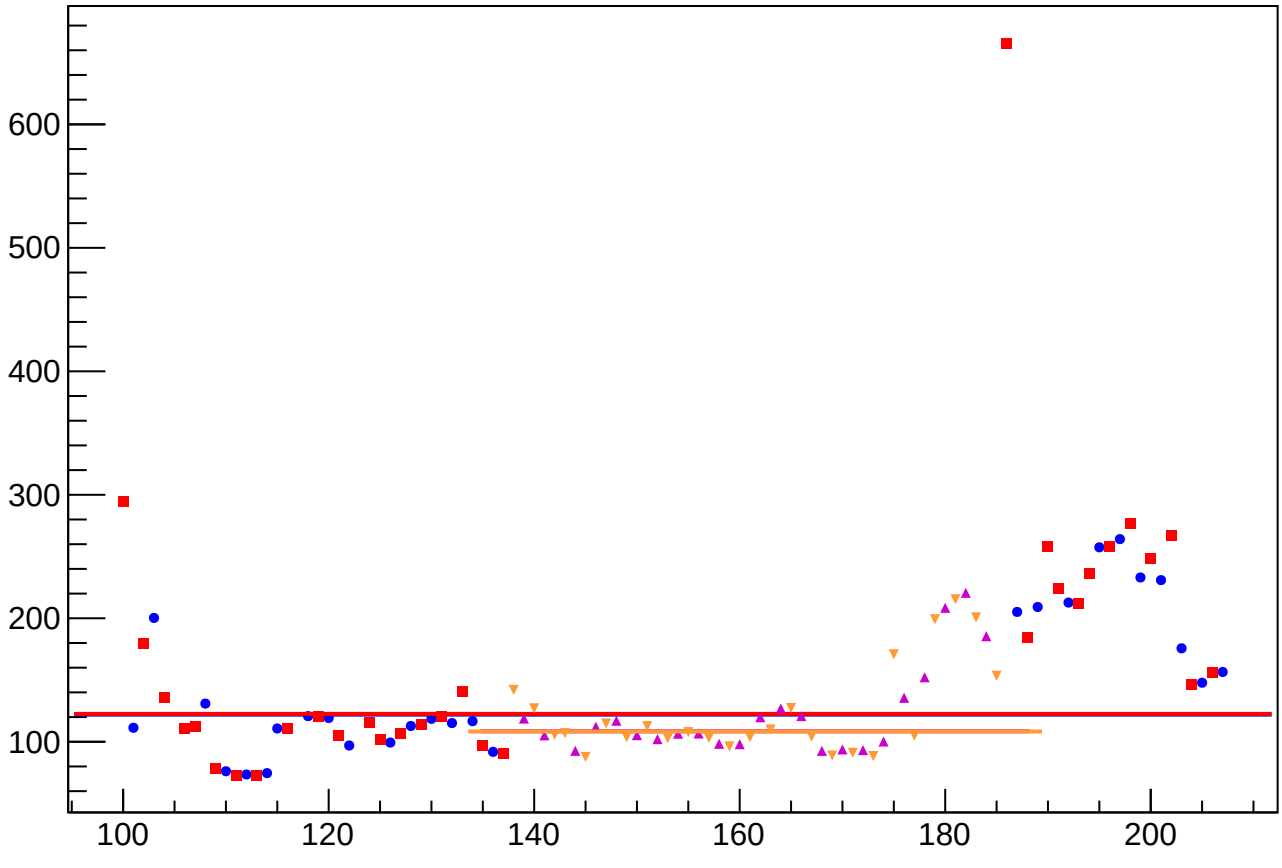
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -34.908+/-23.990 χ^2/NDF: 59.9/56

In: 32.275+/-20.863 χ^2/NDF:62.5/48

Out: 34.276+/-20.354 χ^2/NDF:66.8/55

All: 33.300+/-14.569 χ^2/NDF: 129.3/104



Right In: 121.999+/-0.024 χ^2/NDF: 3875281.0/25

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

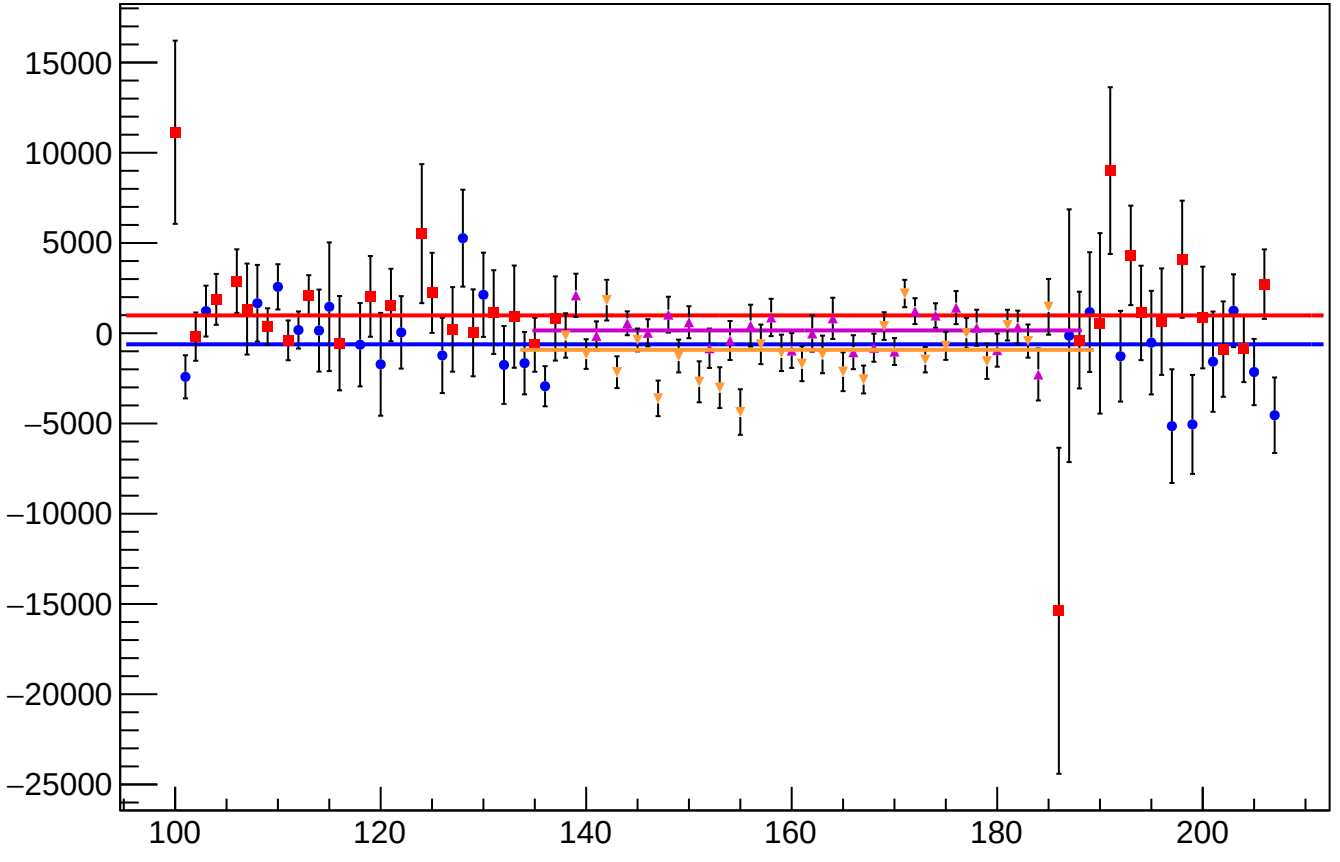
Right: 122.297+/-0.017 χ^2/NDF: 9242138.8/56

In: 113.499+/-0.015 χ^2/NDF:5450203.2/48

Out: 113.562+/-0.014 χ^2/NDF:7369000.1/55

All: 113.531+/-0.010 χ^2/NDF: 12819212.6/10

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -613.917+/-370.772 χ^2/NDF: 34.4/25

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

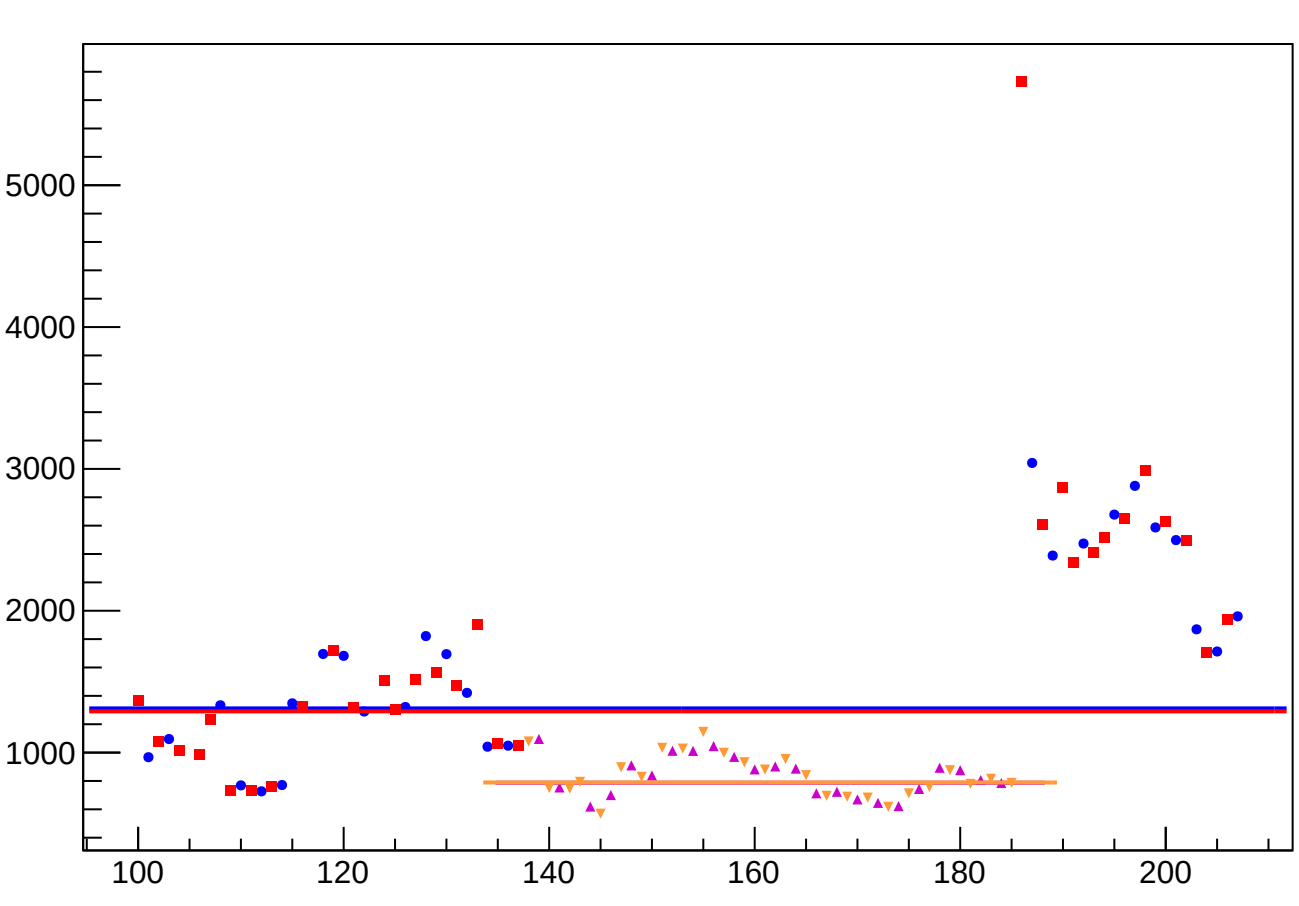
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 221.269+/-256.477 χ^2/NDF: 68.6/56

In: -0.385+/-167.048 χ^2/NDF:60.9/48

Out: -520.655+/-162.296 χ^2/NDF:111.3/55

All: -268.026+/-116.404 χ^2/NDF: 177.2/104



Right In: 1311.580+/-0.262 χ^2/NDF: 4678450.1/25

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

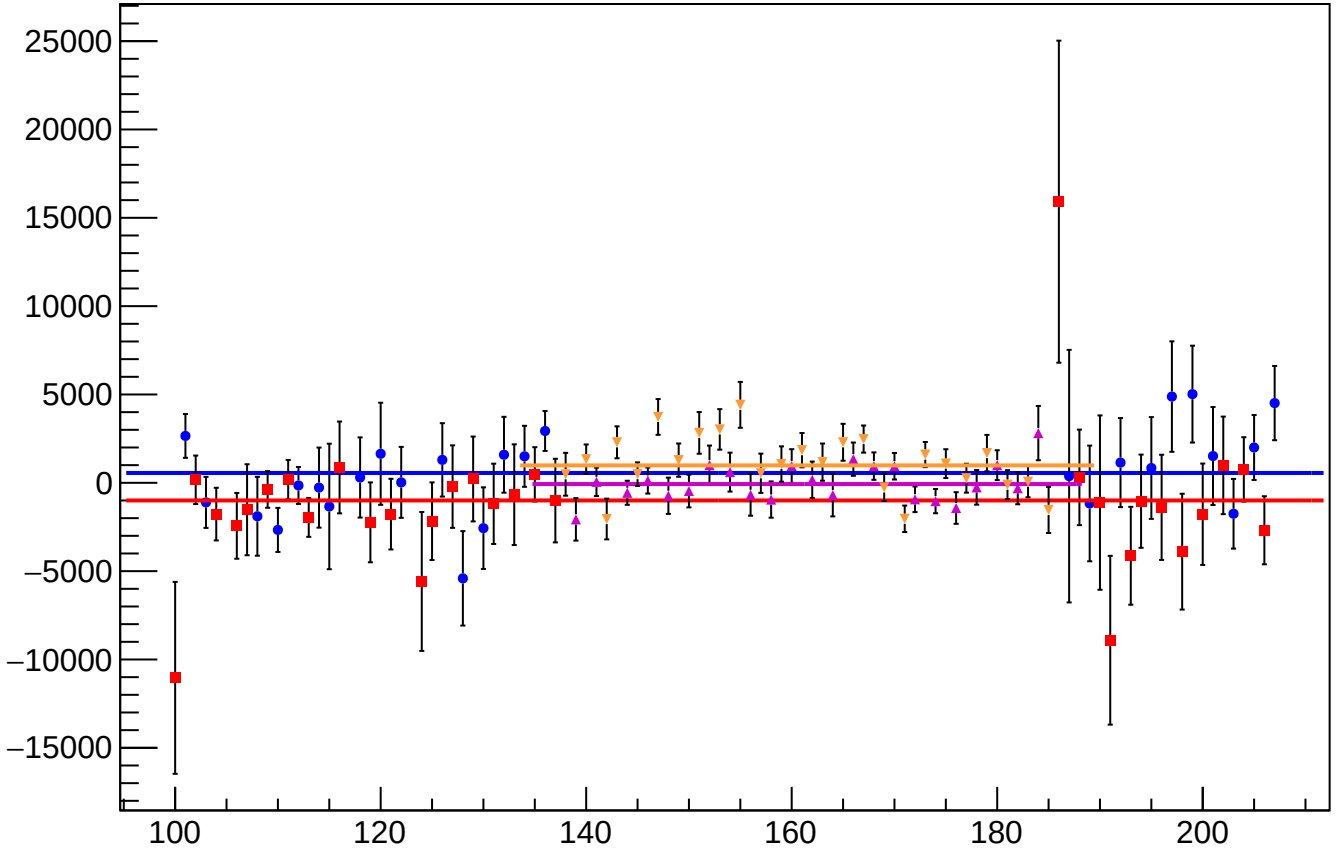
Right: 1300.660+/-0.181 χ^2/NDF: 10952117.8/56

In: 893.793+/-0.118 χ^2/NDF:8905953.3/48

Out: 893.949+/-0.115 χ^2/NDF:10600811.3/55

All: 893.873+/-0.082 χ^2/NDF: 19506765.5/10

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 557.048+/-373.842 χ^2/NDF: 35.6/25

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

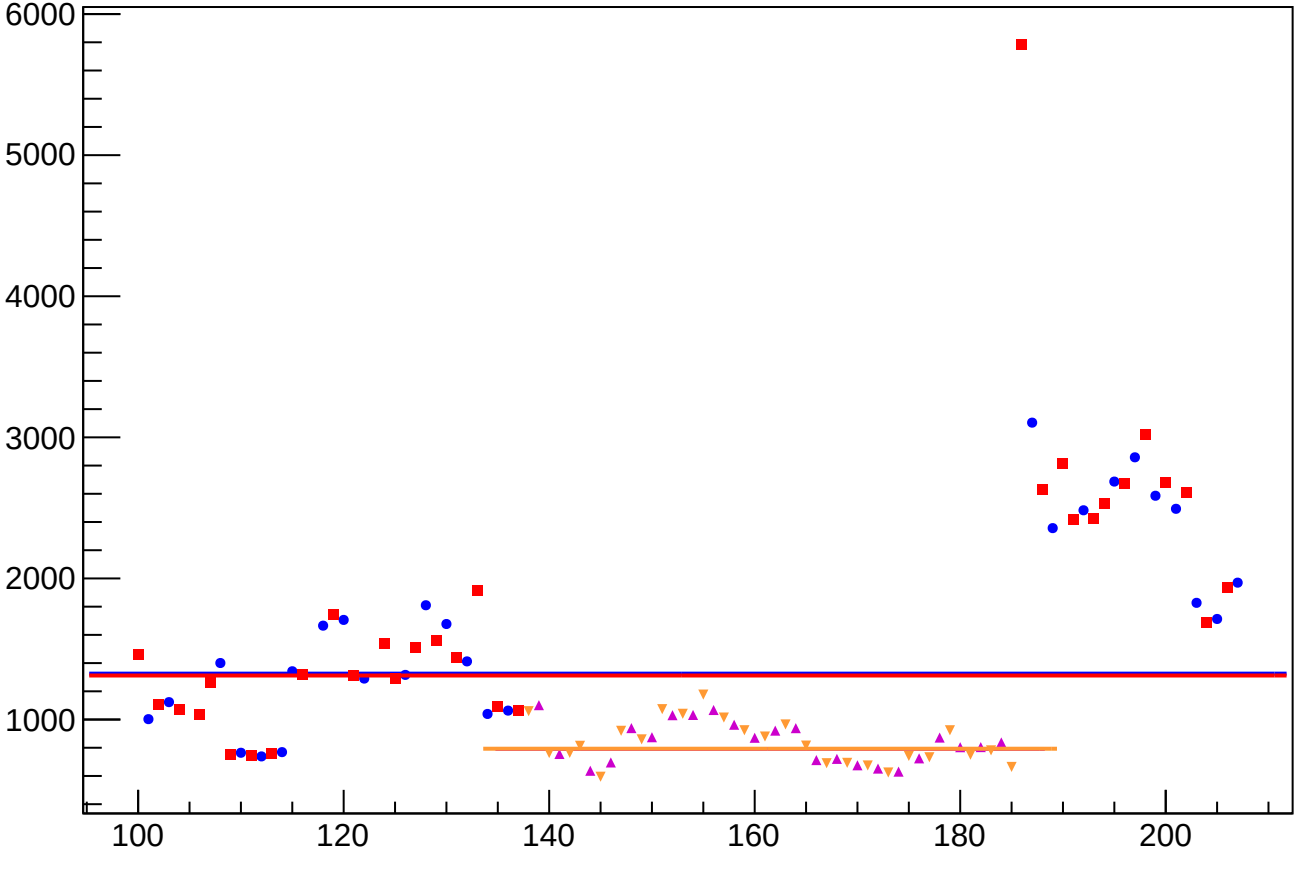
Right: -248.554+/-259.531 χ^2/NDF: 66.6/56

In: 56.536+/-167.983 χ^2/NDF:62.3/48

Out: 577.245+/-163.612 χ^2/NDF:109.7/55

All: 323.753+/-117.206 χ^2/NDF: 177.0/104

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1325.232+/-0.264 χ^2/NDF: 4547016.3/25

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

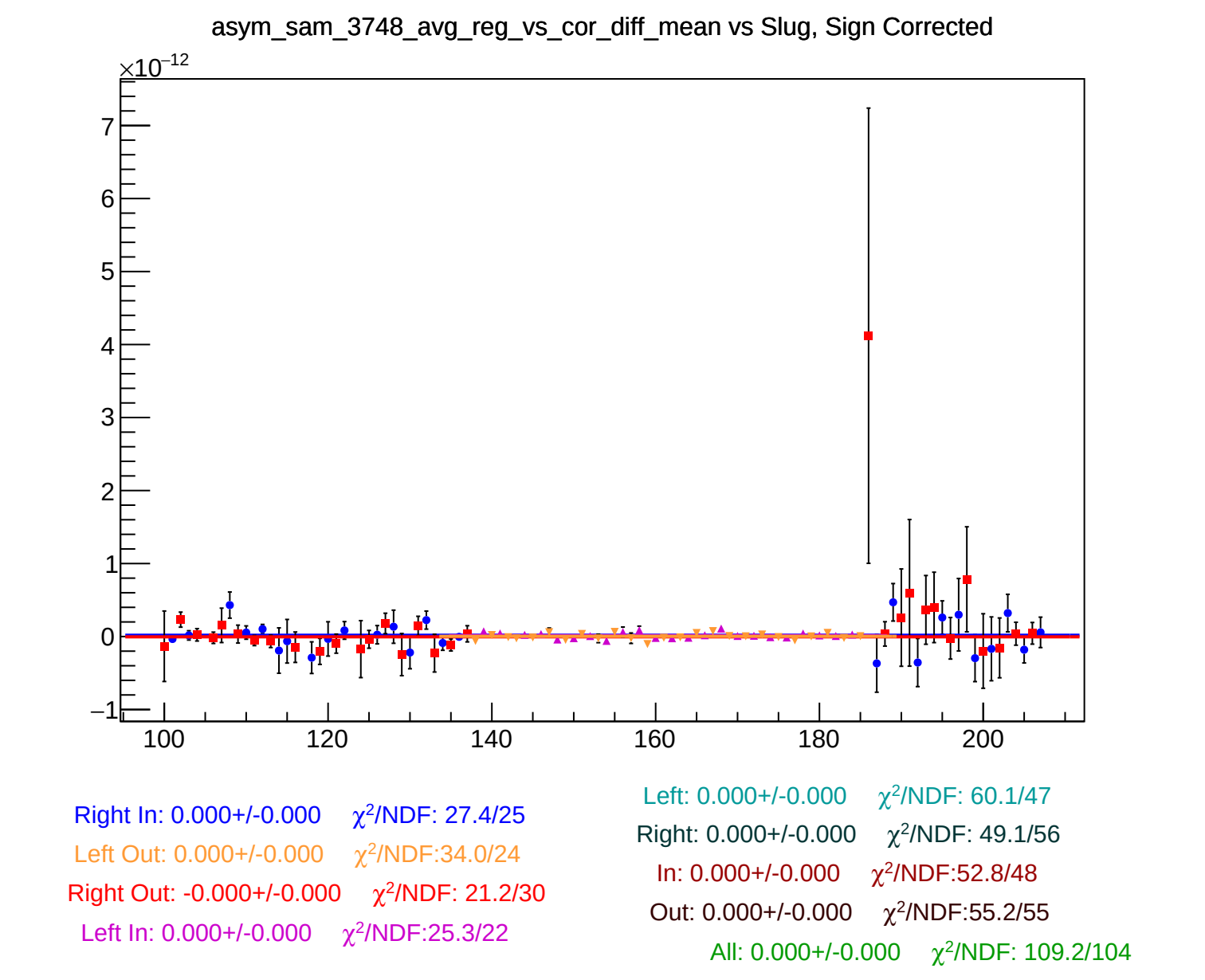
Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

Right: 1318.405+/-0.184 χ^2/NDF: 10722895.5/56

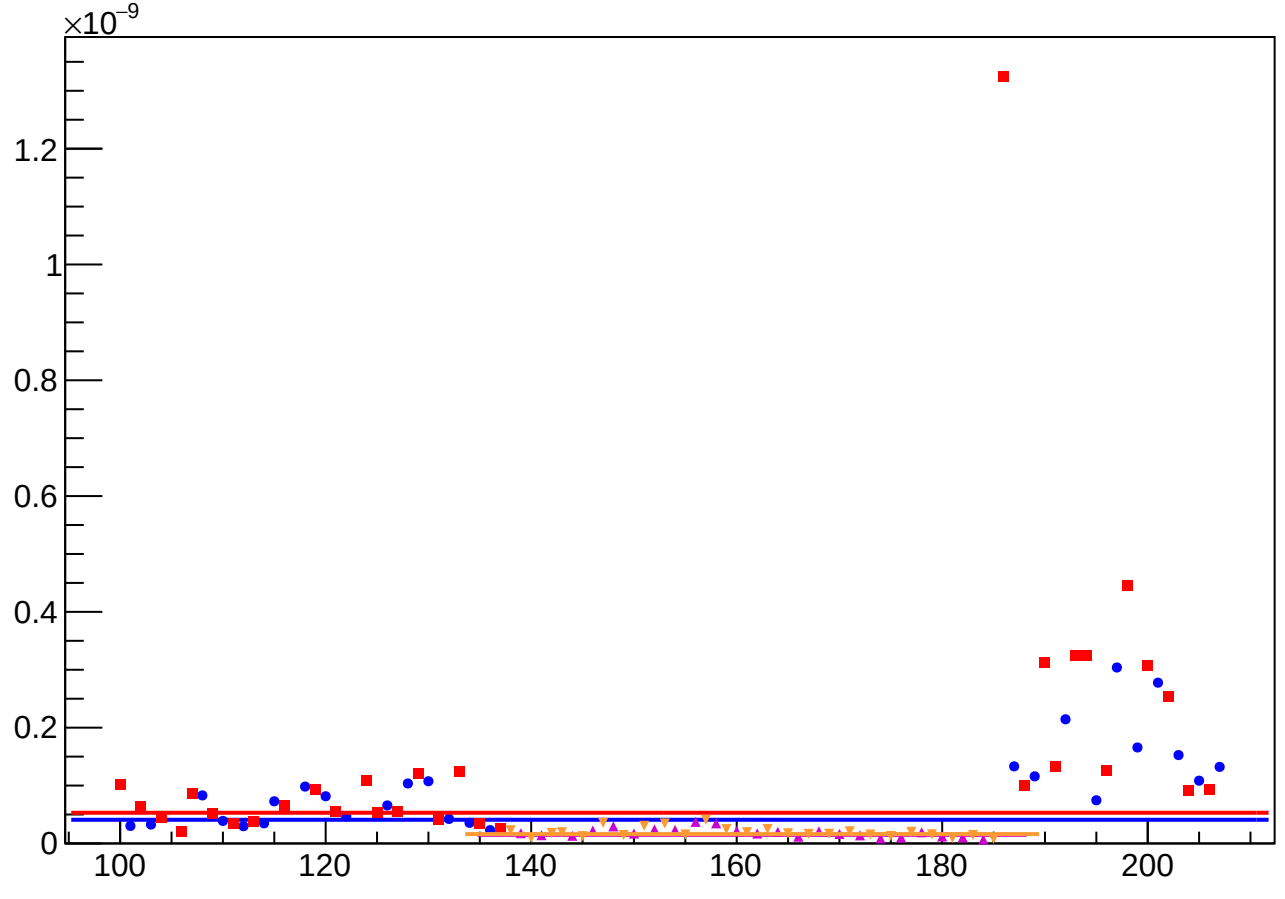
In: 898.990+/-0.119 χ^2/NDF:8853835.9/48

Out: 899.907+/-0.116 χ^2/NDF:10658970.4/55

All: 899.461+/-0.083 χ^2/NDF: 19512836.9/10


asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
7
6
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.4/25
Left Out: 0.000+/-0.000 χ²/NDF:34.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.2/30
Left In: 0.000+/-0.000 χ²/NDF:25.3/22
Left: 0.000+/-0.000 χ²/NDF: 60.1/47
Right: 0.000+/-0.000 χ²/NDF: 49.1/56
In: 0.000+/-0.000 χ²/NDF:52.8/48
Out: 0.000+/-0.000 χ²/NDF:55.2/55
All: 0.000+/-0.000 χ²/NDF: 109.2/104

asym_sam_3748_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4723814.7/25

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5370494.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

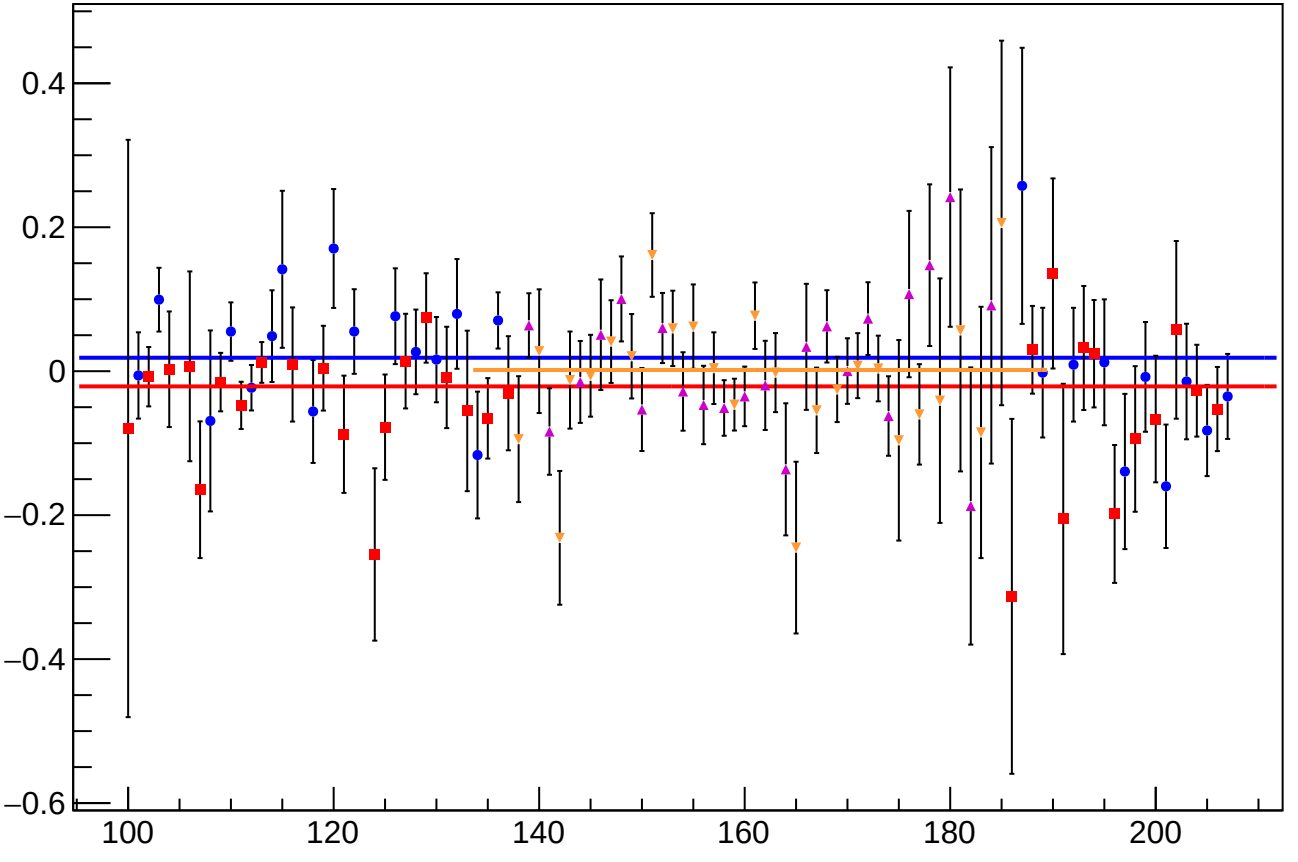
Right: 0.000+/-0.000 χ^2/NDF: 10361814.8/56

In: 0.000+/-0.000 χ^2/NDF:9164379.7/48

Out: 0.000+/-0.000 χ^2/NDF:11022274.2/55

All: 0.000+/-0.000 χ^2/NDF: 20235781.1/104

asym_sam_3748_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.012 χ^2/NDF: 30.2/25

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

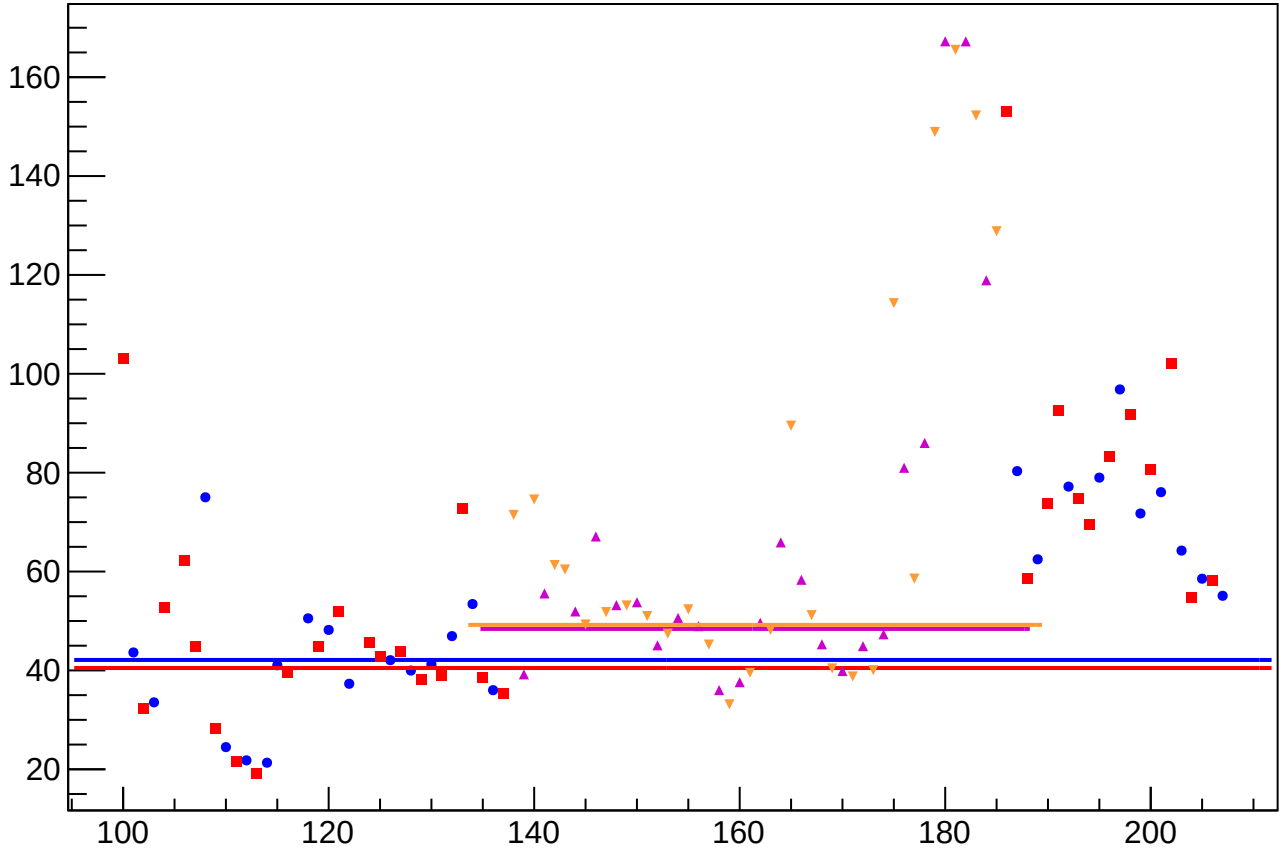
Right: -0.002+/-0.008 χ^2/NDF: 59.3/56

In: 0.010+/-0.009 χ^2/NDF:57.2/48

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: -0.000+/-0.006 χ^2/NDF: 115.9/104

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.119+/-0.009 χ^2/NDF: 4221950.2/25

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

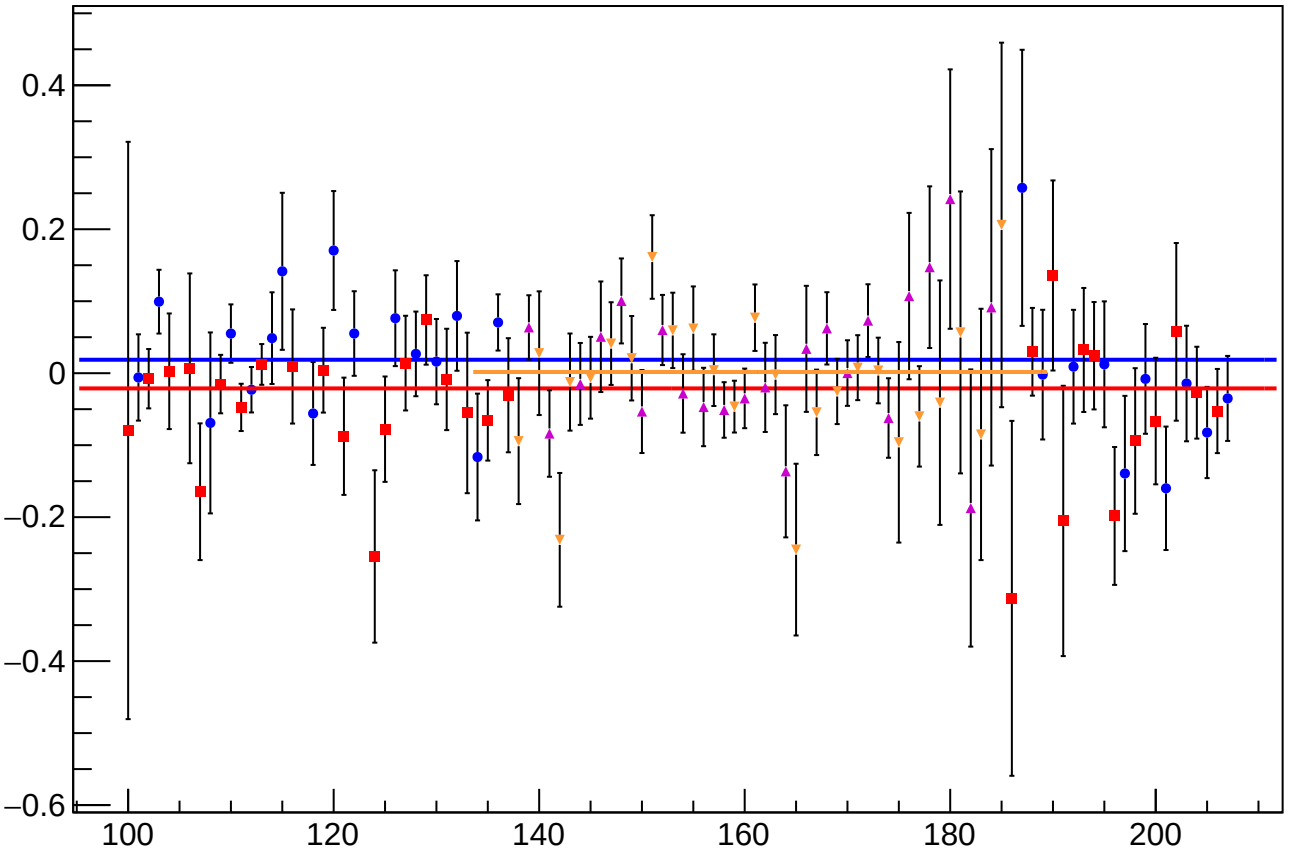
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 41.261+/-0.006 χ^2/NDF: 10307608.1/56

In: 45.214+/-0.006 χ^2/NDF:7515784.3/48

Out: 44.596+/-0.006 χ^2/NDF:10771901.0/55

All: 44.896+/-0.004 χ^2/NDF: 18292887.3/104



Right In: 0.019+/-0.012 χ^2/NDF: 30.2/25

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

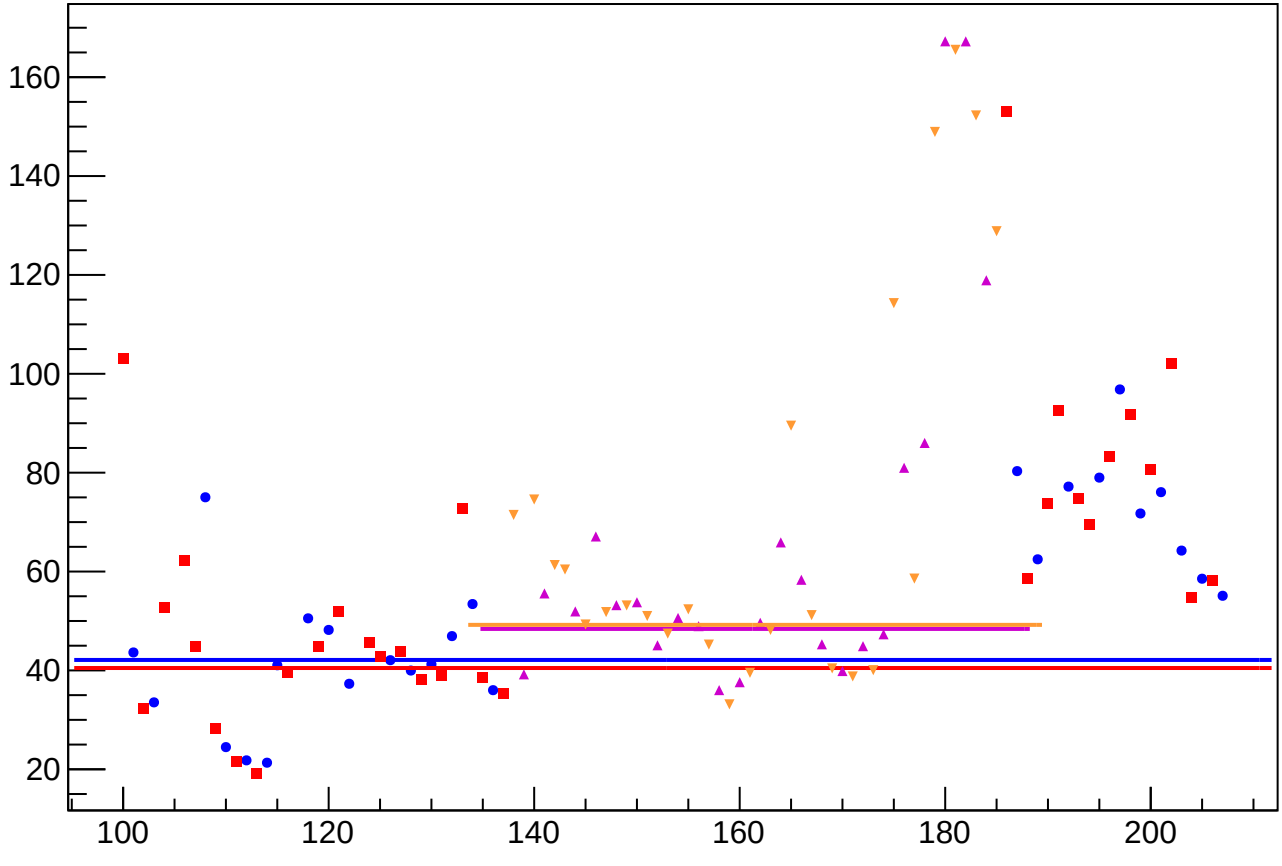
Right: -0.002+/-0.008 χ^2/NDF: 59.3/56

In: 0.010+/-0.009 χ^2/NDF:57.2/48

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: -0.000+/-0.006 χ^2/NDF: 115.9/104

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.119+/-0.009 χ^2/NDF: 4221950.2/25

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

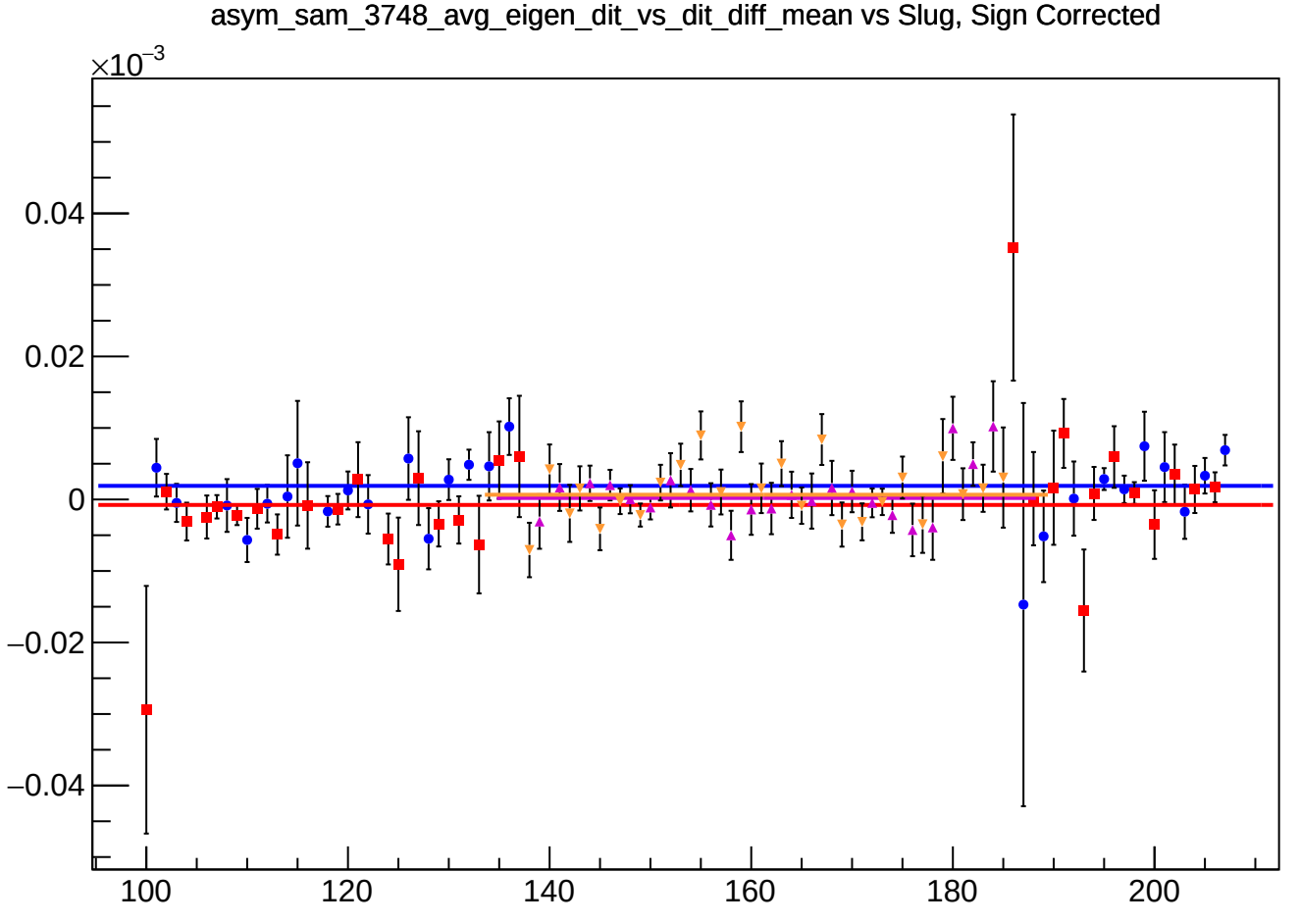
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 41.261+/-0.006 χ^2/NDF: 10307608.1/56

In: 45.214+/-0.006 χ^2/NDF:7515784.3/48

Out: 44.596+/-0.006 χ^2/NDF:10771901.0/55

All: 44.896+/-0.004 χ^2/NDF: 18292887.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 32.7/25

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

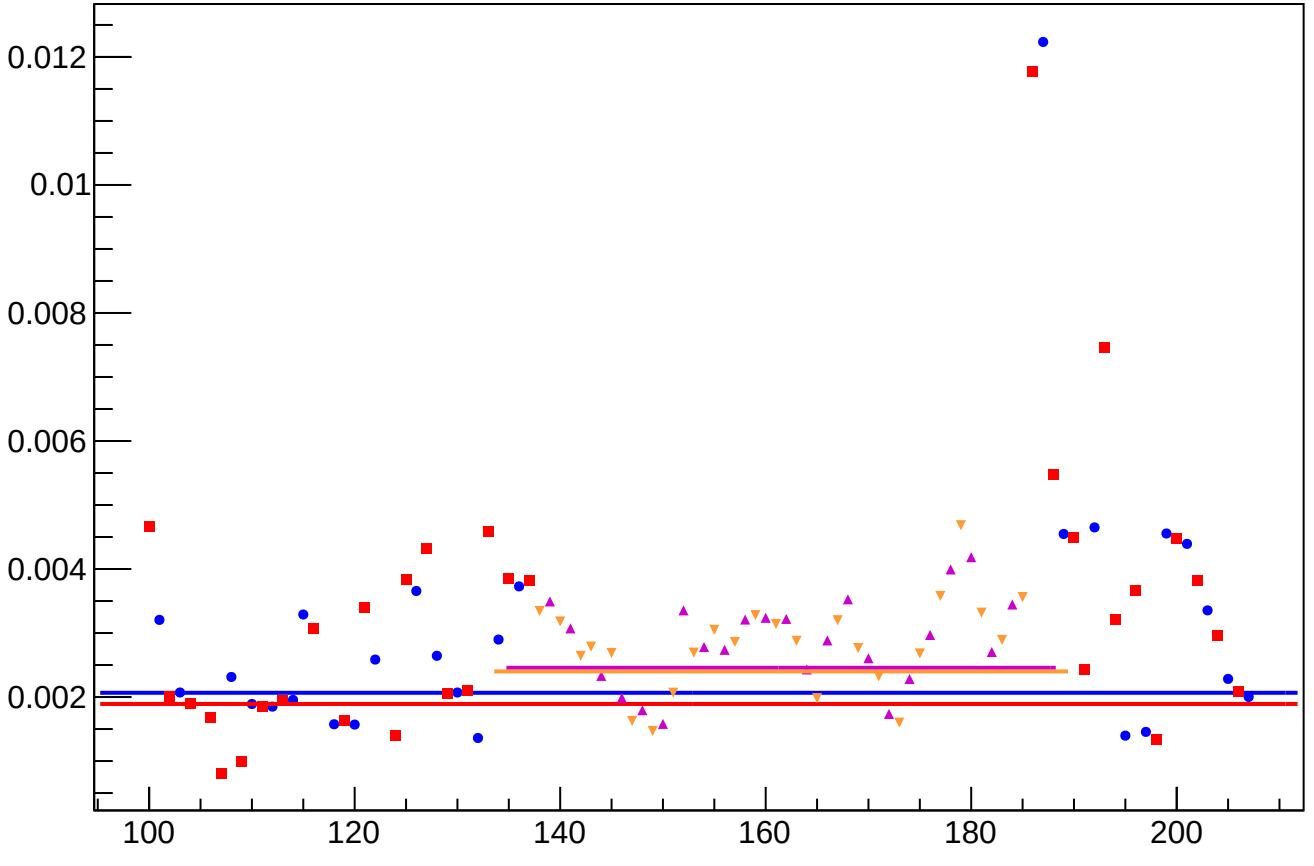
Right: 0.000+/-0.000 χ^2/NDF: 77.4/56

In: 0.000+/-0.000 χ^2/NDF:56.5/48

Out: -0.000+/-0.000 χ^2/NDF:78.7/55

All: 0.000+/-0.000 χ^2/NDF: 139.1/104

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4138249.6/25

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

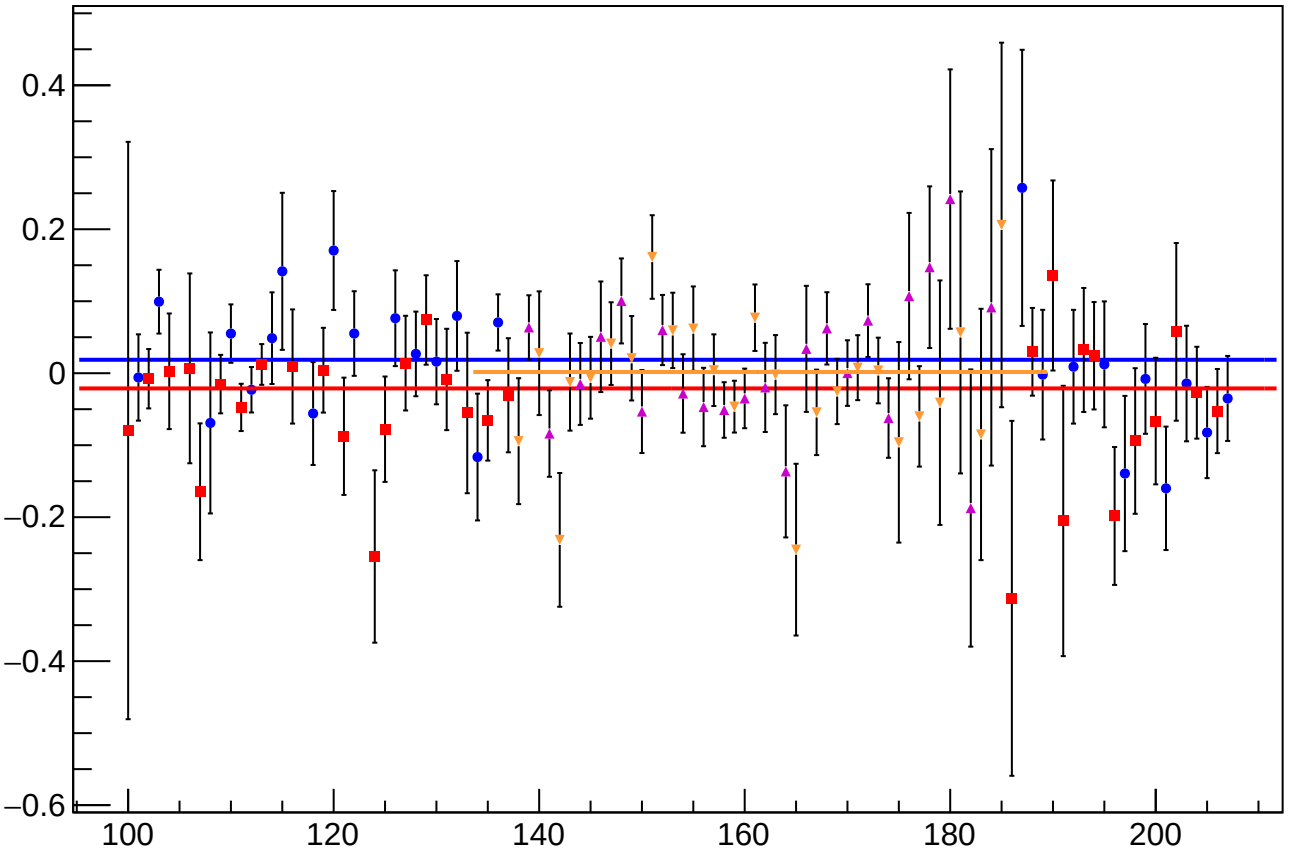
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 11810642.2/56

In: 0.002+/-0.000 χ^2/NDF:7194298.6/48

Out: 0.002+/-0.000 χ^2/NDF:11523009.2/55

All: 0.002+/-0.000 χ^2/NDF: 18808369.6/104



Right In: 0.019+/-0.012 χ^2/NDF: 30.2/25

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

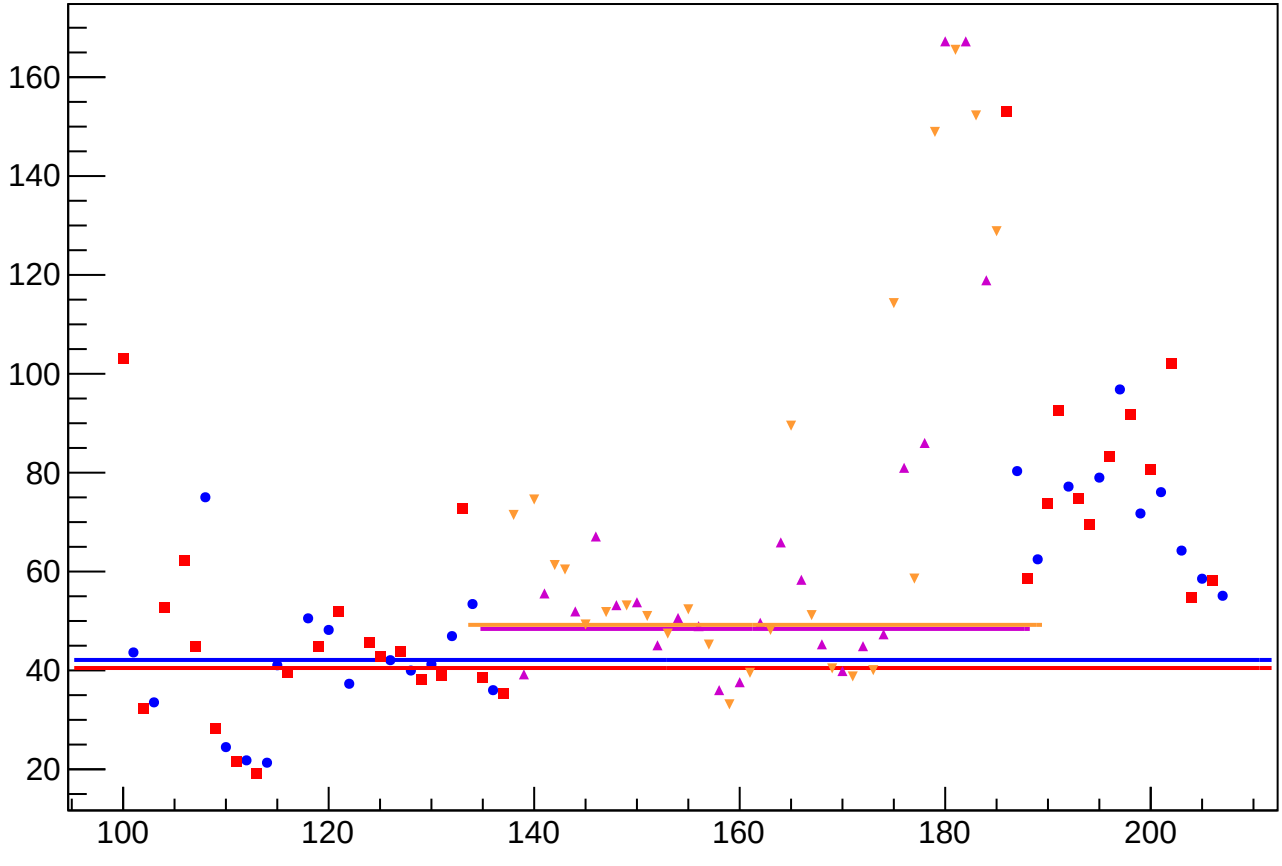
Right: -0.002+/-0.008 χ^2/NDF: 59.3/56

In: 0.010+/-0.009 χ^2/NDF:57.2/48

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: -0.000+/-0.006 χ^2/NDF: 115.9/104

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.119+/-0.009 χ^2/NDF: 4221829.8/25

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

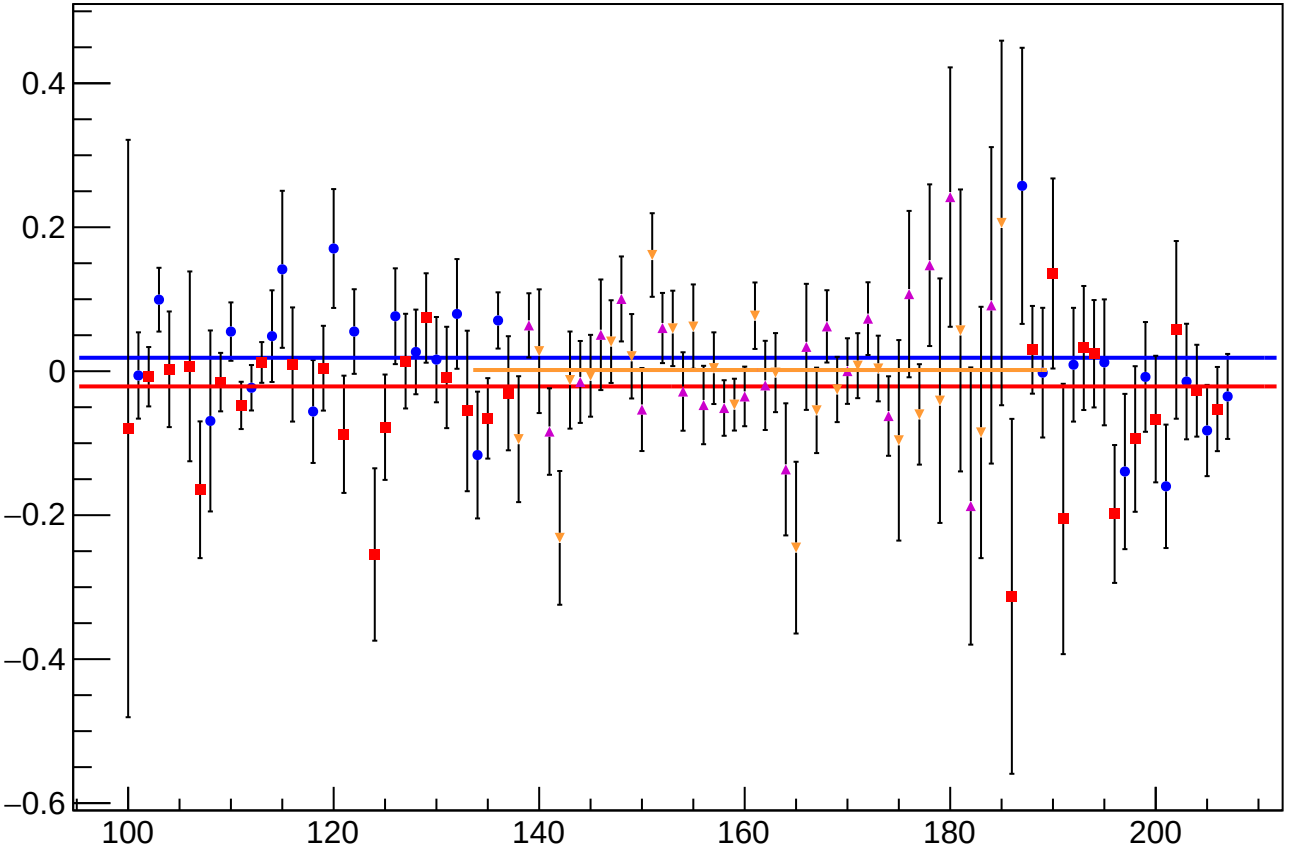
Right: 41.261+/-0.006 χ^2/NDF: 10307426.0/56

In: 45.215+/-0.006 χ^2/NDF:7515642.7/48

Out: 44.597+/-0.006 χ^2/NDF:10771815.7/55

All: 44.897+/-0.004 χ^2/NDF: 18292659.1/104

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.012 χ^2/NDF: 30.2/25

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

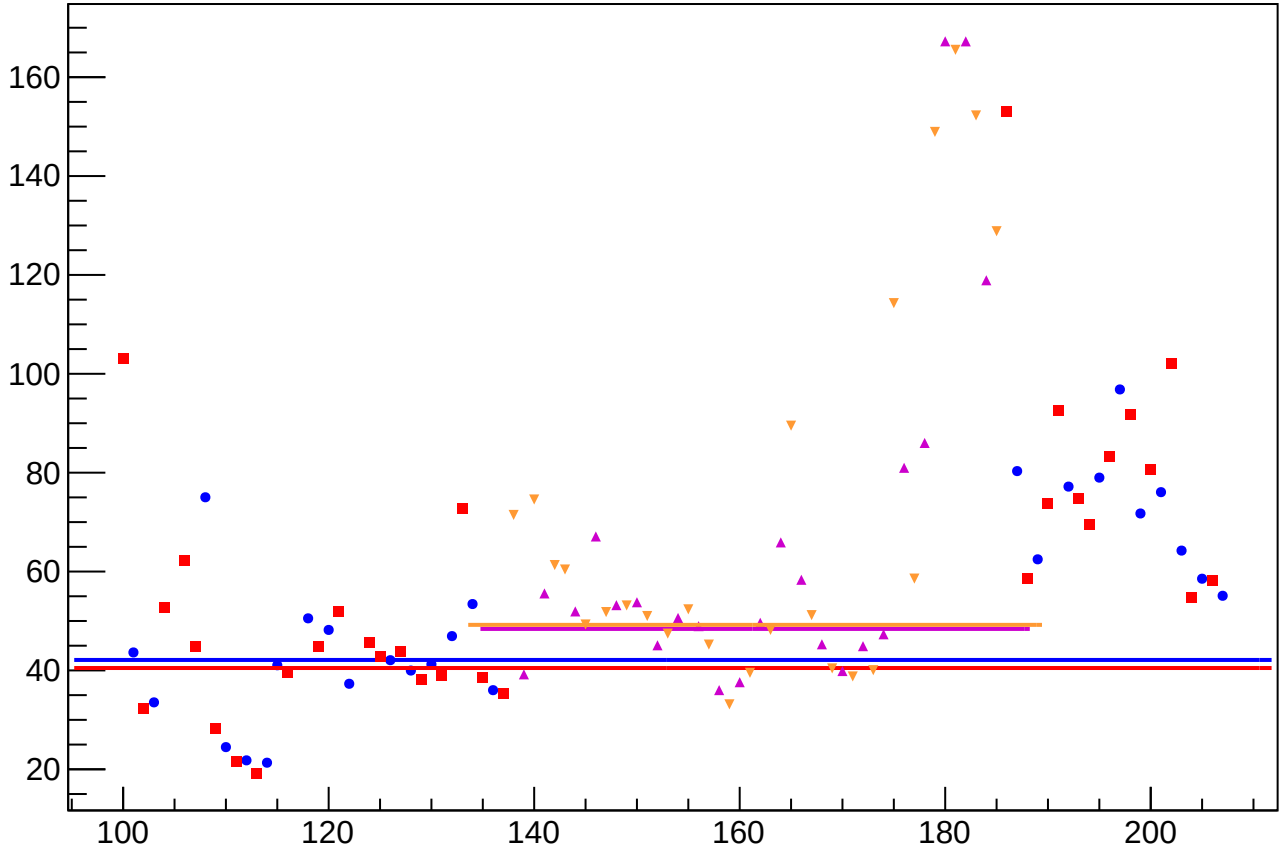
Right: -0.002+/-0.008 χ^2/NDF: 59.3/56

In: 0.010+/-0.009 χ^2/NDF:57.2/48

Out: -0.010+/-0.008 χ^2/NDF:55.8/55

All: -0.000+/-0.006 χ^2/NDF: 115.9/104

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.119+/-0.009 χ^2/NDF: 4221829.8/25

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

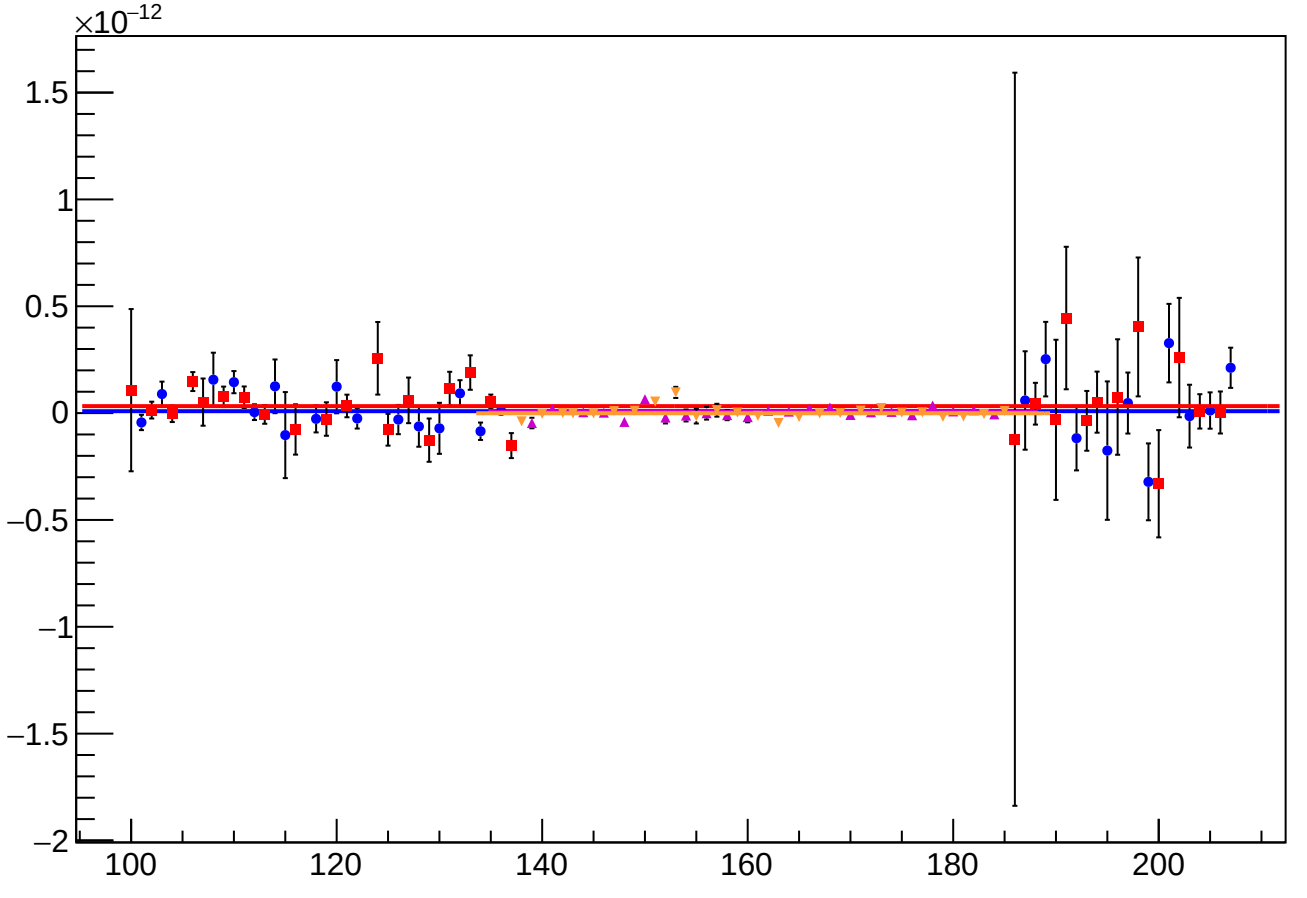
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 41.261+/-0.006 χ^2/NDF: 10307426.0/56

In: 45.215+/-0.006 χ^2/NDF:7515642.7/48

Out: 44.597+/-0.006 χ^2/NDF:10771815.7/55

All: 44.897+/-0.004 χ^2/NDF: 18292659.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/25

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

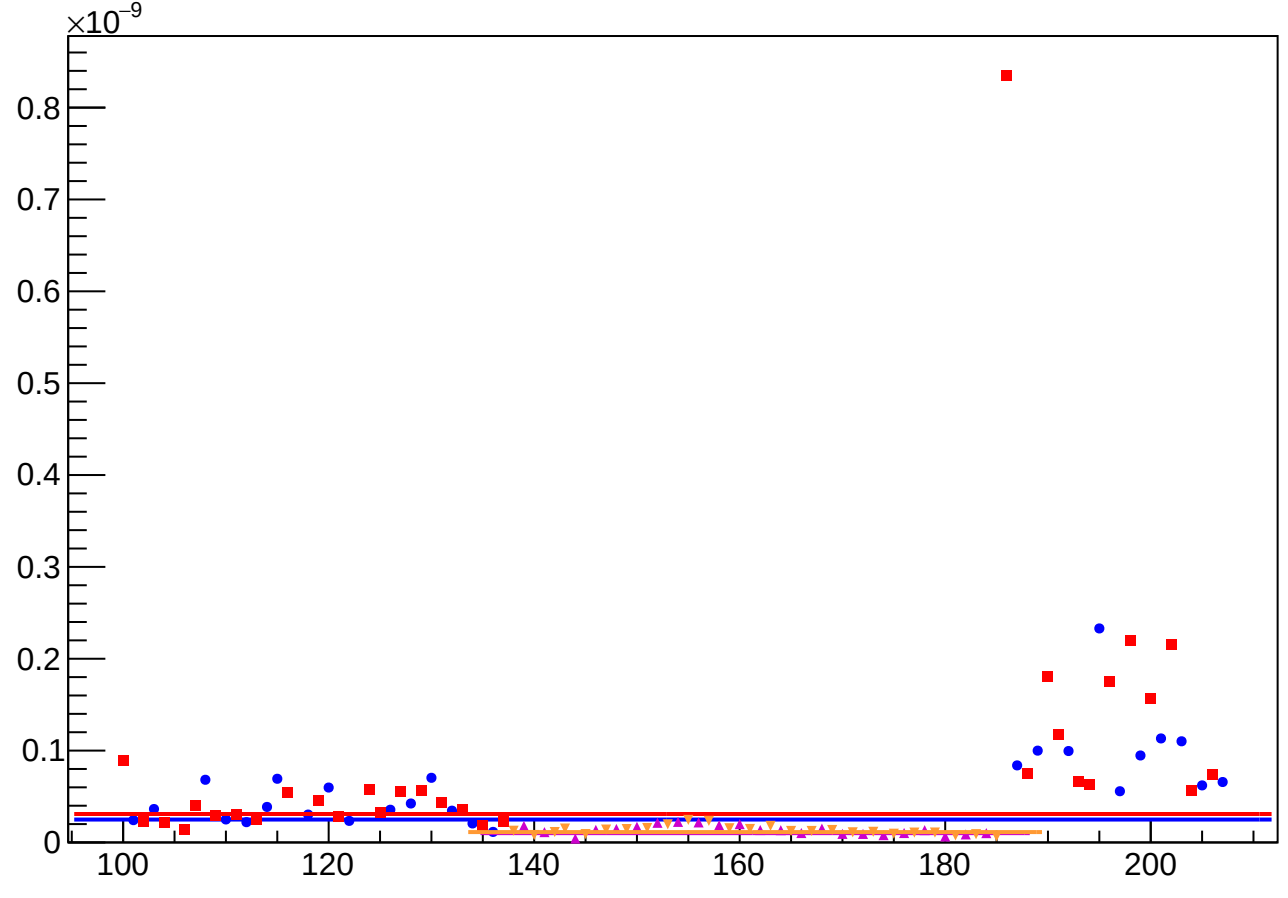
Right: 0.000+/-0.000 χ^2/NDF: 79.4/56

In: 0.000+/-0.000 χ^2/NDF:66.3/48

Out: 0.000+/-0.000 χ^2/NDF:83.2/55

All: 0.000+/-0.000 χ^2/NDF: 150.5/104

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6402572.2/25

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

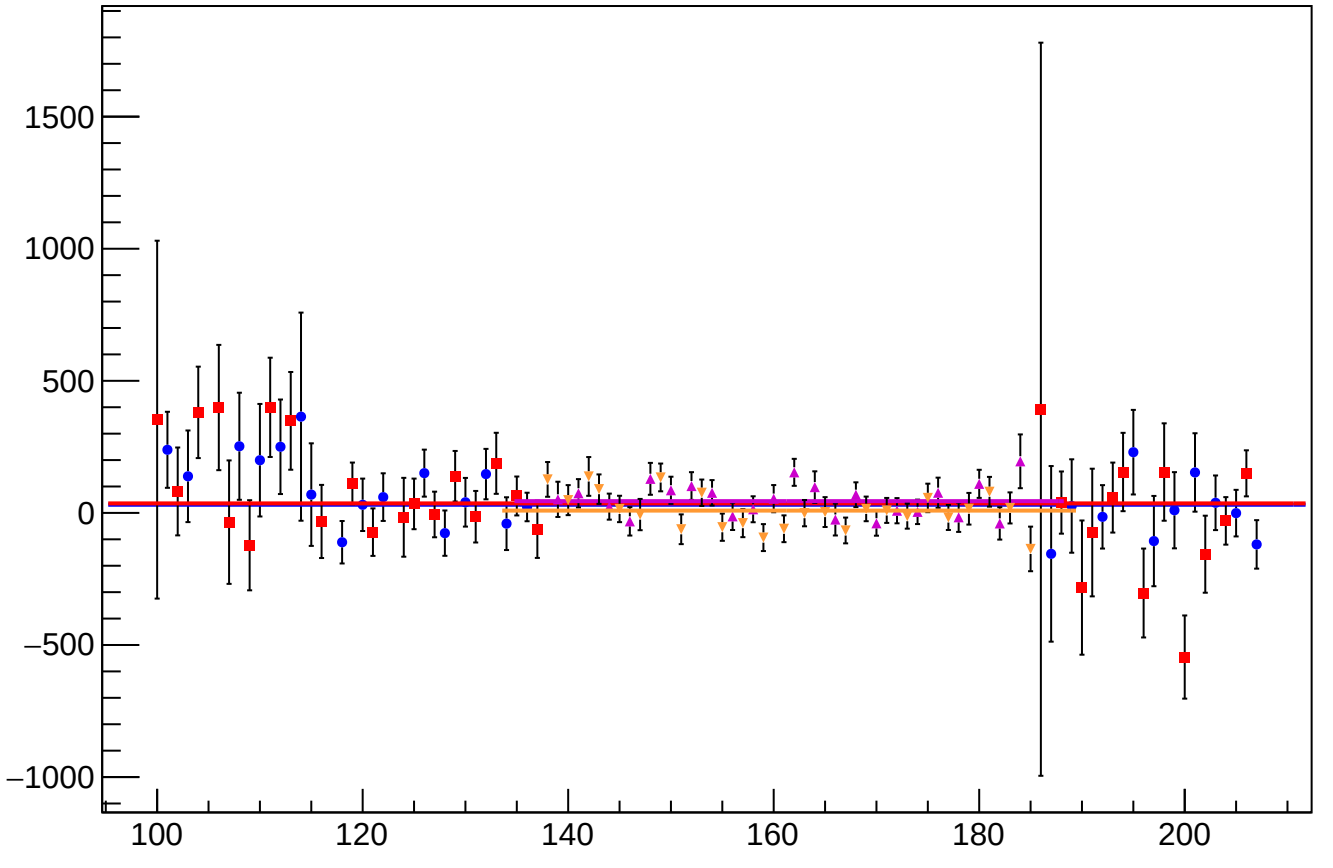
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12851268.7/56

In: 0.000+/-0.000 χ^2/NDF:13733856.7/48

Out: 0.000+/-0.000 χ^2/NDF:13035821.8/55

All: 0.000+/-0.000 χ^2/NDF: 26939902.9/104



Right In: 30.872+/-21.705 χ^2/NDF: 21.3/25

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

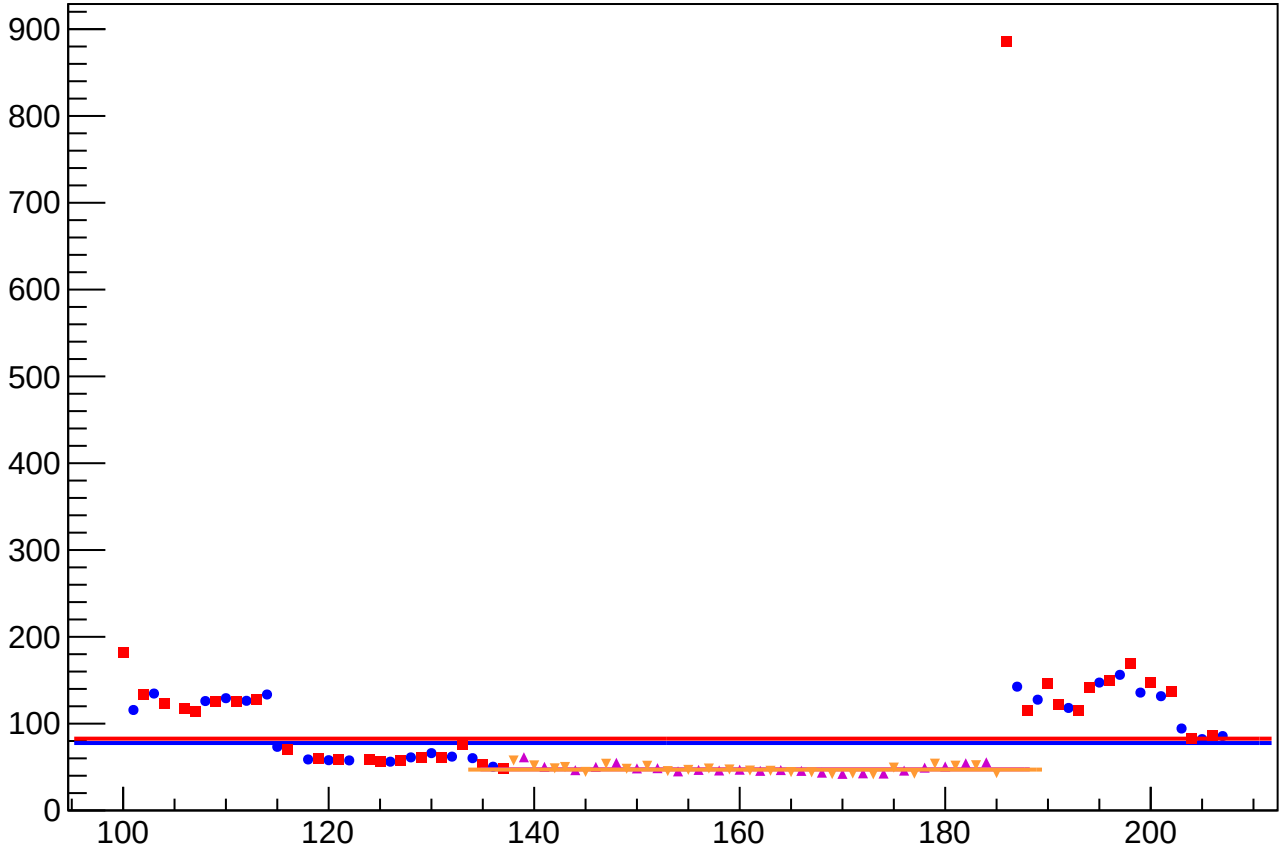
Right: 33.361+/-15.579 χ^2/NDF: 67.3/56

In: 41.688+/-9.917 χ^2/NDF:48.7/48

Out: 13.882+/-9.704 χ^2/NDF:81.7/55

All: 27.483+/-6.936 χ^2/NDF: 134.4/104

reg_asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 77.666+/-0.015 χ^2/NDF: 3838426.1/25

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

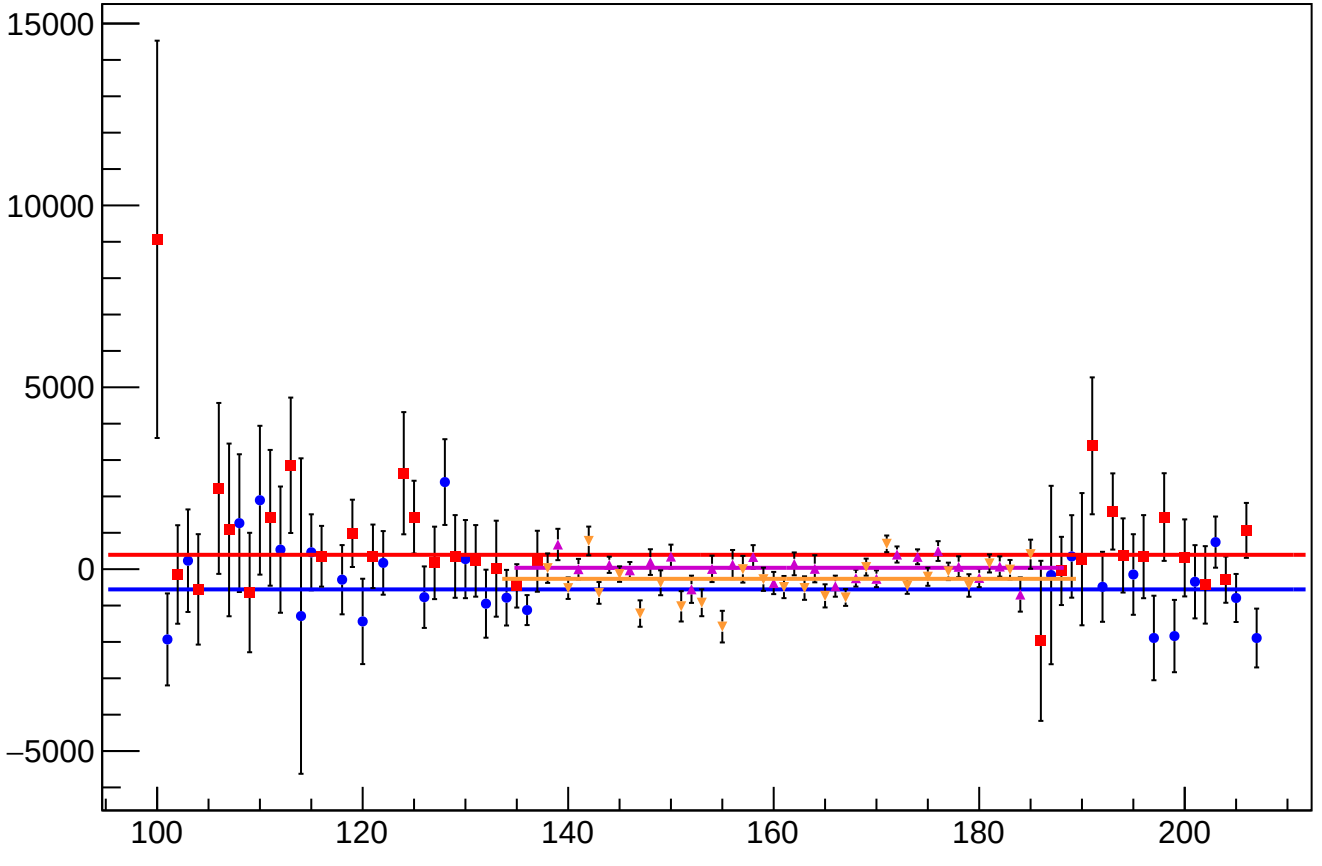
Right: 80.114+/-0.011 χ^2/NDF: 8877885.7/56

In: 53.705+/-0.007 χ^2/NDF:7189908.7/48

Out: 53.771+/-0.007 χ^2/NDF:9397499.3/55

All: 53.739+/-0.005 χ^2/NDF: 16587452.4/104

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -556.046+/-184.948 χ^2/NDF: 25.8/25

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

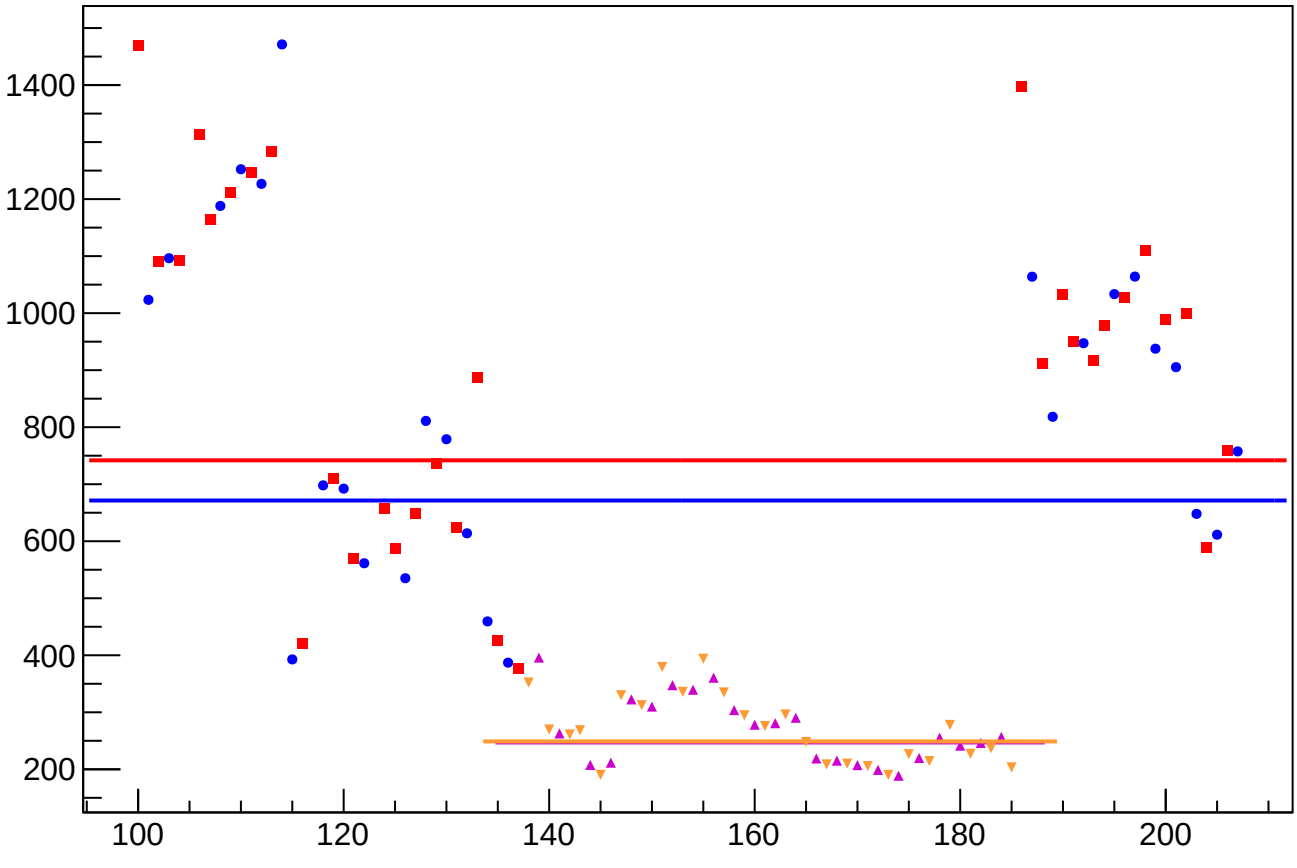
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -104.189+/-133.982 χ^2/NDF: 58.6/56

In: -17.566+/-56.347 χ^2/NDF:61.7/48

Out: -211.620+/-55.606 χ^2/NDF:100.6/55

All: -115.878+/-39.579 χ^2/NDF: 168.4/104



Right In: 671.432+/-0.131 χ^2/NDF: 3293108.9/25

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

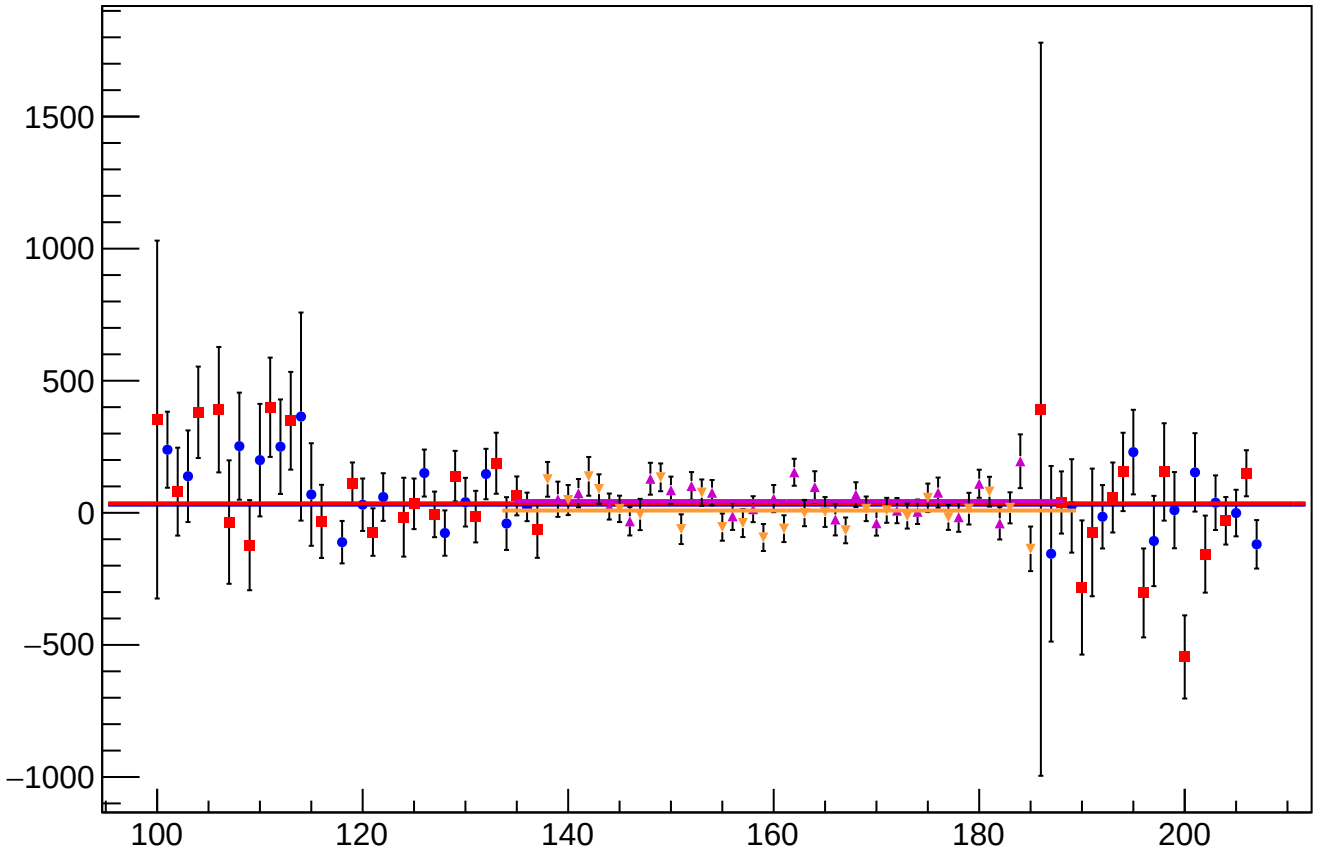
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 704.912+/-0.095 χ^2/NDF: 6943820.8/56

In: 286.495+/-0.040 χ^2/NDF:14327818.4/48

Out: 289.243+/-0.039 χ^2/NDF:16991142.9/55

All: 287.887+/-0.028 χ^2/NDF: 31321372.5/10



Right In: 30.864+/-21.705 χ^2/NDF: 21.3/25

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

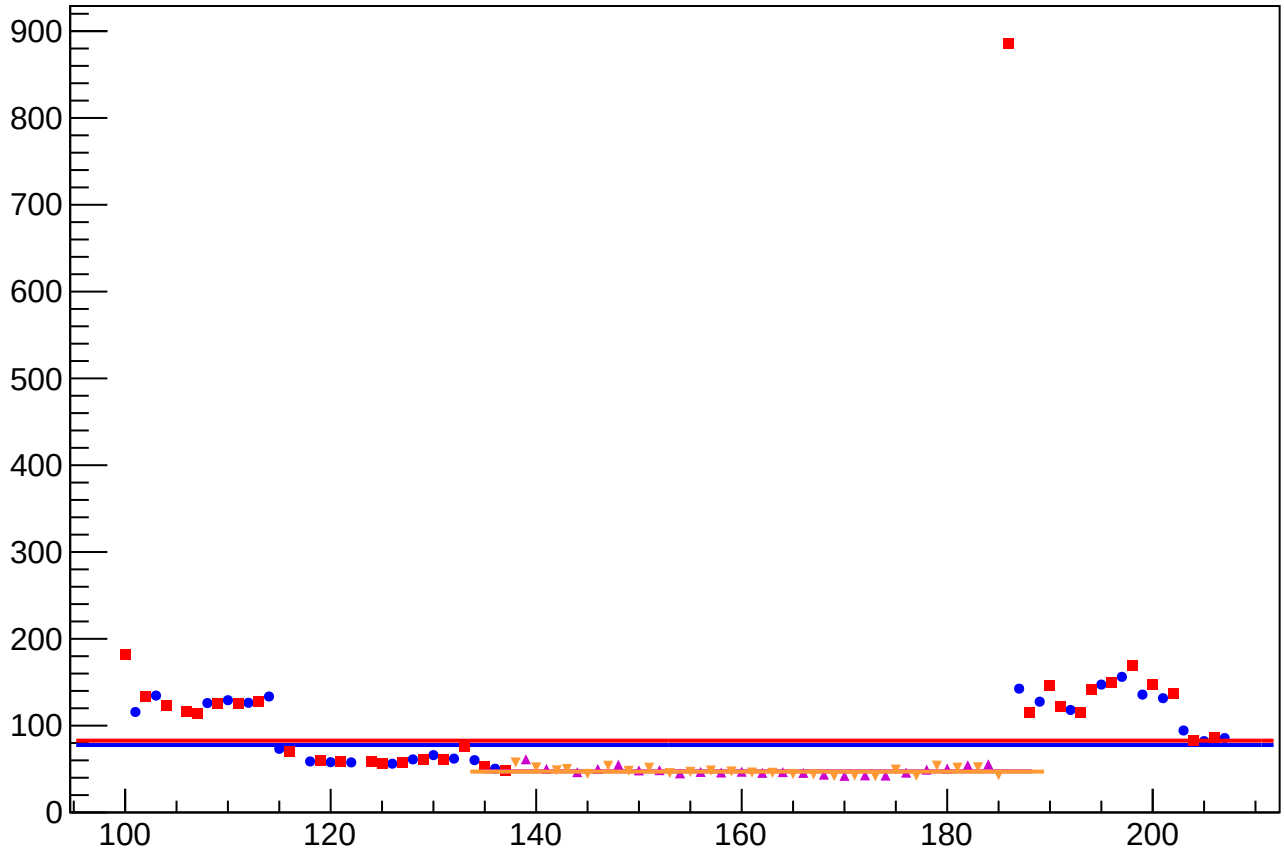
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 33.308+/-15.579 χ^2/NDF: 67.1/56

In: 41.685+/-9.917 χ^2/NDF:48.7/48

Out: 13.864+/-9.704 χ^2/NDF:81.6/55

All: 27.473+/-6.936 χ^2/NDF: 134.2/104



Right In: 77.666+/-0.015 χ^2/NDF: 3838428.4/25

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

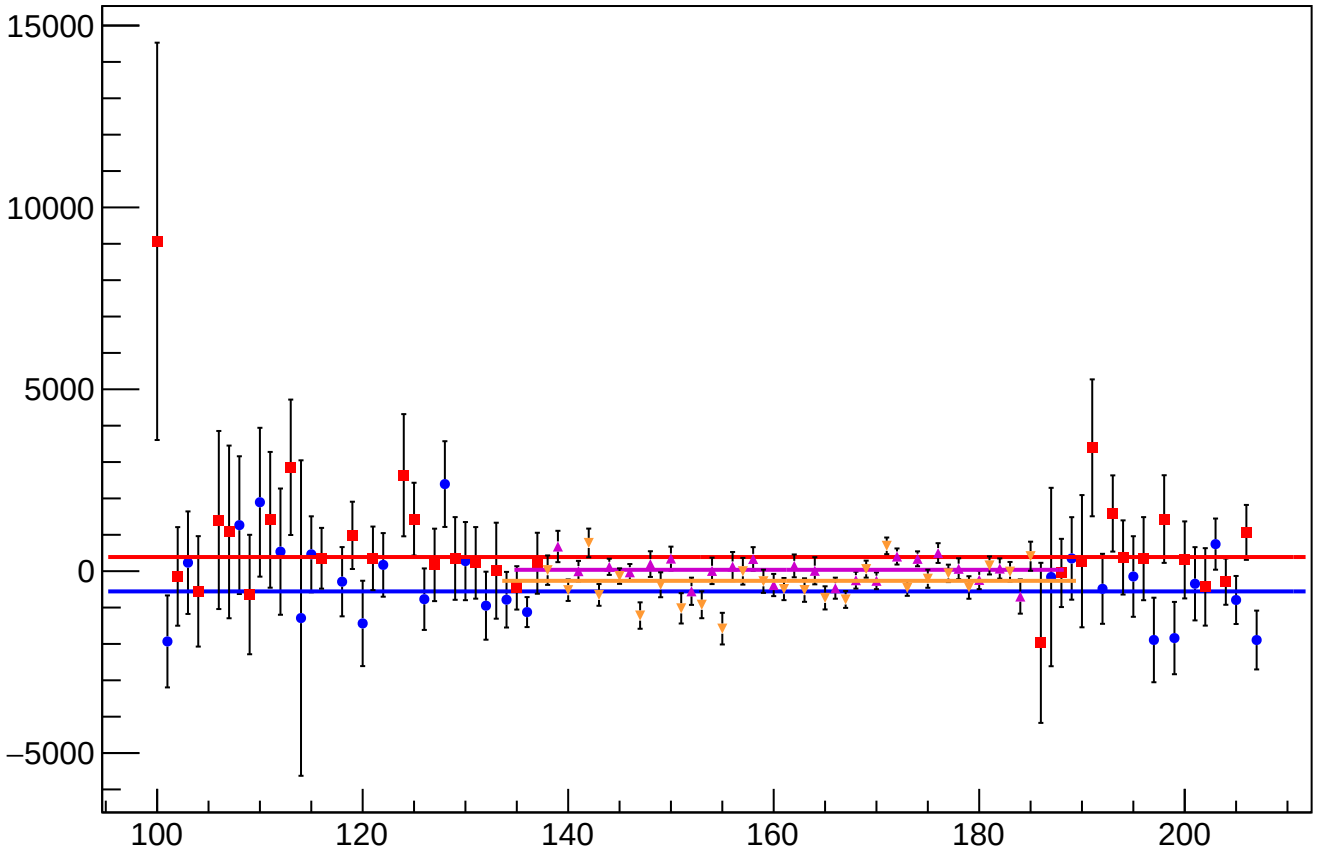
Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

Right: 80.110+/-0.011 χ^2/NDF: 8875438.9/56

In: 53.705+/-0.007 χ^2/NDF:7189910.8/48

Out: 53.769+/-0.007 χ^2/NDF:9392935.3/55

All: 53.738+/-0.005 χ^2/NDF: 16582887.8/104



Right In: -556.037+/-184.949 χ^2/NDF: 25.8/25

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

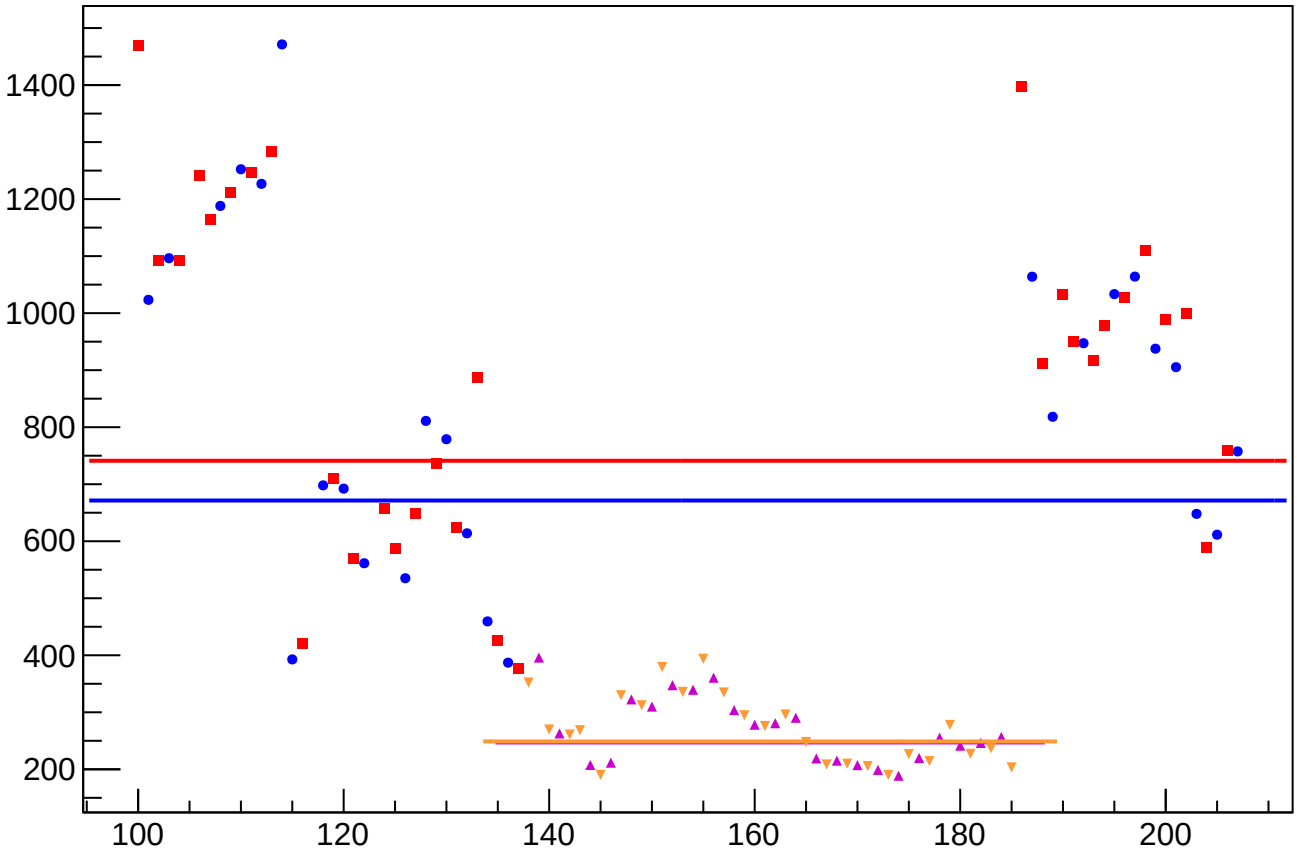
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -107.191+/-134.000 χ^2/NDF: 58.0/56

In: -17.568+/-56.347 χ^2/NDF:61.7/48

Out: -212.140+/-55.607 χ^2/NDF:100.0/55

All: -116.140+/-39.579 χ^2/NDF: 167.8/104



Right In: 671.432+/-0.131 χ^2/NDF: 3293148.3/25

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

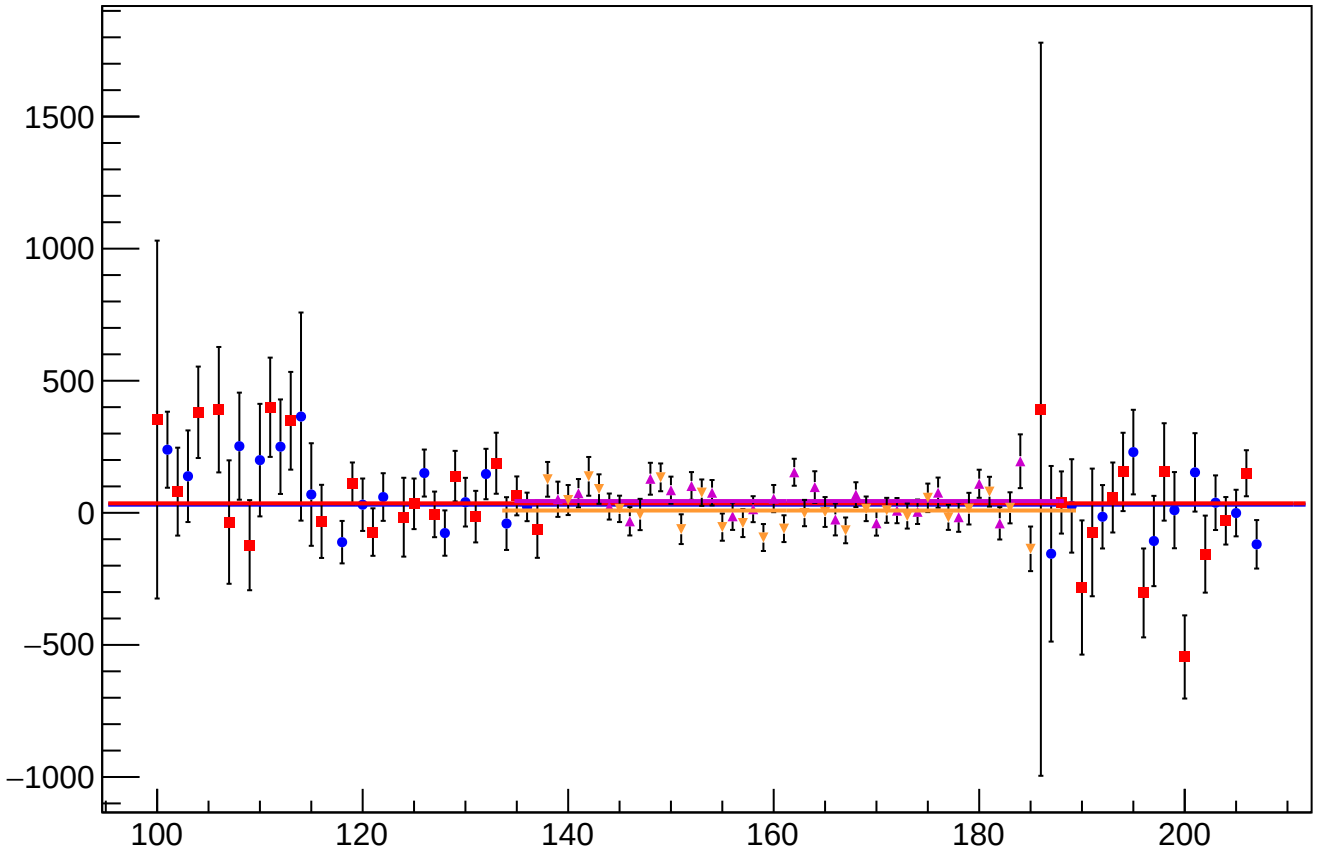
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 704.544+/-0.095 χ^2/NDF: 6906246.4/56

In: 286.495+/-0.040 χ^2/NDF:14327830.6/48

Out: 289.160+/-0.039 χ^2/NDF:16914214.0/55

All: 287.845+/-0.028 χ^2/NDF: 31244312.2/10



Right In: 30.864+/-21.705 χ^2/NDF: 21.3/25

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

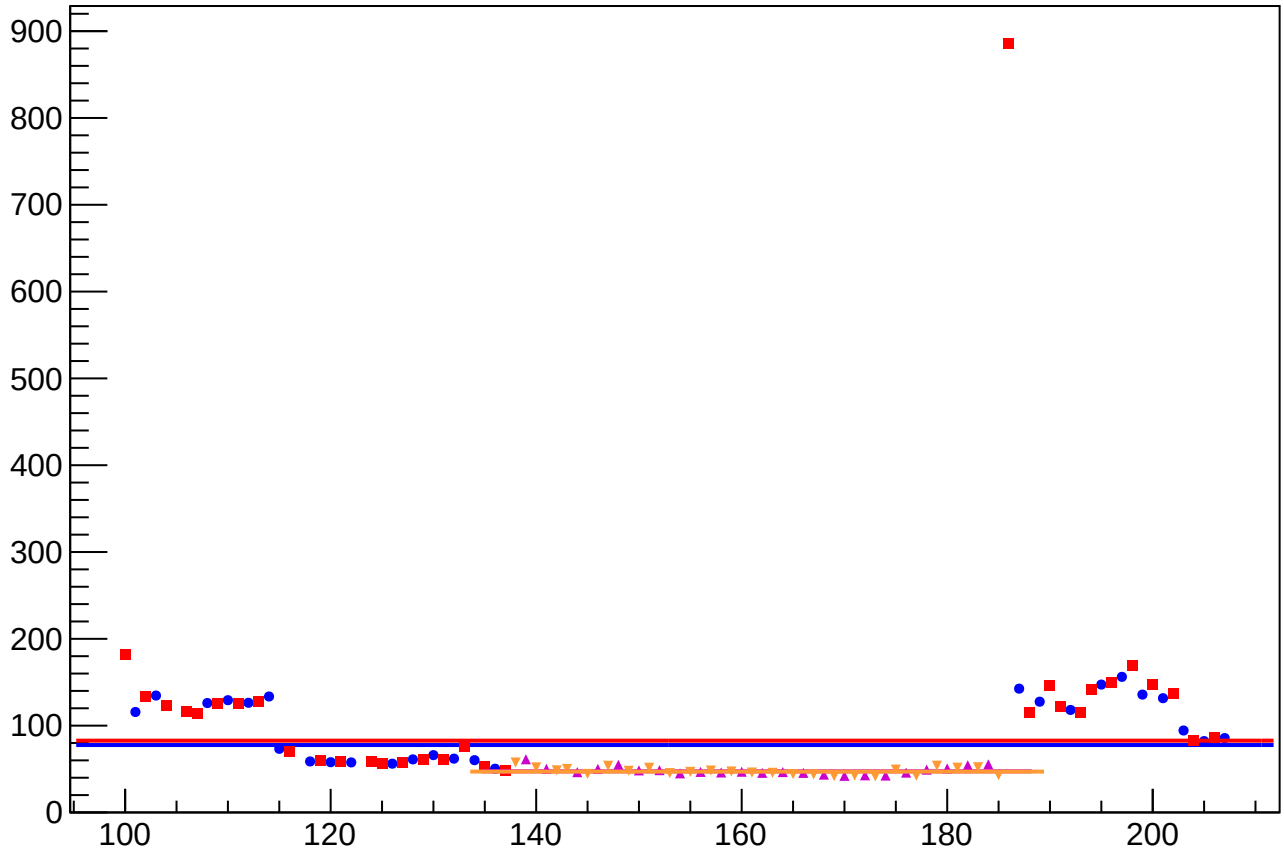
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 33.308+/-15.579 χ^2/NDF: 67.1/56

In: 41.685+/-9.917 χ^2/NDF:48.7/48

Out: 13.864+/-9.704 χ^2/NDF:81.6/55

All: 27.473+/-6.936 χ^2/NDF: 134.2/104



Right In: 77.666+/-0.015 χ^2/NDF: 3838428.4/25

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

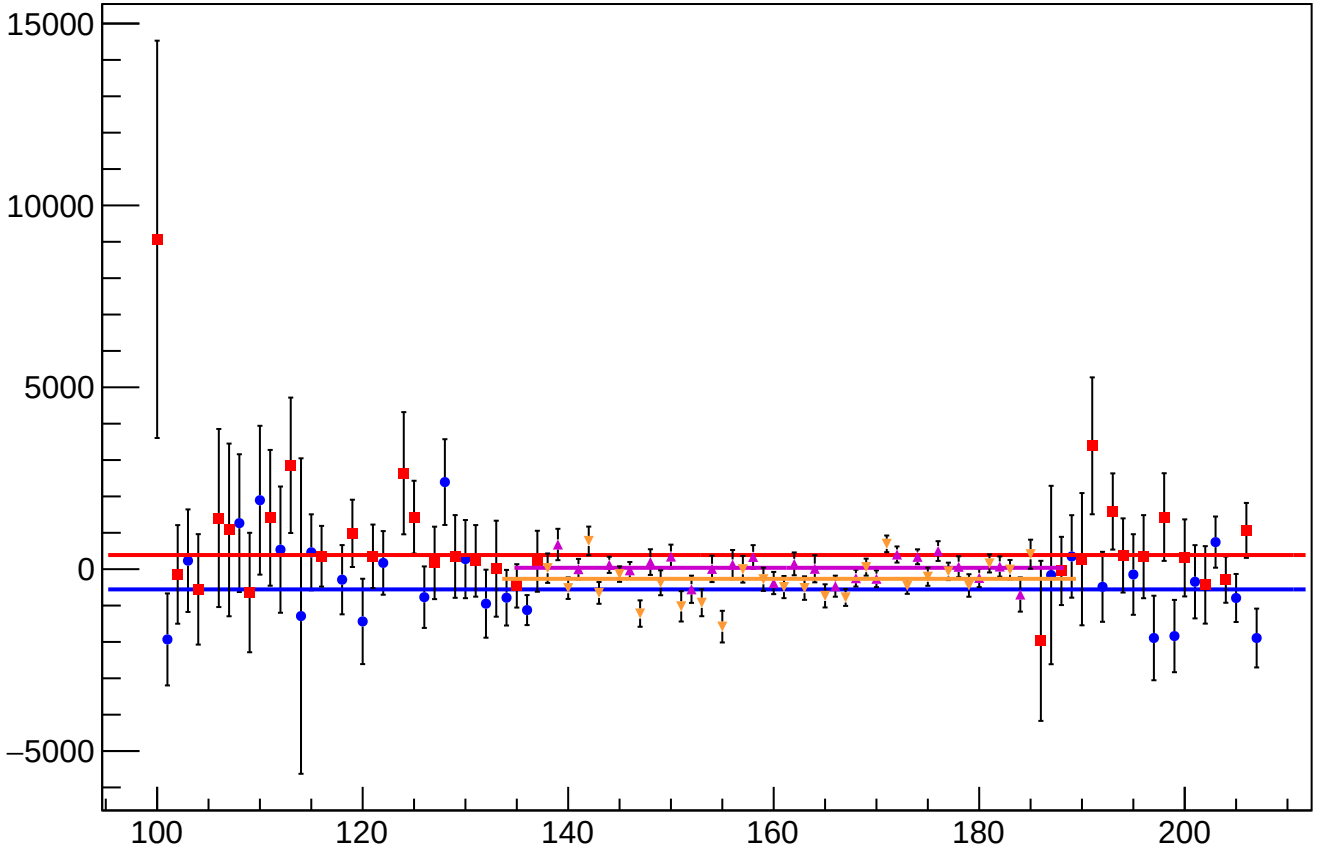
Right: 80.110+/-0.011 χ^2/NDF: 8875438.9/56

In: 53.705+/-0.007 χ^2/NDF:7189910.8/48

Out: 53.769+/-0.007 χ^2/NDF:9392935.3/55

All: 53.738+/-0.005 χ^2/NDF: 16582887.8/104

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -556.037+/-184.949 χ^2/NDF: 25.8/25

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

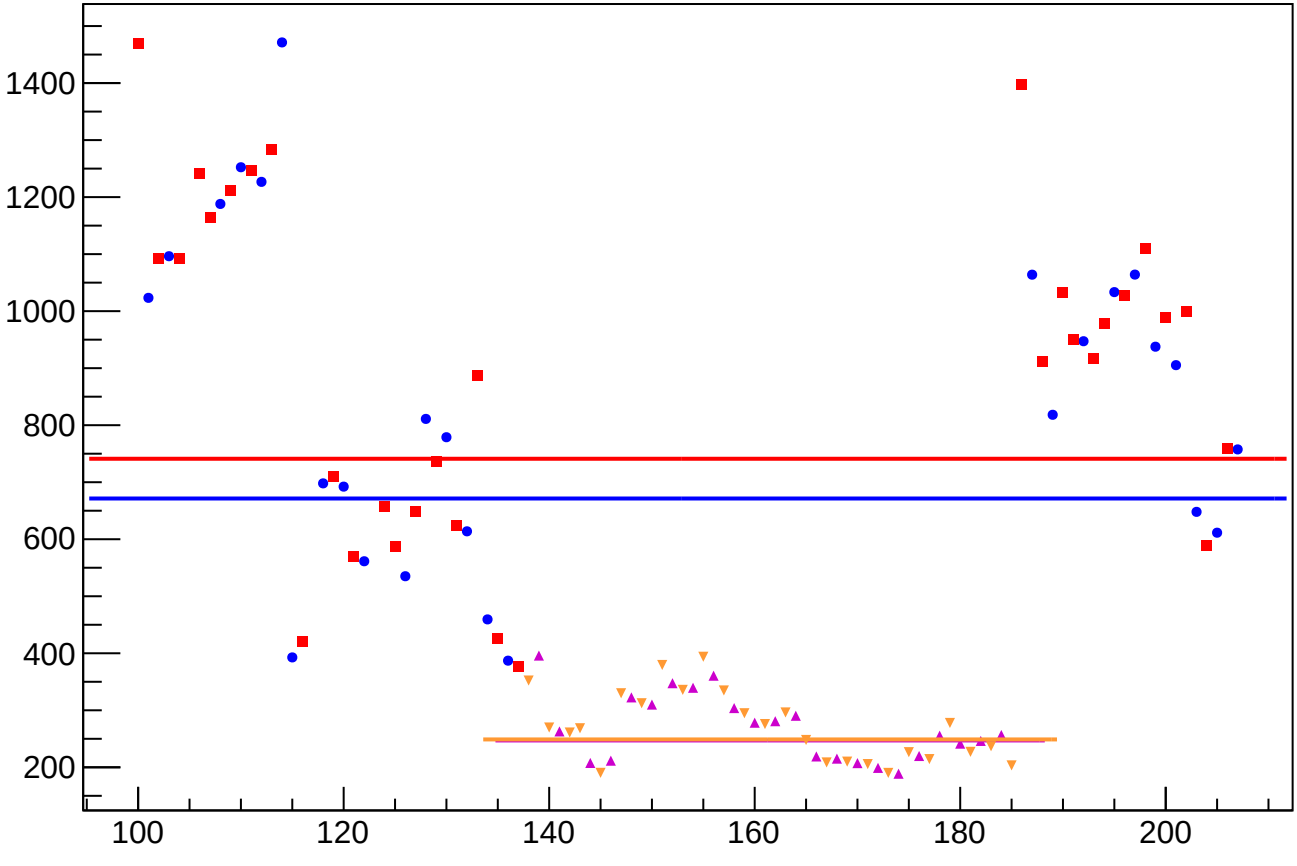
Right: -107.191+/-134.000 χ^2/NDF: 58.0/56

In: -17.568+/-56.347 χ^2/NDF:61.7/48

Out: -212.140+/-55.607 χ^2/NDF:100.0/55

All: -116.140+/-39.579 χ^2/NDF: 167.8/104

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 671.432+/-0.131 χ^2/NDF: 3293148.3/25

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

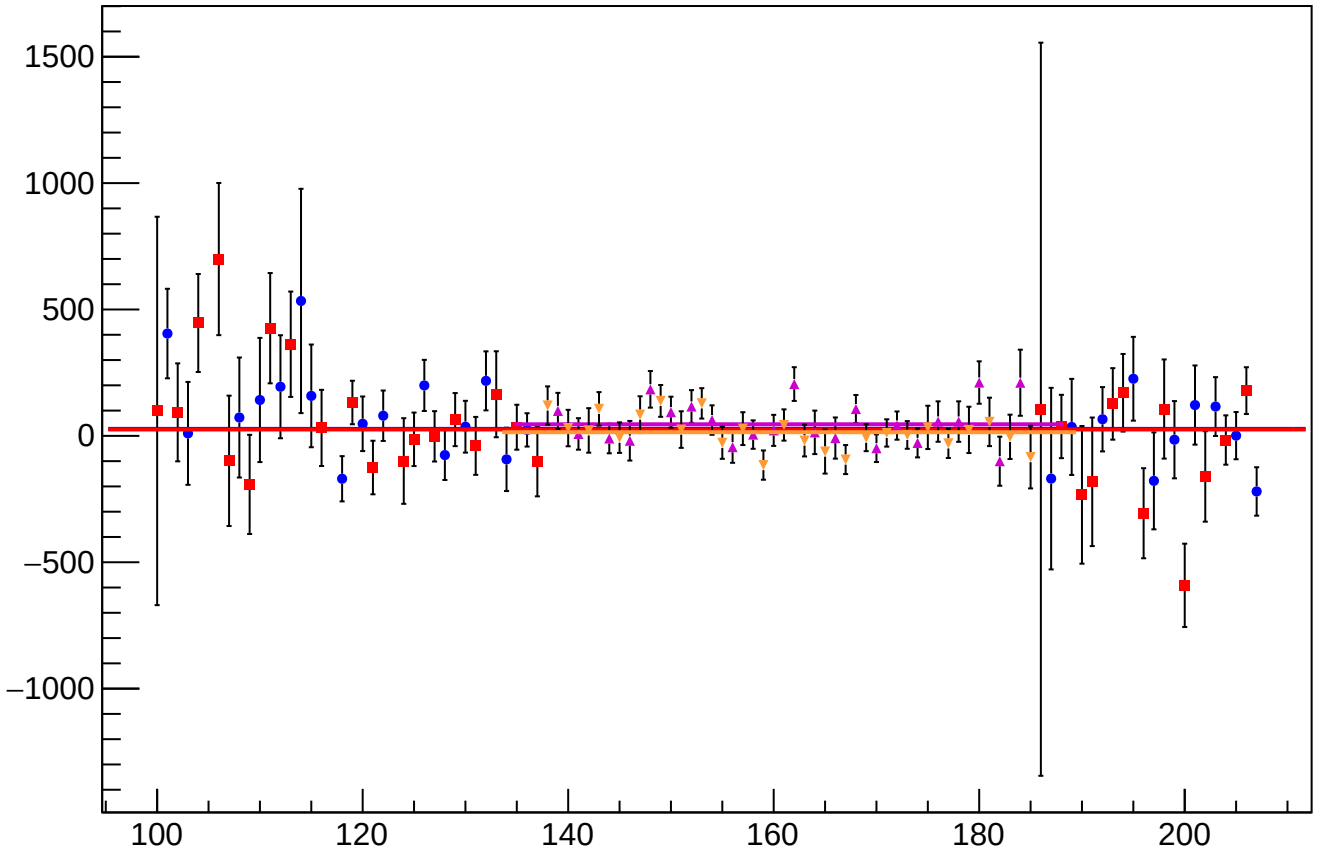
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 704.544+/-0.095 χ^2/NDF: 6906246.4/56

In: 286.495+/-0.040 χ^2/NDF:14327830.6/48

Out: 289.160+/-0.039 χ^2/NDF:16914214.0/55

All: 287.845+/-0.028 χ^2/NDF: 31244312.2/10



Right In: 27.599+/-24.547 χ^2/NDF: 30.7/25

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

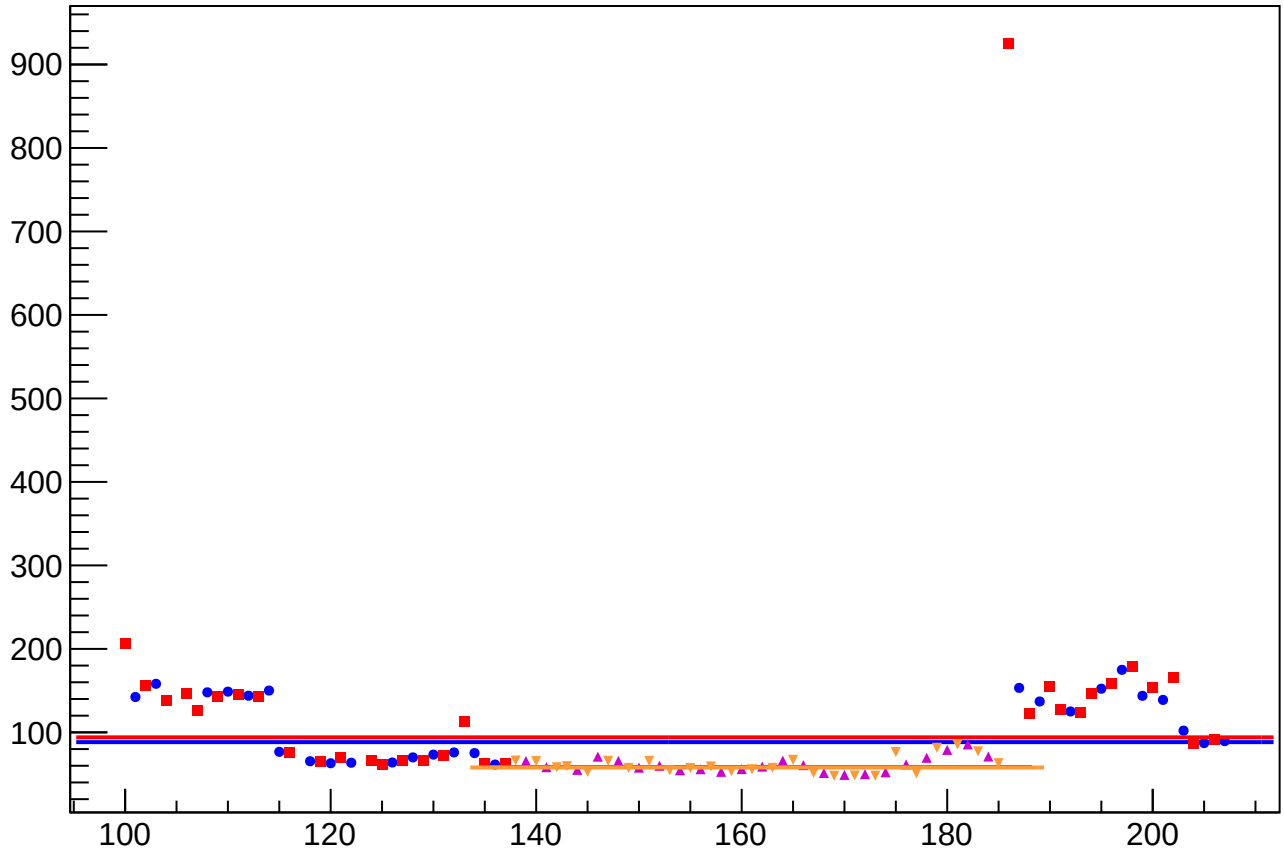
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 26.507+/-17.632 χ^2/NDF: 78.9/56

In: 41.370+/-12.116 χ^2/NDF:61.8/48

Out: 16.883+/-11.883 χ^2/NDF:72.9/55

All: 28.889+/-8.484 χ^2/NDF: 136.8/104



Right In: 88.302+/-0.017 χ^2/NDF: 3399758.7/25

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

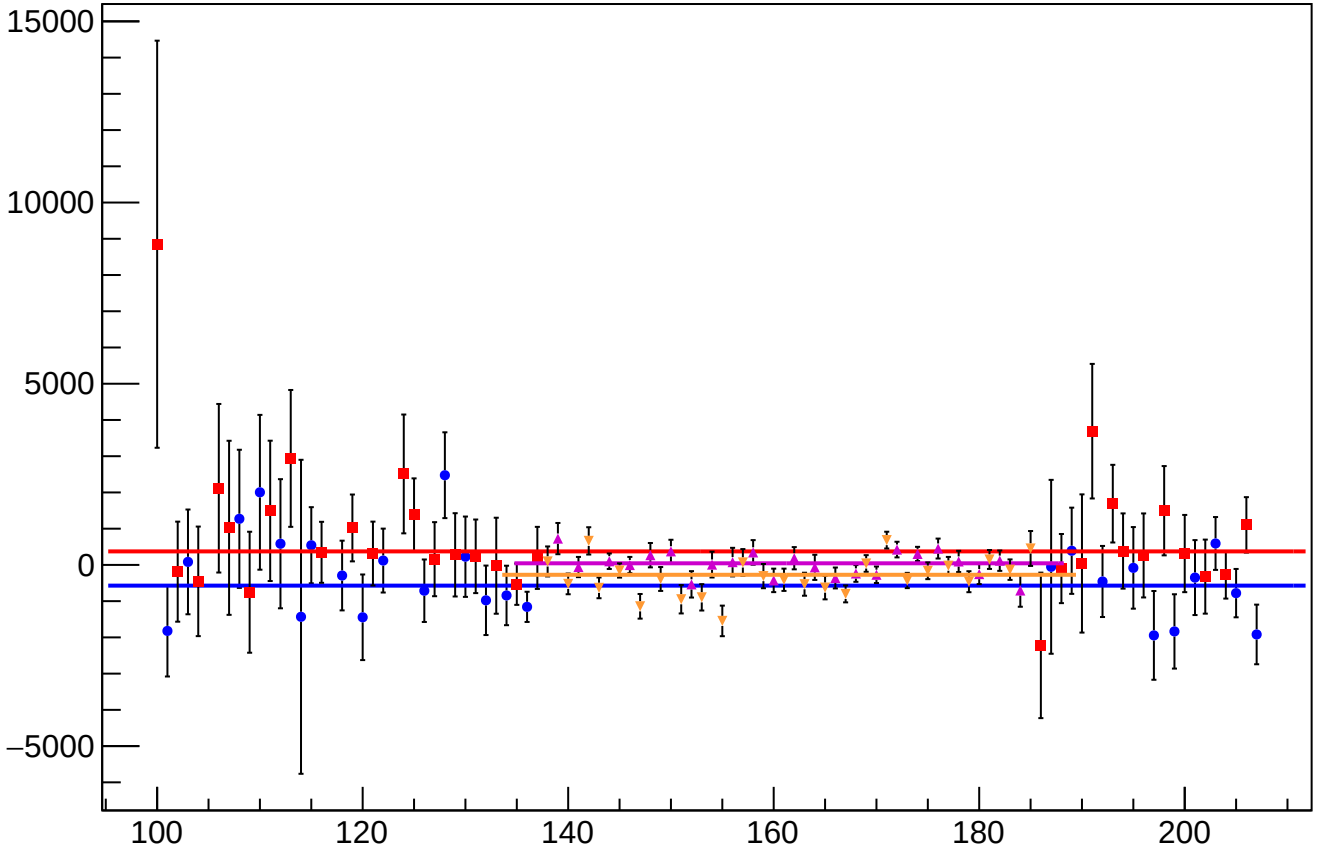
Right: 91.074+/-0.012 χ^2/NDF: 8013714.6/56

In: 65.745+/-0.009 χ^2/NDF:6282550.9/48

Out: 65.894+/-0.008 χ^2/NDF:8617521.6/55

All: 65.821+/-0.006 χ^2/NDF: 14900228.2/104

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -571.688+/-188.862 χ^2/NDF: 24.9/25

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

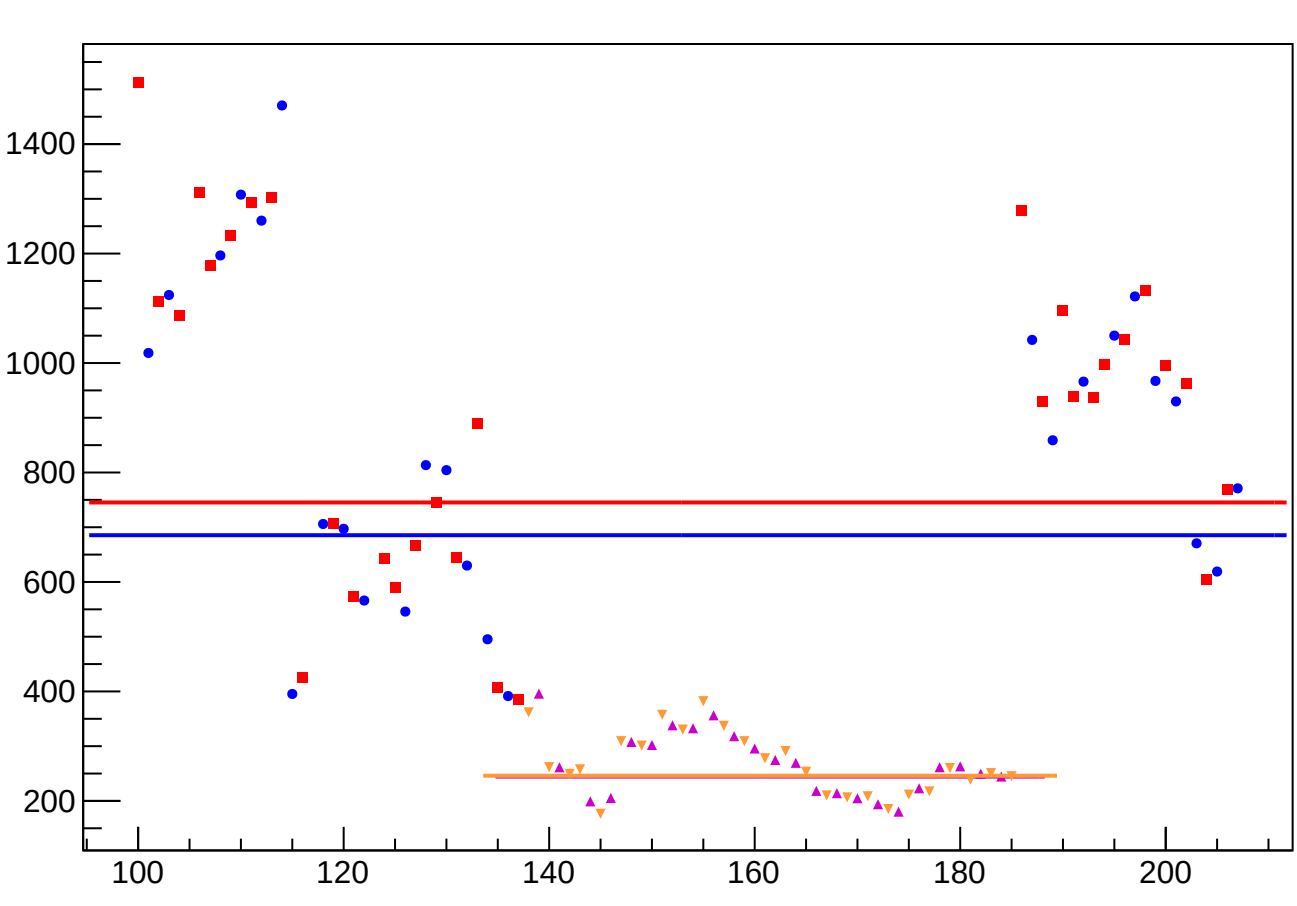
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -115.552+/-135.829 χ^2/NDF: 58.8/56

In: -9.589+/-55.980 χ^2/NDF:61.1/48

Out: -221.473+/-54.964 χ^2/NDF:97.6/55

All: -117.472+/-39.220 χ^2/NDF: 166.0/104



Right In: 685.429+/-0.134 χ^2/NDF: 3329089.0/25

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

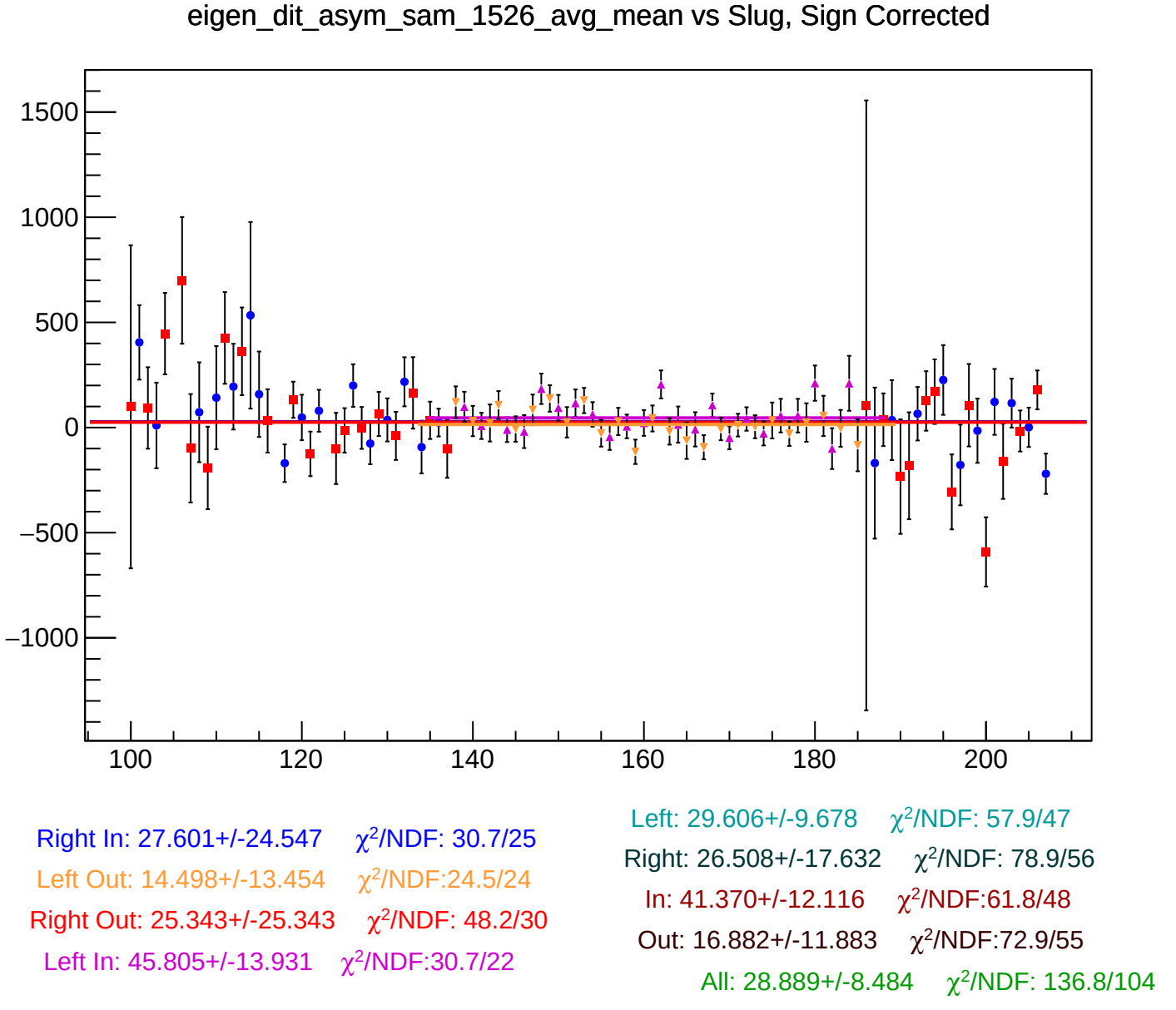
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

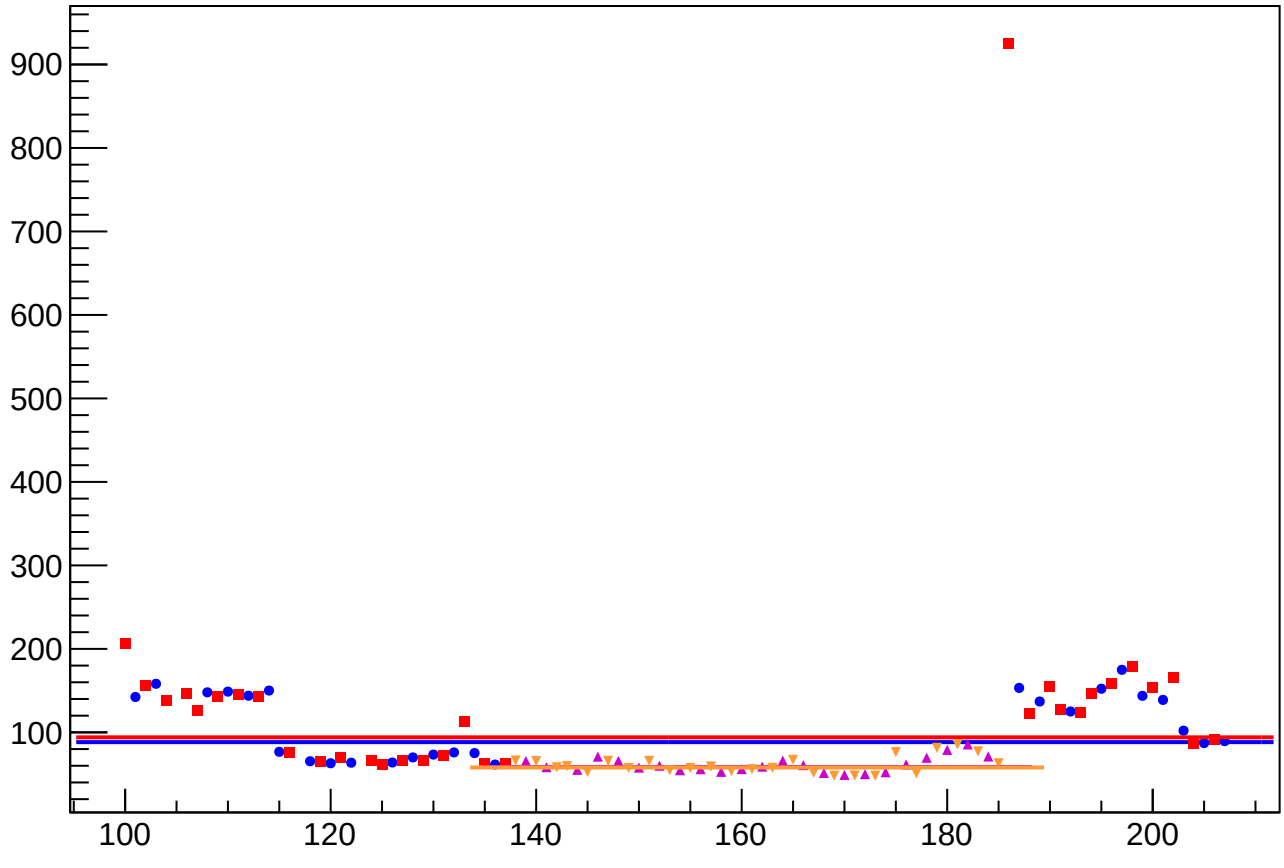
Right: 714.321+/-0.096 χ^2/NDF: 7041619.2/56

In: 283.194+/-0.040 χ^2/NDF:14871903.3/48

Out: 285.483+/-0.039 χ^2/NDF:17309459.6/55

All: 284.359+/-0.028 χ^2/NDF: 32183065.5/10


eigen_dit_asym_sam_1526_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 27.601+/-24.547 χ²/NDF: 30.7/25
Left Out: 14.498+/-13.454 χ²/NDF:24.5/24
Right Out: 25.343+/-25.343 χ²/NDF: 48.2/30
Left In: 45.805+/-13.931 χ²/NDF:30.7/22
Left: 29.606+/-9.678 χ²/NDF: 57.9/47
Right: 26.508+/-17.632 χ²/NDF: 78.9/56
In: 41.370+/-12.116 χ²/NDF:61.8/48
Out: 16.882+/-11.883 χ²/NDF:72.9/55
All: 28.889+/-8.484 χ²/NDF: 136.8/104



Right In: 88.301+/-0.017 χ^2/NDF: 3399761.2/25

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

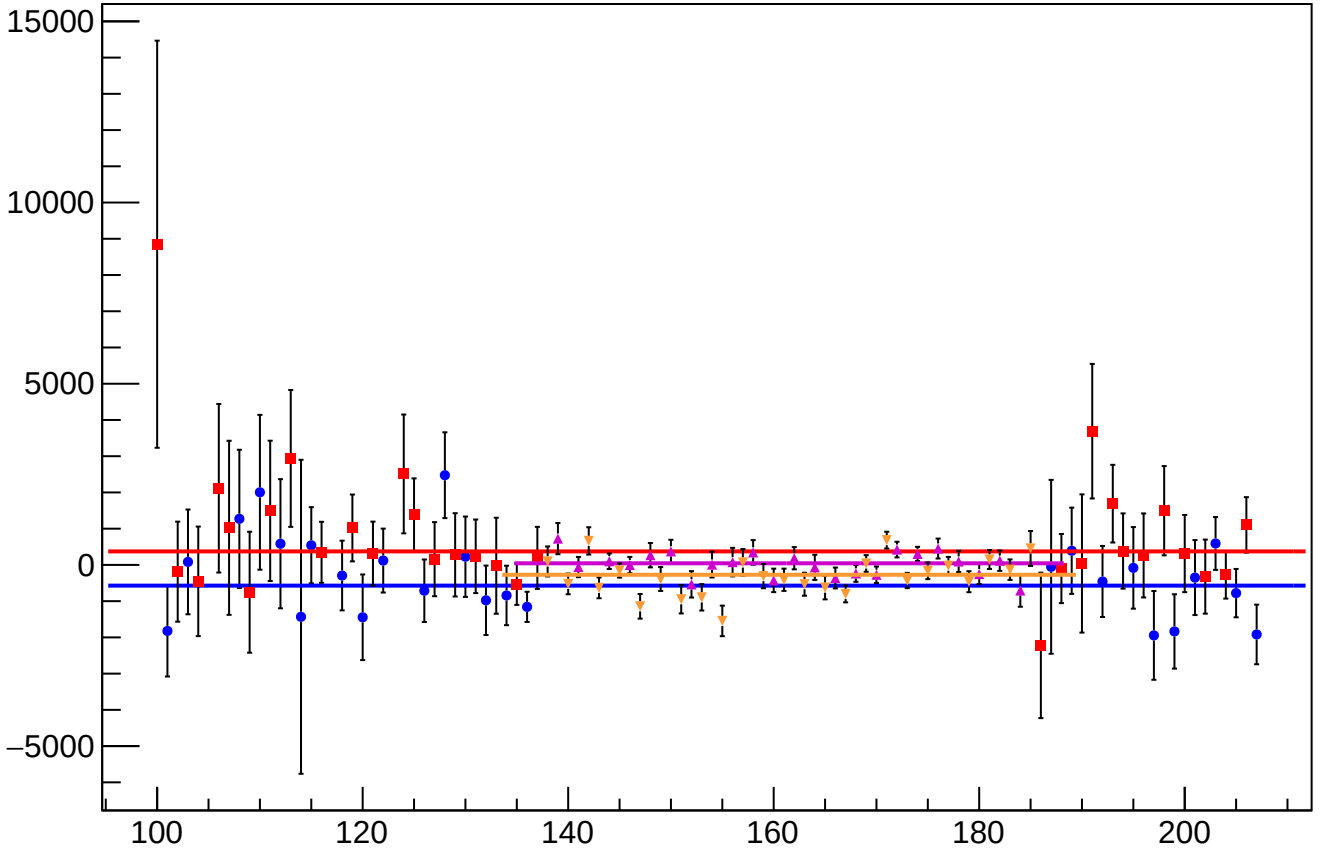
Right: 91.073+/-0.012 χ^2/NDF: 8013732.3/56

In: 65.745+/-0.009 χ^2/NDF:6282482.1/48

Out: 65.894+/-0.008 χ^2/NDF:8617489.2/55

All: 65.821+/-0.006 χ^2/NDF: 14900127.0/104

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -571.687+/-188.861 χ^2/NDF: 24.9/25

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

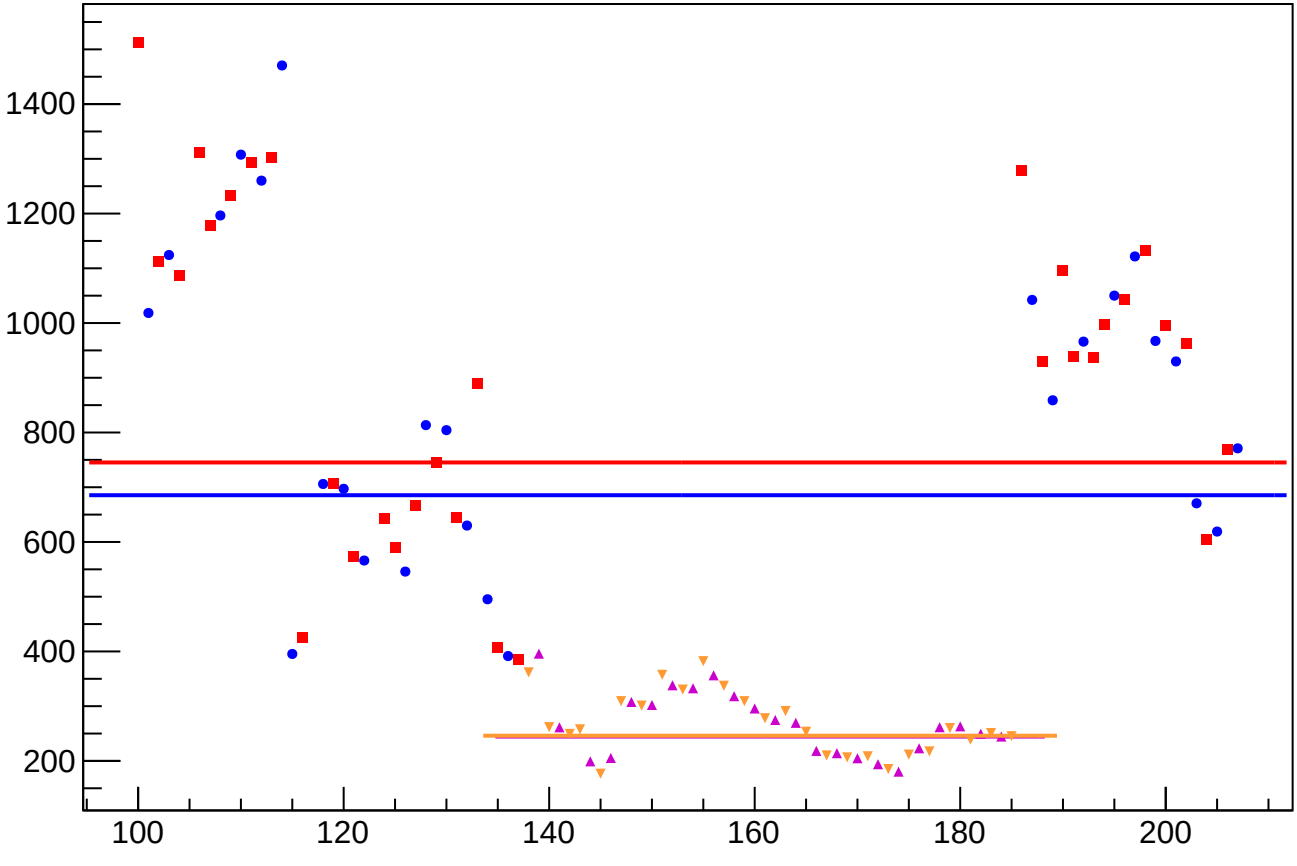
Right: -115.551+/-135.829 χ^2/NDF: 58.8/56

In: -9.589+/-55.980 χ^2/NDF:61.1/48

Out: -221.472+/-54.964 χ^2/NDF:97.6/55

All: -117.472+/-39.220 χ^2/NDF: 166.0/104

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 685.429+/-0.134 χ^2/NDF: 3329071.7/25

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

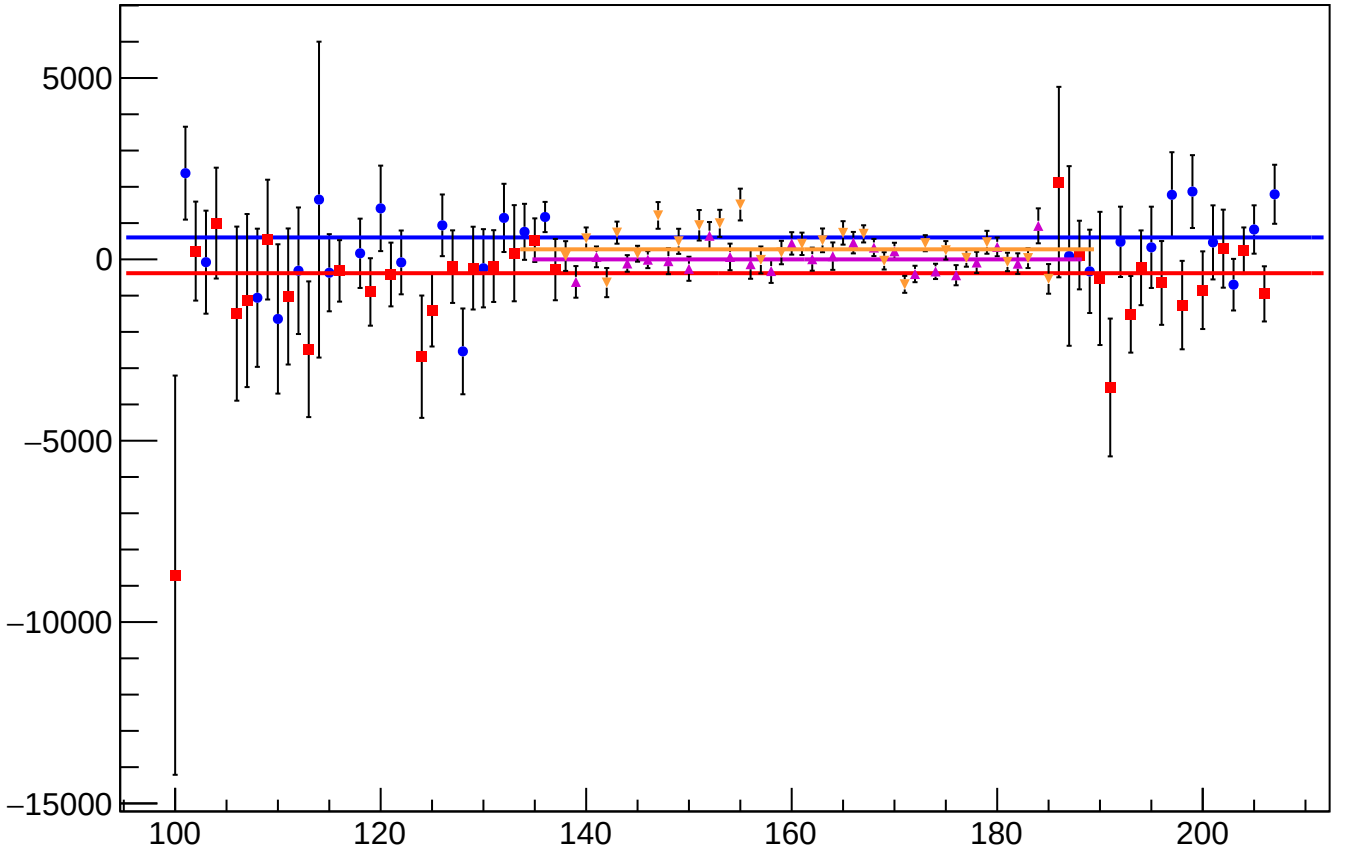
Right: 714.320+/-0.096 χ^2/NDF: 7041583.1/56

In: 283.193+/-0.040 χ^2/NDF:14871888.9/48

Out: 285.482+/-0.039 χ^2/NDF:17309467.7/55

All: 284.359+/-0.028 χ^2/NDF: 32183058.9/10

asym_sam_1526_avg_mean vs Slug, Sign Corrected



Right In: 604.673+/-186.633 χ^2/NDF: 25.6/25

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

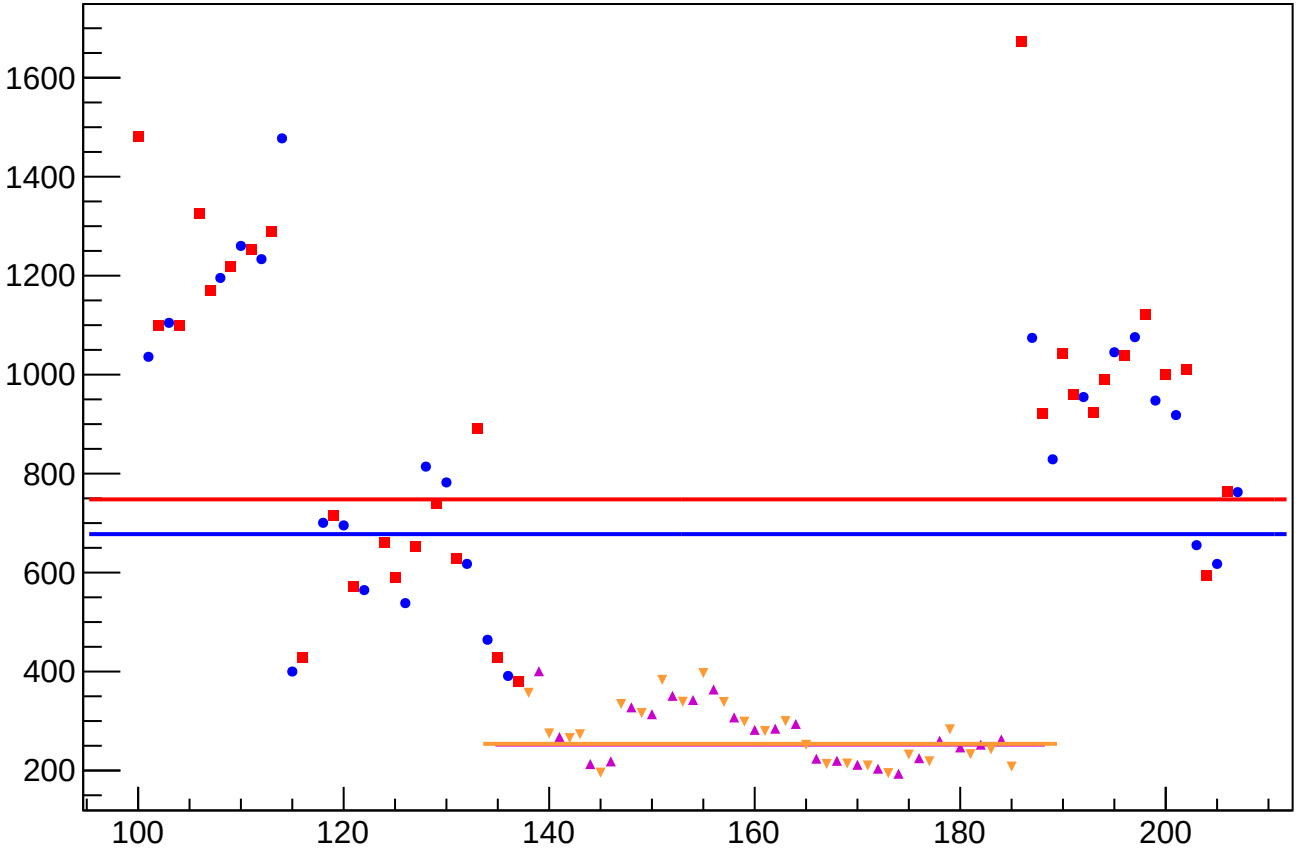
Right: 136.221+/-135.221 χ^2/NDF: 57.7/56

In: 56.749+/-57.428 χ^2/NDF:63.2/48

Out: 222.209+/-56.631 χ^2/NDF:93.3/55

All: 140.635+/-40.323 χ^2/NDF: 160.7/104

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 677.700+/-0.132 χ^2/NDF: 3282446.2/25

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

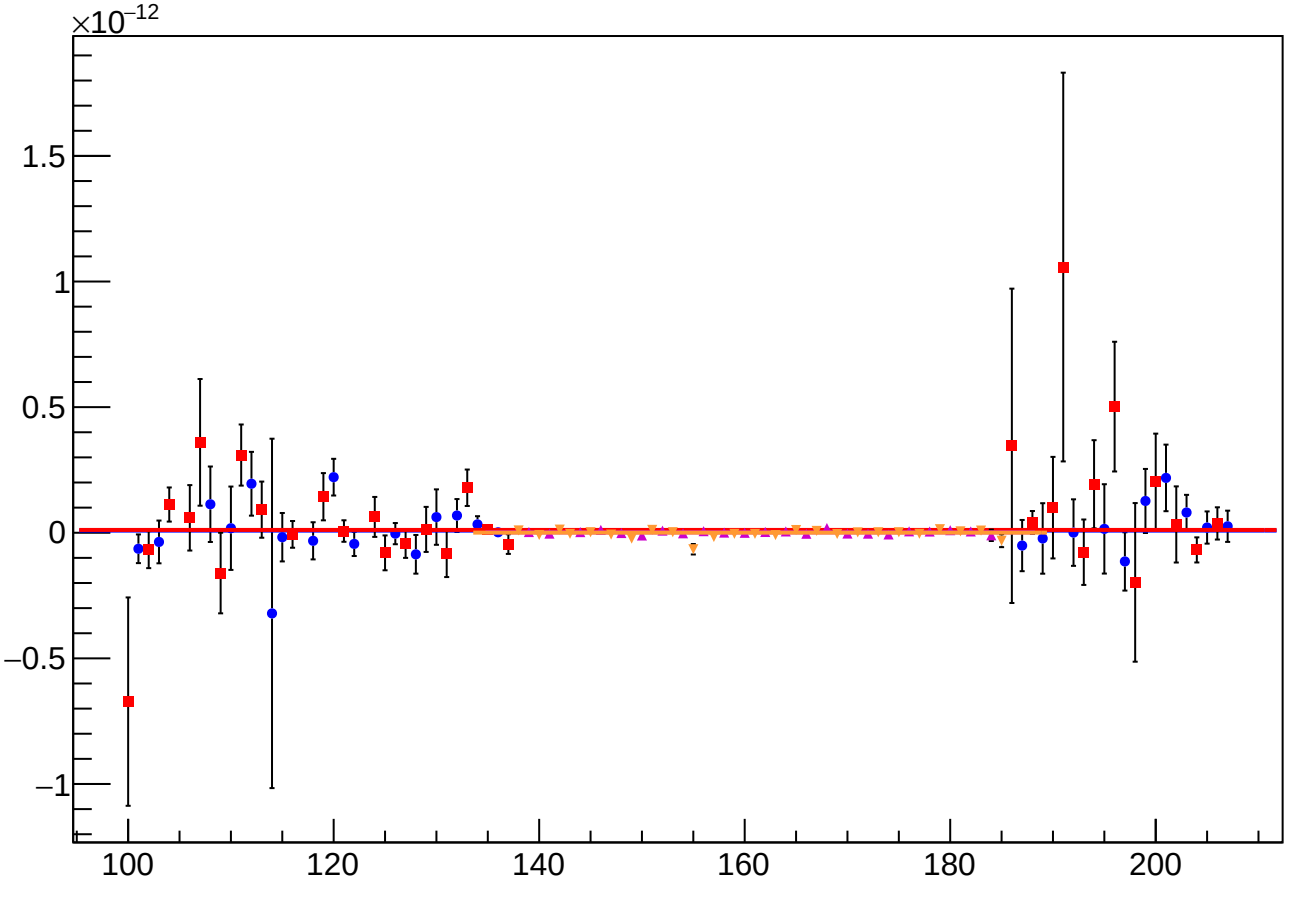
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 711.060+/-0.096 χ^2/NDF: 6997431.1/56

In: 292.659+/-0.041 χ^2/NDF:14097585.5/48

Out: 295.112+/-0.040 χ^2/NDF:16793835.2/55

All: 293.903+/-0.029 χ^2/NDF: 30893270.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.4/25

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

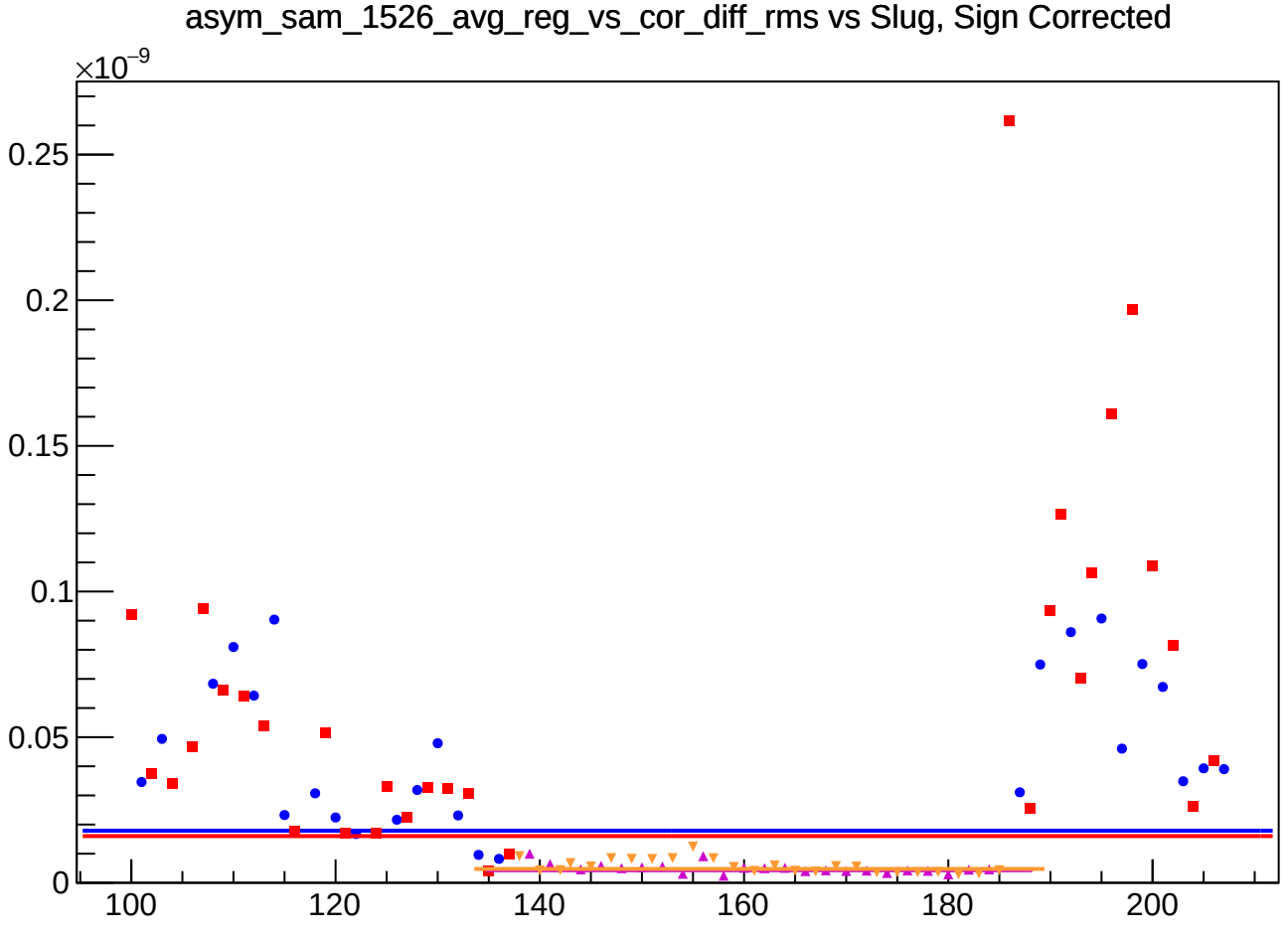
Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

Right: 0.000+/-0.000 χ^2/NDF: 65.9/56

In: 0.000+/-0.000 χ^2/NDF:38.8/48

Out: 0.000+/-0.000 χ^2/NDF:69.6/55

All: 0.000+/-0.000 χ^2/NDF: 108.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 5333560.1/25

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

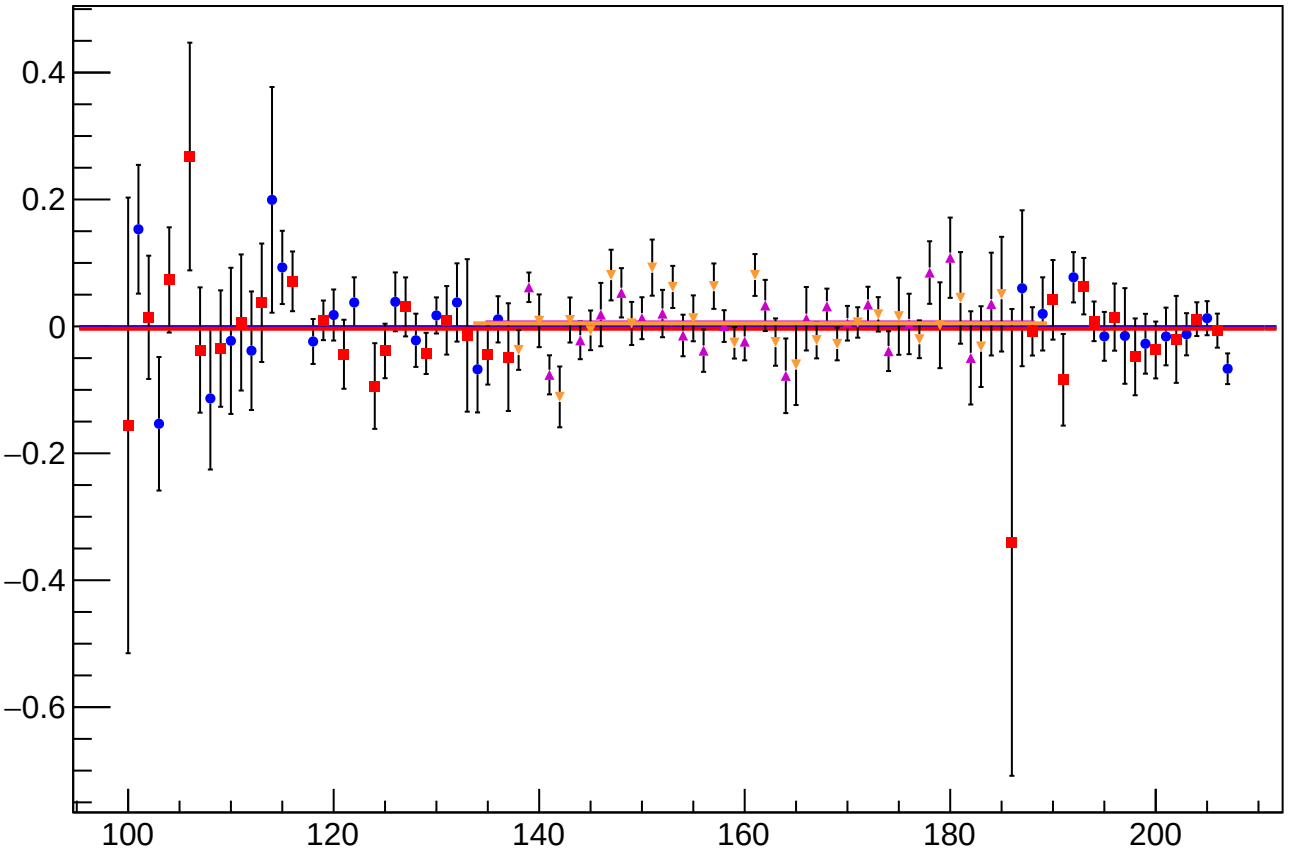
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13237080.0/56

In: 0.000+/-0.000 χ^2/NDF:9931038.6/48

Out: 0.000+/-0.000 χ^2/NDF:12015762.9/55

All: 0.000+/-0.000 χ^2/NDF: 21990713.2/104



Right In: -0.001+/-0.009 χ^2/NDF: 26.6/25

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

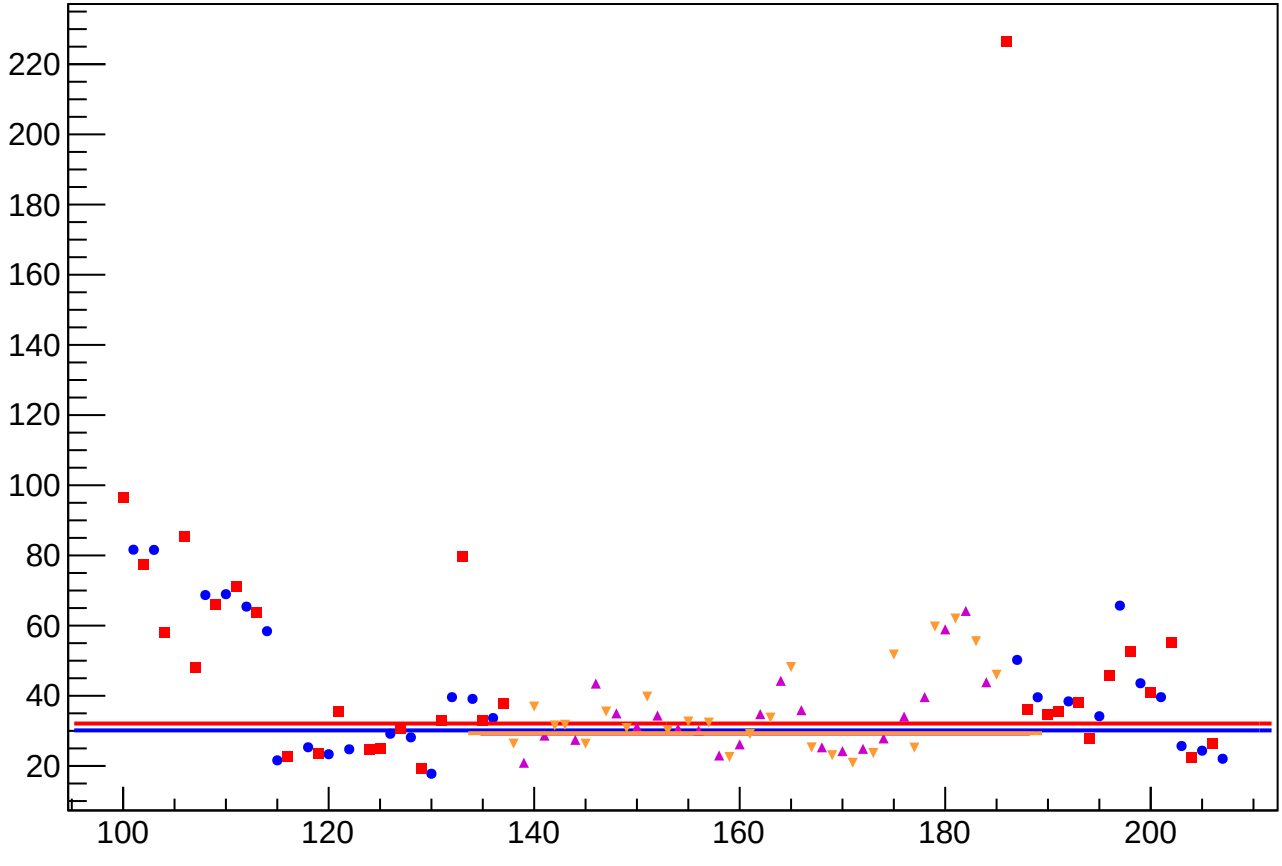
Right: -0.002+/-0.006 χ^2/NDF: 45.9/56

In: 0.003+/-0.006 χ^2/NDF:58.0/48

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.002+/-0.004 χ^2/NDF: 111.8/104

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.137+/-0.006 χ^2/NDF: 3714385.2/25

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

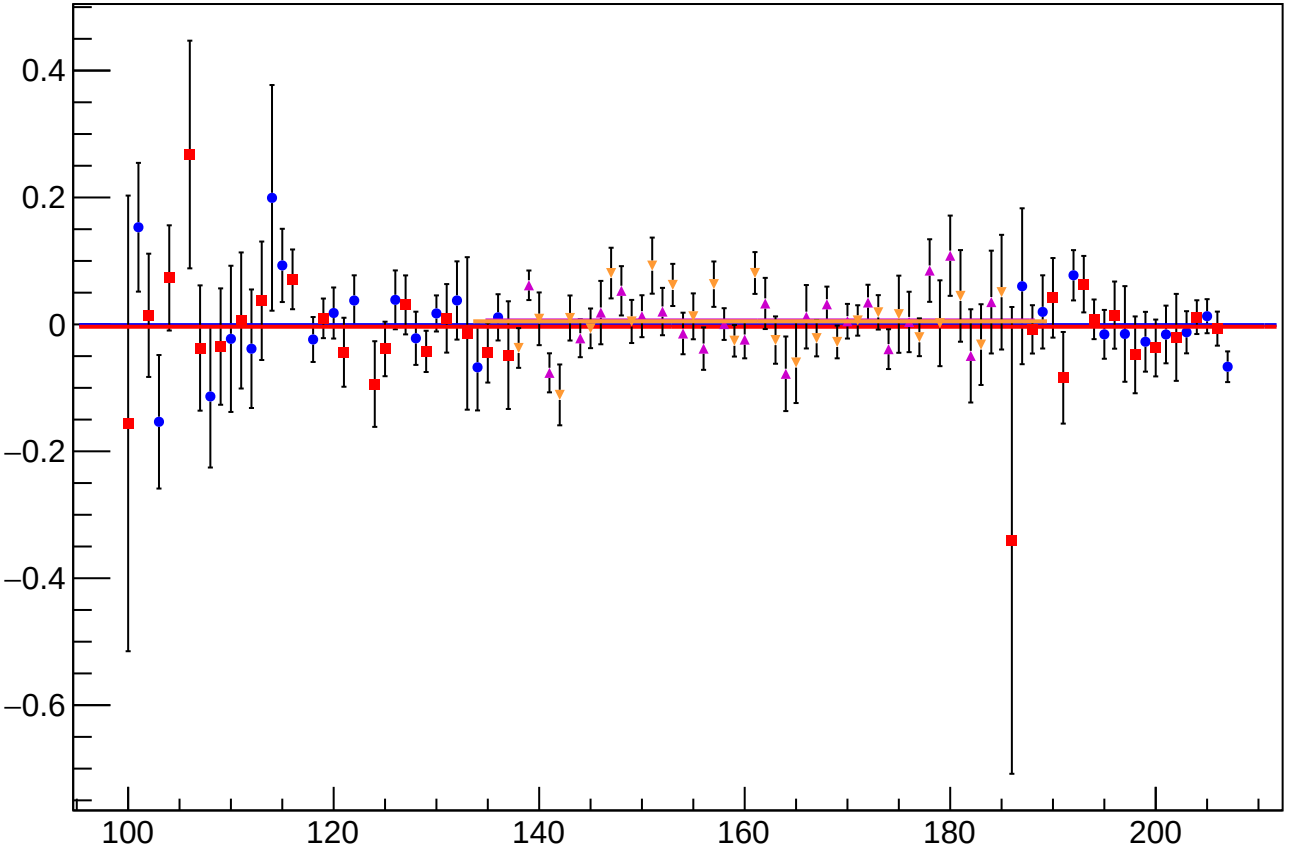
Right: 31.091+/-0.004 χ^2/NDF: 8114321.4/56

In: 29.599+/-0.004 χ^2/NDF:5824920.1/48

Out: 30.404+/-0.004 χ^2/NDF:7154461.7/55

All: 30.003+/-0.003 χ^2/NDF: 13000248.9/104

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.009 χ^2/NDF: 26.6/25

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

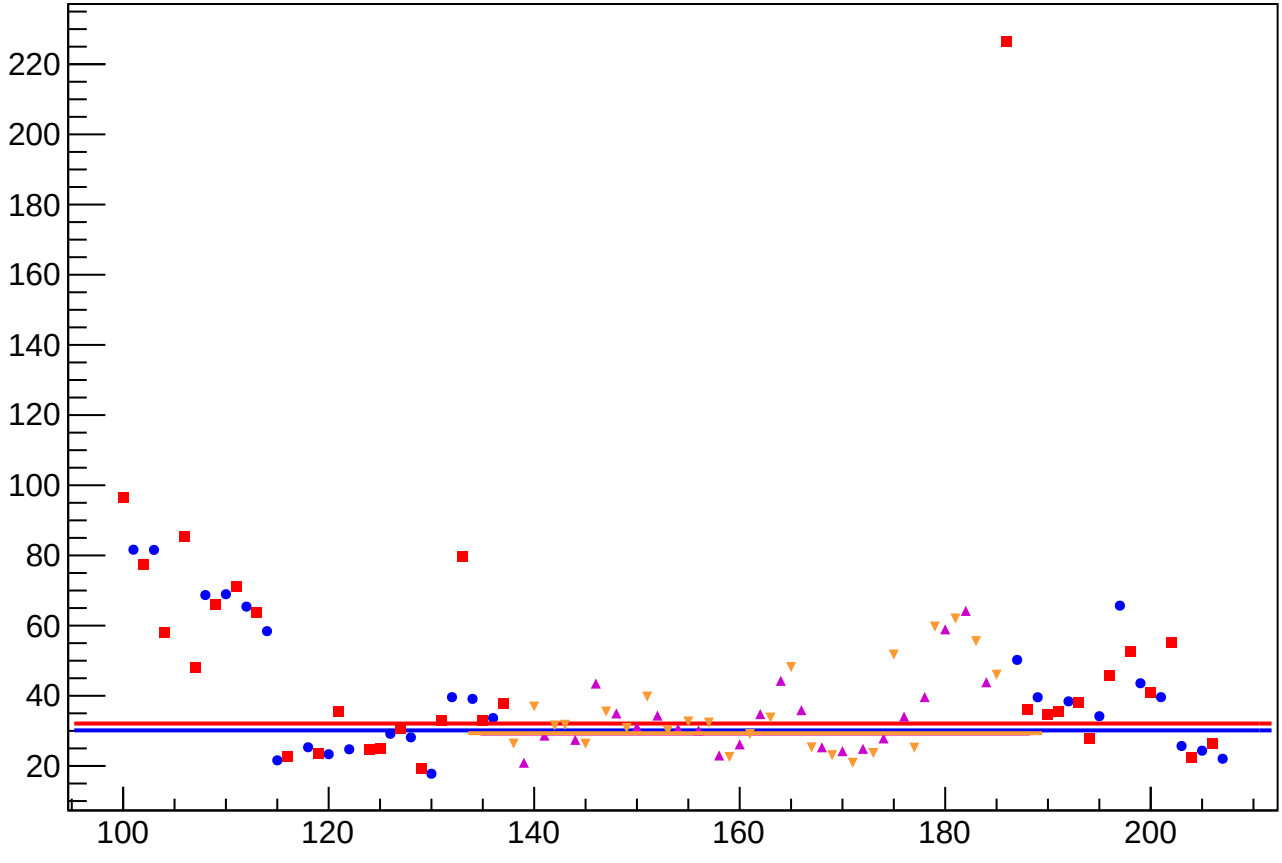
Right: -0.002+/-0.006 χ^2/NDF: 45.9/56

In: 0.003+/-0.006 χ^2/NDF:58.0/48

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.002+/-0.004 χ^2/NDF: 111.8/104

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.137+/-0.006 χ^2/NDF: 3714385.2/25

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

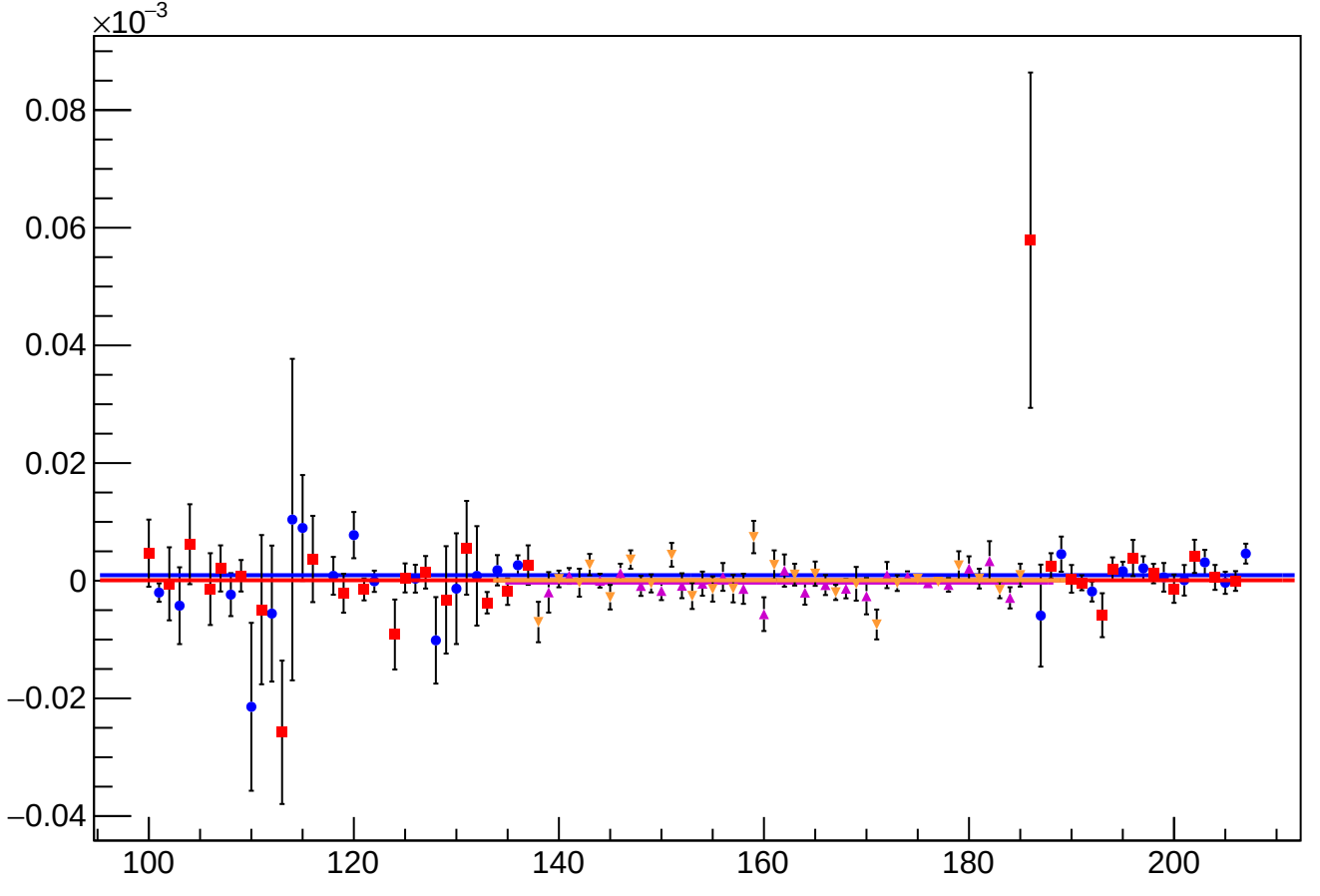
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 31.091+/-0.004 χ^2/NDF: 8114321.4/56

In: 29.599+/-0.004 χ^2/NDF:5824920.1/48

Out: 30.404+/-0.004 χ^2/NDF:7154461.7/55

All: 30.003+/-0.003 χ^2/NDF: 13000248.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/25

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

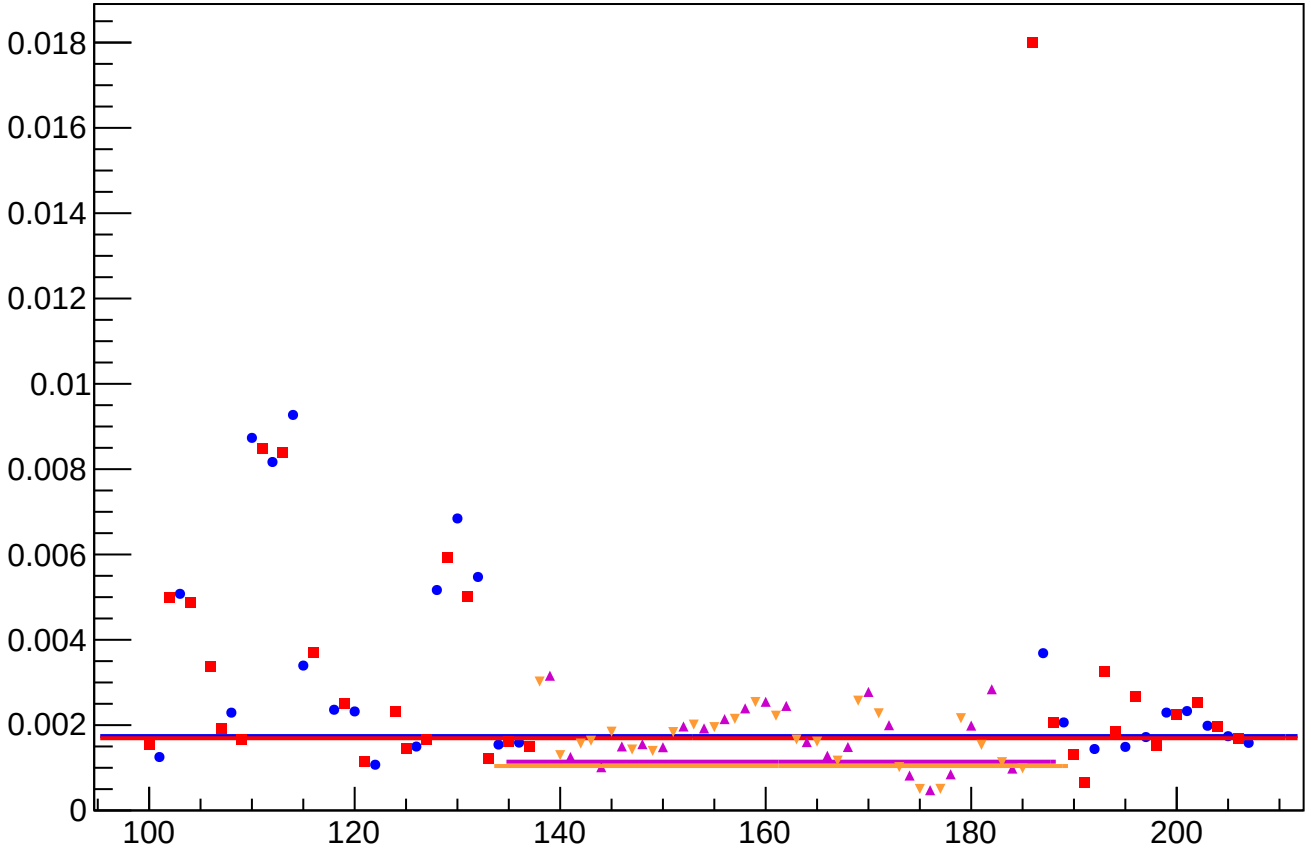
Right: 0.000+/-0.000 χ^2/NDF: 59.2/56

In: 0.000+/-0.000 χ^2/NDF:47.2/48

Out: 0.000+/-0.000 χ^2/NDF:74.2/55

All: 0.000+/-0.000 χ^2/NDF: 121.4/104

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4419544.6/25

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

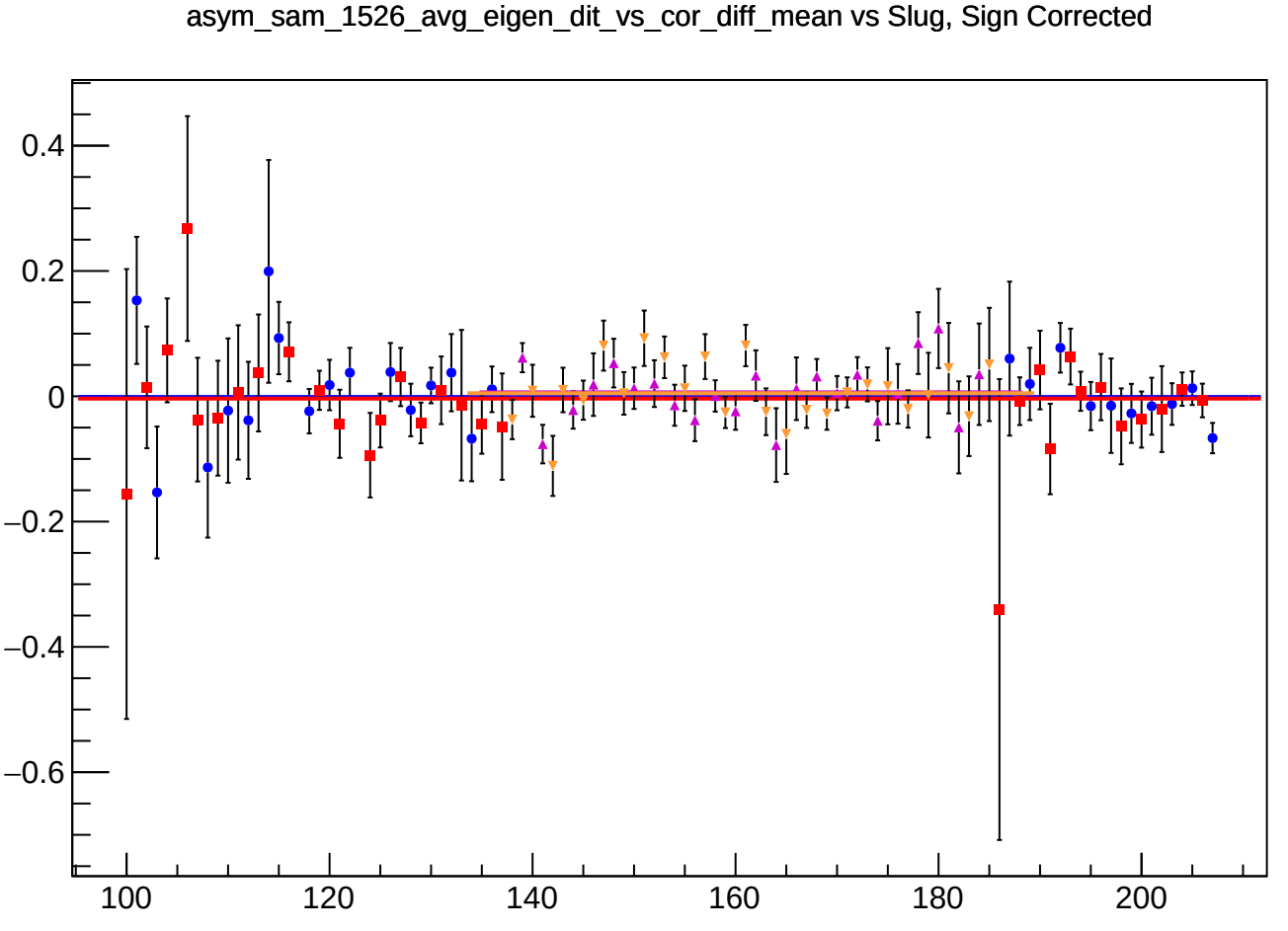
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11199841.0/56

In: 0.001+/-0.000 χ^2/NDF:14788634.4/48

Out: 0.001+/-0.000 χ^2/NDF:19356089.1/55

All: 0.001+/-0.000 χ^2/NDF: 34315275.3/104



Right In: -0.001+/-0.009 χ^2/NDF: 26.6/25

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

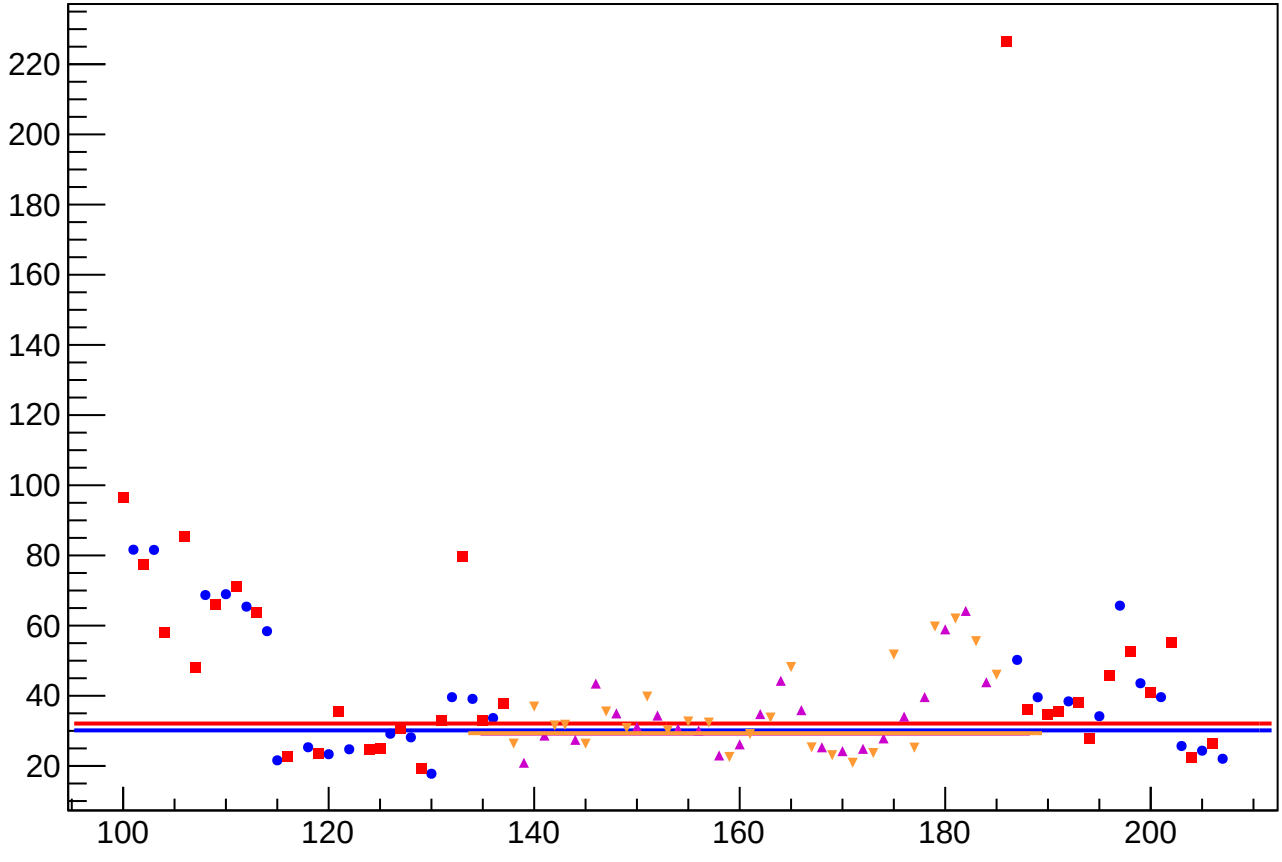
Right: -0.002+/-0.006 χ^2/NDF: 45.9/56

In: 0.003+/-0.006 χ^2/NDF:58.0/48

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.002+/-0.004 χ^2/NDF: 111.8/104

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.136+/-0.006 χ^2/NDF: 3714668.5/25

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

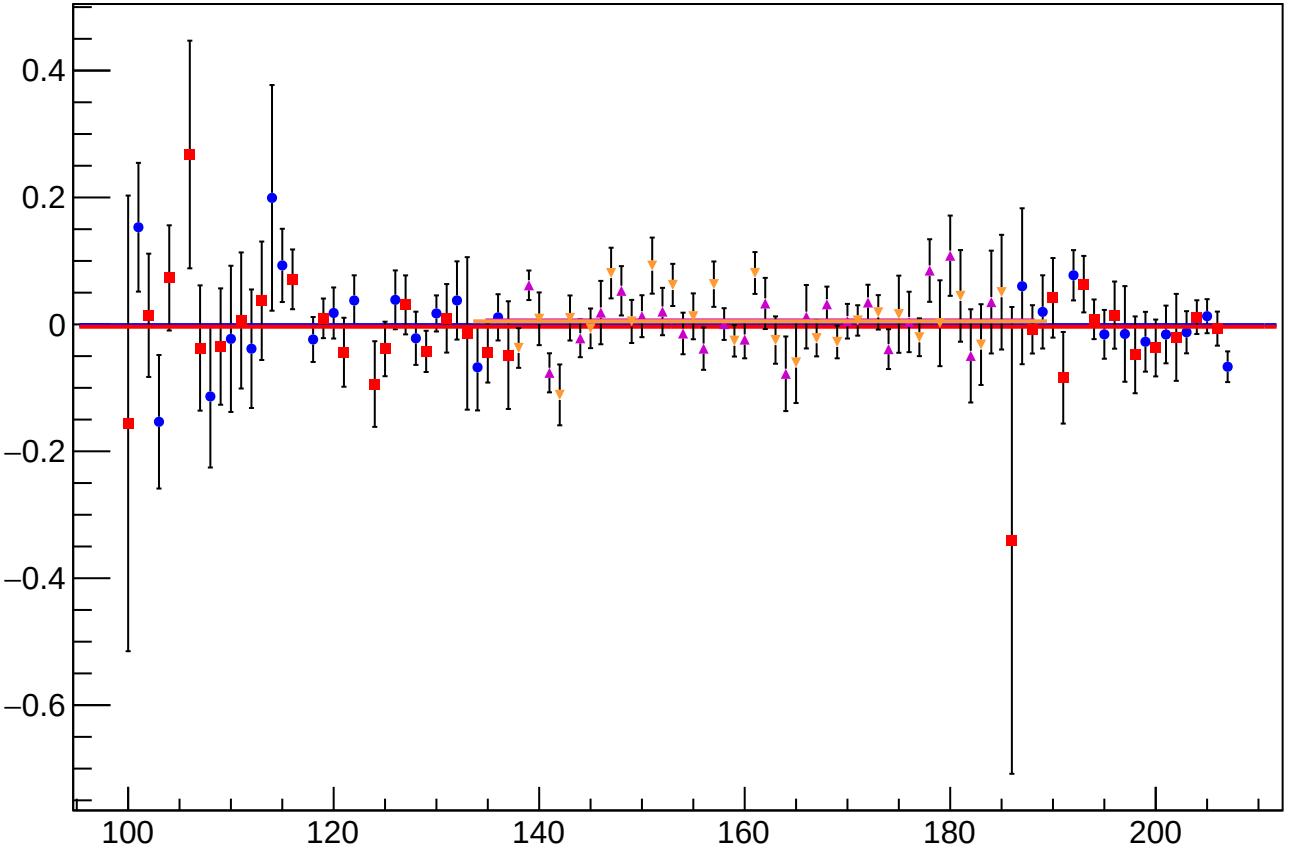
Right: 31.090+/-0.004 χ^2/NDF: 8114800.3/56

In: 29.599+/-0.004 χ^2/NDF:5825132.9/48

Out: 30.404+/-0.004 χ^2/NDF:7154623.7/55

All: 30.003+/-0.003 χ^2/NDF: 13000624.7/104

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.009 χ^2/NDF: 26.6/25

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

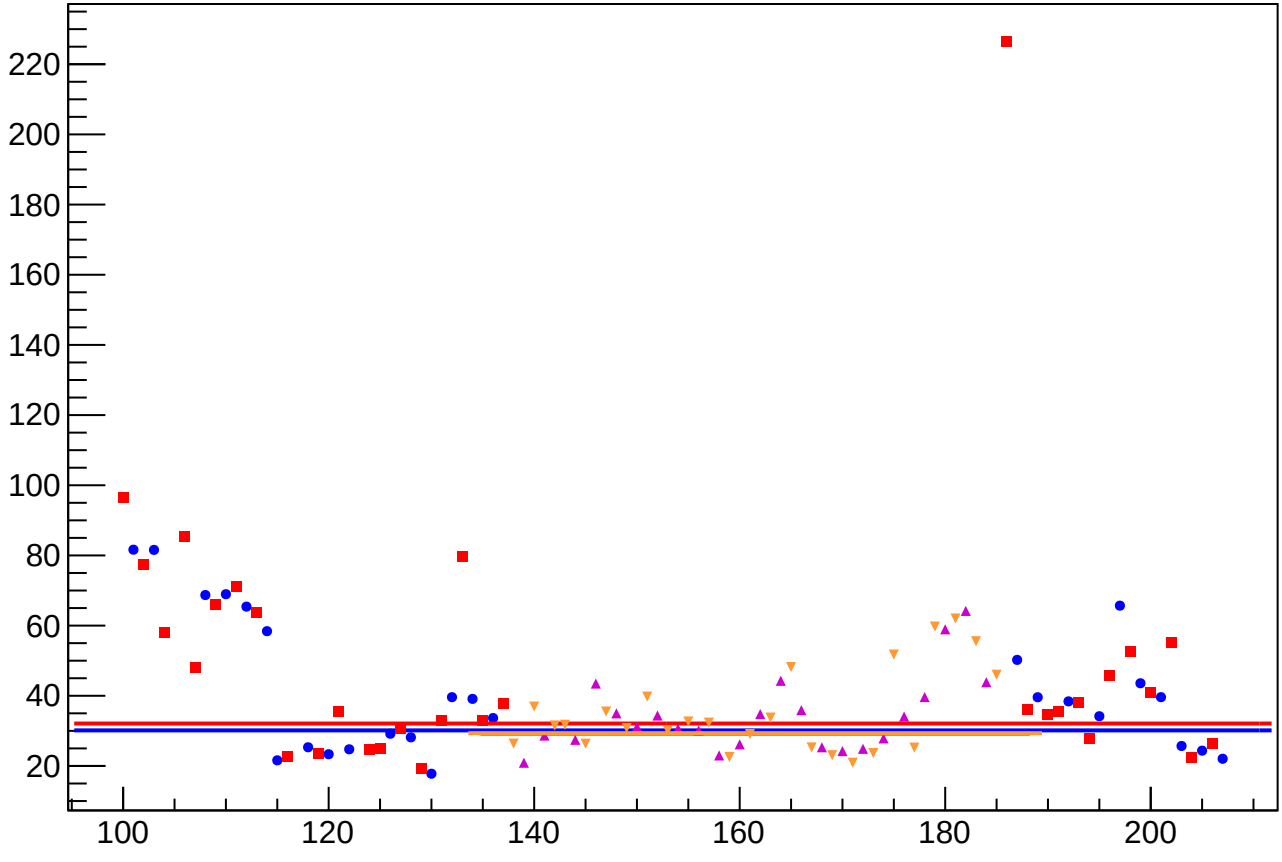
Right: -0.002+/-0.006 χ^2/NDF: 45.9/56

In: 0.003+/-0.006 χ^2/NDF:58.0/48

Out: 0.002+/-0.006 χ^2/NDF:53.7/55

All: 0.002+/-0.004 χ^2/NDF: 111.8/104

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.136+/-0.006 χ^2/NDF: 3714668.5/25

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

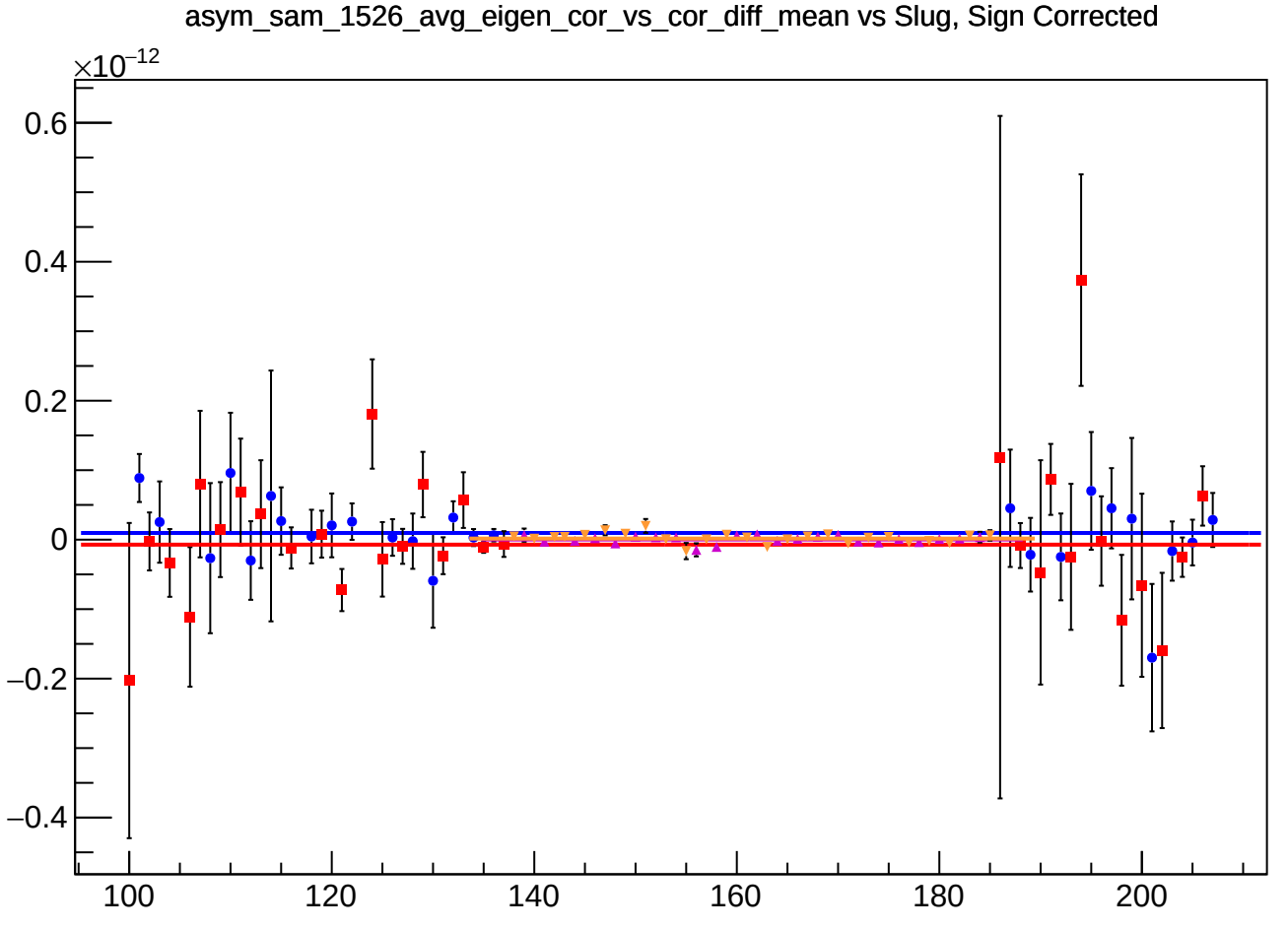
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 31.090+/-0.004 χ^2/NDF: 8114800.3/56

In: 29.599+/-0.004 χ^2/NDF:5825132.9/48

Out: 30.404+/-0.004 χ^2/NDF:7154623.7/55

All: 30.003+/-0.003 χ^2/NDF: 13000624.7/104



Right In: 0.000+/-0.000 χ^2/NDF: 15.5/25

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

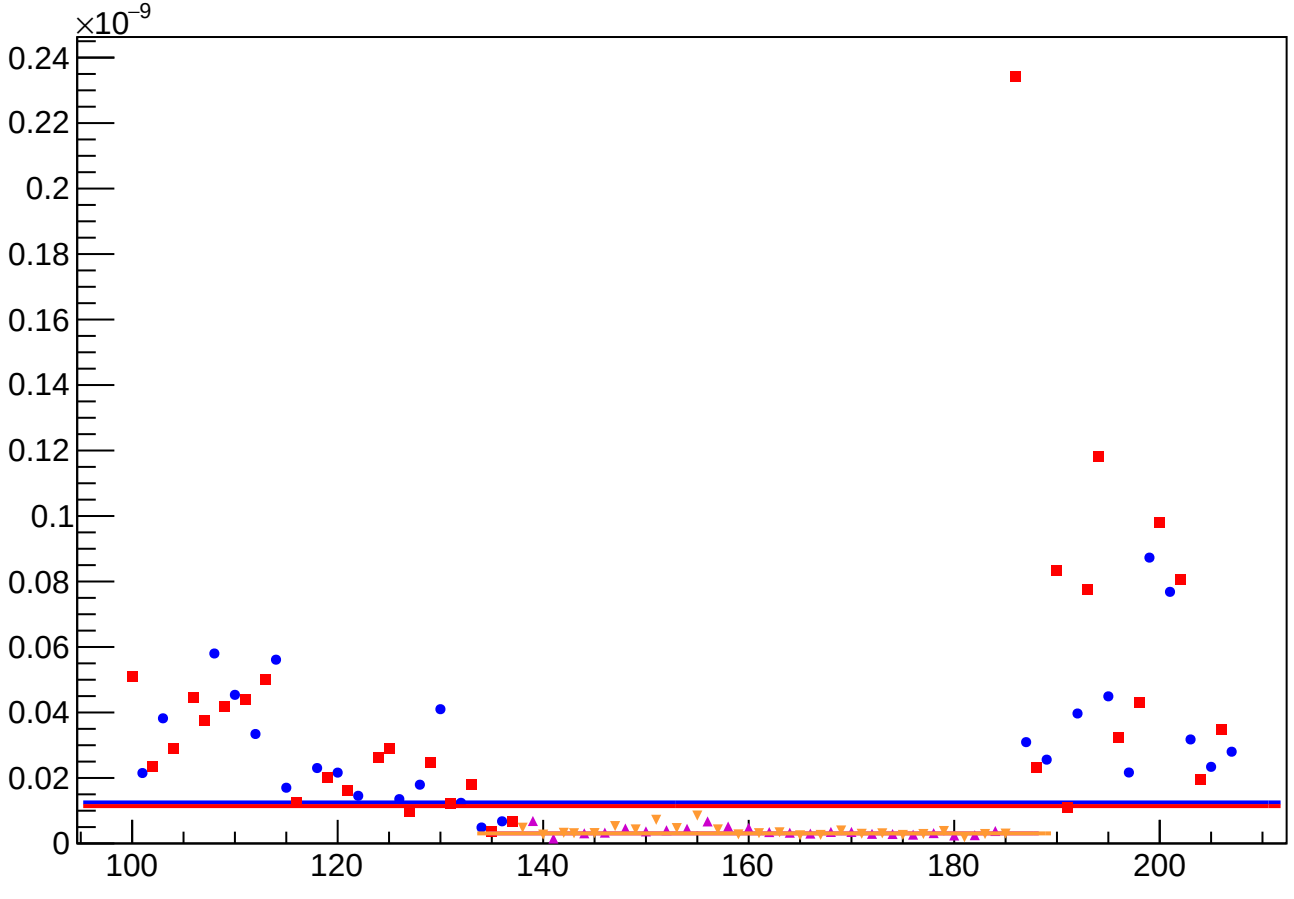
Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

Right: 0.000+/-0.000 χ^2/NDF: 57.8/56

In: 0.000+/-0.000 χ^2/NDF:36.7/48

Out: 0.000+/-0.000 χ^2/NDF:75.2/55

All: 0.000+/-0.000 χ^2/NDF: 112.3/104



Right In: 0.000+/-0.000 χ^2/NDF: 7246512.5/25

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

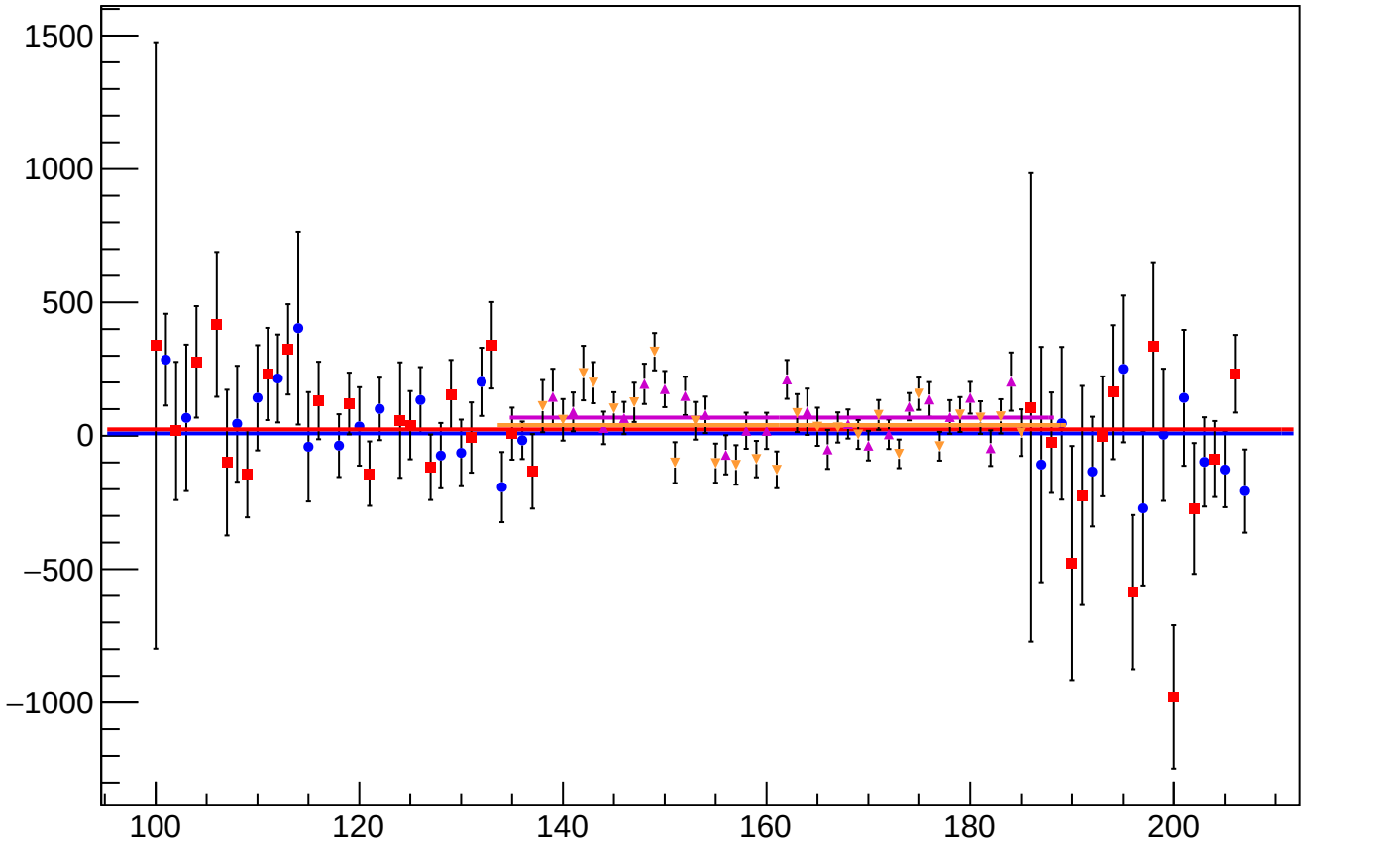
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

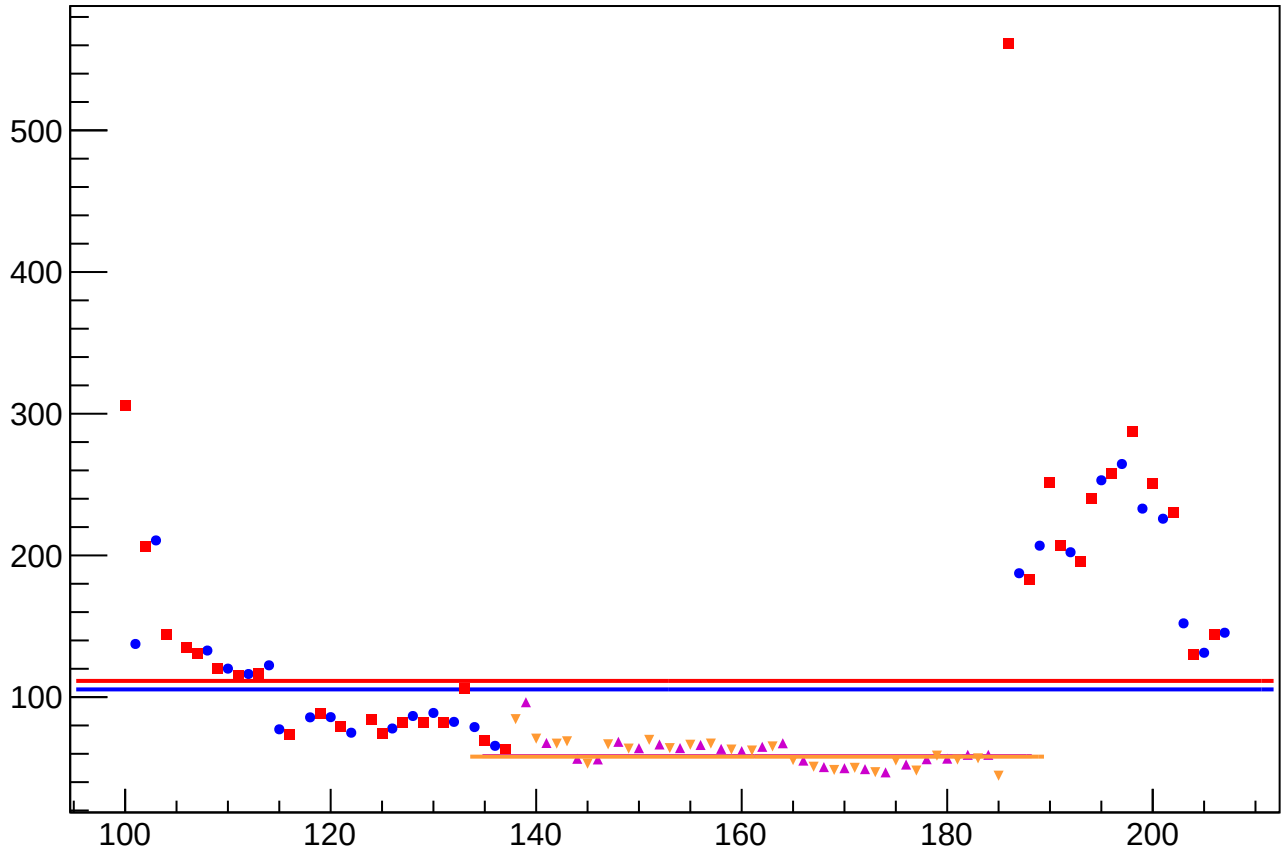
Right: 0.000+/-0.000 χ^2/NDF: 17803421.3/56

In: 0.000+/-0.000 χ^2/NDF:14826235.9/48

Out: 0.000+/-0.000 χ^2/NDF:16905234.0/55

All: 0.000+/-0.000 χ^2/NDF: 31733355.6/104


reg_asym_sam_3726_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 9.035+/-30.203 χ²/NDF: 19.2/25
Left Out: 40.342+/-13.402 χ²/NDF:59.4/24
Right Out: 24.294+/-30.878 χ²/NDF: 45.7/30
Left In: 68.344+/-13.866 χ²/NDF:31.8/22
Left: 53.866+/-9.637 χ²/NDF: 93.3/47
Right: 16.496+/-21.591 χ²/NDF: 65.0/56
In: 58.020+/-12.602 χ²/NDF:54.1/48
Out: 37.798+/-12.294 χ²/NDF:105.4/55
All: 47.659+/-8.800 χ²/NDF: 160.8/104



Right In: 105.439+/-0.021 χ^2/NDF: 4930288.6/25

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

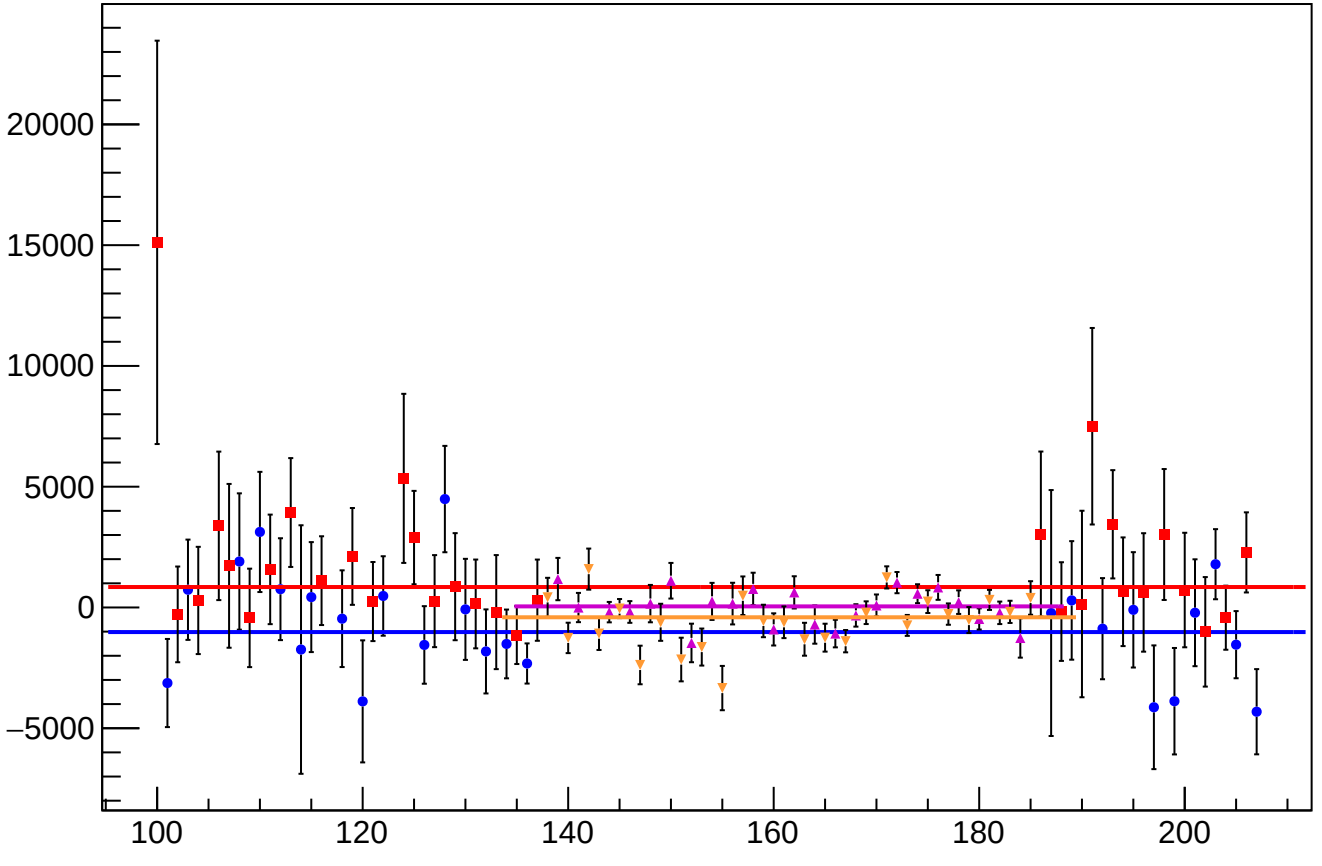
Right: 108.374+/-0.015 χ^2/NDF: 11081503.2/56

In: 66.586+/-0.009 χ^2/NDF:9672715.8/48

Out: 66.468+/-0.009 χ^2/NDF:11962418.8/55

All: 66.525+/-0.006 χ^2/NDF: 21635224.4/104

asym_sam_3726_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1018.300+/-362.051 χ^2/NDF: 29.7/25

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

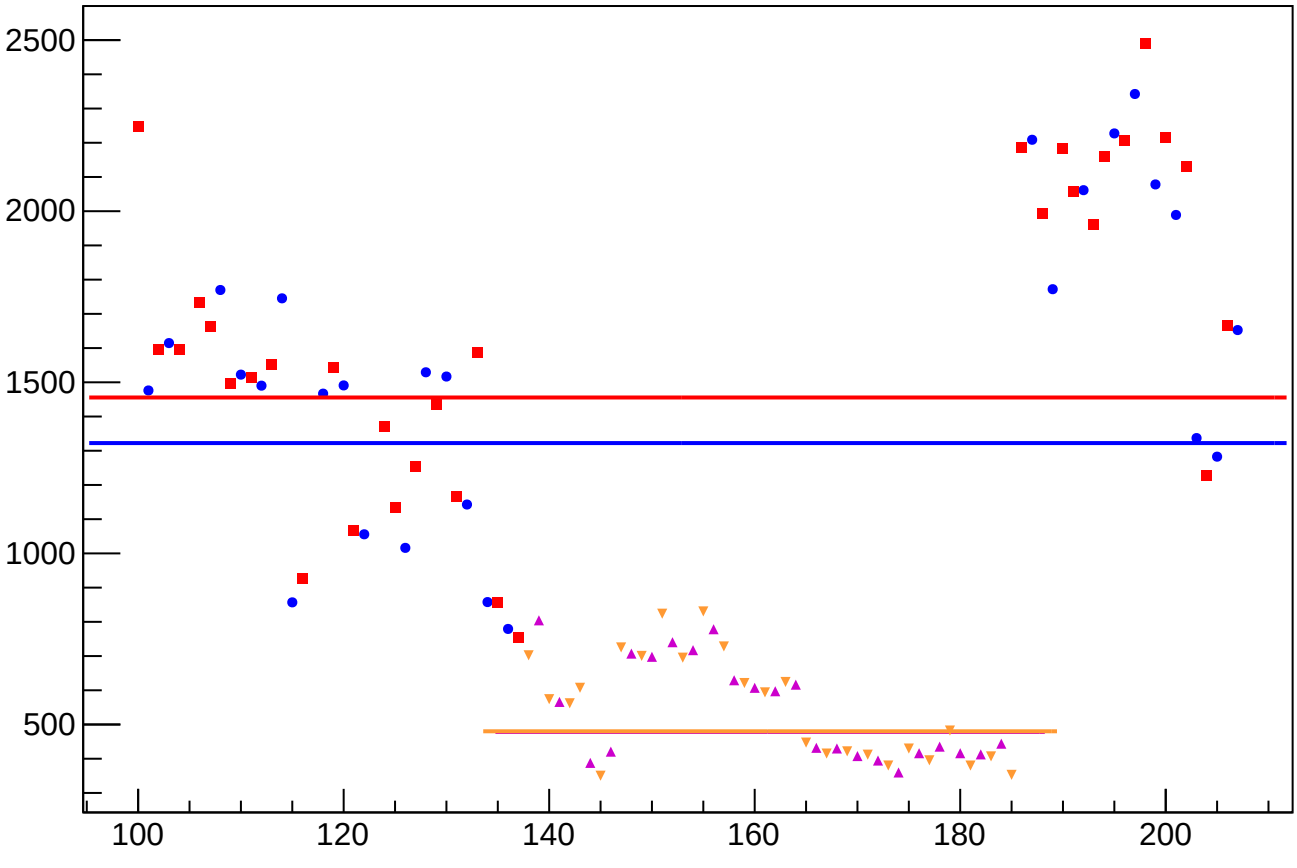
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

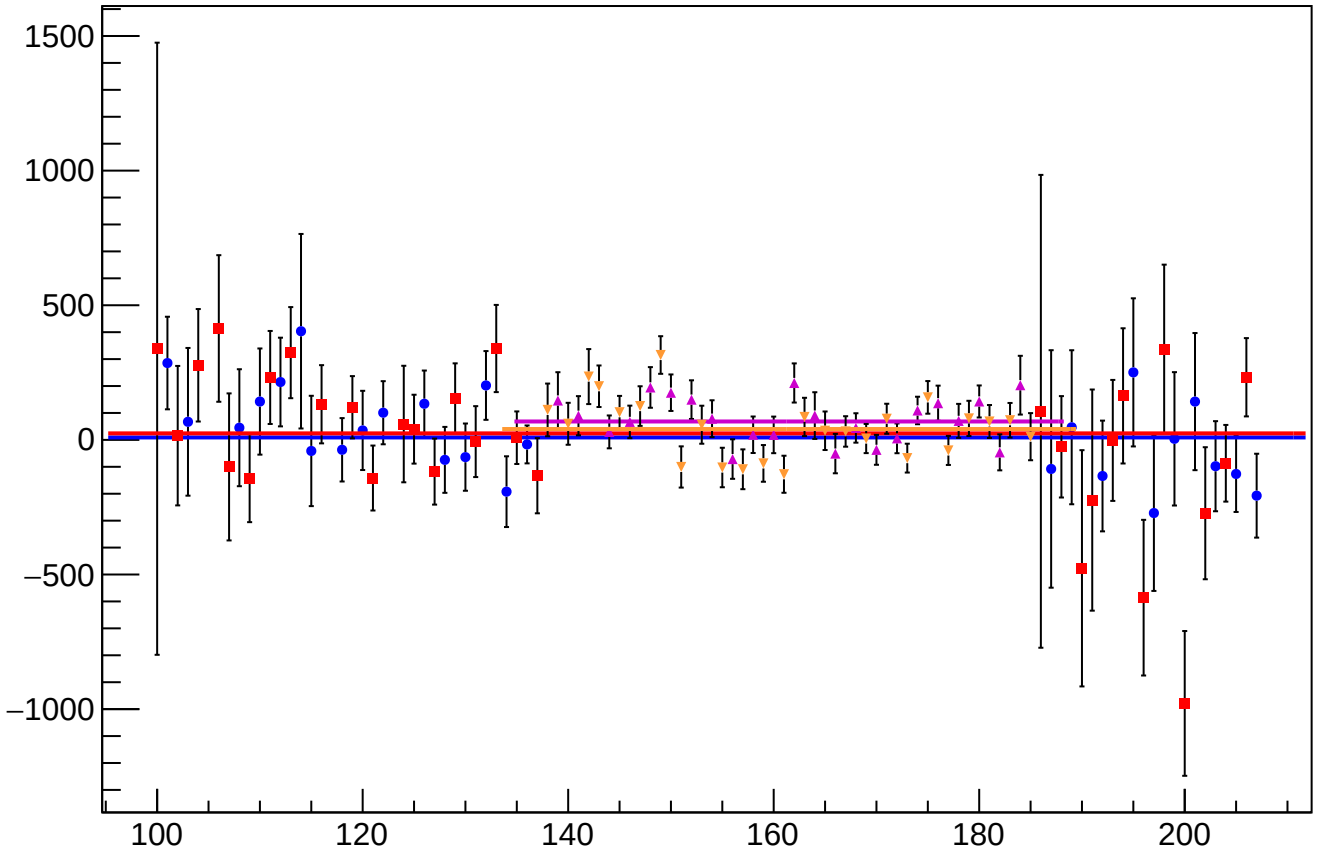
Right: -124.481+/-261.238 χ^2/NDF: 63.2/56

In: -53.780+/-110.265 χ^2/NDF:68.6/48

Out: -302.436+/-108.660 χ^2/NDF:94.1/55

All: -179.931+/-77.396 χ^2/NDF: 165.2/104


asym_sam_3726_avg_reg_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1322.410+/-0.256 χ²/NDF: 2964696.1/25
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: 1386.267+/-0.185 χ²/NDF: 6018126.3/56
In: 556.399+/-0.078 χ²/NDF:15048380.2/48
Out: 561.062+/-0.077 χ²/NDF:17764550.4/55
All: 558.765+/-0.055 χ²/NDF: 32814744.7/10



Right In: 9.025+/-30.203 χ^2/NDF: 19.1/25

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

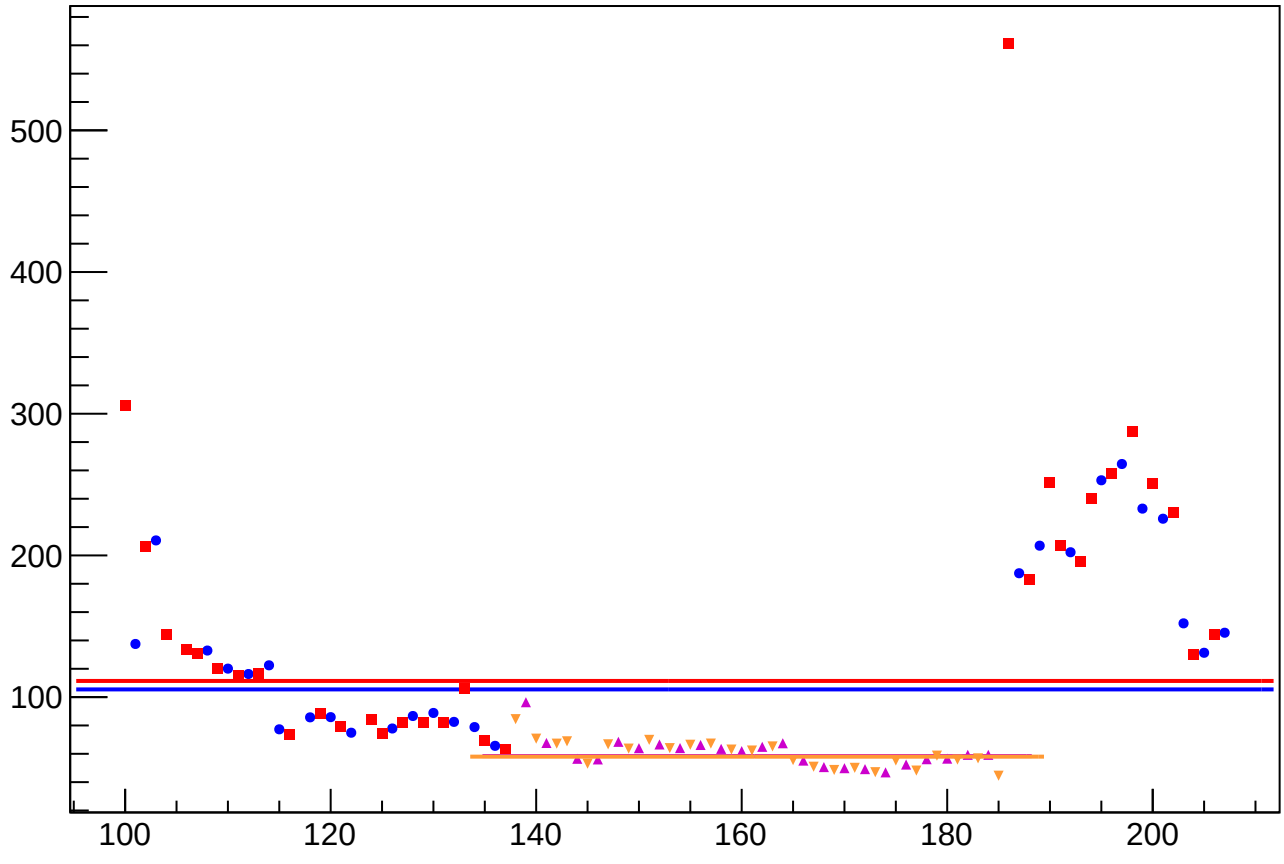
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 16.433+/-21.592 χ^2/NDF: 64.9/56

In: 58.017+/-12.602 χ^2/NDF:54.1/48

Out: 37.781+/-12.294 χ^2/NDF:105.3/55

All: 47.649+/-8.800 χ^2/NDF: 160.7/104



Right In: 105.439+/-0.021 χ^2/NDF: 4930291.6/25

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

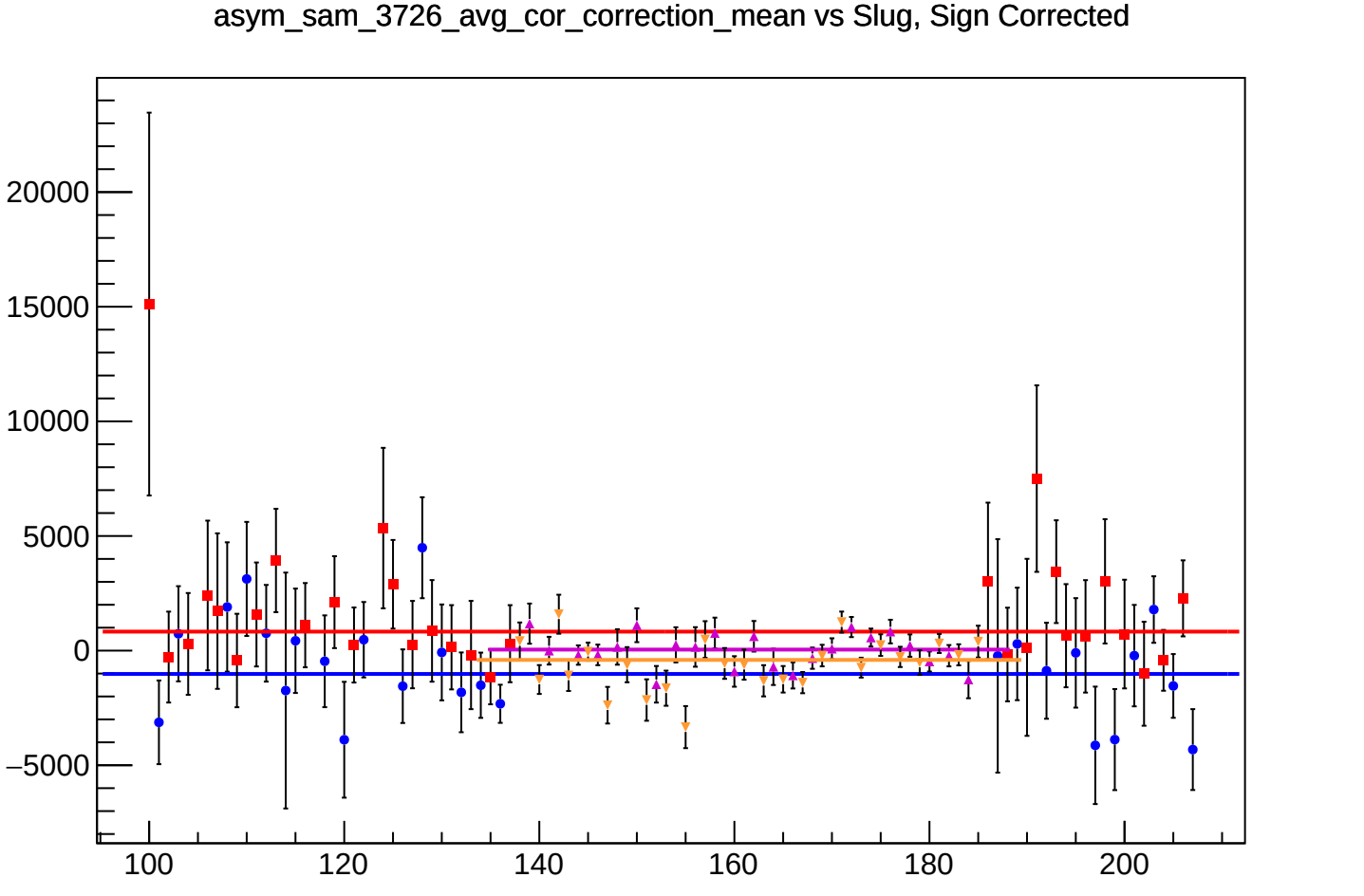
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 108.361+/-0.015 χ^2/NDF: 11078971.7/56

In: 66.586+/-0.009 χ^2/NDF:9672718.1/48

Out: 66.463+/-0.009 χ^2/NDF:11954721.8/55

All: 66.523+/-0.006 χ^2/NDF: 21627537.5/104



Right In: -1018.279+/-362.052 χ^2/NDF: 29.7/25

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

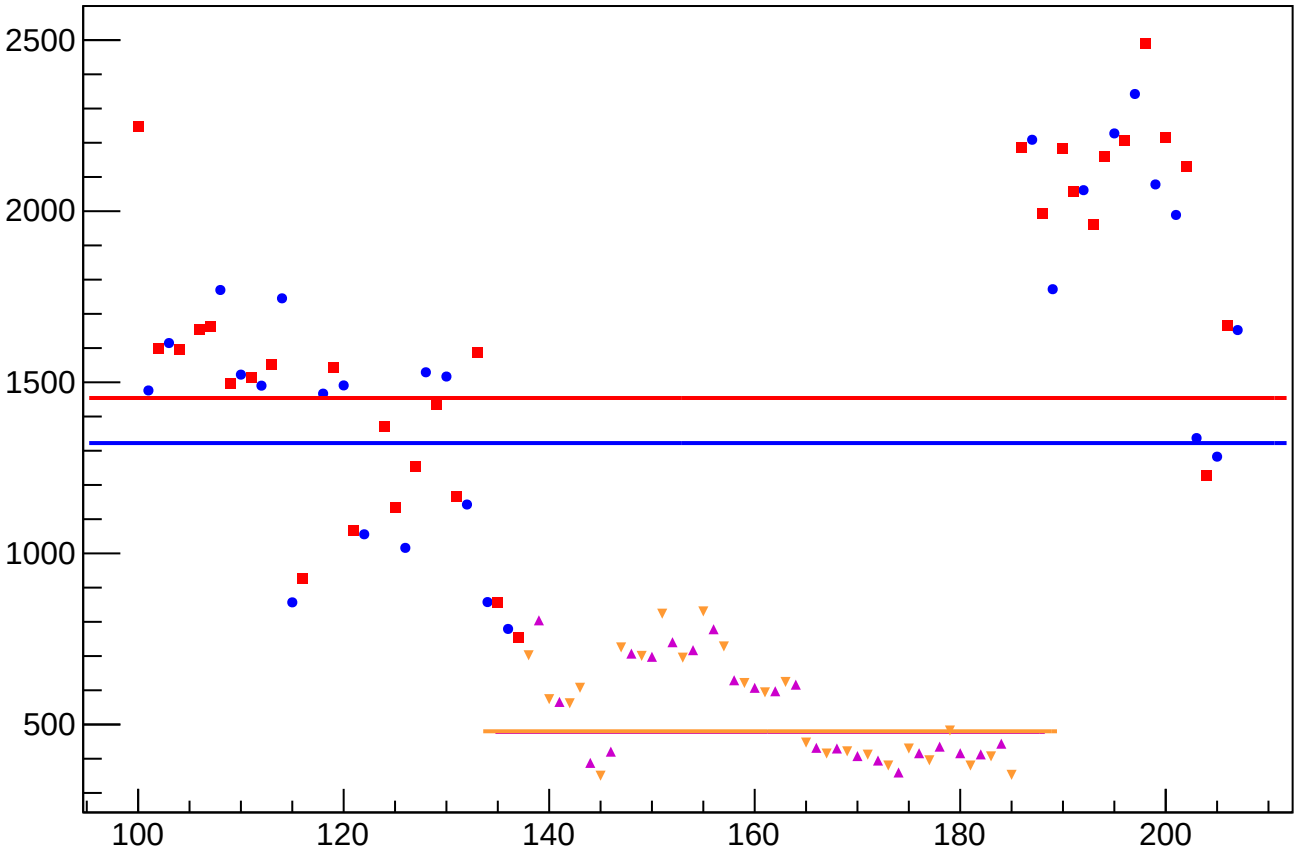
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -133.480+/-261.349 χ^2/NDF: 62.5/56

In: -53.779+/-110.265 χ^2/NDF:68.6/48

Out: -304.019+/-108.668 χ^2/NDF:93.3/55

All: -180.724+/-77.399 χ^2/NDF: 164.5/104



Right In: 1322.412+/-0.256 χ^2/NDF: 2964725.6/25

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

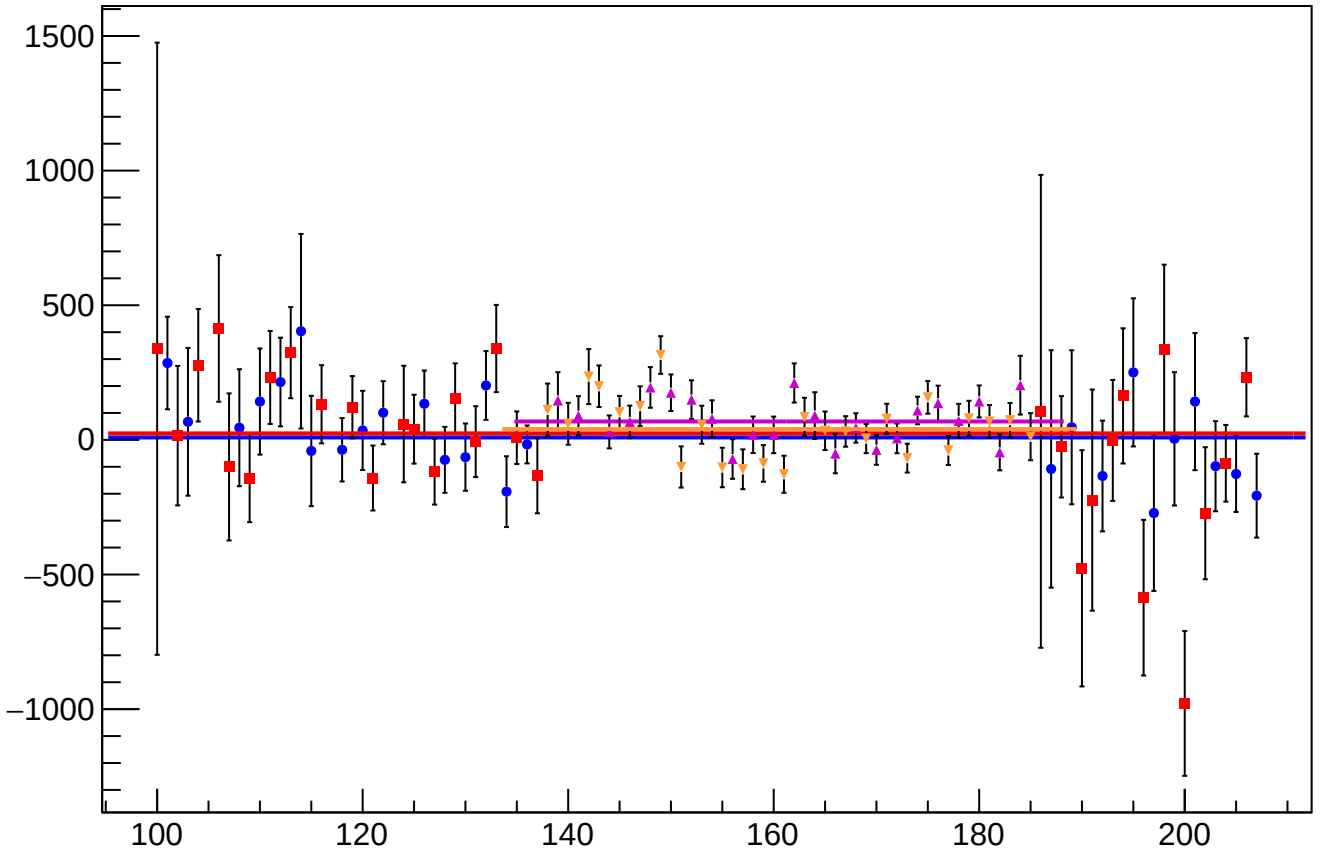
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1385.498+/-0.185 χ^2/NDF: 6006426.2/56

In: 556.400+/-0.078 χ^2/NDF:15048407.6/48

Out: 560.808+/-0.077 χ^2/NDF:17698667.5/55

All: 558.636+/-0.055 χ^2/NDF: 32748696.6/10



Right In: 9.025+/-30.203 χ^2/NDF: 19.1/25

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

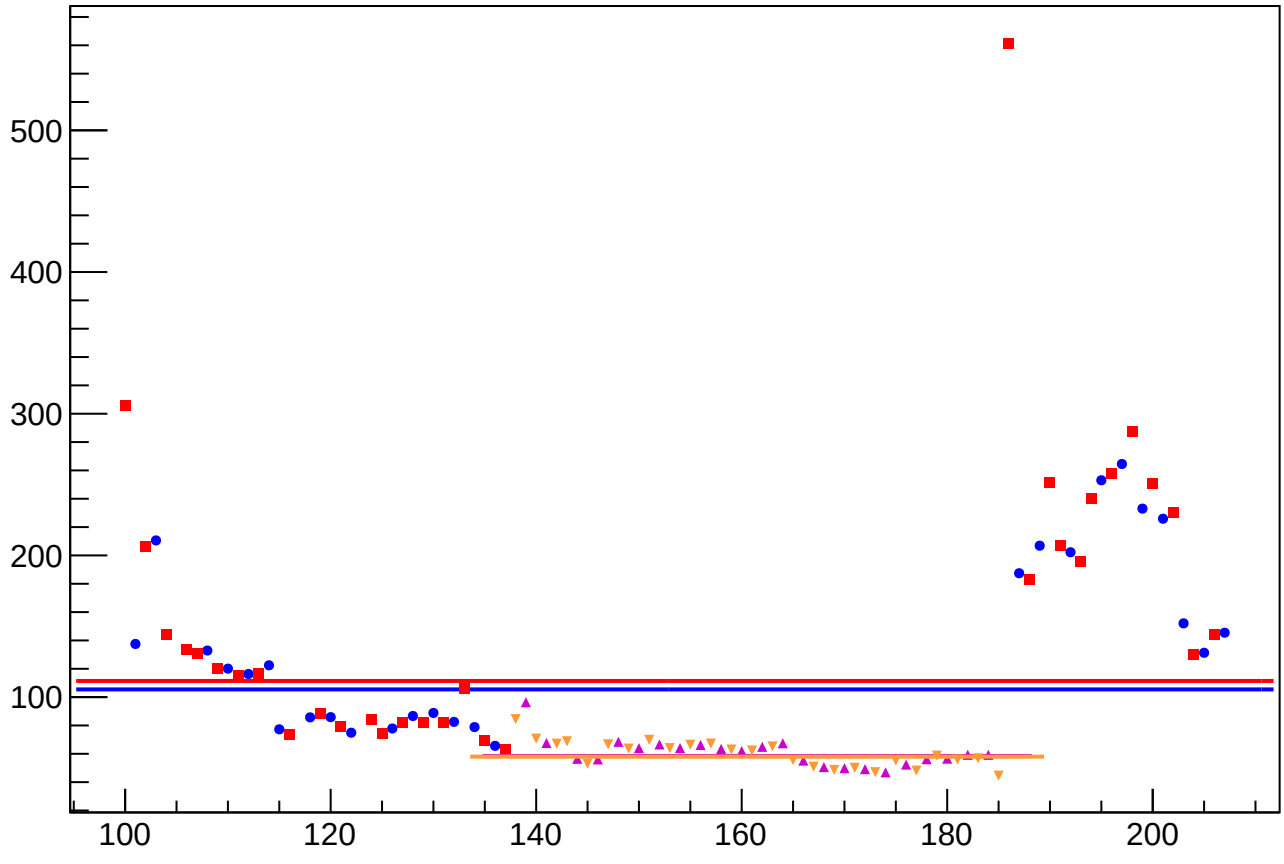
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 16.433+/-21.592 χ^2/NDF: 64.9/56

In: 58.017+/-12.602 χ^2/NDF:54.1/48

Out: 37.781+/-12.294 χ^2/NDF:105.3/55

All: 47.649+/-8.800 χ^2/NDF: 160.7/104



Right In: 105.439+/-0.021 χ^2/NDF: 4930291.6/25

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

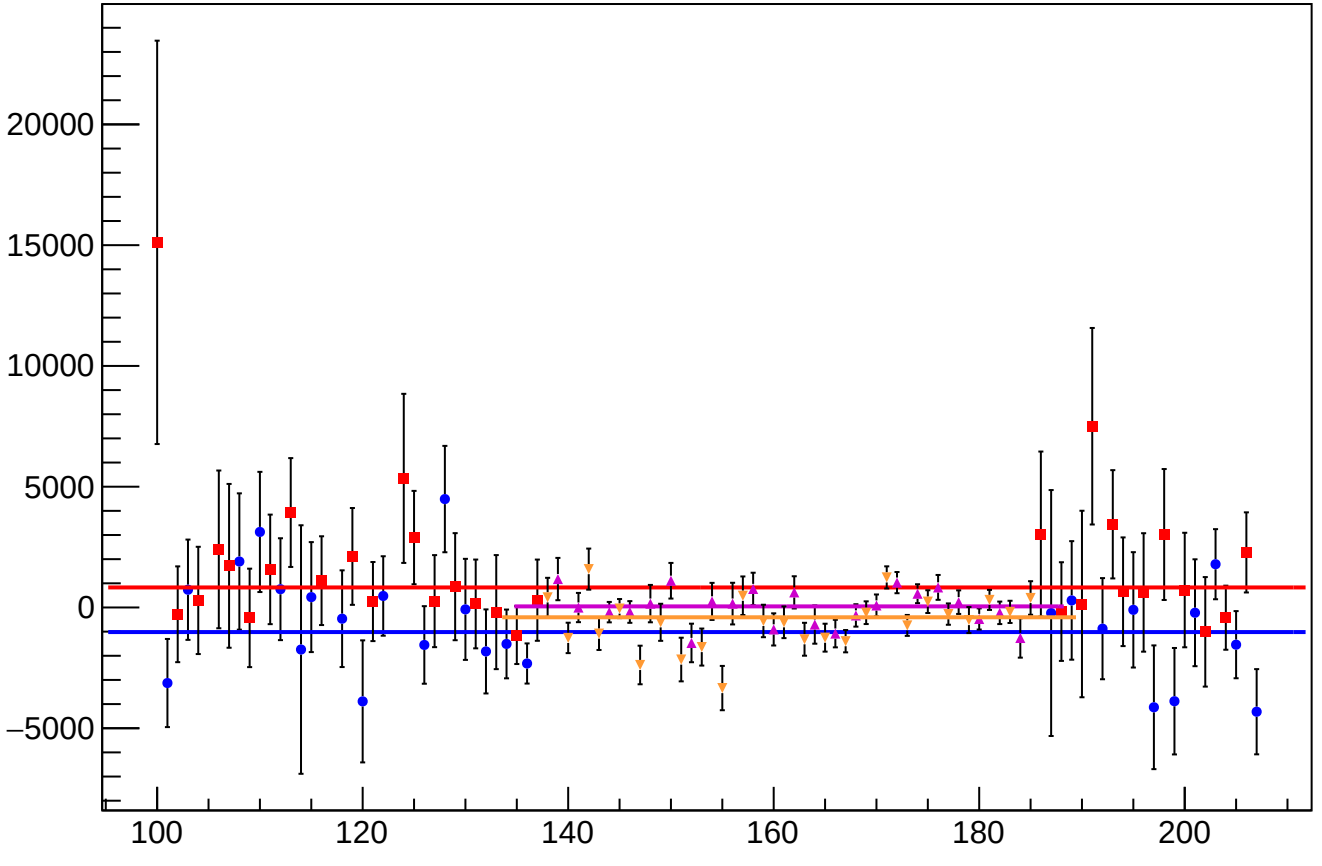
Right: 108.361+/-0.015 χ^2/NDF: 11078971.7/56

In: 66.586+/-0.009 χ^2/NDF:9672718.1/48

Out: 66.463+/-0.009 χ^2/NDF:11954721.8/55

All: 66.523+/-0.006 χ^2/NDF: 21627537.5/104

asym_sam_3726_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1018.279+/-362.052 χ^2/NDF: 29.7/25

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

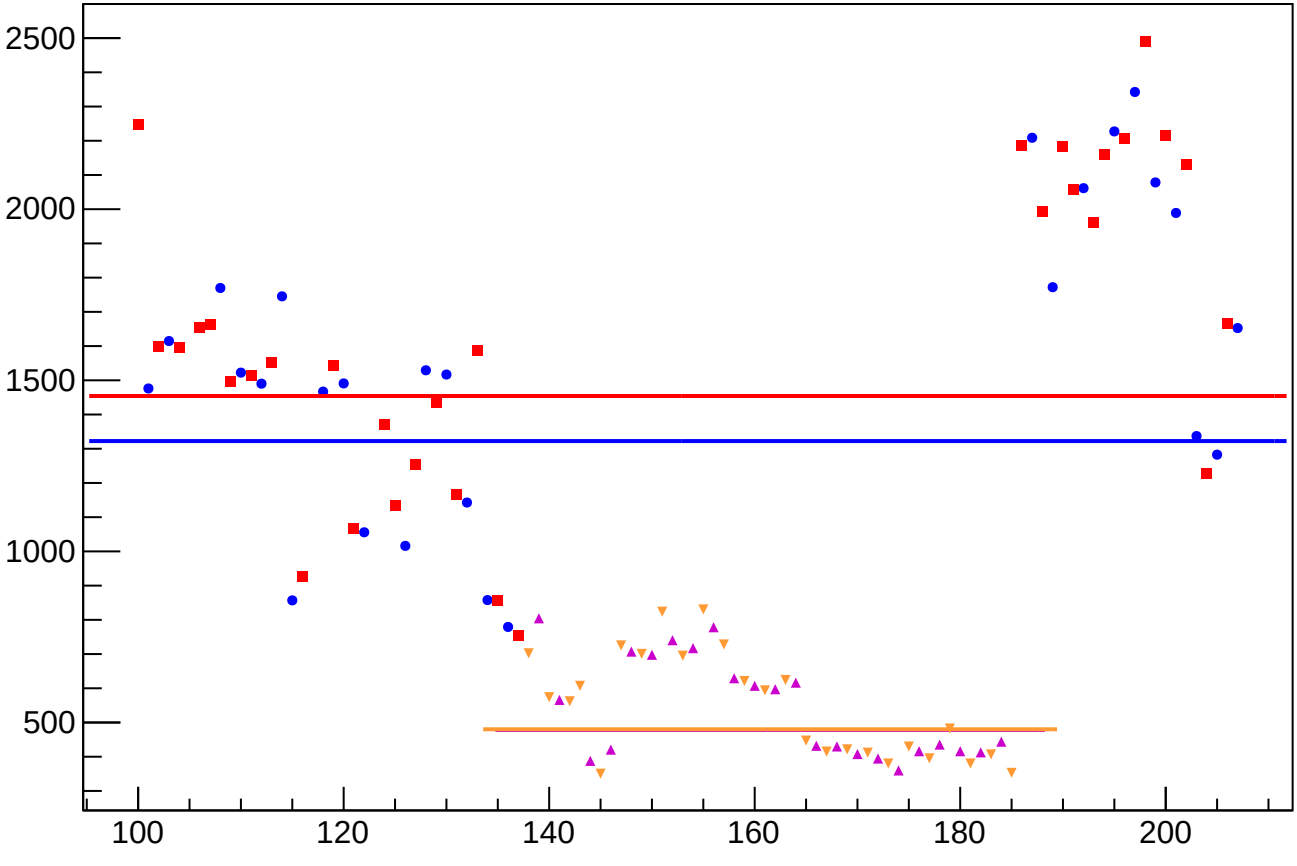
Right: -133.480+/-261.349 χ^2/NDF: 62.5/56

In: -53.779+/-110.265 χ^2/NDF:68.6/48

Out: -304.019+/-108.668 χ^2/NDF:93.3/55

All: -180.724+/-77.399 χ^2/NDF: 164.5/104

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1322.412+/-0.256 χ^2/NDF: 2964725.6/25

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

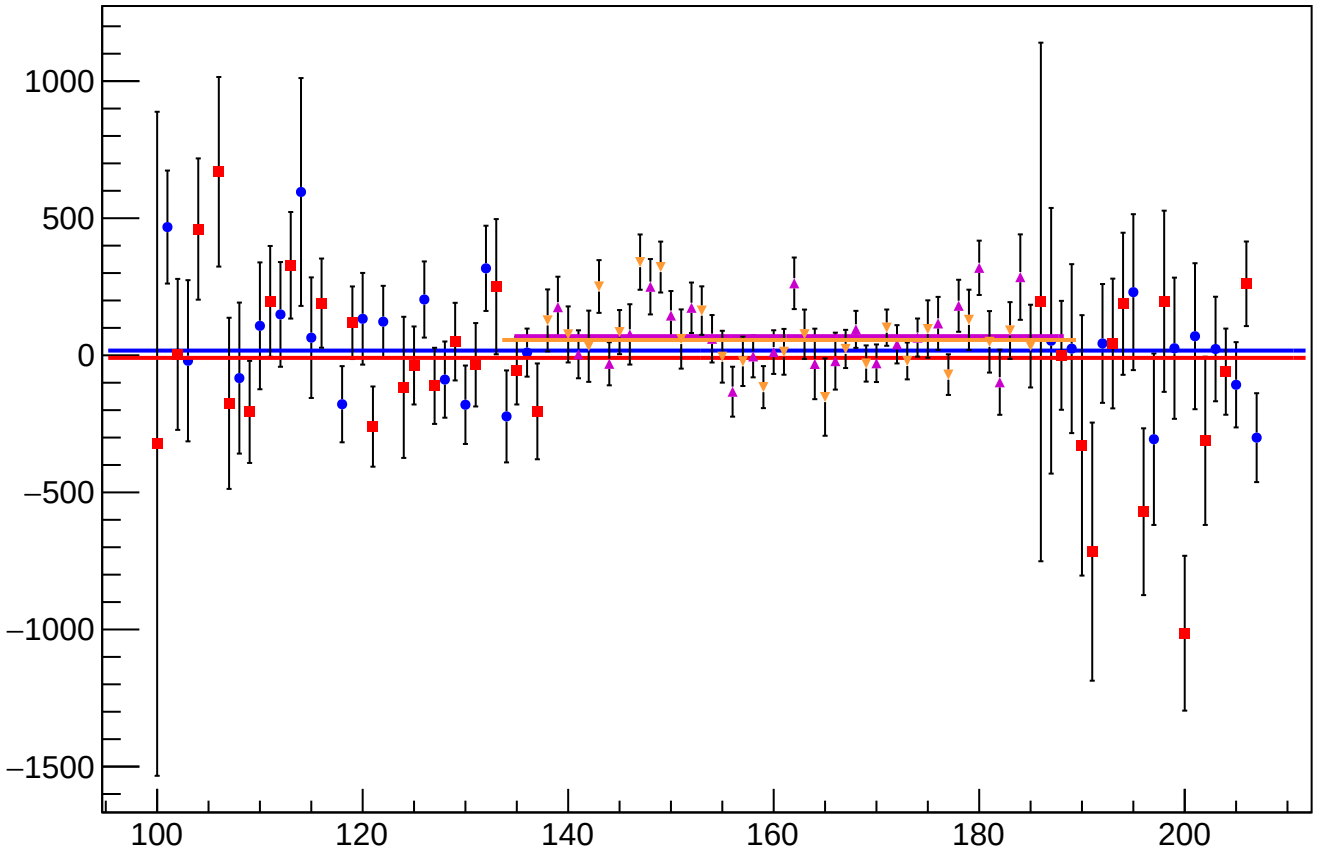
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1385.498+/-0.185 χ^2/NDF: 6006426.2/56

In: 556.400+/-0.078 χ^2/NDF:15048407.6/48

Out: 560.808+/-0.077 χ^2/NDF:17698667.5/55

All: 558.636+/-0.055 χ^2/NDF: 32748696.6/10



Right In: 17.224+/-34.891 χ^2/NDF: 26.9/25

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

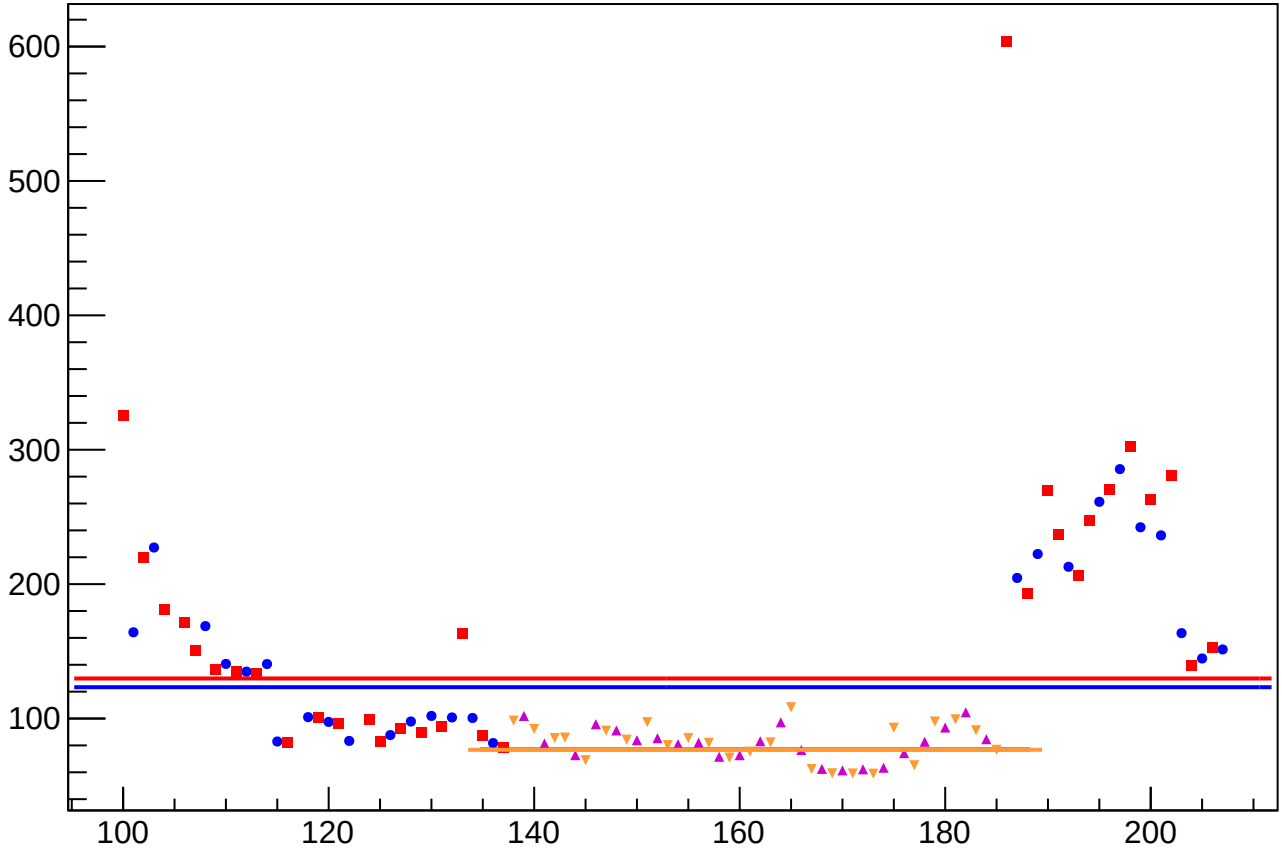
Right: 4.188+/-24.934 χ^2/NDF: 72.7/56

In: 58.300+/-16.342 χ^2/NDF:63.2/48

Out: 42.727+/-16.032 χ^2/NDF:86.5/55

All: 50.364+/-11.444 χ^2/NDF: 150.2/104

dit_asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 123.305+/-0.025 χ^2/NDF: 4119961.9/25

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

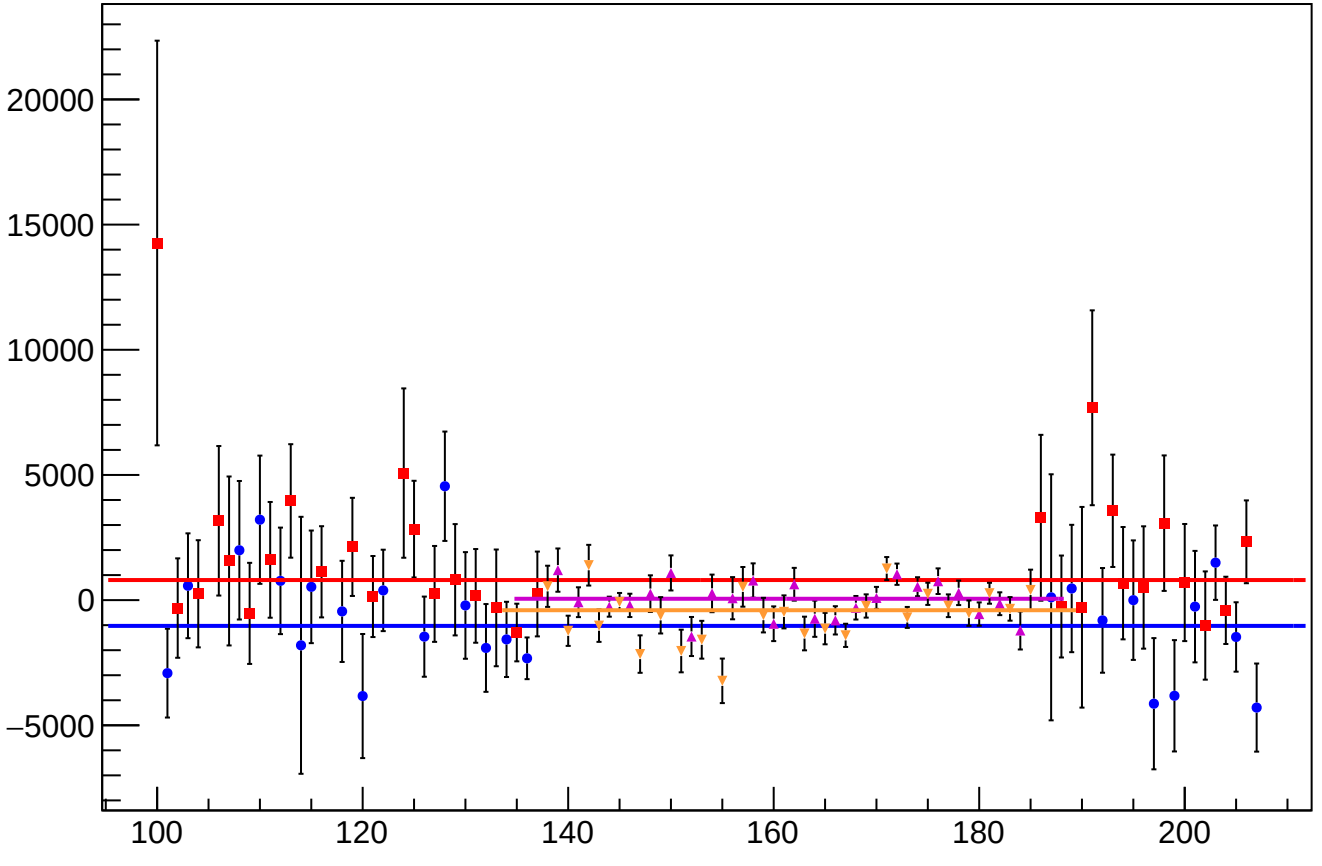
Right: 126.486+/-0.018 χ^2/NDF: 9580925.5/56

In: 87.172+/-0.012 χ^2/NDF:7726484.5/48

Out: 87.476+/-0.011 χ^2/NDF:10196941.9/55

All: 87.327+/-0.008 χ^2/NDF: 17923778.9/104

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1029.230+/-363.989 χ^2/NDF: 28.7/25

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

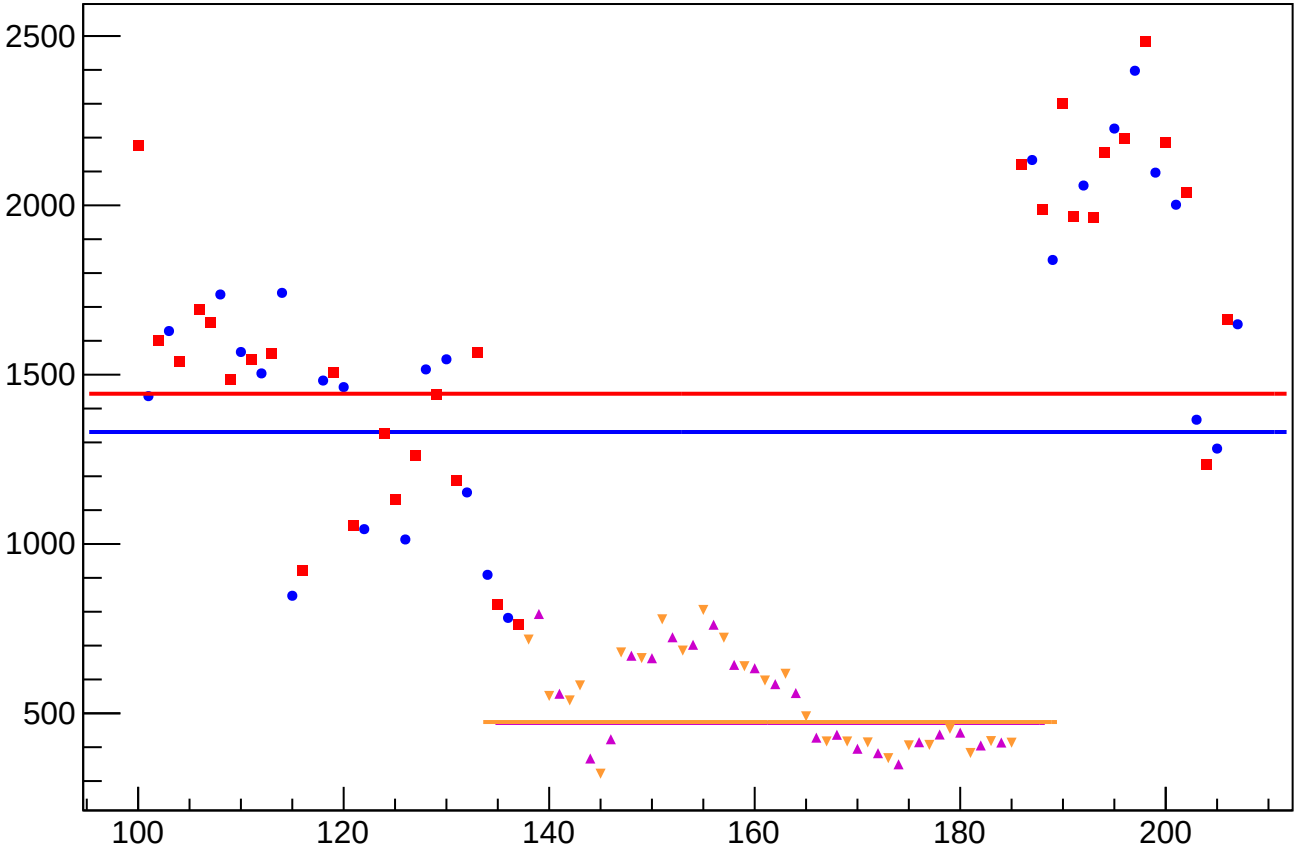
Right: -139.028+/-260.938 χ^2/NDF: 63.2/56

In: -42.935+/-108.983 χ^2/NDF:67.4/48

Out: -304.659+/-107.099 χ^2/NDF:92.5/55

All: -176.079+/-76.388 χ^2/NDF: 162.8/104

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1330.717+/-0.257 χ^2/NDF: 2942611.5/25

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

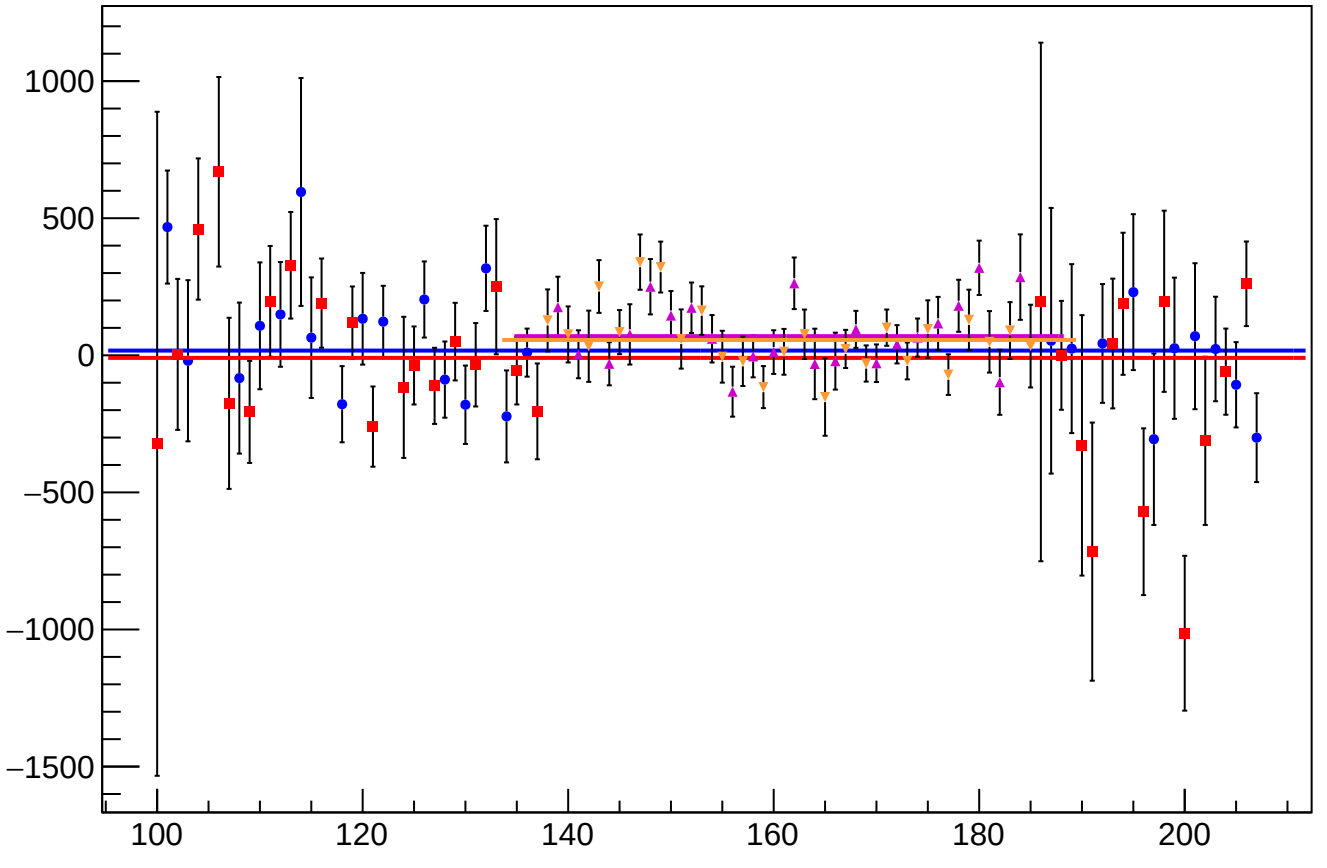
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1385.644+/-0.185 χ^2/NDF: 5990712.6/56

In: 548.487+/-0.077 χ^2/NDF:15298396.5/48

Out: 553.675+/-0.076 χ^2/NDF:17812698.1/55

All: 551.126+/-0.054 χ^2/NDF: 33113400.0/10



Right In: 17.225+/-34.891 χ^2/NDF: 26.9/25

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

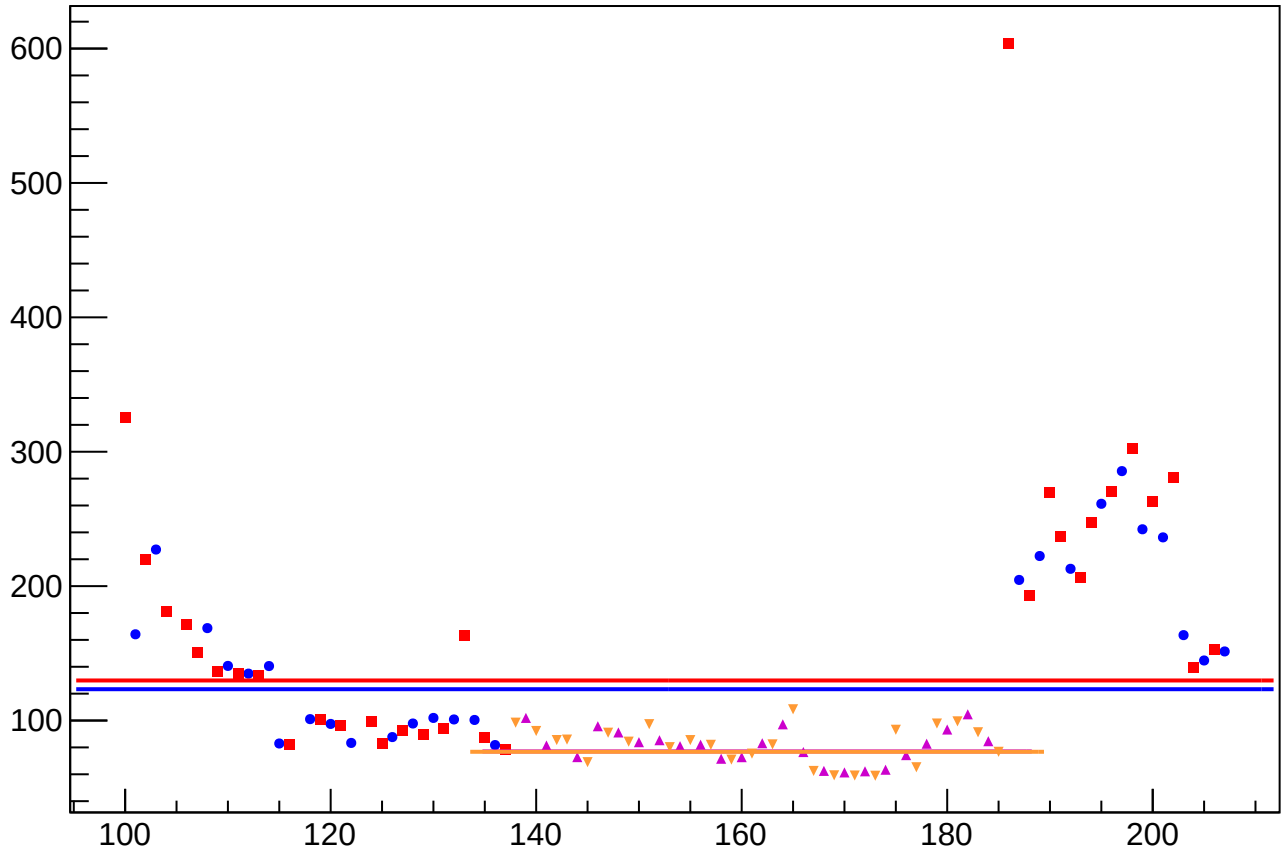
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 4.187+/-24.934 χ^2/NDF: 72.7/56

In: 58.300+/-16.342 χ^2/NDF:63.2/48

Out: 42.726+/-16.032 χ^2/NDF:86.5/55

All: 50.363+/-11.444 χ^2/NDF: 150.2/104



Right In: 123.305+/-0.025 χ^2/NDF: 4119970.1/25

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

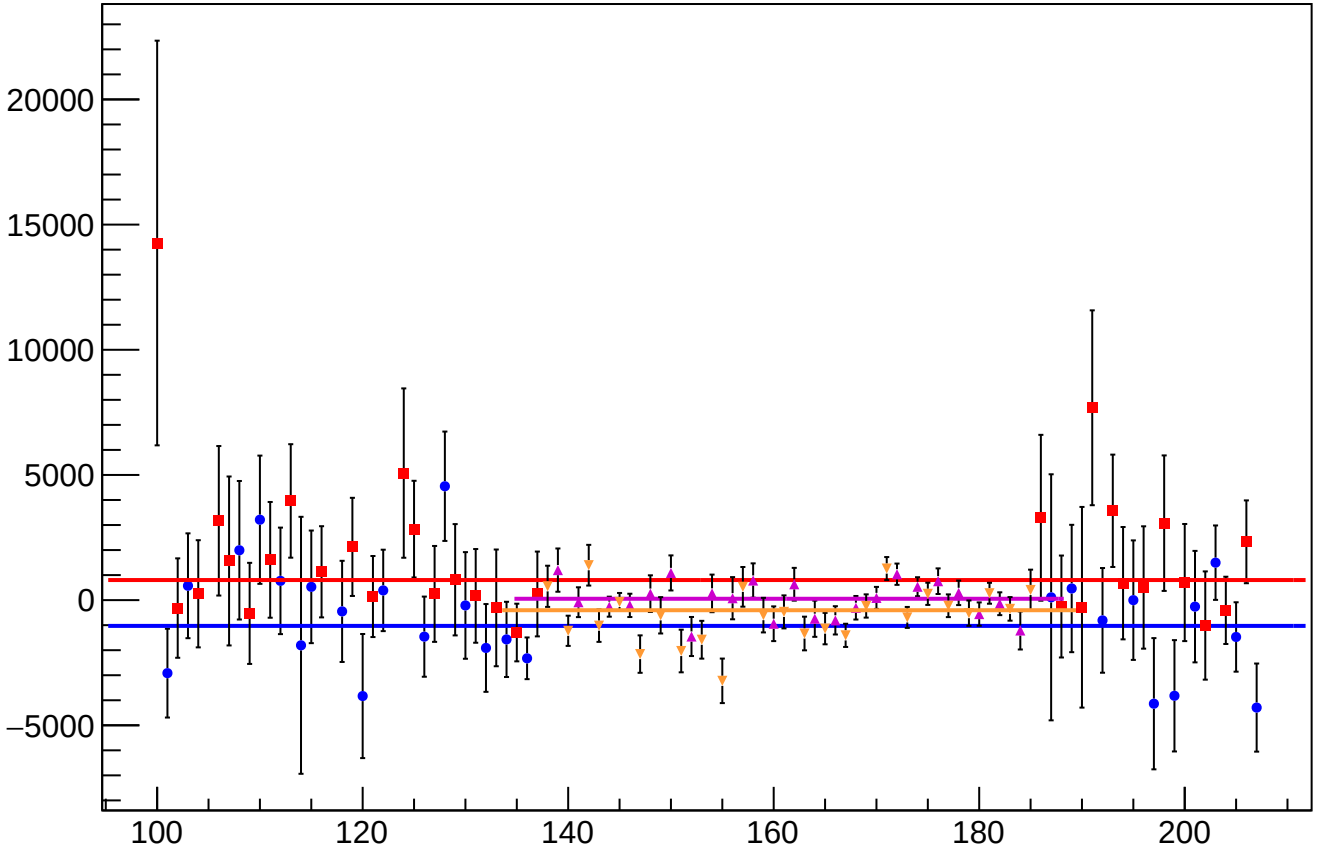
Right: 126.486+/-0.018 χ^2/NDF: 9580945.2/56

In: 87.173+/-0.012 χ^2/NDF:7726423.5/48

Out: 87.477+/-0.011 χ^2/NDF:10196901.2/55

All: 87.328+/-0.008 χ^2/NDF: 17923677.2/104

asym_sam_3726_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1029.227+/-363.988 χ^2/NDF: 28.7/25

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

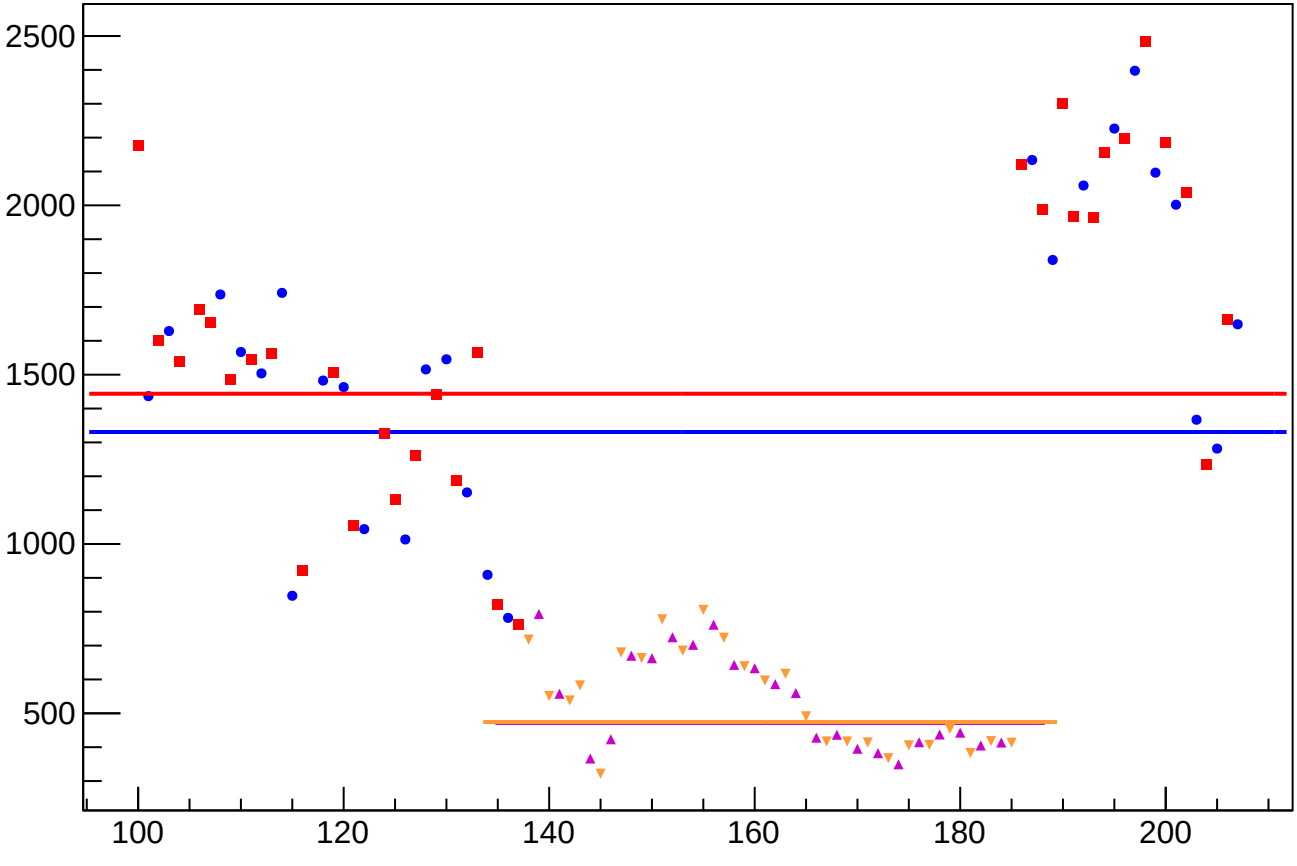
Right: -139.026+/-260.937 χ^2/NDF: 63.2/56

In: -42.935+/-108.983 χ^2/NDF:67.4/48

Out: -304.659+/-107.099 χ^2/NDF:92.5/55

All: -176.078+/-76.388 χ^2/NDF: 162.8/104

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1330.716+/-0.257 χ^2/NDF: 2942601.8/25

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

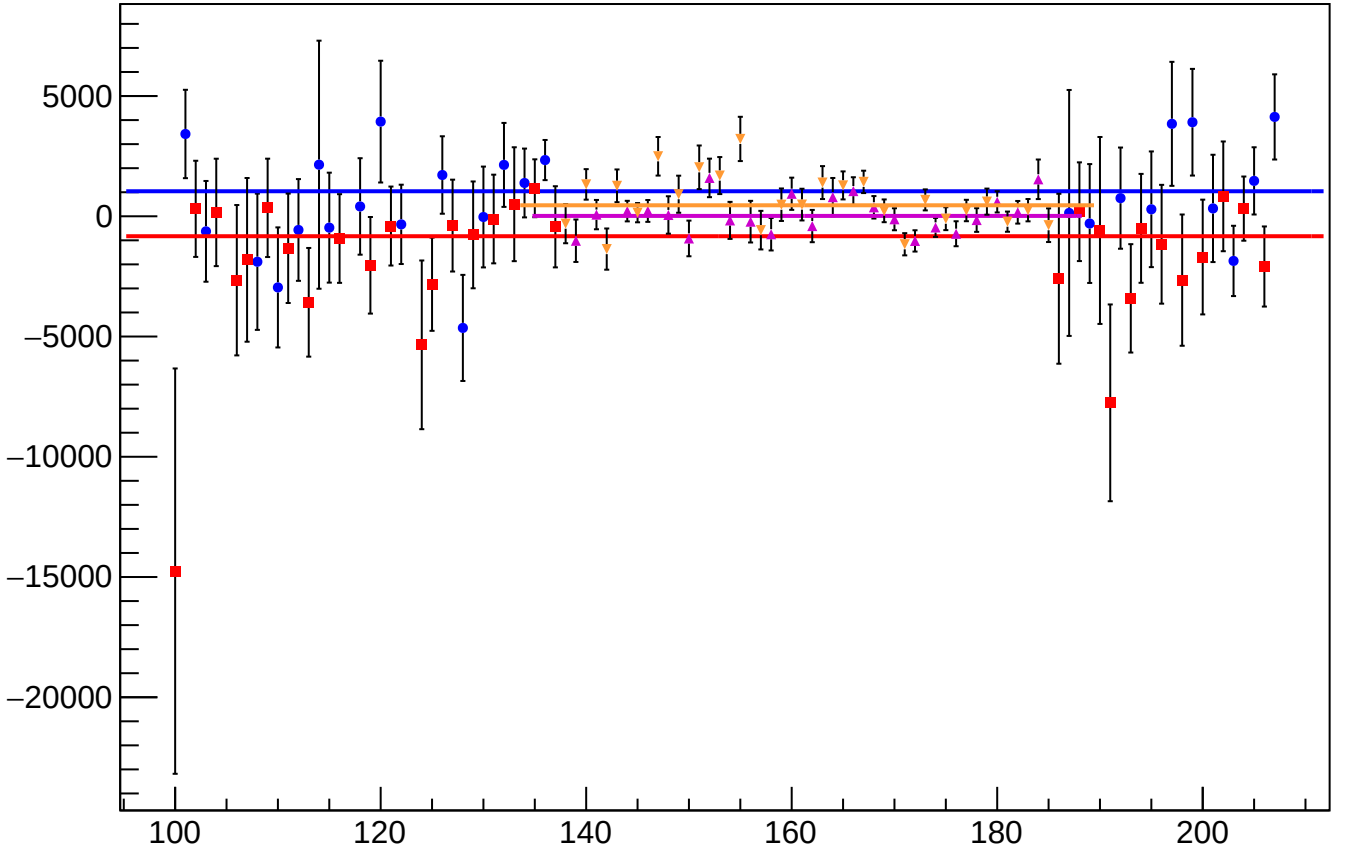
Right: 1385.643+/-0.185 χ^2/NDF: 5990697.5/56

In: 548.487+/-0.077 χ^2/NDF:15298380.8/48

Out: 553.675+/-0.076 χ^2/NDF:17812694.2/55

All: 551.126+/-0.054 χ^2/NDF: 33113380.2/10

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 1040.849+/-363.744 χ^2/NDF: 29.5/25

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

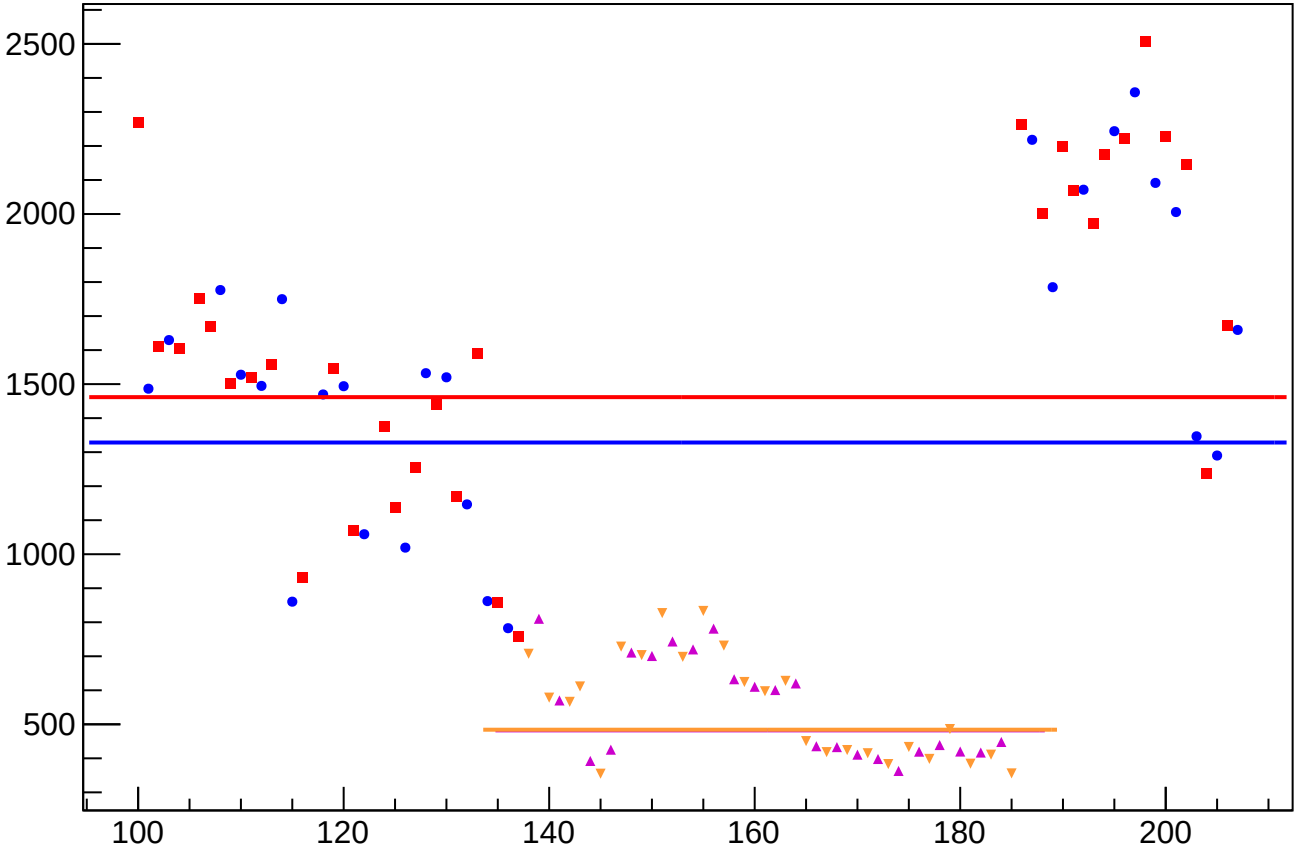
Right: 144.651+/-262.476 χ^2/NDF: 61.3/56

In: 110.820+/-111.122 χ^2/NDF:67.0/48

Out: 350.031+/-109.480 χ^2/NDF:89.1/55

All: 232.206+/-77.988 χ^2/NDF: 158.5/104

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1328.339+/-0.257 χ^2/NDF: 2976193.0/25

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

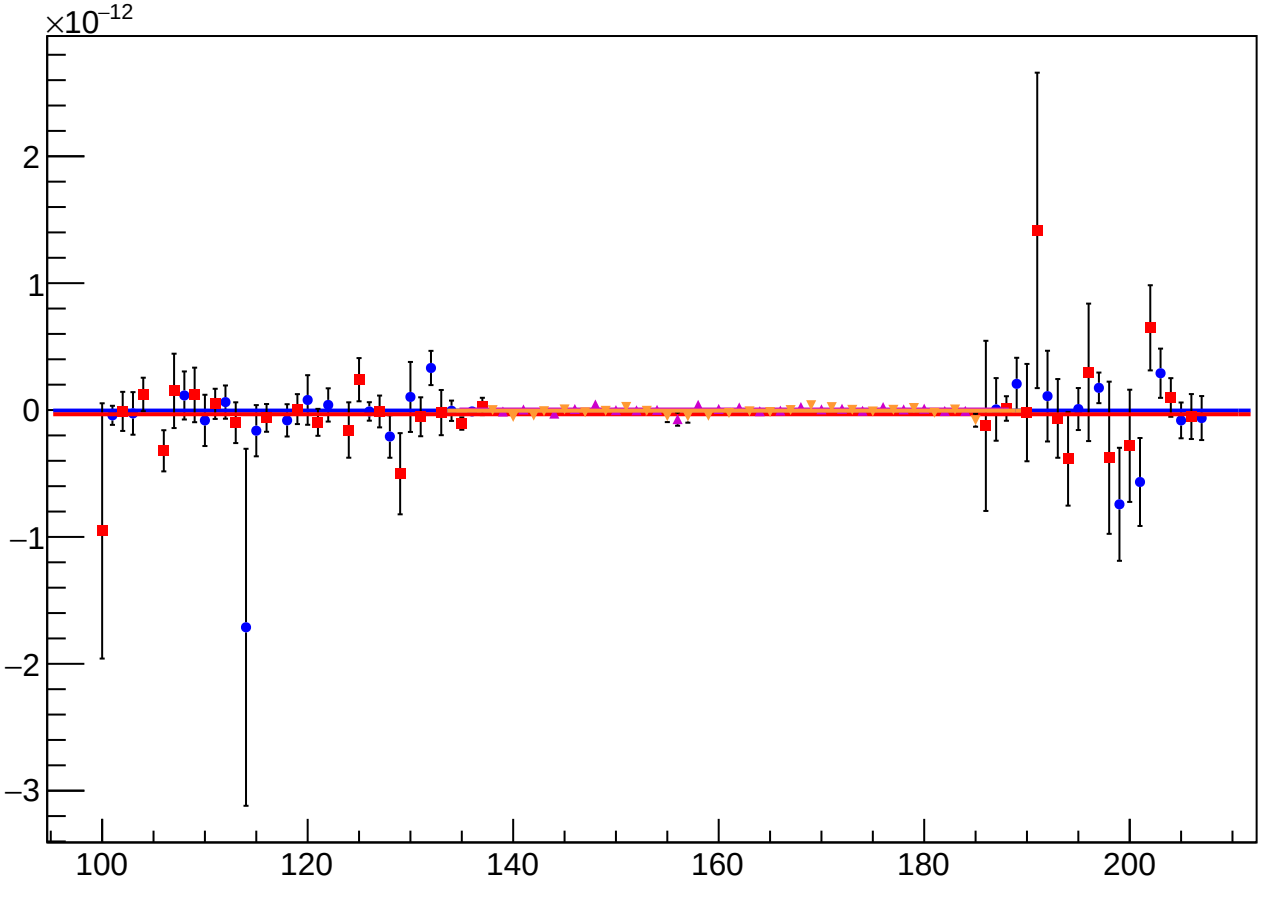
Right: 1392.268+/-0.186 χ^2/NDF: 6059448.9/56

In: 561.131+/-0.079 χ^2/NDF:14976157.6/48

Out: 565.646+/-0.077 χ^2/NDF:17691522.4/55

All: 563.422+/-0.055 χ^2/NDF: 32669355.2/10

asym_sam_3726_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/25

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

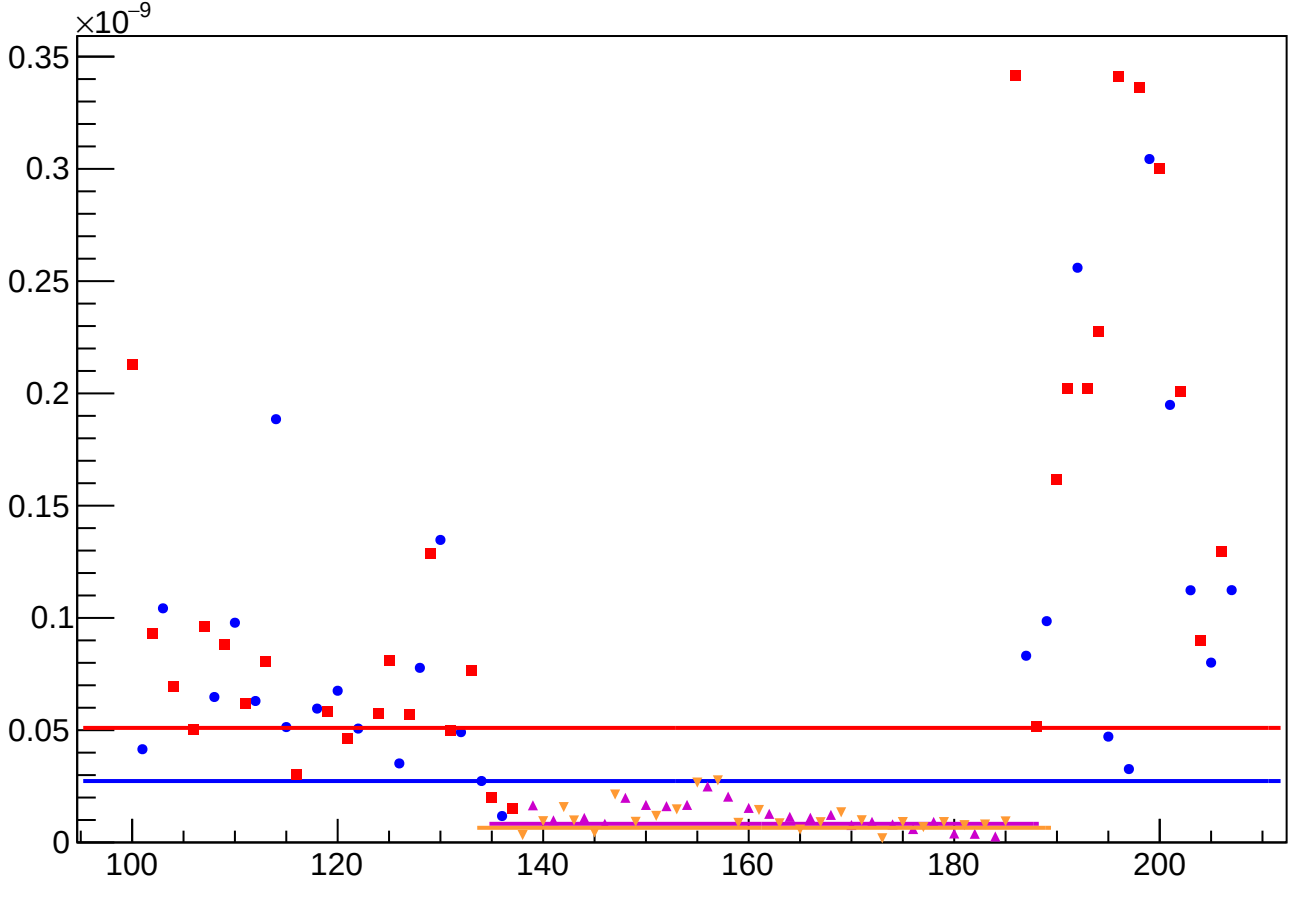
Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

Right: -0.000+/-0.000 χ^2/NDF: 48.3/56

In: 0.000+/-0.000 χ^2/NDF:38.5/48

Out: -0.000+/-0.000 χ^2/NDF:56.4/55

All: -0.000+/-0.000 χ^2/NDF: 98.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 6585178.0/25

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

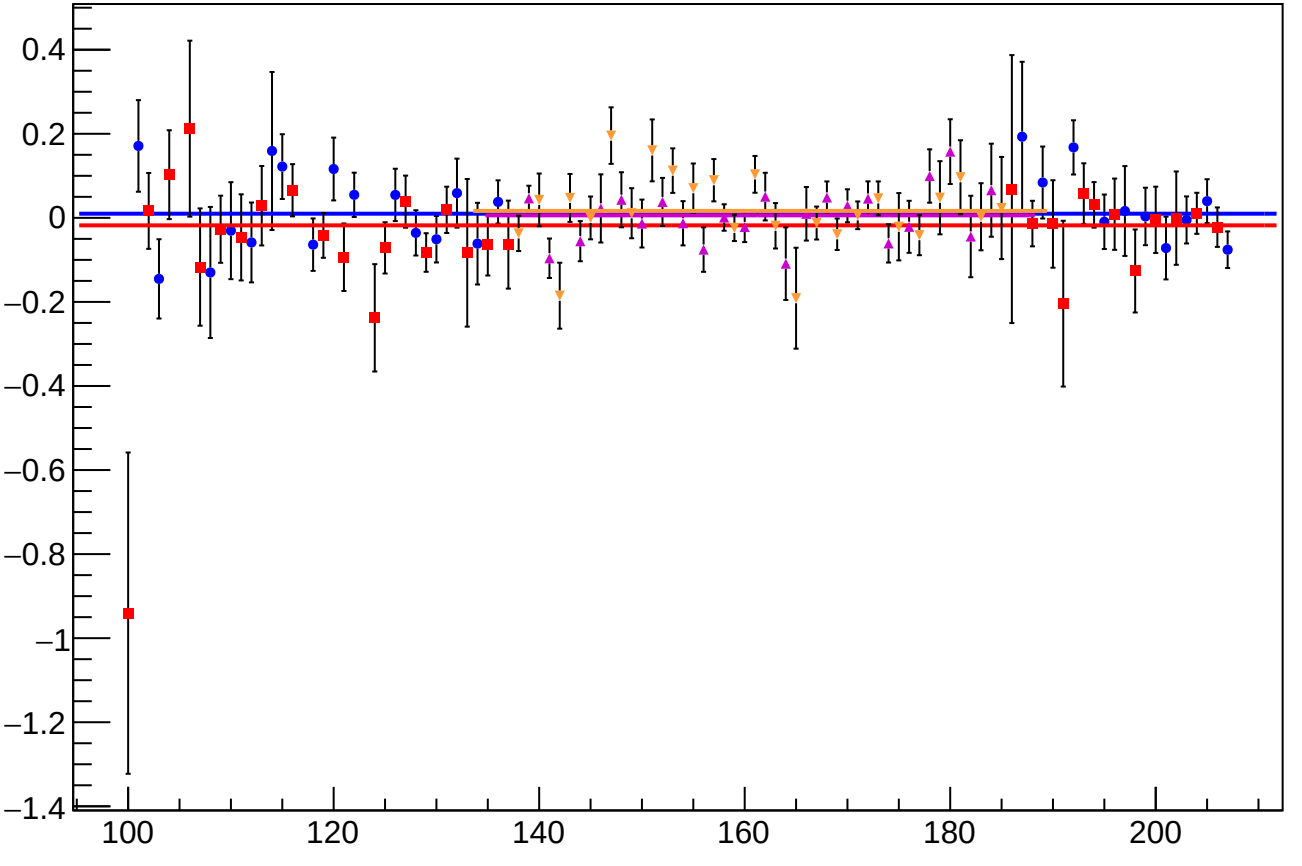
Right: 0.000+/-0.000 χ^2/NDF: 14013785.6/56

In: 0.000+/-0.000 χ^2/NDF:11869909.6/48

Out: 0.000+/-0.000 χ^2/NDF:16140569.7/55

All: 0.000+/-0.000 χ^2/NDF: 28353167.1/104

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.014 χ^2/NDF: 30.2/25

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

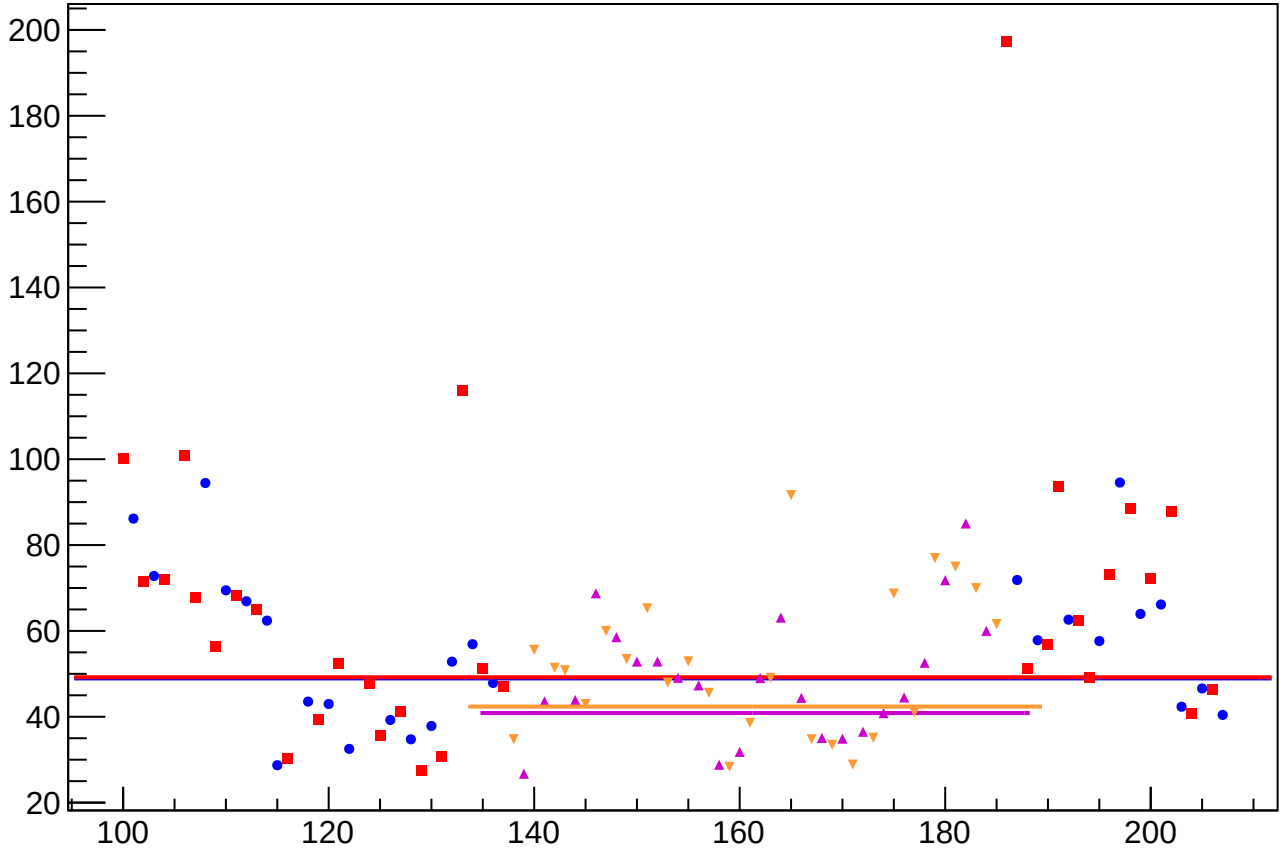
Right: -0.004+/-0.010 χ^2/NDF: 56.8/56

In: 0.007+/-0.008 χ^2/NDF:56.2/48

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.006+/-0.006 χ^2/NDF: 126.0/104

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.929+/-0.010 χ^2/NDF: 2179486.0/25

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

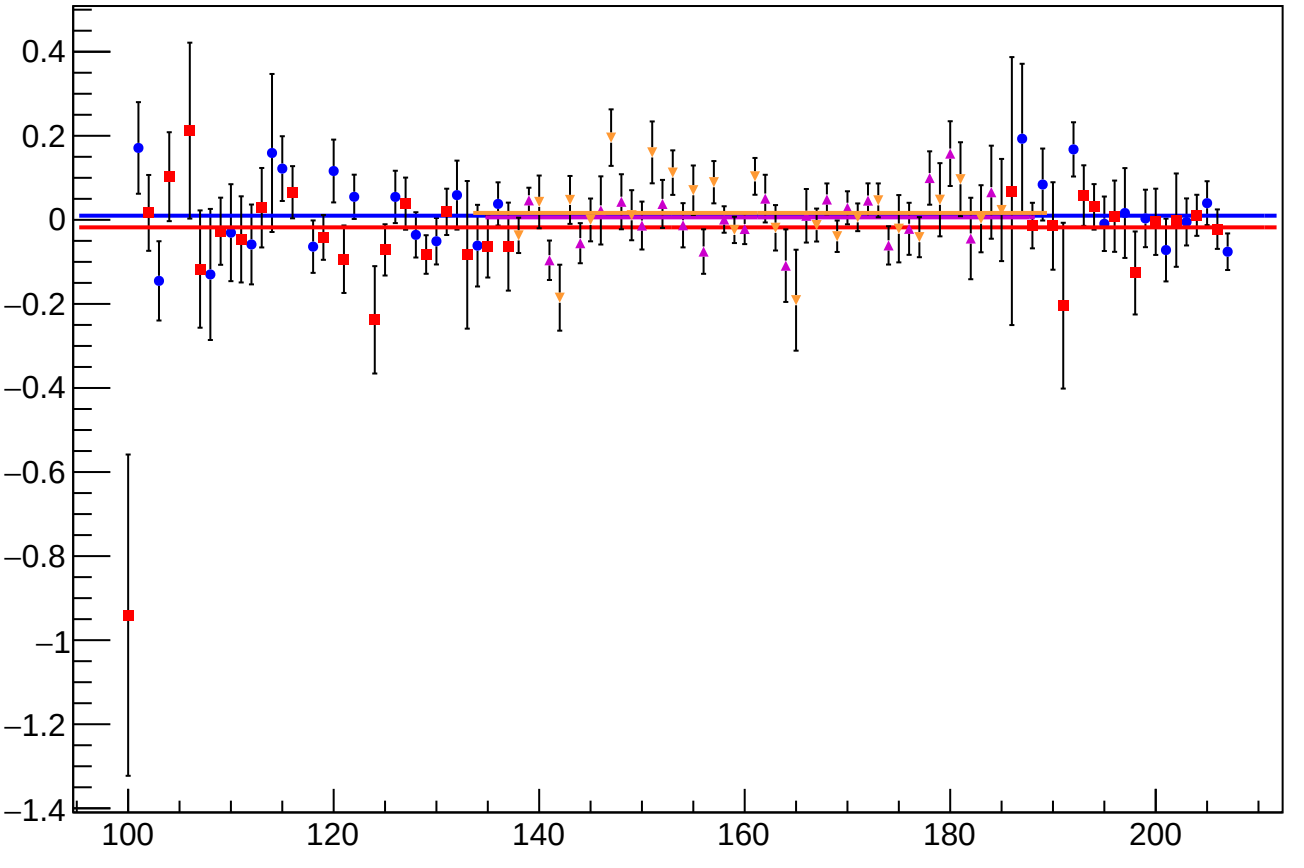
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.068+/-0.007 χ^2/NDF: 5654218.8/56

In: 43.778+/-0.006 χ^2/NDF:5299048.3/48

Out: 44.901+/-0.006 χ^2/NDF:6987524.1/55

All: 44.341+/-0.004 χ^2/NDF: 12305243.2/104



Right In: 0.010+/-0.014 χ^2/NDF: 30.2/25

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

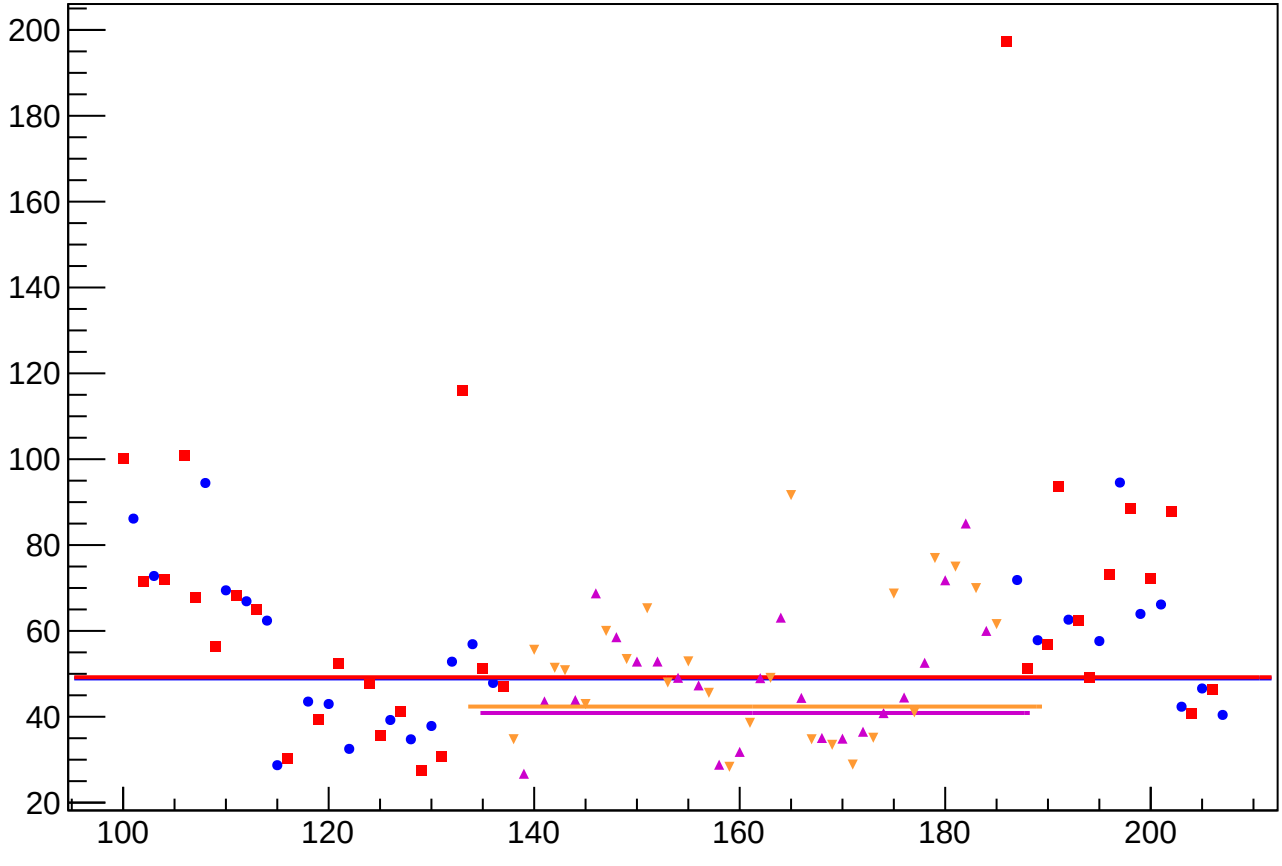
Right: -0.004+/-0.010 χ^2/NDF: 56.8/56

In: 0.007+/-0.008 χ^2/NDF:56.2/48

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.006+/-0.006 χ^2/NDF: 126.0/104

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.929+/-0.010 χ^2/NDF: 2179486.0/25

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

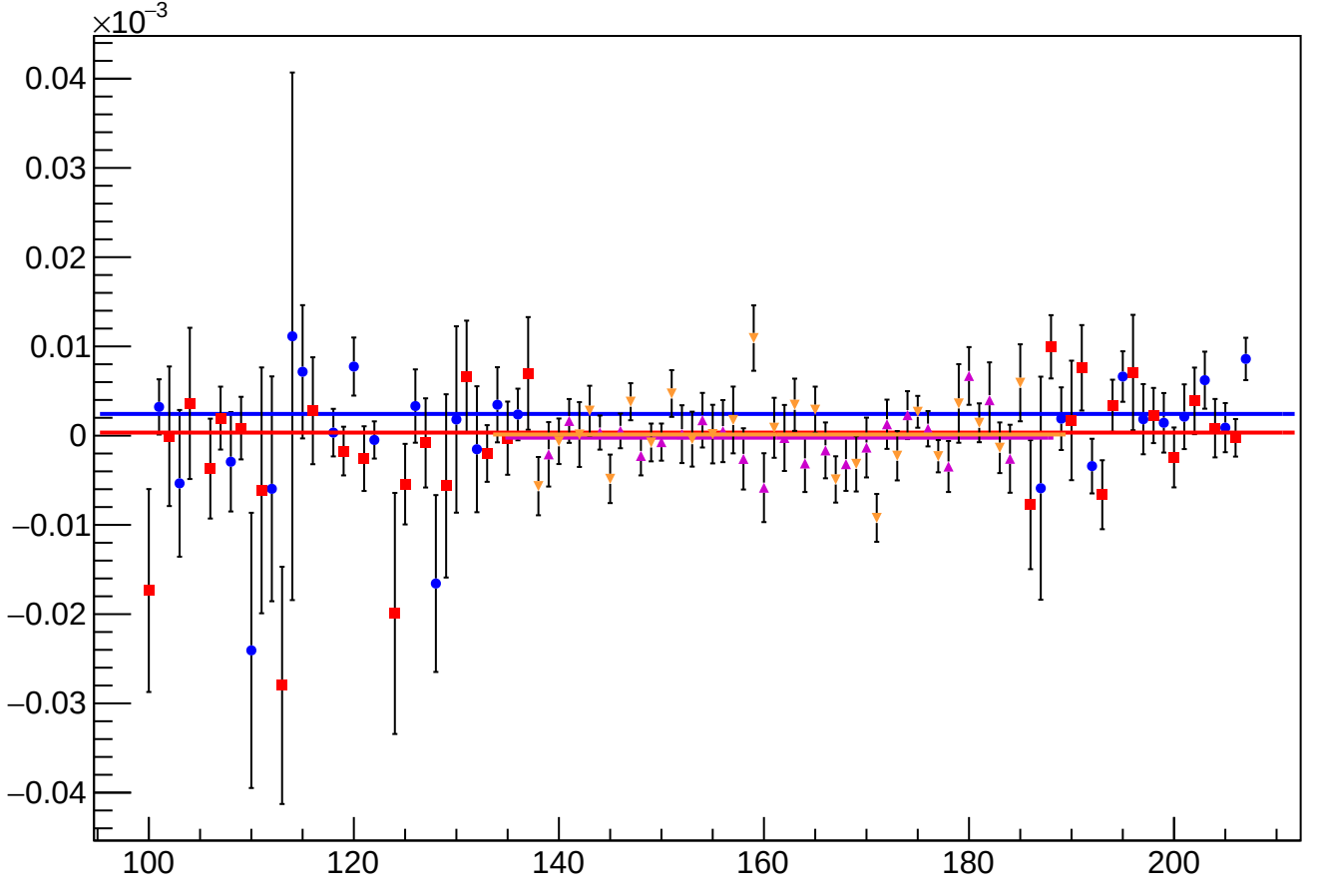
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.068+/-0.007 χ^2/NDF: 5654218.8/56

In: 43.778+/-0.006 χ^2/NDF:5299048.3/48

Out: 44.901+/-0.006 χ^2/NDF:6987524.1/55

All: 44.341+/-0.004 χ^2/NDF: 12305243.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/25

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

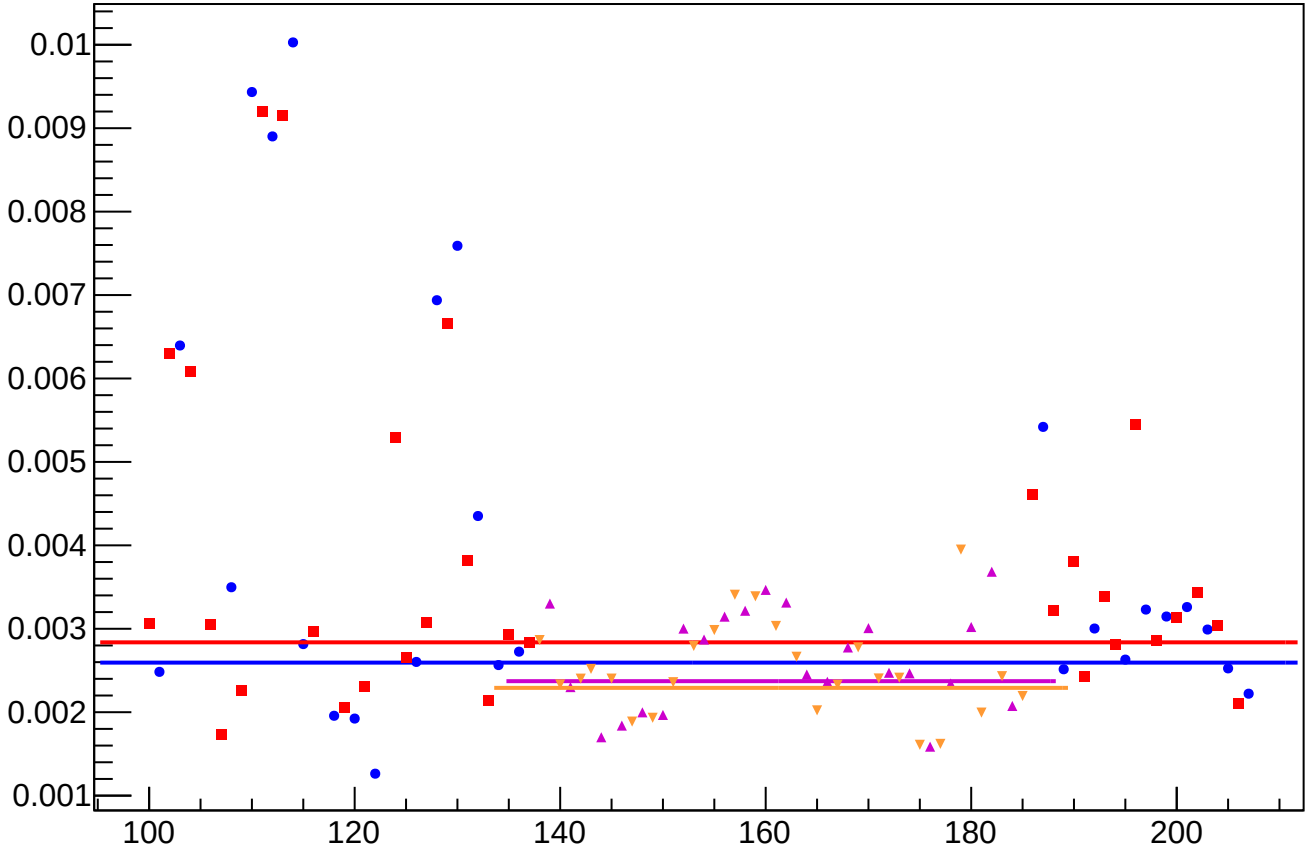
Right: 0.000+/-0.000 χ^2/NDF: 68.8/56

In: 0.000+/-0.000 χ^2/NDF:54.0/48

Out: 0.000+/-0.000 χ^2/NDF:84.8/55

All: 0.000+/-0.000 χ^2/NDF: 139.7/104

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3886302.8/25

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

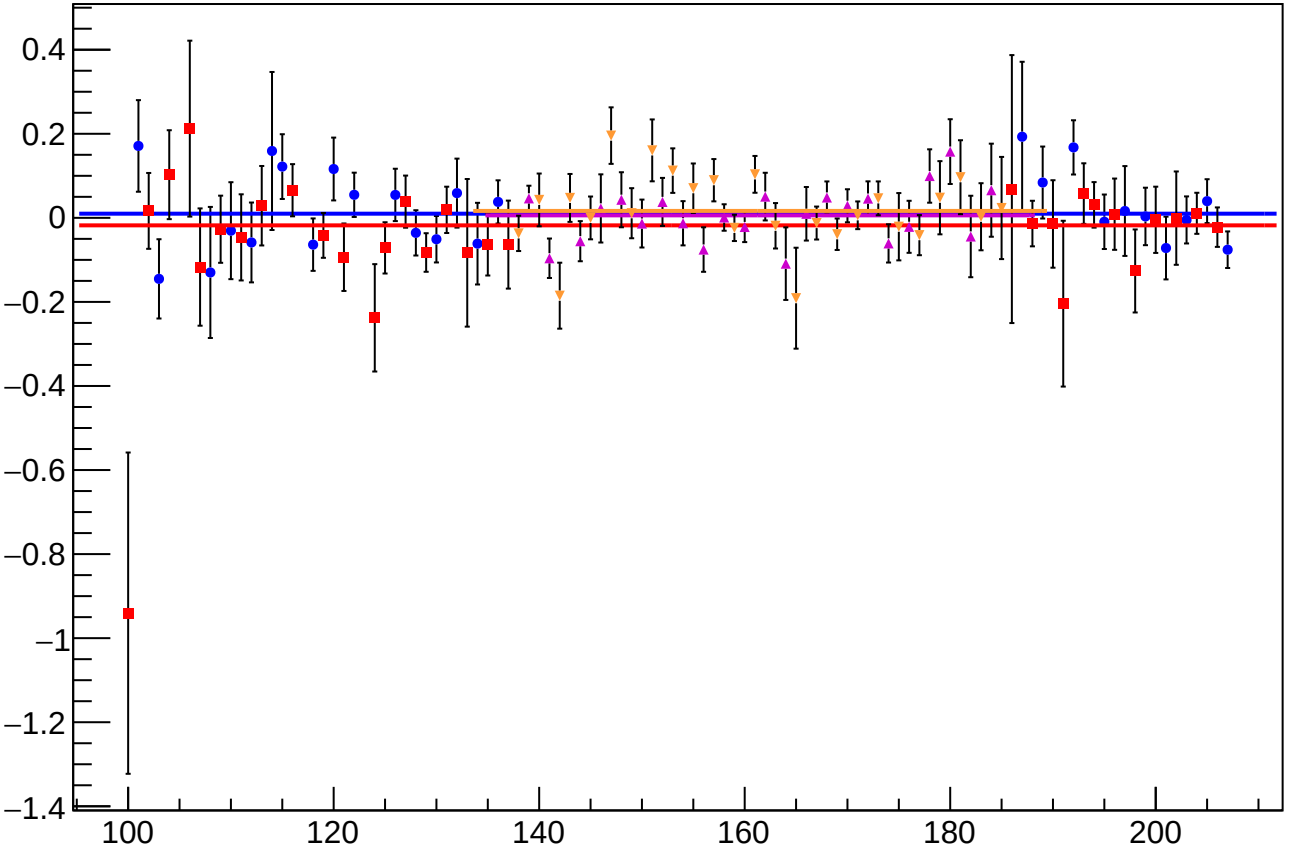
Right: 0.003+/-0.000 χ^2/NDF: 7402465.7/56

In: 0.002+/-0.000 χ^2/NDF:6020898.1/48

Out: 0.002+/-0.000 χ^2/NDF:5921338.7/55

All: 0.002+/-0.000 χ^2/NDF: 11943731.0/104

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.014 χ^2/NDF: 30.2/25

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

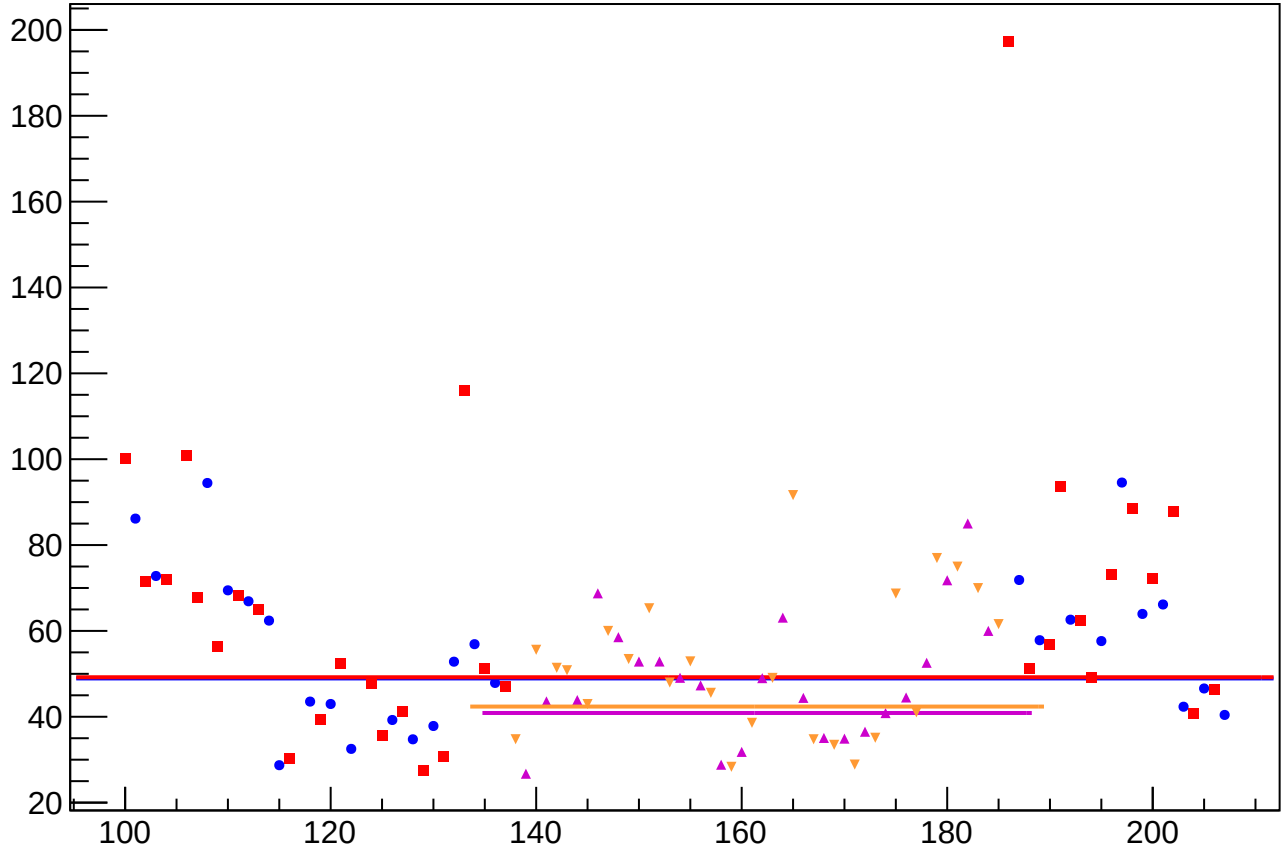
Right: -0.004+/-0.010 χ^2/NDF: 56.8/56

In: 0.007+/-0.008 χ^2/NDF:56.2/48

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.006+/-0.006 χ^2/NDF: 126.0/104

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.929+/-0.010 χ^2/NDF: 2179444.9/25

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

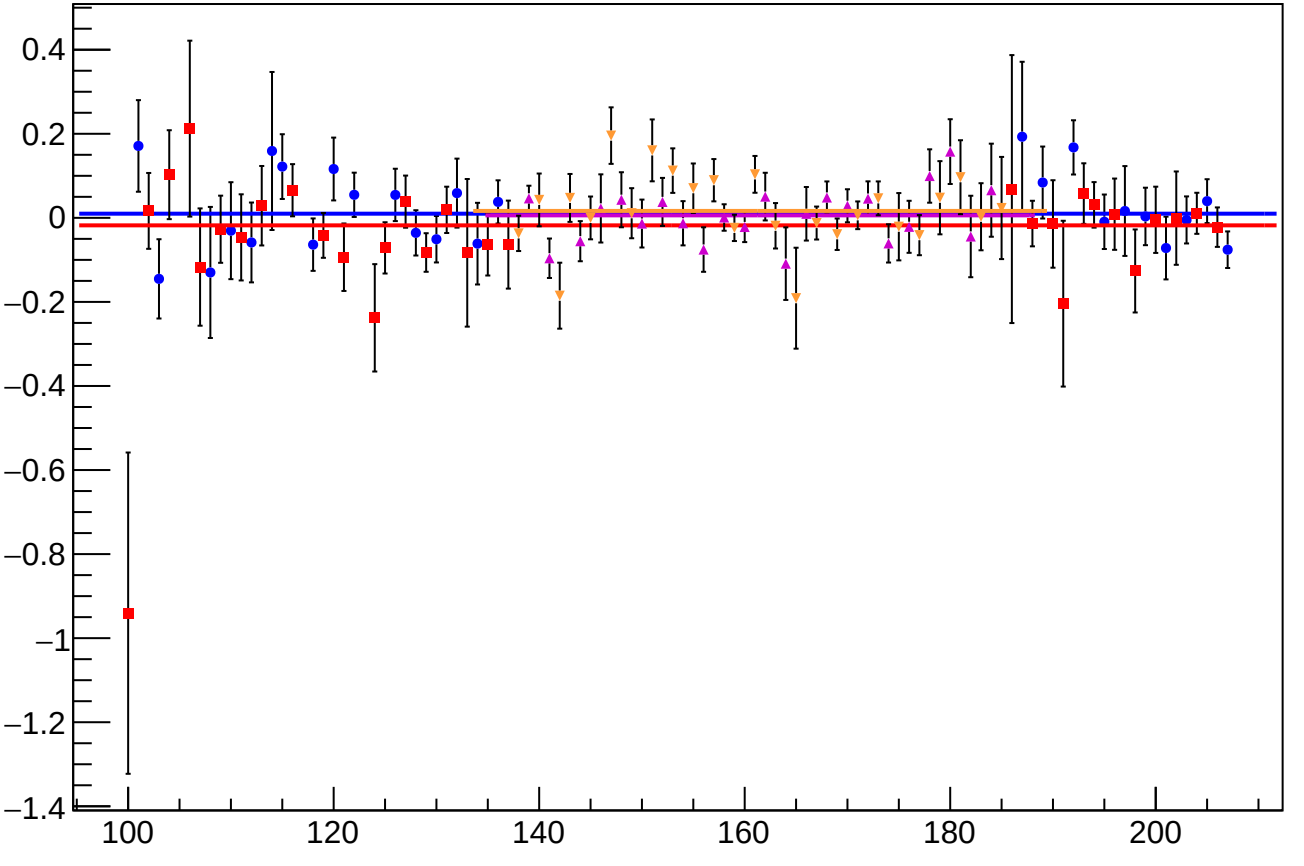
Right: 49.068+/-0.007 χ^2/NDF: 5654082.4/56

In: 43.779+/-0.006 χ^2/NDF:5298977.7/48

Out: 44.902+/-0.006 χ^2/NDF:6987445.7/55

All: 44.341+/-0.004 χ^2/NDF: 12305095.6/104

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.014 χ^2/NDF: 30.2/25

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

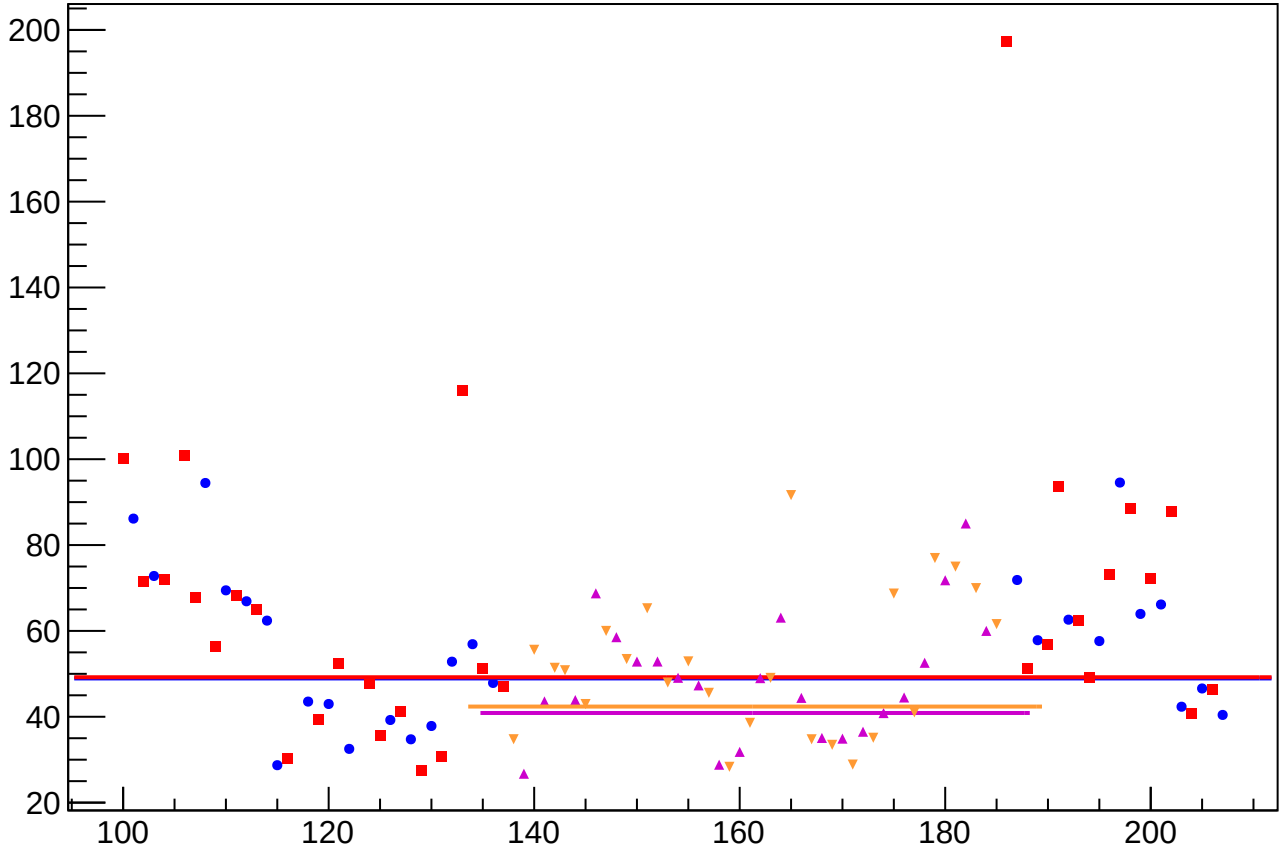
Right: -0.004+/-0.010 χ^2/NDF: 56.8/56

In: 0.007+/-0.008 χ^2/NDF:56.2/48

Out: 0.004+/-0.008 χ^2/NDF:69.7/55

All: 0.006+/-0.006 χ^2/NDF: 126.0/104

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 48.929+/-0.010 χ^2/NDF: 2179444.9/25

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

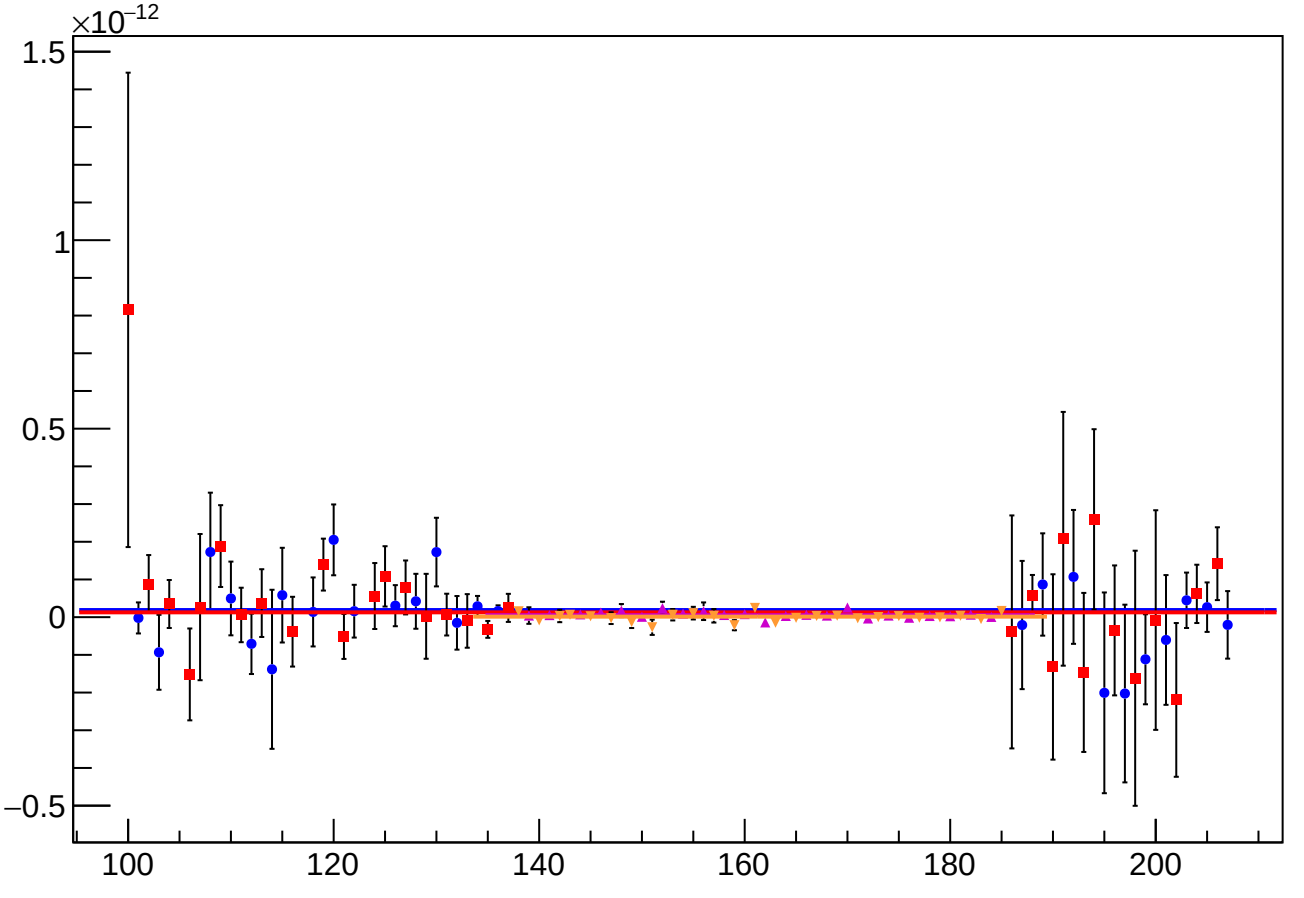
Right: 49.068+/-0.007 χ^2/NDF: 5654082.4/56

In: 43.779+/-0.006 χ^2/NDF:5298977.7/48

Out: 44.902+/-0.006 χ^2/NDF:6987445.7/55

All: 44.341+/-0.004 χ^2/NDF: 12305095.6/104

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 15.7/25

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/30

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

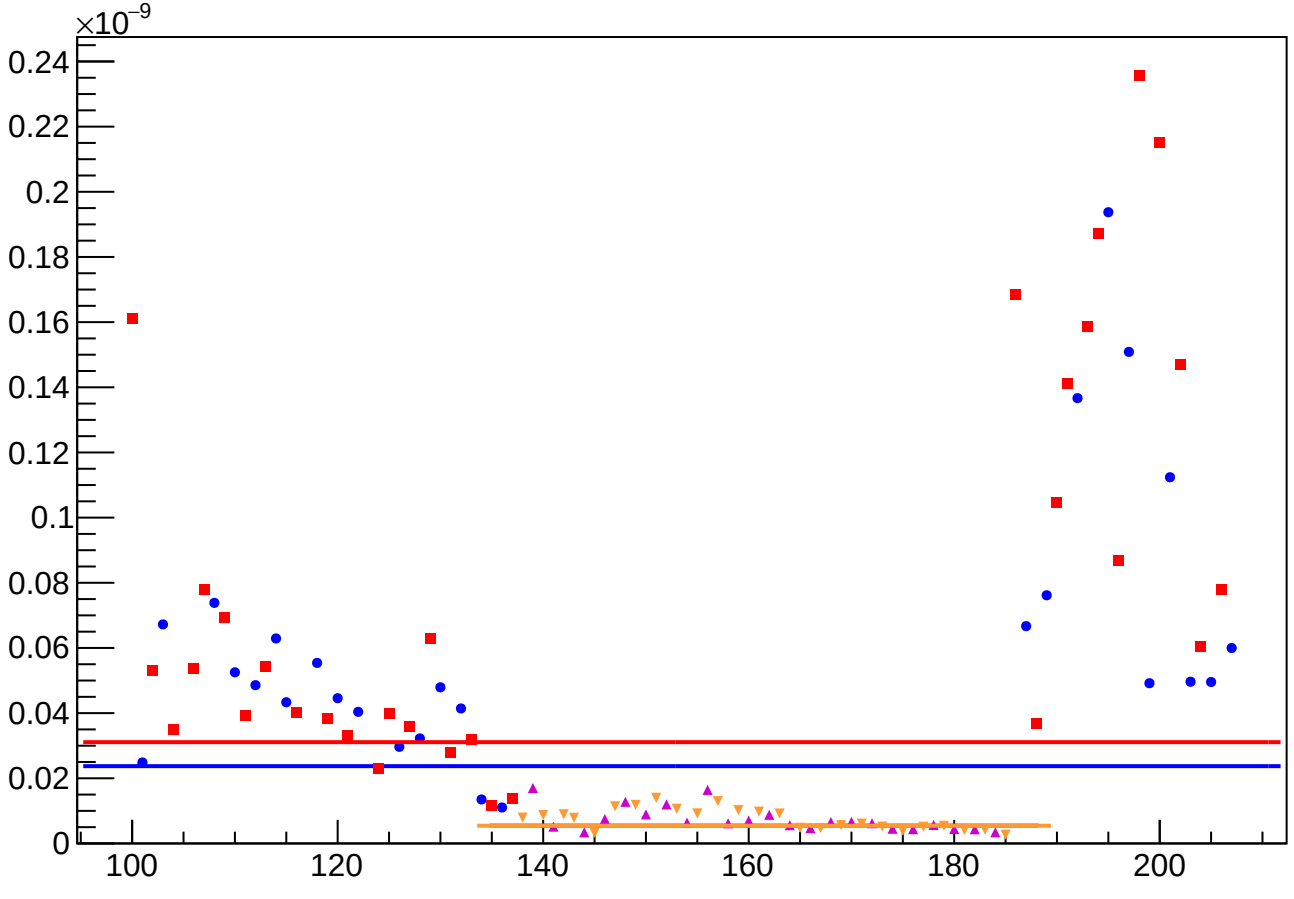
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 41.5/56

In: 0.000+/-0.000 χ^2/NDF:30.5/48

Out: 0.000+/-0.000 χ^2/NDF:46.2/55

All: 0.000+/-0.000 χ^2/NDF: 79.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 7648526.6/25

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

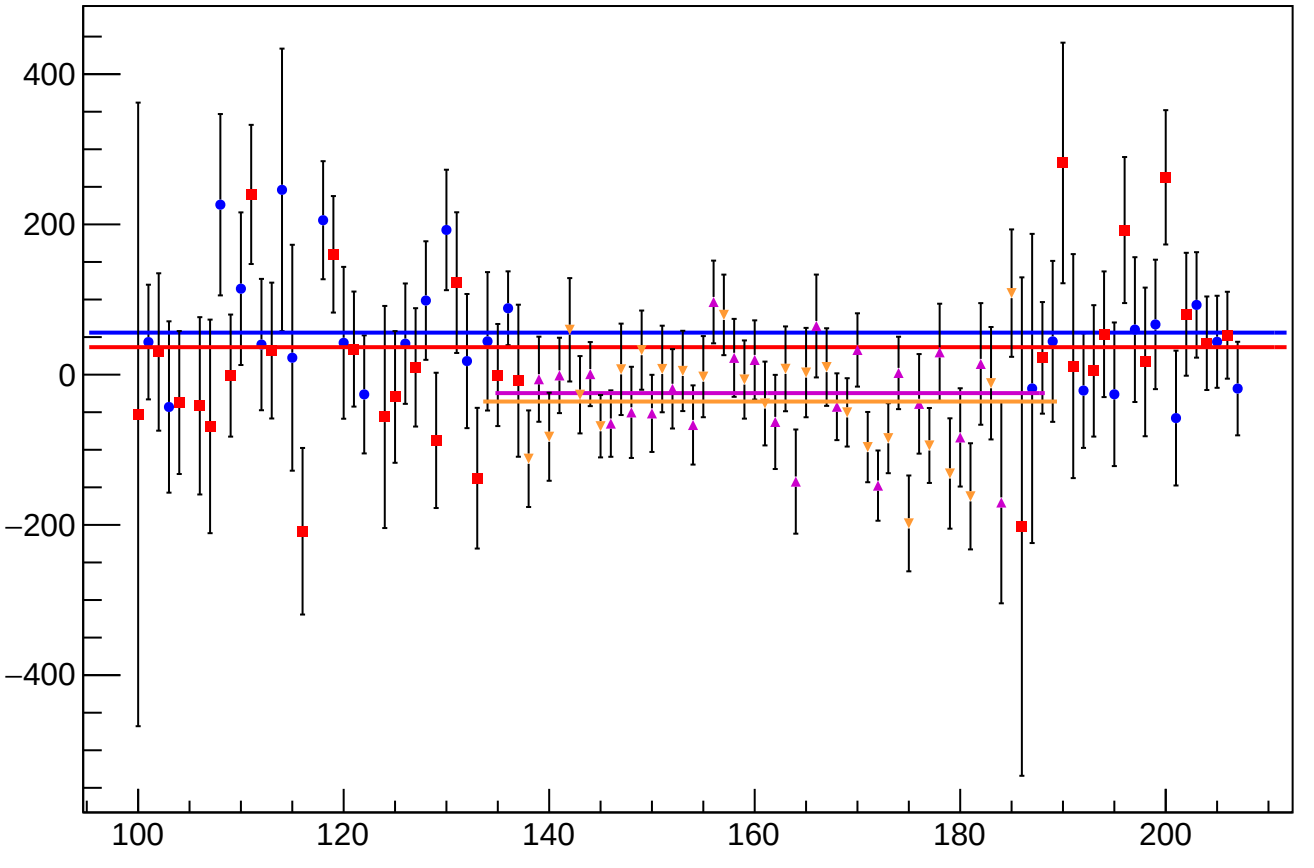
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 16610510.8/56

In: 0.000+/-0.000 χ^2/NDF:16147355.0/48

Out: 0.000+/-0.000 χ^2/NDF:20217222.8/55

All: 0.000+/-0.000 χ^2/NDF: 36366386.3/104



Right In: 55.932+/-16.542 χ^2/NDF: 18.1/25

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

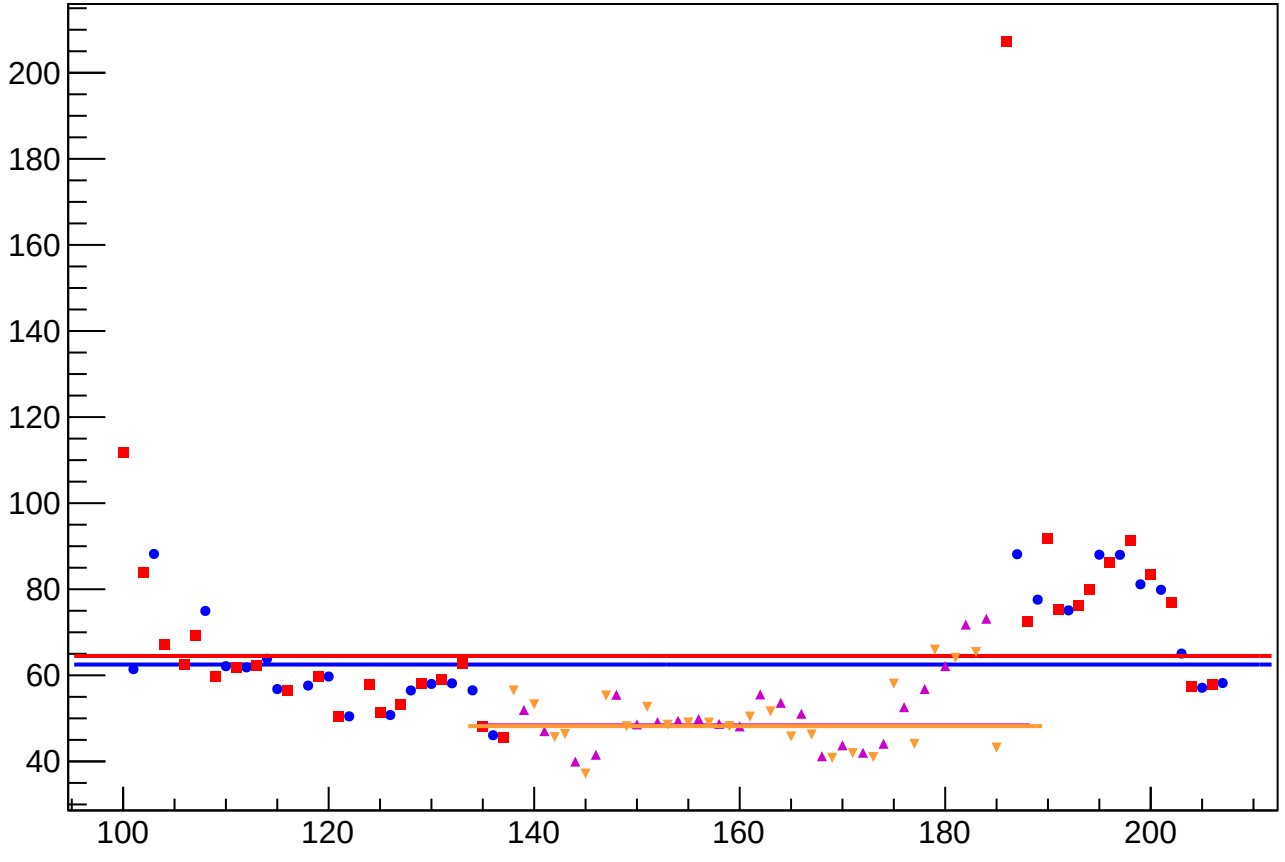
Right: 46.157+/-11.639 χ^2/NDF: 53.1/56

In: 1.569+/-9.426 χ^2/NDF:59.8/48

Out: -12.960+/-9.200 χ^2/NDF:81.4/55

All: -5.872+/-6.584 χ^2/NDF: 142.4/104

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.507+/-0.012 χ^2/NDF: 1083787.4/25

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

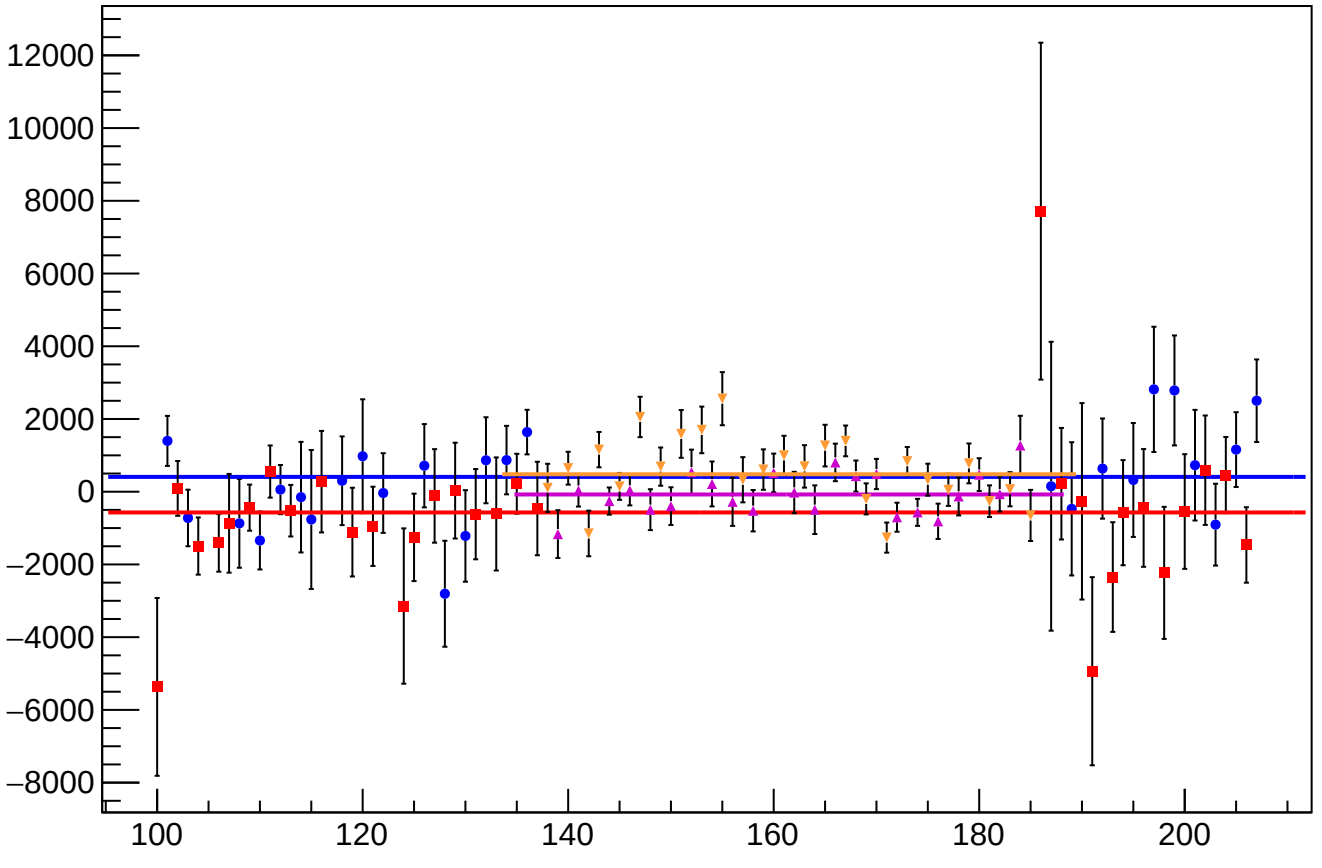
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 63.511+/-0.008 χ^2/NDF: 2585862.3/56

In: 52.967+/-0.007 χ^2/NDF:2764004.3/48

Out: 53.339+/-0.007 χ^2/NDF:3622978.2/55

All: 53.158+/-0.005 χ^2/NDF: 6388576.1/104



Right In: 407.576+/-212.242 χ^2/NDF: 32.2/25

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

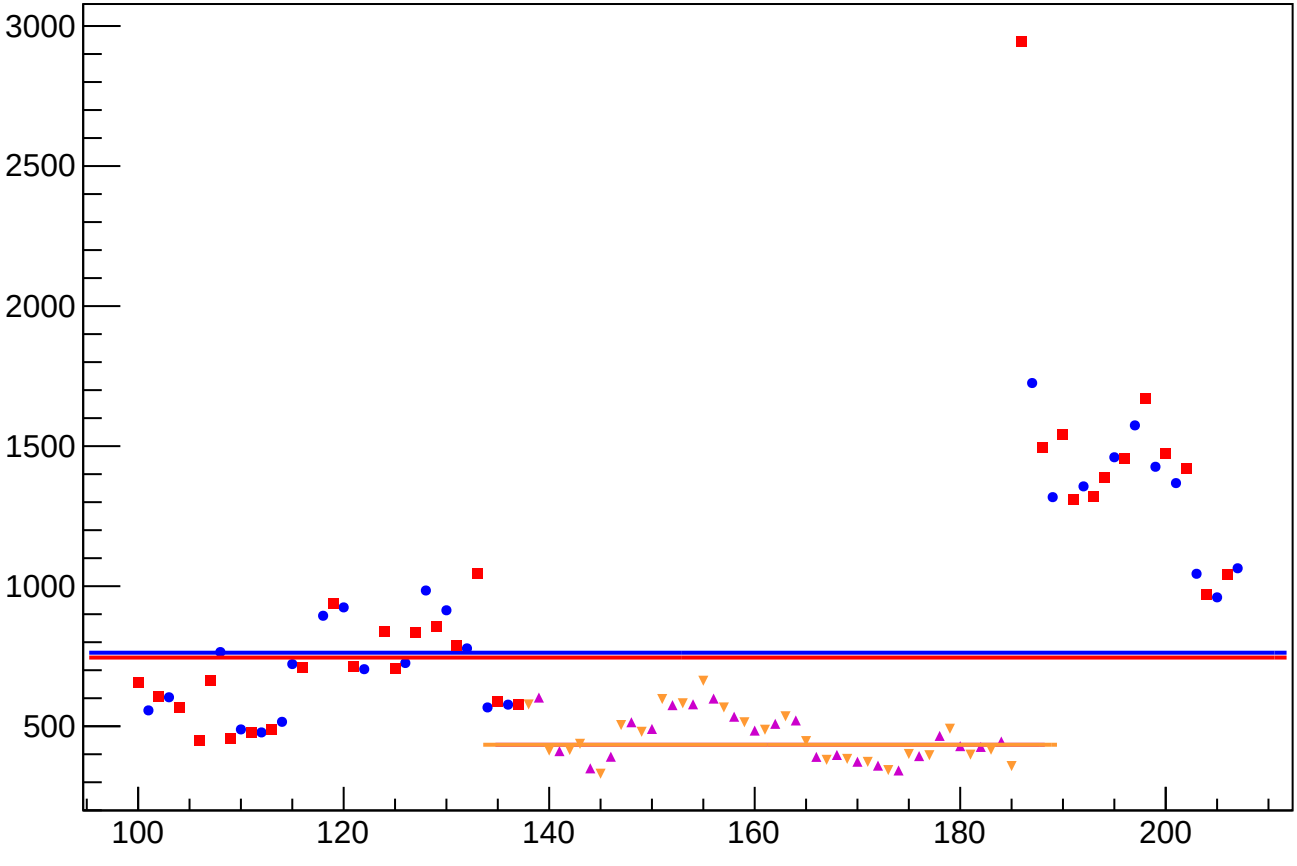
Right: -104.598+/-146.473 χ^2/NDF: 67.6/56

In: 16.638+/-92.758 χ^2/NDF:60.9/48

Out: 272.334+/-90.032 χ^2/NDF:115.1/55

All: 148.298+/-64.605 χ^2/NDF: 179.9/104

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 762.527+/-0.150 χ^2/NDF: 3861708.9/25

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

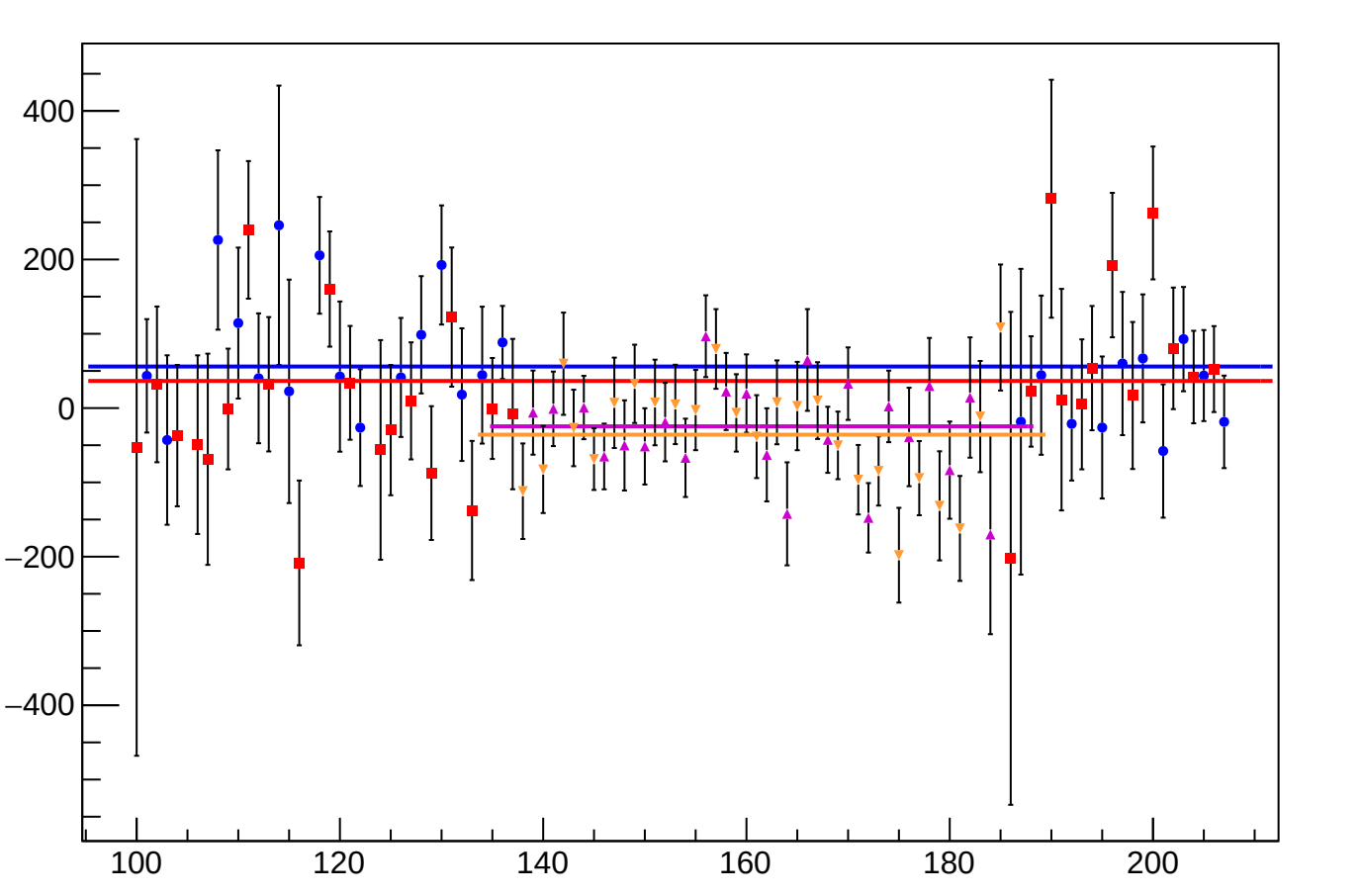
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 753.456+/-0.104 χ^2/NDF: 9429547.8/56

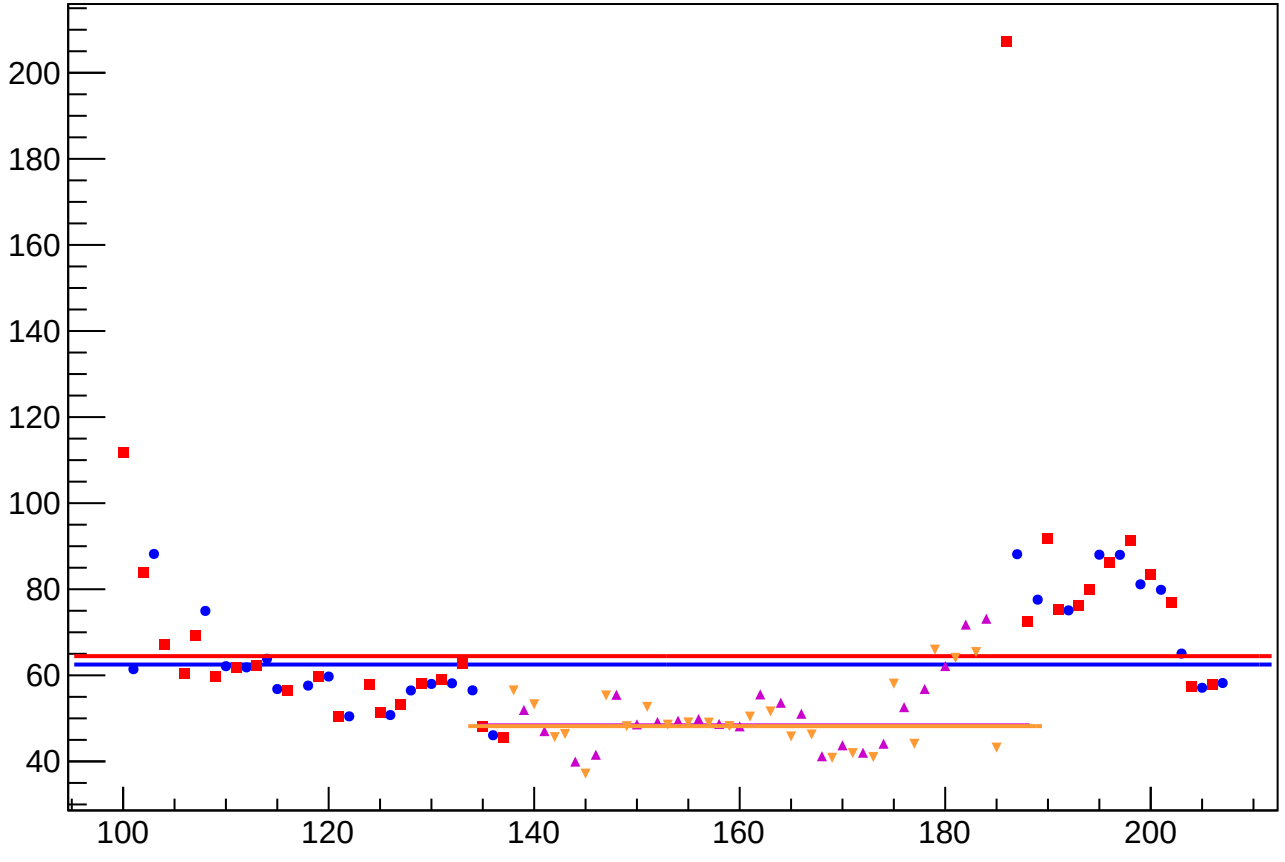
In: 496.524+/-0.066 χ^2/NDF:8839710.8/48

Out: 495.536+/-0.064 χ^2/NDF:10598768.4/55

All: 496.016+/-0.046 χ^2/NDF: 19438596.1/10


cor_asym_sam_15_48_dd_mean vs Slug, Sign Corrected
400
200
0
−200
−400
100
120
140
160
180
200
Right In: 55.935+/-16.542 χ²/NDF: 18.1/25
Left Out: -35.792+/-11.119 χ²/NDF:33.7/24
Right Out: 36.527+/-16.386 χ²/NDF: 34.4/30
Left In: -24.573+/-11.471 χ²/NDF:25.7/22
Left: -30.357+/-7.984 χ²/NDF: 59.9/47
Right: 46.138+/-11.641 χ²/NDF: 53.2/56
In: 1.569+/-9.426 χ²/NDF:59.8/48
Out: -12.990+/-9.201 χ²/NDF:81.5/55
All: -5.887+/-6.584 χ²/NDF: 142.5/104

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.507+/-0.012 χ^2/NDF: 1083790.8/25

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

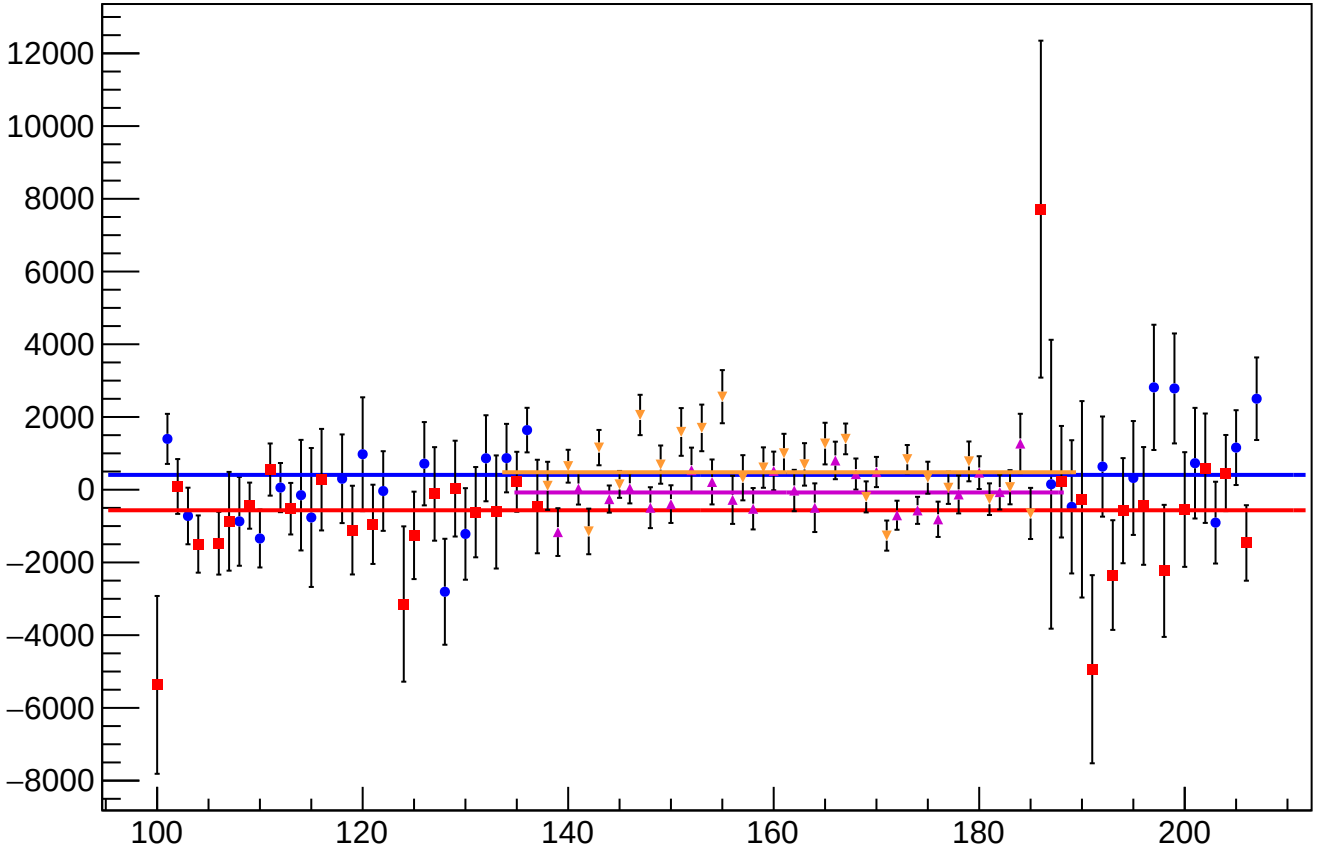
Right: 63.492+/-0.008 χ^2/NDF: 2587228.7/56

In: 52.967+/-0.007 χ^2/NDF:2764008.2/48

Out: 53.325+/-0.007 χ^2/NDF:3618219.4/55

All: 53.151+/-0.005 χ^2/NDF: 6383704.1/104

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 407.606+/-212.243 χ^2/NDF: 32.2/25

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

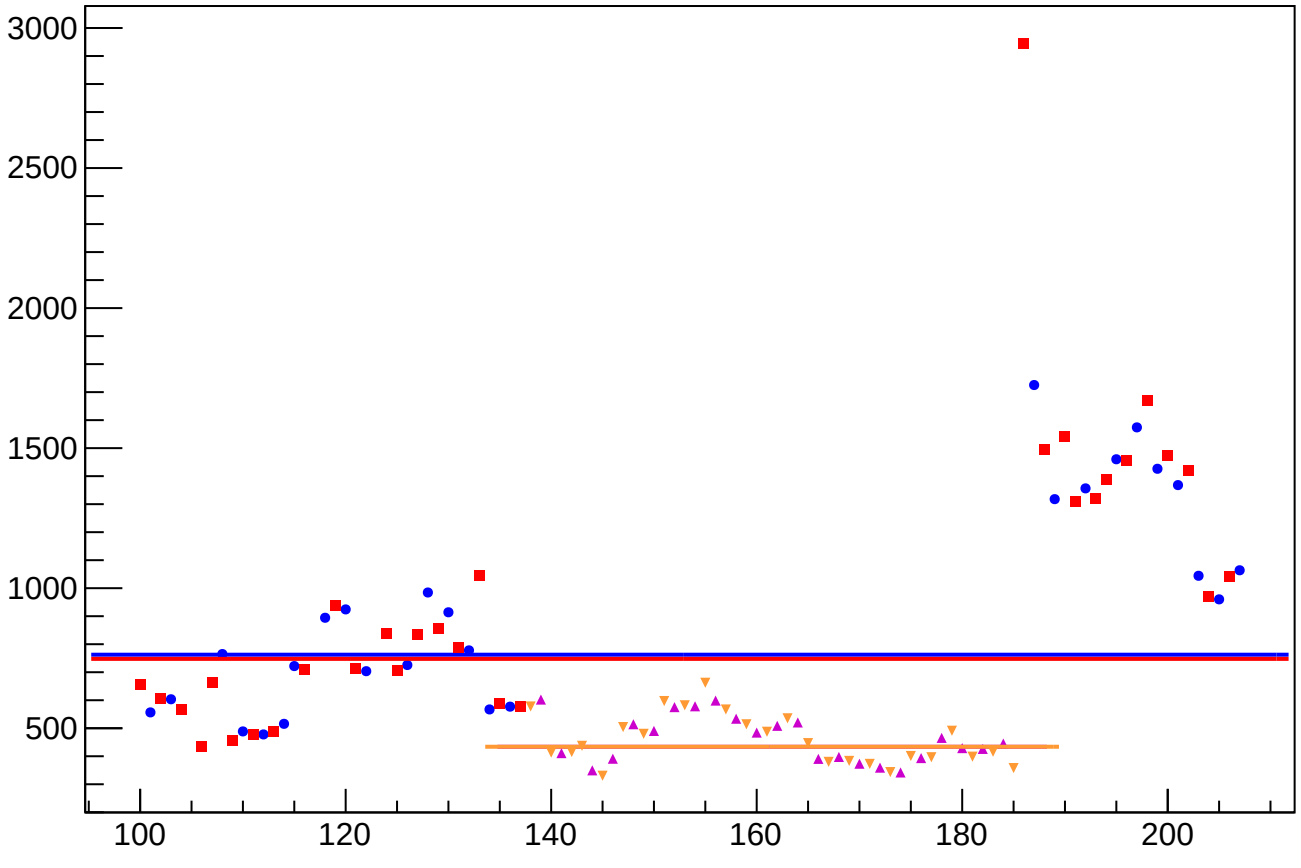
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -99.422+/-146.876 χ^2/NDF: 67.4/56

In: 16.640+/-92.758 χ^2/NDF:60.9/48

Out: 275.056+/-90.125 χ^2/NDF:114.7/55

All: 149.567+/-64.639 χ^2/NDF: 179.5/104



Right In: 762.532+/-0.150 χ^2/NDF: 3861648.5/25

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

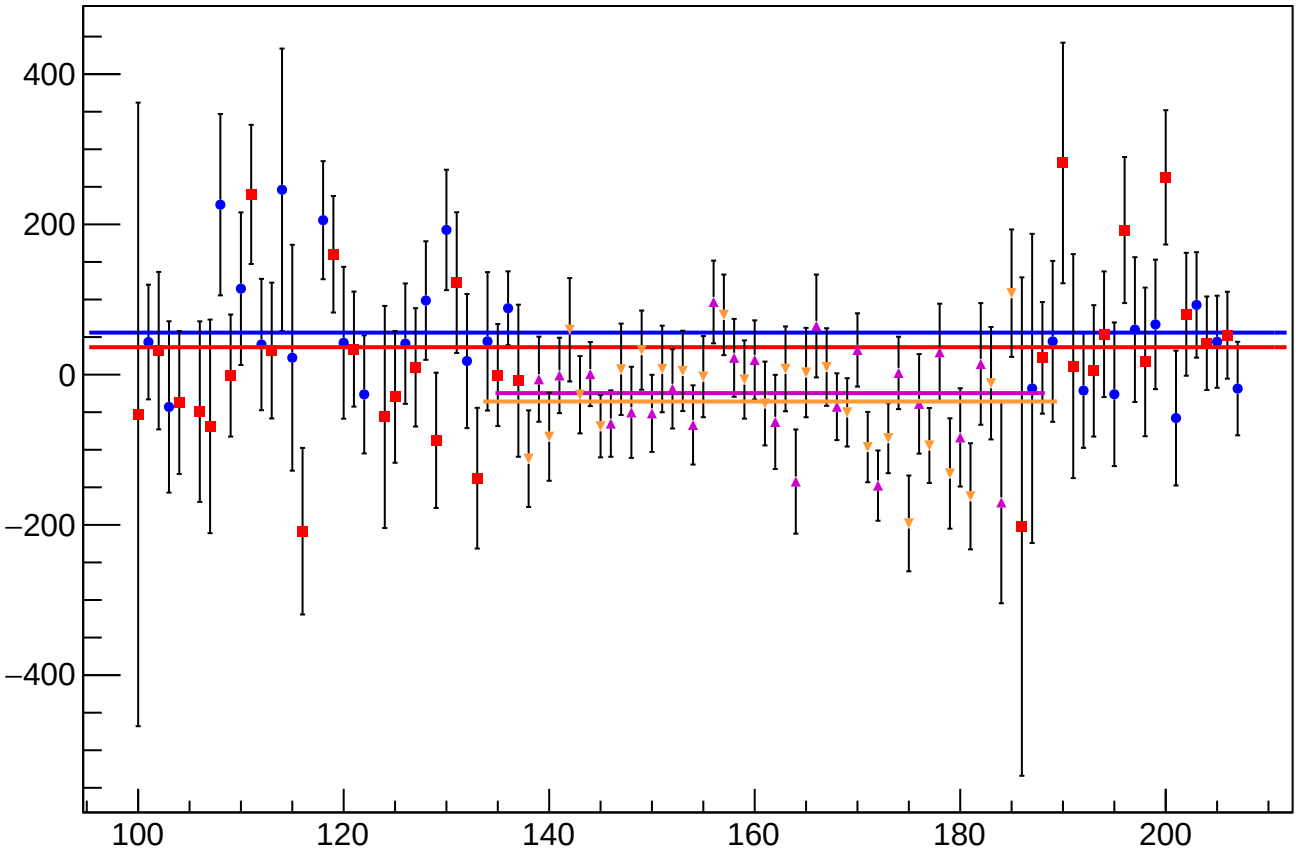
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 754.765+/-0.104 χ^2/NDF: 9403714.6/56

In: 496.525+/-0.066 χ^2/NDF:8839733.2/48

Out: 495.493+/-0.064 χ^2/NDF:10601666.2/55

All: 495.994+/-0.046 χ^2/NDF: 19441526.6/10



Right In: 55.935+/-16.542 χ^2/NDF: 18.1/25

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

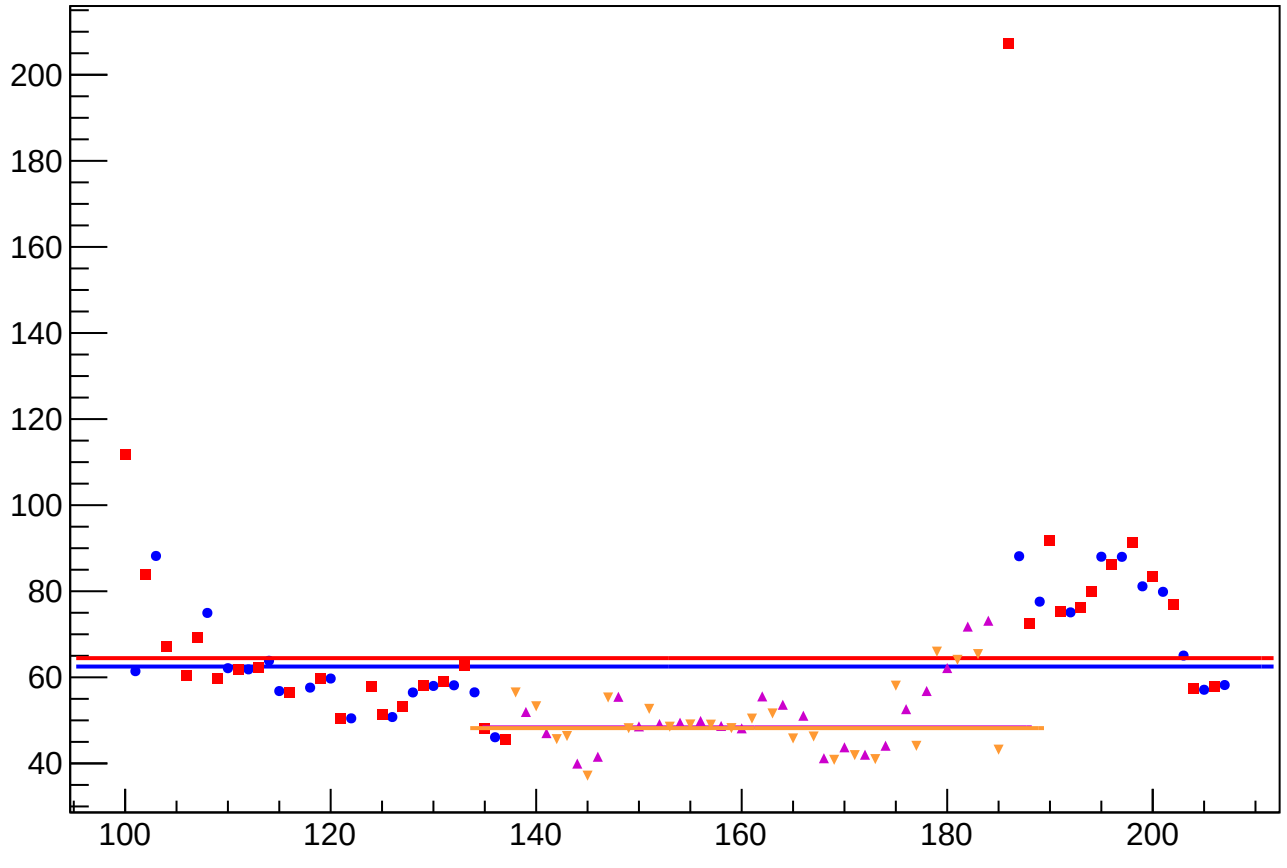
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 46.138+/-11.641 χ^2/NDF: 53.2/56

In: 1.569+/-9.426 χ^2/NDF:59.8/48

Out: -12.990+/-9.201 χ^2/NDF:81.5/55

All: -5.887+/-6.584 χ^2/NDF: 142.5/104



Right In: 62.507+/-0.012 χ^2/NDF: 1083790.8/25

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

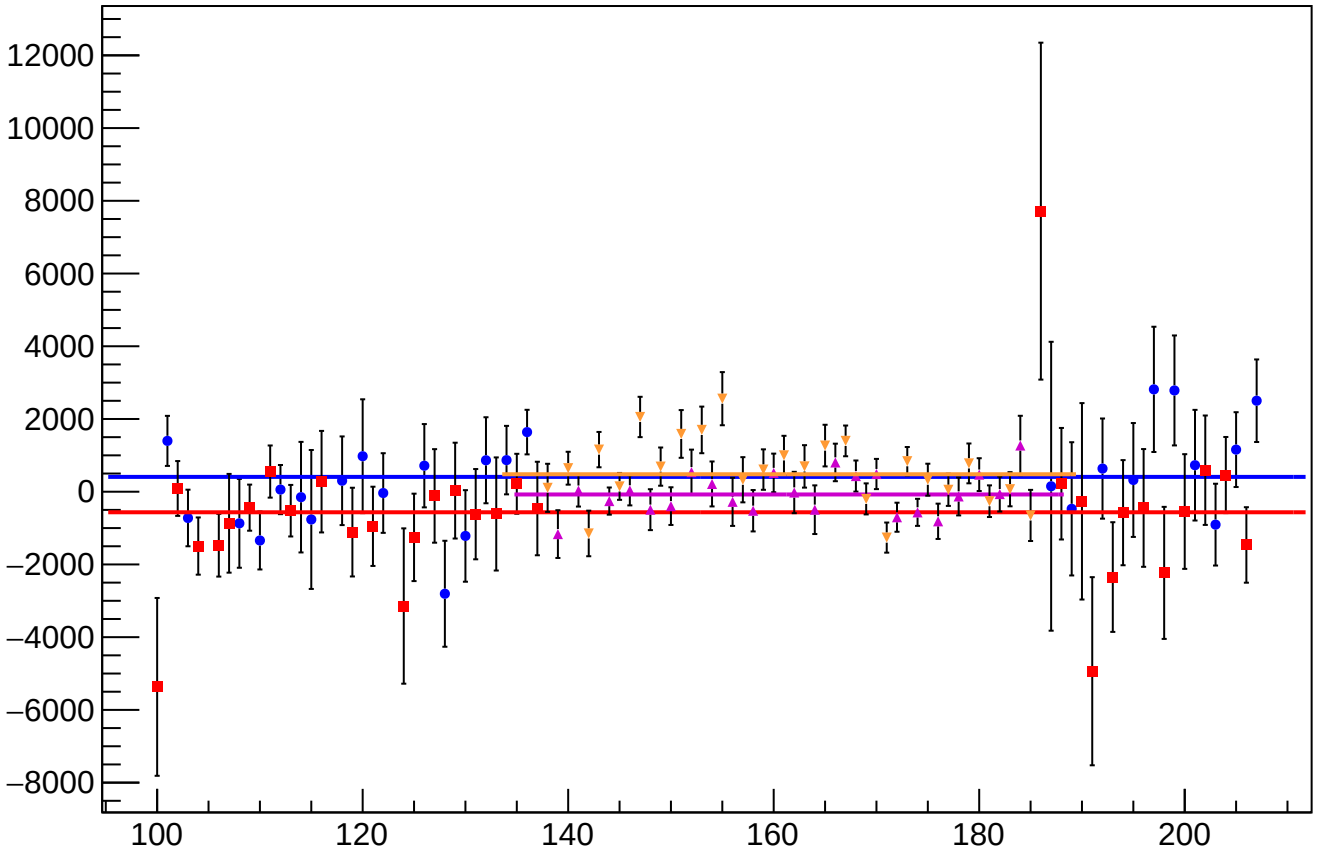
Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

Right: 63.492+/-0.008 χ^2/NDF: 2587228.7/56

In: 52.967+/-0.007 χ^2/NDF:2764008.2/48

Out: 53.325+/-0.007 χ^2/NDF:3618219.4/55

All: 53.151+/-0.005 χ^2/NDF: 6383704.1/104



Right In: 407.606+/-212.243 χ^2/NDF: 32.2/25

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

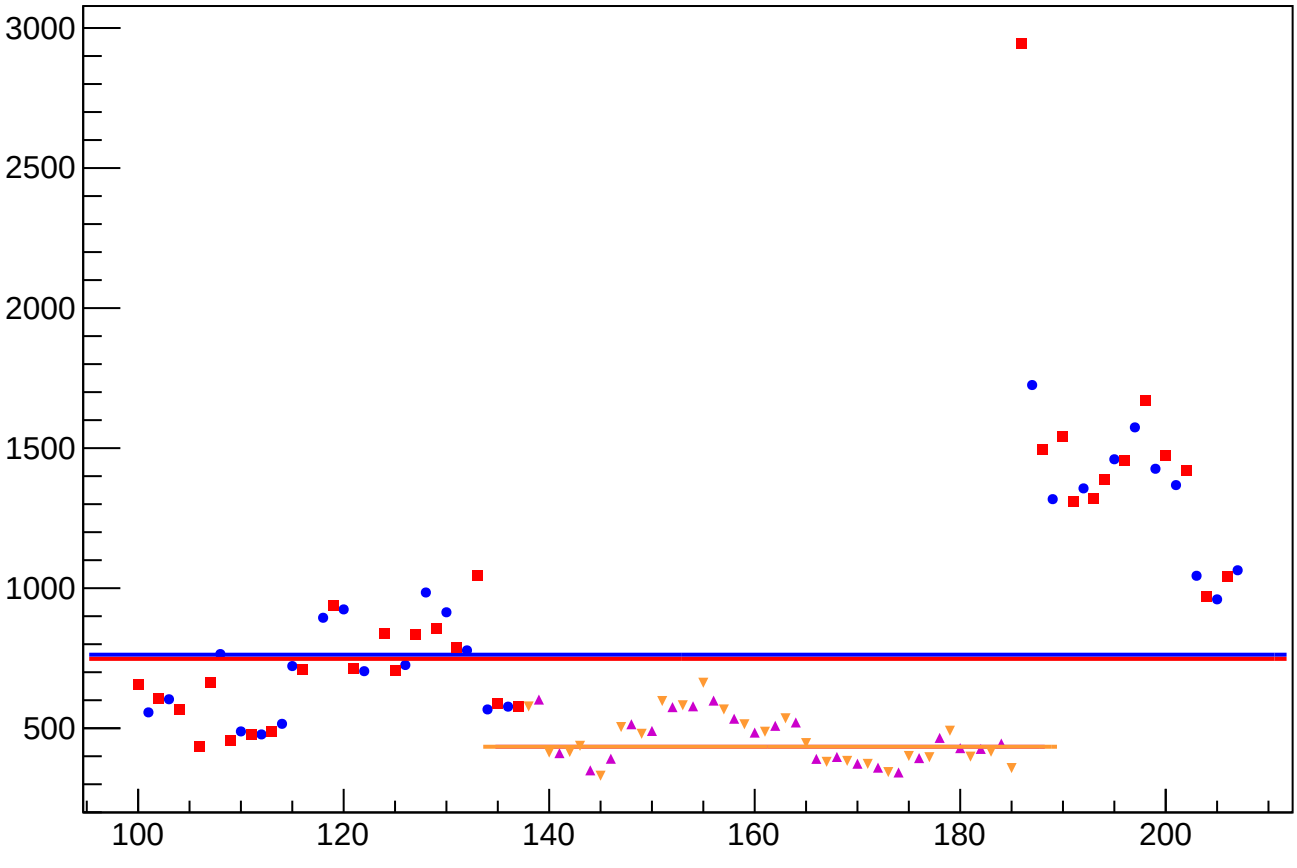
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -99.422+/-146.876 χ^2/NDF: 67.4/56

In: 16.640+/-92.758 χ^2/NDF:60.9/48

Out: 275.056+/-90.125 χ^2/NDF:114.7/55

All: 149.567+/-64.639 χ^2/NDF: 179.5/104



Right In: 762.532+/-0.150 χ^2/NDF: 3861648.5/25

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

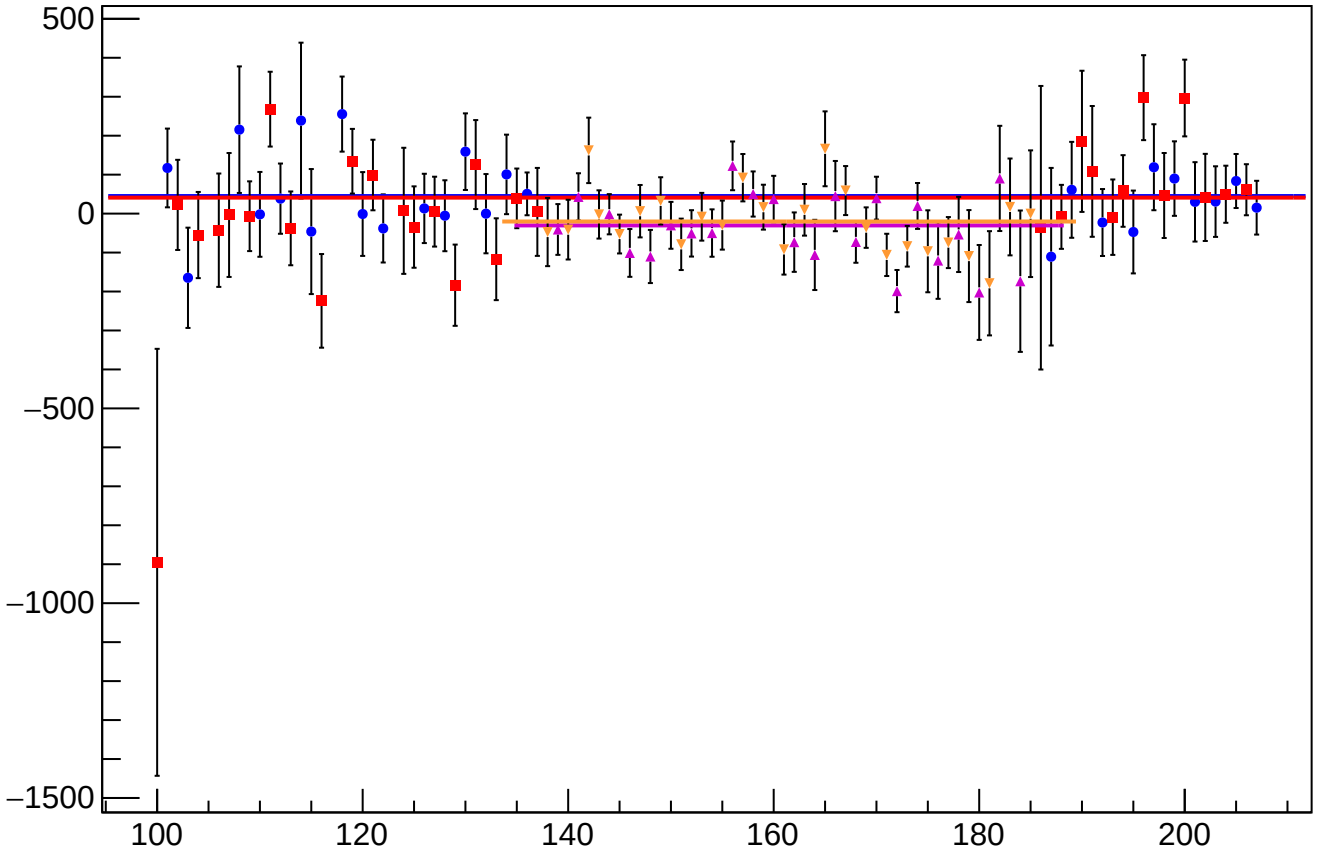
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 754.765+/-0.104 χ^2/NDF: 9403714.6/56

In: 496.525+/-0.066 χ^2/NDF:8839733.2/48

Out: 495.493+/-0.064 χ^2/NDF:10601666.2/55

All: 495.994+/-0.046 χ^2/NDF: 19441526.6/10



Right In: 45.034+/-18.886 χ^2/NDF: 16.9/25

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

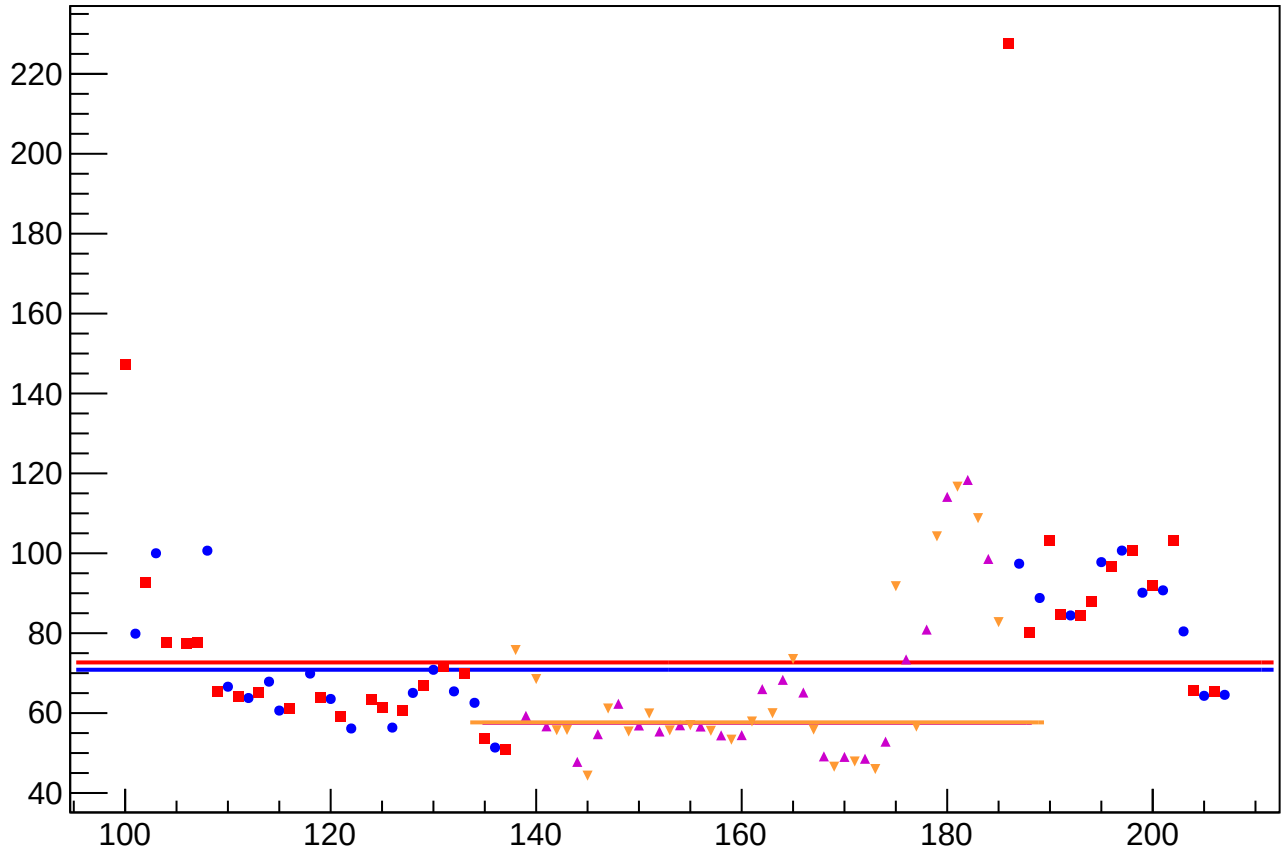
Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

Right: 42.999+/-13.233 χ^2/NDF: 56.4/56

In: -3.648+/-11.236 χ^2/NDF:59.8/48

Out: 1.243+/-10.986 χ^2/NDF:71.7/55

All: -1.147+/-7.855 χ^2/NDF: 131.6/104



Right In: 70.848+/-0.013 χ^2/NDF: 1215608.3/25

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

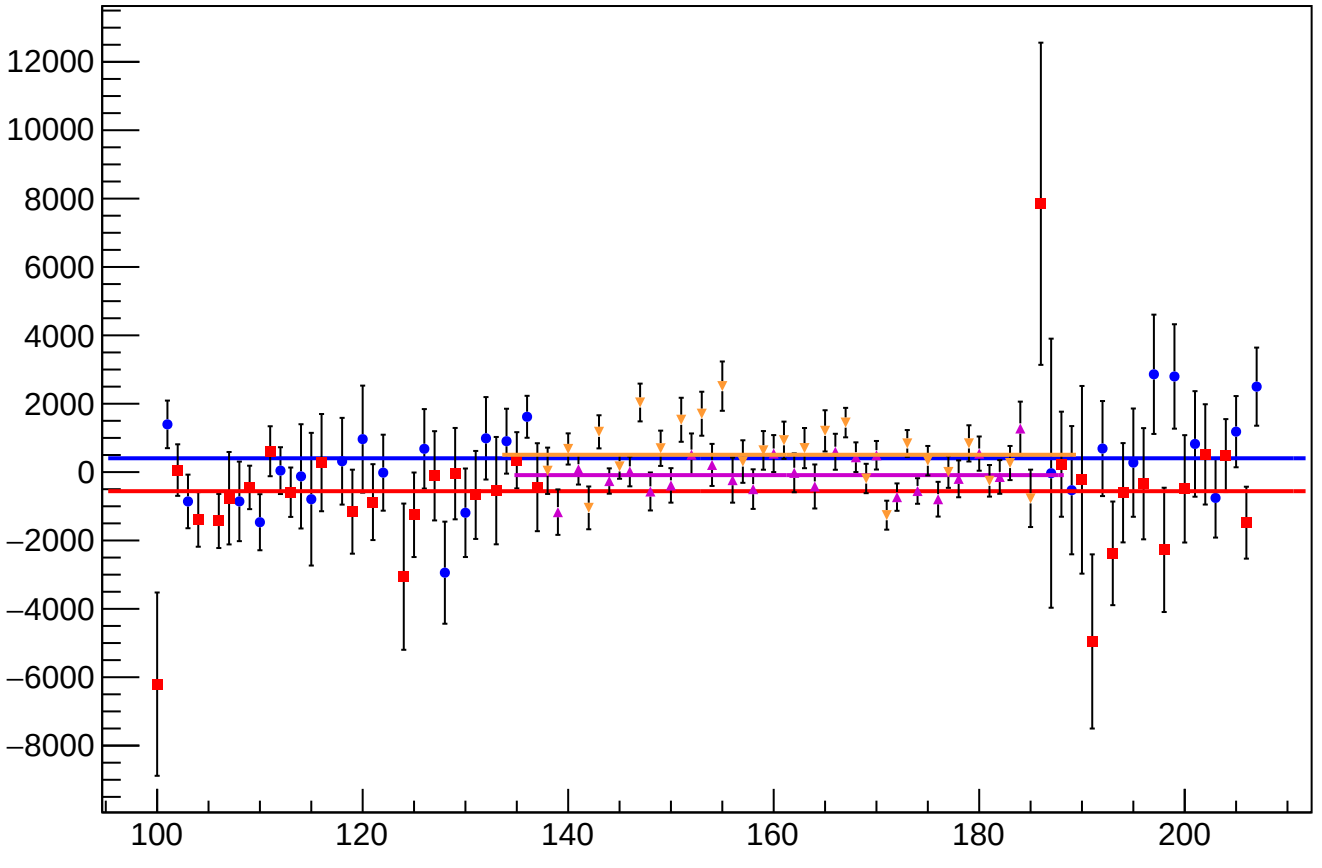
Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

Right: 71.780+/-0.009 χ^2/NDF: 2755385.9/56

In: 62.250+/-0.008 χ^2/NDF:3300509.9/48

Out: 62.936+/-0.008 χ^2/NDF:4290391.8/55

All: 62.600+/-0.006 χ^2/NDF: 7594711.2/104



Right In: 404.484+/-214.686 χ^2/NDF: 32.8/25

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

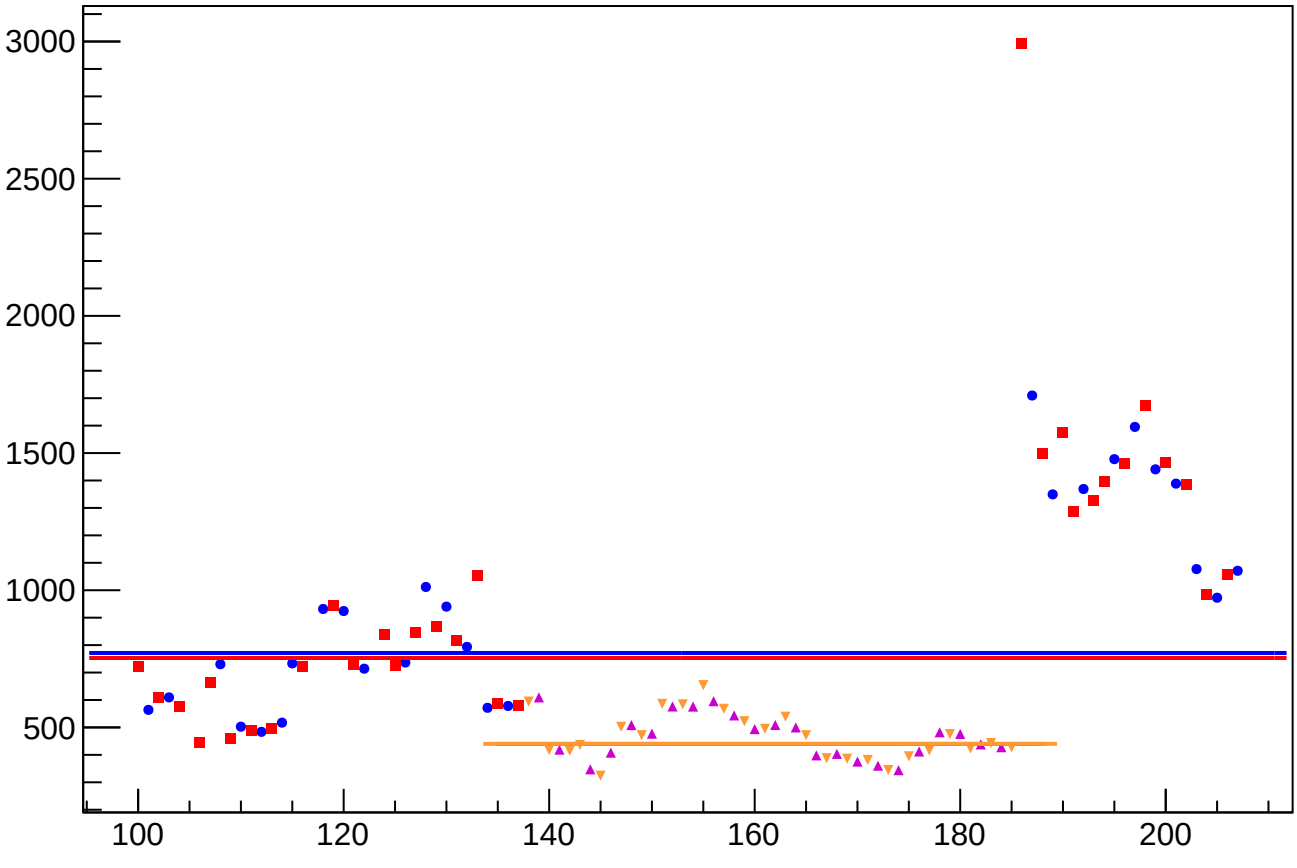
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -100.677+/-148.004 χ^2/NDF: 68.2/56

In: 6.014+/-93.990 χ^2/NDF:60.4/48

Out: 295.368+/-91.100 χ^2/NDF:112.5/55

All: 155.209+/-65.415 χ^2/NDF: 177.8/104



Right In: 771.341+/-0.152 χ^2/NDF: 3892506.8/25

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

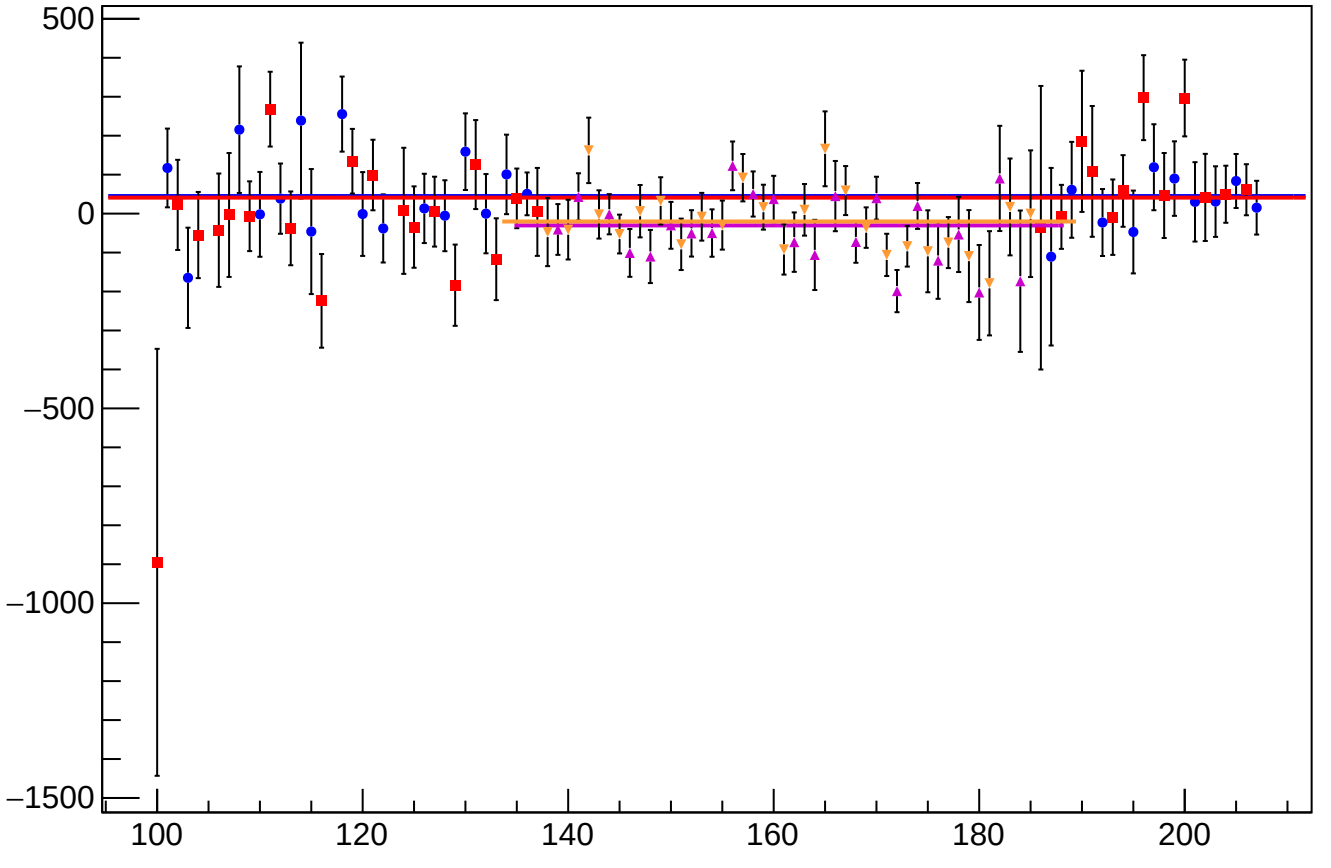
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 761.744+/-0.105 χ^2/NDF: 9413809.9/56

In: 503.409+/-0.066 χ^2/NDF:8808145.4/48

Out: 502.296+/-0.064 χ^2/NDF:10470628.1/55

All: 502.835+/-0.046 χ^2/NDF: 19278918.2/10



Right In: 45.032+/-18.886 χ^2/NDF: 16.9/25

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

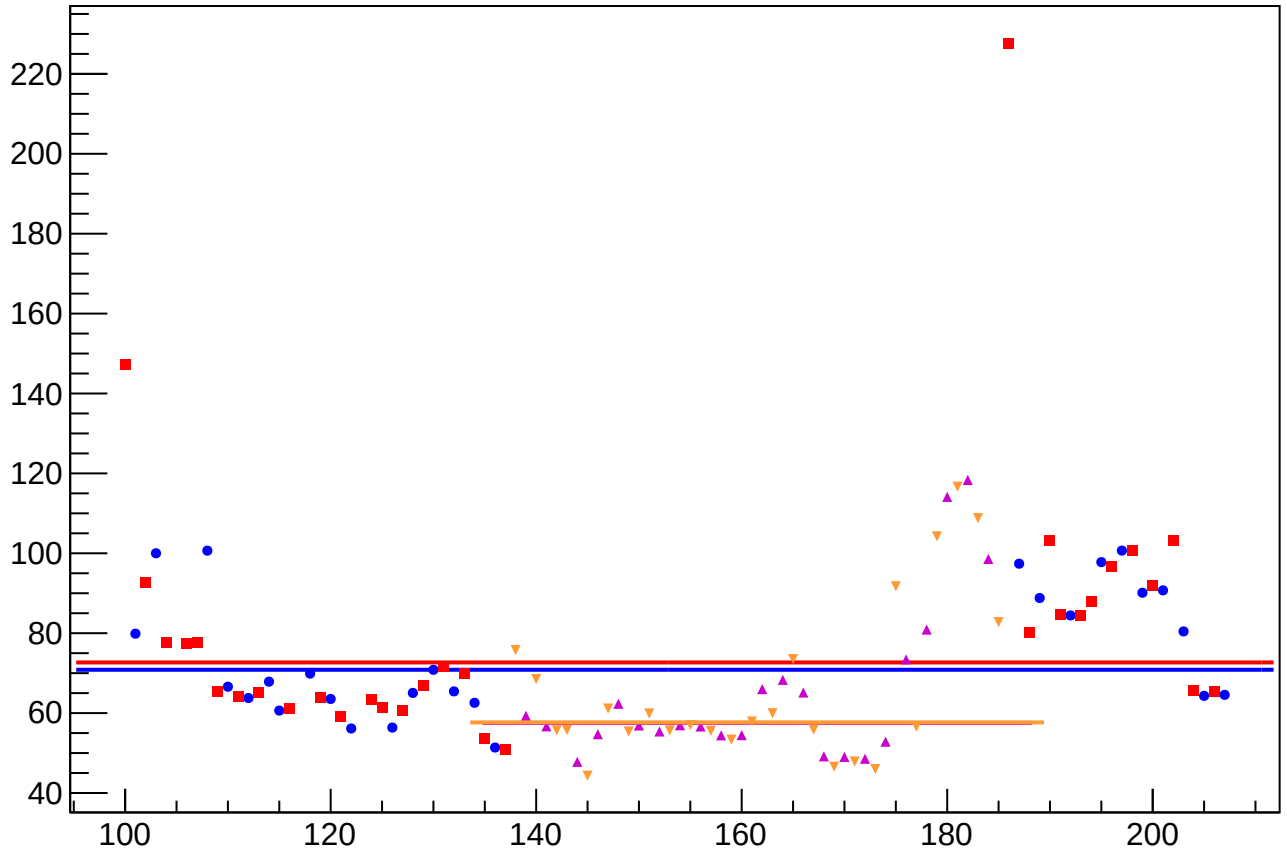
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 42.998+/-13.233 χ^2/NDF: 56.4/56

In: -3.648+/-11.236 χ^2/NDF:59.8/48

Out: 1.243+/-10.986 χ^2/NDF:71.6/55

All: -1.148+/-7.855 χ^2/NDF: 131.6/104



Right In: 70.848+/-0.013 χ^2/NDF: 1215594.9/25

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

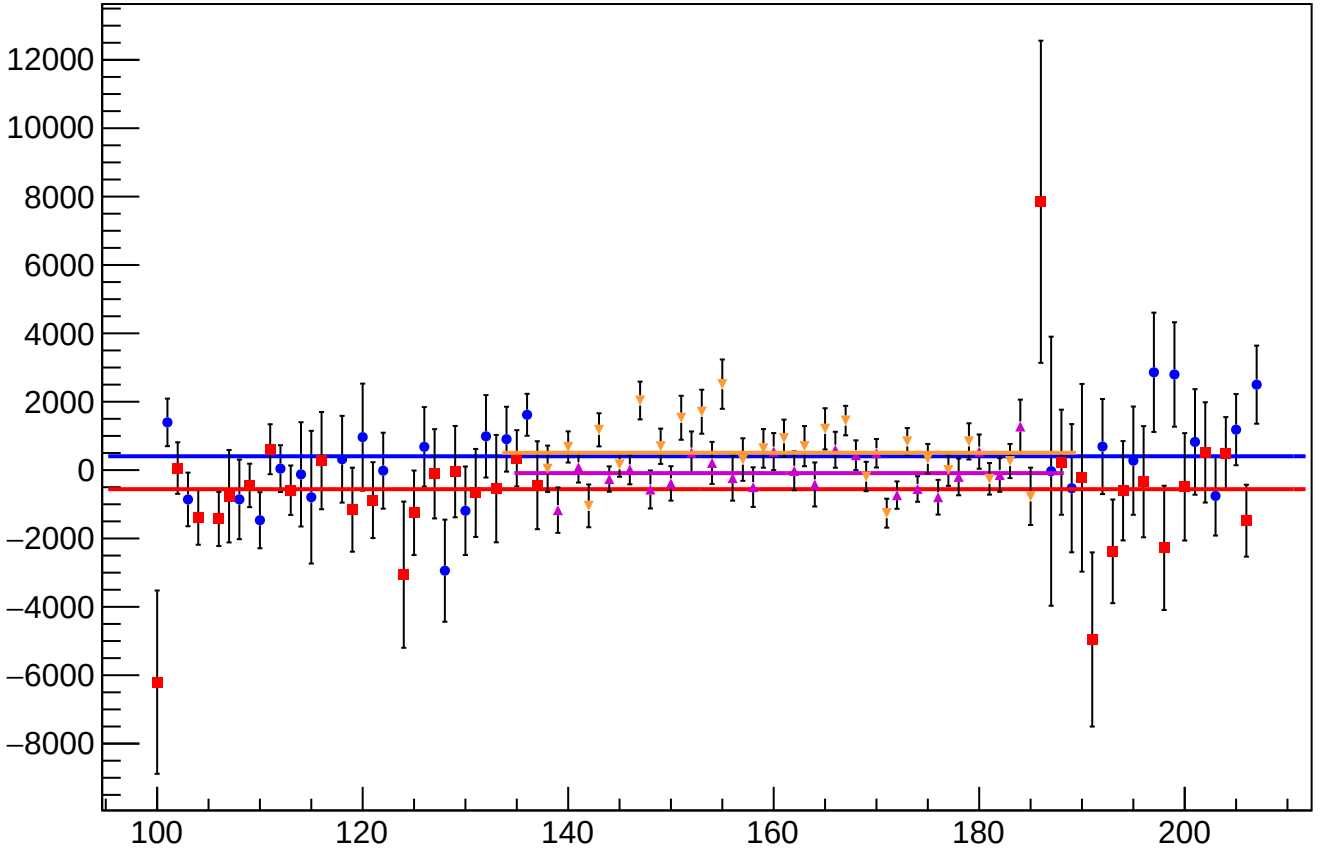
Right: 71.780+/-0.009 χ^2/NDF: 2755387.2/56

In: 62.250+/-0.008 χ^2/NDF:3300466.7/48

Out: 62.936+/-0.008 χ^2/NDF:4290380.3/55

All: 62.600+/-0.006 χ^2/NDF: 7594657.0/104

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 404.483+/-214.686 χ^2/NDF: 32.8/25

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -558.221+/-204.317 χ^2/NDF: 24.9/30

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

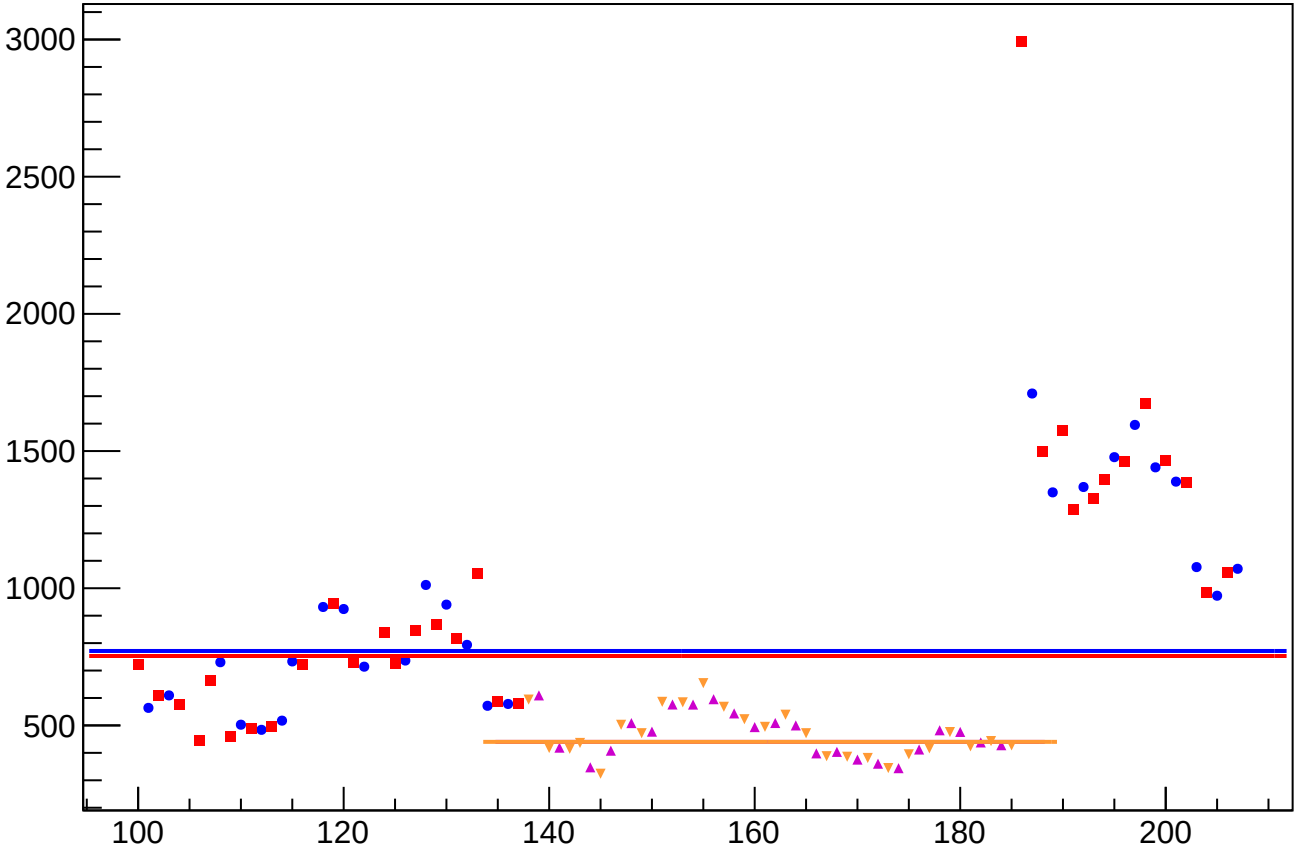
Right: -100.677+/-148.004 χ^2/NDF: 68.2/56

In: 6.014+/-93.990 χ^2/NDF:60.4/48

Out: 295.368+/-91.099 χ^2/NDF:112.5/55

All: 155.209+/-65.415 χ^2/NDF: 177.8/104

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 771.340+/-0.152 χ^2/NDF: 3892510.6/25

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

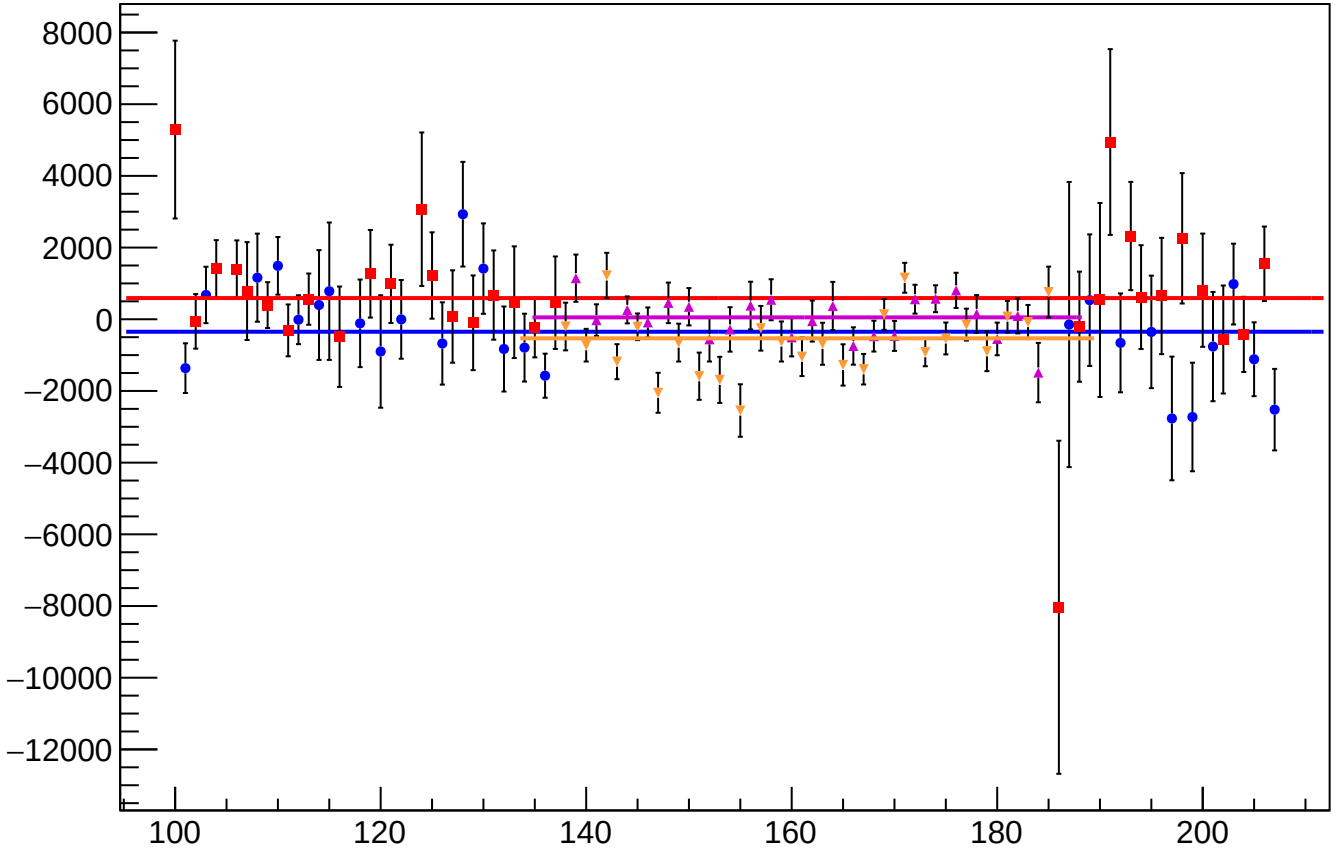
Right: 761.743+/-0.105 χ^2/NDF: 9413816.9/56

In: 503.408+/-0.066 χ^2/NDF:8808173.3/48

Out: 502.295+/-0.064 χ^2/NDF:10470654.4/55

All: 502.834+/-0.046 χ^2/NDF: 19278972.4/10

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -348.345+/-213.261 χ^2/NDF: 33.5/25

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

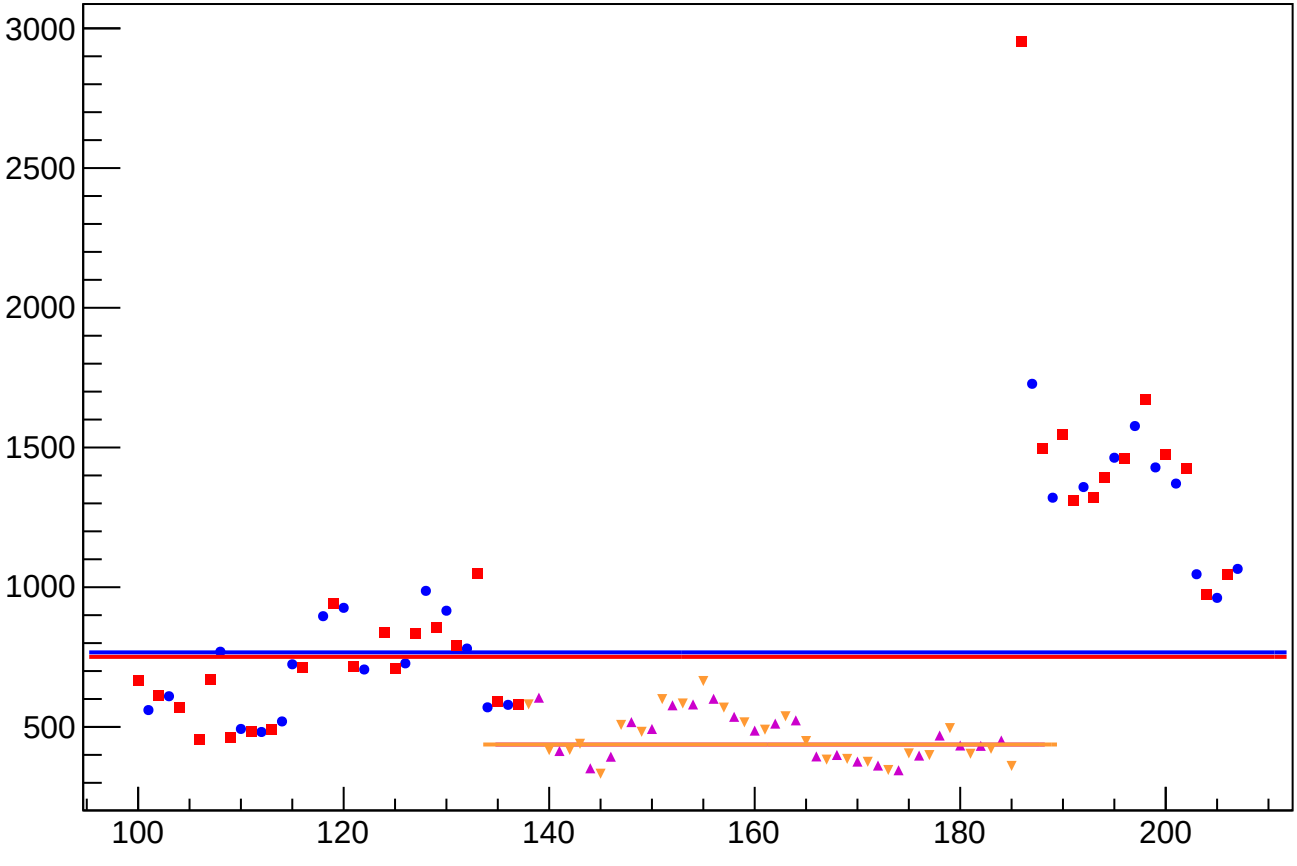
Right: 143.042+/-147.276 χ^2/NDF: 66.9/56

In: -24.314+/-93.383 χ^2/NDF:60.4/48

Out: -309.055+/-90.658 χ^2/NDF:113.2/55

All: -170.900+/-65.047 χ^2/NDF: 178.4/104

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 766.820+/-0.151 χ^2/NDF: 3820462.2/25

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

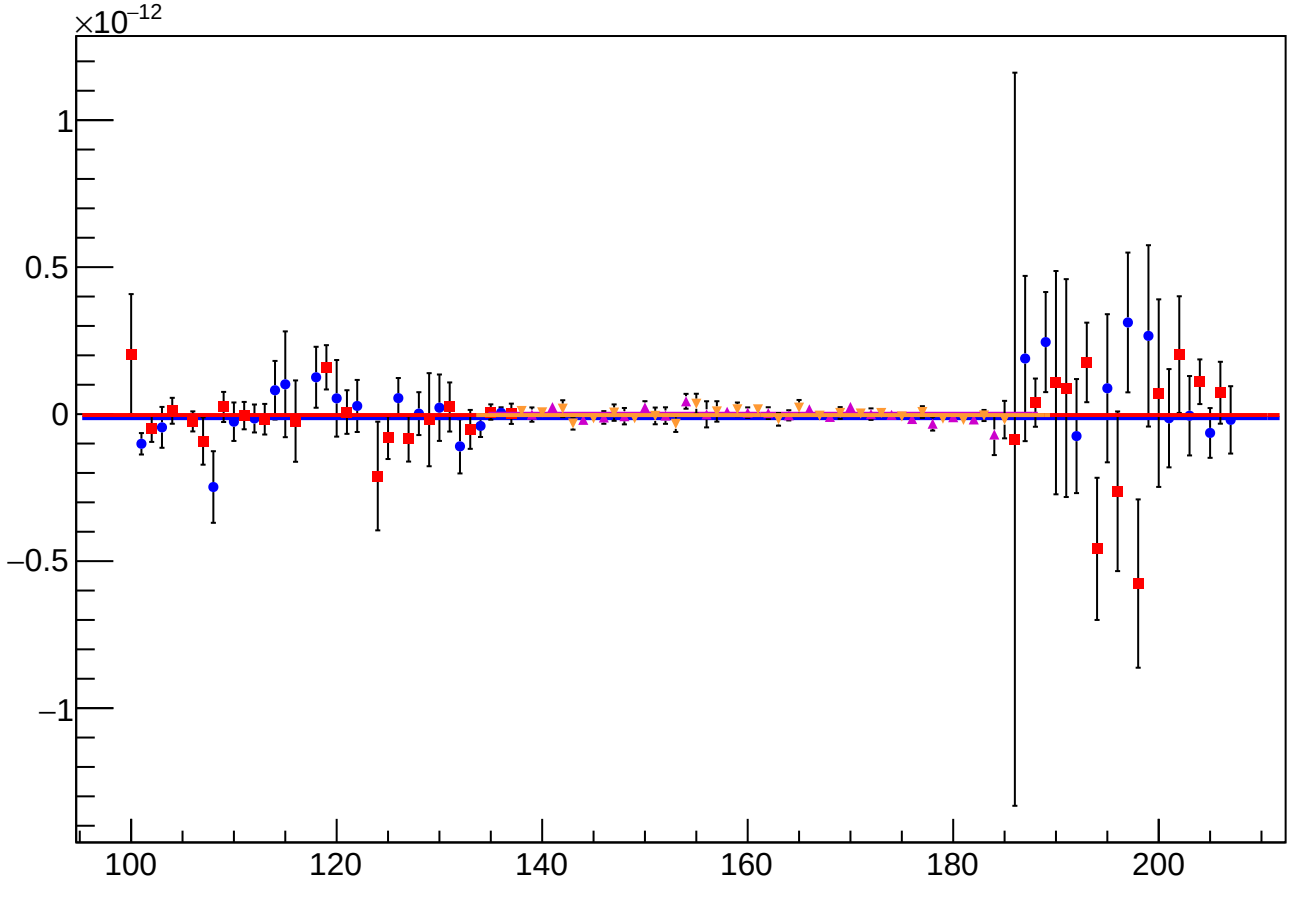
Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

Right: 758.401+/-0.104 χ^2/NDF: 9316023.5/56

In: 500.189+/-0.066 χ^2/NDF:8768433.3/48

Out: 499.309+/-0.064 χ^2/NDF:10519534.0/55

All: 499.736+/-0.046 χ^2/NDF: 19288058.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/25

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

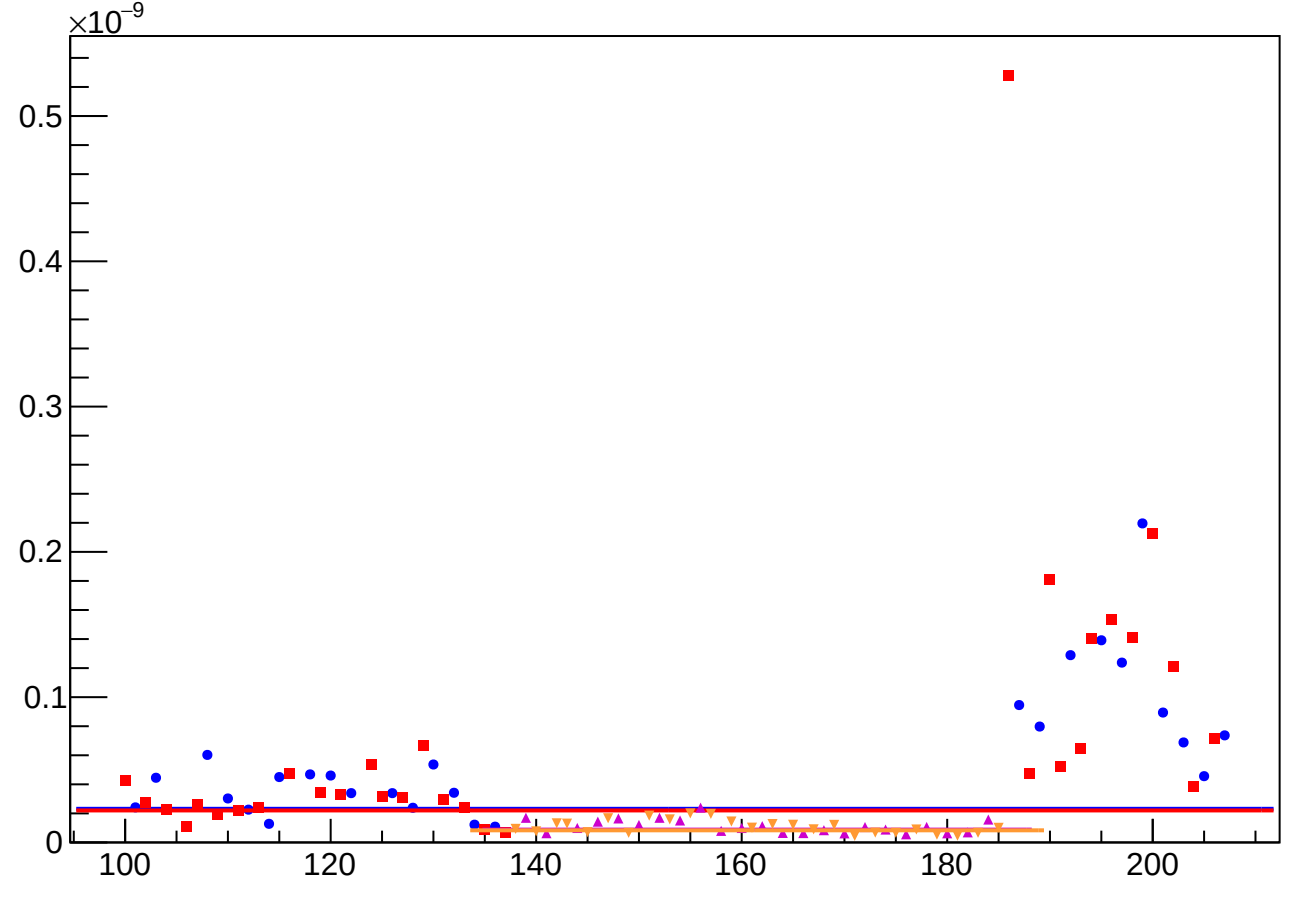
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 51.1/56

In: 0.000+/-0.000 χ^2/NDF:46.5/48

Out: -0.000+/-0.000 χ^2/NDF:41.9/55

All: -0.000+/-0.000 χ^2/NDF: 88.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 5519569.4/25

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

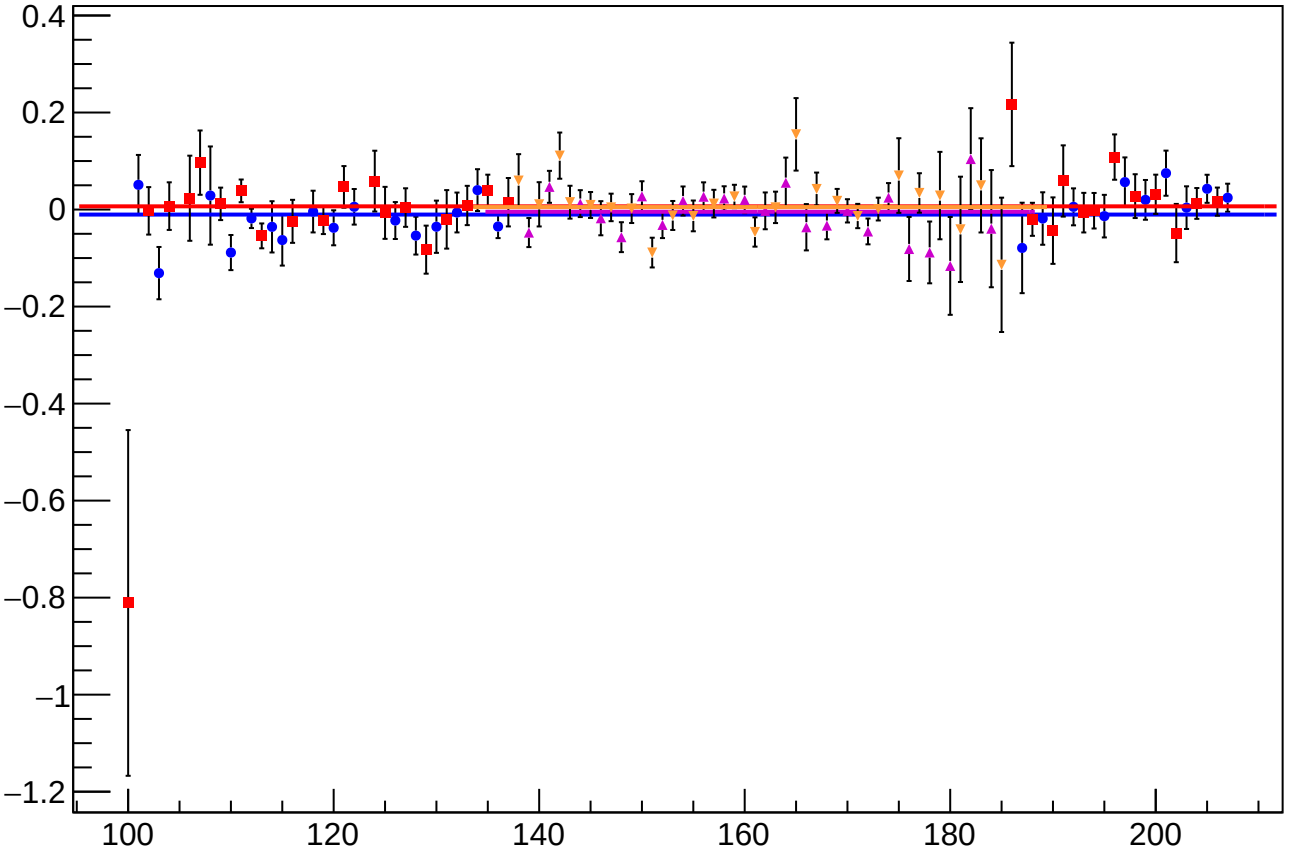
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 11278092.6/56

In: 0.000+/-0.000 χ^2/NDF:9691317.9/48

Out: 0.000+/-0.000 χ^2/NDF:10484080.4/55

All: 0.000+/-0.000 χ^2/NDF: 20204726.9/104



Right In: -0.010+/-0.008 χ^2/NDF: 28.3/25

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

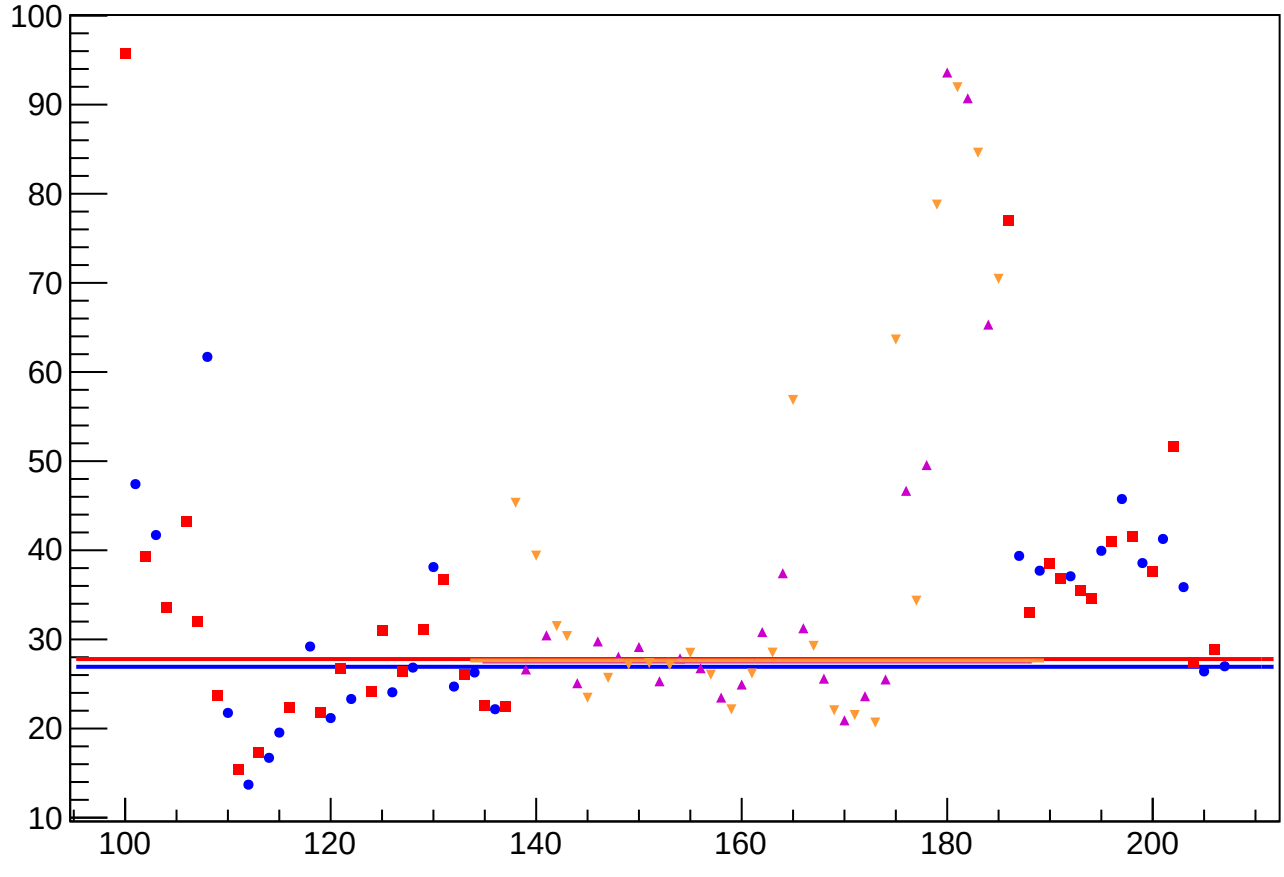
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.002+/-0.005 χ^2/NDF: 64.0/56

In: -0.007+/-0.005 χ^2/NDF:53.7/48

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.001+/-0.004 χ^2/NDF: 118.6/104



Right In: 26.927+/-0.005 χ^2/NDF: 3043430.2/25

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

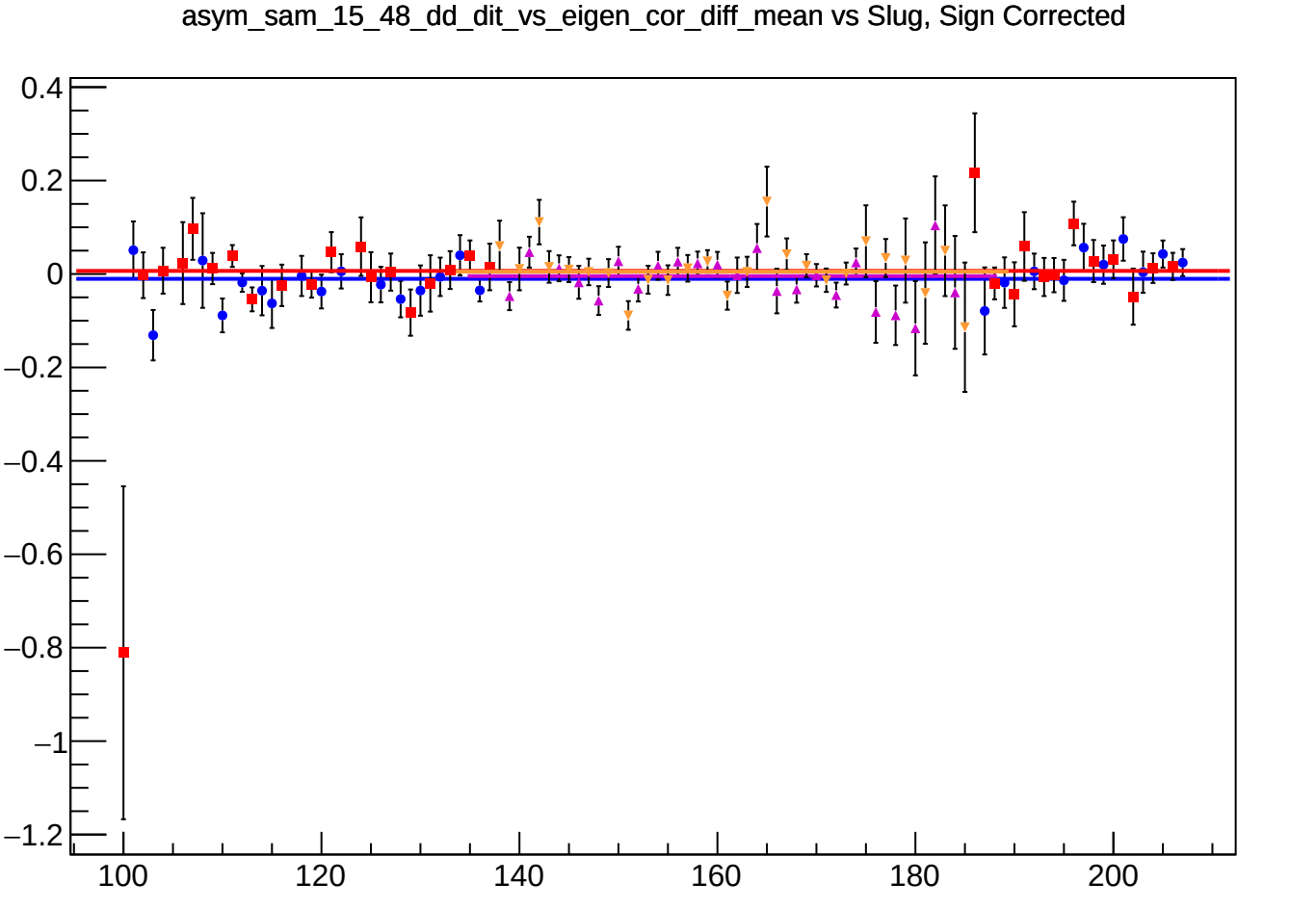
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.373+/-0.004 χ^2/NDF: 5878933.8/56

In: 27.251+/-0.004 χ^2/NDF:5684668.9/48

Out: 27.710+/-0.004 χ^2/NDF:6796648.2/55

All: 27.485+/-0.003 χ^2/NDF: 12489468.8/104



Right In: -0.010+/-0.008 χ^2/NDF: 28.3/25

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

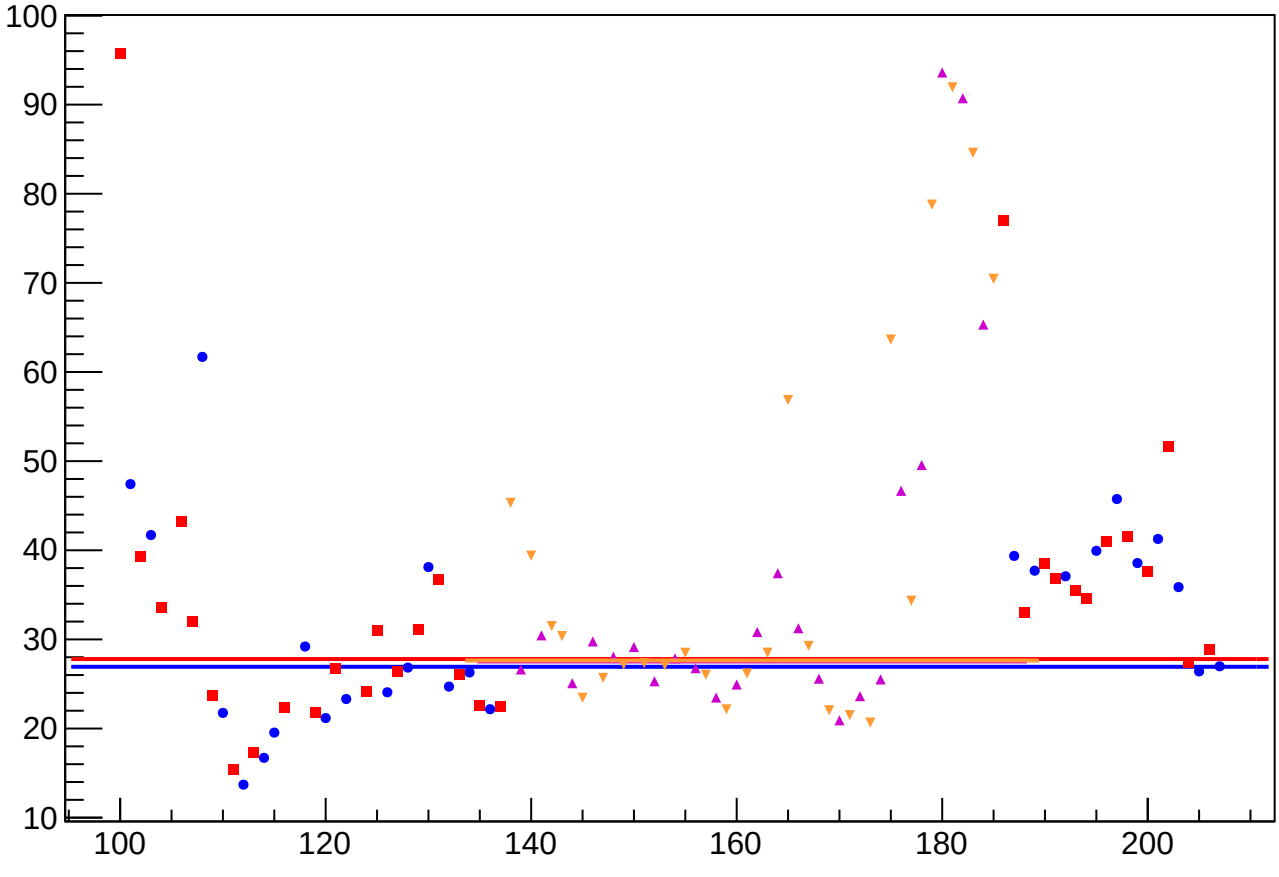
Right: -0.002+/-0.005 χ^2/NDF: 64.0/56

In: -0.007+/-0.005 χ^2/NDF:53.7/48

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.001+/-0.004 χ^2/NDF: 118.6/104

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.927+/-0.005 χ^2/NDF: 3043430.2/25

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

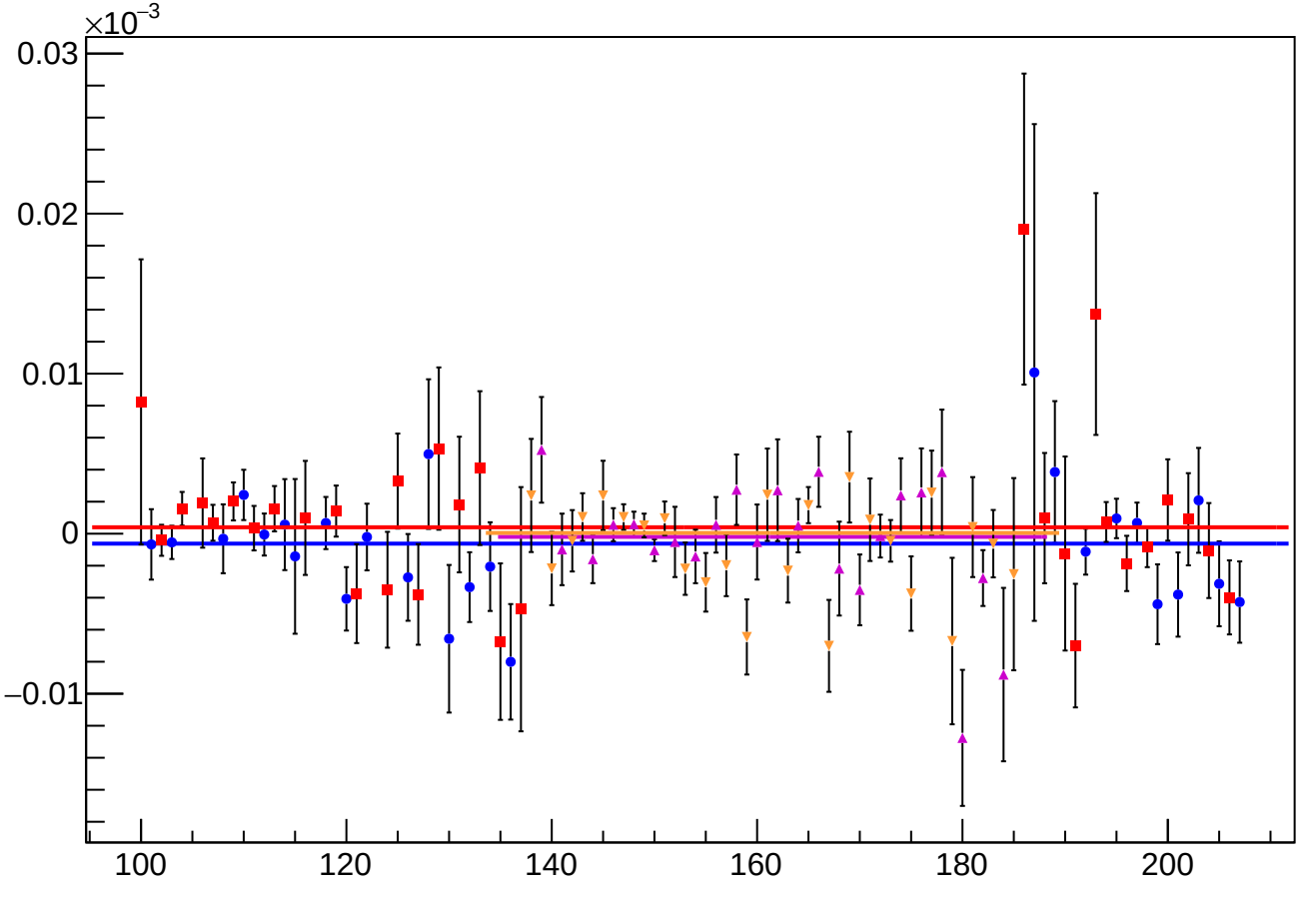
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.373+/-0.004 χ^2/NDF: 5878933.8/56

In: 27.251+/-0.004 χ^2/NDF:5684668.9/48

Out: 27.710+/-0.004 χ^2/NDF:6796648.2/55

All: 27.485+/-0.003 χ^2/NDF: 12489468.8/104



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/25

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

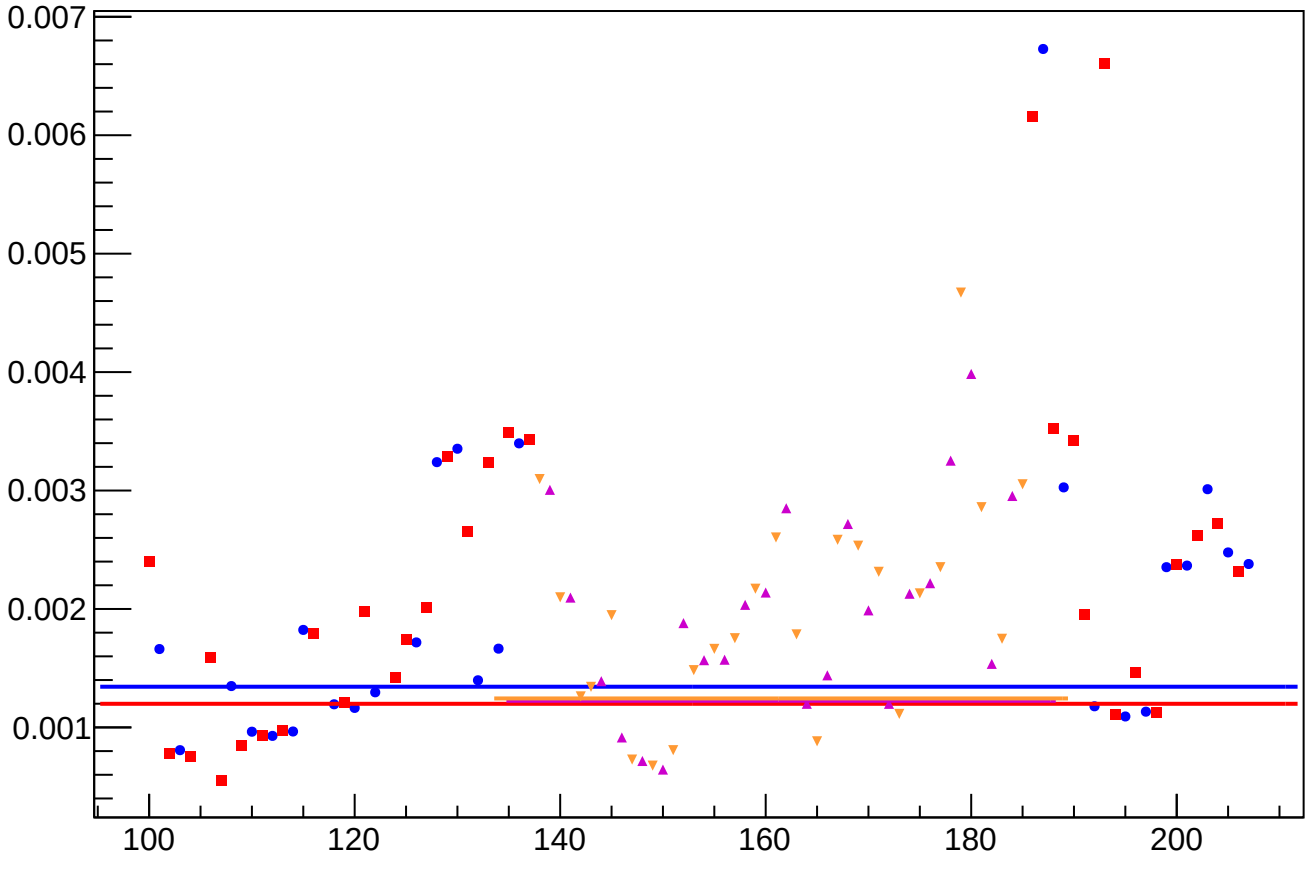
Right: -0.000+/-0.000 χ^2/NDF: 66.5/56

In: -0.000+/-0.000 χ^2/NDF:63.2/48

Out: 0.000+/-0.000 χ^2/NDF:71.0/55

All: -0.000+/-0.000 χ^2/NDF: 137.1/104

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4941273.2/25

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

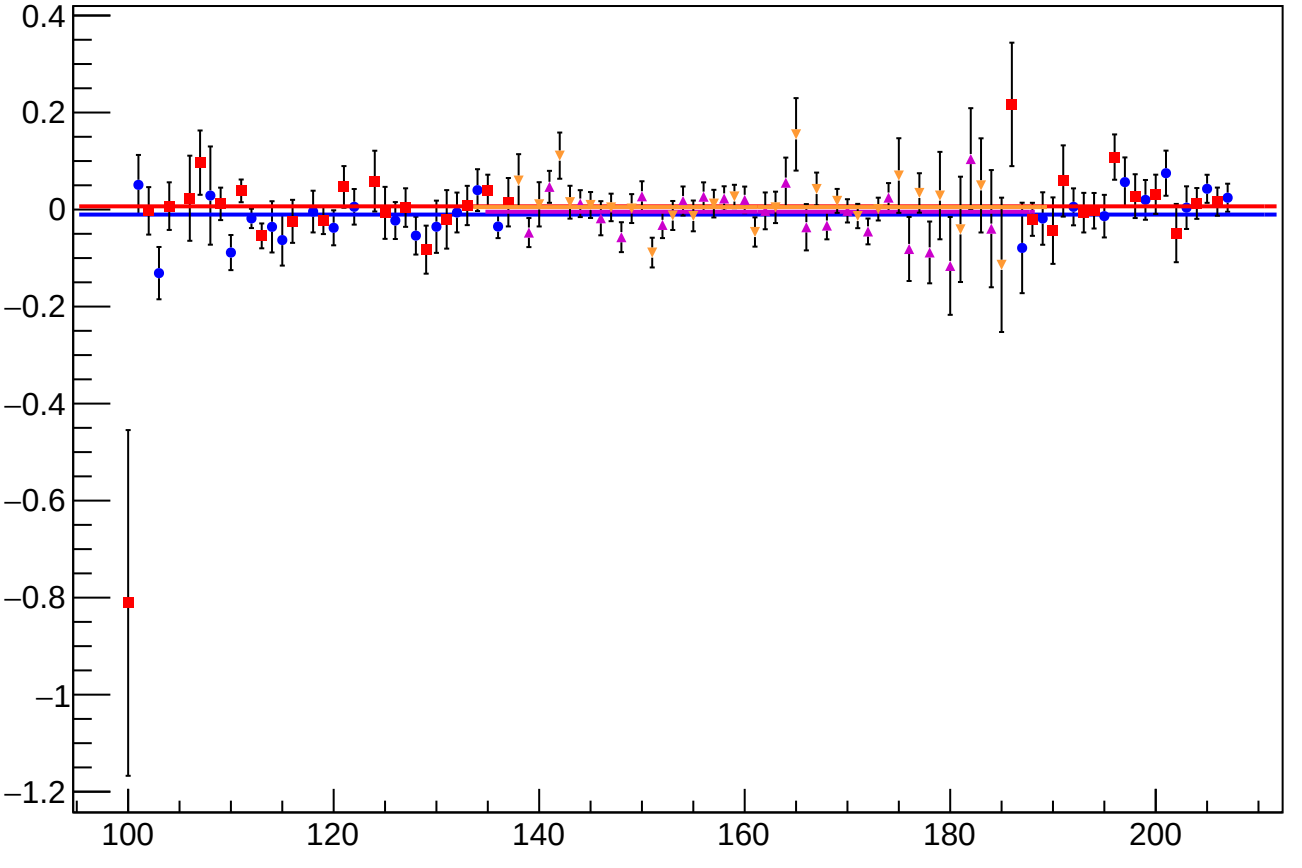
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 13330582.8/56

In: 0.001+/-0.000 χ^2/NDF:12870443.1/48

Out: 0.001+/-0.000 χ^2/NDF:16598221.5/55

All: 0.001+/-0.000 χ^2/NDF: 29511450.8/104



Right In: -0.010+/-0.008 χ^2/NDF: 28.3/25

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

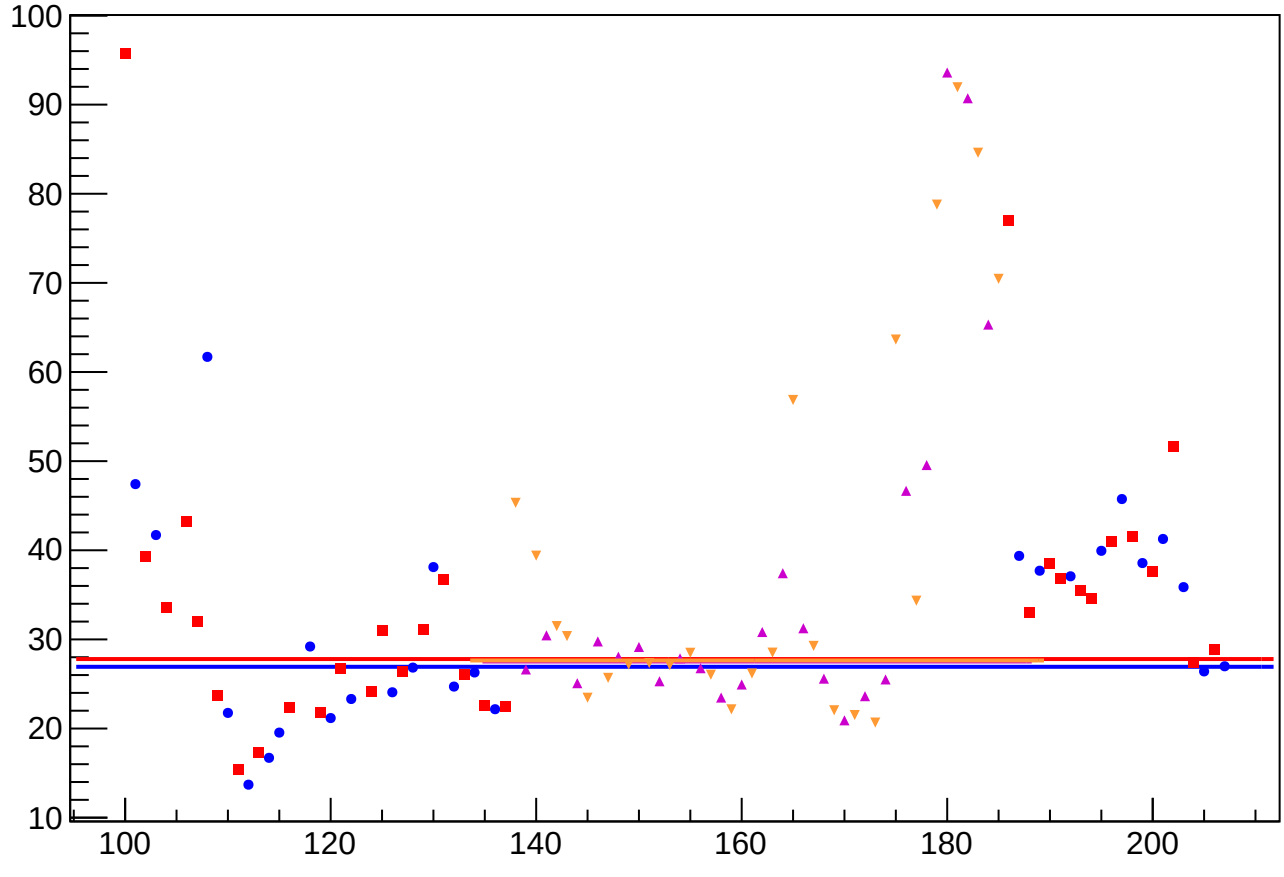
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.002+/-0.005 χ^2/NDF: 64.0/56

In: -0.007+/-0.005 χ^2/NDF:53.7/48

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.001+/-0.004 χ^2/NDF: 118.6/104



Right In: 26.927+/-0.005 χ^2/NDF: 3043427.4/25

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

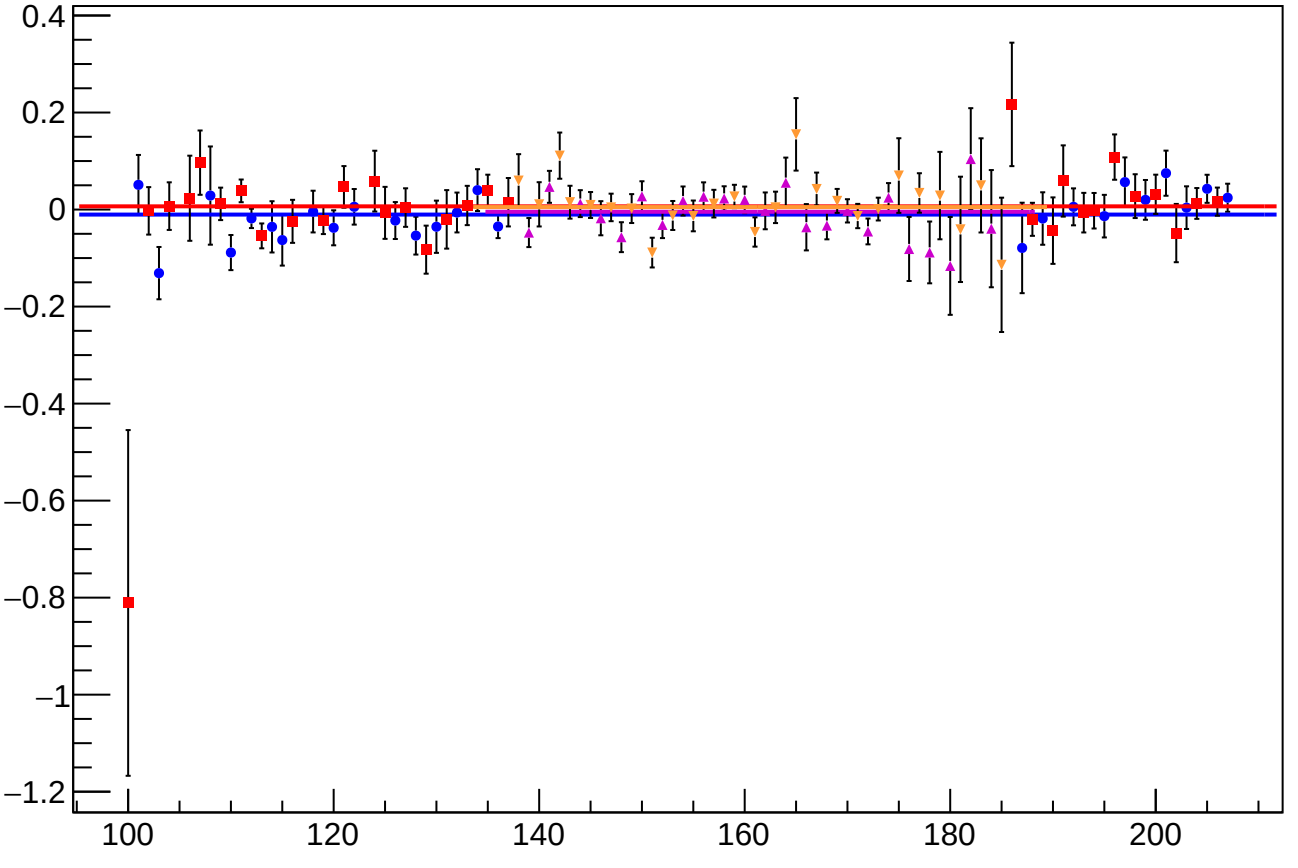
Right: 27.373+/-0.004 χ^2/NDF: 5879044.4/56

In: 27.251+/-0.004 χ^2/NDF:5684641.2/48

Out: 27.710+/-0.004 χ^2/NDF:6796699.8/55

All: 27.485+/-0.003 χ^2/NDF: 12489494.8/104

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.010+/-0.008 χ^2/NDF: 28.3/25

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

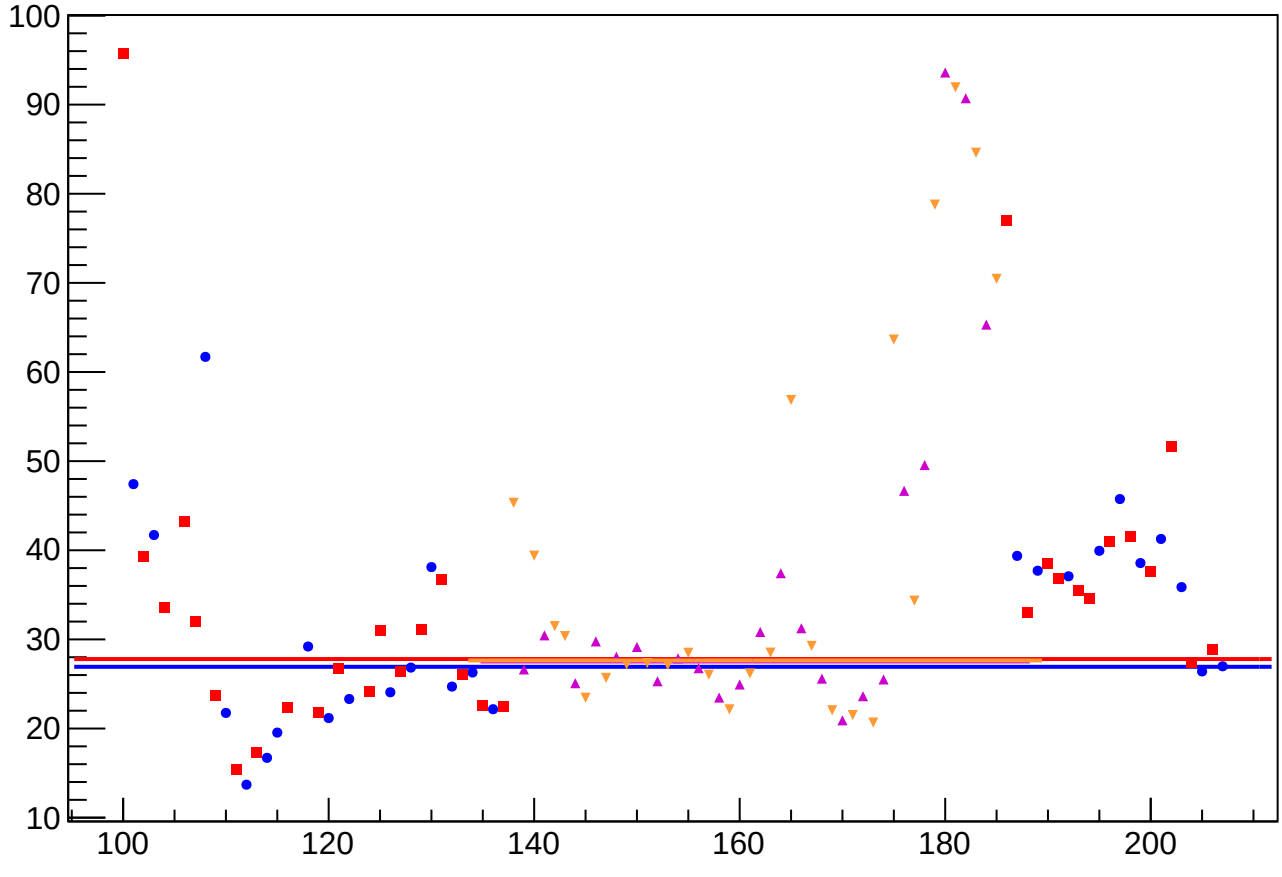
Right: -0.002+/-0.005 χ^2/NDF: 64.0/56

In: -0.007+/-0.005 χ^2/NDF:53.7/48

Out: 0.006+/-0.005 χ^2/NDF:61.6/55

All: -0.001+/-0.004 χ^2/NDF: 118.6/104

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.927+/-0.005 χ^2/NDF: 3043427.4/25

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

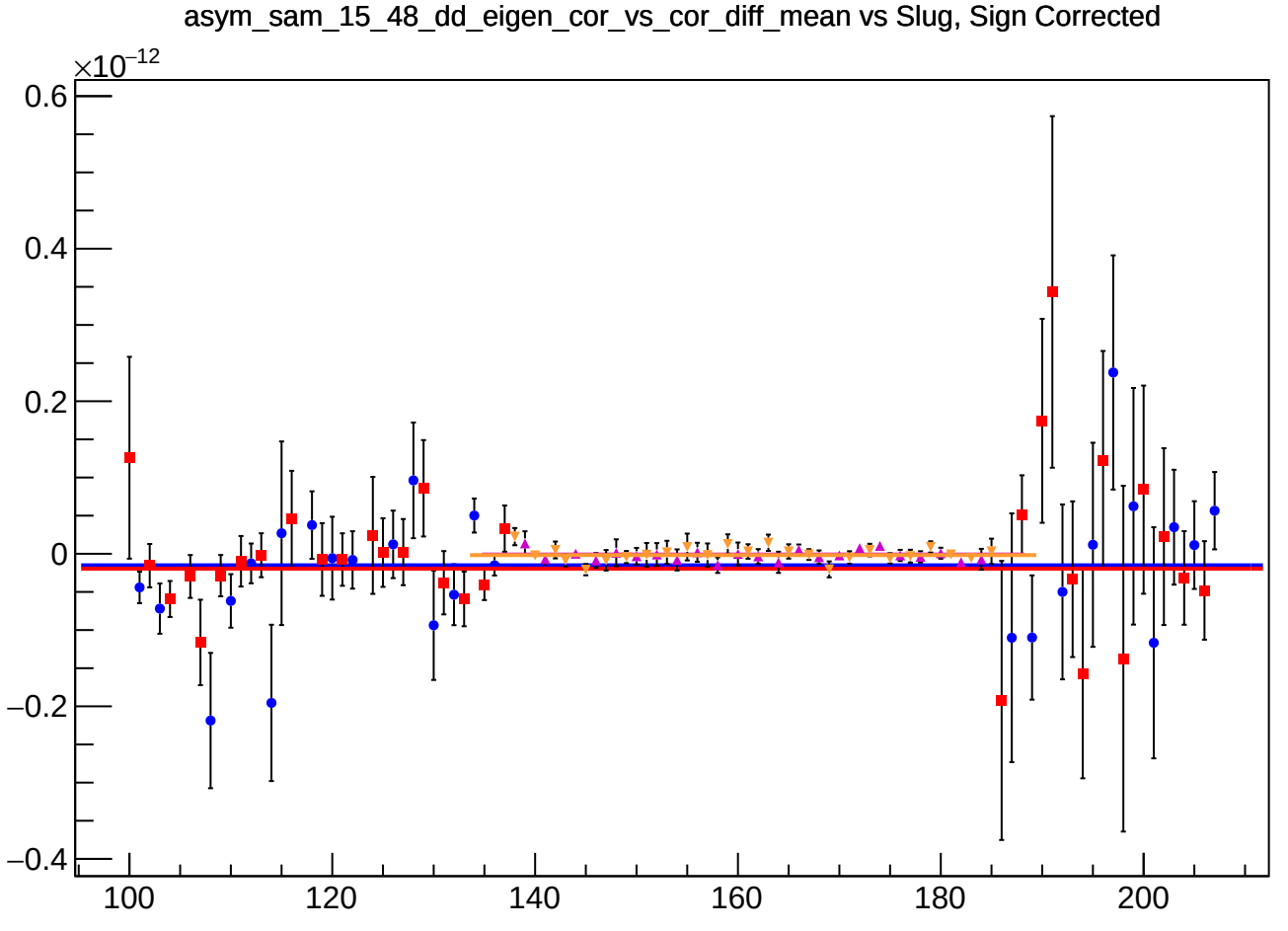
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.373+/-0.004 χ^2/NDF: 5879044.4/56

In: 27.251+/-0.004 χ^2/NDF:5684641.2/48

Out: 27.710+/-0.004 χ^2/NDF:6796699.8/55

All: 27.485+/-0.003 χ^2/NDF: 12489494.8/104



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/25

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

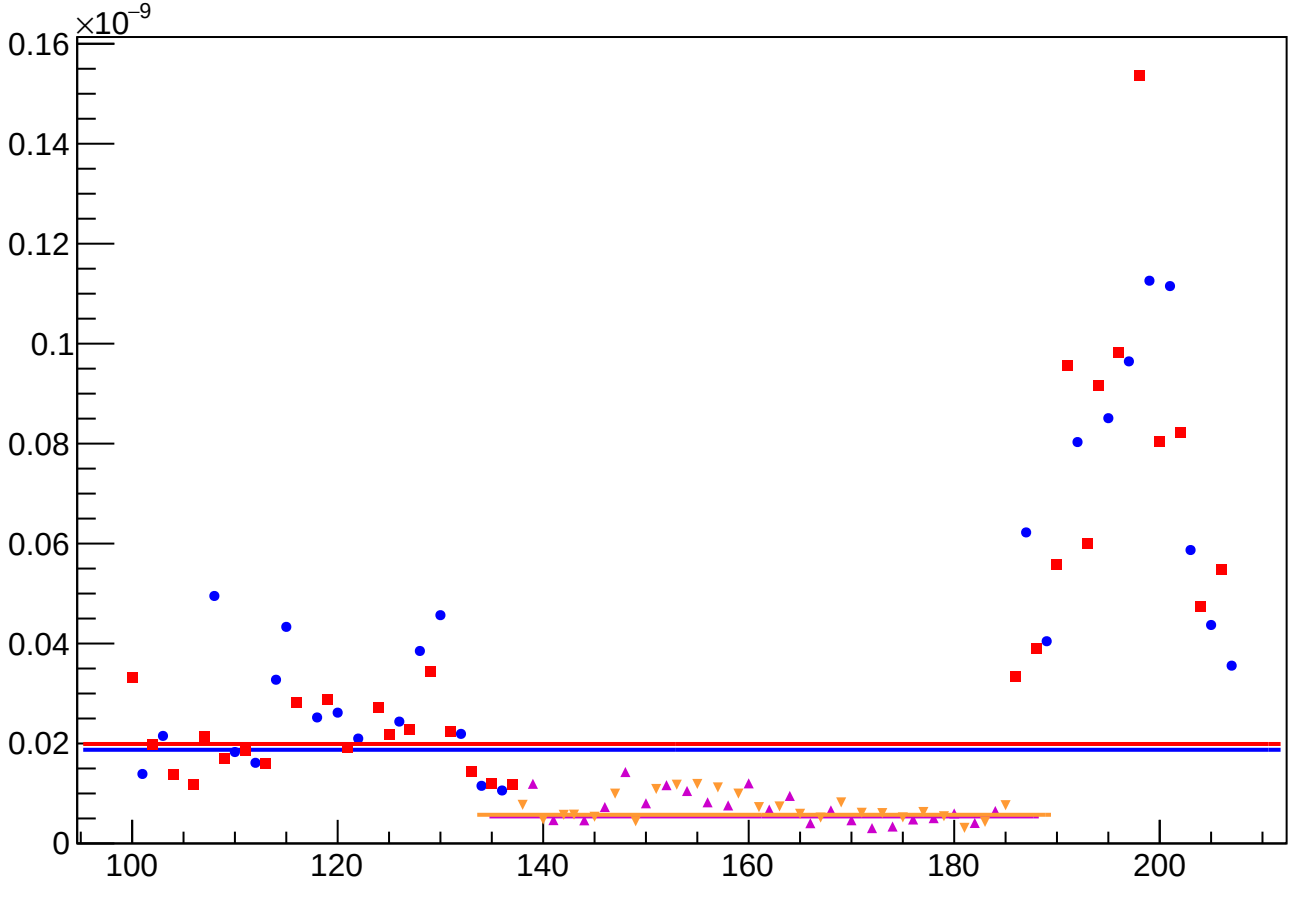
Right: -0.000+/-0.000 χ^2/NDF: 66.6/56

In: -0.000+/-0.000 χ^2/NDF:57.7/48

Out: -0.000+/-0.000 χ^2/NDF:58.3/55

All: -0.000+/-0.000 χ^2/NDF: 116.1/104

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6525431.1/25

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

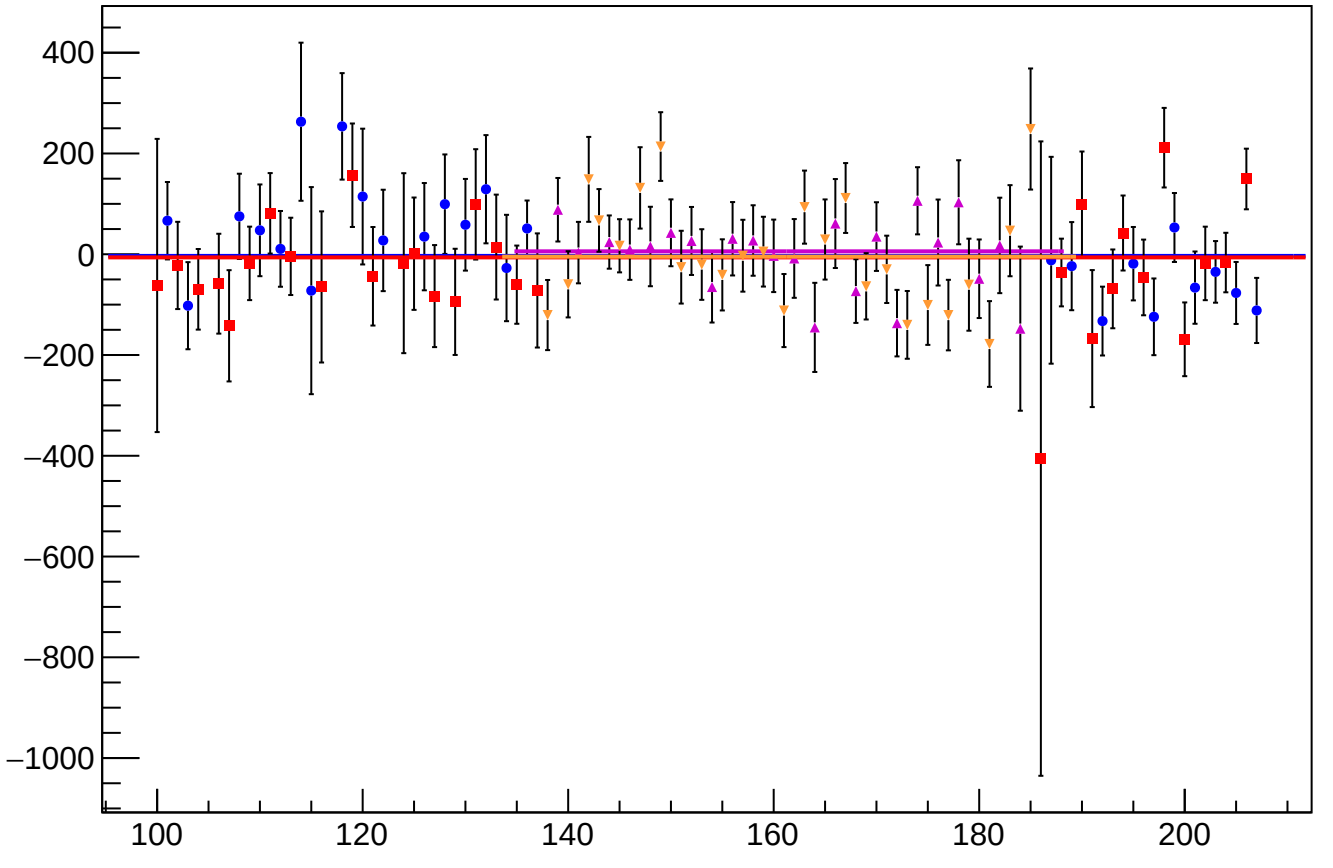
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12430213.2/56

In: 0.000+/-0.000 χ^2/NDF:16050066.8/48

Out: 0.000+/-0.000 χ^2/NDF:15161003.2/55

All: 0.000+/-0.000 χ^2/NDF: 31256507.4/104



Right In: -3.320+/-16.287 χ^2/NDF: 29.5/25

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

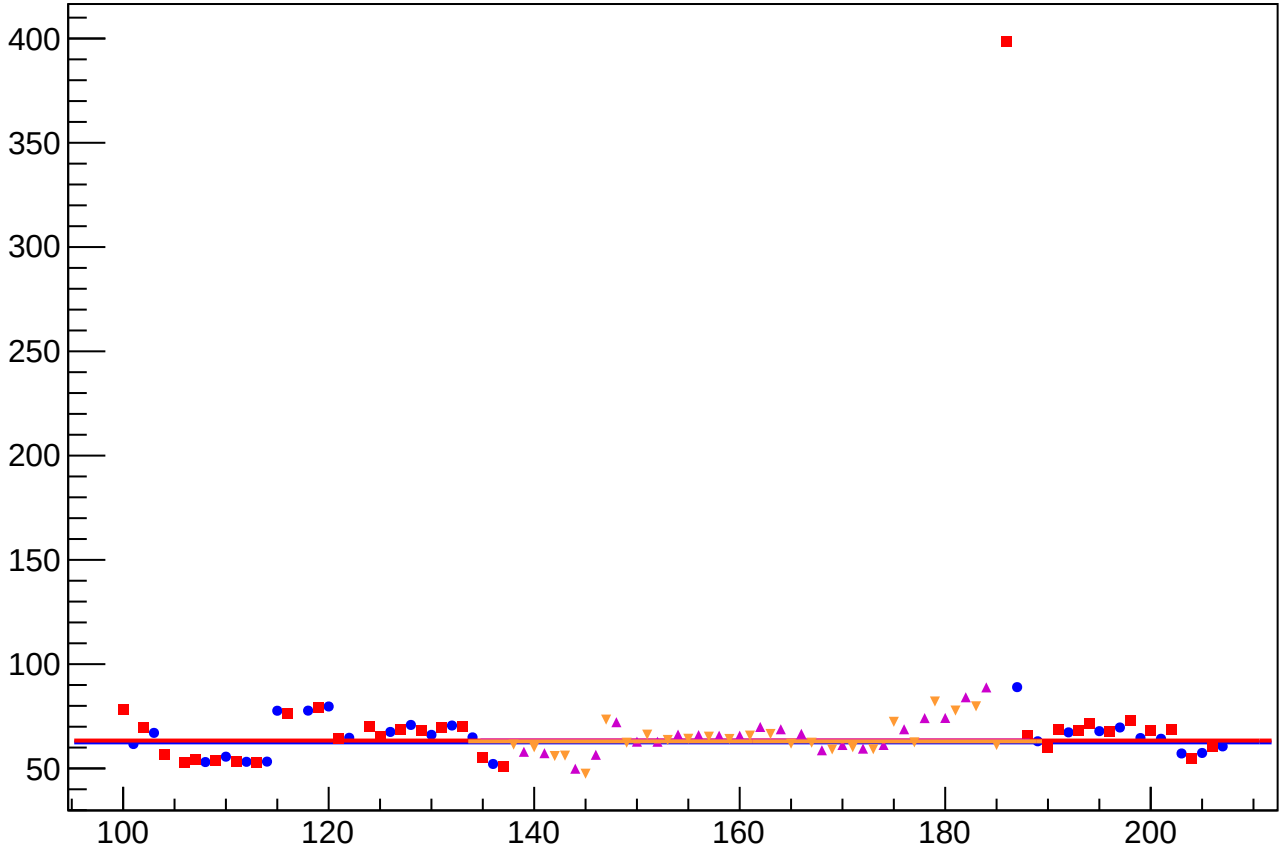
Right: -4.820+/-11.381 χ^2/NDF: 62.7/56

In: 1.622+/-11.006 χ^2/NDF:47.9/48

Out: -5.424+/-10.689 χ^2/NDF:80.6/55

All: -2.003+/-7.668 χ^2/NDF: 128.8/104

reg_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 62.492+/-0.012 χ^2/NDF: 374819.8/25

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

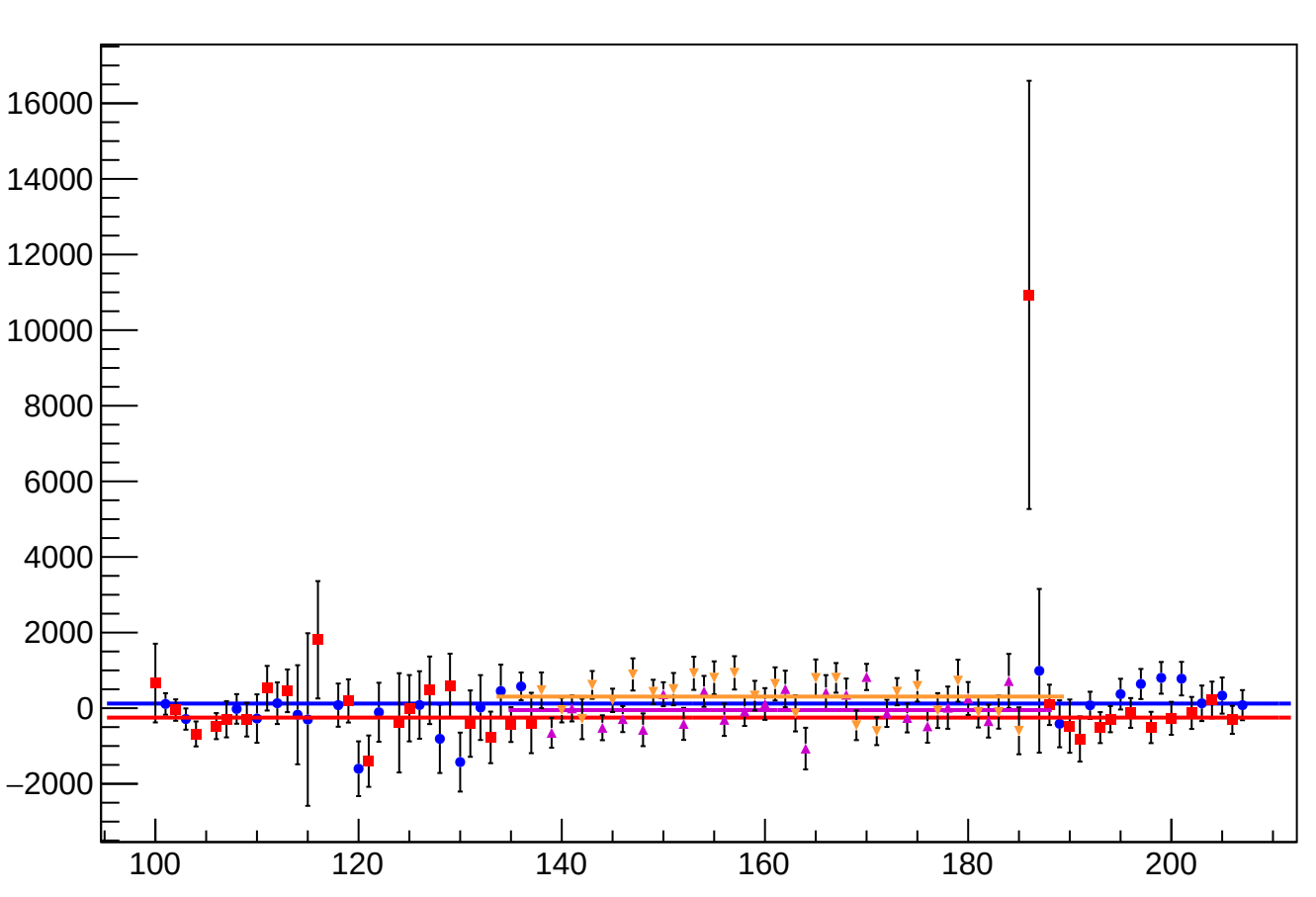
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 62.938+/-0.008 χ^2/NDF: 1392157.9/56

In: 62.966+/-0.008 χ^2/NDF:874872.6/48

Out: 63.151+/-0.008 χ^2/NDF:1541912.7/55

All: 63.062+/-0.005 χ^2/NDF: 2417076.2/104



Right In: 122.749+/-96.083 χ^2/NDF: 23.3/25

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

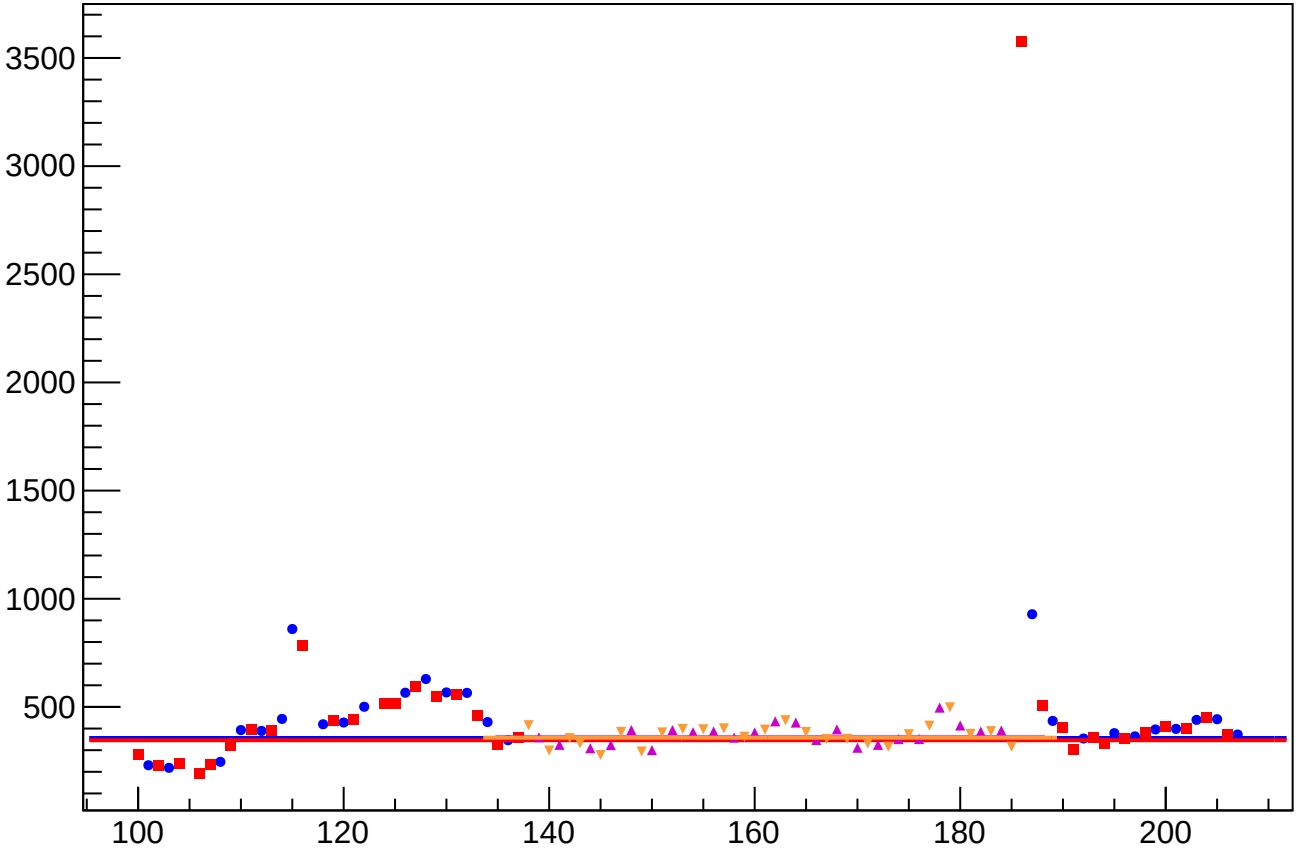
Right: -75.214+/-65.670 χ^2/NDF: 53.0/56

In: 25.662+/-63.595 χ^2/NDF:52.4/48

Out: 53.685+/-60.748 χ^2/NDF:73.2/55

All: 40.315+/-43.927 χ^2/NDF: 125.7/104

asym_sam_37_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 356.287+/-0.068 χ^2/NDF: 2189782.0/25

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

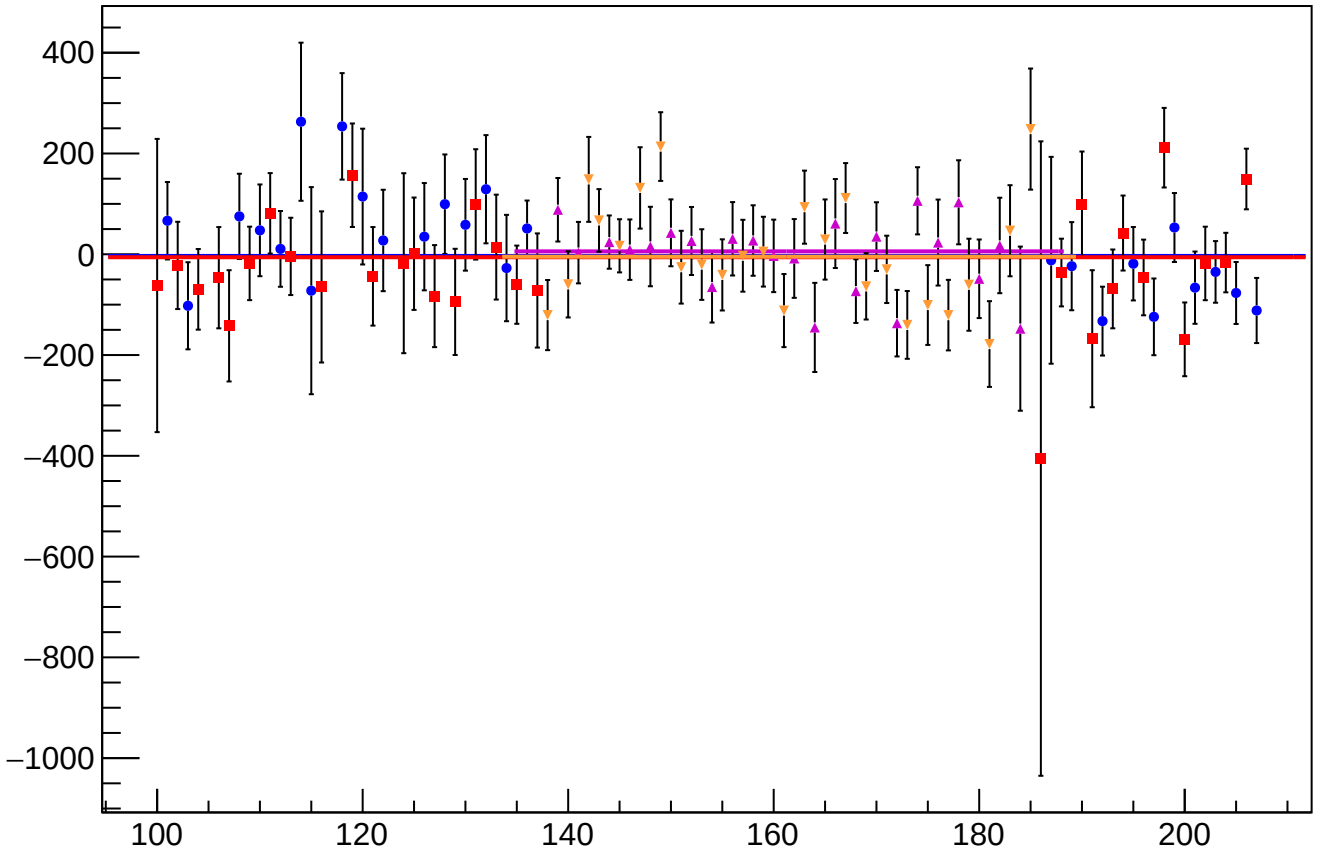
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 350.888+/-0.046 χ^2/NDF: 5187787.1/56

In: 358.008+/-0.045 χ^2/NDF:2710684.2/48

Out: 352.453+/-0.043 χ^2/NDF:3687902.1/55

All: 355.103+/-0.031 χ^2/NDF: 6406565.5/104



Right In: -3.327+/-16.287 χ^2/NDF: 29.5/25

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

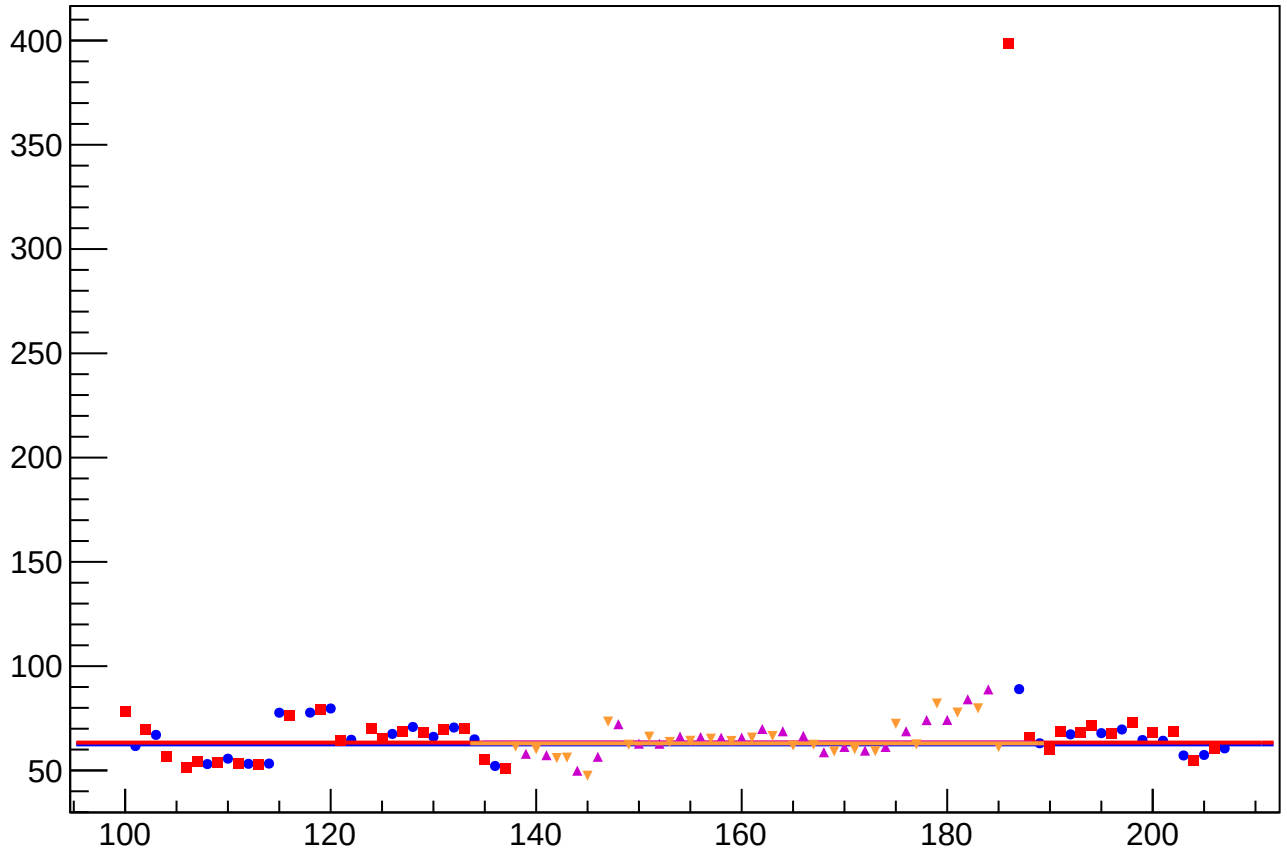
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -4.650+/-11.383 χ^2/NDF: 62.6/56

In: 1.619+/-11.006 χ^2/NDF:47.9/48

Out: -5.273+/-10.691 χ^2/NDF:80.5/55

All: -1.927+/-7.668 χ^2/NDF: 128.6/104



Right In: 62.492+/-0.012 χ^2/NDF: 374820.0/25

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

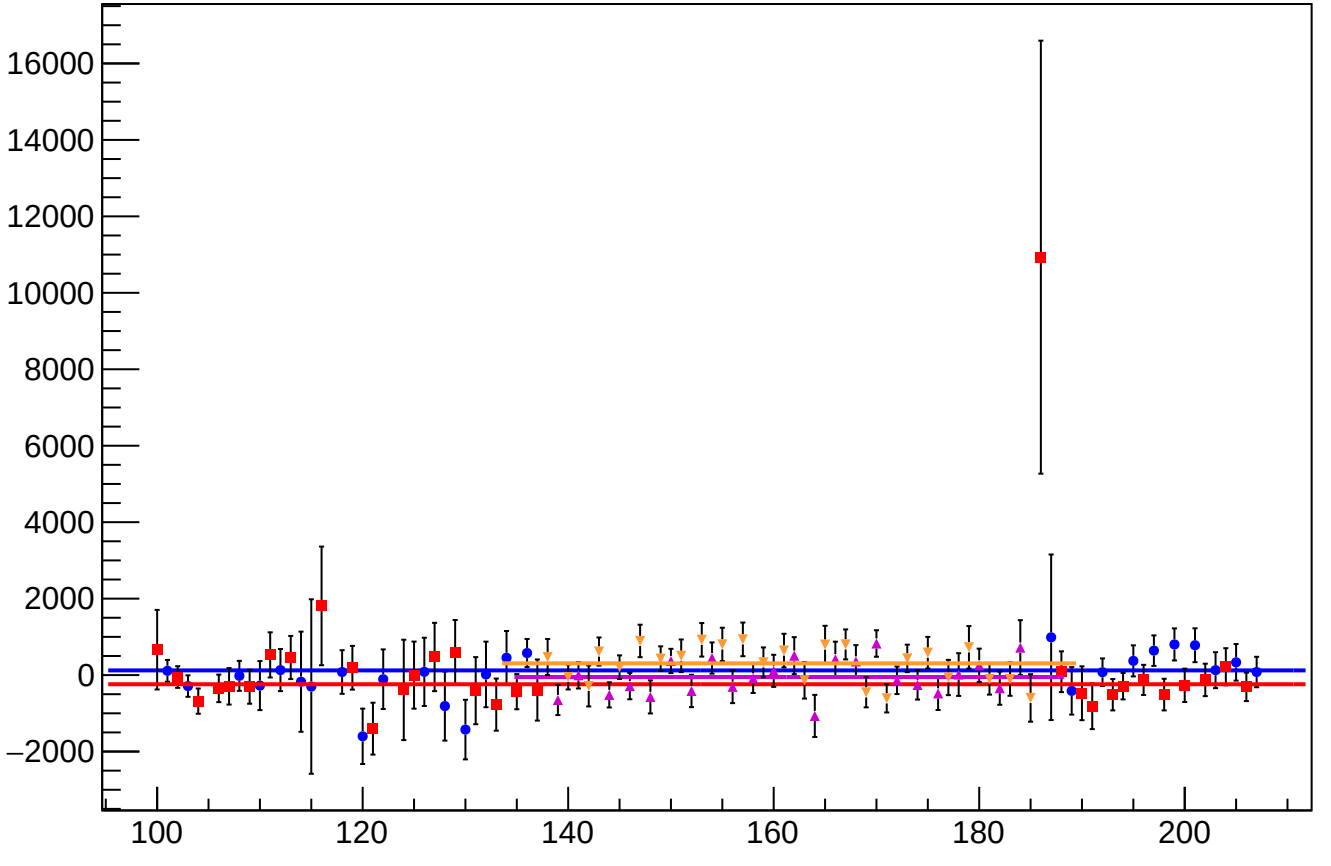
Right: 62.929+/-0.008 χ^2/NDF: 1396168.3/56

In: 62.966+/-0.008 χ^2/NDF:874872.8/48

Out: 63.143+/-0.008 χ^2/NDF:1545986.3/55

All: 63.057+/-0.005 χ^2/NDF: 2421124.0/104

asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 122.755+/-96.083 χ^2/NDF: 23.3/25

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

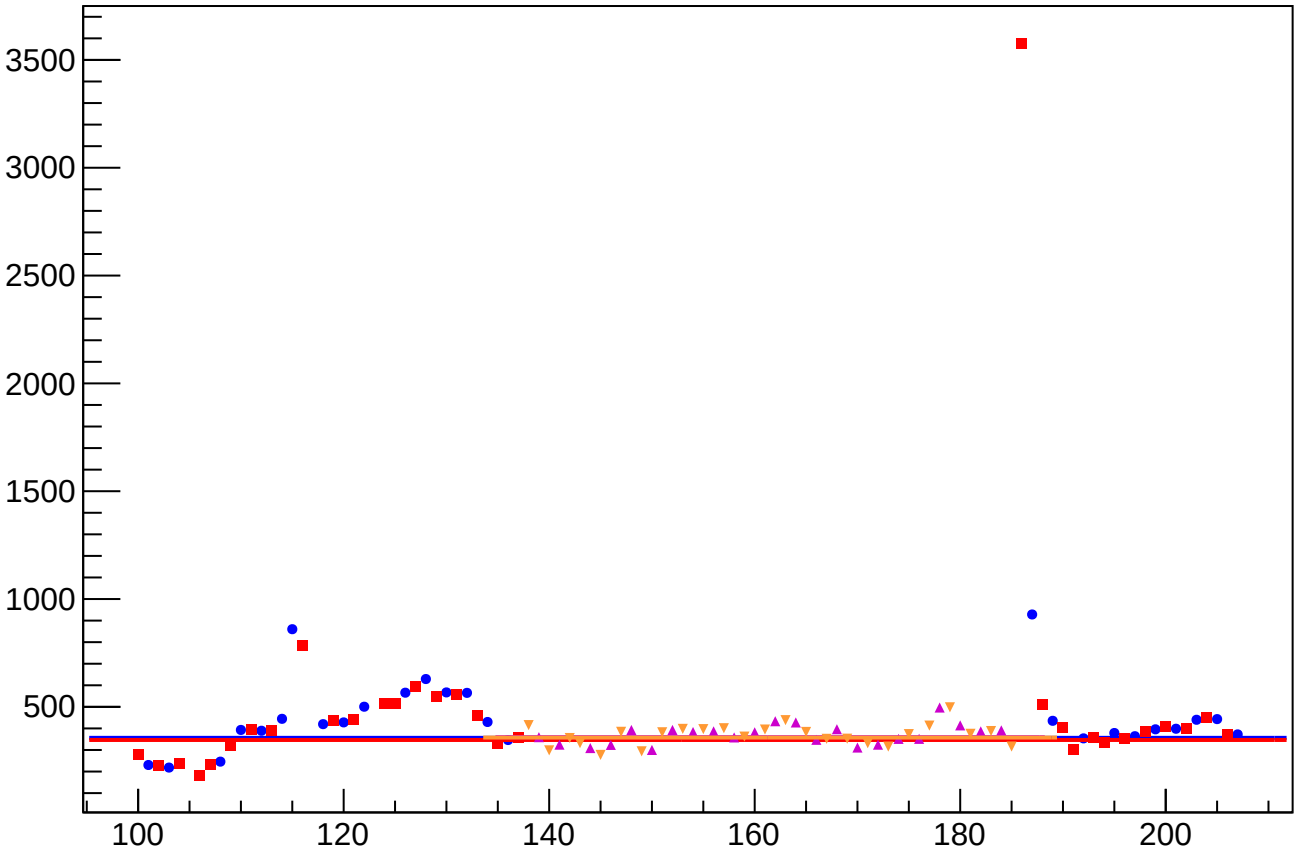
Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

Right: -69.794+/-65.776 χ^2/NDF: 52.3/56

In: 25.665+/-63.596 χ^2/NDF:52.4/48

Out: 58.673+/-60.832 χ^2/NDF:72.1/55

All: 42.902+/-43.959 χ^2/NDF: 124.6/104



Right In: 356.288+/-0.068 χ^2/NDF: 2189699.9/25

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

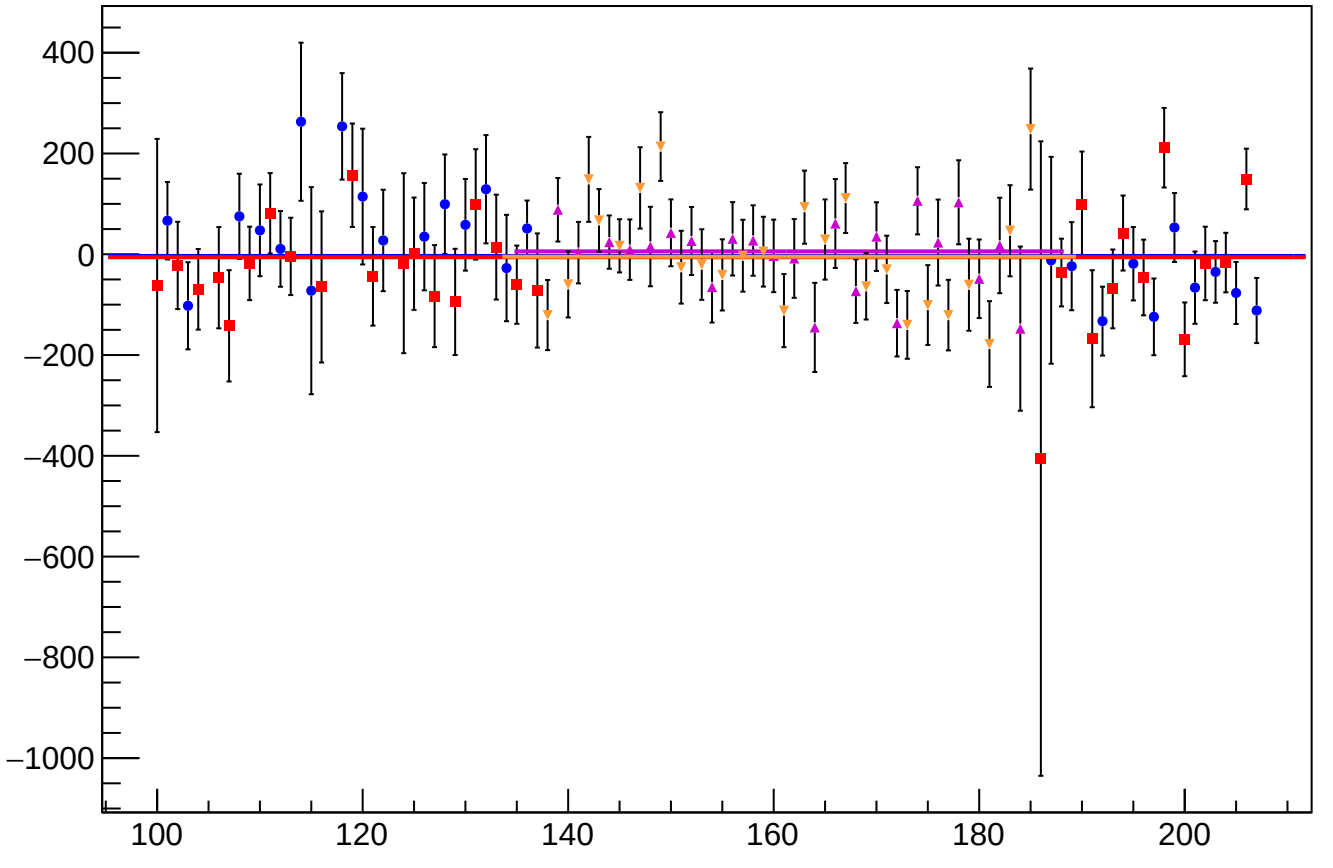
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 351.063+/-0.047 χ^2/NDF: 5202206.4/56

In: 358.009+/-0.045 χ^2/NDF:2710603.7/48

Out: 352.607+/-0.043 χ^2/NDF:3702141.1/55

All: 355.188+/-0.031 χ^2/NDF: 6420281.3/104



Right In: -3.327+/-16.287 χ^2/NDF: 29.5/25

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

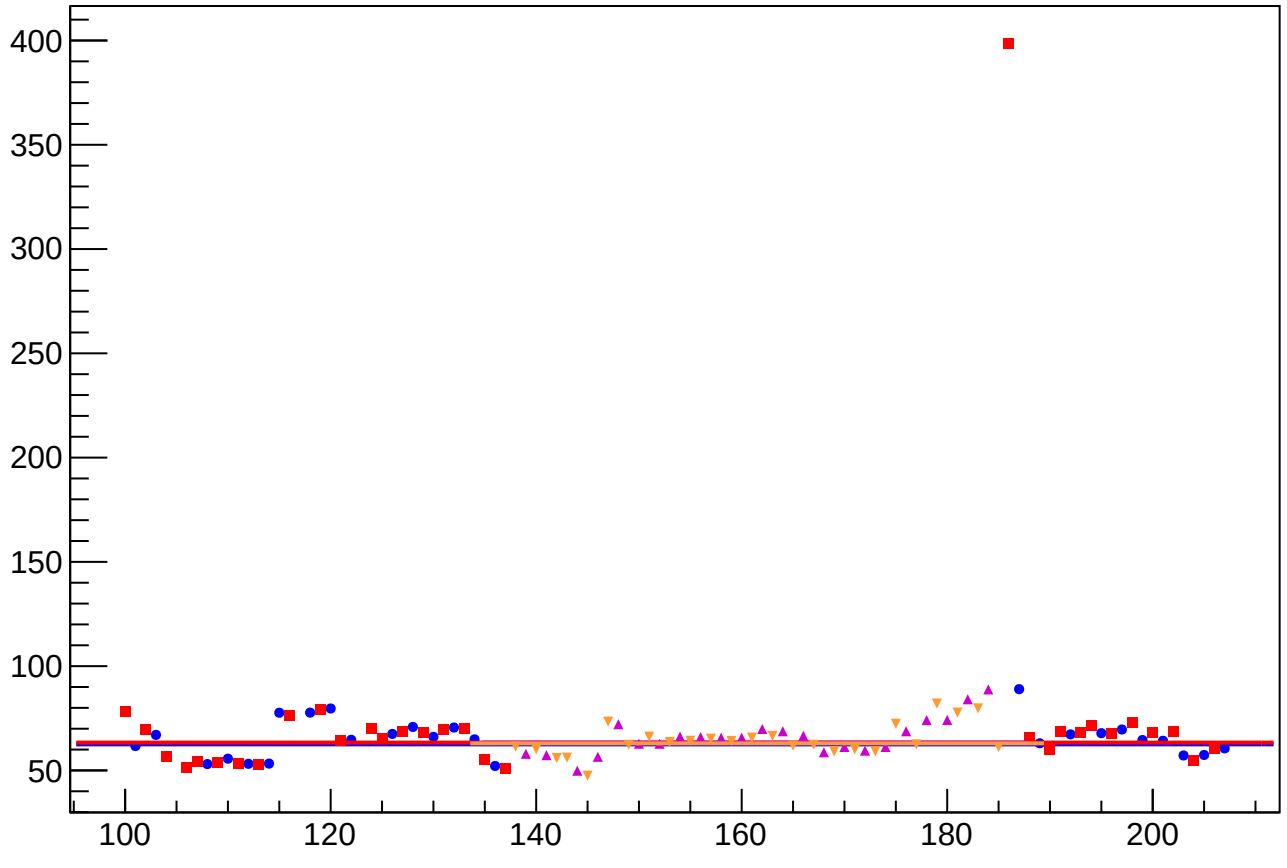
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -4.650+/-11.383 χ^2/NDF: 62.6/56

In: 1.619+/-11.006 χ^2/NDF:47.9/48

Out: -5.273+/-10.691 χ^2/NDF:80.5/55

All: -1.927+/-7.668 χ^2/NDF: 128.6/104



Right In: 62.492+/-0.012 χ^2/NDF: 374820.0/25

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

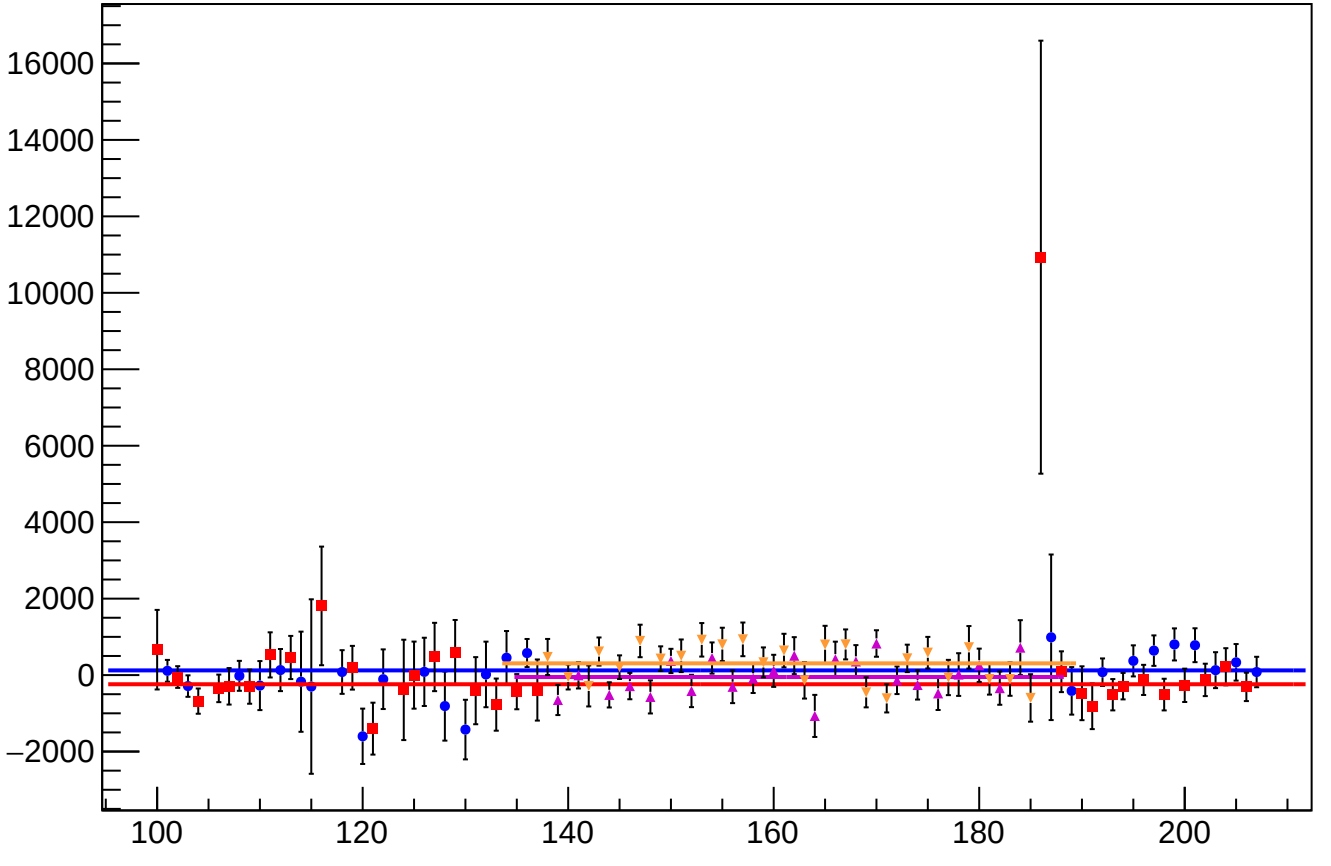
Right: 62.929+/-0.008 χ^2/NDF: 1396168.3/56

In: 62.966+/-0.008 χ^2/NDF:874872.8/48

Out: 63.143+/-0.008 χ^2/NDF:1545986.3/55

All: 63.057+/-0.005 χ^2/NDF: 2421124.0/104

asym_sam_37_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 122.755+/-96.083 χ^2/NDF: 23.3/25

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

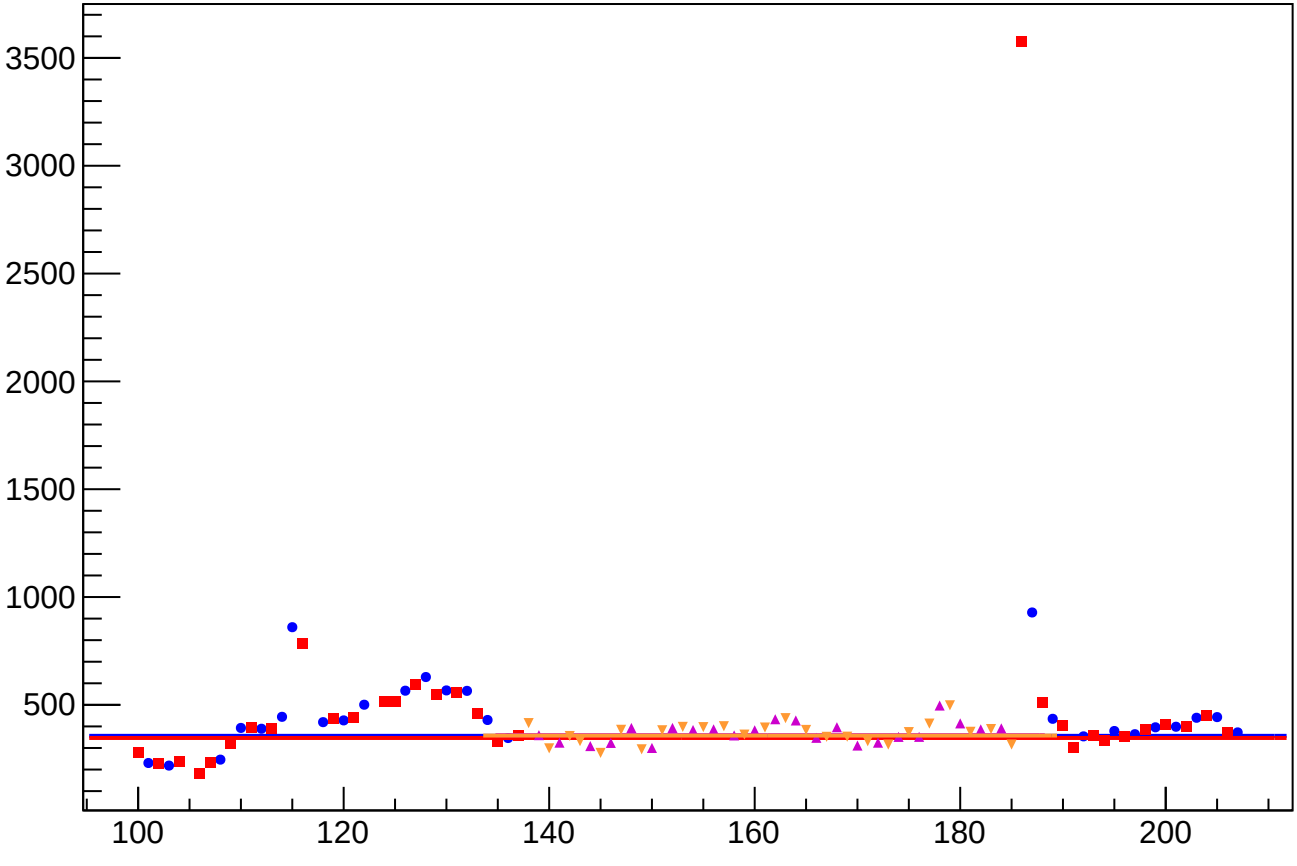
Right: -69.794+/-65.776 χ^2/NDF: 52.3/56

In: 25.665+/-63.596 χ^2/NDF:52.4/48

Out: 58.673+/-60.832 χ^2/NDF:72.1/55

All: 42.902+/-43.959 χ^2/NDF: 124.6/104

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 356.288+/-0.068 χ^2/NDF: 2189699.9/25

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

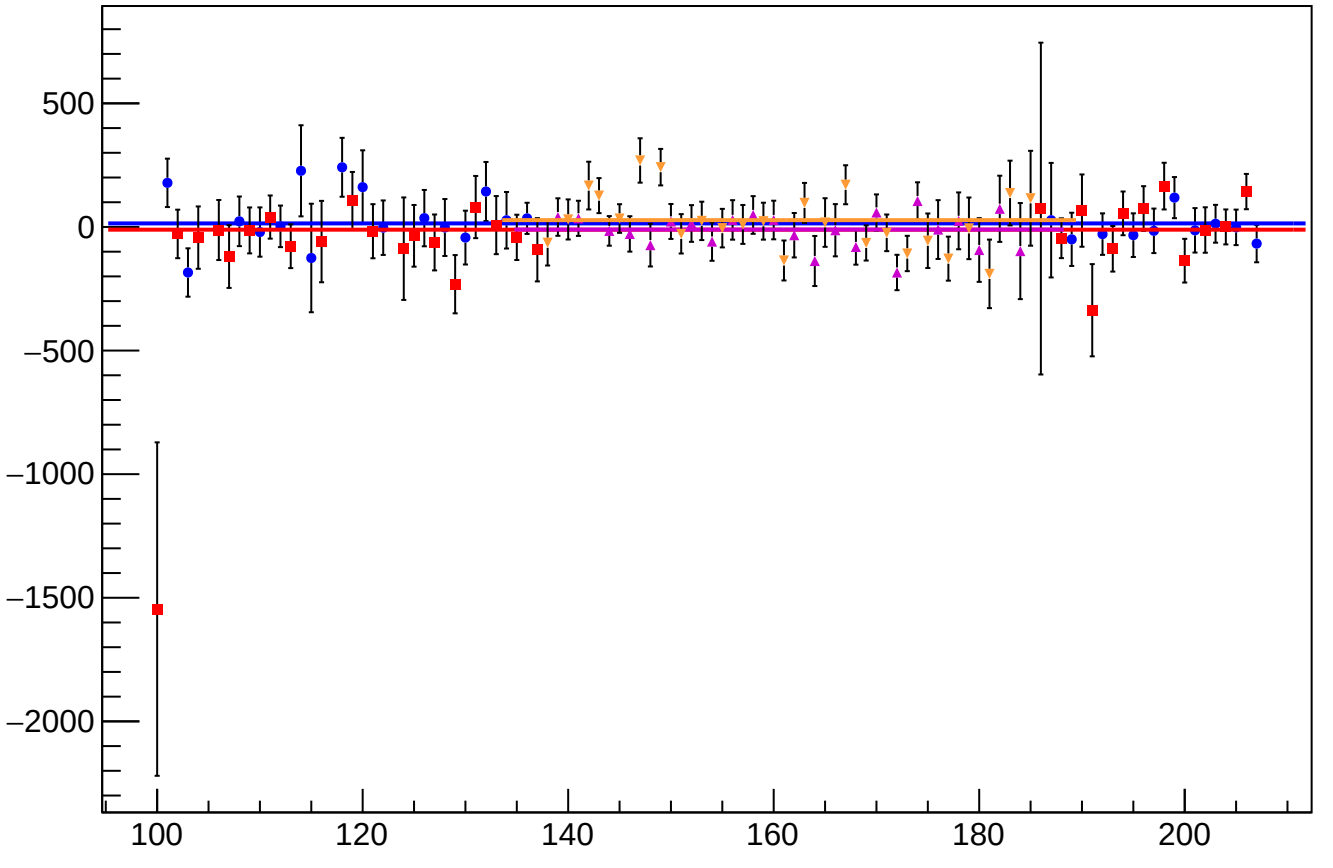
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 351.063+/-0.047 χ^2/NDF: 5202206.4/56

In: 358.009+/-0.045 χ^2/NDF:2710603.7/48

Out: 352.607+/-0.043 χ^2/NDF:3702141.1/55

All: 355.188+/-0.031 χ^2/NDF: 6420281.3/104



Right In: 14.366+/-19.105 χ^2/NDF: 19.0/25

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

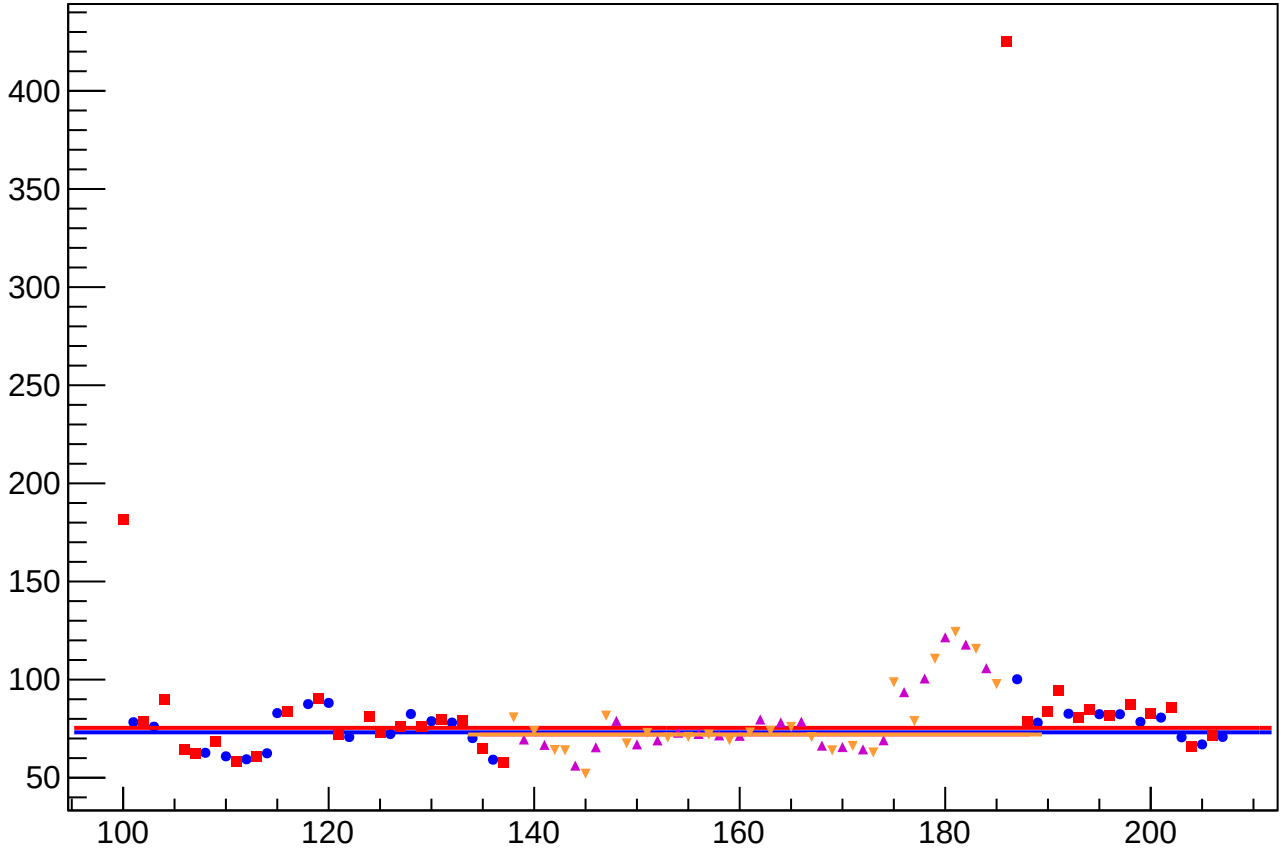
Right: 1.604+/-13.467 χ^2/NDF: 48.7/56

In: 0.638+/-12.793 χ^2/NDF:36.0/48

Out: 10.729+/-12.557 χ^2/NDF:73.5/55

All: 5.778+/-8.961 χ^2/NDF: 109.8/104

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.142+/-0.014 χ^2/NDF: 435379.9/25

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

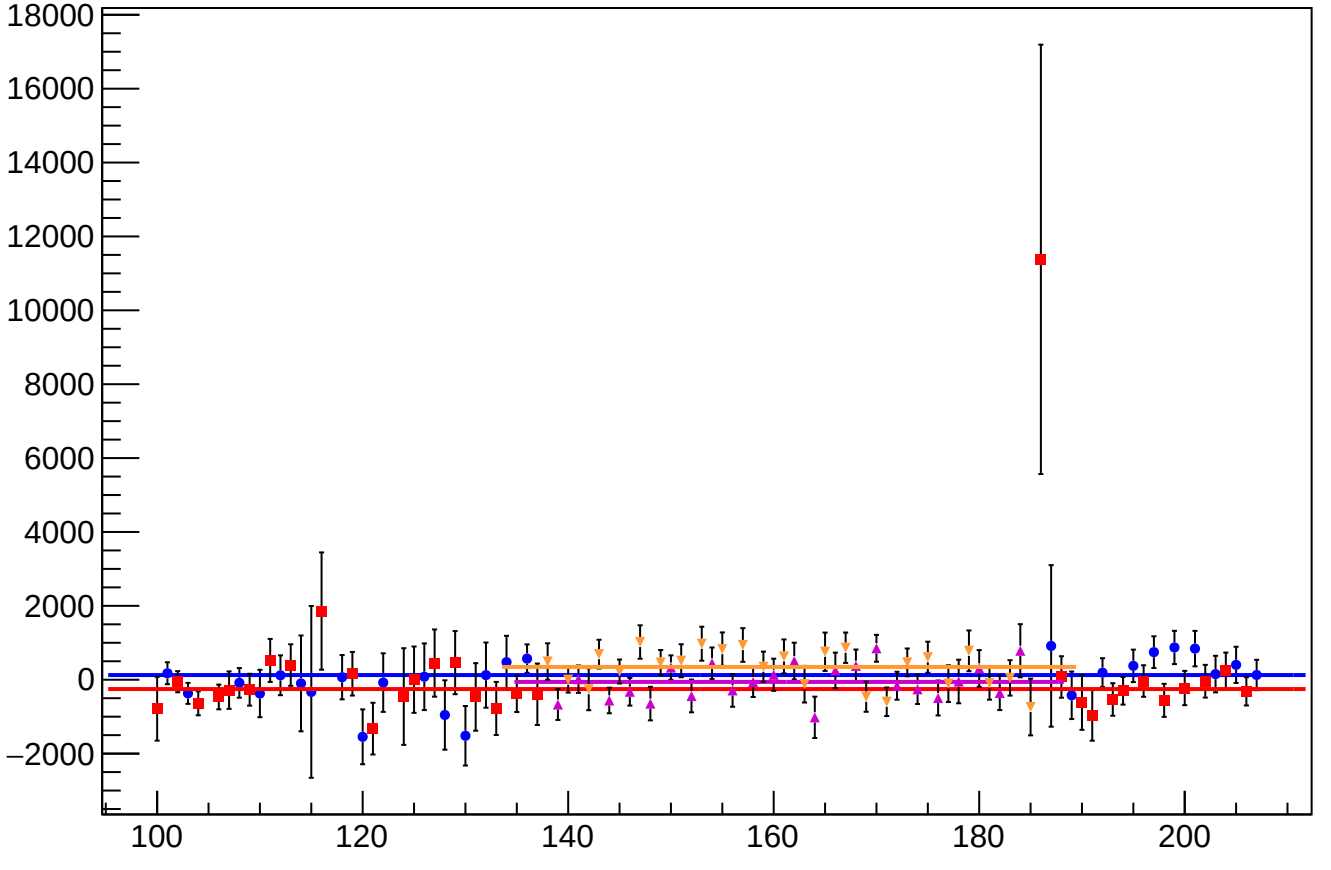
Right: 74.287+/-0.010 χ^2/NDF: 1544896.7/56

In: 72.563+/-0.009 χ^2/NDF:1497569.4/48

Out: 73.518+/-0.009 χ^2/NDF:2400301.7/55

All: 73.049+/-0.006 χ^2/NDF: 3903543.6/104

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 126.426+/-100.086 χ^2/NDF: 24.8/25

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

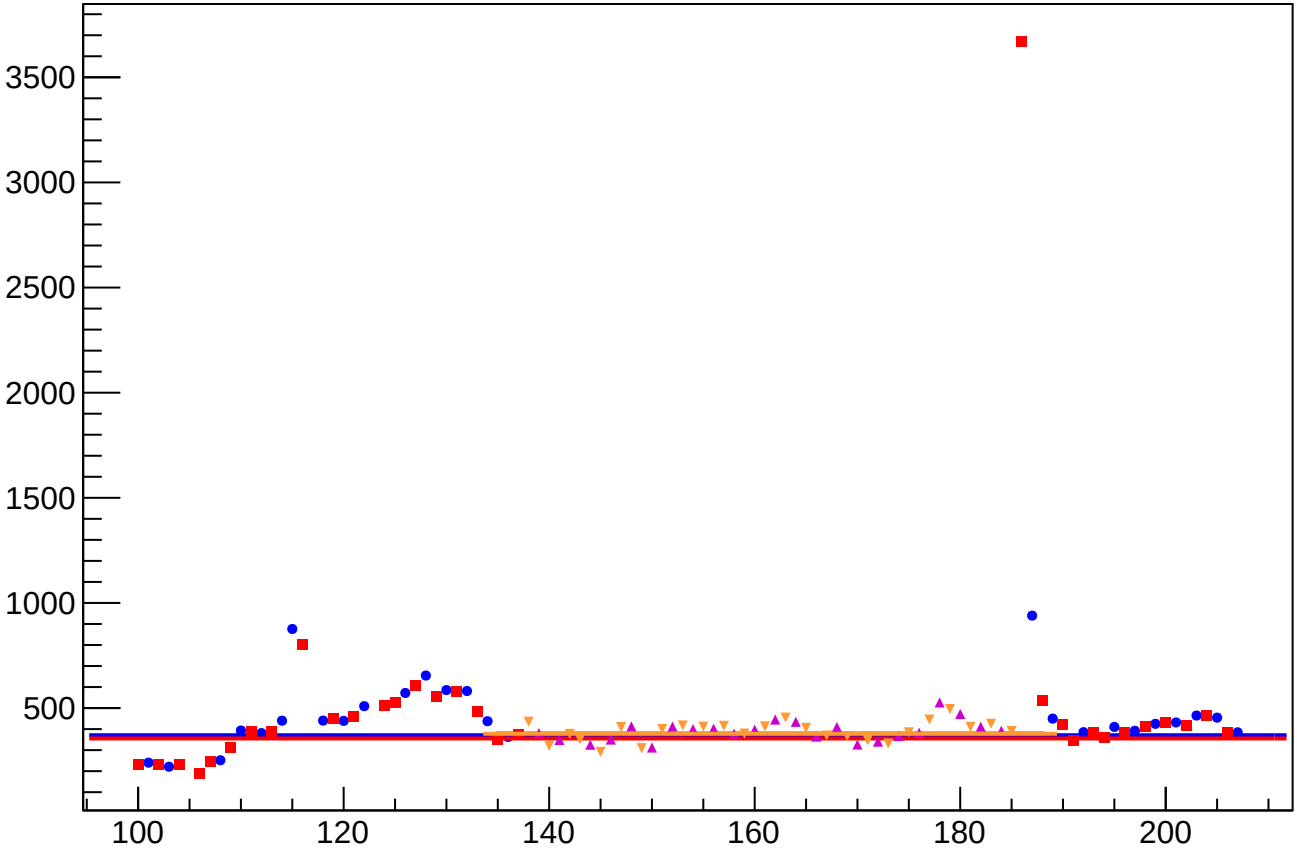
Right: -77.552+/-68.018 χ^2/NDF: 53.1/56

In: 22.796+/-66.679 χ^2/NDF:52.6/48

Out: 66.322+/-63.375 χ^2/NDF:71.7/55

All: 45.664+/-45.937 χ^2/NDF: 124.5/104

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.874+/-0.071 χ^2/NDF: 2262739.0/25

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

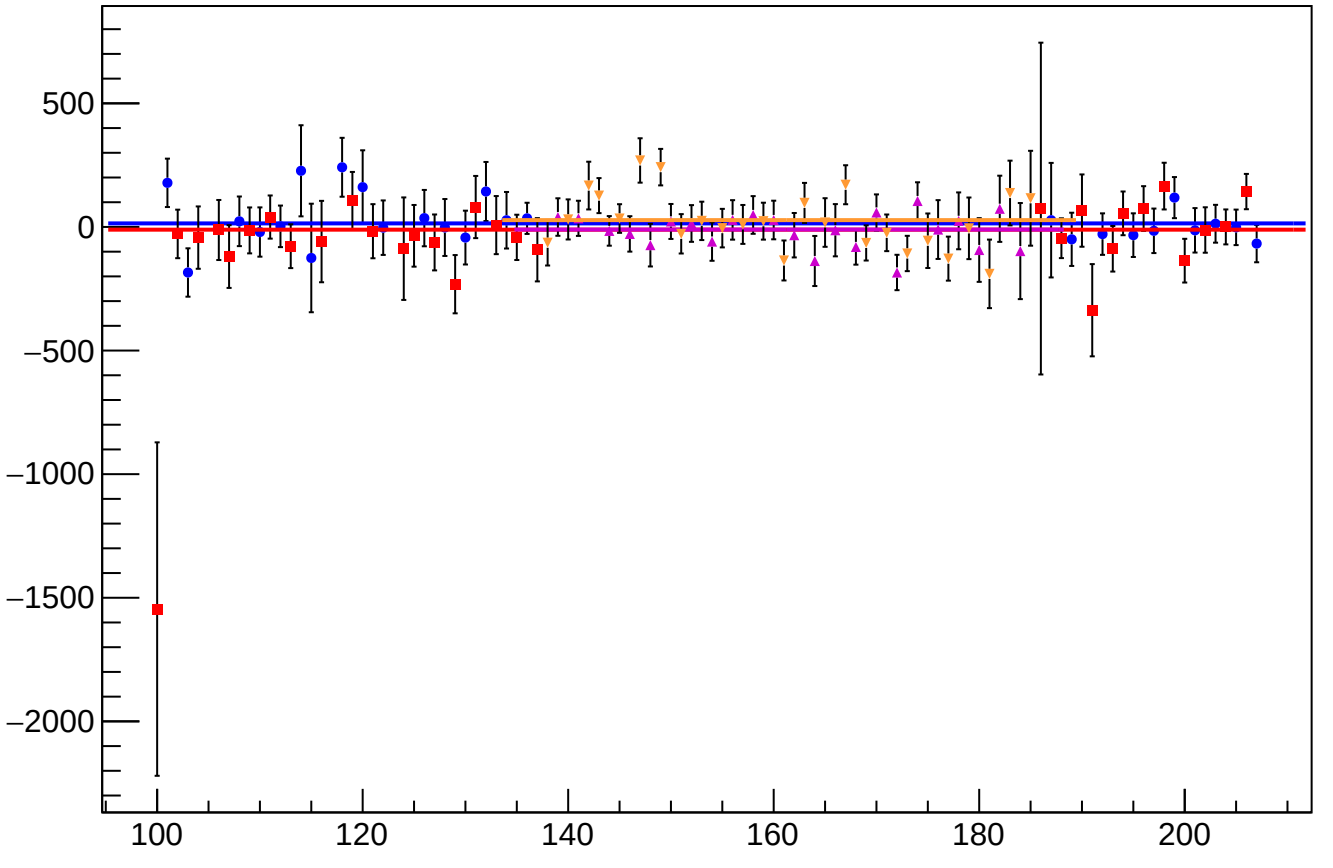
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 362.555+/-0.048 χ^2/NDF: 5551127.6/56

In: 375.320+/-0.047 χ^2/NDF:2797523.1/48

Out: 367.341+/-0.045 χ^2/NDF:3961518.0/55

All: 371.128+/-0.032 χ^2/NDF: 6774089.3/104



Right In: 14.366+/-19.105 χ^2/NDF: 19.0/25

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

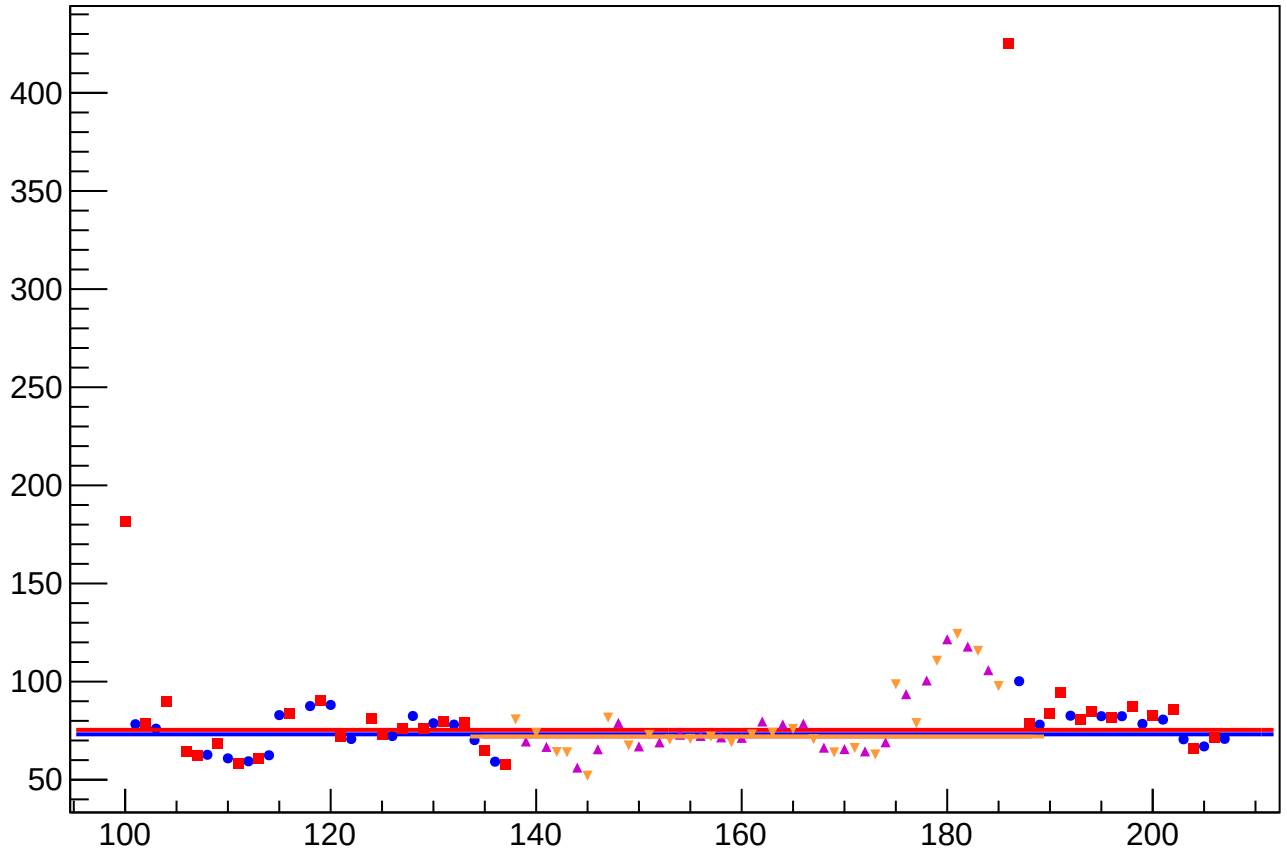
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: 1.604+/-13.467 χ^2/NDF: 48.7/56

In: 0.638+/-12.793 χ^2/NDF:36.0/48

Out: 10.729+/-12.557 χ^2/NDF:73.5/55

All: 5.777+/-8.961 χ^2/NDF: 109.8/104



Right In: 73.142+/-0.014 χ^2/NDF: 435377.6/25

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

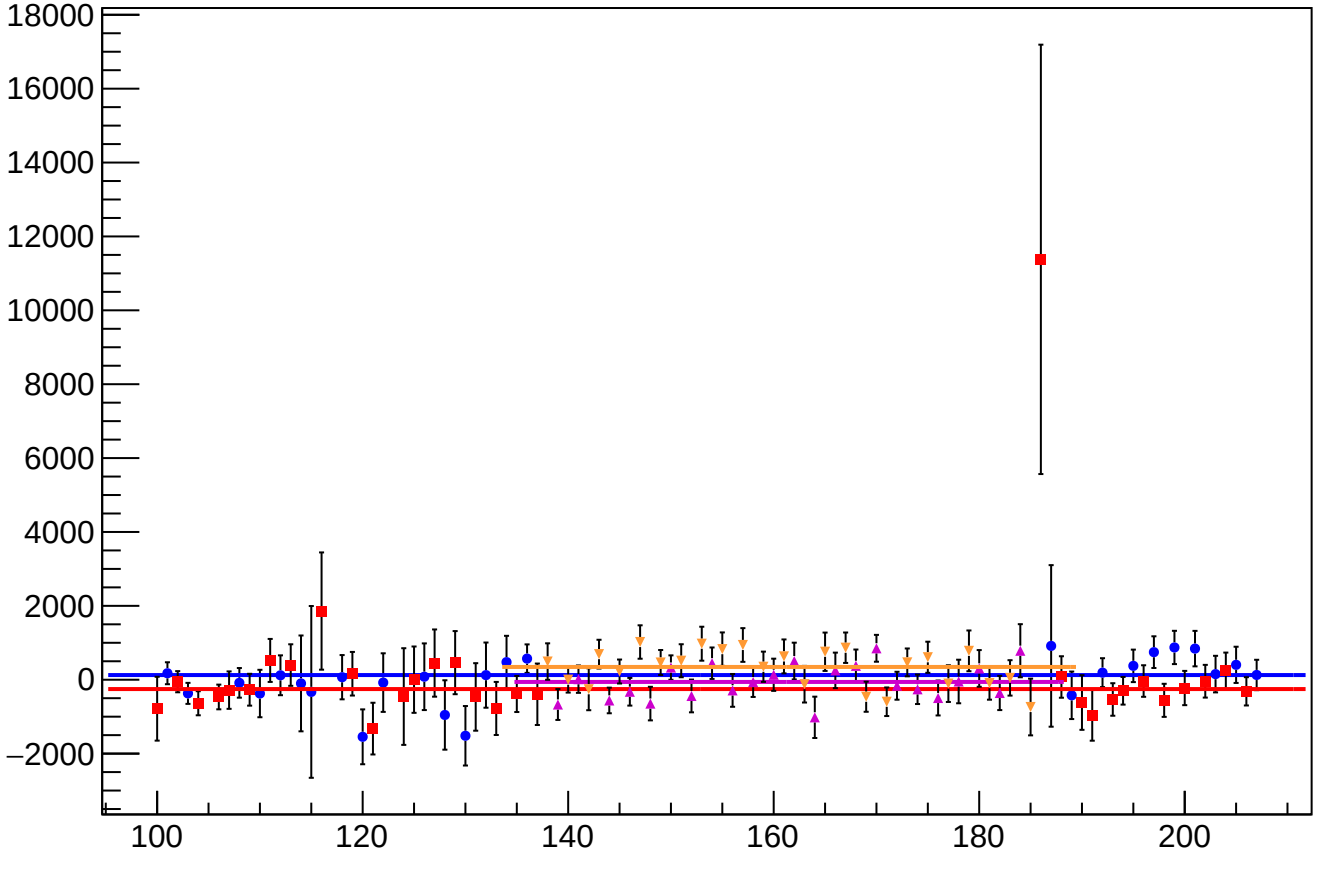
Right: 74.287+/-0.010 χ^2/NDF: 1544895.0/56

In: 72.563+/-0.009 χ^2/NDF:1497557.4/48

Out: 73.518+/-0.009 χ^2/NDF:2400309.4/55

All: 73.049+/-0.006 χ^2/NDF: 3903539.4/104

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 126.426+/-100.085 χ^2/NDF: 24.8/25

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

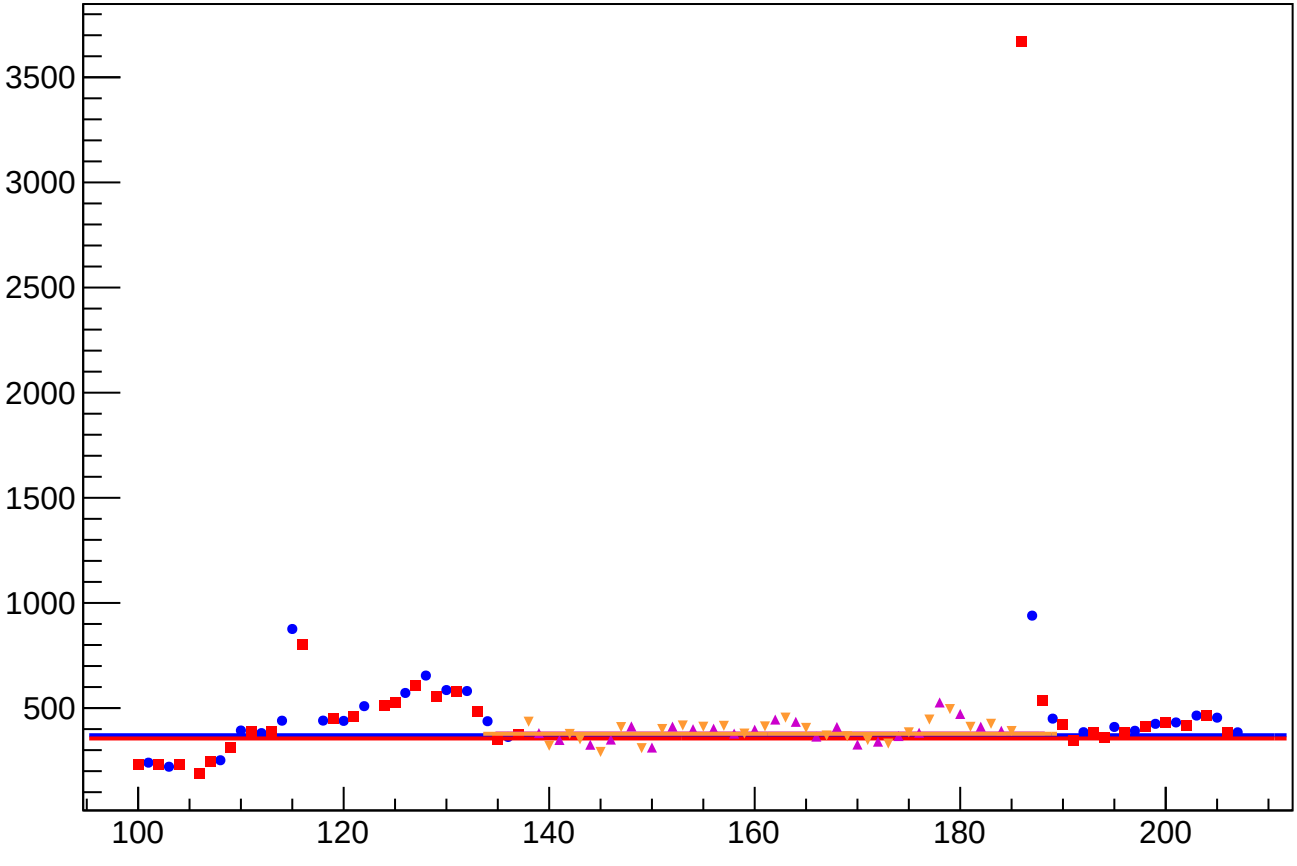
Right: -77.552+/-68.018 χ^2/NDF: 53.1/56

In: 22.796+/-66.679 χ^2/NDF:52.6/48

Out: 66.322+/-63.375 χ^2/NDF:71.7/55

All: 45.664+/-45.937 χ^2/NDF: 124.5/104

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.873+/-0.071 χ^2/NDF: 2262729.3/25

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

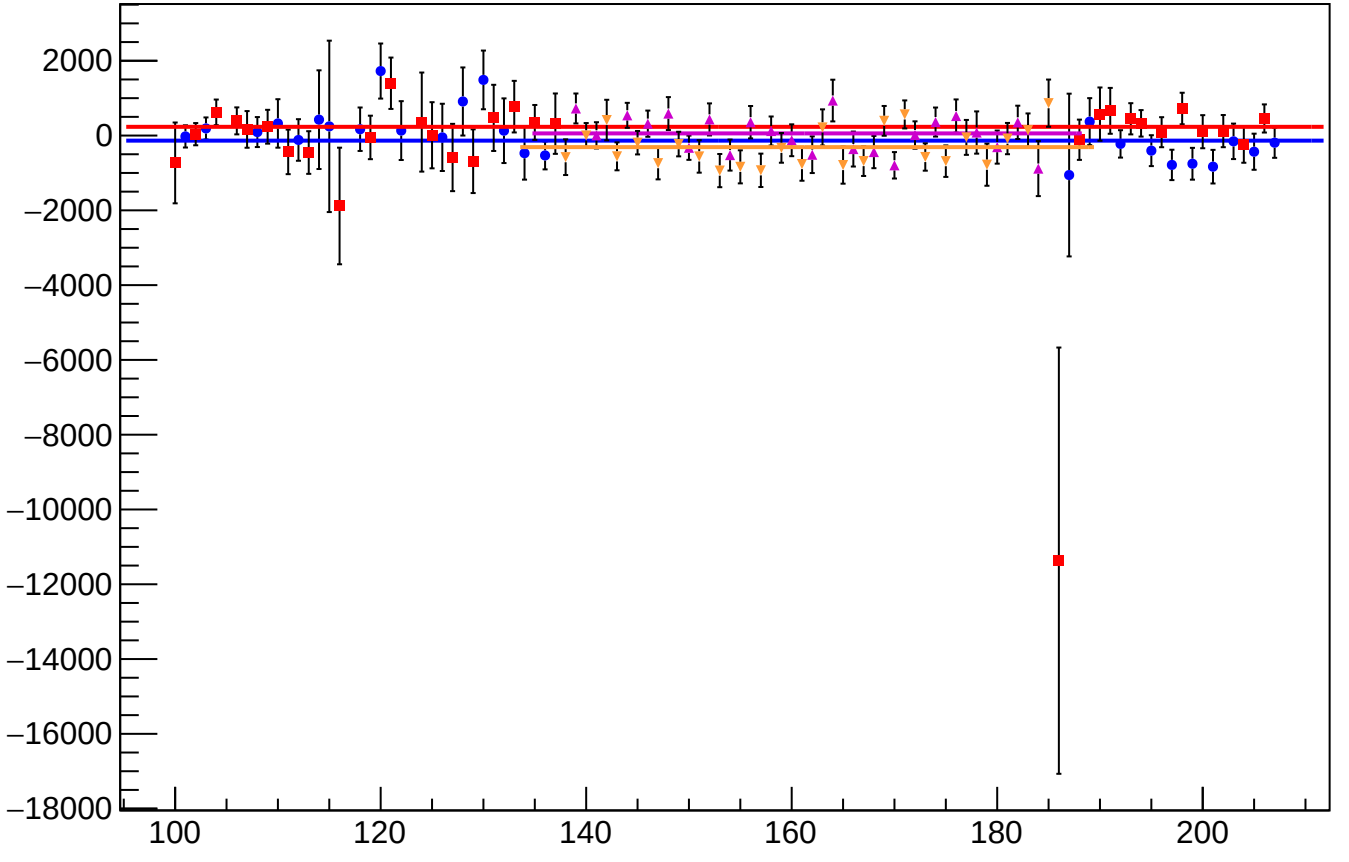
Right: 362.555+/-0.048 χ^2/NDF: 5551105.0/56

In: 375.320+/-0.047 χ^2/NDF:2797508.6/48

Out: 367.341+/-0.045 χ^2/NDF:3961503.6/55

All: 371.128+/-0.032 χ^2/NDF: 6774060.8/104

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -135.912+/-98.069 χ^2/NDF: 25.0/25

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

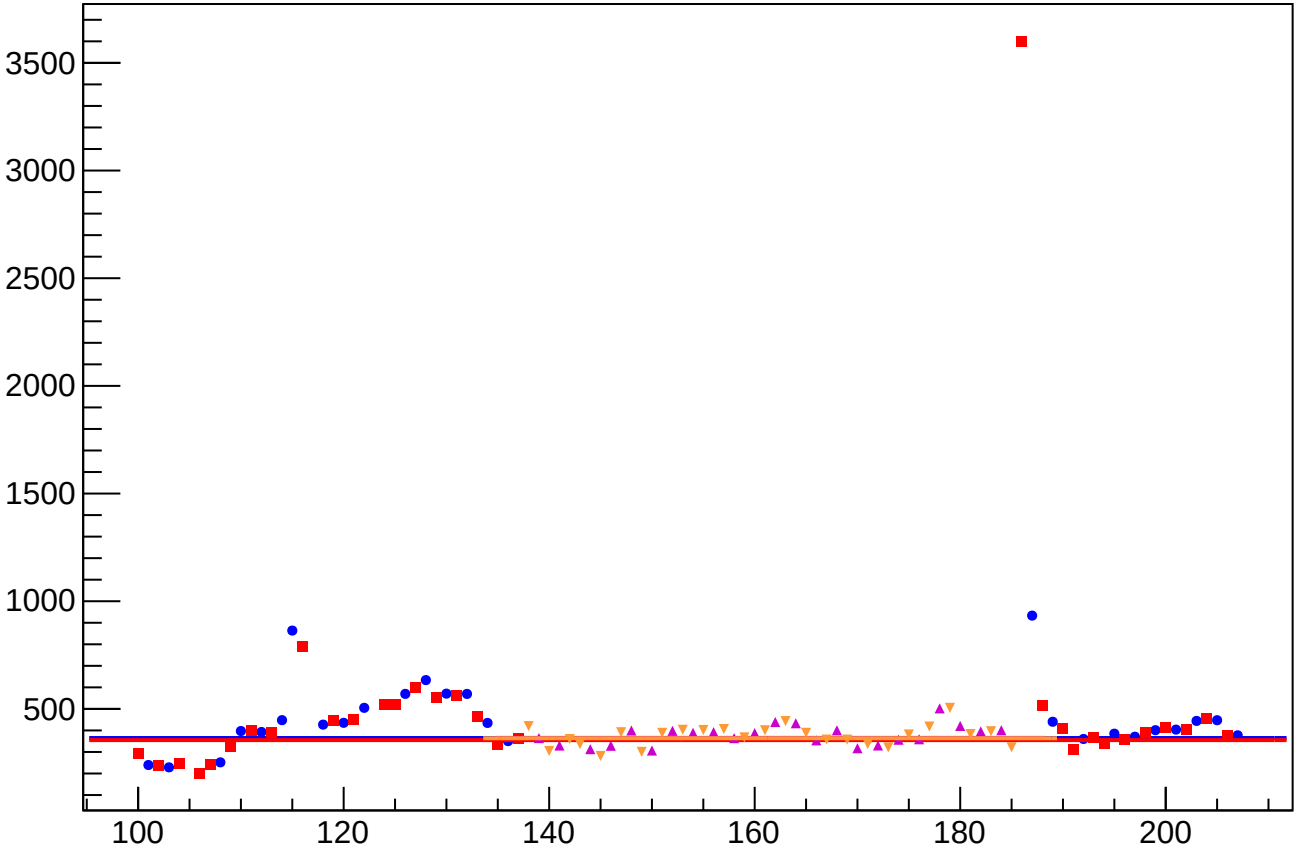
Right: 60.533+/-67.090 χ^2/NDF: 54.3/56

In: -26.803+/-64.755 χ^2/NDF:55.2/48

Out: -63.501+/-61.909 χ^2/NDF:70.8/55

All: -45.976+/-44.749 χ^2/NDF: 126.1/104

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 364.713+/-0.069 χ^2/NDF: 2029399.0/25

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

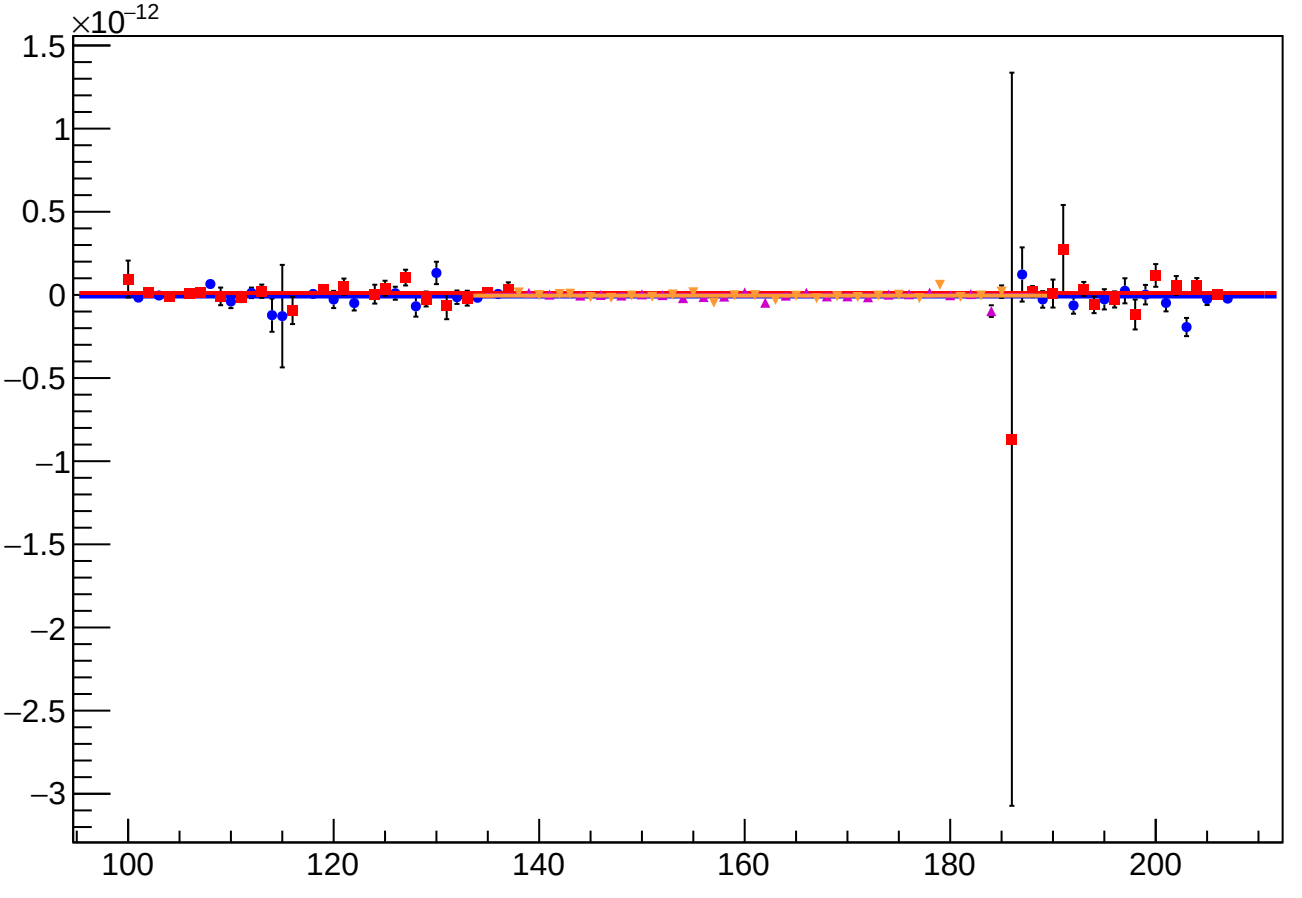
Right: 359.577+/-0.047 χ^2/NDF: 4843830.0/56

In: 365.058+/-0.046 χ^2/NDF:2538939.1/48

Out: 359.794+/-0.044 χ^2/NDF:3483051.1/55

All: 362.307+/-0.032 χ^2/NDF: 6028895.1/104

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.6/25

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

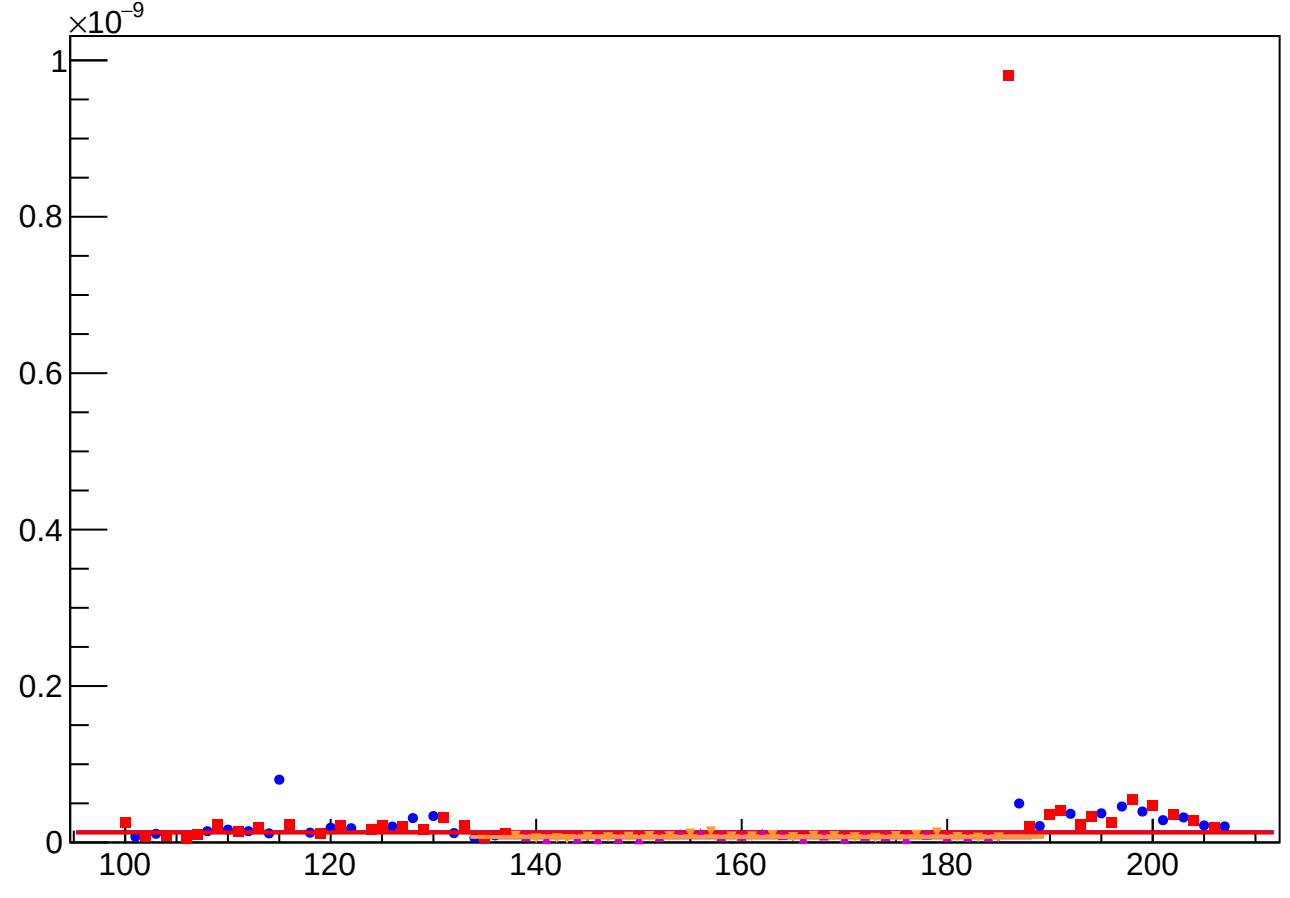
Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

Right: 0.000+/-0.000 χ^2/NDF: 60.8/56

In: -0.000+/-0.000 χ^2/NDF:55.0/48

Out: -0.000+/-0.000 χ^2/NDF:50.6/55

All: -0.000+/-0.000 χ^2/NDF: 105.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 3890438.3/25

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

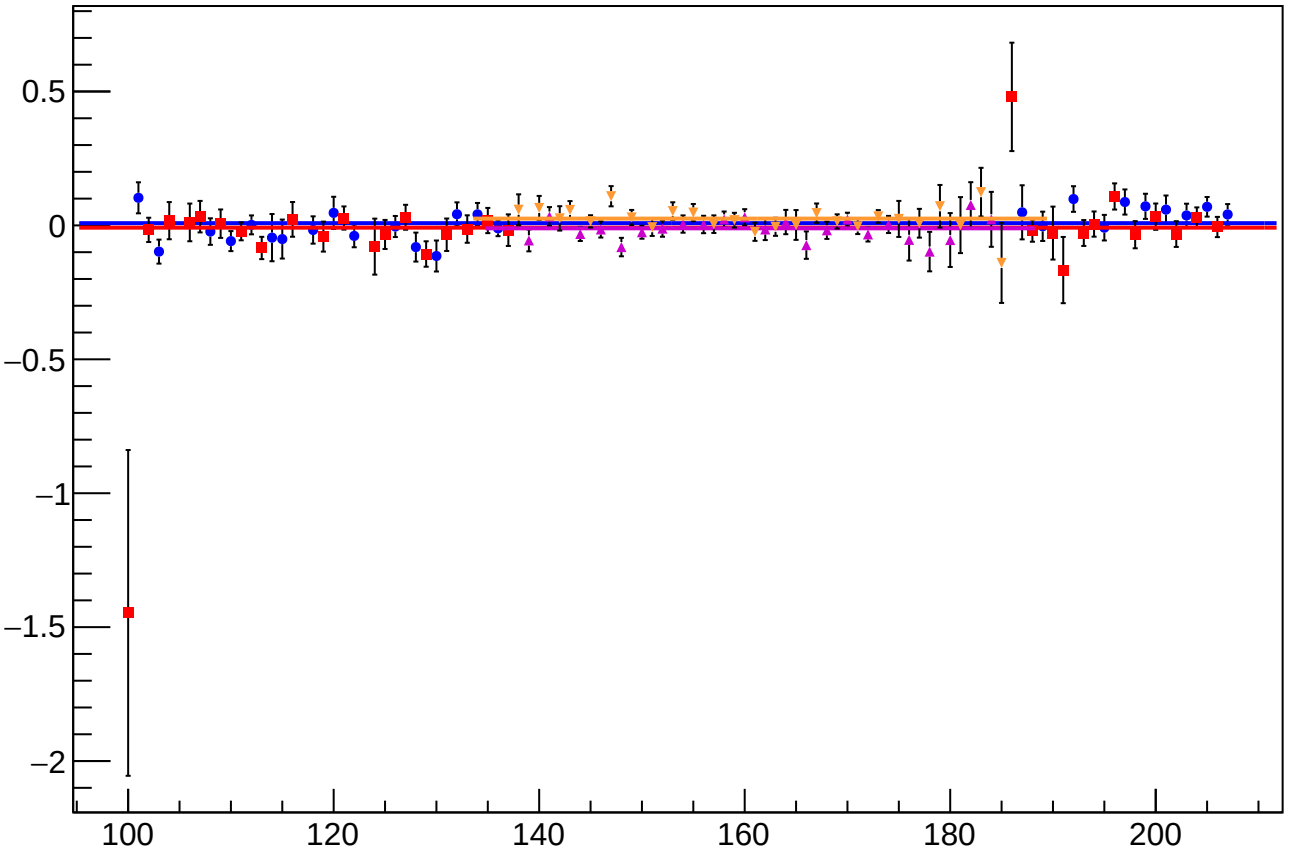
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8578111.2/56

In: 0.000+/-0.000 χ^2/NDF:7158540.2/48

Out: 0.000+/-0.000 χ^2/NDF:7121570.8/55

All: 0.000+/-0.000 χ^2/NDF: 14333720.2/104



Right In: 0.008+/-0.009 χ^2/NDF: 37.2/25

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

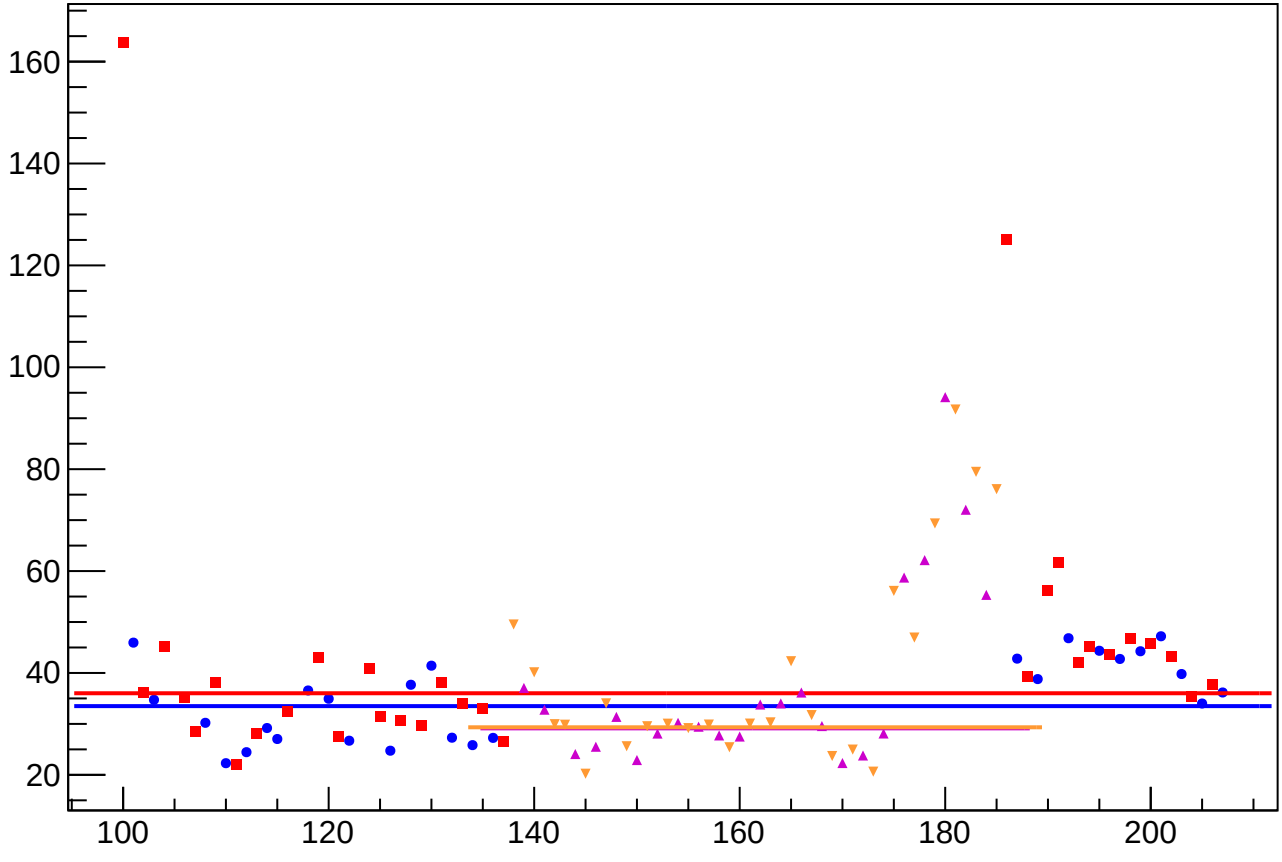
Right: 0.000+/-0.006 χ^2/NDF: 71.9/56

In: -0.003+/-0.006 χ^2/NDF:58.9/48

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.005+/-0.004 χ^2/NDF: 121.7/104

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.492+/-0.006 χ^2/NDF: 1500607.6/25

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

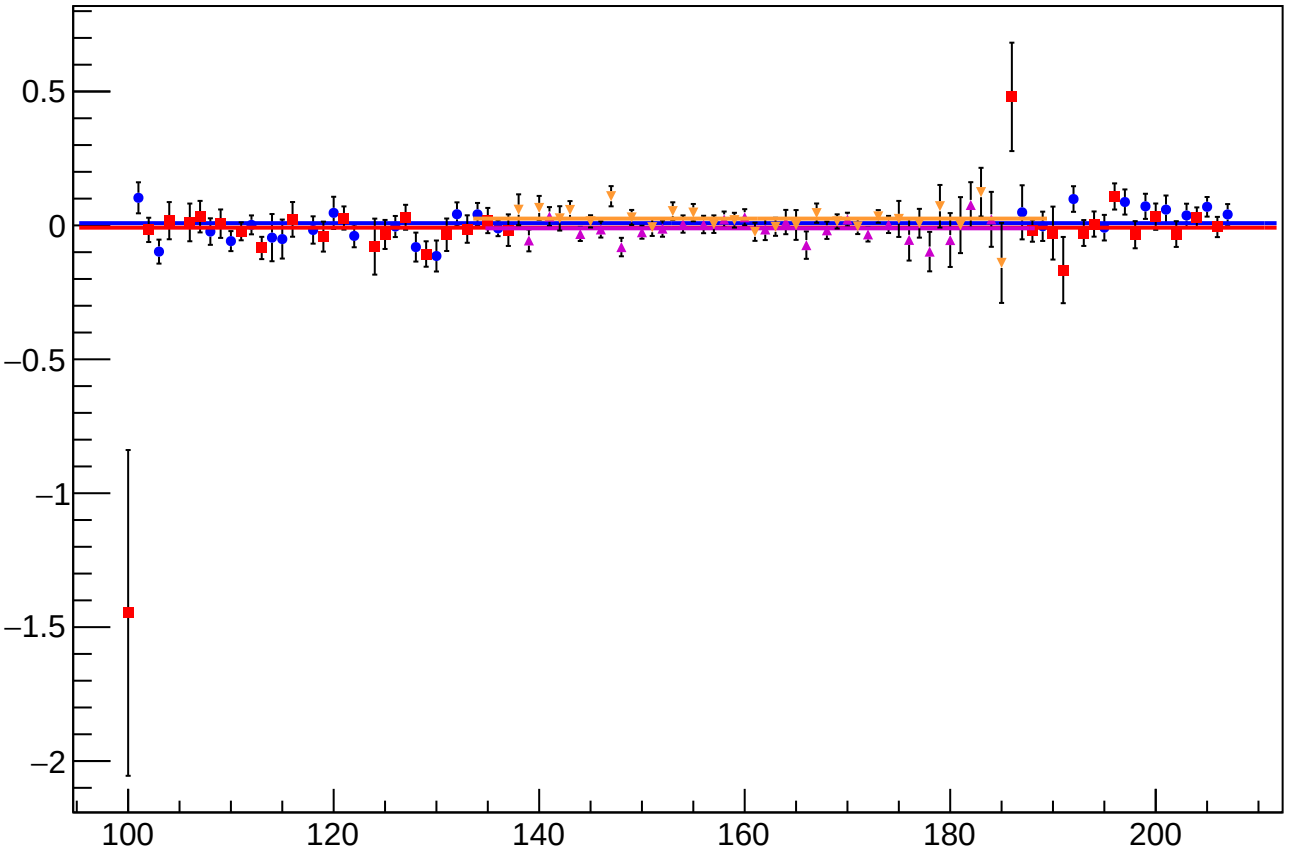
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.715+/-0.005 χ^2/NDF: 3358557.5/56

In: 30.851+/-0.004 χ^2/NDF:4622944.0/48

Out: 31.826+/-0.004 χ^2/NDF:6303070.2/55

All: 31.338+/-0.003 χ^2/NDF: 10955505.0/104



Right In: 0.008+/-0.009 χ^2/NDF: 37.2/25

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

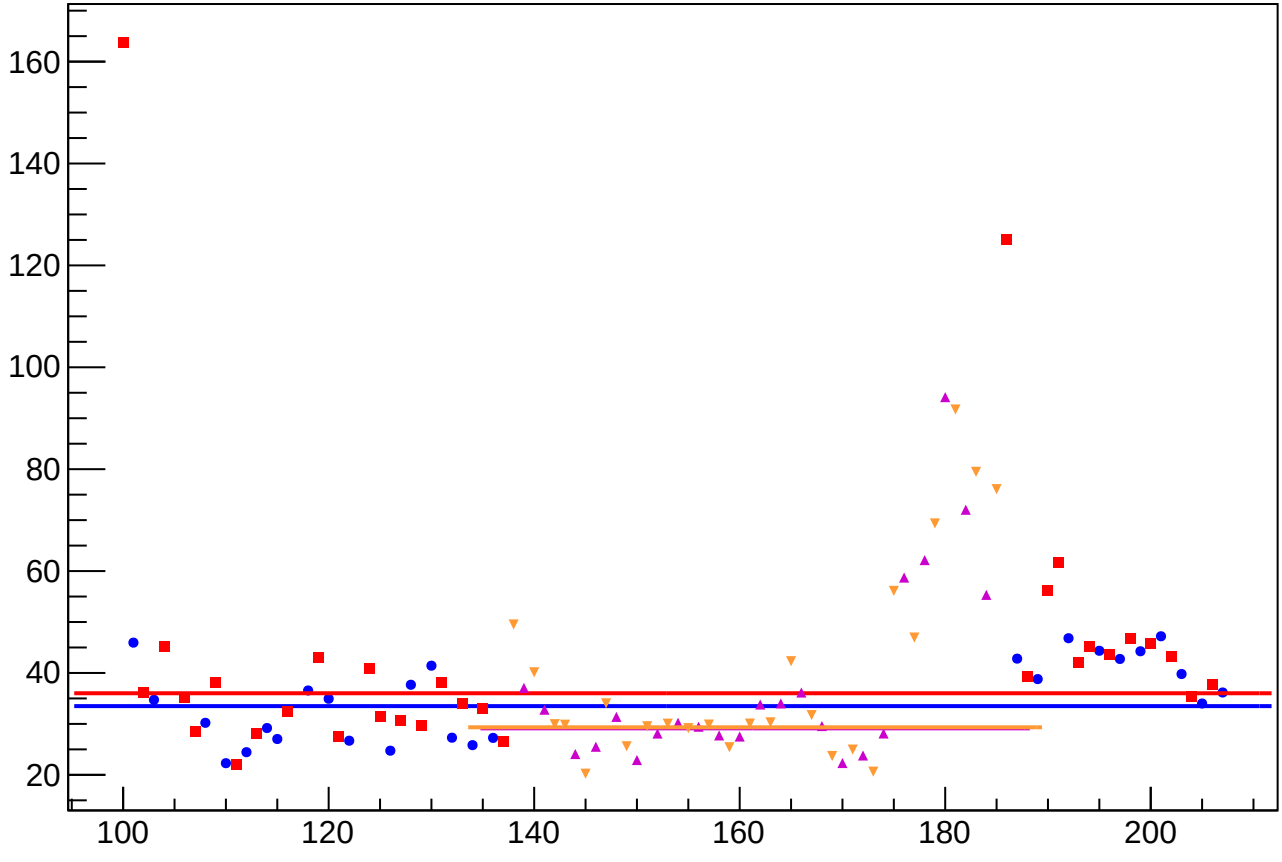
Right: 0.000+/-0.006 χ^2/NDF: 71.9/56

In: -0.003+/-0.006 χ^2/NDF:58.9/48

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.005+/-0.004 χ^2/NDF: 121.7/104

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.492+/-0.006 χ^2/NDF: 1500607.6/25

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

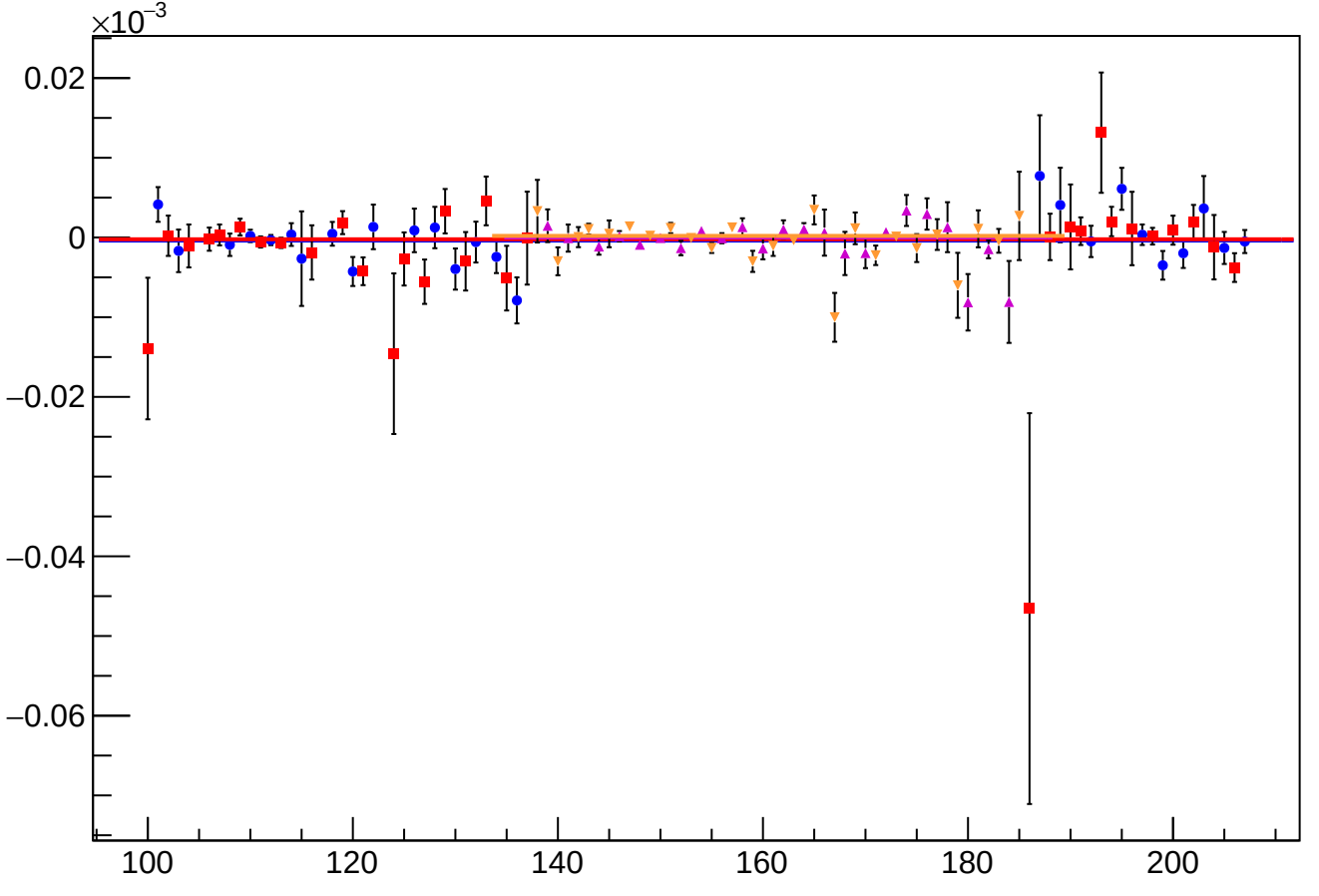
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.715+/-0.005 χ^2/NDF: 3358557.5/56

In: 30.851+/-0.004 χ^2/NDF:4622944.0/48

Out: 31.826+/-0.004 χ^2/NDF:6303070.2/55

All: 31.338+/-0.003 χ^2/NDF: 10955505.0/104



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/25

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

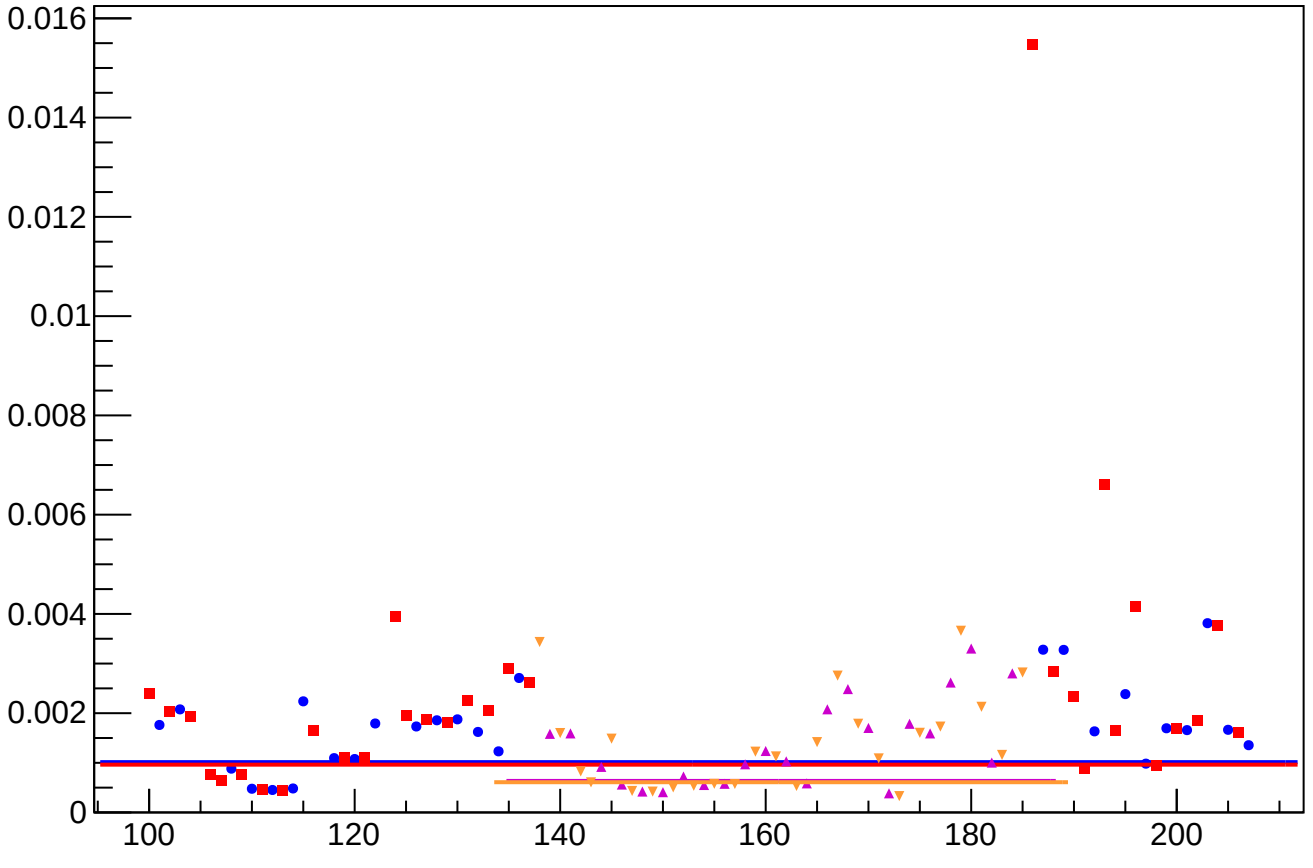
Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

Right: -0.000+/-0.000 χ^2/NDF: 74.4/56

In: -0.000+/-0.000 χ^2/NDF:68.6/48

Out: 0.000+/-0.000 χ^2/NDF:93.7/55

All: 0.000+/-0.000 χ^2/NDF: 163.1/104



Right In: 0.001+/-0.000 χ^2/NDF: 8156790.7/25

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

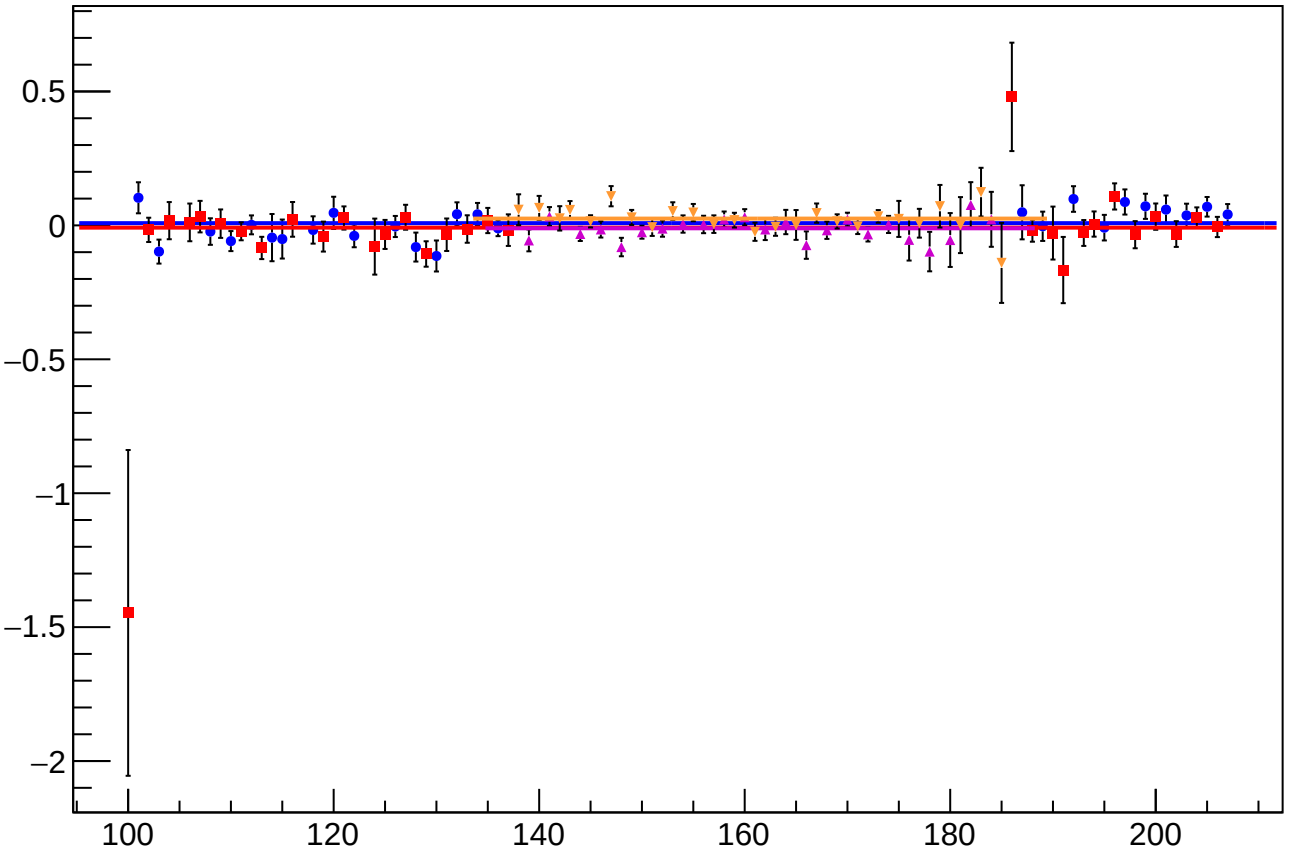
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 19266527.6/56

In: 0.001+/-0.000 χ^2/NDF:19648426.6/48

Out: 0.001+/-0.000 χ^2/NDF:24127073.4/55

All: 0.001+/-0.000 χ^2/NDF: 43826257.5/104



Right In: 0.008+/-0.009 χ^2/NDF: 37.2/25

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

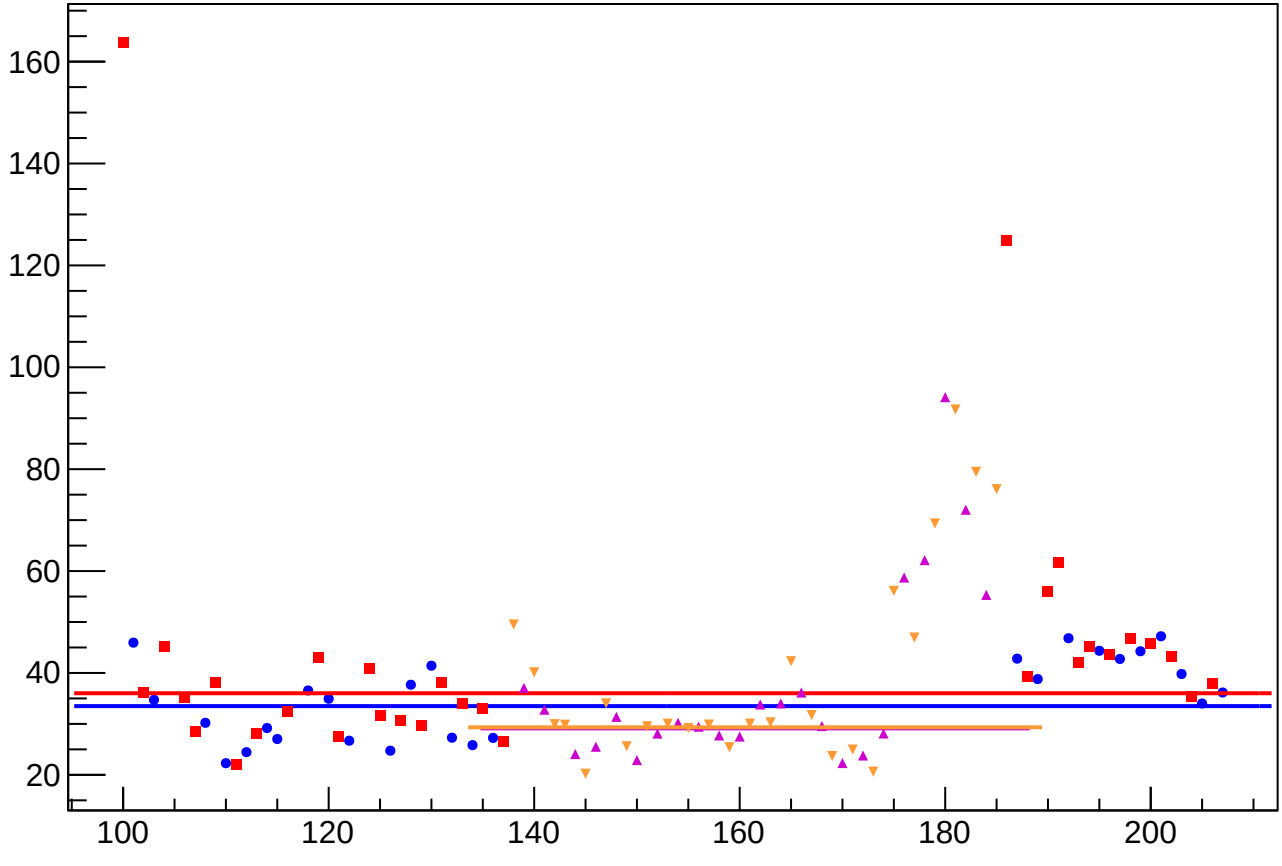
Right: 0.000+/-0.006 χ^2/NDF: 71.9/56

In: -0.003+/-0.006 χ^2/NDF:58.9/48

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.005+/-0.004 χ^2/NDF: 121.6/104

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.492+/-0.006 χ^2/NDF: 1500526.1/25

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

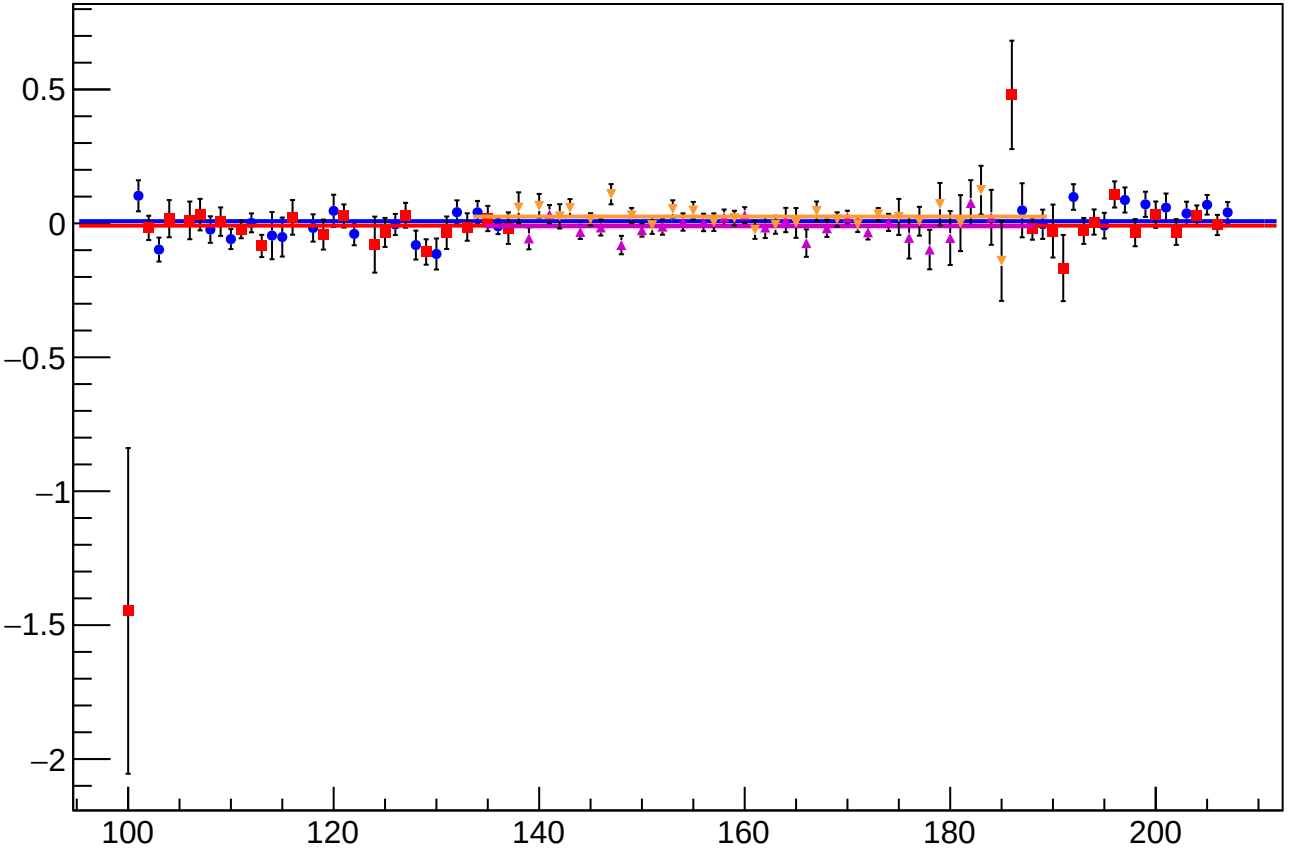
Right: 34.715+/-0.005 χ^2/NDF: 3358382.8/56

In: 30.851+/-0.004 χ^2/NDF:4622848.5/48

Out: 31.826+/-0.004 χ^2/NDF:6303094.7/55

All: 31.337+/-0.003 χ^2/NDF: 10955433.7/104

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.009 χ^2/NDF: 37.2/25

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

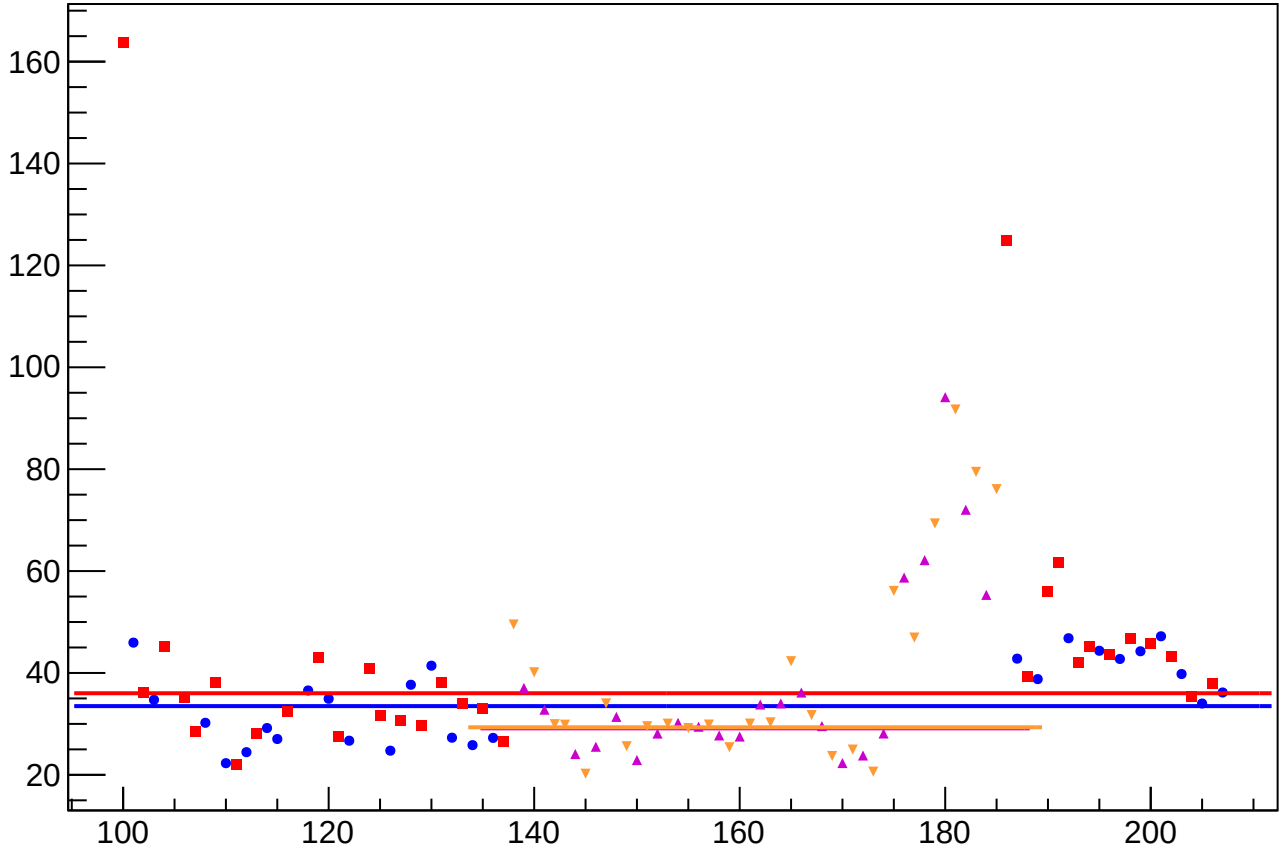
Right: 0.000+/-0.006 χ^2/NDF: 71.9/56

In: -0.003+/-0.006 χ^2/NDF:58.9/48

Out: 0.013+/-0.006 χ^2/NDF:58.8/55

All: 0.005+/-0.004 χ^2/NDF: 121.6/104

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.492+/-0.006 χ^2/NDF: 1500526.1/25

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

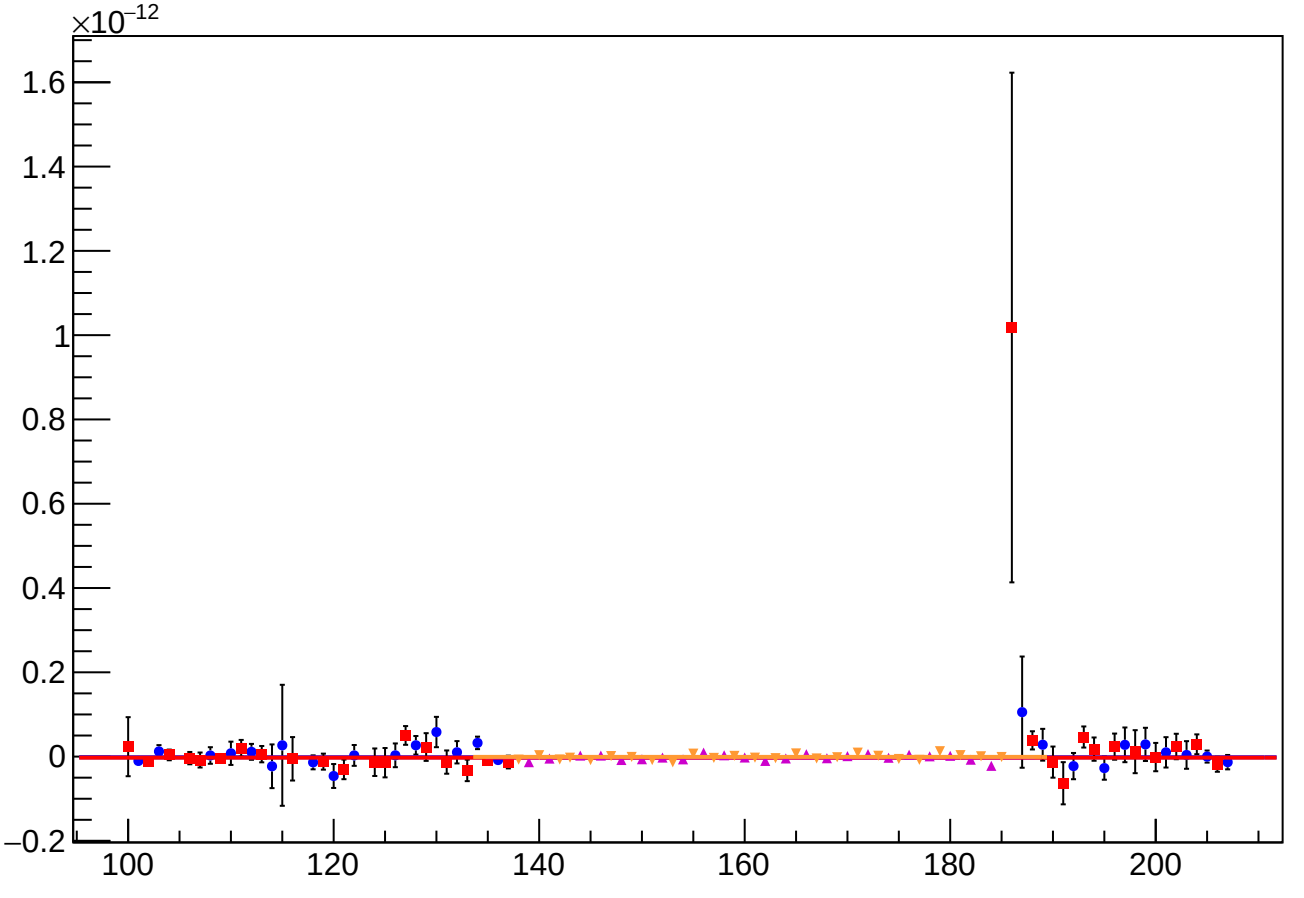
Right: 34.715+/-0.005 χ^2/NDF: 3358382.8/56

In: 30.851+/-0.004 χ^2/NDF:4622848.5/48

Out: 31.826+/-0.004 χ^2/NDF:6303094.7/55

All: 31.337+/-0.003 χ^2/NDF: 10955433.7/104

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/25

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

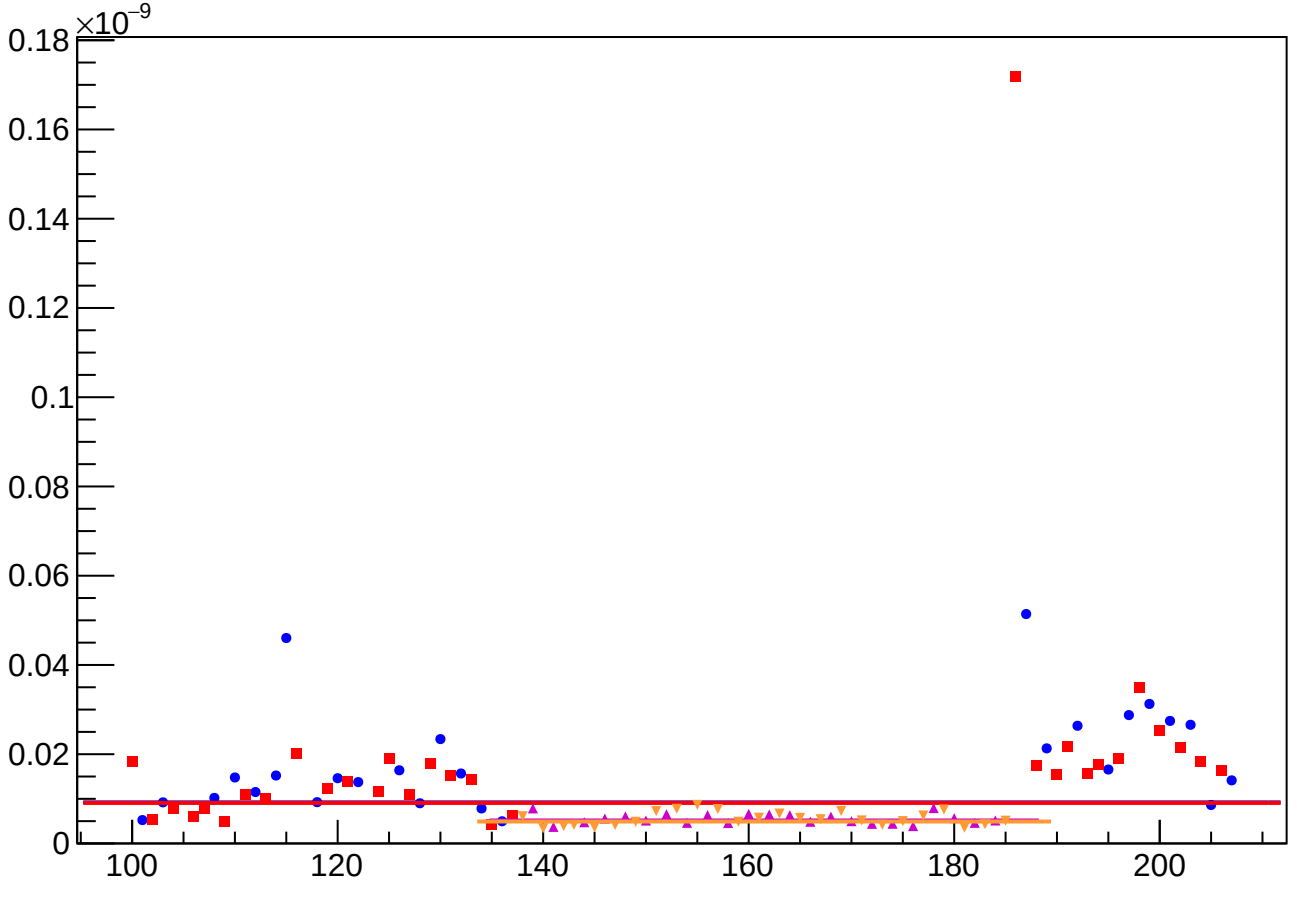
Right: -0.000+/-0.000 χ^2/NDF: 51.9/56

In: -0.000+/-0.000 χ^2/NDF:37.8/48

Out: -0.000+/-0.000 χ^2/NDF:45.9/55

All: -0.000+/-0.000 χ^2/NDF: 83.8/104

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5852529.9/25

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

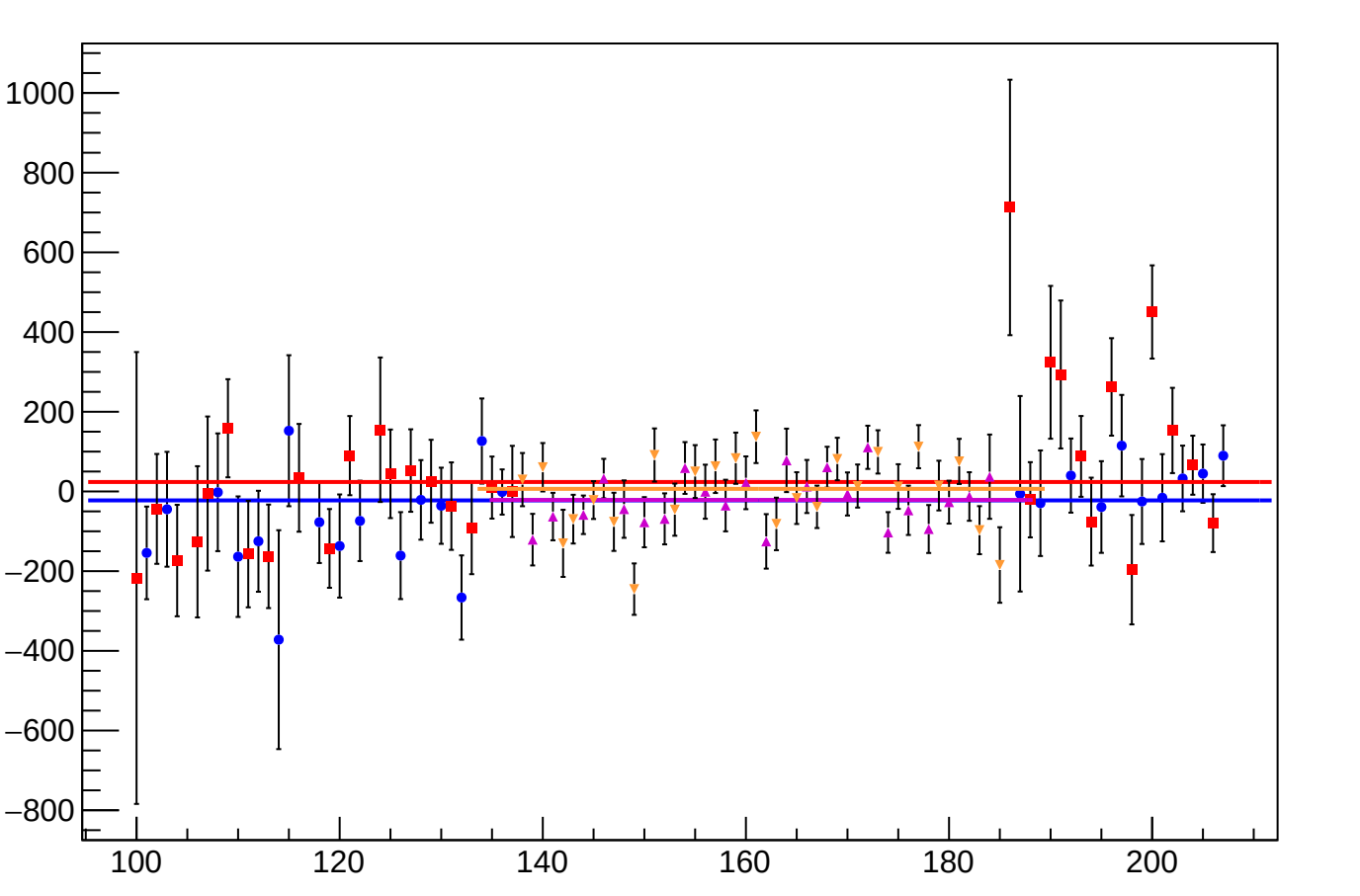
Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

Right: 0.000+/-0.000 χ^2/NDF: 11479022.8/56

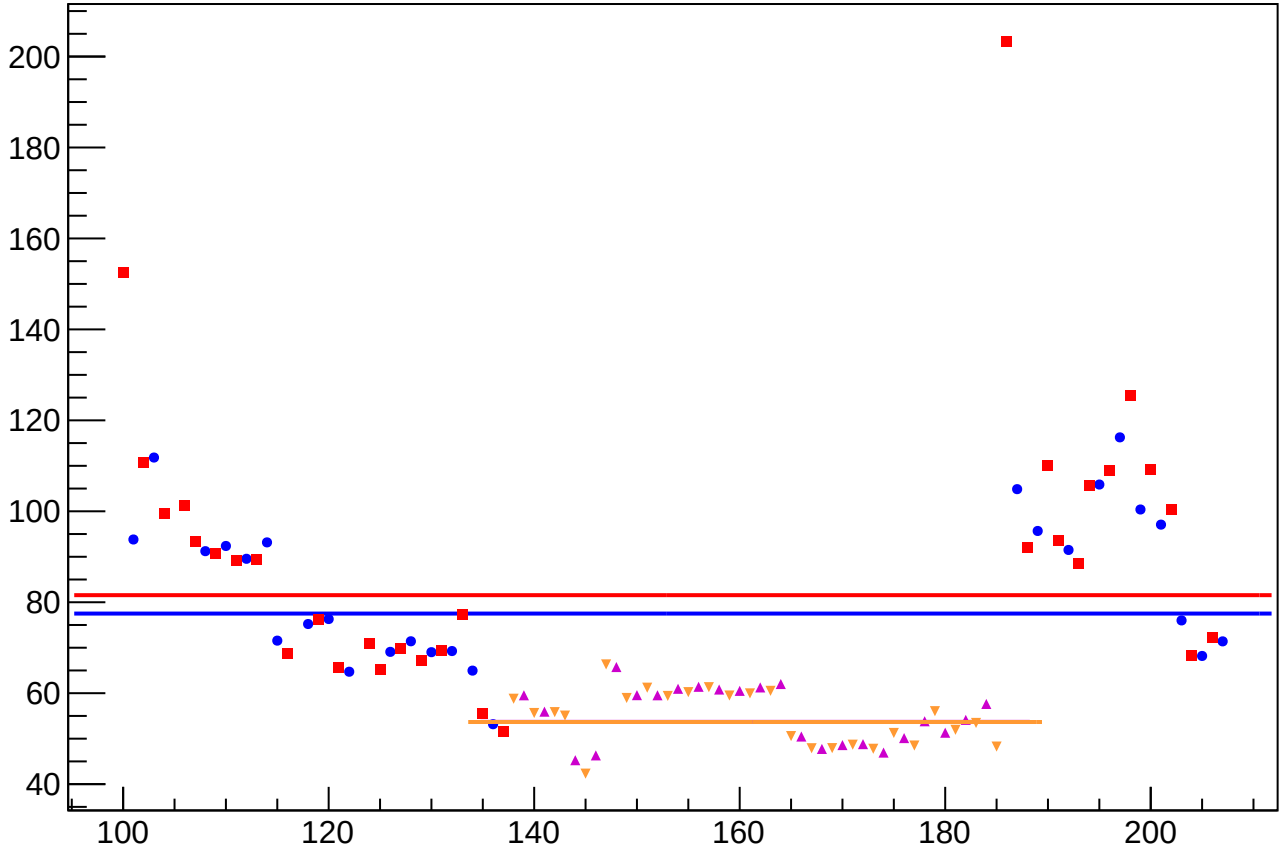
In: 0.000+/-0.000 χ^2/NDF:9136760.2/48

Out: 0.000+/-0.000 χ^2/NDF:10156737.3/55

All: 0.000+/-0.000 χ^2/NDF: 19321219.0/104


reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -22.438+/-20.610 χ²/NDF: 20.8/25
Left Out: 6.523+/-12.287 χ²/NDF:50.6/24
Right Out: 23.736+/-20.820 χ²/NDF: 47.6/30
Left In: -21.336+/-12.649 χ²/NDF:25.4/22
Left: -7.002+/-8.814 χ²/NDF: 78.5/47
Right: 0.416+/-14.647 χ²/NDF: 70.8/56
In: -21.637+/-10.781 χ²/NDF:46.2/48
Out: 10.970+/-10.582 χ²/NDF:98.7/55
All: -5.030+/-7.552 χ²/NDF: 149.5/104

reg_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 77.510+/-0.015 χ^2/NDF: 1308911.3/25

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

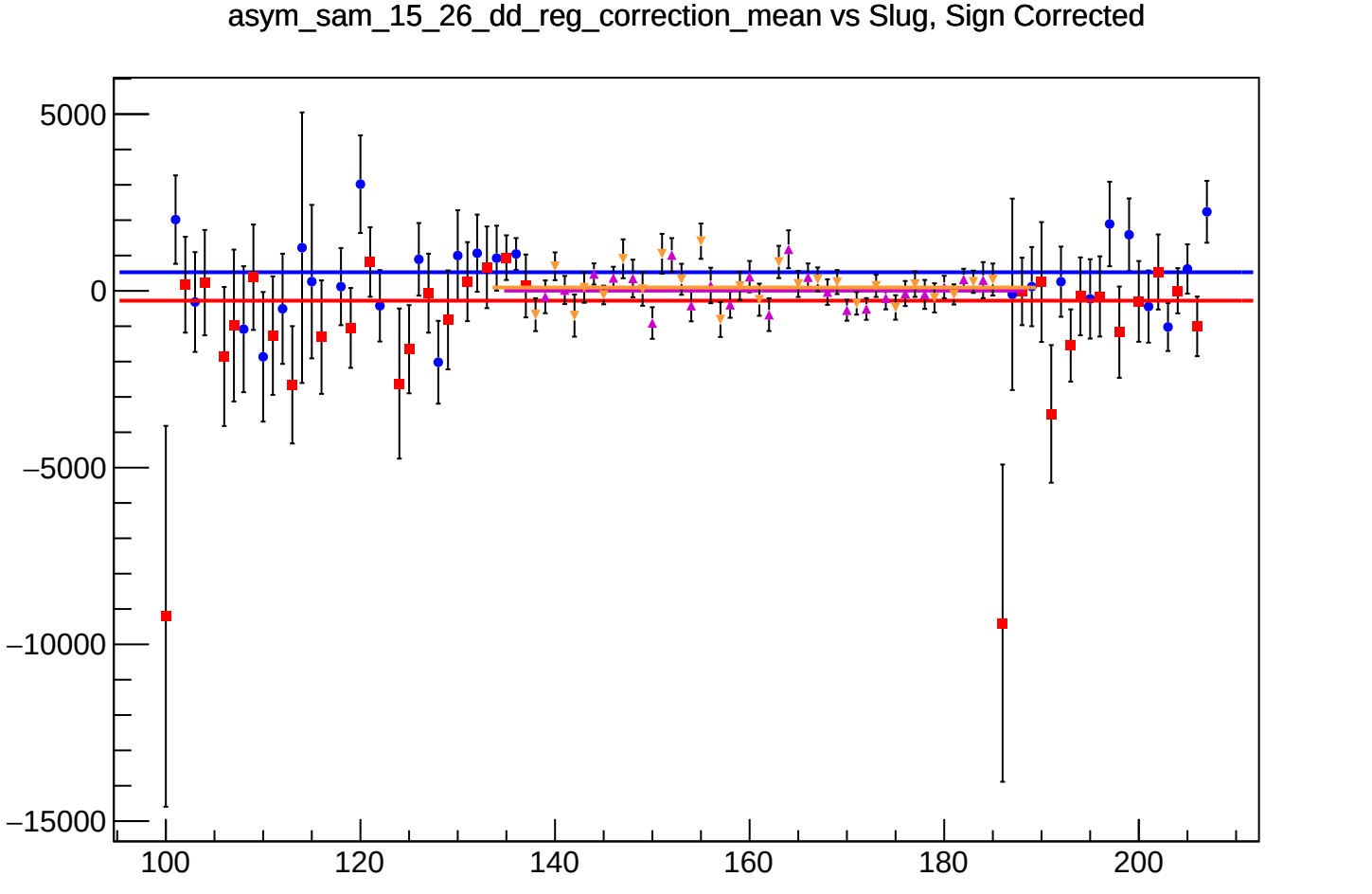
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.513+/-0.010 χ^2/NDF: 3181752.0/56

In: 60.211+/-0.008 χ^2/NDF:3720011.6/48

Out: 60.871+/-0.007 χ^2/NDF:4968952.5/55

All: 60.547+/-0.005 χ^2/NDF: 8692779.3/104



Right In: 526.877+/-200.352 χ^2/NDF: 28.8/25

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

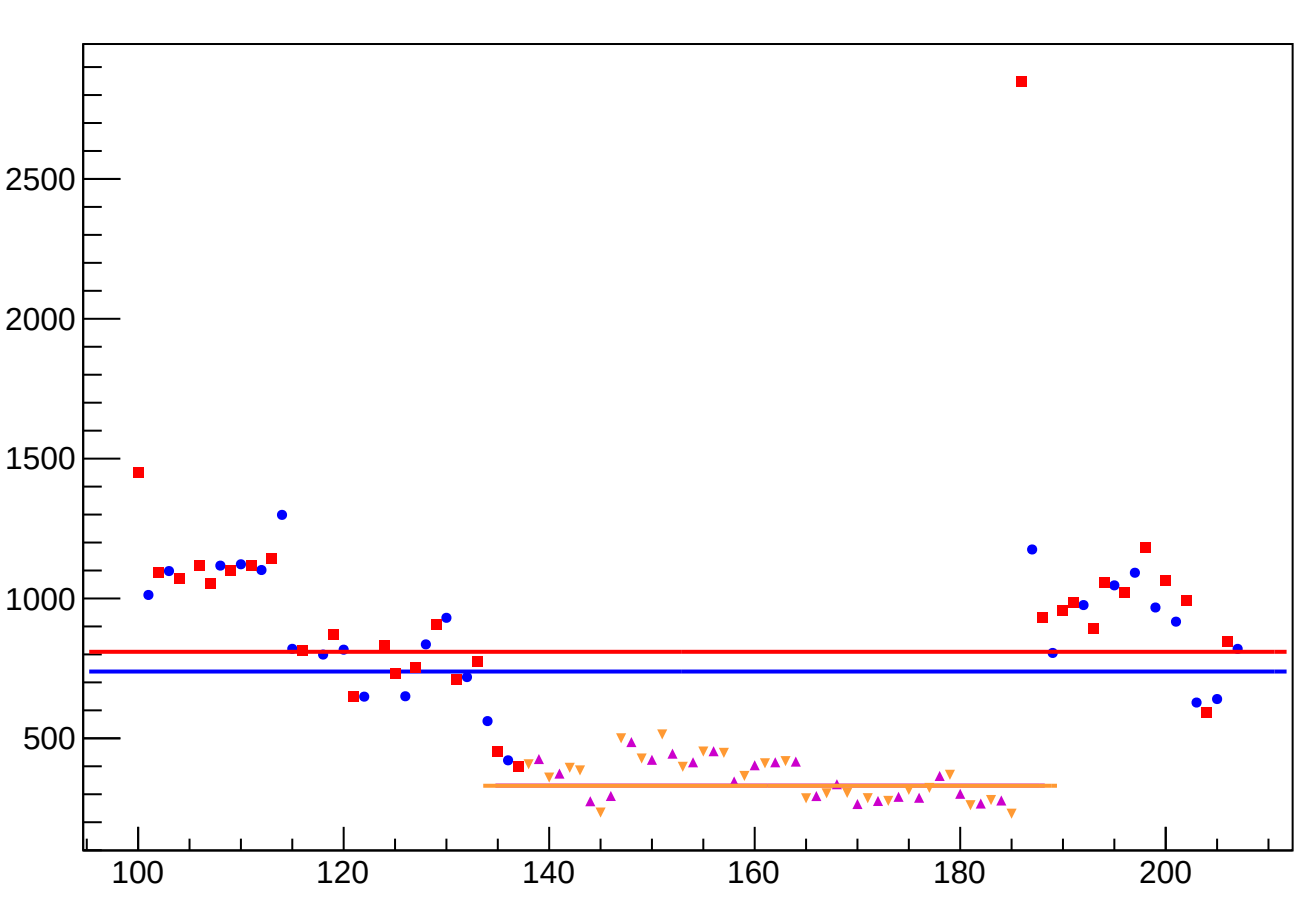
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 142.594+/-144.770 χ^2/NDF: 63.0/56

In: 77.906+/-73.594 χ^2/NDF:66.9/48

Out: 50.932+/-72.381 χ^2/NDF:62.4/55

All: 64.195+/-51.604 χ^2/NDF: 129.4/104



Right In: 738.783+/-0.142 χ^2/NDF: 2501786.8/25

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

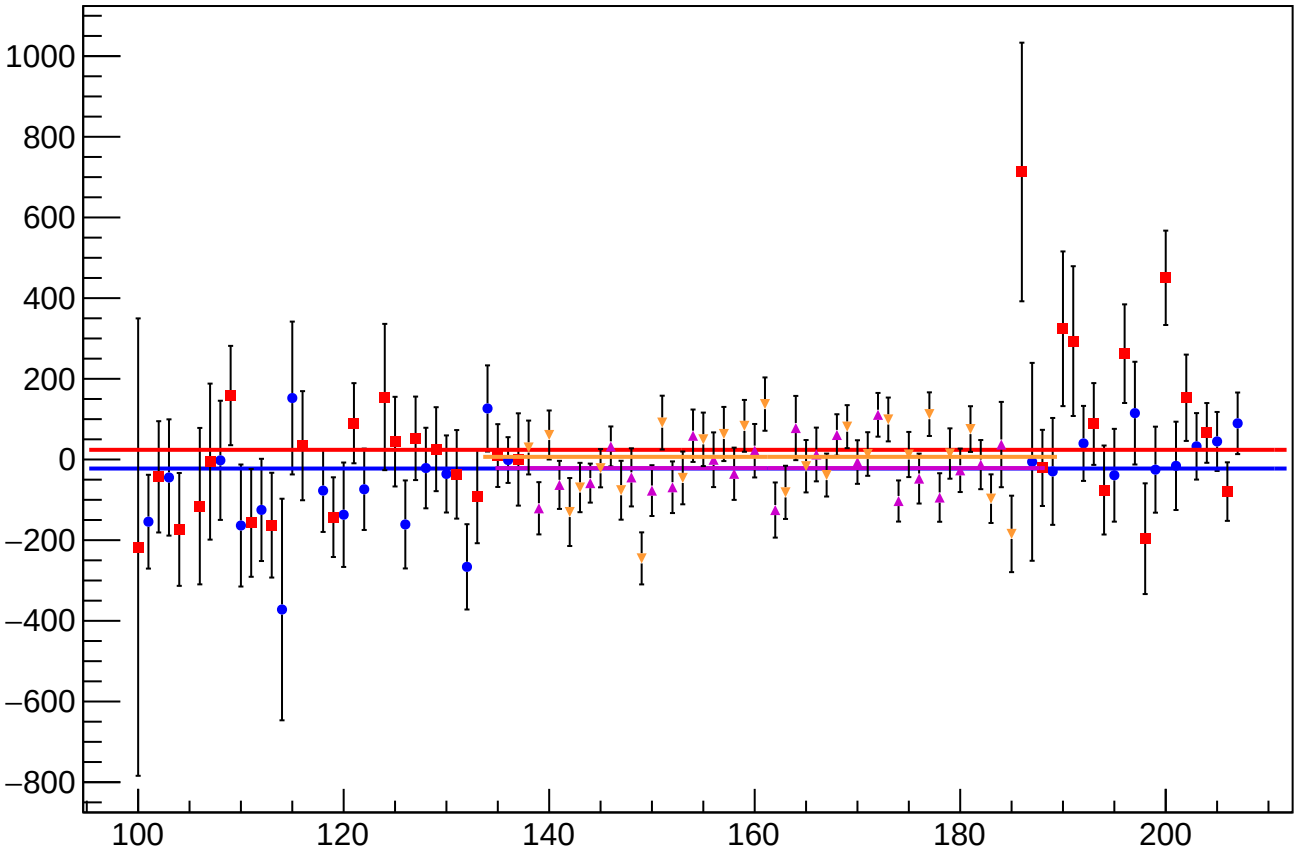
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 772.492+/-0.102 χ^2/NDF: 5487830.1/56

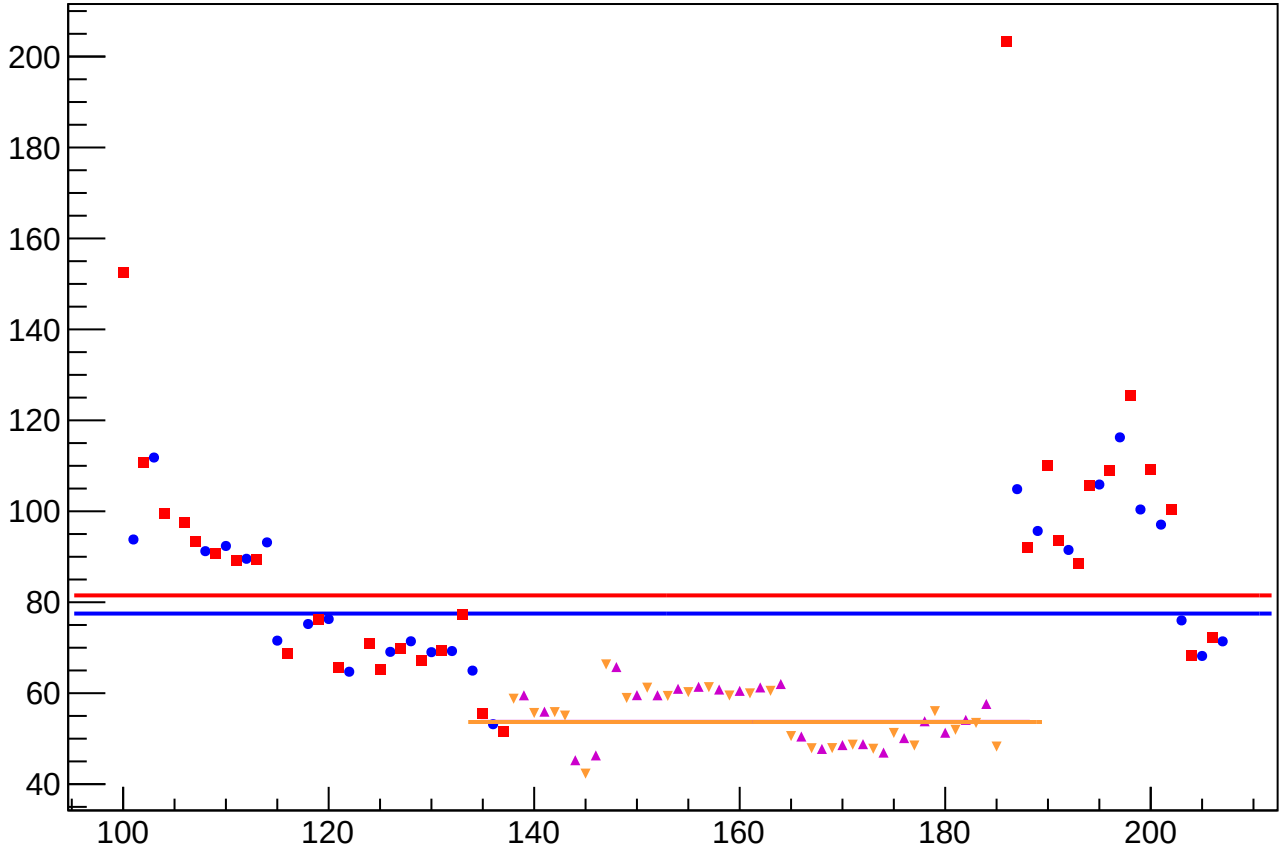
In: 386.072+/-0.052 χ^2/NDF:10992611.5/48

Out: 387.614+/-0.051 χ^2/NDF:13830055.1/55

All: 386.856+/-0.036 χ^2/NDF: 24823113.3/10


cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -22.430+/-20.610 χ²/NDF: 20.8/25
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 23.956+/-20.825 χ²/NDF: 47.4/30
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: 0.523+/-14.649 χ²/NDF: 70.7/56
In: -21.634+/-10.781 χ²/NDF:46.2/48
Out: 11.027+/-10.583 χ²/NDF:98.5/55
All: -5.001+/-7.552 χ²/NDF: 149.4/104

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 77.510+/-0.015 χ^2/NDF: 1308913.6/25

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

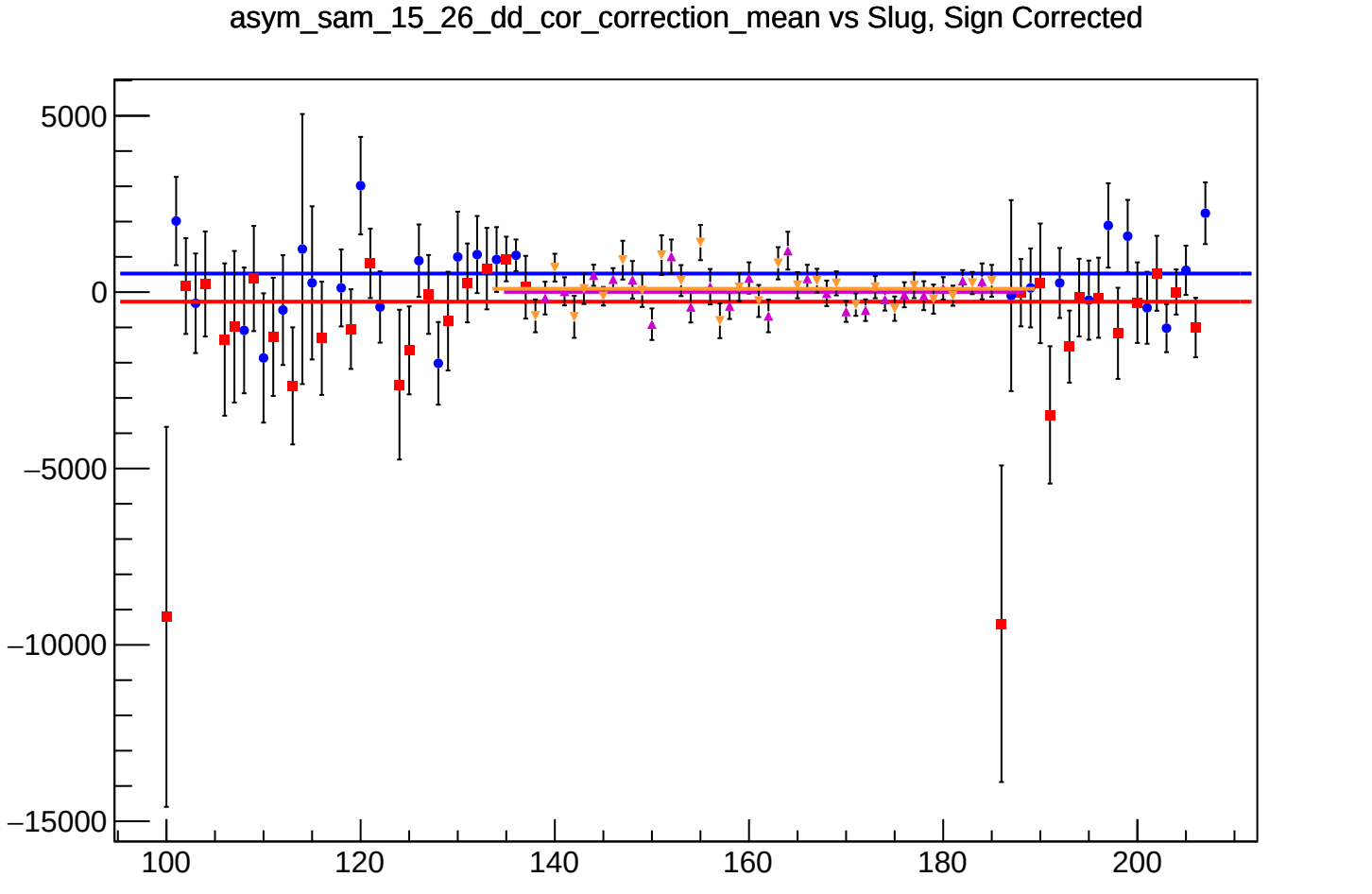
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.487+/-0.010 χ^2/NDF: 3173120.0/56

In: 60.211+/-0.008 χ^2/NDF:3720014.2/48

Out: 60.854+/-0.007 χ^2/NDF:4950333.4/55

All: 60.538+/-0.005 χ^2/NDF: 8673976.5/104



Right In: 526.873+/-200.352 χ^2/NDF: 28.8/25

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

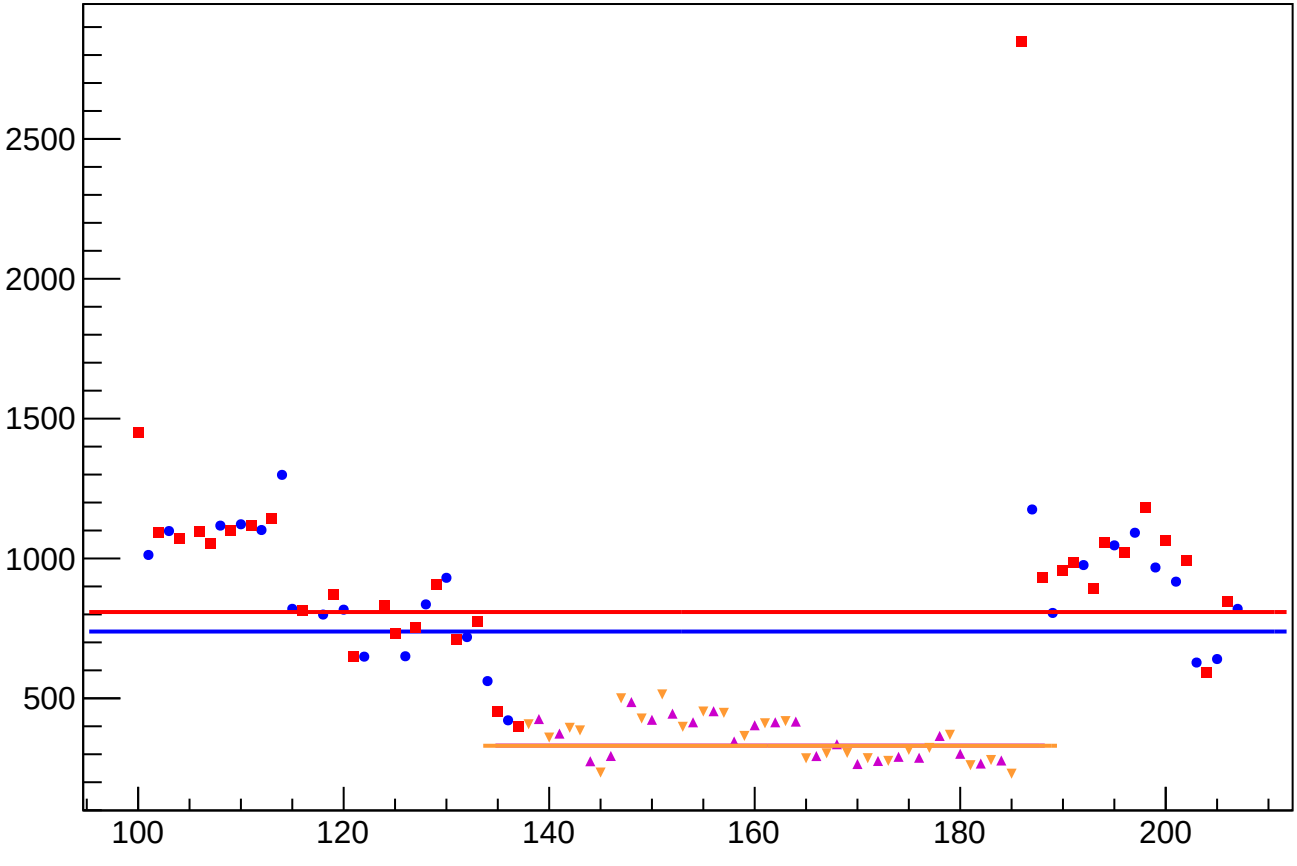
Right: 146.731+/-144.839 χ^2/NDF: 62.4/56

In: 77.902+/-73.594 χ^2/NDF:66.9/48

Out: 51.947+/-72.389 χ^2/NDF:61.9/55

All: 64.710+/-51.608 χ^2/NDF: 128.9/104

asym_sam_15_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 738.783+/-0.142 χ^2/NDF: 2501810.2/25

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

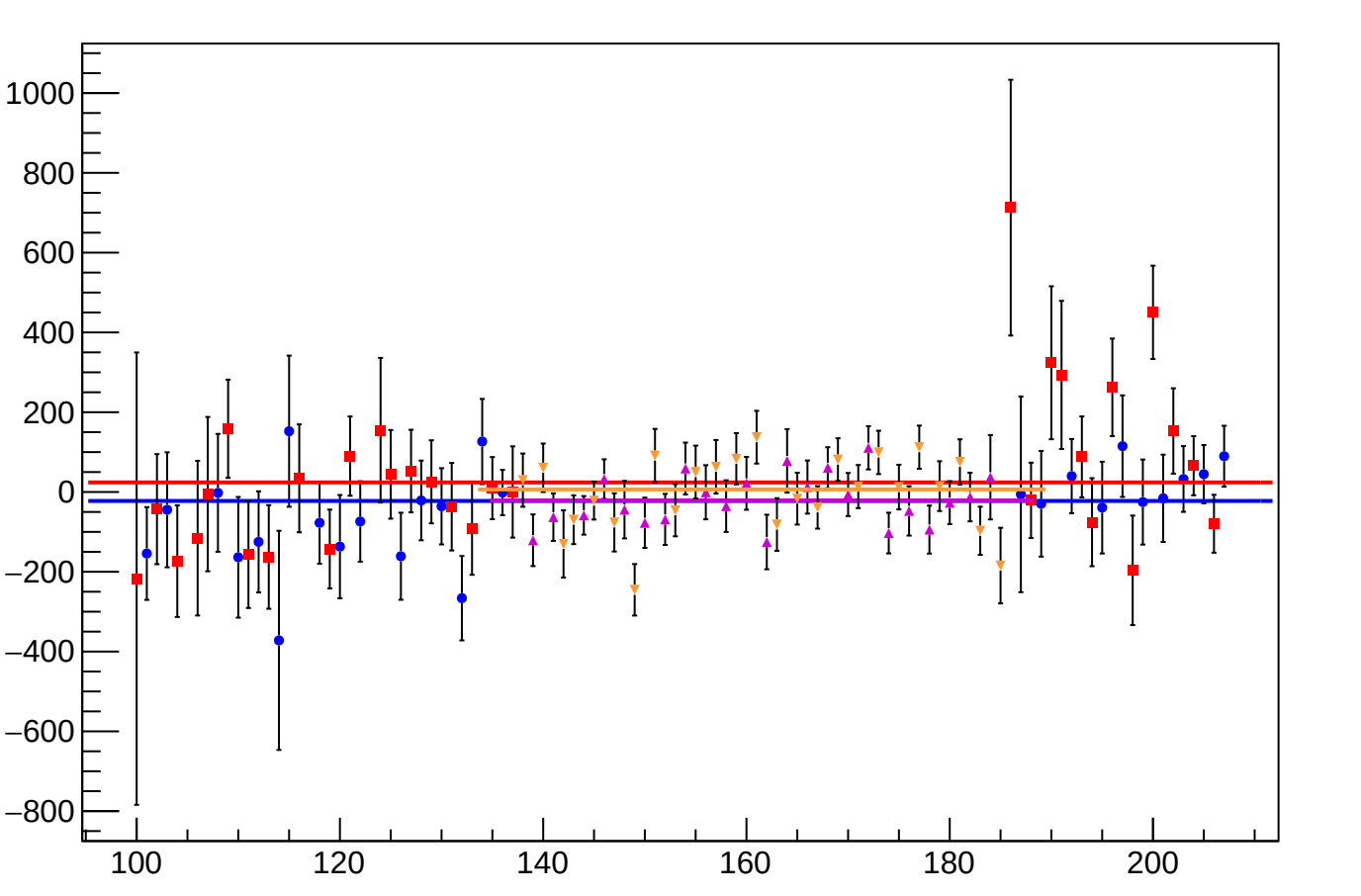
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

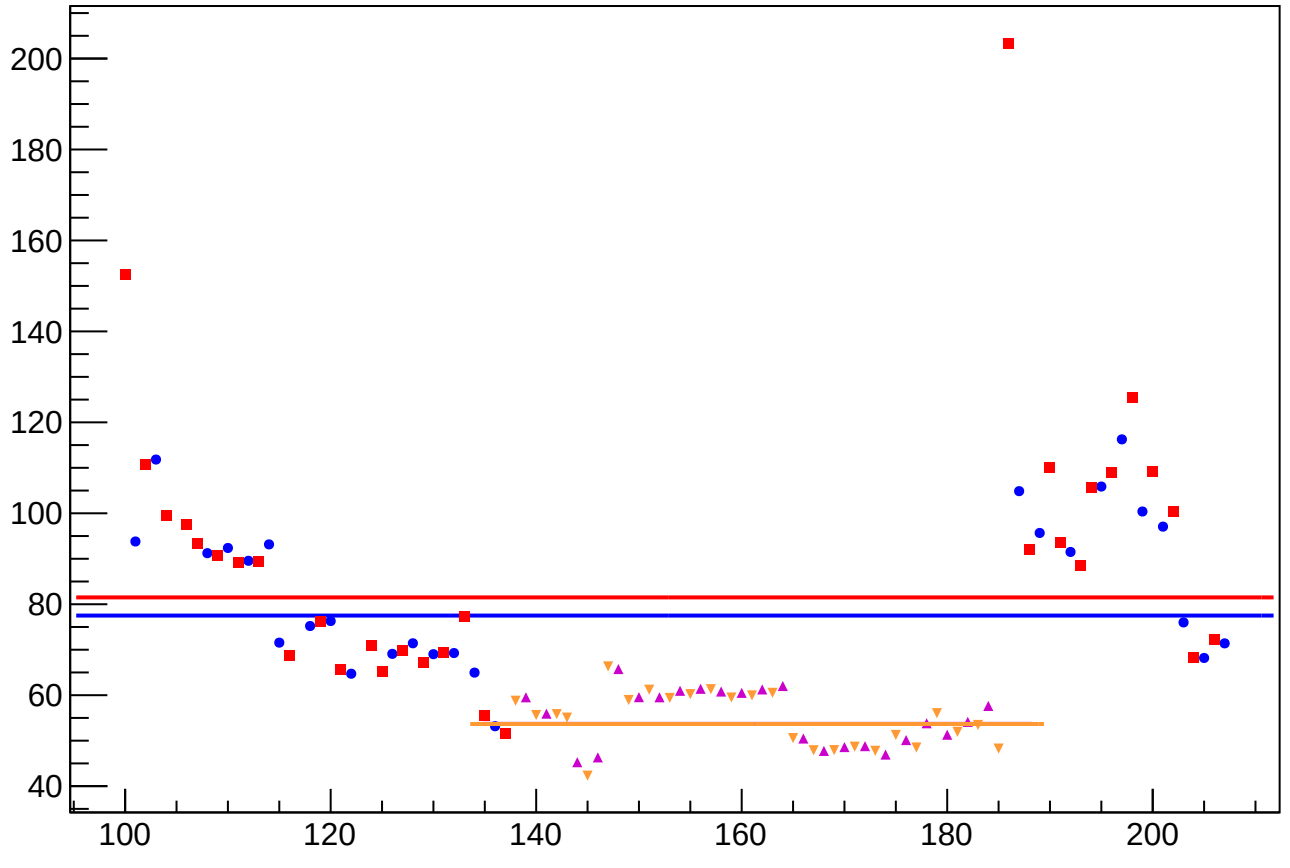
Right: 772.071+/-0.102 χ^2/NDF: 5471041.8/56

In: 386.071+/-0.052 χ^2/NDF:10992645.6/48

Out: 387.418+/-0.051 χ^2/NDF:13769014.0/55

All: 386.756+/-0.036 χ^2/NDF: 24762000.1/10


eigen_cor_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
1000
800
600
400
200
0
−200
−400
−600
−800
100
120
140
160
180
200
Right In: -22.430+/-20.610 χ²/NDF: 20.8/25
Left Out: 6.526+/-12.287 χ²/NDF:50.6/24
Right Out: 23.956+/-20.825 χ²/NDF: 47.4/30
Left In: -21.335+/-12.649 χ²/NDF:25.4/22
Left: -7.000+/-8.814 χ²/NDF: 78.5/47
Right: 0.523+/-14.649 χ²/NDF: 70.7/56
In: -21.634+/-10.781 χ²/NDF:46.2/48
Out: 11.027+/-10.583 χ²/NDF:98.5/55
All: -5.001+/-7.552 χ²/NDF: 149.4/104



Right In: 77.510+/-0.015 χ^2/NDF: 1308913.6/25

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

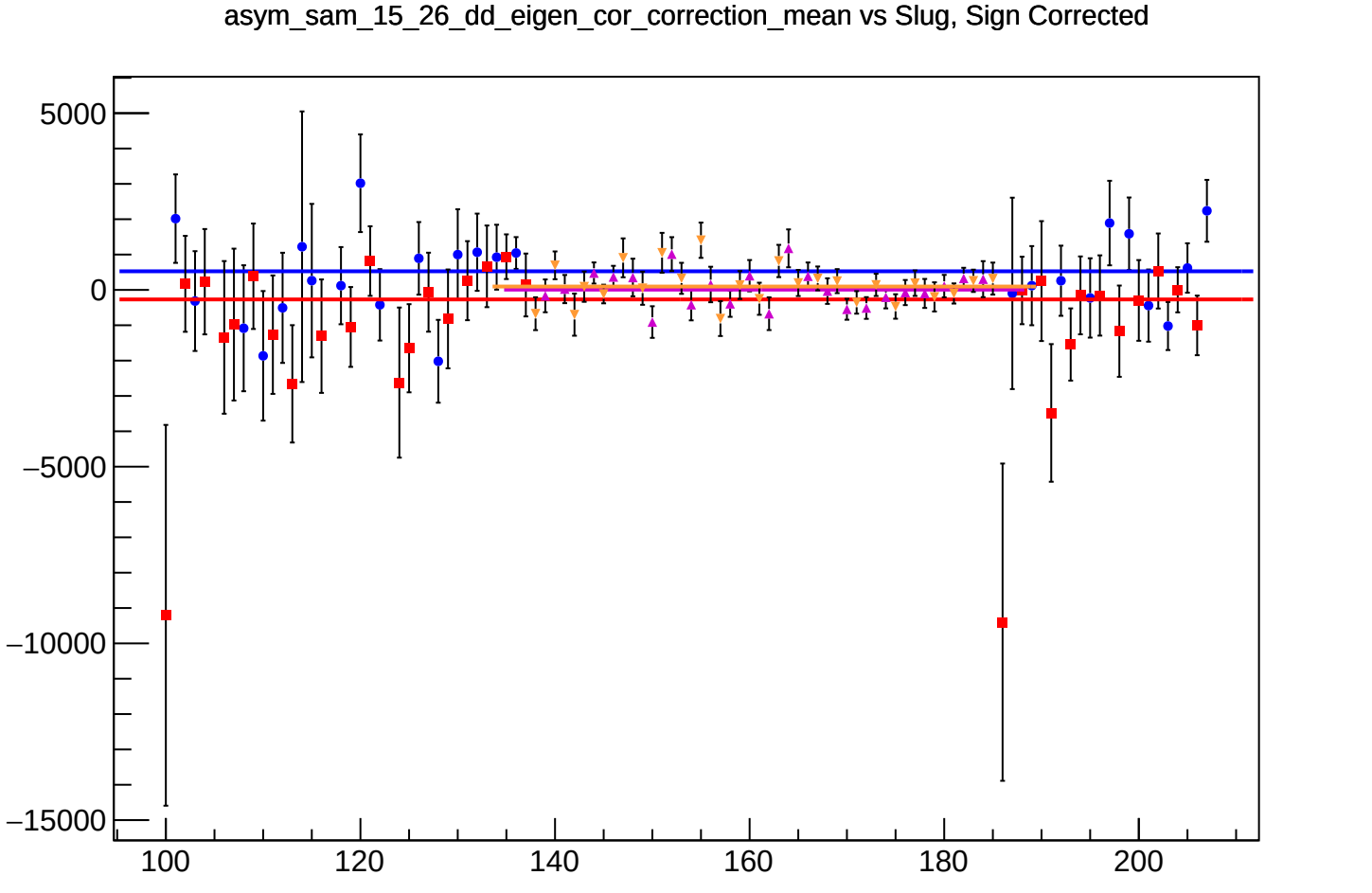
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 79.487+/-0.010 χ^2/NDF: 3173120.0/56

In: 60.211+/-0.008 χ^2/NDF:3720014.2/48

Out: 60.854+/-0.007 χ^2/NDF:4950333.4/55

All: 60.538+/-0.005 χ^2/NDF: 8673976.5/104



Right In: 526.873+/-200.352 χ^2/NDF: 28.8/25

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

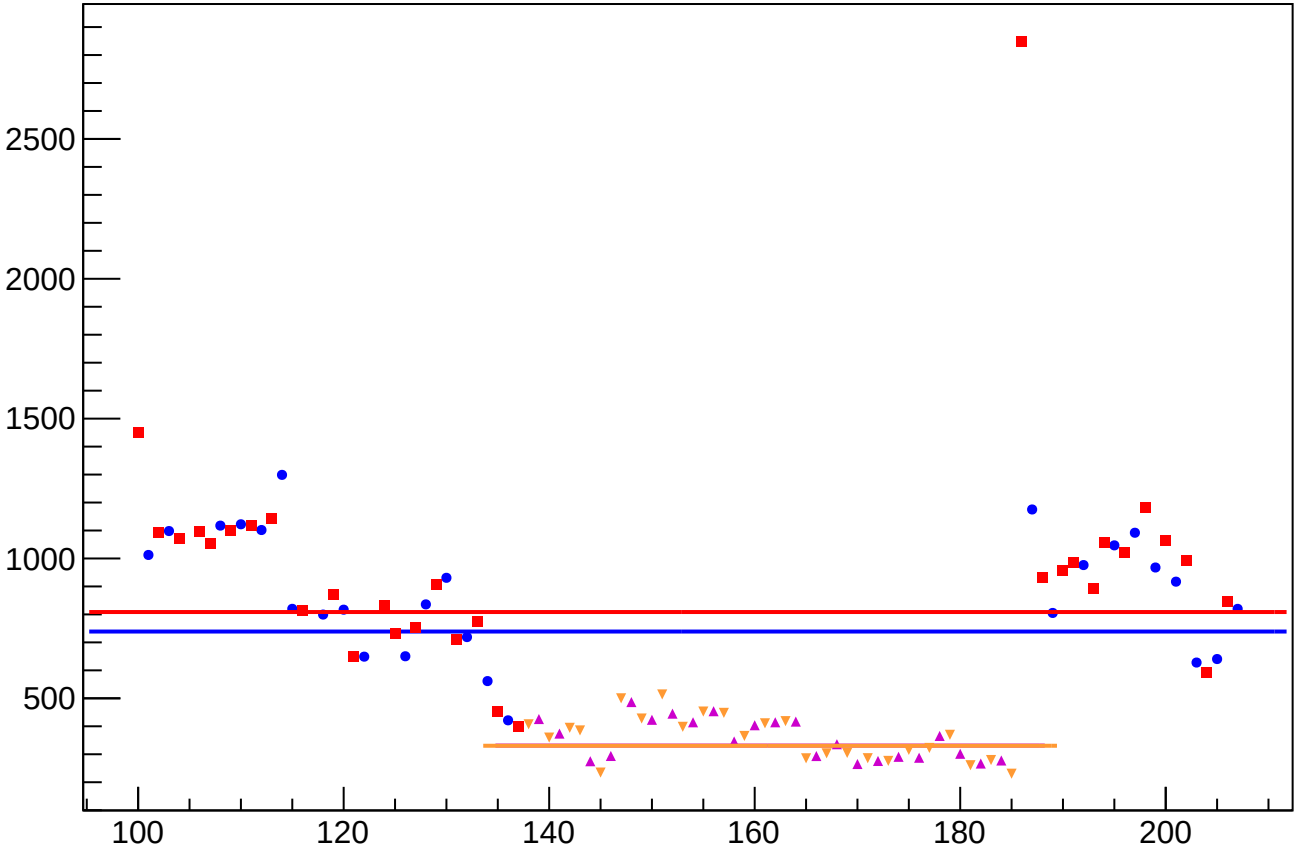
Right: 146.731+/-144.839 χ^2/NDF: 62.4/56

In: 77.902+/-73.594 χ^2/NDF:66.9/48

Out: 51.947+/-72.389 χ^2/NDF:61.9/55

All: 64.710+/-51.608 χ^2/NDF: 128.9/104

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 738.783+/-0.142 χ^2/NDF: 2501810.2/25

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

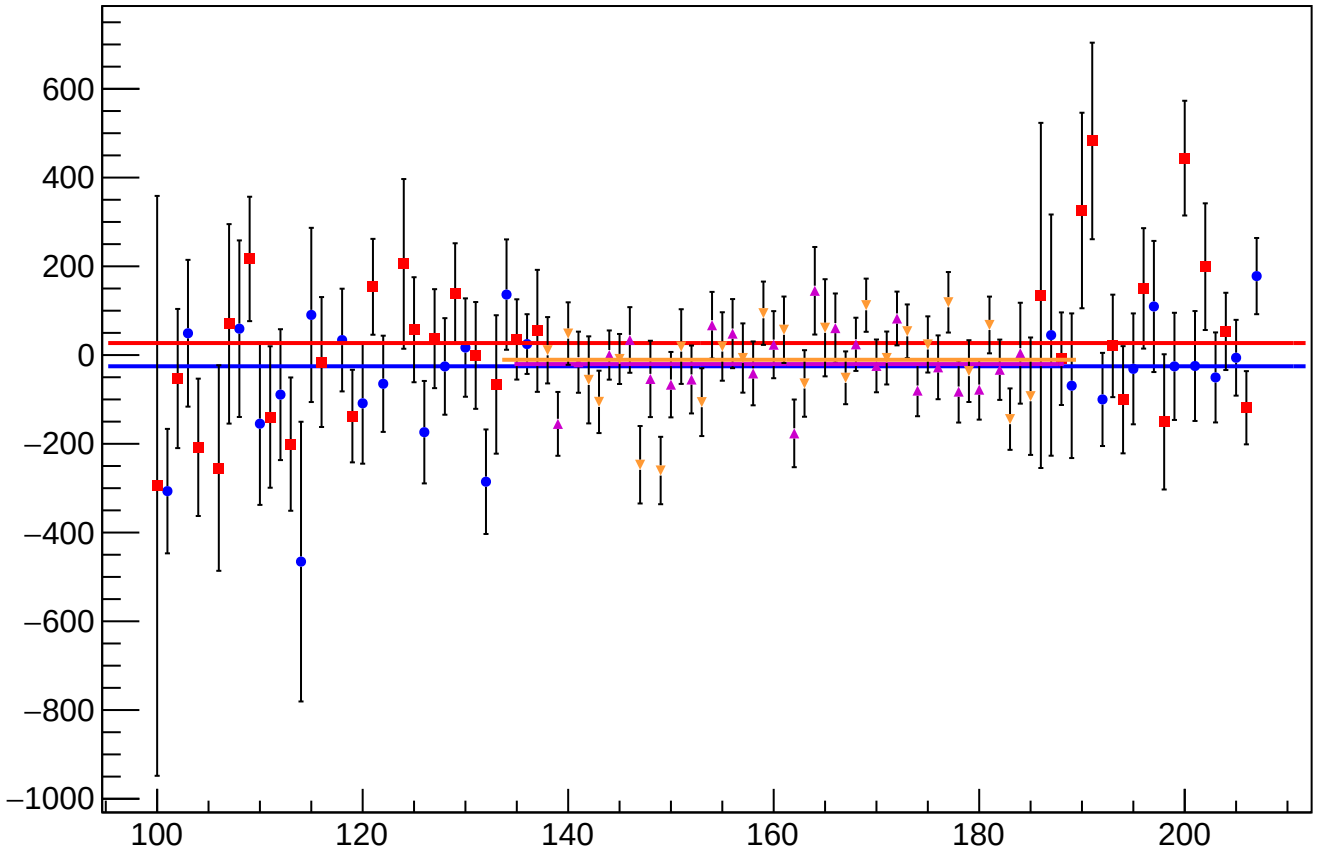
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 772.071+/-0.102 χ^2/NDF: 5471041.8/56

In: 386.071+/-0.052 χ^2/NDF:10992645.6/48

Out: 387.418+/-0.051 χ^2/NDF:13769014.0/55

All: 386.756+/-0.036 χ^2/NDF: 24762000.1/10



Right In: -25.272+/-23.624 χ^2/NDF: 24.3/25

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

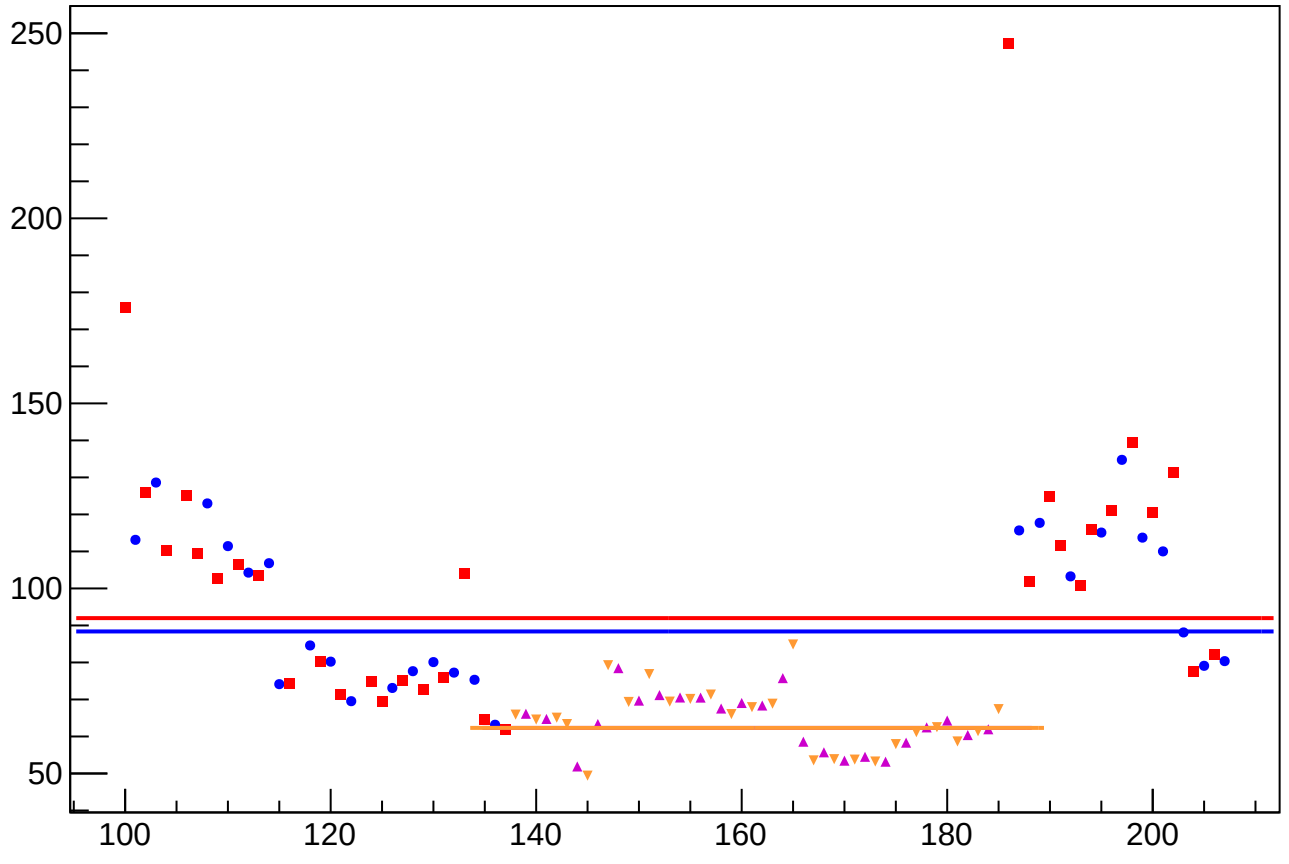
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 0.914+/-16.702 χ^2/NDF: 67.2/56

In: -21.699+/-12.512 χ^2/NDF:46.0/48

Out: -0.489+/-12.239 χ^2/NDF:84.6/55

All: -10.860+/-8.749 χ^2/NDF: 132.0/104



Right In: 88.378+/-0.017 χ^2/NDF: 1372962.4/25

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

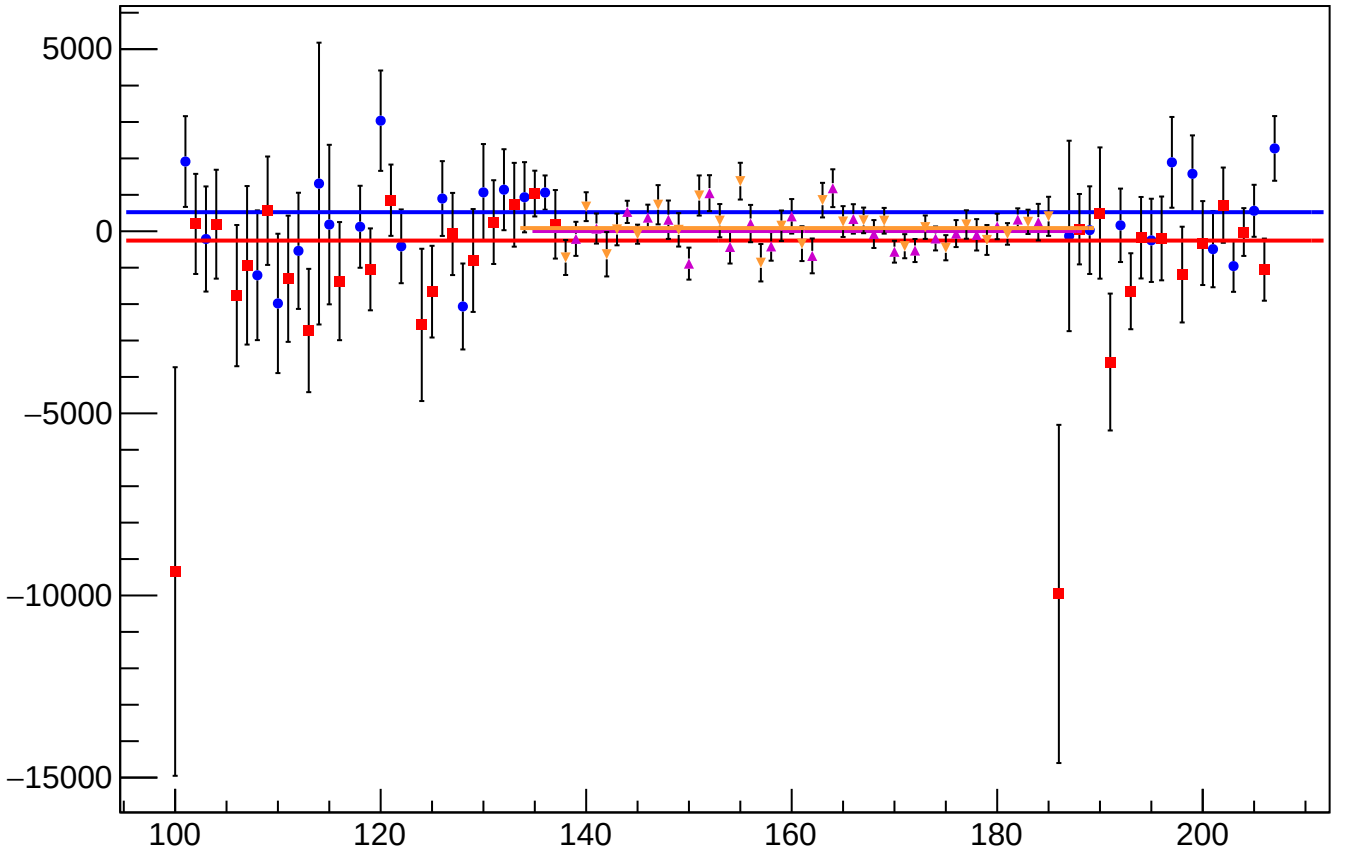
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 90.180+/-0.012 χ^2/NDF: 3396806.6/56

In: 69.622+/-0.009 χ^2/NDF:3609684.5/48

Out: 70.283+/-0.009 χ^2/NDF:4944890.8/55

All: 69.960+/-0.006 χ^2/NDF: 8557430.2/104



Right In: 523.840+/-205.871 χ^2/NDF: 28.1/25

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

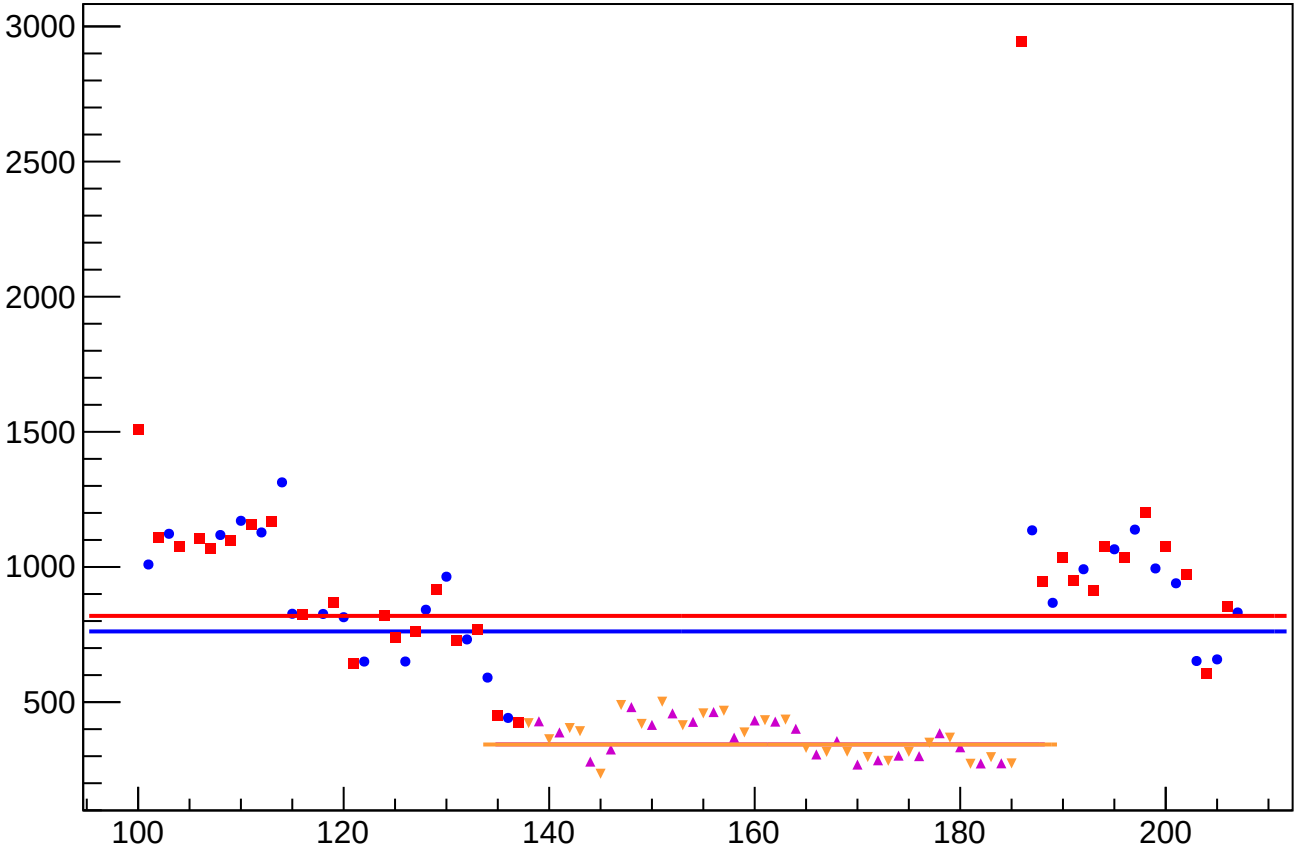
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 144.970+/-147.607 χ^2/NDF: 63.7/56

In: 77.500+/-76.268 χ^2/NDF:66.0/48

Out: 44.315+/-74.703 χ^2/NDF:62.5/55

All: 60.564+/-53.368 χ^2/NDF: 128.6/104



Right In: 761.574+/-0.146 χ^2/NDF: 2371476.2/25

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

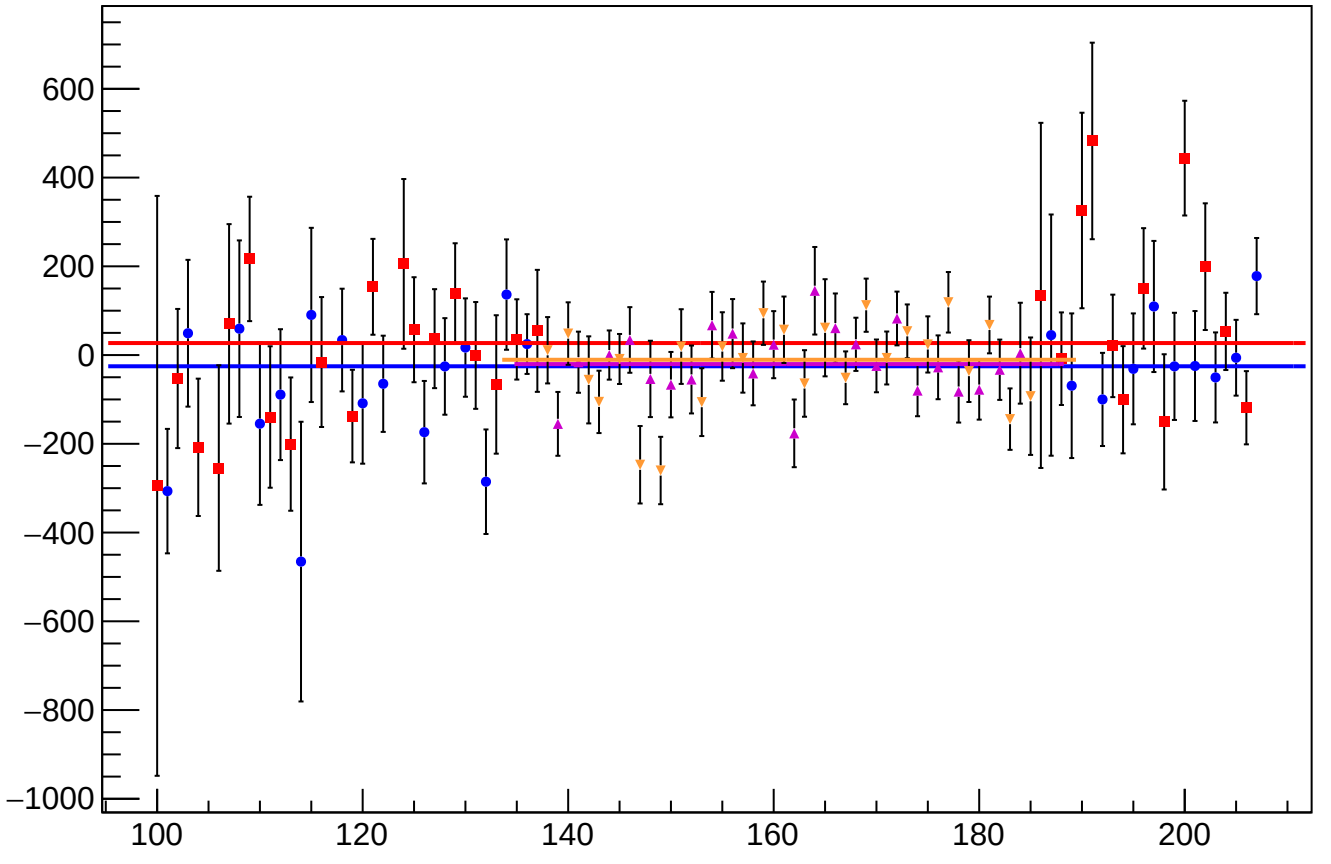
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

Right: 789.501+/-0.104 χ^2/NDF: 5291285.1/56

In: 401.066+/-0.054 χ^2/NDF:10738450.6/48

Out: 402.446+/-0.053 χ^2/NDF:13281410.9/55

All: 401.770+/-0.038 χ^2/NDF: 24020195.9/10



Right In: -25.274+/-23.624 χ^2/NDF: 24.3/25

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

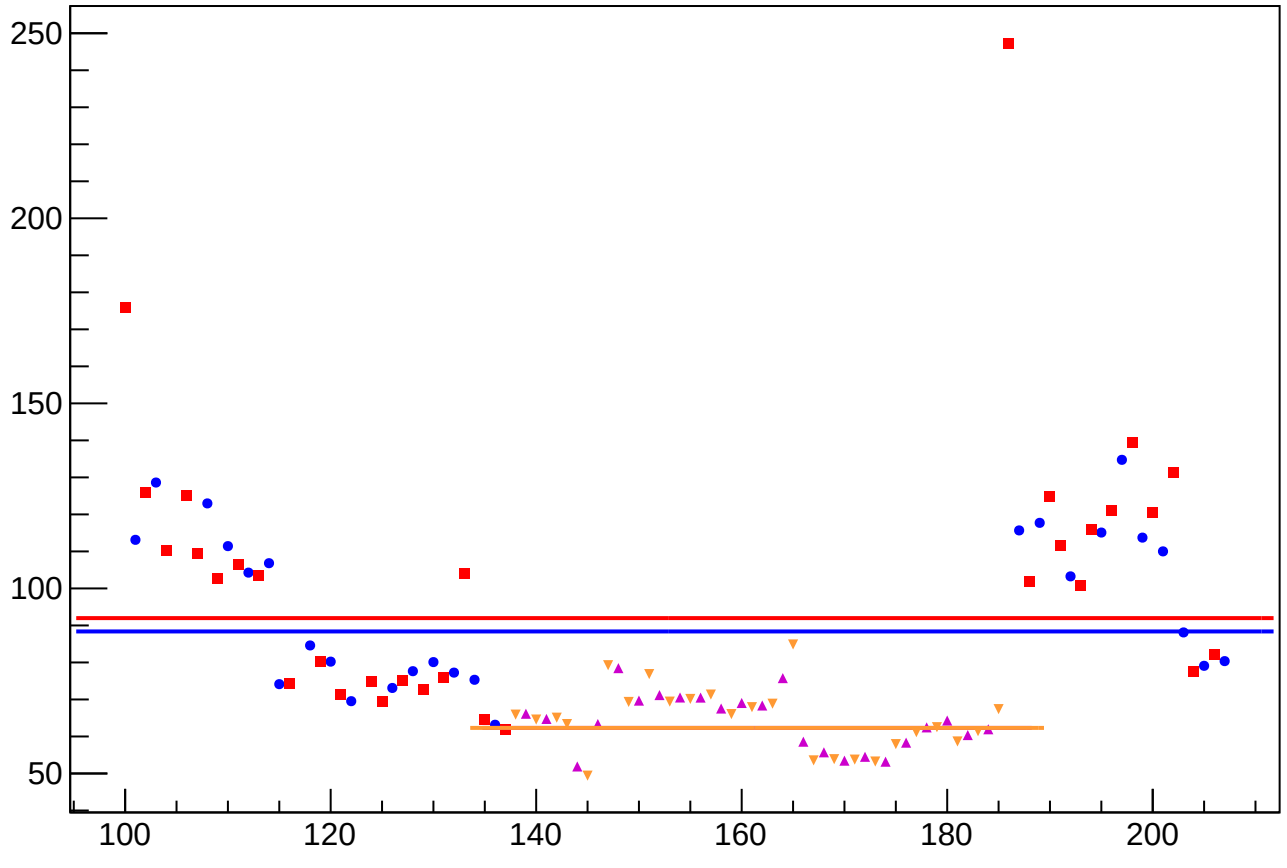
Left: -15.313+/-10.271 χ^2/NDF: 64.1/47

Right: 0.913+/-16.702 χ^2/NDF: 67.2/56

In: -21.699+/-12.512 χ^2/NDF:46.0/48

Out: -0.489+/-12.239 χ^2/NDF:84.6/55

All: -10.860+/-8.749 χ^2/NDF: 132.0/104



Right In: 88.378+/-0.017 χ^2/NDF: 1372980.2/25

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

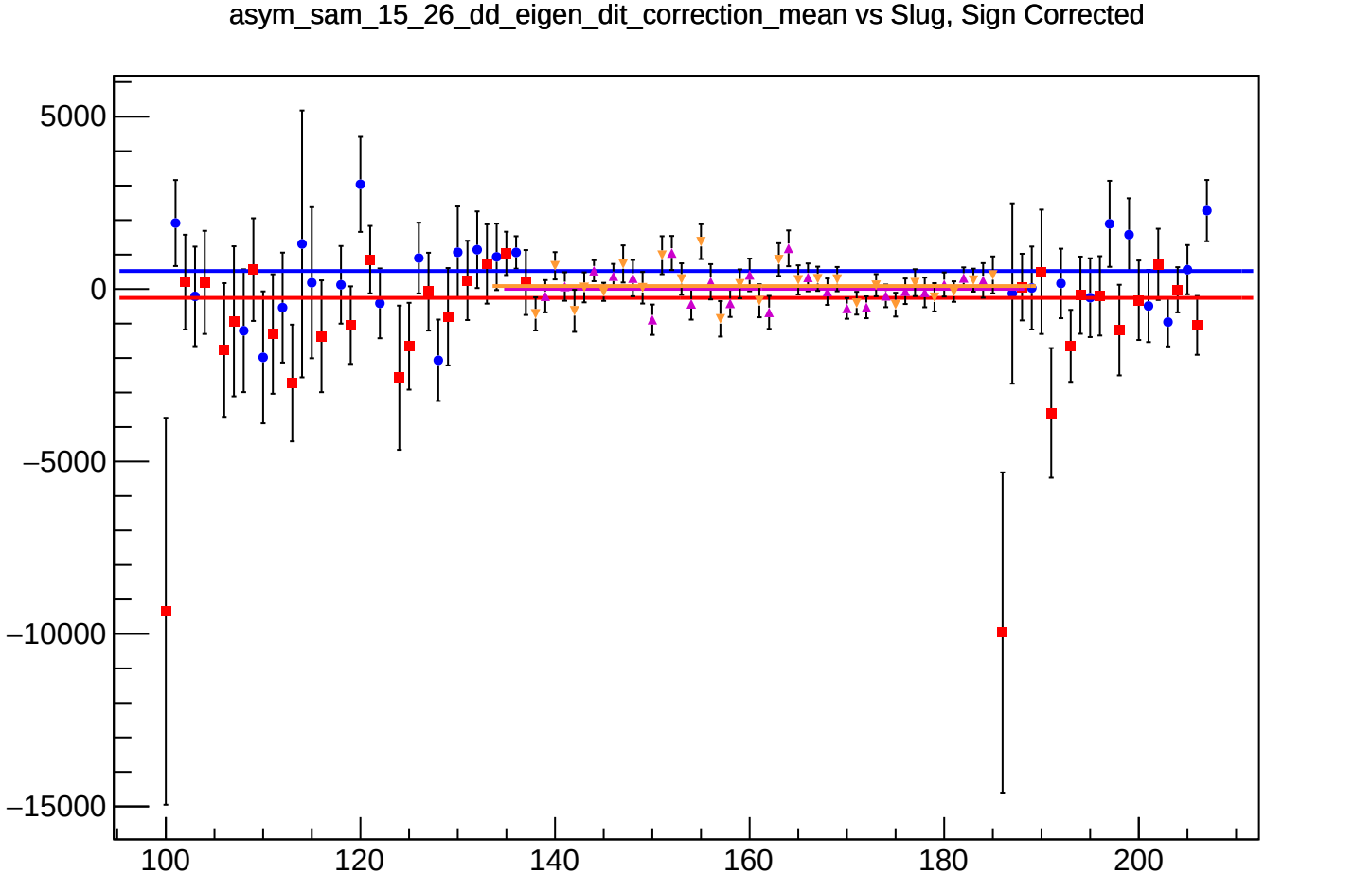
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 90.179+/-0.012 χ^2/NDF: 3396824.4/56

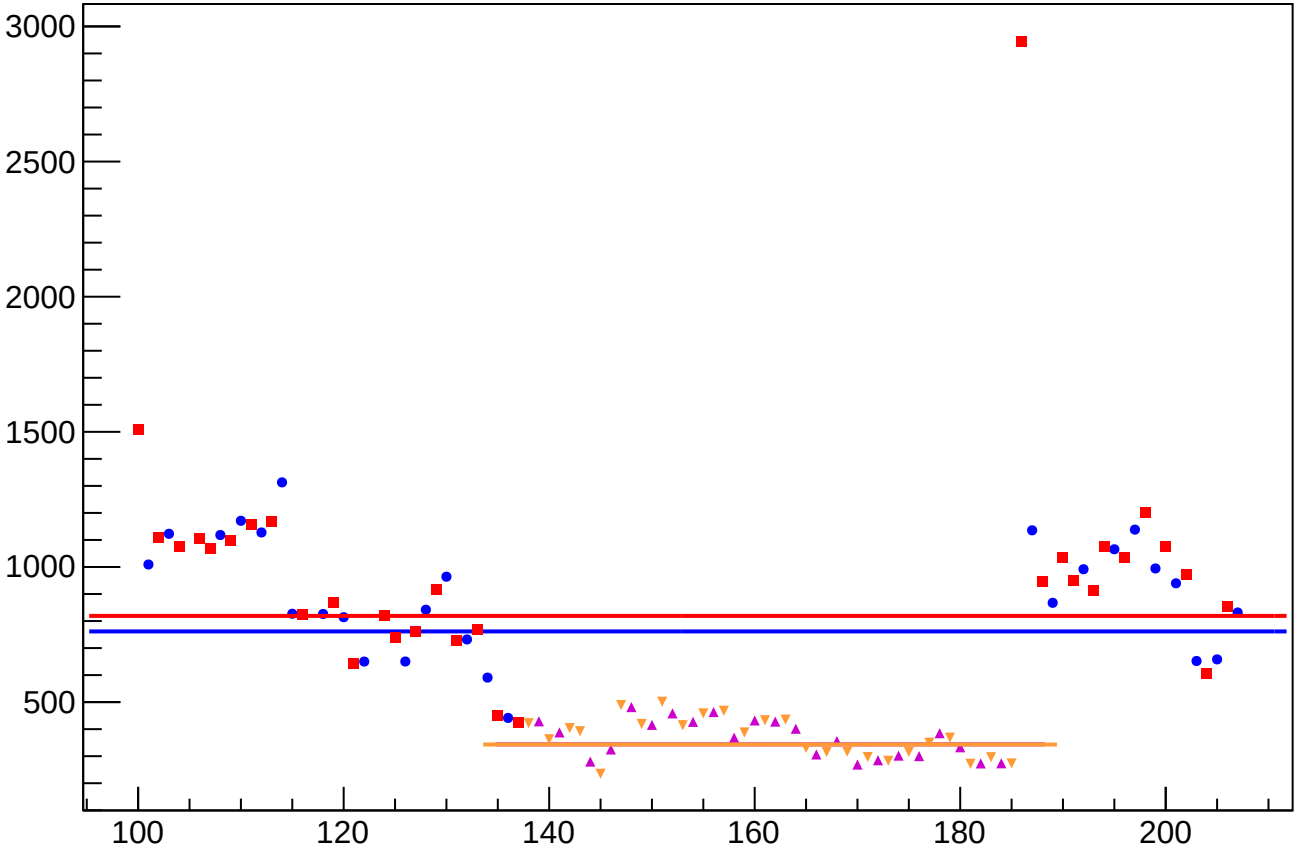
In: 69.622+/-0.009 χ^2/NDF:3609633.8/48

Out: 70.284+/-0.009 χ^2/NDF:4944858.1/55

All: 69.960+/-0.006 χ^2/NDF: 8557346.1/104


asym_sam_15_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 523.841+/-205.870 χ²/NDF: 28.1/25
Left Out: 86.985+/-79.837 χ²/NDF:31.7/24
Right Out: -255.848+/-211.749 χ²/NDF: 28.6/30
Left In: 6.497+/-82.111 χ²/NDF:32.4/22
Left: 47.871+/-57.240 χ²/NDF: 64.6/47
Right: 144.969+/-147.607 χ²/NDF: 63.7/56
In: 77.500+/-76.268 χ²/NDF:66.0/48
Out: 44.315+/-74.703 χ²/NDF:62.5/55
All: 60.564+/-53.368 χ²/NDF: 128.6/104

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 761.574+/-0.146 χ^2/NDF: 2371462.0/25

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

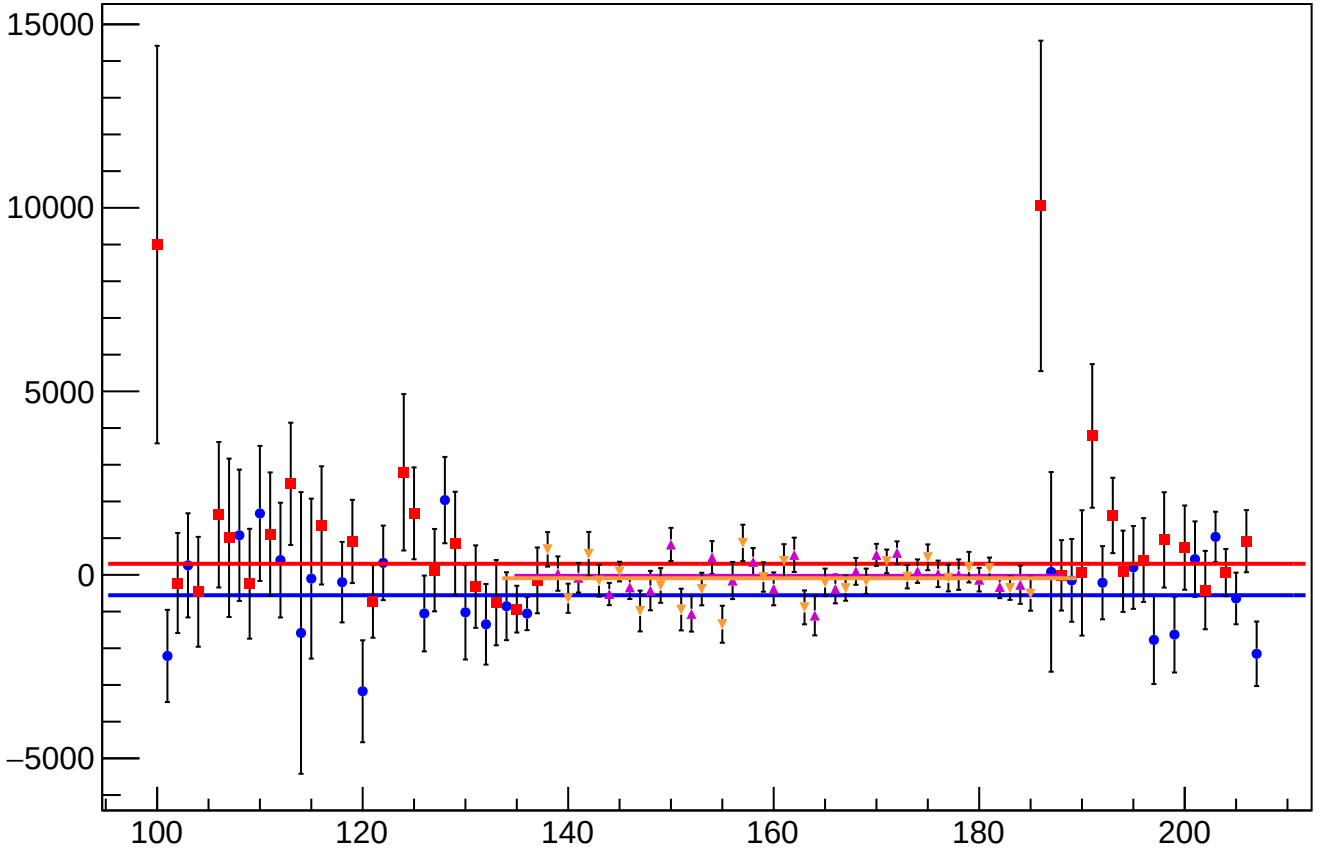
Right: 789.501+/-0.104 χ^2/NDF: 5291260.3/56

In: 401.066+/-0.054 χ^2/NDF:10738448.6/48

Out: 402.446+/-0.053 χ^2/NDF:13281421.3/55

All: 401.770+/-0.038 χ^2/NDF: 24020204.3/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -555.601+/-201.589 χ^2/NDF: 28.8/25

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

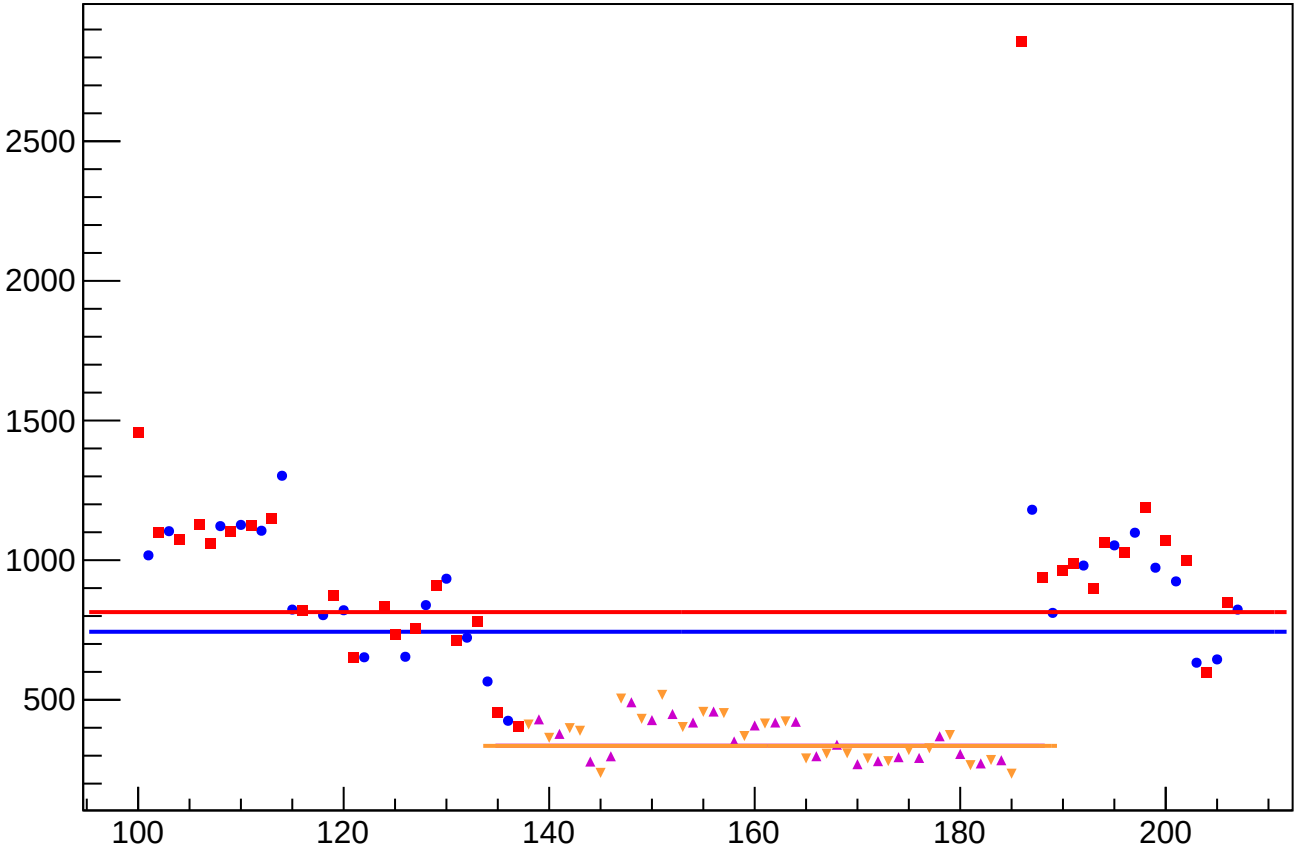
Right: -145.609+/-145.624 χ^2/NDF: 64.0/56

In: -99.394+/-74.525 χ^2/NDF:65.6/48

Out: -44.883+/-73.296 χ^2/NDF:63.8/55

All: -71.685+/-52.257 χ^2/NDF: 129.7/104

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 743.682+/-0.143 χ^2/NDF: 2479641.3/25

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

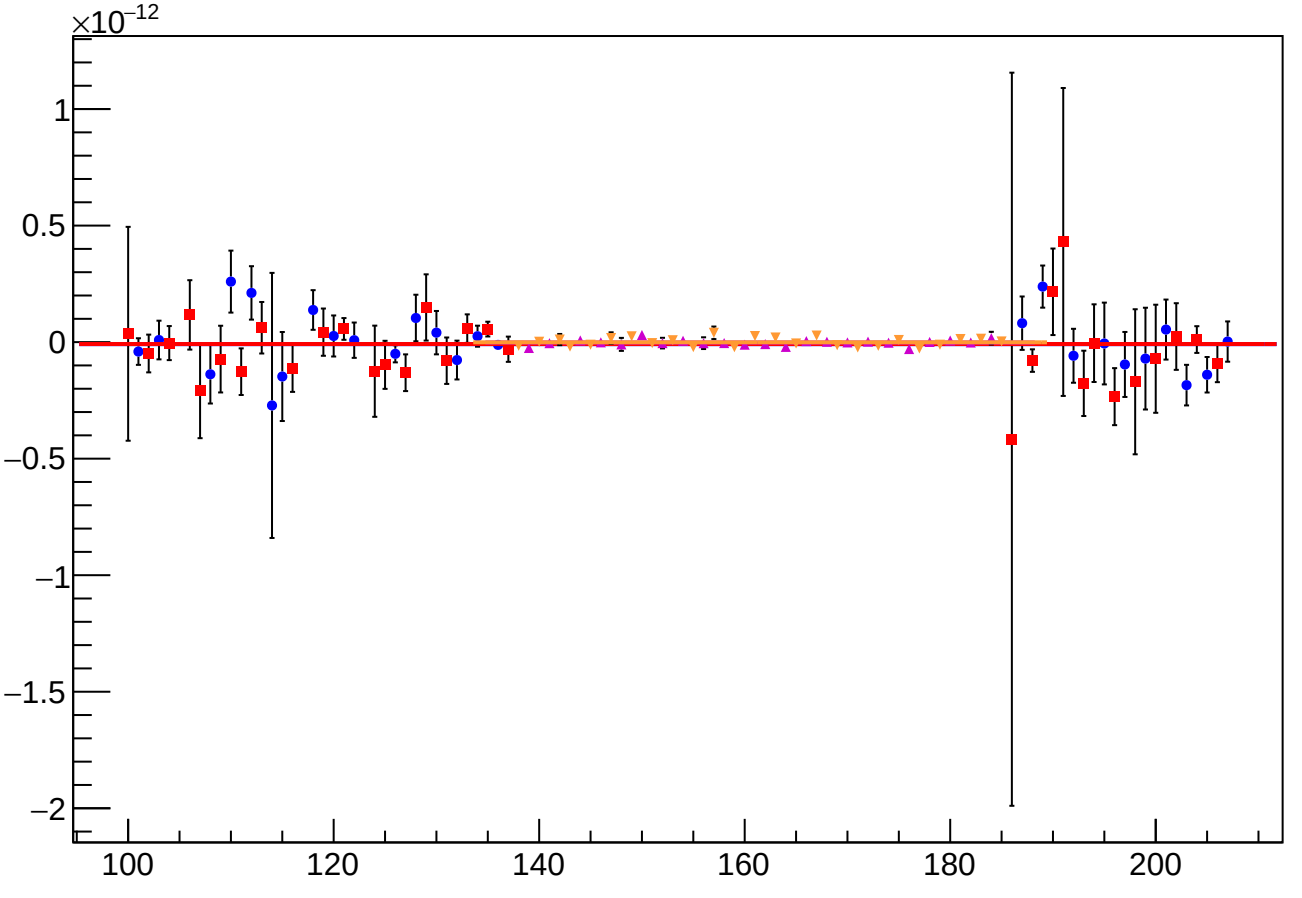
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 777.356+/-0.103 χ^2/NDF: 5447338.2/56

In: 391.534+/-0.053 χ^2/NDF:10840210.3/48

Out: 393.168+/-0.052 χ^2/NDF:13648842.7/55

All: 392.365+/-0.037 χ^2/NDF: 24489541.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/25

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

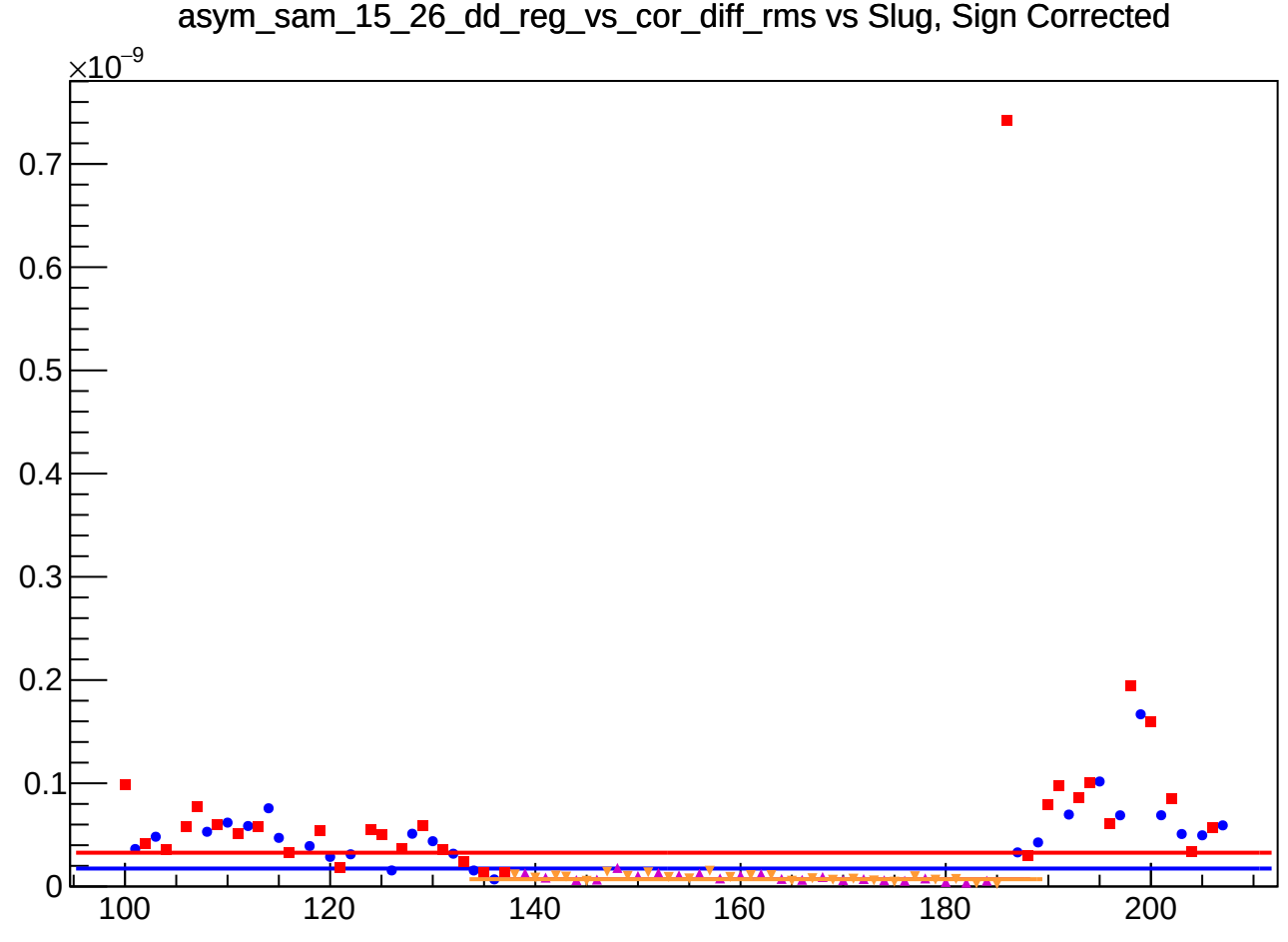
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 61.7/56

In: -0.000+/-0.000 χ^2/NDF:48.5/48

Out: -0.000+/-0.000 χ^2/NDF:61.9/55

All: -0.000+/-0.000 χ^2/NDF: 110.5/104



Right In: 0.000+/-0.000 χ^2/NDF: 7034513.5/25

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

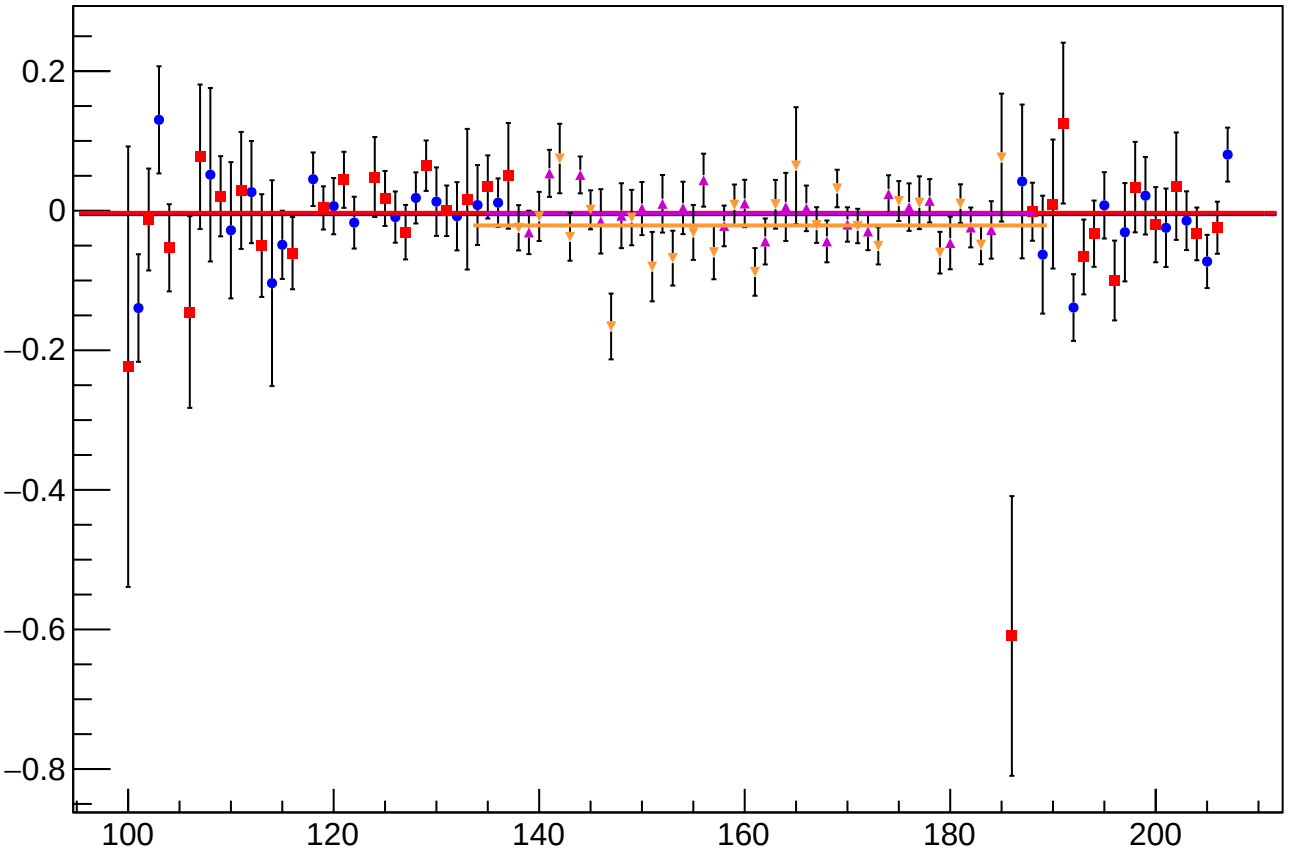
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13286419.1/56

In: 0.000+/-0.000 χ^2/NDF:10553035.1/48

Out: 0.000+/-0.000 χ^2/NDF:12492433.5/55

All: 0.000+/-0.000 χ^2/NDF: 23046008.4/104



Right In: -0.005+/-0.010 χ^2/NDF: 27.7/25

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

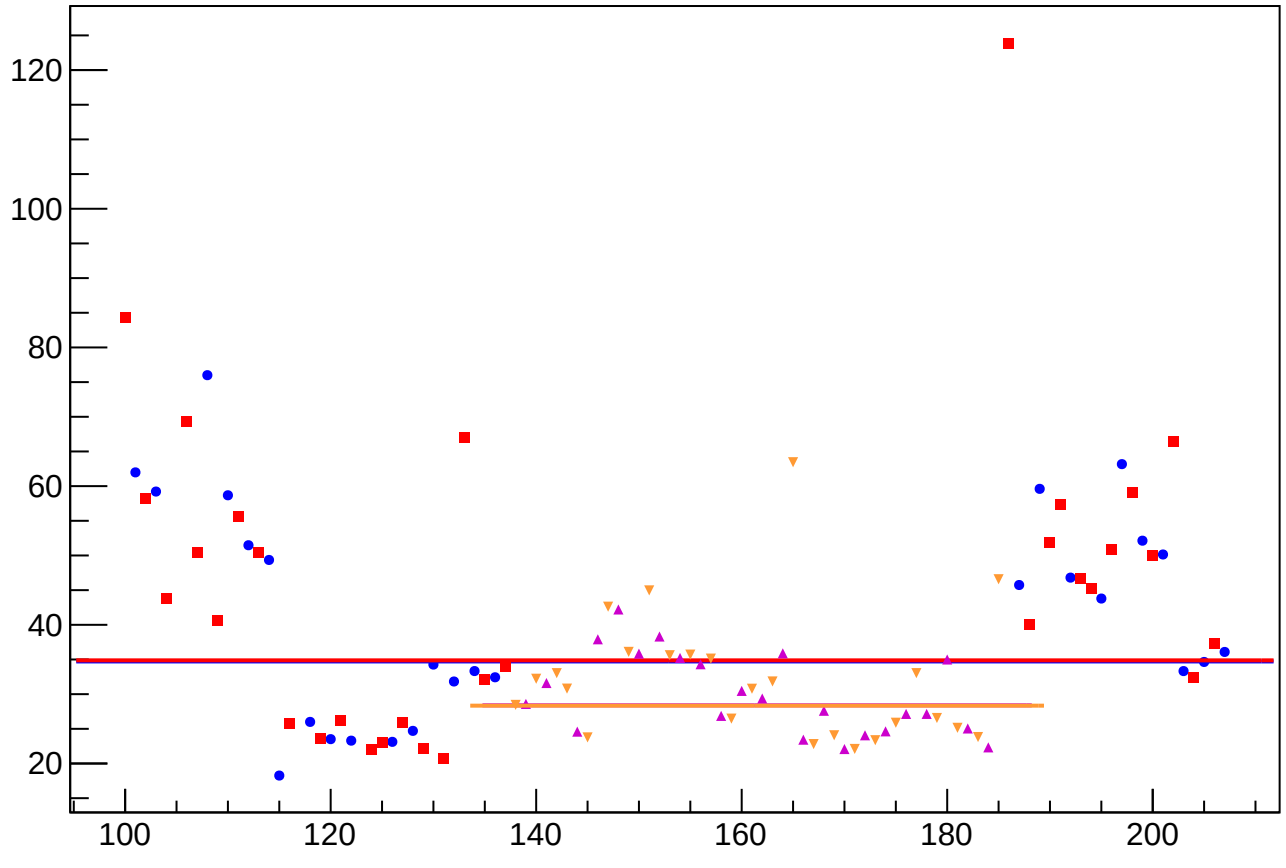
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.004+/-0.007 χ^2/NDF: 57.0/56

In: -0.004+/-0.006 χ^2/NDF:46.4/48

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.010+/-0.004 χ^2/NDF: 117.2/104



Right In: 34.718+/-0.007 χ^2/NDF: 3032289.1/25

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

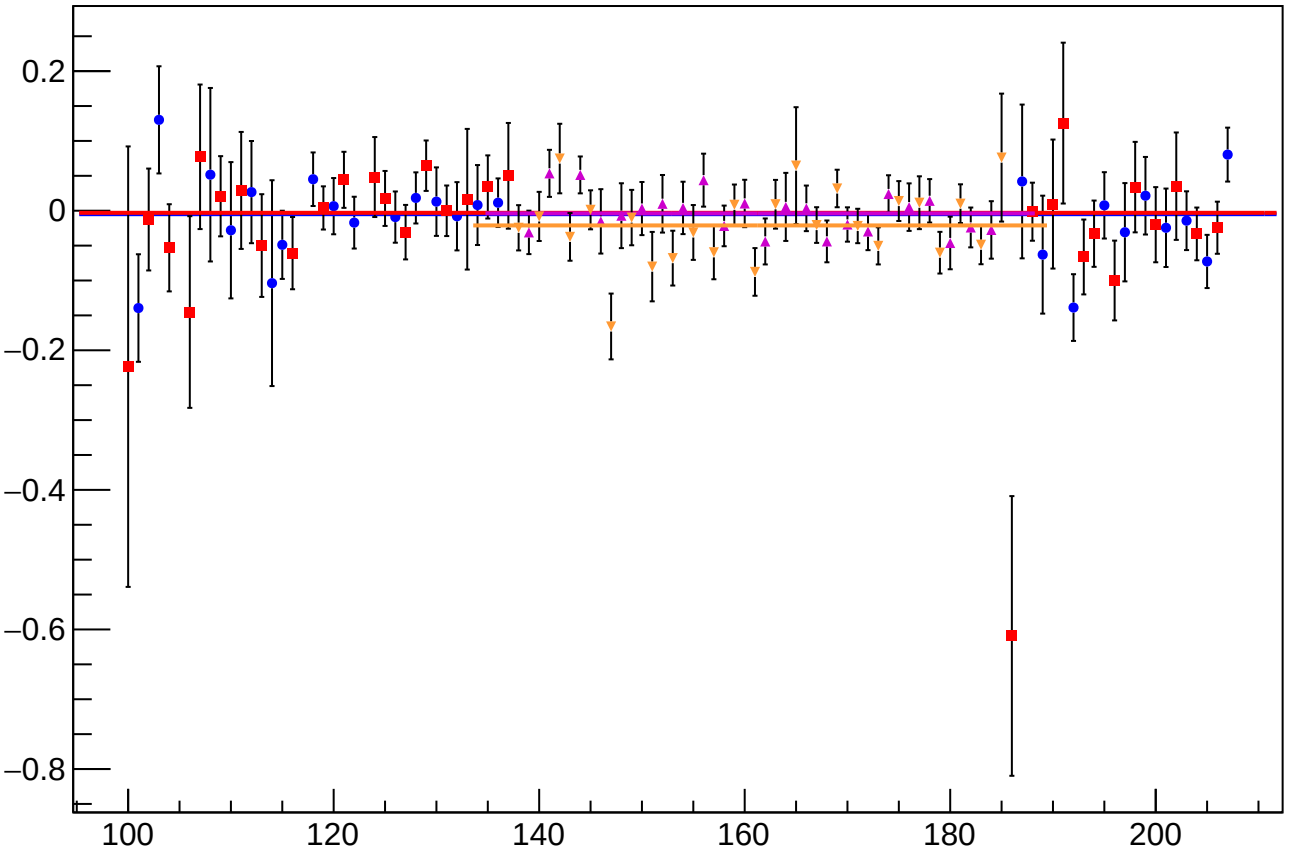
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.799+/-0.005 χ^2/NDF: 7010382.7/56

In: 30.482+/-0.004 χ^2/NDF:4693996.1/48

Out: 30.518+/-0.004 χ^2/NDF:6350478.6/55

All: 30.500+/-0.003 χ^2/NDF: 11044516.5/104



Right In: -0.005+/-0.010 χ^2/NDF: 27.7/25

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

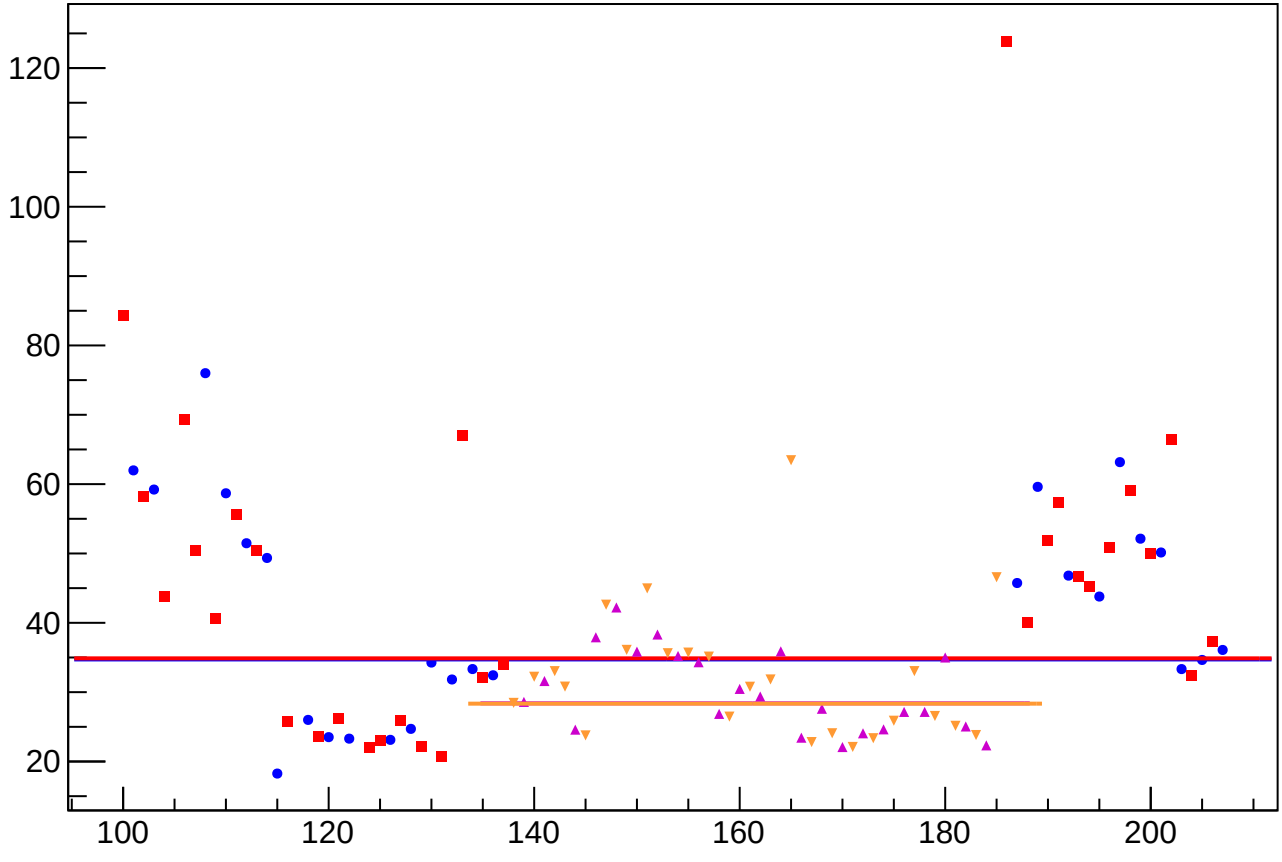
Right: -0.004+/-0.007 χ^2/NDF: 57.0/56

In: -0.004+/-0.006 χ^2/NDF:46.4/48

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.010+/-0.004 χ^2/NDF: 117.2/104

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.718+/-0.007 χ^2/NDF: 3032289.1/25

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

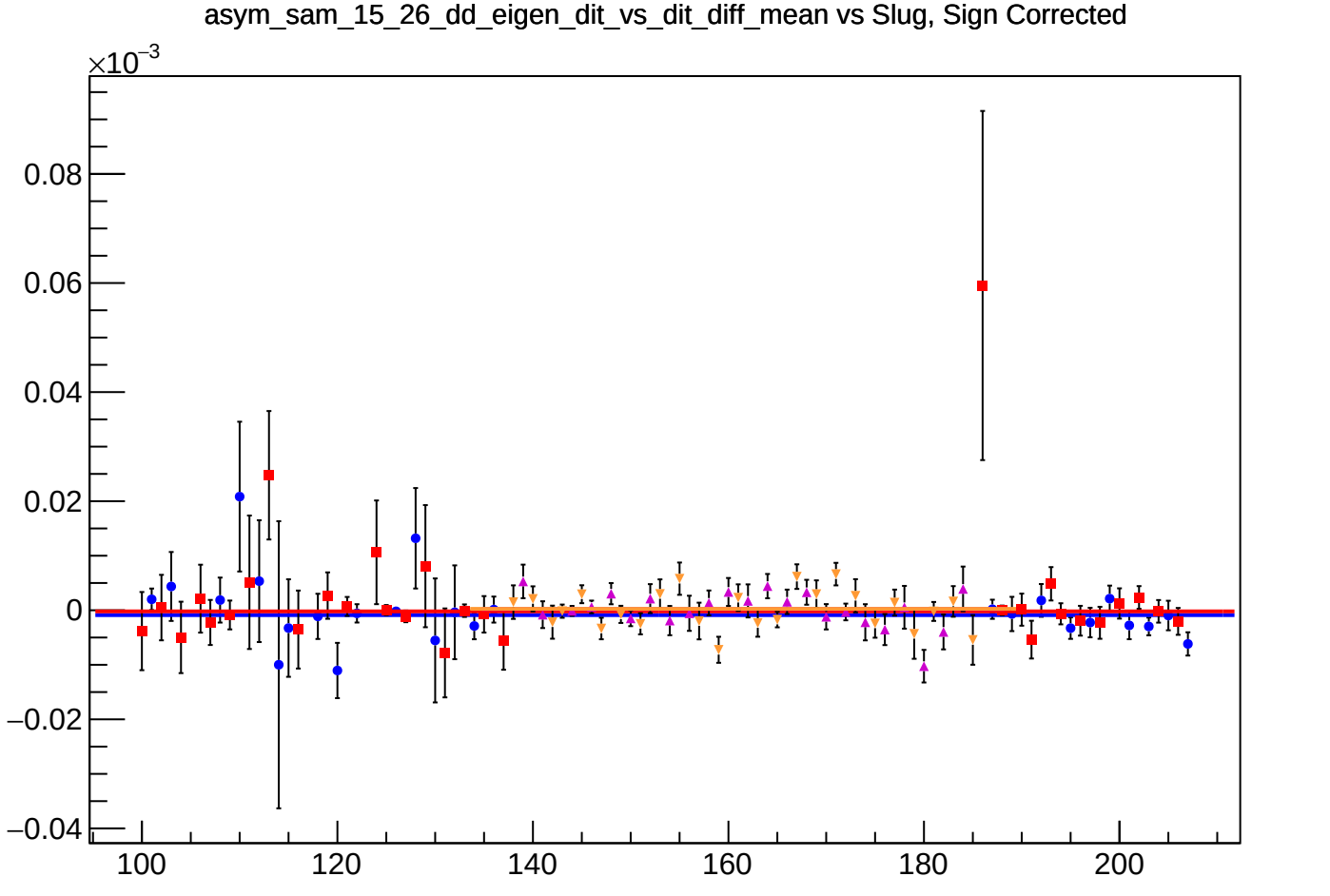
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.799+/-0.005 χ^2/NDF: 7010382.7/56

In: 30.482+/-0.004 χ^2/NDF:4693996.1/48

Out: 30.518+/-0.004 χ^2/NDF:6350478.6/55

All: 30.500+/-0.003 χ^2/NDF: 11044516.5/104



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/25

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

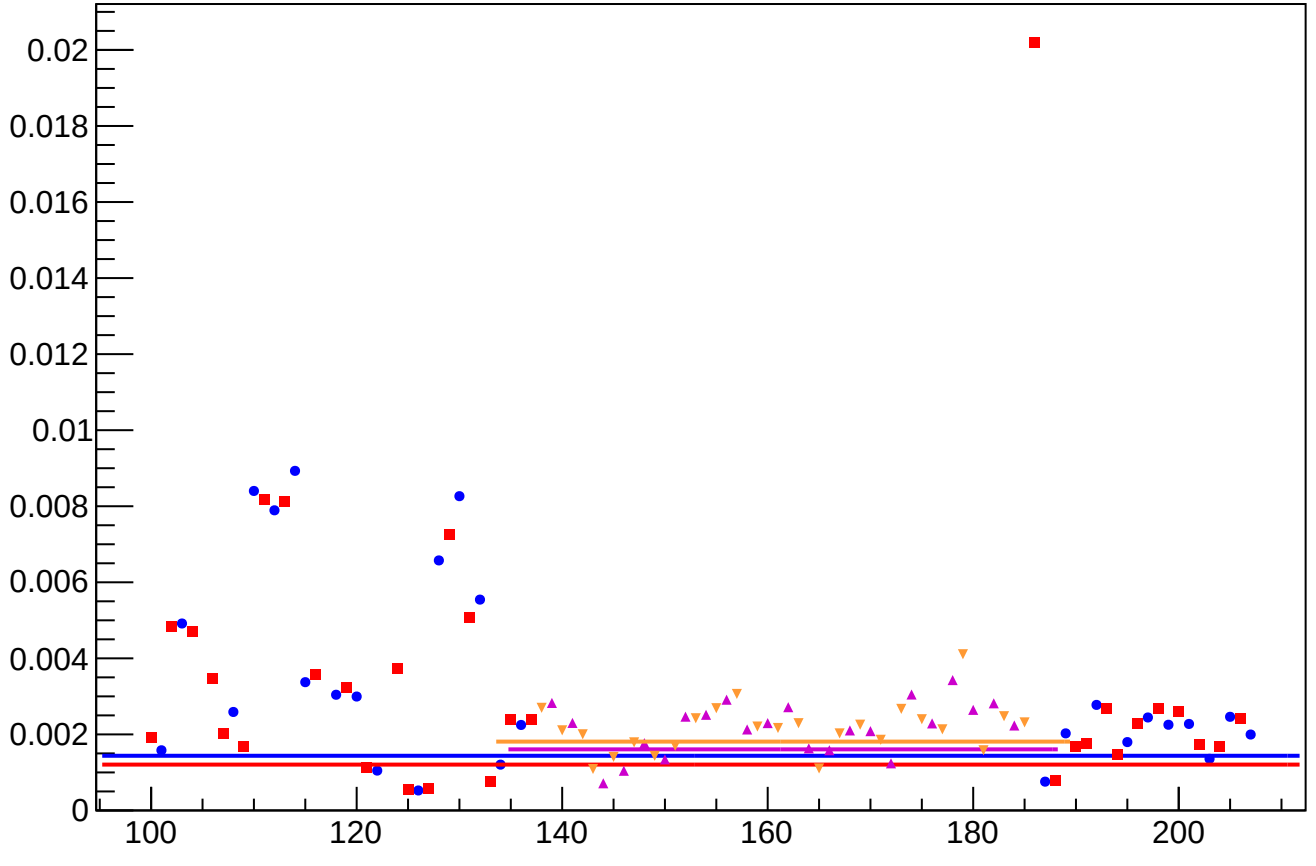
Right: -0.000+/-0.000 χ^2/NDF: 51.7/56

In: -0.000+/-0.000 χ^2/NDF:63.7/48

Out: 0.000+/-0.000 χ^2/NDF:74.6/55

All: -0.000+/-0.000 χ^2/NDF: 138.7/104

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9266377.2/25

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

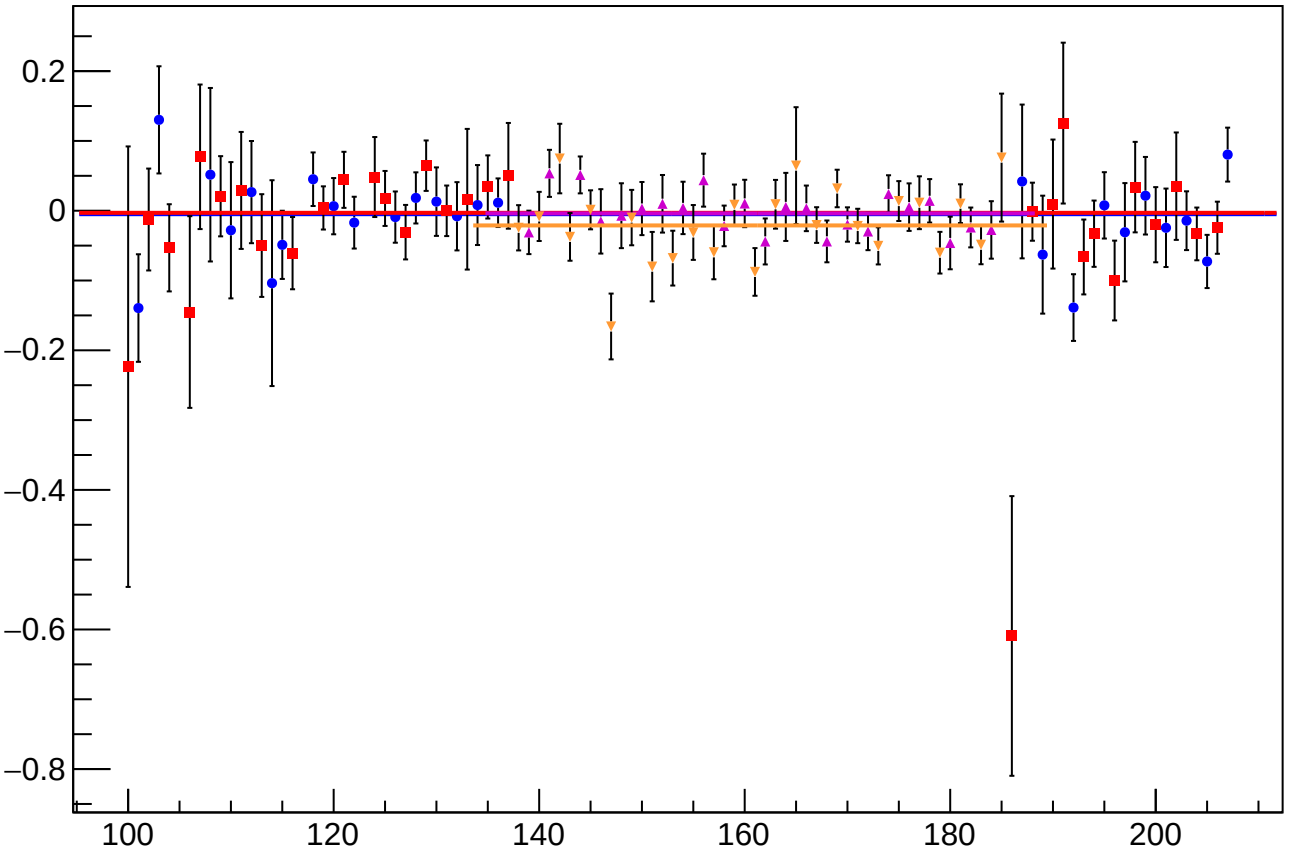
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 20598648.1/56

In: 0.002+/-0.000 χ^2/NDF:15444617.5/48

Out: 0.001+/-0.000 χ^2/NDF:16608799.8/55

All: 0.002+/-0.000 χ^2/NDF: 32083976.8/104



Right In: -0.005+/-0.010 χ^2/NDF: 27.7/25

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

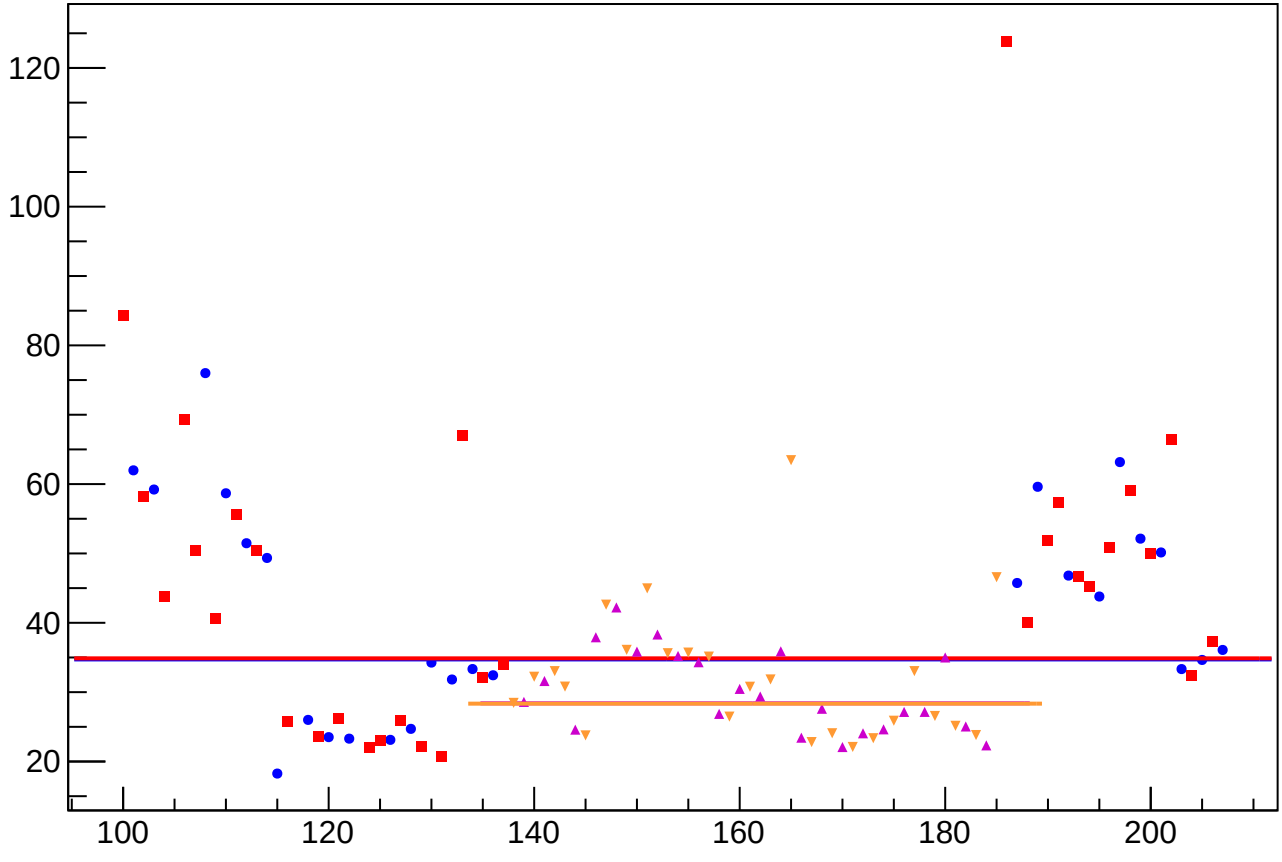
Right: -0.004+/-0.007 χ^2/NDF: 57.0/56

In: -0.004+/-0.006 χ^2/NDF:46.4/48

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.010+/-0.004 χ^2/NDF: 117.2/104

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.718+/-0.007 χ^2/NDF: 3032158.2/25

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

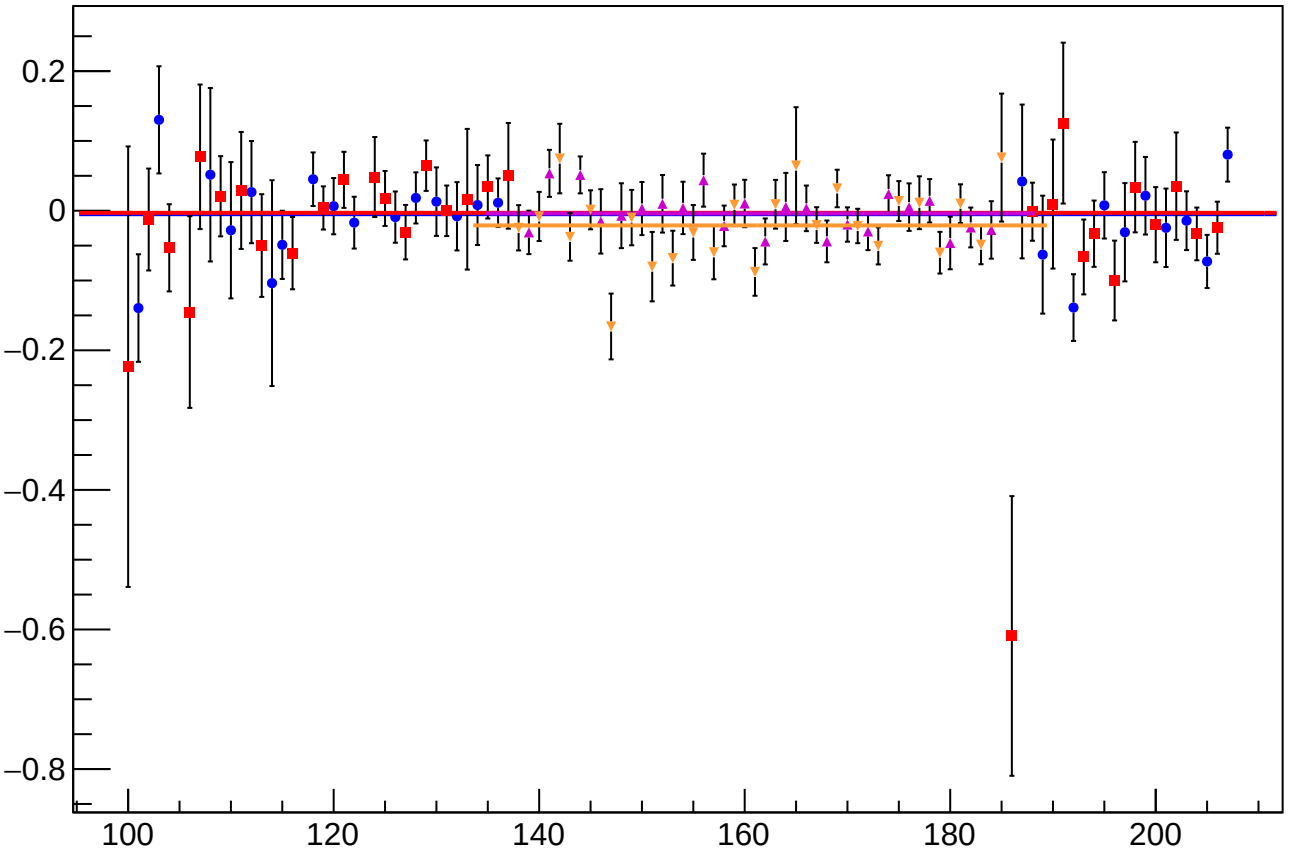
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.799+/-0.005 χ^2/NDF: 7010358.7/56

In: 30.482+/-0.004 χ^2/NDF:4693818.1/48

Out: 30.518+/-0.004 χ^2/NDF:6350486.6/55

All: 30.501+/-0.003 χ^2/NDF: 11044345.9/104



Right In: -0.005+/-0.010 χ^2/NDF: 27.7/25

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

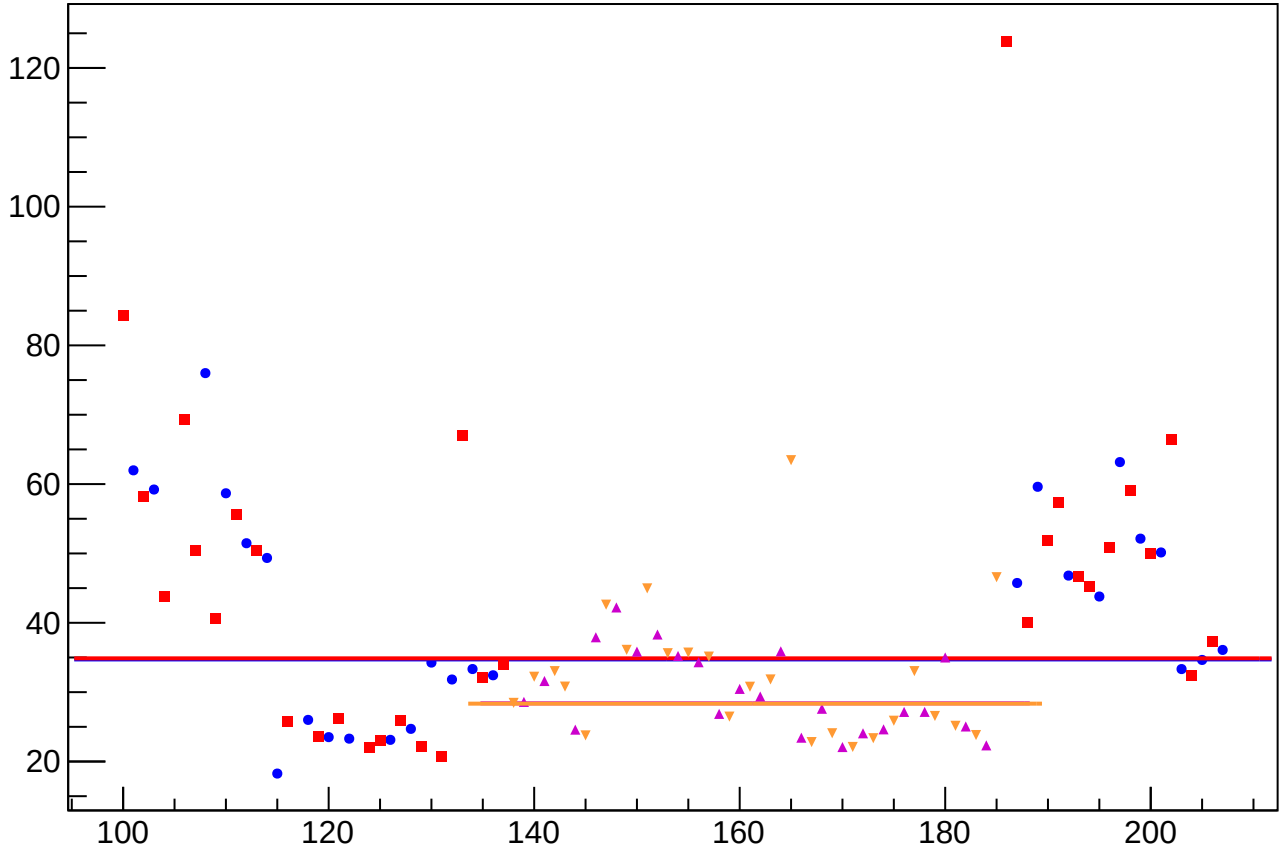
Right: -0.004+/-0.007 χ^2/NDF: 57.0/56

In: -0.004+/-0.006 χ^2/NDF:46.4/48

Out: -0.015+/-0.005 χ^2/NDF:68.8/55

All: -0.010+/-0.004 χ^2/NDF: 117.2/104

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.718+/-0.007 χ^2/NDF: 3032158.2/25

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

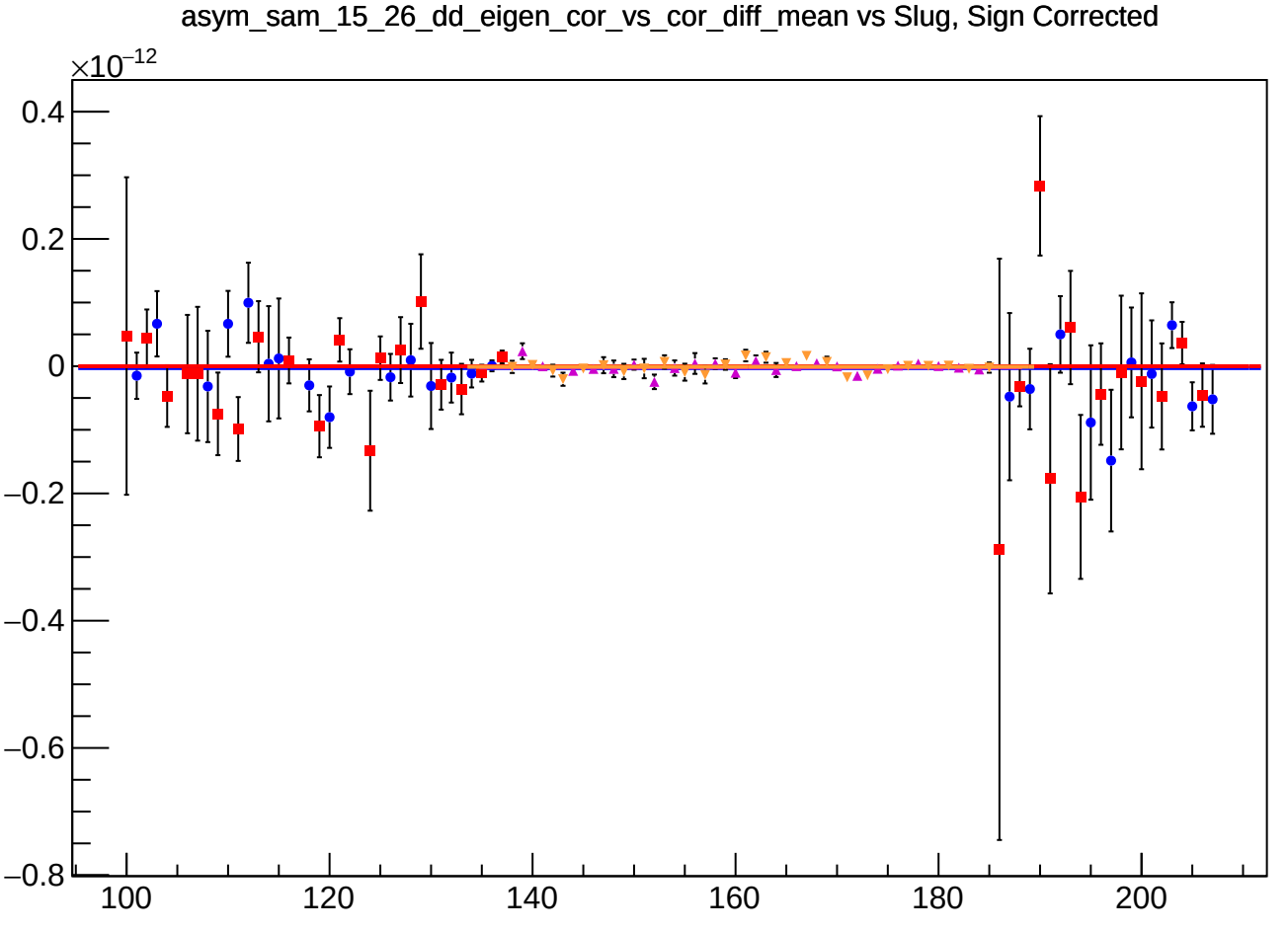
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.799+/-0.005 χ^2/NDF: 7010358.7/56

In: 30.482+/-0.004 χ^2/NDF:4693818.1/48

Out: 30.518+/-0.004 χ^2/NDF:6350486.6/55

All: 30.501+/-0.003 χ^2/NDF: 11044345.9/104



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/25

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

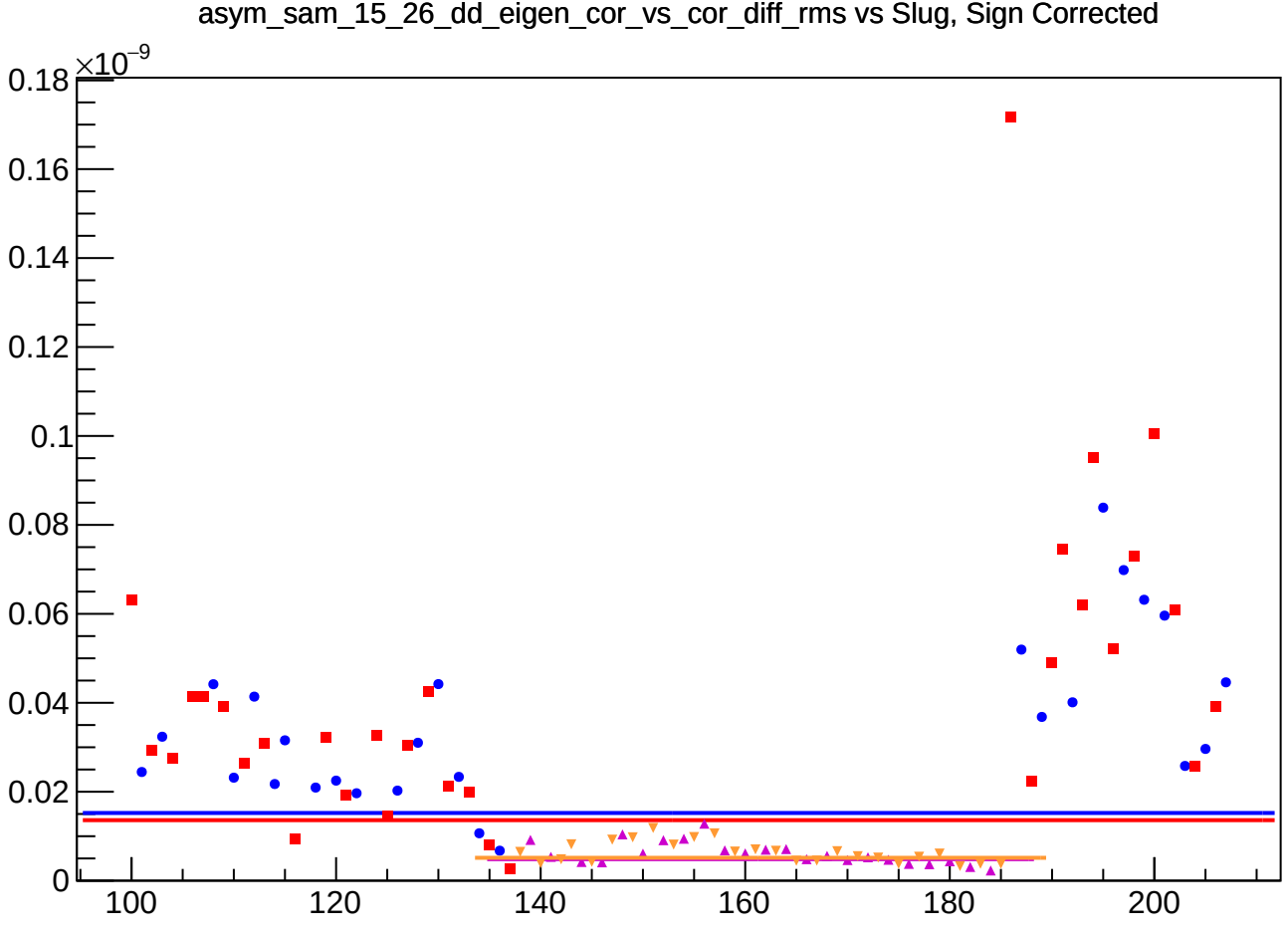
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

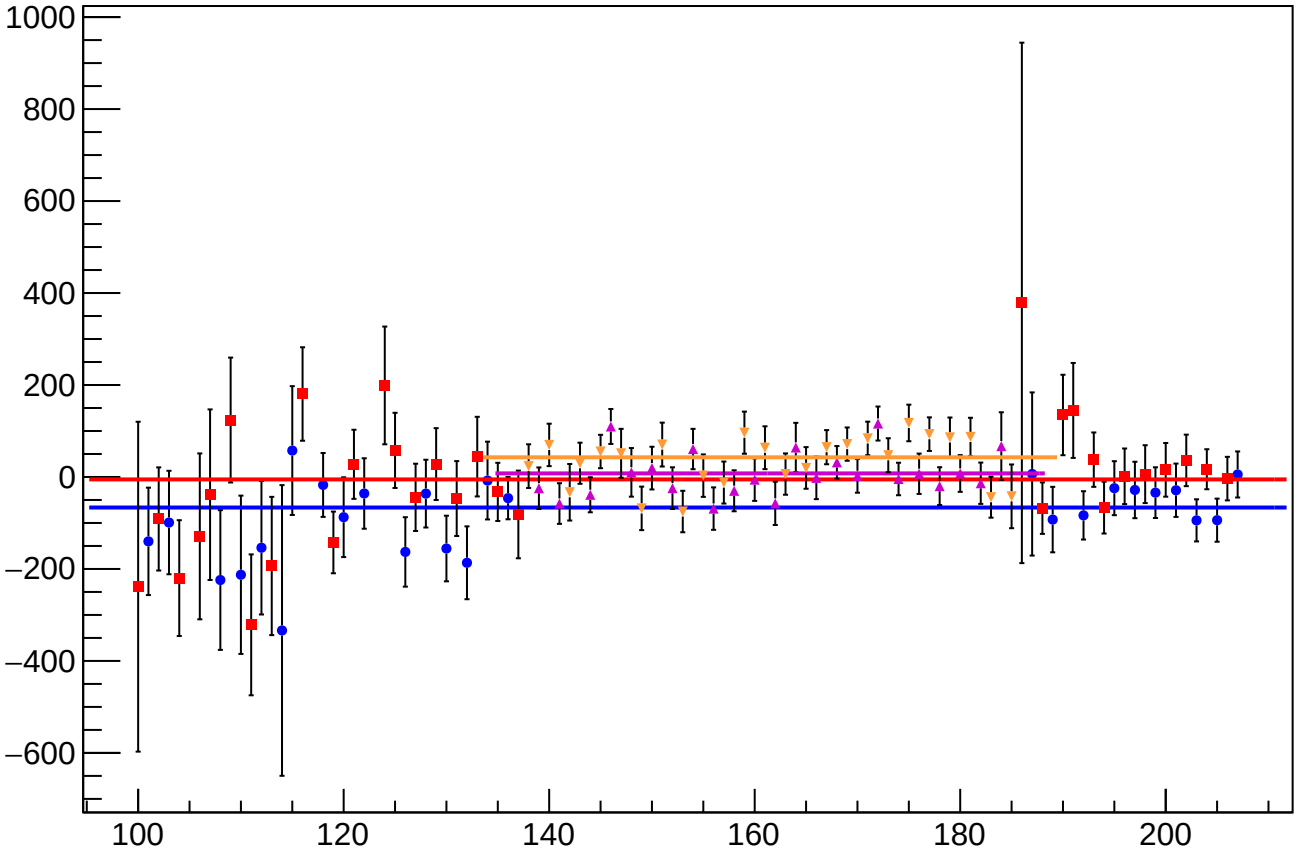
Right: -0.000+/-0.000 χ^2/NDF: 57.0/56

In: -0.000+/-0.000 χ^2/NDF:40.3/48

Out: -0.000+/-0.000 χ^2/NDF:70.3/55

All: -0.000+/-0.000 χ^2/NDF: 110.9/104


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7903442.7/25
Left Out: 0.000+/-0.000 χ²/NDF:3035355.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 10596904.1/30
Left In: 0.000+/-0.000 χ²/NDF:3040812.9/22
Left: 0.000+/-0.000 χ²/NDF: 6121355.4/47
Right: 0.000+/-0.000 χ²/NDF: 18565328.1/56
In: 0.000+/-0.000 χ²/NDF:15939745.6/48
Out: 0.000+/-0.000 χ²/NDF:17107970.6/55
All: 0.000+/-0.000 χ²/NDF: 33078119.9/104



Right In: -66.405+/-13.762 χ^2/NDF: 16.0/25

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

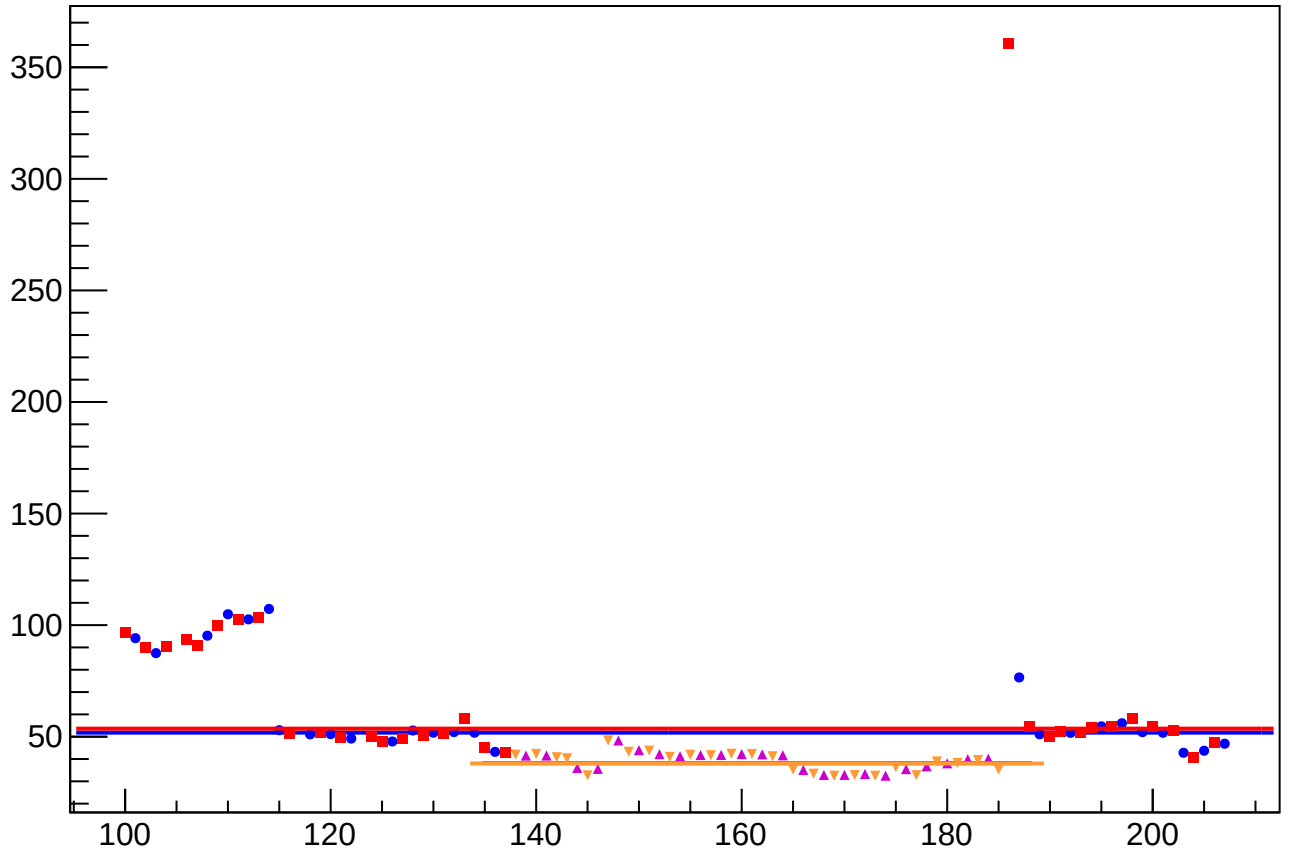
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -35.754+/-9.715 χ^2/NDF: 58.9/56

In: -14.353+/-7.517 χ^2/NDF:67.0/48

Out: 28.980+/-7.346 χ^2/NDF:76.5/55

All: 7.813+/-5.254 χ^2/NDF: 160.5/104



Right In: 51.816+/-0.010 χ^2/NDF: 1412455.3/25

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

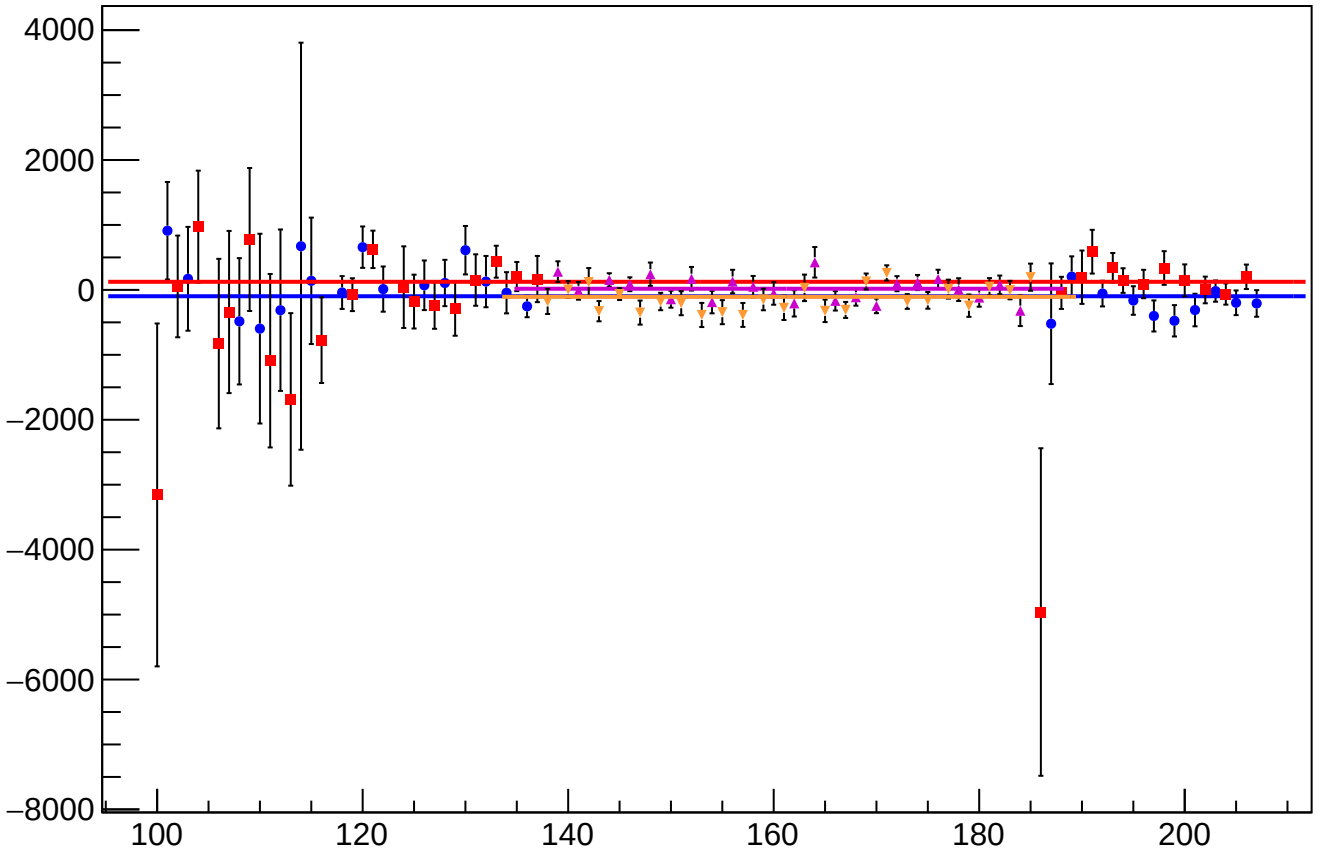
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 52.717+/-0.007 χ^2/NDF: 3596486.3/56

In: 42.215+/-0.005 χ^2/NDF:3228003.6/48

Out: 42.470+/-0.005 χ^2/NDF:4530951.2/55

All: 42.346+/-0.004 χ^2/NDF: 7760130.6/104



Right In: -97.866+/-56.661 χ^2/NDF: 20.3/25

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

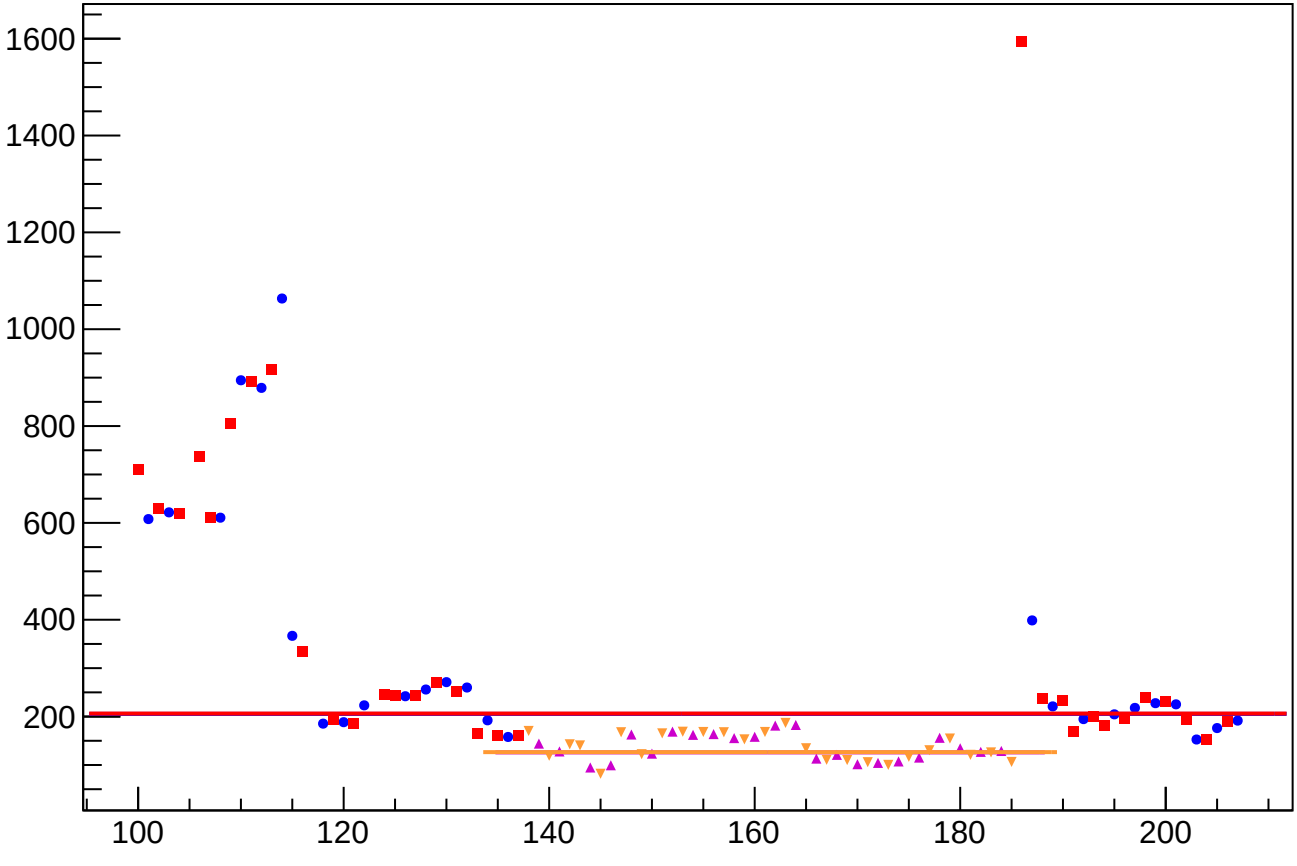
Right: 16.265+/-39.533 χ^2/NDF: 54.2/56

In: -7.990+/-26.641 χ^2/NDF:51.8/48

Out: -54.987+/-26.059 χ^2/NDF:77.2/55

All: -32.007+/-18.629 χ^2/NDF: 130.6/104

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 205.509+/-0.040 χ^2/NDF: 3444336.7/25

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

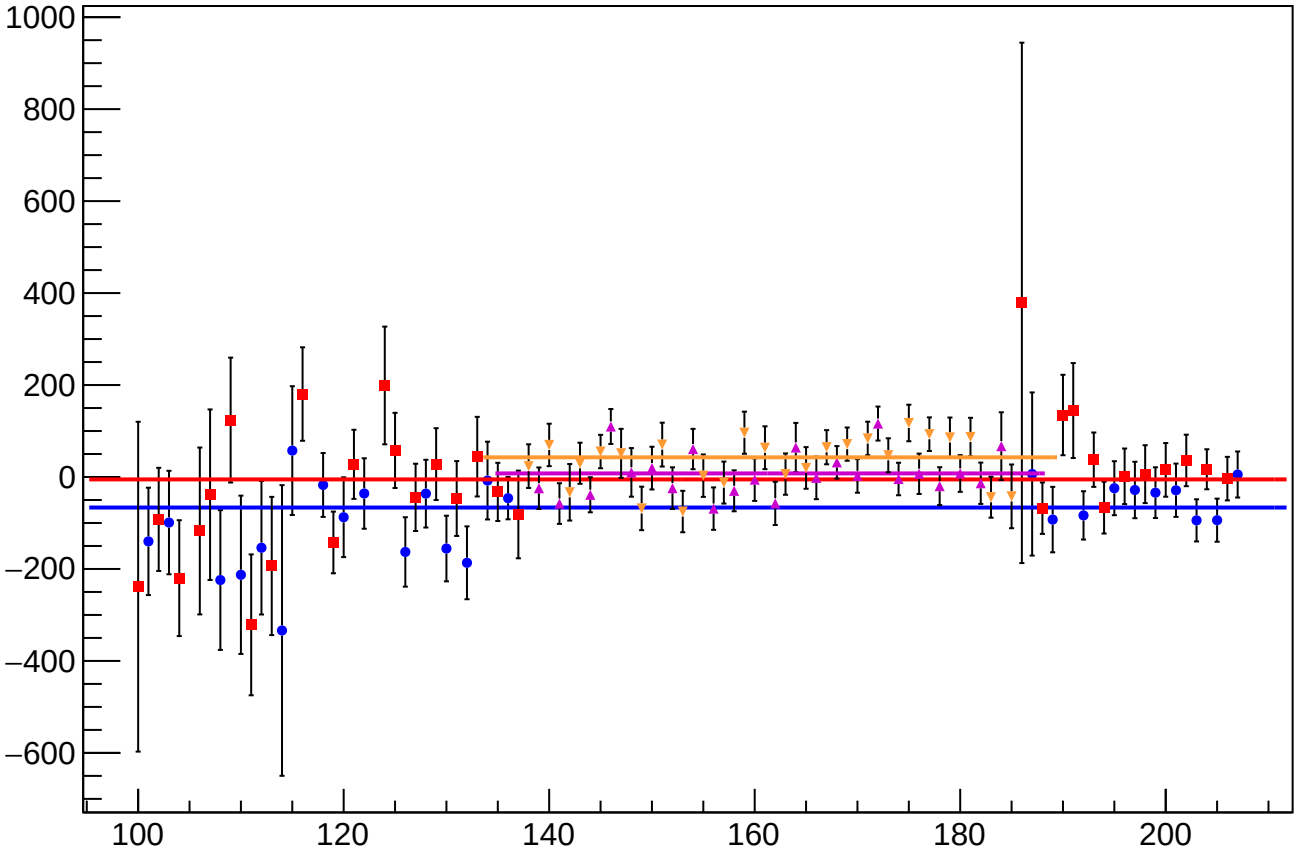
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 205.874+/-0.028 χ^2/NDF: 8179751.7/56

In: 143.587+/-0.019 χ^2/NDF:7921503.6/48

Out: 144.325+/-0.018 χ^2/NDF:9731636.9/55

All: 143.964+/-0.013 χ^2/NDF: 17653924.3/10



Right In: -66.403+/-13.762 χ^2/NDF: 16.0/25

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

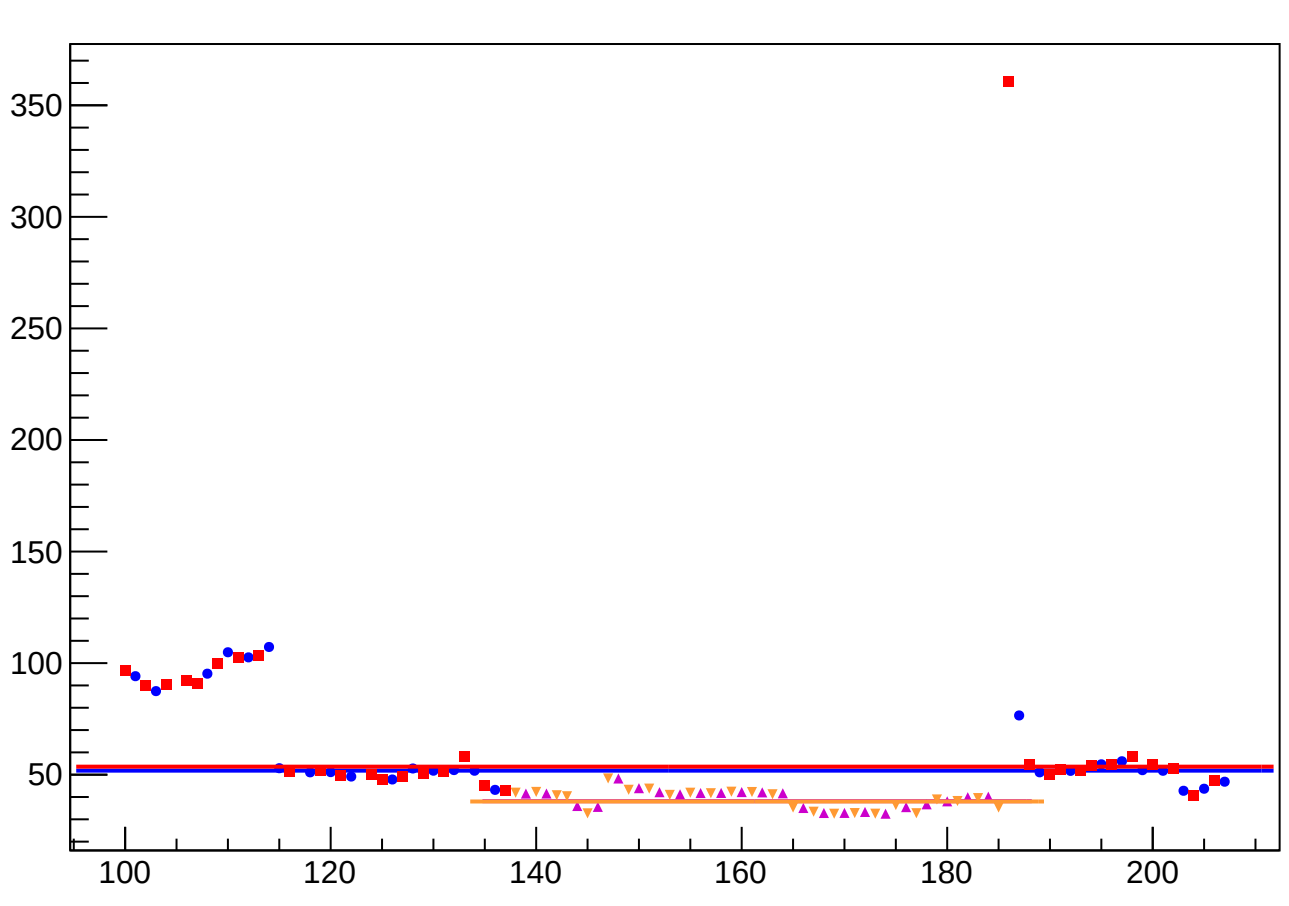
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -35.722+/-9.715 χ^2/NDF: 58.8/56

In: -14.351+/-7.517 χ^2/NDF:67.0/48

Out: 29.000+/-7.346 χ^2/NDF:76.4/55

All: 7.824+/-5.254 χ^2/NDF: 160.4/104



Right In: 51.816+/-0.010 χ^2/NDF: 1412455.6/25

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

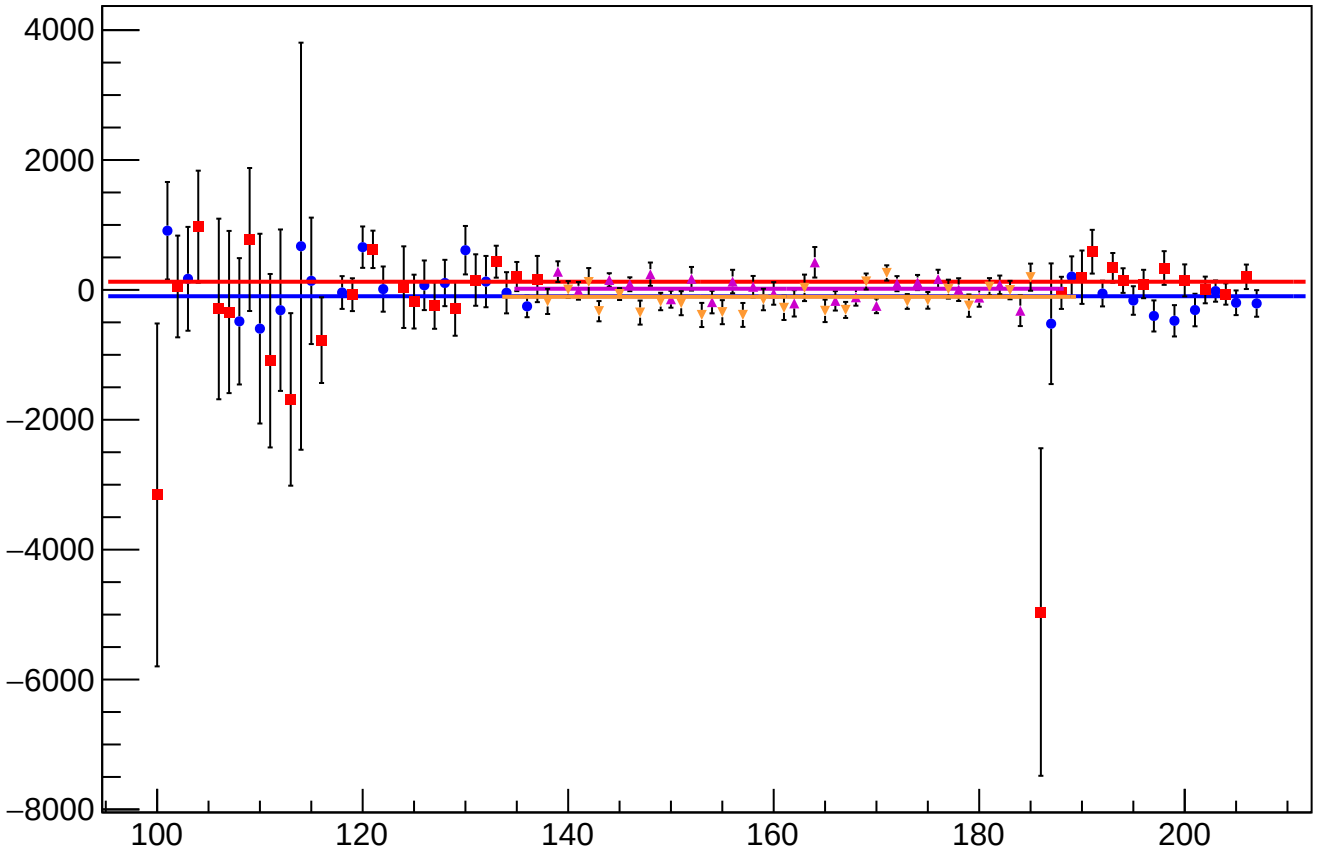
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 52.711+/-0.007 χ^2/NDF: 3587927.0/56

In: 42.215+/-0.005 χ^2/NDF:3228003.8/48

Out: 42.467+/-0.005 χ^2/NDF:4519801.1/55

All: 42.344+/-0.004 χ^2/NDF: 7748948.4/104



Right In: -97.864+/-56.661 χ^2/NDF: 20.3/25

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

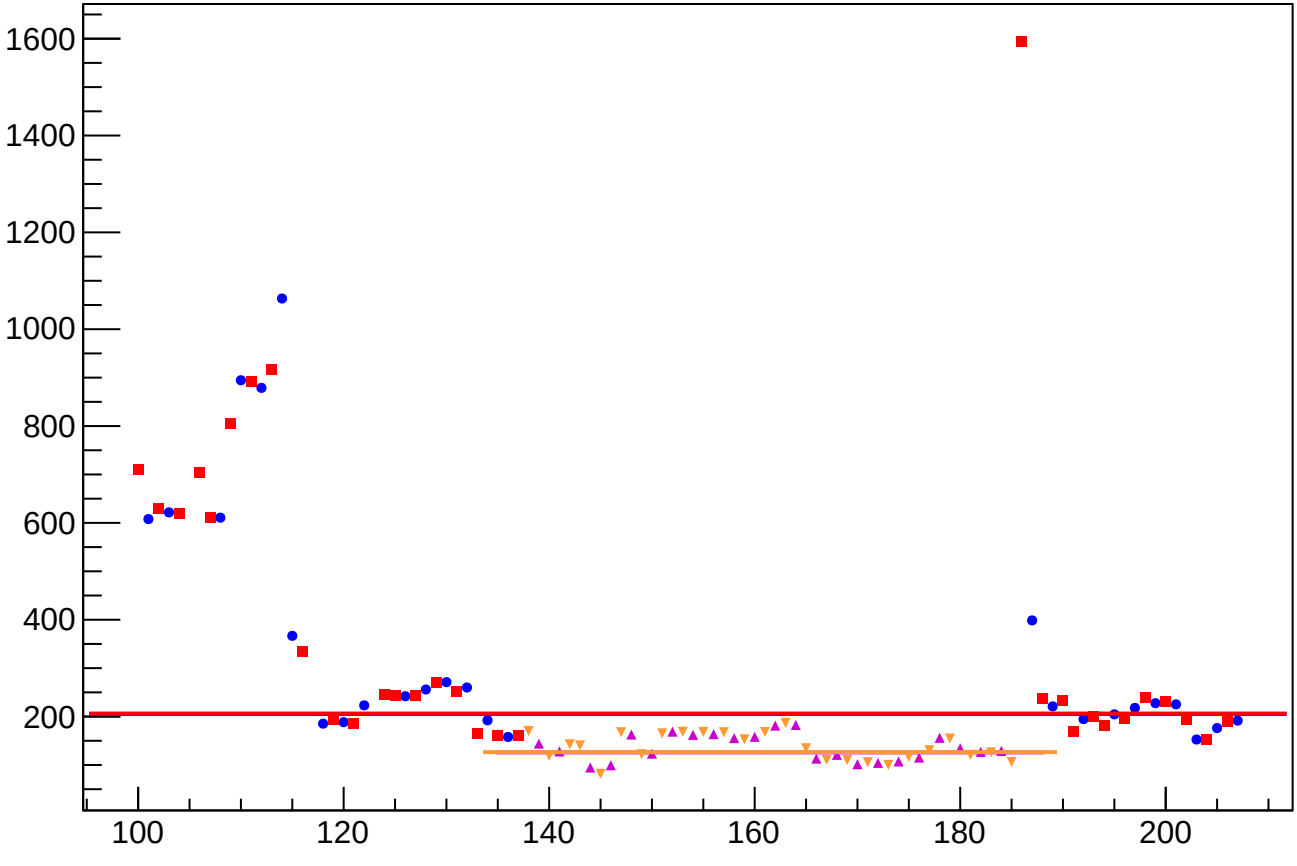
Right: 16.783+/-39.535 χ^2/NDF: 53.8/56

In: -7.989+/-26.641 χ^2/NDF:51.8/48

Out: -54.766+/-26.060 χ^2/NDF:76.9/55

All: -31.893+/-18.629 χ^2/NDF: 130.3/104

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 205.509+/-0.040 χ^2/NDF: 3444344.9/25

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

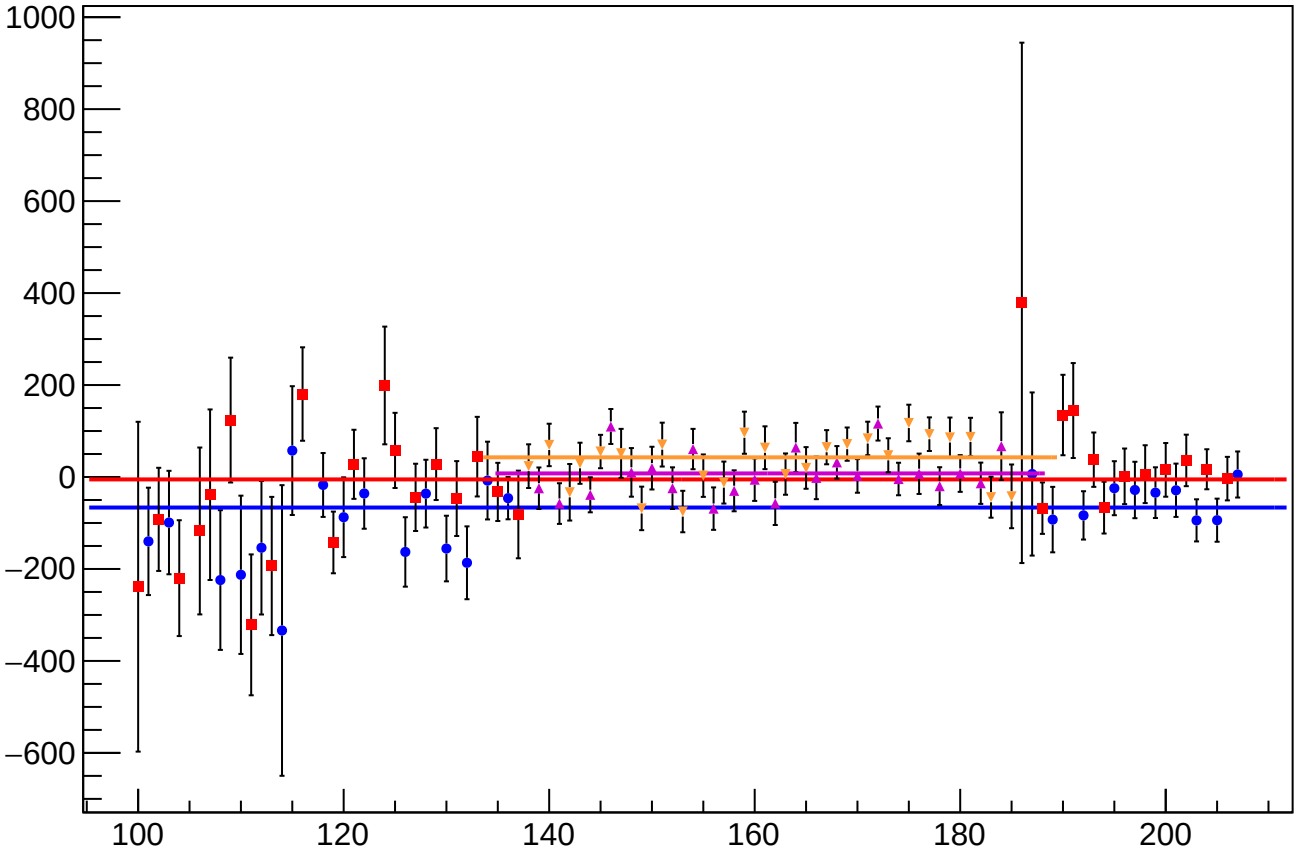
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 205.790+/-0.028 χ^2/NDF: 8106543.3/56

In: 143.587+/-0.019 χ^2/NDF:7921525.5/48

Out: 144.285+/-0.018 χ^2/NDF:9644639.3/55

All: 143.944+/-0.013 χ^2/NDF: 17566867.2/10



Right In: -66.403+/-13.762 χ^2/NDF: 16.0/25

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

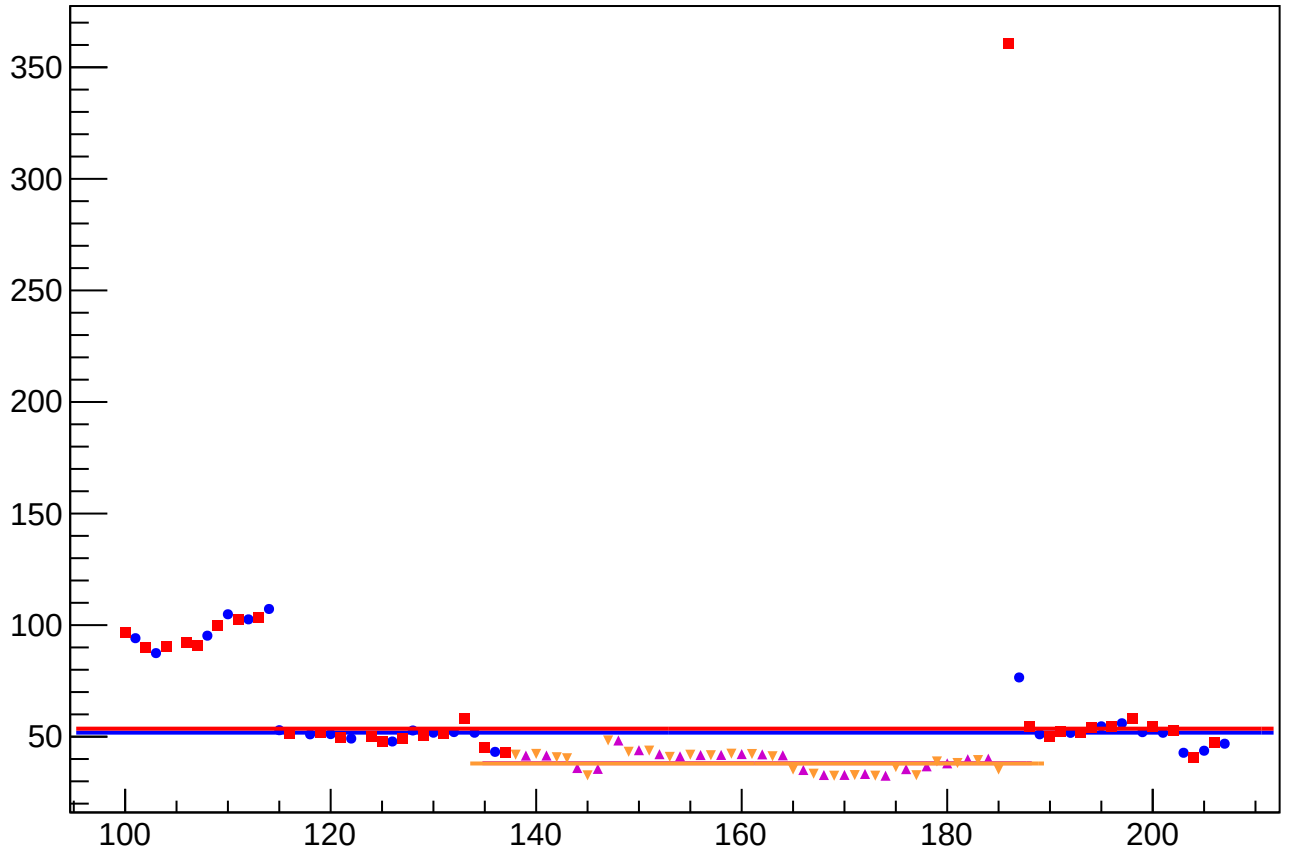
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -35.722+/-9.715 χ^2/NDF: 58.8/56

In: -14.351+/-7.517 χ^2/NDF:67.0/48

Out: 29.000+/-7.346 χ^2/NDF:76.4/55

All: 7.824+/-5.254 χ^2/NDF: 160.4/104



Right In: 51.816+/-0.010 χ^2/NDF: 1412455.6/25

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

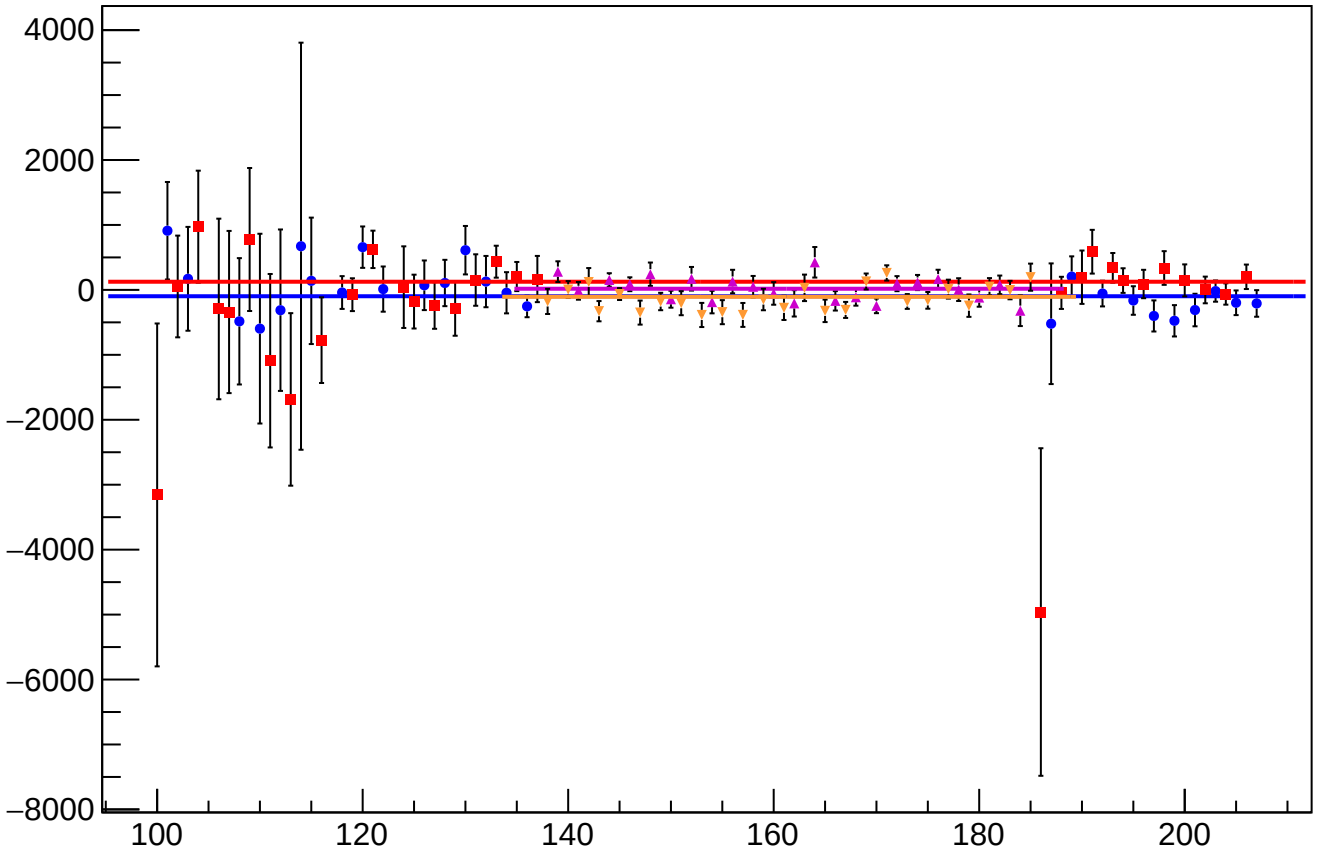
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 52.711+/-0.007 χ^2/NDF: 3587927.0/56

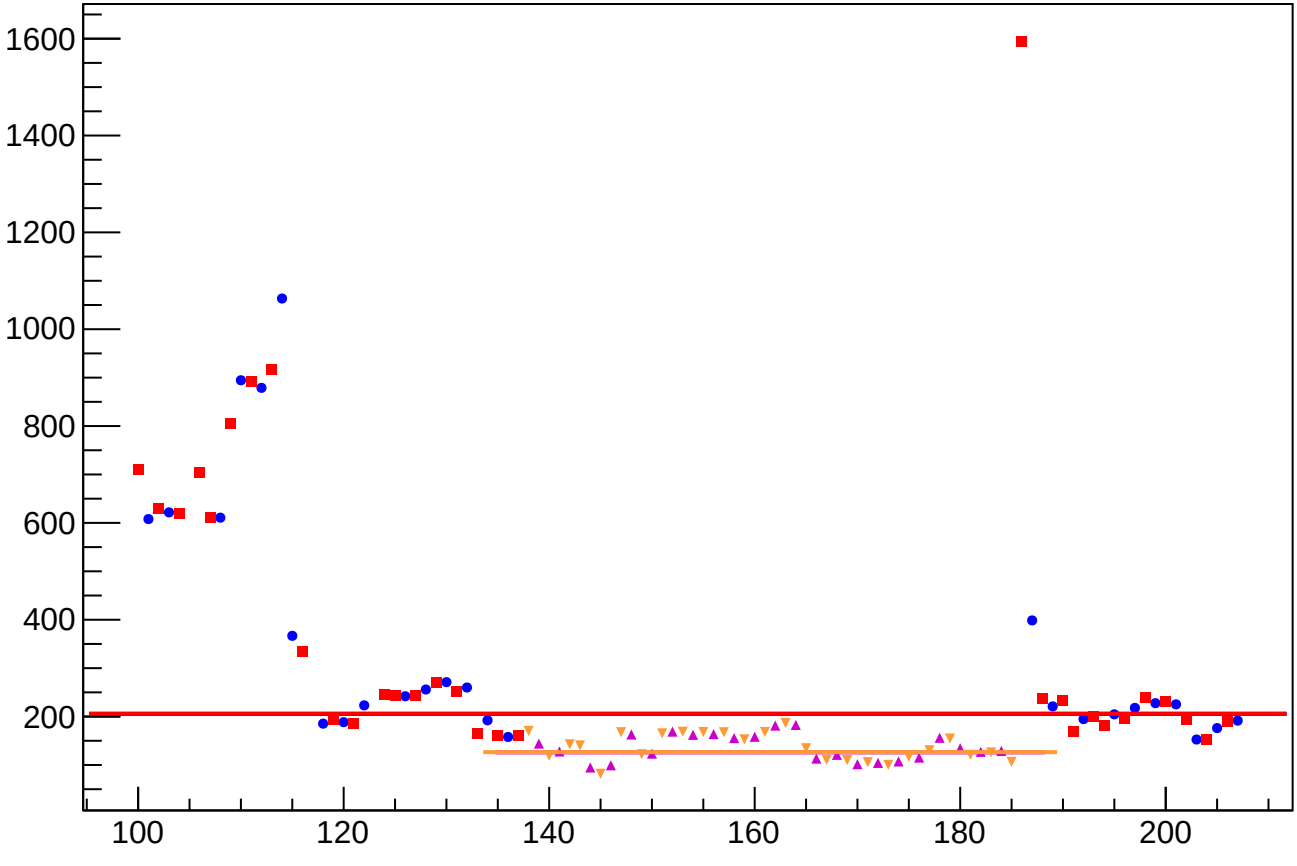
In: 42.215+/-0.005 χ^2/NDF:3228003.8/48

Out: 42.467+/-0.005 χ^2/NDF:4519801.1/55

All: 42.344+/-0.004 χ^2/NDF: 7748948.4/104


asym_sam_37_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: -97.864+/-56.661 χ²/NDF: 20.3/25
Left Out: -106.505+/-29.563 χ²/NDF:37.6/24
Right Out: 125.554+/-55.190 χ²/NDF: 25.5/30
Left In: 17.517+/-30.185 χ²/NDF:28.2/22
Left: -45.785+/-21.121 χ²/NDF: 74.5/47
Right: 16.783+/-39.535 χ²/NDF: 53.8/56
In: -7.989+/-26.641 χ²/NDF:51.8/48
Out: -54.766+/-26.060 χ²/NDF:76.9/55
All: -31.893+/-18.629 χ²/NDF: 130.3/104

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 205.509+/-0.040 χ^2/NDF: 3444344.9/25

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

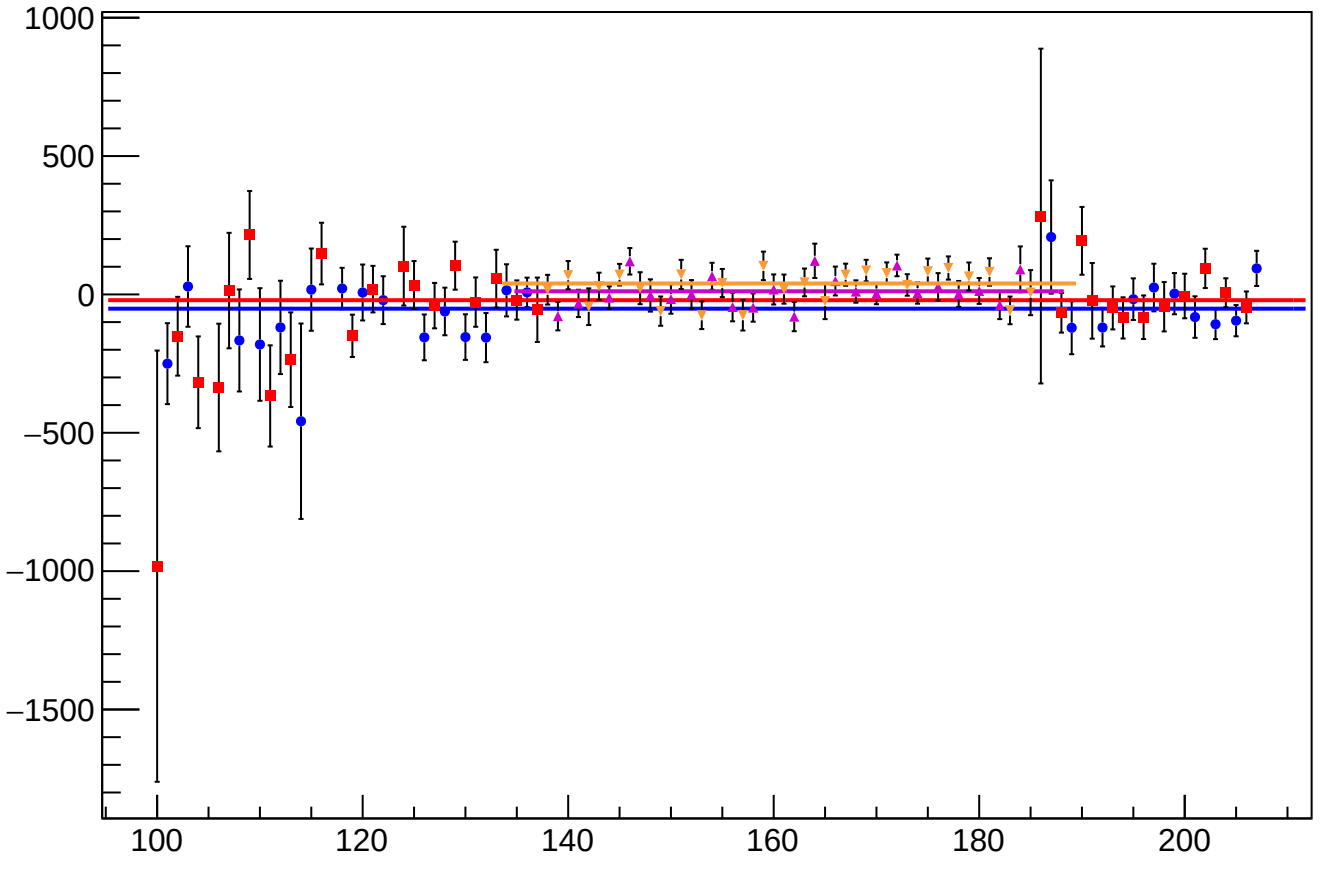
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 205.790+/-0.028 χ^2/NDF: 8106543.3/56

In: 143.587+/-0.019 χ^2/NDF:7921525.5/48

Out: 144.285+/-0.018 χ^2/NDF:9644639.3/55

All: 143.944+/-0.013 χ^2/NDF: 17566867.2/10



Right In: -51.551+/-16.692 χ^2/NDF: 24.0/25

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

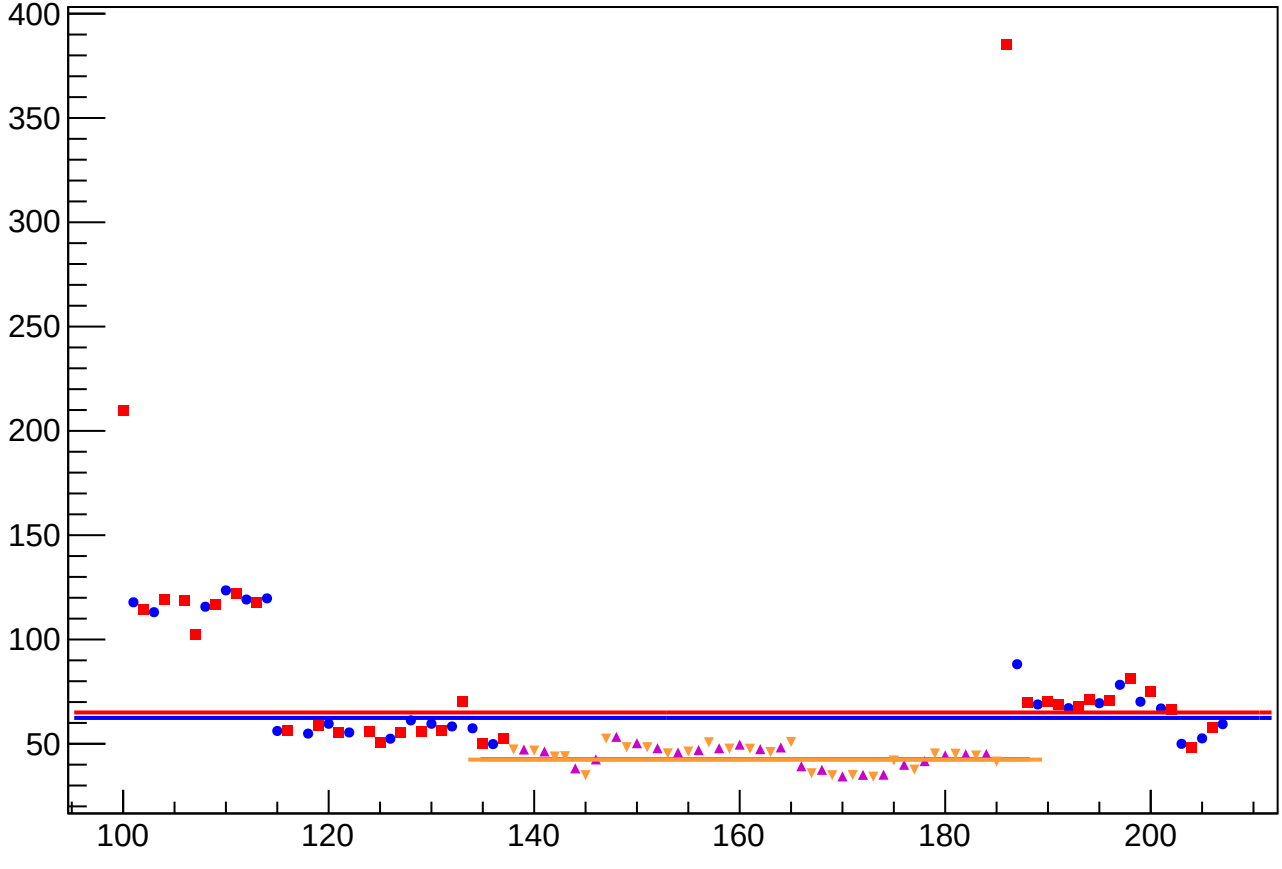
Right: -36.285+/-11.836 χ^2/NDF: 58.2/56

In: -5.483+/-8.627 χ^2/NDF:62.3/48

Out: 24.335+/-8.428 χ^2/NDF:71.8/55

All: 9.774+/-6.029 χ^2/NDF: 140.2/104

dit_asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 62.393+/-0.012 χ^2/NDF: 1683796.4/25

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

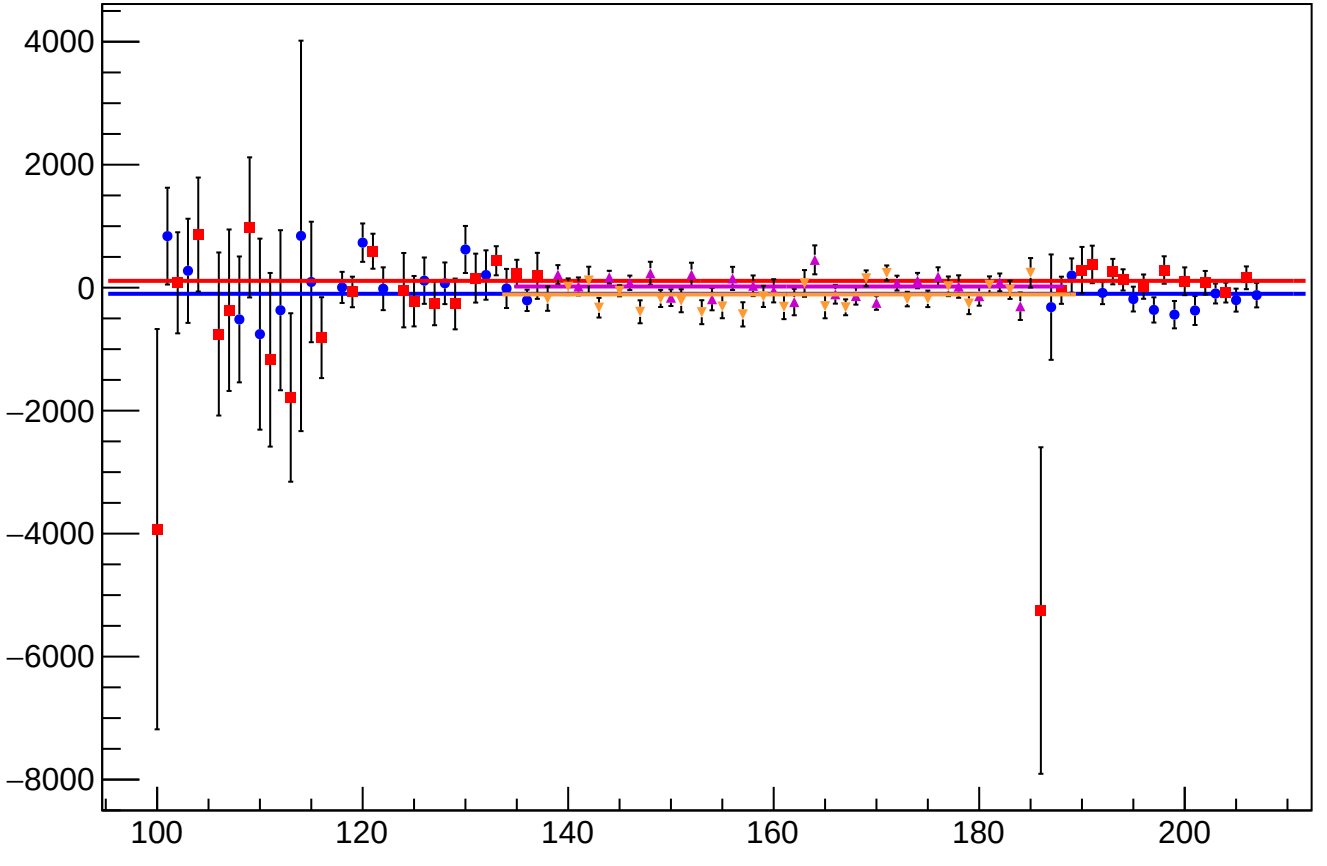
Right: 63.696+/-0.008 χ^2/NDF: 4236492.2/56

In: 47.871+/-0.006 χ^2/NDF:4338907.6/48

Out: 48.120+/-0.006 χ^2/NDF:5935634.0/55

All: 47.999+/-0.004 χ^2/NDF: 10275394.7/104

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -99.616+/-54.660 χ^2/NDF: 21.6/25

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

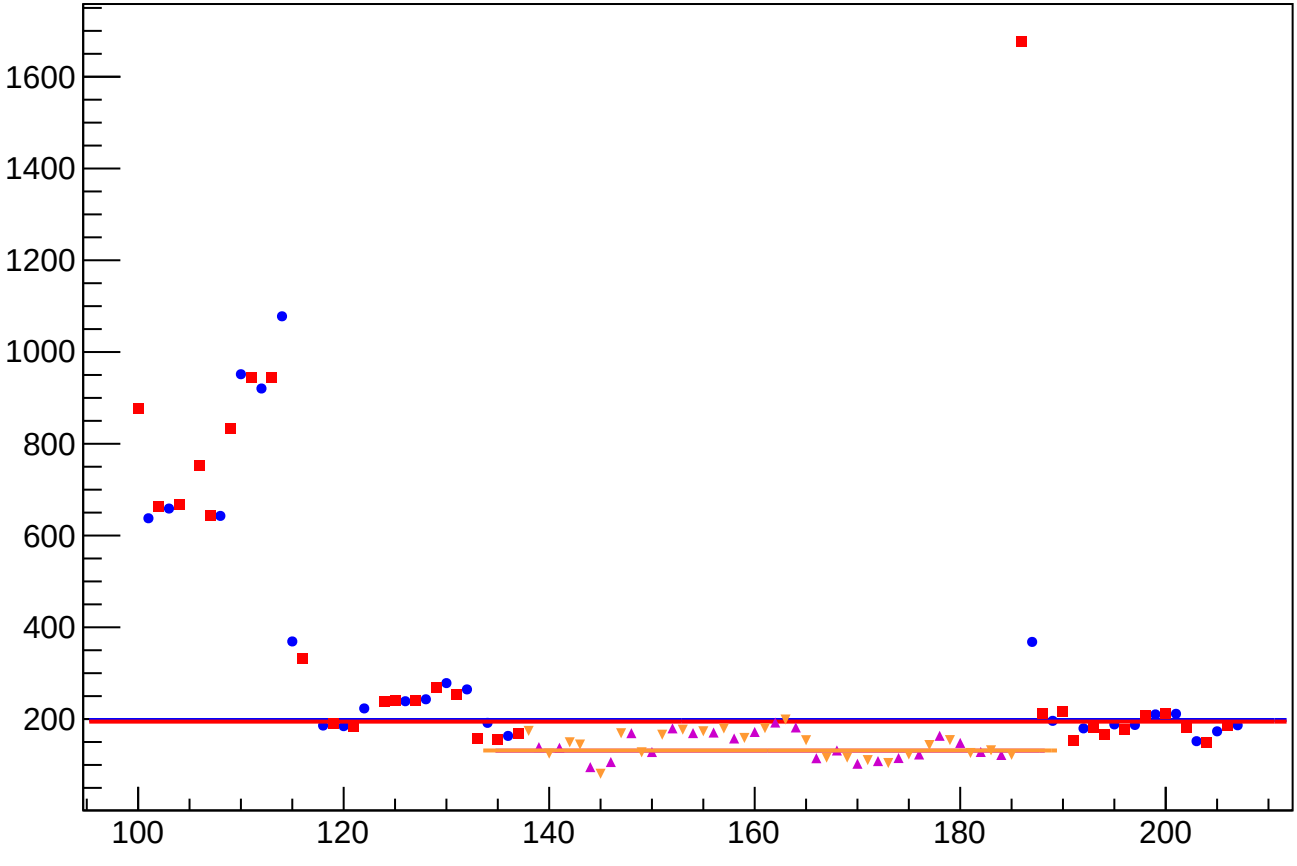
Right: 10.435+/-37.753 χ^2/NDF: 54.1/56

In: -10.661+/-27.277 χ^2/NDF:52.3/48

Out: -53.000+/-26.501 χ^2/NDF:74.3/55

All: -32.441+/-19.007 χ^2/NDF: 127.9/104

asym_sam_37_26_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 197.959+/-0.039 χ^2/NDF: 3522699.1/25

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

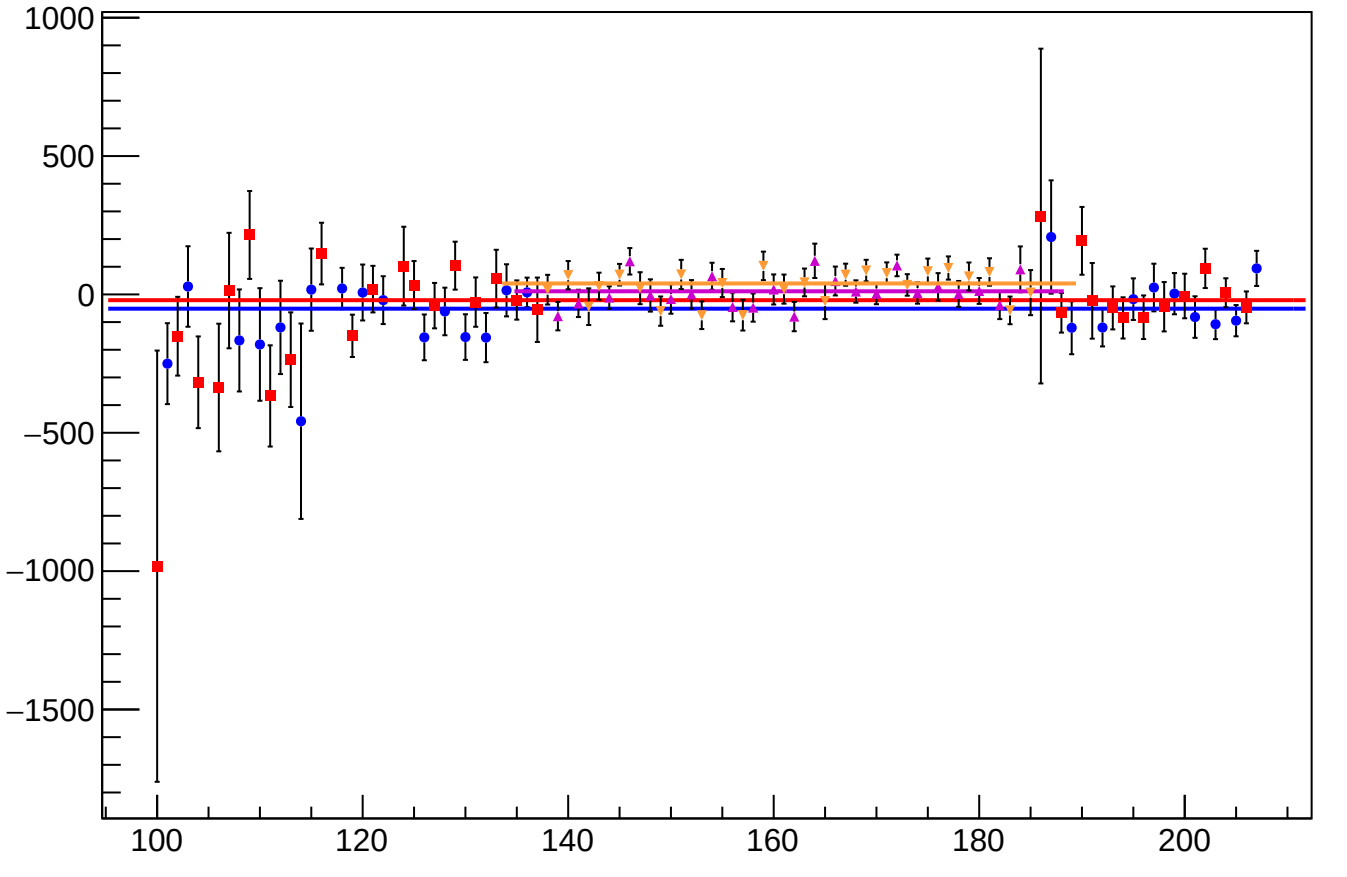
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 196.103+/-0.027 χ^2/NDF: 8493809.1/56

In: 147.731+/-0.019 χ^2/NDF:7239418.7/48

Out: 147.722+/-0.019 χ^2/NDF:9024478.7/55

All: 147.726+/-0.013 χ^2/NDF: 16263897.5/10



Right In: -51.551+/-16.692 χ^2/NDF: 24.0/25

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

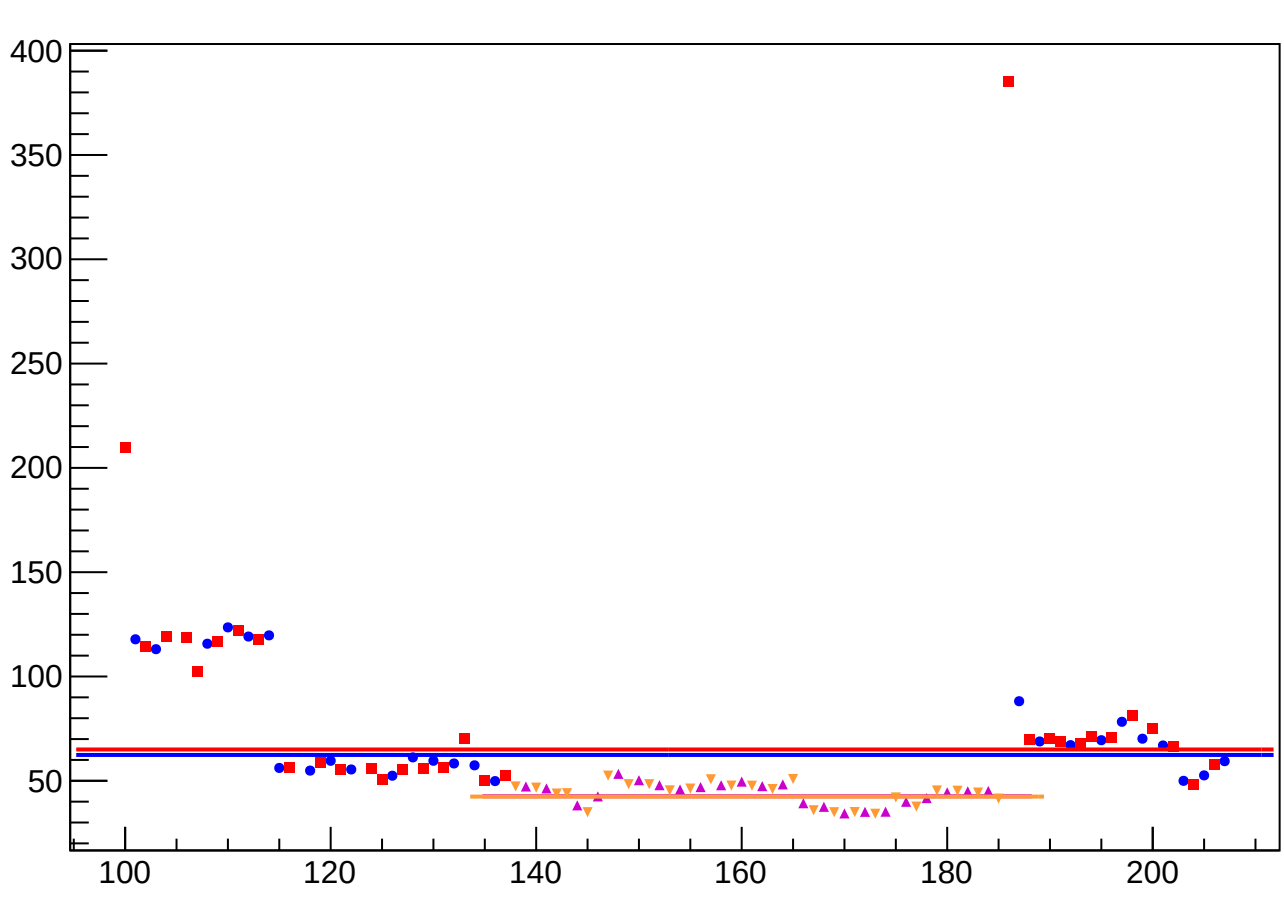
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -36.286+/-11.836 χ^2/NDF: 58.2/56

In: -5.483+/-8.627 χ^2/NDF:62.3/48

Out: 24.336+/-8.428 χ^2/NDF:71.8/55

All: 9.774+/-6.029 χ^2/NDF: 140.2/104



Right In: 62.393+/-0.012 χ^2/NDF: 1683786.7/25

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

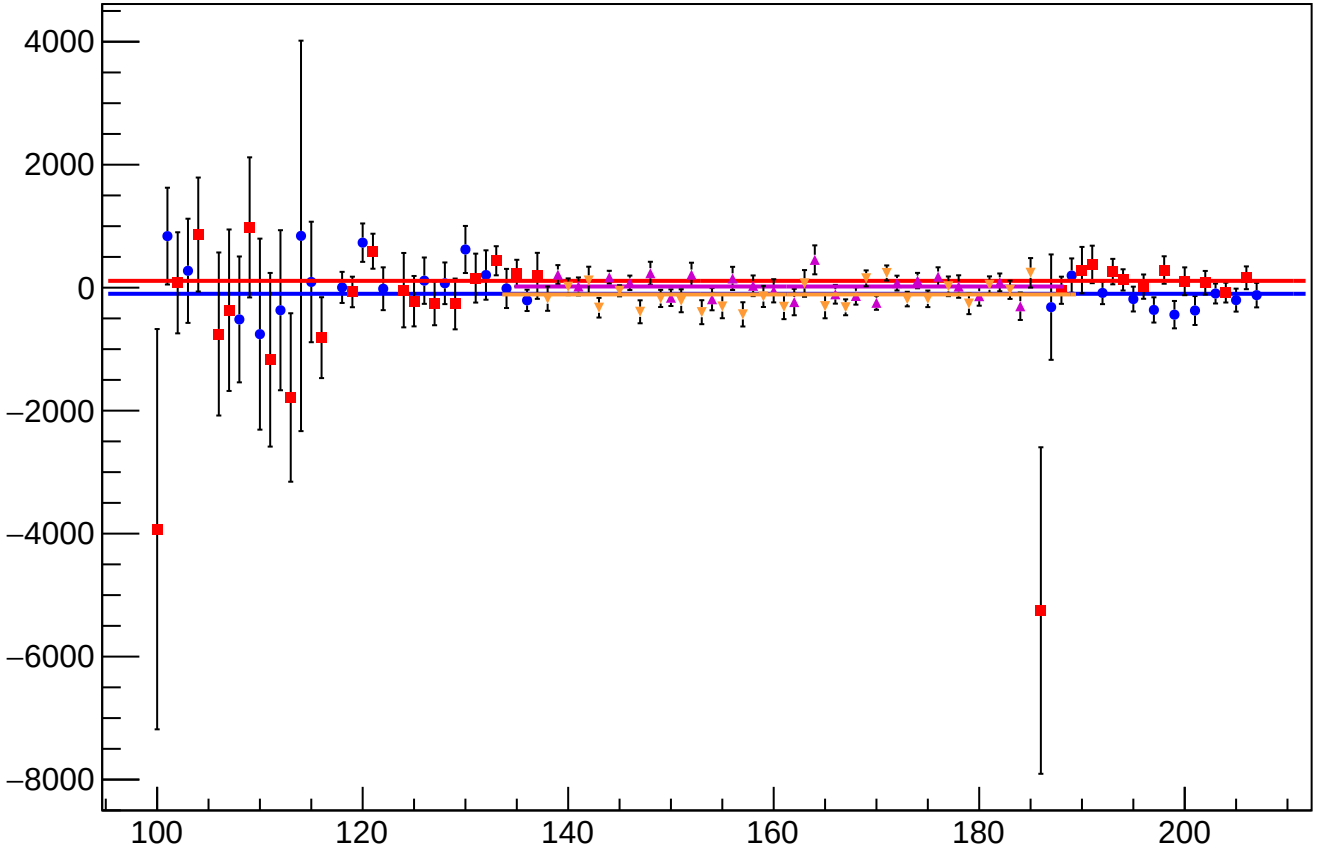
Right: 63.697+/-0.008 χ^2/NDF: 4236463.3/56

In: 47.871+/-0.006 χ^2/NDF:4338887.8/48

Out: 48.120+/-0.006 χ^2/NDF:5935682.9/55

All: 47.999+/-0.004 χ^2/NDF: 10275423.5/104

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -99.616+/-54.660 χ^2/NDF: 21.6/25

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

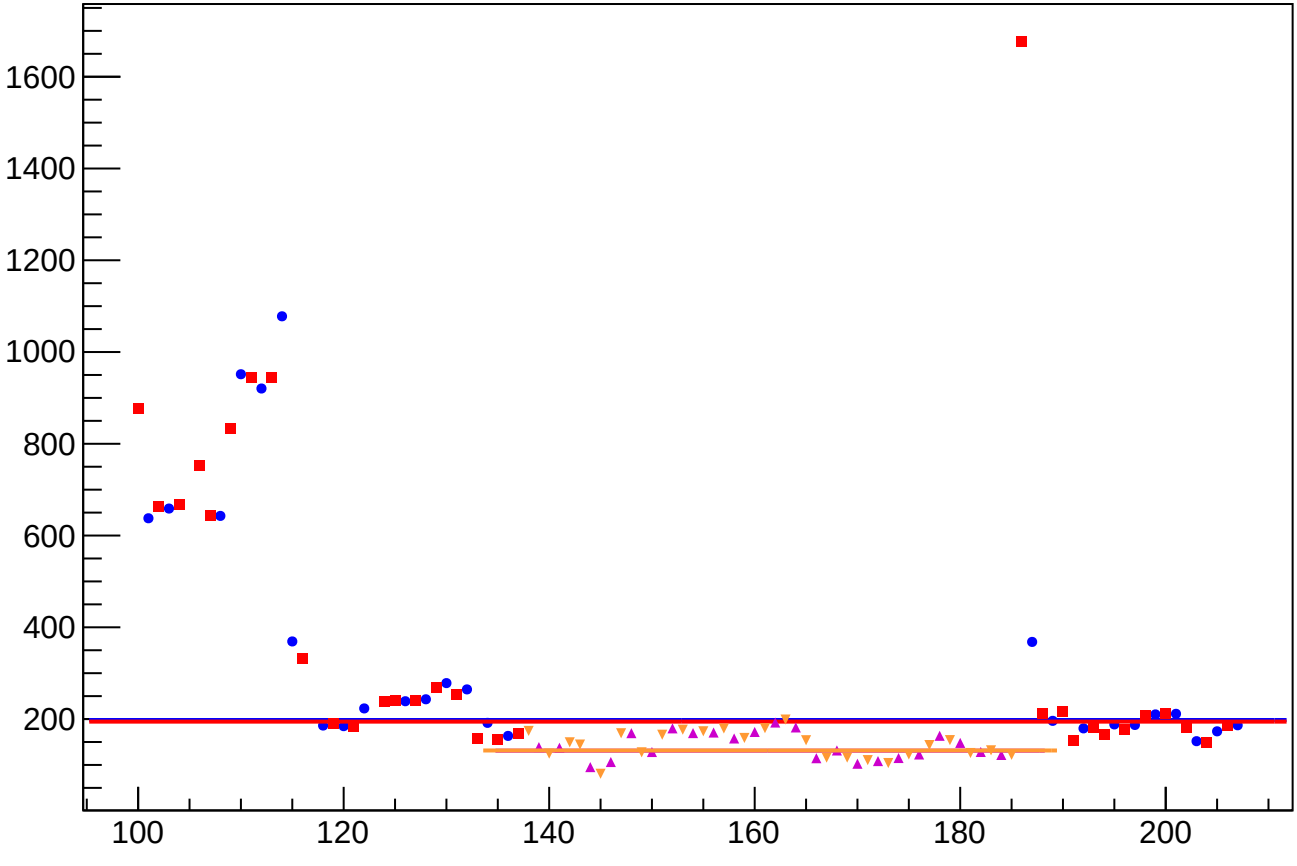
Right: 10.434+/-37.753 χ^2/NDF: 54.1/56

In: -10.661+/-27.277 χ^2/NDF:52.3/48

Out: -52.999+/-26.501 χ^2/NDF:74.3/55

All: -32.441+/-19.007 χ^2/NDF: 127.9/104

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 197.959+/-0.039 χ^2/NDF: 3522690.2/25

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

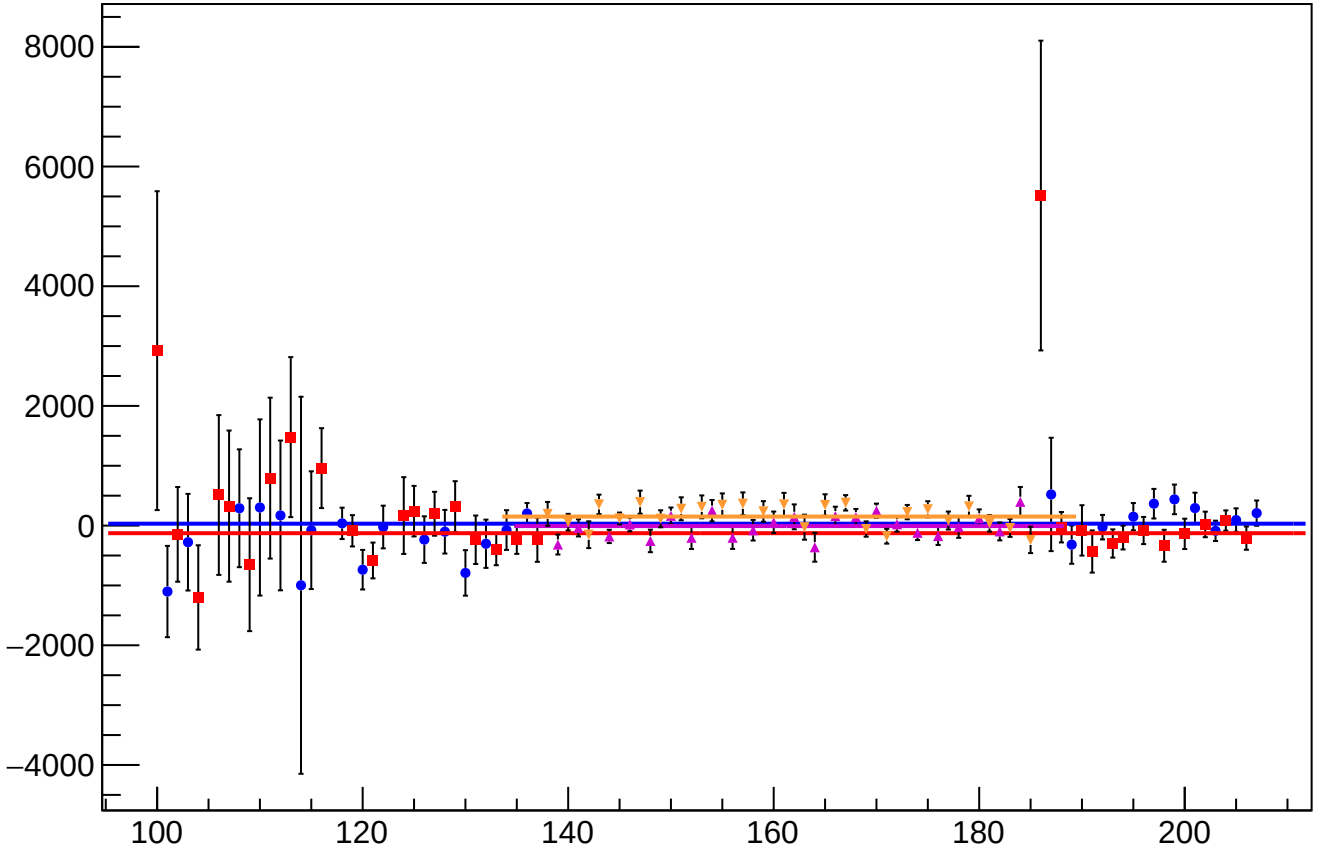
Right: 196.102+/-0.027 χ^2/NDF: 8493802.2/56

In: 147.731+/-0.019 χ^2/NDF:7239373.9/48

Out: 147.722+/-0.019 χ^2/NDF:9024419.8/55

All: 147.726+/-0.013 χ^2/NDF: 16263793.8/10

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 31.870+/-58.506 χ^2/NDF: 23.7/25

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

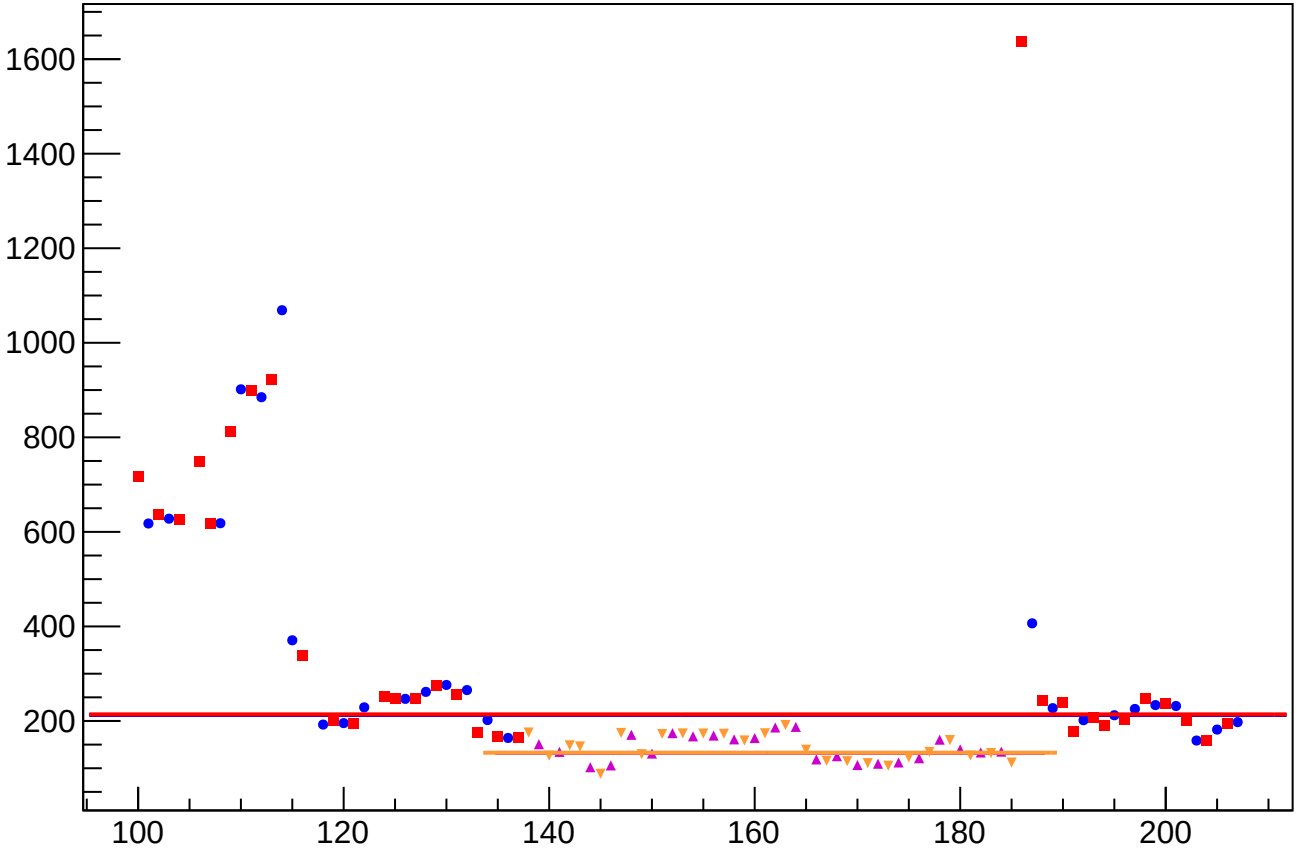
Right: -49.375+/-40.870 χ^2/NDF: 51.3/56

In: 1.059+/-27.818 χ^2/NDF:53.5/48

Out: 88.021+/-27.213 χ^2/NDF:75.2/55

All: 45.497+/-19.453 χ^2/NDF: 133.7/104

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 212.626+/-0.041 χ^2/NDF: 3353195.7/25

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

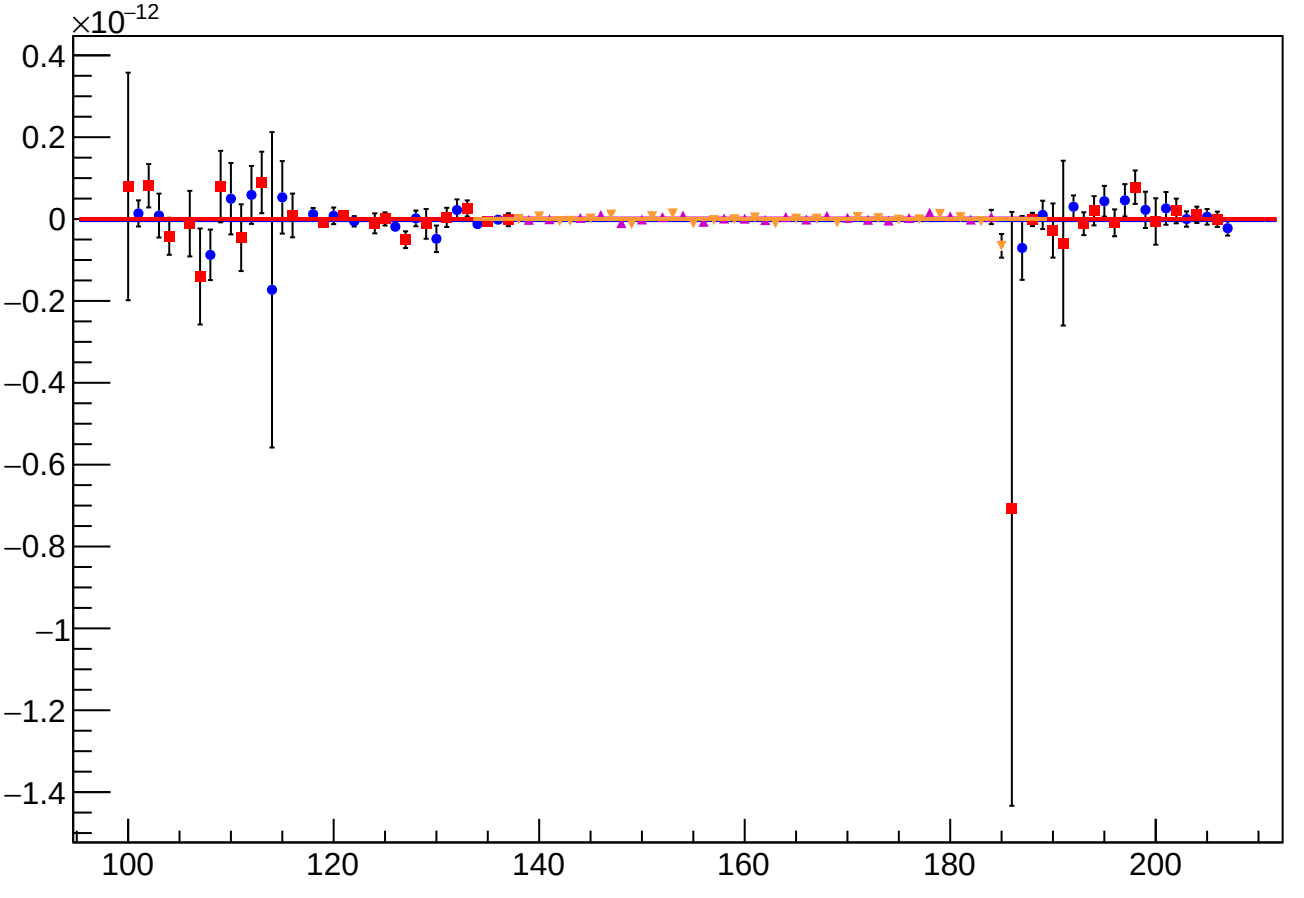
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 213.317+/-0.029 χ^2/NDF: 7964183.0/56

In: 150.492+/-0.020 χ^2/NDF:7545629.4/48

Out: 151.286+/-0.019 χ^2/NDF:9319733.1/55

All: 150.898+/-0.014 χ^2/NDF: 16866193.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 19.1/25

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

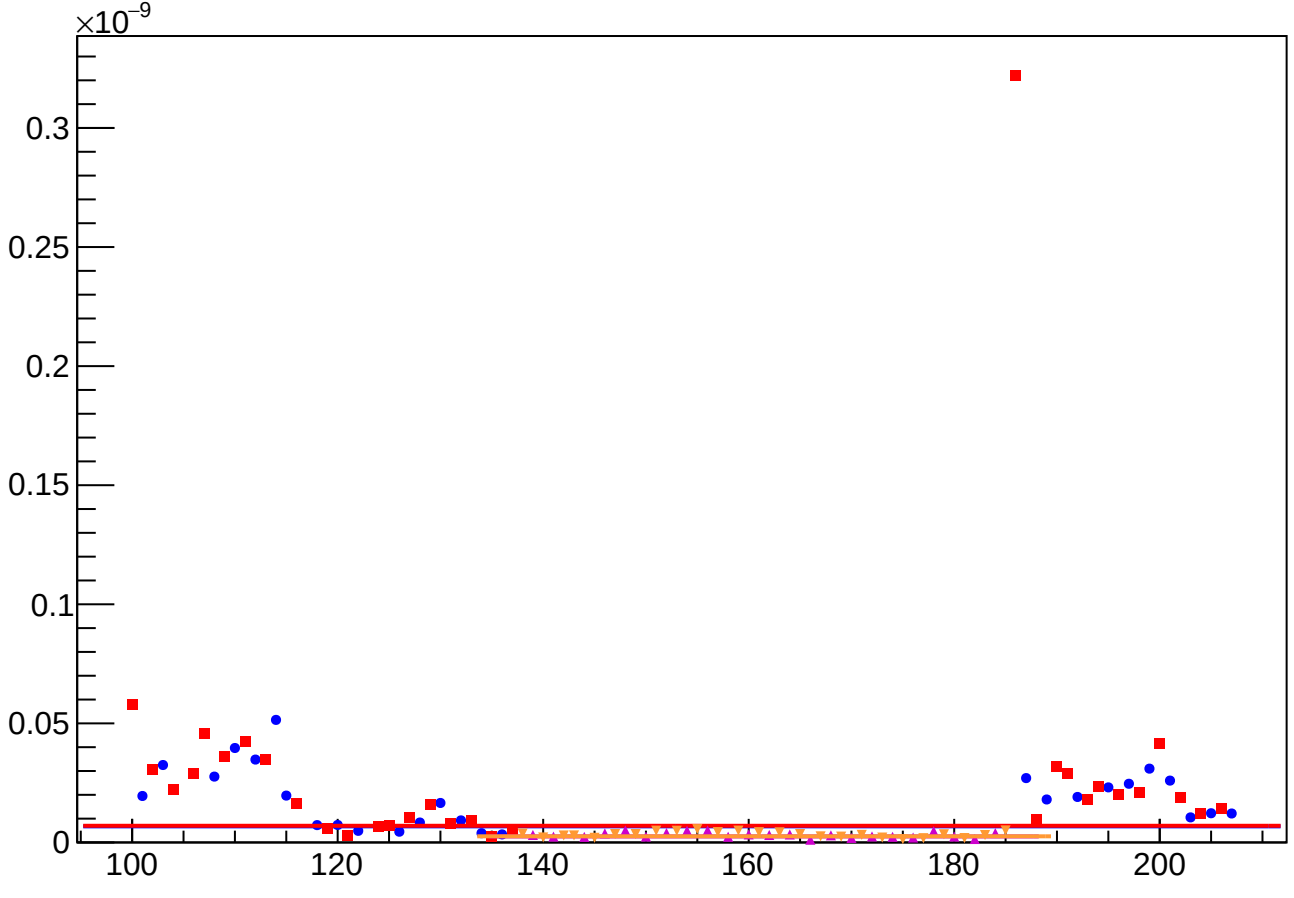
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 43.7/56

In: 0.000+/-0.000 χ^2/NDF:35.2/48

Out: 0.000+/-0.000 χ^2/NDF:56.4/55

All: 0.000+/-0.000 χ^2/NDF: 91.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 6023067.1/25

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

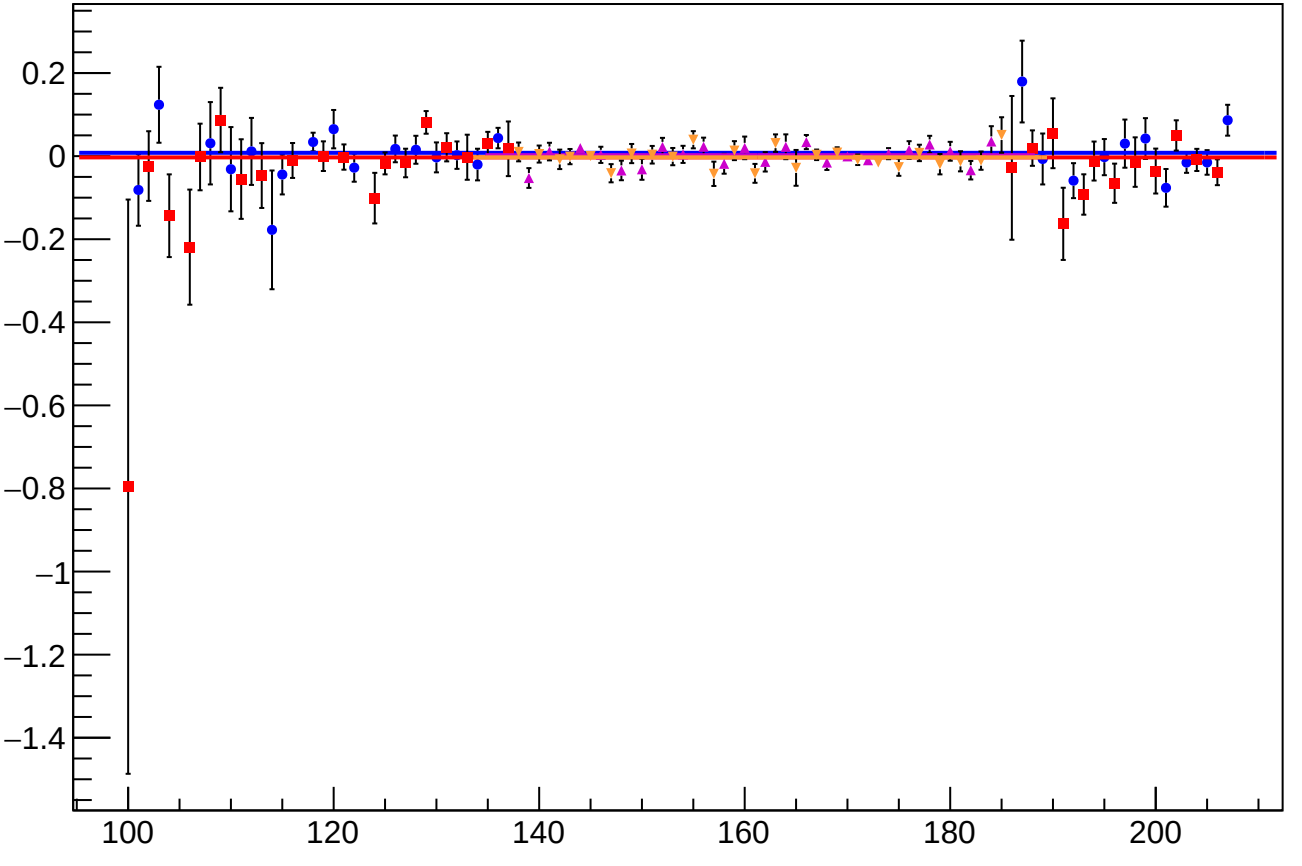
Right: 0.000+/-0.000 χ^2/NDF: 13263353.2/56

In: 0.000+/-0.000 χ^2/NDF:10414530.7/48

Out: 0.000+/-0.000 χ^2/NDF:12241333.8/55

All: 0.000+/-0.000 χ^2/NDF: 22655949.5/104

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.008 χ^2/NDF: 28.4/25

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

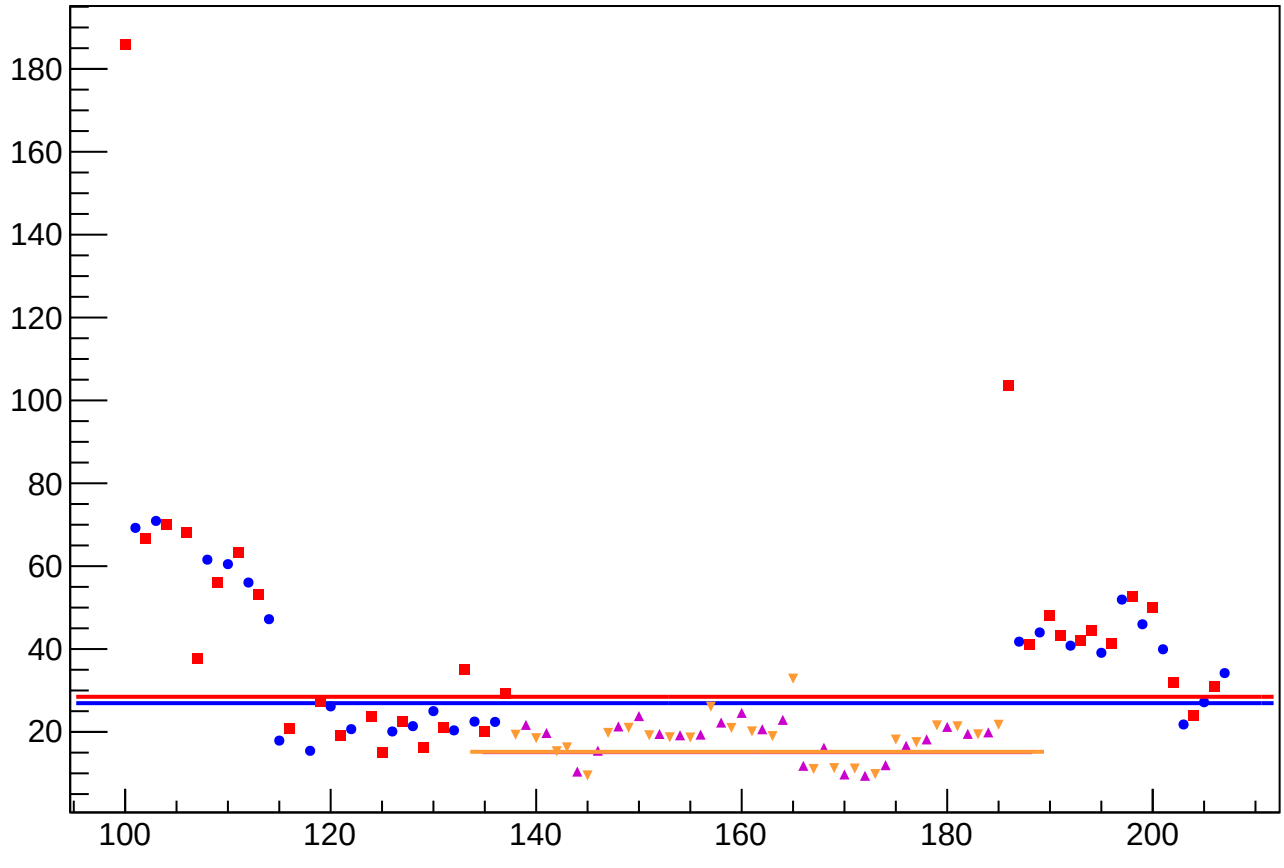
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.003+/-0.006 χ^2/NDF: 64.9/56

In: 0.003+/-0.003 χ^2/NDF:55.8/48

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: 0.000+/-0.002 χ^2/NDF: 115.6/104



Right In: 26.938+/-0.006 χ^2/NDF: 4276705.8/25

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

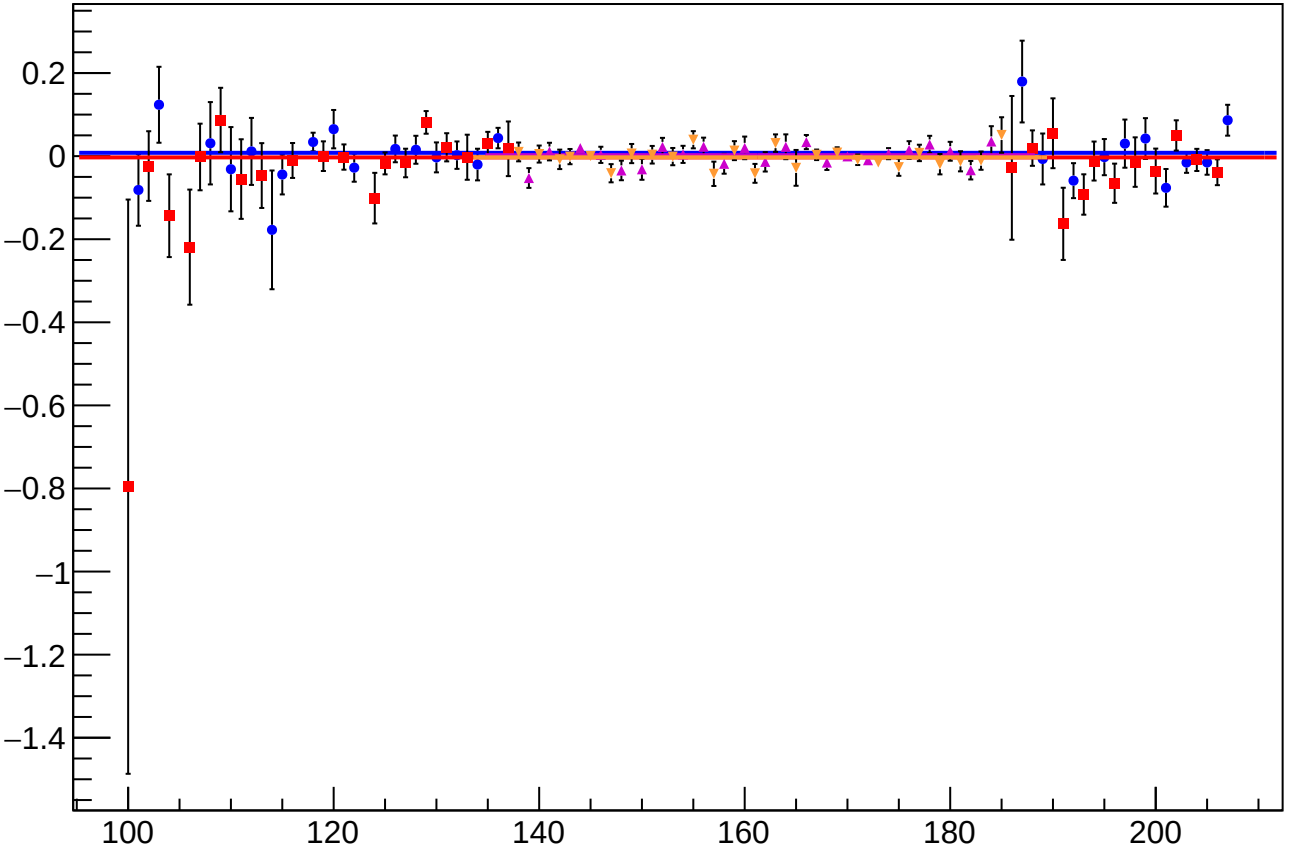
Right: 27.693+/-0.004 χ^2/NDF: 9630791.1/56

In: 17.412+/-0.002 χ^2/NDF:11388278.7/48

Out: 17.576+/-0.002 χ^2/NDF:13350668.9/55

All: 17.496+/-0.002 χ^2/NDF: 24741285.1/104

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.008 χ^2/NDF: 28.4/25

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

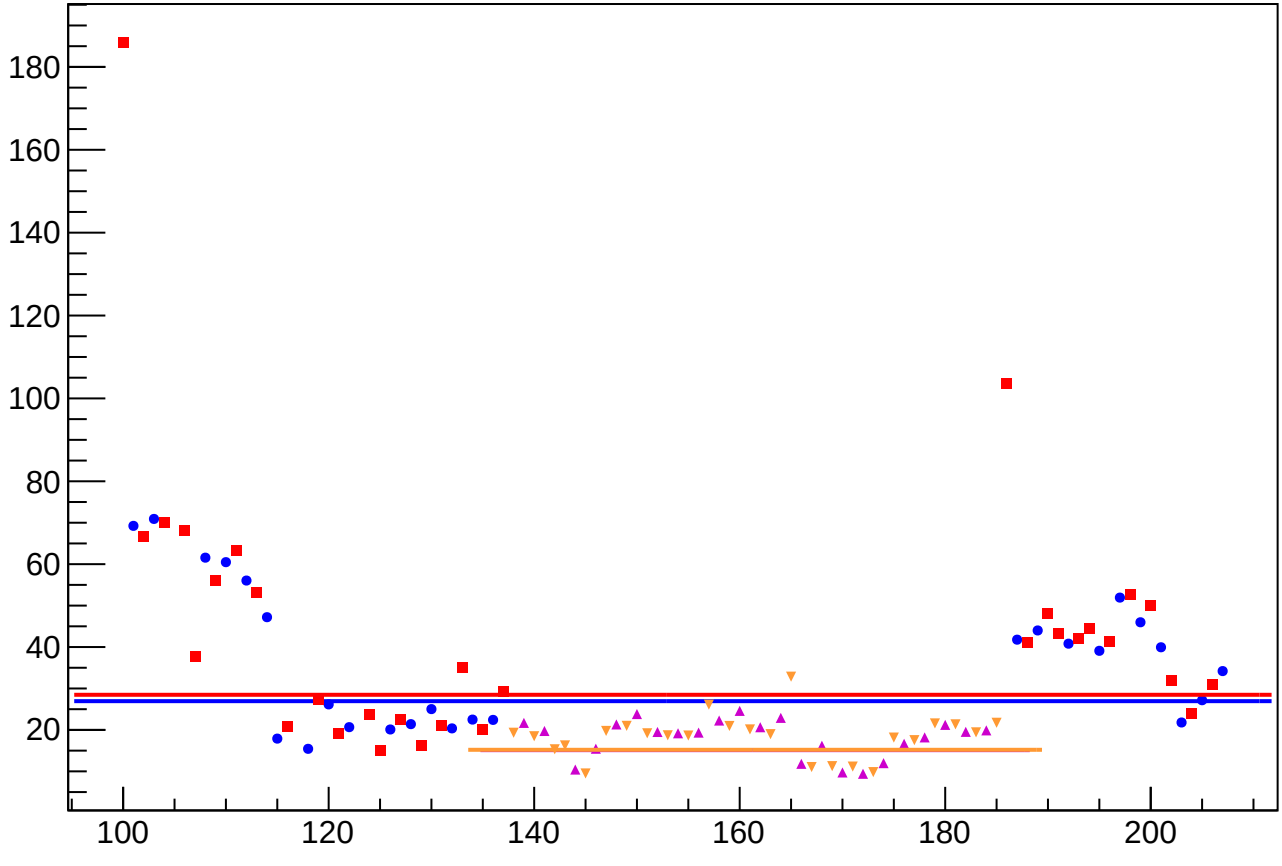
Right: 0.003+/-0.006 χ^2/NDF: 64.9/56

In: 0.003+/-0.003 χ^2/NDF:55.8/48

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: 0.000+/-0.002 χ^2/NDF: 115.6/104

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.938+/-0.006 χ^2/NDF: 4276705.8/25

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

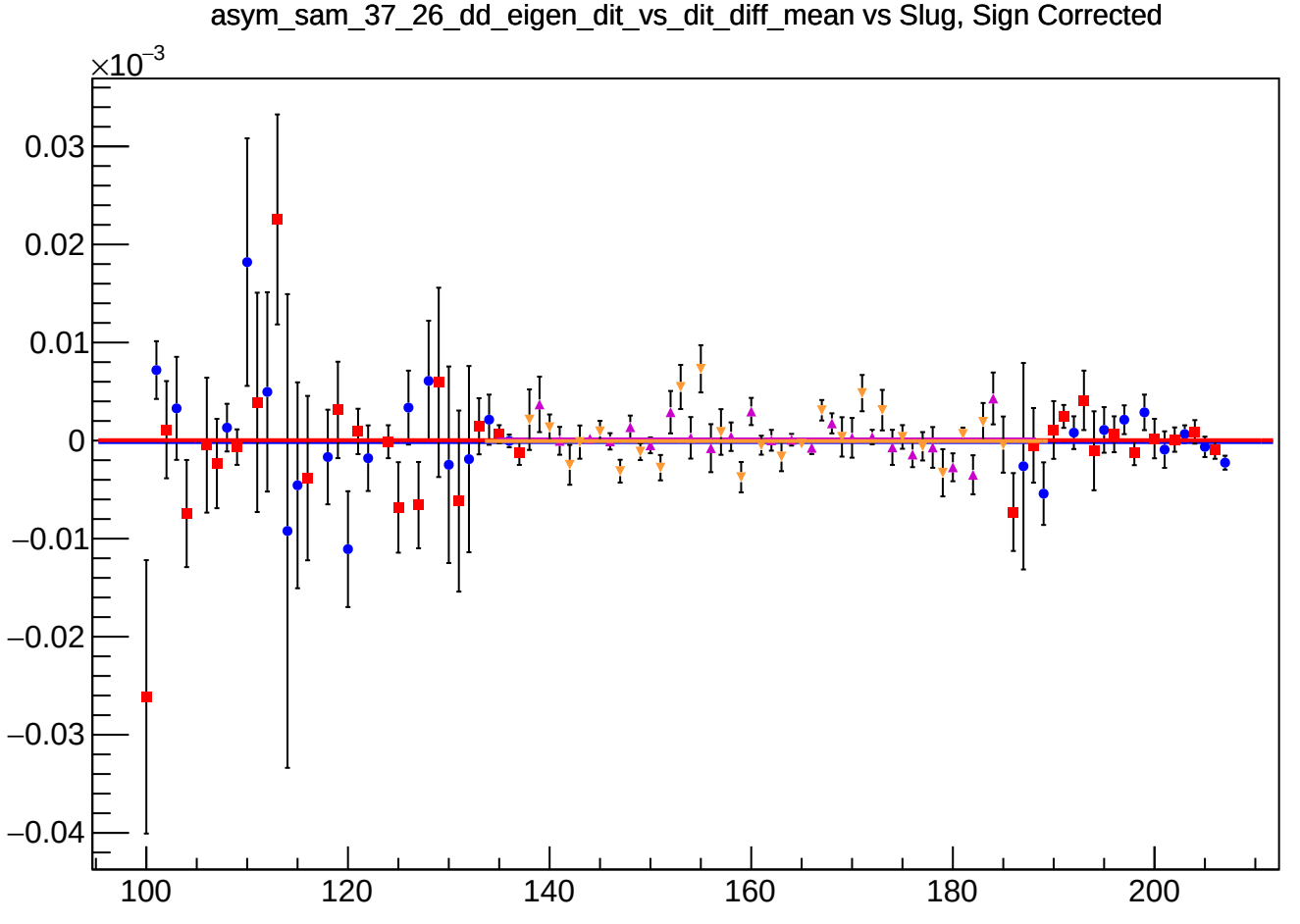
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.693+/-0.004 χ^2/NDF: 9630791.1/56

In: 17.412+/-0.002 χ^2/NDF:11388278.7/48

Out: 17.576+/-0.002 χ^2/NDF:13350668.9/55

All: 17.496+/-0.002 χ^2/NDF: 24741285.1/104



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/25

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

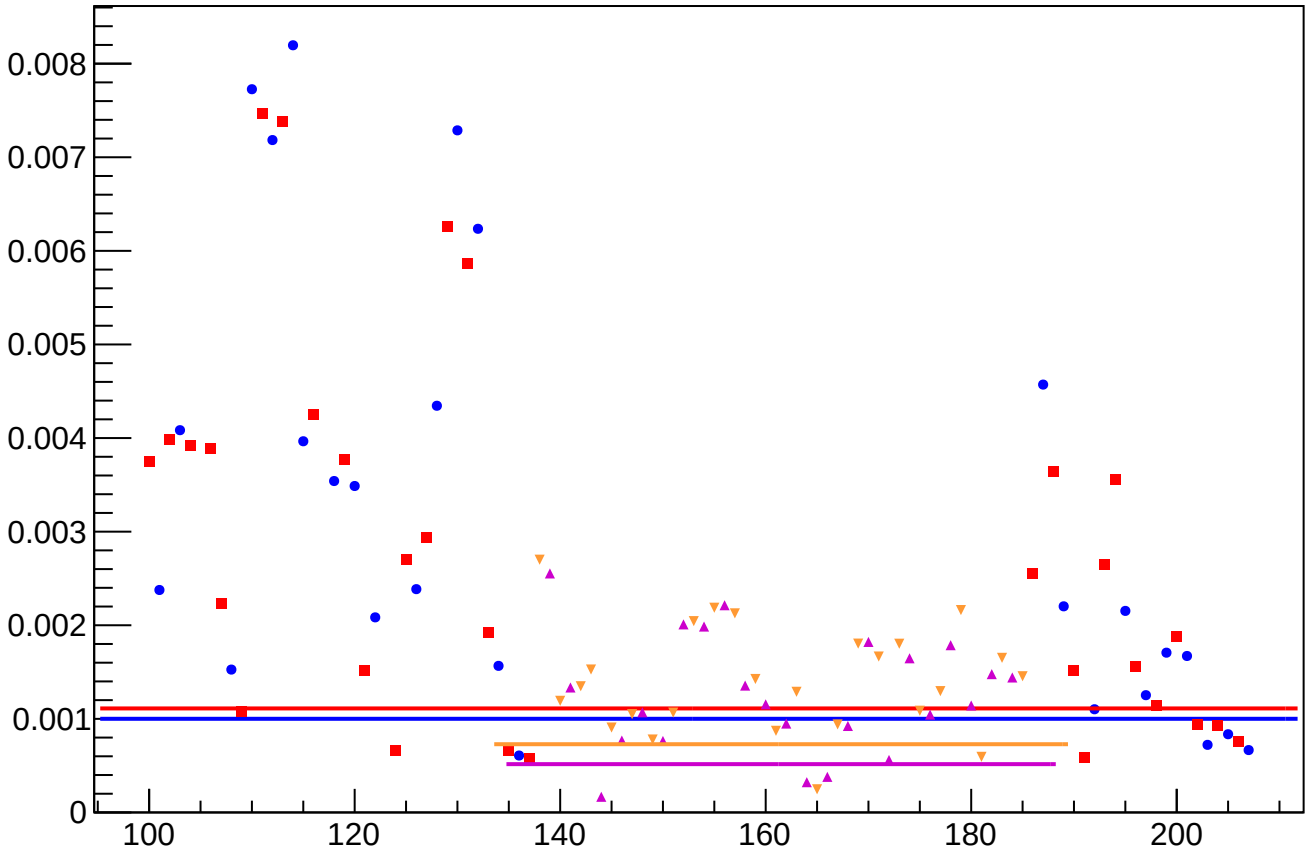
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: -0.000+/-0.000 χ^2/NDF: 65.4/56

In: 0.000+/-0.000 χ^2/NDF:60.8/48

Out: -0.000+/-0.000 χ^2/NDF:93.3/55

All: 0.000+/-0.000 χ^2/NDF: 154.2/104



Right In: 0.001+/-0.000 χ^2/NDF: 9398975.6/25

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

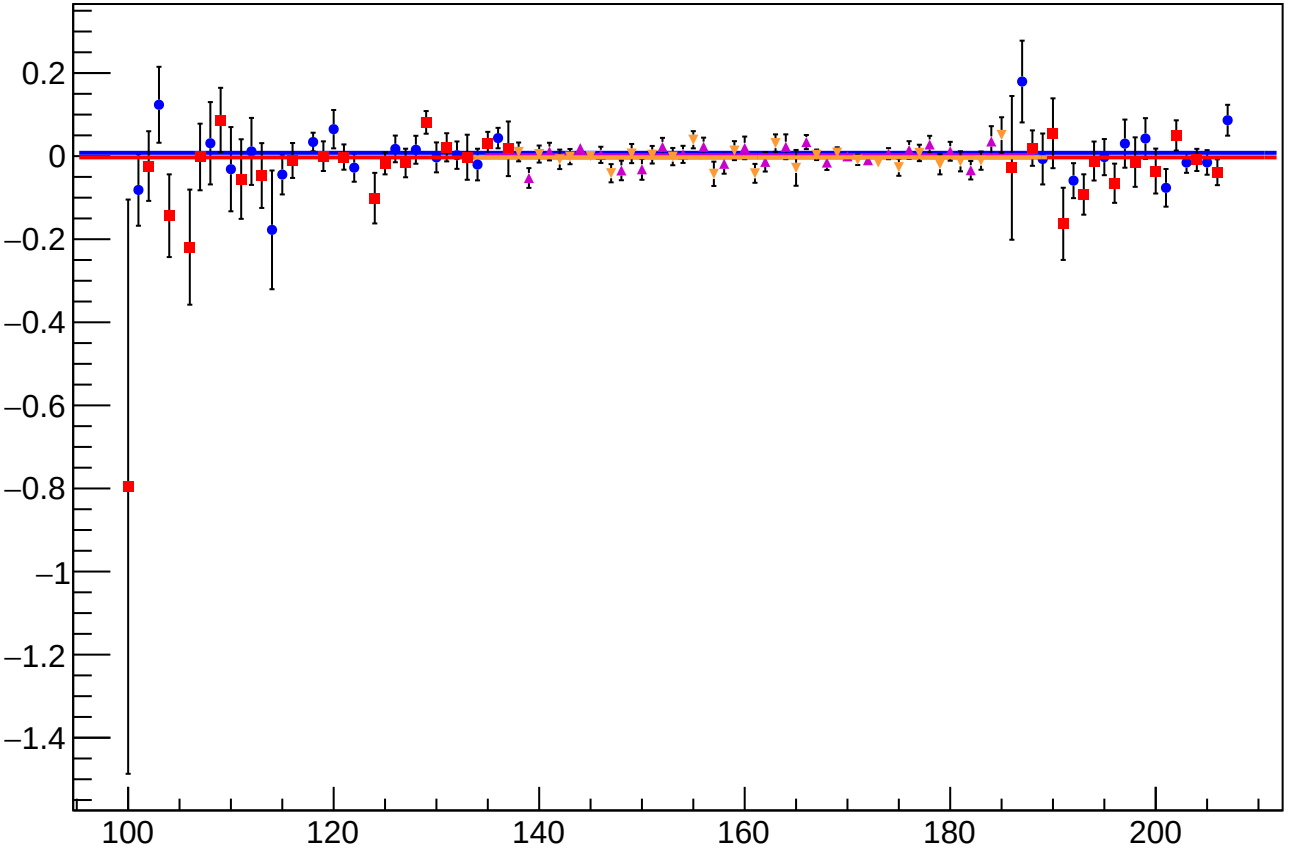
Right: 0.001+/-0.000 χ^2/NDF: 19901067.2/56

In: 0.001+/-0.000 χ^2/NDF:27745837.0/48

Out: 0.001+/-0.000 χ^2/NDF:25233178.0/55

All: 0.001+/-0.000 χ^2/NDF: 54469490.4/104

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.008 χ^2/NDF: 28.4/25

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

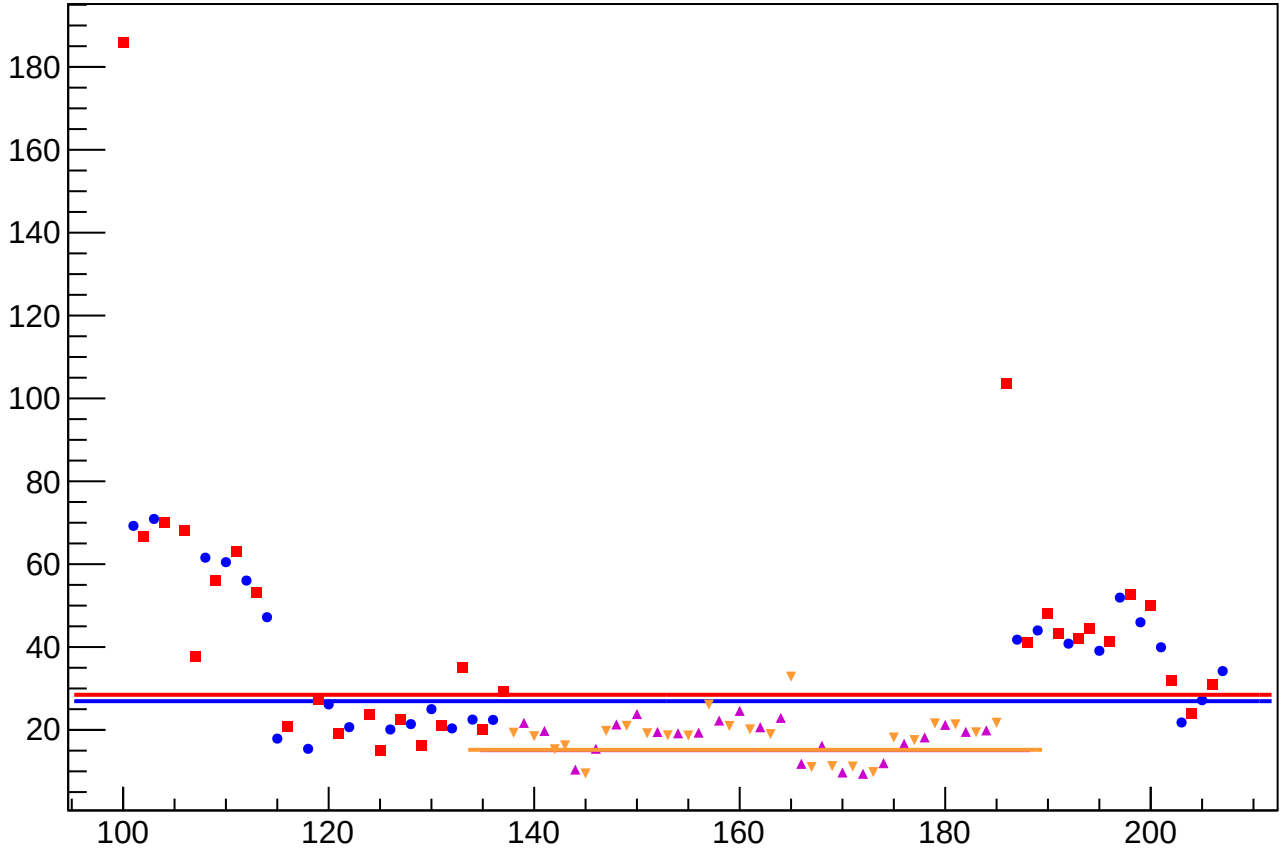
Right: 0.003+/-0.006 χ^2/NDF: 64.9/56

In: 0.003+/-0.003 χ^2/NDF:55.8/48

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: 0.000+/-0.002 χ^2/NDF: 115.6/104

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.938+/-0.006 χ^2/NDF: 4277033.7/25

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

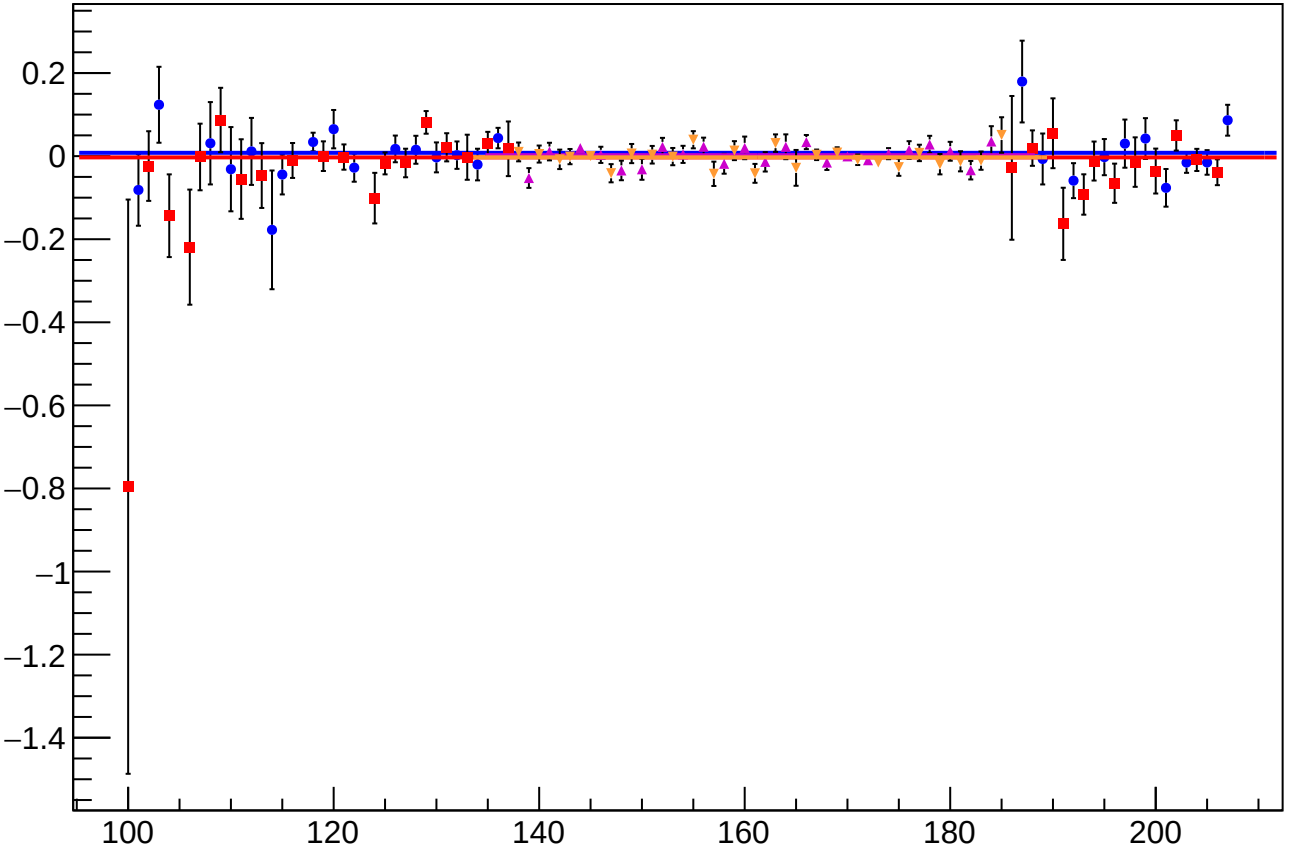
Right: 27.693+/-0.004 χ^2/NDF: 9631350.7/56

In: 17.412+/-0.002 χ^2/NDF:11388164.5/48

Out: 17.576+/-0.002 χ^2/NDF:13350791.9/55

All: 17.496+/-0.002 χ^2/NDF: 24741294.1/104

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.008+/-0.008 χ^2/NDF: 28.4/25

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

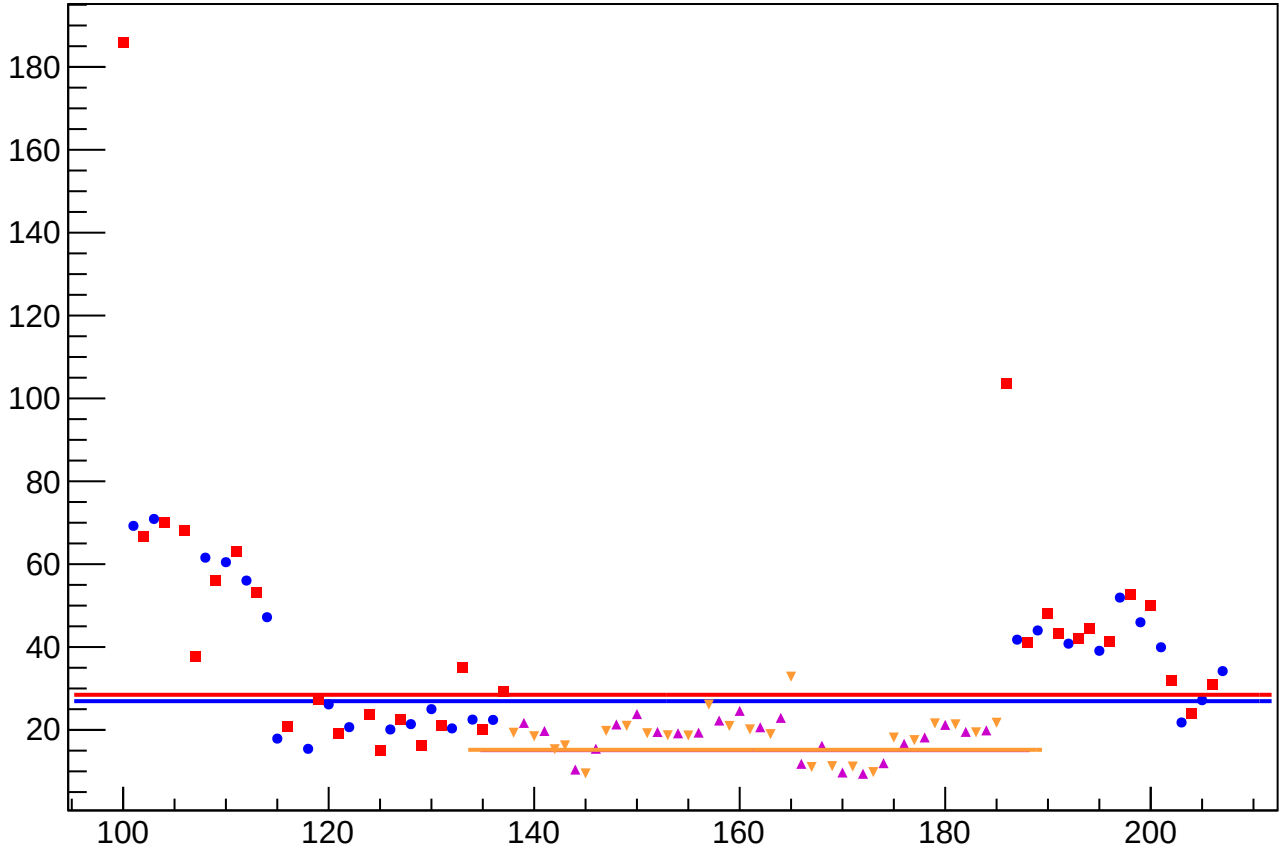
Right: 0.003+/-0.006 χ^2/NDF: 64.9/56

In: 0.003+/-0.003 χ^2/NDF:55.8/48

Out: -0.003+/-0.003 χ^2/NDF:58.1/55

All: 0.000+/-0.002 χ^2/NDF: 115.6/104

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.938+/-0.006 χ^2/NDF: 4277033.7/25

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

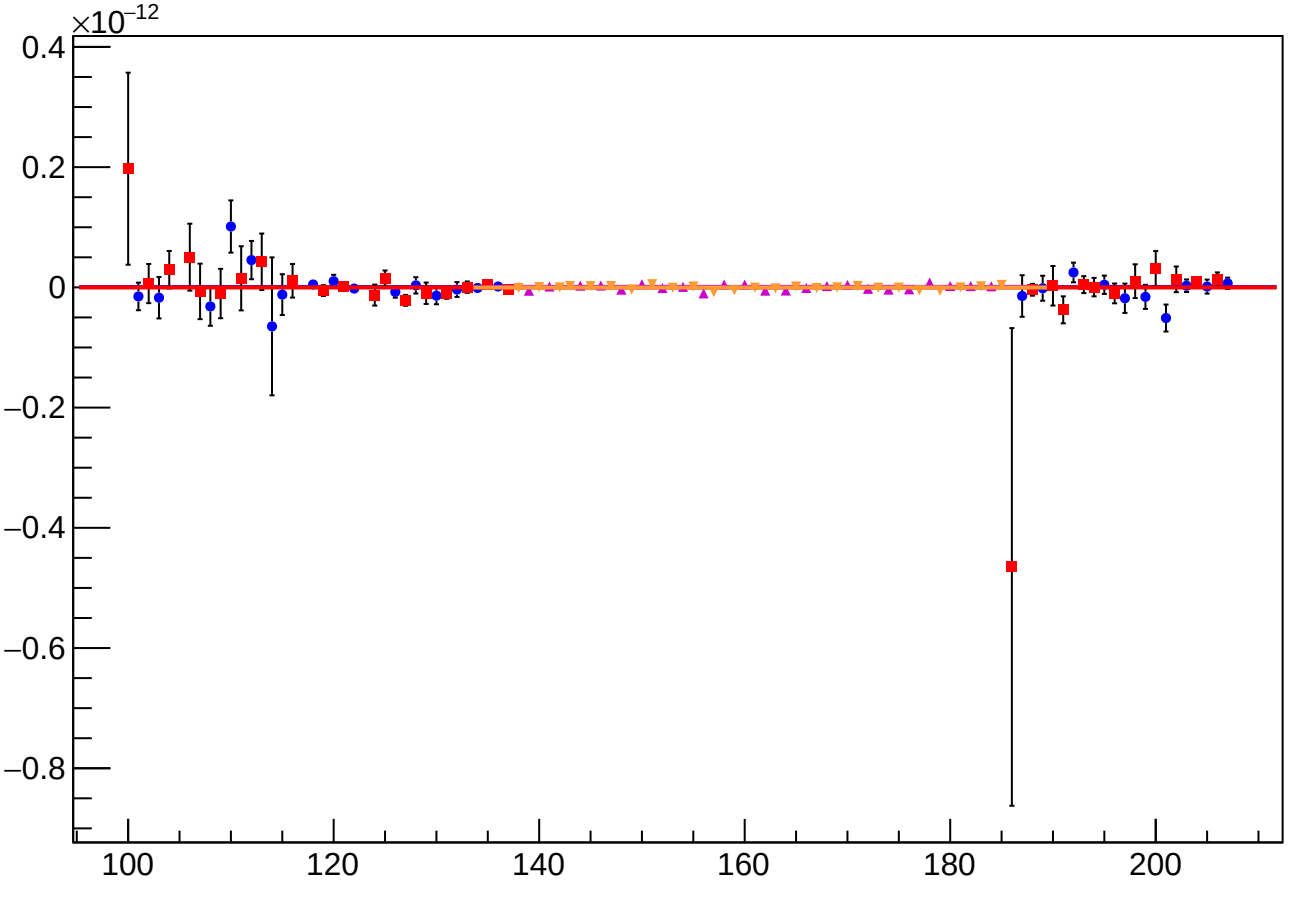
Right: 27.693+/-0.004 χ^2/NDF: 9631350.7/56

In: 17.412+/-0.002 χ^2/NDF:11388164.5/48

Out: 17.576+/-0.002 χ^2/NDF:13350791.9/55

All: 17.496+/-0.002 χ^2/NDF: 24741294.1/104

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/25

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

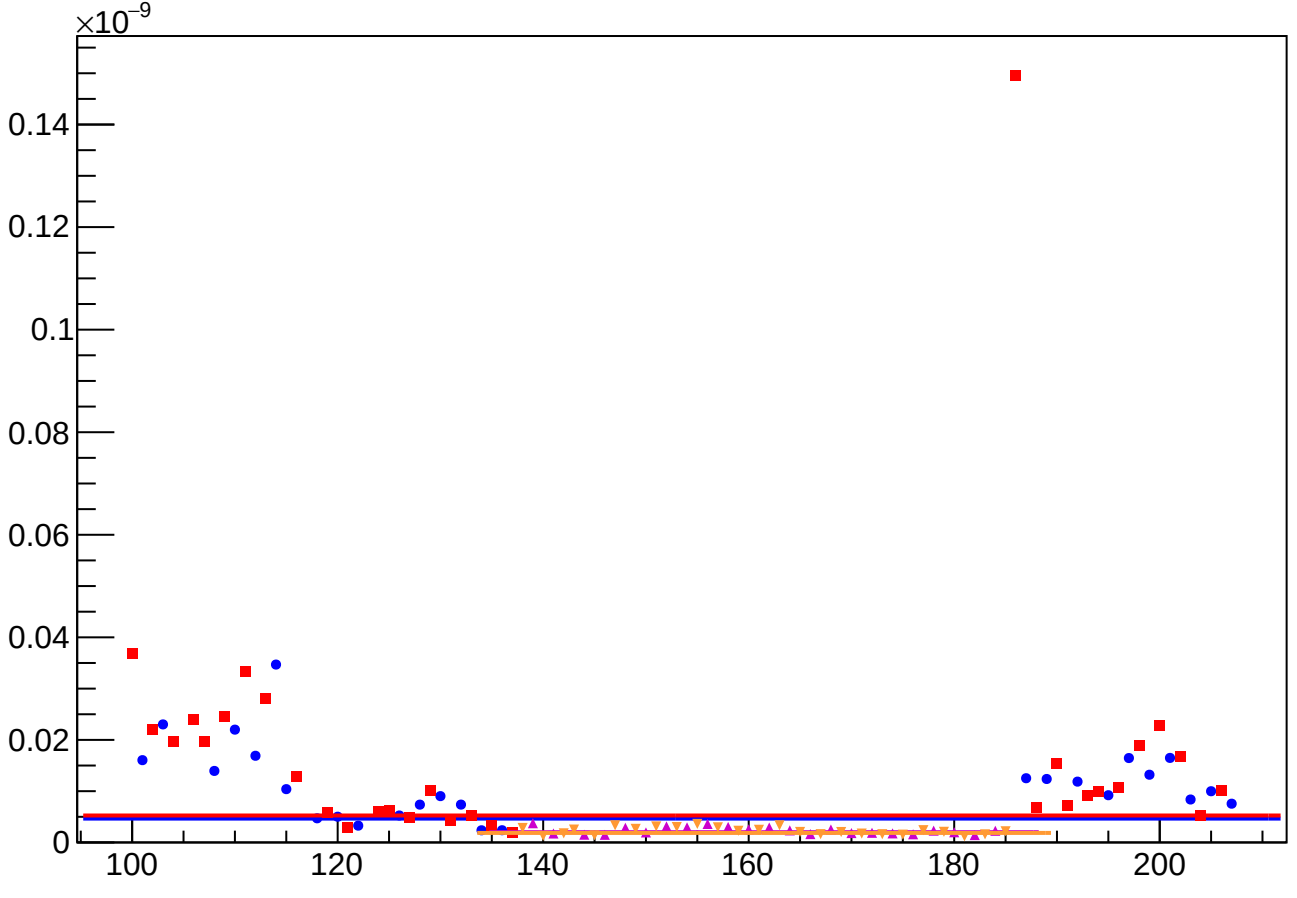
Right: 0.000+/-0.000 χ^2/NDF: 48.3/56

In: 0.000+/-0.000 χ^2/NDF:61.9/48

Out: -0.000+/-0.000 χ^2/NDF:47.3/55

All: 0.000+/-0.000 χ^2/NDF: 111.1/104

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7281366.3/25

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

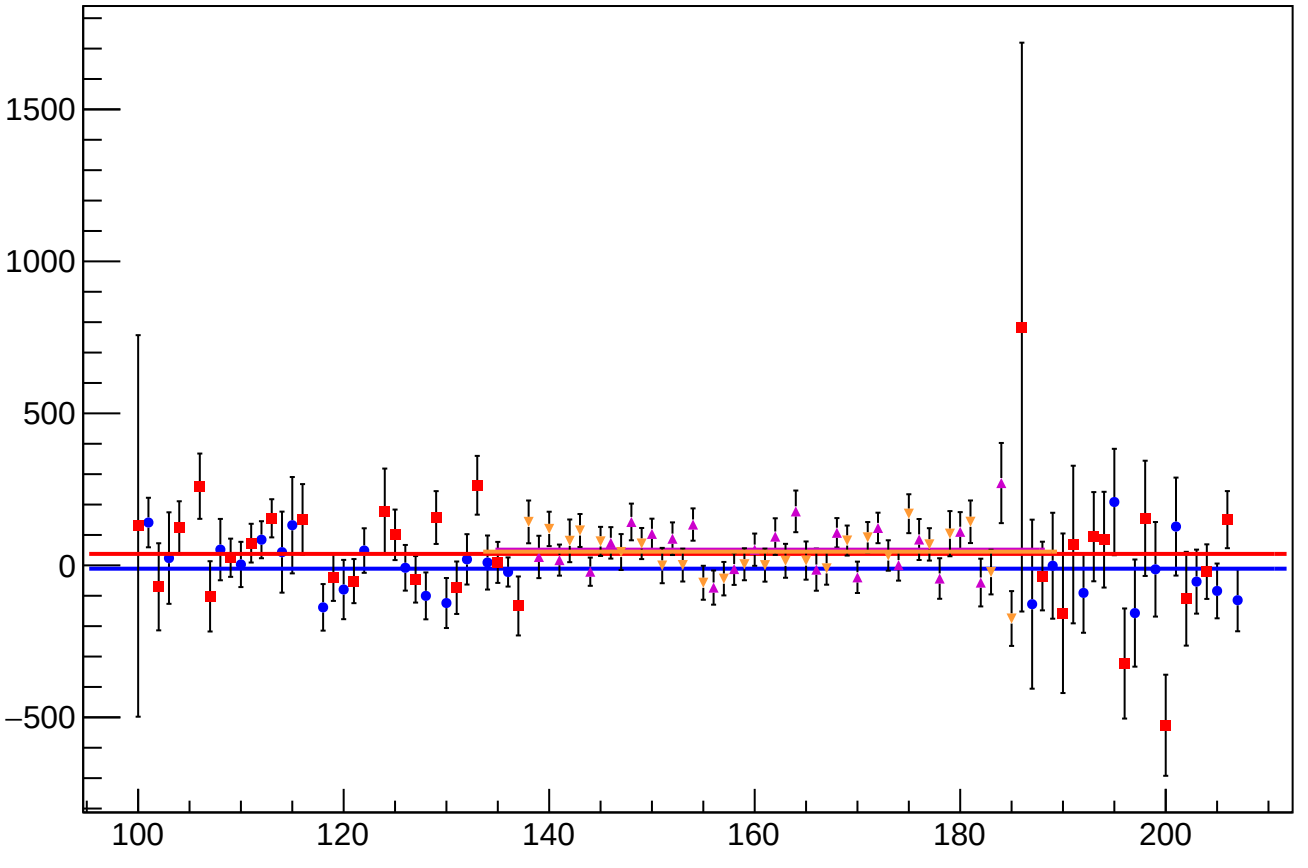
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 15501172.3/56

In: 0.000+/-0.000 χ^2/NDF:12848813.4/48

Out: 0.000+/-0.000 χ^2/NDF:15904013.9/55

All: 0.000+/-0.000 χ^2/NDF: 28840471.6/104



Right In: -10.963+/-18.080 χ^2/NDF: 20.2/25

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

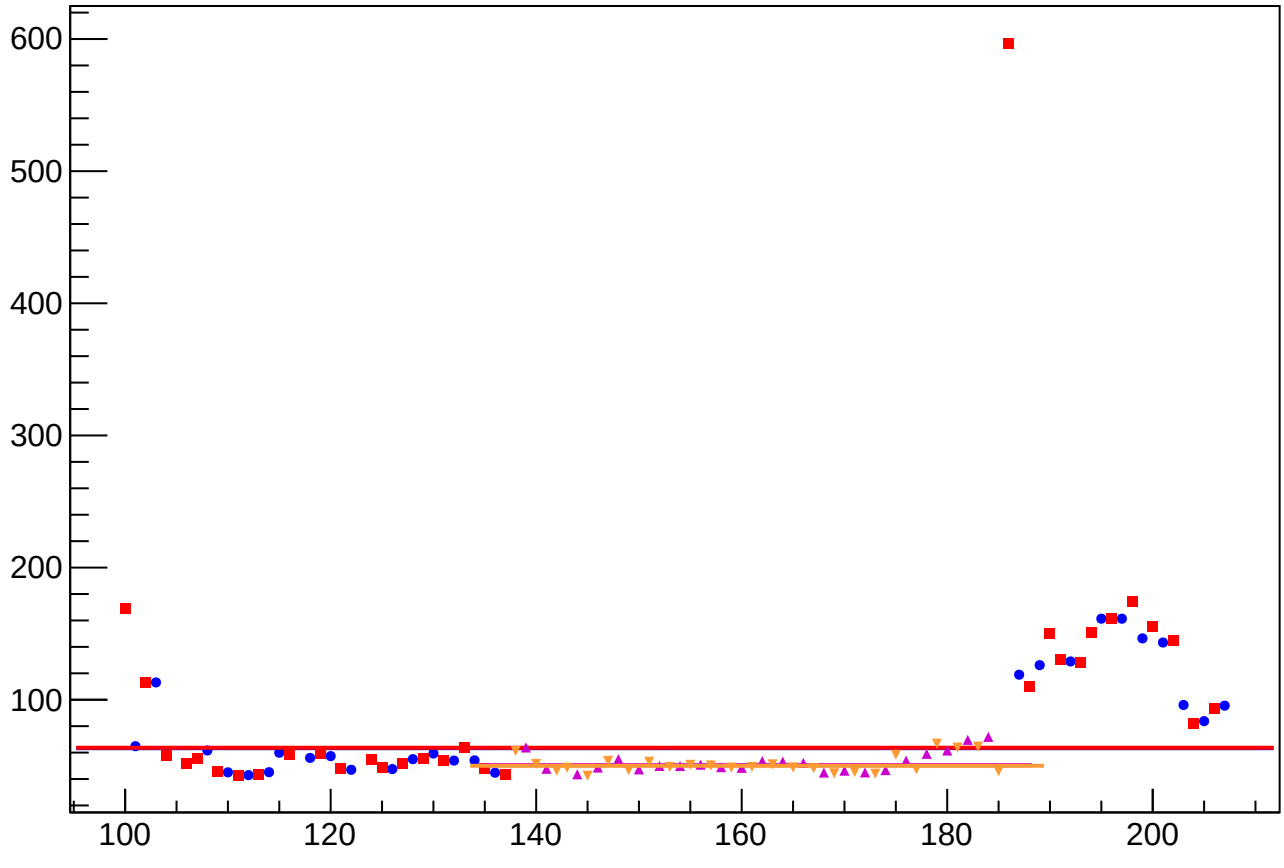
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 13.783+/-12.673 χ^2/NDF: 74.0/56

In: 32.637+/-9.957 χ^2/NDF:64.4/48

Out: 42.908+/-9.651 χ^2/NDF:81.7/55

All: 37.932+/-6.930 χ^2/NDF: 146.6/104



Right In: 63.332+/-0.013 χ^2/NDF: 4835183.7/25

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

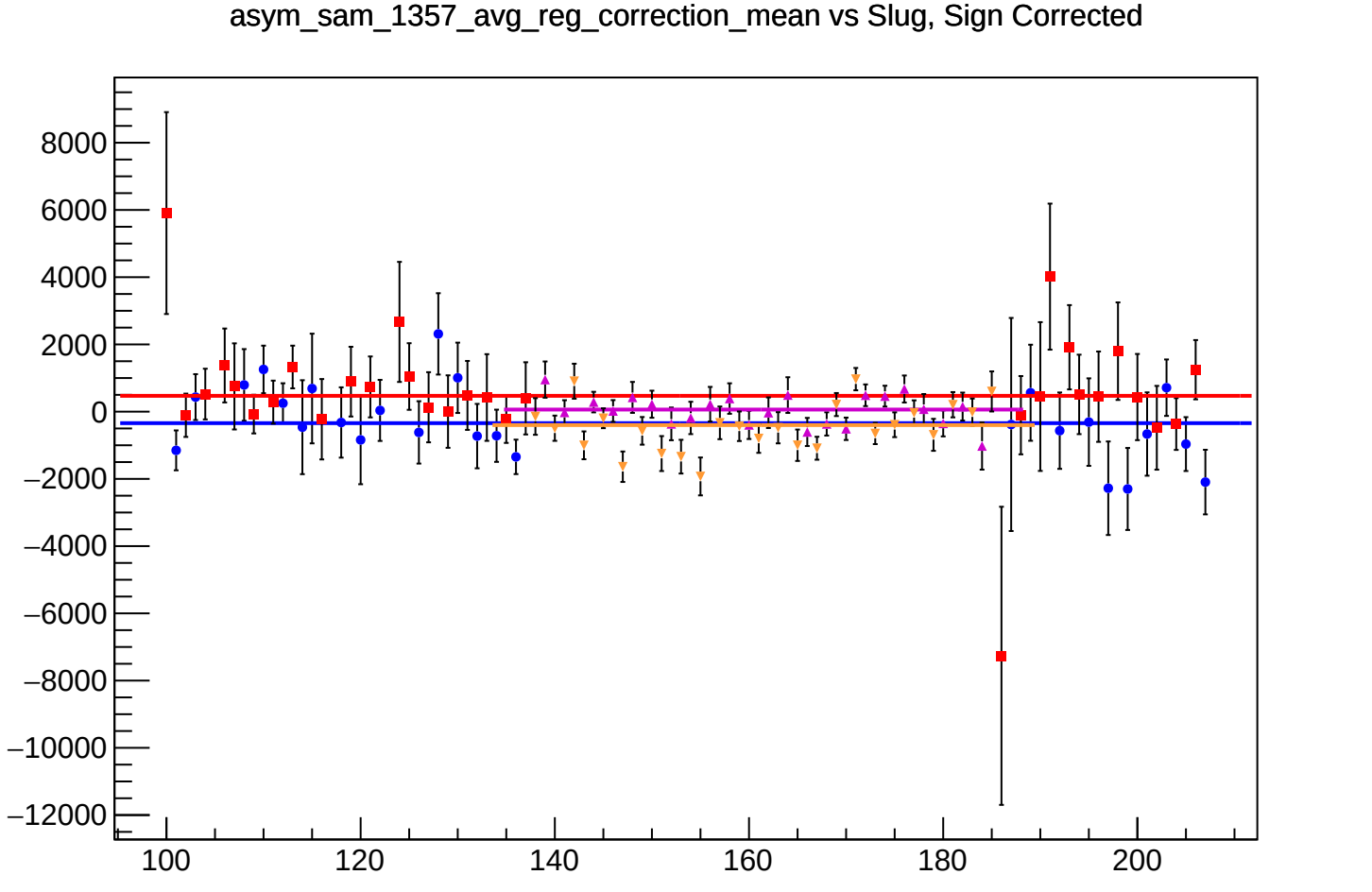
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 63.502+/-0.009 χ^2/NDF: 11281179.3/56

In: 54.400+/-0.007 χ^2/NDF:6039177.7/48

Out: 54.047+/-0.007 χ^2/NDF:7786263.4/55

All: 54.218+/-0.005 χ^2/NDF: 13826740.9/104



Right In: -341.776+/-178.277 χ^2/NDF: 32.4/25

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

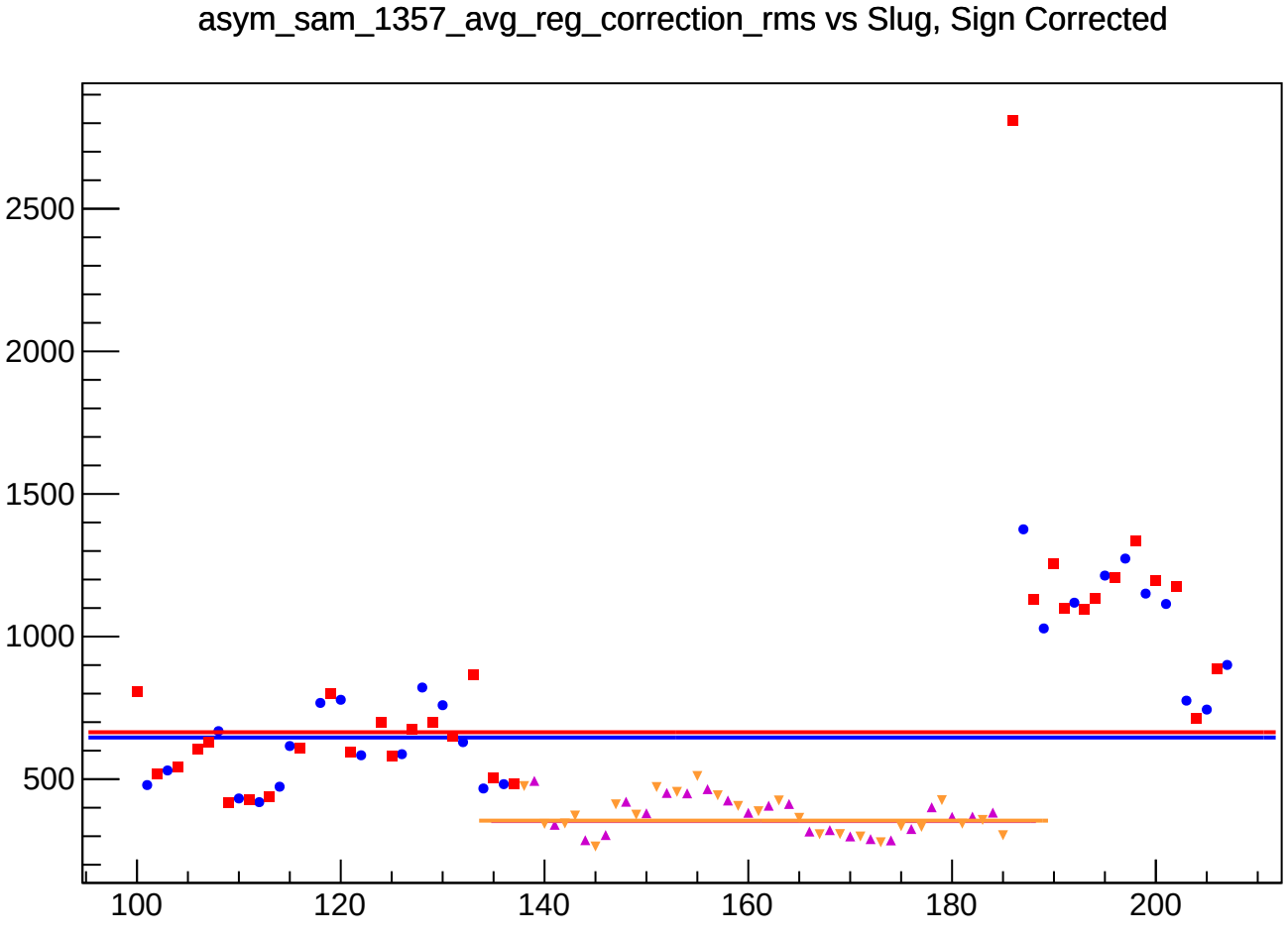
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 67.176+/-125.667 χ^2/NDF: 64.9/56

In: -11.171+/-75.908 χ^2/NDF:60.6/48

Out: -245.603+/-74.463 χ^2/NDF:107.3/55

All: -130.639+/-53.157 χ^2/NDF: 172.7/104



Right In: 646.109+/-0.126 χ^2/NDF: 3389211.0/25

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

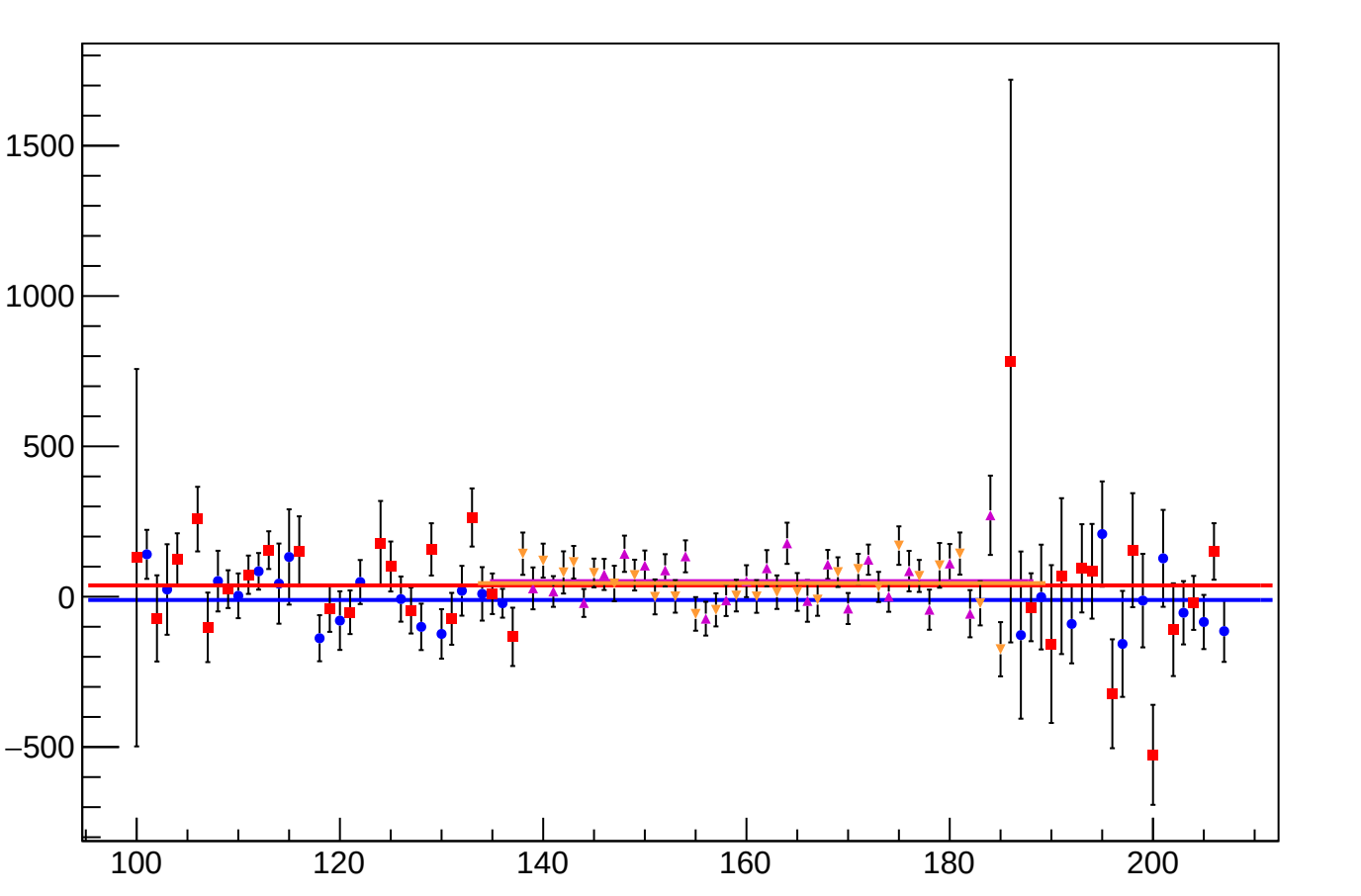
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 655.428+/-0.089 χ^2/NDF: 7883812.9/56

In: 406.229+/-0.054 χ^2/NDF:8816163.8/48

Out: 409.425+/-0.053 χ^2/NDF:10669558.6/55

All: 407.857+/-0.038 χ^2/NDF: 19487529.3/10



Right In: -10.967+/-18.080 χ^2/NDF: 20.2/25

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

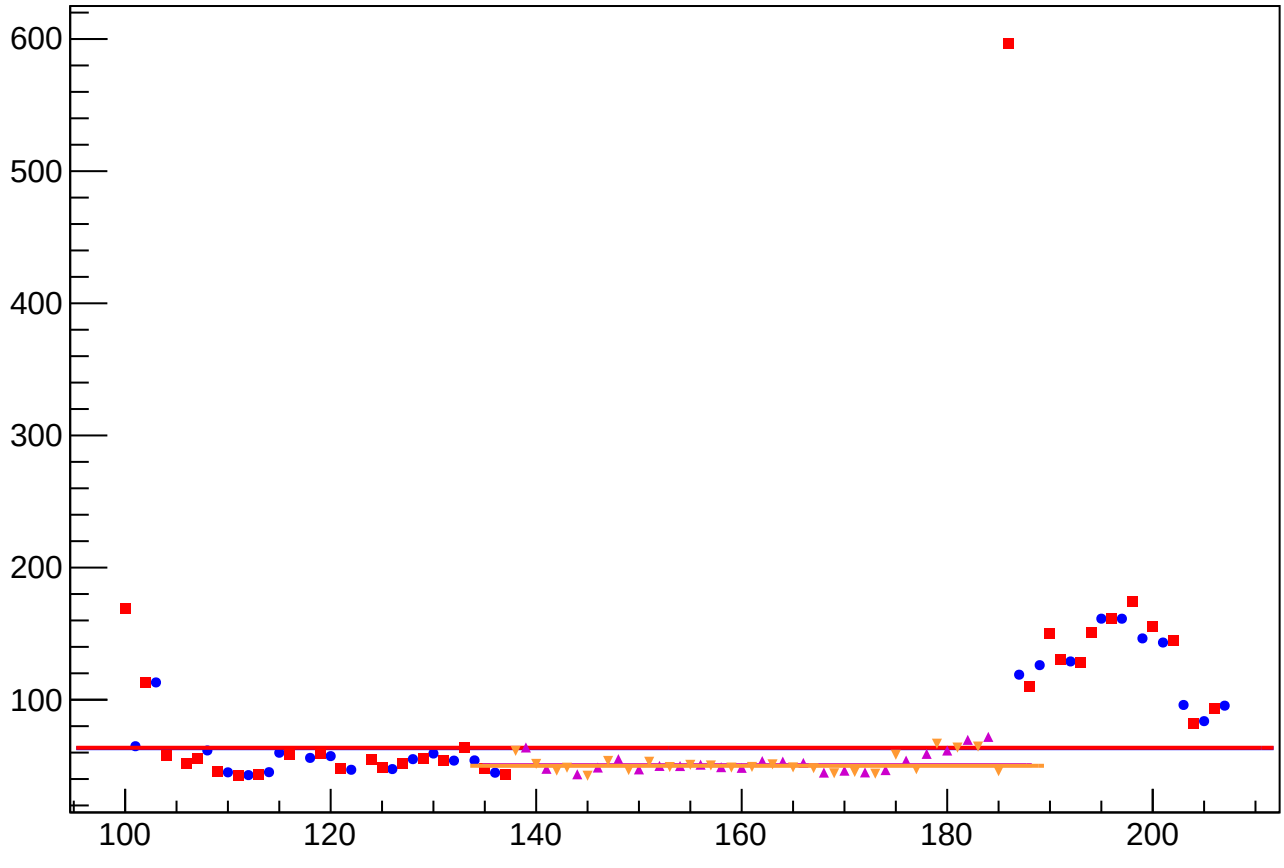
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 13.732+/-12.673 χ^2/NDF: 73.9/56

In: 32.636+/-9.957 χ^2/NDF:64.4/48

Out: 42.882+/-9.651 χ^2/NDF:81.6/55

All: 37.919+/-6.930 χ^2/NDF: 146.5/104



Right In: 63.332+/-0.013 χ^2/NDF: 4835186.0/25

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

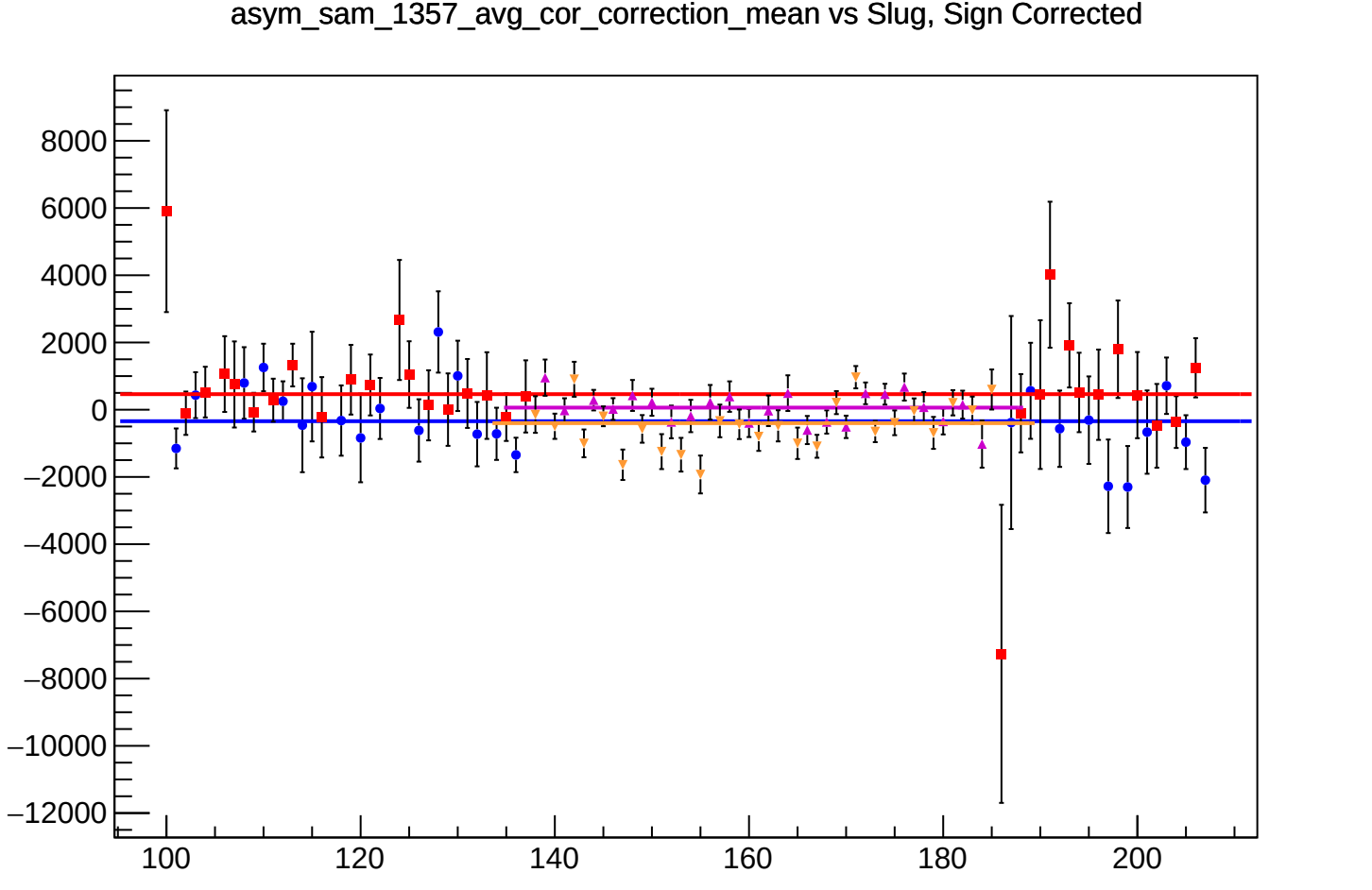
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 63.498+/-0.009 χ^2/NDF: 11282642.8/56

In: 54.400+/-0.007 χ^2/NDF:6039180.0/48

Out: 54.044+/-0.007 χ^2/NDF:7786749.2/55

All: 54.217+/-0.005 χ^2/NDF: 13827247.2/104



Right In: -341.760+/-178.278 χ^2/NDF: 32.4/25

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

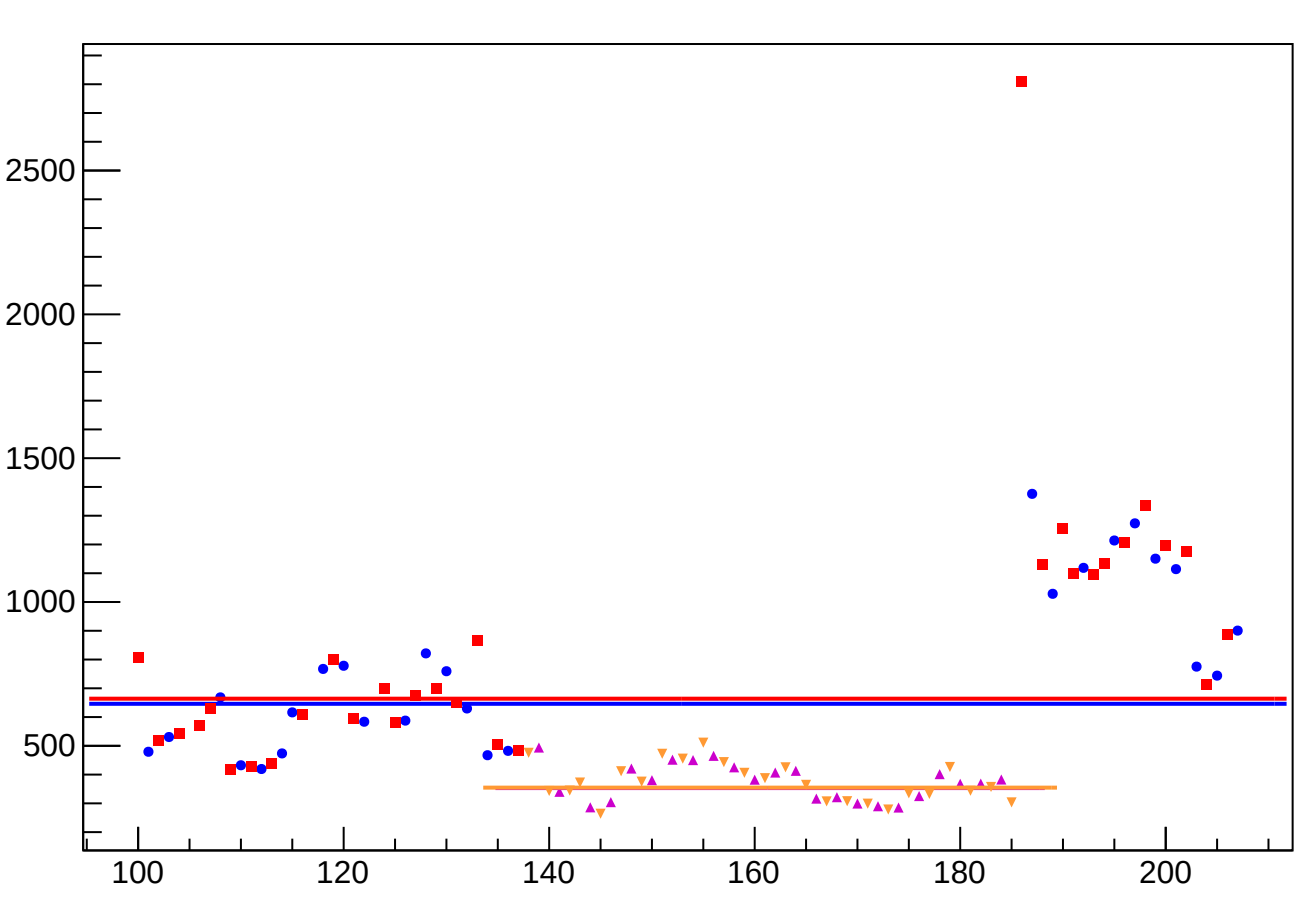
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 62.599+/-125.713 χ^2/NDF: 64.2/56

In: -11.167+/-75.908 χ^2/NDF:60.6/48

Out: -247.288+/-74.473 χ^2/NDF:106.4/55

All: -131.481+/-53.160 χ^2/NDF: 171.9/104



Right In: 646.114+/-0.126 χ^2/NDF: 3389143.7/25

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

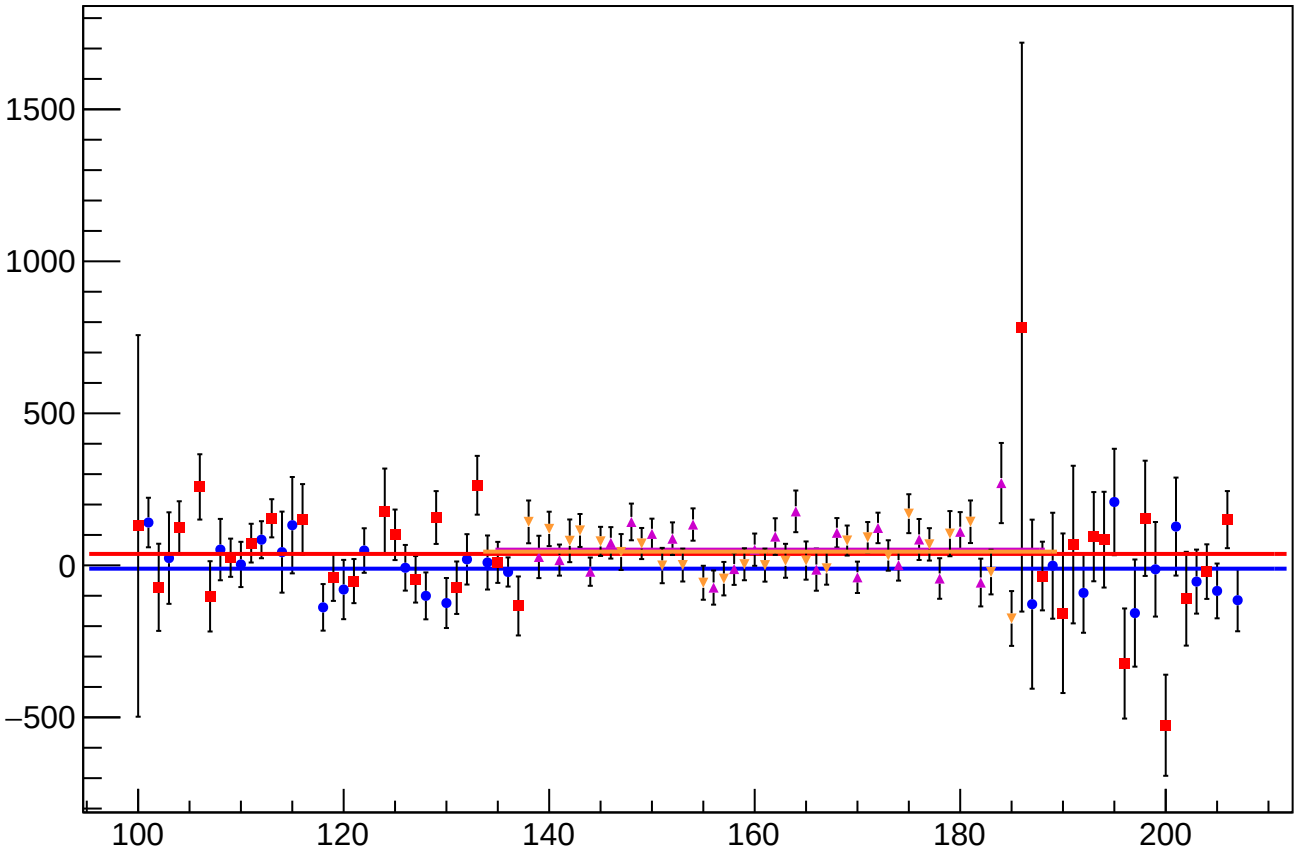
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 655.050+/-0.089 χ^2/NDF: 7890192.6/56

In: 406.229+/-0.054 χ^2/NDF:8816211.6/48

Out: 409.229+/-0.053 χ^2/NDF:10646810.7/55

All: 407.758+/-0.038 χ^2/NDF: 19464614.0/10



Right In: -10.967+/-18.080 χ^2/NDF: 20.2/25

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

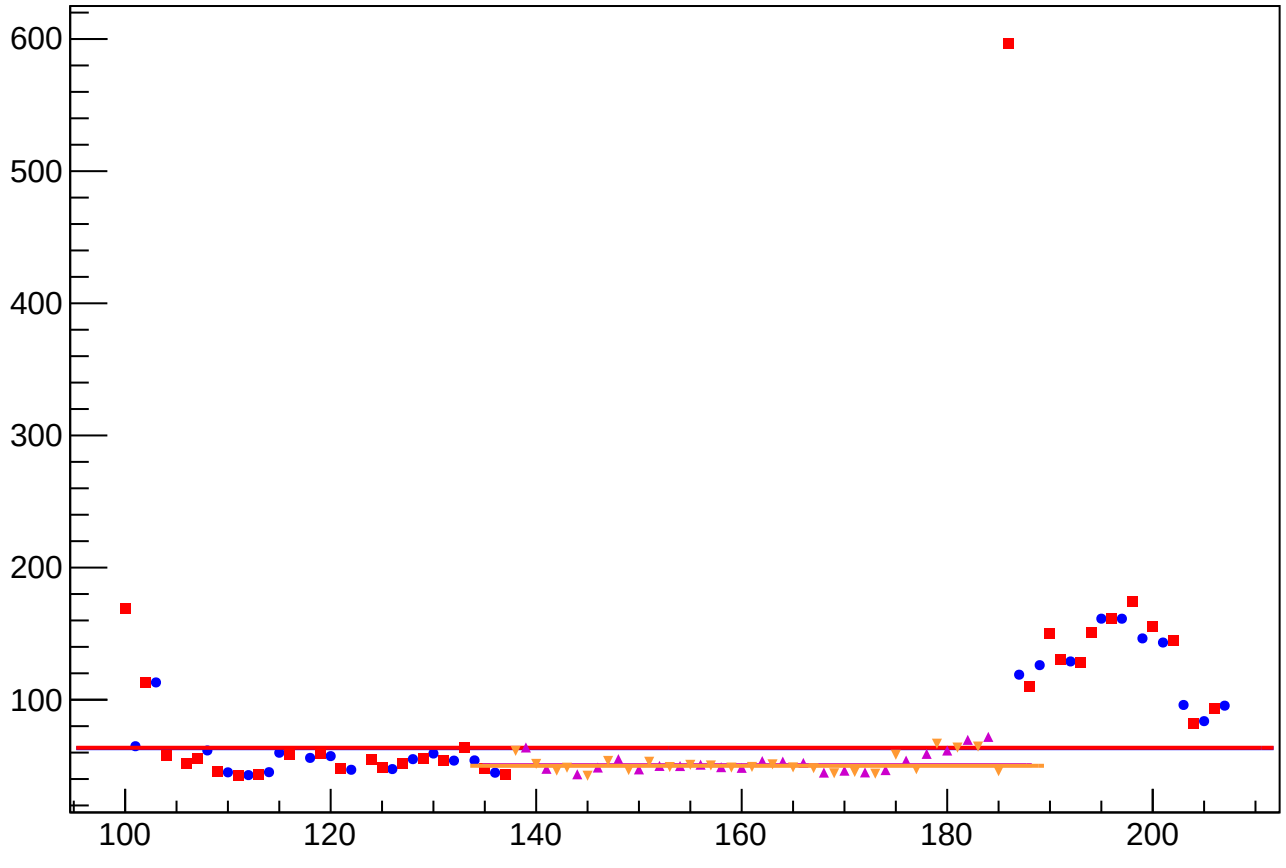
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 13.732+/-12.673 χ^2/NDF: 73.9/56

In: 32.636+/-9.957 χ^2/NDF:64.4/48

Out: 42.882+/-9.651 χ^2/NDF:81.6/55

All: 37.919+/-6.930 χ^2/NDF: 146.5/104



Right In: 63.332+/-0.013 χ^2/NDF: 4835186.0/25

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

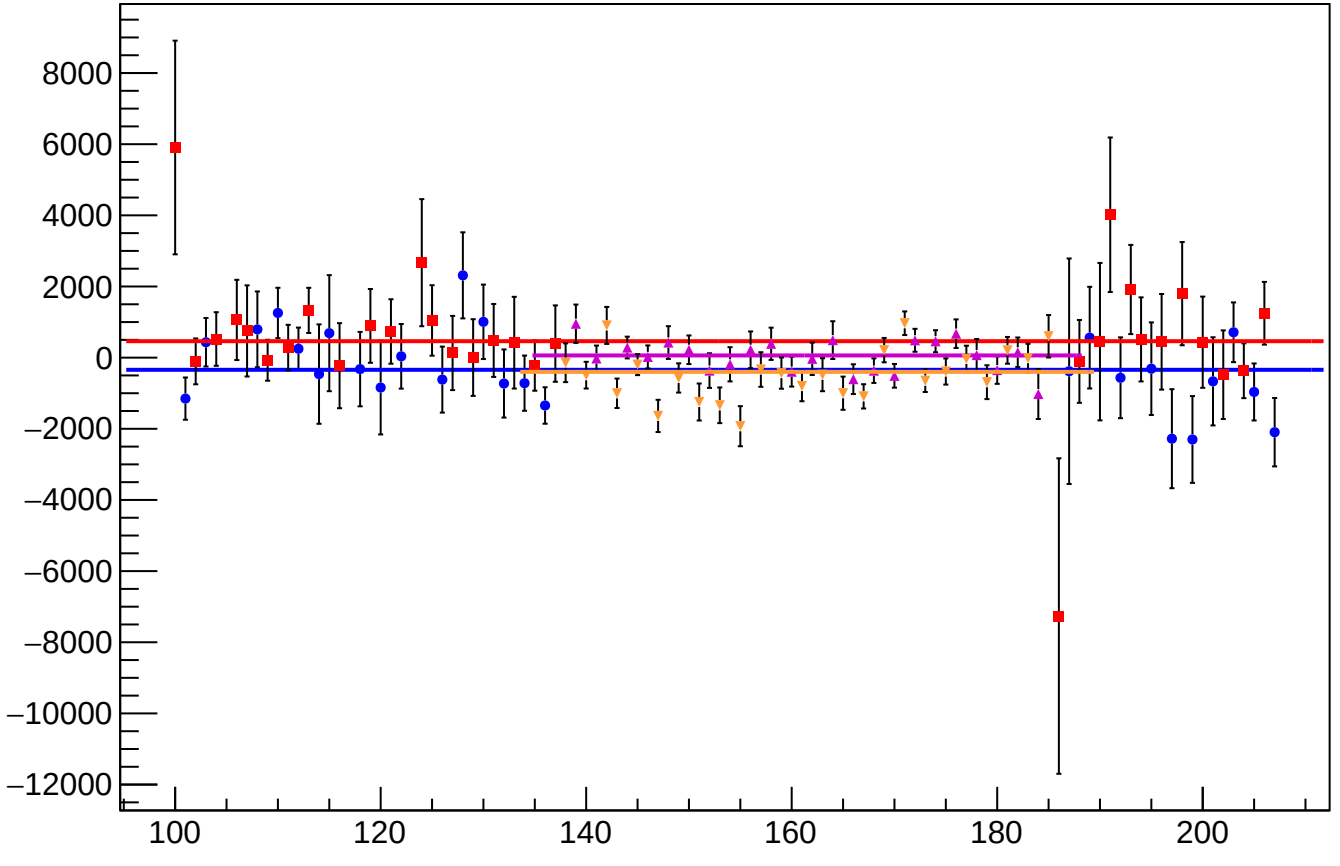
Right: 63.498+/-0.009 χ^2/NDF: 11282642.8/56

In: 54.400+/-0.007 χ^2/NDF:6039180.0/48

Out: 54.044+/-0.007 χ^2/NDF:7786749.2/55

All: 54.217+/-0.005 χ^2/NDF: 13827247.2/104

asym_sam_1357_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -341.760+/-178.278 χ^2/NDF: 32.4/25

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

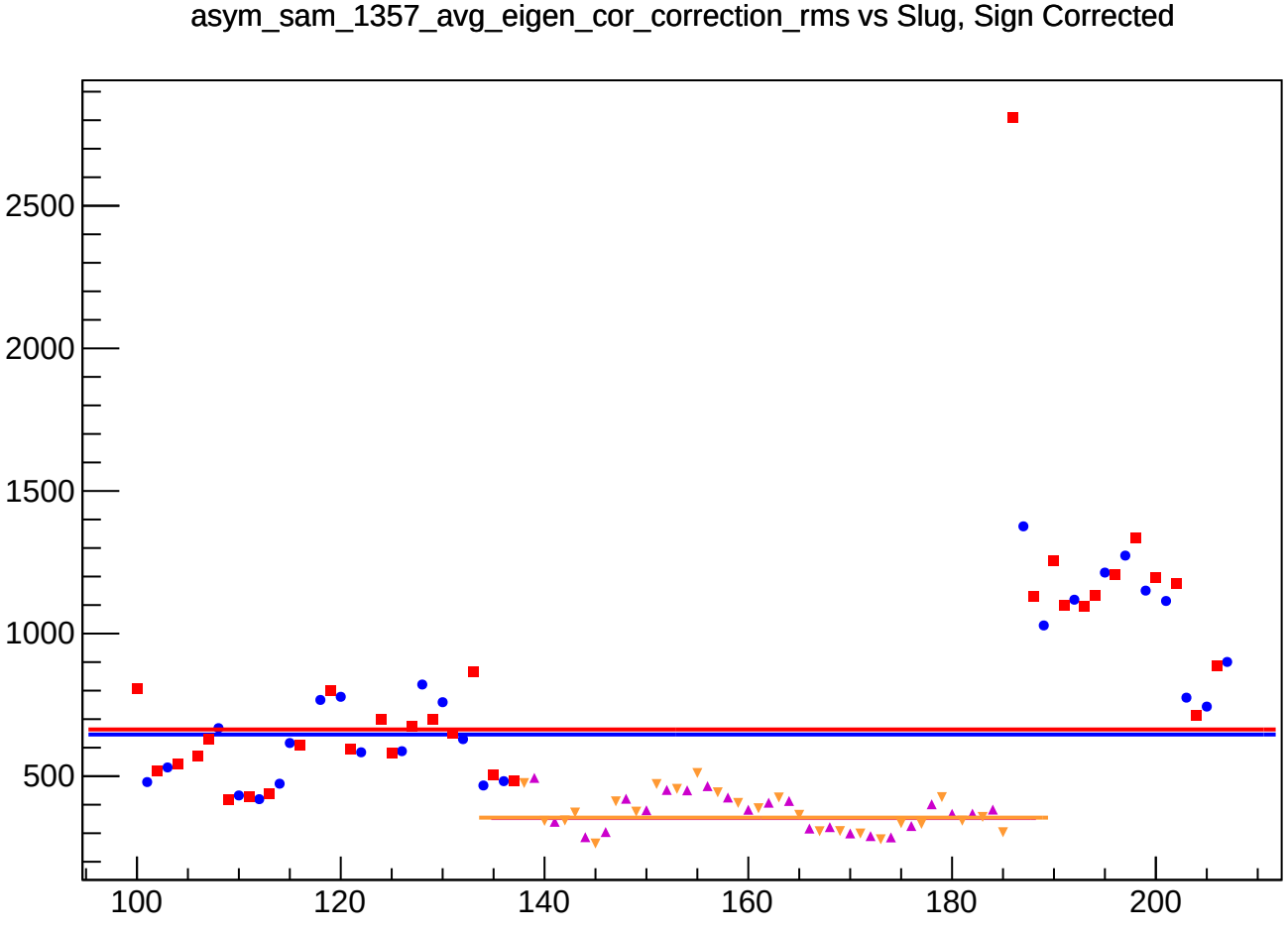
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 62.599+/-125.713 χ^2/NDF: 64.2/56

In: -11.167+/-75.908 χ^2/NDF:60.6/48

Out: -247.288+/-74.473 χ^2/NDF:106.4/55

All: -131.481+/-53.160 χ^2/NDF: 171.9/104



Right In: 646.114+/-0.126 χ^2/NDF: 3389143.7/25

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

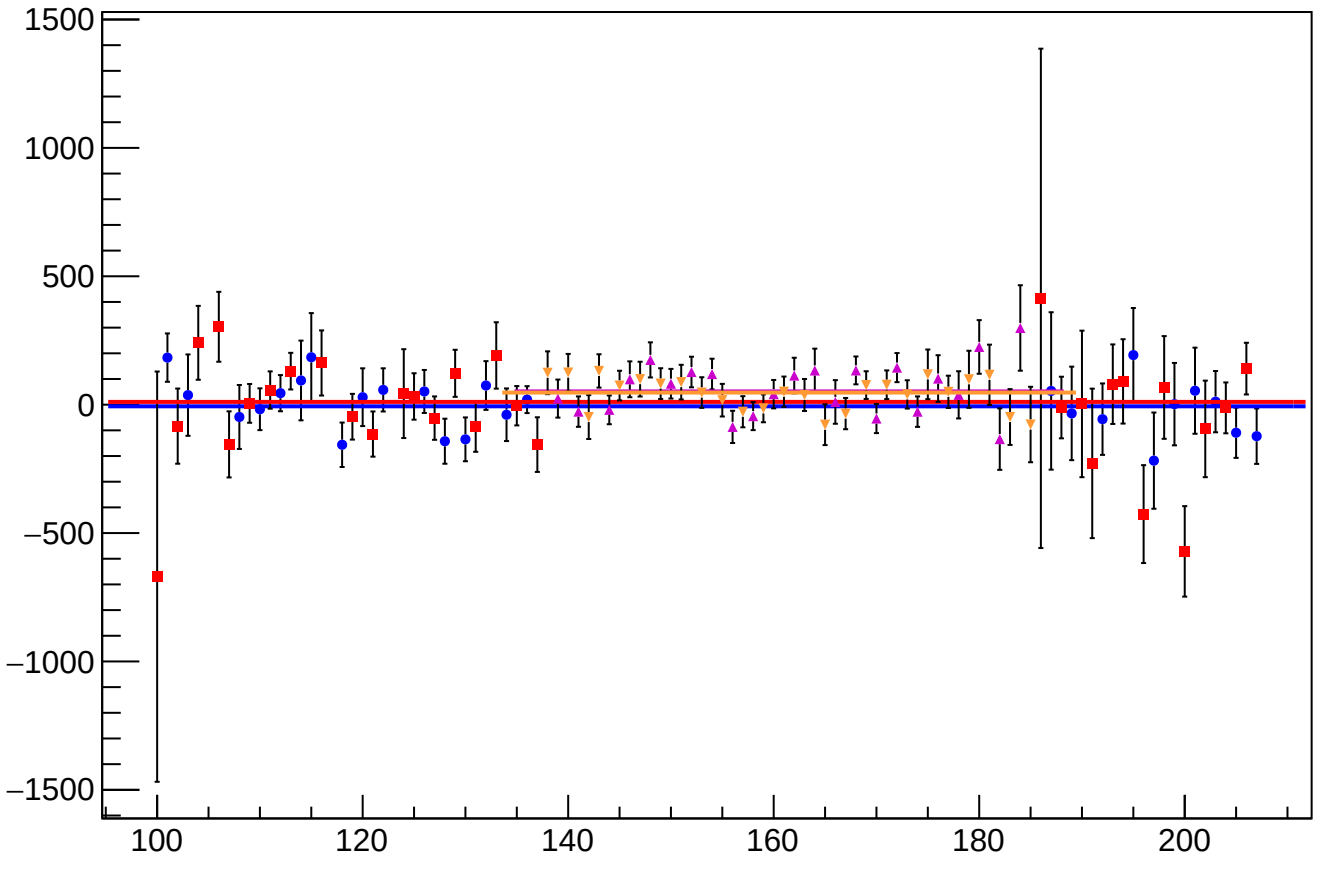
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 655.050+/-0.089 χ^2/NDF: 7890192.6/56

In: 406.229+/-0.054 χ^2/NDF:8816211.6/48

Out: 409.229+/-0.053 χ^2/NDF:10646810.7/55

All: 407.758+/-0.038 χ^2/NDF: 19464614.0/10



Right In: -6.416+/-20.144 χ^2/NDF: 21.4/25

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

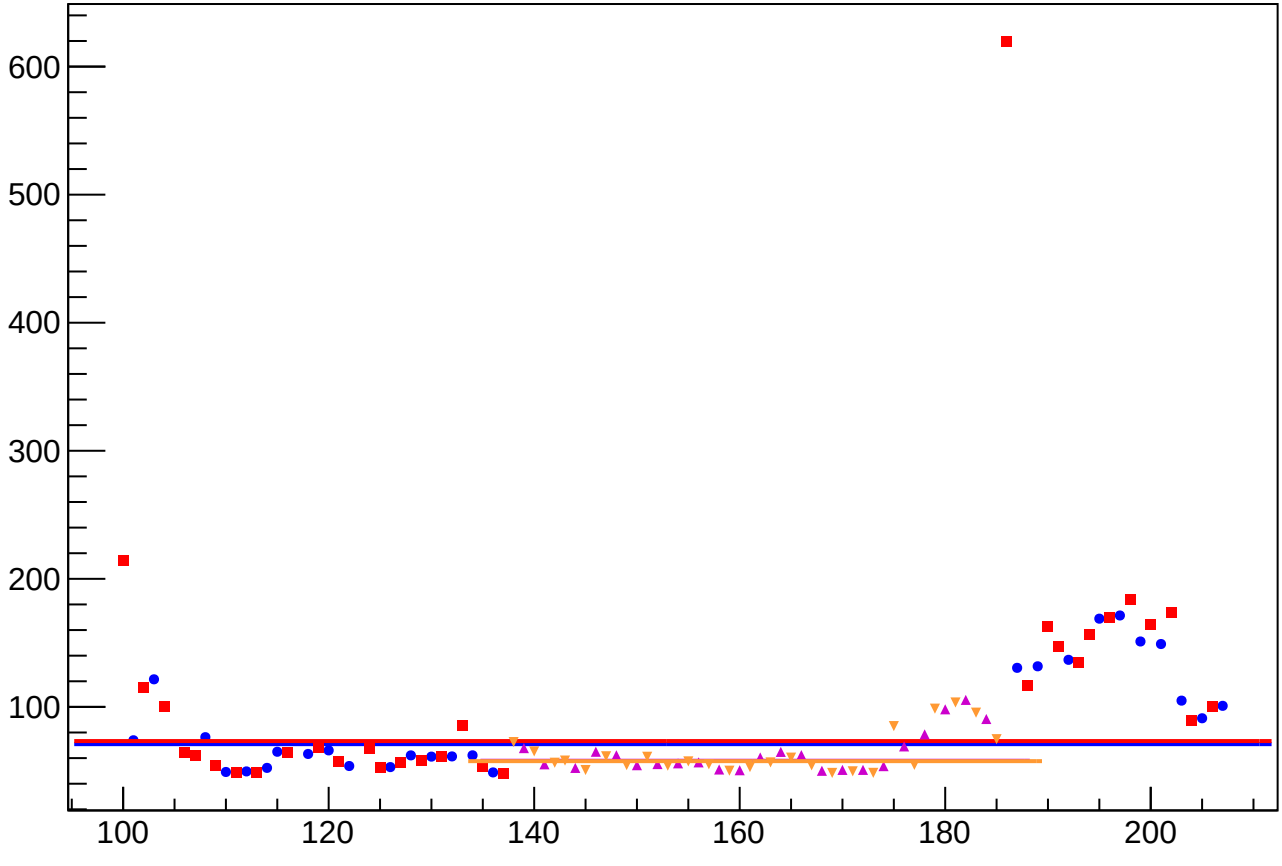
Right: 2.115+/-14.314 χ^2/NDF: 66.0/56

In: 32.861+/-11.459 χ^2/NDF:65.2/48

Out: 36.030+/-11.255 χ^2/NDF:63.4/55

All: 34.474+/-8.030 χ^2/NDF: 128.7/104

dit_asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 70.900+/-0.014 χ^2/NDF: 4423185.2/25

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

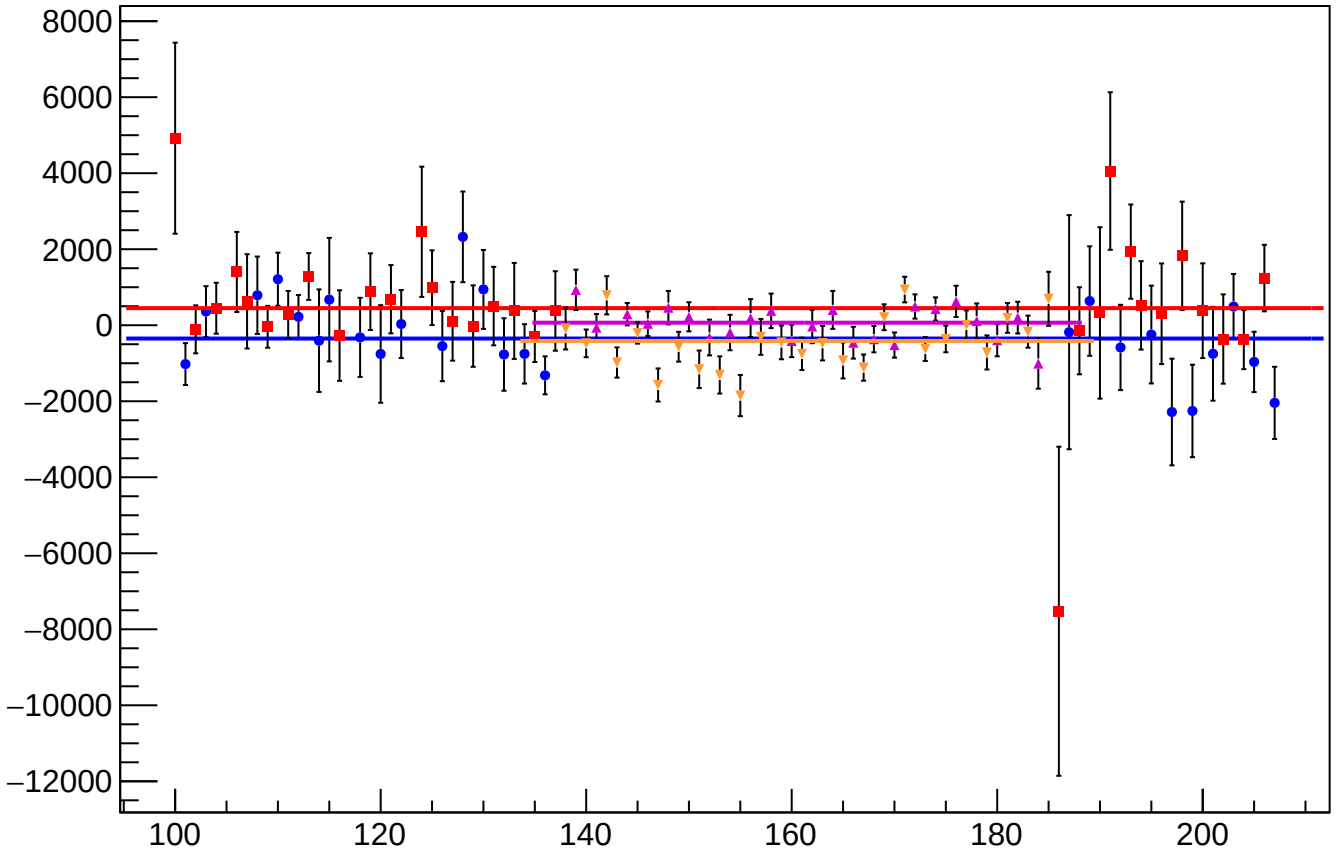
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 72.095+/-0.010 χ^2/NDF: 10430595.5/56

In: 62.134+/-0.008 χ^2/NDF:6107615.3/48

Out: 62.431+/-0.008 χ^2/NDF:8183394.0/55

All: 62.285+/-0.006 χ^2/NDF: 14291693.6/104



Right In: -349.952+/-174.787 χ^2/NDF: 31.1/25

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

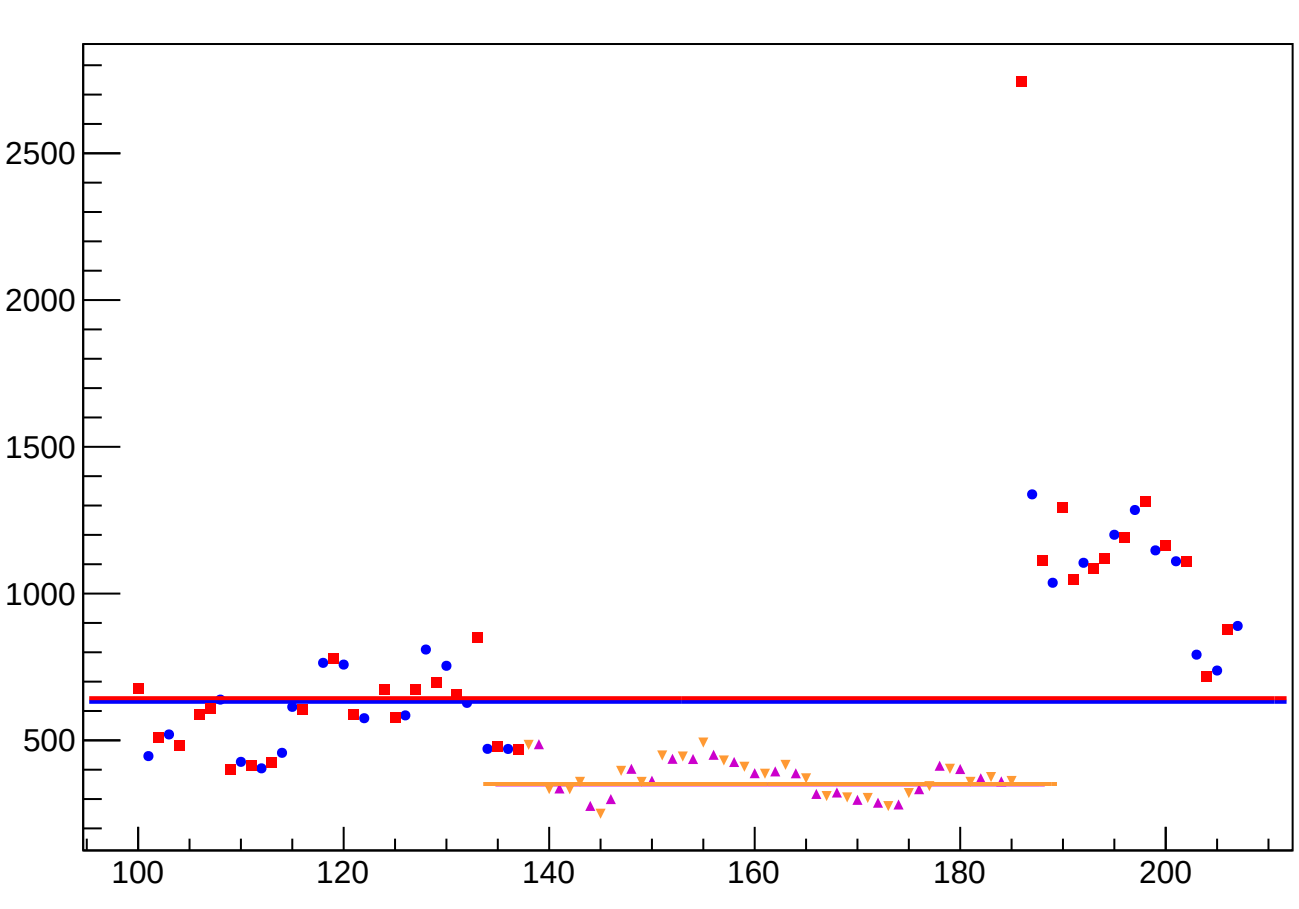
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 56.252+/-122.614 χ^2/NDF: 64.6/56

In: -10.140+/-75.036 χ^2/NDF:58.7/48

Out: -256.072+/-73.384 χ^2/NDF:104.7/55

All: -135.844+/-52.465 χ^2/NDF: 168.9/104



Right In: 631.331+/-0.124 χ^2/NDF: 3587888.8/25

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

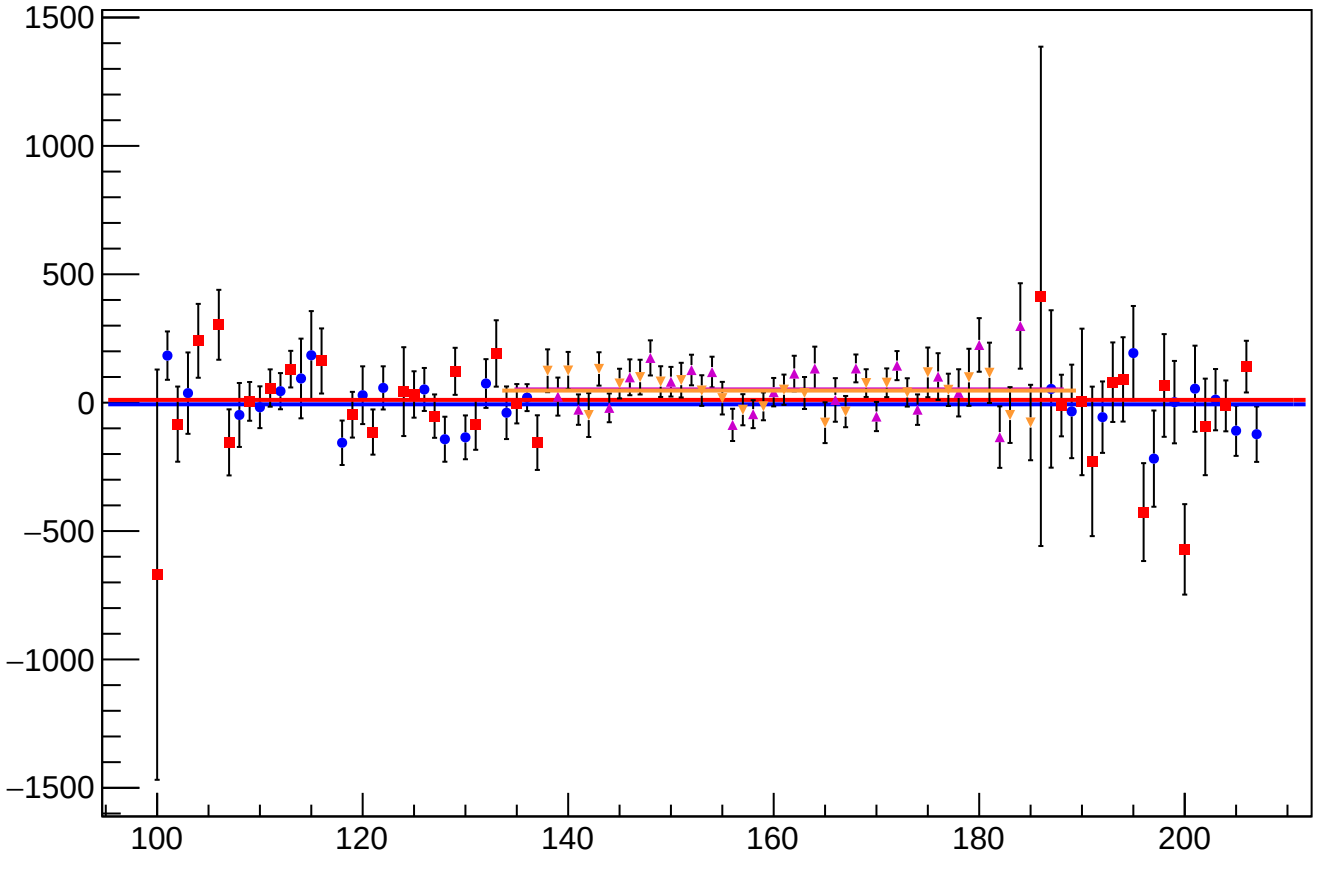
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 637.586+/-0.087 χ^2/NDF: 8259157.3/56

In: 401.697+/-0.053 χ^2/NDF:8810356.4/48

Out: 404.456+/-0.052 χ^2/NDF:10509639.5/55

All: 403.107+/-0.037 χ^2/NDF: 19321378.1/10



Right In: -6.415+/-20.144 χ^2/NDF: 21.4/25

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

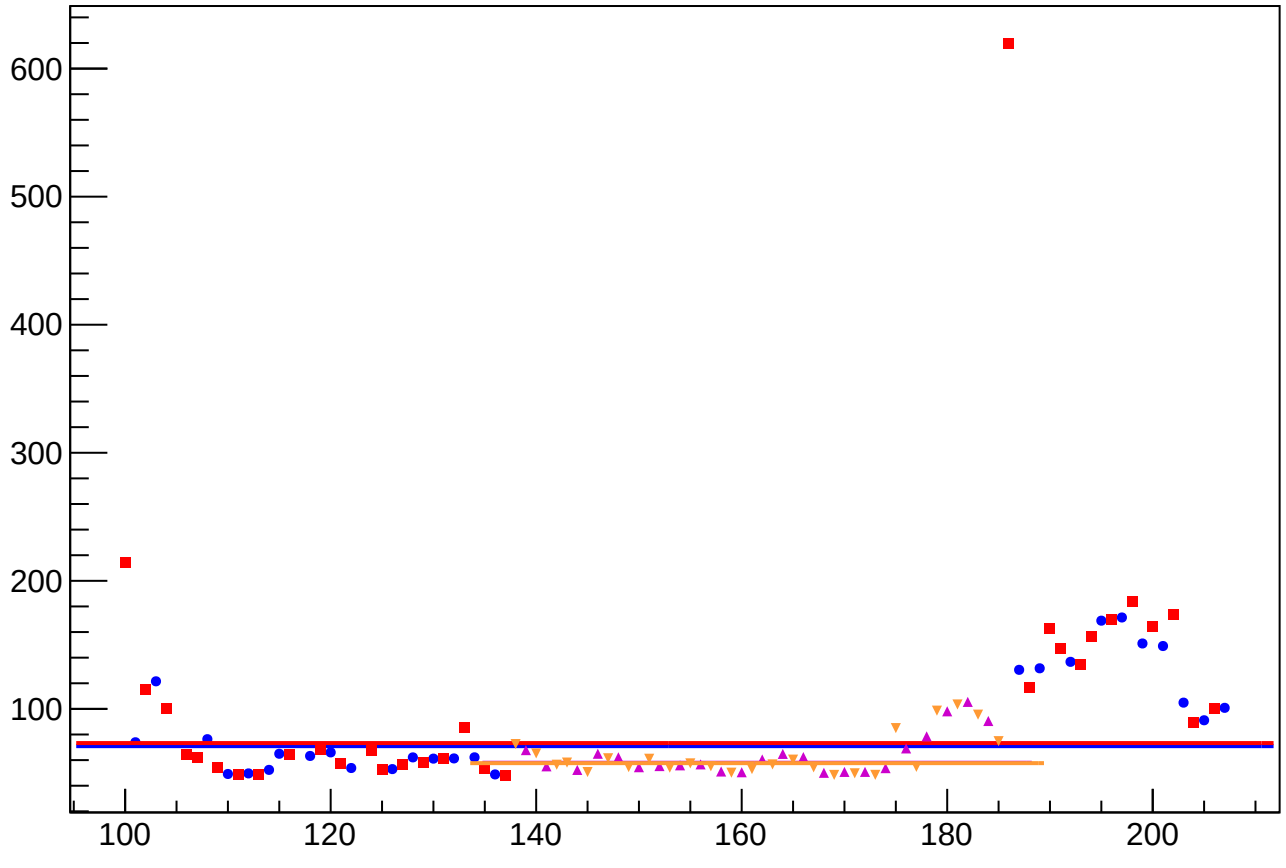
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 2.115+/-14.314 χ^2/NDF: 66.0/56

In: 32.860+/-11.459 χ^2/NDF:65.2/48

Out: 36.030+/-11.255 χ^2/NDF:63.4/55

All: 34.474+/-8.030 χ^2/NDF: 128.7/104



Right In: 70.900+/-0.014 χ^2/NDF: 4423165.7/25

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

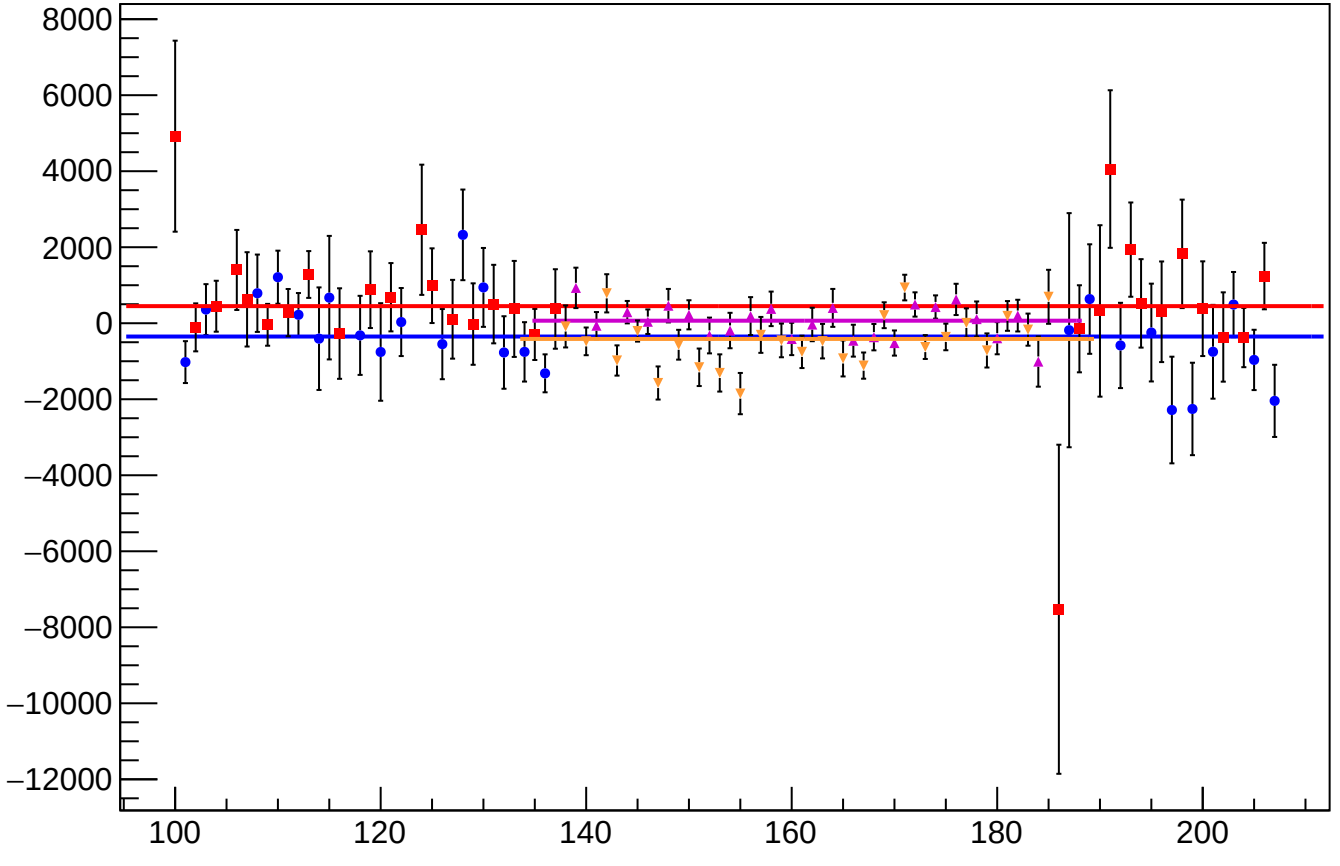
Right: 72.095+/-0.010 χ^2/NDF: 10430564.4/56

In: 62.134+/-0.008 χ^2/NDF:6107579.6/48

Out: 62.431+/-0.008 χ^2/NDF:8183379.2/55

All: 62.285+/-0.006 χ^2/NDF: 14291643.1/104

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -349.951+/-174.786 χ^2/NDF: 31.1/25

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

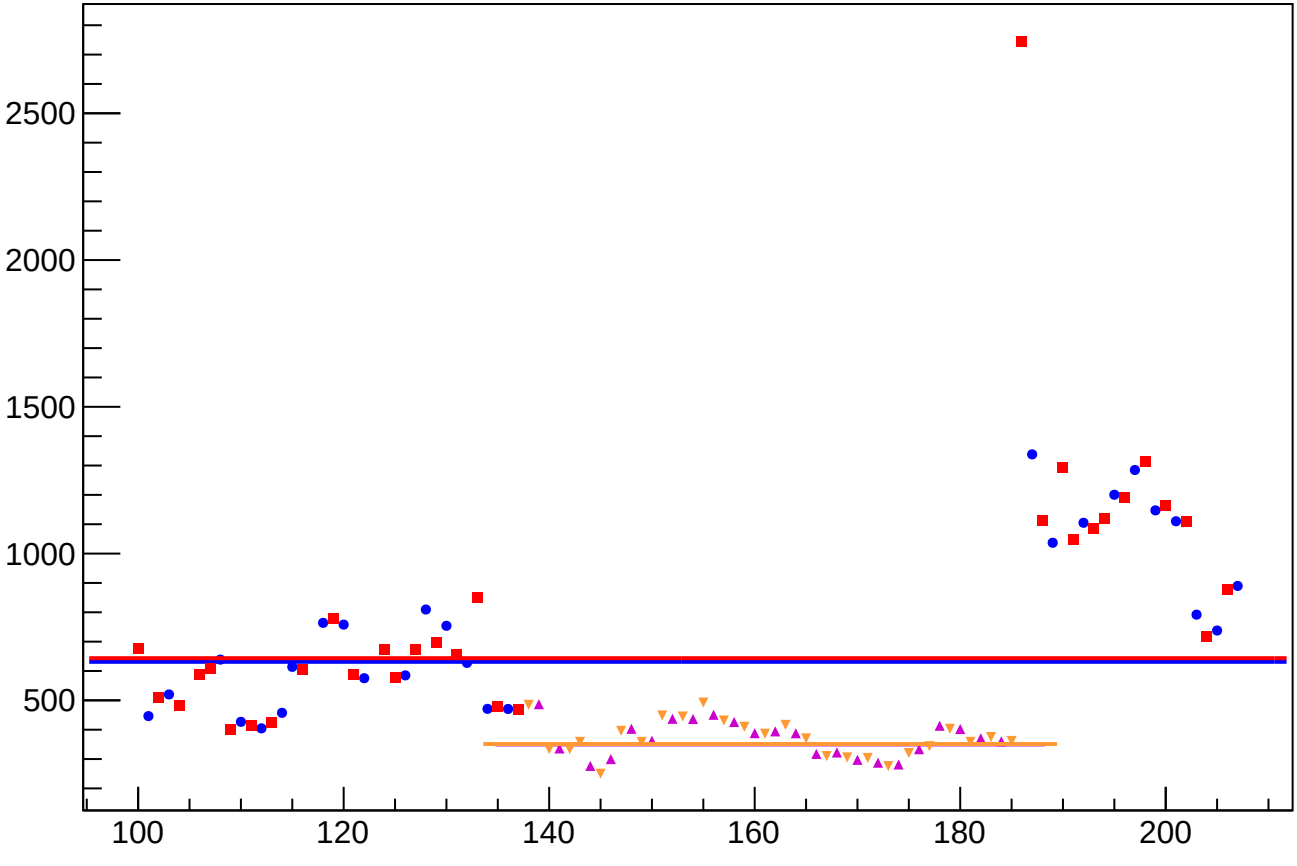
Right: 56.252+/-122.614 χ^2/NDF: 64.6/56

In: -10.141+/-75.036 χ^2/NDF:58.7/48

Out: -256.072+/-73.384 χ^2/NDF:104.7/55

All: -135.844+/-52.465 χ^2/NDF: 168.9/104

asym_sam_1357_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 631.330+/-0.124 χ^2/NDF: 3587897.4/25

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

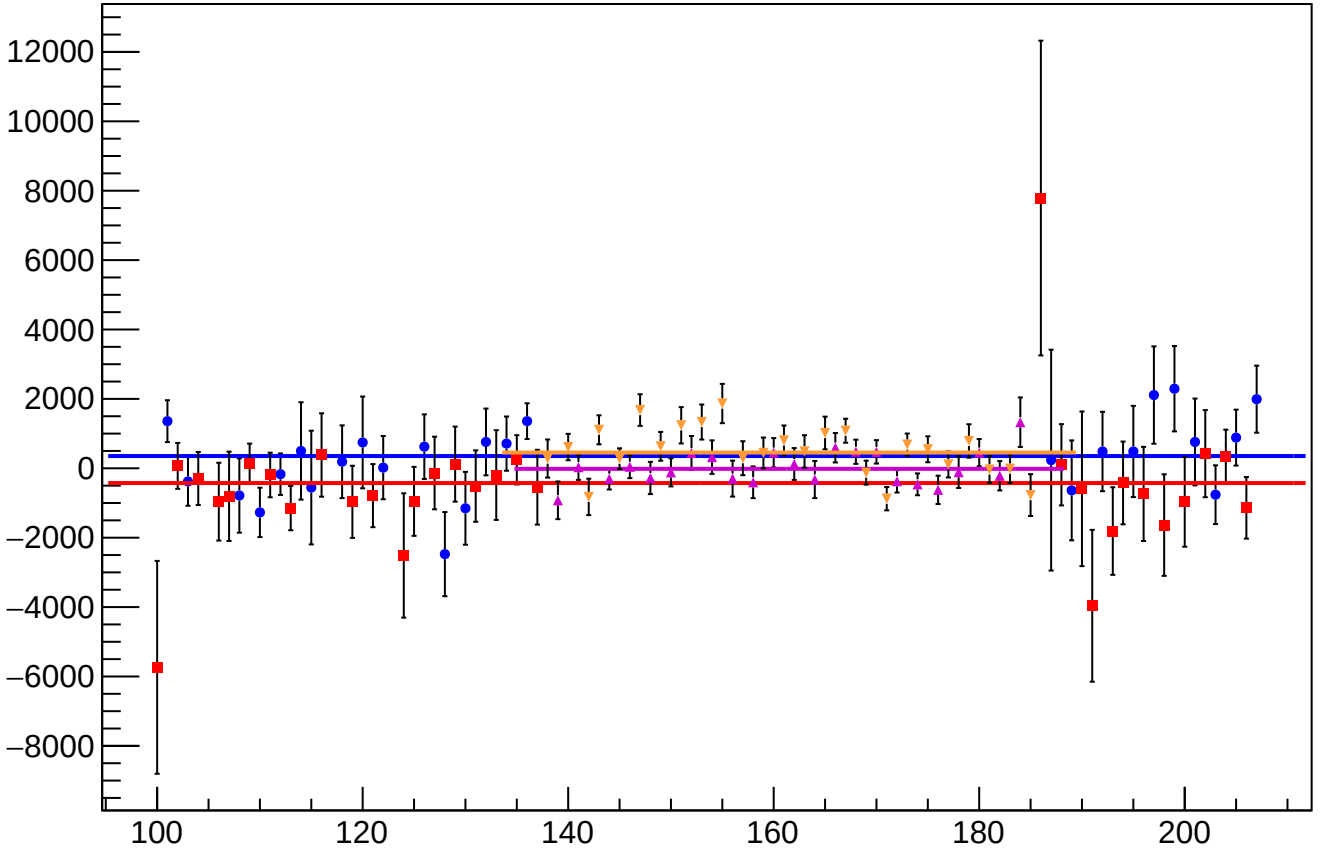
Right: 637.585+/-0.087 χ^2/NDF: 8259170.8/56

In: 401.696+/-0.053 χ^2/NDF:8810341.2/48

Out: 404.455+/-0.052 χ^2/NDF:10509626.3/55

All: 403.107+/-0.037 χ^2/NDF: 19321349.5/10

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 352.966+/-179.708 χ^2/NDF: 33.0/25

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

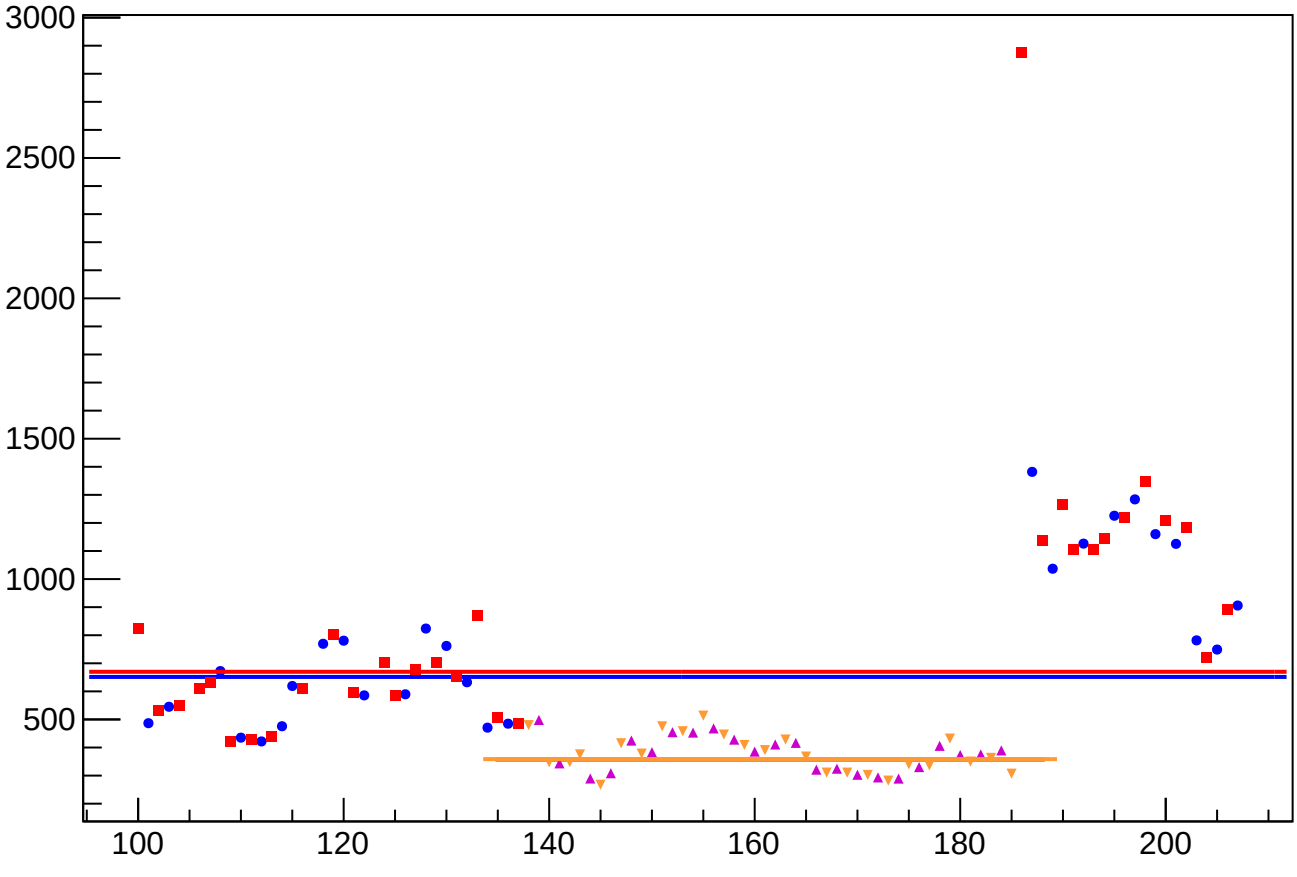
Right: -38.453+/-126.676 χ^2/NDF: 62.8/56

In: 51.174+/-76.713 χ^2/NDF:61.3/48

Out: 299.000+/-75.239 χ^2/NDF:101.1/55

All: 177.491+/-53.716 χ^2/NDF: 167.8/104

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 651.416+/-0.127 χ^2/NDF: 3377639.1/25

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

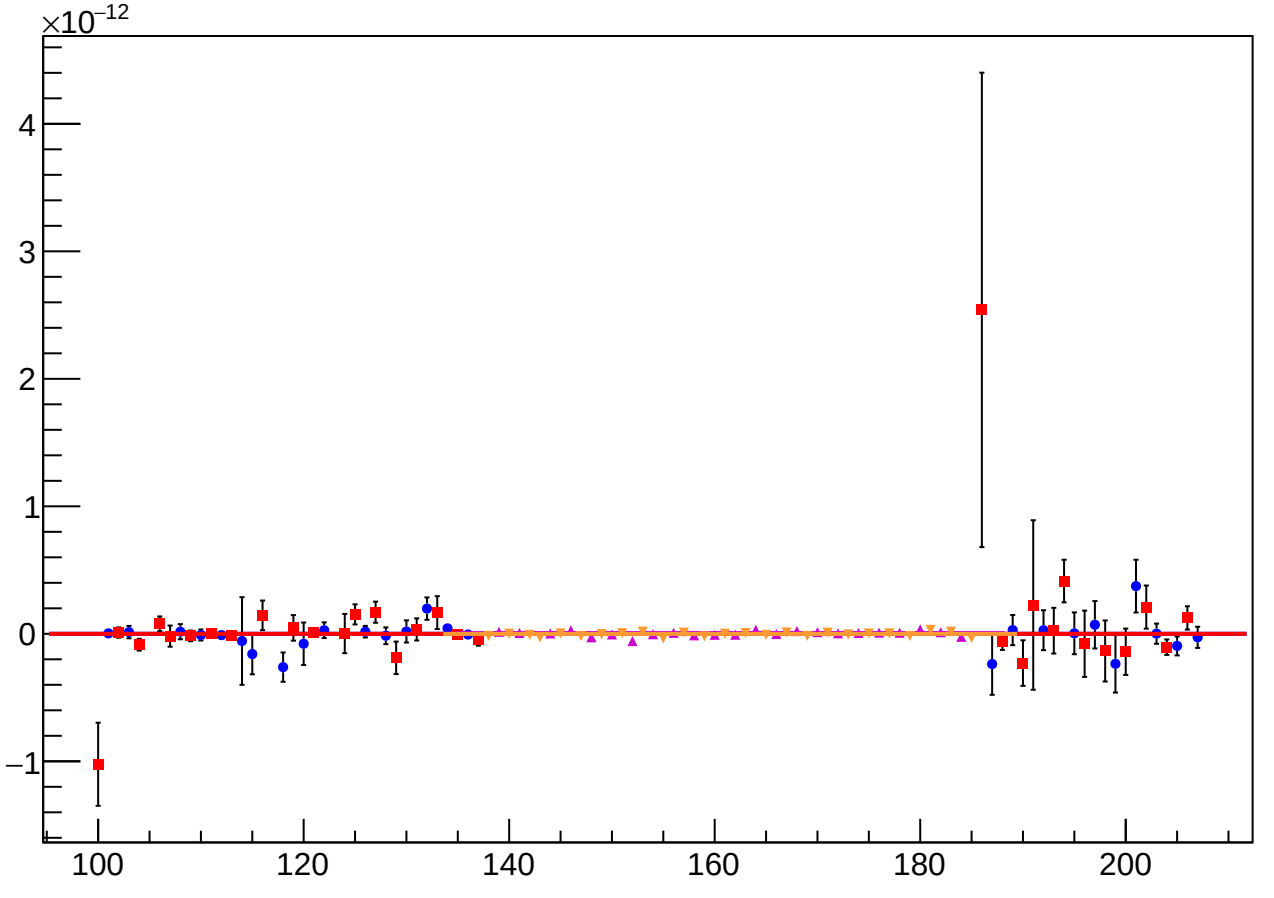
Right: 660.660+/-0.090 χ^2/NDF: 7870097.5/56

In: 410.798+/-0.054 χ^2/NDF:8743710.2/48

Out: 413.896+/-0.053 χ^2/NDF:10593720.0/55

All: 412.377+/-0.038 χ^2/NDF: 19339092.4/10

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.9/25

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

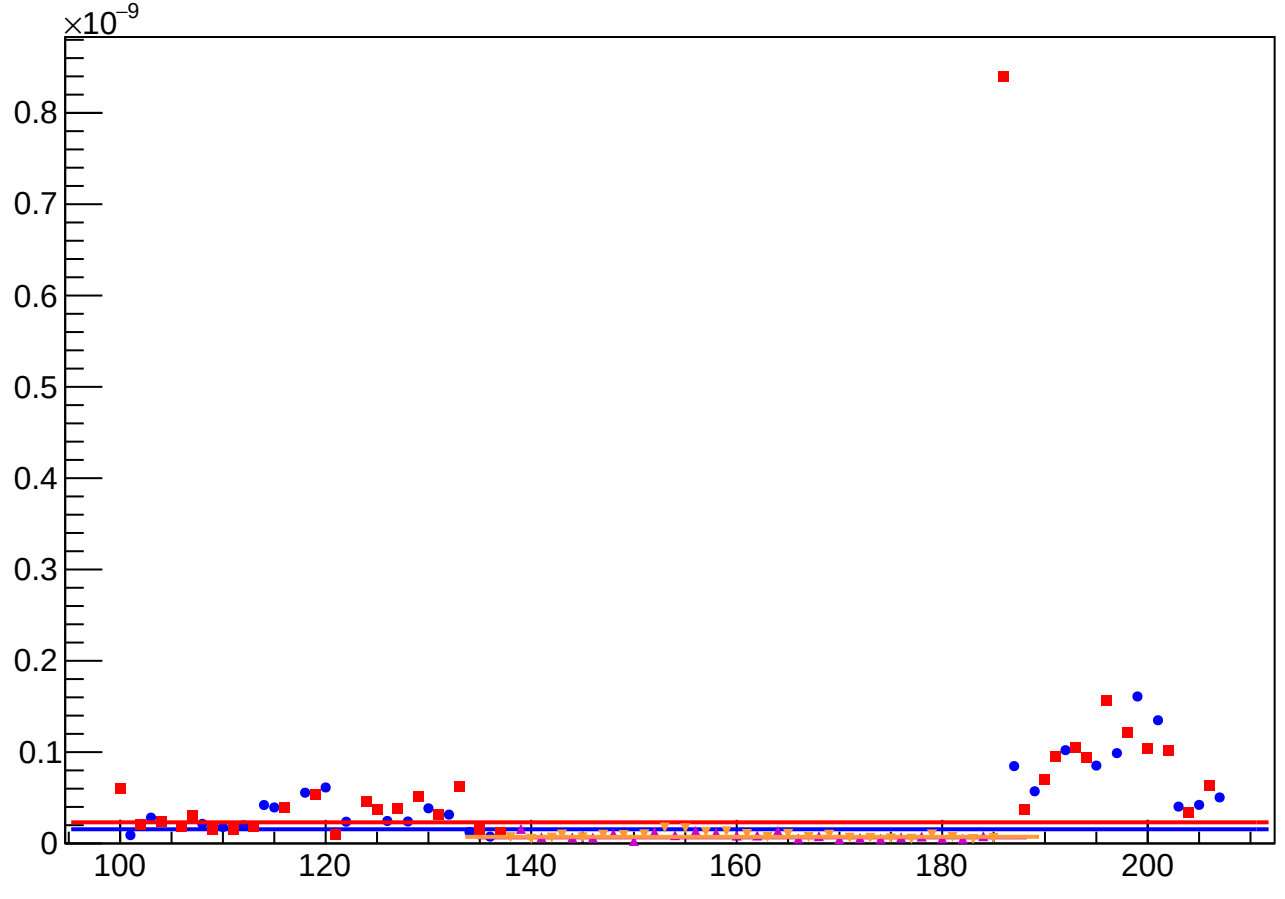
Right: 0.000+/-0.000 χ^2/NDF: 69.0/56

In: 0.000+/-0.000 χ^2/NDF:49.8/48

Out: -0.000+/-0.000 χ^2/NDF:66.3/55

All: 0.000+/-0.000 χ^2/NDF: 118.3/104

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6022981.8/25

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

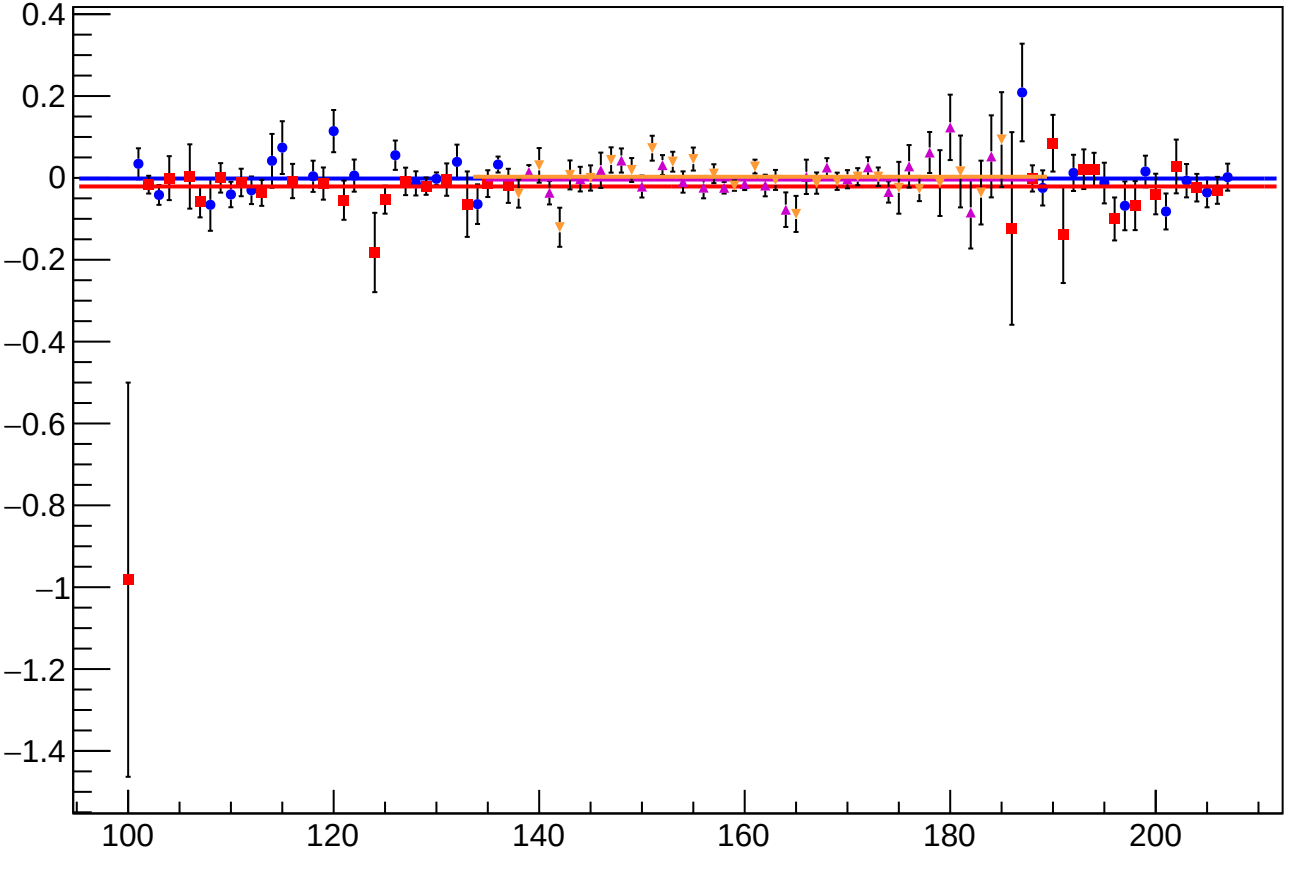
Right: 0.000+/-0.000 χ^2/NDF: 11716240.5/56

In: 0.000+/-0.000 χ^2/NDF:9609671.6/48

Out: 0.000+/-0.000 χ^2/NDF:10189969.8/55

All: 0.000+/-0.000 χ^2/NDF: 19864552.6/104

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/25

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

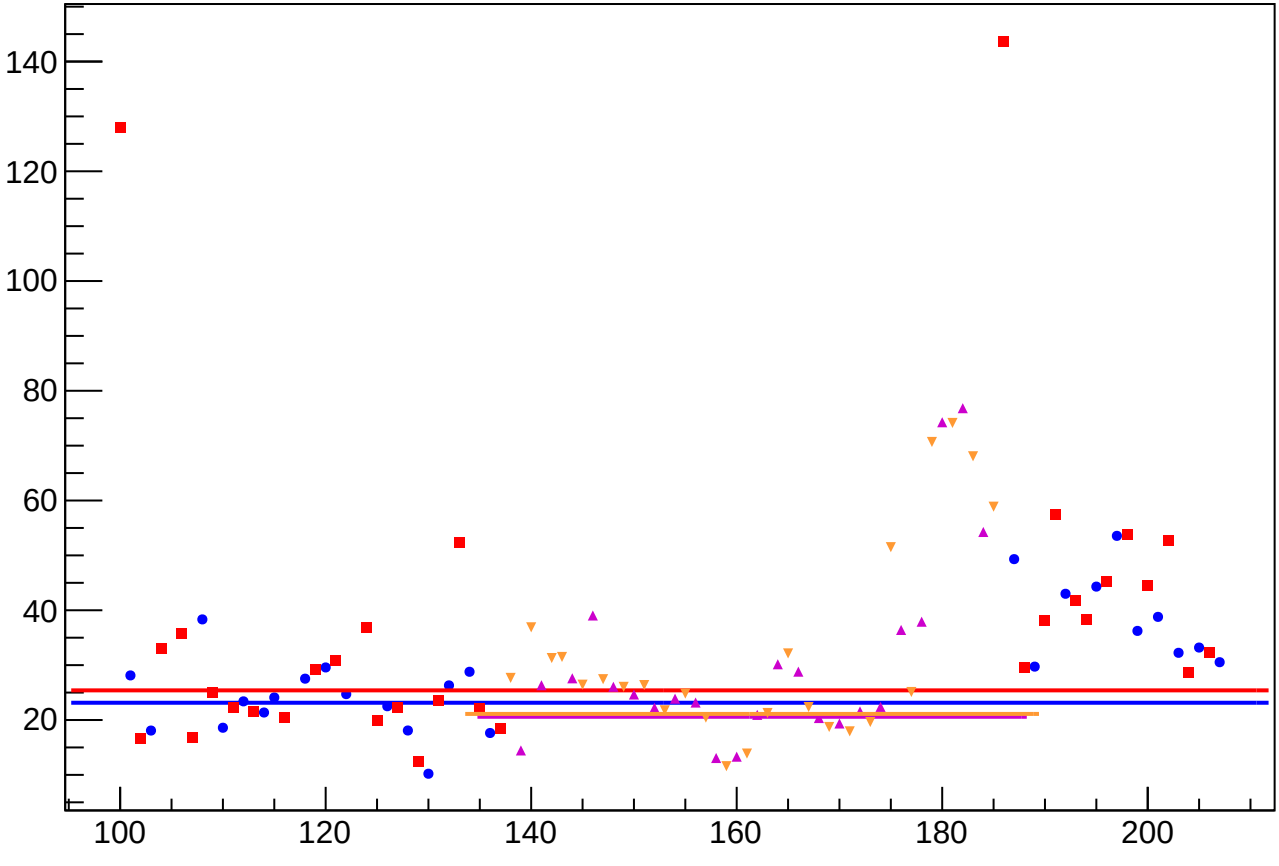
Right: -0.011+/-0.005 χ^2/NDF: 55.4/56

In: -0.003+/-0.004 χ^2/NDF:56.2/48

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.2/104

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.146+/-0.005 χ^2/NDF: 4245814.3/25

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

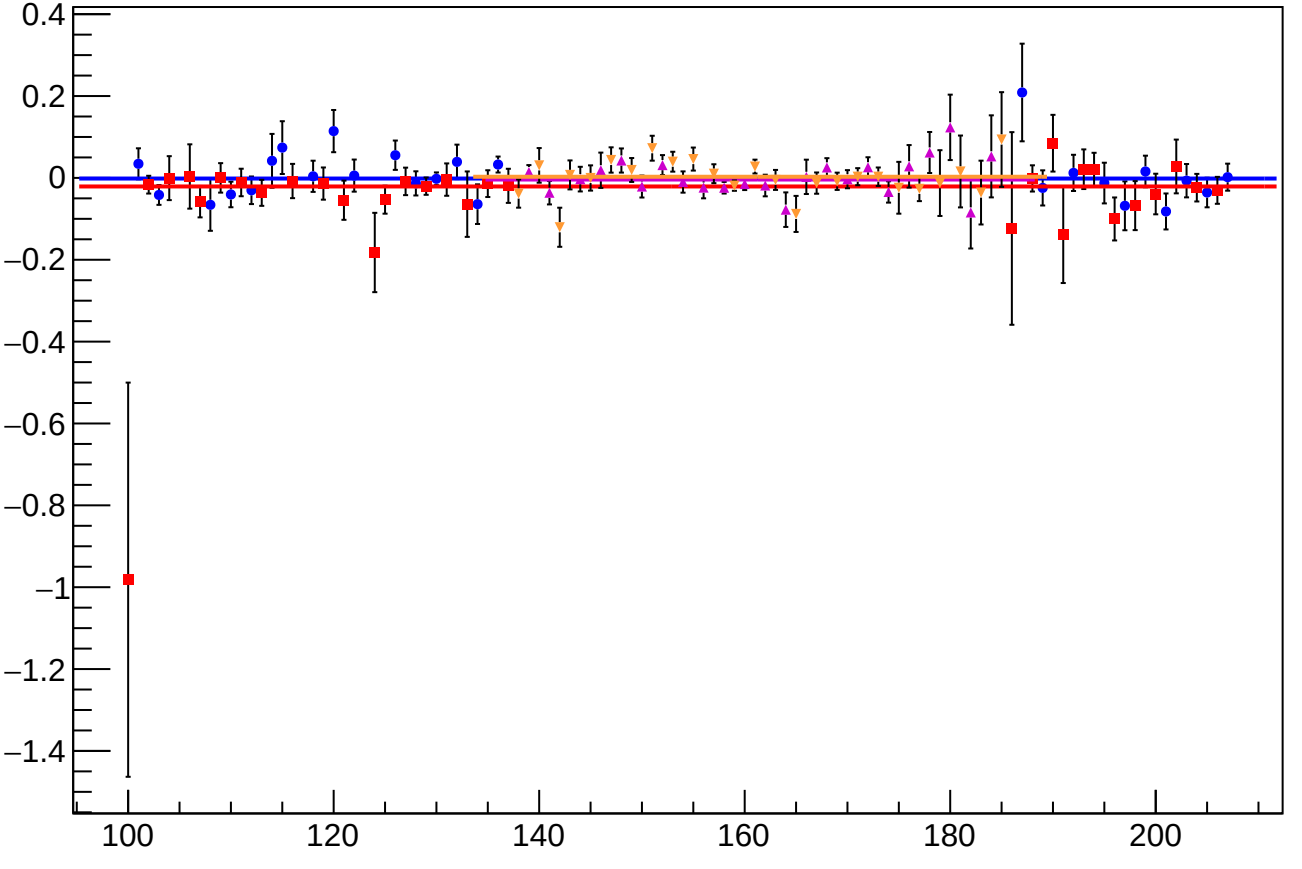
Right: 24.209+/-0.003 χ^2/NDF: 8890569.8/56

In: 21.589+/-0.003 χ^2/NDF:9017854.3/48

Out: 22.677+/-0.003 χ^2/NDF:10540108.7/55

All: 22.120+/-0.002 χ^2/NDF: 19622199.7/104

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/25

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

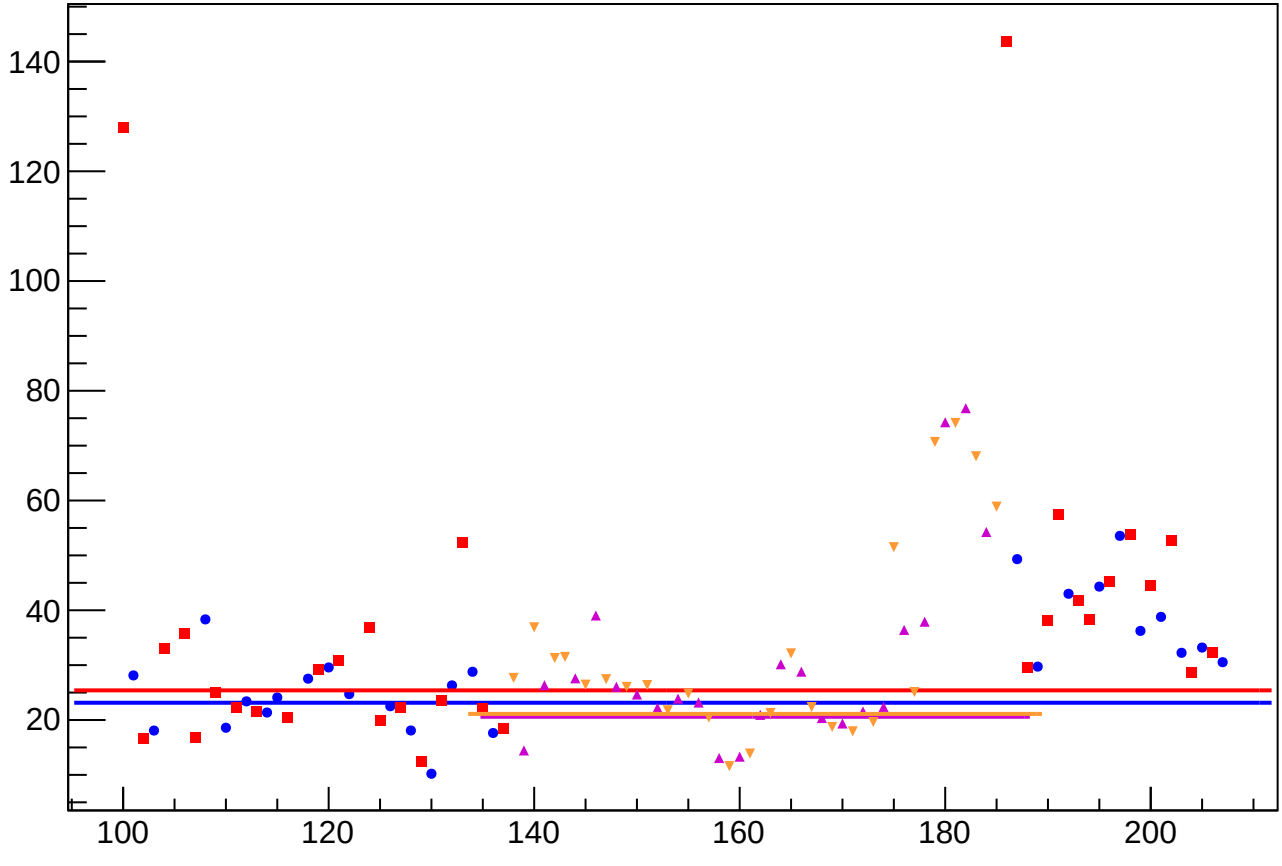
Right: -0.011+/-0.005 χ^2/NDF: 55.4/56

In: -0.003+/-0.004 χ^2/NDF:56.2/48

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.2/104

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.146+/-0.005 χ^2/NDF: 4245814.3/25

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

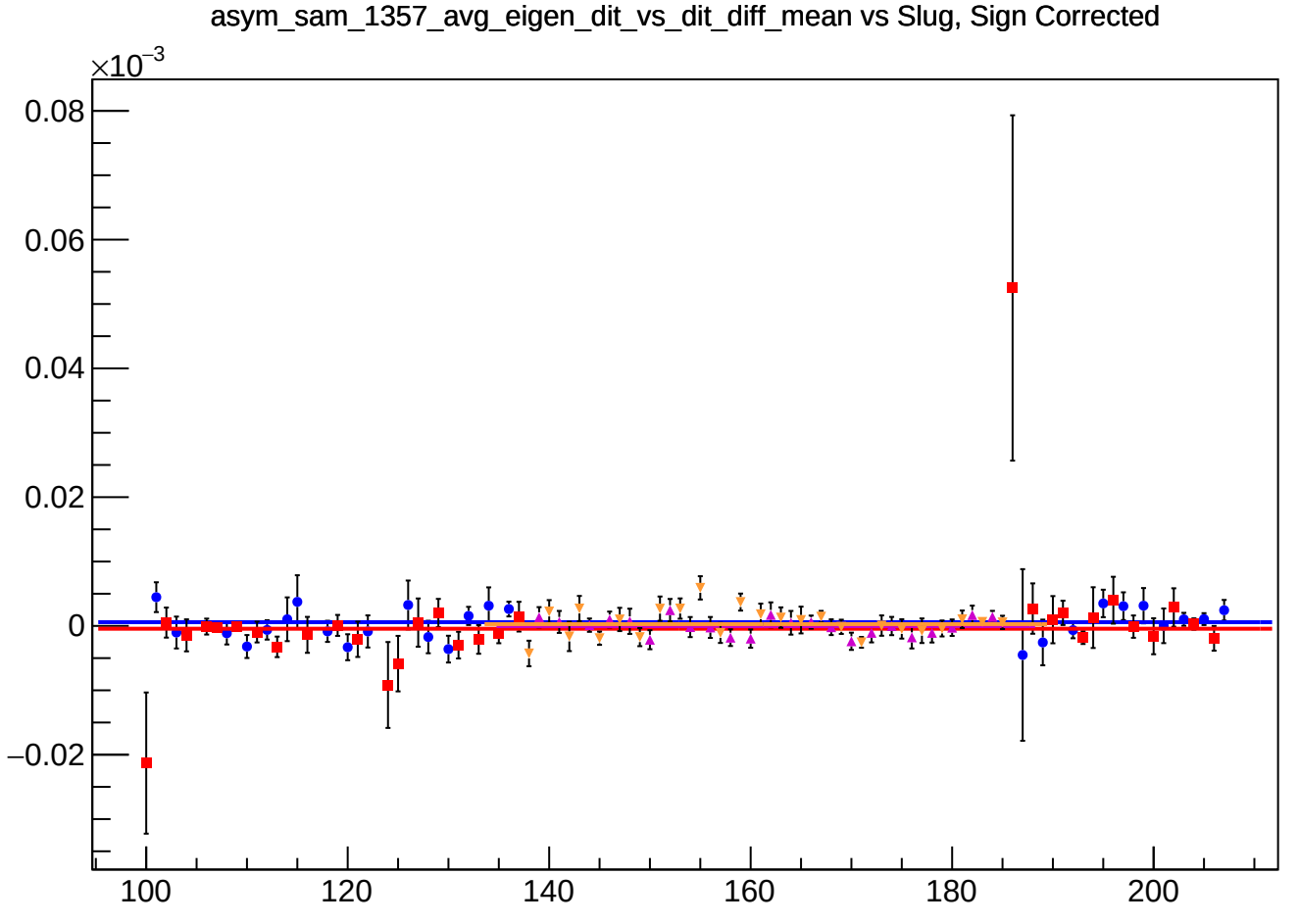
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 24.209+/-0.003 χ^2/NDF: 8890569.8/56

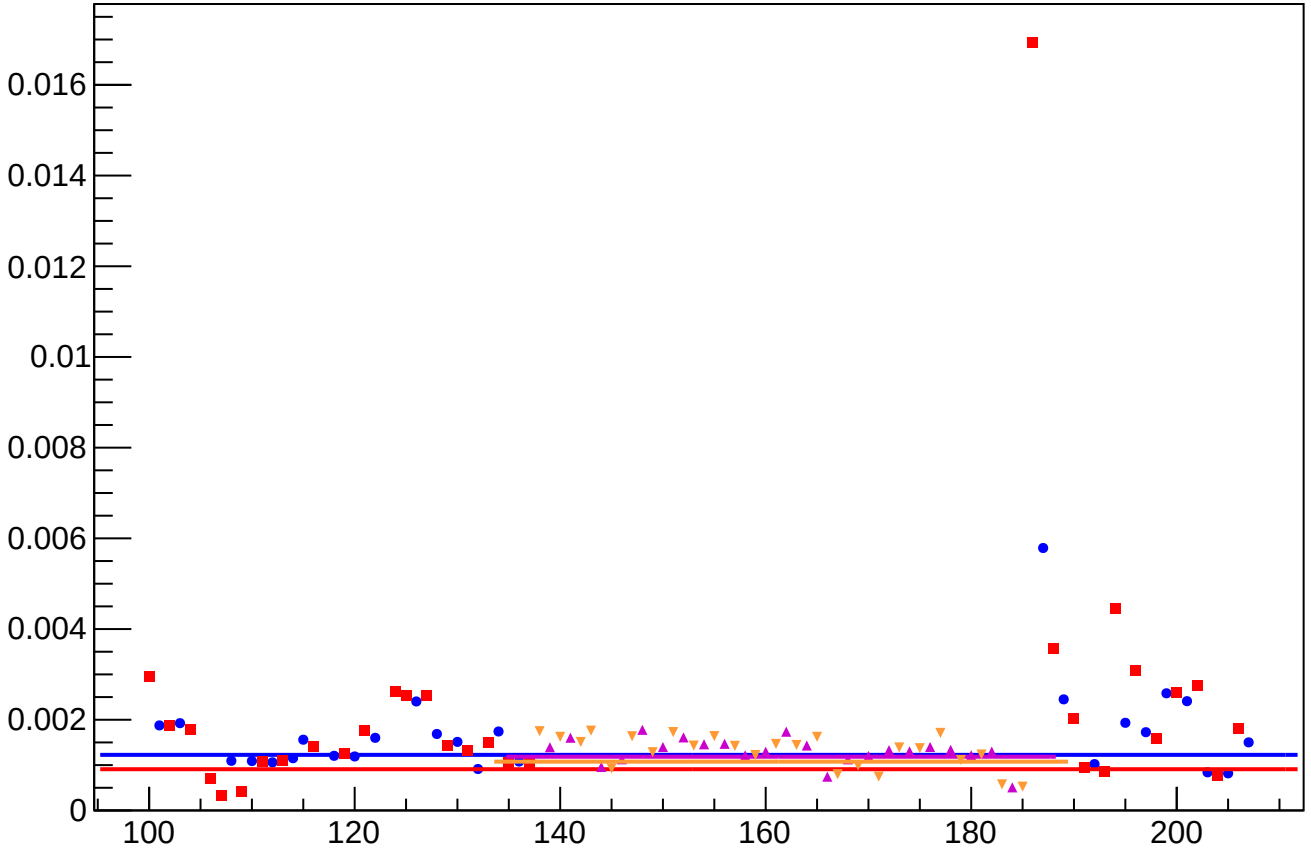
In: 21.589+/-0.003 χ^2/NDF:9017854.3/48

Out: 22.677+/-0.003 χ^2/NDF:10540108.7/55

All: 22.120+/-0.002 χ^2/NDF: 19622199.7/104


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.08
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 32.4/25
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.4/30
Left In: -0.000+/-0.000 χ²/NDF:19.8/22
Left: 0.000+/-0.000 χ²/NDF: 73.0/47
Right: -0.000+/-0.000 χ²/NDF: 65.9/56
In: 0.000+/-0.000 χ²/NDF:54.0/48
Out: -0.000+/-0.000 χ²/NDF:84.5/55
All: 0.000+/-0.000 χ²/NDF: 139.3/104

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3389246.5/25

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

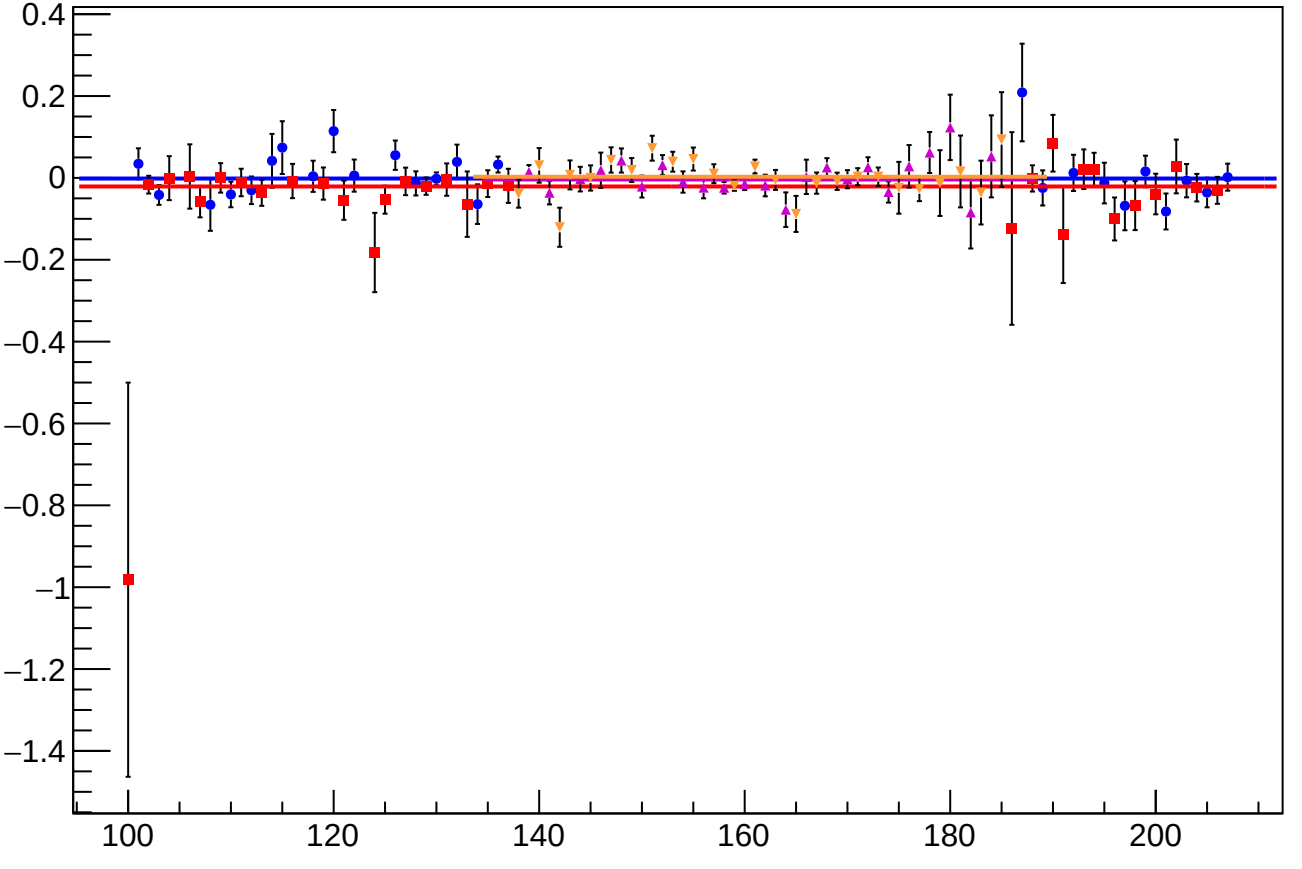
Right: 0.001+/-0.000 χ^2/NDF: 15414300.2/56

In: 0.001+/-0.000 χ^2/NDF:5862380.8/48

Out: 0.001+/-0.000 χ^2/NDF:15955829.7/55

All: 0.001+/-0.000 χ^2/NDF: 22759006.7/104

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/25

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

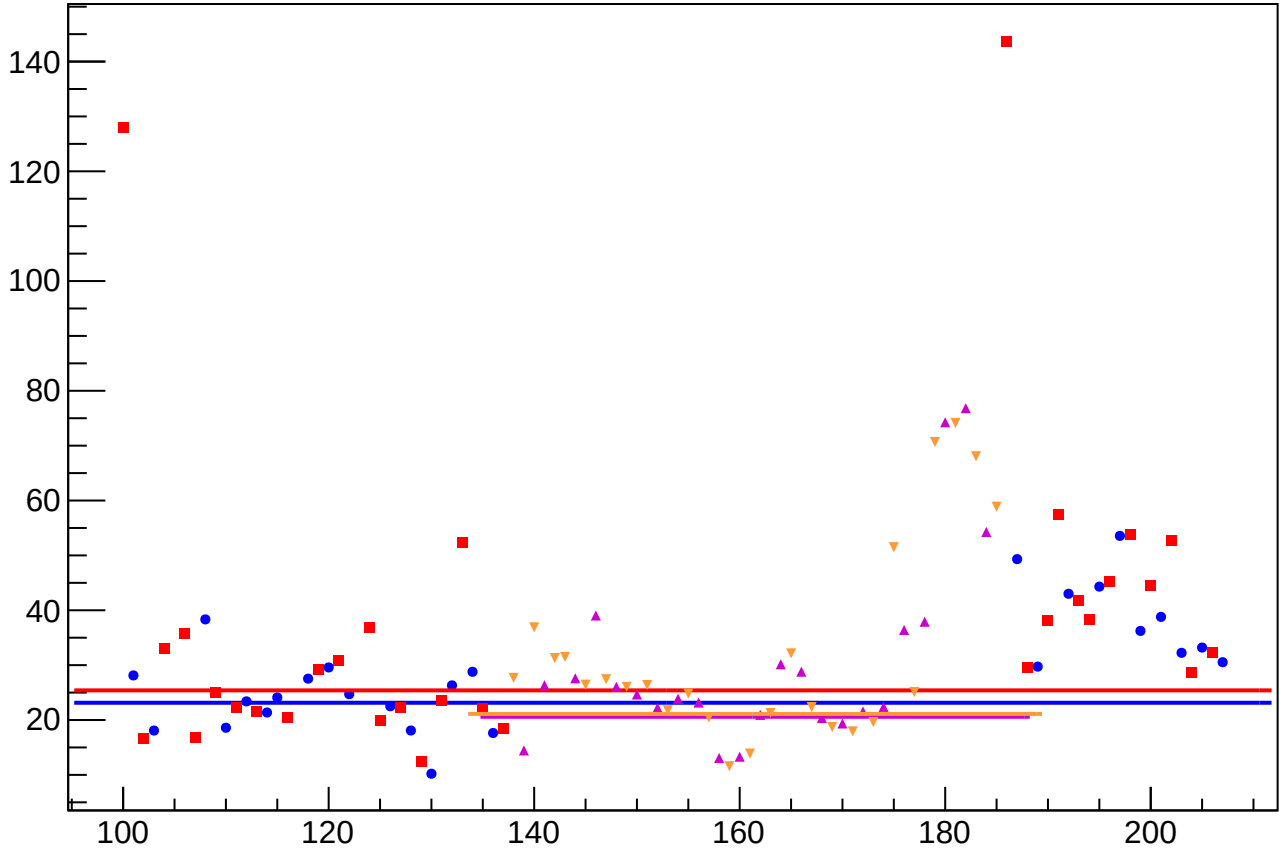
Right: -0.011+/-0.005 χ^2/NDF: 55.4/56

In: -0.003+/-0.004 χ^2/NDF:56.2/48

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.2/104

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.146+/-0.005 χ^2/NDF: 4245559.8/25

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

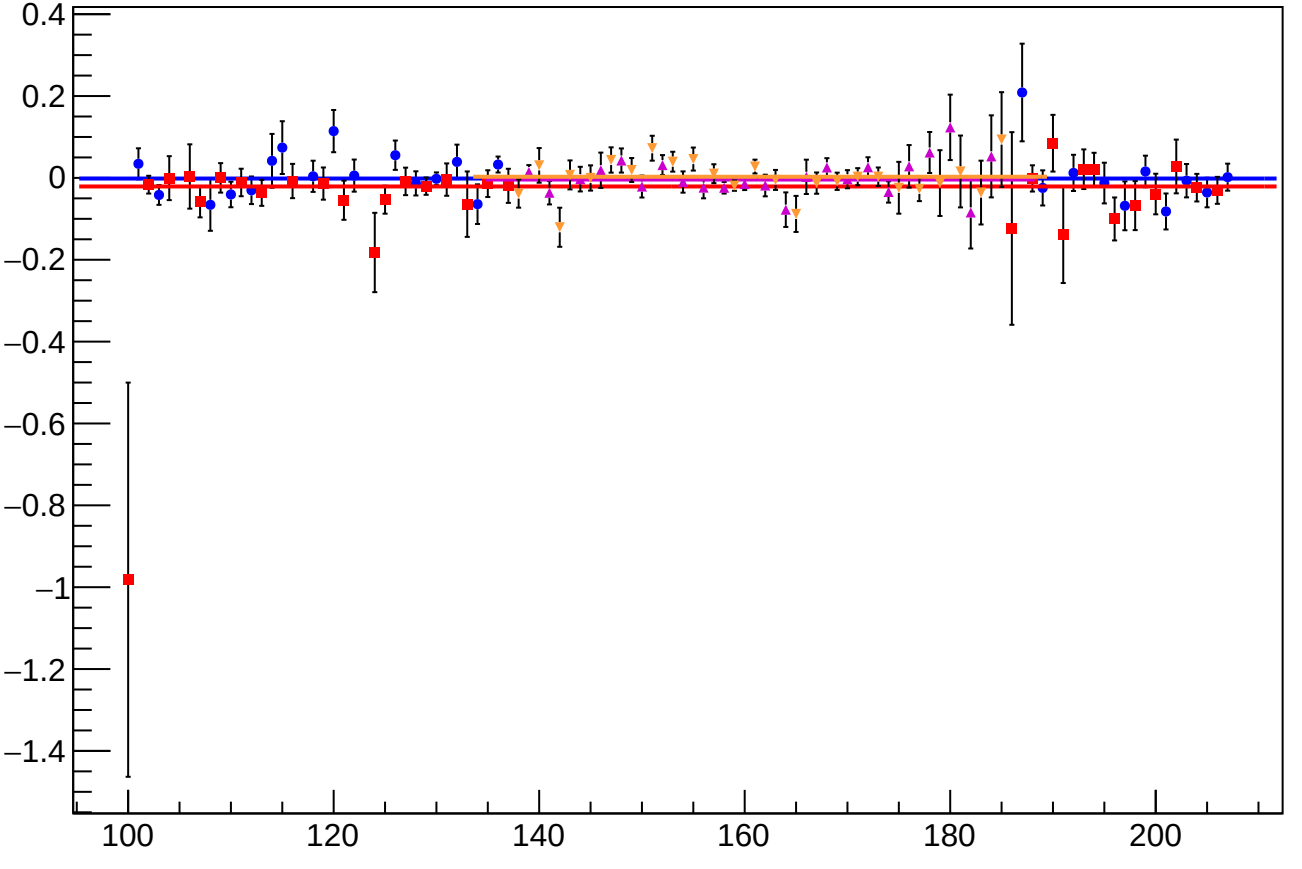
Right: 24.210+/-0.003 χ^2/NDF: 8890267.9/56

In: 21.589+/-0.003 χ^2/NDF:9017624.4/48

Out: 22.678+/-0.003 χ^2/NDF:10540246.6/55

All: 22.121+/-0.002 χ^2/NDF: 19622084.4/104

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/25

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

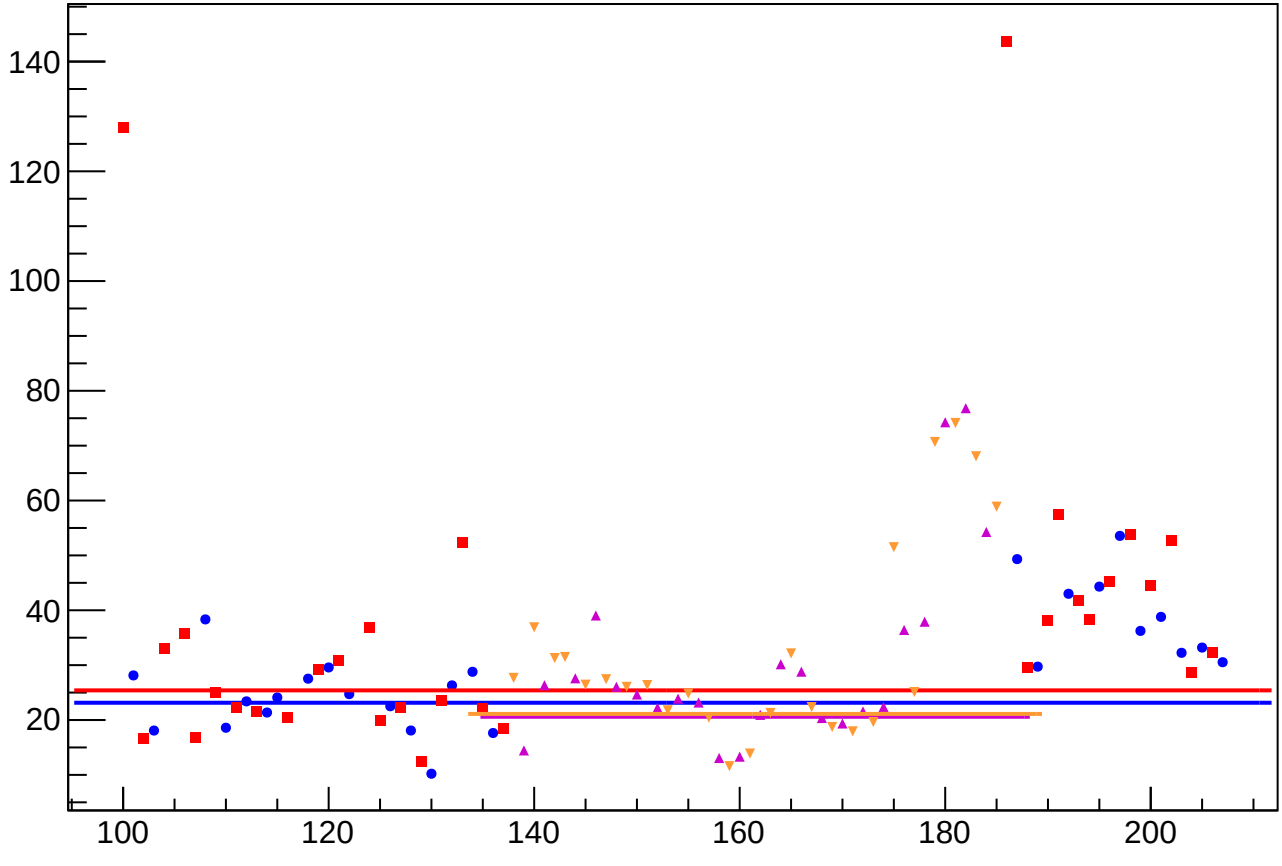
Right: -0.011+/-0.005 χ^2/NDF: 55.4/56

In: -0.003+/-0.004 χ^2/NDF:56.2/48

Out: -0.006+/-0.004 χ^2/NDF:59.8/55

All: -0.004+/-0.003 χ^2/NDF: 116.2/104

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.146+/-0.005 χ^2/NDF: 4245559.8/25

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

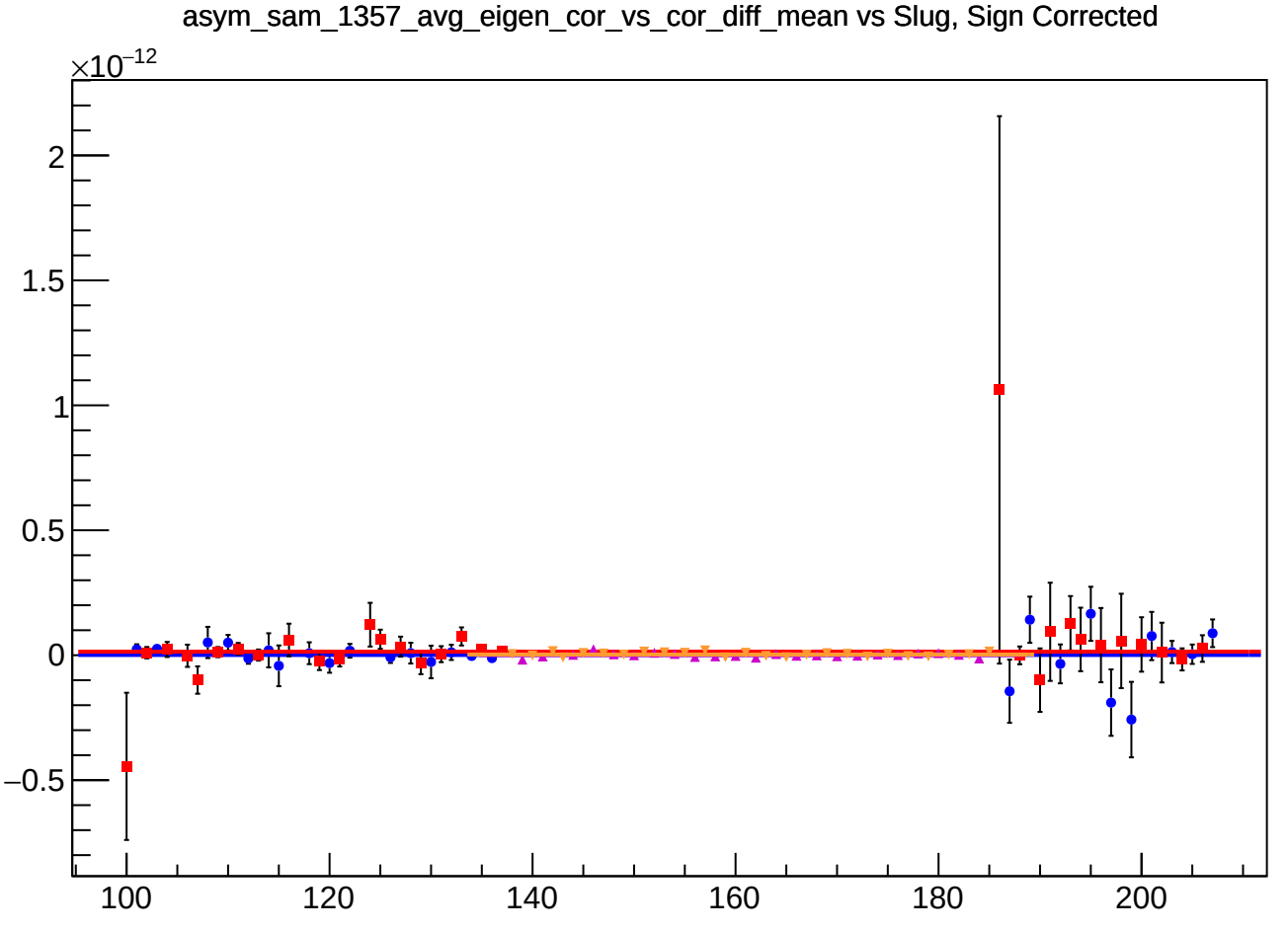
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 24.210+/-0.003 χ^2/NDF: 8890267.9/56

In: 21.589+/-0.003 χ^2/NDF:9017624.4/48

Out: 22.678+/-0.003 χ^2/NDF:10540246.6/55

All: 22.121+/-0.002 χ^2/NDF: 19622084.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 24.9/25

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/30

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

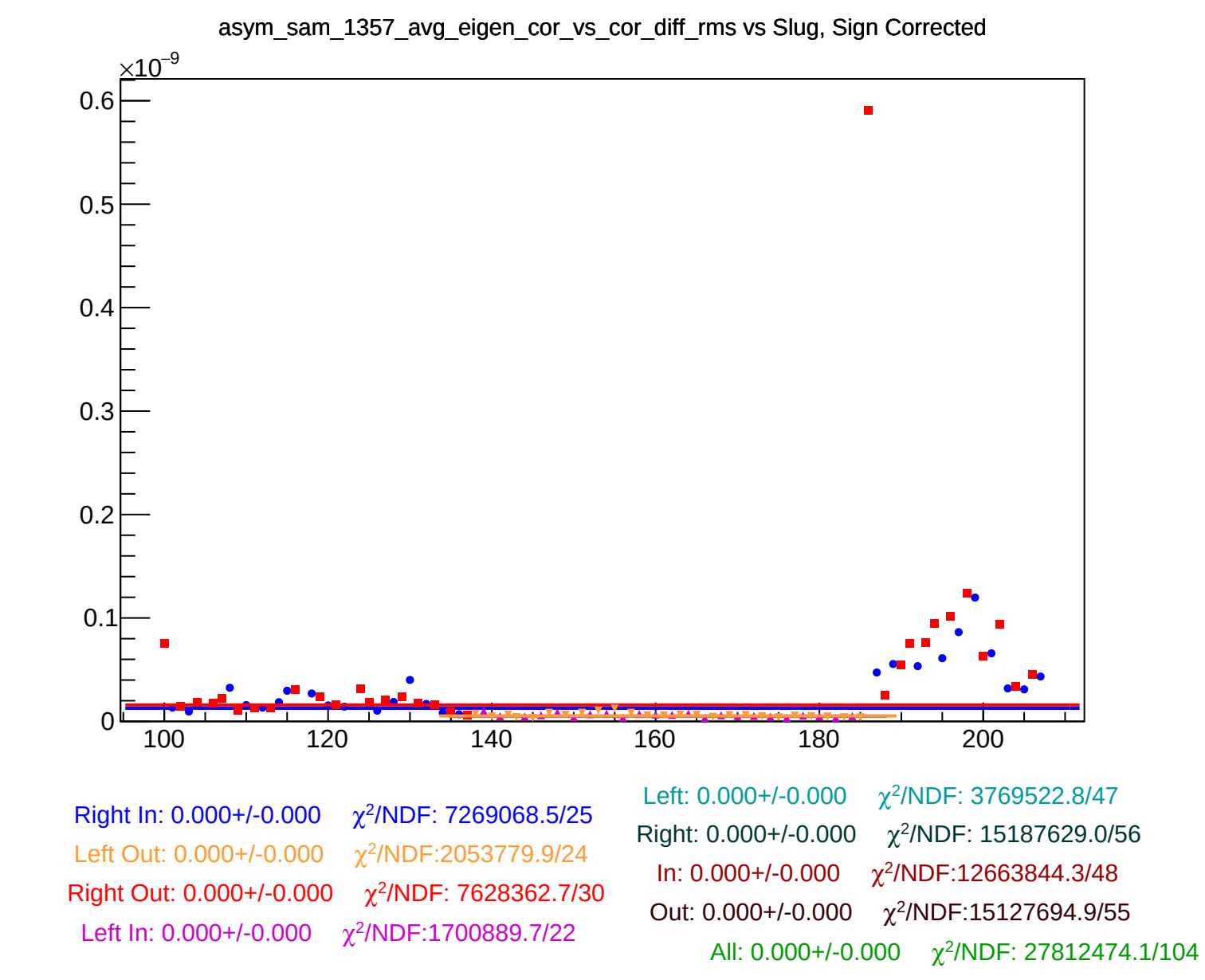
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

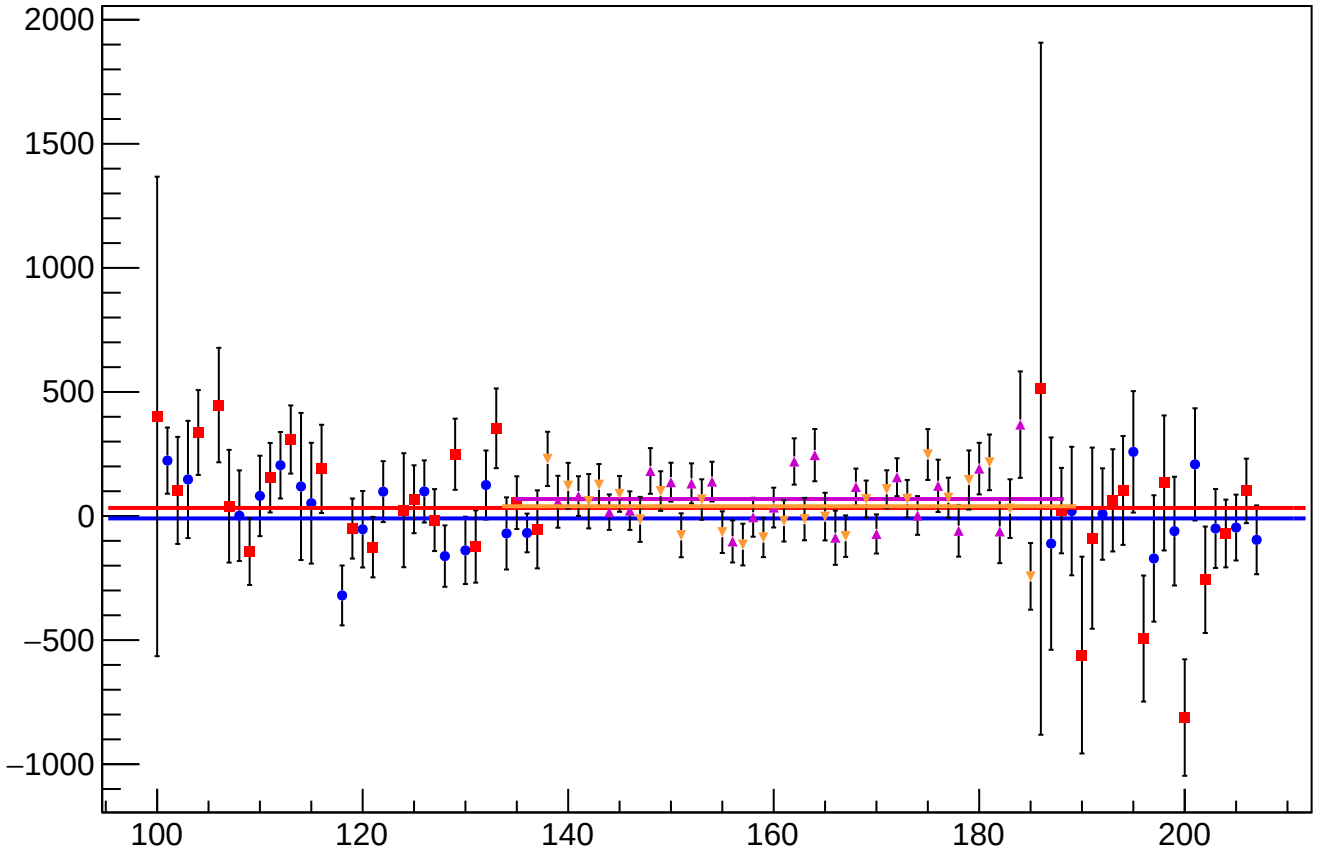
Right: 0.000+/-0.000 χ^2/NDF: 49.0/56

In: 0.000+/-0.000 χ^2/NDF:46.2/48

Out: 0.000+/-0.000 χ^2/NDF:45.5/55

All: 0.000+/-0.000 χ^2/NDF: 93.1/104


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 7269068.5/25
Left Out: 0.000+/-0.000 χ²/NDF:2053779.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7628362.7/30
Left In: 0.000+/-0.000 χ²/NDF:1700889.7/22
Left: 0.000+/-0.000 χ²/NDF: 3769522.8/47
Right: 0.000+/-0.000 χ²/NDF: 15187629.0/56
In: 0.000+/-0.000 χ²/NDF:12663844.3/48
Out: 0.000+/-0.000 χ²/NDF:15127694.9/55
All: 0.000+/-0.000 χ²/NDF: 27812474.1/104



Right In: -9.585+/-29.866 χ^2/NDF: 22.1/25

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

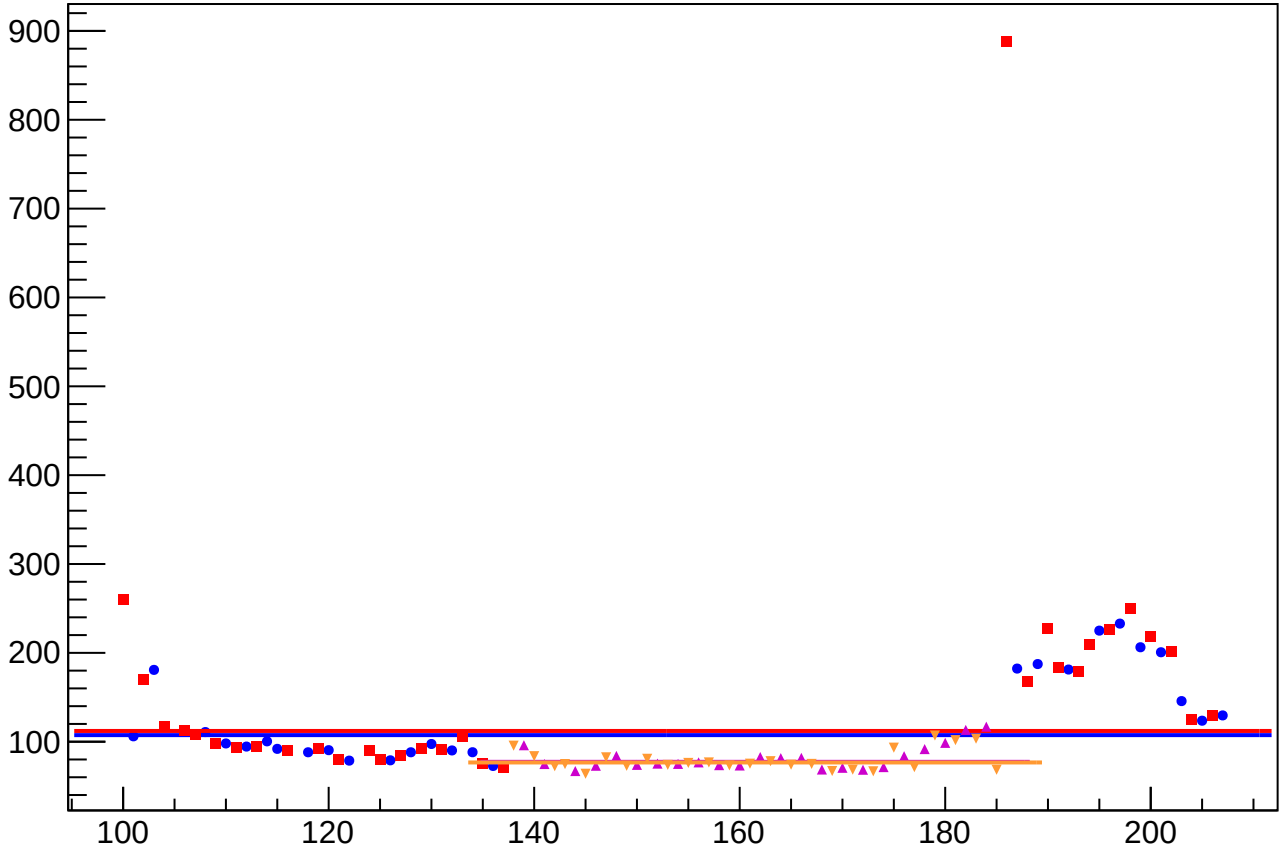
Right: 11.267+/-21.238 χ^2/NDF: 69.8/56

In: 47.243+/-15.614 χ^2/NDF:56.1/48

Out: 37.724+/-15.250 χ^2/NDF:78.7/55

All: 42.371+/-10.910 χ^2/NDF: 135.0/104

reg_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.407+/-0.021 χ^2/NDF: 3503264.0/25

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

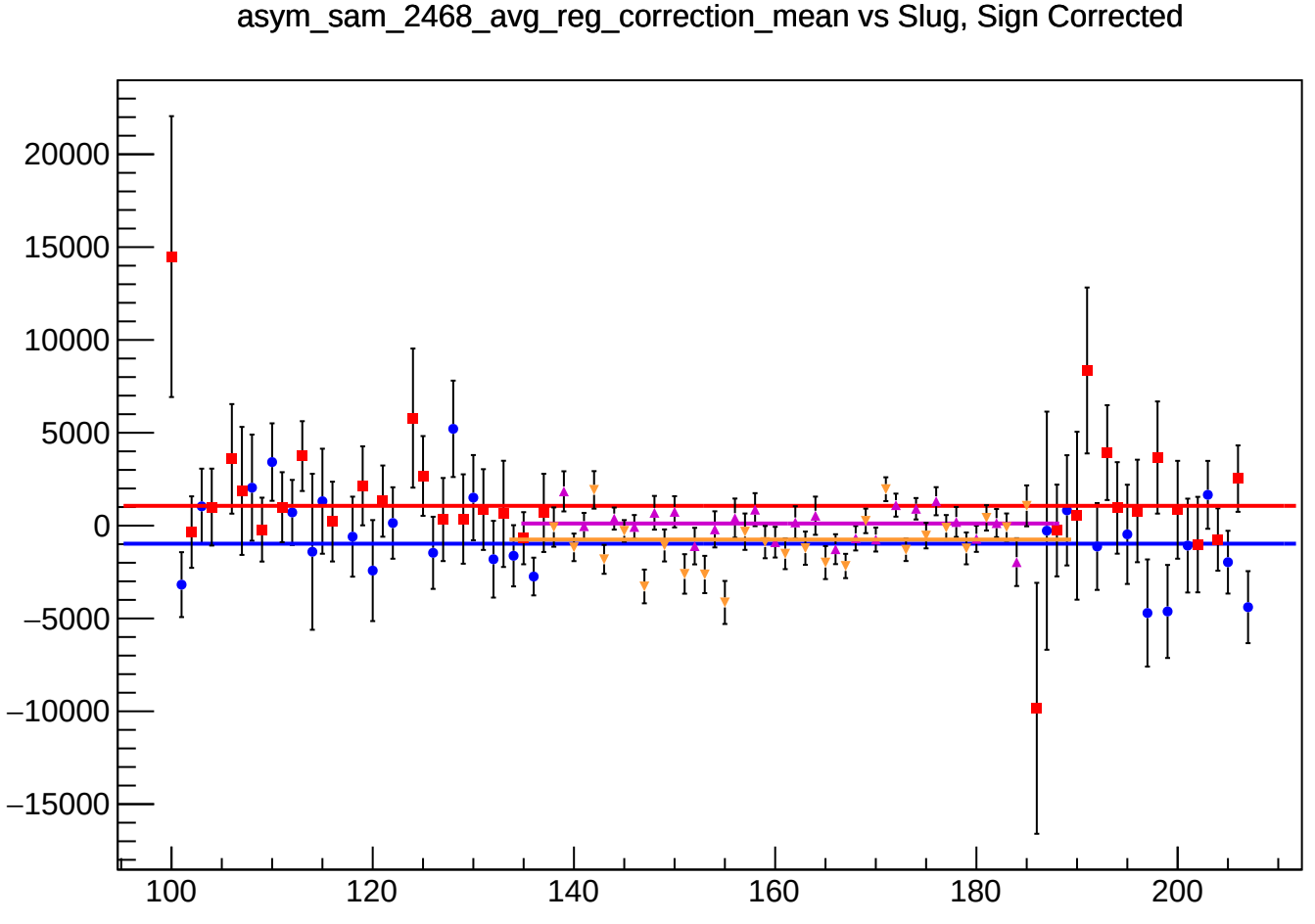
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

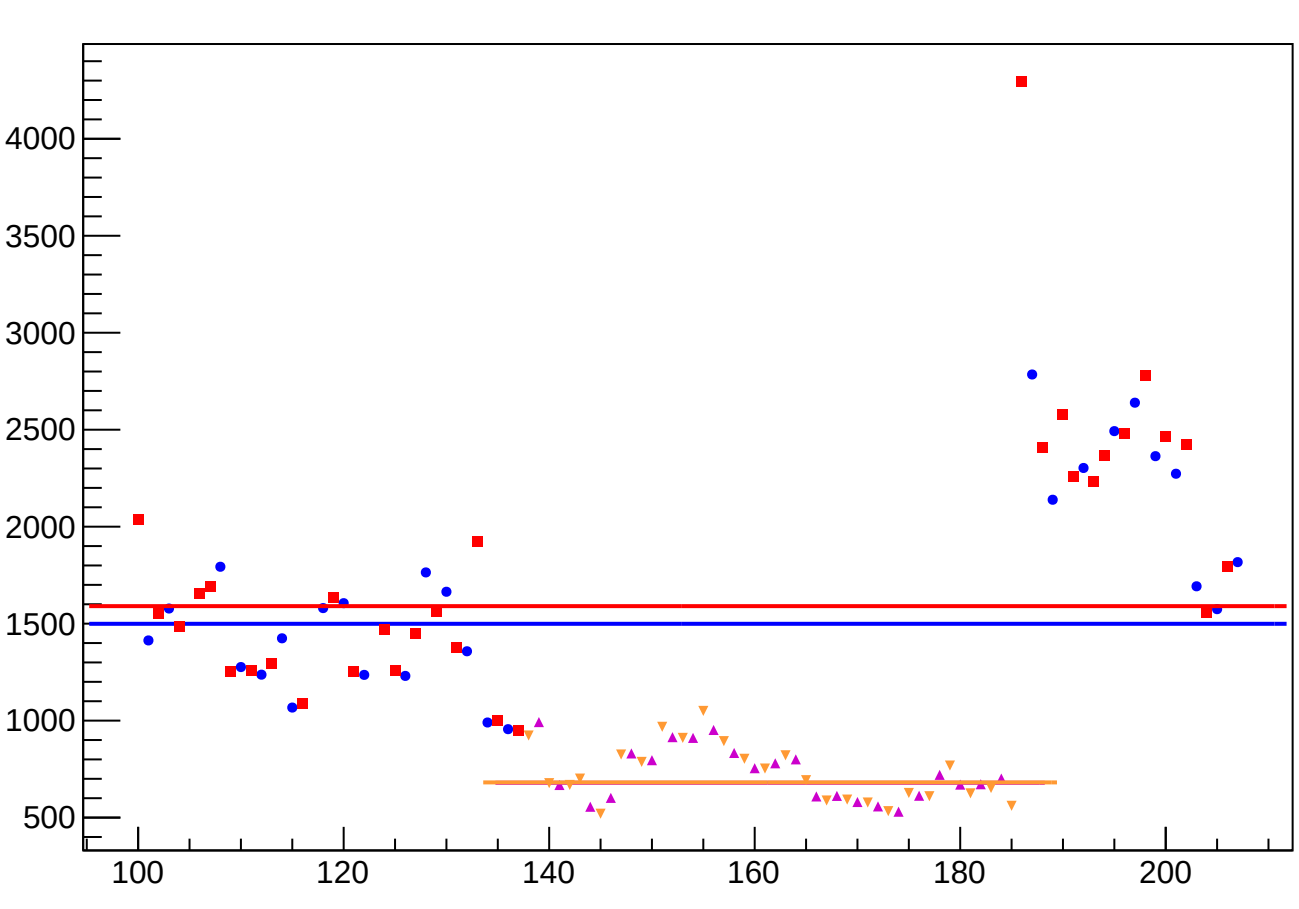
Right: 109.726+/-0.015 χ^2/NDF: 8135890.2/56

In: 85.564+/-0.011 χ^2/NDF:5565826.3/48

Out: 85.682+/-0.011 χ^2/NDF:7315586.2/55

All: 85.625+/-0.008 χ^2/NDF: 12881470.4/104


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: -973.618+/-406.995 χ²/NDF: 30.4/25
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: 30.762+/-289.869 χ²/NDF: 64.3/56
In: -34.621+/-150.362 χ²/NDF:61.6/48
Out: -517.736+/-147.633 χ²/NDF:108.4/55
All: -280.602+/-105.344 χ²/NDF: 175.2/104



Right In: 1499.221+/-0.288 χ^2/NDF: 2532445.6/25

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

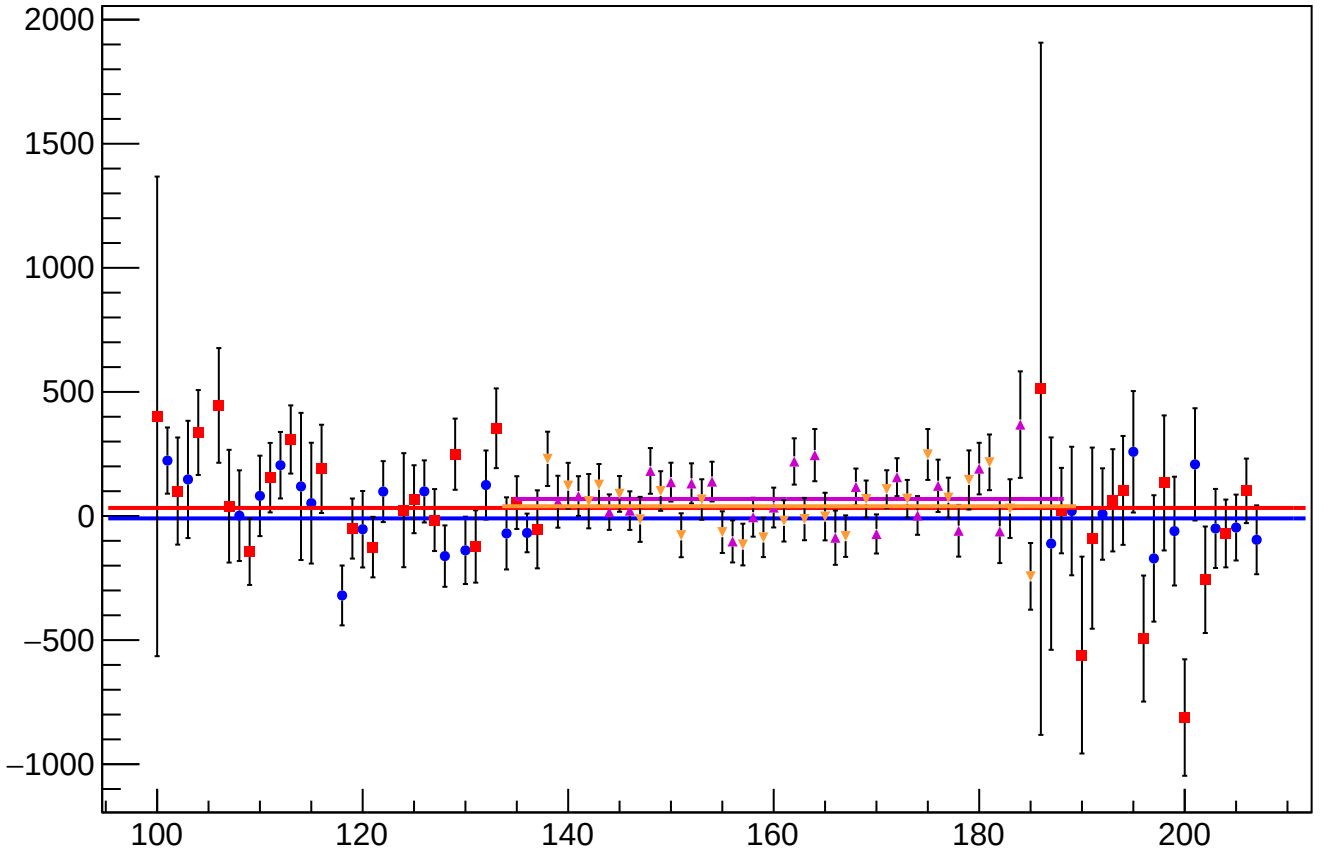
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1544.102+/-0.205 χ^2/NDF: 5580921.6/56

In: 791.308+/-0.106 χ^2/NDF:10724906.3/48

Out: 797.597+/-0.104 χ^2/NDF:12783599.0/55

All: 794.510+/-0.074 χ^2/NDF: 23510286.6/10



Right In: -9.595+/-29.866 χ^2/NDF: 22.1/25

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

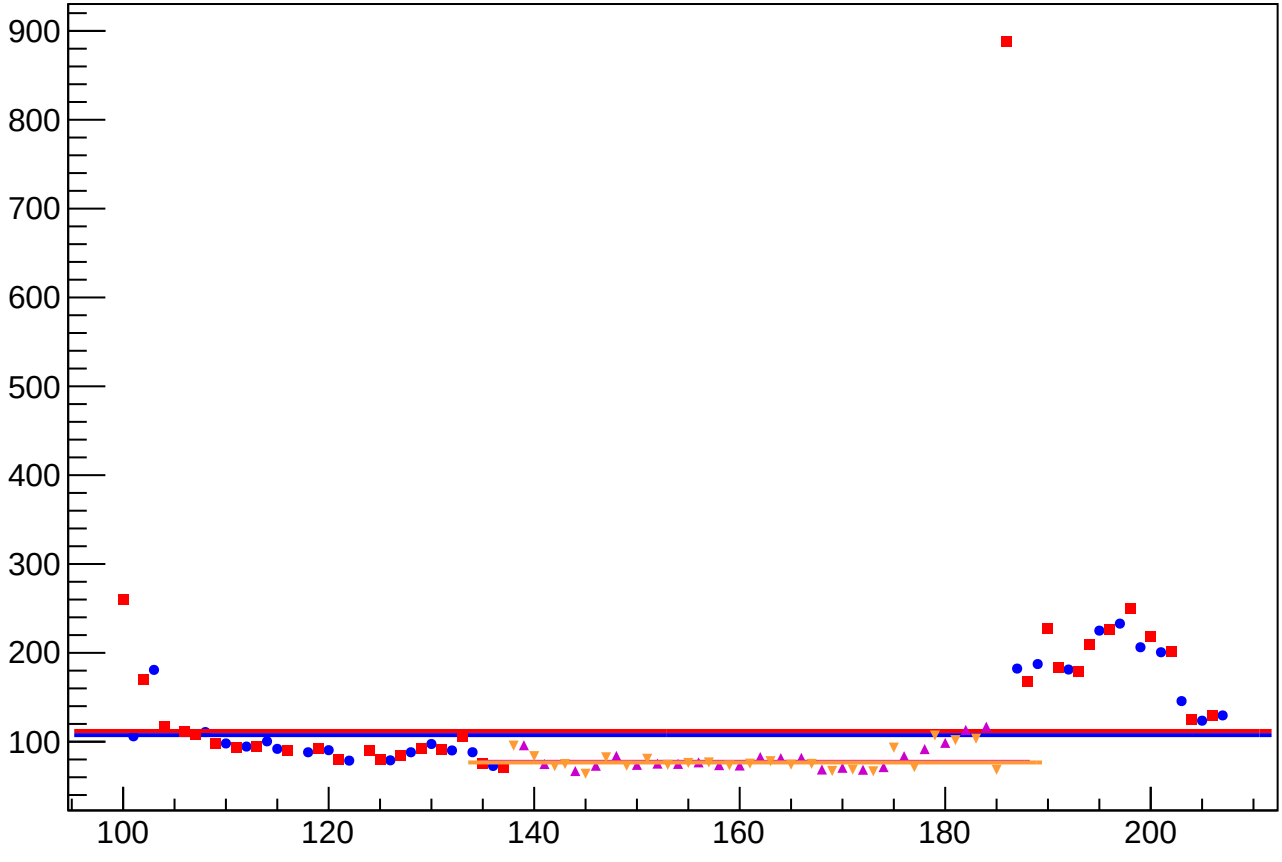
Right: 11.209+/-21.238 χ^2/NDF: 69.8/56

In: 47.241+/-15.614 χ^2/NDF:56.1/48

Out: 37.702+/-15.250 χ^2/NDF:78.7/55

All: 42.359+/-10.910 χ^2/NDF: 135.0/104

cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.407+/-0.021 χ^2/NDF: 3503267.6/25

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

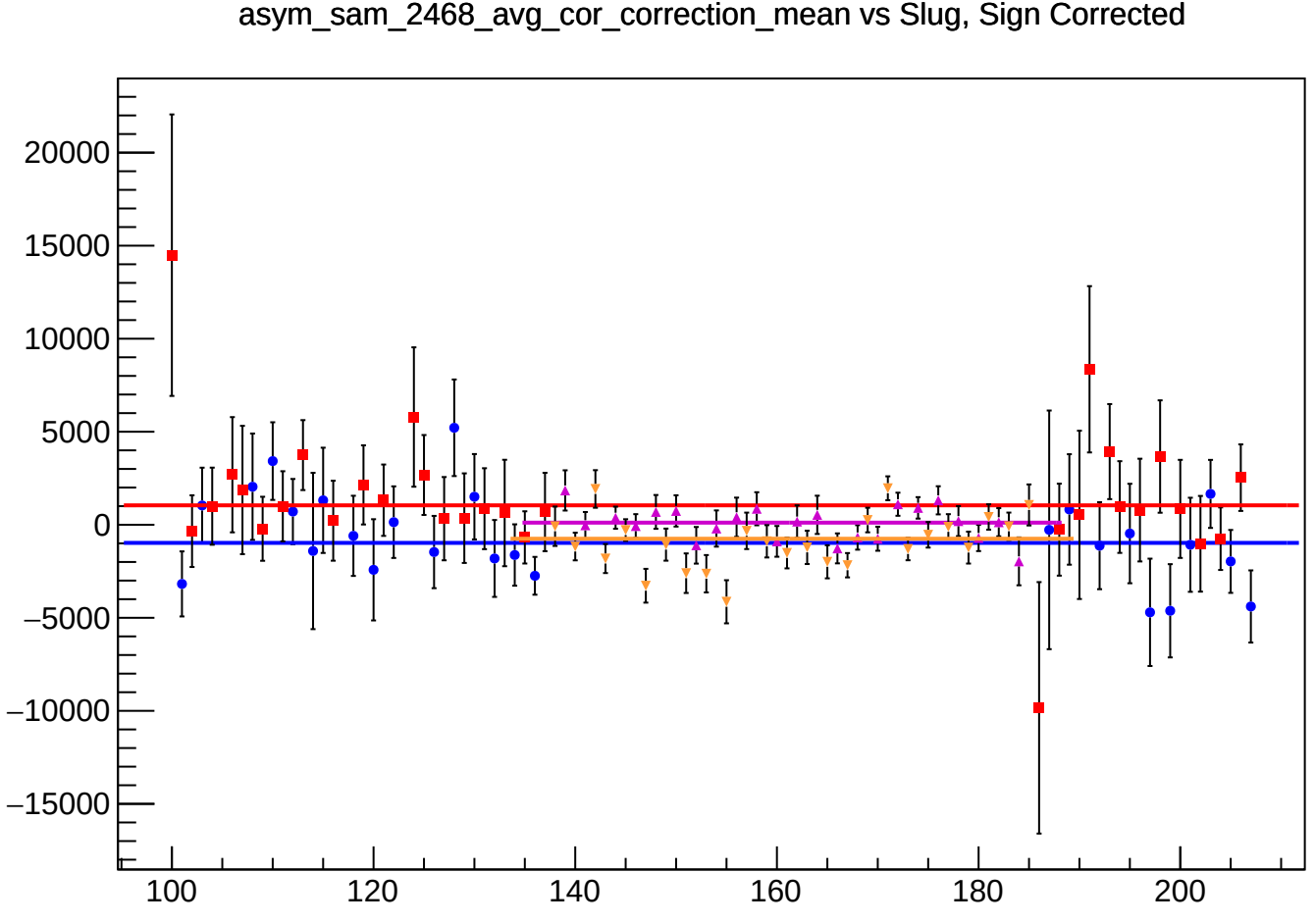
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

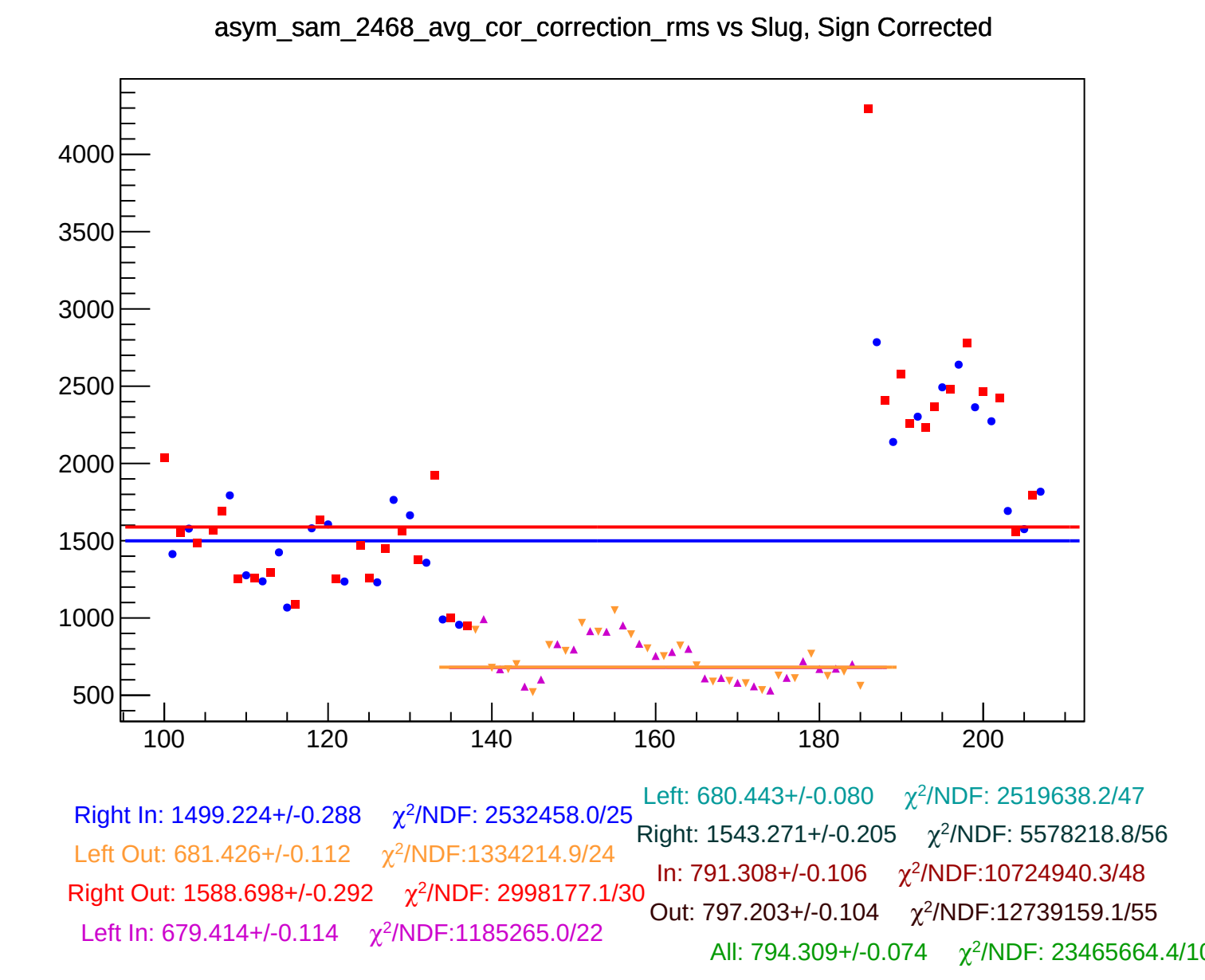
Right: 109.715+/-0.015 χ^2/NDF: 8135908.8/56

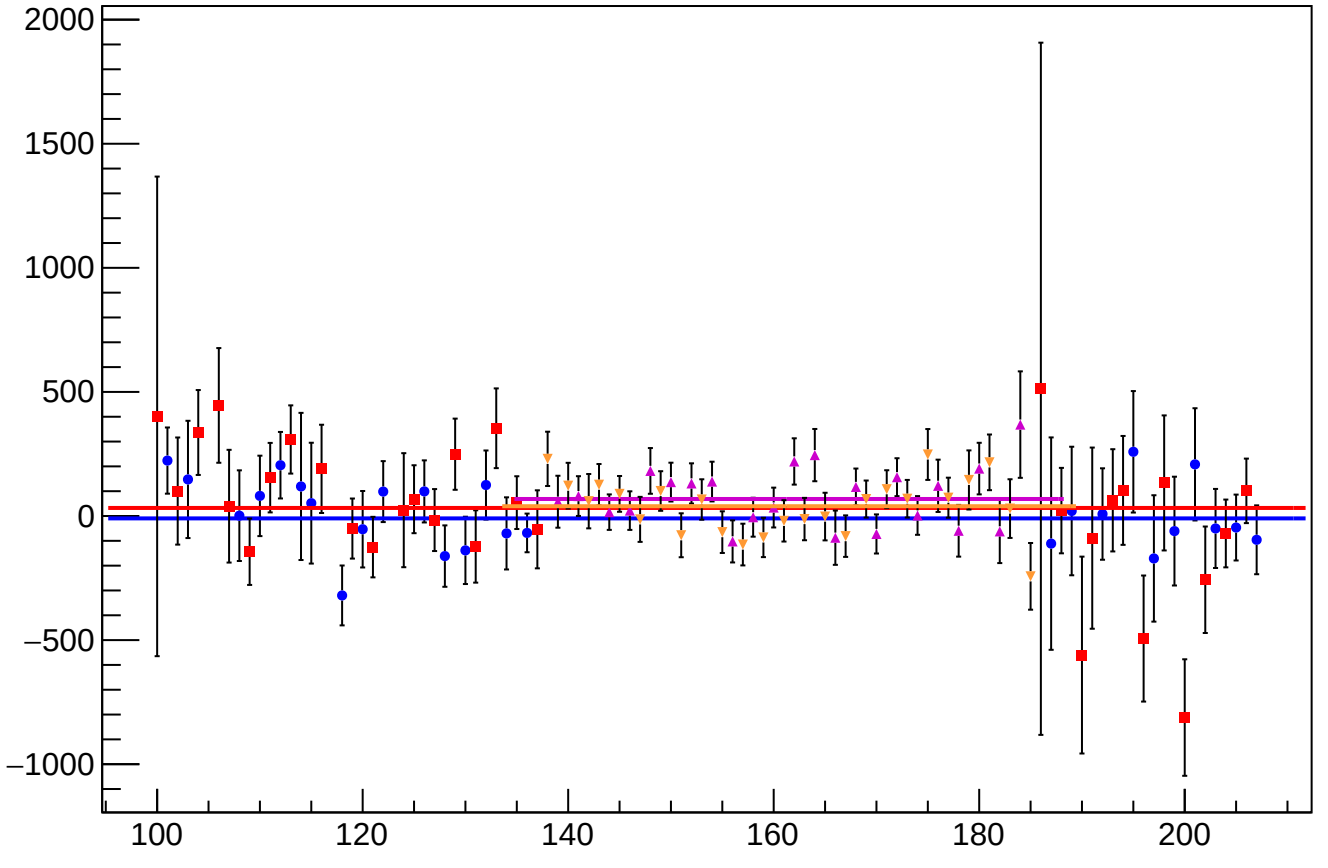
In: 85.564+/-0.011 χ^2/NDF:5565829.9/48

Out: 85.676+/-0.011 χ^2/NDF:7313137.1/55

All: 85.621+/-0.008 χ^2/NDF: 12879019.0/104


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: -973.593+/-406.996 χ²/NDF: 30.4/25
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: 19.841+/-290.002 χ²/NDF: 63.6/56
In: -34.617+/-150.362 χ²/NDF:61.6/48
Out: -520.694+/-147.650 χ²/NDF:107.5/55
All: -282.077+/-105.350 χ²/NDF: 174.4/104


asym_sam_2468_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1499.224+/-0.288 χ²/NDF: 2532458.0/25
Left Out: 681.426+/-0.112 χ²/NDF:1334214.9/24
Right Out: 1588.698+/-0.292 χ²/NDF: 2998177.1/30
Left In: 679.414+/-0.114 χ²/NDF:1185265.0/22
Left: 680.443+/-0.080 χ²/NDF: 2519638.2/47
Right: 1543.271+/-0.205 χ²/NDF: 5578218.8/56
In: 791.308+/-0.106 χ²/NDF:10724940.3/48
Out: 797.203+/-0.104 χ²/NDF:12739159.1/55
All: 794.309+/-0.074 χ²/NDF: 23465664.4/10



Right In: -9.595+/-29.866 χ^2/NDF: 22.1/25

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

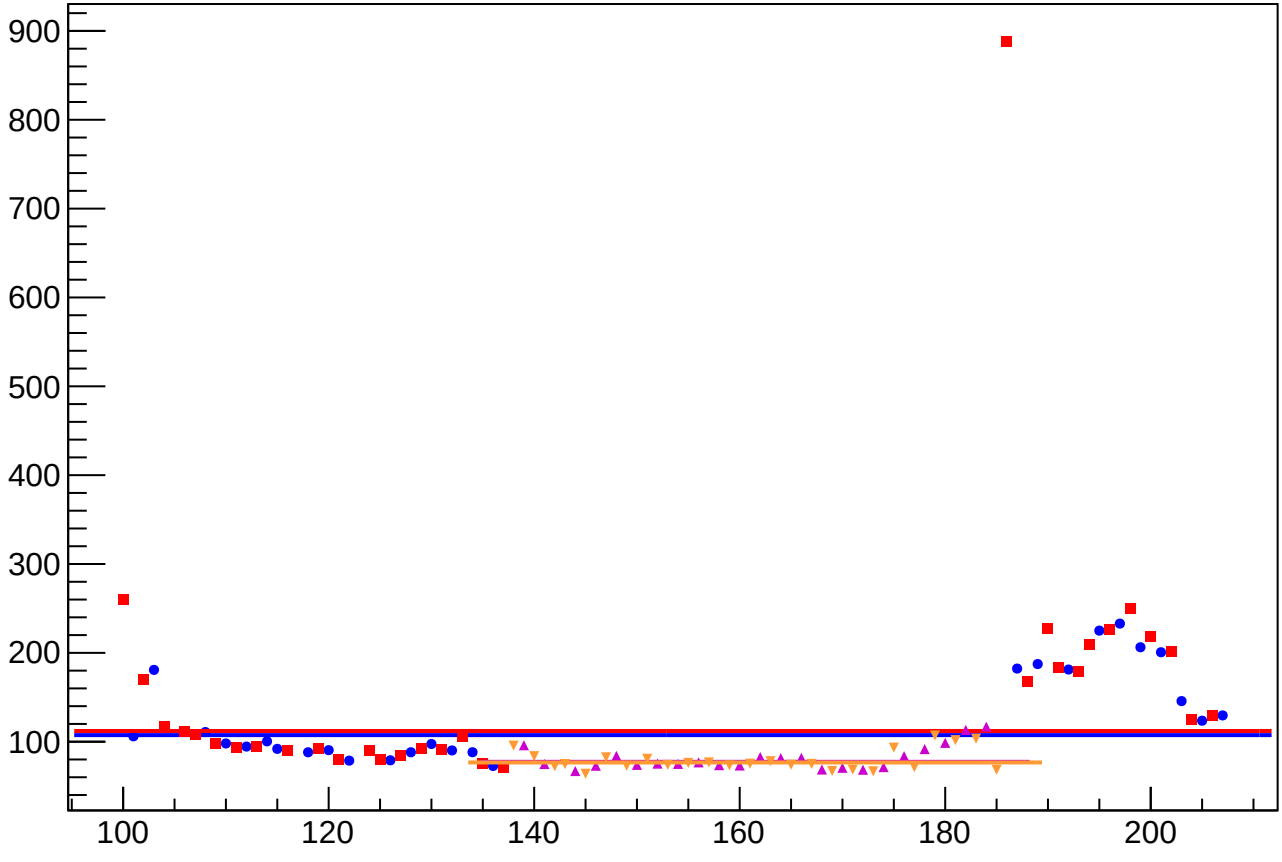
Right: 11.209+/-21.238 χ^2/NDF: 69.8/56

In: 47.241+/-15.614 χ^2/NDF:56.1/48

Out: 37.702+/-15.250 χ^2/NDF:78.7/55

All: 42.359+/-10.910 χ^2/NDF: 135.0/104

eigen_cor_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 107.407+/-0.021 χ^2/NDF: 3503267.6/25

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

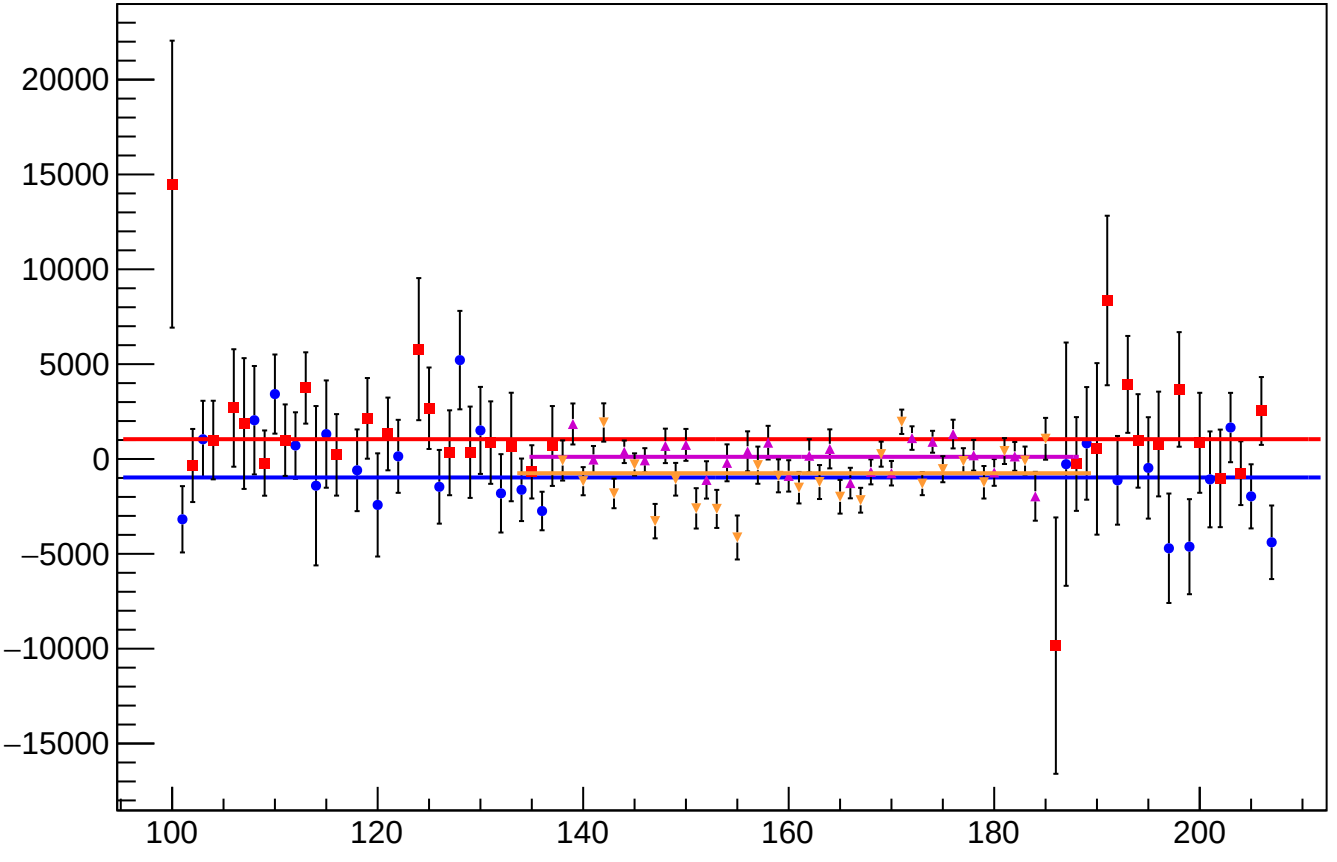
Right: 109.715+/-0.015 χ^2/NDF: 8135908.8/56

In: 85.564+/-0.011 χ^2/NDF:5565829.9/48

Out: 85.676+/-0.011 χ^2/NDF:7313137.1/55

All: 85.621+/-0.008 χ^2/NDF: 12879019.0/104

asym_sam_2468_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -973.593+/-406.996 χ^2/NDF: 30.4/25

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 1044.421+/-413.326 χ^2/NDF: 21.1/30

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

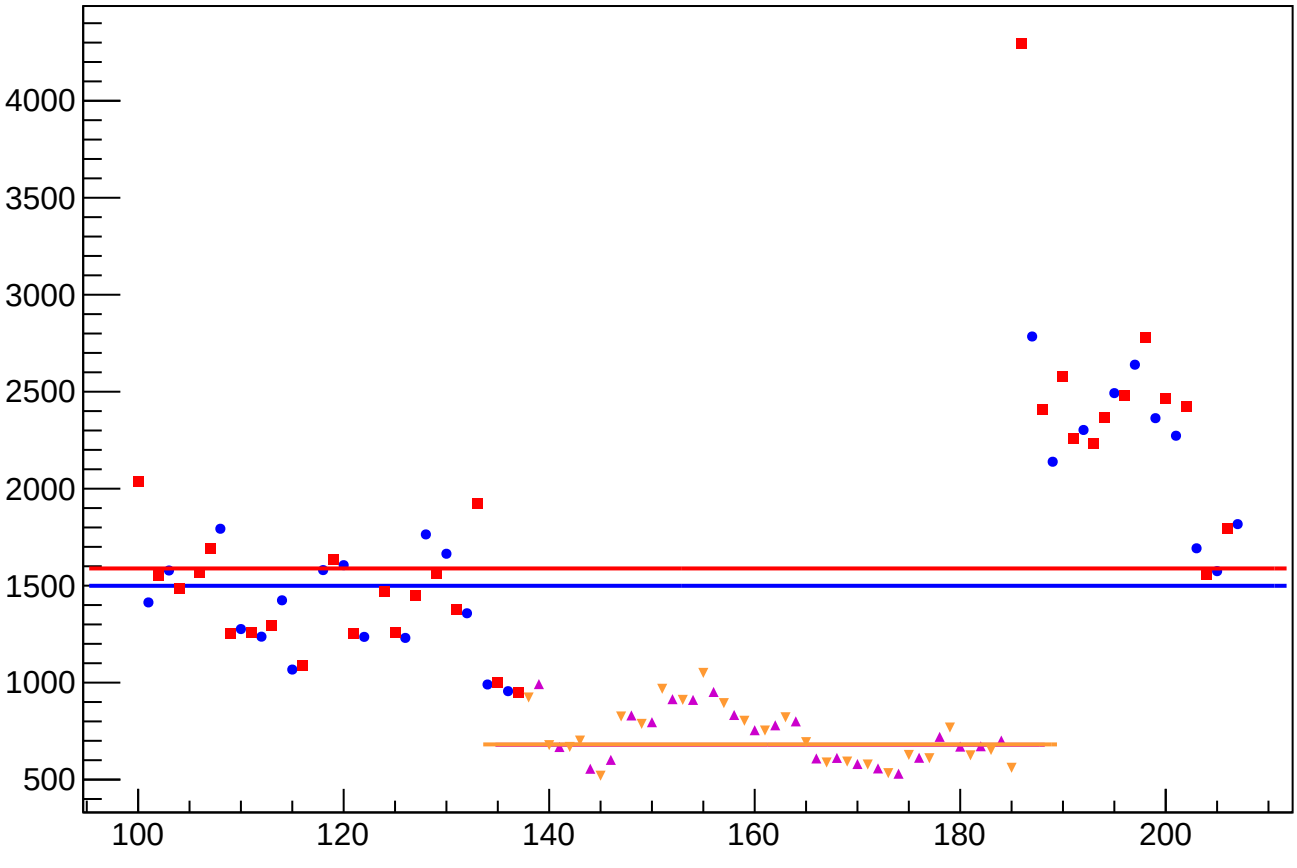
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 19.841+/-290.002 χ^2/NDF: 63.6/56

In: -34.617+/-150.362 χ^2/NDF:61.6/48

Out: -520.694+/-147.650 χ^2/NDF:107.5/55

All: -282.077+/-105.350 χ^2/NDF: 174.4/104



Right In: 1499.224+/-0.288 χ^2/NDF: 2532458.0/25

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

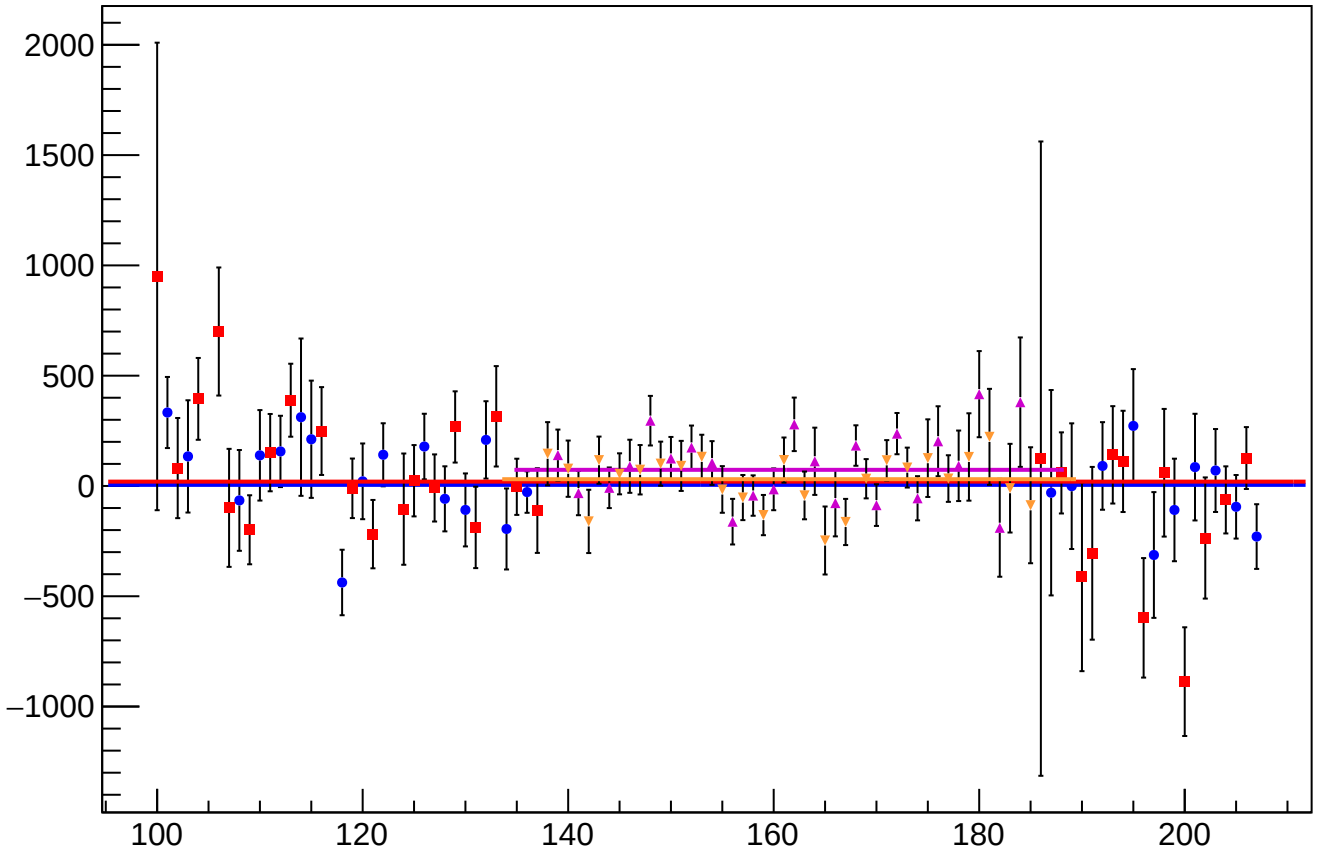
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1543.271+/-0.205 χ^2/NDF: 5578218.8/56

In: 791.308+/-0.106 χ^2/NDF:10724940.3/48

Out: 797.203+/-0.104 χ^2/NDF:12739159.1/55

All: 794.309+/-0.074 χ^2/NDF: 23465664.4/10



Right In: 4.980+/-34.990 χ^2/NDF: 27.6/25

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

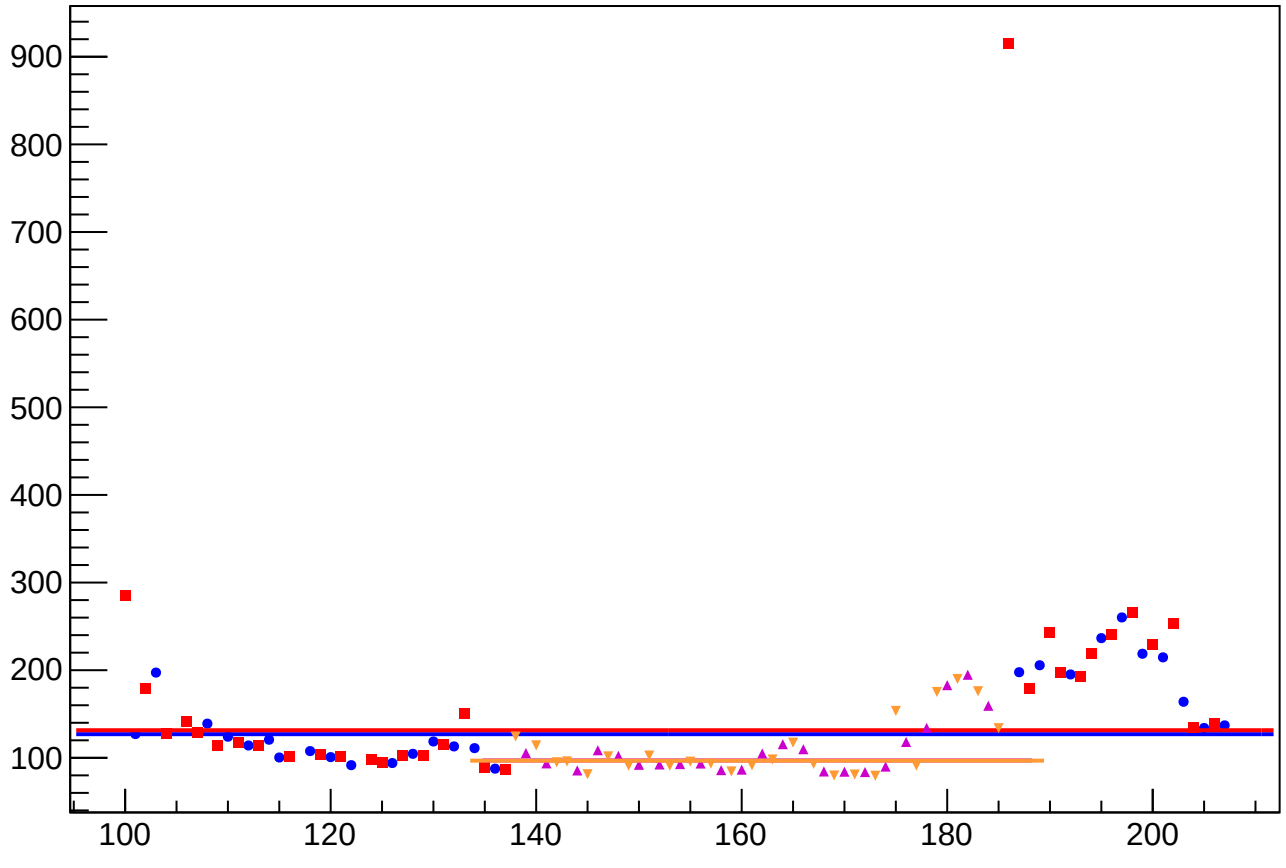
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 12.313+/-24.788 χ^2/NDF: 78.4/56

In: 51.944+/-19.514 χ^2/NDF:64.8/48

Out: 27.417+/-19.157 χ^2/NDF:70.7/55

All: 39.453+/-13.670 χ^2/NDF: 136.2/104



Right In: 126.995+/-0.025 χ^2/NDF: 2821865.4/25

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

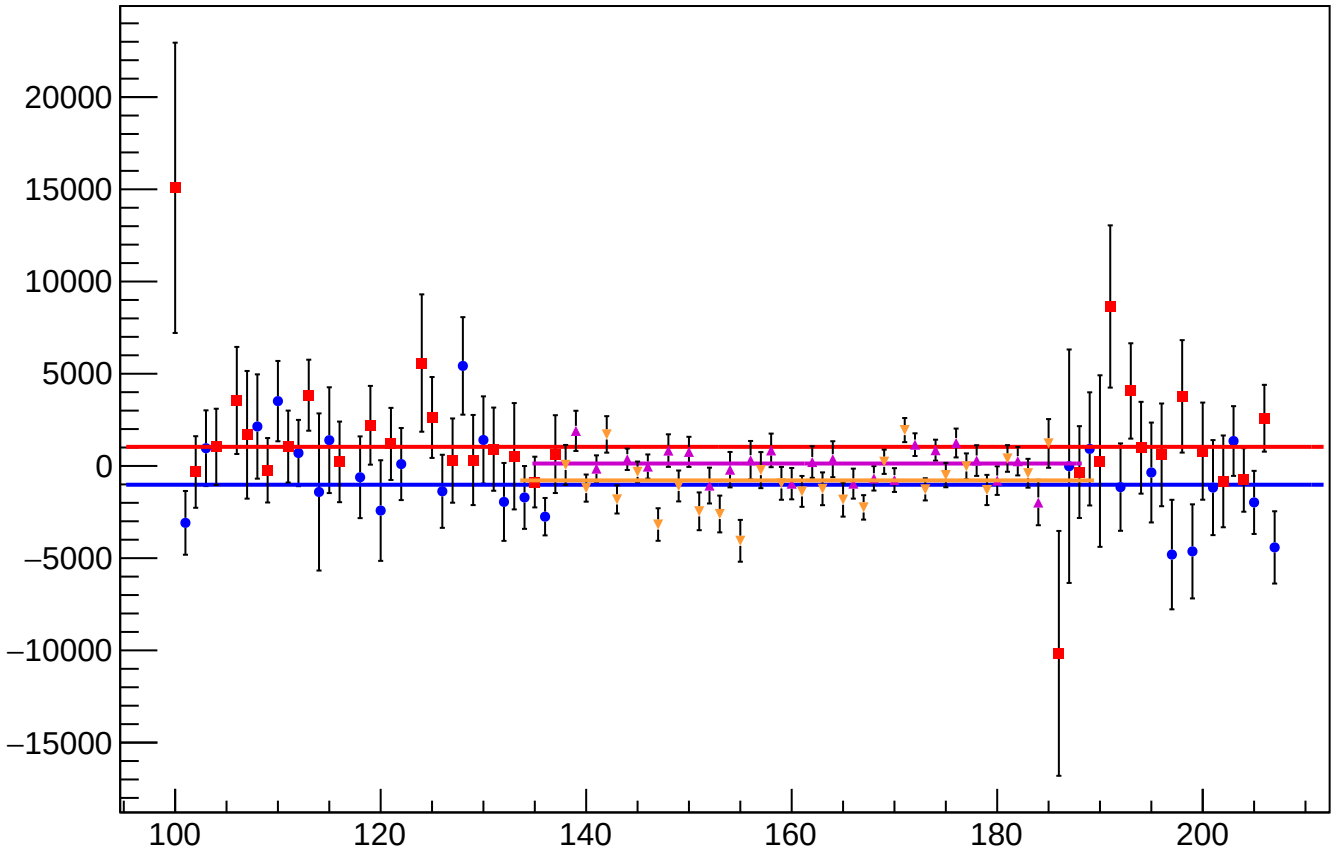
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 129.240+/-0.018 χ^2/NDF: 6713509.5/56

In: 106.341+/-0.014 χ^2/NDF:5154503.4/48

Out: 107.120+/-0.014 χ^2/NDF:6967597.1/55

All: 106.738+/-0.010 χ^2/NDF: 12123722.6/10



Right In: -1018.851+/-413.247 χ^2/NDF: 29.5/25

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

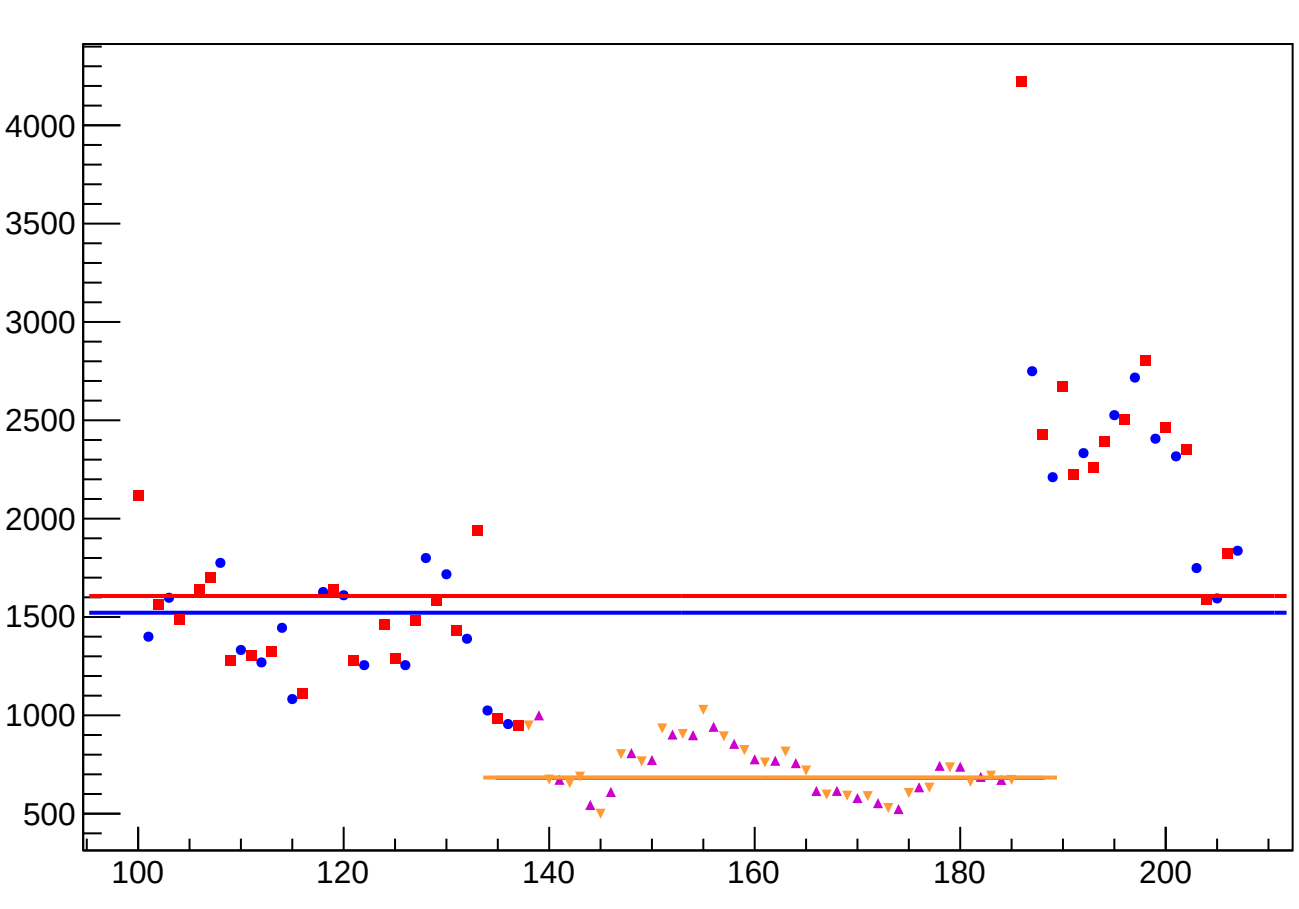
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: -0.571+/-293.477 χ^2/NDF: 64.3/56

In: -22.510+/-151.155 χ^2/NDF:60.5/48

Out: -554.387+/-148.012 χ^2/NDF:105.5/55

All: -294.036+/-105.754 χ^2/NDF: 172.3/104



Right In: 1521.688+/-0.292 χ^2/NDF: 2573087.3/25

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

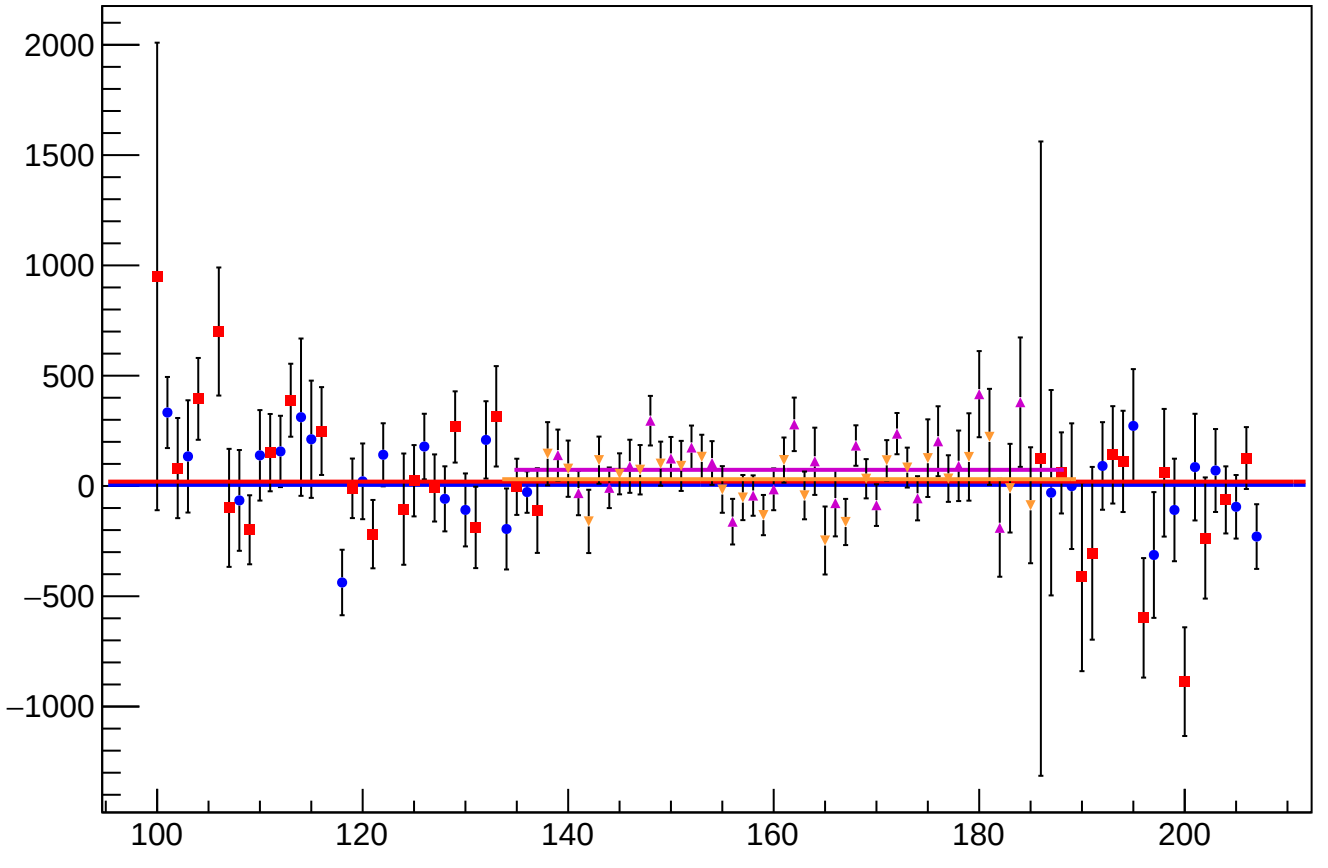
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

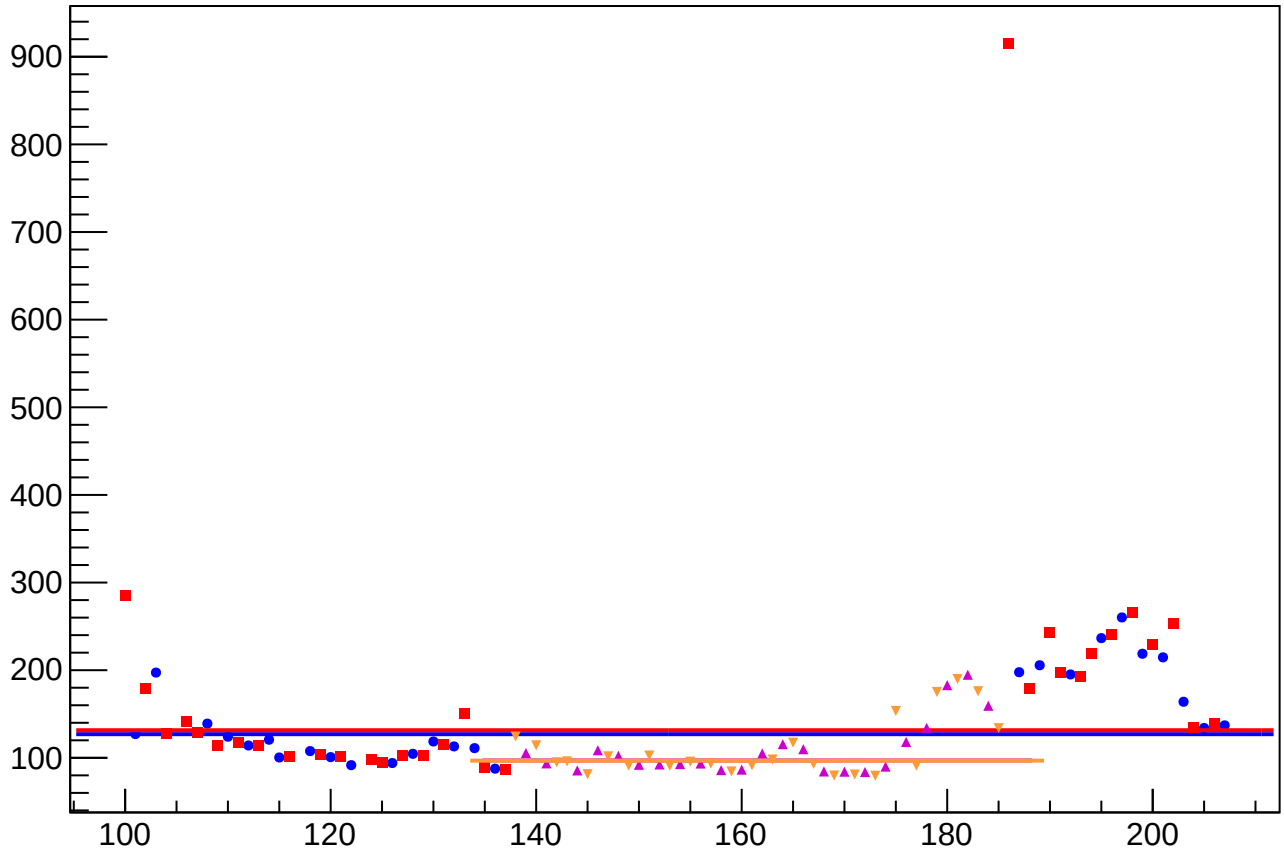
Right: 1563.820+/-0.208 χ^2/NDF: 5586043.3/56

In: 794.309+/-0.107 χ^2/NDF:10912584.5/48

Out: 800.063+/-0.105 χ^2/NDF:12838033.8/55

All: 797.247+/-0.075 χ^2/NDF: 23752097.8/10


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: 4.981+/-34.989 χ²/NDF: 27.6/25
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: 12.314+/-24.788 χ²/NDF: 78.4/56
In: 51.943+/-19.514 χ²/NDF:64.8/48
Out: 27.417+/-19.157 χ²/NDF:70.7/55
All: 39.453+/-13.670 χ²/NDF: 136.2/104



Right In: 126.994+/-0.025 χ^2/NDF: 2821884.2/25

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

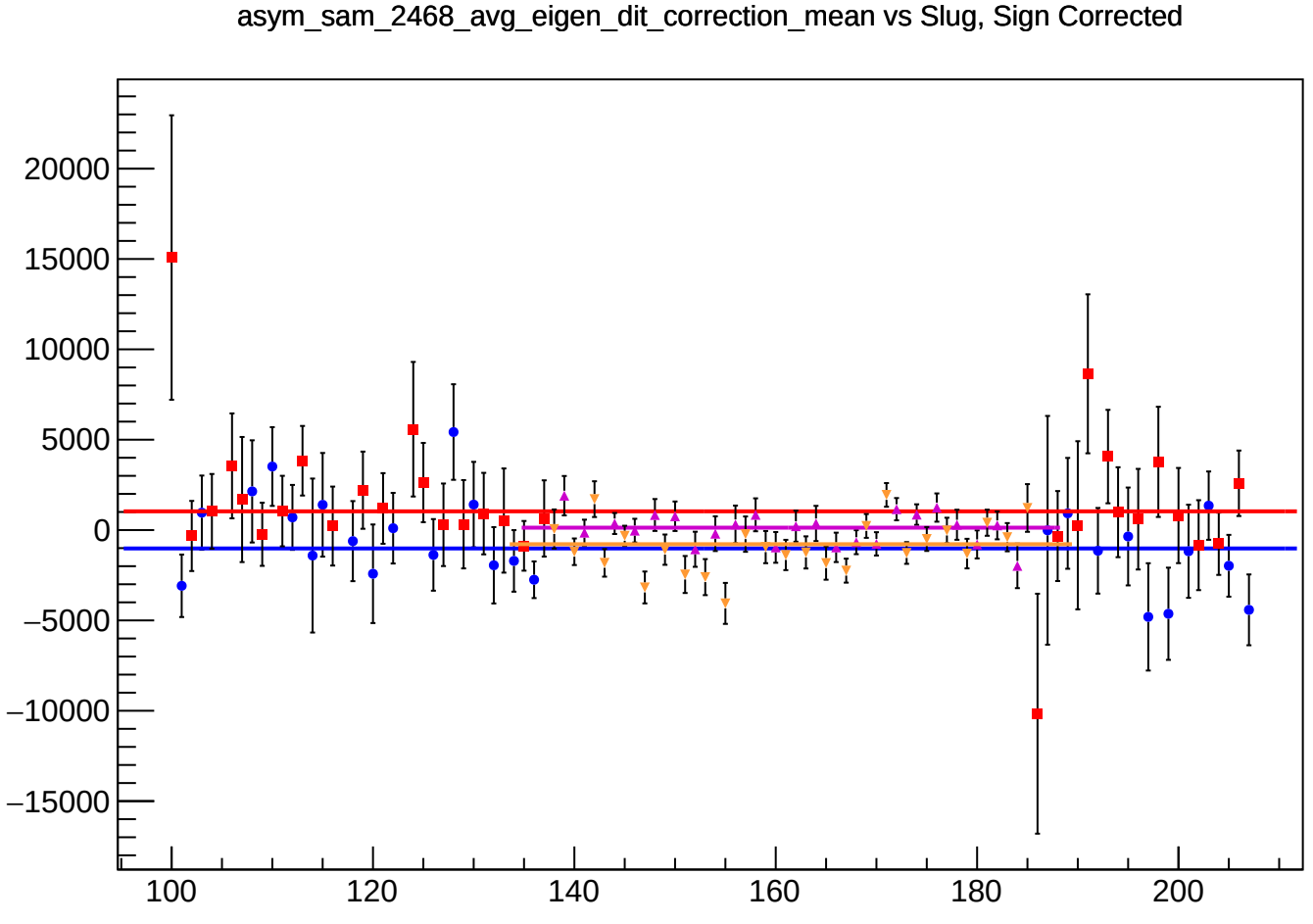
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 129.239+/-0.018 χ^2/NDF: 6713566.1/56

In: 106.341+/-0.014 χ^2/NDF:5154439.4/48

Out: 107.120+/-0.014 χ^2/NDF:6967566.2/55

All: 106.738+/-0.010 χ^2/NDF: 12123627.9/10



Right In: -1018.845+/-413.246 χ^2/NDF: 29.5/25

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 1035.567+/-416.854 χ^2/NDF: 22.5/30

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

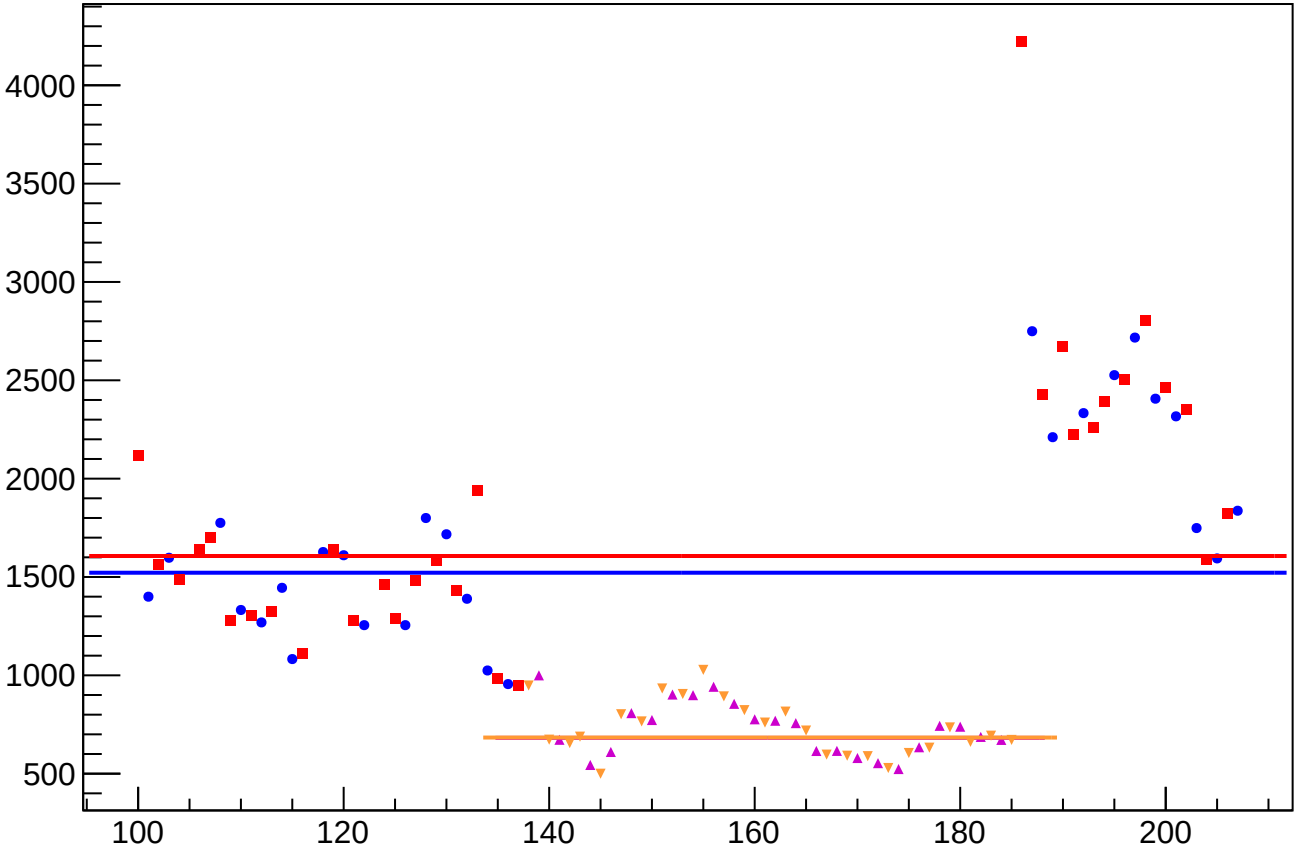
Right: -0.569+/-293.476 χ^2/NDF: 64.3/56

In: -22.510+/-151.155 χ^2/NDF:60.5/48

Out: -554.386+/-148.012 χ^2/NDF:105.5/55

All: -294.035+/-105.754 χ^2/NDF: 172.3/104

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1521.685+/-0.292 χ^2/NDF: 2573093.8/25

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

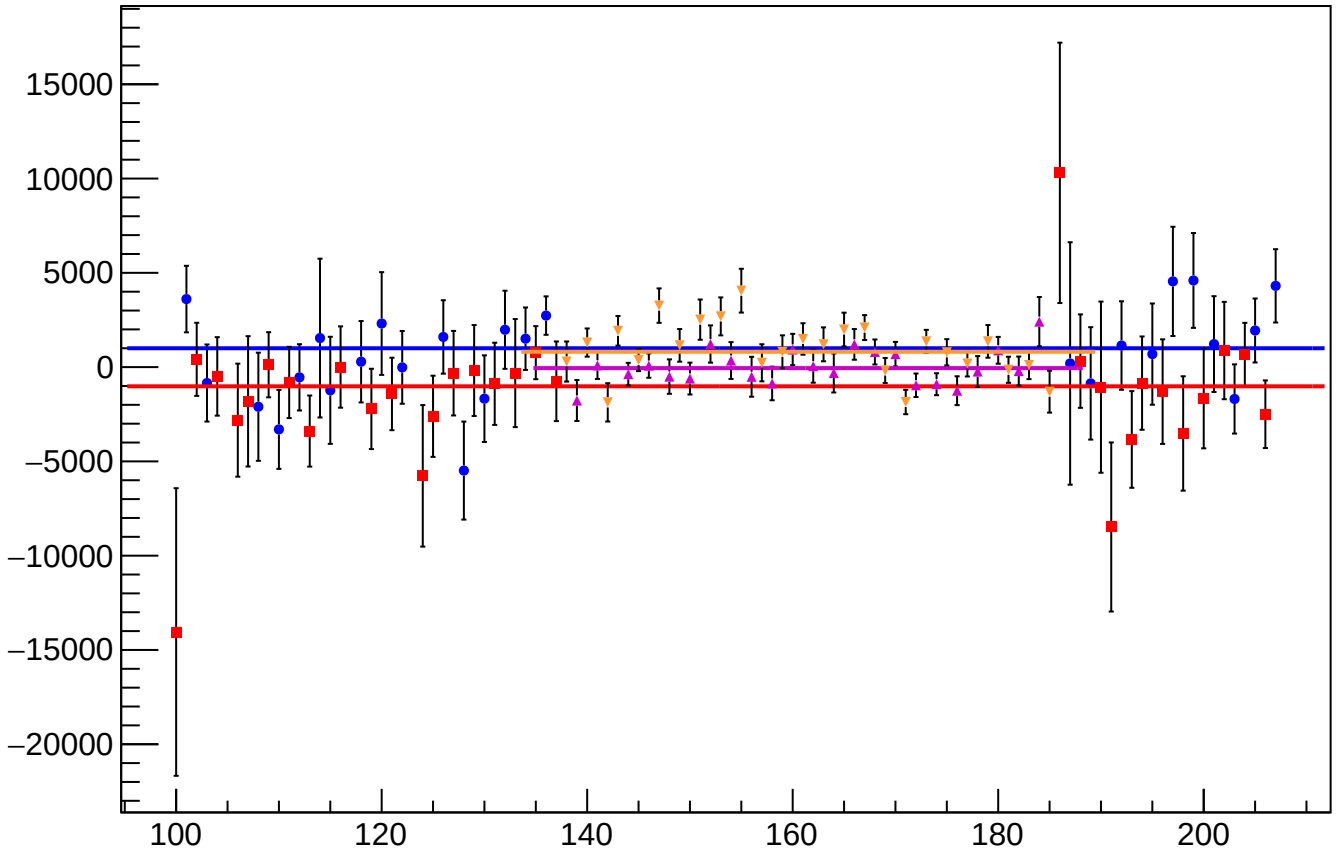
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1563.817+/-0.208 χ^2/NDF: 5586060.0/56

In: 794.308+/-0.107 χ^2/NDF:10912594.7/48

Out: 800.061+/-0.105 χ^2/NDF:12838051.0/55

All: 797.245+/-0.075 χ^2/NDF: 23752125.1/10



Right In: 1000.031+/-408.476 χ^2/NDF: 30.6/25

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

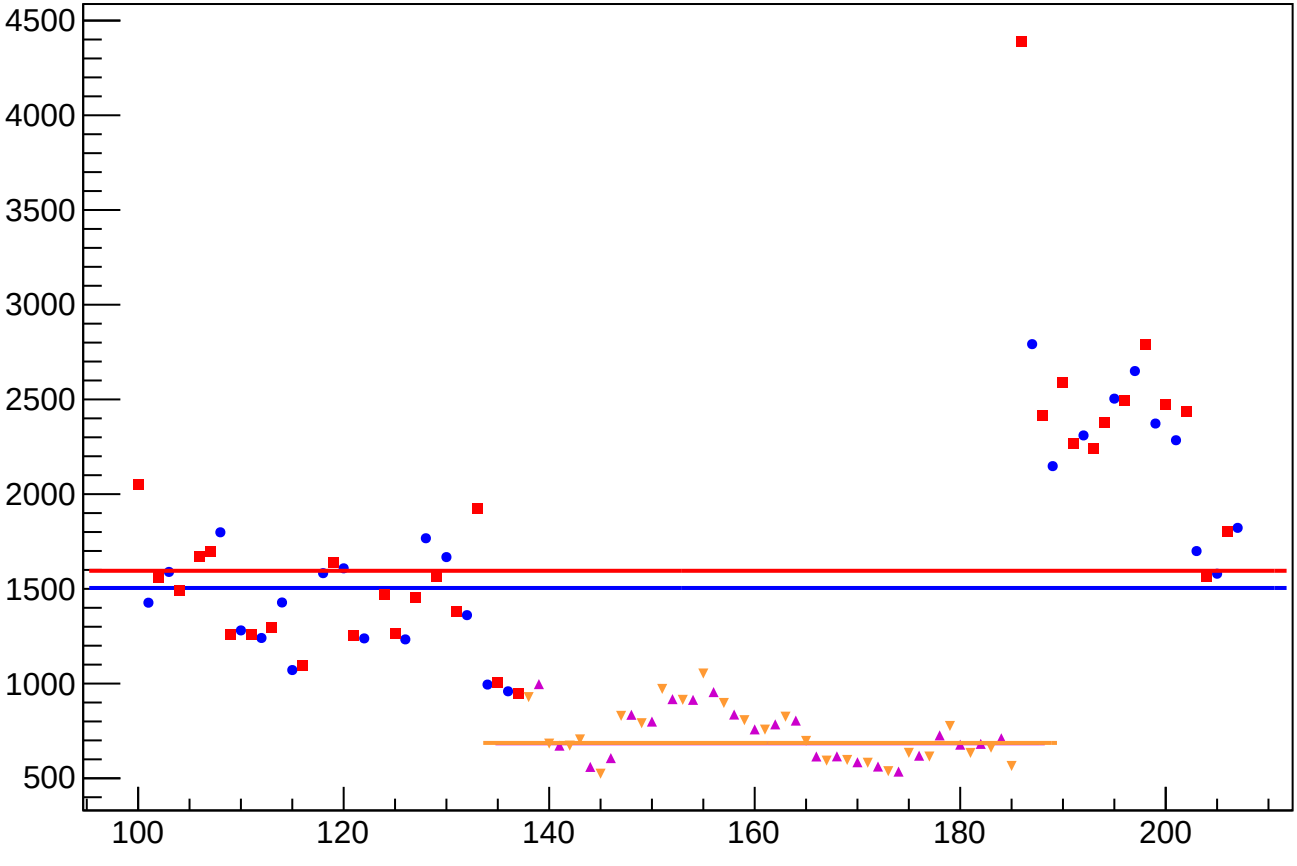
Right: 5.507+/-290.910 χ^2/NDF: 63.2/56

In: 92.315+/-151.420 χ^2/NDF:61.7/48

Out: 578.301+/-148.657 χ^2/NDF:103.3/55

All: 339.783+/-106.080 χ^2/NDF: 170.3/104

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1504.670+/-0.289 χ^2/NDF: 2534022.4/25

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

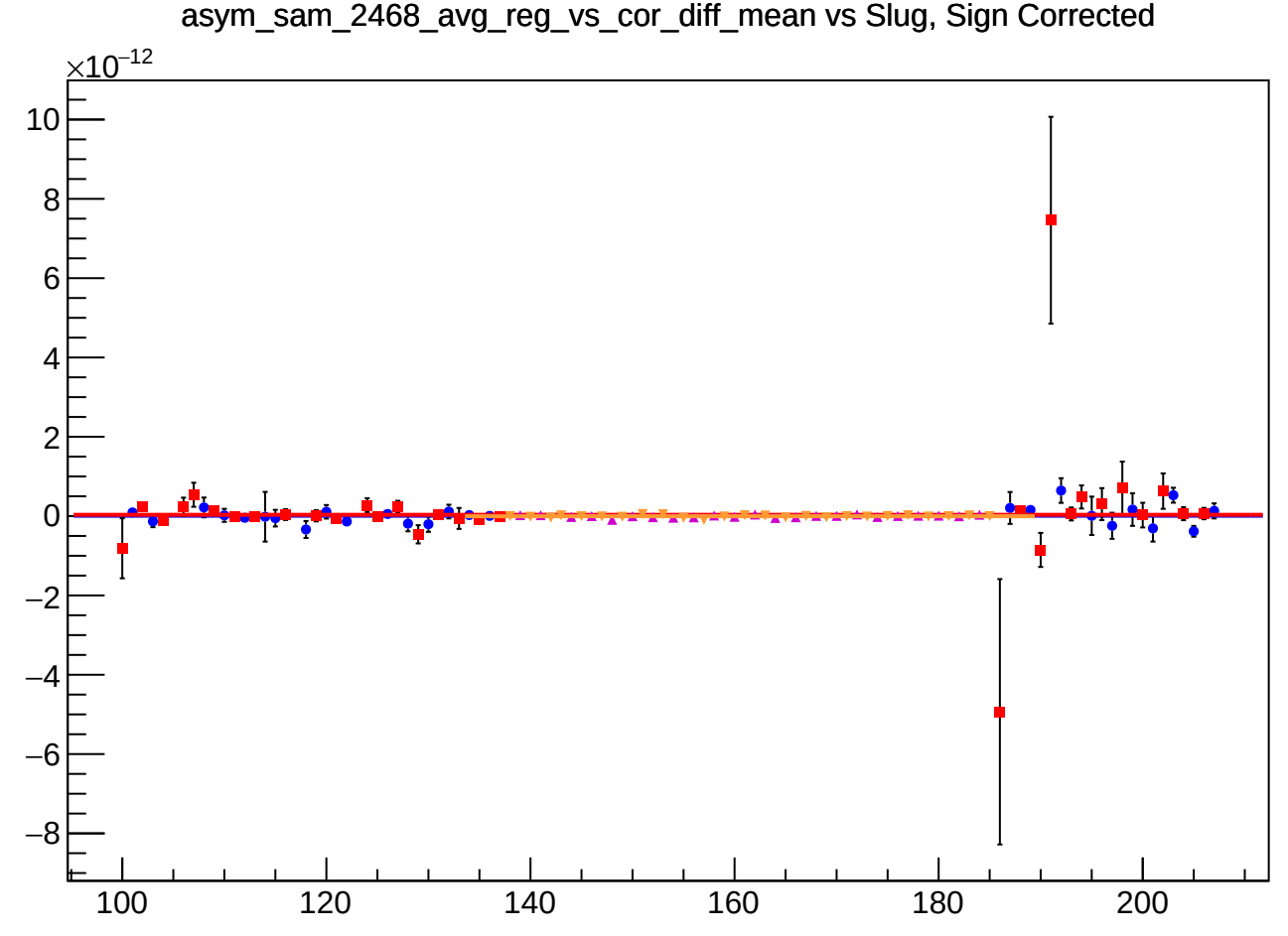
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

Right: 1549.370+/-0.206 χ^2/NDF: 5594134.5/56

In: 797.431+/-0.107 χ^2/NDF:10649916.3/48

Out: 803.630+/-0.105 χ^2/NDF:12702425.9/55

All: 800.588+/-0.075 χ^2/NDF: 23354049.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 35.4/25

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.8/30

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

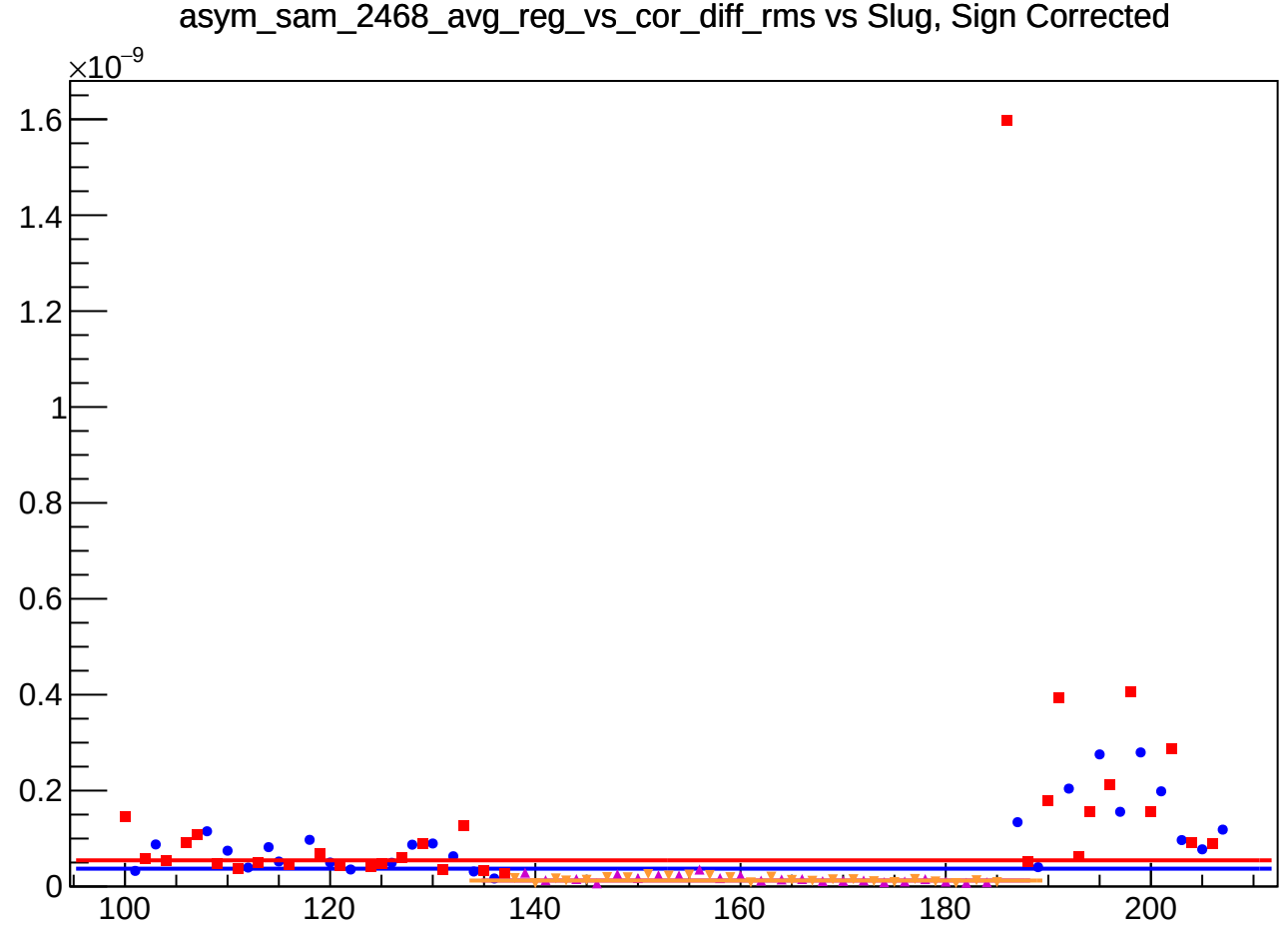
Left: -0.000+/-0.000 χ^2/NDF: 37.1/47

Right: 0.000+/-0.000 χ^2/NDF: 81.7/56

In: 0.000+/-0.000 χ^2/NDF:56.1/48

Out: -0.000+/-0.000 χ^2/NDF:64.2/55

All: -0.000+/-0.000 χ^2/NDF: 120.4/104



Right In: 0.000+/-0.000 χ^2/NDF: 5431475.2/25

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

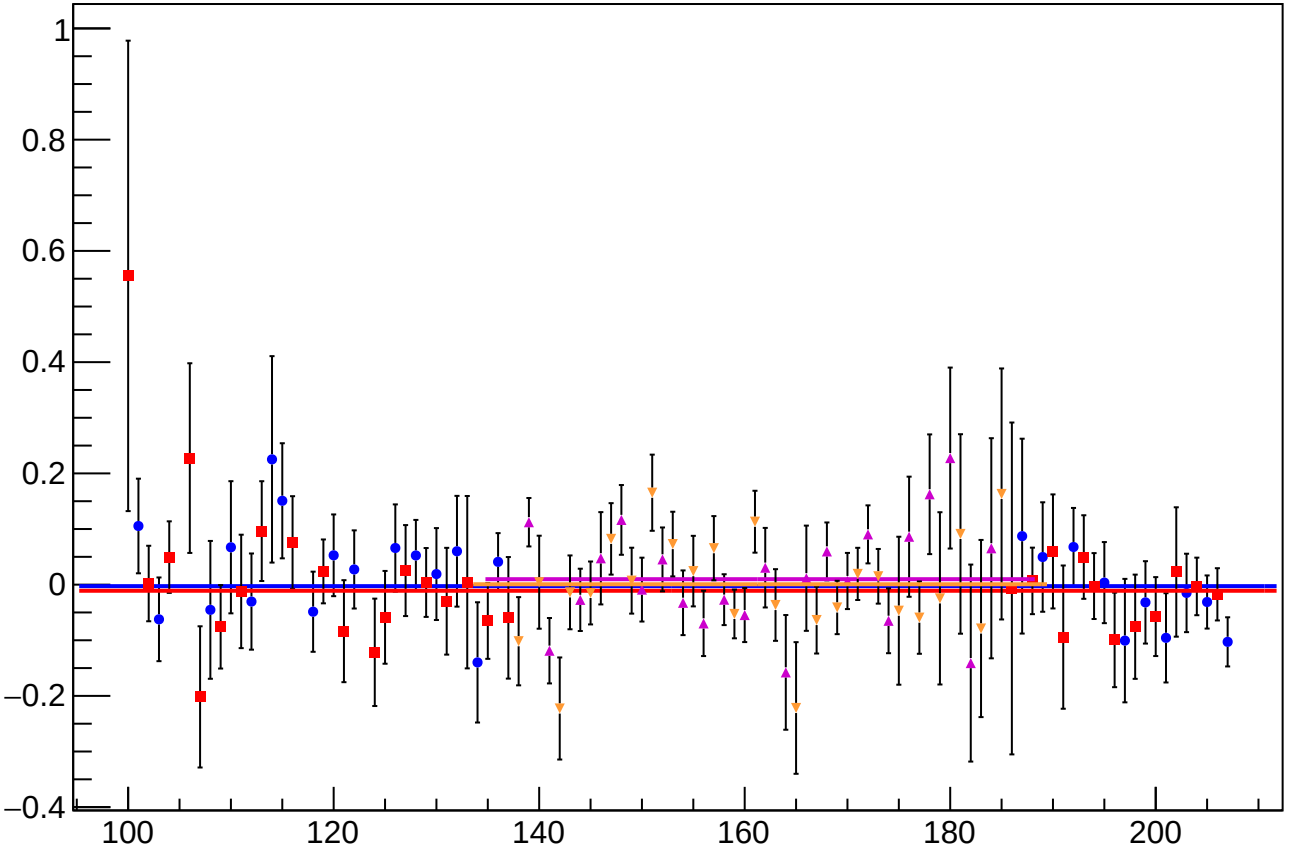
Right: 0.000+/-0.000 χ^2/NDF: 9543589.0/56

In: 0.000+/-0.000 χ^2/NDF:10065389.1/48

Out: 0.000+/-0.000 χ^2/NDF:10379513.5/55

All: 0.000+/-0.000 χ^2/NDF: 20445293.1/104

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.015 χ^2/NDF: 21.3/25

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

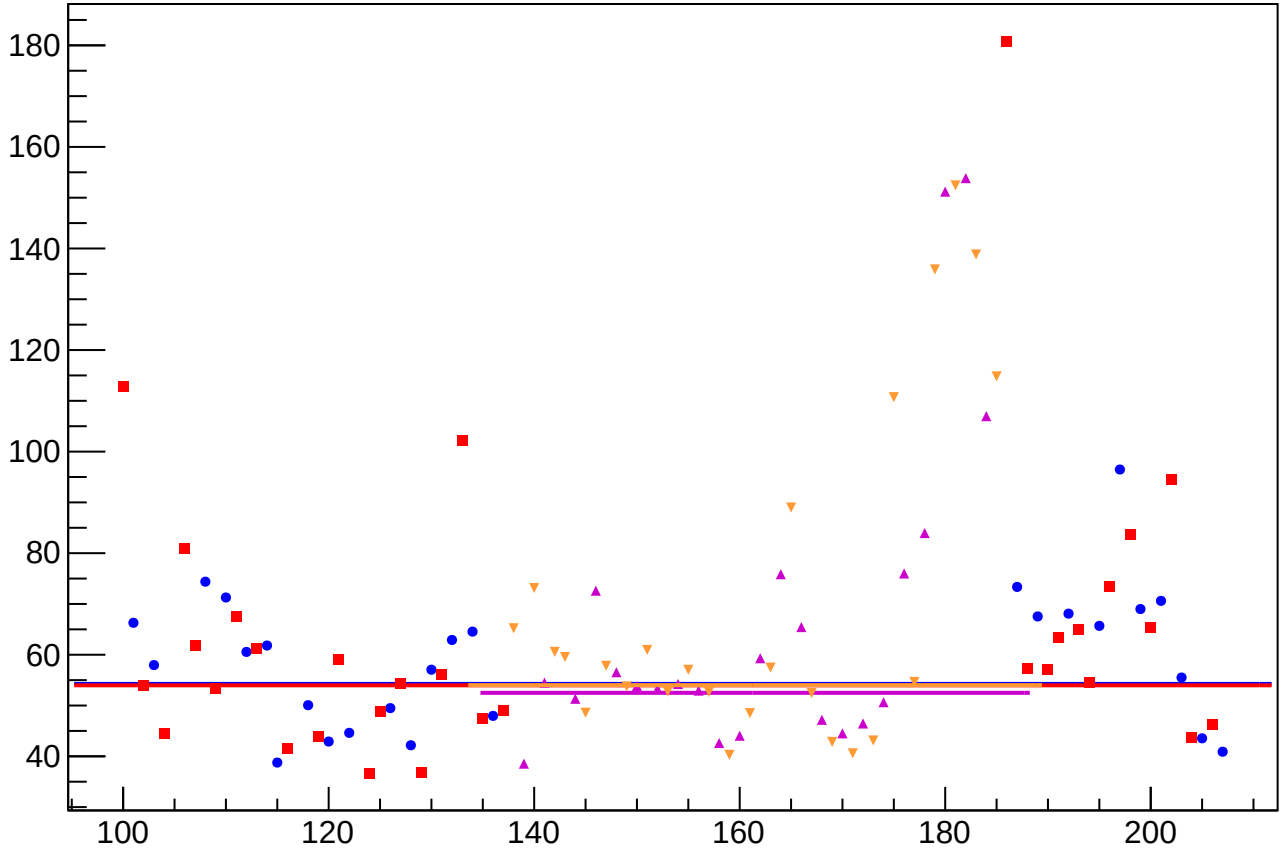
Right: -0.007+/-0.010 χ^2/NDF: 39.2/56

In: 0.004+/-0.010 χ^2/NDF:53.6/48

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: -0.000+/-0.007 χ^2/NDF: 103.8/104

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.254+/-0.011 χ^2/NDF: 1356229.7/25

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

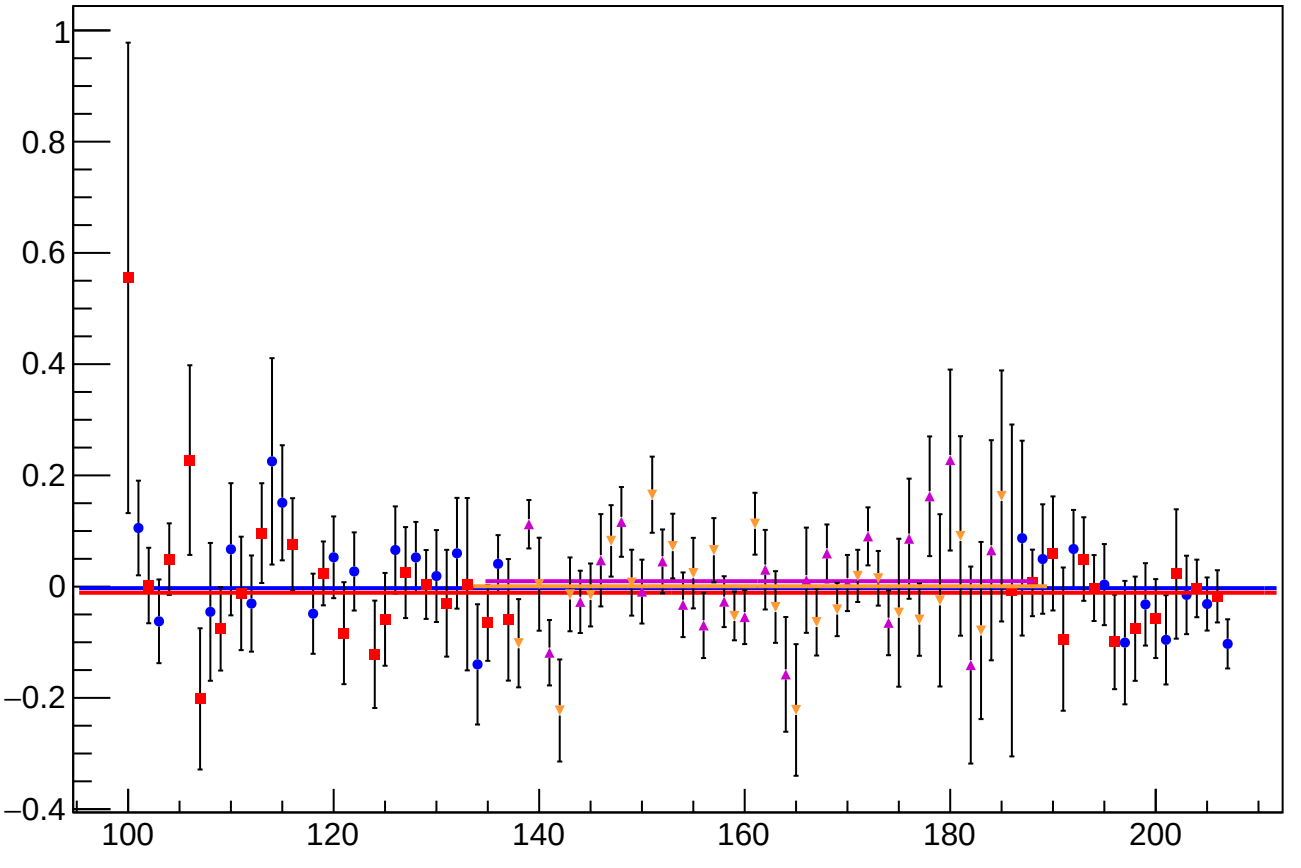
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 54.110+/-0.007 χ^2/NDF: 3253732.6/56

In: 53.273+/-0.007 χ^2/NDF:3929465.4/48

Out: 53.997+/-0.007 χ^2/NDF:5124701.8/55

All: 53.642+/-0.005 χ^2/NDF: 9059621.9/104



Right In: -0.003+/-0.015 χ^2/NDF: 21.3/25

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

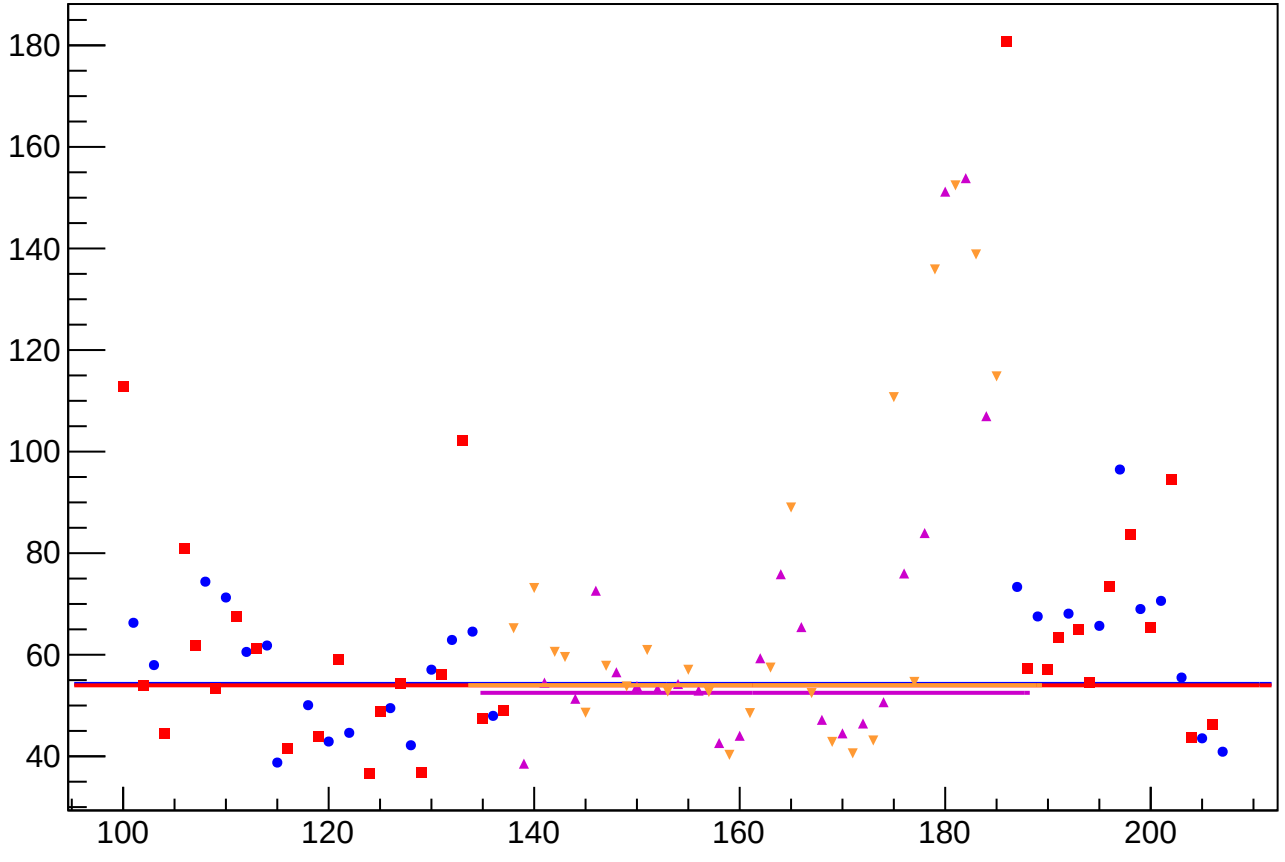
Right: -0.007+/-0.010 χ^2/NDF: 39.2/56

In: 0.004+/-0.010 χ^2/NDF:53.6/48

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: -0.000+/-0.007 χ^2/NDF: 103.8/104

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.254+/-0.011 χ^2/NDF: 1356229.7/25

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

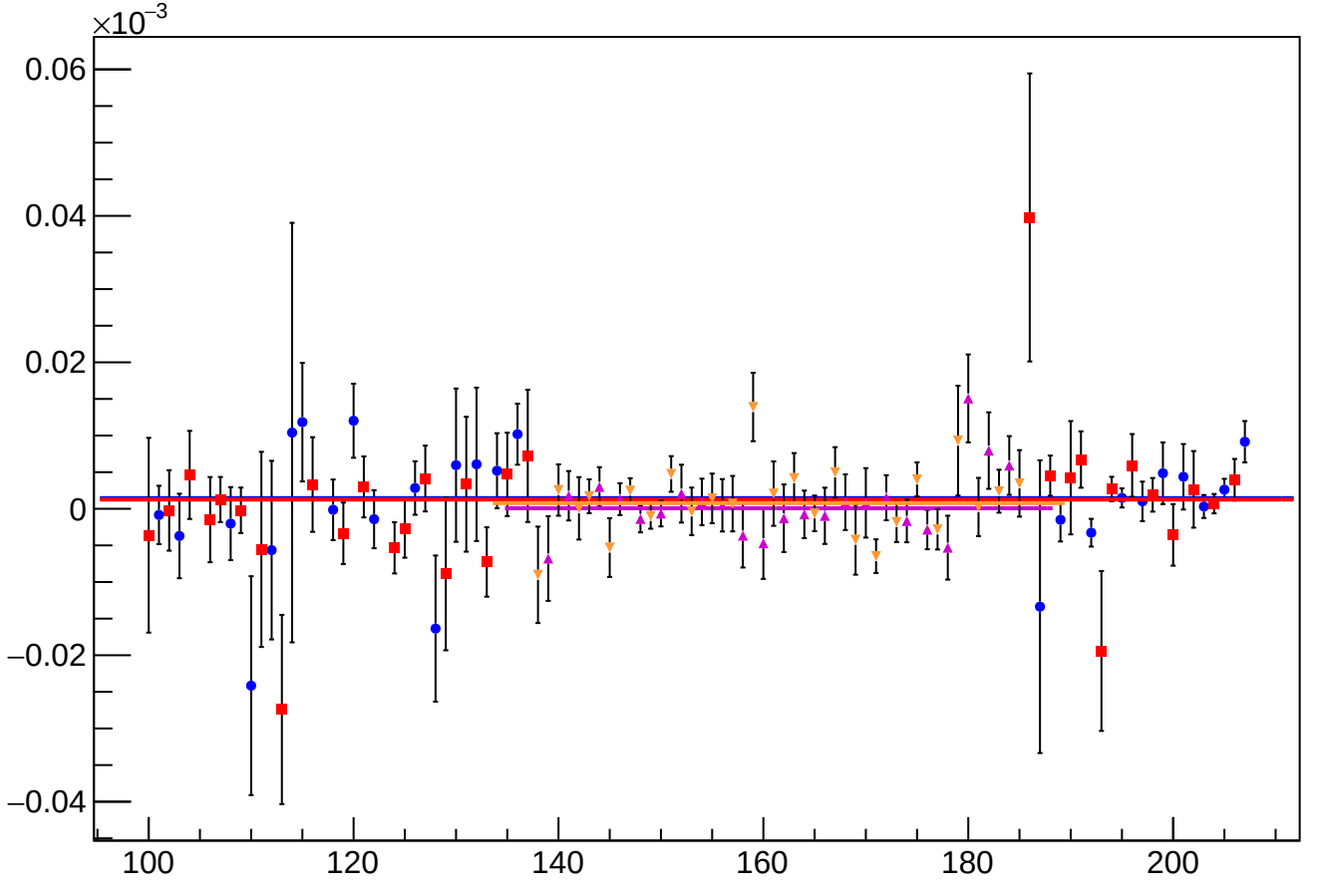
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 54.110+/-0.007 χ^2/NDF: 3253732.6/56

In: 53.273+/-0.007 χ^2/NDF:3929465.4/48

Out: 53.997+/-0.007 χ^2/NDF:5124701.8/55

All: 53.642+/-0.005 χ^2/NDF: 9059621.9/104



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/25

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

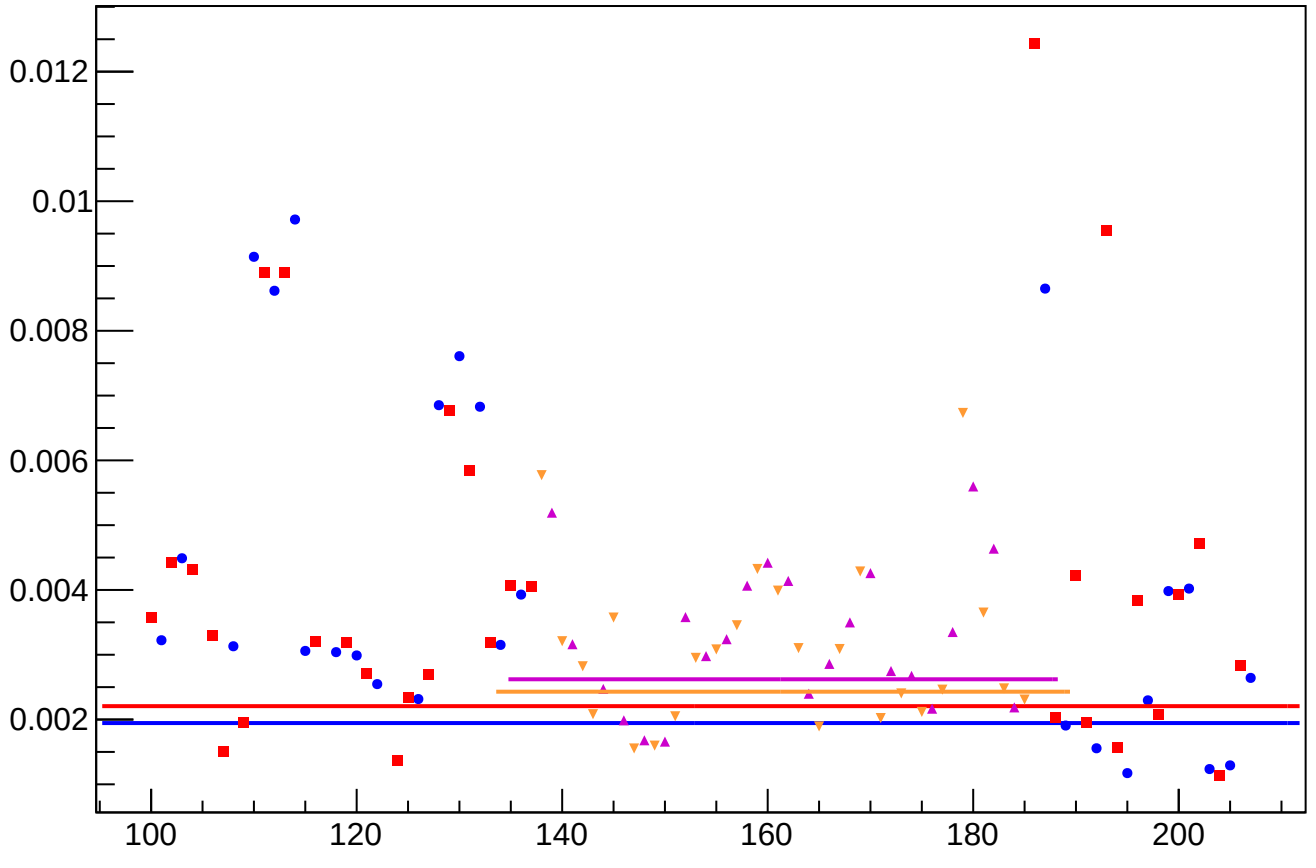
Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

Right: 0.000+/-0.000 χ^2/NDF: 70.9/56

In: 0.000+/-0.000 χ^2/NDF:60.4/48

Out: 0.000+/-0.000 χ^2/NDF:71.5/55

All: 0.000+/-0.000 χ^2/NDF: 131.9/104



Right In: 0.002+/-0.000 χ^2/NDF: 7178821.8/25

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

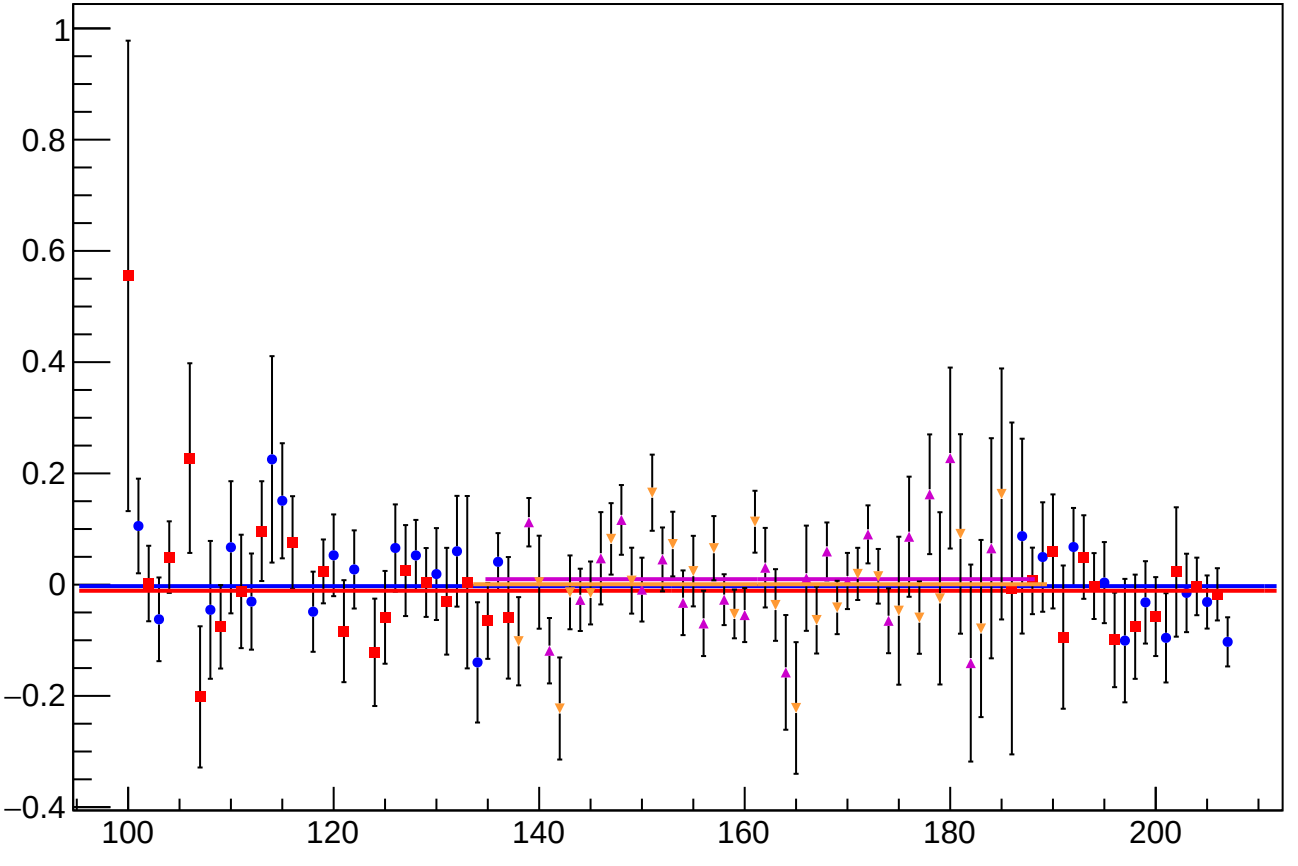
Right: 0.002+/-0.000 χ^2/NDF: 14984119.7/56

In: 0.002+/-0.000 χ^2/NDF:12272948.3/48

Out: 0.002+/-0.000 χ^2/NDF:11979691.8/55

All: 0.002+/-0.000 χ^2/NDF: 24281713.3/104

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.015 χ^2/NDF: 21.3/25

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

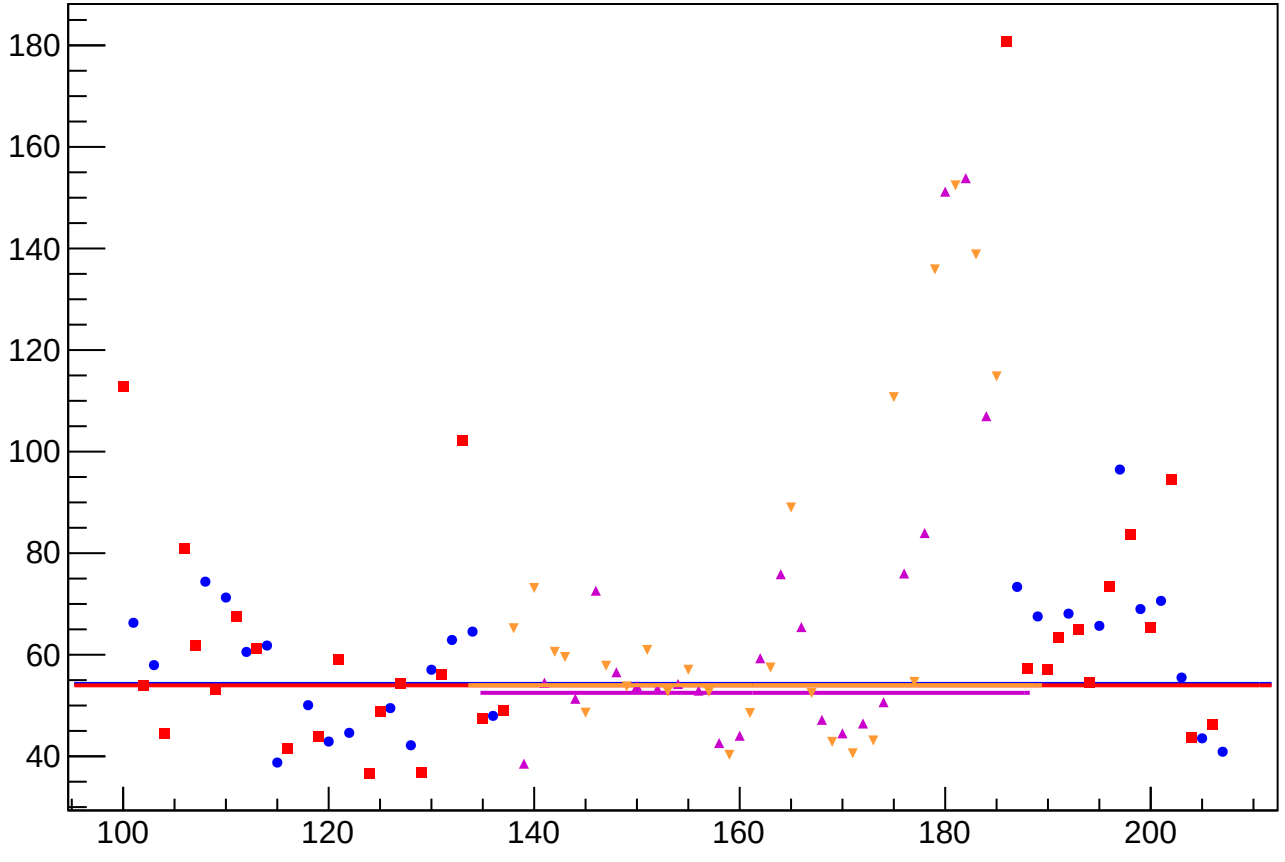
Right: -0.007+/-0.010 χ^2/NDF: 39.2/56

In: 0.004+/-0.010 χ^2/NDF:53.6/48

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: -0.000+/-0.007 χ^2/NDF: 103.8/104

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.254+/-0.011 χ^2/NDF: 1356208.4/25

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

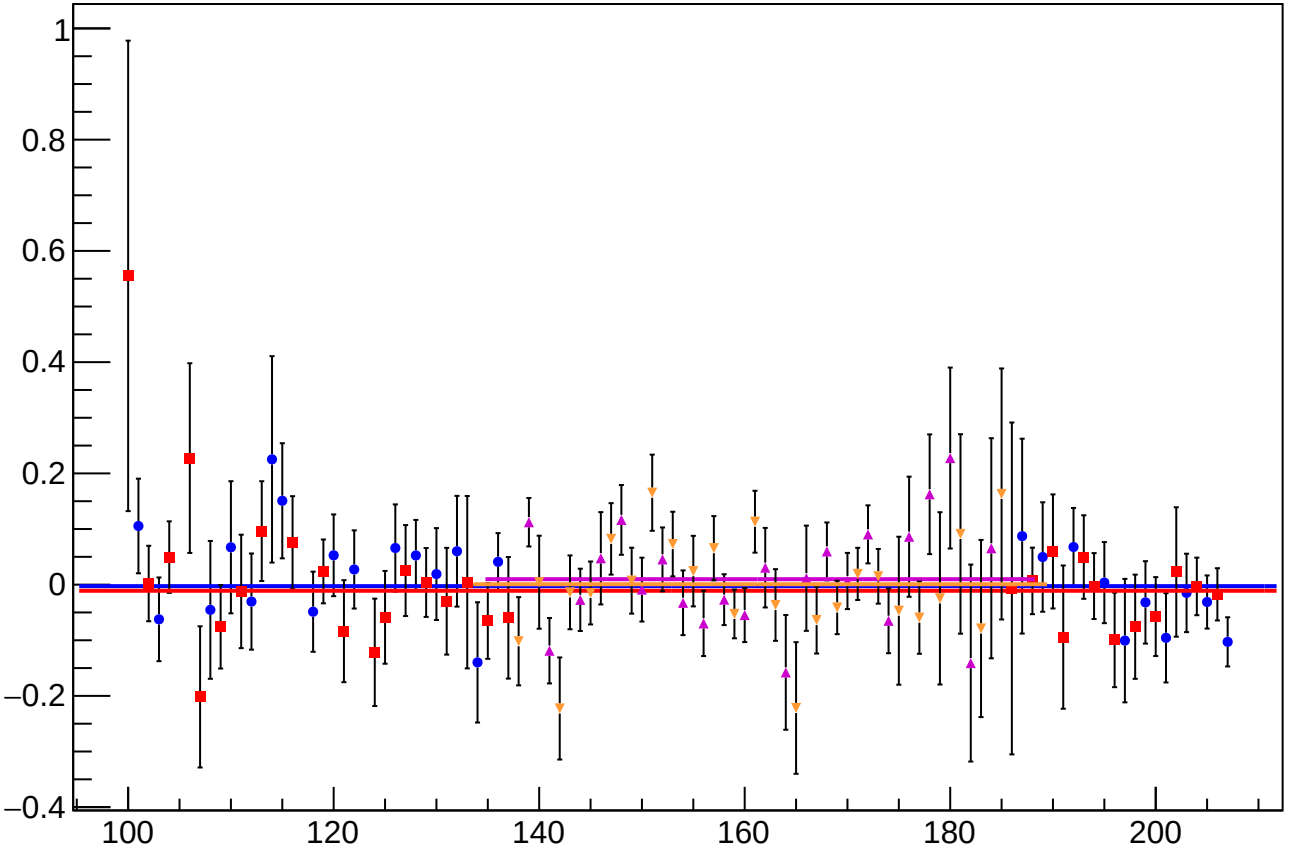
Right: 54.110+/-0.007 χ^2/NDF: 3253758.0/56

In: 53.273+/-0.007 χ^2/NDF:3929466.1/48

Out: 53.997+/-0.007 χ^2/NDF:5124768.4/55

All: 53.642+/-0.005 χ^2/NDF: 9059690.6/104

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.003+/-0.015 χ^2/NDF: 21.3/25

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

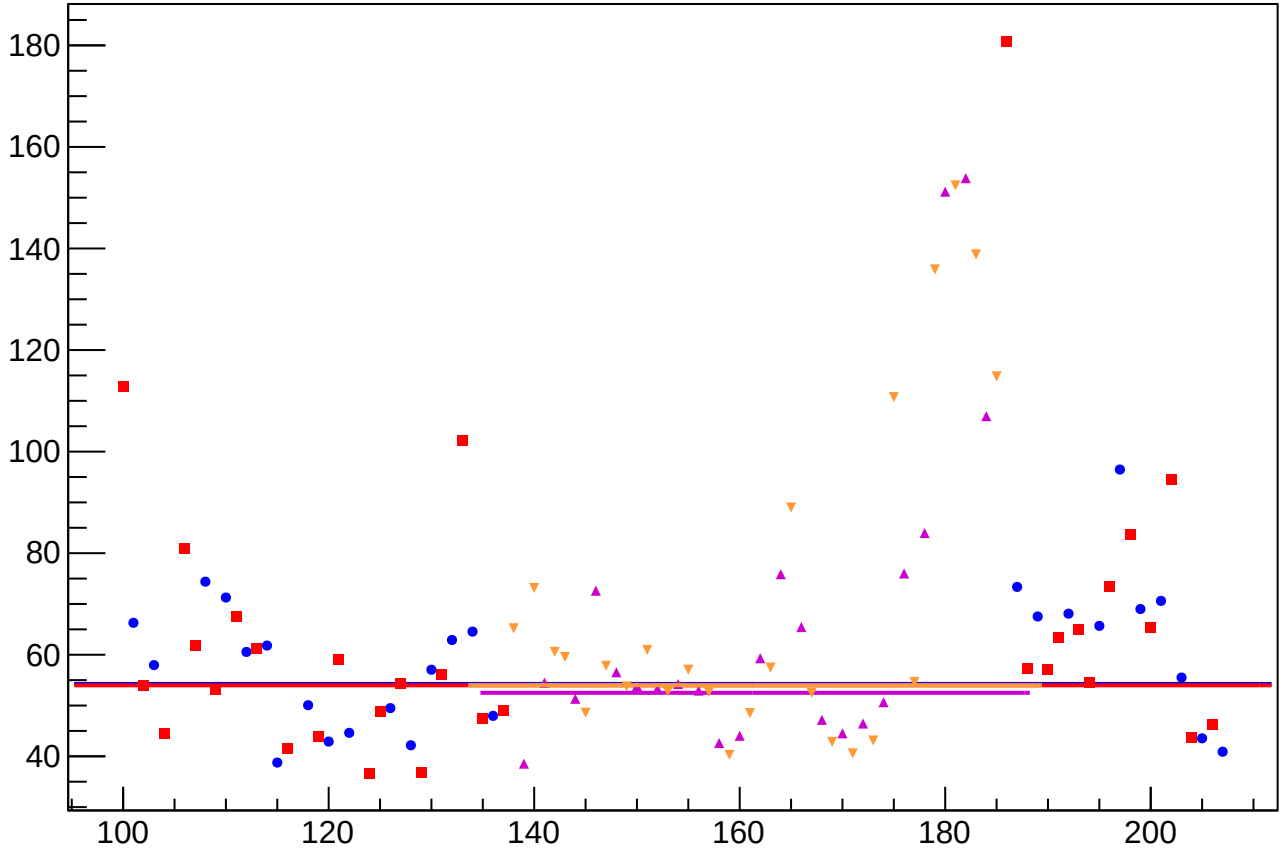
Right: -0.007+/-0.010 χ^2/NDF: 39.2/56

In: 0.004+/-0.010 χ^2/NDF:53.6/48

Out: -0.005+/-0.010 χ^2/NDF:49.8/55

All: -0.000+/-0.007 χ^2/NDF: 103.8/104

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 54.254+/-0.011 χ^2/NDF: 1356208.4/25

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

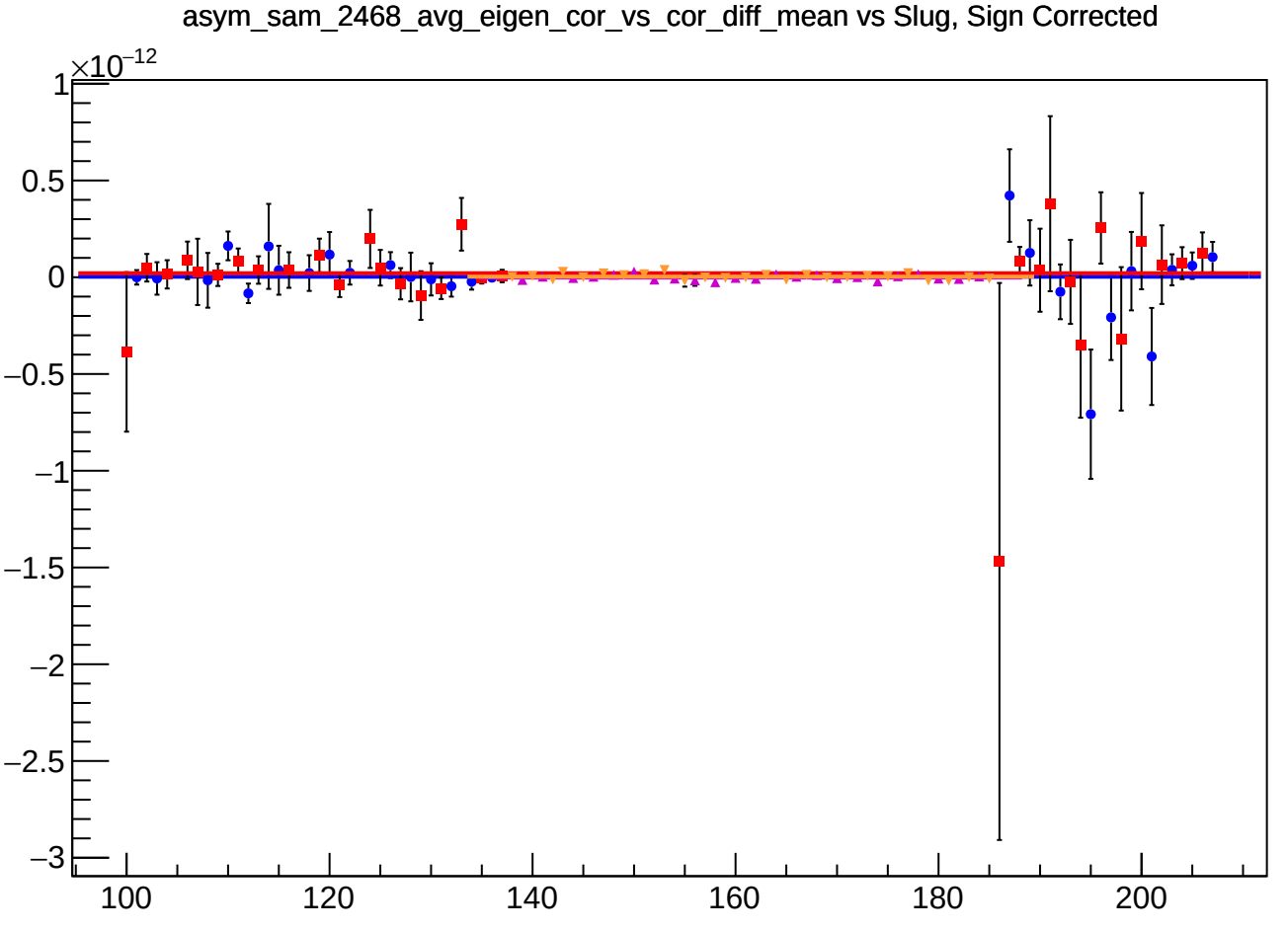
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 54.110+/-0.007 χ^2/NDF: 3253758.0/56

In: 53.273+/-0.007 χ^2/NDF:3929466.1/48

Out: 53.997+/-0.007 χ^2/NDF:5124768.4/55

All: 53.642+/-0.005 χ^2/NDF: 9059690.6/104



Right In: 0.000+/-0.000 χ^2/NDF: 26.0/25

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

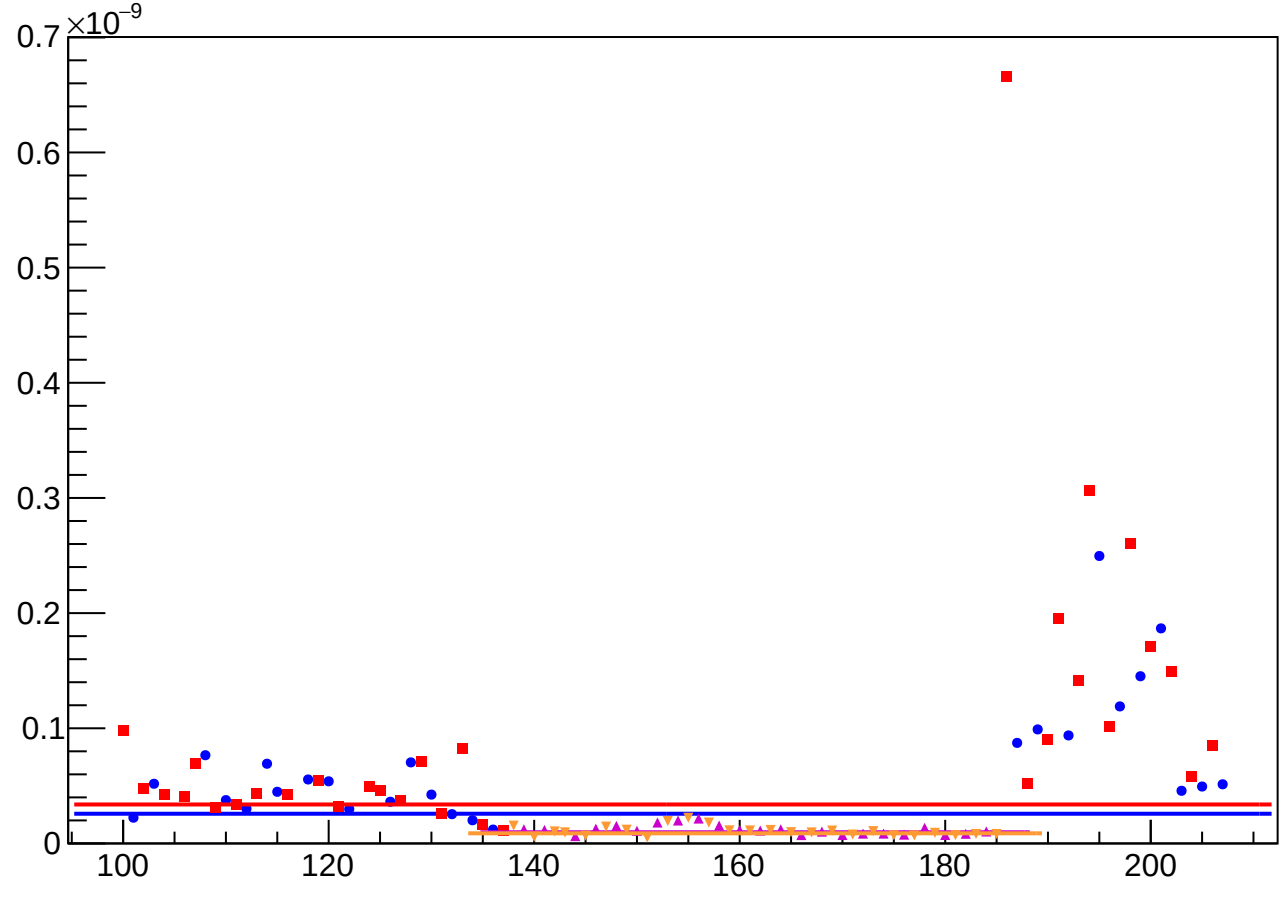
Right: 0.000+/-0.000 χ^2/NDF: 48.9/56

In: -0.000+/-0.000 χ^2/NDF:41.4/48

Out: 0.000+/-0.000 χ^2/NDF:45.3/55

All: 0.000+/-0.000 χ^2/NDF: 88.4/104

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7076395.6/25

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

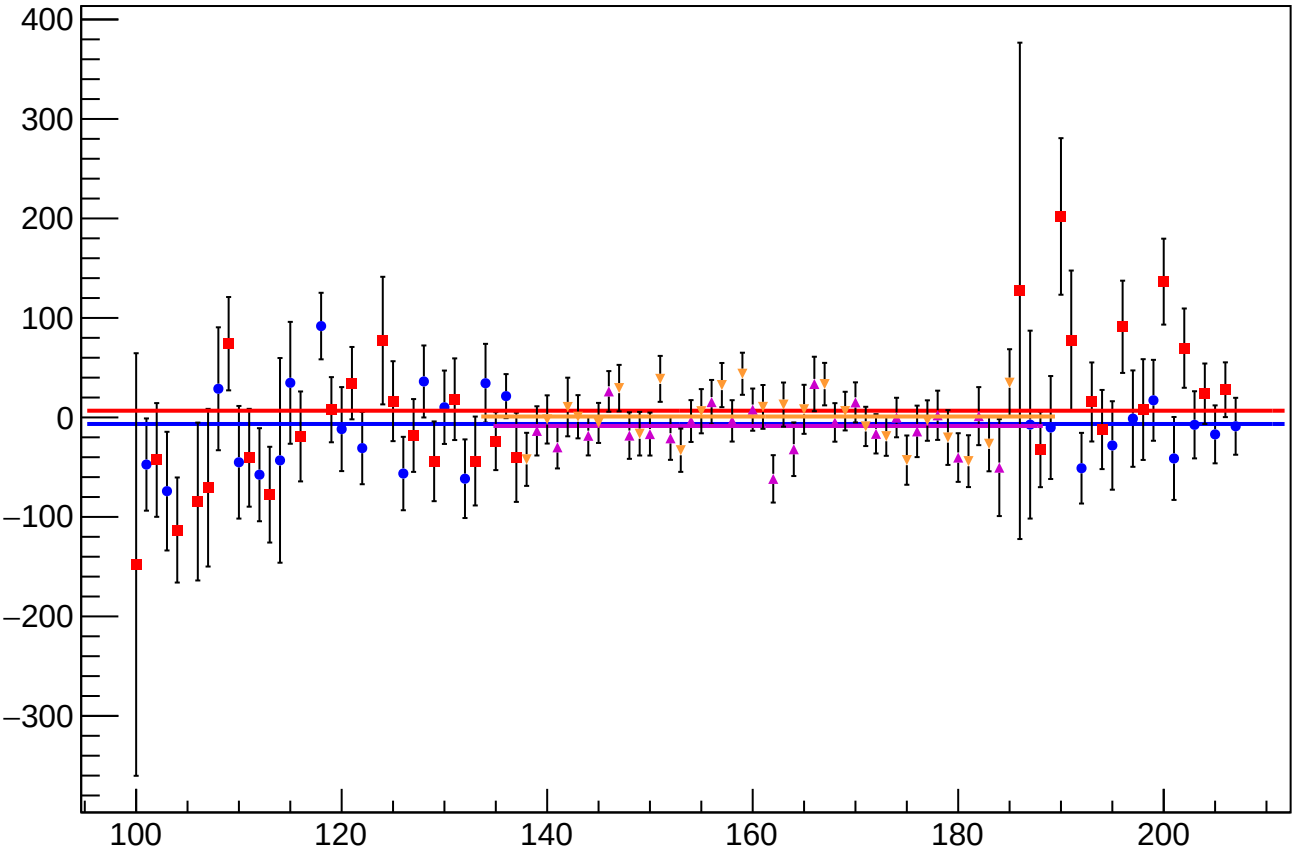
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15568223.8/56

In: 0.000+/-0.000 χ^2/NDF:13120217.5/48

Out: 0.000+/-0.000 χ^2/NDF:17032727.2/55

All: 0.000+/-0.000 χ^2/NDF: 30286192.3/104



Right In: -6.579+/-7.767 χ^2/NDF: 24.8/25

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

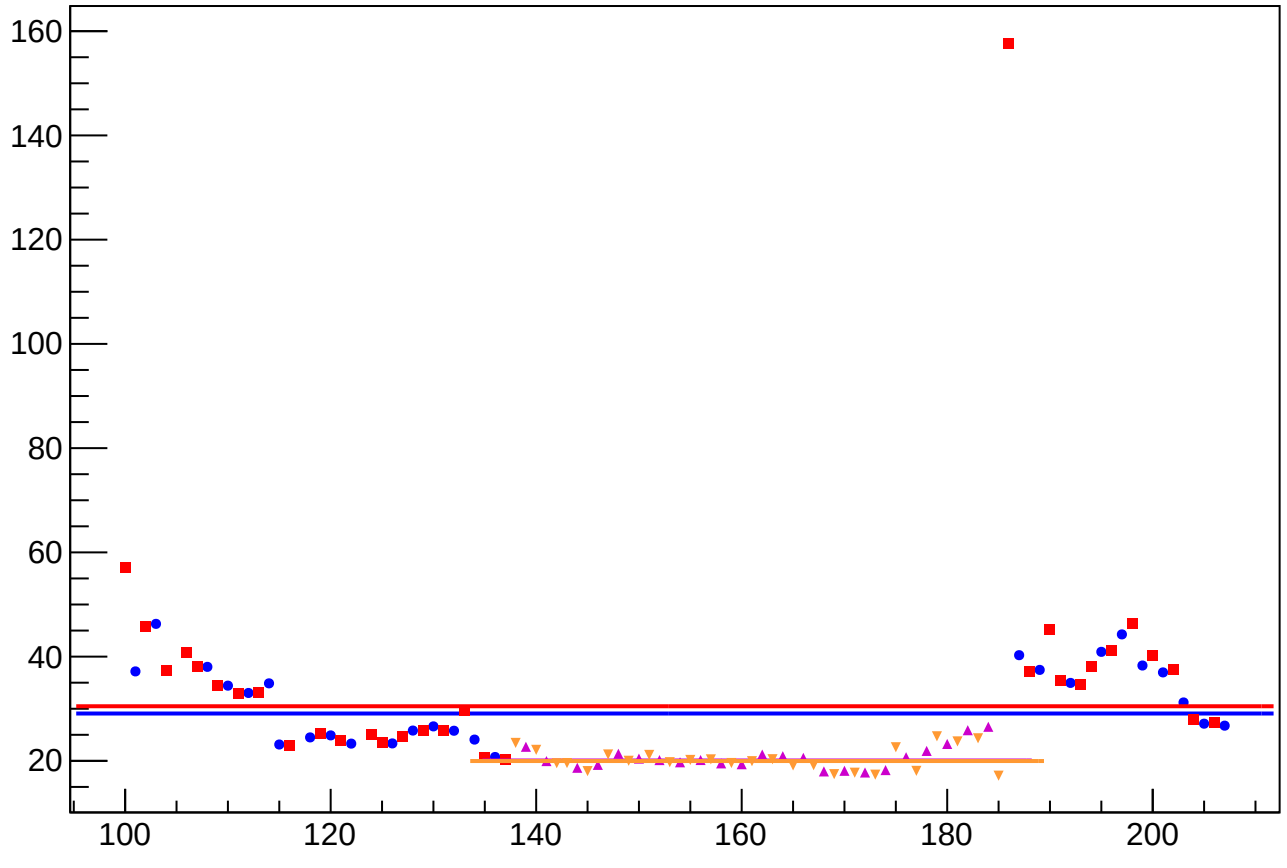
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: 0.019+/-5.520 χ^2/NDF: 73.2/56

In: -8.055+/-4.036 χ^2/NDF:44.2/48

Out: 2.397+/-3.951 χ^2/NDF:76.6/55

All: -2.719+/-2.823 χ^2/NDF: 124.2/104



Right In: 29.086+/-0.005 χ^2/NDF: 1515369.2/25

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

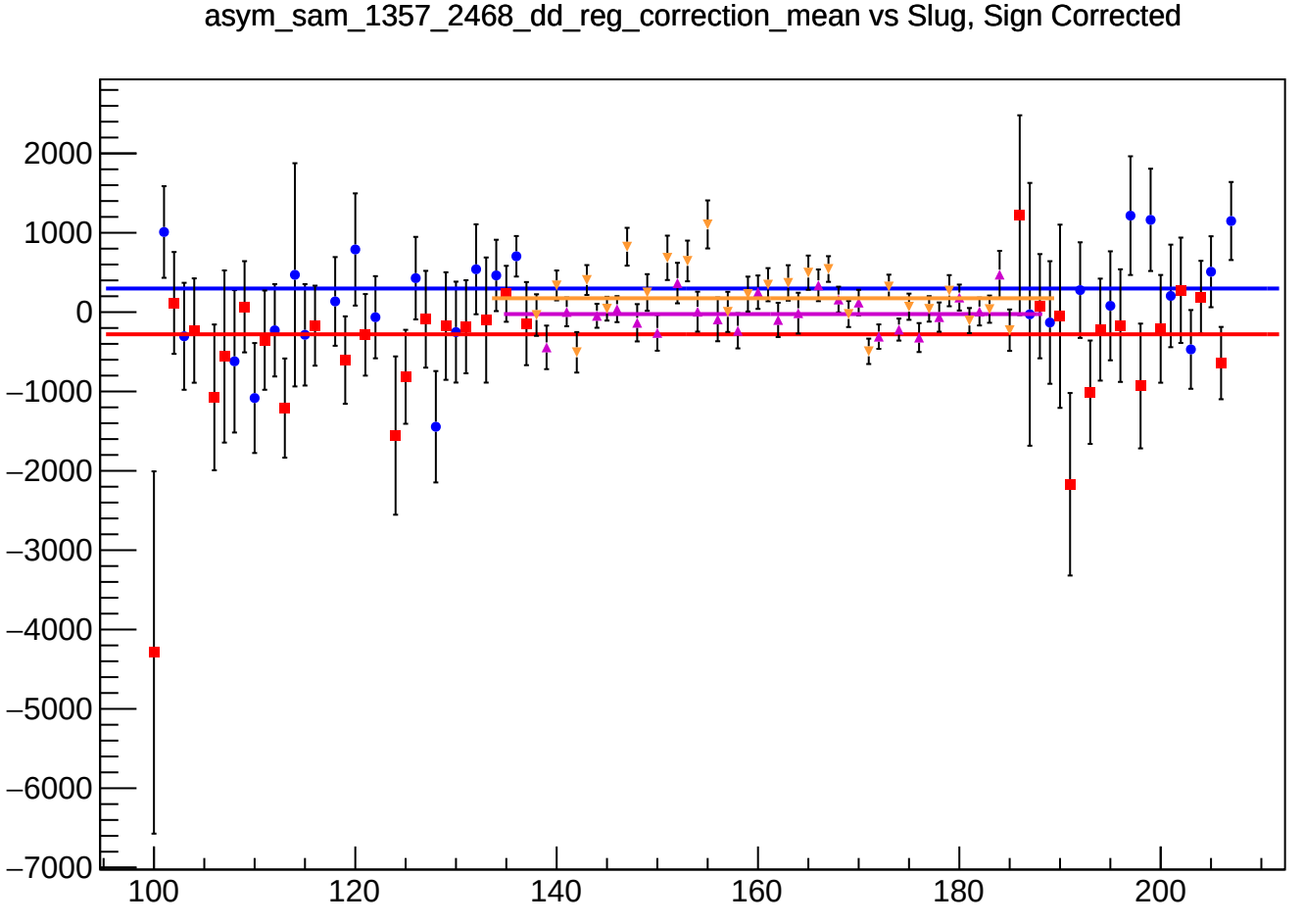
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.776+/-0.004 χ^2/NDF: 3776465.5/56

In: 22.506+/-0.003 χ^2/NDF:3783066.5/48

Out: 22.635+/-0.003 χ^2/NDF:5295216.1/55

All: 22.572+/-0.002 χ^2/NDF: 9079330.1/104



Right In: 297.627+/-110.653 χ^2/NDF: 29.3/25

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

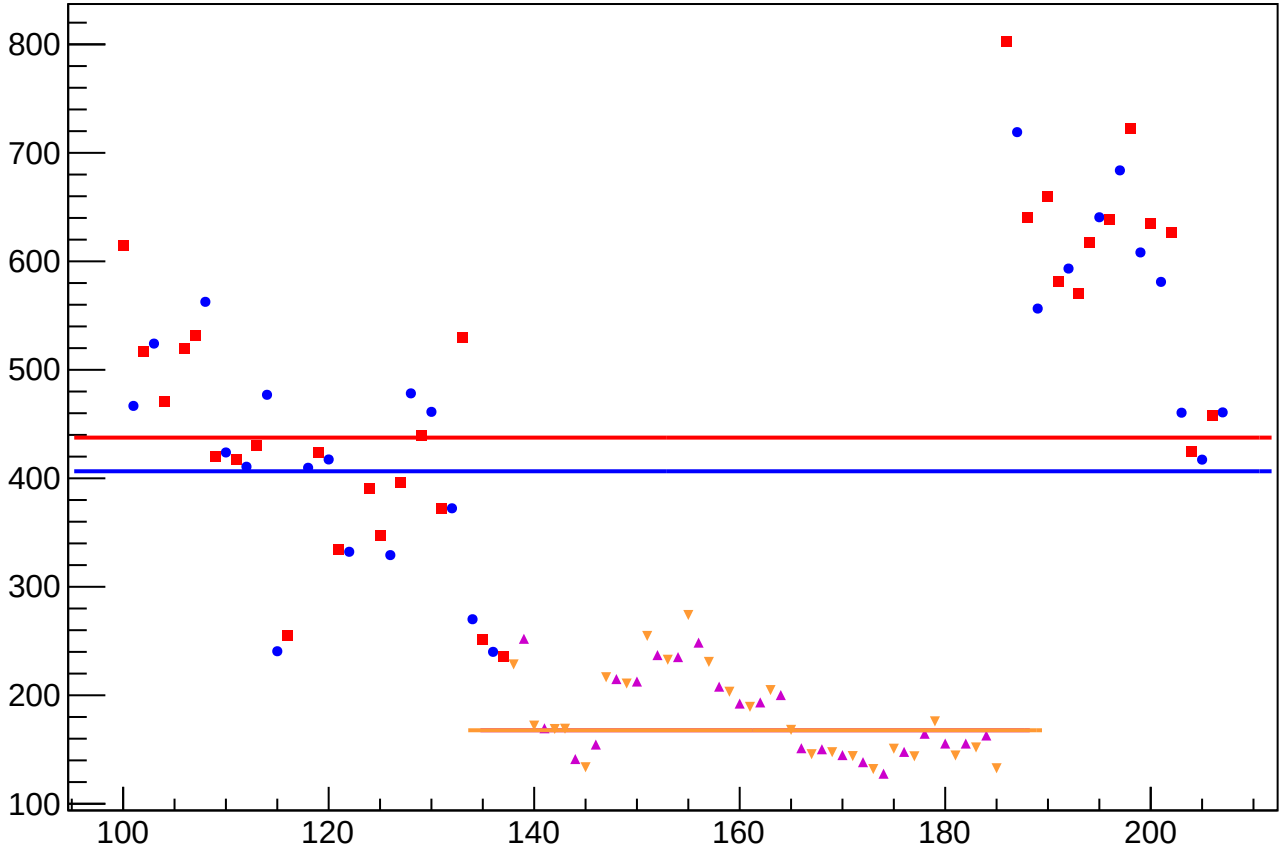
Right: 15.967+/-79.164 χ^2/NDF: 63.4/56

In: 12.766+/-37.676 χ^2/NDF:63.6/48

Out: 126.488+/-36.918 χ^2/NDF:106.5/55

All: 70.783+/-26.369 χ^2/NDF: 174.8/104

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 406.494+/-0.078 χ^2/NDF: 2684831.5/25

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

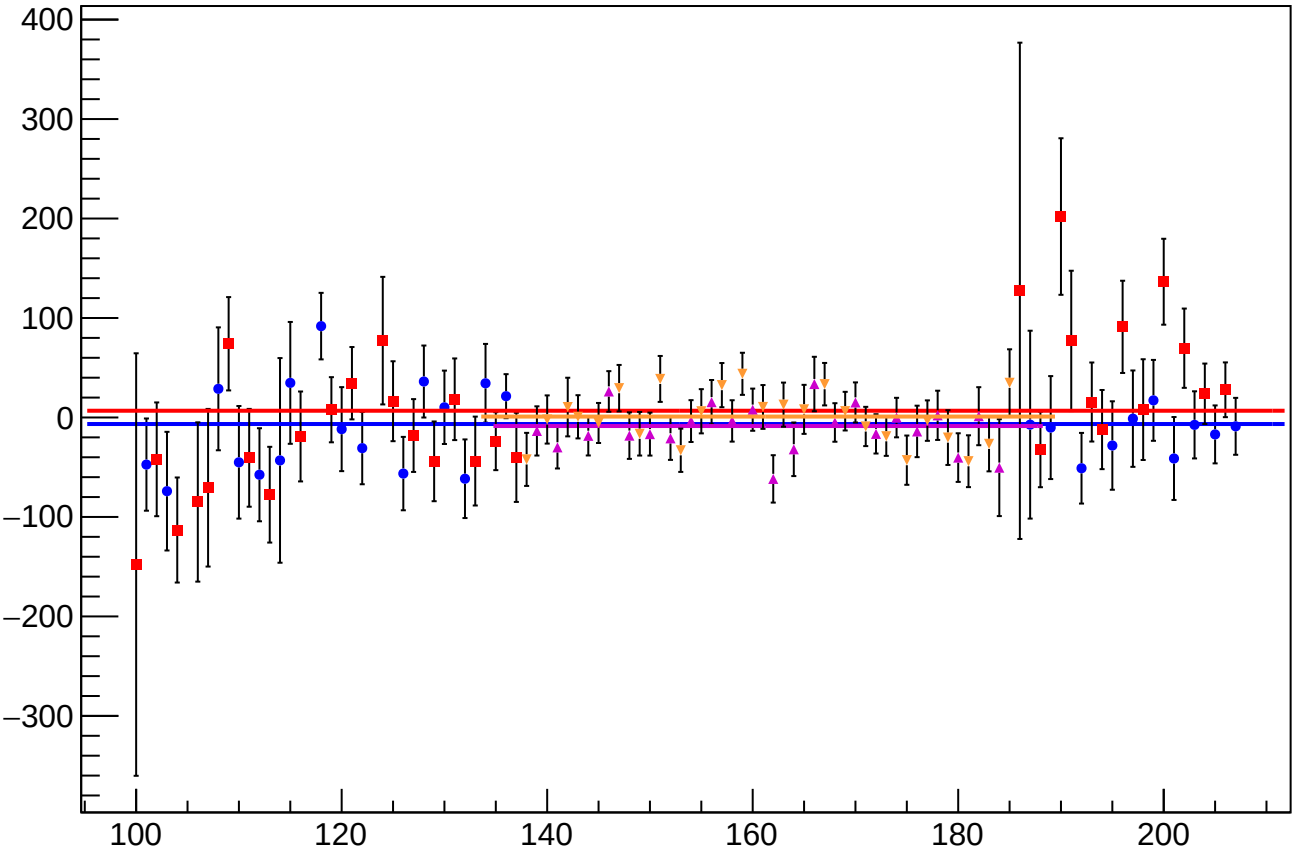
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 421.641+/-0.056 χ^2/NDF: 5617186.6/56

In: 195.426+/-0.027 χ^2/NDF:12319054.1/48

Out: 196.396+/-0.026 χ^2/NDF:14568023.0/55

All: 195.921+/-0.019 χ^2/NDF: 26887752.4/10



Right In: -6.578+/-7.767 χ^2/NDF: 24.8/25

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

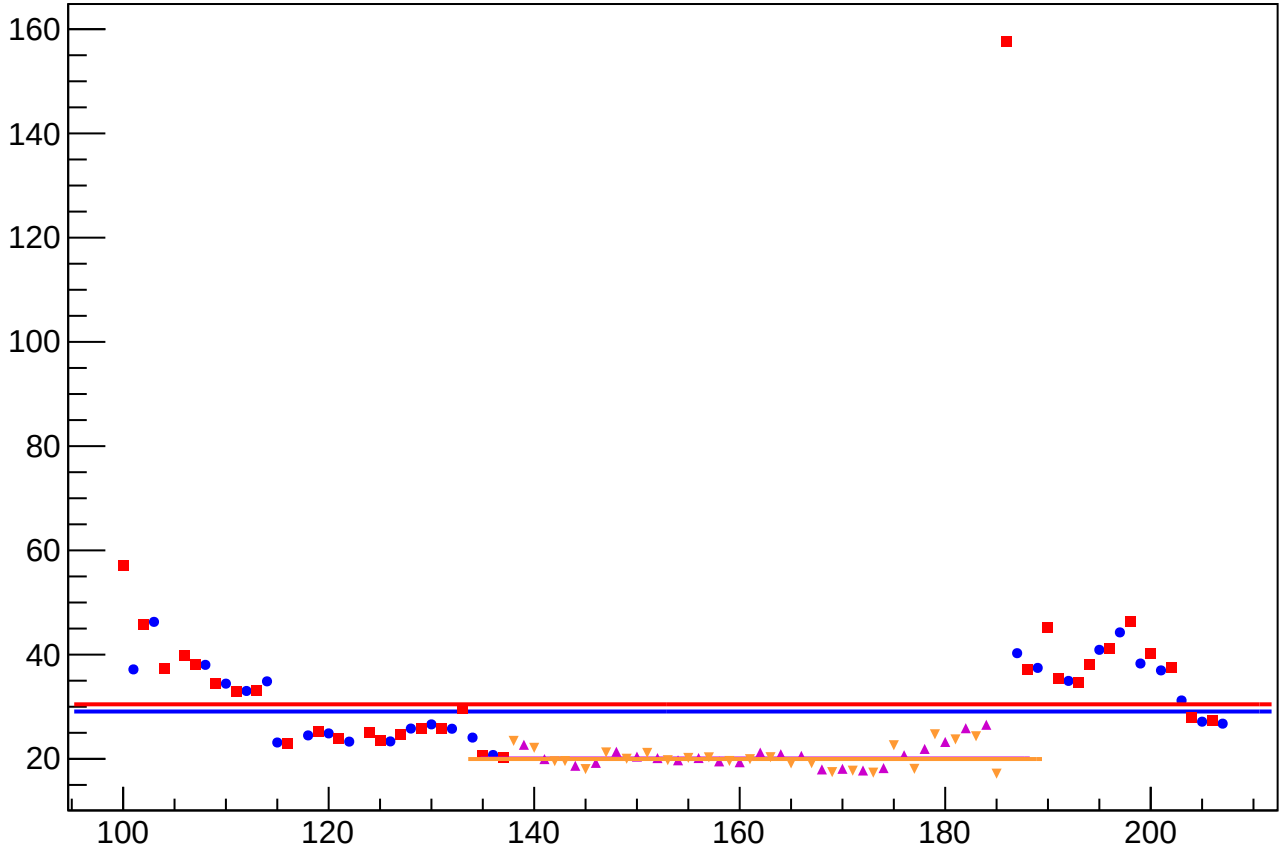
Right: 0.032+/-5.520 χ^2/NDF: 73.2/56

In: -8.054+/-4.036 χ^2/NDF:44.2/48

Out: 2.402+/-3.952 χ^2/NDF:76.6/55

All: -2.716+/-2.824 χ^2/NDF: 124.2/104

cor_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 29.086+/-0.005 χ^2/NDF: 1515372.4/25

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

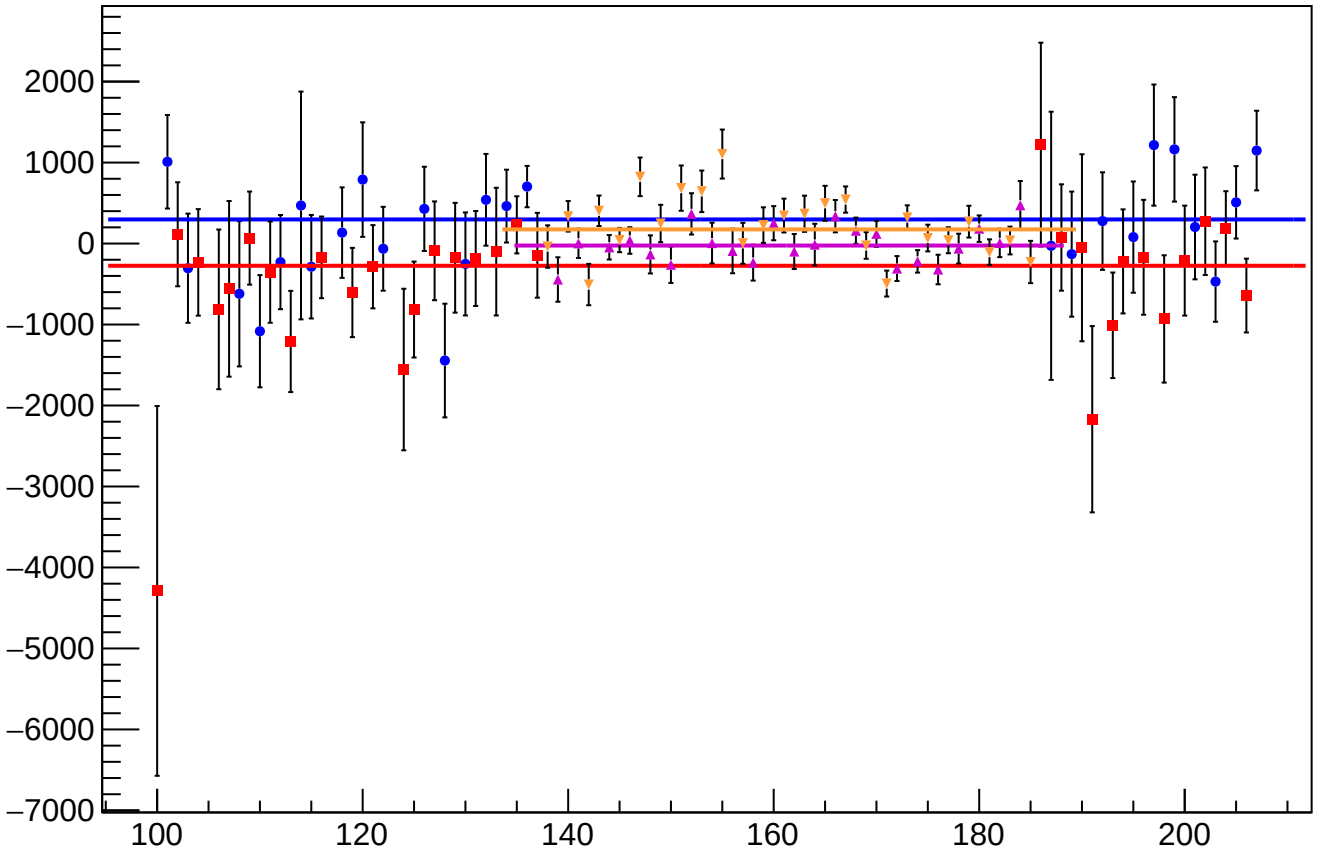
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.770+/-0.004 χ^2/NDF: 3768873.6/56

In: 22.506+/-0.003 χ^2/NDF:3783069.9/48

Out: 22.632+/-0.003 χ^2/NDF:5281601.9/55

All: 22.570+/-0.002 χ^2/NDF: 9065663.8/104



Right In: 297.623+/-110.654 χ^2/NDF: 29.3/25

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

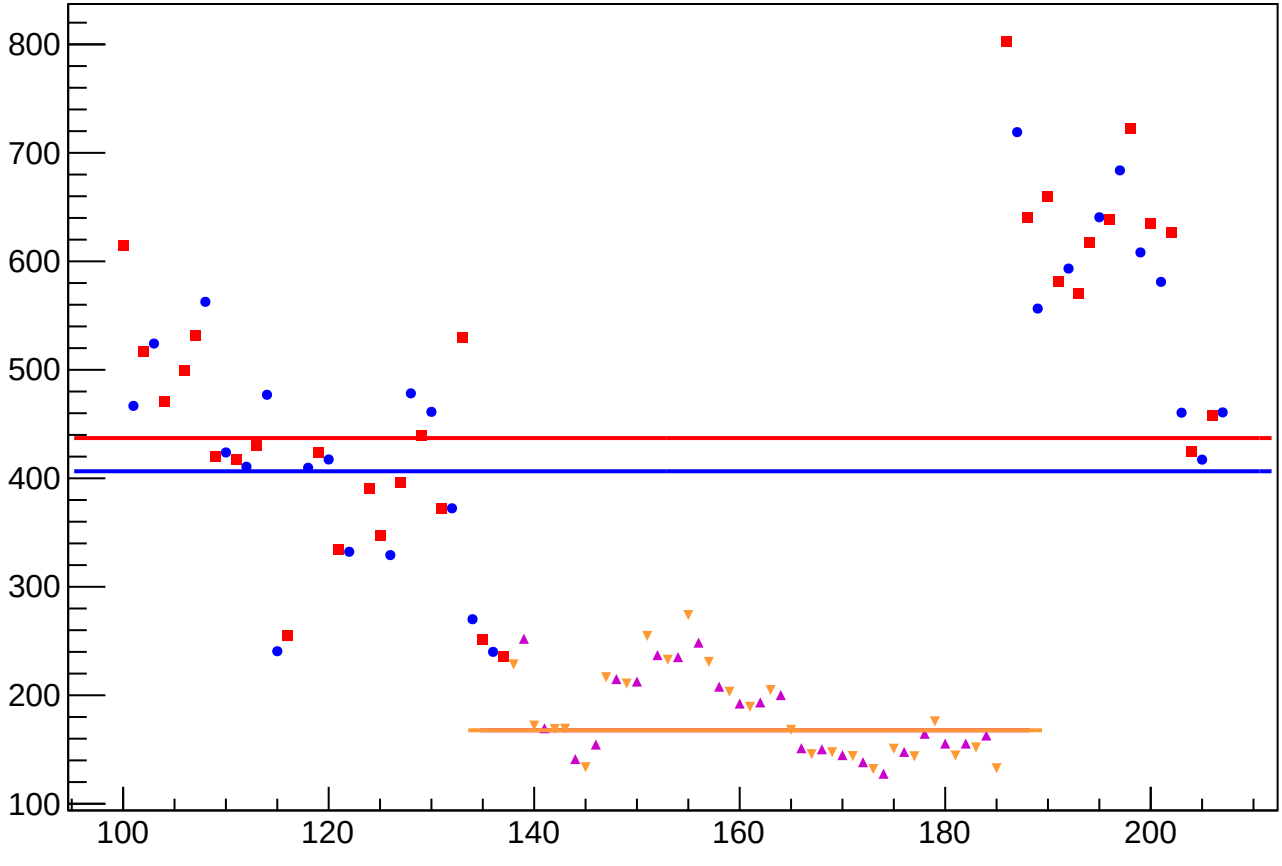
Right: 18.692+/-79.203 χ^2/NDF: 62.7/56

In: 12.765+/-37.676 χ^2/NDF:63.7/48

Out: 127.103+/-36.922 χ^2/NDF:105.7/55

All: 71.090+/-26.370 χ^2/NDF: 174.0/104

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 406.494+/-0.078 χ^2/NDF: 2684857.0/25

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

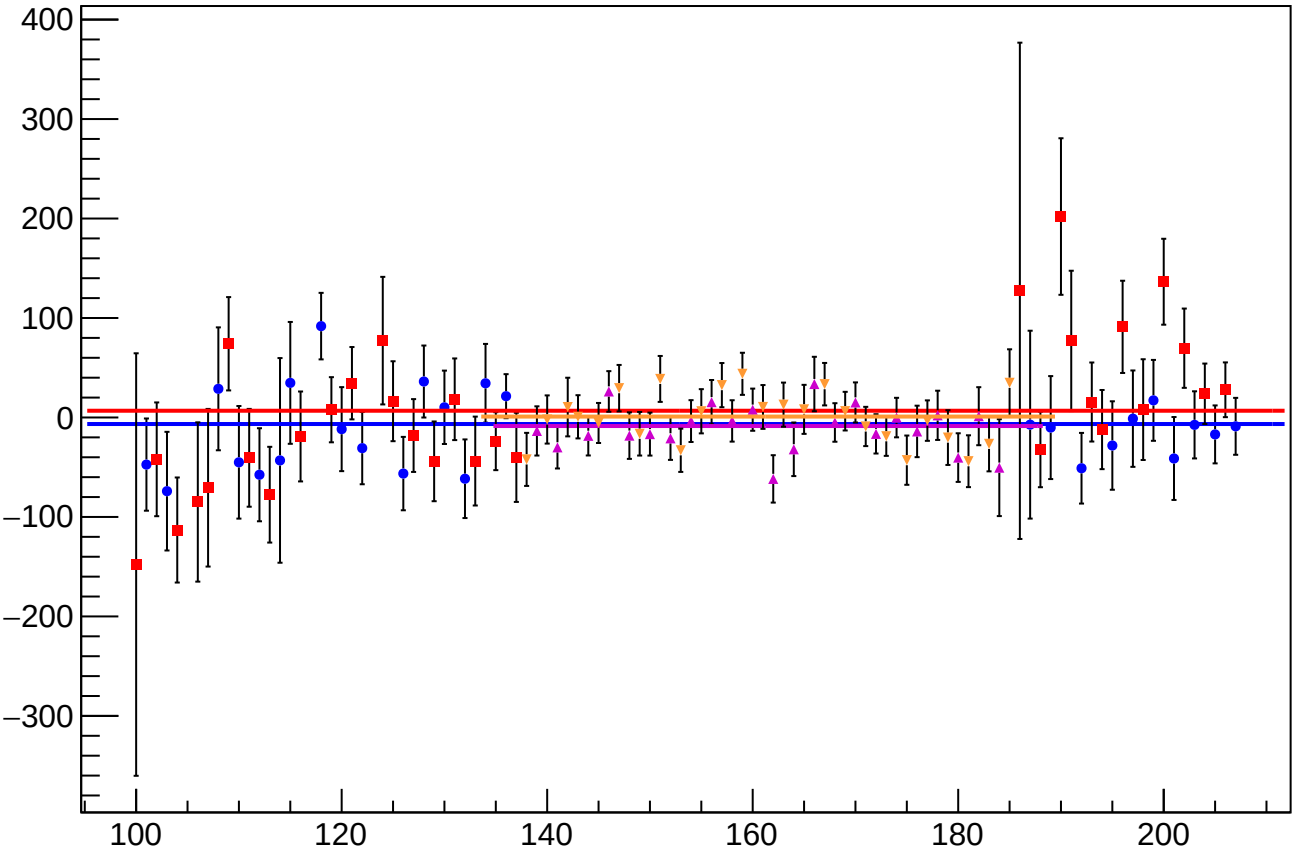
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 421.416+/-0.056 χ^2/NDF: 5606995.8/56

In: 195.426+/-0.027 χ^2/NDF:12319067.0/48

Out: 196.298+/-0.026 χ^2/NDF:14509442.9/55

All: 195.871+/-0.019 χ^2/NDF: 26829055.9/10



Right In: -6.578+/-7.767 χ^2/NDF: 24.8/25

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

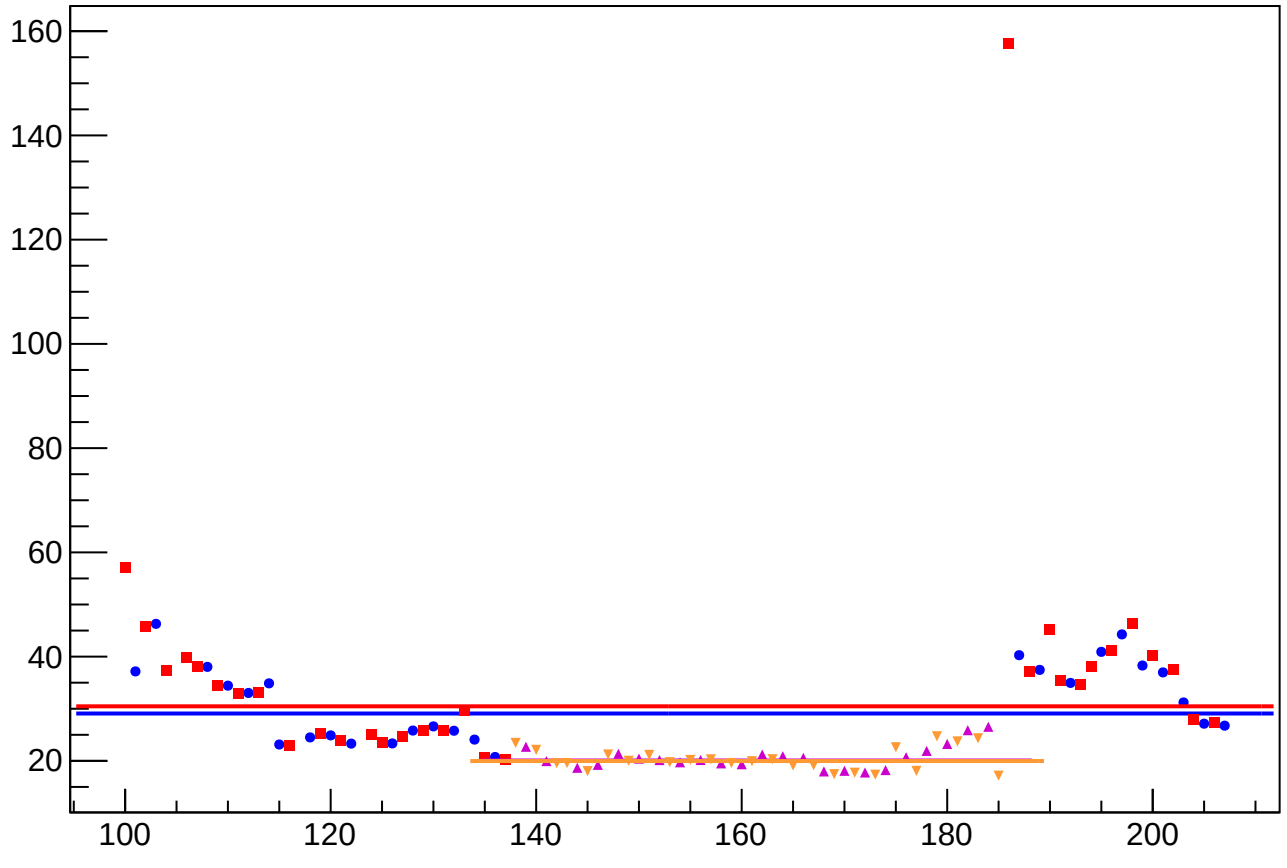
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: 0.032+/-5.520 χ^2/NDF: 73.2/56

In: -8.054+/-4.036 χ^2/NDF:44.2/48

Out: 2.402+/-3.952 χ^2/NDF:76.6/55

All: -2.716+/-2.824 χ^2/NDF: 124.2/104



Right In: 29.086+/-0.005 χ^2/NDF: 1515372.4/25

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

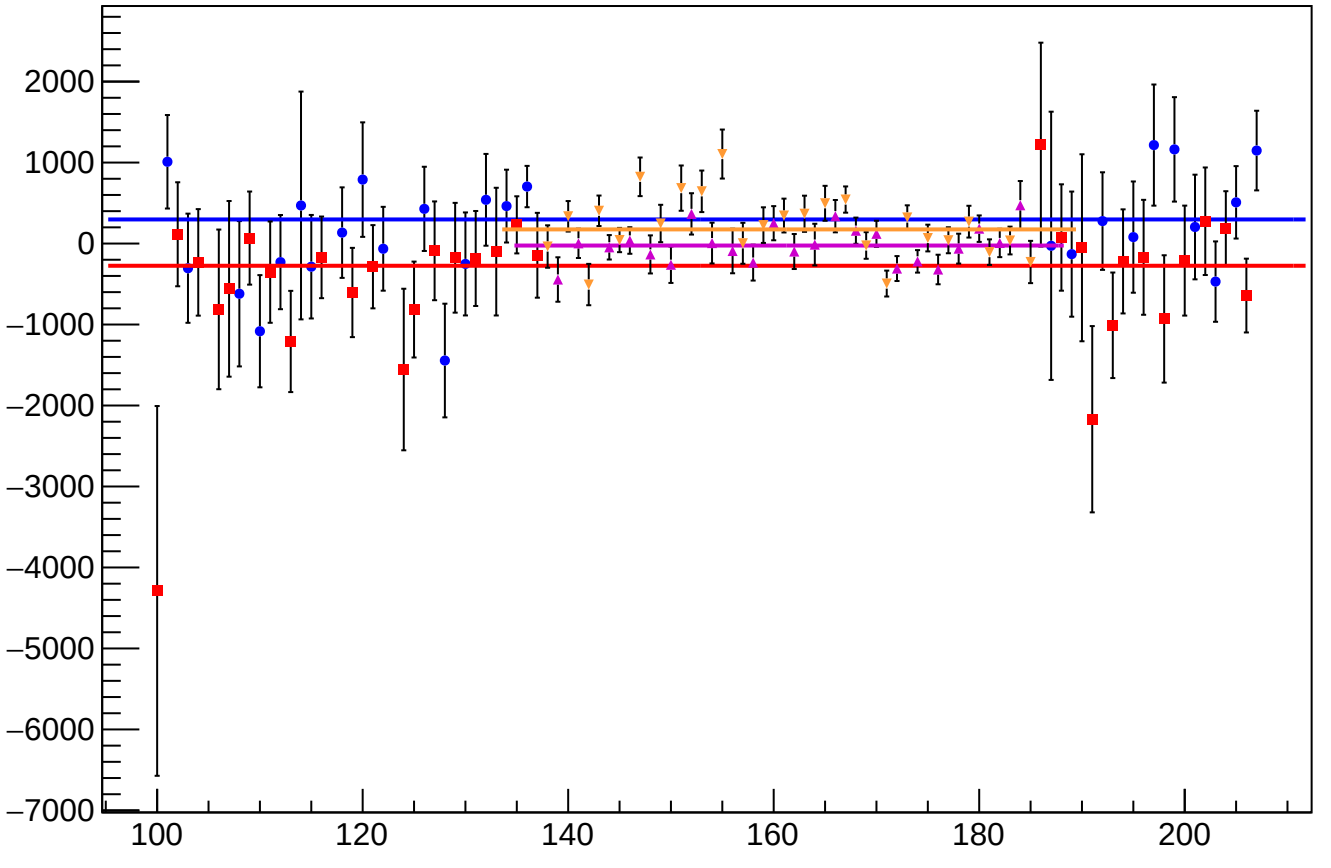
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.770+/-0.004 χ^2/NDF: 3768873.6/56

In: 22.506+/-0.003 χ^2/NDF:3783069.9/48

Out: 22.632+/-0.003 χ^2/NDF:5281601.9/55

All: 22.570+/-0.002 χ^2/NDF: 9065663.8/104



Right In: 297.623+/-110.654 χ^2/NDF: 29.3/25

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

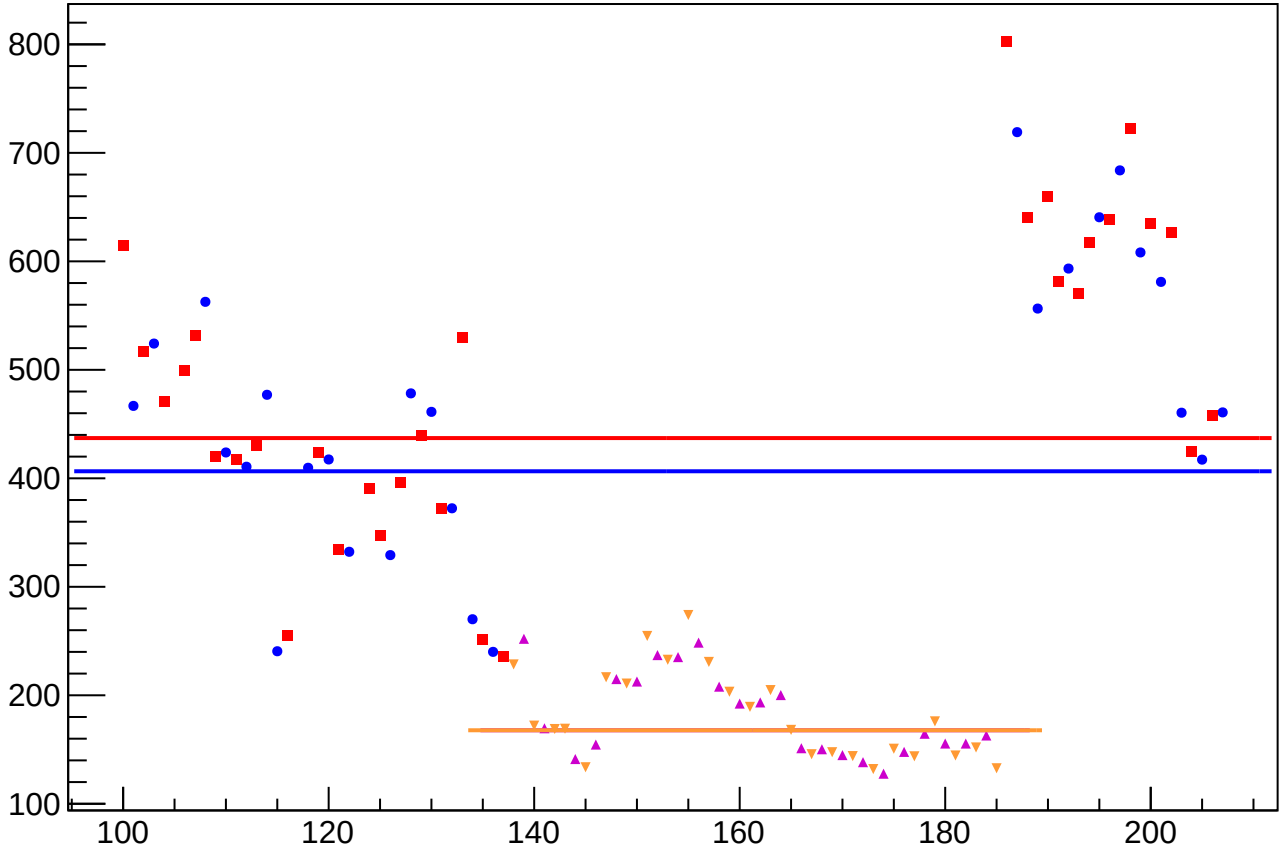
Right: 18.692+/-79.203 χ^2/NDF: 62.7/56

In: 12.765+/-37.676 χ^2/NDF:63.7/48

Out: 127.103+/-36.922 χ^2/NDF:105.7/55

All: 71.090+/-26.370 χ^2/NDF: 174.0/104

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 406.494+/-0.078 χ^2/NDF: 2684857.0/25

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

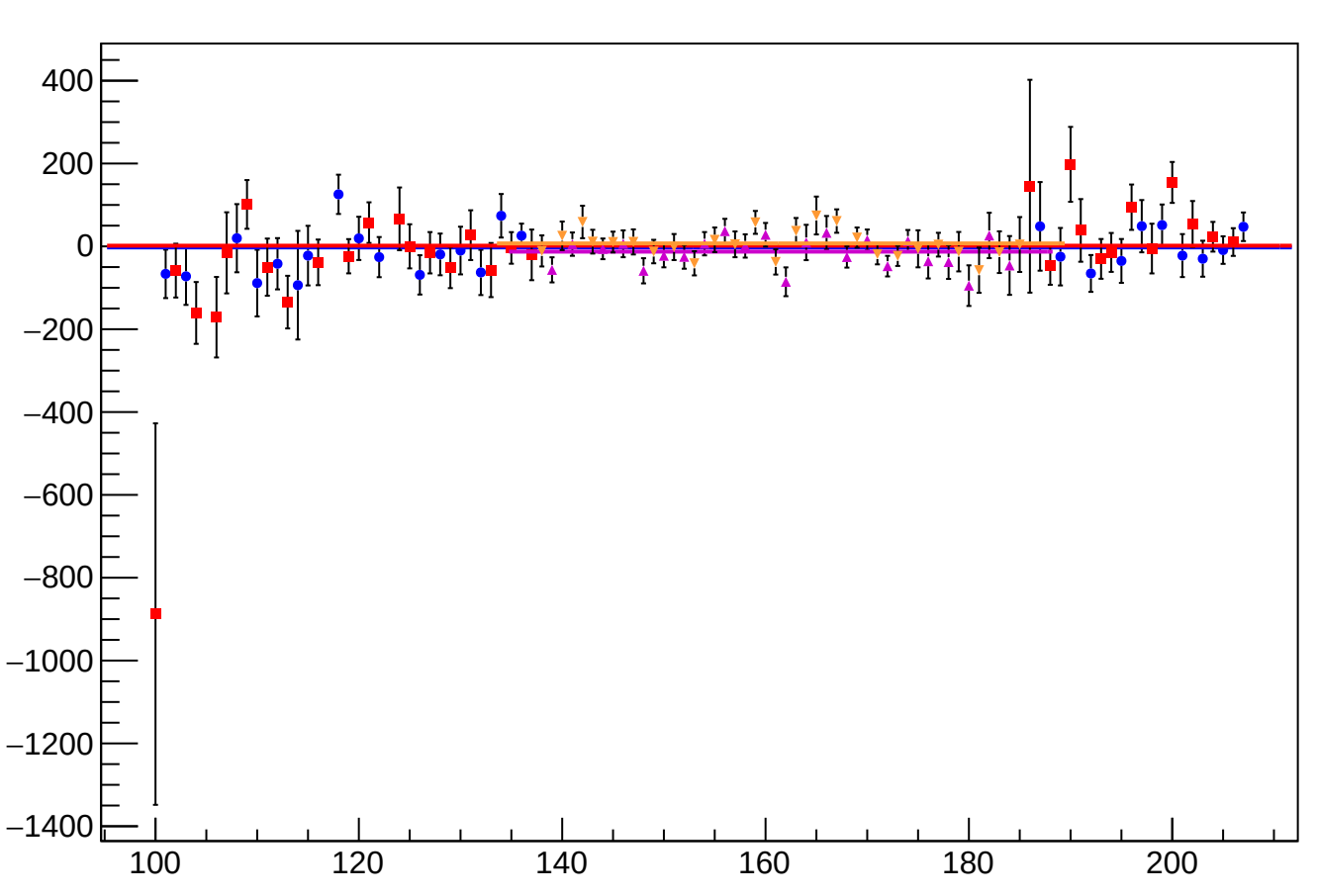
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 421.416+/-0.056 χ^2/NDF: 5606995.8/56

In: 195.426+/-0.027 χ^2/NDF:12319067.0/48

Out: 196.298+/-0.026 χ^2/NDF:14509442.9/55

All: 195.871+/-0.019 χ^2/NDF: 26829055.9/10



Right In: -2.497+/-9.985 χ^2/NDF: 25.7/25

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

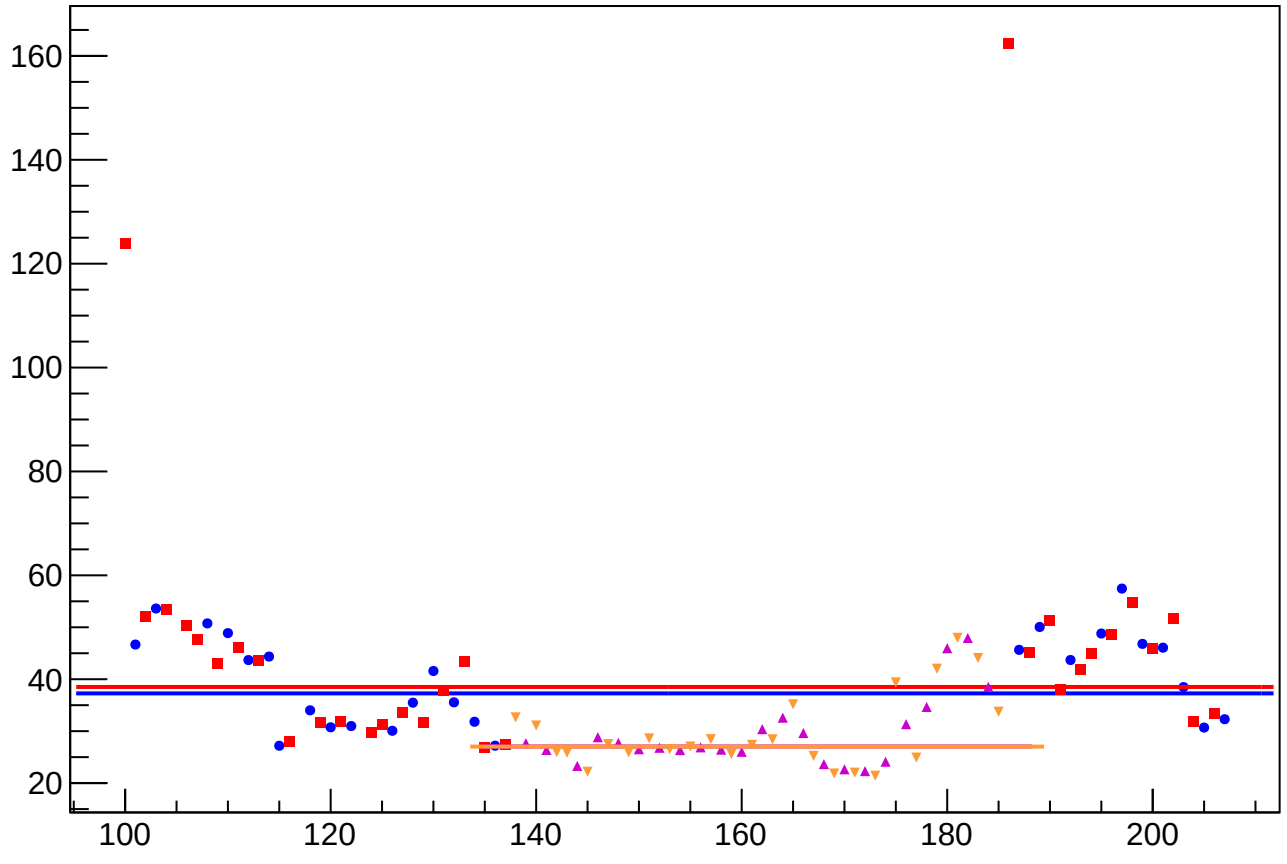
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -0.424+/-7.033 χ^2/NDF: 72.3/56

In: -9.652+/-5.455 χ^2/NDF:52.0/48

Out: 5.495+/-5.336 χ^2/NDF:69.5/55

All: -1.911+/-3.815 χ^2/NDF: 125.4/104



Right In: 37.271+/-0.007 χ^2/NDF: 1397090.4/25

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

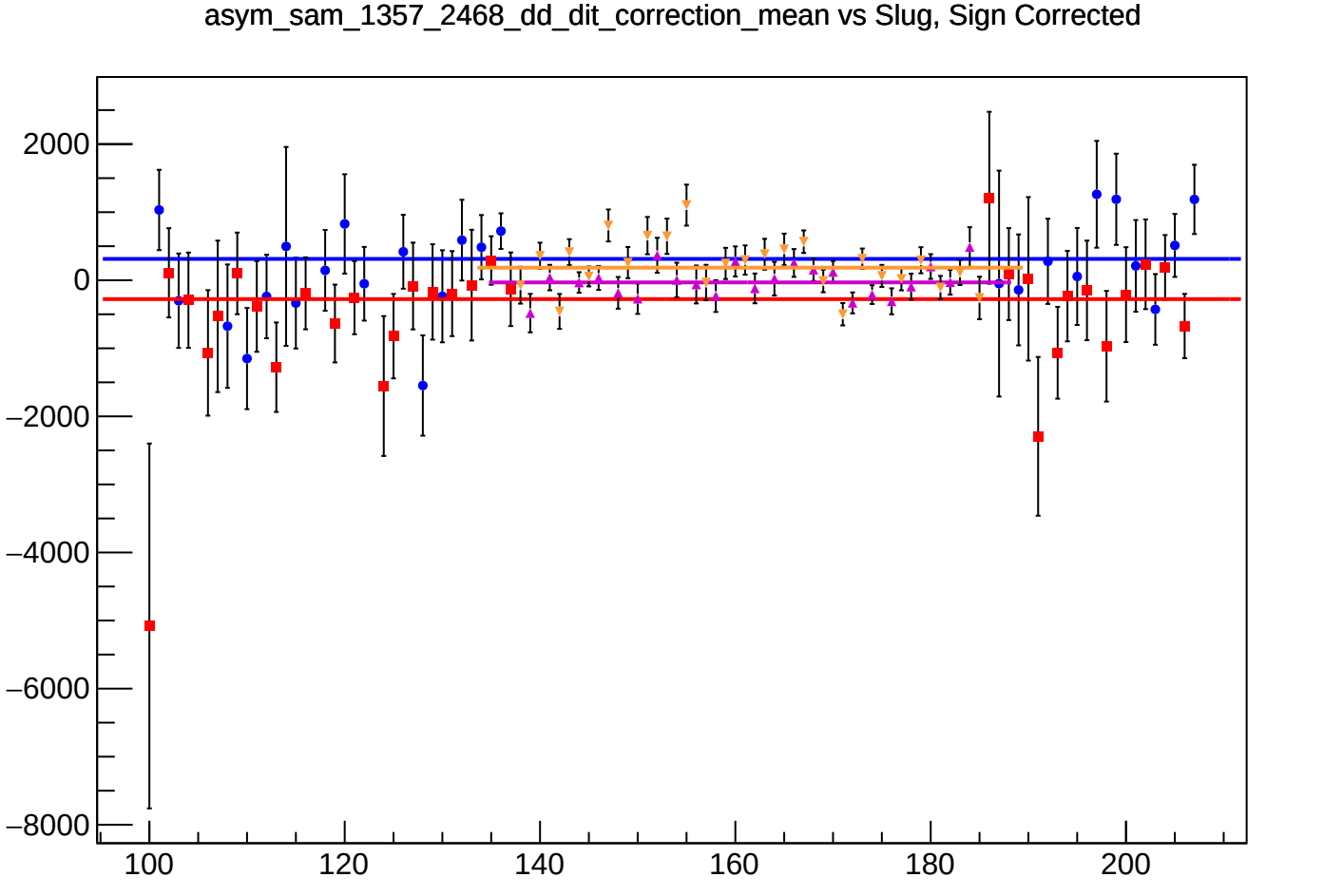
Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

Right: 37.895+/-0.005 χ^2/NDF: 3370865.6/56

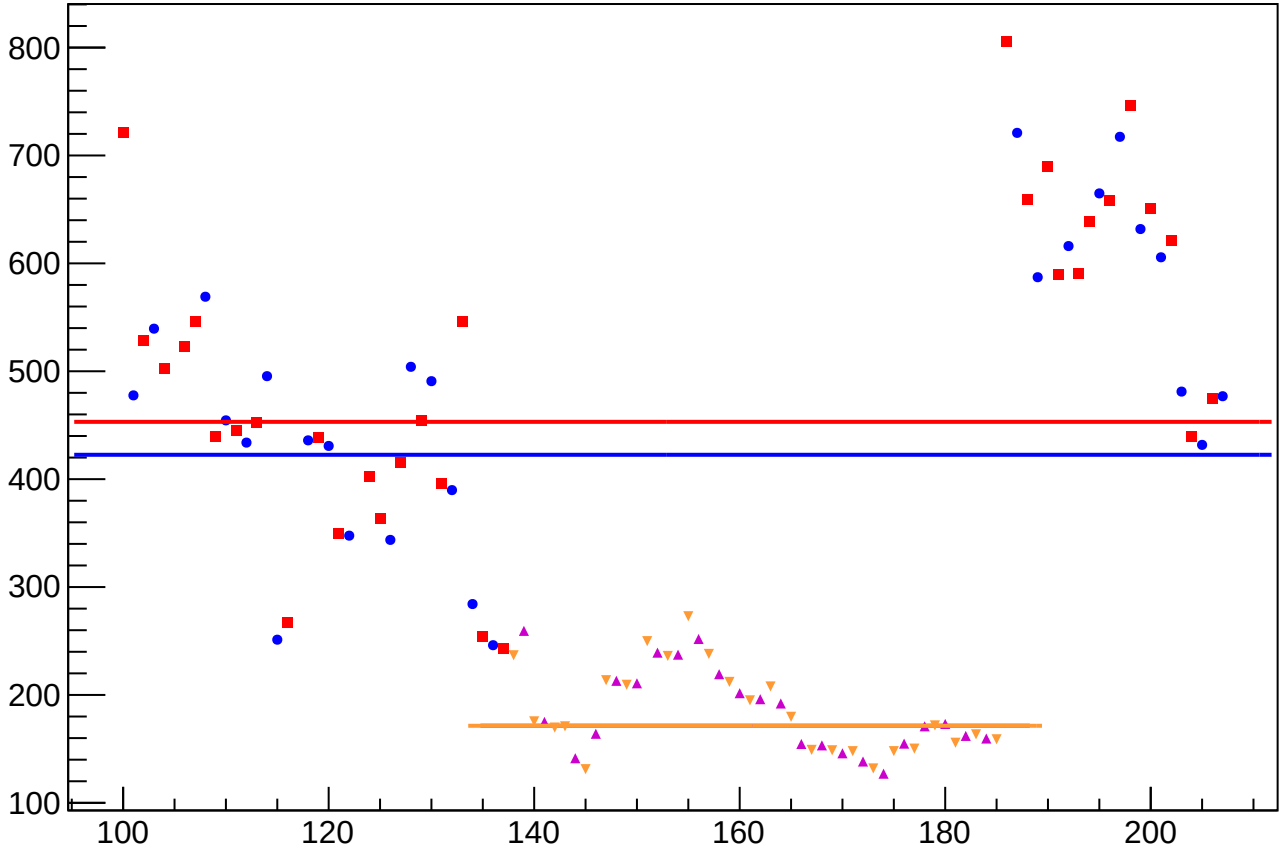
In: 30.102+/-0.004 χ^2/NDF:3910929.8/48

Out: 30.357+/-0.004 χ^2/NDF:5296024.7/55

All: 30.233+/-0.003 χ^2/NDF: 9209179.8/104


asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 313.448+/-115.072 χ²/NDF: 28.9/25
Left Out: 184.675+/-39.832 χ²/NDF:67.7/24
Right Out: -276.995+/-117.255 χ²/NDF: 21.8/30
Left In: -31.891+/-40.975 χ²/NDF:26.4/22
Left: 79.454+/-28.561 χ²/NDF: 108.4/47
Right: 23.775+/-82.129 χ²/NDF: 63.5/56
In: 6.968+/-38.601 χ²/NDF:63.2/48
Out: 136.911+/-37.715 χ²/NDF:103.4/55
All: 73.447+/-26.976 χ²/NDF: 172.4/104

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 422.592+/-0.081 χ^2/NDF: 2724821.3/25

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

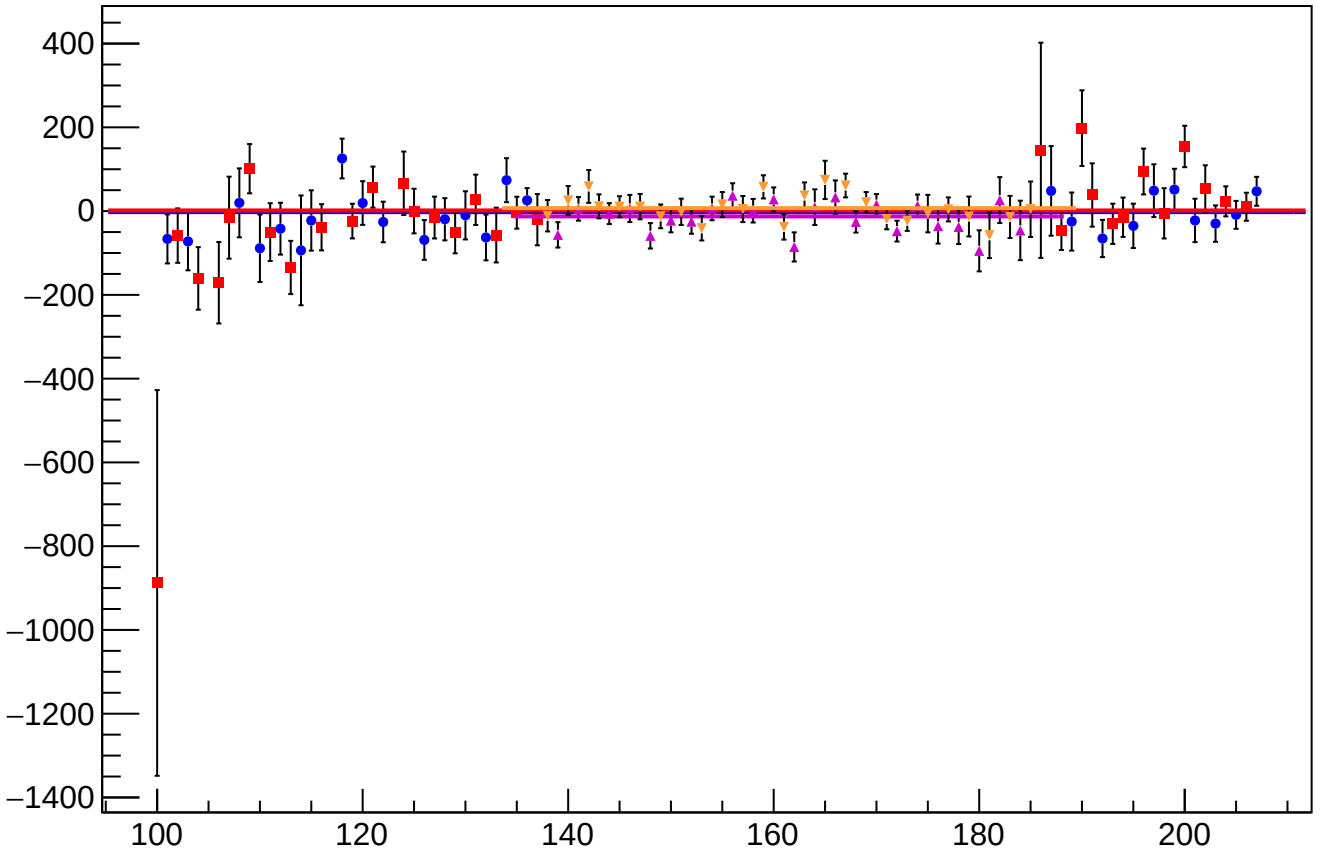
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 437.571+/-0.058 χ^2/NDF: 5622043.8/56

In: 199.745+/-0.027 χ^2/NDF:12592350.7/48

Out: 200.571+/-0.027 χ^2/NDF:14704031.1/55

All: 200.168+/-0.019 χ^2/NDF: 27296849.8/10



Right In: -2.499+/-9.985 χ^2/NDF: 25.7/25

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

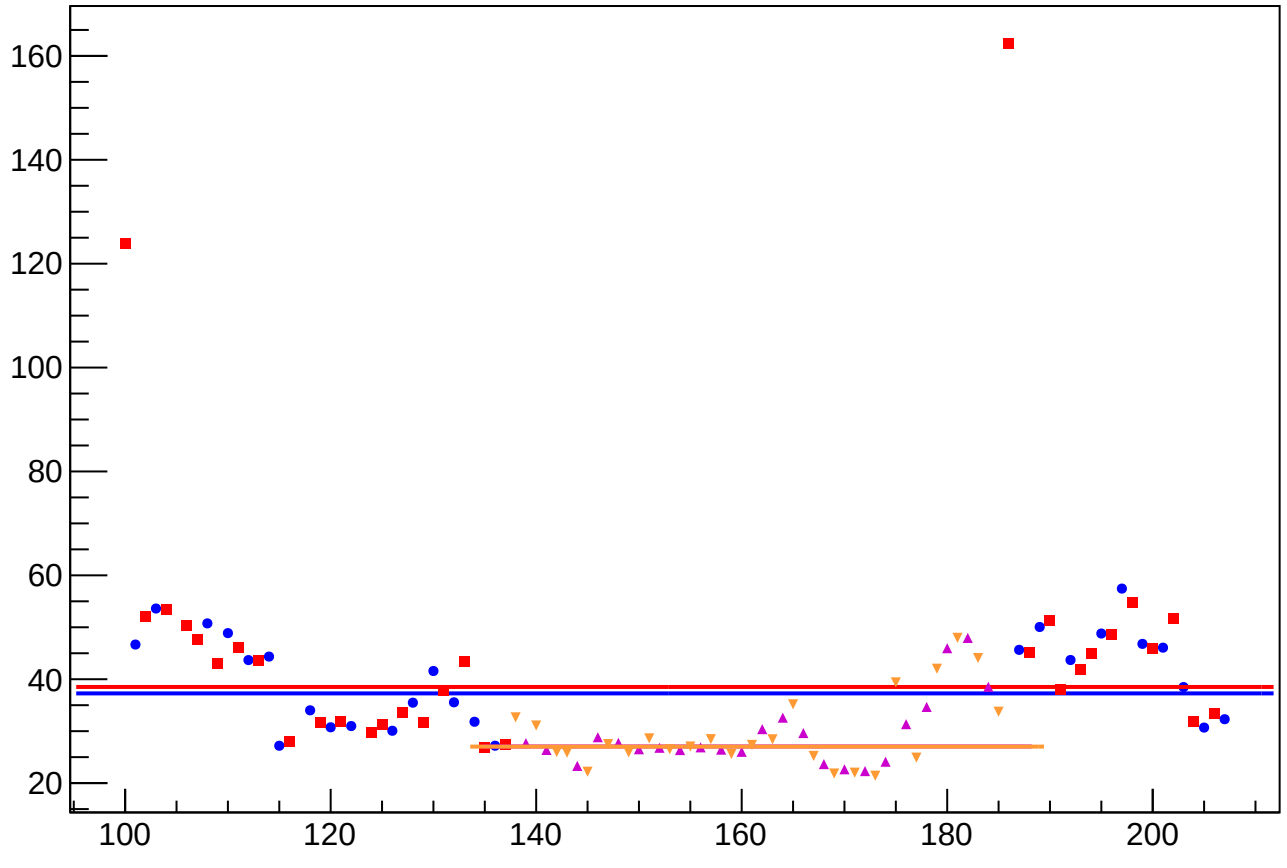
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -0.425+/-7.033 χ^2/NDF: 72.3/56

In: -9.652+/-5.455 χ^2/NDF:52.0/48

Out: 5.495+/-5.336 χ^2/NDF:69.5/55

All: -1.912+/-3.815 χ^2/NDF: 125.4/104



Right In: 37.270+/-0.007 χ^2/NDF: 1397081.0/25

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

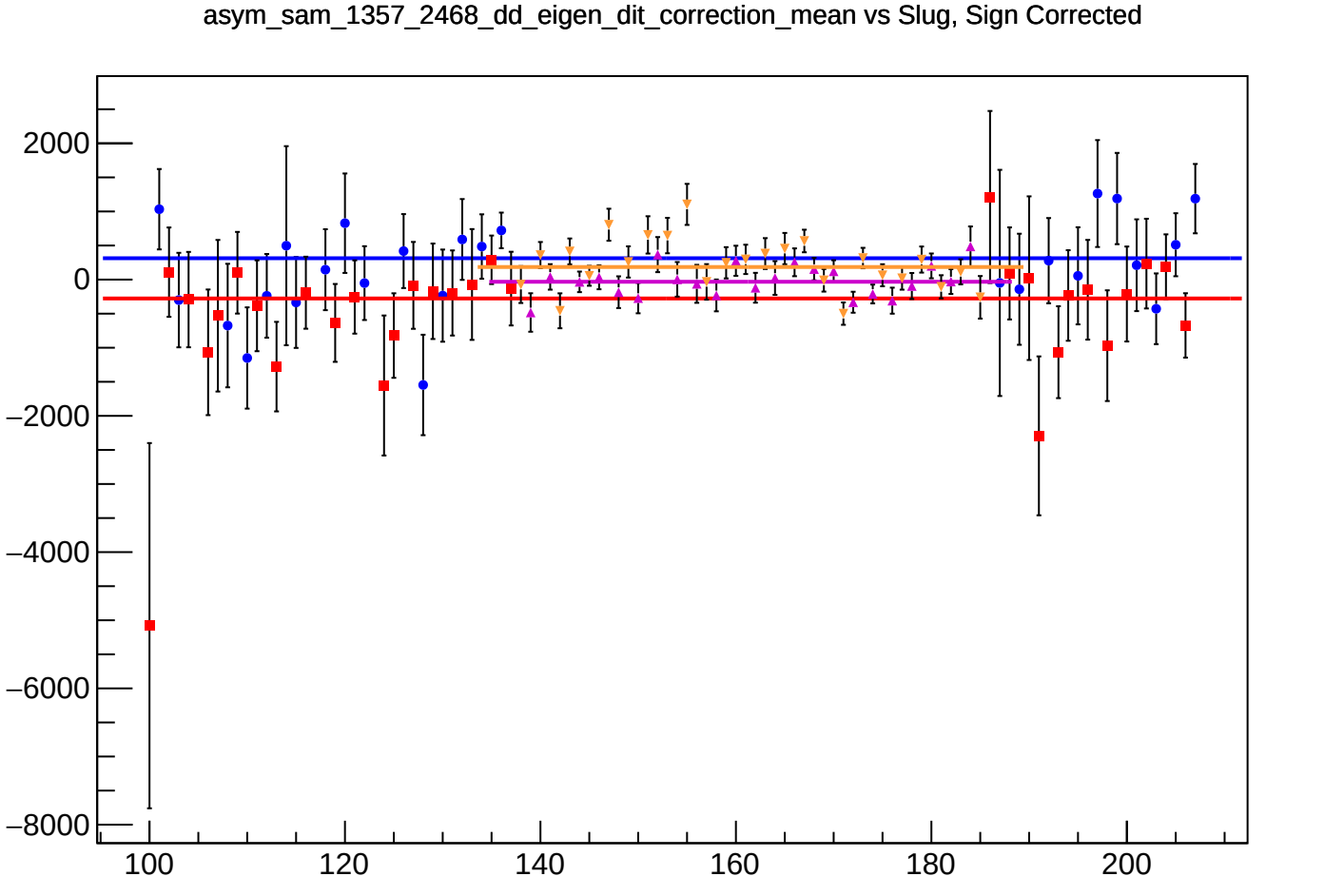
Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

Right: 37.895+/-0.005 χ^2/NDF: 3370866.8/56

In: 30.102+/-0.004 χ^2/NDF:3910803.8/48

Out: 30.357+/-0.004 χ^2/NDF:5295960.8/55

All: 30.233+/-0.003 χ^2/NDF: 9208990.8/104


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
2000
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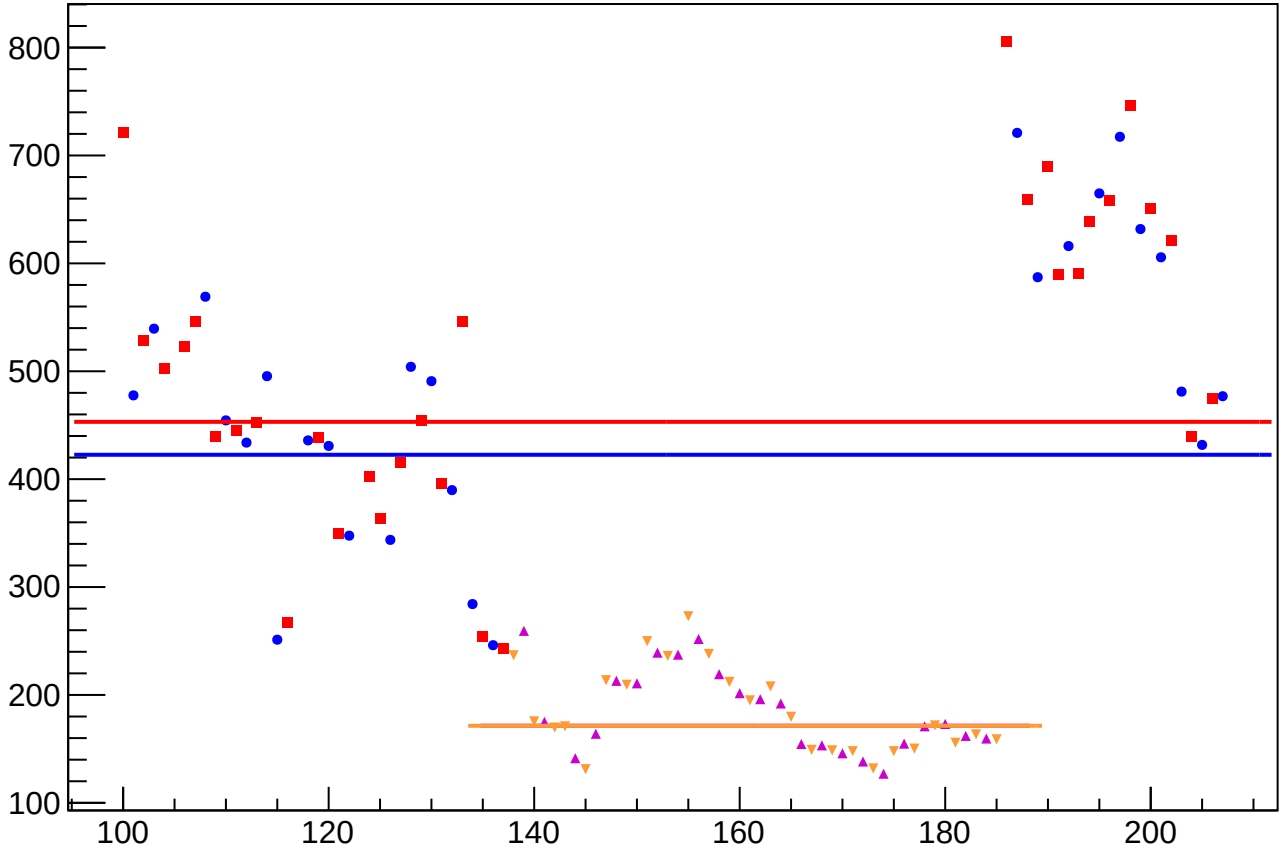
−2000
−4000
−6000
−8000
100
120
140
160
180
200
Right In: 313.446+/-115.072 χ²/NDF: 28.9/25
Left Out: 184.674+/-39.832 χ²/NDF:67.7/24
Right Out: -276.996+/-117.255 χ²/NDF: 21.8/30
Left In: -31.891+/-40.975 χ²/NDF:26.4/22
Left: 79.454+/-28.561 χ²/NDF: 108.4/47
Right: 23.774+/-82.129 χ²/NDF: 63.5/56
In: 6.968+/-38.601 χ²/NDF:63.2/48
Out: 136.910+/-37.715 χ²/NDF:103.4/55
All: 73.447+/-26.976 χ²/NDF: 172.4/104

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 422.591+/-0.081 χ^2/NDF: 2724827.4/25

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

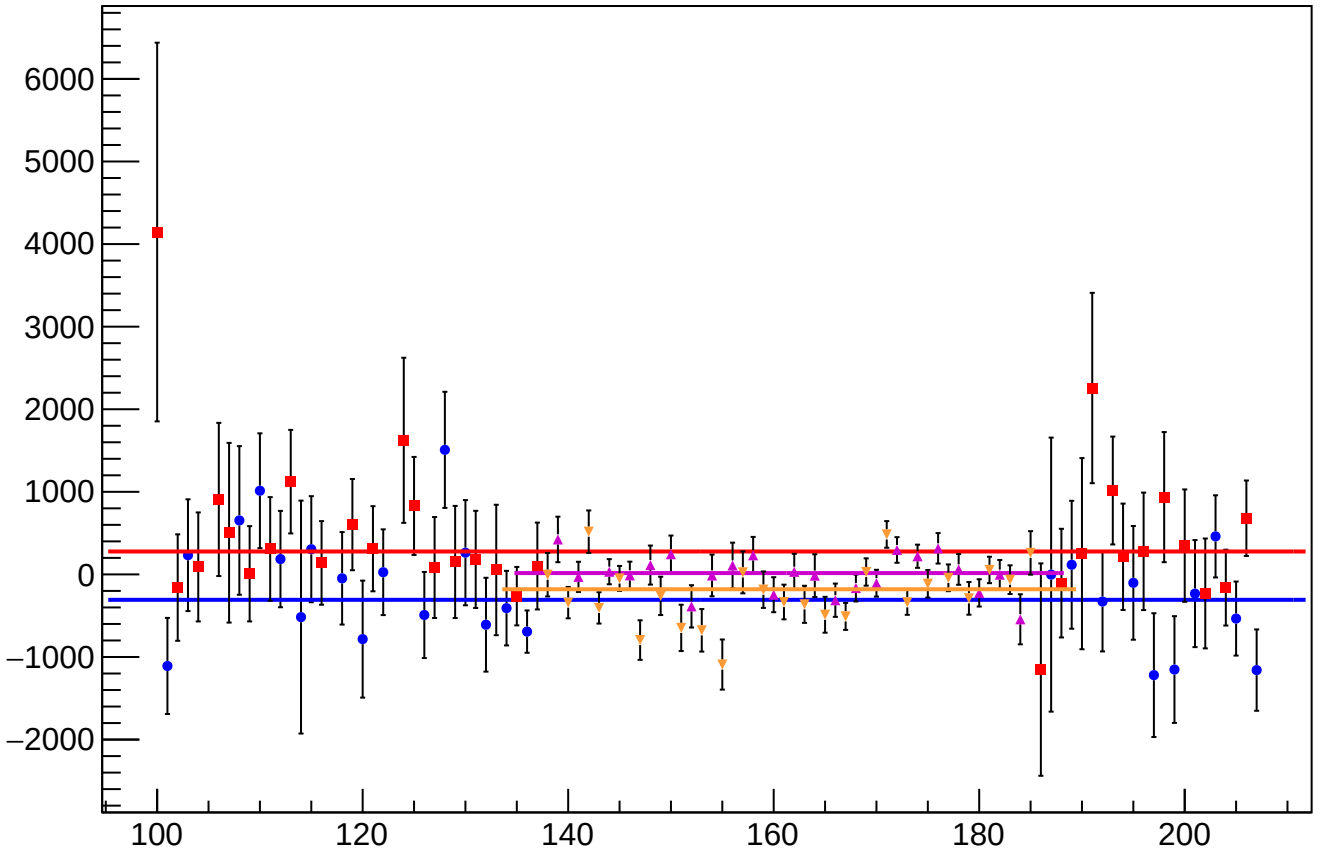
Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

Right: 437.570+/-0.058 χ^2/NDF: 5622062.6/56

In: 199.745+/-0.027 χ^2/NDF:12592390.4/48

Out: 200.570+/-0.027 χ^2/NDF:14704078.7/55

All: 200.167+/-0.019 χ^2/NDF: 27296937.2/10



Right In: -307.745+/-110.996 χ^2/NDF: 29.5/25

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

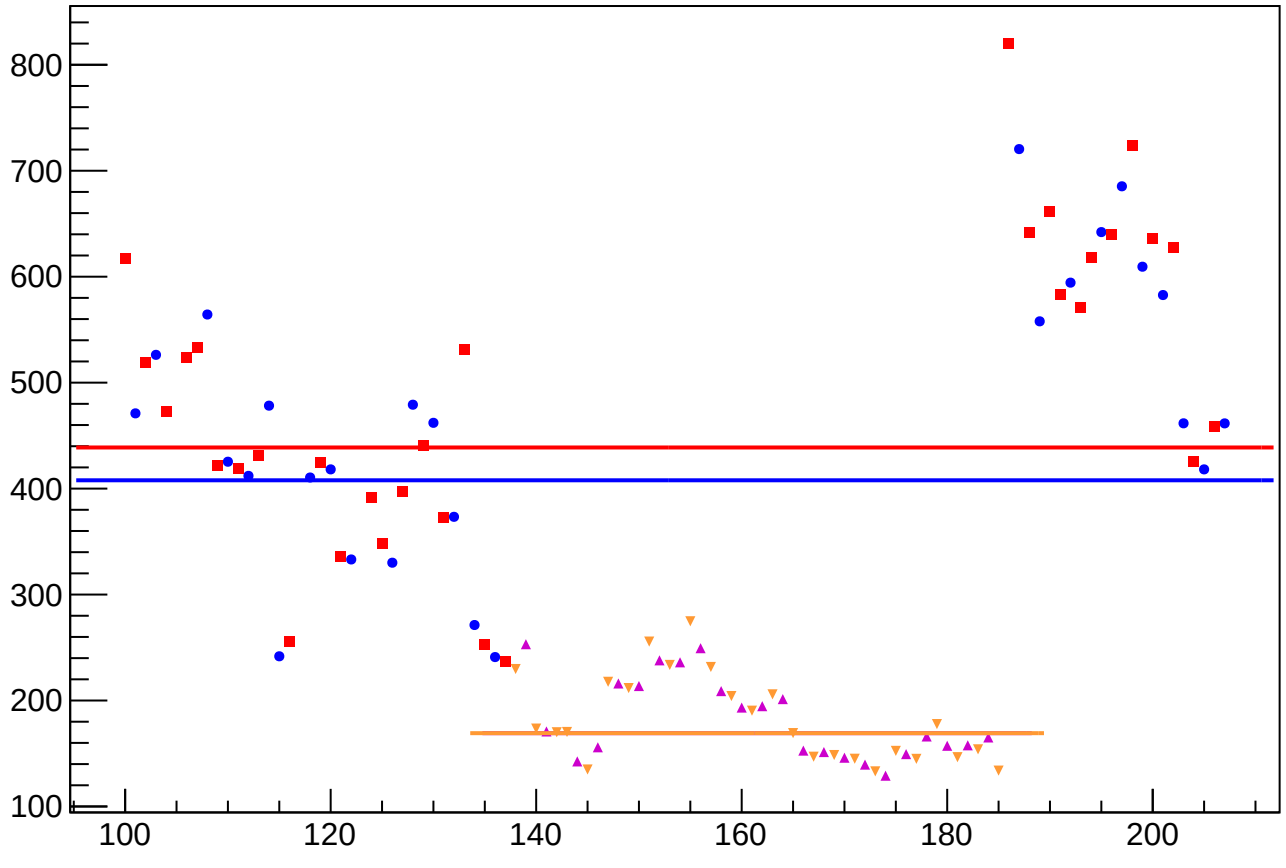
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -21.978+/-79.404 χ^2/NDF: 63.5/56

In: -21.815+/-37.960 χ^2/NDF:63.6/48

Out: -130.673+/-37.195 χ^2/NDF:102.1/55

All: -77.352+/-26.567 χ^2/NDF: 169.9/104



Right In: 407.845+/-0.078 χ^2/NDF: 2675701.4/25

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

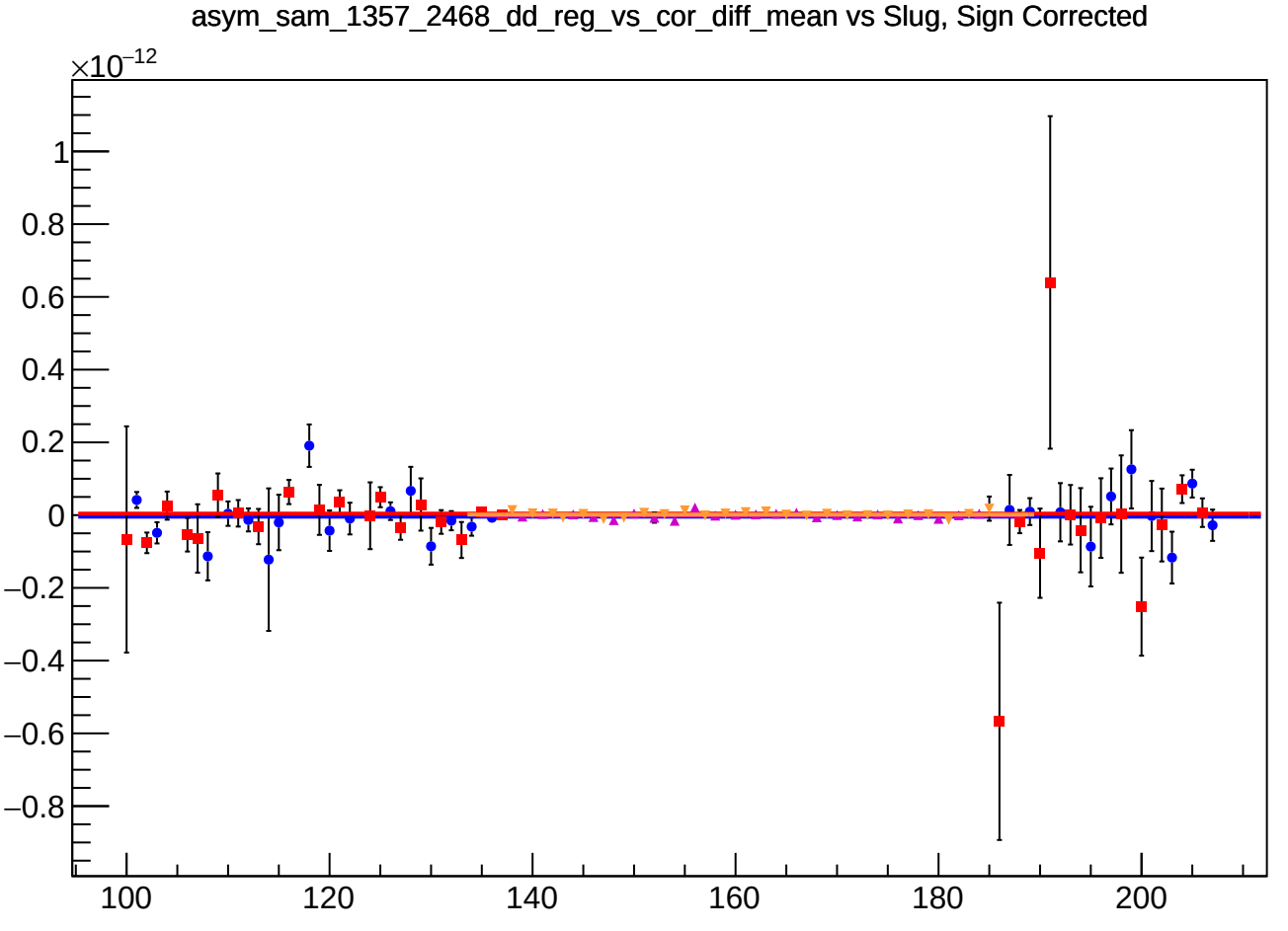
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

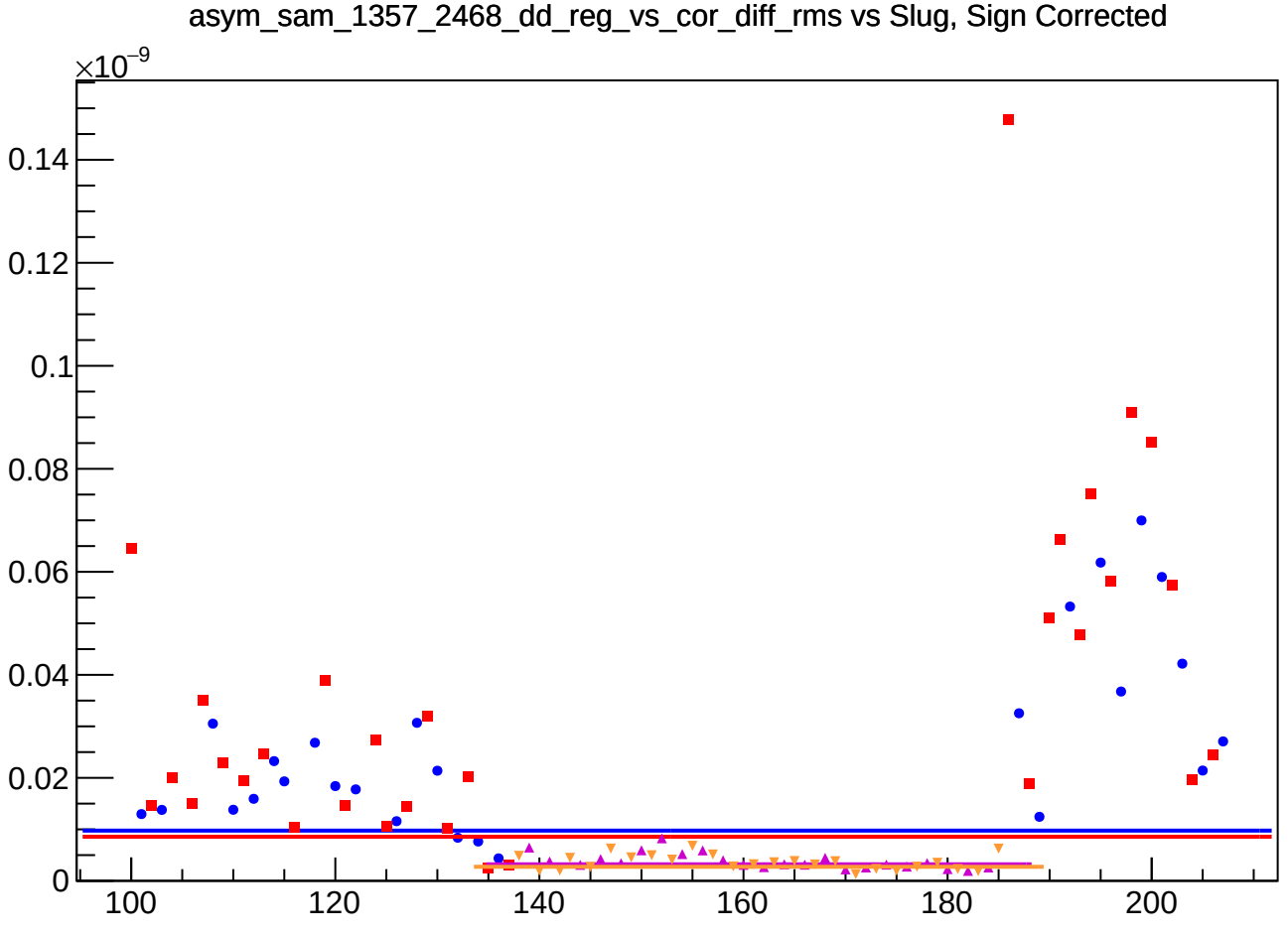
Right: 422.964+/-0.056 χ^2/NDF: 5607329.0/56

In: 197.101+/-0.027 χ^2/NDF:12214952.0/48

Out: 198.068+/-0.026 χ^2/NDF:14456470.3/55

All: 197.594+/-0.019 χ^2/NDF: 26672084.4/10


asym_sam_1357_2468_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: 38.6/25
Left Out: 0.000+/-0.000 χ²/NDF:18.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.2/30
Left In: -0.000+/-0.000 χ²/NDF:19.7/22
Left: 0.000+/-0.000 χ²/NDF: 41.2/47
Right: 0.000+/-0.000 χ²/NDF: 76.0/56
In: -0.000+/-0.000 χ²/NDF:58.5/48
Out: 0.000+/-0.000 χ²/NDF:55.2/55
All: 0.000+/-0.000 χ²/NDF: 117.2/104



Right In: 0.000+/-0.000 χ^2/NDF: 5624590.0/25

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

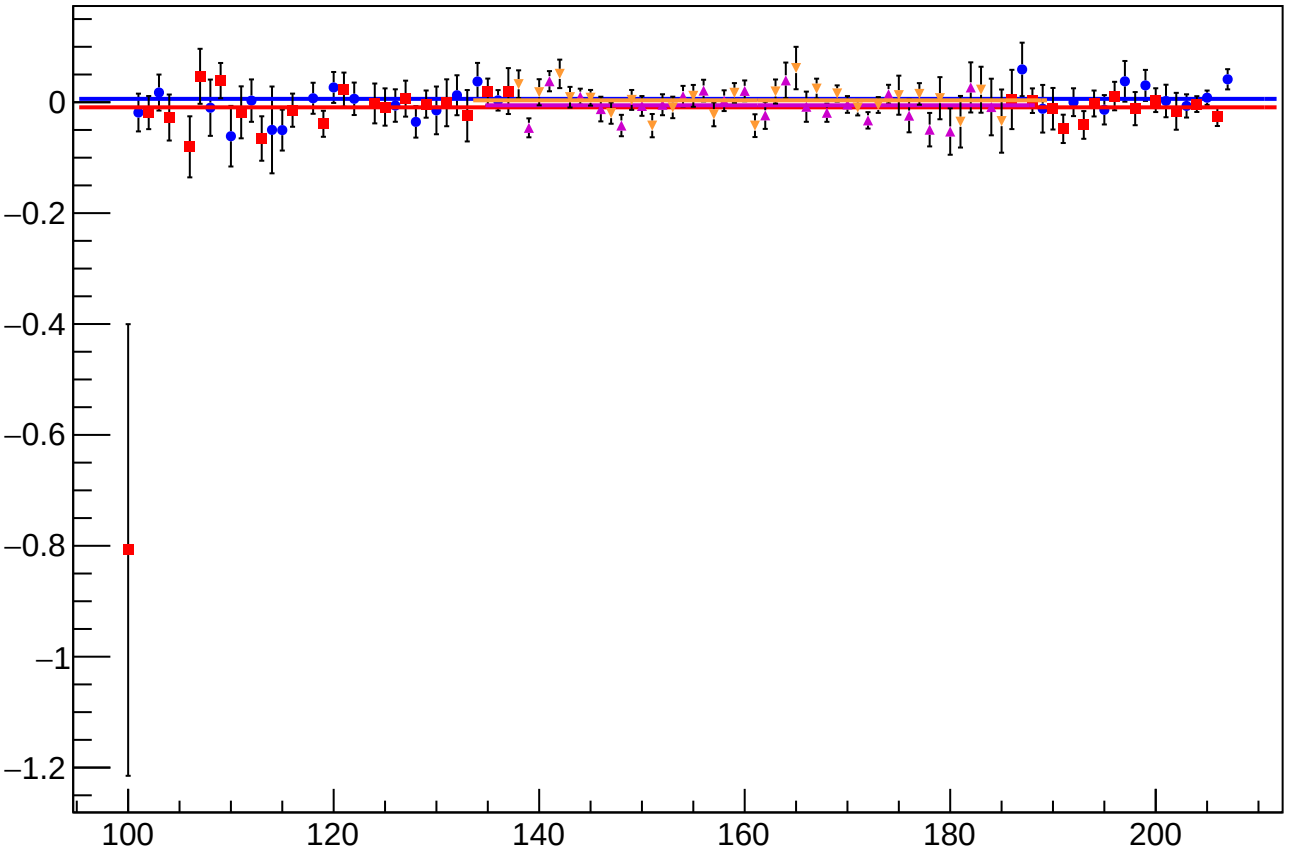
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13783384.7/56

In: 0.000+/-0.000 χ^2/NDF:9702508.4/48

Out: 0.000+/-0.000 χ^2/NDF:12327604.0/55

All: 0.000+/-0.000 χ^2/NDF: 22263212.7/104



Right In: 0.006+/-0.005 χ^2/NDF: 16.8/25

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

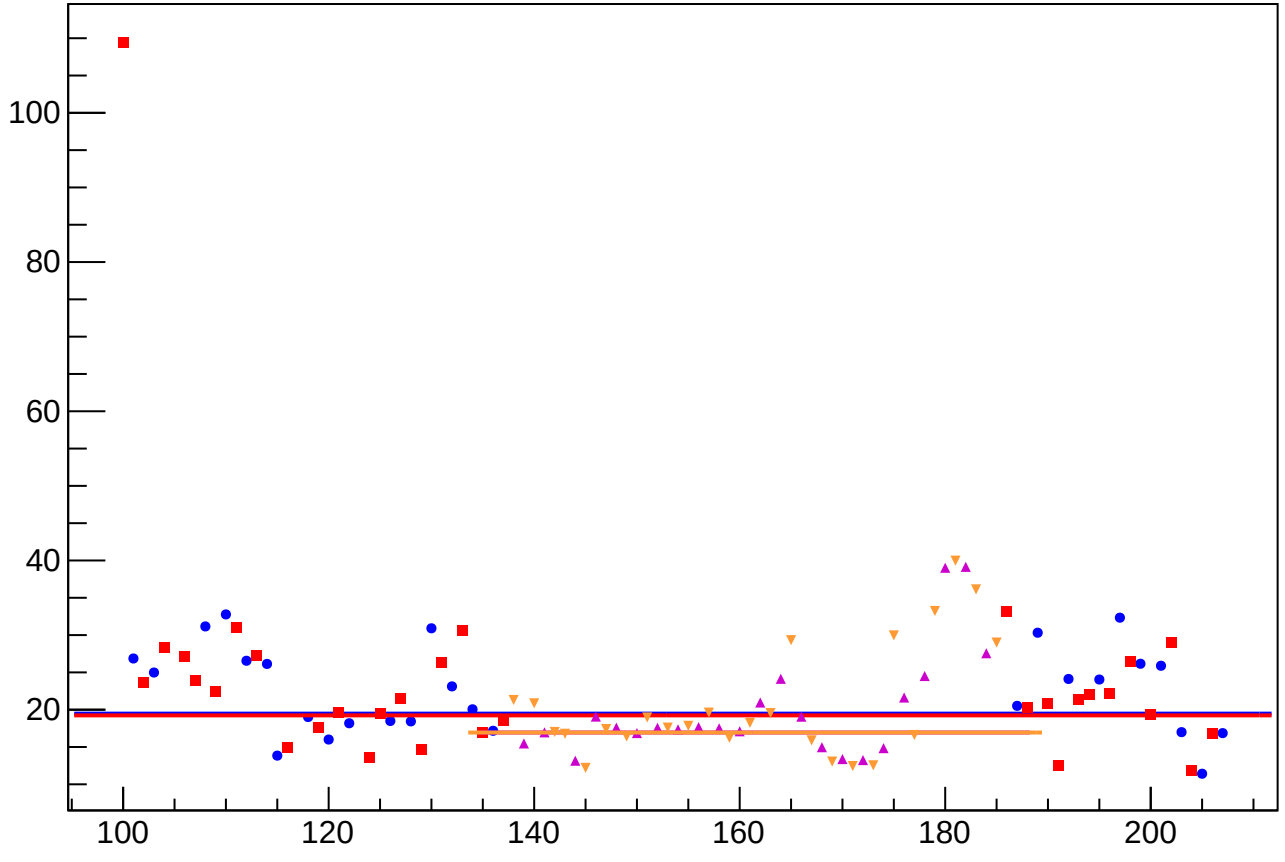
Right: -0.002+/-0.004 χ^2/NDF: 43.9/56

In: -0.001+/-0.003 χ^2/NDF:52.8/48

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.001+/-0.002 χ^2/NDF: 106.4/104

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.471+/-0.004 χ^2/NDF: 2301623.5/25

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

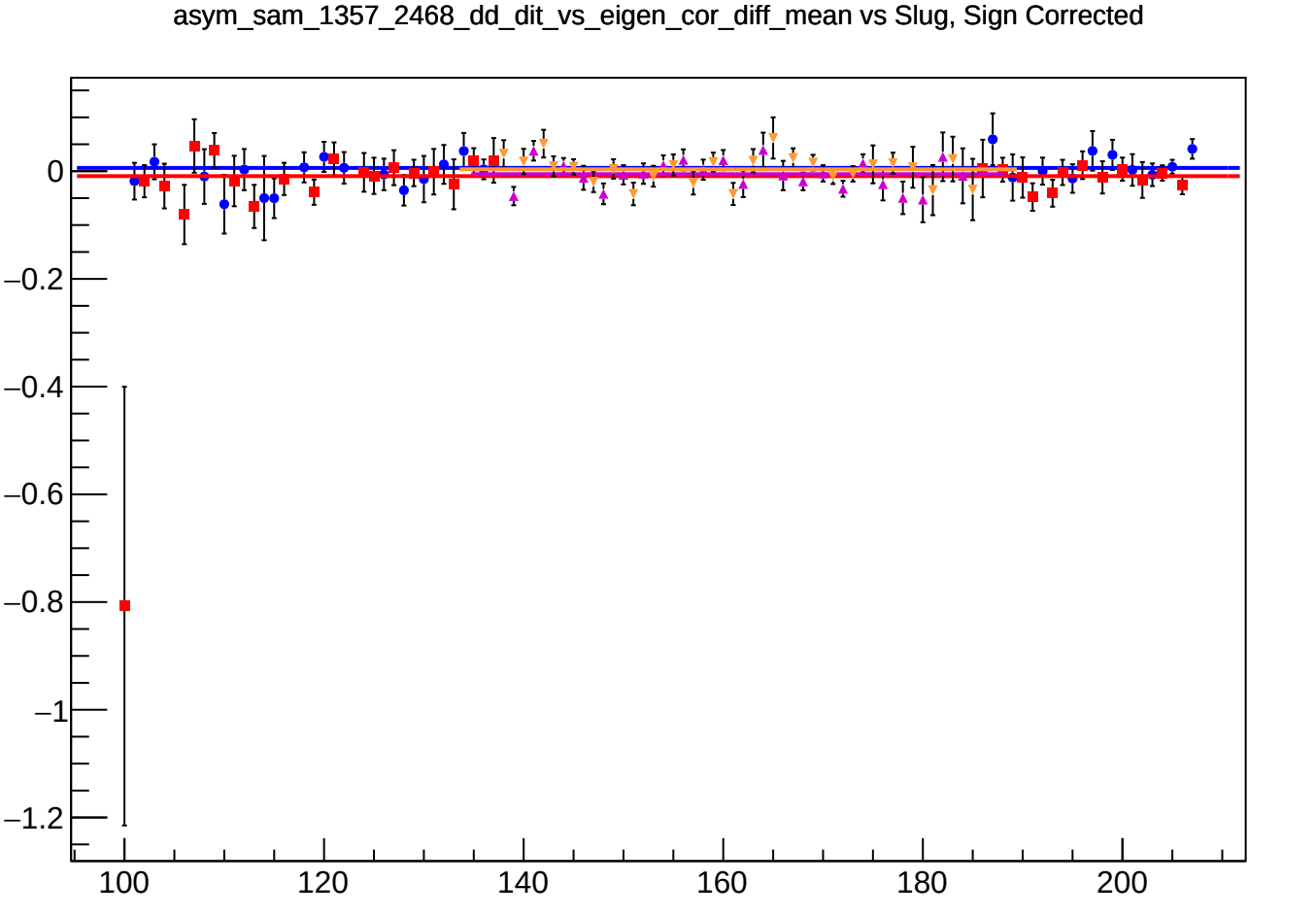
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.348+/-0.003 χ^2/NDF: 4417547.9/56

In: 17.886+/-0.002 χ^2/NDF:4514971.6/48

Out: 17.836+/-0.002 χ^2/NDF:5197425.9/55

All: 17.860+/-0.002 χ^2/NDF: 9712634.6/104



Right In: 0.006+/-0.005 χ^2/NDF: 16.8/25

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

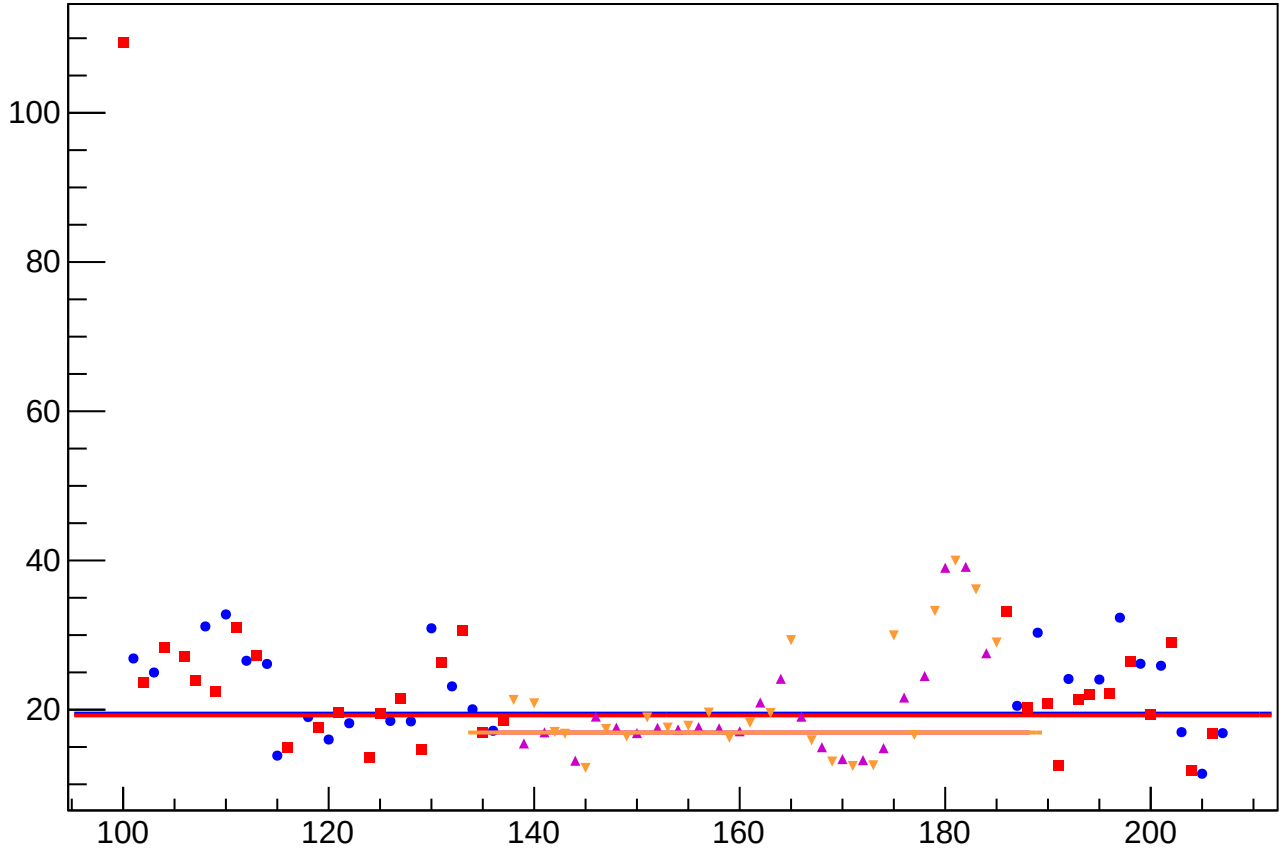
Right: -0.002+/-0.004 χ^2/NDF: 43.9/56

In: -0.001+/-0.003 χ^2/NDF:52.8/48

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.001+/-0.002 χ^2/NDF: 106.4/104

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.471+/-0.004 χ^2/NDF: 2301623.5/25

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

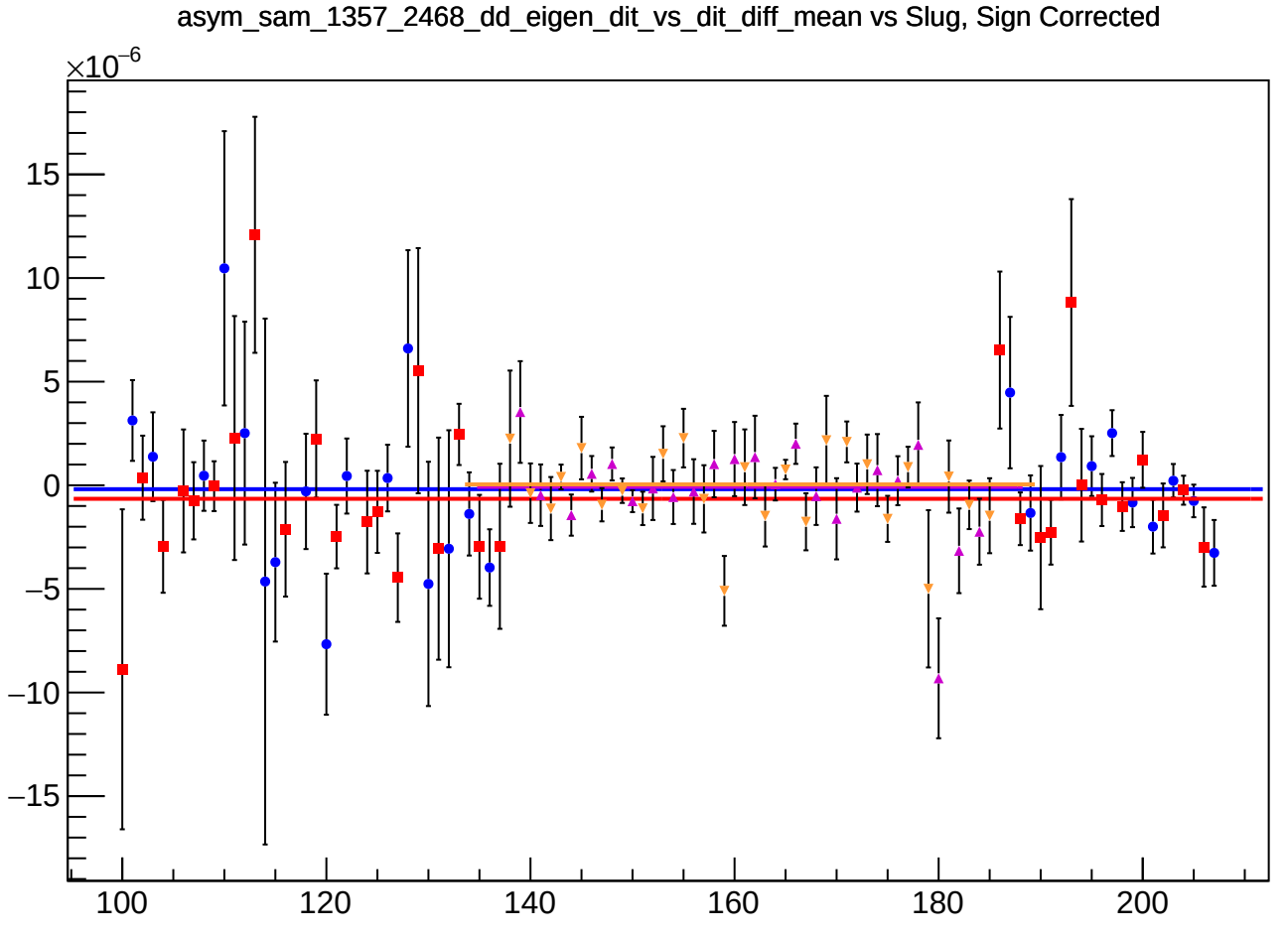
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.348+/-0.003 χ^2/NDF: 4417547.9/56

In: 17.886+/-0.002 χ^2/NDF:4514971.6/48

Out: 17.836+/-0.002 χ^2/NDF:5197425.9/55

All: 17.860+/-0.002 χ^2/NDF: 9712634.6/104



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/25

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/30

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

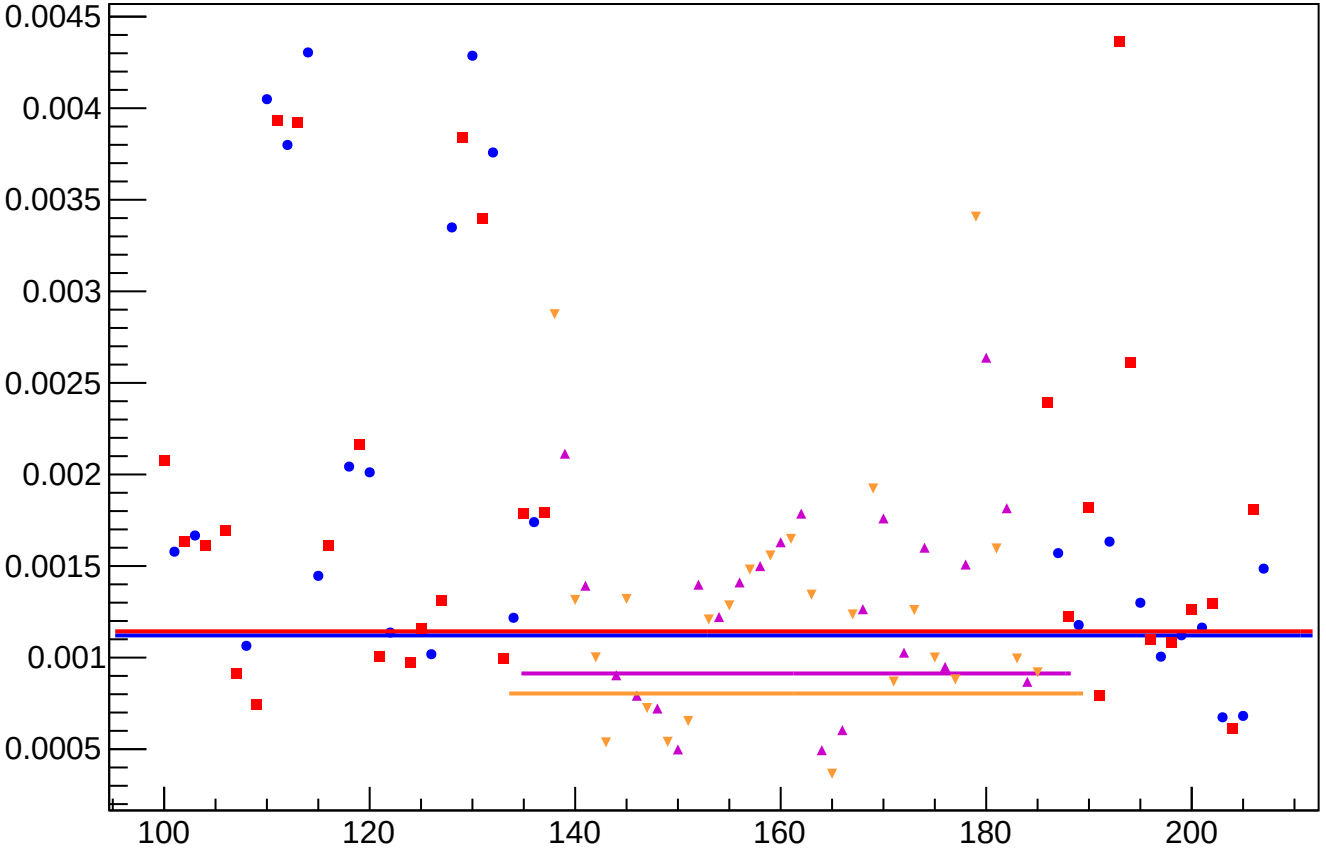
Right: -0.000+/-0.000 χ^2/NDF: 71.2/56

In: -0.000+/-0.000 χ^2/NDF:66.9/48

Out: -0.000+/-0.000 χ^2/NDF:74.8/55

All: -0.000+/-0.000 χ^2/NDF: 141.7/104

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4861929.8/25

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

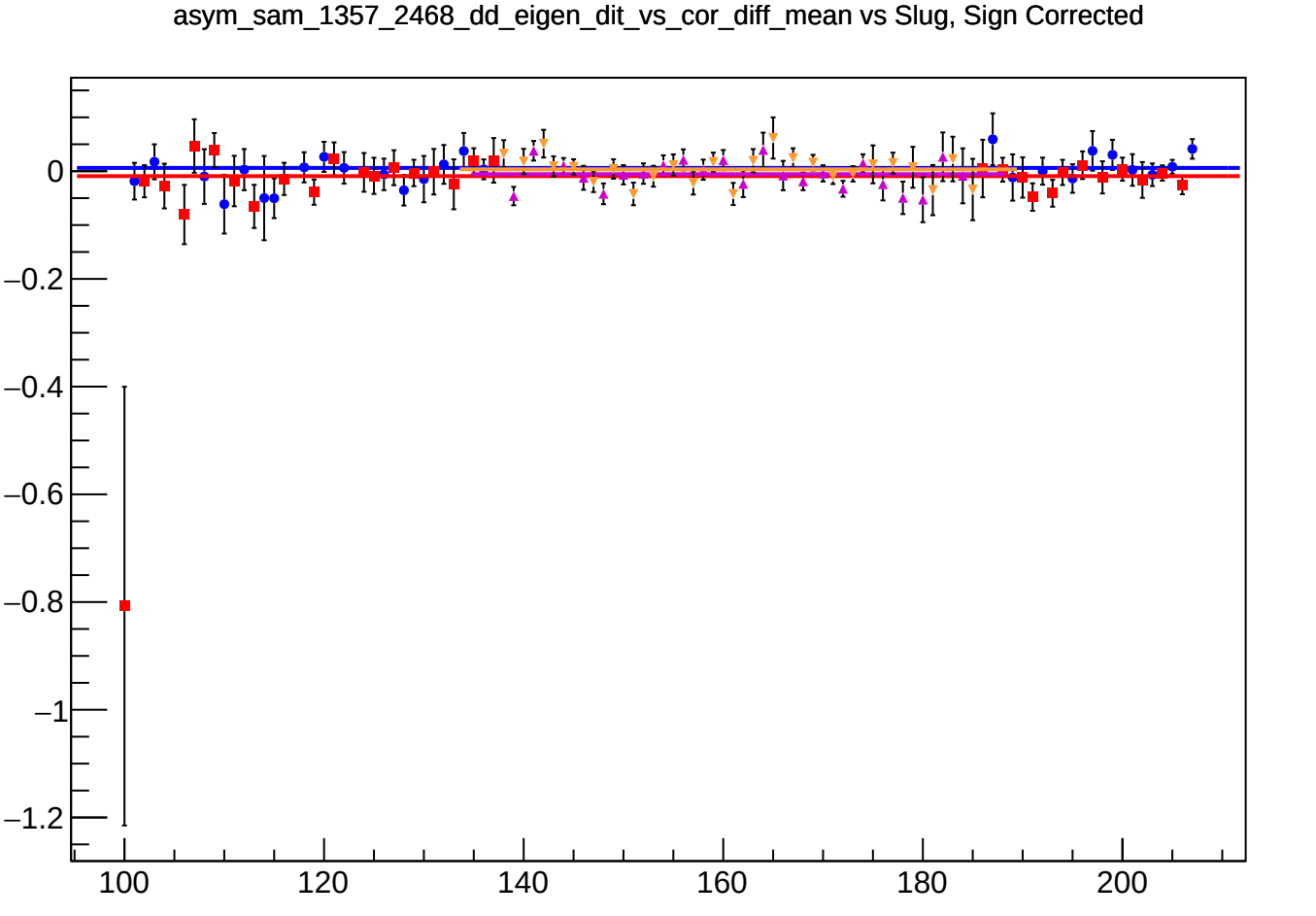
Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

Right: 0.001+/-0.000 χ^2/NDF: 10910982.3/56

In: 0.001+/-0.000 χ^2/NDF:11824328.8/48

Out: 0.001+/-0.000 χ^2/NDF:15870148.4/55

All: 0.001+/-0.000 χ^2/NDF: 27892223.9/104



Right In: 0.006+/-0.005 χ^2/NDF: 16.8/25

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

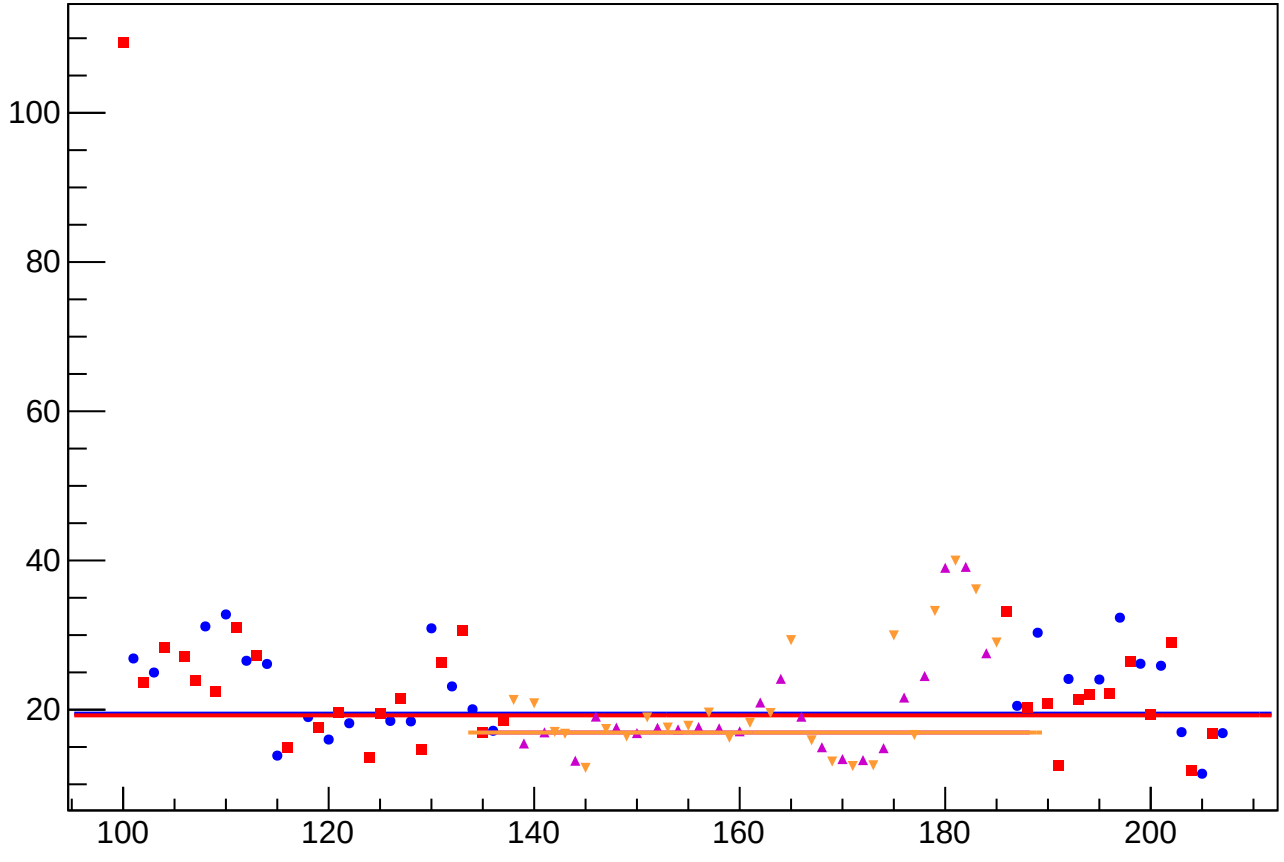
Right: -0.002+/-0.004 χ^2/NDF: 43.9/56

In: -0.001+/-0.003 χ^2/NDF:52.8/48

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.001+/-0.002 χ^2/NDF: 106.4/104

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.471+/-0.004 χ^2/NDF: 2301621.6/25

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

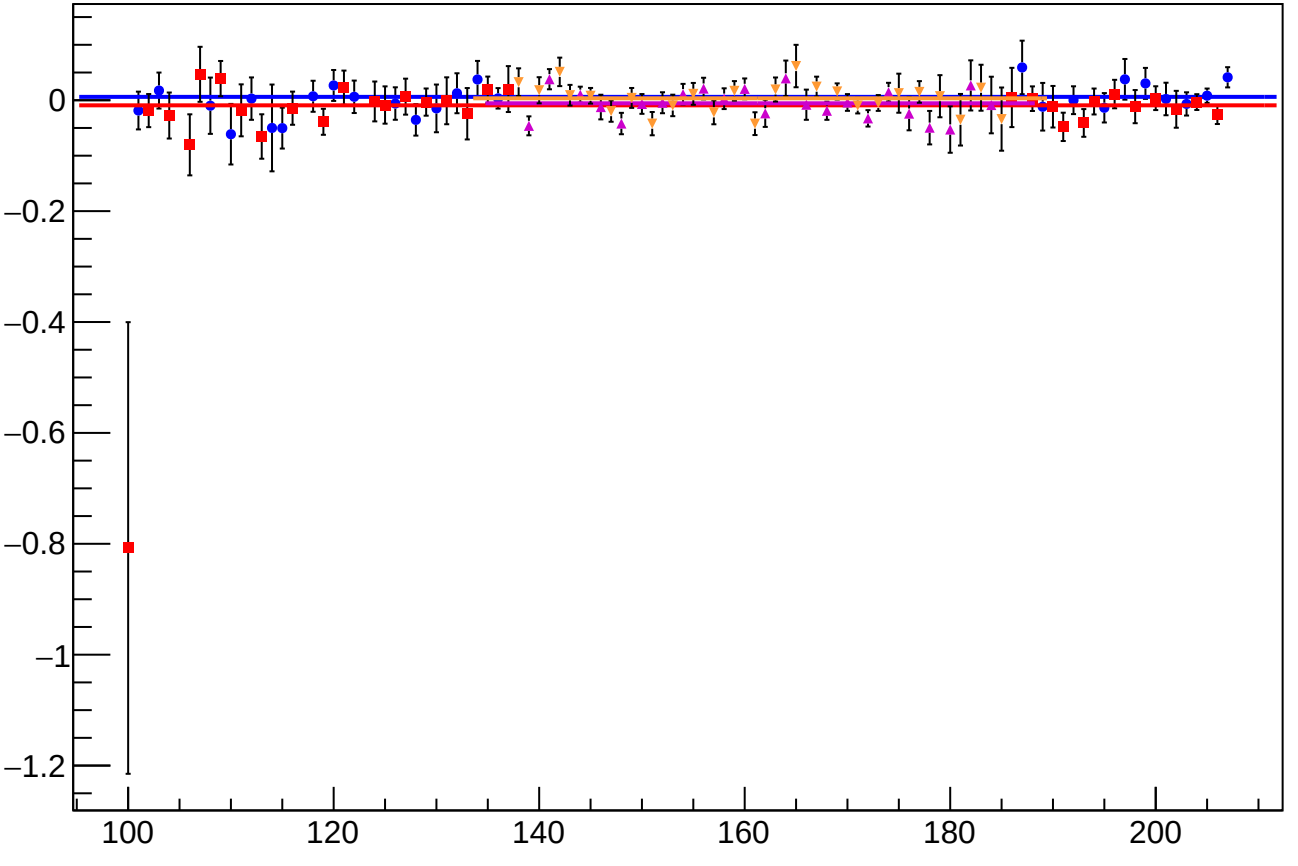
Right: 19.348+/-0.003 χ^2/NDF: 4417592.5/56

In: 17.886+/-0.002 χ^2/NDF:4514862.7/48

Out: 17.836+/-0.002 χ^2/NDF:5197376.8/55

All: 17.860+/-0.002 χ^2/NDF: 9712475.9/104

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.005 χ^2/NDF: 16.8/25

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

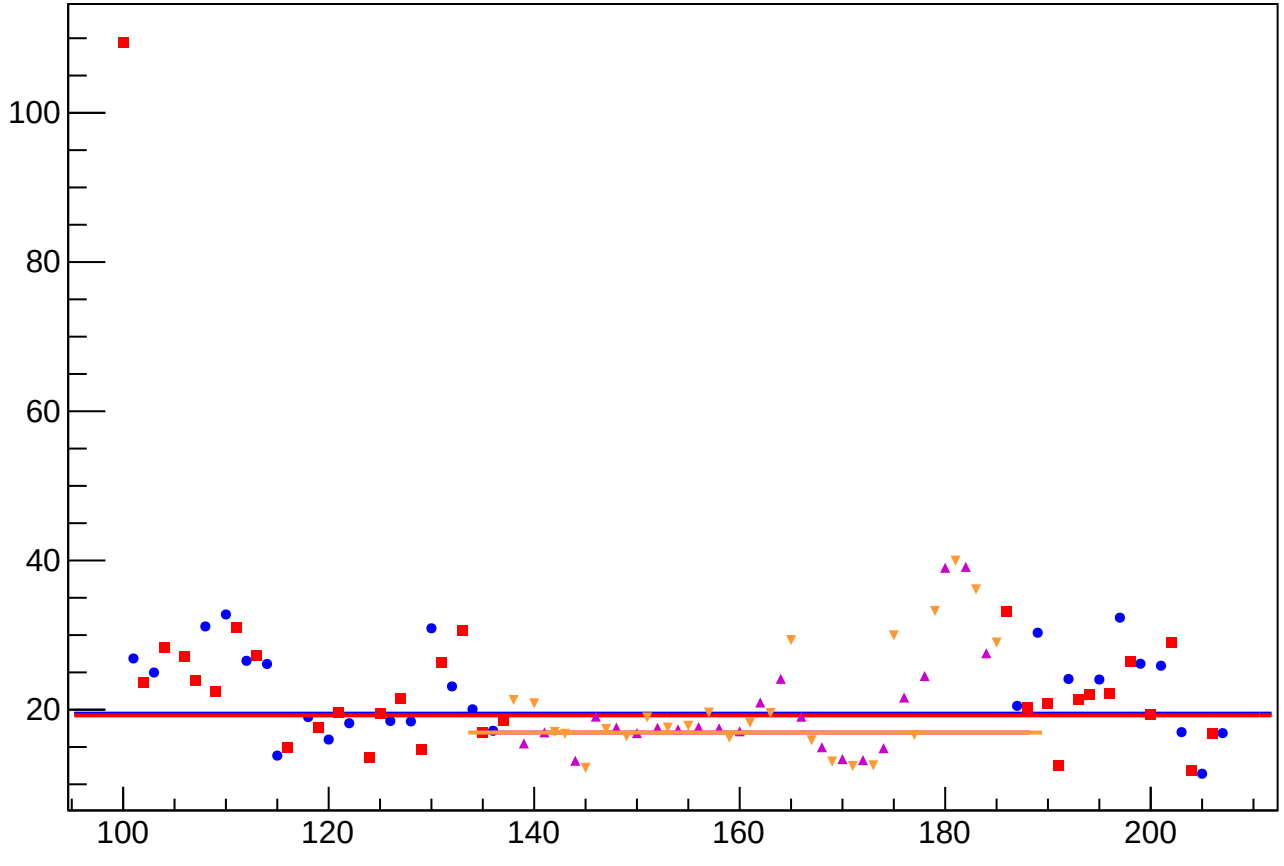
Right: -0.002+/-0.004 χ^2/NDF: 43.9/56

In: -0.001+/-0.003 χ^2/NDF:52.8/48

Out: -0.001+/-0.003 χ^2/NDF:53.6/55

All: -0.001+/-0.002 χ^2/NDF: 106.4/104

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.471+/-0.004 χ^2/NDF: 2301621.6/25

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

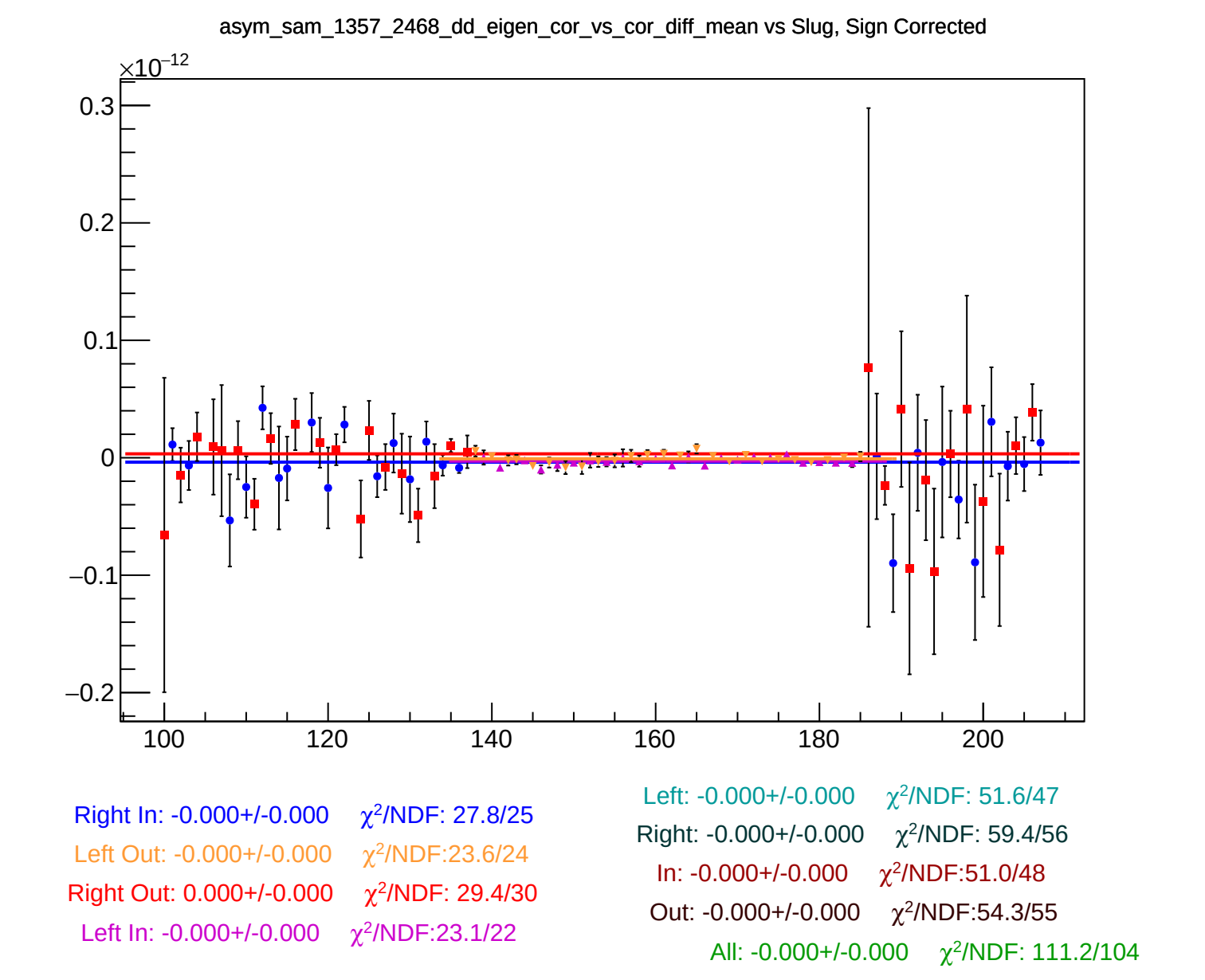
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

Right: 19.348+/-0.003 χ^2/NDF: 4417592.5/56

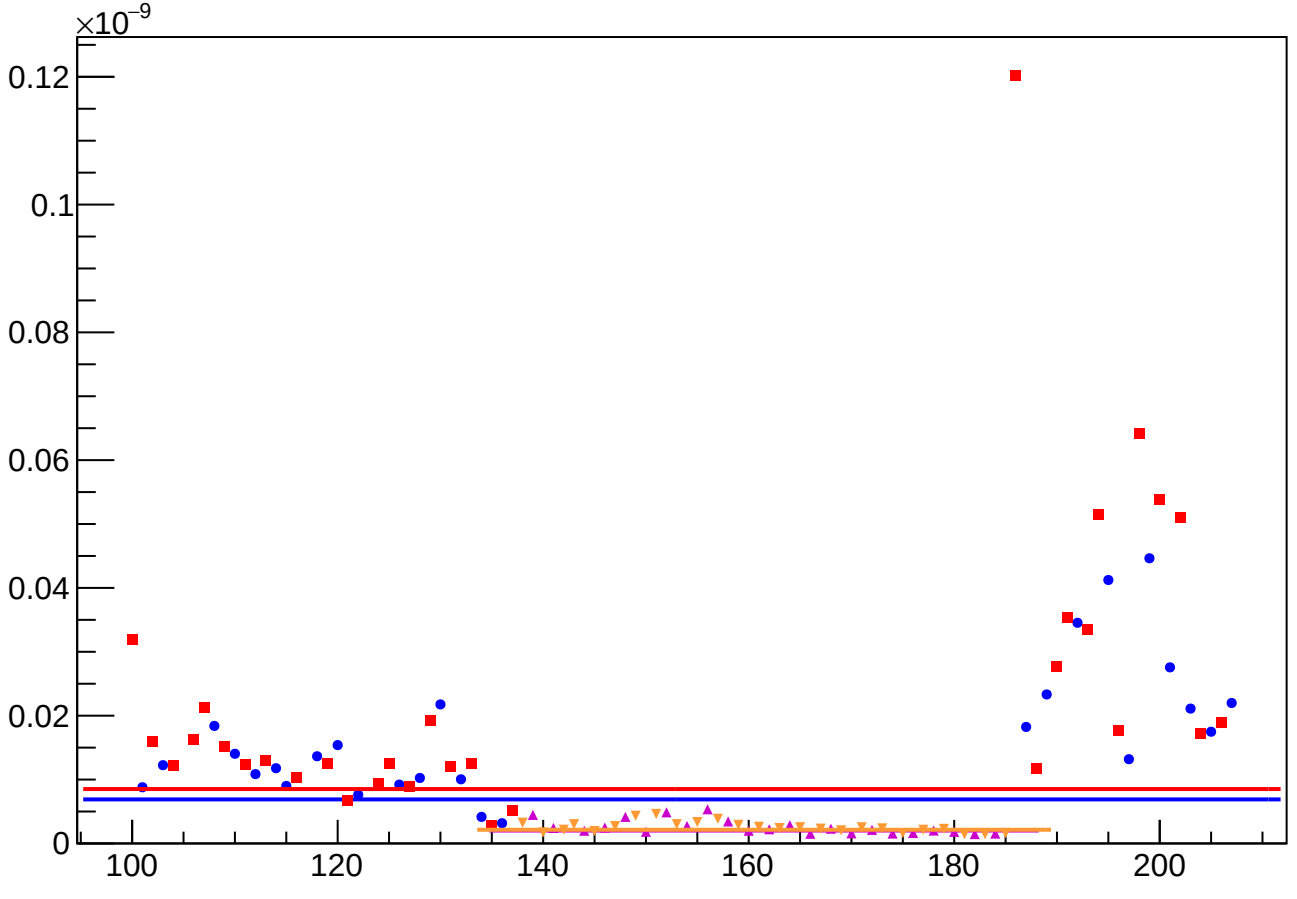
In: 17.886+/-0.002 χ^2/NDF:4514862.7/48

Out: 17.836+/-0.002 χ^2/NDF:5197376.8/55

All: 17.860+/-0.002 χ^2/NDF: 9712475.9/104


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: 27.8/25
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: 59.4/56
In: -0.000+/-0.000 χ²/NDF:51.0/48
Out: -0.000+/-0.000 χ²/NDF:54.3/55
All: -0.000+/-0.000 χ²/NDF: 111.2/104

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7199164.2/25

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

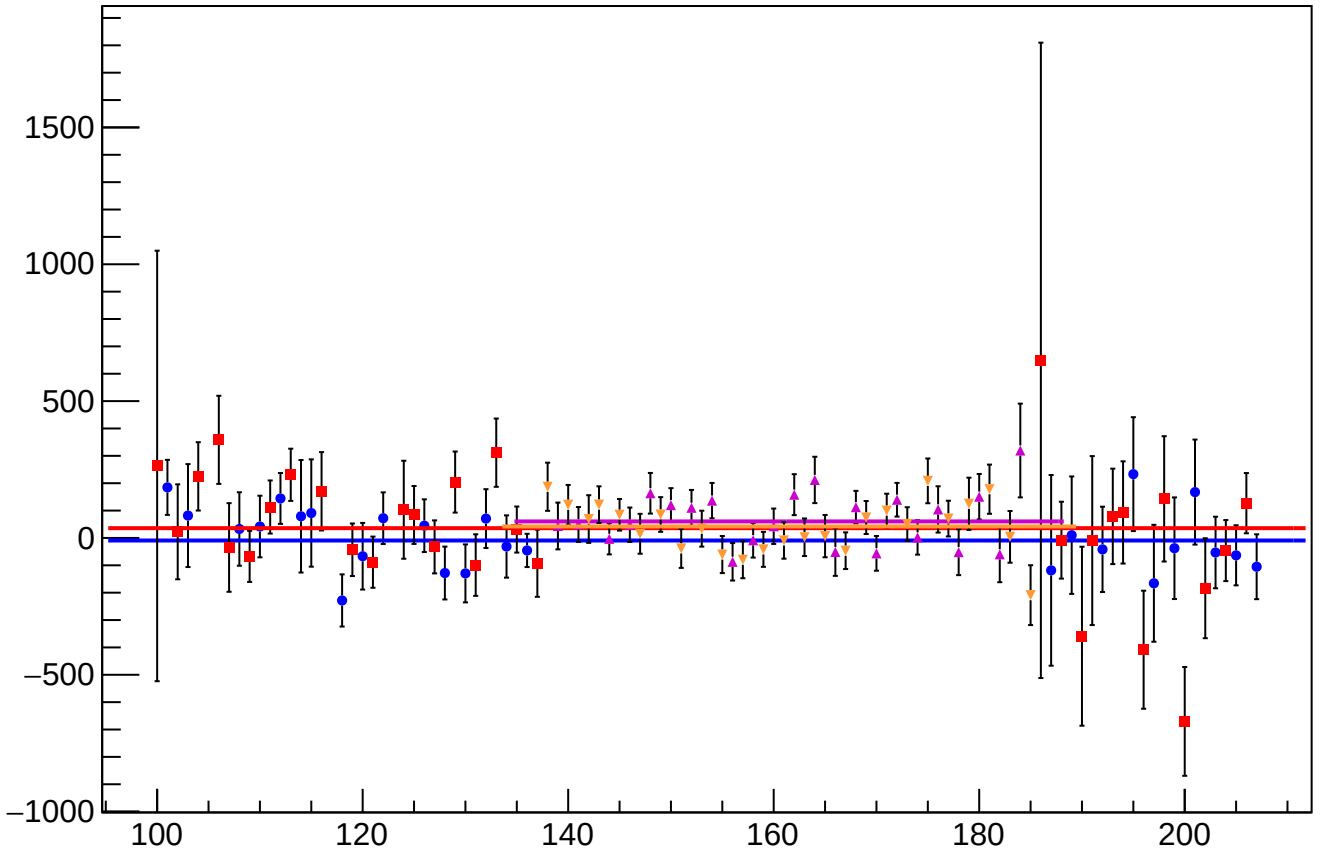
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 15894251.3/56

In: 0.000+/-0.000 χ^2/NDF:14223615.1/48

Out: 0.000+/-0.000 χ^2/NDF:16650375.7/55

All: 0.000+/-0.000 χ^2/NDF: 30913254.9/104



Right In: -9.320+/-23.310 χ^2/NDF: 21.7/25

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

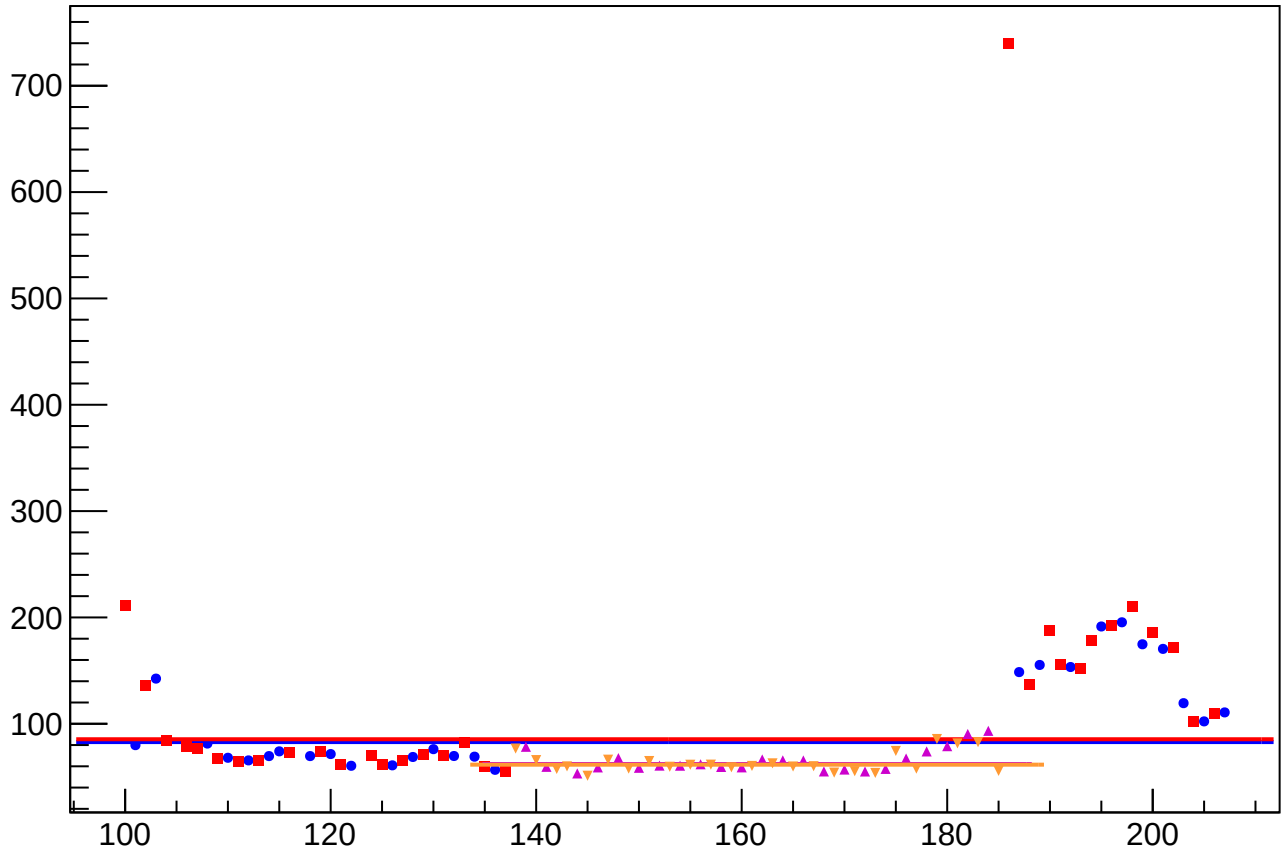
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 13.148+/-16.510 χ^2/NDF: 71.8/56

In: 40.519+/-12.442 χ^2/NDF:60.3/48

Out: 40.332+/-12.126 χ^2/NDF:80.4/55

All: 40.423+/-8.684 χ^2/NDF: 140.6/104



Right In: 82.786+/-0.016 χ^2/NDF: 4116569.1/25

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

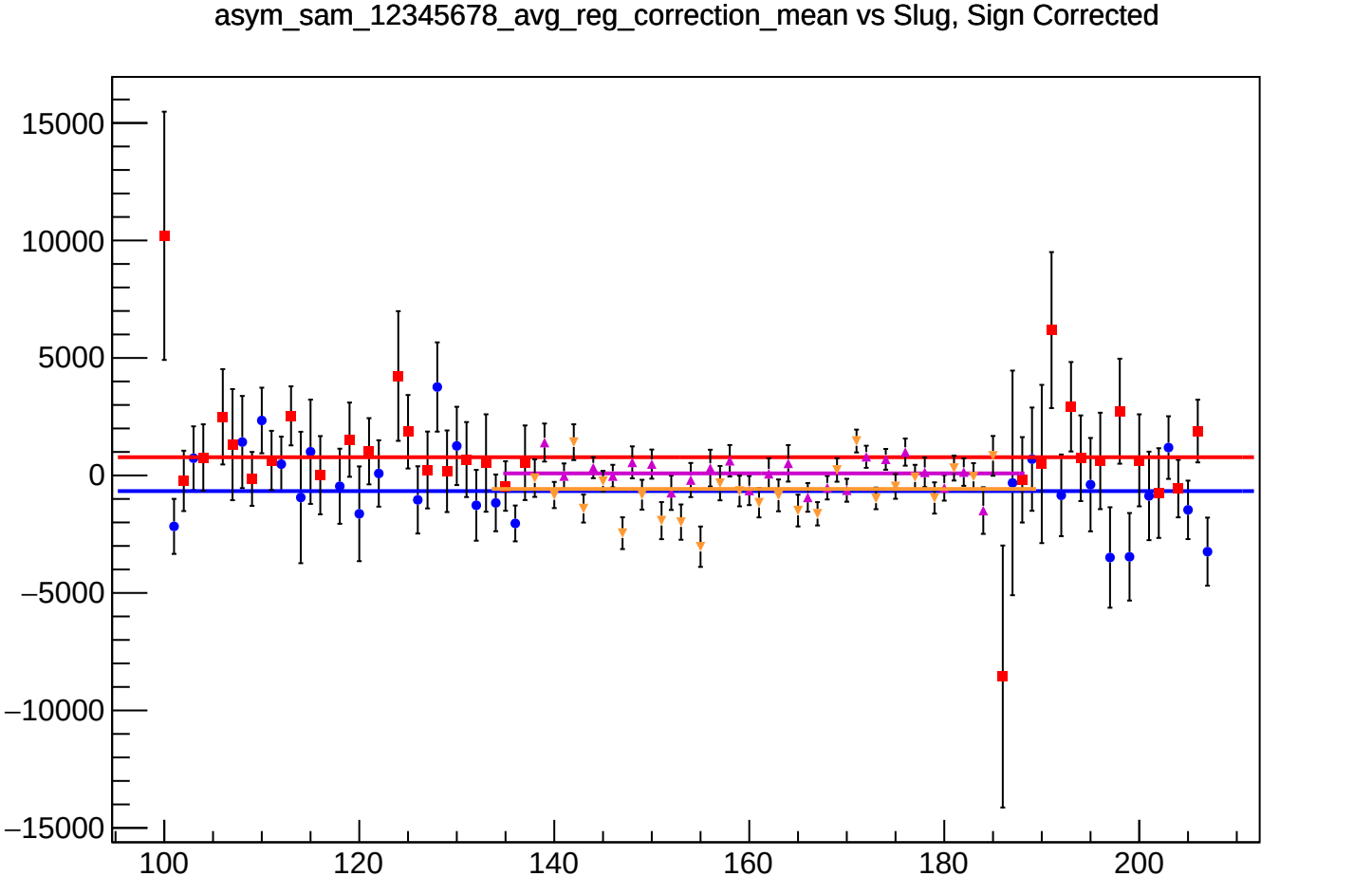
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 84.114+/-0.012 χ^2/NDF: 9532242.6/56

In: 68.025+/-0.009 χ^2/NDF:5834731.1/48

Out: 67.972+/-0.009 χ^2/NDF:7568691.2/55

All: 67.998+/-0.006 χ^2/NDF: 13403441.5/104



Right In: -665.812+/-294.564 χ^2/NDF: 30.9/25

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

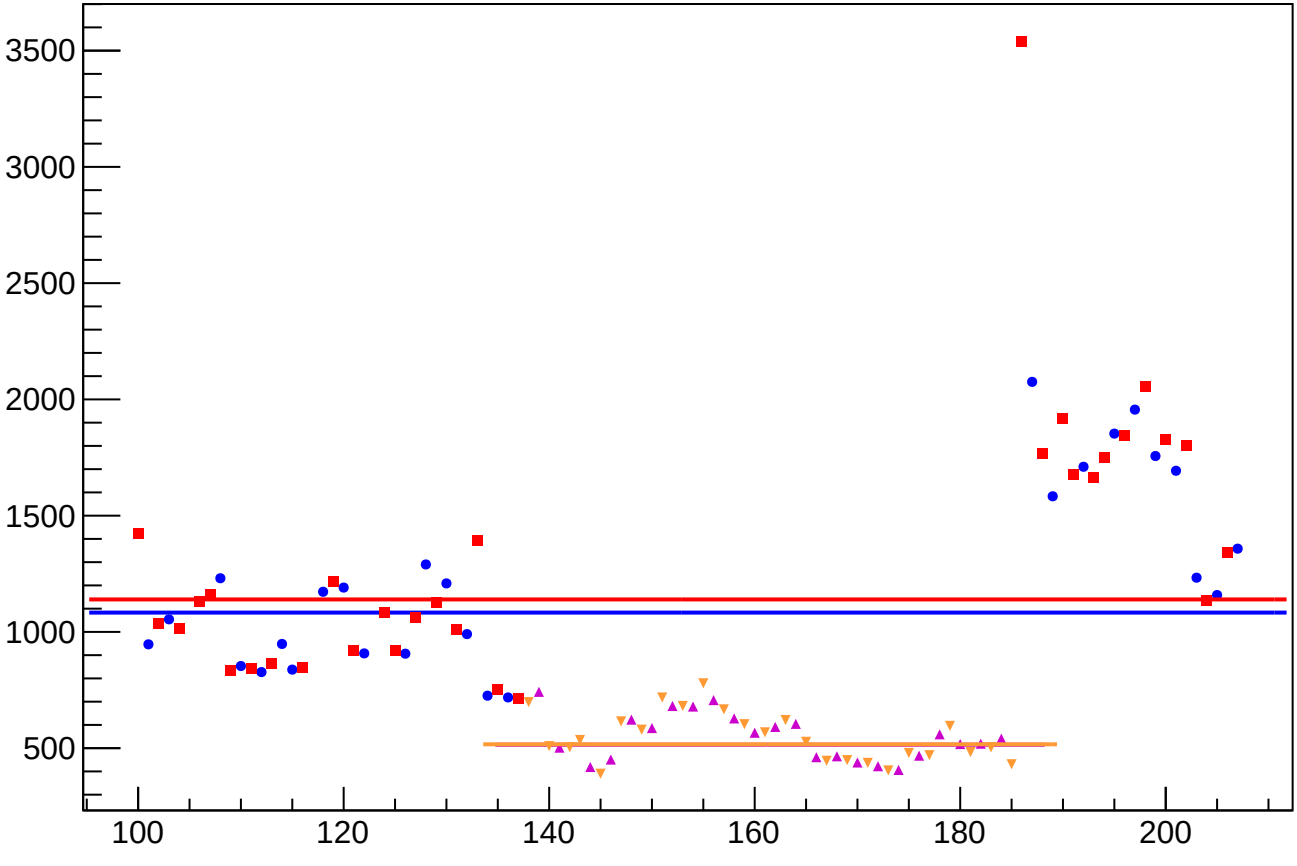
Right: 48.688+/-209.239 χ^2/NDF: 64.4/56

In: -22.850+/-113.103 χ^2/NDF:61.1/48

Out: -386.206+/-111.065 χ^2/NDF:108.2/55

All: -207.831+/-79.246 χ^2/NDF: 174.6/104

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1083.104+/-0.208 χ^2/NDF: 2627710.0/25

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

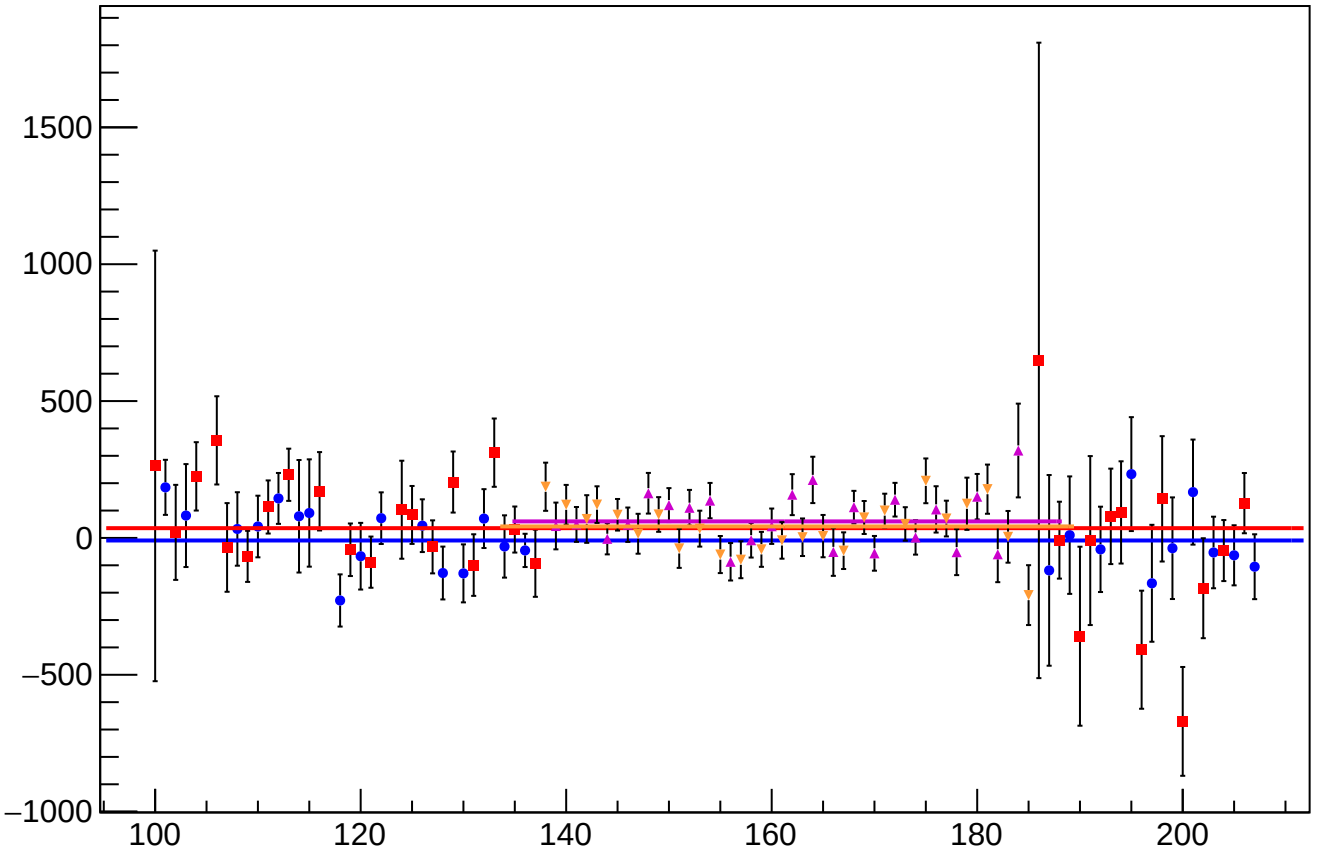
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1111.149+/-0.148 χ^2/NDF: 5920347.1/56

In: 598.569+/-0.080 χ^2/NDF:10095462.0/48

Out: 603.609+/-0.079 χ^2/NDF:12080999.1/55

All: 601.135+/-0.056 χ^2/NDF: 22178483.0/10



Right In: -9.327+/-23.310 χ^2/NDF: 21.7/25

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

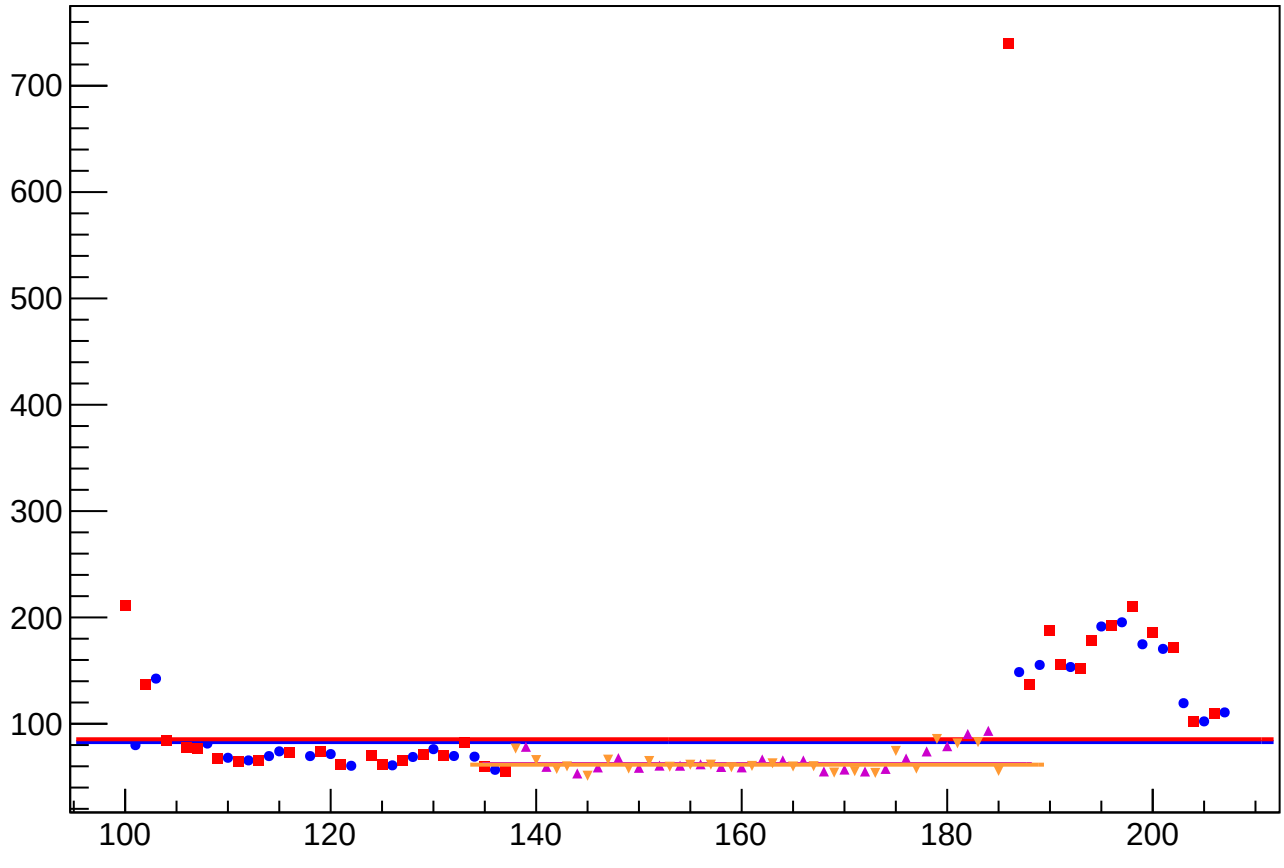
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 13.096+/-16.510 χ^2/NDF: 71.7/56

In: 40.517+/-12.442 χ^2/NDF:60.3/48

Out: 40.310+/-12.126 χ^2/NDF:80.3/55

All: 40.411+/-8.684 χ^2/NDF: 140.6/104



Right In: 82.786+/-0.016 χ^2/NDF: 4116572.1/25

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

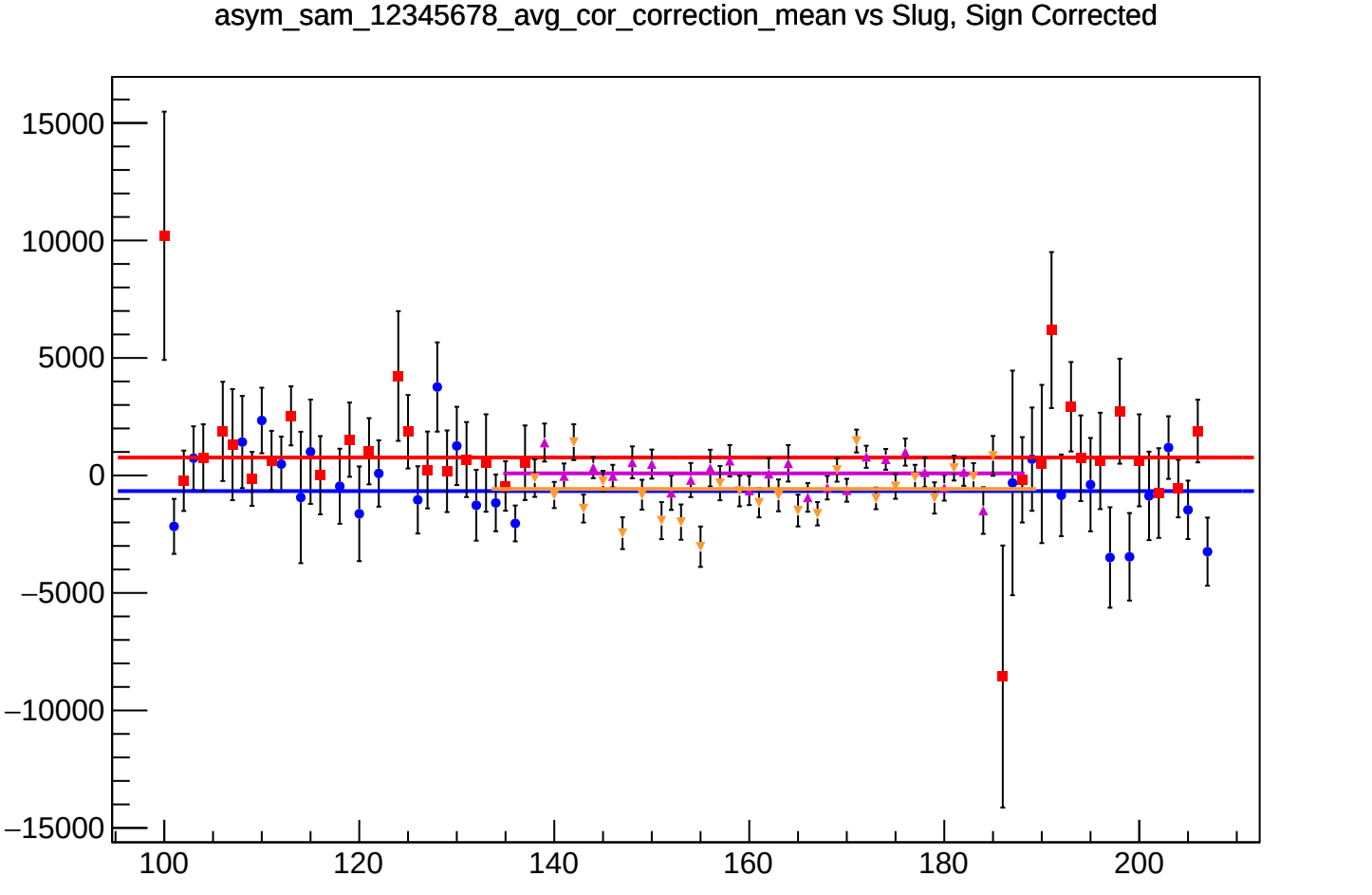
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 84.107+/-0.012 χ^2/NDF: 9533186.5/56

In: 68.025+/-0.009 χ^2/NDF:5834734.2/48

Out: 67.967+/-0.009 χ^2/NDF:7567894.1/55

All: 67.996+/-0.006 χ^2/NDF: 13402650.5/104



Right In: -665.792+/-294.565 χ^2/NDF: 30.9/25

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

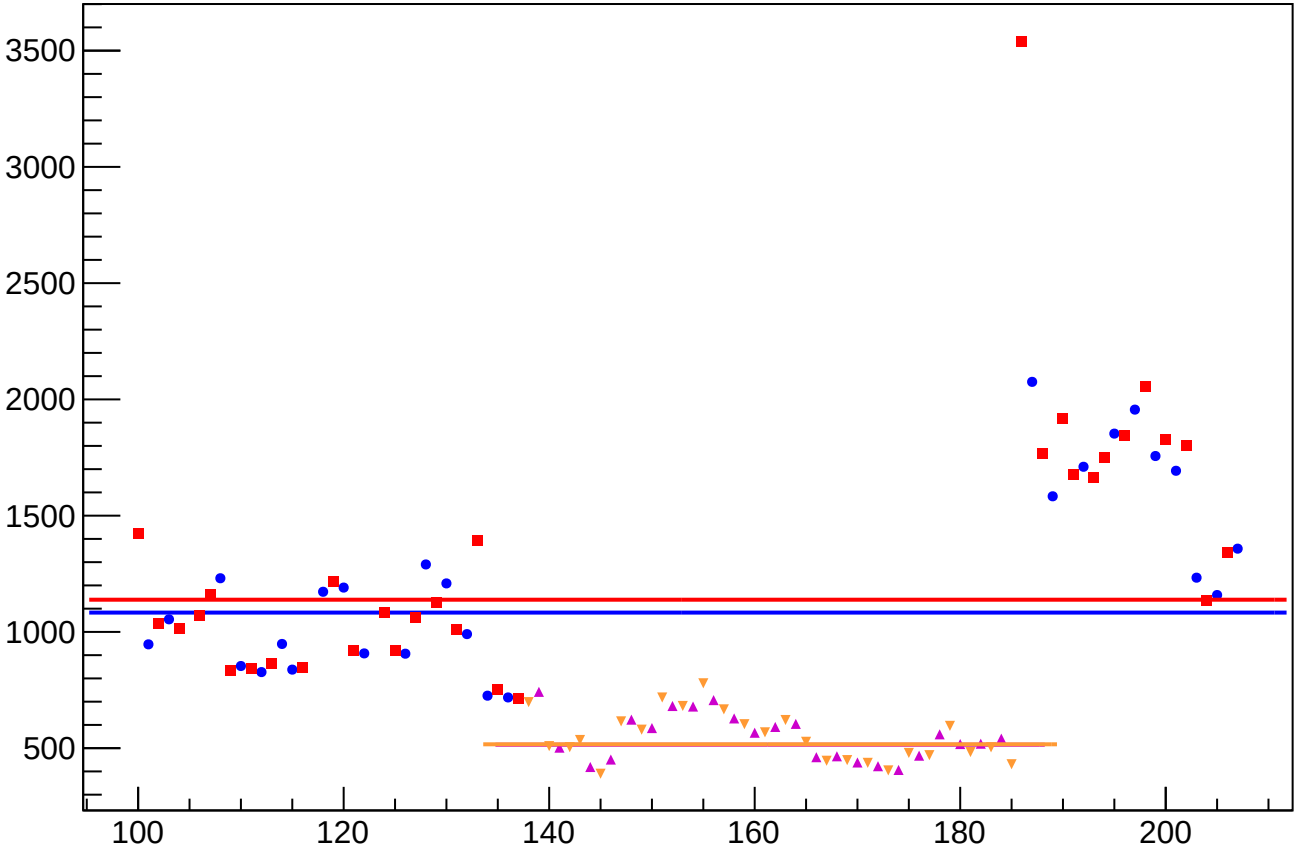
Right: 40.734+/-209.330 χ^2/NDF: 63.7/56

In: -22.847+/-113.103 χ^2/NDF:61.1/48

Out: -388.550+/-111.079 χ^2/NDF:107.3/55

All: -209.000+/-79.251 χ^2/NDF: 173.8/104

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1083.108+/-0.208 χ^2/NDF: 2627708.9/25

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

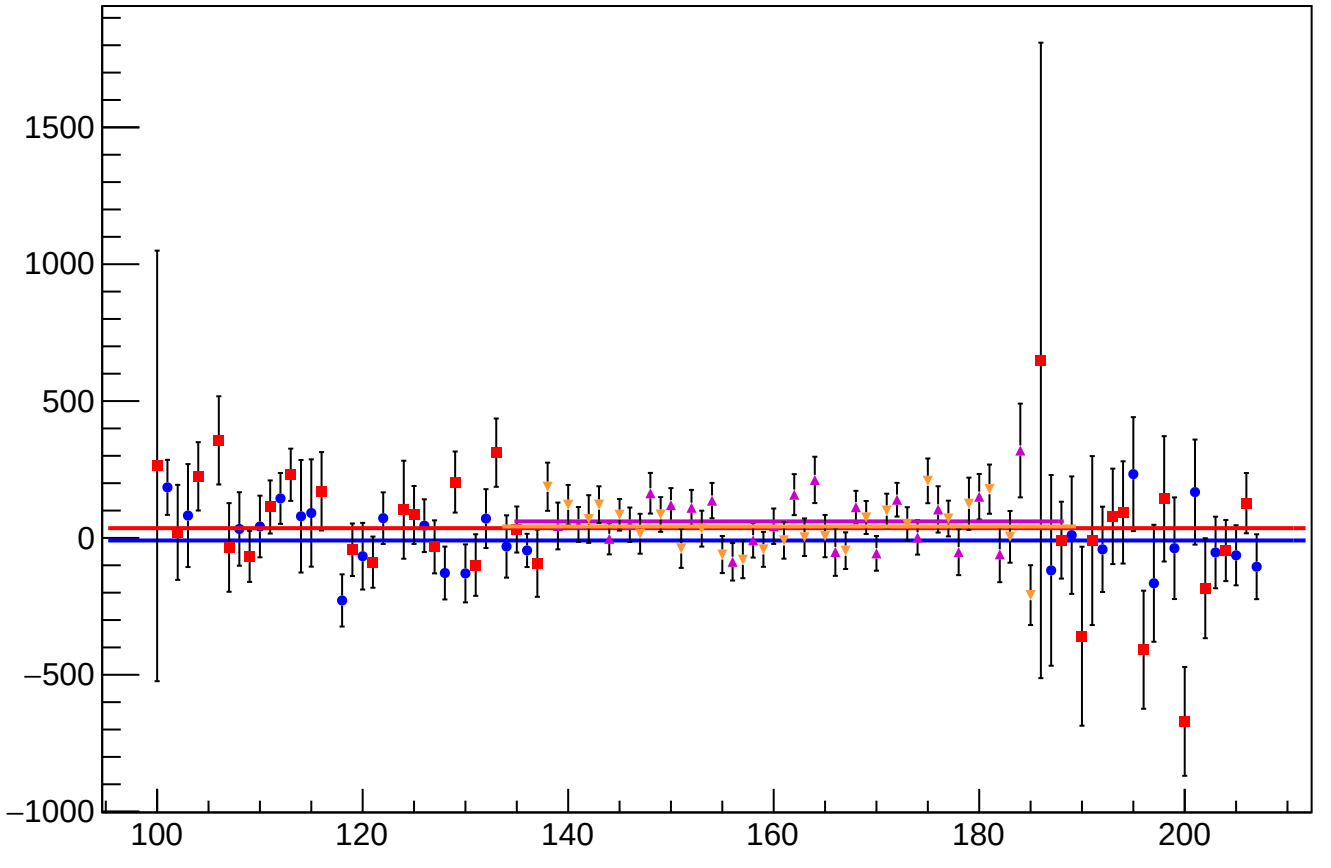
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1110.541+/-0.148 χ^2/NDF: 5920741.9/56

In: 598.569+/-0.080 χ^2/NDF:10095504.0/48

Out: 603.313+/-0.079 χ^2/NDF:12042948.2/55

All: 600.984+/-0.056 χ^2/NDF: 22140243.2/10



Right In: -9.327+/-23.310 χ^2/NDF: 21.7/25

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

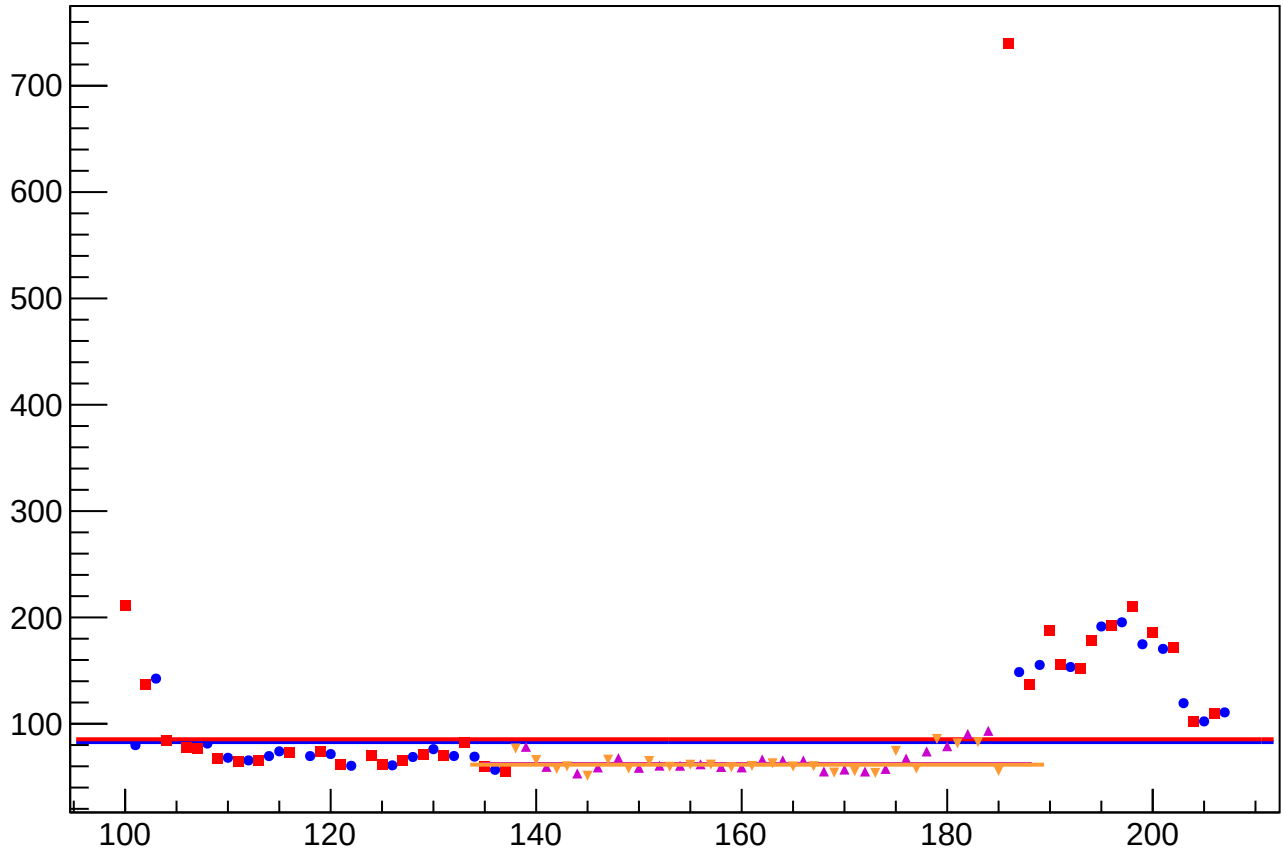
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 13.096+/-16.510 χ^2/NDF: 71.7/56

In: 40.517+/-12.442 χ^2/NDF:60.3/48

Out: 40.310+/-12.126 χ^2/NDF:80.3/55

All: 40.411+/-8.684 χ^2/NDF: 140.6/104



Right In: 82.786+/-0.016 χ^2/NDF: 4116572.1/25

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

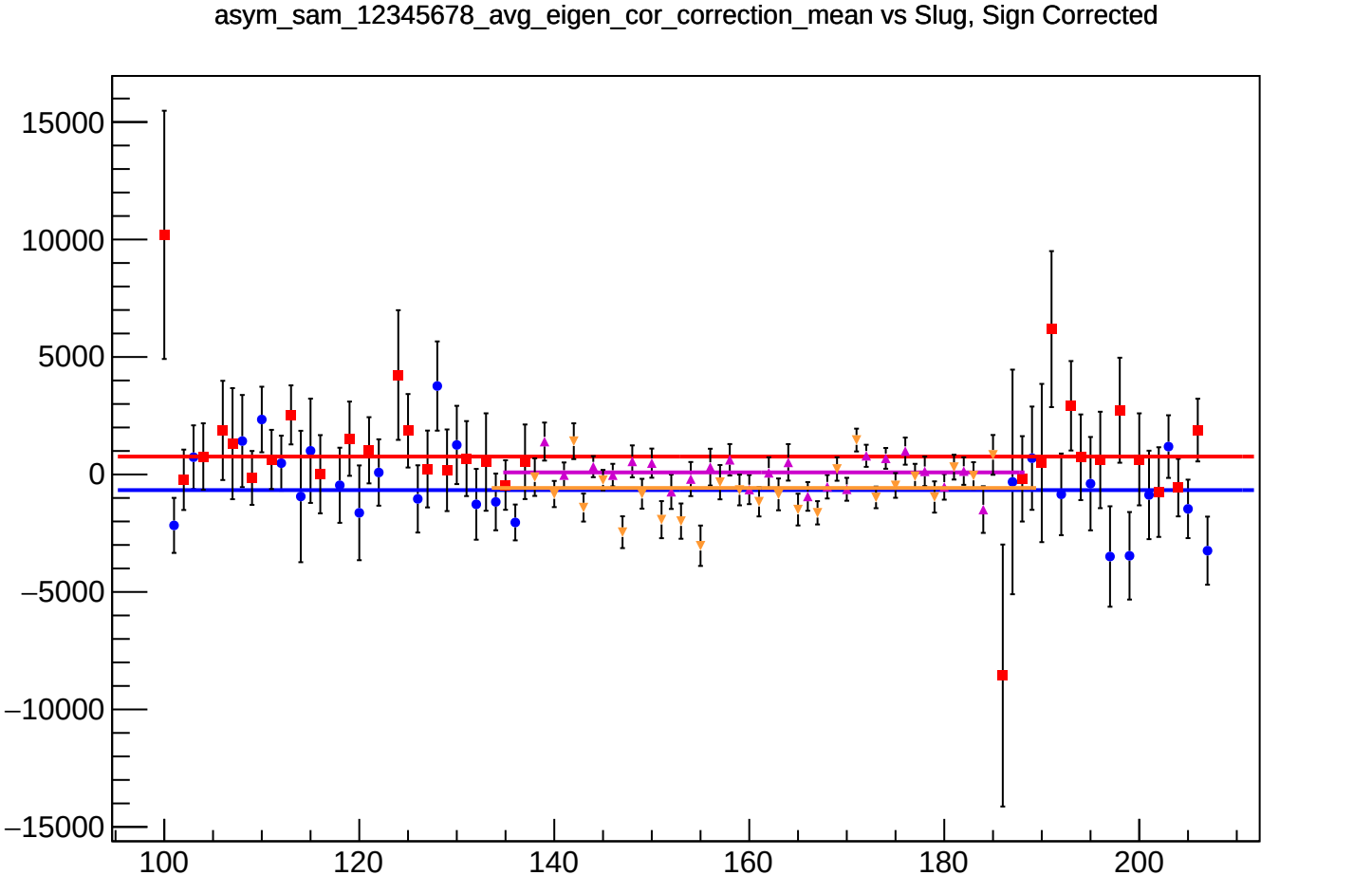
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 84.107+/-0.012 χ^2/NDF: 9533186.5/56

In: 68.025+/-0.009 χ^2/NDF:5834734.2/48

Out: 67.967+/-0.009 χ^2/NDF:7567894.1/55

All: 67.996+/-0.006 χ^2/NDF: 13402650.5/104



Right In: -665.792+/-294.565 χ^2/NDF: 30.9/25

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

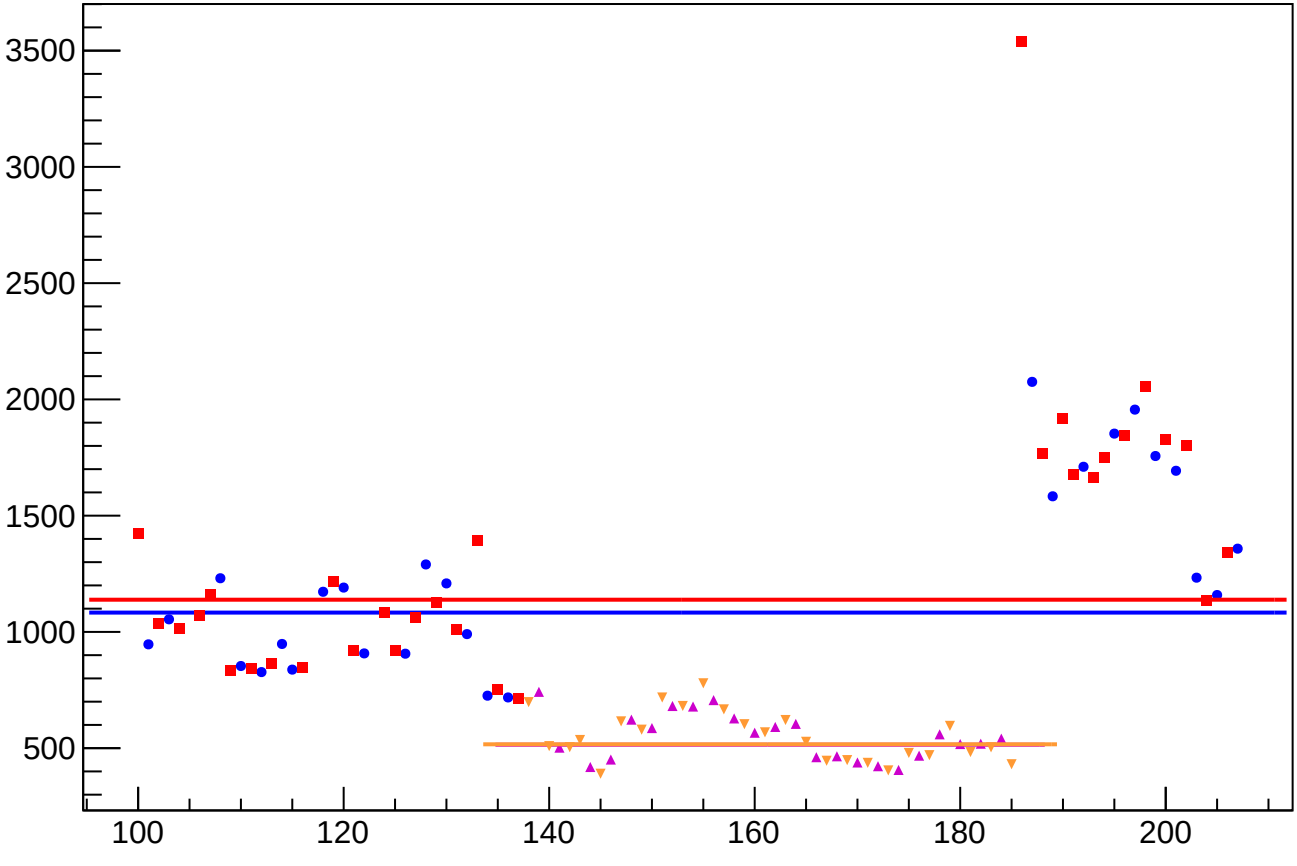
Right: 40.734+/-209.330 χ^2/NDF: 63.7/56

In: -22.847+/-113.103 χ^2/NDF:61.1/48

Out: -388.550+/-111.079 χ^2/NDF:107.3/55

All: -209.000+/-79.251 χ^2/NDF: 173.8/104

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1083.108+/-0.208 χ^2/NDF: 2627708.9/25

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

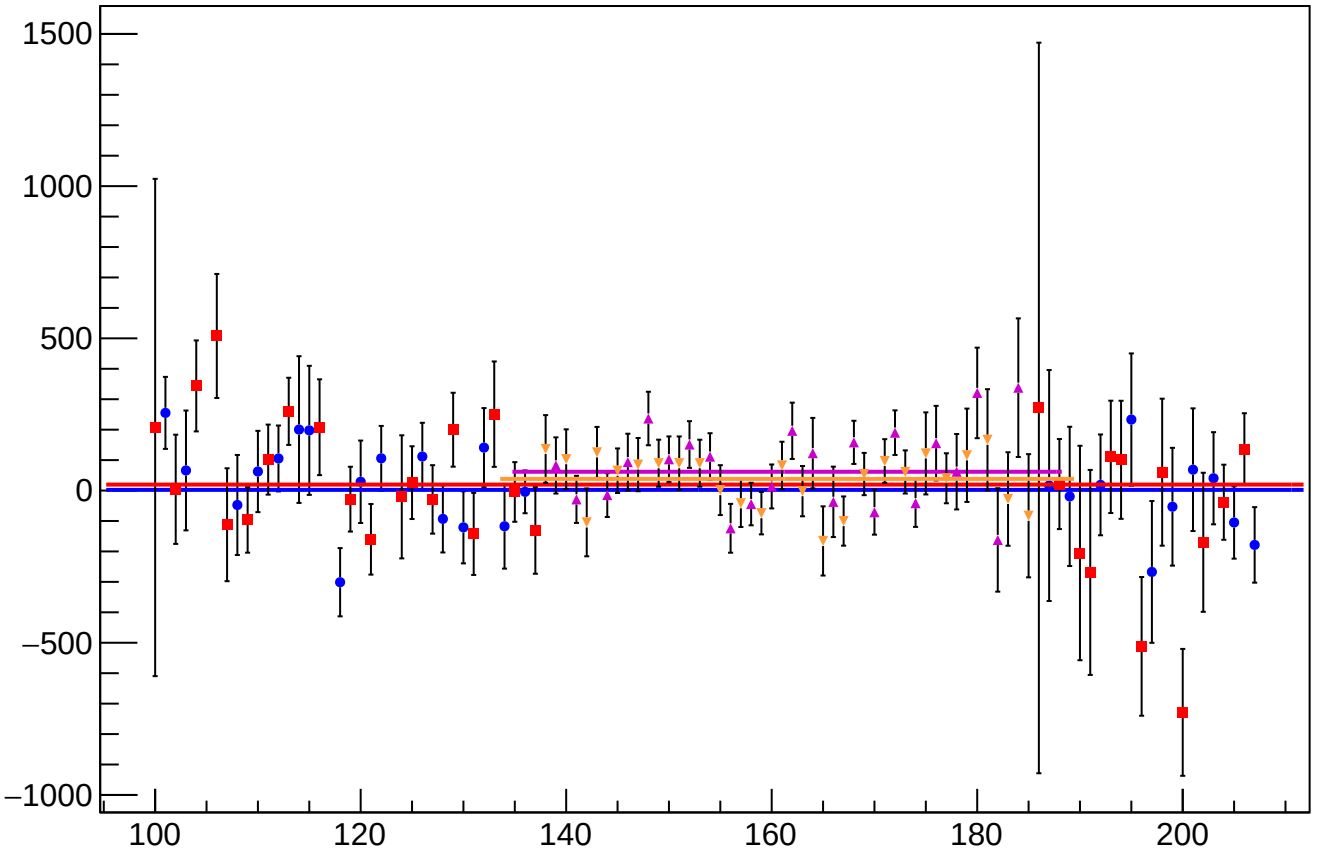
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1110.541+/-0.148 χ^2/NDF: 5920741.9/56

In: 598.569+/-0.080 χ^2/NDF:10095504.0/48

Out: 603.313+/-0.079 χ^2/NDF:12042948.2/55

All: 600.984+/-0.056 χ^2/NDF: 22140243.2/10



Right In: 2.235+/-26.548 χ^2/NDF: 26.1/25

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

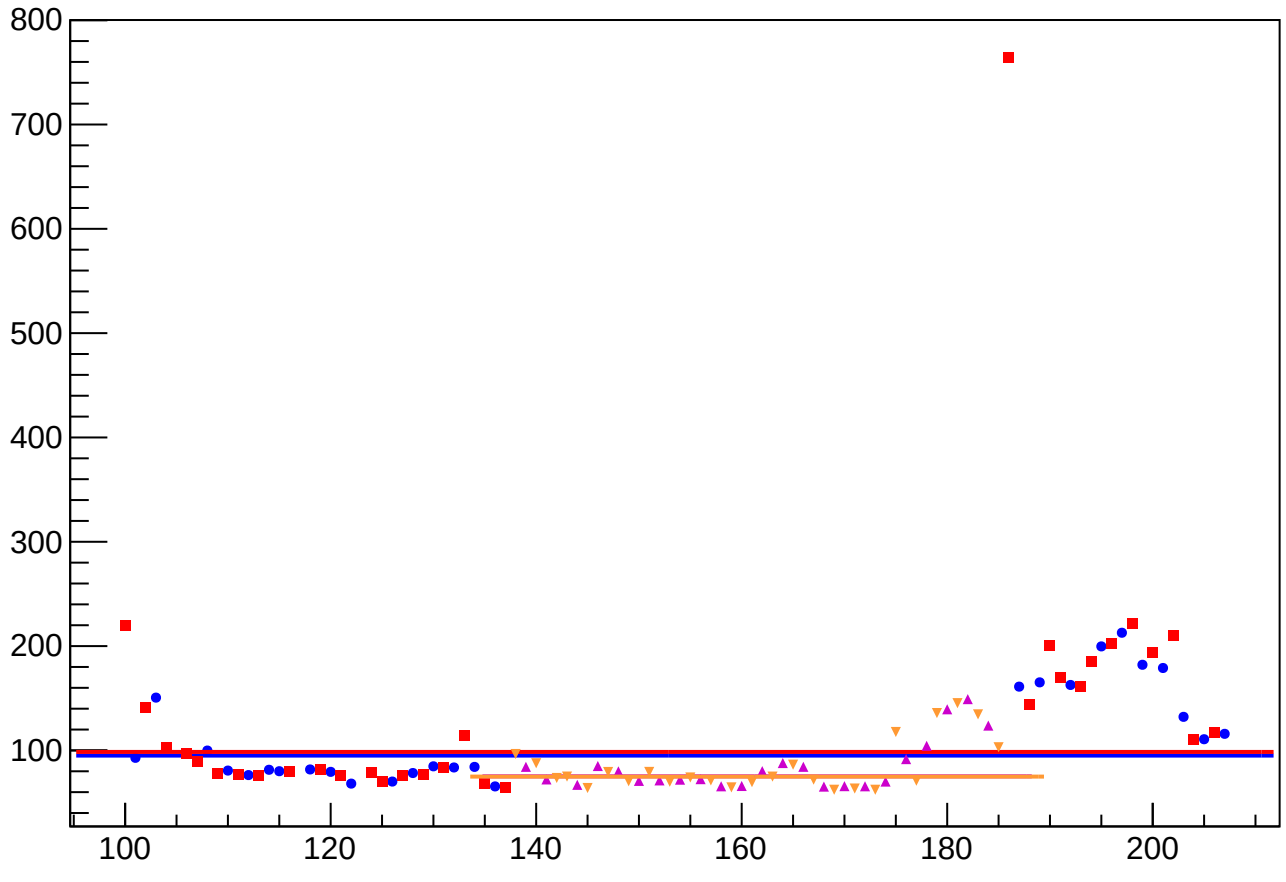
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 10.833+/-18.846 χ^2/NDF: 76.5/56

In: 42.716+/-15.006 χ^2/NDF:66.2/48

Out: 32.600+/-14.745 χ^2/NDF:69.3/55

All: 37.569+/-10.517 χ^2/NDF: 135.8/104



Right In: 95.046+/-0.019 χ^2/NDF: 3508811.6/25

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

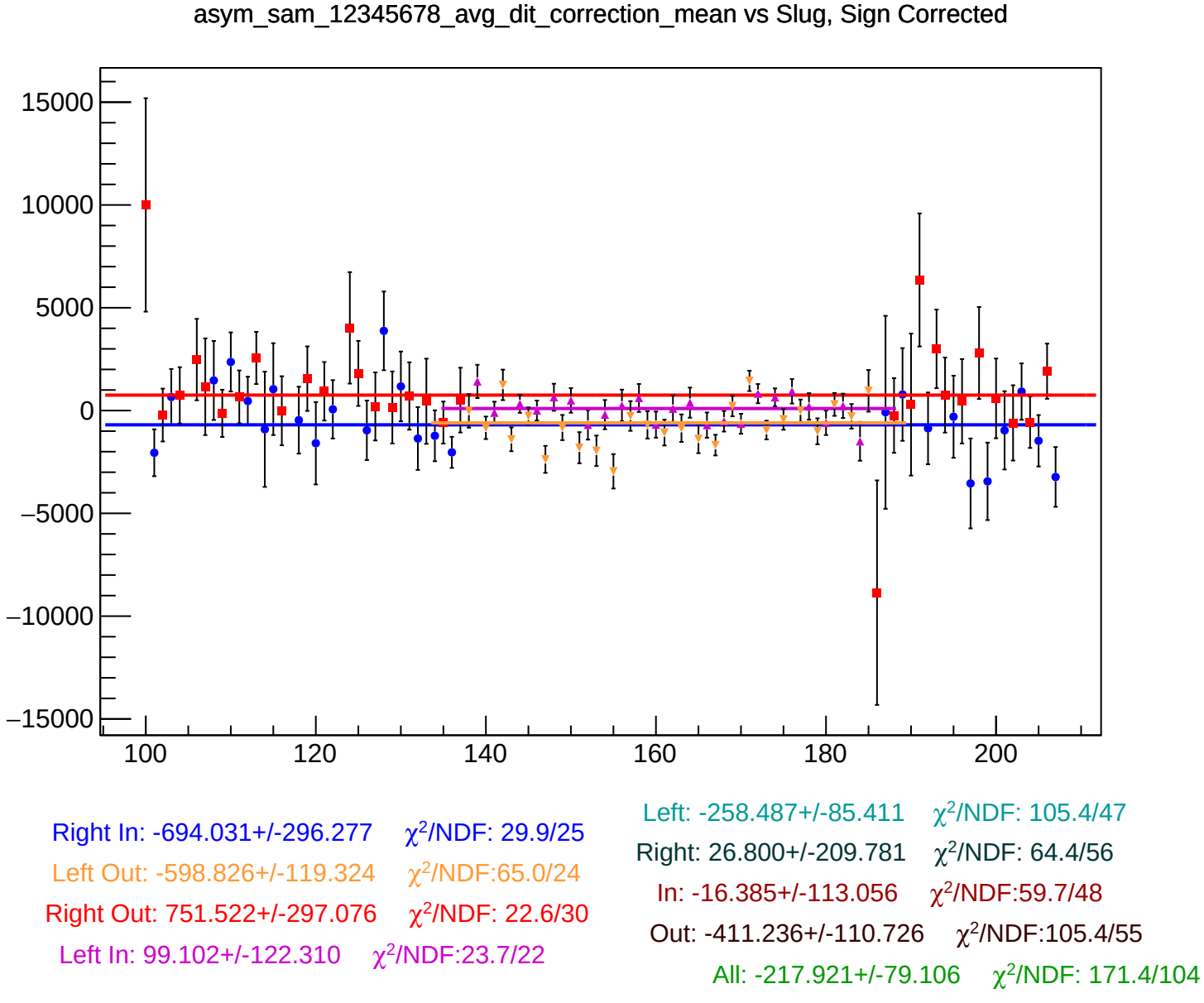
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

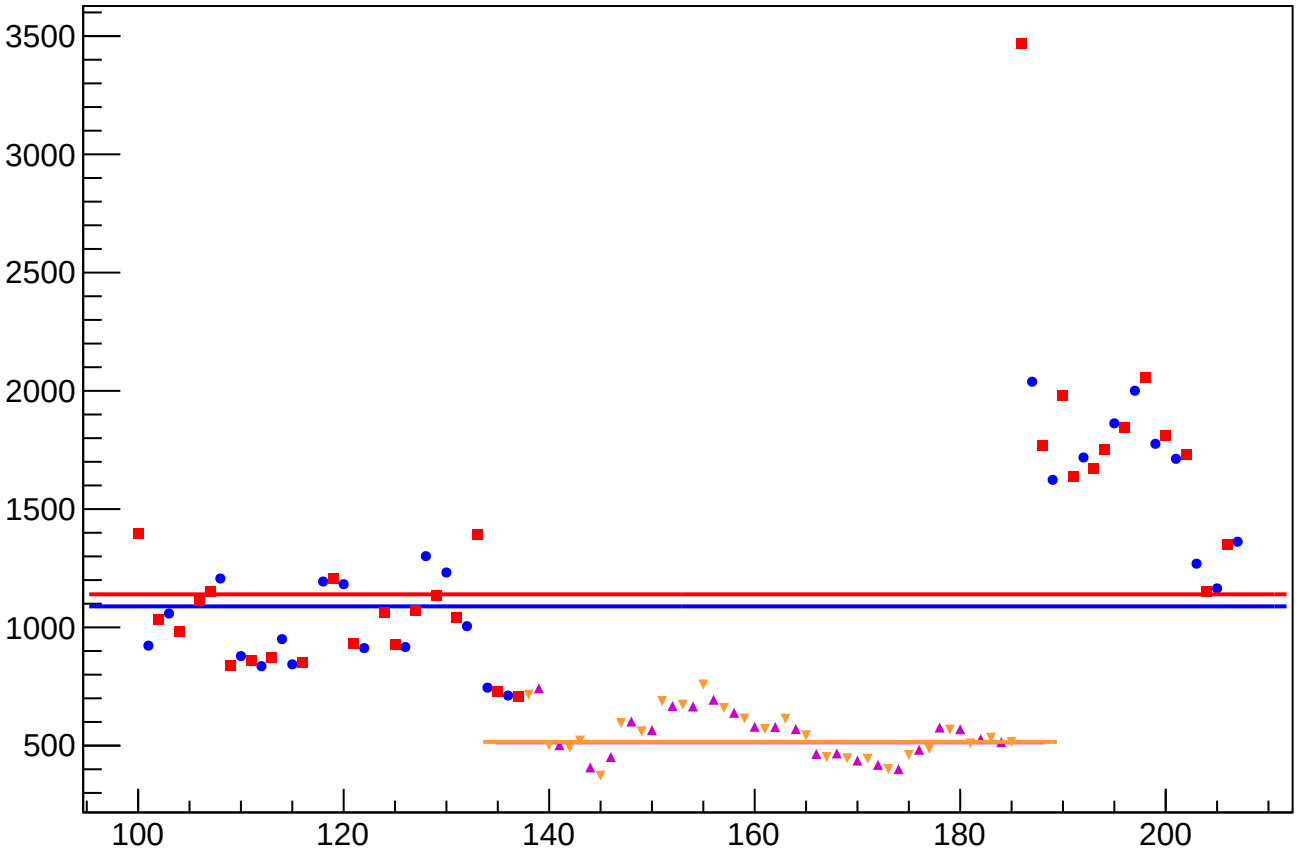
Right: 96.787+/-0.013 χ^2/NDF: 8288683.1/56

In: 81.511+/-0.011 χ^2/NDF:5585360.6/48

Out: 82.084+/-0.010 χ^2/NDF:7512146.5/55

All: 81.803+/-0.007 χ^2/NDF: 13098990.3/104


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: -694.031+/-296.277 χ²/NDF: 29.9/25
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: 26.800+/-209.781 χ²/NDF: 64.4/56
In: -16.385+/-113.056 χ²/NDF:59.7/48
Out: -411.236+/-110.726 χ²/NDF:105.4/55
All: -217.921+/-79.106 χ²/NDF: 171.4/104



Right In: 1088.764+/-0.209 χ^2/NDF: 2679784.7/25

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

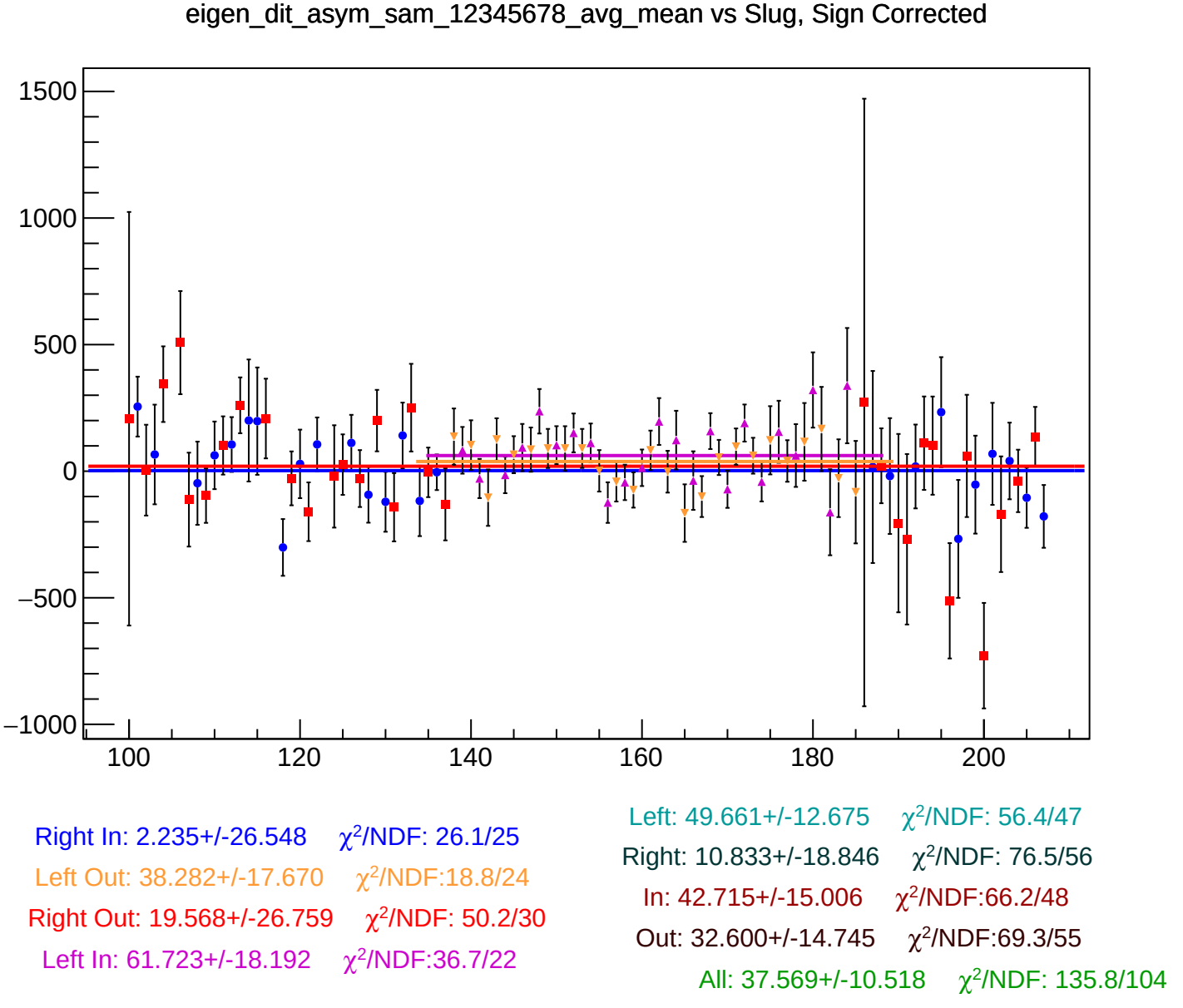
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

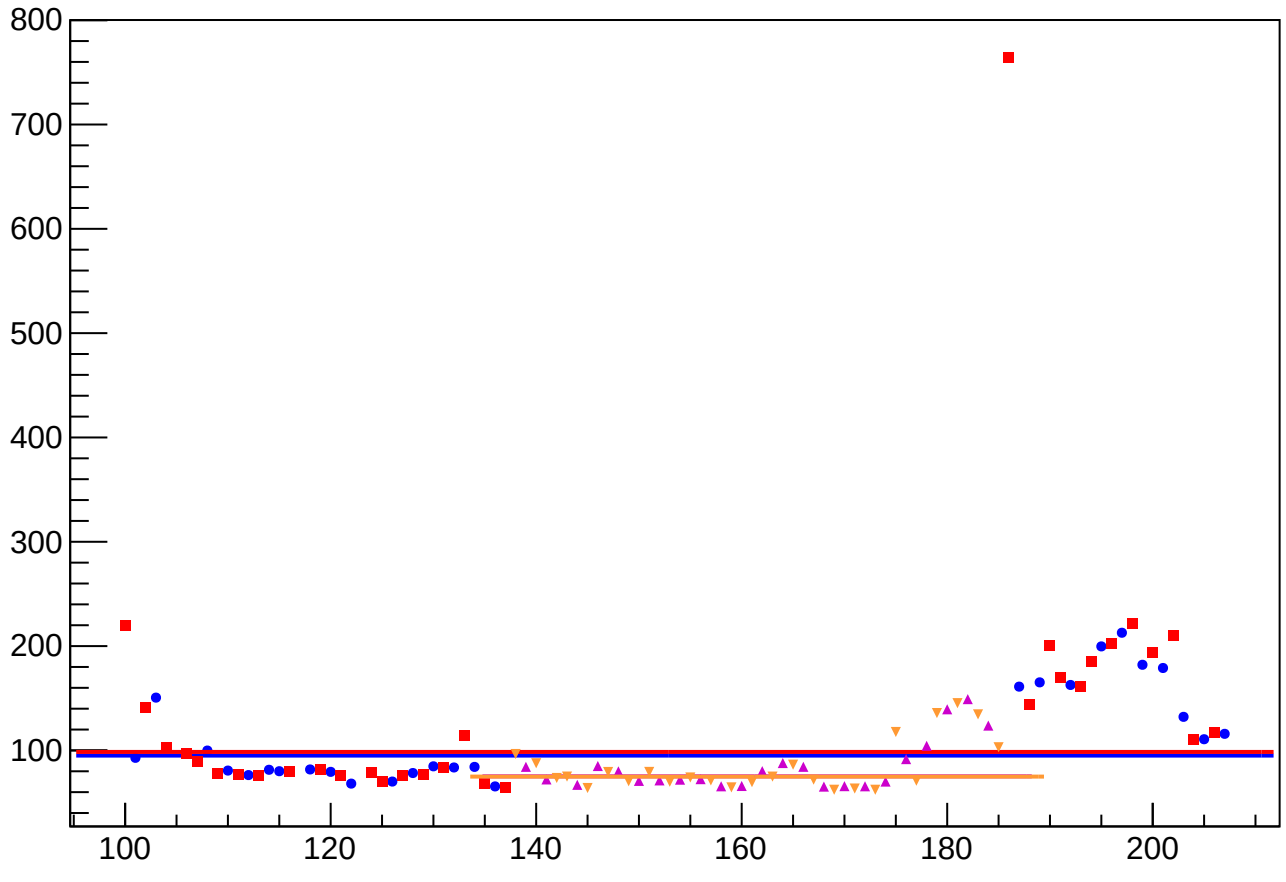
Right: 1114.130+/-0.148 χ^2/NDF: 5953000.1/56

In: 597.766+/-0.080 χ^2/NDF:10225570.7/48

Out: 602.430+/-0.078 χ^2/NDF:12071320.5/55

All: 600.146+/-0.056 χ^2/NDF: 22298628.4/10


eigen_dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 2.235+/-26.548 χ²/NDF: 26.1/25
Left Out: 38.282+/-17.670 χ²/NDF:18.8/24
Right Out: 19.568+/-26.759 χ²/NDF: 50.2/30
Left In: 61.723+/-18.192 χ²/NDF:36.7/22
Left: 49.661+/-12.675 χ²/NDF: 56.4/47
Right: 10.833+/-18.846 χ²/NDF: 76.5/56
In: 42.715+/-15.006 χ²/NDF:66.2/48
Out: 32.600+/-14.745 χ²/NDF:69.3/55
All: 37.569+/-10.518 χ²/NDF: 135.8/104



Right In: 95.046+/-0.019 χ^2/NDF: 3508822.5/25

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

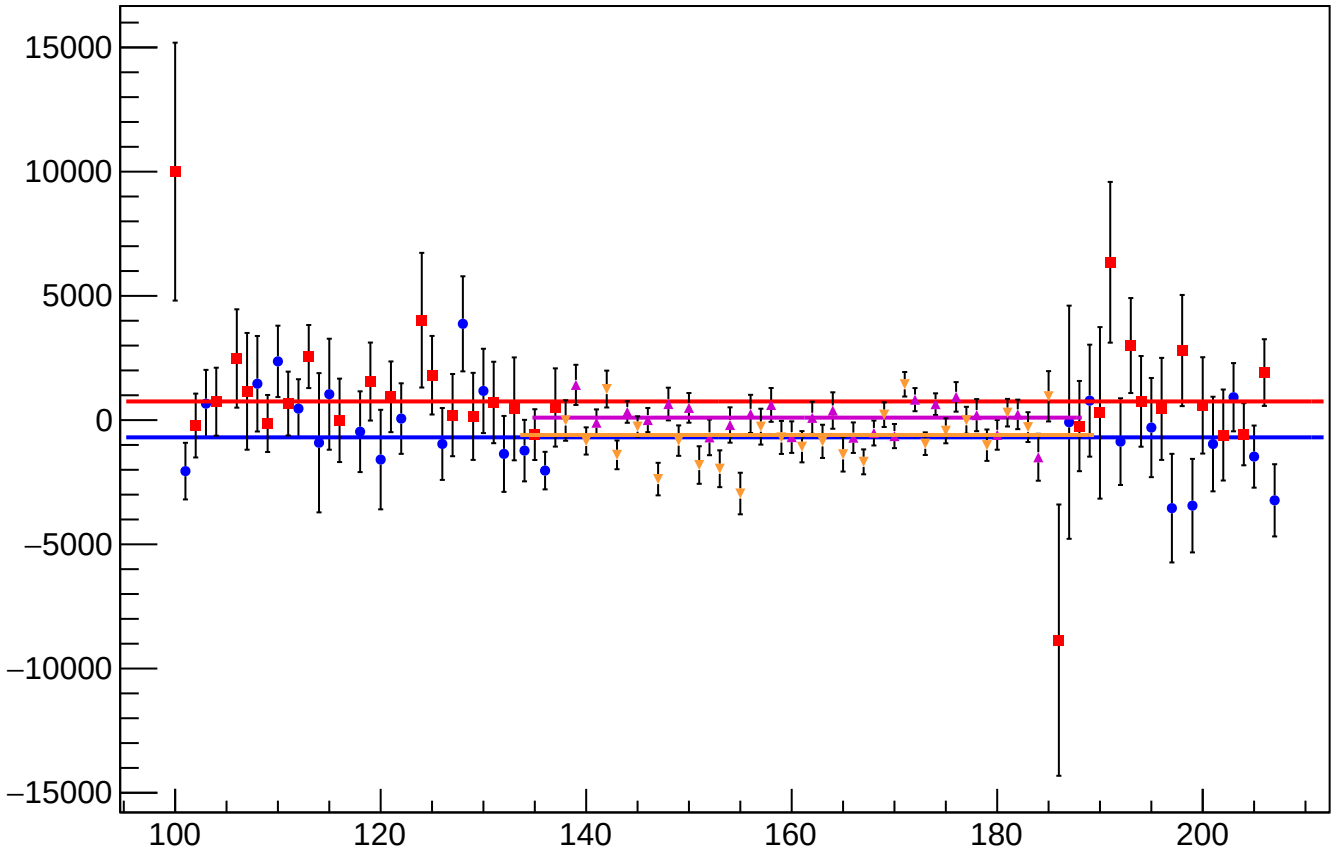
Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

Right: 96.786+/-0.013 χ^2/NDF: 8288724.0/56

In: 81.511+/-0.011 χ^2/NDF:5585318.3/48

Out: 82.084+/-0.010 χ^2/NDF:7512135.7/55

All: 81.803+/-0.007 χ^2/NDF: 13098937.3/104



Right In: -694.028+/-296.276 χ^2/NDF: 29.9/25

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

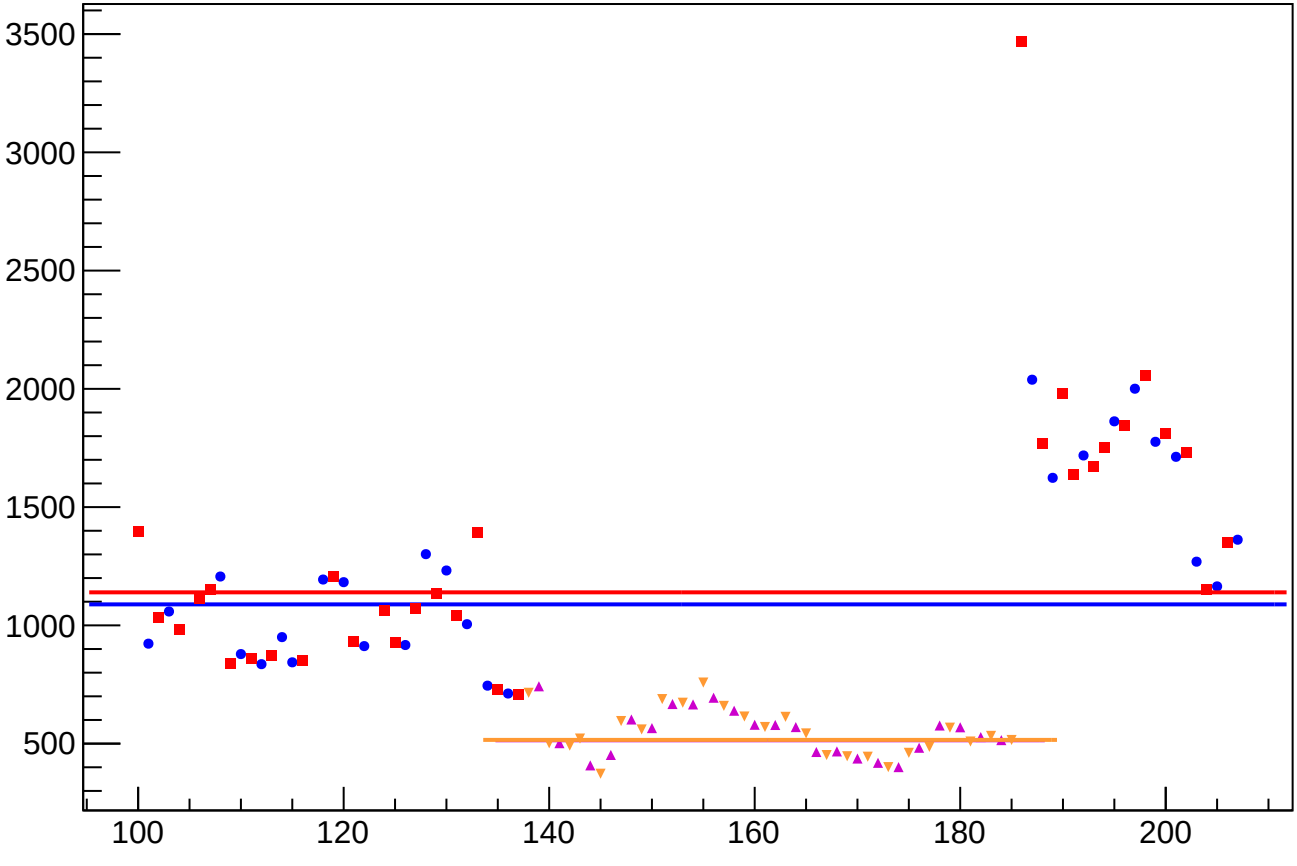
Right: 26.801+/-209.781 χ^2/NDF: 64.4/56

In: -16.385+/-113.055 χ^2/NDF:59.7/48

Out: -411.236+/-110.726 χ^2/NDF:105.4/55

All: -217.921+/-79.106 χ^2/NDF: 171.4/104

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1088.762+/-0.209 χ^2/NDF: 2679791.8/25

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

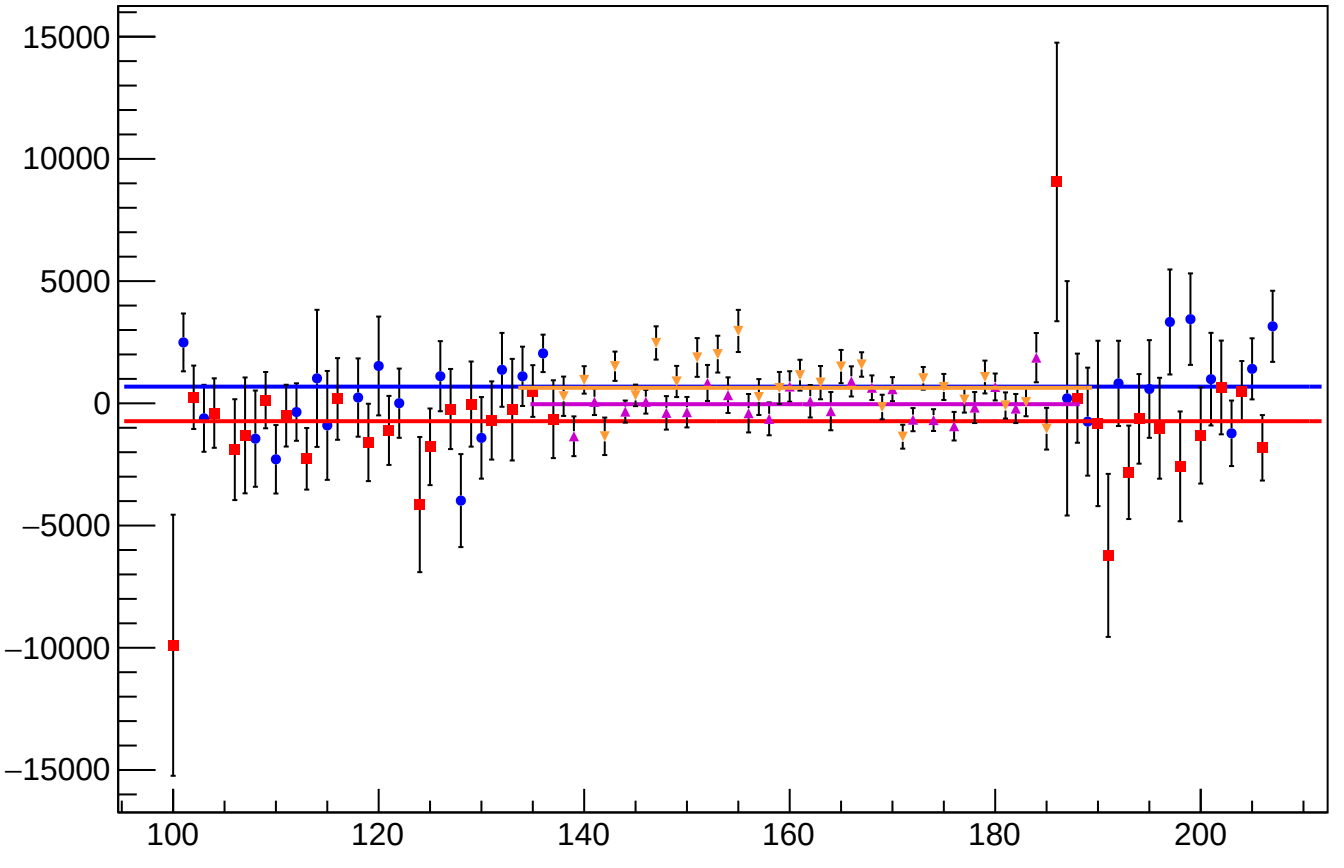
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

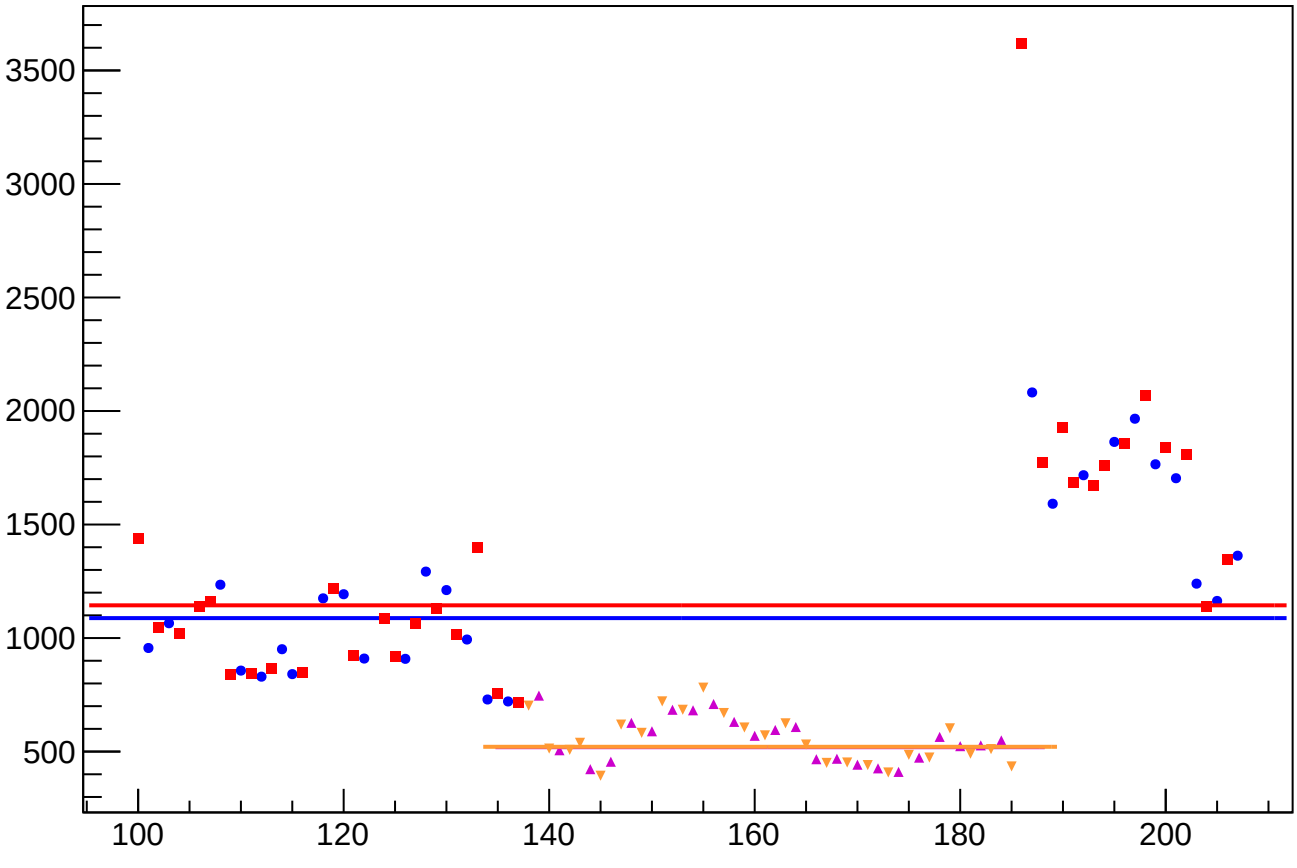
Right: 1114.127+/-0.148 χ^2/NDF: 5953017.1/56

In: 597.765+/-0.080 χ^2/NDF:10225571.2/48

Out: 602.428+/-0.078 χ^2/NDF:12071327.1/55

All: 600.145+/-0.056 χ^2/NDF: 22298635.5/10


asym_sam_12345678_avg_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 683.326+/-295.863 χ²/NDF: 31.3/25
Left Out: 634.783+/-120.717 χ²/NDF:64.5/24
Right Out: -730.766+/-298.556 χ²/NDF: 20.4/30
Left In: -34.808+/-123.517 χ²/NDF:25.1/22
Left: 307.664+/-86.333 χ²/NDF: 104.6/47
Right: -17.314+/-210.152 χ²/NDF: 63.0/56
In: 71.779+/-113.983 χ²/NDF:61.4/48
Out: 442.903+/-111.915 χ²/NDF:102.9/55
All: 260.739+/-79.857 χ²/NDF: 169.7/104



Right In: 1087.818+/-0.209 χ^2/NDF: 2631173.4/25

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

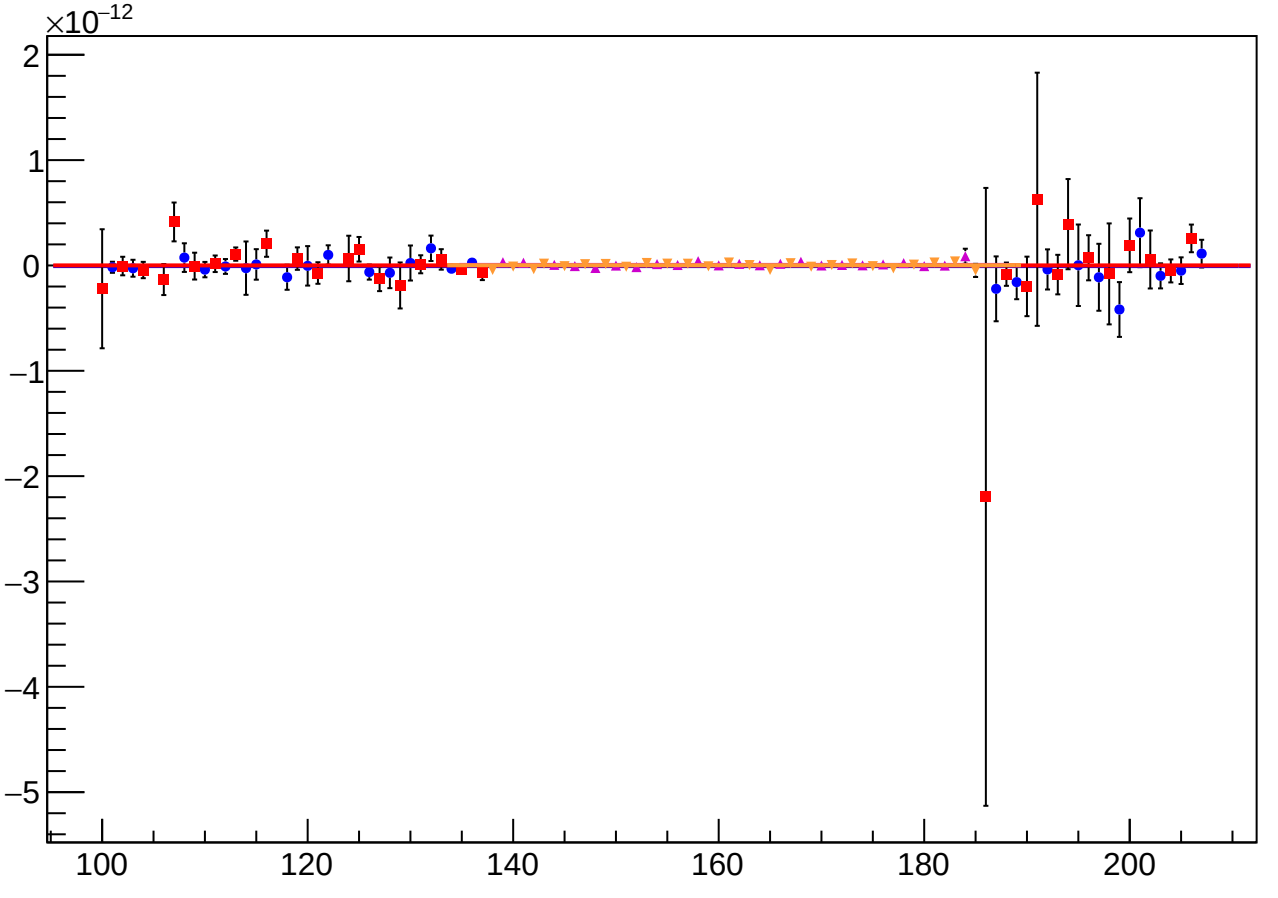
Right: 1115.714+/-0.149 χ^2/NDF: 5938051.6/56

In: 603.629+/-0.081 χ^2/NDF:10021781.3/48

Out: 608.579+/-0.079 χ^2/NDF:12001286.4/55

All: 606.149+/-0.056 χ^2/NDF: 22024988.3/10

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 13.6/25

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: 0.000+/-0.000 χ^2/NDF:10.8/22

Left: 0.000+/-0.000 χ^2/NDF: 33.4/47

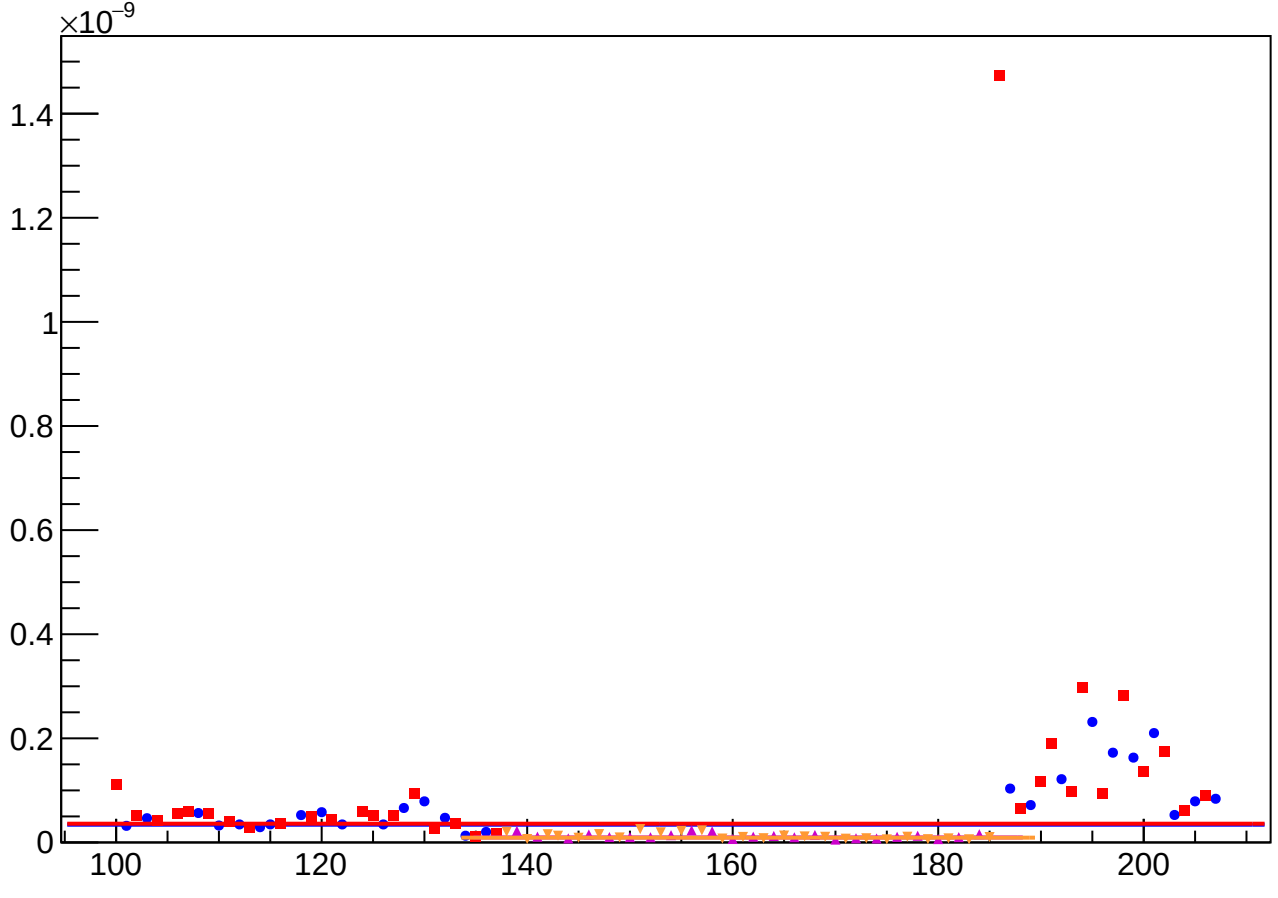
Right: -0.000+/-0.000 χ^2/NDF: 40.9/56

In: 0.000+/-0.000 χ^2/NDF:24.8/48

Out: 0.000+/-0.000 χ^2/NDF:49.6/55

All: 0.000+/-0.000 χ^2/NDF: 74.5/104

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4542639.3/25

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

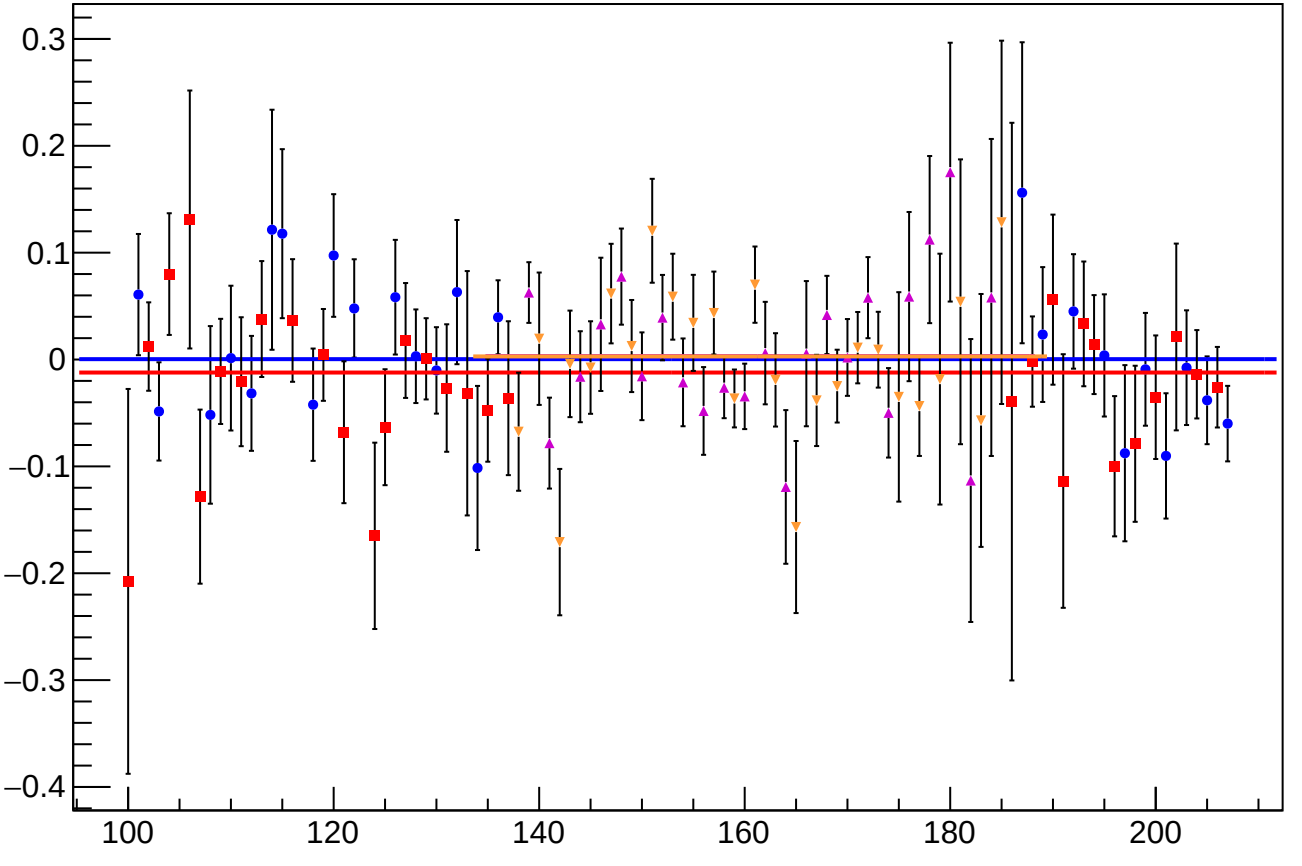
Right: 0.000+/-0.000 χ^2/NDF: 10178392.2/56

In: 0.000+/-0.000 χ^2/NDF:10121738.3/48

Out: 0.000+/-0.000 χ^2/NDF:11914278.1/55

All: 0.000+/-0.000 χ^2/NDF: 22057713.6/104

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.011 χ^2/NDF: 25.5/25

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

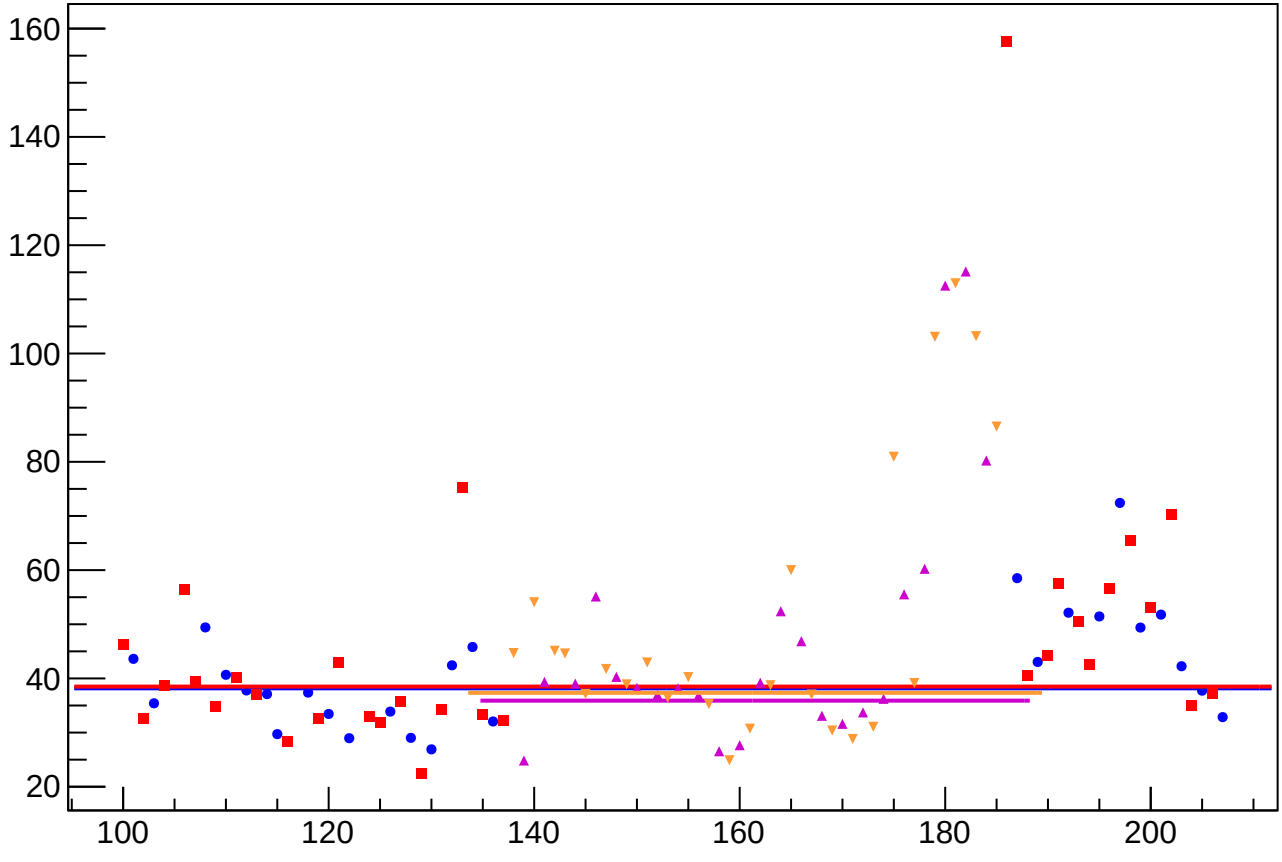
Right: -0.006+/-0.007 χ^2/NDF: 46.9/56

In: 0.002+/-0.007 χ^2/NDF:55.4/48

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: -0.001+/-0.005 χ^2/NDF: 110.5/104

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.170+/-0.007 χ^2/NDF: 1425726.6/25

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

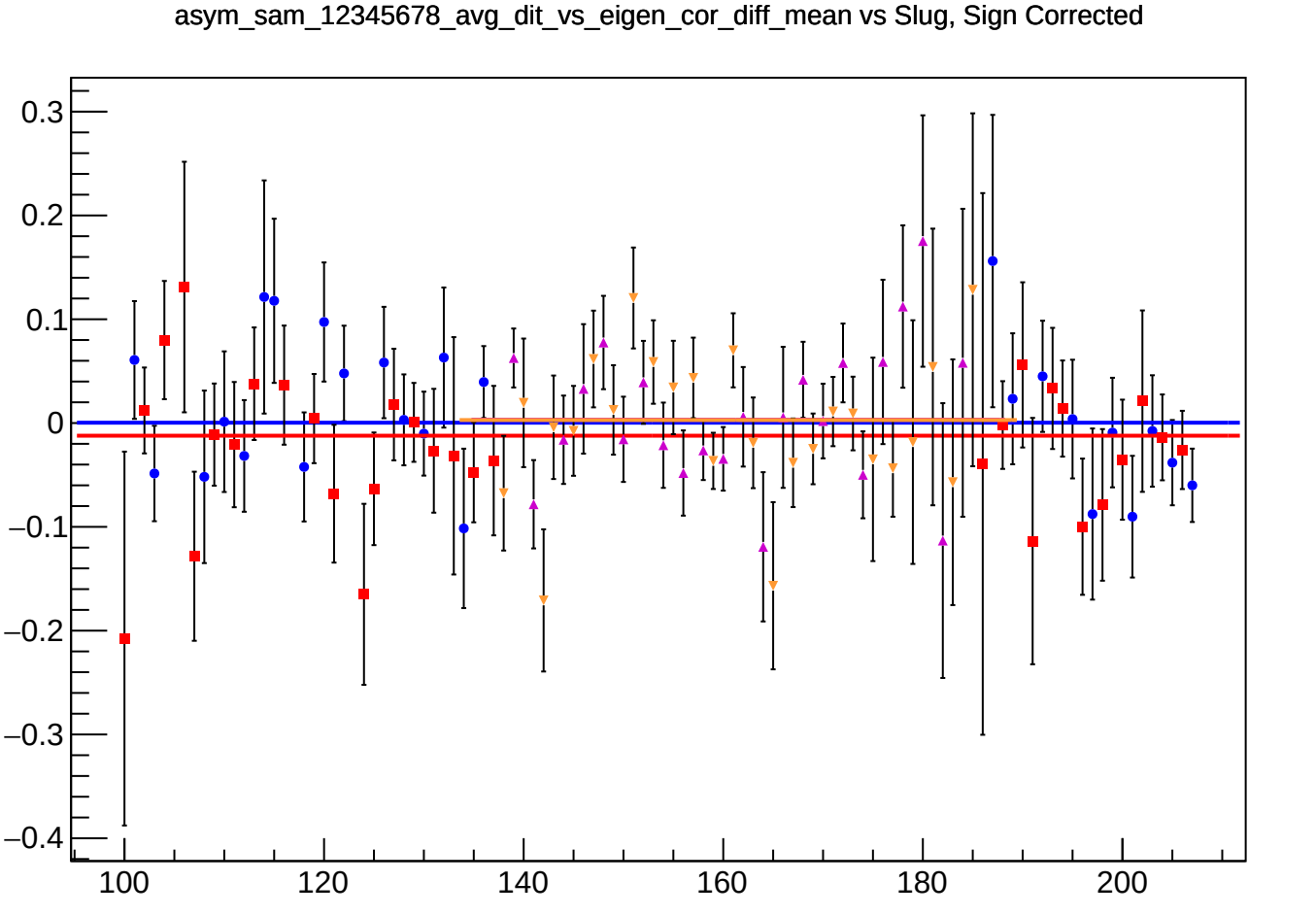
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.335+/-0.005 χ^2/NDF: 3712574.9/56

In: 36.879+/-0.005 χ^2/NDF:4617297.9/48

Out: 37.857+/-0.005 χ^2/NDF:5996296.8/55

All: 37.369+/-0.003 χ^2/NDF: 10633760.1/104



Right In: 0.000+/-0.011 χ^2/NDF: 25.5/25

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

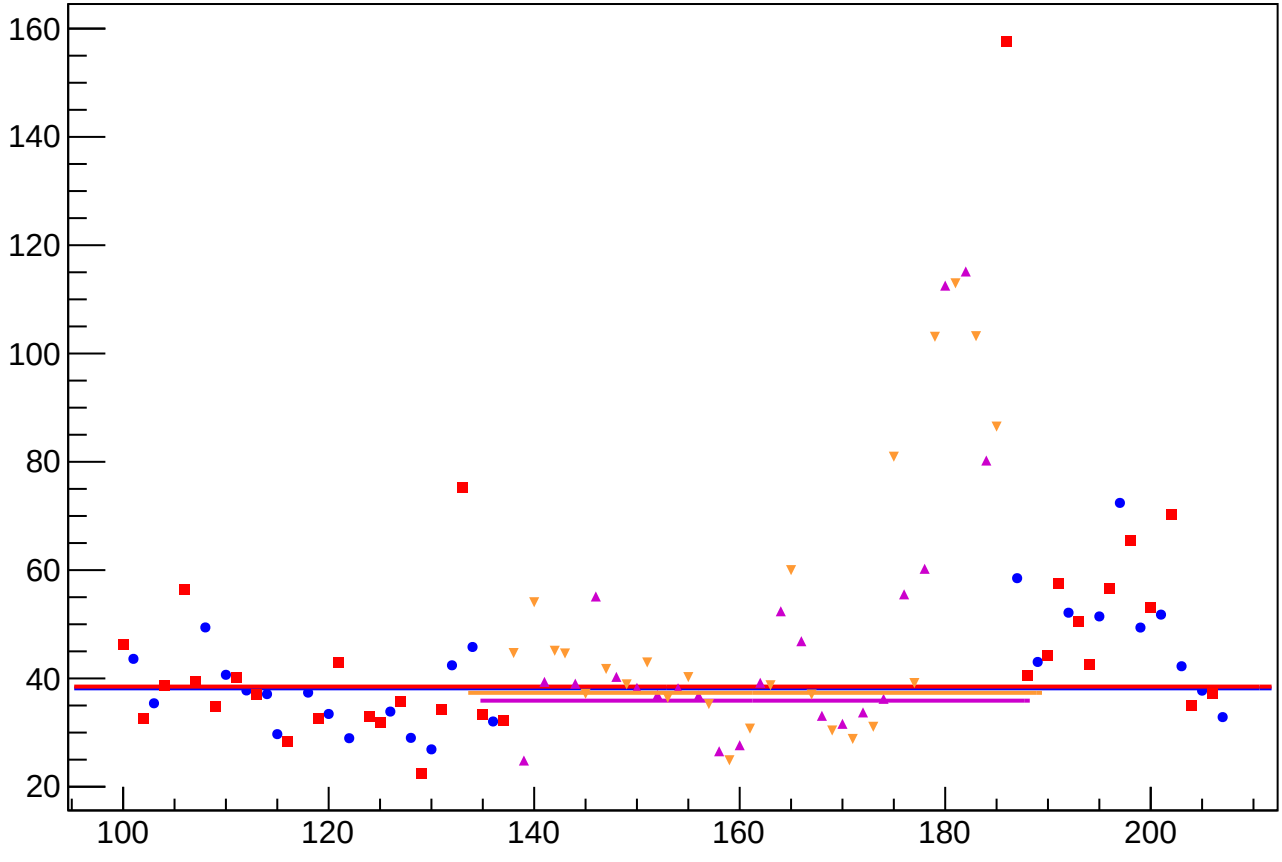
Right: -0.006+/-0.007 χ^2/NDF: 46.9/56

In: 0.002+/-0.007 χ^2/NDF:55.4/48

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: -0.001+/-0.005 χ^2/NDF: 110.5/104

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.170+/-0.007 χ^2/NDF: 1425726.6/25

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

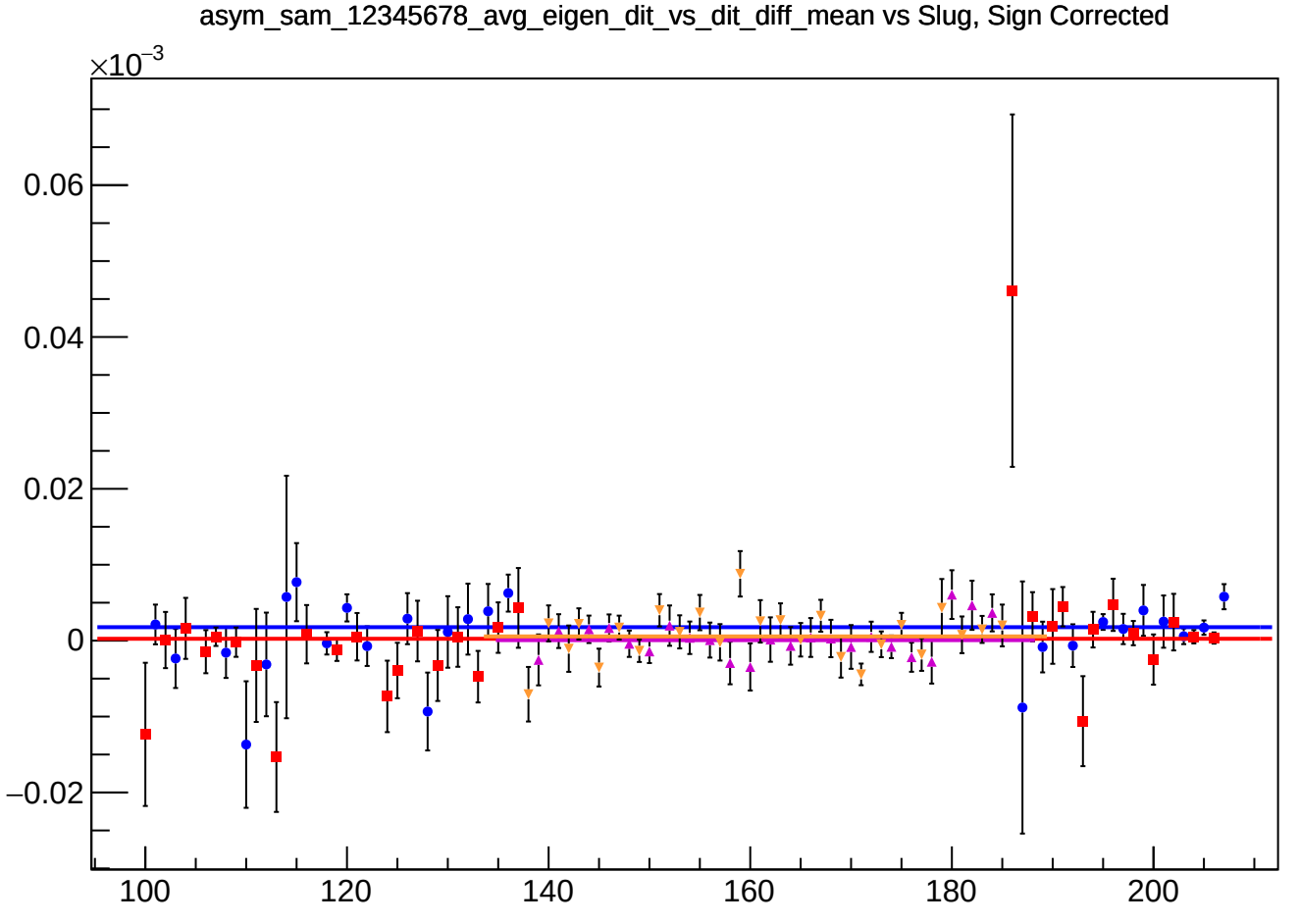
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.335+/-0.005 χ^2/NDF: 3712574.9/56

In: 36.879+/-0.005 χ^2/NDF:4617297.9/48

Out: 37.857+/-0.005 χ^2/NDF:5996296.8/55

All: 37.369+/-0.003 χ^2/NDF: 10633760.1/104



Right In: 0.000+/-0.000 χ^2/NDF: 31.1/25

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/30

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

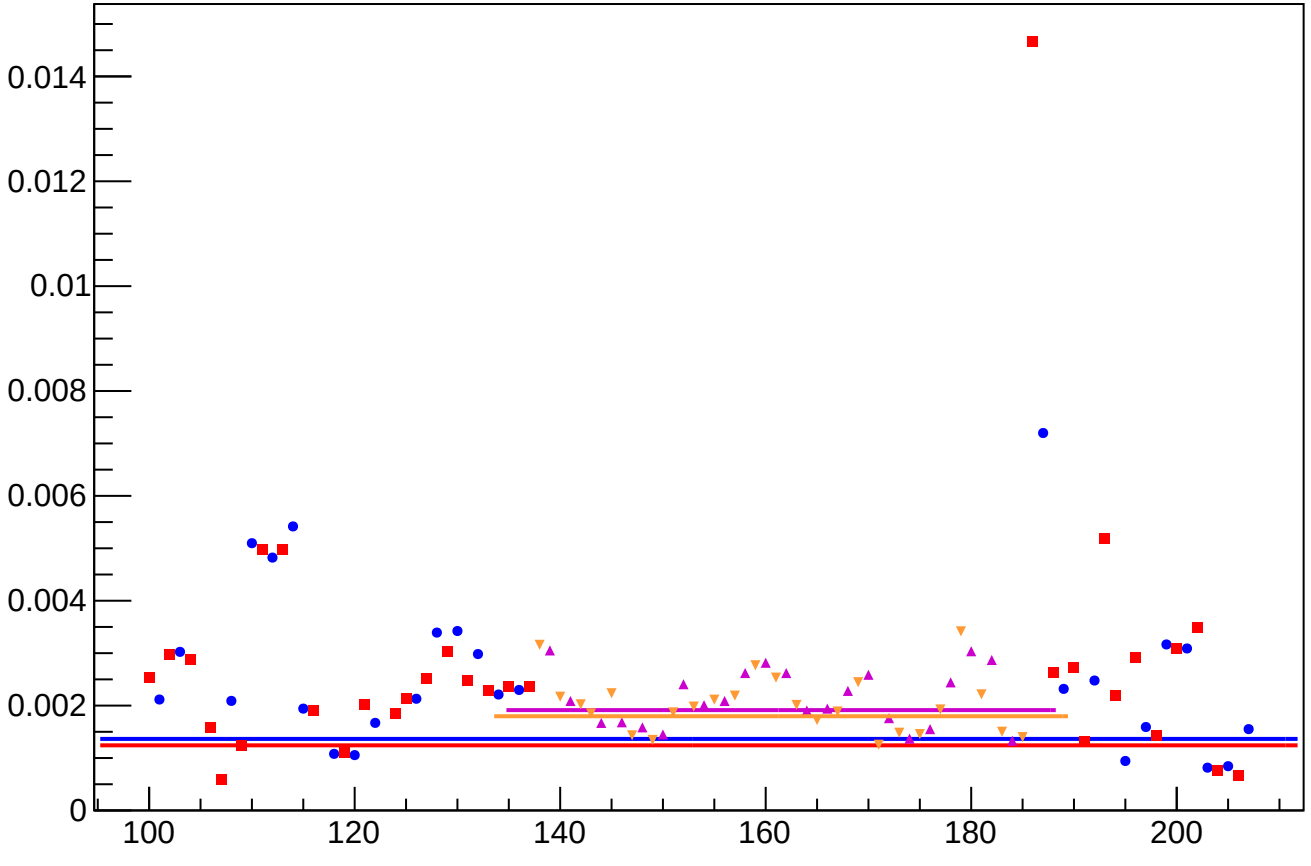
Right: 0.000+/-0.000 χ^2/NDF: 68.1/56

In: 0.000+/-0.000 χ^2/NDF:55.5/48

Out: 0.000+/-0.000 χ^2/NDF:73.7/55

All: 0.000+/-0.000 χ^2/NDF: 131.3/104

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6643072.9/25

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

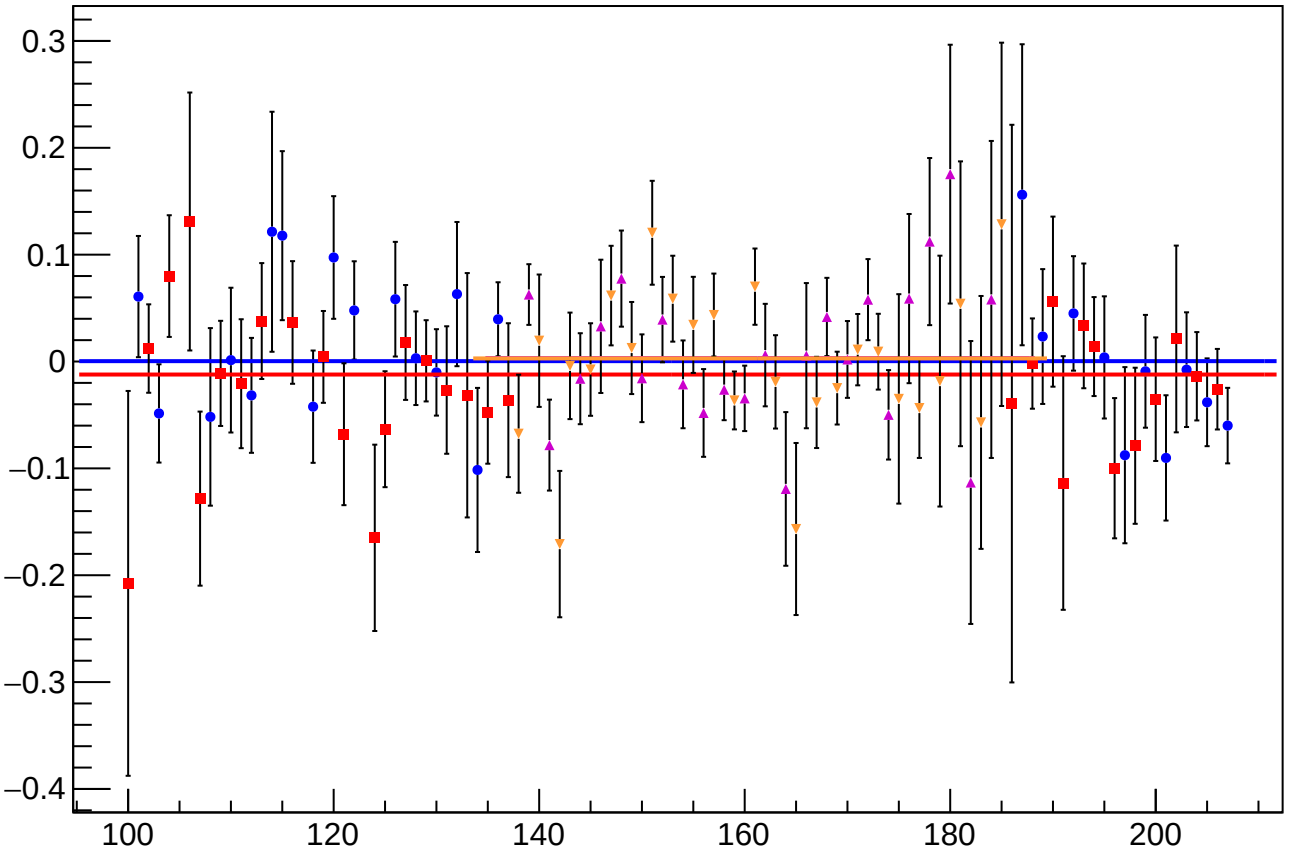
Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

Right: 0.001+/-0.000 χ^2/NDF: 16845707.6/56

In: 0.002+/-0.000 χ^2/NDF:10360365.8/48

Out: 0.001+/-0.000 χ^2/NDF:14256903.5/55

All: 0.002+/-0.000 χ^2/NDF: 24766125.4/104



Right In: 0.000+/-0.011 χ^2/NDF: 25.5/25

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

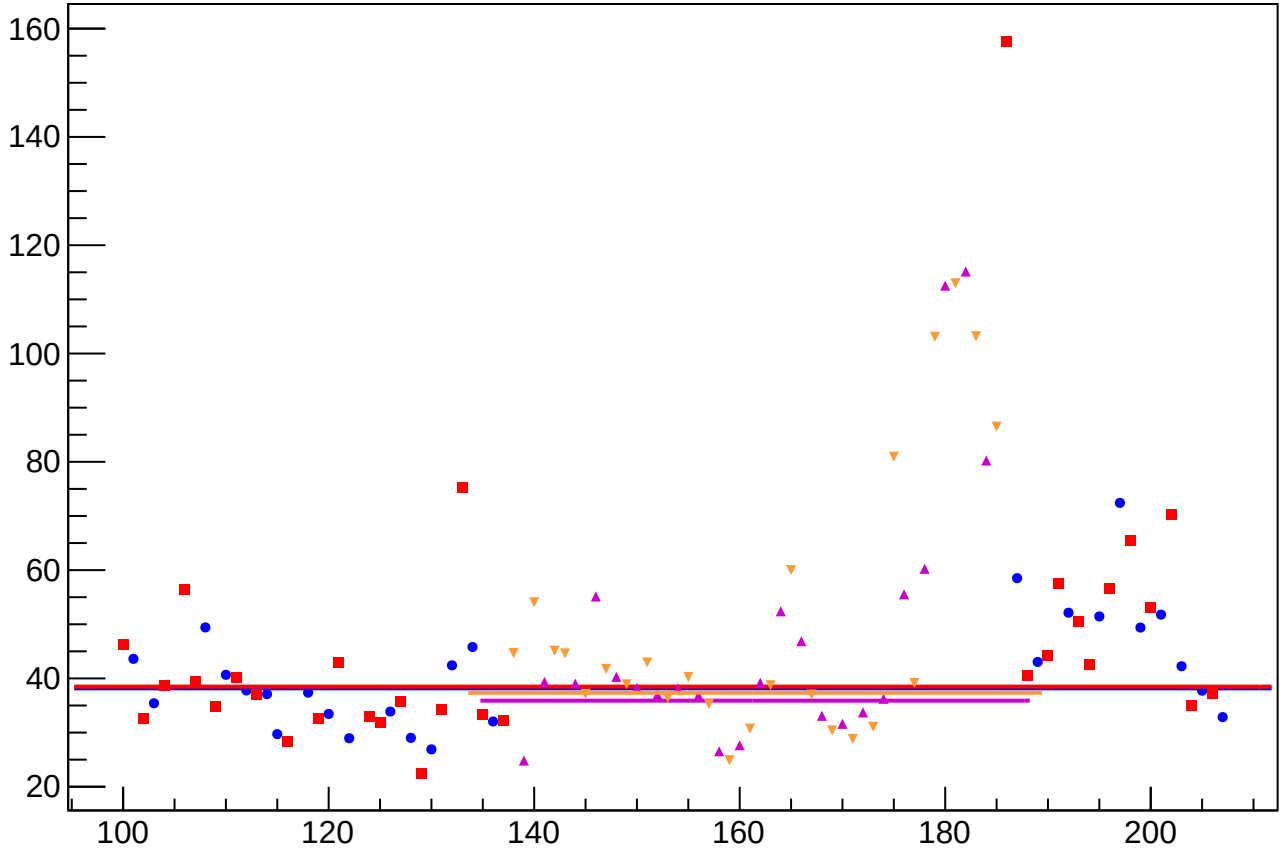
Right: -0.006+/-0.007 χ^2/NDF: 46.9/56

In: 0.002+/-0.007 χ^2/NDF:55.4/48

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: -0.001+/-0.005 χ^2/NDF: 110.5/104

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.170+/-0.007 χ^2/NDF: 1425836.6/25

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

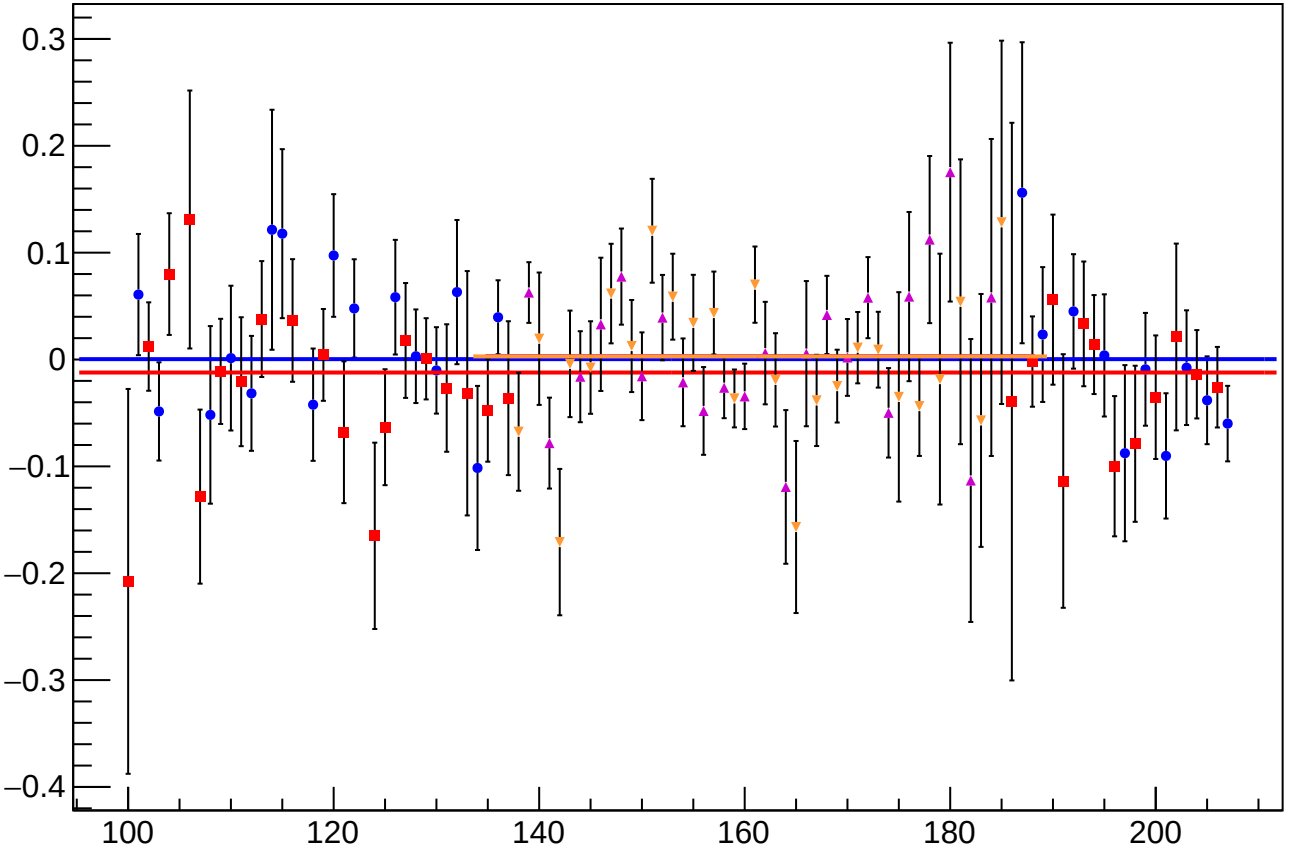
Right: 38.334+/-0.005 χ^2/NDF: 3712804.1/56

In: 36.879+/-0.005 χ^2/NDF:4617379.4/48

Out: 37.858+/-0.005 χ^2/NDF:5996451.0/55

All: 37.369+/-0.003 χ^2/NDF: 10633997.3/104

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.011 χ^2/NDF: 25.5/25

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

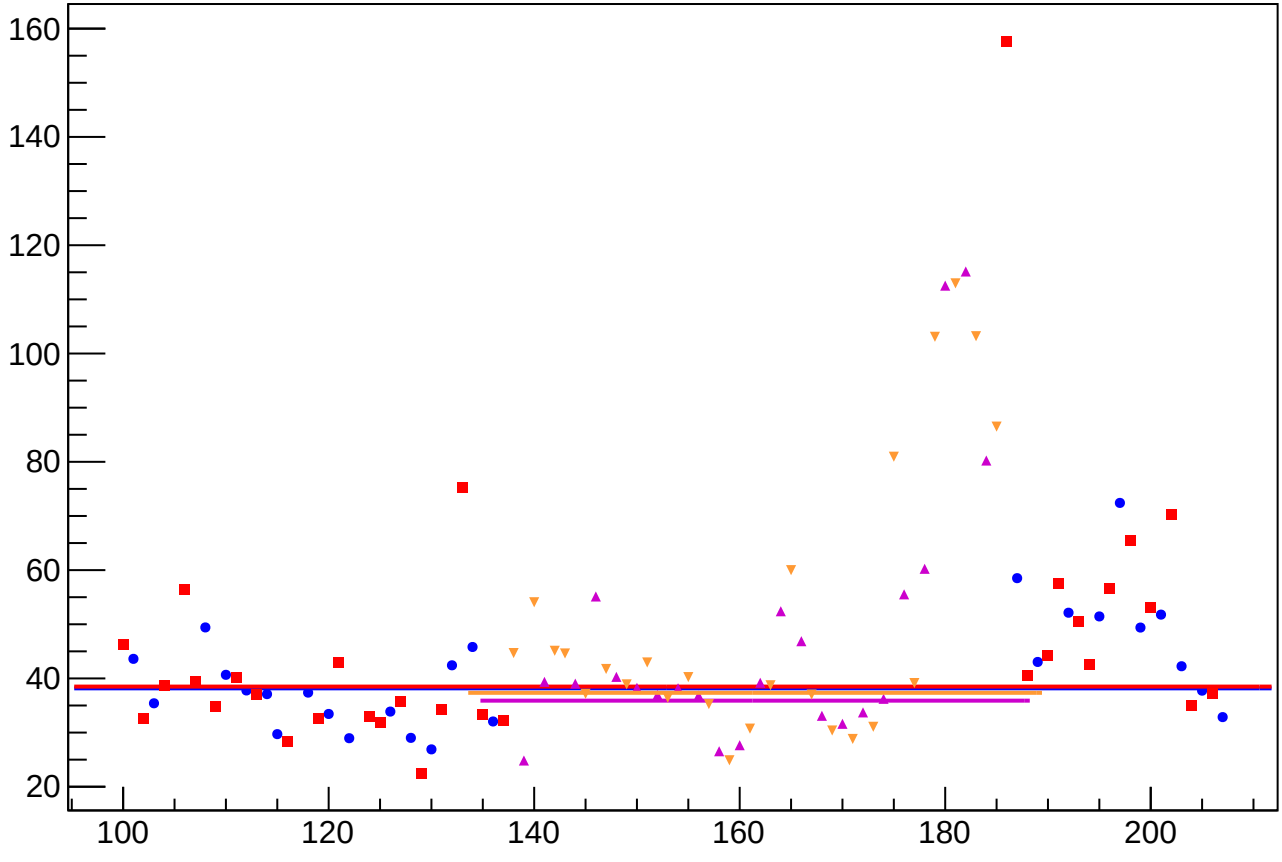
Right: -0.006+/-0.007 χ^2/NDF: 46.9/56

In: 0.002+/-0.007 χ^2/NDF:55.4/48

Out: -0.004+/-0.007 χ^2/NDF:54.7/55

All: -0.001+/-0.005 χ^2/NDF: 110.5/104

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.170+/-0.007 χ^2/NDF: 1425836.6/25

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

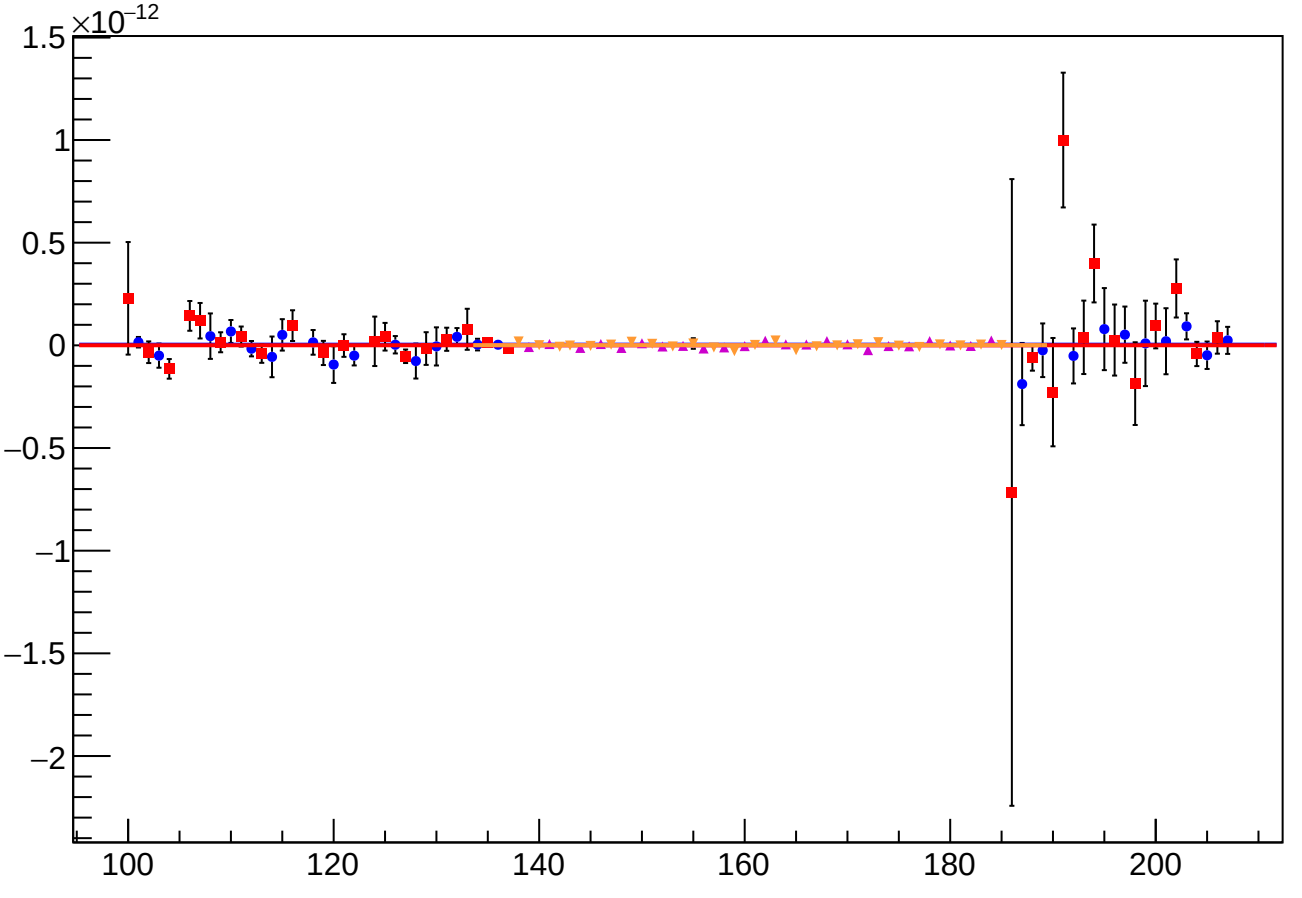
Right: 38.334+/-0.005 χ^2/NDF: 3712804.1/56

In: 36.879+/-0.005 χ^2/NDF:4617379.4/48

Out: 37.858+/-0.005 χ^2/NDF:5996451.0/55

All: 37.369+/-0.003 χ^2/NDF: 10633997.3/104

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.8/25

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

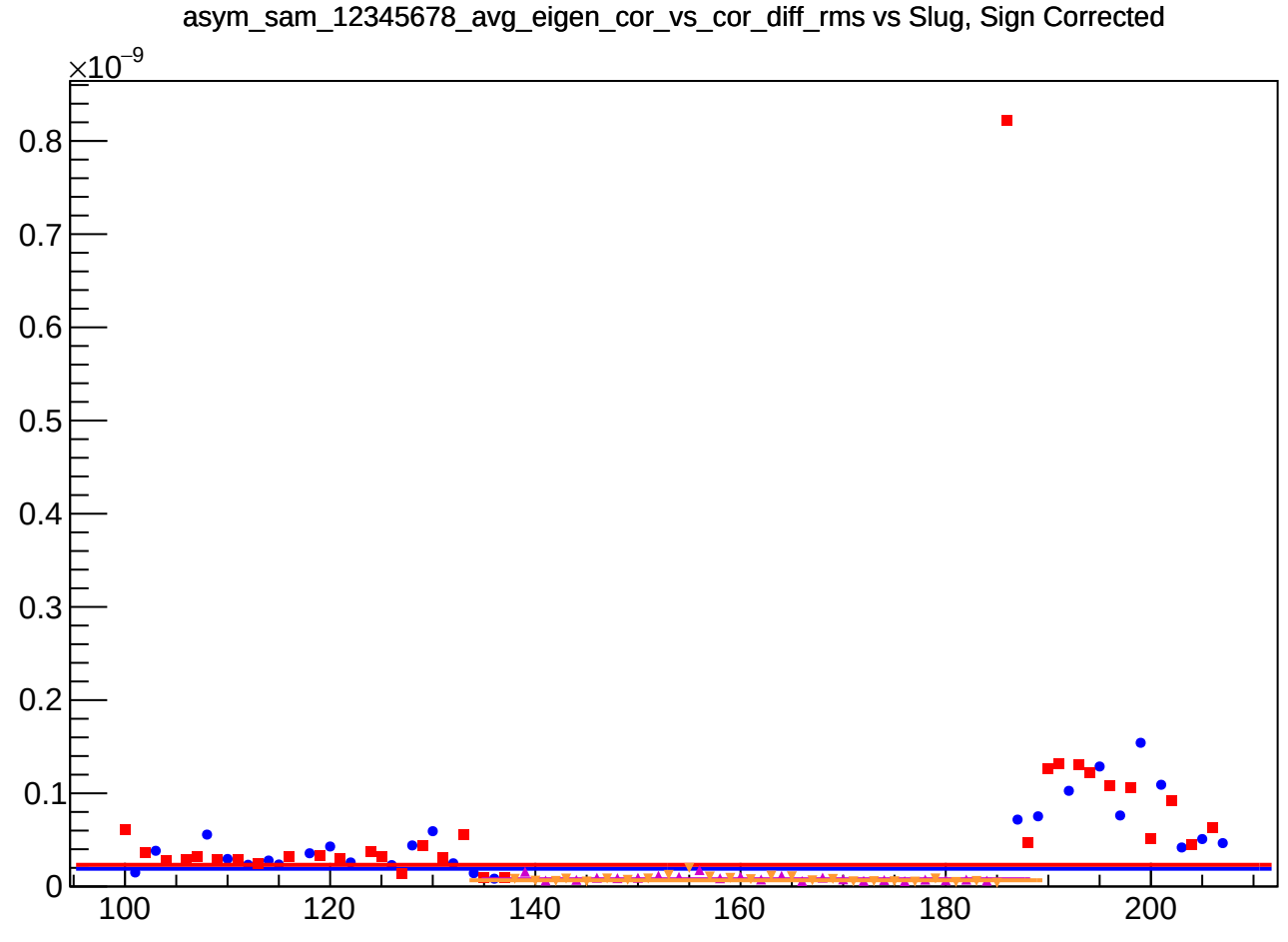
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 55.1/56

In: 0.000+/-0.000 χ^2/NDF:41.1/48

Out: 0.000+/-0.000 χ^2/NDF:64.7/55

All: 0.000+/-0.000 χ^2/NDF: 105.8/104



Right In: 0.000+/-0.000 χ^2/NDF: 7848242.1/25

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

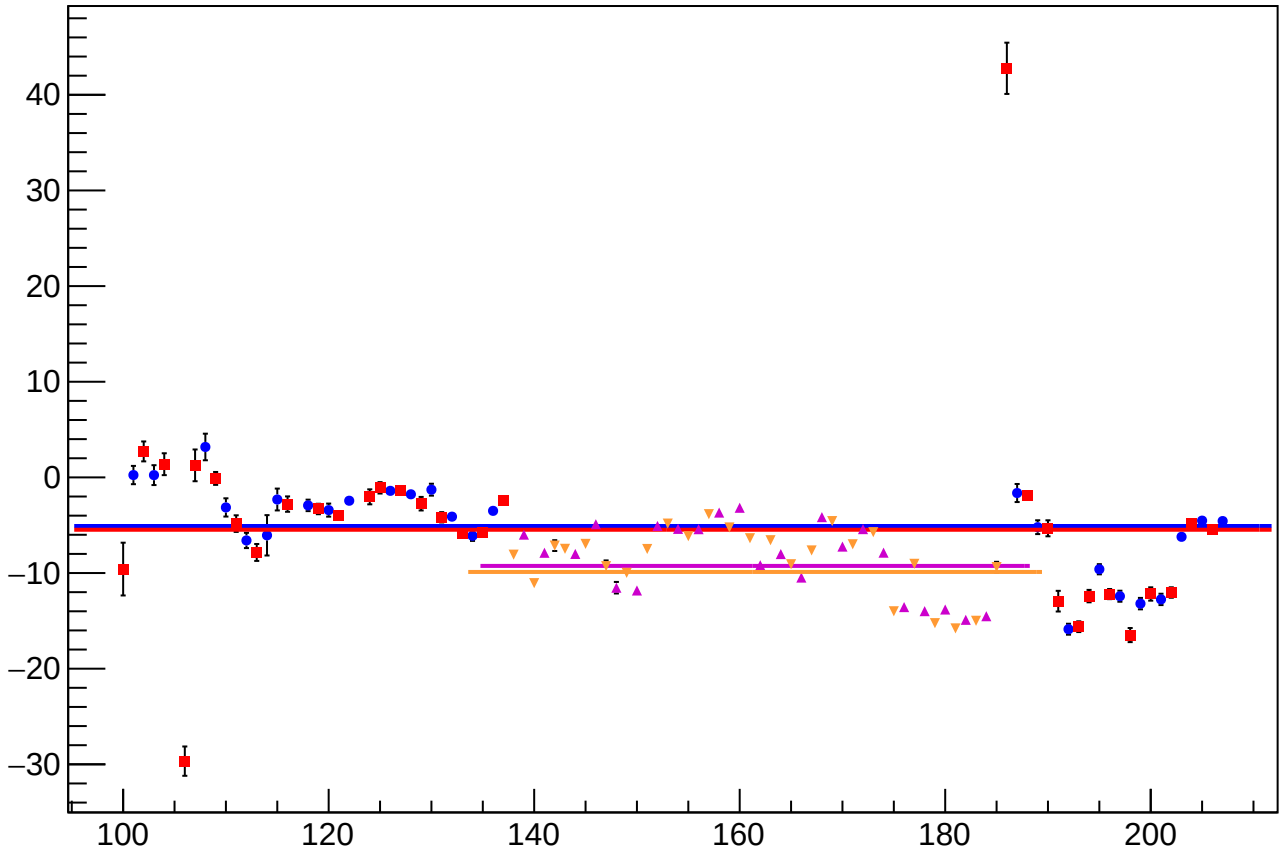
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 15635210.4/56

In: 0.000+/-0.000 χ^2/NDF:12789960.8/48

Out: 0.000+/-0.000 χ^2/NDF:15336145.1/55

All: 0.000+/-0.000 χ^2/NDF: 28434924.9/104



Right In: -5.082+/-0.105 χ^2/NDF: 1317.7/25

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

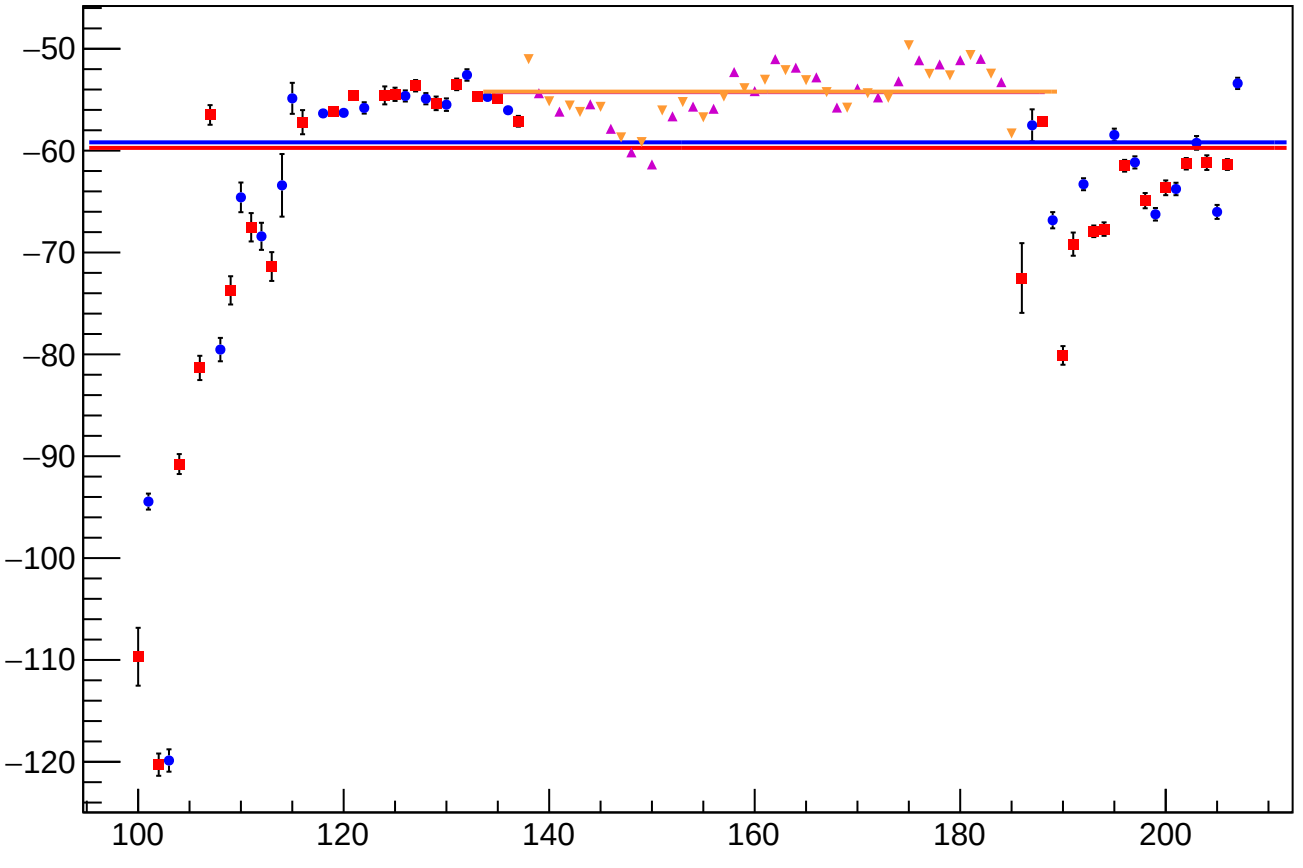
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.280+/-0.074 χ^2/NDF: 3578.2/56

In: -7.935+/-0.059 χ^2/NDF:5458.9/48

Out: -8.533+/-0.058 χ^2/NDF:6695.5/55

All: -8.241+/-0.041 χ^2/NDF: 12206.6/104



Right In: -59.185+/-0.114 χ^2/NDF: 6729.1/25

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.729+/-0.112 χ^2/NDF: 7053.1/30

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

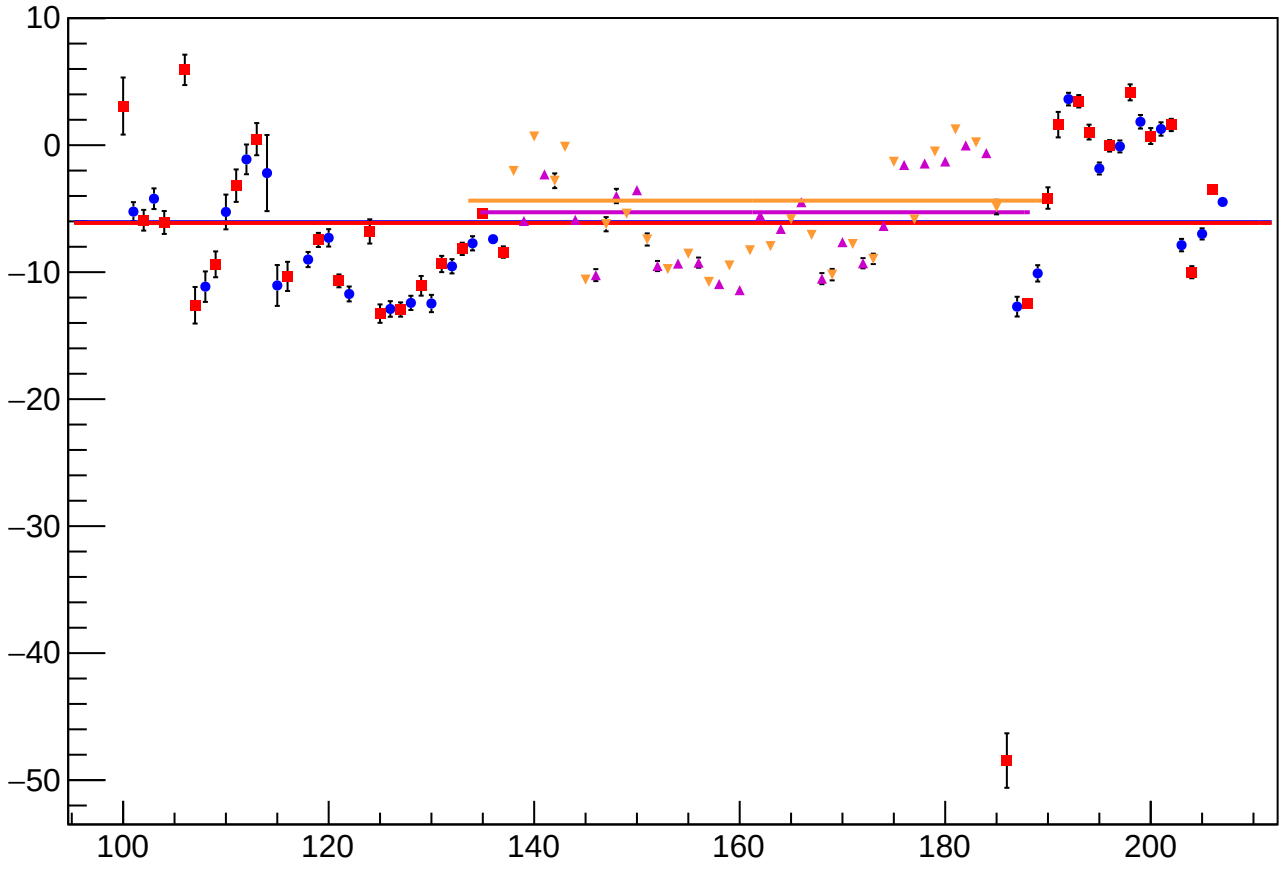
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.460+/-0.080 χ^2/NDF: 13793.8/56

In: -55.286+/-0.052 χ^2/NDF:10710.1/48

Out: -55.299+/-0.050 χ^2/NDF:10847.5/55

All: -55.293+/-0.036 χ^2/NDF: 21557.6/104



Right In: -6.063+/-0.106 χ^2/NDF: 1779.9/25

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

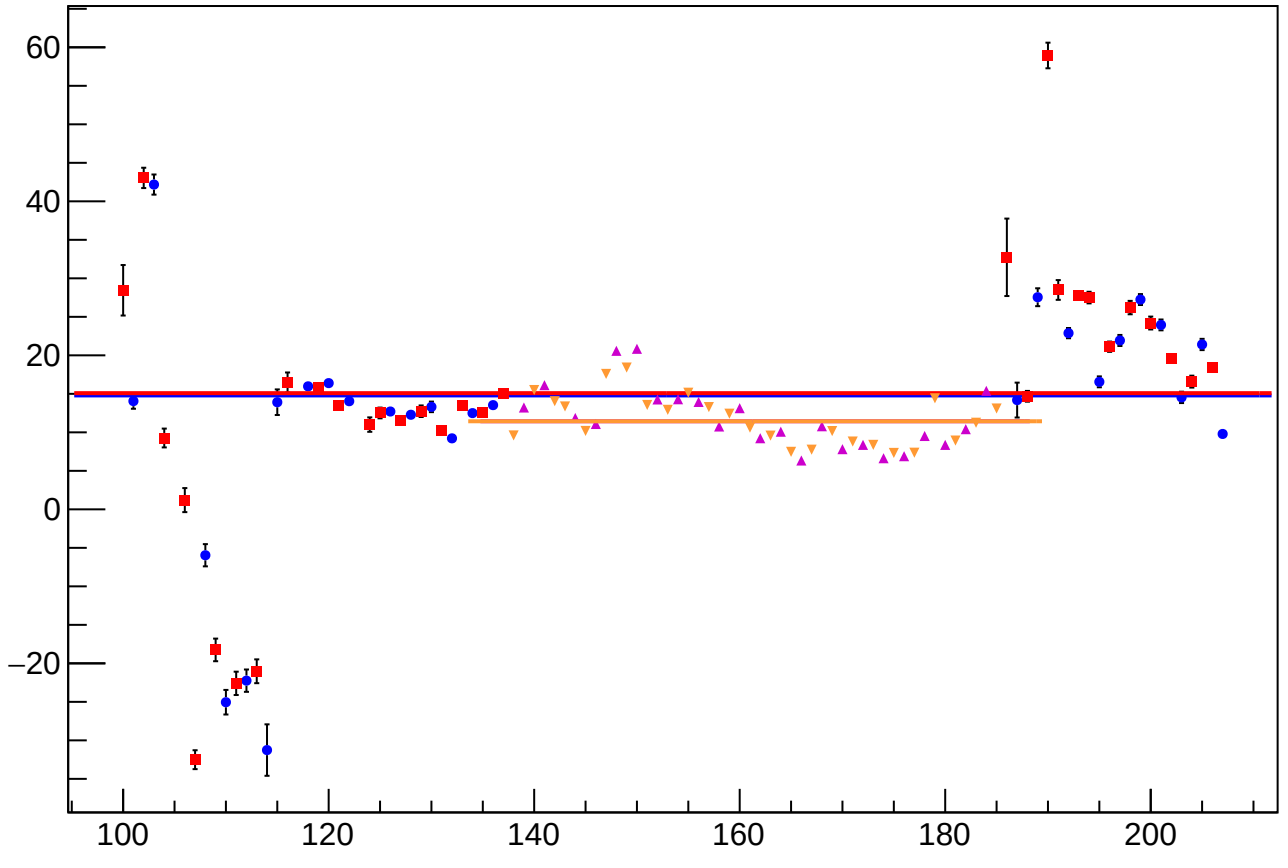
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.094+/-0.074 χ^2/NDF: 4941.4/56

In: -5.526+/-0.059 χ^2/NDF:4567.5/48

Out: -4.912+/-0.057 χ^2/NDF:7062.9/55

All: -5.211+/-0.041 χ^2/NDF: 11685.9/104



Right In: 14.795+/-0.127 χ^2/NDF: 3300.1/25

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

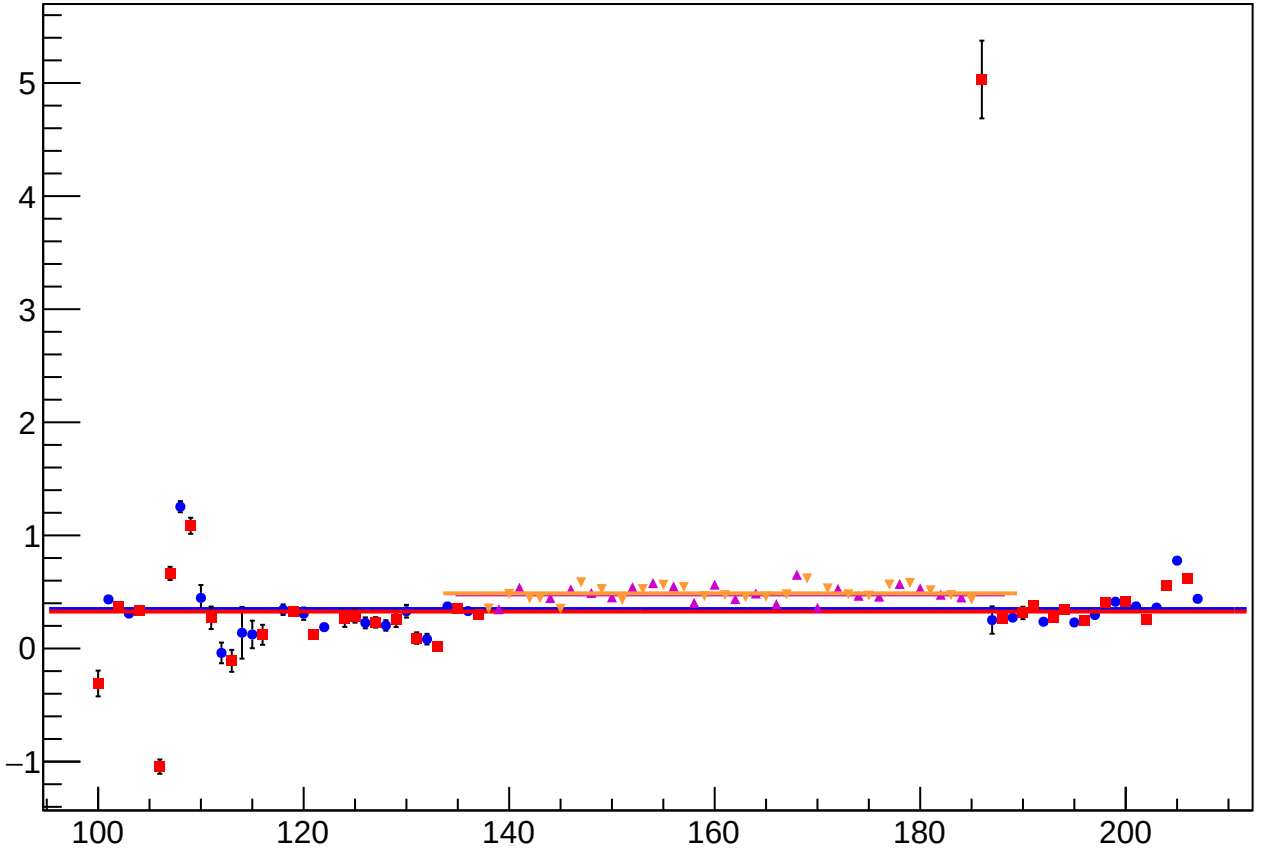
Right: 14.940+/-0.090 χ^2/NDF: 9204.0/56

In: 12.123+/-0.057 χ^2/NDF:7213.7/48

Out: 12.131+/-0.056 χ^2/NDF:8995.3/55

All: 12.127+/-0.040 χ^2/NDF: 16209.0/104

reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.349+/-0.006 χ^2/NDF: 695.1/25

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.327+/-0.006 χ^2/NDF: 1291.1/30

Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

Left: 0.483+/-0.002 χ^2/NDF: 1343.4/47

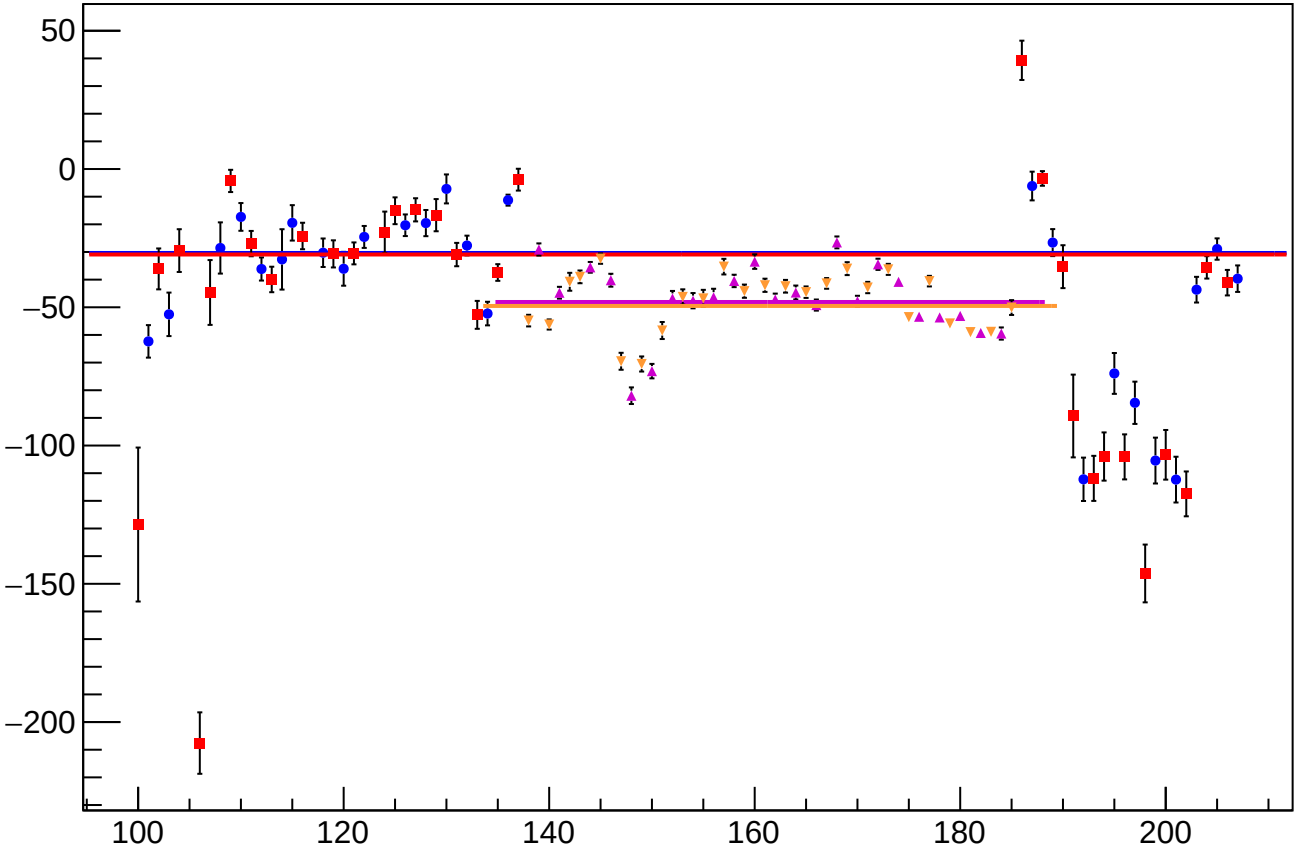
Right: 0.338+/-0.004 χ^2/NDF: 1994.0/56

In: 0.453+/-0.002 χ^2/NDF:1931.2/48

Out: 0.457+/-0.002 χ^2/NDF:2501.9/55

All: 0.455+/-0.002 χ^2/NDF: 4434.4/104

reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -30.360+/-0.927 χ^2/NDF: 611.3/25

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

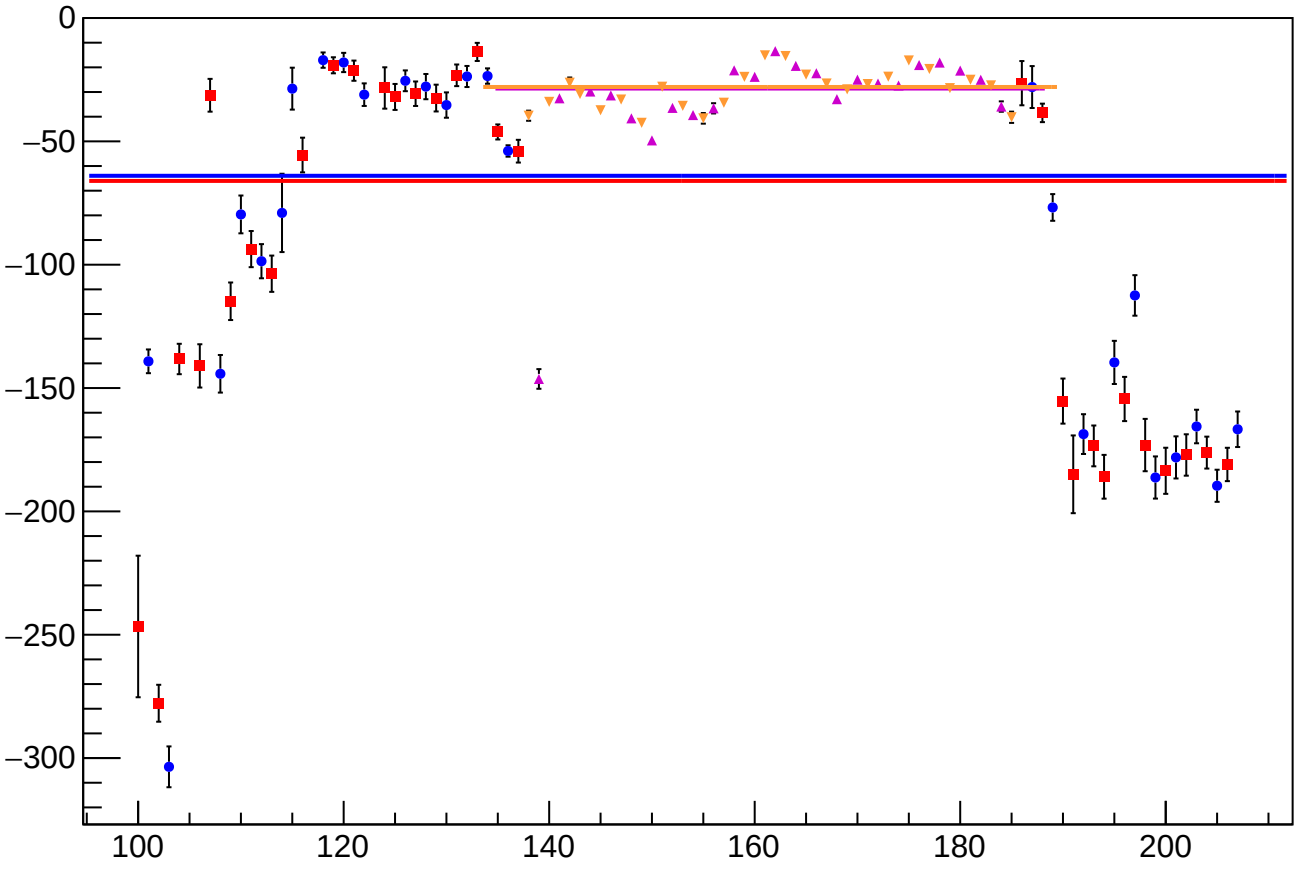
Left: -48.829+/-0.290 χ^2/NDF: 1288.6/47

Right: -30.633+/-0.658 χ^2/NDF: 1810.1/56

In: -45.085+/-0.381 χ^2/NDF:1621.3/48

Out: -46.605+/-0.370 χ^2/NDF:2109.5/55

All: -45.869+/-0.265 χ^2/NDF: 3739.1/104



Right In: -63.957+/-0.996 χ^2/NDF: 3584.1/25

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

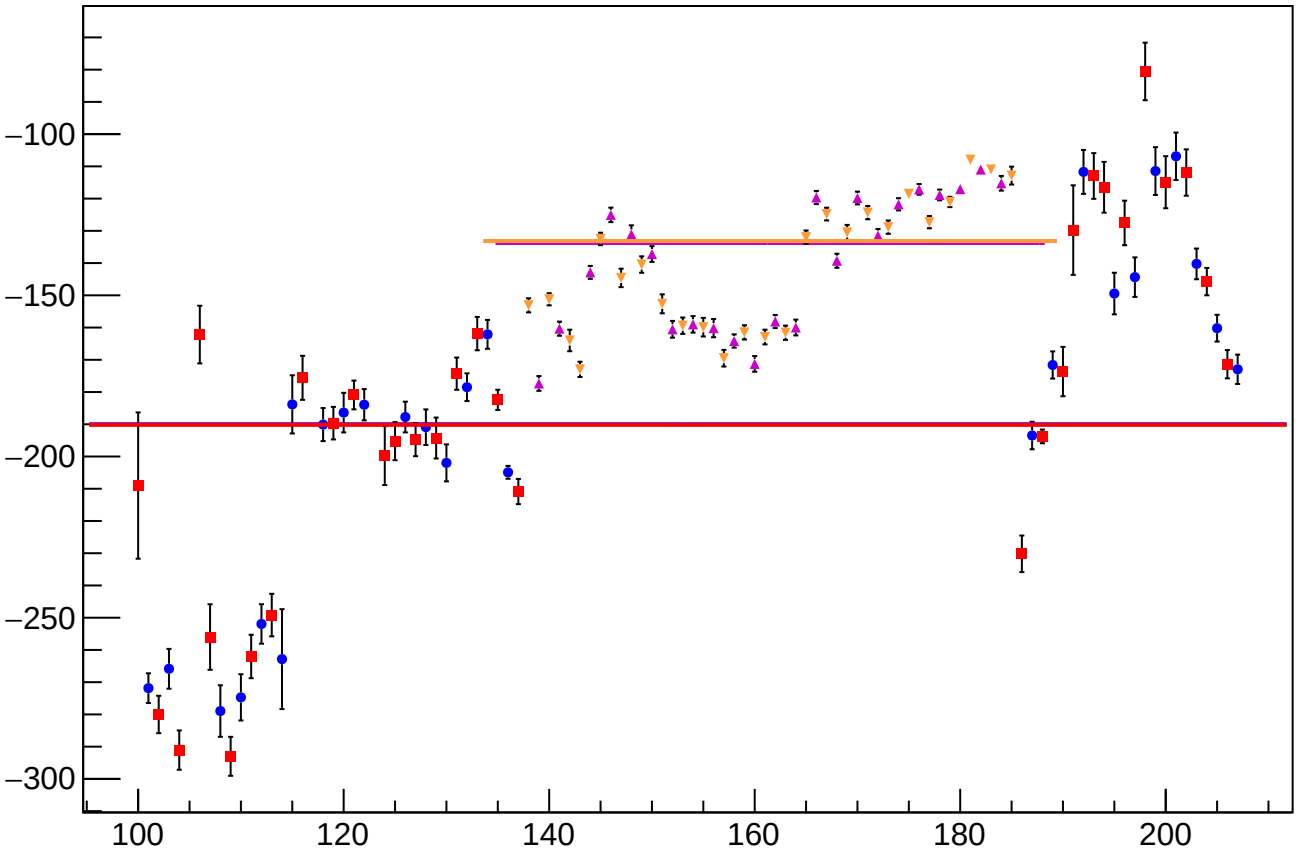
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -64.957+/-0.717 χ^2/NDF: 7261.5/56

In: -32.160+/-0.316 χ^2/NDF:6198.5/48

Out: -31.305+/-0.307 χ^2/NDF:5409.4/55

All: -31.720+/-0.220 χ^2/NDF: 11611.7/104



Right In: -190.004+/-0.958 χ^2/NDF: 1624.6/25

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

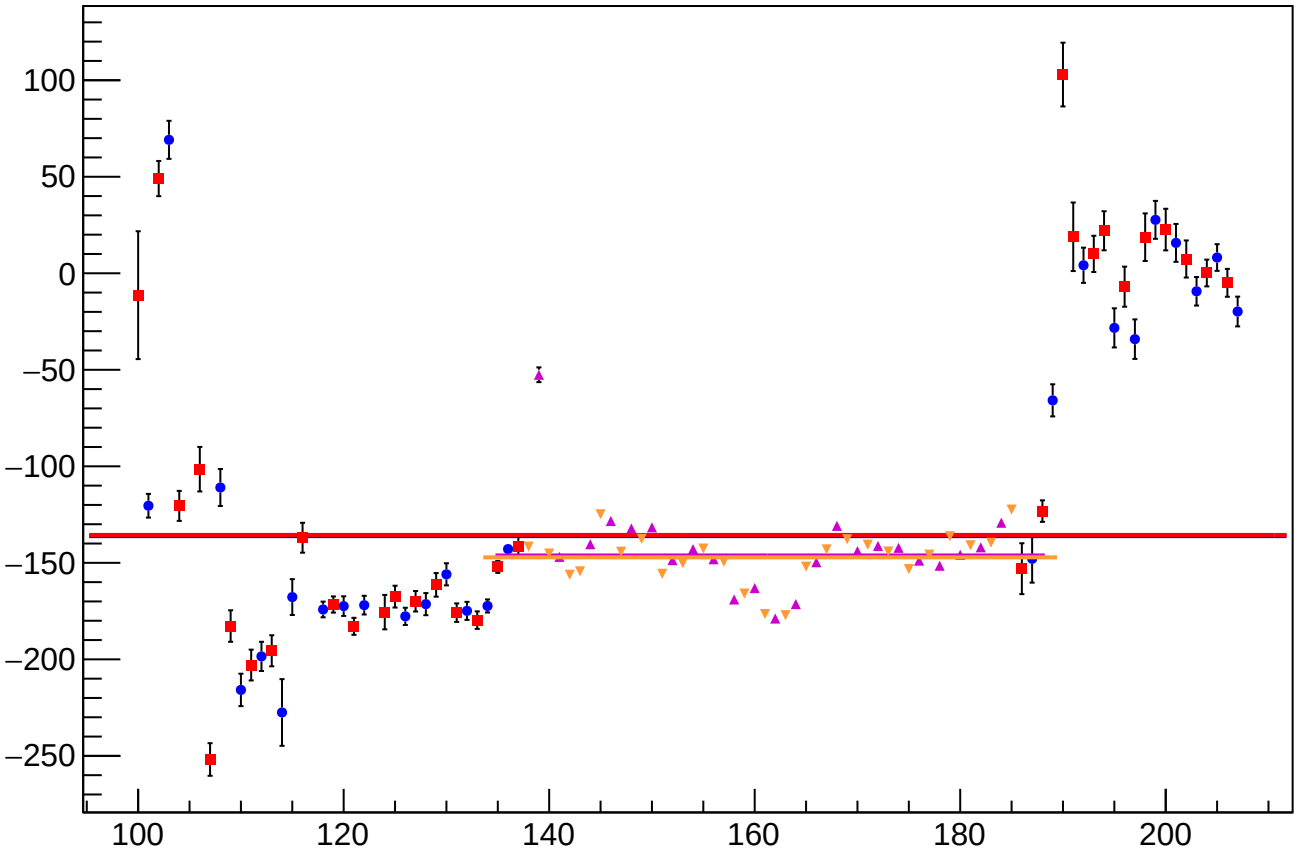
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -190.085+/-0.676 χ^2/NDF: 3608.8/56

In: -142.739+/-0.382 χ^2/NDF:6963.5/48

Out: -141.769+/-0.371 χ^2/NDF:7539.8/55

All: -142.240+/-0.266 χ^2/NDF: 14506.7/104



Right In: -136.171+/-1.122 χ^2/NDF: 3163.1/25

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

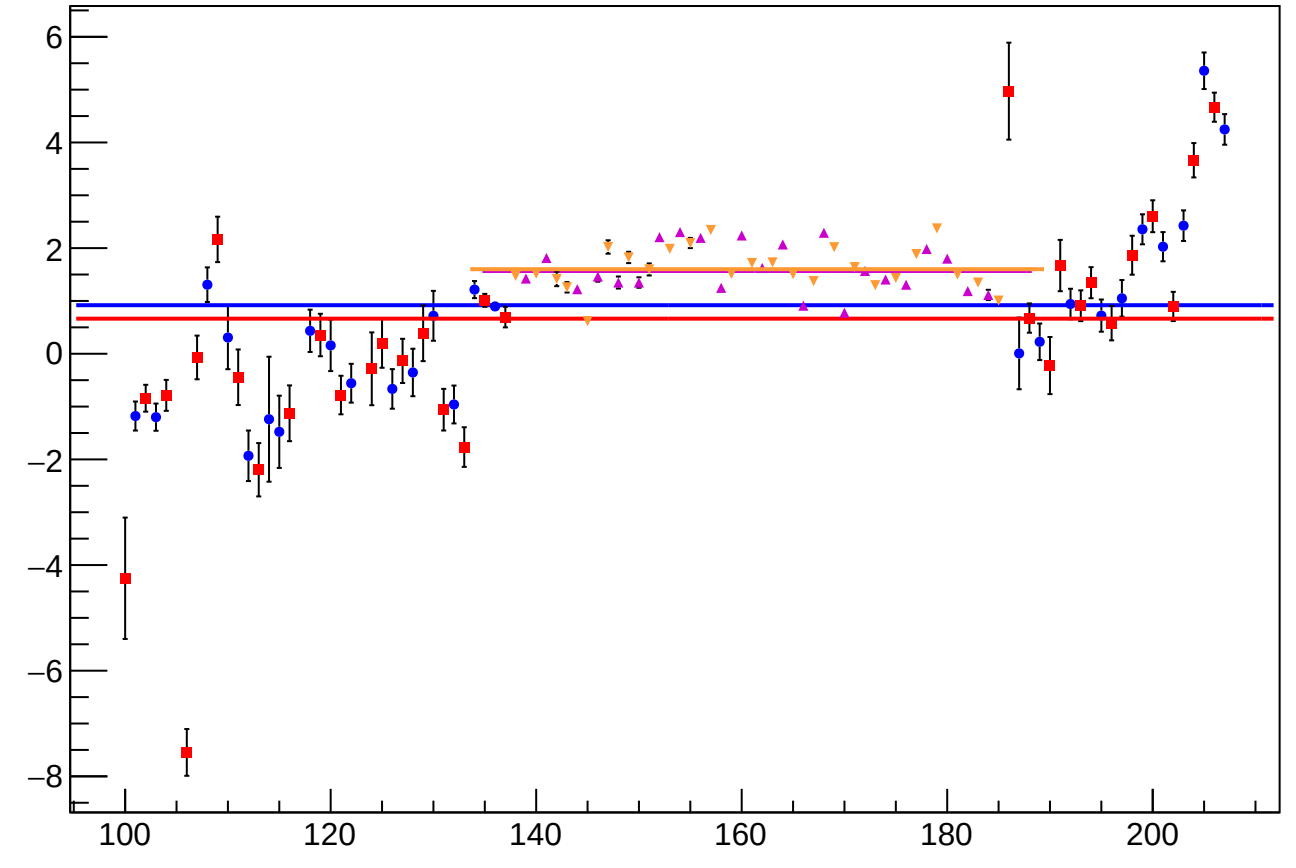
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -135.875+/-0.815 χ^2/NDF: 6677.2/56

In: -145.189+/-0.352 χ^2/NDF:5028.5/48

Out: -146.195+/-0.343 χ^2/NDF:4847.8/55

All: -145.705+/-0.246 χ^2/NDF: 9880.5/104



Right In: 0.919+/-0.054 χ^2/NDF: 628.4/25

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

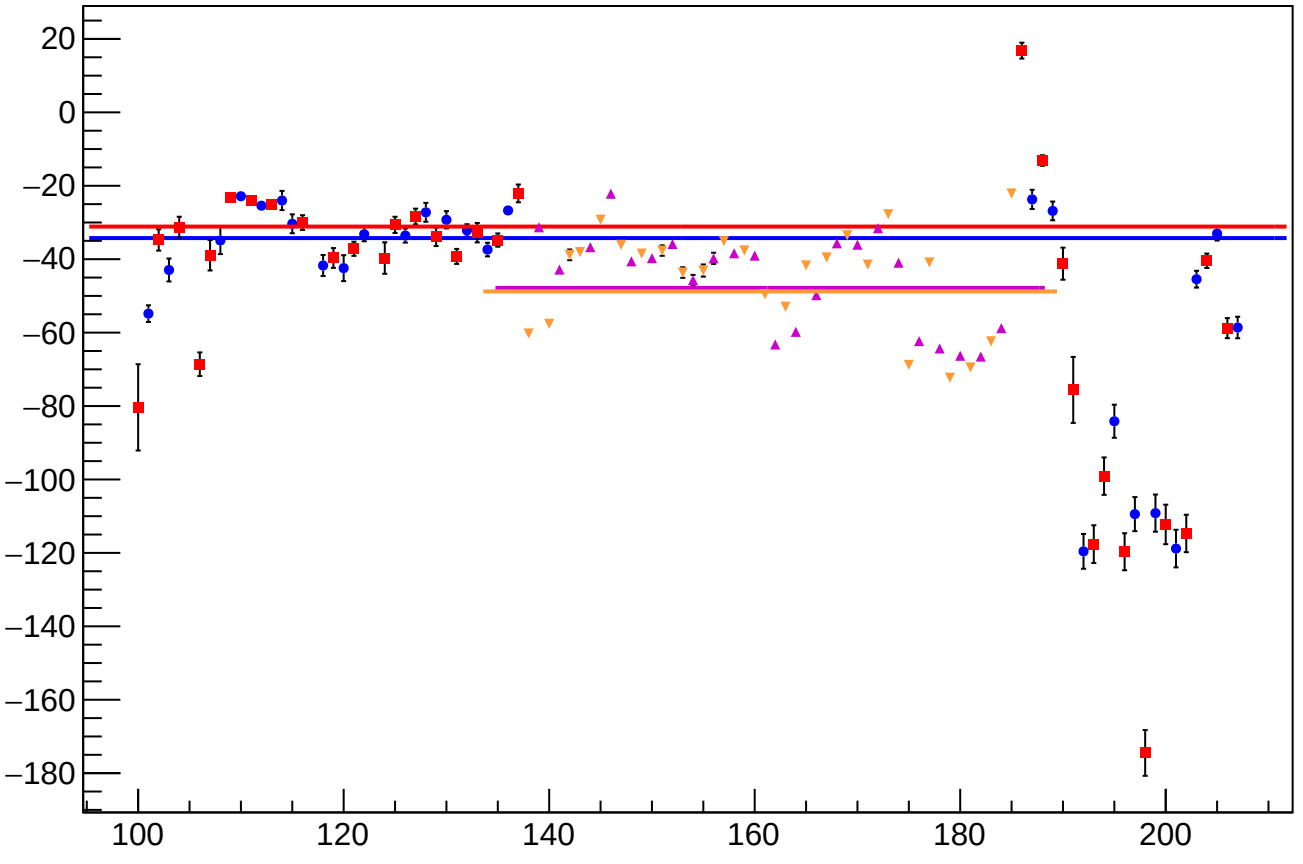
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.799+/-0.040 χ^2/NDF: 1600.2/56

In: 1.514+/-0.016 χ^2/NDF:1493.5/48

Out: 1.534+/-0.015 χ^2/NDF:1787.5/55

All: 1.524+/-0.011 χ^2/NDF: 3282.0/104



Right In: -34.246+/-0.420 χ^2/NDF: 1641.6/25

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

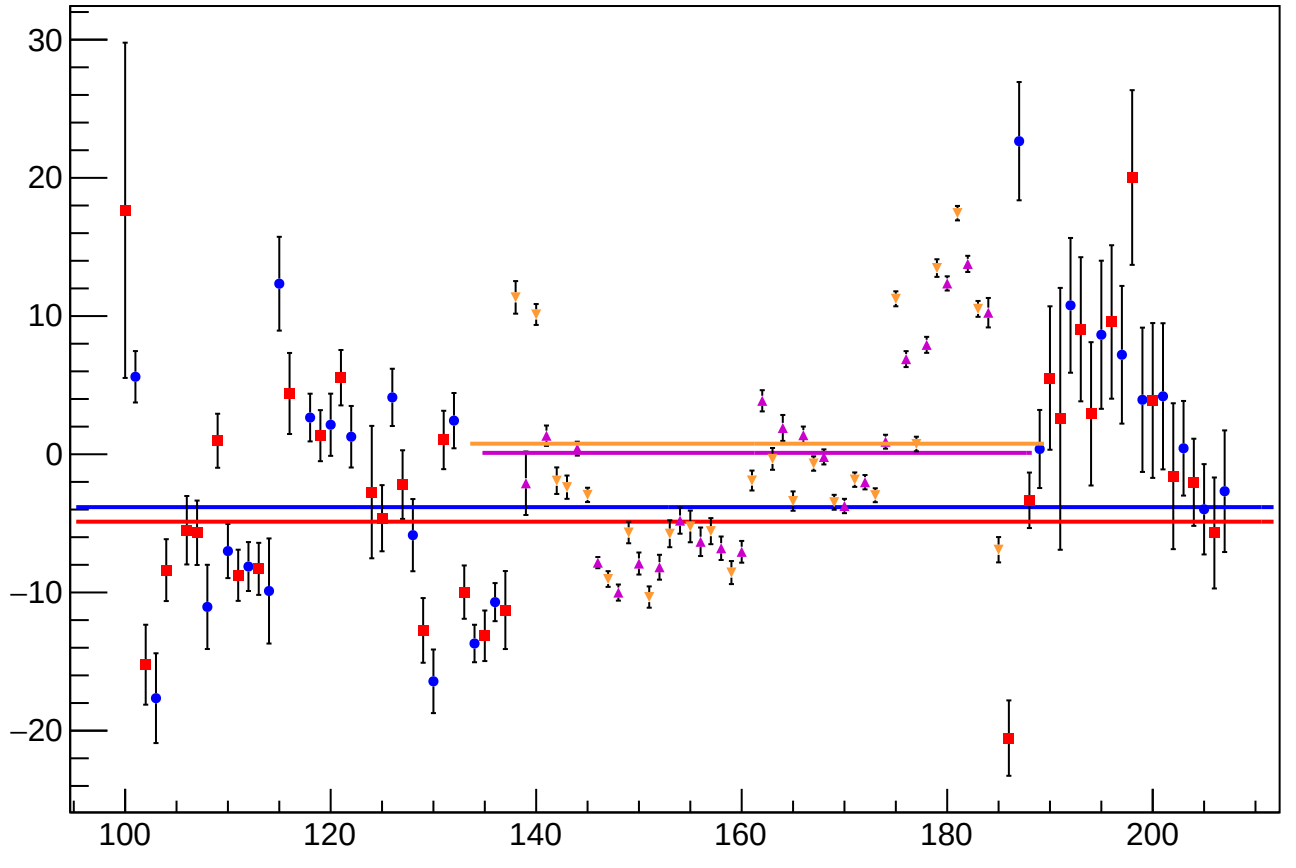
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -32.598+/-0.289 χ^2/NDF: 4606.5/56

In: -45.911+/-0.158 χ^2/NDF:9762.6/48

Out: -46.150+/-0.154 χ^2/NDF:13562.4/55

All: -46.033+/-0.110 χ^2/NDF: 23326.2/104



Right In: -3.825+/-0.474 χ^2/NDF: 308.4/25

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.878+/-0.475 χ^2/NDF: 210.5/30

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

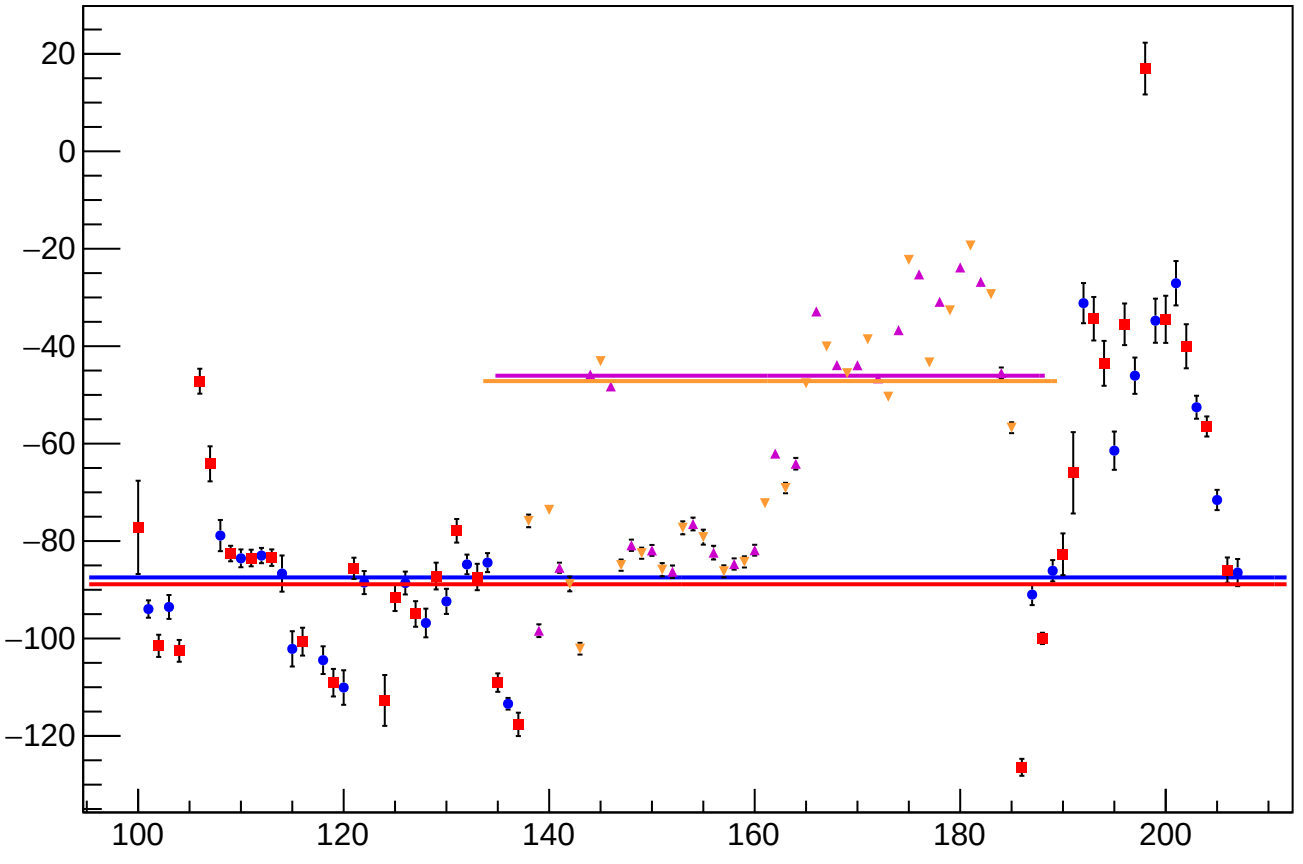
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.351+/-0.335 χ^2/NDF: 521.3/56

In: -0.185+/-0.128 χ^2/NDF:3093.8/48

Out: 0.358+/-0.127 χ^2/NDF:3808.9/55

All: 0.088+/-0.090 χ^2/NDF: 6911.8/104



Right In: -87.462+/-0.460 χ^2/NDF: 1566.5/25

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

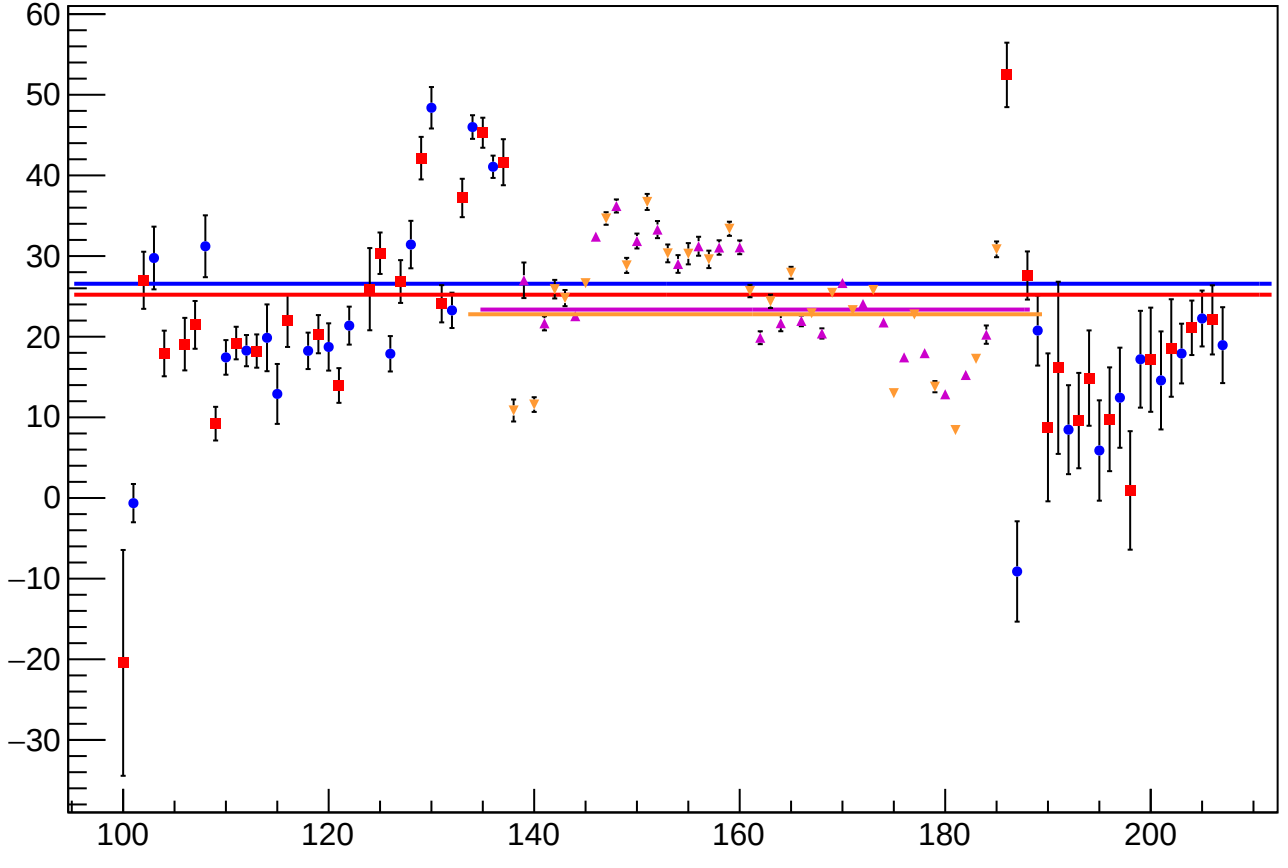
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -88.198+/-0.317 χ^2/NDF: 4223.7/56

In: -51.041+/-0.160 χ^2/NDF:23462.2/48

Out: -52.478+/-0.157 χ^2/NDF:28200.0/55

All: -51.774+/-0.112 χ^2/NDF: 51703.5/104



Right In: 26.566+/-0.534 χ^2/NDF: 667.7/25

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

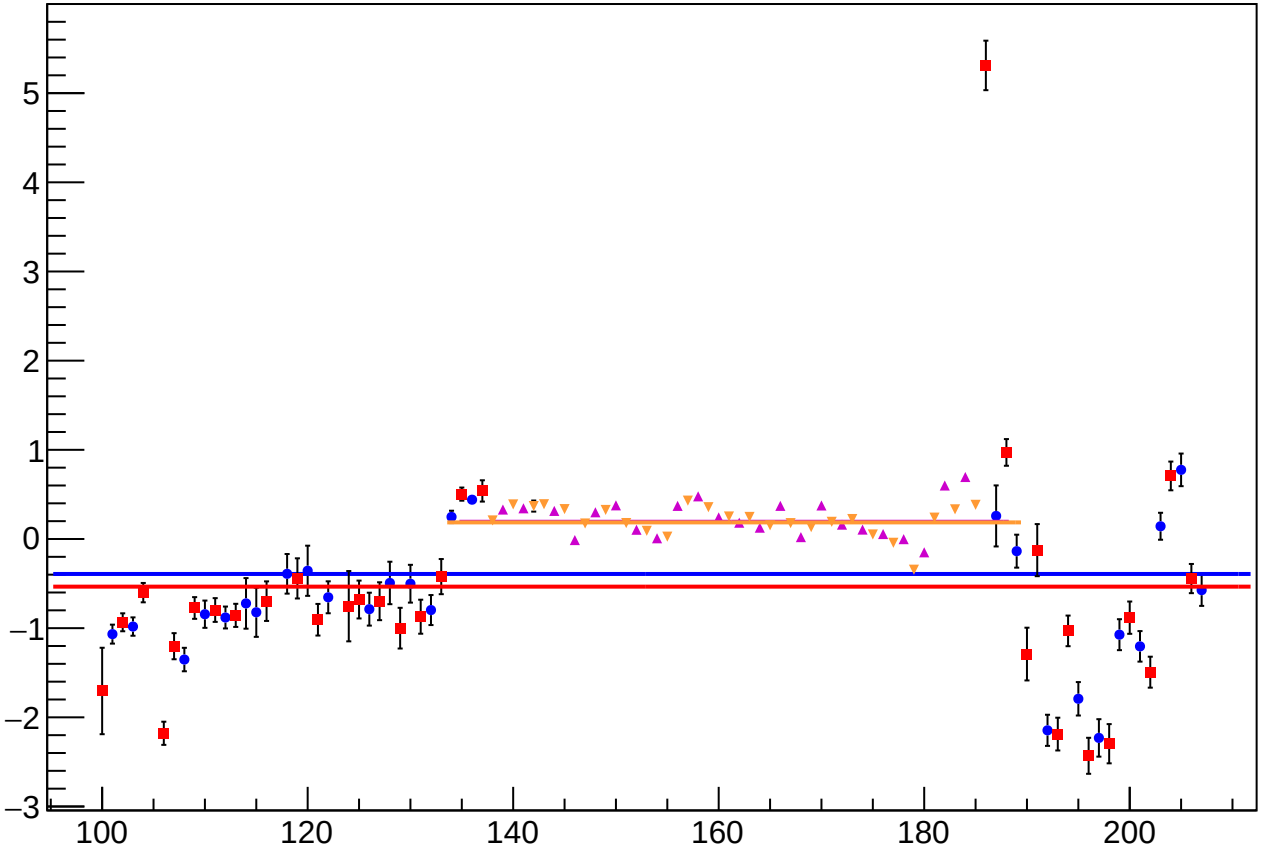
Right: 25.902+/-0.382 χ^2/NDF: 1108.2/56

In: 23.596+/-0.143 χ^2/NDF:2486.4/48

Out: 22.947+/-0.142 χ^2/NDF:2868.7/55

All: 23.269+/-0.101 χ^2/NDF: 5365.5/104

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.392+/-0.027 χ^2/NDF: 800.9/25

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

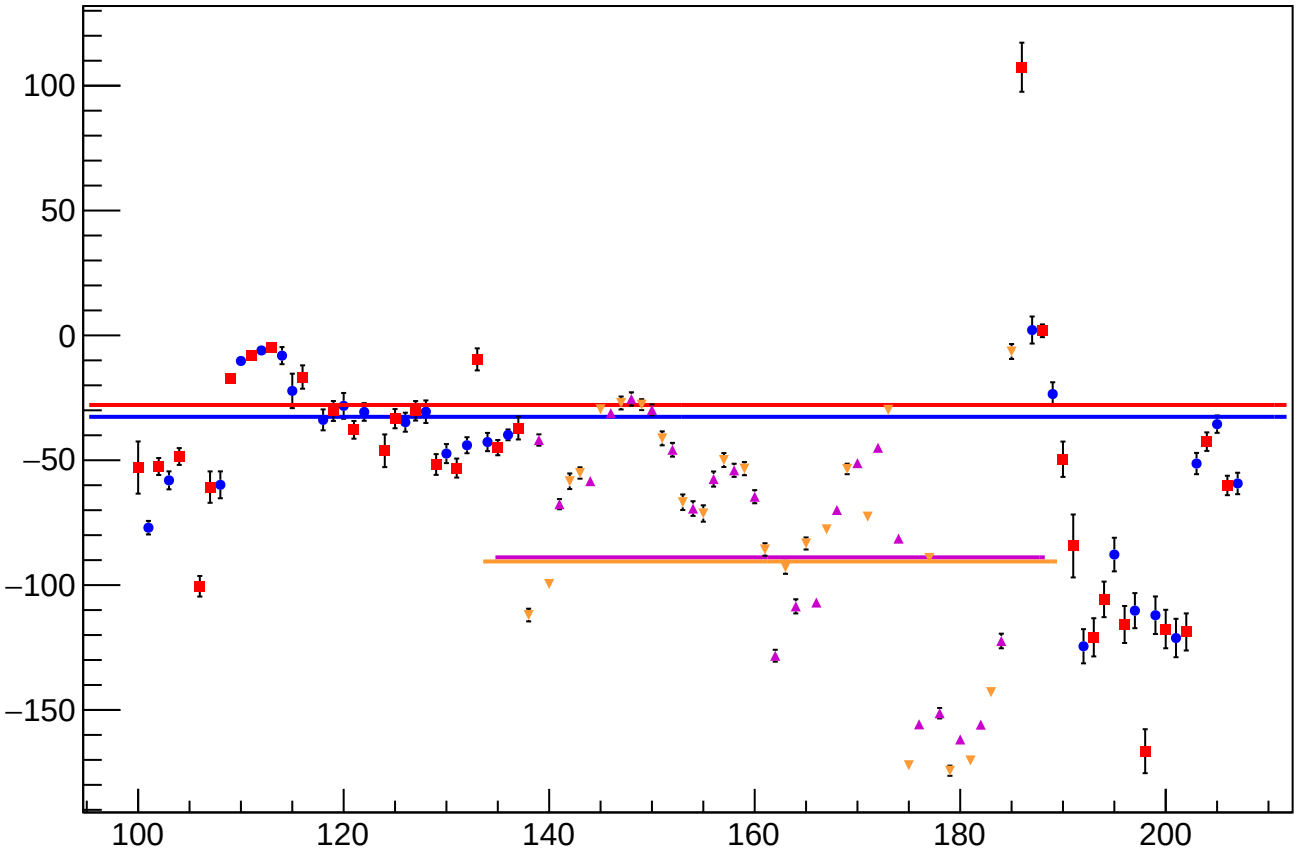
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.460+/-0.020 χ^2/NDF: 2213.0/56

In: 0.160+/-0.006 χ^2/NDF:2178.6/48

Out: 0.149+/-0.006 χ^2/NDF:2663.0/55

All: 0.154+/-0.005 χ^2/NDF: 4843.0/104



Right In: -32.612+/-0.665 χ^2/NDF: 1652.4/25

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

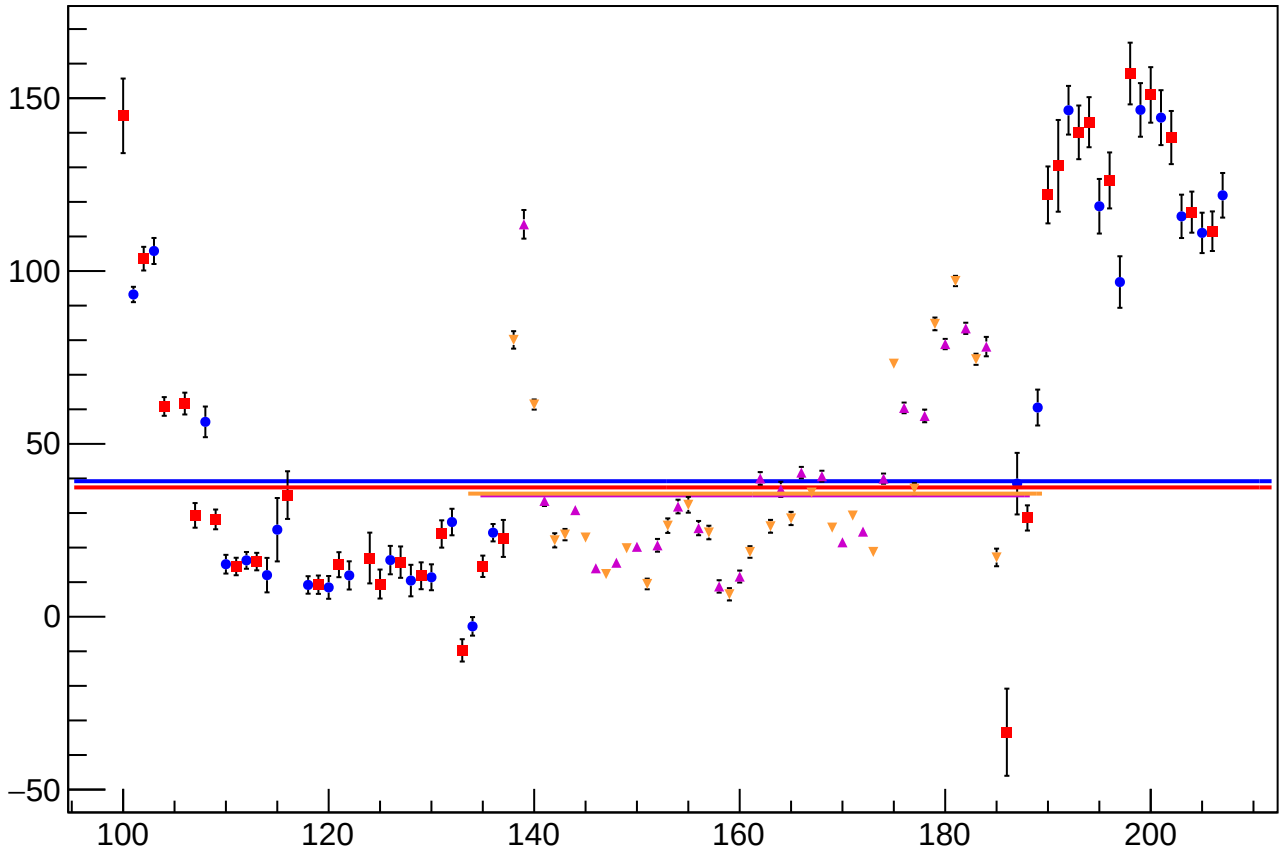
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -30.022+/-0.449 χ^2/NDF: 4075.7/56

In: -72.067+/-0.364 χ^2/NDF:18482.0/48

Out: -70.194+/-0.346 χ^2/NDF:24936.6/55

All: -71.084+/-0.251 χ^2/NDF: 43432.6/104



Right In: 39.204+/-0.756 χ^2/NDF: 3049.5/25

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

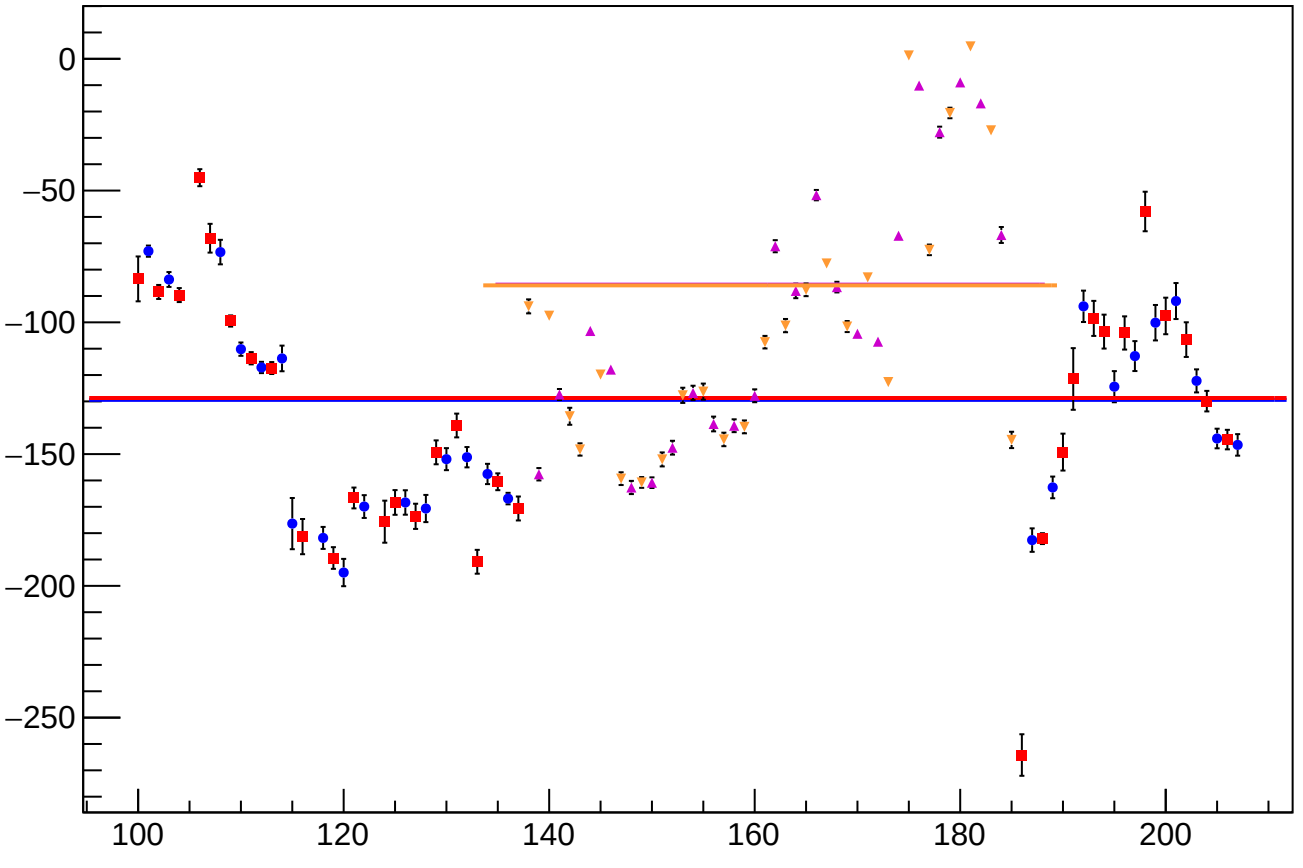
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 38.286+/-0.528 χ^2/NDF: 5985.1/56

In: 35.788+/-0.307 χ^2/NDF:7218.4/48

Out: 35.904+/-0.298 χ^2/NDF:8910.7/55

All: 35.848+/-0.214 χ^2/NDF: 16129.2/104



Right In: -129.421+/-0.729 χ^2/NDF: 2523.0/25

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

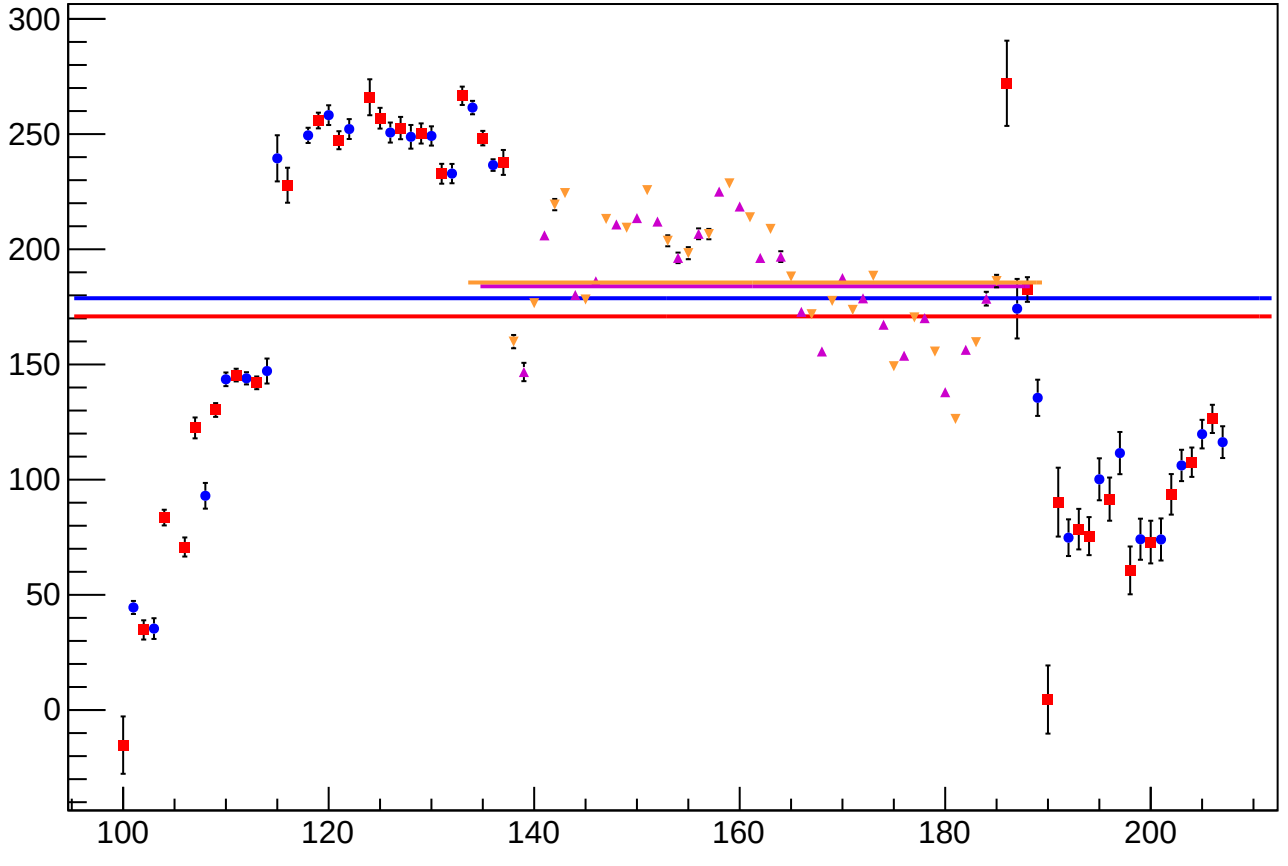
Right: -129.046+/-0.500 χ^2/NDF: 6176.0/56

In: -97.074+/-0.372 χ^2/NDF:18938.9/48

Out: -97.647+/-0.359 χ^2/NDF:22704.1/55

All: -97.371+/-0.258 χ^2/NDF: 41644.2/104

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 178.753+/-0.863 χ^2/NDF: 8106.7/25

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

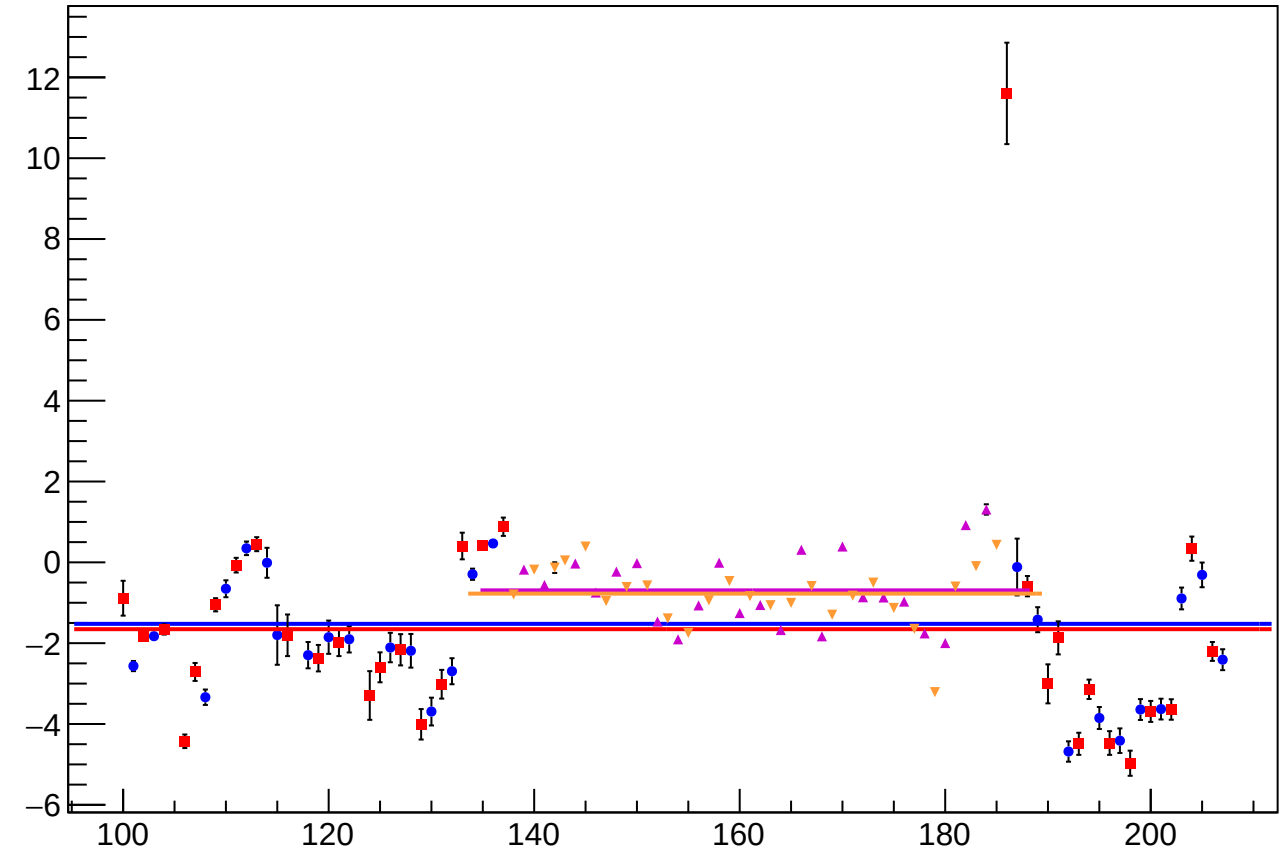
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 174.750+/-0.606 χ^2/NDF: 15856.2/56

In: 183.107+/-0.346 χ^2/NDF:12010.5/48

Out: 183.275+/-0.337 χ^2/NDF:13314.4/55

All: 183.193+/-0.241 χ^2/NDF: 25325.0/104



Right In: -1.522+/-0.042 χ^2/NDF: 1342.0/25

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.654+/-0.041 χ^2/NDF: 1719.1/30

Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

Left: -0.735+/-0.012 χ^2/NDF: 4399.9/47

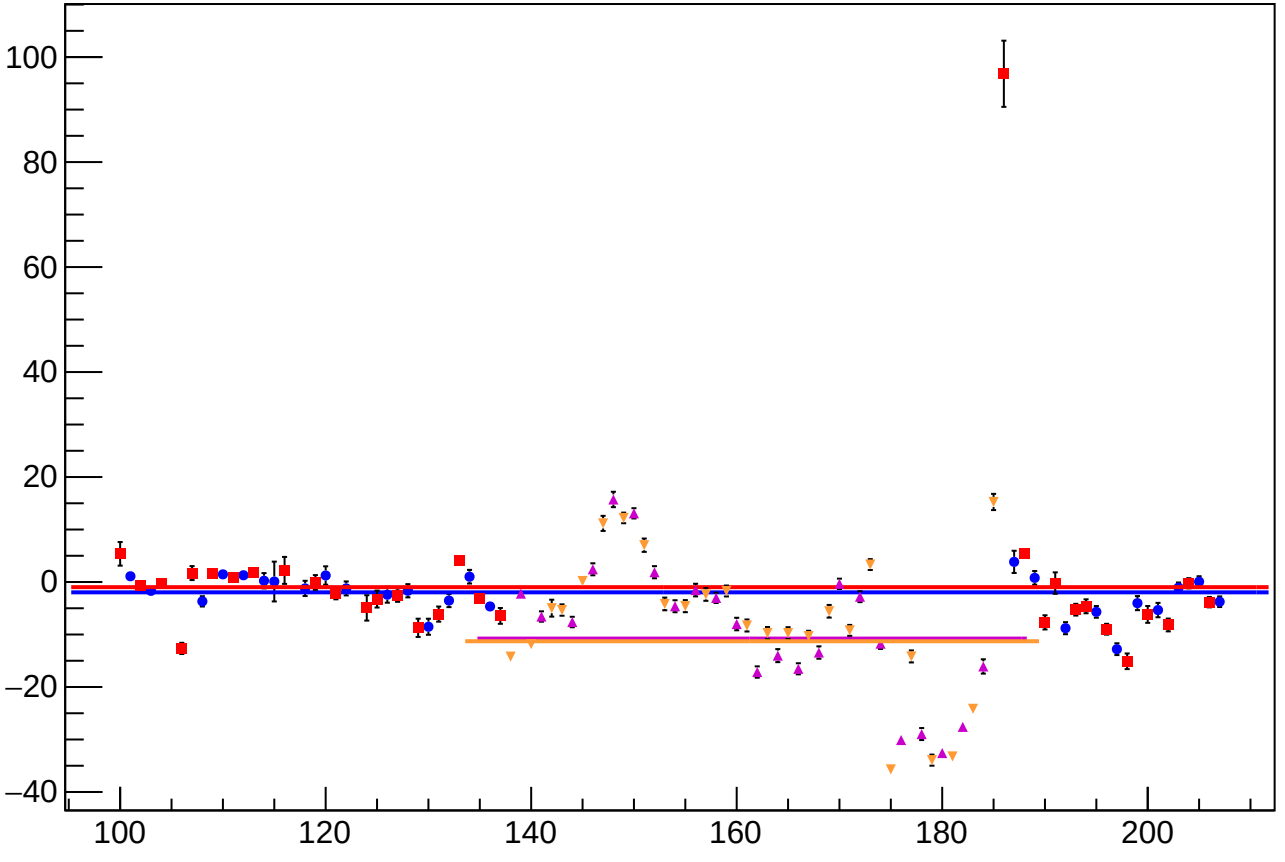
Right: -1.589+/-0.030 χ^2/NDF: 3066.1/56

In: -0.806+/-0.016 χ^2/NDF:4236.9/48

Out: -0.894+/-0.015 χ^2/NDF:3932.2/55

All: -0.851+/-0.011 χ^2/NDF: 8185.4/104

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.968+/-0.209 χ^2/NDF: 286.3/25

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

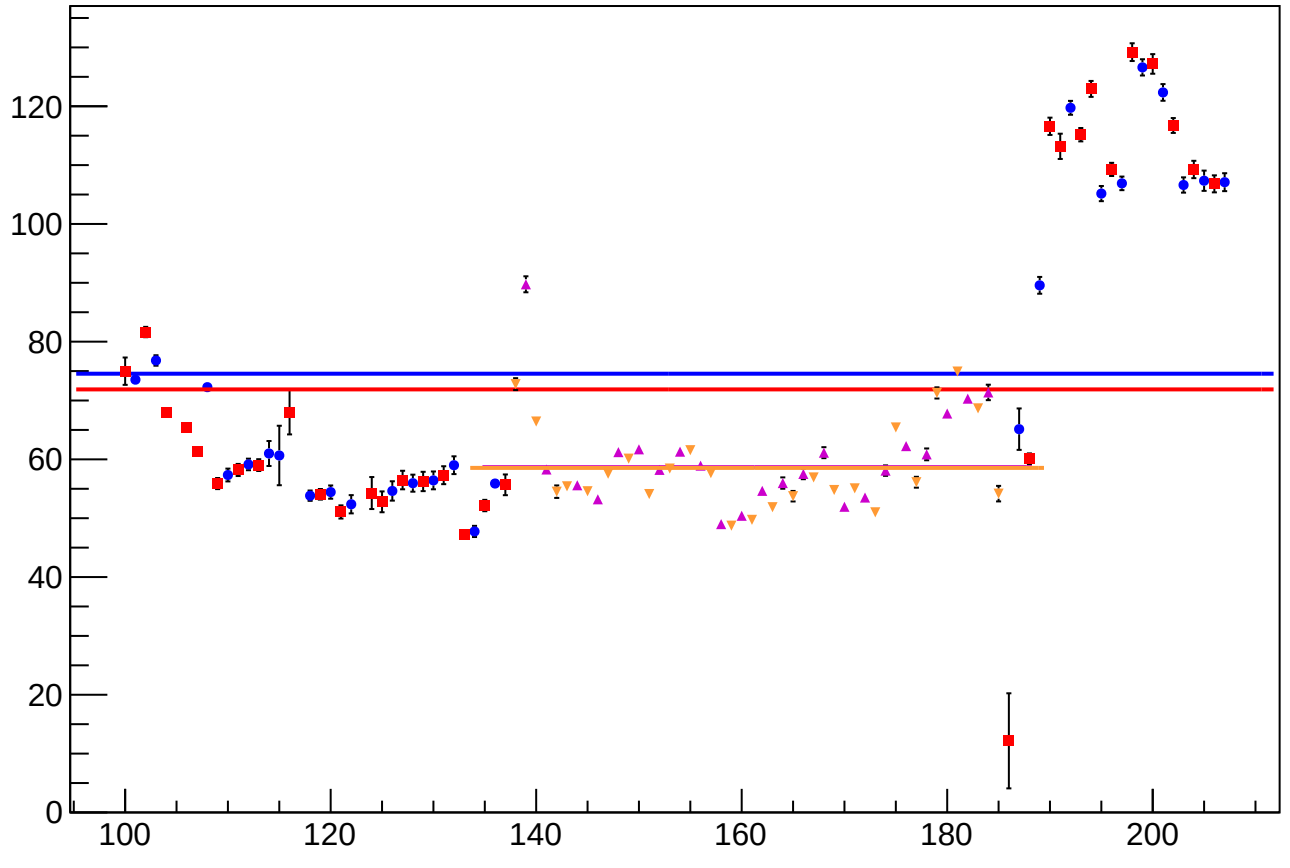
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.413+/-0.139 χ^2/NDF: 1189.3/56

In: -6.290+/-0.149 χ^2/NDF:4853.4/48

Out: -5.524+/-0.138 χ^2/NDF:6762.5/55

All: -5.877+/-0.101 χ^2/NDF: 11630.0/104



Right In: 74.554+/-0.228 χ^2/NDF: 10425.1/25

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

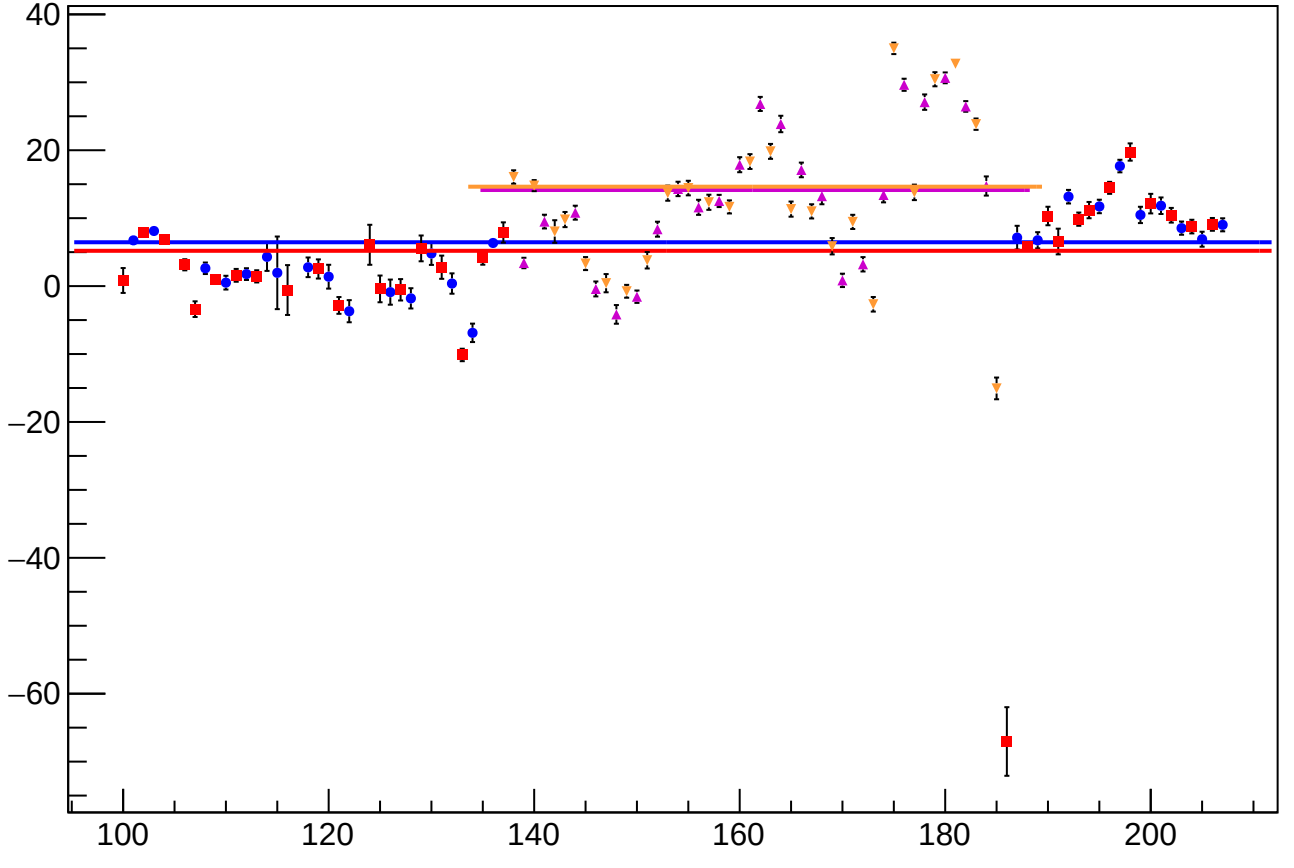
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 73.097+/-0.154 χ^2/NDF: 25150.9/56

In: 64.278+/-0.135 χ^2/NDF:15174.3/48

Out: 63.559+/-0.127 χ^2/NDF:19125.4/55

All: 63.896+/-0.093 χ^2/NDF: 34314.7/104



Right In: 6.455+/-0.210 χ^2/NDF: 569.5/25

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

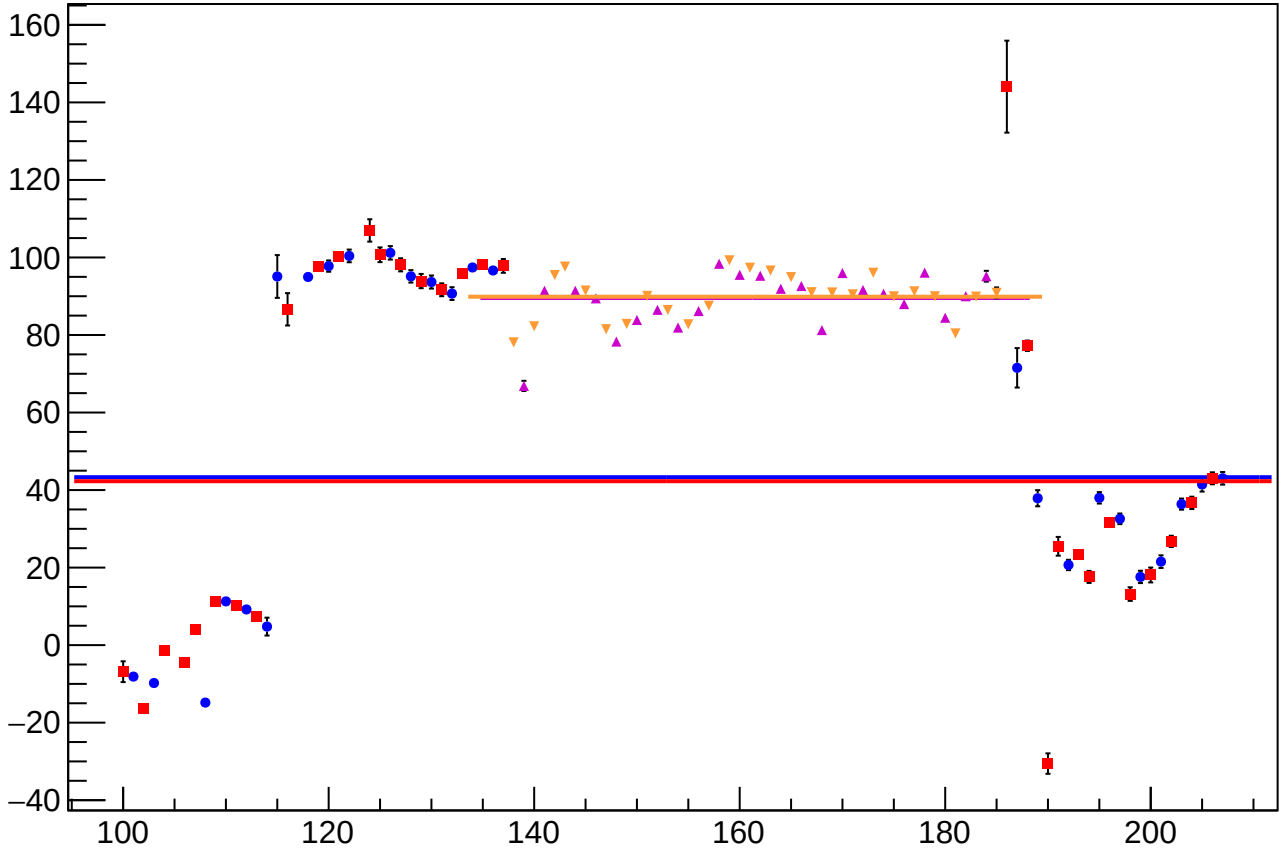
Right: 5.756+/-0.140 χ^2/NDF: 1689.7/56

In: 10.270+/-0.149 χ^2/NDF:3778.5/48

Out: 9.460+/-0.139 χ^2/NDF:5205.3/55

All: 9.837+/-0.102 χ^2/NDF: 8999.6/104

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.314+/-0.264 χ^2/NDF: 27932.0/25

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

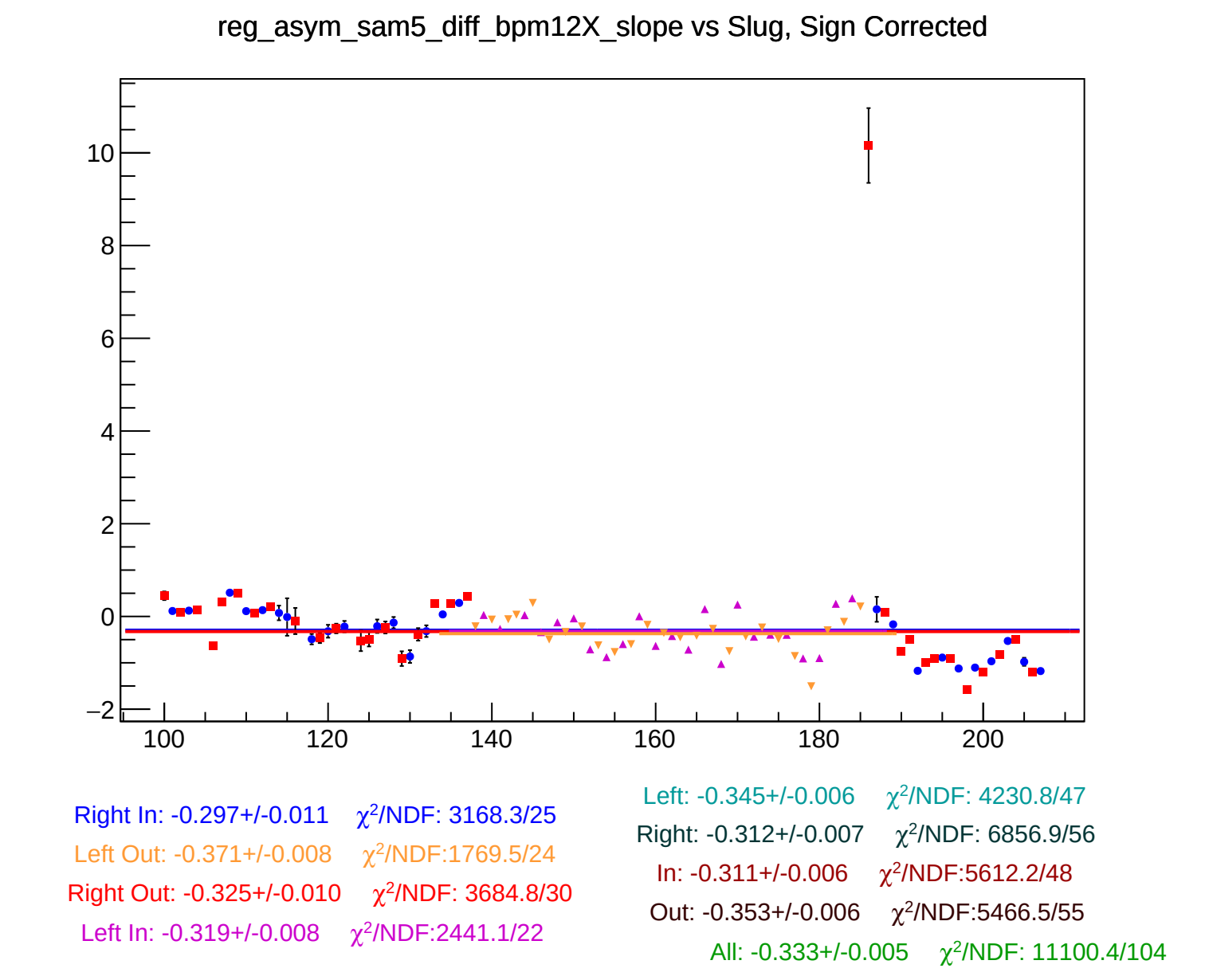
Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

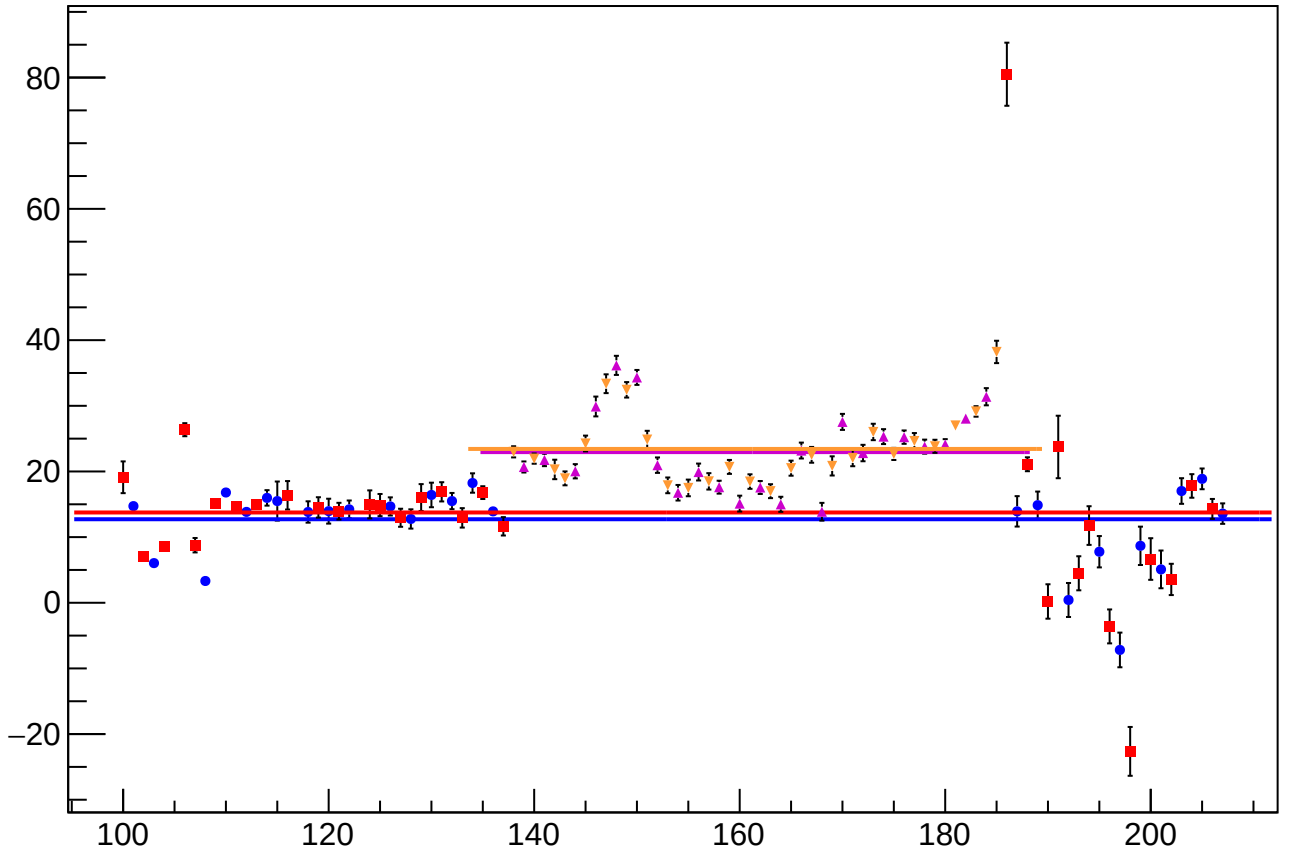
Right: 42.759+/-0.179 χ^2/NDF: 59677.4/56

In: 74.073+/-0.153 χ^2/NDF:49359.7/48

Out: 73.011+/-0.145 χ^2/NDF:57293.9/55

All: 73.515+/-0.105 χ^2/NDF: 106678.9/104


reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected
10
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.297+/-0.011 χ²/NDF: 3168.3/25
Left Out: -0.371+/-0.008 χ²/NDF:1769.5/24
Right Out: -0.325+/-0.010 χ²/NDF: 3684.8/30
Left In: -0.319+/-0.008 χ²/NDF:2441.1/22
Left: -0.345+/-0.006 χ²/NDF: 4230.8/47
Right: -0.312+/-0.007 χ²/NDF: 6856.9/56
In: -0.311+/-0.006 χ²/NDF:5612.2/48
Out: -0.353+/-0.006 χ²/NDF:5466.5/55
All: -0.333+/-0.005 χ²/NDF: 11100.4/104



Right In: 12.723+/-0.204 χ^2/NDF: 502.6/25

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

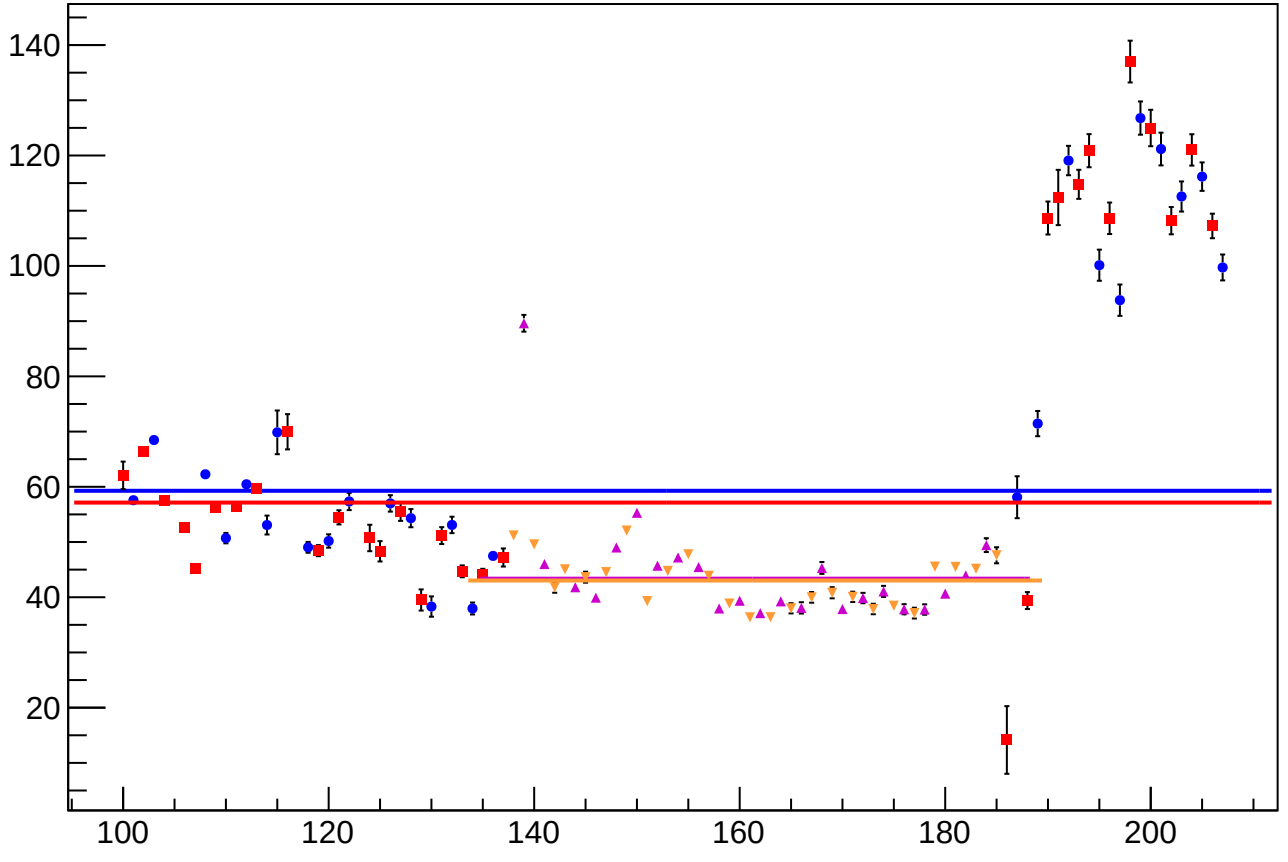
Right: 13.264+/-0.140 χ^2/NDF: 1374.6/56

In: 17.328+/-0.151 χ^2/NDF:2199.5/48

Out: 18.072+/-0.144 χ^2/NDF:2399.8/55

All: 17.718+/-0.104 χ^2/NDF: 4611.9/104

reg_asym_sam6_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 59.278+/-0.215 χ^2/NDF: 4248.6/25

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 57.144+/-0.216 χ^2/NDF: 5353.8/30

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

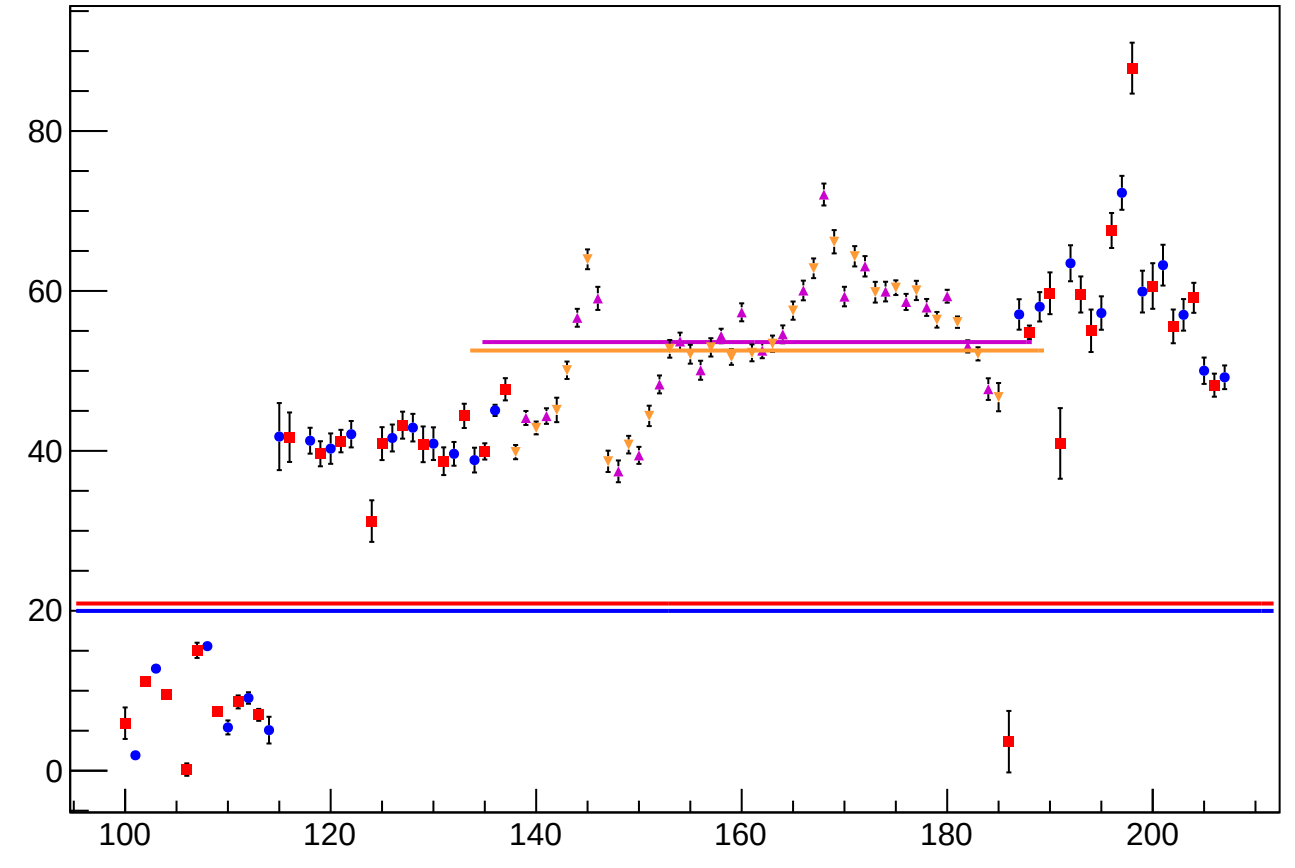
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 58.215+/-0.152 χ^2/NDF: 9651.5/56

In: 49.799+/-0.137 χ^2/NDF:9200.5/48

Out: 48.327+/-0.132 χ^2/NDF:8806.4/55

All: 49.039+/-0.095 χ^2/NDF: 18066.8/104



Right In: 19.983+/-0.202 χ^2/NDF: 9302.6/25

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

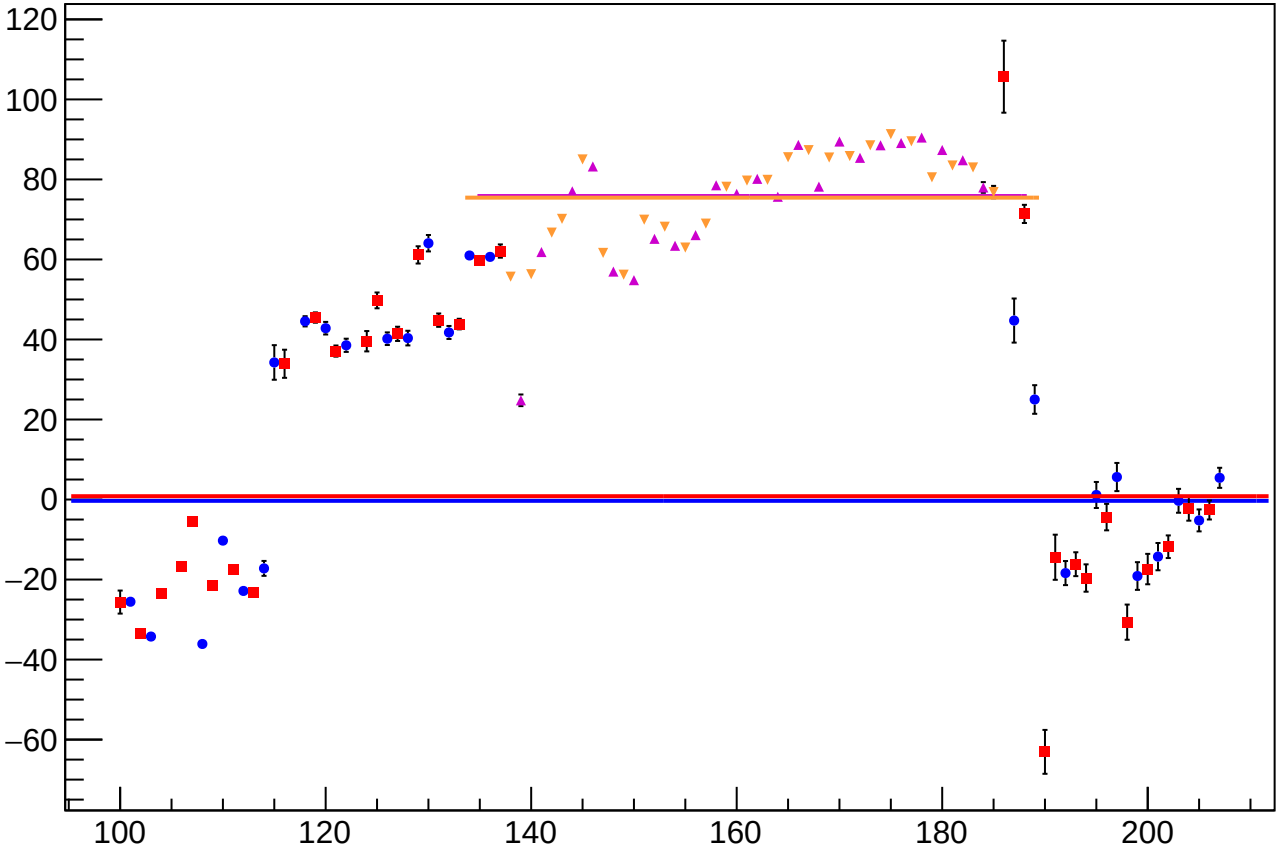
Right: 20.444+/-0.143 χ^2/NDF: 18275.7/56

In: 35.168+/-0.150 χ^2/NDF:22795.0/48

Out: 35.869+/-0.148 χ^2/NDF:21611.6/55

All: 35.524+/-0.105 χ^2/NDF: 44417.7/104

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.324+/-0.253 χ^2/NDF: 21241.5/25

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

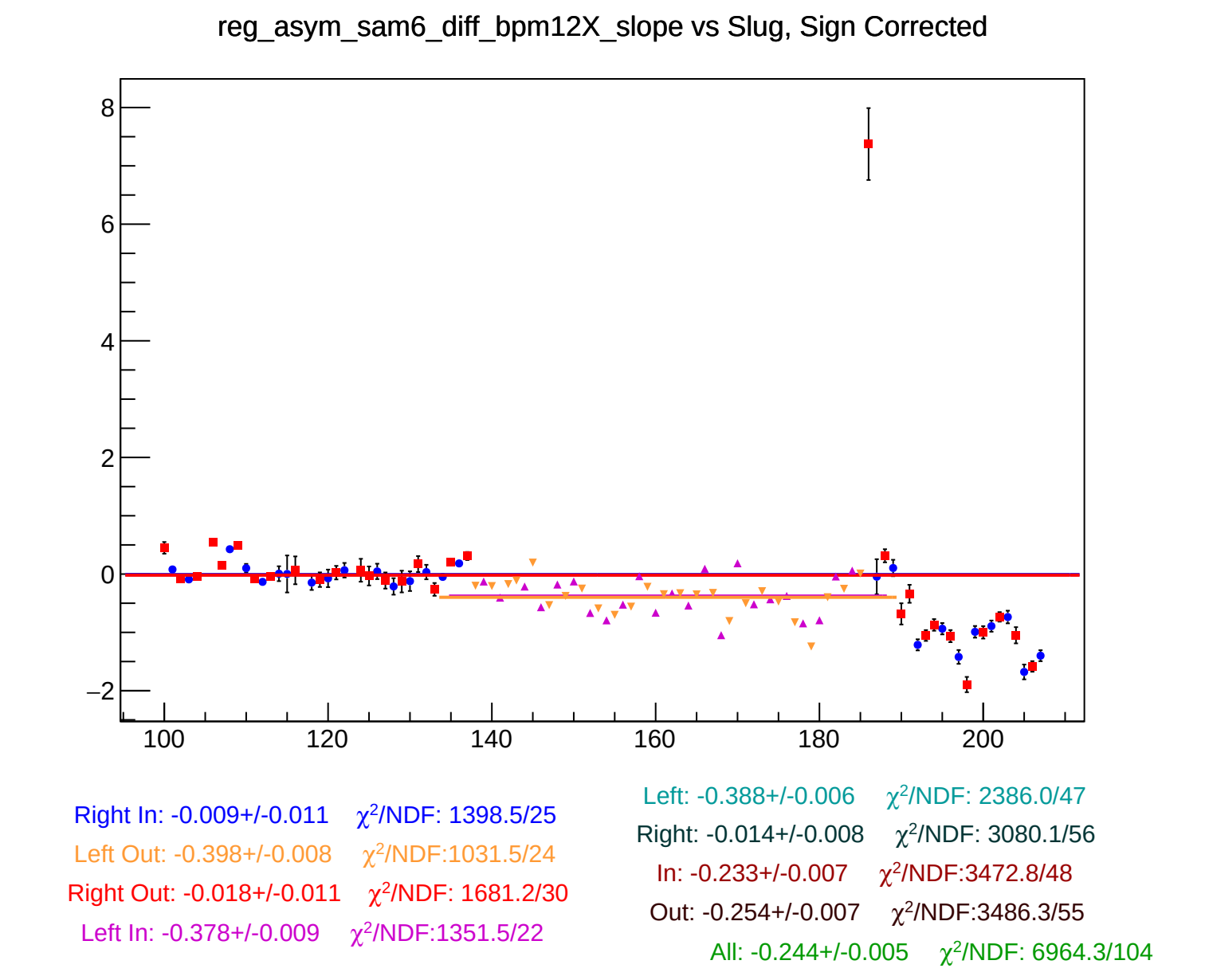
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

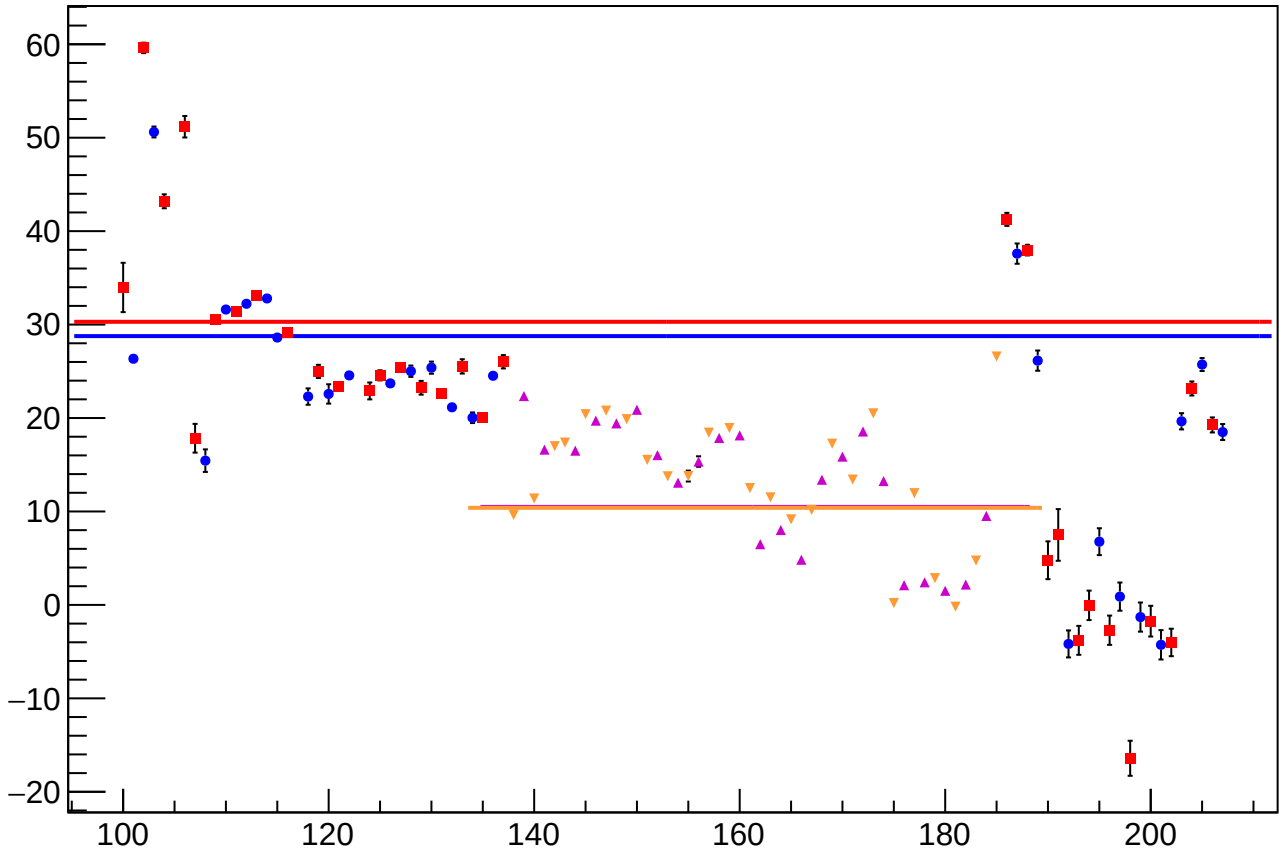
Right: 0.250+/-0.179 χ^2/NDF: 38692.4/56

In: 47.067+/-0.156 χ^2/NDF:81838.3/48

Out: 48.996+/-0.151 χ^2/NDF:76553.2/55

All: 48.059+/-0.108 χ^2/NDF: 158470.4/104


reg_asym_sam6_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.009+/-0.011 χ²/NDF: 1398.5/25
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: -0.018+/-0.011 χ²/NDF: 1681.2/30
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: -0.014+/-0.008 χ²/NDF: 3080.1/56
In: -0.233+/-0.007 χ²/NDF:3472.8/48
Out: -0.254+/-0.007 χ²/NDF:3486.3/55
All: -0.244+/-0.005 χ²/NDF: 6964.3/104



Right In: 28.767+/-0.089 χ^2/NDF: 5698.2/25

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

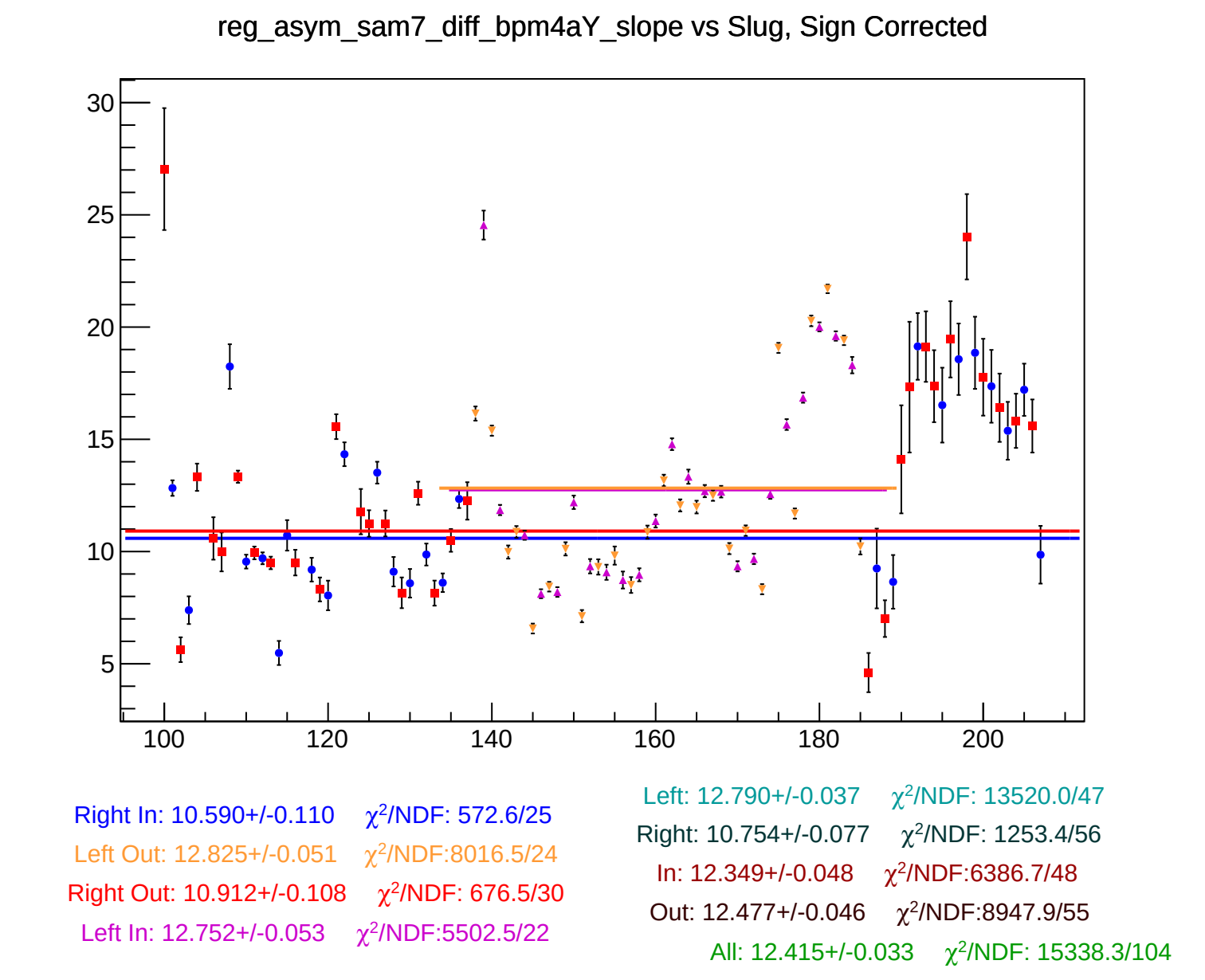
Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

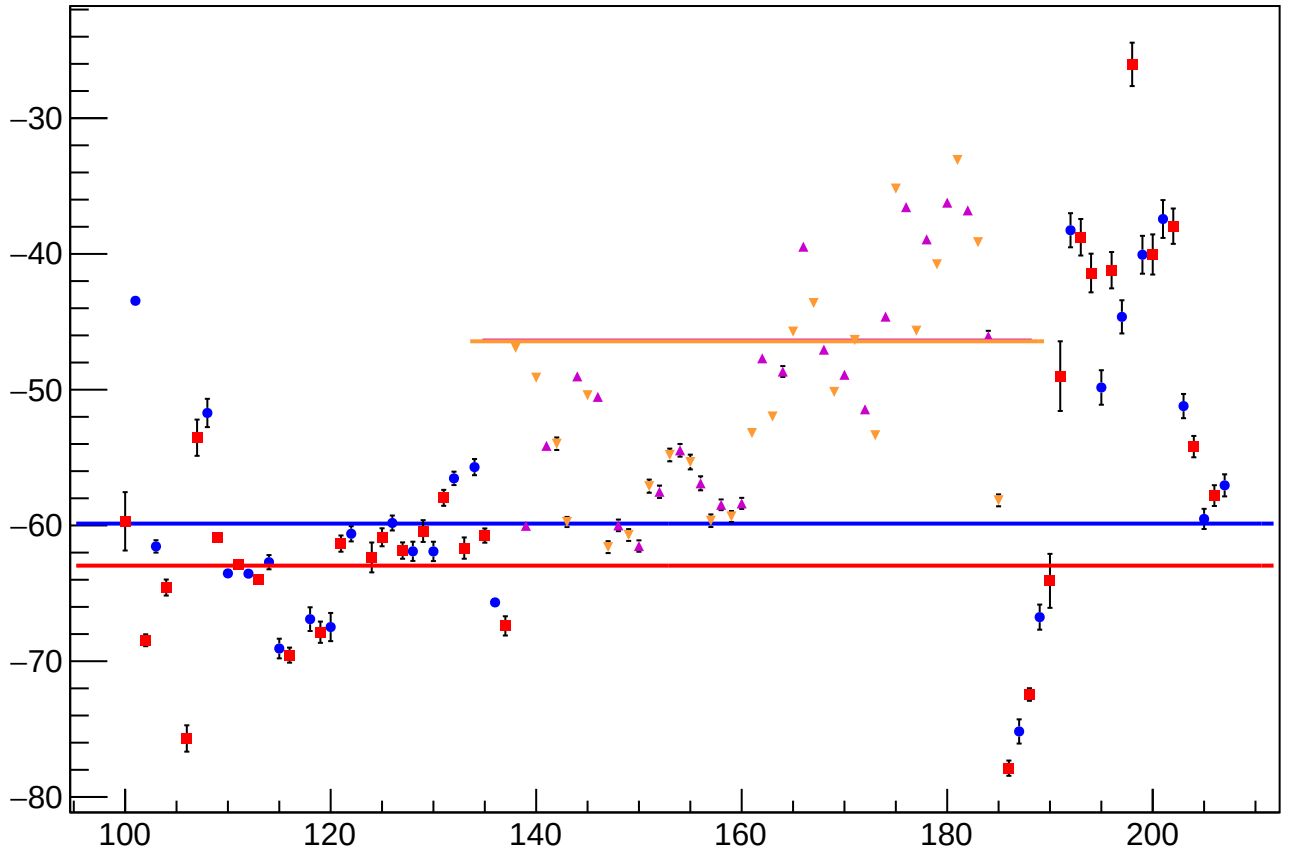
Right: 29.637+/-0.058 χ^2/NDF: 14758.1/56

In: 17.097+/-0.053 χ^2/NDF:44280.8/48

Out: 18.490+/-0.049 χ^2/NDF:61900.7/55

All: 17.847+/-0.036 χ^2/NDF: 106548.7/104


reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
100
120
140
160
180
200
Right In: 10.590+/-0.110 χ²/NDF: 572.6/25
Left Out: 12.825+/-0.051 χ²/NDF:8016.5/24
Right Out: 10.912+/-0.108 χ²/NDF: 676.5/30
Left In: 12.752+/-0.053 χ²/NDF:5502.5/22
Left: 12.790+/-0.037 χ²/NDF: 13520.0/47
Right: 10.754+/-0.077 χ²/NDF: 1253.4/56
In: 12.349+/-0.048 χ²/NDF:6386.7/48
Out: 12.477+/-0.046 χ²/NDF:8947.9/55
All: 12.415+/-0.033 χ²/NDF: 15338.3/104



Right In: -59.864+/-0.106 χ^2/NDF: 5048.4/25

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

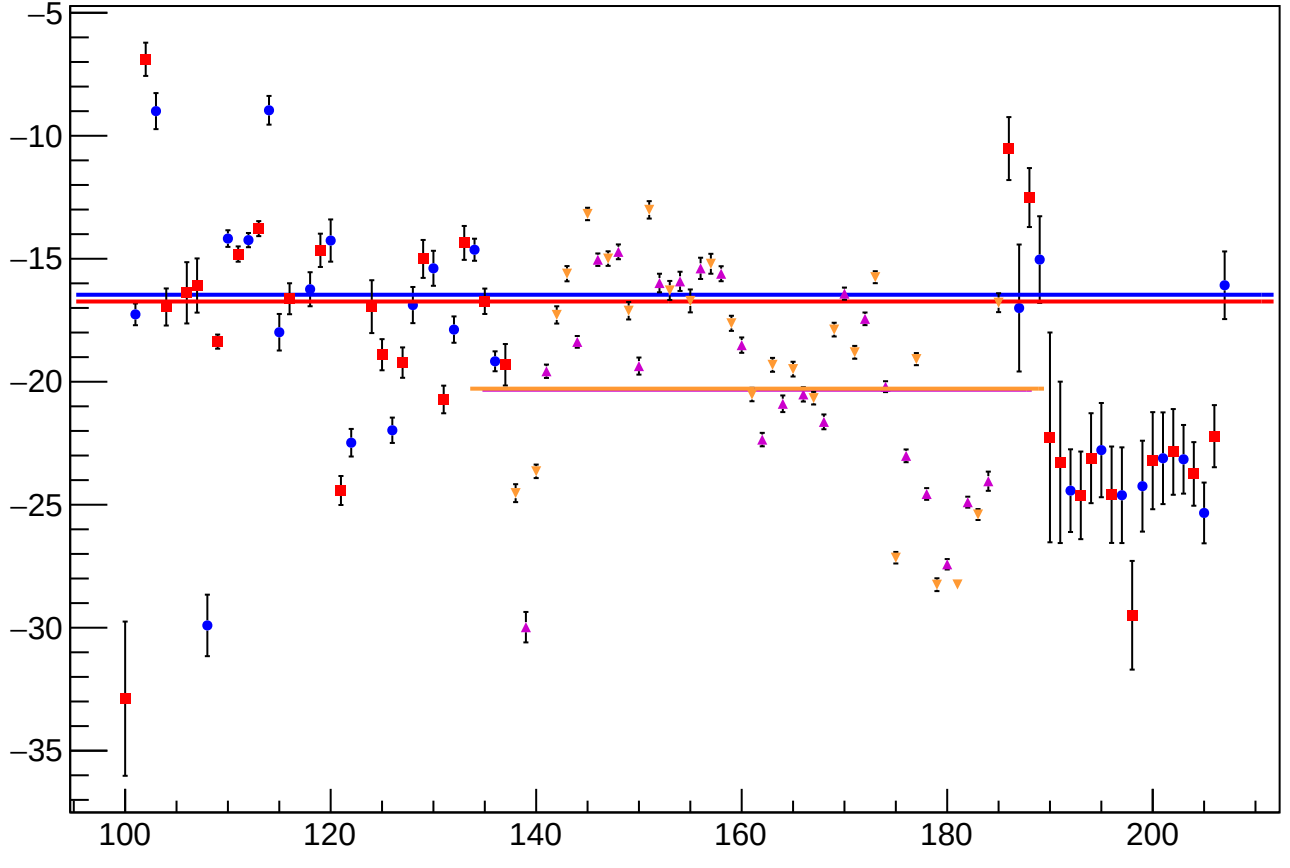
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.520+/-0.073 χ^2/NDF: 9632.0/56

In: -50.192+/-0.057 χ^2/NDF:31637.7/48

Out: -51.335+/-0.054 χ^2/NDF:41808.8/55

All: -50.790+/-0.039 χ^2/NDF: 73659.8/104



Right In: -16.463+/-0.124 χ^2/NDF: 959.9/25

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.738+/-0.121 χ^2/NDF: 882.0/30

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

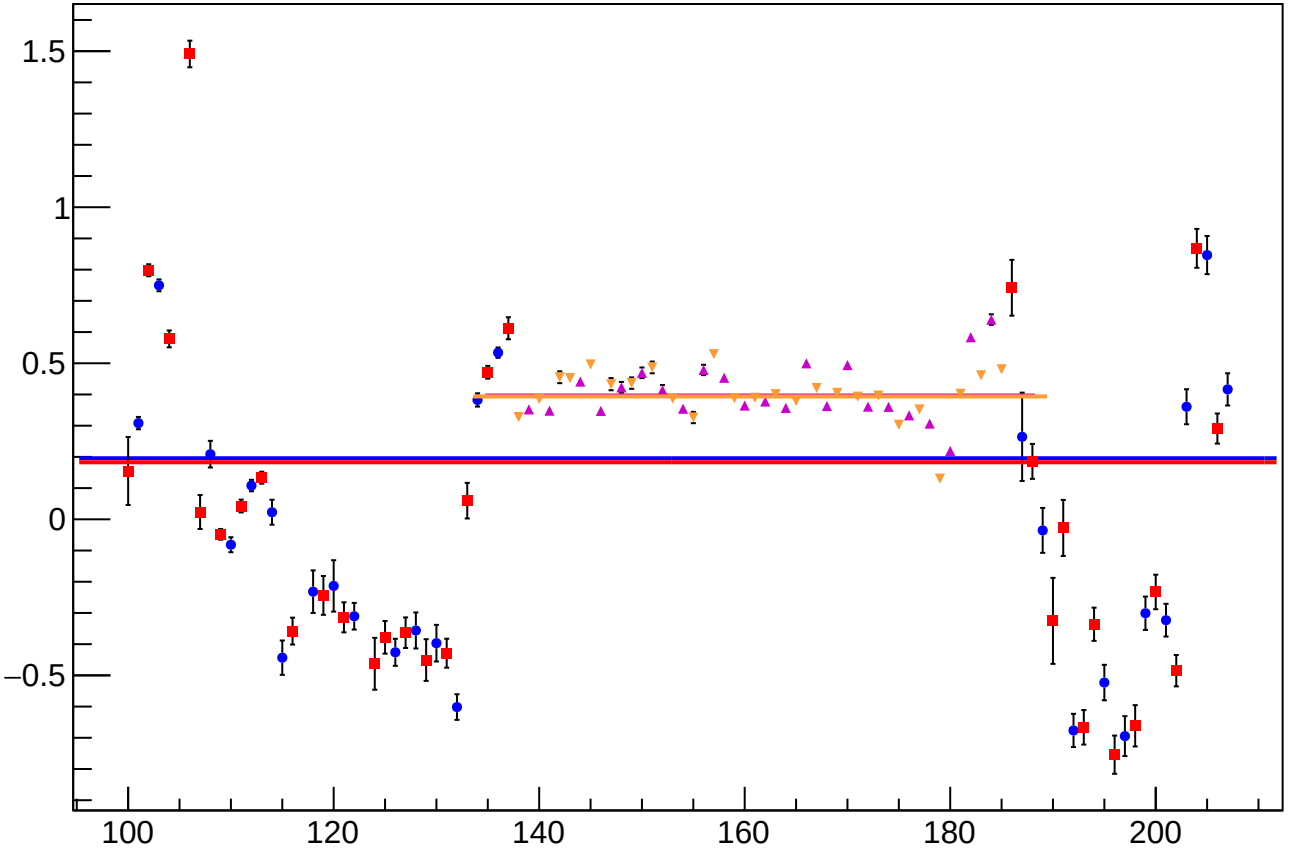
Right: -16.604+/-0.086 χ^2/NDF: 1844.5/56

In: -19.606+/-0.053 χ^2/NDF:6027.2/48

Out: -19.633+/-0.052 χ^2/NDF:8606.6/55

All: -19.620+/-0.037 χ^2/NDF: 14633.8/104

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.196+/-0.007 χ^2/NDF: 3624.9/25

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

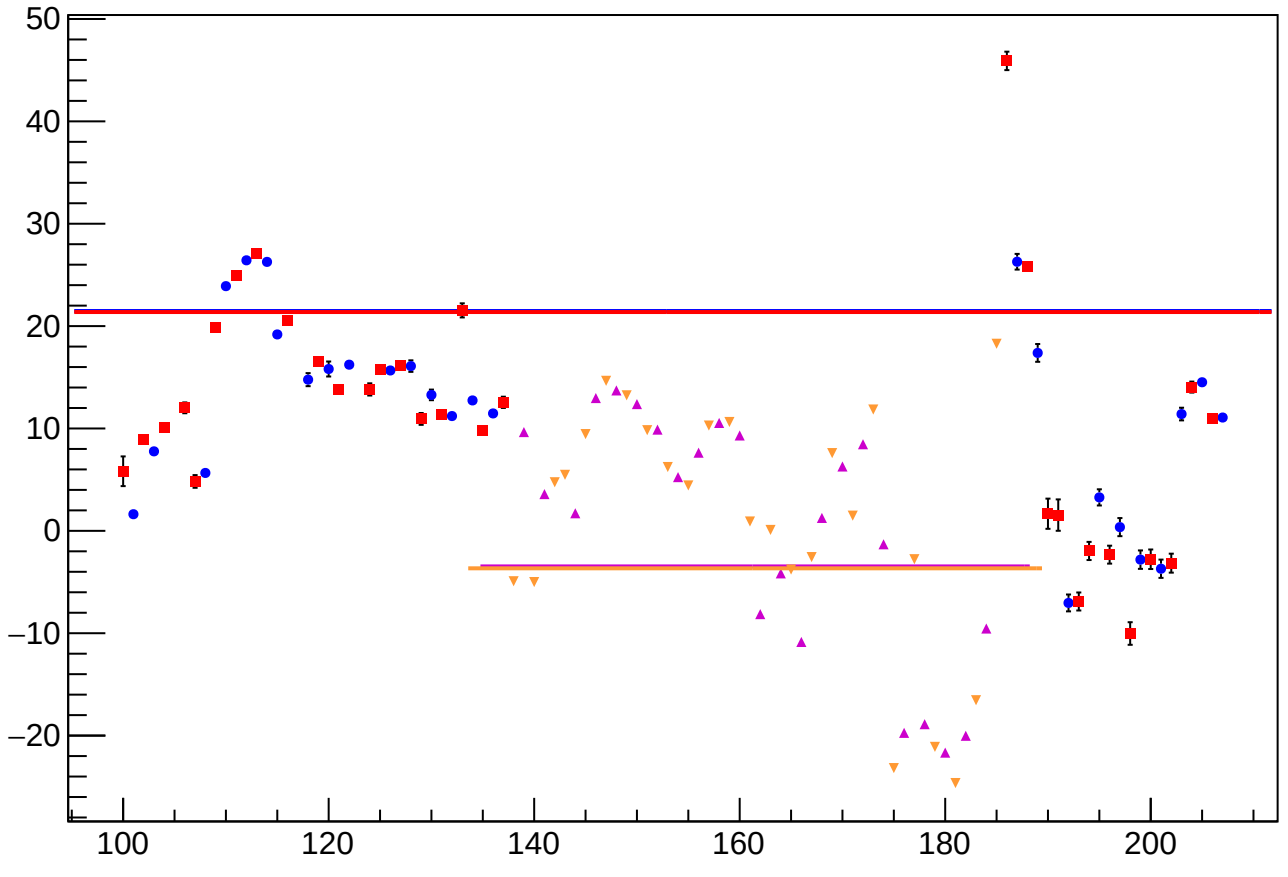
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.189+/-0.005 χ^2/NDF: 8424.0/56

In: 0.369+/-0.002 χ^2/NDF:5718.0/48

Out: 0.366+/-0.002 χ^2/NDF:6637.2/55

All: 0.368+/-0.002 χ^2/NDF: 12356.1/104



Right In: 21.472+/-0.055 χ^2/NDF: 17552.0/25

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

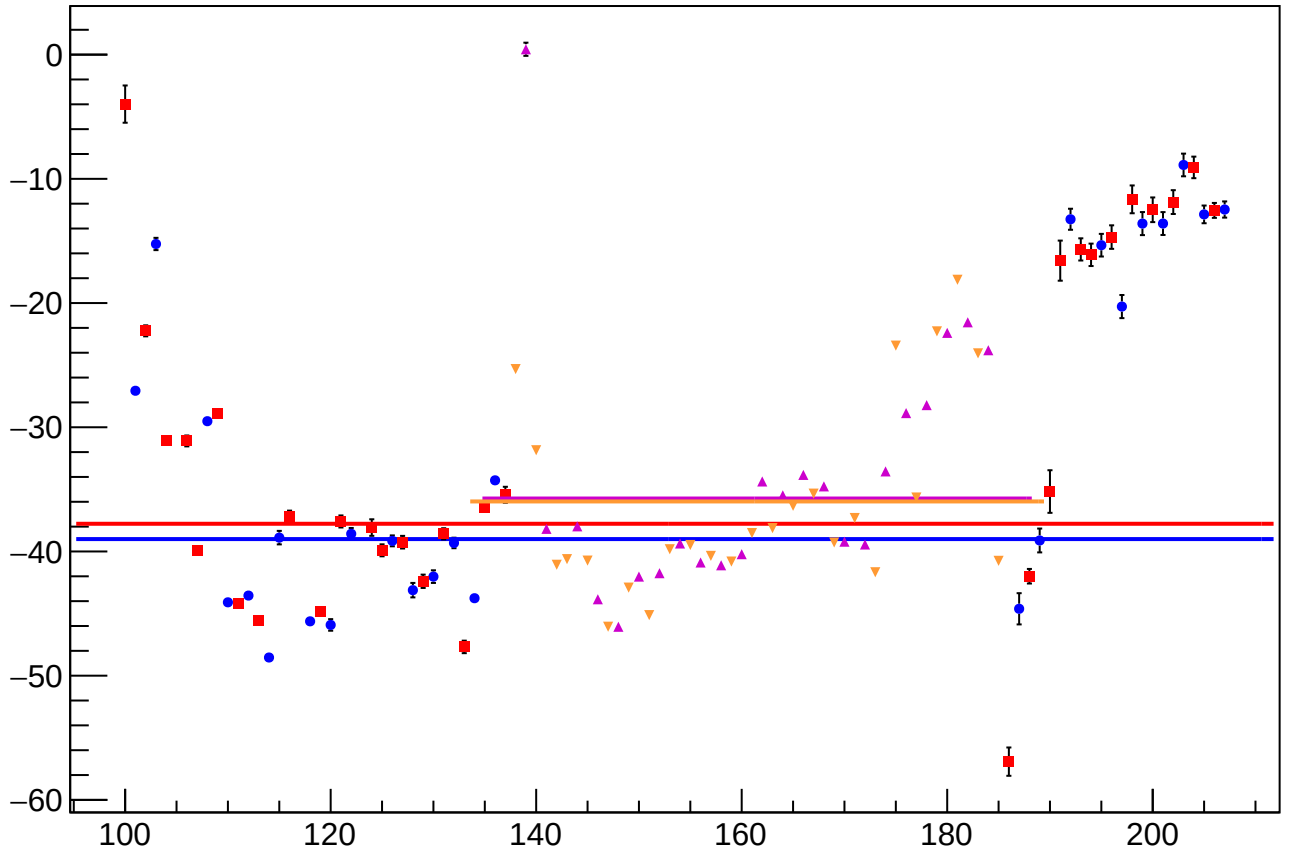
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.414+/-0.035 χ^2/NDF: 35000.7/56

In: 9.628+/-0.040 χ^2/NDF:161822.6/48

Out: 11.202+/-0.035 χ^2/NDF:199282.3/55

All: 10.516+/-0.026 χ^2/NDF: 361997.8/104



Right In: -39.002+/-0.074 χ^2/NDF: 15898.1/25

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.770+/-0.068 χ^2/NDF: 17474.1/30

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

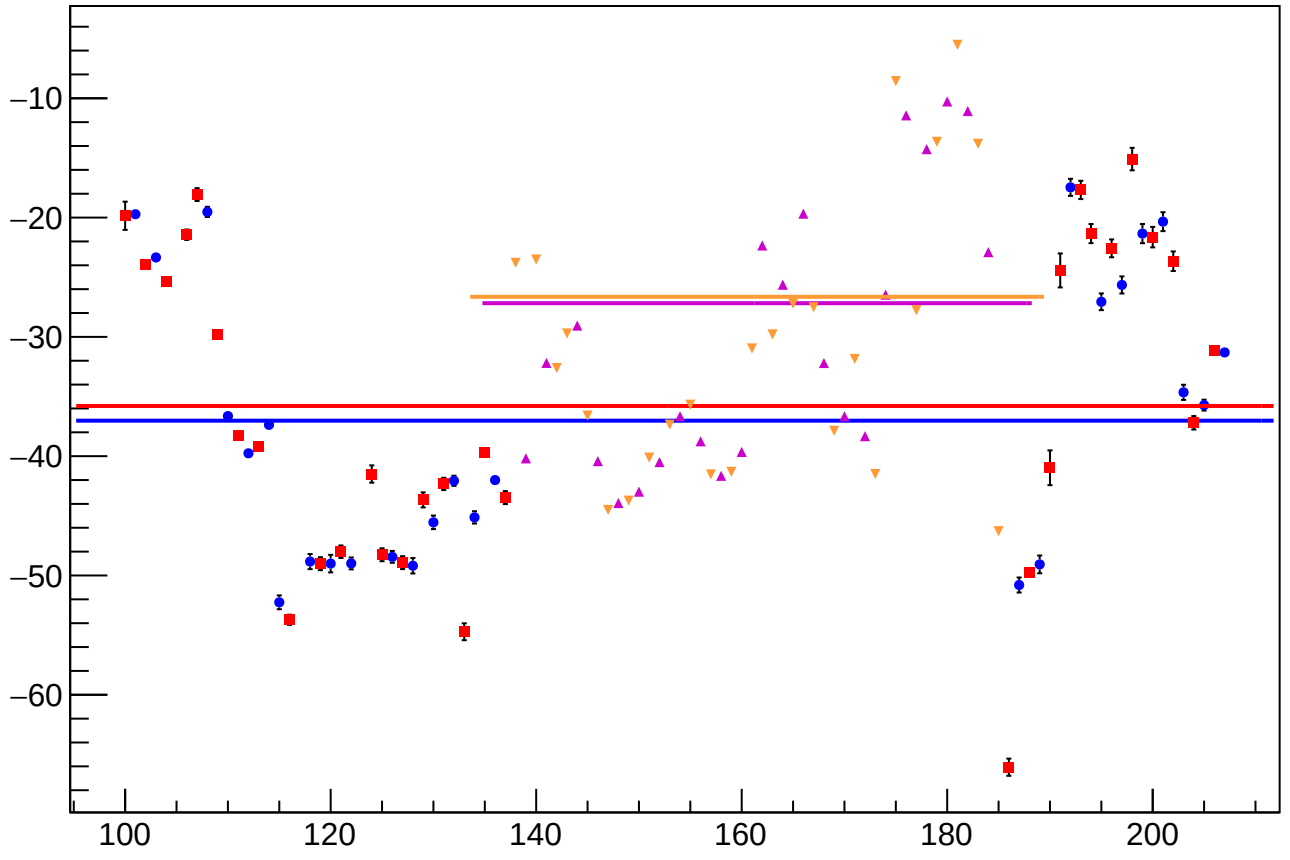
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -38.341+/-0.050 χ^2/NDF: 33522.2/56

In: -36.622+/-0.038 χ^2/NDF:44484.5/48

Out: -36.471+/-0.036 χ^2/NDF:51580.8/55

All: -36.542+/-0.026 χ^2/NDF: 96073.6/104



Right In: -37.025+/-0.069 χ^2/NDF: 13908.7/25

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

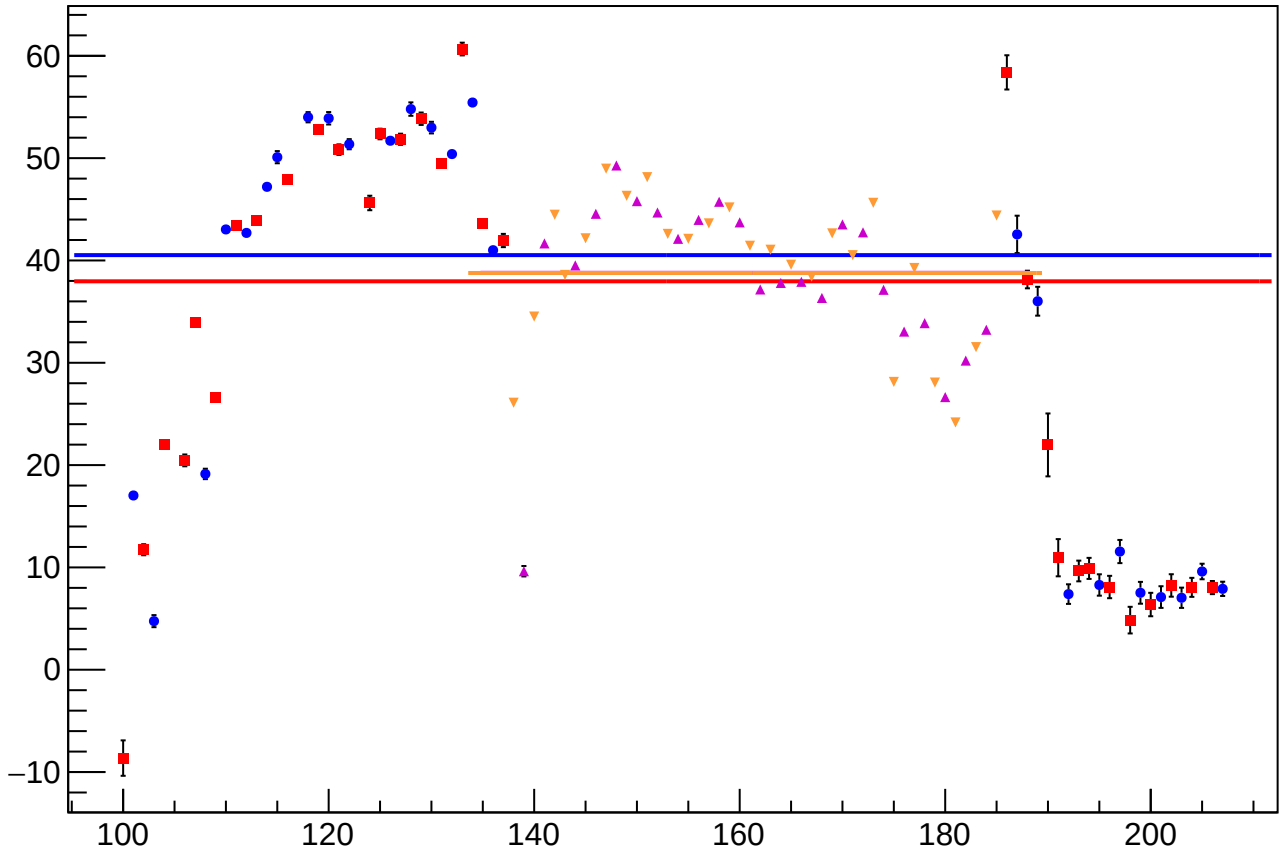
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.329+/-0.046 χ^2/NDF: 33303.6/56

In: -31.194+/-0.044 χ^2/NDF:66983.6/48

Out: -30.740+/-0.041 χ^2/NDF:81860.7/55

All: -30.948+/-0.030 χ^2/NDF: 148901.9/104



Right In: 40.522+/-0.082 χ^2/NDF: 25189.4/25

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

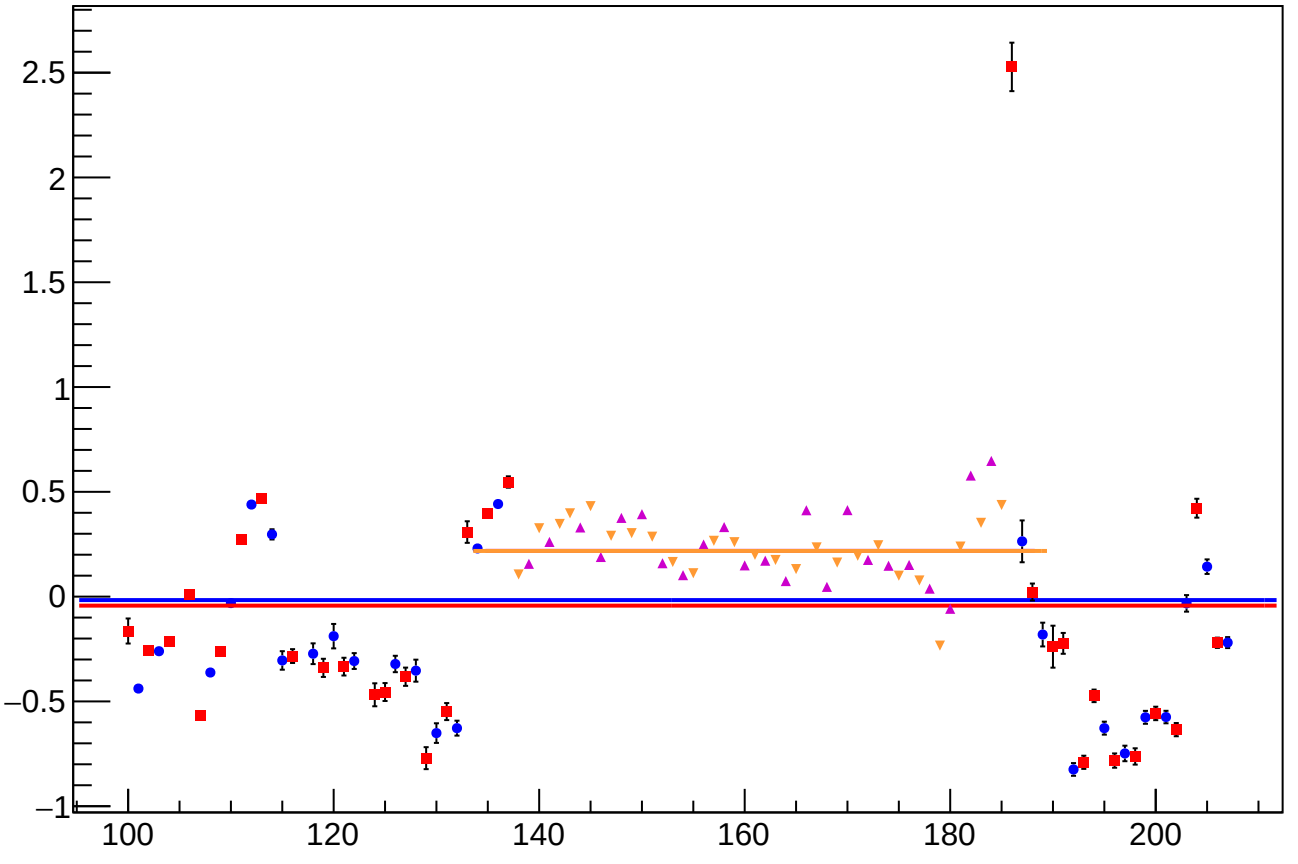
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

Right: 39.139+/-0.056 χ^2/NDF: 52124.4/56

In: 39.262+/-0.043 χ^2/NDF:41753.6/48

Out: 38.546+/-0.040 χ^2/NDF:47563.2/55

All: 38.883+/-0.029 χ^2/NDF: 89465.0/104



Right In: -0.017+/-0.004 χ^2/NDF: 8045.3/25

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

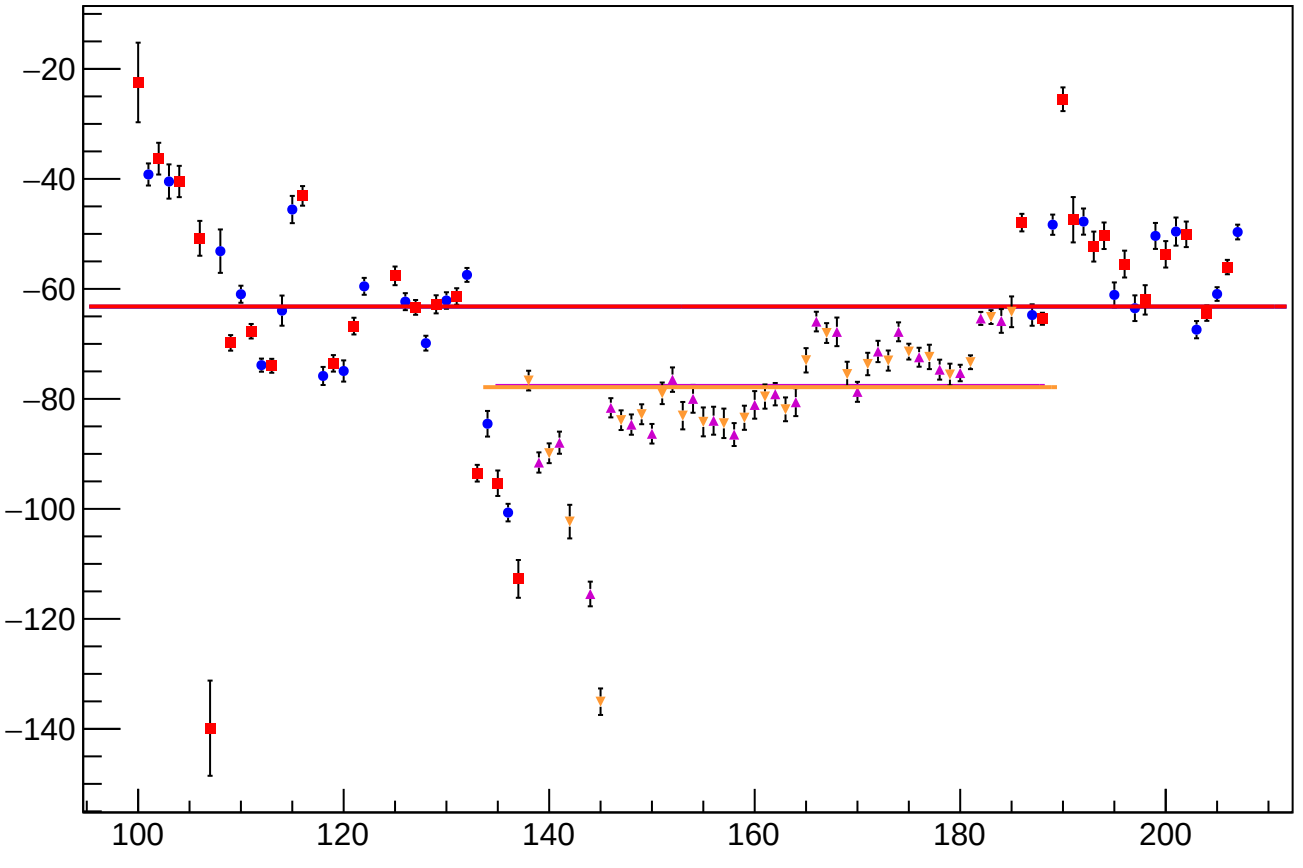
Left: 0.218+/-0.002 χ^2/NDF: 9387.2/47

Right: -0.031+/-0.003 χ^2/NDF: 17552.2/56

In: 0.171+/-0.002 χ^2/NDF:15602.5/48

Out: 0.161+/-0.002 χ^2/NDF:16798.2/55

All: 0.165+/-0.001 χ^2/NDF: 32414.3/104



Right In: -63.231+/-0.342 χ^2/NDF: 1397.2/25

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

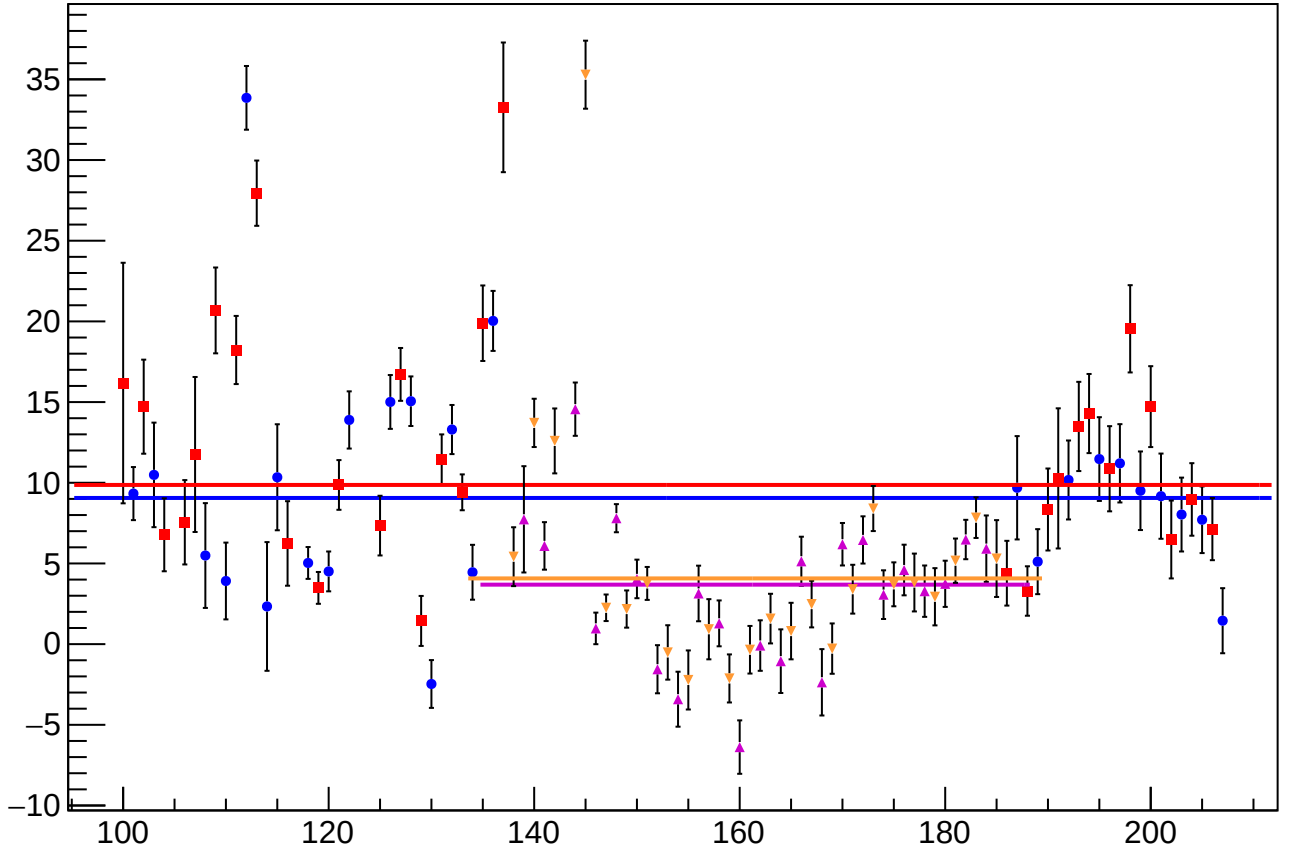
Right: -63.212+/-0.237 χ^2/NDF: 3318.8/55

In: -69.374+/-0.259 χ^2/NDF:2848.7/48

Out: -69.214+/-0.252 χ^2/NDF:3671.3/53

All: -69.292+/-0.181 χ^2/NDF: 6520.2/102

reg_asym_usl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 9.059+/-0.371 χ^2/NDF: 363.5/25

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.865+/-0.364 χ^2/NDF: 316.5/29

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

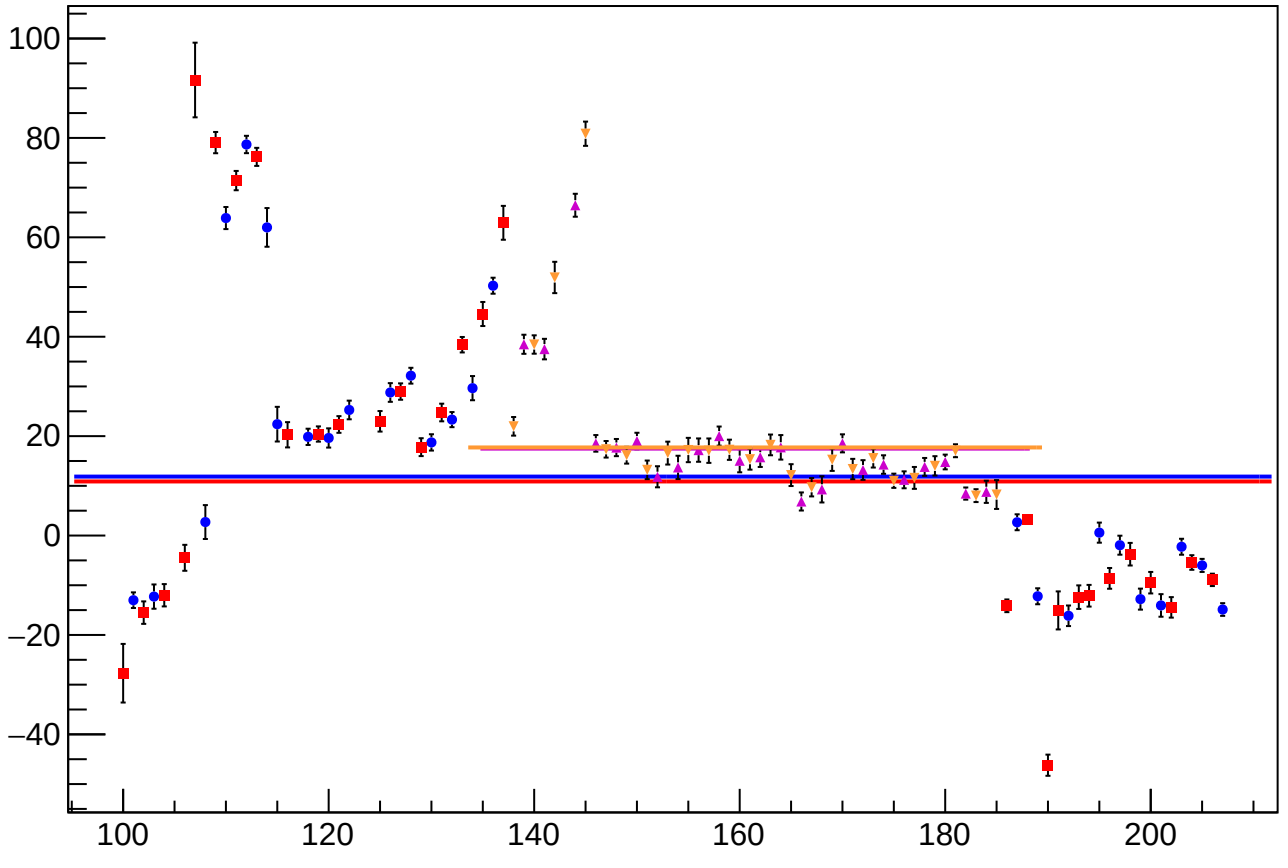
Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

Right: 9.469+/-0.260 χ^2/NDF: 682.5/55

In: 5.825+/-0.234 χ^2/NDF:672.5/48

Out: 6.382+/-0.230 χ^2/NDF:839.0/53

All: 6.108+/-0.164 χ^2/NDF: 1514.3/102



Right In: 11.860+/-0.358 χ^2/NDF: 5064.7/25

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

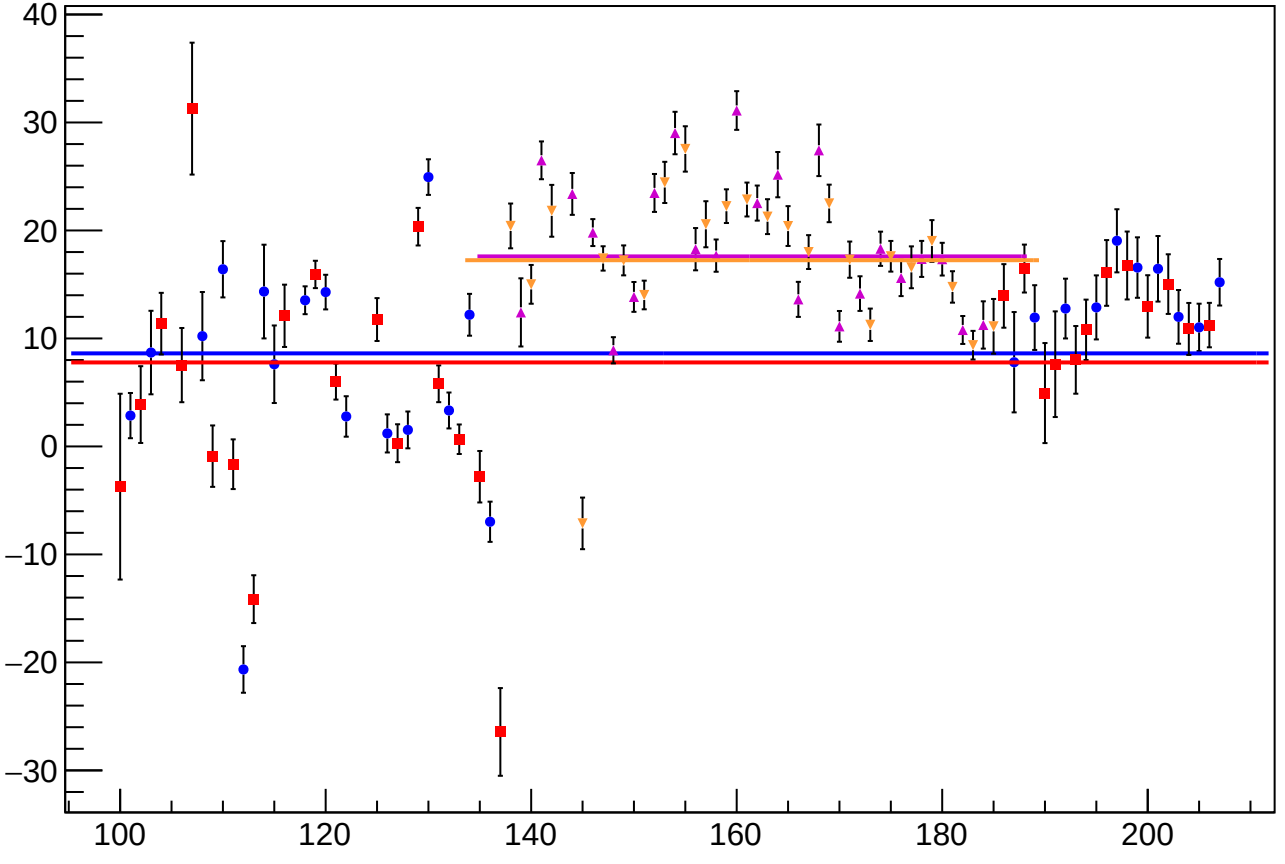
Right: 11.345+/-0.246 χ^2/NDF: 12022.5/55

In: 14.412+/-0.264 χ^2/NDF:5997.8/48

Out: 13.808+/-0.256 χ^2/NDF:8187.3/53

All: 14.100+/-0.184 χ^2/NDF: 14187.8/102

reg_asym_usl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 8.618+/-0.430 χ^2/NDF: 501.4/25

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

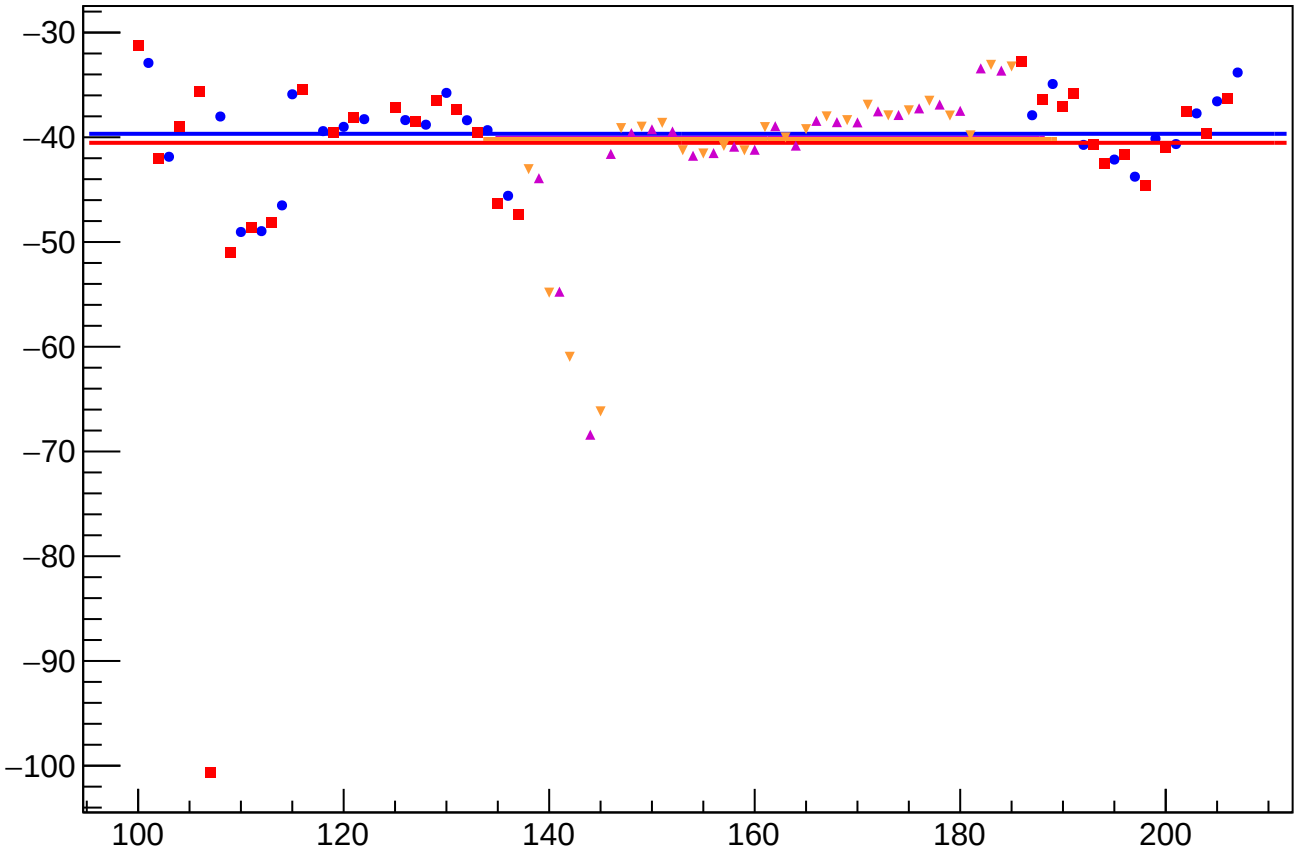
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 8.195+/-0.303 χ^2/NDF: 936.5/55

In: 14.114+/-0.268 χ^2/NDF:1078.1/48

Out: 13.599+/-0.265 χ^2/NDF:995.9/53

All: 13.854+/-0.188 χ^2/NDF: 2075.9/102



Right In: -39.668+/-0.022 χ^2/NDF: 32273.6/25

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

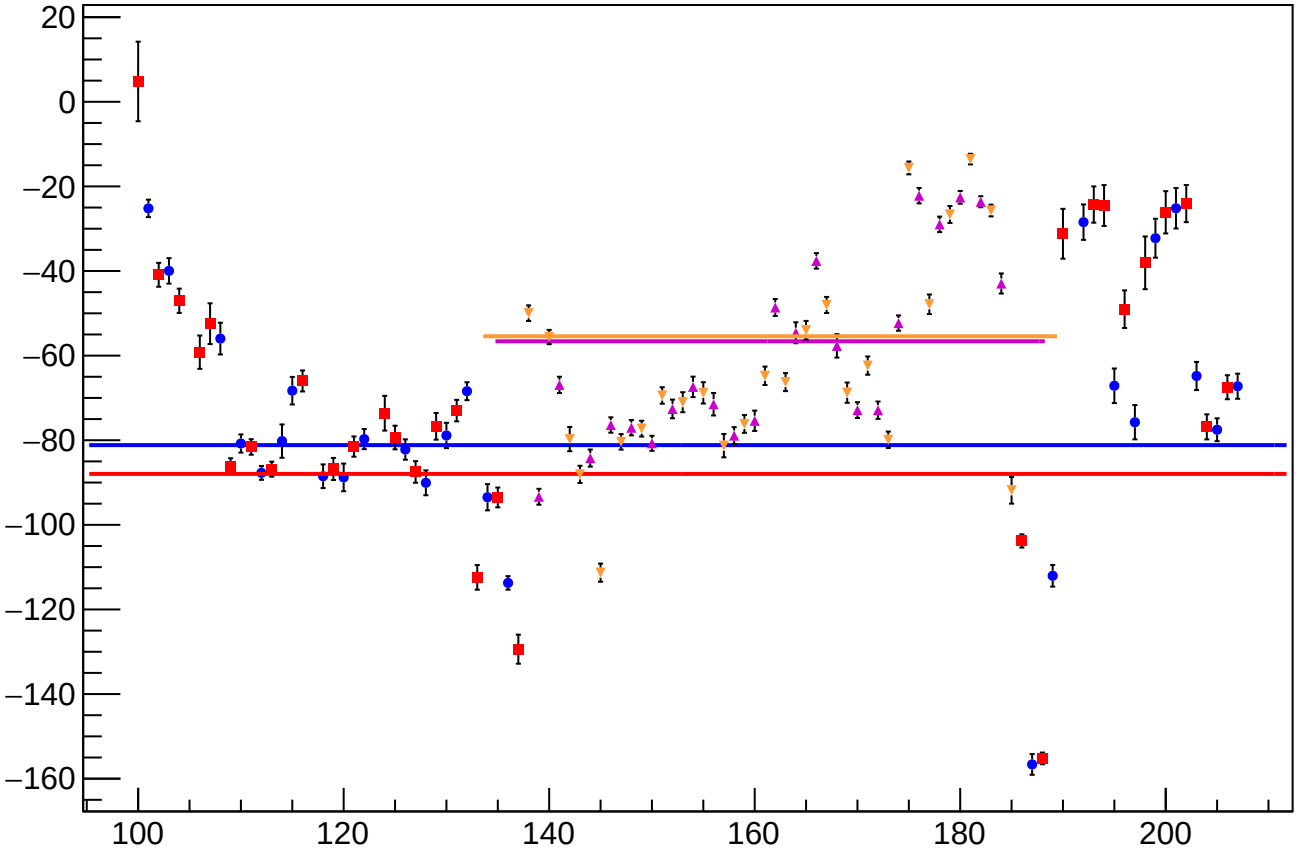
Right: -40.109+/-0.015 χ^2/NDF: 105649.7/55

In: -39.922+/-0.013 χ^2/NDF:168917.5/48

Out: -40.291+/-0.012 χ^2/NDF:236101.4/53

All: -40.108+/-0.009 χ^2/NDF: 405451.8/102

reg_asym_usr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -81.156+/-0.527 χ^2/NDF: 3046.4/25

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

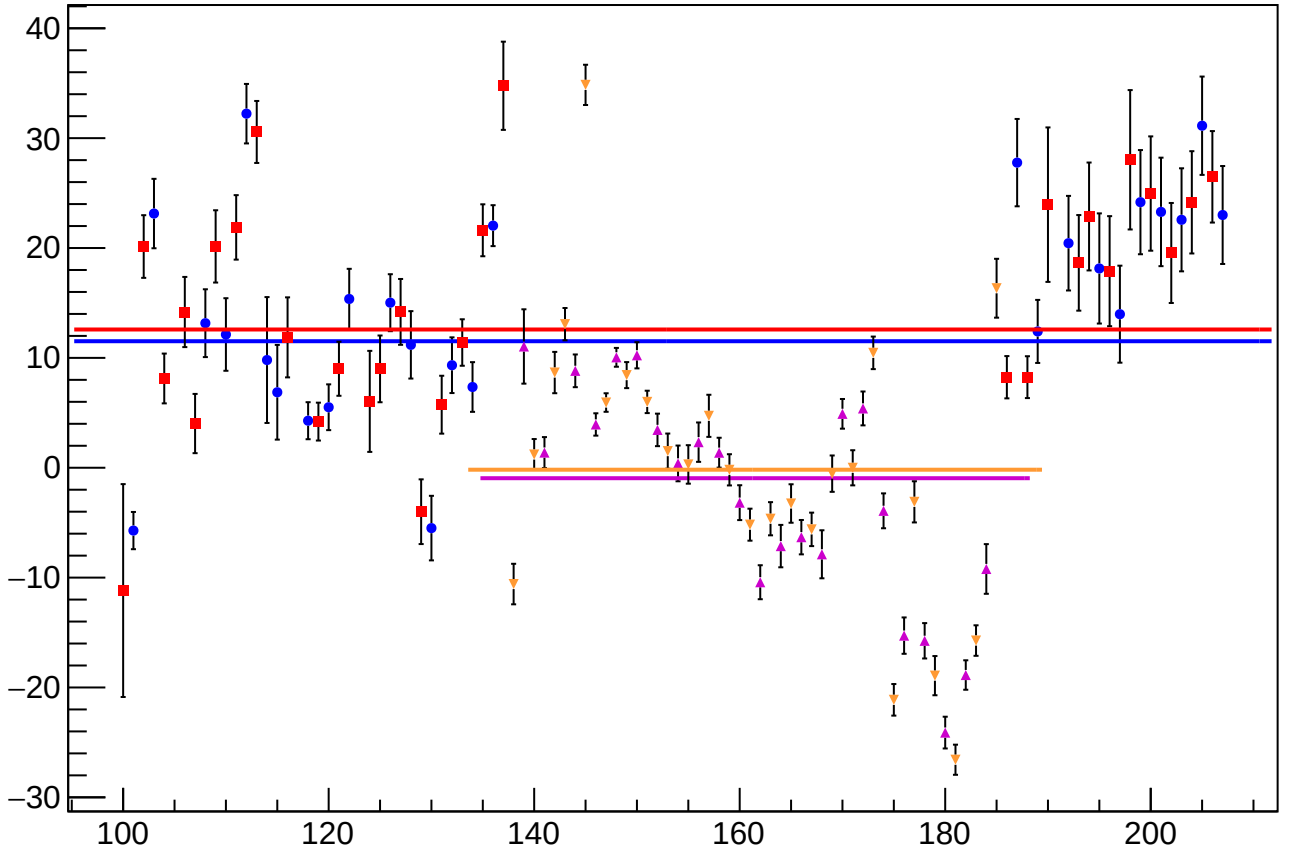
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

Right: -84.819+/-0.358 χ^2/NDF: 7738.2/55

In: -65.697+/-0.320 χ^2/NDF:7765.1/48

Out: -68.249+/-0.306 χ^2/NDF:11824.8/54

All: -67.031+/-0.221 χ^2/NDF: 19623.1/103



Right In: 11.516+/-0.563 χ^2/NDF: 344.5/25

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.584+/-0.544 χ^2/NDF: 248.2/29

Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

Left: -0.553+/-0.211 χ^2/NDF: 2671.5/47

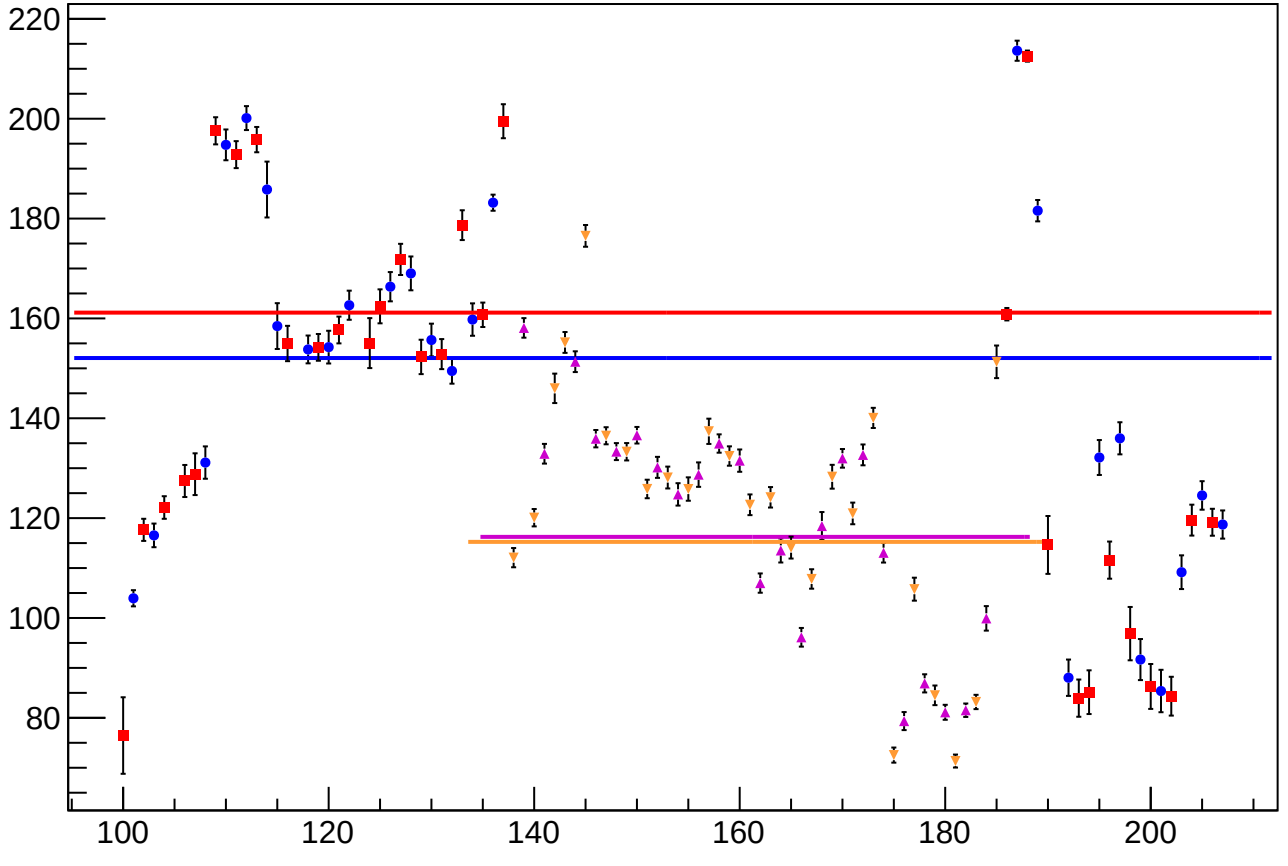
Right: 12.069+/-0.391 χ^2/NDF: 594.6/55

In: 1.861+/-0.268 χ^2/NDF:1793.6/48

Out: 2.708+/-0.259 χ^2/NDF:2272.7/54

All: 2.299+/-0.186 χ^2/NDF: 4071.5/103

reg_asym_usr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 152.066+/-0.538 χ^2/NDF: 4571.8/25

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

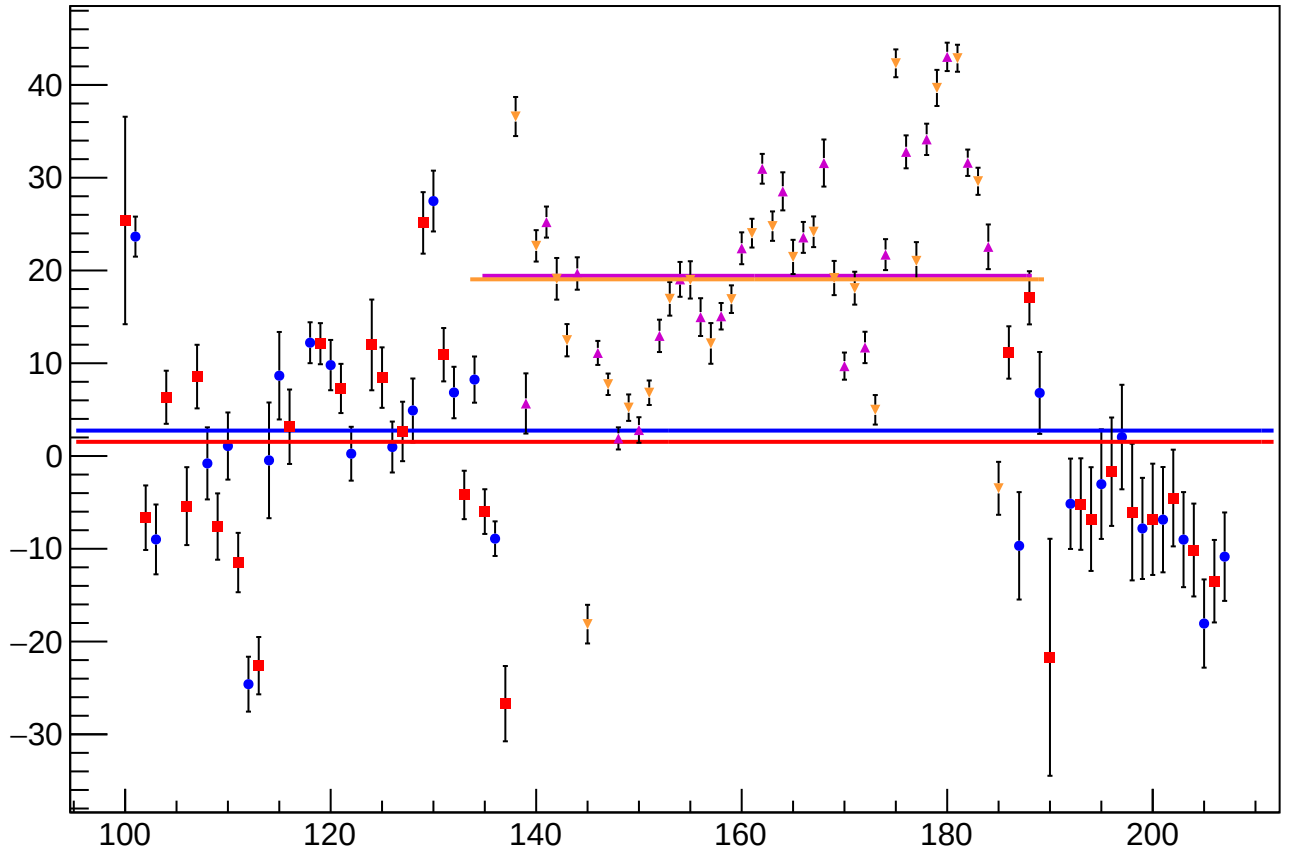
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

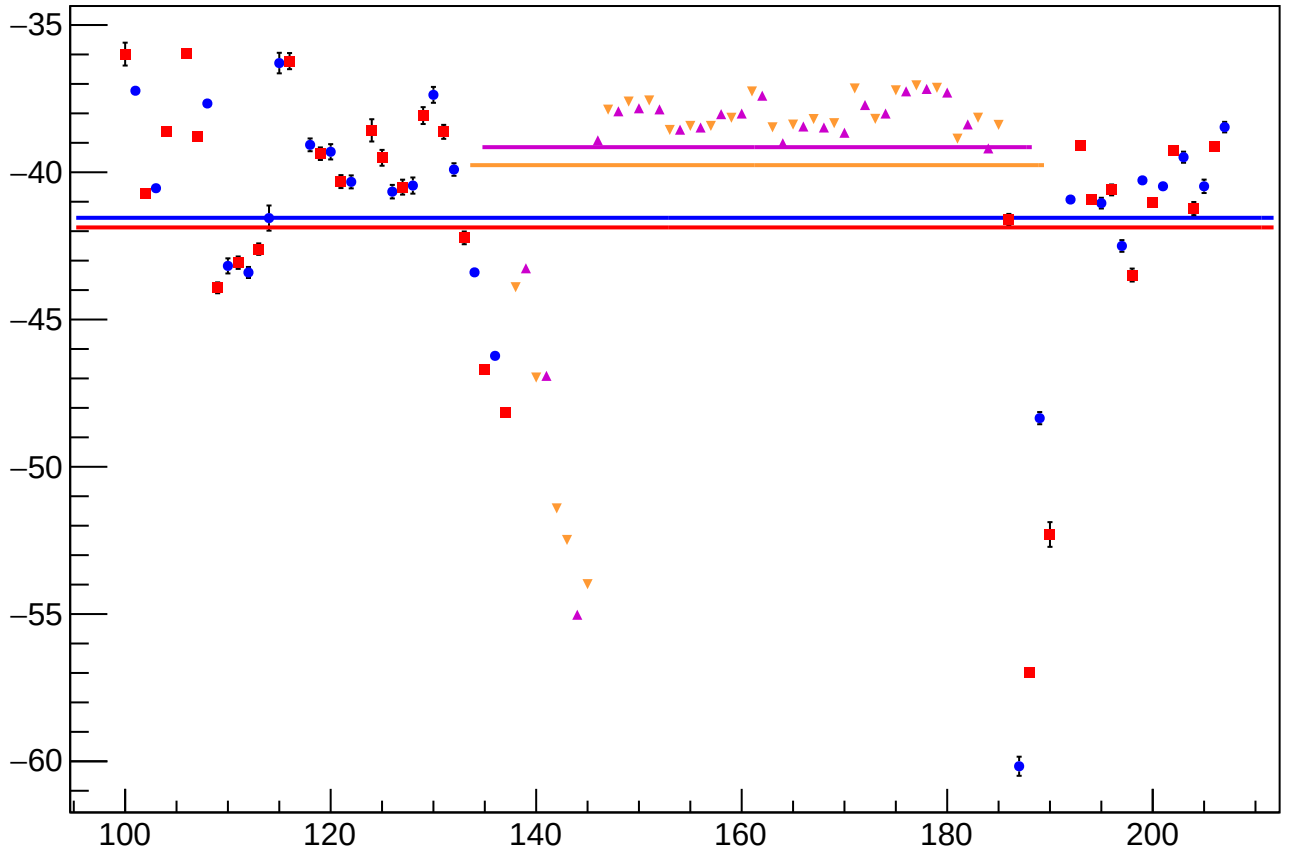
Right: 157.067+/-0.361 χ^2/NDF: 10759.7/55

In: 128.959+/-0.321 χ^2/NDF:11067.3/48

Out: 133.211+/-0.305 χ^2/NDF:16282.1/54

All: 131.194+/-0.221 χ^2/NDF: 27441.8/103


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: 2.741+/-0.654 χ²/NDF: 369.8/25
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: 2.127+/-0.460 χ²/NDF: 706.4/55
In: 15.784+/-0.306 χ²/NDF:1955.4/48
Out: 15.312+/-0.298 χ²/NDF:2459.6/54
All: 15.542+/-0.213 χ²/NDF: 4416.1/103



Right In: -41.546+/-0.032 χ^2/NDF: 12890.0/25

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

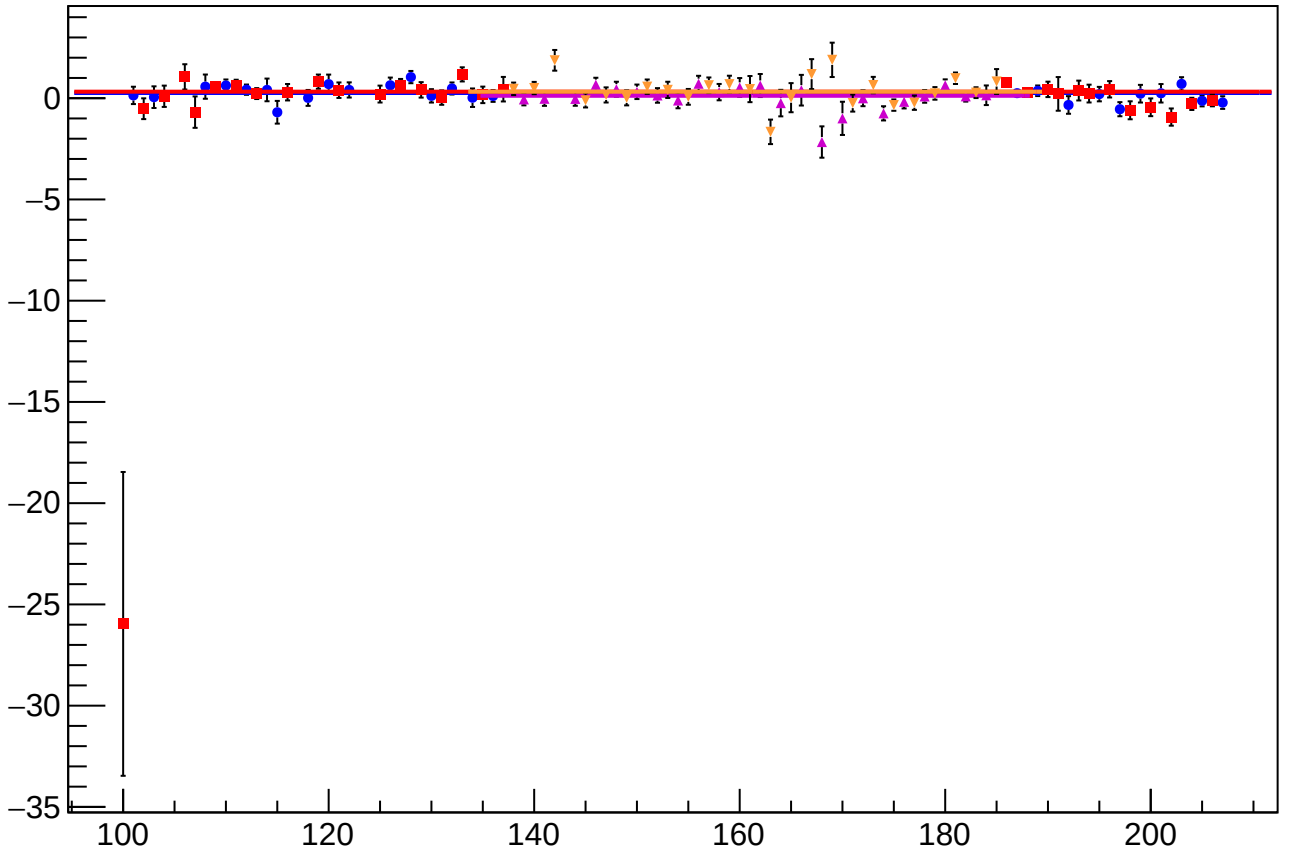
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.709+/-0.023 χ^2/NDF: 32674.6/55

In: -39.609+/-0.014 χ^2/NDF:64338.2/48

Out: -40.158+/-0.014 χ^2/NDF:105143.7/54

All: -39.886+/-0.010 χ^2/NDF: 170255.0/103



Right In: 0.258+/-0.068 χ^2/NDF: 29.2/25

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

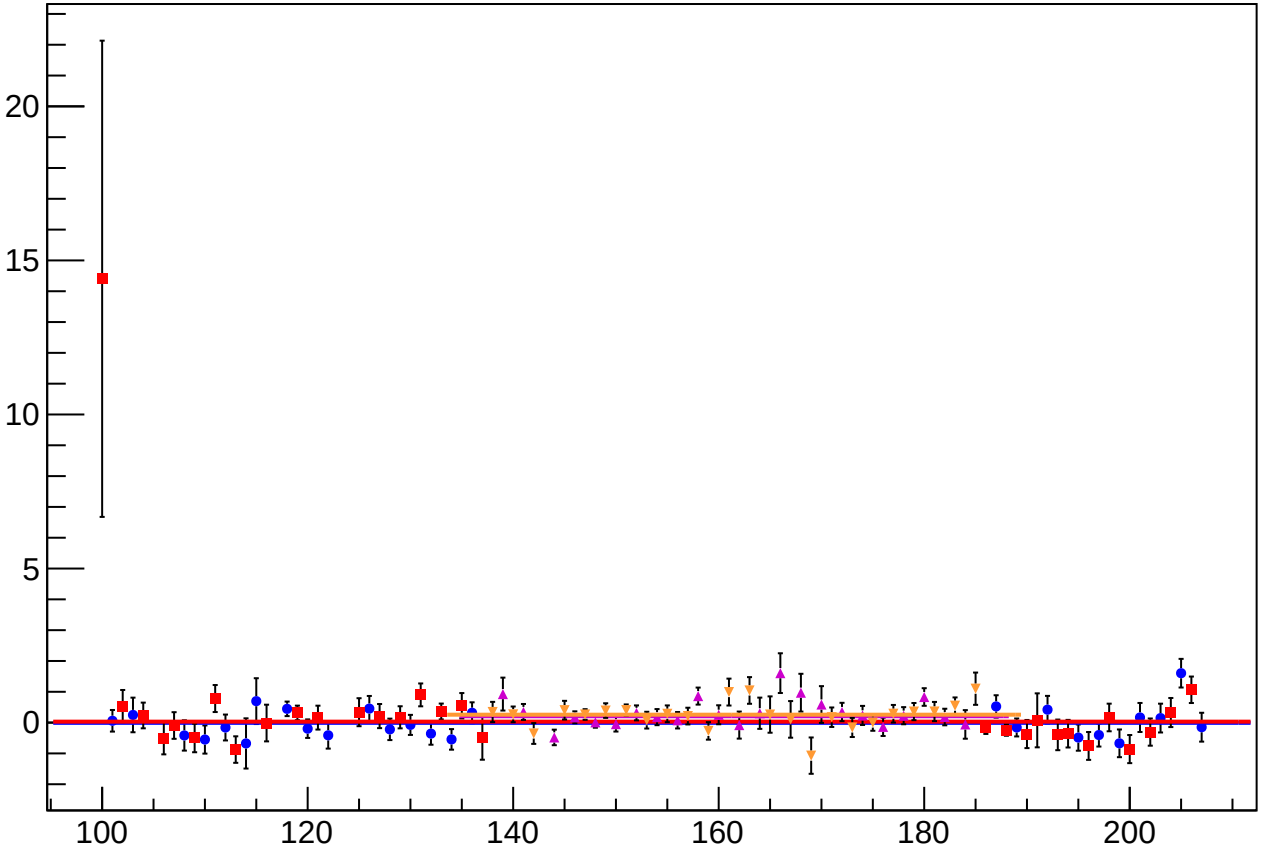
Right: 0.294+/-0.045 χ^2/NDF: 89.9/55

In: 0.199+/-0.052 χ^2/NDF:60.9/48

Out: 0.322+/-0.048 χ^2/NDF:107.1/53

All: 0.266+/-0.035 χ^2/NDF: 171.1/102

reg_asym_dsl_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.008+/-0.076 χ^2/NDF: 35.4/25

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

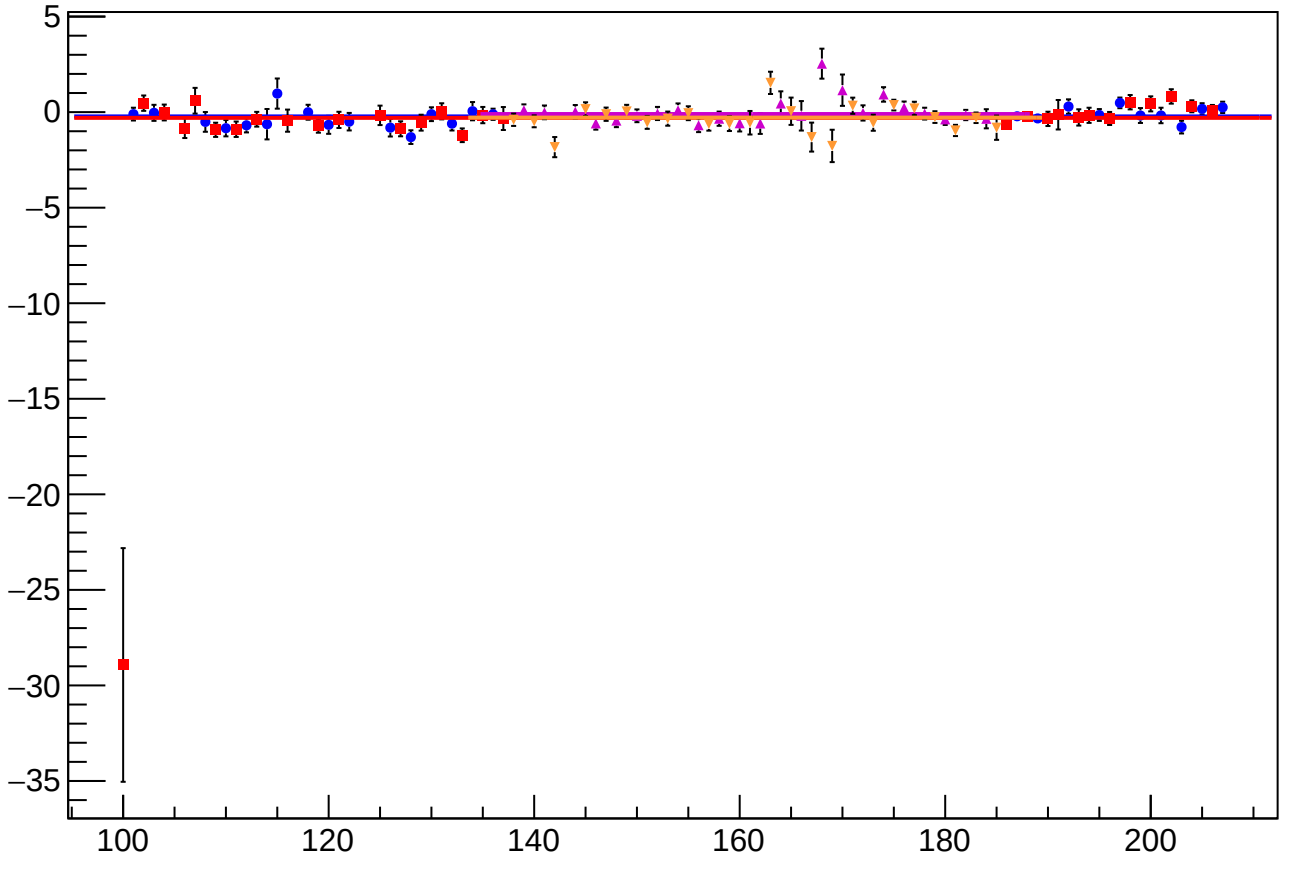
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.013+/-0.051 χ^2/NDF: 80.6/55

In: 0.124+/-0.047 χ^2/NDF:72.2/48

Out: 0.161+/-0.045 χ^2/NDF:77.7/53

All: 0.144+/-0.033 χ^2/NDF: 150.2/102



Right In: -0.224+/-0.068 χ^2/NDF: 36.6/25

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

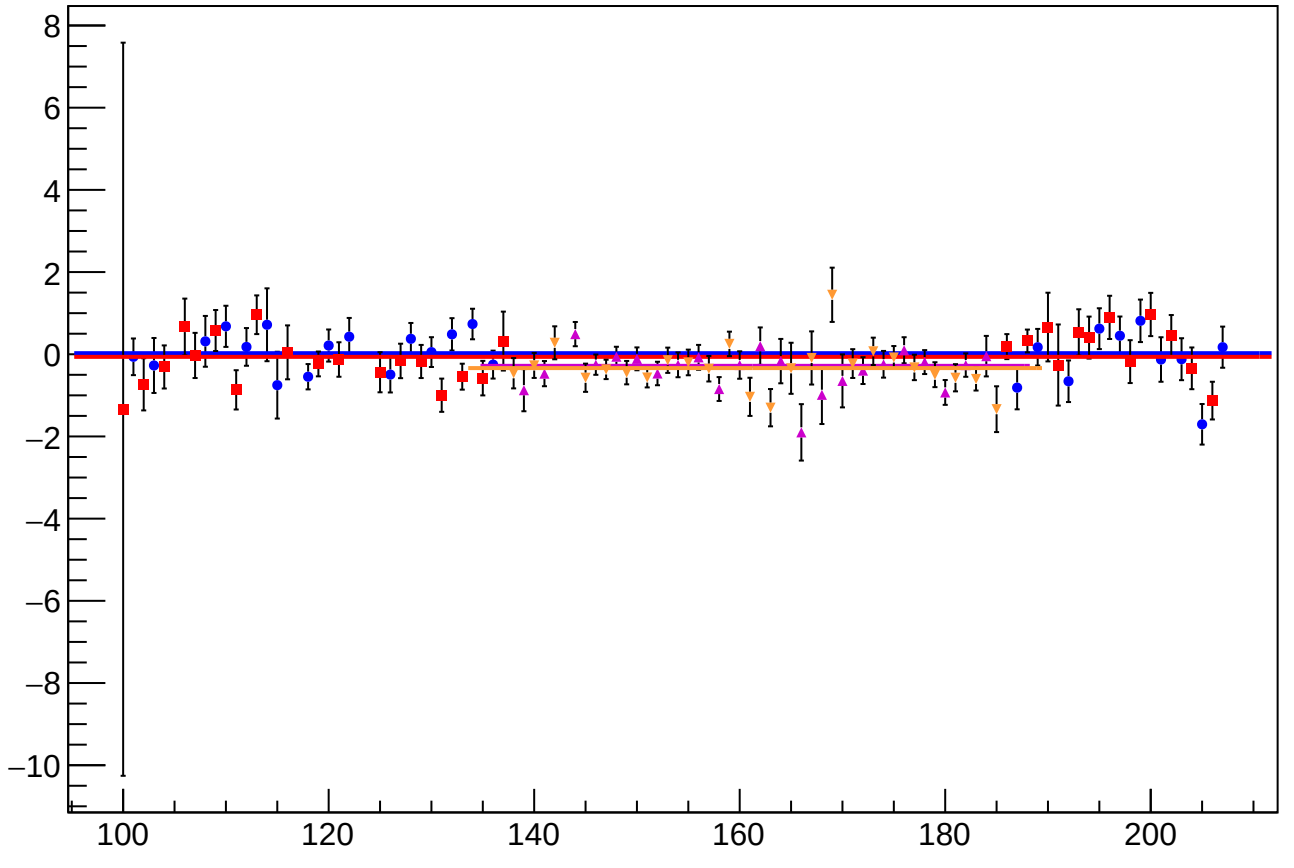
Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

Right: -0.268+/-0.043 χ^2/NDF: 112.0/55

In: -0.171+/-0.051 χ^2/NDF:71.3/48

Out: -0.295+/-0.046 χ^2/NDF:119.8/53

All: -0.240+/-0.034 χ^2/NDF: 194.3/102



Right In: 0.026+/-0.089 χ^2/NDF: 37.8/25

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

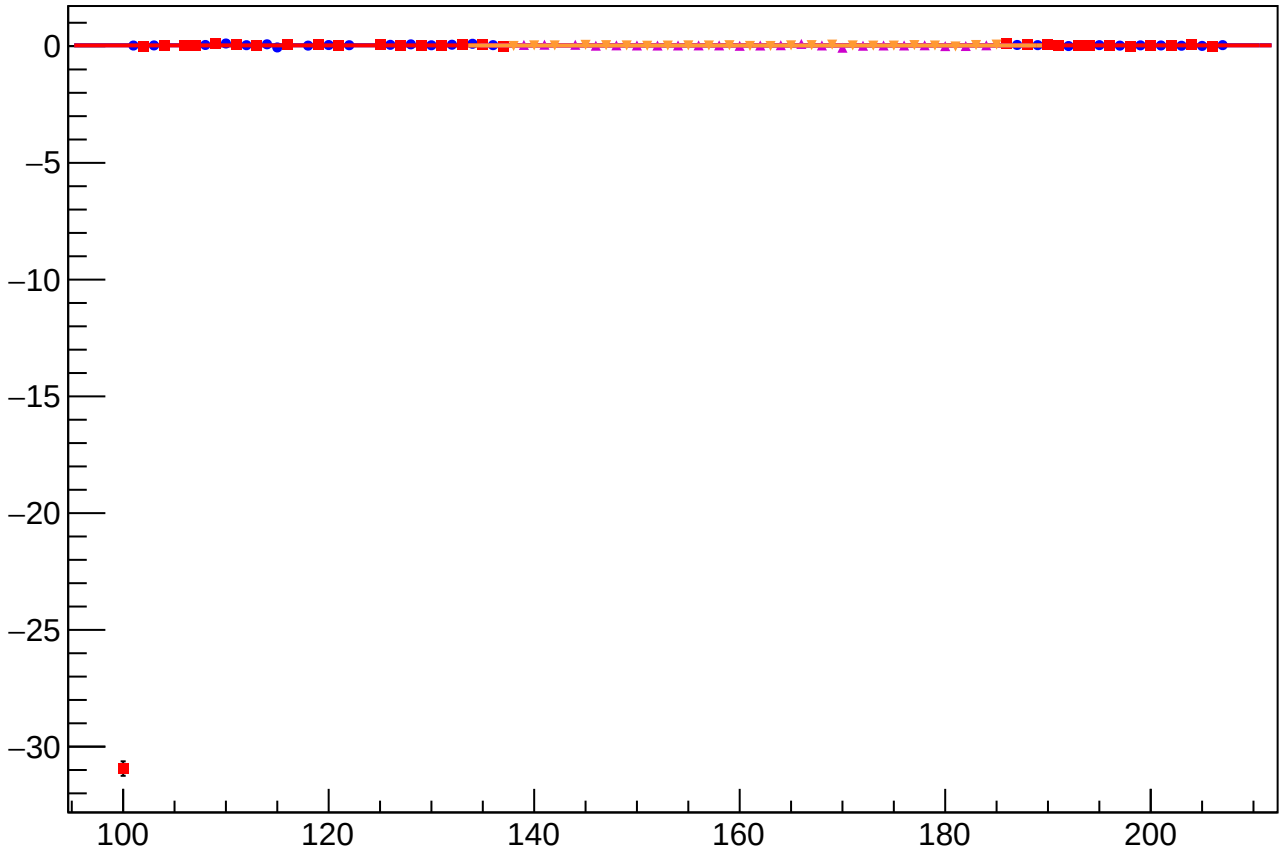
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.021+/-0.061 χ^2/NDF: 79.8/55

In: -0.167+/-0.055 χ^2/NDF:74.2/48

Out: -0.229+/-0.053 χ^2/NDF:78.0/53

All: -0.199+/-0.038 χ^2/NDF: 152.9/102



Right In: 0.037+/-0.004 χ^2/NDF: 31.6/25

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

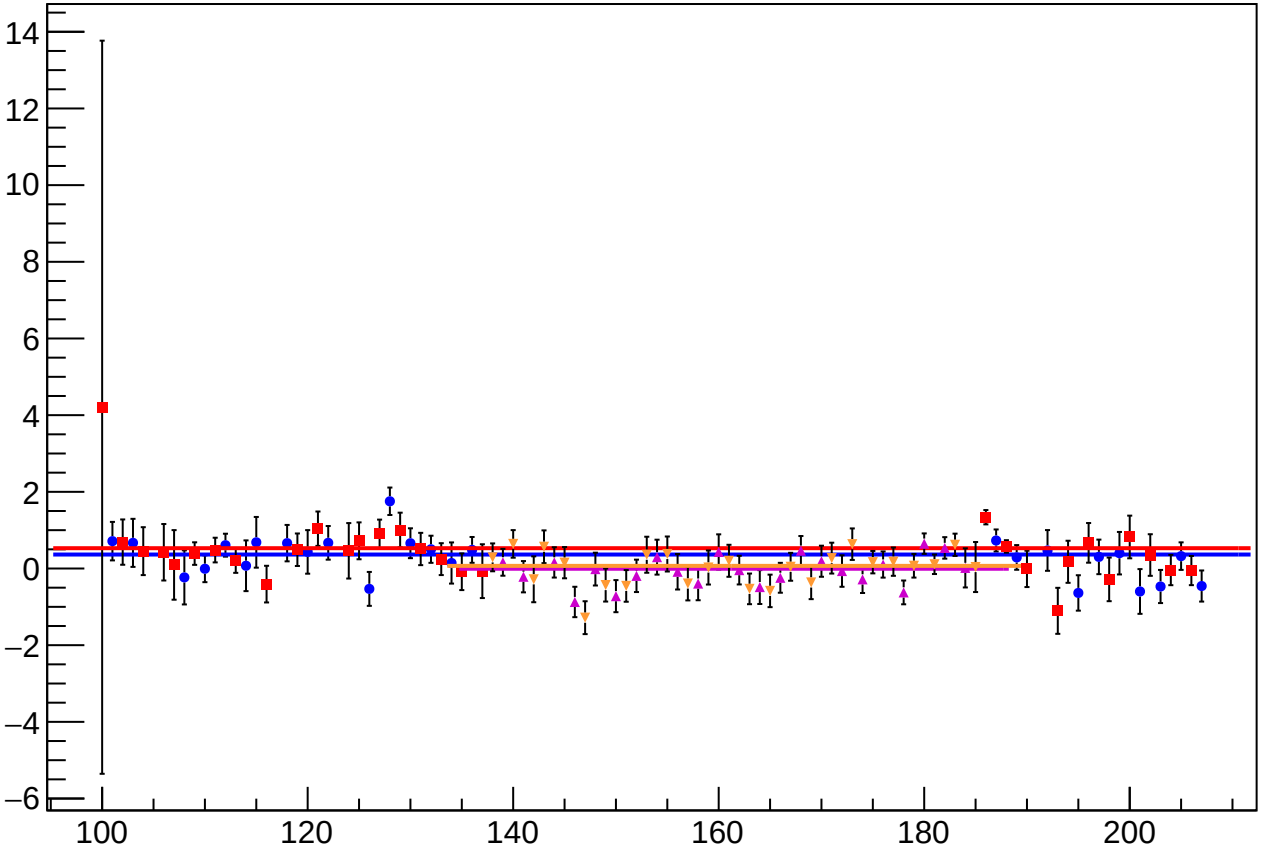
Right: 0.034+/-0.003 χ^2/NDF: 10087.0/55

In: 0.032+/-0.002 χ^2/NDF:72.5/48

Out: 0.029+/-0.002 χ^2/NDF:10082.5/53

All: 0.031+/-0.002 χ^2/NDF: 10155.7/102

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.364+/-0.083 χ^2/NDF: 41.7/25

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

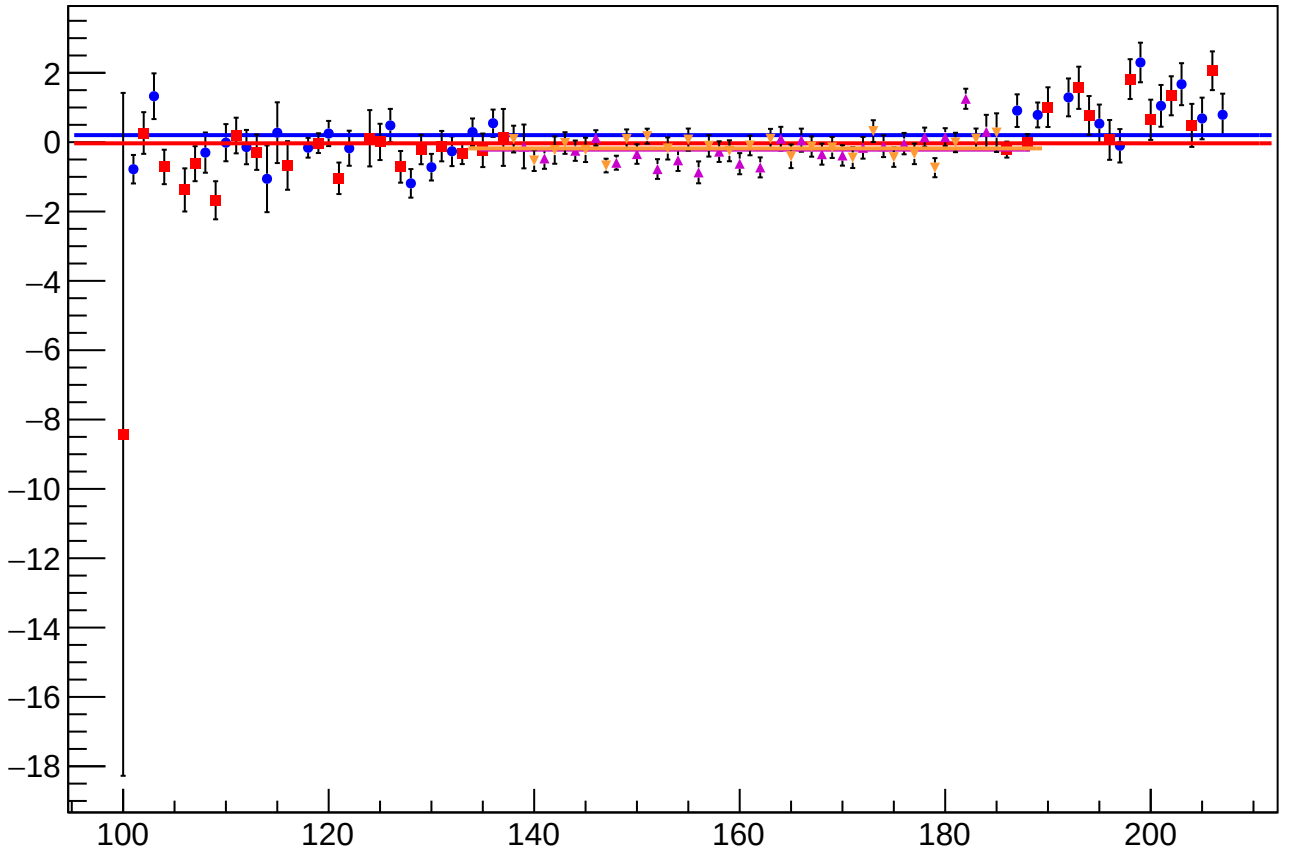
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.459+/-0.054 χ^2/NDF: 90.9/55

In: 0.171+/-0.057 χ^2/NDF:80.7/48

Out: 0.316+/-0.053 χ^2/NDF:97.1/54

All: 0.250+/-0.039 χ^2/NDF: 181.3/103



Right In: 0.203+/-0.092 χ^2/NDF: 66.0/25

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

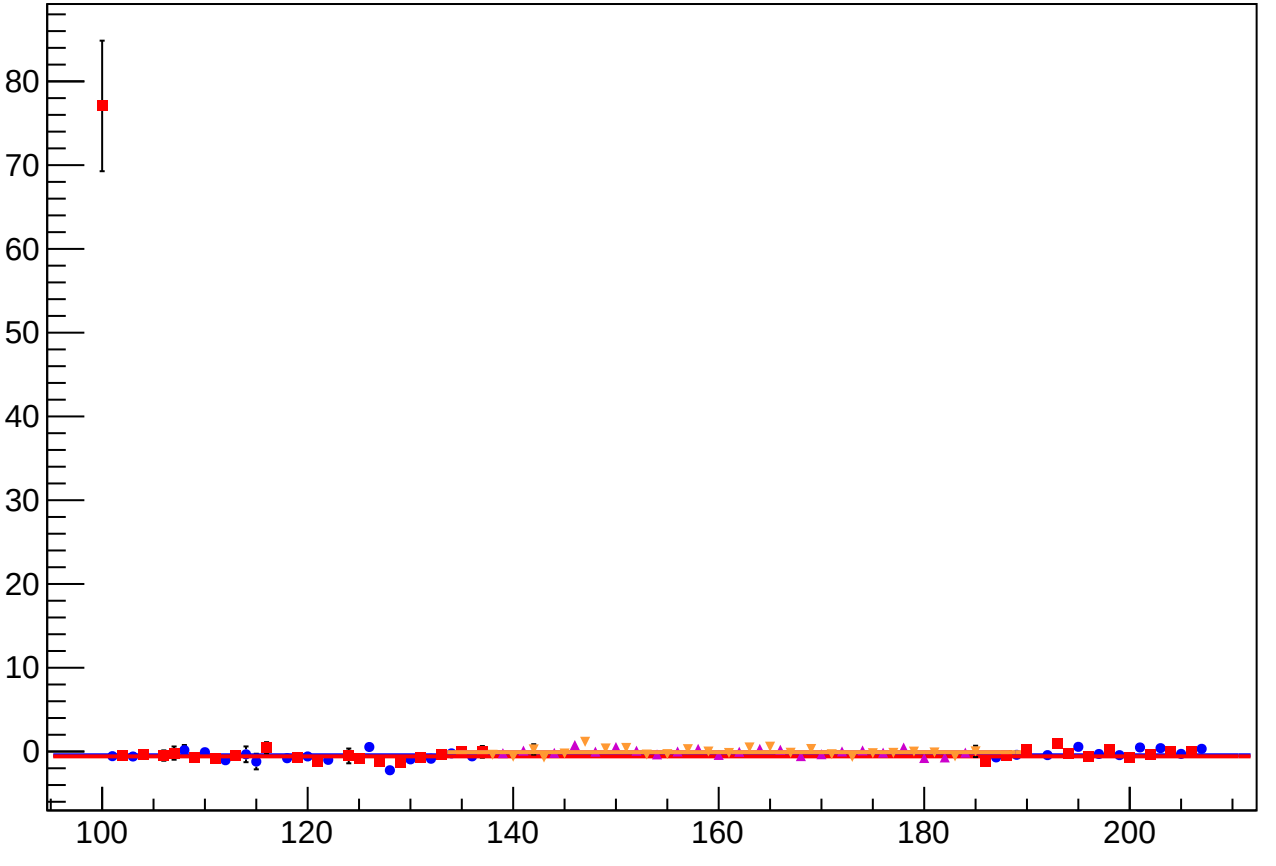
Right: 0.073+/-0.062 χ^2/NDF: 142.6/55

In: -0.087+/-0.051 χ^2/NDF:133.8/48

Out: -0.130+/-0.048 χ^2/NDF:99.9/54

All: -0.110+/-0.035 χ^2/NDF: 234.1/103

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.448+/-0.083 χ^2/NDF: 48.5/25

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

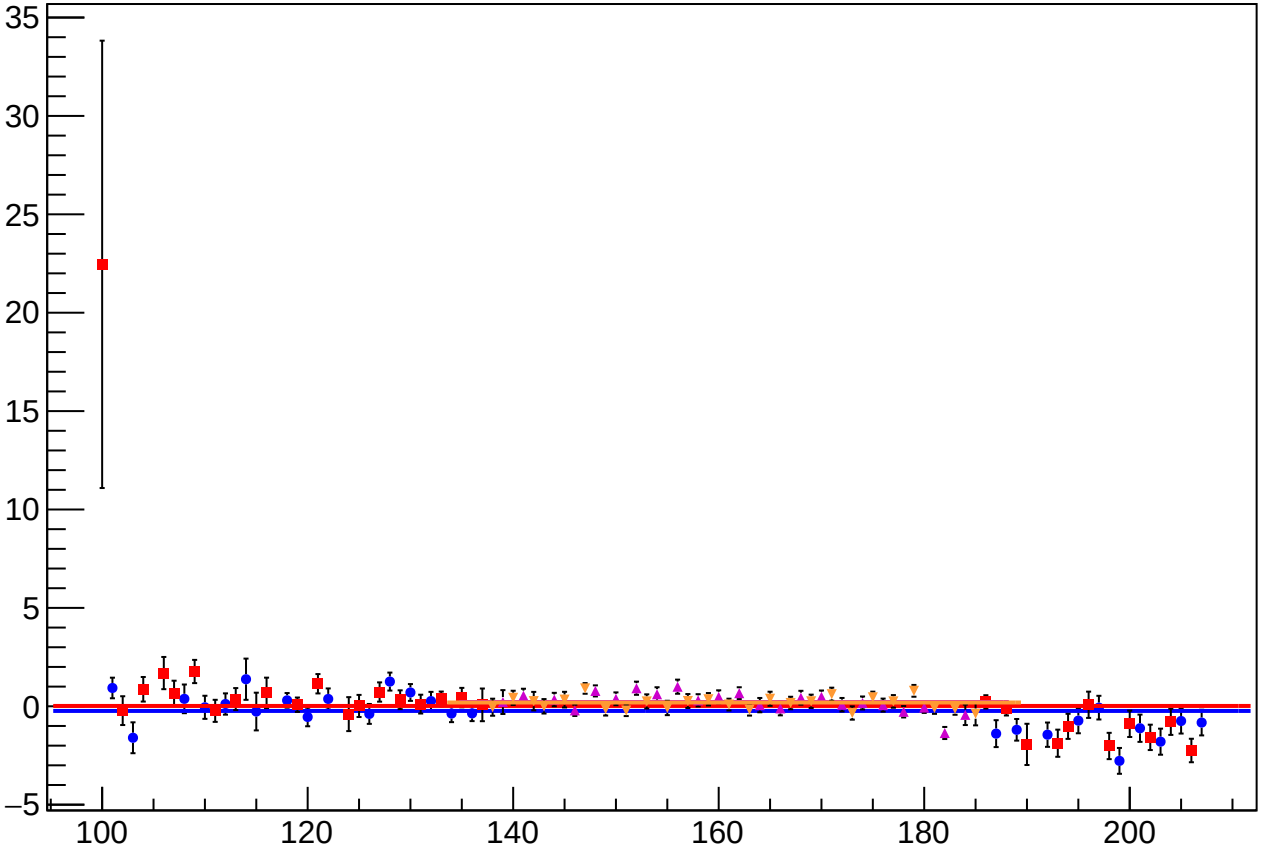
Right: -0.527+/-0.053 χ^2/NDF: 195.3/55

In: -0.251+/-0.057 χ^2/NDF:87.4/48

Out: -0.358+/-0.051 χ^2/NDF:199.3/54

All: -0.310+/-0.038 χ^2/NDF: 288.6/103

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.236+/-0.108 χ^2/NDF: 66.2/25

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

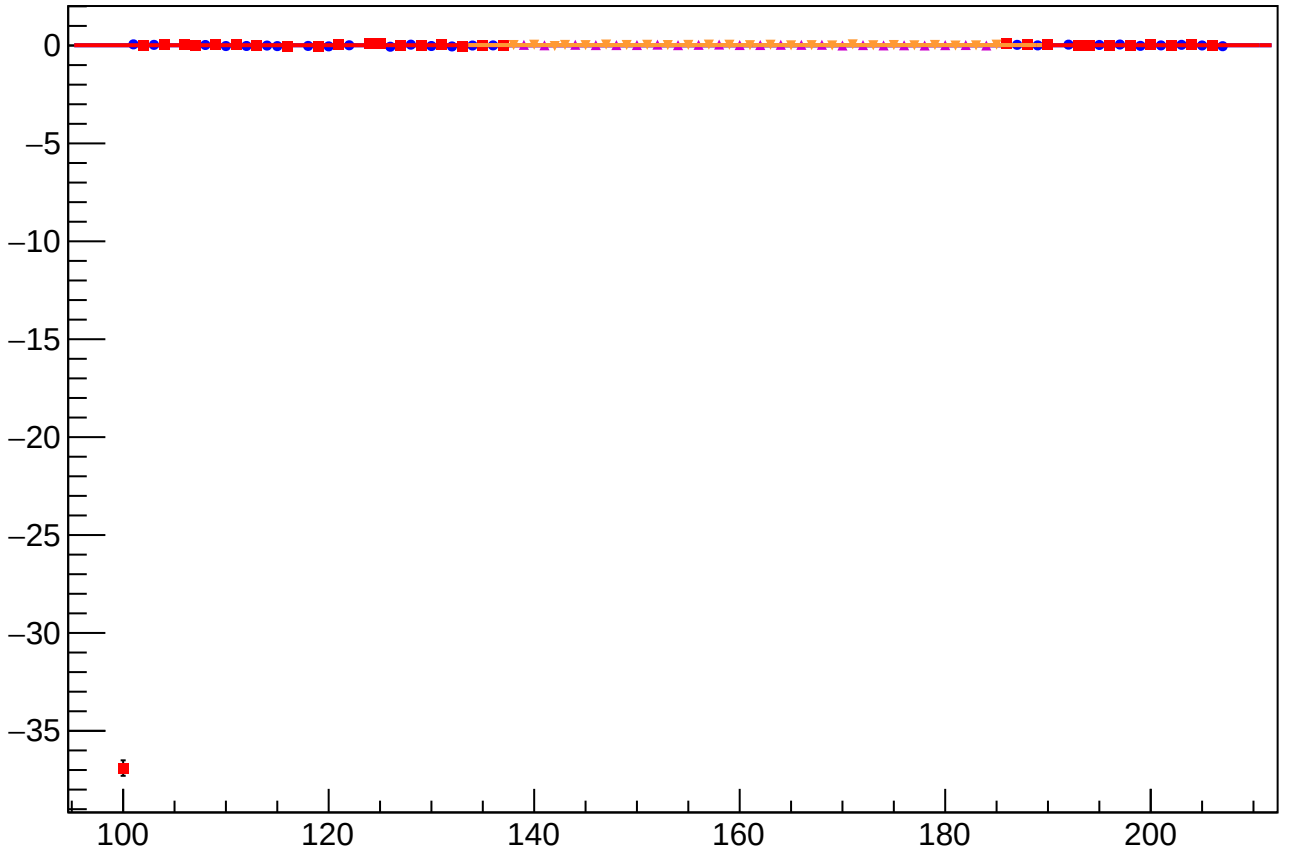
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.101+/-0.074 χ^2/NDF: 147.3/55

In: 0.084+/-0.058 χ^2/NDF:133.7/48

Out: 0.140+/-0.056 χ^2/NDF:106.2/54

All: 0.113+/-0.040 χ^2/NDF: 240.3/103



Right In: 0.011+/-0.005 χ^2/NDF: 32.4/25

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

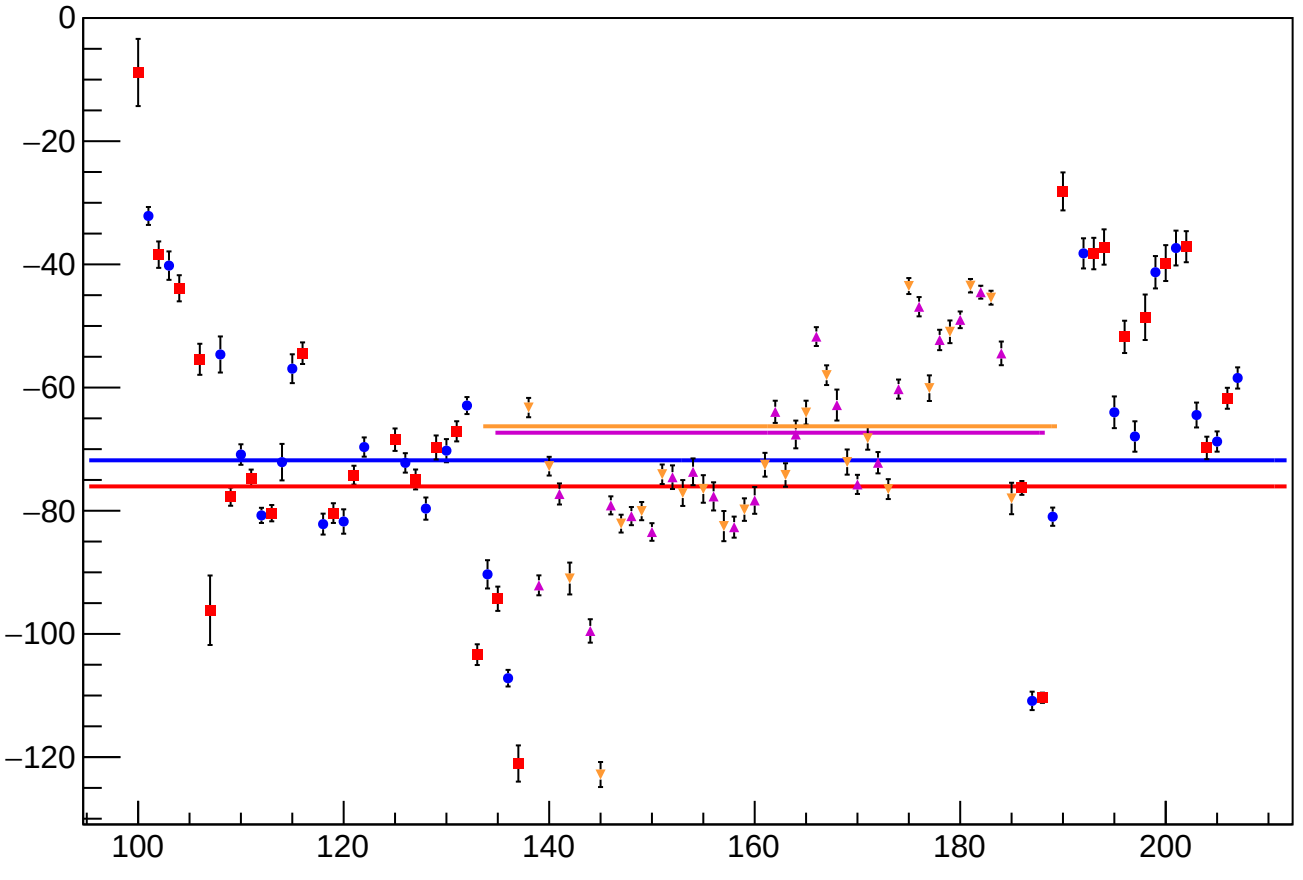
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.013+/-0.004 χ^2/NDF: 8812.4/55

In: 0.021+/-0.003 χ^2/NDF:55.4/48

Out: 0.022+/-0.003 χ^2/NDF:8812.2/54

All: 0.021+/-0.002 χ^2/NDF: 8867.6/103



Right In: -71.812+/-0.354 χ^2/NDF: 3218.2/25

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

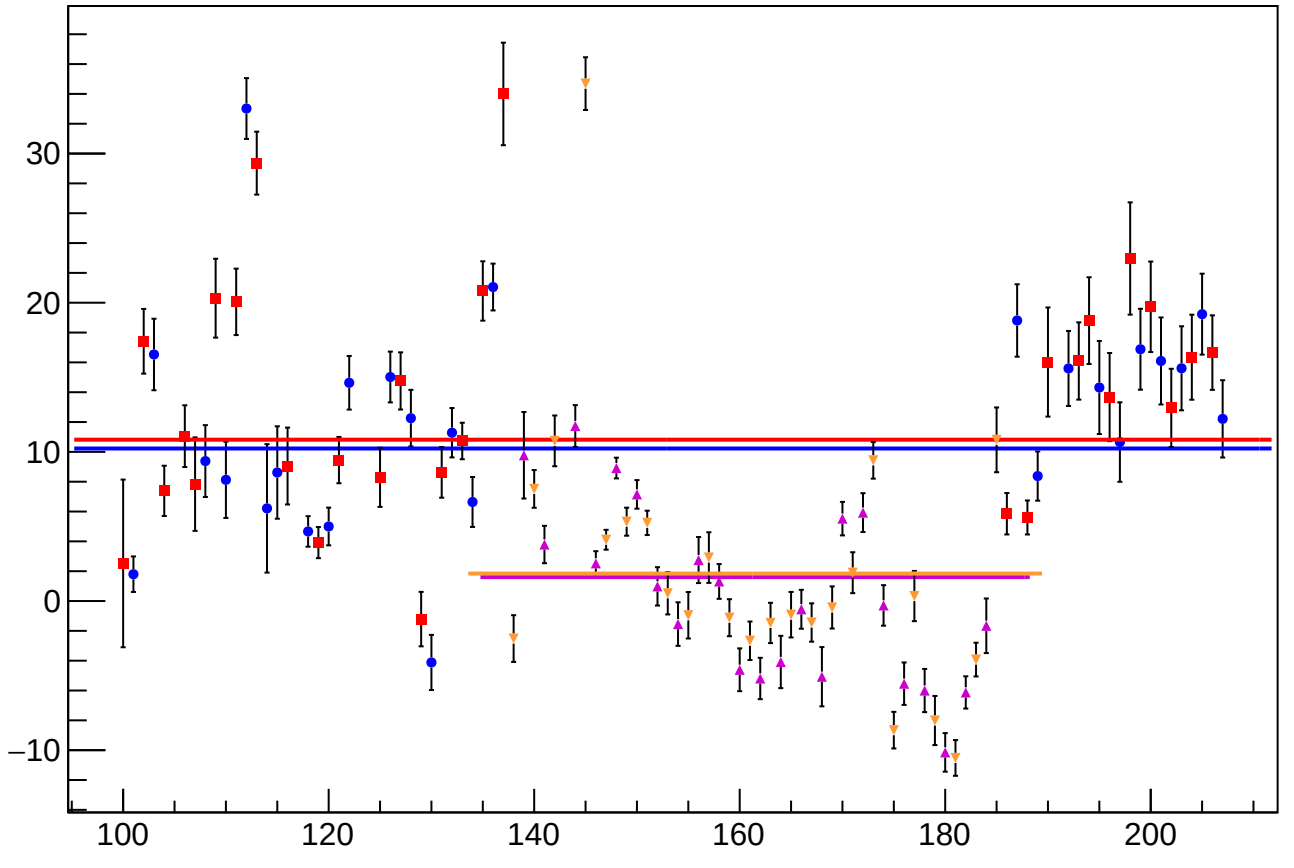
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.079+/-0.242 χ^2/NDF: 7858.8/54

In: -69.513+/-0.247 χ^2/NDF:5402.9/48

Out: -71.365+/-0.238 χ^2/NDF:7533.6/52

All: -70.473+/-0.172 χ^2/NDF: 12965.6/101



Right In: 10.226+/-0.374 χ^2/NDF: 403.7/25

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

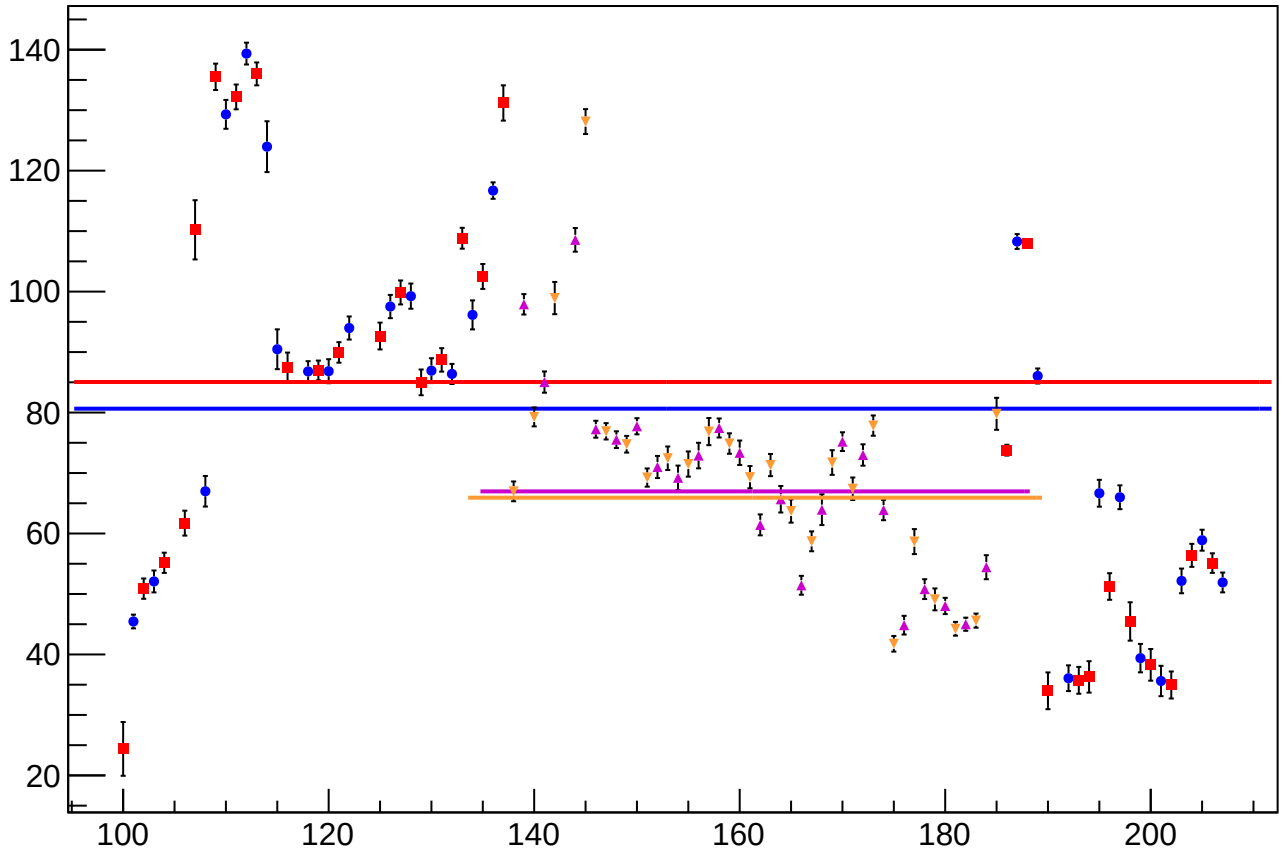
Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

Right: 10.529+/-0.261 χ^2/NDF: 772.5/54

In: 4.387+/-0.213 χ^2/NDF:1259.5/48

Out: 4.779+/-0.209 χ^2/NDF:1556.2/52

All: 4.587+/-0.149 χ^2/NDF: 2817.4/101



Right In: 80.641+/-0.357 χ^2/NDF: 6164.0/25

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

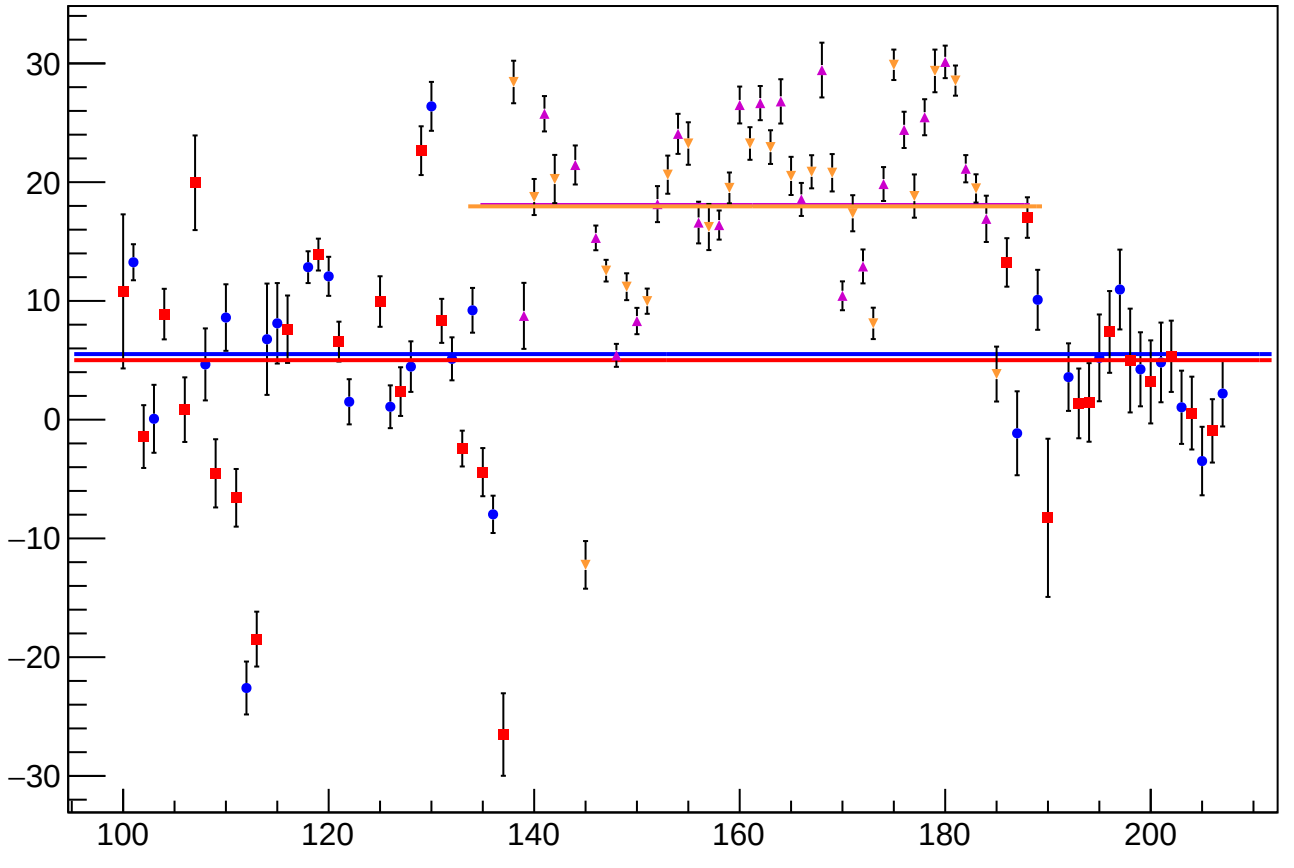
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 83.069+/-0.240 χ^2/NDF: 13956.5/54

In: 73.486+/-0.247 χ^2/NDF:9151.5/48

Out: 75.983+/-0.234 χ^2/NDF:11924.2/52

All: 74.798+/-0.170 χ^2/NDF: 21129.4/101



Right In: 5.522+/-0.440 χ^2/NDF: 451.0/25

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

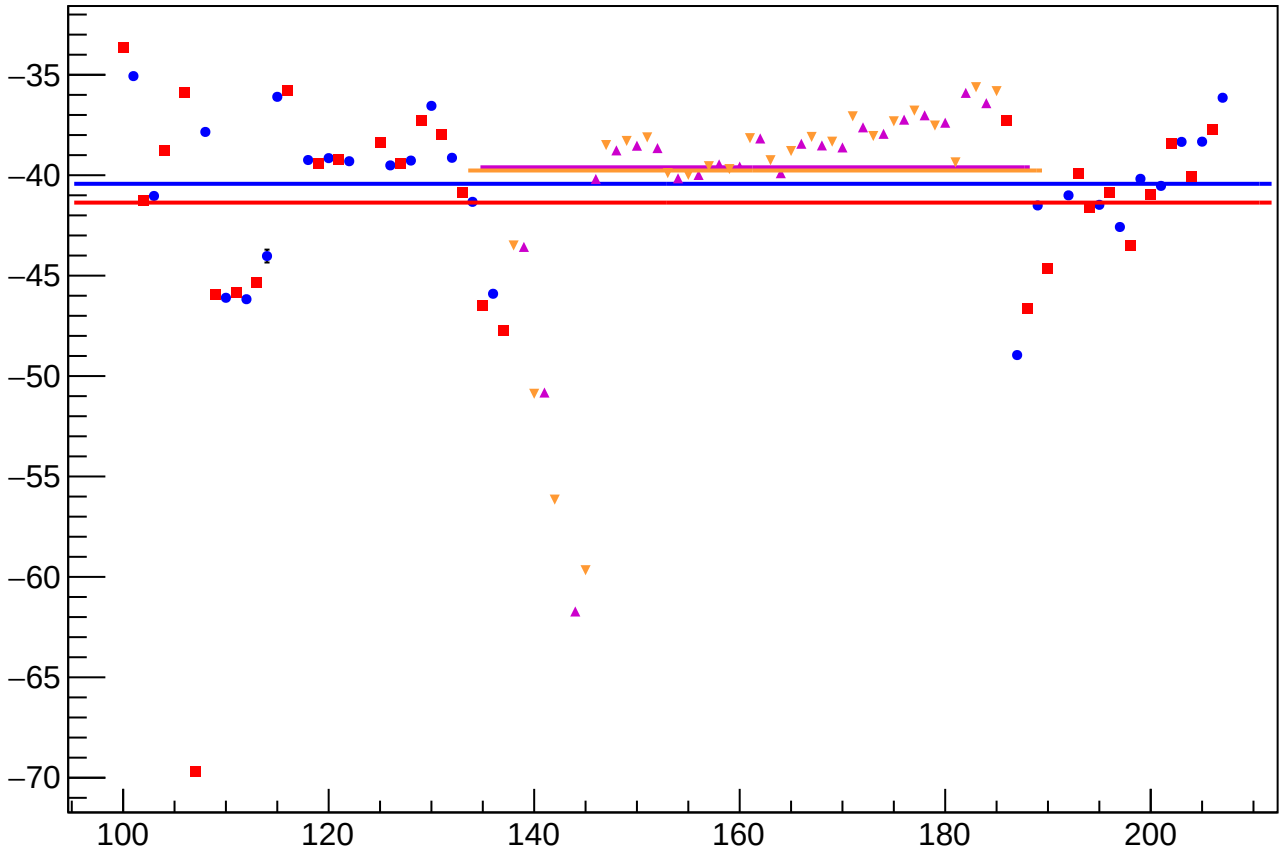
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.265+/-0.310 χ^2/NDF: 953.5/54

In: 14.192+/-0.245 χ^2/NDF:1617.5/48

Out: 13.964+/-0.243 χ^2/NDF:1841.5/52

All: 14.077+/-0.172 χ^2/NDF: 3459.5/101



Right In: -40.428+/-0.022 χ^2/NDF: 22856.3/25

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

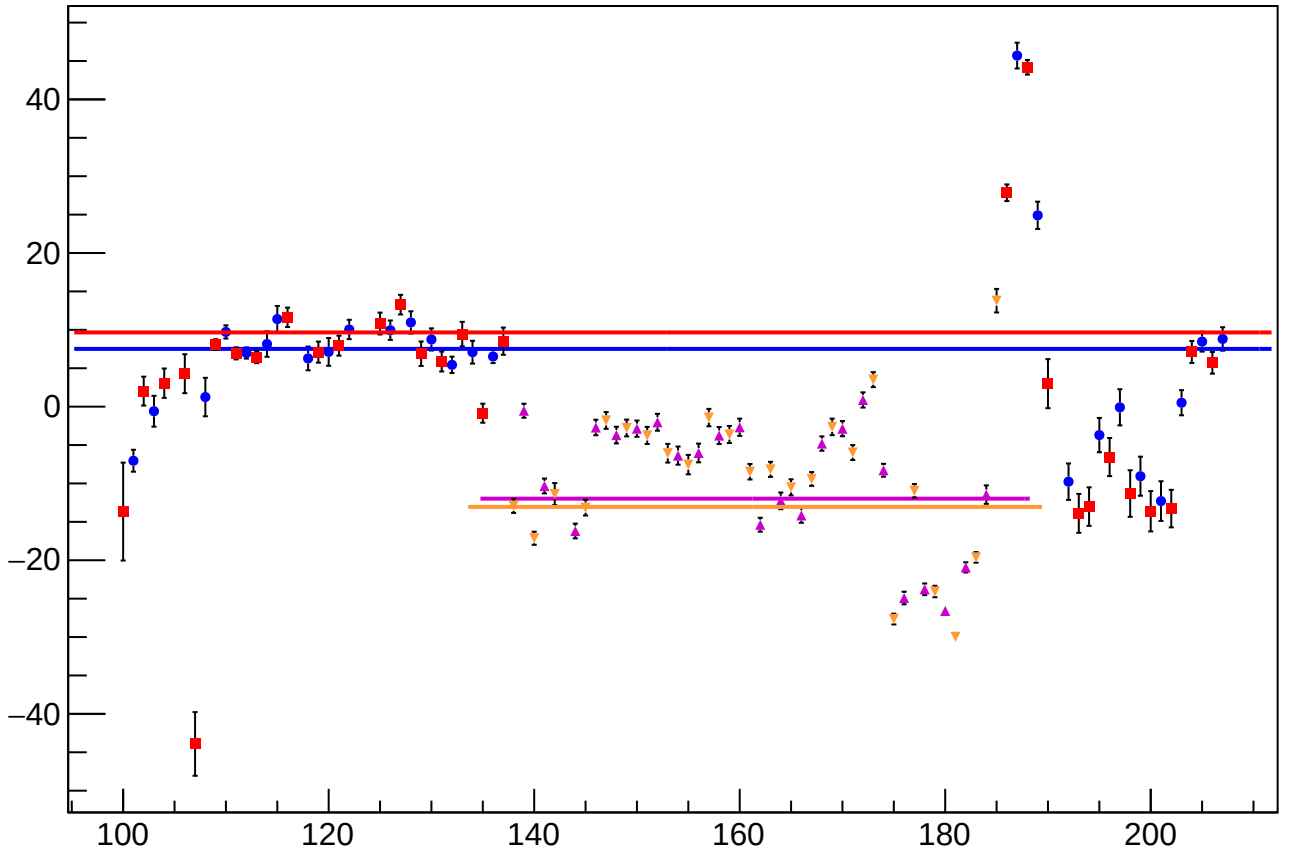
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -40.900+/-0.015 χ^2/NDF: 68398.1/54

In: -39.830+/-0.011 χ^2/NDF:130521.6/48

Out: -40.210+/-0.011 χ^2/NDF:178433.1/52

All: -40.019+/-0.008 χ^2/NDF: 309508.7/101



Right In: 7.518+/-0.273 χ^2/NDF: 980.4/25

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.660+/-0.257 χ^2/NDF: 2387.1/28

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

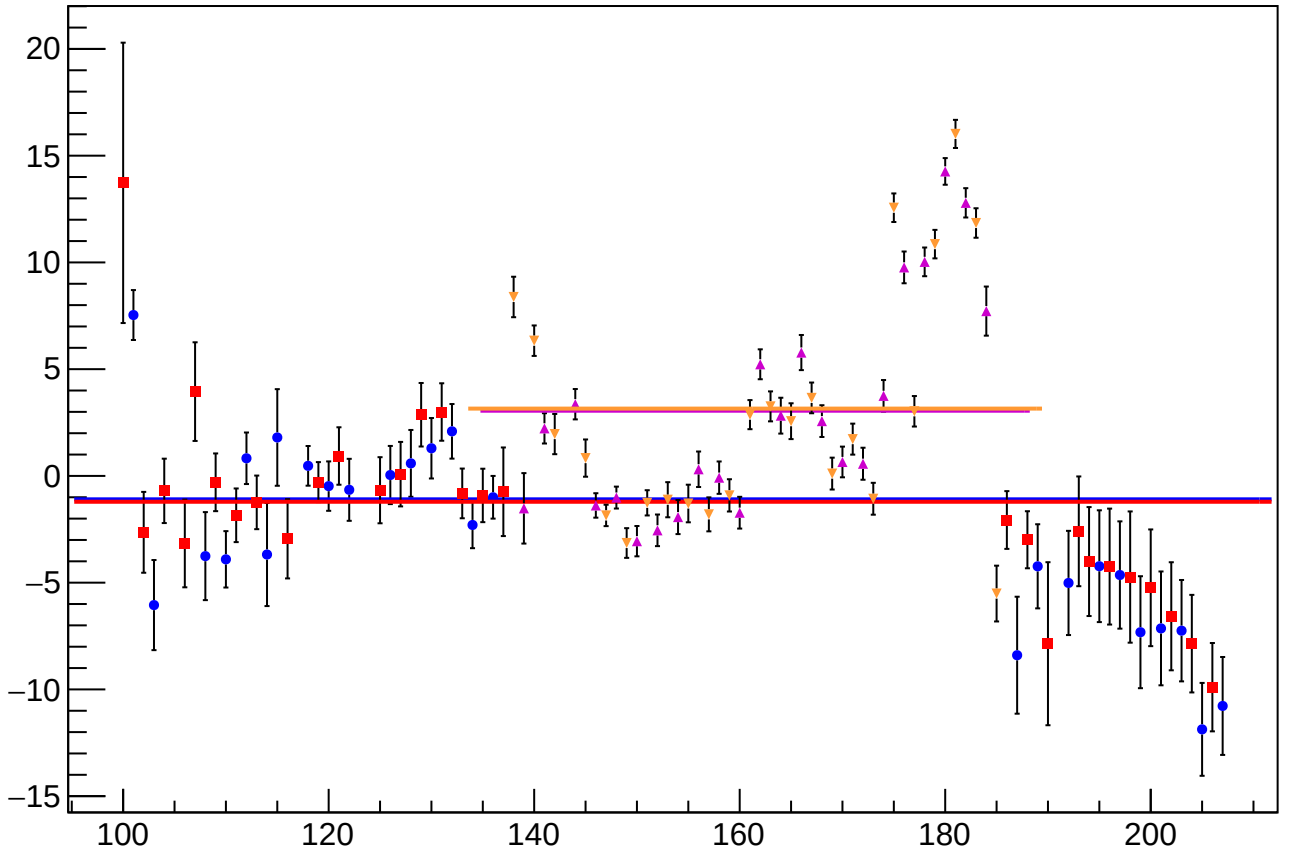
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

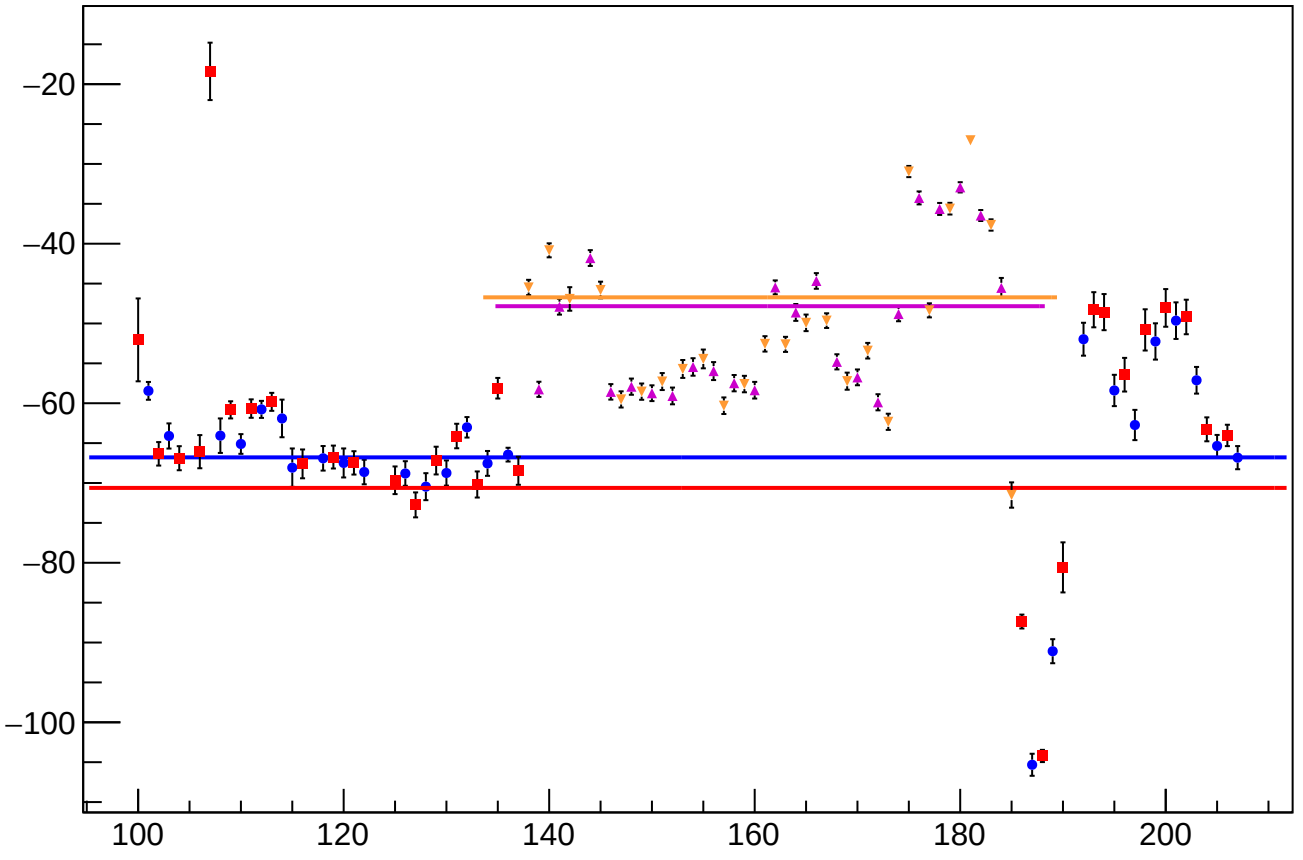
Right: 8.657+/-0.187 χ^2/NDF: 3400.2/54

In: -5.381+/-0.159 χ^2/NDF:6522.8/48

Out: -4.859+/-0.154 χ^2/NDF:10264.7/52

All: -5.112+/-0.111 χ^2/NDF: 16793.1/101


reg_asym_us_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: -1.097+/-0.304 χ²/NDF: 162.4/25
Left Out: 3.153+/-0.149 χ²/NDF:1385.1/23
Right Out: -1.210+/-0.303 χ²/NDF: 77.2/28
Left In: 3.055+/-0.152 χ²/NDF:1145.0/22
Left: 3.105+/-0.106 χ²/NDF: 2530.3/46
Right: -1.154+/-0.215 χ²/NDF: 239.6/54
In: 2.224+/-0.136 χ²/NDF:1456.7/48
Out: 2.304+/-0.134 χ²/NDF:1628.9/52
All: 2.264+/-0.095 χ²/NDF: 3085.8/101



Right In: -66.787+/-0.295 χ^2/NDF: 1360.6/25

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.615+/-0.277 χ^2/NDF: 3467.3/28

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

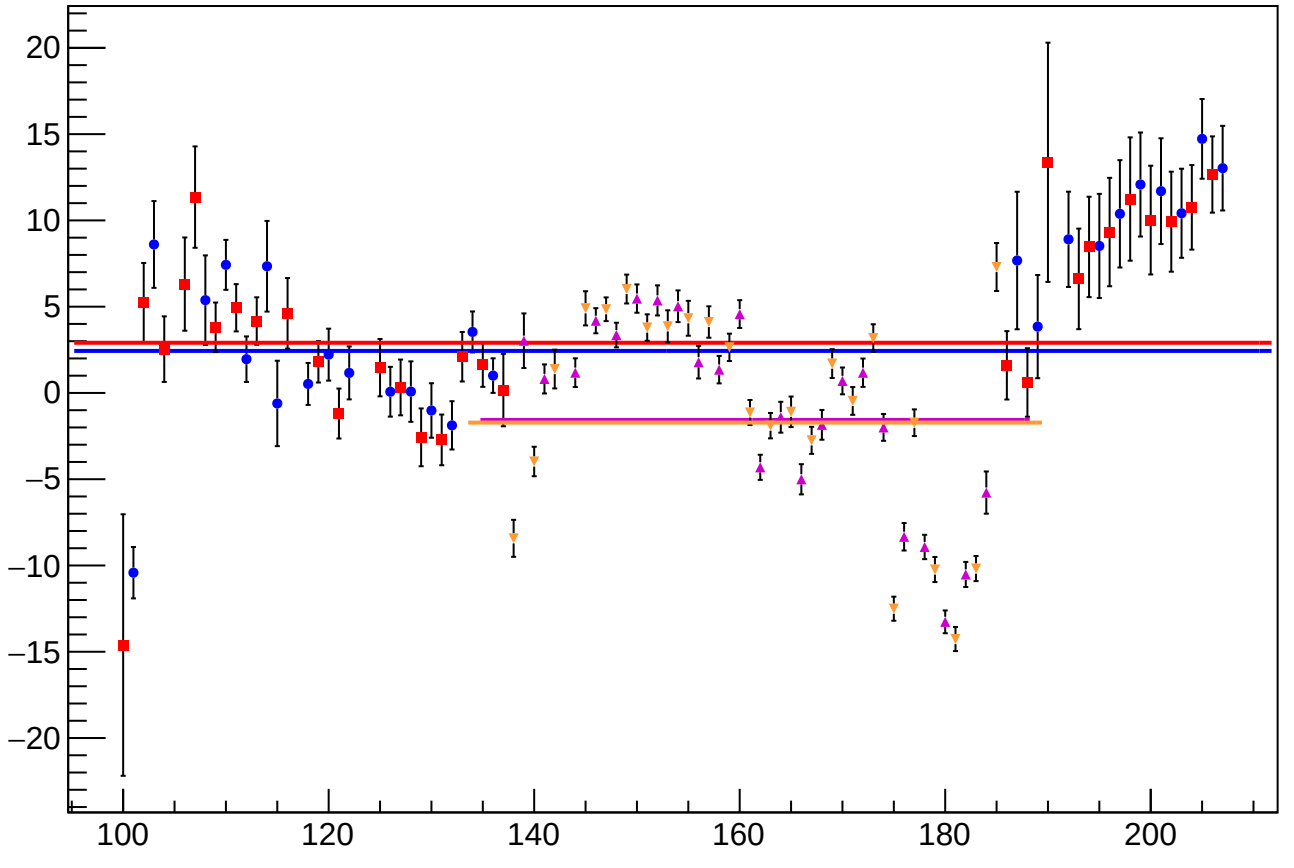
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.821+/-0.202 χ^2/NDF: 4917.1/54

In: -53.538+/-0.162 χ^2/NDF:6794.2/48

Out: -54.435+/-0.158 χ^2/NDF:11934.4/52

All: -53.999+/-0.113 χ^2/NDF: 18744.3/101



Right In: 2.436+/-0.347 χ^2/NDF: 217.6/25

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

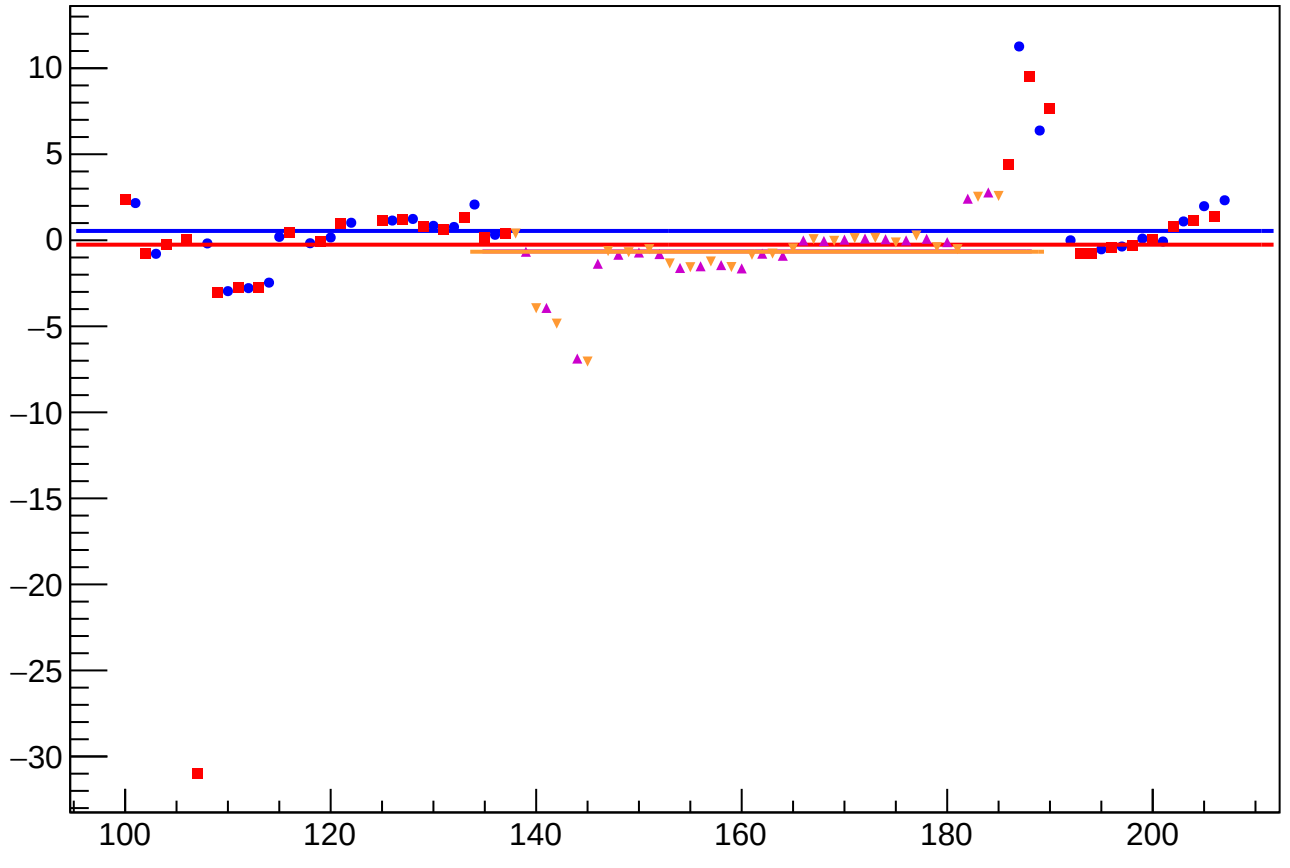
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 2.669+/-0.247 χ^2/NDF: 339.1/54

In: -0.786+/-0.153 χ^2/NDF:1442.7/48

Out: -0.857+/-0.151 χ^2/NDF:1668.2/52

All: -0.822+/-0.108 χ^2/NDF: 3111.0/101



Right In: 0.543+/-0.018 χ^2/NDF: 10280.7/25

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

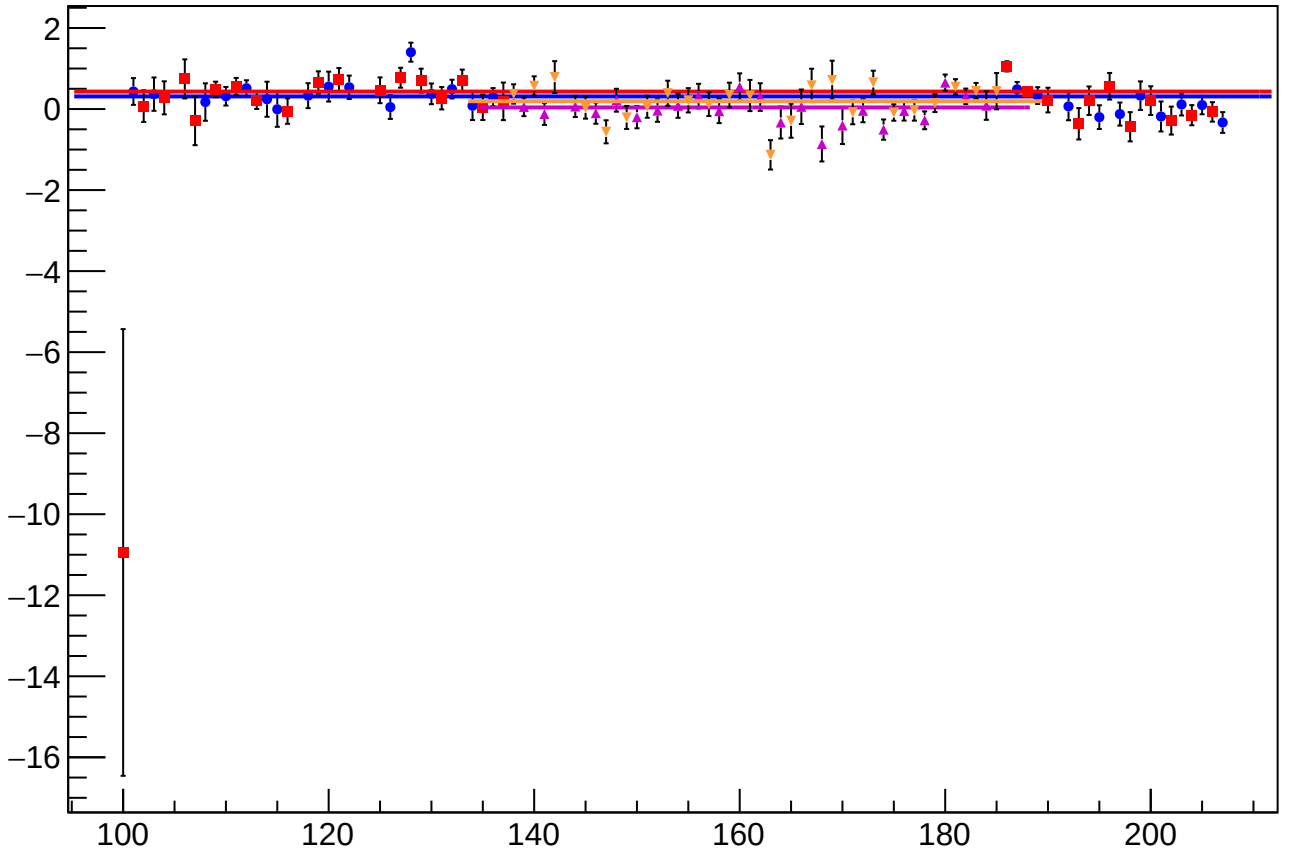
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.150+/-0.013 χ^2/NDF: 72026.2/54

In: -0.461+/-0.007 χ^2/NDF:59718.8/48

Out: -0.604+/-0.007 χ^2/NDF:116452.9/52

All: -0.532+/-0.005 χ^2/NDF: 176385.5/101



Right In: 0.311+/-0.054 χ^2/NDF: 42.9/25

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

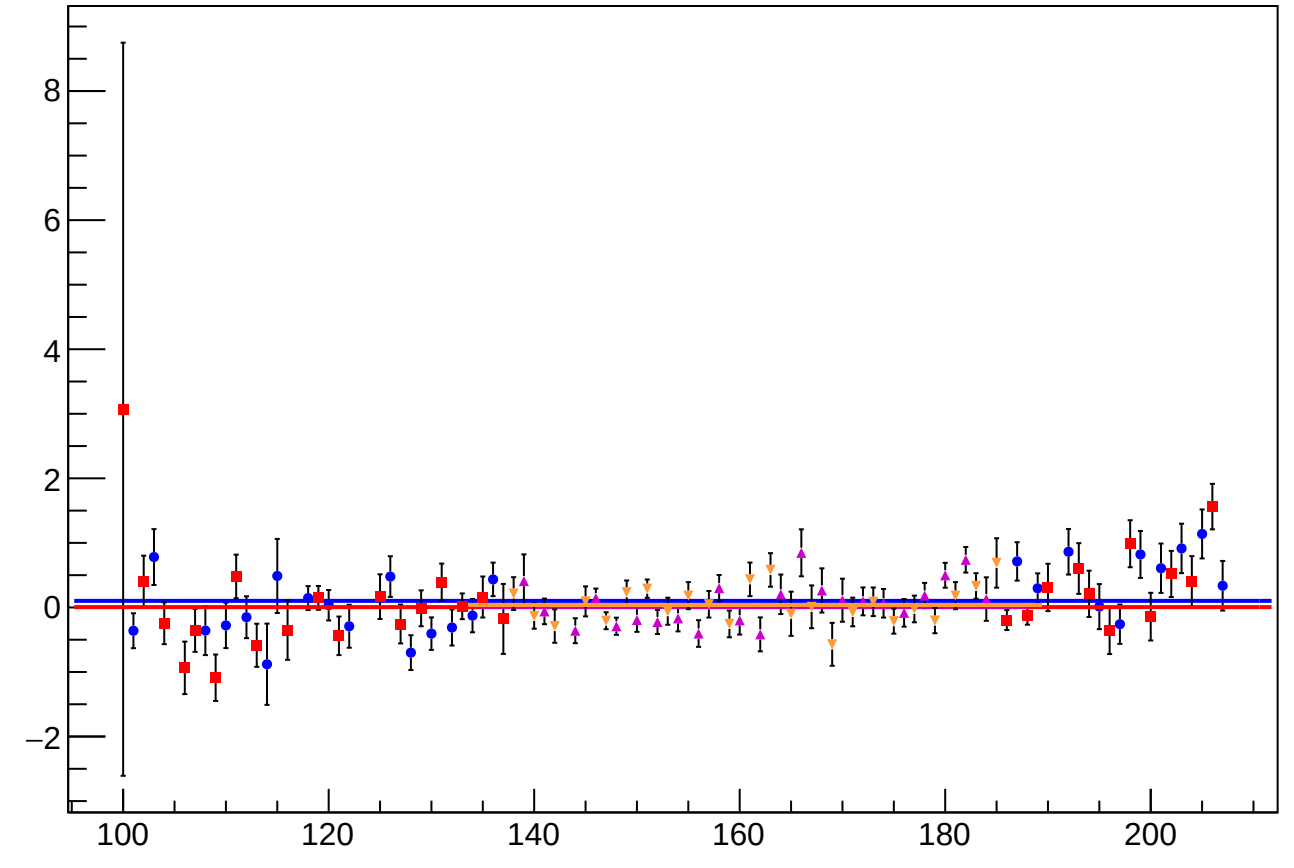
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.379+/-0.035 χ^2/NDF: 114.1/54

In: 0.185+/-0.039 χ^2/NDF:85.4/48

Out: 0.335+/-0.036 χ^2/NDF:123.0/52

All: 0.266+/-0.027 χ^2/NDF: 216.2/101



Right In: 0.102+/-0.060 χ^2/NDF: 61.0/25

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

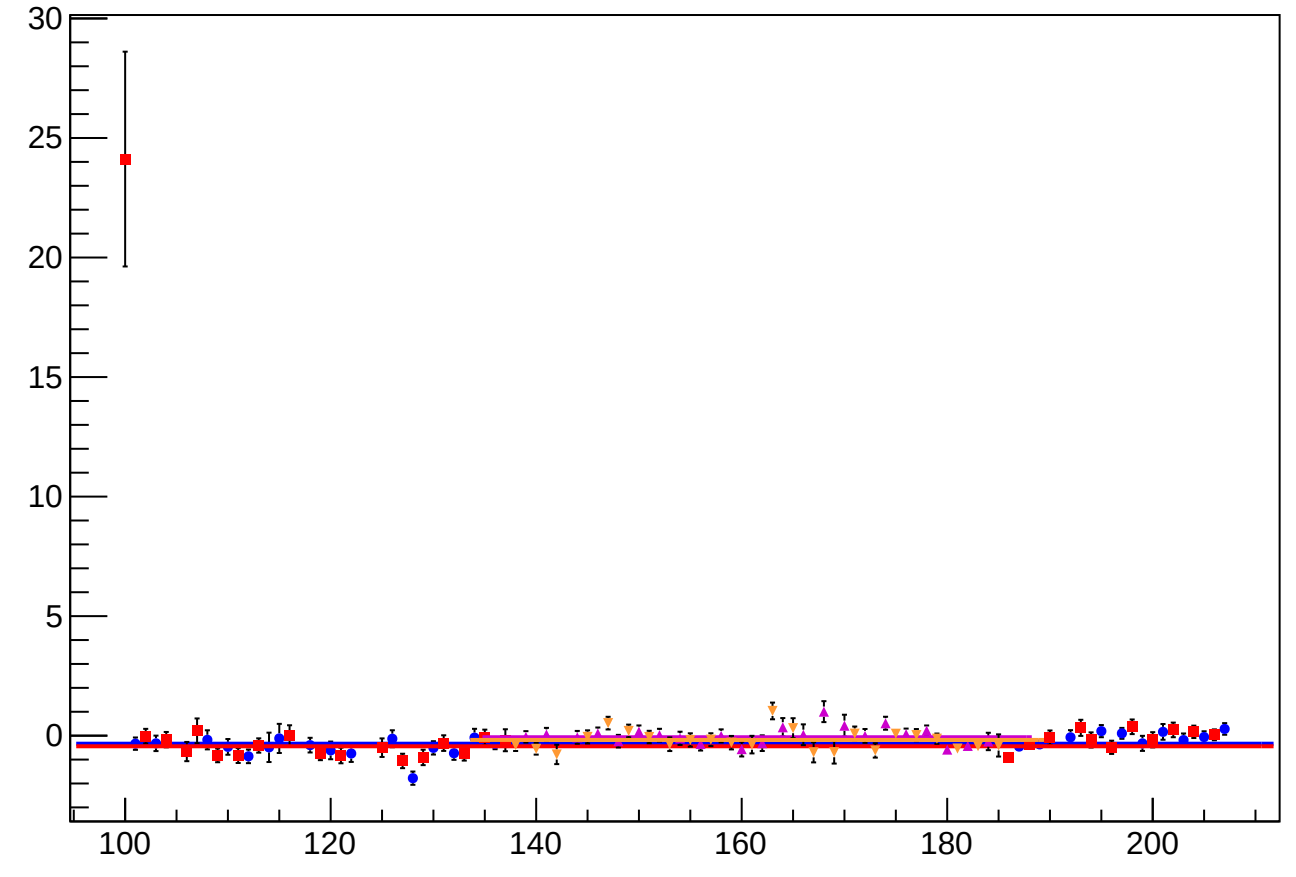
Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

Right: 0.049+/-0.040 χ^2/NDF: 128.6/54

In: 0.041+/-0.036 χ^2/NDF:114.0/48

Out: 0.025+/-0.034 χ^2/NDF:99.1/52

All: 0.033+/-0.025 χ^2/NDF: 213.2/101



Right In: -0.336+/-0.054 χ^2/NDF: 55.8/25

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.444+/-0.045 χ^2/NDF: 100.8/28

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

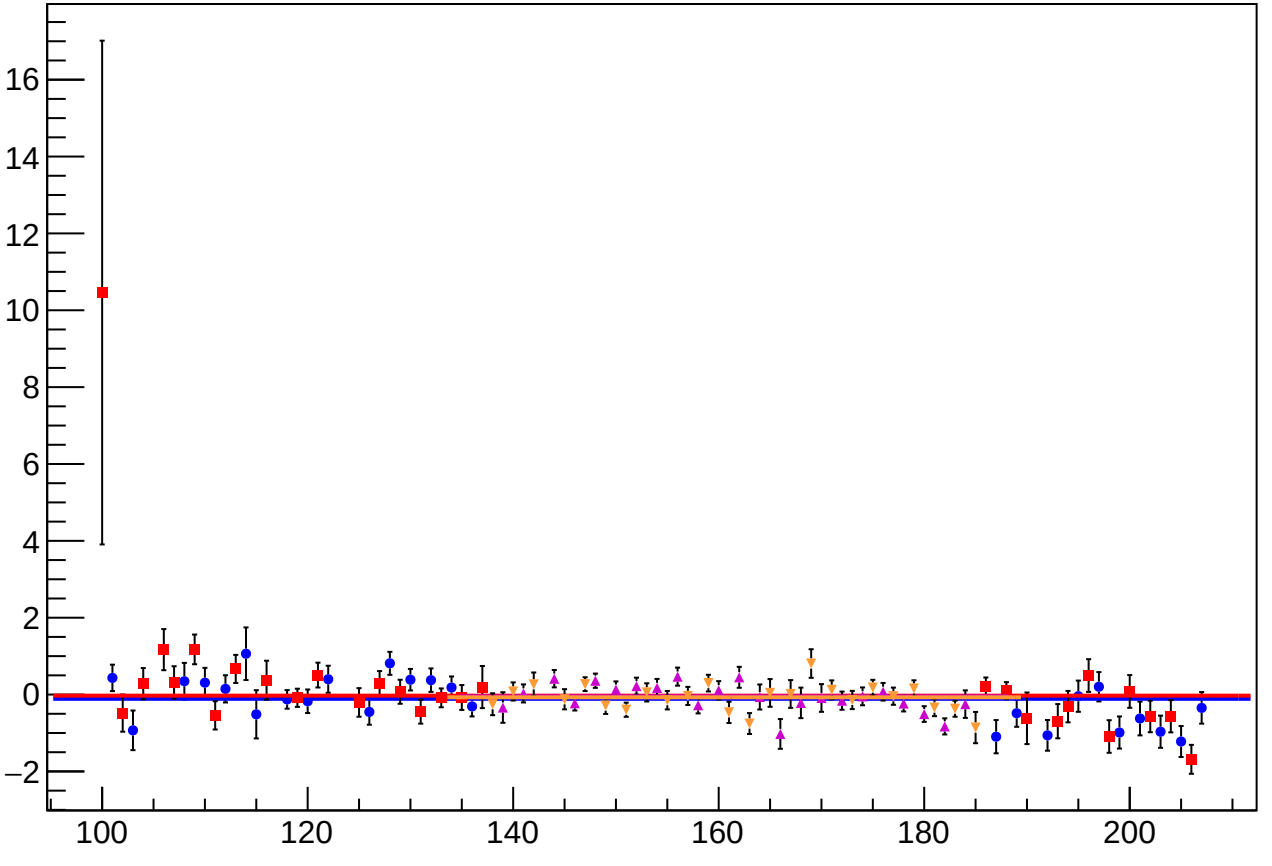
Right: -0.400+/-0.034 χ^2/NDF: 159.0/54

In: -0.209+/-0.039 χ^2/NDF:99.2/48

Out: -0.341+/-0.035 χ^2/NDF:156.6/52

All: -0.282+/-0.026 χ^2/NDF: 262.2/101

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.110+/-0.070 χ^2/NDF: 61.6/25

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

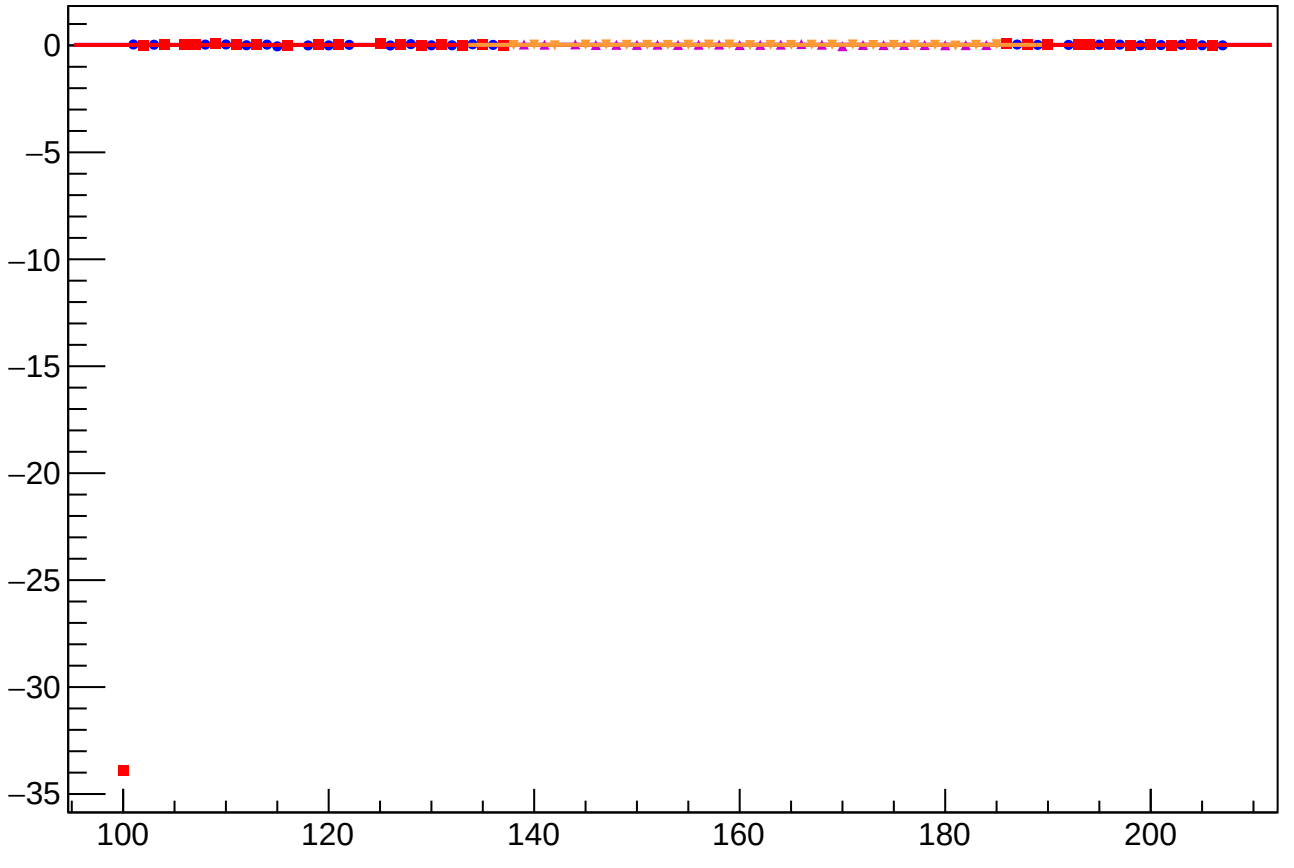
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.067+/-0.048 χ^2/NDF: 129.6/54

In: -0.069+/-0.041 χ^2/NDF:112.6/48

Out: -0.056+/-0.040 χ^2/NDF:105.3/52

All: -0.062+/-0.028 χ^2/NDF: 217.9/101



Right In: 0.024+/-0.003 χ^2/NDF: 22.2/25

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

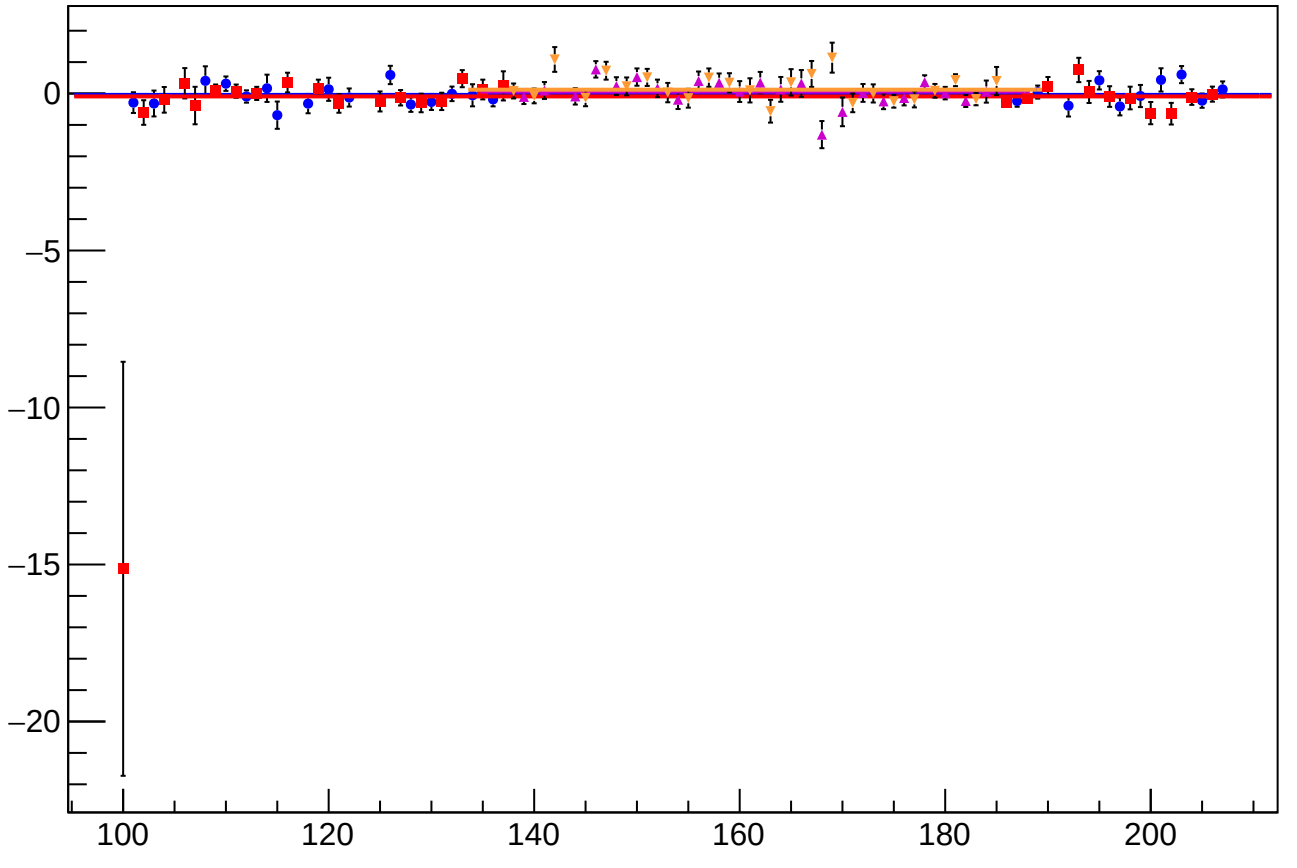
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.023+/-0.002 χ^2/NDF: 22337.4/54

In: 0.026+/-0.002 χ^2/NDF:61.9/48

Out: 0.025+/-0.002 χ^2/NDF:22347.6/52

All: 0.025+/-0.001 χ^2/NDF: 22409.6/101



Right In: -0.044+/-0.054 χ^2/NDF: 30.6/25

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

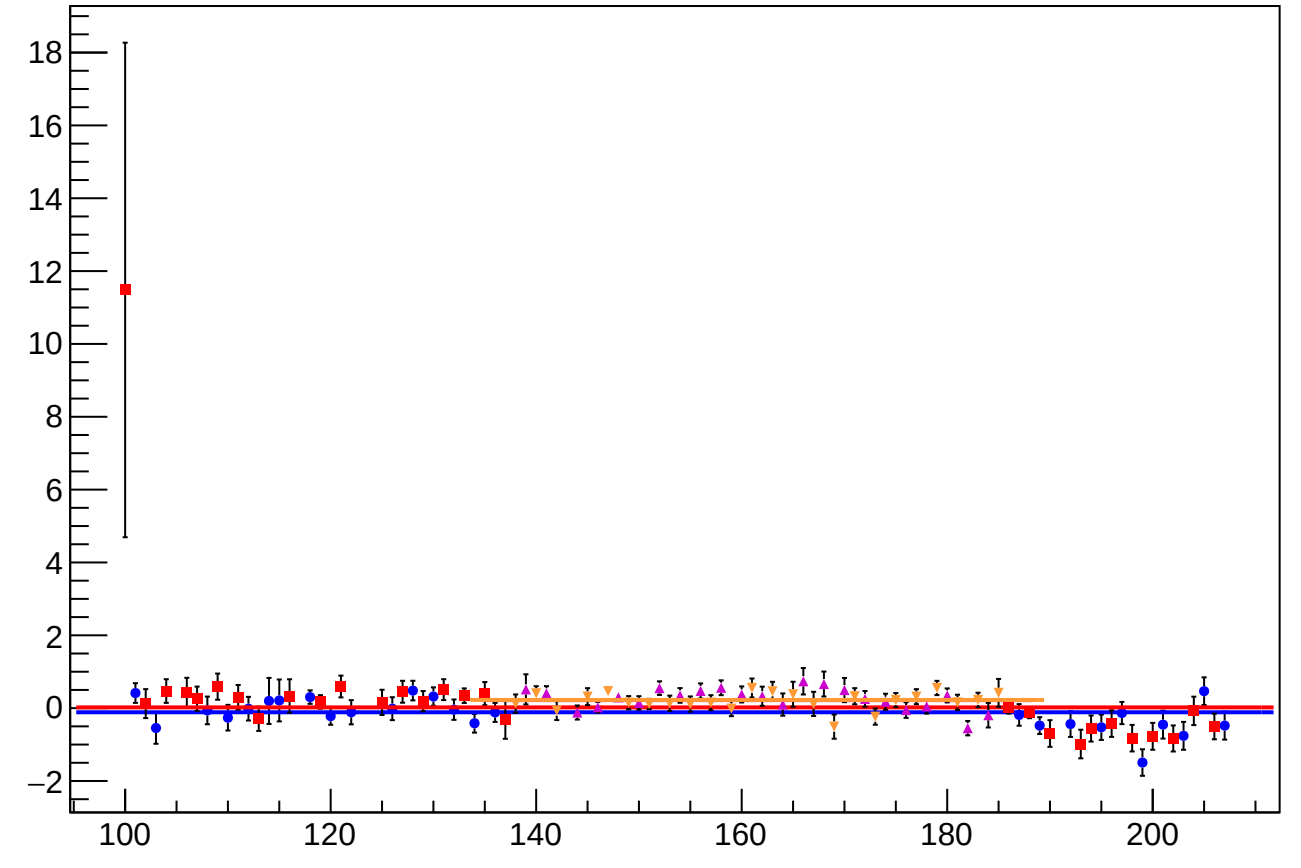
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.071+/-0.035 χ^2/NDF: 64.7/54

In: 0.006+/-0.039 χ^2/NDF:66.7/48

Out: -0.005+/-0.036 χ^2/NDF:81.7/52

All: -0.000+/-0.027 χ^2/NDF: 148.4/101



Right In: -0.113+/-0.060 χ^2/NDF: 46.4/25

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

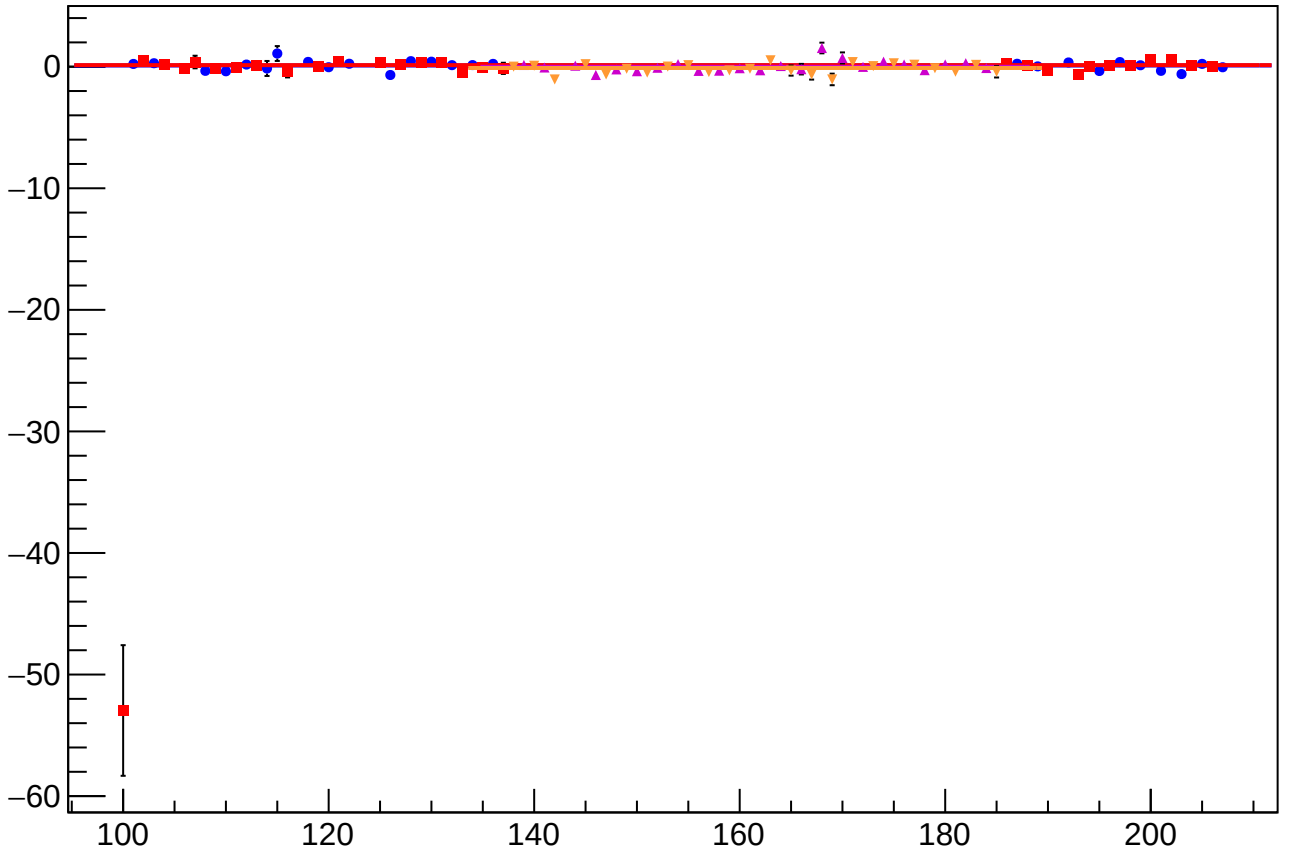
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.040+/-0.040 χ^2/NDF: 107.6/54

In: 0.103+/-0.036 χ^2/NDF:106.0/48

Out: 0.146+/-0.034 χ^2/NDF:91.1/52

All: 0.125+/-0.025 χ^2/NDF: 197.9/101



Right In: 0.101+/-0.054 χ^2/NDF: 31.5/25

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

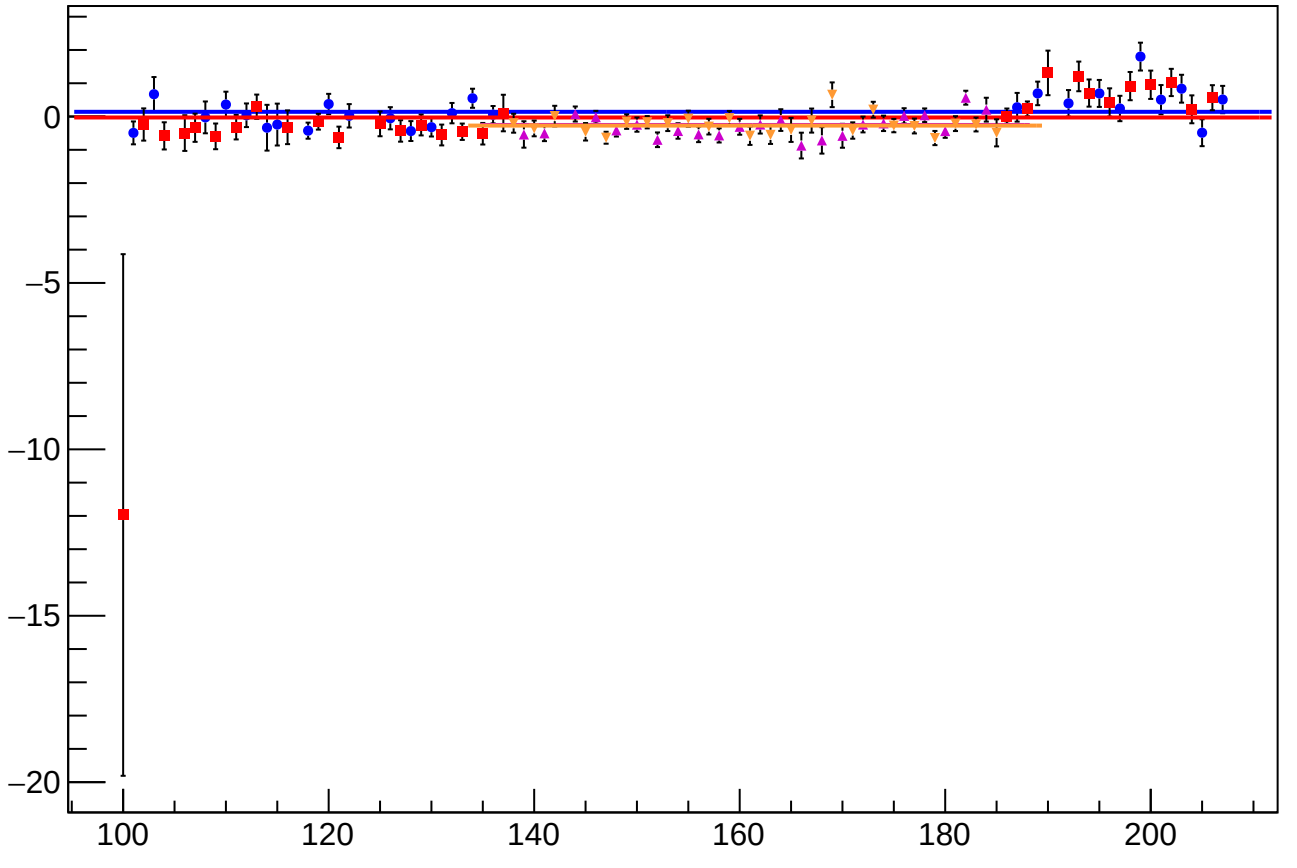
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.117+/-0.034 χ^2/NDF: 154.5/54

In: 0.049+/-0.039 χ^2/NDF:71.5/48

Out: 0.038+/-0.035 χ^2/NDF:170.9/52

All: 0.043+/-0.026 χ^2/NDF: 242.5/101



Right In: 0.142+/-0.070 χ^2/NDF: 48.2/25

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

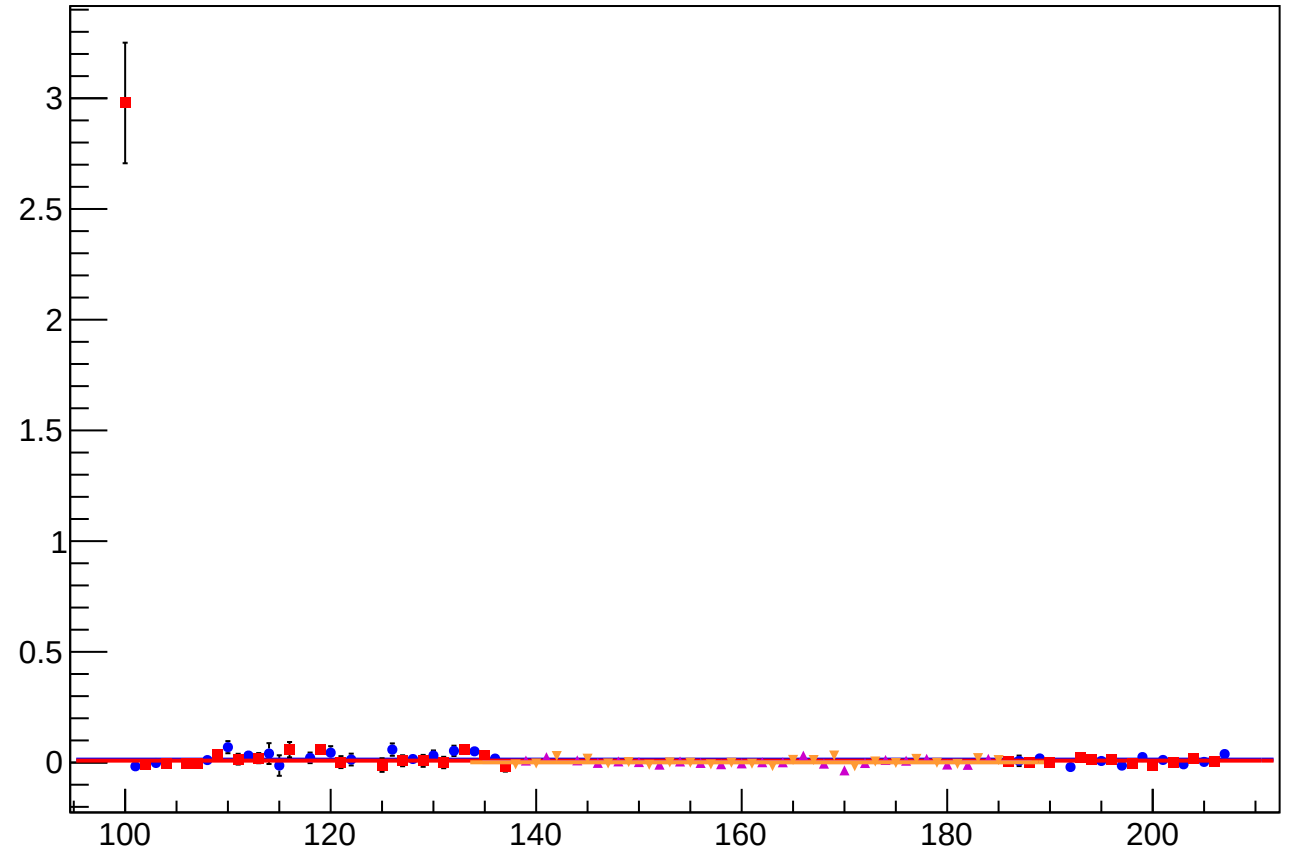
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.052+/-0.048 χ^2/NDF: 112.3/54

In: -0.120+/-0.041 χ^2/NDF:109.9/48

Out: -0.185+/-0.040 χ^2/NDF:94.4/52

All: -0.154+/-0.028 χ^2/NDF: 205.6/101



Right In: 0.013+/-0.003 χ^2/NDF: 42.8/25

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

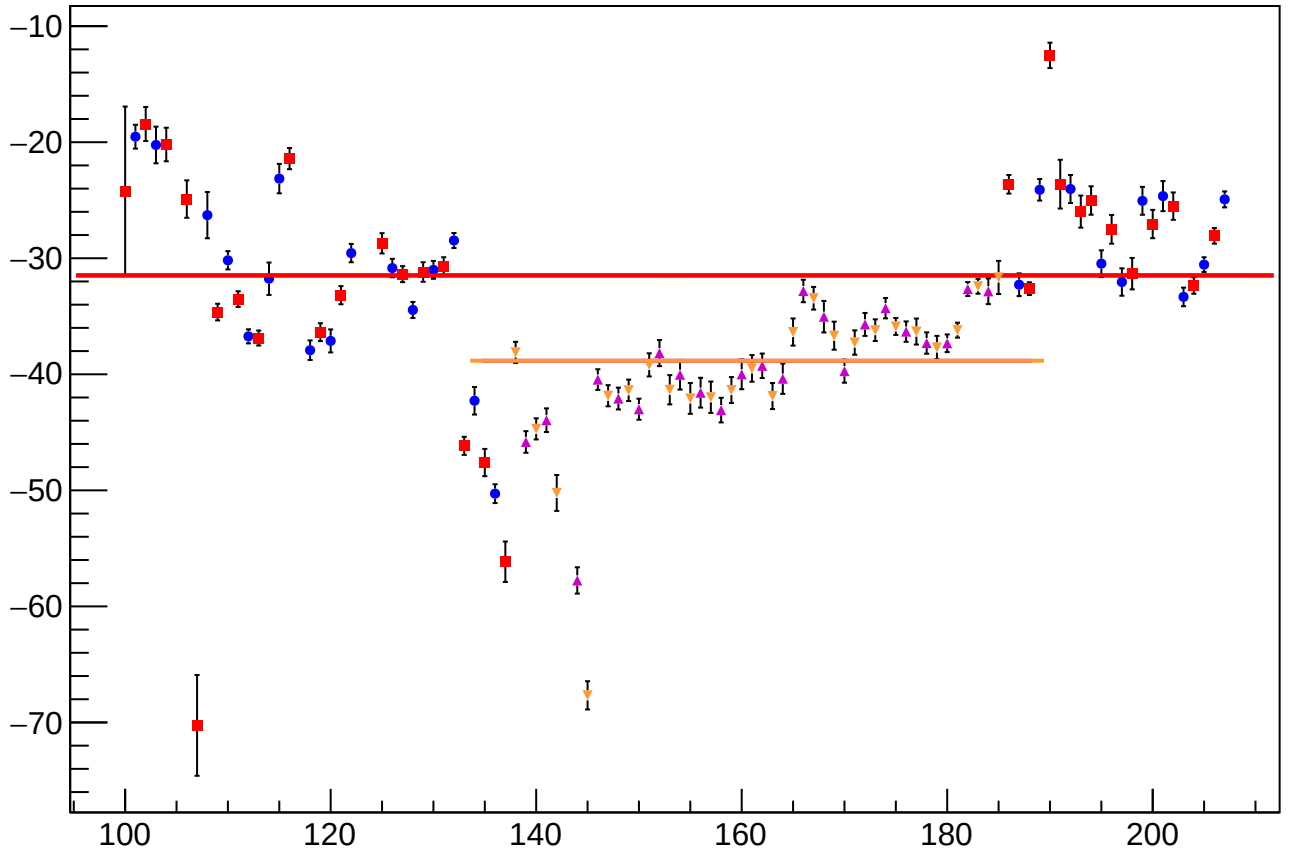
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 193.5/54

In: 0.006+/-0.002 χ^2/NDF:75.1/48

Out: 0.004+/-0.002 χ^2/NDF:180.3/52

All: 0.005+/-0.001 χ^2/NDF: 256.0/101



Right In: -31.485+/-0.175 χ^2/NDF: 1329.6/25

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.472+/-0.168 χ^2/NDF: 1792.2/29

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

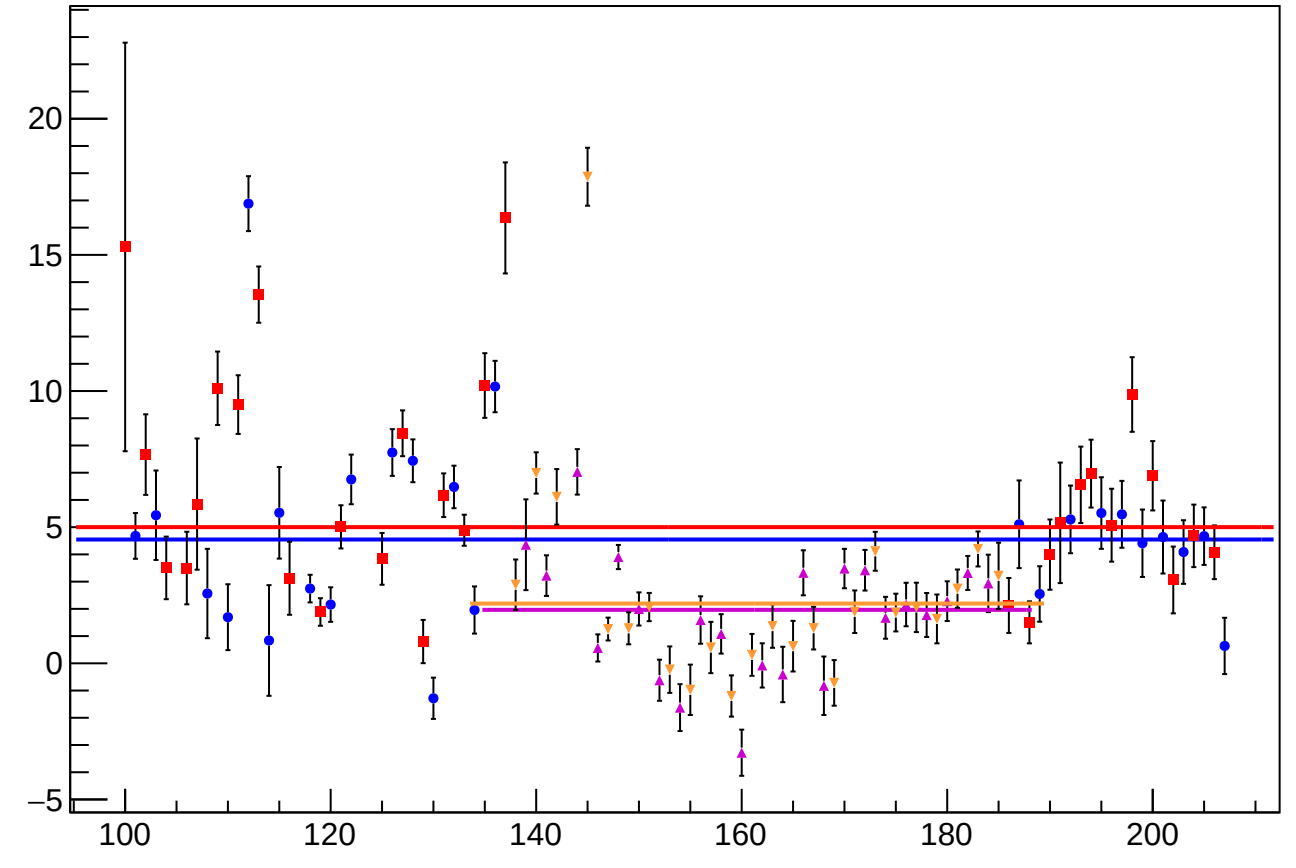
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.478+/-0.121 χ^2/NDF: 3121.9/55

In: -34.602+/-0.132 χ^2/NDF:2735.6/48

Out: -34.474+/-0.129 χ^2/NDF:3494.1/53

All: -34.536+/-0.092 χ^2/NDF: 6230.2/102



Right In: 4.547+/-0.190 χ^2/NDF: 350.3/25

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

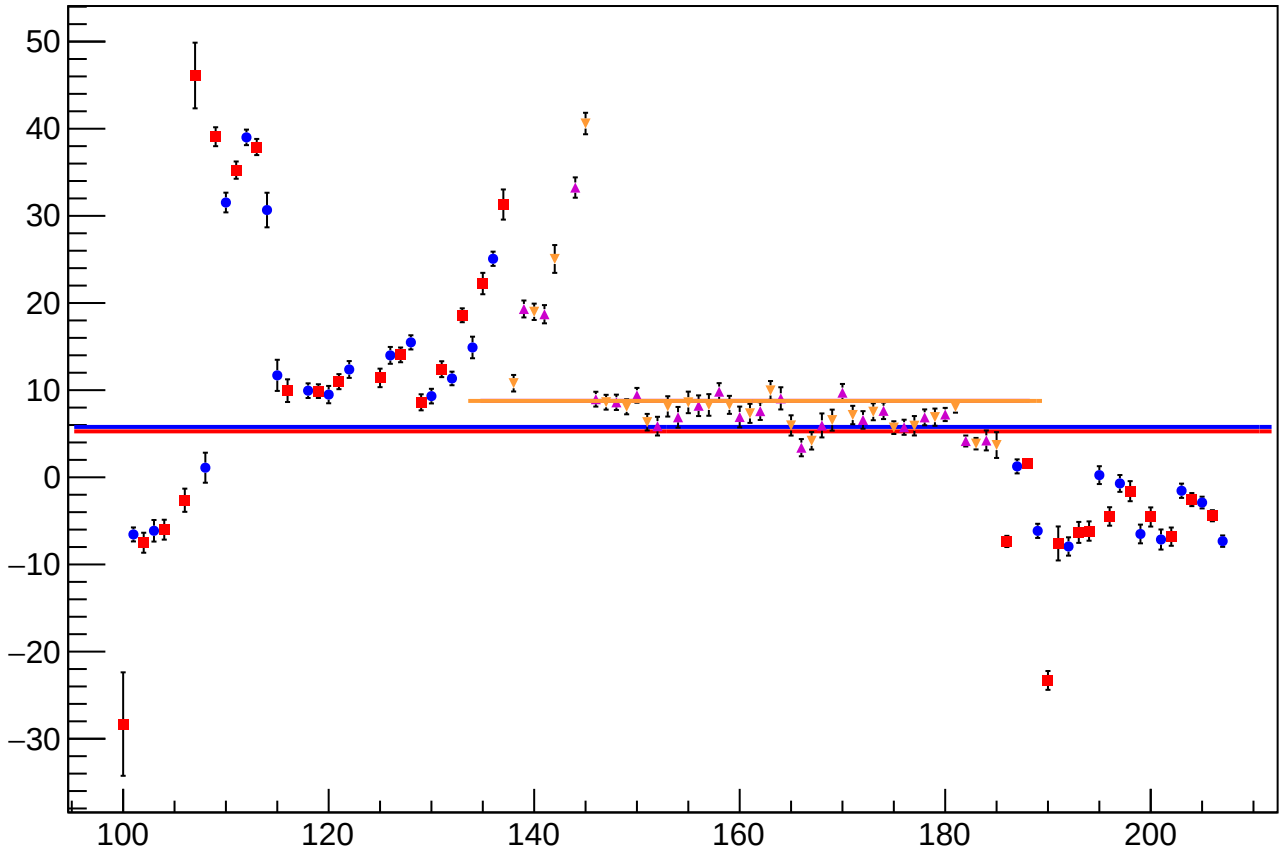
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.778+/-0.133 χ^2/NDF: 651.2/55

In: 2.997+/-0.120 χ^2/NDF:634.9/48

Out: 3.318+/-0.118 χ^2/NDF:799.2/53

All: 3.160+/-0.084 χ^2/NDF: 1437.8/102



Right In: 5.782+/-0.182 χ^2/NDF: 4785.2/25

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

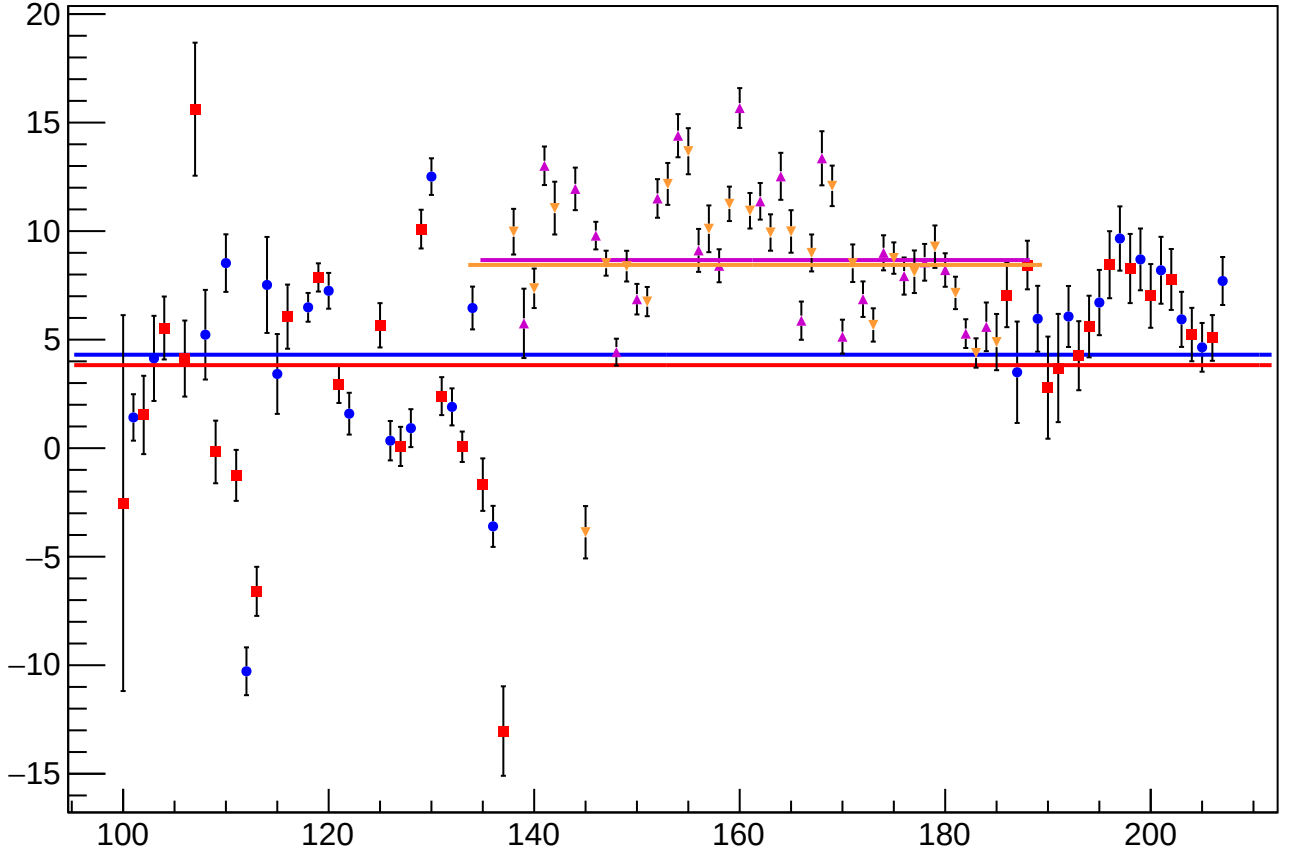
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

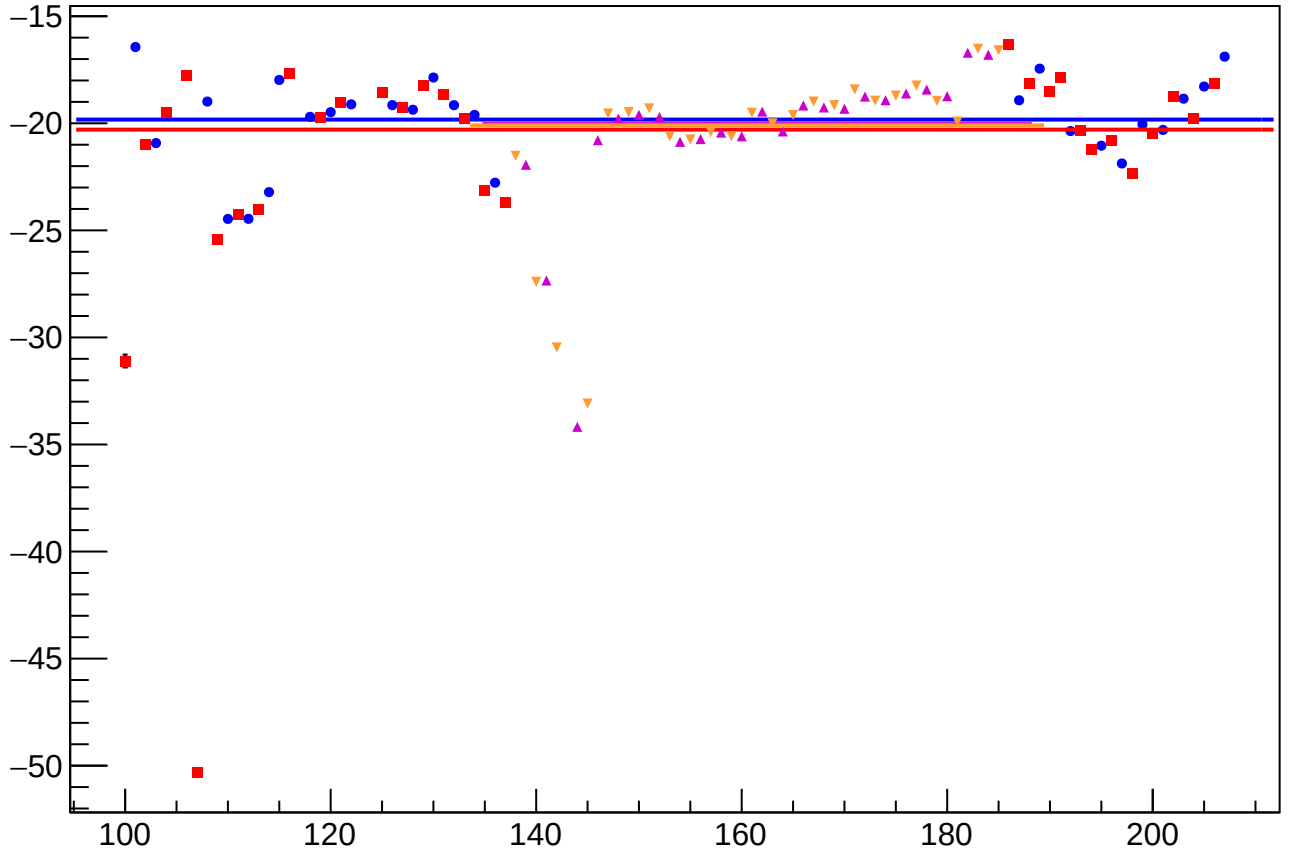
Right: 5.512+/-0.125 χ^2/NDF: 11391.6/55

In: 7.129+/-0.135 χ^2/NDF:5701.4/48

Out: 6.755+/-0.131 χ^2/NDF:7812.5/53

All: 6.936+/-0.094 χ^2/NDF: 13517.9/102


reg_asym_left_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: 4.305+/-0.220 χ²/NDF: 483.8/25
Left Out: 8.442+/-0.174 χ²/NDF:264.2/23
Right Out: 3.825+/-0.219 χ²/NDF: 416.3/29
Left In: 8.666+/-0.176 χ²/NDF:304.8/22
Left: 8.553+/-0.123 χ²/NDF: 569.8/46
Right: 4.064+/-0.155 χ²/NDF: 902.6/55
In: 6.966+/-0.137 χ²/NDF:1028.9/48
Out: 6.656+/-0.136 χ²/NDF:954.3/53
All: 6.810+/-0.097 χ²/NDF: 1985.8/102



Right In: -19.826+/-0.011 χ^2/NDF: 30994.1/25

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.296+/-0.011 χ^2/NDF: 71472.4/29

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

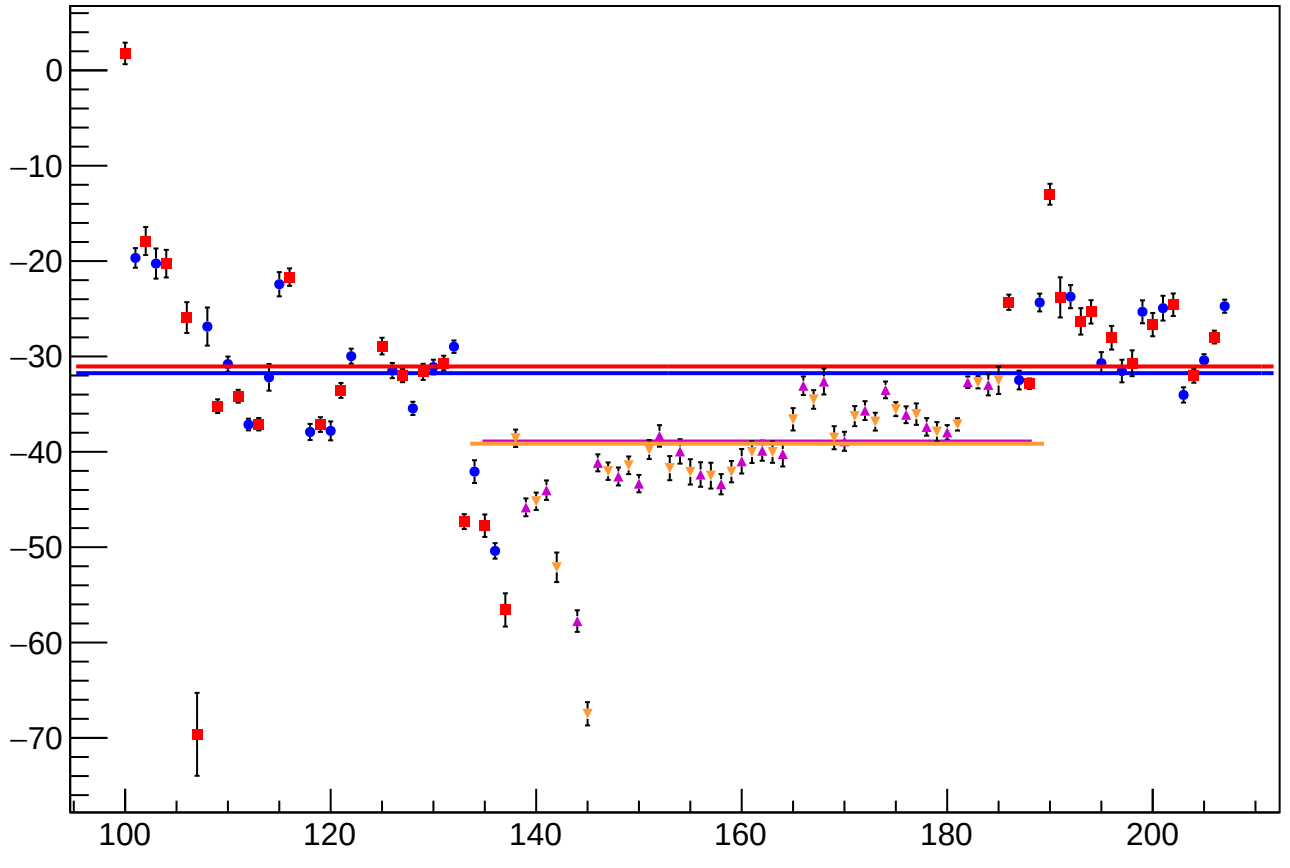
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

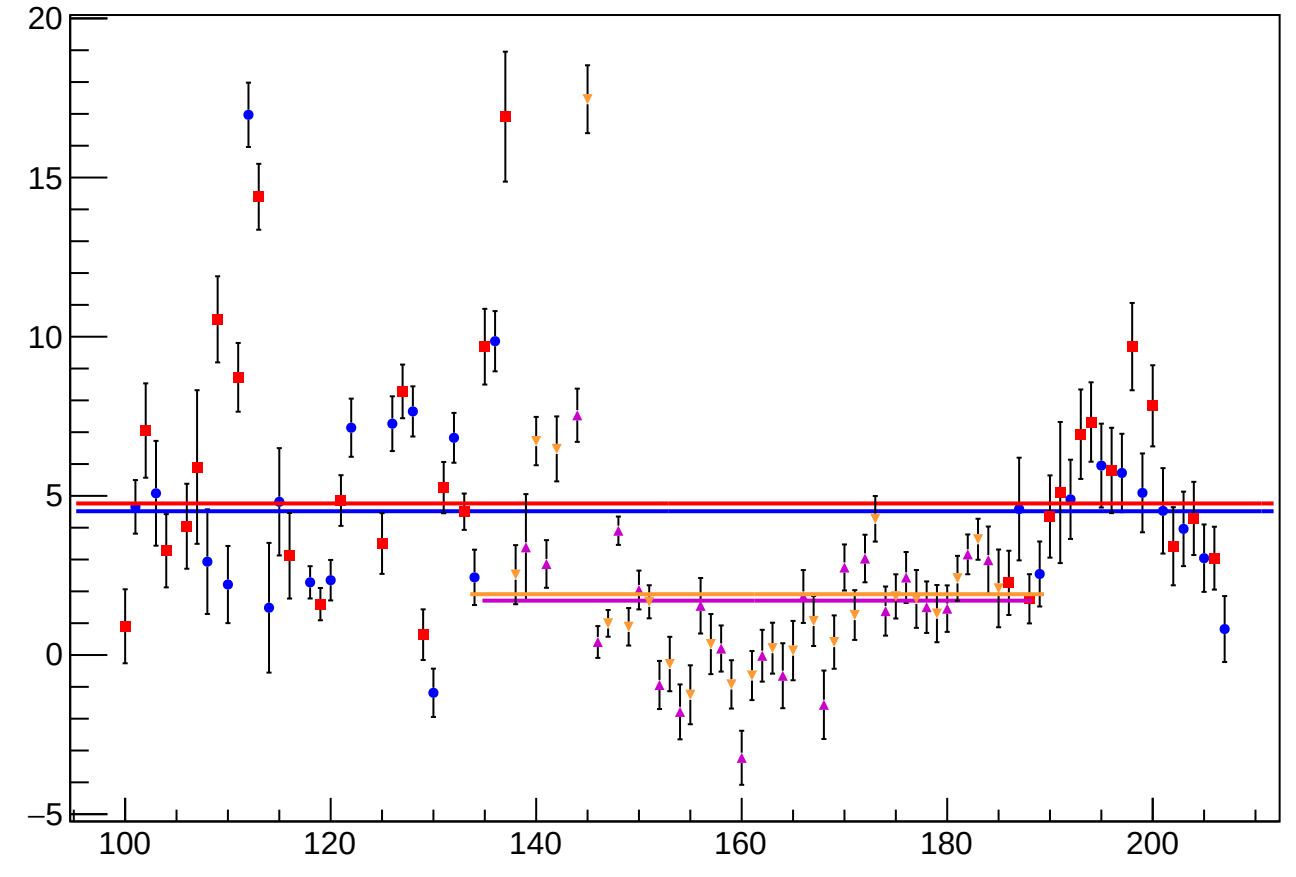
Right: -20.067+/-0.008 χ^2/NDF: 103390.1/55

In: -19.966+/-0.006 χ^2/NDF:163527.1/48

Out: -20.166+/-0.006 χ^2/NDF:230989.1/53

All: -20.067+/-0.005 χ^2/NDF: 395002.2/102


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: -31.751+/-0.175 χ²/NDF: 1355.8/25
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: -31.382+/-0.120 χ²/NDF: 4083.4/55
In: -34.792+/-0.133 χ²/NDF:2753.2/48
Out: -34.311+/-0.128 χ²/NDF:4573.8/53
All: -34.544+/-0.092 χ²/NDF: 7333.8/102



Right In: 4.517+/-0.190 χ^2/NDF: 347.9/25

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

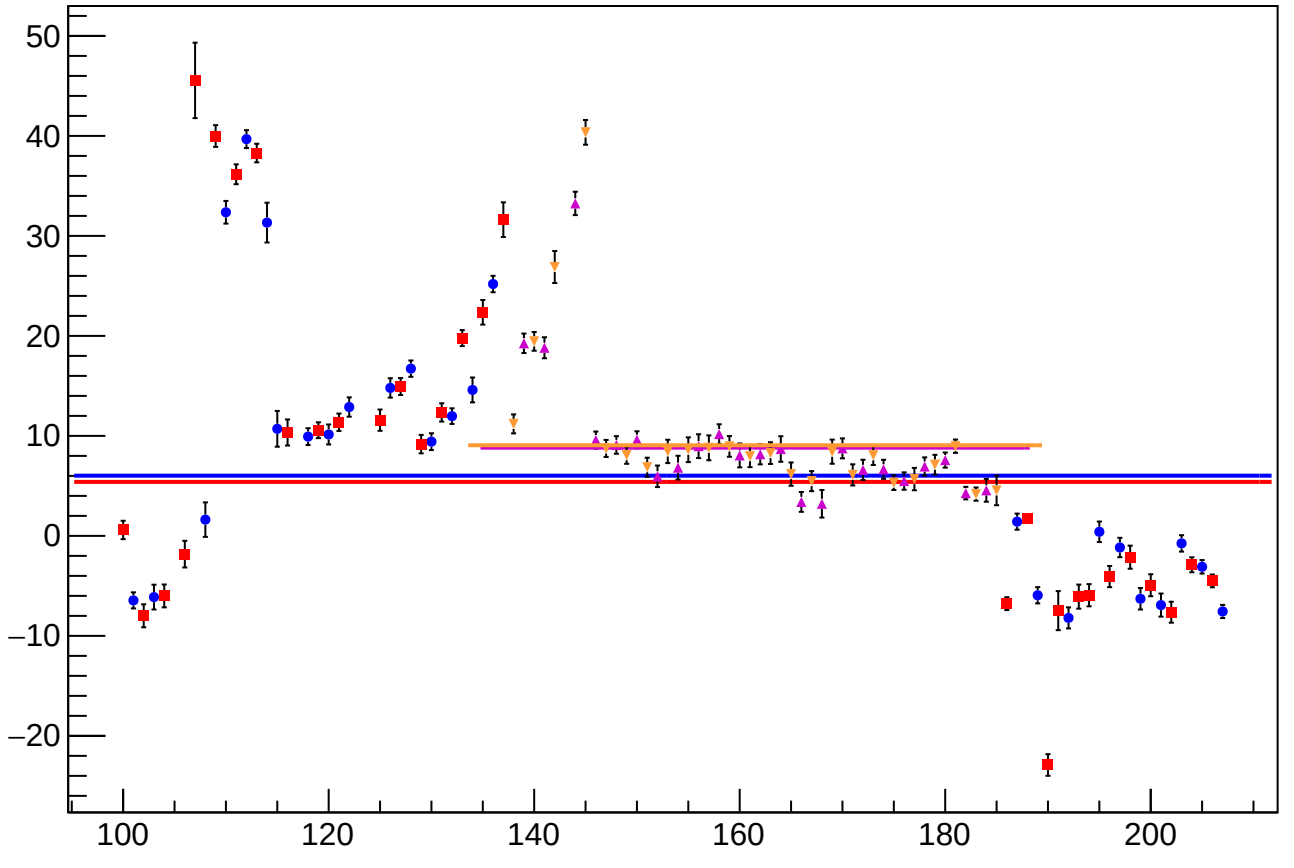
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.643+/-0.132 χ^2/NDF: 673.8/55

In: 2.831+/-0.120 χ^2/NDF:661.7/48

Out: 3.069+/-0.117 χ^2/NDF:826.4/53

All: 2.953+/-0.084 χ^2/NDF: 1490.1/102



Right In: 6.022+/-0.183 χ^2/NDF: 4935.0/25

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

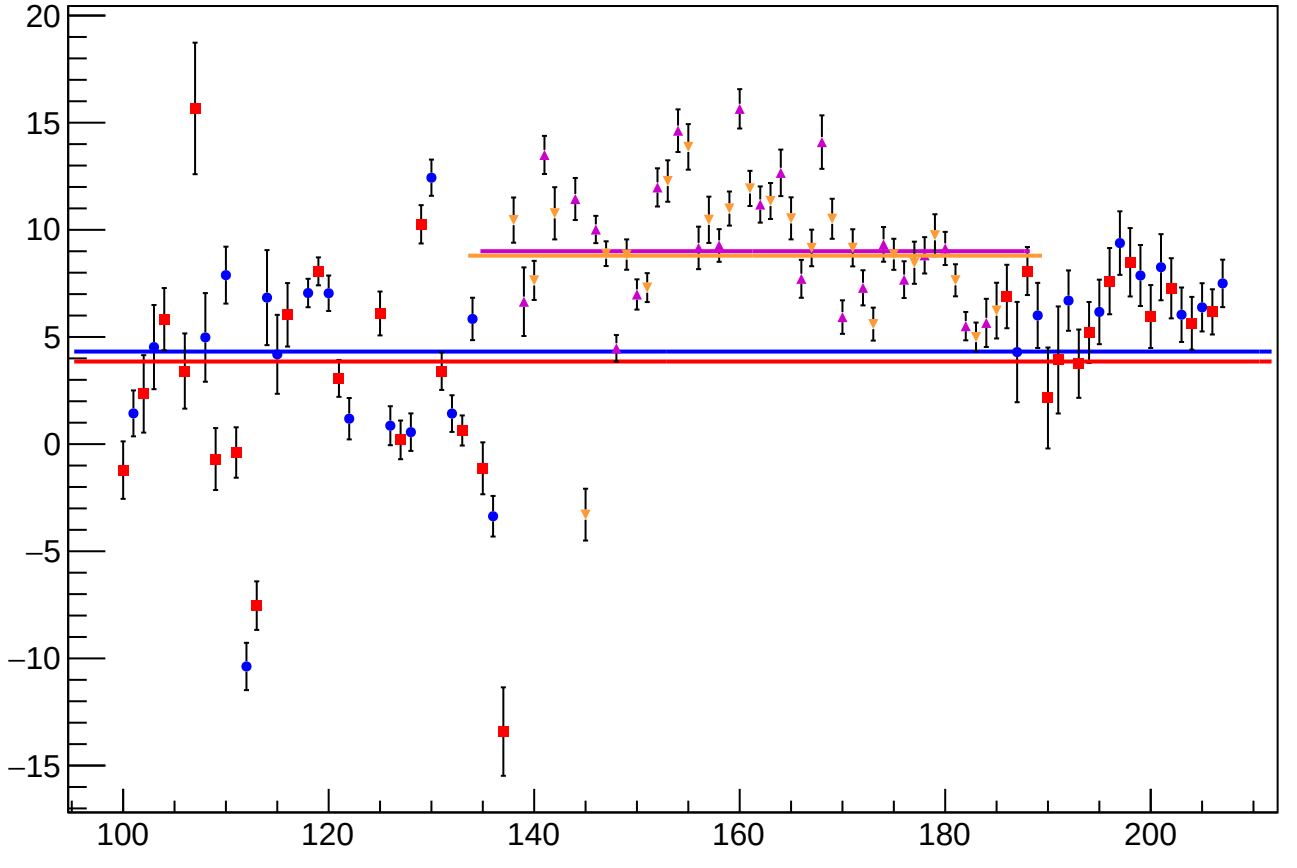
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 5.687+/-0.124 χ^2/NDF: 11726.6/55

In: 7.285+/-0.135 χ^2/NDF:5842.5/48

Out: 6.923+/-0.130 χ^2/NDF:8012.8/53

All: 7.096+/-0.094 χ^2/NDF: 13859.1/102



Right In: 4.319+/-0.220 χ^2/NDF: 479.6/25

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

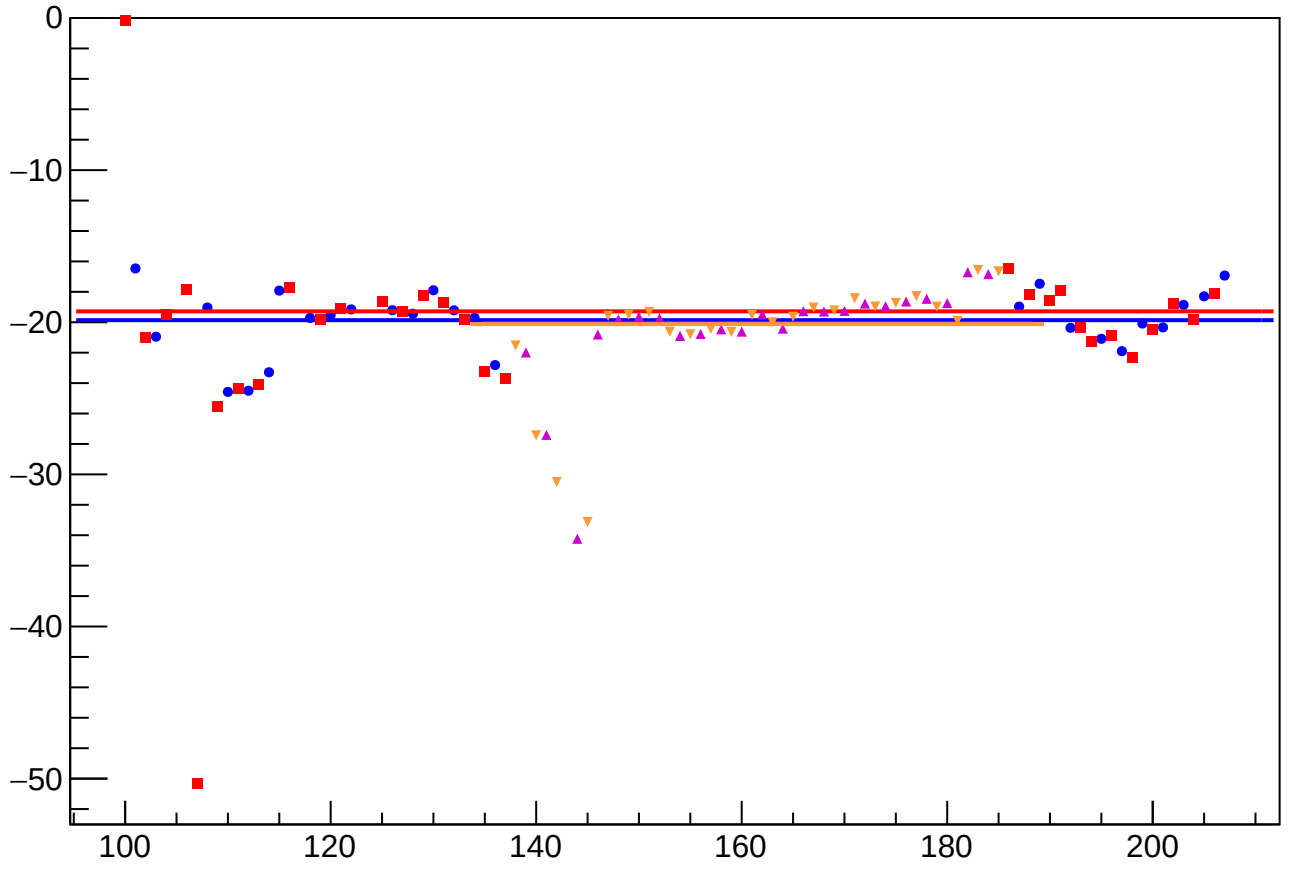
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 4.083+/-0.154 χ^2/NDF: 911.9/55

In: 7.178+/-0.137 χ^2/NDF:1045.4/48

Out: 6.853+/-0.135 χ^2/NDF:991.1/53

All: 7.013+/-0.096 χ^2/NDF: 2039.3/102



Right In: -19.862+/-0.011 χ^2/NDF: 31011.5/25

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

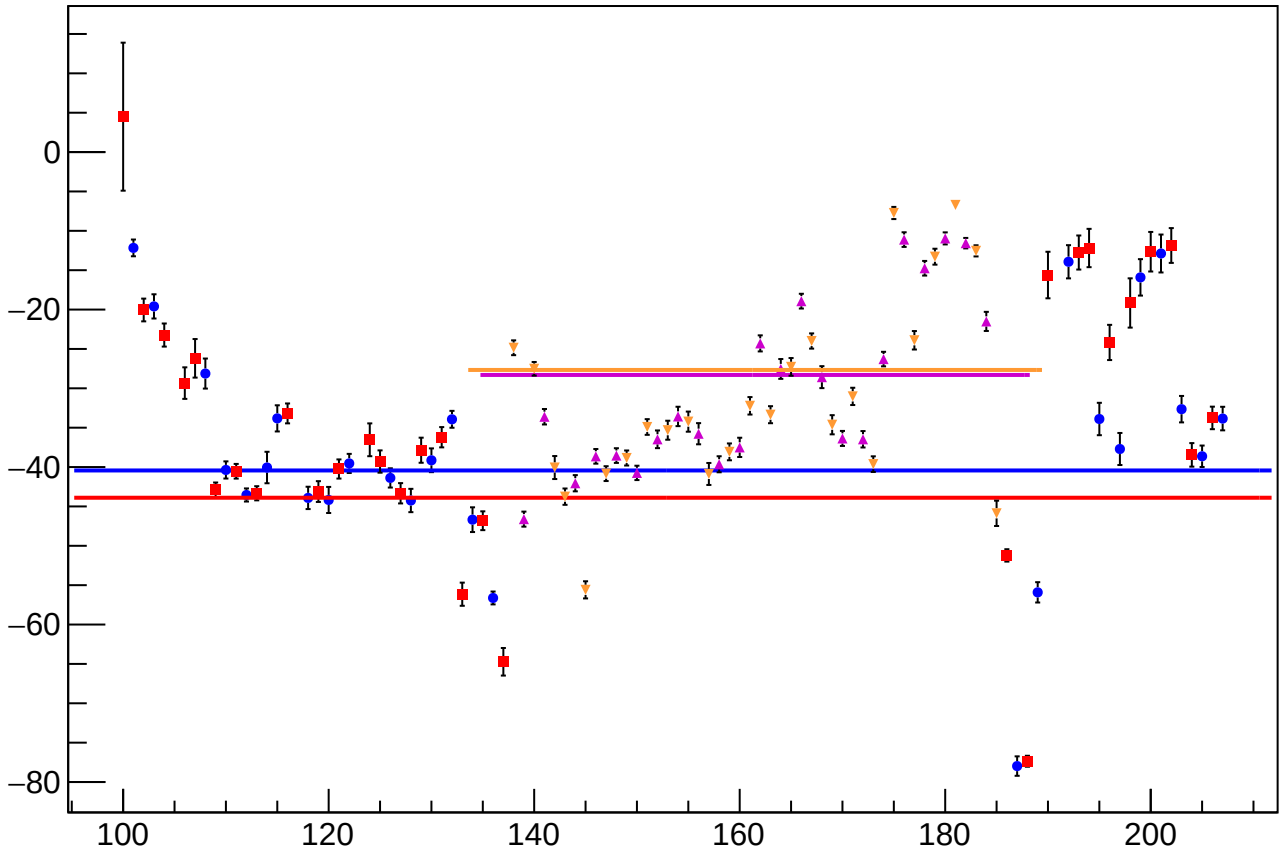
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.558+/-0.008 χ^2/NDF: 279976.1/55

In: -19.995+/-0.006 χ^2/NDF:163918.4/48

Out: -19.820+/-0.006 χ^2/NDF:410162.9/53

All: -19.906+/-0.005 χ^2/NDF: 574459.5/102



Right In: -40.432+/-0.267 χ^2/NDF: 2950.0/25

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

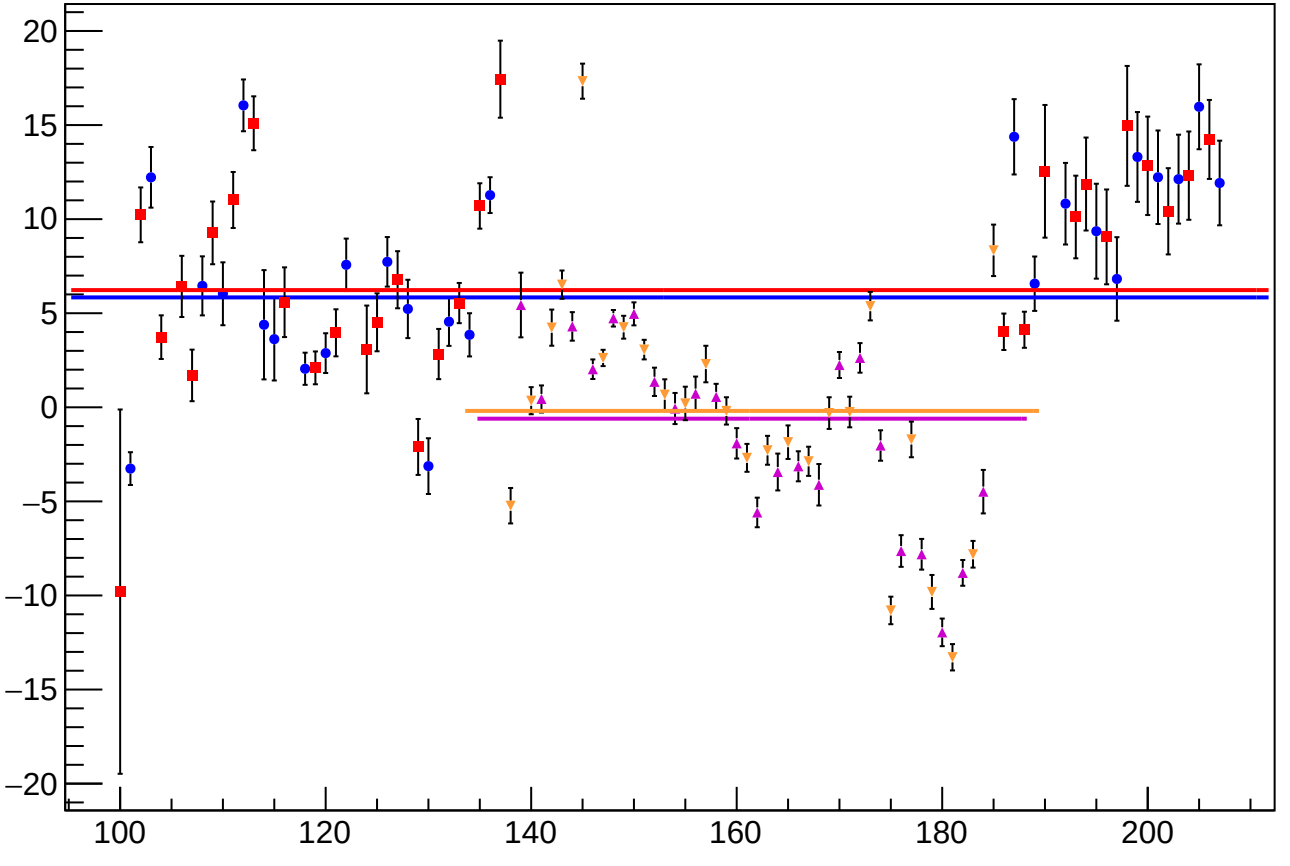
Right: -42.299+/-0.181 χ^2/NDF: 7466.1/55

In: -32.821+/-0.163 χ^2/NDF:7517.9/48

Out: -34.112+/-0.156 χ^2/NDF:11424.4/54

All: -33.496+/-0.113 χ^2/NDF: 18975.1/103

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.841+/-0.286 χ^2/NDF: 362.6/25

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

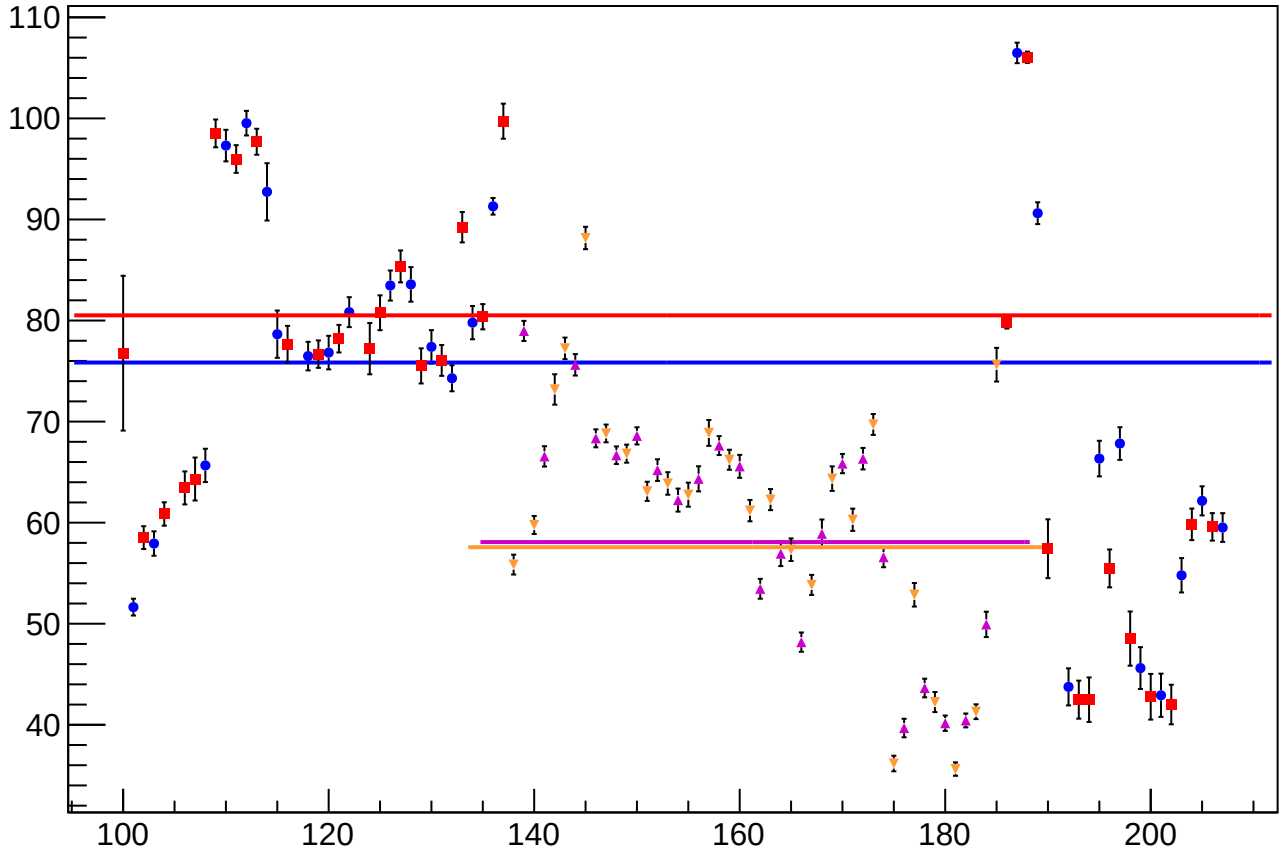
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 6.042+/-0.199 χ^2/NDF: 613.9/55

In: 0.861+/-0.136 χ^2/NDF:1729.7/48

Out: 1.274+/-0.132 χ^2/NDF:2213.6/54

All: 1.075+/-0.095 χ^2/NDF: 3948.1/103



Right In: 75.845+/-0.273 χ^2/NDF: 4412.2/25

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

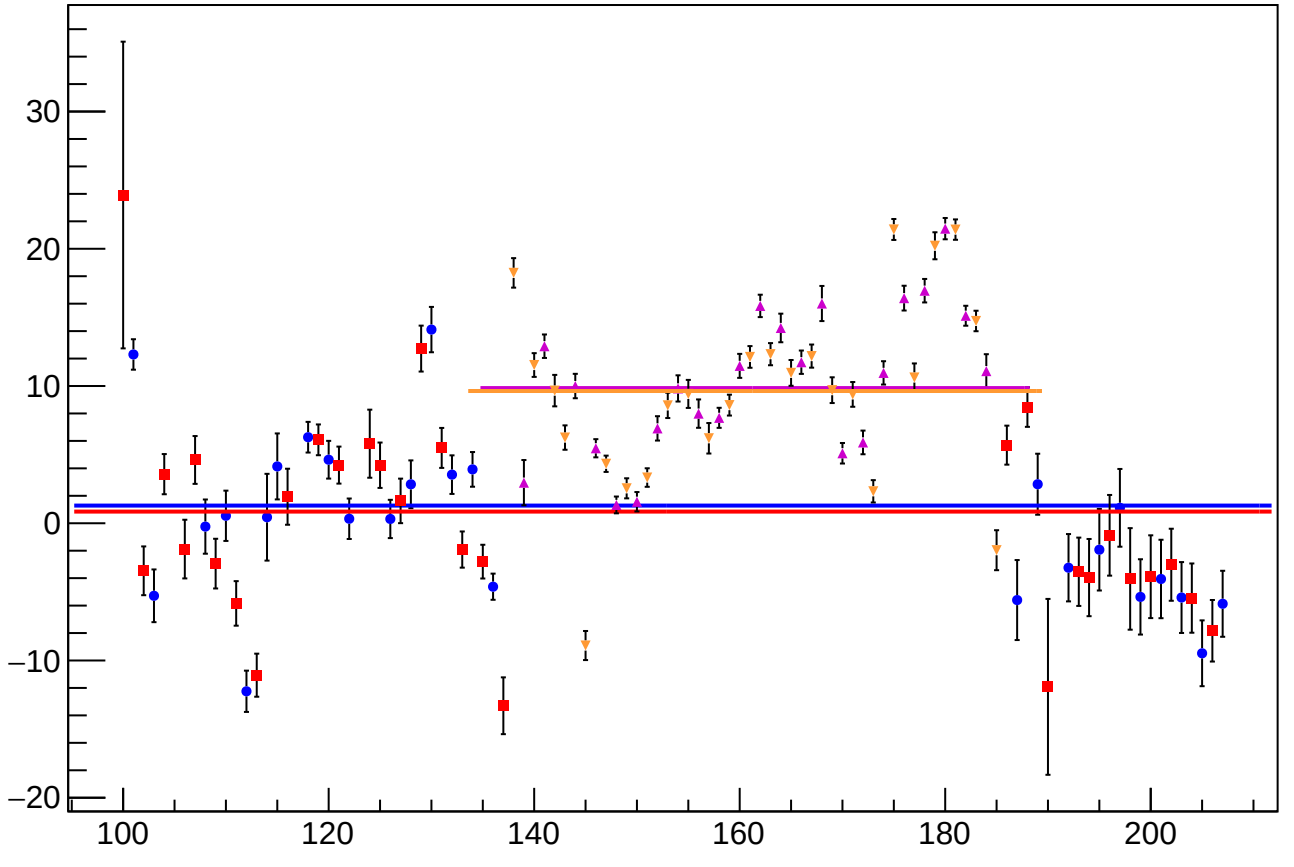
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

Right: 78.416+/-0.183 χ^2/NDF: 10341.1/55

In: 64.425+/-0.163 χ^2/NDF:10693.9/48

Out: 66.619+/-0.155 χ^2/NDF:15695.1/54

All: 65.579+/-0.112 χ^2/NDF: 26484.1/103



Right In: 1.288+/-0.332 χ^2/NDF: 382.4/25

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

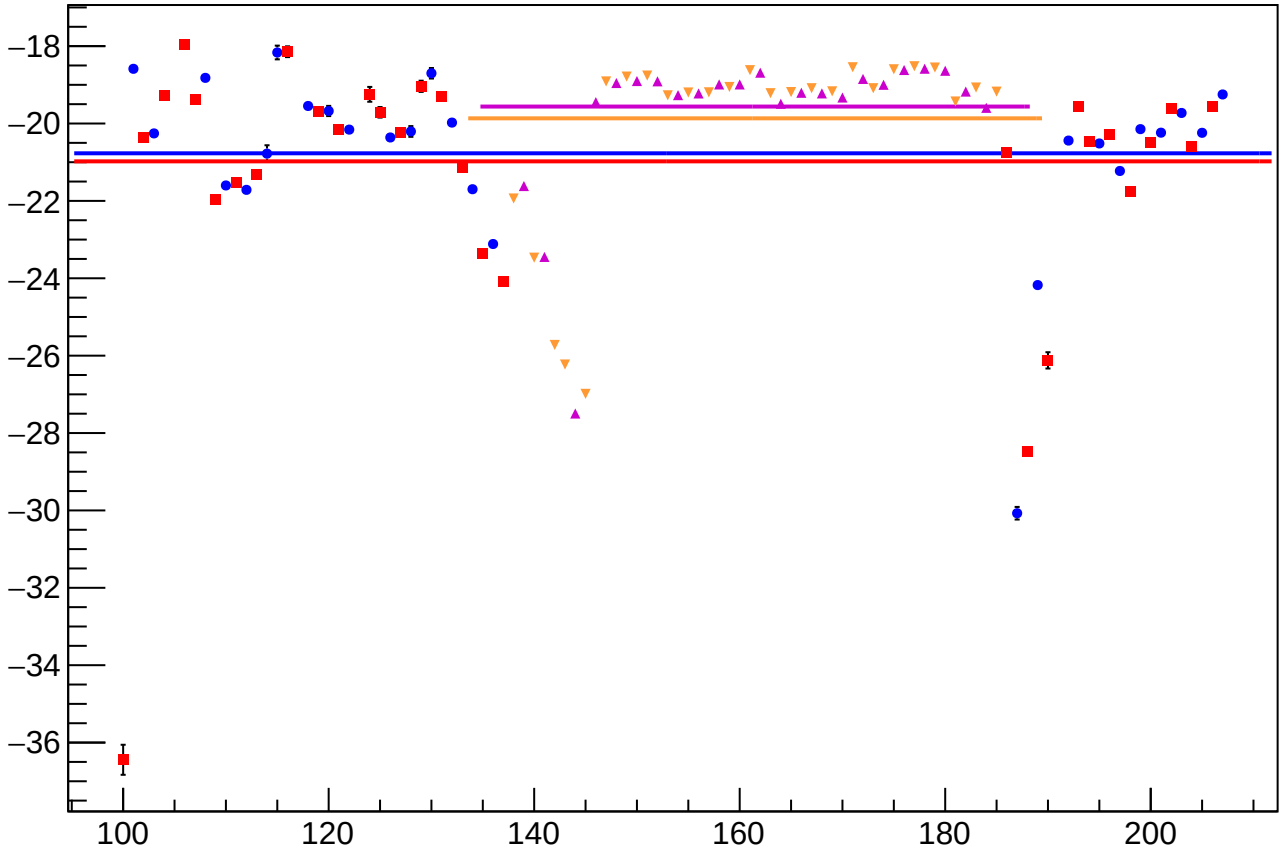
Right: 1.066+/-0.233 χ^2/NDF: 717.0/55

In: 7.967+/-0.156 χ^2/NDF:1893.7/48

Out: 7.749+/-0.152 χ^2/NDF:2389.6/54

All: 7.855+/-0.109 χ^2/NDF: 4284.3/103

reg_asym_right_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -20.770+/-0.016 χ^2/NDF: 12534.7/25

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

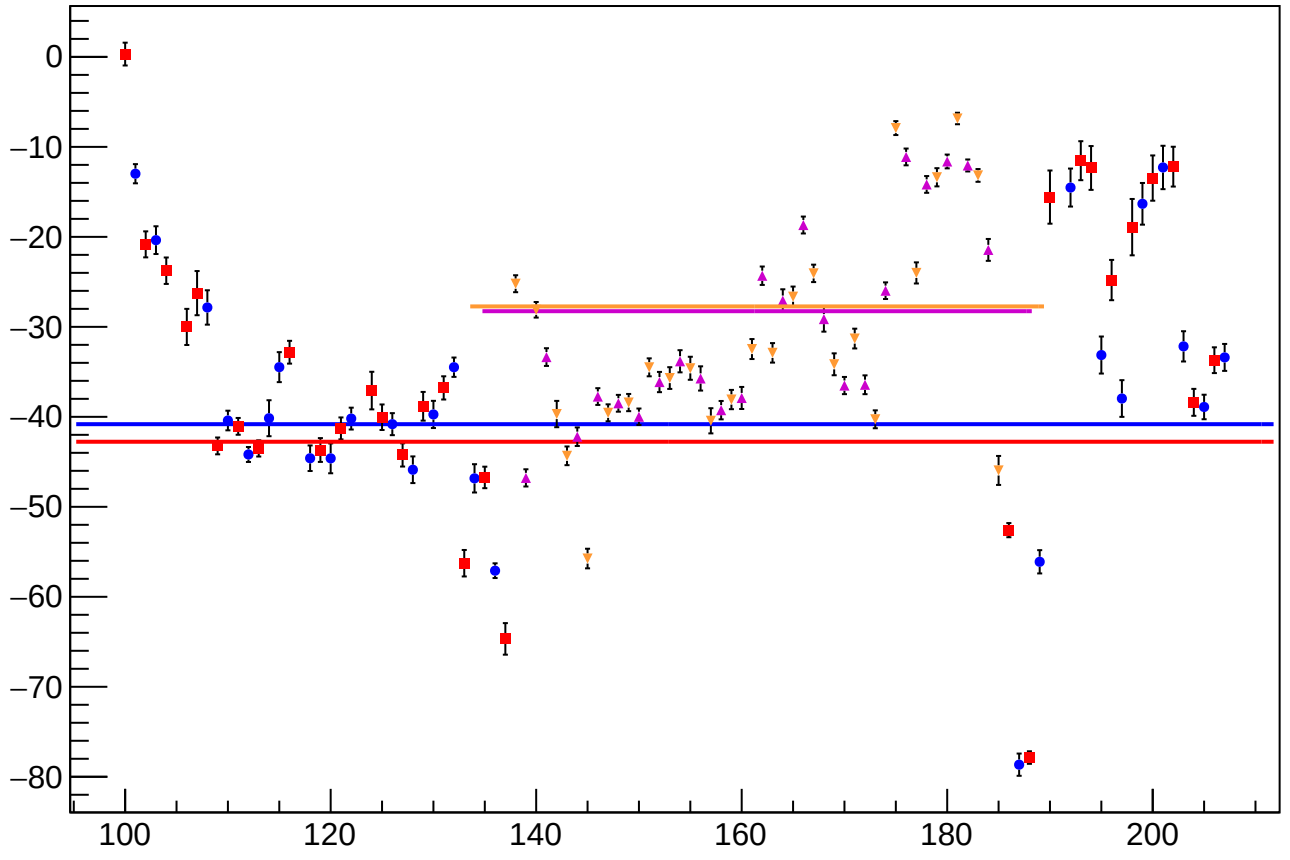
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.874+/-0.011 χ^2/NDF: 33287.4/55

In: -19.795+/-0.007 χ^2/NDF:62169.0/48

Out: -20.077+/-0.007 χ^2/NDF:103358.1/54

All: -19.937+/-0.005 χ^2/NDF: 166311.2/103



Right In: -40.816+/-0.267 χ^2/NDF: 2958.6/25

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

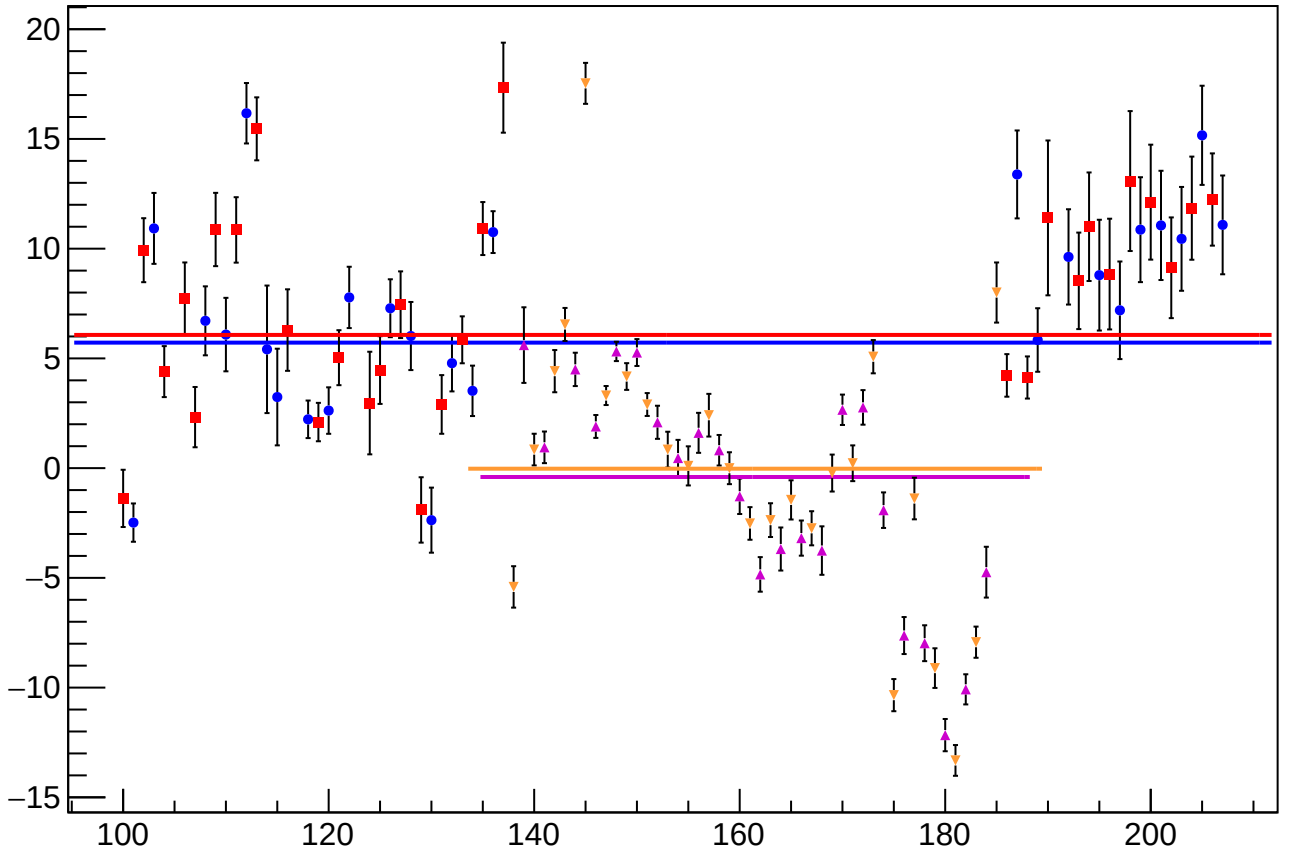
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -41.886+/-0.180 χ^2/NDF: 8624.9/55

In: -32.941+/-0.163 χ^2/NDF:7514.0/48

Out: -33.833+/-0.155 χ^2/NDF:12214.6/54

All: -33.411+/-0.112 χ^2/NDF: 19744.2/103



Right In: 5.719+/-0.286 χ^2/NDF: 305.0/25

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

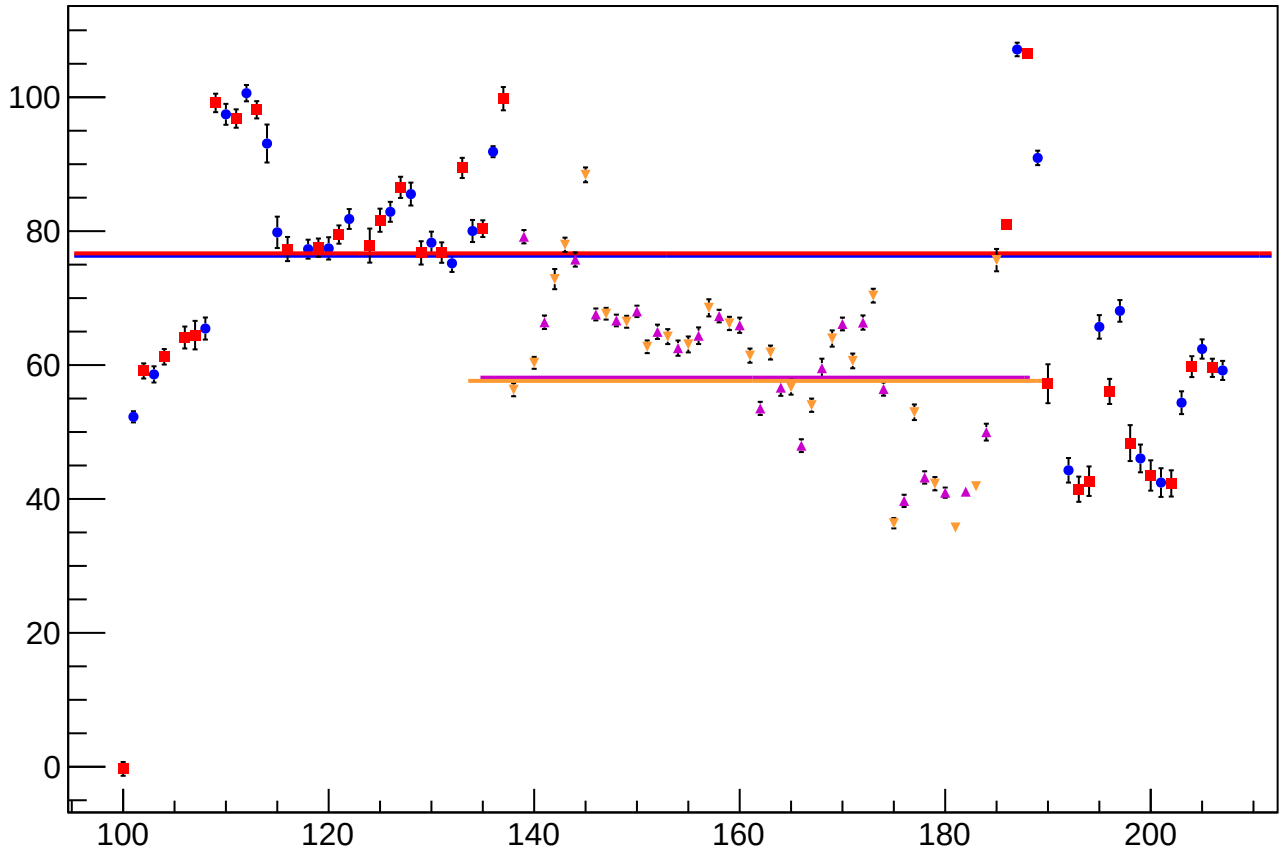
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.904+/-0.197 χ^2/NDF: 566.0/55

In: 0.990+/-0.137 χ^2/NDF:1742.2/48

Out: 1.413+/-0.131 χ^2/NDF:2180.2/54

All: 1.210+/-0.095 χ^2/NDF: 3927.4/103



Right In: 76.326+/-0.273 χ^2/NDF: 4470.9/25

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

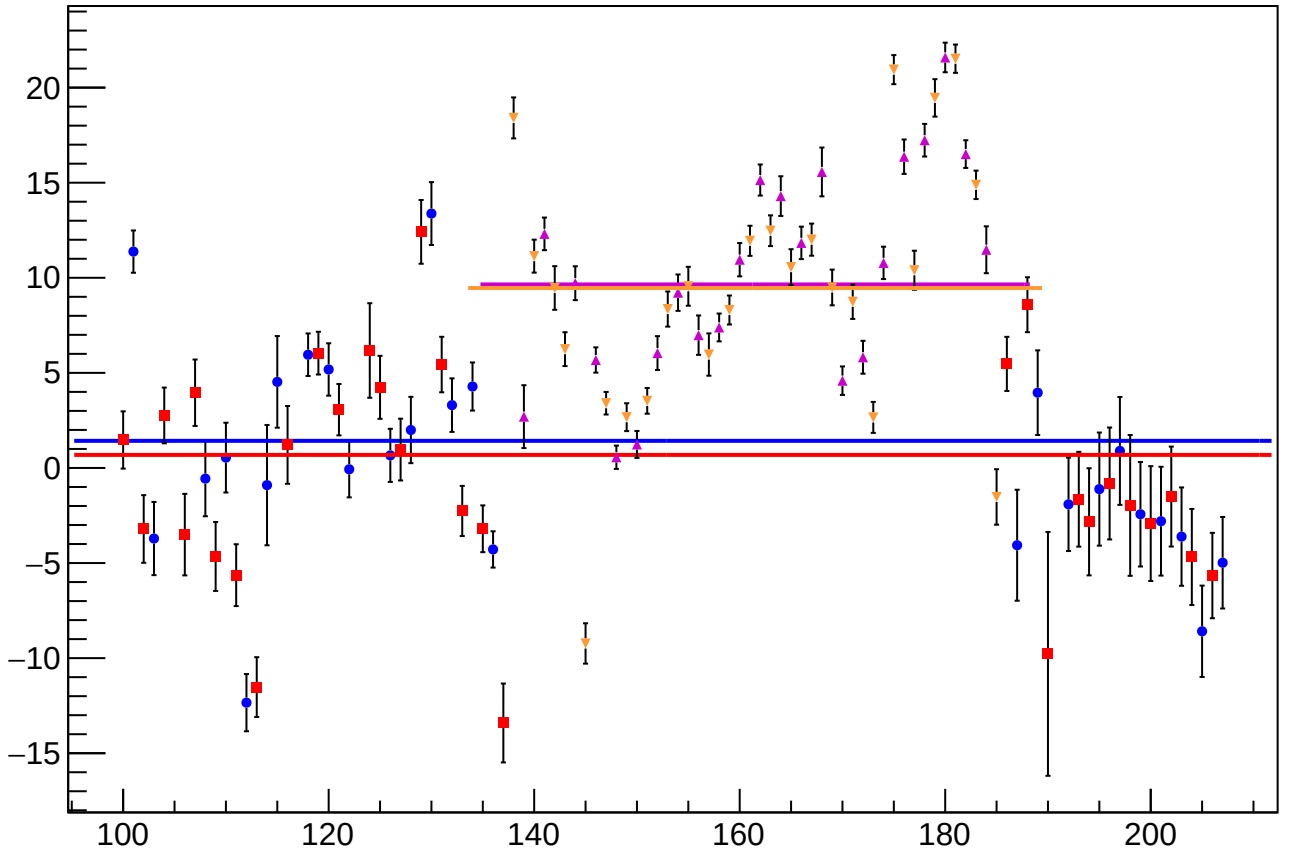
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

Right: 76.527+/-0.180 χ^2/NDF: 16155.6/55

In: 64.625+/-0.163 χ^2/NDF:10766.4/48

Out: 65.398+/-0.153 χ^2/NDF:20018.5/54

All: 65.036+/-0.112 χ^2/NDF: 30796.8/103



Right In: 1.426+/-0.333 χ^2/NDF: 334.4/25

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

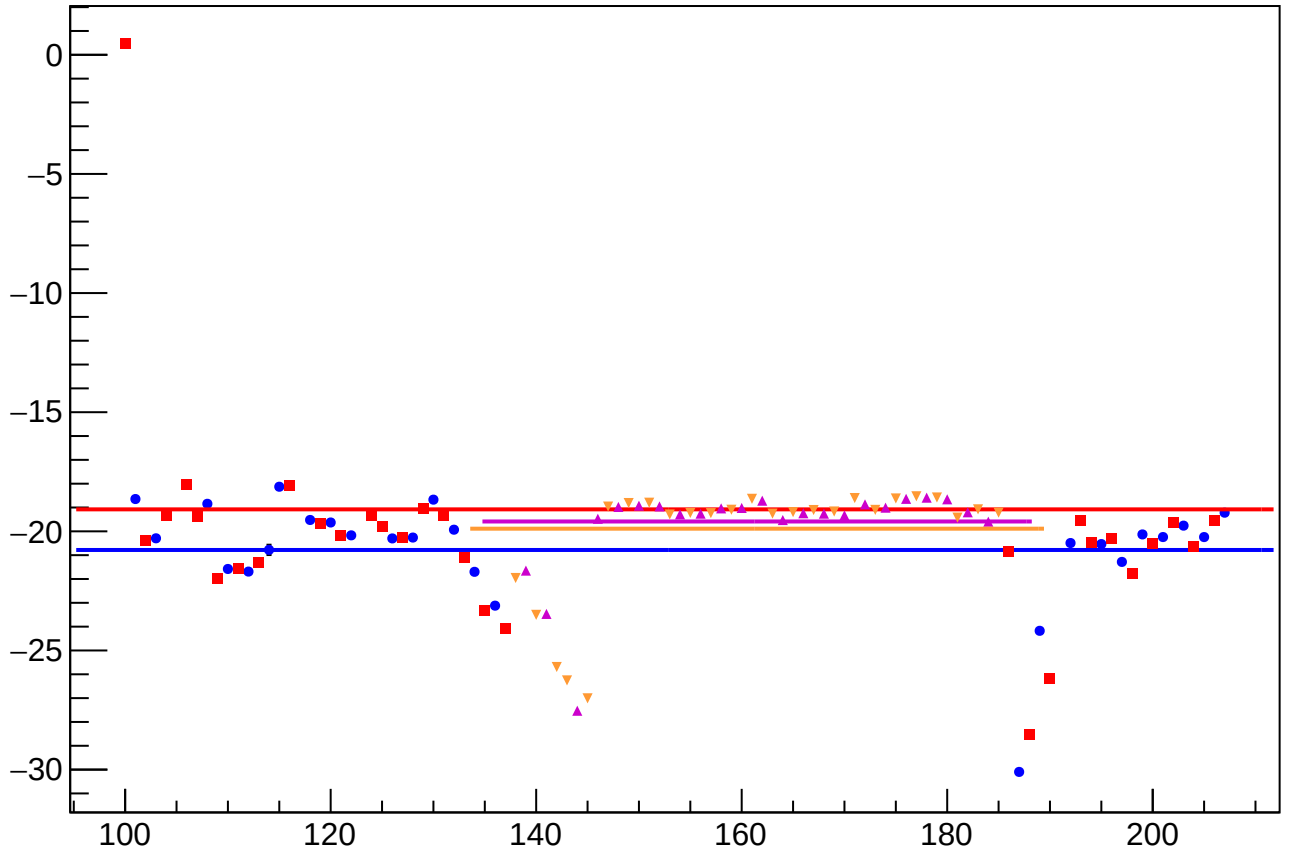
Left: 9.553+/-0.123 χ^2/NDF: 2562.3/47

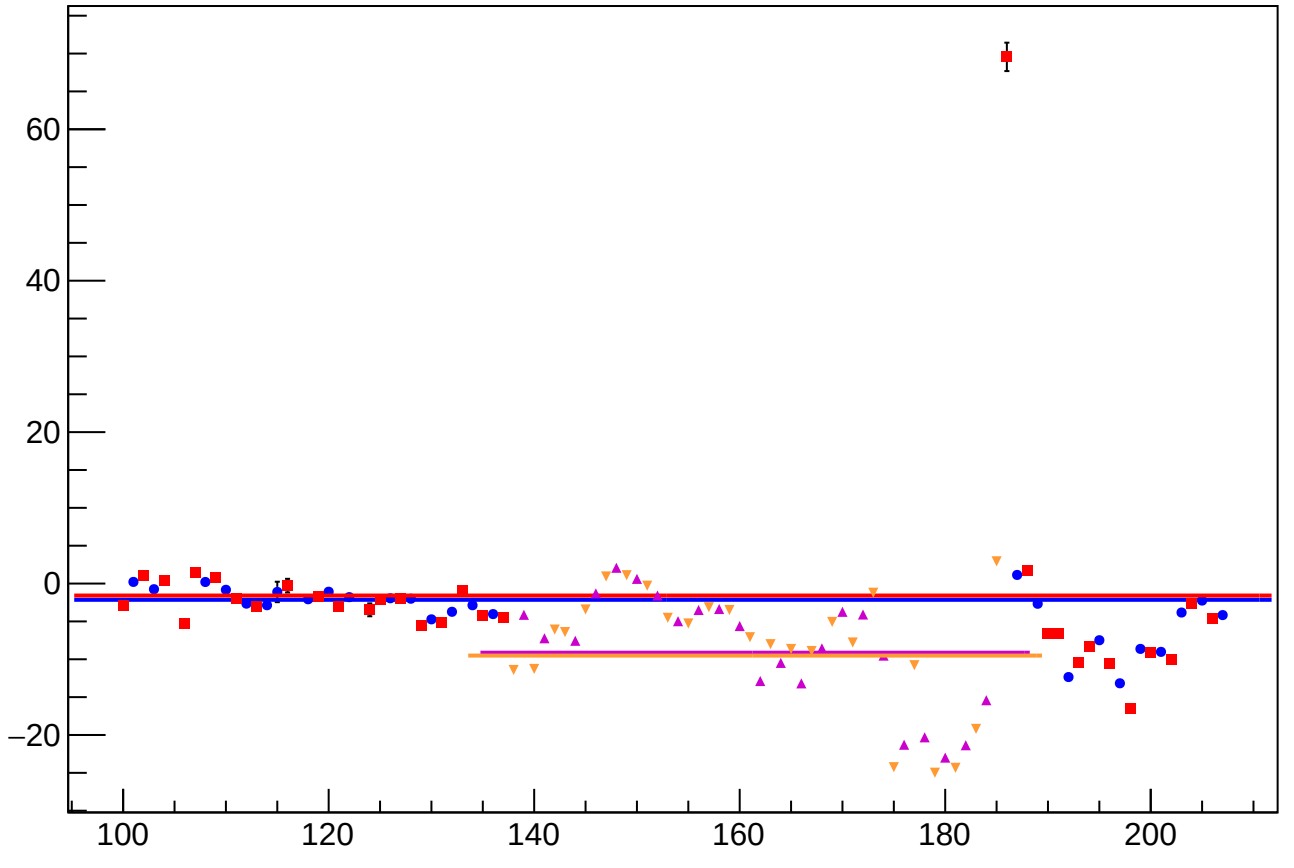
Right: 1.043+/-0.231 χ^2/NDF: 653.3/55

In: 7.842+/-0.156 χ^2/NDF:1889.8/48

Out: 7.508+/-0.151 χ^2/NDF:2381.1/54

All: 7.670+/-0.109 χ^2/NDF: 4273.2/103


reg_asym_right_dd_diff_bpm12X_slope vs Slug, Sign Corrected
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
Right In: -20.782+/-0.016 χ²/NDF: 12424.2/25
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.078+/-0.016 χ²/NDF: 171882.8/29
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.892+/-0.011 χ²/NDF: 190043.5/55
In: -19.818+/-0.007 χ²/NDF:61869.1/48
Out: -19.723+/-0.007 χ²/NDF:252559.8/54
All: -19.770+/-0.005 χ²/NDF: 314517.6/103



Right In: -2.147+/-0.050 χ^2/NDF: 3344.5/25

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

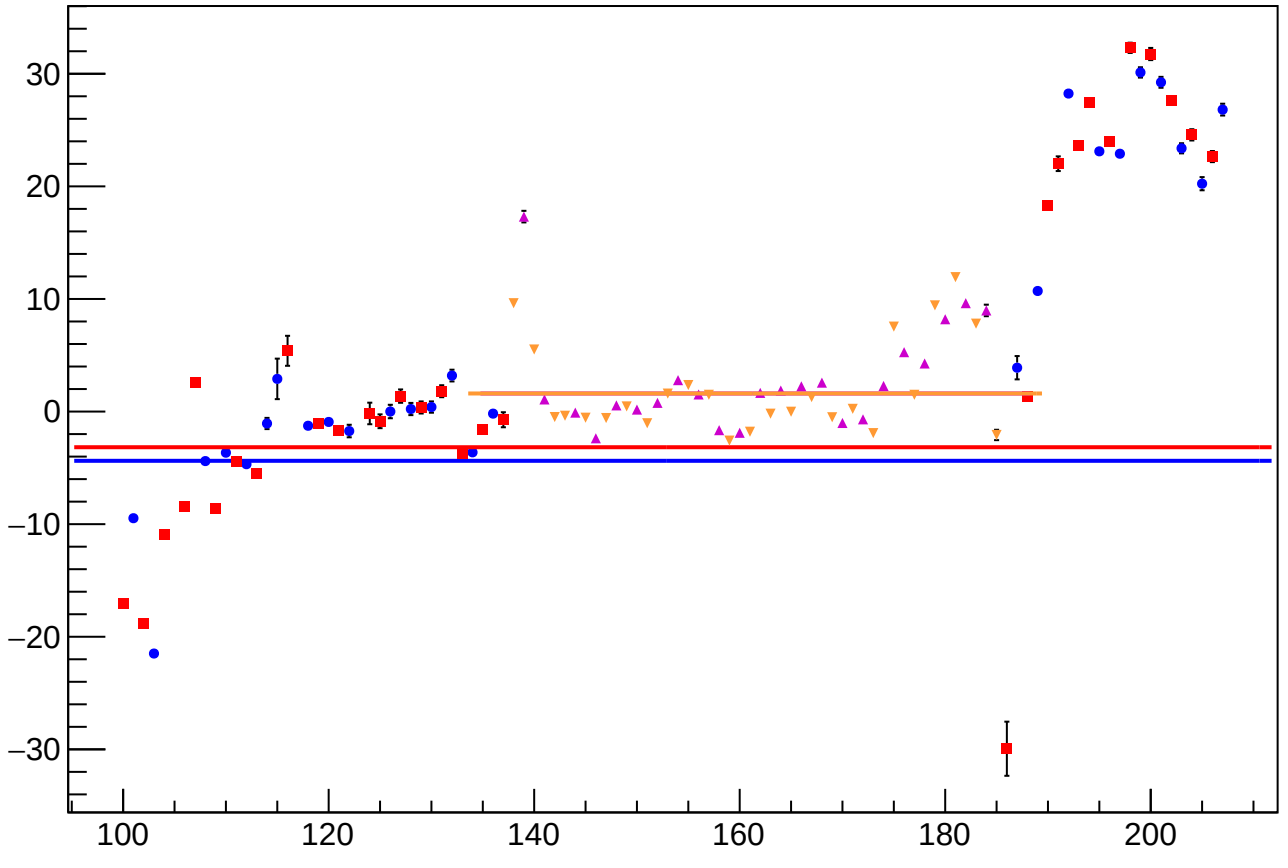
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.840+/-0.034 χ^2/NDF: 10363.0/56

In: -4.290+/-0.041 χ^2/NDF:19782.2/48

Out: -3.828+/-0.039 χ^2/NDF:28407.5/55

All: -4.043+/-0.028 χ^2/NDF: 48256.2/104



Right In: -4.374+/-0.053 χ^2/NDF: 57719.7/25

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

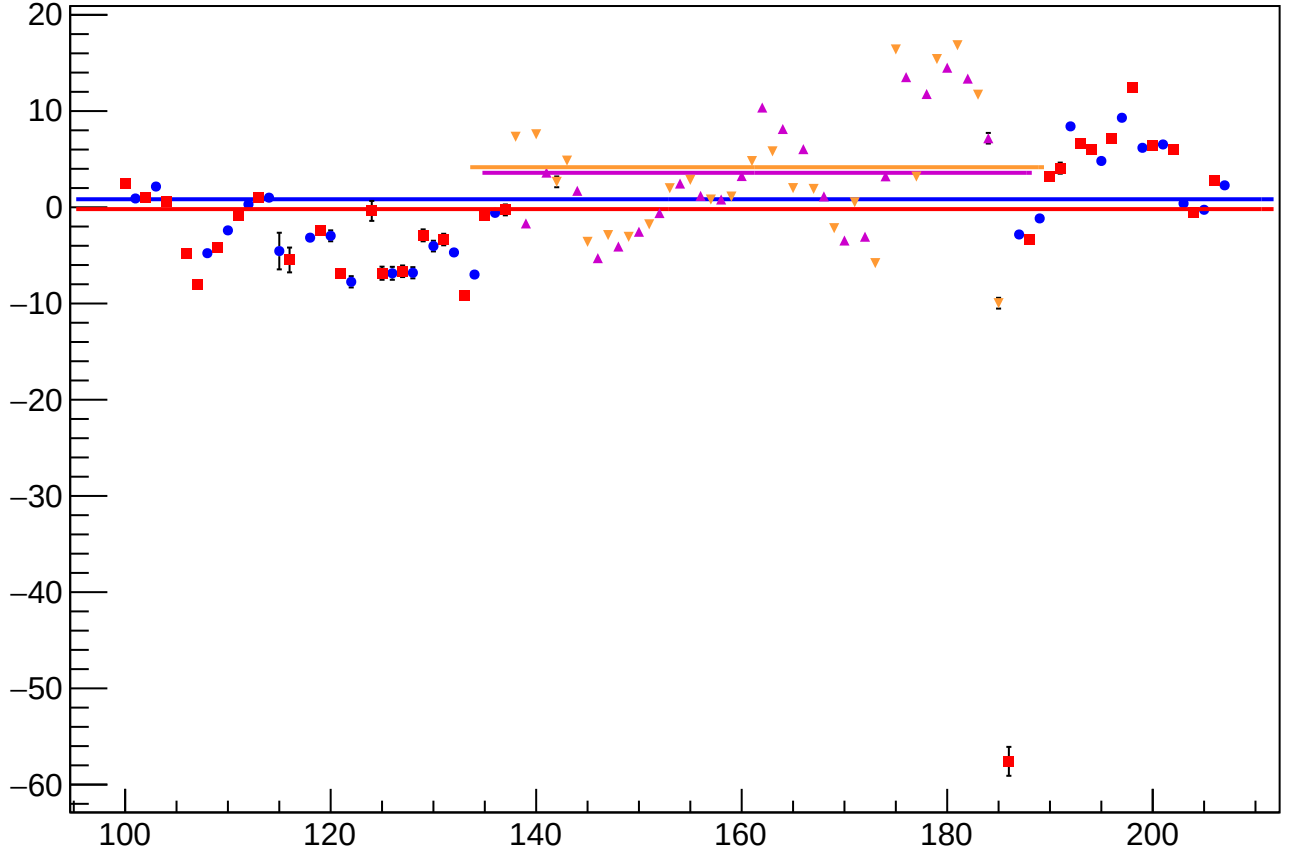
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -3.762+/-0.037 χ^2/NDF: 121237.7/56

In: -1.638+/-0.039 χ^2/NDF:67204.6/48

Out: -0.912+/-0.038 χ^2/NDF:71878.5/55

All: -1.264+/-0.027 χ^2/NDF: 139261.2/104



Right In: 0.837+/-0.048 χ^2/NDF: 4172.7/25

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

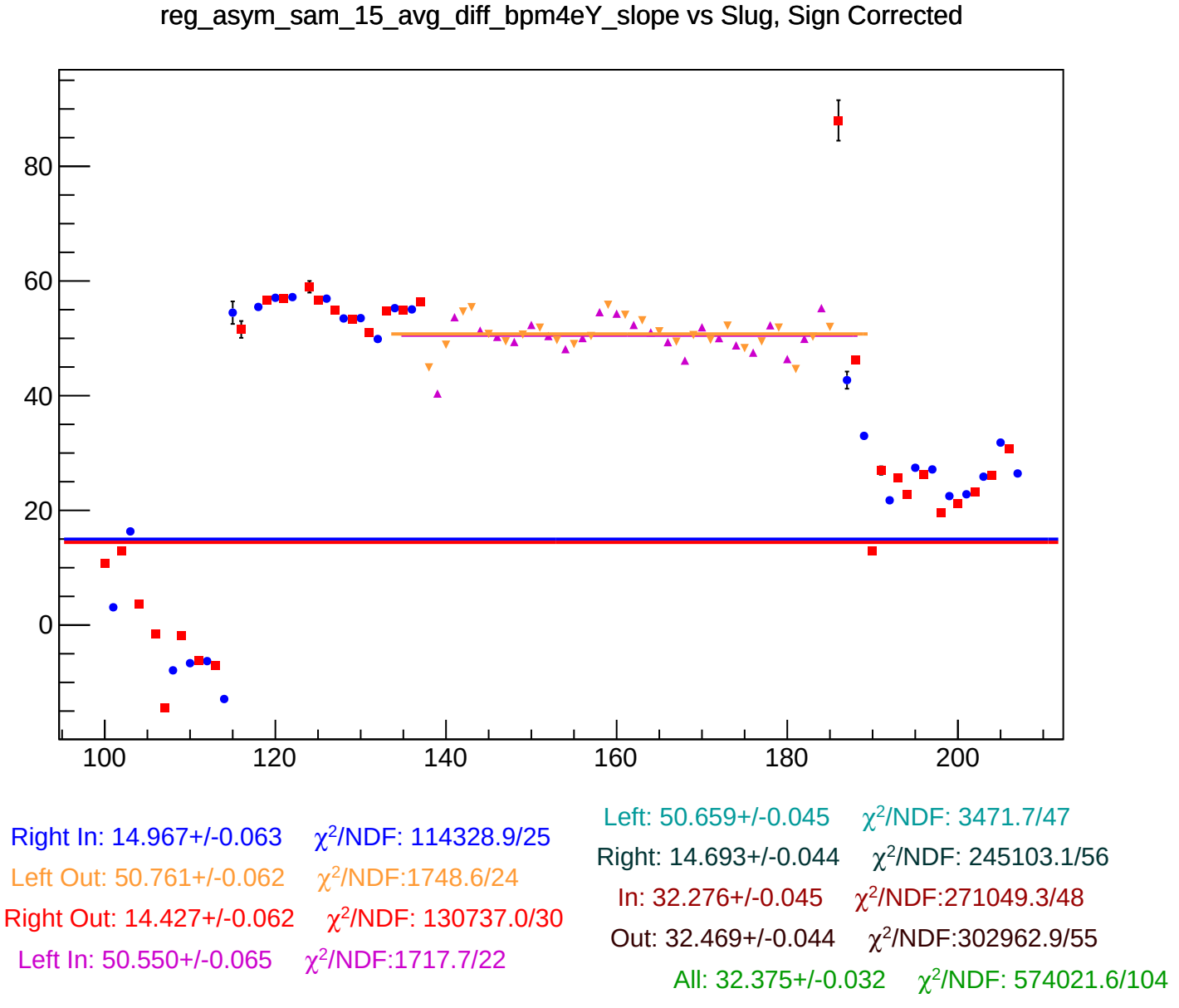
Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

Right: 0.305+/-0.033 χ^2/NDF: 12619.4/56

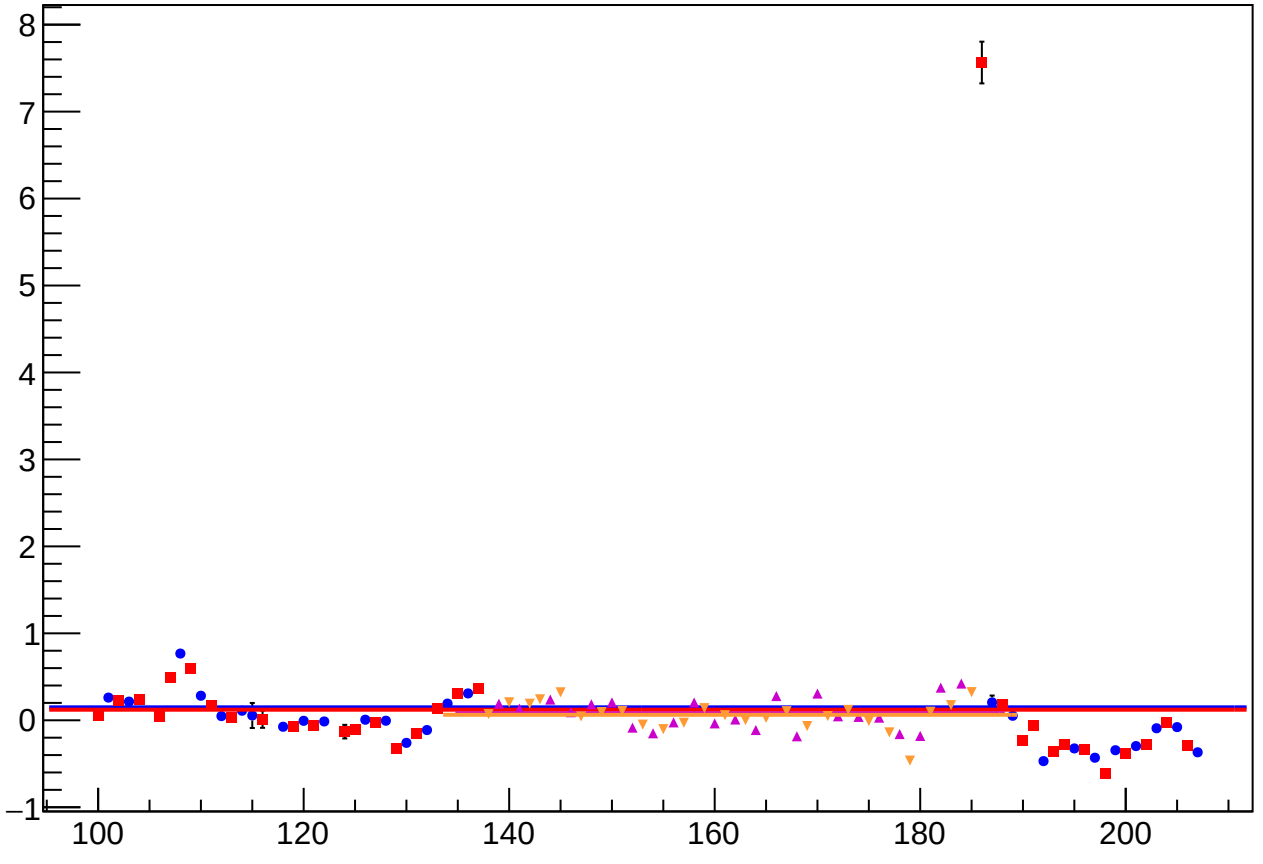
In: 1.646+/-0.040 χ^2/NDF:12374.5/48

Out: 1.074+/-0.039 χ^2/NDF:20045.9/55

All: 1.350+/-0.028 χ^2/NDF: 32525.5/104


reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
80
60
40
20
0
100
120
140
160
180
200
Right In: 14.967+/-0.063 χ²/NDF: 114328.9/25
Left Out: 50.761+/-0.062 χ²/NDF:1748.6/24
Right Out: 14.427+/-0.062 χ²/NDF: 130737.0/30
Left In: 50.550+/-0.065 χ²/NDF:1717.7/22
Left: 50.659+/-0.045 χ²/NDF: 3471.7/47
Right: 14.693+/-0.044 χ²/NDF: 245103.1/56
In: 32.276+/-0.045 χ²/NDF:271049.3/48
Out: 32.469+/-0.044 χ²/NDF:302962.9/55
All: 32.375+/-0.032 χ²/NDF: 574021.6/104

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.149+/-0.002 χ^2/NDF: 13251.8/25

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

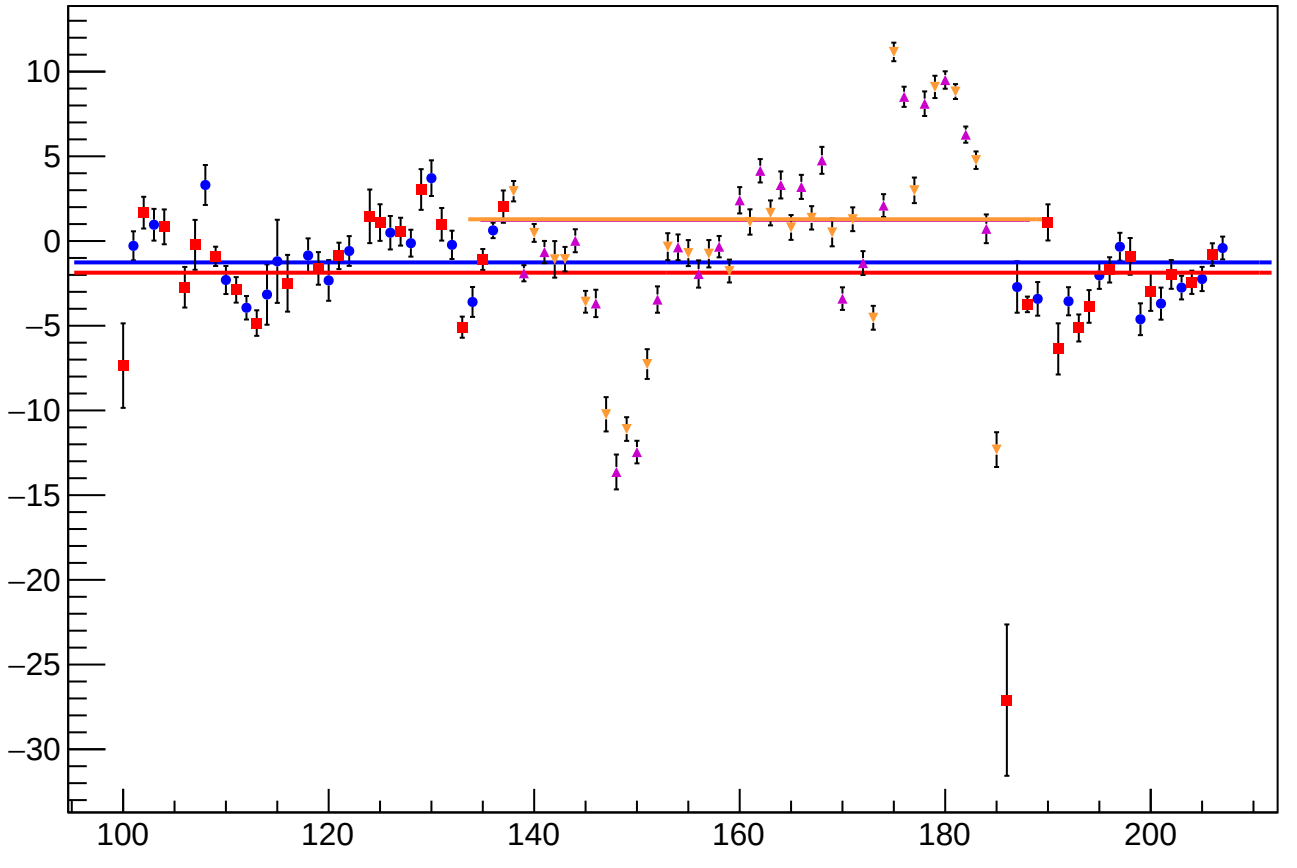
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.135+/-0.002 χ^2/NDF: 26263.3/56

In: 0.119+/-0.002 χ^2/NDF:17036.6/48

Out: 0.097+/-0.002 χ^2/NDF:15767.9/55

All: 0.108+/-0.001 χ^2/NDF: 32874.4/104



Right In: -1.263+/-0.168 χ^2/NDF: 137.0/25

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

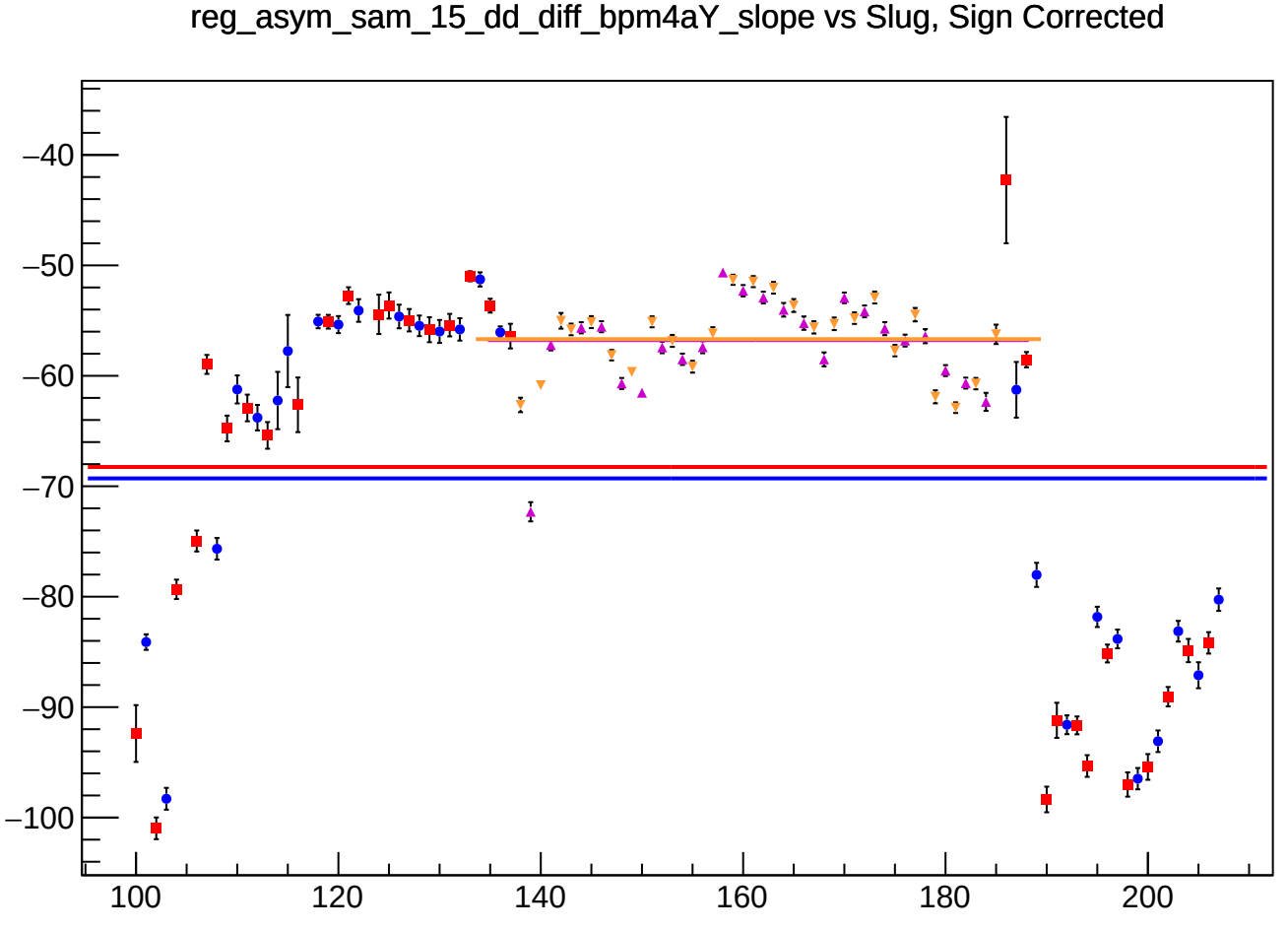
Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

Right: -1.590+/-0.114 χ^2/NDF: 376.3/56

In: 0.211+/-0.108 χ^2/NDF:1781.2/48

Out: -0.103+/-0.103 χ^2/NDF:2180.7/55

All: 0.046+/-0.074 χ^2/NDF: 3966.4/104



Right In: -69.290+/-0.180 χ^2/NDF: 7849.1/25

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

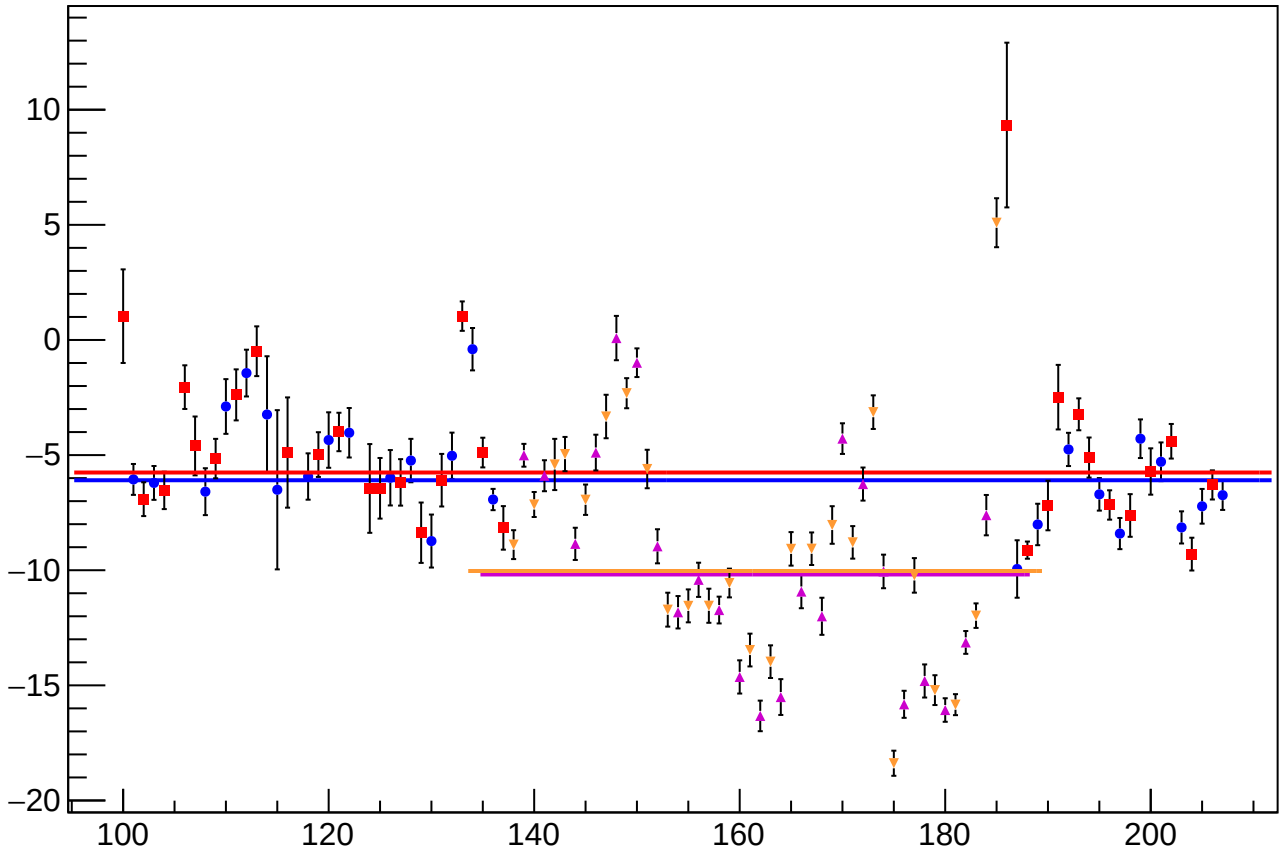
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -68.735+/-0.123 χ^2/NDF: 18478.9/56

In: -60.249+/-0.095 χ^2/NDF:12439.5/48

Out: -60.040+/-0.090 χ^2/NDF:15010.1/55

All: -60.139+/-0.065 χ^2/NDF: 27452.1/104



Right In: -6.092+/-0.167 χ^2/NDF: 131.8/25

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

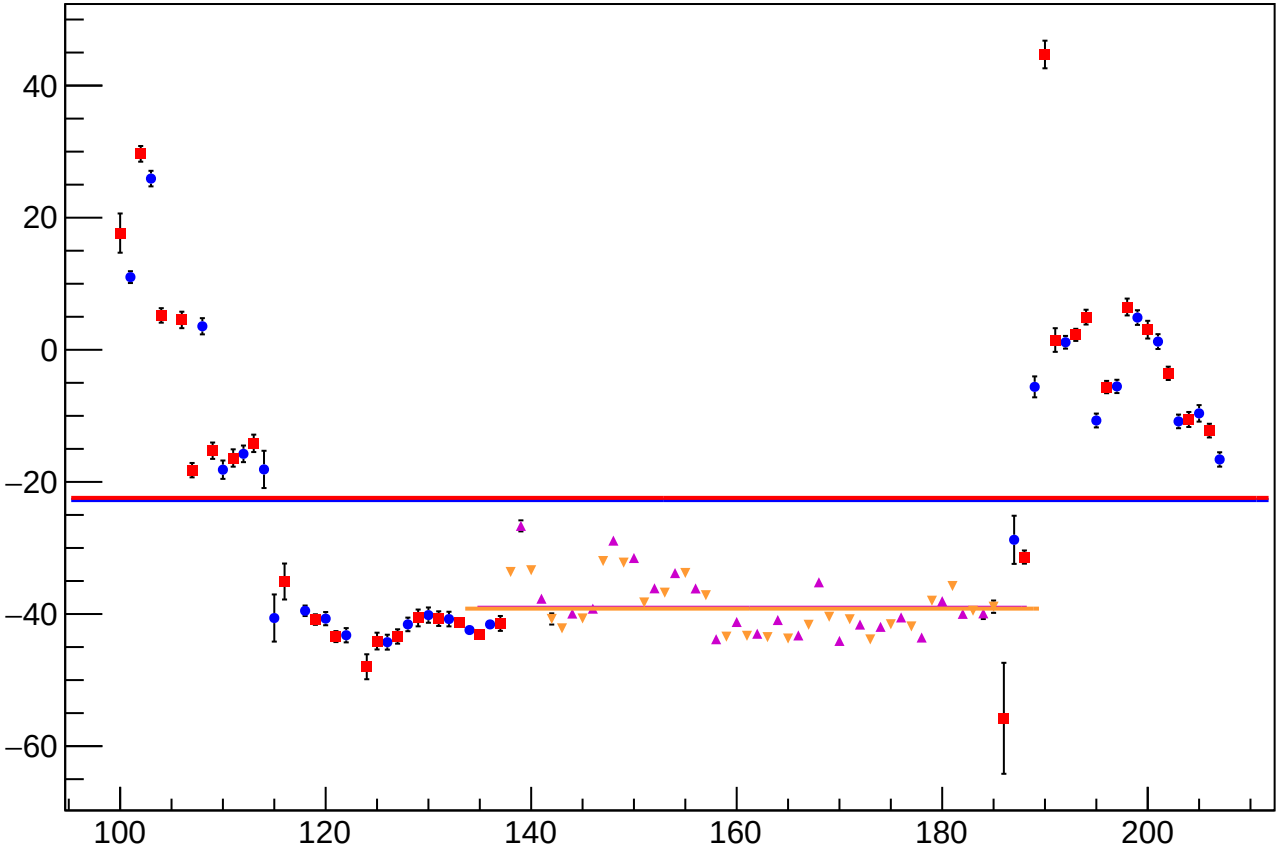
Right: -5.909+/-0.112 χ^2/NDF: 487.4/56

In: -8.505+/-0.107 χ^2/NDF:1629.4/48

Out: -8.134+/-0.102 χ^2/NDF:1973.9/55

All: -8.310+/-0.074 χ^2/NDF: 3609.6/104

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.755+/-0.206 χ^2/NDF: 10438.1/25

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

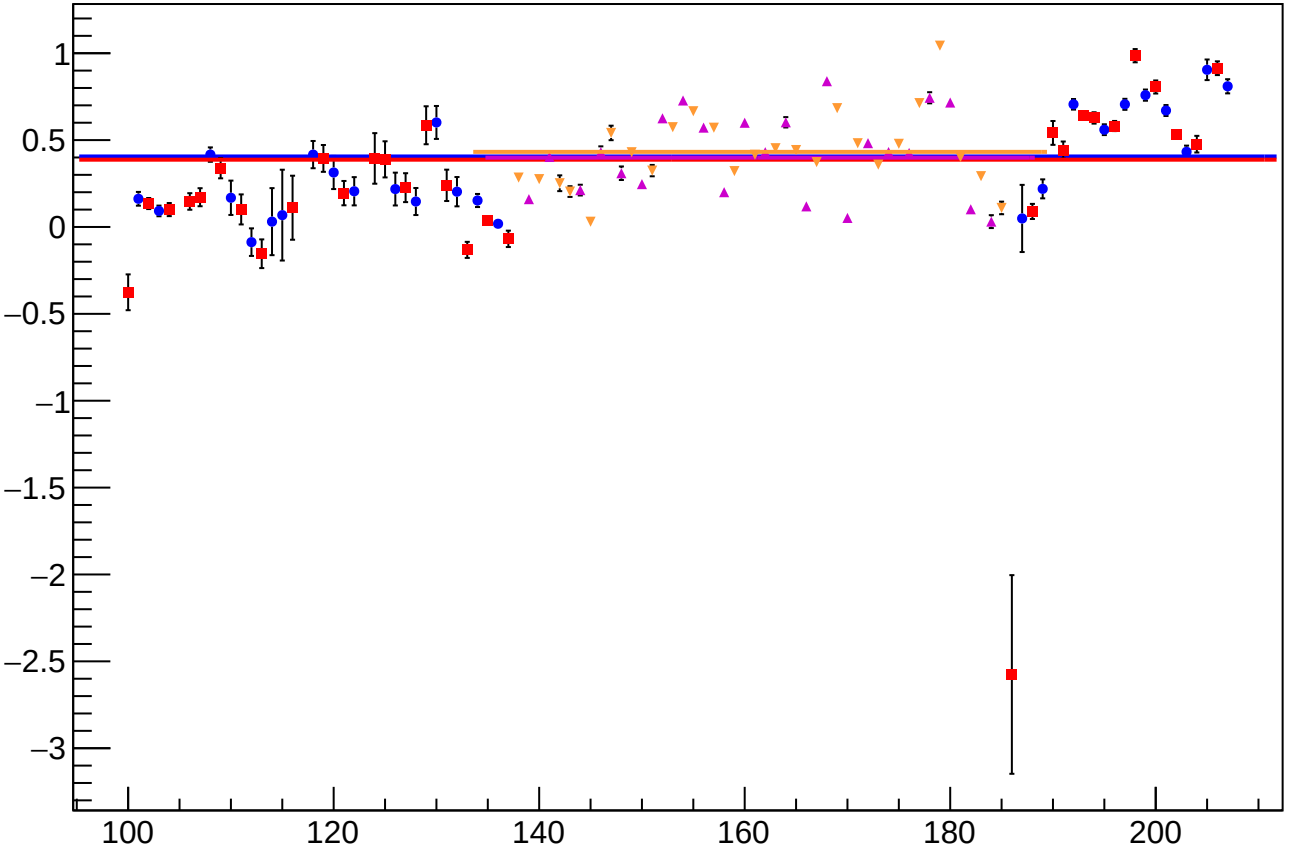
Right: -22.576+/-0.142 χ^2/NDF: 23112.4/56

In: -34.702+/-0.106 χ^2/NDF:16246.5/48

Out: -34.584+/-0.102 χ^2/NDF:19060.9/55

All: -34.641+/-0.074 χ^2/NDF: 35308.0/104

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.406+/-0.009 χ^2/NDF: 1179.1/25

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

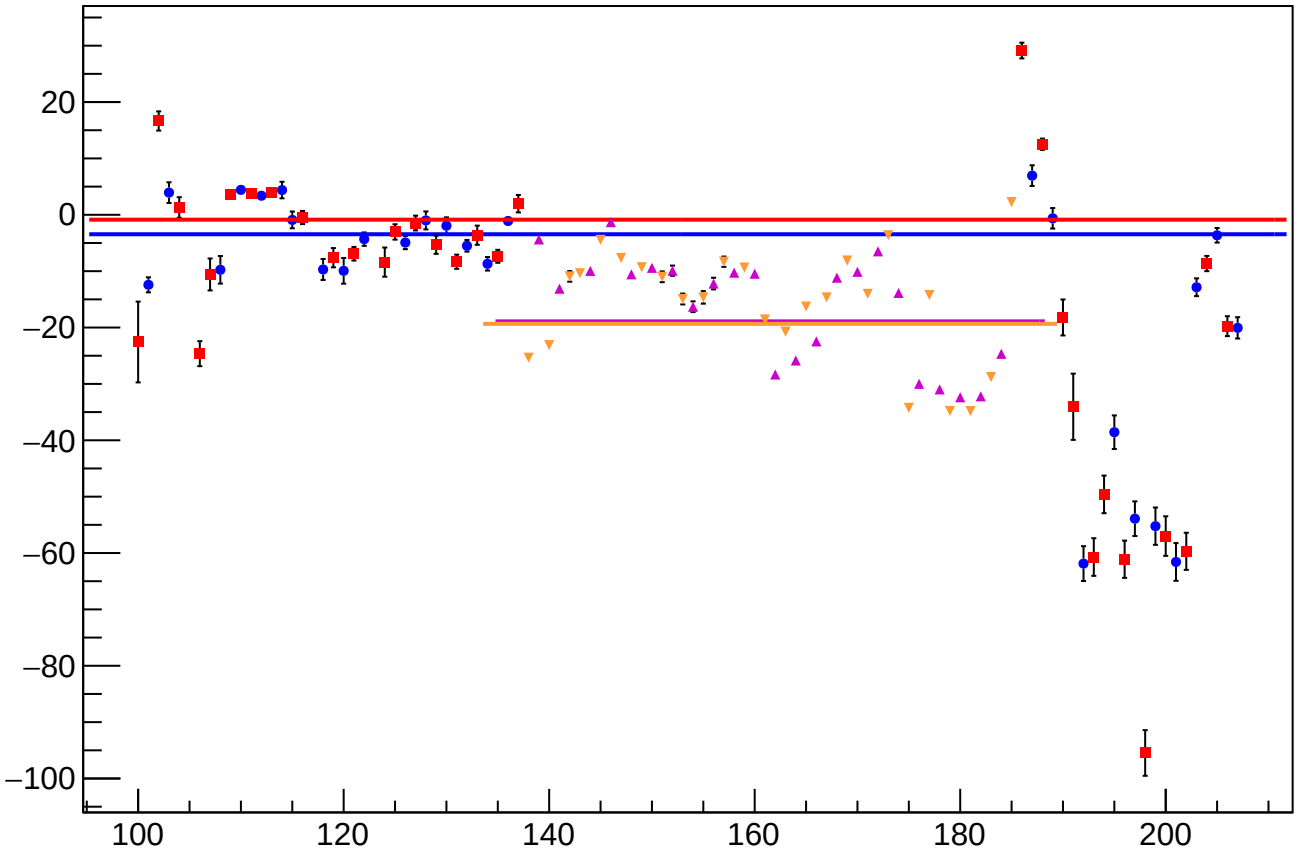
Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

Right: 0.396+/-0.006 χ^2/NDF: 2717.6/56

In: 0.401+/-0.005 χ^2/NDF:3103.4/48

Out: 0.419+/-0.004 χ^2/NDF:2925.9/55

All: 0.410+/-0.003 χ^2/NDF: 6037.5/104



Right In: -3.450+/-0.257 χ^2/NDF: 1862.3/25

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

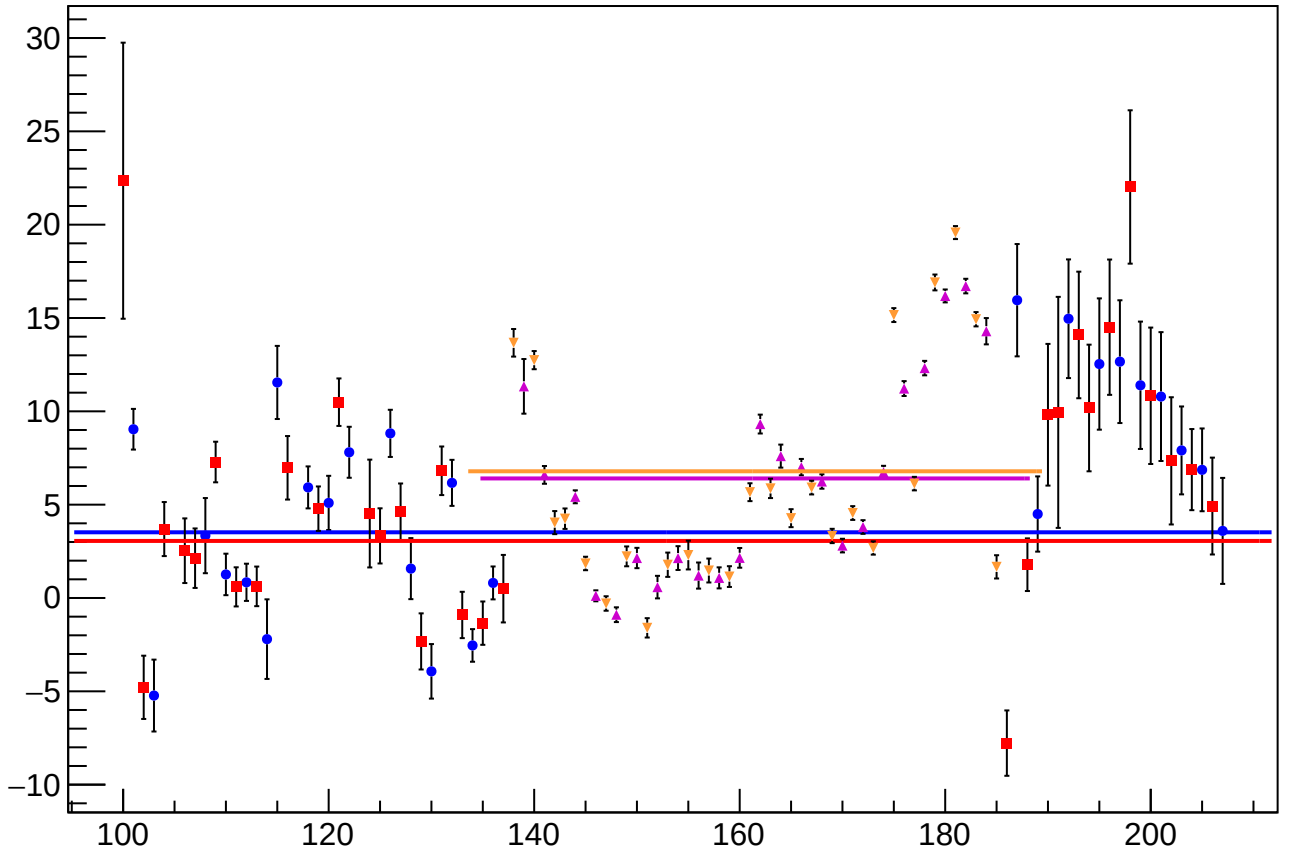
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

Right: -2.076+/-0.176 χ^2/NDF: 5289.7/56

In: -16.290+/-0.106 χ^2/NDF:13140.8/48

Out: -16.014+/-0.103 χ^2/NDF:18562.2/55

All: -16.148+/-0.074 χ^2/NDF: 31706.5/104



Right In: 3.520+/-0.295 χ^2/NDF: 264.6/25

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

Right Out: 3.057+/-0.296 χ^2/NDF: 244.9/30

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

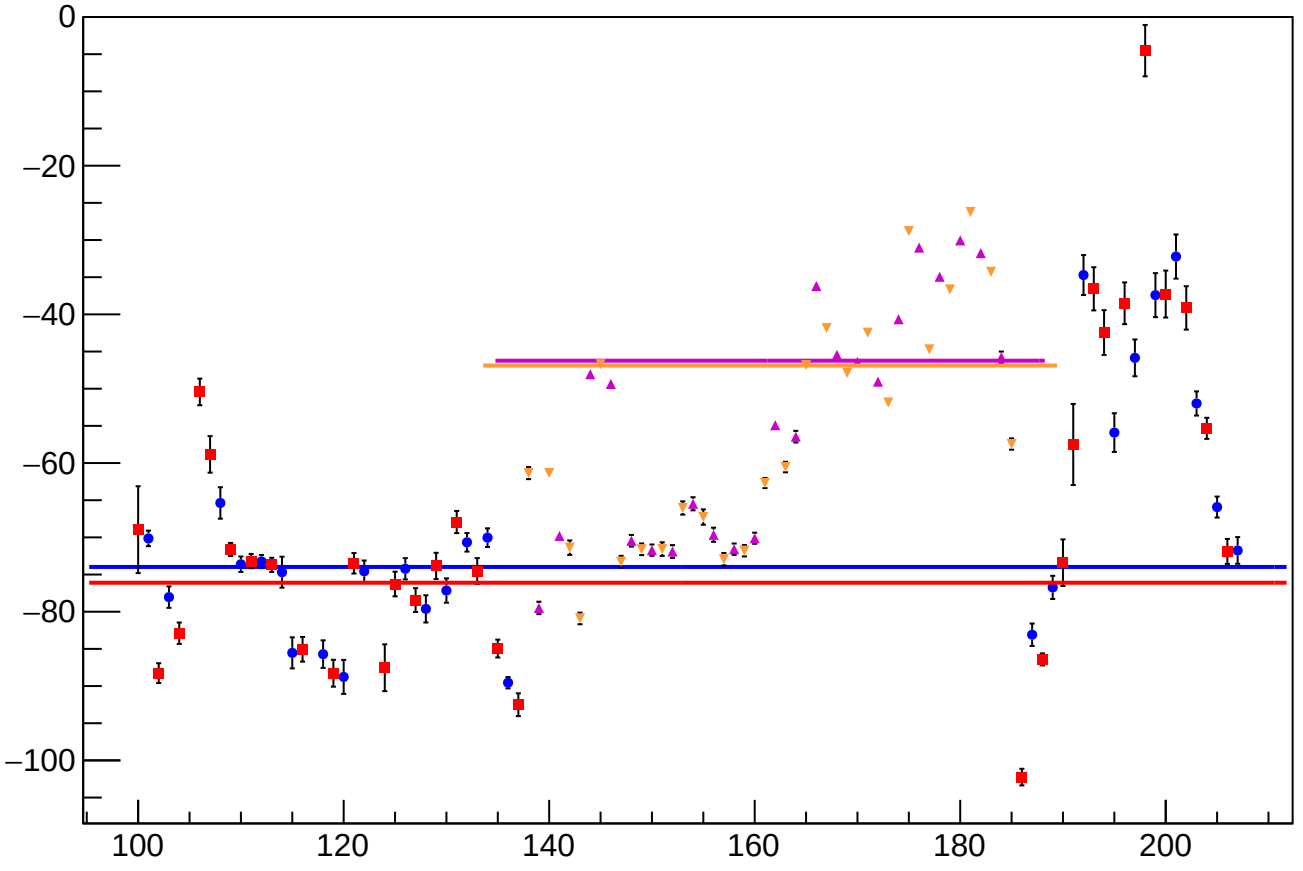
Left: 6.598+/-0.064 χ^2/NDF: 8051.9/47

Right: 3.289+/-0.209 χ^2/NDF: 510.7/56

In: 6.153+/-0.087 χ^2/NDF:3762.3/48

Out: 6.472+/-0.086 χ^2/NDF:5022.5/55

All: 6.314+/-0.061 χ^2/NDF: 8791.5/104



Right In: -73.978+/-0.287 χ^2/NDF: 1594.4/25

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

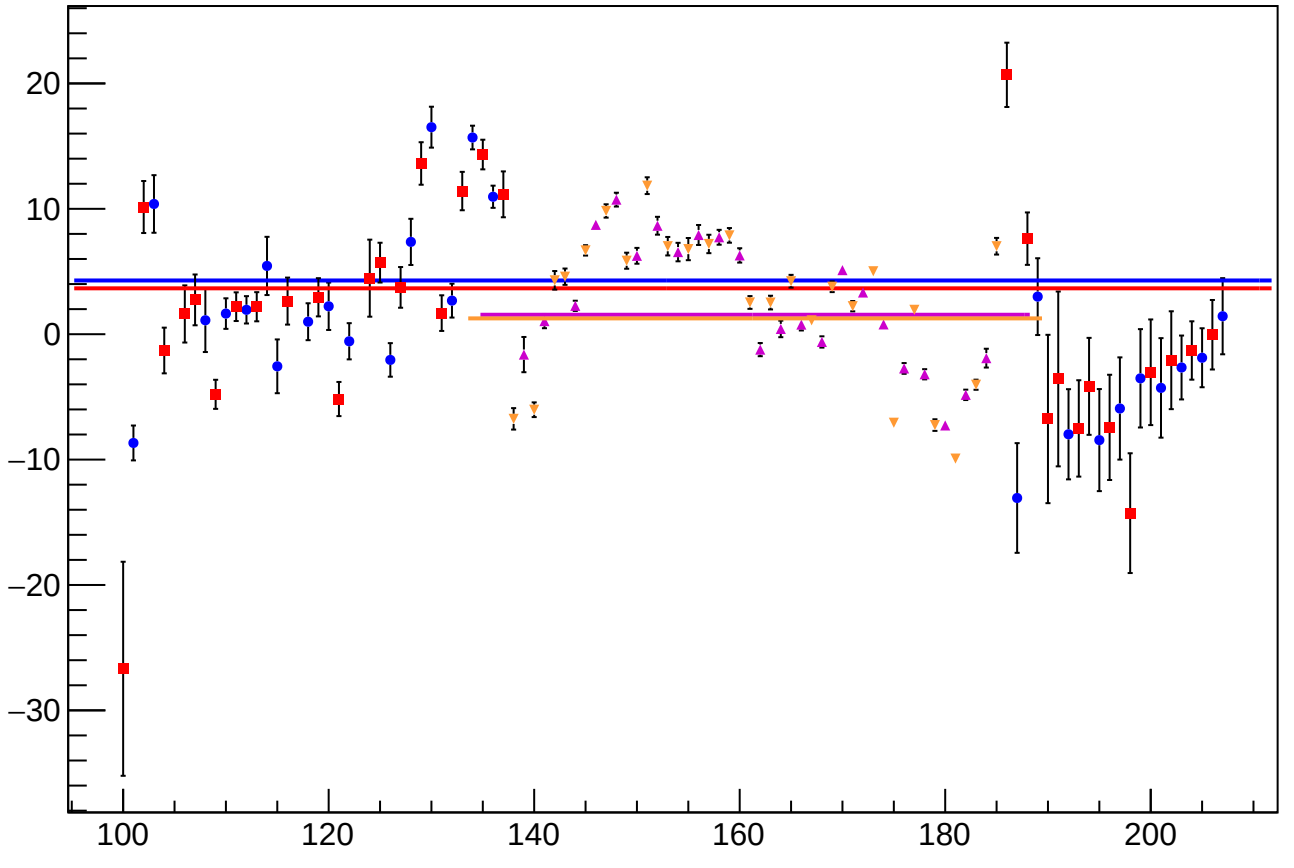
Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

Right: -75.086+/-0.199 χ^2/NDF: 4490.8/56

In: -50.135+/-0.108 χ^2/NDF:24776.4/48

Out: -51.165+/-0.105 χ^2/NDF:30486.4/55

All: -50.662+/-0.075 χ^2/NDF: 55309.6/104



Right In: 4.286+/-0.331 χ^2/NDF: 485.6/25

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

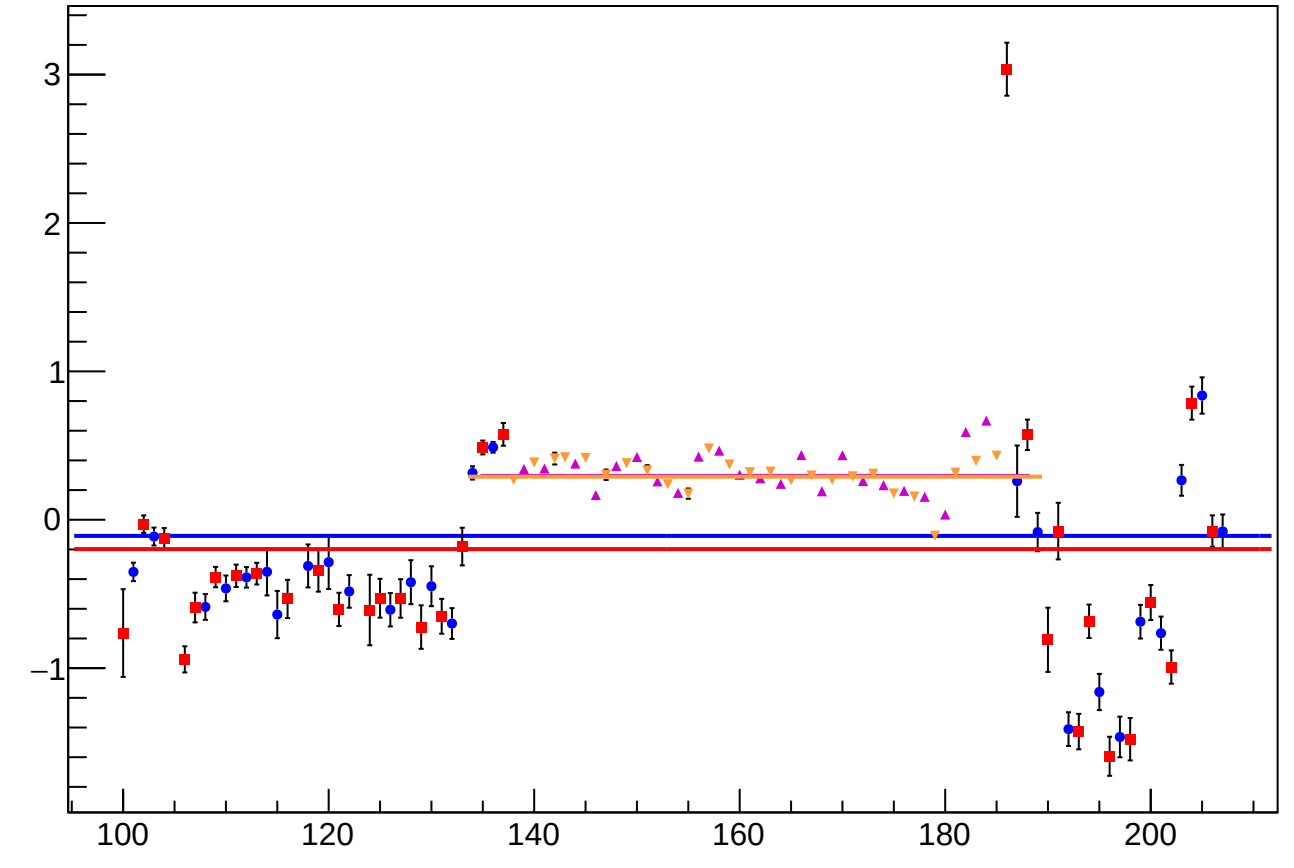
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 3.978+/-0.237 χ^2/NDF: 875.0/56

In: 1.788+/-0.097 χ^2/NDF:2883.5/48

Out: 1.456+/-0.096 χ^2/NDF:3879.5/55

All: 1.620+/-0.068 χ^2/NDF: 6768.8/104



Right In: -0.109+/-0.017 χ^2/NDF: 970.5/25

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

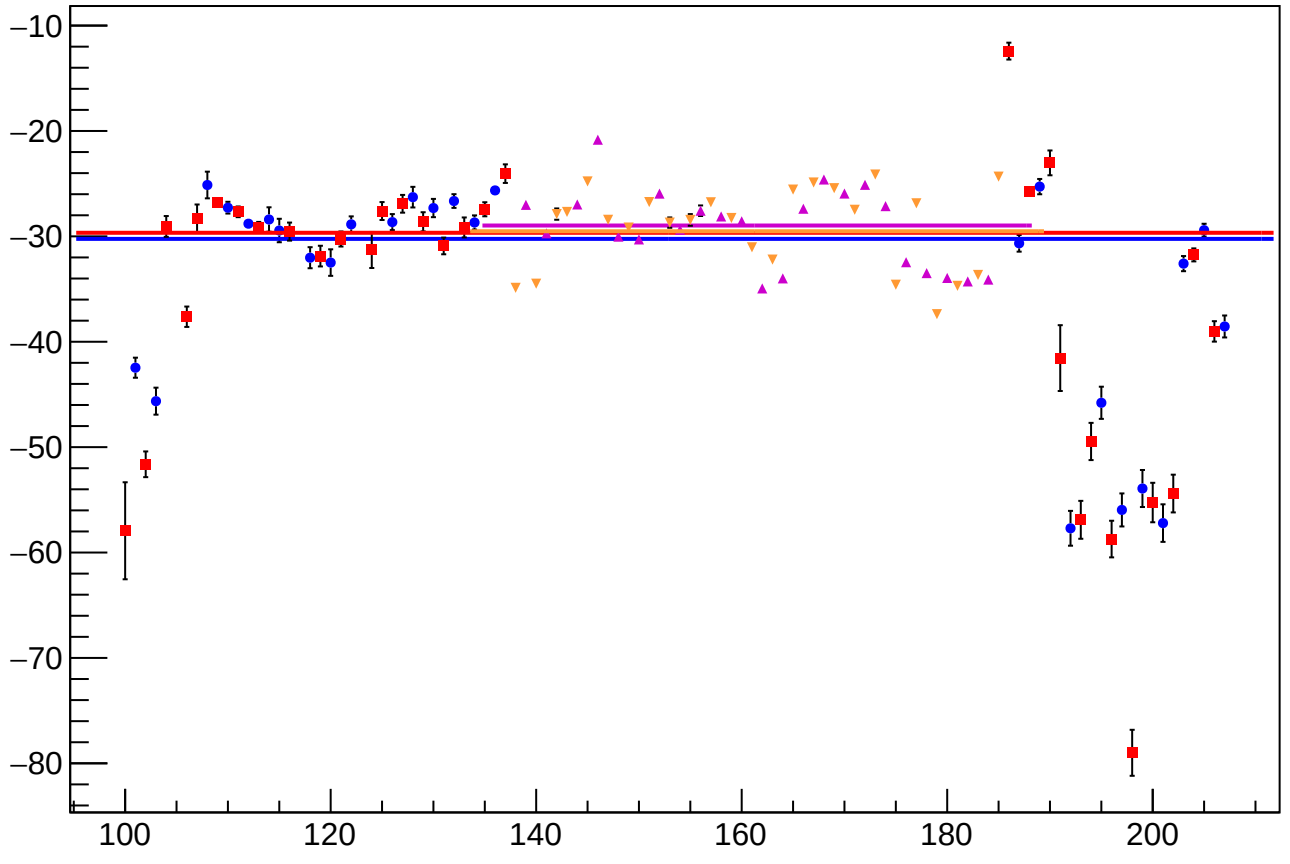
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.151+/-0.012 χ^2/NDF: 2331.5/56

In: 0.268+/-0.004 χ^2/NDF:2532.0/48

Out: 0.261+/-0.004 χ^2/NDF:2782.9/55

All: 0.264+/-0.003 χ^2/NDF: 5316.3/104



Right In: -30.239+/-0.158 χ^2/NDF: 1739.2/25

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

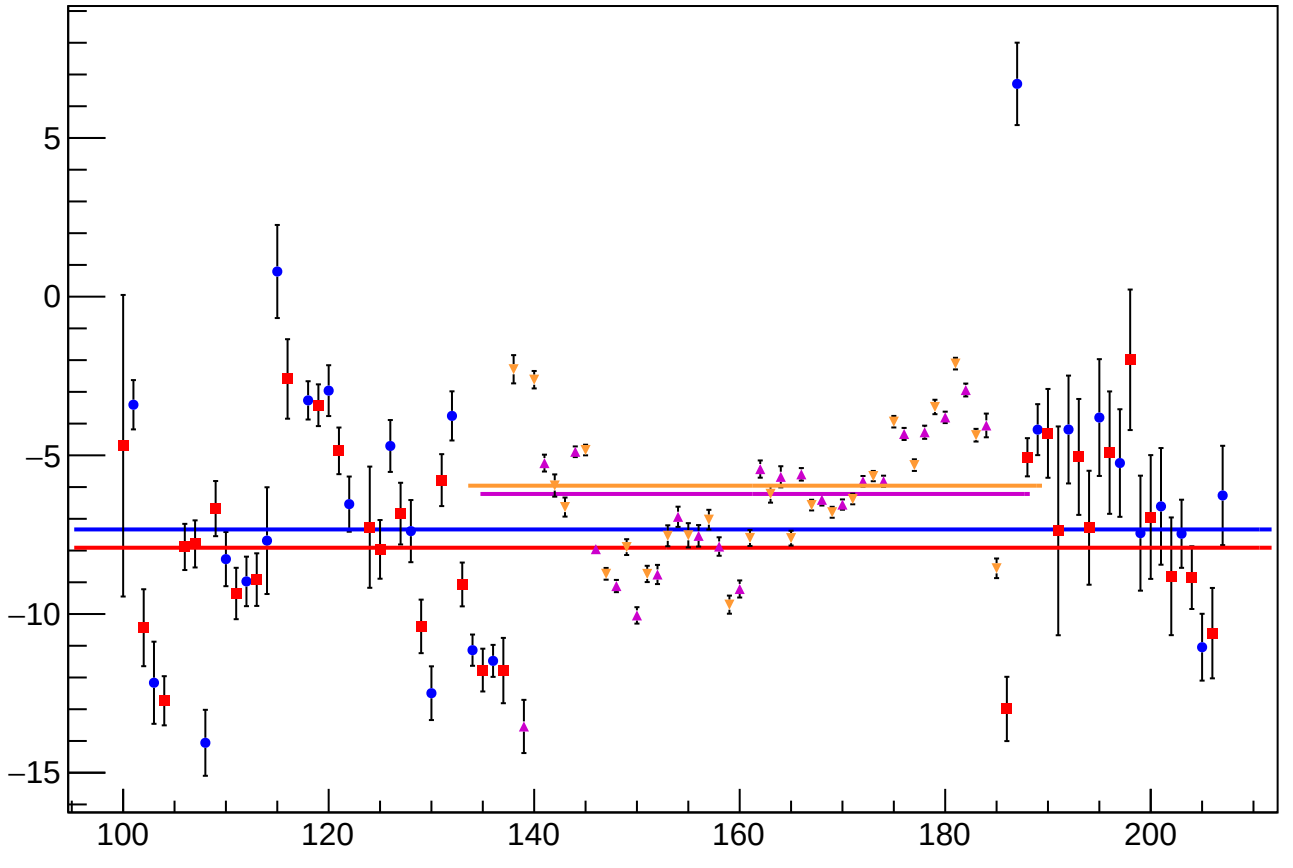
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.937+/-0.110 χ^2/NDF: 4528.8/56

In: -29.116+/-0.054 χ^2/NDF:7144.5/48

Out: -29.534+/-0.053 χ^2/NDF:8871.9/55

All: -29.328+/-0.038 χ^2/NDF: 16047.2/104



Right In: -7.335+/-0.176 χ^2/NDF: 543.8/25

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

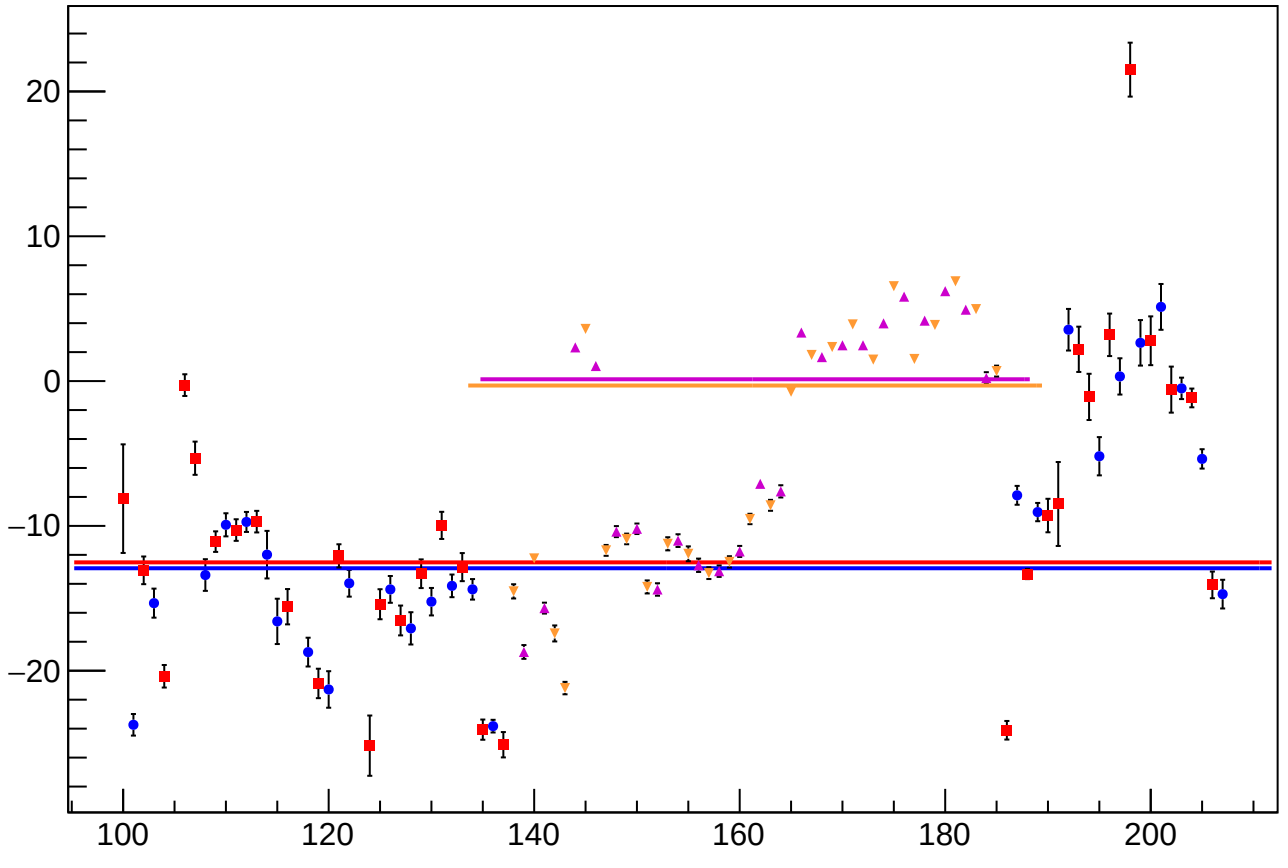
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.628+/-0.123 χ^2/NDF: 819.2/56

In: -6.283+/-0.043 χ^2/NDF:2323.5/48

Out: -6.077+/-0.043 χ^2/NDF:2247.3/55

All: -6.180+/-0.030 χ^2/NDF: 4582.3/104



Right In: -12.925+/-0.168 χ^2/NDF: 2001.7/25

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

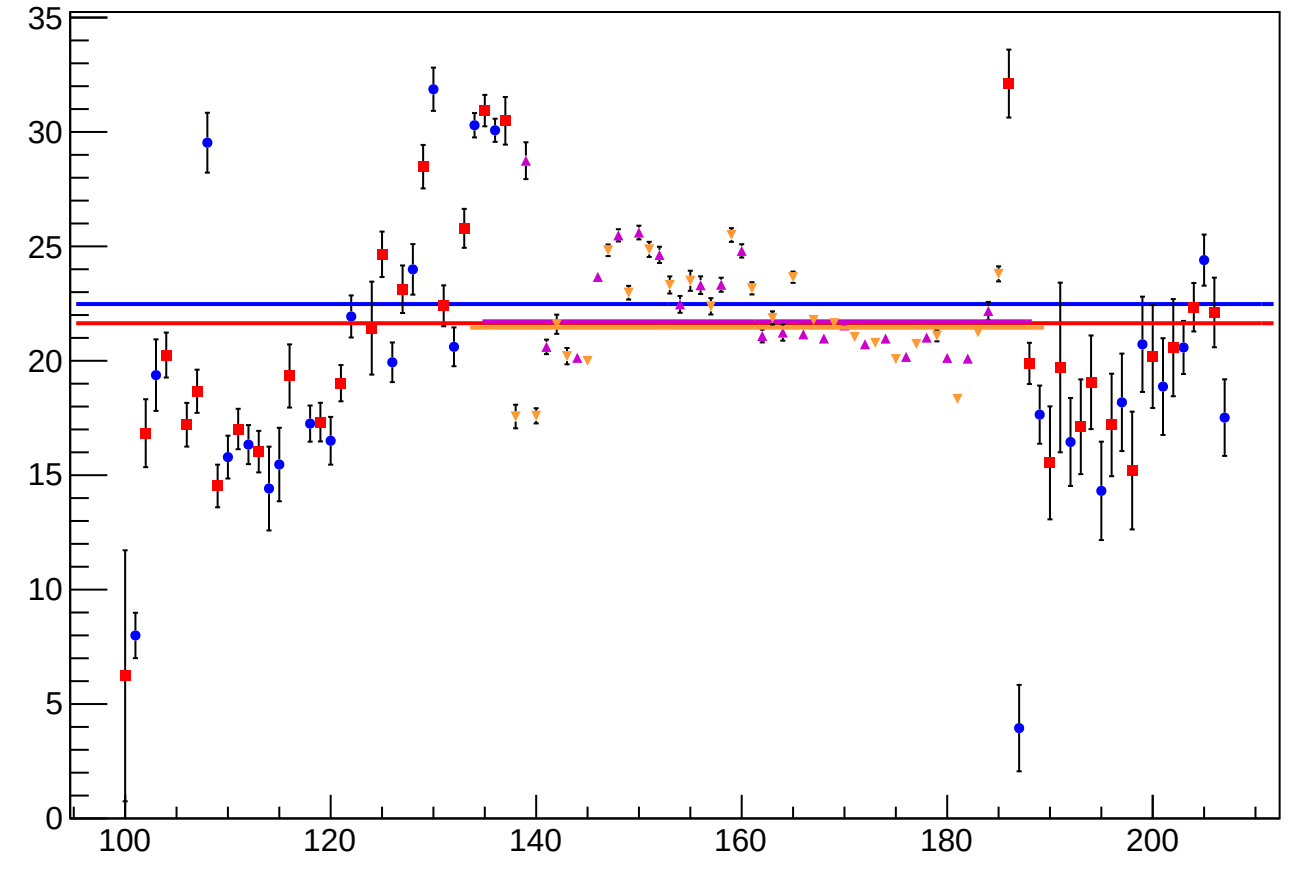
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -12.709+/-0.115 χ^2/NDF: 4444.0/56

In: -1.216+/-0.054 χ^2/NDF:21227.6/48

Out: -1.692+/-0.053 χ^2/NDF:24911.5/55

All: -1.457+/-0.038 χ^2/NDF: 46178.4/104



Right In: 22.479+/-0.200 χ^2/NDF: 1176.6/25

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

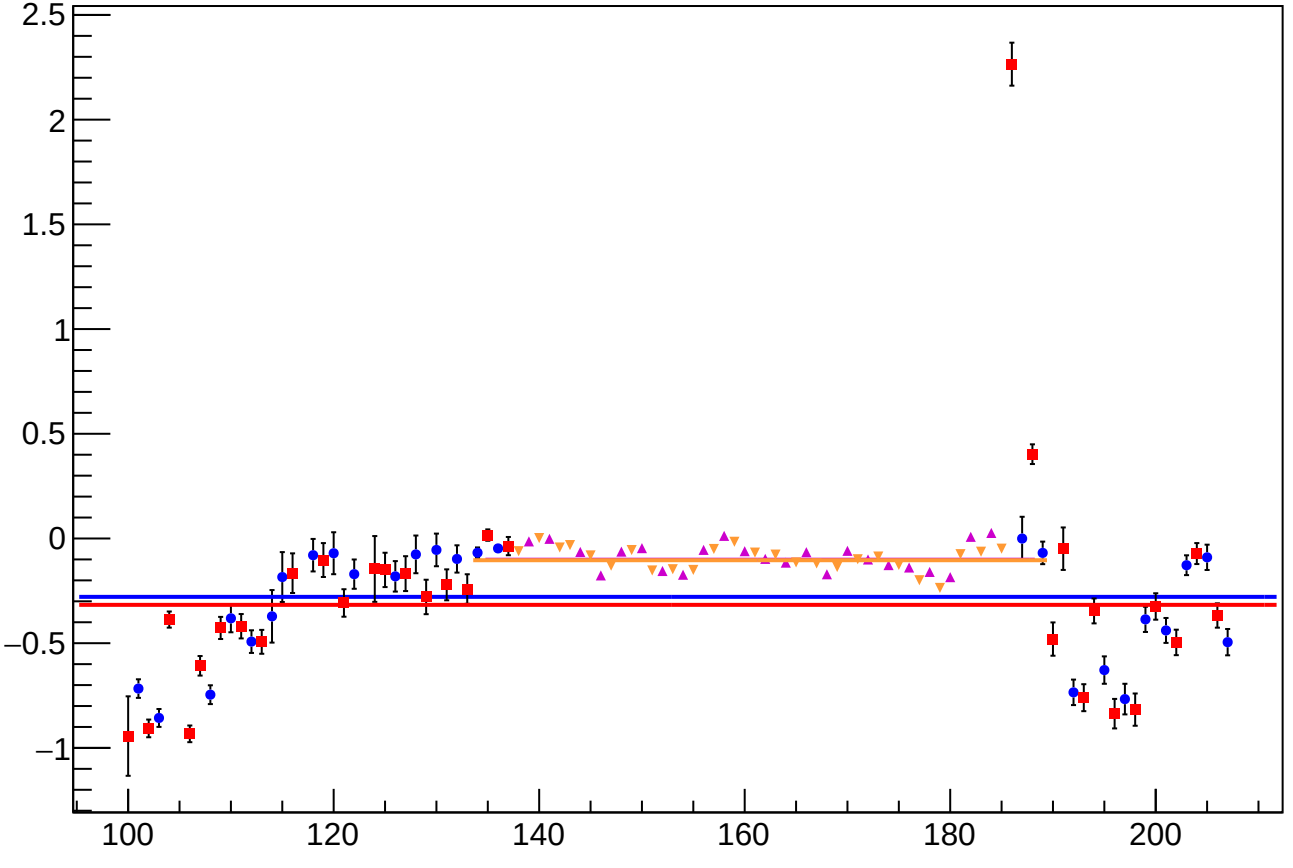
Right: 22.066+/-0.142 χ^2/NDF: 1821.3/56

In: 21.769+/-0.048 χ^2/NDF:2363.7/48

Out: 21.458+/-0.048 χ^2/NDF:1962.2/55

All: 21.613+/-0.034 χ^2/NDF: 4346.8/104

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.279+/-0.010 χ^2/NDF: 833.4/25

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

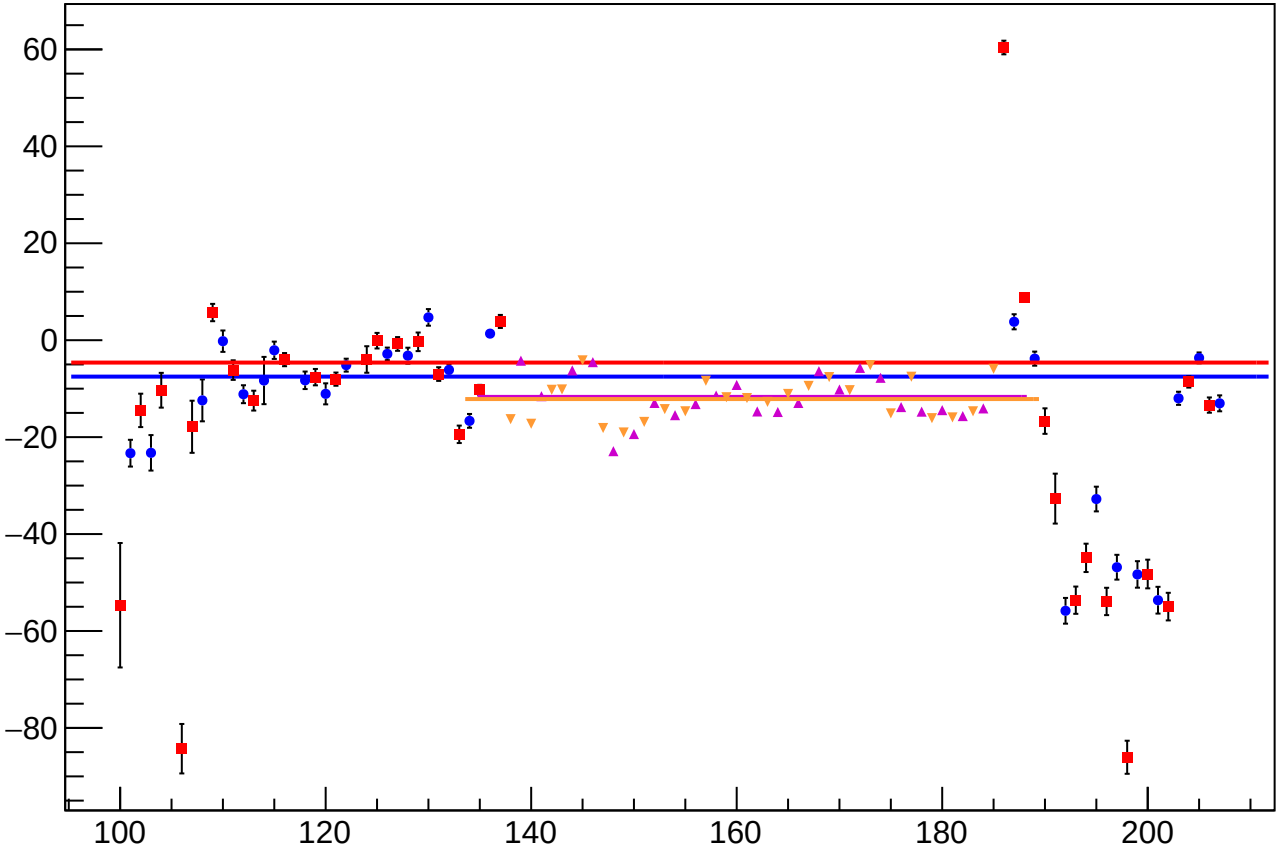
Right: -0.297+/-0.007 χ^2/NDF: 2613.6/56

In: -0.110+/-0.002 χ^2/NDF:1891.3/48

Out: -0.113+/-0.002 χ^2/NDF:2732.0/55

All: -0.111+/-0.002 χ^2/NDF: 4624.5/104

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.512+/-0.314 χ^2/NDF: 1627.3/25

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

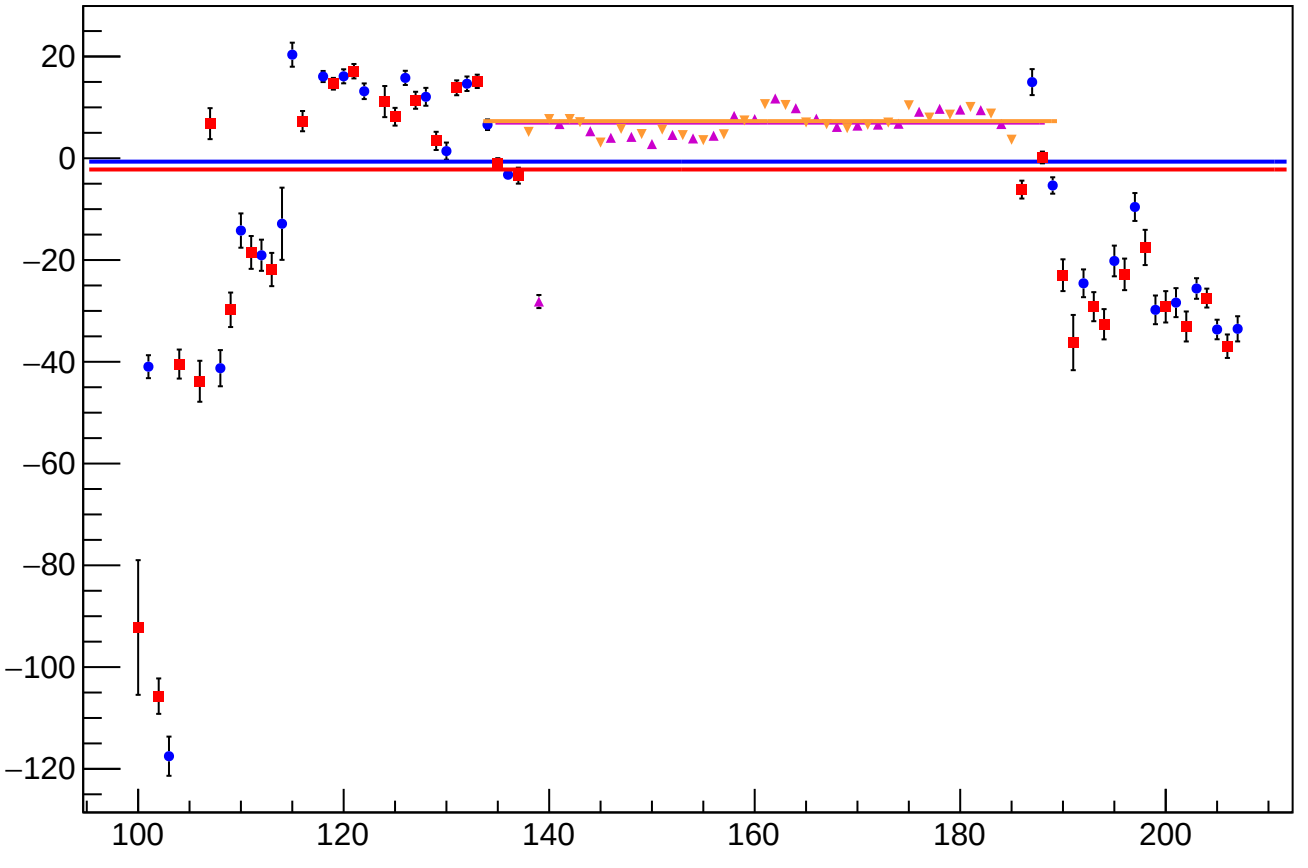
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -6.074+/-0.223 χ^2/NDF: 6544.5/56

In: -11.351+/-0.090 χ^2/NDF:3741.7/48

Out: -11.560+/-0.088 χ^2/NDF:7529.5/55

All: -11.458+/-0.063 χ^2/NDF: 11273.9/104



Right In: -0.663+/-0.341 χ^2/NDF: 3334.1/25

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

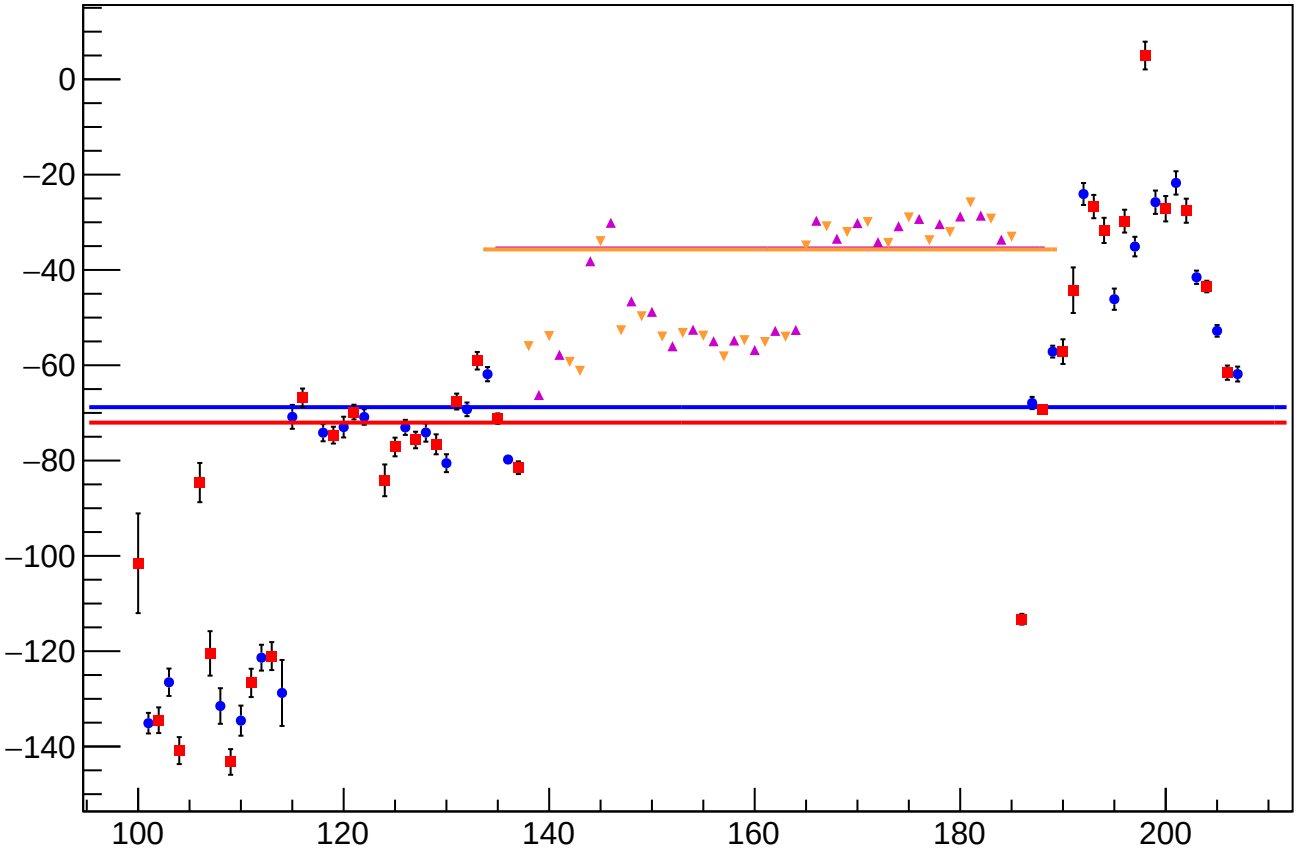
Right: -1.404+/-0.246 χ^2/NDF: 6495.5/56

In: 6.642+/-0.074 χ^2/NDF:5391.0/48

Out: 6.891+/-0.073 χ^2/NDF:4660.6/55

All: 6.768+/-0.052 χ^2/NDF: 10057.2/104

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -68.795+/-0.323 χ^2/NDF: 4947.7/25

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

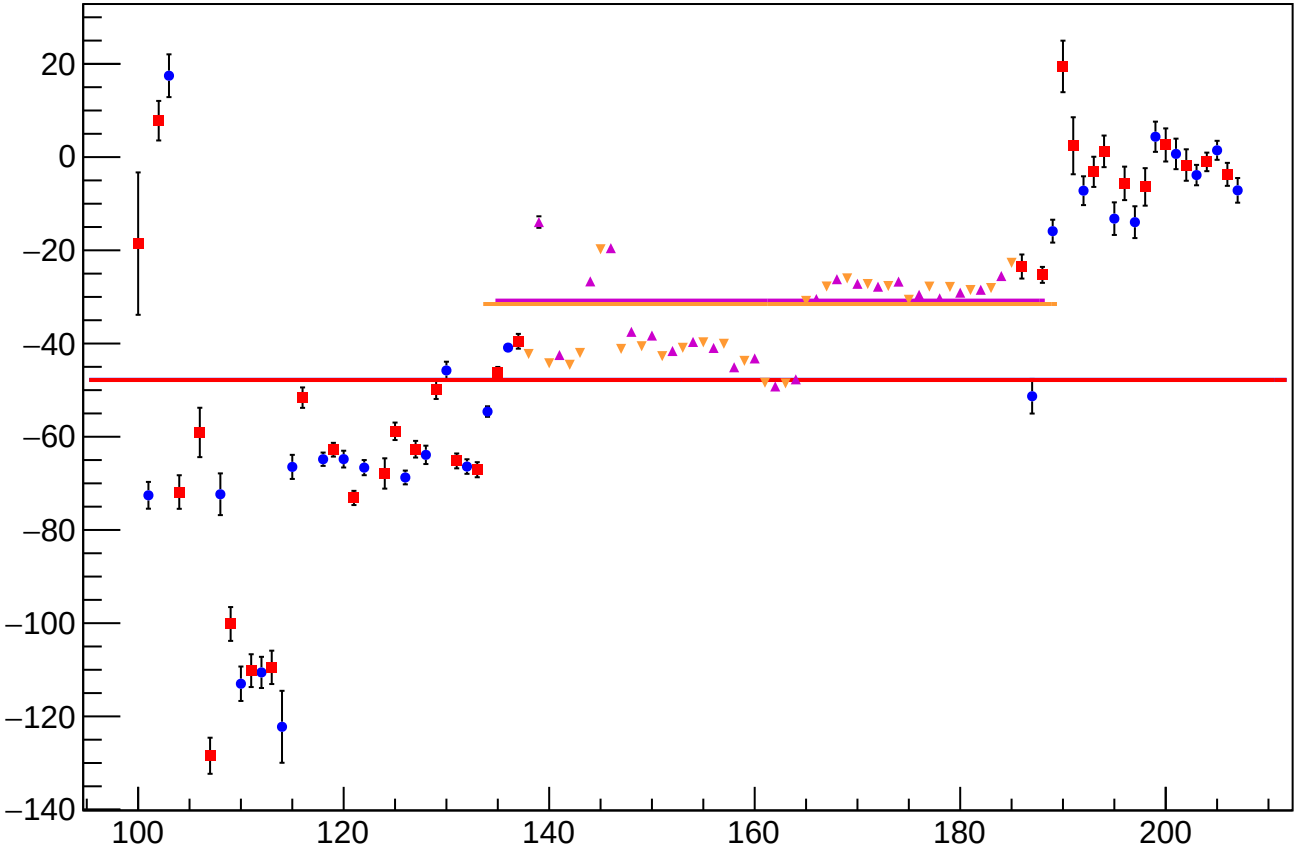
Right: -70.450+/-0.226 χ^2/NDF: 11928.7/56

In: -38.121+/-0.091 χ^2/NDF:25875.5/48

Out: -38.537+/-0.089 χ^2/NDF:31869.9/55

All: -38.334+/-0.063 χ^2/NDF: 57756.1/104

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -47.784+/-0.383 χ^2/NDF: 4243.5/25

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

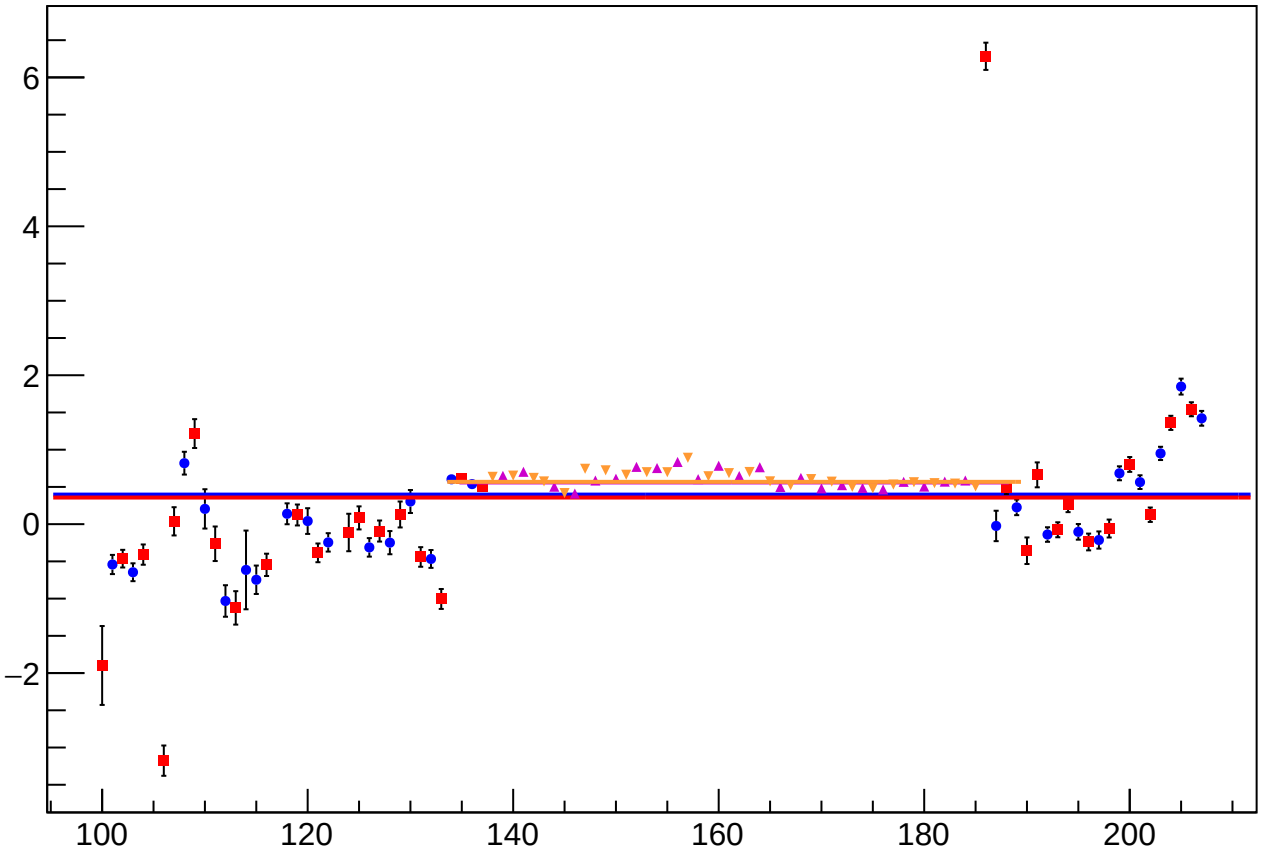
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -47.806+/-0.280 χ^2/NDF: 8917.9/56

In: -31.573+/-0.082 χ^2/NDF:13668.2/48

Out: -32.162+/-0.081 χ^2/NDF:14661.1/55

All: -31.872+/-0.058 χ^2/NDF: 28355.3/104



Right In: 0.397+/-0.019 χ^2/NDF: 820.9/25

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

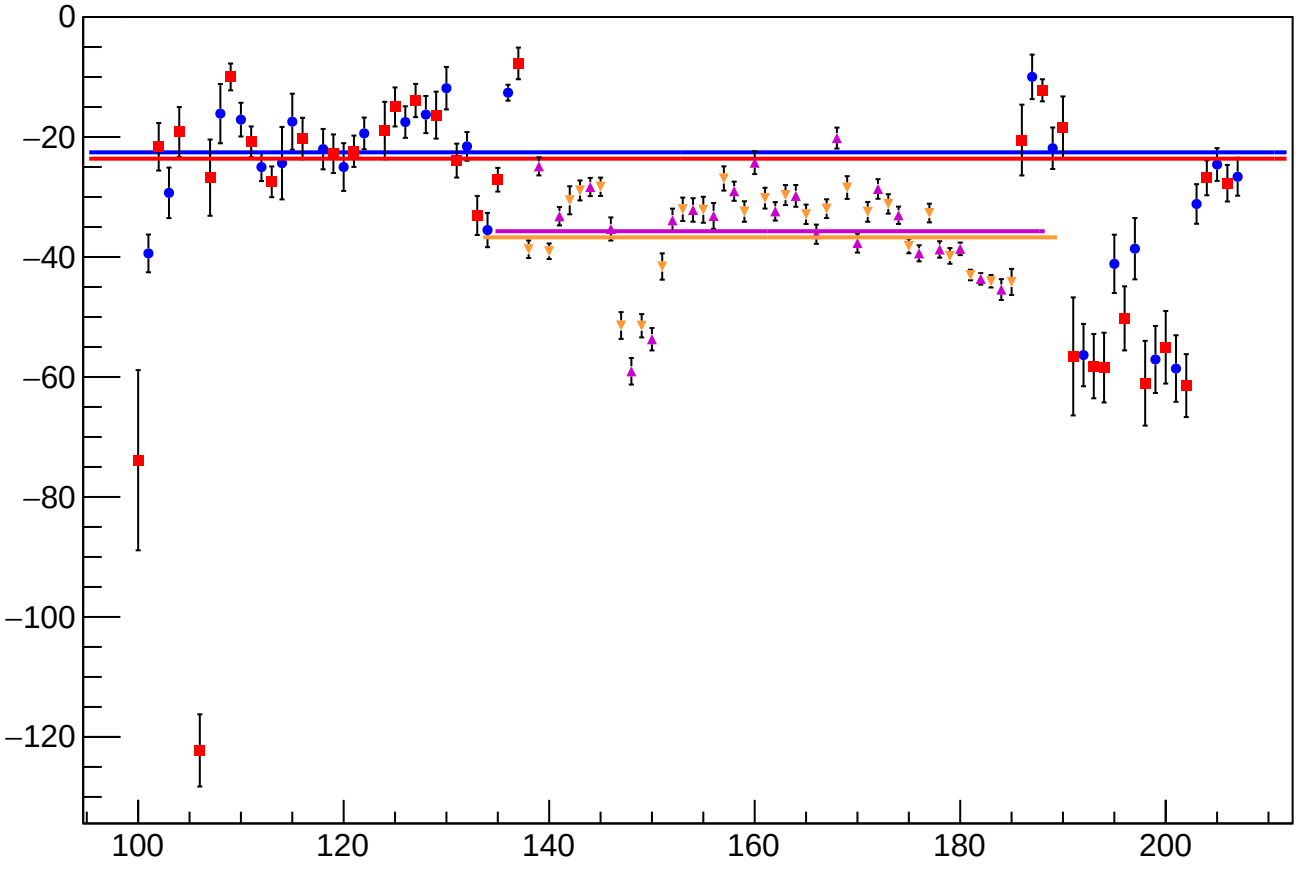
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.379+/-0.014 χ^2/NDF: 2995.4/56

In: 0.554+/-0.004 χ^2/NDF:1564.7/48

Out: 0.561+/-0.004 χ^2/NDF:2832.0/55

All: 0.558+/-0.003 χ^2/NDF: 4399.0/104



Right In: -22.555+/-0.605 χ^2/NDF: 302.6/25

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

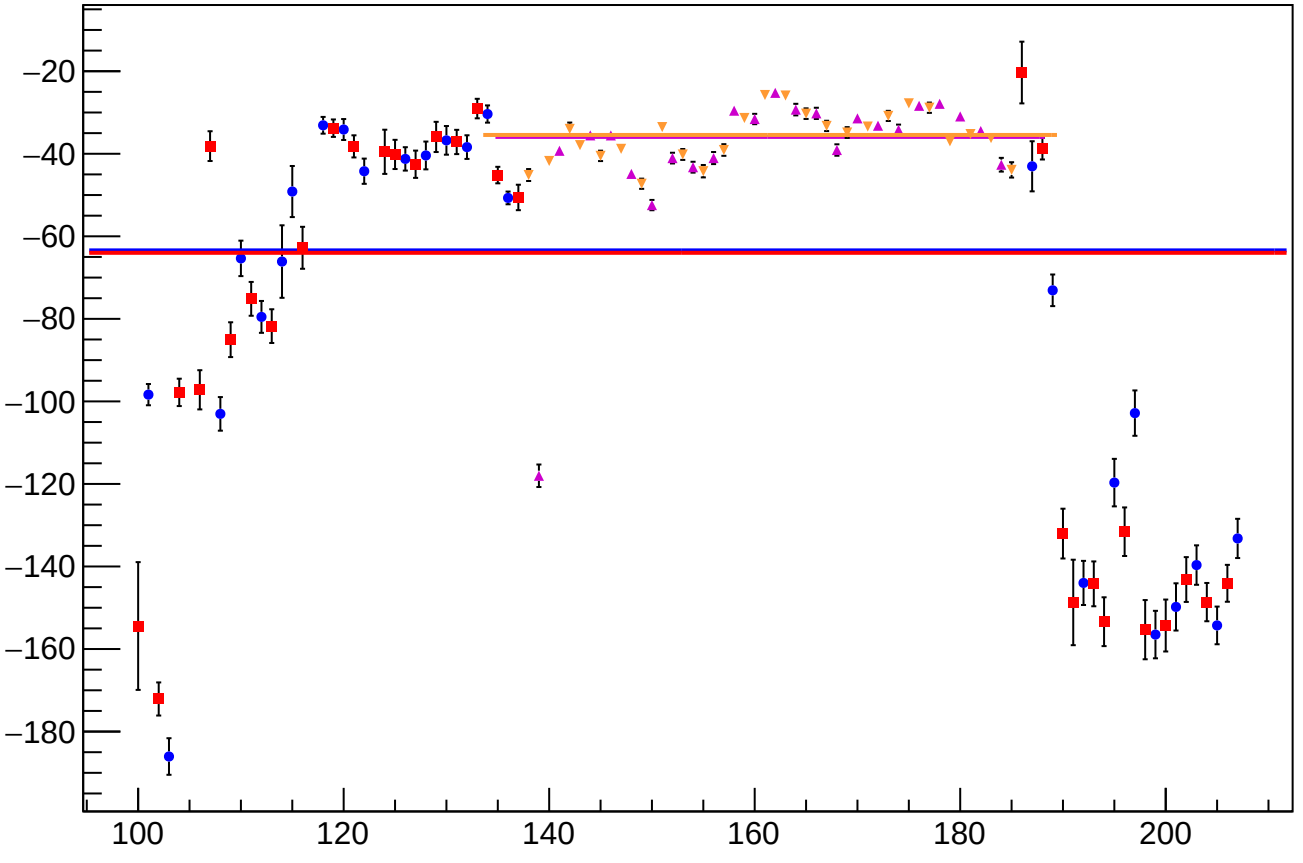
Right: -23.084+/-0.427 χ^2/NDF: 962.8/56

In: -32.783+/-0.285 χ^2/NDF:1249.2/48

Out: -33.985+/-0.276 χ^2/NDF:1452.8/55

All: -33.404+/-0.198 χ^2/NDF: 2711.1/104

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -63.411+/-0.648 χ^2/NDF: 3772.4/25

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

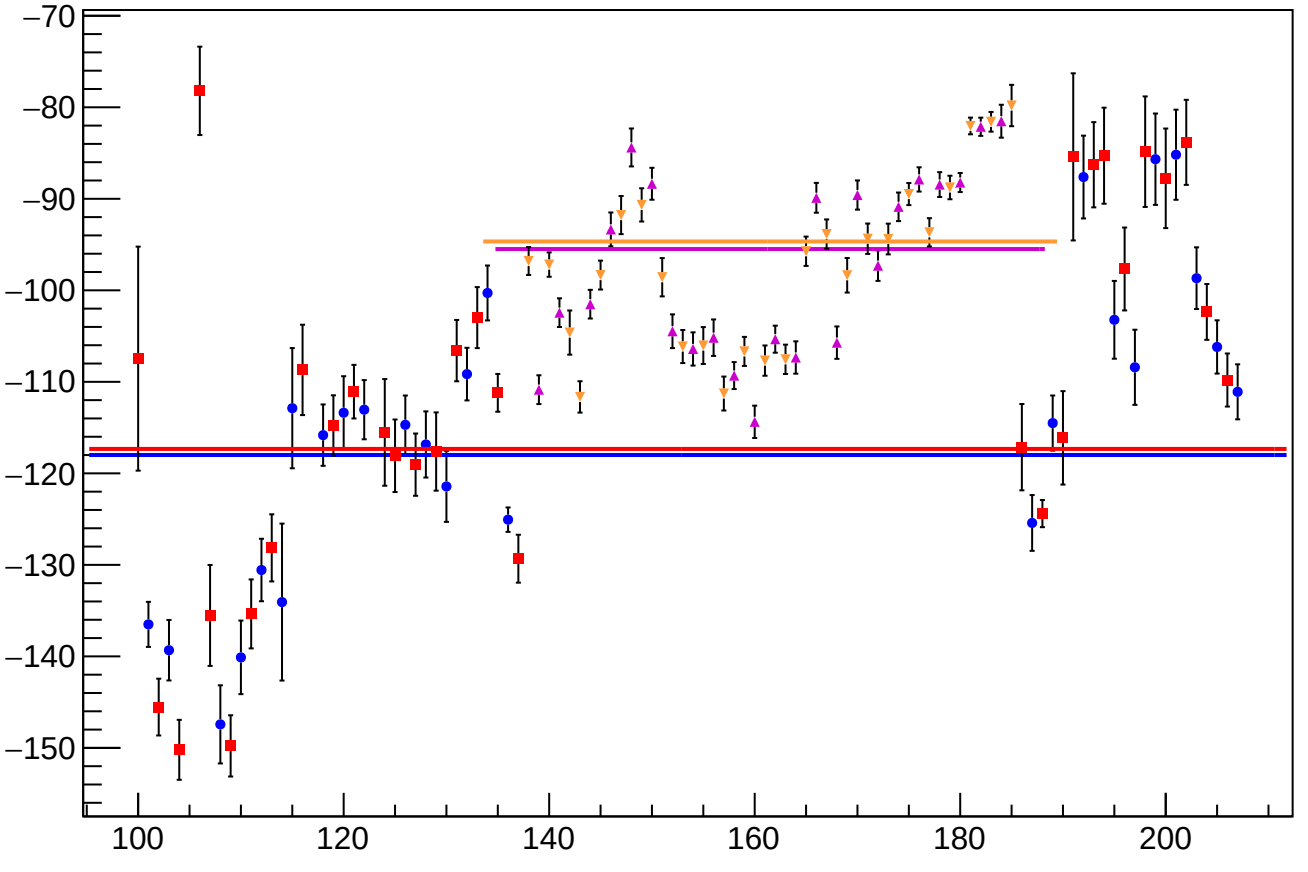
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -63.695+/-0.464 χ^2/NDF: 7795.3/56

In: -39.633+/-0.238 χ^2/NDF:6874.7/48

Out: -38.841+/-0.230 χ^2/NDF:6178.5/55

All: -39.223+/-0.165 χ^2/NDF: 13059.0/104



Right In: -117.996+/-0.625 χ^2/NDF: 482.9/25

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.330+/-0.623 χ^2/NDF: 730.4/30

Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

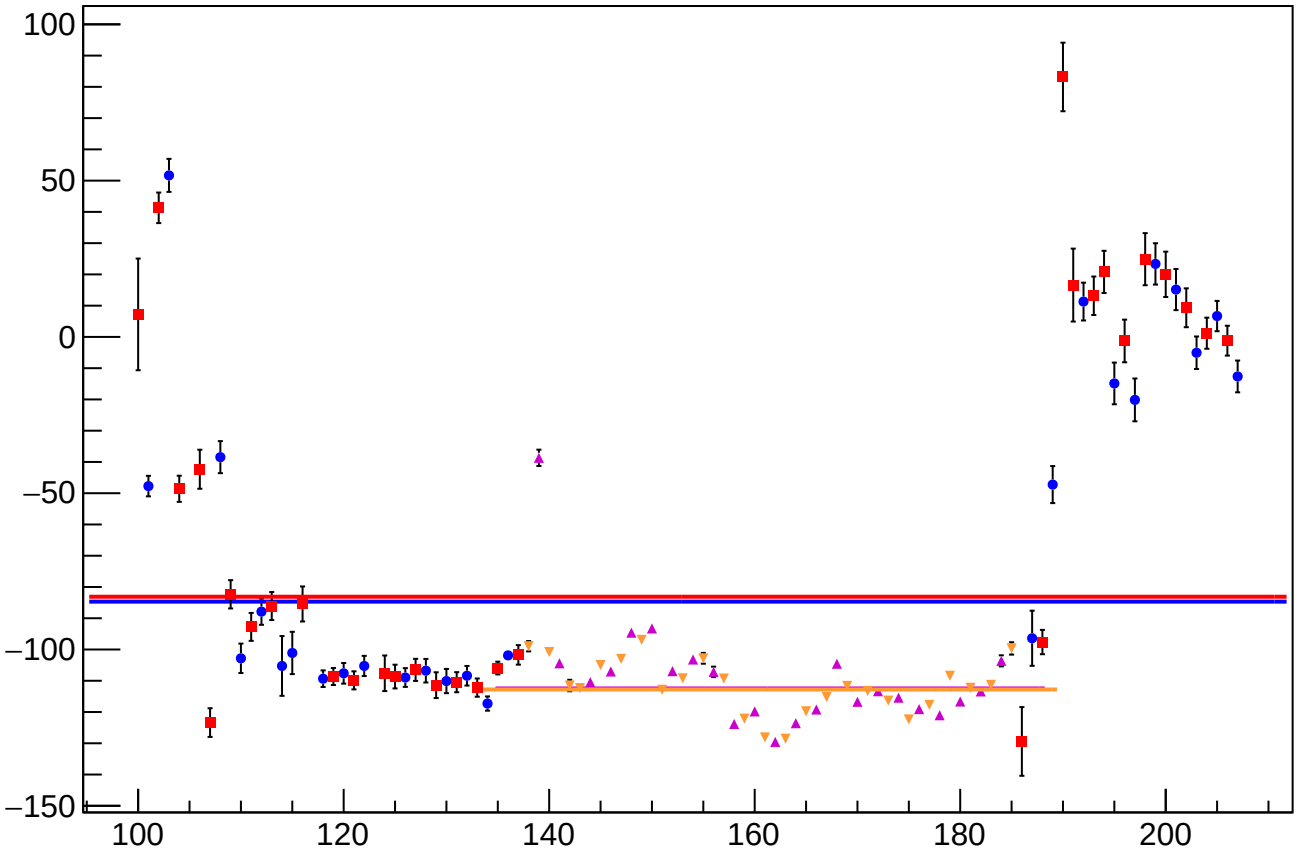
Left: -95.061+/-0.223 χ^2/NDF: 1873.6/47

Right: -117.662+/-0.441 χ^2/NDF: 1213.8/56

In: -100.187+/-0.286 χ^2/NDF:2477.9/48

Out: -99.152+/-0.277 χ^2/NDF:2690.6/55

All: -99.655+/-0.199 χ^2/NDF: 5175.3/104



Right In: -84.682+/-0.732 χ^2/NDF: 3384.5/25

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

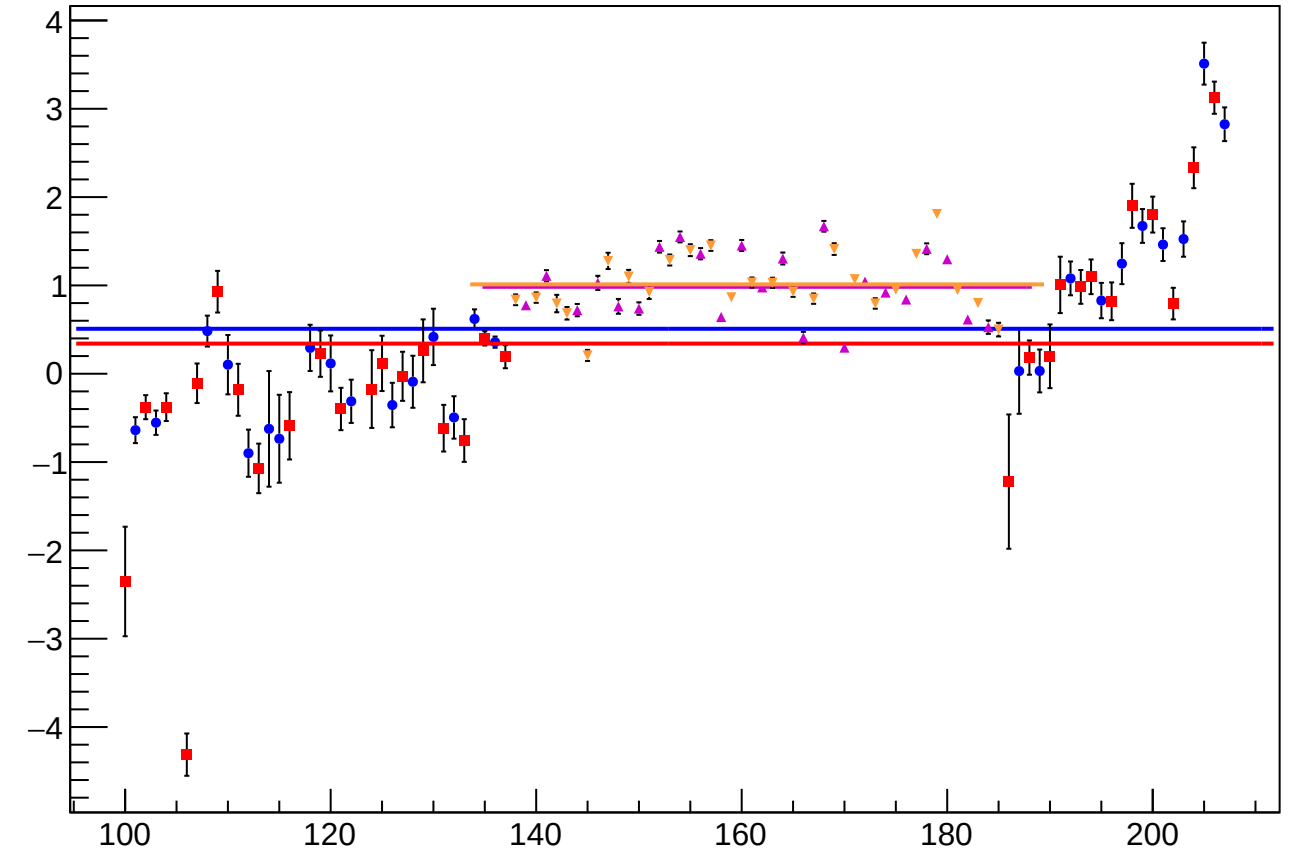
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -83.934+/-0.529 χ^2/NDF: 7047.0/56

In: -108.811+/-0.265 χ^2/NDF:6424.6/48

Out: -109.414+/-0.258 χ^2/NDF:5932.4/55

All: -109.121+/-0.185 χ^2/NDF: 12359.6/104



Right In: 0.509+/-0.035 χ^2/NDF: 635.5/25

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

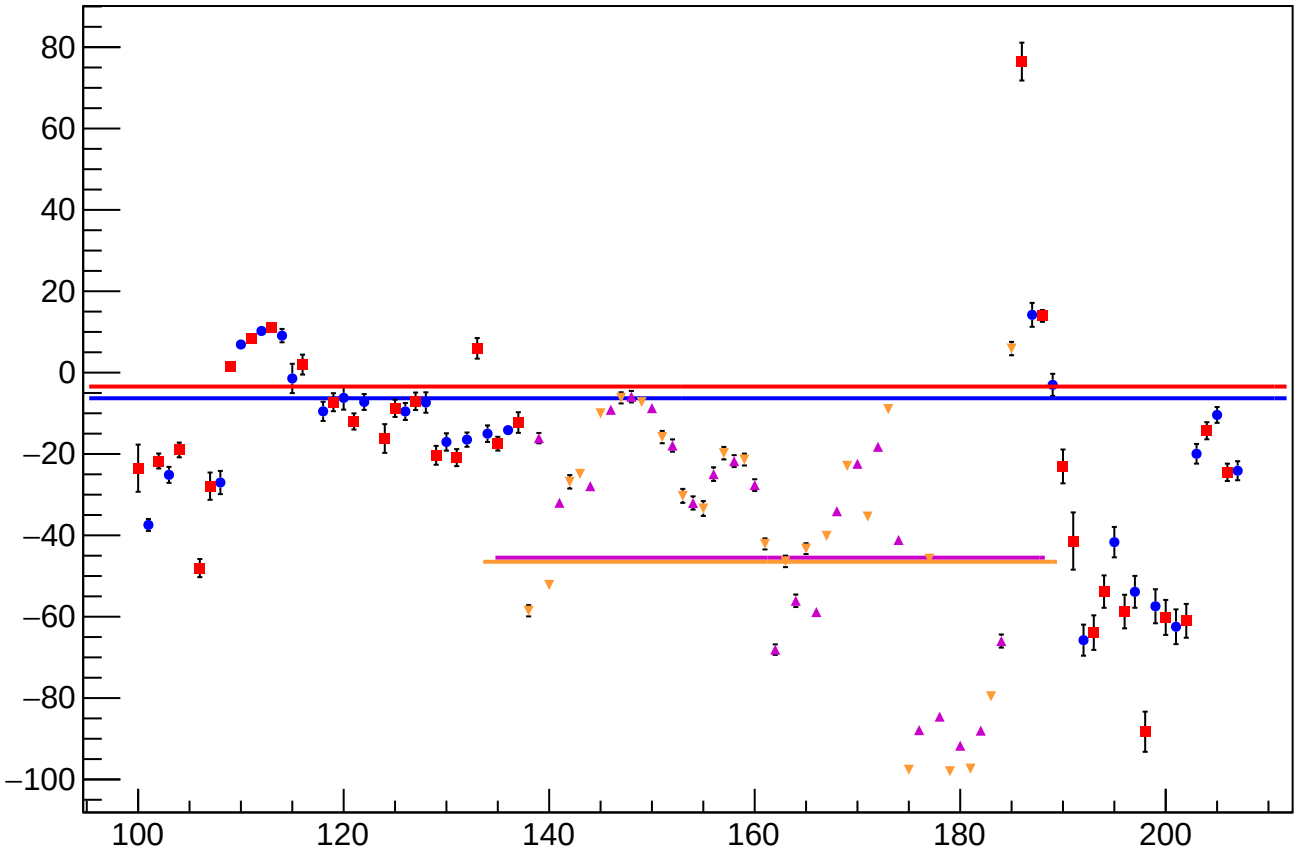
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.429+/-0.025 χ^2/NDF: 1630.5/56

In: 0.931+/-0.012 χ^2/NDF:1697.3/48

Out: 0.945+/-0.012 χ^2/NDF:1973.9/55

All: 0.938+/-0.008 χ^2/NDF: 3671.9/104



Right In: -6.302+/-0.349 χ^2/NDF: 2529.3/25

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.426+/-0.315 χ^2/NDF: 3374.4/30

Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

Left: -46.006+/-0.165 χ^2/NDF: 35627.0/47

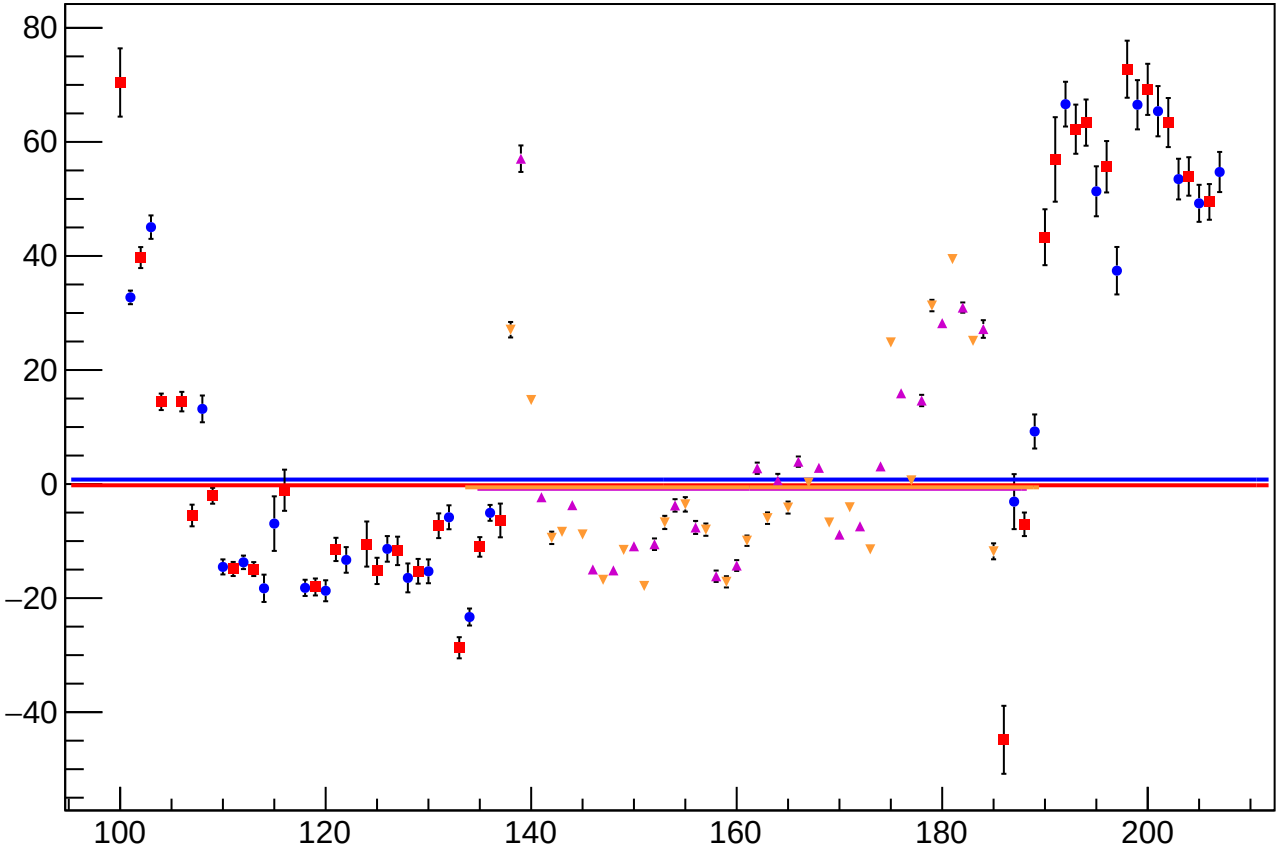
Right: -4.717+/-0.234 χ^2/NDF: 5941.2/56

In: -33.048+/-0.196 χ^2/NDF:26727.9/48

Out: -31.482+/-0.186 χ^2/NDF:35633.1/55

All: -32.221+/-0.135 χ^2/NDF: 62394.6/104

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.790+/-0.406 χ^2/NDF: 3934.8/25

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

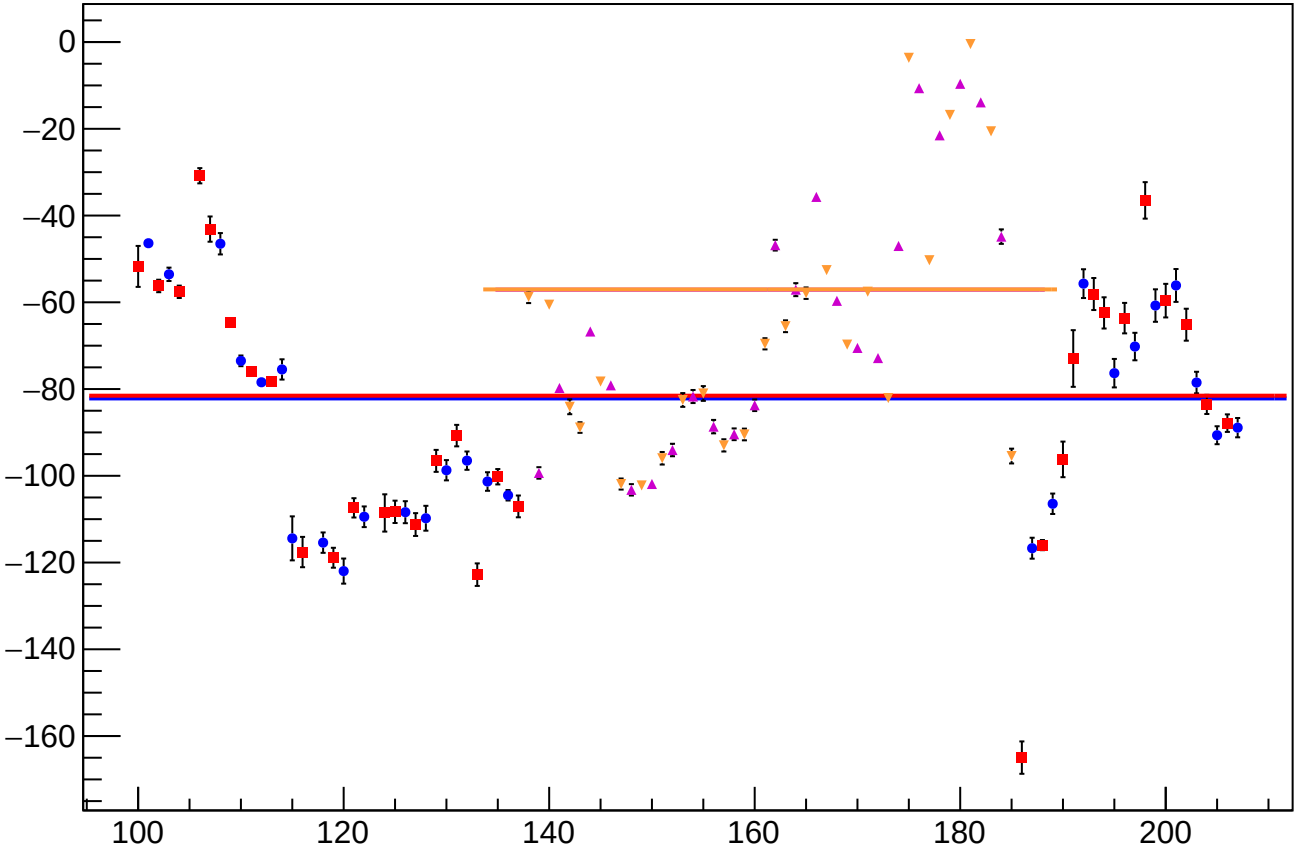
Right: 0.274+/-0.283 χ^2/NDF: 7599.0/56

In: -0.554+/-0.167 χ^2/NDF:10064.6/48

Out: -0.512+/-0.162 χ^2/NDF:12113.2/55

All: -0.533+/-0.116 χ^2/NDF: 22177.8/104

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.164+/-0.390 χ^2/NDF: 3376.3/25

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

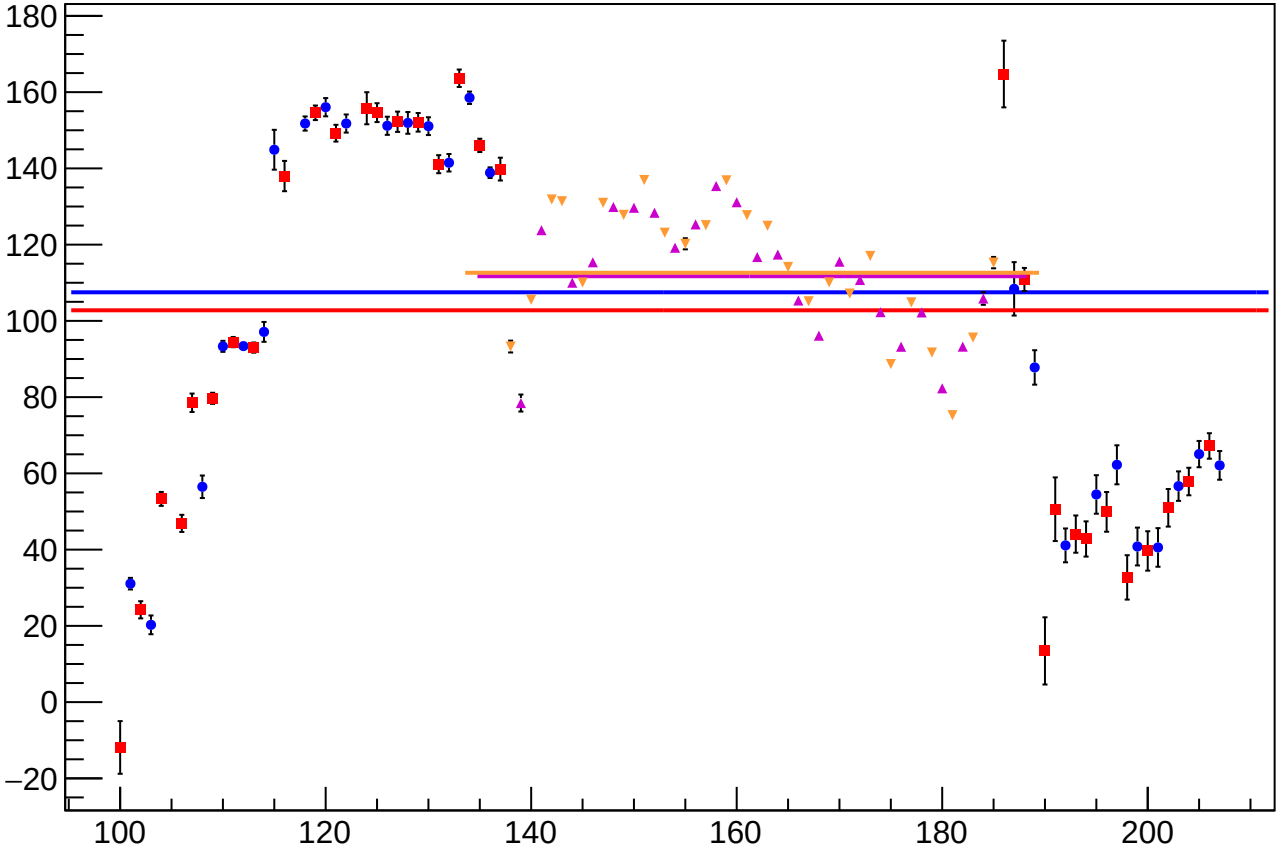
Right: -81.827+/-0.266 χ^2/NDF: 8258.2/56

In: -63.838+/-0.202 χ^2/NDF:23566.2/48

Out: -63.995+/-0.194 χ^2/NDF:28420.1/55

All: -63.919+/-0.140 χ^2/NDF: 51986.6/104

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 107.498+/-0.462 χ^2/NDF: 9593.0/25

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

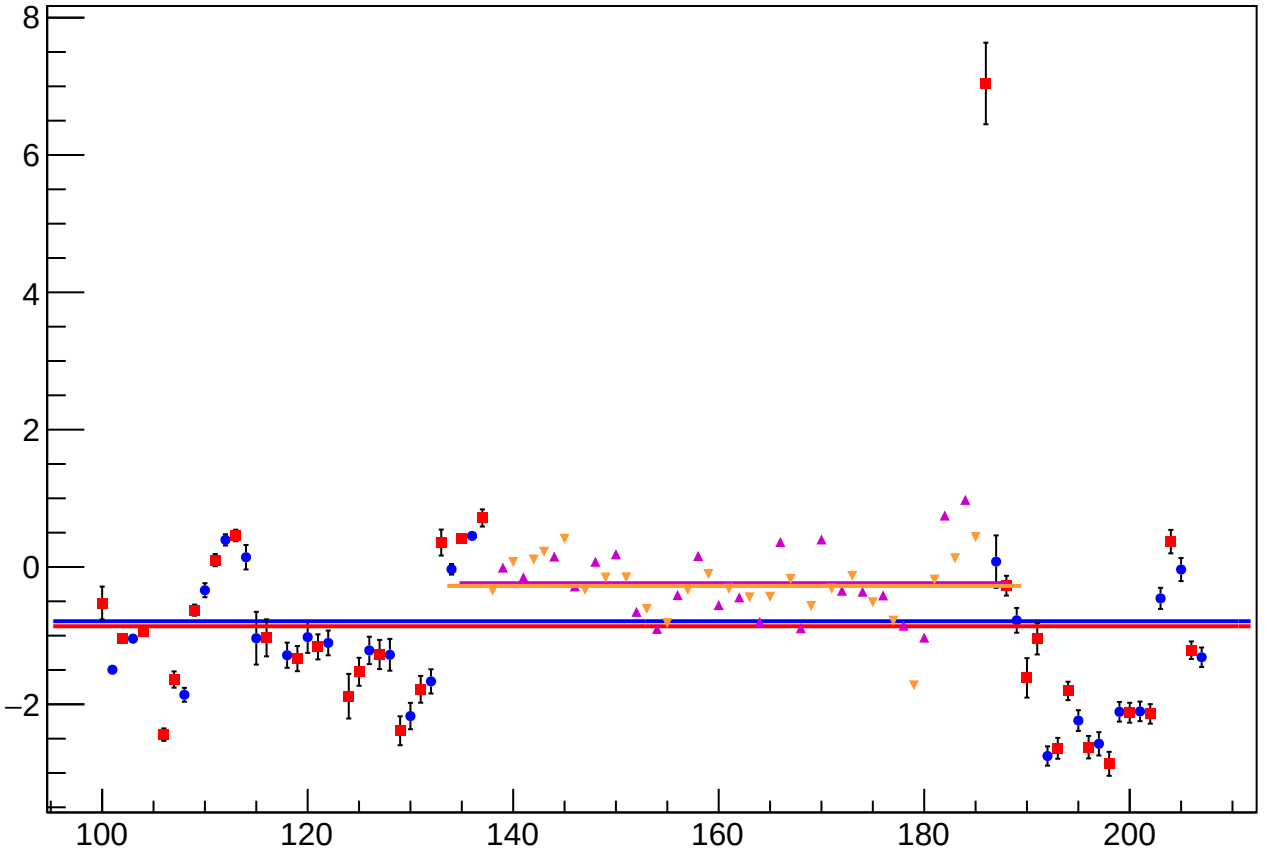
Right: 105.084+/-0.323 χ^2/NDF: 18575.5/56

In: 111.020+/-0.188 χ^2/NDF:14559.3/48

Out: 111.012+/-0.183 χ^2/NDF:16034.6/55

All: 111.016+/-0.131 χ^2/NDF: 30593.9/104

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.790+/-0.023 χ^2/NDF: 1781.0/25

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.863+/-0.022 χ^2/NDF: 2234.6/30

Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

Left: -0.257+/-0.006 χ^2/NDF: 5093.1/47

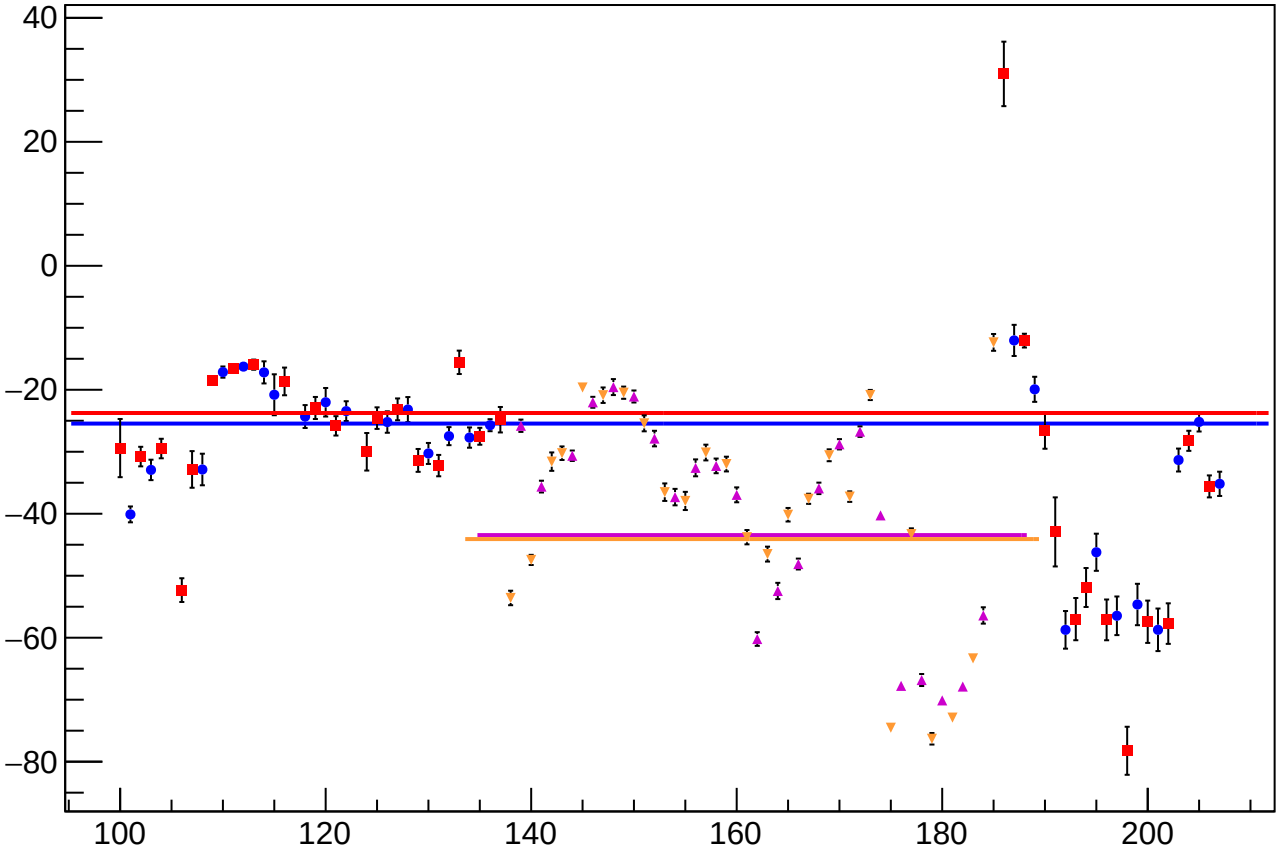
Right: -0.828+/-0.016 χ^2/NDF: 4020.8/56

In: -0.313+/-0.009 χ^2/NDF:5243.6/48

Out: -0.358+/-0.008 χ^2/NDF:4955.9/55

All: -0.336+/-0.006 χ^2/NDF: 10213.9/104

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.454+/-0.314 χ^2/NDF: 943.0/25

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

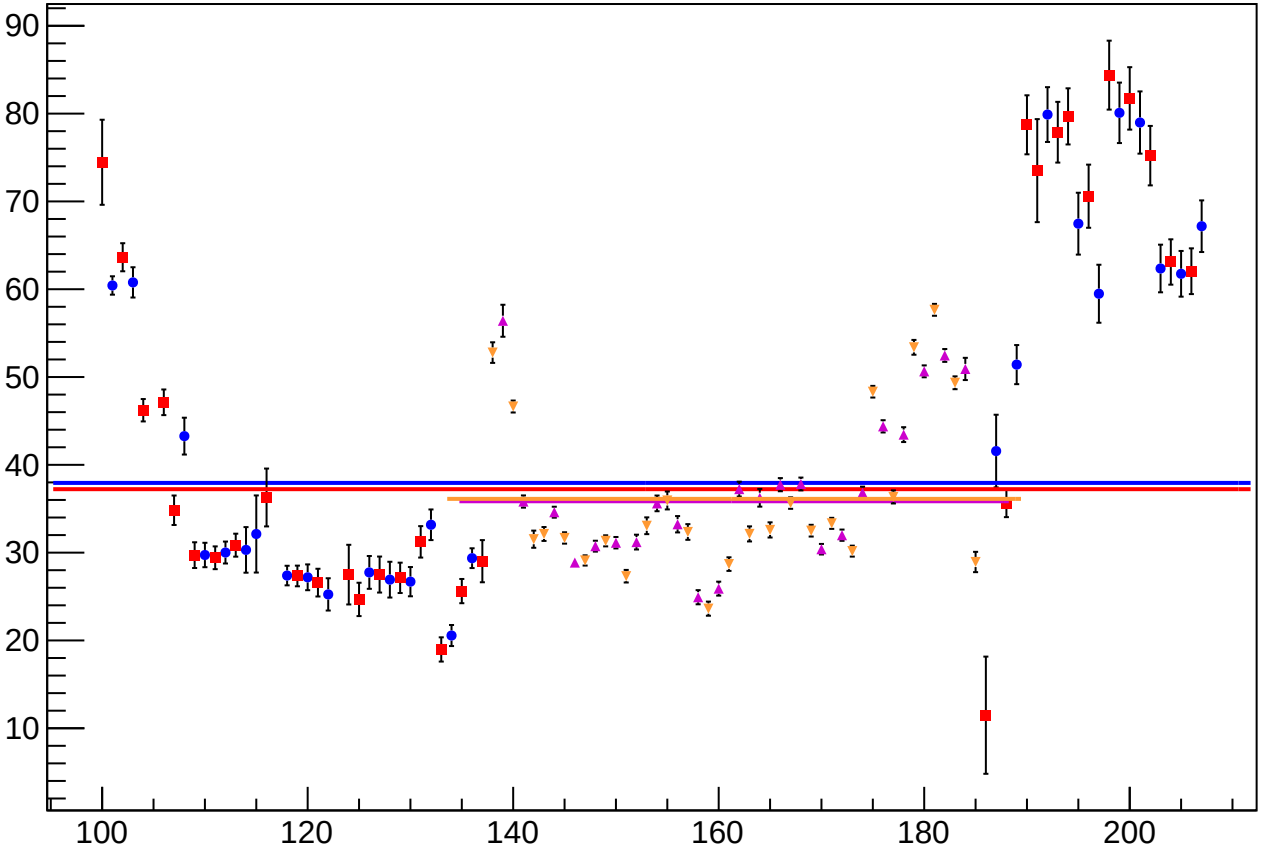
Right: -24.532+/-0.213 χ^2/NDF: 2496.9/56

In: -38.309+/-0.168 χ^2/NDF:11102.8/48

Out: -37.847+/-0.161 χ^2/NDF:15284.8/55

All: -38.068+/-0.116 χ^2/NDF: 26391.5/104

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 37.941+/-0.349 χ^2/NDF: 2178.3/25

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

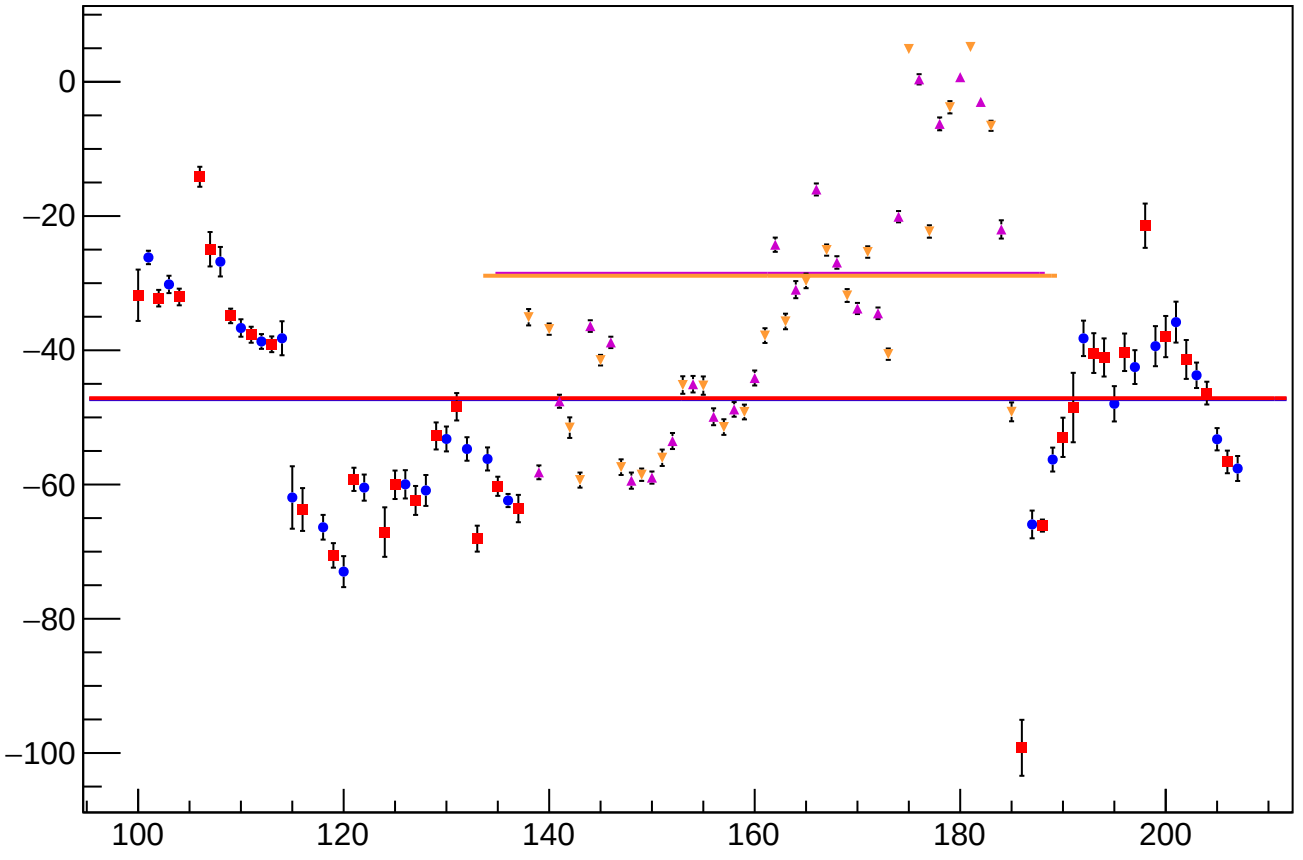
Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

Right: 37.577+/-0.245 χ^2/NDF: 4414.7/56

In: 36.195+/-0.142 χ^2/NDF:4501.7/48

Out: 36.301+/-0.137 χ^2/NDF:5801.5/55

All: 36.250+/-0.099 χ^2/NDF: 10303.5/104



Right In: -47.272+/-0.339 χ^2/NDF: 1689.0/25

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

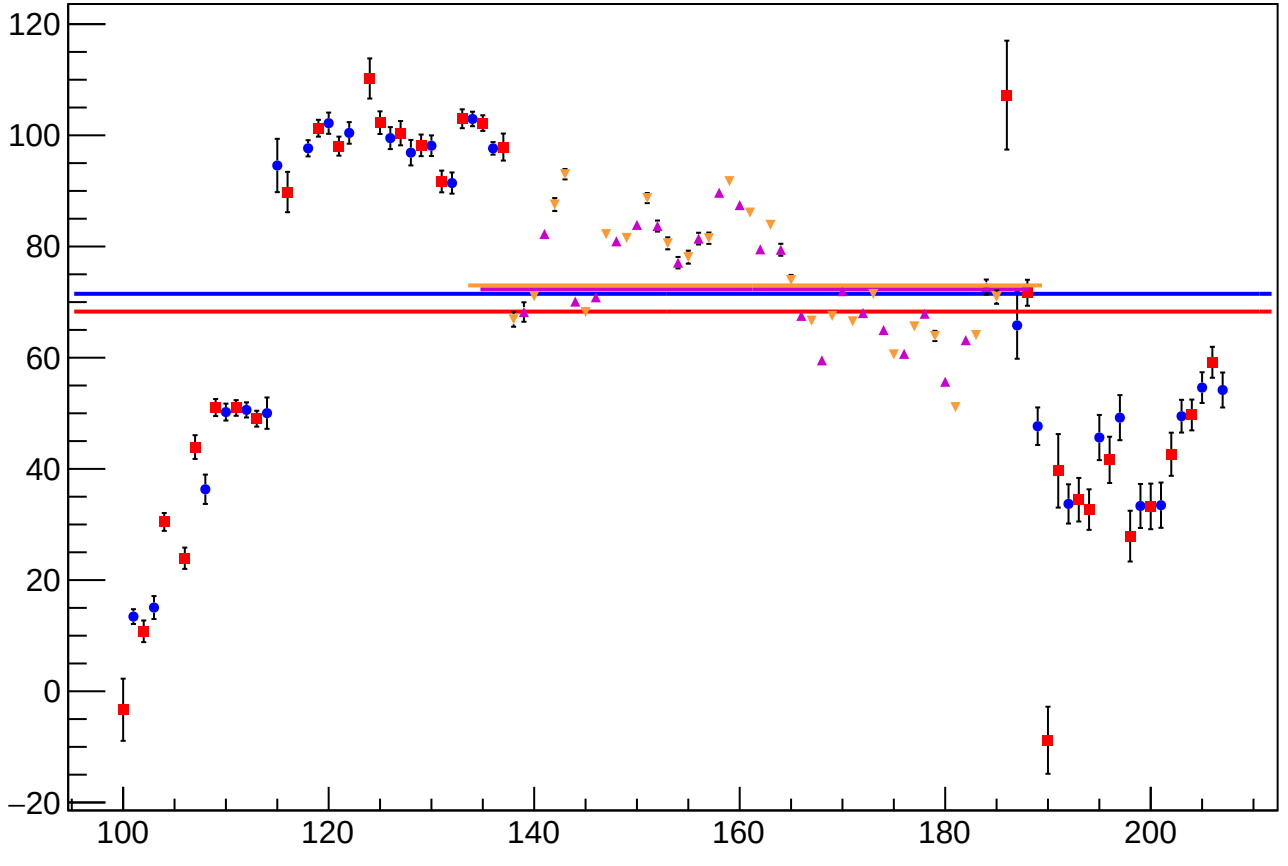
Right: -47.203+/-0.232 χ^2/NDF: 4160.0/56

In: -33.355+/-0.171 χ^2/NDF:13970.7/48

Out: -33.769+/-0.165 χ^2/NDF:16665.4/55

All: -33.569+/-0.119 χ^2/NDF: 30639.1/104

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.494+/-0.400 χ^2/NDF: 6436.7/25

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

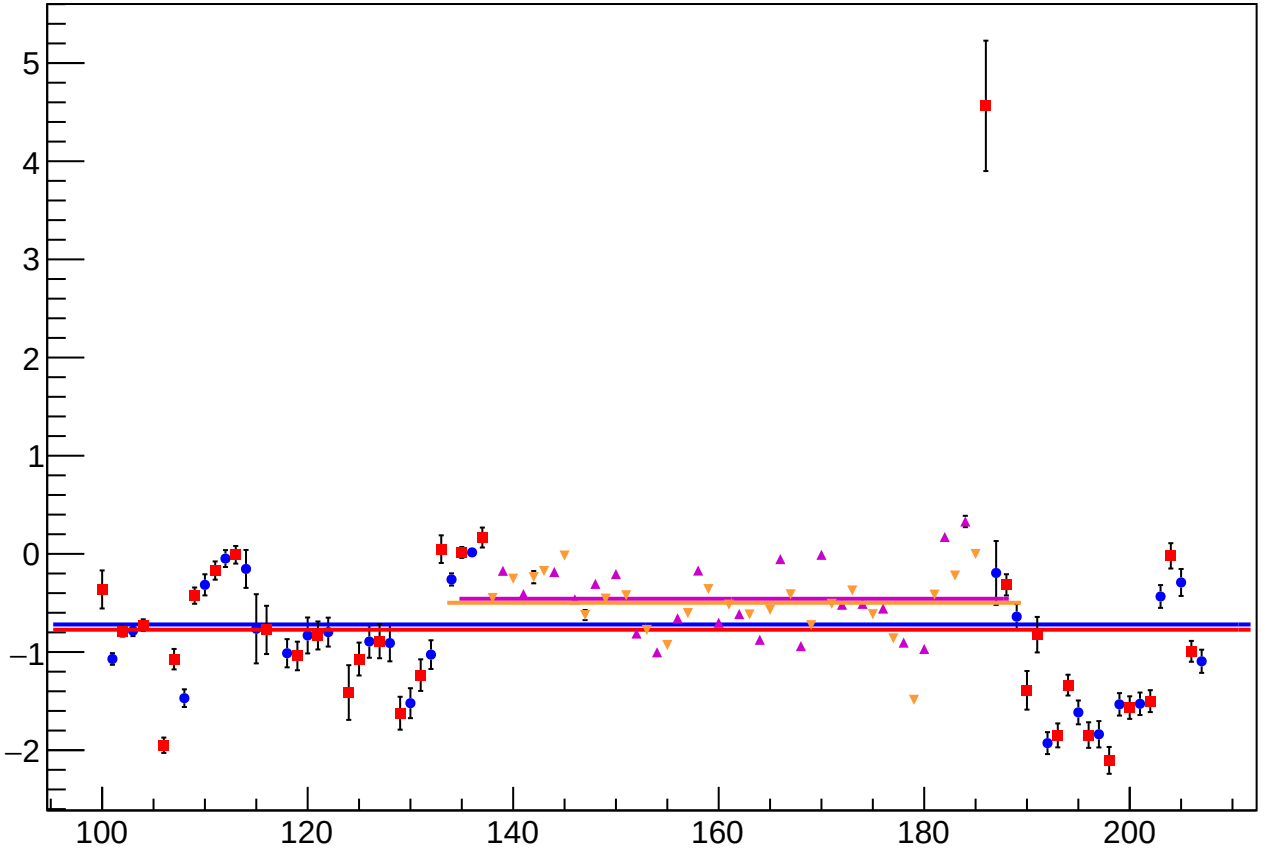
Right: 69.879+/-0.281 χ^2/NDF: 12814.8/56

In: 72.174+/-0.159 χ^2/NDF:9352.7/48

Out: 72.279+/-0.155 χ^2/NDF:10518.0/55

All: 72.228+/-0.111 χ^2/NDF: 19870.9/104

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.719+/-0.019 χ^2/NDF: 912.4/25

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

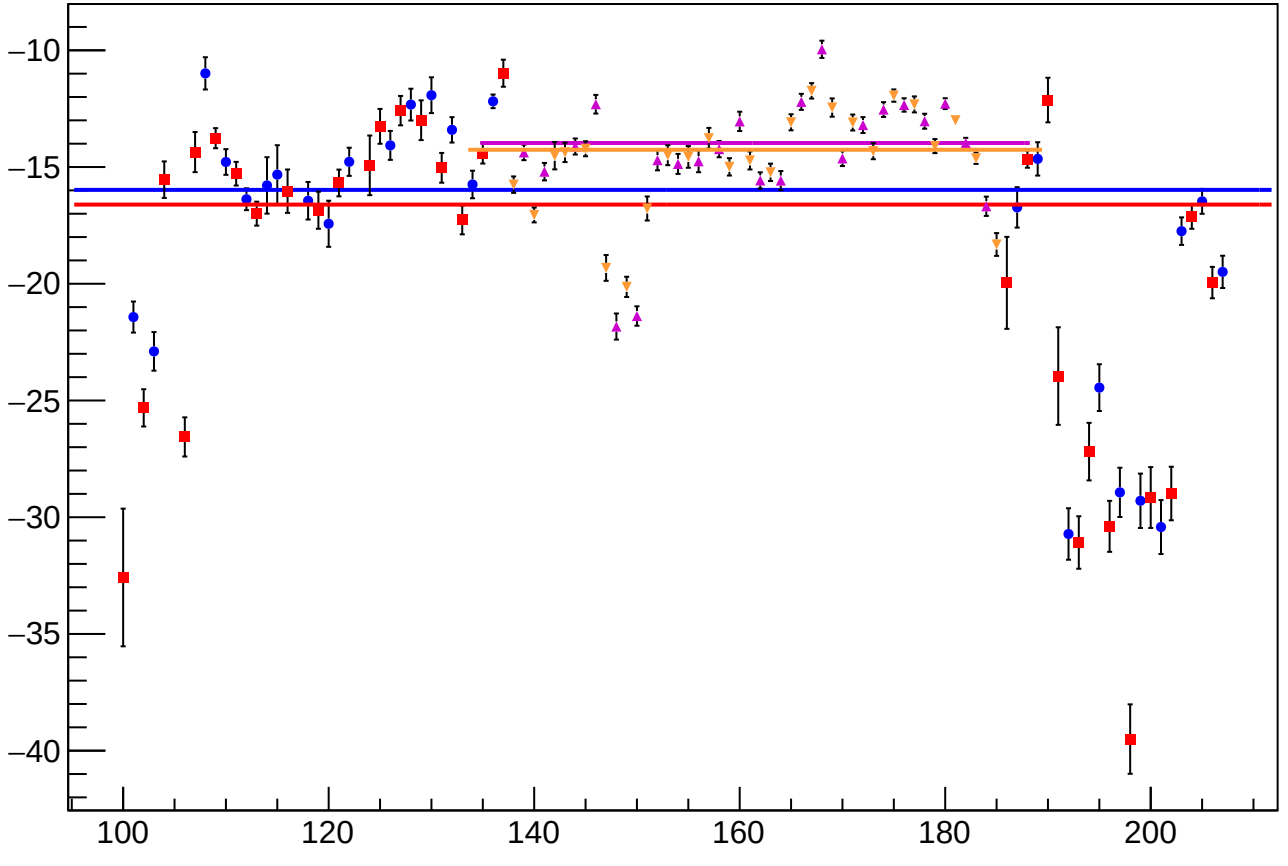
Right: -0.747+/-0.014 χ^2/NDF: 2144.8/56

In: -0.493+/-0.007 χ^2/NDF:3172.3/48

Out: -0.535+/-0.007 χ^2/NDF:2891.0/55

All: -0.514+/-0.005 χ^2/NDF: 6081.2/104

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.979+/-0.128 χ^2/NDF: 1186.8/25

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

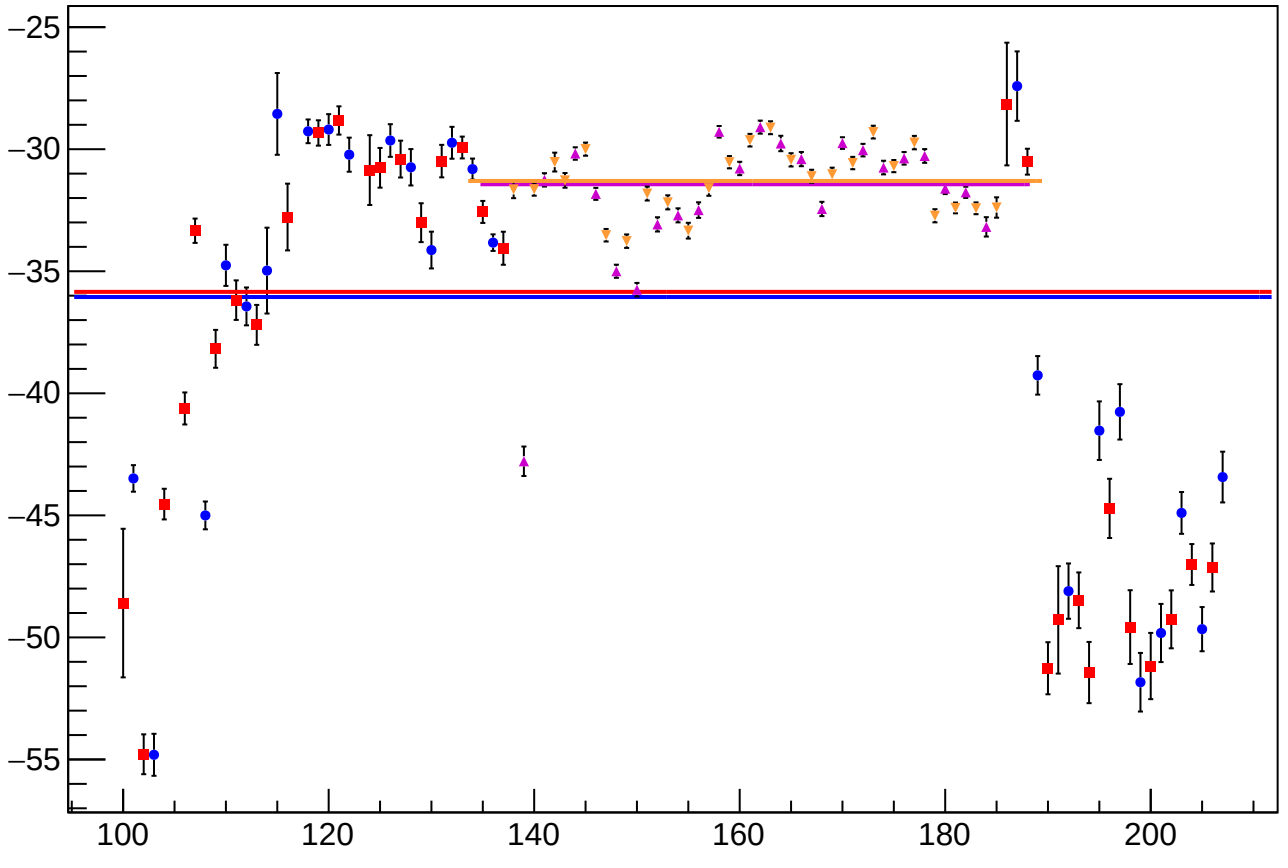
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.300+/-0.090 χ^2/NDF: 2693.8/56

In: -14.450+/-0.063 χ^2/NDF:2281.1/48

Out: -14.813+/-0.061 χ^2/NDF:2485.7/55

All: -14.637+/-0.044 χ^2/NDF: 4784.0/104



Right In: -36.056+/-0.139 χ^2/NDF: 2642.3/25

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

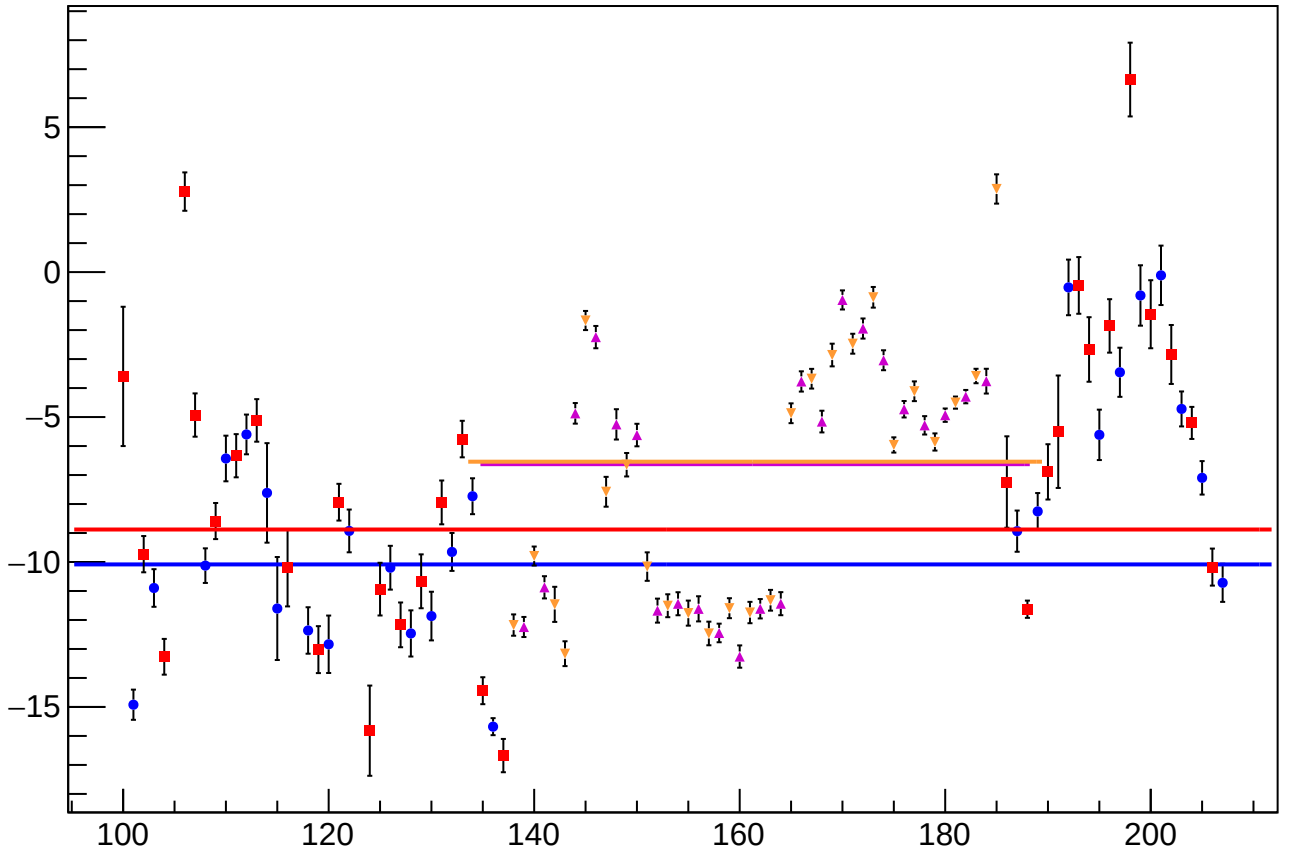
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -35.948+/-0.098 χ^2/NDF: 5540.6/56

In: -32.108+/-0.053 χ^2/NDF:4802.3/48

Out: -31.934+/-0.051 χ^2/NDF:4394.0/55

All: -32.018+/-0.037 χ^2/NDF: 9201.8/104



Right In: -10.083+/-0.132 χ^2/NDF: 1044.0/25

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

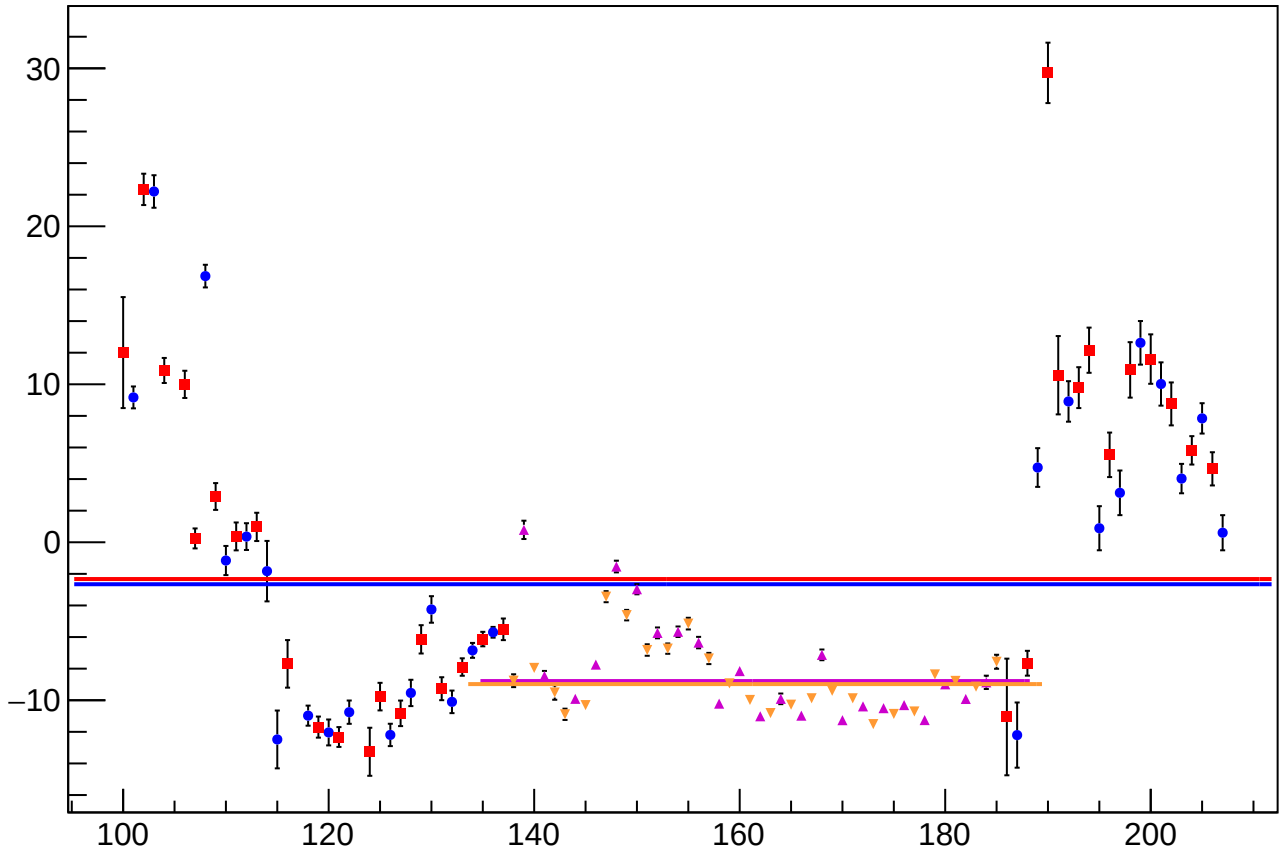
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.463+/-0.092 χ^2/NDF: 2479.9/56

In: -7.407+/-0.063 χ^2/NDF:4481.6/48

Out: -7.071+/-0.061 χ^2/NDF:4892.8/55

All: -7.234+/-0.044 χ^2/NDF: 9389.0/104



Right In: -2.656+/-0.157 χ^2/NDF: 3152.0/25

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

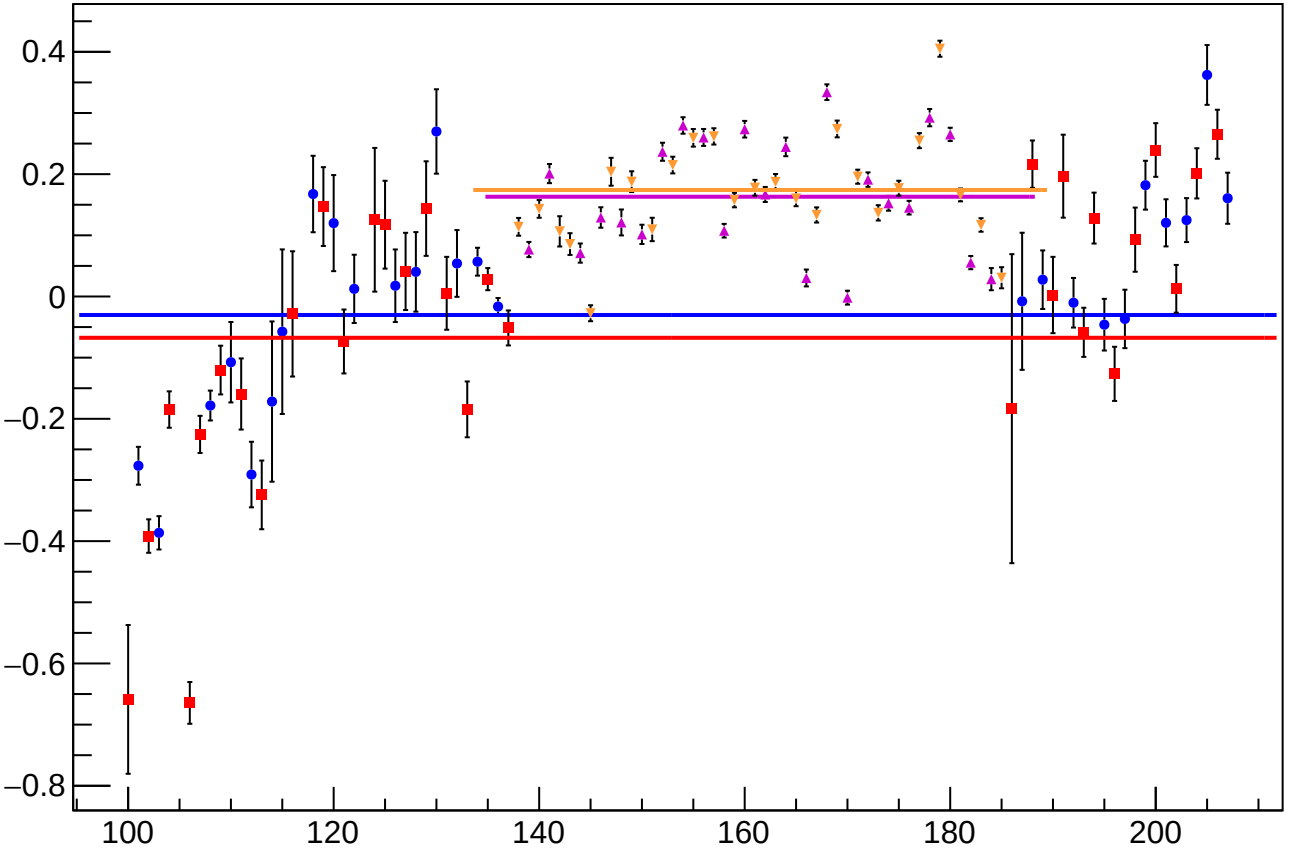
Right: -2.494+/-0.112 χ^2/NDF: 6258.5/56

In: -7.928+/-0.059 χ^2/NDF:6144.0/48

Out: -8.116+/-0.057 χ^2/NDF:5593.1/55

All: -8.024+/-0.041 χ^2/NDF: 11742.3/104

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.030+/-0.007 χ^2/NDF: 499.7/25

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

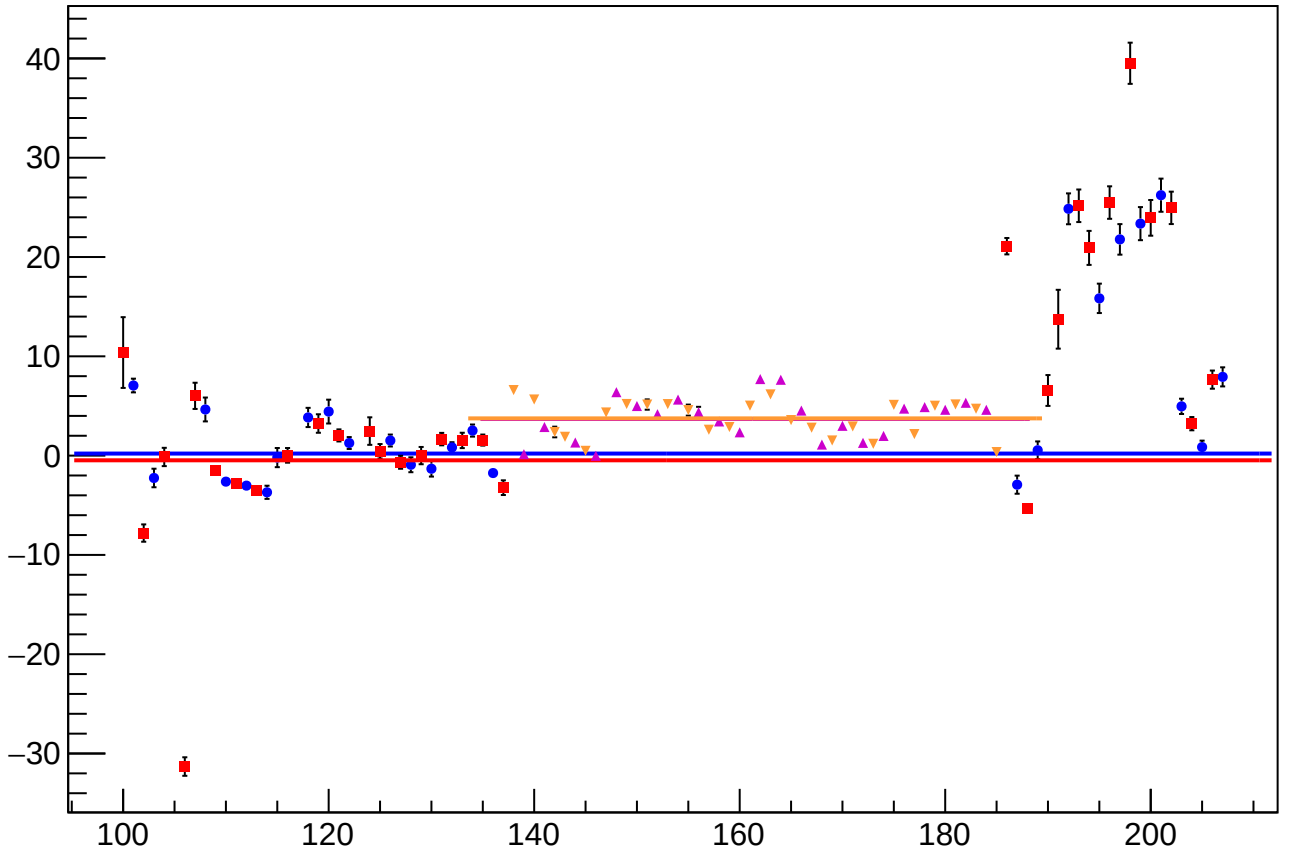
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.048+/-0.005 χ^2/NDF: 1386.6/56

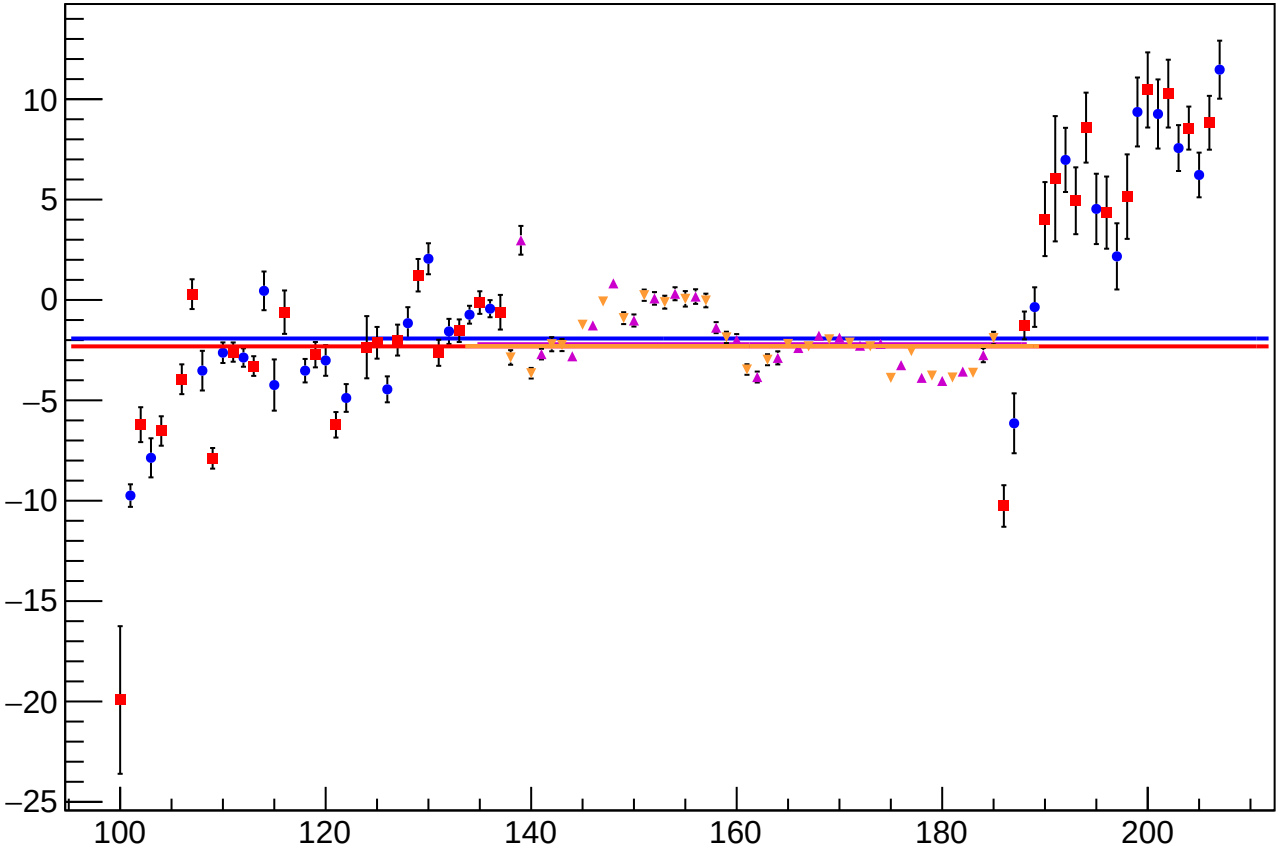
In: 0.139+/-0.003 χ^2/NDF:2308.9/48

Out: 0.146+/-0.003 χ^2/NDF:2714.1/55

All: 0.142+/-0.002 χ^2/NDF: 5027.1/104


reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 0.207+/-0.126 χ²/NDF: 1556.1/25
Left Out: 3.750+/-0.062 χ²/NDF:809.8/24
Right Out: -0.472+/-0.118 χ²/NDF: 3841.0/30
Left In: 3.688+/-0.064 χ²/NDF:953.3/22
Left: 3.720+/-0.044 χ²/NDF: 1763.6/47
Right: -0.156+/-0.086 χ²/NDF: 5412.7/56
In: 2.974+/-0.057 χ²/NDF:3118.3/48
Out: 2.833+/-0.055 χ²/NDF:5659.4/55
All: 2.900+/-0.040 χ²/NDF: 8780.9/104

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.920+/-0.147 χ^2/NDF: 694.2/25

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

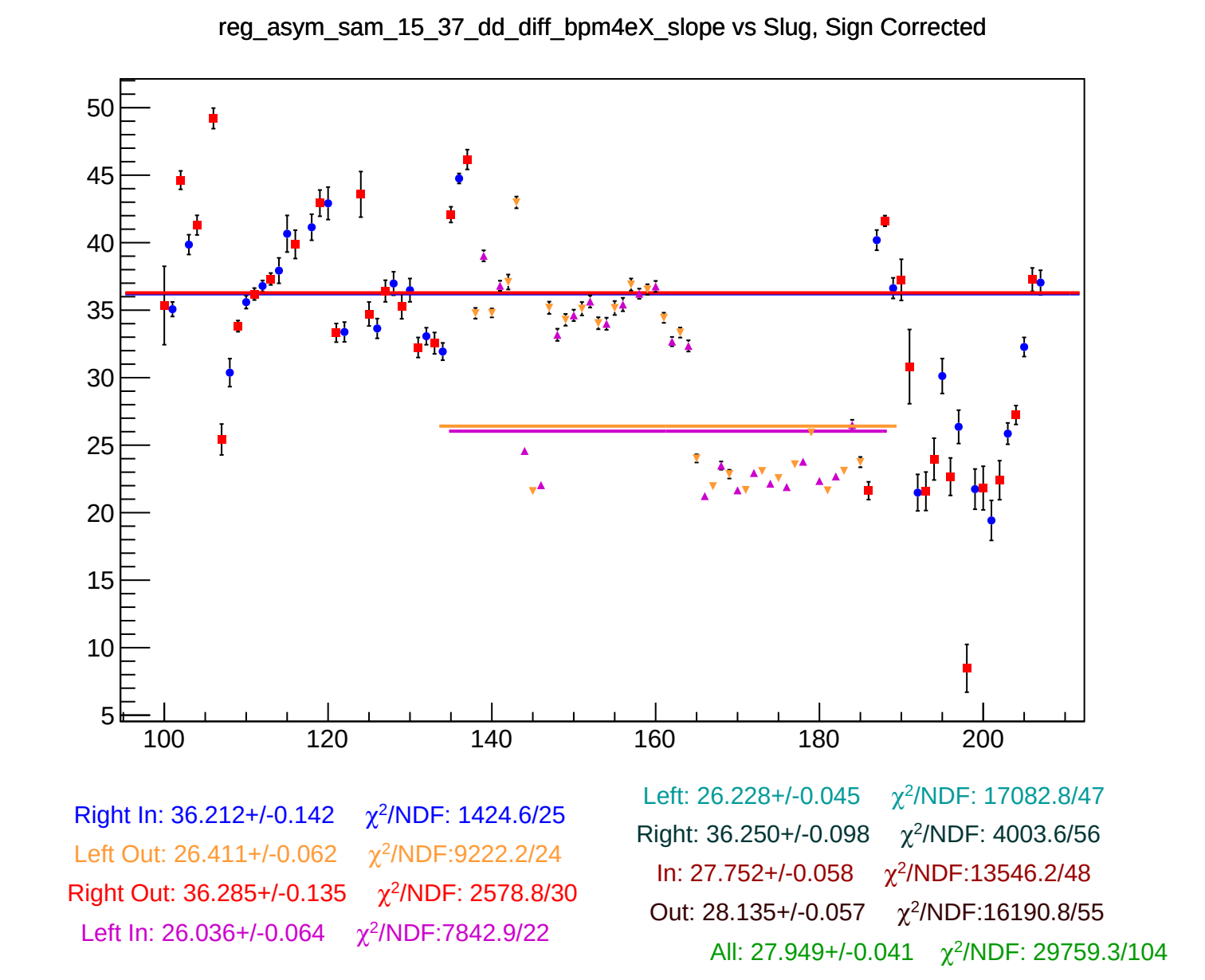
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.118+/-0.104 χ^2/NDF: 1433.2/56

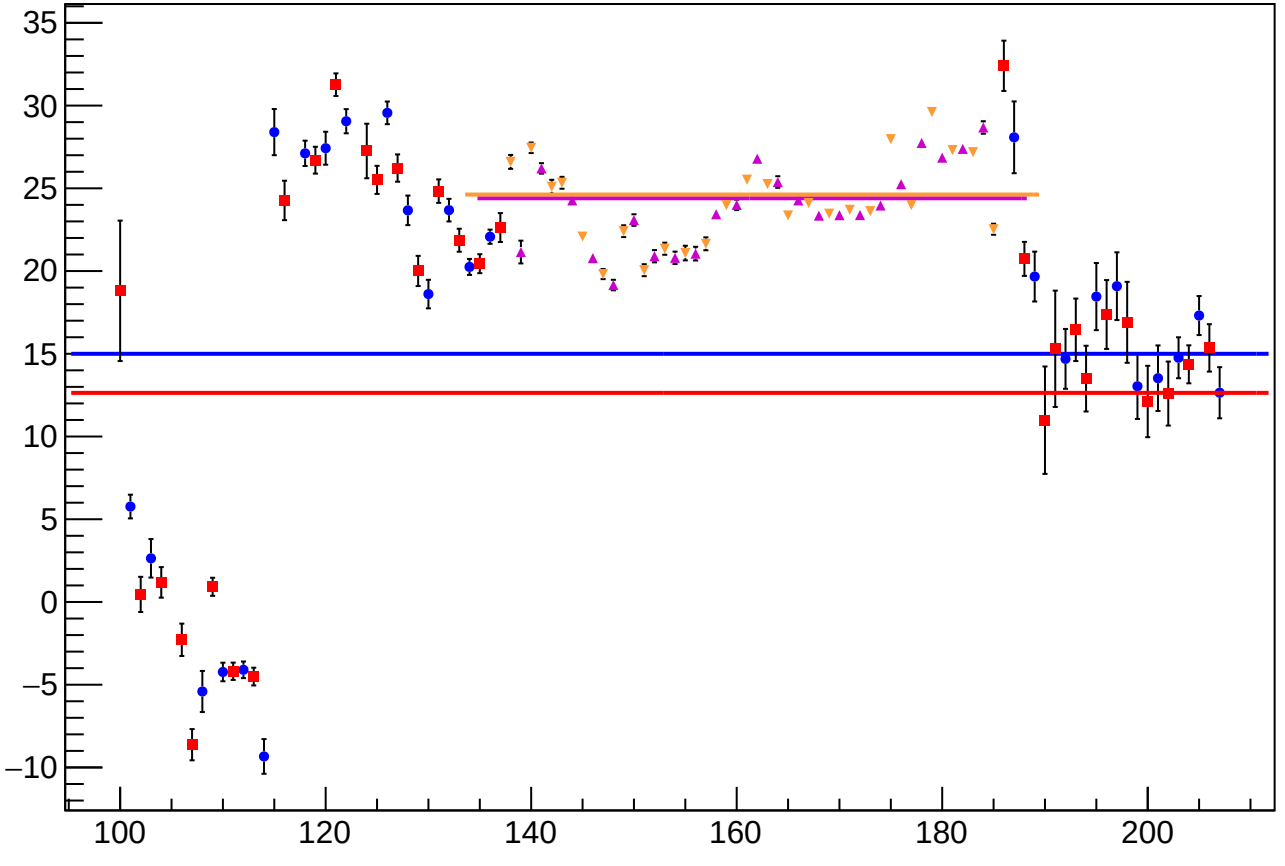
In: -2.174+/-0.048 χ^2/NDF:1422.3/48

Out: -2.296+/-0.047 χ^2/NDF:1366.8/55

All: -2.236+/-0.034 χ^2/NDF: 2792.4/104


reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
50
45
40
35
30
25
20
15
10
5
100
120
140
160
180
200
Right In: 36.212+/-0.142 χ2/NDF: 1424.6/25
Left Out: 26.411+/-0.062 χ2/NDF:9222.2/24
Right Out: 36.285+/-0.135 χ2/NDF: 2578.8/30
Left In: 26.036+/-0.064 χ2/NDF:7842.9/22
Left: 26.228+/-0.045 χ2/NDF: 17082.8/47
Right: 36.250+/-0.098 χ2/NDF: 4003.6/56
In: 27.752+/-0.058 χ2/NDF:13546.2/48
Out: 28.135+/-0.057 χ2/NDF:16190.8/55
All: 27.949+/-0.041 χ2/NDF: 29759.3/104

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.999+/-0.165 χ^2/NDF: 5748.1/25

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

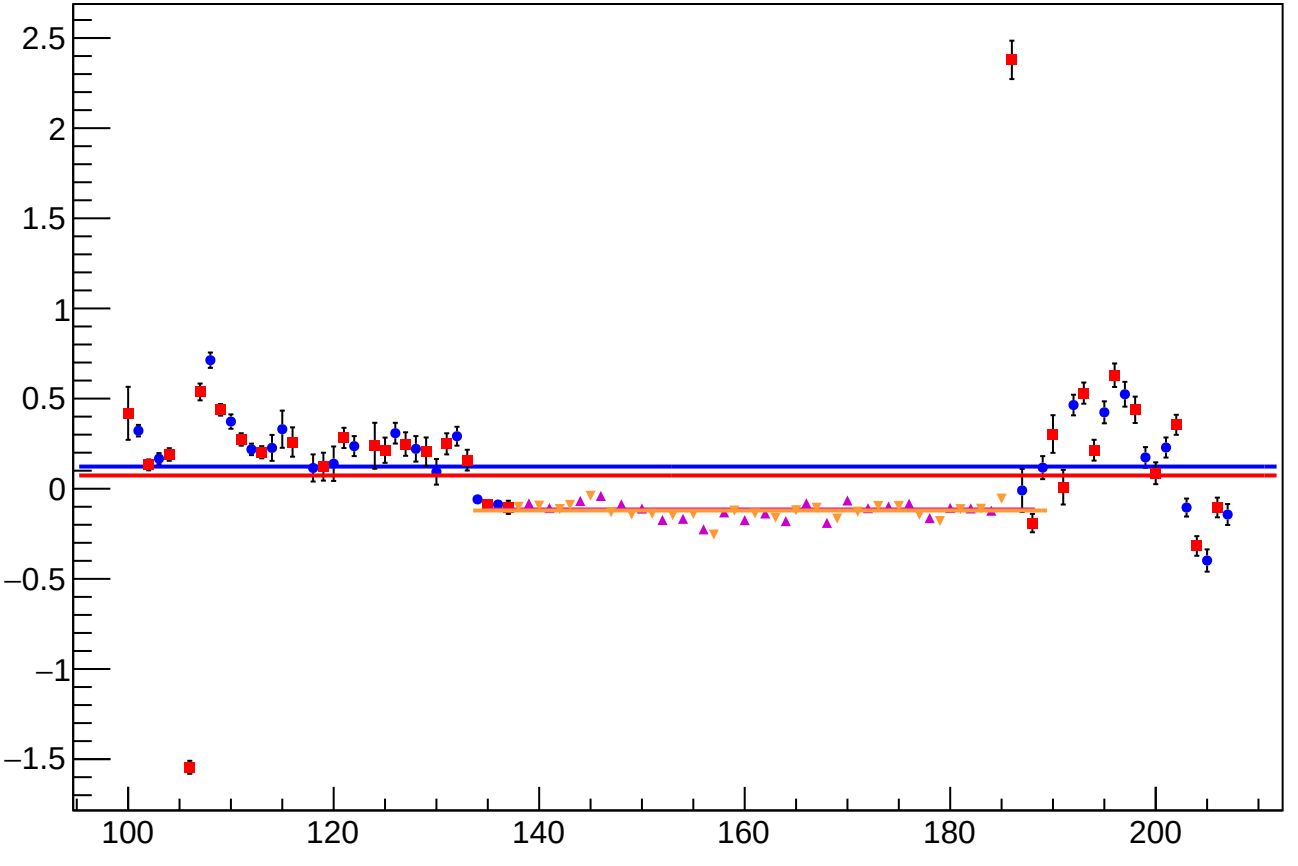
Right: 13.829+/-0.117 χ^2/NDF: 12220.5/56

In: 23.410+/-0.053 χ^2/NDF:10374.0/48

Out: 23.435+/-0.052 χ^2/NDF:13005.1/55

All: 23.423+/-0.037 χ^2/NDF: 23379.2/104

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.123+/-0.008 χ^2/NDF: 732.4/25

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

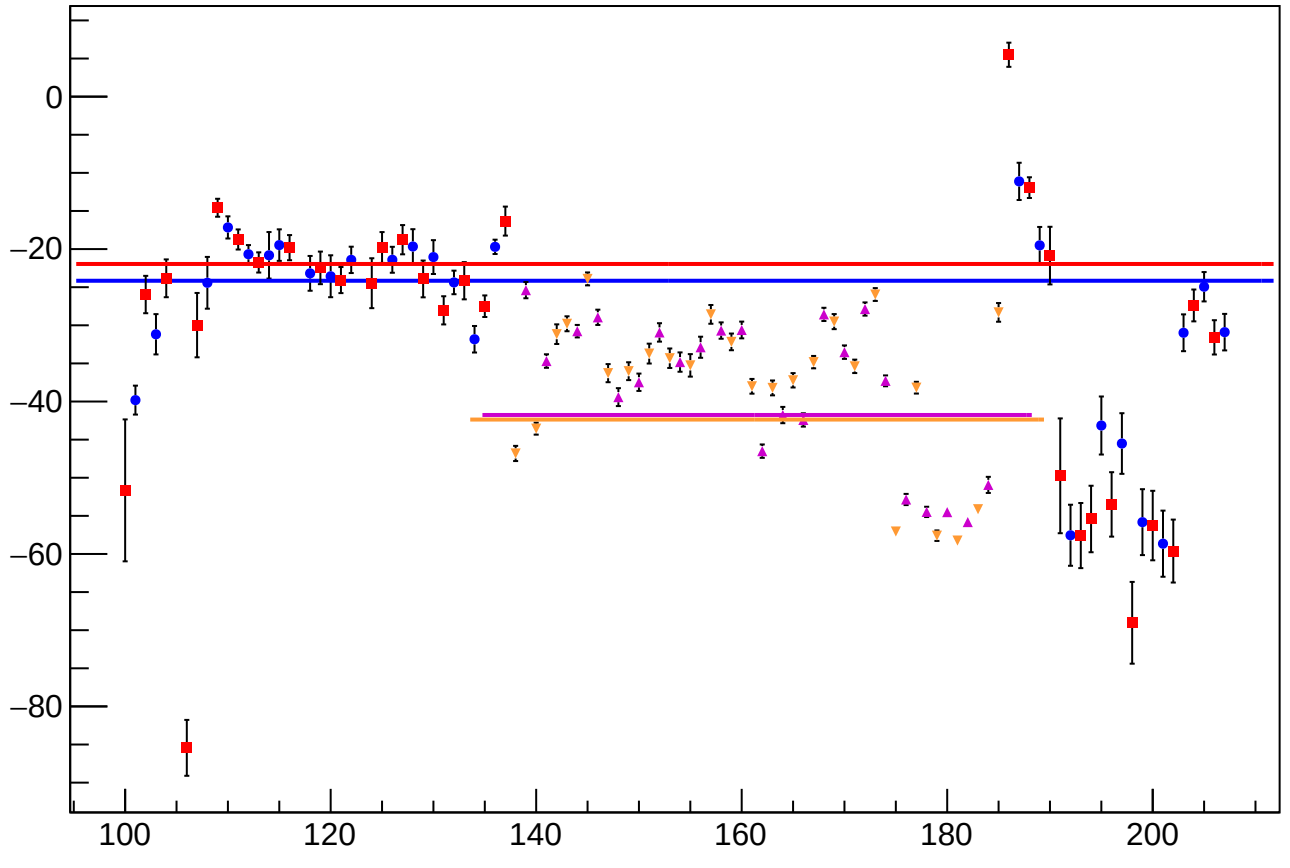
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.099+/-0.006 χ^2/NDF: 3930.5/56

In: -0.096+/-0.002 χ^2/NDF:1752.3/48

Out: -0.106+/-0.002 χ^2/NDF:3913.3/55

All: -0.101+/-0.002 χ^2/NDF: 5674.7/104



Right In: -24.155+/-0.391 χ^2/NDF: 454.4/25

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

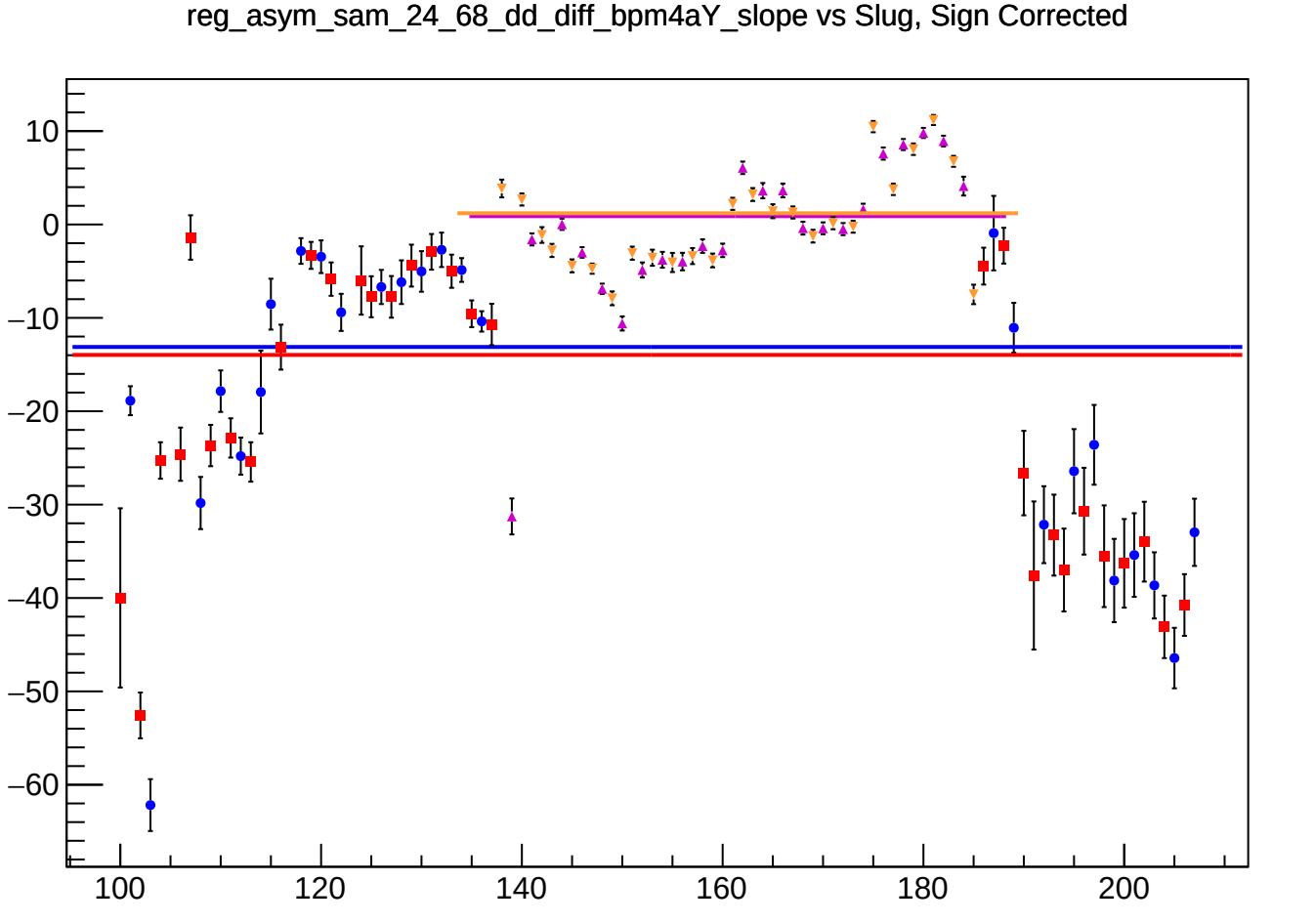
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

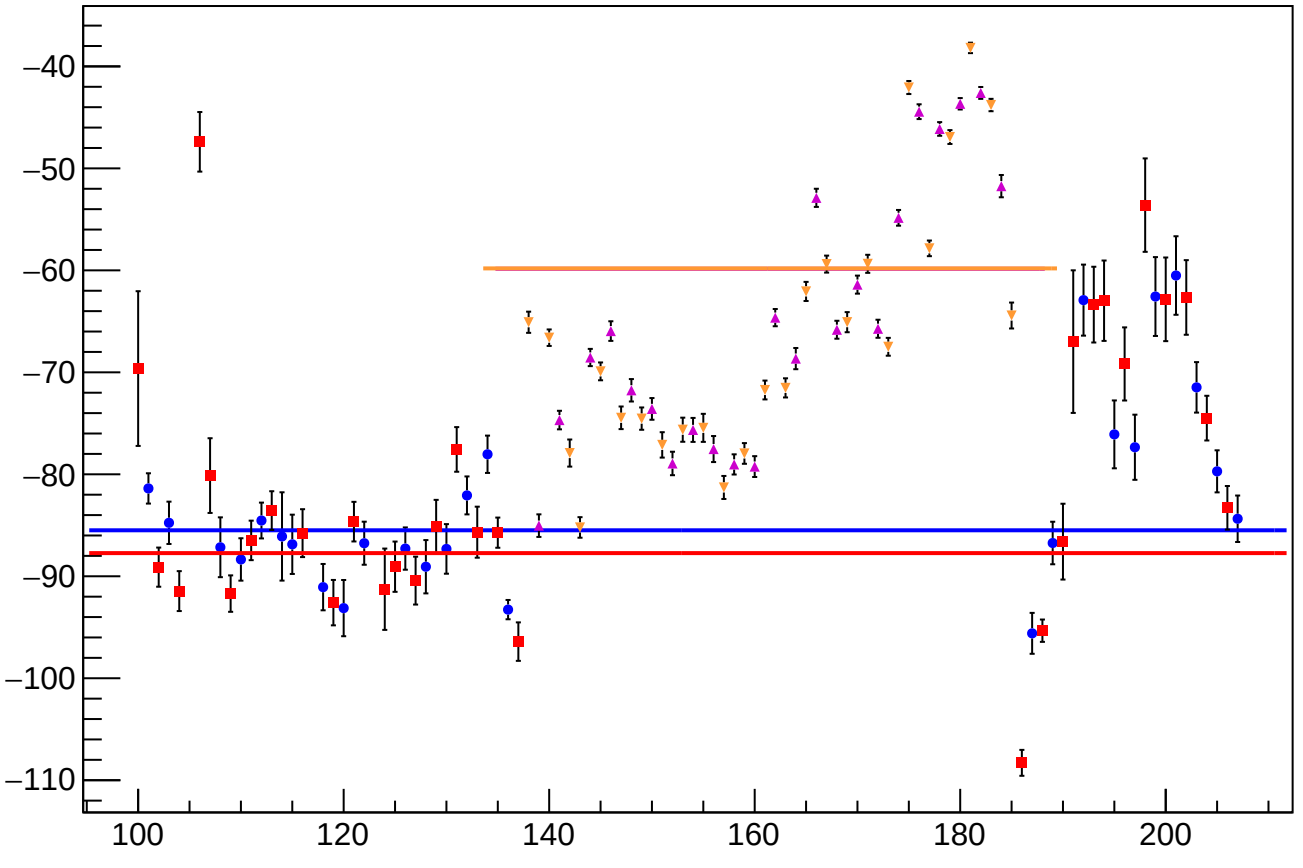
Right: -23.015+/-0.271 χ^2/NDF: 1670.8/56

In: -38.632+/-0.165 χ^2/NDF:5583.8/48

Out: -38.739+/-0.159 χ^2/NDF:8088.9/55

All: -38.687+/-0.114 χ^2/NDF: 13672.9/104


reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
10
0
−10
−20
−30
−40
−50
−60
100
120
140
160
180
200
Right In: -13.117+/-0.423 χ²/NDF: 900.0/25
Left Out: 1.203+/-0.138 χ²/NDF:1463.6/24
Right Out: -13.969+/-0.431 χ²/NDF: 919.3/30
Left In: 0.889+/-0.143 χ²/NDF:1763.7/22
Left: 1.051+/-0.099 χ²/NDF: 3229.8/47
Right: -13.535+/-0.302 χ²/NDF: 1821.3/56
In: -0.545+/-0.135 χ²/NDF:3647.1/48
Out: -0.209+/-0.132 χ²/NDF:3505.7/55
All: -0.372+/-0.094 χ²/NDF: 7156.0/104



Right In: -85.491+/-0.415 χ^2/NDF: 314.8/25

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

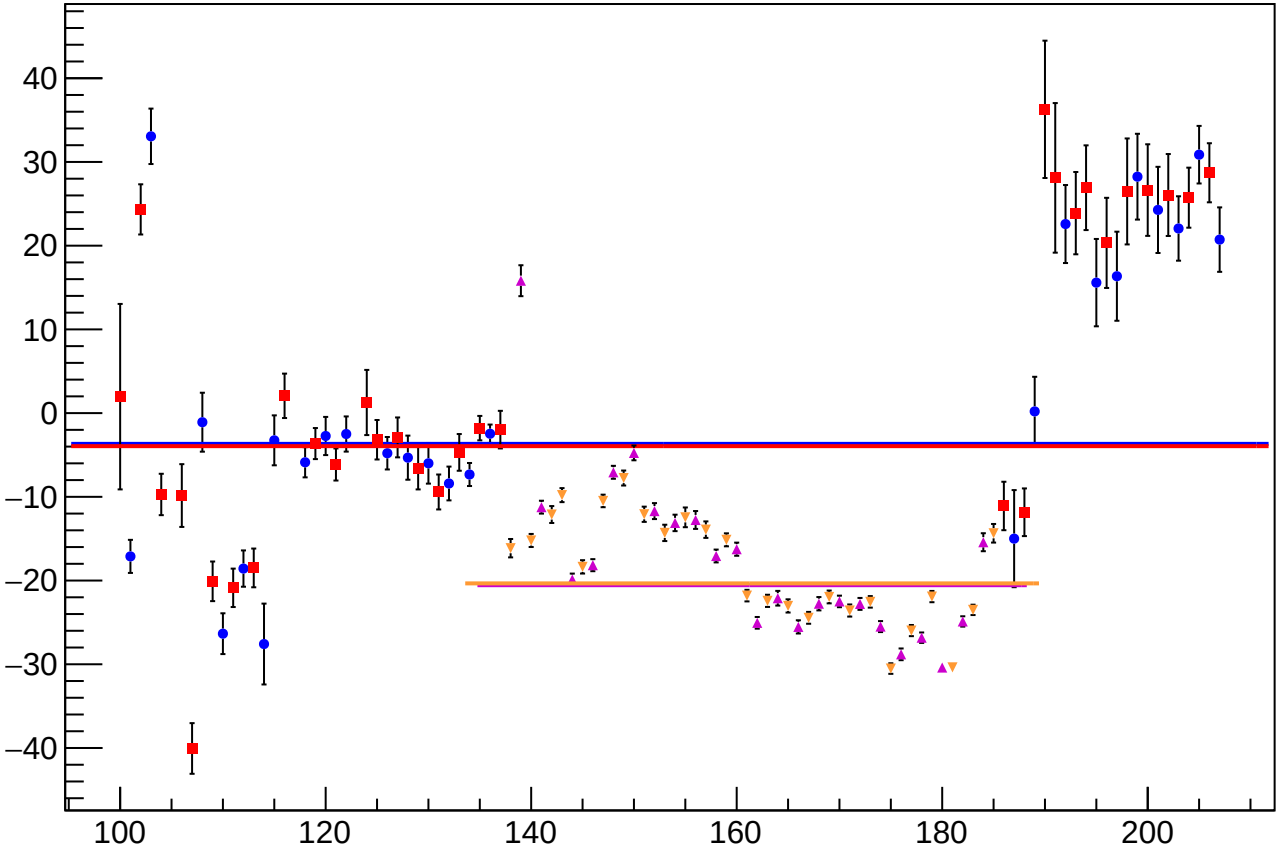
Right: -86.653+/-0.288 χ^2/NDF: 1209.8/56

In: -63.946+/-0.166 χ^2/NDF:9055.8/48

Out: -64.323+/-0.161 χ^2/NDF:11625.8/55

All: -64.141+/-0.115 χ^2/NDF: 20684.3/104

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -3.674+/-0.478 χ^2/NDF: 664.0/25

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

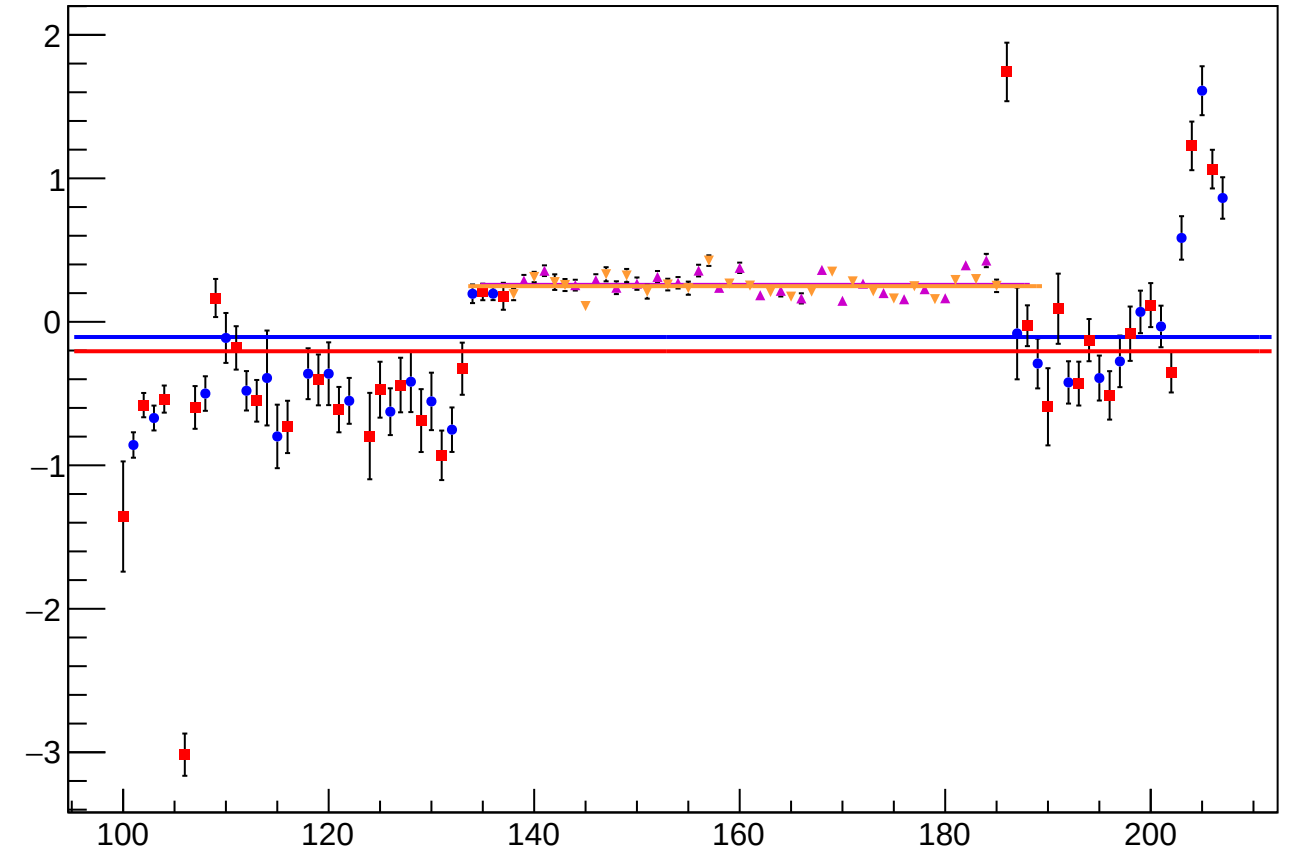
Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

Right: -3.805+/-0.344 χ^2/NDF: 1450.3/56

In: -18.862+/-0.151 χ^2/NDF:3980.4/48

Out: -18.892+/-0.148 χ^2/NDF:3479.6/55

All: -18.877+/-0.106 χ^2/NDF: 7460.1/104



Right In: -0.106+/-0.024 χ^2/NDF: 434.5/25

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

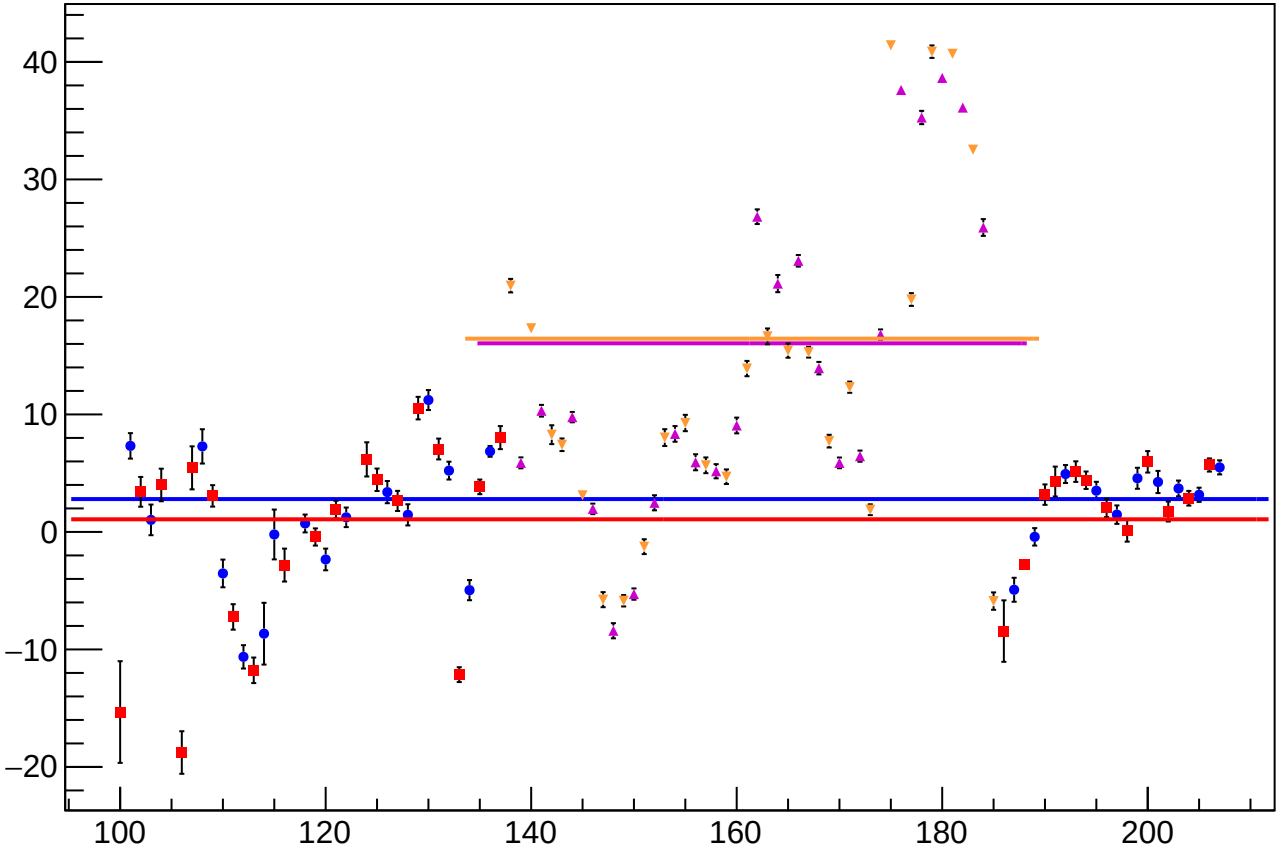
Right: -0.153+/-0.017 χ^2/NDF: 1251.6/56

In: 0.228+/-0.007 χ^2/NDF:784.0/48

Out: 0.216+/-0.007 χ^2/NDF:1208.1/55

All: 0.222+/-0.005 χ^2/NDF: 1993.6/104

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.796+/-0.162 χ^2/NDF: 690.1/25

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

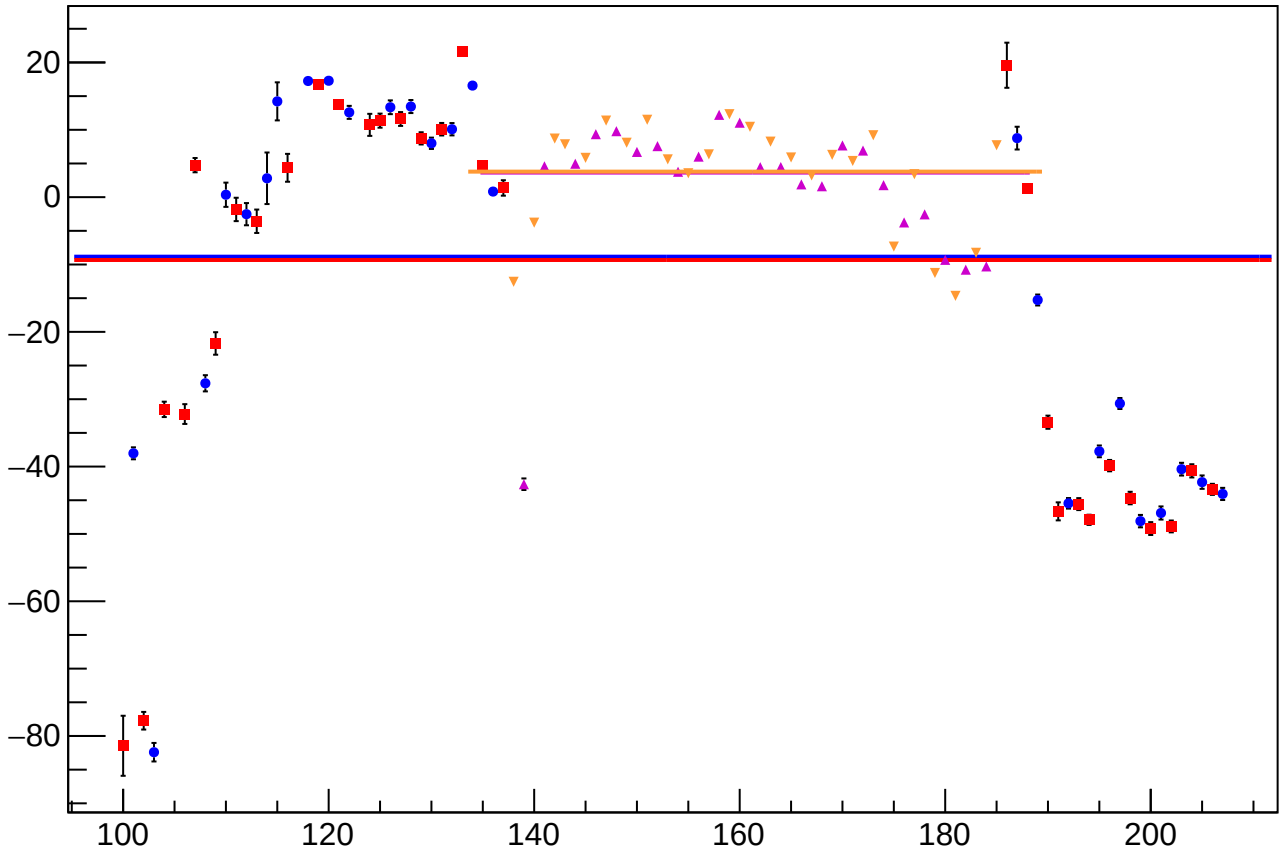
Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

Right: 1.875+/-0.111 χ^2/NDF: 2069.2/56

In: 12.029+/-0.089 χ^2/NDF:22951.8/48

Out: 11.516+/-0.086 χ^2/NDF:29729.4/55

All: 11.761+/-0.062 χ^2/NDF: 52698.2/104



Right In: -8.837+/-0.170 χ^2/NDF: 25032.3/25

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

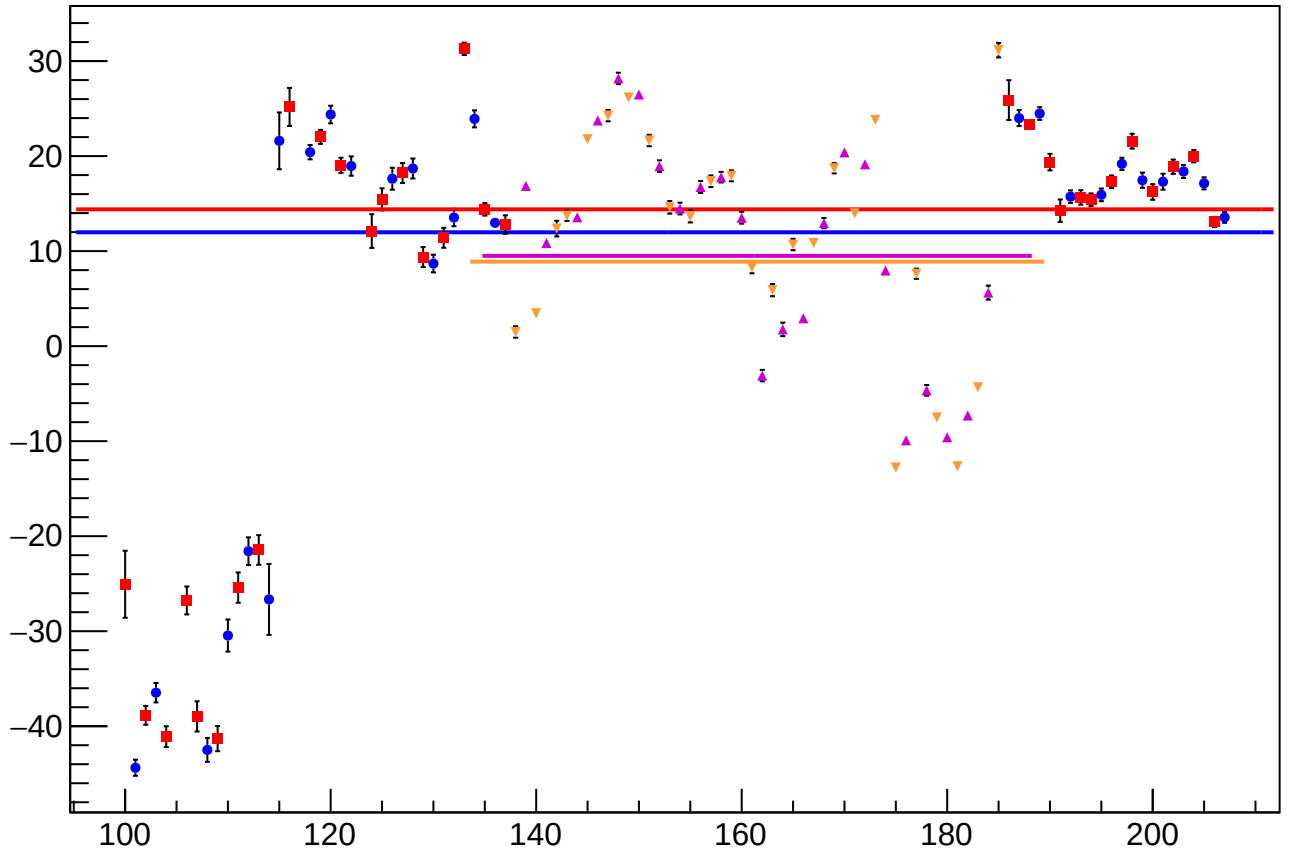
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -9.095+/-0.117 χ^2/NDF: 55210.4/56

In: 1.247+/-0.075 χ^2/NDF:37699.5/48

Out: 1.195+/-0.072 χ^2/NDF:44581.2/55

All: 1.220+/-0.052 χ^2/NDF: 82280.9/104



Right In: 11.980+/-0.160 χ^2/NDF: 11411.3/25

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

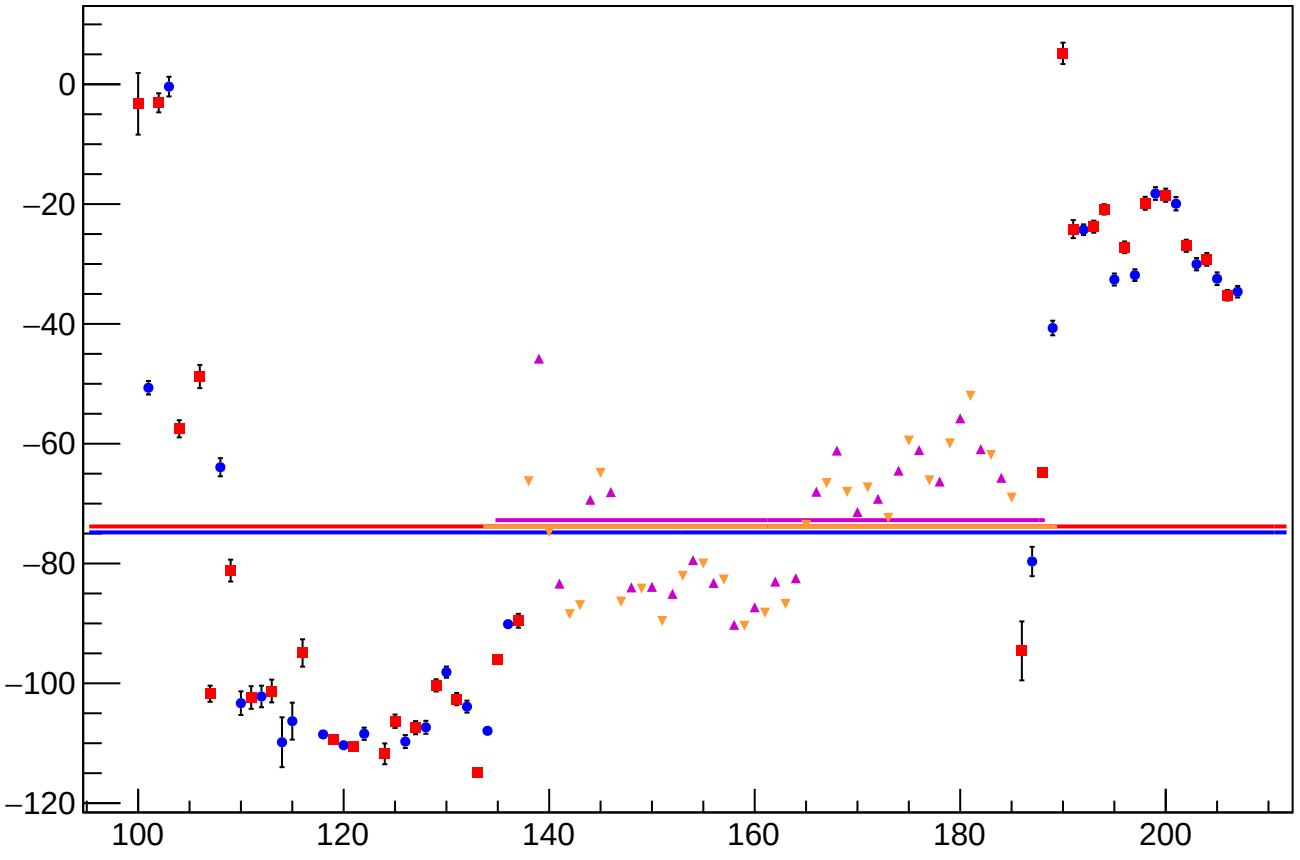
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.305+/-0.108 χ^2/NDF: 23999.2/56

In: 10.261+/-0.089 χ^2/NDF:24618.5/48

Out: 10.750+/-0.084 χ^2/NDF:28841.8/55

All: 10.517+/-0.061 χ^2/NDF: 53476.3/104



Right In: -74.808+/-0.197 χ^2/NDF: 34197.1/25

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

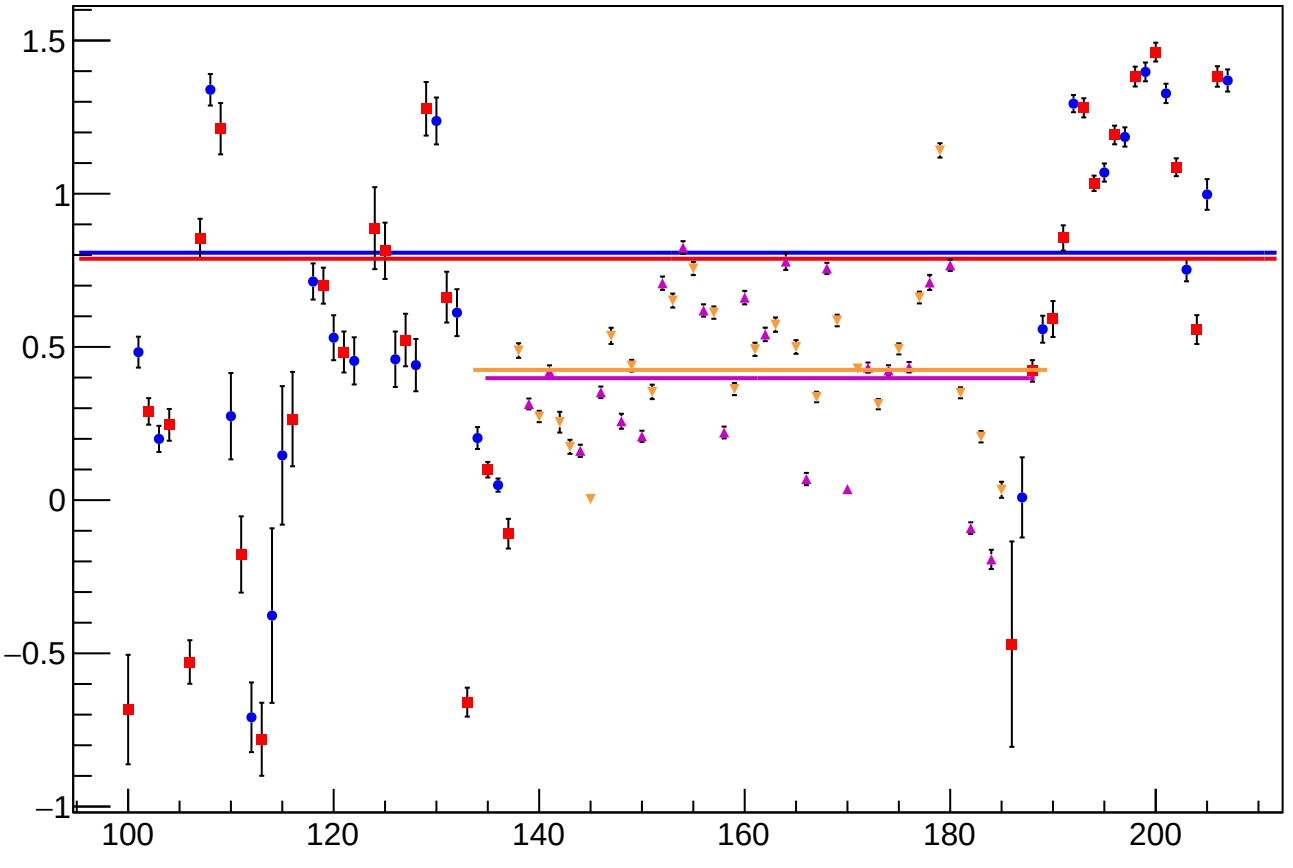
Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

Right: -74.292+/-0.136 χ^2/NDF: 76152.5/56

In: -73.139+/-0.084 χ^2/NDF:46897.8/48

Out: -73.890+/-0.082 χ^2/NDF:57509.5/55

All: -73.526+/-0.059 χ^2/NDF: 104448.2/104



Right In: 0.807+/-0.009 χ^2/NDF: 3699.5/25

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

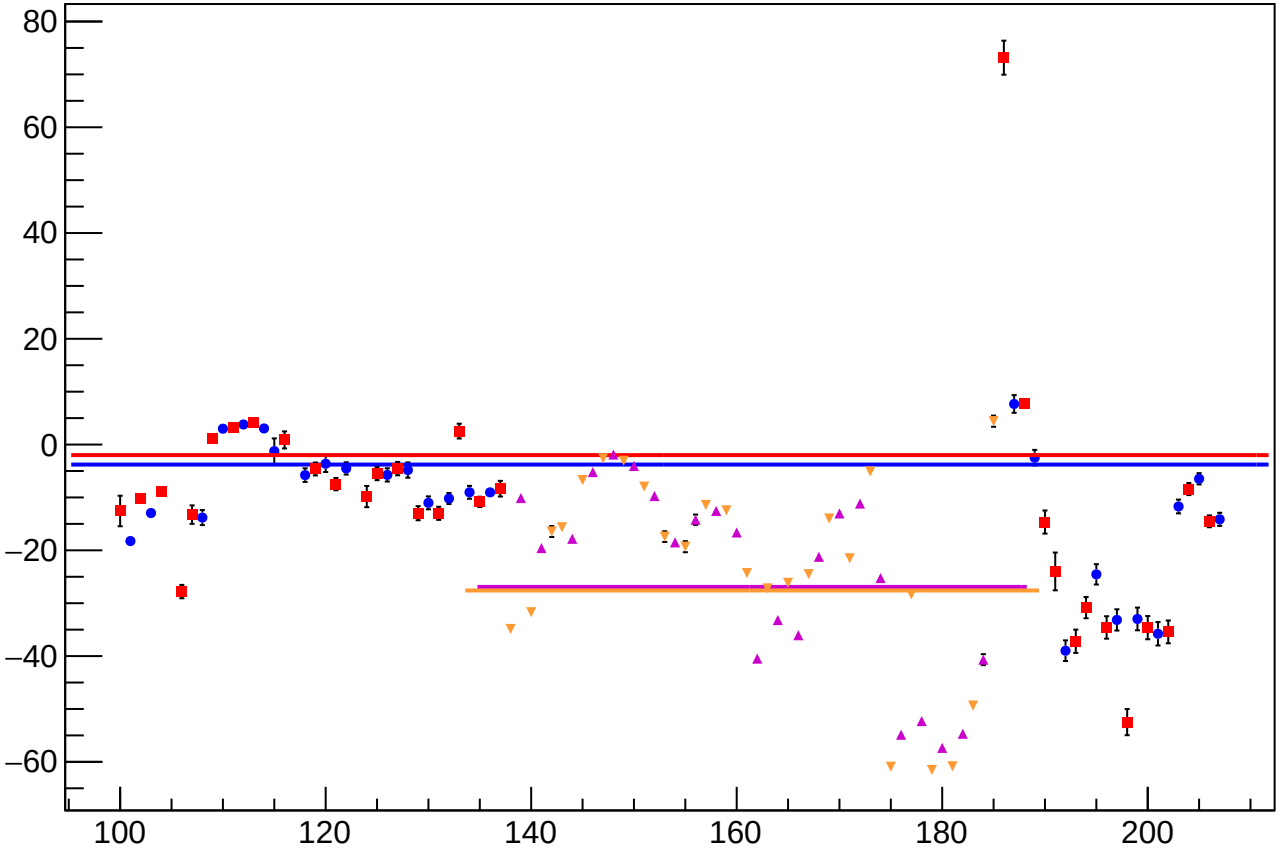
Right: 0.797+/-0.006 χ^2/NDF: 8626.1/56

In: 0.475+/-0.004 χ^2/NDF:9819.7/48

Out: 0.497+/-0.004 χ^2/NDF:9554.1/55

All: 0.486+/-0.003 χ^2/NDF: 19392.3/104

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.783+/-0.179 χ^2/NDF: 2770.7/25

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

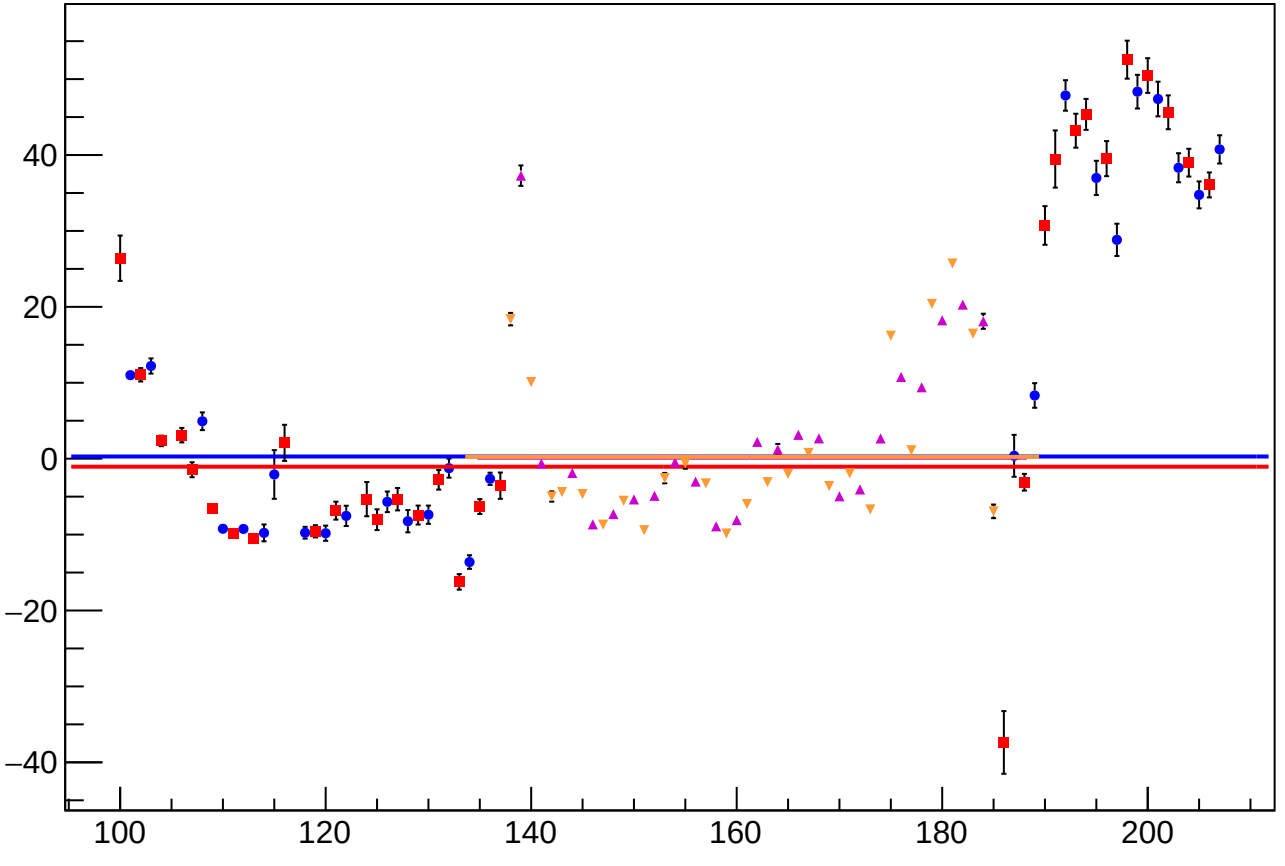
Right: -2.787+/-0.119 χ^2/NDF: 6847.7/56

In: -17.422+/-0.115 χ^2/NDF:28174.7/48

Out: -16.067+/-0.107 χ^2/NDF:37952.9/55

All: -16.698+/-0.078 χ^2/NDF: 66202.4/104

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.285+/-0.213 χ^2/NDF: 4923.8/25

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

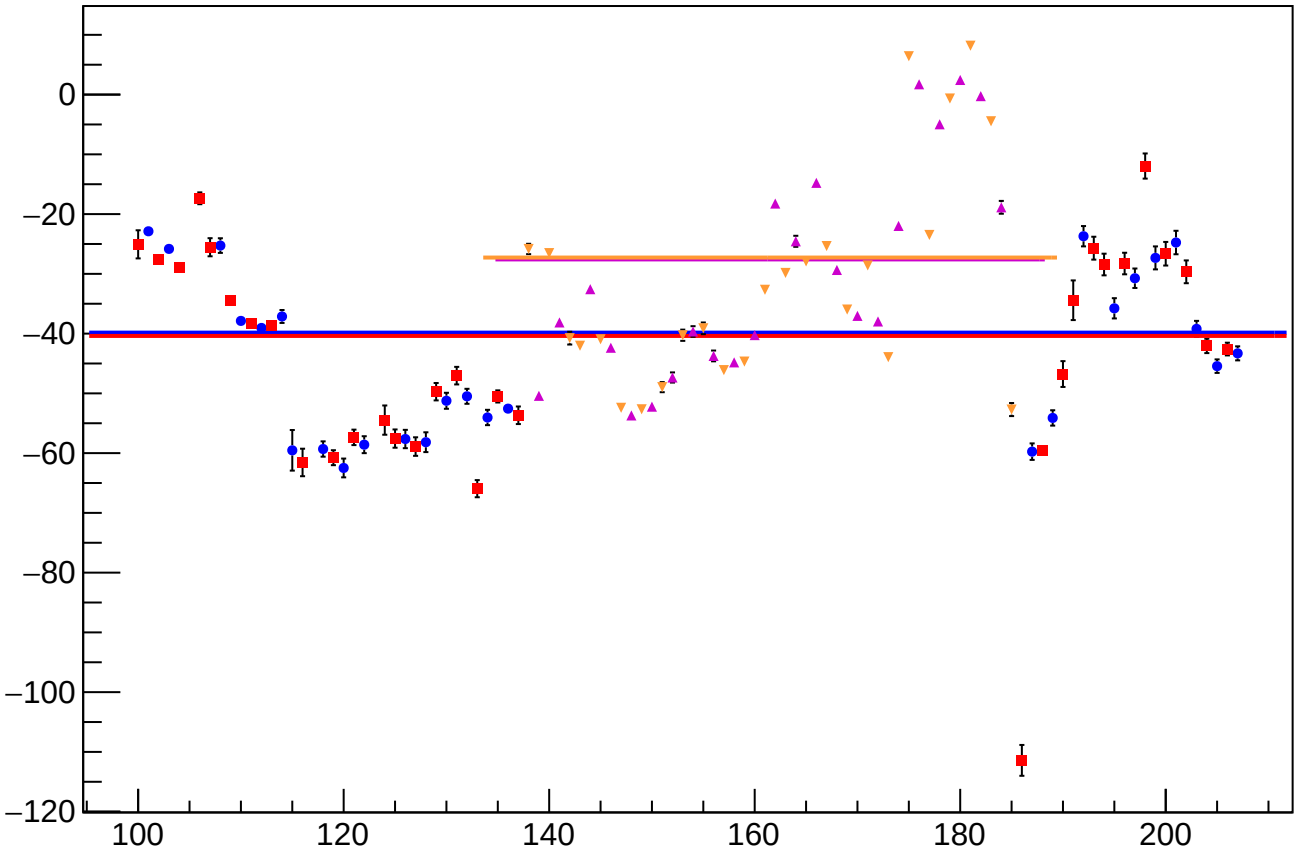
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -0.412+/-0.148 χ^2/NDF: 10234.0/56

In: 0.166+/-0.101 χ^2/NDF:10761.6/48

Out: -0.053+/-0.097 χ^2/NDF:13356.3/55

All: 0.052+/-0.070 χ^2/NDF: 24120.3/104



Right In: -39.834+/-0.202 χ^2/NDF: 3554.8/25

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

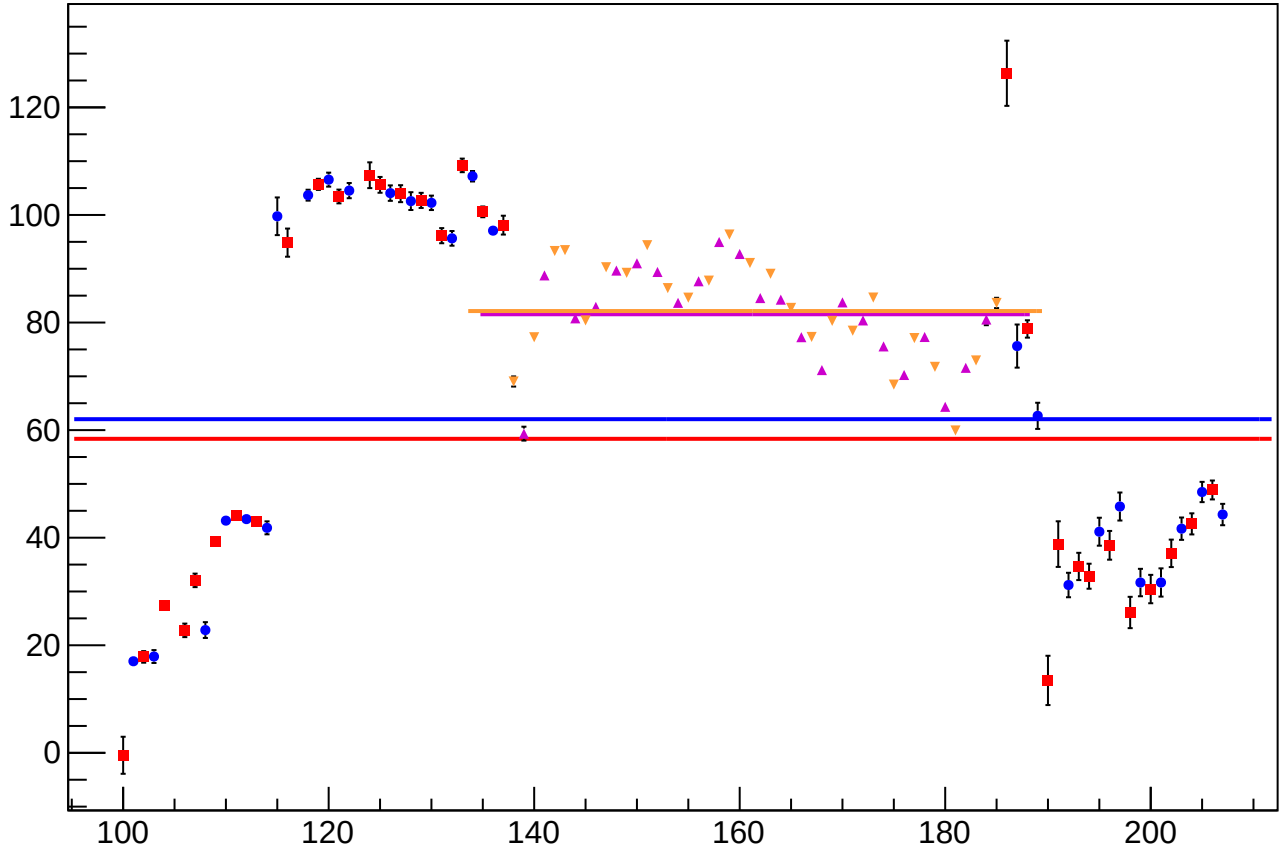
Right: -40.132+/-0.138 χ^2/NDF: 8534.5/56

In: -31.866+/-0.120 χ^2/NDF:21592.4/48

Out: -32.126+/-0.114 χ^2/NDF:26578.5/55

All: -32.002+/-0.083 χ^2/NDF: 48173.3/104

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.034+/-0.243 χ^2/NDF: 19468.9/25

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

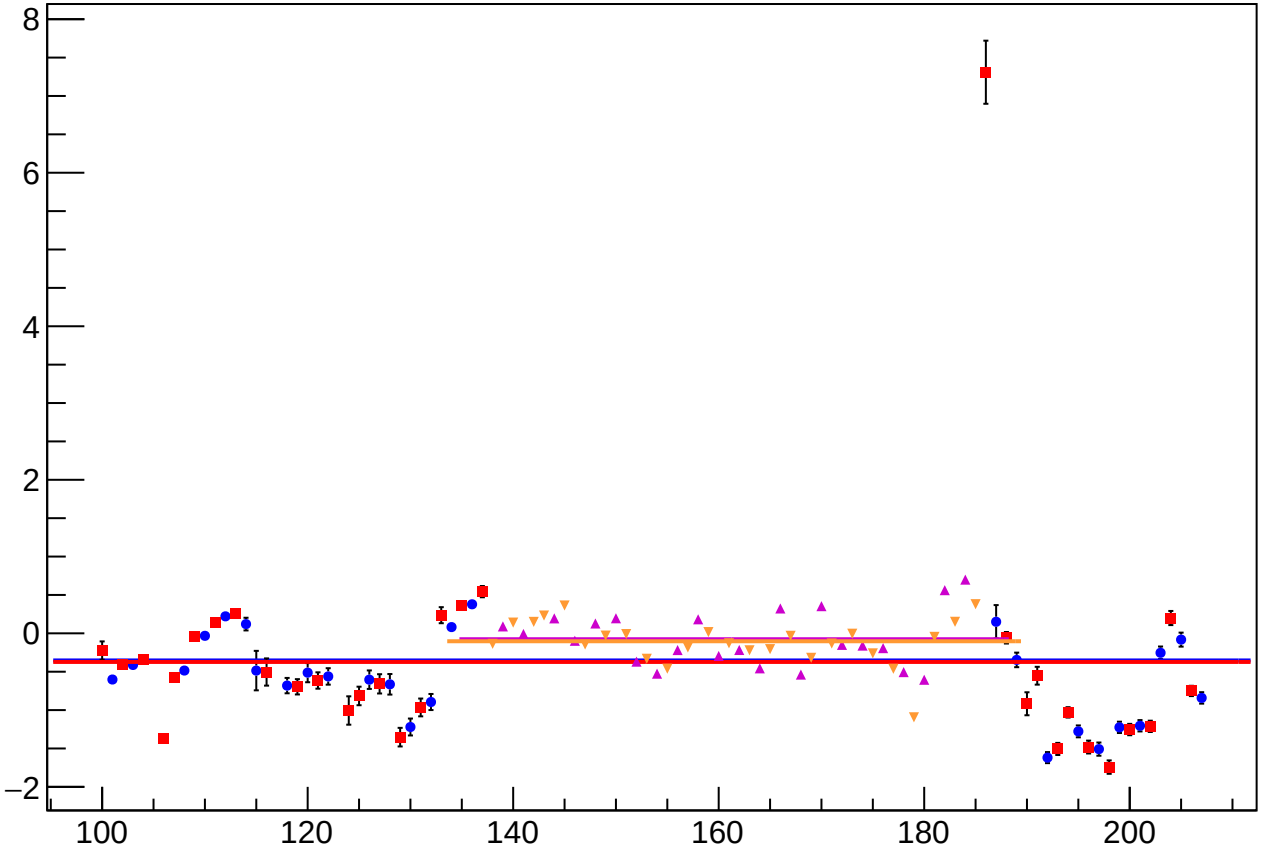
Right: 60.140+/-0.169 χ^2/NDF: 38114.9/56

In: 77.267+/-0.114 χ^2/NDF:28523.3/48

Out: 76.900+/-0.110 χ^2/NDF:31891.8/55

All: 77.077+/-0.079 χ^2/NDF: 60420.5/104

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.353+/-0.012 χ^2/NDF: 2027.2/25

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

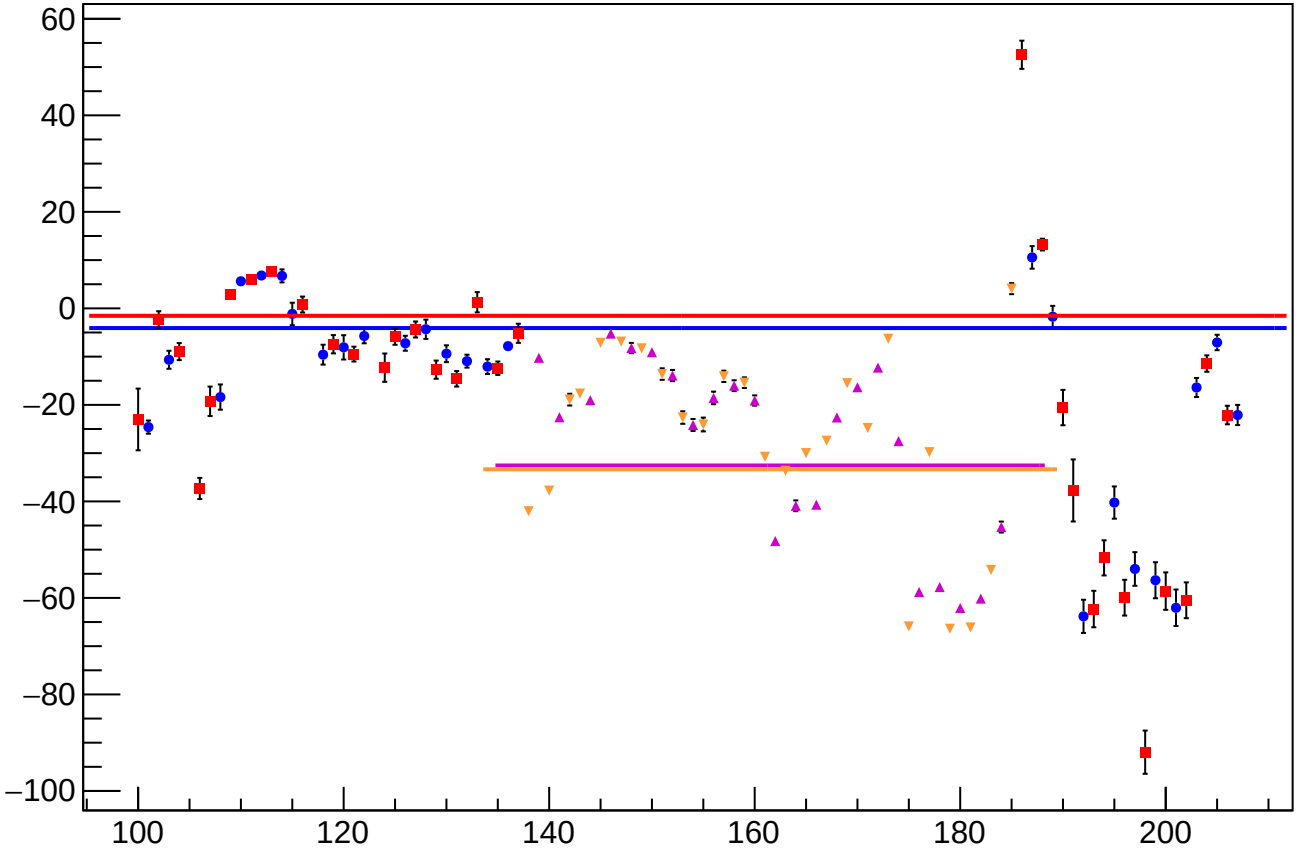
Right: -0.363+/-0.008 χ^2/NDF: 4991.1/56

In: -0.129+/-0.005 χ^2/NDF:5782.0/48

Out: -0.155+/-0.005 χ^2/NDF:5817.6/55

All: -0.142+/-0.004 χ^2/NDF: 11613.4/104

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -4.082+/-0.286 χ^2/NDF: 2173.9/25

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

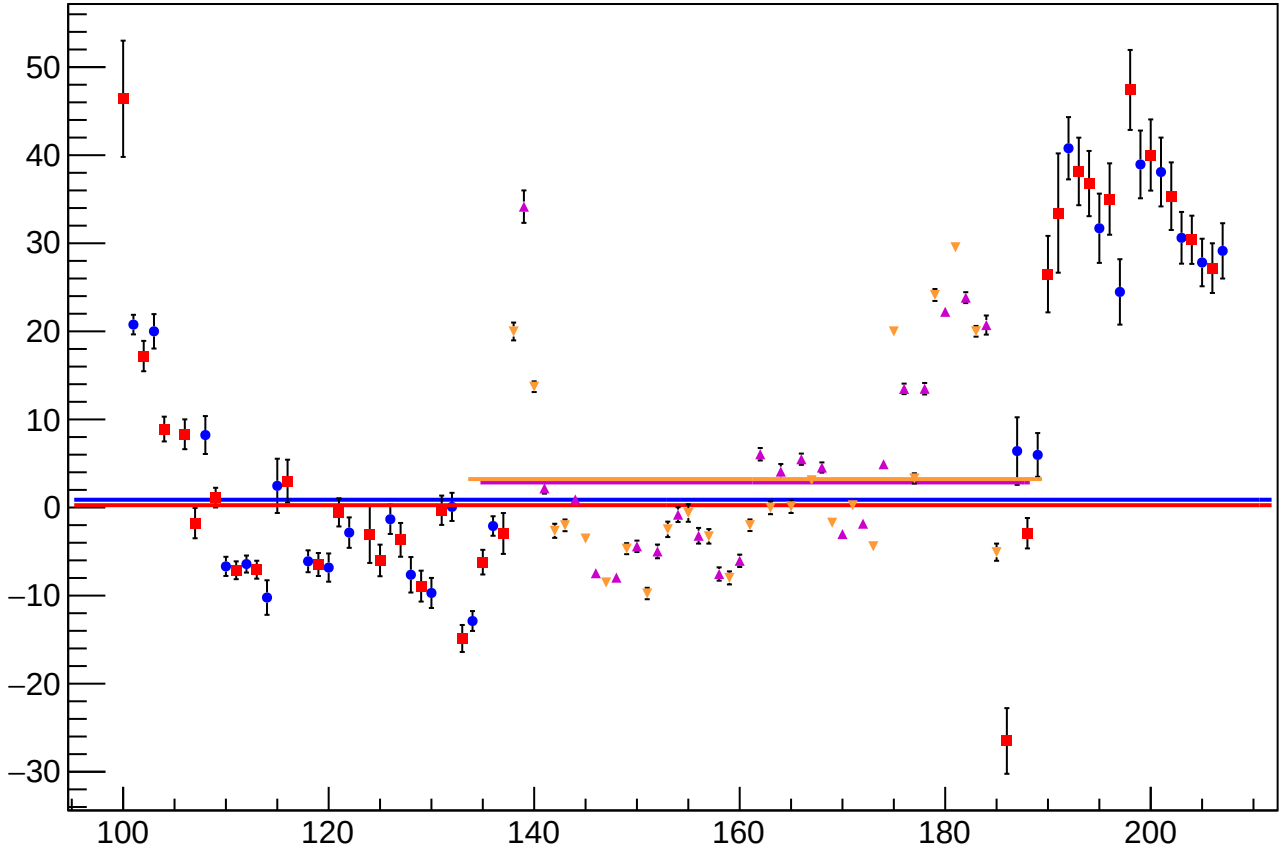
Right: -2.700+/-0.194 χ^2/NDF: 5450.2/56

In: -25.176+/-0.146 χ^2/NDF:23394.0/48

Out: -24.376+/-0.139 χ^2/NDF:31753.8/55

All: -24.758+/-0.101 χ^2/NDF: 55163.5/104

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.883+/-0.337 χ^2/NDF: 1547.2/25

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

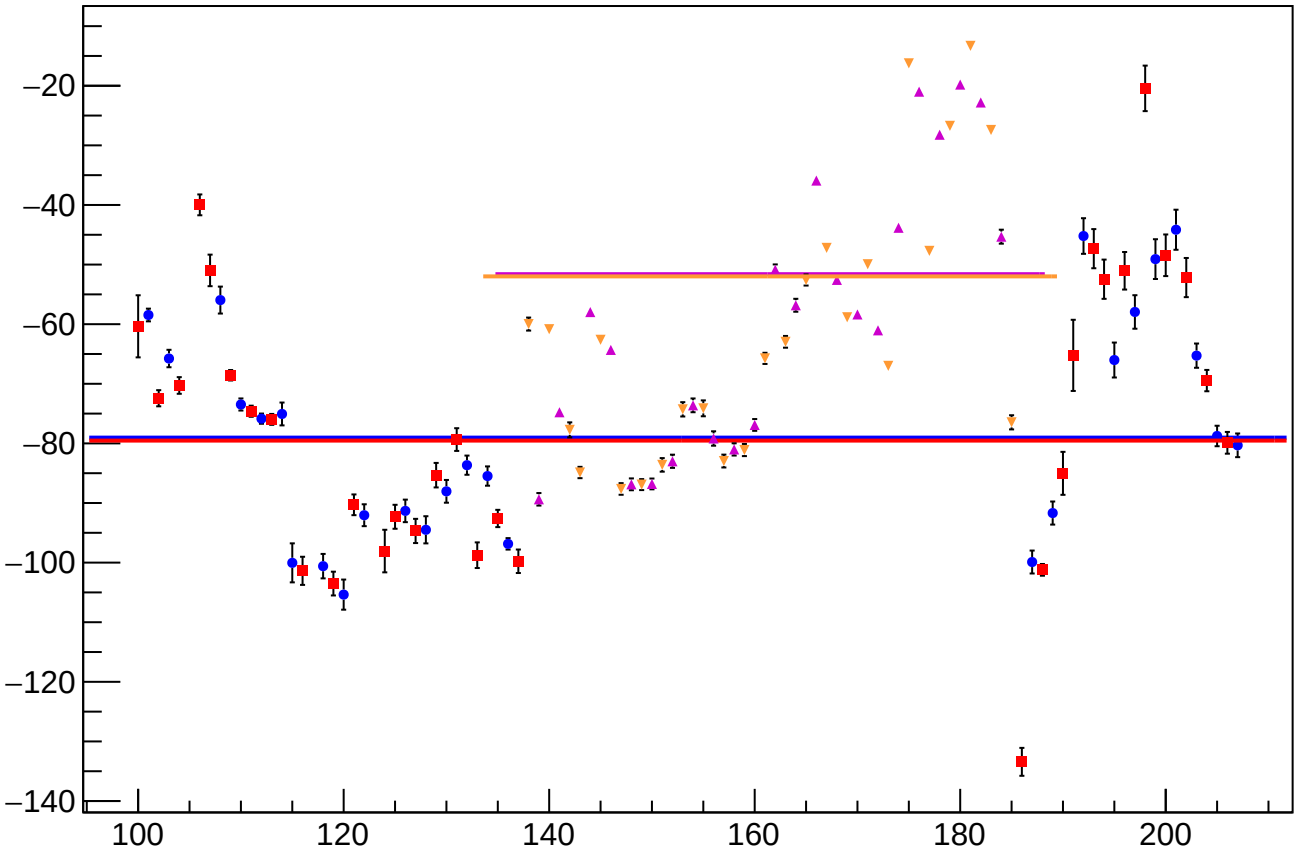
Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

Right: 0.569+/-0.237 χ^2/NDF: 2939.5/56

In: 2.587+/-0.122 χ^2/NDF:7032.1/48

Out: 2.841+/-0.120 χ^2/NDF:9135.4/55

All: 2.717+/-0.085 χ^2/NDF: 16169.7/104



Right In: -79.031+/-0.326 χ^2/NDF: 1994.3/25

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

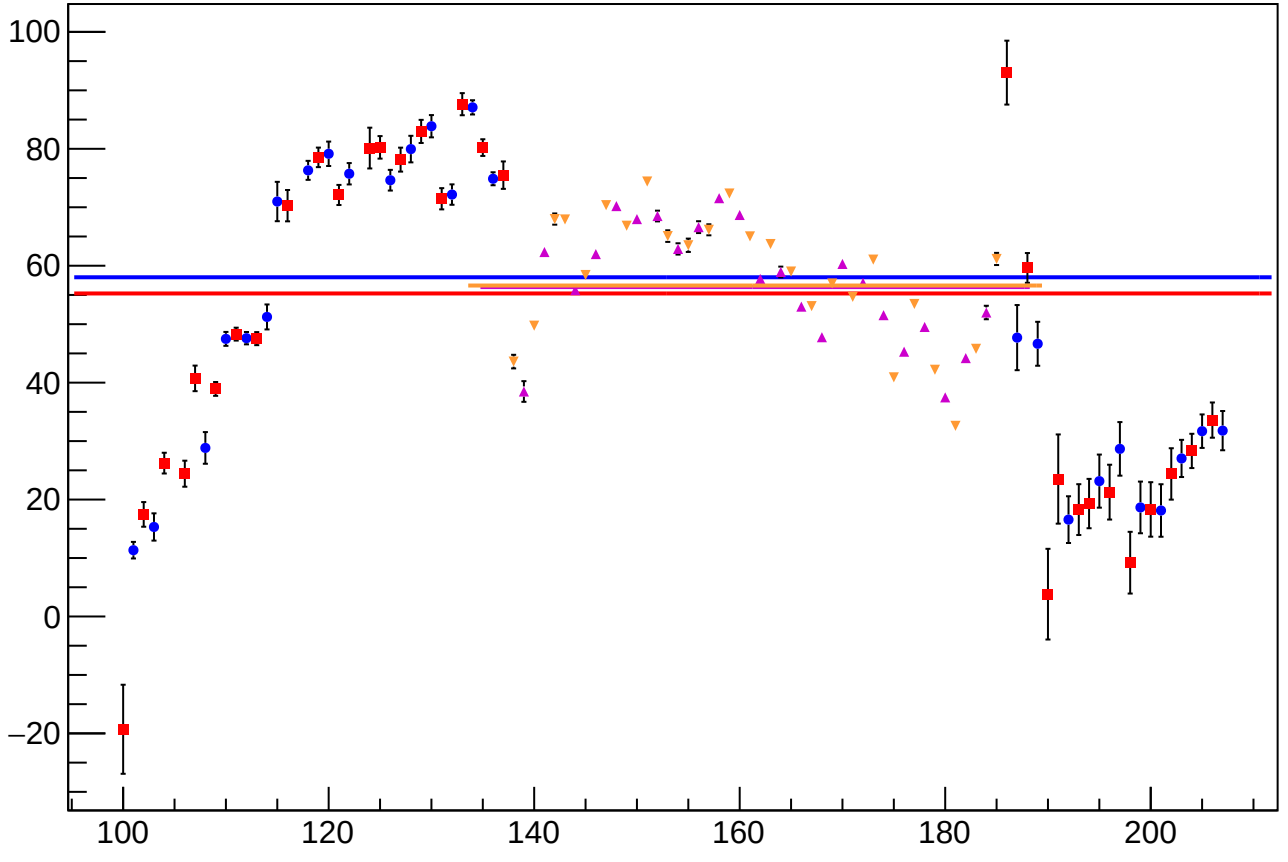
Right: -79.292+/-0.224 χ^2/NDF: 5263.4/56

In: -57.436+/-0.150 χ^2/NDF:25204.9/48

Out: -58.079+/-0.145 χ^2/NDF:30338.5/55

All: -57.768+/-0.104 χ^2/NDF: 55552.9/104

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 58.025+/-0.381 χ^2/NDF: 3908.5/25

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

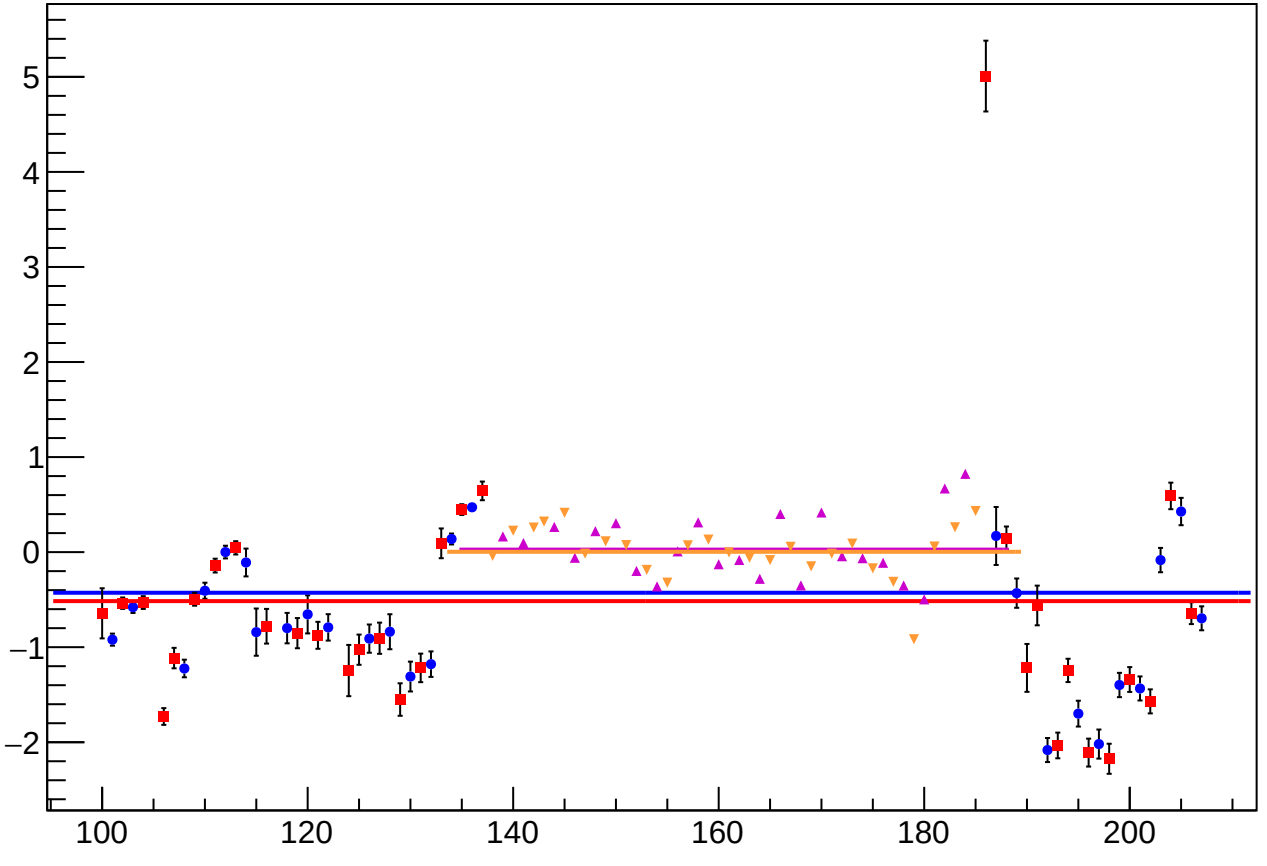
Right: 56.632+/-0.268 χ^2/NDF: 7382.6/56

In: 56.566+/-0.137 χ^2/NDF:7894.0/48

Out: 56.441+/-0.134 χ^2/NDF:9124.9/55

All: 56.502+/-0.096 χ^2/NDF: 17019.3/104

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.427+/-0.019 χ^2/NDF: 1312.3/25

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

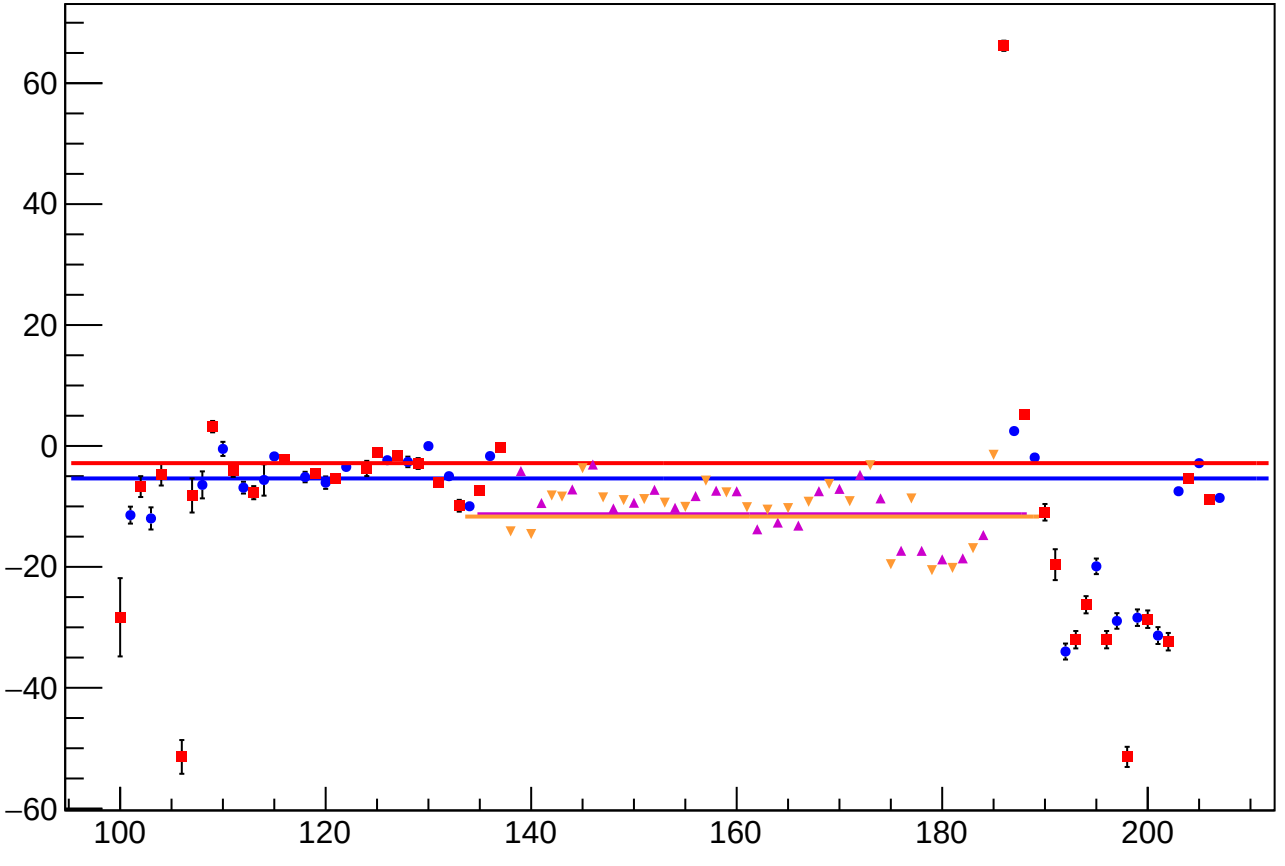
Right: -0.471+/-0.014 χ^2/NDF: 2995.1/56

In: -0.020+/-0.006 χ^2/NDF:4149.4/48

Out: -0.048+/-0.006 χ^2/NDF:4016.8/55

All: -0.035+/-0.004 χ^2/NDF: 8176.2/104

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -5.373+/-0.157 χ^2/NDF: 2039.8/25

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

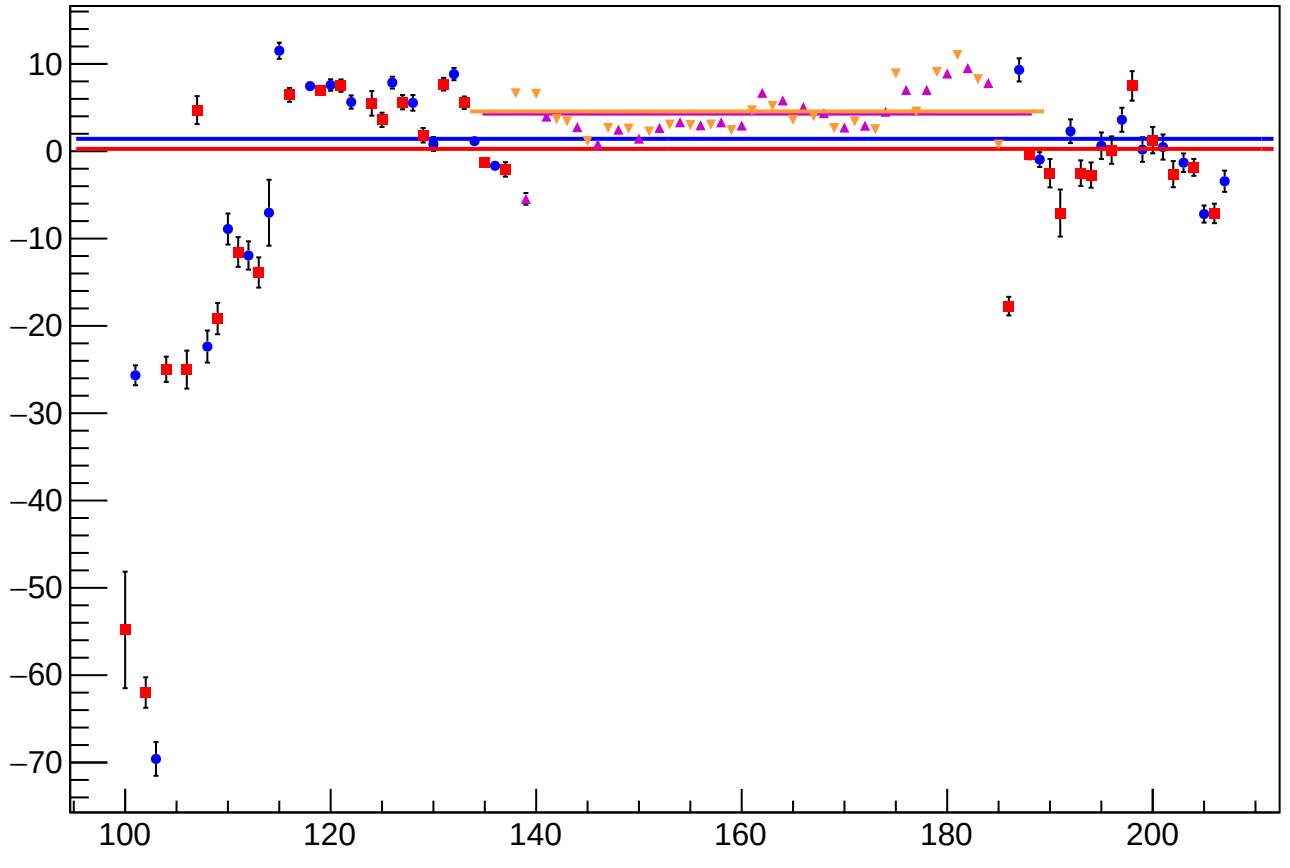
Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

Right: -4.117+/-0.111 χ^2/NDF: 12666.2/56

In: -10.674+/-0.051 χ^2/NDF:12544.0/48

Out: -10.797+/-0.050 χ^2/NDF:25914.8/55

All: -10.737+/-0.036 χ^2/NDF: 38461.8/104



Right In: 1.423+/-0.169 χ^2/NDF: 2992.0/25

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

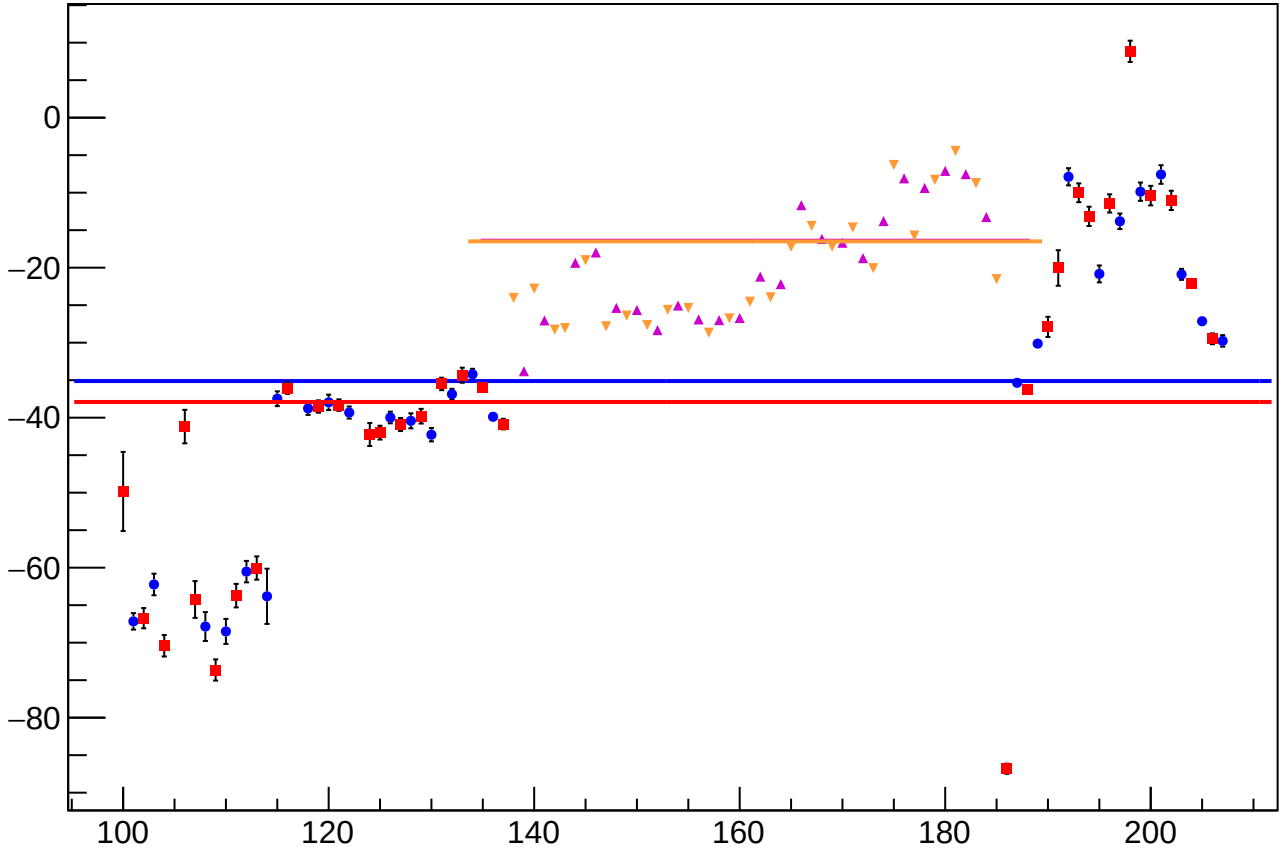
Right: 0.875+/-0.122 χ^2/NDF: 5987.1/56

In: 4.139+/-0.041 χ^2/NDF:6875.5/48

Out: 4.343+/-0.040 χ^2/NDF:7883.9/55

All: 4.242+/-0.029 χ^2/NDF: 14771.9/104

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -35.118+/-0.163 χ^2/NDF: 5369.9/25

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

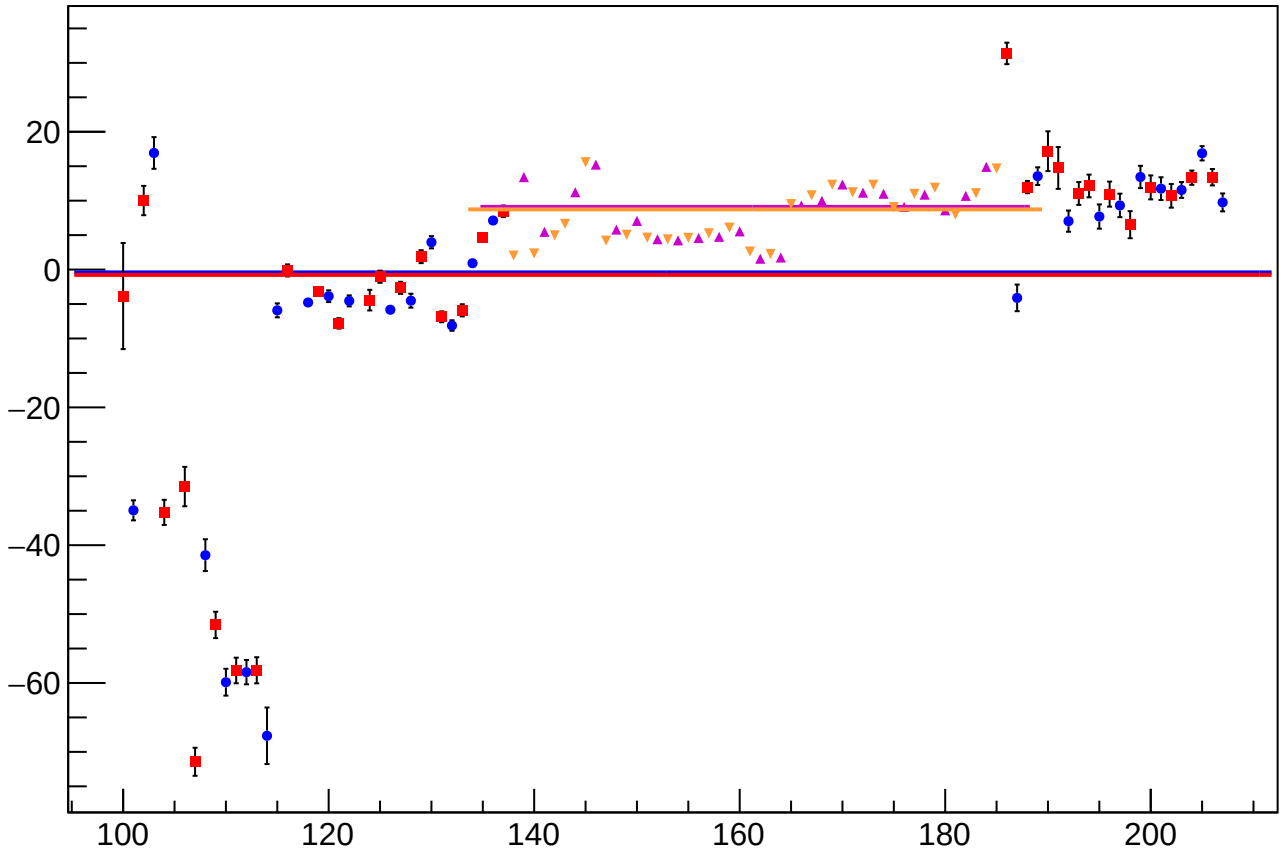
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.529+/-0.114 χ^2/NDF: 17273.0/56

In: -18.251+/-0.051 χ^2/NDF:35305.7/48

Out: -18.574+/-0.050 χ^2/NDF:49733.8/55

All: -18.416+/-0.036 χ^2/NDF: 85059.7/104



Right In: -0.413+/-0.190 χ^2/NDF: 4643.3/25

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

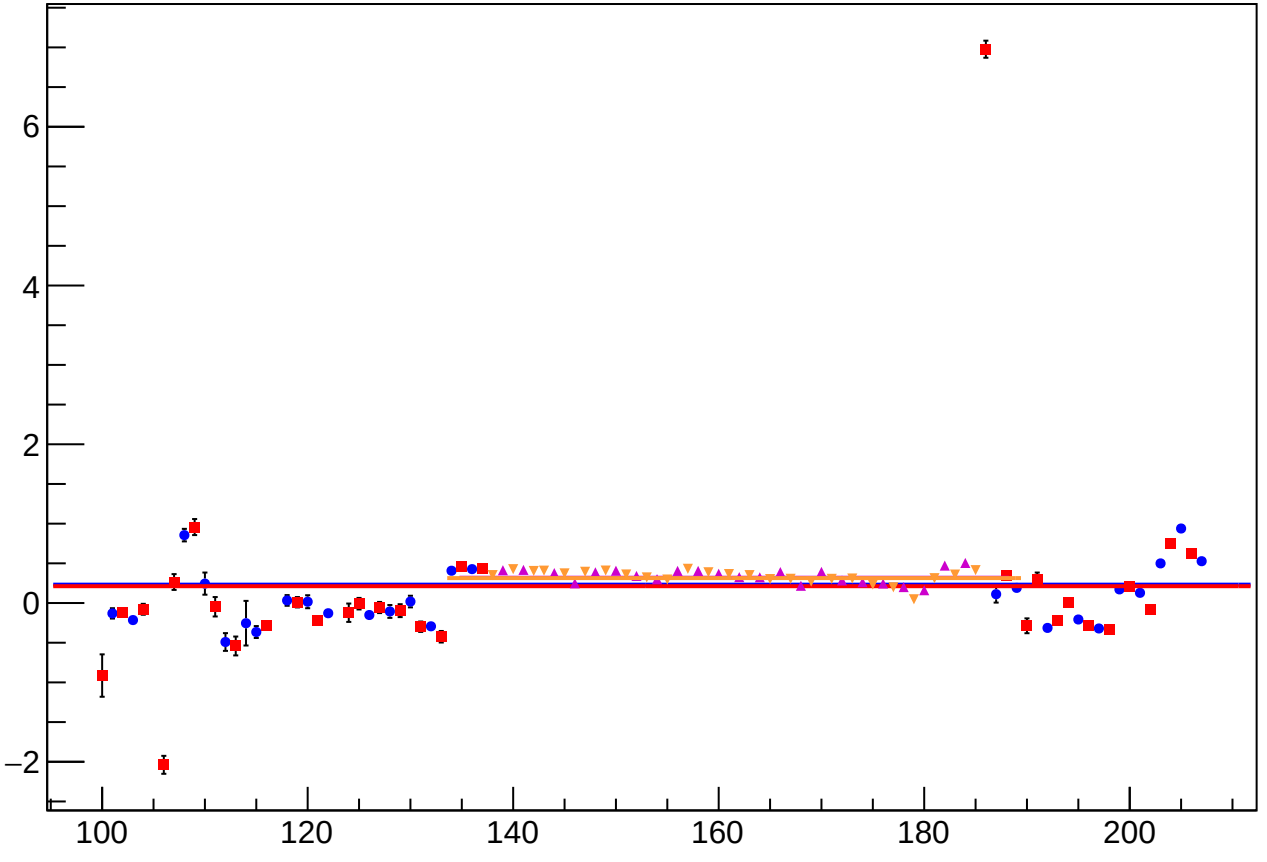
Right: -0.578+/-0.139 χ^2/NDF: 10648.4/56

In: 8.545+/-0.046 χ^2/NDF:12745.4/48

Out: 8.269+/-0.045 χ^2/NDF:14951.6/55

All: 8.405+/-0.032 χ^2/NDF: 27715.5/104

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.231+/-0.009 χ^2/NDF: 1171.4/25

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

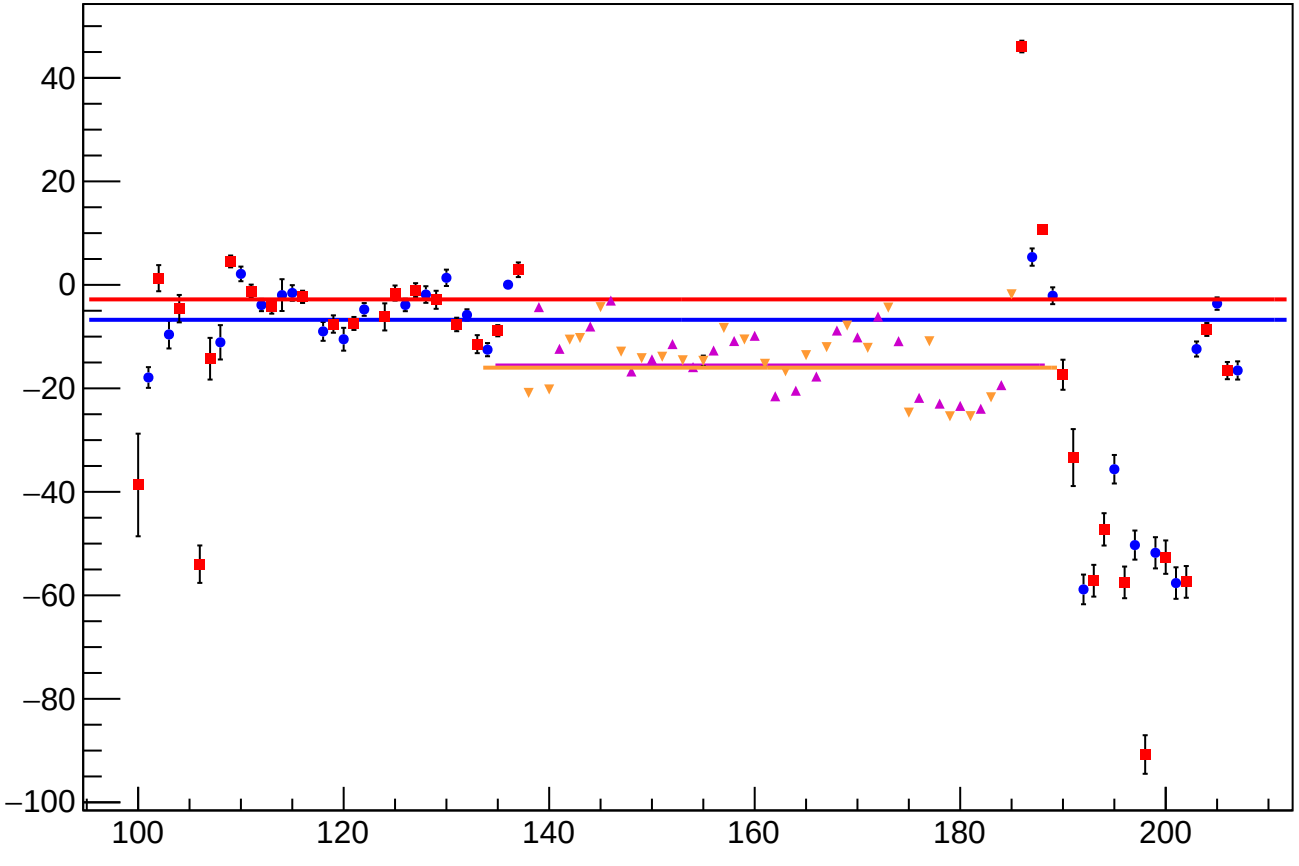
Right: 0.222+/-0.007 χ^2/NDF: 6699.2/56

In: 0.315+/-0.002 χ^2/NDF:3040.8/48

Out: 0.310+/-0.002 χ^2/NDF:7224.2/55

All: 0.312+/-0.001 χ^2/NDF: 10267.6/104

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.751+/-0.299 χ^2/NDF: 1549.9/25

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

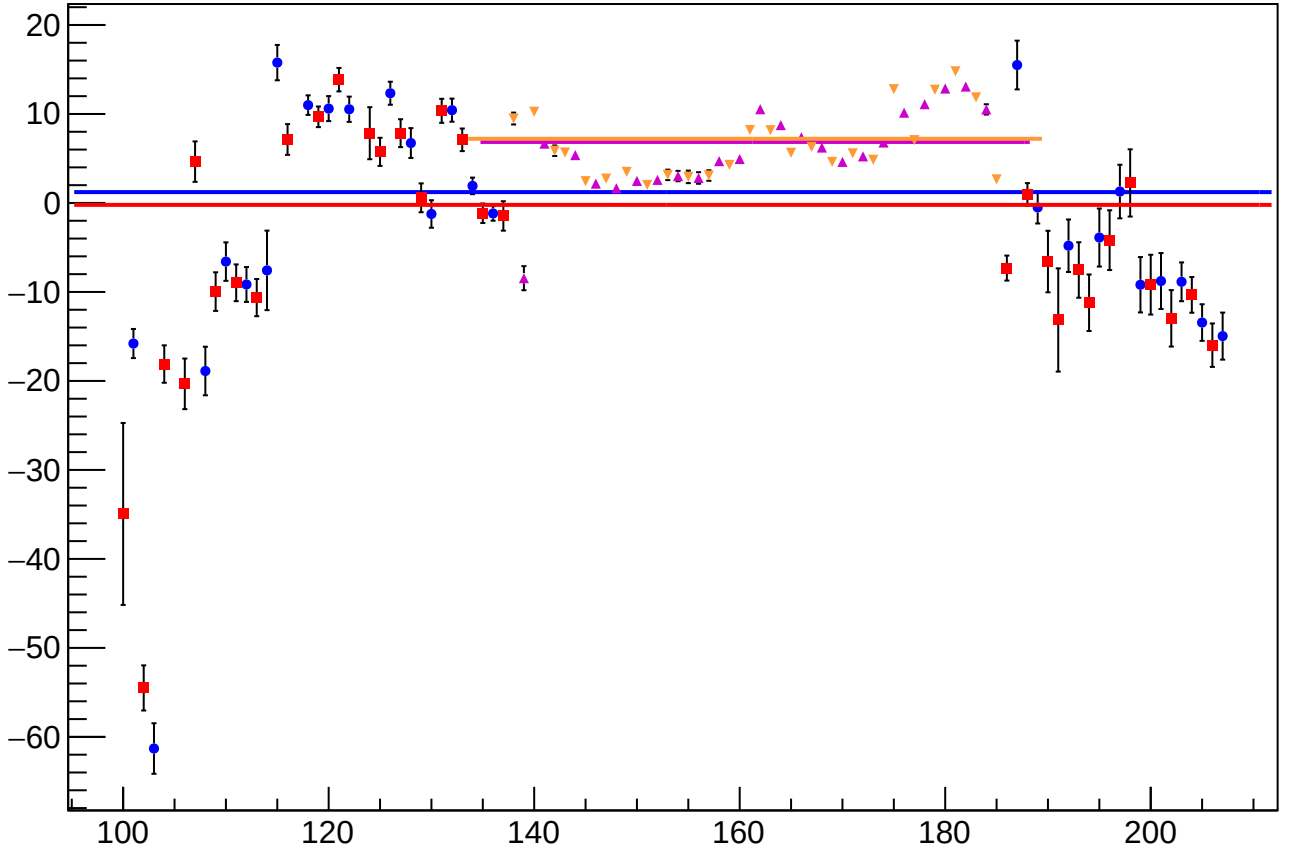
Right: -4.742+/-0.210 χ^2/NDF: 6205.0/56

In: -14.663+/-0.097 χ^2/NDF:7090.3/48

Out: -14.644+/-0.094 χ^2/NDF:12340.9/55

All: -14.653+/-0.067 χ^2/NDF: 19431.2/104

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.220+/-0.326 χ^2/NDF: 1224.7/25

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

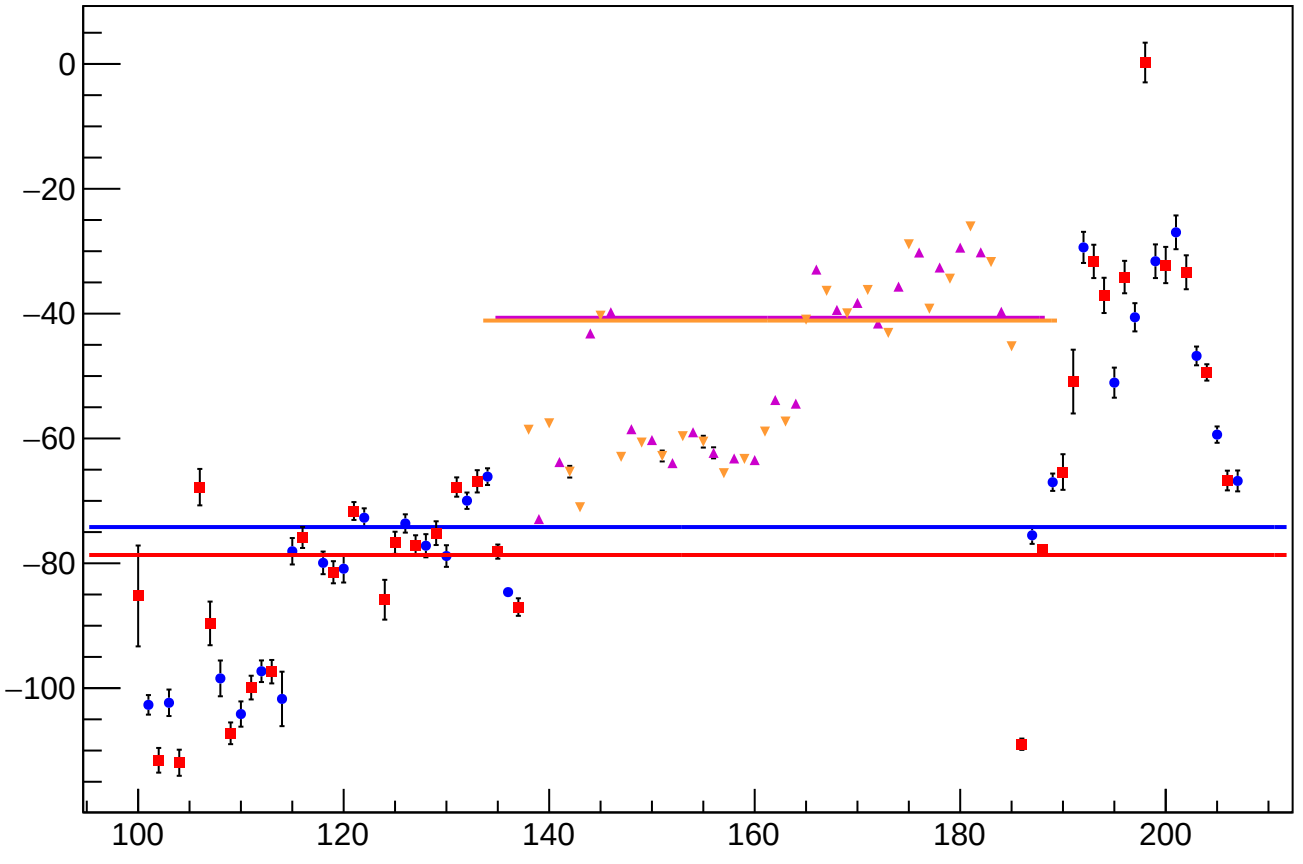
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 0.522+/-0.234 χ^2/NDF: 2387.1/56

In: 6.528+/-0.079 χ^2/NDF:3662.6/48

Out: 6.811+/-0.078 χ^2/NDF:4073.9/55

All: 6.671+/-0.055 χ^2/NDF: 7743.0/104



Right In: -74.194+/-0.316 χ^2/NDF: 3008.5/25

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

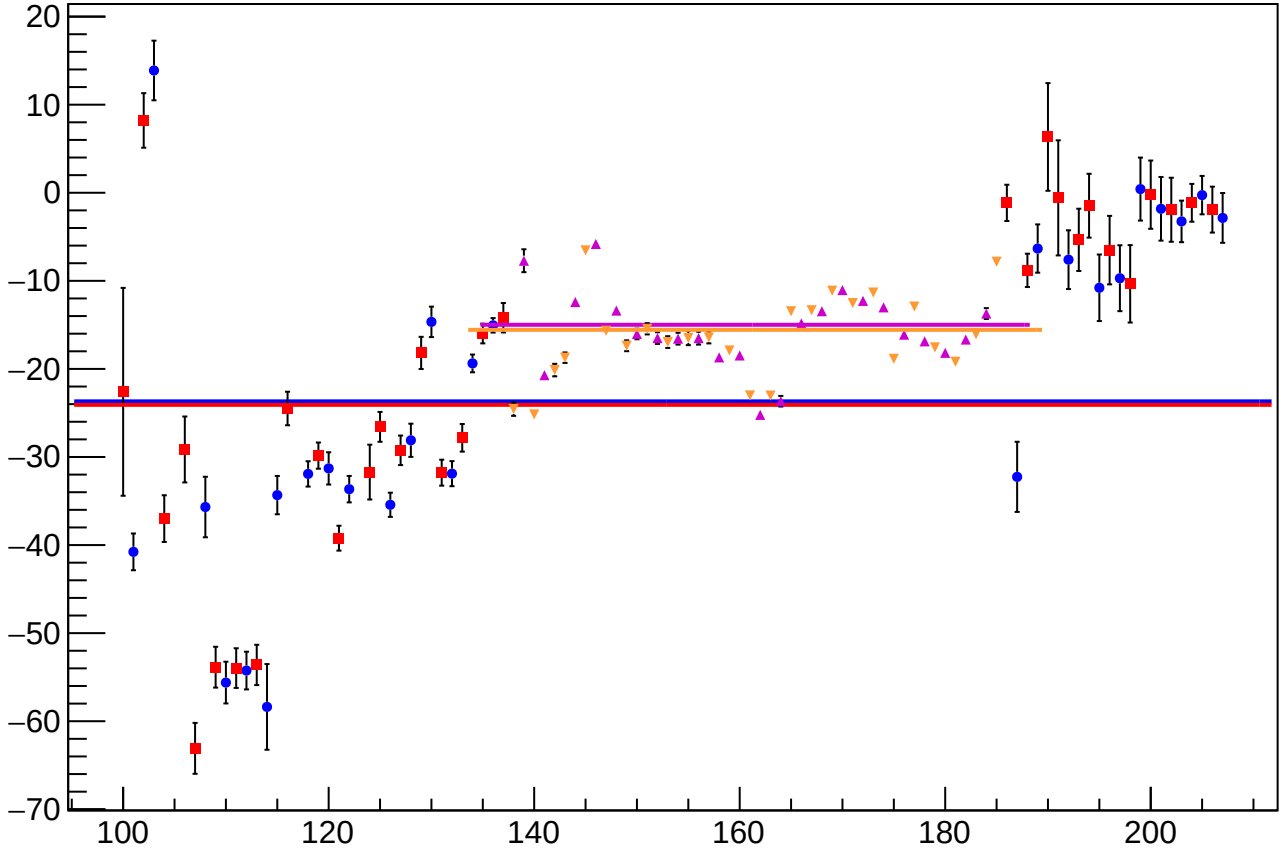
Right: -76.520+/-0.219 χ^2/NDF: 8031.3/56

In: -43.838+/-0.097 χ^2/NDF:26732.3/48

Out: -44.780+/-0.095 χ^2/NDF:34701.5/55

All: -44.320+/-0.068 χ^2/NDF: 61481.9/104

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -23.684+/-0.365 χ^2/NDF: 1445.7/25

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

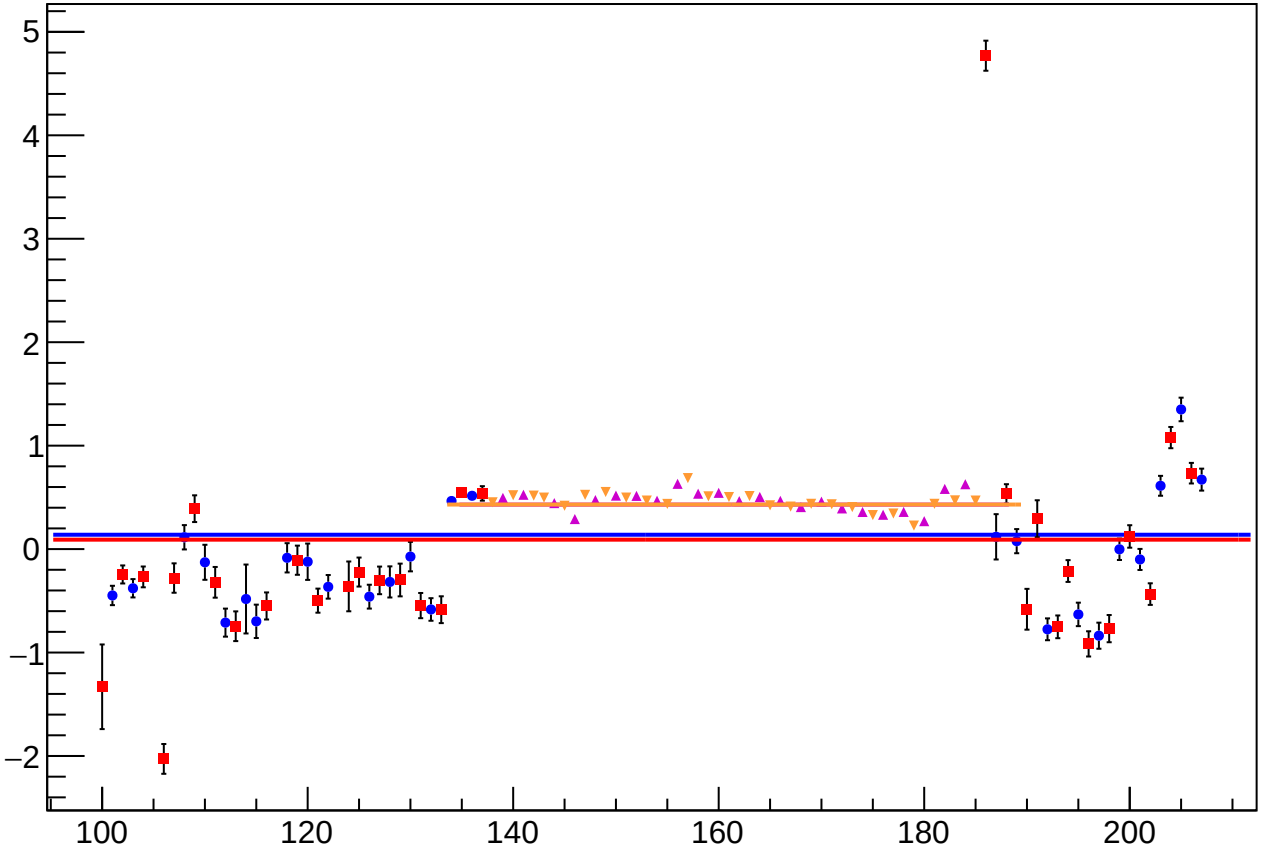
Right: -23.871+/-0.265 χ^2/NDF: 3134.5/56

In: -15.490+/-0.088 χ^2/NDF:4130.0/48

Out: -15.992+/-0.087 χ^2/NDF:4701.1/55

All: -15.744+/-0.062 χ^2/NDF: 8847.8/104

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.139+/-0.018 χ^2/NDF: 774.8/25

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

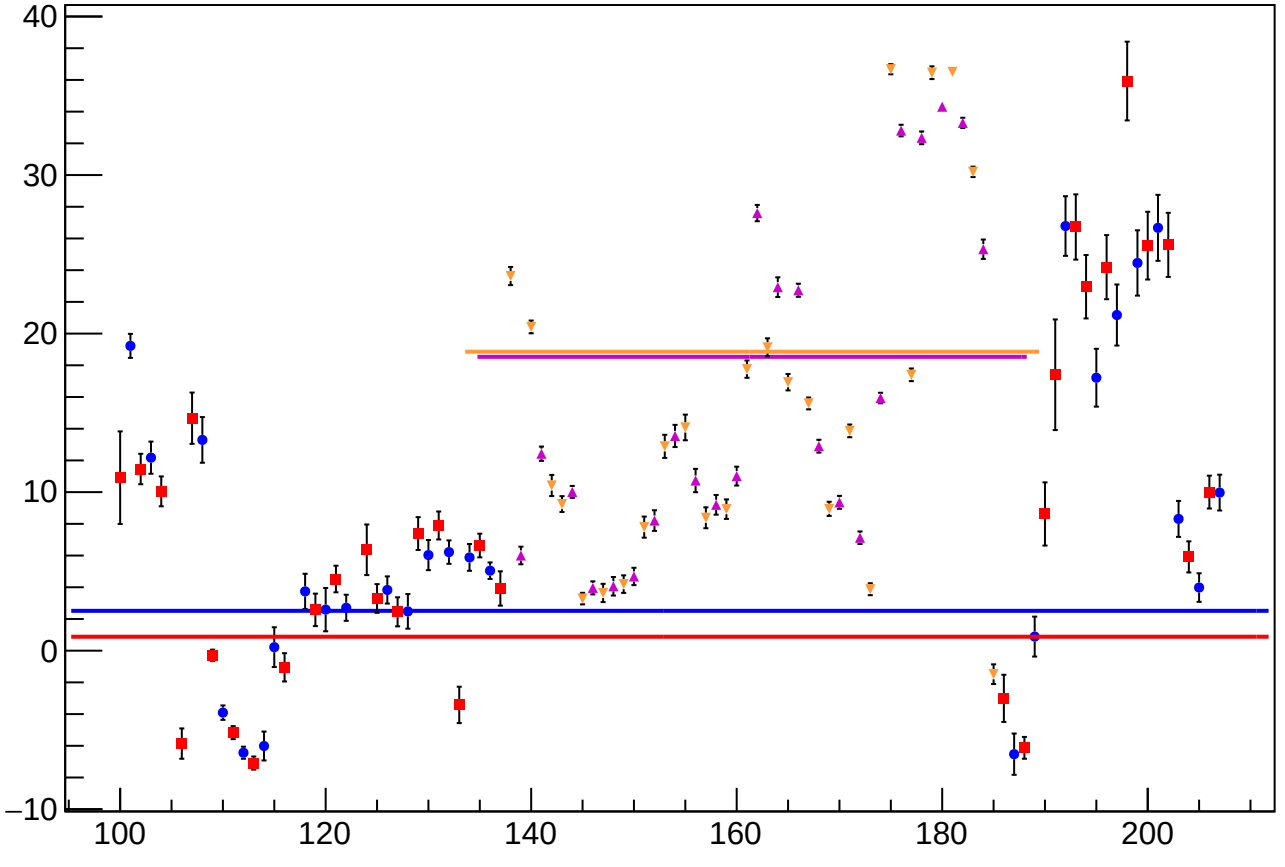
Right: 0.117+/-0.013 χ^2/NDF: 2776.3/56

In: 0.417+/-0.004 χ^2/NDF:1598.9/48

Out: 0.418+/-0.004 χ^2/NDF:2701.3/55

All: 0.417+/-0.003 χ^2/NDF: 4300.2/104

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.513+/-0.169 χ^2/NDF: 2253.9/25

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

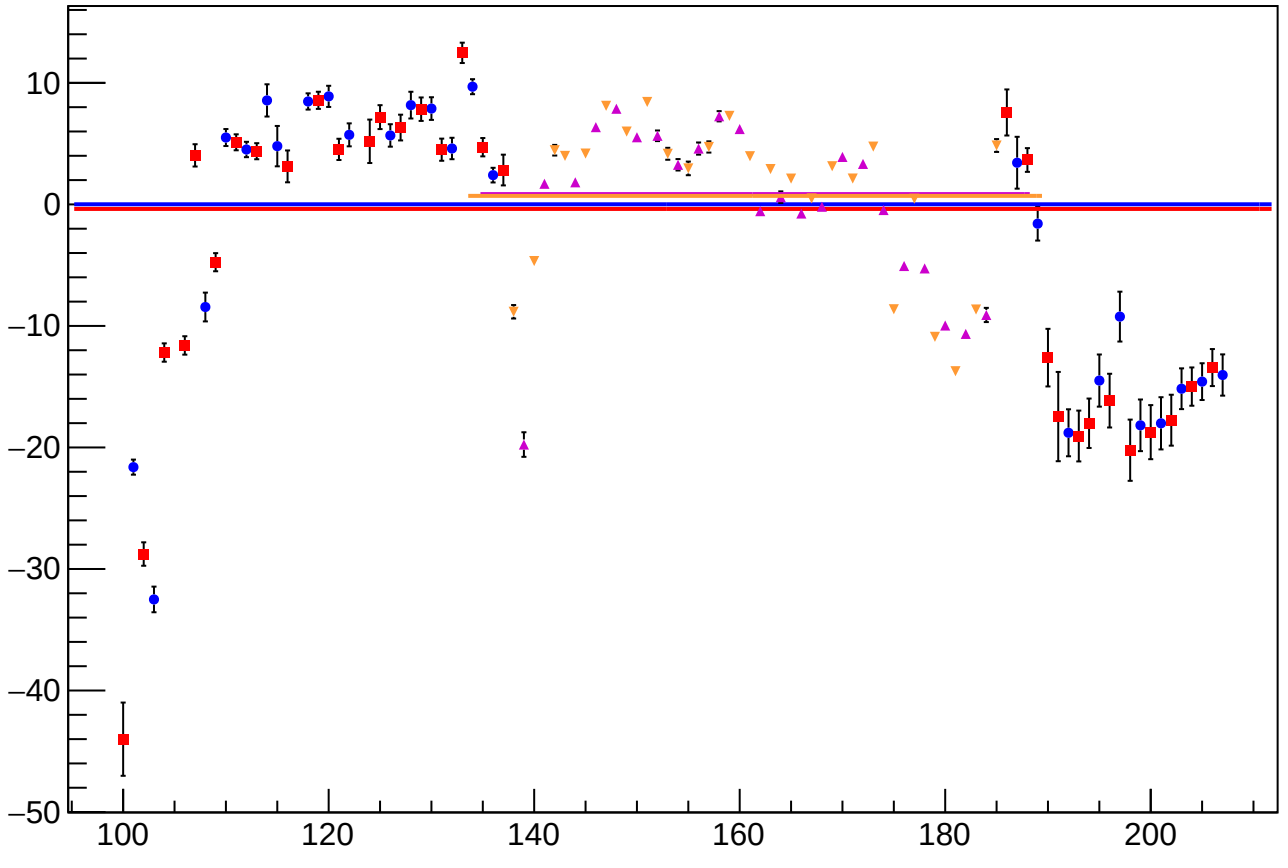
Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

Right: 1.625+/-0.114 χ^2/NDF: 4632.3/56

In: 14.785+/-0.082 χ^2/NDF:23232.6/48

Out: 14.271+/-0.078 χ^2/NDF:30790.4/55

All: 14.516+/-0.056 χ^2/NDF: 54043.7/104



Right In: 0.009+/-0.192 χ^2/NDF: 3682.6/25

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

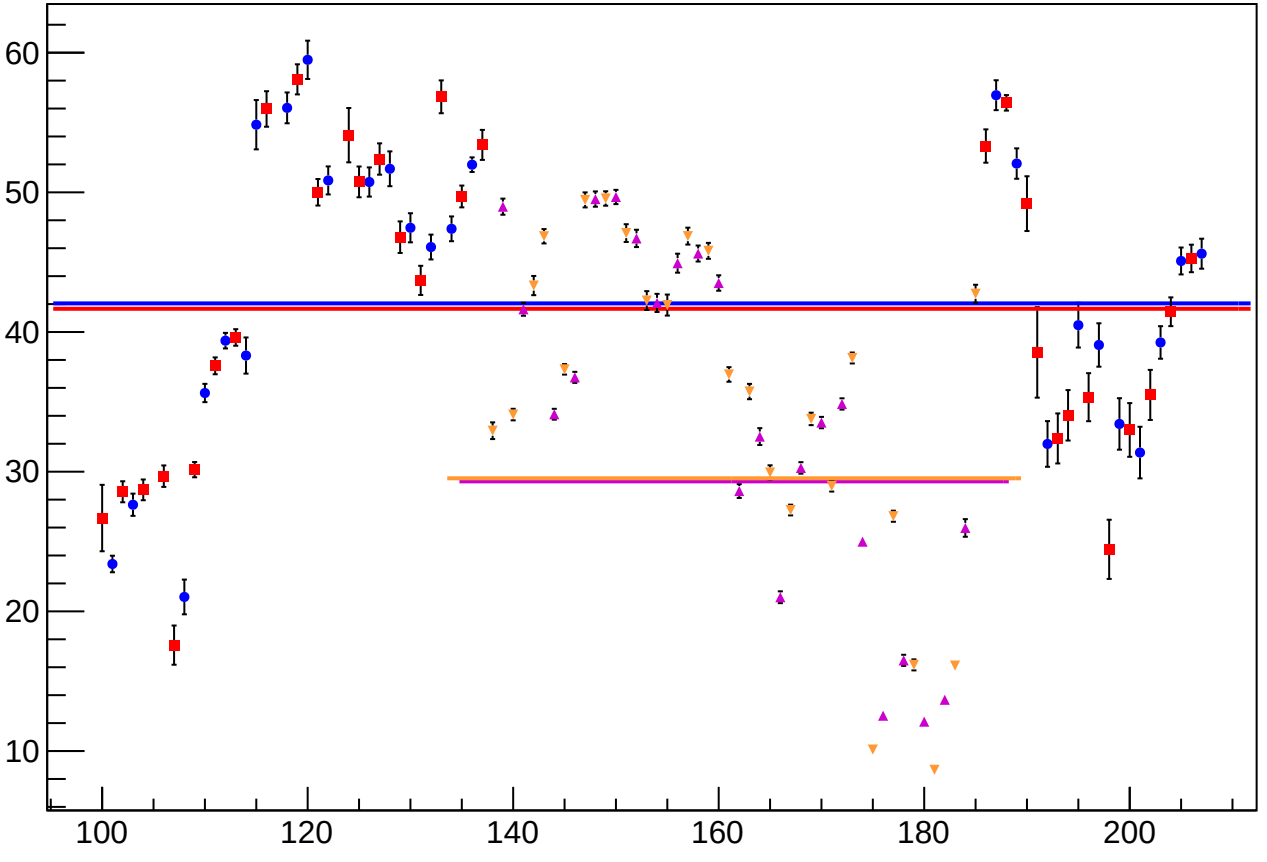
Right: -0.185+/-0.134 χ^2/NDF: 6748.7/56

In: 0.742+/-0.068 χ^2/NDF:9744.6/48

Out: 0.570+/-0.066 χ^2/NDF:11330.5/55

All: 0.654+/-0.047 χ^2/NDF: 21078.5/104

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 42.049+/-0.187 χ^2/NDF: 3158.4/25

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

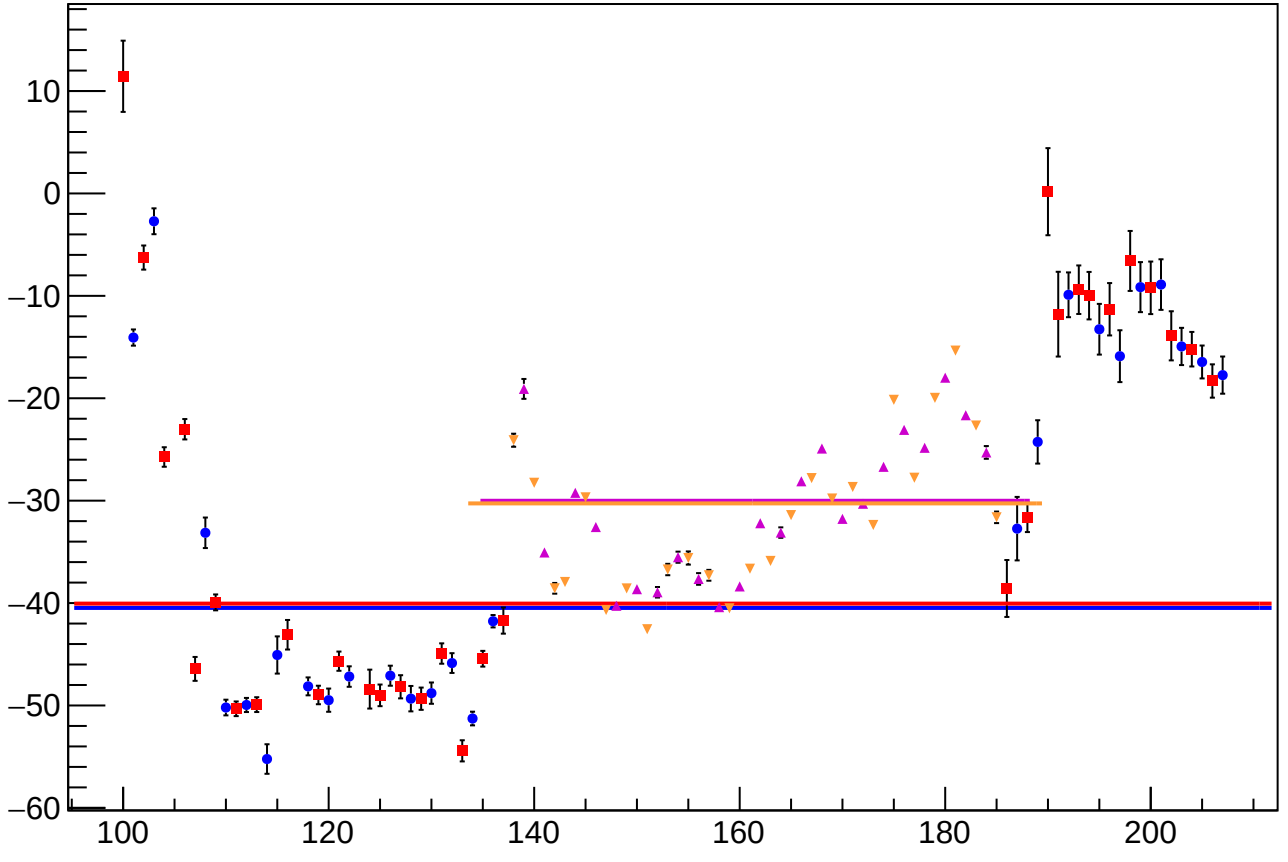
Right: 41.845+/-0.128 χ^2/NDF: 6885.8/56

In: 31.844+/-0.083 χ^2/NDF:24761.1/48

Out: 32.071+/-0.081 χ^2/NDF:28572.9/55

All: 31.961+/-0.058 χ^2/NDF: 53337.8/104

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -40.474+/-0.217 χ^2/NDF: 4516.5/25

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

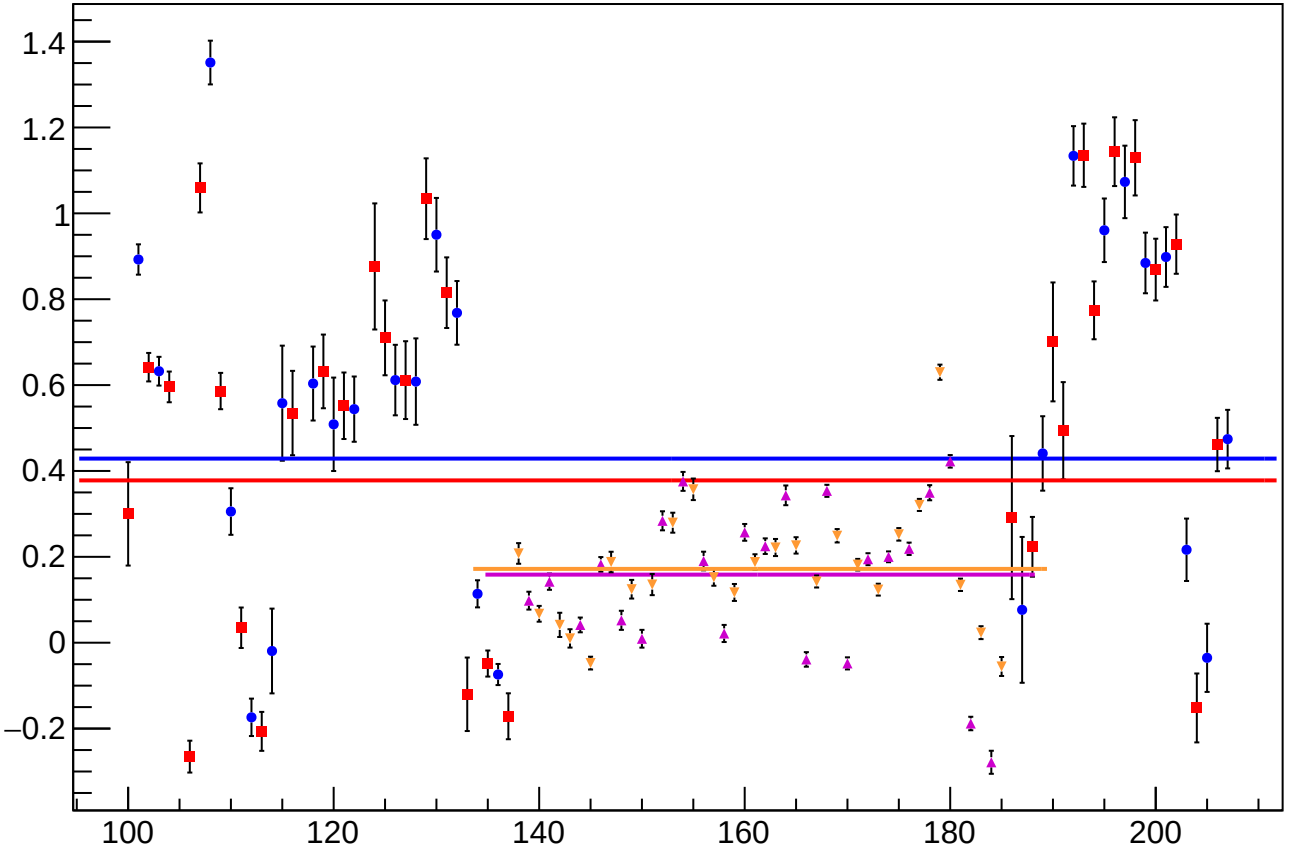
Right: -40.262+/-0.153 χ^2/NDF: 8545.3/56

In: -31.298+/-0.076 χ^2/NDF:12634.5/48

Out: -31.431+/-0.074 χ^2/NDF:14339.0/55

All: -31.366+/-0.053 χ^2/NDF: 26975.1/104

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.429+/-0.011 χ^2/NDF: 1693.9/25

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

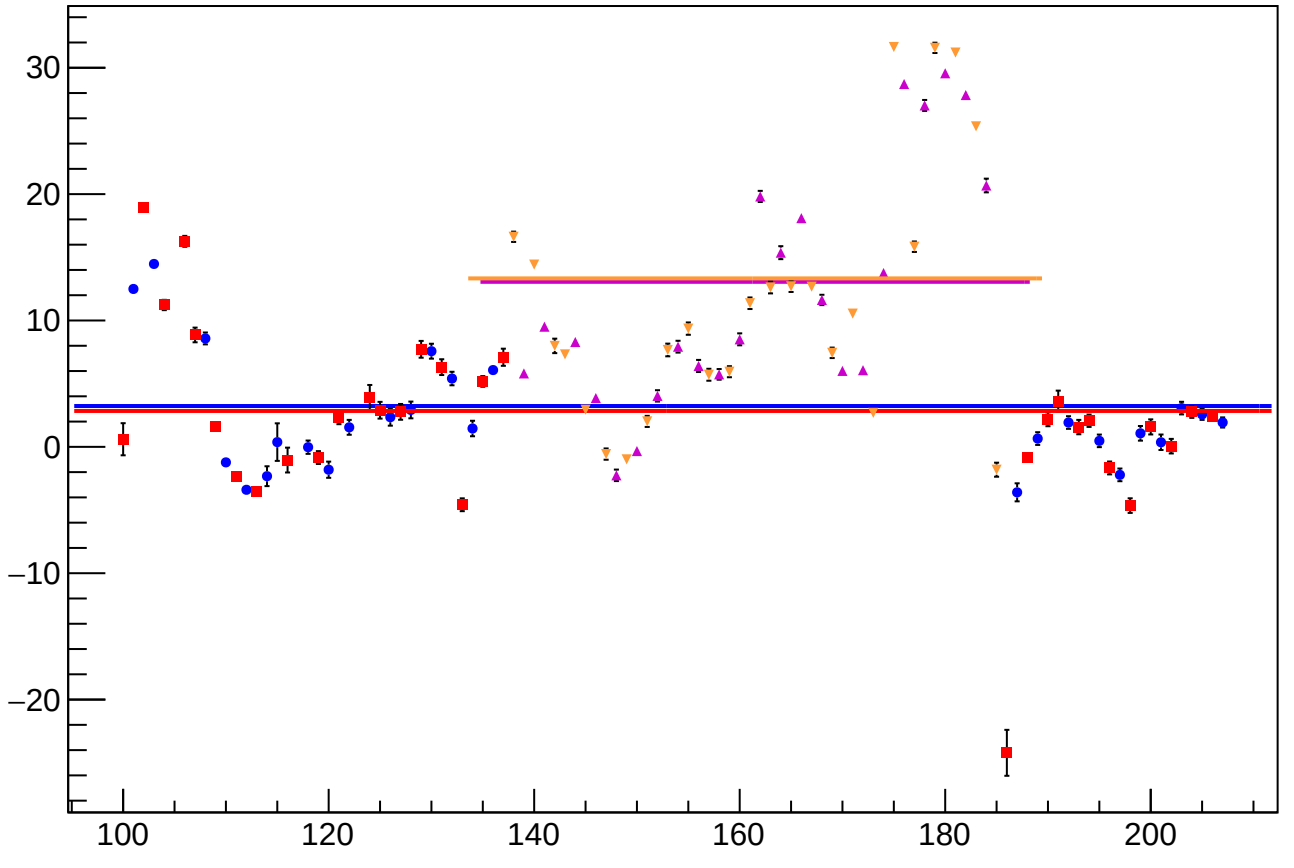
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

Right: 0.403+/-0.008 χ^2/NDF: 3426.6/56

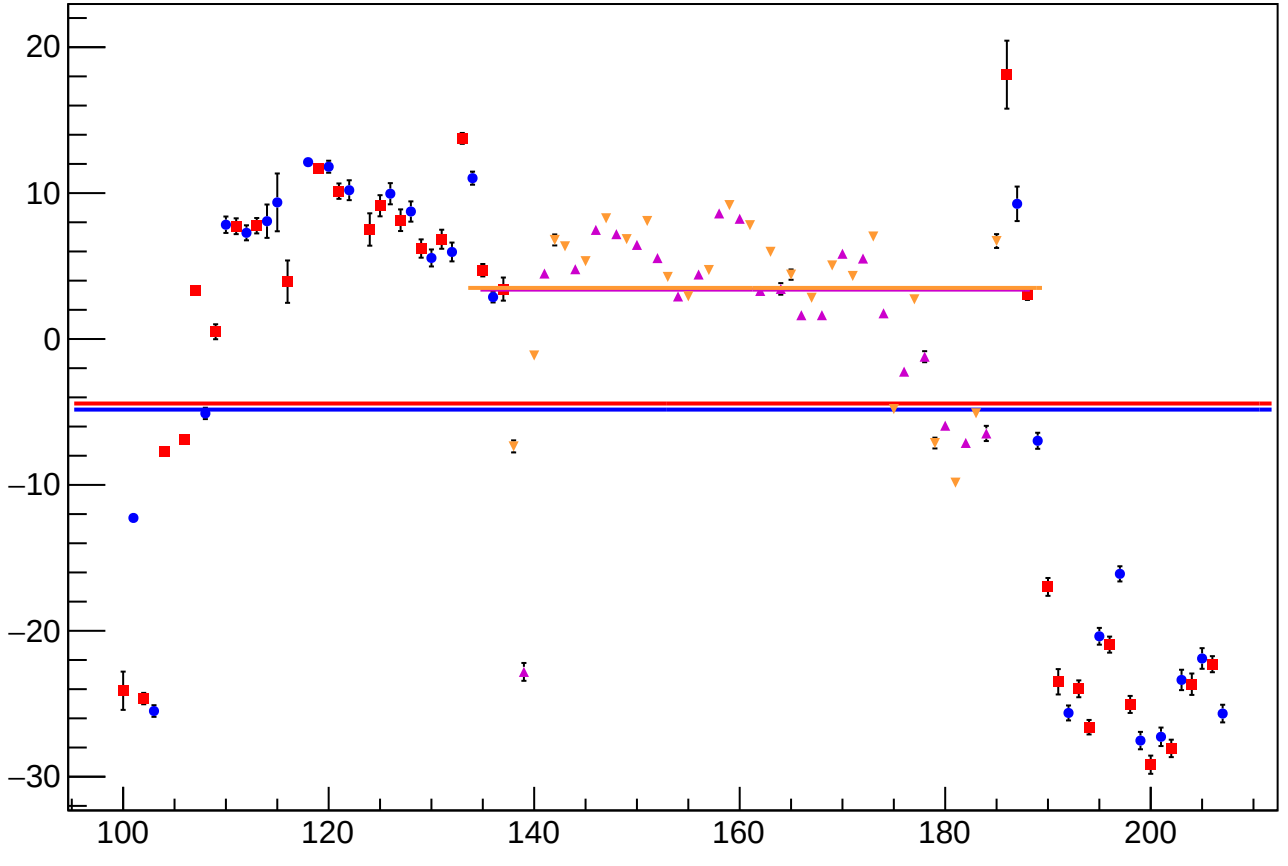
In: 0.186+/-0.003 χ^2/NDF:4432.8/48

Out: 0.192+/-0.003 χ^2/NDF:3555.8/55

All: 0.189+/-0.002 χ^2/NDF: 7990.6/104


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: 3.232+/-0.094 χ²/NDF: 3049.9/25
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: 3.018+/-0.064 χ²/NDF: 8166.7/56
In: 8.993+/-0.061 χ²/NDF:24964.7/48
Out: 8.670+/-0.057 χ²/NDF:32834.5/55
All: 8.822+/-0.042 χ²/NDF: 57814.2/104

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.838+/-0.099 χ^2/NDF: 20918.6/25

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

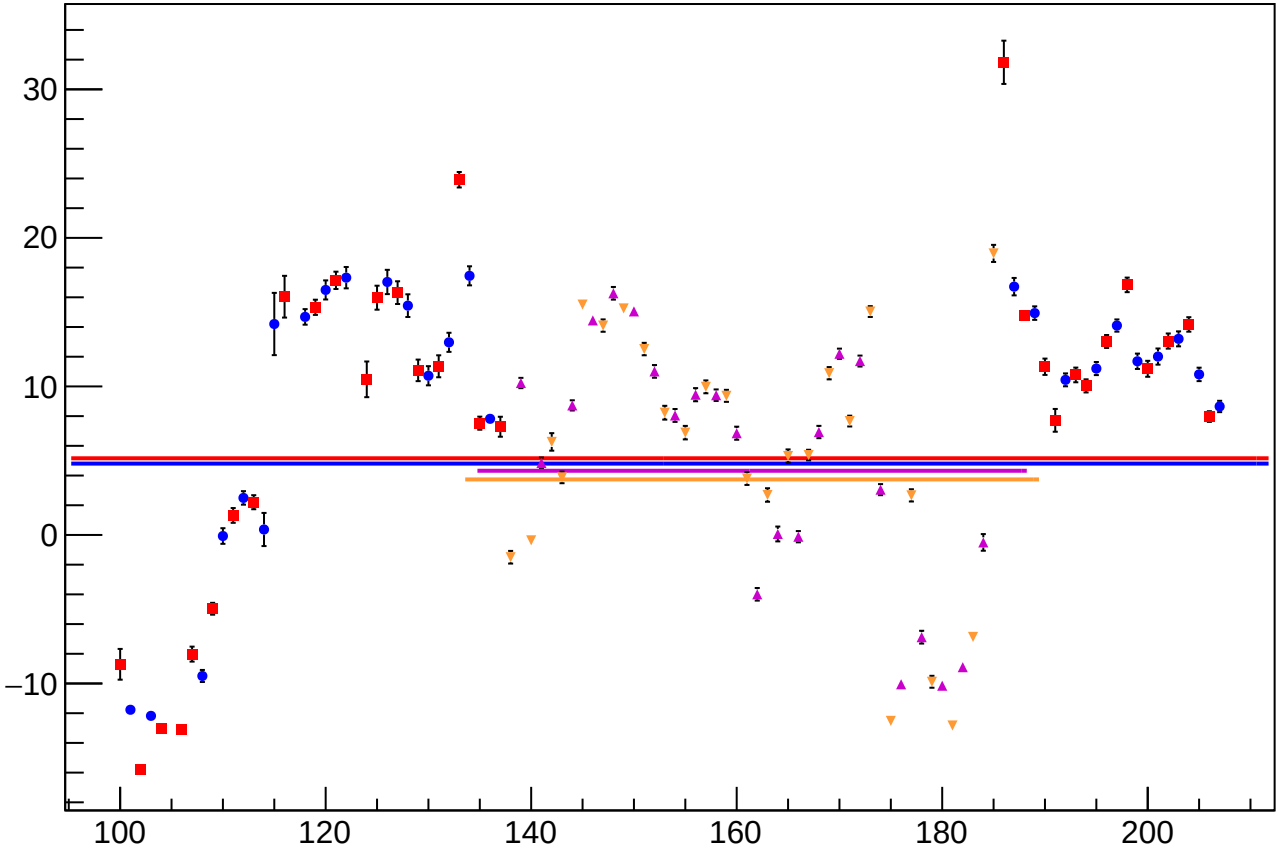
Right: -4.616+/-0.068 χ^2/NDF: 44704.8/56

In: 1.138+/-0.052 χ^2/NDF:32591.4/48

Out: 1.247+/-0.050 χ^2/NDF:36900.7/55

All: 1.195+/-0.036 χ^2/NDF: 69494.3/104

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 4.805+/-0.092 χ^2/NDF: 13624.1/25

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

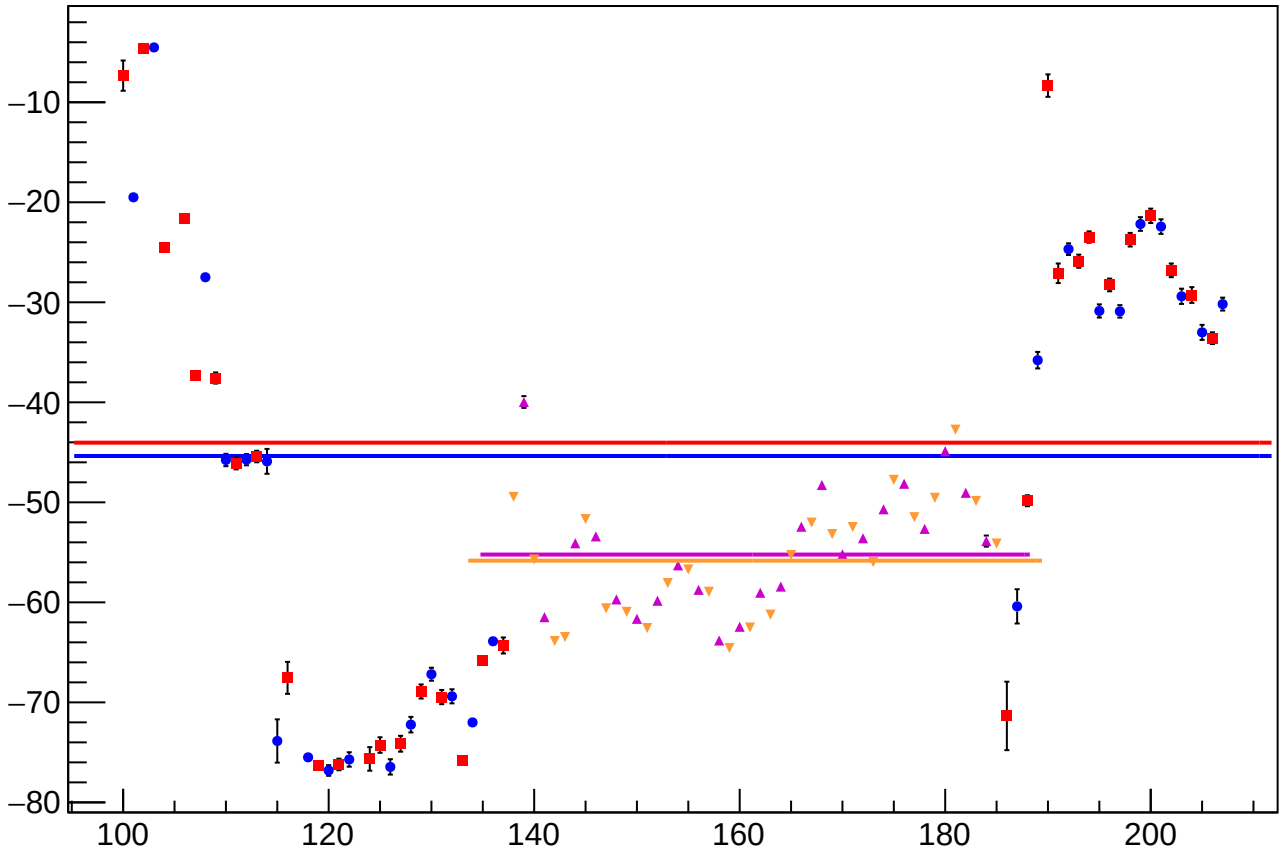
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 5.000+/-0.062 χ^2/NDF: 33610.2/56

In: 4.525+/-0.060 χ^2/NDF:26123.2/48

Out: 4.383+/-0.057 χ^2/NDF:35721.9/55

All: 4.450+/-0.041 χ^2/NDF: 61848.1/104



Right In: -45.367+/-0.116 χ^2/NDF: 41537.6/25

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

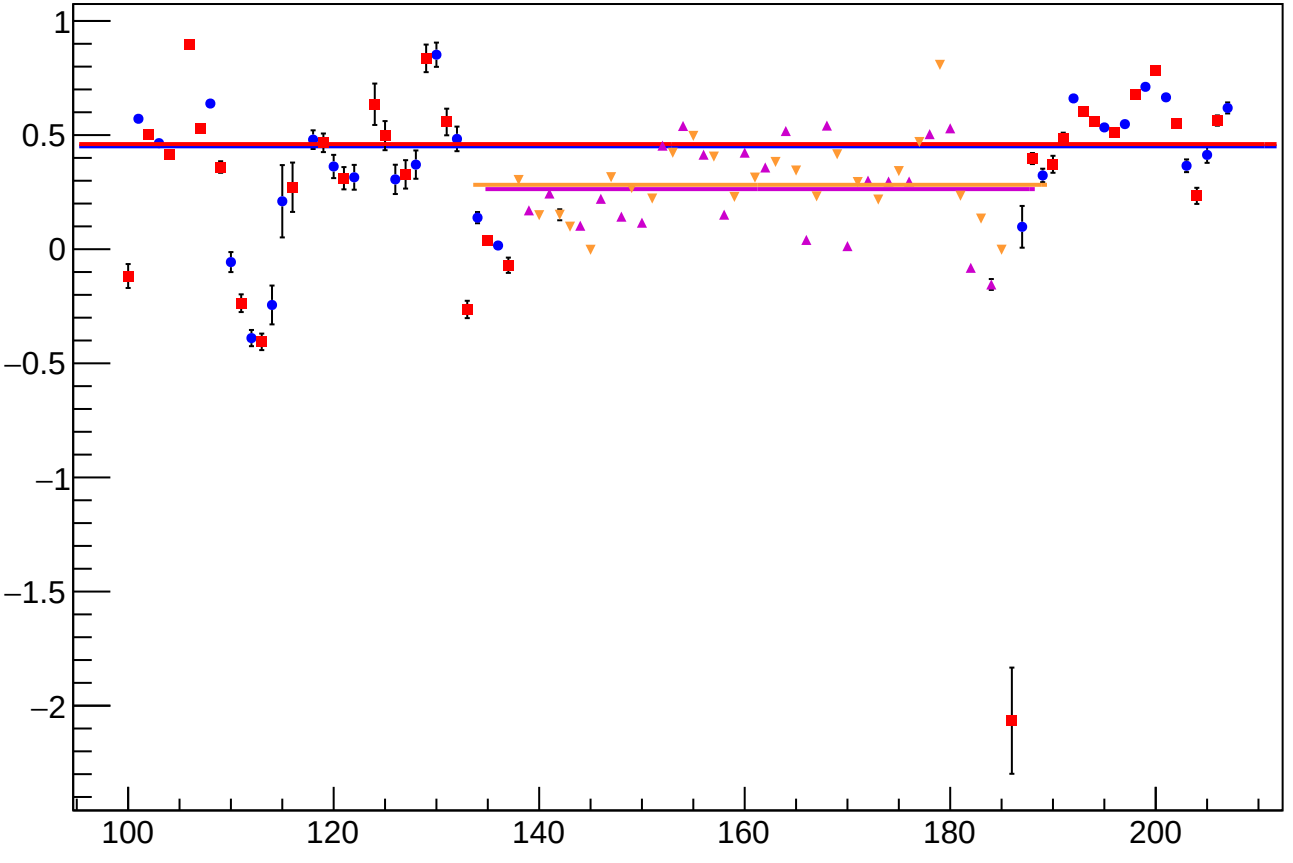
Right: -44.664+/-0.080 χ^2/NDF: 84947.0/56

In: -52.676+/-0.059 χ^2/NDF:53195.7/48

Out: -52.690+/-0.057 χ^2/NDF:59354.2/55

All: -52.683+/-0.041 χ^2/NDF: 112550.0/104

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.451+/-0.005 χ^2/NDF: 2606.4/25

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

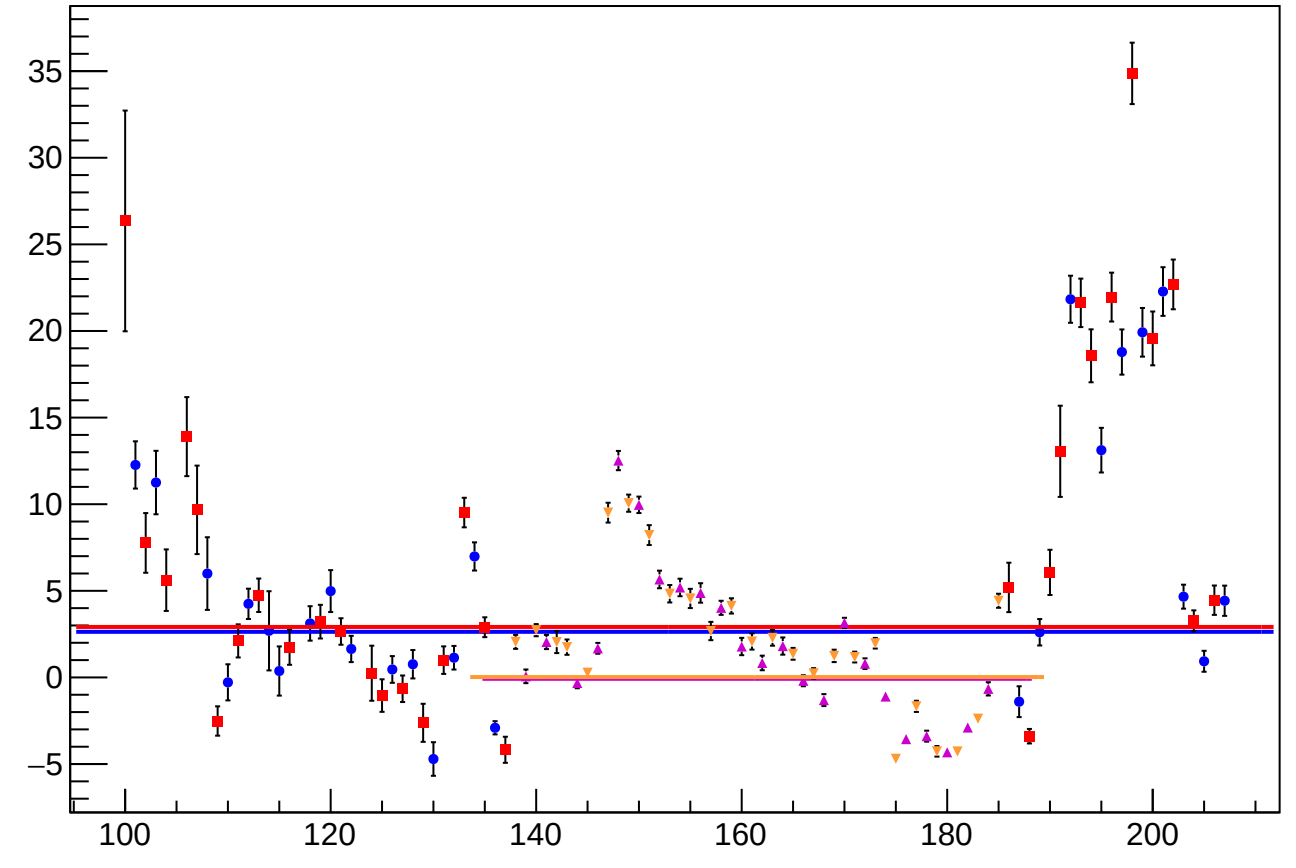
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.456+/-0.003 χ^2/NDF: 6258.3/56

In: 0.316+/-0.003 χ^2/NDF:7521.9/48

Out: 0.337+/-0.002 χ^2/NDF:7456.4/55

All: 0.327+/-0.002 χ^2/NDF: 15010.7/104



Right In: 2.634+/-0.171 χ^2/NDF: 1216.0/25

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

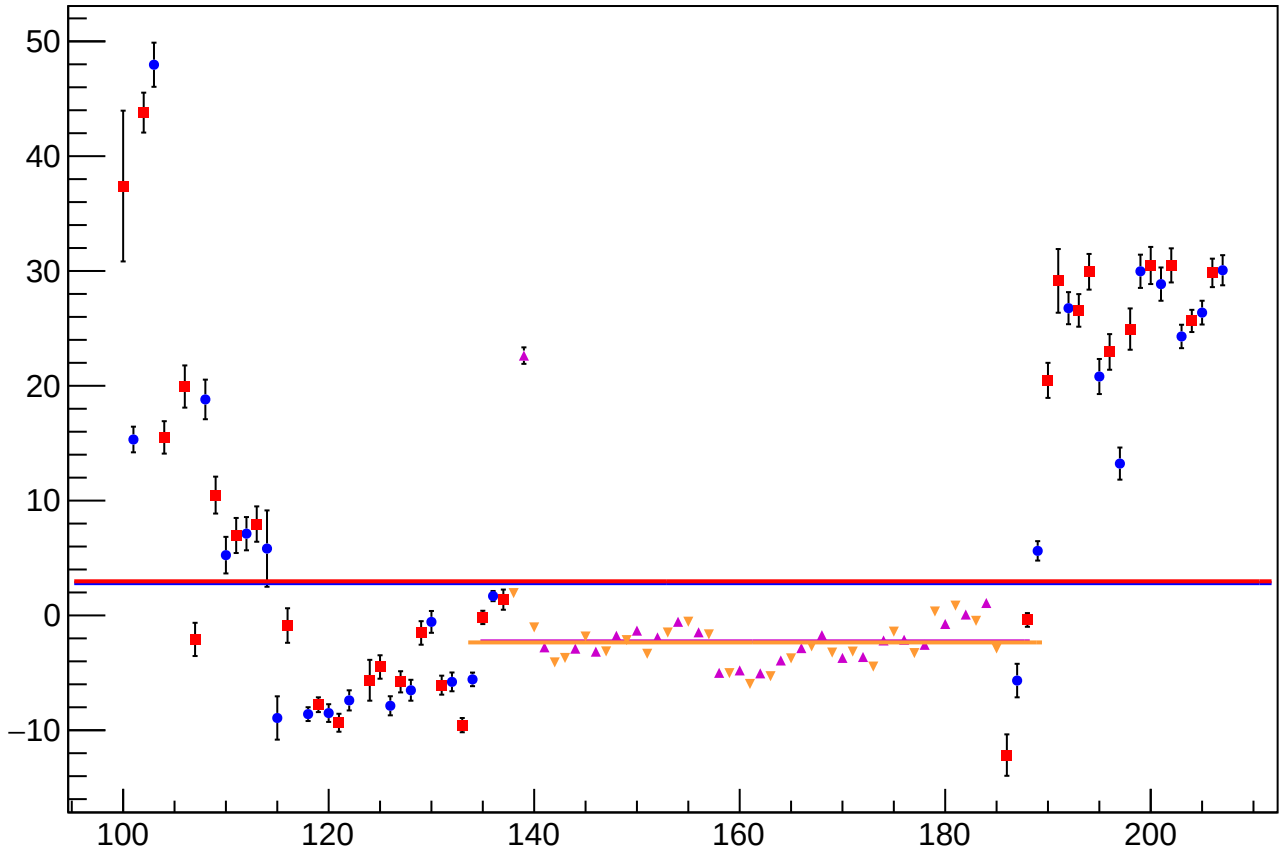
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.774+/-0.121 χ^2/NDF: 2888.8/56

In: 0.315+/-0.065 χ^2/NDF:3894.6/48

Out: 0.419+/-0.064 χ^2/NDF:4674.9/55

All: 0.368+/-0.046 χ^2/NDF: 8570.8/104



Right In: 2.811+/-0.188 χ^2/NDF: 4724.8/25

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

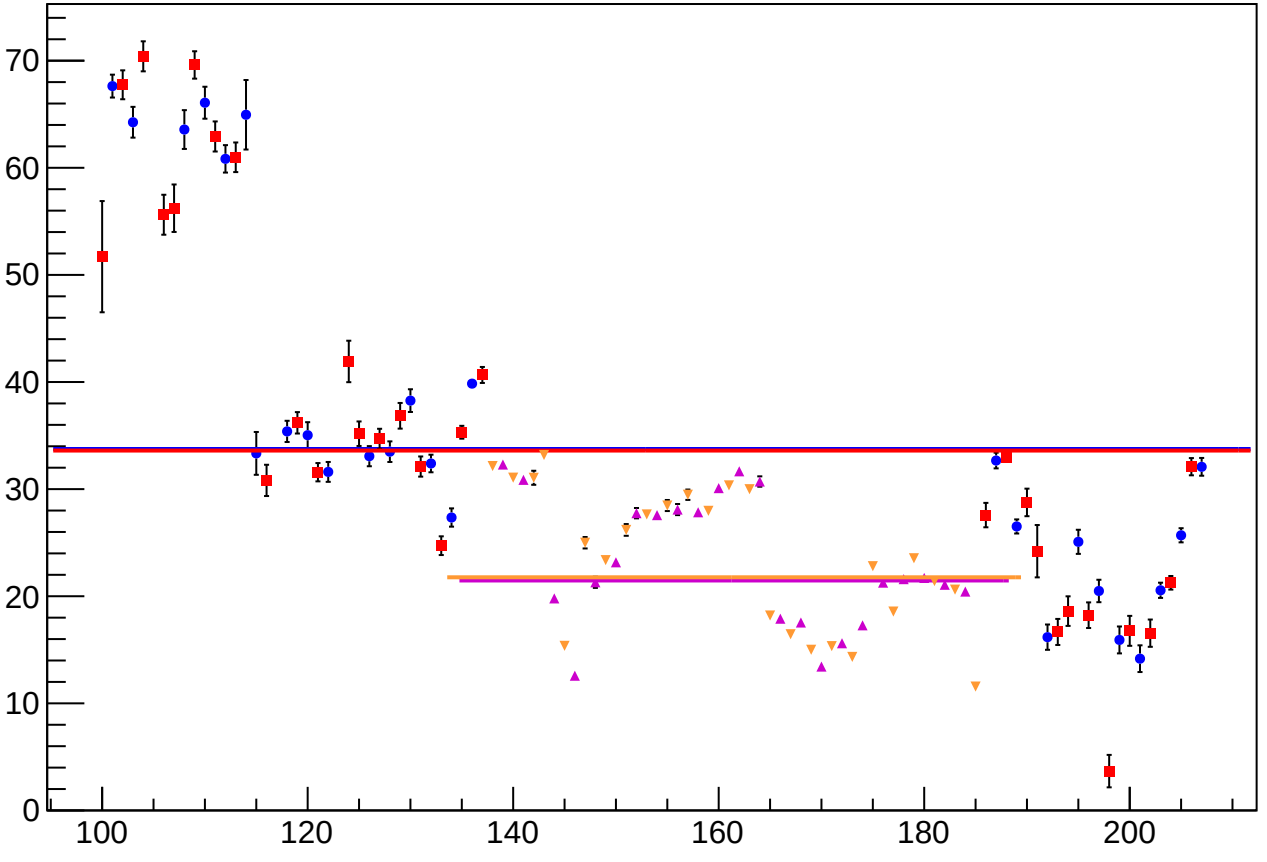
Right: 2.889+/-0.135 χ^2/NDF: 9666.2/56

In: -1.838+/-0.054 χ^2/NDF:7269.2/48

Out: -1.950+/-0.053 χ^2/NDF:6772.8/55

All: -1.895+/-0.038 χ^2/NDF: 14044.2/104

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 33.746+/-0.176 χ^2/NDF: 4585.0/25

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

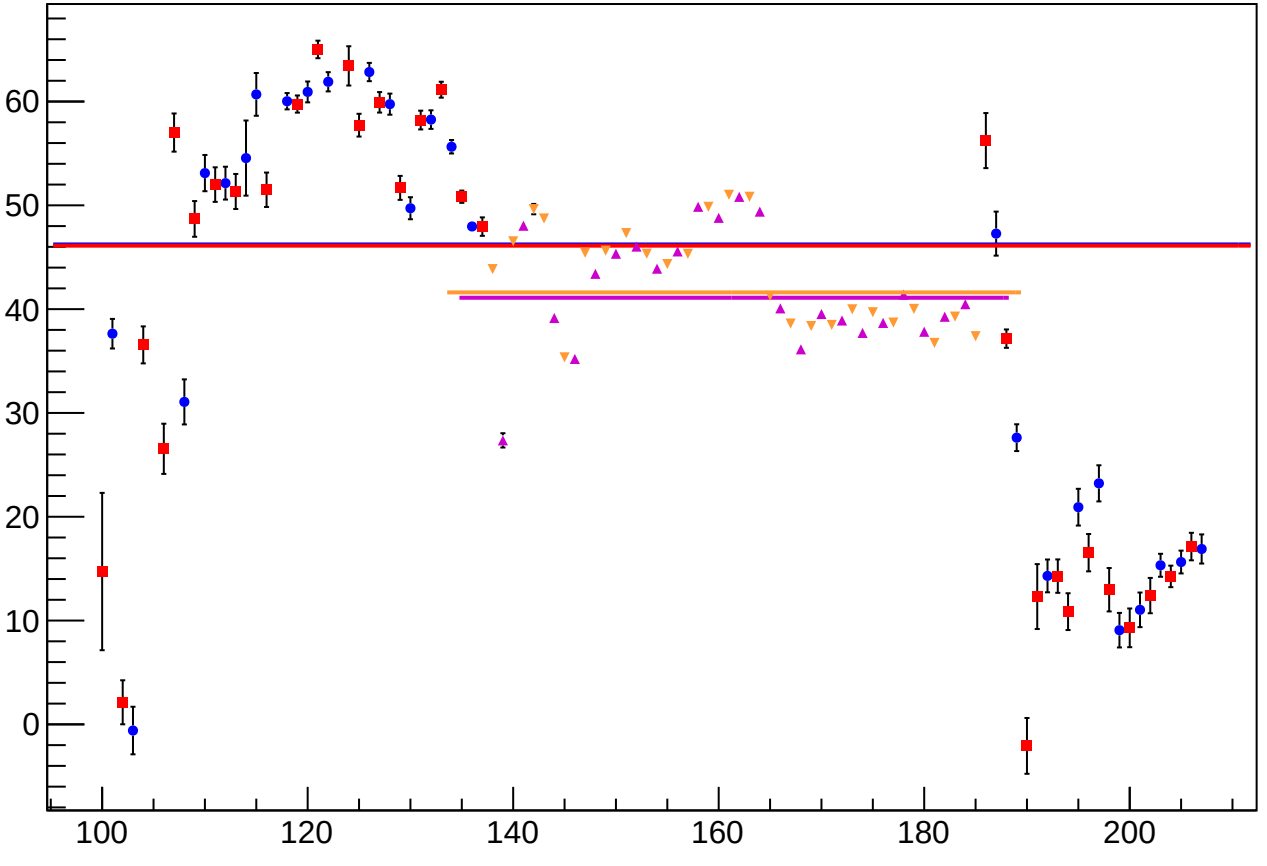
Right: 33.672+/-0.123 χ^2/NDF: 9673.9/56

In: 23.173+/-0.066 χ^2/NDF:14559.4/48

Out: 23.399+/-0.064 χ^2/NDF:15972.3/55

All: 23.289+/-0.046 χ^2/NDF: 30537.9/104

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.231+/-0.212 χ^2/NDF: 6277.5/25

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

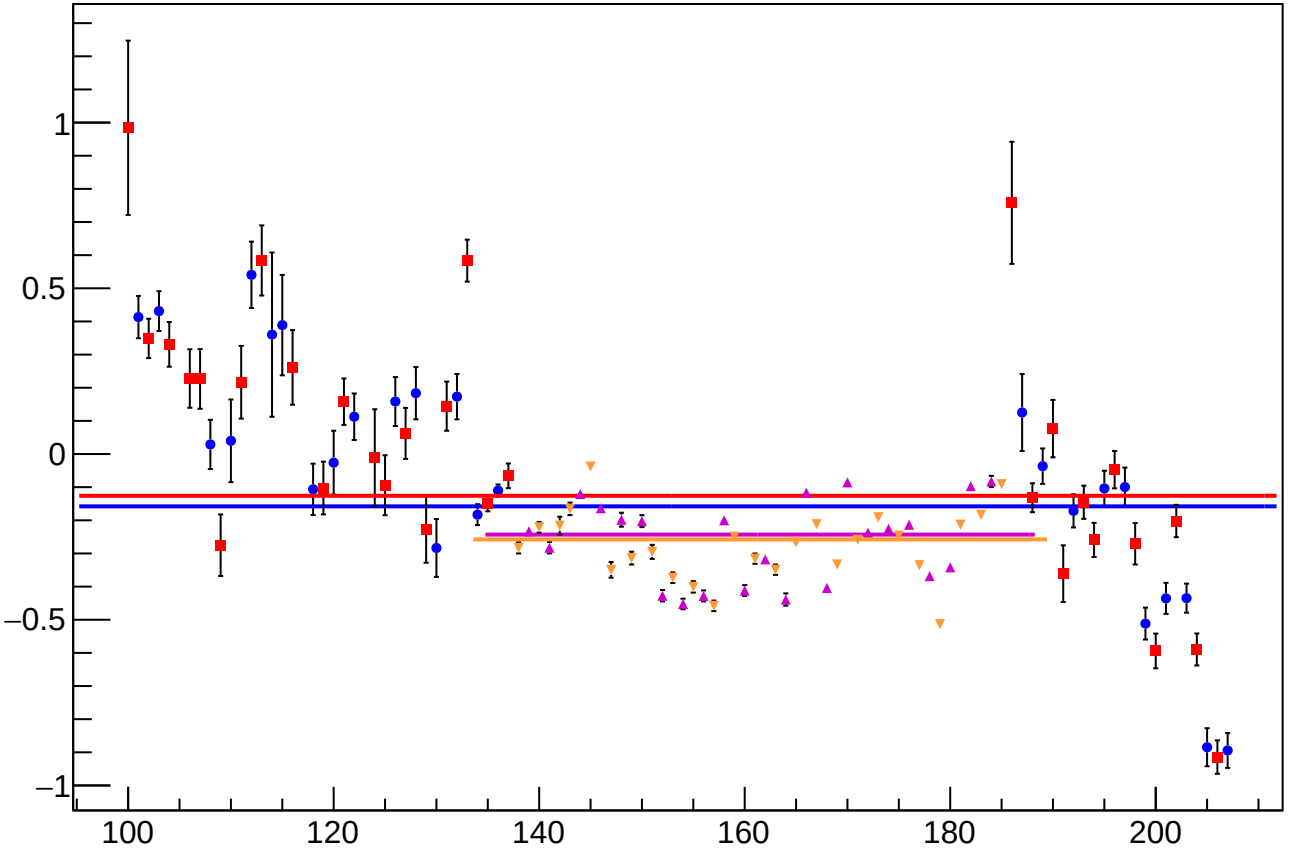
Right: 46.176+/-0.153 χ^2/NDF: 12779.5/56

In: 41.510+/-0.060 χ^2/NDF:12294.7/48

Out: 41.932+/-0.059 χ^2/NDF:12659.9/55

All: 41.725+/-0.042 χ^2/NDF: 24979.6/104

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.158+/-0.010 χ^2/NDF: 835.4/25

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

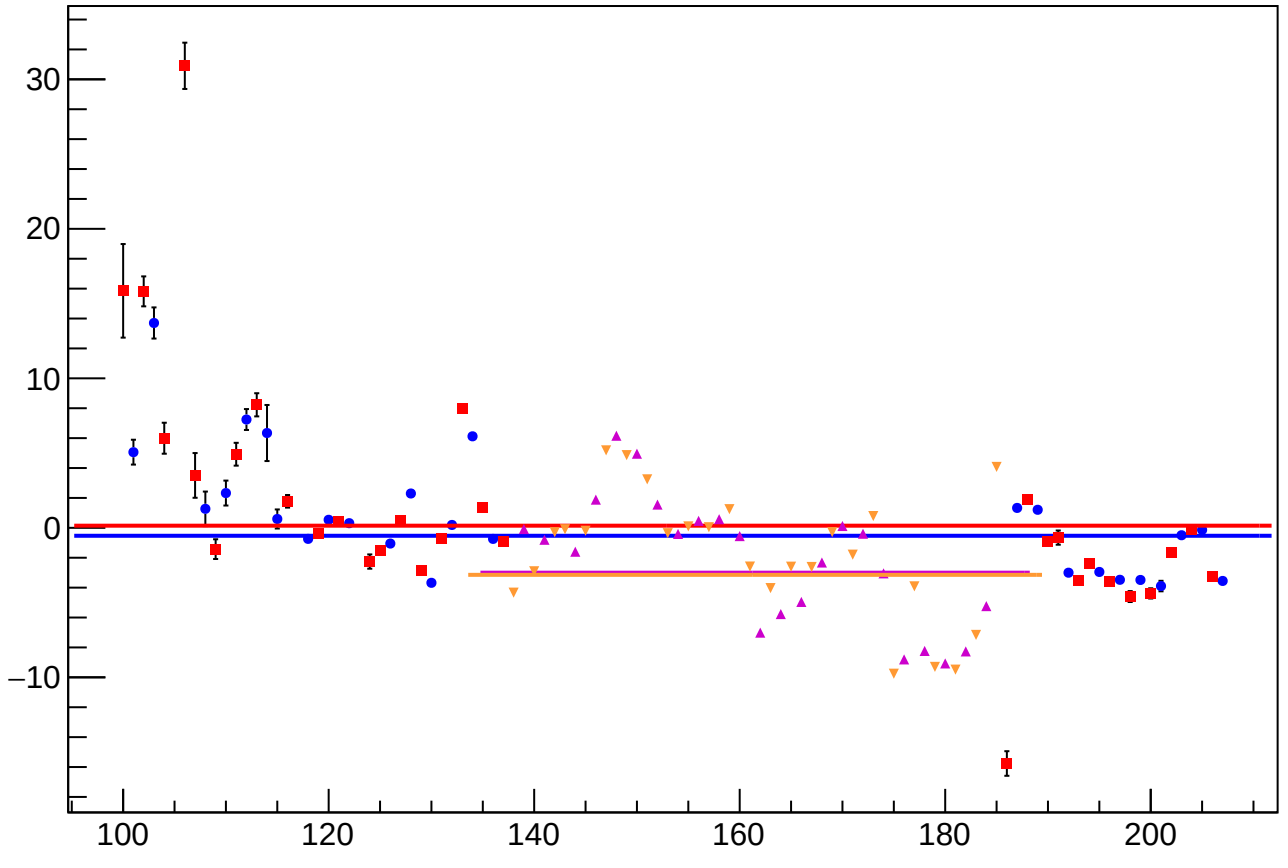
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.143+/-0.007 χ^2/NDF: 1703.7/56

In: -0.237+/-0.003 χ^2/NDF:2712.4/48

Out: -0.250+/-0.003 χ^2/NDF:2520.4/55

All: -0.244+/-0.002 χ^2/NDF: 5243.8/104



Right In: -0.531+/-0.054 χ^2/NDF: 1966.6/25

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

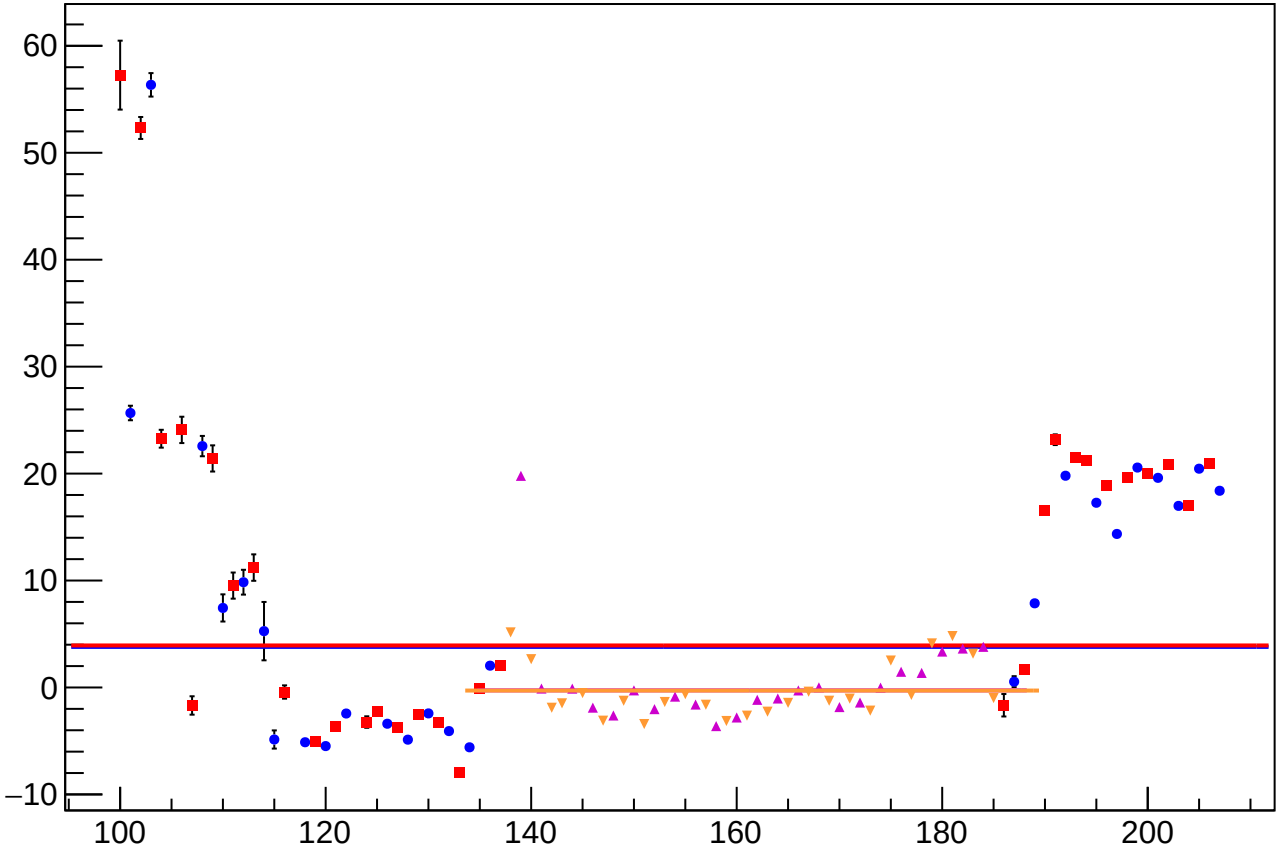
Right: -0.176+/-0.037 χ^2/NDF: 6458.9/56

In: -2.466+/-0.025 χ^2/NDF:26015.1/48

Out: -2.407+/-0.024 χ^2/NDF:32923.2/55

All: -2.436+/-0.018 χ^2/NDF: 58941.1/104

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.795+/-0.057 χ^2/NDF: 34354.1/25

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

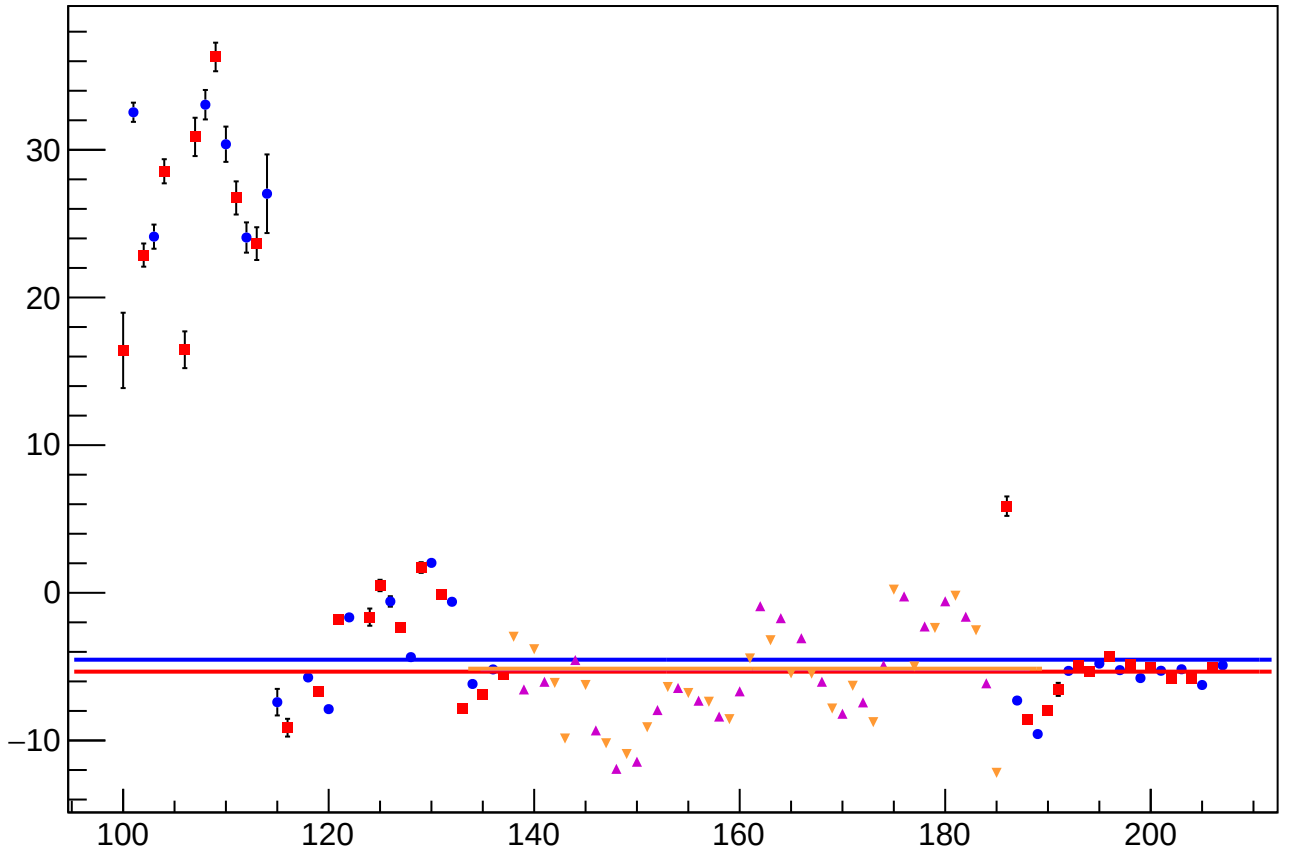
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 3.865+/-0.040 χ^2/NDF: 77690.3/56

In: 0.262+/-0.021 χ^2/NDF:51939.0/48

Out: 0.286+/-0.020 χ^2/NDF:60620.2/55

All: 0.275+/-0.015 χ^2/NDF: 112559.8/104



Right In: -4.530+/-0.054 χ^2/NDF: 9517.8/25

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

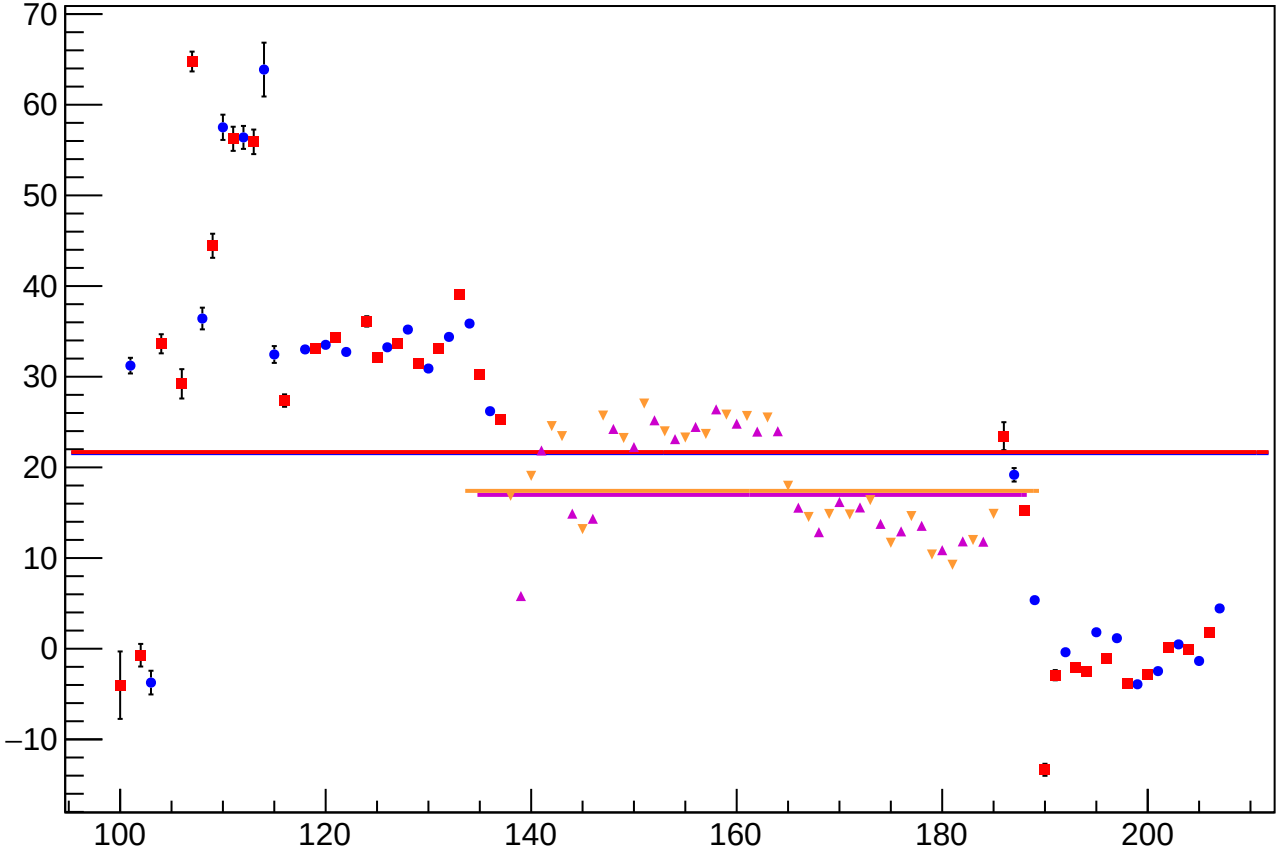
Right: -4.971+/-0.037 χ^2/NDF: 20133.1/56

In: -5.038+/-0.025 χ^2/NDF:23593.5/48

Out: -5.186+/-0.024 χ^2/NDF:25132.3/55

All: -5.115+/-0.017 χ^2/NDF: 48743.9/104

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 21.572+/-0.066 χ^2/NDF: 53516.6/25

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

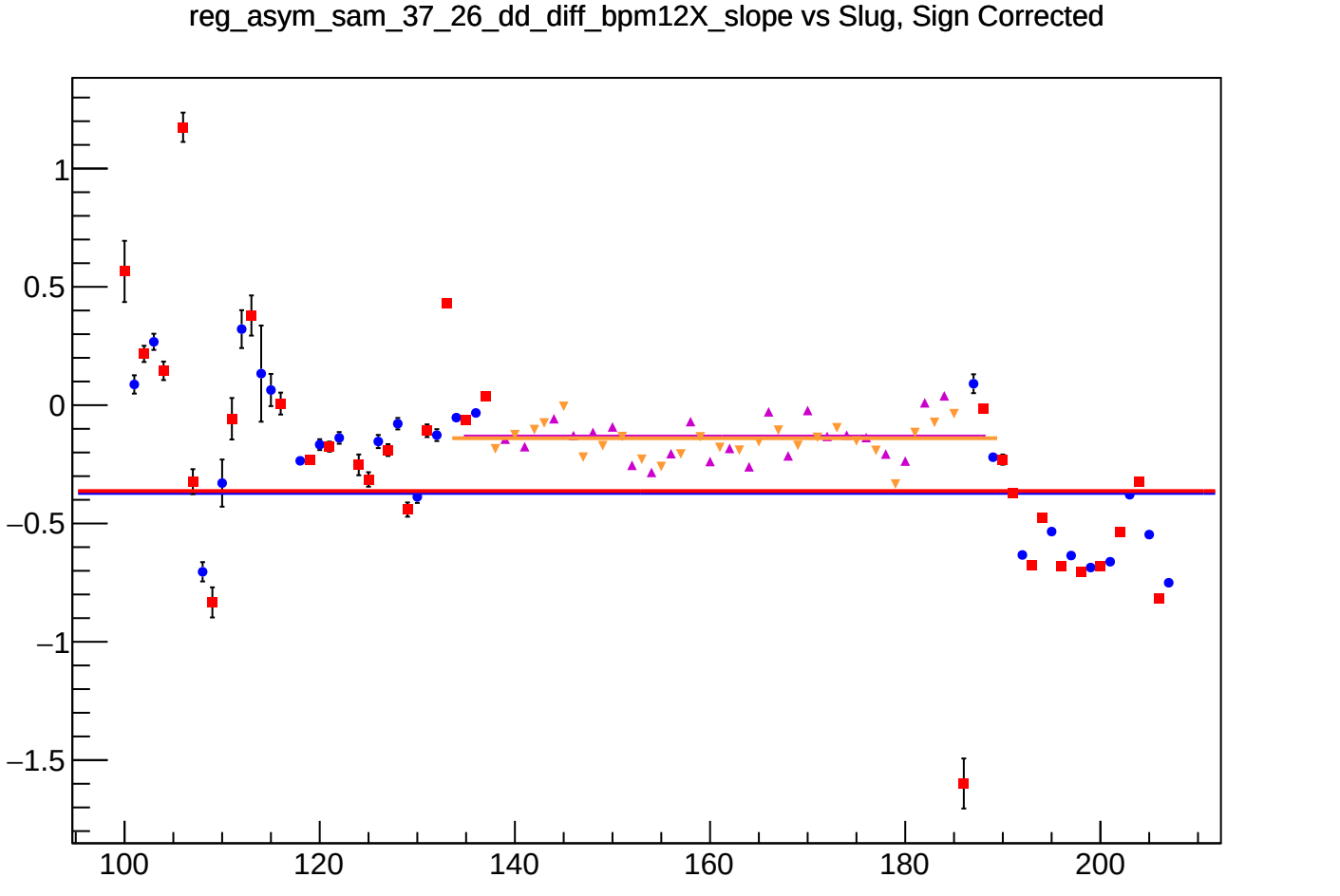
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 21.632+/-0.046 χ^2/NDF: 120931.4/56

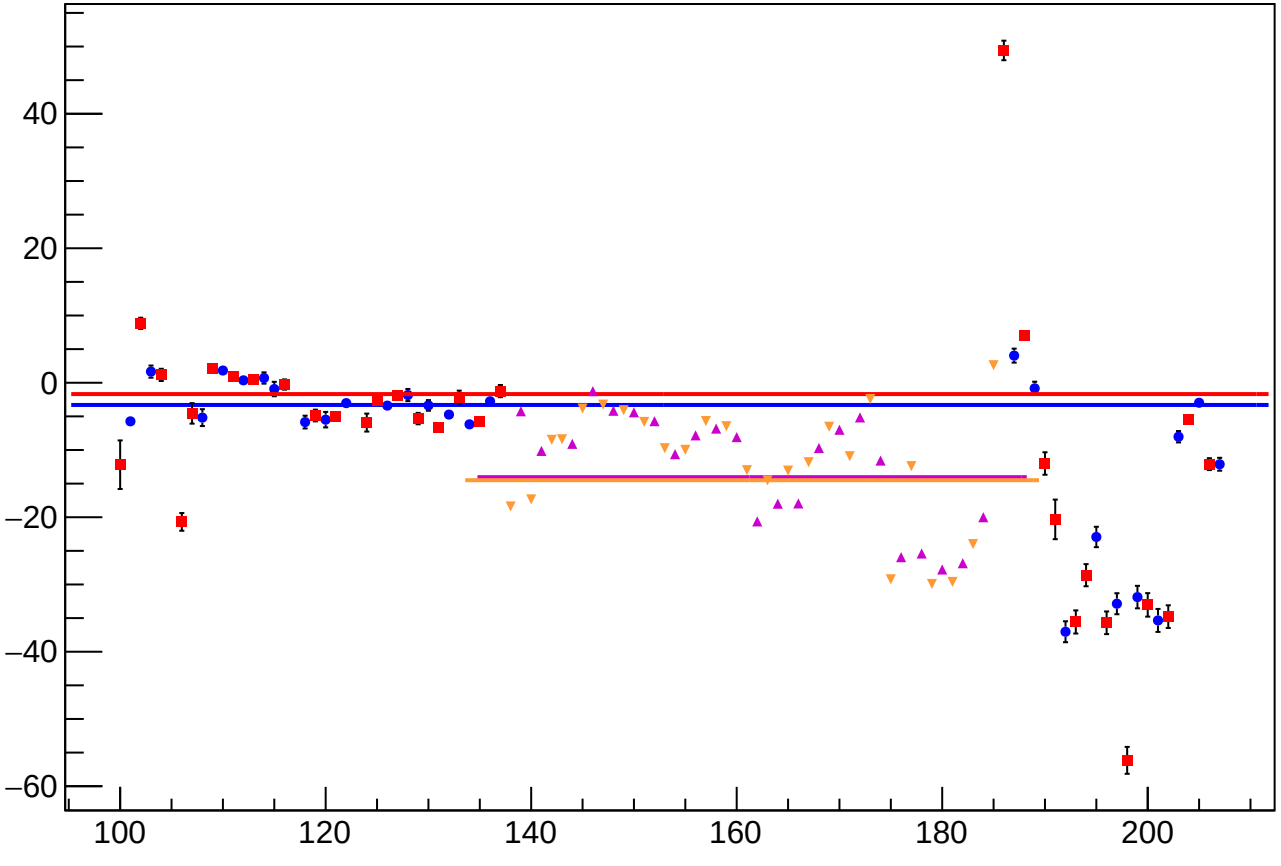
In: 17.543+/-0.023 χ^2/NDF:97693.1/48

Out: 17.947+/-0.023 χ^2/NDF:121900.0/55

All: 17.750+/-0.016 χ^2/NDF: 219746.1/104


reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug, Sign Corrected
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.371+/-0.003 χ²/NDF: 8258.4/25
Left Out: -0.140+/-0.001 χ²/NDF:4108.2/24
Right Out: -0.363+/-0.003 χ²/NDF: 12738.9/30
Left In: -0.133+/-0.001 χ²/NDF:5529.7/22
Left: -0.136+/-0.001 χ²/NDF: 9659.1/47
Right: -0.367+/-0.002 χ²/NDF: 21000.7/56
In: -0.160+/-0.001 χ²/NDF:19179.8/48
Out: -0.167+/-0.001 χ²/NDF:21944.4/55
All: -0.164+/-0.001 χ²/NDF: 41143.6/104

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.302+/-0.143 χ^2/NDF: 2199.6/25

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

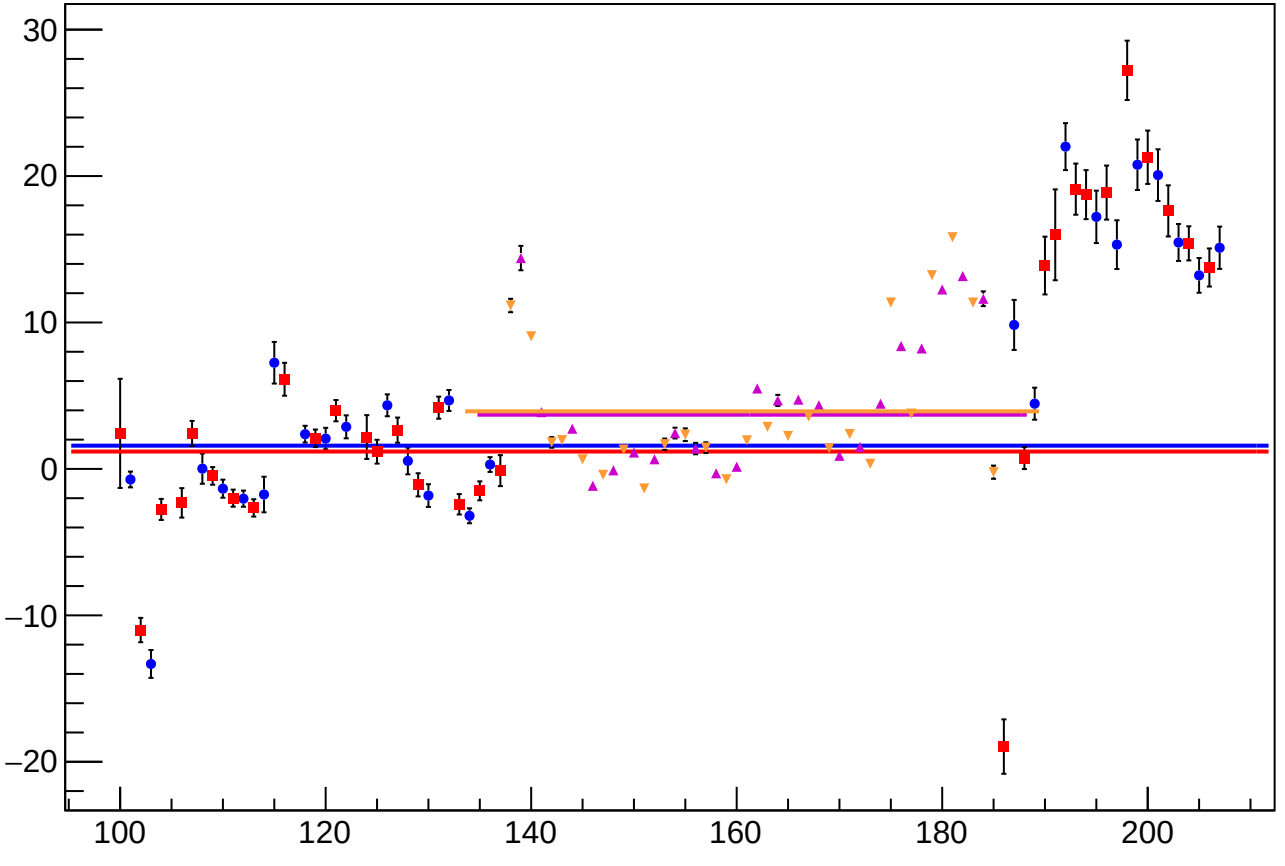
Right: -2.445+/-0.098 χ^2/NDF: 7300.1/56

In: -11.632+/-0.068 χ^2/NDF:20059.0/48

Out: -11.477+/-0.065 χ^2/NDF:29178.9/55

All: -11.552+/-0.047 χ^2/NDF: 49240.6/104

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.588+/-0.162 χ^2/NDF: 1382.0/25

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

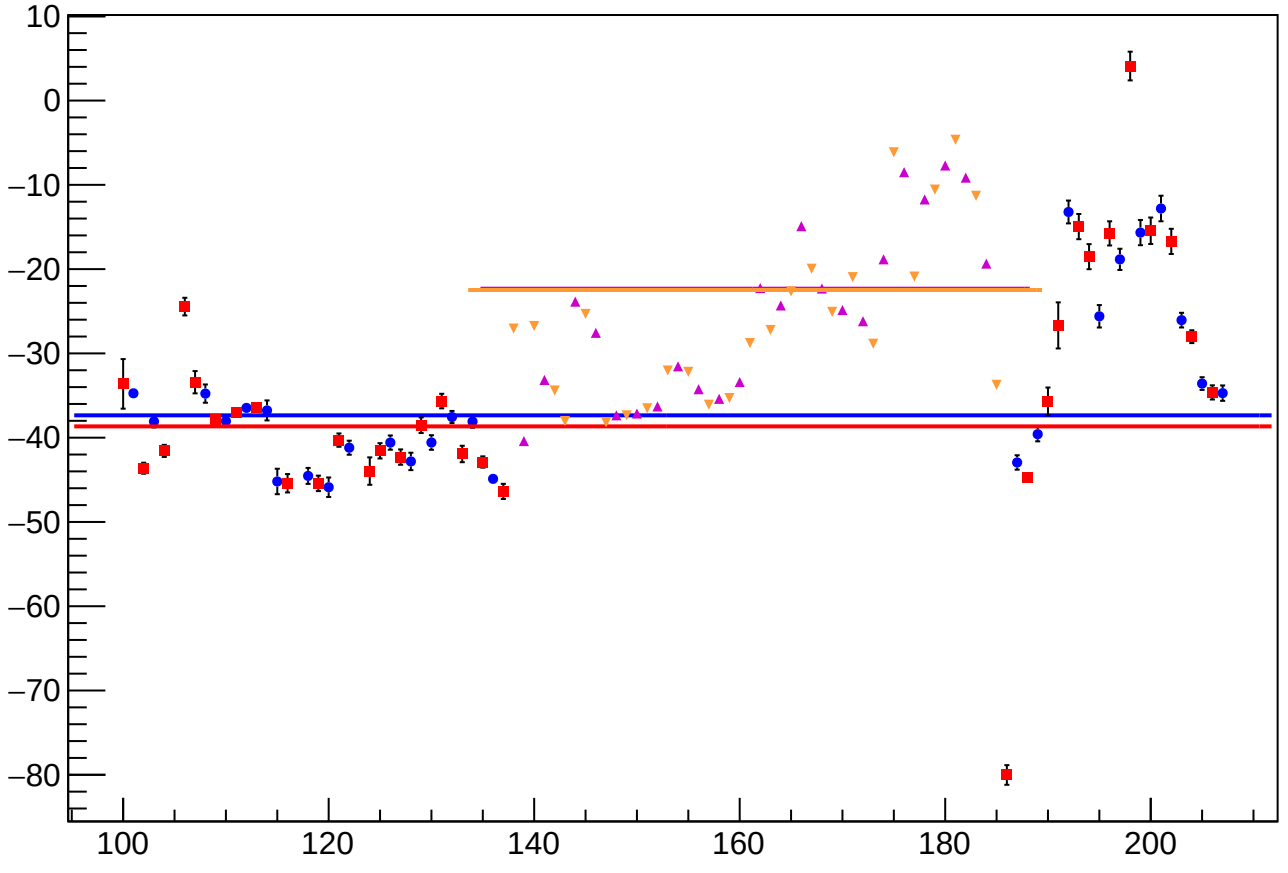
Right: 1.389+/-0.115 χ^2/NDF: 2940.3/56

In: 3.453+/-0.056 χ^2/NDF:6320.9/48

Out: 3.626+/-0.055 χ^2/NDF:8785.3/55

All: 3.541+/-0.039 χ^2/NDF: 15111.0/104

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.349+/-0.157 χ^2/NDF: 1882.6/25

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

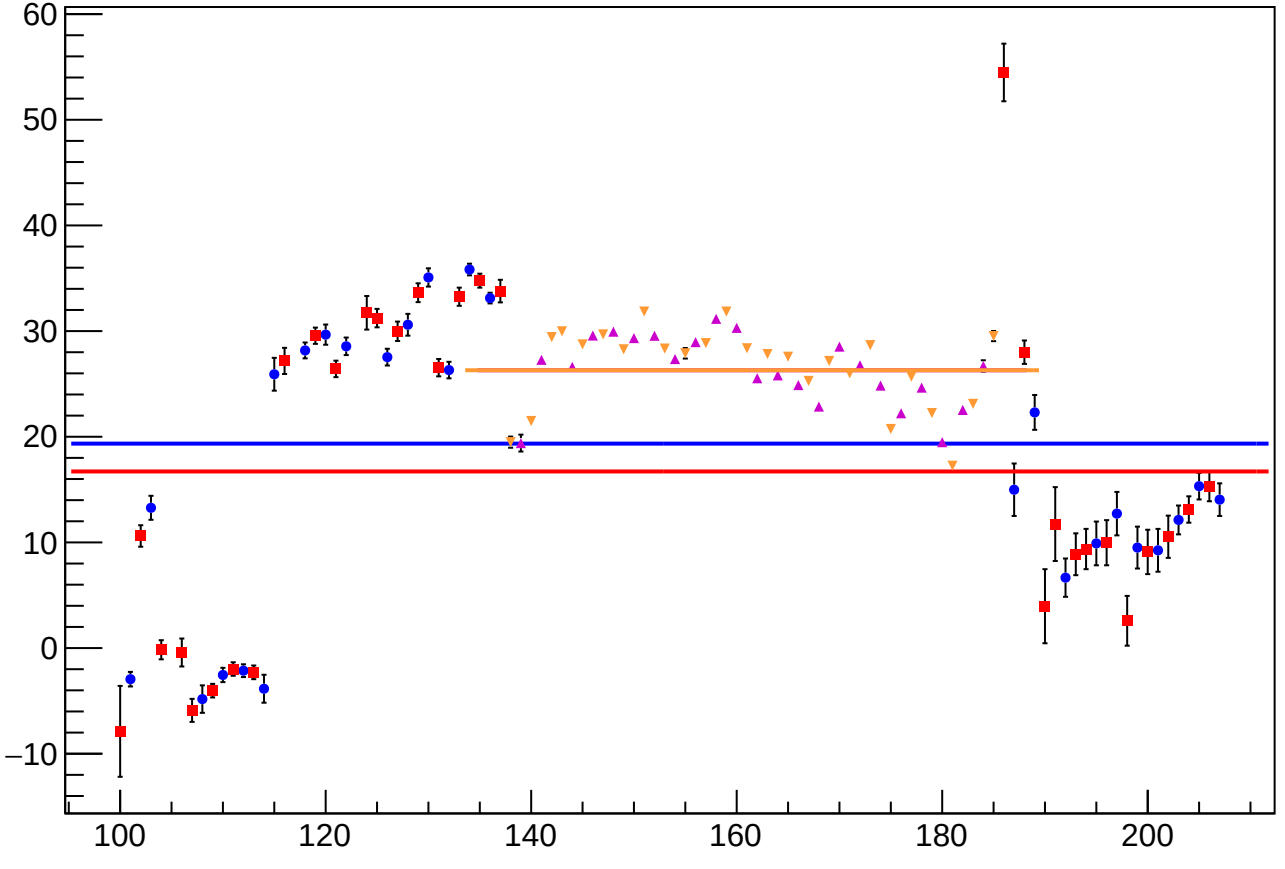
Right: -38.024+/-0.110 χ^2/NDF: 5952.3/56

In: -25.202+/-0.069 χ^2/NDF:26396.4/48

Out: -25.611+/-0.067 χ^2/NDF:33515.5/55

All: -25.411+/-0.048 χ^2/NDF: 59929.9/104

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.349+/-0.183 χ^2/NDF: 6887.0/25

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

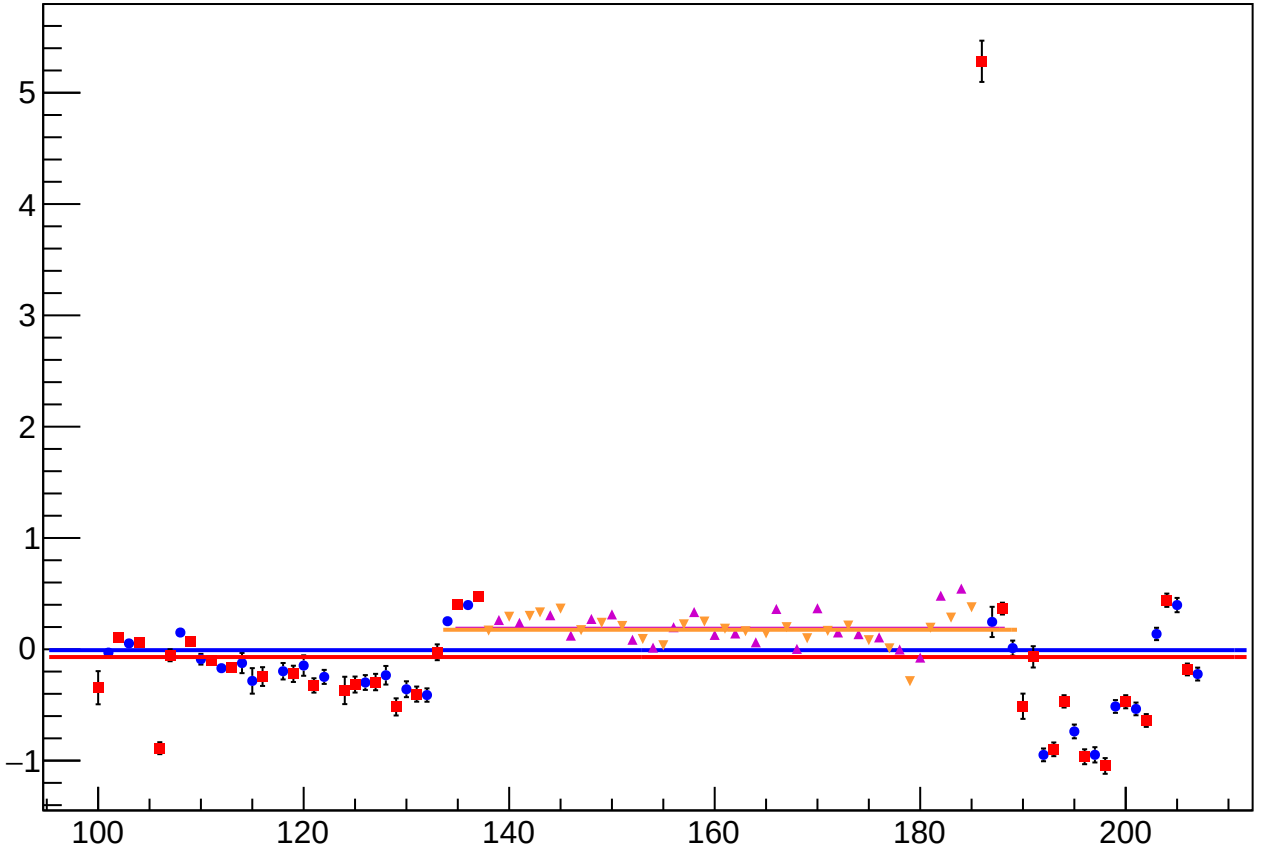
Right: 18.055+/-0.131 χ^2/NDF: 14147.4/56

In: 25.482+/-0.063 χ^2/NDF:10340.2/48

Out: 25.256+/-0.061 χ^2/NDF:12819.6/55

All: 25.366+/-0.044 χ^2/NDF: 23166.5/104

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.008+/-0.009 χ^2/NDF: 1471.9/25

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

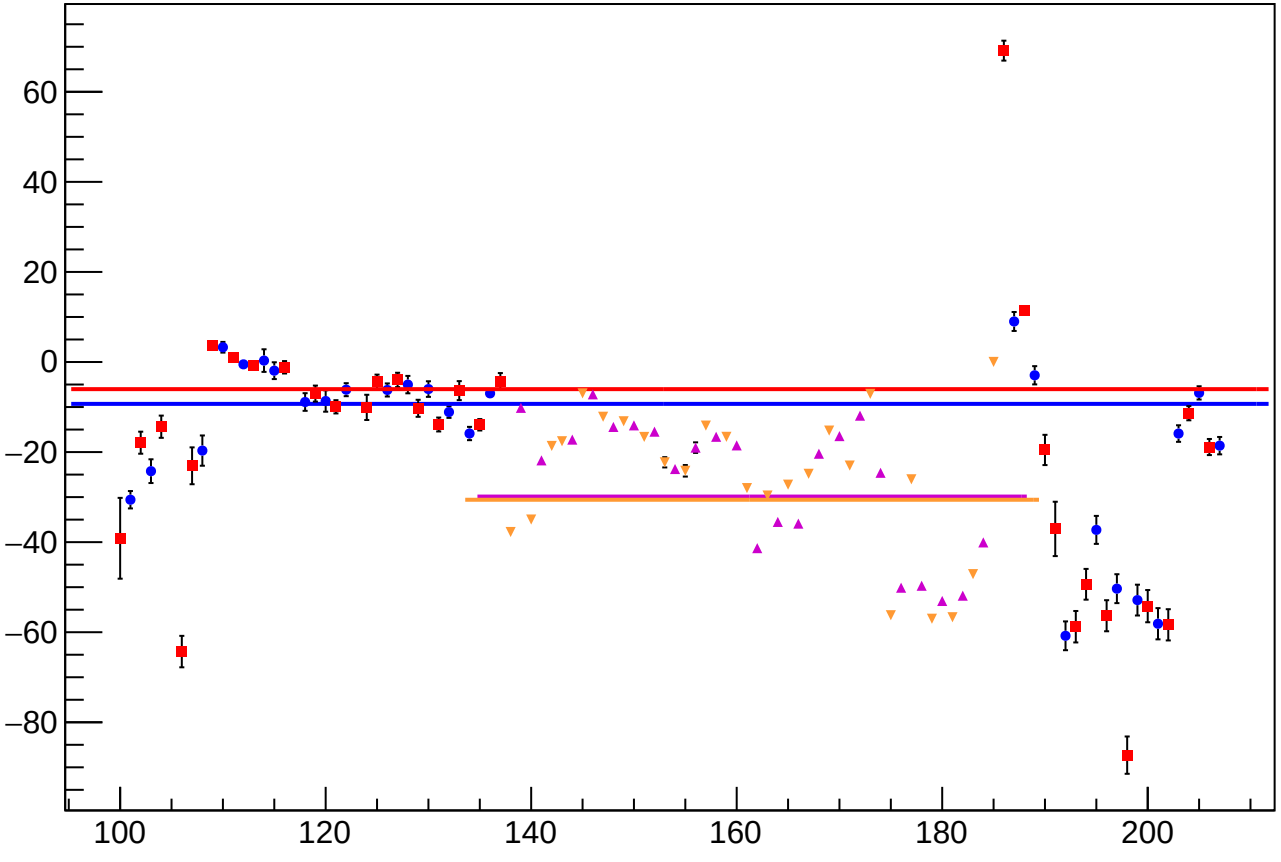
Right: -0.038+/-0.007 χ^2/NDF: 4123.0/56

In: 0.167+/-0.003 χ^2/NDF:4405.6/48

Out: 0.155+/-0.003 χ^2/NDF:5172.2/55

All: 0.161+/-0.002 χ^2/NDF: 9587.4/104

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.297+/-0.332 χ^2/NDF: 1420.6/25

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

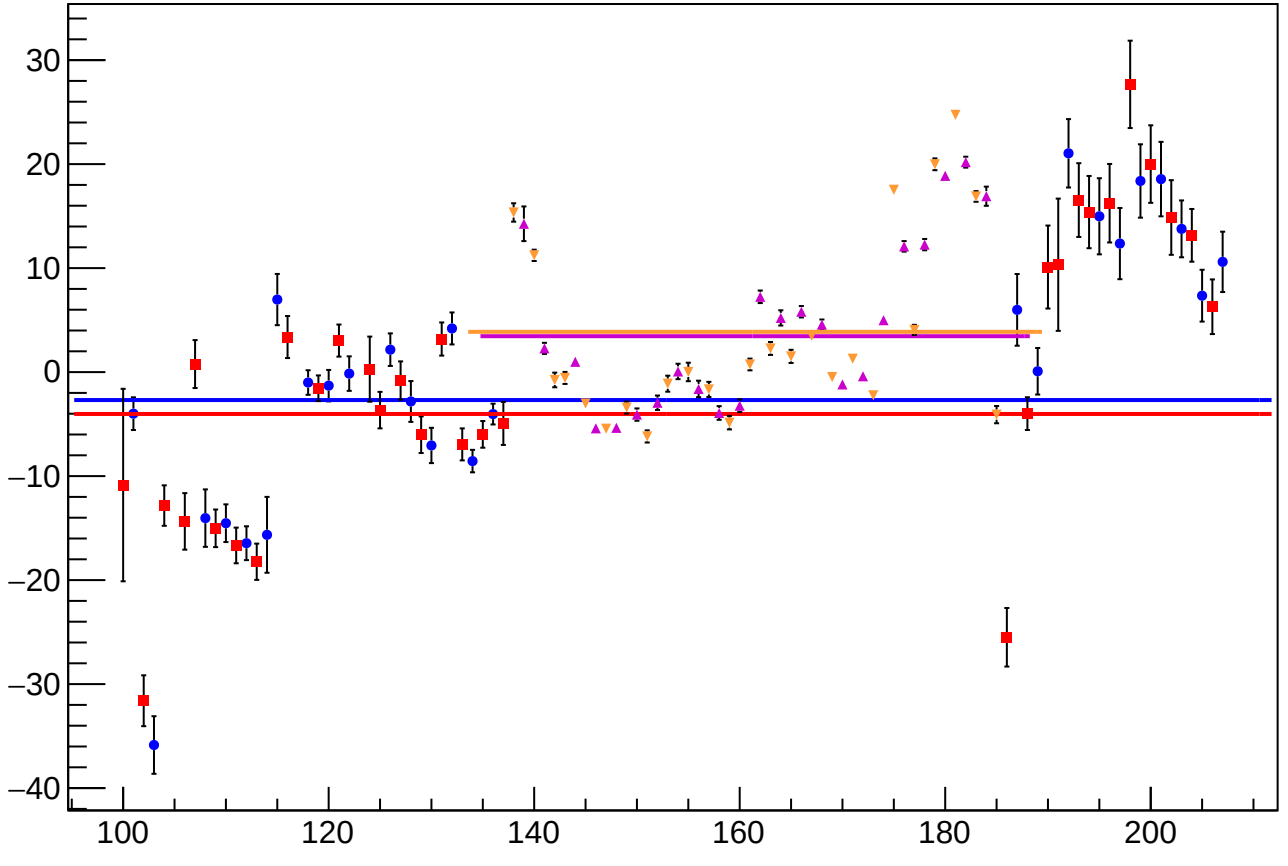
Right: -7.607+/-0.231 χ^2/NDF: 4976.5/56

In: -26.542+/-0.134 χ^2/NDF:16666.9/48

Out: -26.577+/-0.130 χ^2/NDF:24427.6/55

All: -26.560+/-0.093 χ^2/NDF: 41094.6/104

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.688+/-0.365 χ^2/NDF: 623.0/25

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

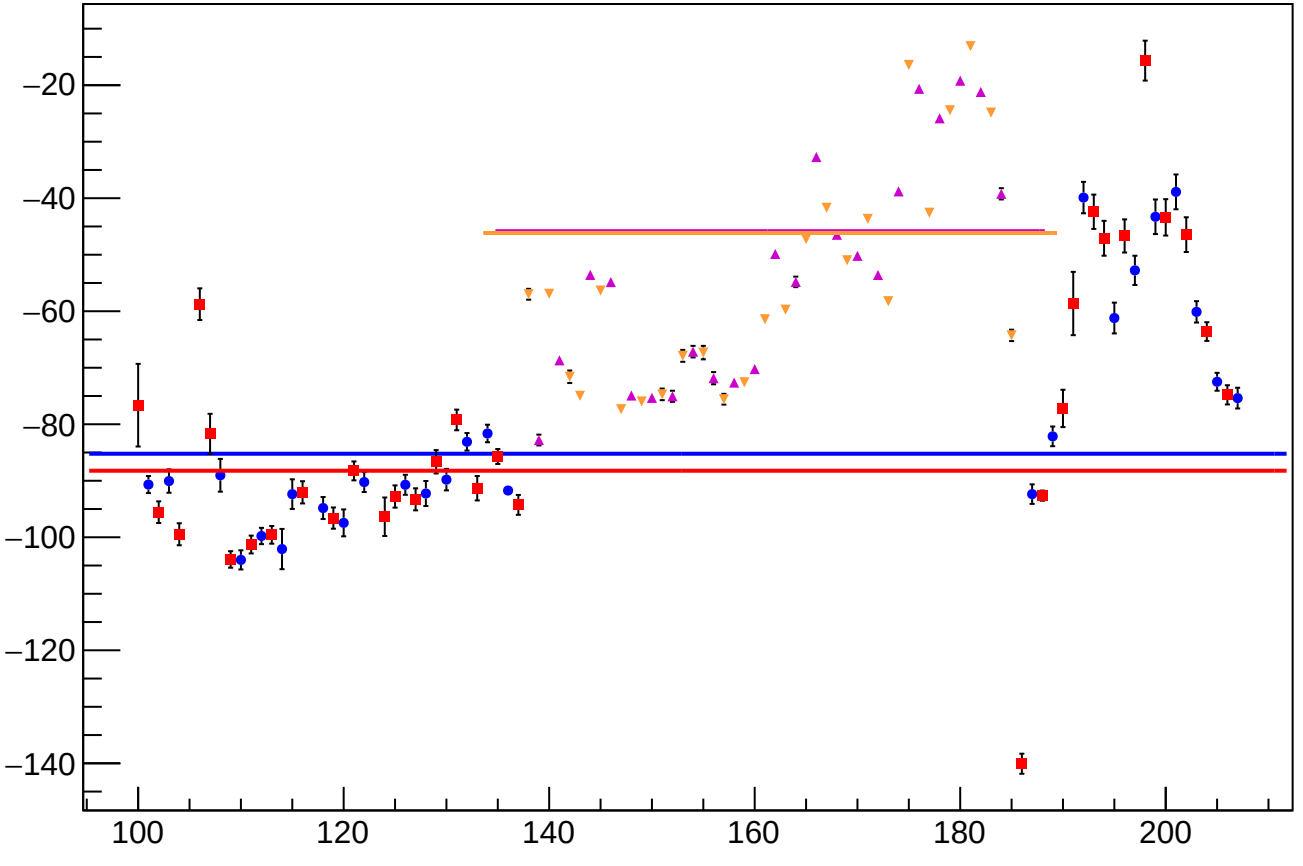
Right: -3.339+/-0.261 χ^2/NDF: 1382.2/56

In: 2.910+/-0.109 χ^2/NDF:5574.7/48

Out: 3.234+/-0.107 χ^2/NDF:7703.0/55

All: 3.075+/-0.076 χ^2/NDF: 13282.2/104

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -85.217+/-0.358 χ^2/NDF: 1626.8/25

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

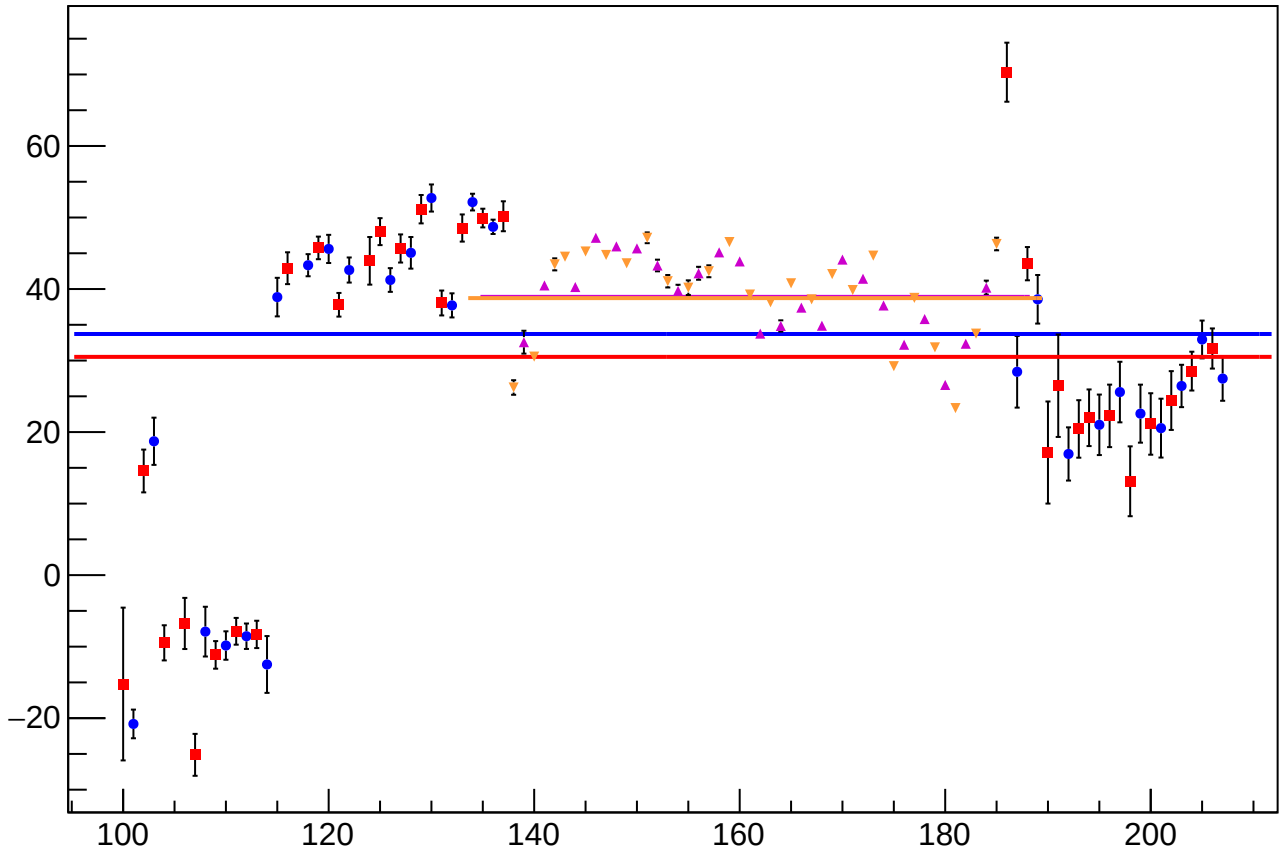
Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

Right: -86.755+/-0.250 χ^2/NDF: 4752.5/56

In: -51.463+/-0.135 χ^2/NDF:29951.8/48

Out: -52.143+/-0.132 χ^2/NDF:36972.2/55

All: -51.812+/-0.094 χ^2/NDF: 66937.0/104



Right In: 33.713+/-0.411 χ^2/NDF: 2878.5/25

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

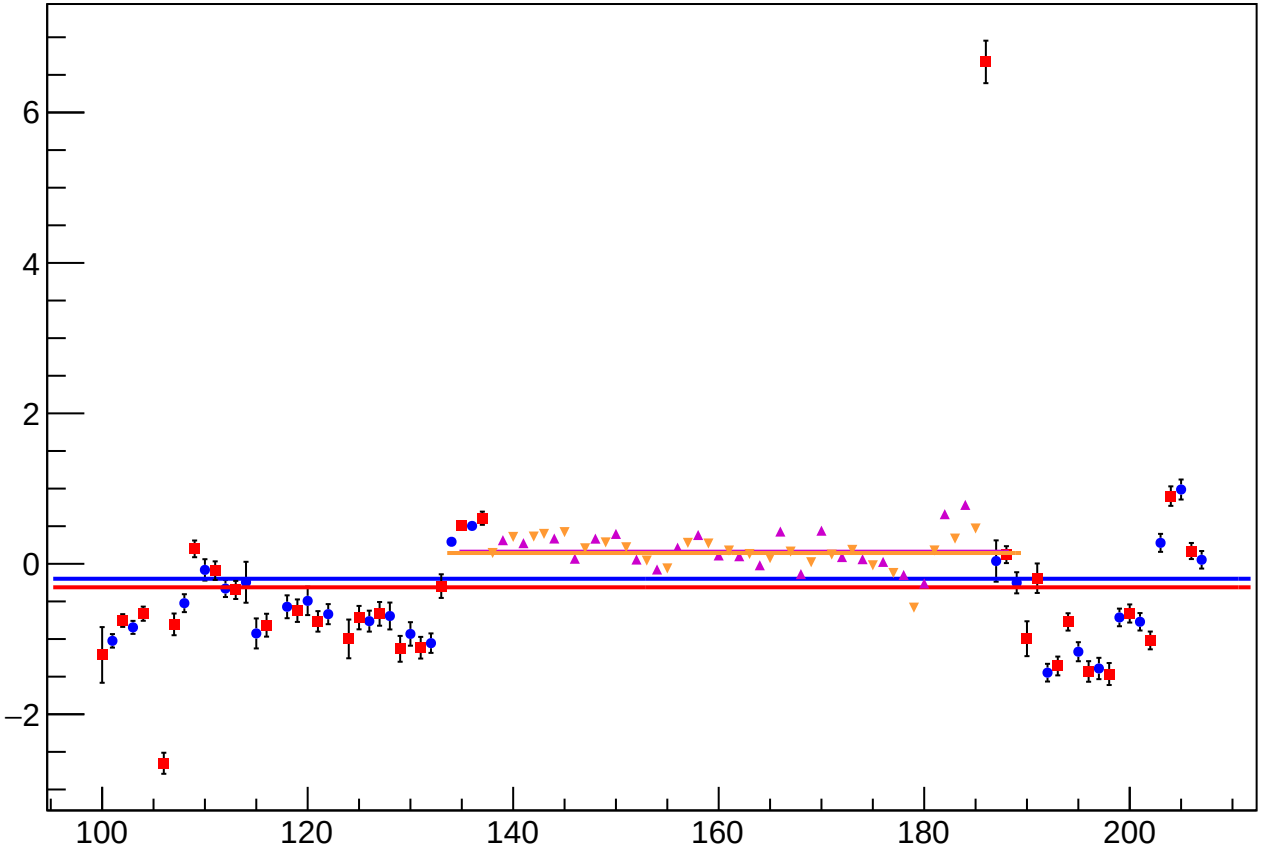
Right: 32.178+/-0.297 χ^2/NDF: 5982.0/56

In: 38.450+/-0.122 χ^2/NDF:4995.5/48

Out: 38.089+/-0.120 χ^2/NDF:6196.0/55

All: 38.266+/-0.085 χ^2/NDF: 11196.0/104

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.199+/-0.021 χ^2/NDF: 1034.7/25

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

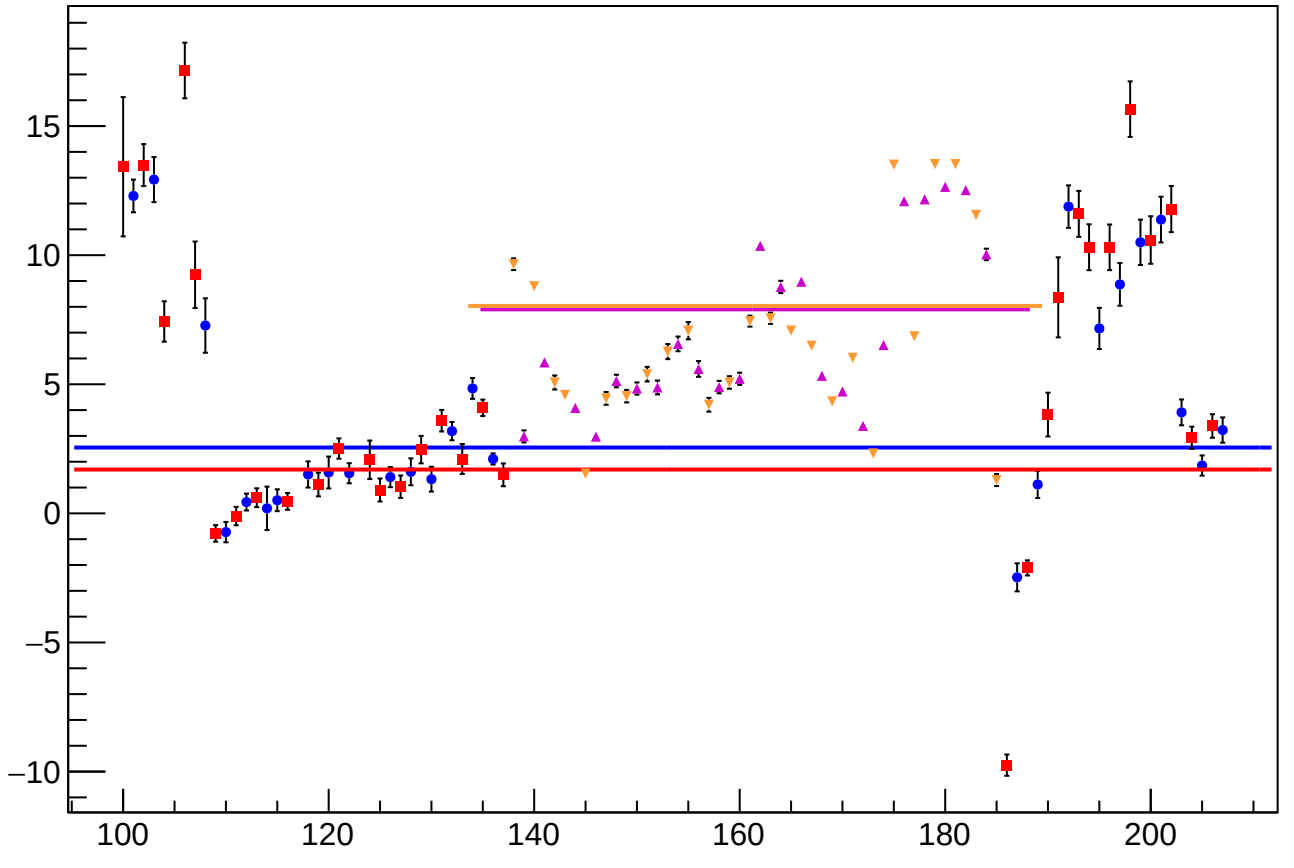
Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

Right: -0.253+/-0.015 χ^2/NDF: 2876.2/56

In: 0.136+/-0.005 χ^2/NDF:3233.8/48

Out: 0.116+/-0.005 χ^2/NDF:3680.5/55

All: 0.126+/-0.004 χ^2/NDF: 6921.4/104



Right In: 2.550+/-0.091 χ^2/NDF: 1118.7/25

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

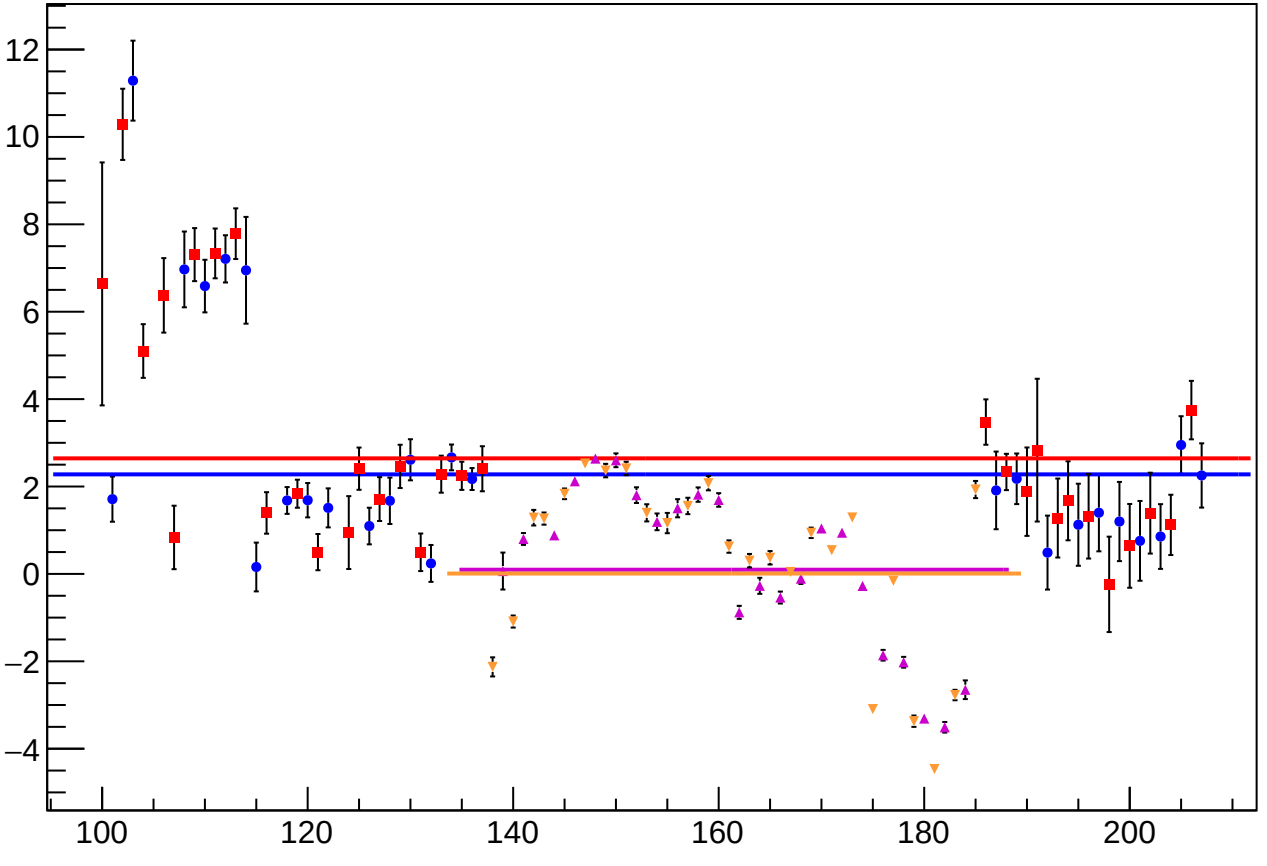
Right: 2.112+/-0.064 χ^2/NDF: 3572.4/56

In: 7.192+/-0.033 χ^2/NDF:14106.7/48

Out: 7.195+/-0.032 χ^2/NDF:20741.1/55

All: 7.193+/-0.023 χ^2/NDF: 34847.8/104

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.278+/-0.099 χ^2/NDF: 351.2/25

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

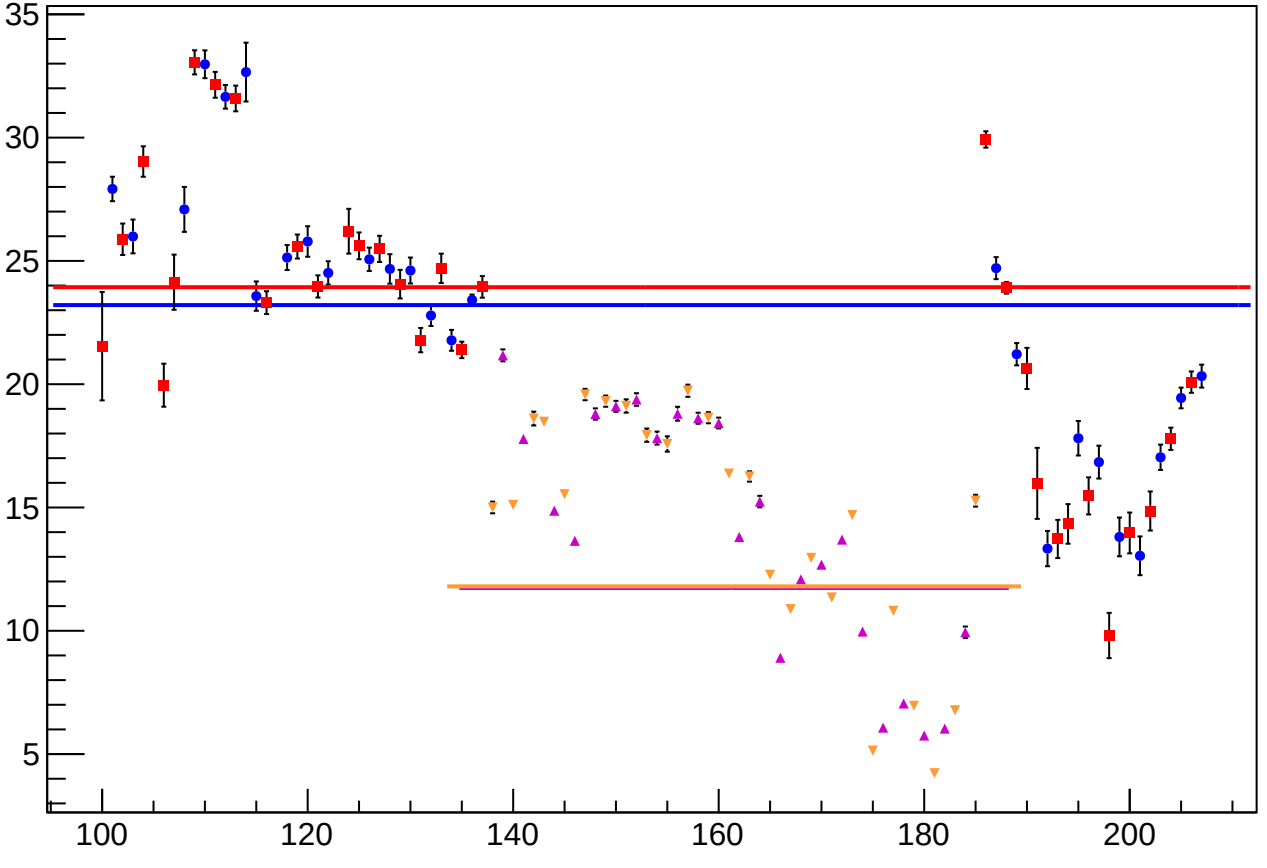
Right: 2.456+/-0.071 χ^2/NDF: 800.0/56

In: 0.259+/-0.027 χ^2/NDF:5232.3/48

Out: 0.187+/-0.027 χ^2/NDF:6826.8/55

All: 0.222+/-0.019 χ^2/NDF: 12062.6/104

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.208+/-0.097 χ^2/NDF: 1826.7/25

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

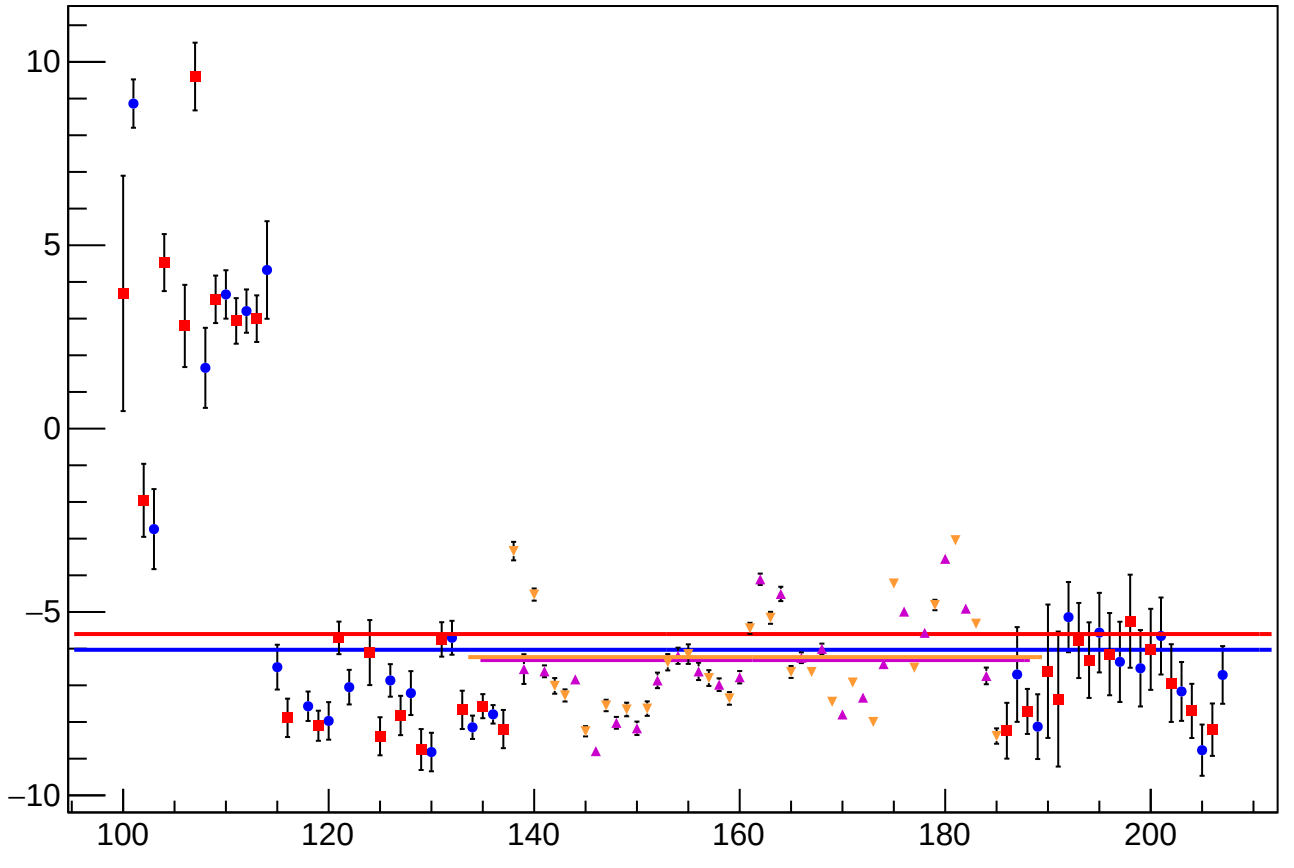
Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

Right: 23.583+/-0.068 χ^2/NDF: 4475.1/56

In: 13.107+/-0.034 χ^2/NDF:32098.5/48

Out: 13.270+/-0.033 χ^2/NDF:38769.4/55

All: 13.191+/-0.023 χ^2/NDF: 70880.1/104



Right In: -6.031+/-0.112 χ^2/NDF: 1278.6/25

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

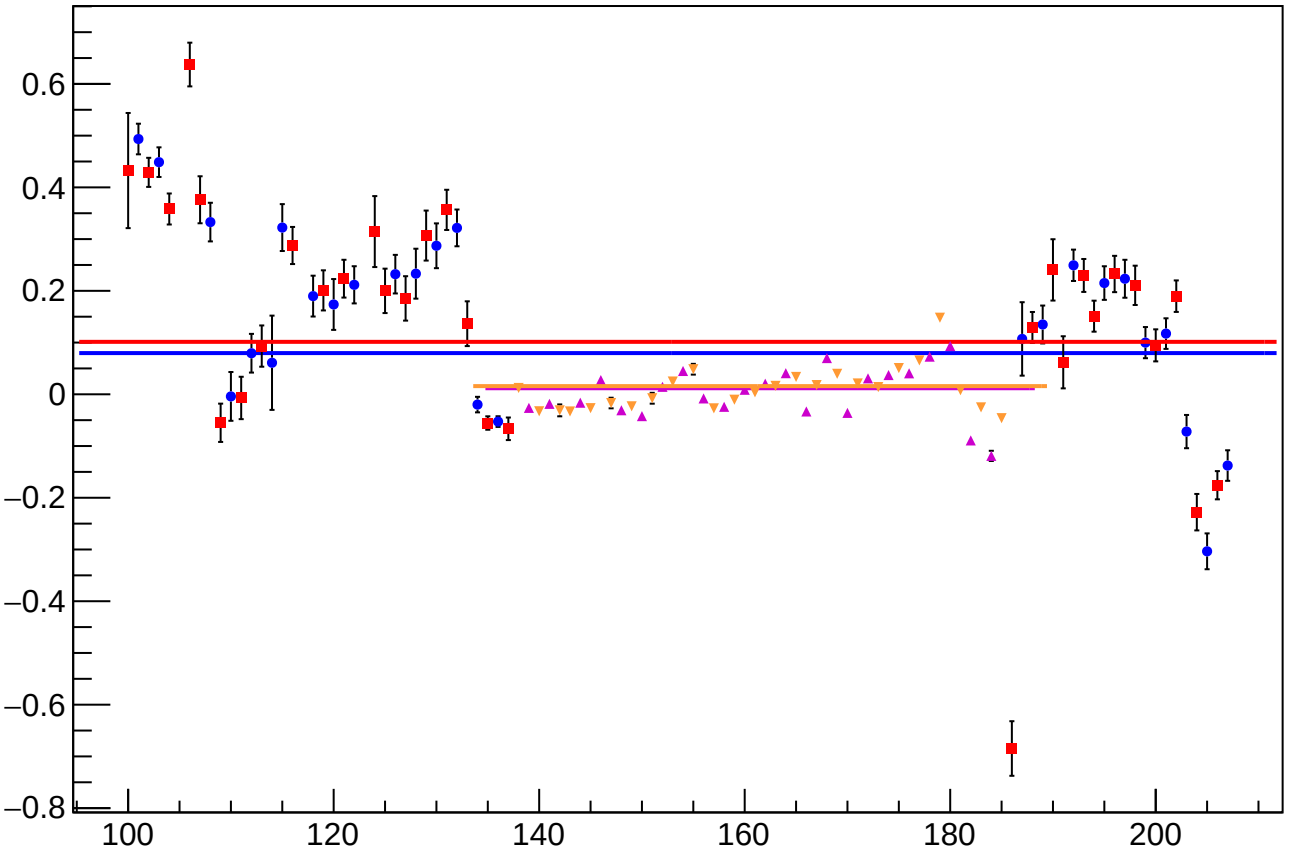
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.826+/-0.081 χ^2/NDF: 2635.1/56

In: -6.291+/-0.030 χ^2/NDF:3314.6/48

Out: -6.190+/-0.030 χ^2/NDF:3826.6/55

All: -6.239+/-0.021 χ^2/NDF: 7146.9/104



Right In: 0.080+/-0.006 χ^2/NDF: 1036.9/25

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

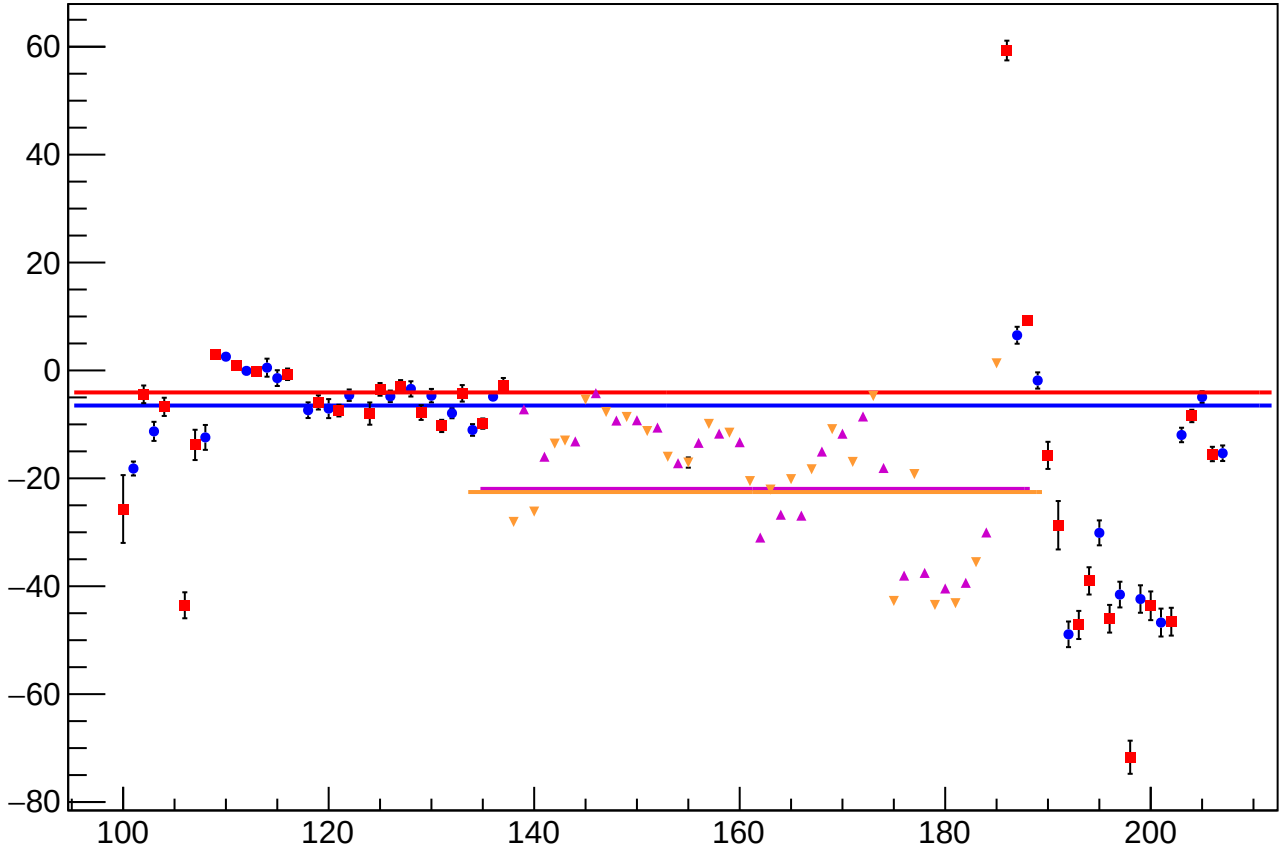
Right: 0.090+/-0.004 χ^2/NDF: 2284.7/56

In: 0.016+/-0.001 χ^2/NDF:2473.1/48

Out: 0.020+/-0.001 χ^2/NDF:2373.2/55

All: 0.018+/-0.001 χ^2/NDF: 4851.8/104

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -6.504+/-0.239 χ^2/NDF: 1602.3/25

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

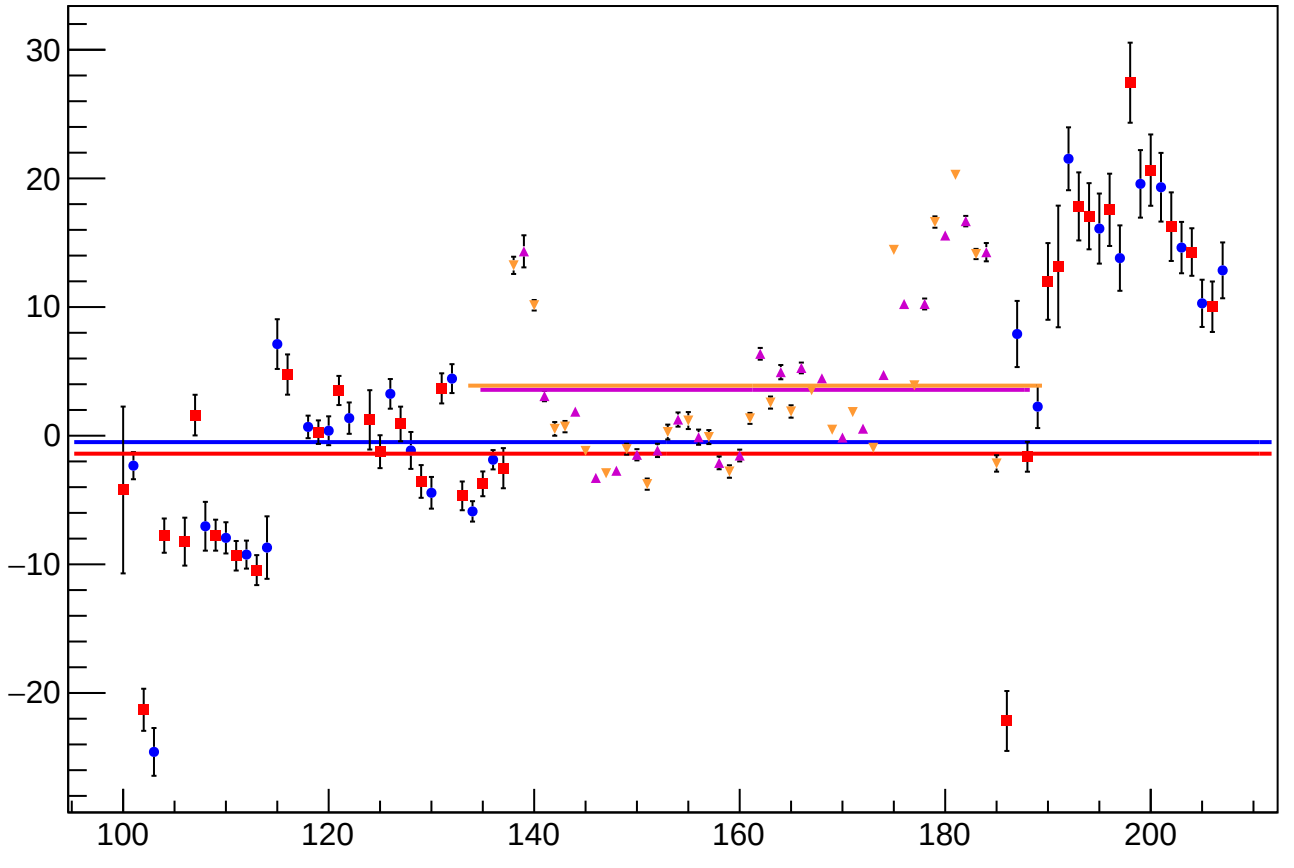
Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

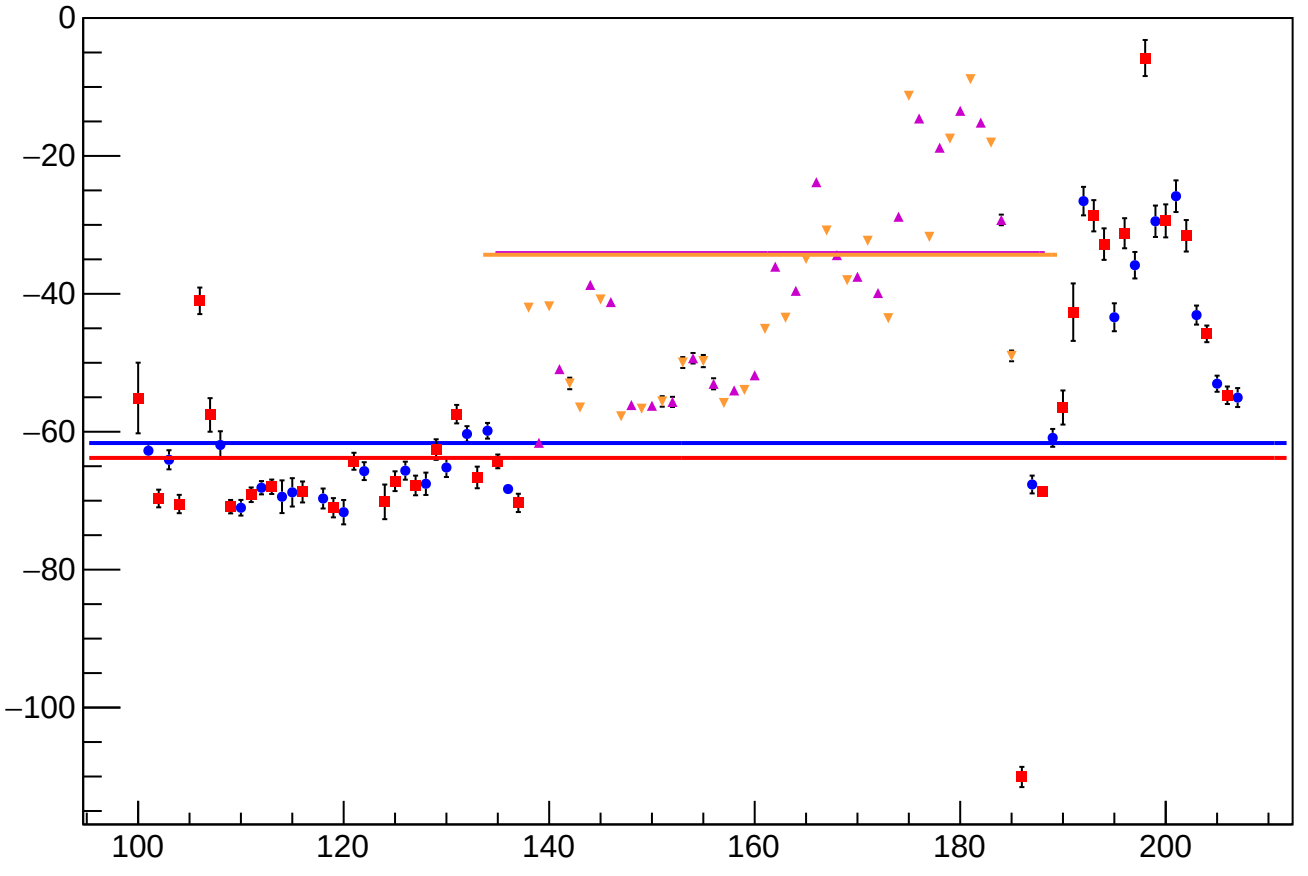
Right: -5.244+/-0.166 χ^2/NDF: 5563.0/56

In: -19.215+/-0.101 χ^2/NDF:17616.0/48

Out: -19.204+/-0.098 χ^2/NDF:25714.4/55

All: -19.209+/-0.070 χ^2/NDF: 43330.4/104


reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -0.499+/-0.265 χ²/NDF: 813.4/25
Left Out: 3.891+/-0.084 χ²/NDF:6724.1/24
Right Out: -1.398+/-0.271 χ²/NDF: 960.6/30
Left In: 3.565+/-0.086 χ²/NDF:4739.4/22
Left: 3.732+/-0.060 χ²/NDF: 11470.7/47
Right: -0.938+/-0.189 χ²/NDF: 1779.6/56
In: 3.176+/-0.082 χ²/NDF:5765.8/48
Out: 3.424+/-0.080 χ²/NDF:8032.5/55
All: 3.303+/-0.057 χ²/NDF: 13803.0/104



Right In: -61.639+/-0.259 χ^2/NDF: 1623.1/25

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

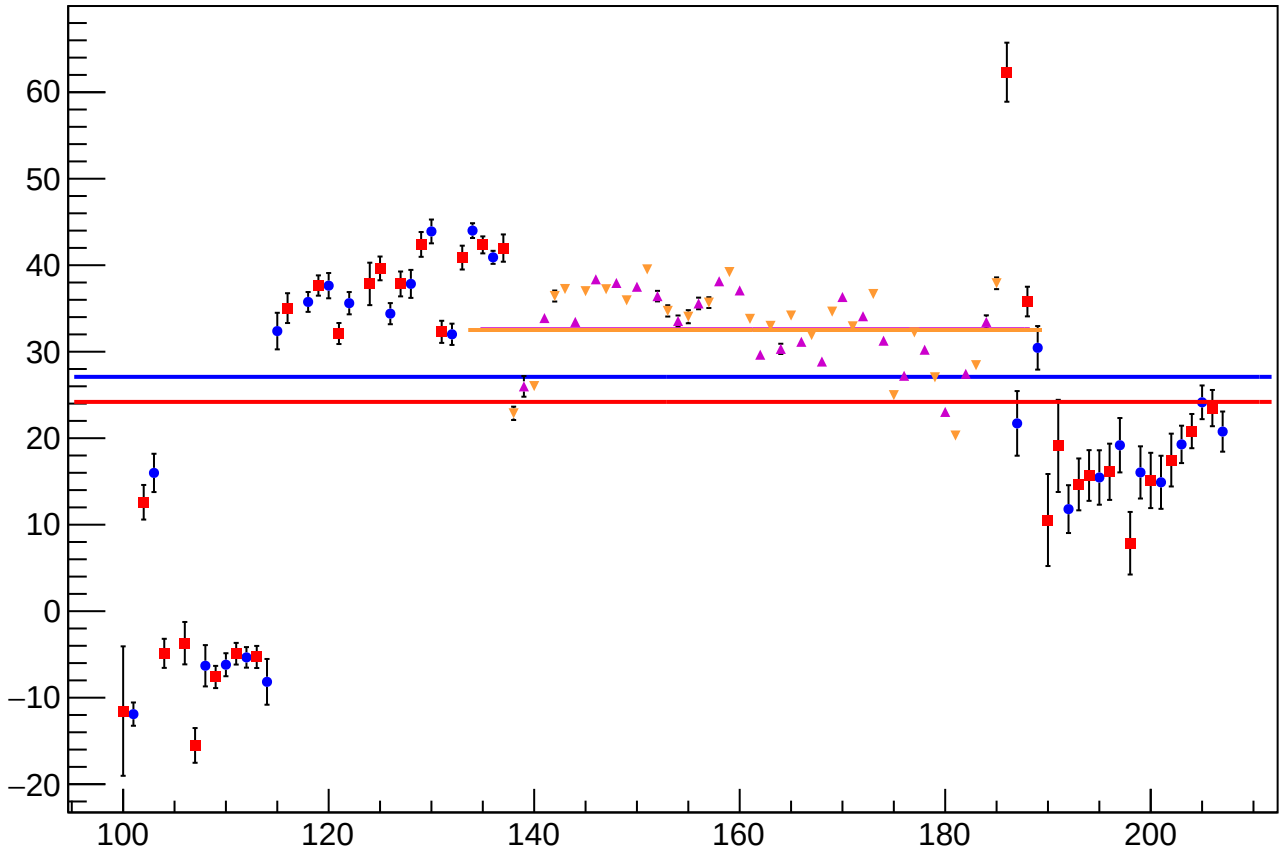
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -62.743+/-0.181 χ^2/NDF: 4959.2/56

In: -38.364+/-0.102 χ^2/NDF:28911.8/48

Out: -38.894+/-0.100 χ^2/NDF:35962.6/55

All: -38.635+/-0.071 χ^2/NDF: 64888.2/104



Right In: 27.093+/-0.299 χ^2/NDF: 3844.2/25

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

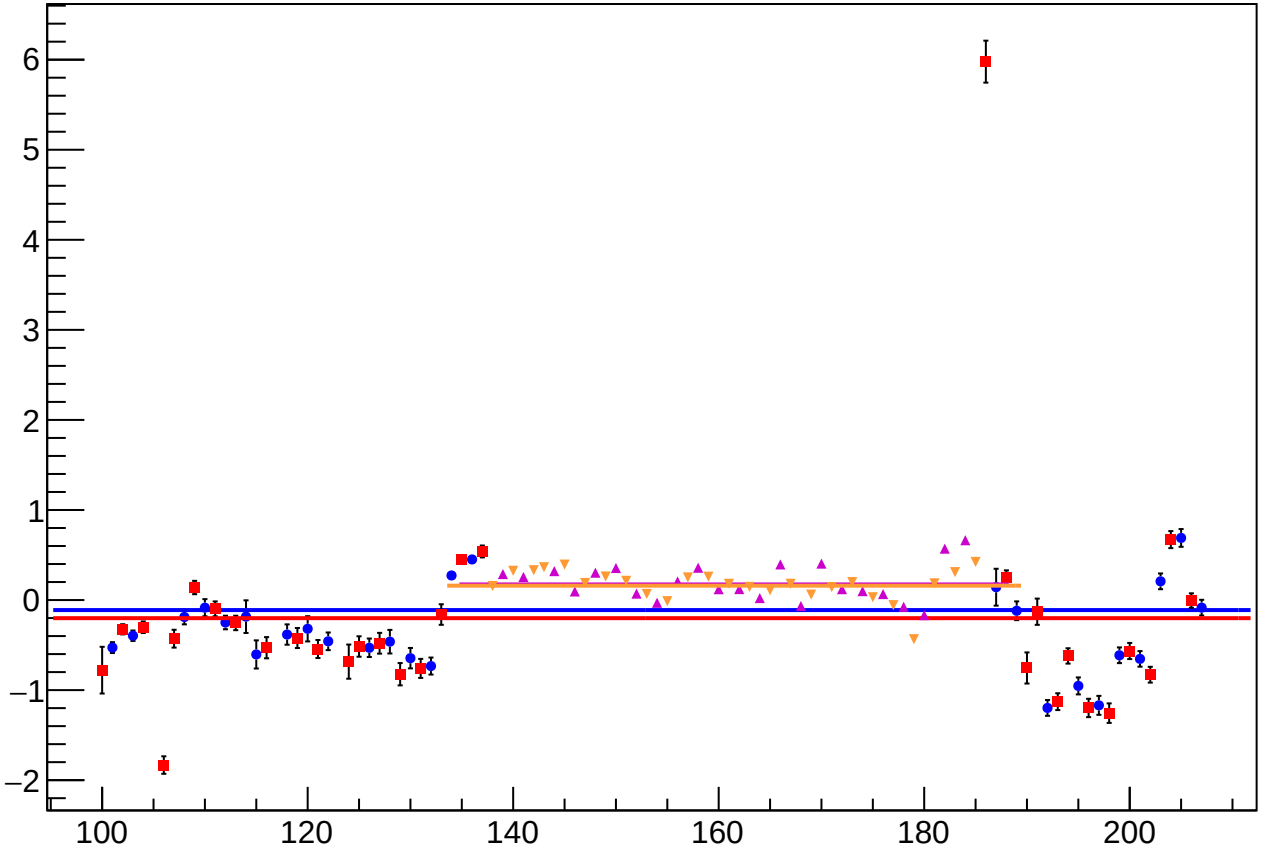
Right: 25.694+/-0.215 χ^2/NDF: 7970.3/56

In: 32.075+/-0.092 χ^2/NDF:6164.6/48

Out: 31.800+/-0.090 χ^2/NDF:7680.1/55

All: 31.935+/-0.064 χ^2/NDF: 13849.3/104

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.111+/-0.015 χ^2/NDF: 1110.0/25

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

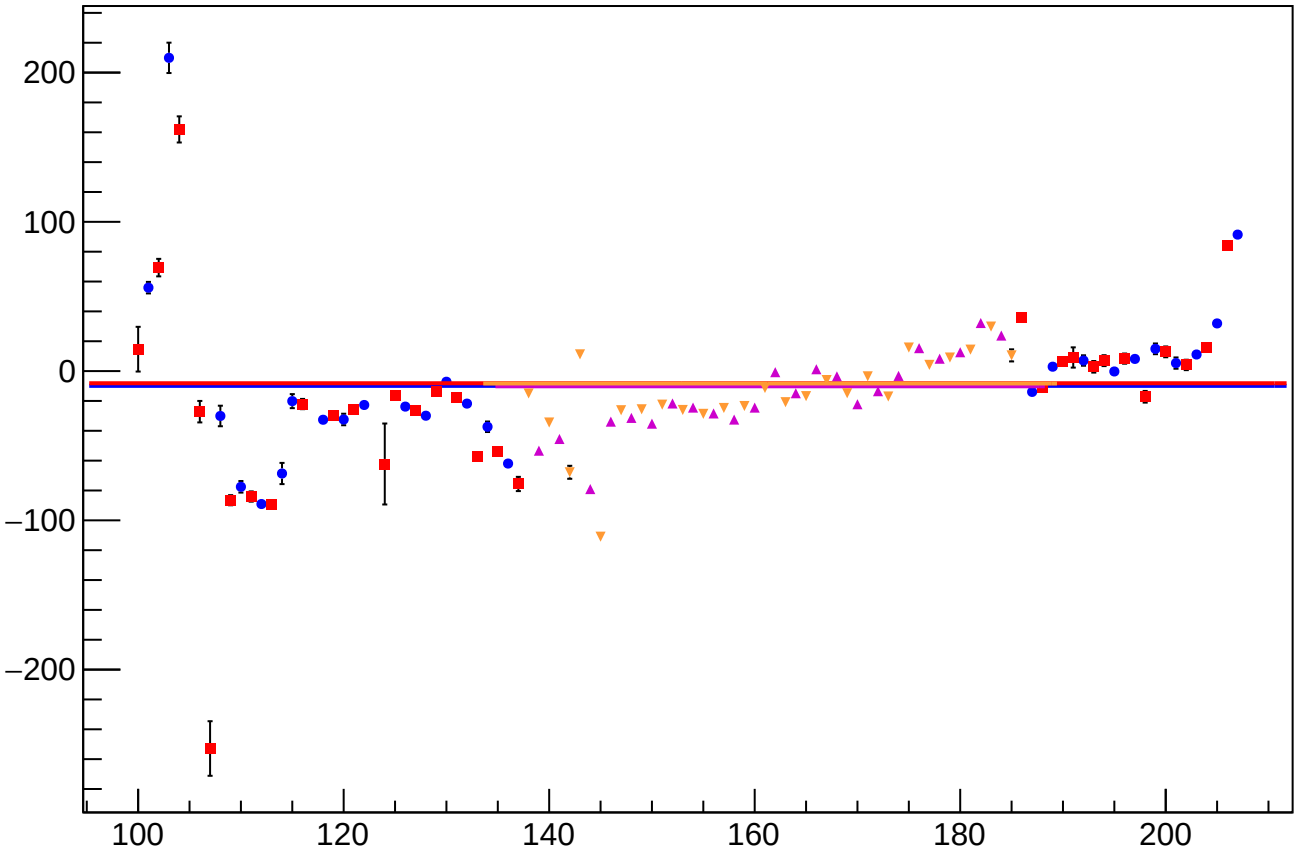
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.154+/-0.011 χ^2/NDF: 3173.3/56

In: 0.152+/-0.004 χ^2/NDF:3569.4/48

Out: 0.135+/-0.004 χ^2/NDF:4147.9/55

All: 0.143+/-0.003 χ^2/NDF: 7725.0/104



Right In: -9.895+/-0.603 χ^2/NDF: 4322.5/25

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

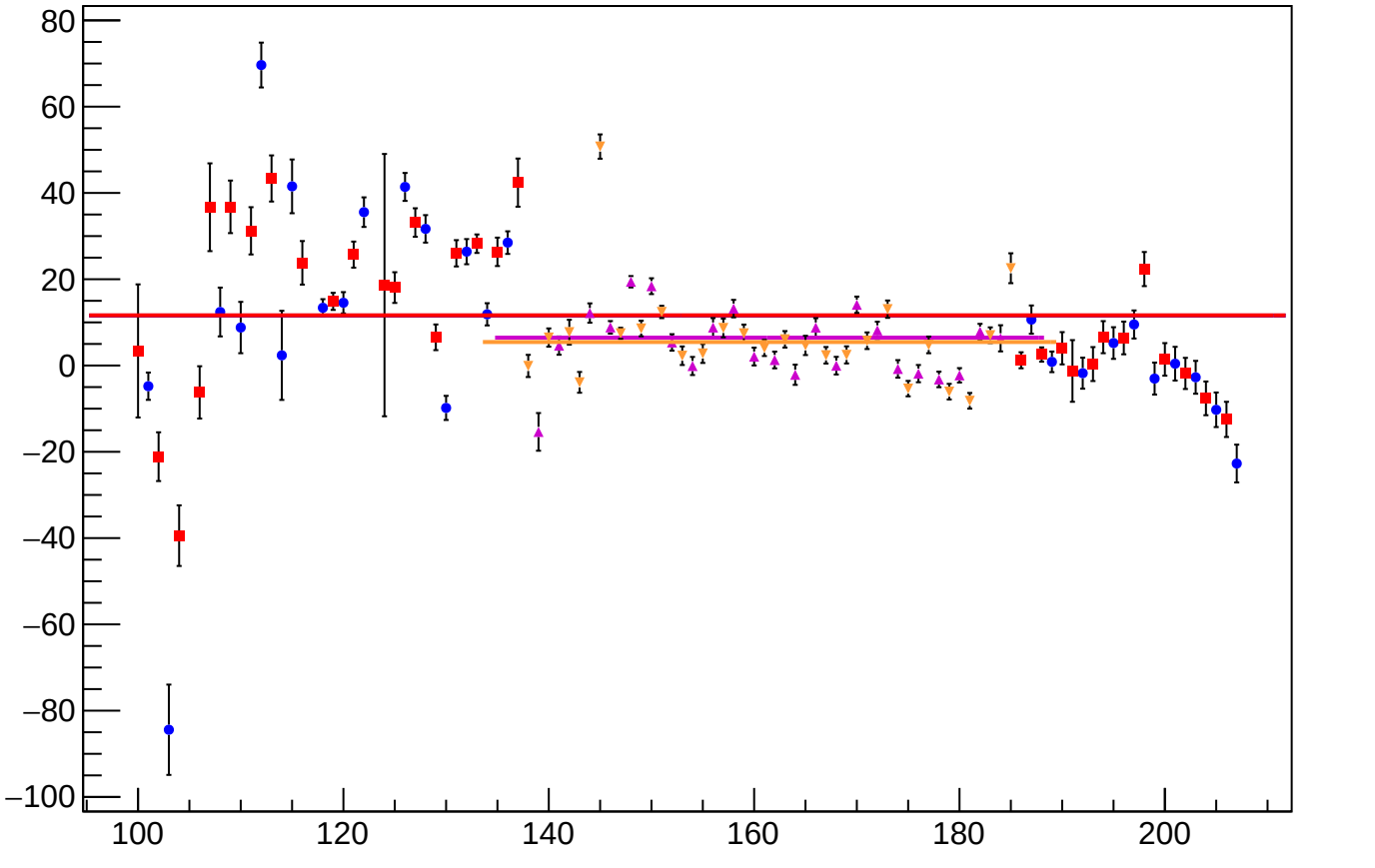
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

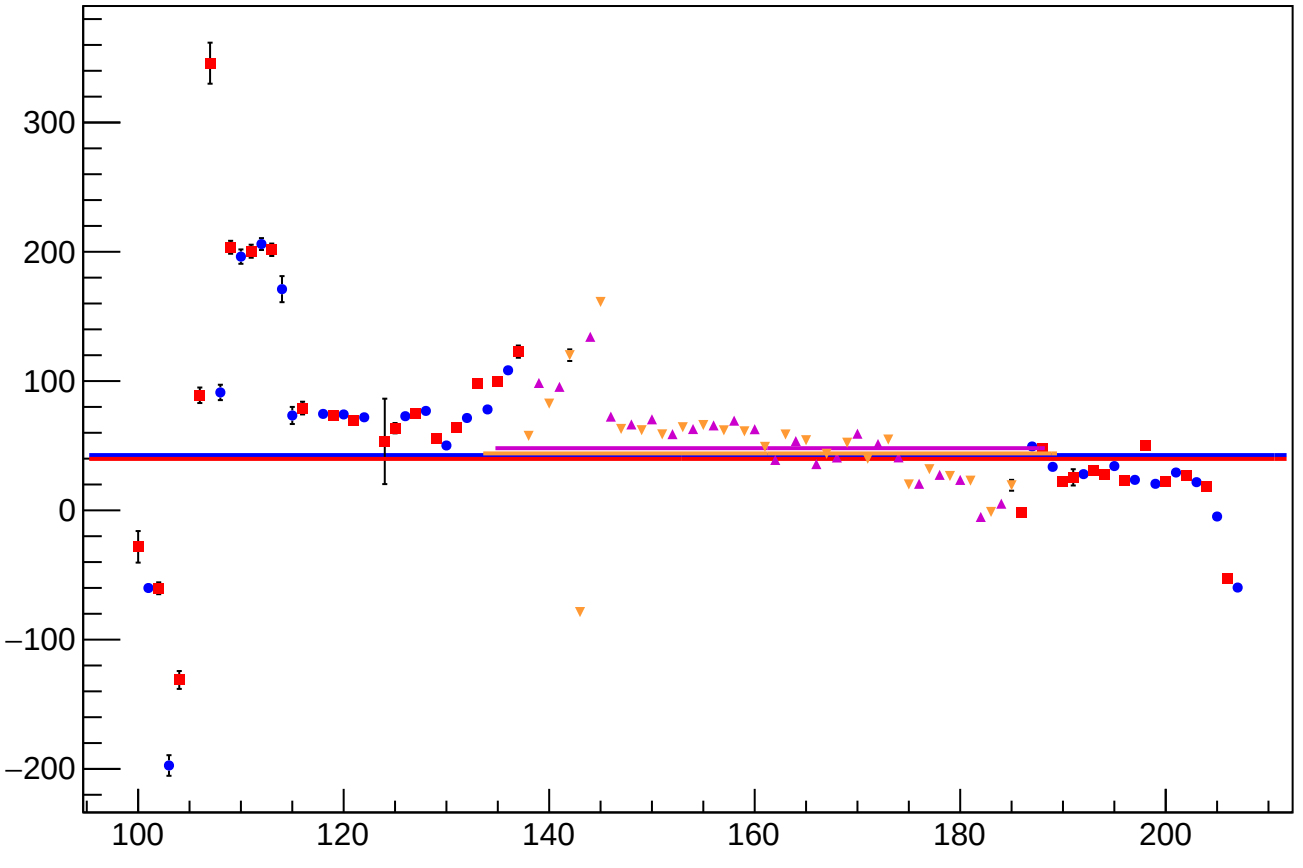
Right: -8.929+/-0.405 χ^2/NDF: 9739.6/56

In: -10.058+/-0.397 χ^2/NDF:6841.0/48

Out: -8.224+/-0.374 χ^2/NDF:7972.1/55

All: -9.087+/-0.272 χ^2/NDF: 14824.5/104


reg_asym_atl1_diff_bpm4aY_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 11.575+/-0.657 χ²/NDF: 728.1/25
Left Out: 5.445+/-0.394 χ²/NDF:493.7/24
Right Out: 11.629+/-0.618 χ²/NDF: 546.8/30
Left In: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.936+/-0.283 χ²/NDF: 832.9/47
Right: 11.604+/-0.450 χ²/NDF: 1275.0/56
In: 7.883+/-0.347 χ²/NDF:1107.8/48
Out: 7.231+/-0.332 χ²/NDF:1111.7/55
All: 7.543+/-0.240 χ²/NDF: 2221.3/104



Right In: 42.742+/-0.593 χ^2/NDF: 7738.7/25

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

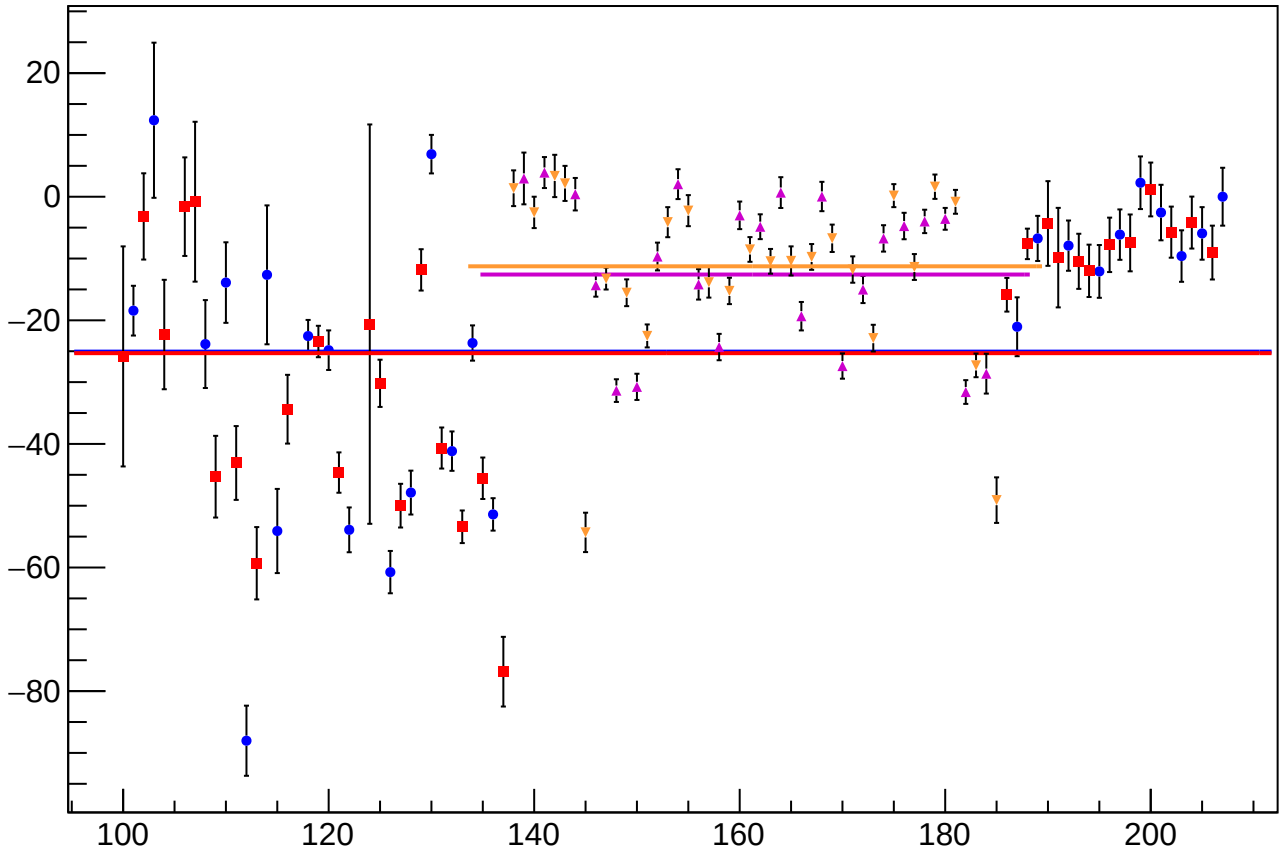
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 41.048+/-0.387 χ^2/NDF: 16737.1/56

In: 45.751+/-0.391 χ^2/NDF:11160.9/48

Out: 41.920+/-0.361 χ^2/NDF:13582.6/55

All: 43.680+/-0.265 χ^2/NDF: 24795.3/104



Right In: -25.065+/-0.771 χ^2/NDF: 806.1/25

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

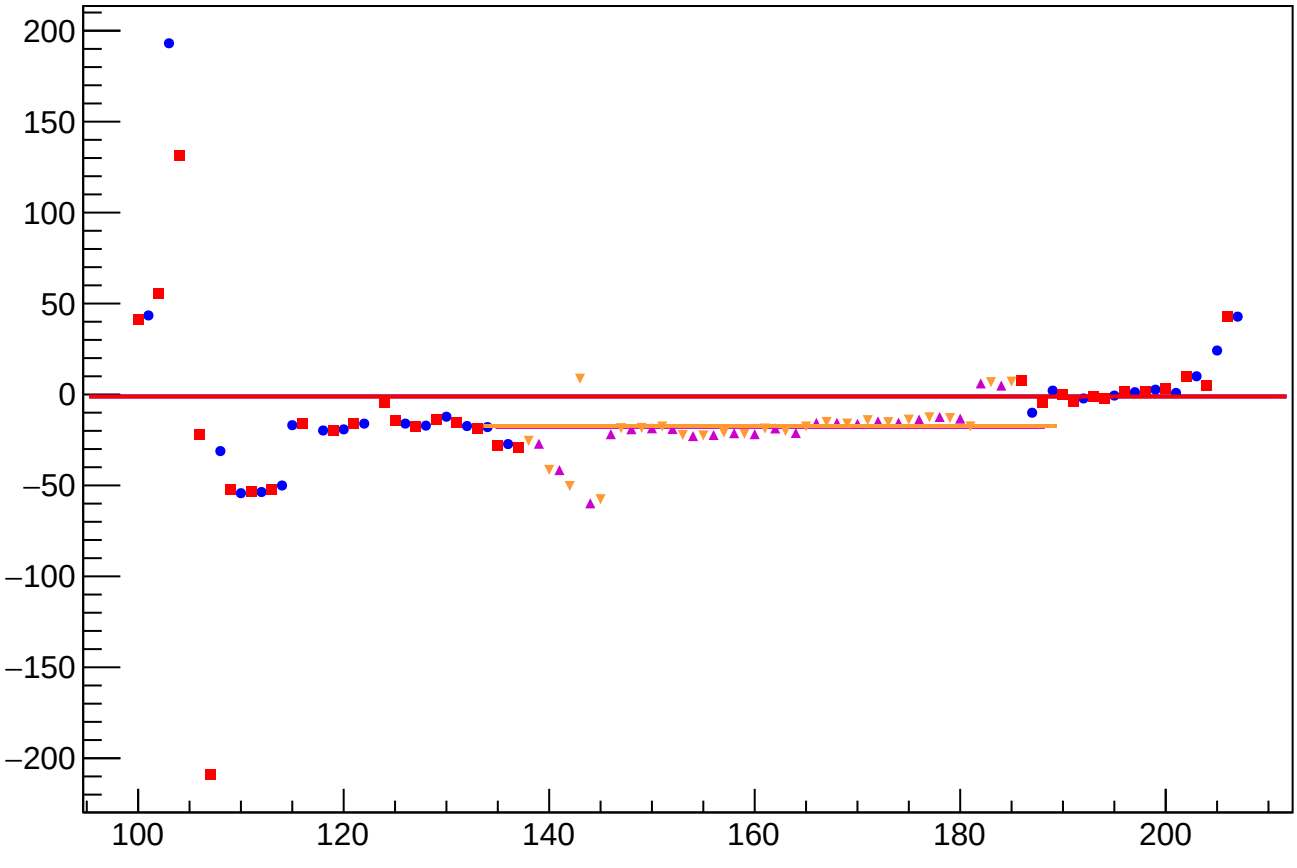
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -25.192+/-0.538 χ^2/NDF: 1467.1/56

In: -15.855+/-0.394 χ^2/NDF:1671.4/48

Out: -14.911+/-0.383 χ^2/NDF:1563.5/55

All: -15.369+/-0.275 χ^2/NDF: 3237.9/104



Right In: -1.063+/-0.036 χ^2/NDF: 633930.4/25

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

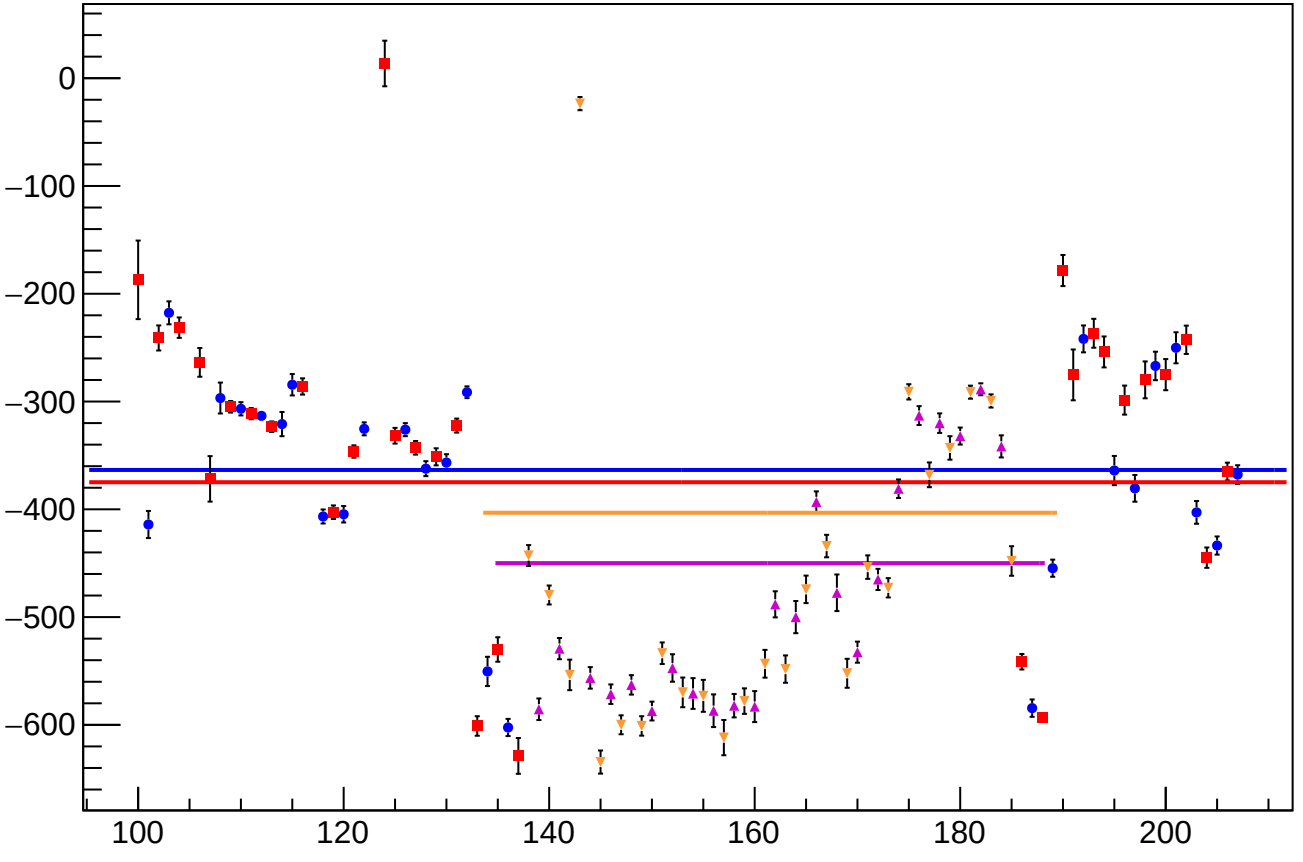
Right: -1.102+/-0.025 χ^2/NDF: 1203938.6/56

In: -13.833+/-0.018 χ^2/NDF:1064110.7/48

Out: -13.376+/-0.017 χ^2/NDF:1078387.5/55

All: -13.600+/-0.012 χ^2/NDF: 2142836.7/104

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -363.487+/-1.587 χ^2/NDF: 3103.4/25

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

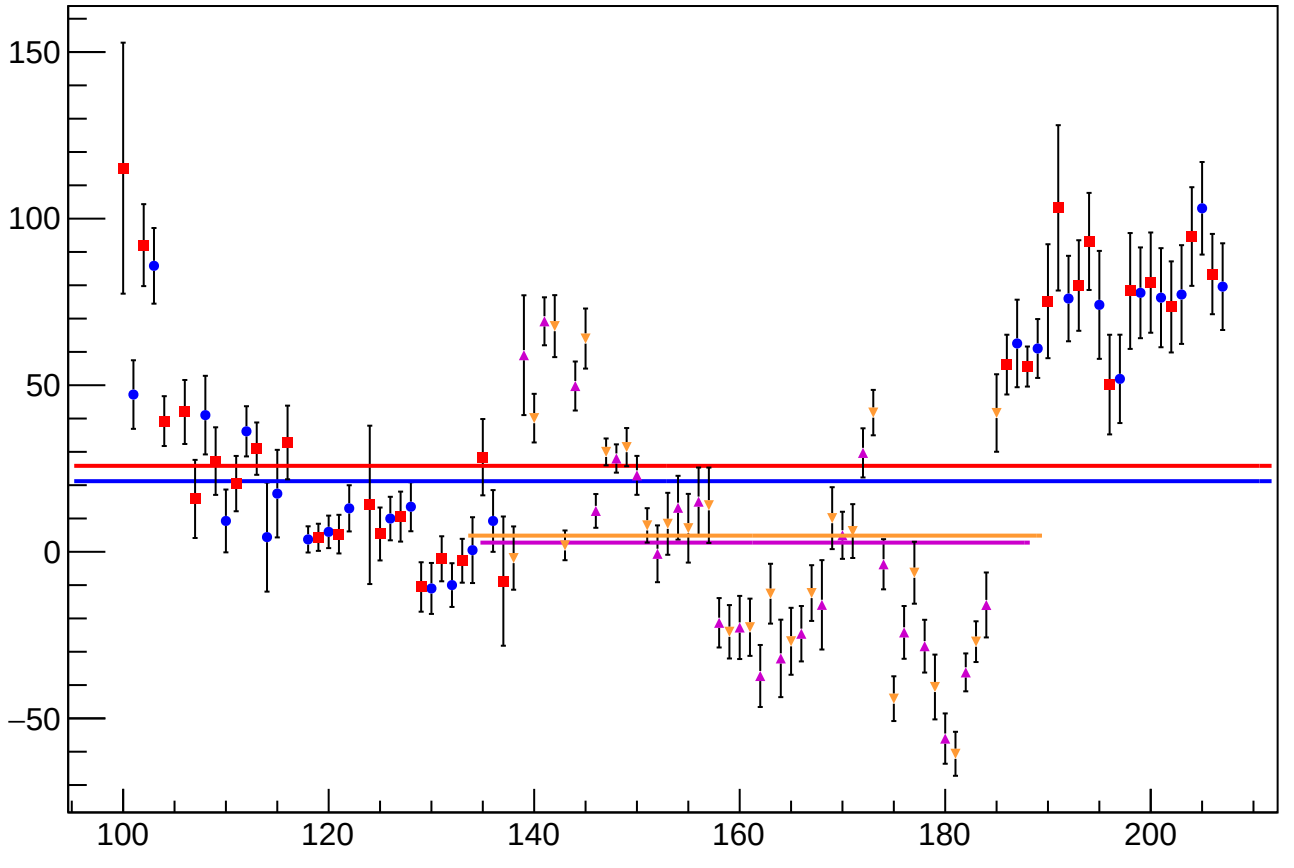
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -369.586+/-1.081 χ^2/NDF: 9479.8/56

In: -396.014+/-1.253 χ^2/NDF:7438.1/48

Out: -385.332+/-1.172 χ^2/NDF:14235.5/55

All: -390.314+/-0.856 χ^2/NDF: 21712.3/104



Right In: 21.199+/-1.680 χ^2/NDF: 294.2/25

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

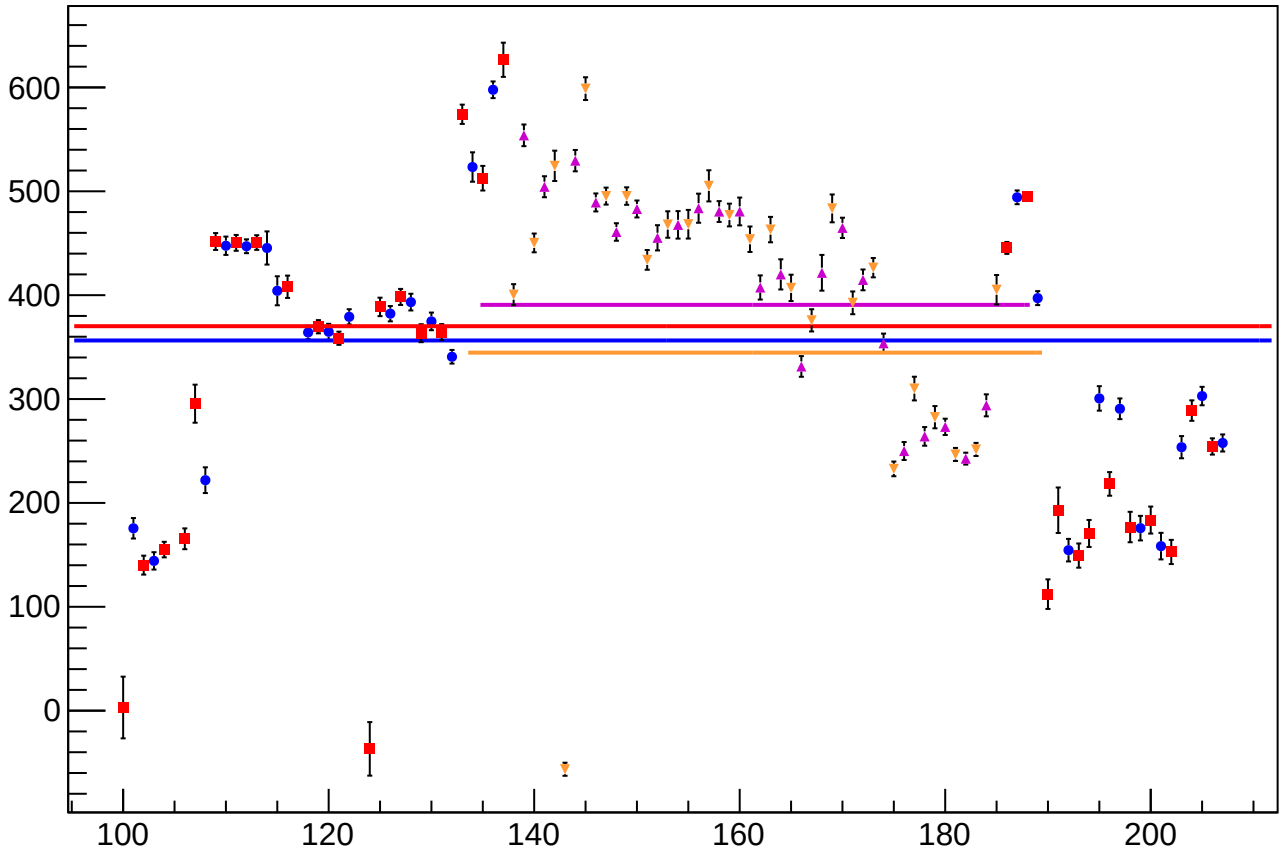
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 23.567+/-1.171 χ^2/NDF: 628.1/56

In: 11.261+/-1.141 χ^2/NDF:758.7/48

Out: 14.071+/-1.083 χ^2/NDF:879.4/55

All: 12.739+/-0.785 χ^2/NDF: 1641.3/104



Right In: 356.402+/-1.699 χ^2/NDF: 4157.9/25

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

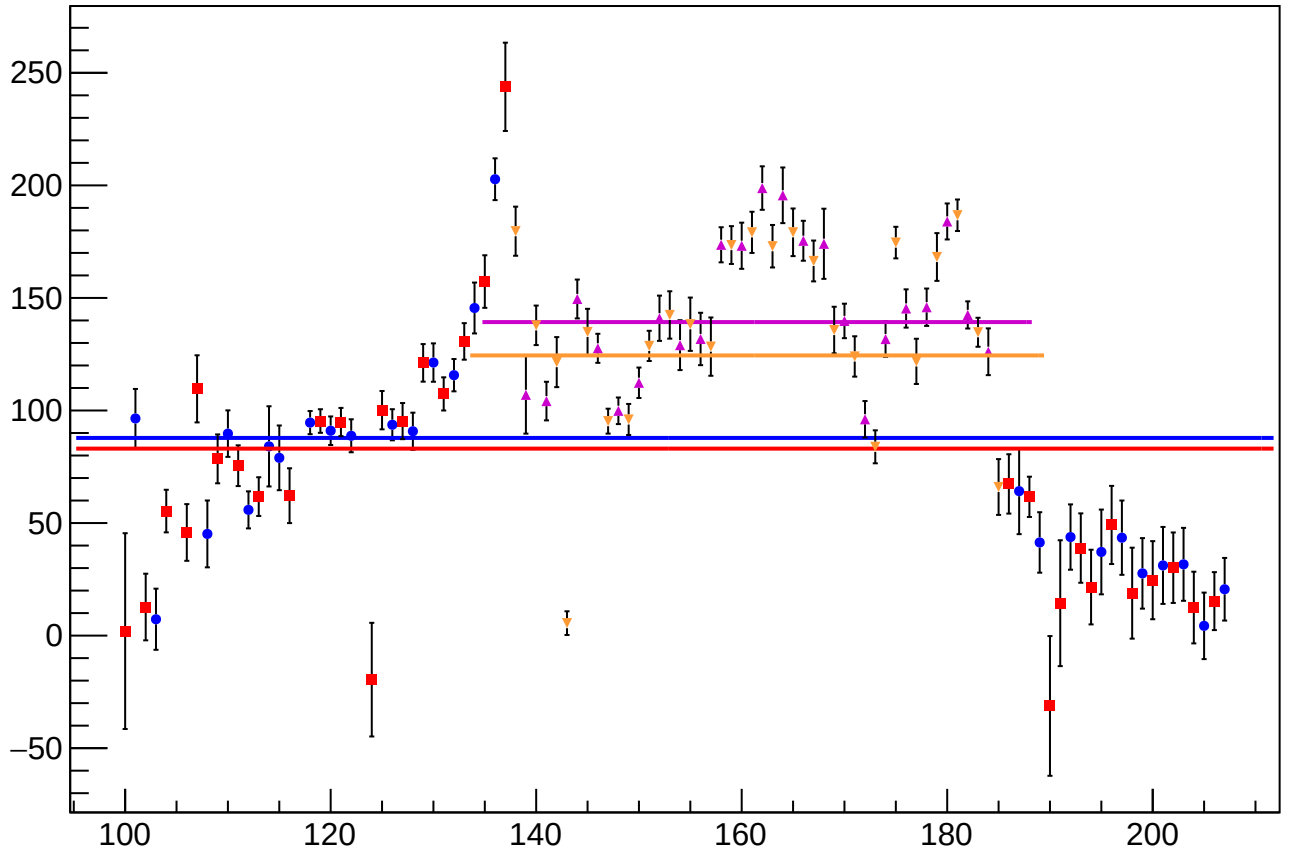
Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

Right: 363.966+/-1.139 χ^2/NDF: 11402.0/56

In: 370.526+/-1.303 χ^2/NDF:6998.3/48

Out: 360.237+/-1.200 χ^2/NDF:14593.3/55

All: 364.958+/-0.883 χ^2/NDF: 21625.4/104



Right In: 87.814+/-1.968 χ^2/NDF: 402.3/25

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

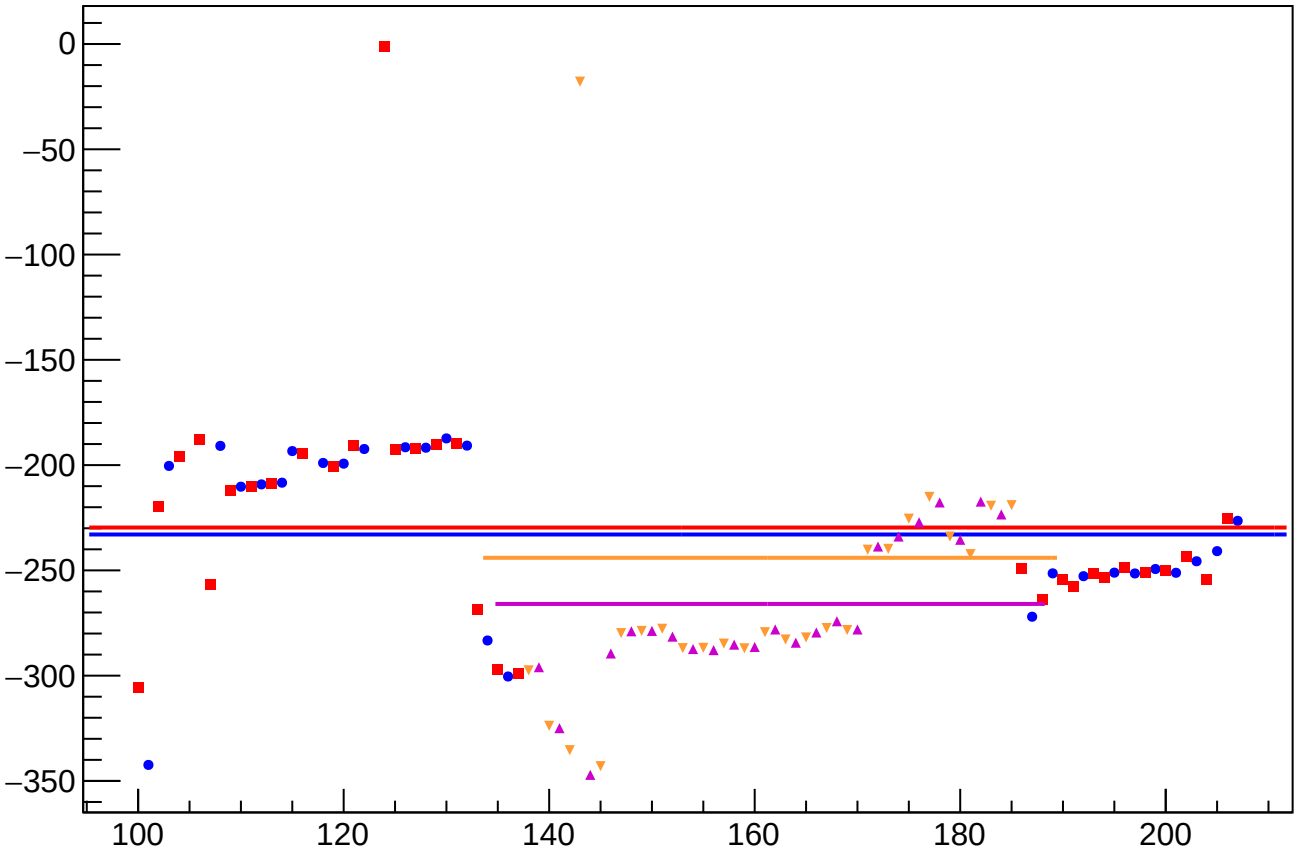
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 85.384+/-1.376 χ^2/NDF: 800.3/56

In: 116.276+/-1.316 χ^2/NDF:1041.2/48

Out: 106.772+/-1.258 χ^2/NDF:1597.8/55

All: 111.308+/-0.909 χ^2/NDF: 2666.3/104



Right In: -232.952+/-0.109 χ^2/NDF: 135858.9/25

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

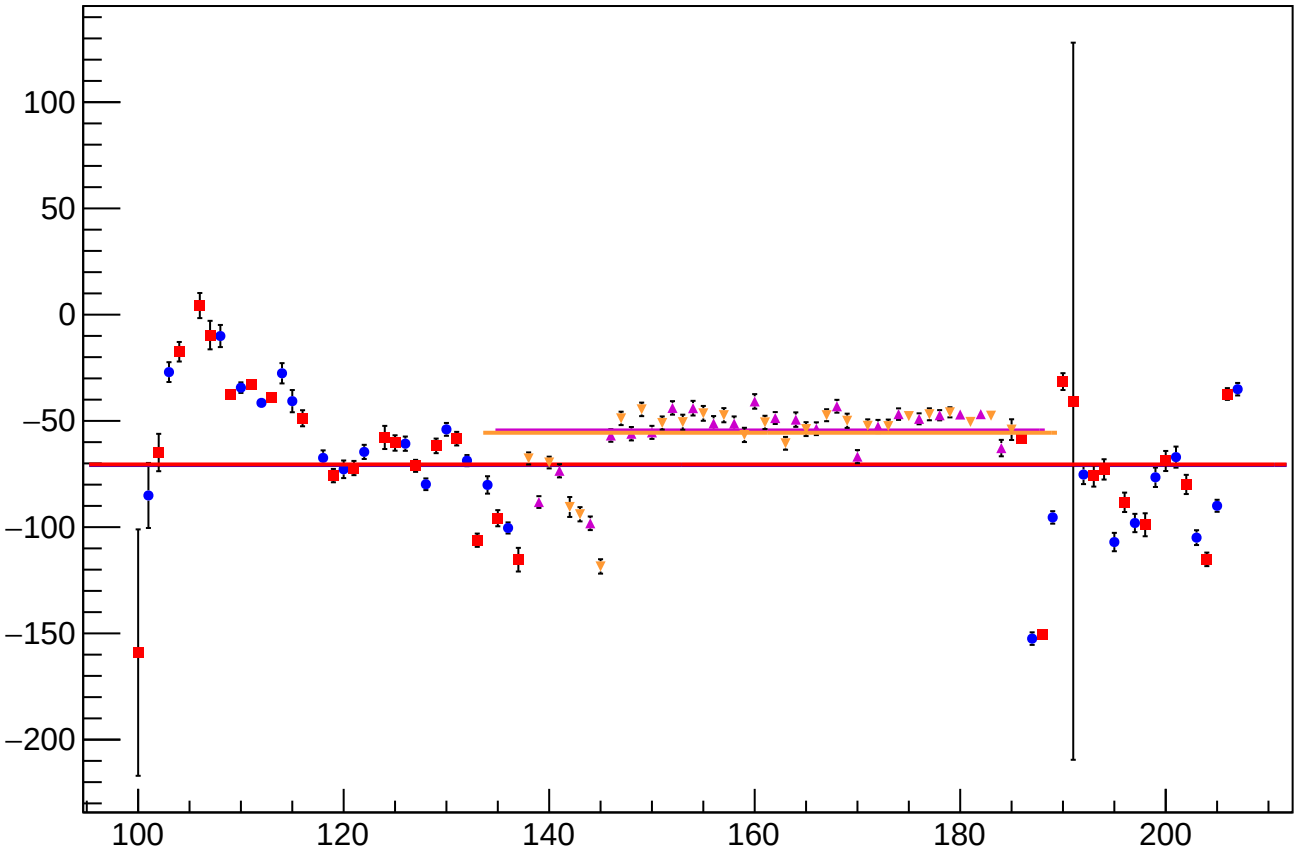
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -231.215+/-0.075 χ^2/NDF: 247621.9/56

In: -254.233+/-0.065 χ^2/NDF:365429.9/48

Out: -238.841+/-0.062 χ^2/NDF:1121683.4/55

All: -246.195+/-0.045 χ^2/NDF: 1516711.1/10



Right In: -70.765+/-0.666 χ^2/NDF: 2164.1/25

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

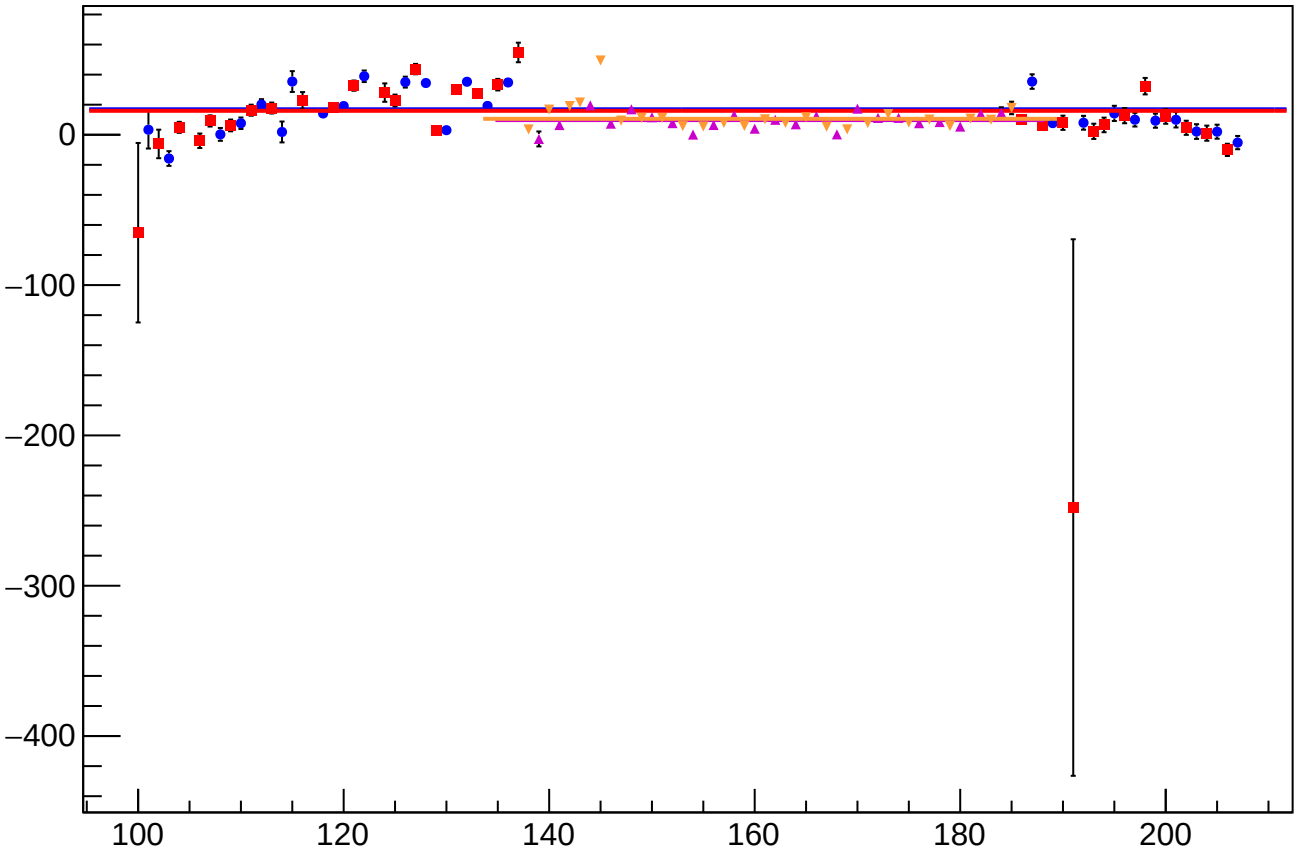
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -70.618+/-0.445 χ^2/NDF: 6267.2/56

In: -61.867+/-0.448 χ^2/NDF:2990.6/48

Out: -62.950+/-0.420 χ^2/NDF:5105.6/55

All: -62.444+/-0.306 χ^2/NDF: 8099.4/104



Right In: 16.943+/-0.741 χ^2/NDF: 337.0/25

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

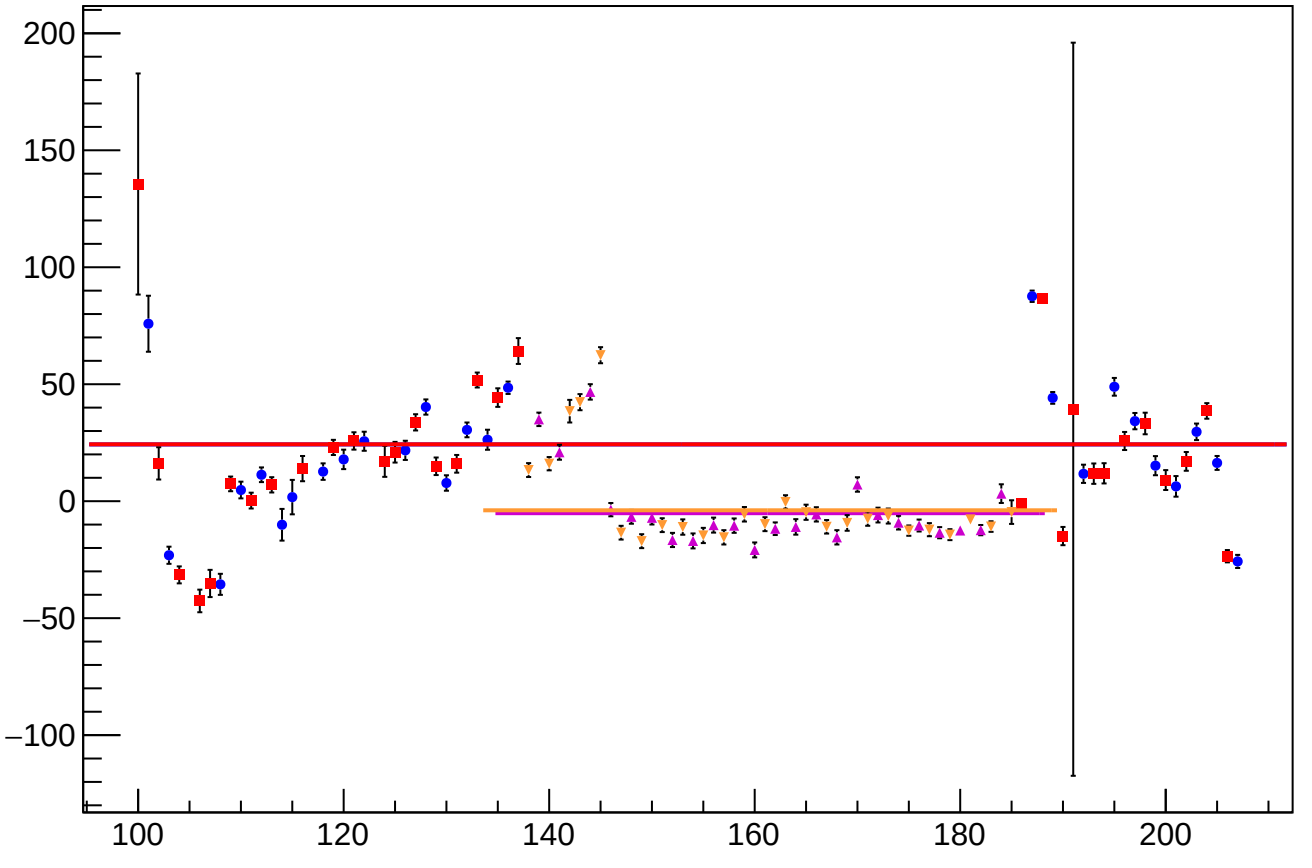
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

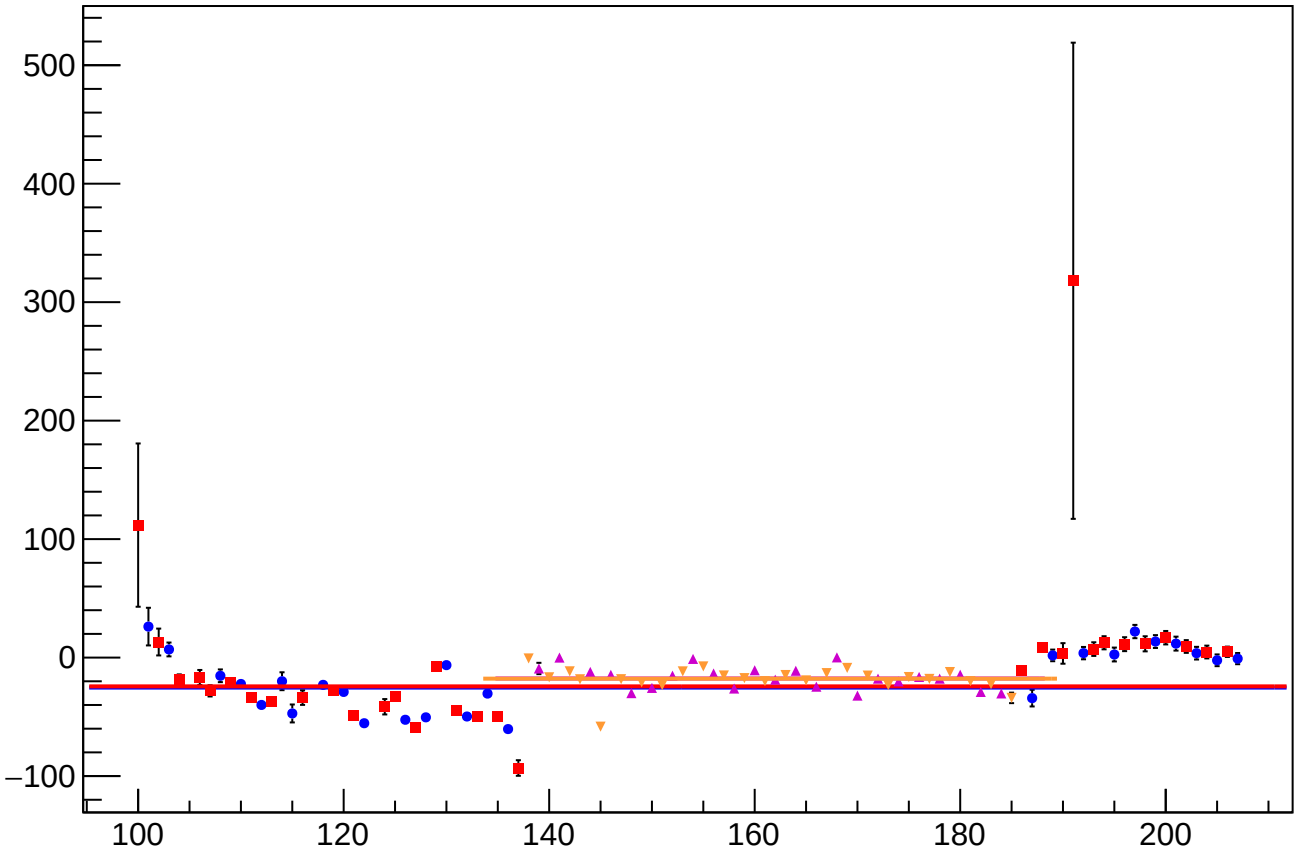
Right: 16.398+/-0.501 χ^2/NDF: 699.1/56

In: 11.807+/-0.395 χ^2/NDF:525.2/48

Out: 12.228+/-0.375 χ^2/NDF:659.1/55

All: 12.028+/-0.272 χ^2/NDF: 1185.0/104


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: 24.256+/-0.695 χ²/NDF: 1748.2/25
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: 24.290+/-0.453 χ²/NDF: 5413.5/56
In: 7.414+/-0.454 χ²/NDF:3422.5/48
Out: 9.892+/-0.418 χ²/NDF:5651.7/55
All: 8.754+/-0.308 χ²/NDF: 9090.3/104



Right In: -25.316+/-0.857 χ^2/NDF: 766.3/25

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

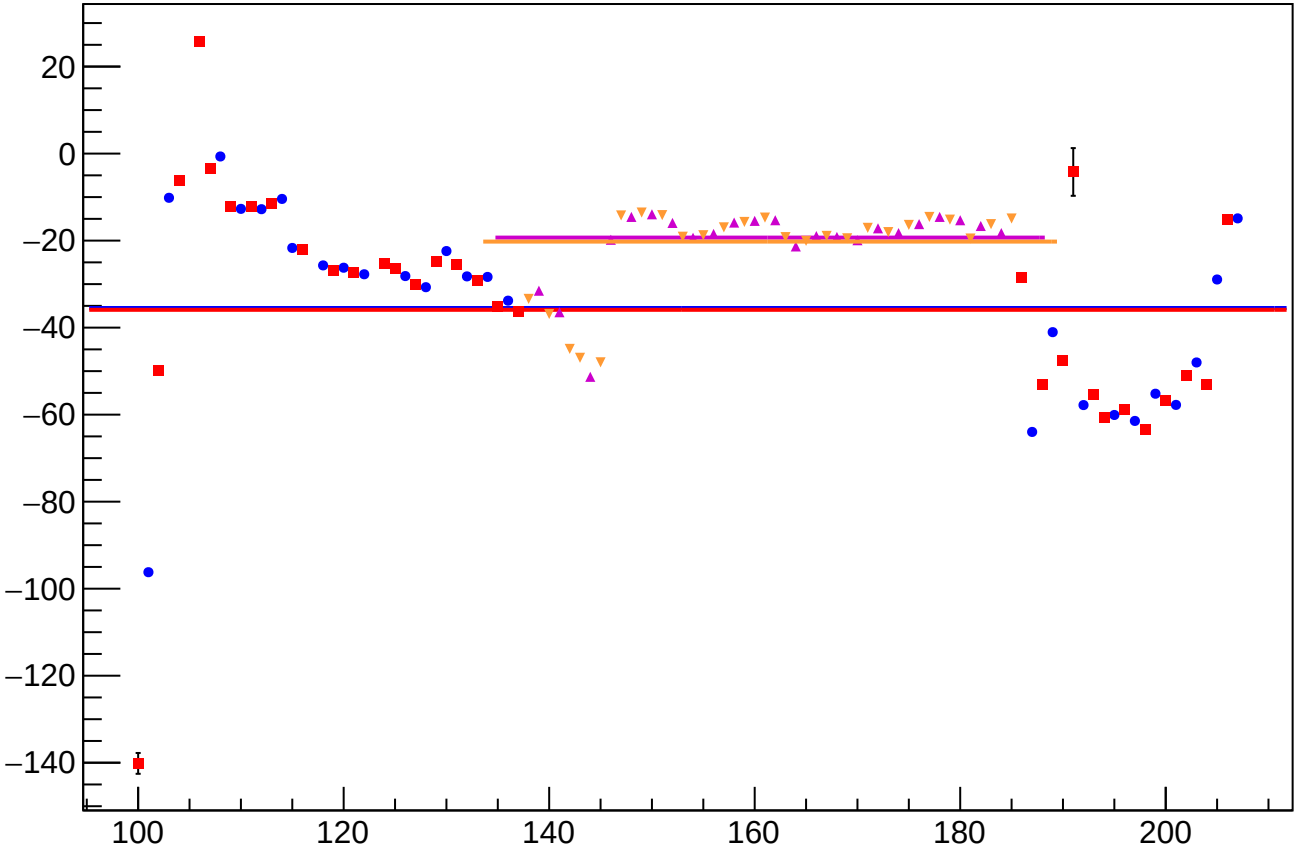
Right: -24.776+/-0.589 χ^2/NDF: 1663.1/56

In: -19.743+/-0.448 χ^2/NDF:1110.5/48

Out: -19.618+/-0.431 χ^2/NDF:1193.9/55

All: -19.678+/-0.311 χ^2/NDF: 2304.4/104

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -35.491+/-0.042 χ^2/NDF: 212644.0/25

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

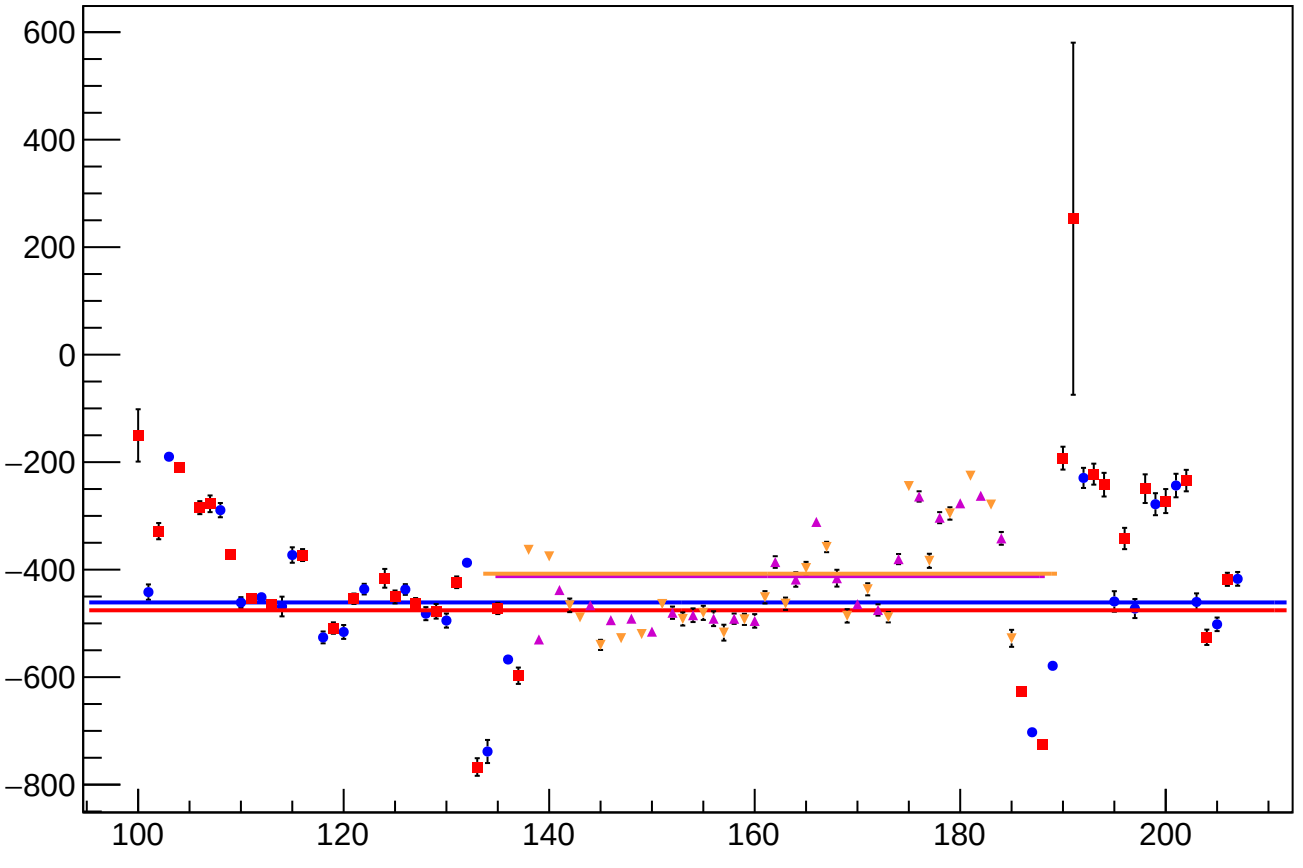
Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

Right: -35.704+/-0.029 χ^2/NDF: 504359.8/56

In: -23.155+/-0.020 χ^2/NDF:420680.6/48

Out: -24.018+/-0.020 χ^2/NDF:552801.1/55

All: -23.595+/-0.014 χ^2/NDF: 974402.8/104



Right In: -460.994+/-2.284 χ^2/NDF: 2828.3/25

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

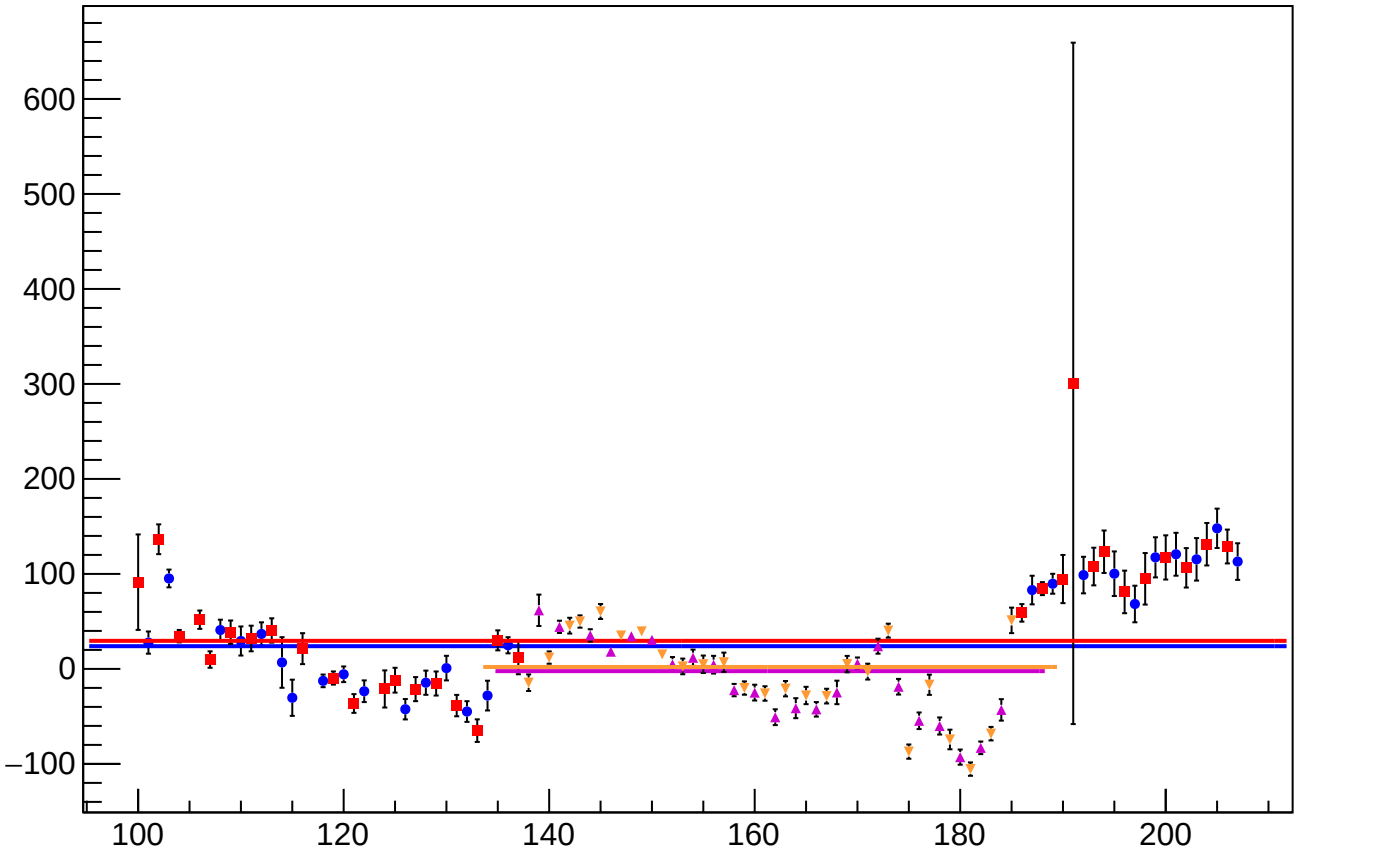
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -469.173+/-1.517 χ^2/NDF: 8963.3/56

In: -433.417+/-1.508 χ^2/NDF:5269.0/48

Out: -440.257+/-1.406 χ^2/NDF:9569.5/55

All: -437.076+/-1.029 χ^2/NDF: 14849.5/104



Right In: 23.908+/-2.452 χ^2/NDF: 429.7/25

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

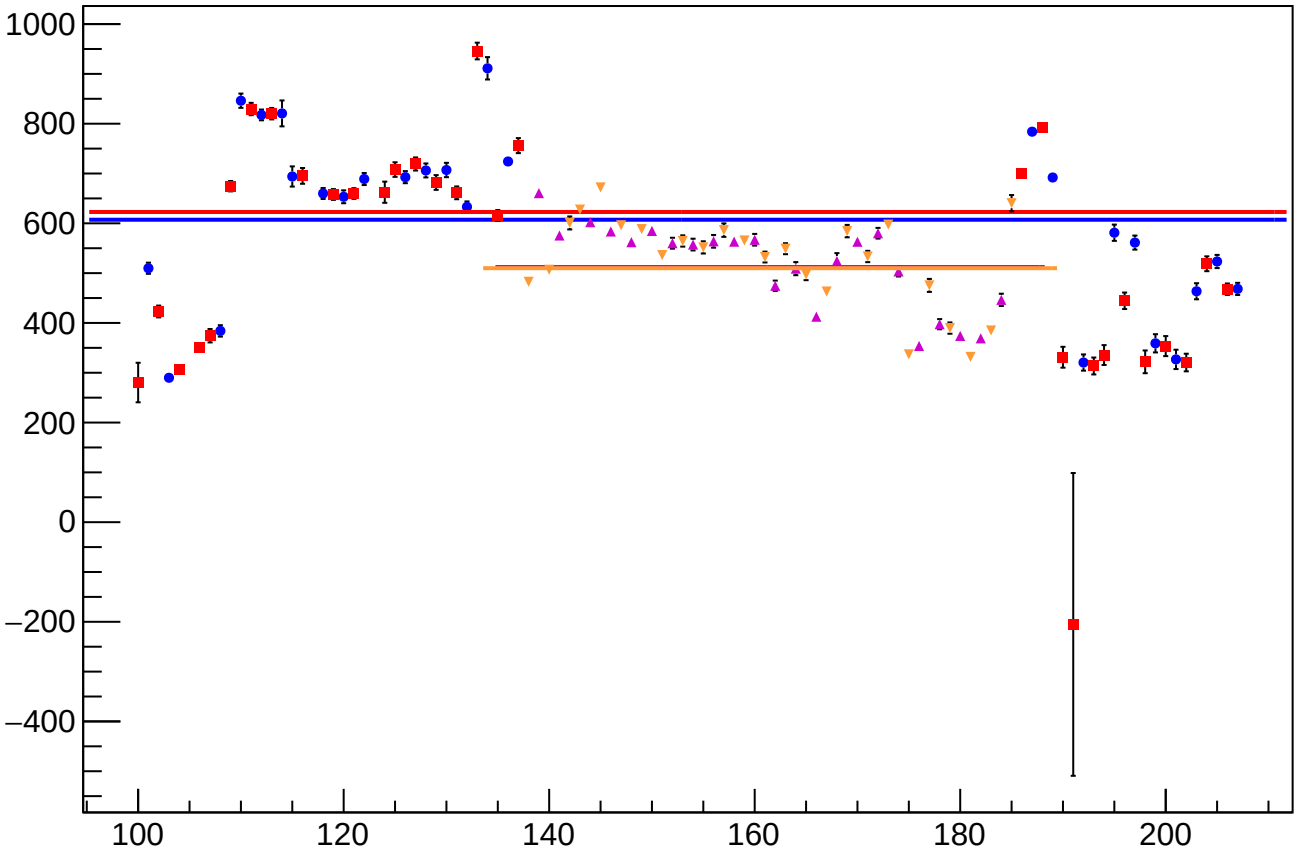
Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

Right: 27.032+/-1.641 χ^2/NDF: 922.4/56

In: 4.667+/-1.269 χ^2/NDF:1247.2/48

Out: 10.136+/-1.198 χ^2/NDF:1510.1/55

All: 7.558+/-0.871 χ^2/NDF: 2767.1/104



Right In: 607.214+/-2.308 χ^2/NDF: 5514.4/25

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

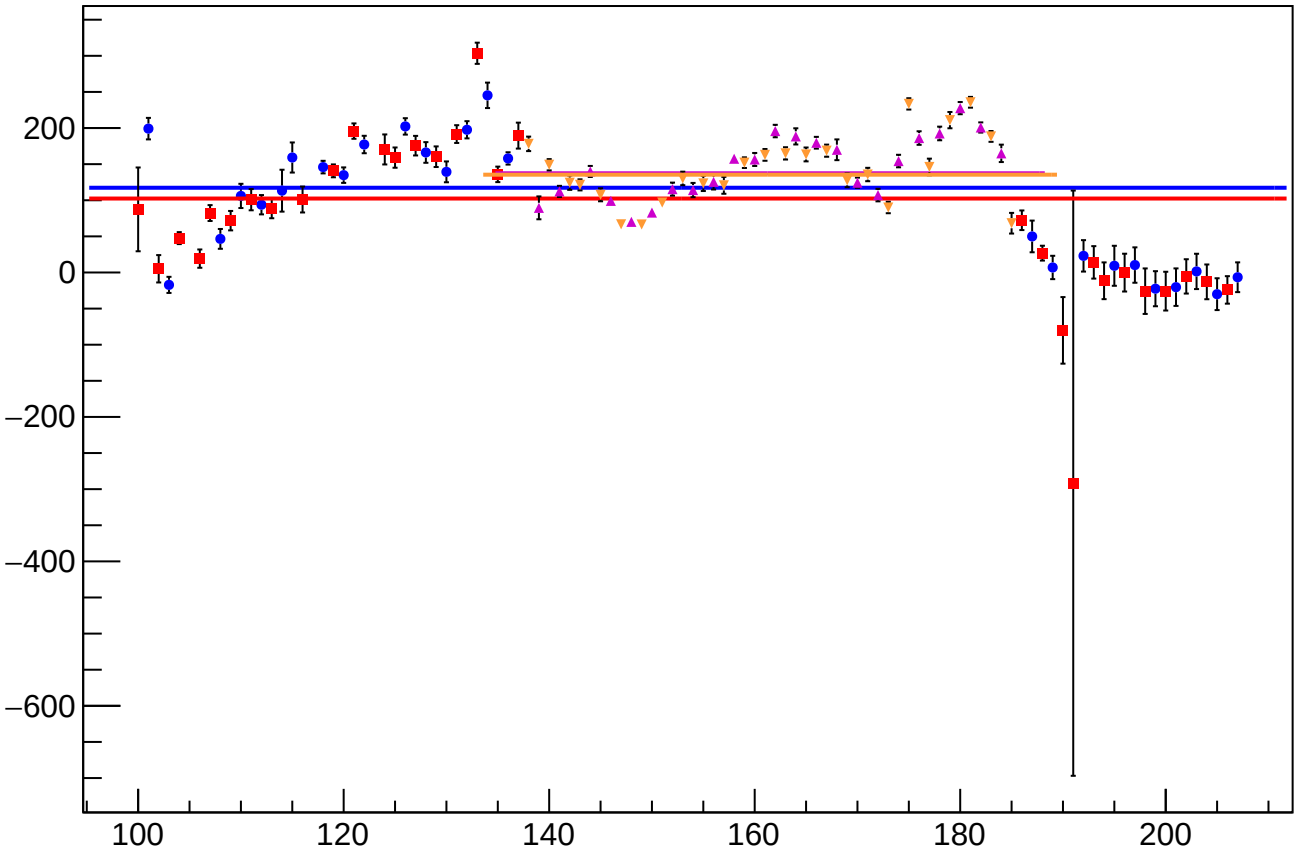
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 616.172+/-1.503 χ^2/NDF: 14347.0/56

In: 552.618+/-1.504 χ^2/NDF:8575.3/48

Out: 565.043+/-1.384 χ^2/NDF:13129.8/55

All: 559.346+/-1.019 χ^2/NDF: 21742.0/104



Right In: 117.326+/-2.875 χ^2/NDF: 712.2/25

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

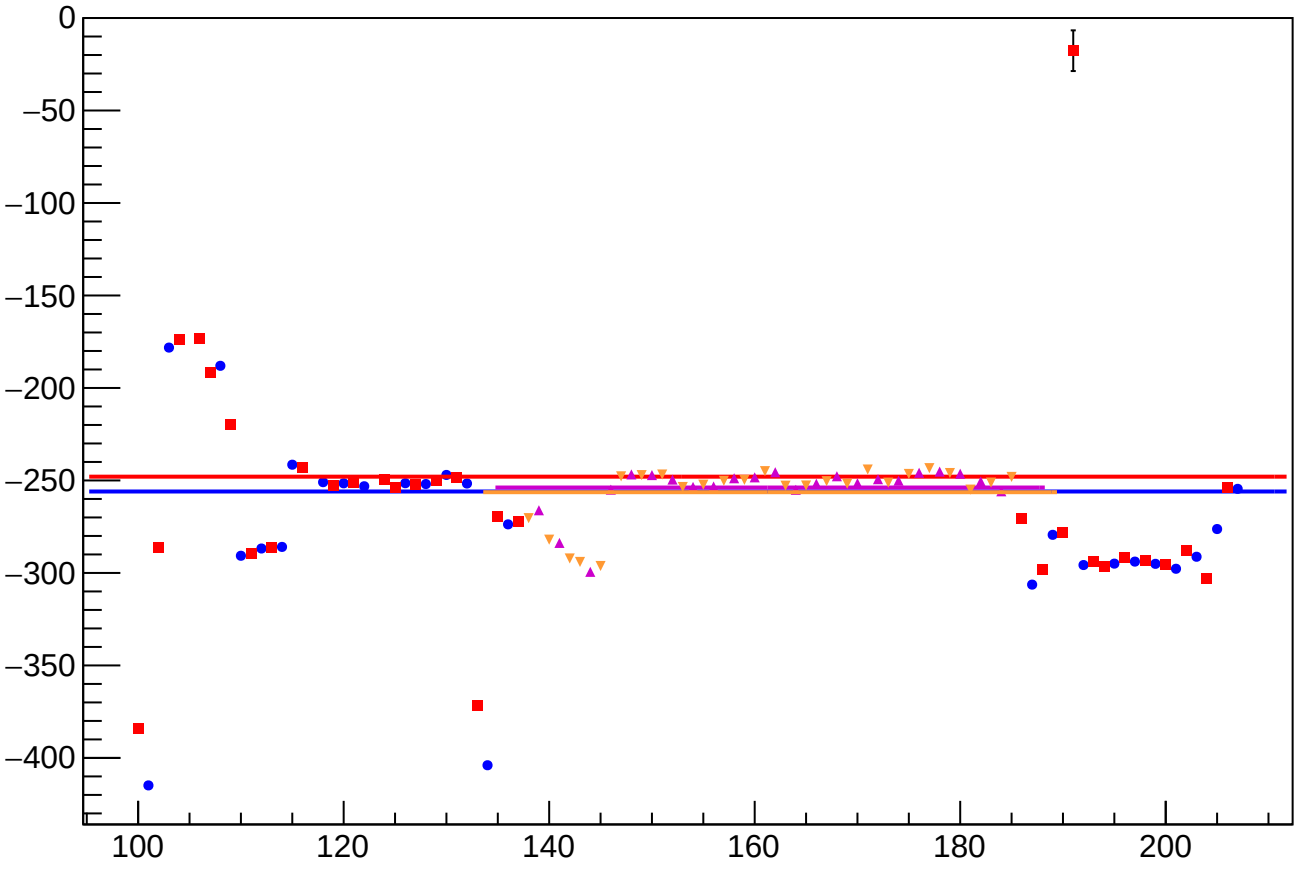
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 109.268+/-1.951 χ^2/NDF: 1545.0/56

In: 132.171+/-1.465 χ^2/NDF:1454.1/48

Out: 126.224+/-1.401 χ^2/NDF:1853.0/55

All: 129.065+/-1.012 χ^2/NDF: 3315.7/104



Right In: -255.968+/-0.138 χ^2/NDF: 197838.4/25

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

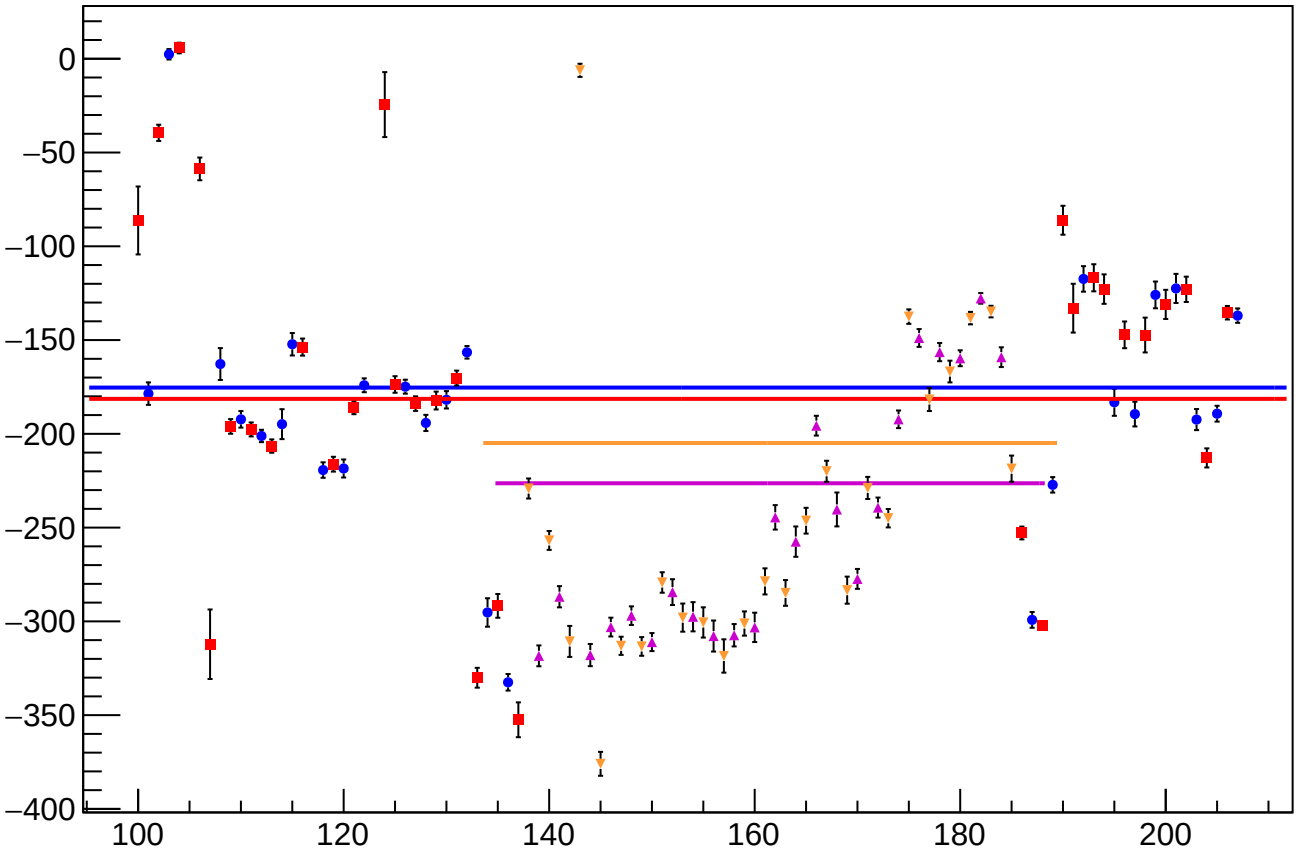
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -251.763+/-0.095 χ^2/NDF: 348082.0/56

In: -254.338+/-0.068 χ^2/NDF:222100.1/48

Out: -254.190+/-0.066 χ^2/NDF:191026.5/55

All: -254.263+/-0.047 χ^2/NDF: 413129.0/104



Right In: -175.334+/-0.900 χ^2/NDF: 7261.4/25

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

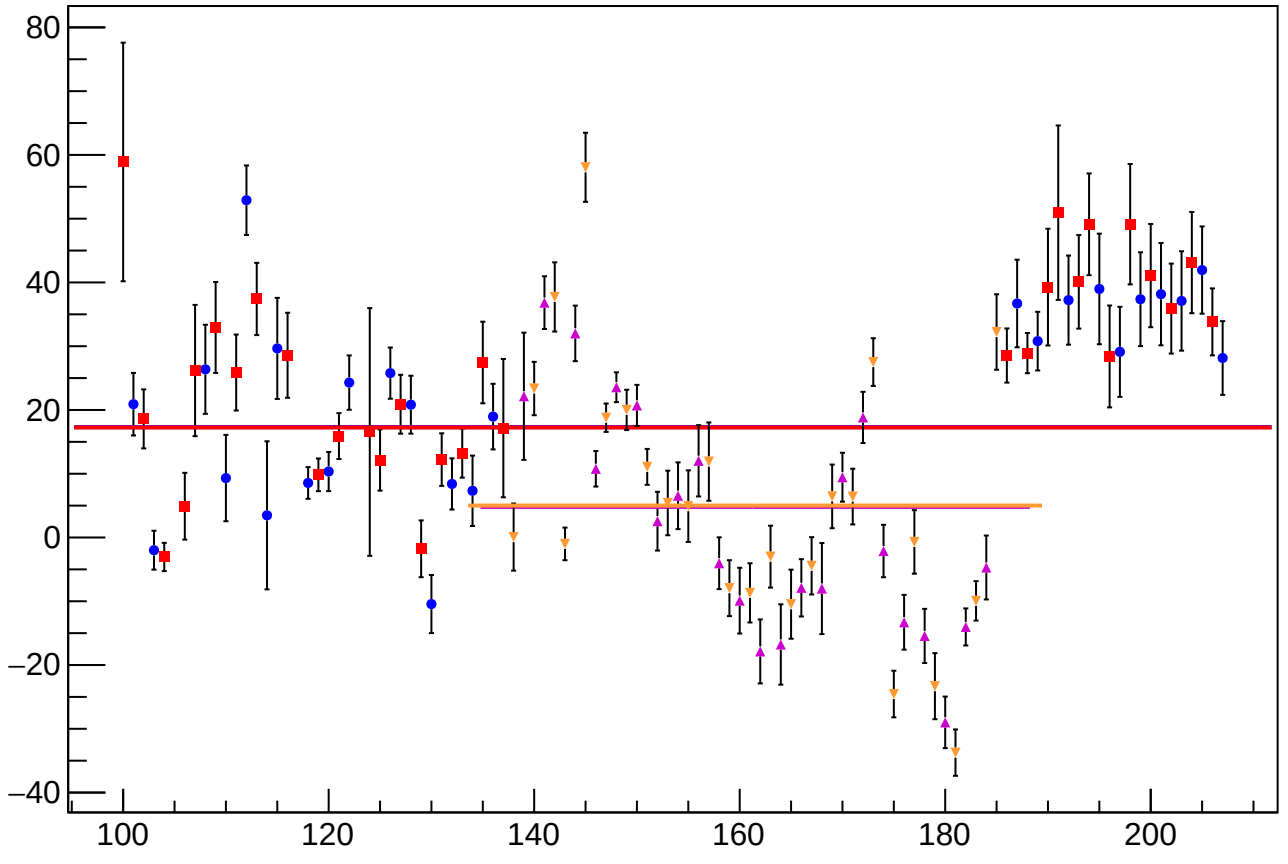
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -178.580+/-0.611 χ^2/NDF: 18846.4/56

In: -195.689+/-0.698 χ^2/NDF:12762.6/48

Out: -190.414+/-0.653 χ^2/NDF:19695.0/55

All: -192.875+/-0.477 χ^2/NDF: 32488.1/104



Right In: 17.307+/-0.959 χ^2/NDF: 231.8/25

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

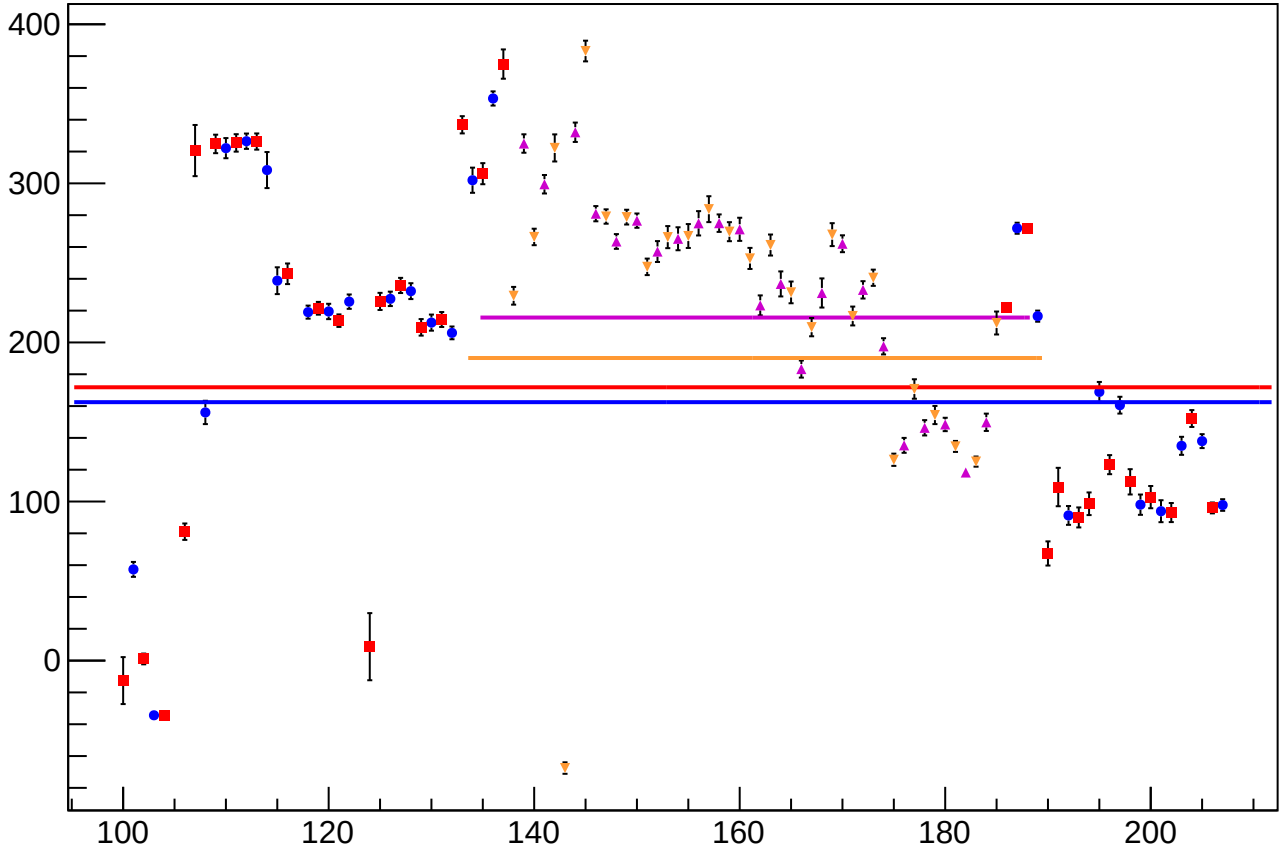
Right: 17.279+/-0.653 χ^2/NDF: 491.0/56

In: 10.275+/-0.635 χ^2/NDF:753.7/48

Out: 10.410+/-0.593 χ^2/NDF:912.8/55

All: 10.347+/-0.433 χ^2/NDF: 1666.6/104

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 162.459+/-0.902 χ^2/NDF: 15901.6/25

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

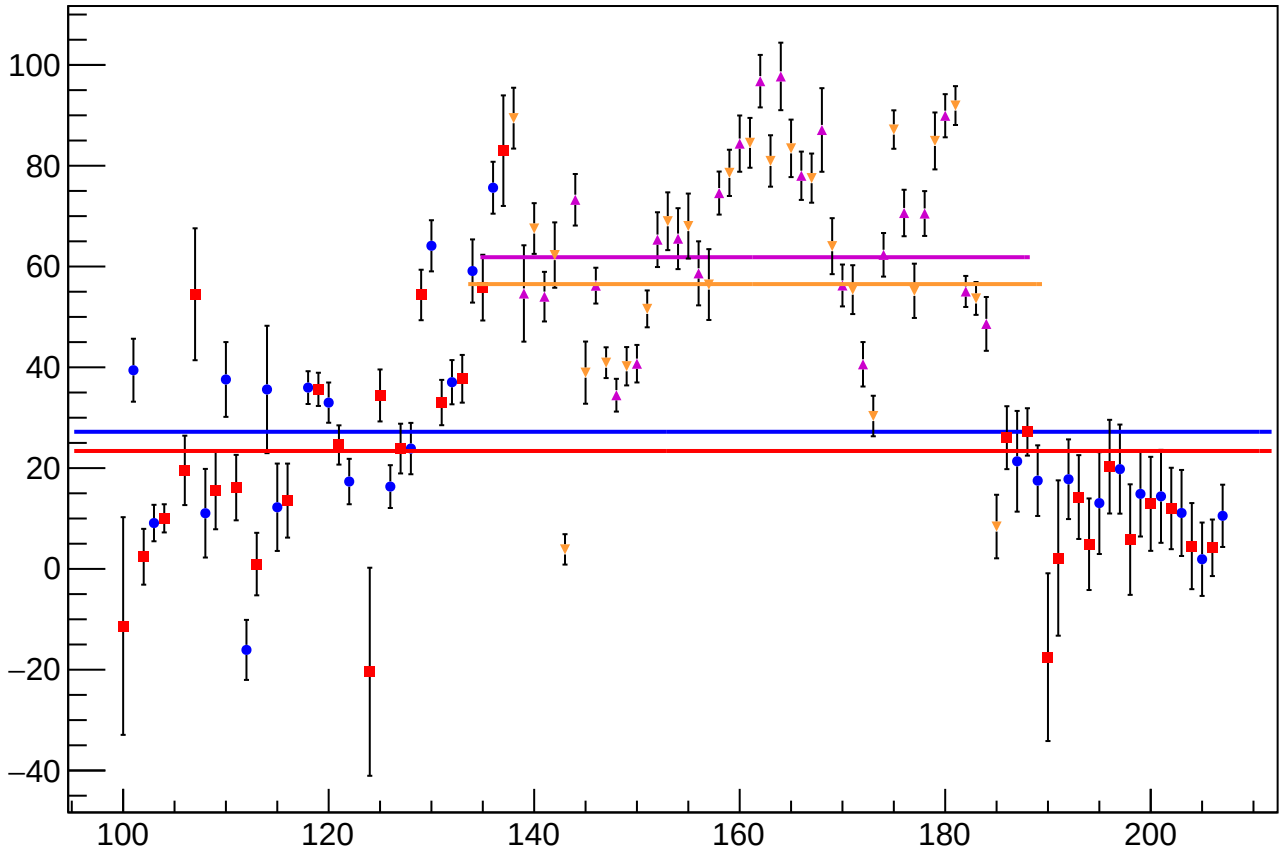
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 167.653+/-0.602 χ^2/NDF: 37328.6/56

In: 183.876+/-0.697 χ^2/NDF:21188.7/48

Out: 178.659+/-0.640 χ^2/NDF:30944.1/55

All: 181.046+/-0.471 χ^2/NDF: 52163.2/104



Right In: 27.209+/-1.126 χ^2/NDF: 317.2/25

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

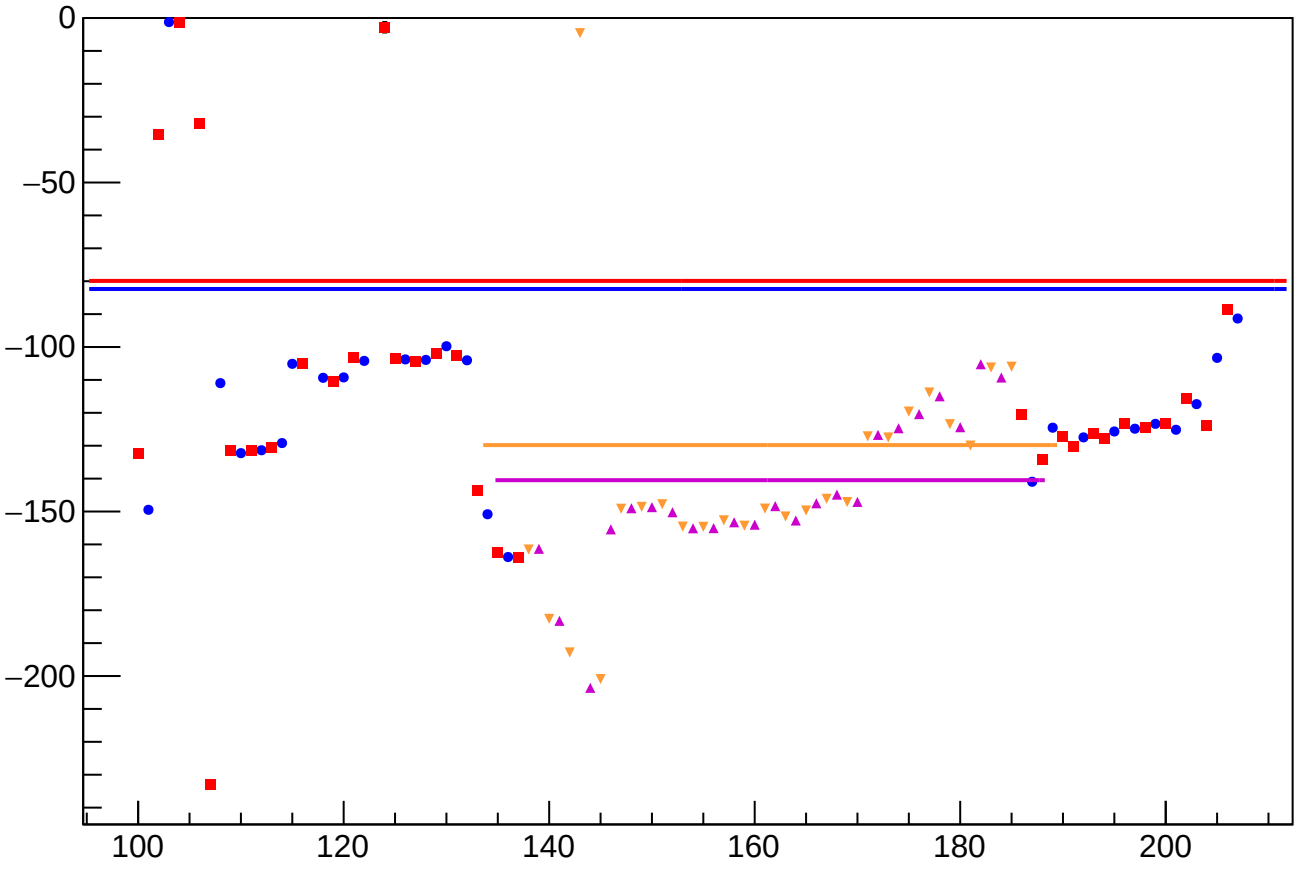
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 25.203+/-0.775 χ^2/NDF: 551.9/56

In: 47.242+/-0.731 χ^2/NDF:1185.3/48

Out: 42.600+/-0.692 χ^2/NDF:1585.2/55

All: 44.794+/-0.503 χ^2/NDF: 2791.8/104



Right In: -82.361+/-0.052 χ^2/NDF: 1296790.7/25

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

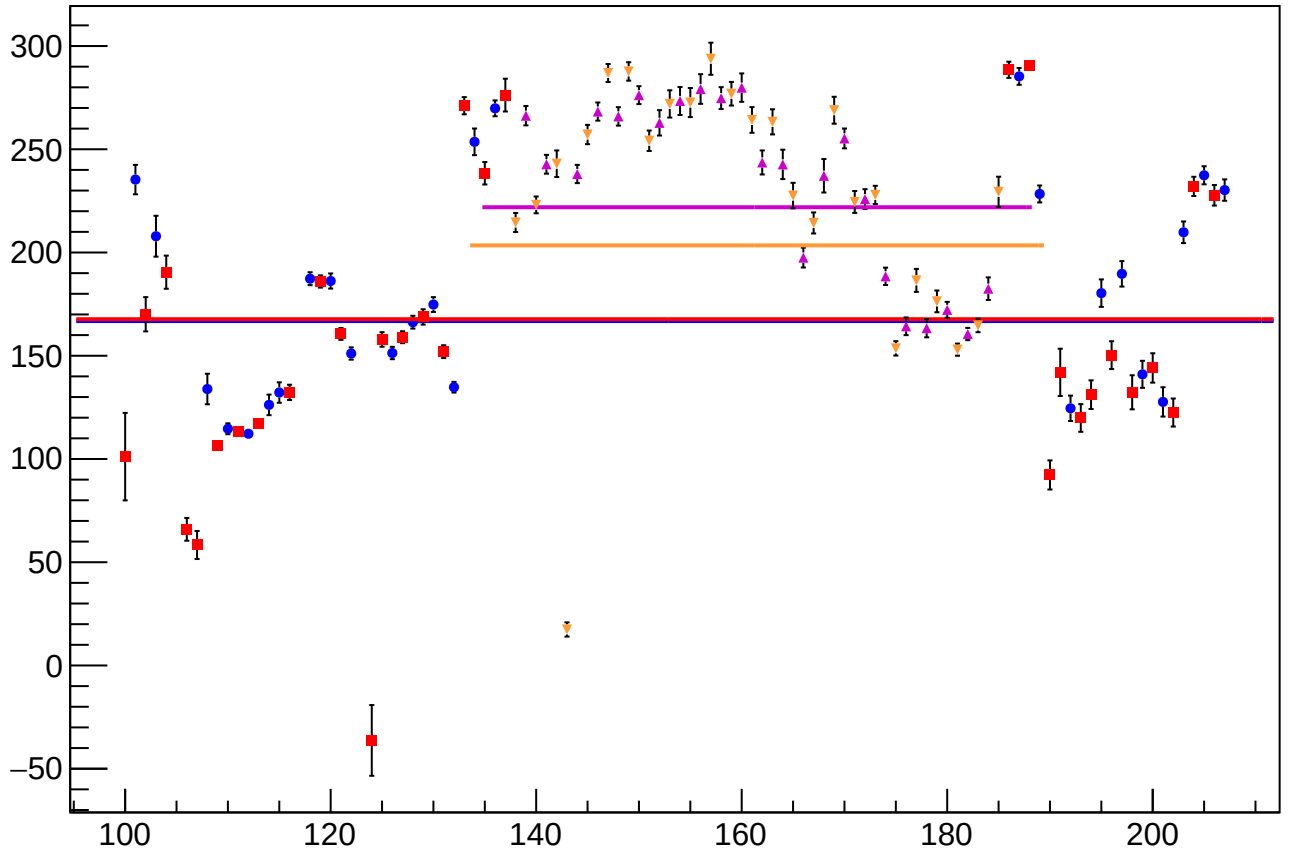
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -81.074+/-0.036 χ^2/NDF: 2553942.2/56

In: -116.546+/-0.033 χ^2/NDF:2280794.9/48

Out: -108.978+/-0.032 χ^2/NDF:2865961.0/55

All: -112.611+/-0.023 χ^2/NDF: 5173306.9/10



Right In: 166.786+/-0.770 χ^2/NDF: 4151.6/25

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

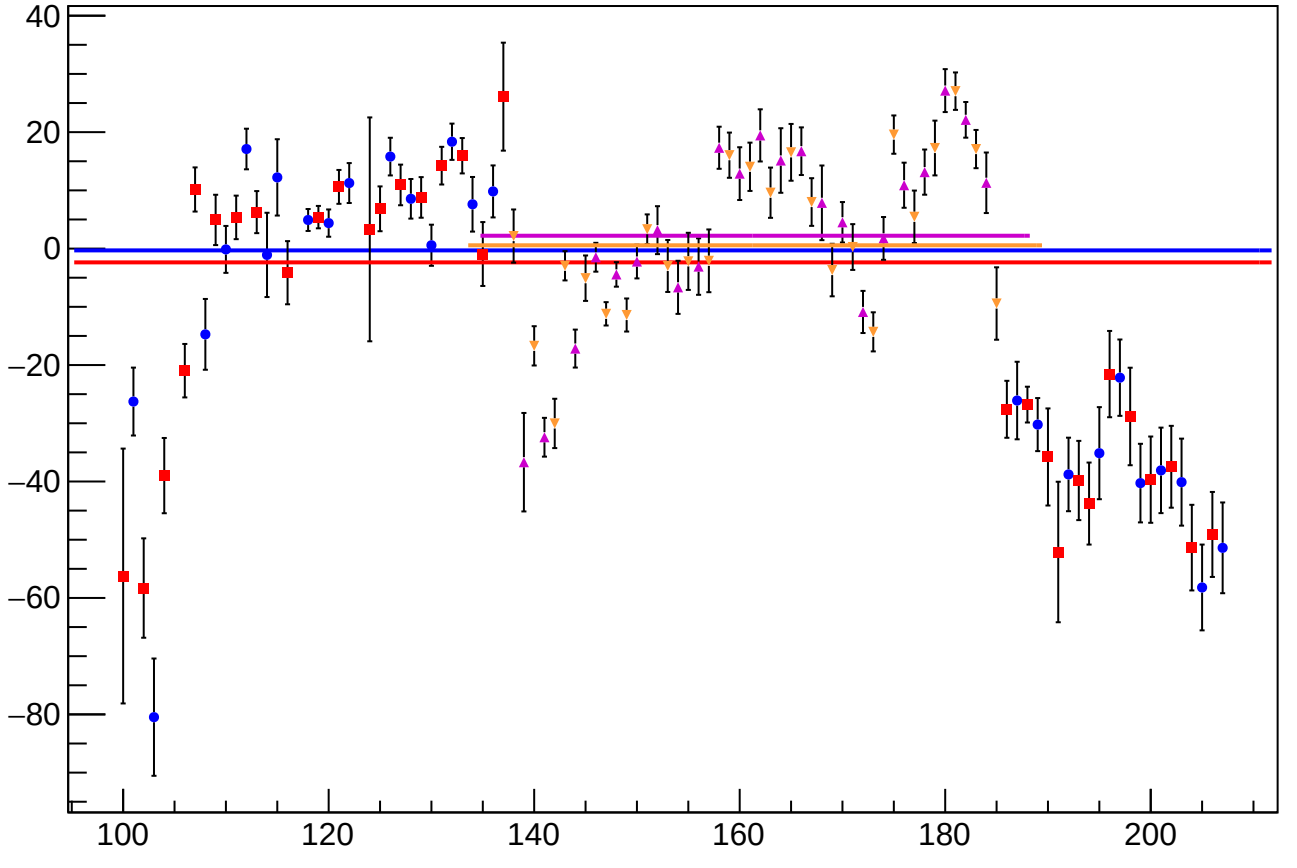
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 167.274+/-0.522 χ^2/NDF: 12595.5/56

In: 187.226+/-0.611 χ^2/NDF:8040.3/48

Out: 180.490+/-0.570 χ^2/NDF:14838.9/55

All: 183.627+/-0.417 χ^2/NDF: 22944.3/104



Right In: -0.308+/-0.819 χ^2/NDF: 536.4/25

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

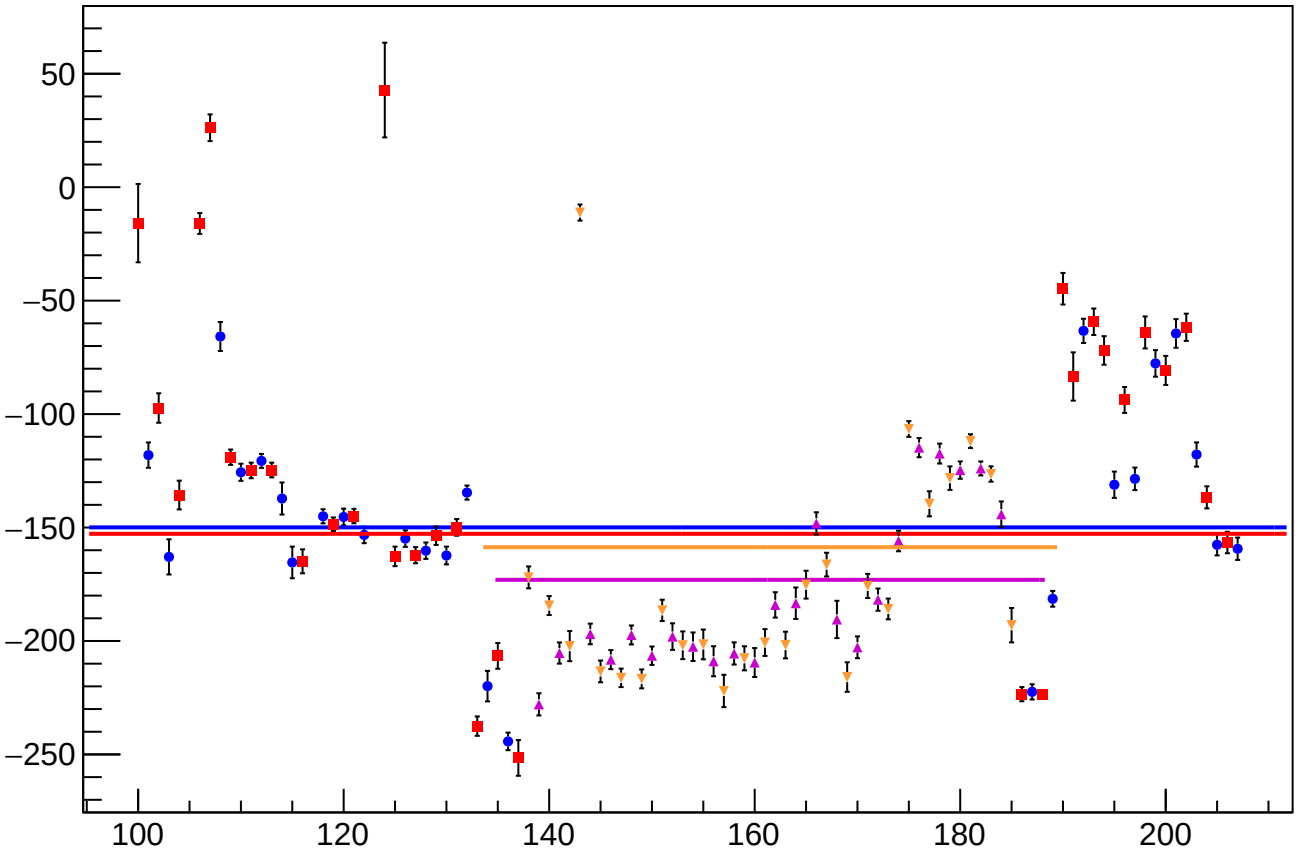
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -1.369+/-0.570 χ^2/NDF: 1140.1/56

In: 1.045+/-0.557 χ^2/NDF:899.6/48

Out: -0.746+/-0.532 χ^2/NDF:953.4/55

All: 0.108+/-0.385 χ^2/NDF: 1858.4/104



Right In: -149.928+/-0.844 χ^2/NDF: 2319.3/25

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

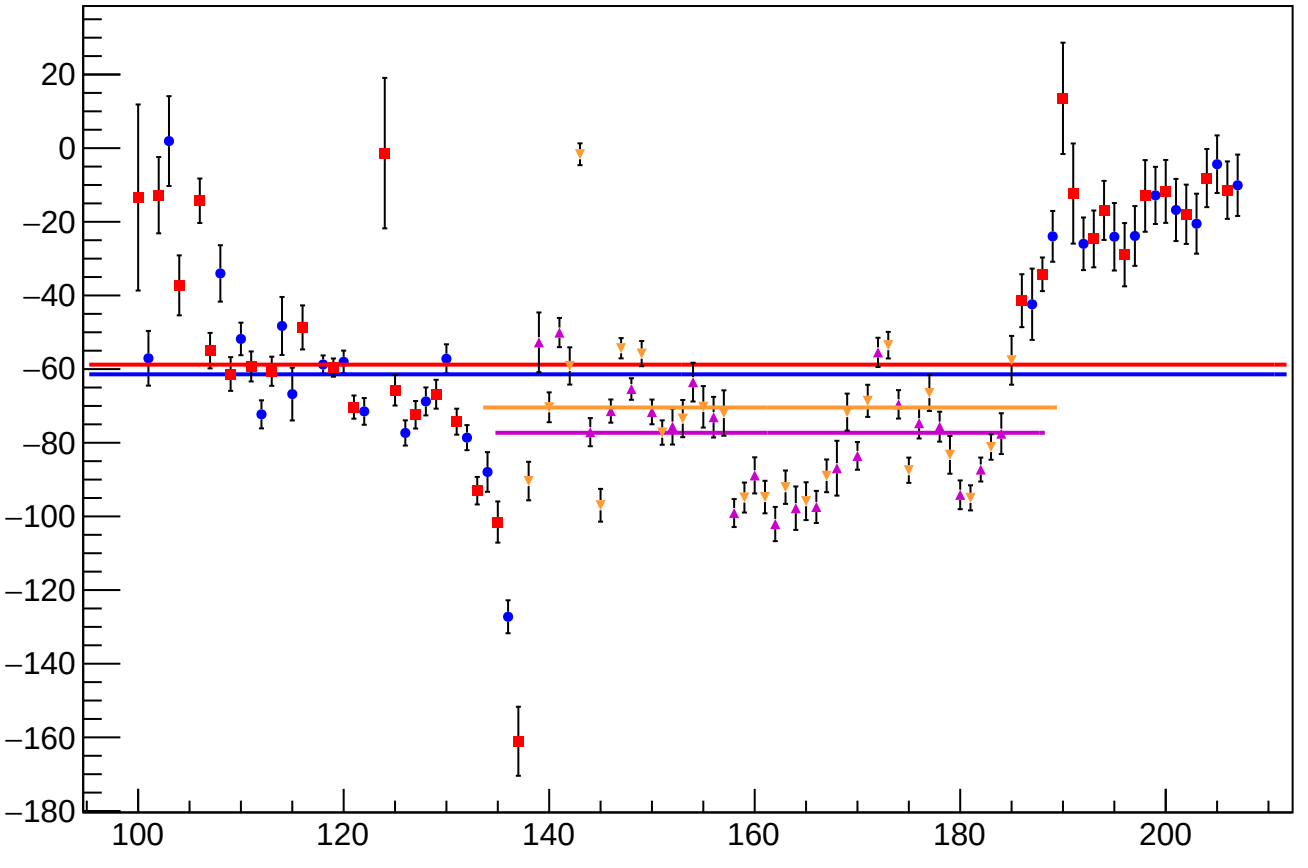
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -151.489+/-0.567 χ^2/NDF: 8740.2/56

In: -159.594+/-0.644 χ^2/NDF:4032.9/48

Out: -155.081+/-0.596 χ^2/NDF:9929.8/55

All: -157.162+/-0.437 χ^2/NDF: 13989.2/104



Right In: -61.417+/-0.957 χ^2/NDF: 638.9/25

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

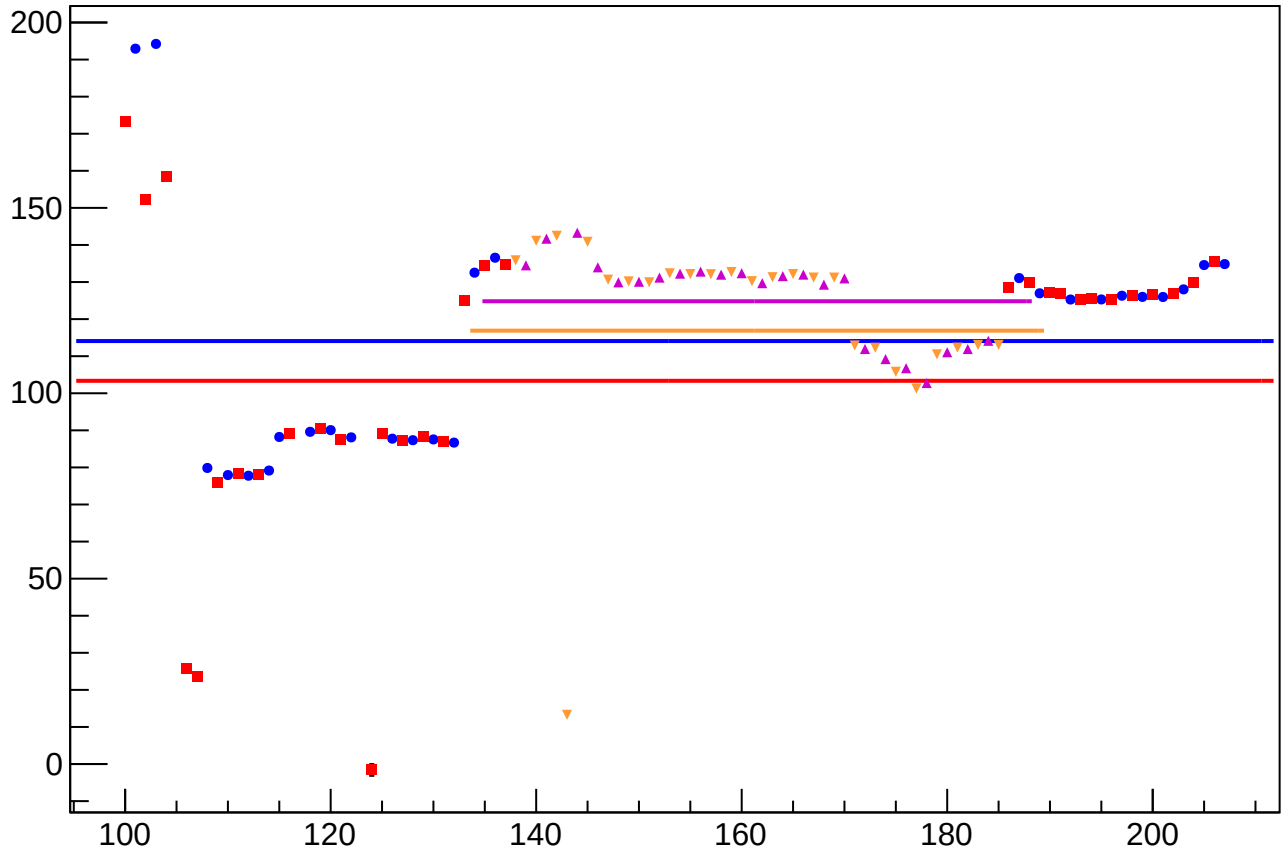
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -60.067+/-0.668 χ^2/NDF: 1337.9/56

In: -70.146+/-0.642 χ^2/NDF:1044.4/48

Out: -65.344+/-0.616 χ^2/NDF:1684.5/55

All: -67.647+/-0.445 χ^2/NDF: 2758.0/104



Right In: 114.083+/-0.055 χ^2/NDF: 277451.2/25

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

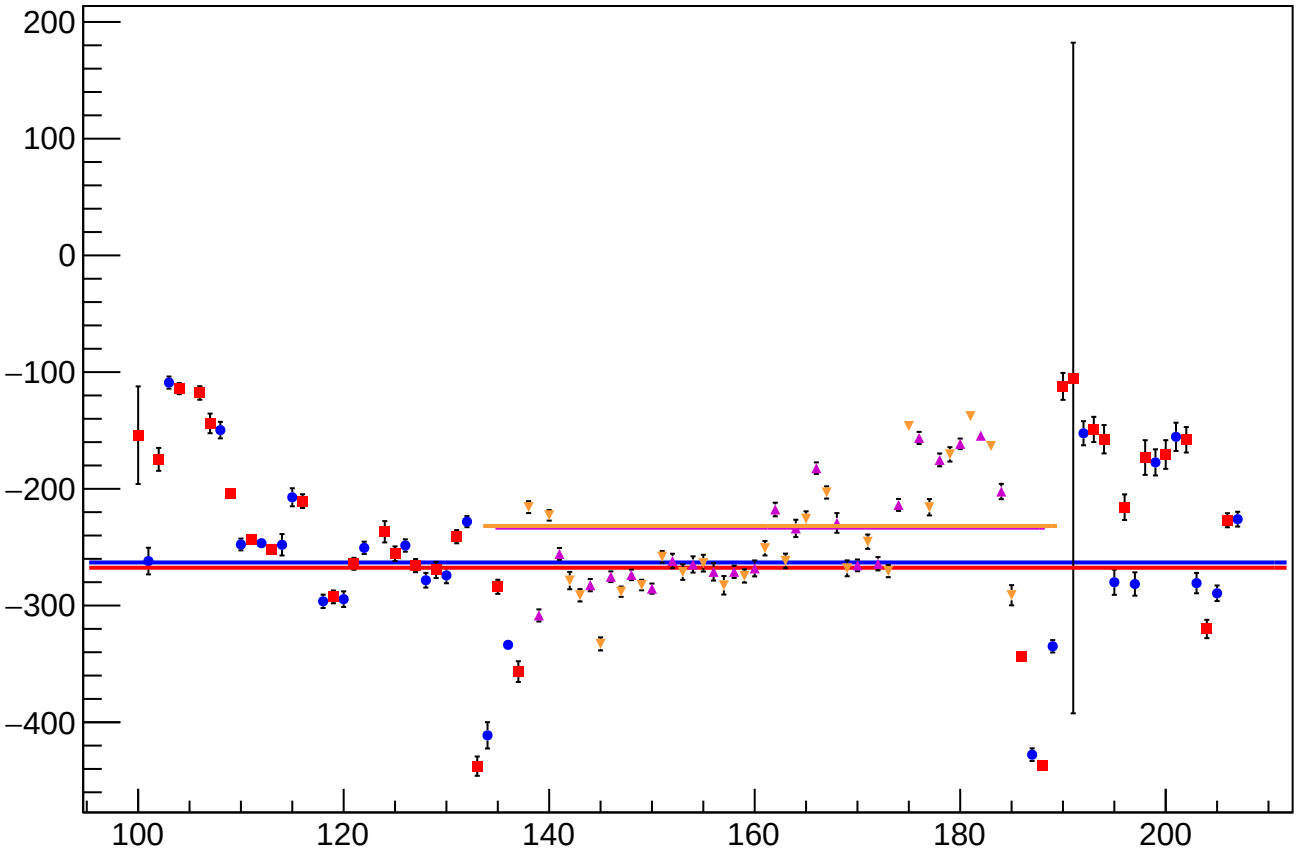
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

Right: 108.289+/-0.038 χ^2/NDF: 818447.2/56

In: 121.223+/-0.032 χ^2/NDF:390524.2/48

Out: 112.051+/-0.031 χ^2/NDF:1188861.5/55

All: 116.413+/-0.022 χ^2/NDF: 1622274.5/104



Right In: -263.103+/-1.235 χ^2/NDF: 3229.9/25

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

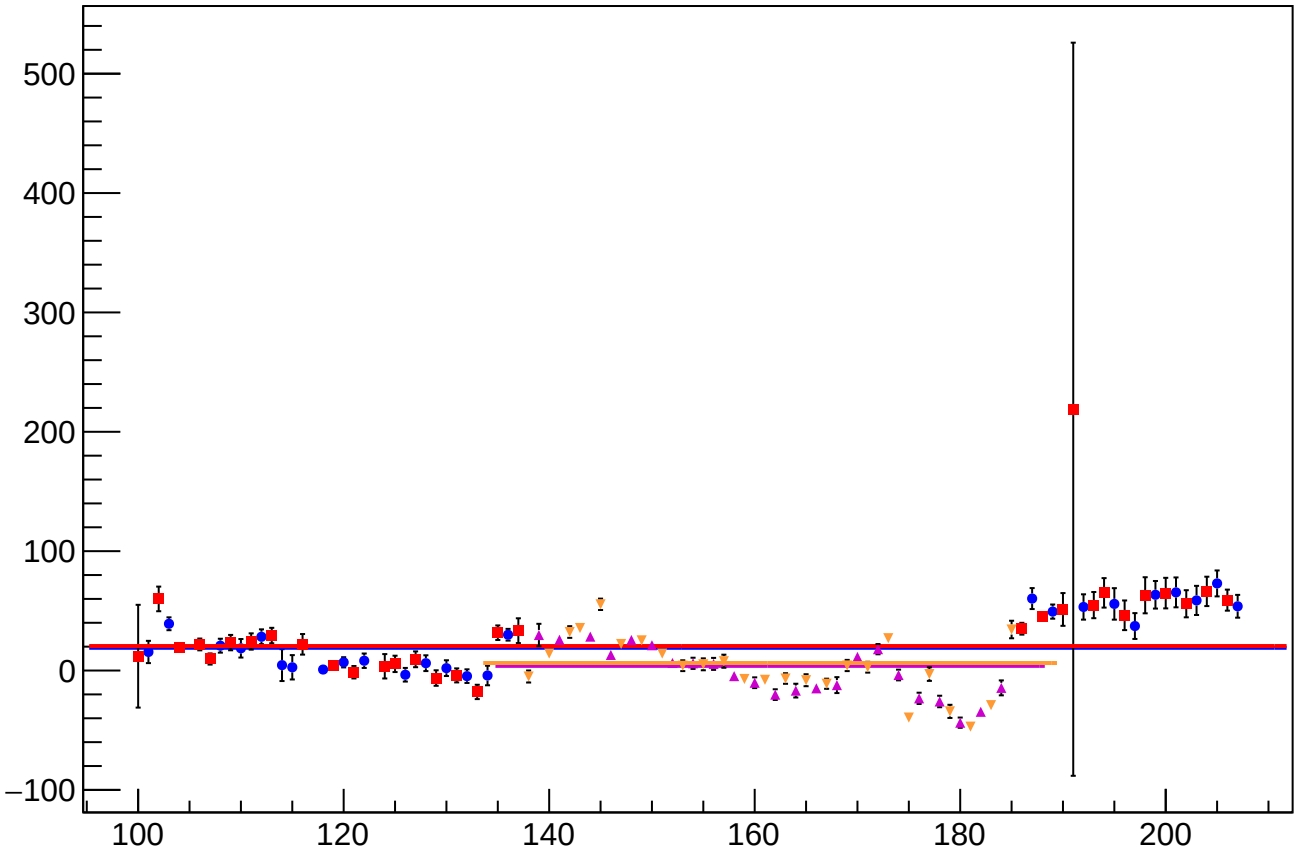
Left: -232.535+/-0.773 χ^2/NDF: 4744.4/47

Right: -265.623+/-0.818 χ^2/NDF: 10745.6/56

In: -246.566+/-0.824 χ^2/NDF:5620.6/48

Out: -249.521+/-0.768 χ^2/NDF:10726.4/55

All: -248.148+/-0.562 χ^2/NDF: 16353.9/104



Right In: 19.072+/-1.328 χ^2/NDF: 261.7/25

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 20.523+/-1.193 χ^2/NDF: 294.7/30

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

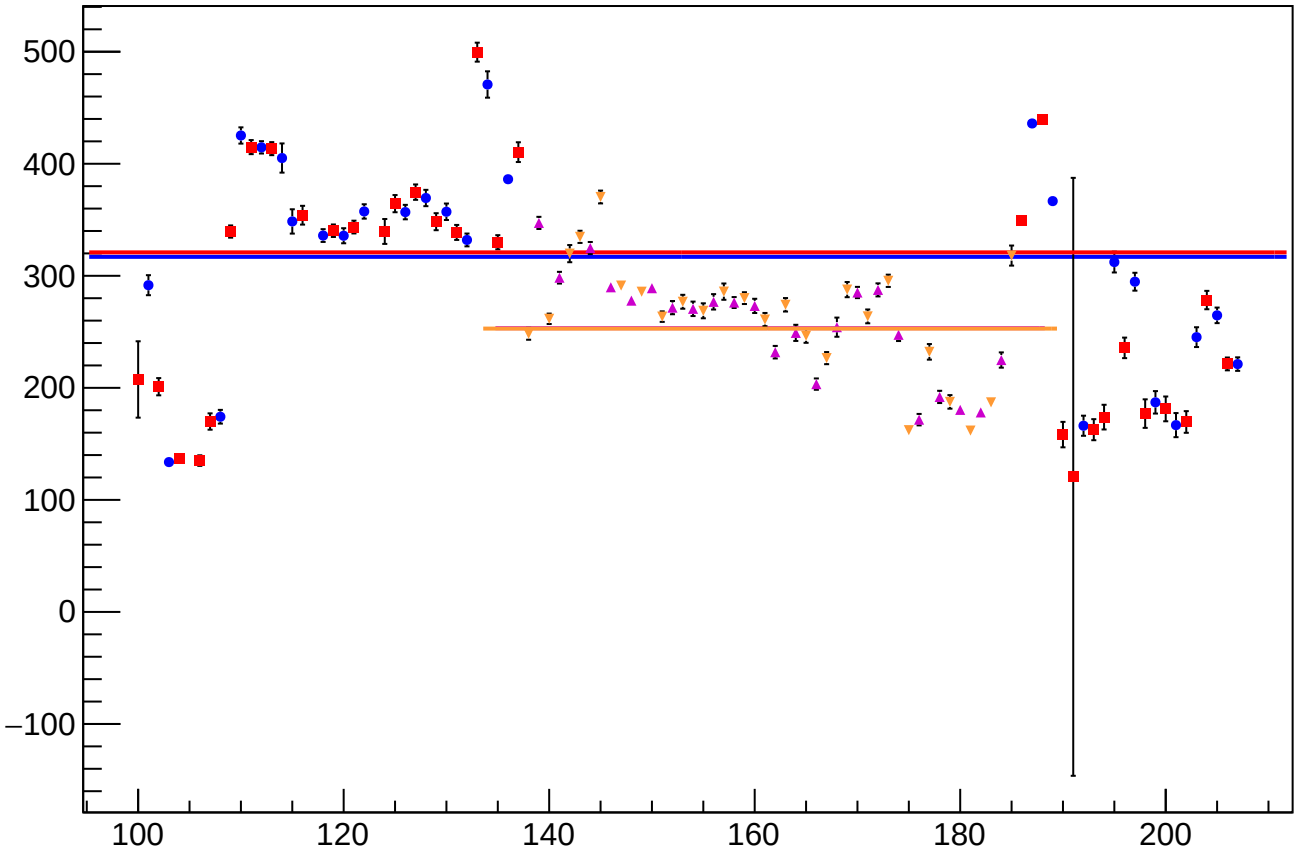
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

Right: 19.875+/-0.888 χ^2/NDF: 557.1/56

In: 8.078+/-0.697 χ^2/NDF:1006.5/48

Out: 10.620+/-0.658 χ^2/NDF:1265.2/55

All: 9.421+/-0.478 χ^2/NDF: 2278.8/104



Right In: 316.923+/-1.272 χ^2/NDF: 5664.3/25

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

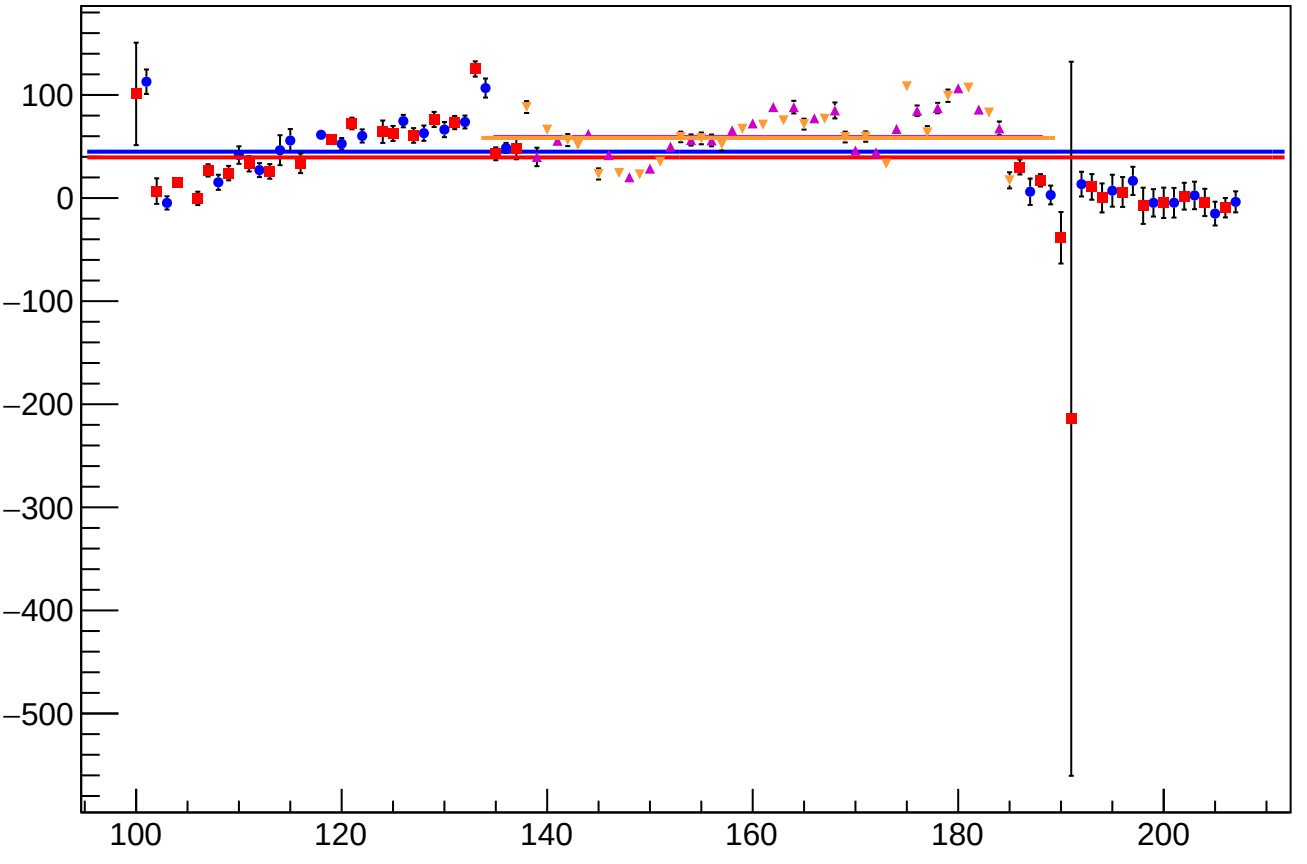
Left: 253.063+/-0.765 χ^2/NDF: 4638.7/47

Right: 319.234+/-0.826 χ^2/NDF: 15761.3/56

In: 280.307+/-0.829 χ^2/NDF:9165.2/48

Out: 286.402+/-0.762 χ^2/NDF:14660.2/55

All: 283.609+/-0.561 χ^2/NDF: 23854.6/104



Right In: 44.992+/-1.554 χ^2/NDF: 375.5/25

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

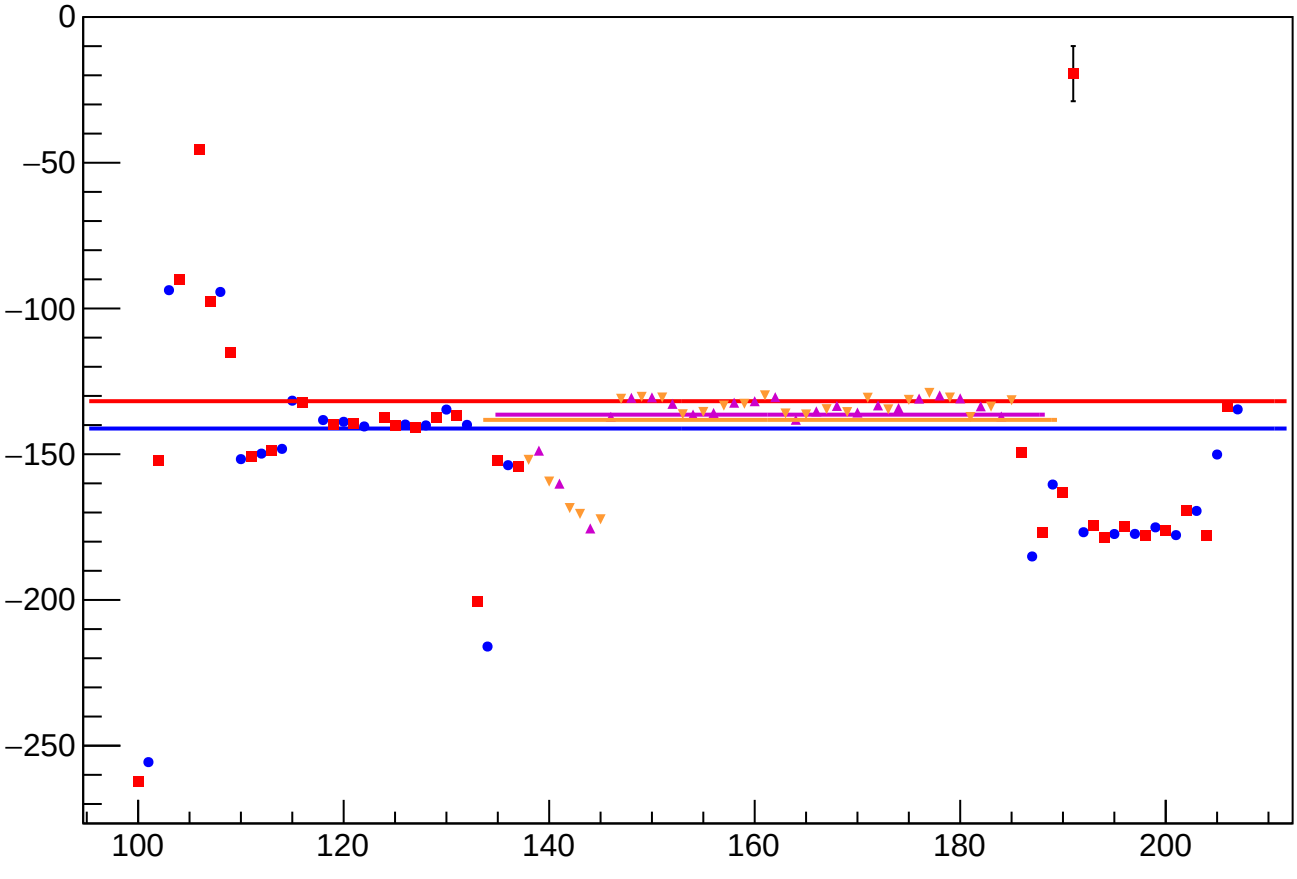
Left: 58.716+/-0.654 χ^2/NDF: 1483.1/47

Right: 41.992+/-1.052 χ^2/NDF: 834.9/56

In: 55.367+/-0.803 χ^2/NDF:1068.8/48

Out: 52.858+/-0.769 χ^2/NDF:1426.4/55

All: 54.057+/-0.555 χ^2/NDF: 2500.3/104



Right In: -141.187+/-0.076 χ^2/NDF: 234773.9/25

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

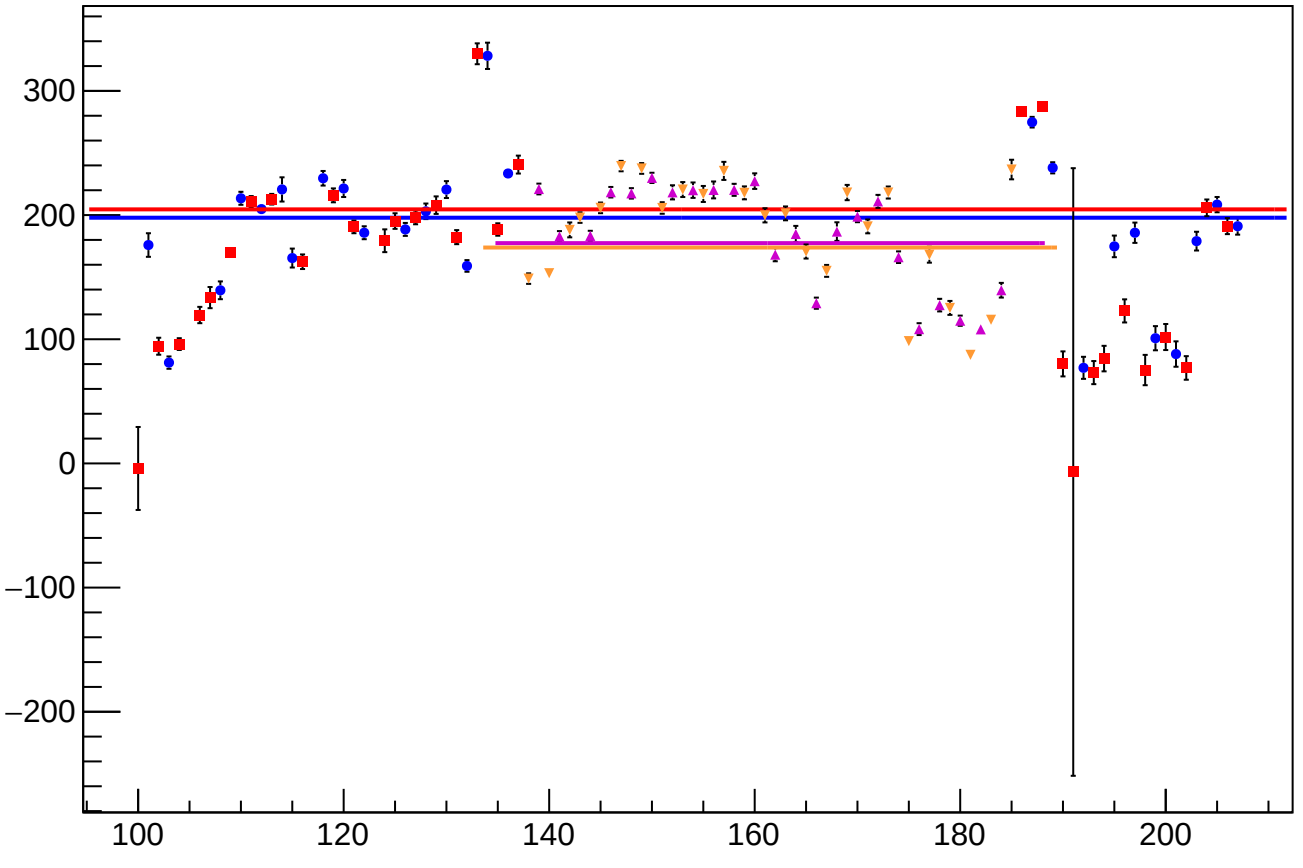
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -136.183+/-0.052 χ^2/NDF: 575588.9/56

In: -137.568+/-0.037 χ^2/NDF:287517.9/48

Out: -136.542+/-0.037 χ^2/NDF:420547.2/55

All: -137.043+/-0.026 χ^2/NDF: 708451.1/104



Right In: 197.877+/-1.166 χ^2/NDF: 1863.3/25

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

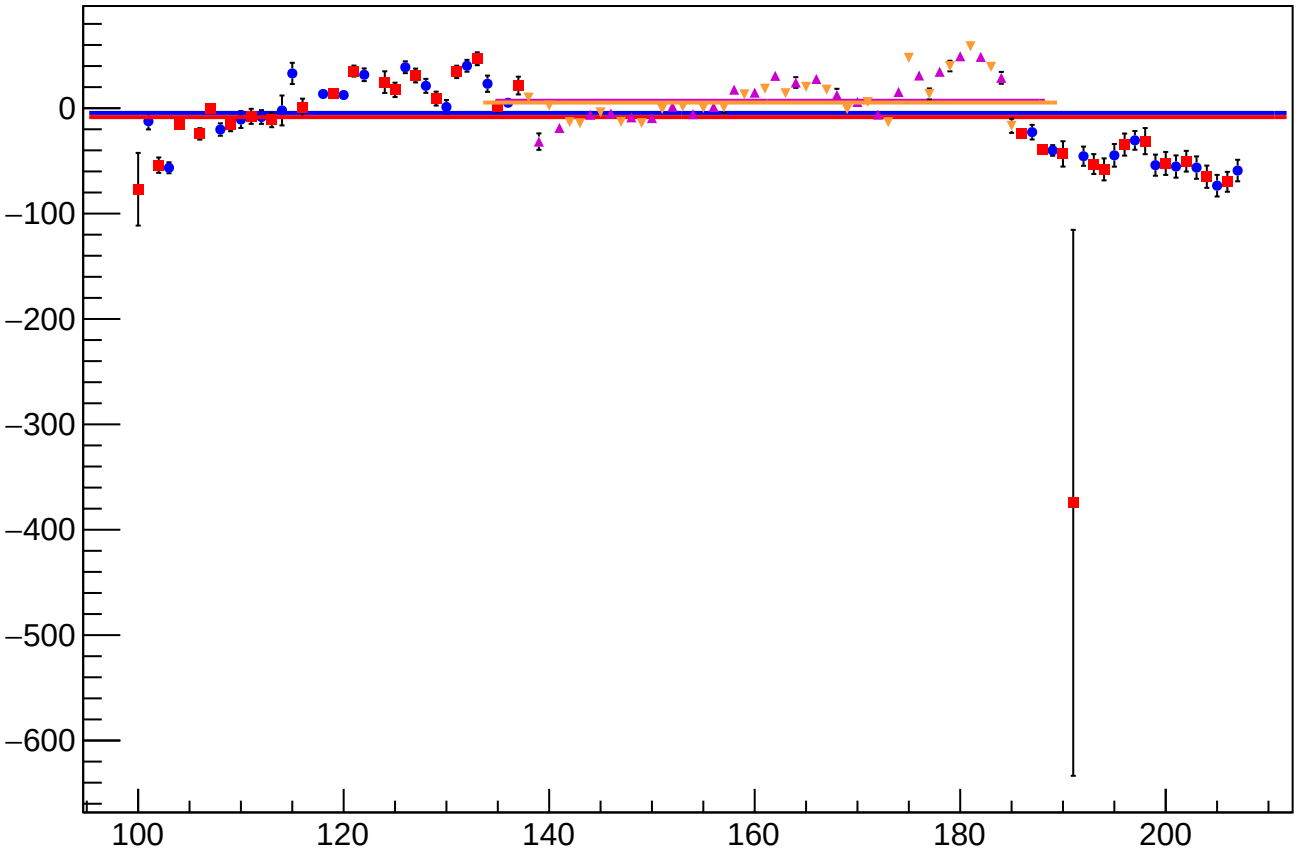
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 201.664+/-0.770 χ^2/NDF: 6079.8/56

In: 186.038+/-0.757 χ^2/NDF:4004.7/48

Out: 188.239+/-0.702 χ^2/NDF:7302.8/55

All: 187.222+/-0.515 χ^2/NDF: 11312.0/104



Right In: -4.465+/-1.269 χ^2/NDF: 601.7/25

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

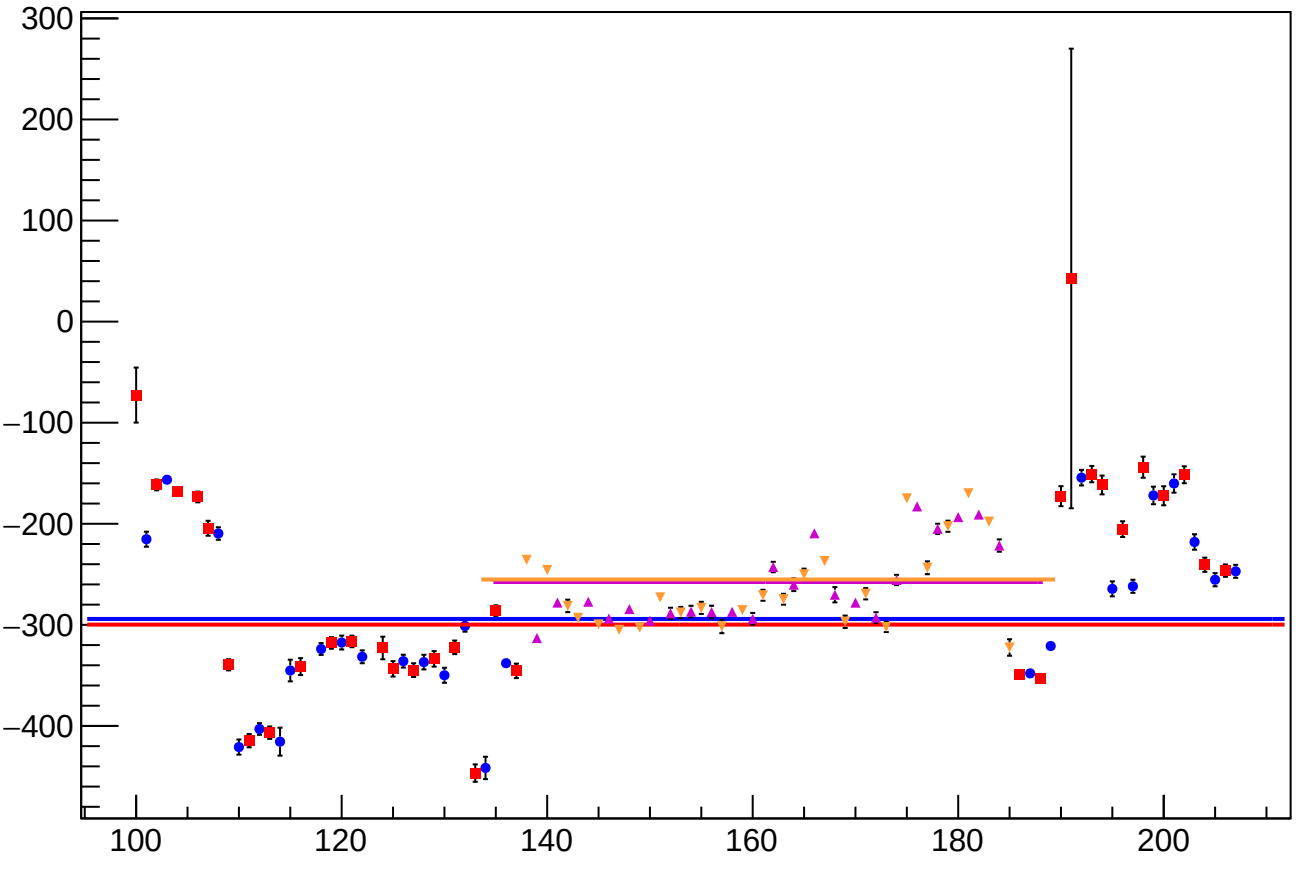
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -6.684+/-0.847 χ^2/NDF: 1268.9/56

In: 4.130+/-0.640 χ^2/NDF:1372.9/48

Out: 1.482+/-0.603 χ^2/NDF:1578.0/55

All: 2.726+/-0.439 χ^2/NDF: 2959.9/104



Right In: -294.151+/-1.172 χ^2/NDF: 4078.8/25

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

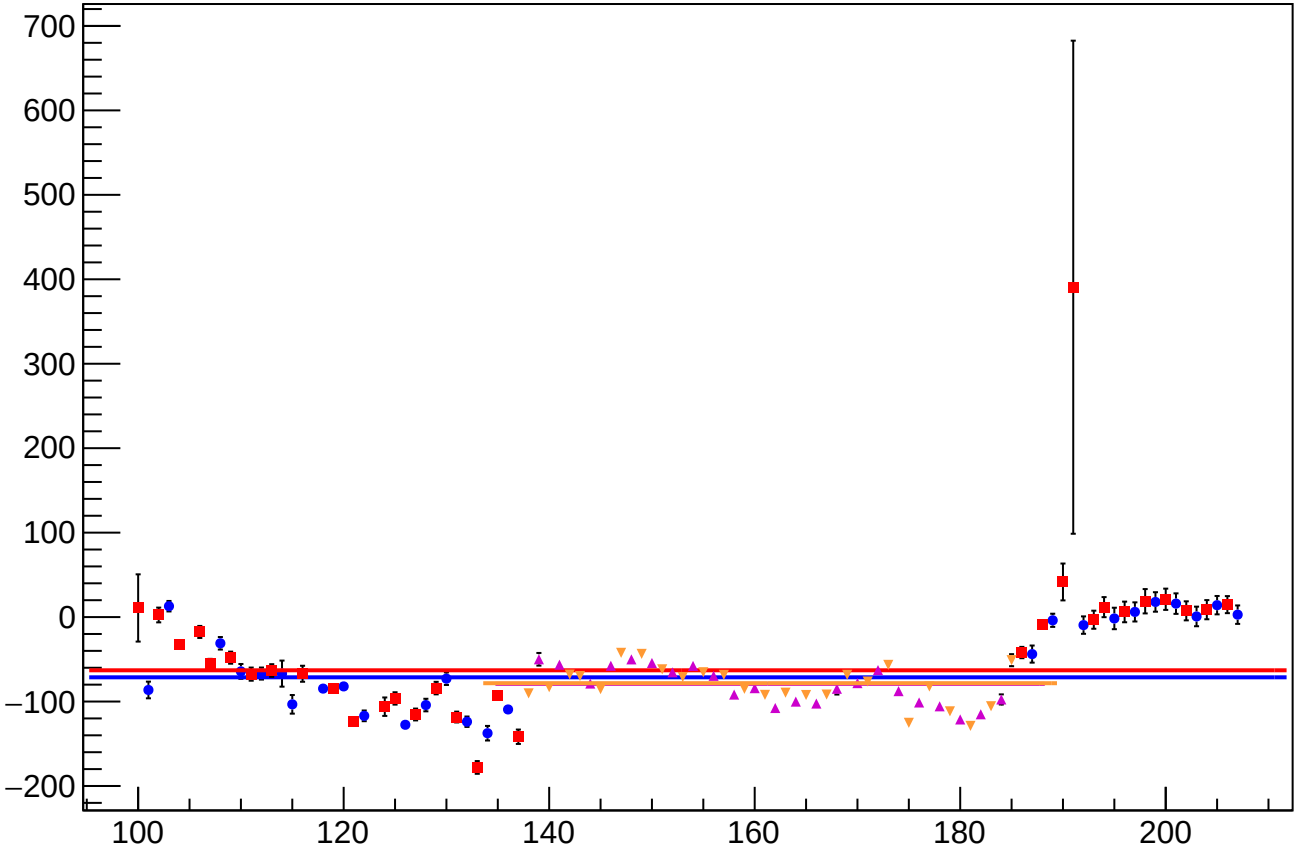
Right: -297.422+/-0.757 χ^2/NDF: 10795.0/56

In: -272.734+/-0.754 χ^2/NDF:6457.2/48

Out: -276.647+/-0.688 χ^2/NDF:10098.3/55

All: -274.868+/-0.508 χ^2/NDF: 16570.2/104

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -71.313+/-1.485 χ^2/NDF: 1068.0/25

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

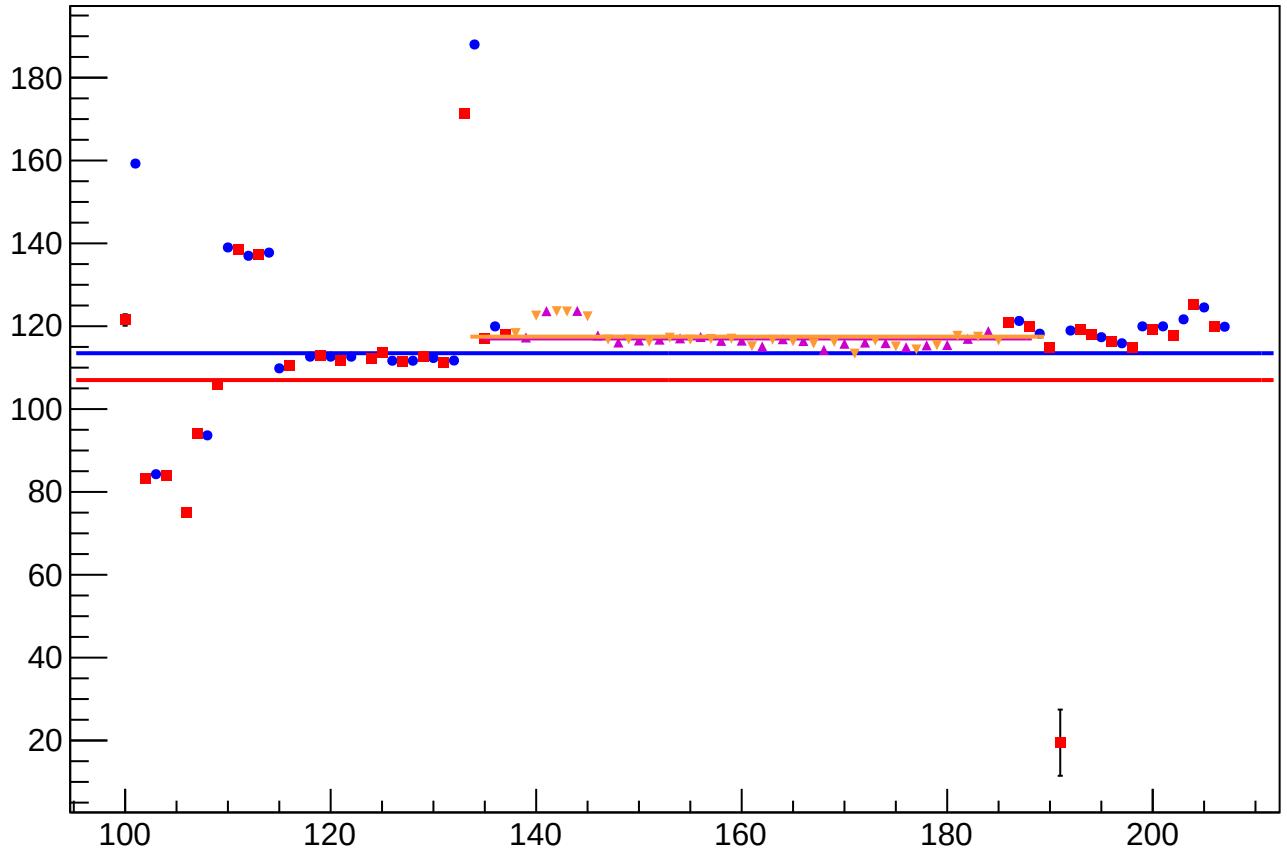
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -66.823+/-1.007 χ^2/NDF: 2373.6/56

In: -77.158+/-0.737 χ^2/NDF:1791.1/48

Out: -74.269+/-0.703 χ^2/NDF:2248.6/55

All: -75.645+/-0.509 χ^2/NDF: 4047.8/104



Right In: 113.485+/-0.071 χ^2/NDF: 87159.1/25

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

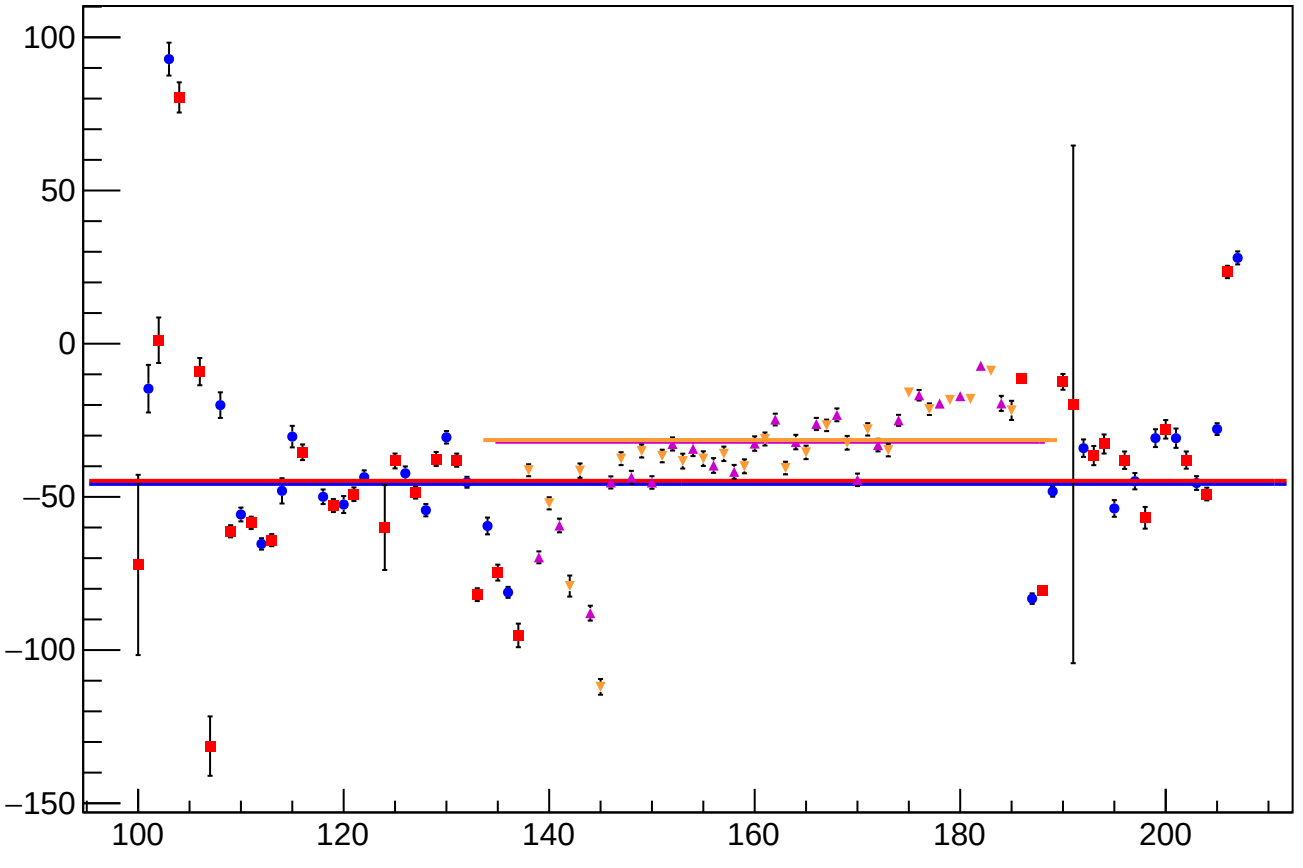
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 110.016+/-0.048 χ^2/NDF: 170694.3/56

In: 116.227+/-0.034 χ^2/NDF:92459.6/48

Out: 114.859+/-0.033 χ^2/NDF:102751.4/55

All: 115.523+/-0.024 χ^2/NDF: 196049.7/104



Right In: -45.754+/-0.463 χ^2/NDF: 3204.4/25

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

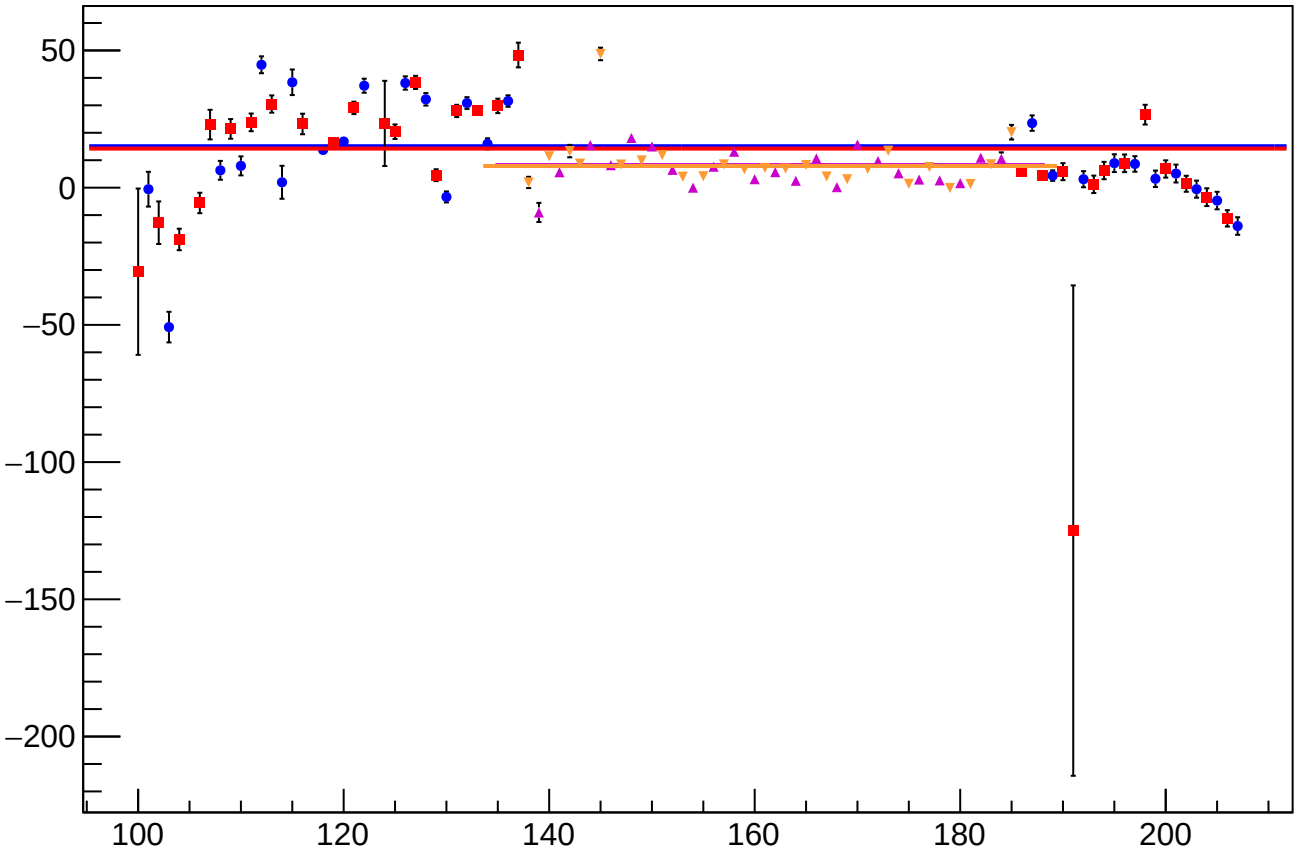
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

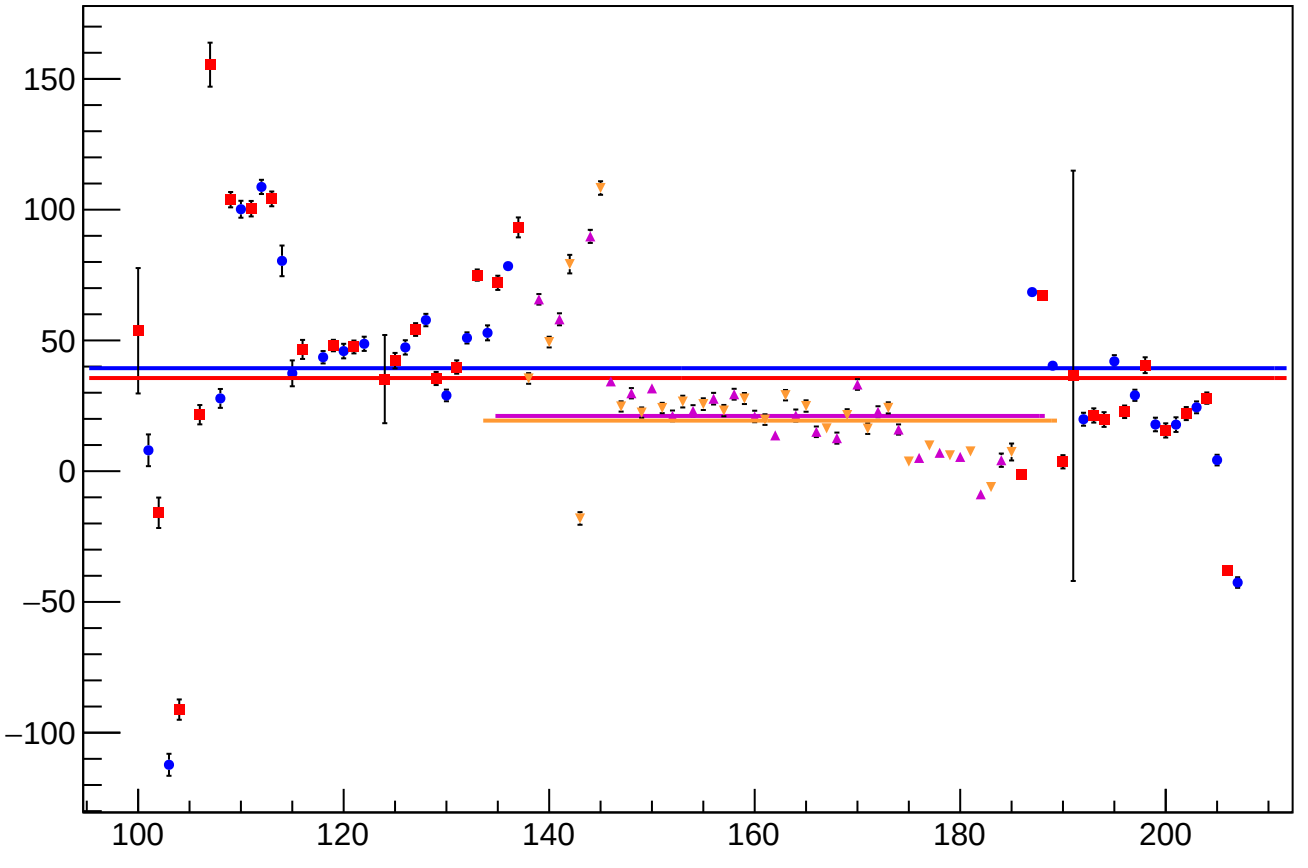
Right: -45.200+/-0.308 χ^2/NDF: 8593.4/56

In: -38.035+/-0.307 χ^2/NDF:5612.0/48

Out: -37.898+/-0.286 χ^2/NDF:7917.8/55

All: -37.962+/-0.209 χ^2/NDF: 13529.9/104


reg_asym_at1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: 15.104+/-0.506 χ²/NDF: 938.7/25
Left Out: 7.897+/-0.304 χ²/NDF:490.5/24
Right Out: 14.238+/-0.466 χ²/NDF: 812.8/30
Left In: 8.223+/-0.316 χ²/NDF:338.8/22
Left: 8.054+/-0.219 χ²/NDF: 829.9/47
Right: 14.635+/-0.343 χ²/NDF: 1753.1/56
In: 10.149+/-0.268 χ²/NDF:1410.7/48
Out: 9.790+/-0.255 χ²/NDF:1433.3/55
All: 9.960+/-0.184 χ²/NDF: 2844.9/104



Right In: 39.387+/-0.470 χ^2/NDF: 5627.7/25

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

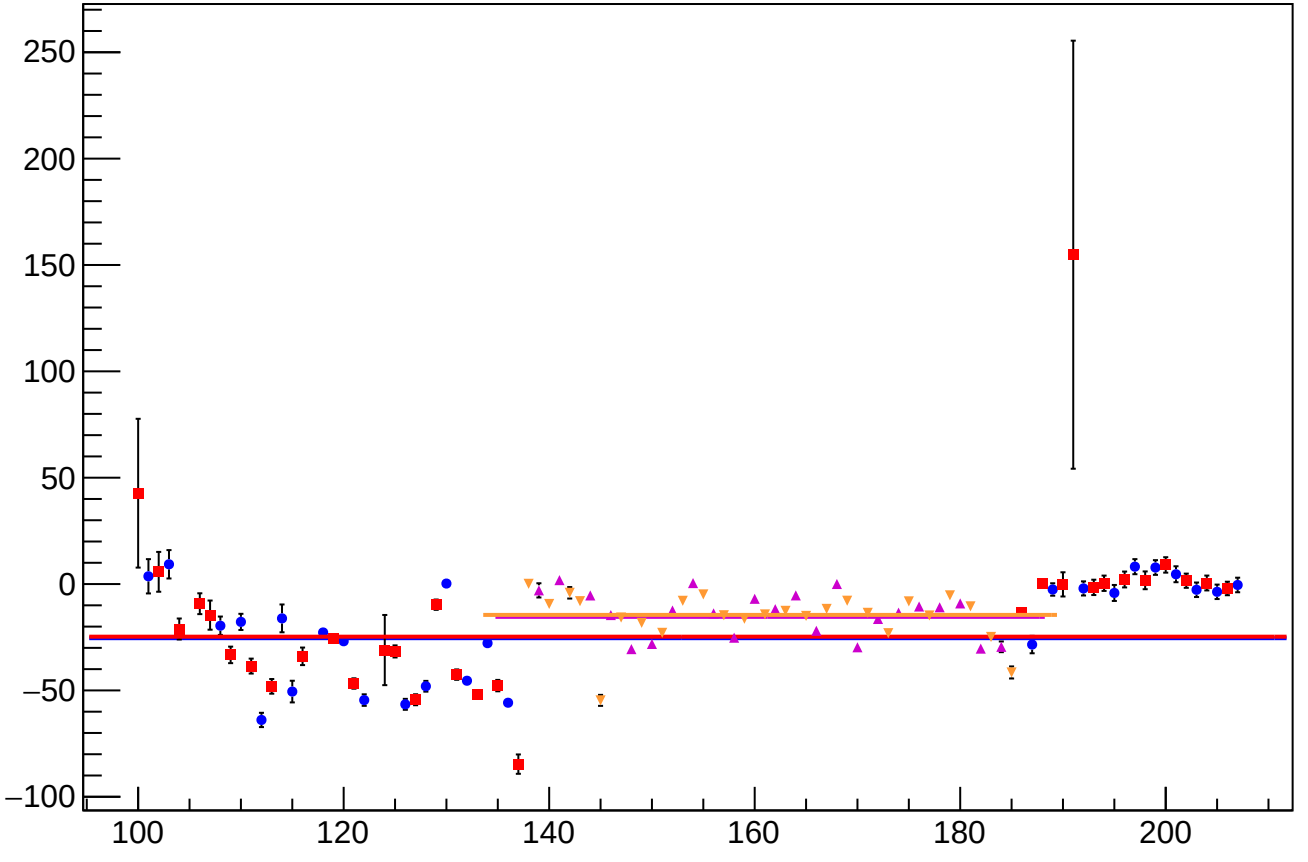
Right: 37.174+/-0.302 χ^2/NDF: 14774.0/56

In: 28.909+/-0.307 χ^2/NDF:9000.2/48

Out: 27.507+/-0.279 χ^2/NDF:12640.5/55

All: 28.143+/-0.206 χ^2/NDF: 21652.2/104

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -25.444+/-0.590 χ^2/NDF: 1493.0/25

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -24.739+/-0.565 χ^2/NDF: 1505.6/30

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

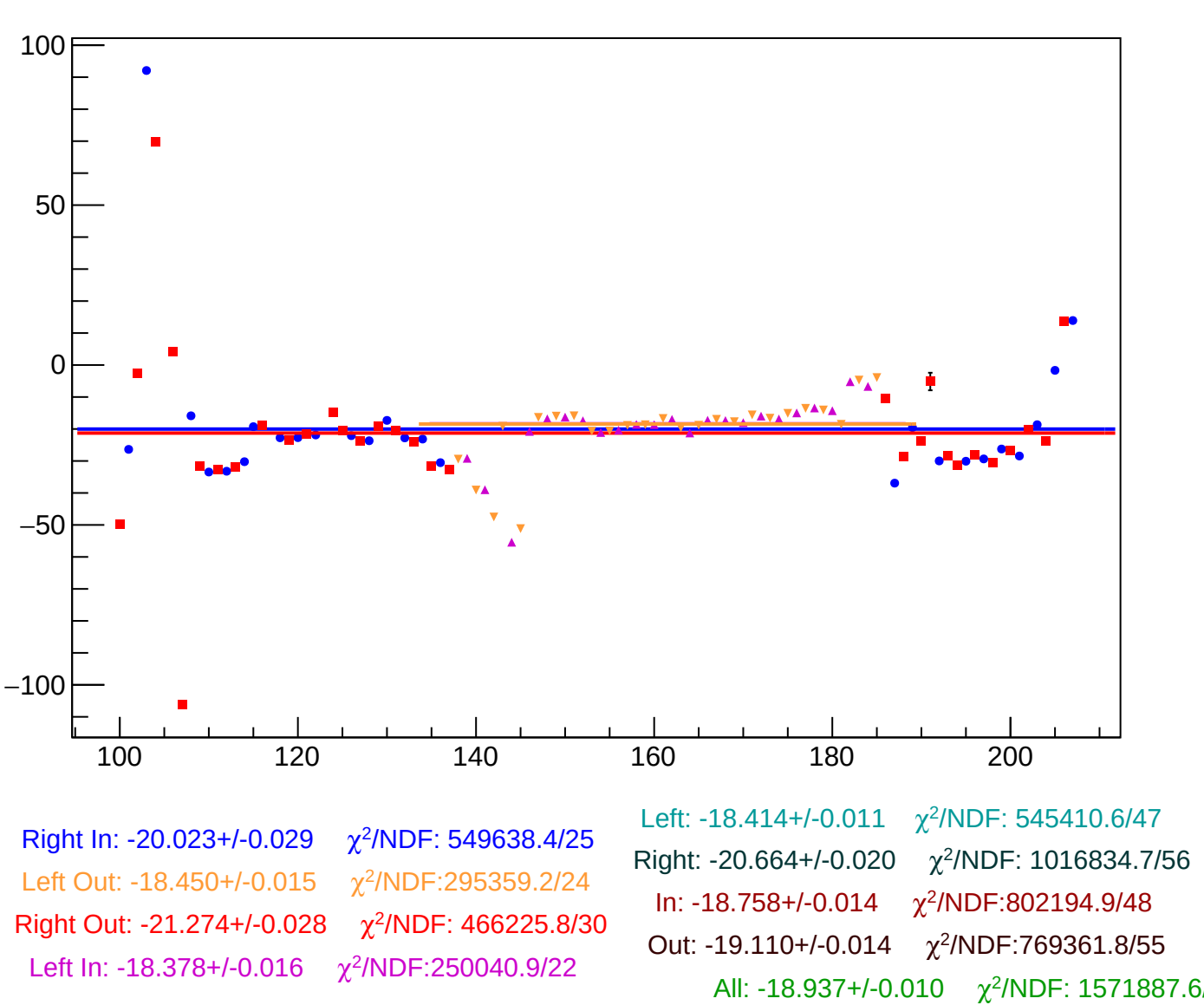
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

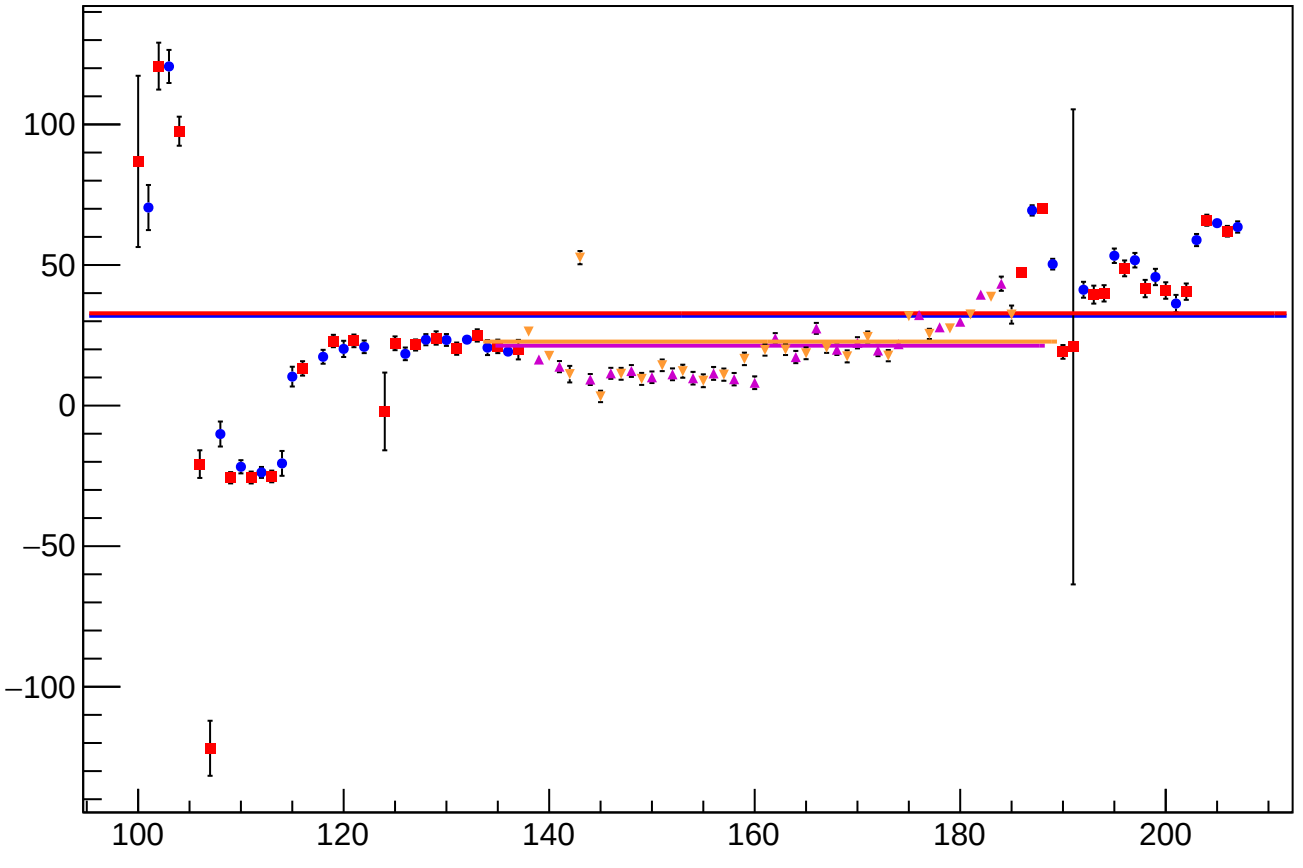
Right: -25.076+/-0.408 χ^2/NDF: 2999.3/56

In: -18.084+/-0.304 χ^2/NDF:2503.6/48

Out: -17.273+/-0.294 χ^2/NDF:2386.3/55

All: -17.664+/-0.211 χ^2/NDF: 4893.6/104


reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -20.023+/-0.029 χ²/NDF: 549638.4/25
Left Out: -18.450+/-0.015 χ²/NDF:295359.2/24
Right Out: -21.274+/-0.028 χ²/NDF: 466225.8/30
Left In: -18.378+/-0.016 χ²/NDF:250040.9/22
Left: -18.414+/-0.011 χ²/NDF: 545410.6/47
Right: -20.664+/-0.020 χ²/NDF: 1016834.7/56
In: -18.758+/-0.014 χ²/NDF:802194.9/48
Out: -19.110+/-0.014 χ²/NDF:769361.8/55
All: -18.937+/-0.010 χ²/NDF: 1571887.6/104



Right In: 31.943+/-0.464 χ^2/NDF: 3519.9/25

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

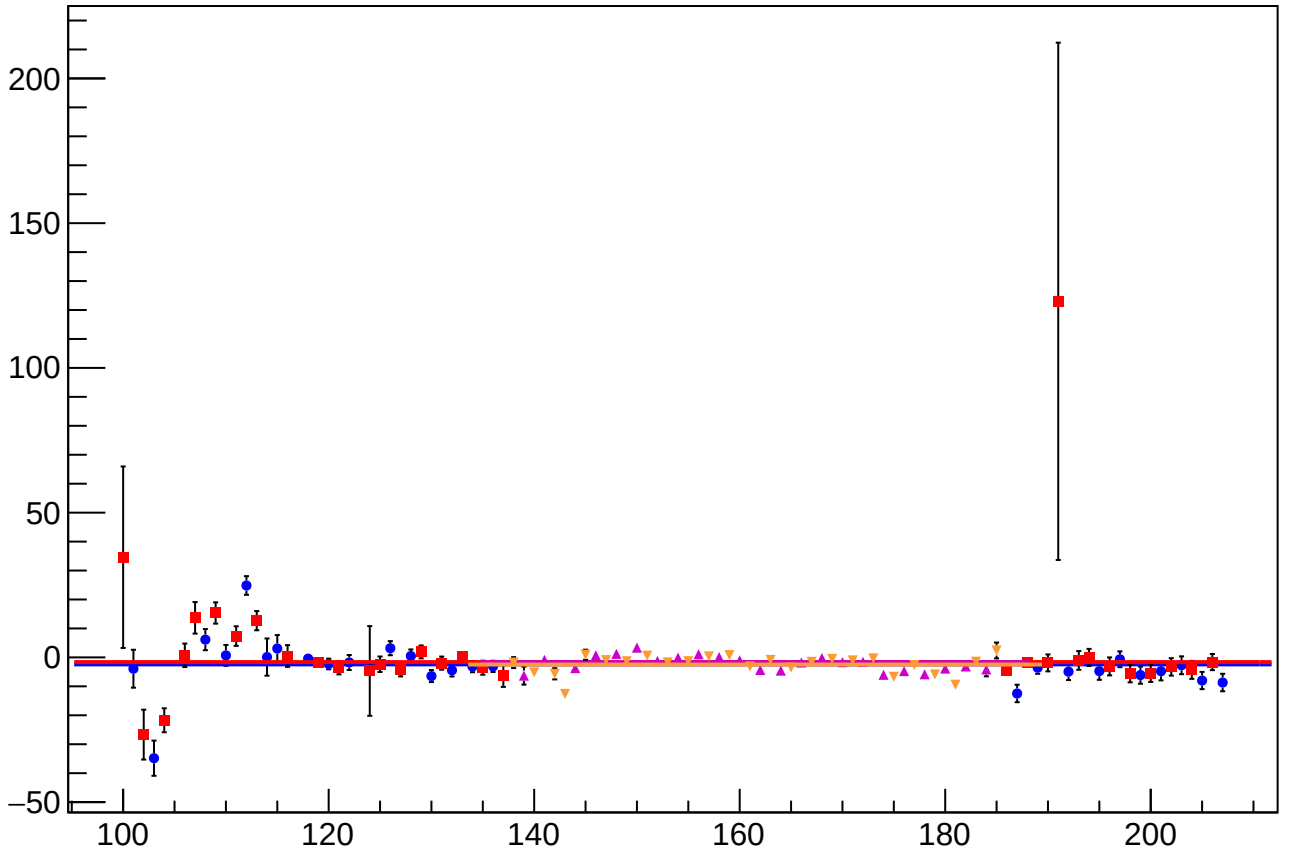
Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

Right: 32.423+/-0.314 χ^2/NDF: 8752.3/56

In: 25.756+/-0.300 χ^2/NDF:4454.8/48

Out: 27.256+/-0.285 χ^2/NDF:6261.8/55

All: 26.545+/-0.206 χ^2/NDF: 10729.8/104



Right In: -2.407+/-0.510 χ^2/NDF: 144.7/25

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

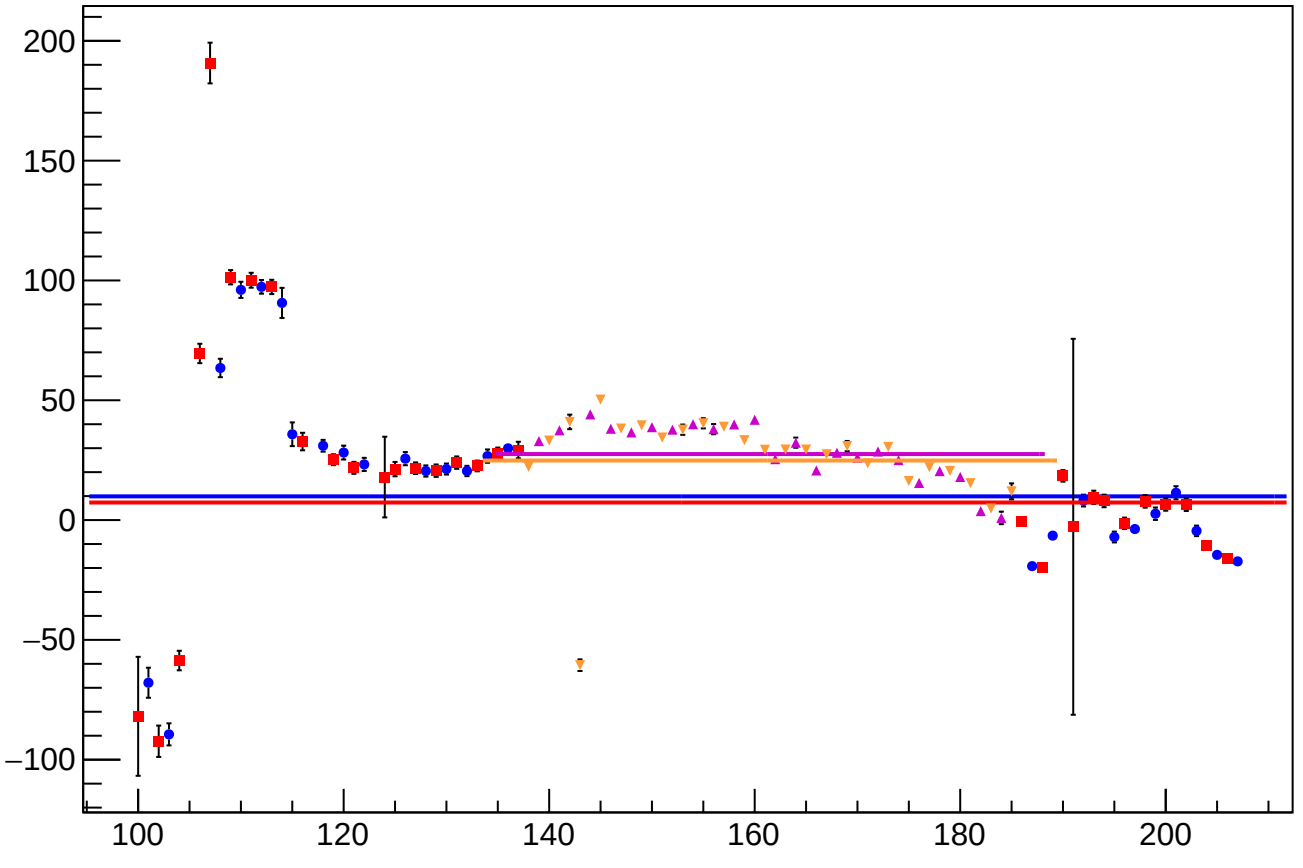
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.995+/-0.350 χ^2/NDF: 252.3/56

In: -1.855+/-0.261 χ^2/NDF:216.5/48

Out: -2.241+/-0.250 χ^2/NDF:225.3/55

All: -2.056+/-0.181 χ^2/NDF: 442.9/104



Right In: 9.891+/-0.472 χ^2/NDF: 4010.6/25

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

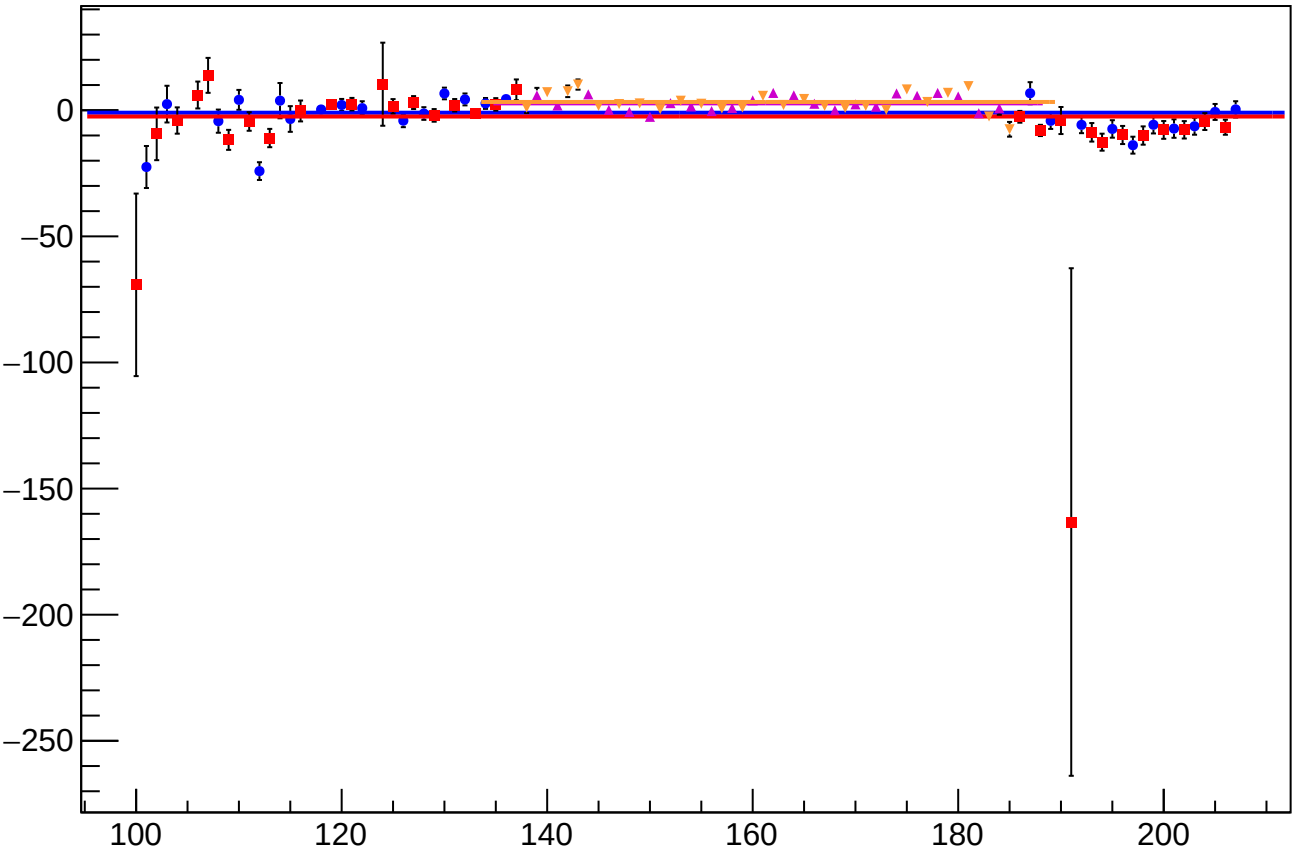
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 8.442+/-0.311 χ^2/NDF: 9773.4/56

In: 20.415+/-0.300 χ^2/NDF:5725.7/48

Out: 16.845+/-0.280 χ^2/NDF:8767.4/55

All: 18.506+/-0.205 χ^2/NDF: 14568.7/104



Right In: -0.971+/-0.590 χ^2/NDF: 115.7/25

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

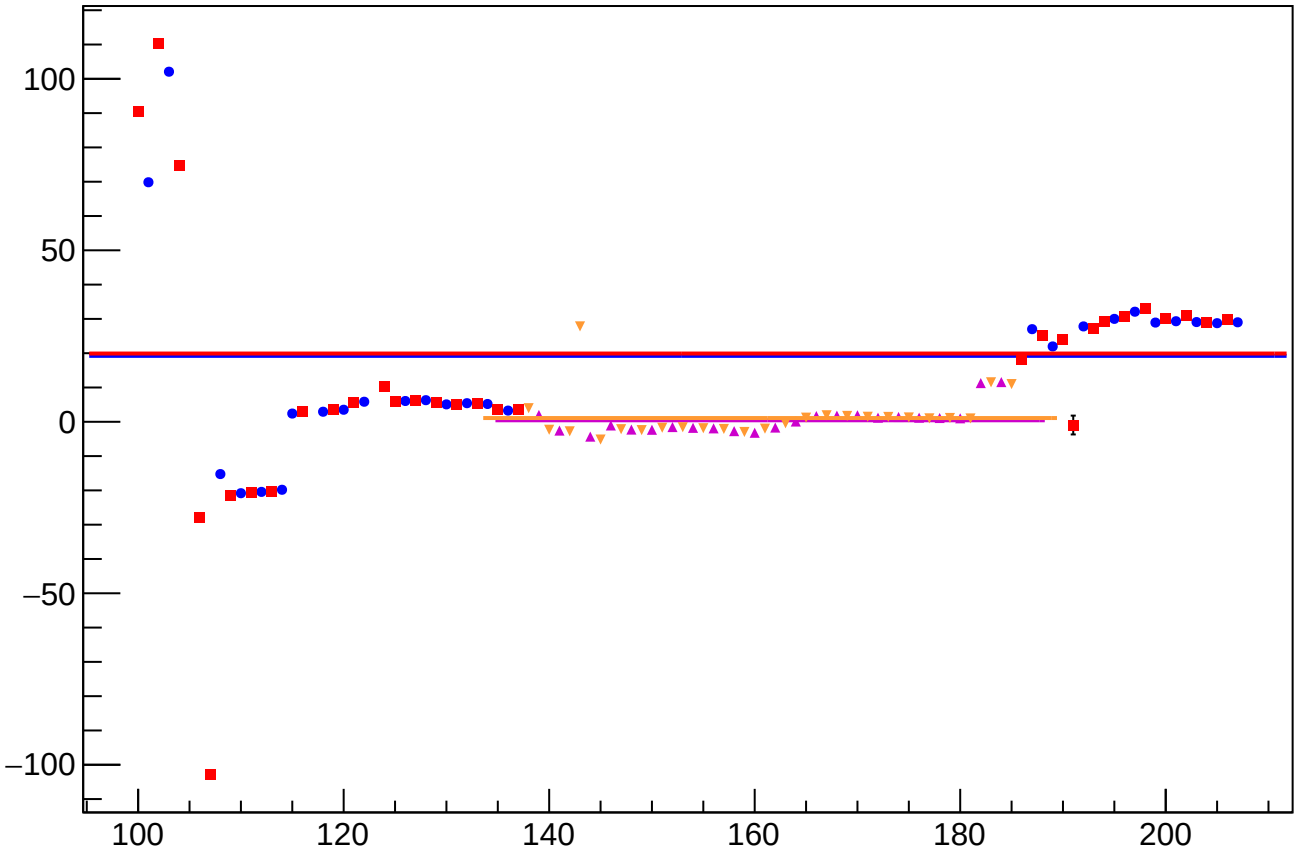
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.745+/-0.413 χ^2/NDF: 210.2/56

In: 1.798+/-0.296 χ^2/NDF:219.6/48

Out: 1.858+/-0.287 χ^2/NDF:272.6/55

All: 1.829+/-0.206 χ^2/NDF: 492.3/104



Right In: 19.229+/-0.028 χ^2/NDF: 472729.6/25

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

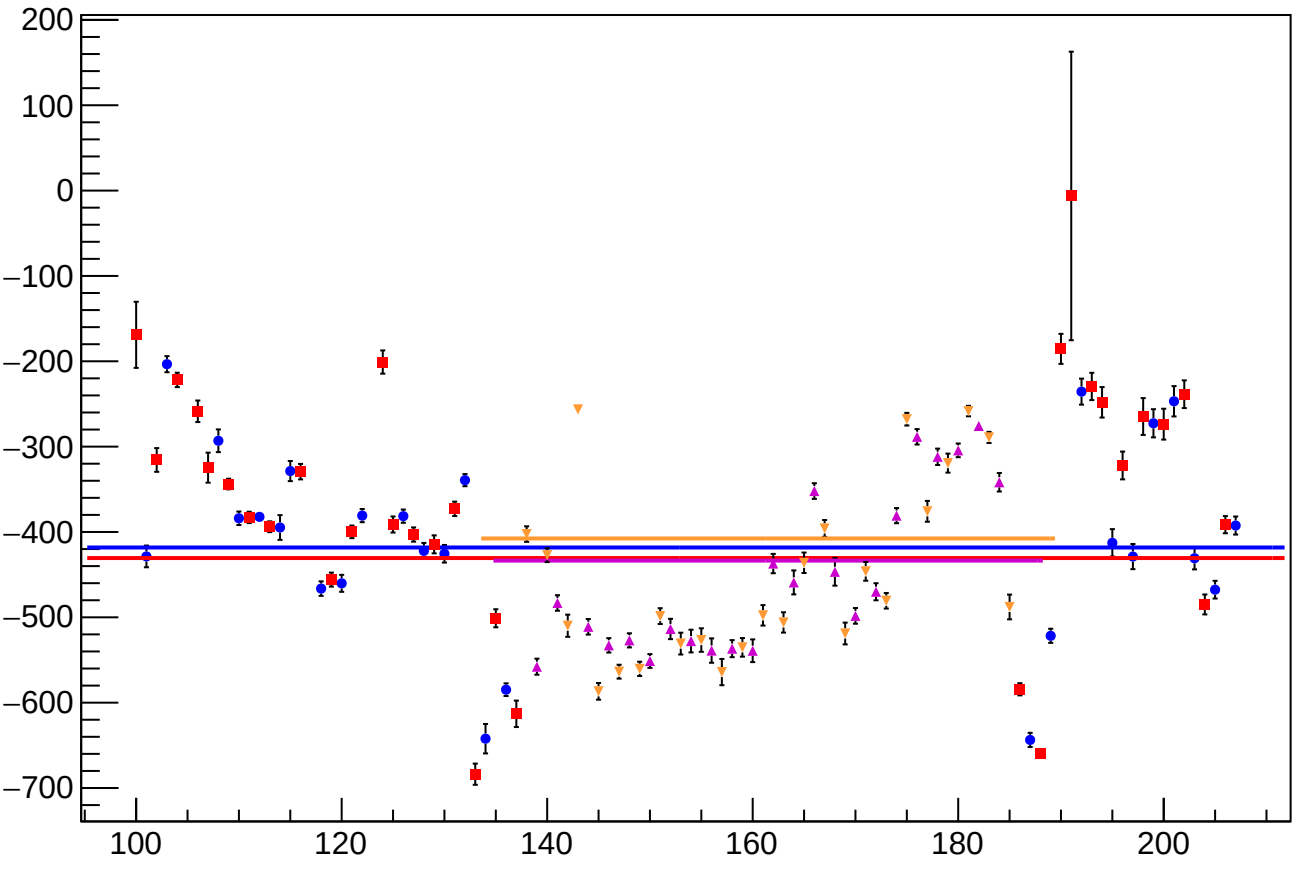
Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

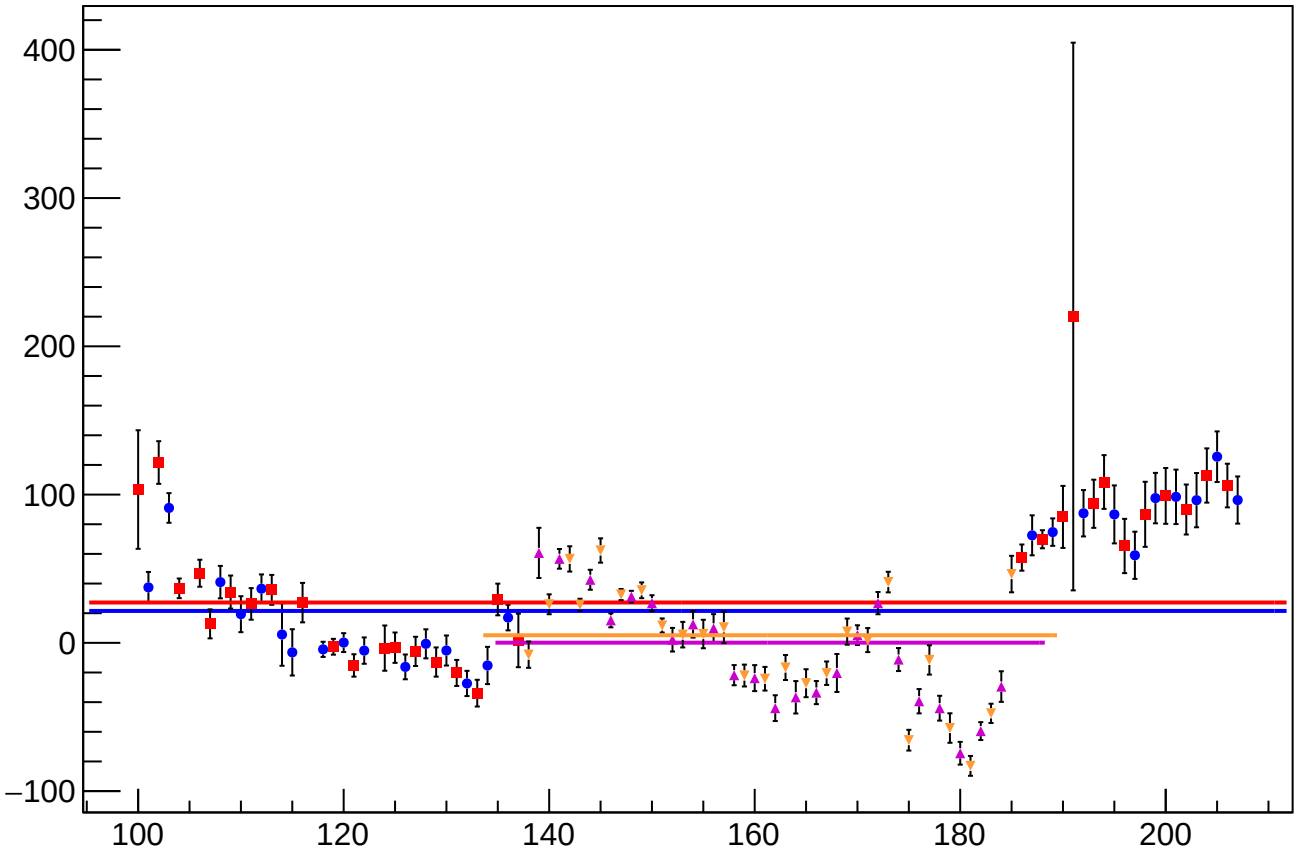
Right: 19.570+/-0.020 χ^2/NDF: 1096660.9/56

In: 4.611+/-0.013 χ^2/NDF:870192.1/48

Out: 5.252+/-0.013 χ^2/NDF:1107639.0/55

All: 4.936+/-0.009 χ^2/NDF: 1979010.5/104


reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected
200
100
0
−100
−200
−300
−400
−500
−600
−700
100
120
140
160
180
200
Right In: -418.187+/-1.914 χ²/NDF: 2854.5/25
Left Out: -407.620+/-1.868 χ²/NDF:4005.6/24
Right Out: -430.547+/-1.732 χ²/NDF: 6347.1/30
Left In: -433.529+/-1.993 χ²/NDF:2724.5/22
Left: -419.735+/-1.363 χ²/NDF: 6820.1/47
Right: -424.983+/-1.284 χ²/NDF: 9224.5/56
In: -425.550+/-1.381 χ²/NDF:5609.8/48
Out: -419.946+/-1.270 χ²/NDF:10433.7/55
All: -422.515+/-0.935 χ²/NDF: 16052.4/104



Right In: 21.527+/-2.043 χ^2/NDF: 375.4/25

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

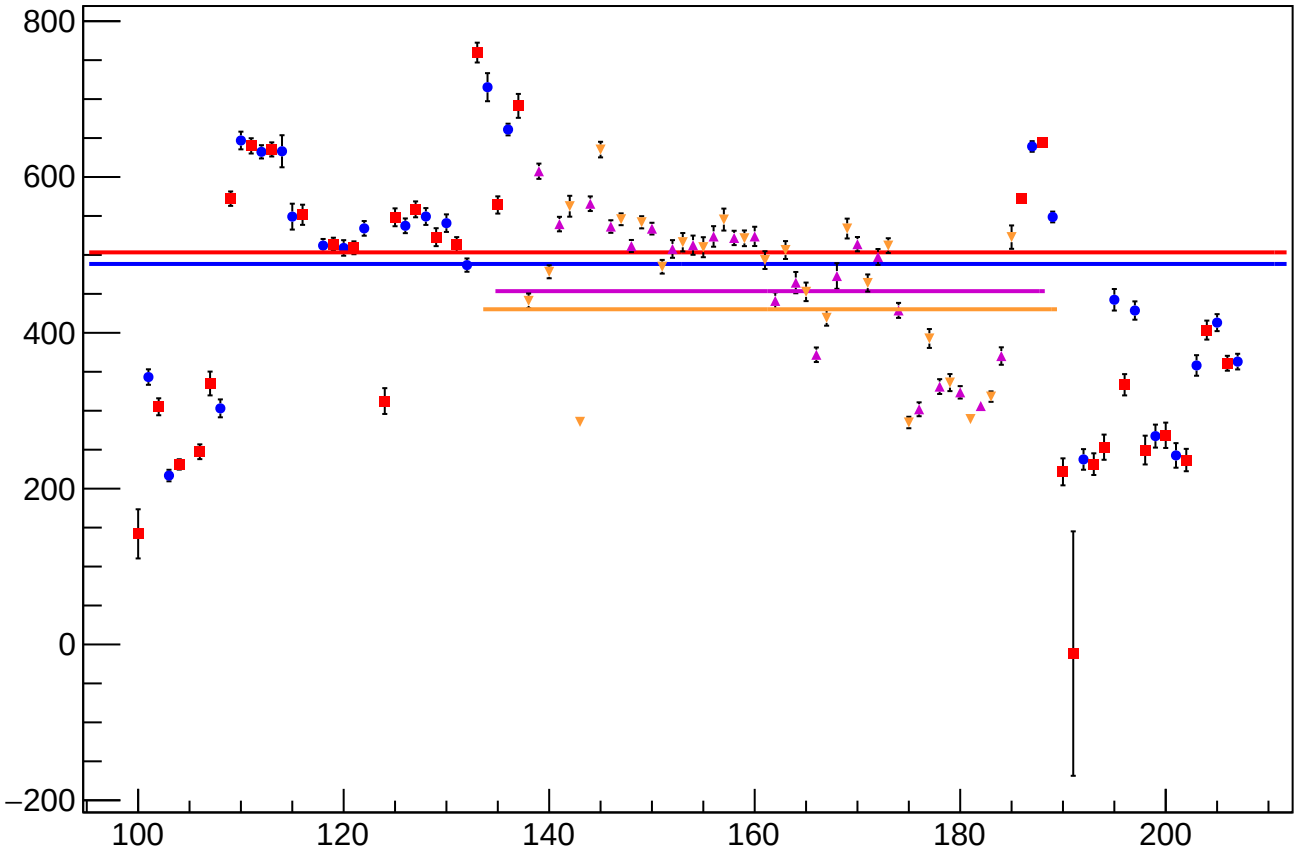
Left: 2.817+/-1.012 χ^2/NDF: 1263.8/47

Right: 24.565+/-1.394 χ^2/NDF: 814.2/56

In: 7.553+/-1.203 χ^2/NDF:1015.6/48

Out: 12.707+/-1.117 χ^2/NDF:1211.9/55

All: 10.321+/-0.819 χ^2/NDF: 2237.4/104



Right In: 488.395+/-1.984 χ^2/NDF: 4894.1/25

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

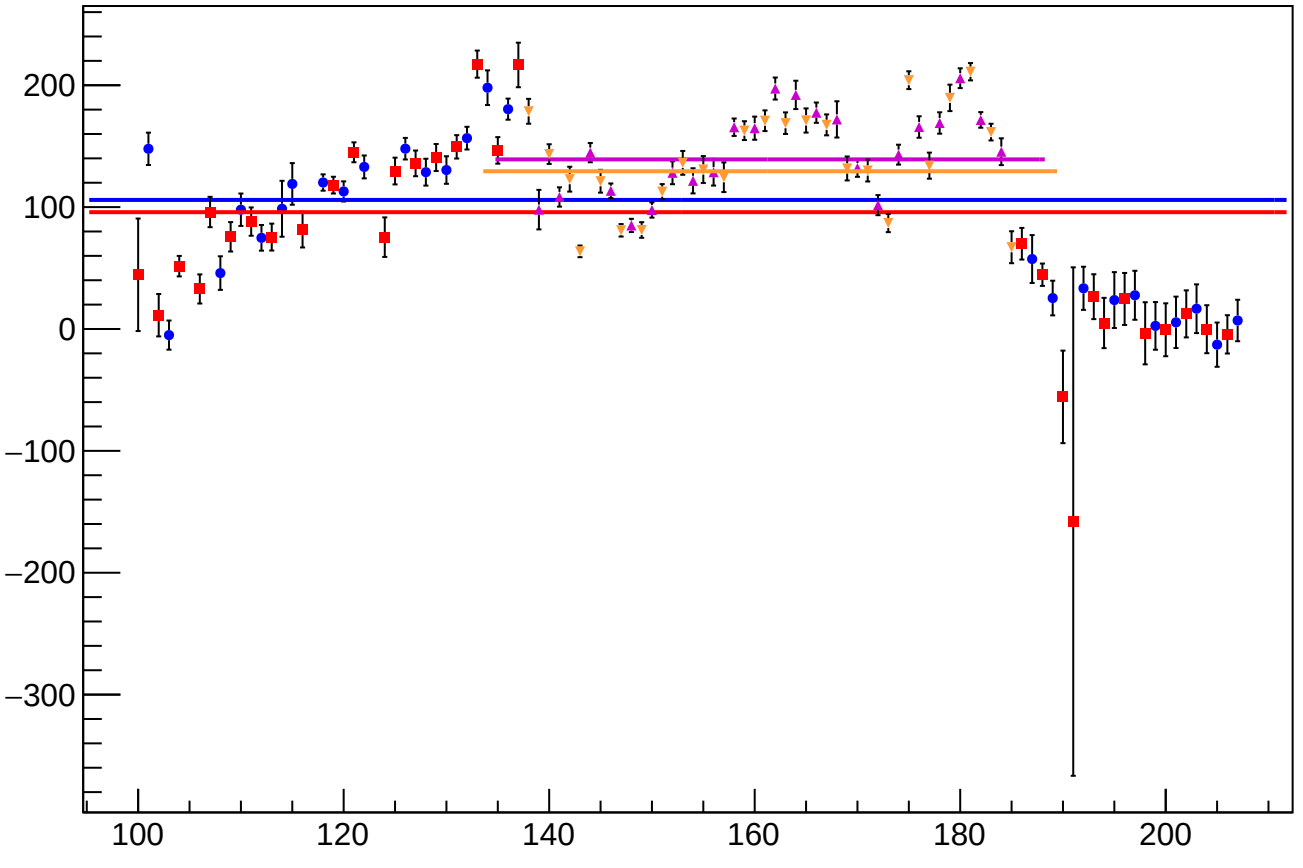
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 496.816+/-1.306 χ^2/NDF: 12992.7/56

In: 470.859+/-1.399 χ^2/NDF:7469.3/48

Out: 469.286+/-1.269 χ^2/NDF:12295.2/55

All: 469.997+/-0.940 χ^2/NDF: 19765.2/104



Right In: 105.900+/-2.398 χ^2/NDF: 545.6/25

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

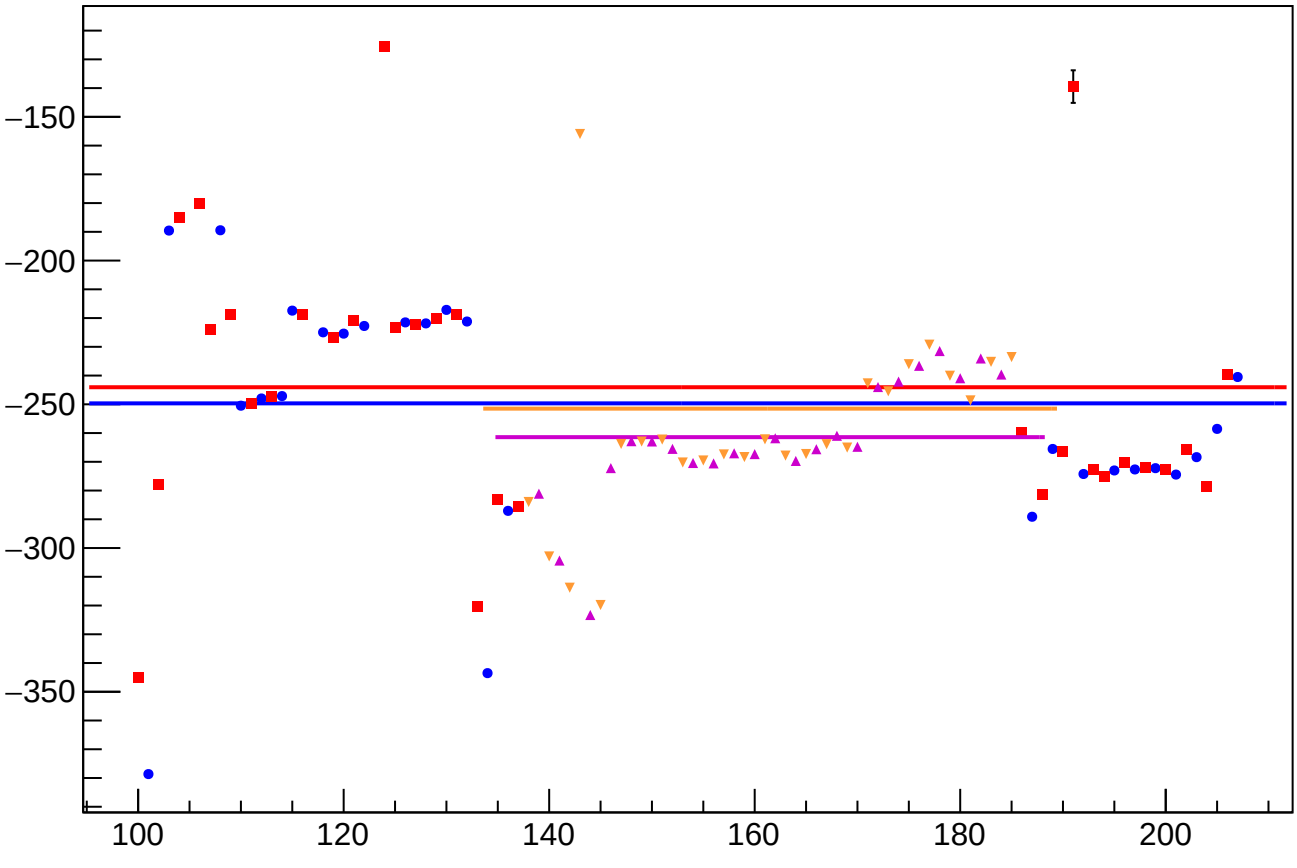
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 100.602+/-1.650 χ^2/NDF: 1163.0/56

In: 127.996+/-1.390 χ^2/NDF:1107.6/48

Out: 118.367+/-1.304 χ^2/NDF:1568.7/55

All: 122.878+/-0.951 χ^2/NDF: 2701.8/104



Right In: -249.670+/-0.123 χ^2/NDF: 148236.2/25

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

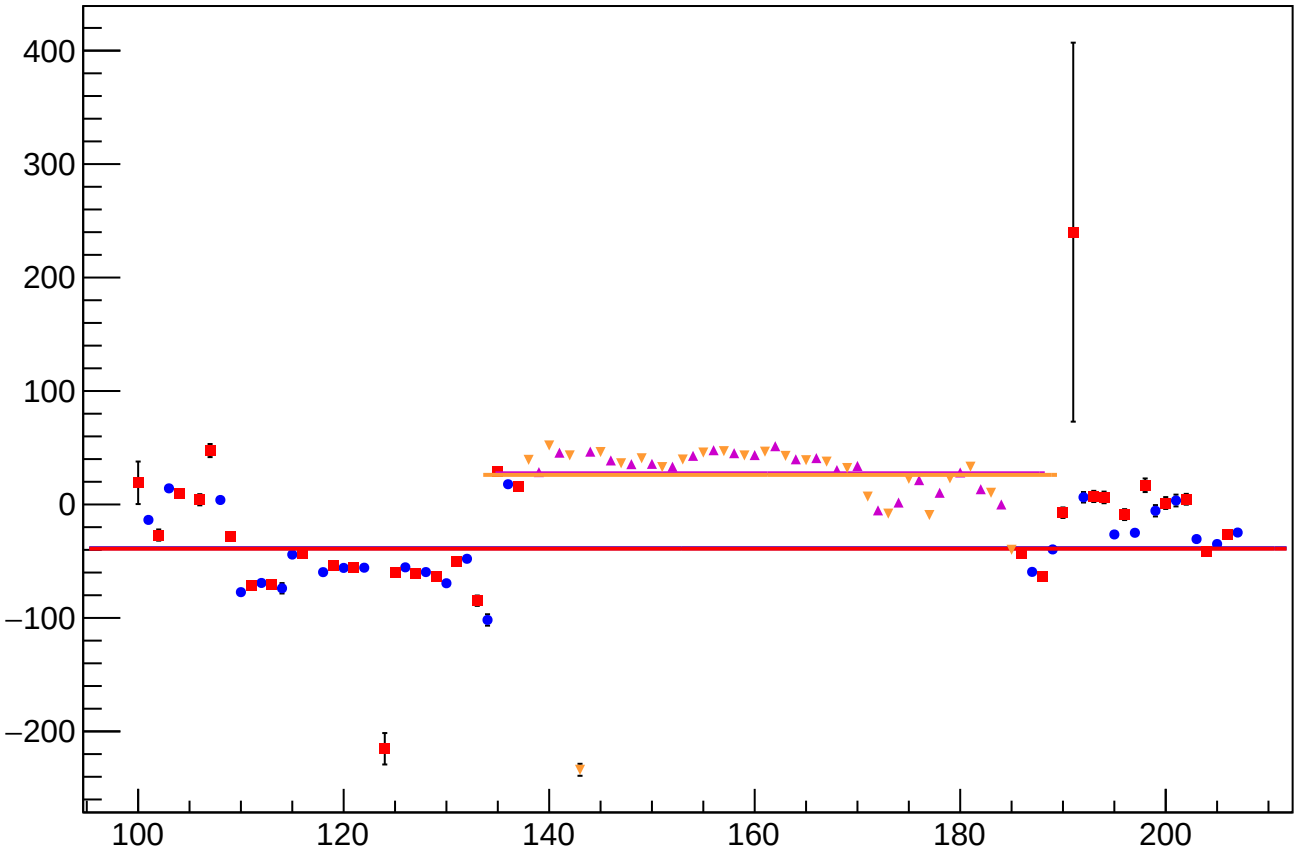
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -246.739+/-0.085 χ^2/NDF: 261855.3/56

In: -258.059+/-0.066 χ^2/NDF:224317.6/48

Out: -249.369+/-0.063 χ^2/NDF:370319.0/55

All: -253.524+/-0.045 χ^2/NDF: 603742.9/104



Right In: -38.586+/-0.602 χ^2/NDF: 2741.0/25

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

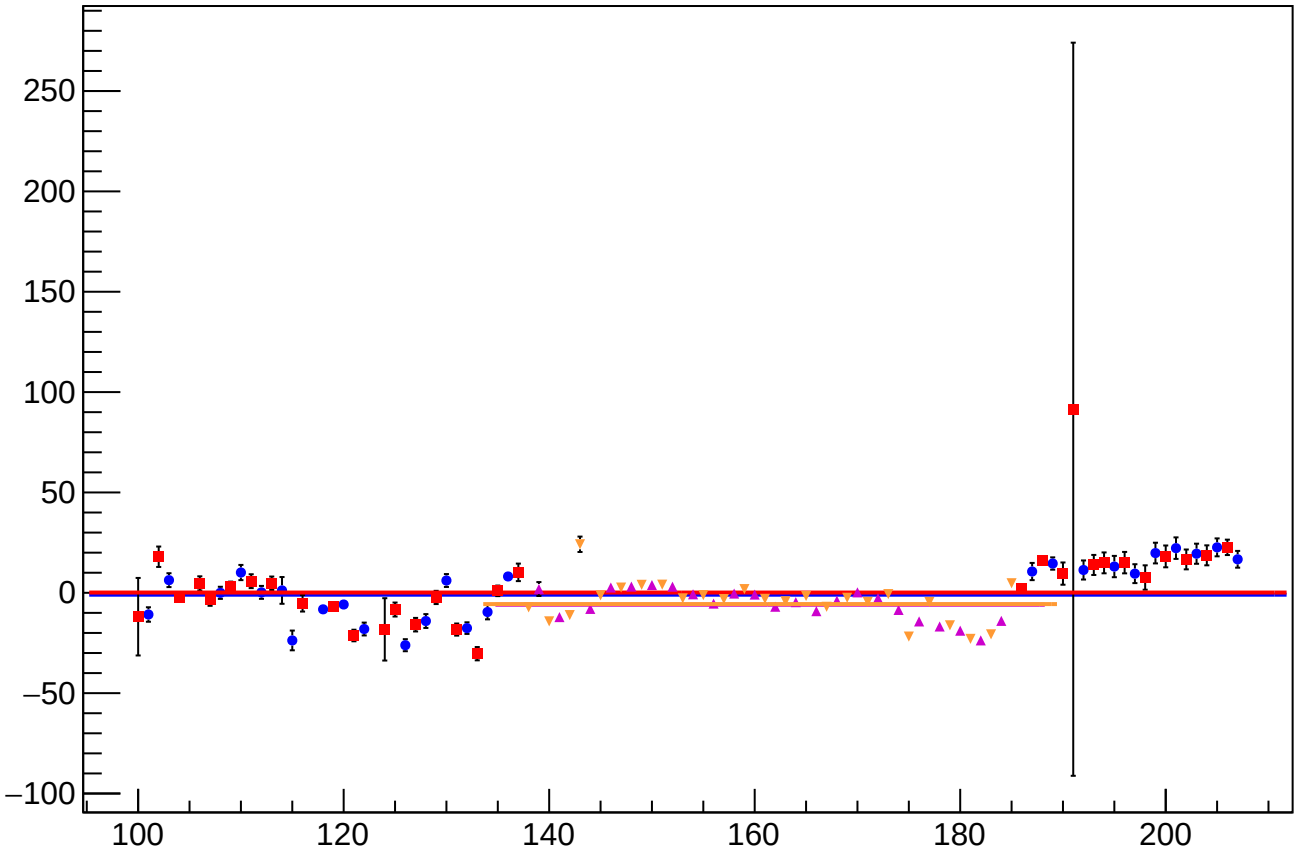
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -38.799+/-0.400 χ^2/NDF: 6000.4/56

In: 7.529+/-0.331 χ^2/NDF:12756.7/48

Out: 3.530+/-0.315 χ^2/NDF:17707.0/55

All: 5.432+/-0.228 χ^2/NDF: 30540.4/104



Right In: -0.940+/-0.664 χ^2/NDF: 385.4/25

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

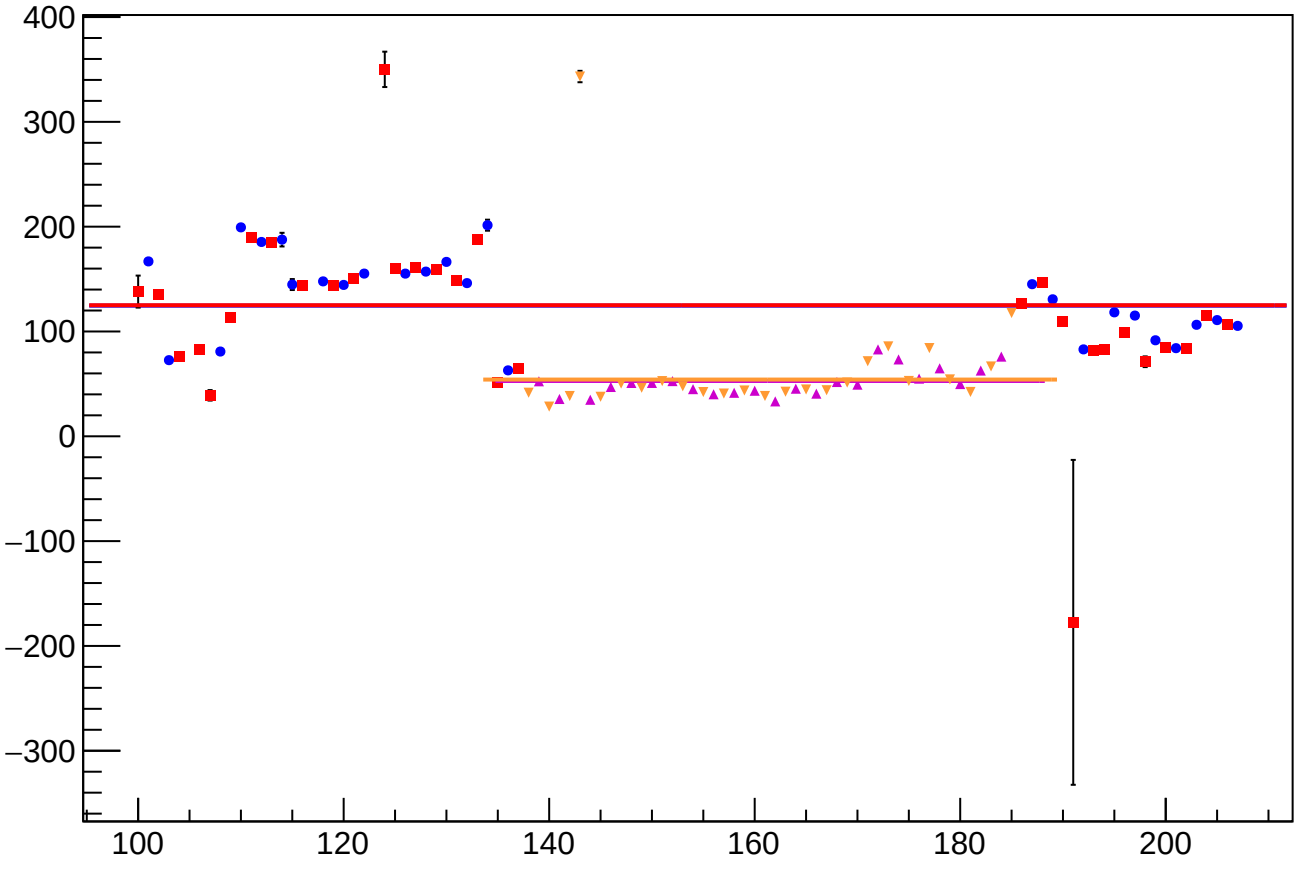
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -0.365+/-0.451 χ^2/NDF: 792.7/56

In: -5.049+/-0.280 χ^2/NDF:1144.3/48

Out: -4.509+/-0.271 χ^2/NDF:1369.6/55

All: -4.770+/-0.195 χ^2/NDF: 2515.8/104



Right In: 124.654+/-0.619 χ^2/NDF: 4112.1/25

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

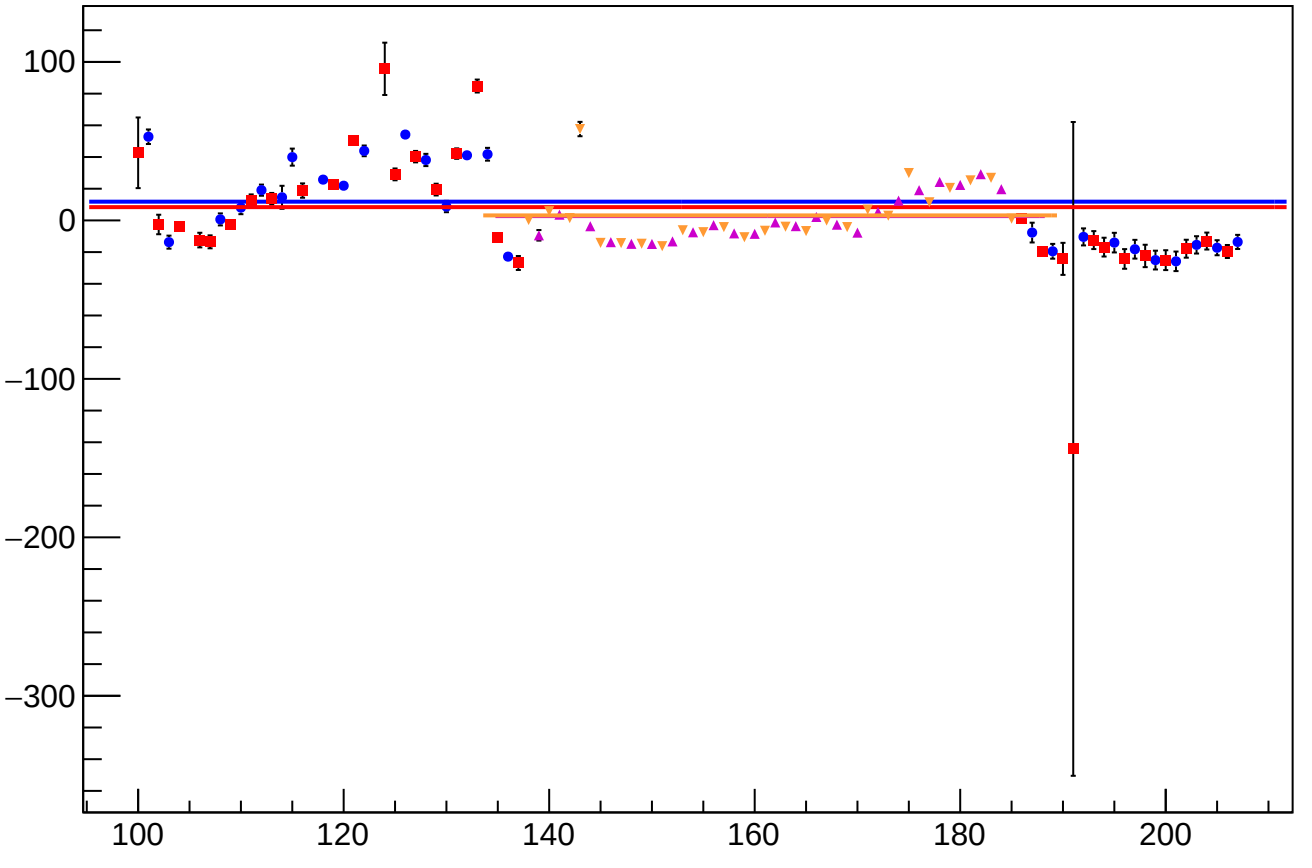
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 124.872+/-0.406 χ^2/NDF: 8530.8/56

In: 73.409+/-0.332 χ^2/NDF:14699.6/48

Out: 78.323+/-0.314 χ^2/NDF:20452.6/55

All: 75.997+/-0.228 χ^2/NDF: 35268.0/104



Right In: 11.825+/-0.768 χ^2/NDF: 1214.0/25

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

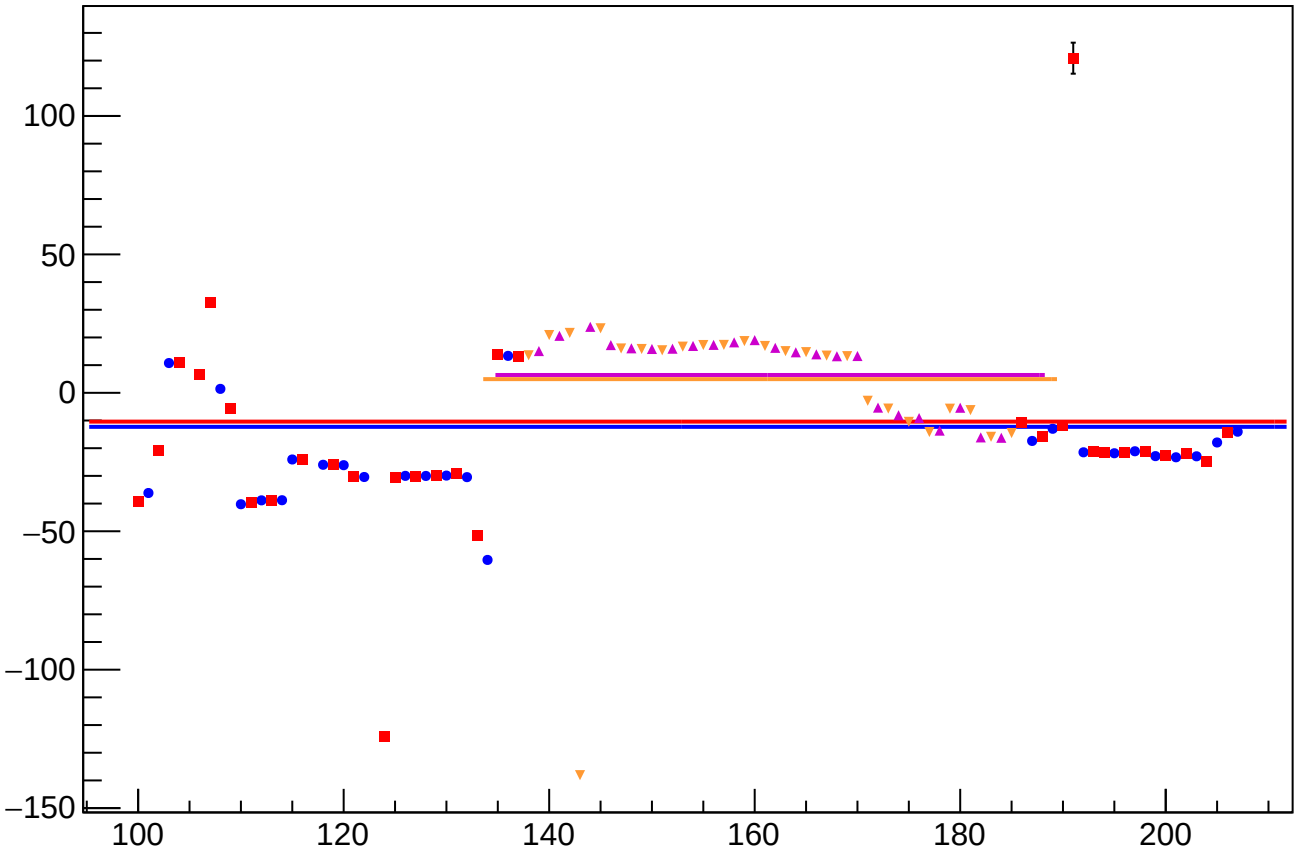
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 10.013+/-0.529 χ^2/NDF: 2539.3/56

In: 4.263+/-0.316 χ^2/NDF:3065.9/48

Out: 4.084+/-0.308 χ^2/NDF:3369.1/55

All: 4.171+/-0.221 χ^2/NDF: 6435.1/104



Right In: -12.285+/-0.037 χ^2/NDF: 295422.7/25

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

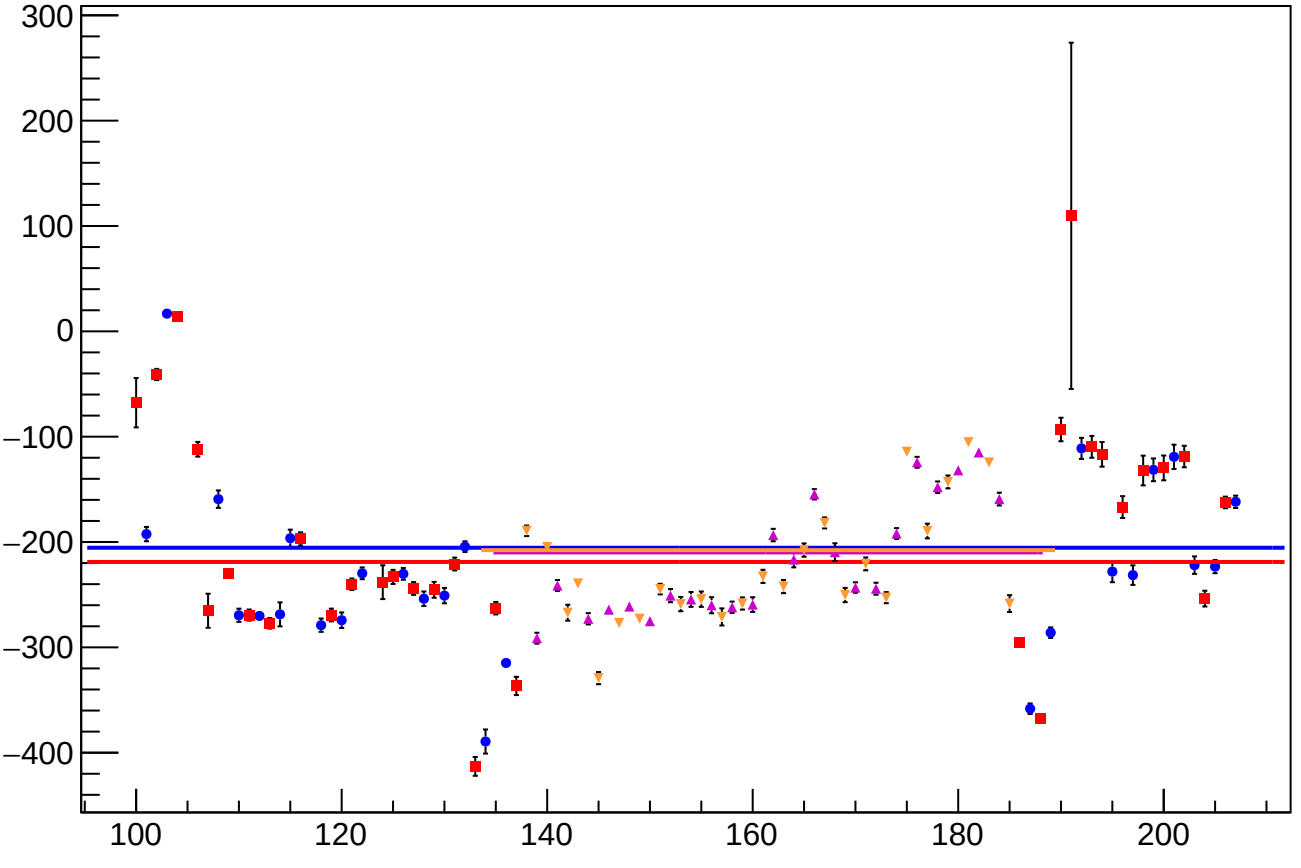
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -11.325+/-0.026 χ^2/NDF: 570649.4/56

In: 3.656+/-0.014 χ^2/NDF:1247072.9/48

Out: 2.623+/-0.014 χ^2/NDF:1564308.1/55

All: 3.135+/-0.010 χ^2/NDF: 2814074.7/104



Right In: -205.444+/-1.201 χ^2/NDF: 8793.0/25

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

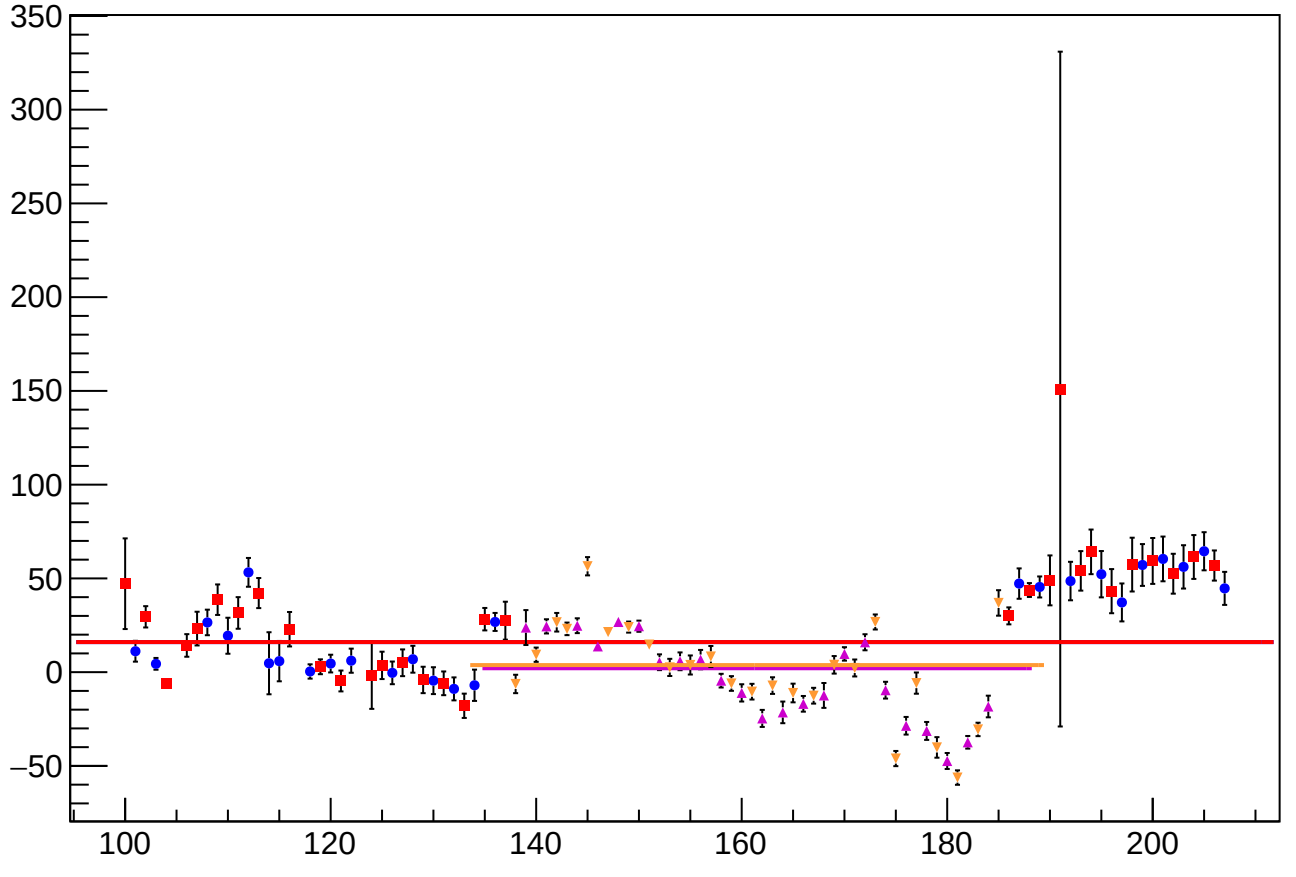
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -212.832+/-0.807 χ^2/NDF: 21159.3/56

In: -207.851+/-0.812 χ^2/NDF:11812.3/48

Out: -213.227+/-0.763 χ^2/NDF:15838.0/55

All: -210.704+/-0.556 χ^2/NDF: 27673.5/104



Right In: 16.023+/-1.289 χ^2/NDF: 251.4/25

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 16.053+/-1.164 χ^2/NDF: 379.3/30

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

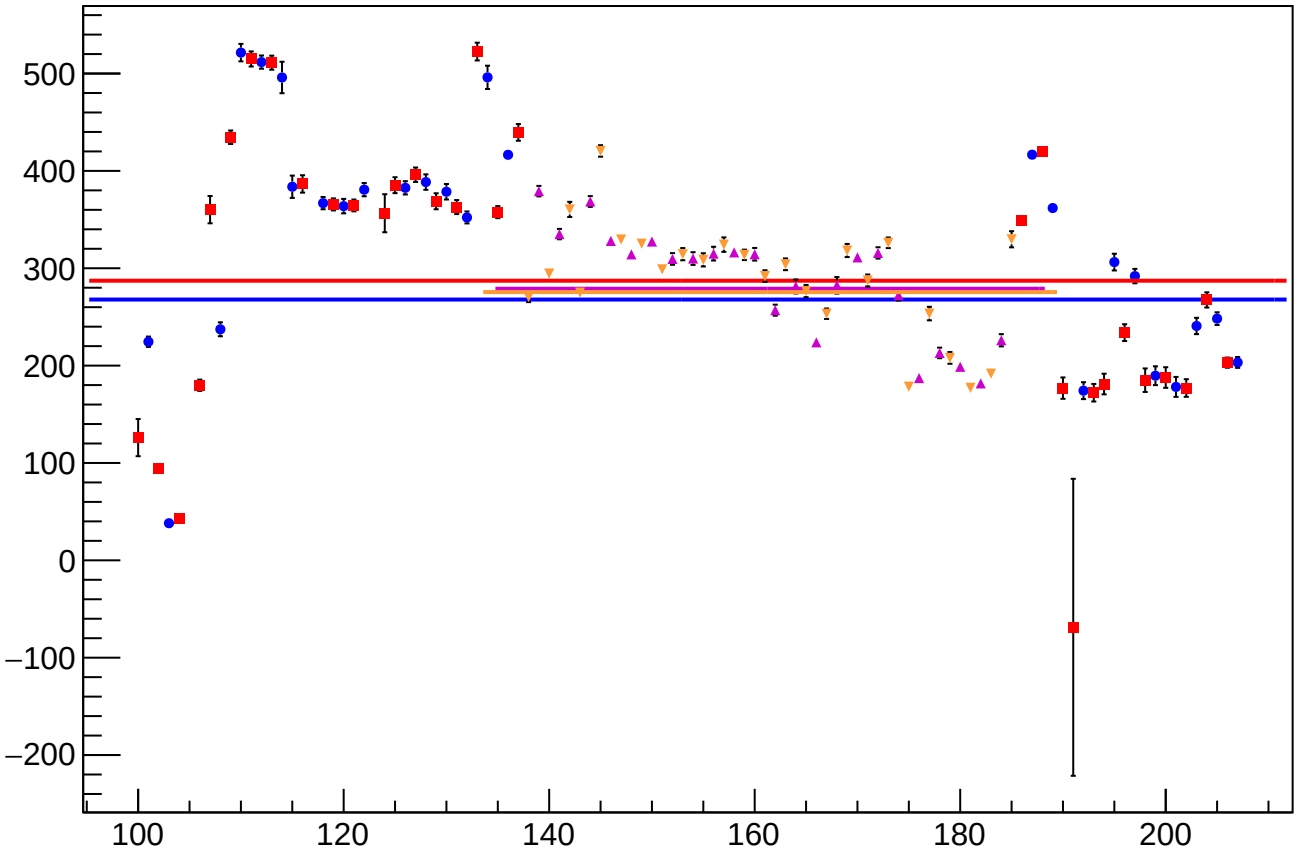
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 16.040+/-0.864 χ^2/NDF: 630.8/56

In: 6.095+/-0.692 χ^2/NDF:1104.9/48

Out: 7.627+/-0.652 χ^2/NDF:1427.9/55

All: 6.907+/-0.475 χ^2/NDF: 2535.4/104



Right In: 267.855+/-1.157 χ^2/NDF: 17747.6/25

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

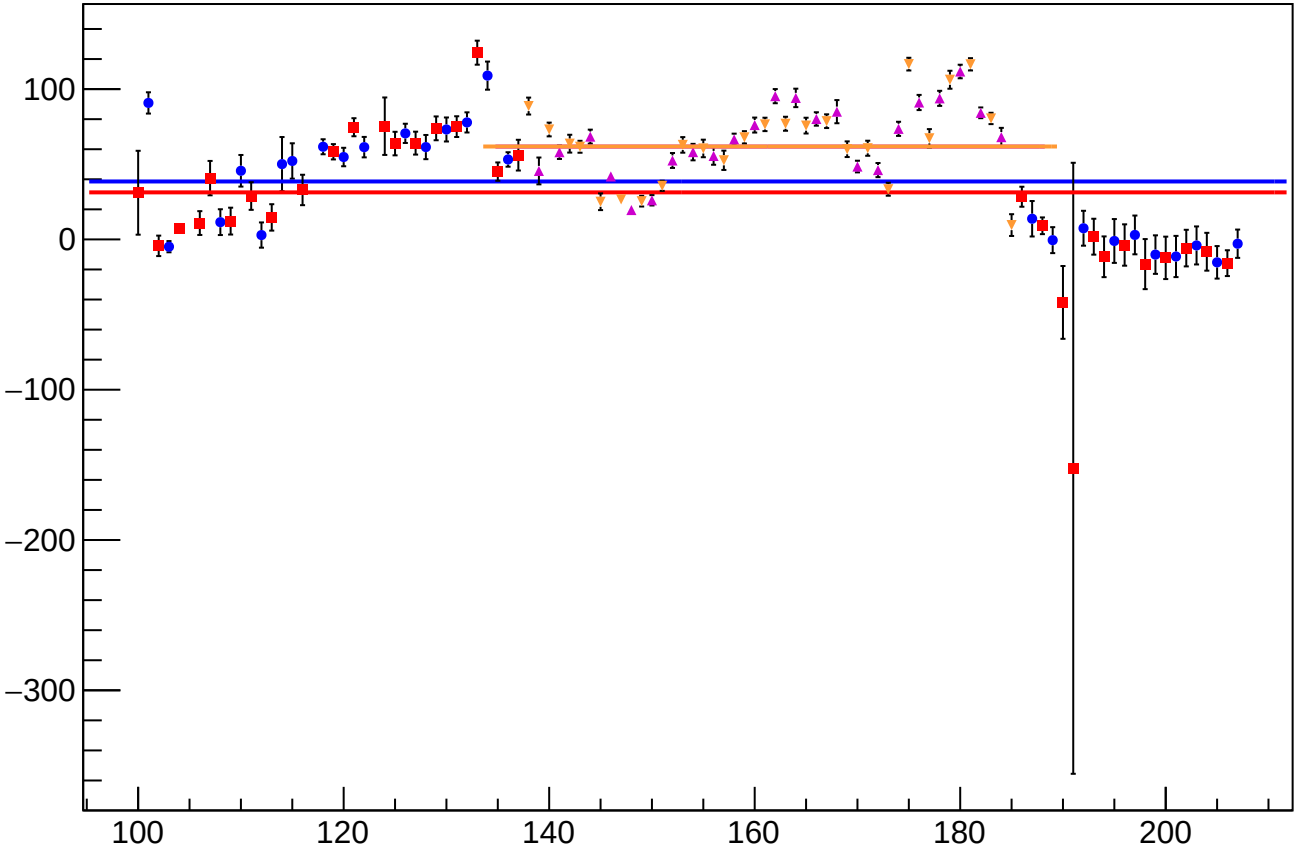
Right: 278.748+/-0.765 χ^2/NDF: 40063.9/56

In: 273.758+/-0.793 χ^2/NDF:20911.4/48

Out: 281.612+/-0.736 χ^2/NDF:25544.8/55

All: 277.979+/-0.539 χ^2/NDF: 46508.9/104

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 38.551+/-1.515 χ^2/NDF: 541.9/25

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

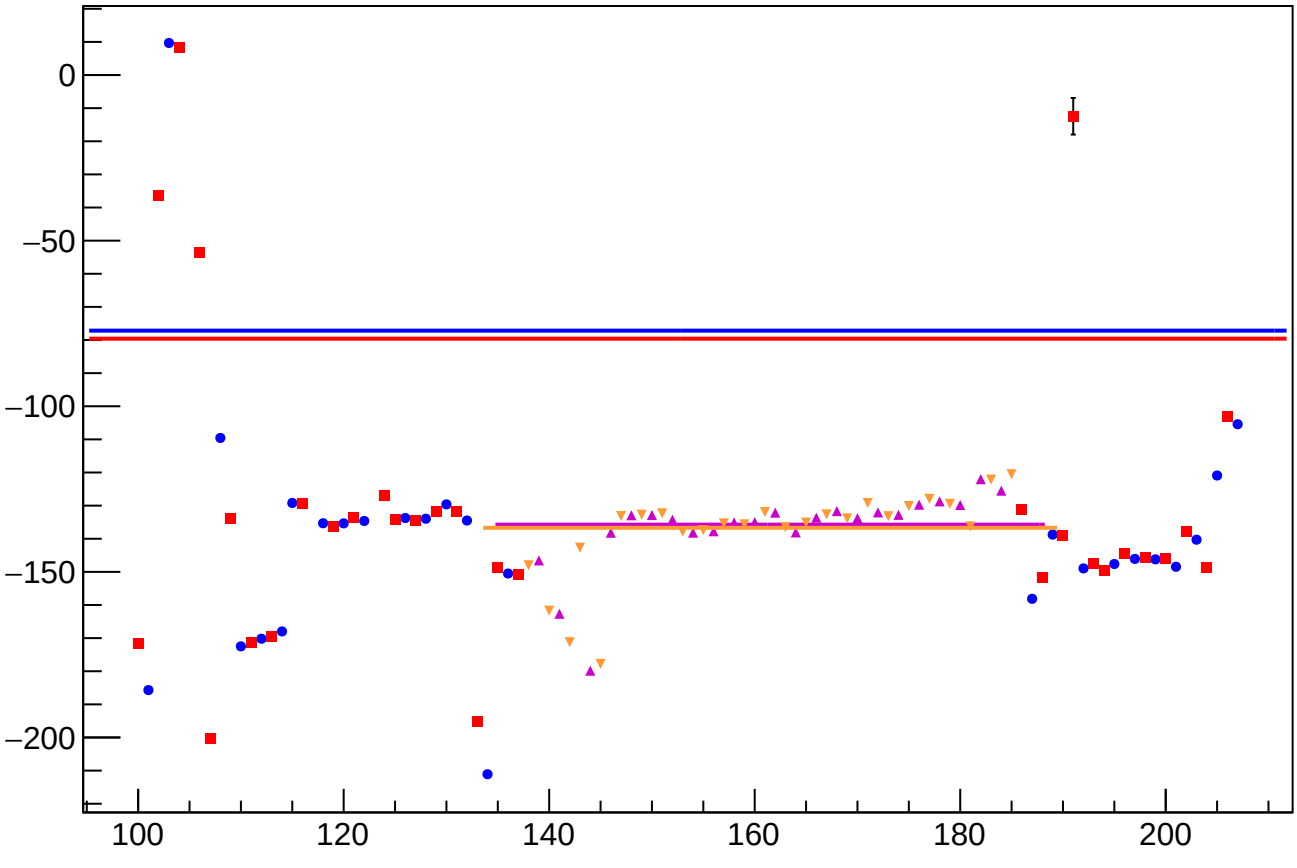
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 34.666+/-1.033 χ^2/NDF: 1110.2/56

In: 55.324+/-0.798 χ^2/NDF:1447.6/48

Out: 52.887+/-0.763 χ^2/NDF:1846.5/55

All: 54.051+/-0.552 χ^2/NDF: 3299.0/104



Right In: -77.166+/-0.064 χ^2/NDF: 1515381.2/25

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

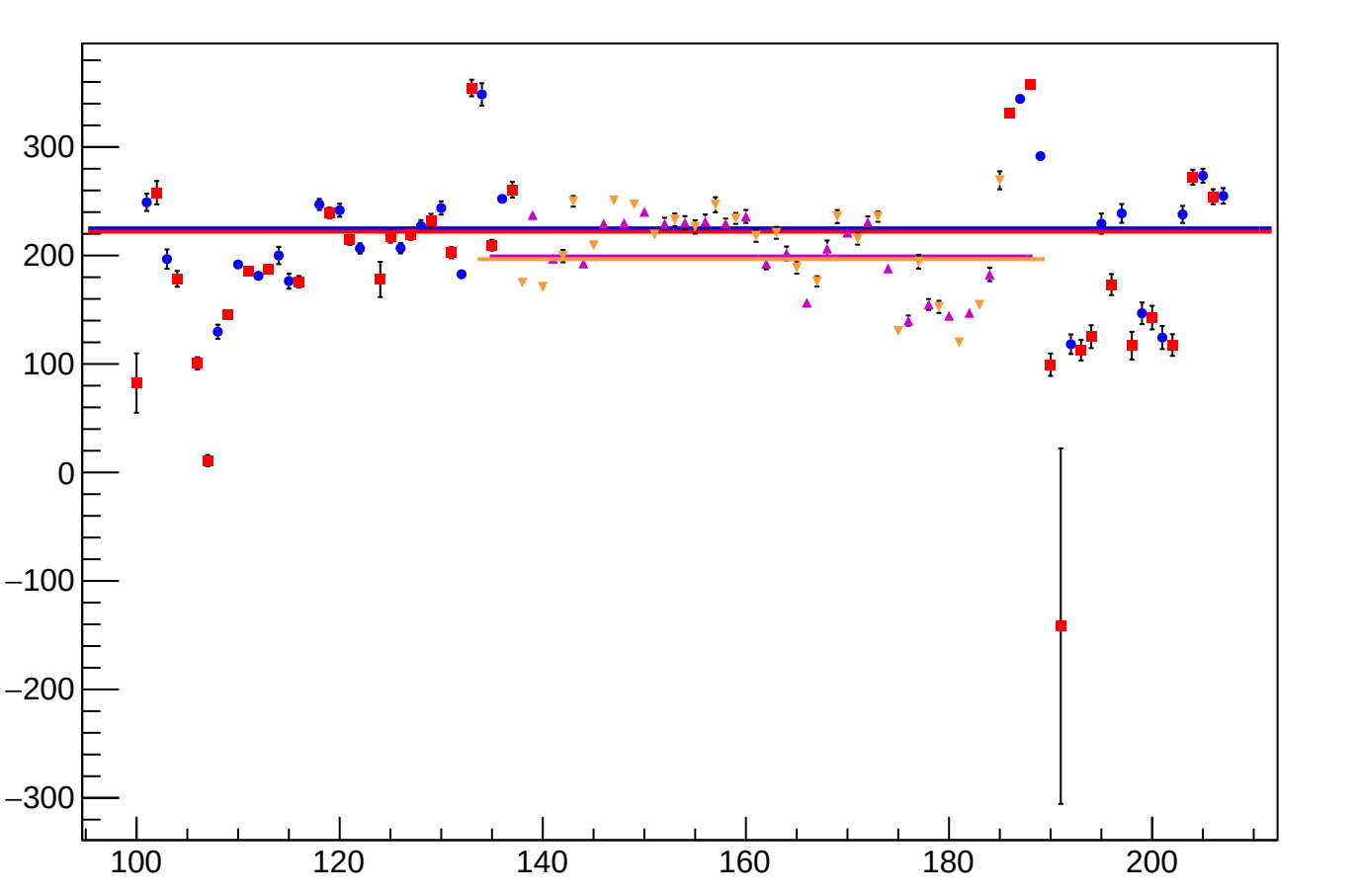
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -78.386+/-0.045 χ^2/NDF: 2731889.7/56

In: -117.545+/-0.036 χ^2/NDF:2160968.8/48

Out: -119.153+/-0.035 χ^2/NDF:1856008.0/55

All: -118.357+/-0.025 χ^2/NDF: 4018011.2/10



Right In: 225.049+/-1.113 χ^2/NDF: 2181.1/25

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

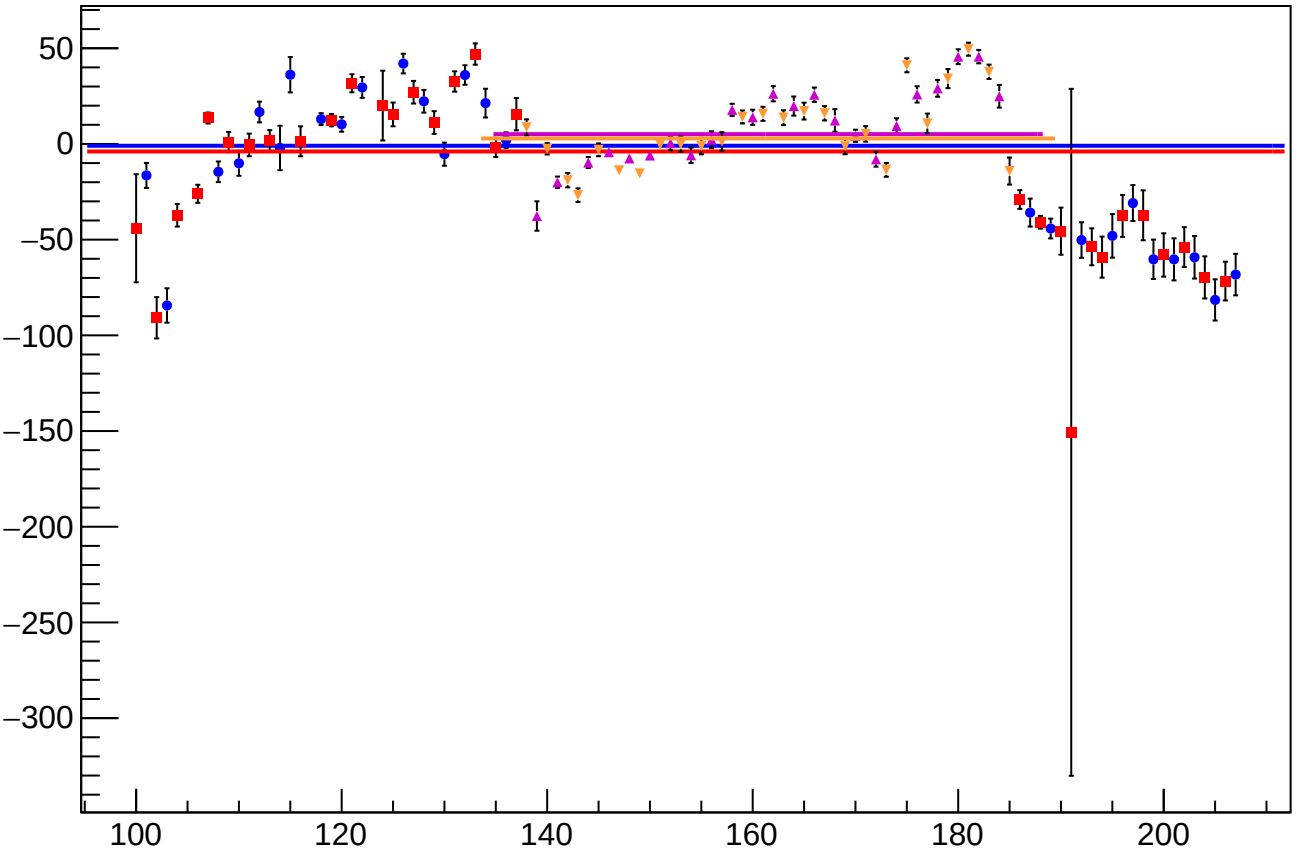
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 223.308+/-0.734 χ^2/NDF: 10351.0/56

In: 210.373+/-0.732 χ^2/NDF:3782.7/48

Out: 208.875+/-0.680 χ^2/NDF:10588.1/55

All: 209.569+/-0.498 χ^2/NDF: 14373.0/104



Right In: -0.947+/-1.201 χ^2/NDF: 668.1/25

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

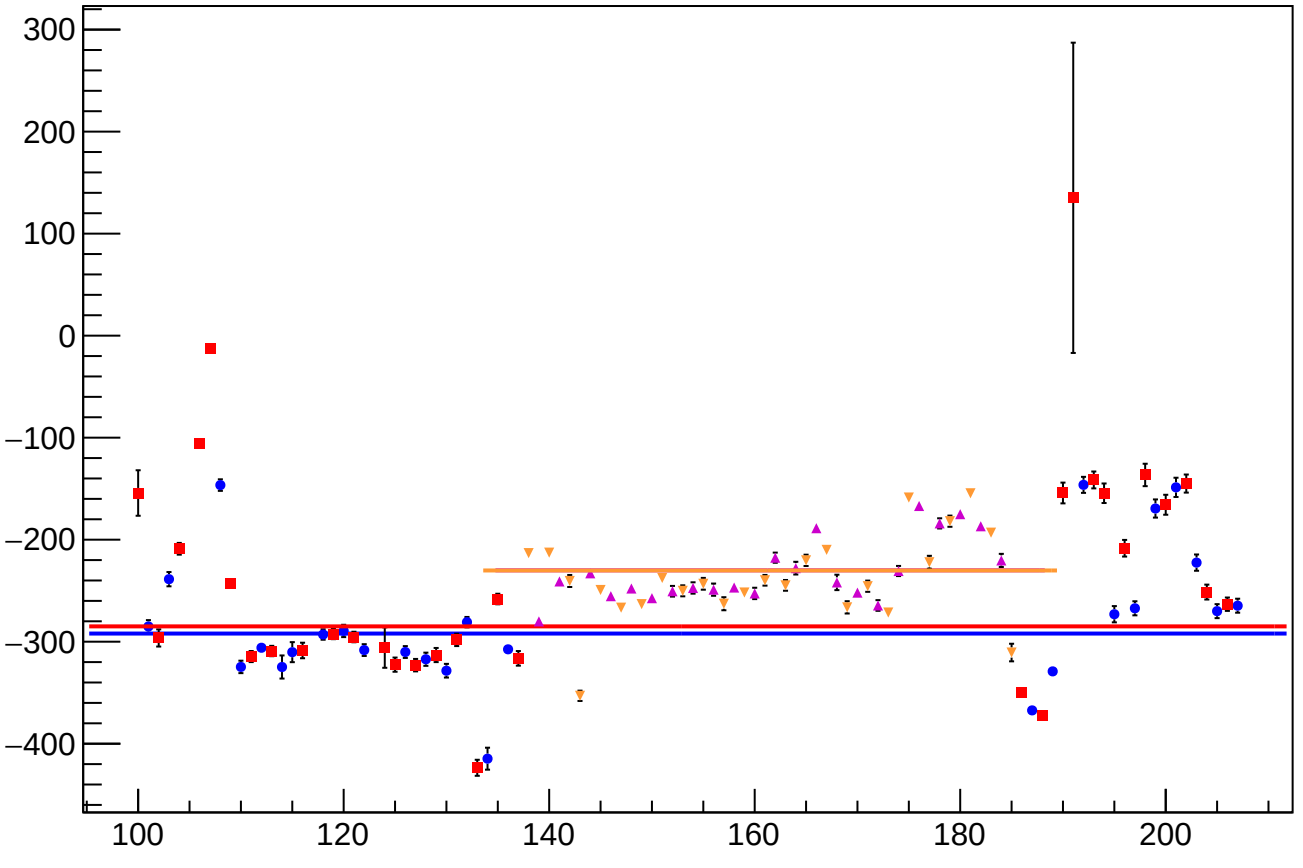
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -2.612+/-0.799 χ^2/NDF: 1455.0/56

In: 3.527+/-0.616 χ^2/NDF:1315.5/48

Out: 0.858+/-0.582 χ^2/NDF:1564.8/55

All: 2.116+/-0.423 χ^2/NDF: 2890.2/104



Right In: -292.021+/-1.161 χ^2/NDF: 2378.6/25

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

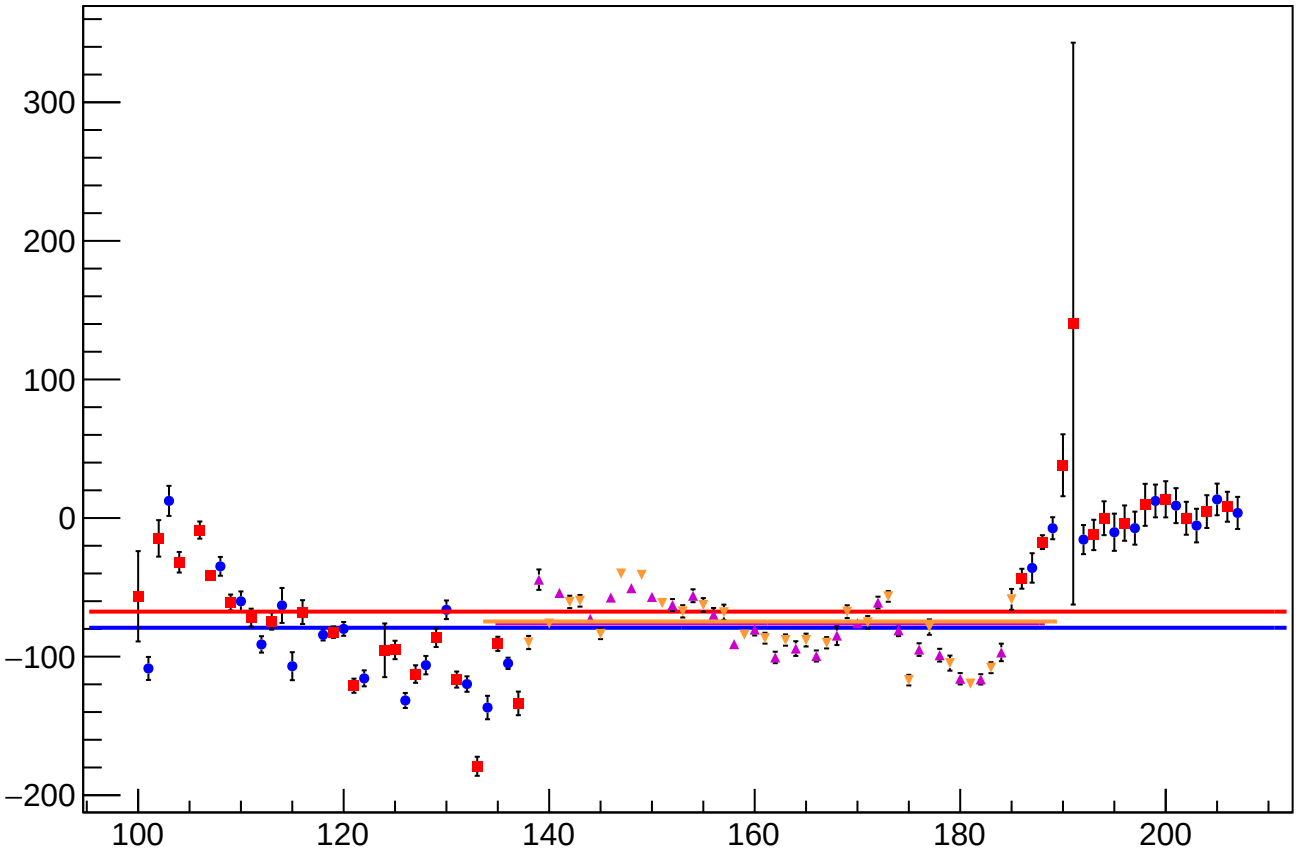
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -287.932+/-0.751 χ^2/NDF: 12318.1/56

In: -255.237+/-0.740 χ^2/NDF:5163.1/48

Out: -256.254+/-0.680 χ^2/NDF:13720.6/55

All: -255.788+/-0.501 χ^2/NDF: 18884.8/104



Right In: -79.179+/-1.405 χ^2/NDF: 900.9/25

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

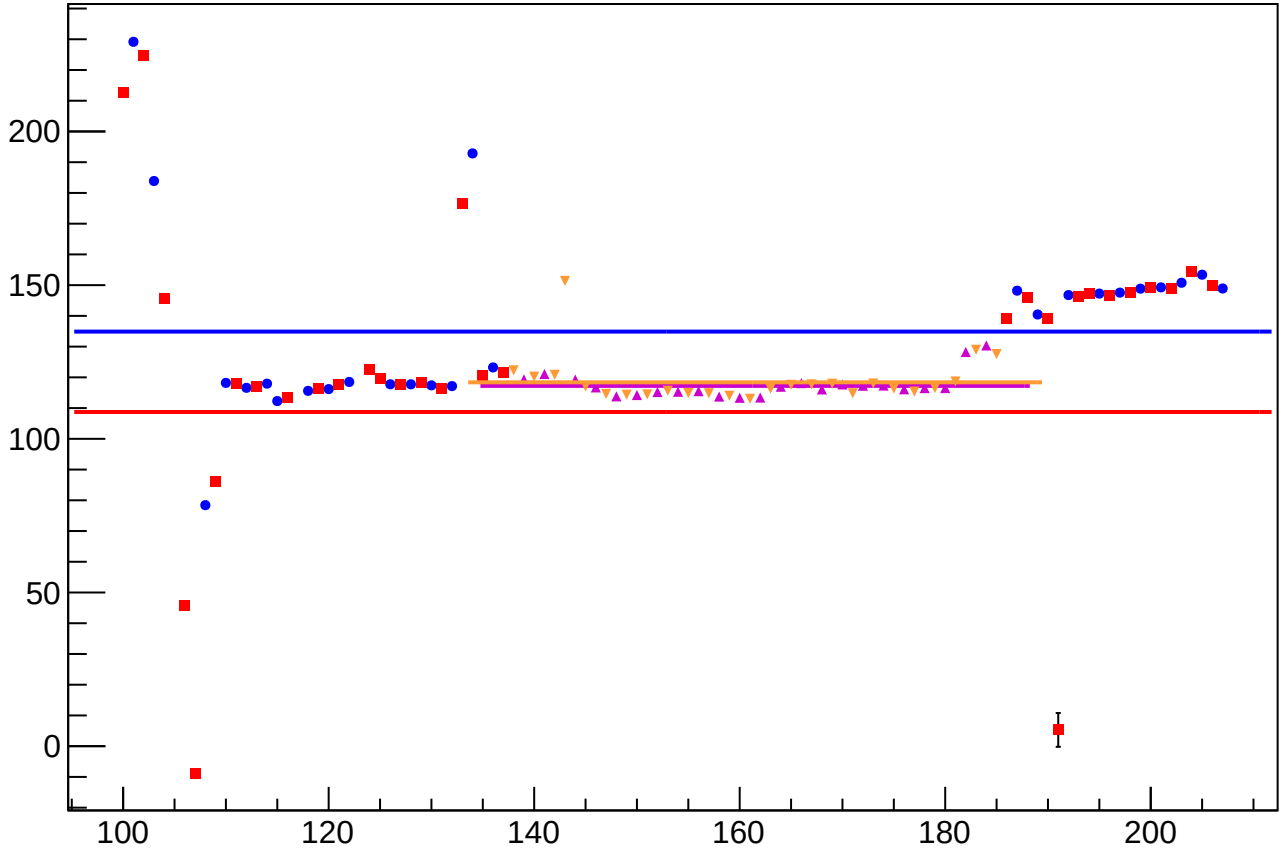
Right: -72.822+/-0.947 χ^2/NDF: 2136.6/56

In: -76.832+/-0.711 χ^2/NDF:1550.7/48

Out: -72.648+/-0.679 χ^2/NDF:2051.3/55

All: -74.644+/-0.491 χ^2/NDF: 3620.2/104

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 134.887+/-0.073 χ^2/NDF: 198869.8/25

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

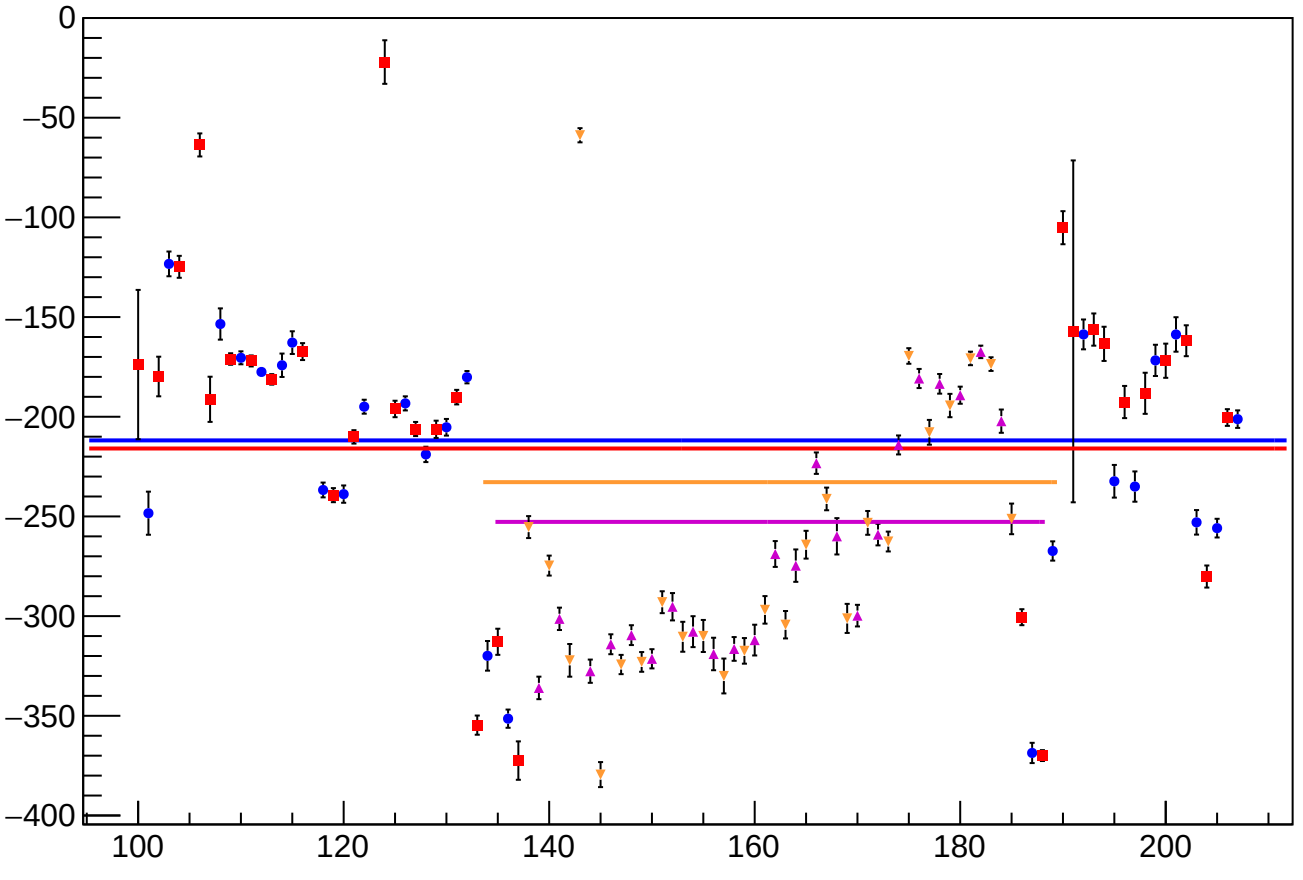
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 120.372+/-0.049 χ^2/NDF: 1030616.7/56

In: 120.906+/-0.033 χ^2/NDF:255075.9/48

Out: 116.028+/-0.032 χ^2/NDF:812342.2/55

All: 118.390+/-0.023 χ^2/NDF: 1078385.3/104



Right In: -211.859+/-0.899 χ^2/NDF: 3485.9/25

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

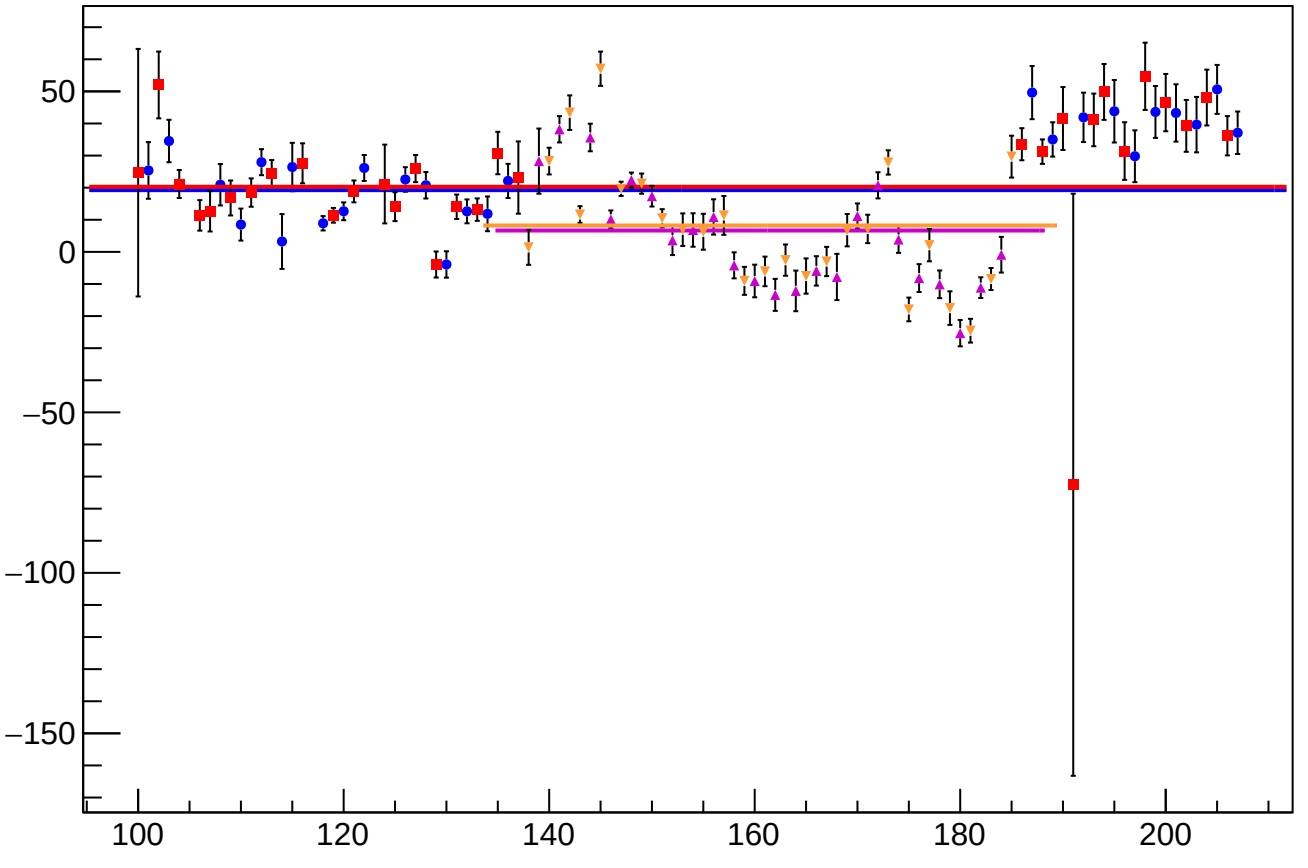
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -214.044+/-0.611 χ^2/NDF: 11176.5/56

In: -227.682+/-0.703 χ^2/NDF:7200.9/48

Out: -222.287+/-0.658 χ^2/NDF:13597.9/55

All: -224.805+/-0.481 χ^2/NDF: 20830.2/104



Right In: 19.233+/-0.960 χ^2/NDF: 172.5/25

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

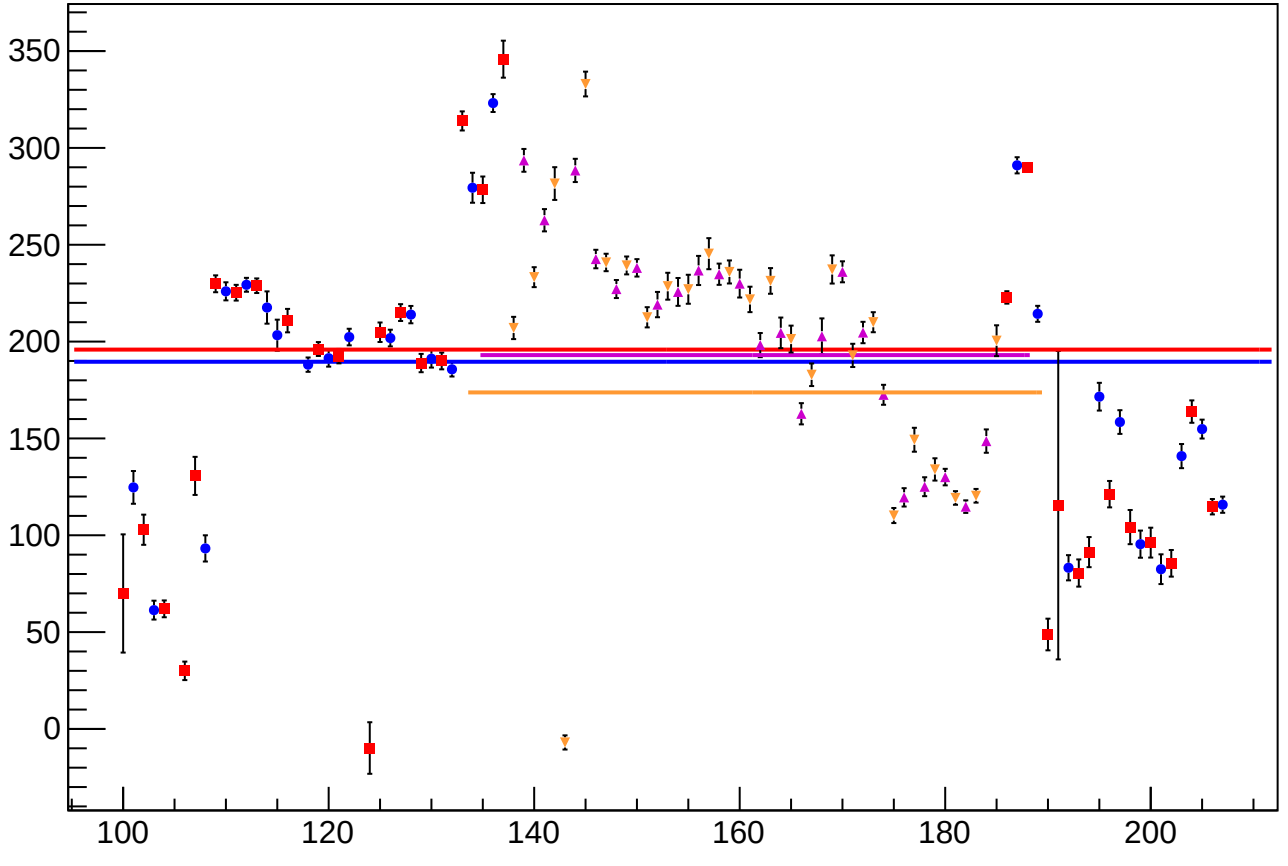
Right: 19.779+/-0.666 χ^2/NDF: 336.8/56

In: 12.243+/-0.640 χ^2/NDF:622.7/48

Out: 13.402+/-0.607 χ^2/NDF:718.5/55

All: 12.853+/-0.440 χ^2/NDF: 1342.9/104

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 189.586+/-0.977 χ^2/NDF: 3898.0/25

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

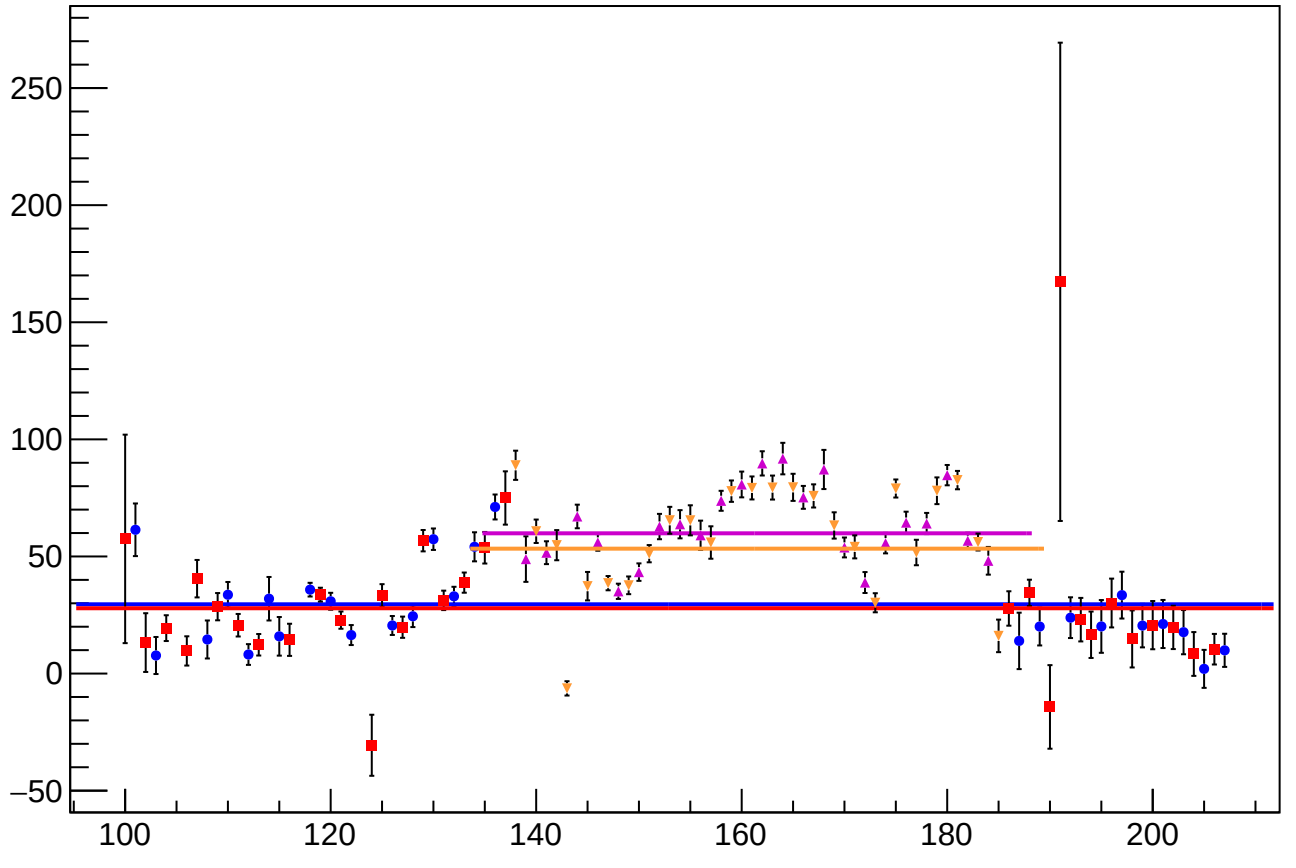
Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

Right: 193.035+/-0.656 χ^2/NDF: 11469.7/56

In: 191.070+/-0.737 χ^2/NDF:6415.3/48

Out: 186.866+/-0.682 χ^2/NDF:13063.8/55

All: 188.805+/-0.500 χ^2/NDF: 19496.6/104



Right In: 29.571+/-1.120 χ^2/NDF: 207.1/25

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

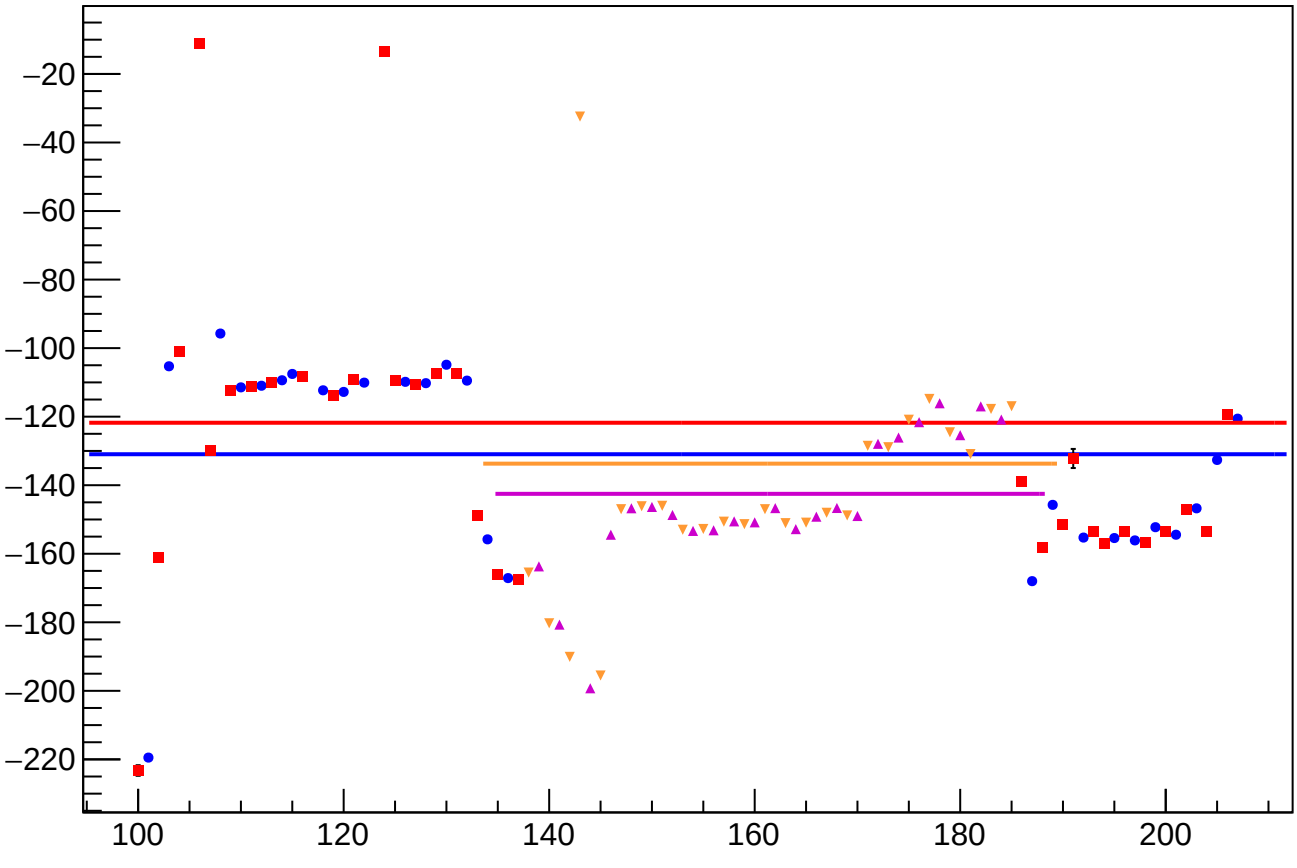
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 28.703+/-0.780 χ^2/NDF: 374.9/56

In: 46.796+/-0.736 χ^2/NDF:874.2/48

Out: 42.695+/-0.703 χ^2/NDF:1264.1/55

All: 44.651+/-0.509 χ^2/NDF: 2154.5/104



Right In: -130.961+/-0.062 χ^2/NDF: 174546.1/25

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

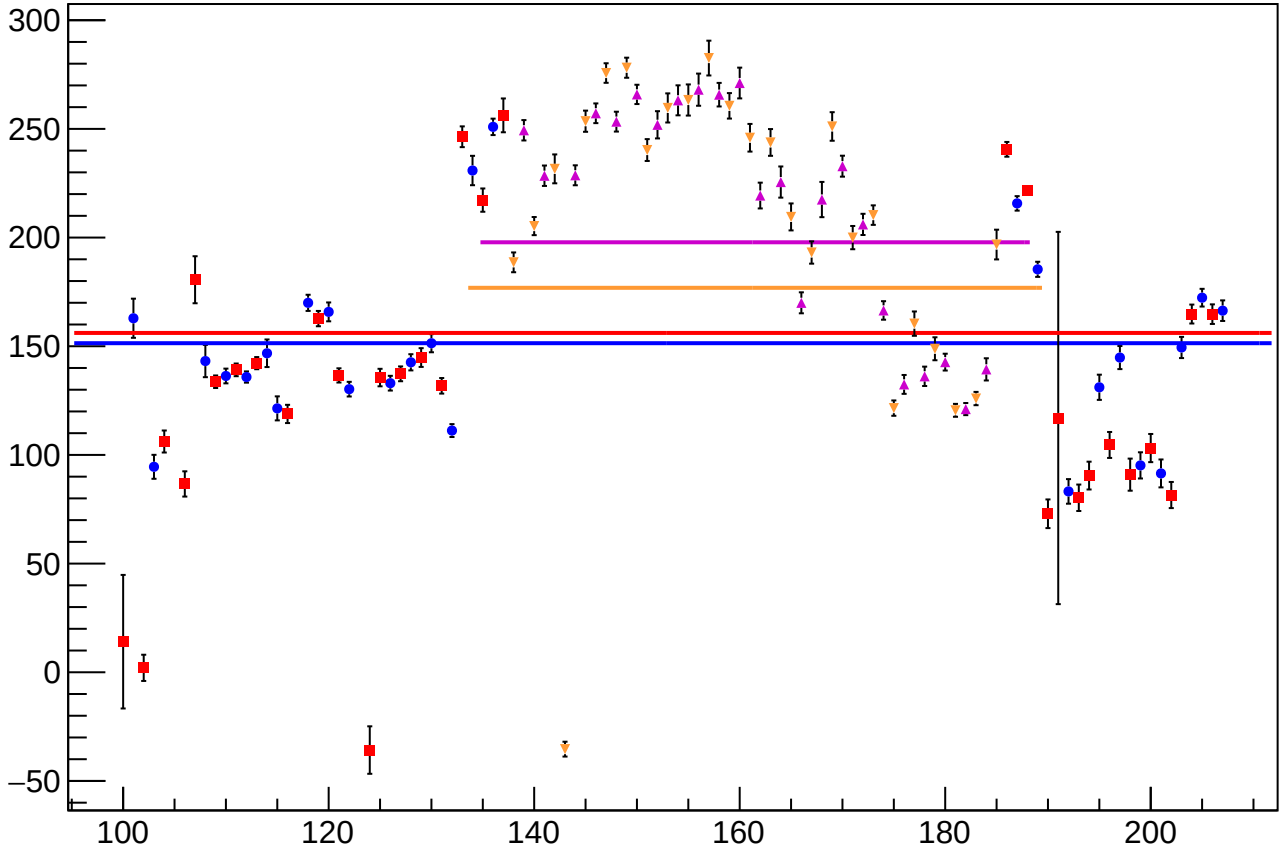
Right: -126.102+/-0.043 χ^2/NDF: 681626.4/56

In: -138.632+/-0.036 χ^2/NDF:375797.1/48

Out: -129.580+/-0.035 χ^2/NDF:1198406.2/55

All: -133.908+/-0.025 χ^2/NDF: 1606859.7/10

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 151.403+/-0.827 χ^2/NDF: 2159.6/25

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

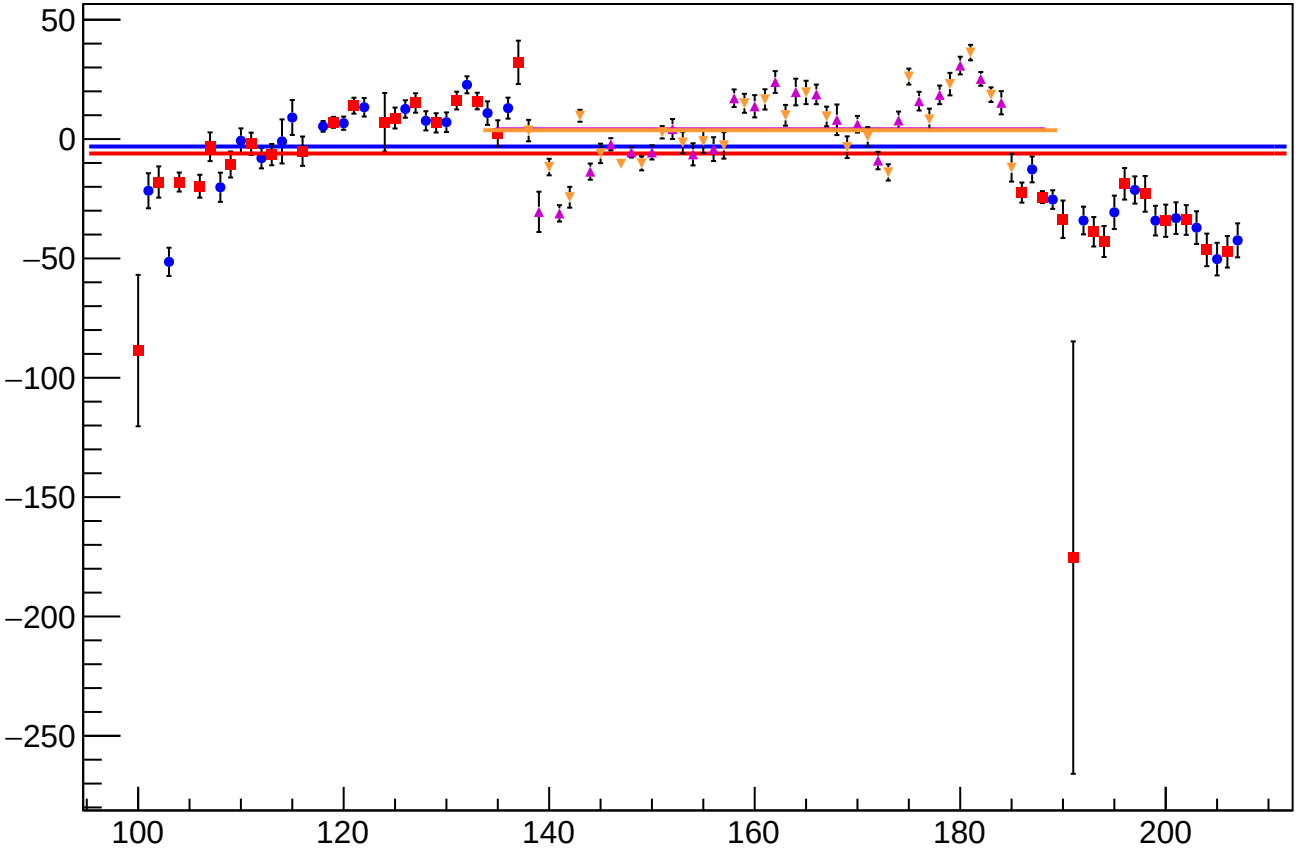
Right: 153.982+/-0.557 χ^2/NDF: 7180.0/56

In: 170.129+/-0.639 χ^2/NDF:6397.9/48

Out: 164.063+/-0.592 χ^2/NDF:12717.6/55

All: 166.866+/-0.434 χ^2/NDF: 19164.1/104

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.116+/-0.894 χ^2/NDF: 473.6/25

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

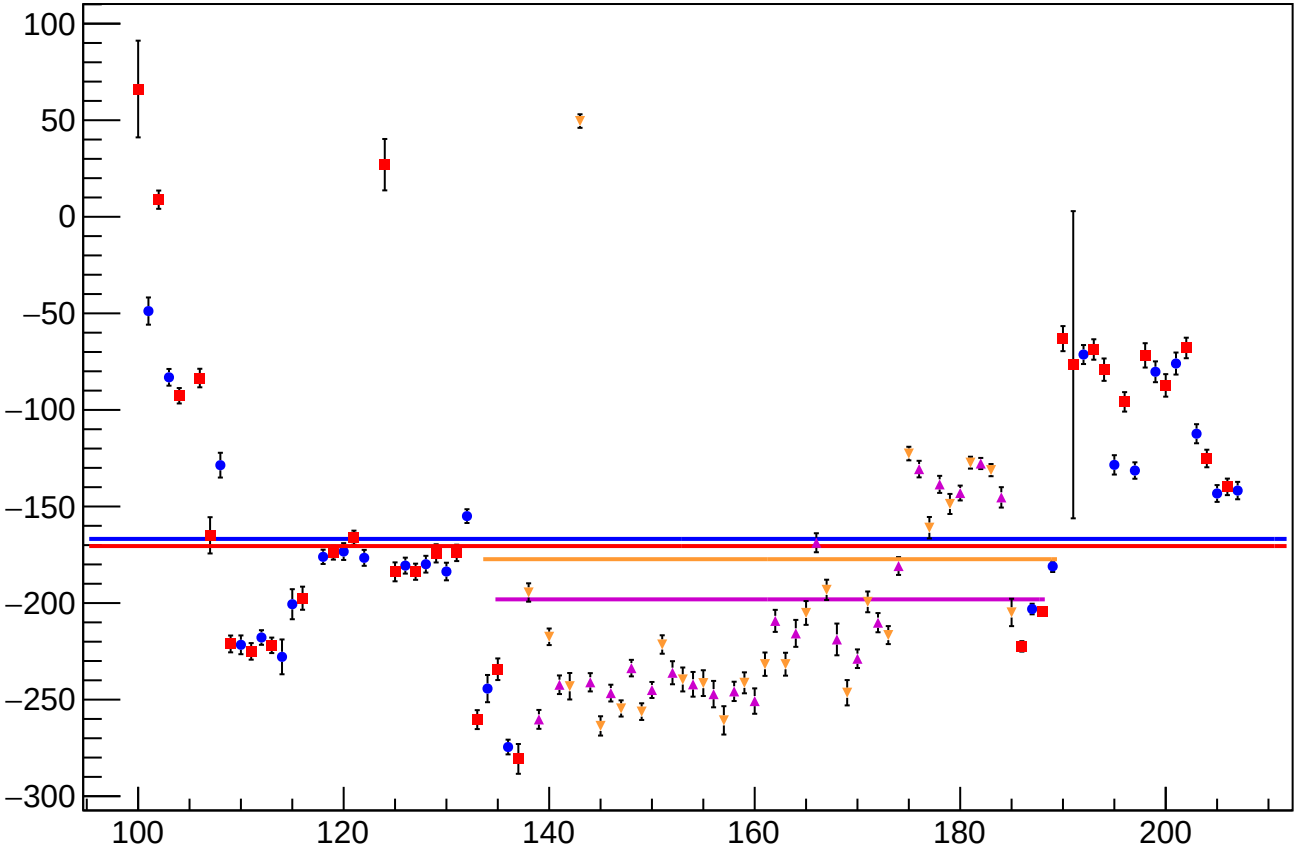
Right: -4.656+/-0.615 χ^2/NDF: 986.7/56

In: 1.033+/-0.583 χ^2/NDF:910.0/48

Out: -0.400+/-0.550 χ^2/NDF:985.0/55

All: 0.276+/-0.400 χ^2/NDF: 1898.1/104

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -166.780+/-0.862 χ^2/NDF: 3440.3/25

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

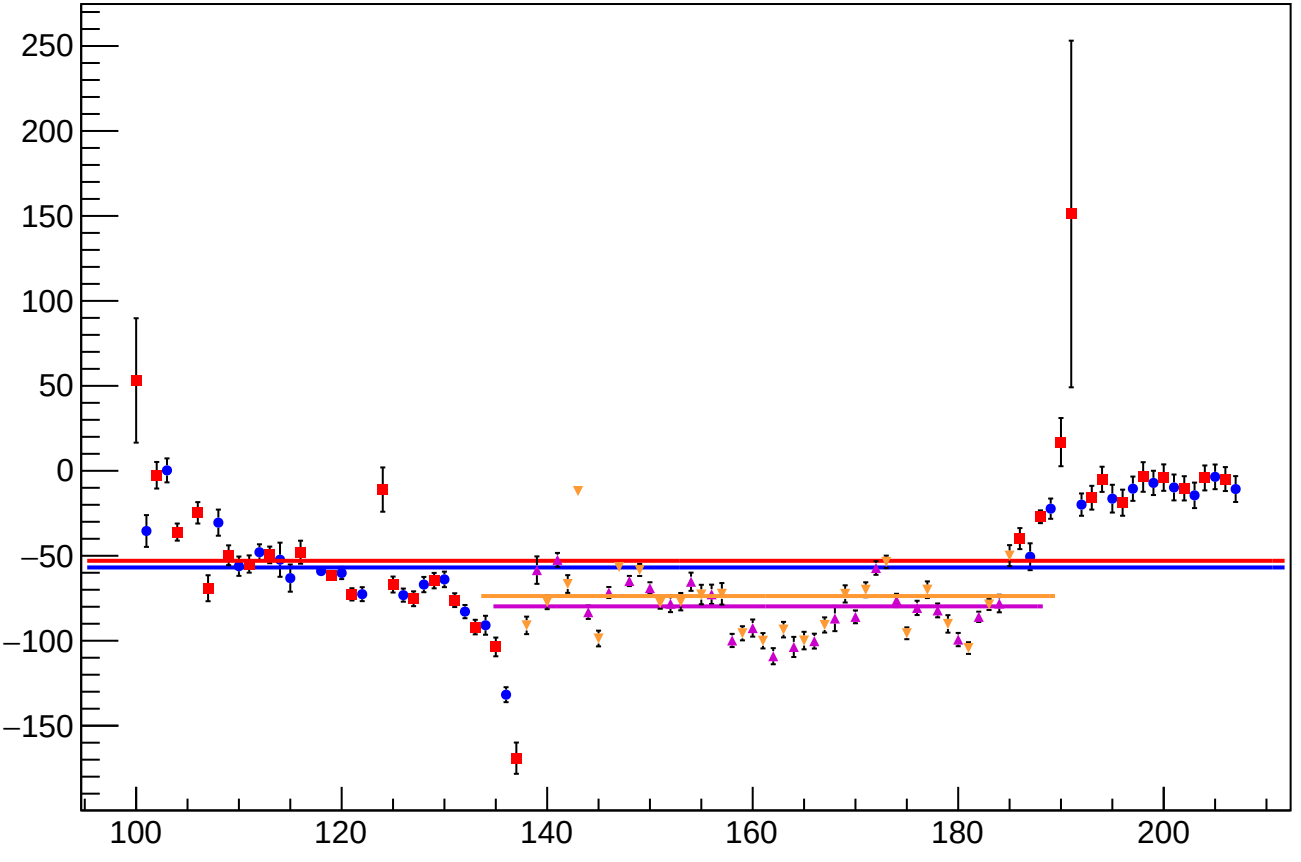
Right: -168.877+/-0.568 χ^2/NDF: 10098.7/56

In: -180.118+/-0.653 χ^2/NDF:6389.1/48

Out: -173.096+/-0.592 χ^2/NDF:13719.1/55

All: -176.268+/-0.439 χ^2/NDF: 20171.6/104

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -56.880+/-1.049 χ^2/NDF: 840.6/25

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -52.956+/-1.010 χ^2/NDF: 905.7/30

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

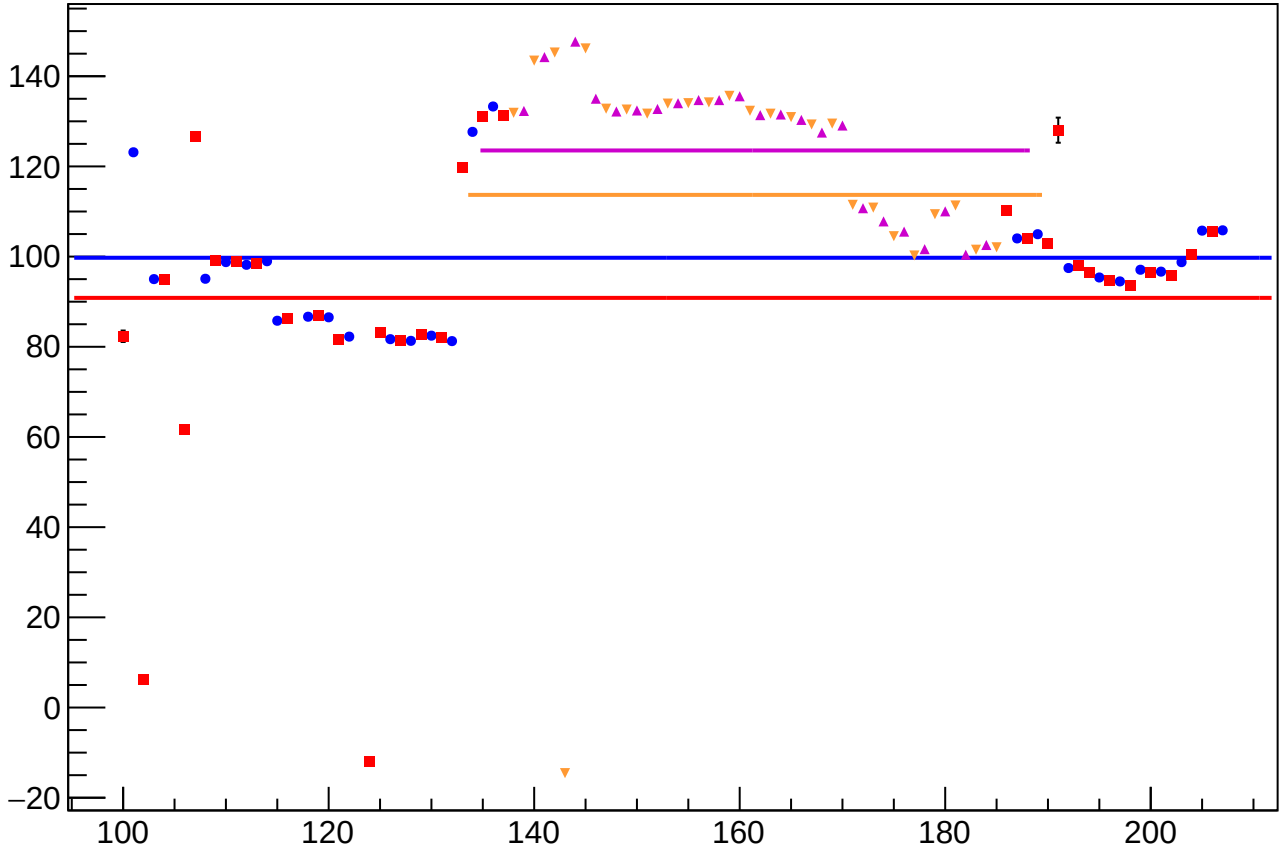
Right: -54.844+/-0.727 χ^2/NDF: 1753.6/56

In: -70.390+/-0.671 χ^2/NDF:1399.0/48

Out: -65.355+/-0.641 χ^2/NDF:1997.6/55

All: -67.755+/-0.463 χ^2/NDF: 3426.1/104

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.743+/-0.055 χ^2/NDF: 70038.7/25

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

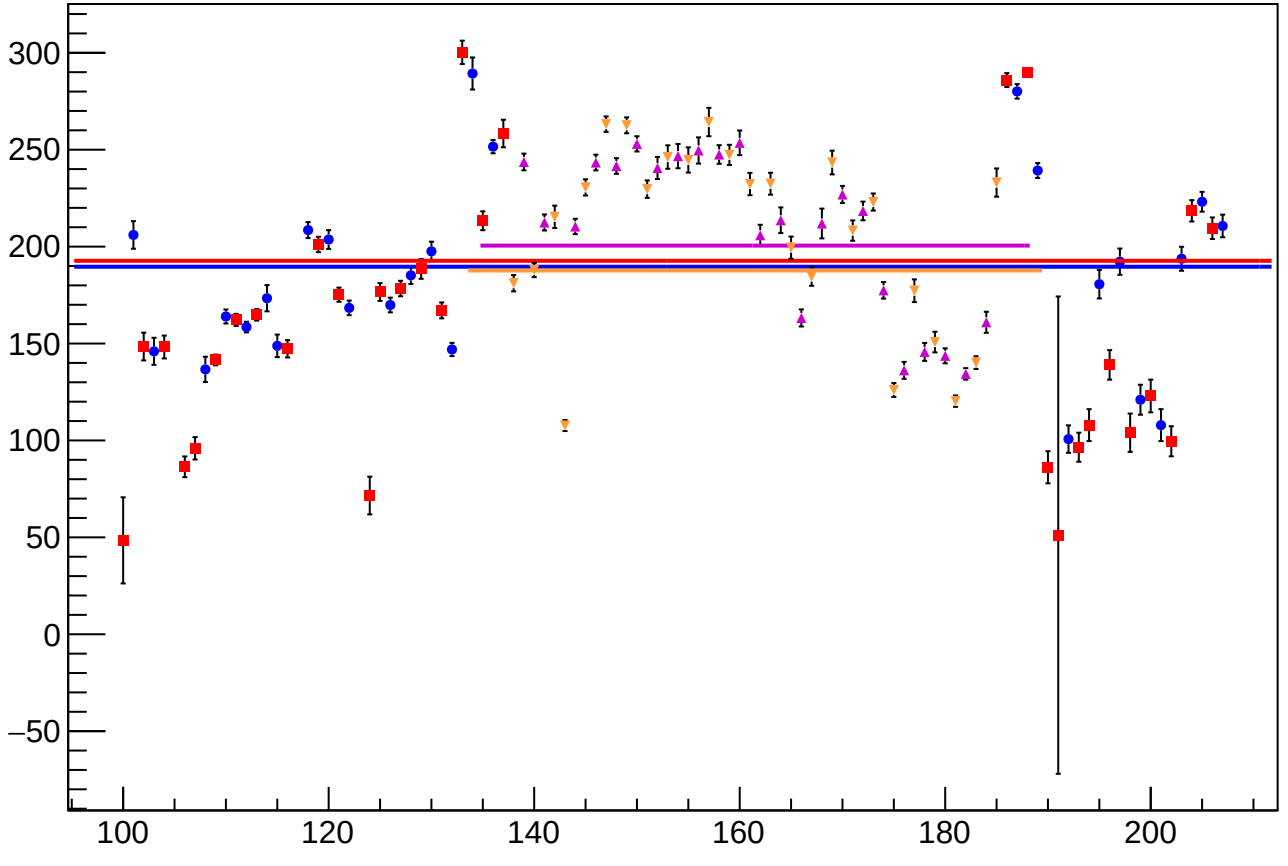
Right: 94.981+/-0.037 χ^2/NDF: 371946.1/56

In: 115.329+/-0.032 χ^2/NDF:329109.9/48

Out: 105.405+/-0.031 χ^2/NDF:1379400.3/55

All: 110.139+/-0.022 χ^2/NDF: 1758604.4/104

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.627+/-0.926 χ^2/NDF: 2202.5/25

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

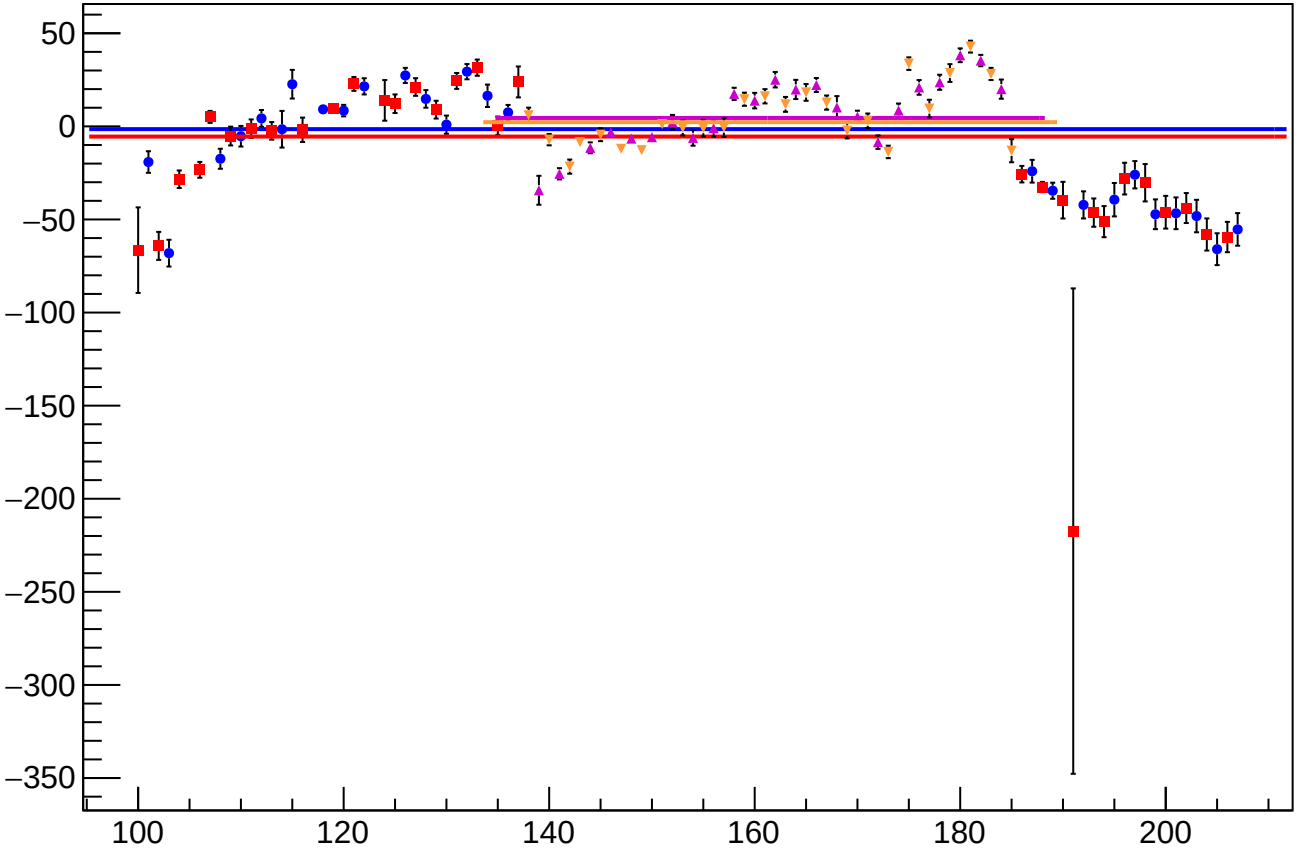
Right: 191.329+/-0.617 χ^2/NDF: 8213.3/56

In: 194.906+/-0.665 χ^2/NDF:4381.0/48

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.446+/-0.449 χ^2/NDF: 13956.0/104

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.495+/-0.997 χ^2/NDF: 621.7/25

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

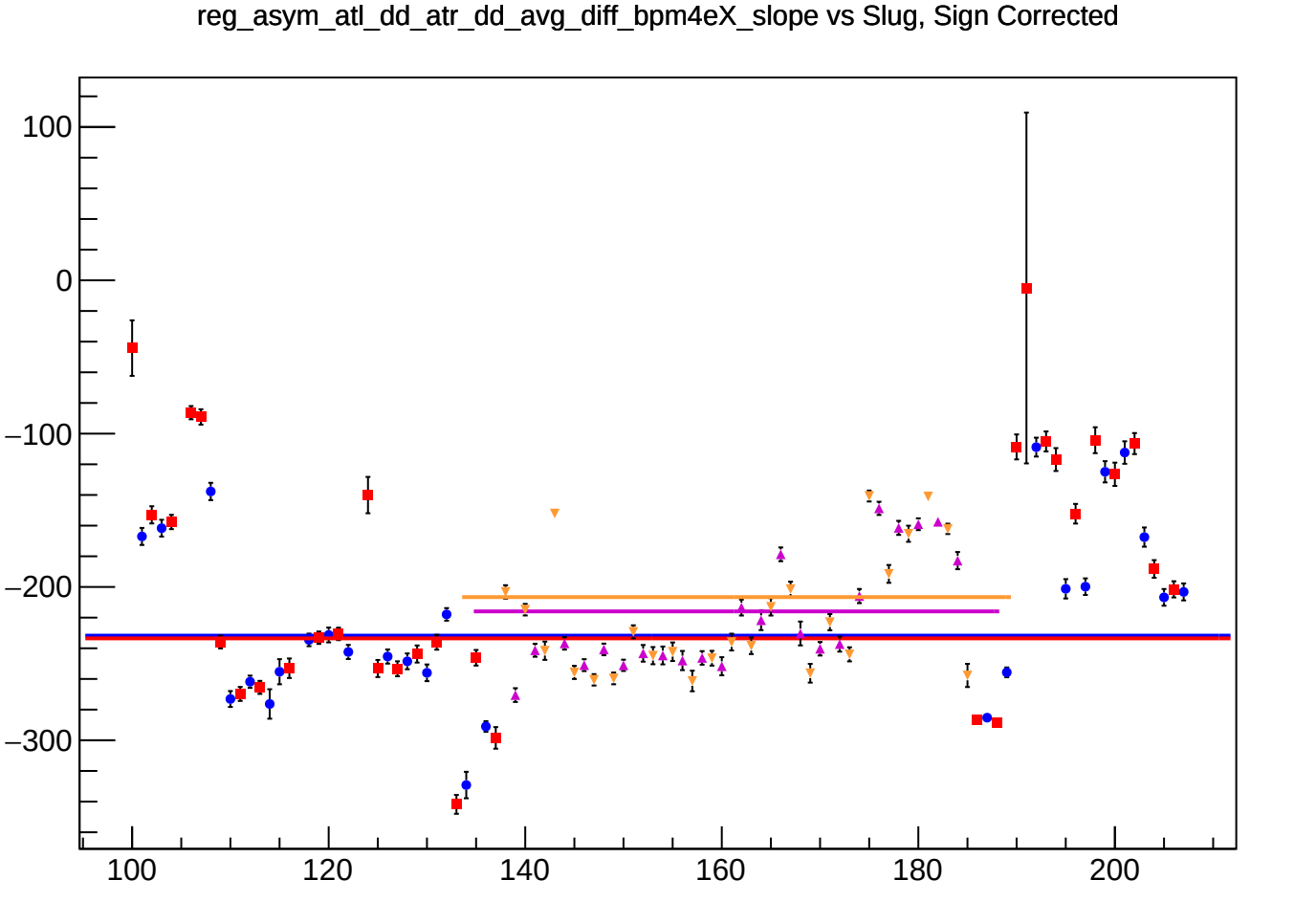
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -3.655+/-0.674 χ^2/NDF: 1364.1/56

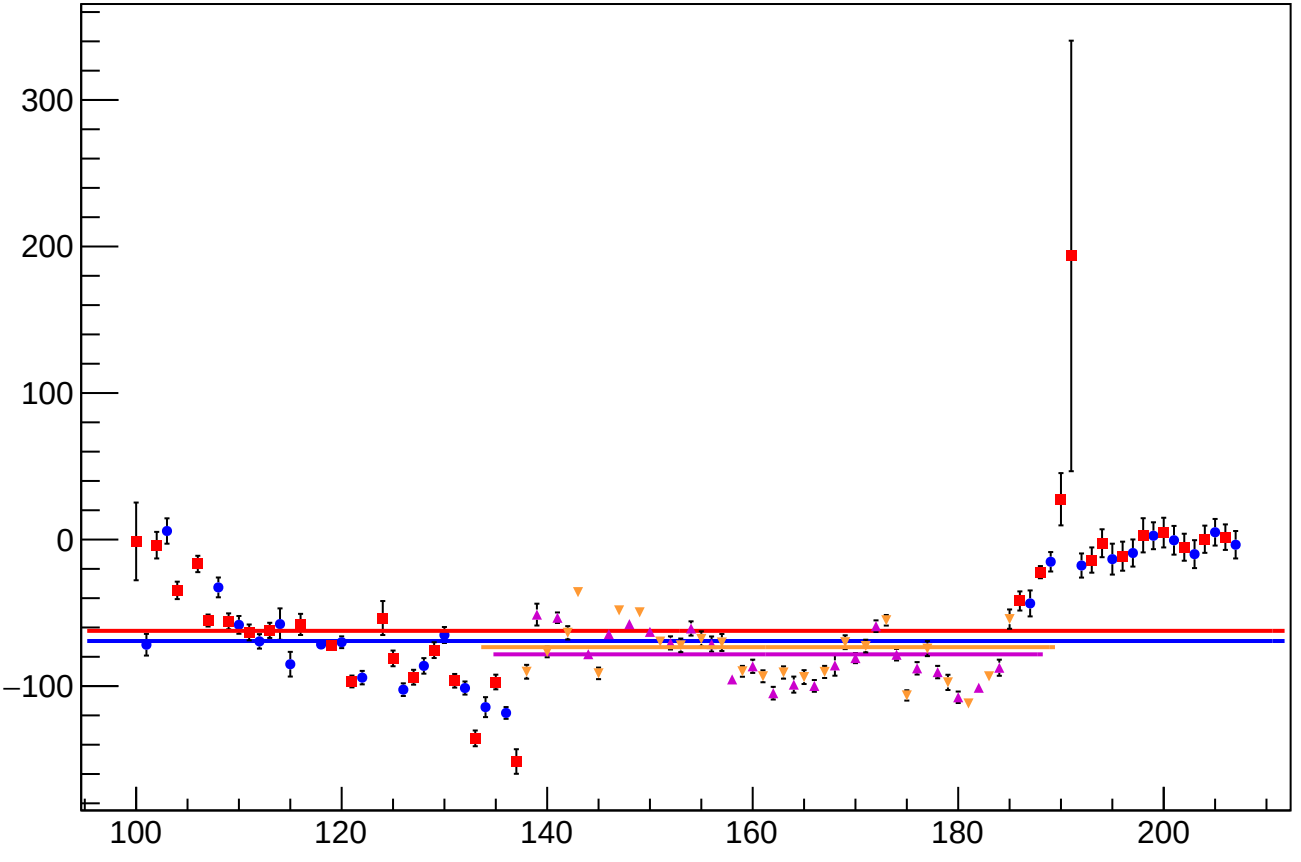
In: 2.474+/-0.580 χ^2/NDF:1192.8/48

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 0.918+/-0.395 χ^2/NDF: 2587.4/104


reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -231.760+/-0.969 χ²/NDF: 2671.4/25
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -233.542+/-0.833 χ²/NDF: 6659.3/30
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -232.784+/-0.632 χ²/NDF: 9332.7/56
In: -223.659+/-0.677 χ²/NDF:4519.8/48
Out: -221.039+/-0.610 χ²/NDF:9612.2/55
All: -222.212+/-0.453 χ²/NDF: 14140.2/104

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -69.230+/-1.169 χ^2/NDF: 906.0/25

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

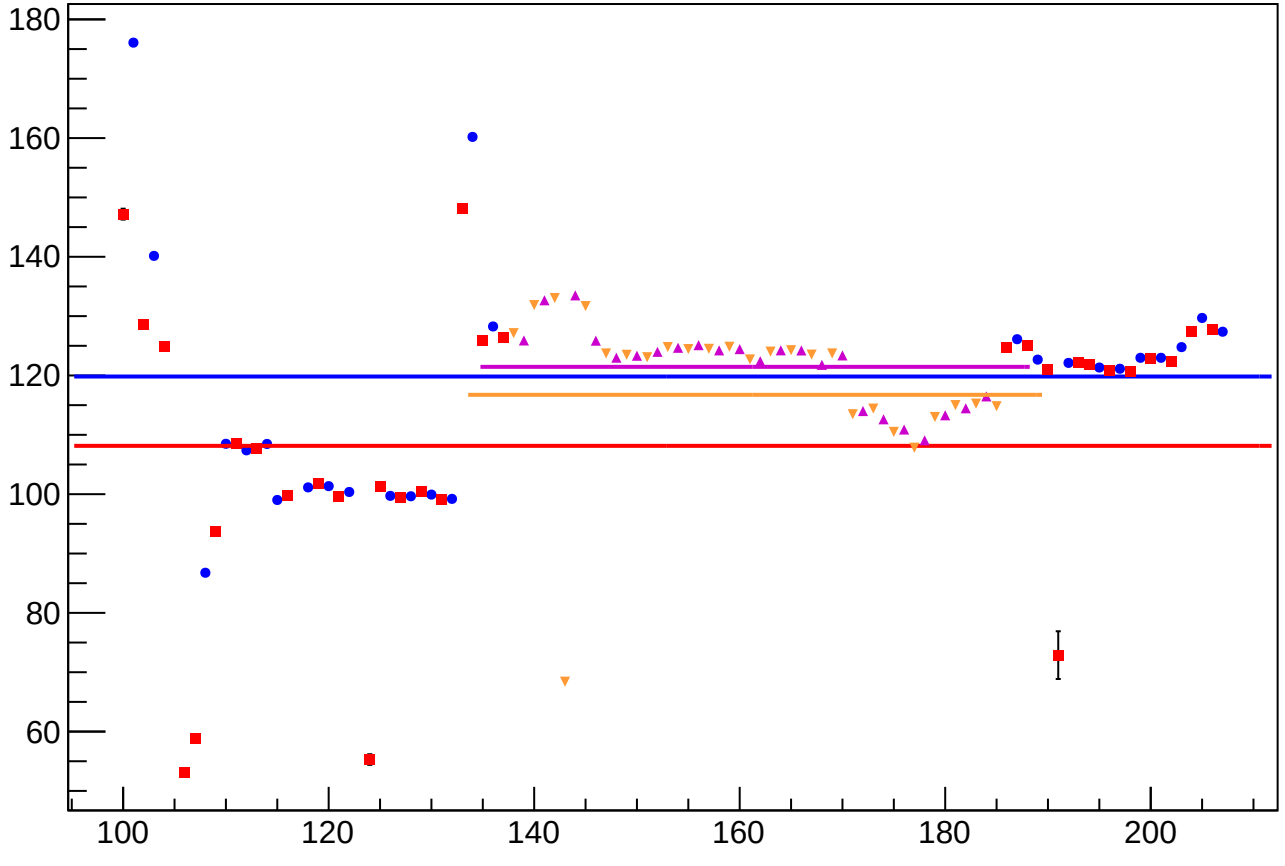
Right: -65.541+/-0.799 χ^2/NDF: 2046.6/56

In: -75.342+/-0.670 χ^2/NDF:1389.9/48

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.375+/-0.458 χ^2/NDF: 3454.5/104

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.826+/-0.062 χ^2/NDF: 97943.9/25

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

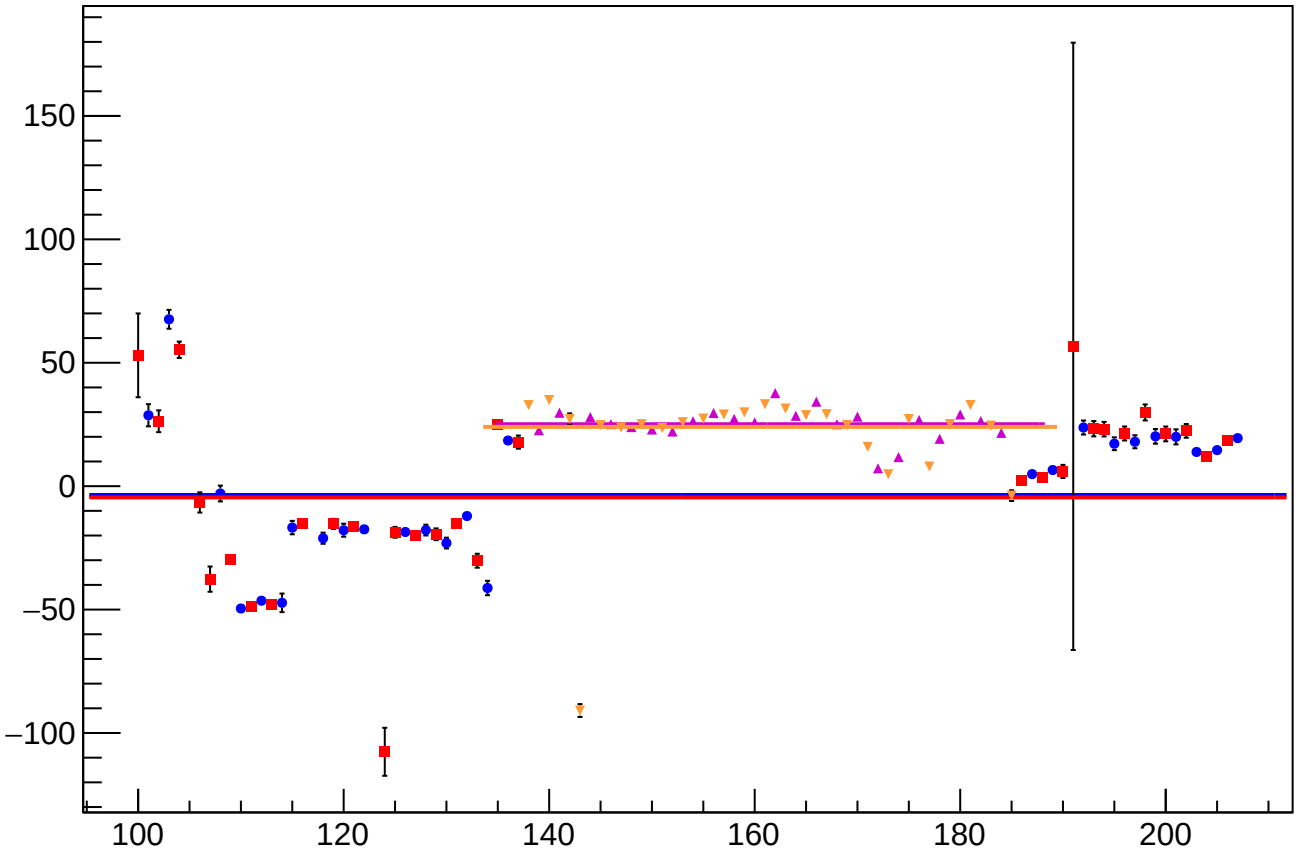
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 113.410+/-0.042 χ^2/NDF: 325224.0/56

In: 121.023+/-0.032 χ^2/NDF:127247.6/48

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.450+/-0.022 χ^2/NDF: 579025.3/104



Right In: -3.572+/-0.419 χ^2/NDF: 3423.9/25

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

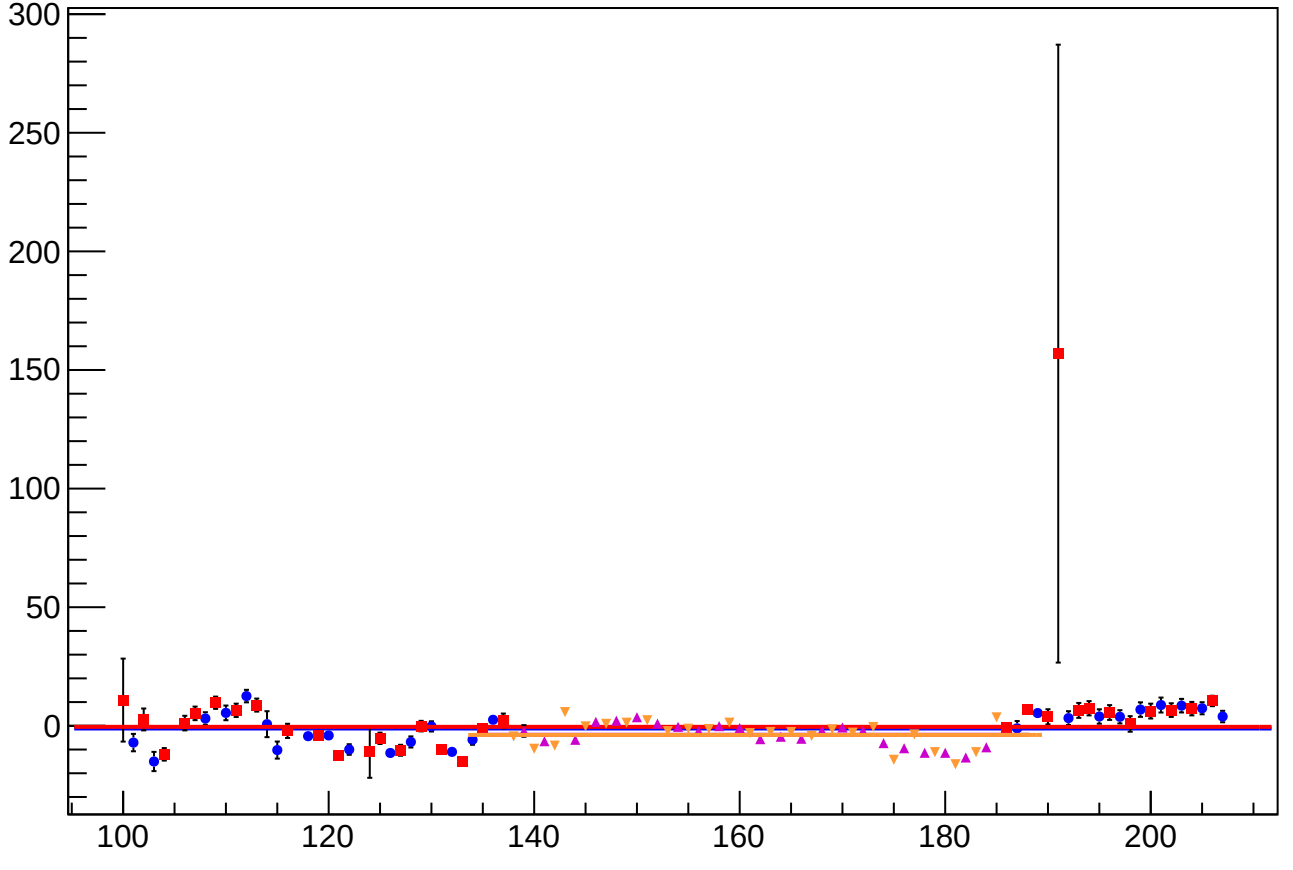
Right: -4.100+/-0.284 χ^2/NDF: 7139.4/56

In: 15.933+/-0.237 χ^2/NDF:7100.2/48

Out: 14.119+/-0.228 χ^2/NDF:10073.9/55

All: 14.991+/-0.164 χ^2/NDF: 17204.6/104

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.134+/-0.465 χ^2/NDF: 206.4/25

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

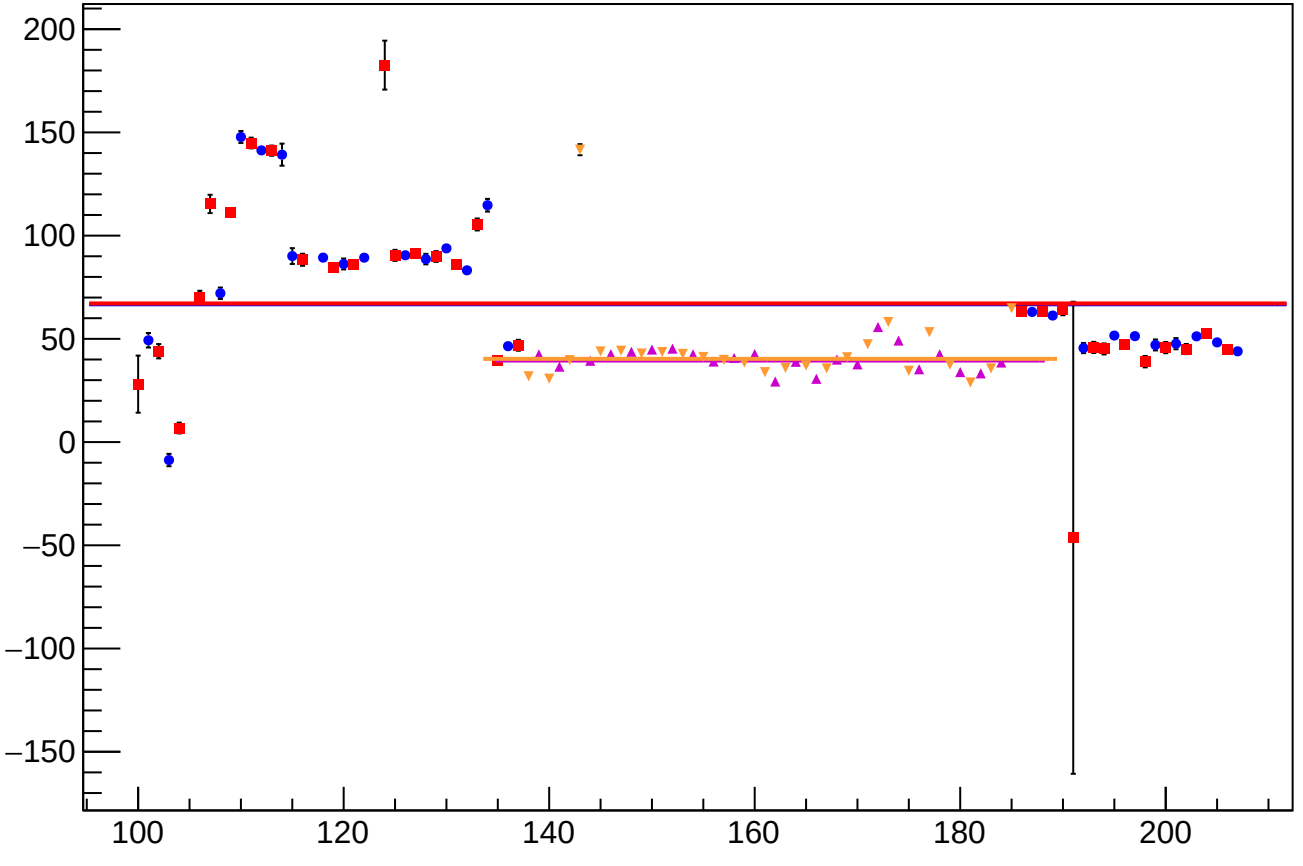
Right: -0.766+/-0.321 χ^2/NDF: 490.0/56

In: -3.284+/-0.202 χ^2/NDF:742.5/48

Out: -3.183+/-0.196 χ^2/NDF:979.4/55

All: -3.232+/-0.140 χ^2/NDF: 1722.0/104

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 66.737+/-0.430 χ^2/NDF: 4499.3/25

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

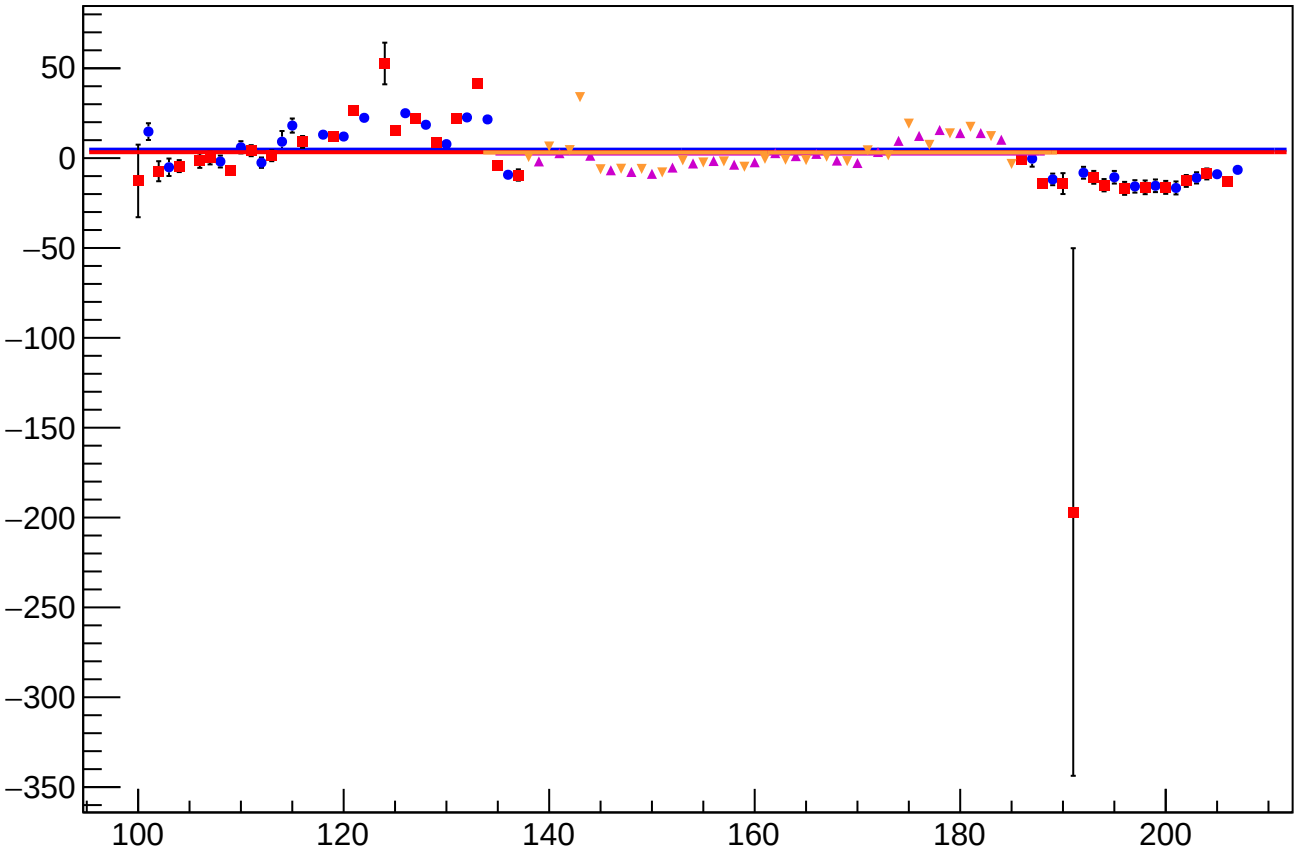
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 66.967+/-0.286 χ^2/NDF: 9248.6/56

In: 47.804+/-0.237 χ^2/NDF:7719.6/48

Out: 49.655+/-0.226 χ^2/NDF:10125.1/55

All: 48.774+/-0.164 χ^2/NDF: 17876.5/104



Right In: 4.719+/-0.535 χ^2/NDF: 674.9/25

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

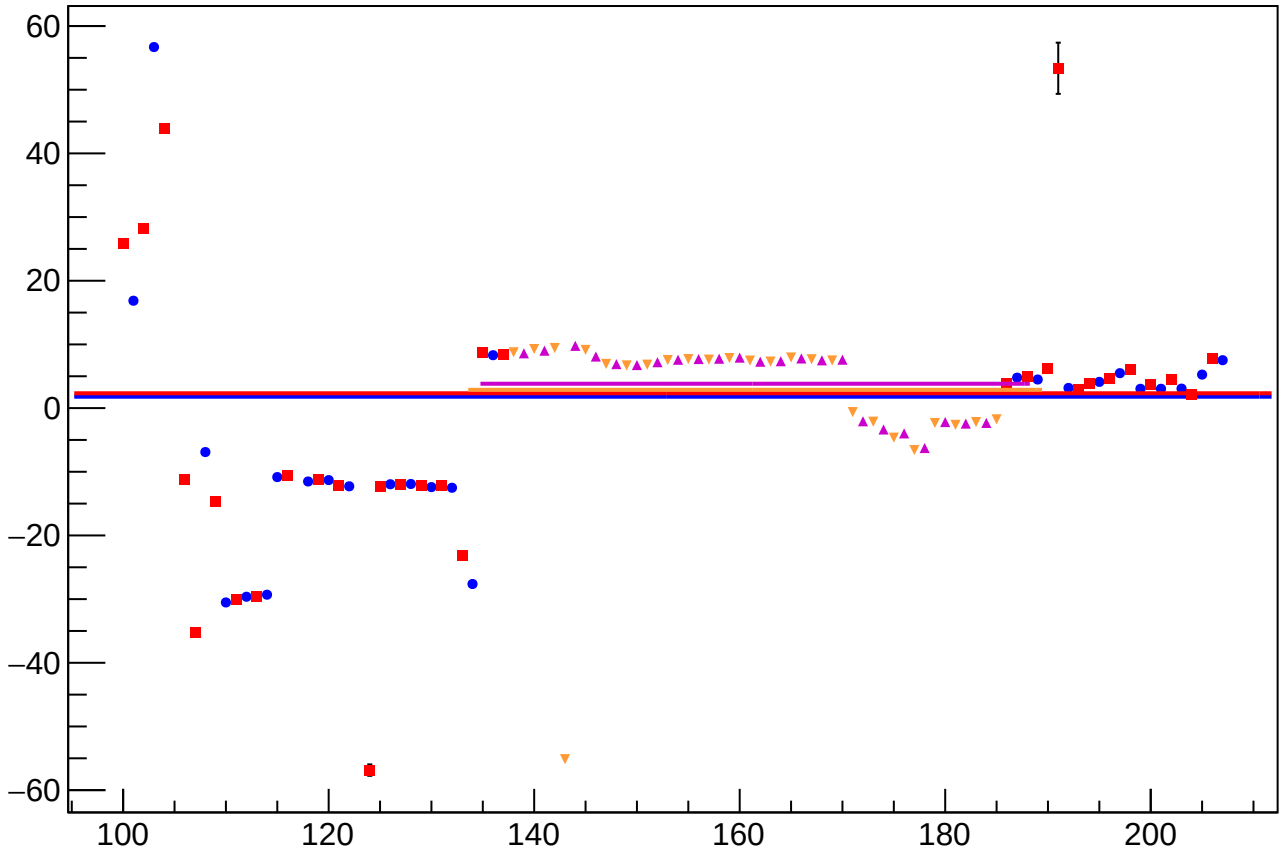
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 3.997+/-0.375 χ^2/NDF: 1570.6/56

In: 2.916+/-0.227 χ^2/NDF:1657.0/48

Out: 3.171+/-0.222 χ^2/NDF:2159.2/55

All: 3.046+/-0.159 χ^2/NDF: 3816.8/104



Right In: 1.789+/-0.025 χ^2/NDF: 379880.1/25

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

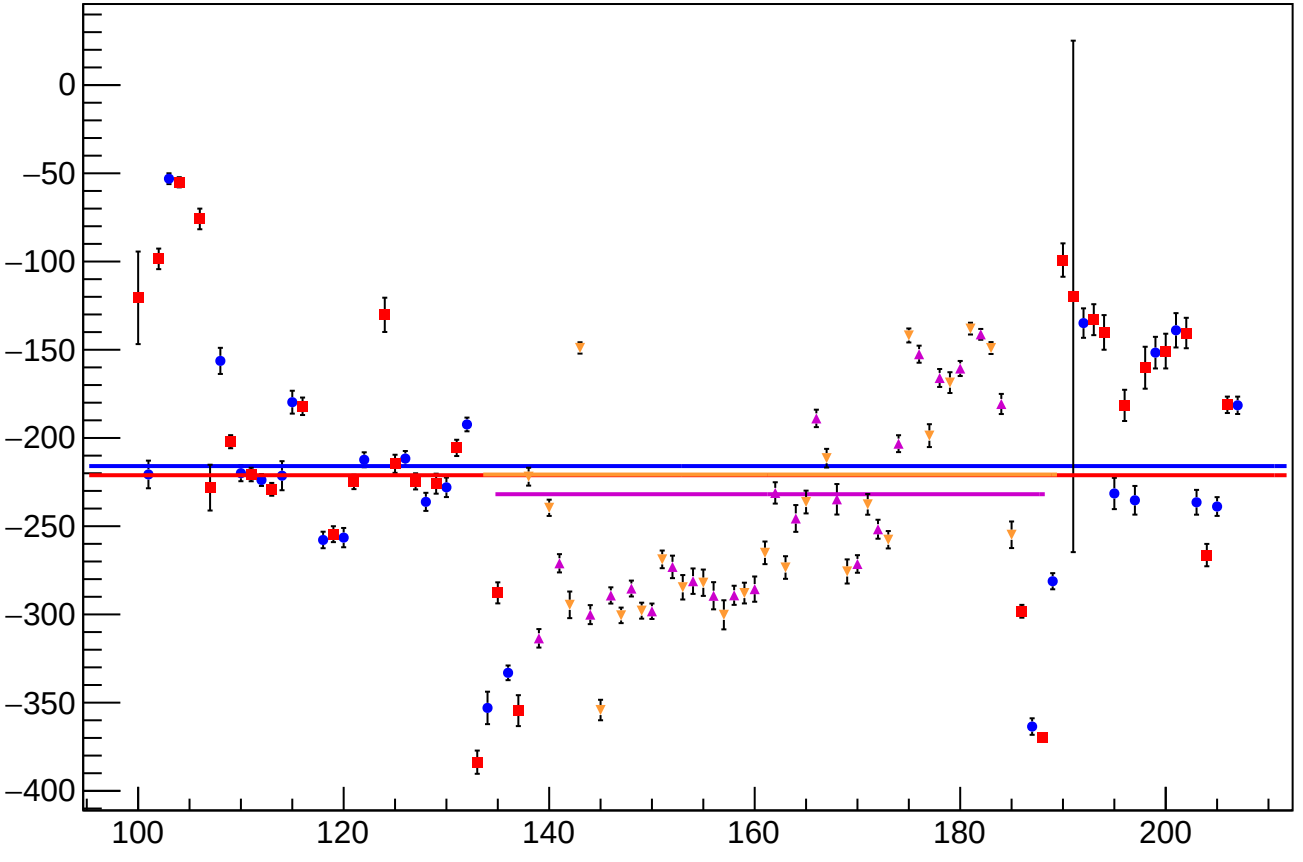
Right: 2.064+/-0.018 χ^2/NDF: 710301.6/56

In: 3.501+/-0.010 χ^2/NDF:618467.4/48

Out: 2.783+/-0.010 χ^2/NDF:842913.6/55

All: 3.138+/-0.007 χ^2/NDF: 1463893.9/104

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -215.927+/-1.016 χ^2/NDF: 5622.5/25

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

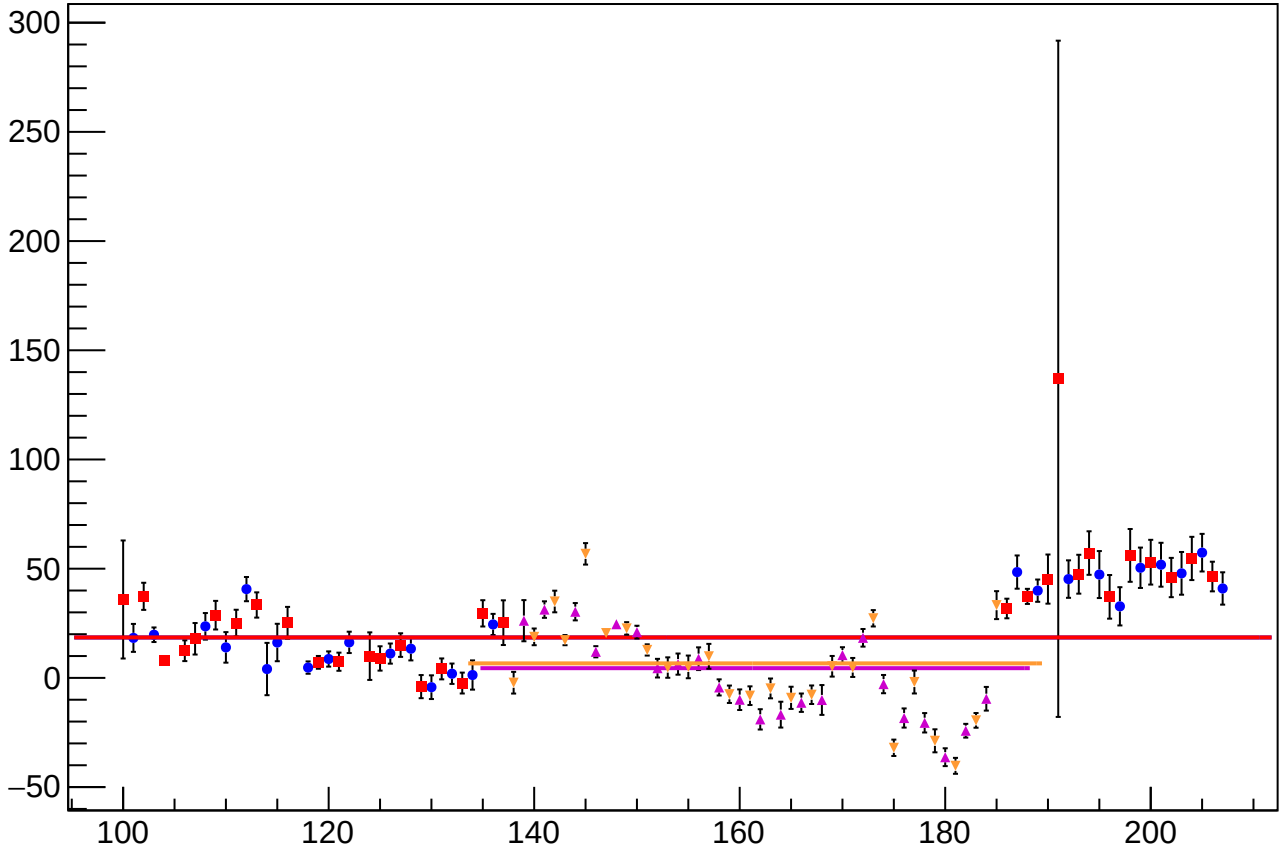
Right: -218.772+/-0.682 χ^2/NDF: 15894.1/56

In: -223.438+/-0.739 χ^2/NDF:8898.8/48

Out: -220.935+/-0.683 χ^2/NDF:14309.6/55

All: -222.088+/-0.502 χ^2/NDF: 23214.6/104

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.498+/-1.087 χ^2/NDF: 206.7/25

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

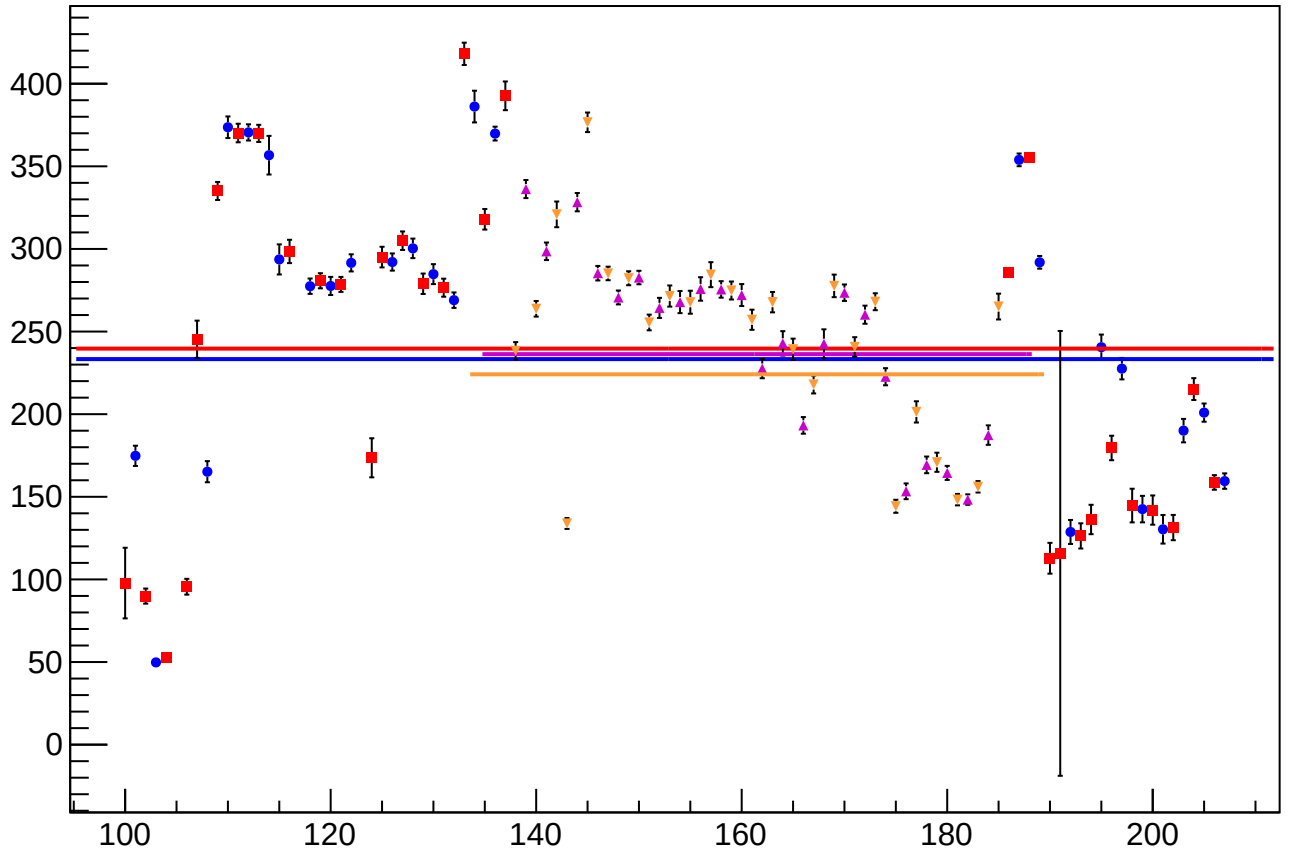
Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

Right: 18.514+/-0.730 χ^2/NDF: 460.8/56

In: 9.438+/-0.648 χ^2/NDF:881.5/48

Out: 11.019+/-0.598 χ^2/NDF:1080.9/55

All: 10.292+/-0.439 χ^2/NDF: 1965.6/104



Right In: 233.331+/-1.024 χ^2/NDF: 11397.6/25

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

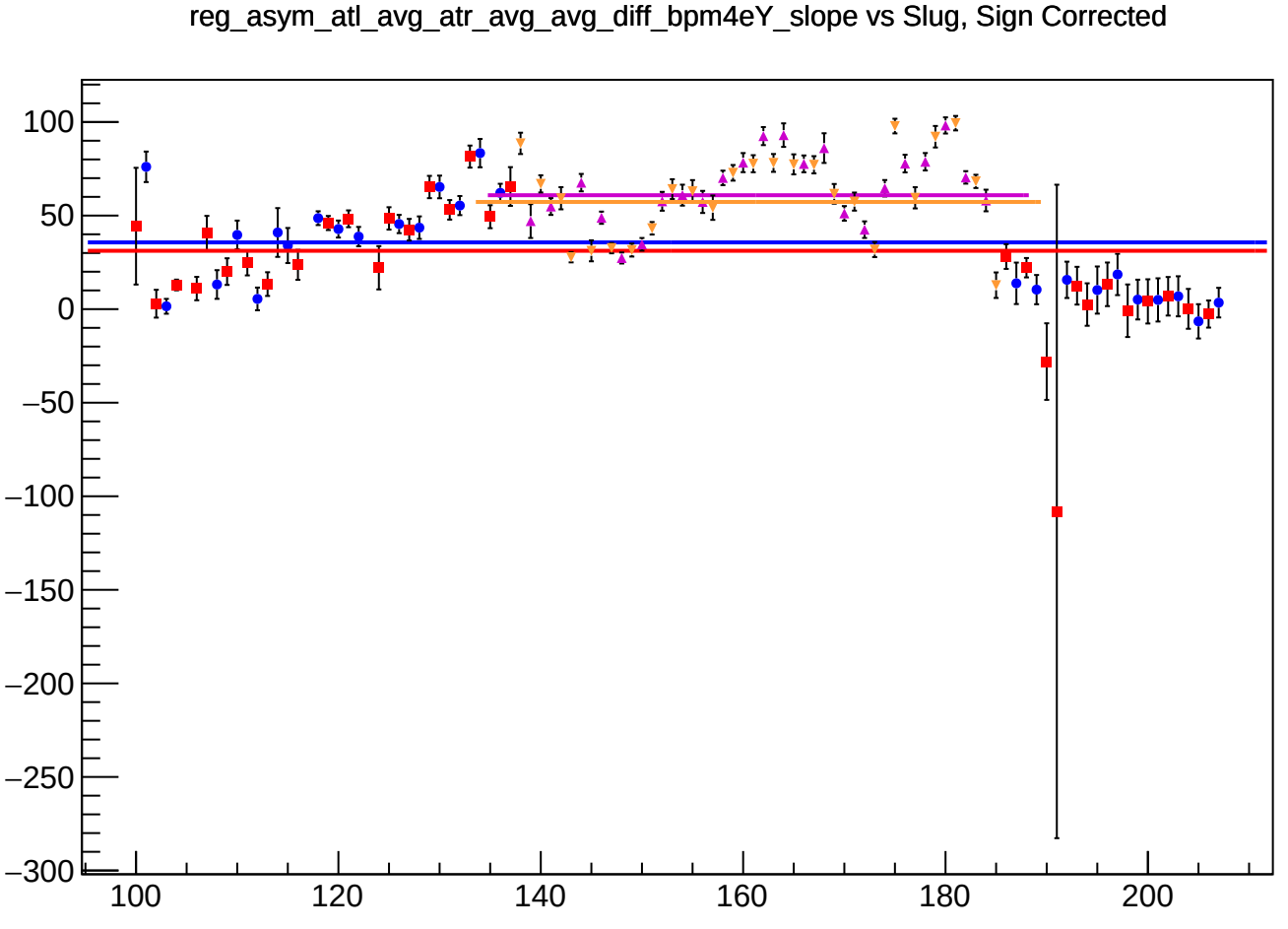
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 236.921+/-0.675 χ^2/NDF: 28386.9/56

In: 234.776+/-0.739 χ^2/NDF:14394.6/48

Out: 232.840+/-0.672 χ^2/NDF:21066.2/55

All: 233.716+/-0.497 χ^2/NDF: 35464.6/104



Right In: 35.670+/-1.276 χ^2/NDF: 347.3/25

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

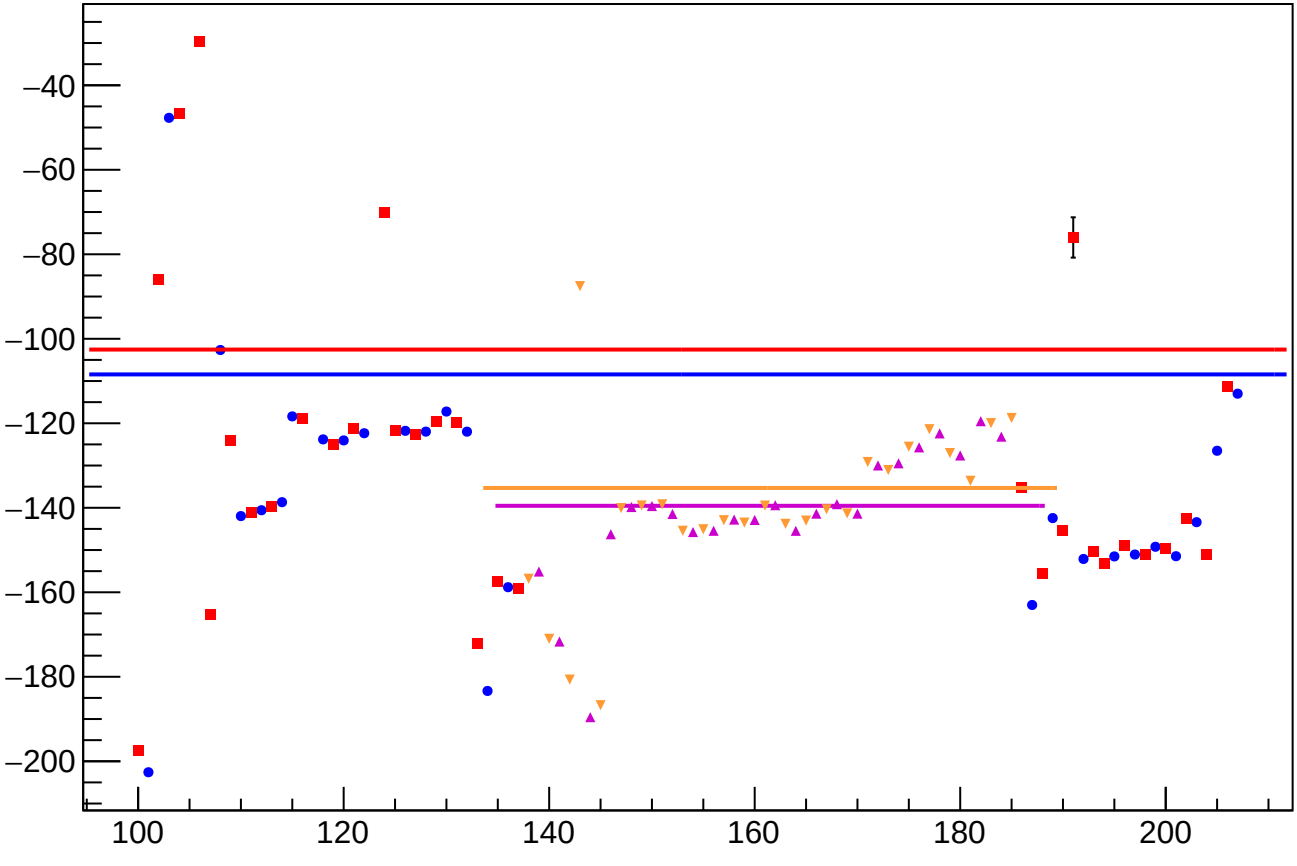
Right: 33.263+/-0.868 χ^2/NDF: 689.6/56

In: 52.220+/-0.748 χ^2/NDF:1058.4/48

Out: 48.162+/-0.700 χ^2/NDF:1419.6/55

All: 50.058+/-0.511 χ^2/NDF: 2493.7/104

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -108.433+/-0.059 χ^2/NDF: 662446.7/25

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

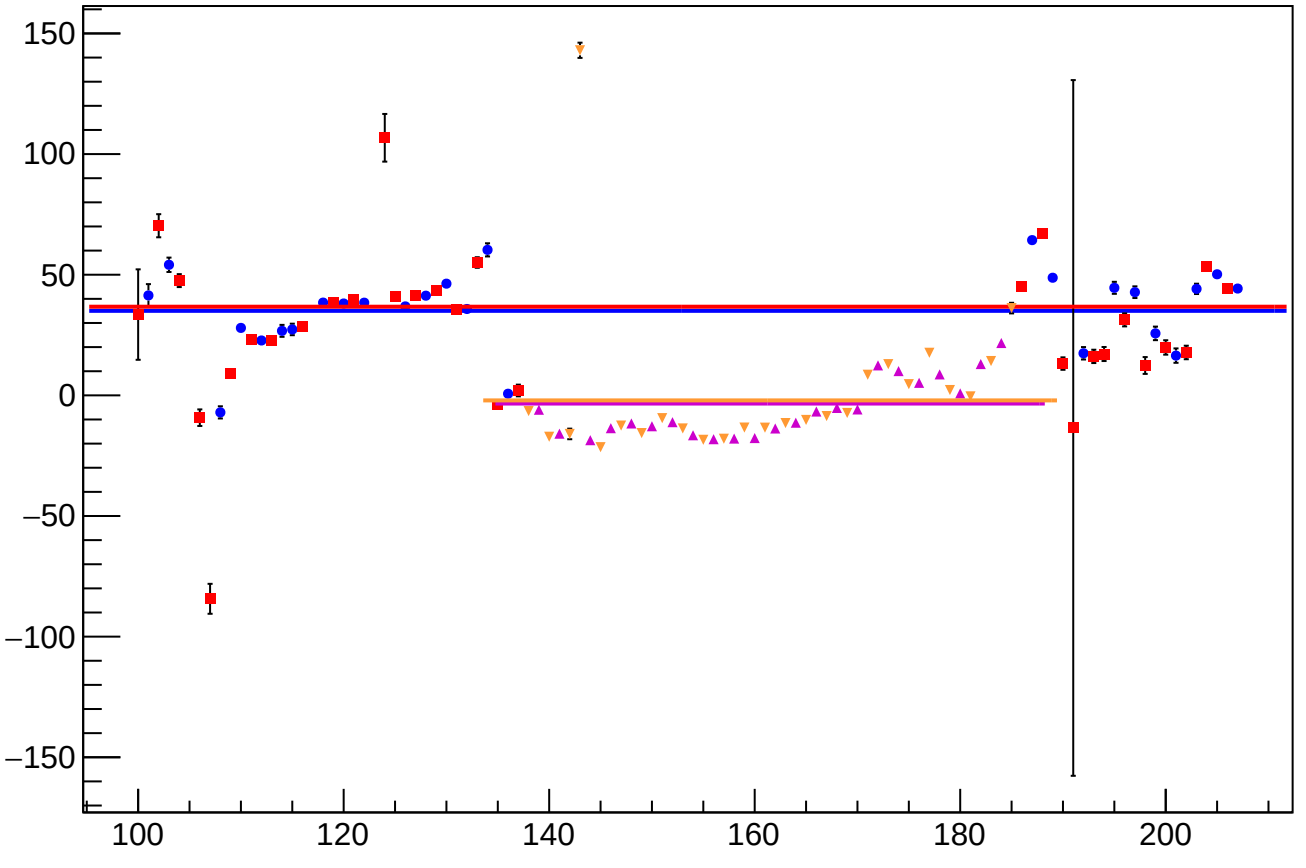
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

Right: -105.354+/-0.041 χ^2/NDF: 1387121.1/56

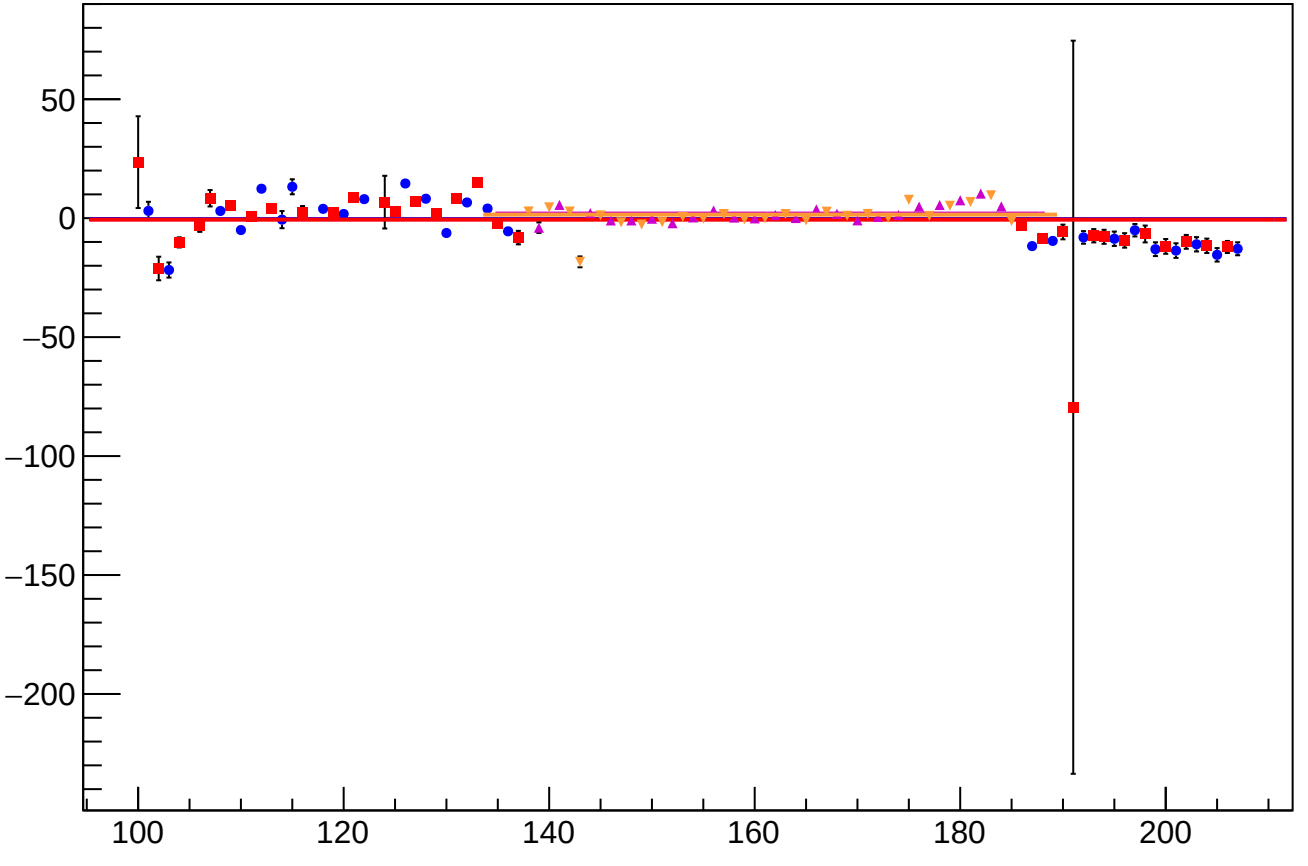
In: -129.070+/-0.034 χ^2/NDF:960426.2/48

Out: -124.139+/-0.033 χ^2/NDF:1204497.5/55

All: -126.505+/-0.024 χ^2/NDF: 2175673.7/10


reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: 35.032+/-0.347 χ²/NDF: 2401.3/25
Left Out: -2.091+/-0.267 χ²/NDF:4201.3/24
Right Out: 36.740+/-0.307 χ²/NDF: 4710.6/30
Left In: -3.391+/-0.271 χ²/NDF:1752.8/22
Left: -2.730+/-0.190 χ²/NDF: 5965.8/47
Right: 35.990+/-0.230 χ²/NDF: 7125.4/56
In: 11.171+/-0.214 χ²/NDF:11756.6/48
Out: 14.593+/-0.201 χ²/NDF:18015.2/55
All: 12.983+/-0.147 χ²/NDF: 29907.5/104

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.394+/-0.384 χ^2/NDF: 489.8/25

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

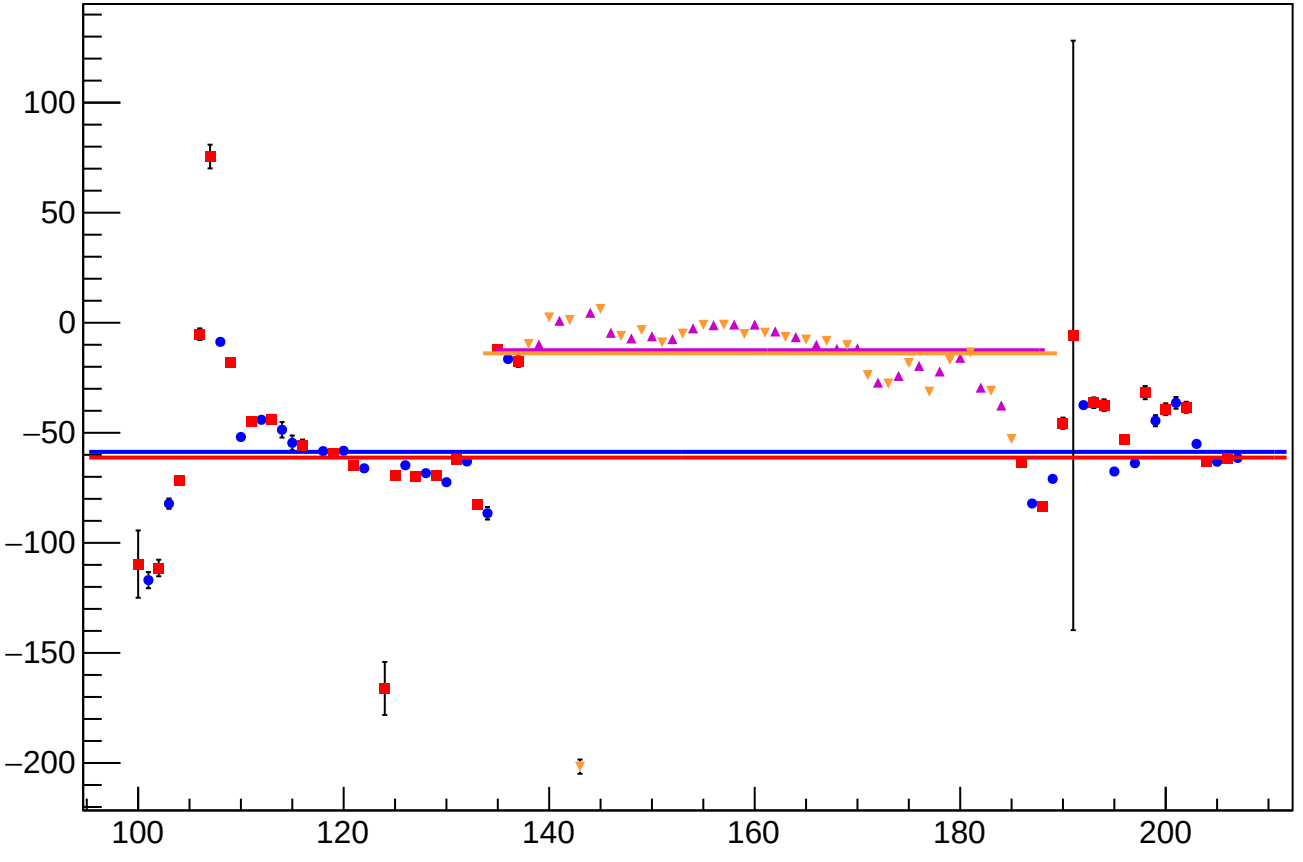
Right: -0.512+/-0.262 χ^2/NDF: 899.4/56

In: 1.397+/-0.185 χ^2/NDF:758.7/48

Out: 0.970+/-0.178 χ^2/NDF:764.0/55

All: 1.175+/-0.128 χ^2/NDF: 1525.5/104

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.660+/-0.360 χ^2/NDF: 3336.3/25

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

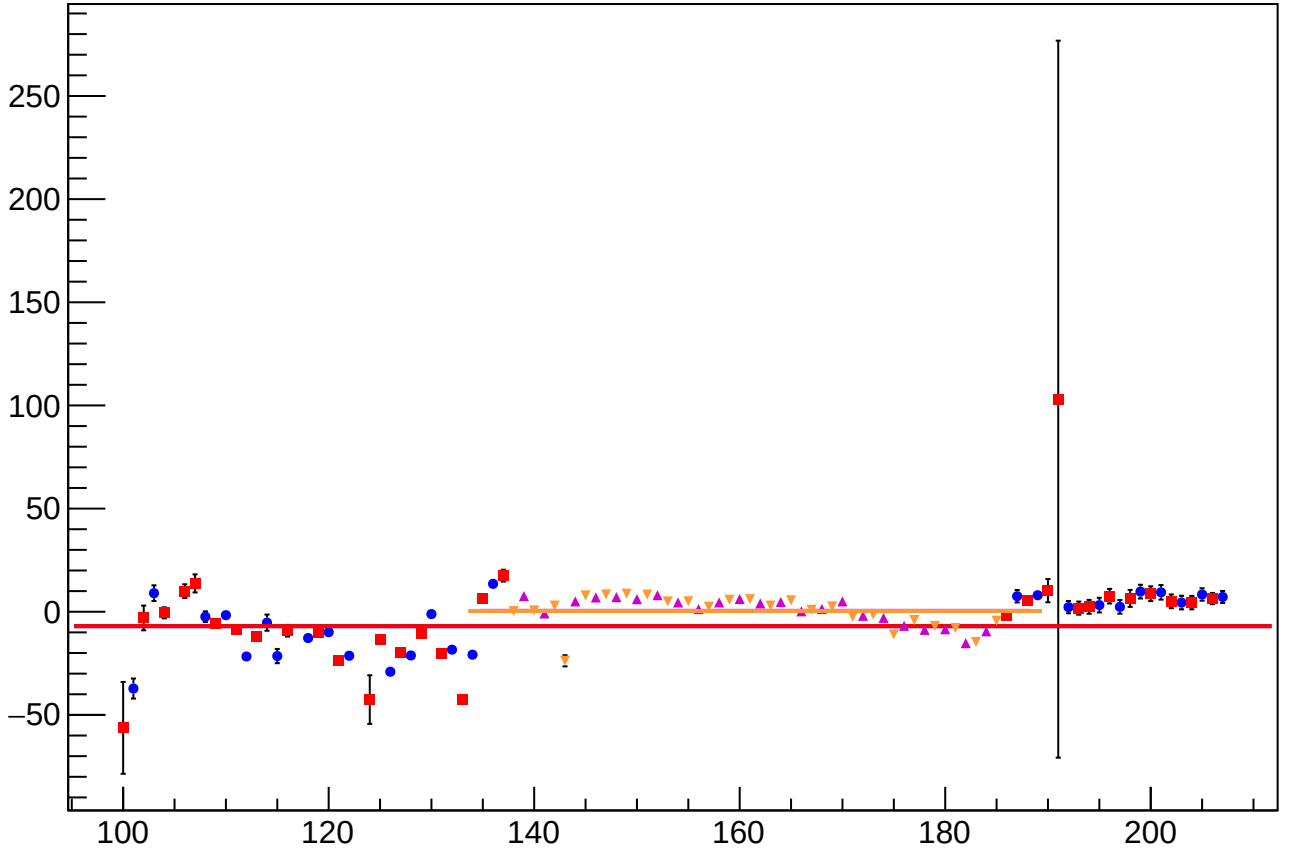
Right: -60.183+/-0.232 χ^2/NDF: 8831.0/56

In: -29.029+/-0.215 χ^2/NDF:15339.7/48

Out: -34.428+/-0.199 χ^2/NDF:24460.2/55

All: -31.937+/-0.146 χ^2/NDF: 40138.6/104

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.018+/-0.448 χ^2/NDF: 918.3/25

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

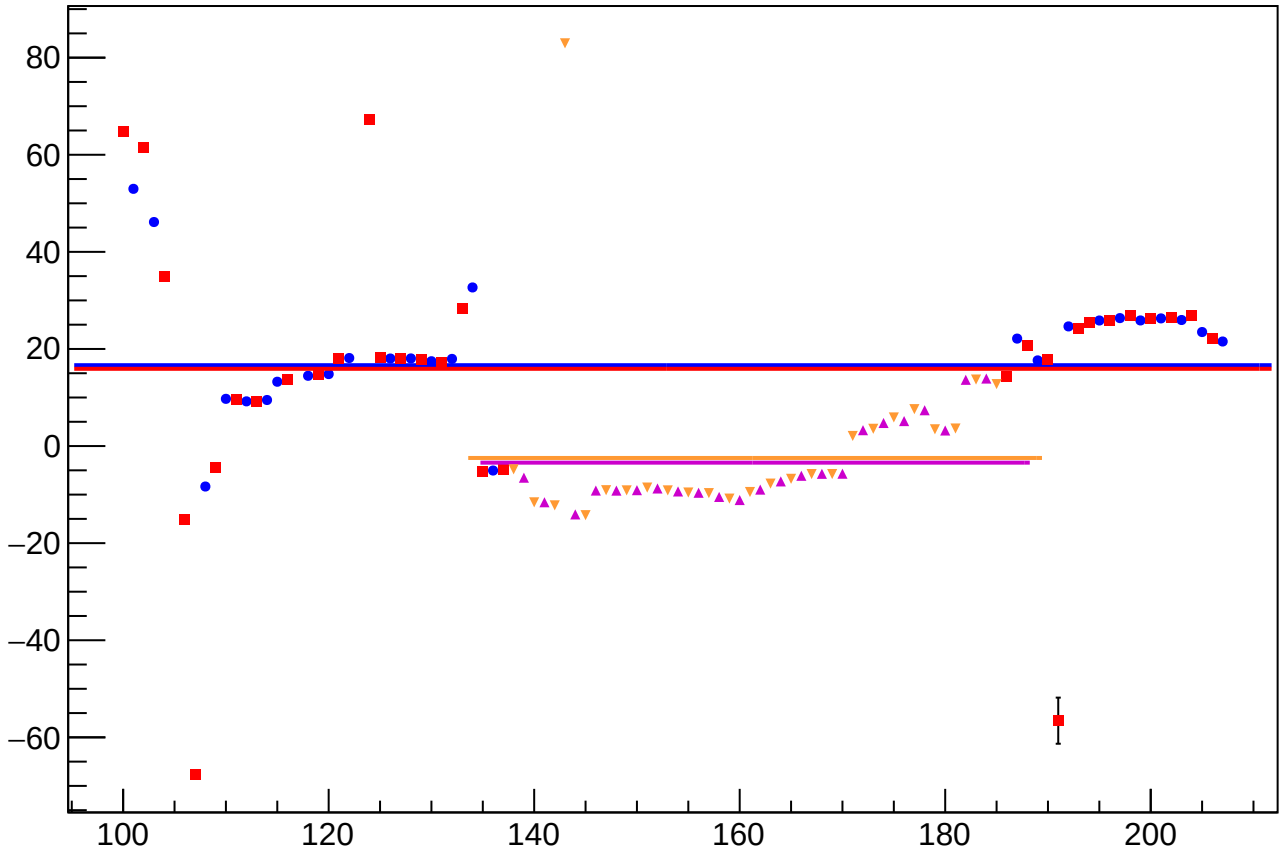
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -6.987+/-0.311 χ^2/NDF: 1857.4/56

In: -1.192+/-0.209 χ^2/NDF:1916.6/48

Out: -1.288+/-0.204 χ^2/NDF:2083.9/55

All: -1.241+/-0.146 χ^2/NDF: 4000.6/104



Right In: 16.656+/-0.023 χ^2/NDF: 432760.8/25

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

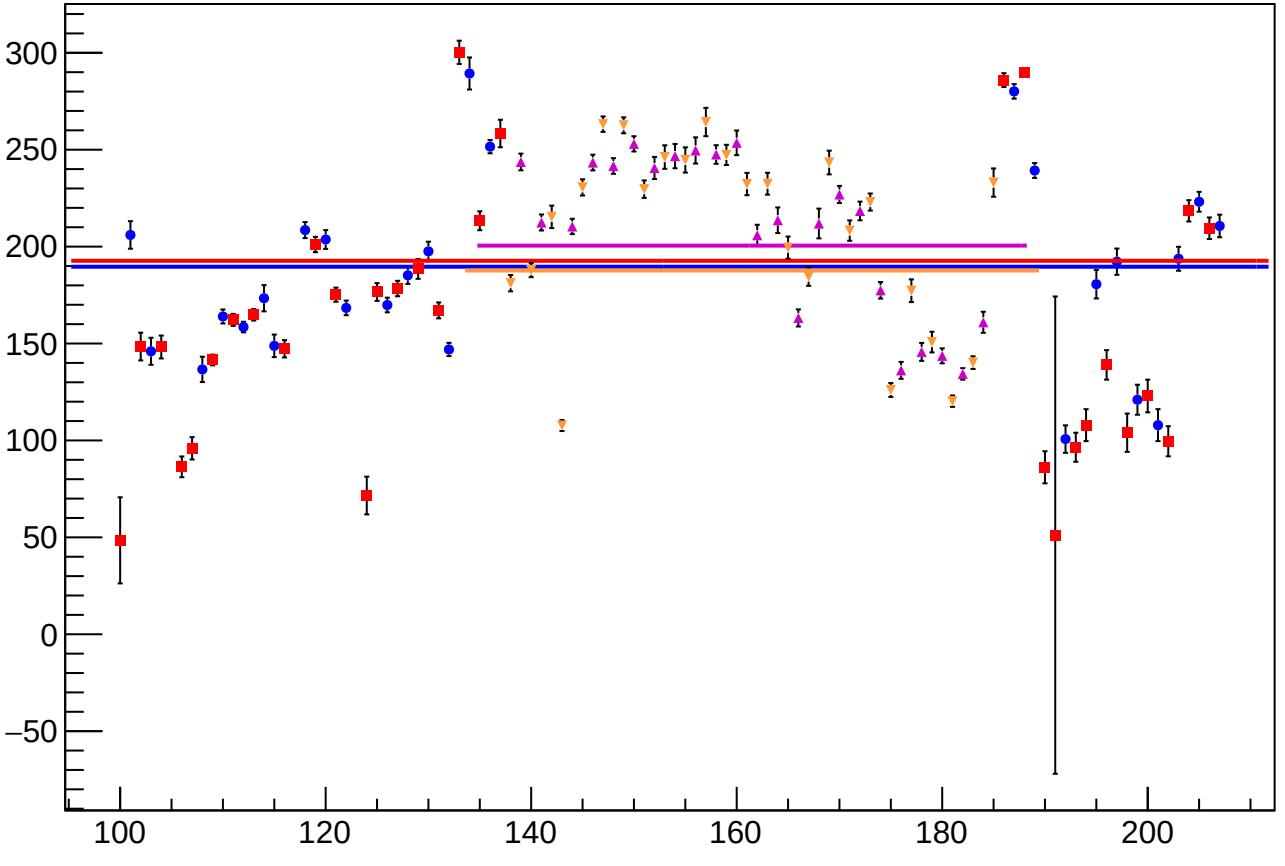
Right: 16.277+/-0.016 χ^2/NDF: 990655.7/56

In: 0.054+/-0.009 χ^2/NDF:1618977.9/48

Out: 0.771+/-0.009 χ^2/NDF:2071374.0/55

All: 0.416+/-0.007 χ^2/NDF: 3693230.9/104

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.627+/-0.926 χ^2/NDF: 2202.5/25

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

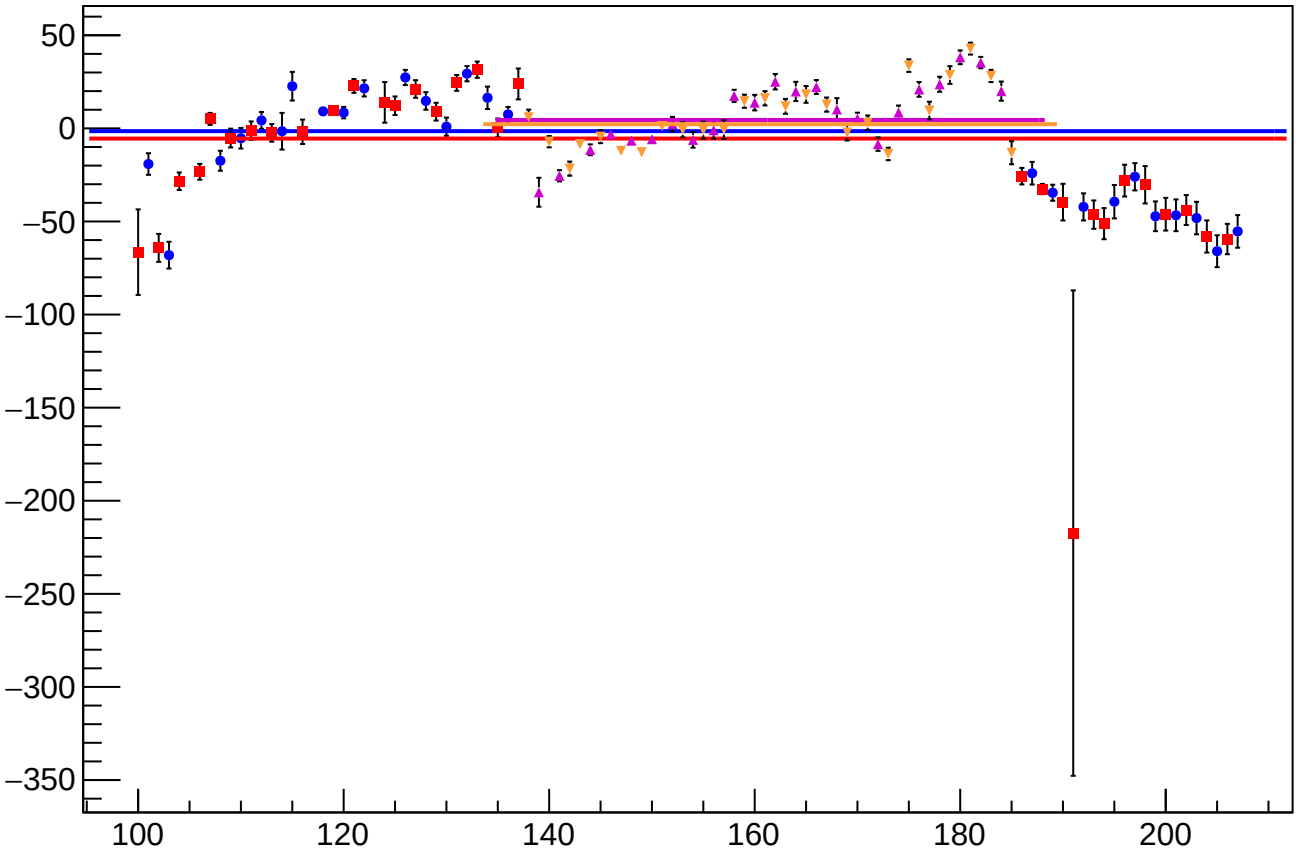
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 191.329+/-0.617 χ^2/NDF: 8213.3/56

In: 194.906+/-0.665 χ^2/NDF:4381.0/48

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.446+/-0.449 χ^2/NDF: 13956.0/104



Right In: -1.495+/-0.997 χ^2/NDF: 621.7/25

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

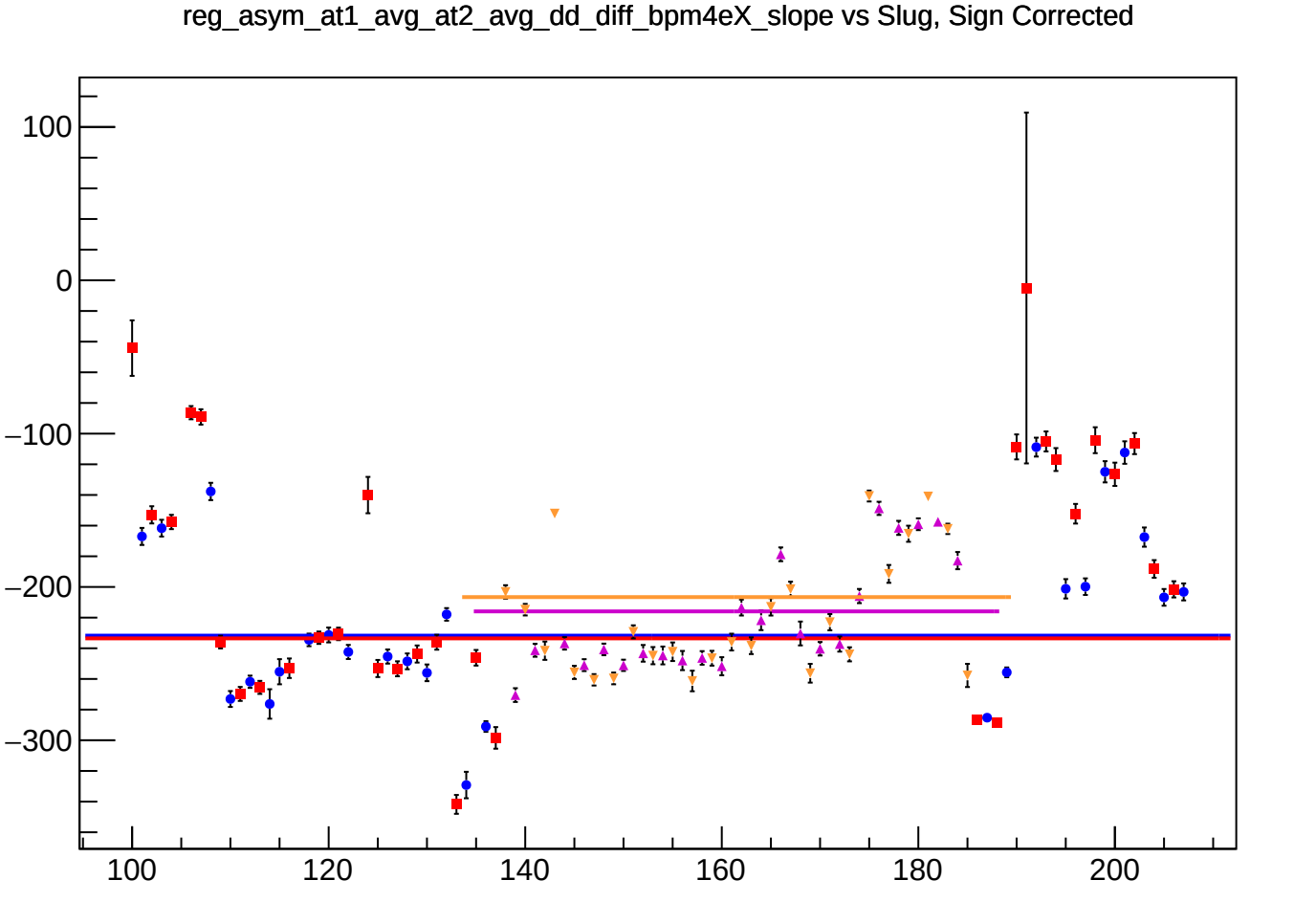
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -3.655+/-0.674 χ^2/NDF: 1364.1/56

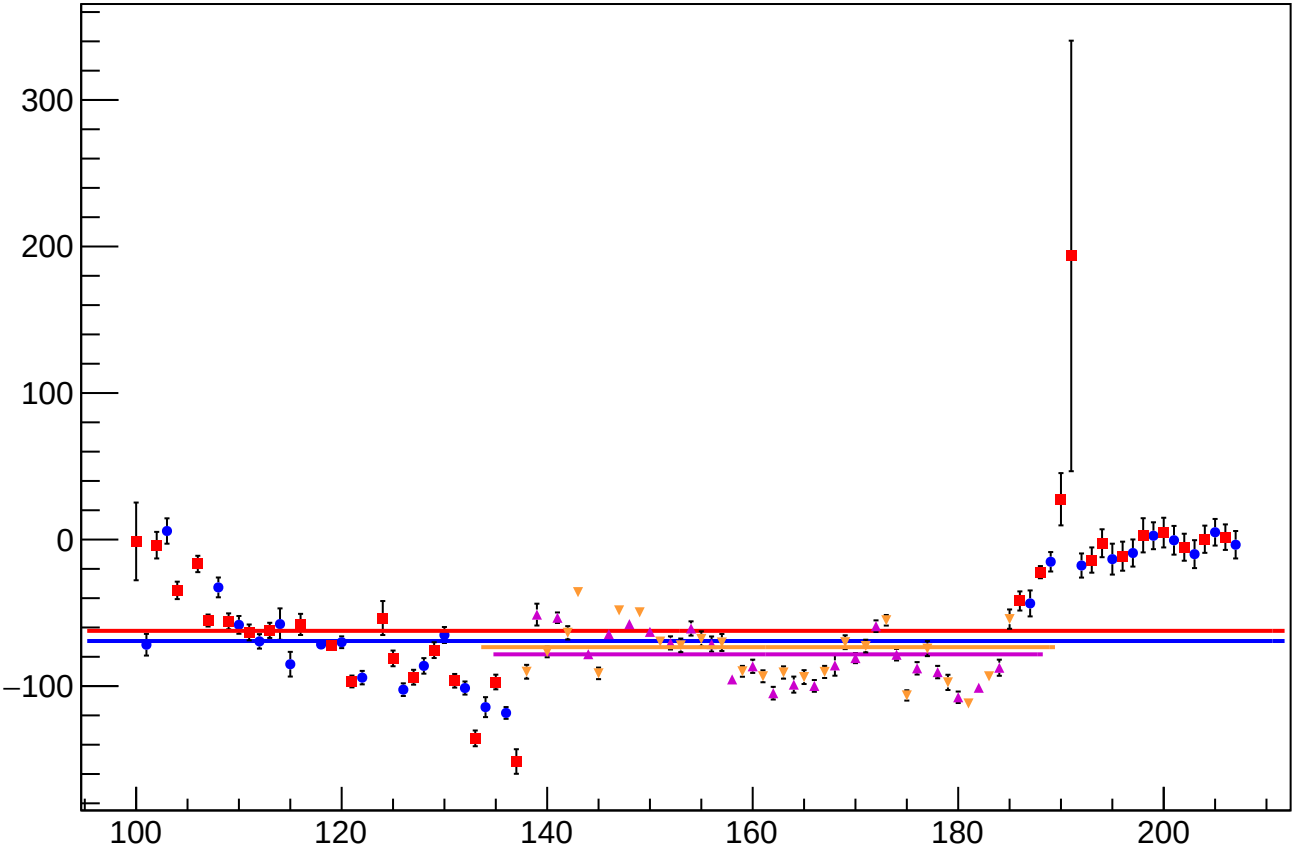
In: 2.474+/-0.580 χ^2/NDF:1192.8/48

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 0.918+/-0.395 χ^2/NDF: 2587.4/104


reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
100
120
140
160
180
200
Right In: -231.760+/-0.969 χ²/NDF: 2671.4/25
Left Out: -206.617+/-0.895 χ²/NDF:2467.8/24
Right Out: -233.542+/-0.833 χ²/NDF: 6659.3/30
Left In: -215.938+/-0.946 χ²/NDF:1711.9/22
Left: -211.017+/-0.650 χ²/NDF: 4230.9/47
Right: -232.784+/-0.632 χ²/NDF: 9332.7/56
In: -223.659+/-0.677 χ²/NDF:4519.8/48
Out: -221.039+/-0.610 χ²/NDF:9612.2/55
All: -222.212+/-0.453 χ²/NDF: 14140.2/104

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -69.230+/-1.169 χ^2/NDF: 906.0/25

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

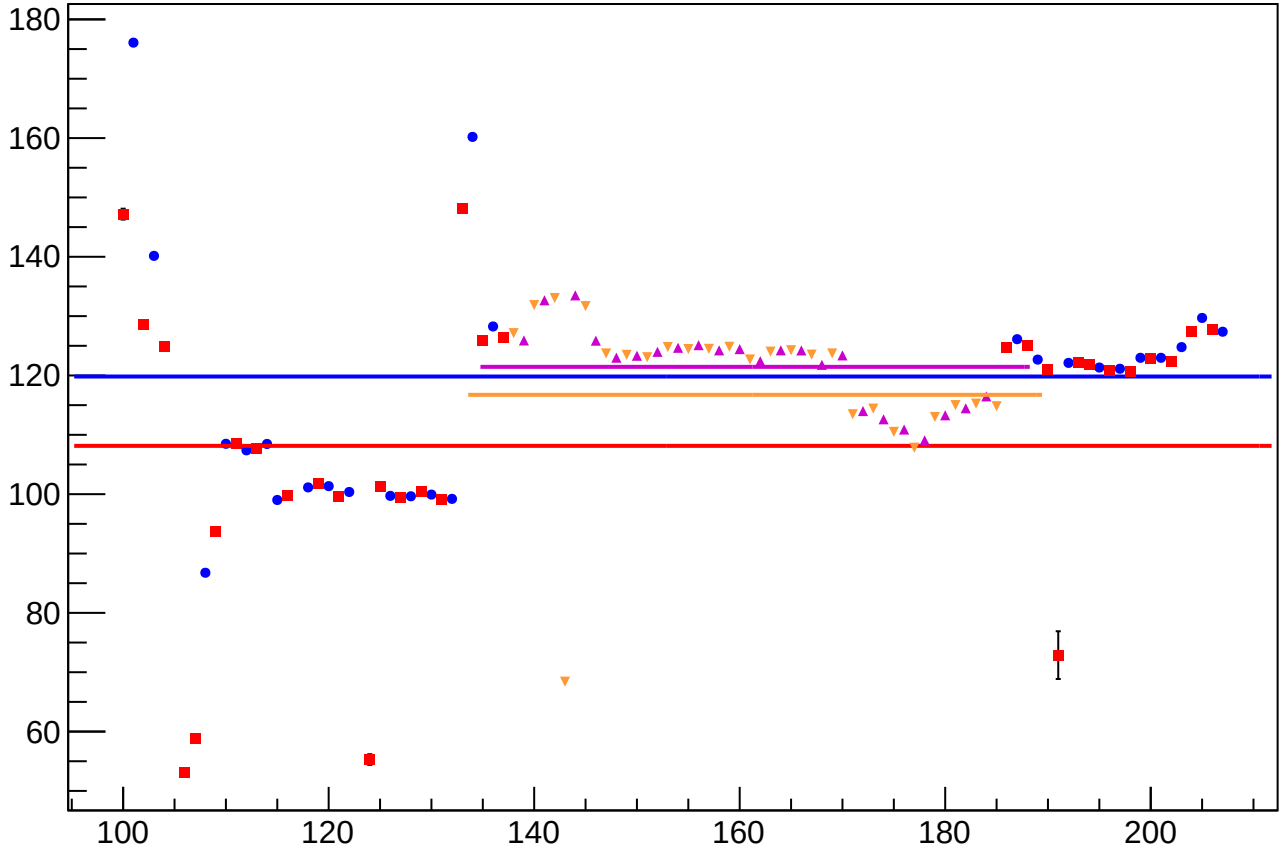
Right: -65.541+/-0.799 χ^2/NDF: 2046.6/56

In: -75.342+/-0.670 χ^2/NDF:1389.9/48

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.375+/-0.458 χ^2/NDF: 3454.5/104

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.826+/-0.062 χ^2/NDF: 97943.9/25

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

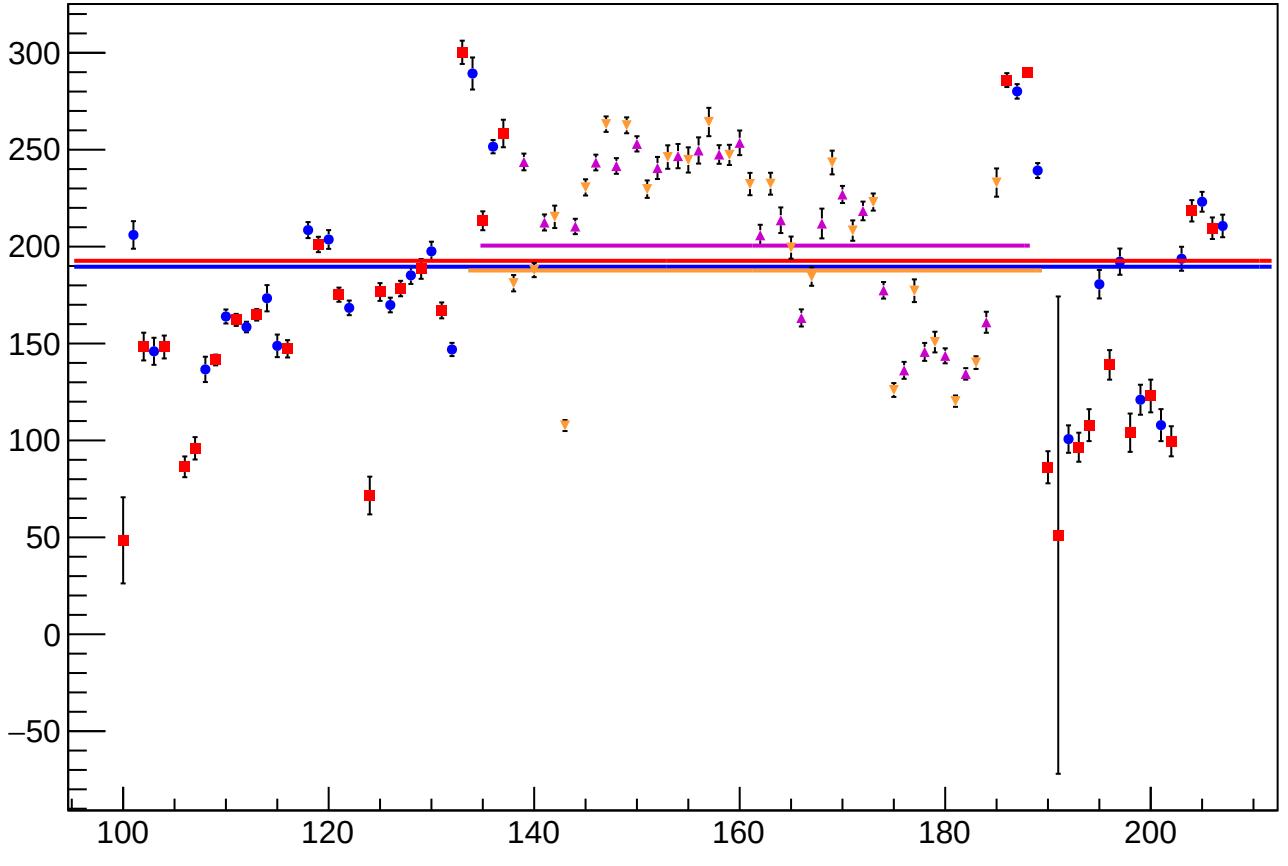
Right: 113.410+/-0.042 χ^2/NDF: 325224.0/56

In: 121.023+/-0.032 χ^2/NDF:127247.6/48

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.450+/-0.022 χ^2/NDF: 579025.3/104

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.627+/-0.926 χ^2/NDF: 2202.5/25

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

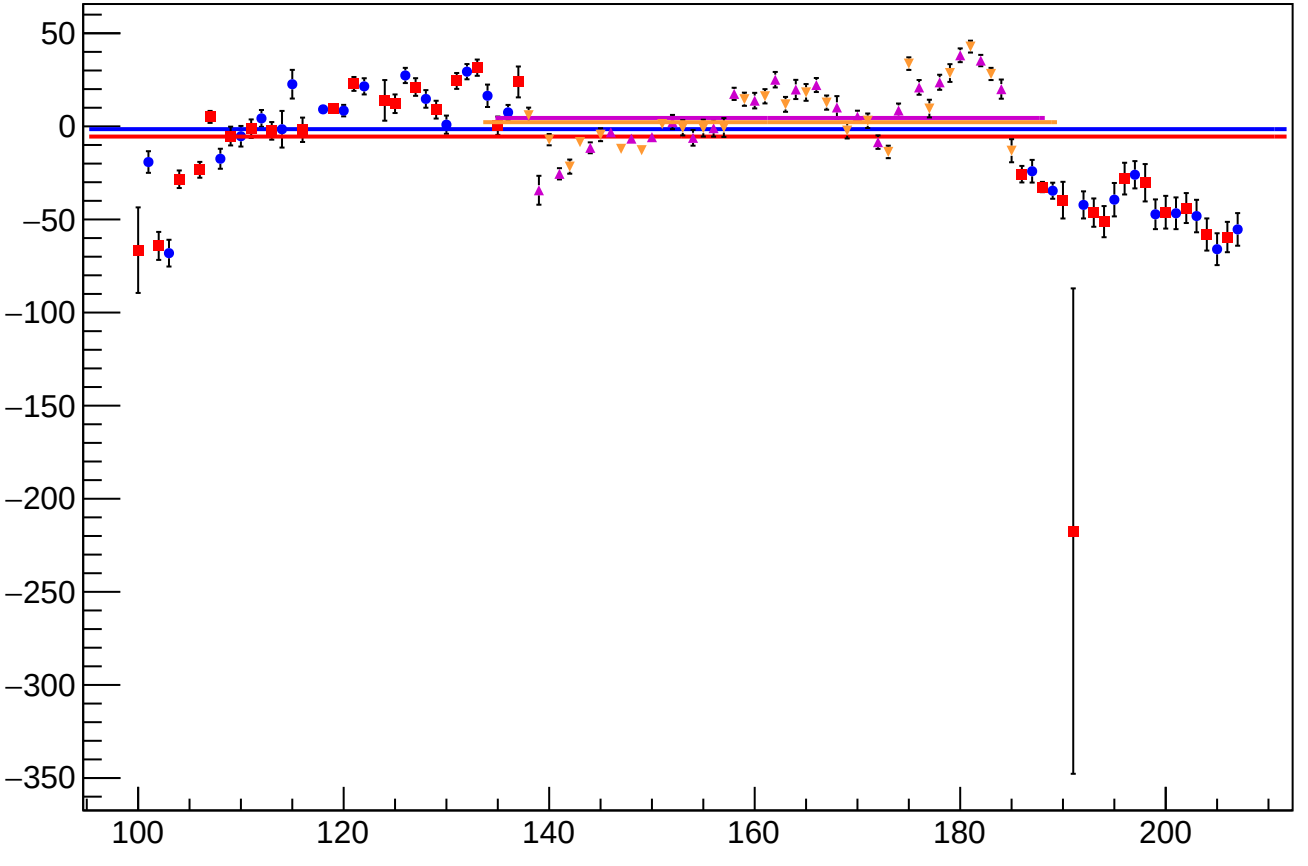
Right: 191.329+/-0.617 χ^2/NDF: 8213.3/56

In: 194.906+/-0.665 χ^2/NDF:4381.0/48

Out: 190.389+/-0.608 χ^2/NDF:9549.8/55

All: 192.446+/-0.449 χ^2/NDF: 13956.0/104

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.495+/-0.997 χ^2/NDF: 621.7/25

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

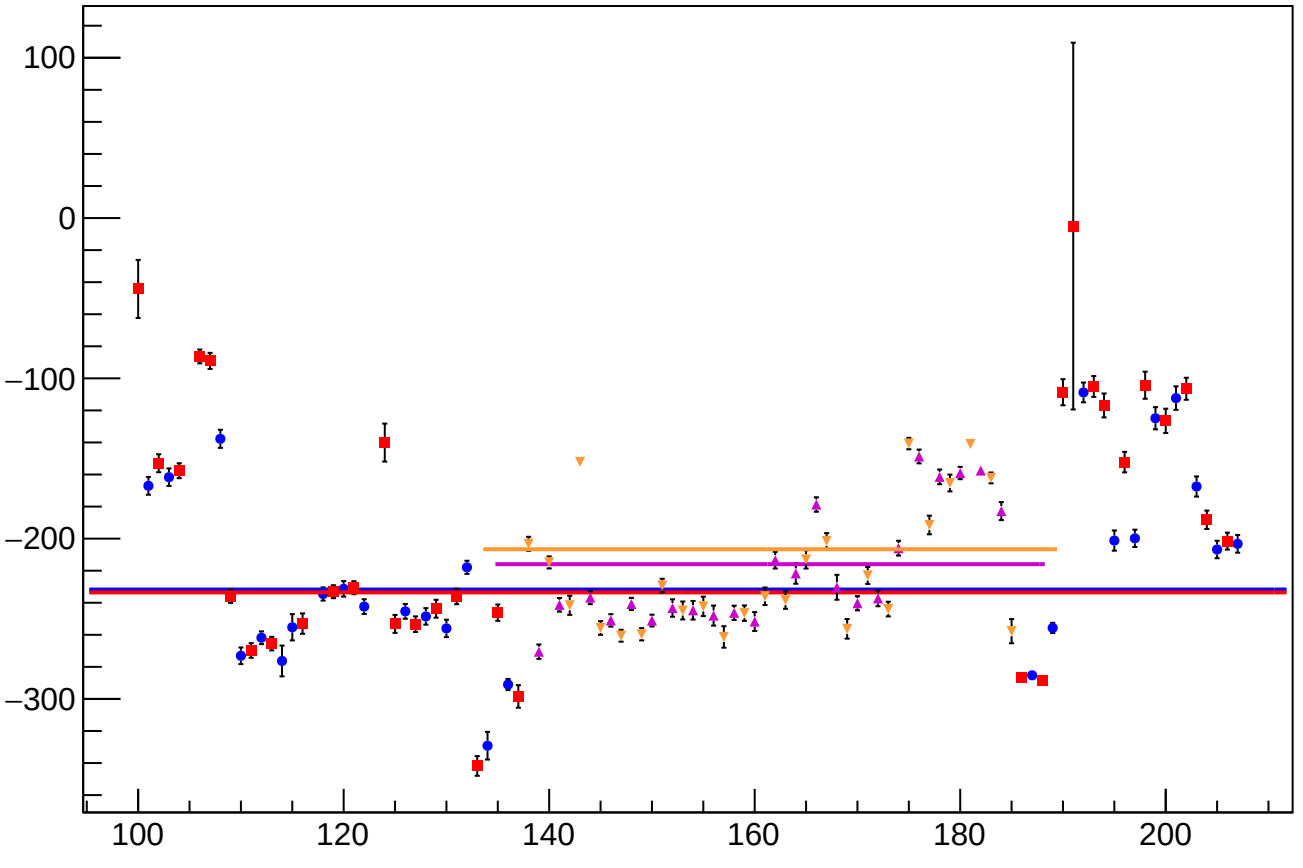
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -3.655+/-0.674 χ^2/NDF: 1364.1/56

In: 2.474+/-0.580 χ^2/NDF:1192.8/48

Out: -0.418+/-0.538 χ^2/NDF:1381.3/55

All: 0.918+/-0.395 χ^2/NDF: 2587.4/104



Right In: -231.760+/-0.969 χ^2/NDF: 2671.4/25

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

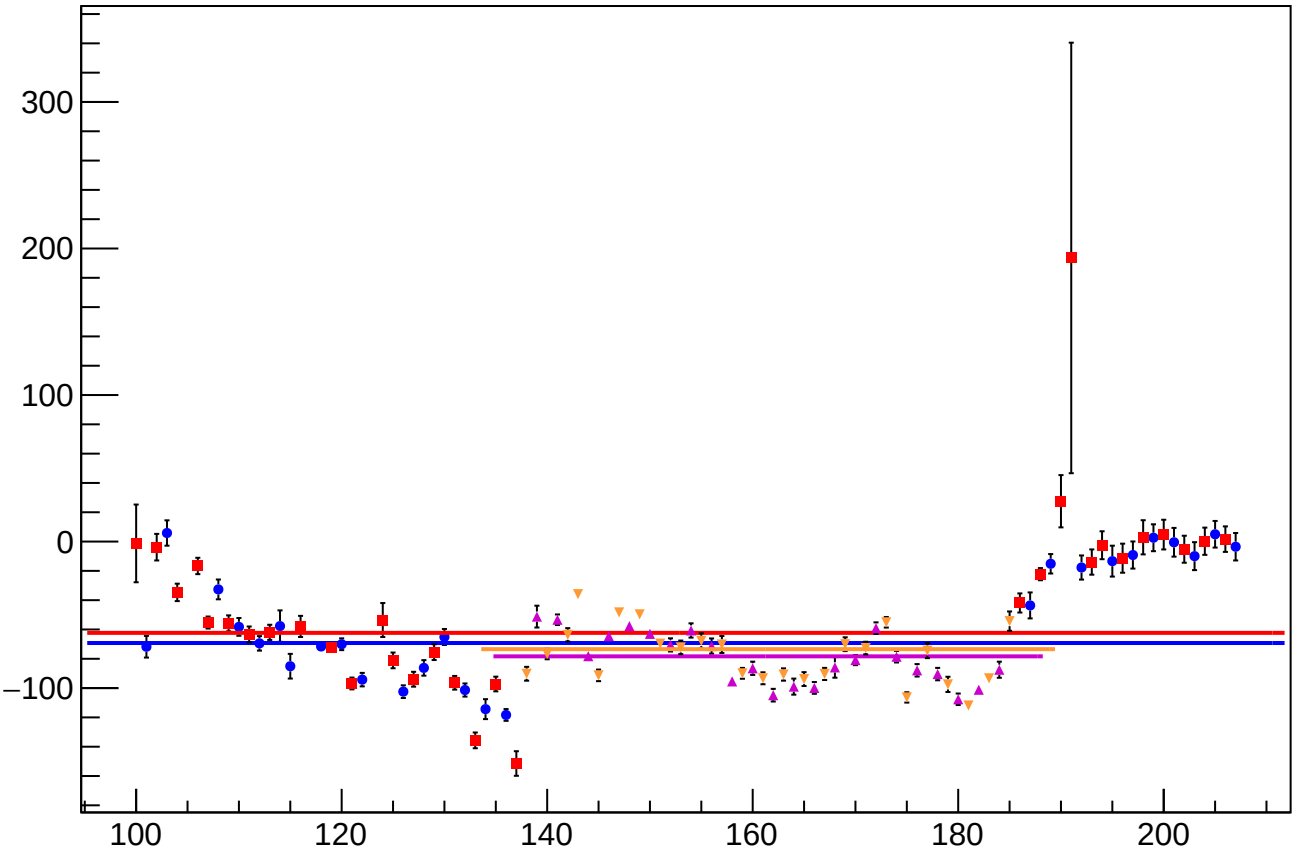
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -232.784+/-0.632 χ^2/NDF: 9332.7/56

In: -223.659+/-0.677 χ^2/NDF:4519.8/48

Out: -221.039+/-0.610 χ^2/NDF:9612.2/55

All: -222.212+/-0.453 χ^2/NDF: 14140.2/104



Right In: -69.230+/-1.169 χ^2/NDF: 906.0/25

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

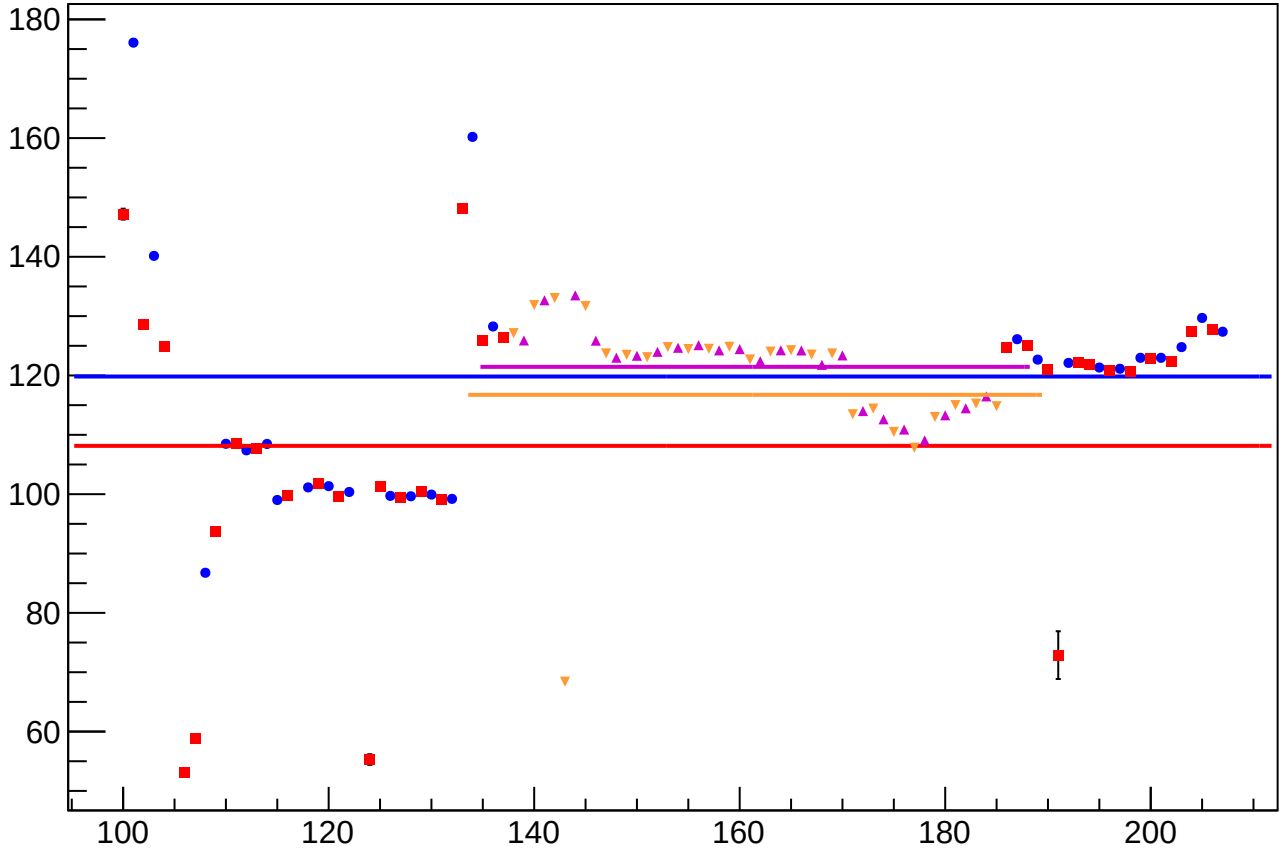
Right: -65.541+/-0.799 χ^2/NDF: 2046.6/56

In: -75.342+/-0.670 χ^2/NDF:1389.9/48

Out: -69.766+/-0.628 χ^2/NDF:2027.8/55

All: -72.375+/-0.458 χ^2/NDF: 3454.5/104

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.826+/-0.062 χ^2/NDF: 97943.9/25

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

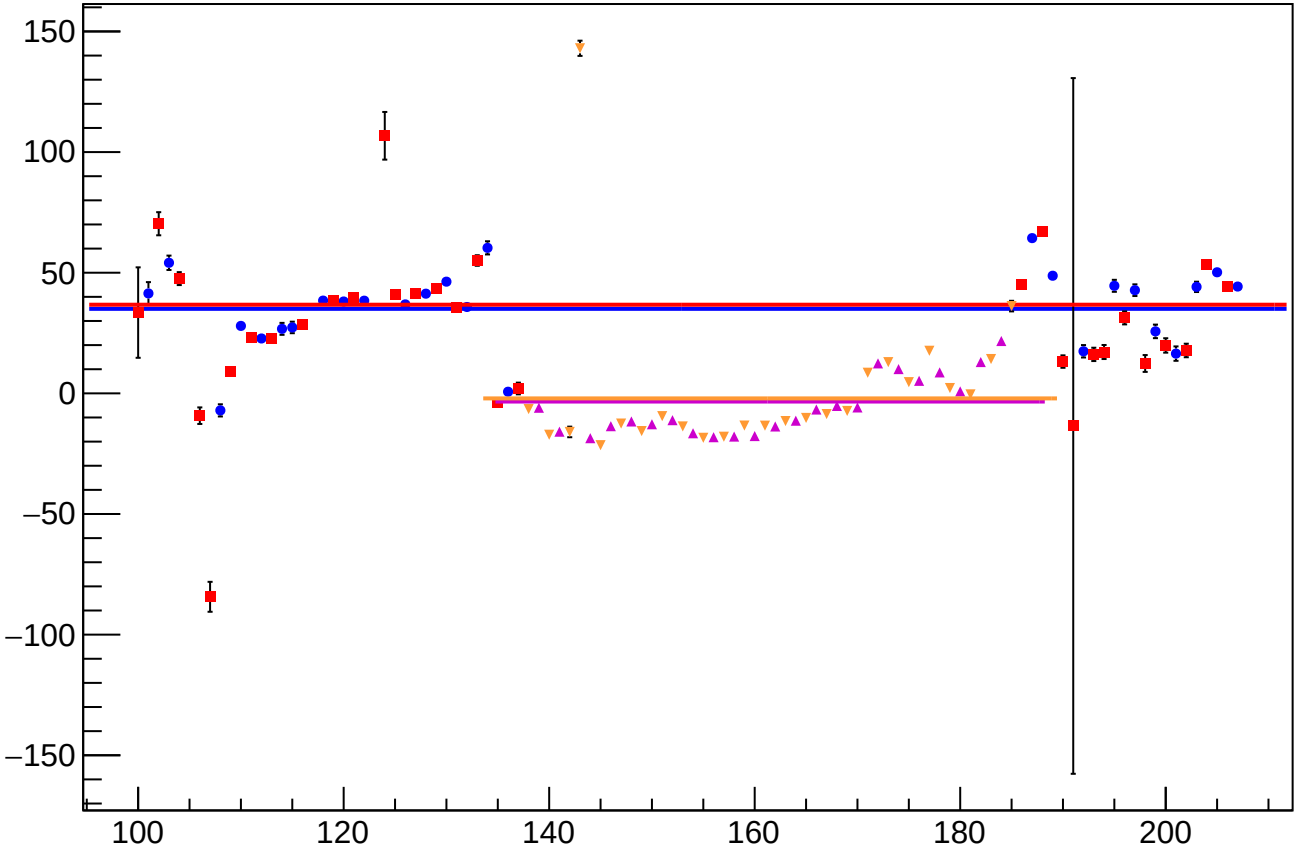
Right: 113.410+/-0.042 χ^2/NDF: 325224.0/56

In: 121.023+/-0.032 χ^2/NDF:127247.6/48

Out: 114.257+/-0.030 χ^2/NDF:428090.2/55

All: 117.450+/-0.022 χ^2/NDF: 579025.3/104

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 35.032+/-0.347 χ^2/NDF: 2401.3/25

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

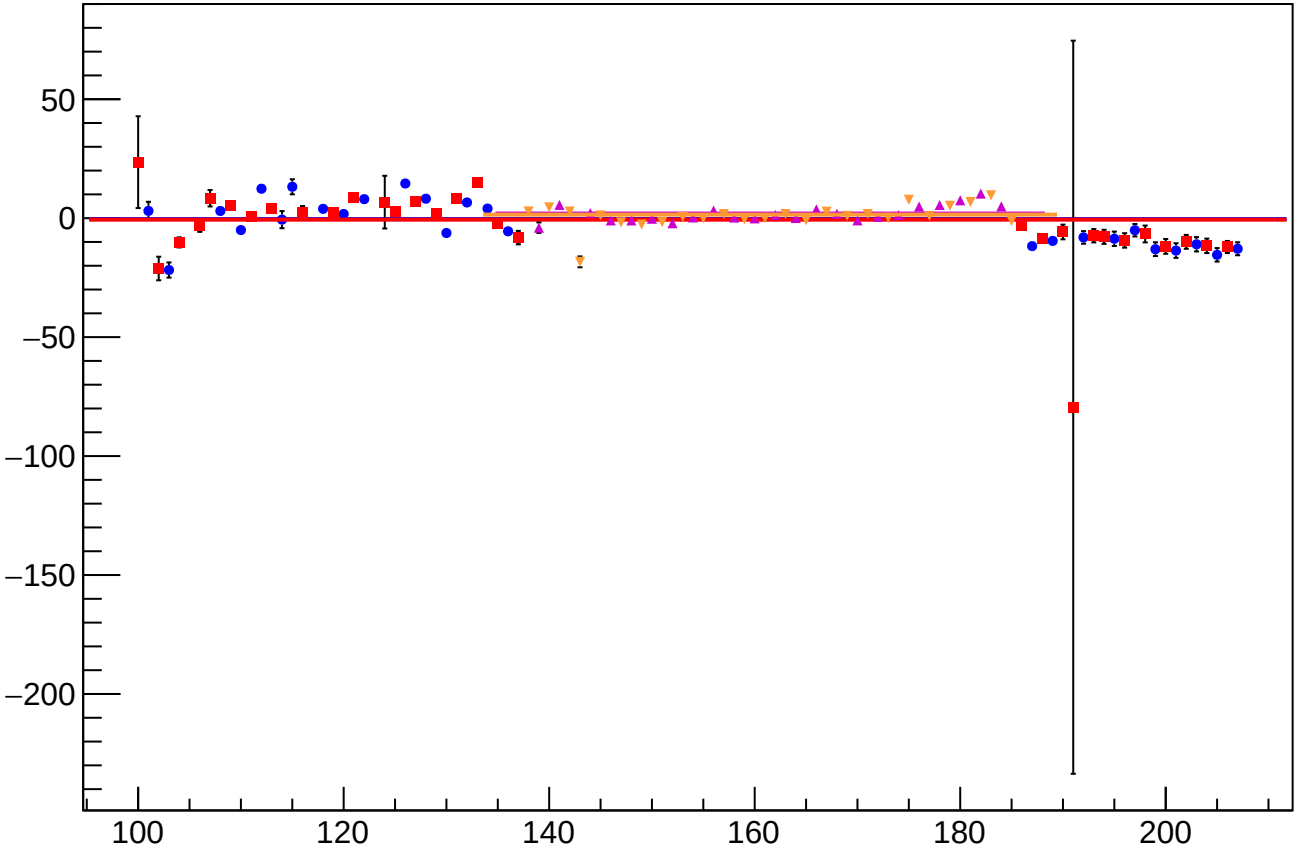
Right: 35.990+/-0.230 χ^2/NDF: 7125.4/56

In: 11.171+/-0.214 χ^2/NDF:11756.6/48

Out: 14.593+/-0.201 χ^2/NDF:18015.2/55

All: 12.983+/-0.147 χ^2/NDF: 29907.5/104

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.394+/-0.384 χ^2/NDF: 489.8/25

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

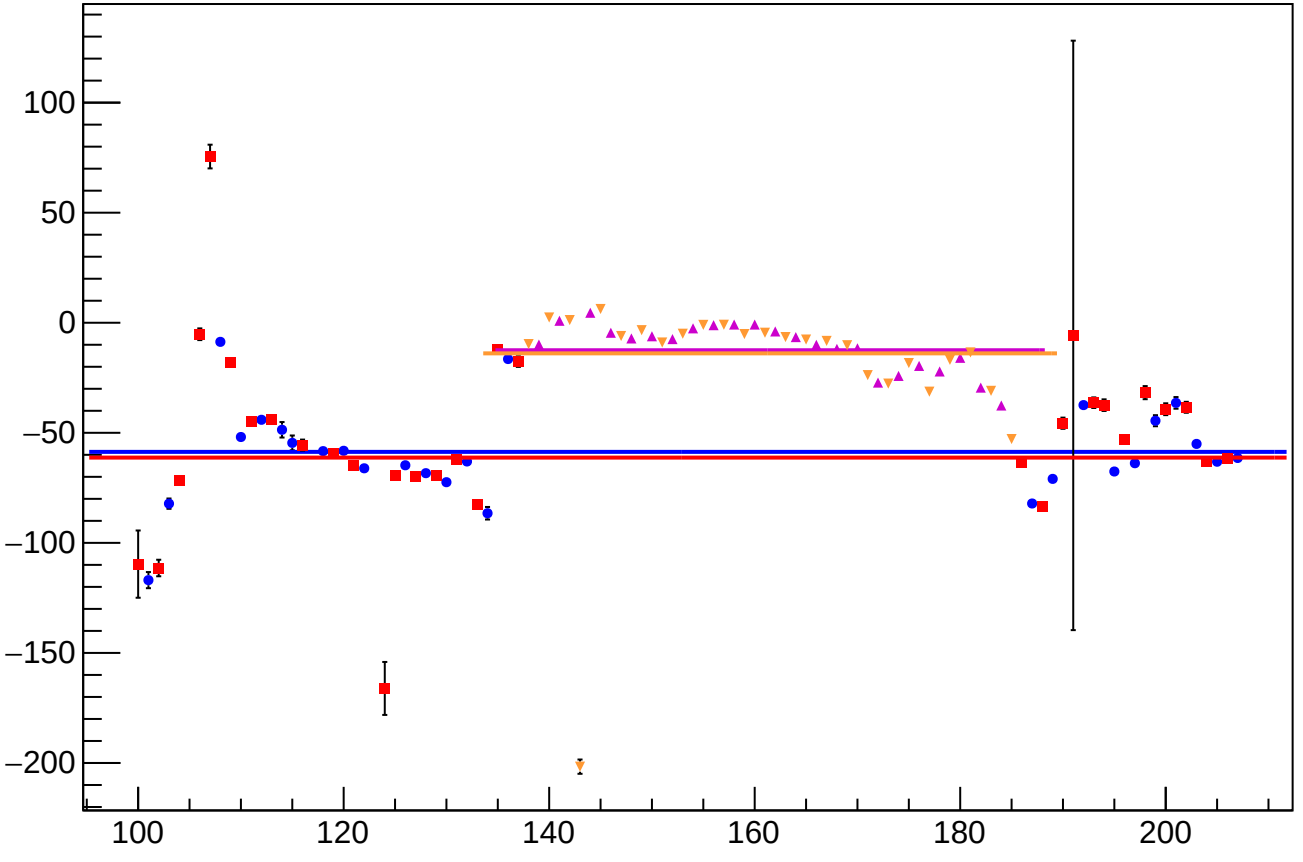
Right: -0.512+/-0.262 χ^2/NDF: 899.4/56

In: 1.397+/-0.185 χ^2/NDF:758.7/48

Out: 0.970+/-0.178 χ^2/NDF:764.0/55

All: 1.175+/-0.128 χ^2/NDF: 1525.5/104

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.660+/-0.360 χ^2/NDF: 3336.3/25

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

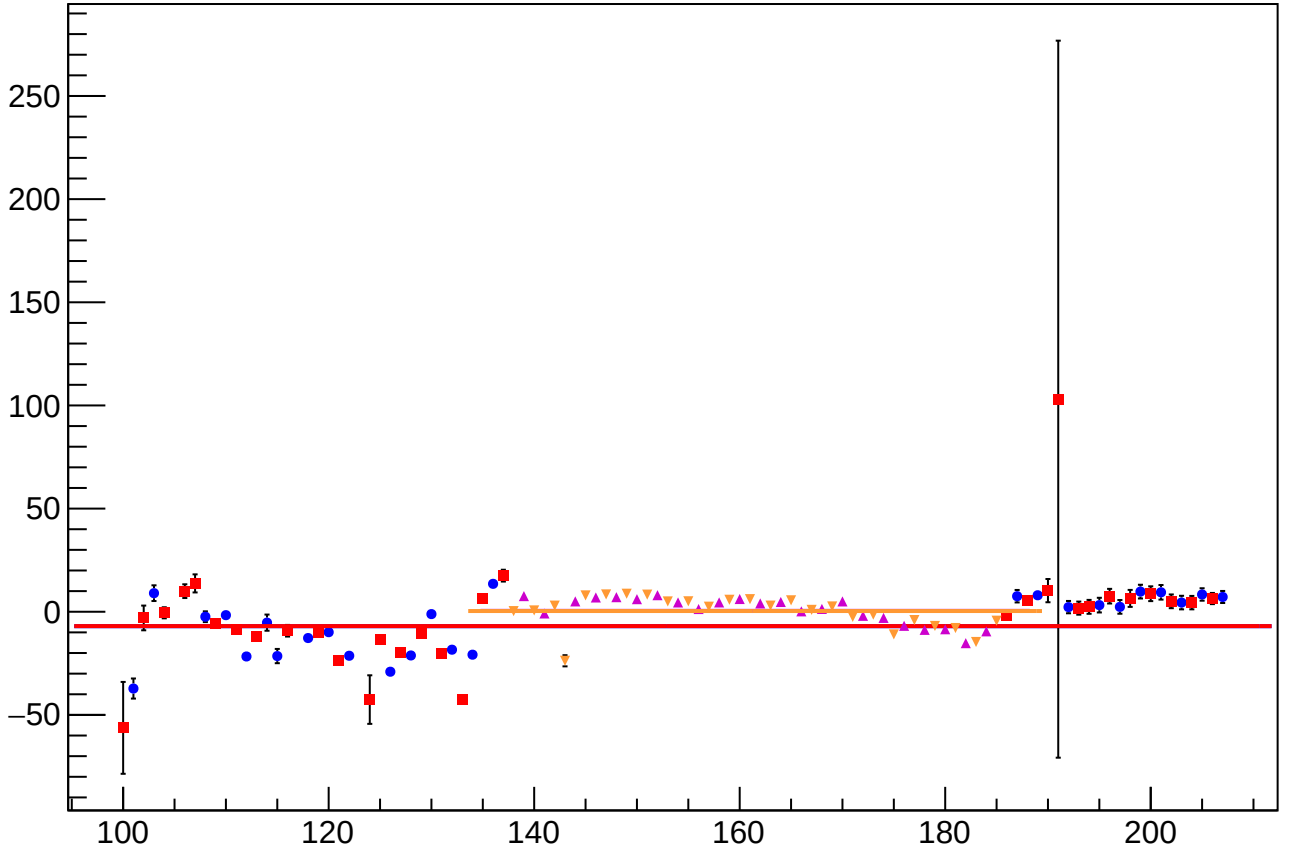
Right: -60.183+/-0.232 χ^2/NDF: 8831.0/56

In: -29.029+/-0.215 χ^2/NDF:15339.7/48

Out: -34.428+/-0.199 χ^2/NDF:24460.2/55

All: -31.937+/-0.146 χ^2/NDF: 40138.6/104

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.018+/-0.448 χ^2/NDF: 918.3/25

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

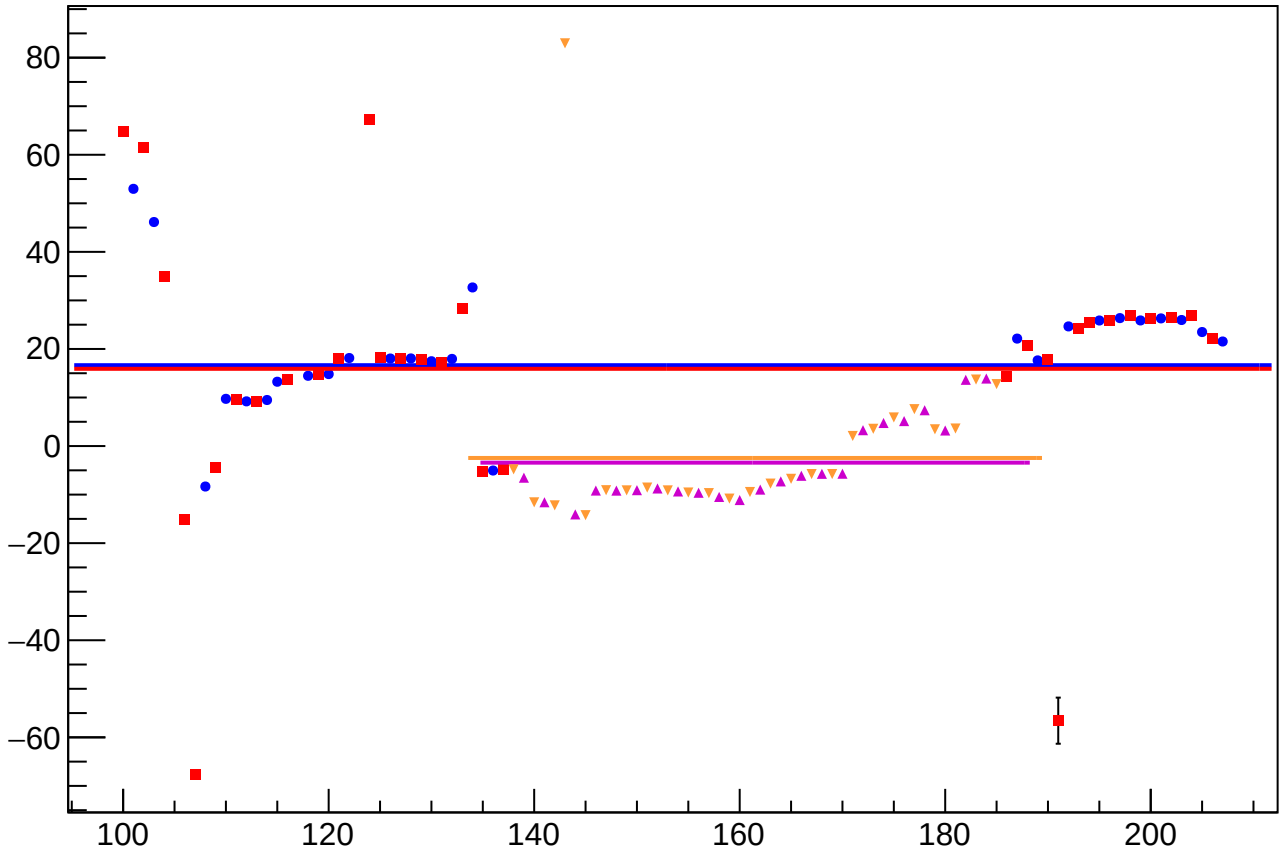
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -6.987+/-0.311 χ^2/NDF: 1857.4/56

In: -1.192+/-0.209 χ^2/NDF:1916.6/48

Out: -1.288+/-0.204 χ^2/NDF:2083.9/55

All: -1.241+/-0.146 χ^2/NDF: 4000.6/104



Right In: 16.656+/-0.023 χ^2/NDF: 432760.8/25

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

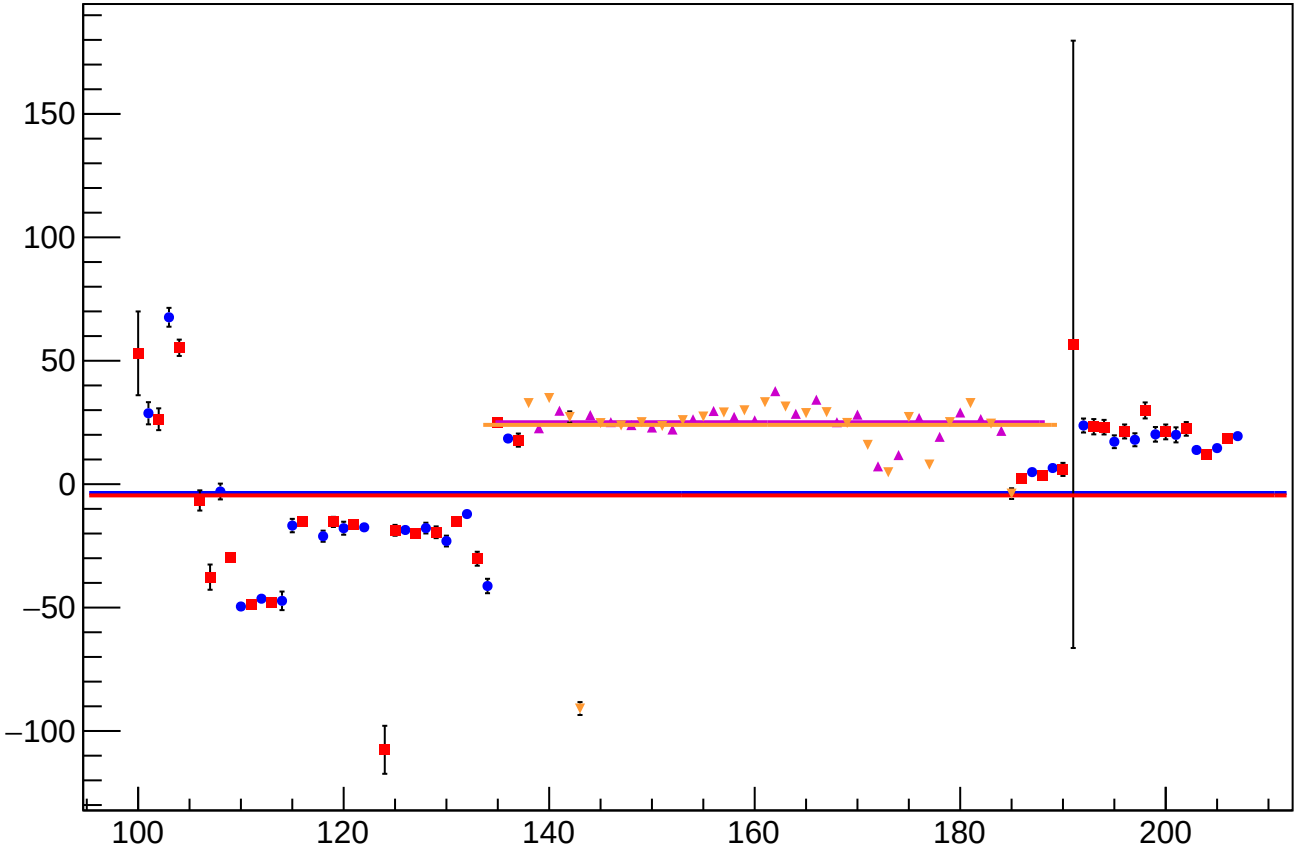
Right: 16.277+/-0.016 χ^2/NDF: 990655.7/56

In: 0.054+/-0.009 χ^2/NDF:1618977.9/48

Out: 0.771+/-0.009 χ^2/NDF:2071374.0/55

All: 0.416+/-0.007 χ^2/NDF: 3693230.9/104

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.572+/-0.419 χ^2/NDF: 3423.9/25

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

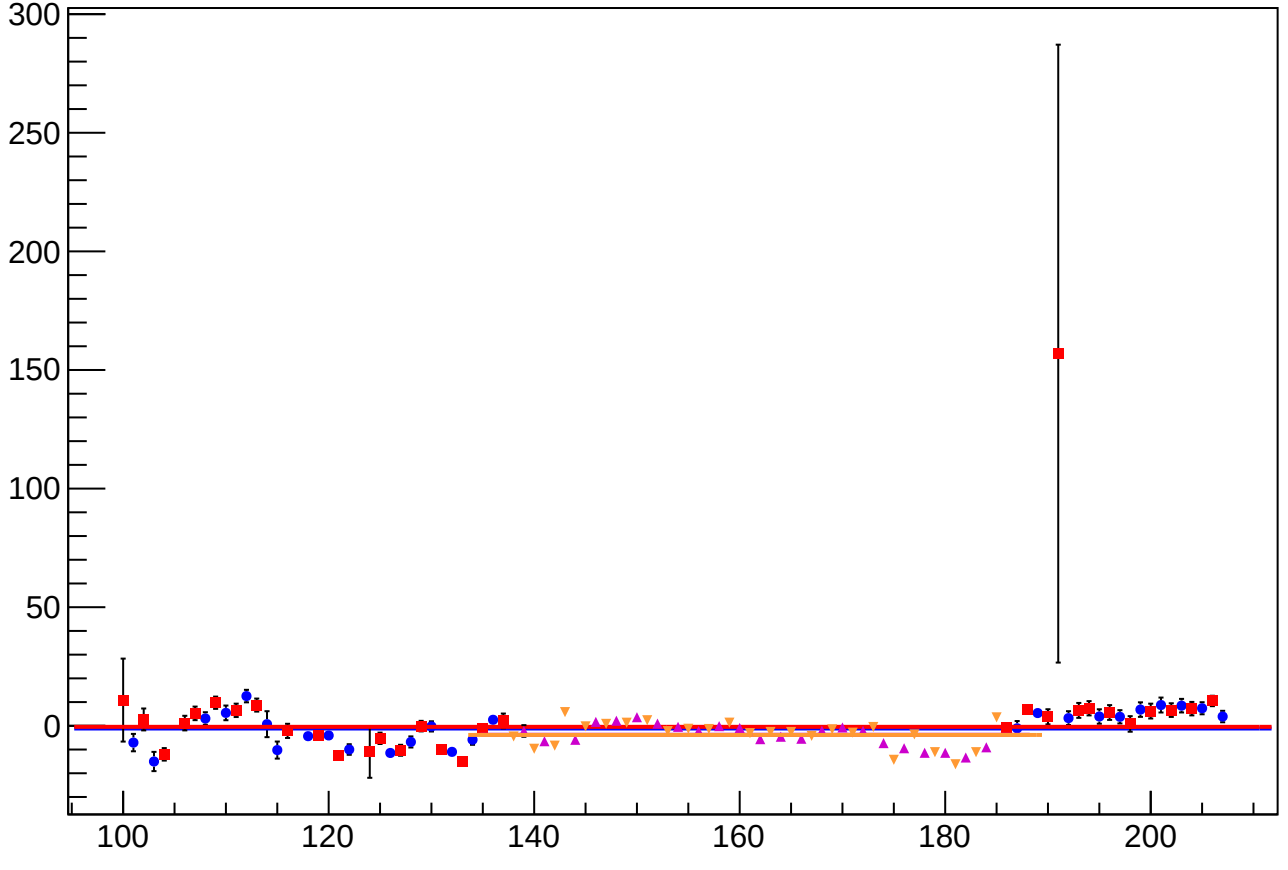
Right: -4.100+/-0.284 χ^2/NDF: 7139.4/56

In: 15.933+/-0.237 χ^2/NDF:7100.2/48

Out: 14.119+/-0.228 χ^2/NDF:10073.9/55

All: 14.991+/-0.164 χ^2/NDF: 17204.6/104

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.134+/-0.465 χ^2/NDF: 206.4/25

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

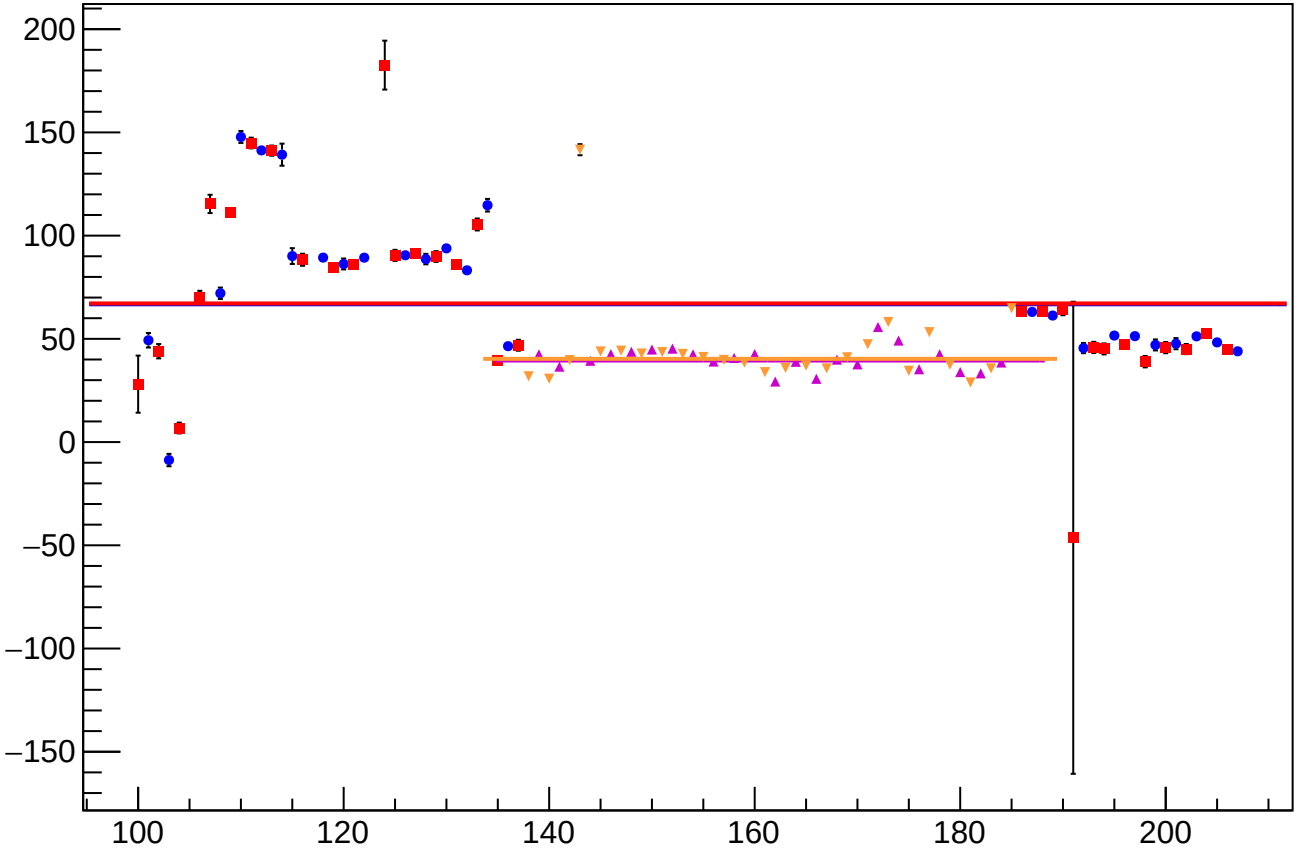
Right: -0.766+/-0.321 χ^2/NDF: 490.0/56

In: -3.284+/-0.202 χ^2/NDF:742.5/48

Out: -3.183+/-0.196 χ^2/NDF:979.4/55

All: -3.232+/-0.140 χ^2/NDF: 1722.0/104

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 66.737+/-0.430 χ^2/NDF: 4499.3/25

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

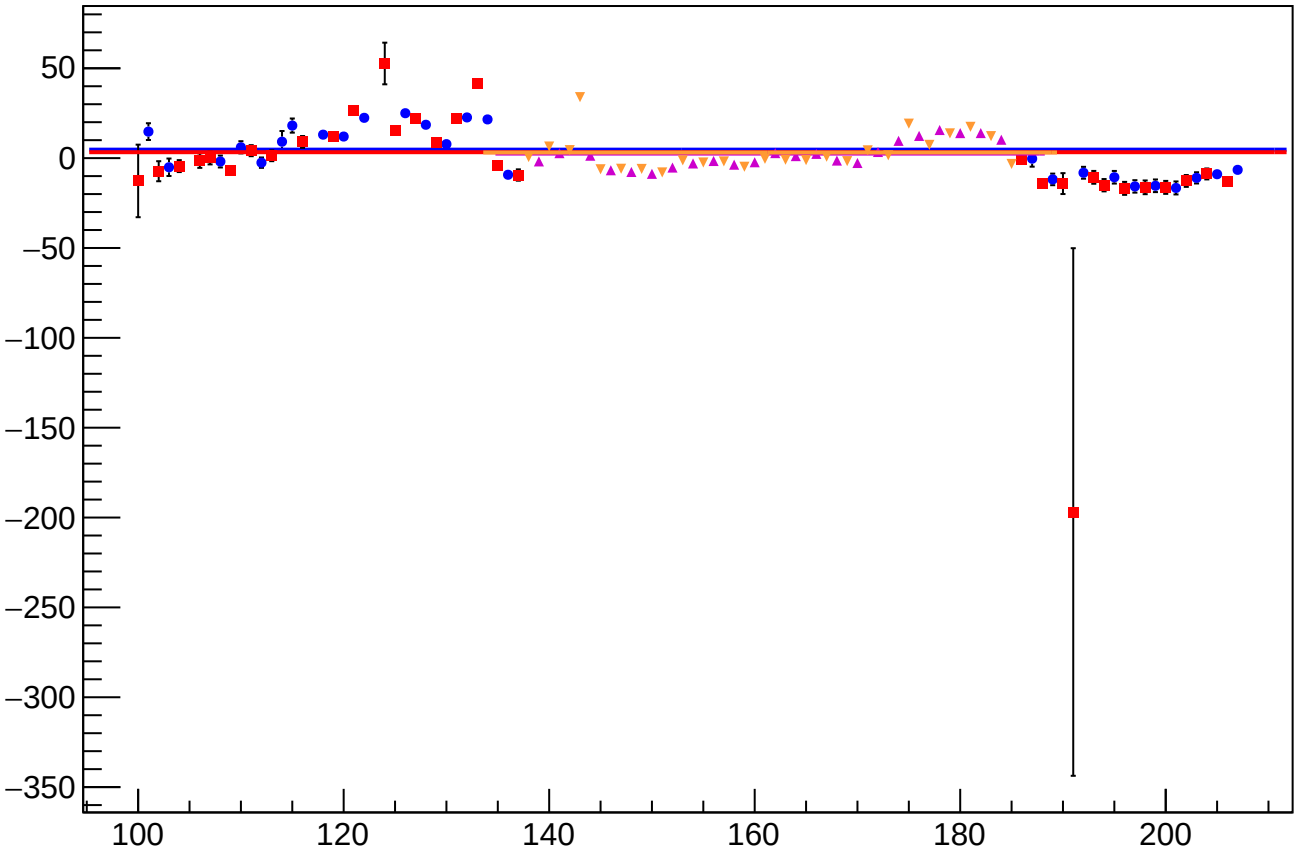
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 66.967+/-0.286 χ^2/NDF: 9248.6/56

In: 47.804+/-0.237 χ^2/NDF:7719.6/48

Out: 49.655+/-0.226 χ^2/NDF:10125.1/55

All: 48.774+/-0.164 χ^2/NDF: 17876.5/104



Right In: 4.719+/-0.535 χ^2/NDF: 674.9/25

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

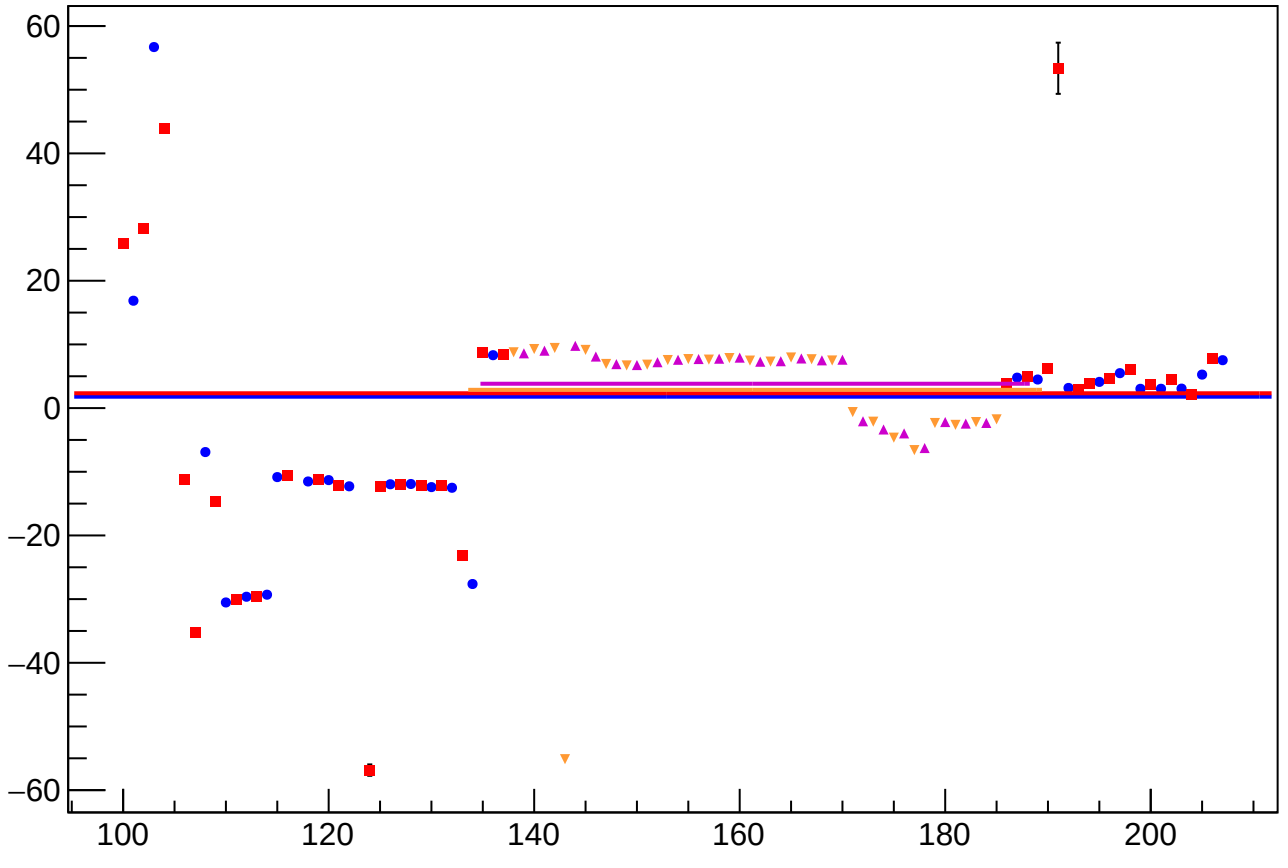
Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

Right: 3.997+/-0.375 χ^2/NDF: 1570.6/56

In: 2.916+/-0.227 χ^2/NDF:1657.0/48

Out: 3.171+/-0.222 χ^2/NDF:2159.2/55

All: 3.046+/-0.159 χ^2/NDF: 3816.8/104



Right In: 1.789+/-0.025 χ^2/NDF: 379880.1/25

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

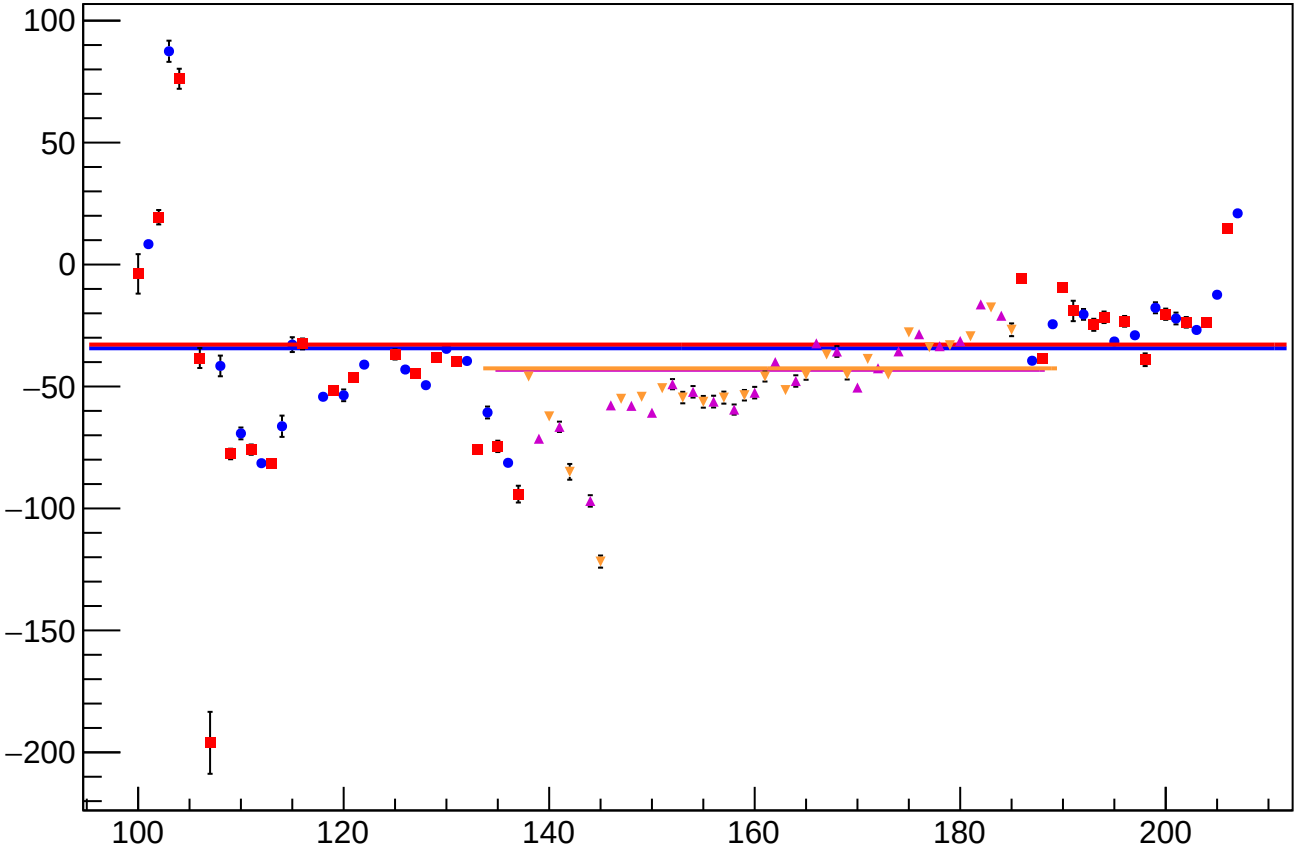
Right: 2.064+/-0.018 χ^2/NDF: 710301.6/56

In: 3.501+/-0.010 χ^2/NDF:618467.4/48

Out: 2.783+/-0.010 χ^2/NDF:842913.6/55

All: 3.138+/-0.007 χ^2/NDF: 1463893.9/104

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -34.331+/-0.384 χ^2/NDF: 4937.5/25

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

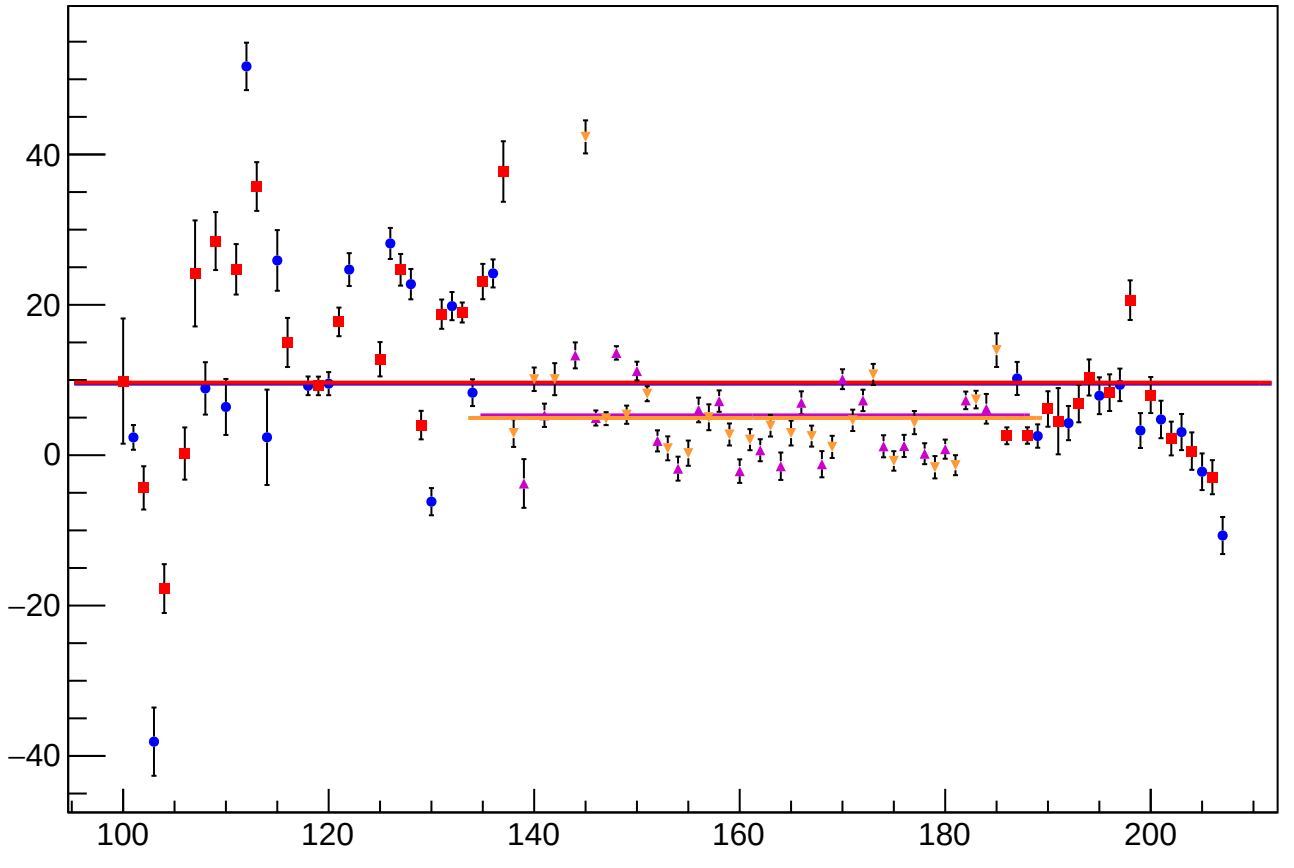
Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

Right: -33.484+/-0.257 χ^2/NDF: 11176.8/55

In: -38.773+/-0.271 χ^2/NDF:7409.5/48

Out: -37.226+/-0.255 χ^2/NDF:8920.6/53

All: -37.953+/-0.186 χ^2/NDF: 16347.4/102



Right In: 9.523+/-0.417 χ^2/NDF: 801.2/25

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

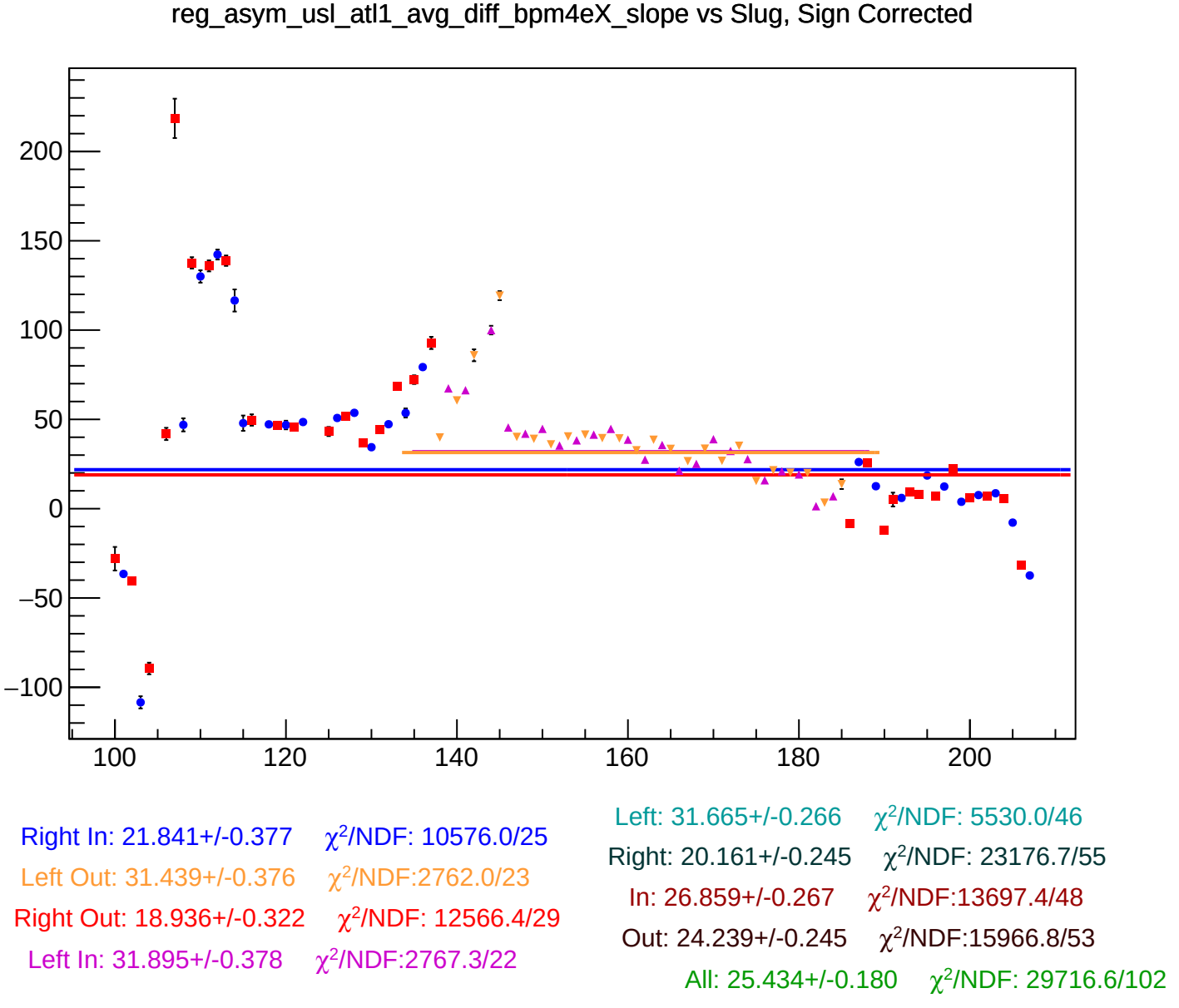
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

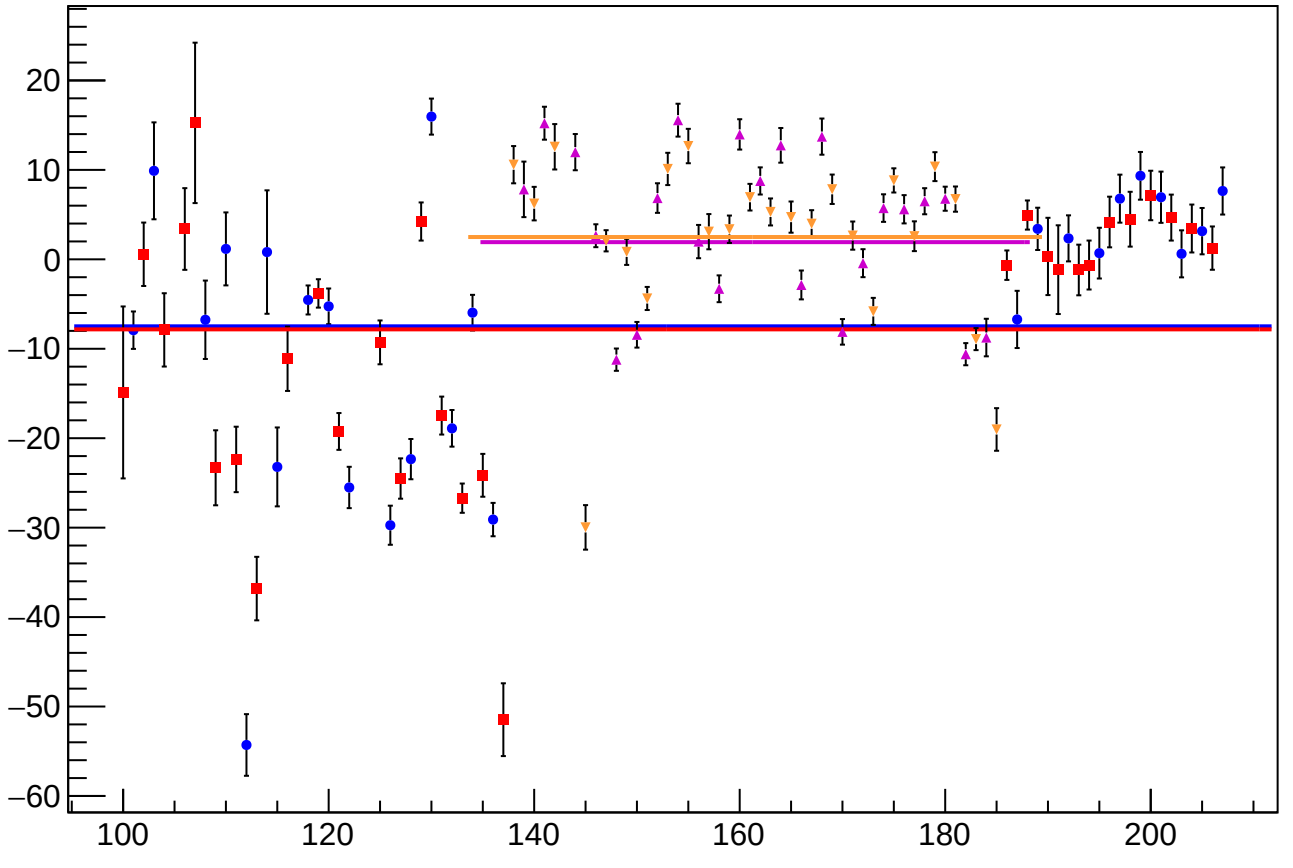
Right: 9.592+/-0.284 χ^2/NDF: 1410.1/55

In: 6.701+/-0.240 χ^2/NDF:1156.5/48

Out: 6.621+/-0.232 χ^2/NDF:1152.0/53

All: 6.659+/-0.167 χ^2/NDF: 2308.5/102


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: 21.841+/-0.377 χ²/NDF: 10576.0/25
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: 20.161+/-0.245 χ²/NDF: 23176.7/55
In: 26.859+/-0.267 χ²/NDF:13697.4/48
Out: 24.239+/-0.245 χ²/NDF:15966.8/53
All: 25.434+/-0.180 χ²/NDF: 29716.6/102



Right In: -7.491+/-0.490 χ^2/NDF: 924.1/25

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

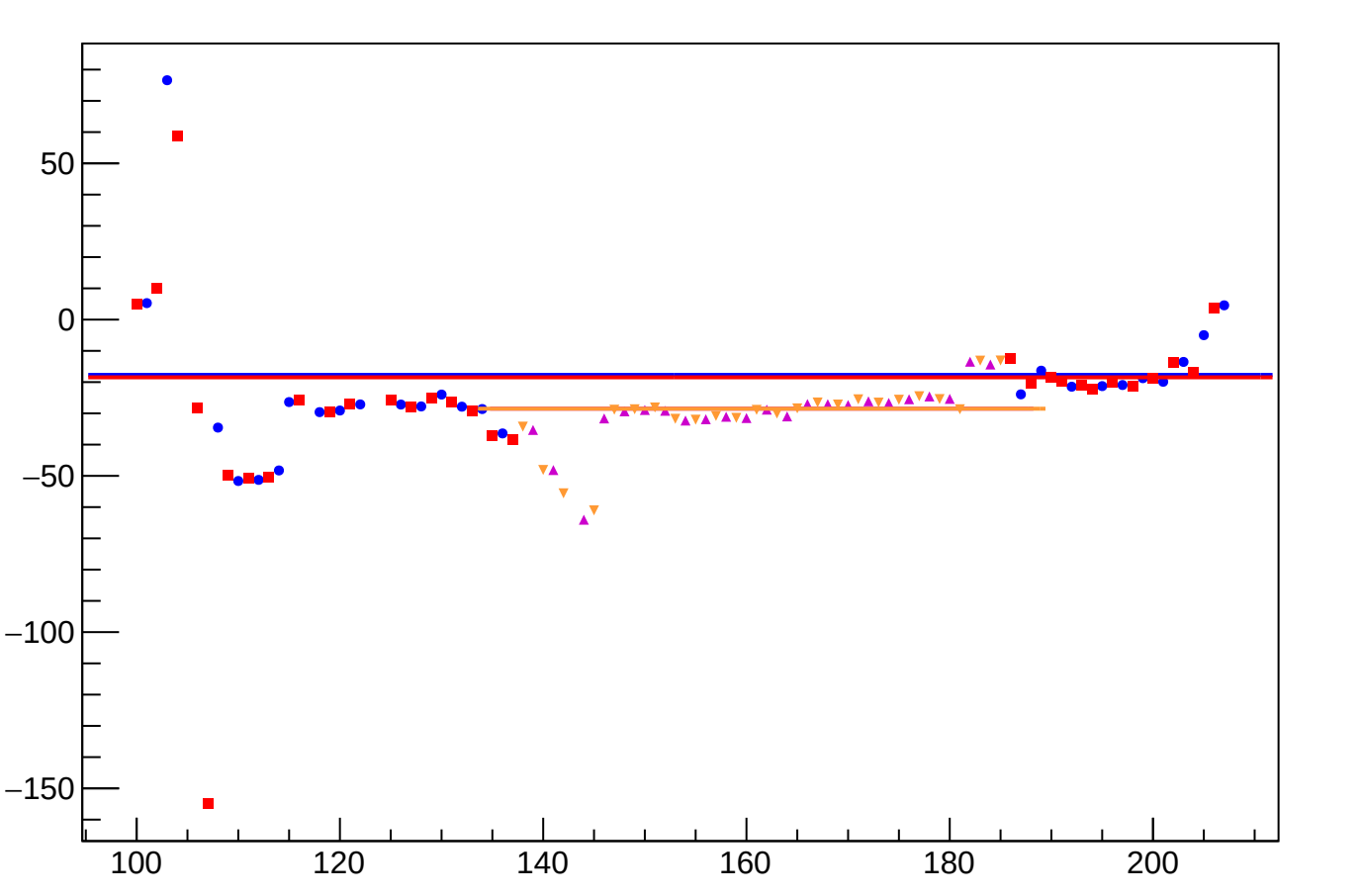
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -7.667+/-0.340 χ^2/NDF: 1696.6/55

In: -1.043+/-0.275 χ^2/NDF:1856.0/48

Out: -0.840+/-0.269 χ^2/NDF:1653.4/53

All: -0.939+/-0.192 χ^2/NDF: 3509.8/102



Right In: -17.692+/-0.023 χ^2/NDF: 720131.1/25

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

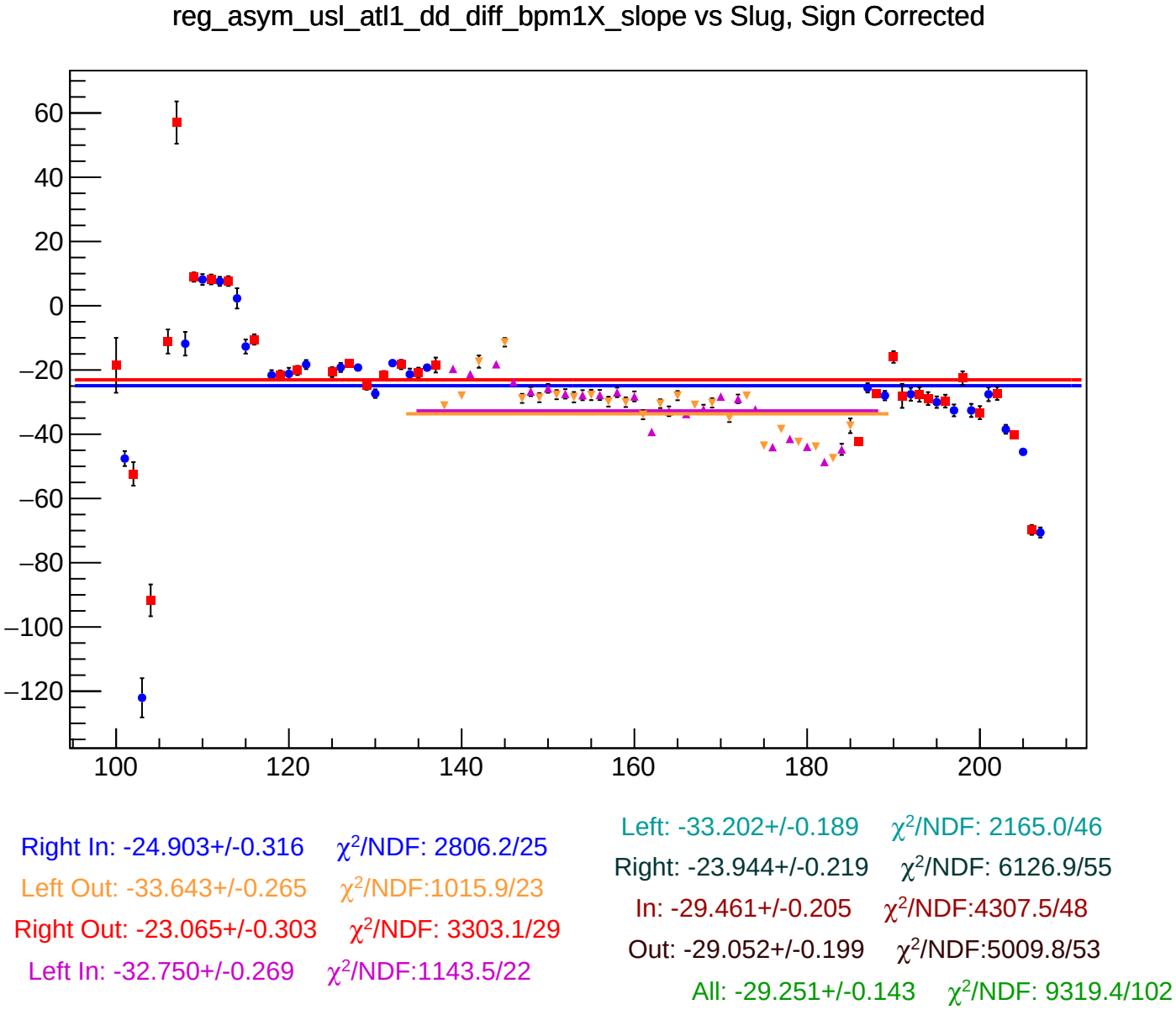
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

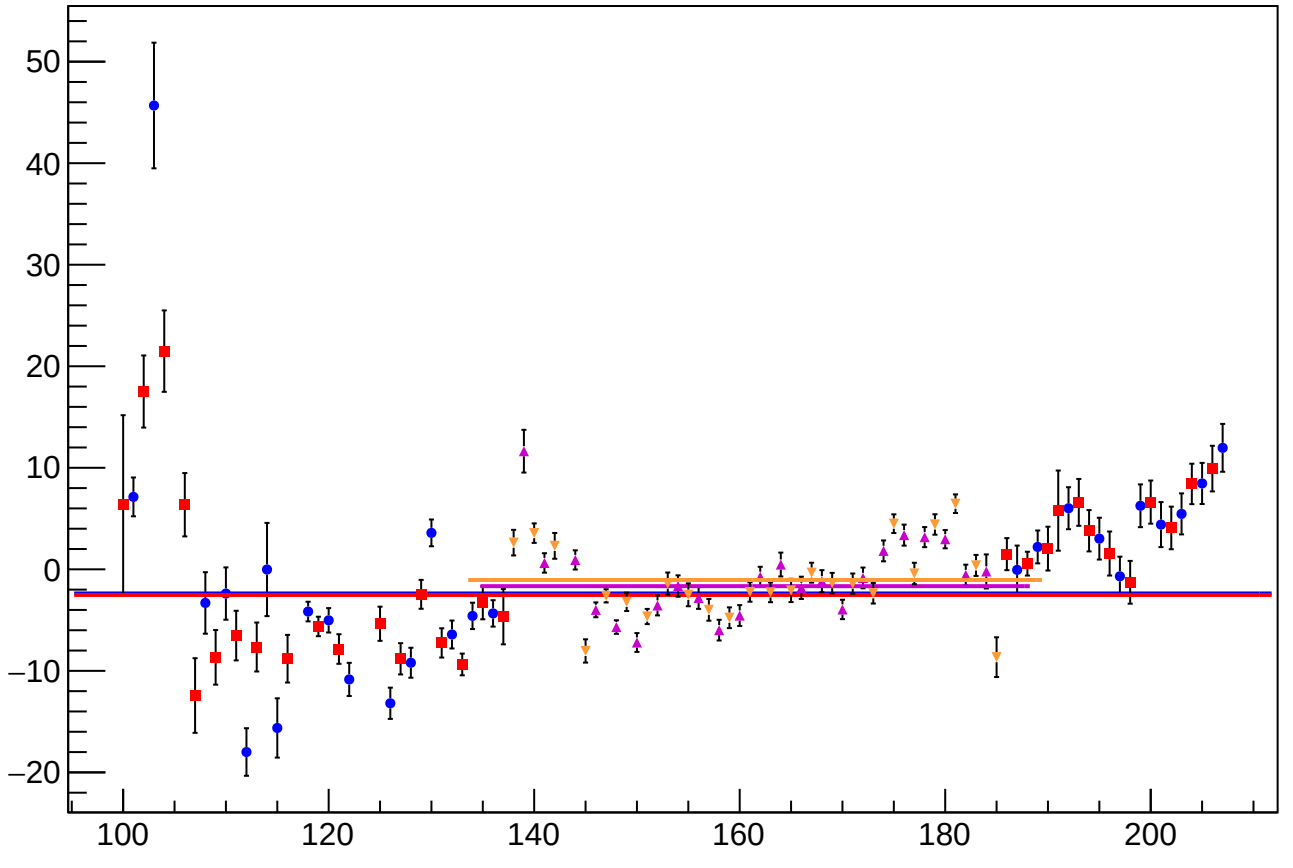
Right: -18.098+/-0.016 χ^2/NDF: 1343884.5/55

In: -25.314+/-0.012 χ^2/NDF:1164610.3/48

Out: -25.400+/-0.012 χ^2/NDF:1100273.4/53

All: -25.358+/-0.009 χ^2/NDF: 2264908.3/102


reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
−80
−100
−120
100
120
140
160
180
200
Right In: -24.903+/-0.316 χ2/NDF: 2806.2/25
Left Out: -33.643+/-0.265 χ2/NDF:1015.9/23
Right Out: -23.065+/-0.303 χ2/NDF: 3303.1/29
Left In: -32.750+/-0.269 χ2/NDF:1143.5/22
Left: -33.202+/-0.189 χ2/NDF: 2165.0/46
Right: -23.944+/-0.219 χ2/NDF: 6126.9/55
In: -29.461+/-0.205 χ2/NDF:4307.5/48
Out: -29.052+/-0.199 χ2/NDF:5009.8/53
All: -29.251+/-0.143 χ2/NDF: 9319.4/102



Right In: -2.378+/-0.341 χ^2/NDF: 430.6/25

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

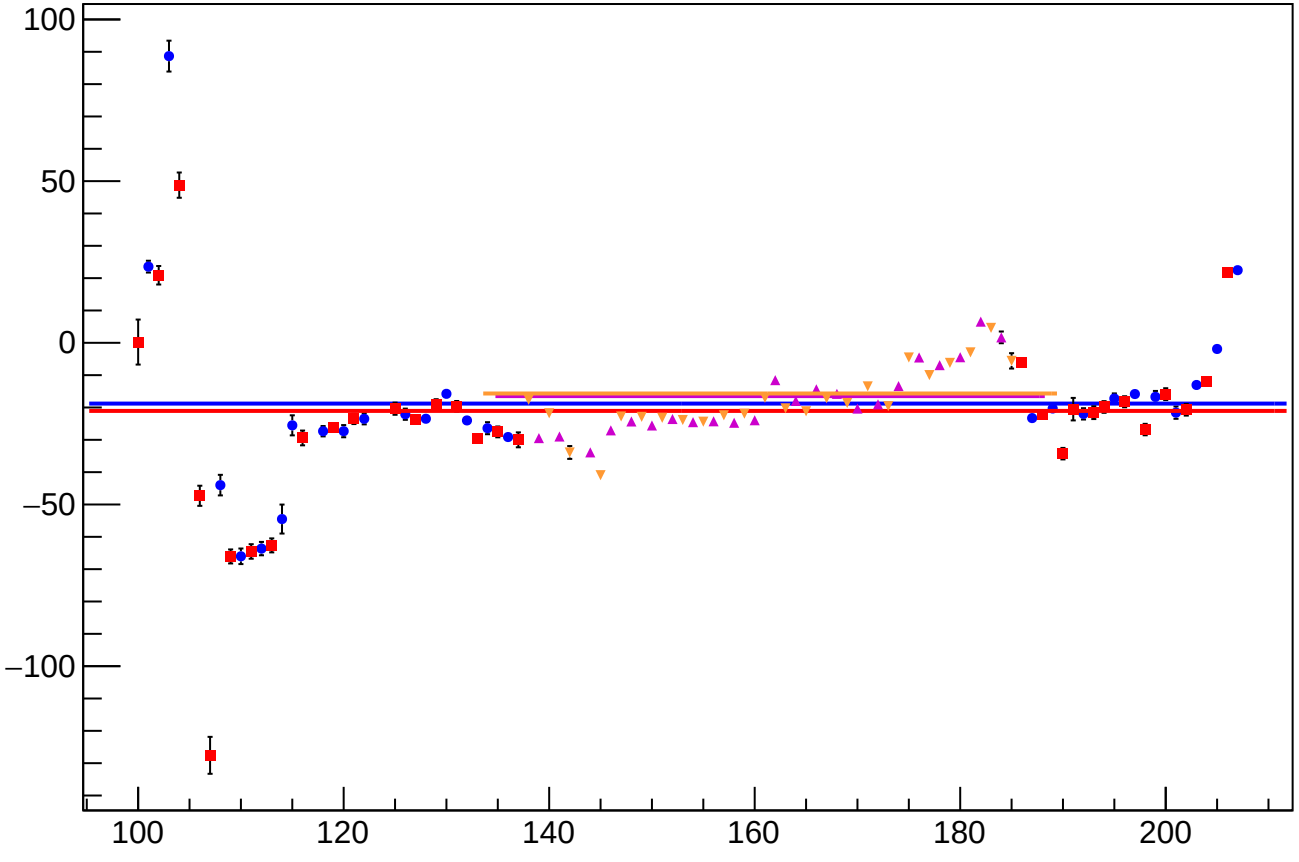
Right: -2.452+/-0.239 χ^2/NDF: 771.0/55

In: -1.852+/-0.177 χ^2/NDF:698.2/48

Out: -1.444+/-0.174 χ^2/NDF:643.8/53

All: -1.644+/-0.124 χ^2/NDF: 1344.8/102

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -18.793+/-0.325 χ^2/NDF: 3197.0/25

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

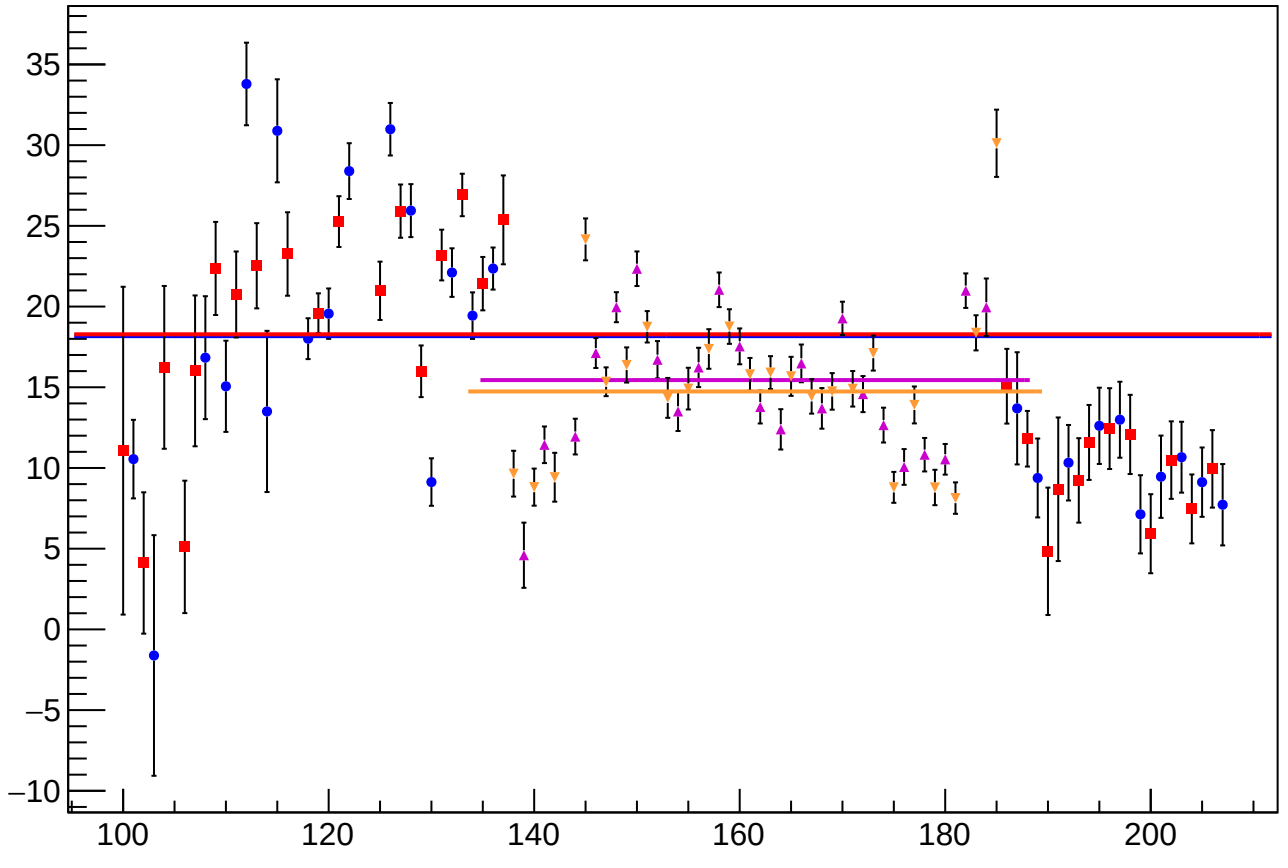
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -20.008+/-0.222 χ^2/NDF: 6677.6/55

In: -17.406+/-0.206 χ^2/NDF:4924.9/48

Out: -17.991+/-0.199 χ^2/NDF:5155.7/53

All: -17.709+/-0.143 χ^2/NDF: 10084.9/102



Right In: 18.167+/-0.393 χ^2/NDF: 363.5/25

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

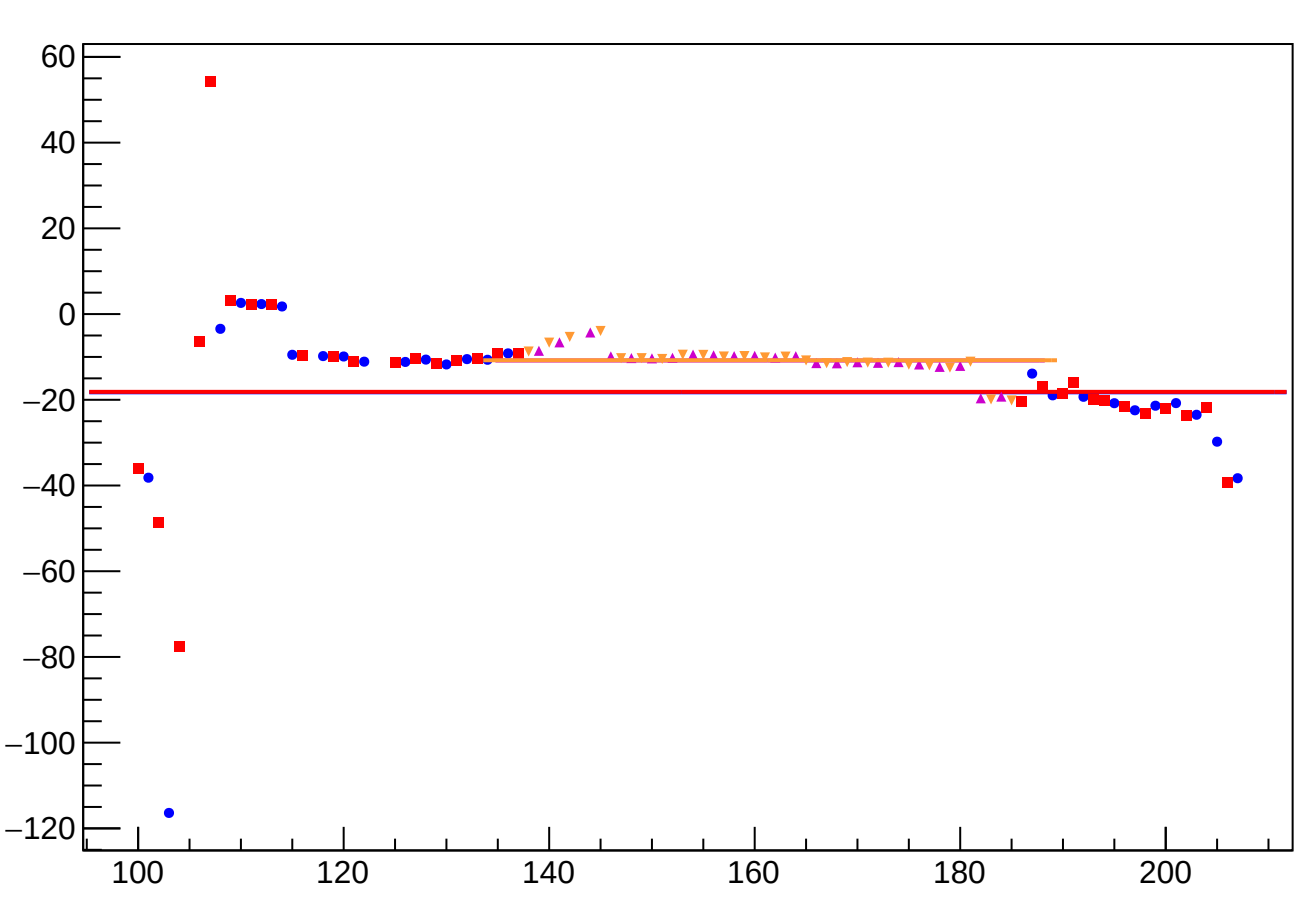
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 18.224+/-0.279 χ^2/NDF: 642.0/55

In: 16.152+/-0.200 χ^2/NDF:689.4/48

Out: 15.632+/-0.198 χ^2/NDF:669.5/53

All: 15.889+/-0.141 χ^2/NDF: 1362.3/102



Right In: -18.255+/-0.019 χ^2/NDF: 445876.3/25

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

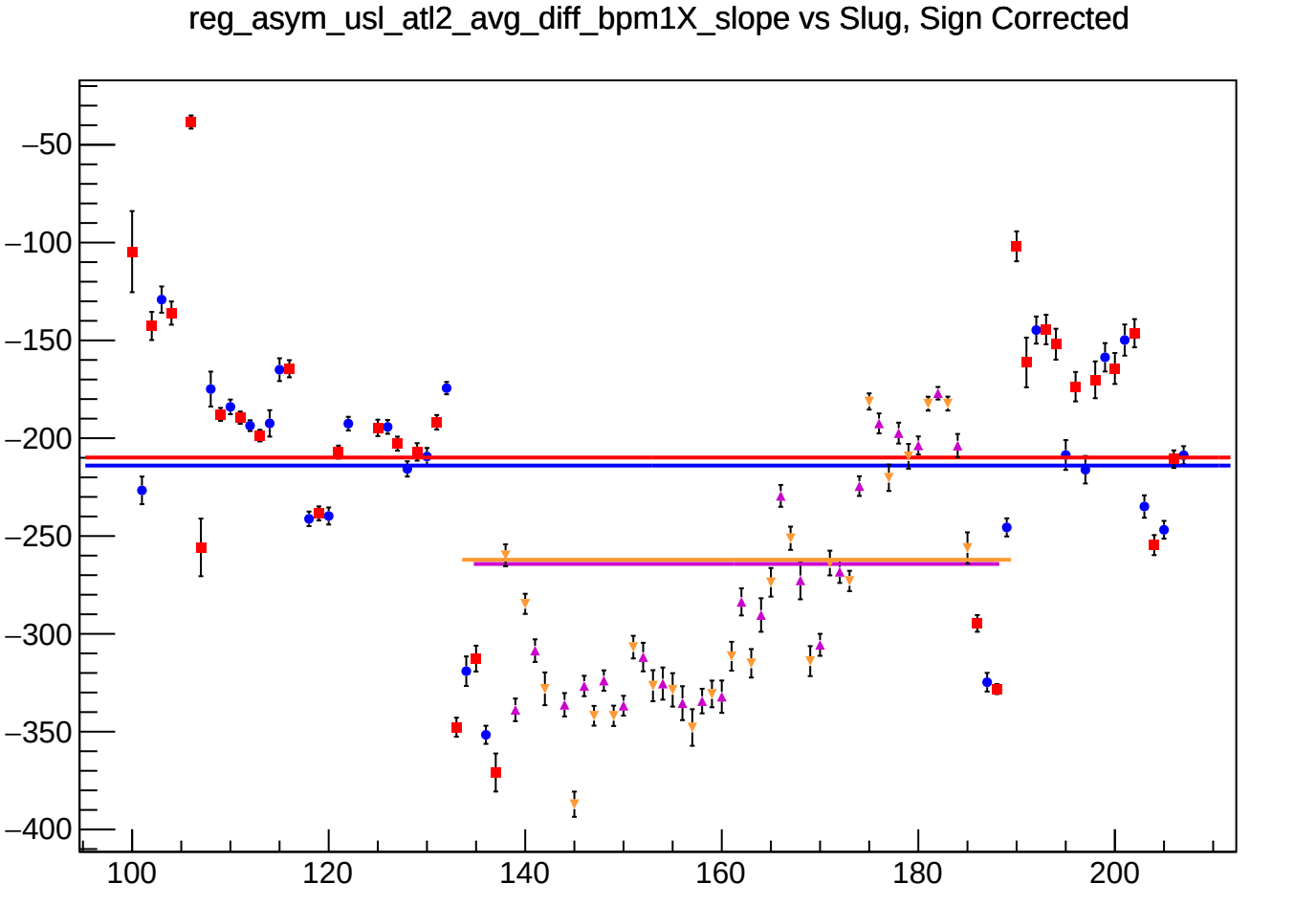
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -18.201+/-0.014 χ^2/NDF: 878182.1/55

In: -12.468+/-0.009 χ^2/NDF:634023.8/48

Out: -12.427+/-0.009 χ^2/NDF:631932.6/53

All: -12.448+/-0.006 χ^2/NDF: 1265966.7/102



Right In: -213.983+/-0.918 χ^2/NDF: 2651.3/25

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

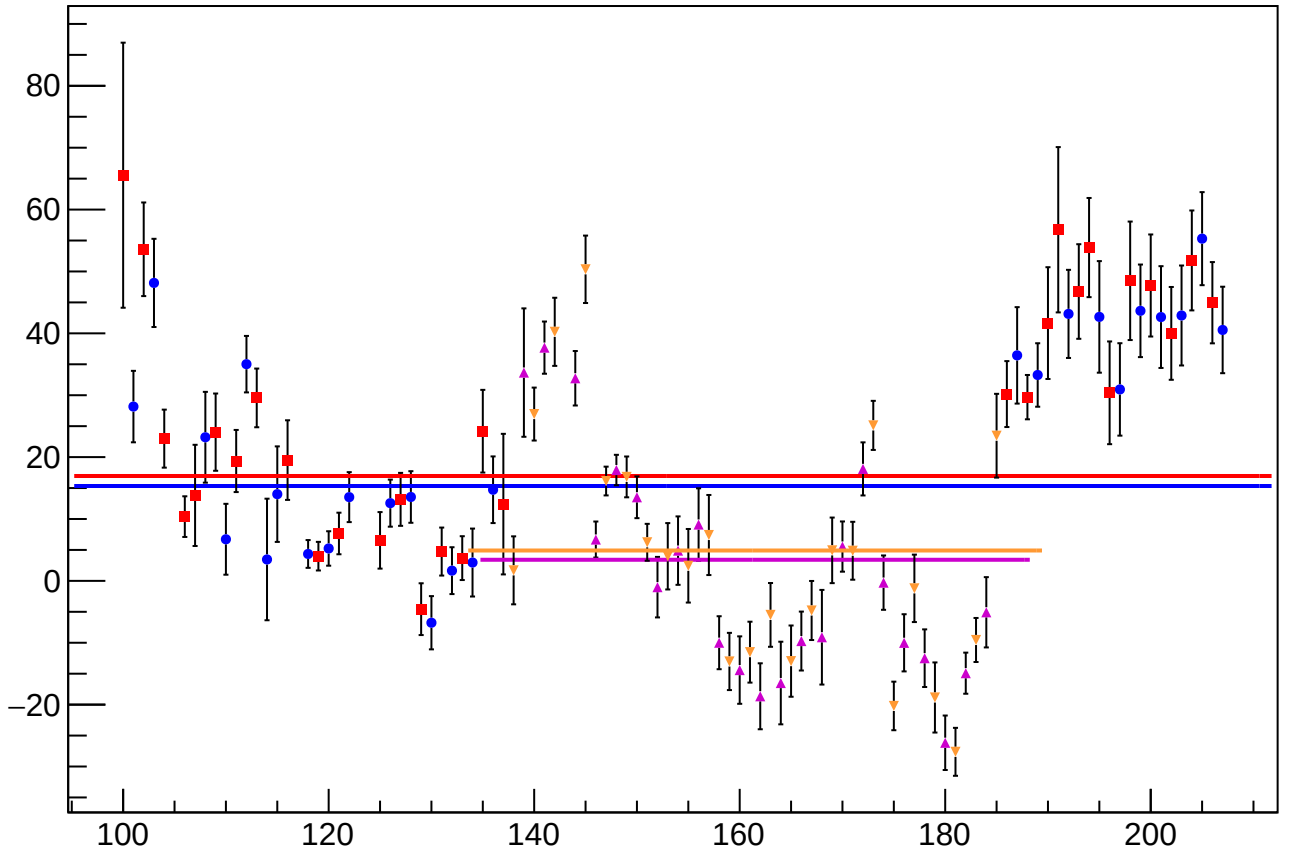
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -211.741+/-0.619 χ^2/NDF: 10282.3/55

In: -232.823+/-0.726 χ^2/NDF:6518.3/48

Out: -227.432+/-0.684 χ^2/NDF:11887.2/53

All: -229.968+/-0.498 χ^2/NDF: 18434.7/102



Right In: 15.330+/-0.966 χ^2/NDF: 258.8/25

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

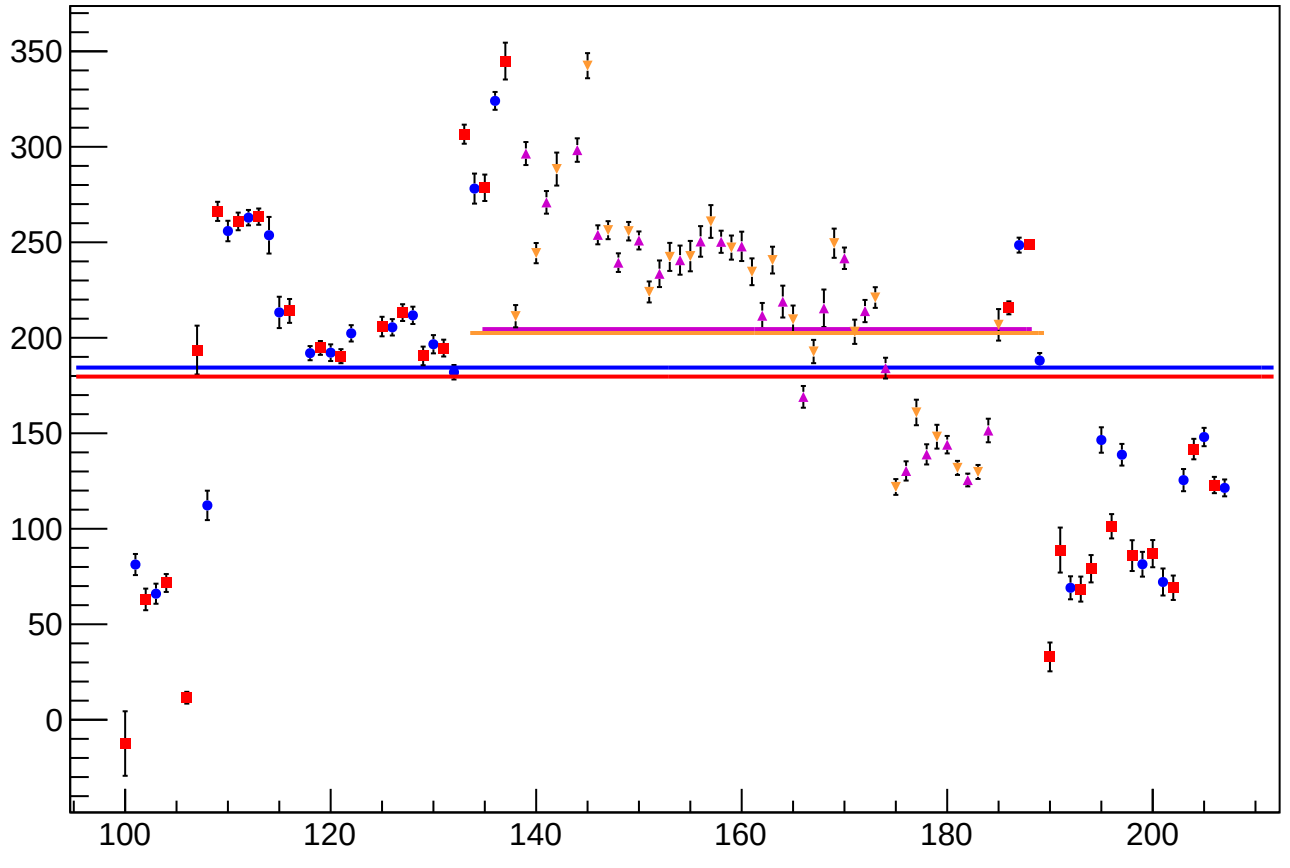
Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

Right: 16.177+/-0.667 χ^2/NDF: 545.5/55

In: 8.953+/-0.659 χ^2/NDF:673.6/48

Out: 10.696+/-0.639 χ^2/NDF:772.8/53

All: 9.852+/-0.459 χ^2/NDF: 1450.1/102



Right In: 184.411+/-0.979 χ^2/NDF: 4289.9/25

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

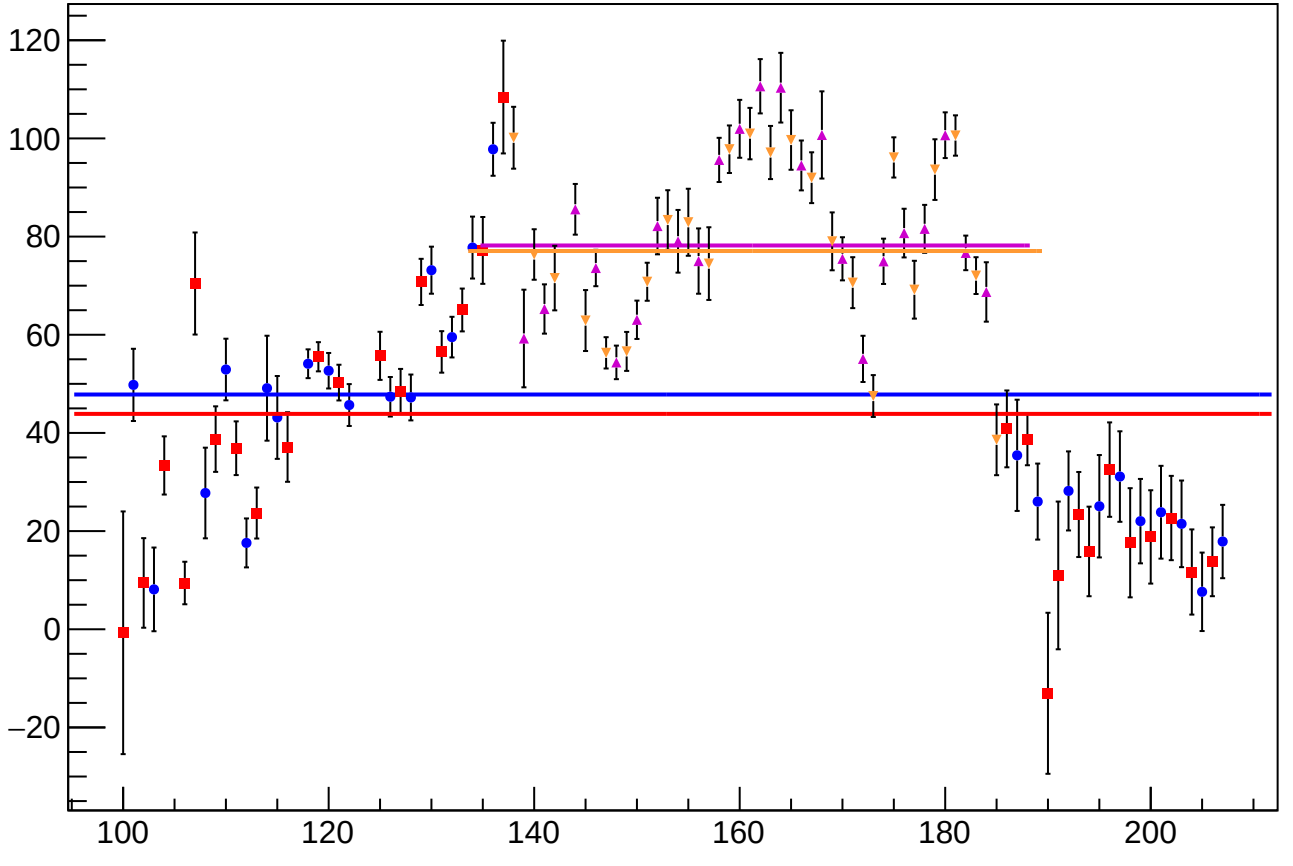
Right: 181.765+/-0.649 χ^2/NDF: 13790.6/55

In: 192.647+/-0.753 χ^2/NDF:6748.8/48

Out: 187.760+/-0.698 χ^2/NDF:12125.9/53

All: 190.018+/-0.512 χ^2/NDF: 18897.4/102

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 47.827+/-1.132 χ^2/NDF: 303.8/25

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

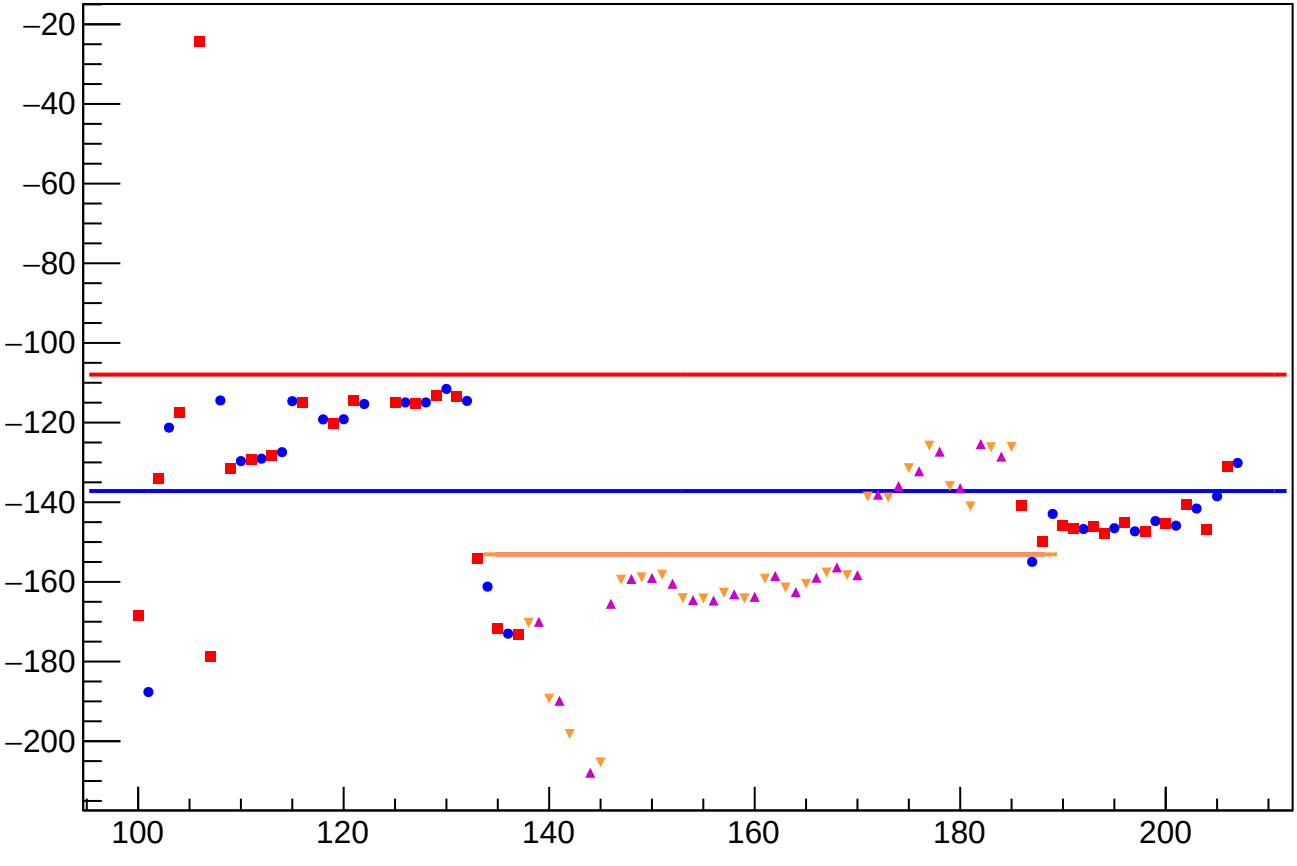
Right: 45.780+/-0.785 χ^2/NDF: 649.9/55

In: 64.499+/-0.760 χ^2/NDF:931.6/48

Out: 61.656+/-0.743 χ^2/NDF:1147.0/53

All: 63.046+/-0.531 χ^2/NDF: 2085.7/102

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -137.190+/-0.062 χ^2/NDF: 103639.9/25

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

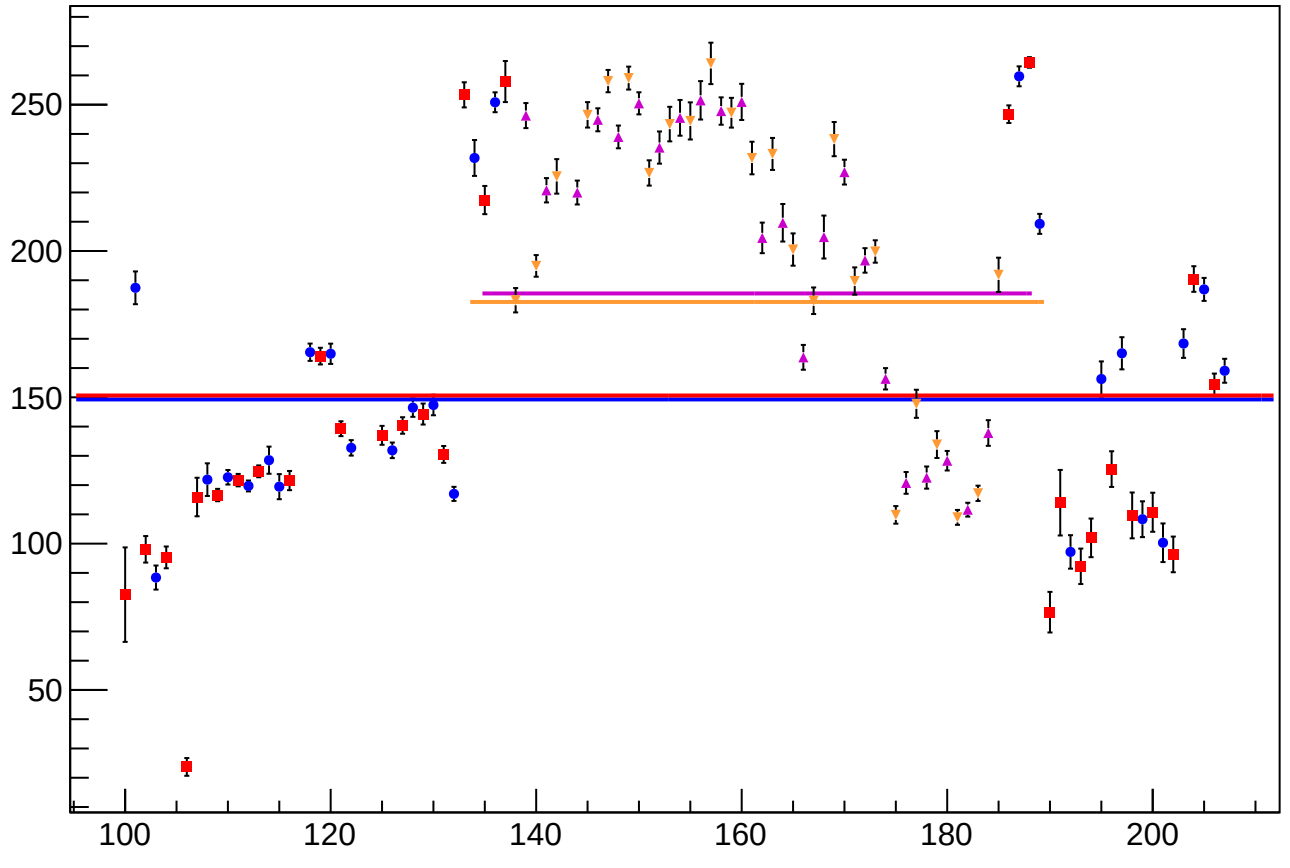
Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

Right: -119.993+/-0.040 χ^2/NDF: 1219326.0/55

In: -147.371+/-0.037 χ^2/NDF:312221.0/48

Out: -132.838+/-0.035 χ^2/NDF:1578352.8/53

All: -139.609+/-0.025 χ^2/NDF: 1971653.0/10



Right In: 149.279+/-0.689 χ^2/NDF: 3775.1/25

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

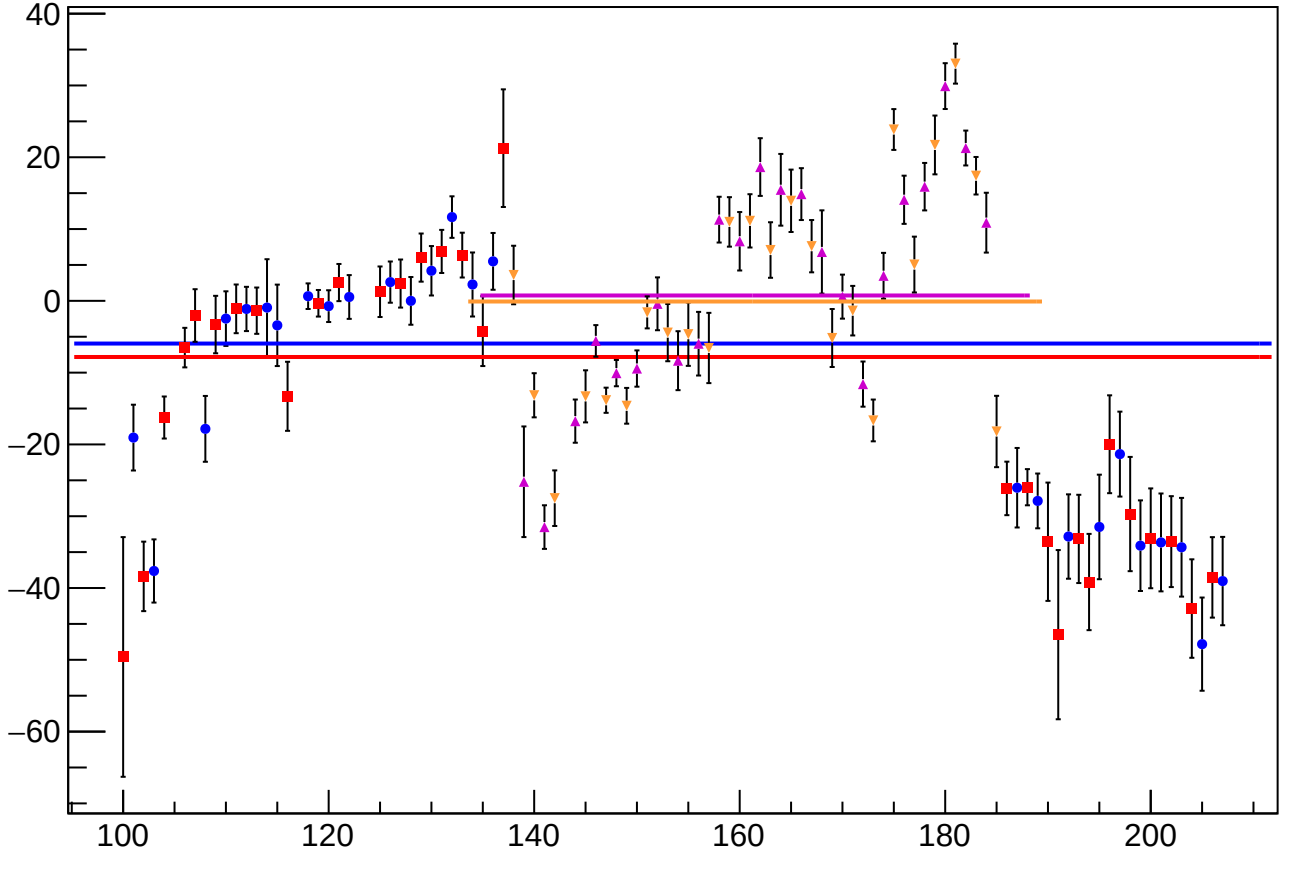
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

Right: 150.016+/-0.463 χ^2/NDF: 13232.0/55

In: 163.203+/-0.541 χ^2/NDF:8658.2/48

Out: 161.564+/-0.507 χ^2/NDF:14503.7/53

All: 162.330+/-0.370 χ^2/NDF: 23166.8/102



Right In: -5.949+/-0.740 χ^2/NDF: 374.2/25

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

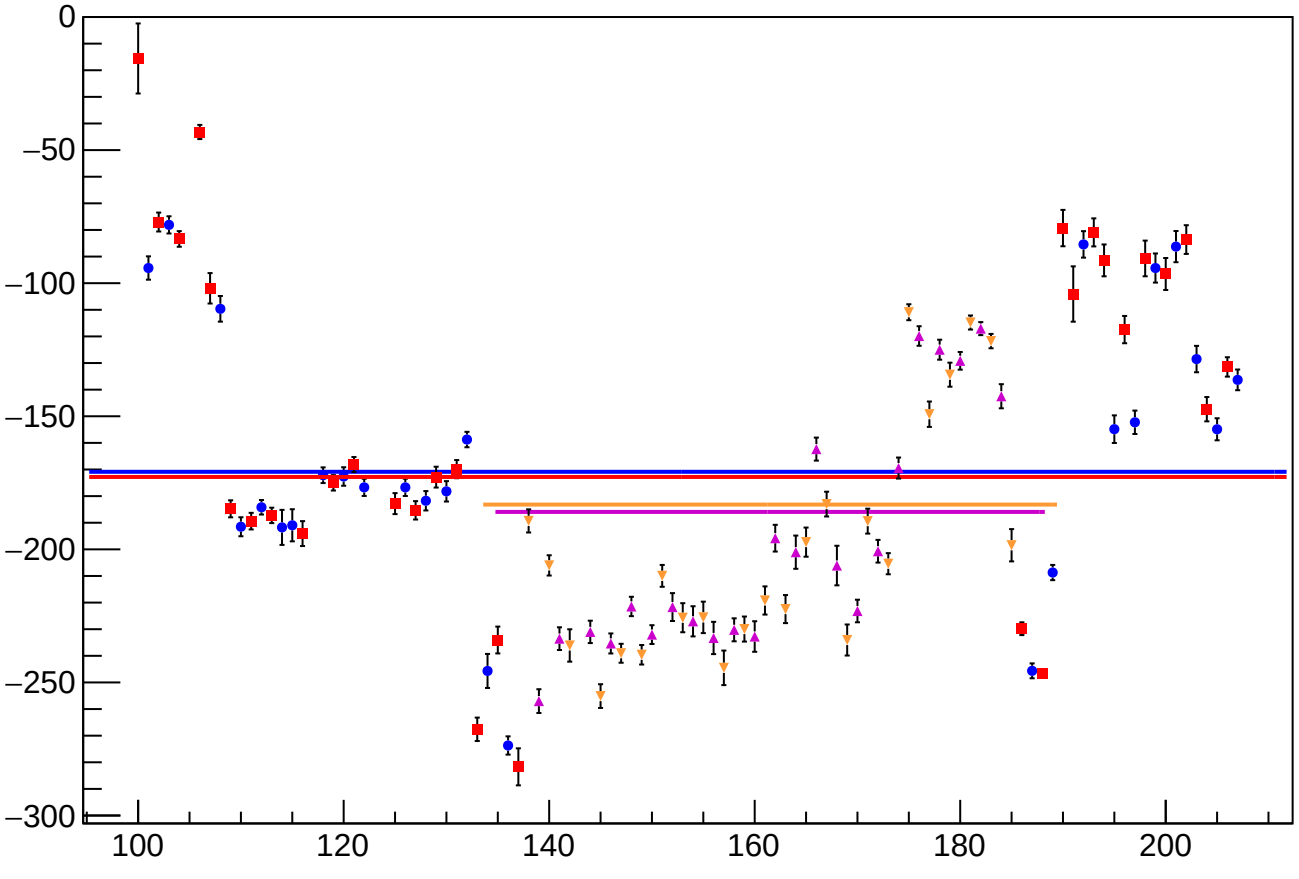
Left: 0.320+/-0.467 χ^2/NDF: 1053.9/46

Right: -6.942+/-0.507 χ^2/NDF: 800.4/55

In: -2.246+/-0.495 χ^2/NDF:917.3/48

Out: -3.721+/-0.477 χ^2/NDF:1043.5/53

All: -3.011+/-0.343 χ^2/NDF: 1965.4/102



Right In: -170.861+/-0.741 χ^2/NDF: 4225.7/25

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

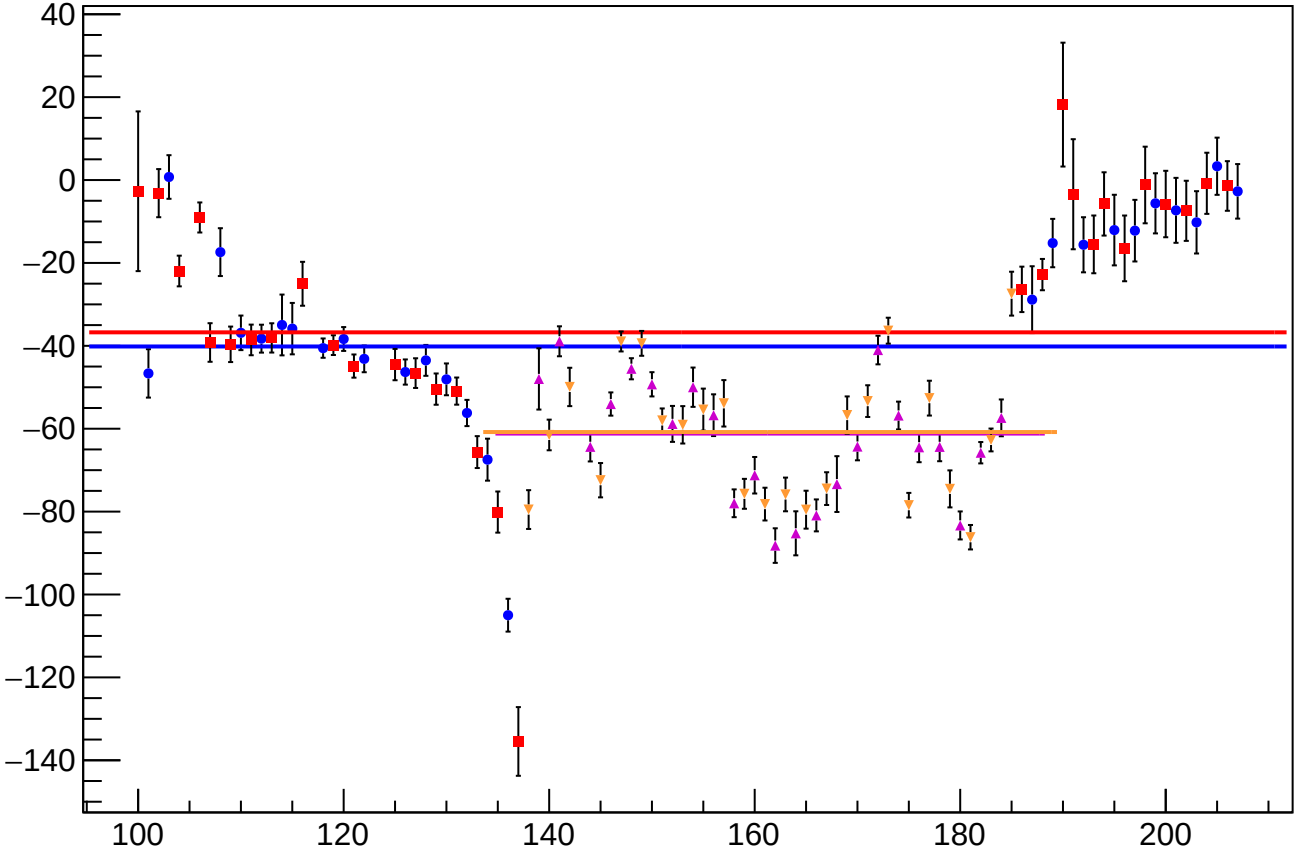
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -171.959+/-0.488 χ^2/NDF: 14225.2/55

In: -177.221+/-0.563 χ^2/NDF:7582.1/48

Out: -176.547+/-0.518 χ^2/NDF:13449.2/53

All: -176.856+/-0.381 χ^2/NDF: 21032.1/102



Right In: -40.158+/-0.866 χ^2/NDF: 599.2/25

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

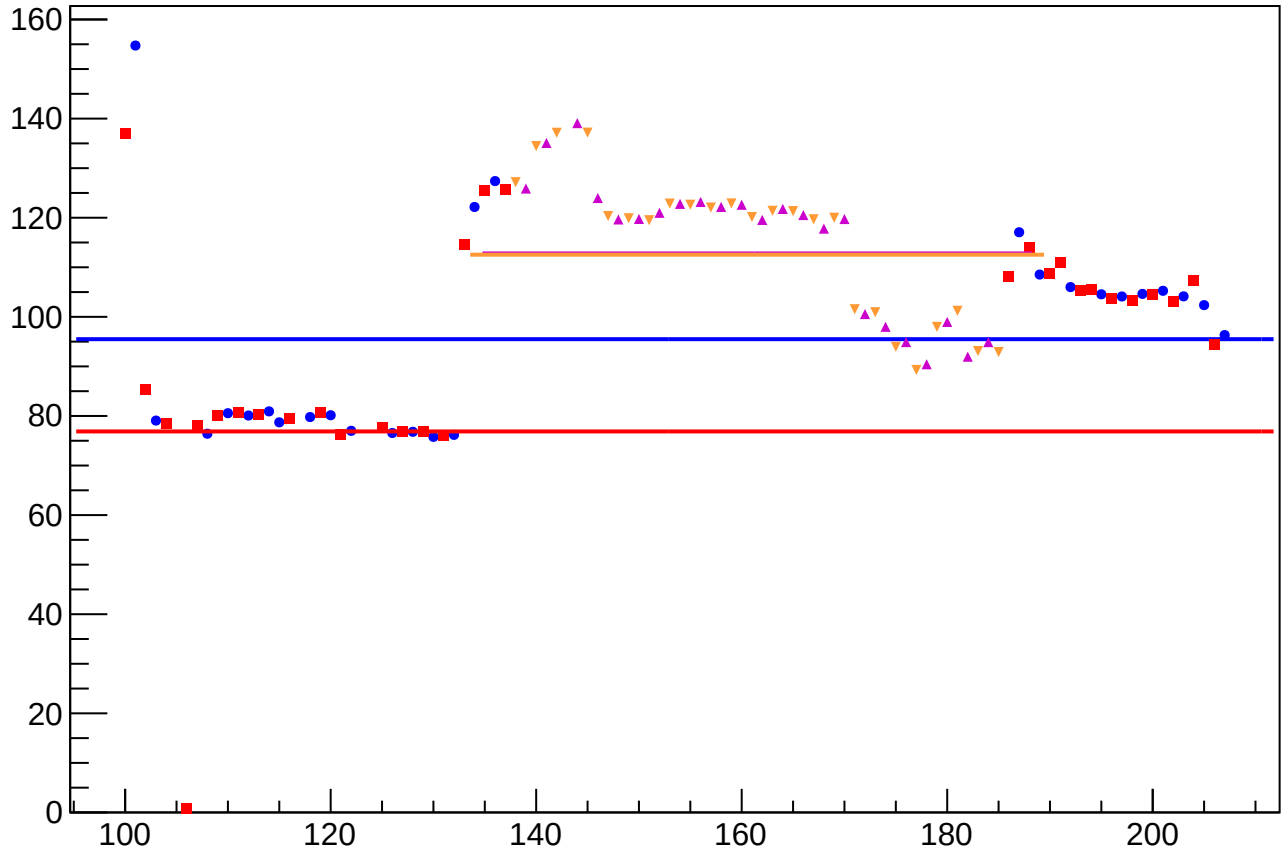
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -38.370+/-0.597 χ^2/NDF: 1226.8/55

In: -52.071+/-0.570 χ^2/NDF:1250.1/48

Out: -49.934+/-0.555 χ^2/NDF:1559.5/53

All: -50.973+/-0.397 χ^2/NDF: 2816.8/102



Right In: 95.494+/-0.047 χ^2/NDF: 182638.9/25

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

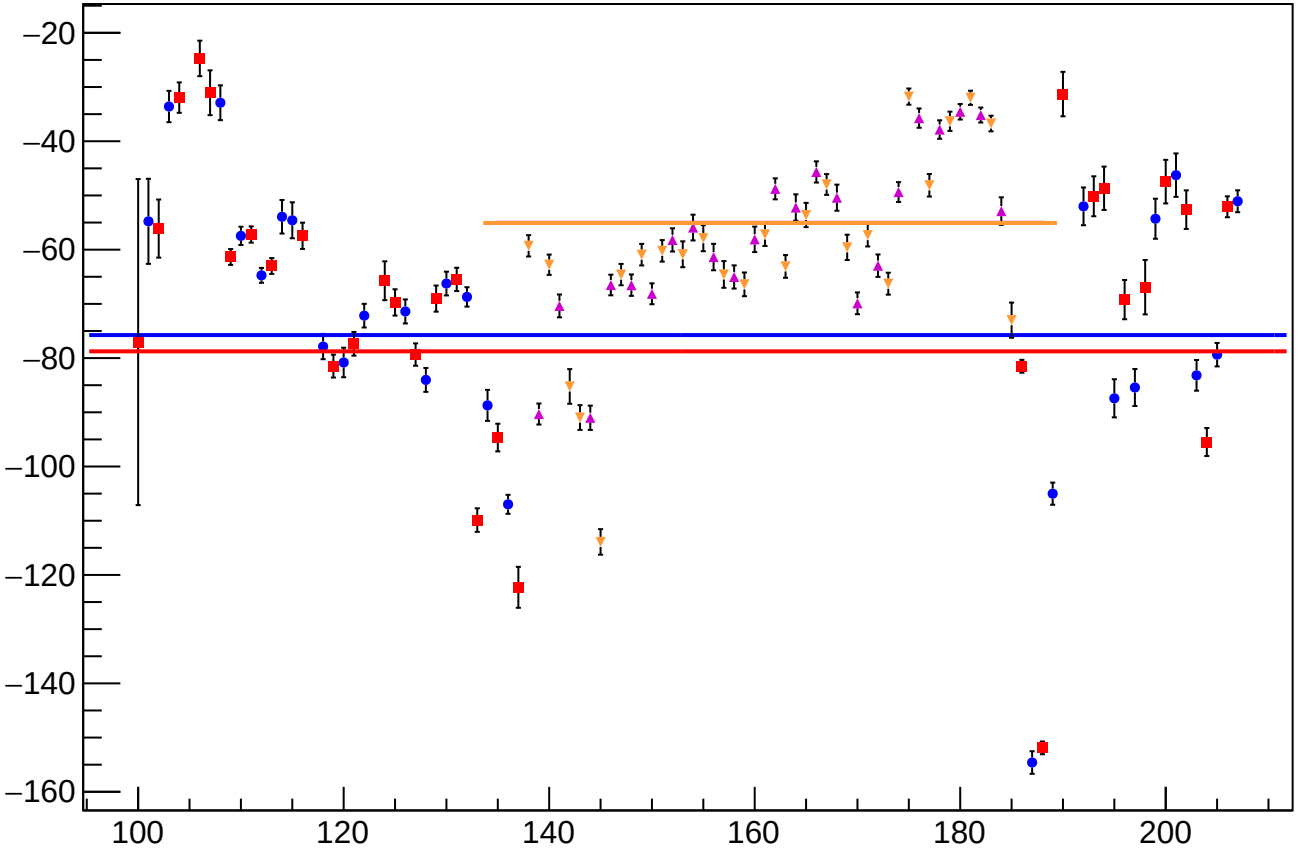
Right: 84.840+/-0.031 χ^2/NDF: 1154337.2/55

In: 106.807+/-0.028 χ^2/NDF:441671.1/48

Out: 97.679+/-0.026 χ^2/NDF:1500753.8/53

All: 102.003+/-0.019 χ^2/NDF: 1998994.7/102

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -75.754+/-0.464 χ^2/NDF: 3019.5/25

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

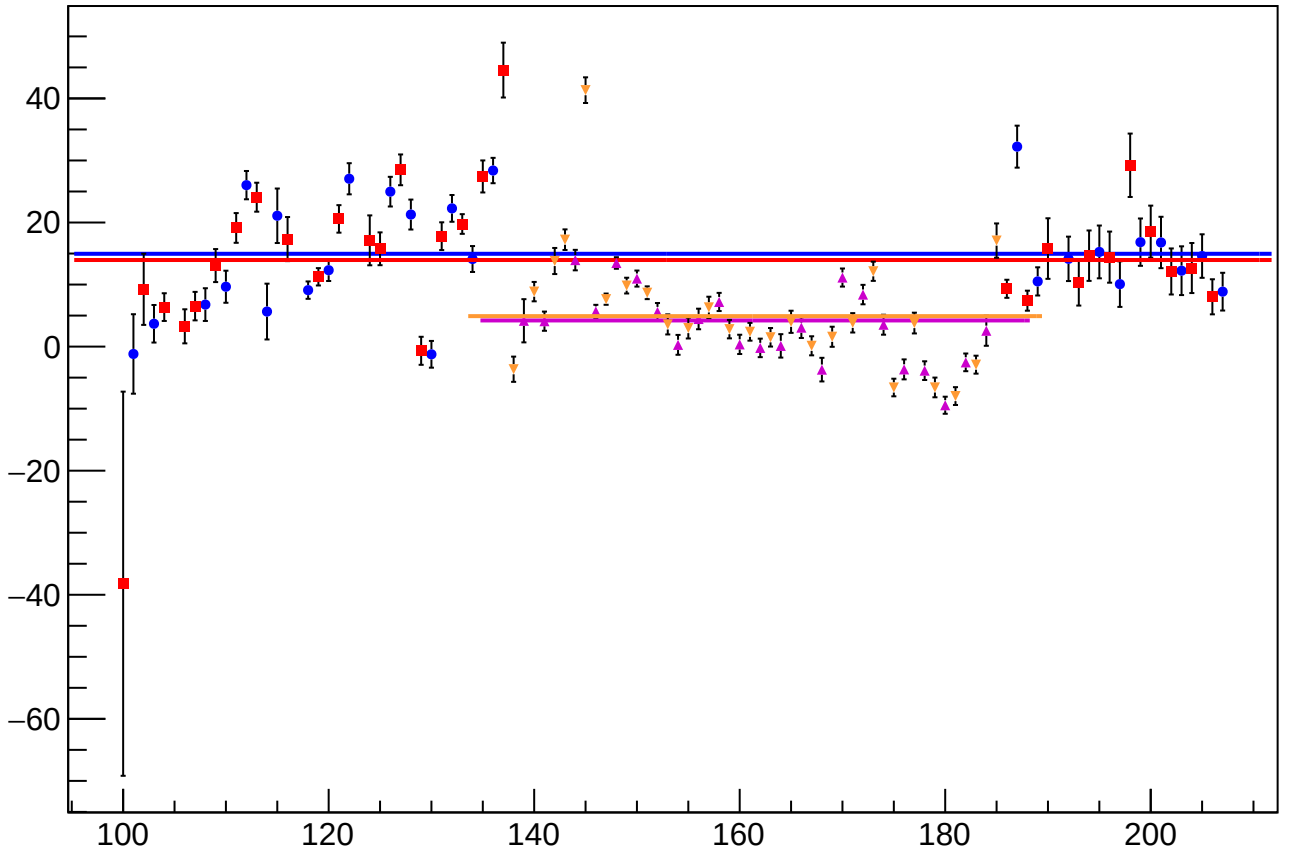
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -77.432+/-0.308 χ^2/NDF: 9205.8/55

In: -64.147+/-0.307 χ^2/NDF:5679.2/48

Out: -66.598+/-0.287 χ^2/NDF:9866.0/54

All: -65.456+/-0.210 χ^2/NDF: 15579.1/103



Right In: 14.959+/-0.511 χ^2/NDF: 279.2/25

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

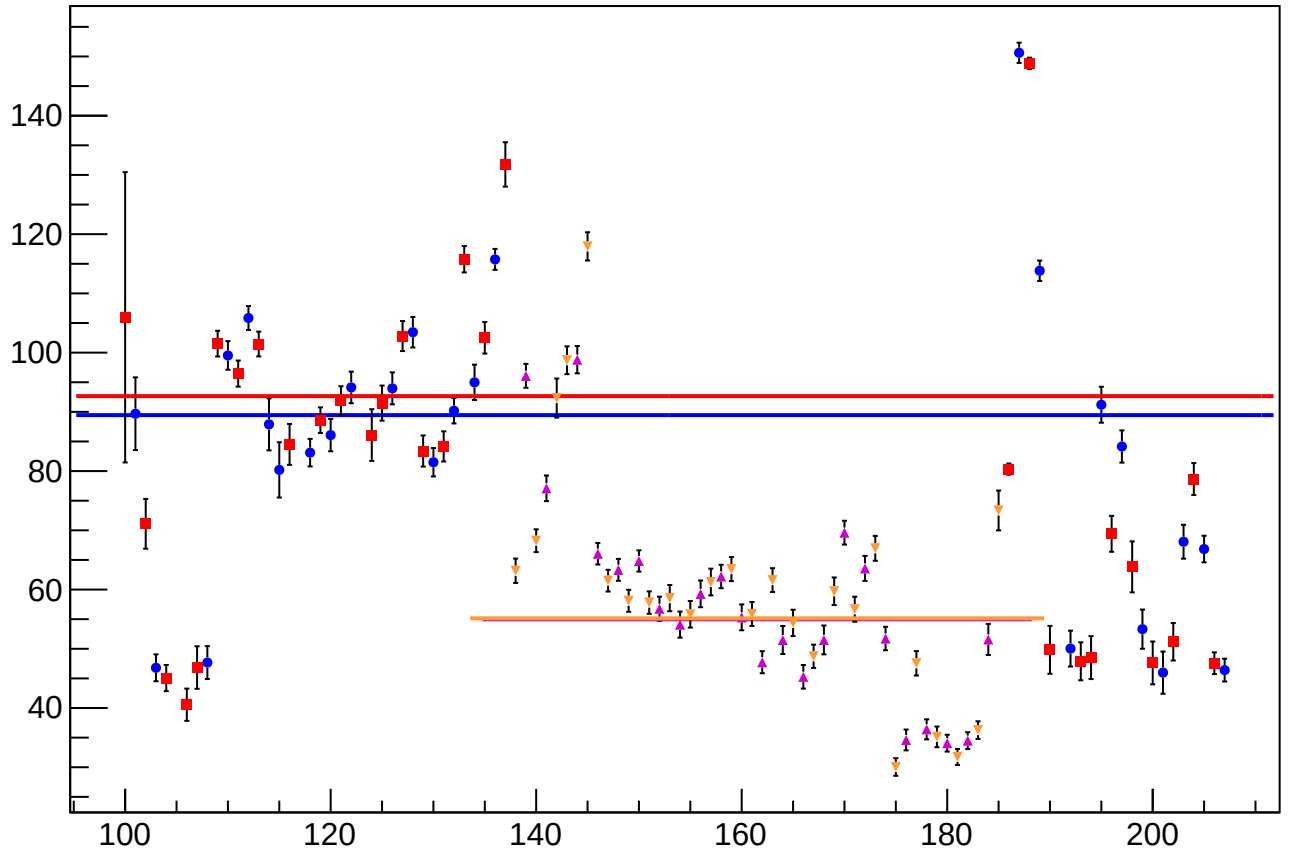
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.410+/-0.343 χ^2/NDF: 570.7/55

In: 7.139+/-0.266 χ^2/NDF:1016.3/48

Out: 7.597+/-0.253 χ^2/NDF:1298.6/54

All: 7.380+/-0.183 χ^2/NDF: 2316.5/103



Right In: 89.448+/-0.486 χ^2/NDF: 3529.0/25

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

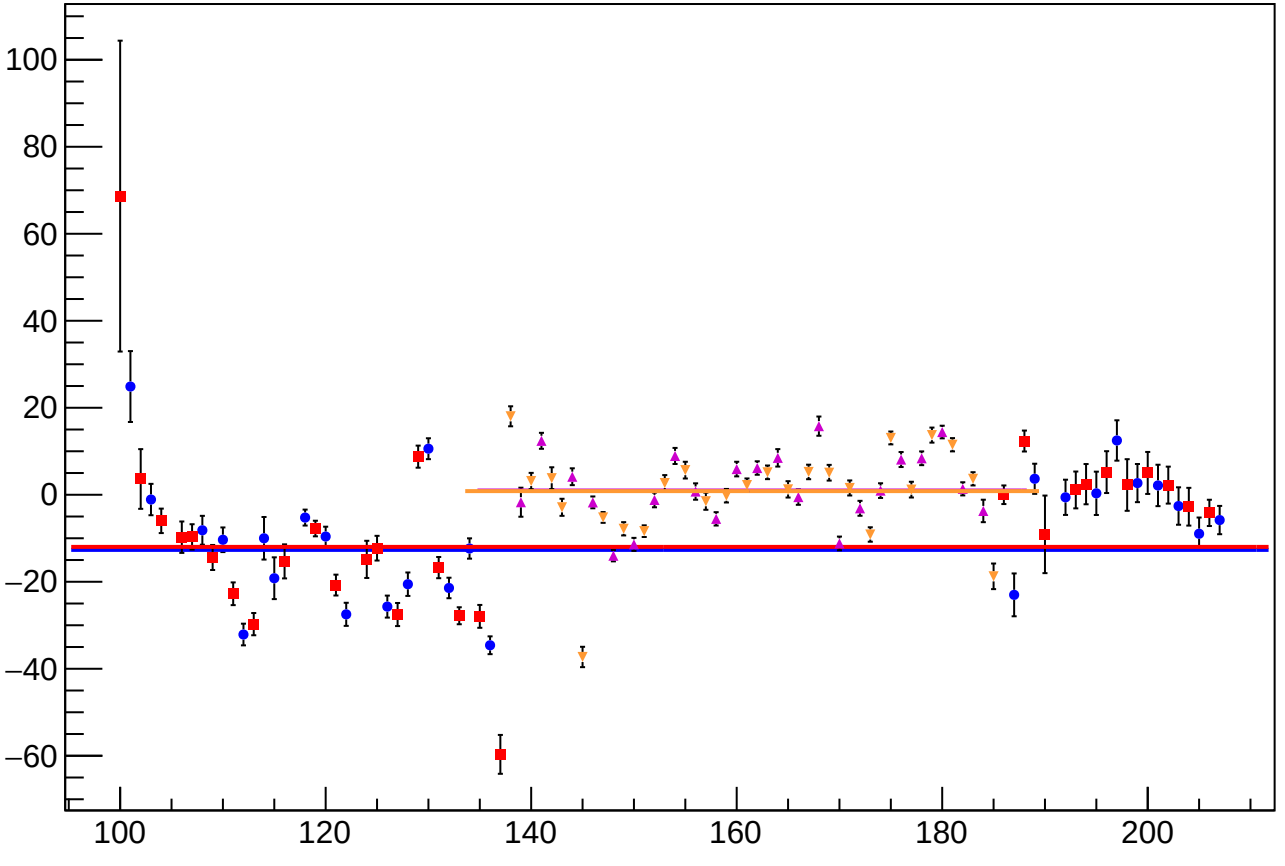
Right: 91.312+/-0.315 χ^2/NDF: 10087.2/55

In: 69.120+/-0.311 χ^2/NDF:8274.6/48

Out: 73.155+/-0.286 χ^2/NDF:13065.0/54

All: 71.308+/-0.211 χ^2/NDF: 21430.6/103

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -12.673+/-0.593 χ^2/NDF: 508.7/25

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

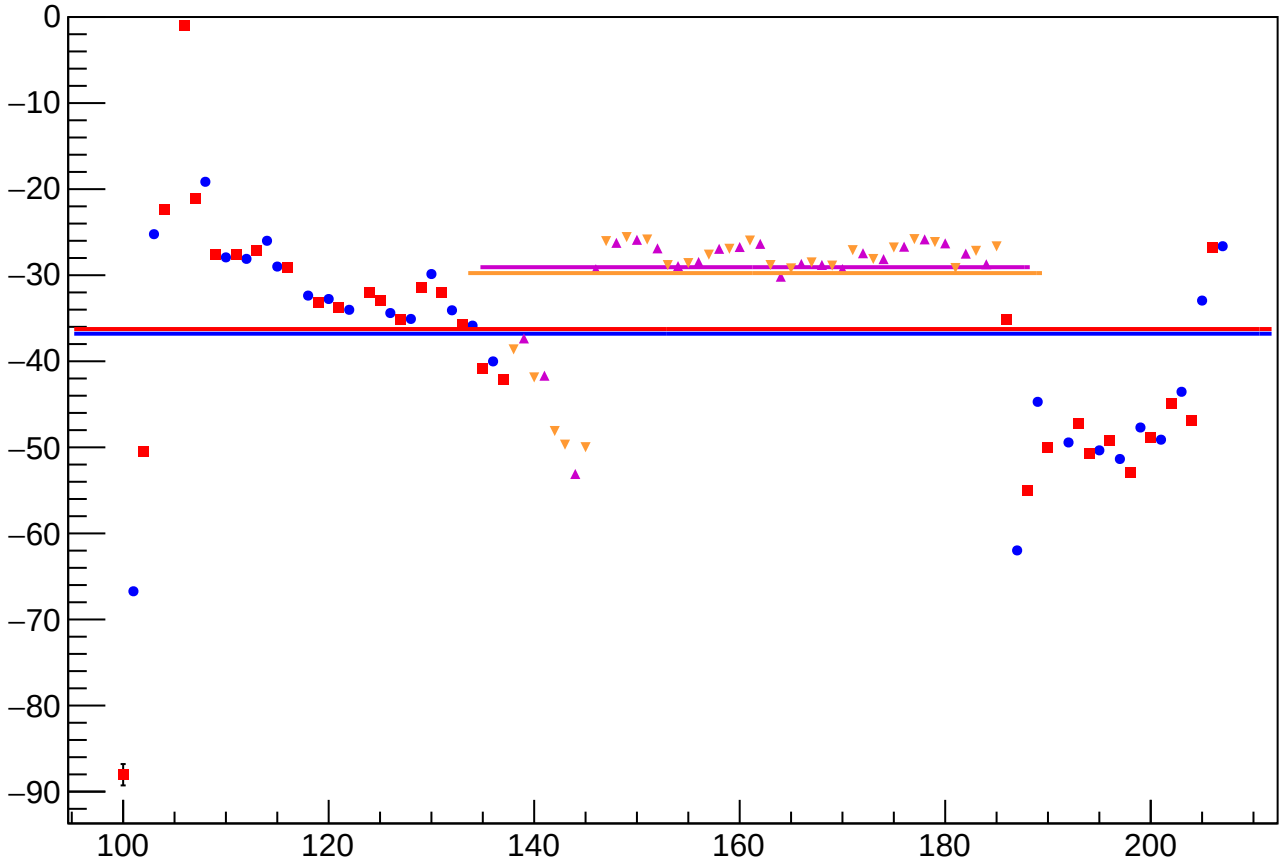
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.305+/-0.405 χ^2/NDF: 1139.1/55

In: -2.600+/-0.303 χ^2/NDF:1458.7/48

Out: -2.707+/-0.292 χ^2/NDF:1733.8/54

All: -2.656+/-0.210 χ^2/NDF: 3192.6/103



Right In: -36.795+/-0.030 χ^2/NDF: 119096.7/25

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

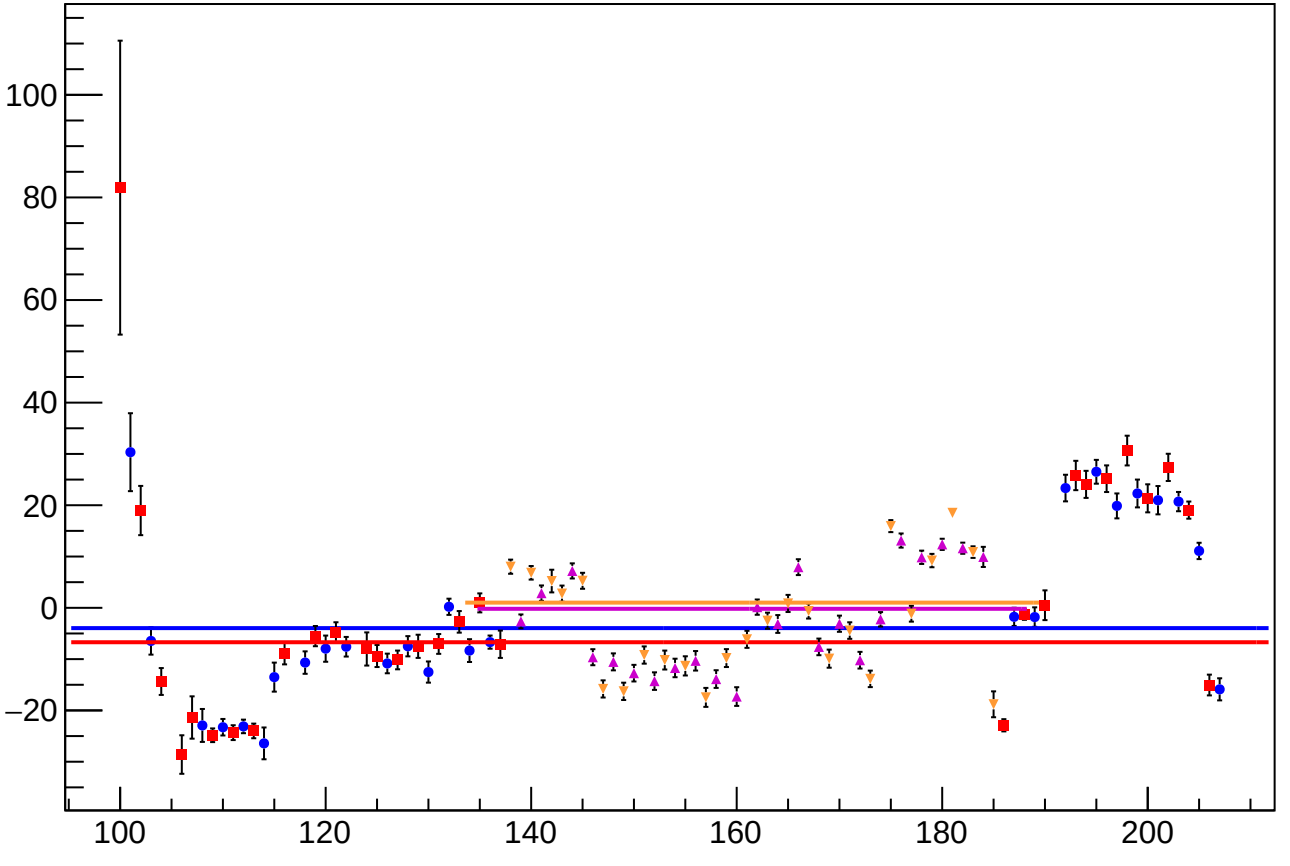
Right: -36.515+/-0.021 χ^2/NDF: 331862.5/55

In: -30.771+/-0.014 χ^2/NDF:273432.0/48

Out: -31.229+/-0.014 χ^2/NDF:415679.5/54

All: -31.004+/-0.010 χ^2/NDF: 689660.4/103

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.955+/-0.398 χ^2/NDF: 1387.7/25

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

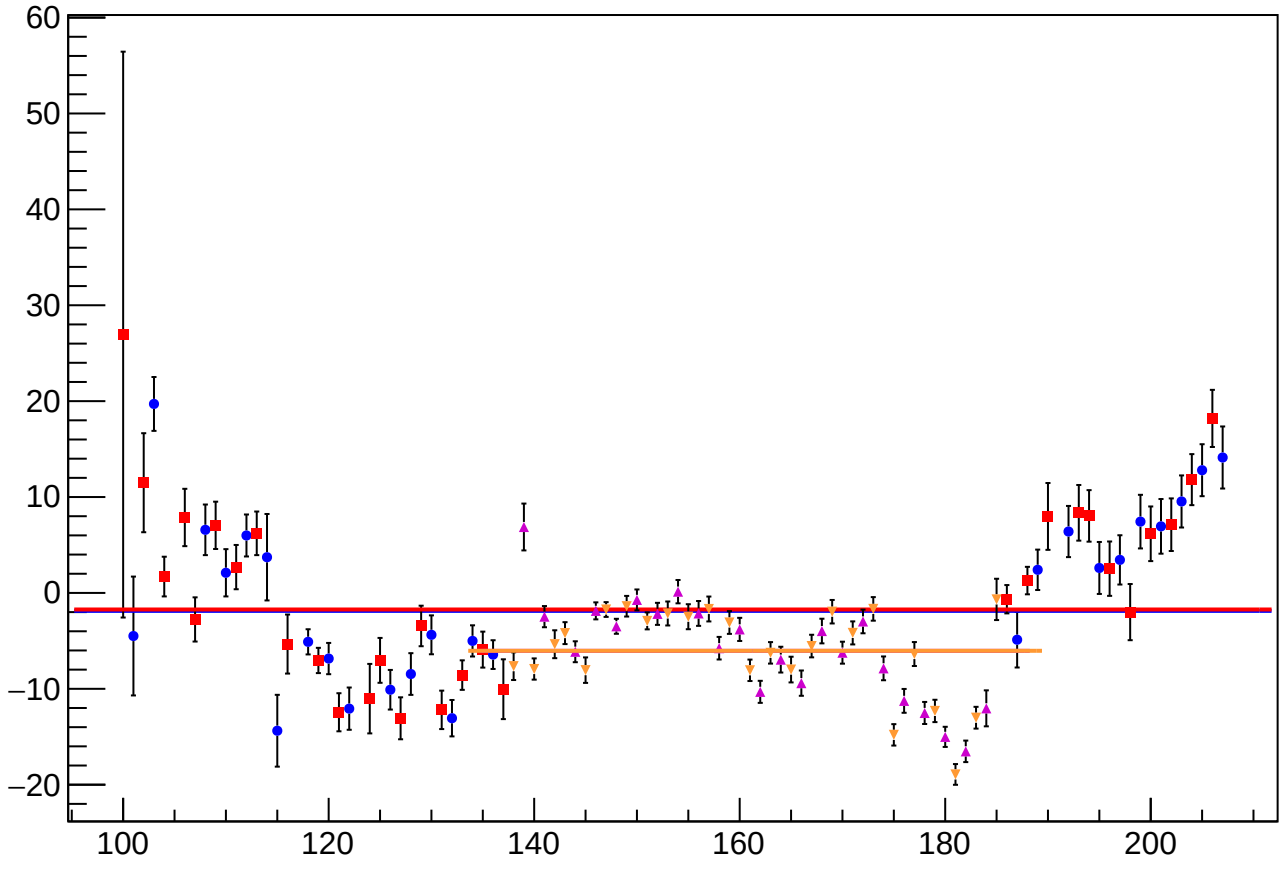
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -5.454+/-0.269 χ^2/NDF: 3341.8/55

In: -1.639+/-0.247 χ^2/NDF:2425.5/48

Out: -2.166+/-0.234 χ^2/NDF:3527.6/54

All: -1.917+/-0.170 χ^2/NDF: 5955.5/103



Right In: -1.872+/-0.441 χ^2/NDF: 322.6/25

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

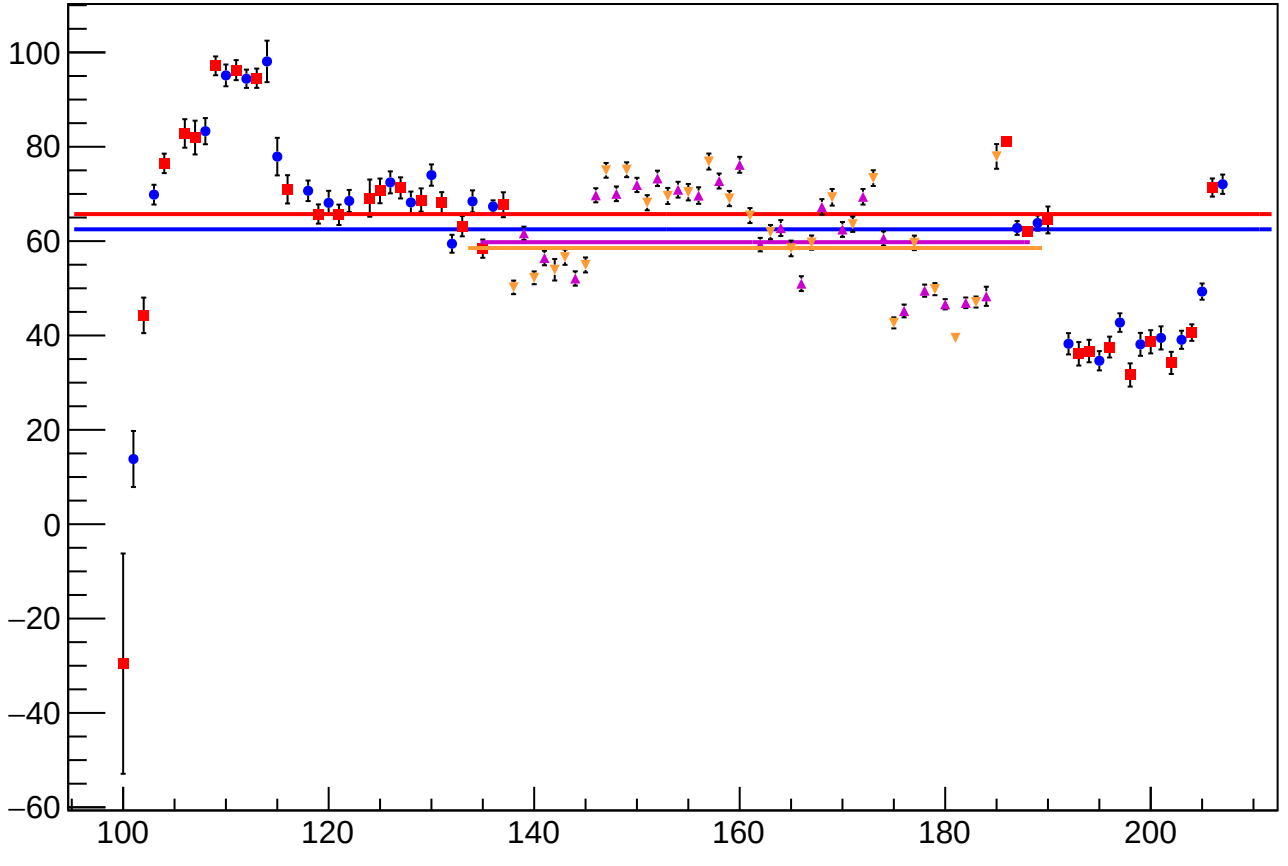
Right: -1.795+/-0.302 χ^2/NDF: 646.0/55

In: -5.074+/-0.213 χ^2/NDF:787.4/48

Out: -4.997+/-0.203 χ^2/NDF:820.5/54

All: -5.034+/-0.147 χ^2/NDF: 1607.9/103

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 62.504+/-0.413 χ^2/NDF: 1608.9/25

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

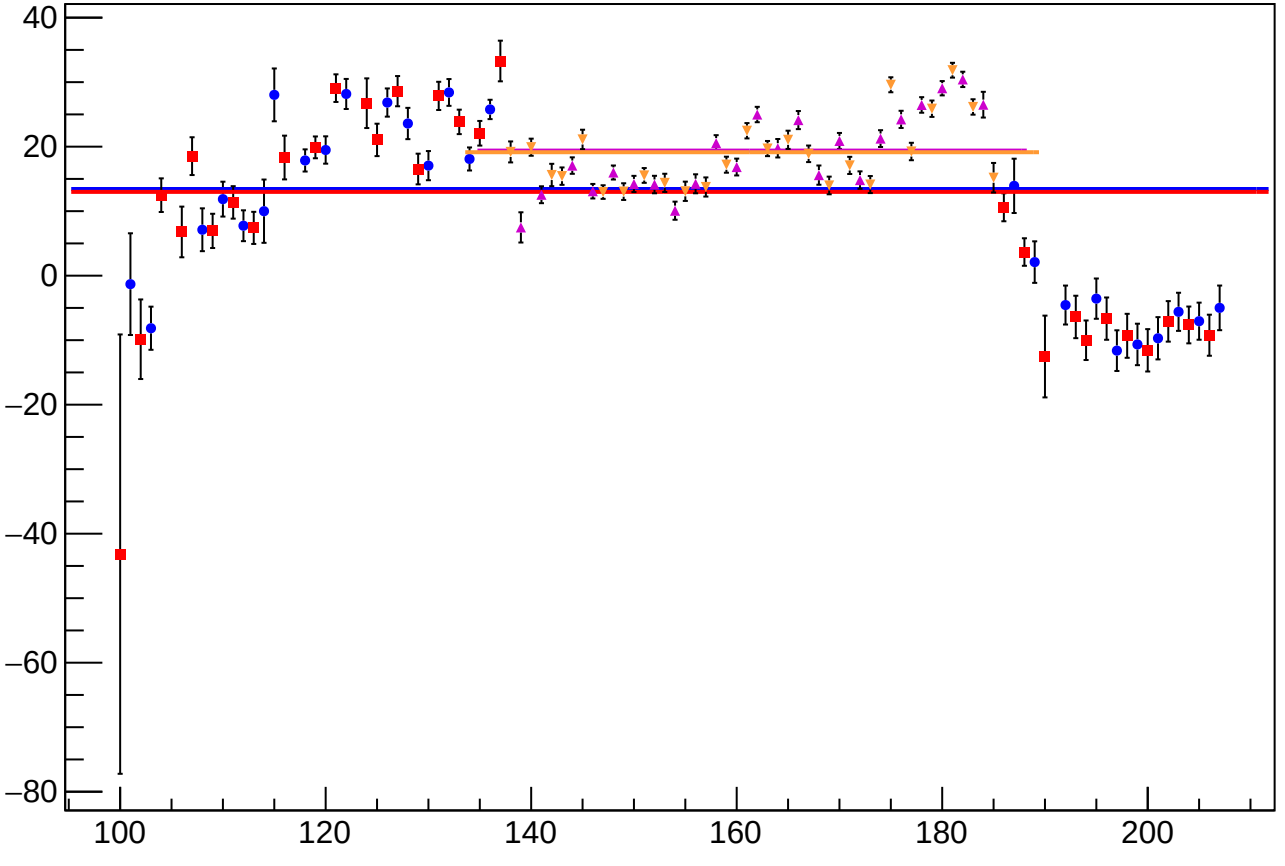
Right: 64.315+/-0.273 χ^2/NDF: 3894.3/55

In: 60.766+/-0.249 χ^2/NDF:2707.2/48

Out: 61.473+/-0.233 χ^2/NDF:3930.6/54

All: 61.142+/-0.170 χ^2/NDF: 6642.1/103

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.436+/-0.507 χ^2/NDF: 674.2/25

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

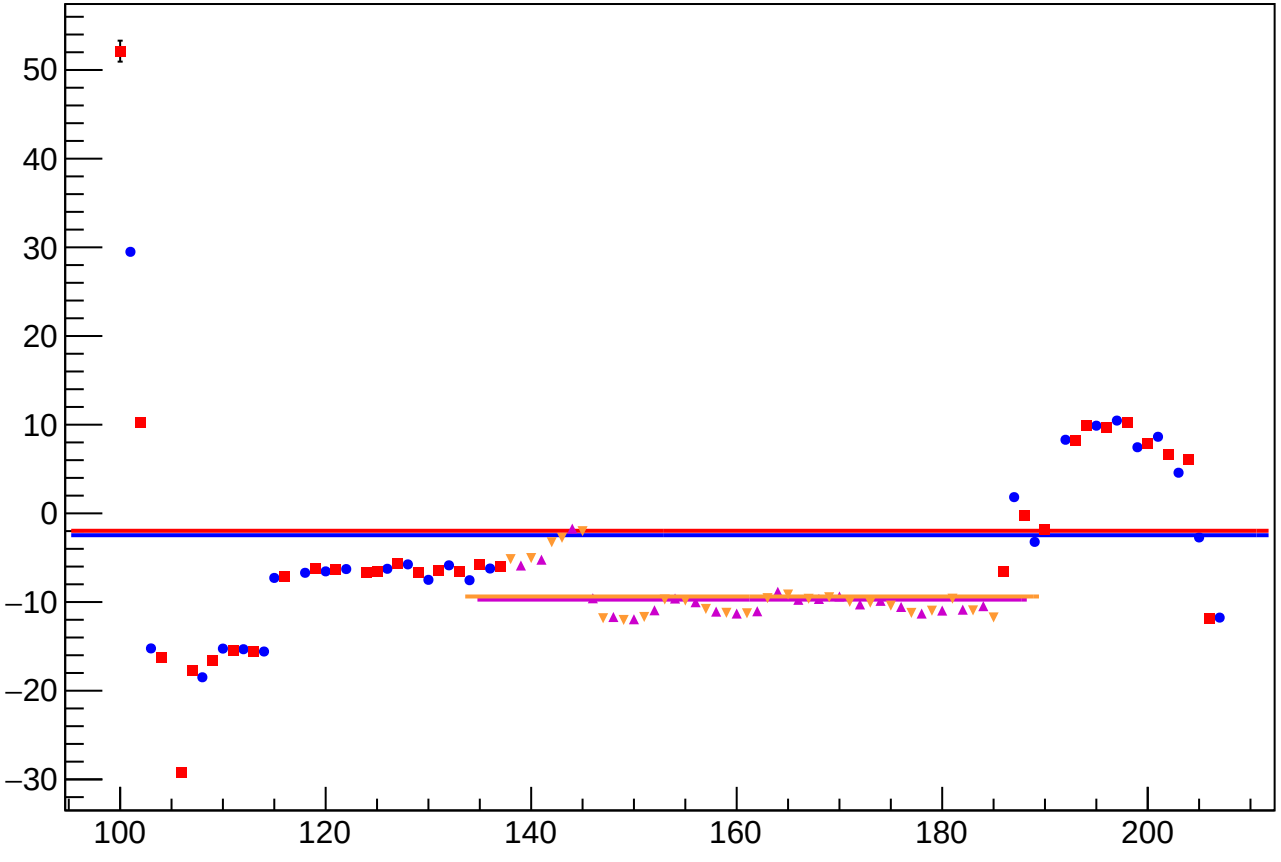
Right: 13.206+/-0.352 χ^2/NDF: 1400.3/55

In: 18.046+/-0.241 χ^2/NDF:1248.8/48

Out: 17.754+/-0.232 χ^2/NDF:1281.4/54

All: 17.895+/-0.167 χ^2/NDF: 2531.0/103

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -2.464+/-0.024 χ^2/NDF: 154576.3/25

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

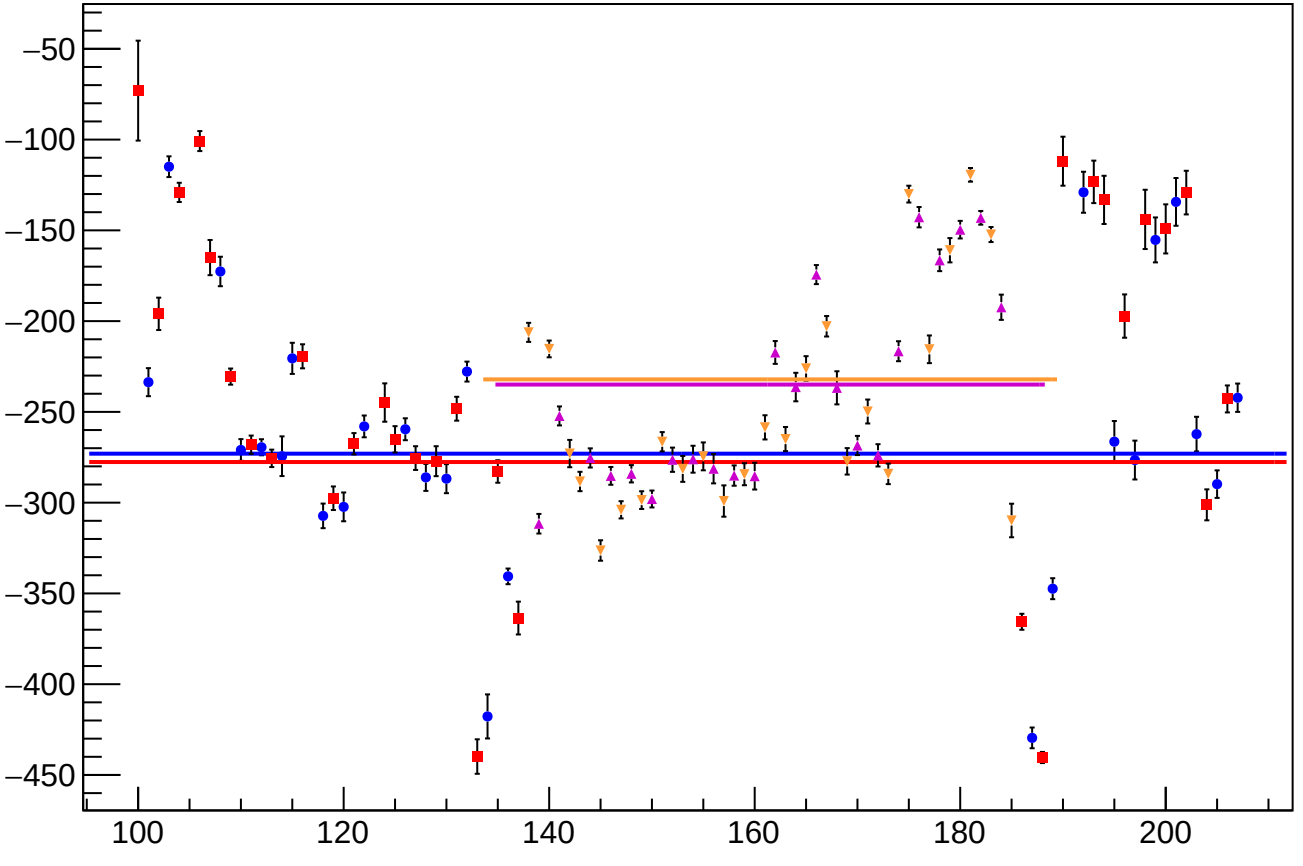
Right: -2.211+/-0.017 χ^2/NDF: 348513.8/55

In: -8.256+/-0.011 χ^2/NDF:259285.2/48

Out: -7.892+/-0.011 χ^2/NDF:321500.9/54

All: -8.071+/-0.008 χ^2/NDF: 581363.5/103

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -273.016+/-1.379 χ^2/NDF: 2800.0/25

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

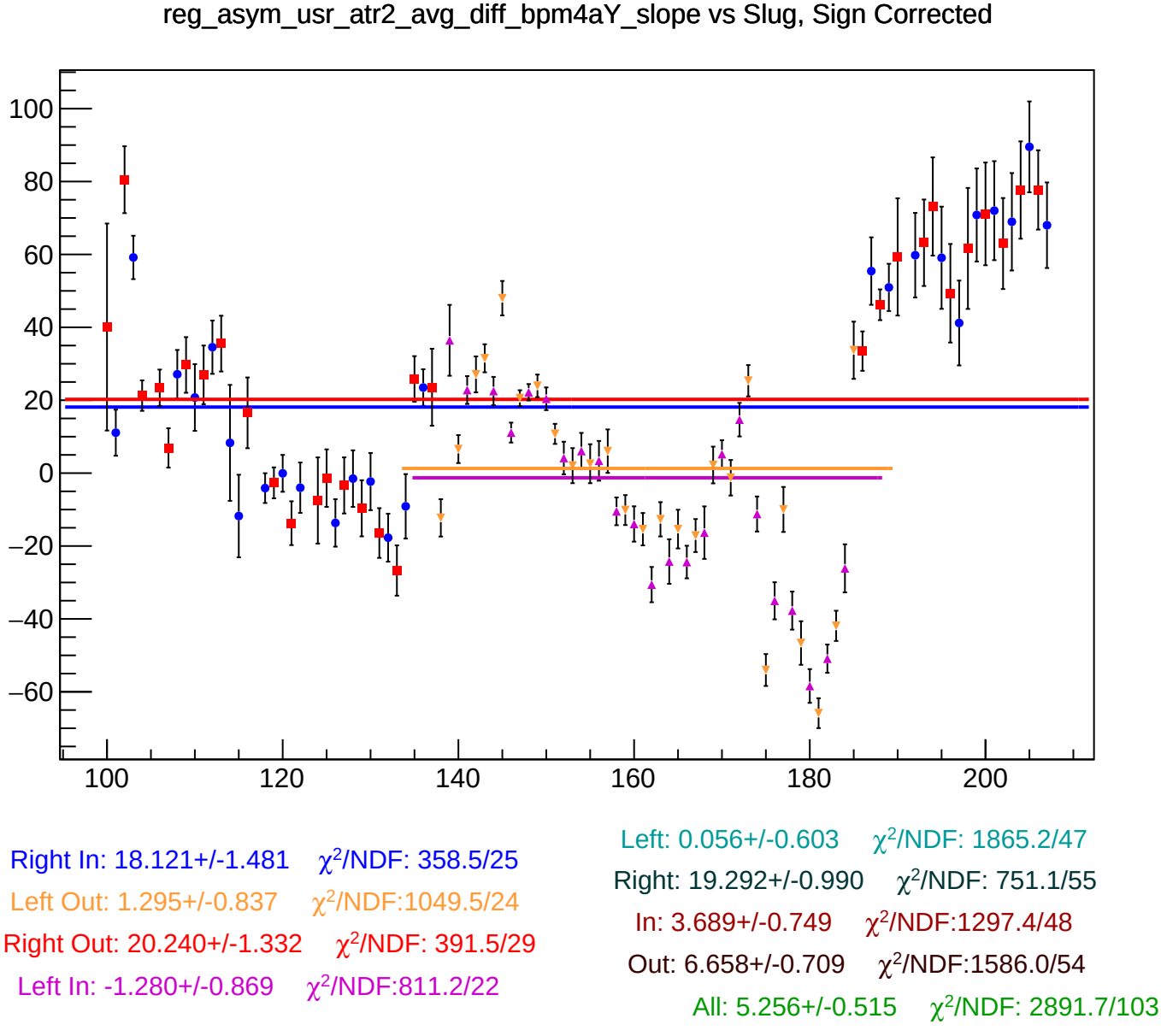
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

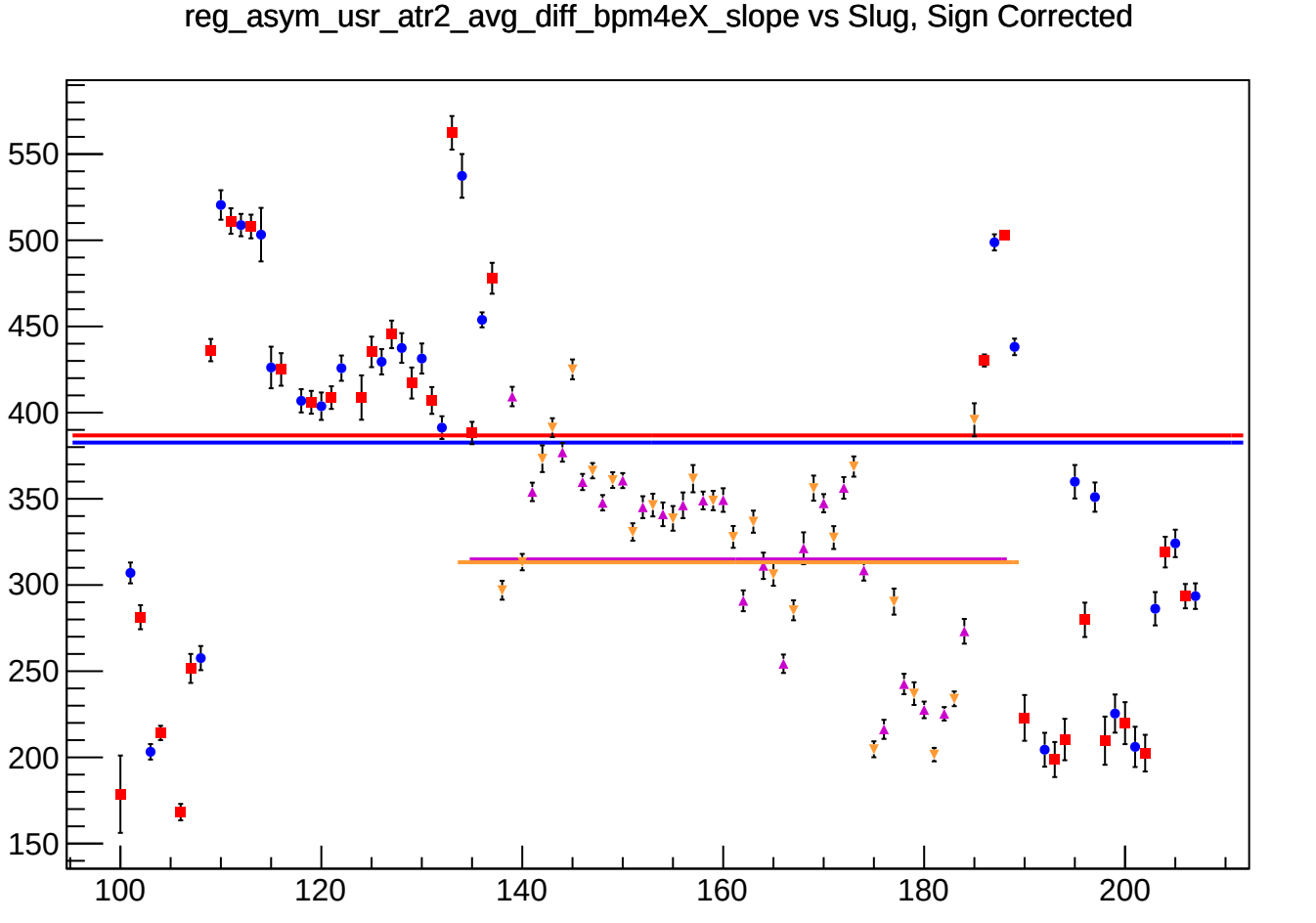
Right: -275.598+/-0.913 χ^2/NDF: 9564.1/55

In: -250.977+/-0.895 χ^2/NDF:5711.5/48

Out: -253.383+/-0.834 χ^2/NDF:10769.8/54

All: -252.264+/-0.610 χ^2/NDF: 16485.1/103


reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
100
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 18.121+/-1.481 χ²/NDF: 358.5/25
Left Out: 1.295+/-0.837 χ²/NDF:1049.5/24
Right Out: 20.240+/-1.332 χ²/NDF: 391.5/29
Left In: -1.280+/-0.869 χ²/NDF:811.2/22
Left: 0.056+/-0.603 χ²/NDF: 1865.2/47
Right: 19.292+/-0.990 χ²/NDF: 751.1/55
In: 3.689+/-0.749 χ²/NDF:1297.4/48
Out: 6.658+/-0.709 χ²/NDF:1586.0/54
All: 5.256+/-0.515 χ²/NDF: 2891.7/103



Right In: 382.626+/-1.396 χ^2/NDF: 5199.9/25

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

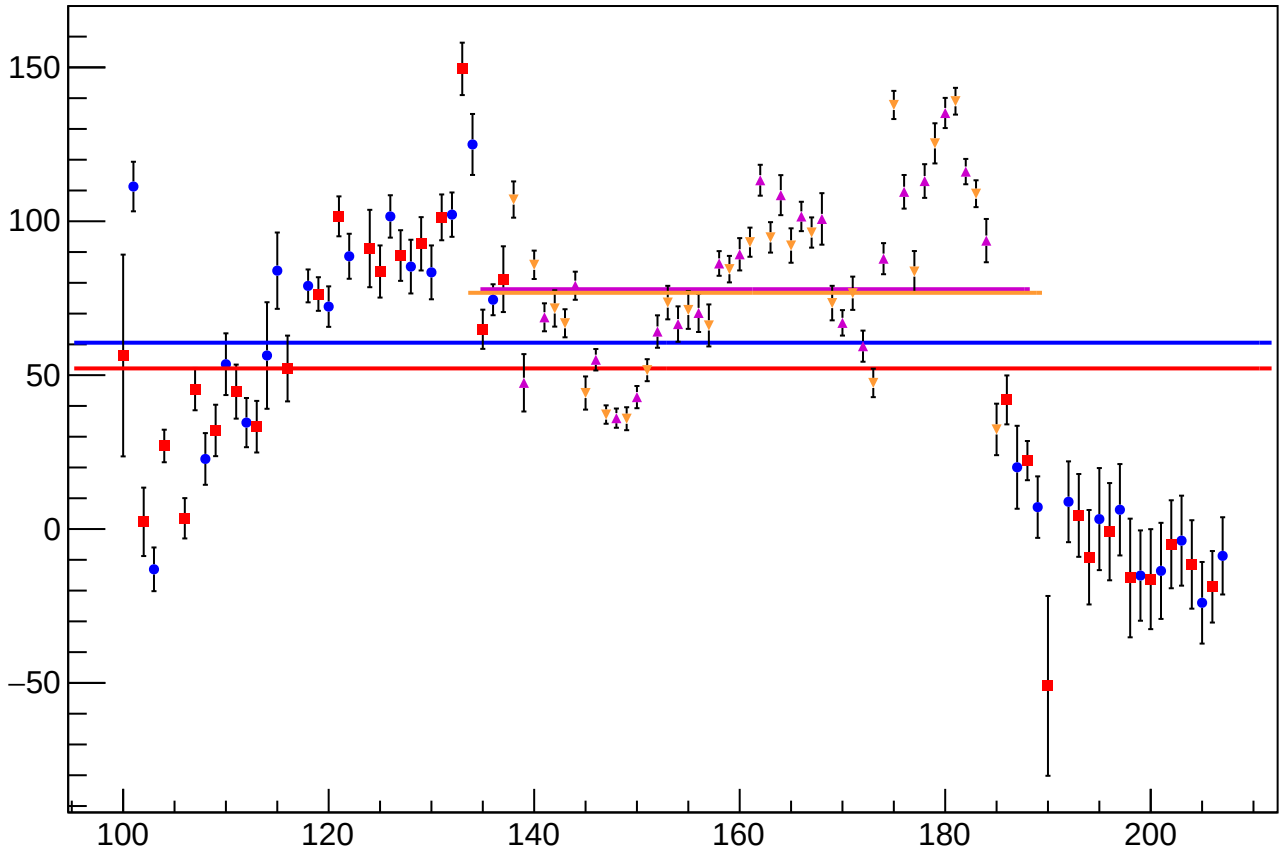
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 385.030+/-0.907 χ^2/NDF: 14900.8/55

In: 342.587+/-0.893 χ^2/NDF:9021.7/48

Out: 348.092+/-0.822 χ^2/NDF:14828.6/54

All: 345.565+/-0.605 χ^2/NDF: 23870.9/103



Right In: 60.545+/-1.733 χ^2/NDF: 563.6/25

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

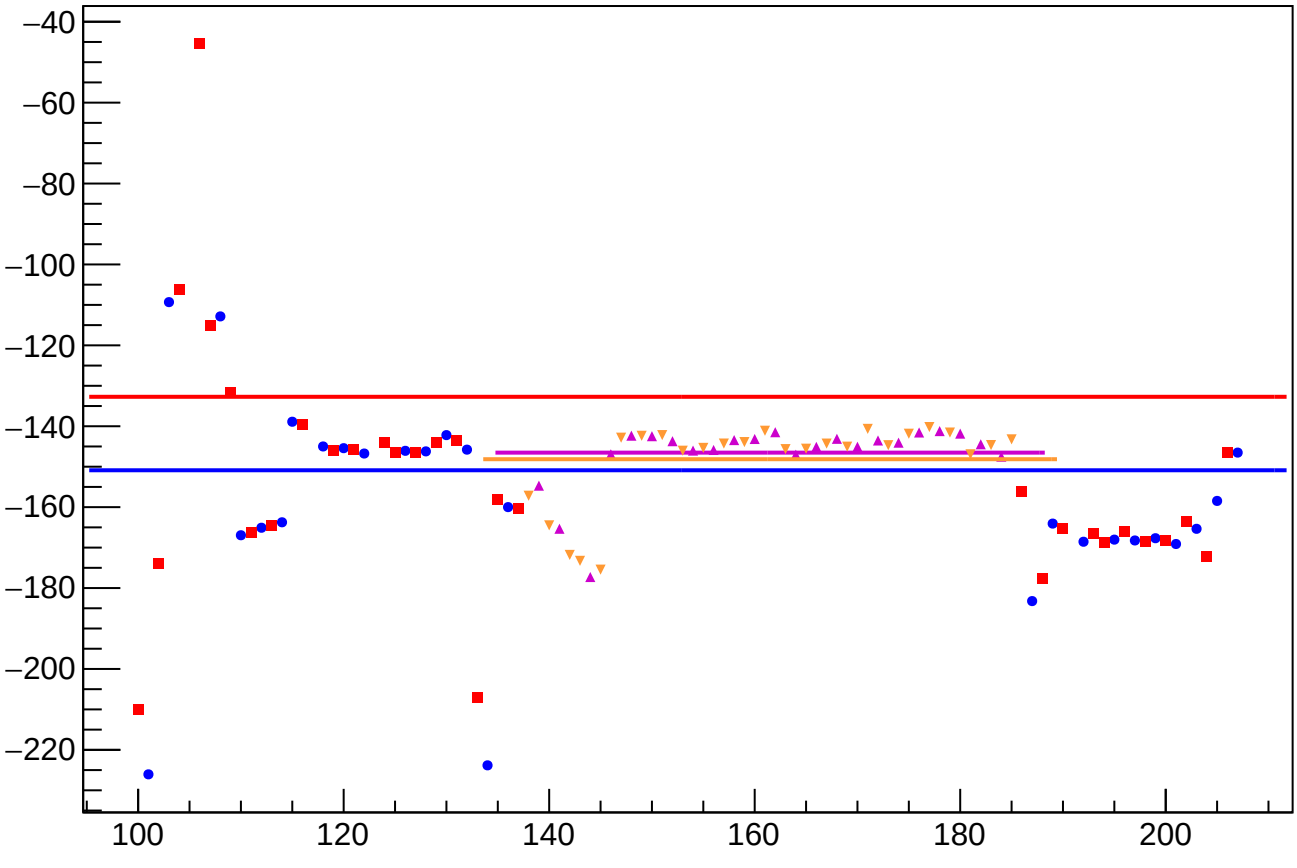
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 56.039+/-1.177 χ^2/NDF: 1194.4/55

In: 73.604+/-0.864 χ^2/NDF:1423.0/48

Out: 70.202+/-0.828 χ^2/NDF:1826.0/54

All: 71.829+/-0.598 χ^2/NDF: 3257.1/103



Right In: -150.882+/-0.083 χ^2/NDF: 146209.9/25

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

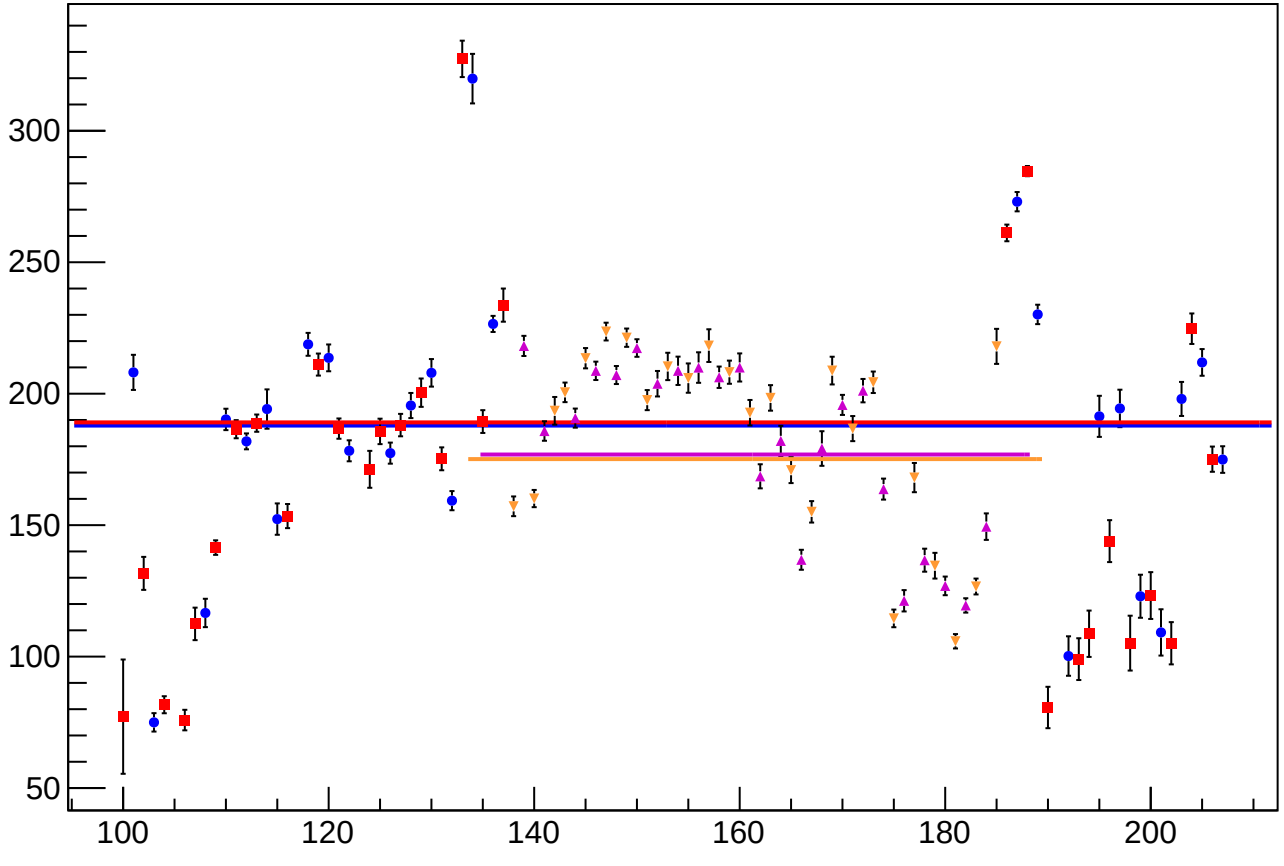
Right: -140.925+/-0.056 χ^2/NDF: 520538.7/55

In: -147.526+/-0.040 χ^2/NDF:177489.5/48

Out: -144.103+/-0.039 χ^2/NDF:427889.4/54

All: -145.761+/-0.028 χ^2/NDF: 609160.4/103

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 187.881+/-0.923 χ^2/NDF: 2765.4/25

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

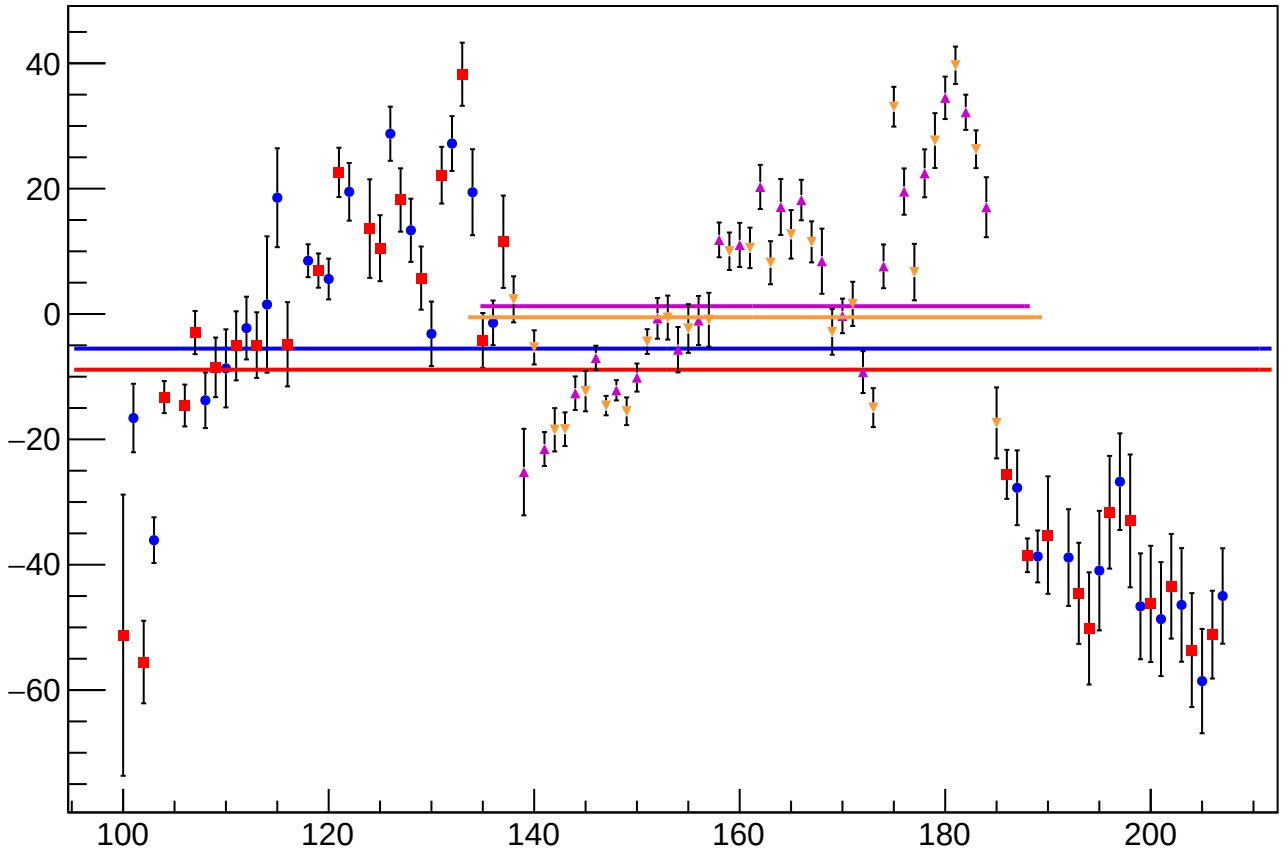
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 188.564+/-0.607 χ^2/NDF: 9491.2/55

In: 181.901+/-0.624 χ^2/NDF:4598.9/48

Out: 182.235+/-0.576 χ^2/NDF:9166.9/54

All: 182.082+/-0.423 χ^2/NDF: 13765.9/103



Right In: -5.523+/-0.990 χ^2/NDF: 557.9/25

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

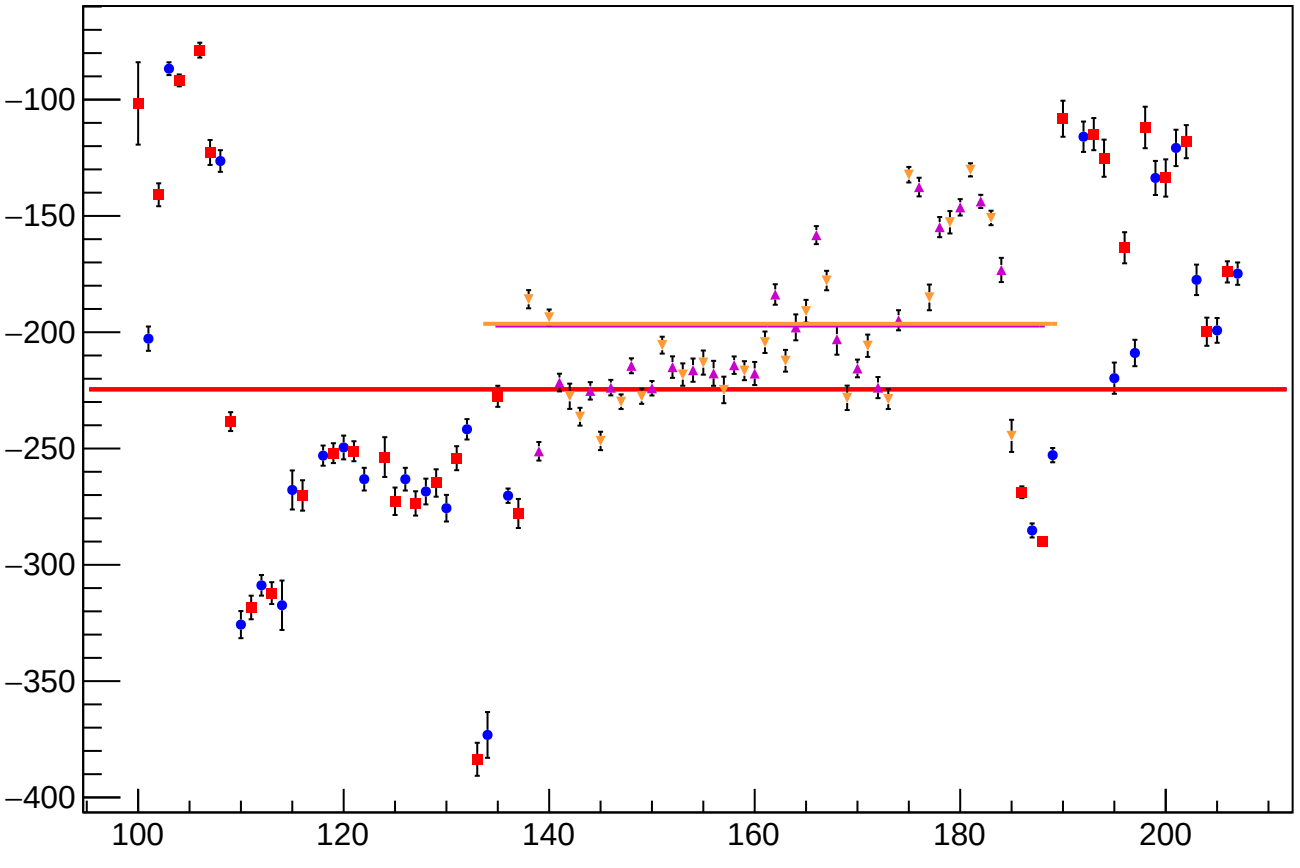
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -7.406+/-0.657 χ^2/NDF: 1222.1/55

In: -0.687+/-0.529 χ^2/NDF:1211.9/48

Out: -3.192+/-0.496 χ^2/NDF:1444.1/54

All: -2.020+/-0.362 χ^2/NDF: 2667.9/103



Right In: -224.592+/-0.931 χ^2/NDF: 5825.2/25

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

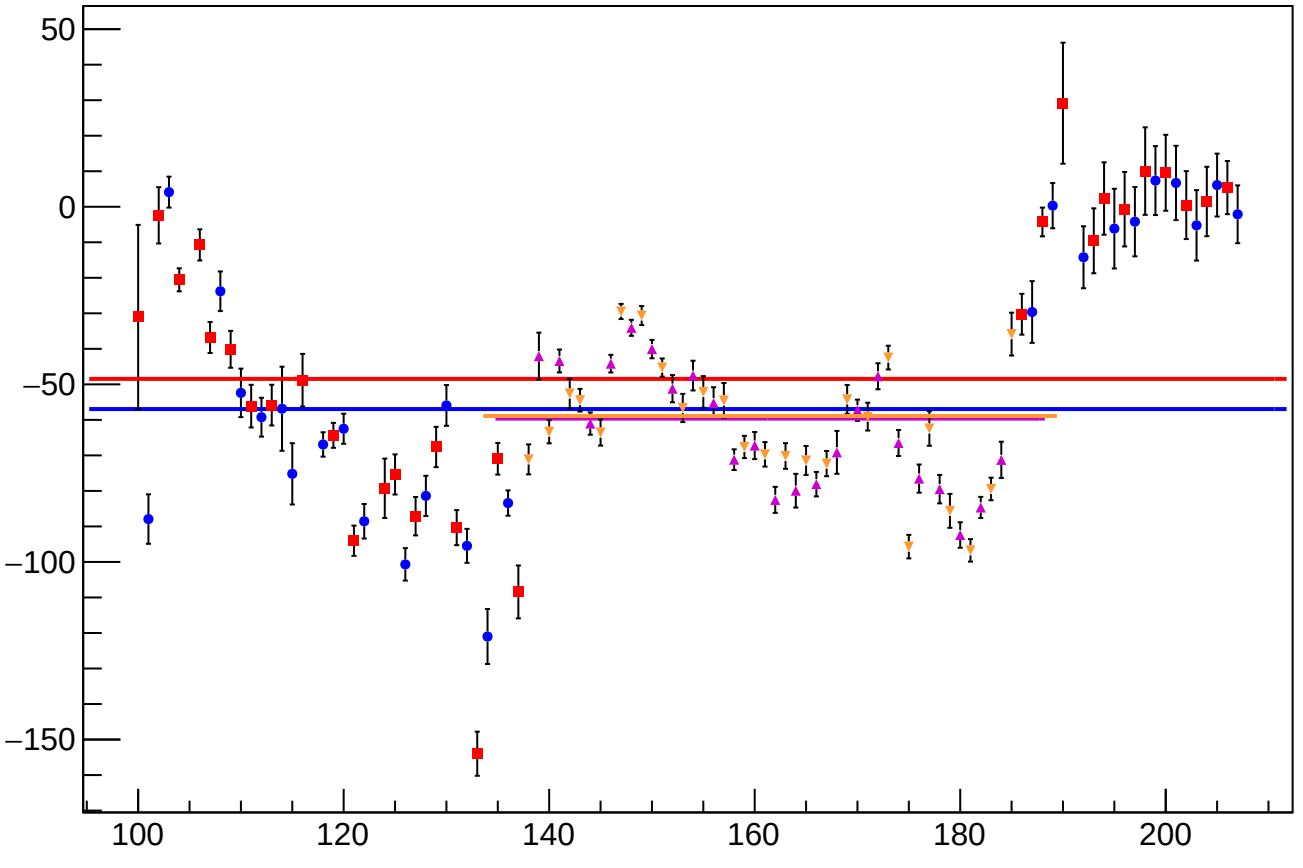
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

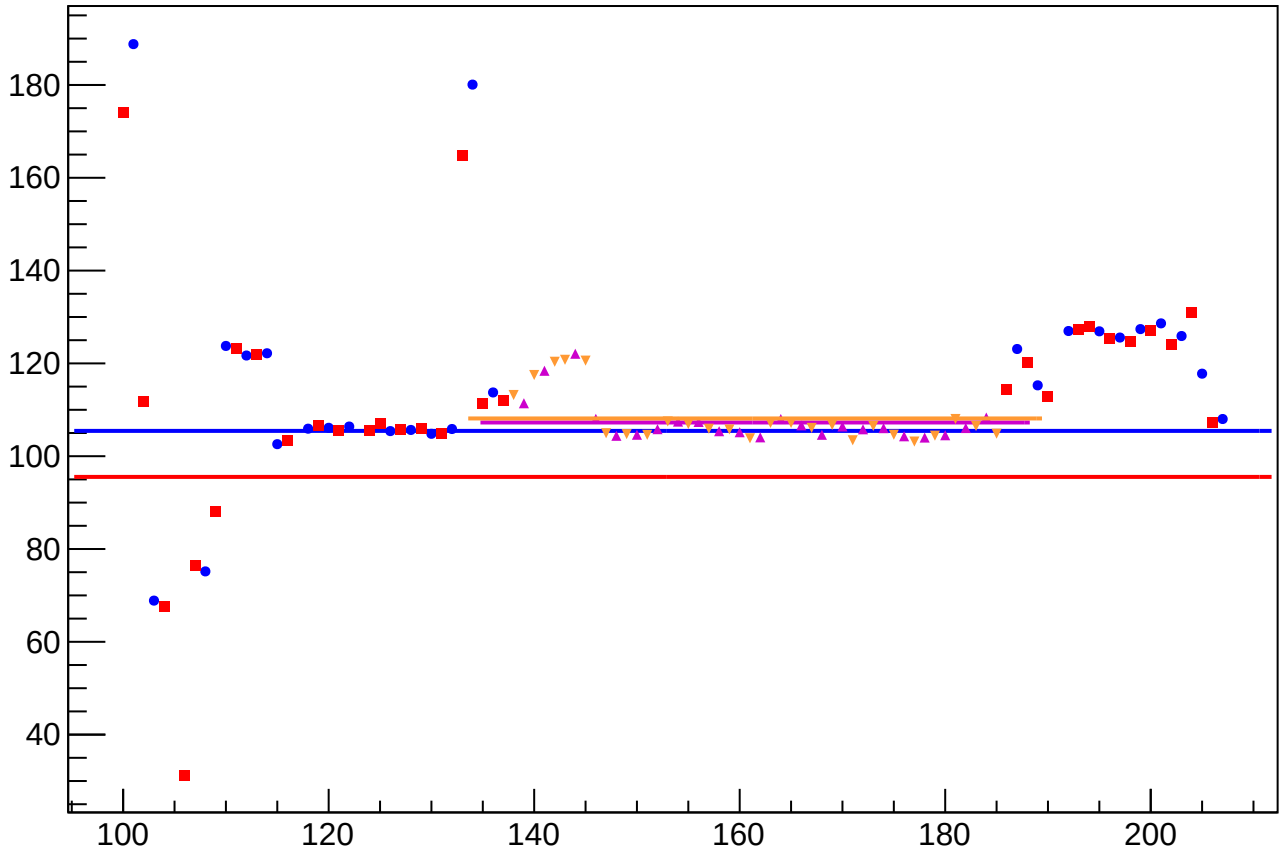
Right: -224.534+/-0.601 χ^2/NDF: 16377.9/55

In: -209.400+/-0.622 χ^2/NDF:7908.0/48

Out: -210.948+/-0.566 χ^2/NDF:13165.8/54

All: -210.247+/-0.419 χ^2/NDF: 21077.2/103


reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: -56.952+/-1.163 χ²/NDF: 976.7/25
Left Out: -58.910+/-0.695 χ²/NDF:782.5/24
Right Out: -48.463+/-1.058 χ²/NDF: 1250.5/29
Left In: -59.637+/-0.718 χ²/NDF:597.0/22
Left: -59.261+/-0.499 χ²/NDF: 1380.0/47
Right: -52.308+/-0.783 χ²/NDF: 2256.4/55
In: -58.896+/-0.611 χ²/NDF:1577.6/48
Out: -55.762+/-0.581 χ²/NDF:2101.1/54
All: -57.249+/-0.421 χ²/NDF: 3692.5/103



Right In: 105.454+/-0.056 χ^2/NDF: 272241.0/25

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

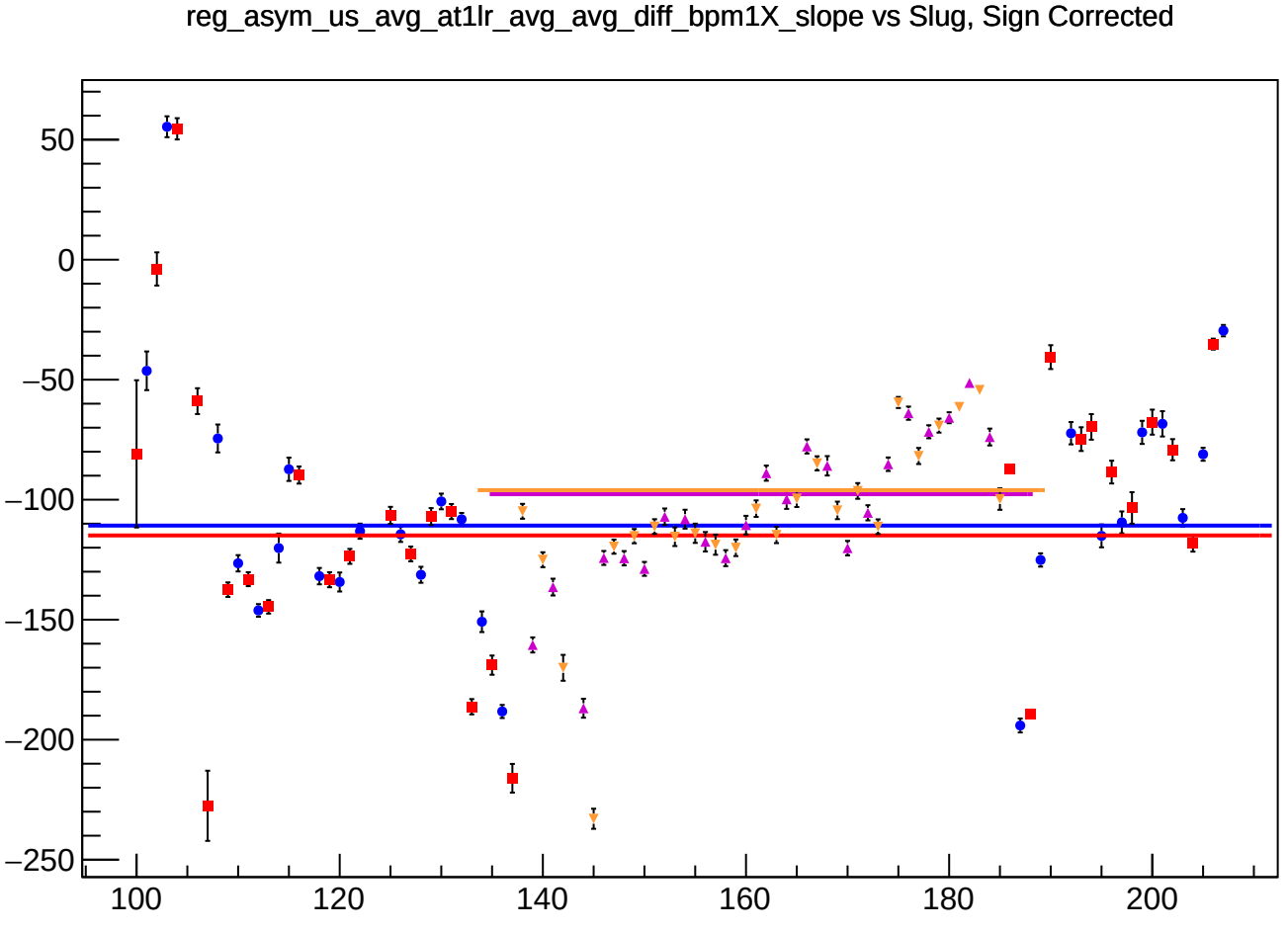
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 100.067+/-0.038 χ^2/NDF: 676580.4/55

In: 106.798+/-0.028 χ^2/NDF:289906.9/48

Out: 104.505+/-0.027 χ^2/NDF:456920.3/54

All: 105.615+/-0.020 χ^2/NDF: 750219.8/103



Right In: -110.798+/-0.687 χ^2/NDF: 5146.3/25

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

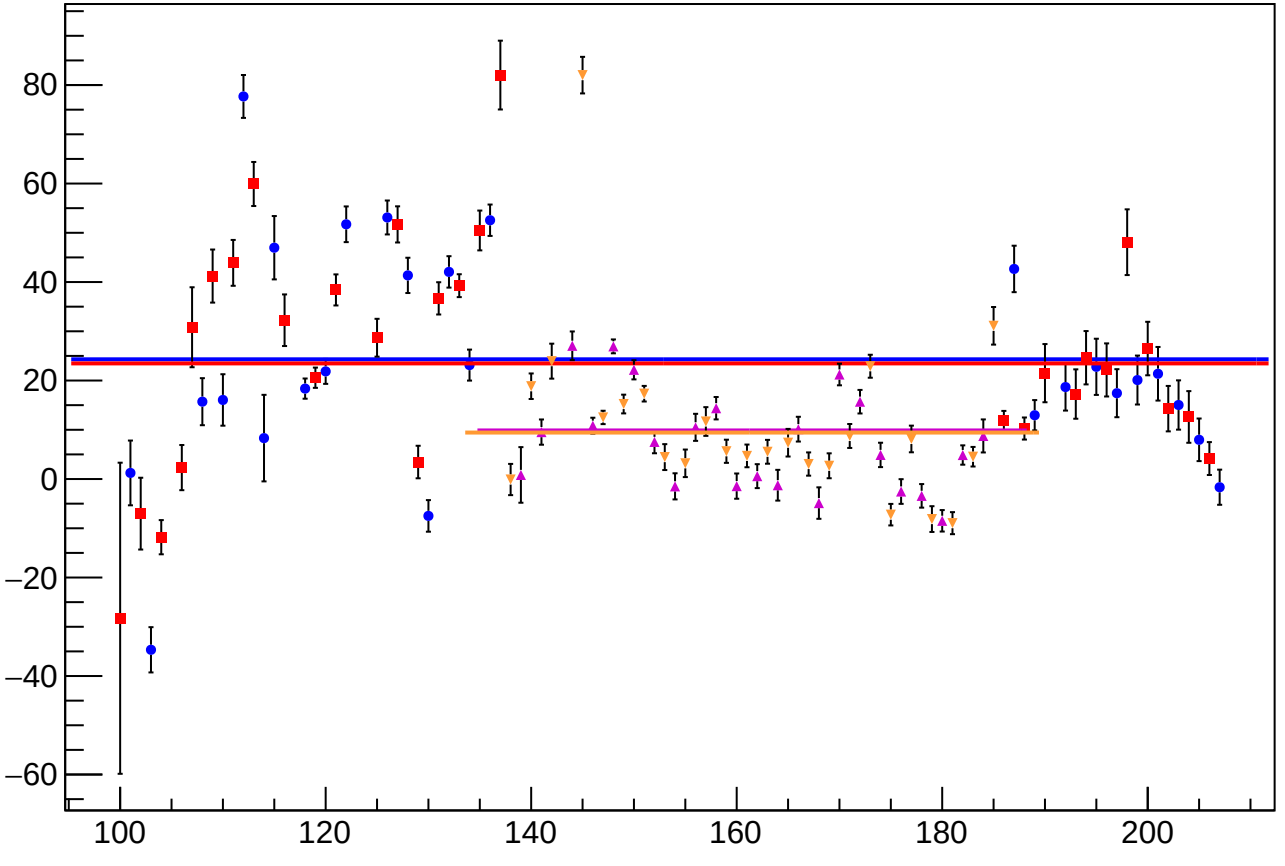
Right: -113.059+/-0.460 χ^2/NDF: 12477.4/54

In: -103.776+/-0.468 χ^2/NDF:7981.7/48

Out: -105.686+/-0.444 χ^2/NDF:10534.7/52

All: -104.782+/-0.322 χ^2/NDF: 18525.3/101

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 24.310+/-0.749 χ^2/NDF: 819.7/25

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

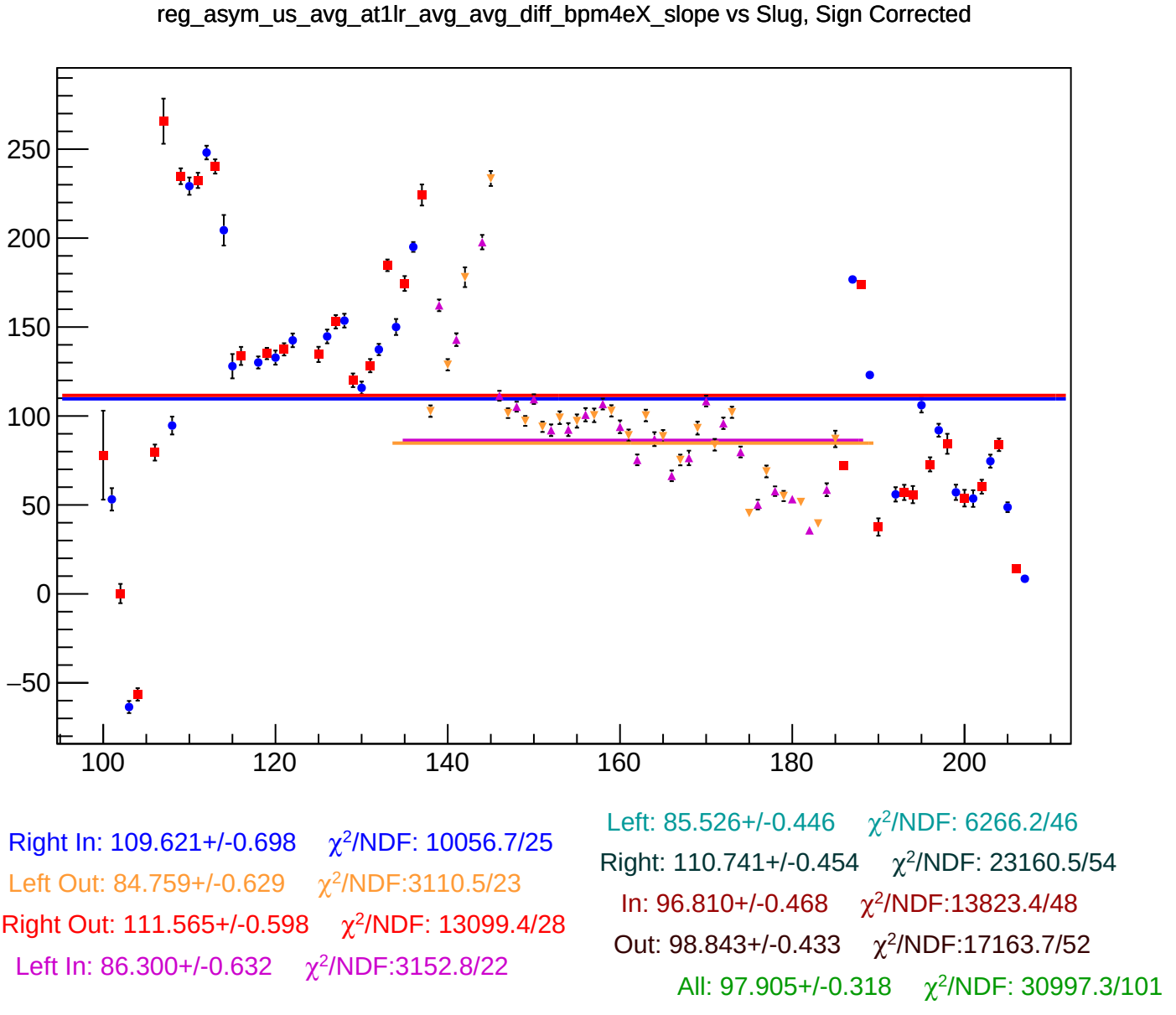
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 23.863+/-0.510 χ^2/NDF: 1489.6/54

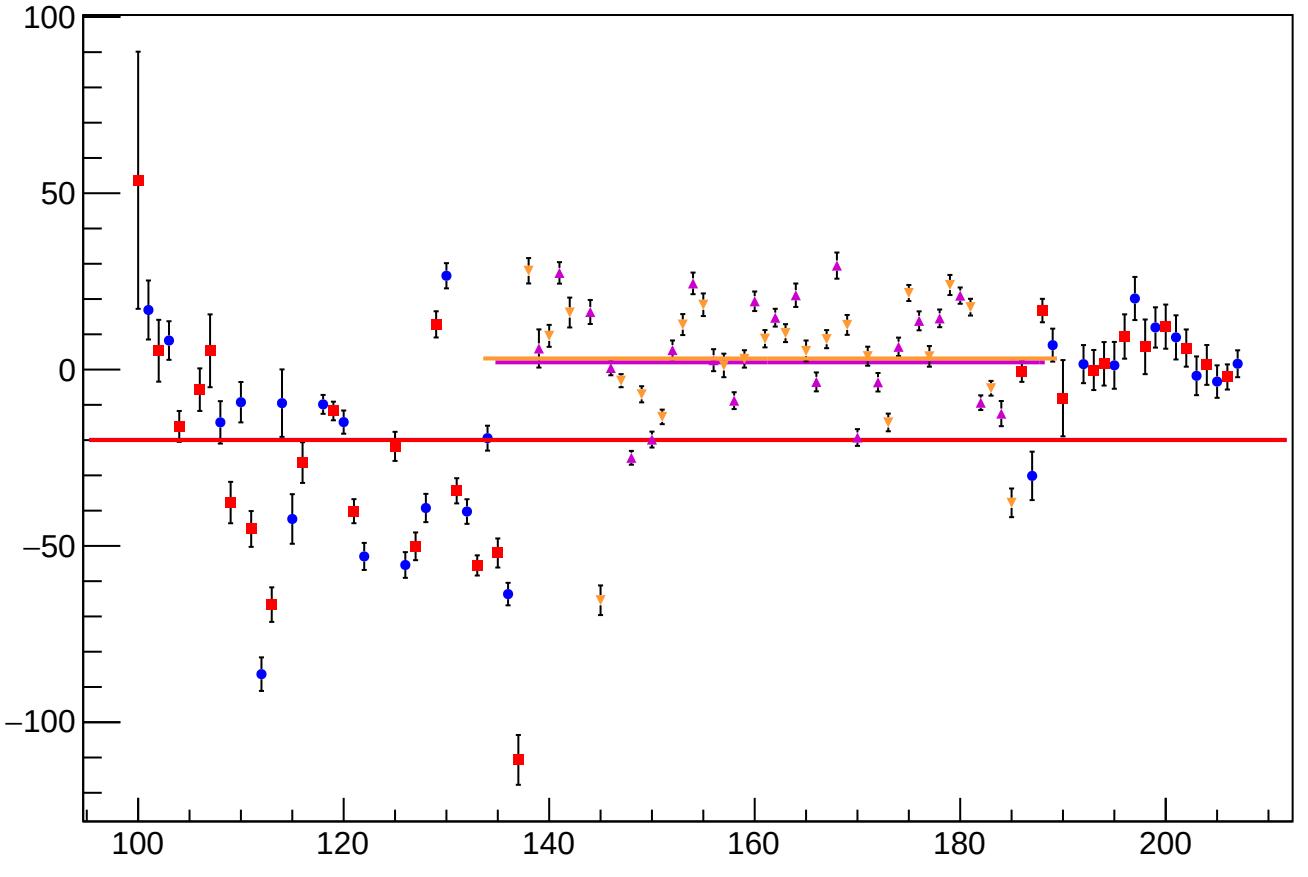
In: 14.150+/-0.408 χ^2/NDF:1566.5/48

Out: 13.947+/-0.394 χ^2/NDF:1682.8/52

All: 14.045+/-0.283 χ^2/NDF: 3249.4/101


reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
250
200
150
100
50
0
−50
100
120
140
160
180
200
Right In: 109.621+/-0.698 χ²/NDF: 10056.7/25
Left Out: 84.759+/-0.629 χ²/NDF:3110.5/23
Right Out: 111.565+/-0.598 χ²/NDF: 13099.4/28
Left In: 86.300+/-0.632 χ²/NDF:3152.8/22
Left: 85.526+/-0.446 χ²/NDF: 6266.2/46
Right: 110.741+/-0.454 χ²/NDF: 23160.5/54
In: 96.810+/-0.468 χ²/NDF:13823.4/48
Out: 98.843+/-0.433 χ²/NDF:17163.7/52
All: 97.905+/-0.318 χ²/NDF: 30997.3/101

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -19.935+/-0.873 χ^2/NDF: 1068.9/25

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

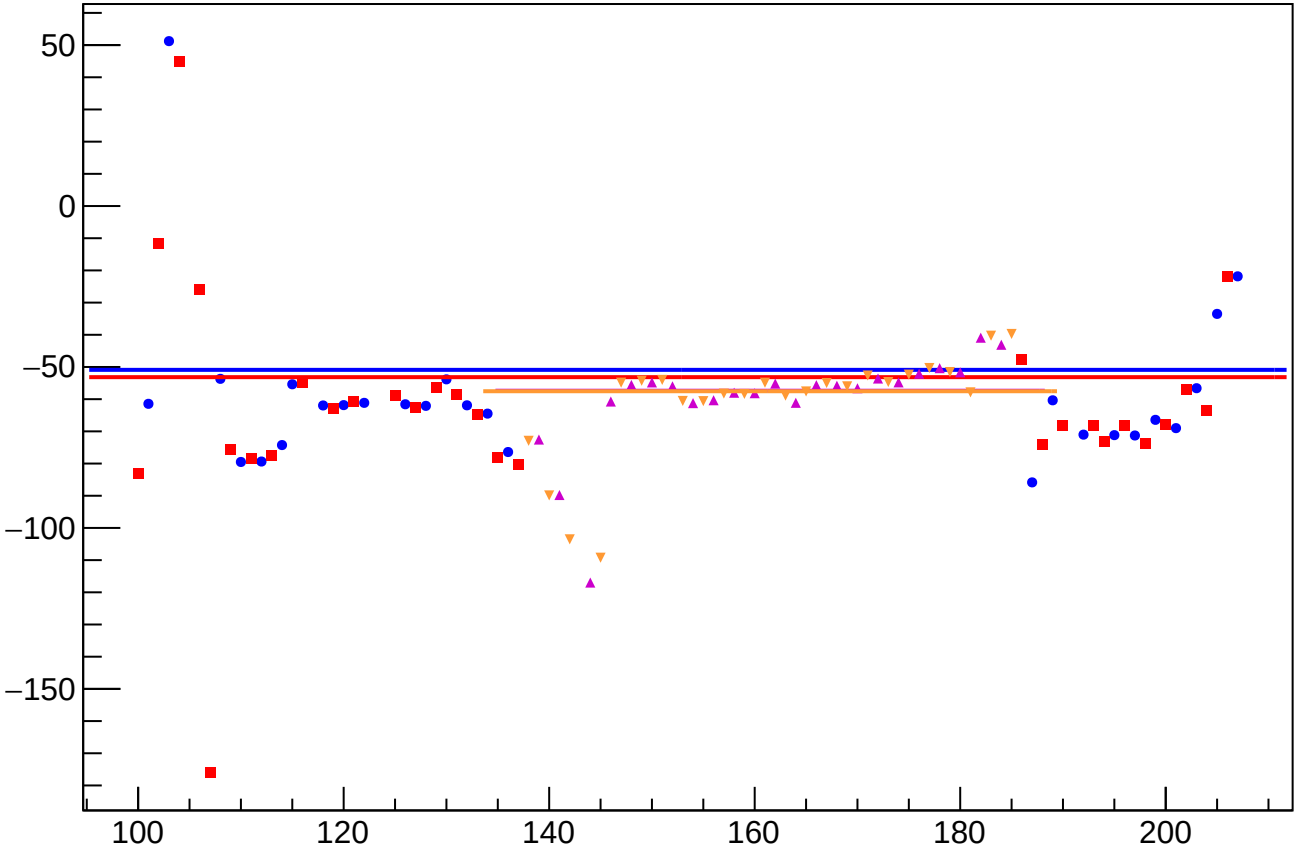
Right: -19.965+/-0.604 χ^2/NDF: 2111.2/54

In: -4.216+/-0.466 χ^2/NDF:2373.4/48

Out: -3.723+/-0.456 χ^2/NDF:2394.2/52

All: -3.964+/-0.326 χ^2/NDF: 4768.3/101

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -50.891+/-0.042 χ^2/NDF: 697153.6/25

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

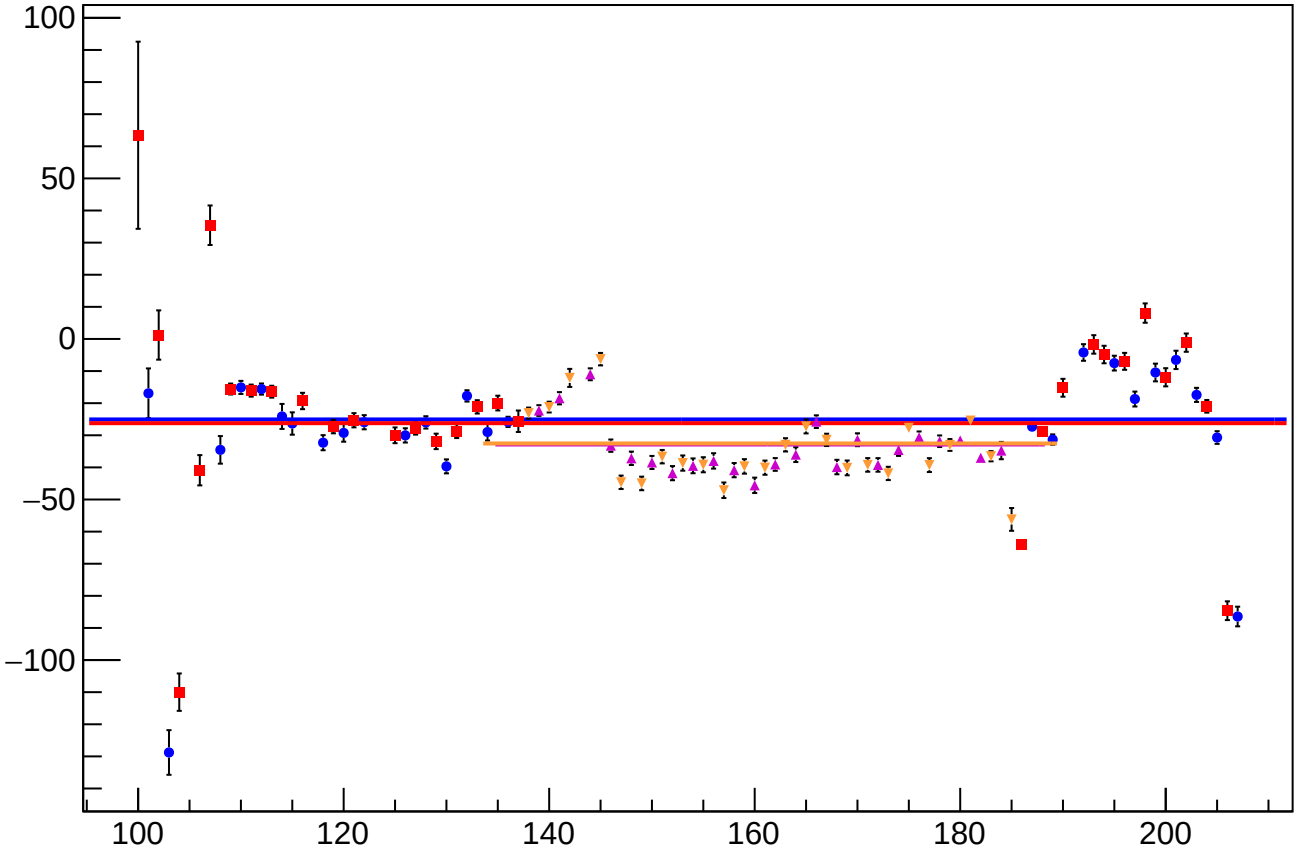
Right: -52.044+/-0.030 χ^2/NDF: 1318251.5/54

In: -55.724+/-0.021 χ^2/NDF:941781.5/48

Out: -56.390+/-0.021 χ^2/NDF:894809.0/52

All: -56.058+/-0.015 χ^2/NDF: 1837077.9/101

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.065+/-0.443 χ^2/NDF: 1004.5/25

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

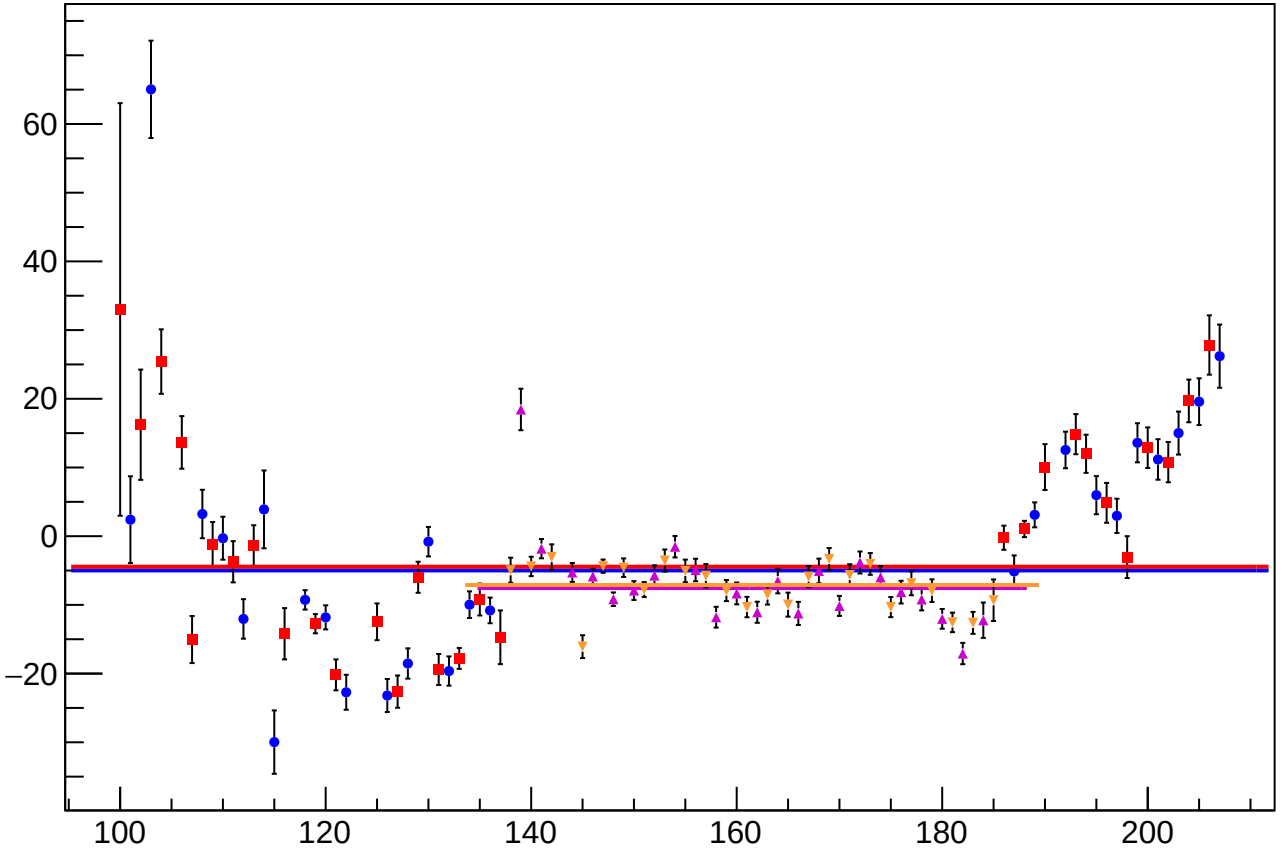
Right: -25.701+/-0.299 χ^2/NDF: 3035.5/54

In: -29.258+/-0.302 χ^2/NDF:1544.1/48

Out: -29.375+/-0.287 χ^2/NDF:2752.2/52

All: -29.319+/-0.208 χ^2/NDF: 4296.4/101

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -4.987+/-0.490 χ^2/NDF: 680.5/25

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

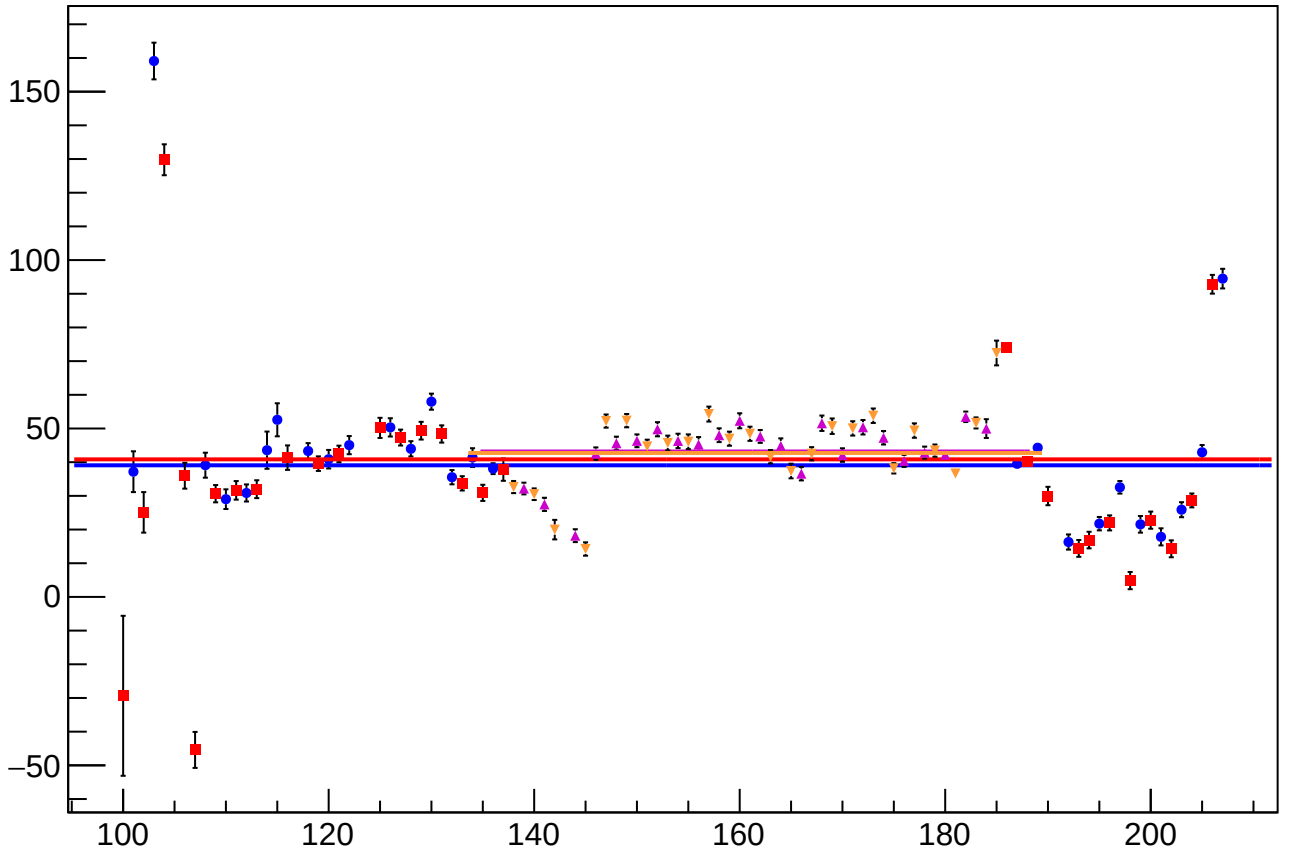
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

Right: -4.697+/-0.336 χ^2/NDF: 1369.1/54

In: -6.797+/-0.265 χ^2/NDF:899.5/48

Out: -6.282+/-0.257 χ^2/NDF:820.6/52

All: -6.531+/-0.184 χ^2/NDF: 1722.1/101



Right In: 39.075+/-0.446 χ^2/NDF: 1339.6/25

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

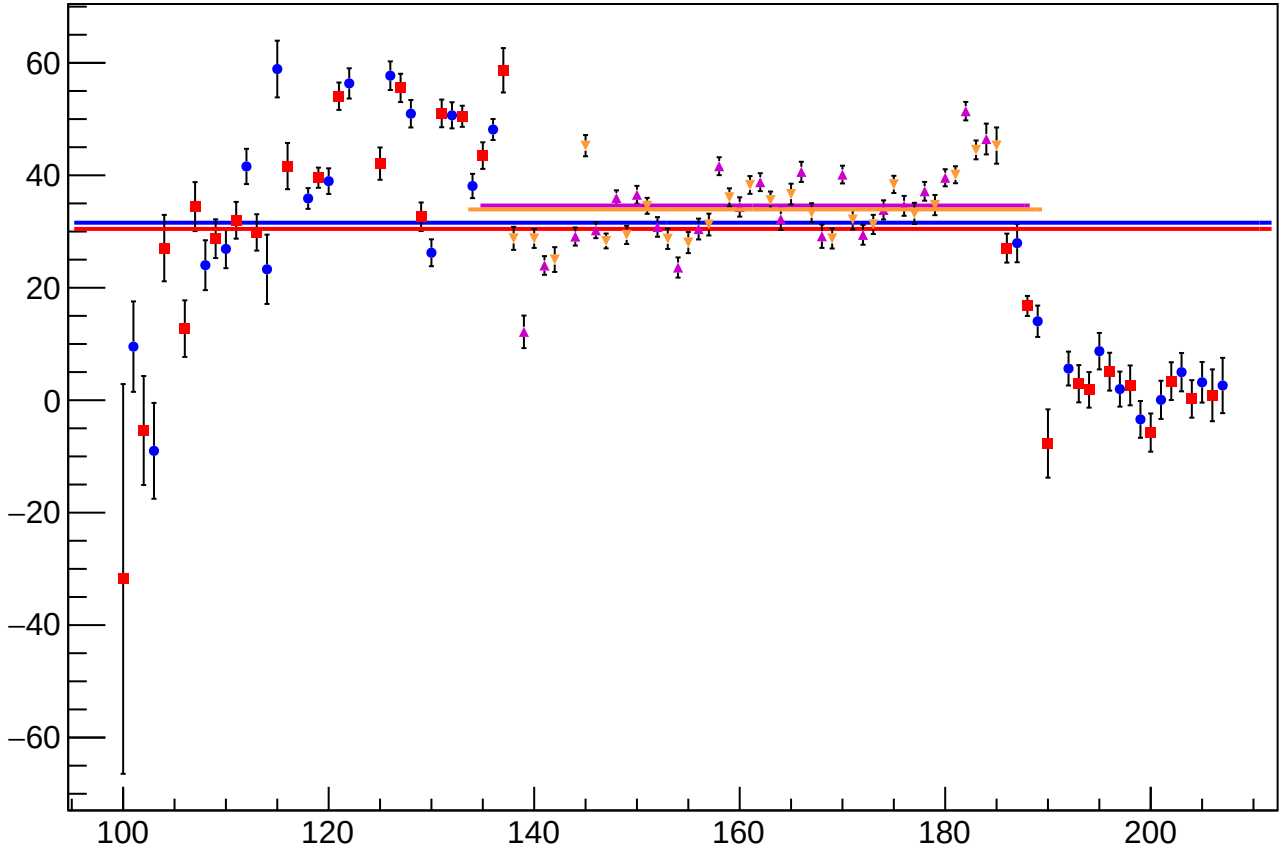
Right: 40.072+/-0.294 χ^2/NDF: 4011.7/54

In: 41.306+/-0.301 χ^2/NDF:1798.7/48

Out: 41.760+/-0.280 χ^2/NDF:3306.3/52

All: 41.549+/-0.205 χ^2/NDF: 5106.2/101

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 31.572+/-0.573 χ^2/NDF: 1118.3/25

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

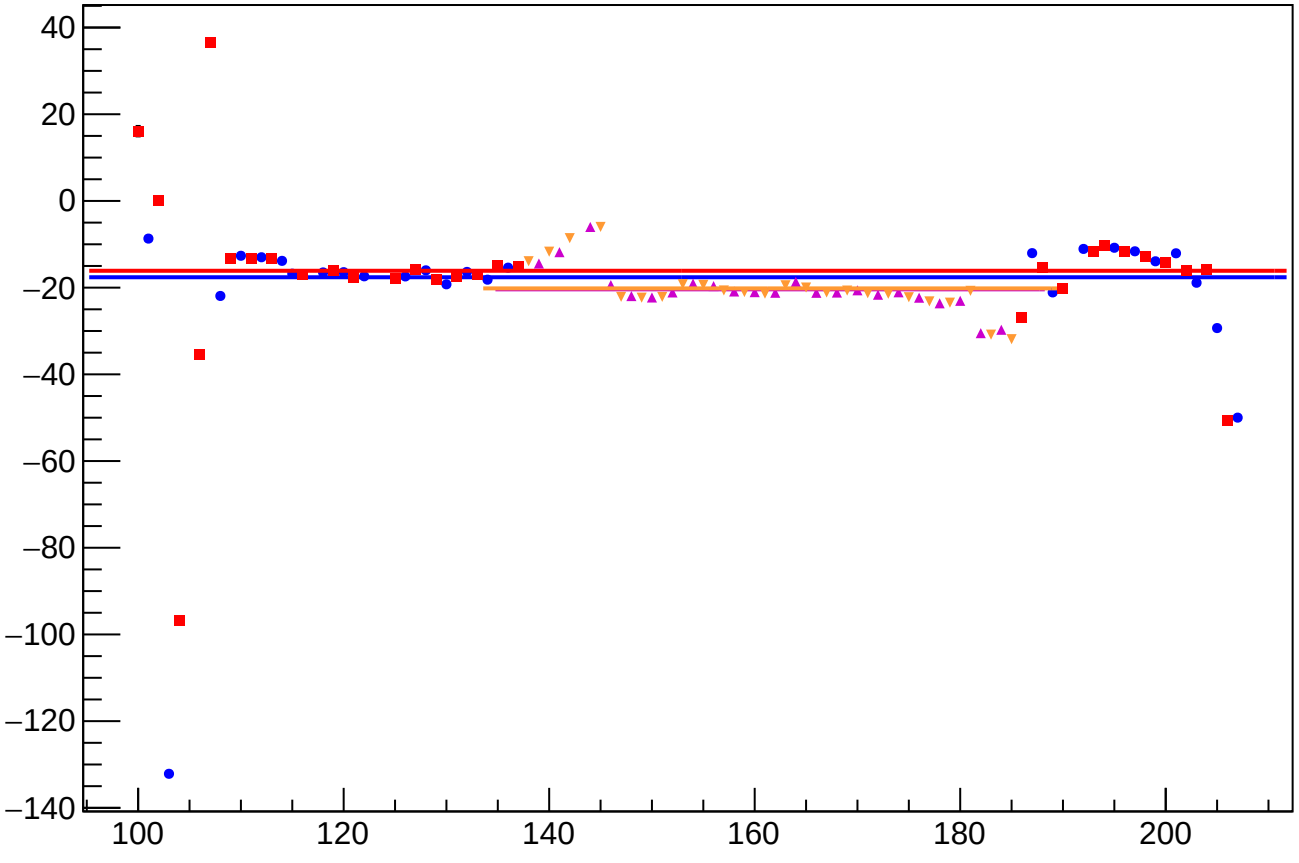
Right: 31.002+/-0.399 χ^2/NDF: 2332.2/54

In: 33.772+/-0.303 χ^2/NDF:1514.8/48

Out: 32.944+/-0.297 χ^2/NDF:1456.2/52

All: 33.350+/-0.212 χ^2/NDF: 2974.9/101

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -17.604+/-0.028 χ^2/NDF: 303682.7/25

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

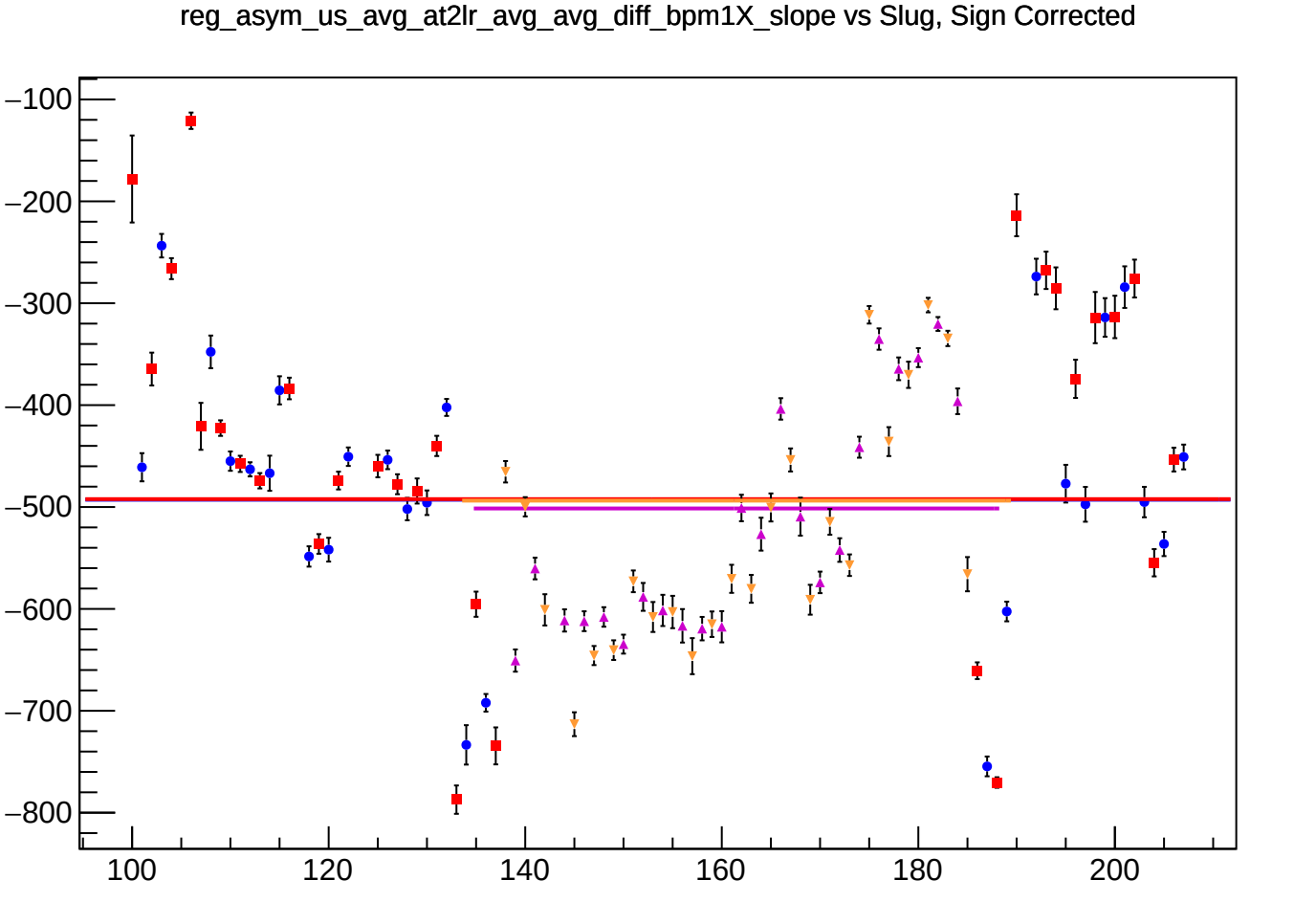
Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

Right: -16.837+/-0.019 χ^2/NDF: 561924.9/54

In: -19.715+/-0.014 χ^2/NDF:392474.5/48

Out: -19.144+/-0.014 χ^2/NDF:373529.5/52

All: -19.427+/-0.010 χ^2/NDF: 766874.3/101



Right In: -492.813+/-2.243 χ^2/NDF: 2778.3/25

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

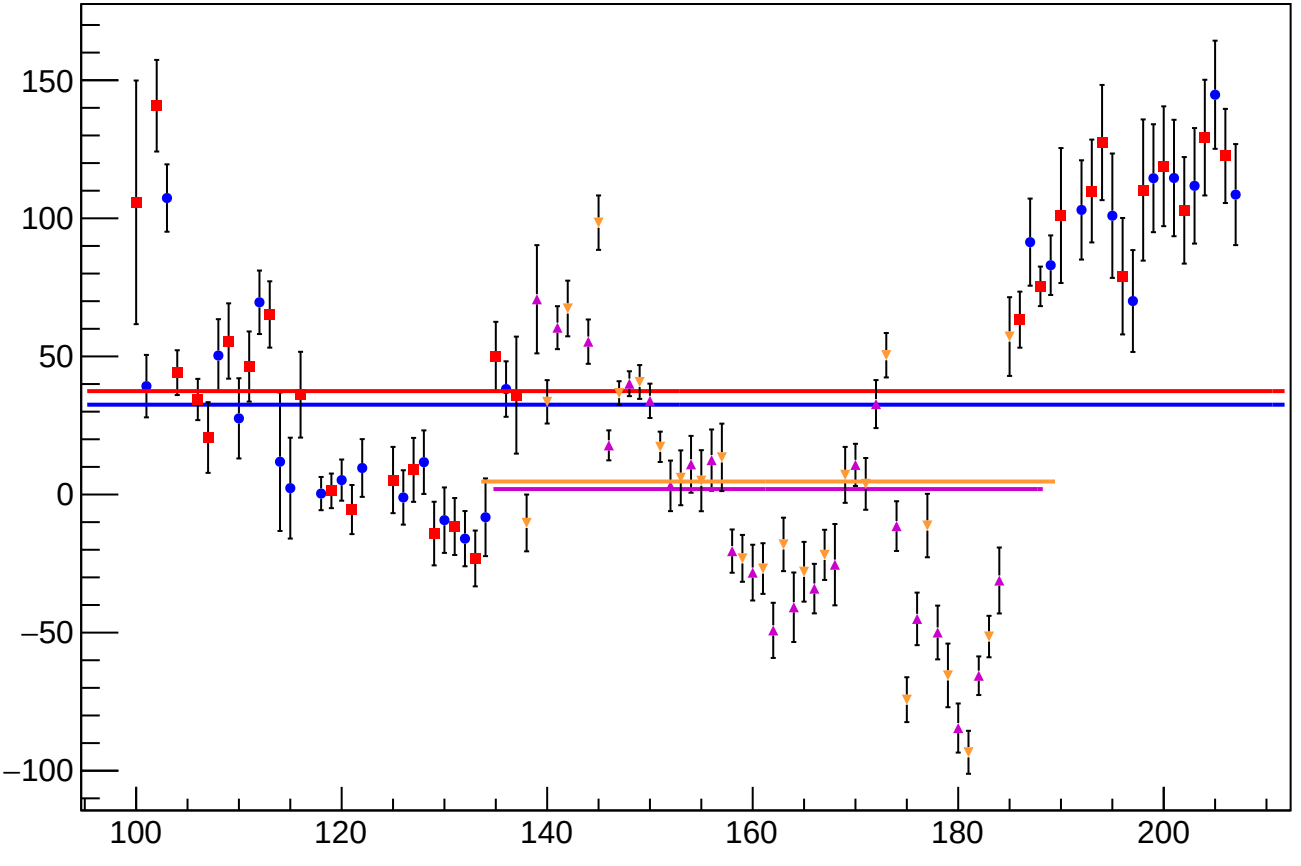
Right: -492.501+/-1.497 χ^2/NDF: 10580.8/54

In: -497.000+/-1.608 χ^2/NDF:5474.7/48

Out: -492.889+/-1.512 χ^2/NDF:10952.8/52

All: -494.819+/-1.102 χ^2/NDF: 16431.0/101

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 32.523+/-2.388 χ^2/NDF: 322.0/25

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

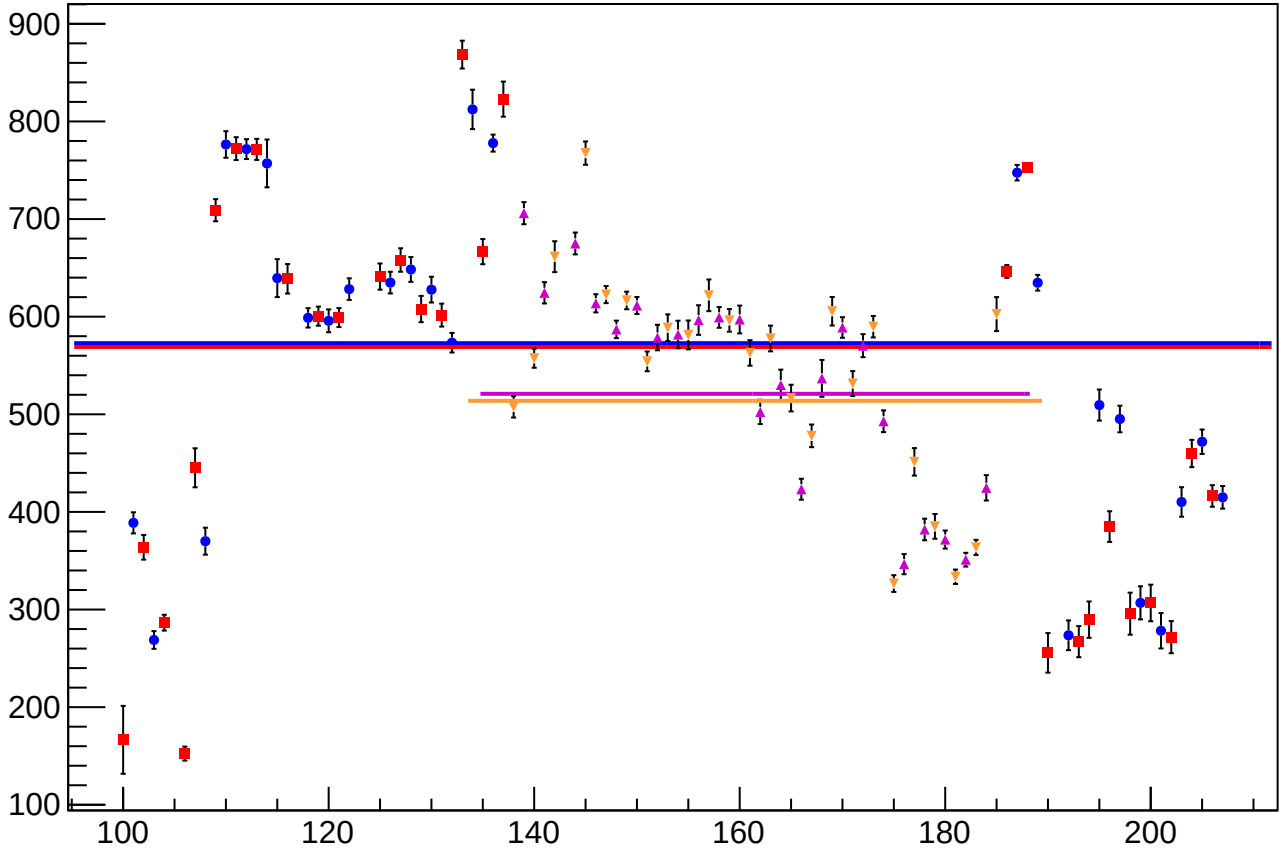
Right: 35.169+/-1.623 χ^2/NDF: 682.0/54

In: 12.419+/-1.397 χ^2/NDF:990.5/48

Out: 16.824+/-1.346 χ^2/NDF:1175.9/52

All: 14.704+/-0.969 χ^2/NDF: 2171.6/101

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 572.867+/-2.319 χ^2/NDF: 4970.8/25

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

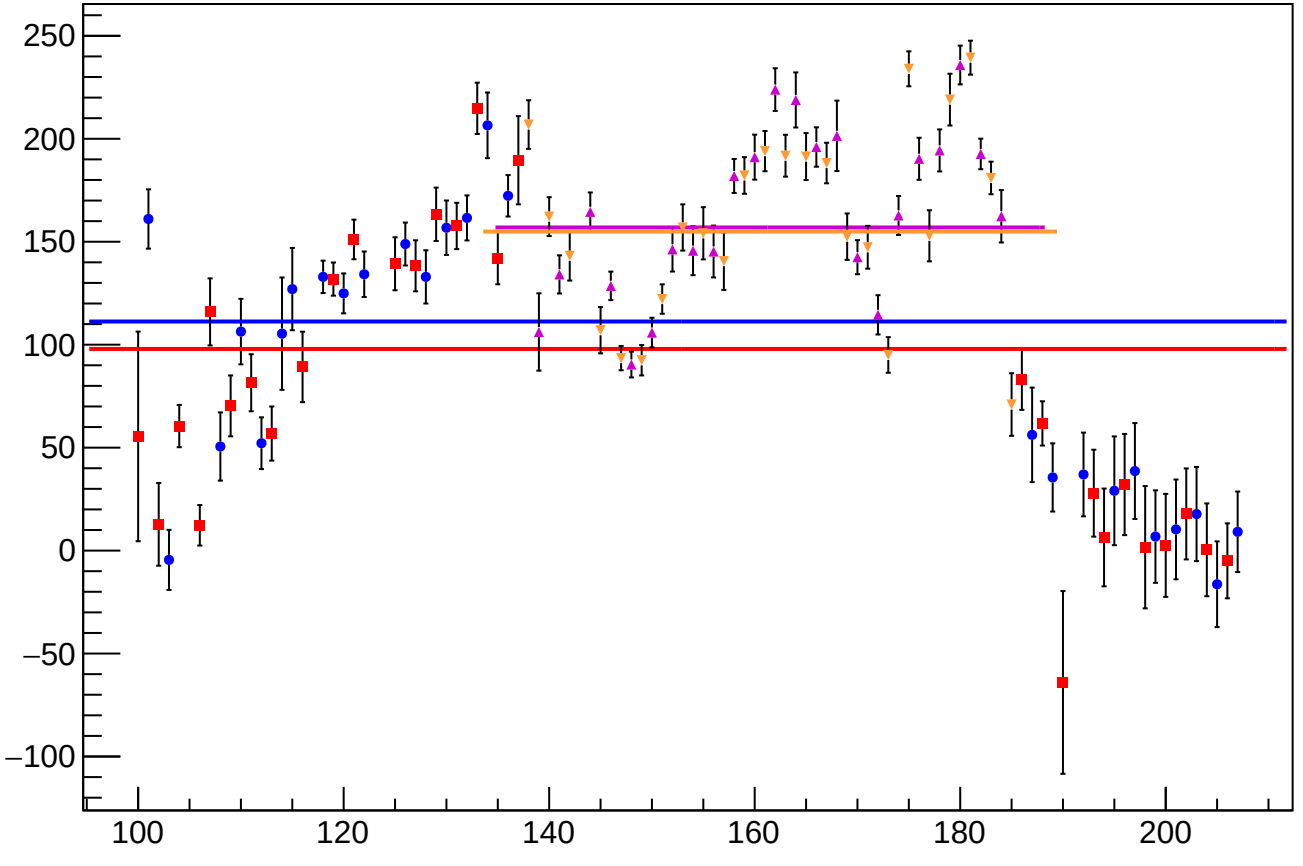
Right: 570.647+/-1.515 χ^2/NDF: 15639.3/54

In: 546.531+/-1.627 χ^2/NDF:7667.7/48

Out: 544.936+/-1.504 χ^2/NDF:13733.3/52

All: 545.671+/-1.104 χ^2/NDF: 21401.6/101

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 111.257+/-2.805 χ^2/NDF: 426.6/25

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

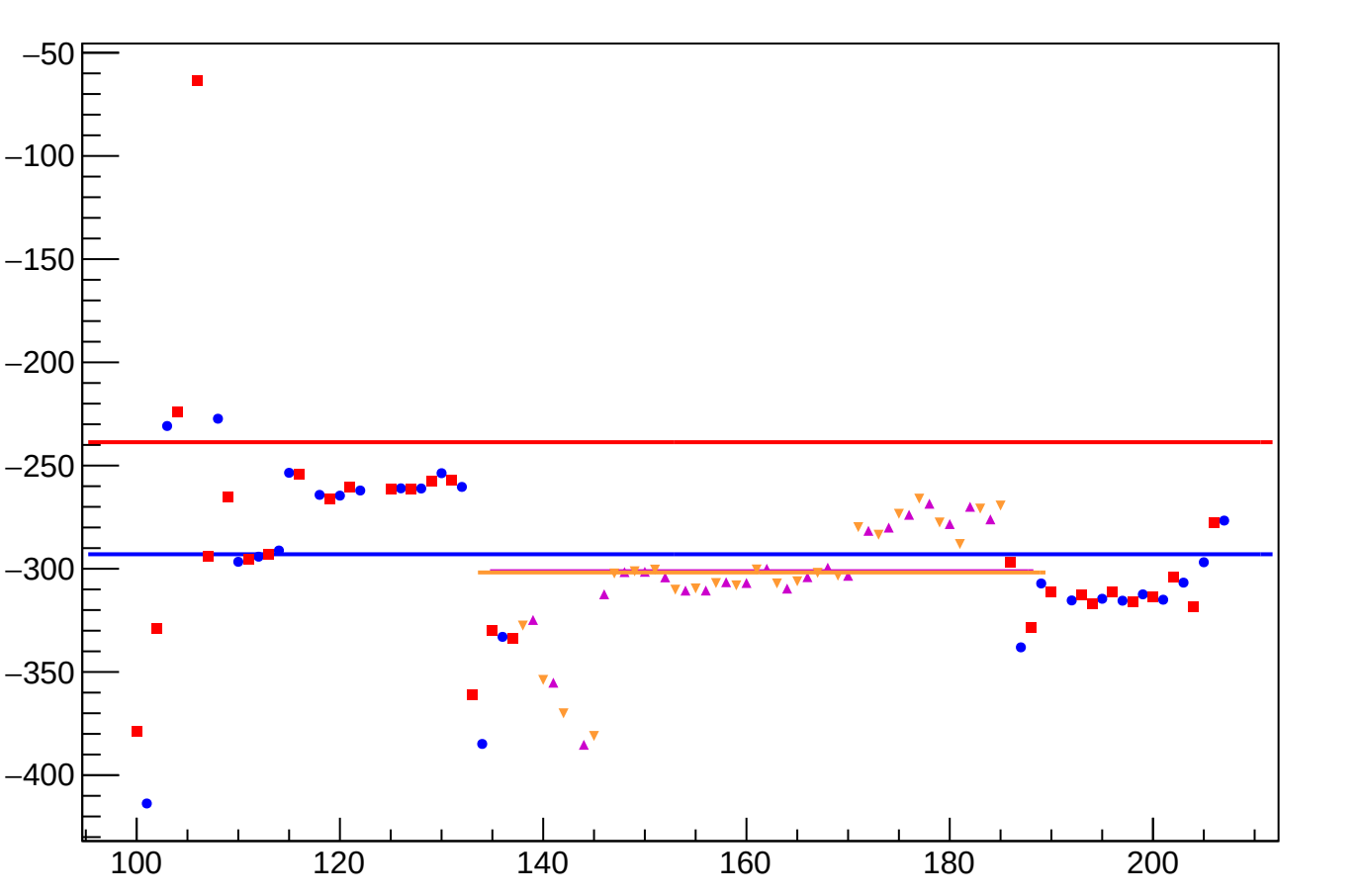
Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

Right: 104.230+/-1.928 χ^2/NDF: 951.3/54

In: 141.832+/-1.613 χ^2/NDF:1047.3/48

Out: 134.915+/-1.573 χ^2/NDF:1421.1/52

All: 138.287+/-1.126 χ^2/NDF: 2477.9/101



Right In: -292.972+/-0.144 χ^2/NDF: 113510.9/25

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

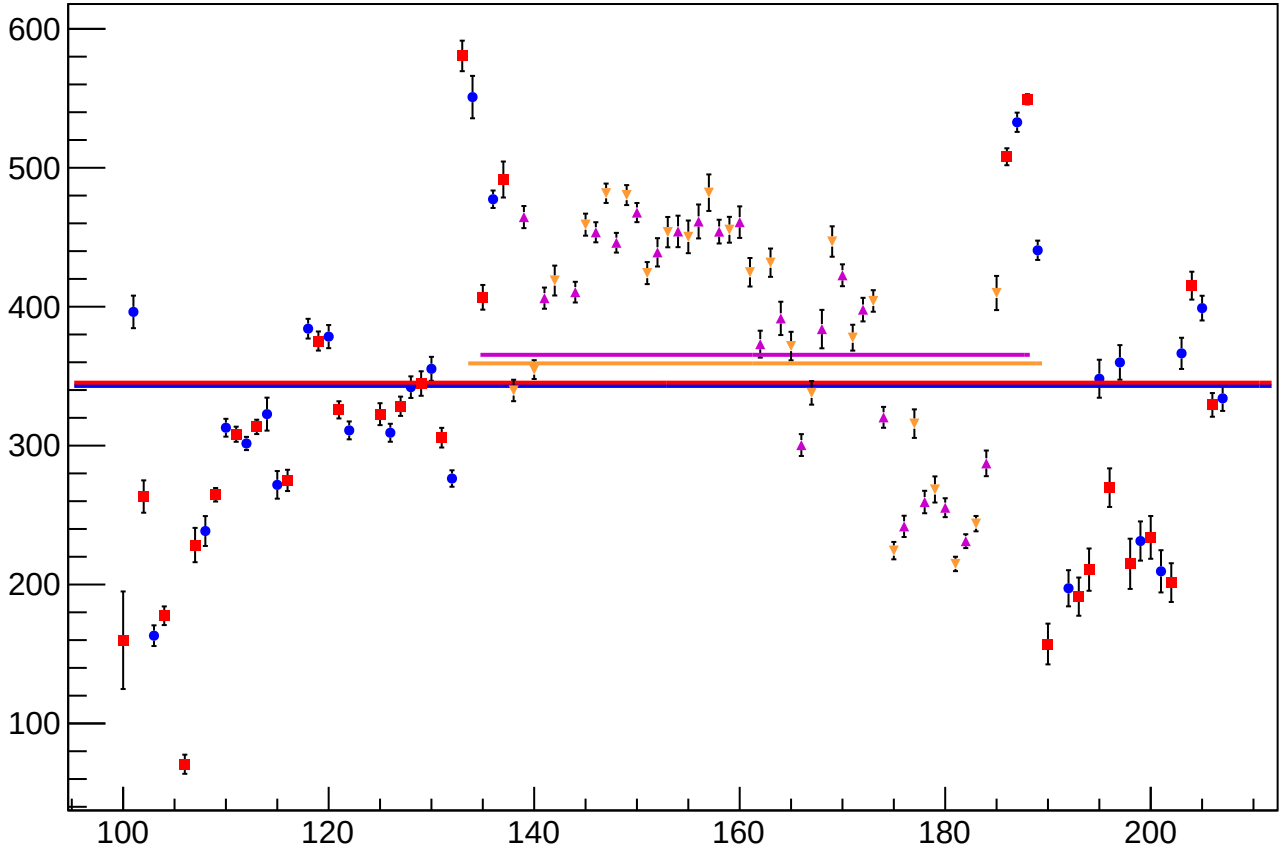
Right: -261.943+/-0.094 χ^2/NDF: 878011.0/54

In: -298.865+/-0.076 χ^2/NDF:191175.2/48

Out: -279.875+/-0.073 χ^2/NDF:937463.1/52

All: -288.997+/-0.053 χ^2/NDF: 1160829.3/10

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 342.984+/-1.598 χ^2/NDF: 2983.2/25

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

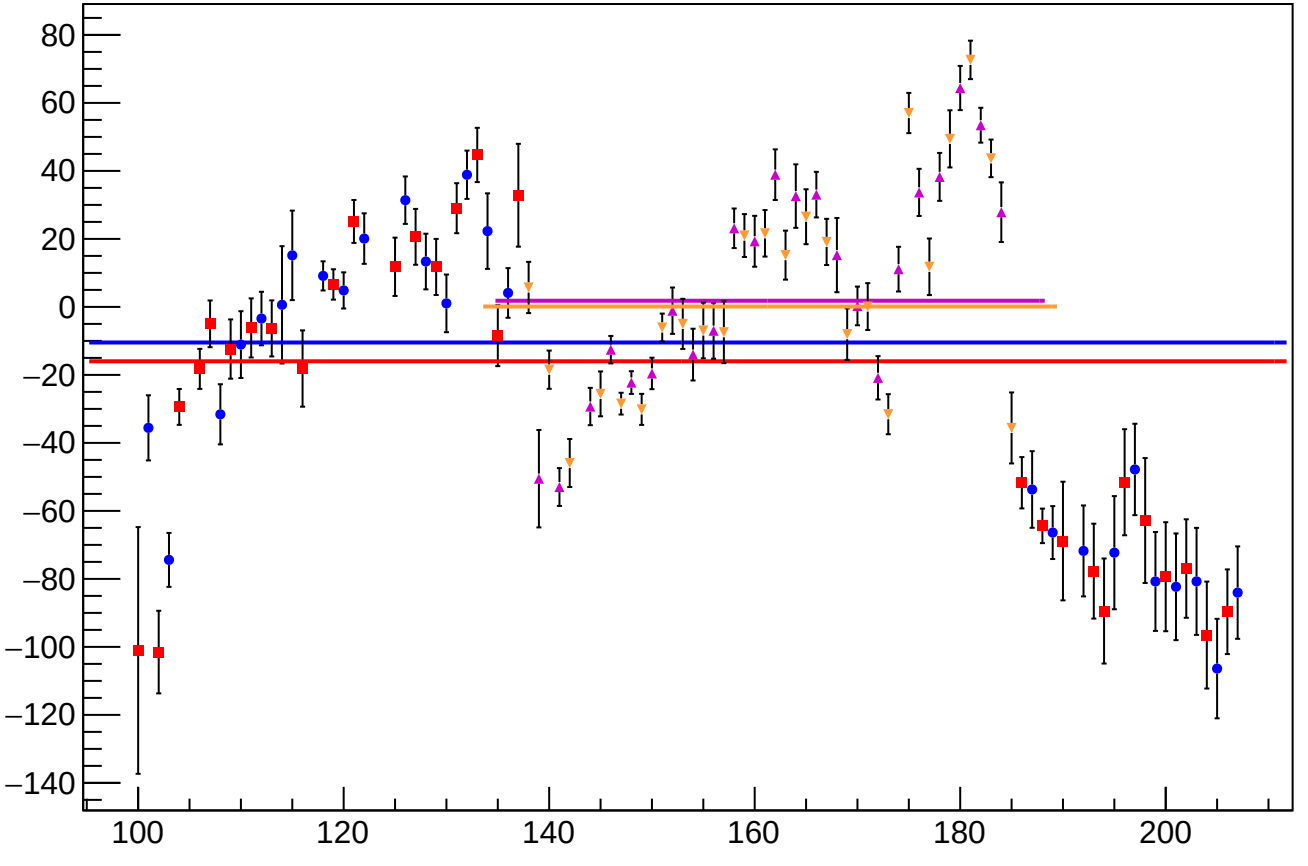
Right: 344.286+/-1.065 χ^2/NDF: 11014.1/54

In: 353.534+/-1.162 χ^2/NDF:5815.1/48

Out: 351.140+/-1.089 χ^2/NDF:11257.0/52

All: 352.259+/-0.794 χ^2/NDF: 17074.4/101

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -10.469+/-1.712 χ^2/NDF: 481.4/25

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

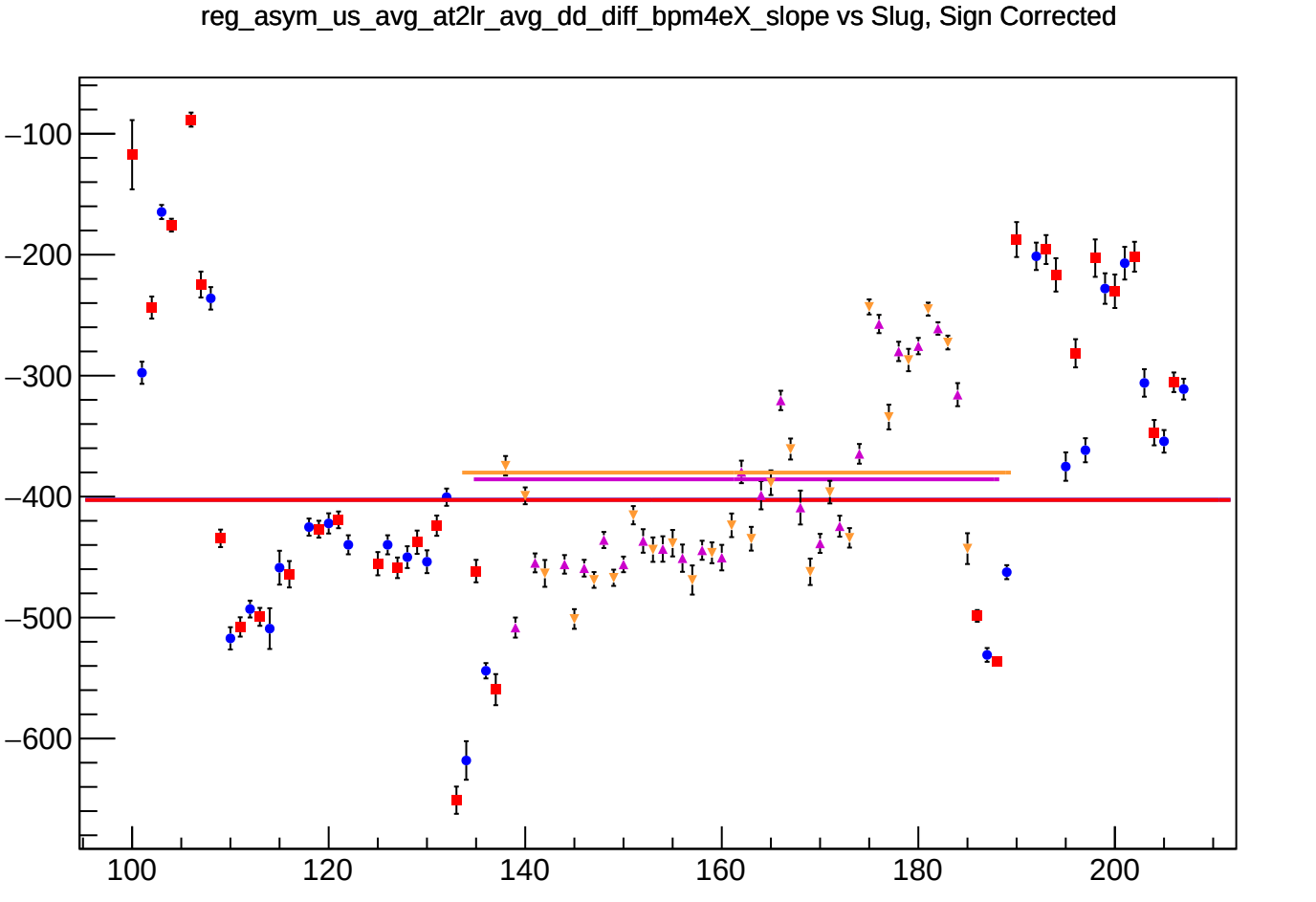
Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

Right: -13.473+/-1.156 χ^2/NDF: 1041.2/54

In: -2.535+/-1.018 χ^2/NDF:1091.6/48

Out: -6.127+/-0.976 χ^2/NDF:1256.8/52

All: -4.407+/-0.705 χ^2/NDF: 2354.9/101



Right In: -402.584+/-1.660 χ^2/NDF: 4852.2/25

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

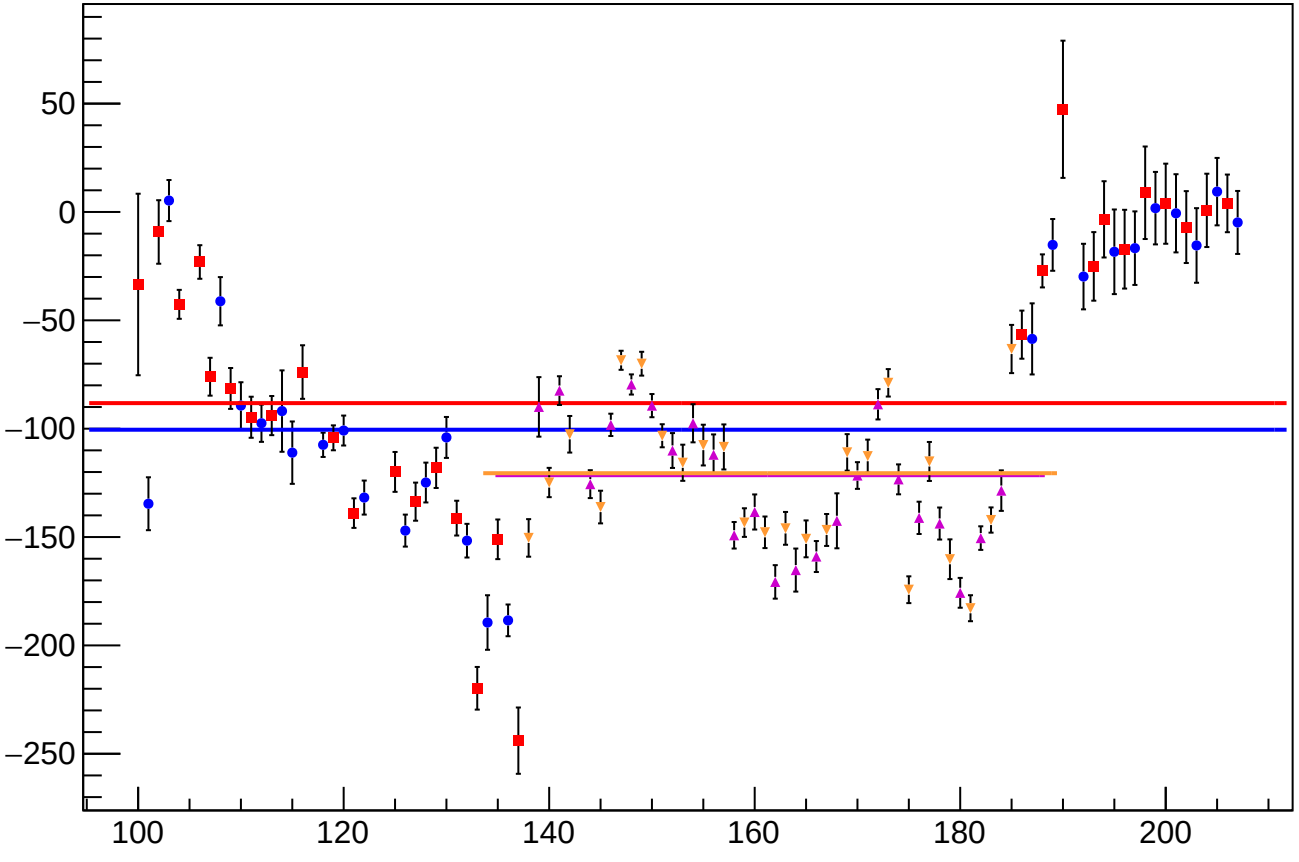
Right: -402.708+/-1.084 χ^2/NDF: 15506.0/54

In: -394.239+/-1.180 χ^2/NDF:7264.4/48

Out: -393.207+/-1.086 χ^2/NDF:13378.7/52

All: -393.680+/-0.799 χ^2/NDF: 20643.5/101

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -100.480+/-2.009 χ^2/NDF: 771.6/25

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

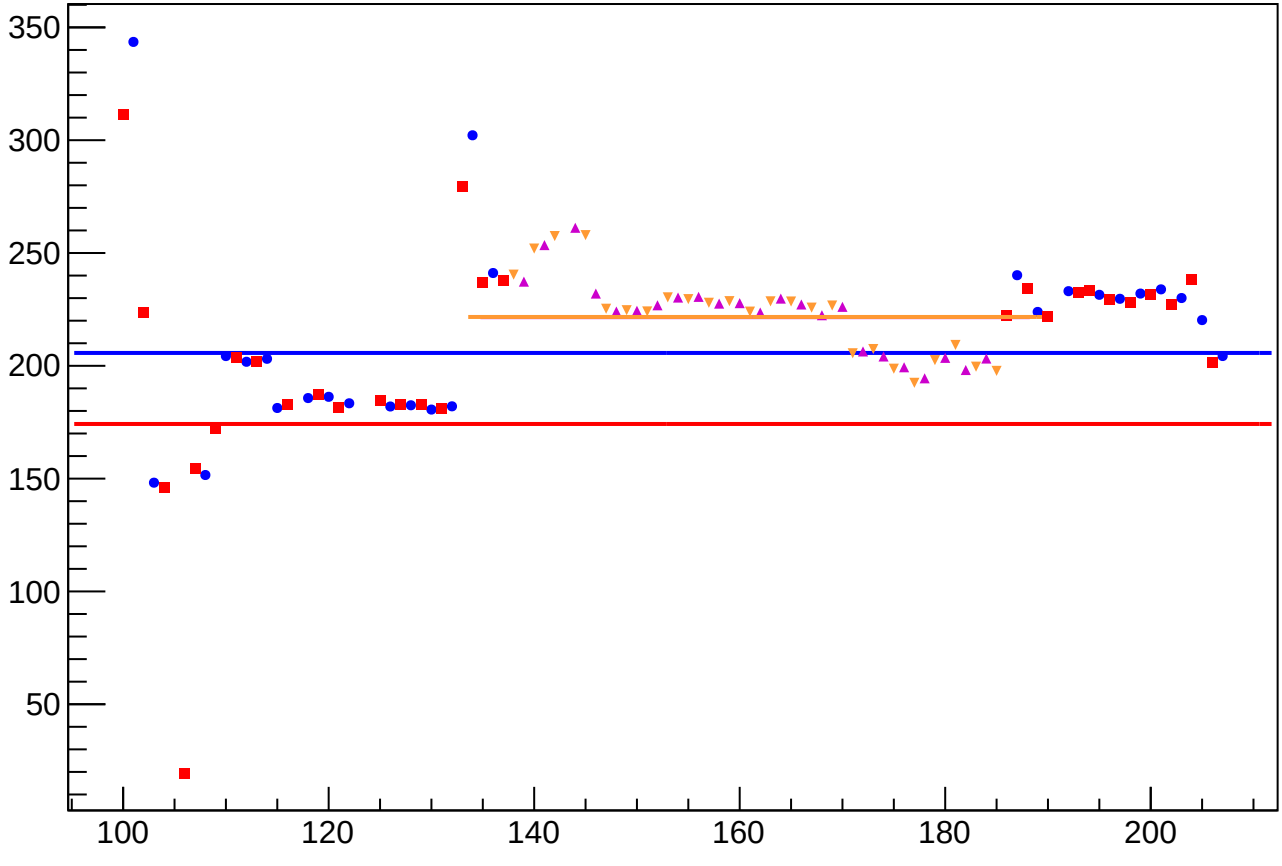
Right: -93.932+/-1.372 χ^2/NDF: 1719.5/54

In: -114.272+/-1.176 χ^2/NDF:1275.9/48

Out: -108.626+/-1.141 χ^2/NDF:1726.5/52

All: -111.364+/-0.819 χ^2/NDF: 3014.3/101

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 205.706+/-0.103 χ^2/NDF: 201105.0/25

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

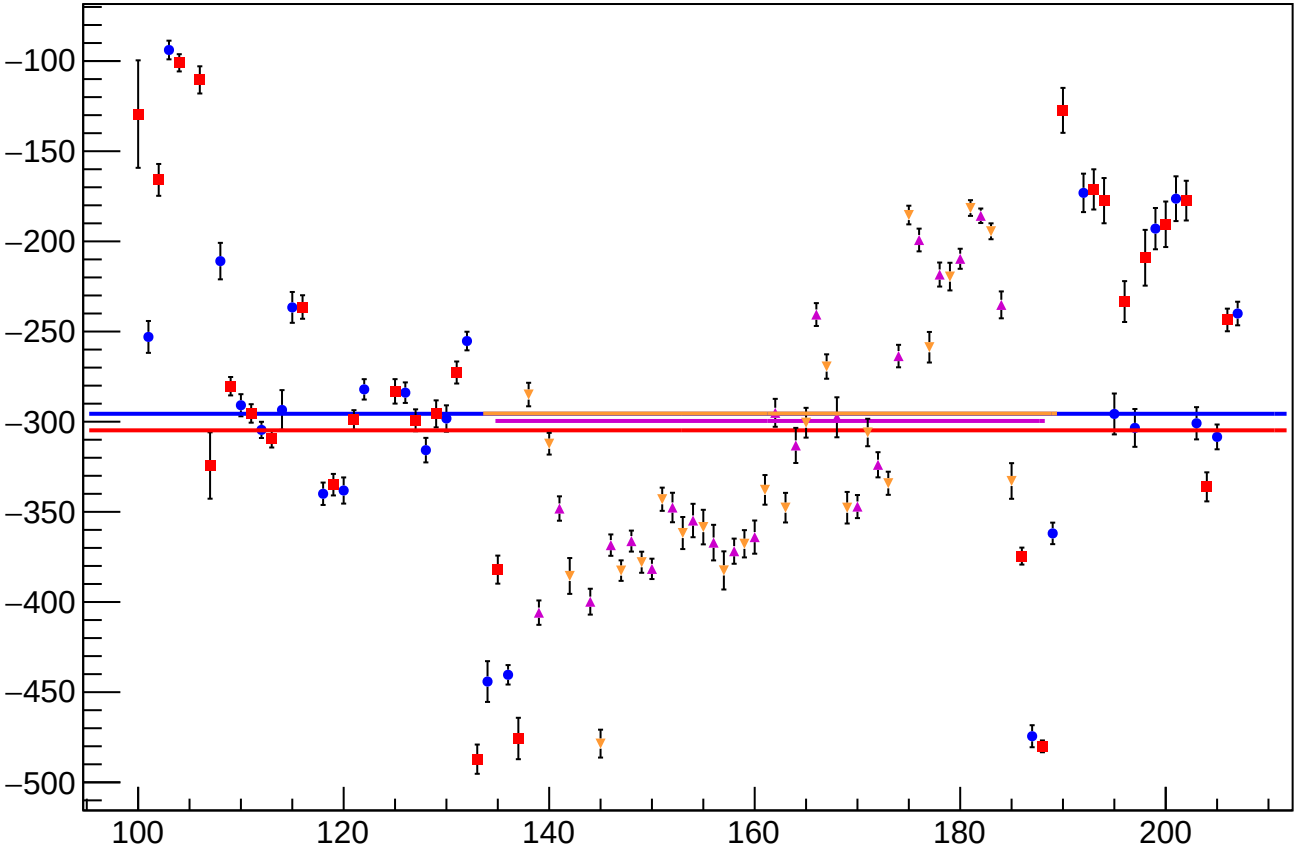
Right: 188.232+/-0.069 χ^2/NDF: 903514.7/54

In: 216.917+/-0.056 χ^2/NDF:280081.6/48

Out: 205.315+/-0.054 χ^2/NDF:891783.8/52

All: 210.939+/-0.039 χ^2/NDF: 1194256.9/101

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -295.614+/-1.365 χ^2/NDF: 4084.7/25

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

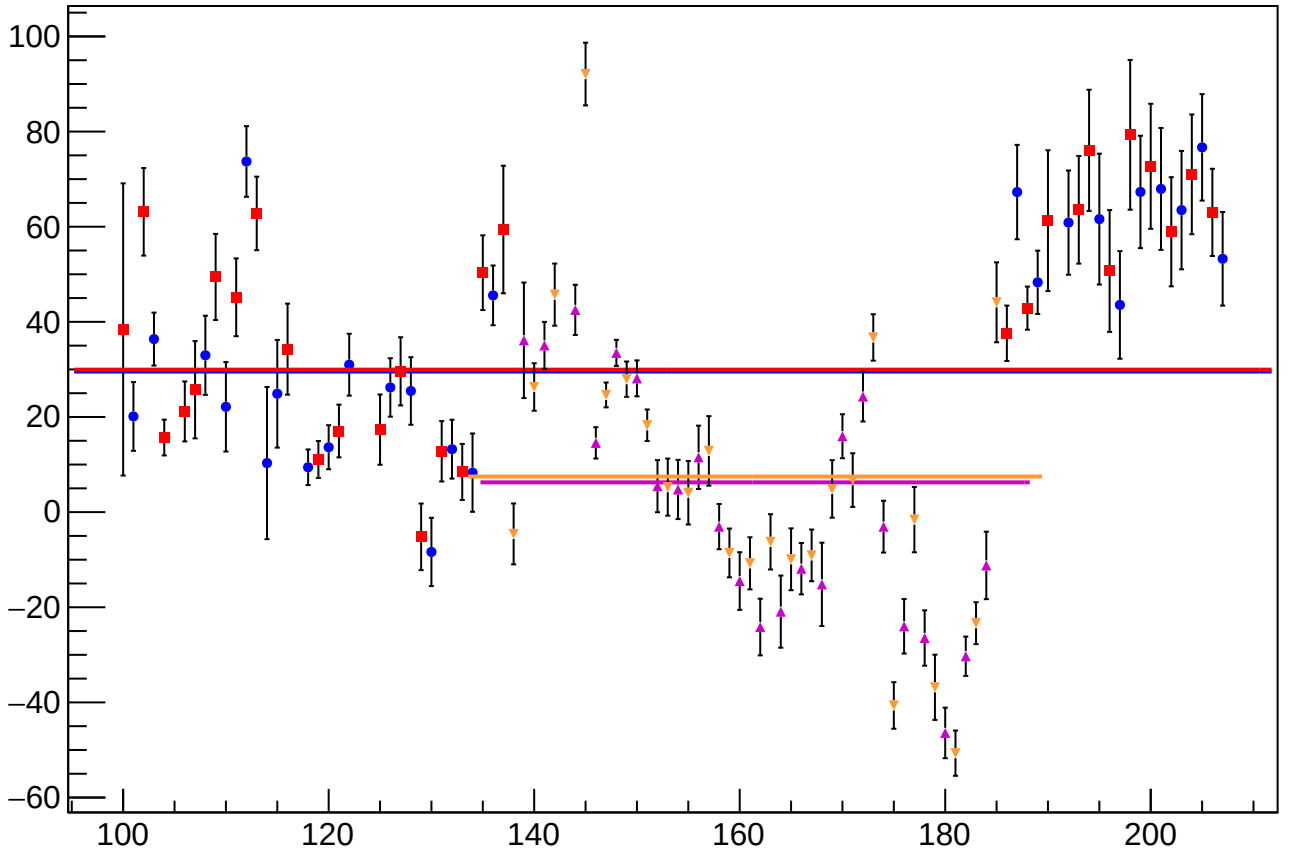
Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

Right: -300.612+/-0.921 χ^2/NDF: 11834.8/54

In: -297.555+/-0.976 χ^2/NDF:7060.6/48

Out: -300.637+/-0.930 χ^2/NDF:11096.6/52

All: -299.171+/-0.673 χ^2/NDF: 18162.4/101



Right In: 29.561+/-1.454 χ^2/NDF: 218.1/25

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

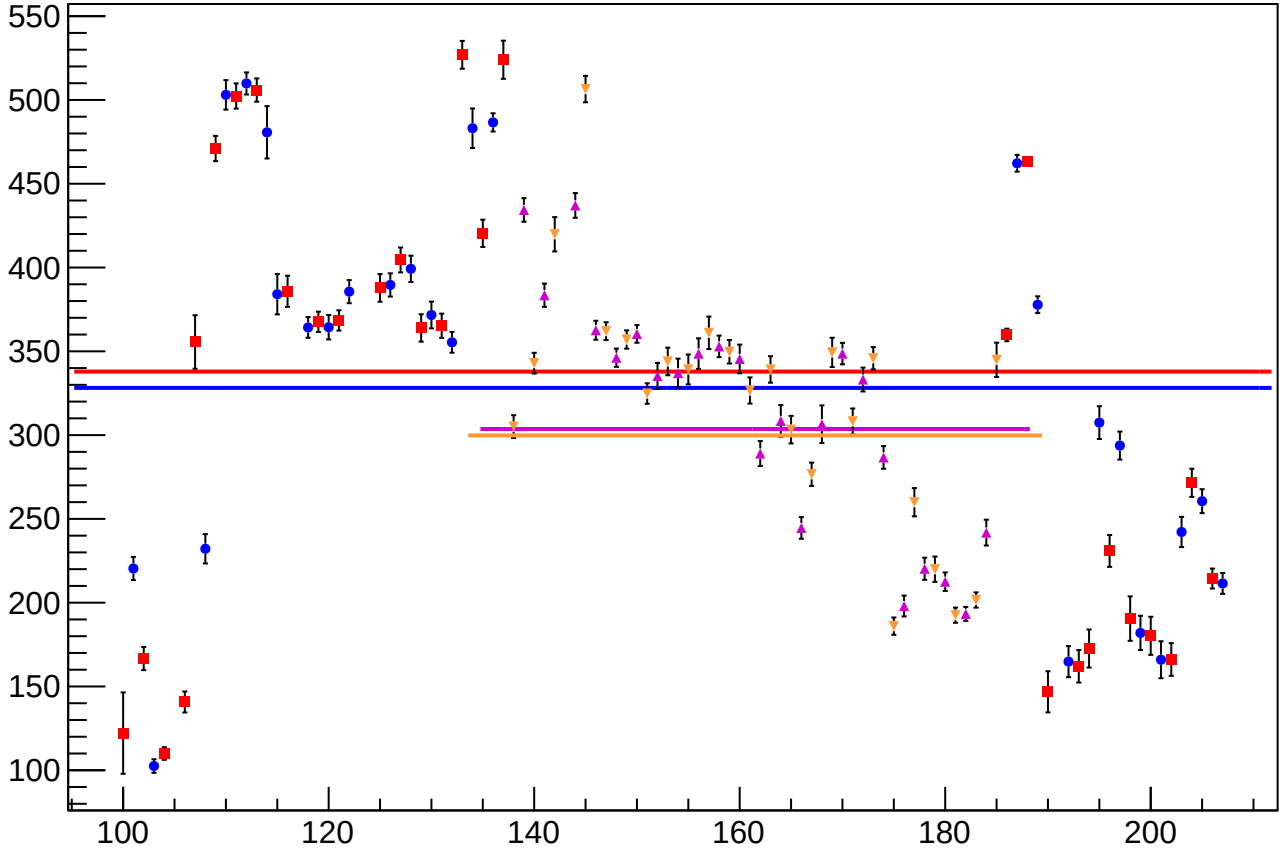
Right: 29.770+/-0.991 χ^2/NDF: 452.9/54

In: 14.194+/-0.849 χ^2/NDF:946.9/48

Out: 15.705+/-0.820 χ^2/NDF:1147.4/52

All: 14.976+/-0.590 χ^2/NDF: 2095.9/101

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 328.175+/-1.389 χ^2/NDF: 8174.9/25

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

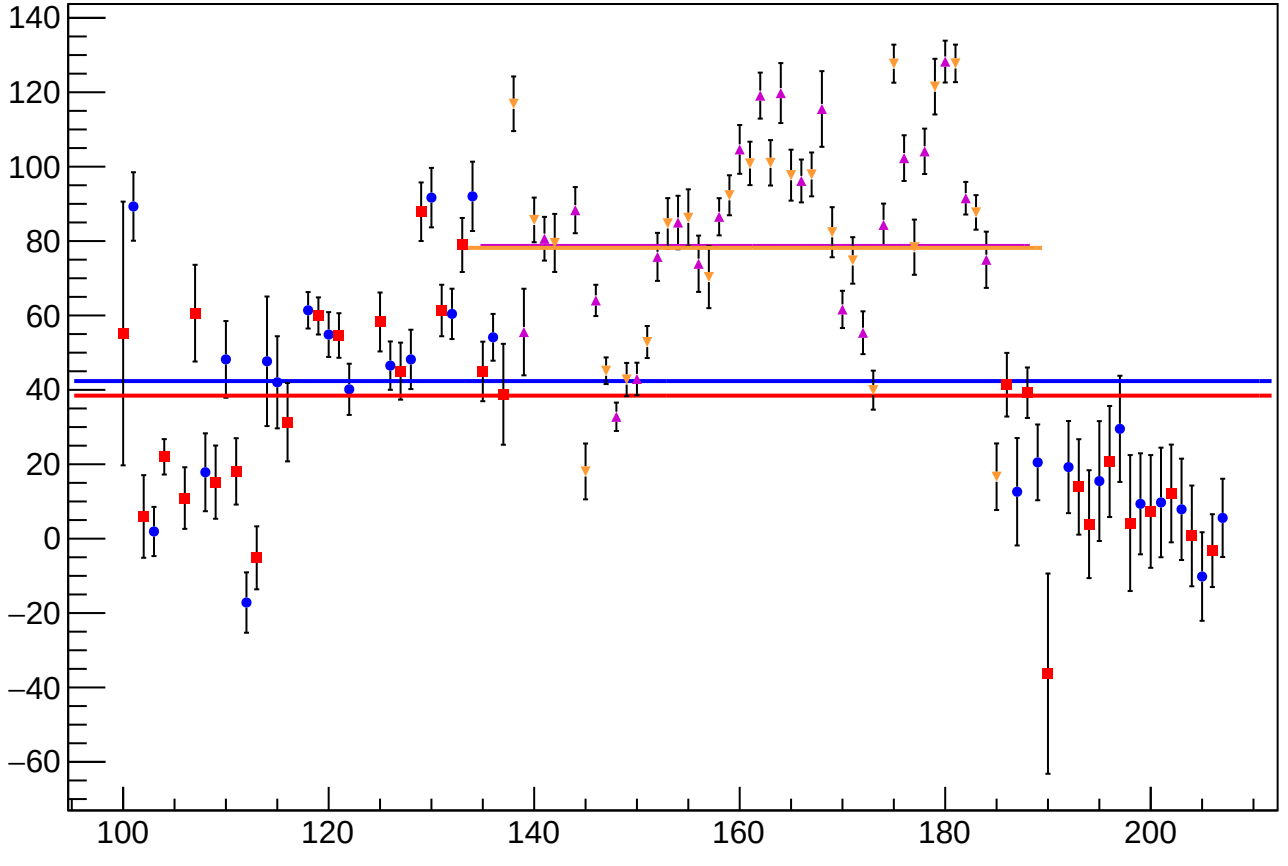
Right: 333.645+/-0.919 χ^2/NDF: 20343.4/54

In: 315.860+/-0.980 χ^2/NDF:11204.1/48

Out: 321.128+/-0.917 χ^2/NDF:15642.4/52

All: 318.669+/-0.669 χ^2/NDF: 26861.8/101

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 42.362+/-1.706 χ^2/NDF: 285.4/25

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

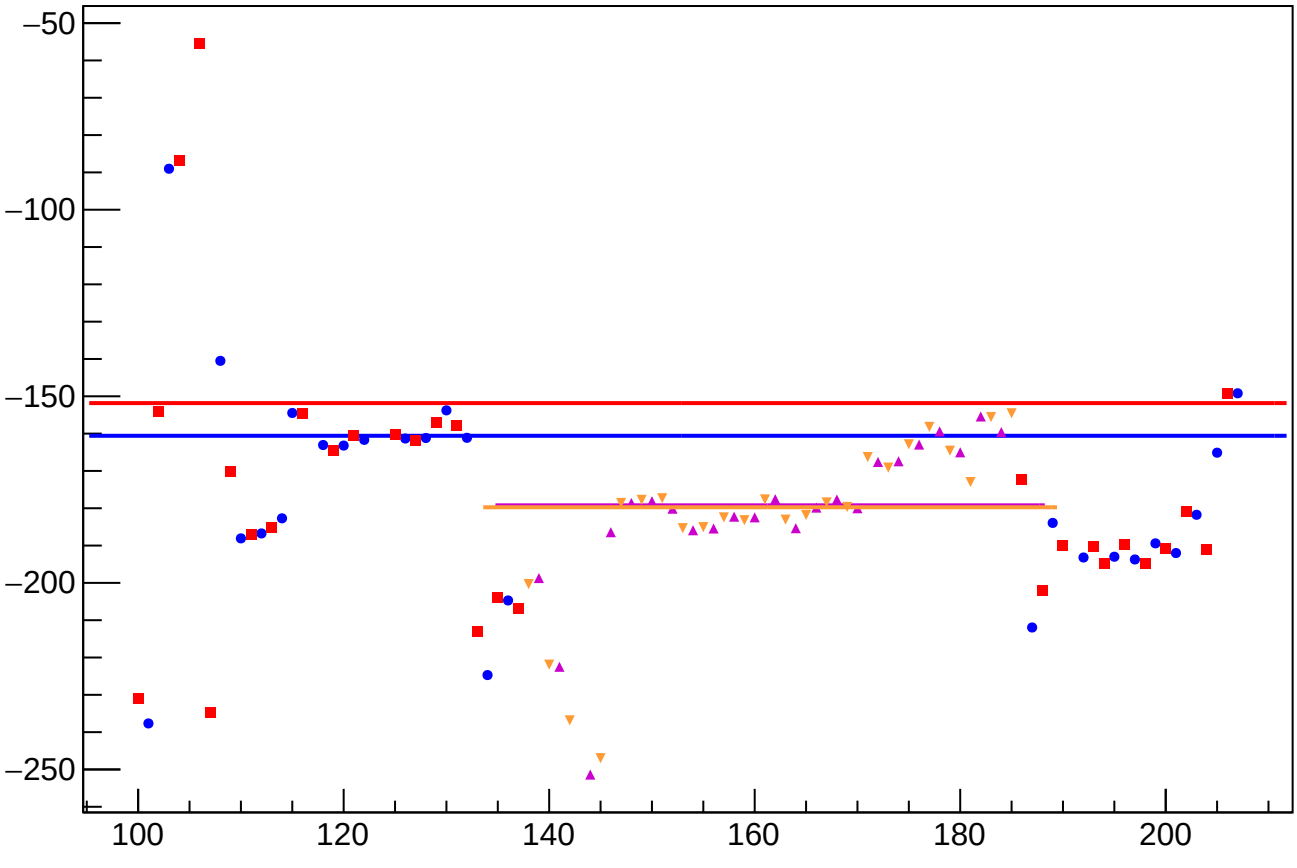
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 40.311+/-1.177 χ^2/NDF: 531.6/54

In: 66.737+/-0.979 χ^2/NDF:1078.1/48

Out: 64.400+/-0.957 χ^2/NDF:1297.0/52

All: 65.543+/-0.684 χ^2/NDF: 2378.0/101



Right In: -160.581+/-0.083 χ^2/NDF: 304421.2/25

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

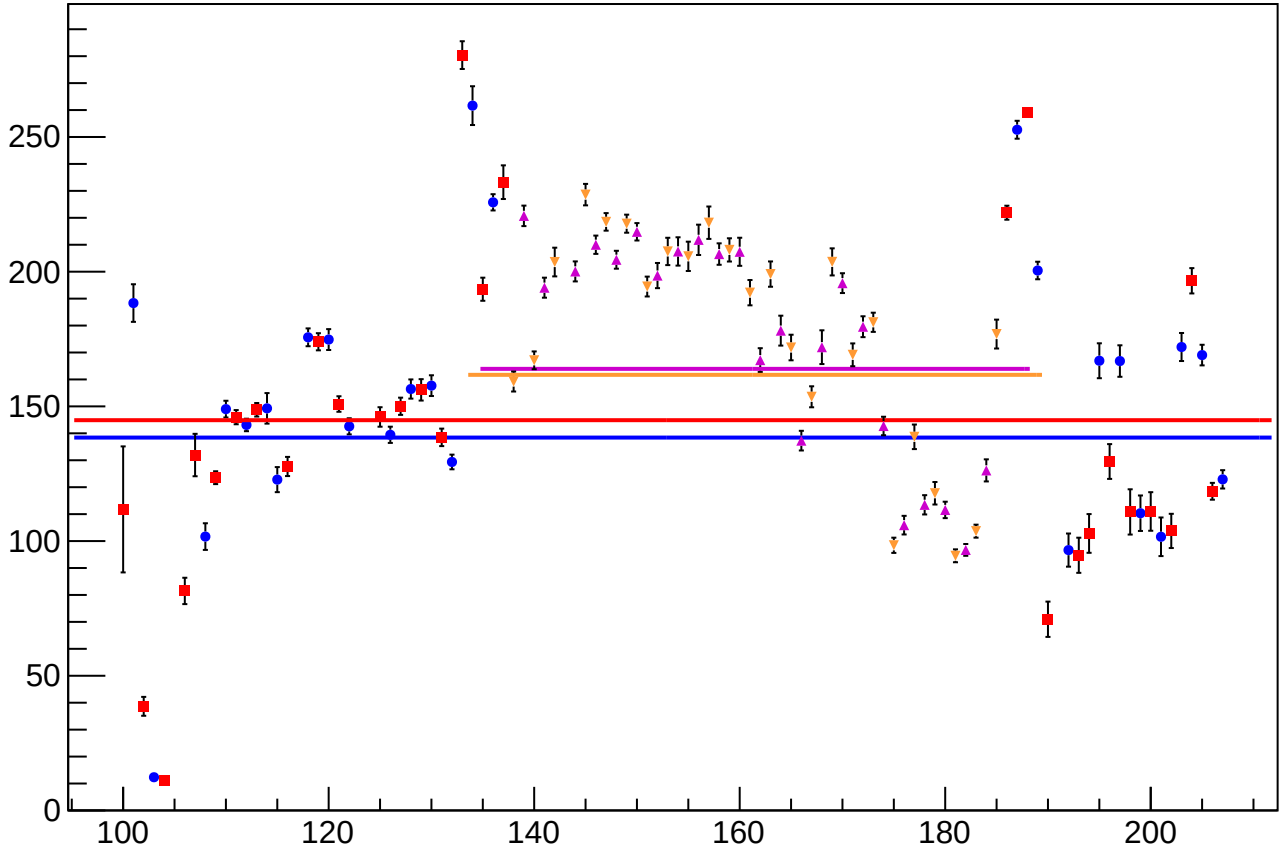
Right: -155.986+/-0.057 χ^2/NDF: 728441.8/54

In: -173.591+/-0.046 χ^2/NDF:453239.8/48

Out: -170.612+/-0.045 χ^2/NDF:634594.0/52

All: -172.088+/-0.032 χ^2/NDF: 1089993.4/10

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 138.420+/-0.704 χ^2/NDF: 8162.1/25

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

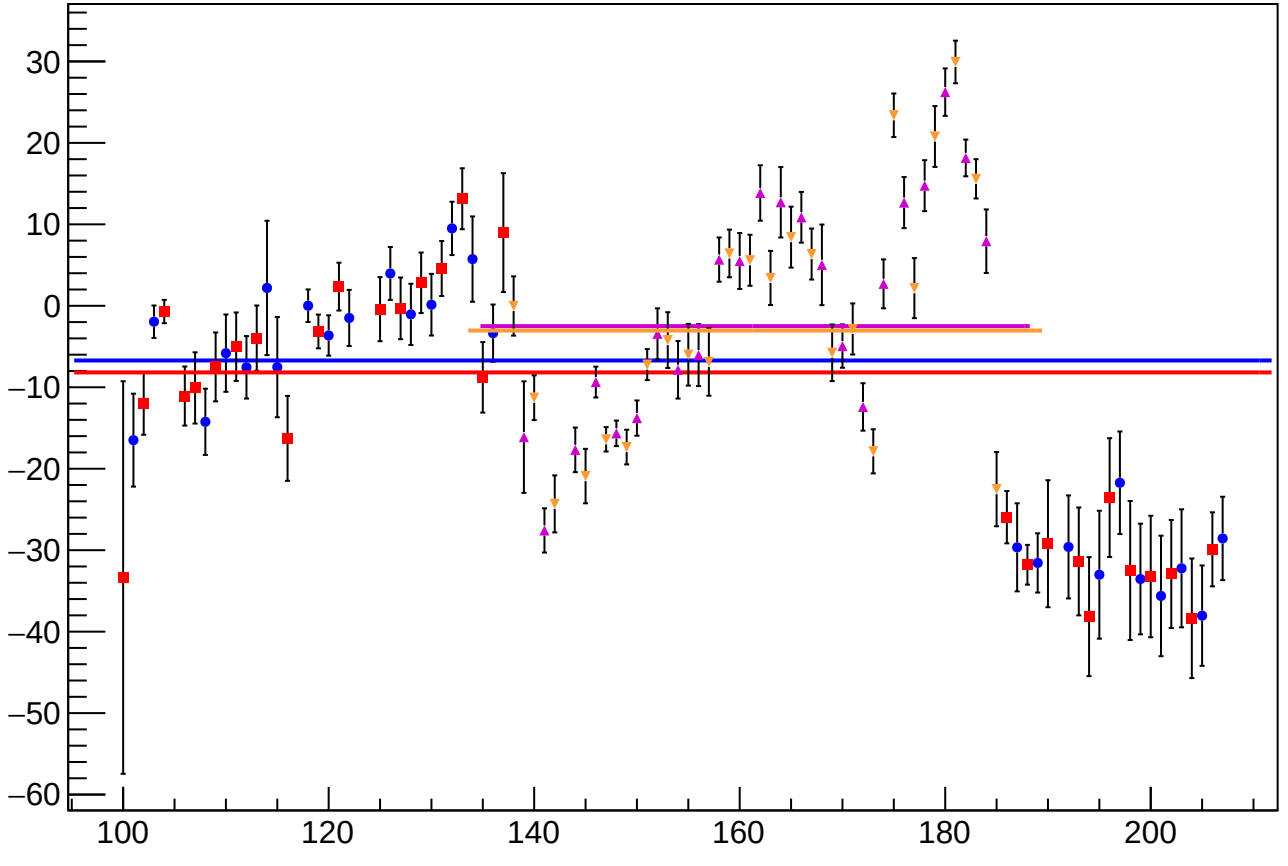
Right: 141.949+/-0.474 χ^2/NDF: 21496.6/54

In: 149.877+/-0.522 χ^2/NDF:12087.7/48

Out: 151.697+/-0.494 χ^2/NDF:17155.6/52

All: 150.837+/-0.359 χ^2/NDF: 29249.7/101

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.711+/-0.758 χ^2/NDF: 258.0/25

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -8.178+/-0.682 χ^2/NDF: 360.4/28

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

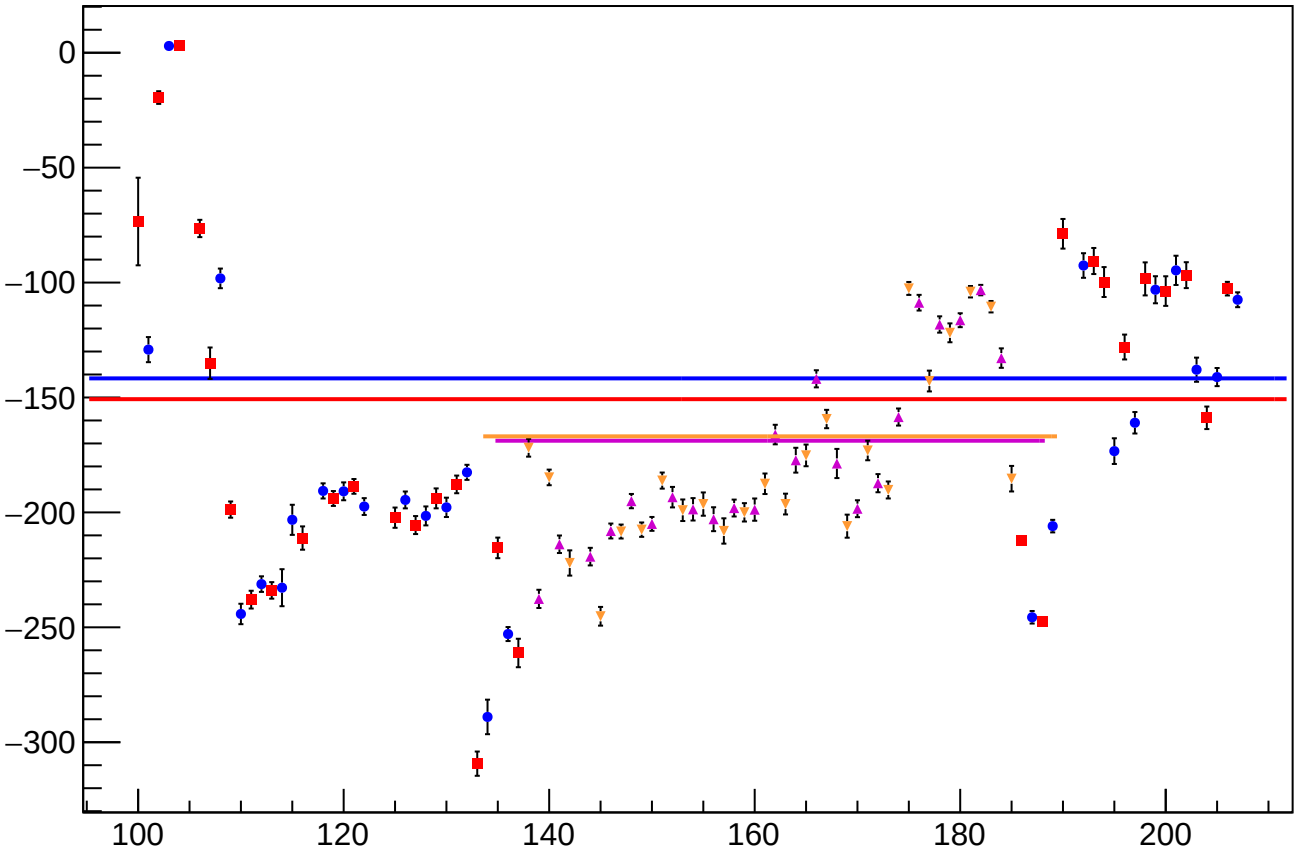
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -7.521+/-0.507 χ^2/NDF: 620.5/54

In: -4.074+/-0.464 χ^2/NDF:840.3/48

Out: -5.187+/-0.441 χ^2/NDF:1047.9/52

All: -4.659+/-0.320 χ^2/NDF: 1891.3/101



Right In: -141.690+/-0.702 χ^2/NDF: 17240.7/25

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

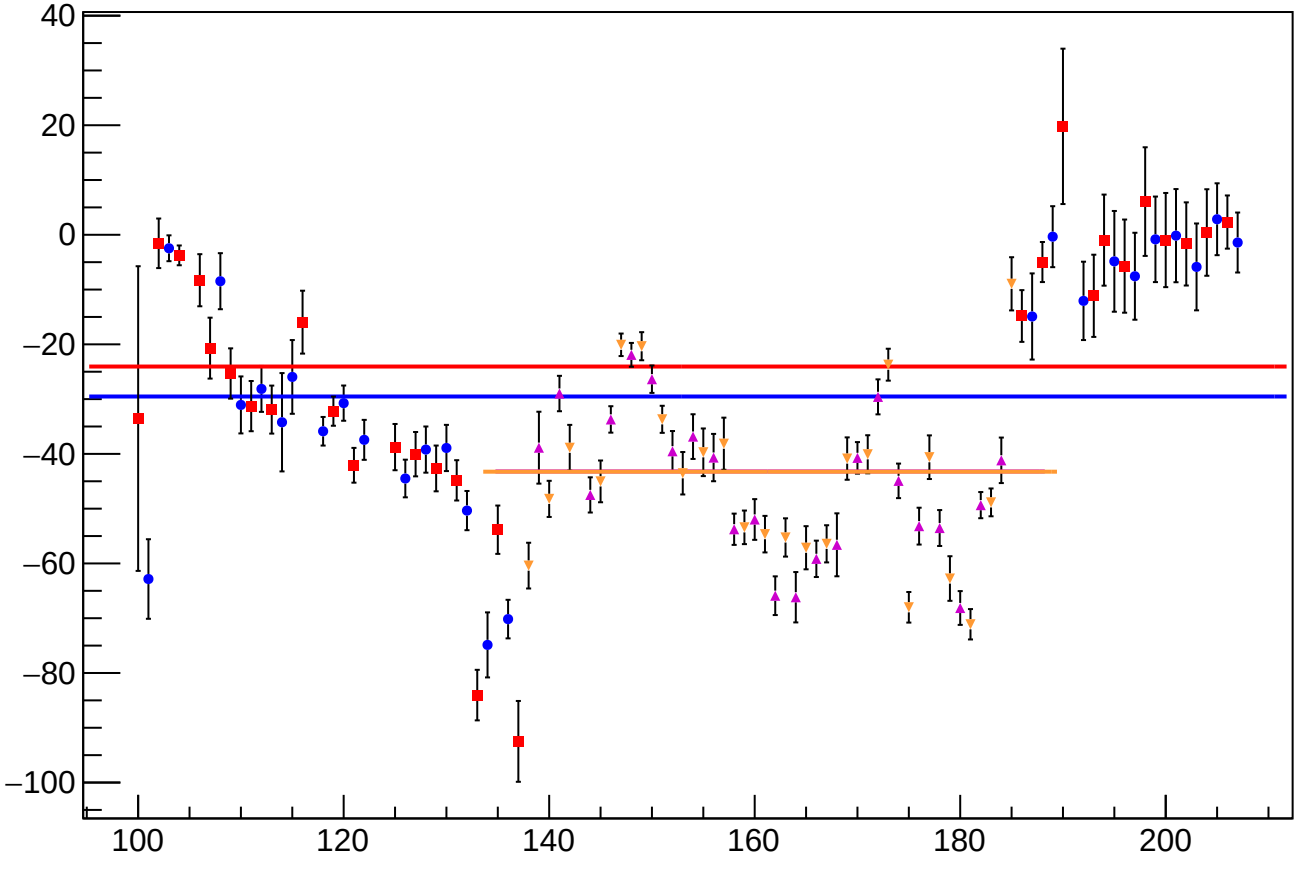
Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

Right: -146.763+/-0.465 χ^2/NDF: 41357.1/54

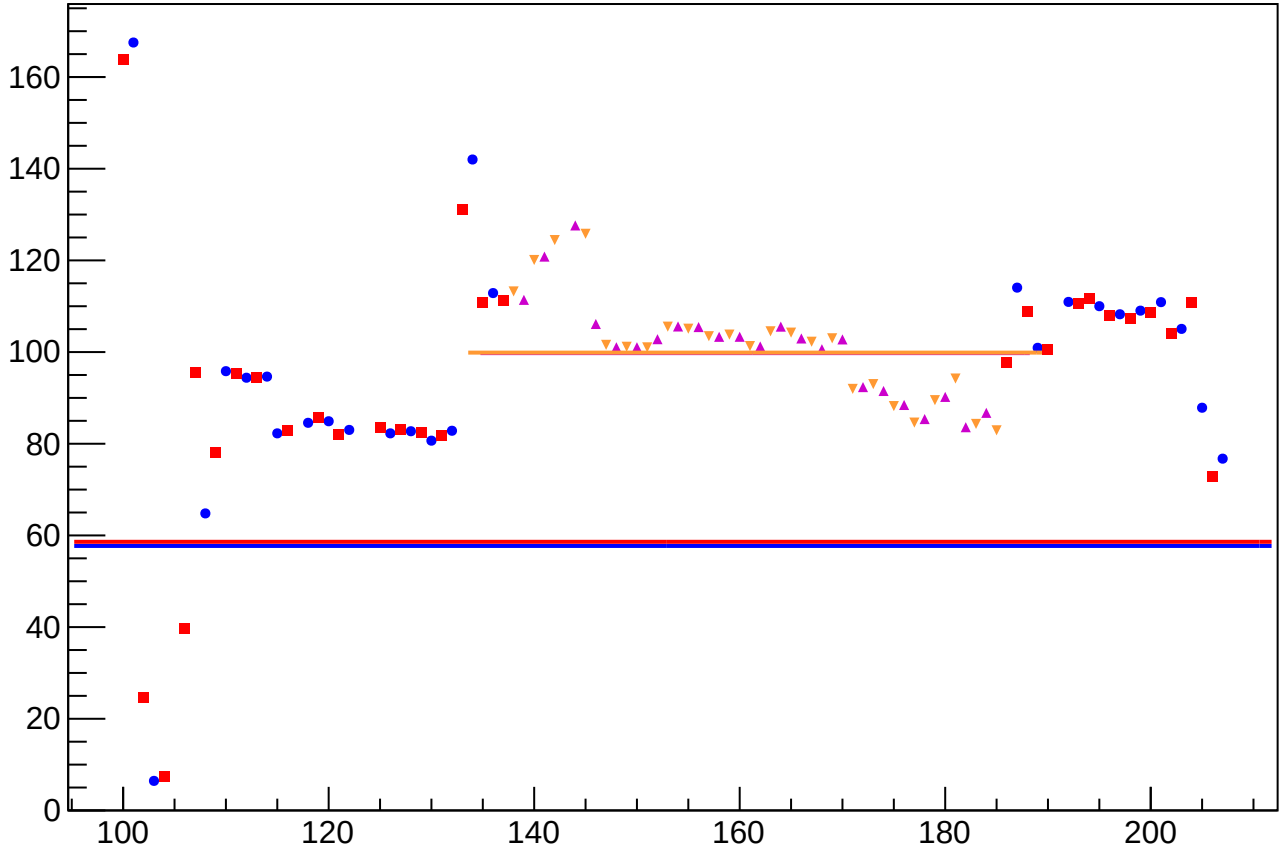
In: -153.967+/-0.520 χ^2/NDF:20974.9/48

Out: -157.107+/-0.484 χ^2/NDF:27386.6/52

All: -155.649+/-0.354 χ^2/NDF: 48381.1/101


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: -29.523+/-0.889 χ²/NDF: 572.4/25
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: -26.569+/-0.603 χ²/NDF: 1304.9/54
In: -38.248+/-0.535 χ²/NDF:1129.4/48
Out: -35.651+/-0.516 χ²/NDF:1653.1/52
All: -36.903+/-0.371 χ²/NDF: 2794.7/101

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 57.705+/-0.039 χ^2/NDF: 1491402.7/25

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

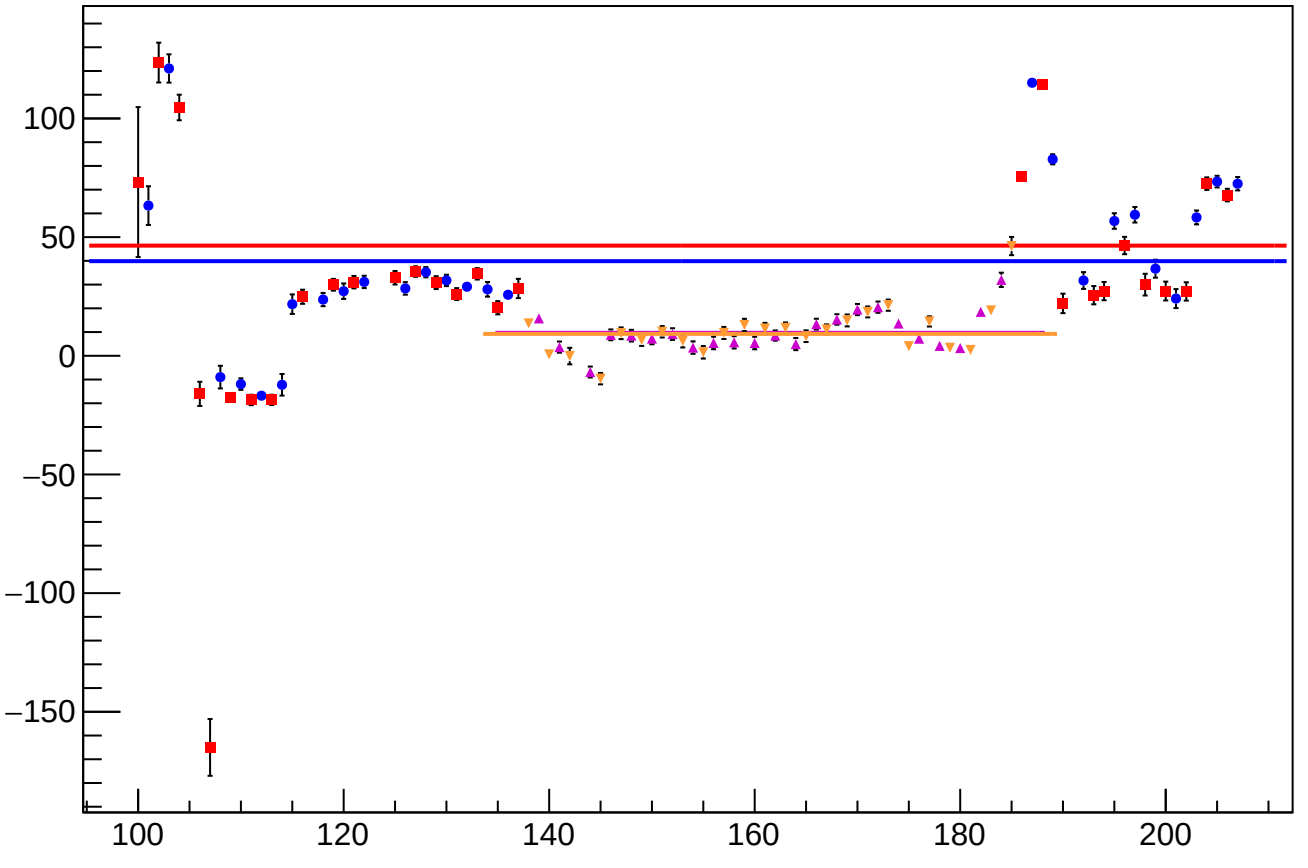
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 58.166+/-0.028 χ^2/NDF: 2780630.2/54

In: 83.949+/-0.024 χ^2/NDF:2317831.3/48

Out: 83.859+/-0.024 χ^2/NDF:2111070.6/52

All: 83.904+/-0.017 χ^2/NDF: 4428908.8/101



Right In: 39.875+/-0.542 χ^2/NDF: 4156.8/25

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

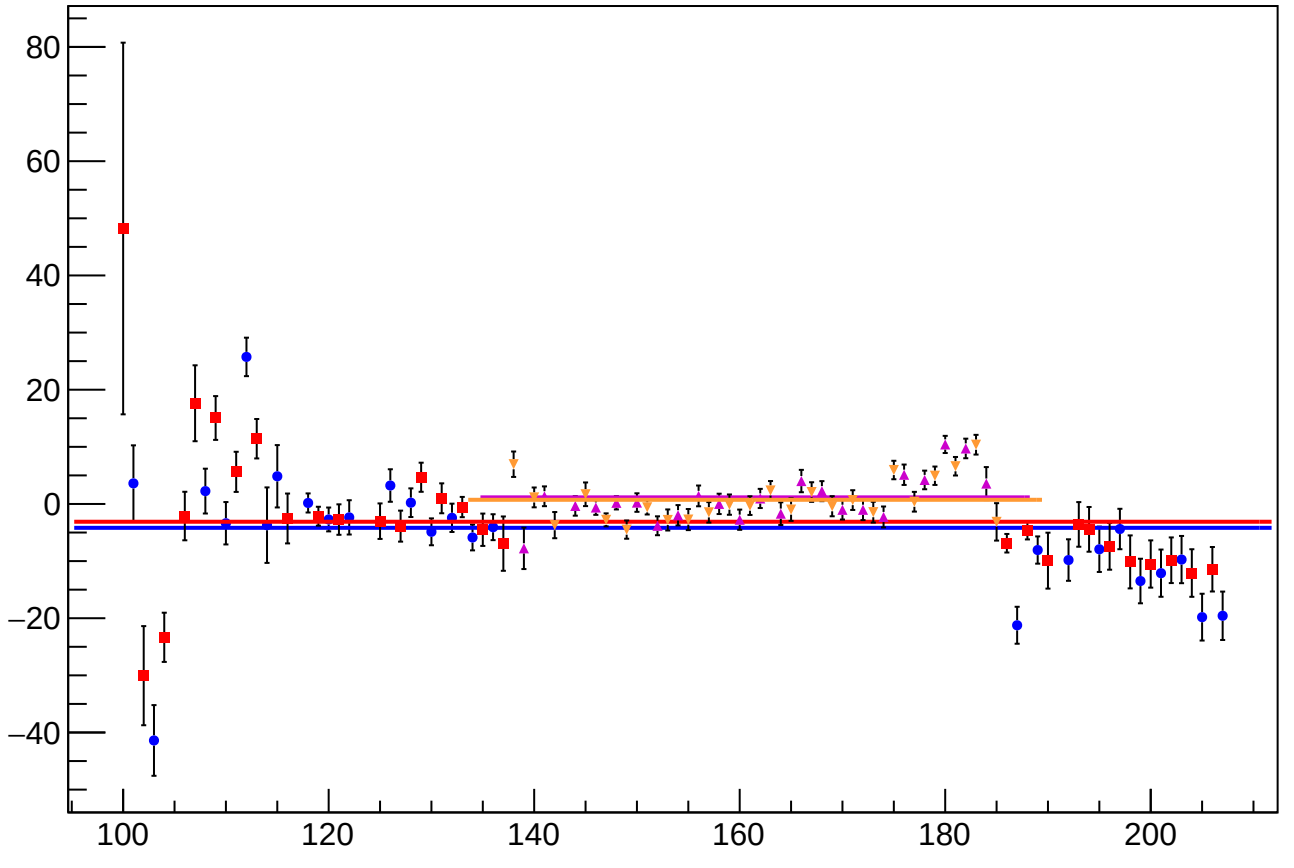
Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

Right: 43.489+/-0.363 χ^2/NDF: 12242.2/54

In: 22.385+/-0.352 χ^2/NDF:6198.8/48

Out: 26.565+/-0.333 χ^2/NDF:11427.5/52

All: 24.587+/-0.242 χ^2/NDF: 17700.6/101



Right In: -4.175+/-0.594 χ^2/NDF: 213.3/25

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.111+/-0.554 χ^2/NDF: 132.6/28

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

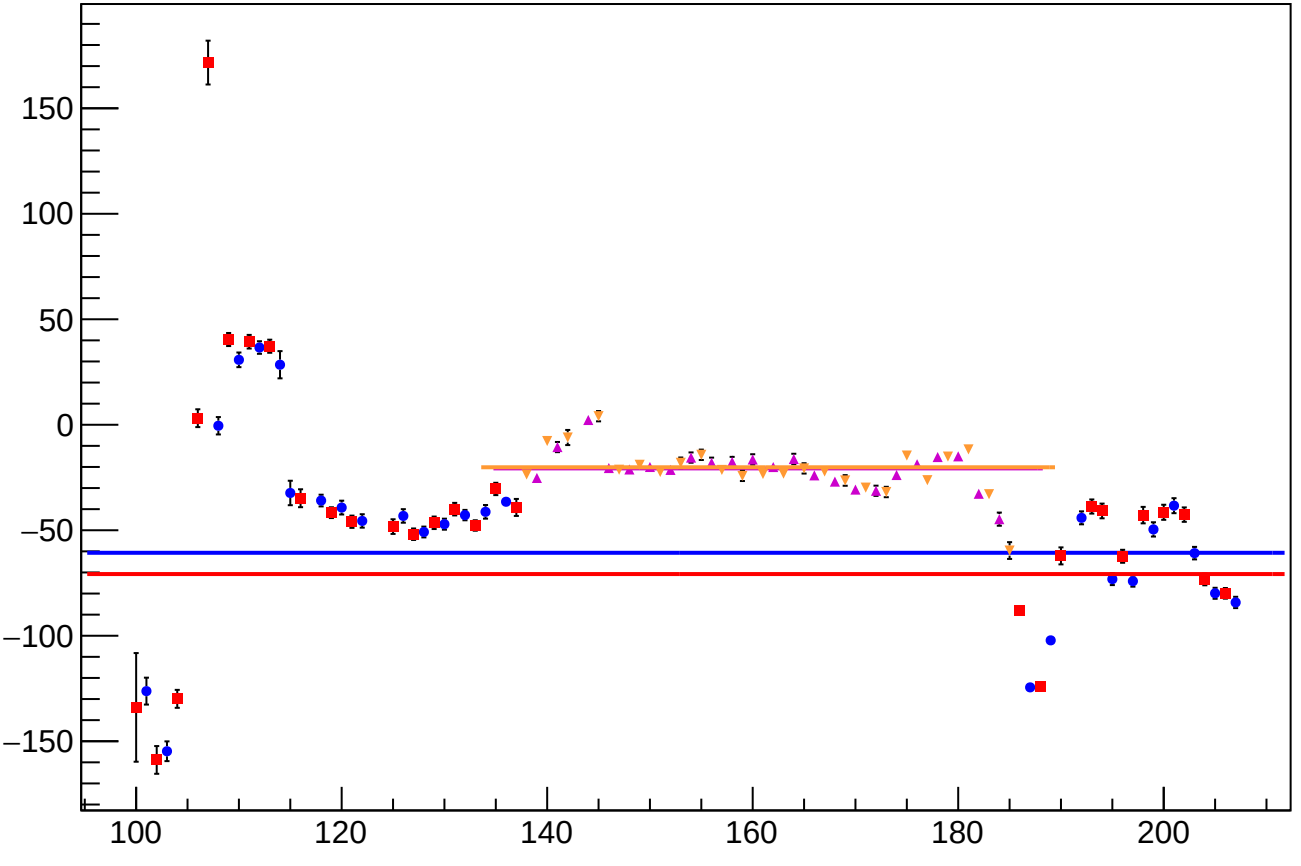
Right: -3.606+/-0.405 χ^2/NDF: 347.6/54

In: -0.262+/-0.306 χ^2/NDF:382.9/48

Out: -0.362+/-0.296 χ^2/NDF:276.6/52

All: -0.313+/-0.213 χ^2/NDF: 659.6/101

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -60.680+/-0.555 χ^2/NDF: 5487.4/25

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

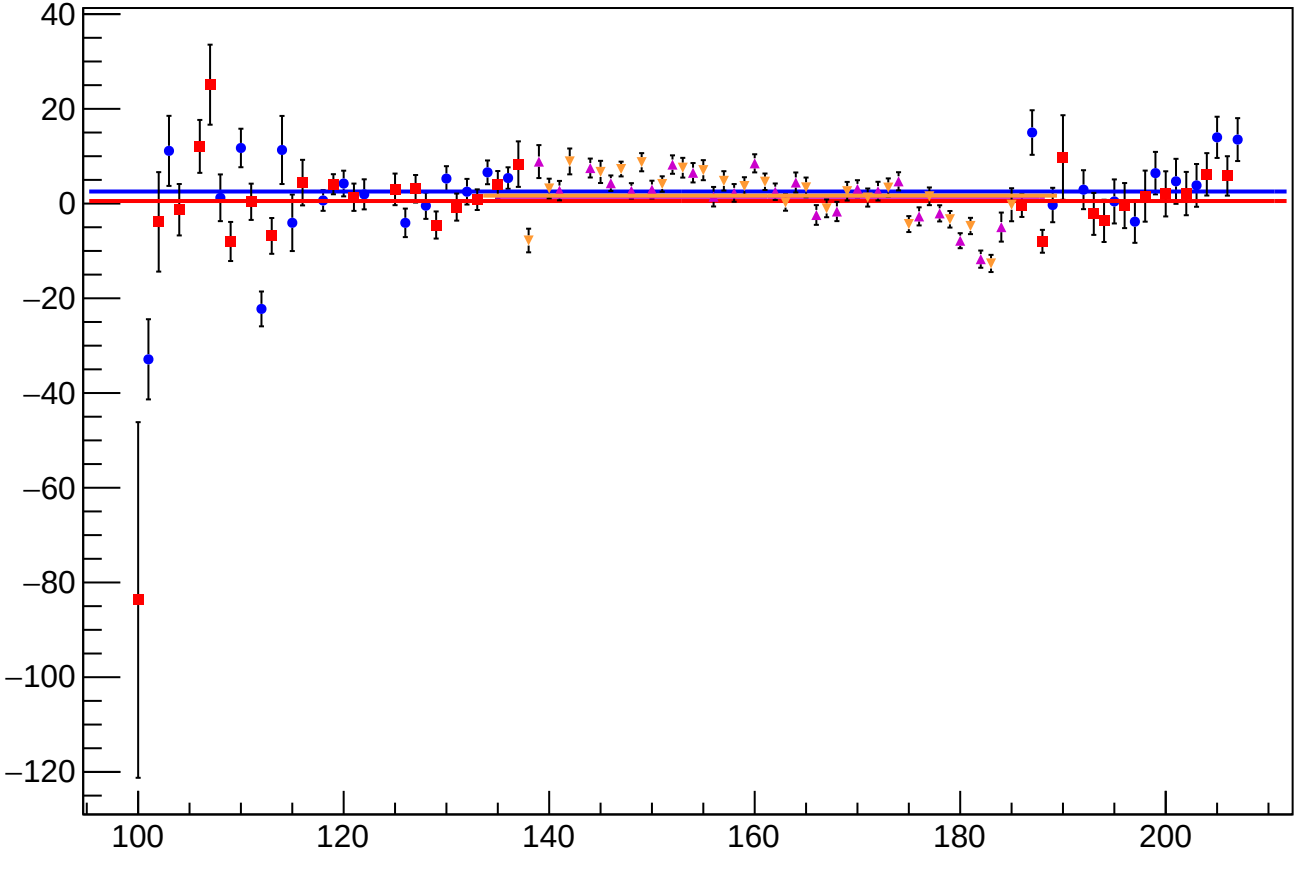
Right: -66.509+/-0.360 χ^2/NDF: 15337.2/54

In: -36.886+/-0.353 χ^2/NDF:8892.4/48

Out: -44.297+/-0.327 χ^2/NDF:16049.1/52

All: -40.872+/-0.240 χ^2/NDF: 25178.6/101

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.547+/-0.691 χ^2/NDF: 108.3/25

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

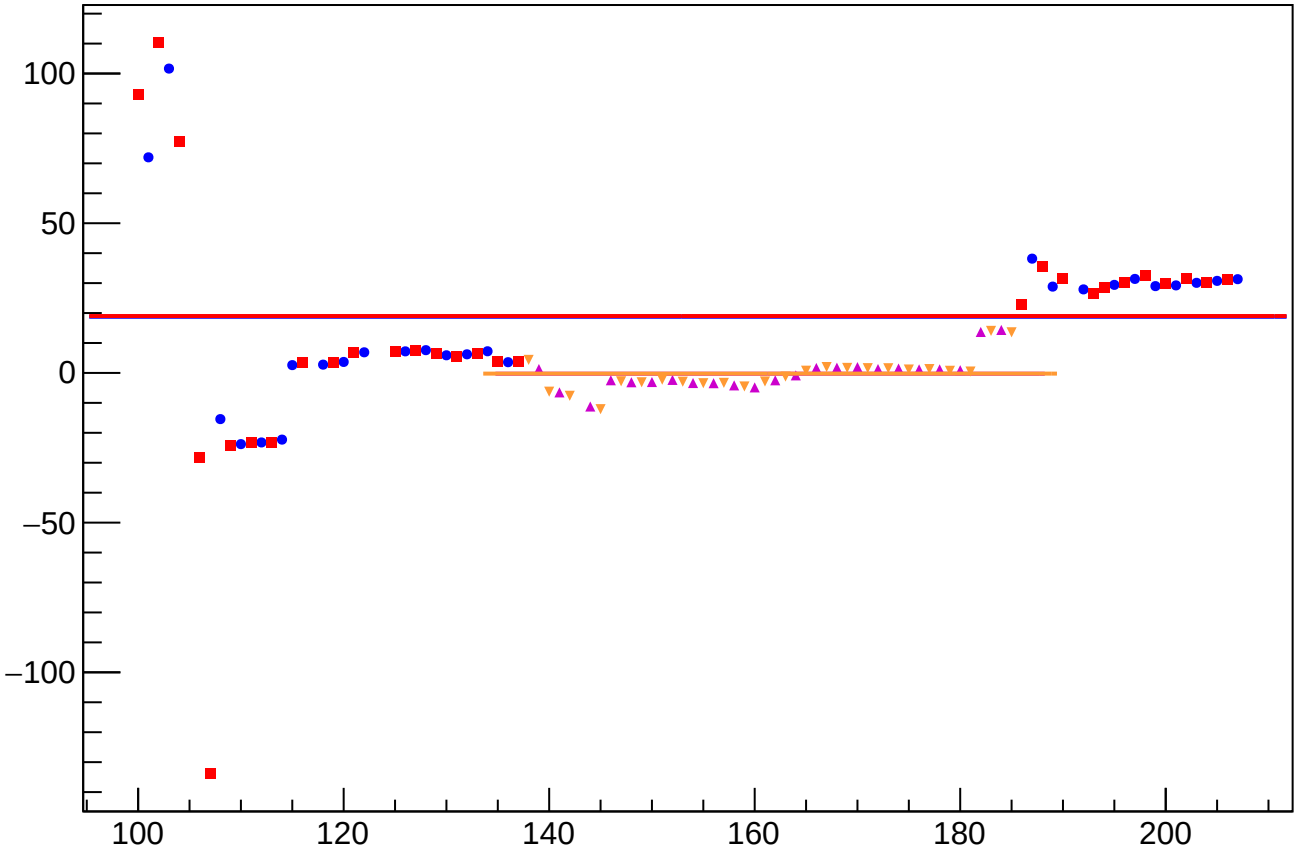
Right: 1.509+/-0.480 χ^2/NDF: 169.4/54

In: 1.711+/-0.348 χ^2/NDF:273.0/48

Out: 1.378+/-0.340 χ^2/NDF:236.9/52

All: 1.541+/-0.243 χ^2/NDF: 510.4/101

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 18.769+/-0.035 χ^2/NDF: 413533.2/25

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

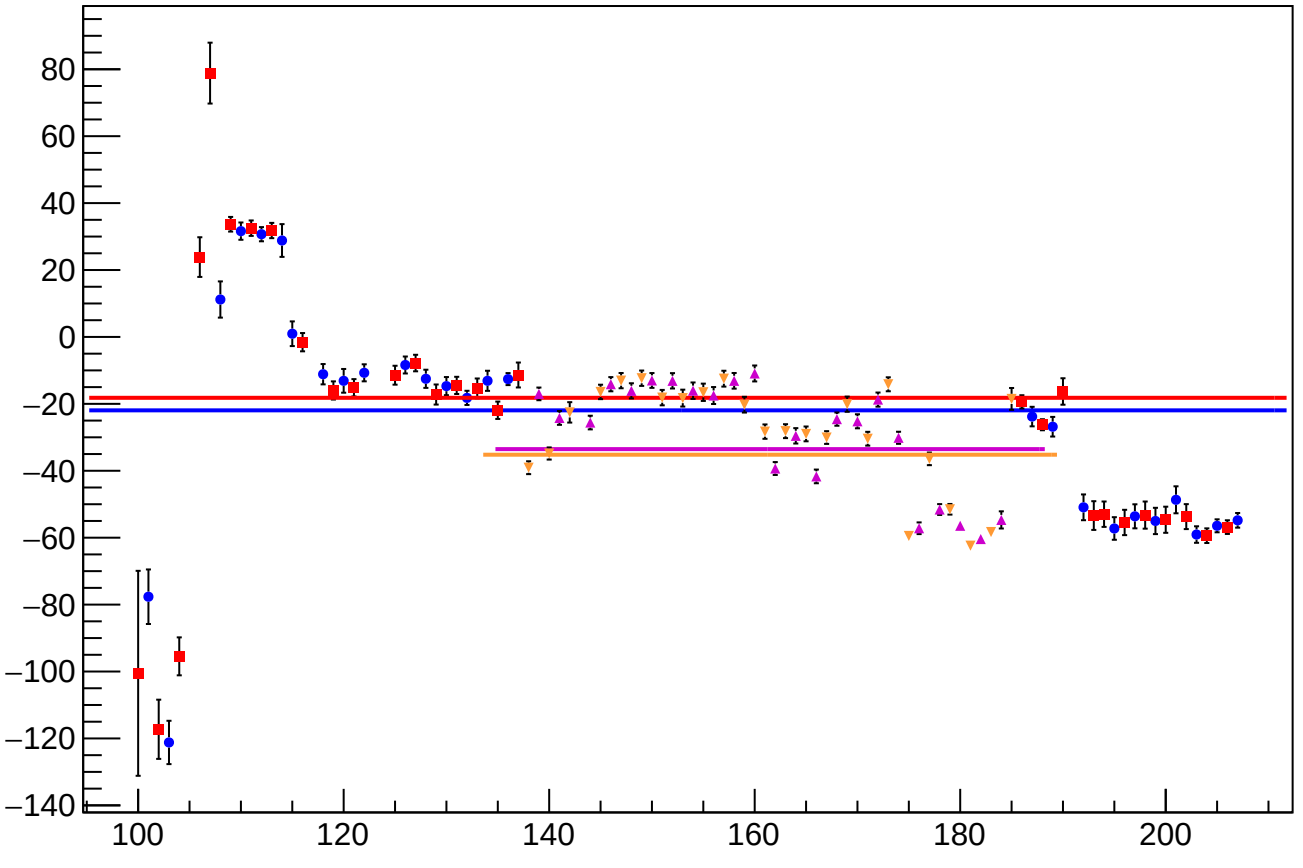
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

Right: 18.886+/-0.024 χ^2/NDF: 1002415.7/54

In: 3.696+/-0.016 χ^2/NDF:726329.3/48

Out: 3.817+/-0.016 χ^2/NDF:919933.0/52

All: 3.757+/-0.011 χ^2/NDF: 1646291.5/101



Right In: -21.942+/-0.559 χ^2/NDF: 2766.4/25

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

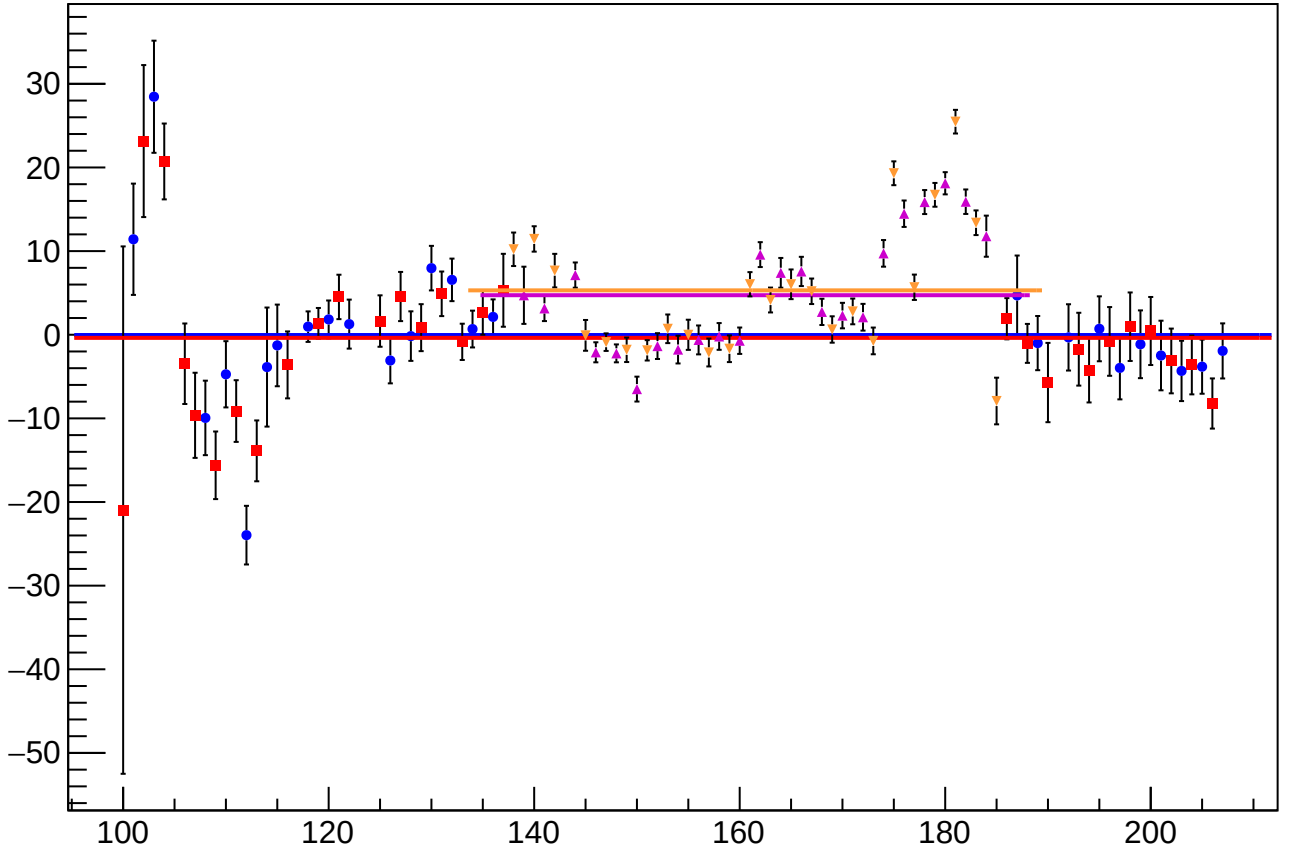
Right: -19.983+/-0.386 χ^2/NDF: 6104.2/54

In: -29.424+/-0.332 χ^2/NDF:4850.4/48

Out: -28.930+/-0.324 χ^2/NDF:5805.3/52

All: -29.171+/-0.232 χ^2/NDF: 10656.9/101

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.035+/-0.618 χ^2/NDF: 99.4/25

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

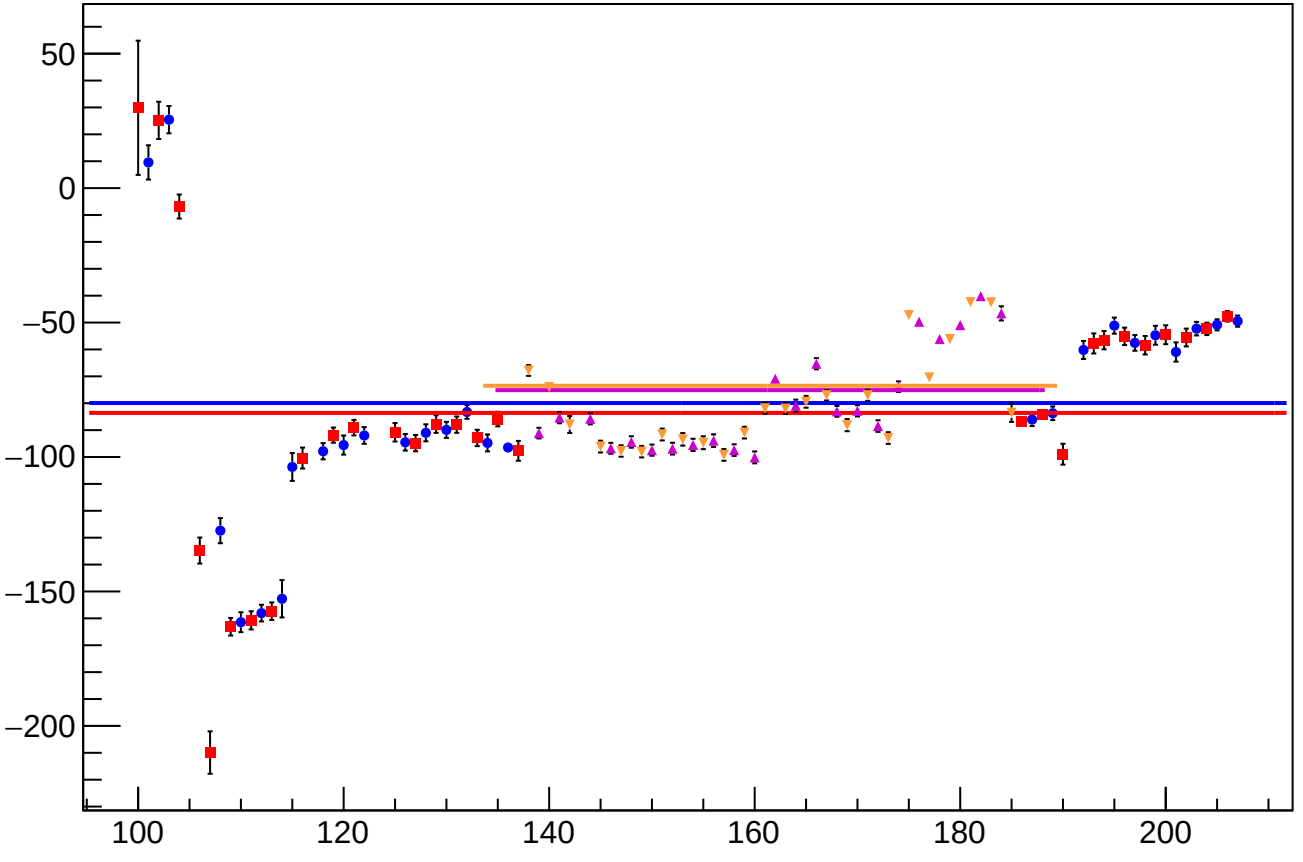
Right: -0.207+/-0.433 χ^2/NDF: 192.7/54

In: 3.715+/-0.285 χ^2/NDF:642.0/48

Out: 4.105+/-0.280 χ^2/NDF:786.4/52

All: 3.914+/-0.200 χ^2/NDF: 1429.4/101

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -79.920+/-0.583 χ^2/NDF: 3010.2/25

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

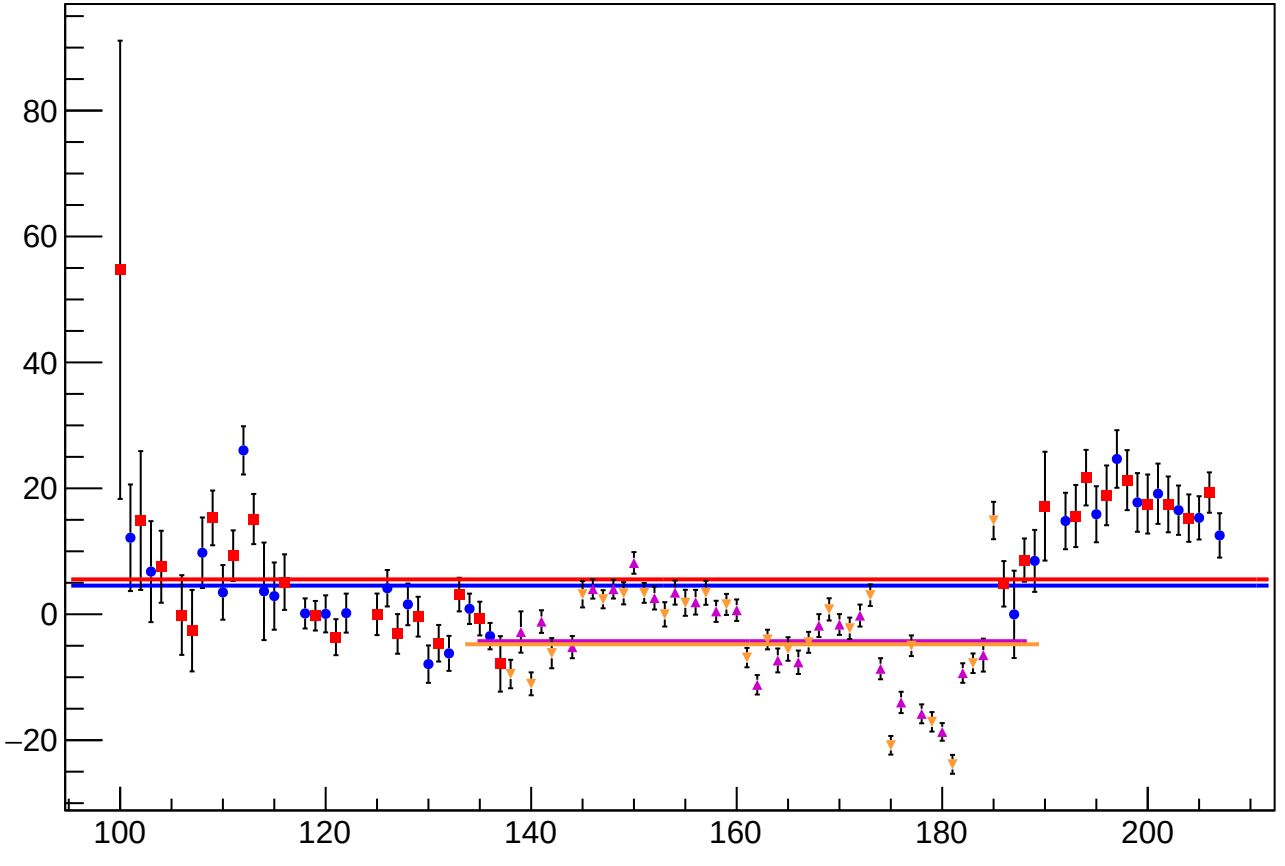
Right: -81.898+/-0.396 χ^2/NDF: 6580.2/54

In: -76.717+/-0.335 χ^2/NDF:5417.3/48

Out: -77.136+/-0.324 χ^2/NDF:6163.6/52

All: -76.933+/-0.233 χ^2/NDF: 11581.7/101

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.552+/-0.705 χ^2/NDF: 165.2/25

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

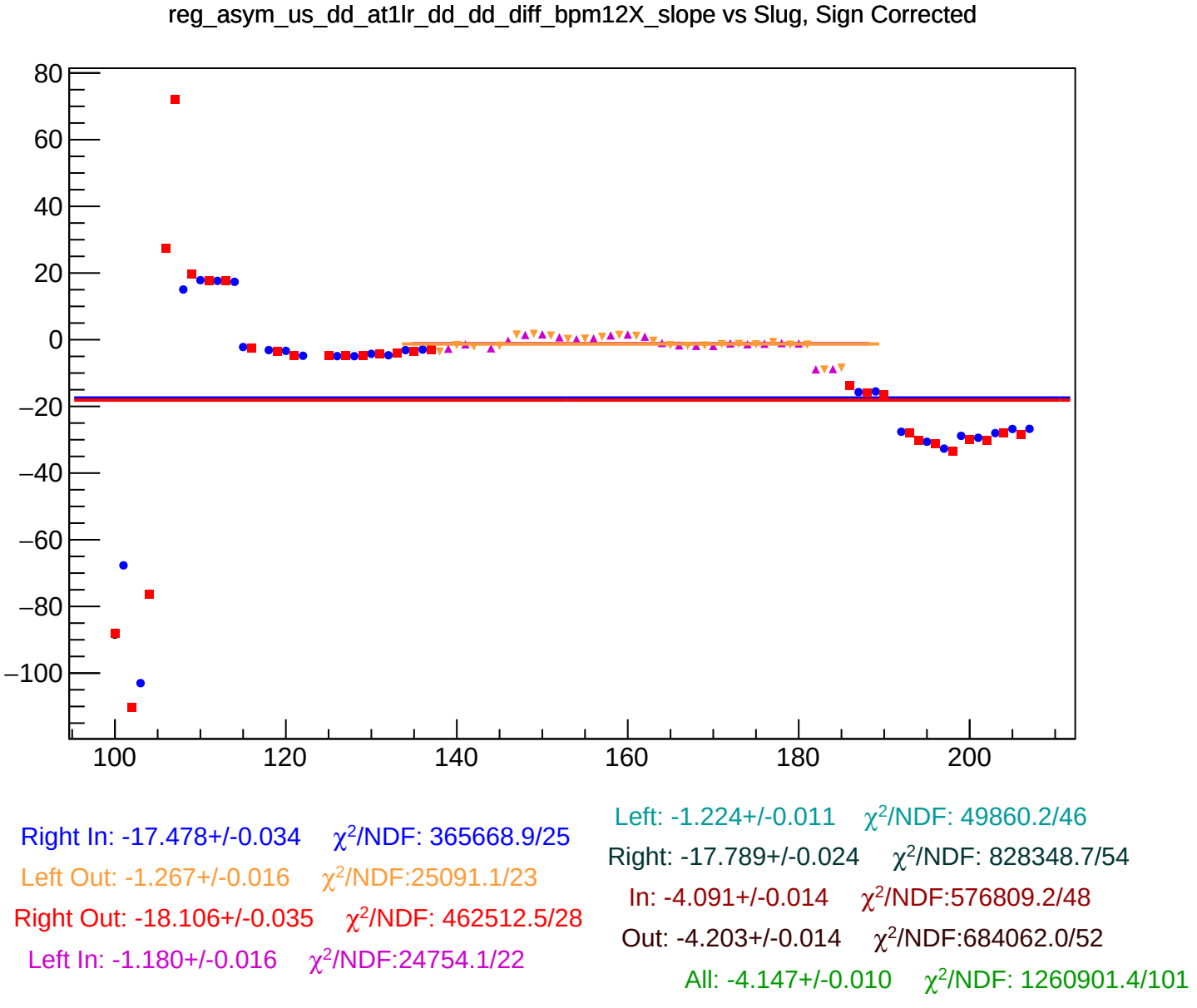
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

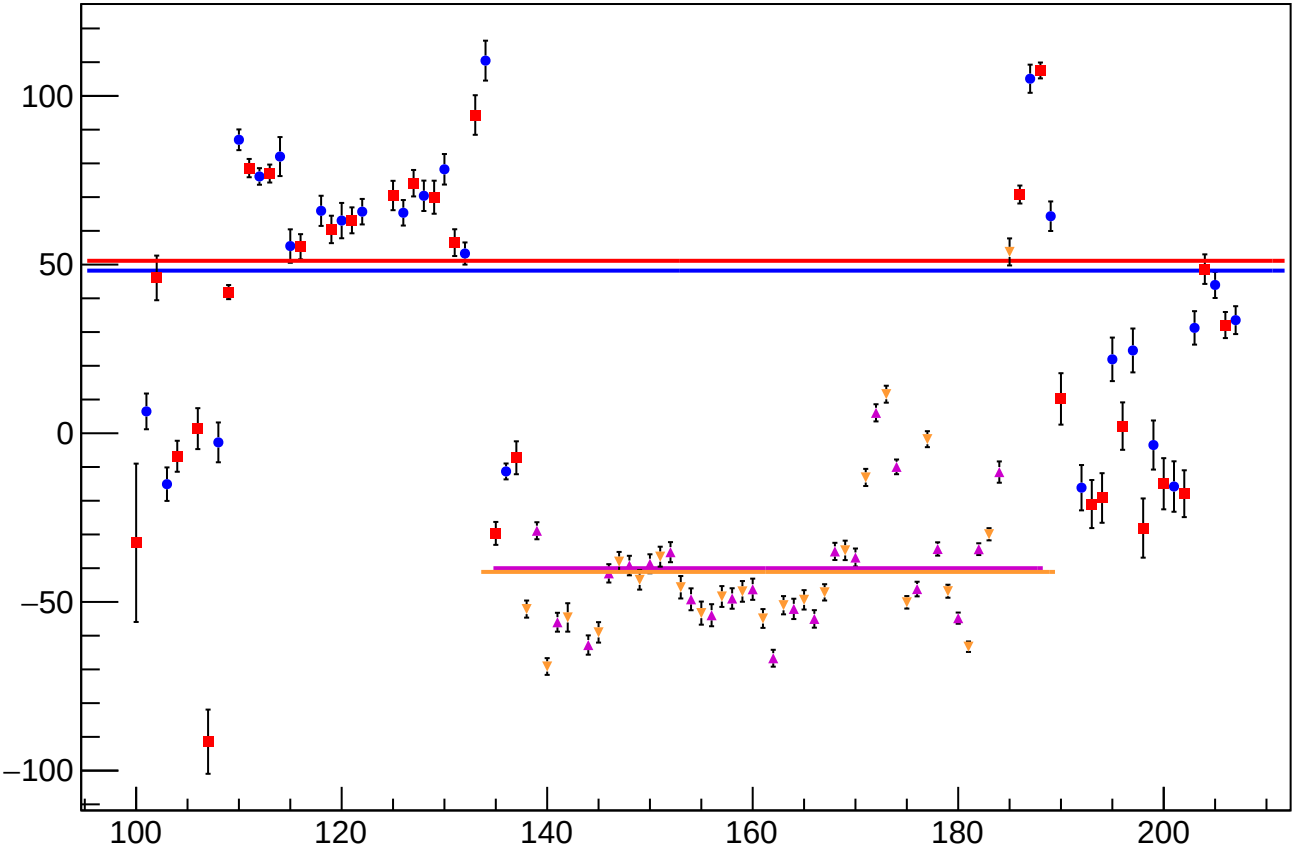
Right: 5.043+/-0.500 χ^2/NDF: 318.9/54

In: -2.444+/-0.321 χ^2/NDF:713.7/48

Out: -2.704+/-0.317 χ^2/NDF:898.1/52

All: -2.575+/-0.226 χ^2/NDF: 1612.1/101


reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -17.478+/-0.034 χ²/NDF: 365668.9/25
Left Out: -1.267+/-0.016 χ²/NDF:25091.1/23
Right Out: -18.106+/-0.035 χ²/NDF: 462512.5/28
Left In: -1.180+/-0.016 χ²/NDF:24754.1/22
Left: -1.224+/-0.011 χ²/NDF: 49860.2/46
Right: -17.789+/-0.024 χ²/NDF: 828348.7/54
In: -4.091+/-0.014 χ²/NDF:576809.2/48
Out: -4.203+/-0.014 χ²/NDF:684062.0/52
All: -4.147+/-0.010 χ²/NDF: 1260901.4/101



Right In: 48.208+/-0.829 χ^2/NDF: 1979.5/25

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

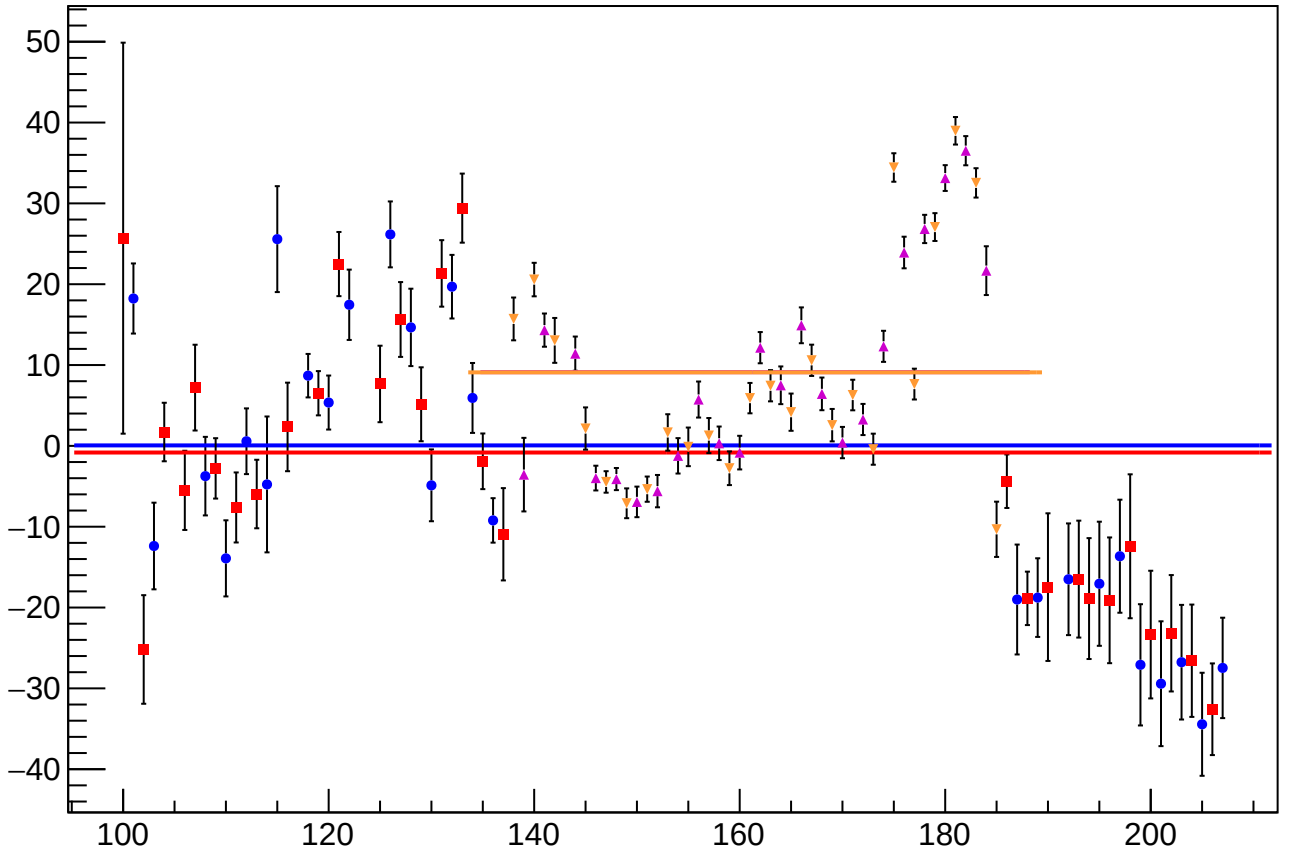
Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

Right: 49.806+/-0.557 χ^2/NDF: 4697.7/54

In: -14.795+/-0.443 χ^2/NDF:11099.9/48

Out: -11.524+/-0.426 χ^2/NDF:14849.0/52

All: -13.097+/-0.307 χ^2/NDF: 25977.2/101



Right In: 0.058+/-0.918 χ^2/NDF: 294.7/25

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

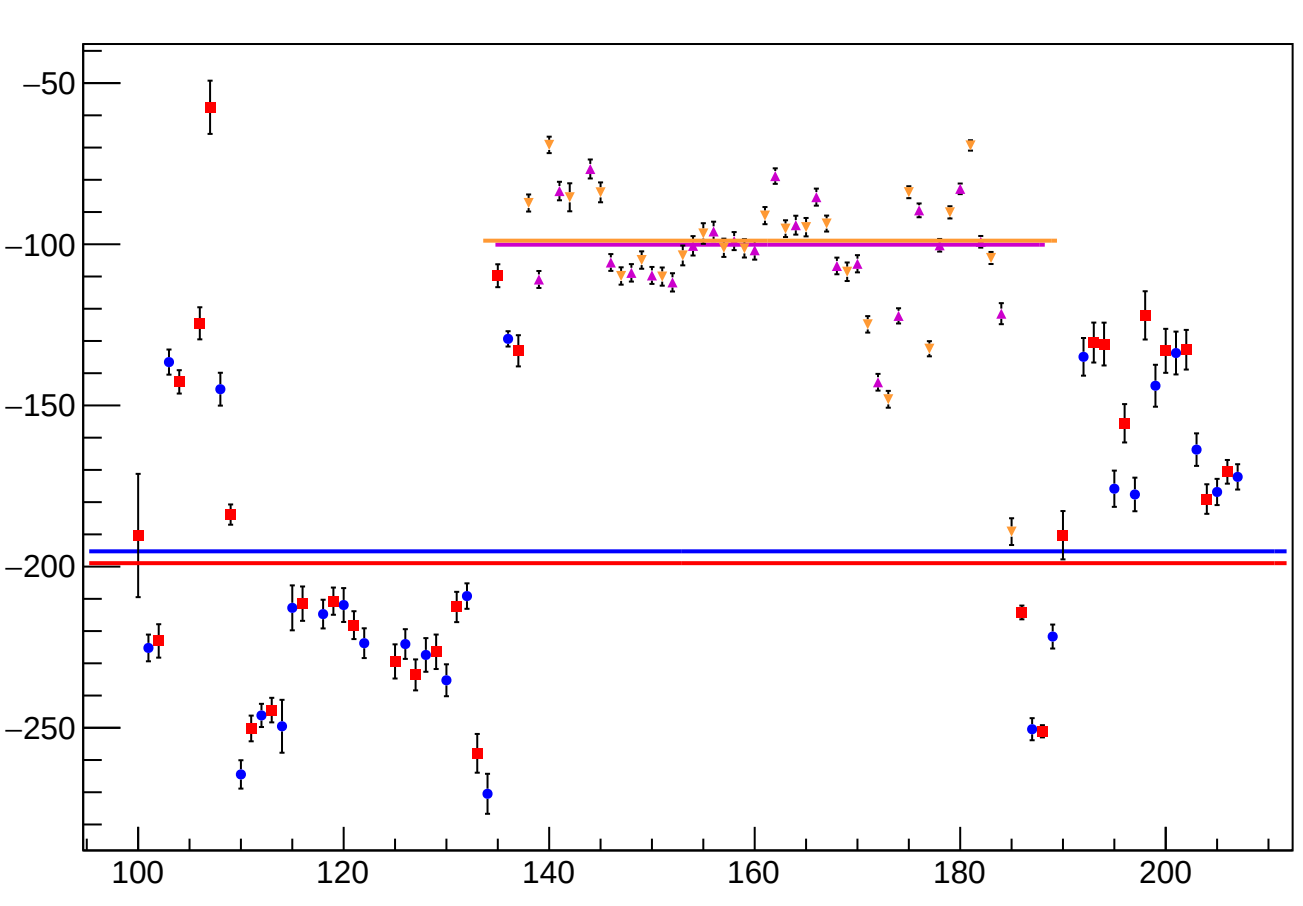
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: -0.403+/-0.634 χ^2/NDF: 574.2/54

In: 7.621+/-0.374 χ^2/NDF:1427.8/48

Out: 7.373+/-0.365 χ^2/NDF:1638.8/52

All: 7.494+/-0.261 χ^2/NDF: 3066.8/101



Right In: -195.260+/-0.871 χ^2/NDF: 2694.0/25

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

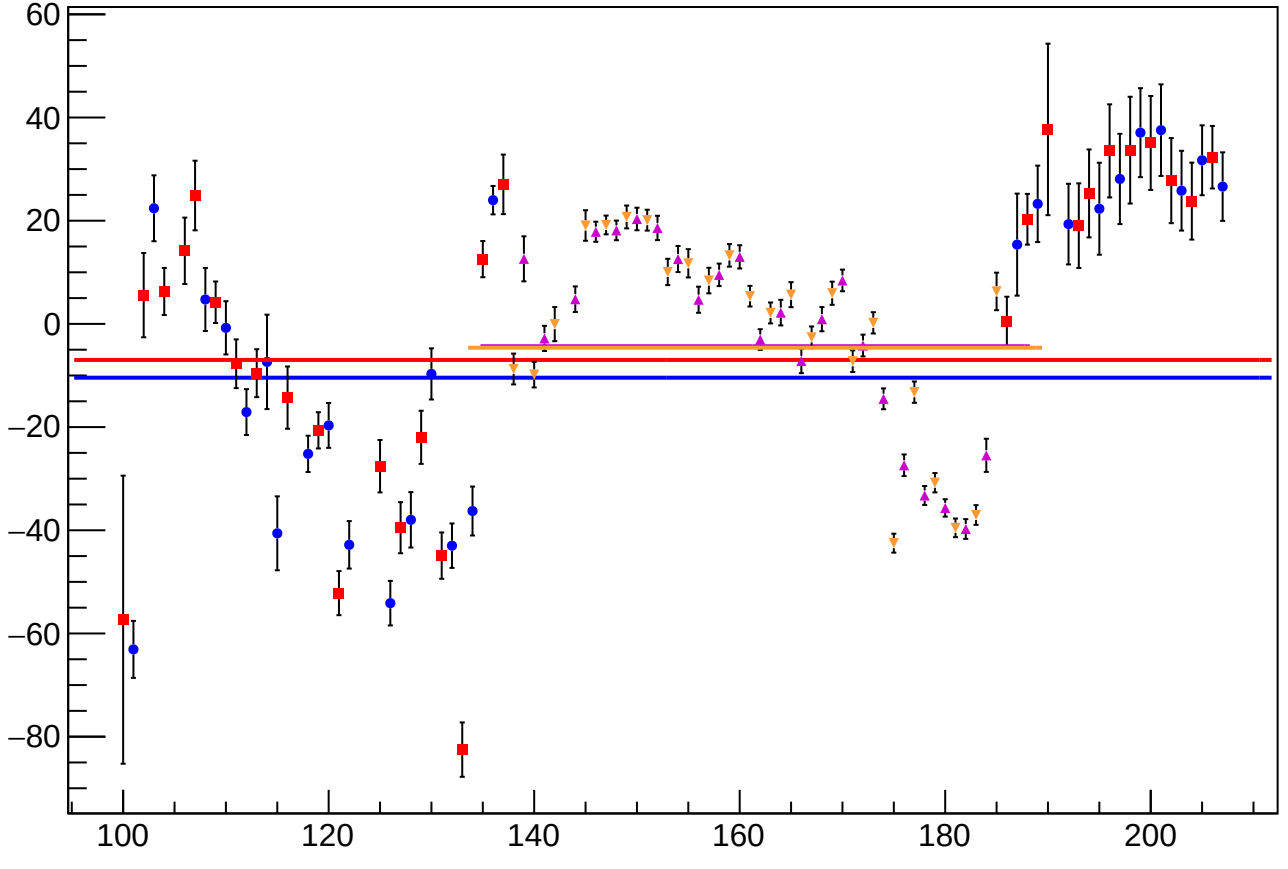
Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

Right: -197.295+/-0.582 χ^2/NDF: 6361.4/54

In: -125.127+/-0.447 χ^2/NDF:12310.3/48

Out: -129.107+/-0.430 χ^2/NDF:16921.3/52

All: -127.195+/-0.310 χ^2/NDF: 29272.8/101



Right In: -10.428+/-1.053 χ^2/NDF: 816.8/25

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

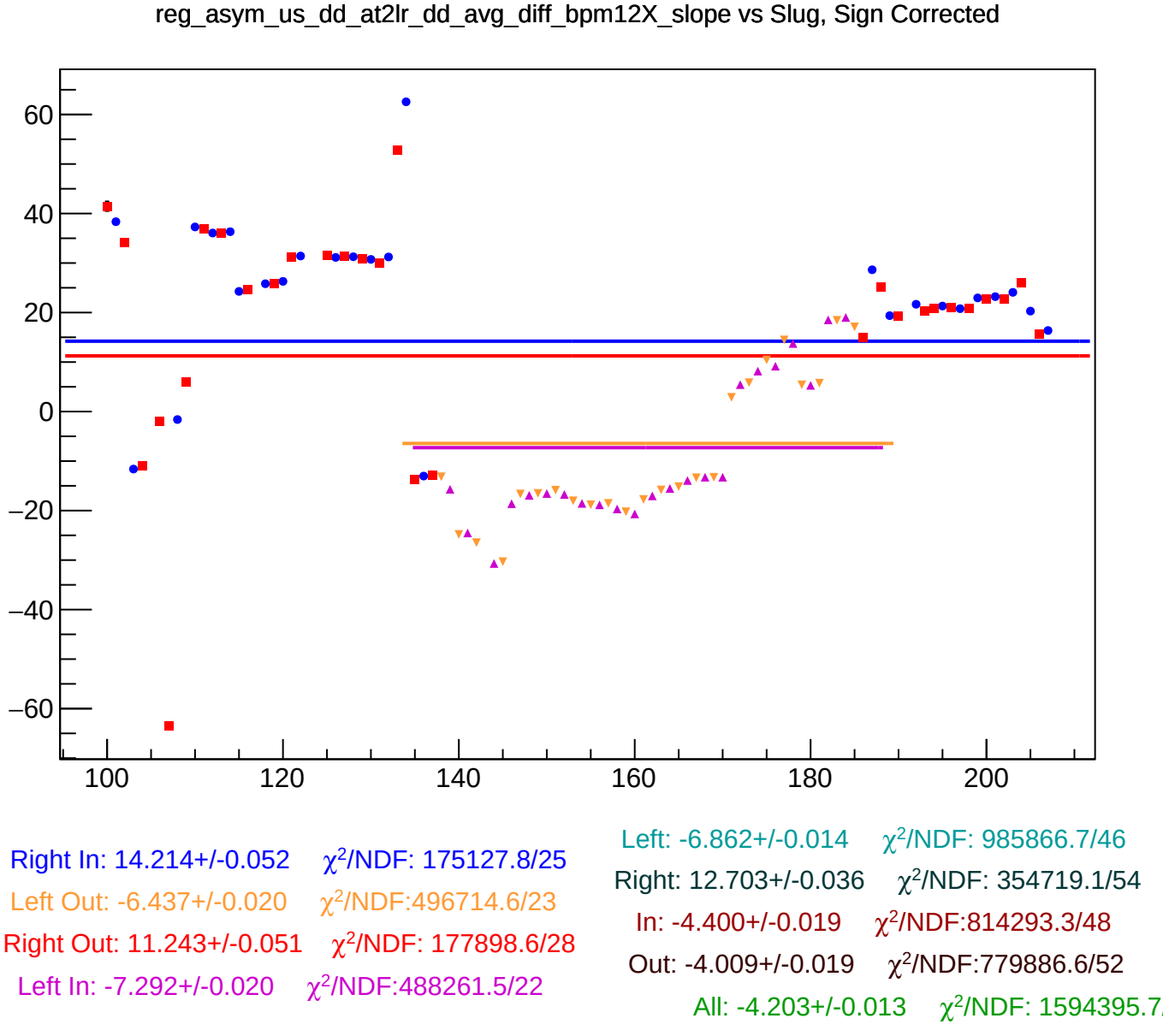
Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

Right: -8.660+/-0.735 χ^2/NDF: 1615.1/54

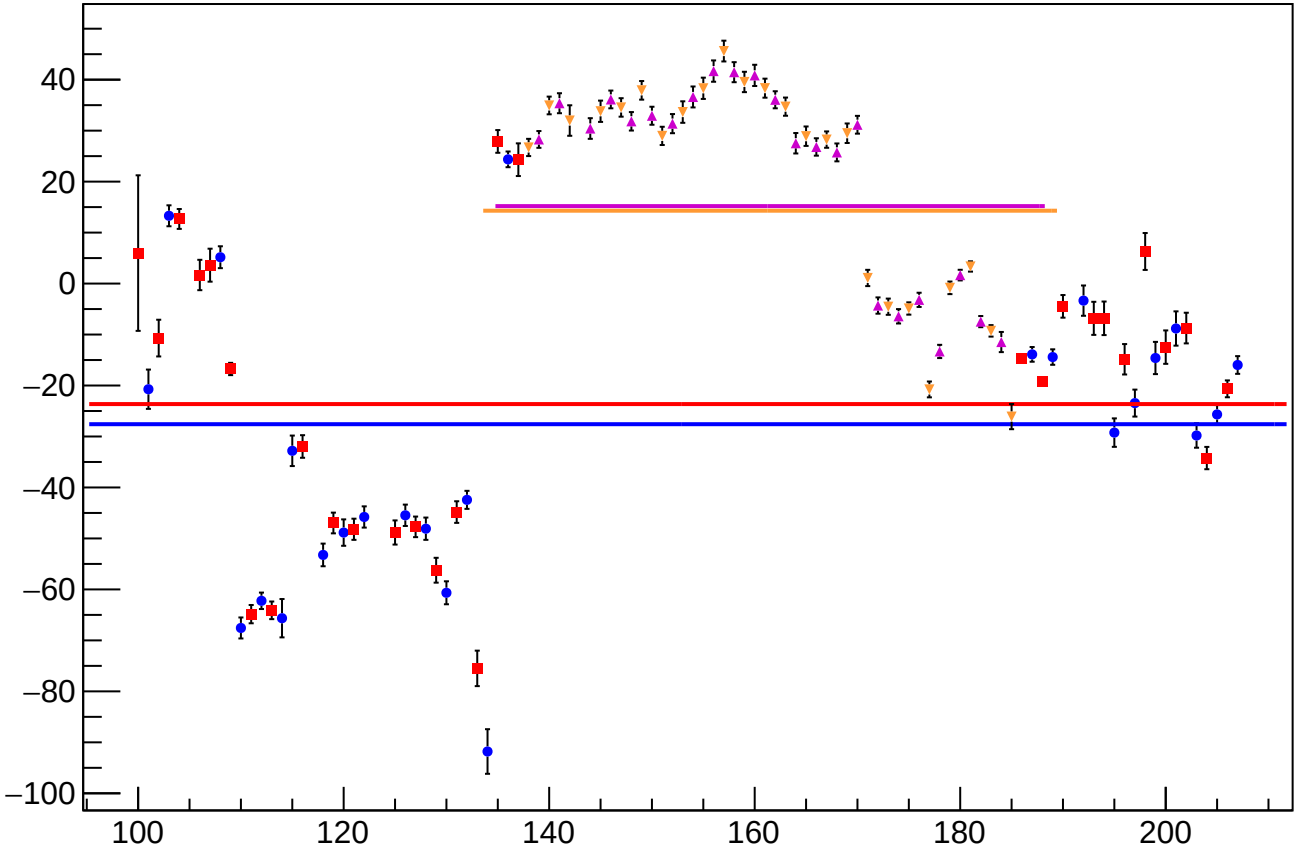
In: -5.301+/-0.421 χ^2/NDF:2699.1/48

Out: -5.002+/-0.413 χ^2/NDF:2875.6/52

All: -5.149+/-0.295 χ^2/NDF: 5575.0/101


reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 14.214+/-0.052 χ²/NDF: 175127.8/25
Left Out: -6.437+/-0.020 χ²/NDF:496714.6/23
Right Out: 11.243+/-0.051 χ²/NDF: 177898.6/28
Left In: -7.292+/-0.020 χ²/NDF:488261.5/22
Left: -6.862+/-0.014 χ²/NDF: 985866.7/46
Right: 12.703+/-0.036 χ²/NDF: 354719.1/54
In: -4.400+/-0.019 χ²/NDF:814293.3/48
Out: -4.009+/-0.019 χ²/NDF:779886.6/52
All: -4.203+/-0.013 χ²/NDF: 1594395.7/101

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -27.588+/-0.422 χ^2/NDF: 3980.6/25

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

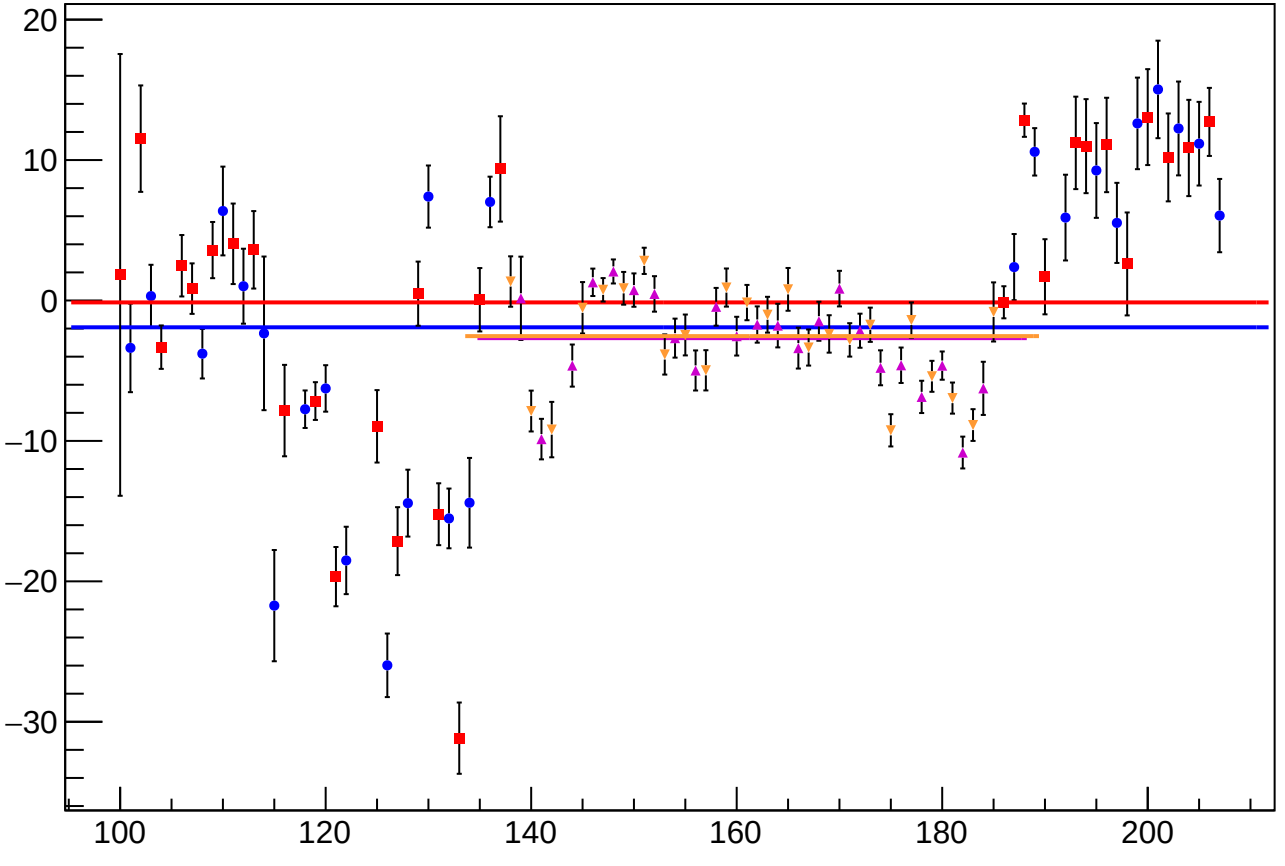
Right: -25.312+/-0.274 χ^2/NDF: 7831.3/54

In: -1.626+/-0.264 χ^2/NDF:13633.4/48

Out: -3.248+/-0.246 χ^2/NDF:13449.3/52

All: -2.496+/-0.180 χ^2/NDF: 27102.9/101

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.910+/-0.464 χ^2/NDF: 521.2/25

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

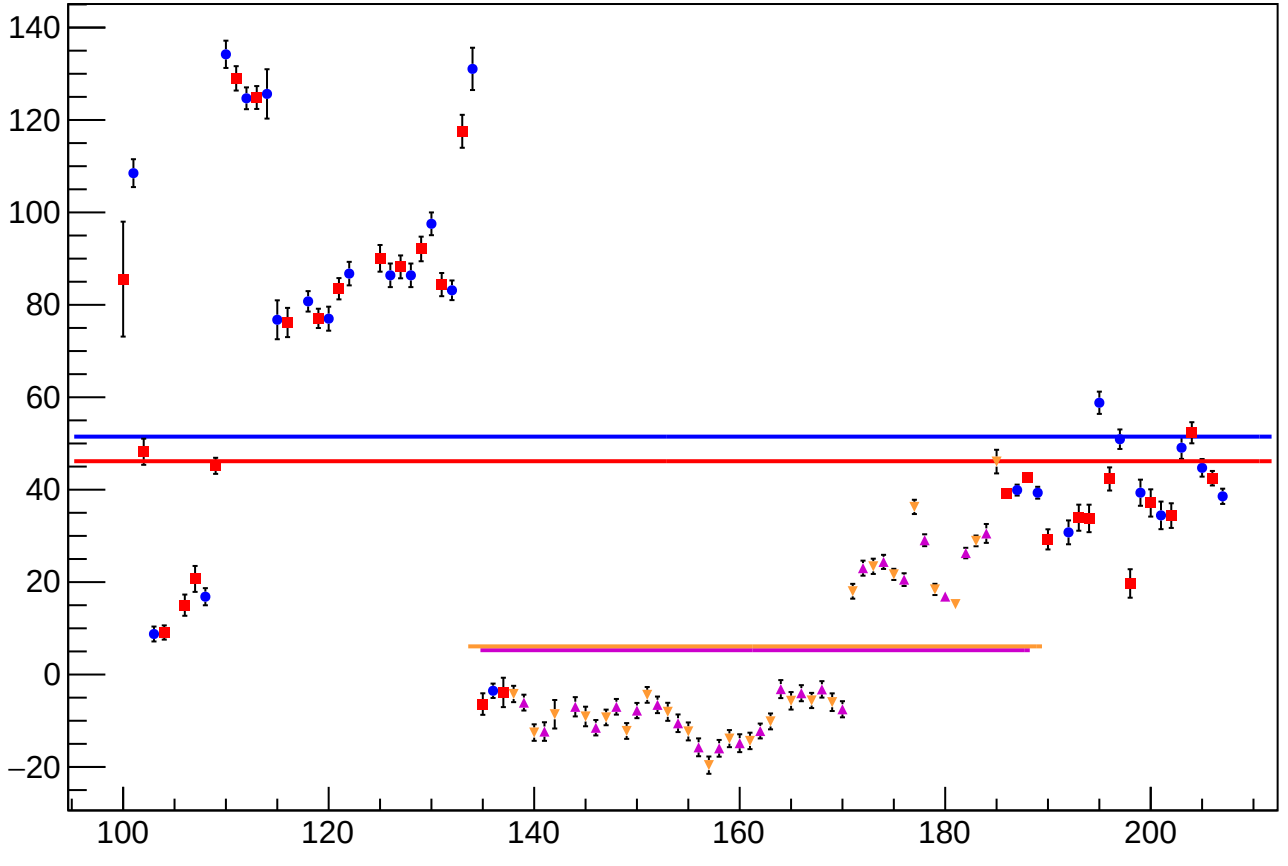
Right: -0.915+/-0.308 χ^2/NDF: 1154.0/54

In: -2.492+/-0.230 χ^2/NDF:705.3/48

Out: -1.855+/-0.219 χ^2/NDF:847.5/52

All: -2.158+/-0.159 χ^2/NDF: 1556.8/101

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 51.482+/-0.417 χ^2/NDF: 6728.2/25

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

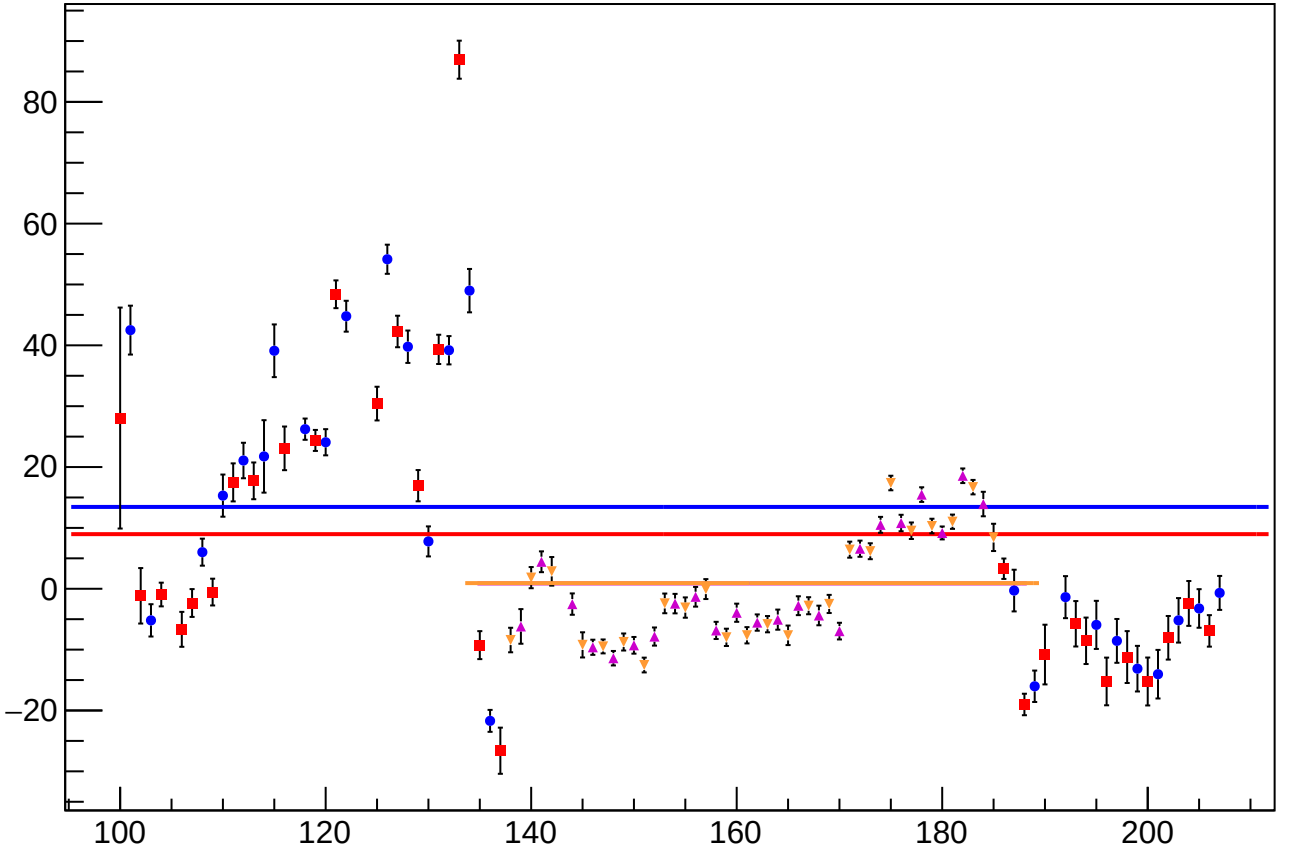
Right: 48.311+/-0.265 χ^2/NDF: 12784.1/54

In: 23.491+/-0.262 χ^2/NDF:16614.7/48

Out: 25.506+/-0.239 χ^2/NDF:15752.2/52

All: 24.590+/-0.177 χ^2/NDF: 32399.2/101

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.447+/-0.547 χ^2/NDF: 1785.4/25

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

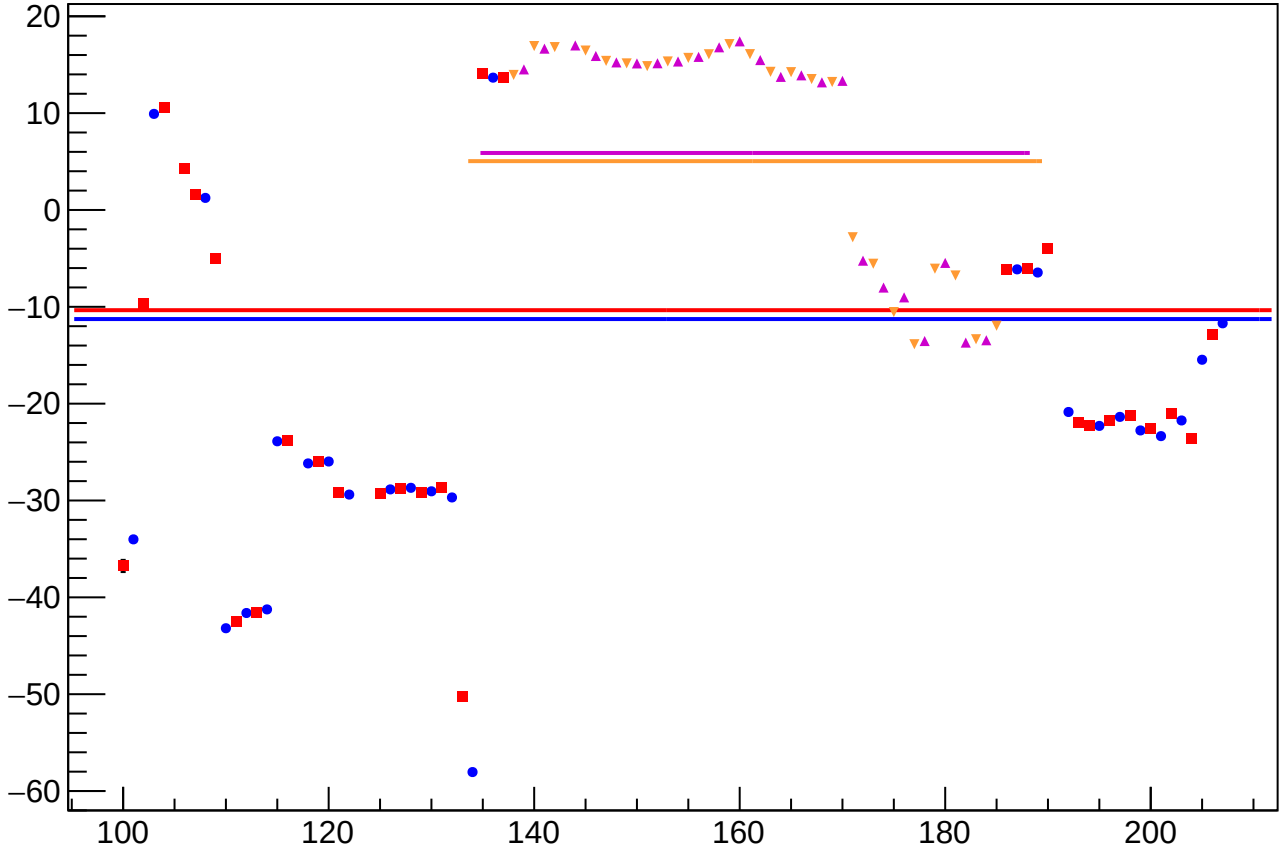
Right: 11.020+/-0.370 χ^2/NDF: 3987.2/54

In: 3.740+/-0.261 χ^2/NDF:3198.6/48

Out: 2.958+/-0.252 χ^2/NDF:3398.9/52

All: 3.336+/-0.181 χ^2/NDF: 6602.2/101

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.264+/-0.025 χ^2/NDF: 487851.0/25

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

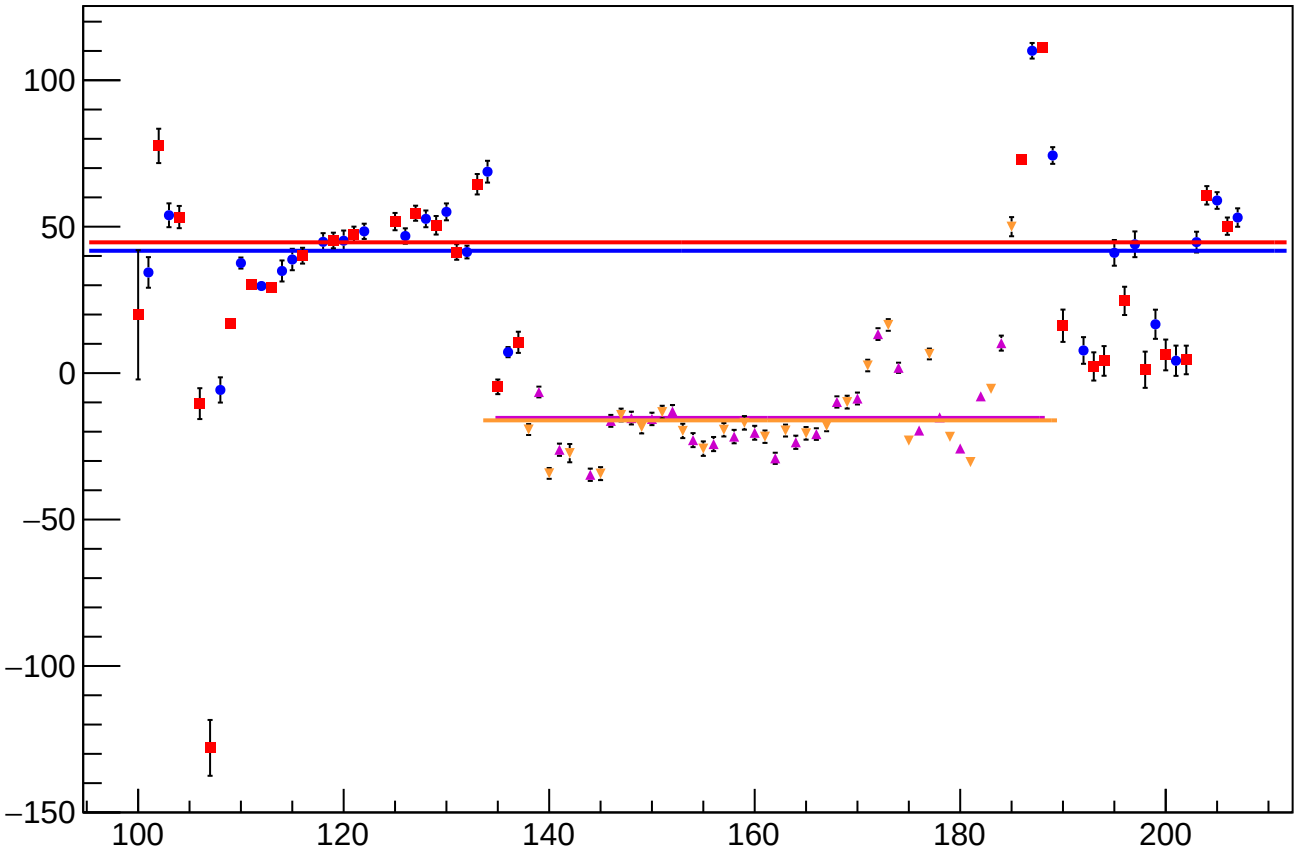
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -10.787+/-0.017 χ^2/NDF: 895912.9/54

In: 2.213+/-0.012 χ^2/NDF:1698668.2/48

Out: 1.563+/-0.011 χ^2/NDF:1576770.9/52

All: 1.883+/-0.008 χ^2/NDF: 3277017.1/101



Right In: 41.772+/-0.566 χ^2/NDF: 1667.7/25

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

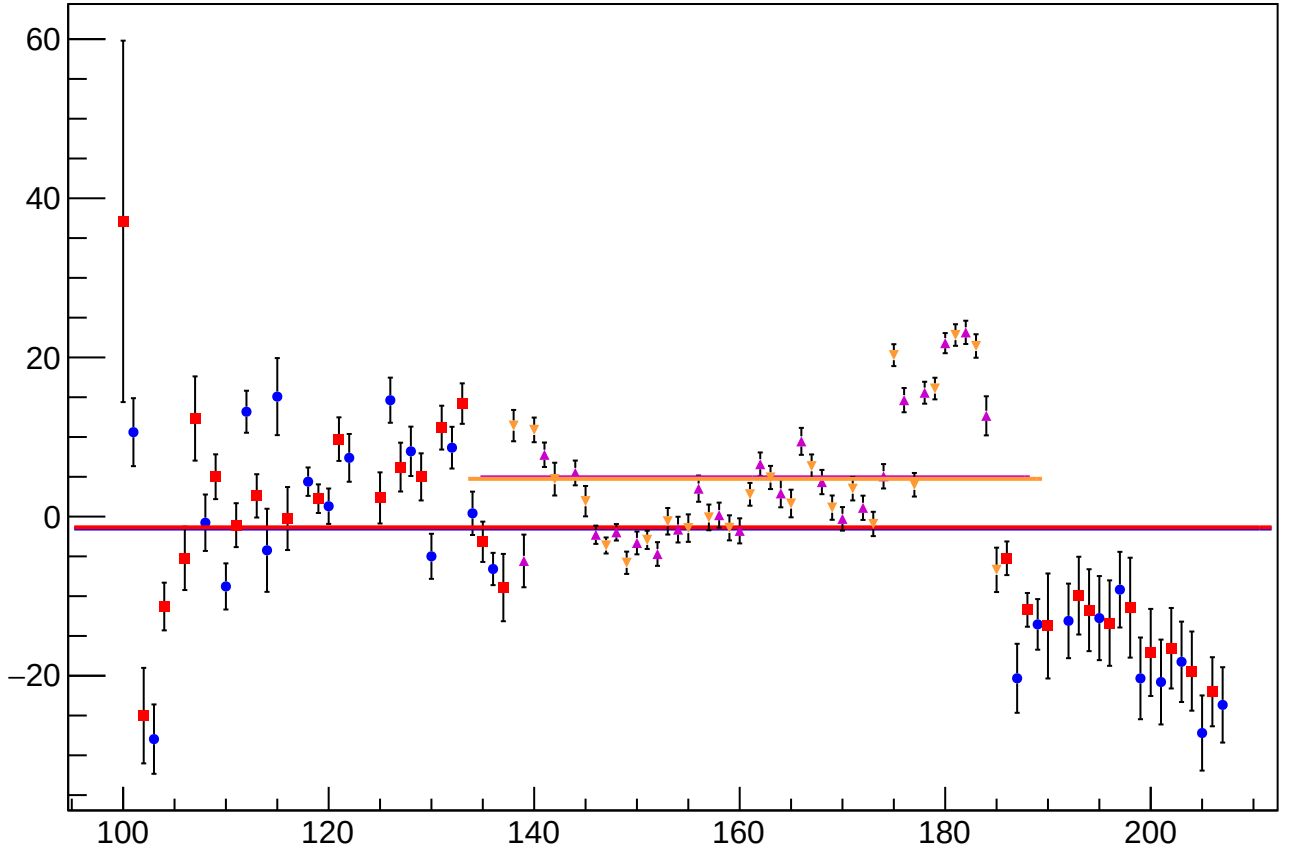
Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

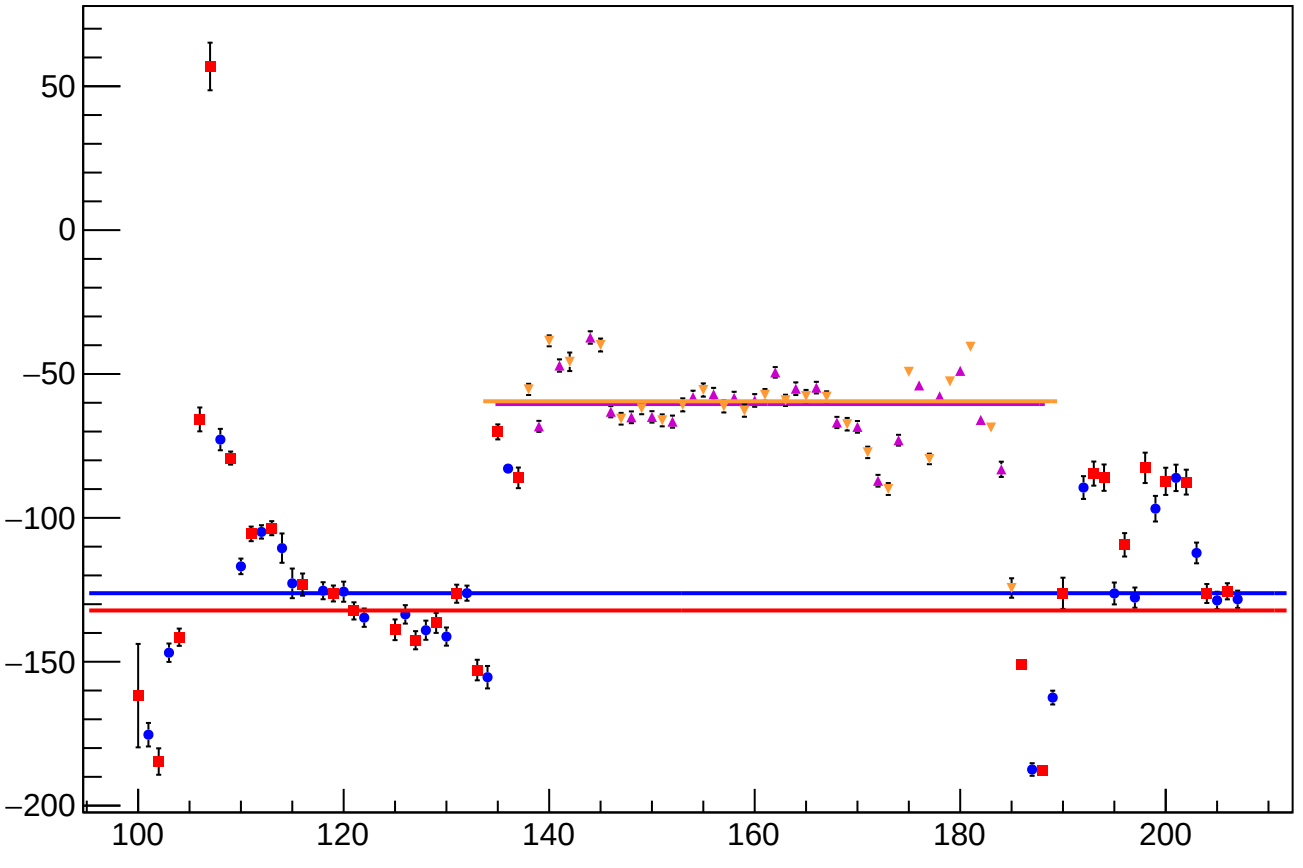
Right: 43.351+/-0.381 χ^2/NDF: 5776.3/54

In: 3.900+/-0.328 χ^2/NDF:9166.4/48

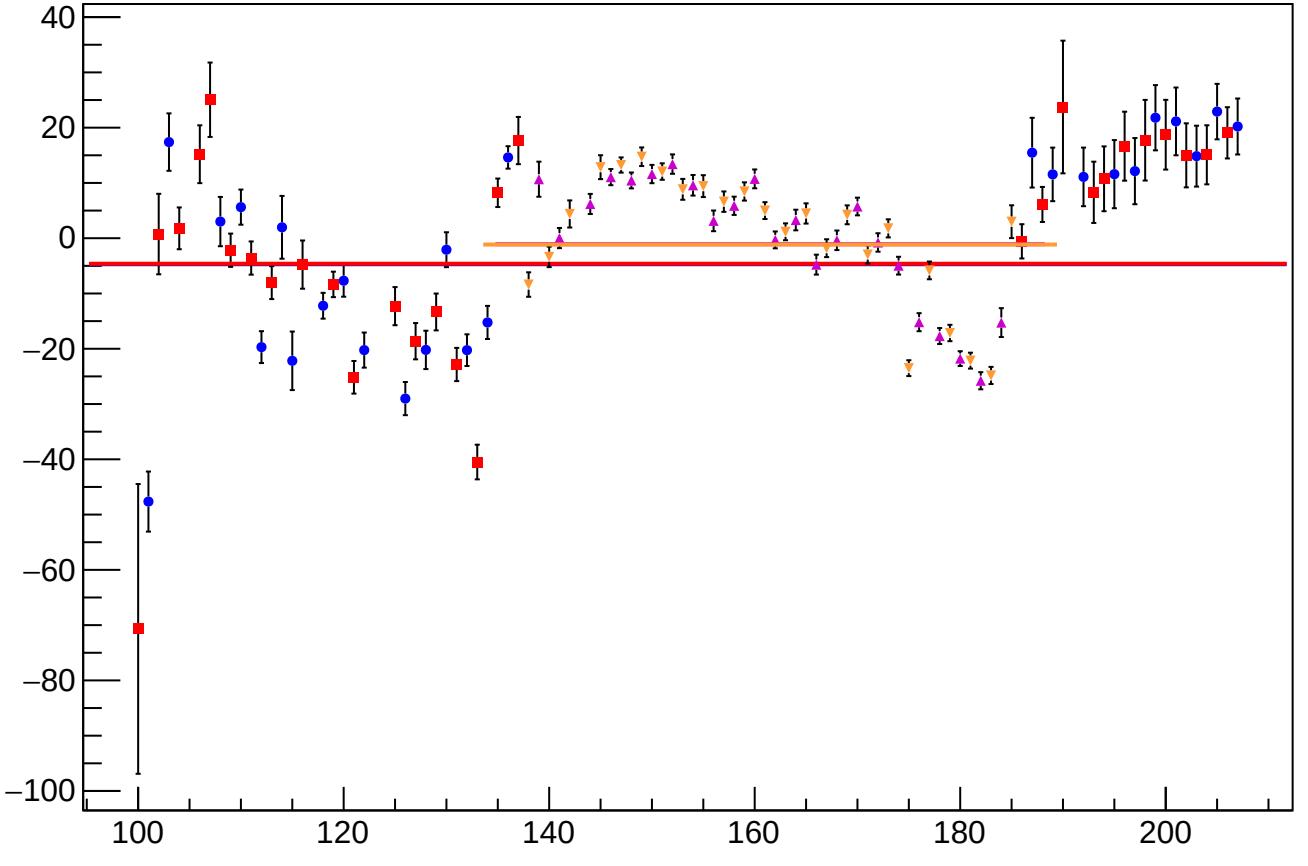
Out: 6.588+/-0.315 χ^2/NDF:14182.5/52

All: 5.301+/-0.227 χ^2/NDF: 23383.8/101


reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
60
40
20
0
−20
100
120
140
160
180
200
Right In: -1.501+/-0.631 χ²/NDF: 316.4/25
Left Out: 4.745+/-0.307 χ²/NDF:793.8/23
Right Out: -1.353+/-0.605 χ²/NDF: 237.2/28
Left In: 4.935+/-0.313 χ²/NDF:688.4/22
Left: 4.838+/-0.219 χ²/NDF: 1482.3/46
Right: -1.424+/-0.437 χ²/NDF: 553.6/54
In: 3.664+/-0.280 χ²/NDF:1088.2/48
Out: 3.500+/-0.273 χ²/NDF:1111.8/52
All: 3.580+/-0.196 χ²/NDF: 2200.2/101


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: -126.179+/-0.604 χ²/NDF: 2449.0/25
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: -129.540+/-0.401 χ²/NDF: 7829.5/54
In: -80.432+/-0.333 χ²/NDF:11354.1/48
Out: -85.075+/-0.318 χ²/NDF:18628.3/52
All: -82.863+/-0.230 χ²/NDF: 30084.0/101

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -4.704+/-0.725 χ^2/NDF: 537.7/25

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

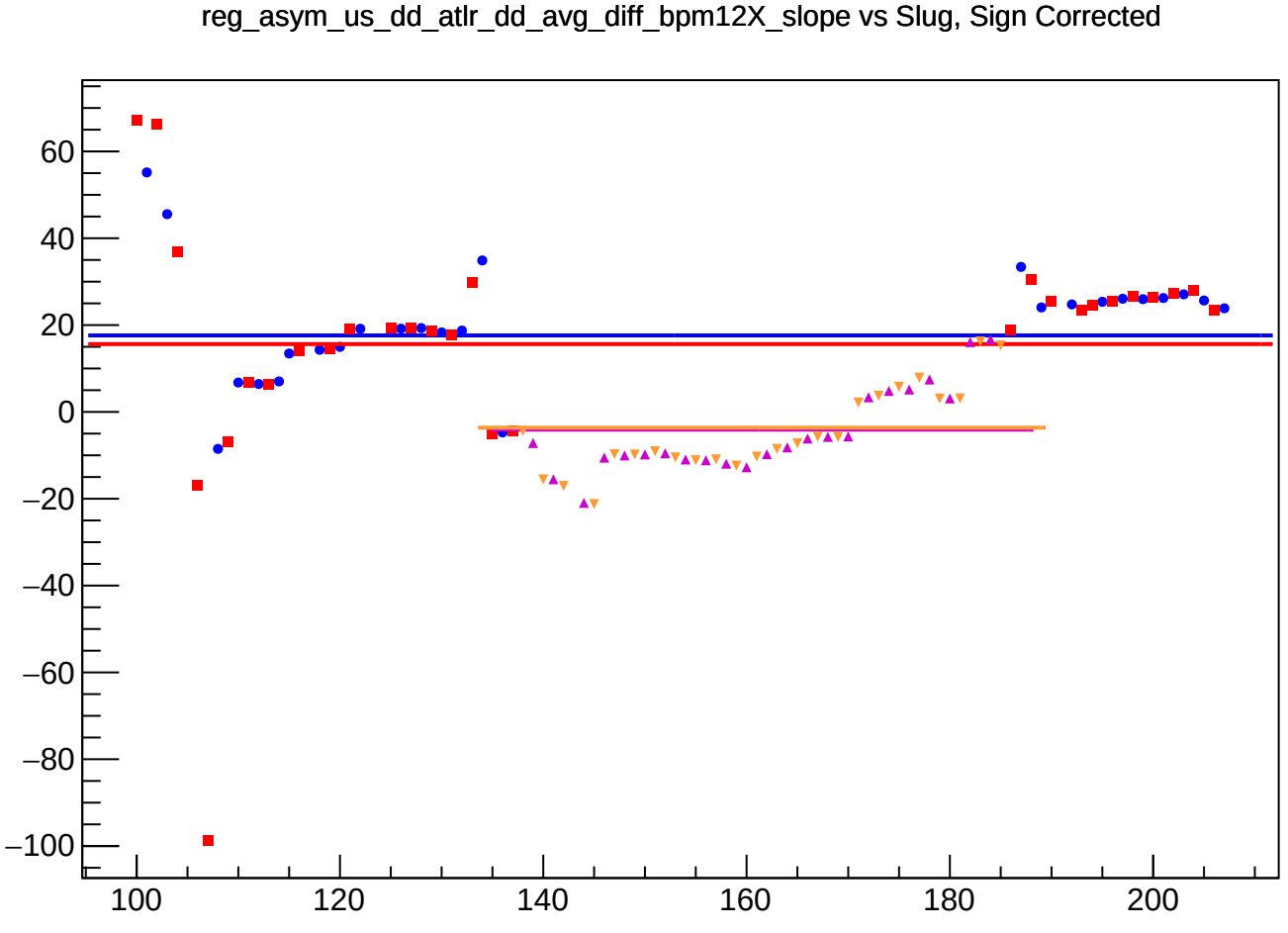
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -4.661+/-0.508 χ^2/NDF: 1001.0/54

In: -1.773+/-0.316 χ^2/NDF:1715.3/48

Out: -1.808+/-0.311 χ^2/NDF:1785.5/52

All: -1.791+/-0.222 χ^2/NDF: 3500.9/101



Right In: 17.614+/-0.037 χ^2/NDF: 209628.0/25

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

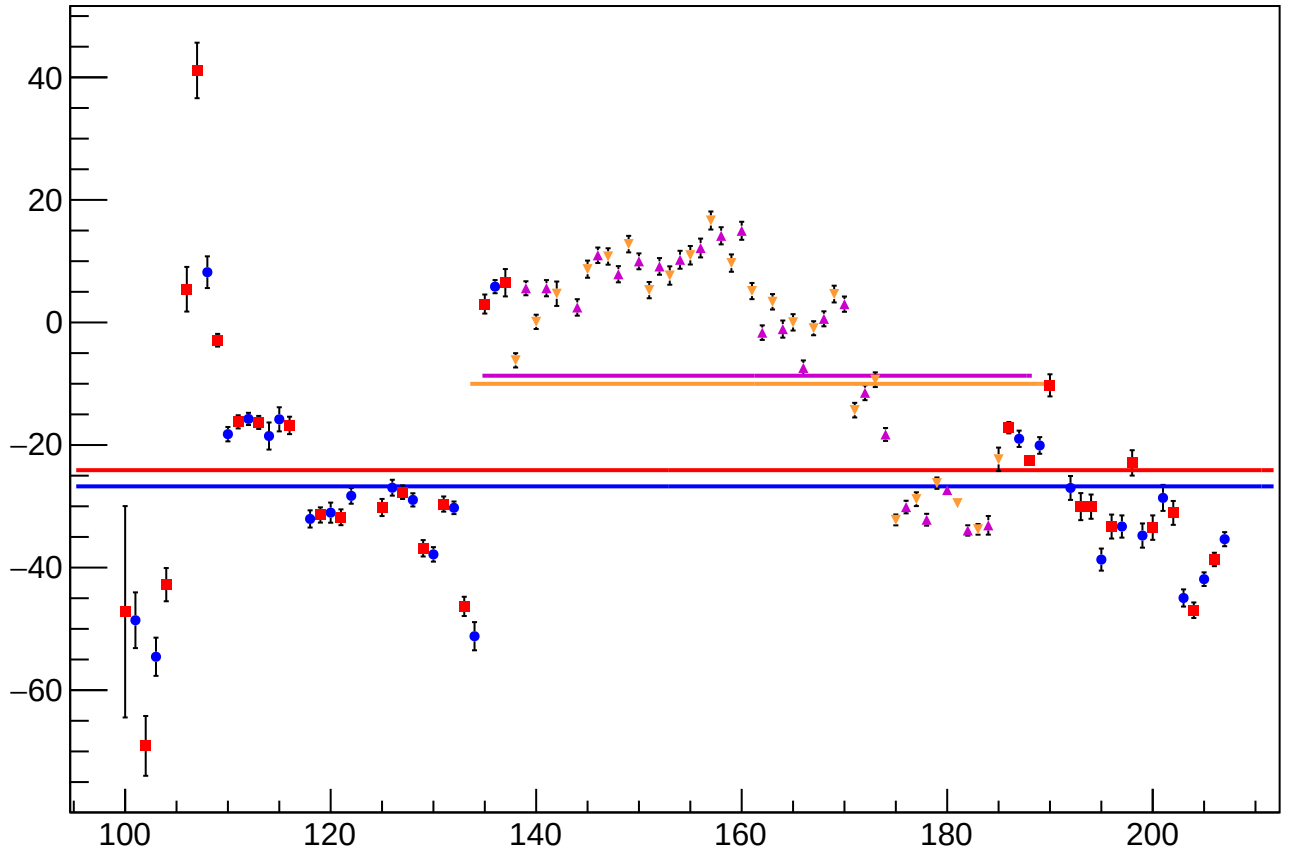
Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

Right: 16.616+/-0.026 χ^2/NDF: 554250.5/54

In: -0.800+/-0.014 χ^2/NDF:839051.5/48

Out: -0.741+/-0.014 χ^2/NDF:922766.7/52

All: -0.771+/-0.010 χ^2/NDF: 1761826.7/101



Right In: -26.746+/-0.281 χ^2/NDF: 2208.2/25

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

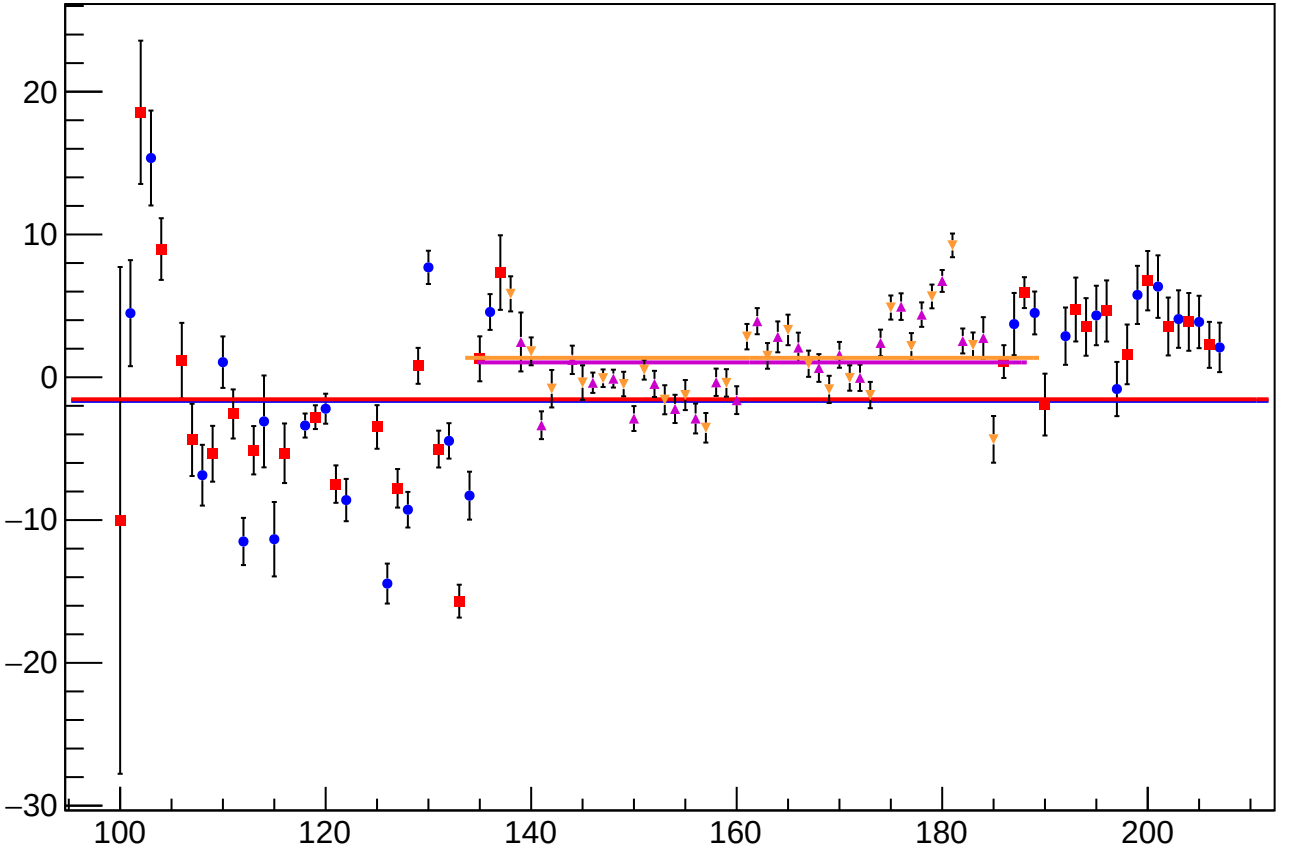
Right: -25.342+/-0.192 χ^2/NDF: 4812.4/54

In: -16.587+/-0.186 χ^2/NDF:9554.7/48

Out: -16.522+/-0.179 χ^2/NDF:9071.1/52

All: -16.553+/-0.129 χ^2/NDF: 18625.9/101

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.653+/-0.311 χ^2/NDF: 428.8/25

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

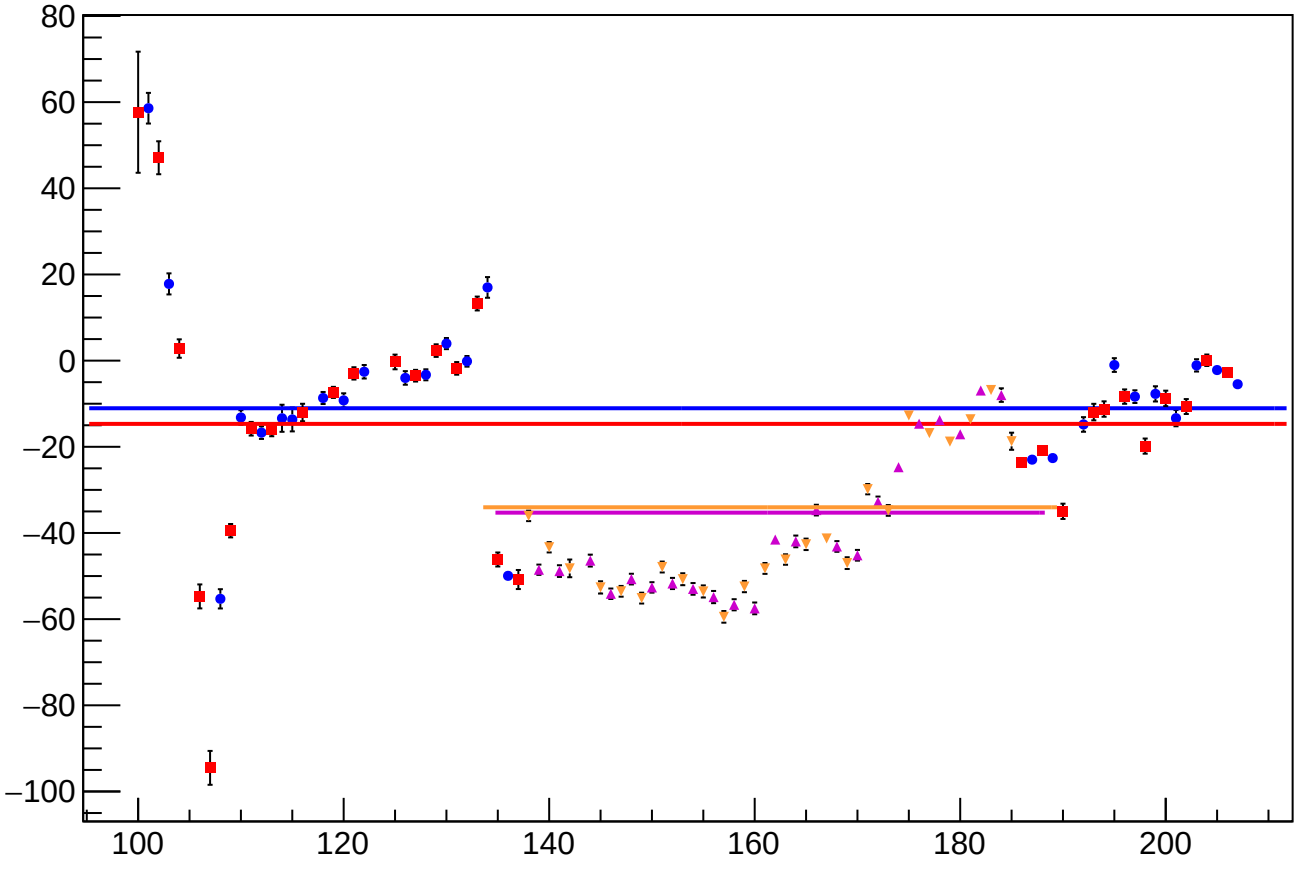
Right: -1.596+/-0.216 χ^2/NDF: 818.1/54

In: 0.295+/-0.164 χ^2/NDF:679.1/48

Out: 0.541+/-0.160 χ^2/NDF:696.7/52

All: 0.421+/-0.114 χ^2/NDF: 1377.0/101

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -11.052+/-0.295 χ^2/NDF: 3063.7/25

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

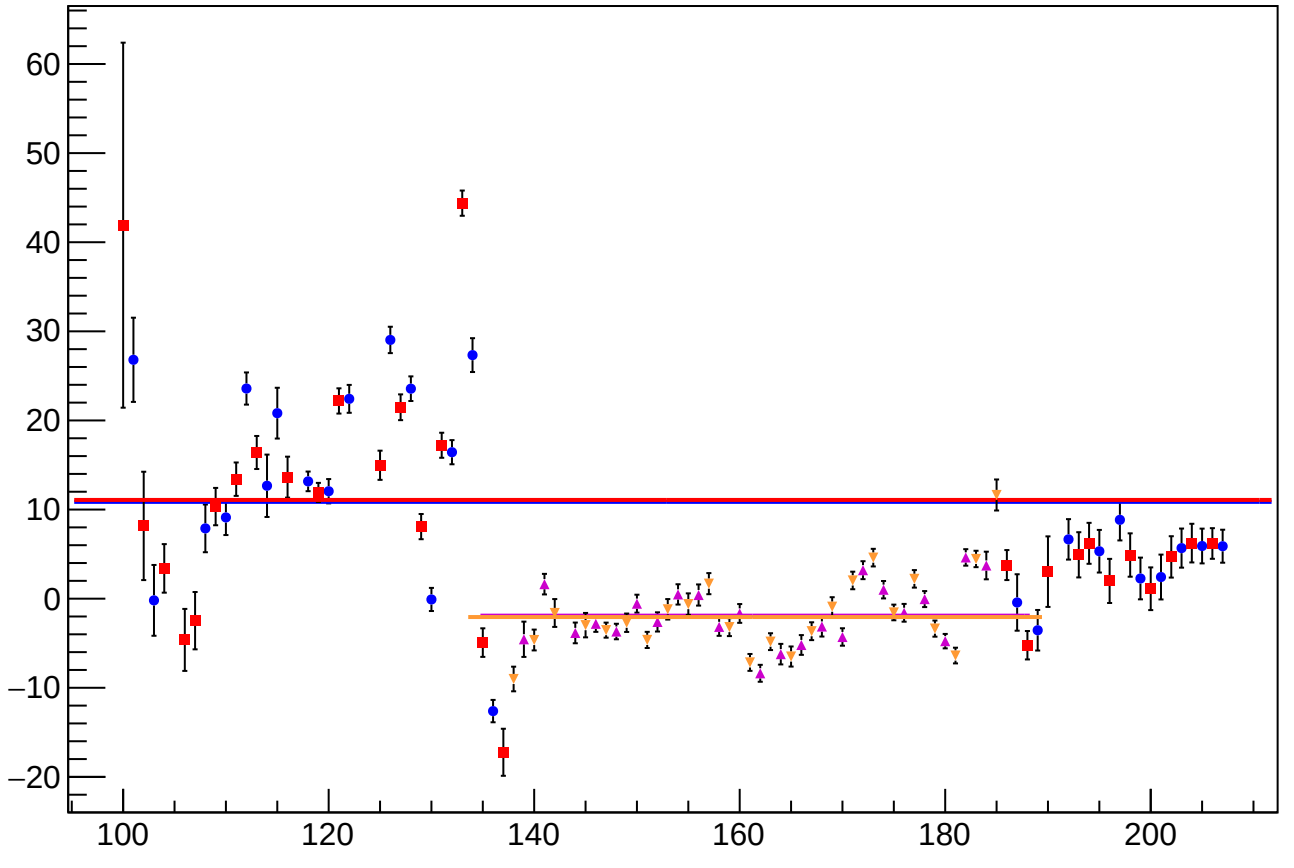
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

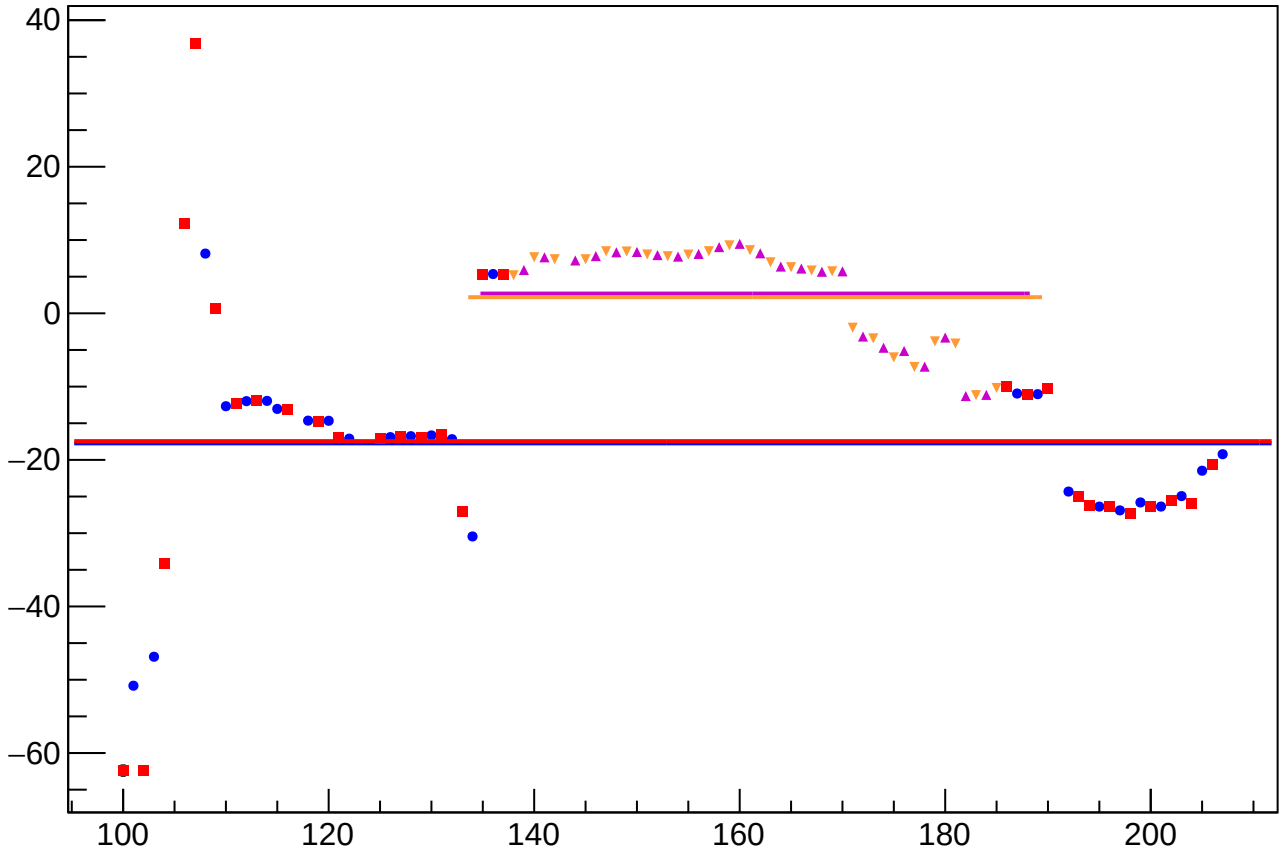
Right: -13.044+/-0.198 χ^2/NDF: 6453.9/54

In: -25.369+/-0.189 χ^2/NDF:12051.2/48

Out: -25.297+/-0.180 χ^2/NDF:11148.2/52

All: -25.331+/-0.130 χ^2/NDF: 23199.5/101


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 10.864+/-0.359 χ²/NDF: 997.9/25
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 11.080+/-0.354 χ²/NDF: 1166.9/28
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 10.973+/-0.252 χ²/NDF: 2165.0/54
In: 1.495+/-0.185 χ²/NDF:2149.1/48
Out: 1.419+/-0.182 χ²/NDF:2514.8/52
All: 1.457+/-0.130 χ²/NDF: 4663.9/101



Right In: -17.743+/-0.018 χ^2/NDF: 498201.9/25

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

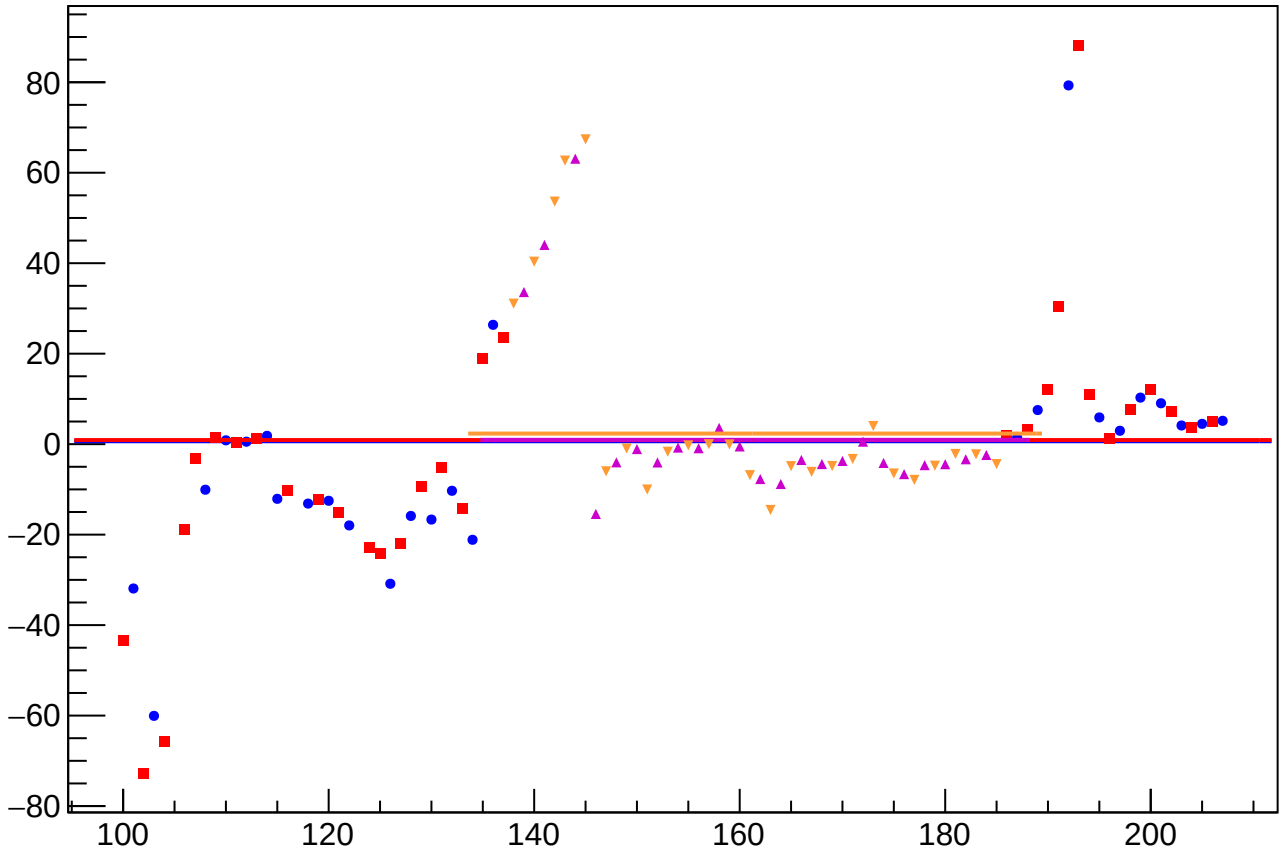
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -17.590+/-0.013 χ^2/NDF: 1081428.7/54

In: -1.750+/-0.008 χ^2/NDF:1992319.5/48

Out: -2.144+/-0.008 χ^2/NDF:2037416.0/52

All: -1.948+/-0.006 χ^2/NDF: 4030829.5/101



Right In: 0.646+/-0.041 χ^2/NDF: 119398.0/25

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

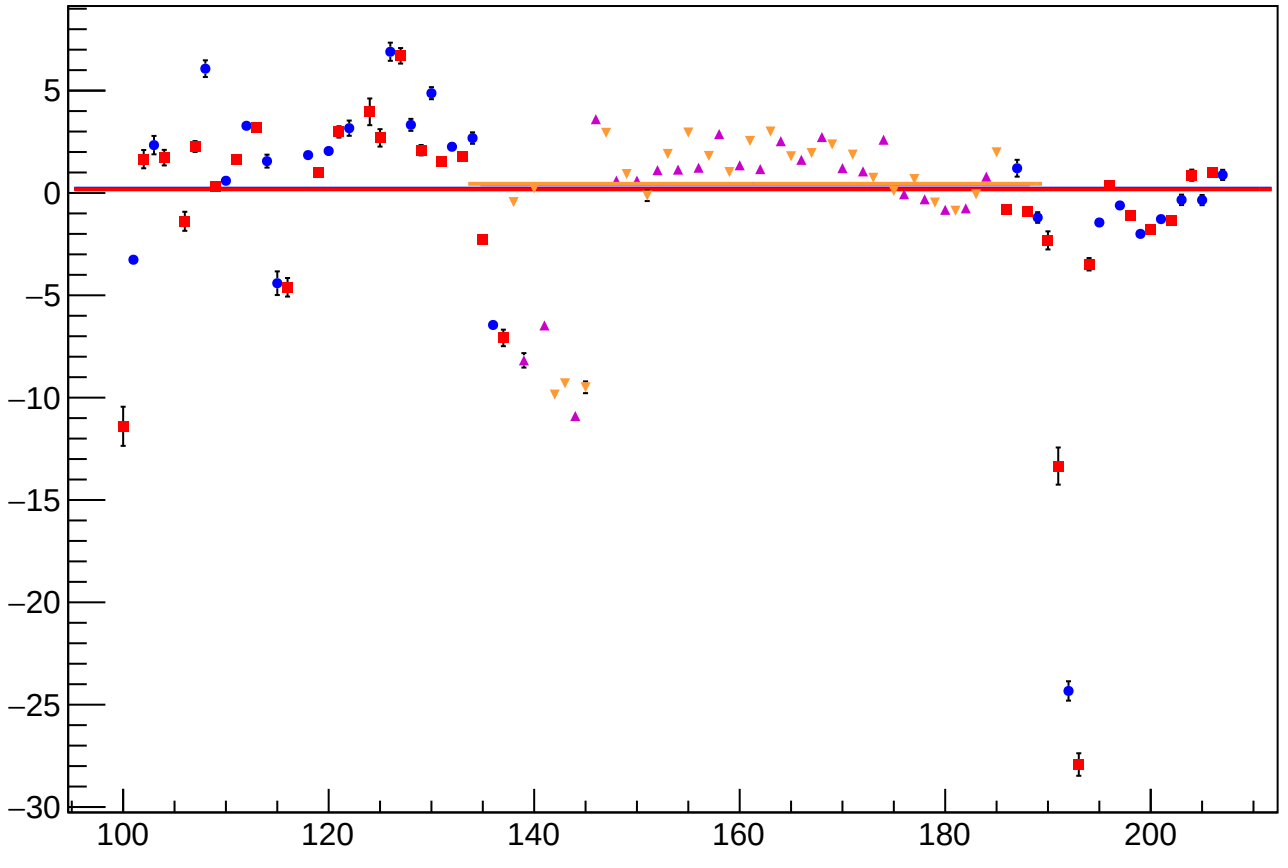
Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

Right: 0.792+/-0.027 χ^2/NDF: 240044.7/56

In: 0.805+/-0.029 χ^2/NDF:251947.5/48

Out: 1.540+/-0.027 χ^2/NDF:298320.2/55

All: 1.196+/-0.020 χ^2/NDF: 550620.6/104



Right In: 0.207+/-0.047 χ^2/NDF: 5833.8/25

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

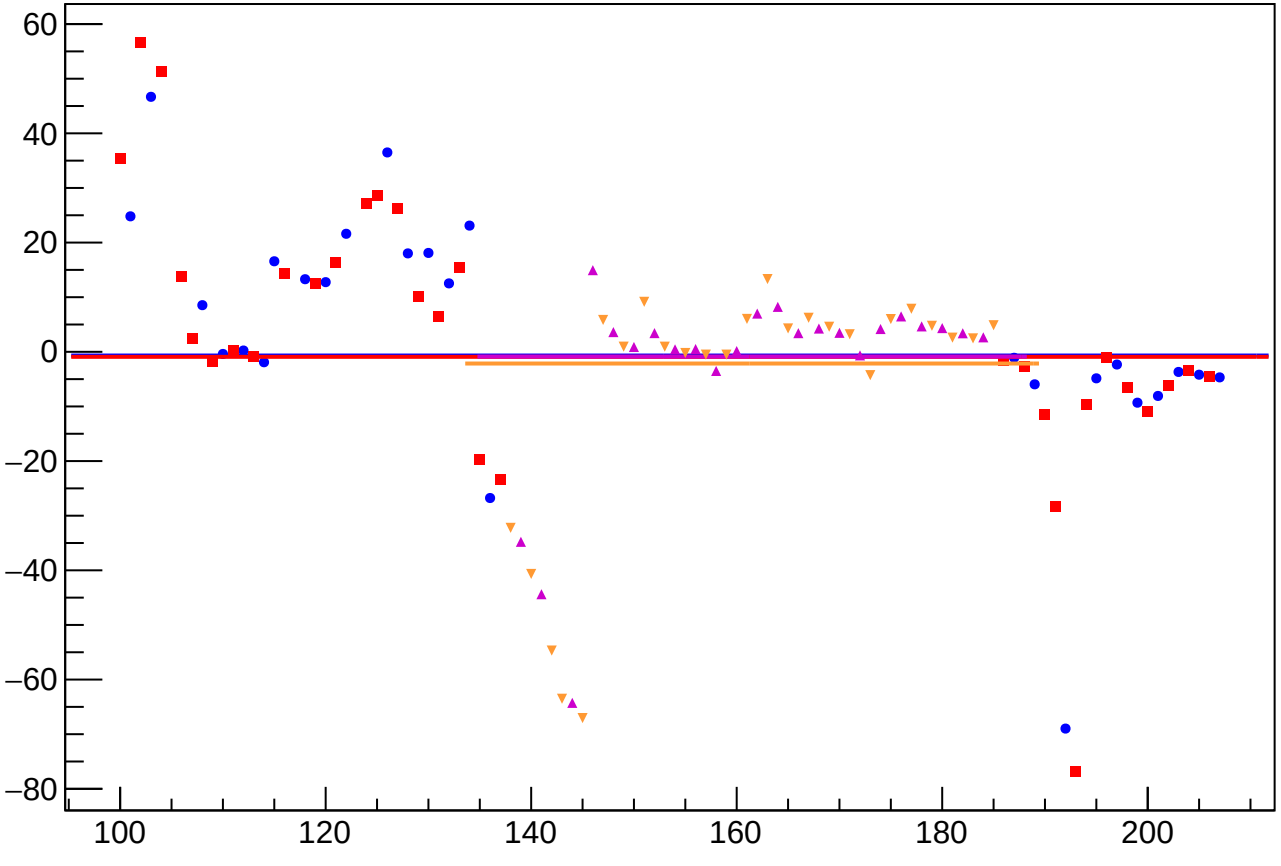
Right: 0.192+/-0.033 χ^2/NDF: 10924.8/56

In: 0.360+/-0.026 χ^2/NDF:12951.1/48

Out: 0.352+/-0.026 χ^2/NDF:12158.5/55

All: 0.356+/-0.019 χ^2/NDF: 25109.7/104

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.679+/-0.042 χ^2/NDF: 118238.6/25

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

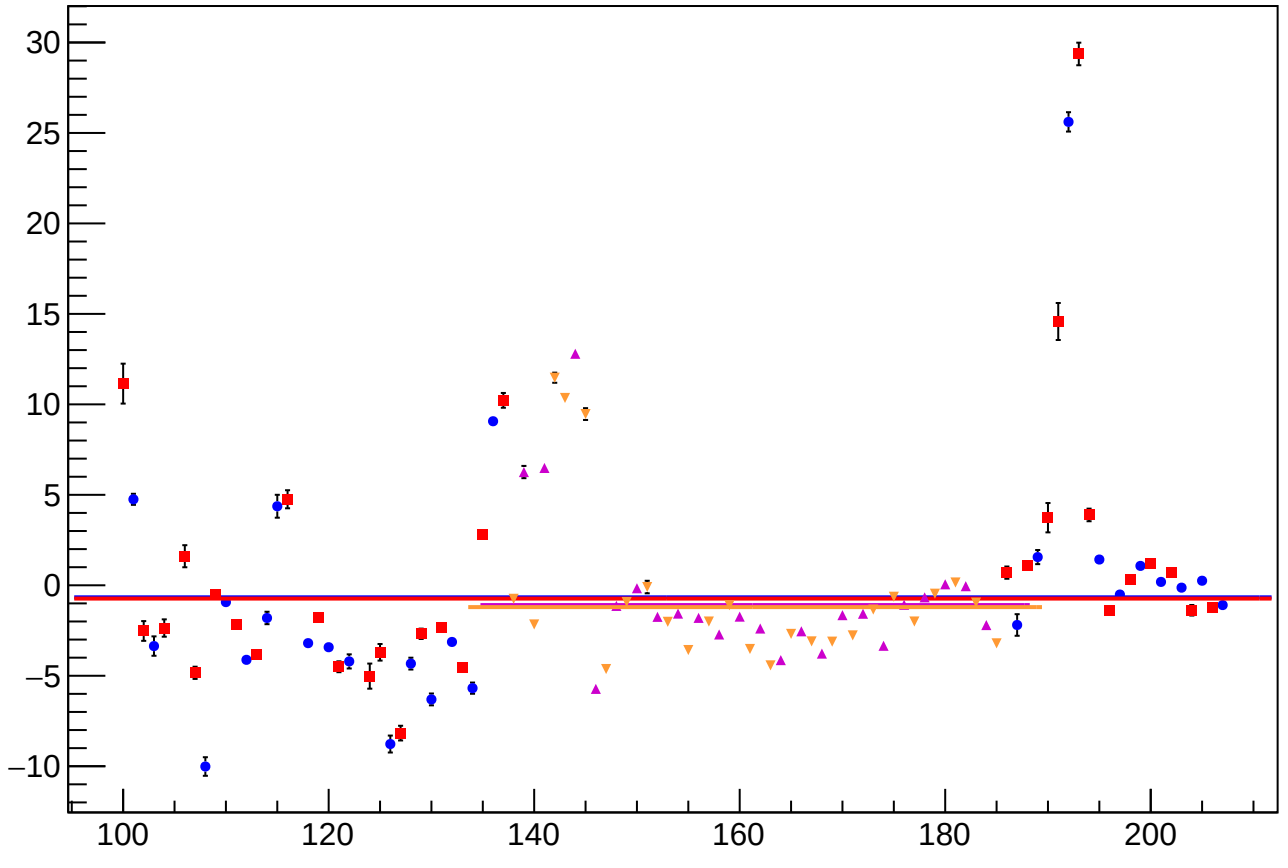
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -0.810+/-0.028 χ^2/NDF: 237182.7/56

In: -0.787+/-0.029 χ^2/NDF:247448.7/48

Out: -1.493+/-0.028 χ^2/NDF:290690.6/55

All: -1.155+/-0.020 χ^2/NDF: 538451.9/104



Right In: -0.665+/-0.055 χ^2/NDF: 7323.7/25

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

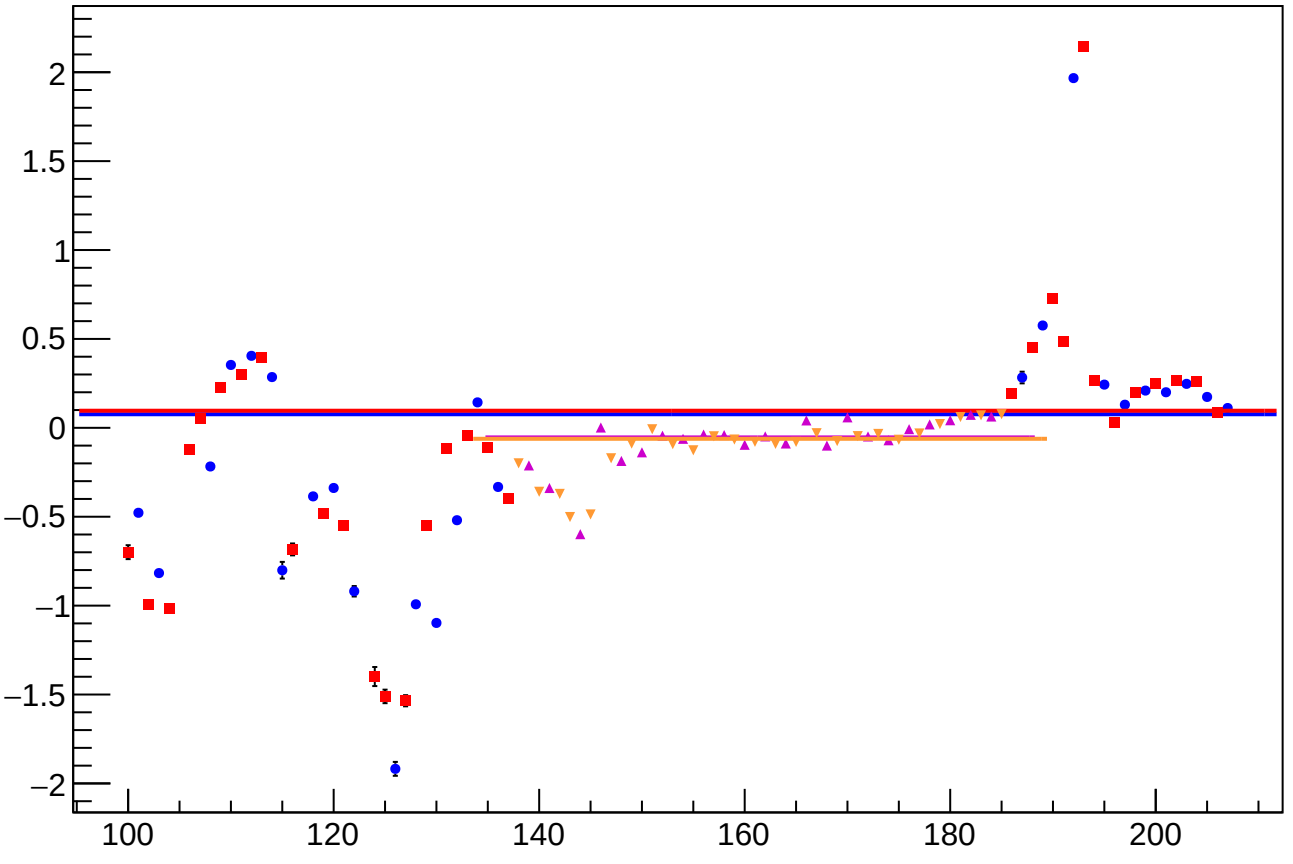
Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

Right: -0.701+/-0.038 χ^2/NDF: 12935.4/56

In: -0.971+/-0.029 χ^2/NDF:14396.2/48

Out: -1.051+/-0.030 χ^2/NDF:12669.4/55

All: -1.011+/-0.021 χ^2/NDF: 27069.3/104



Right In: 0.076+/-0.002 χ^2/NDF: 33999.1/25

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

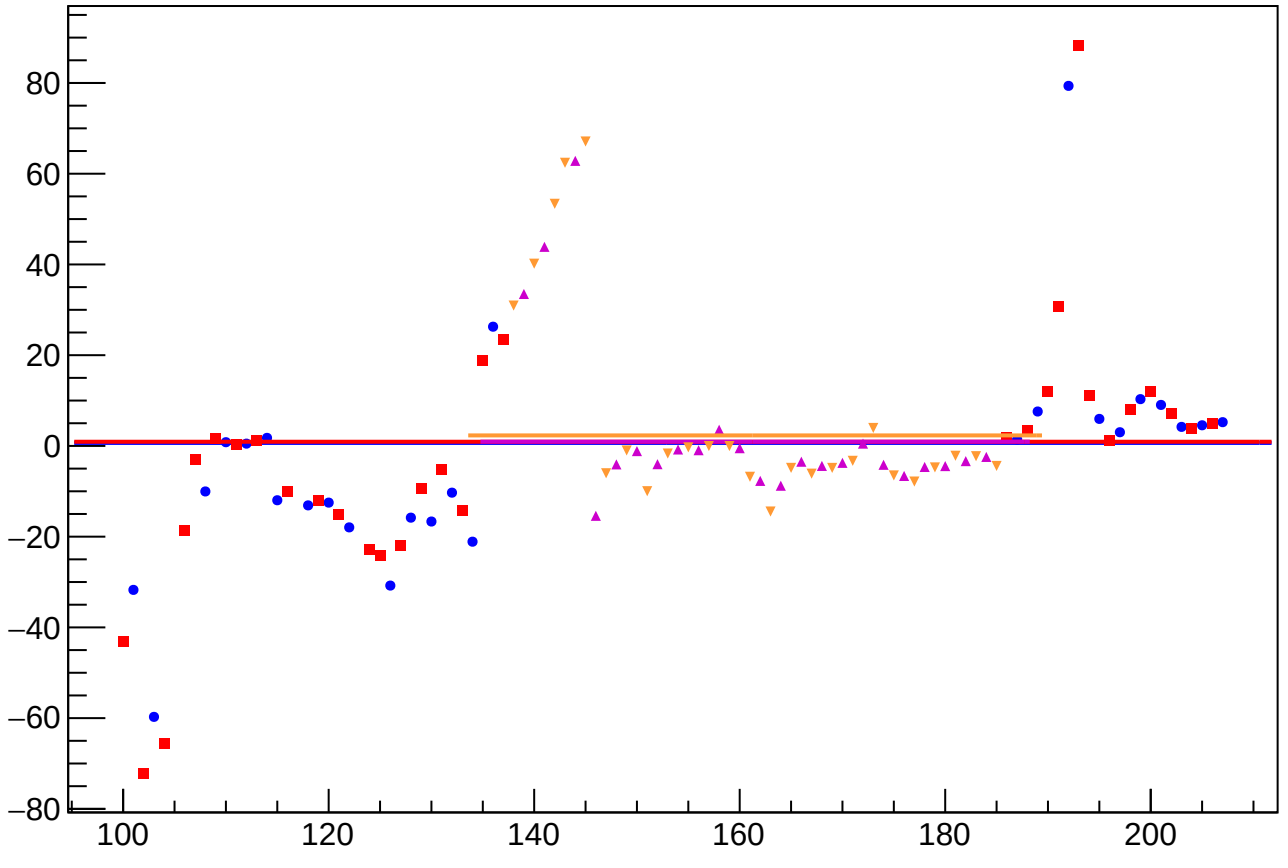
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.087+/-0.002 χ^2/NDF: 68672.8/56

In: -0.019+/-0.001 χ^2/NDF:41090.5/48

Out: -0.013+/-0.001 χ^2/NDF:43435.3/55

All: -0.016+/-0.001 χ^2/NDF: 84536.4/104



Right In: 0.663+/-0.041 χ^2/NDF: 119891.6/25

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

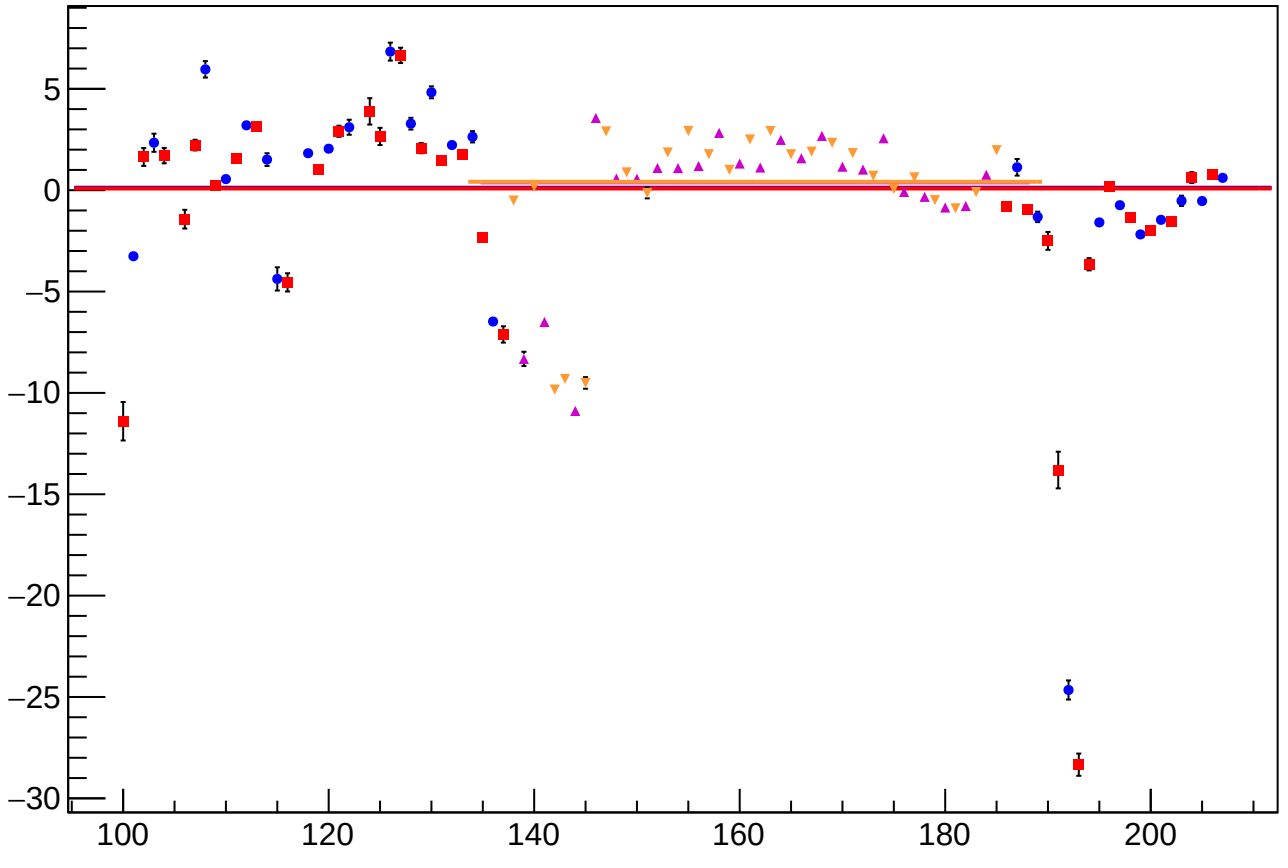
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.810+/-0.027 χ^2/NDF: 241086.3/56

In: 0.802+/-0.028 χ^2/NDF:252319.8/48

Out: 1.537+/-0.027 χ^2/NDF:298594.7/55

All: 1.193+/-0.019 χ^2/NDF: 551270.7/104



Right In: 0.122+/-0.047 χ^2/NDF: 5965.8/25

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

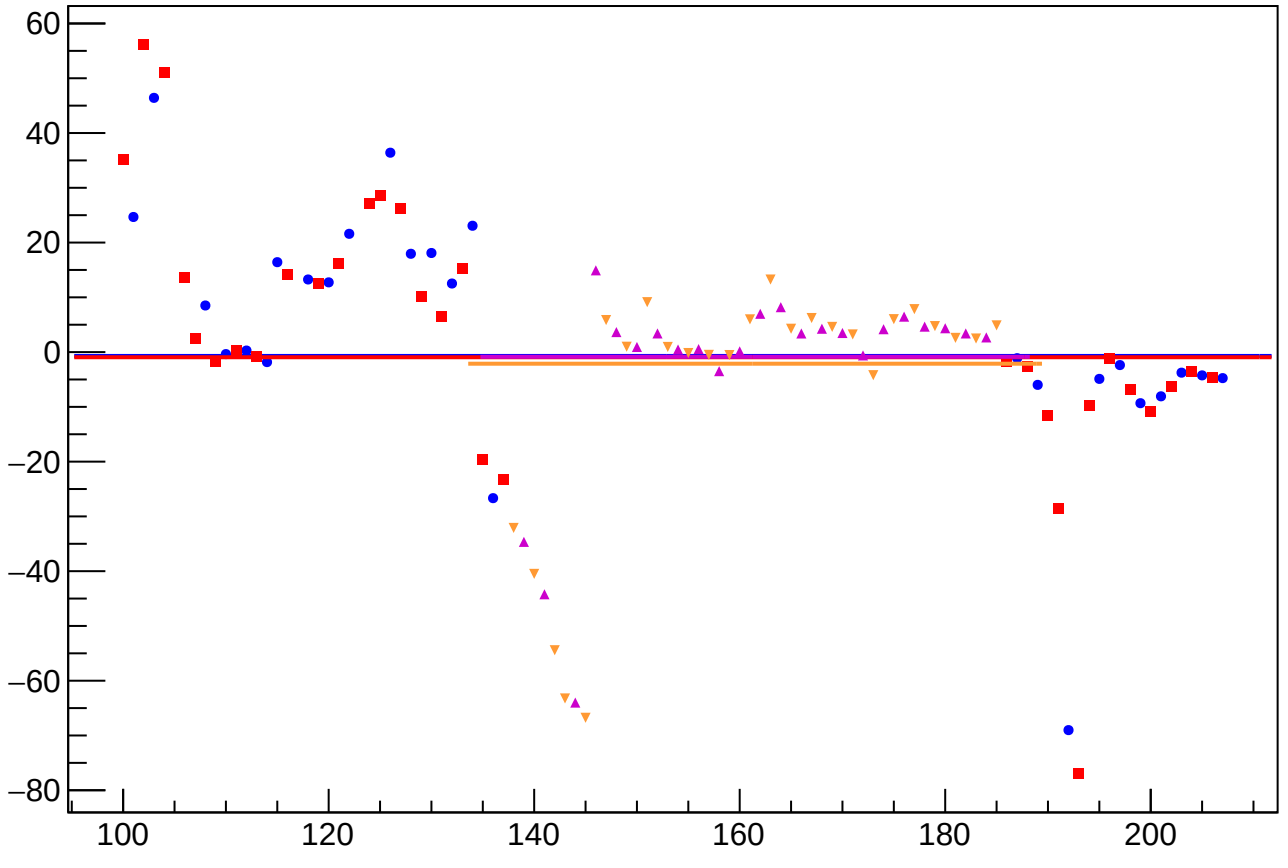
Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

Right: 0.102+/-0.032 χ^2/NDF: 11220.8/56

In: 0.307+/-0.026 χ^2/NDF:13102.2/48

Out: 0.298+/-0.026 χ^2/NDF:12337.5/55

All: 0.303+/-0.019 χ^2/NDF: 25439.8/104



Right In: -0.702+/-0.042 χ^2/NDF: 118701.6/25

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

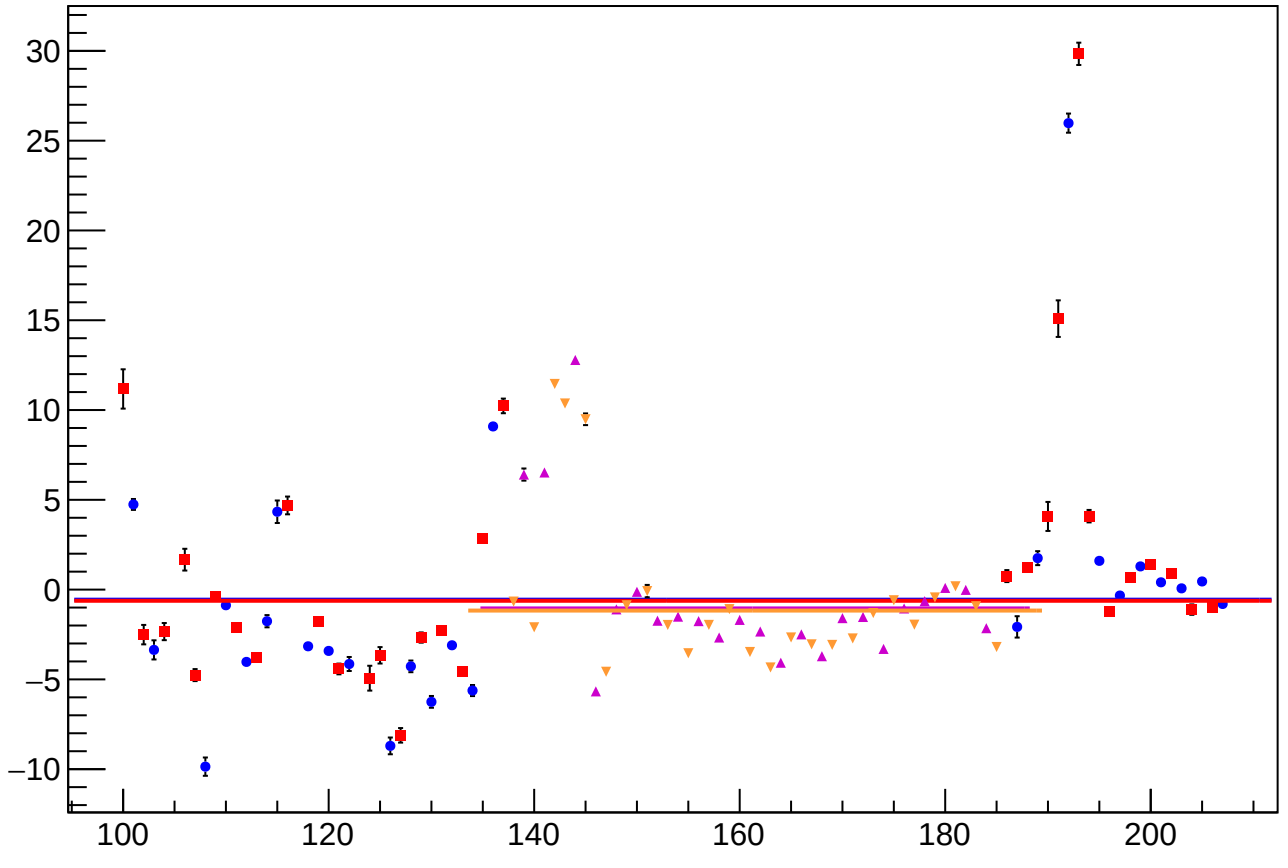
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -0.834+/-0.028 χ^2/NDF: 238169.3/56

In: -0.786+/-0.029 χ^2/NDF:247793.9/48

Out: -1.493+/-0.027 χ^2/NDF:290949.1/55

All: -1.155+/-0.020 χ^2/NDF: 539059.6/104



Right In: -0.561+/-0.055 χ^2/NDF: 7439.0/25

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

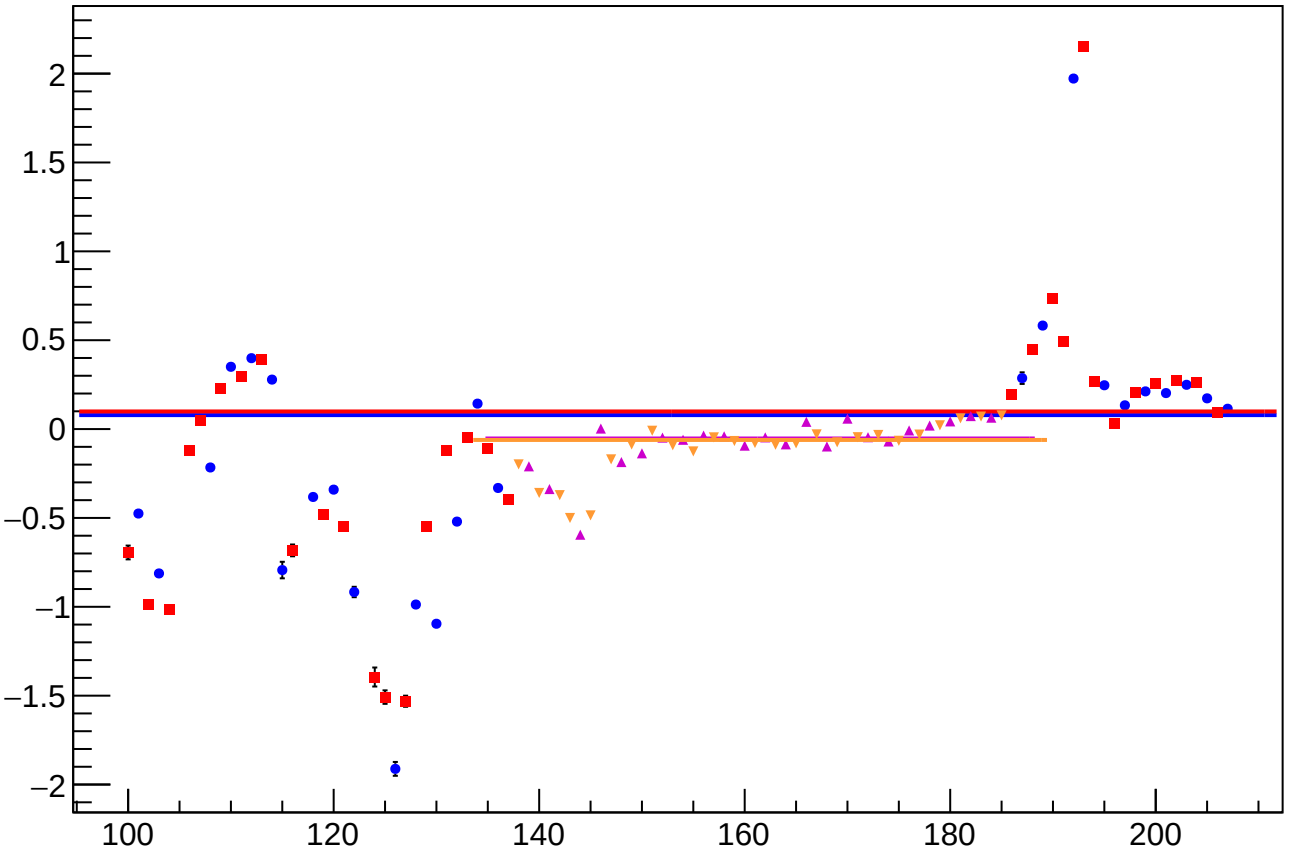
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.593+/-0.038 χ^2/NDF: 13205.7/56

In: -0.908+/-0.029 χ^2/NDF:14536.3/48

Out: -0.988+/-0.030 χ^2/NDF:12842.2/55

All: -0.948+/-0.021 χ^2/NDF: 27382.2/104



Right In: 0.079+/-0.002 χ^2/NDF: 34269.4/25

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

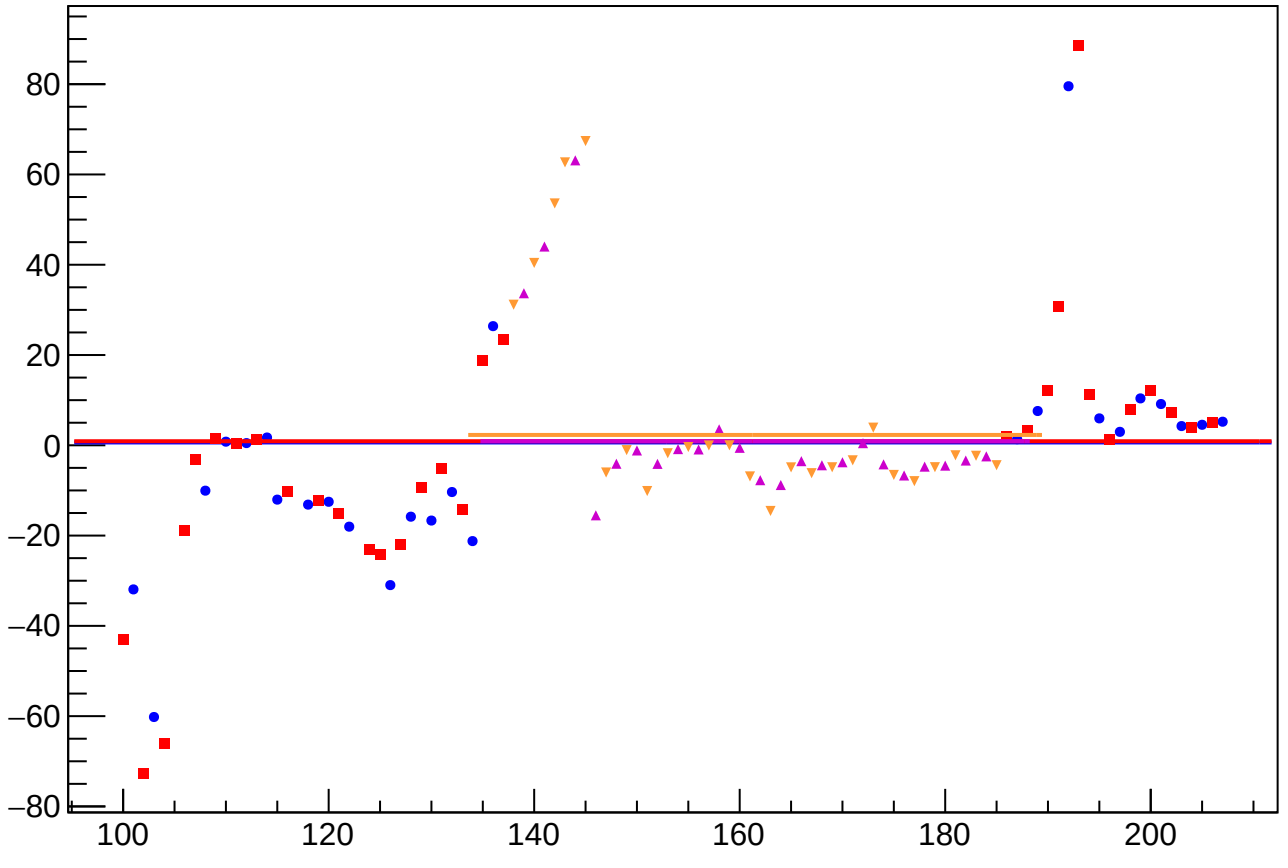
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.089+/-0.002 χ^2/NDF: 69256.3/56

In: -0.017+/-0.001 χ^2/NDF:41399.9/48

Out: -0.011+/-0.001 χ^2/NDF:43886.2/55

All: -0.014+/-0.001 χ^2/NDF: 85297.0/104



Right In: 0.630+/-0.041 χ^2/NDF: 119930.7/25

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

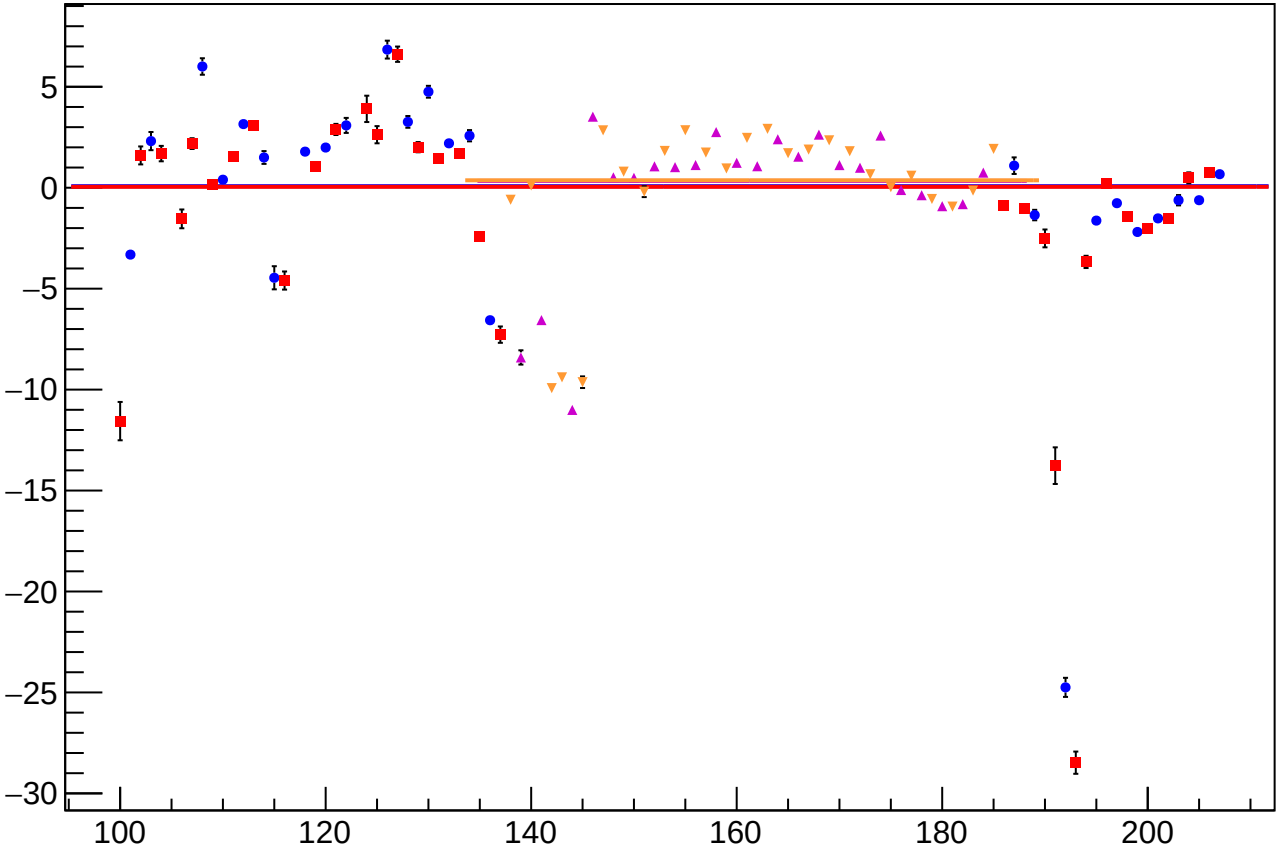
Right: 0.783+/-0.027 χ^2/NDF: 241168.0/56

In: 0.775+/-0.029 χ^2/NDF:252528.8/48

Out: 1.516+/-0.027 χ^2/NDF:299068.3/55

All: 1.170+/-0.020 χ^2/NDF: 551956.1/104

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.076+/-0.047 χ^2/NDF: 5953.3/25

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

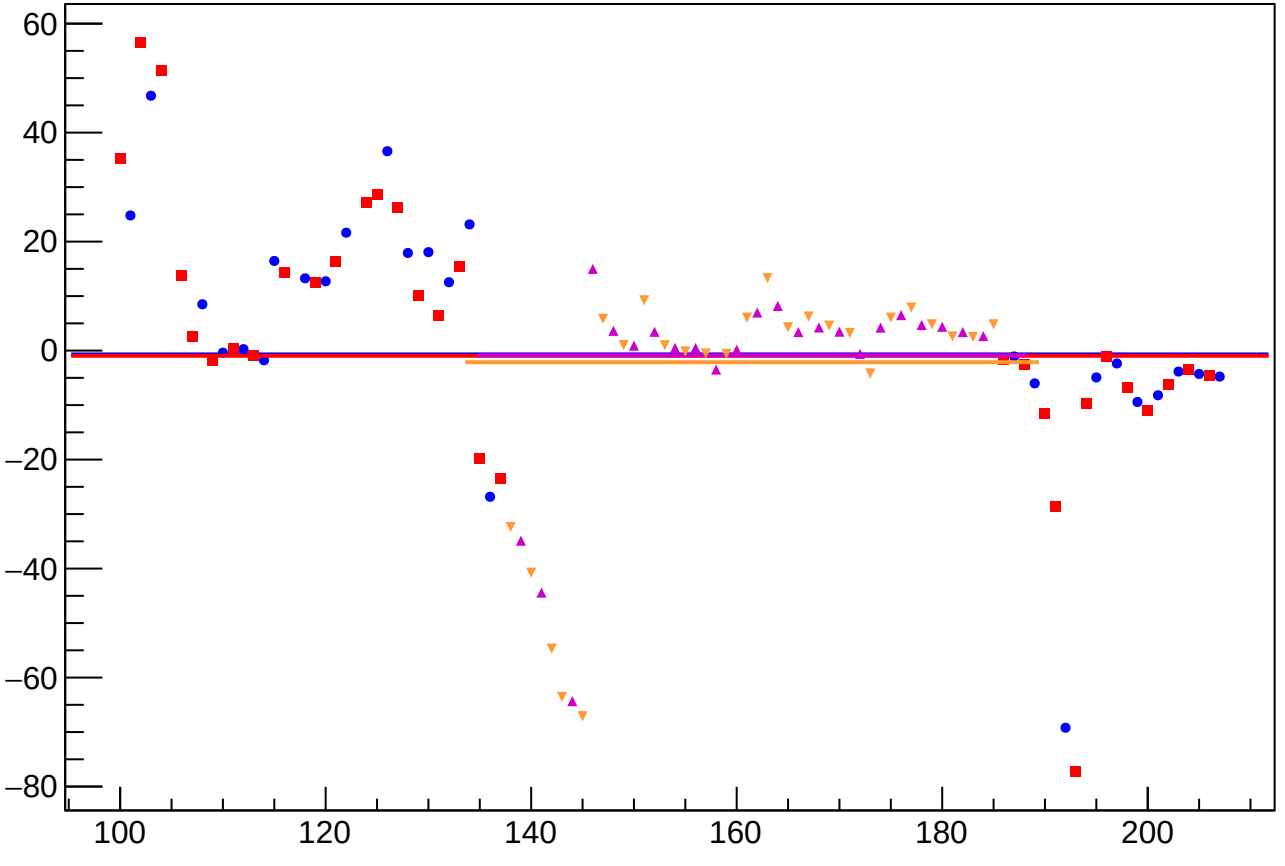
Right: 0.060+/-0.033 χ^2/NDF: 11201.1/56

In: 0.257+/-0.026 χ^2/NDF:13068.6/48

Out: 0.254+/-0.026 χ^2/NDF:12349.4/55

All: 0.256+/-0.019 χ^2/NDF: 25418.0/104

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.701+/-0.042 χ^2/NDF: 118753.9/25

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

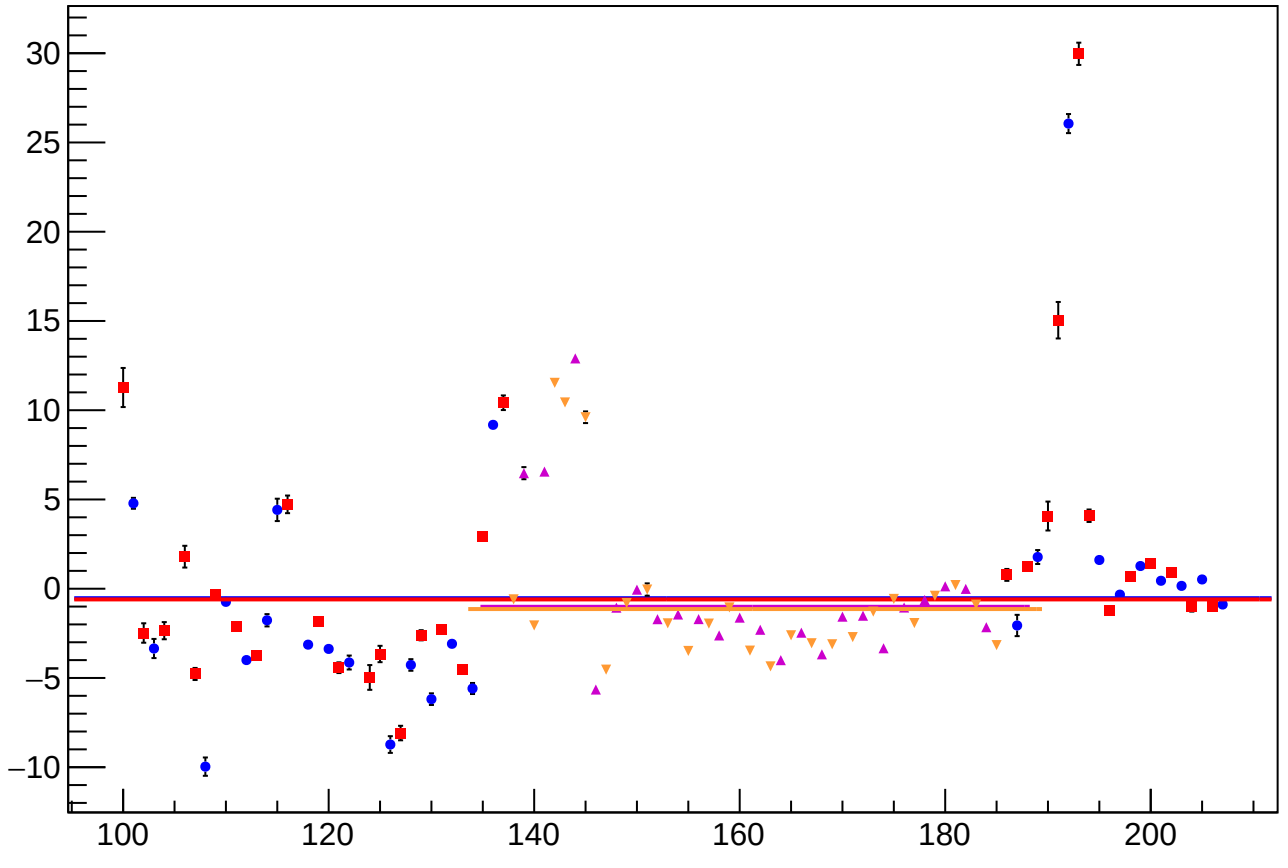
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -0.838+/-0.028 χ^2/NDF: 238286.5/56

In: -0.792+/-0.029 χ^2/NDF:248026.0/48

Out: -1.503+/-0.028 χ^2/NDF:291440.0/55

All: -1.164+/-0.020 χ^2/NDF: 539783.7/104



Right In: -0.531+/-0.055 χ^2/NDF: 7434.2/25

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

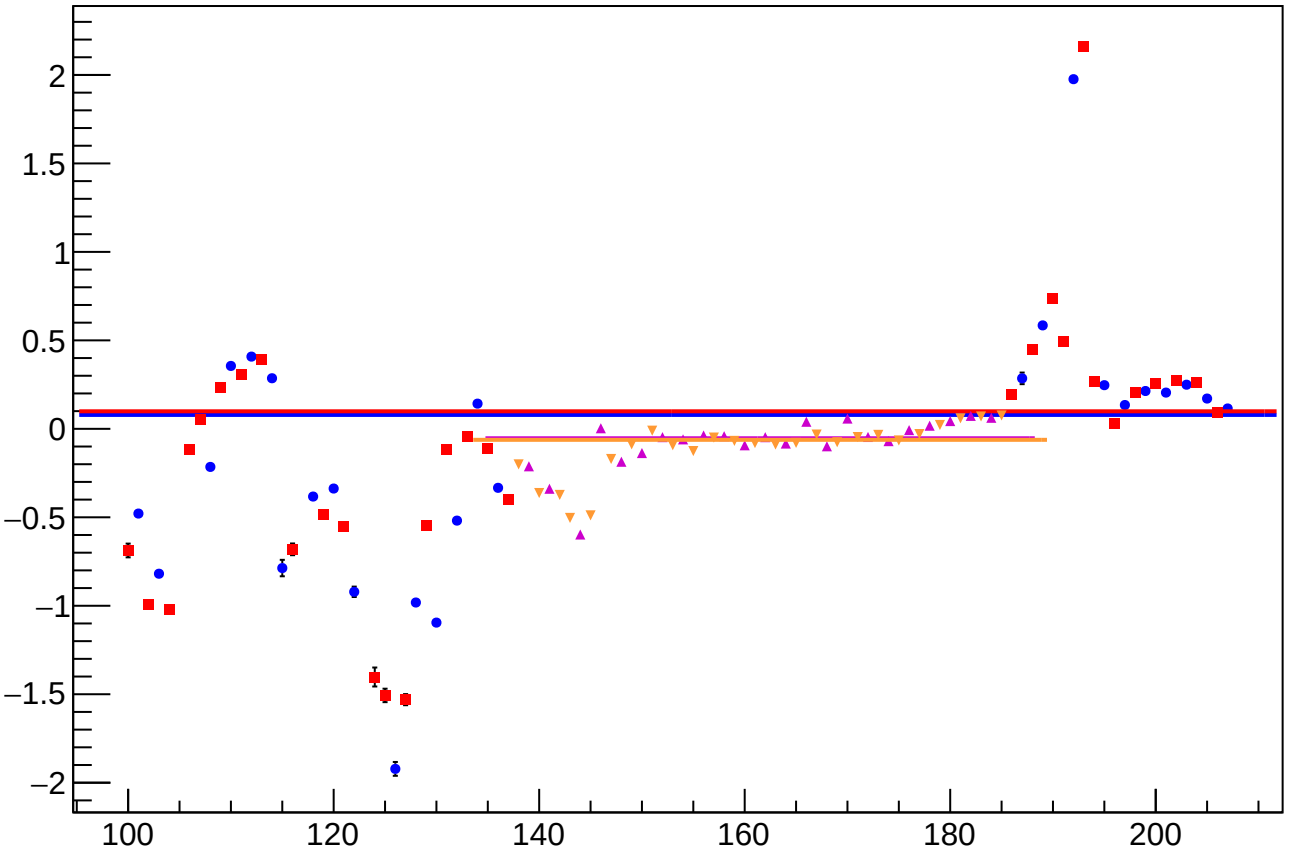
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.567+/-0.038 χ^2/NDF: 13205.8/56

In: -0.875+/-0.029 χ^2/NDF:14516.2/48

Out: -0.962+/-0.030 χ^2/NDF:12866.3/55

All: -0.918+/-0.021 χ^2/NDF: 27386.9/104



Right In: 0.079+/-0.002 χ^2/NDF: 34260.7/25

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

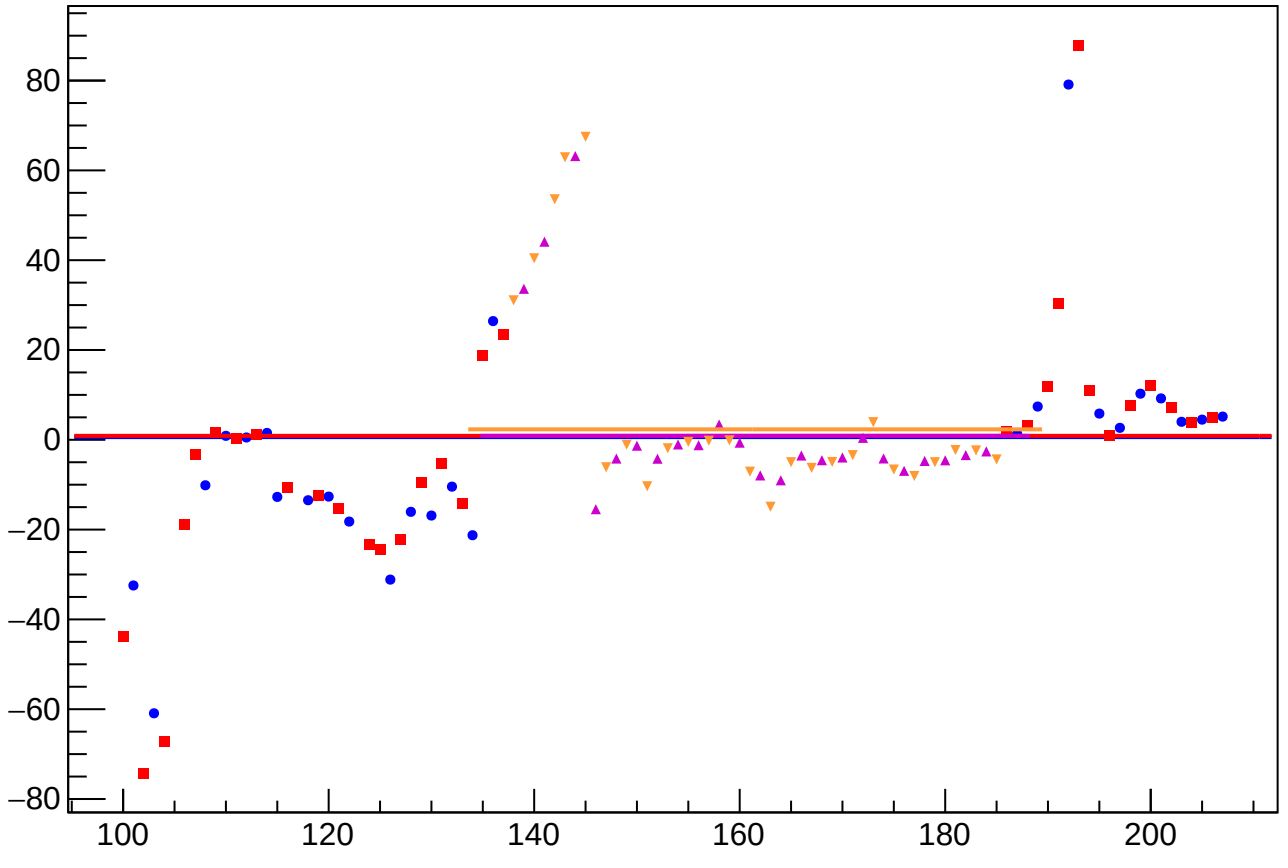
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.089+/-0.002 χ^2/NDF: 69209.9/56

In: -0.018+/-0.001 χ^2/NDF:41363.7/48

Out: -0.012+/-0.001 χ^2/NDF:43860.6/55

All: -0.015+/-0.001 χ^2/NDF: 85233.6/104



Right In: 0.600+/-0.041 χ^2/NDF: 118045.7/25

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

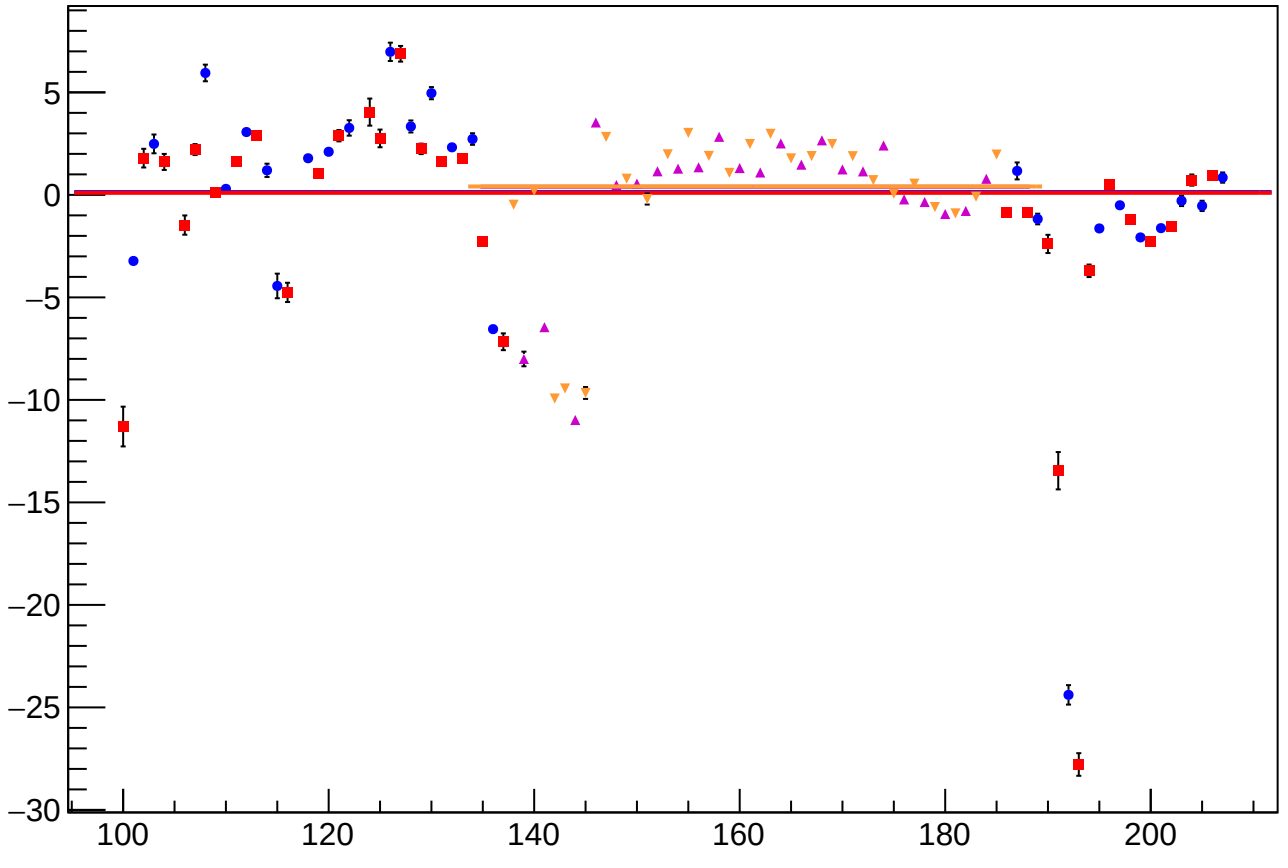
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.758+/-0.027 χ^2/NDF: 237644.6/56

In: 0.746+/-0.029 χ^2/NDF:248487.4/48

Out: 1.517+/-0.027 χ^2/NDF:294917.6/55

All: 1.156+/-0.020 χ^2/NDF: 543780.3/104



Right In: 0.135+/-0.048 χ^2/NDF: 5795.1/25

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

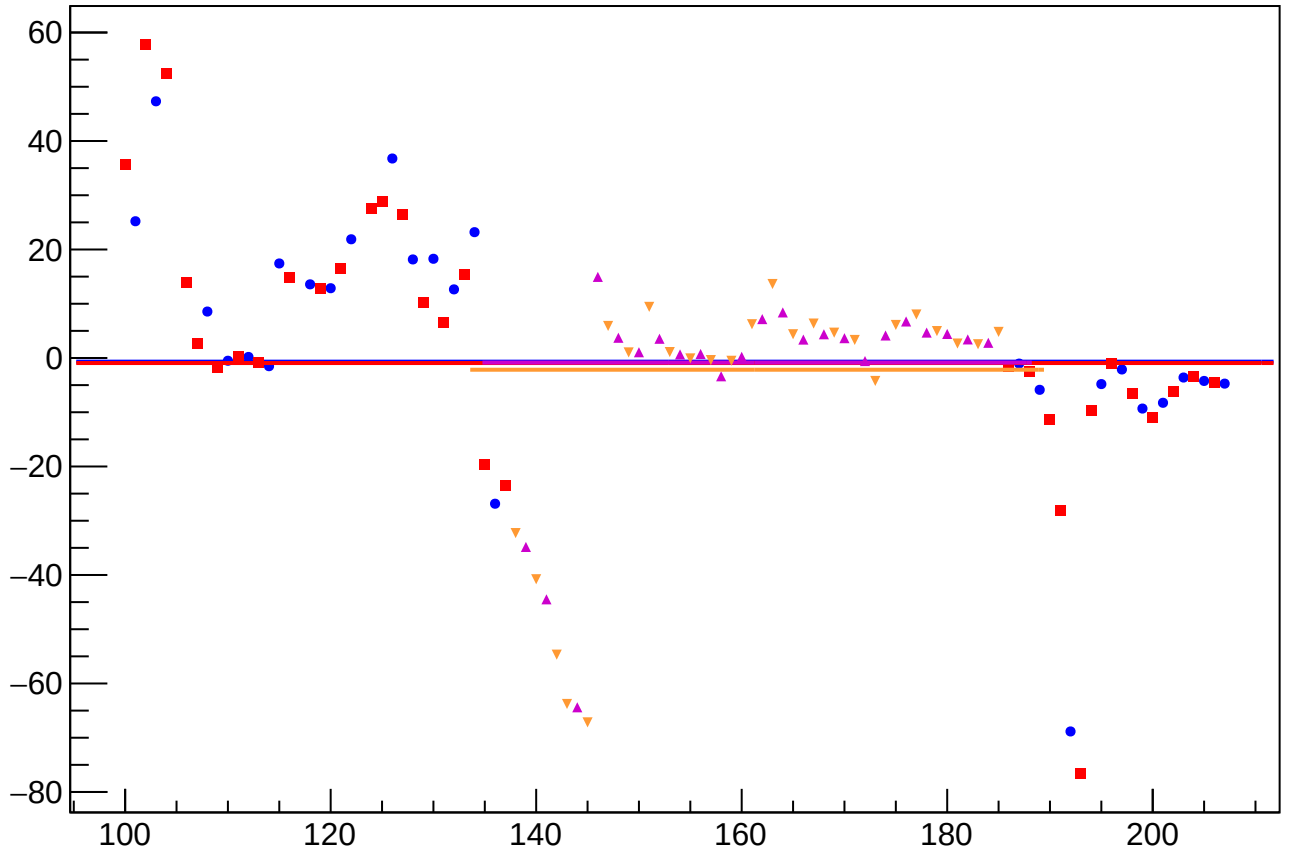
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.117+/-0.033 χ^2/NDF: 10853.2/56

In: 0.316+/-0.027 χ^2/NDF:12747.5/48

Out: 0.301+/-0.027 χ^2/NDF:12135.7/55

All: 0.308+/-0.019 χ^2/NDF: 24883.3/104



Right In: -0.675+/-0.043 χ^2/NDF: 116912.7/25

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

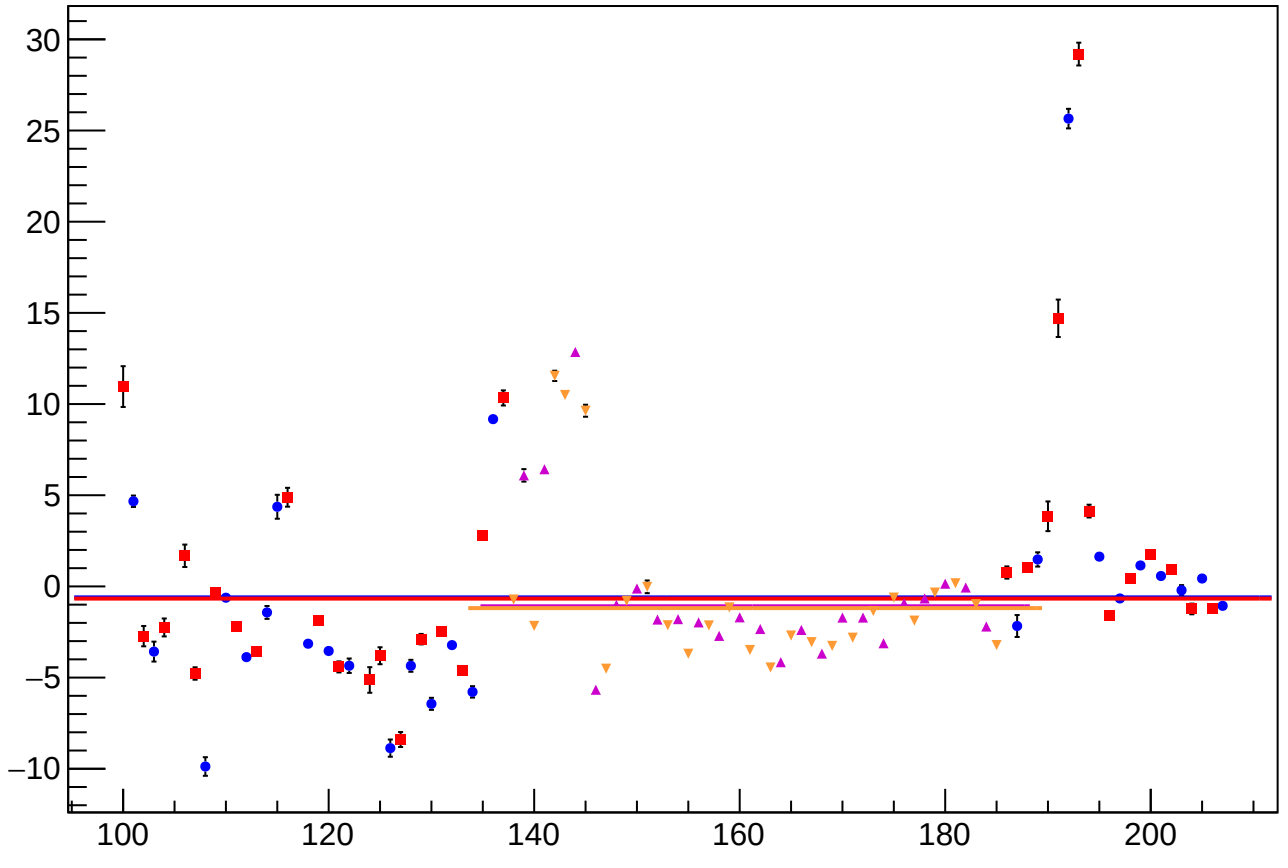
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -0.817+/-0.029 χ^2/NDF: 234817.3/56

In: -0.764+/-0.029 χ^2/NDF:244056.2/48

Out: -1.503+/-0.028 χ^2/NDF:287357.6/55

All: -1.150+/-0.020 χ^2/NDF: 531747.1/104



Right In: -0.601+/-0.056 χ^2/NDF: 7273.5/25

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

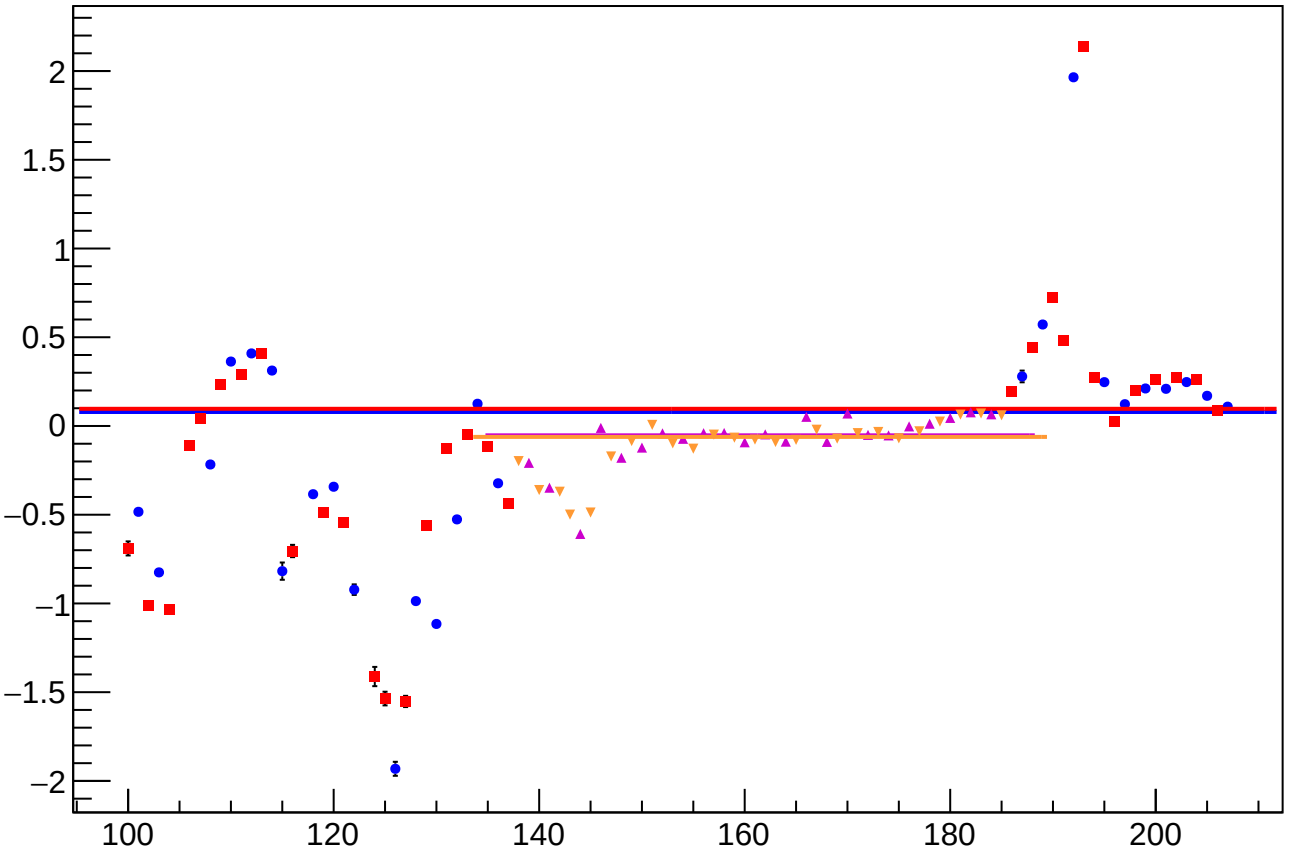
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.636+/-0.038 χ^2/NDF: 12858.7/56

In: -0.948+/-0.030 χ^2/NDF:14168.8/48

Out: -1.018+/-0.030 χ^2/NDF:12646.2/55

All: -0.983+/-0.021 χ^2/NDF: 26817.7/104



Right In: 0.079+/-0.002 χ^2/NDF: 33533.2/25

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

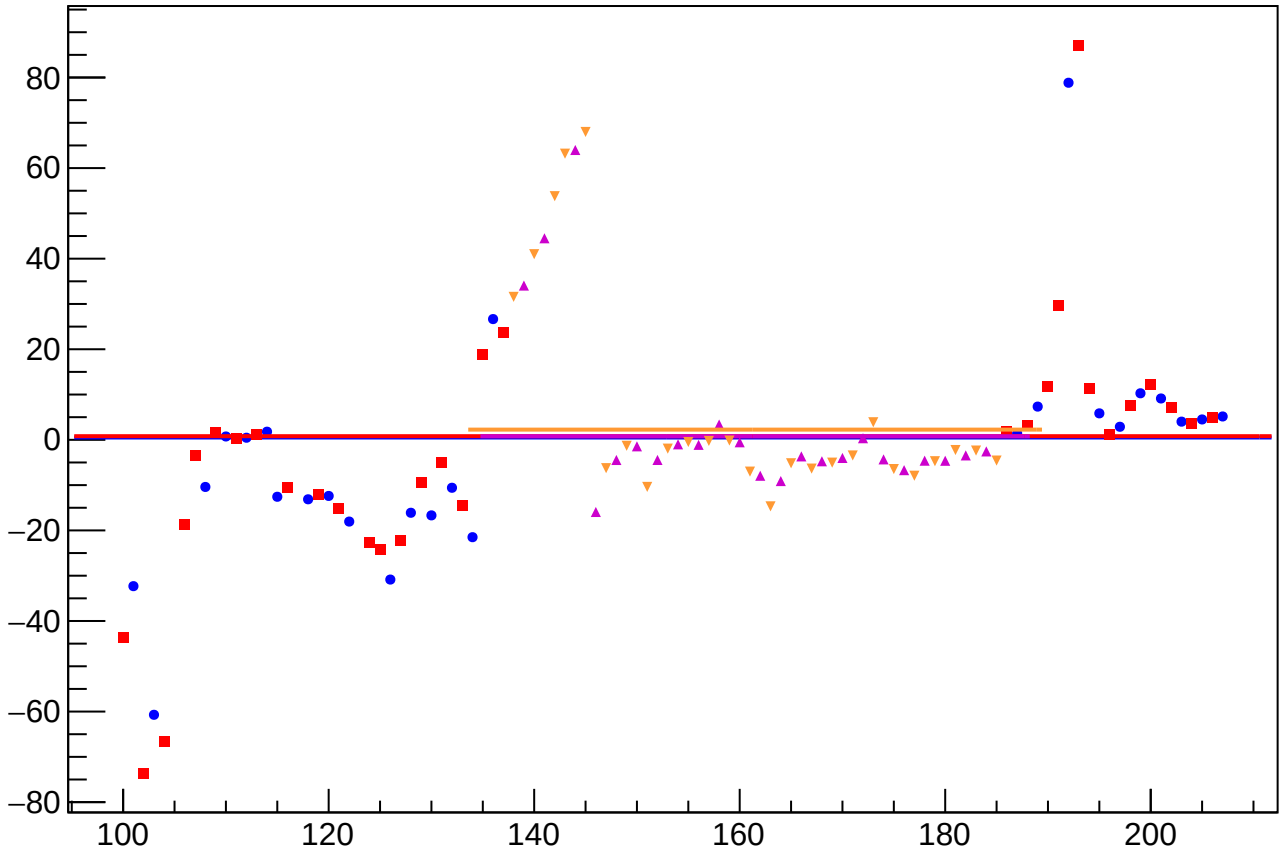
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.088+/-0.002 χ^2/NDF: 68036.9/56

In: -0.016+/-0.001 χ^2/NDF:40616.4/48

Out: -0.012+/-0.001 χ^2/NDF:43061.6/55

All: -0.014+/-0.001 χ^2/NDF: 83684.6/104



Right In: 0.516+/-0.042 χ^2/NDF: 116344.0/25

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

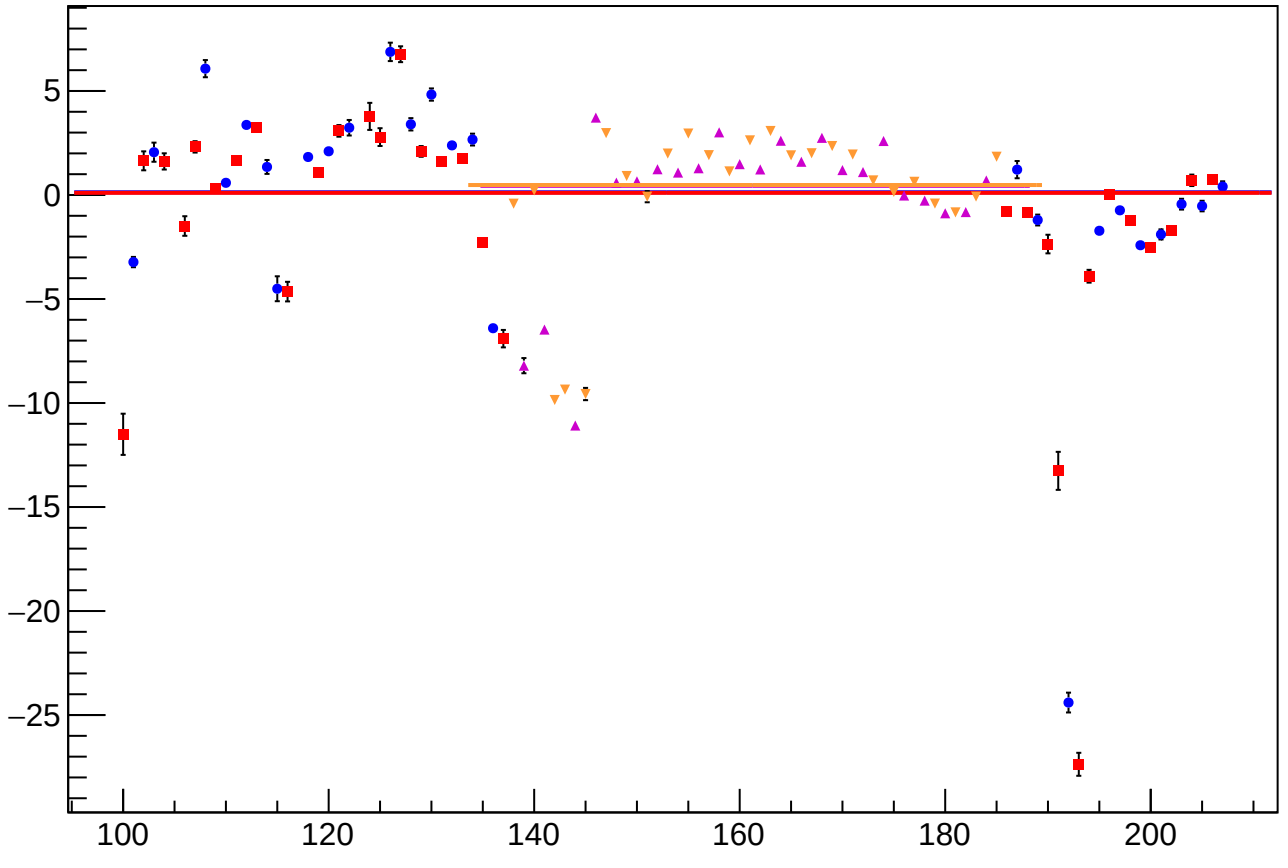
Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

Right: 0.678+/-0.028 χ^2/NDF: 233740.1/56

In: 0.658+/-0.029 χ^2/NDF:245194.6/48

Out: 1.449+/-0.028 χ^2/NDF:289718.9/55

All: 1.078+/-0.020 χ^2/NDF: 535298.0/104



Right In: 0.130+/-0.049 χ^2/NDF: 5779.3/25

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

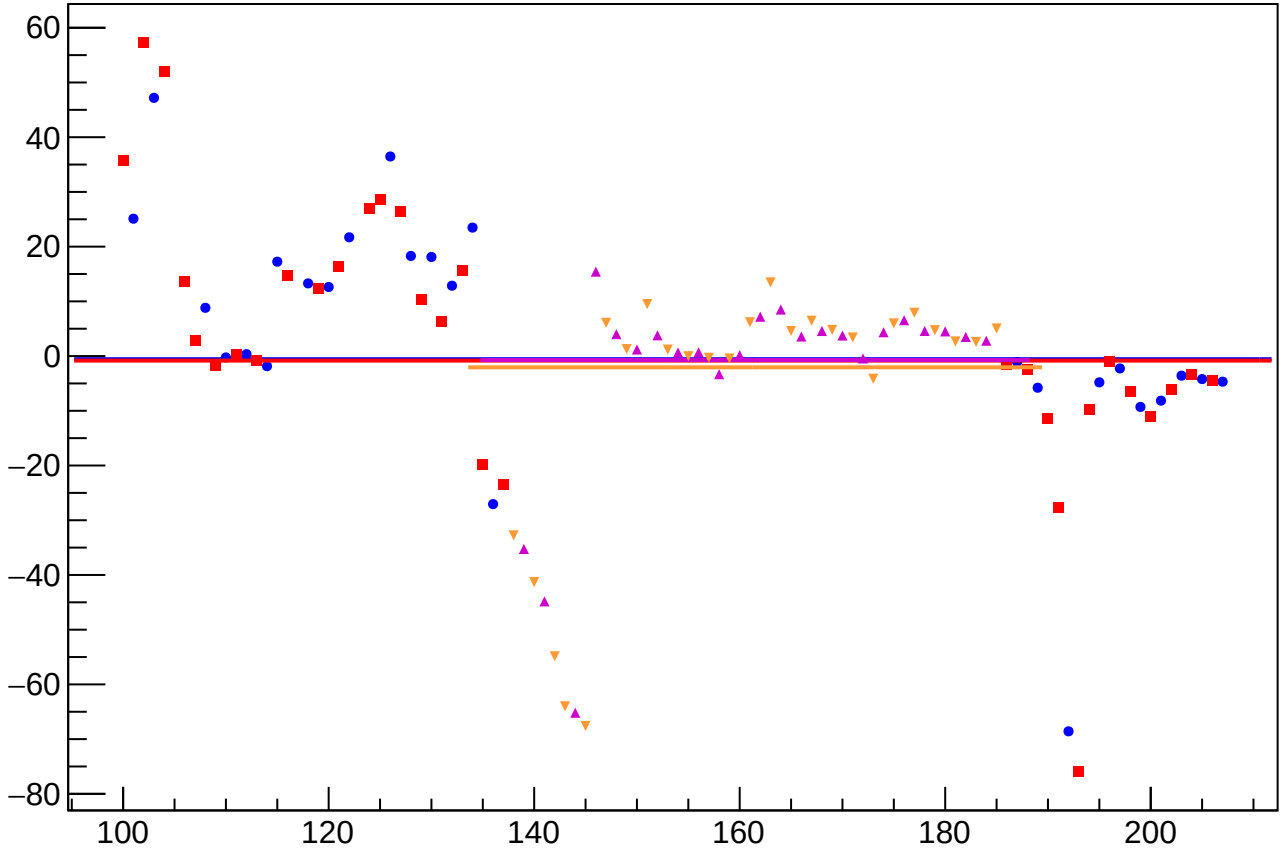
Right: 0.116+/-0.033 χ^2/NDF: 10752.3/56

In: 0.344+/-0.027 χ^2/NDF:12701.2/48

Out: 0.347+/-0.027 χ^2/NDF:11824.3/55

All: 0.345+/-0.019 χ^2/NDF: 24525.5/104

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.569+/-0.043 χ^2/NDF: 115190.2/25

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

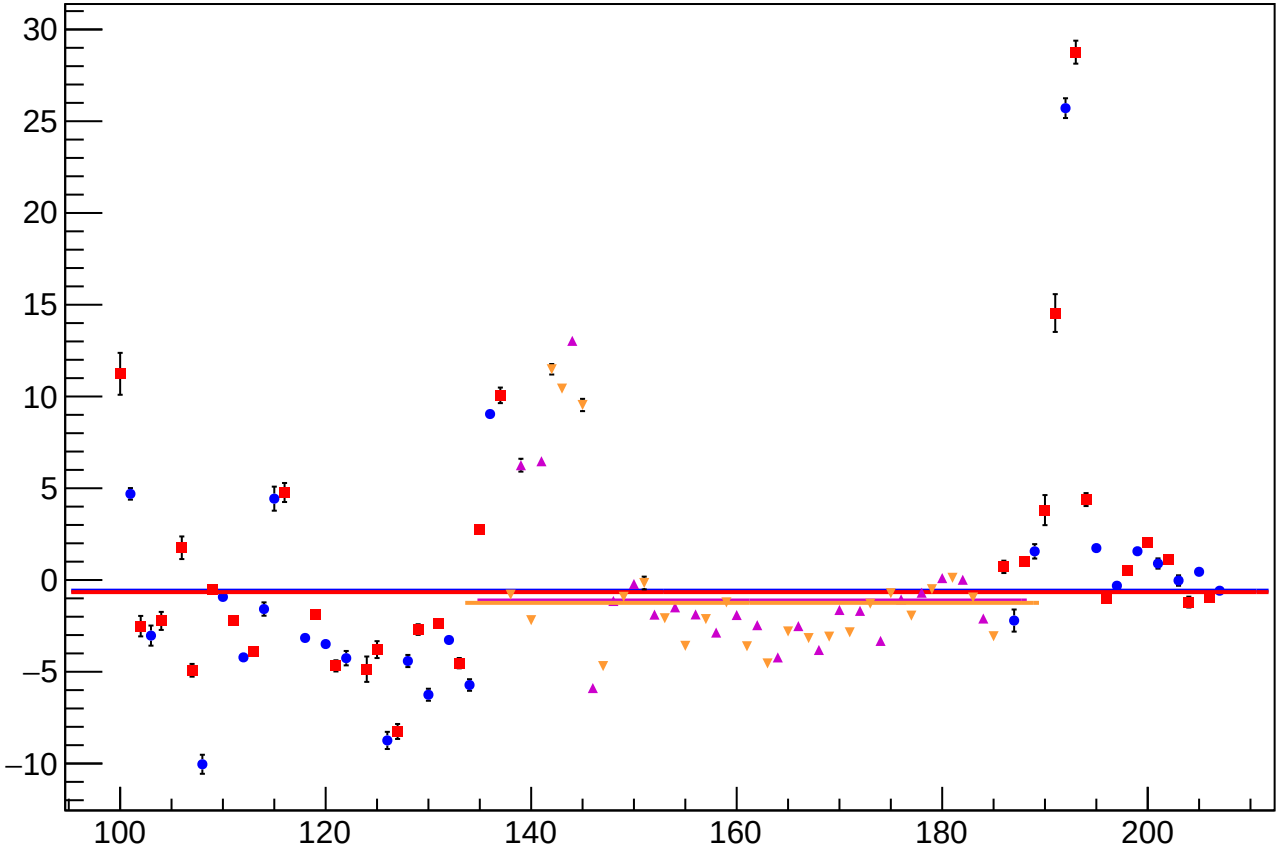
Right: -0.709+/-0.029 χ^2/NDF: 230921.5/56

In: -0.649+/-0.030 χ^2/NDF:240727.9/48

Out: -1.397+/-0.028 χ^2/NDF:282189.9/55

All: -1.039+/-0.020 χ^2/NDF: 523250.2/104

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.580+/-0.056 χ^2/NDF: 7168.9/25

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

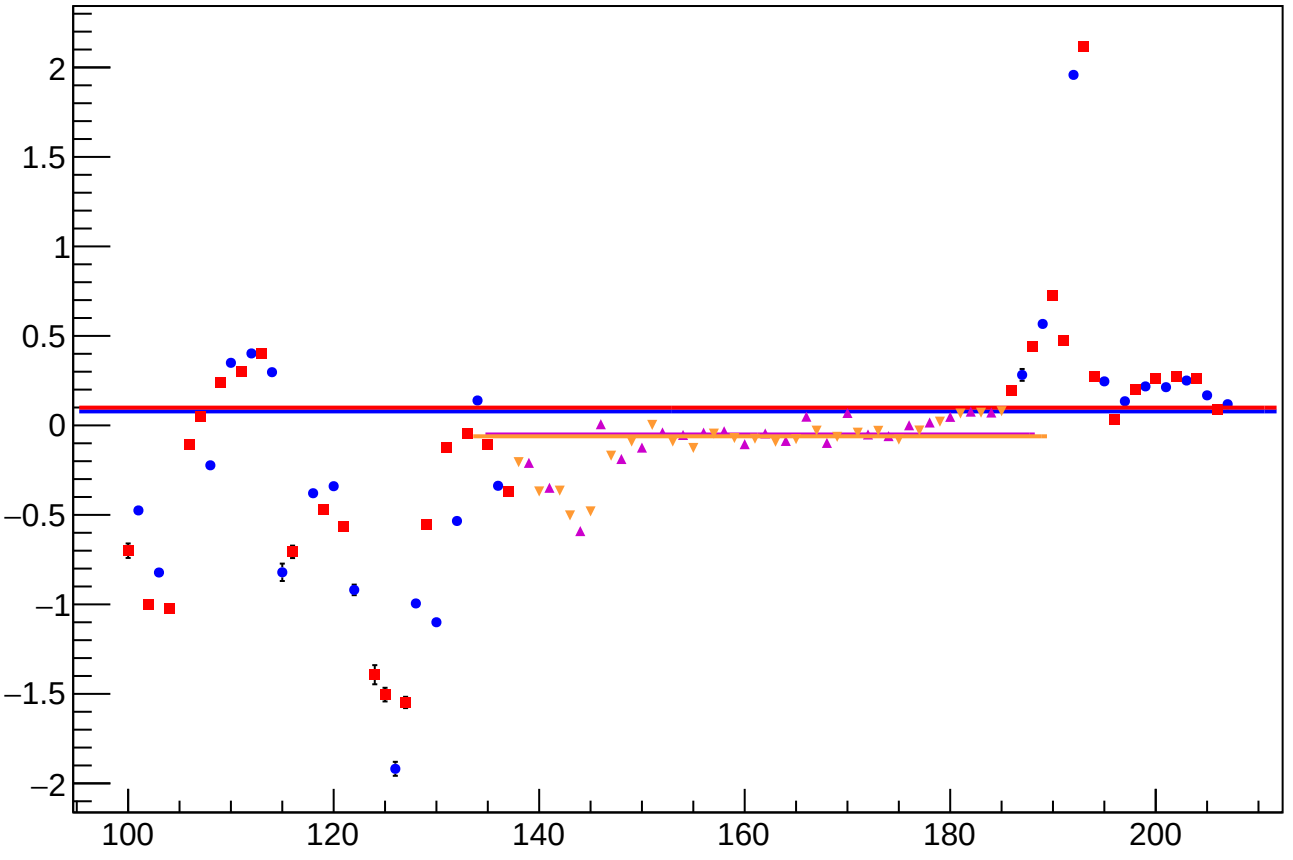
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.622+/-0.039 χ^2/NDF: 12625.5/56

In: -0.962+/-0.030 χ^2/NDF:14073.5/48

Out: -1.053+/-0.031 χ^2/NDF:12304.6/55

All: -1.007+/-0.022 χ^2/NDF: 26382.5/104



Right In: 0.078+/-0.003 χ^2/NDF: 33196.4/25

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

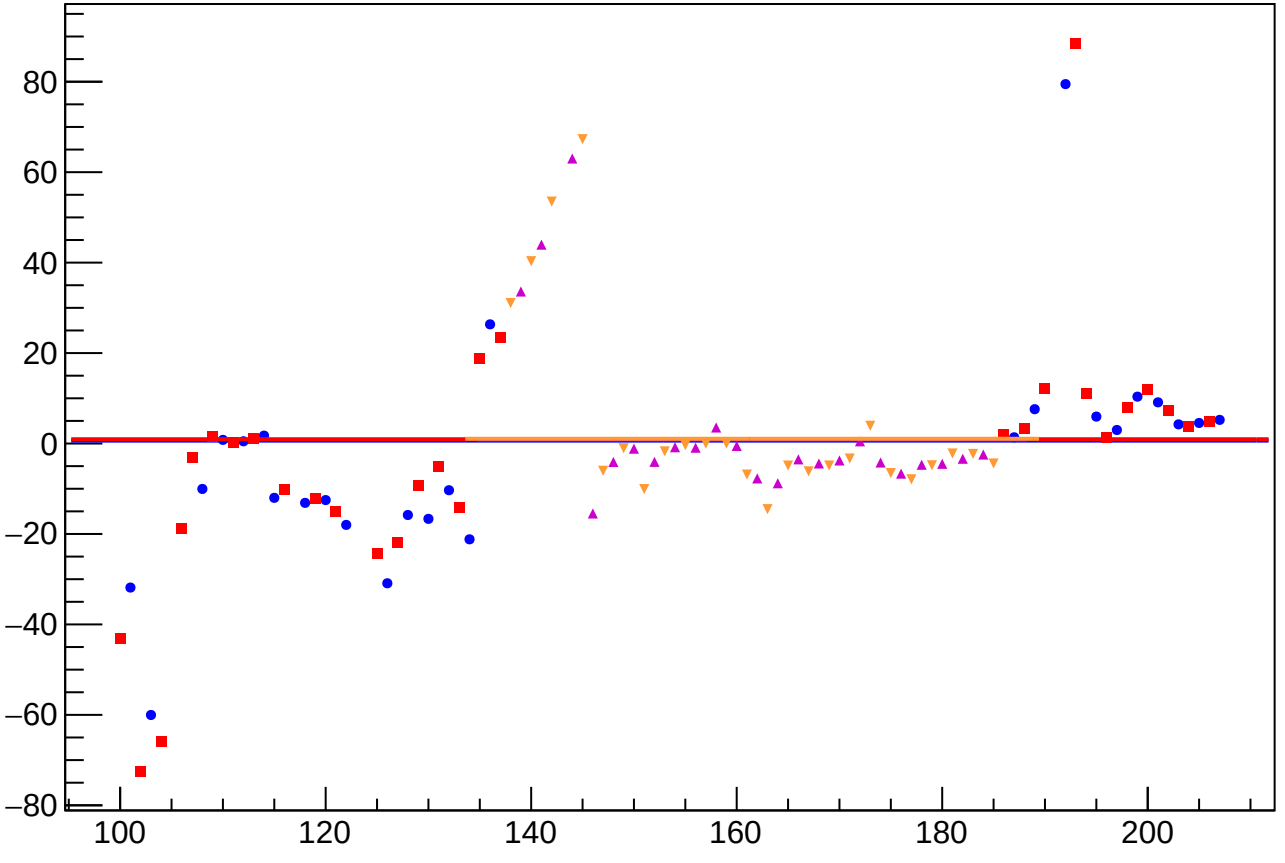
Right: 0.089+/-0.002 χ^2/NDF: 66782.4/56

In: -0.015+/-0.001 χ^2/NDF:39993.4/48

Out: -0.011+/-0.001 χ^2/NDF:42040.1/55

All: -0.013+/-0.001 χ^2/NDF: 82038.9/104

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.647+/-0.041 χ^2/NDF: 120138.6/25

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

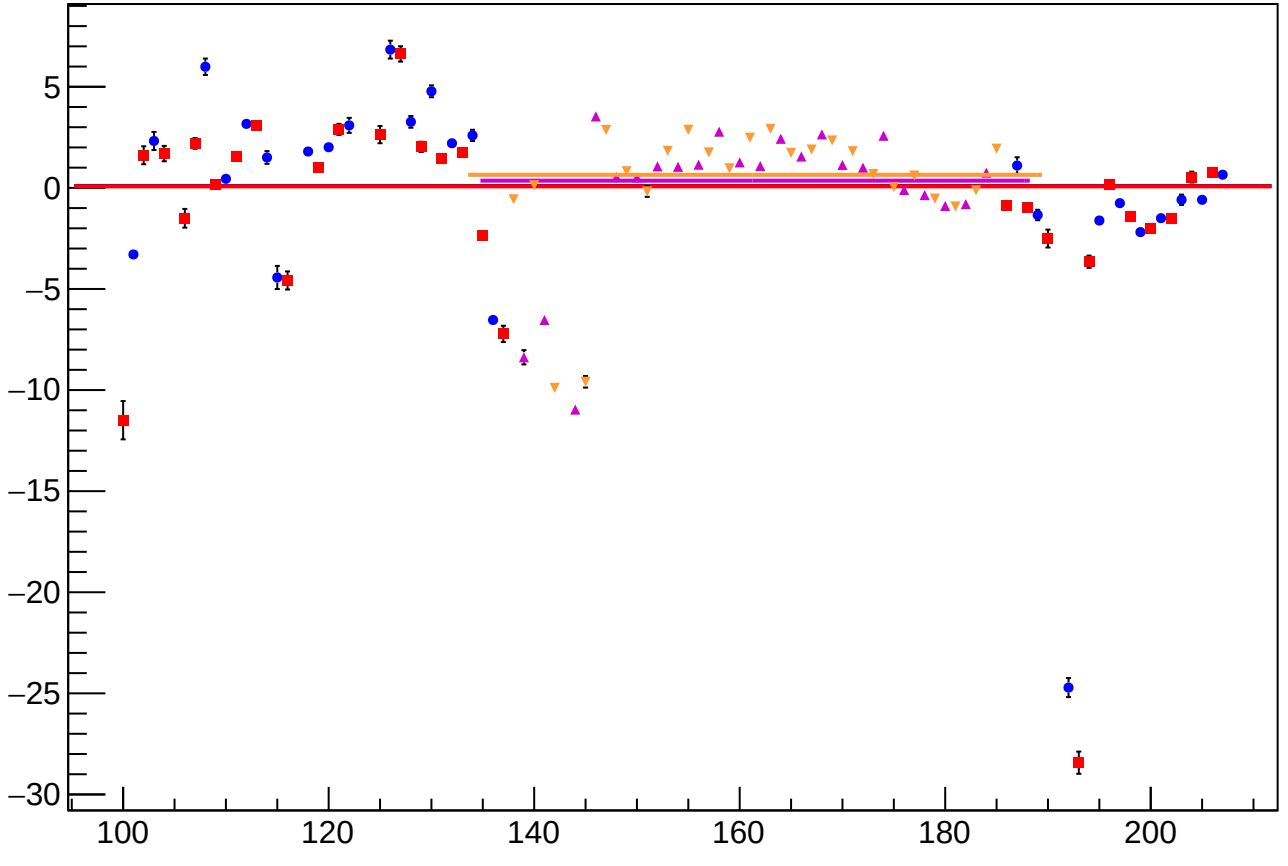
Right: 0.818+/-0.027 χ^2/NDF: 238677.9/54

In: 0.782+/-0.028 χ^2/NDF:252967.9/48

Out: 0.995+/-0.027 χ^2/NDF:249542.5/52

All: 0.895+/-0.020 χ^2/NDF: 502540.1/101

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.091+/-0.047 χ^2/NDF: 5968.8/25

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

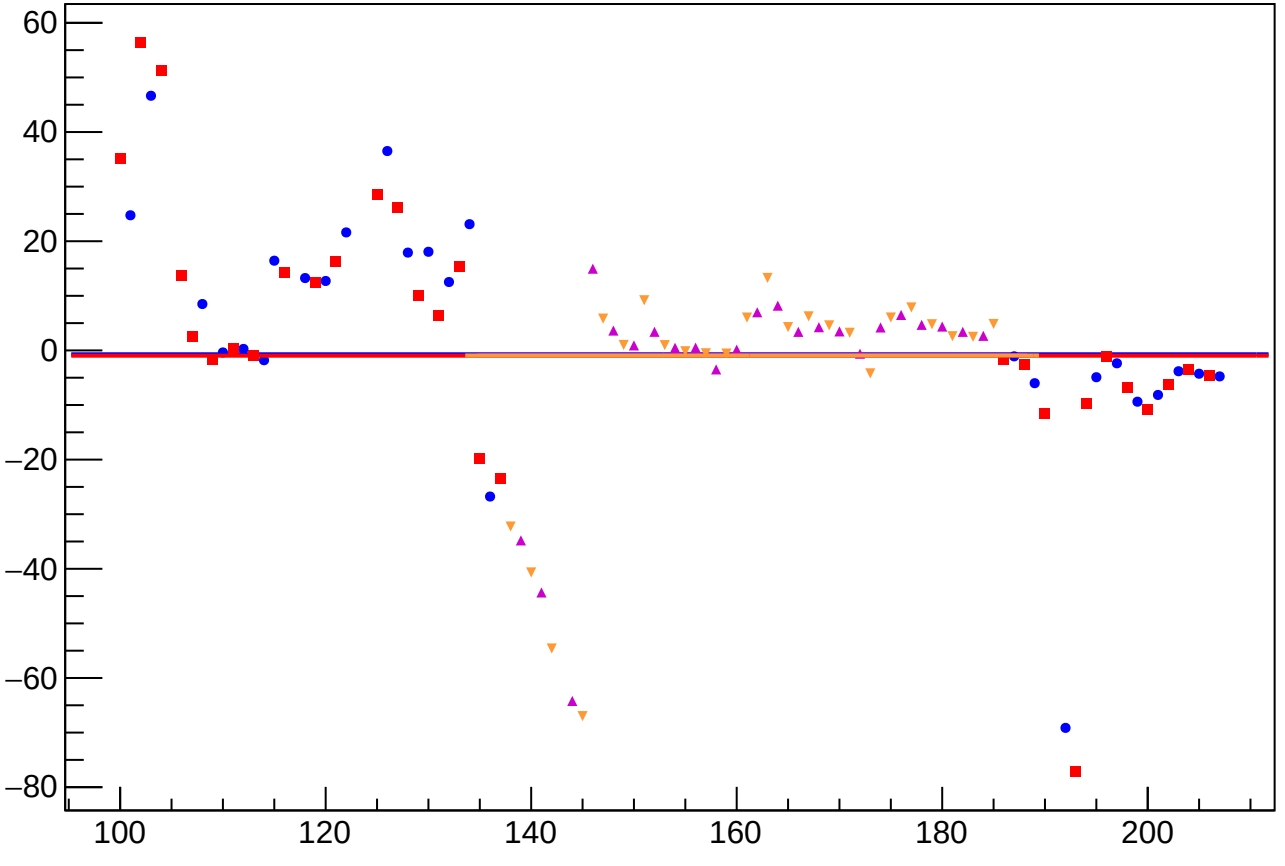
Right: 0.083+/-0.032 χ^2/NDF: 10960.2/54

In: 0.275+/-0.026 χ^2/NDF:13107.5/48

Out: 0.441+/-0.027 χ^2/NDF:9806.9/52

All: 0.356+/-0.019 χ^2/NDF: 22934.4/101

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.707+/-0.042 χ^2/NDF: 118955.0/25

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

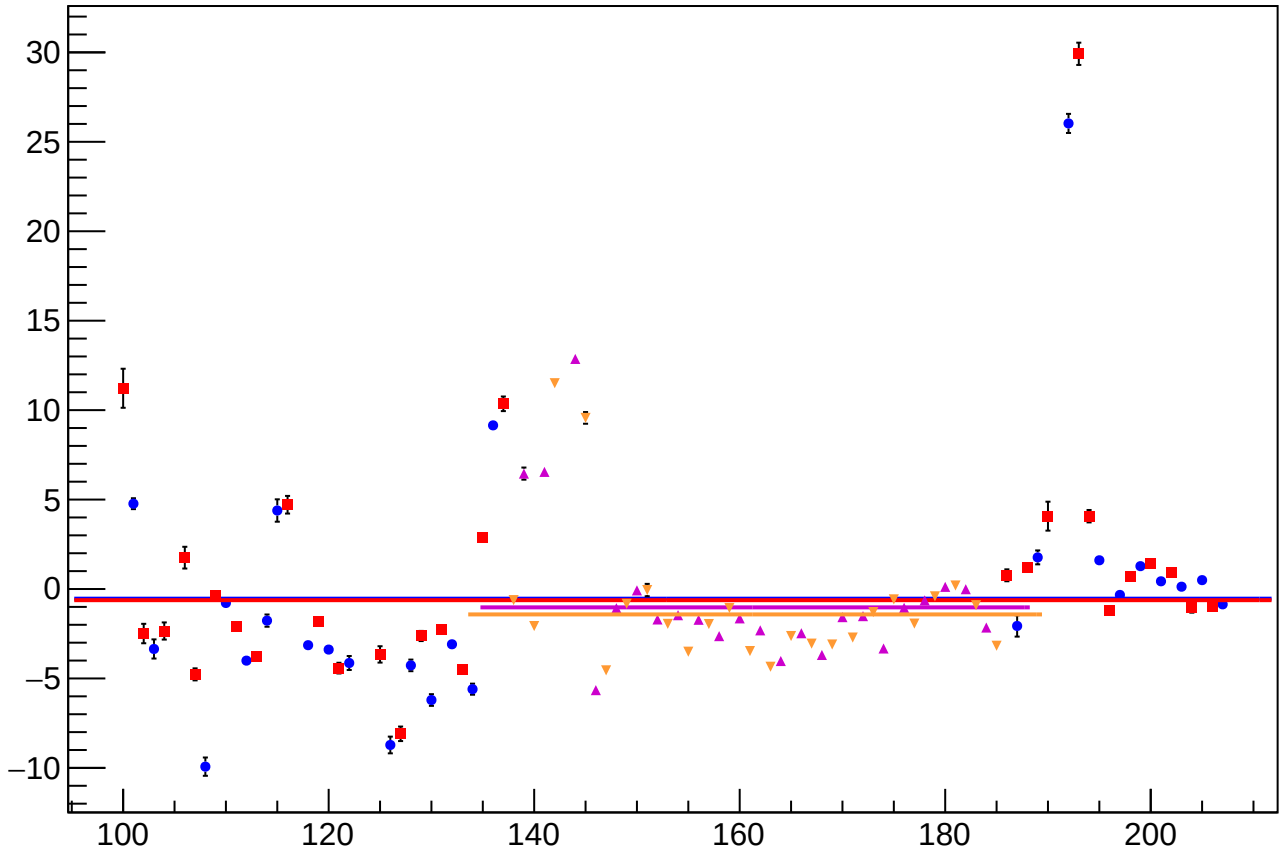
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -0.851+/-0.028 χ^2/NDF: 235887.8/54

In: -0.789+/-0.029 χ^2/NDF:248447.1/48

Out: -0.949+/-0.028 χ^2/NDF:243290.8/52

All: -0.872+/-0.020 χ^2/NDF: 491754.1/101



Right In: -0.540+/-0.055 χ^2/NDF: 7451.1/25

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

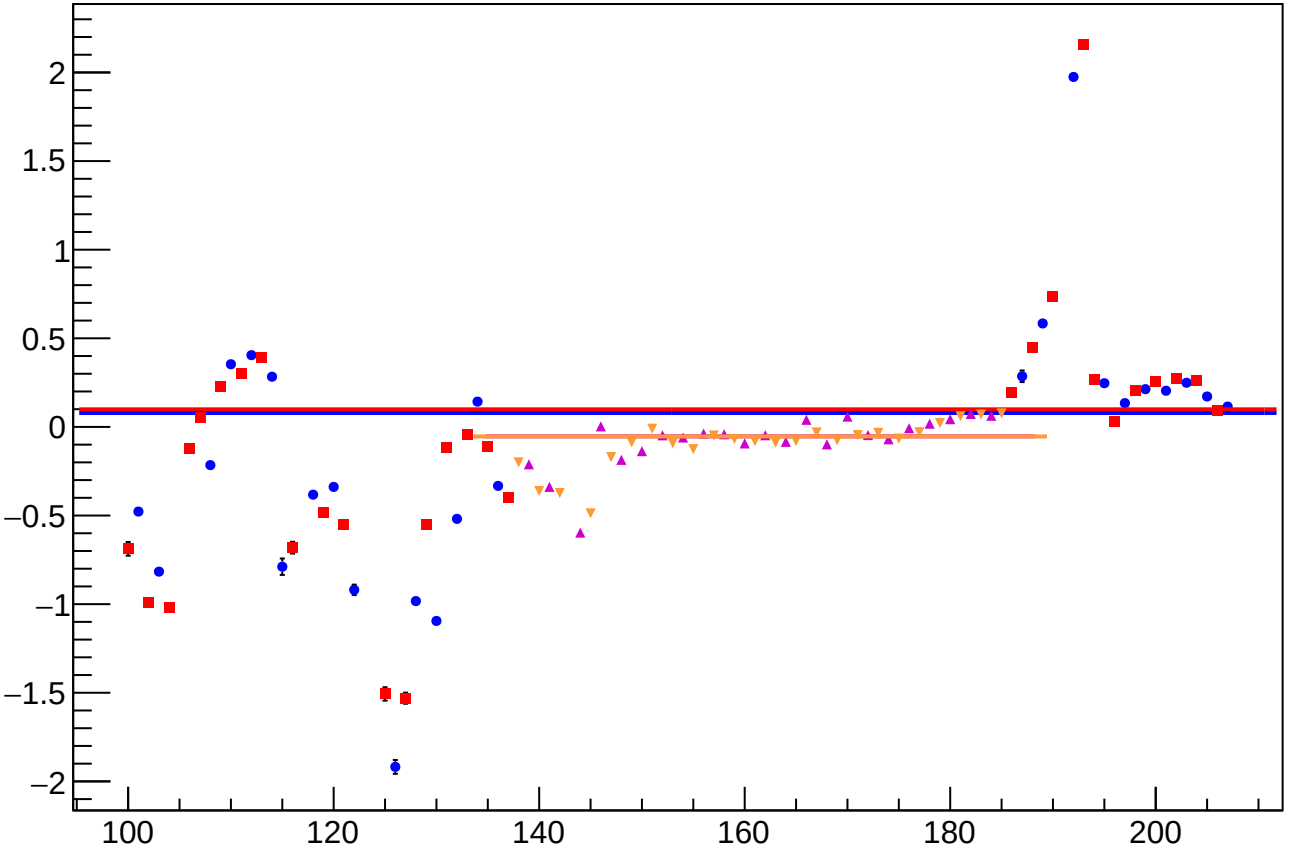
Right: -0.584+/-0.038 χ^2/NDF: 12957.7/54

In: -0.887+/-0.029 χ^2/NDF:14554.1/48

Out: -1.156+/-0.030 χ^2/NDF:10304.3/52

All: -1.019+/-0.021 χ^2/NDF: 24899.5/101

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.079+/-0.002 χ^2/NDF: 34323.1/25

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

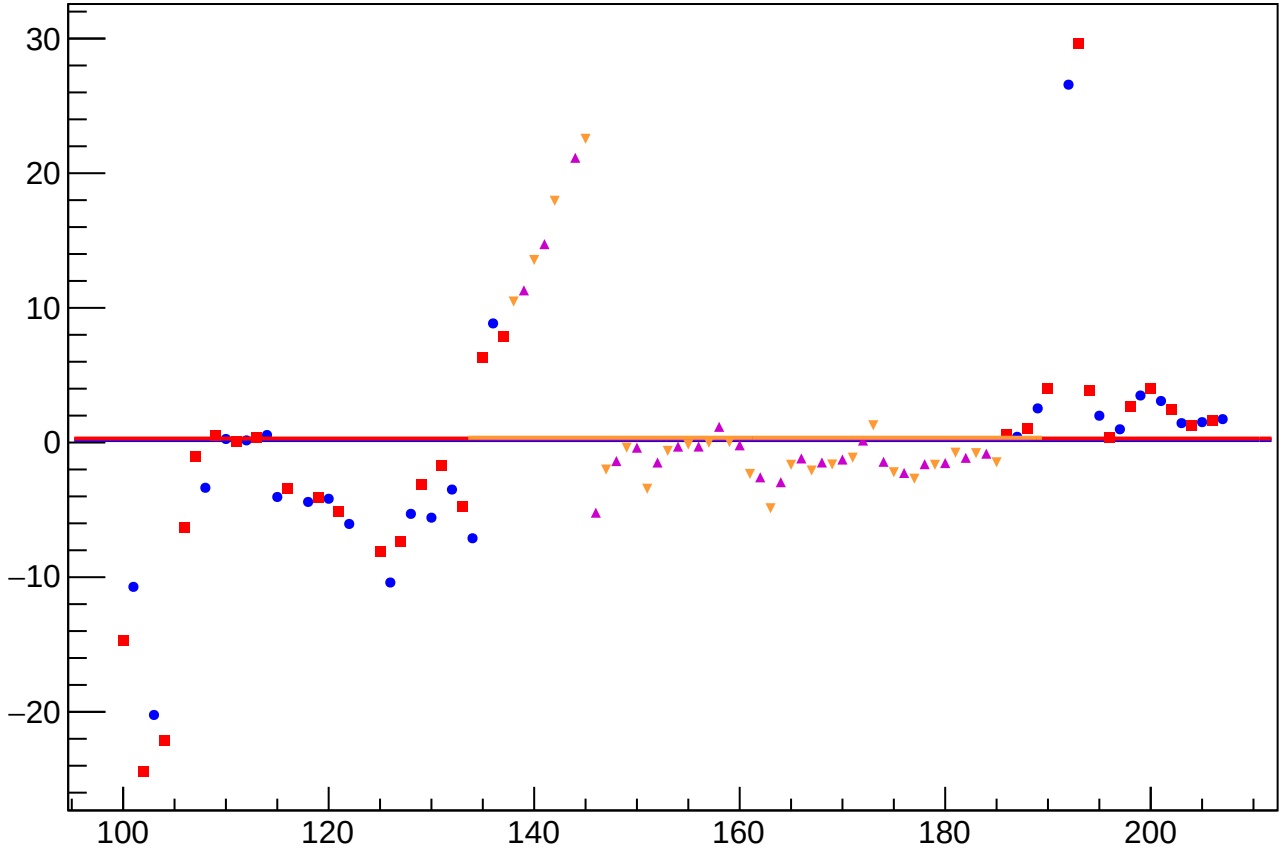
Right: 0.089+/-0.002 χ^2/NDF: 68362.7/54

In: -0.017+/-0.001 χ^2/NDF:41463.0/48

Out: -0.006+/-0.001 χ^2/NDF:41226.7/52

All: -0.012+/-0.001 χ^2/NDF: 82729.7/101

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.184+/-0.014 χ^2/NDF: 118053.3/25

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

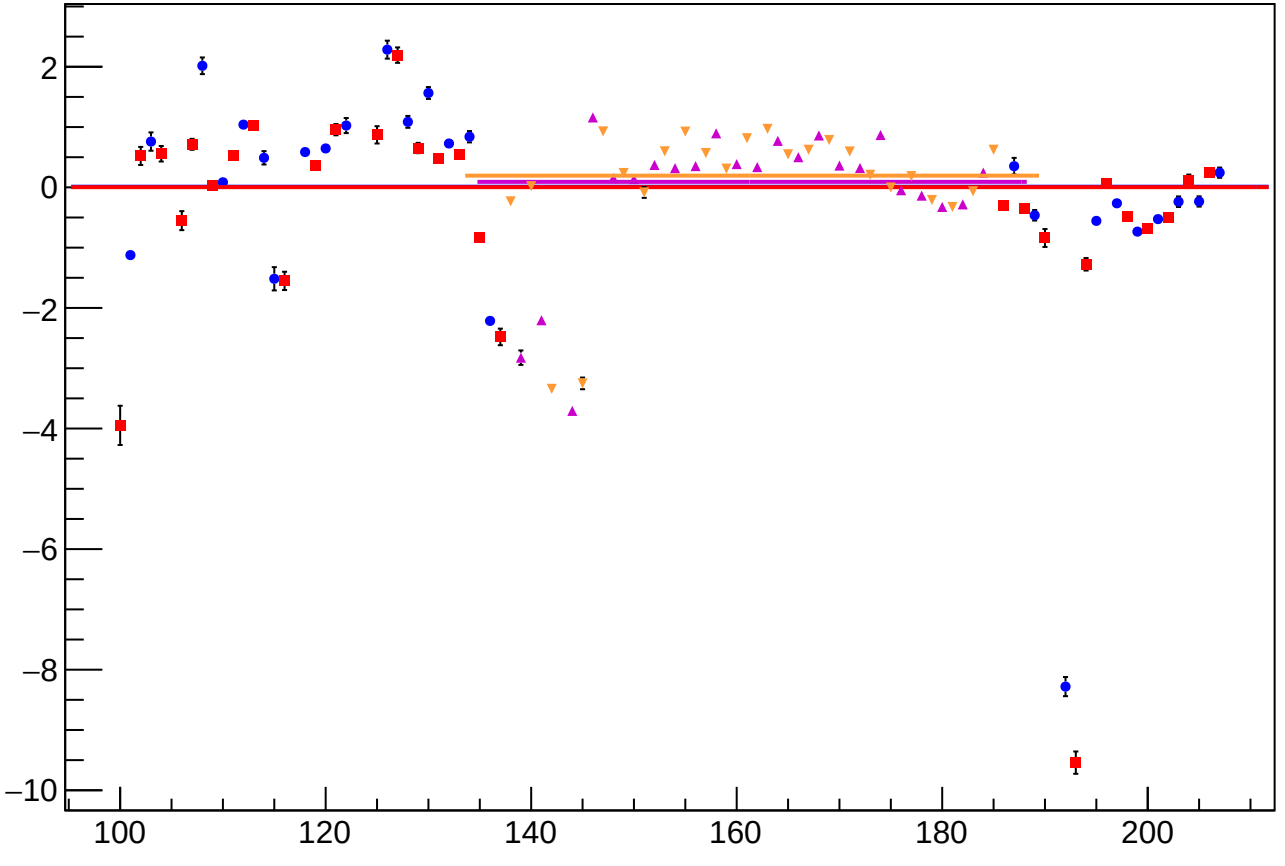
Right: 0.247+/-0.009 χ^2/NDF: 234762.3/54

In: 0.252+/-0.010 χ^2/NDF:248324.2/48

Out: 0.323+/-0.009 χ^2/NDF:245514.7/52

All: 0.290+/-0.007 χ^2/NDF: 493866.9/101

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 5843.6/25

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

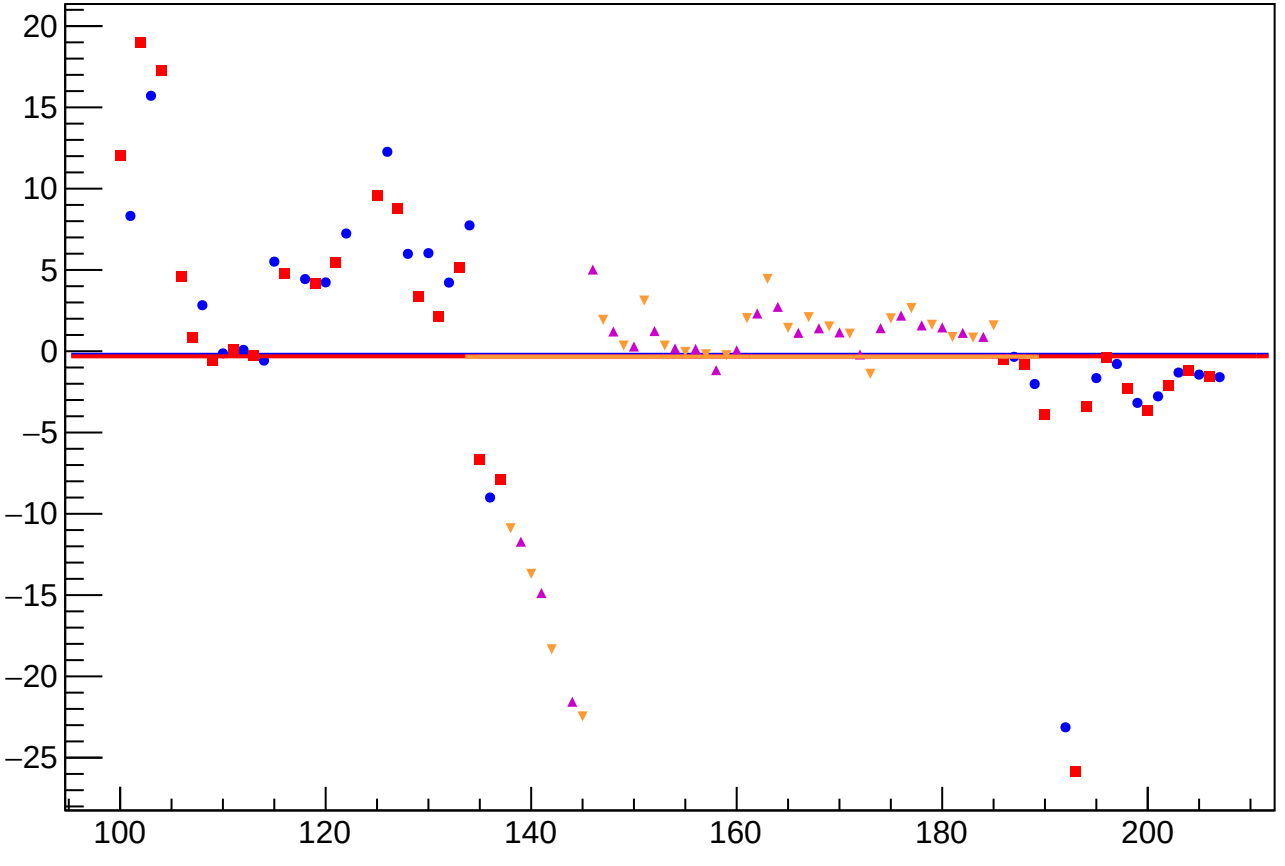
Right: 0.007+/-0.011 χ^2/NDF: 10740.3/54

In: 0.066+/-0.009 χ^2/NDF:12797.3/48

Out: 0.127+/-0.009 χ^2/NDF:9642.1/52

All: 0.096+/-0.006 χ^2/NDF: 22461.7/101

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.218+/-0.014 χ^2/NDF: 116910.4/25

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

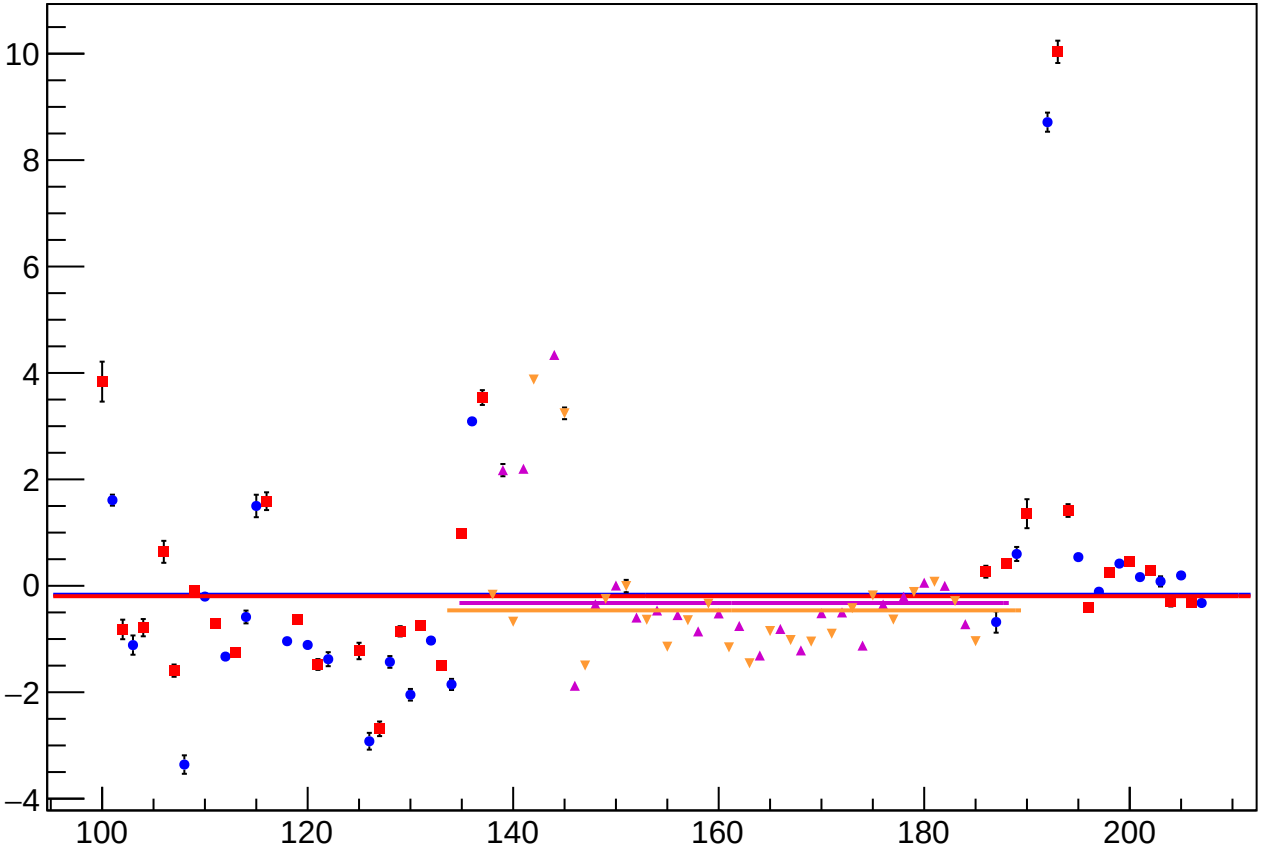
Right: -0.271+/-0.010 χ^2/NDF: 232065.3/54

In: -0.269+/-0.010 χ^2/NDF:243933.3/48

Out: -0.322+/-0.009 χ^2/NDF:239364.8/52

All: -0.297+/-0.007 χ^2/NDF: 483313.3/101

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.168+/-0.019 χ^2/NDF: 7297.0/25

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

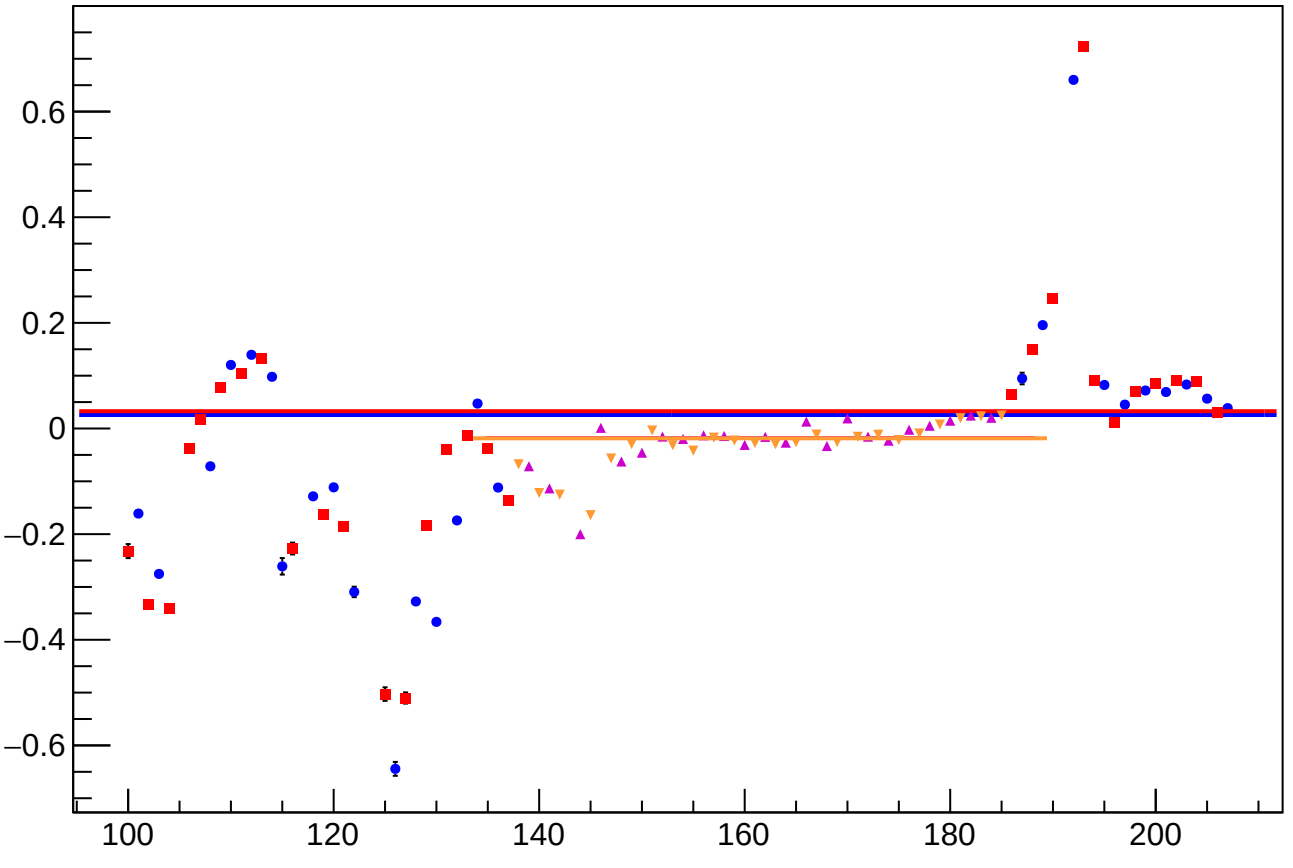
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.182+/-0.013 χ^2/NDF: 12707.4/54

In: -0.279+/-0.010 χ^2/NDF:14227.6/48

Out: -0.374+/-0.010 χ^2/NDF:10138.4/52

All: -0.325+/-0.007 χ^2/NDF: 24410.0/101



Right In: 0.026+/-0.001 χ^2/NDF: 33736.1/25

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

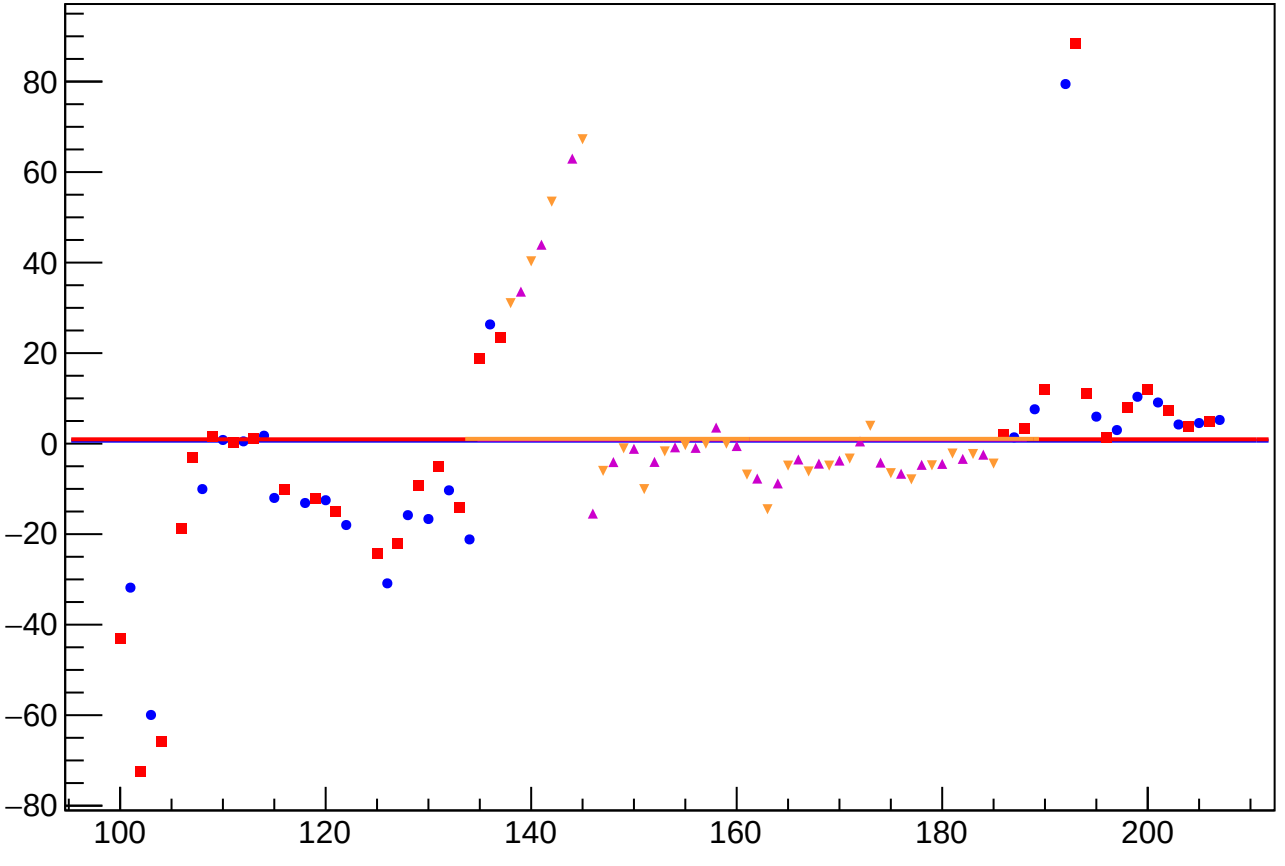
Right: 0.029+/-0.001 χ^2/NDF: 67158.8/54

In: -0.006+/-0.000 χ^2/NDF:40581.6/48

Out: -0.003+/-0.000 χ^2/NDF:40362.4/52

All: -0.004+/-0.000 χ^2/NDF: 80977.2/101

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.653+/-0.041 χ^2/NDF: 120160.1/25

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

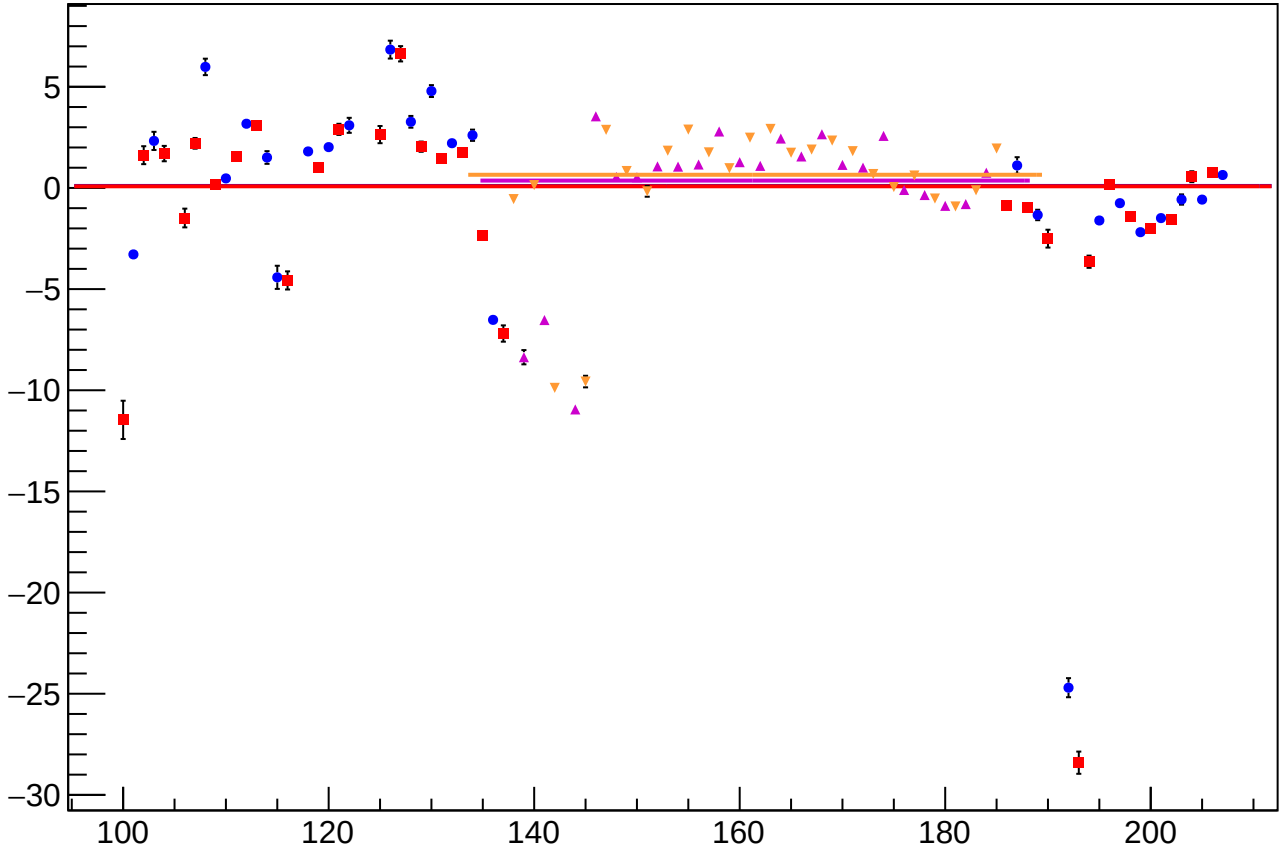
Right: 0.823+/-0.027 χ^2/NDF: 238716.8/54

In: 0.787+/-0.028 χ^2/NDF:252997.6/48

Out: 1.000+/-0.027 χ^2/NDF:249539.8/52

All: 0.900+/-0.019 χ^2/NDF: 502567.0/101

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.099+/-0.047 χ^2/NDF: 5972.3/25

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

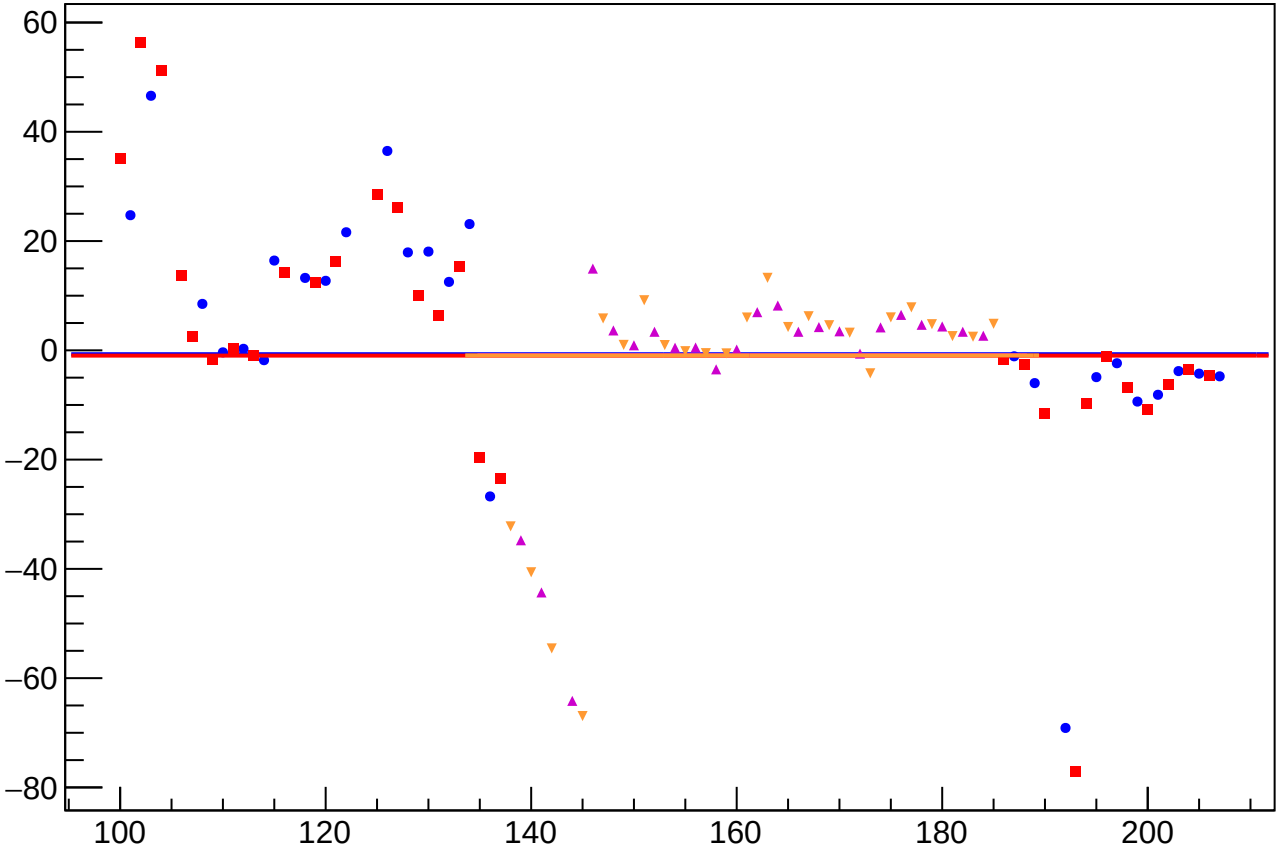
Right: 0.090+/-0.032 χ^2/NDF: 10965.5/54

In: 0.283+/-0.026 χ^2/NDF:13116.7/48

Out: 0.448+/-0.027 χ^2/NDF:9807.0/52

All: 0.364+/-0.019 χ^2/NDF: 22943.4/101

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.708+/-0.042 χ^2/NDF: 118974.0/25

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

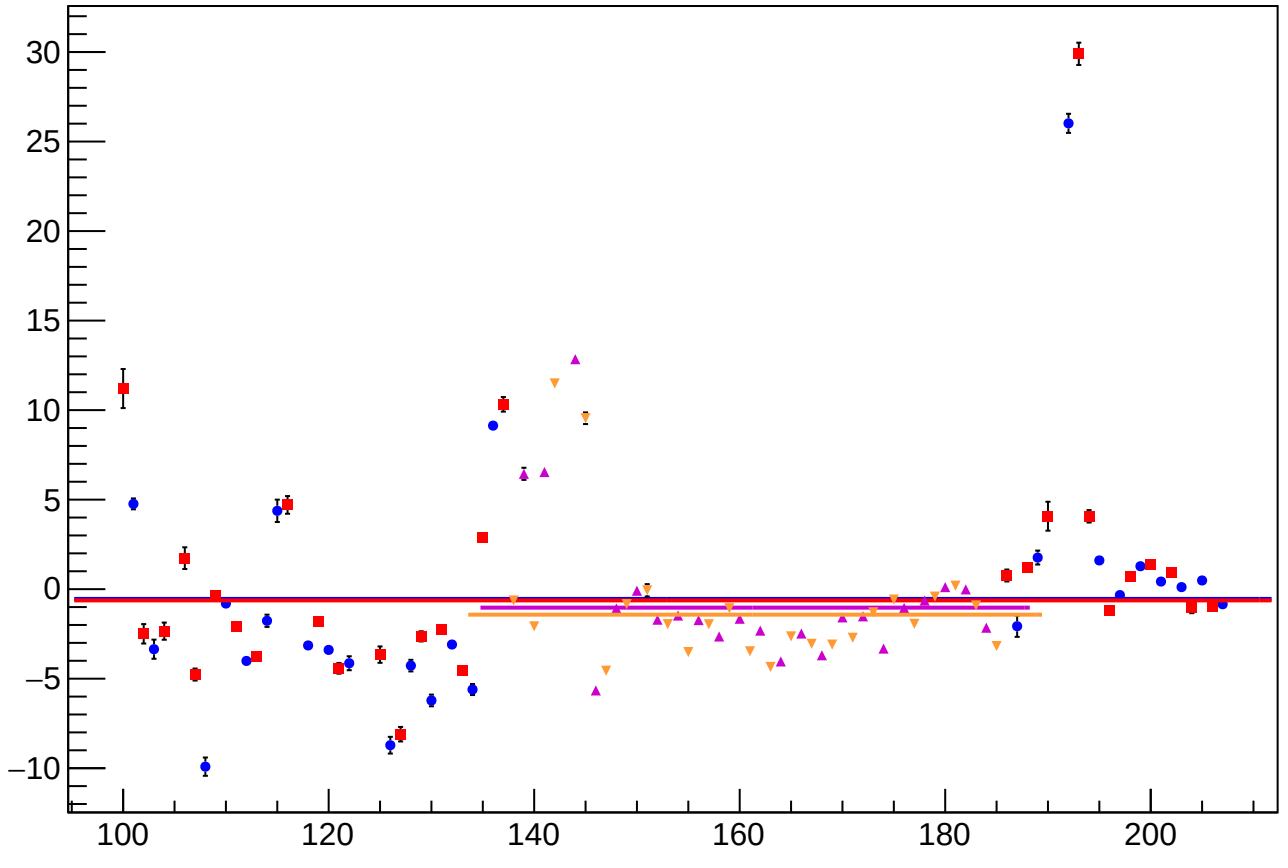
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -0.851+/-0.028 χ^2/NDF: 235920.1/54

In: -0.788+/-0.029 χ^2/NDF:248471.6/48

Out: -0.948+/-0.028 χ^2/NDF:243285.8/52

All: -0.871+/-0.020 χ^2/NDF: 491773.6/101



Right In: -0.545+/-0.055 χ^2/NDF: 7453.9/25

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

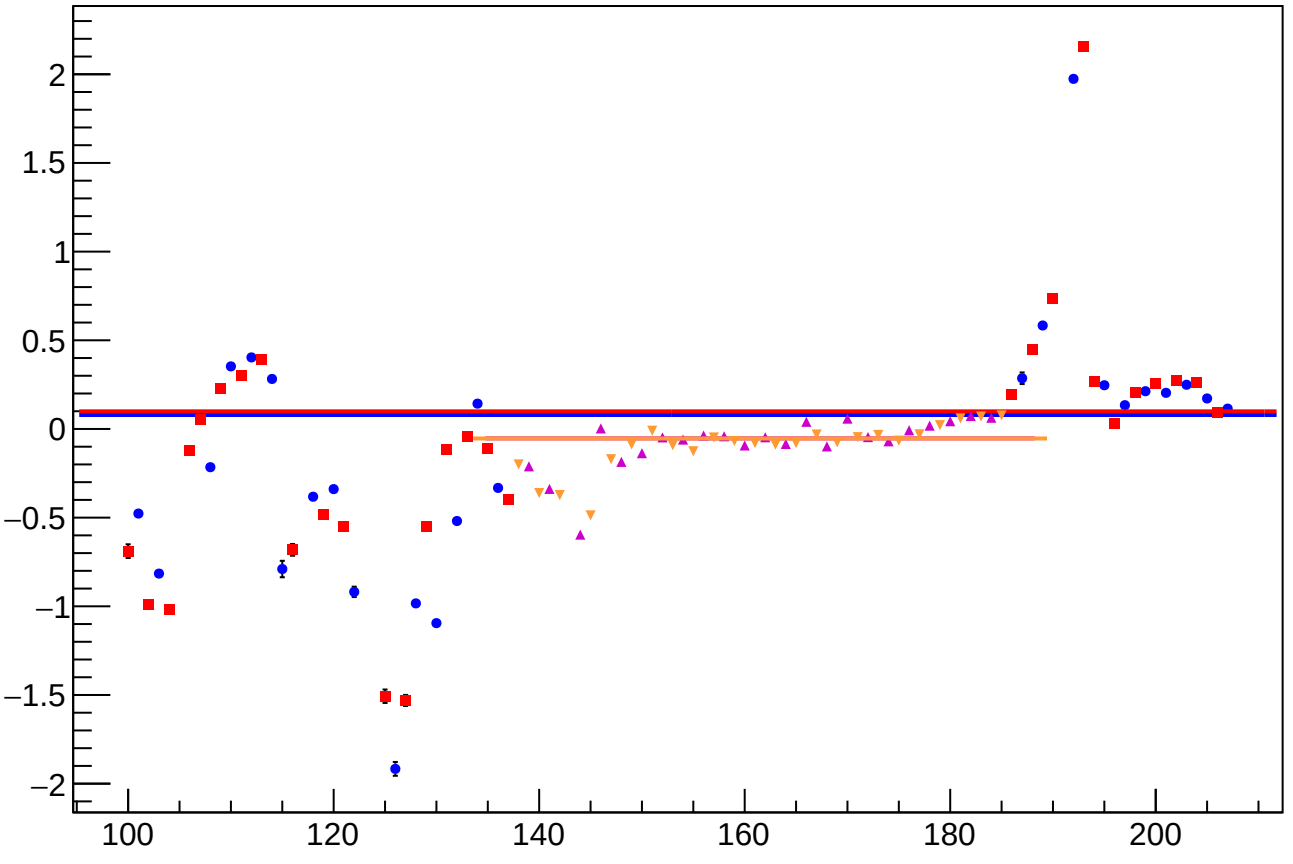
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.589+/-0.038 χ^2/NDF: 12960.6/54

In: -0.893+/-0.029 χ^2/NDF:14561.4/48

Out: -1.160+/-0.030 χ^2/NDF:10302.6/52

All: -1.024+/-0.021 χ^2/NDF: 24904.7/101



Right In: 0.079+/-0.002 χ^2/NDF: 34332.1/25

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

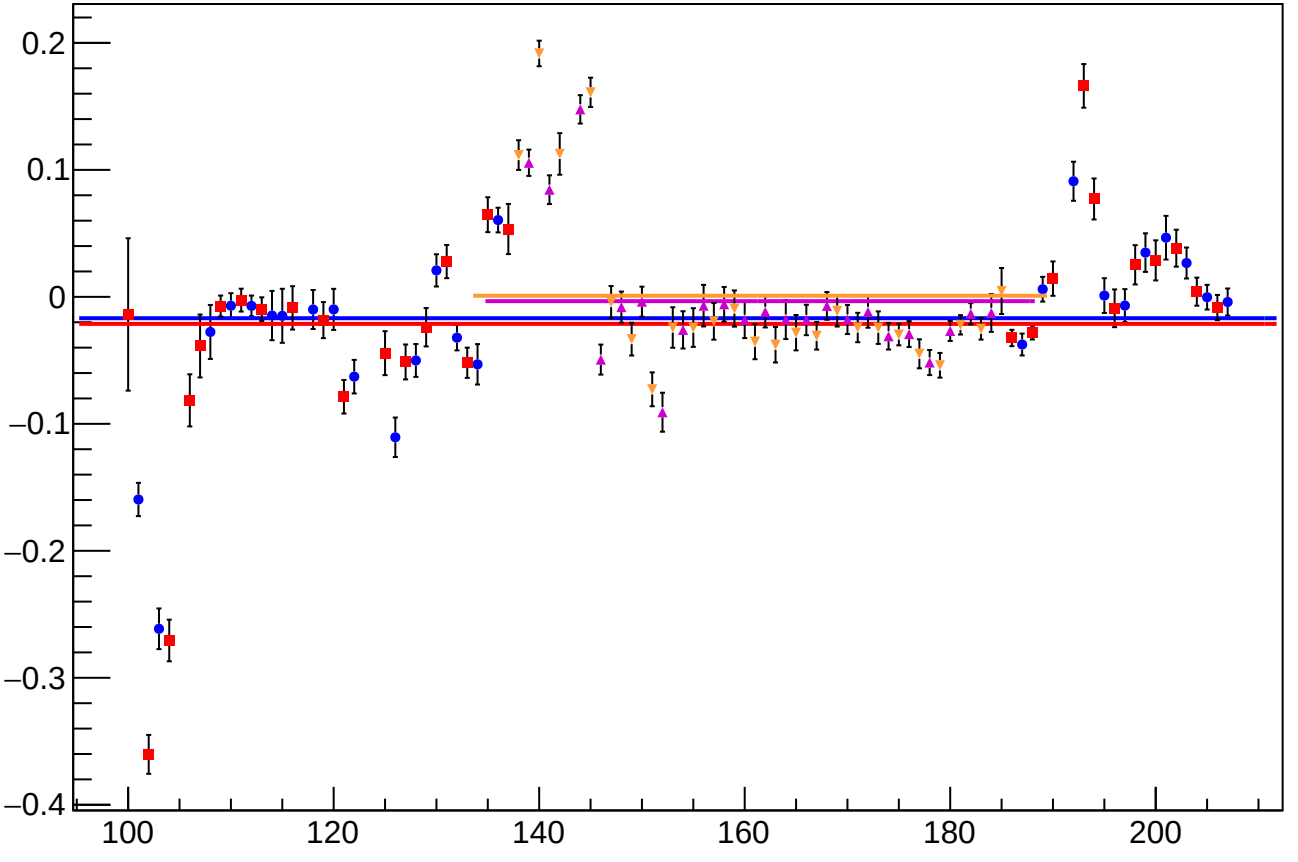
Right: 0.089+/-0.002 χ^2/NDF: 68385.6/54

In: -0.017+/-0.001 χ^2/NDF:41480.1/48

Out: -0.006+/-0.001 χ^2/NDF:41242.9/52

All: -0.012+/-0.001 χ^2/NDF: 82763.5/101

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -0.017+/-0.002 χ^2/NDF: 594.7/25

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

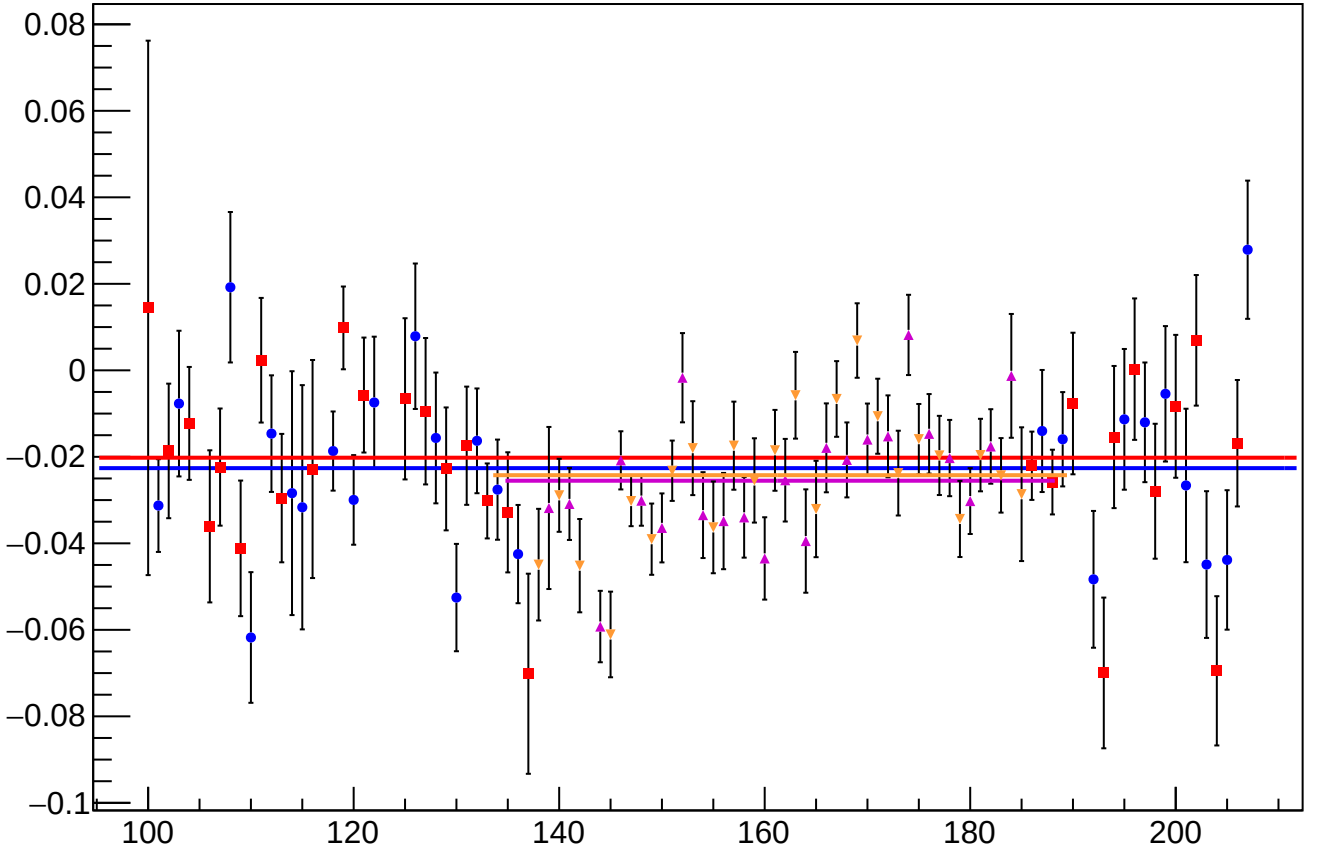
Right: -0.019+/-0.002 χ^2/NDF: 1647.1/54

In: -0.010+/-0.002 χ^2/NDF:1068.0/48

Out: -0.011+/-0.002 χ^2/NDF:1946.7/52

All: -0.011+/-0.001 χ^2/NDF: 3015.0/101

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.023+/-0.003 χ^2/NDF: 48.1/25

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

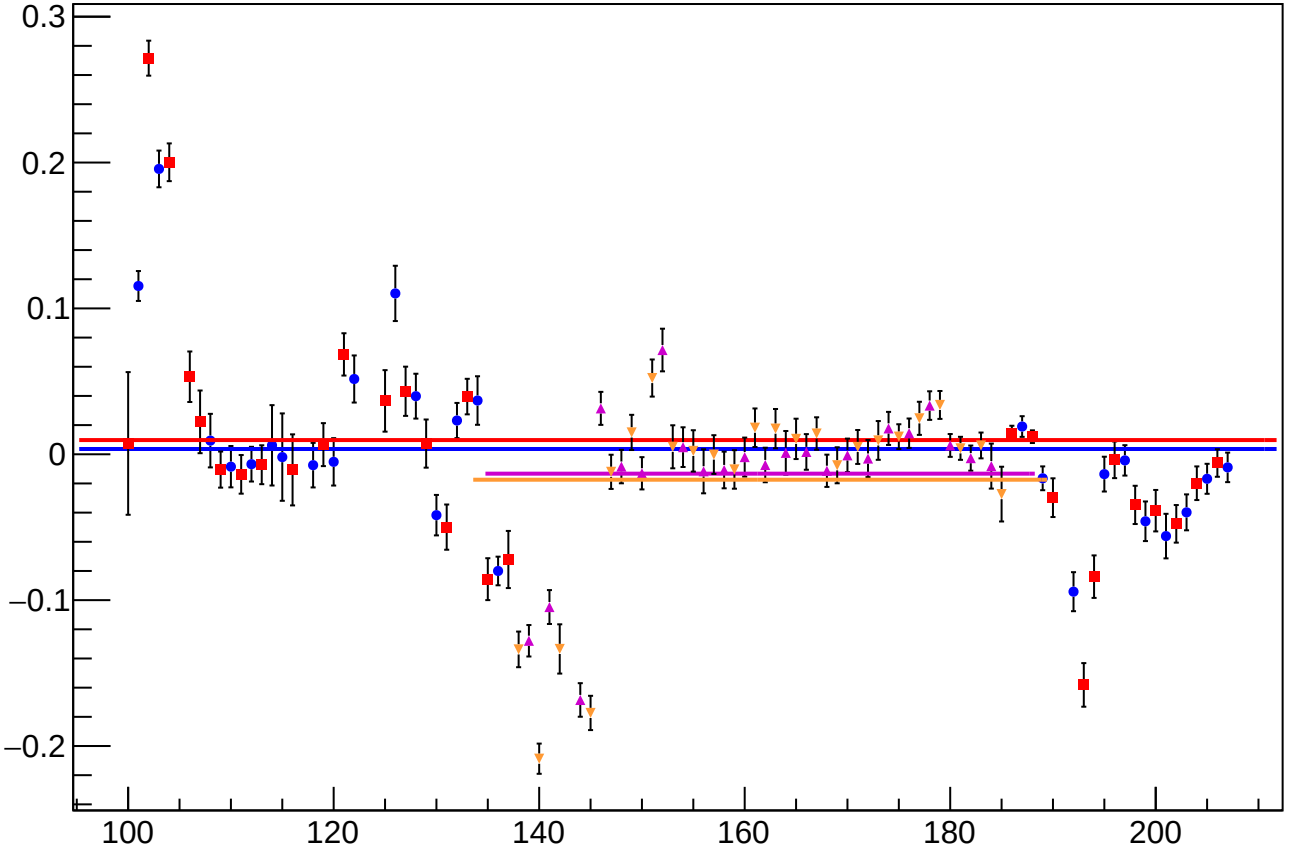
Right: -0.021+/-0.002 χ^2/NDF: 96.8/54

In: -0.025+/-0.002 χ^2/NDF:103.9/48

Out: -0.023+/-0.001 χ^2/NDF:103.7/52

All: -0.024+/-0.001 χ^2/NDF: 208.2/101

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.004+/-0.002 χ^2/NDF: 603.8/25

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

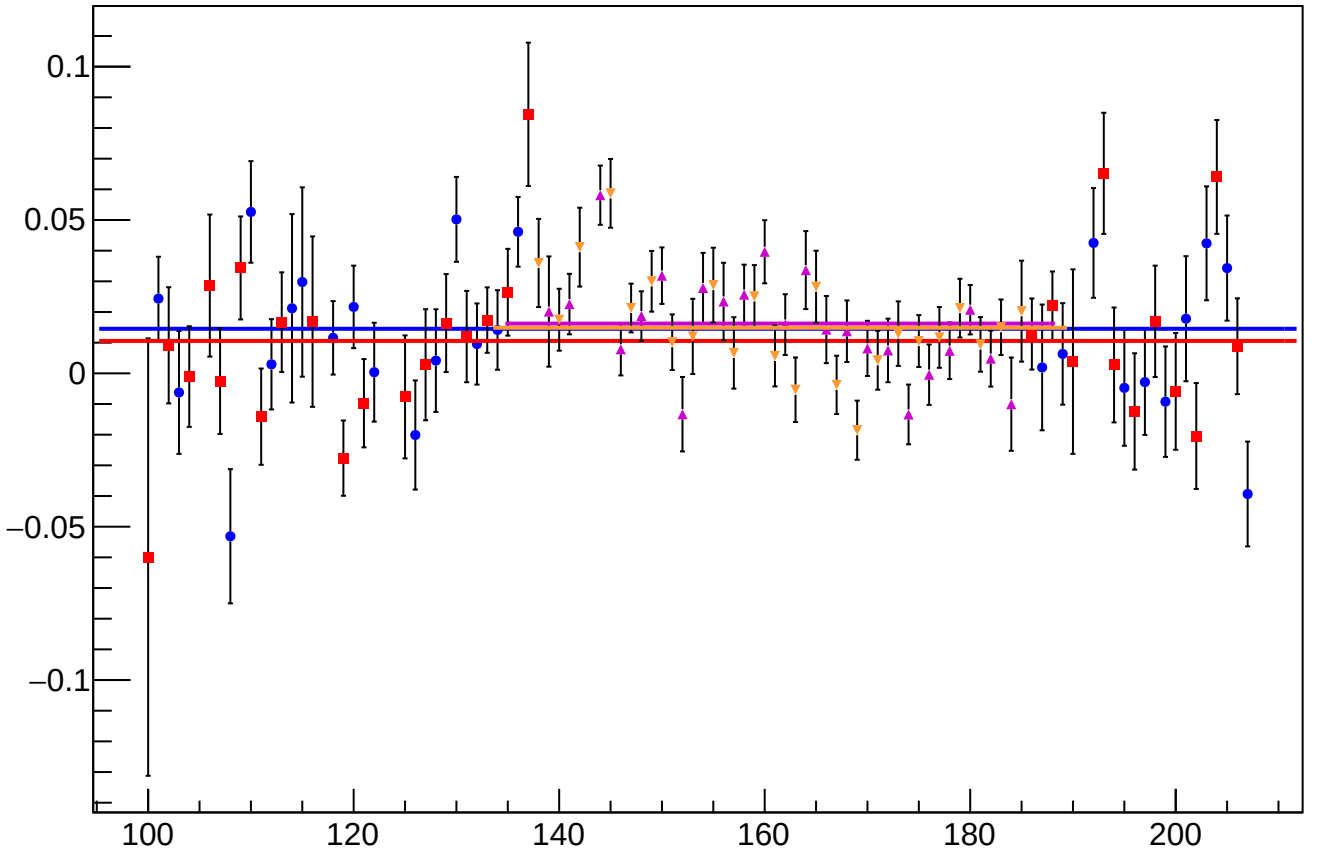
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

Right: 0.007+/-0.002 χ^2/NDF: 1650.5/54

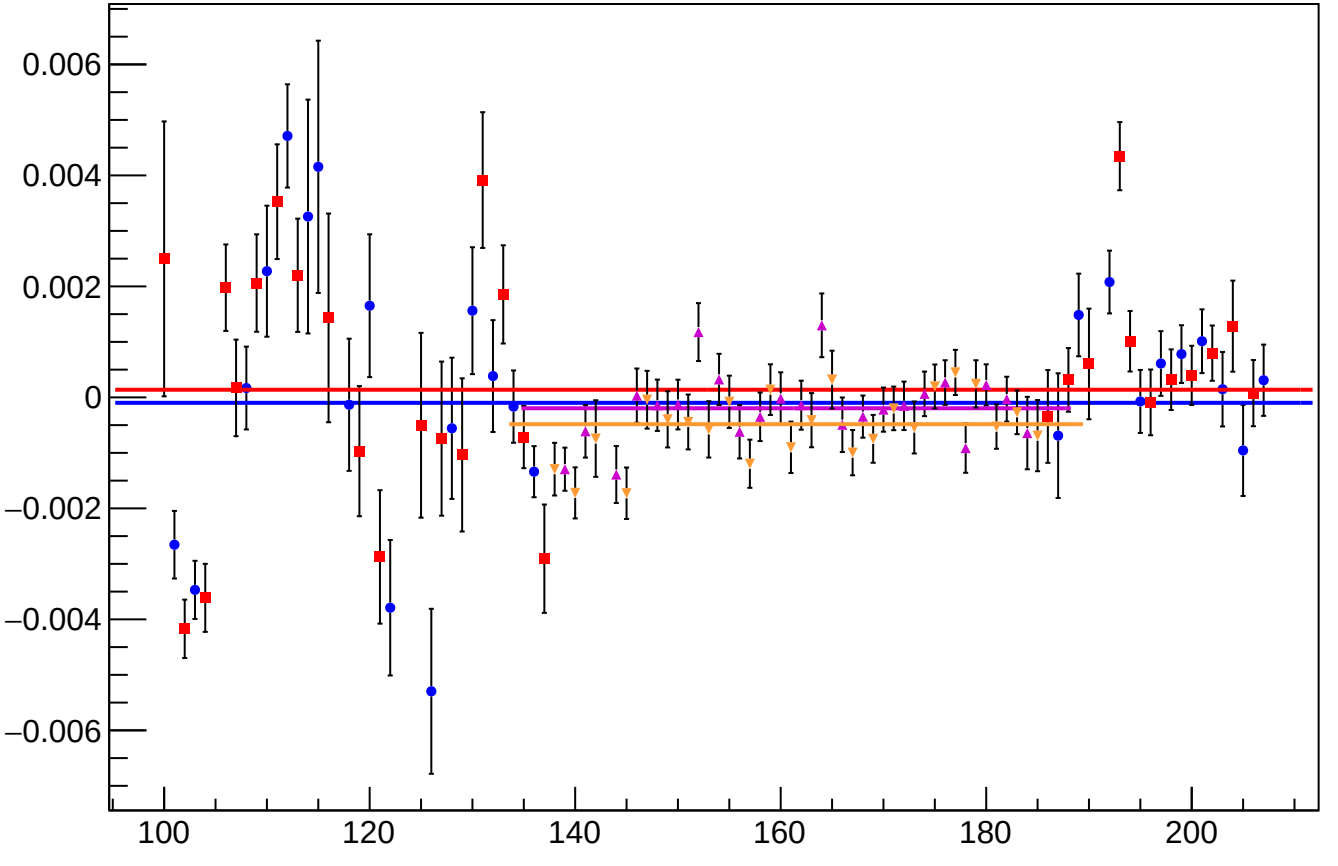
In: -0.005+/-0.002 χ^2/NDF:1087.1/48

Out: -0.002+/-0.002 χ^2/NDF:1928.0/52

All: -0.004+/-0.001 χ^2/NDF: 3016.5/101


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: 0.015+/-0.003 χ²/NDF: 57.6/25
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: 0.012+/-0.002 χ²/NDF: 113.1/54
In: 0.016+/-0.002 χ²/NDF:115.8/48
Out: 0.014+/-0.002 χ²/NDF:108.1/52
All: 0.015+/-0.001 χ²/NDF: 224.7/101

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 158.2/25

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

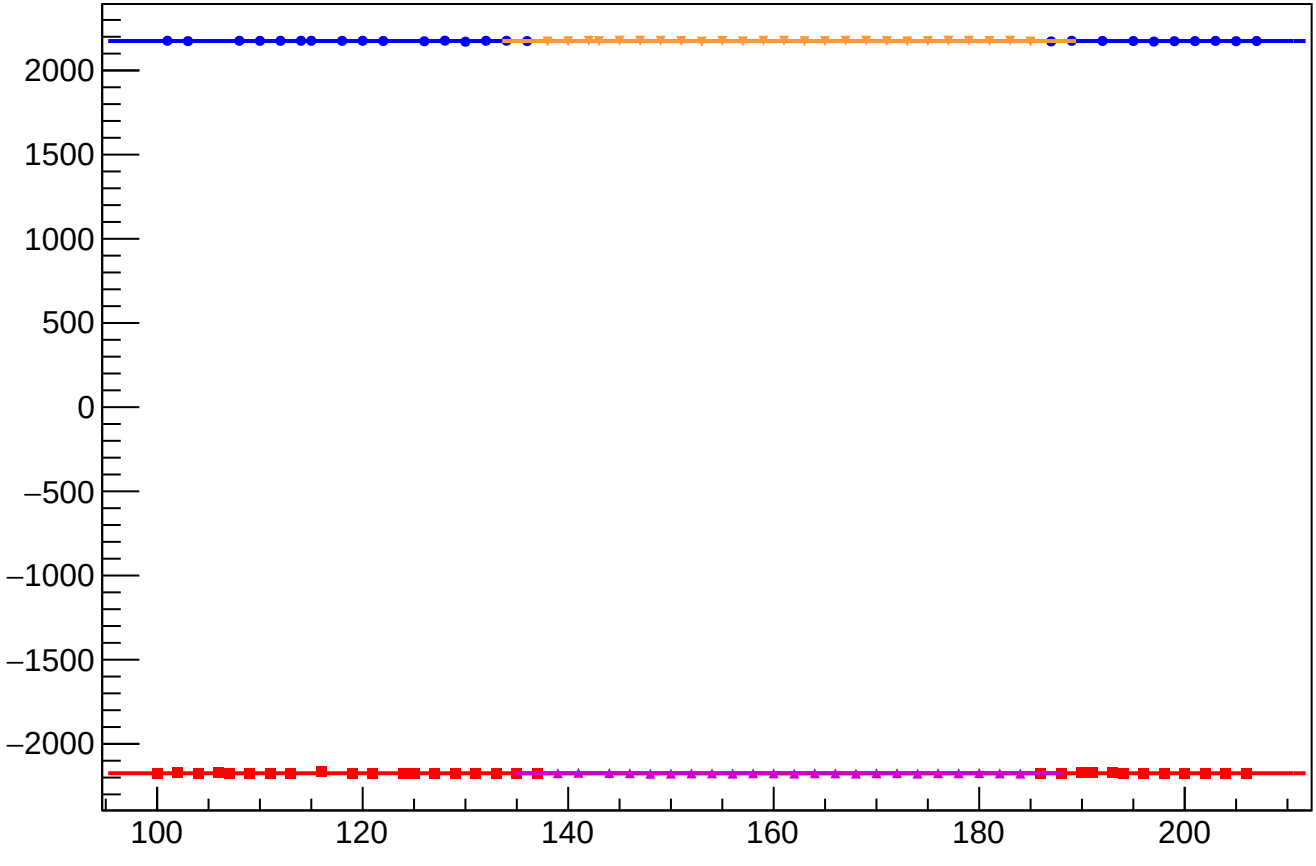
Right: 0.000+/-0.000 χ^2/NDF: 378.9/54

In: -0.000+/-0.000 χ^2/NDF:195.8/48

Out: -0.000+/-0.000 χ^2/NDF:273.8/52

All: -0.000+/-0.000 χ^2/NDF: 470.8/101

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.759+/-0.000 χ^2/NDF: 319183144932477805785873841861427 2.0/25

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.360+/-0.000 χ^2/NDF: 997248688077887114885867035951 1040.0/30

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572 9152.0/22

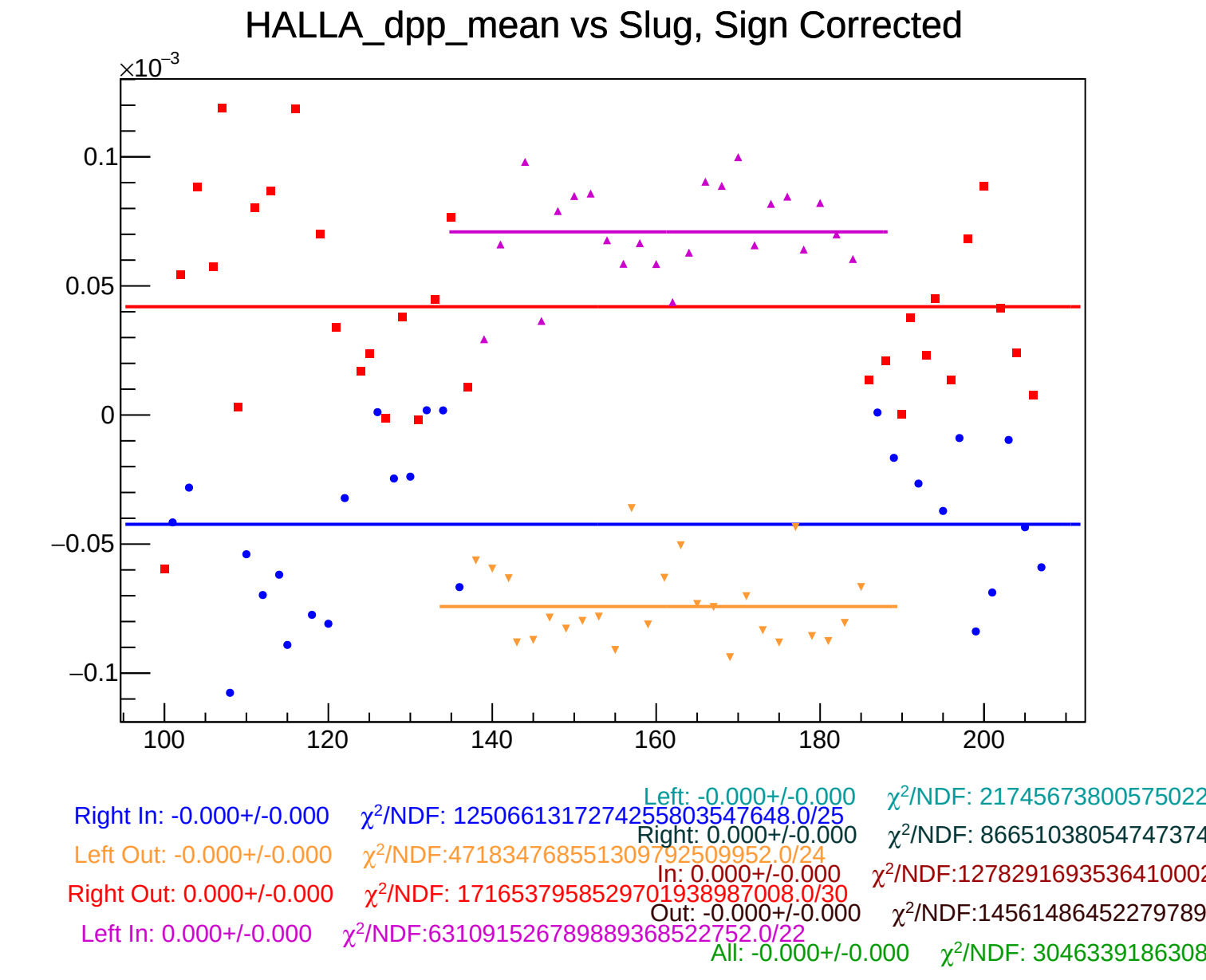
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315 0

Right: -100.581+/-0.000 χ^2/NDF: 151701589169 78

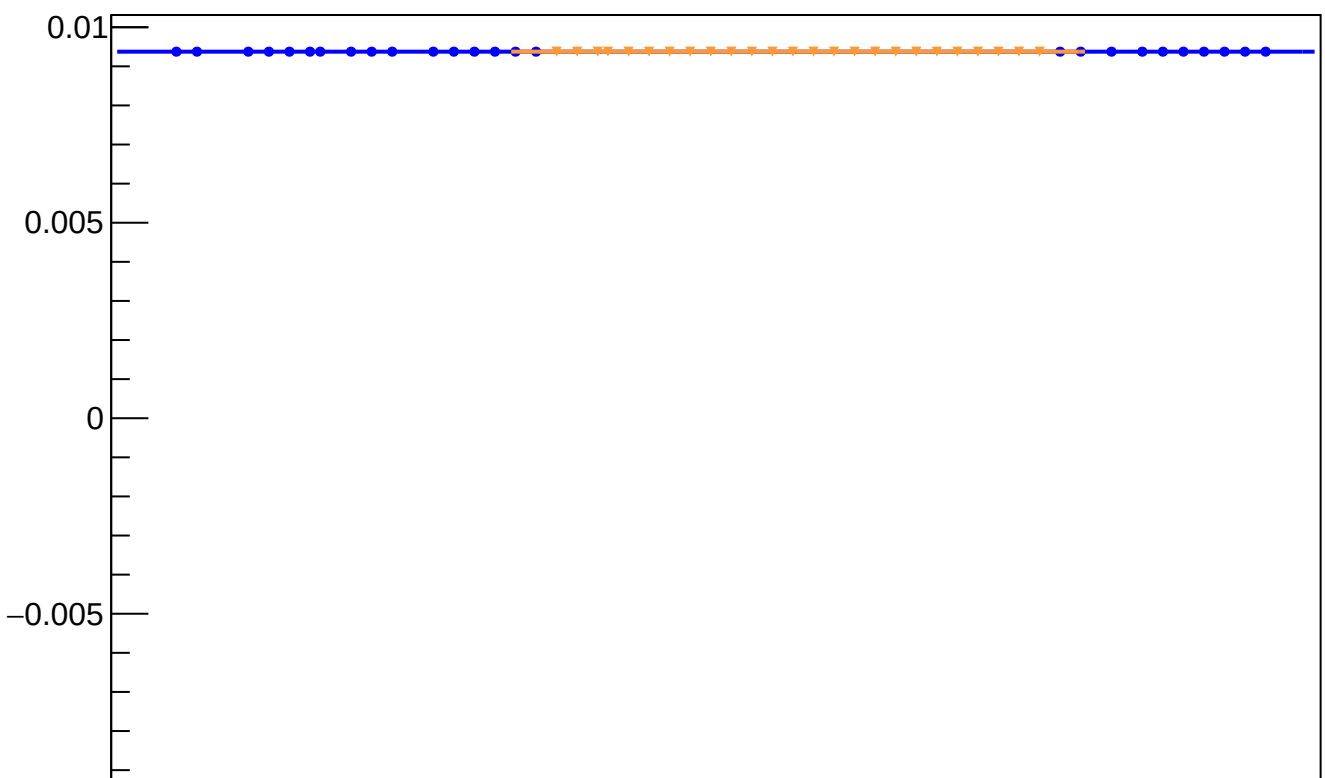
In: -235.775+/-0.000 χ^2/NDF:160723005443038 8

Out: 197.609+/-0.000 χ^2/NDF:173510284317937 0

All: -11.161+/-0.000 χ^2/NDF: 337580964153


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: 125066131727425580354764 8.0/25
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 171653795852970193898700 8.0/30
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: 86651038054747374
In: 0.000+/-0.000 χ²/NDF:1278291693536410002
Out: -0.000+/-0.000 χ²/NDF:14561486452279789
All: -0.000+/-0.000 χ²/NDF: 3046339186308

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/25

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

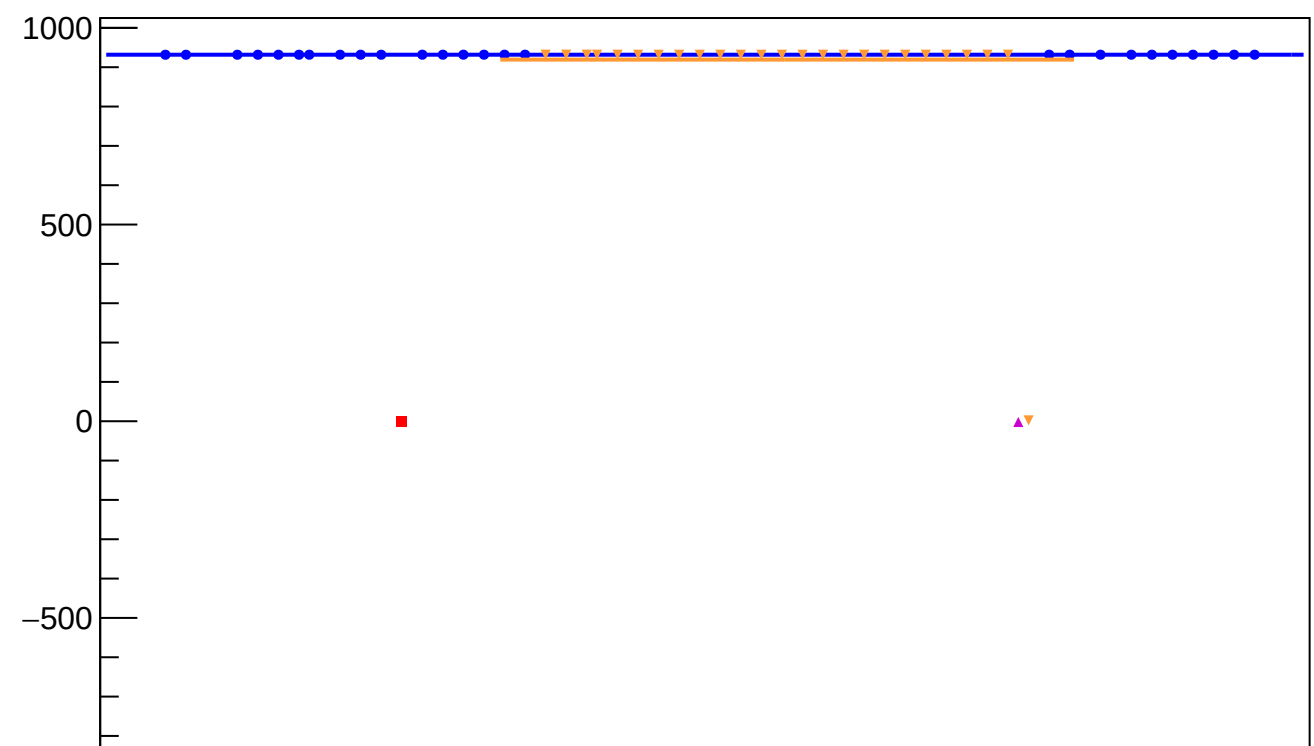
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 28196143565318760

In: -0.001+/-0.000 χ^2/NDF:29870013539546297

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6274343176565



Right In: 931.779+/-0.000 χ^2/NDF: 339086747914742355199183447654 4.0/25

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -923.472+/-0.000 χ^2/NDF: 1290623767679280294004340700945894 6048.0/30

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

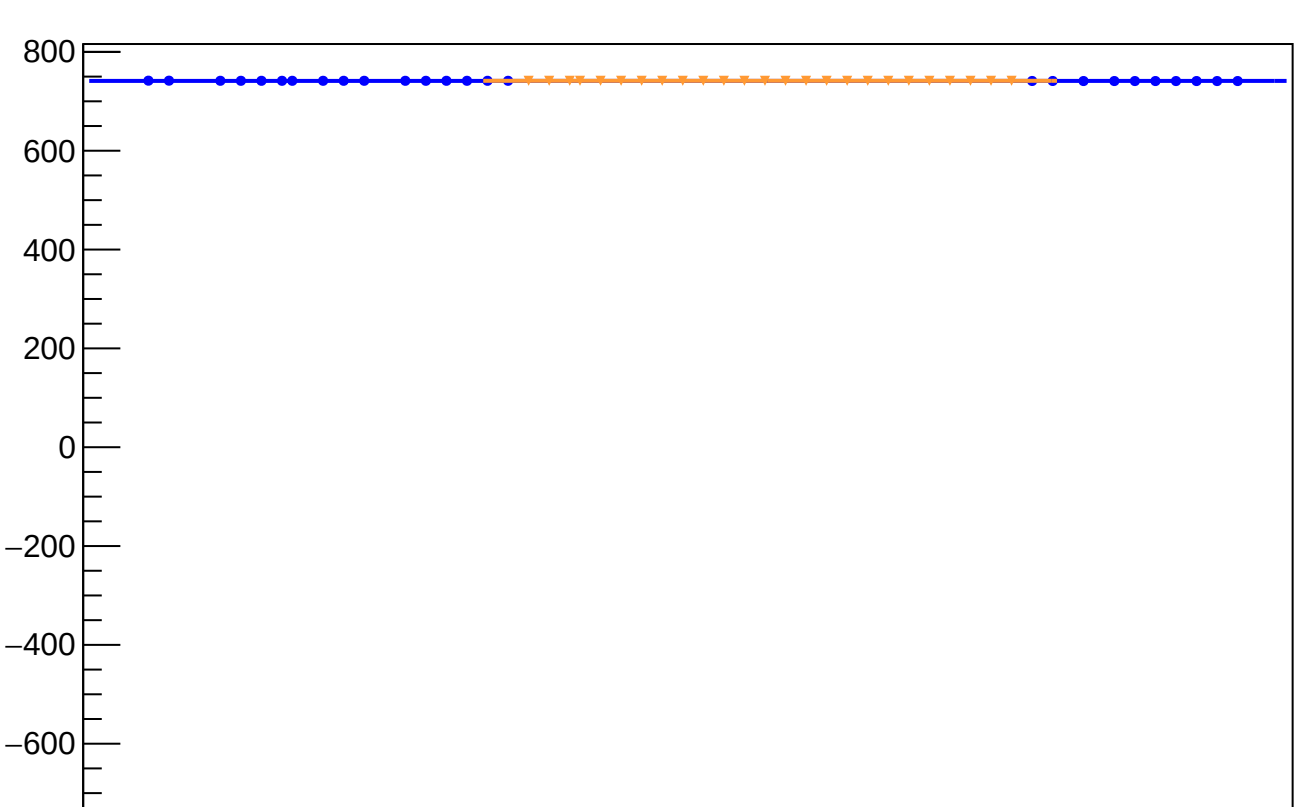
Left: 27.548+/-0.000 χ^2/NDF: 335355180821936 32

Right: -38.837+/-0.000 χ^2/NDF: 27734388081812 0

In: -92.680+/-0.000 χ^2/NDF:2929327051530274 5

Out: 81.612+/-0.000 χ^2/NDF:3151308033841550 4

All: -2.348+/-0.000 χ^2/NDF: 6134778659255



Right In: 741.295+/-0.000 χ^2/NDF: 1154113779496584843258189295124480/25

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005120/24

Right Out: -741.290+/-0.000 χ^2/NDF: 1249749958245737875913944638423040/30

Left In: -741.513+/-0.000 χ^2/NDF:2347039830300854231858958827520/22

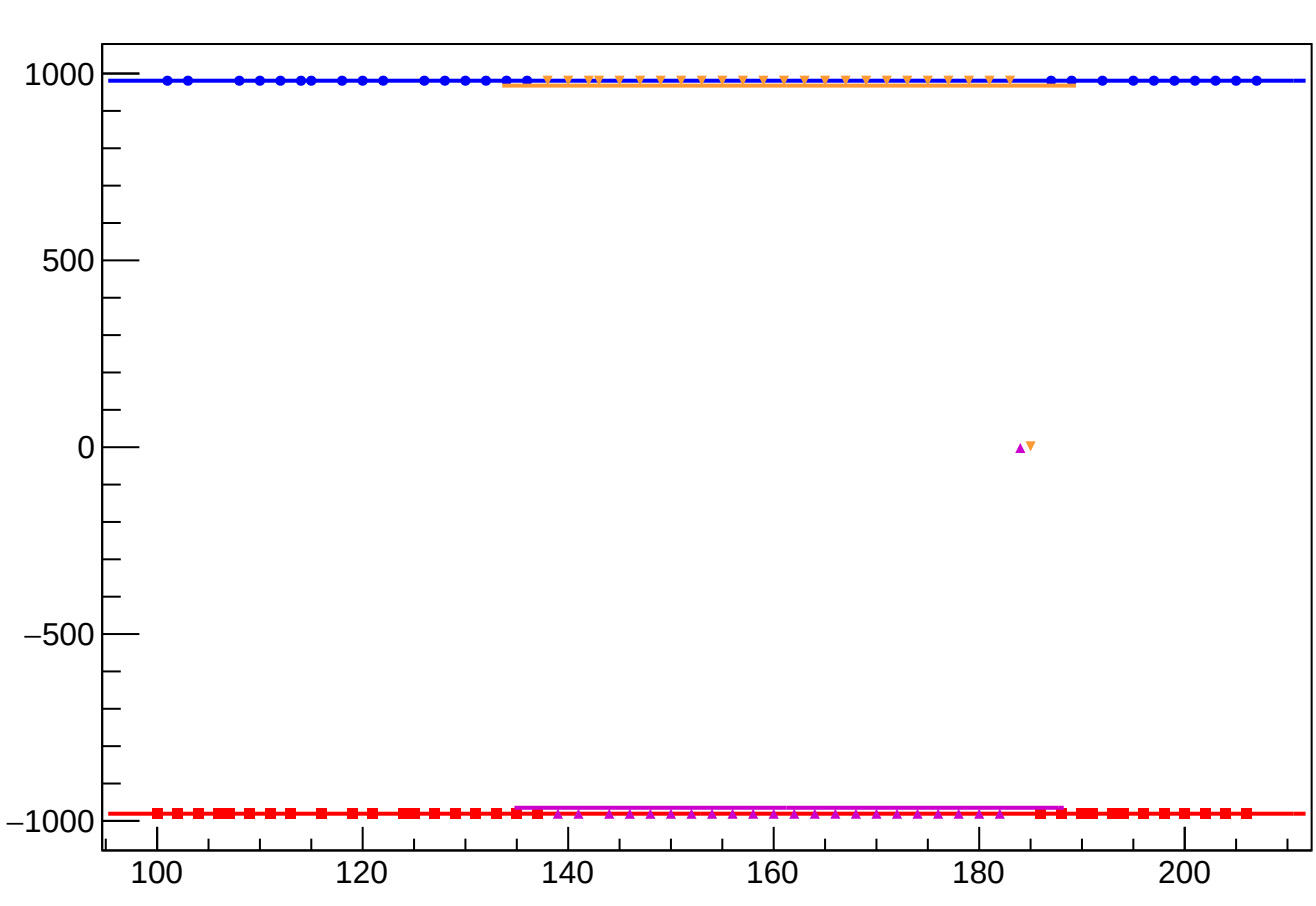
Left: 21.165+/-0.000 χ^2/NDF: 21558191183425632

Right: -34.353+/-0.000 χ^2/NDF: 176289514417194

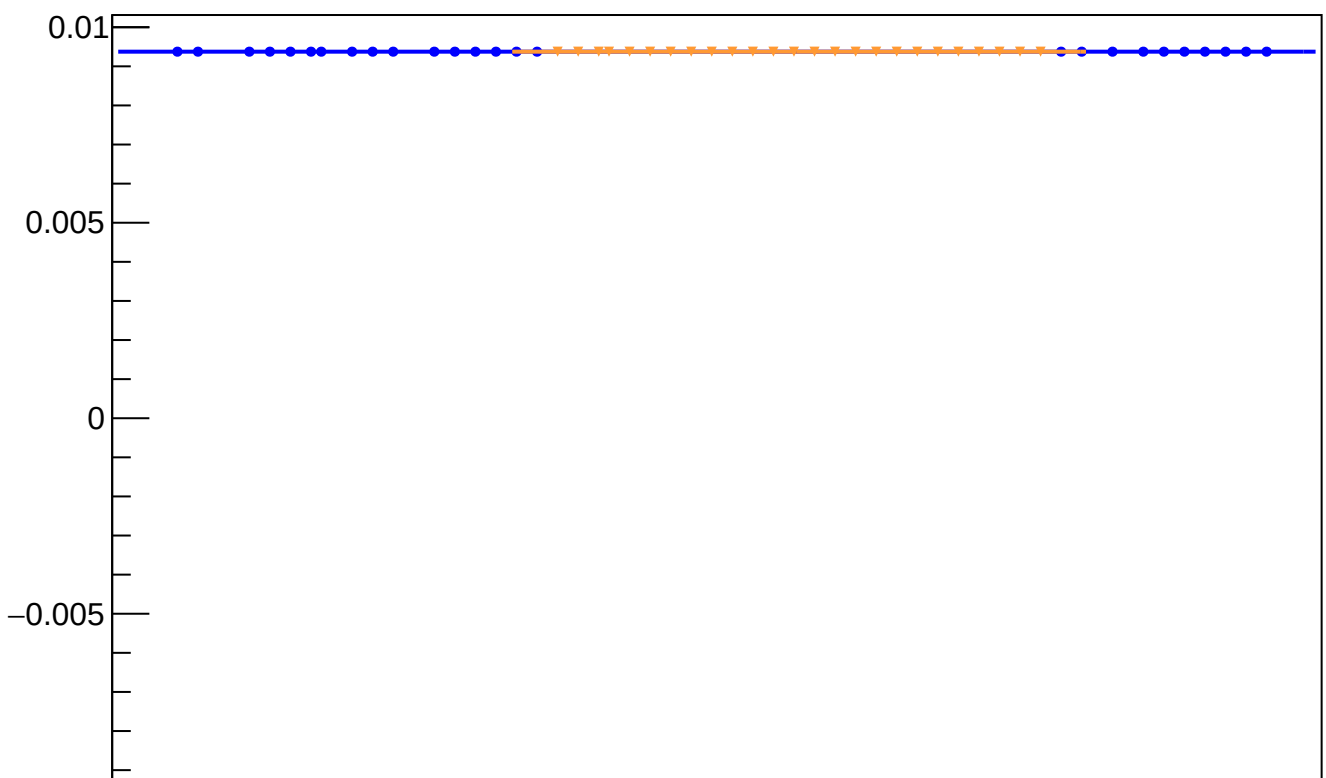
In: -80.523+/-0.000 χ^2/NDF:18681097165744240

Out: 67.439+/-0.000 χ^2/NDF:20170307120431241

All: -3.837+/-0.000 χ^2/NDF: 3924161009692


HacL_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 980.807+/-0.000 χ²/NDF: 1817314938668436286709413445632.0/25
Left Out: 967.677+/-0.000 χ²/NDF:2550515560327992564154129577963369267 2.0/24
Right Out: -980.778+/-0.000 χ²/NDF: 6340491652581270169990077612032 0.0/30
Left In: -964.854+/-0.000 χ²/NDF:29215838960103078784112845628245016576.0/22
Left: 28.991+/-0.000 χ²/NDF: 37154523356806808
Right: -45.441+/-0.000 χ²/NDF: 308603998478743
In: -97.538+/-0.000 χ²/NDF:32455953004740903
Out: 81.920+/-0.000 χ²/NDF:3508285690282467 5
All: -4.529+/-0.000 χ²/NDF: 6811282361518

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/25

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

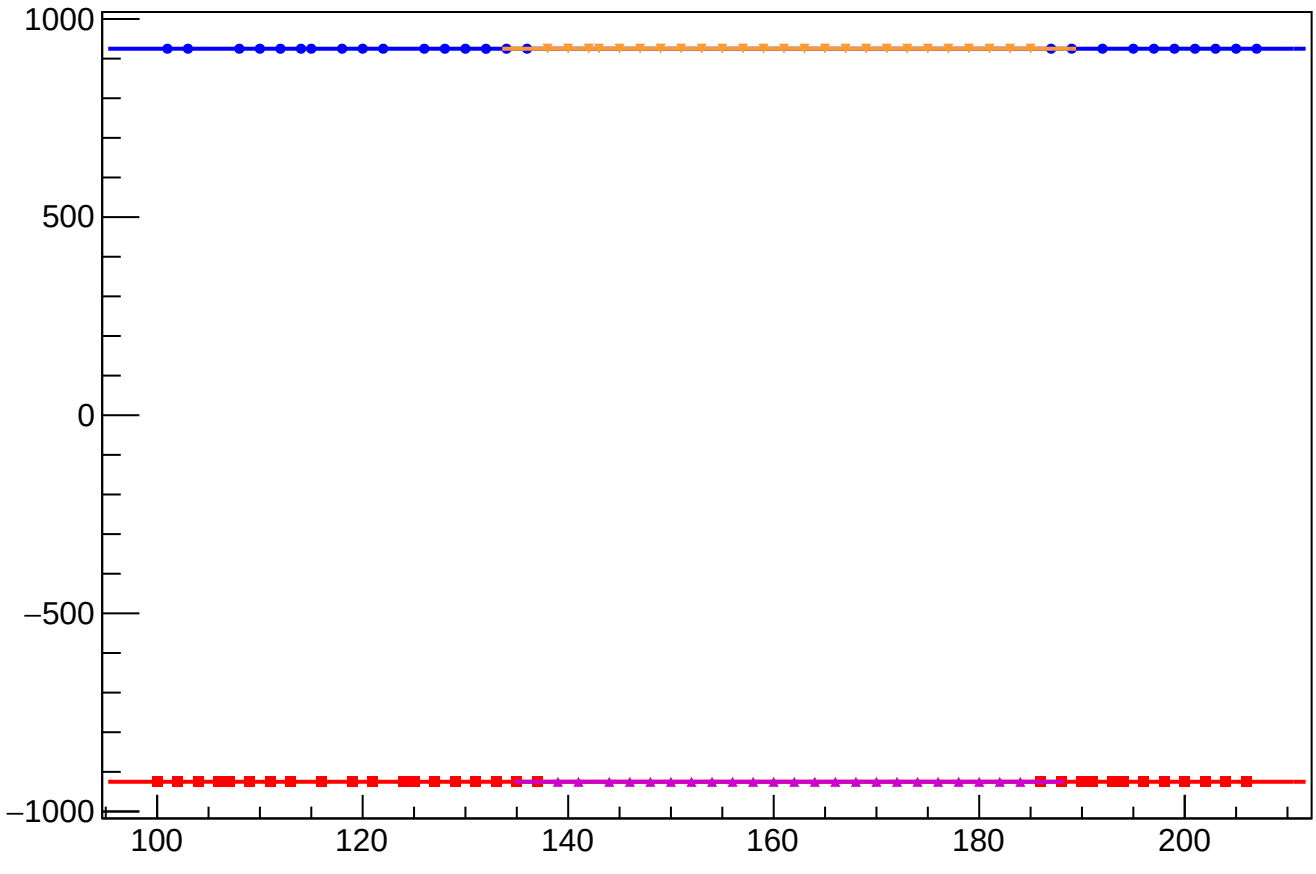
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 28196143565318760

In: -0.001+/-0.000 χ^2/NDF:298700135395462978

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6274343176565



Right In: 924.991+/-0.000 χ^2/NDF: 352256764318326789967501380812 8.0/25

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.995+/-0.000 χ^2/NDF: 19480376443588010571087300526 08.0/30

Left In: -924.983+/-0.000 χ^2/NDF:928270307181587701368348475392.0/22

Left: 26.401+/-0.000 χ^2/NDF: 3354615142636374

Right: -42.871+/-0.000 χ^2/NDF: 274488527438058

In: -100.322+/-0.000 χ^2/NDF:2907798572629364

Out: 83.993+/-0.000 χ^2/NDF:3139631353130882

All: -4.795+/-0.000 χ^2/NDF: 6107980288097

Right In: 762.566+/-0.000 χ^2/NDF: 553102380061949003122453071790008.0/25

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:67064753778125939445211961753 6.0/22

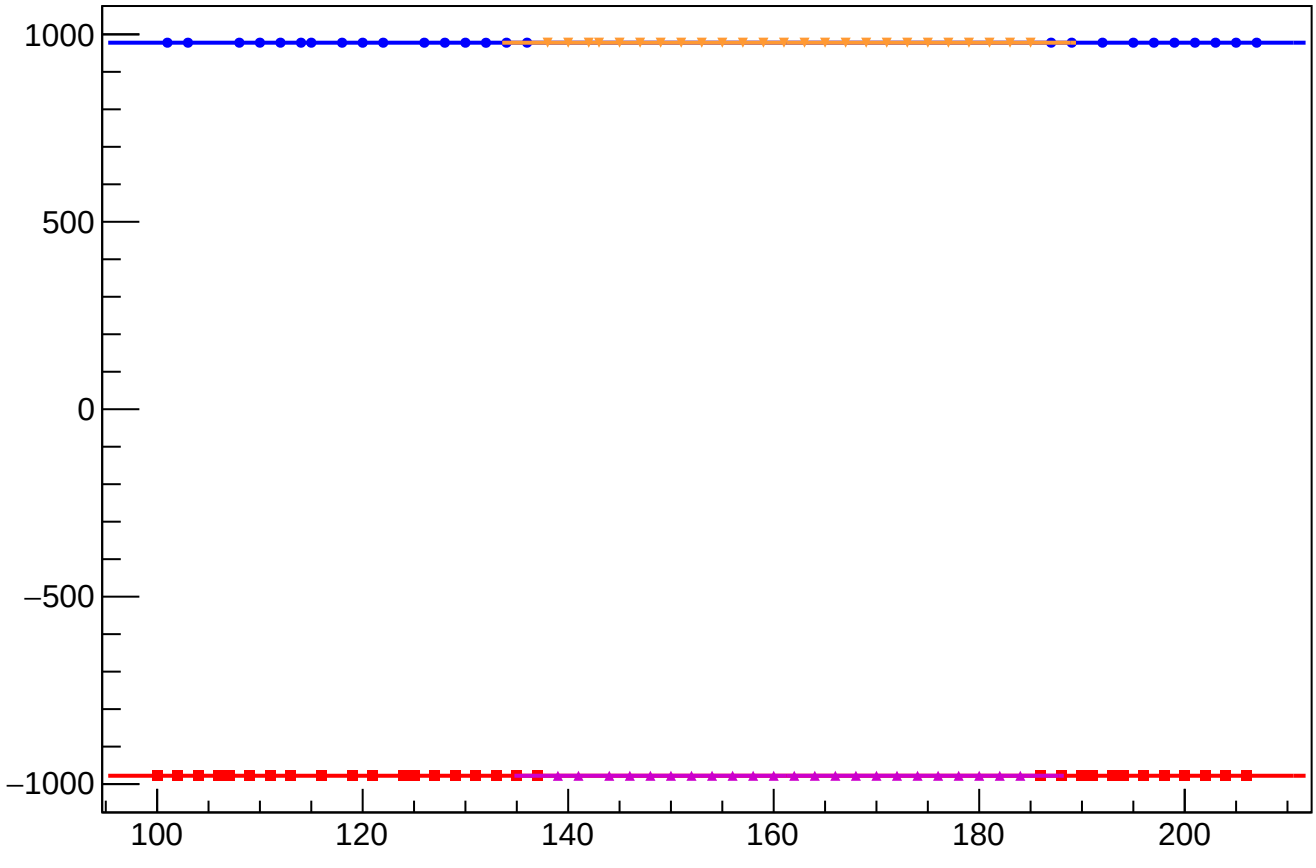
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -31.102+/-0.000 χ^2/NDF: 185309019093101

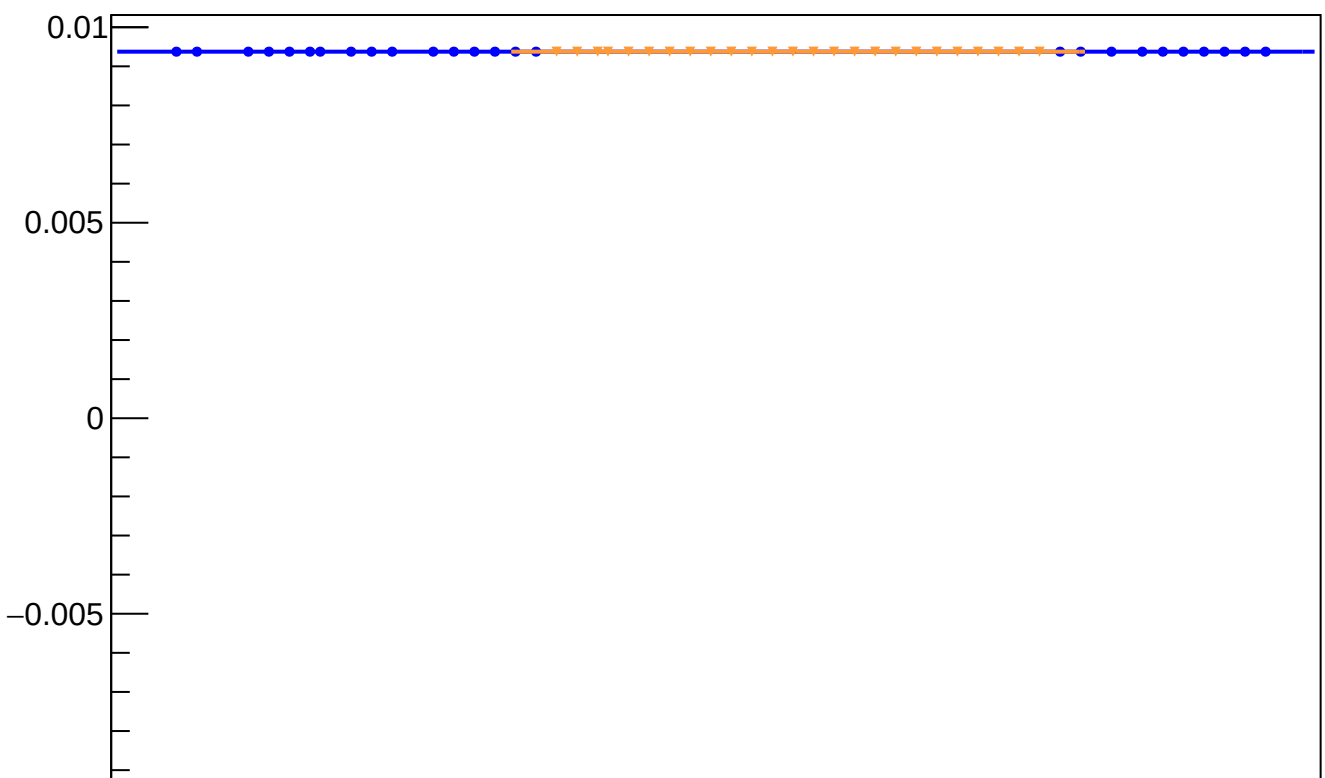
In: -82.683+/-0.000 χ^2/NDF:19761547915951095

Out: 72.906+/-0.000 χ^2/NDF:21184168846395297

All: -2.044+/-0.000 χ^2/NDF: 4137719240565


HacR_Q3_HP3458A_IOUT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
100
120
140
160
180
200
Right In: 977.759+/-0.000 χ²/NDF: 22120085723043792334924388761600.0/25
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
Right Out: -977.756+/-0.000 χ²/NDF: 284015521816948996145394011340800.0/30
Left In: -977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
Left: 27.908+/-0.000 χ²/NDF: 37481642757083146
Right: -45.313+/-0.000 χ²/NDF: 306697216849375
In: -106.036+/-0.000 χ²/NDF:3248973316329600
Out: 88.781+/-0.000 χ²/NDF:3507990298293593
All: -5.067+/-0.000 χ²/NDF: 6824610657225

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/25

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

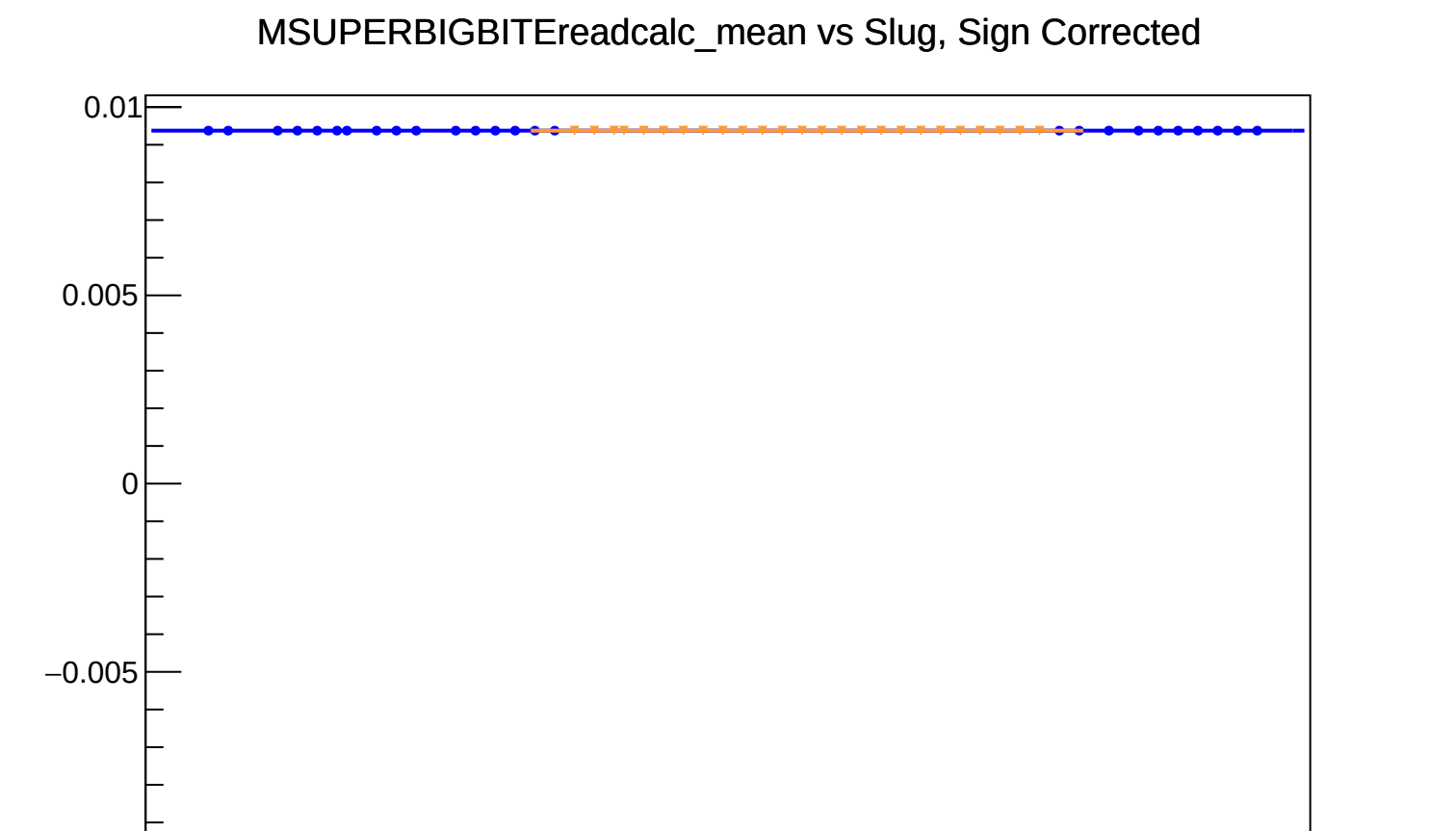
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 28196143565318760

In: -0.001+/-0.000 χ^2/NDF:29870013539546297

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6274343176565



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/25

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

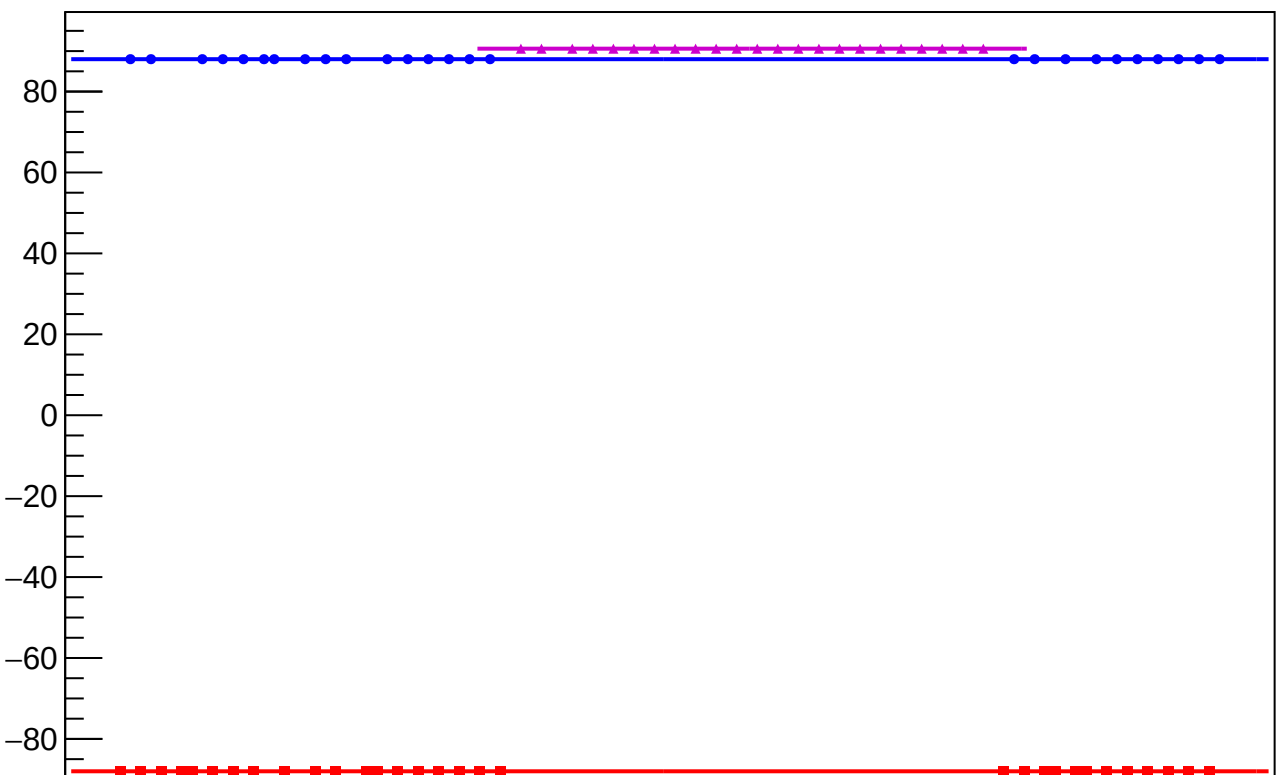
Right: -0.000+/-0.000 χ^2/NDF: 28196143565318760

In: -0.001+/-0.000 χ^2/NDF:298700135395462978

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6274343176565

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 2919769.8/25

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: -4.079+/-0.000 χ^2/NDF: 2484422756987166

In: 89.441+/-0.000 χ^2/NDF:573732767637077812

Out: -89.419+/-0.000 χ^2/NDF:6188957818001764

All: -3.258+/-0.000 χ^2/NDF: 5703103251764

HWienAngle_mean vs Slug, Sign Corrected

Right In: -29.372+/-0.000 χ^2/NDF: 12124168767123321158968269560872960.0/25

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.392+/-0.000 χ^2/NDF: 125033156432818435664339527951974 4.0/30

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

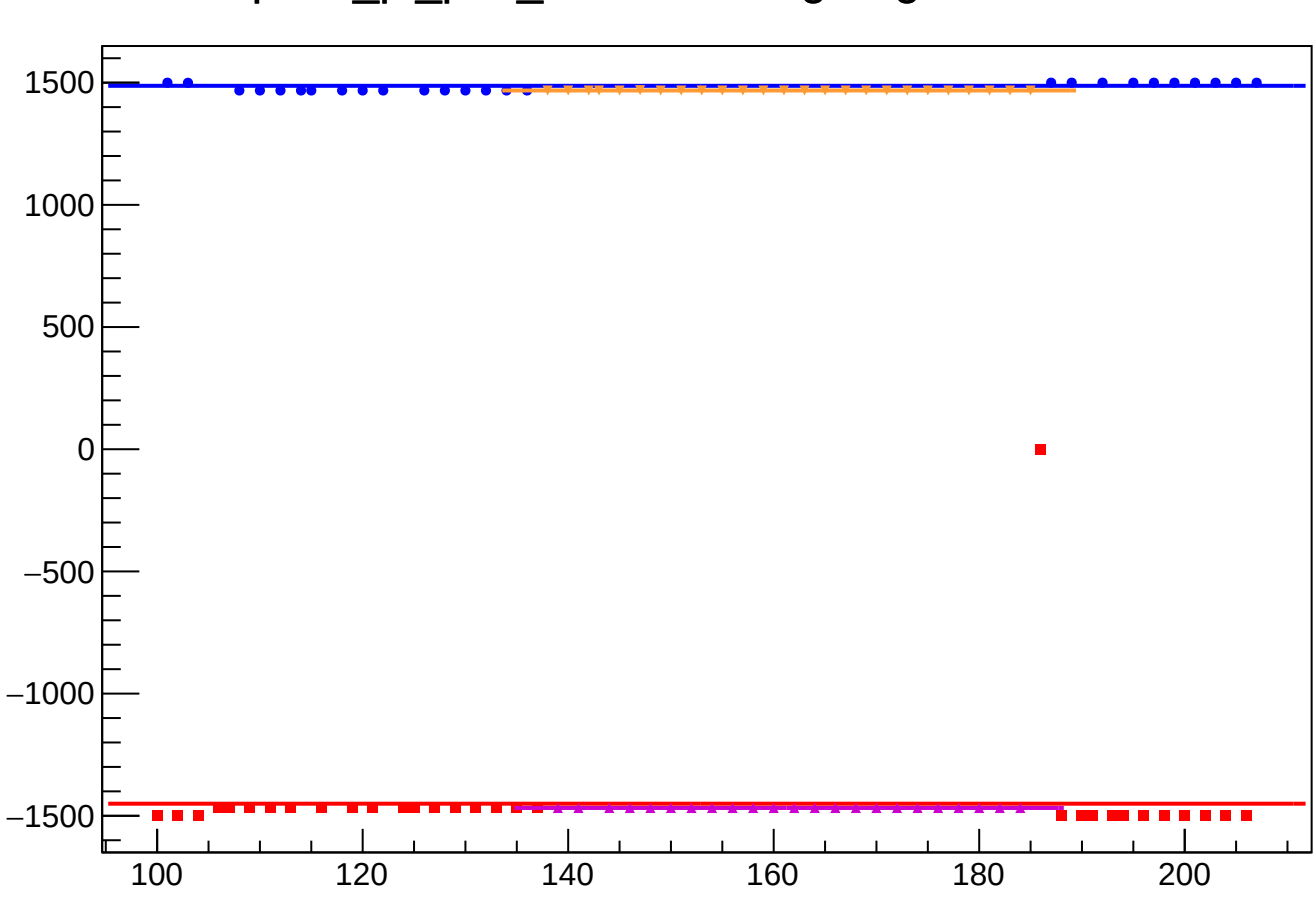
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 1.372+/-0.000 χ^2/NDF: 27720642218918010

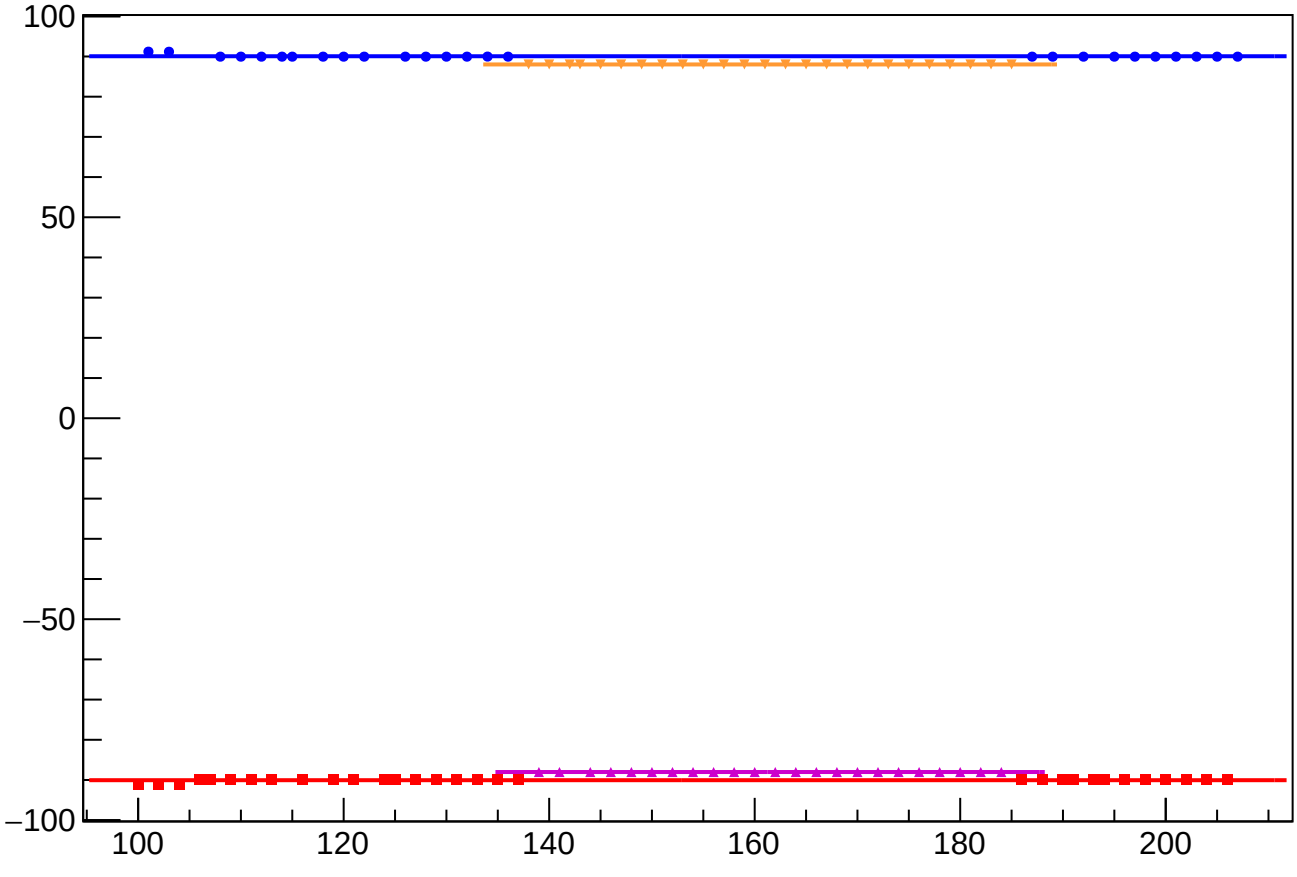
In: 3.335+/-0.000 χ^2/NDF:296009774682008342 1

Out: -2.805+/-0.000 χ^2/NDF:31981860730038246

All: 0.153+/-0.000 χ^2/NDF: 6225460572508 4


psub_pl_pos_mean vs Slug, Sign Corrected
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 1487.175+/-0.000 χ²/NDF: 3764088354538378487841472632670126080.0/25
Left Out: 1468.051+/-0.000 χ²/NDF:139558223587677068165594208010240.0/24
Right Out: -1450.476+/-0.000 χ²/NDF: 9102349213126107960926521357008843571 2.0/30
Left In: -1467.994+/-0.000 χ²/NDF:1554938089860967537552245391360/22
Left: 41.929+/-0.000 χ²/NDF: 84496793302930950
Right: -49.723+/-0.000 χ²/NDF: 7012698394652007
In: -150.670+/-0.000 χ²/NDF:7420267410249576
Out: 141.304+/-0.000 χ²/NDF:7905009303322845
All: 0.654+/-0.000 χ²/NDF: 1547722043508

Phi_FG_mean vs Slug, Sign Corrected



Right In: 90.062+/-0.000 χ^2/NDF: 1774540544691269861684420259348 48.0/25

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: -90.054+/-0.000 χ^2/NDF: 1831380328180983039885580183797 76.0/30

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

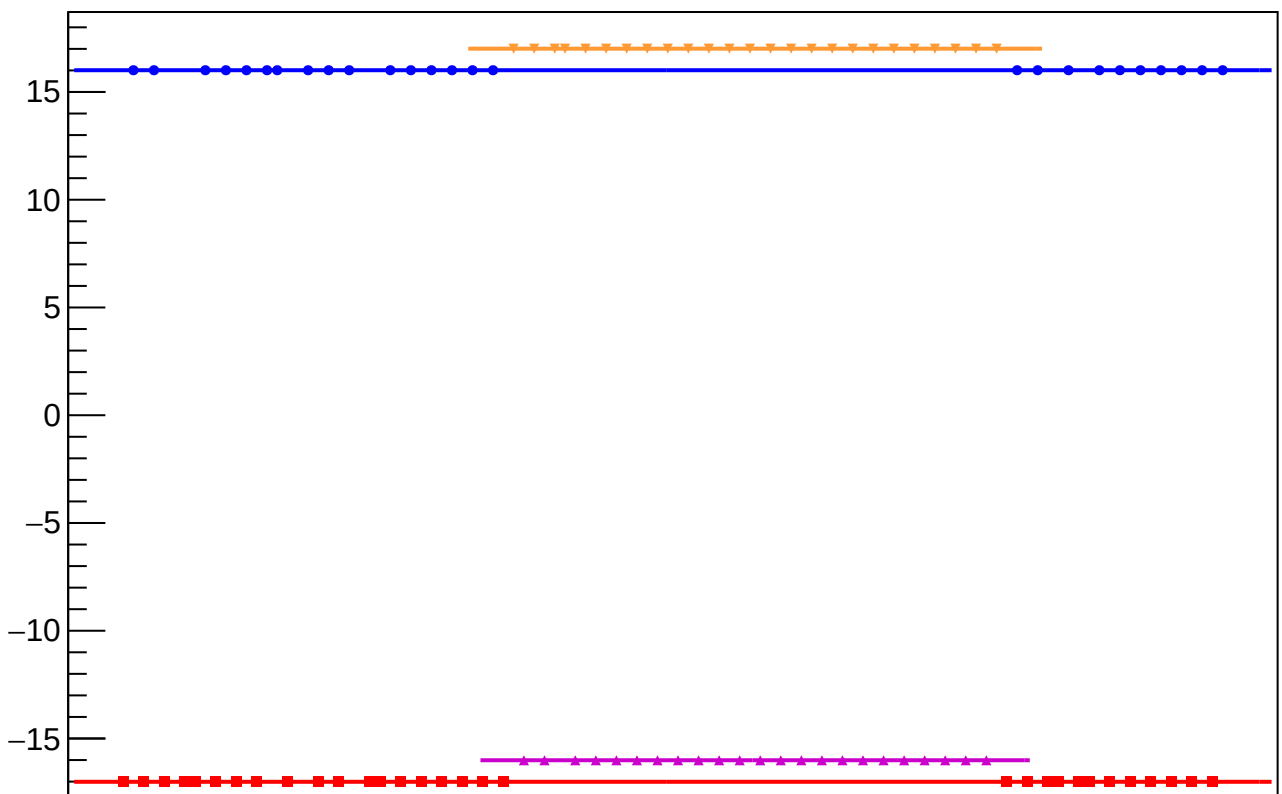
Right: -4.170+/-0.000 χ^2/NDF: 2601968237856974

In: -8.637+/-0.000 χ^2/NDF:269452077850206888

Out: 7.069+/-0.000 χ^2/NDF:290907261723182185

All: -0.497+/-0.000 χ^2/NDF: 5647557381617

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 1057120003768633691996 16.0/25

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525 76.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 196865441740906099994787 84.0/30

Left In: -16.009+/-0.000 χ^2/NDF:124687912167063523688448.0/22

Left: 0.967+/-0.000 χ^2/NDF: 9915881080068676 86

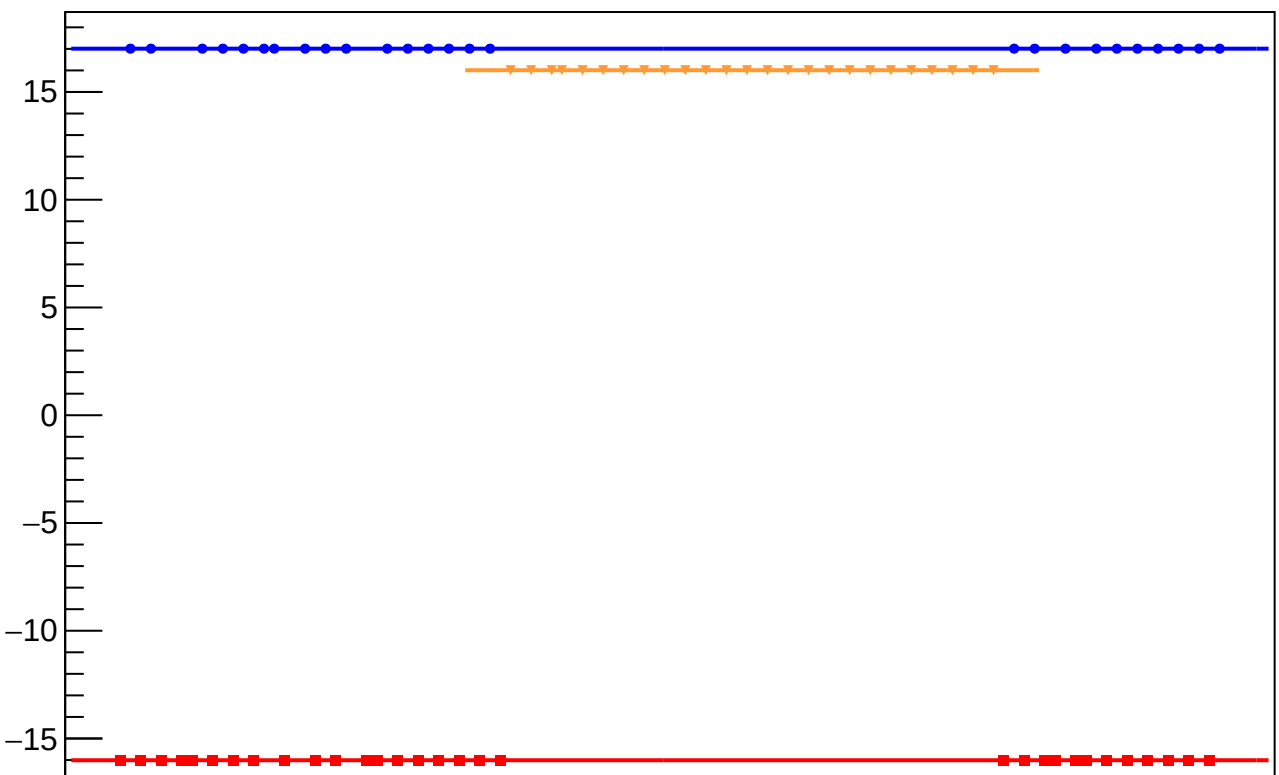
Right: -1.127+/-0.000 χ^2/NDF: 845343697788671 95

In: -1.349+/-0.000 χ^2/NDF:830366841360104650

Out: 1.269+/-0.000 χ^2/NDF:100236206263448361

All: 0.003+/-0.000 χ^2/NDF: 1844282438109 5

IGL1I00OD16_16_mean vs Slug, Sign Corrected



Right In: 17.009+/-0.000 χ^2/NDF: 10573380345444182261760 0.0/25

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

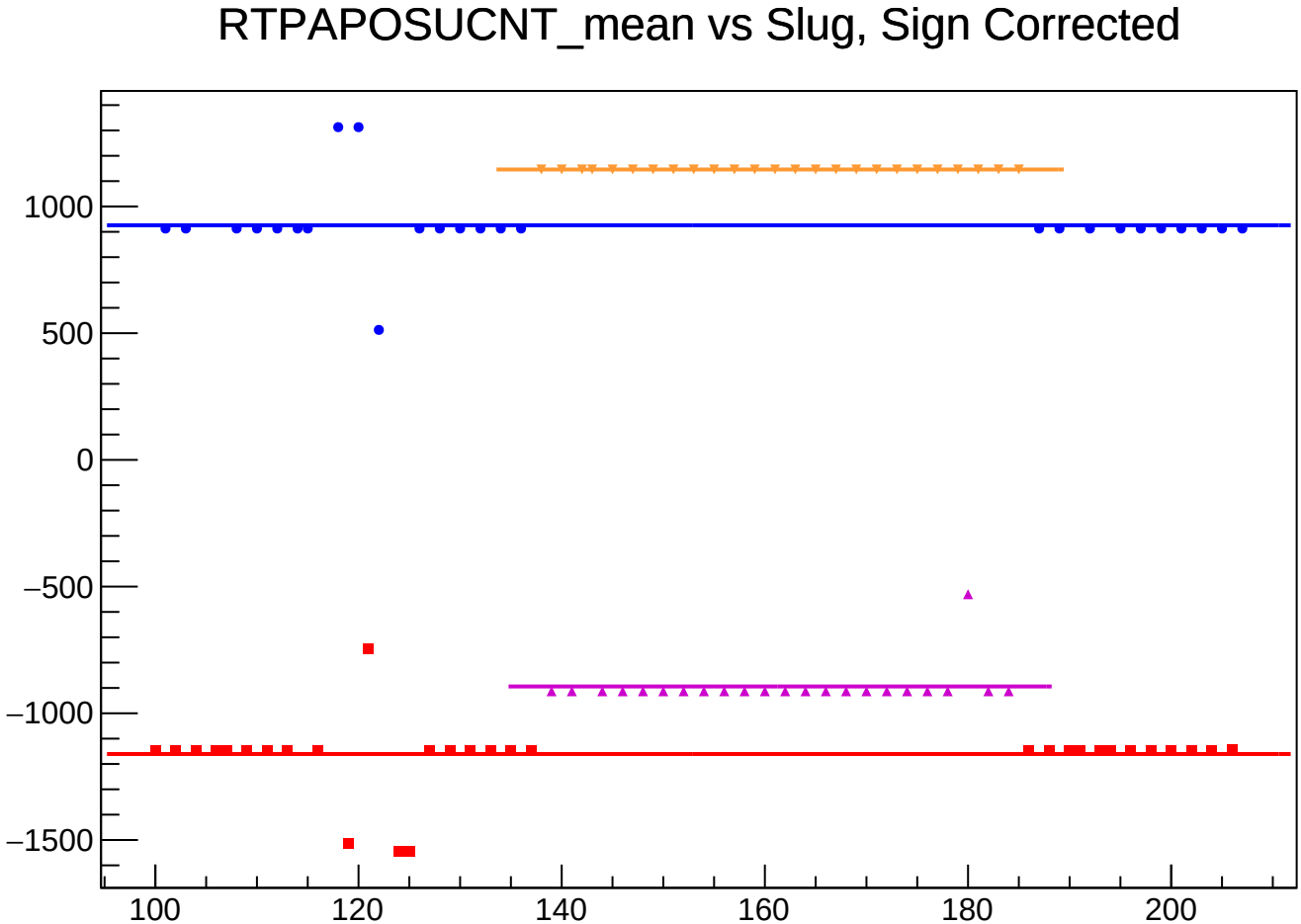
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.430+/-0.000 χ^2/NDF: 8631724604923189

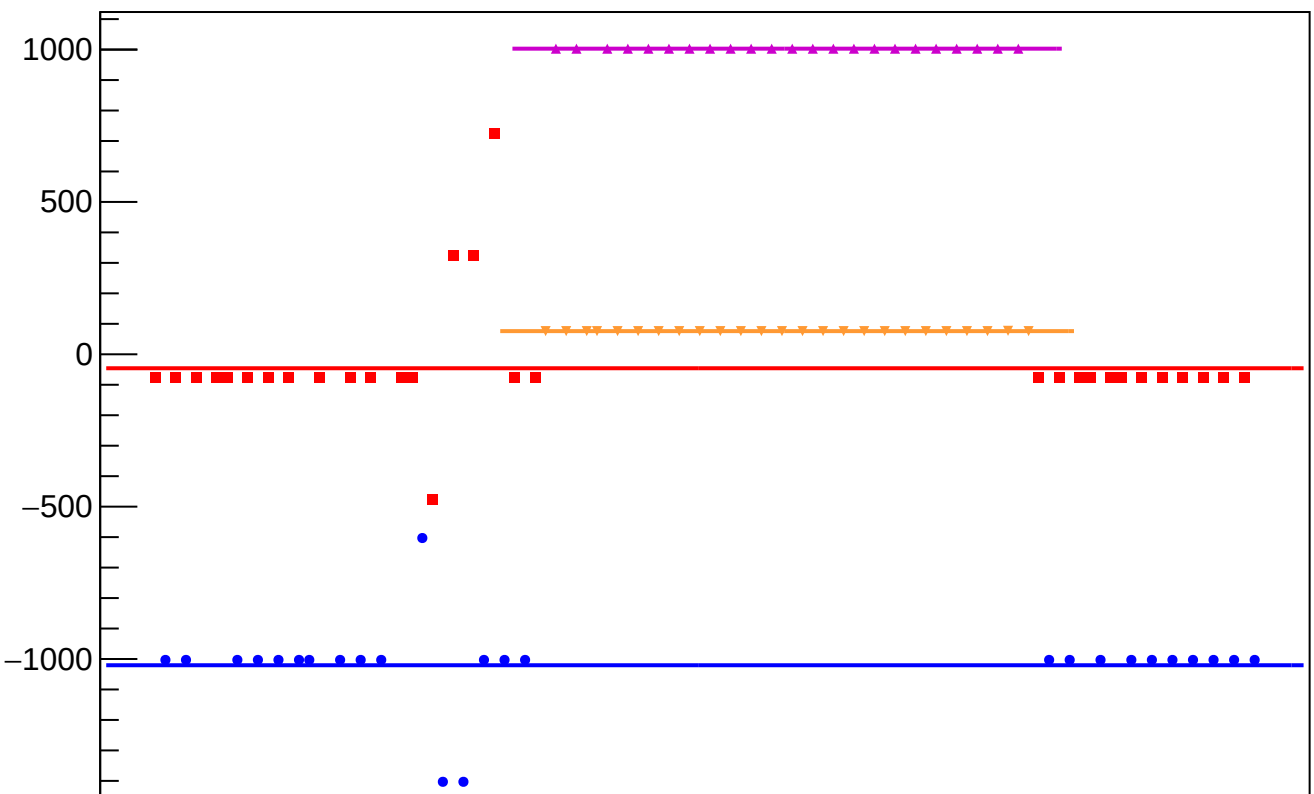
In: -1.828+/-0.000 χ^2/NDF:960596899233431923

Out: 1.370+/-0.000 χ^2/NDF:933735261948699241

All: -0.158+/-0.000 χ^2/NDF: 1912266204731


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 925.780+/-0.000 χ²/NDF: 213507878428040313433039540337151836 16.0/25
Left Out: 1146.020+/-0.000 χ²/NDF:37030712979418714599064306974 72.0/24
Right Out: -1160.638+/-0.000 χ²/NDF: 225867653643825284512585555862785884 16.0/30
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137 60.0/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -165.777+/-0.000 χ²/NDF: 35352610145716
In: -82.857+/-0.000 χ²/NDF:28484438506207925
Out: 97.426+/-0.000 χ²/NDF:49036223745801057
All: 10.580+/-0.000 χ²/NDF: 780999660092

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1020.471+/-0.000 χ^2/NDF: 233711417752654793983310686073965772 80.0/25

Right: -510.554+/-0.000 χ^2/NDF: 83317322132481

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 100.993+/-0.000 χ^2/NDF:3502116477447631

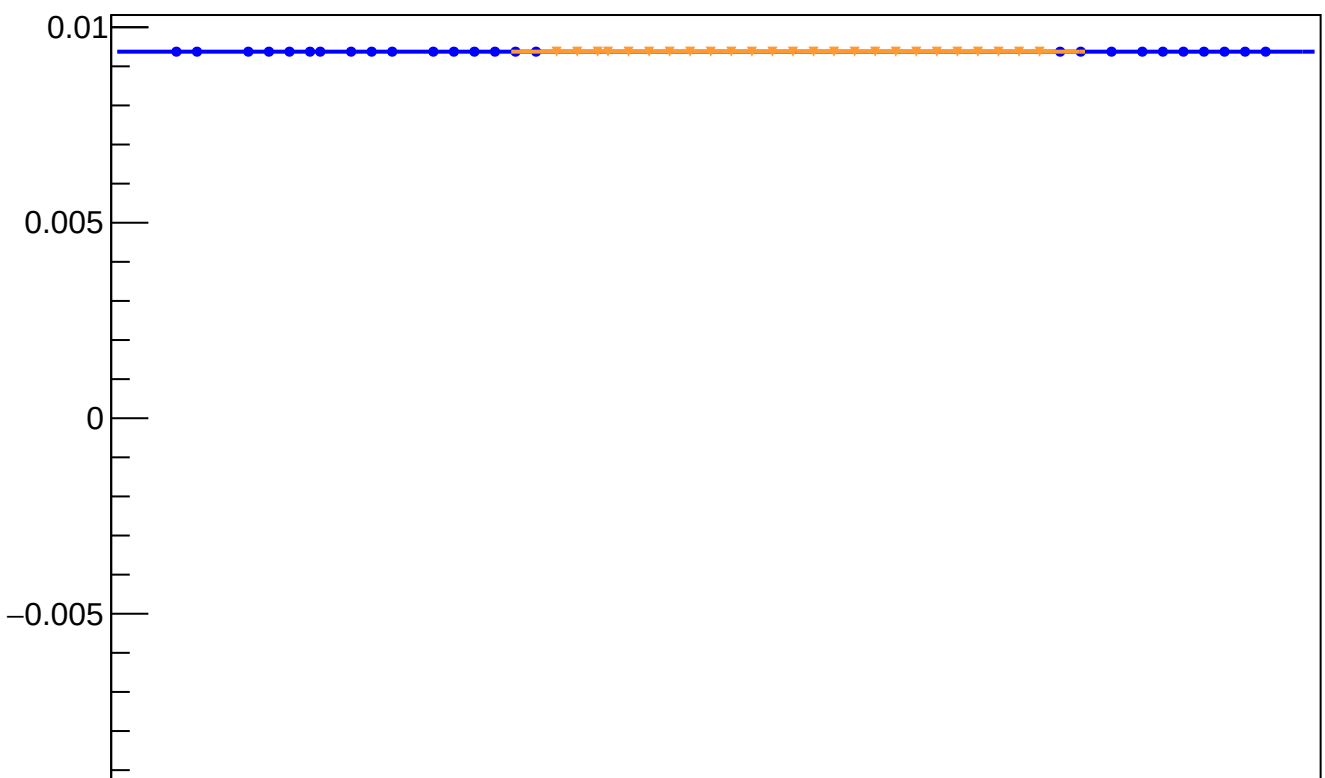
Right Out: -45.808+/-0.000 χ^2/NDF: 4790550747973685751407124124067168256 0.0/30

Out: 20.655+/-0.000 χ^2/NDF:6152869300969633

Left In: 1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

All: 59.356+/-0.000 χ^2/NDF: 357514891627

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/25

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

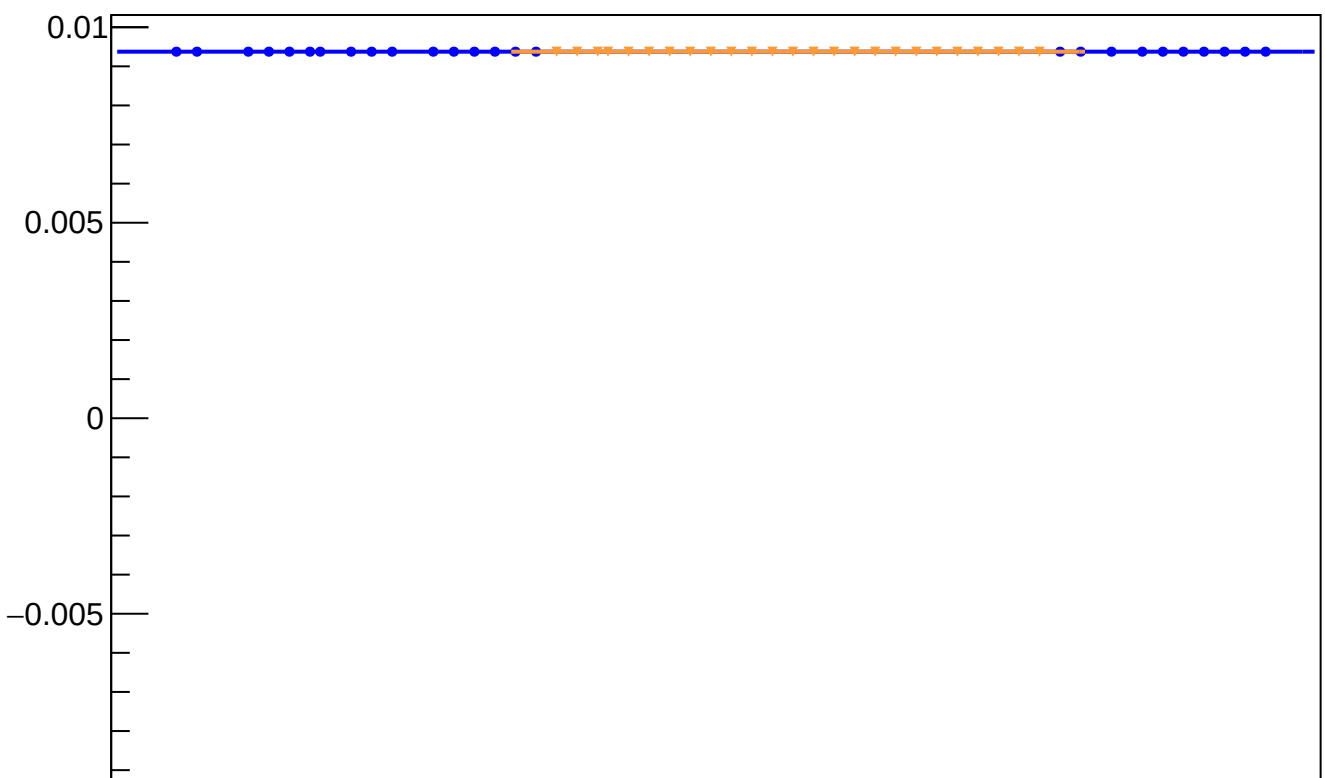
Right: -0.000+/-0.000 χ^2/NDF: 28196143565318760

In: -0.001+/-0.000 χ^2/NDF:29870013539546297

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6274343176565

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/25

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: -0.000+/-0.000 χ^2/NDF: 28196143565318760

In: -0.001+/-0.000 χ^2/NDF:298700135395462978

Out: 0.001+/-0.000 χ^2/NDF:322513555743242433

All: -0.000+/-0.000 χ^2/NDF: 6274343176565