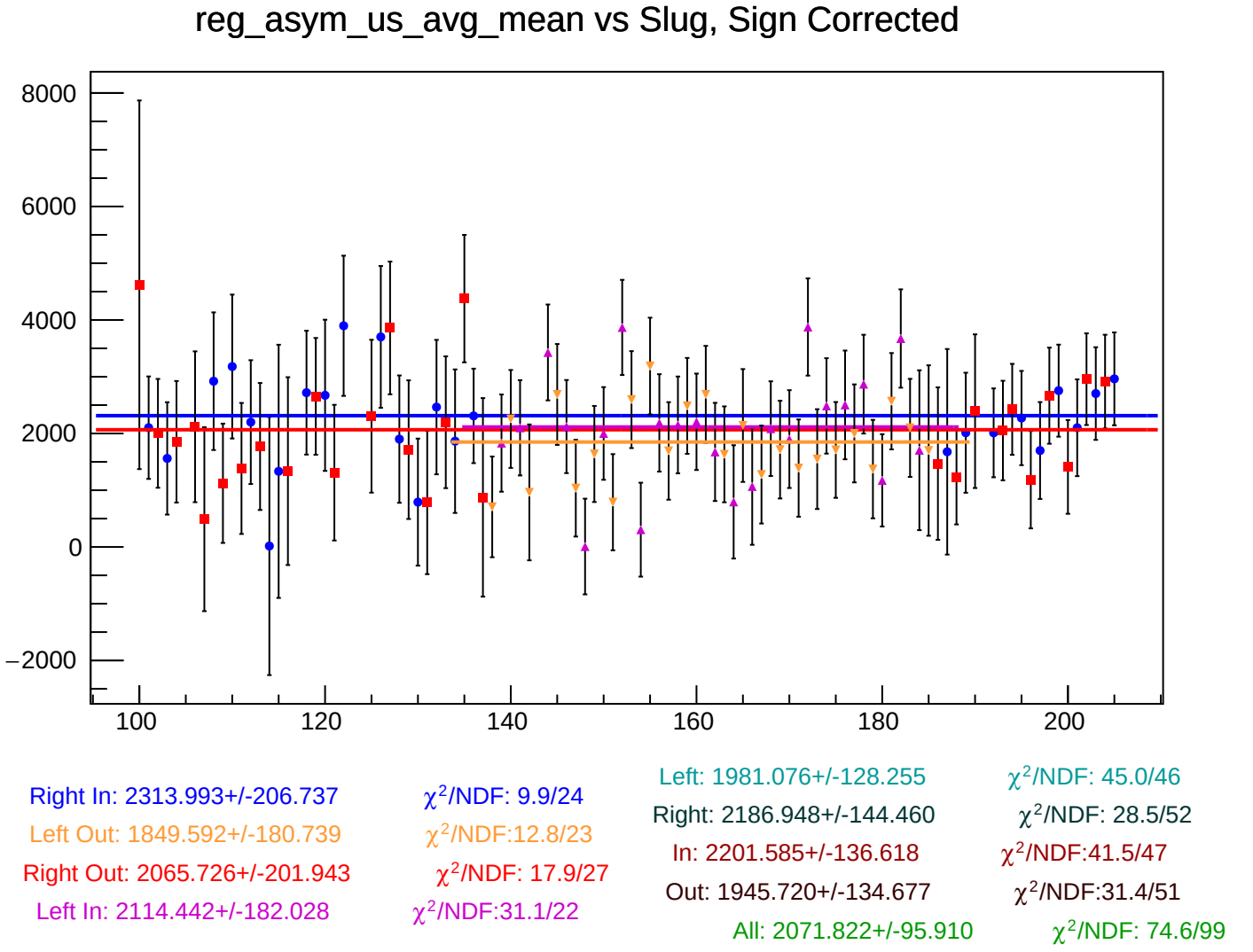
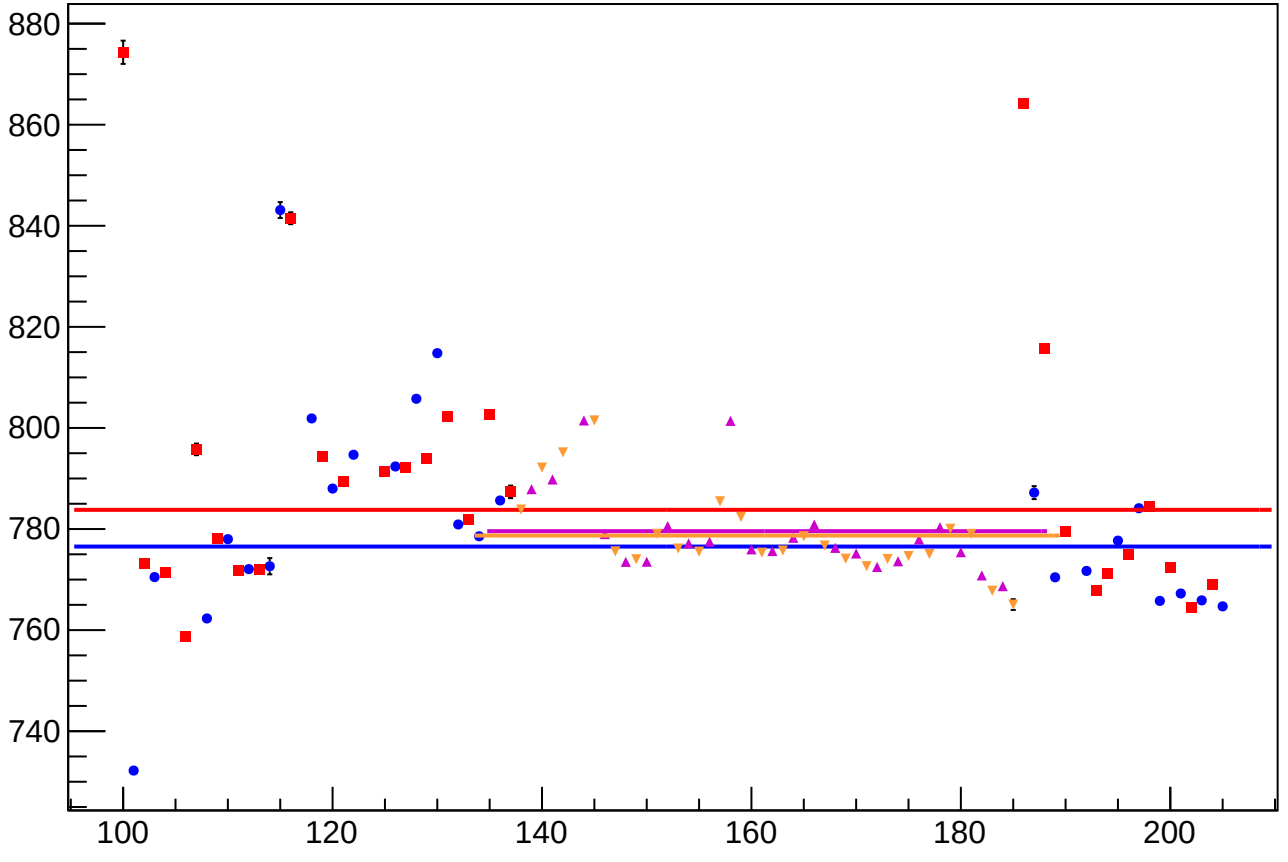

reg_asym_us_avg_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 2313.993+/-206.737
χ²/NDF: 9.9/24
Left Out: 1849.592+/-180.739
χ²/NDF:12.8/23
Right Out: 2065.726+/-201.943
χ²/NDF: 17.9/27
Left In: 2114.442+/-182.028
χ²/NDF:31.1/22
Left: 1981.076+/-128.255
χ²/NDF: 45.0/46
Right: 2186.948+/-144.460
χ²/NDF: 28.5/52
In: 2201.585+/-136.618
χ²/NDF:41.5/47
Out: 1945.720+/-134.677
χ²/NDF:31.4/51
All: 2071.822+/-95.910
χ²/NDF: 74.6/99

reg_asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

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

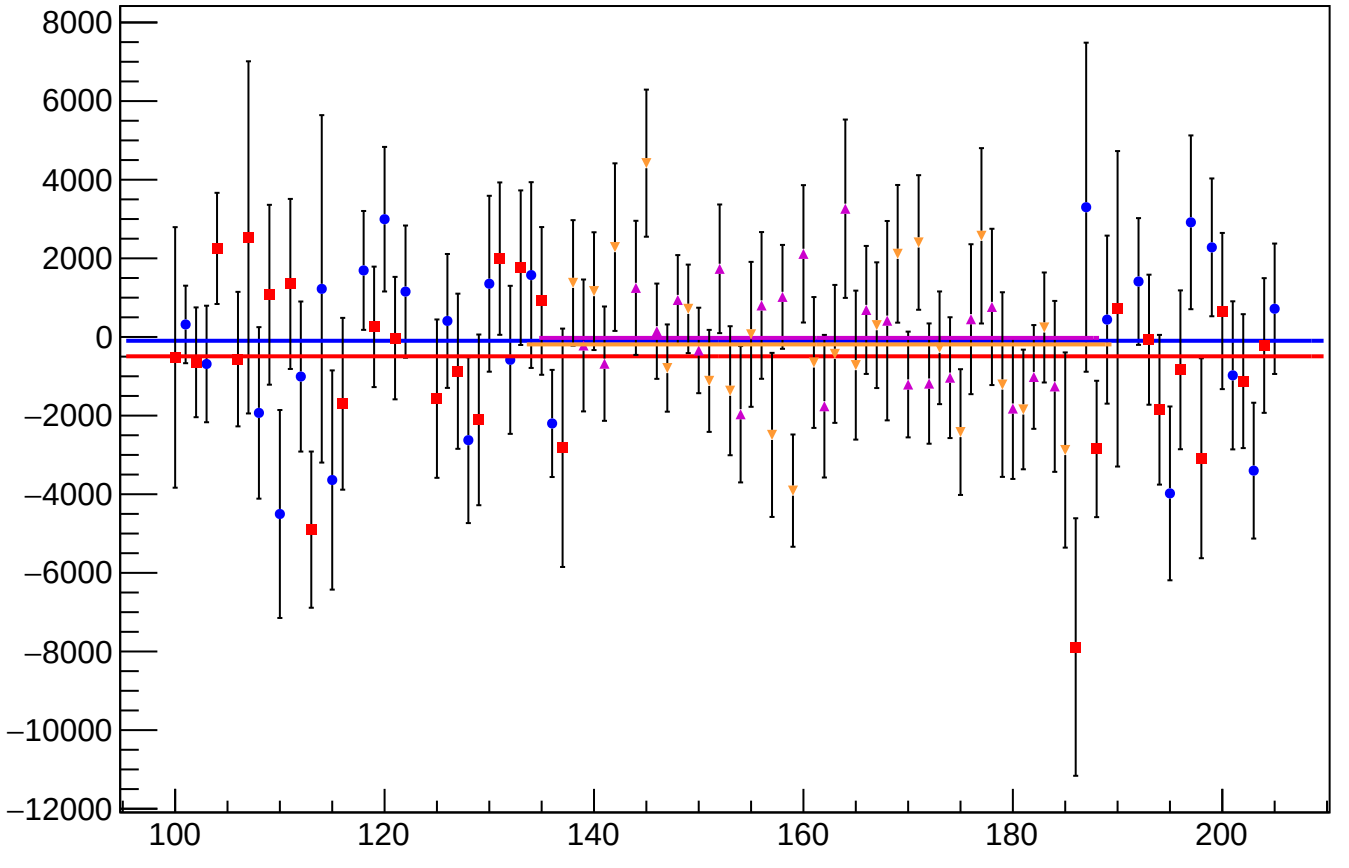
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 780.251+/-0.102 χ^2/NDF: 36978.7/52

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

Out: 780.972+/-0.095 χ^2/NDF:25149.0/51

All: 779.629+/-0.068 χ^2/NDF: 44630.5/99



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

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

Right Out: -491.674+/-370.063 χ^2/NDF: 25.2/27

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

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

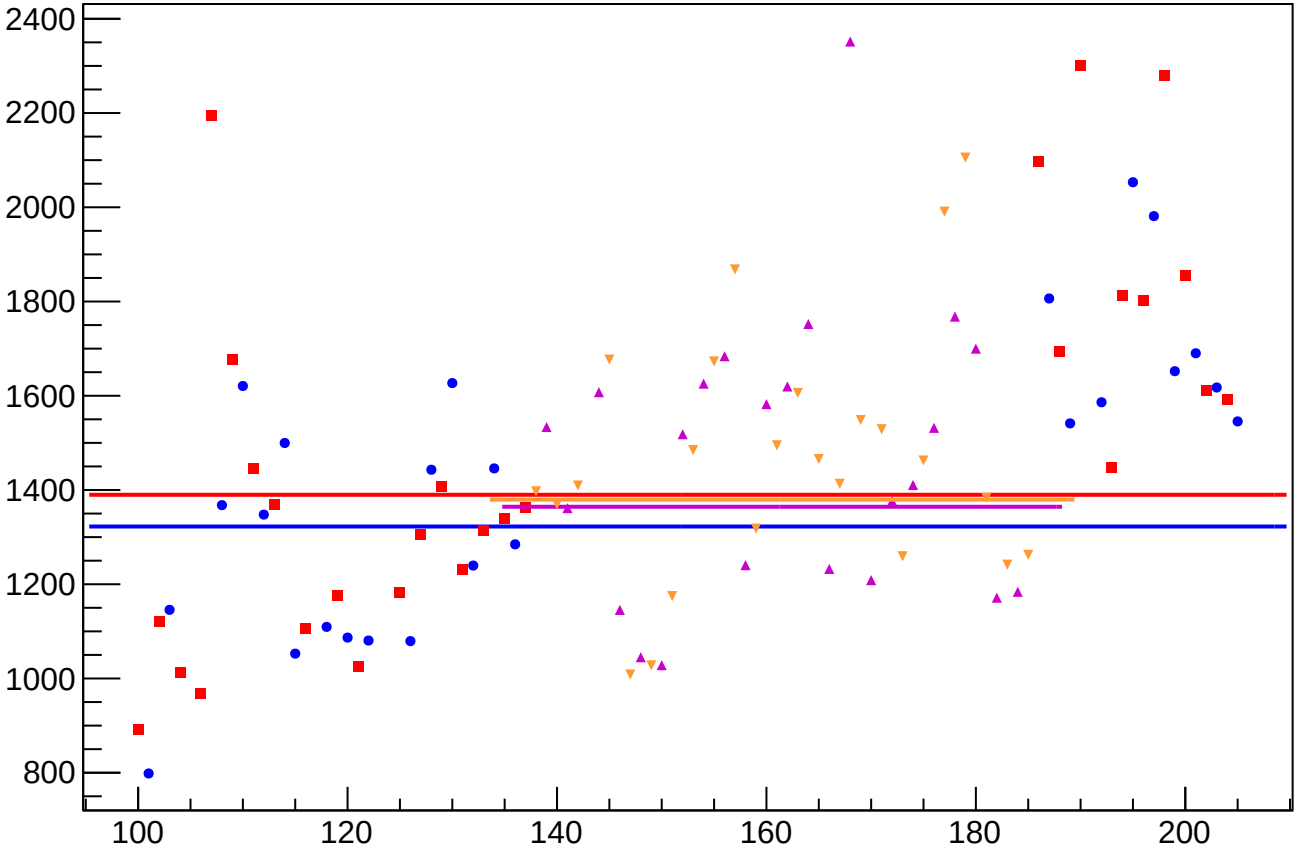
Right: -291.205+/-259.713 χ^2/NDF: 53.6/52

In: -56.112+/-242.936 χ^2/NDF:41.4/47

Out: -322.020+/-245.325 χ^2/NDF:55.1/51

All: -187.766+/-172.620 χ^2/NDF: 97.1/99

asym_us_avg_reg_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1389.850+/-0.262 χ^2/NDF: 1565208.4/27

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

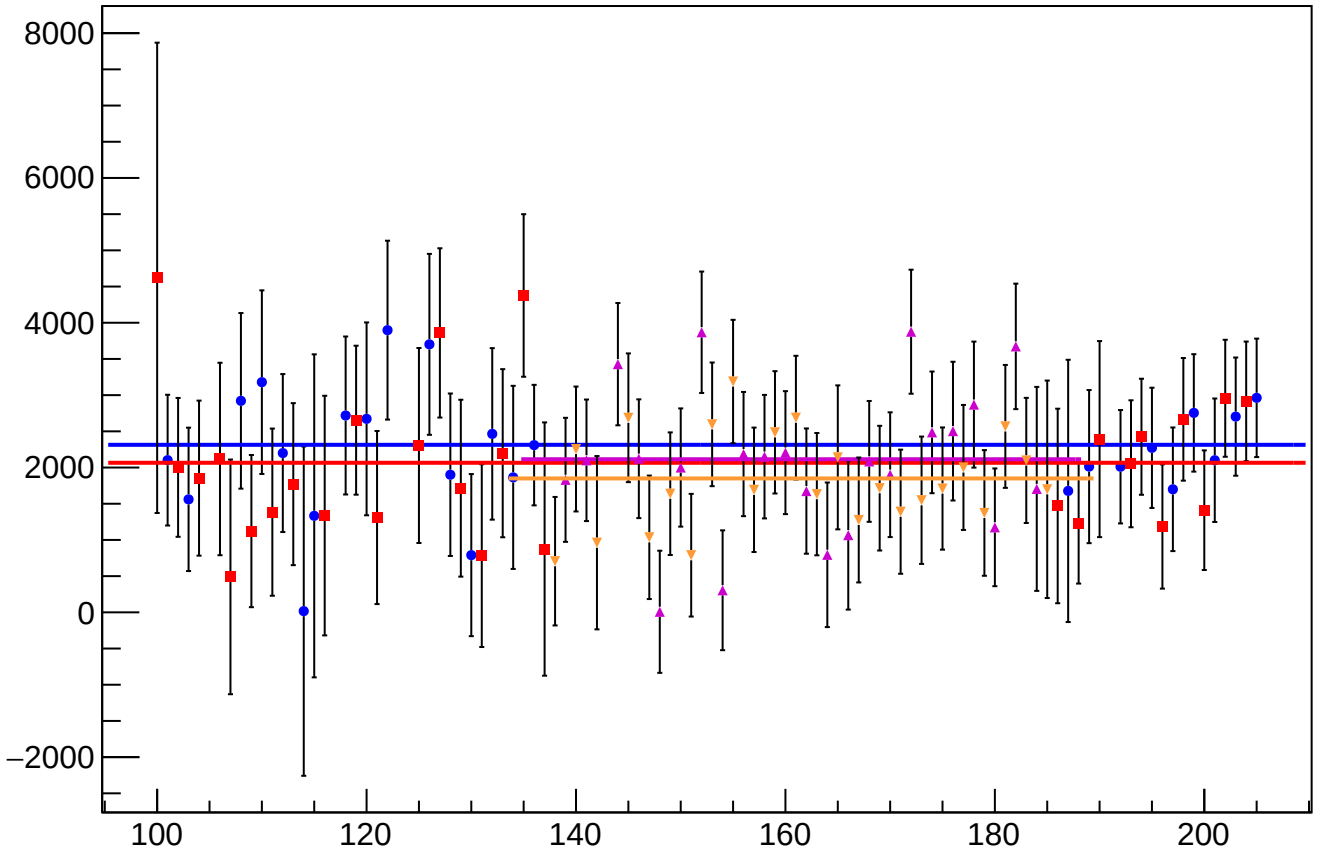
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1355.686+/-0.184 χ^2/NDF: 3188960.0/52

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

Out: 1384.069+/-0.173 χ^2/NDF:2724547.7/51

All: 1364.754+/-0.122 χ^2/NDF: 5666238.7/99



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

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

Right Out: 2065.726+/-201.943 χ^2/NDF: 17.9/27

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

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

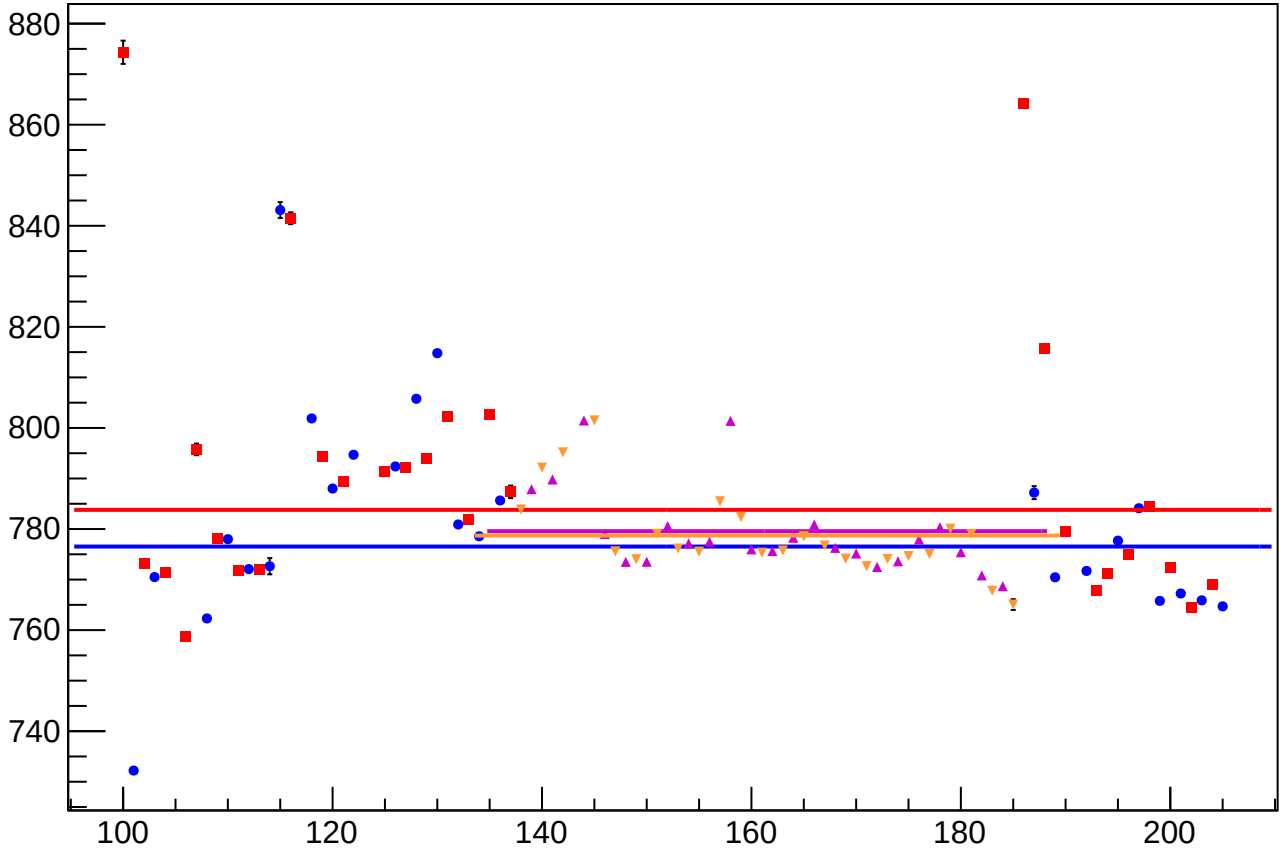
Right: 2186.948+/-144.460 χ^2/NDF: 28.5/52

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

Out: 1945.720+/-134.677 χ^2/NDF:31.4/51

All: 2071.822+/-95.910 χ^2/NDF: 74.6/99

cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

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

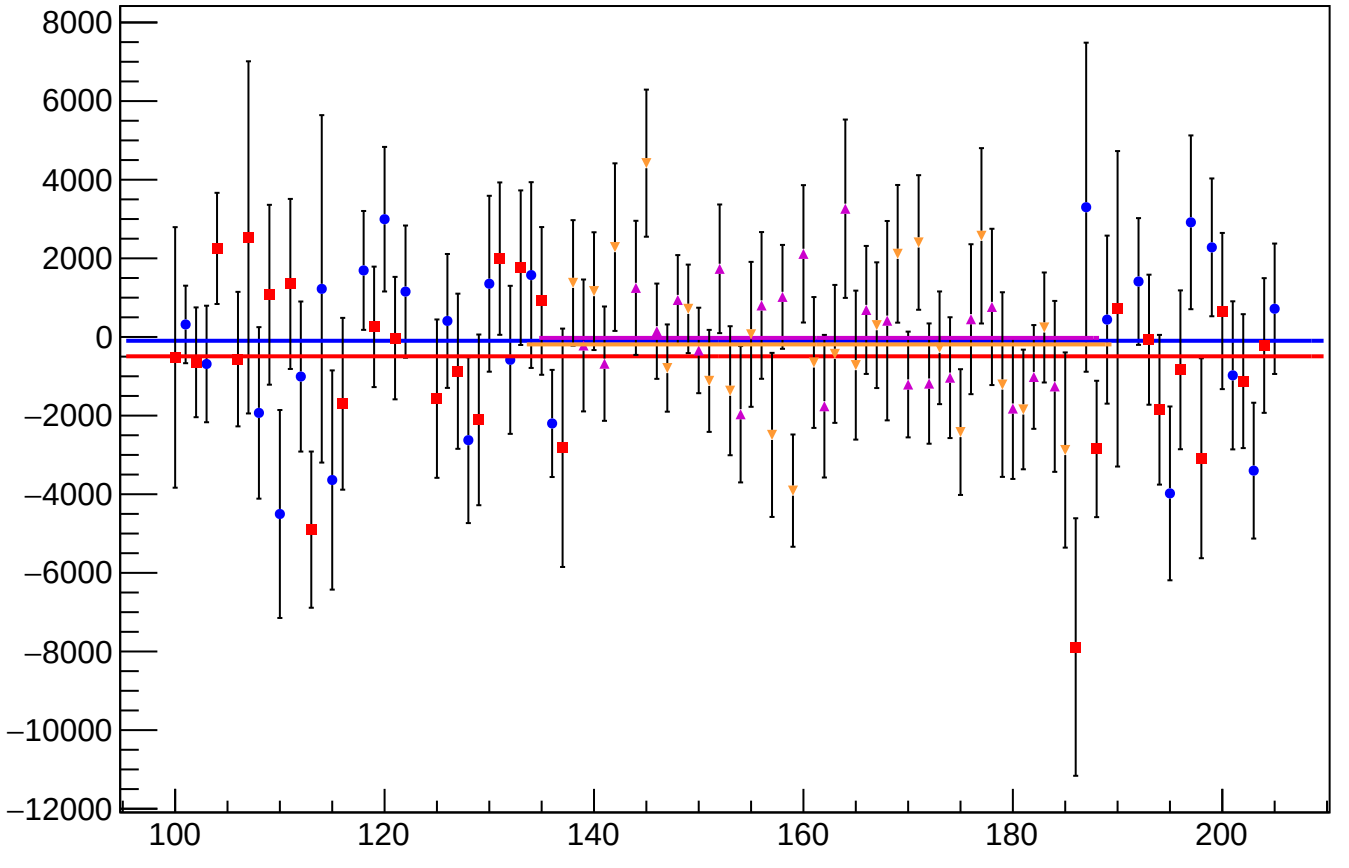
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

Right: 780.251+/-0.102 χ^2/NDF: 36978.7/52

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

Out: 780.972+/-0.095 χ^2/NDF:25149.0/51

All: 779.629+/-0.068 χ^2/NDF: 44630.5/99



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

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

Right Out: -491.674+/-370.063 χ^2/NDF: 25.2/27

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

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

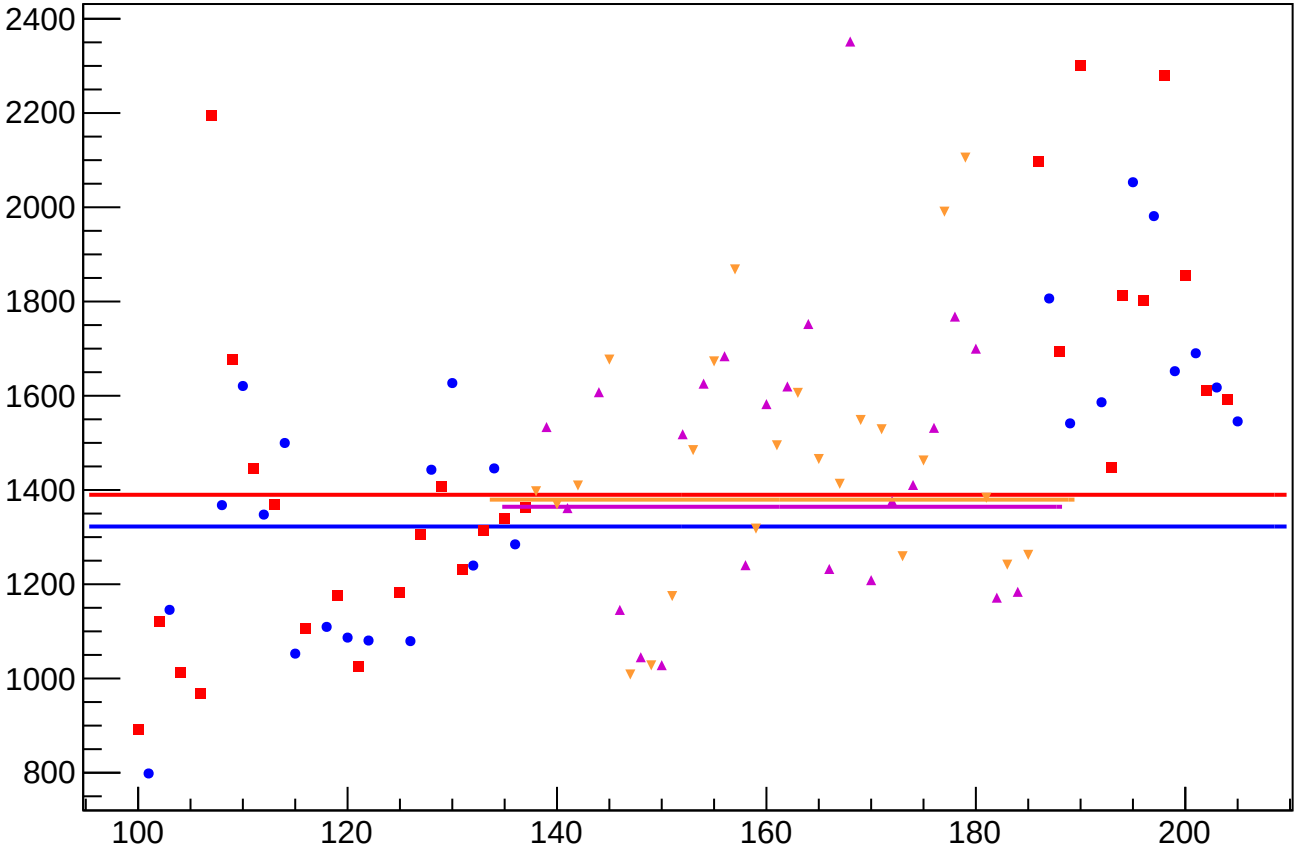
Right: -291.205+/-259.713 χ^2/NDF: 53.6/52

In: -56.112+/-242.936 χ^2/NDF:41.4/47

Out: -322.020+/-245.325 χ^2/NDF:55.1/51

All: -187.766+/-172.620 χ^2/NDF: 97.1/99

asym_us_avg_cor_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1389.850+/-0.262 χ^2/NDF: 1565208.4/27

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

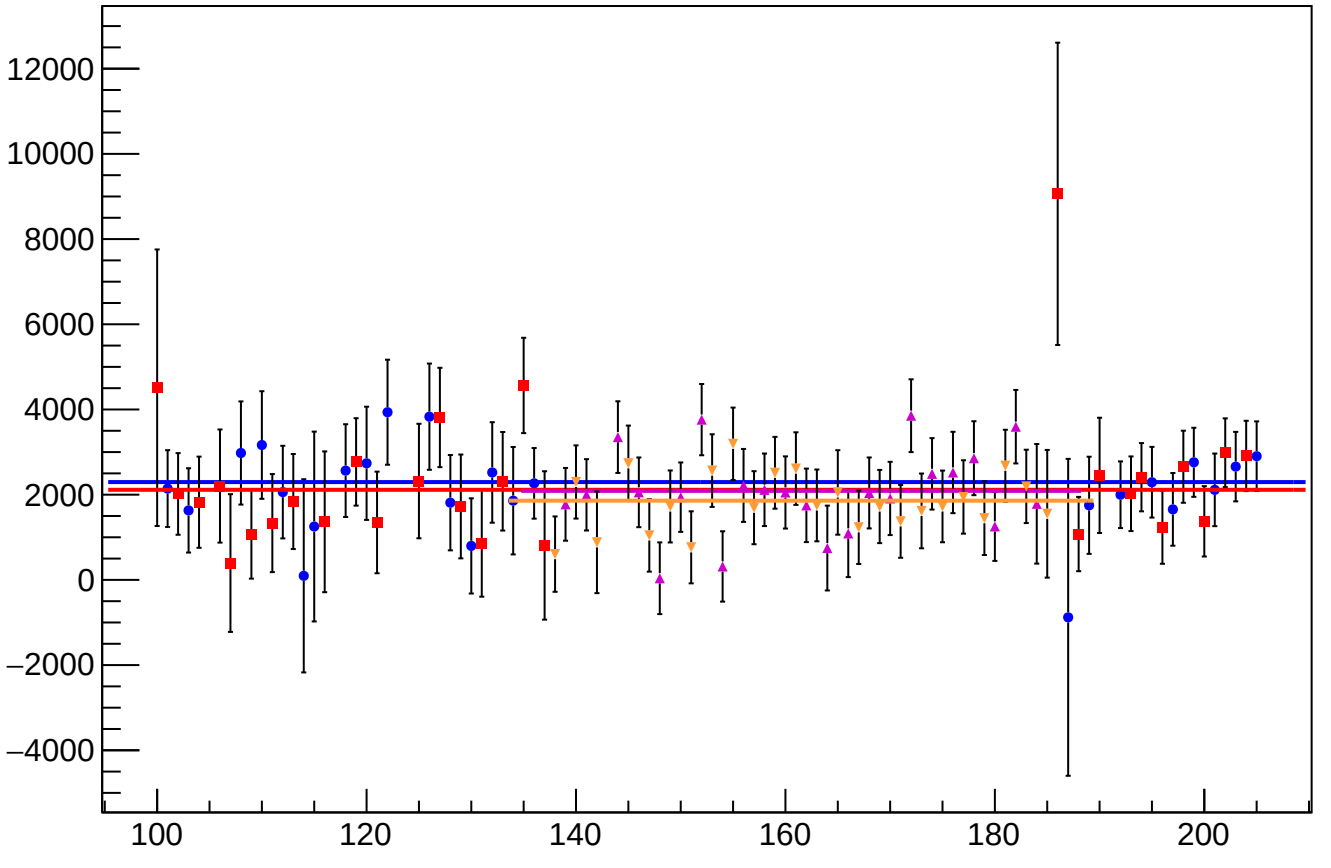
Left: 1371.931+/-0.163 χ^2/NDF: 2472910.6/46

Right: 1355.686+/-0.184 χ^2/NDF: 3188960.0/52

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

Out: 1384.069+/-0.173 χ^2/NDF:2724547.7/51

All: 1364.754+/-0.122 χ^2/NDF: 5666238.7/99



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

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

Right Out: 2114.607+/-204.198 χ^2/NDF: 22.7/27

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

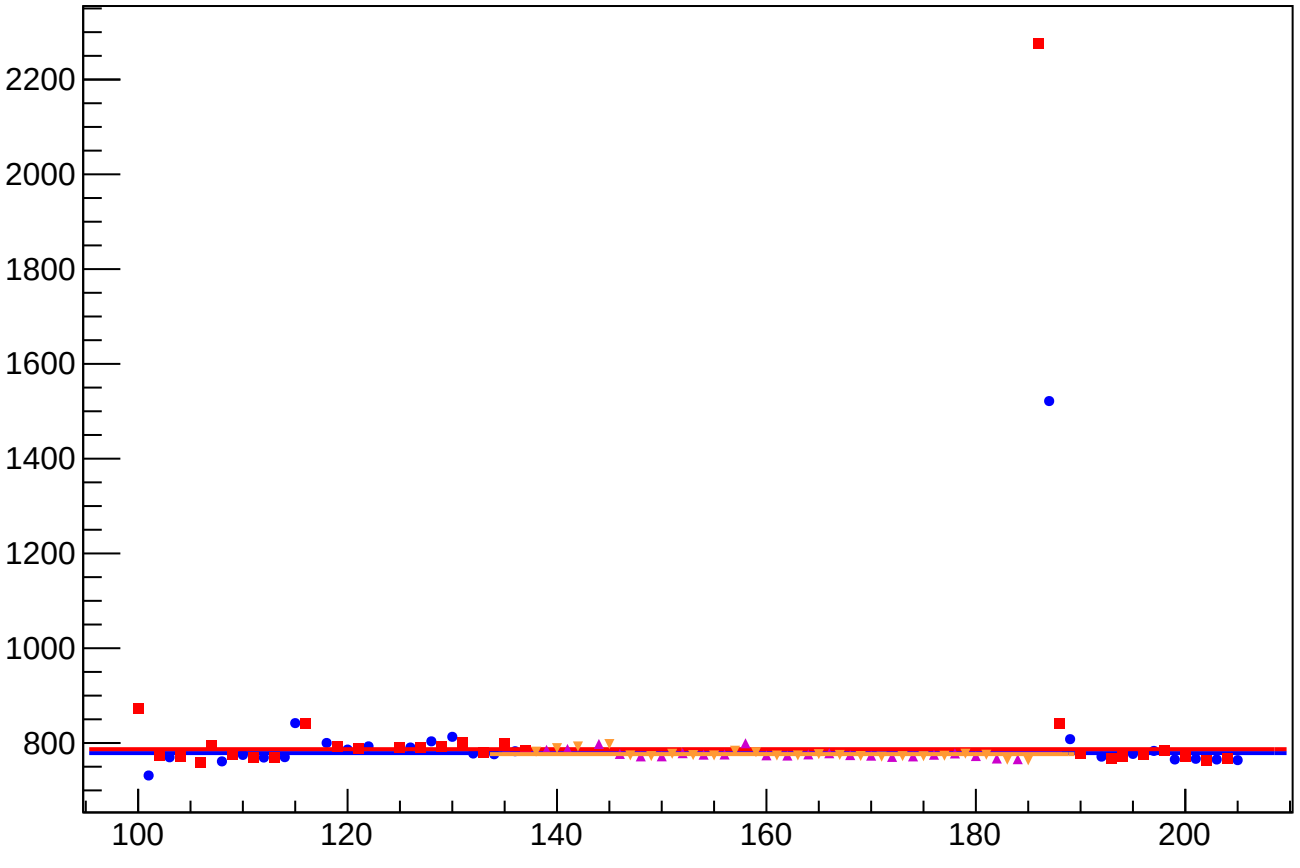
Left: 1973.689+/-127.897 χ^2/NDF: 43.9/46

Right: 2203.534+/-145.711 χ^2/NDF: 34.0/52

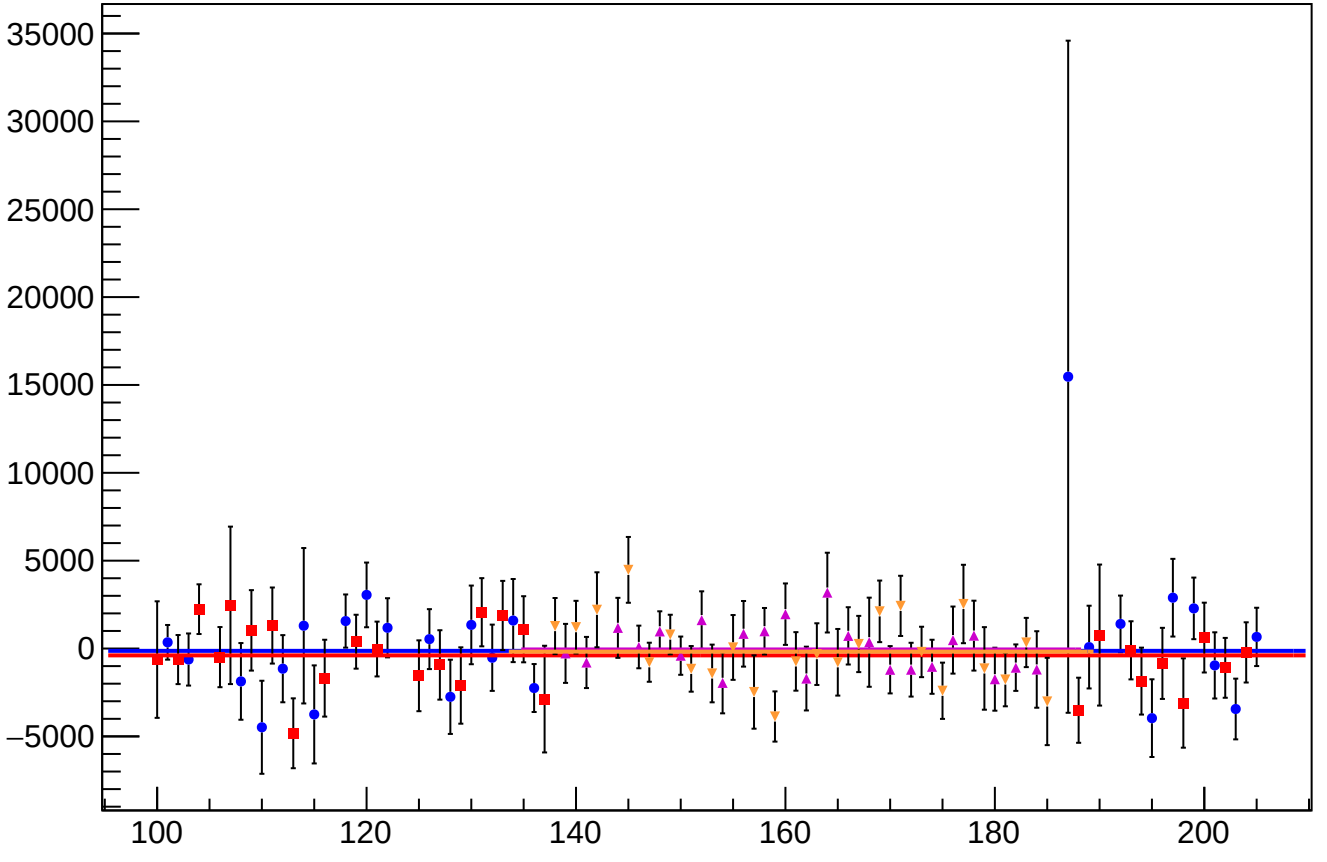
In: 2178.690+/-136.761 χ^2/NDF:41.0/47

Out: 1971.226+/-135.125 χ^2/NDF:37.1/51

All: 2073.710+/-96.121 χ^2/NDF: 79.3/99


overload_cor_asym_us_avg_rms vs Slug, Sign Corrected
2200
2000
1800
1600
1400
1200
1000
800
100
120
140
160
180
200
Right In: 778.715+/-0.147 χ²/NDF: 95587.4/24
Left Out: 776.523+/-0.127 χ²/NDF:3137.1/23
Right Out: 786.973+/-0.144 χ²/NDF: 372869.6/27
Left In: 777.413+/-0.128 χ²/NDF:4062.1/22
Left: 776.965+/-0.090 χ²/NDF: 7223.5/46
Right: 782.920+/-0.103 χ²/NDF: 470062.3/52
In: 777.976+/-0.097 χ²/NDF:99694.1/47
Out: 781.099+/-0.096 χ²/NDF:378951.1/51
All: 779.556+/-0.068 χ²/NDF: 479173.0/99

asym_us_avg_overload_cor_correction_mean vs Slug, Sign Corrected



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

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

Right Out: -389.198+/-373.769 χ^2/NDF: 21.0/26

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

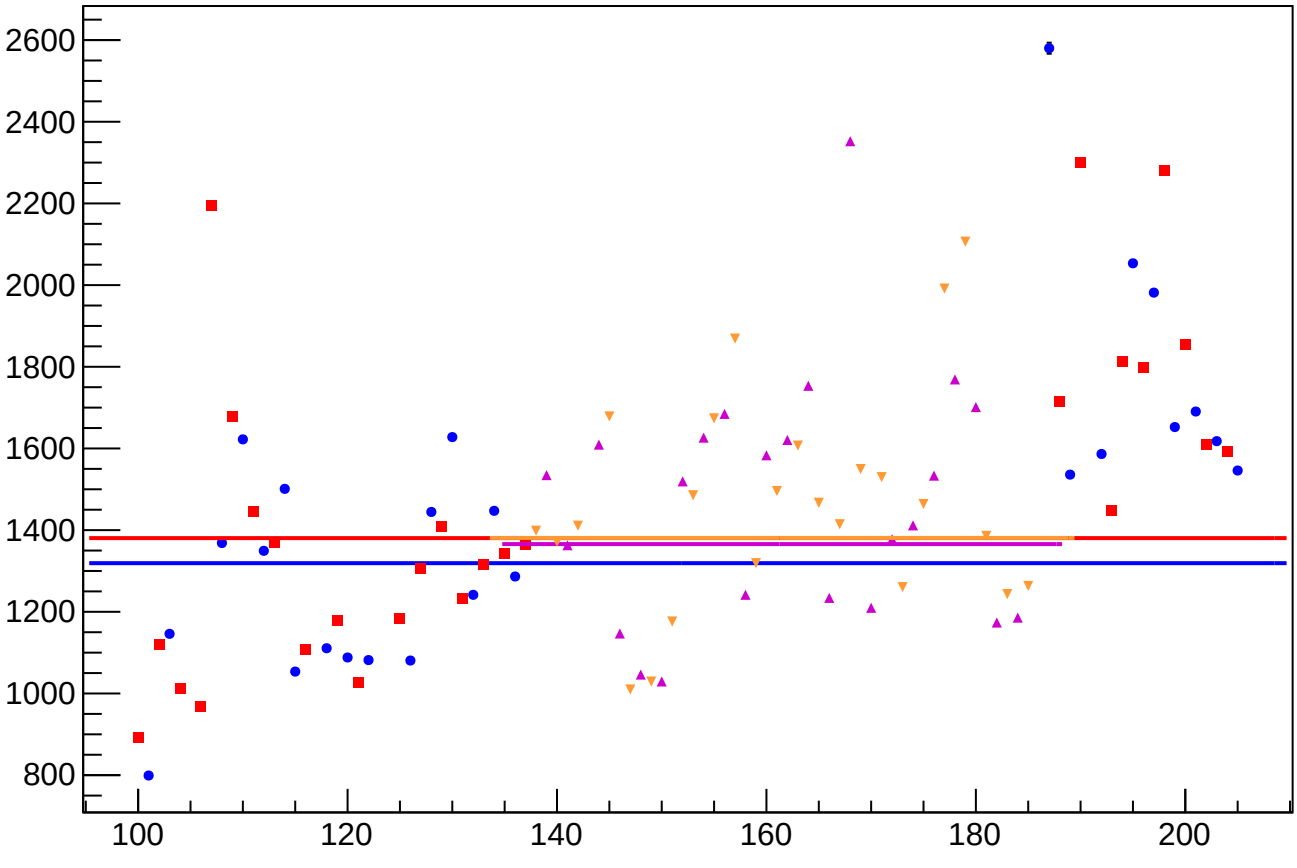
Left: -113.528+/-231.262 χ^2/NDF: 42.7/46

Right: -258.259+/-261.914 χ^2/NDF: 49.4/51

In: -87.714+/-243.817 χ^2/NDF:41.1/47

Out: -268.147+/-246.530 χ^2/NDF:50.8/50

All: -176.933+/-173.356 χ^2/NDF: 92.2/98



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

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

Right Out: 1380.468+/-0.264 χ^2/NDF: 1464323.2/26

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

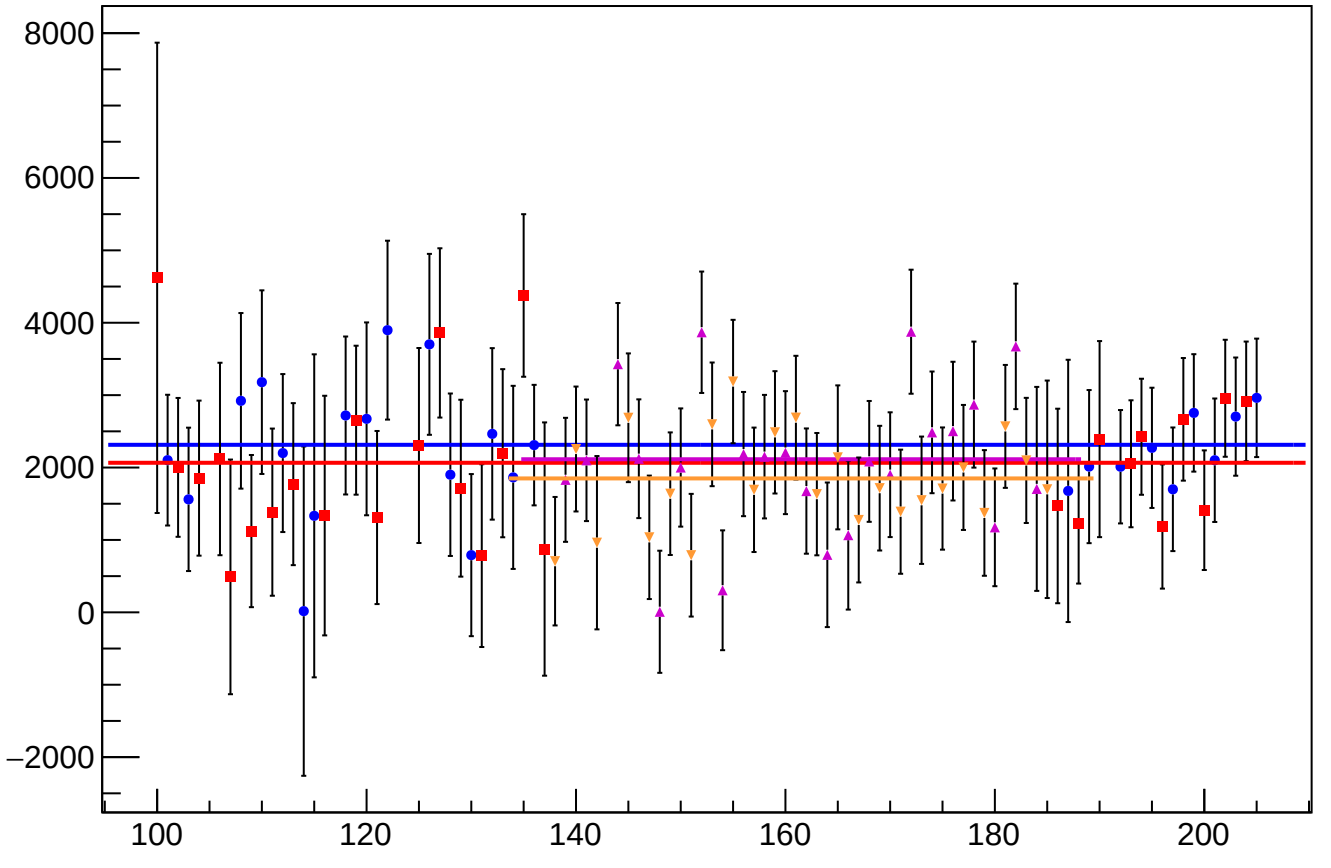
Left: 1373.338+/-0.164 χ^2/NDF: 2466443.3/46

Right: 1349.233+/-0.185 χ^2/NDF: 3055247.9/51

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

Out: 1380.741+/-0.174 χ^2/NDF:2619762.7/50

All: 1362.778+/-0.123 χ^2/NDF: 5531210.5/98



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

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

Right Out: 2065.726+/-201.943 χ^2/NDF: 17.9/27

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

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

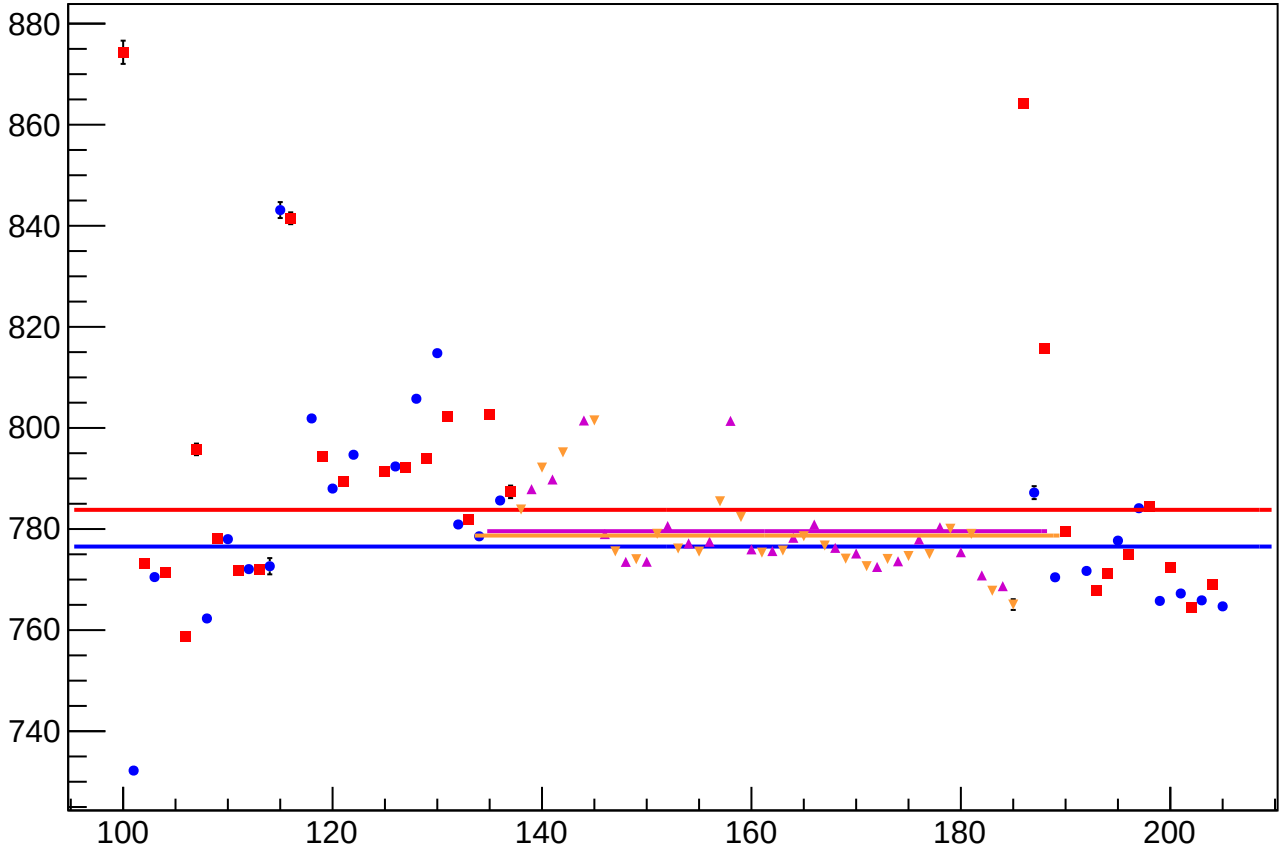
Right: 2186.948+/-144.460 χ^2/NDF: 28.5/52

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

Out: 1945.720+/-134.677 χ^2/NDF:31.4/51

All: 2071.822+/-95.910 χ^2/NDF: 74.6/99

eigen_cor_asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 783.797+/-0.143 χ^2/NDF: 21053.9/27

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

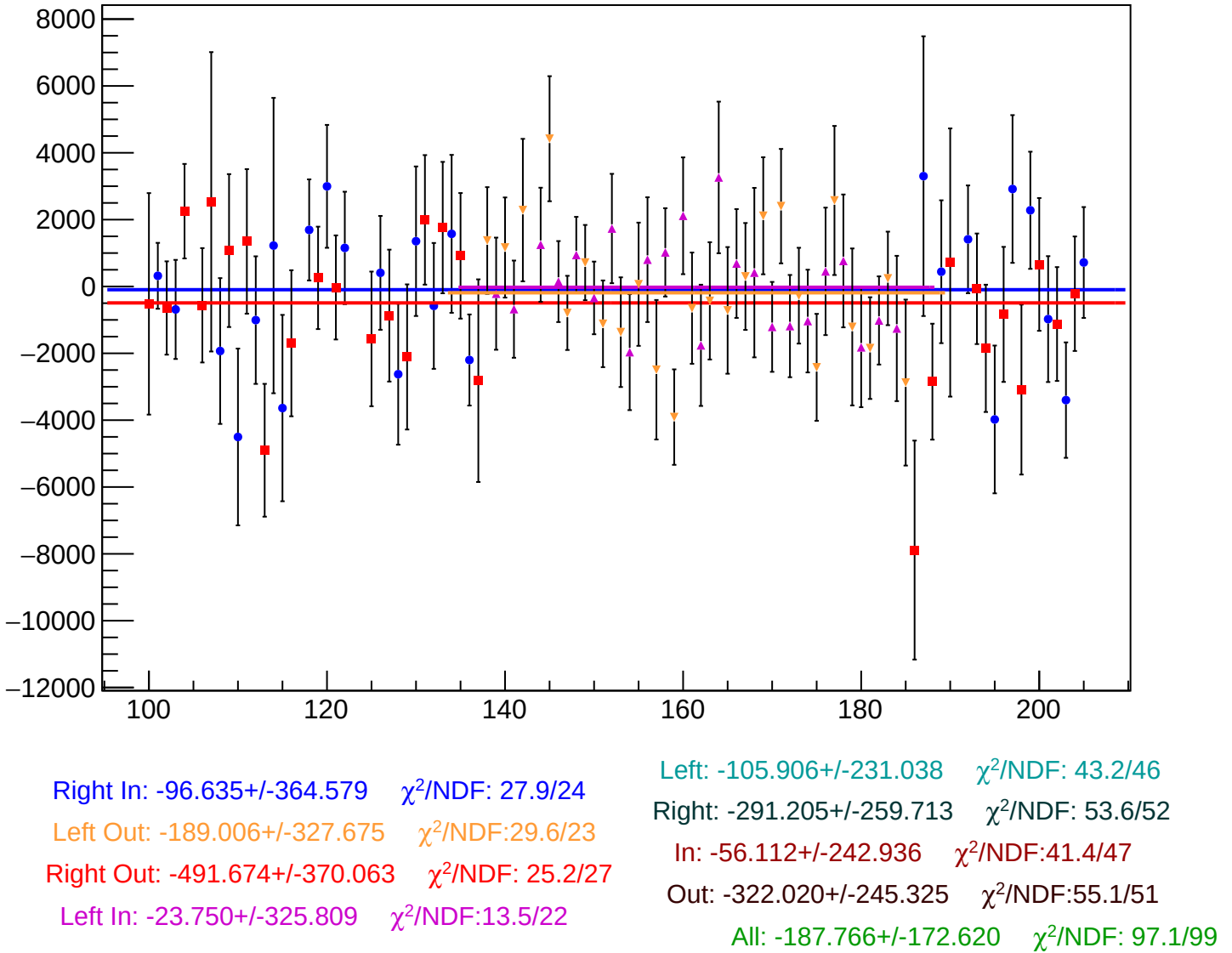
Left: 779.138+/-0.091 χ^2/NDF: 7585.5/46

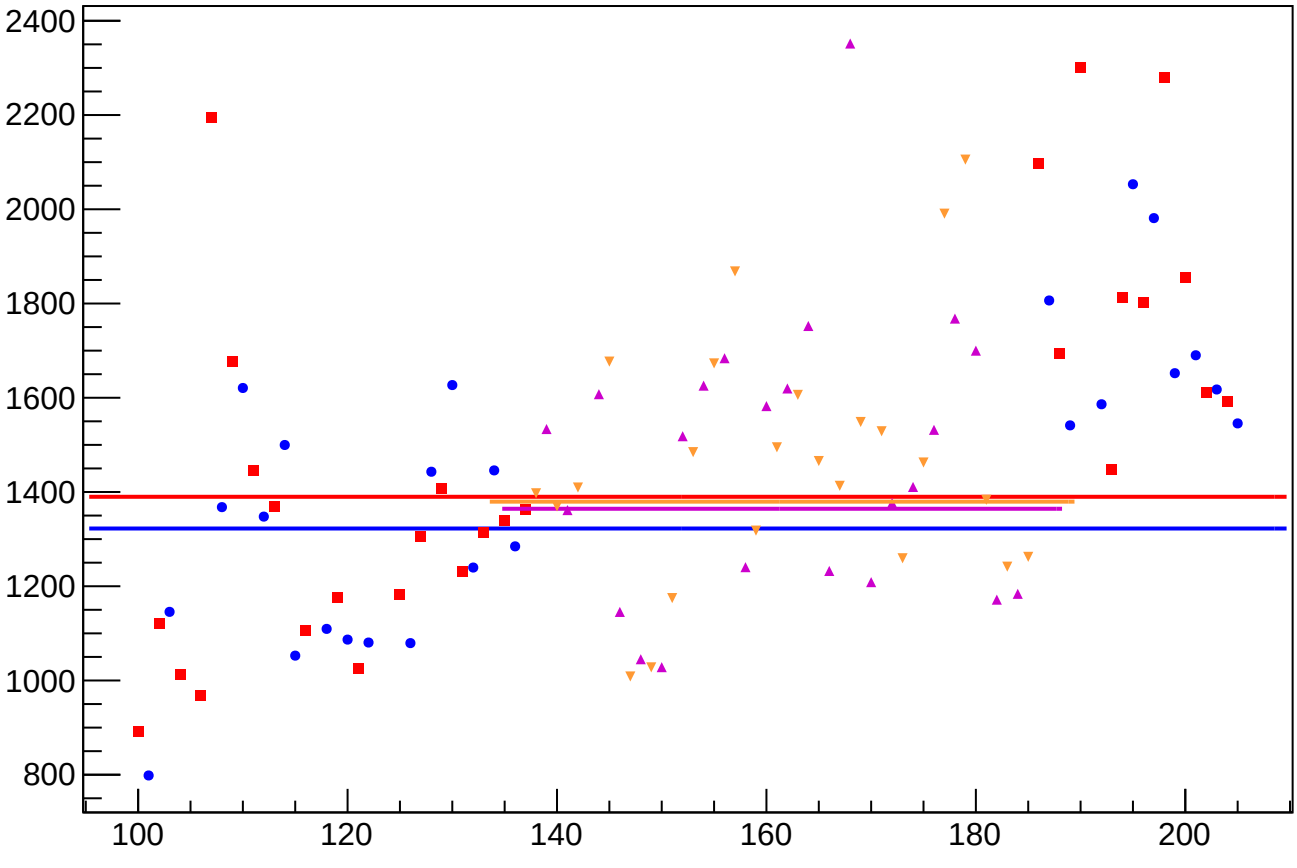
Right: 780.251+/-0.102 χ^2/NDF: 36978.7/52

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

Out: 780.972+/-0.095 χ^2/NDF:25149.0/51

All: 779.629+/-0.068 χ^2/NDF: 44630.5/99


asym_us_avg_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: -96.635+/-364.579 χ²/NDF: 27.9/24
Left Out: -189.006+/-327.675 χ²/NDF:29.6/23
Right Out: -491.674+/-370.063 χ²/NDF: 25.2/27
Left In: -23.750+/-325.809 χ²/NDF:13.5/22
Left: -105.906+/-231.038 χ²/NDF: 43.2/46
Right: -291.205+/-259.713 χ²/NDF: 53.6/52
In: -56.112+/-242.936 χ²/NDF:41.4/47
Out: -322.020+/-245.325 χ²/NDF:55.1/51
All: -187.766+/-172.620 χ²/NDF: 97.1/99



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

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

Right Out: 1389.850+/-0.262 χ^2/NDF: 1565208.4/27

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

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

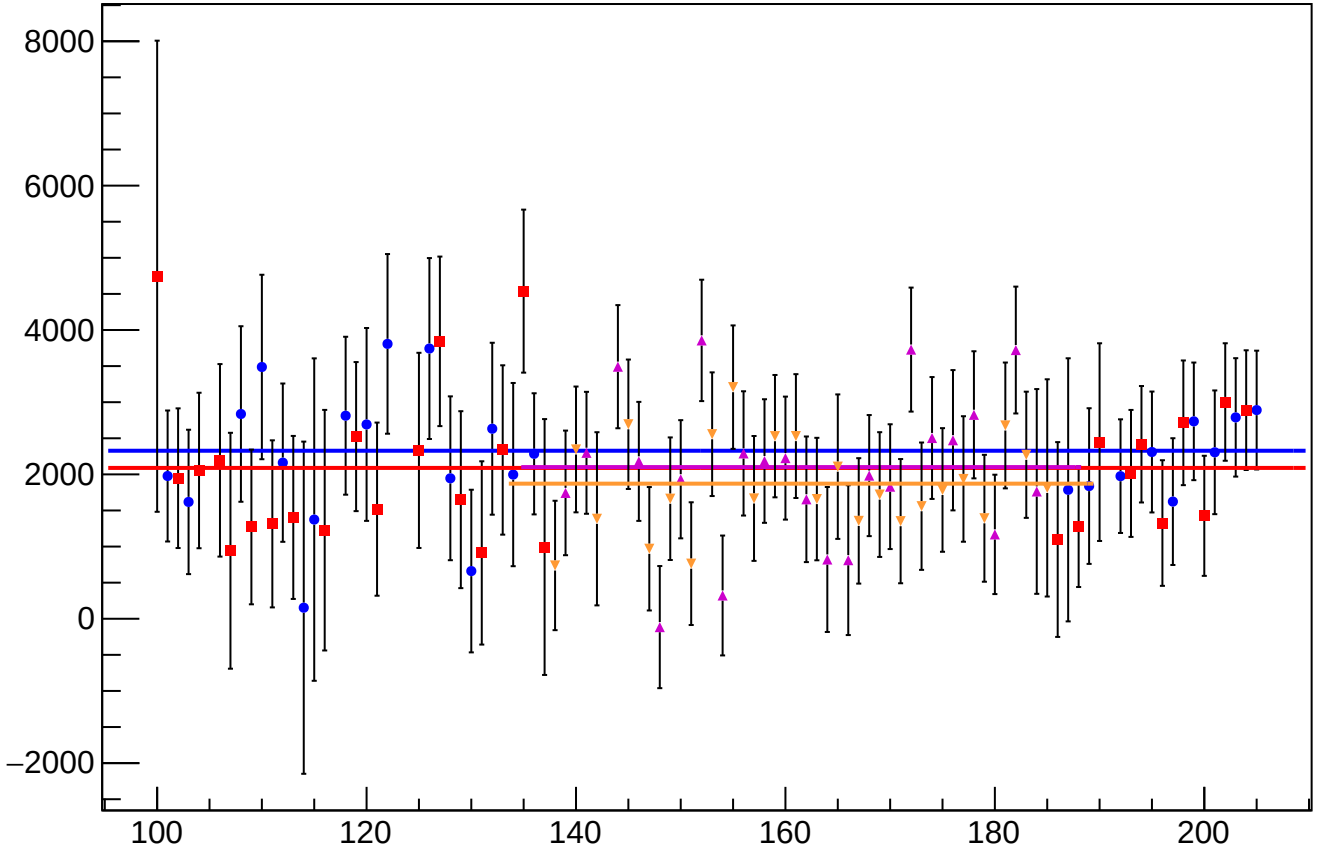
Right: 1355.686+/-0.184 χ^2/NDF: 3188960.0/52

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

Out: 1384.069+/-0.173 χ^2/NDF:2724547.7/51

All: 1364.754+/-0.122 χ^2/NDF: 5666238.7/99

dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2089.486+/-203.445 χ^2/NDF: 17.5/27

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

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

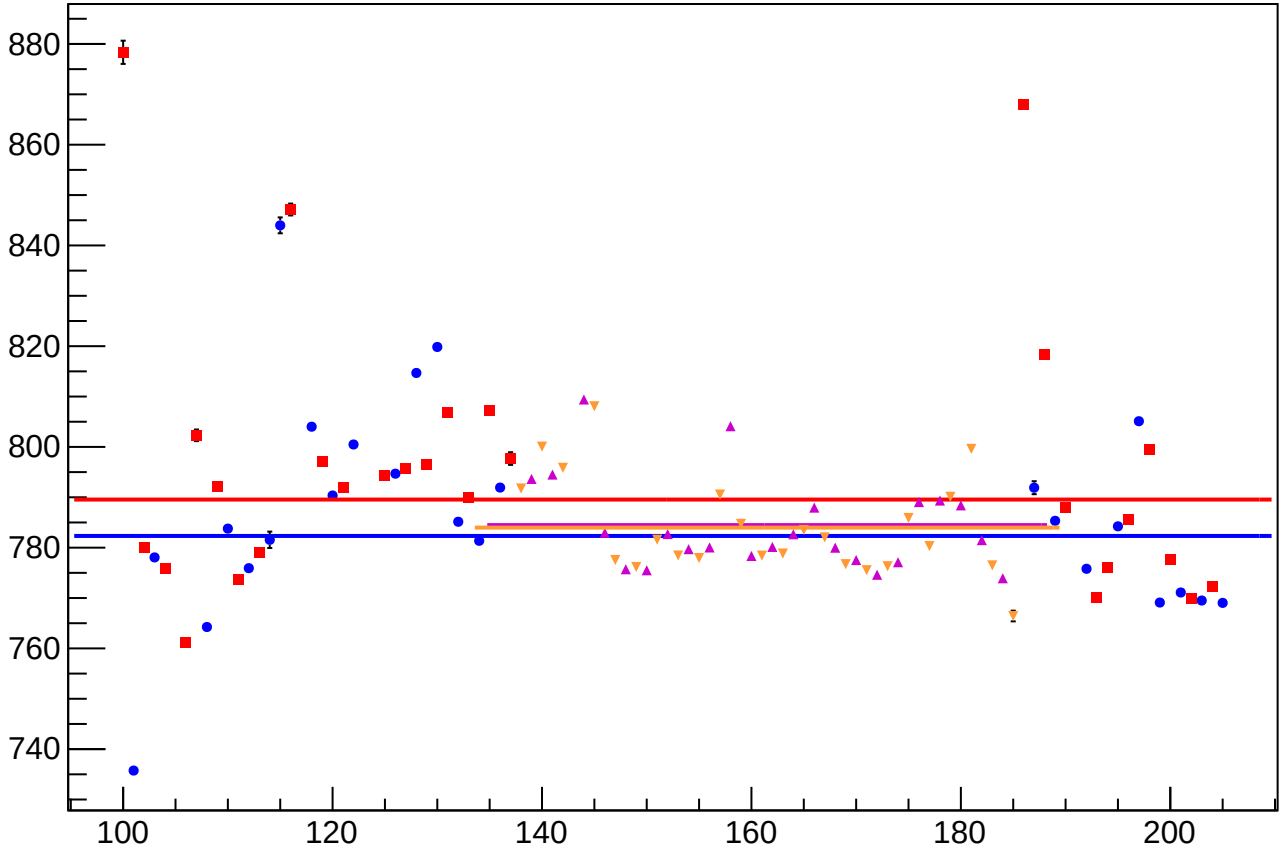
Right: 2205.652+/-145.548 χ^2/NDF: 28.5/52

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

Out: 1968.365+/-135.634 χ^2/NDF:30.6/51

All: 2082.437+/-96.581 χ^2/NDF: 74.8/99

dit_asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 789.550+/-0.144 χ^2/NDF: 20564.3/27

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

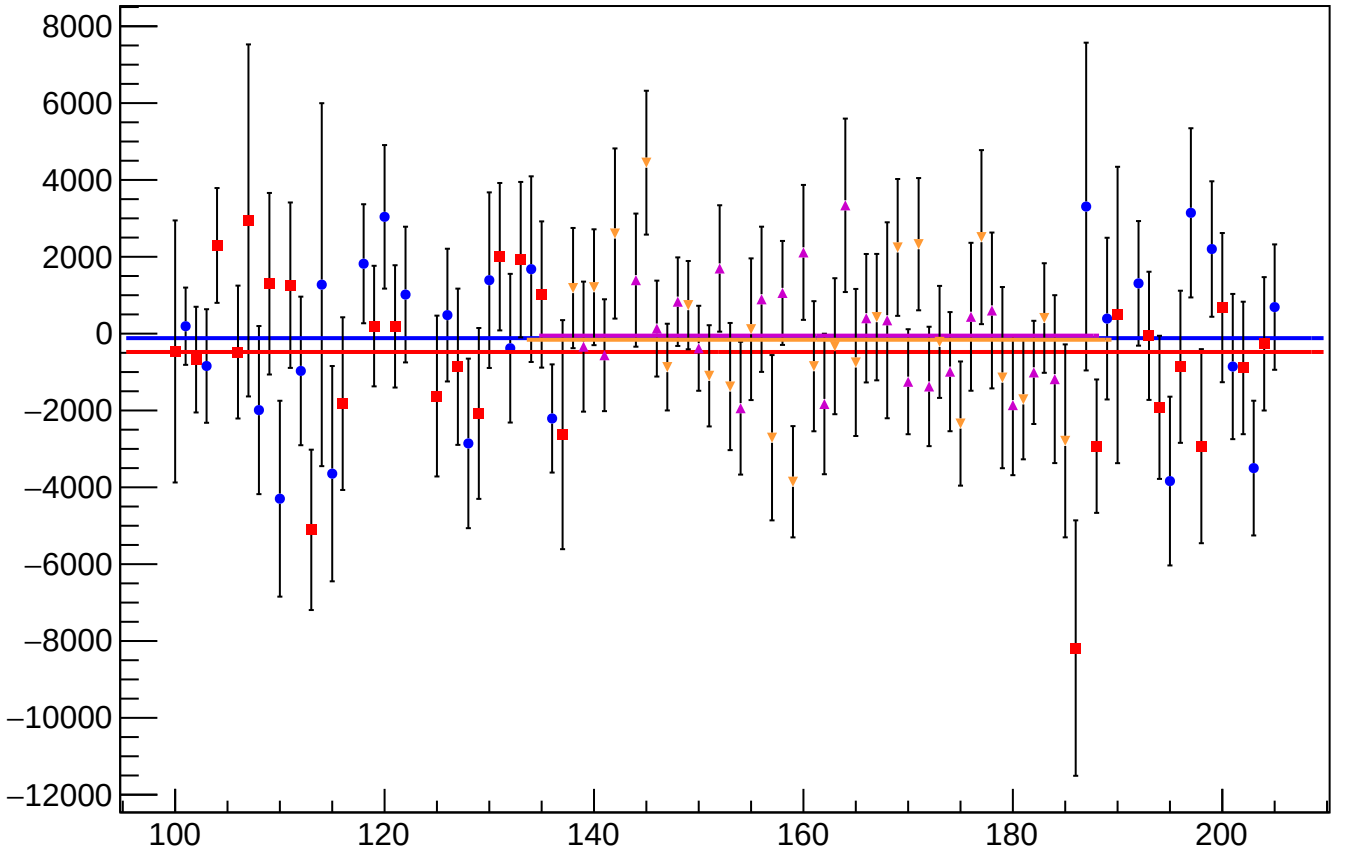
Left: 784.225+/-0.091 χ^2/NDF: 9863.0/46

Right: 786.023+/-0.103 χ^2/NDF: 38183.6/52

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

Out: 786.457+/-0.096 χ^2/NDF:26324.7/51

All: 785.017+/-0.068 χ^2/NDF: 48217.4/99



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

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

Right Out: -477.700+/-374.557 χ^2/NDF: 25.5/27

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

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

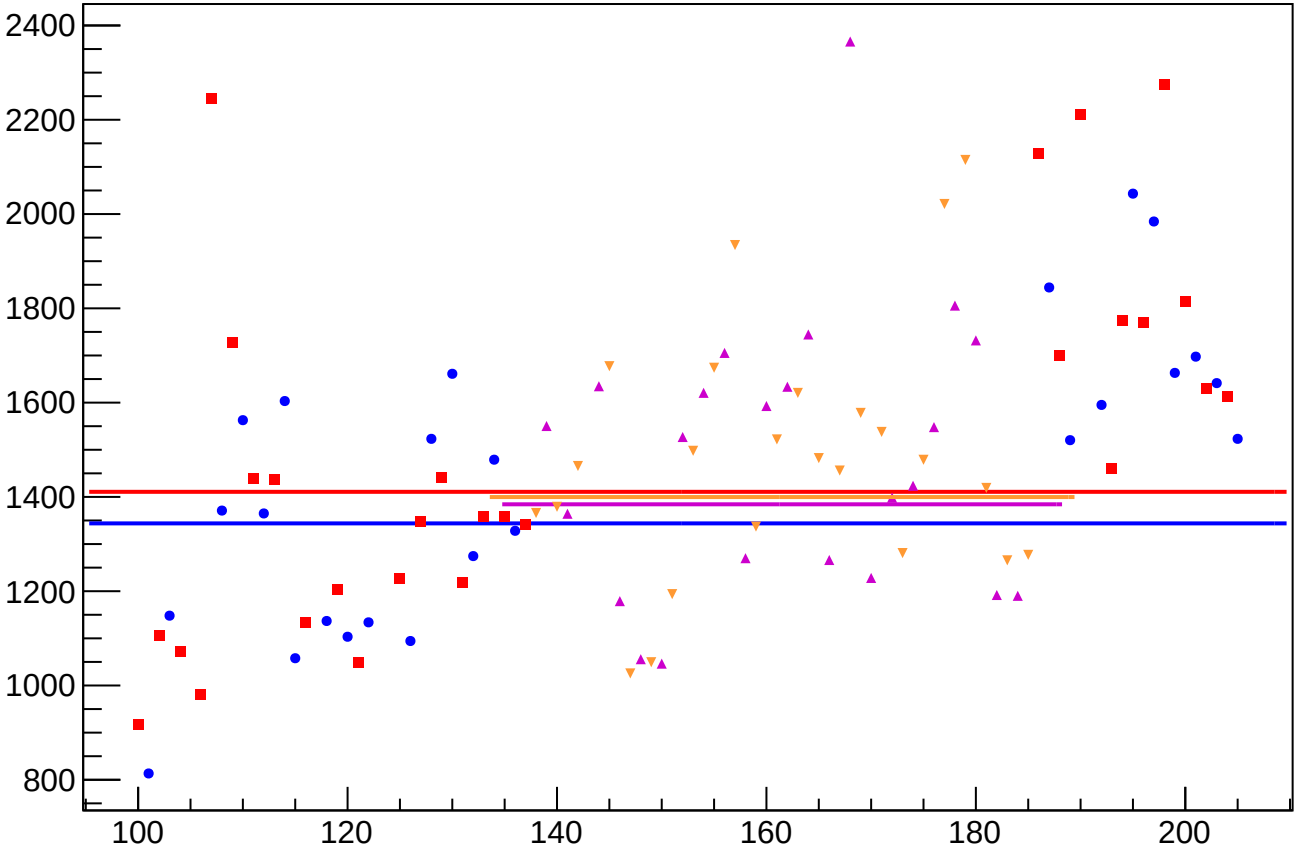
Right: -295.050+/-263.034 χ^2/NDF: 53.6/52

In: -80.996+/-246.206 χ^2/NDF:41.1/47

Out: -299.467+/-248.529 χ^2/NDF:55.0/51

All: -189.206+/-174.909 χ^2/NDF: 96.5/99

asym_us_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1343.854+/-0.261 χ^2/NDF: 1512595.4/24

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

Right Out: 1410.809+/-0.265 χ^2/NDF: 1438058.5/27

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

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

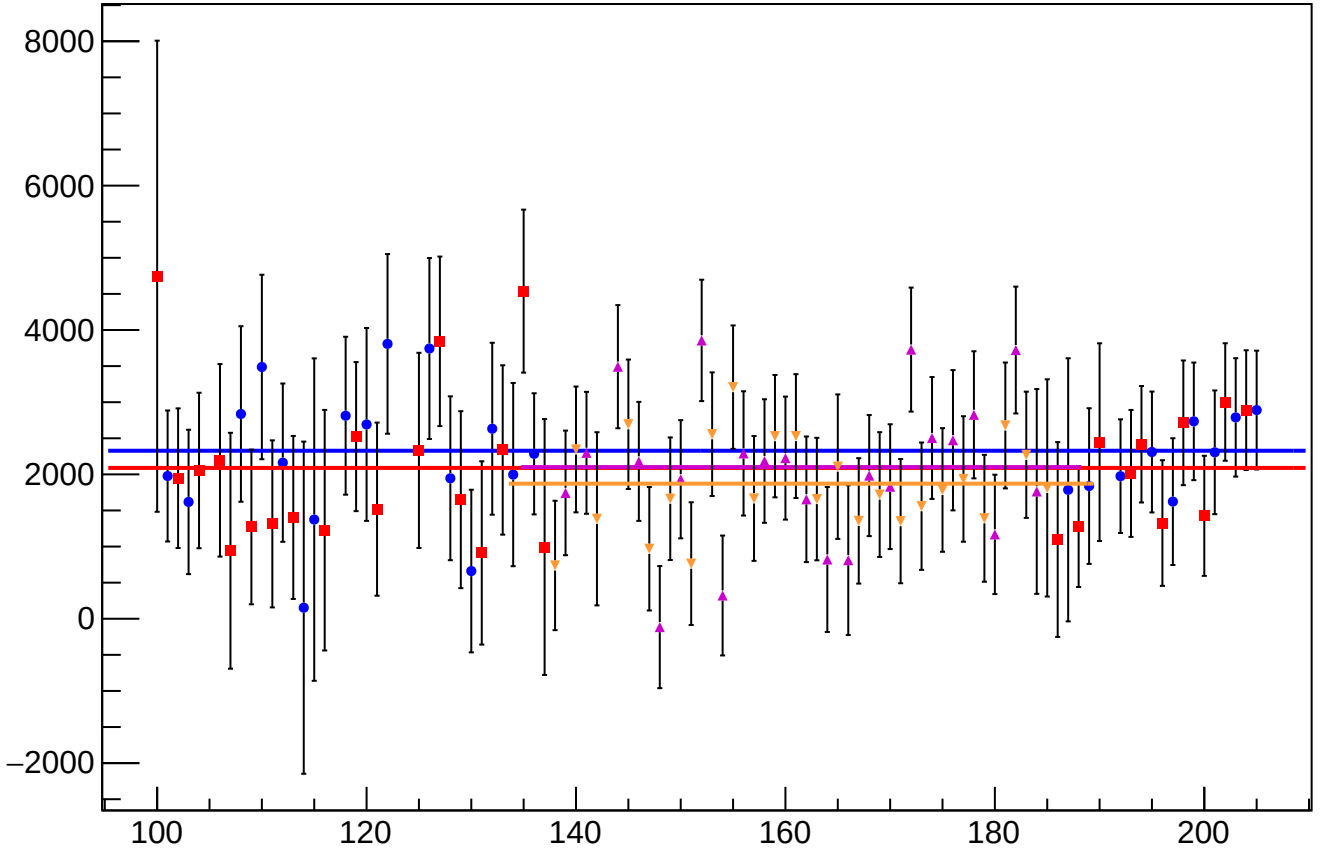
Right: 1376.874+/-0.186 χ^2/NDF: 2983045.8/52

In: 1366.358+/-0.174 χ^2/NDF:2795878.7/47

Out: 1404.601+/-0.176 χ^2/NDF:2575390.5/51

All: 1385.300+/-0.124 χ^2/NDF: 5395169.3/99

eigen_dit_asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2089.484+/-203.444 χ^2/NDF: 17.5/27

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

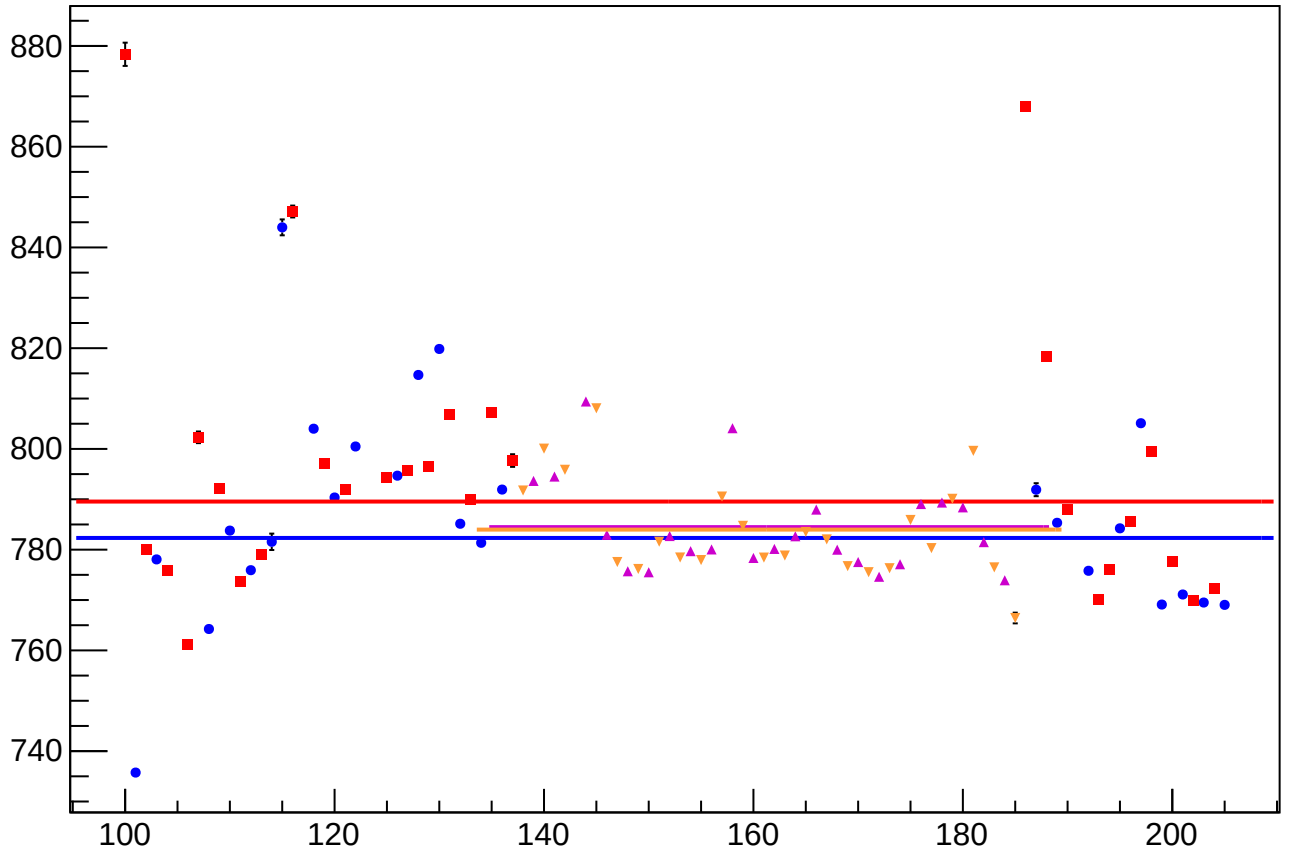
Left: 1985.495+/-129.100 χ^2/NDF: 45.0/46

Right: 2205.651+/-145.548 χ^2/NDF: 28.5/52

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

Out: 1968.363+/-135.634 χ^2/NDF:30.6/51

All: 2082.436+/-96.581 χ^2/NDF: 74.8/99



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

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

Right Out: 789.550+/-0.144 χ^2/NDF: 20564.2/27

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

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

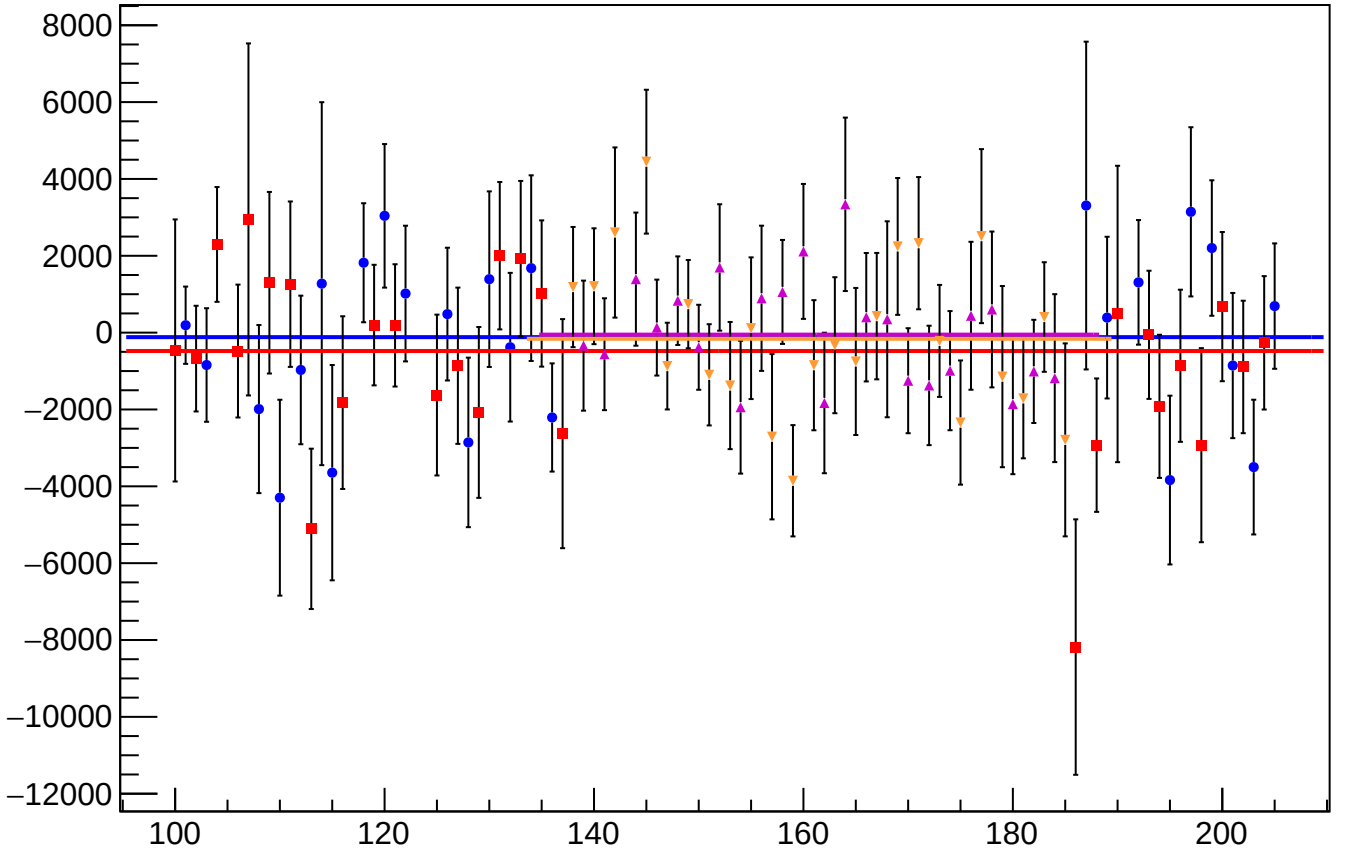
Right: 786.023+/-0.103 χ^2/NDF: 38183.5/52

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

Out: 786.457+/-0.096 χ^2/NDF:26324.6/51

All: 785.017+/-0.068 χ^2/NDF: 48217.3/99

asym_us_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



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

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

Right Out: -477.698+/-374.556 χ^2/NDF: 25.5/27

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

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

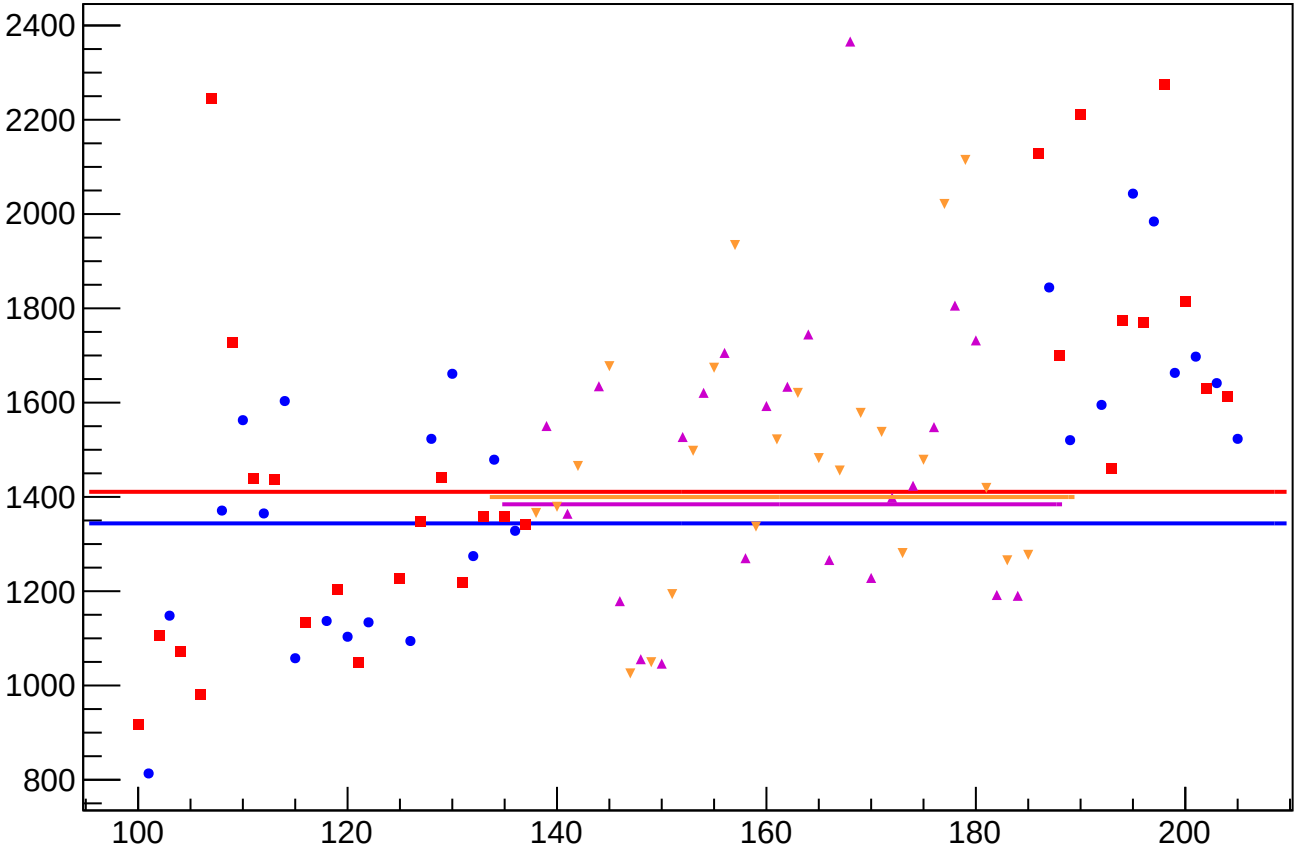
Right: -295.049+/-263.034 χ^2/NDF: 53.6/52

In: -80.996+/-246.206 χ^2/NDF:41.1/47

Out: -299.469+/-248.529 χ^2/NDF:55.0/51

All: -189.207+/-174.909 χ^2/NDF: 96.5/99

asym_us_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1410.807+/-0.265 χ^2/NDF: 1438075.9/27

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

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

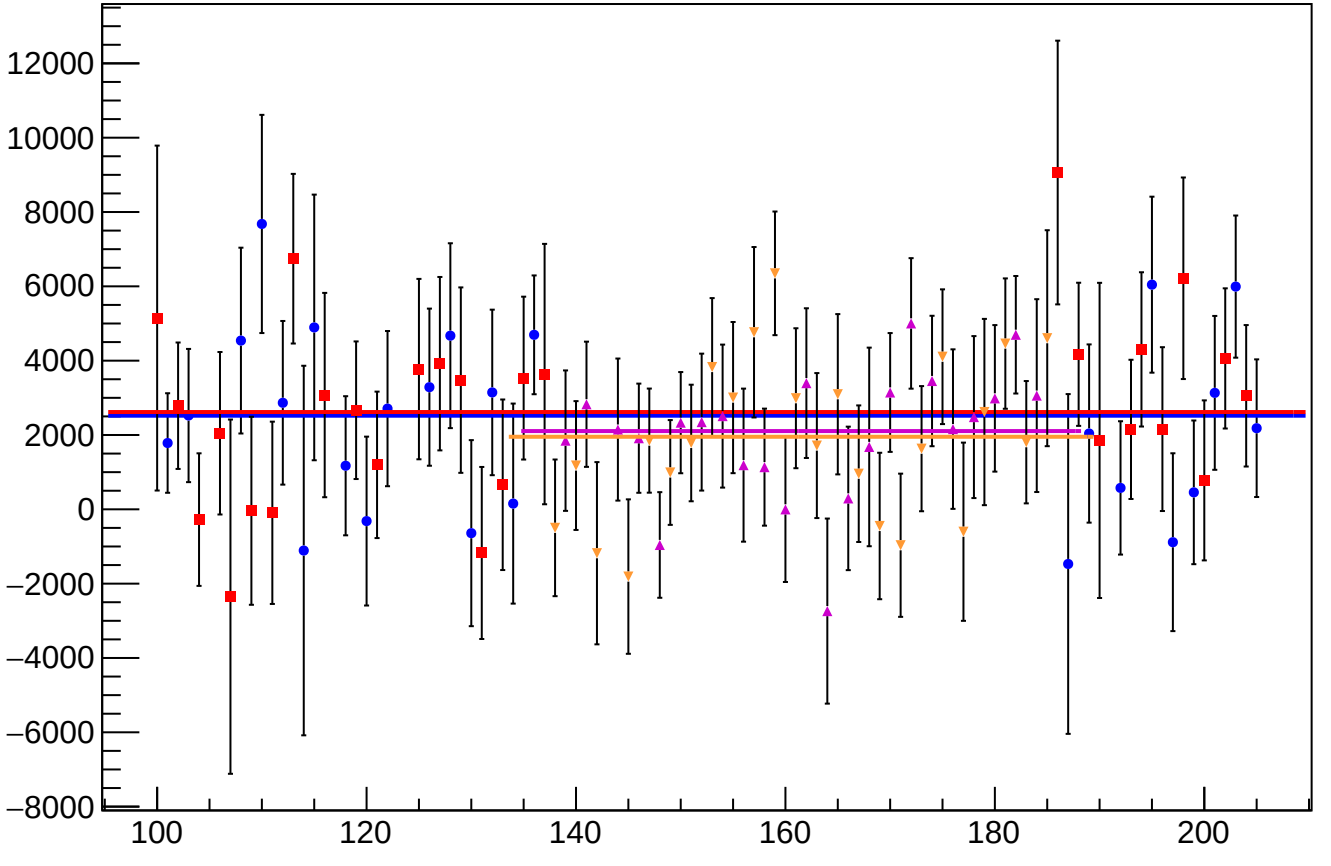
Right: 1376.872+/-0.186 χ^2/NDF: 2983078.5/52

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

Out: 1404.601+/-0.176 χ^2/NDF:2575408.1/51

All: 1385.300+/-0.124 χ^2/NDF: 5395205.9/99

asym_us_avg_mean vs Slug, Sign Corrected



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

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

Right Out: 2617.910+/-431.417 χ^2/NDF: 22.4/27

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

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

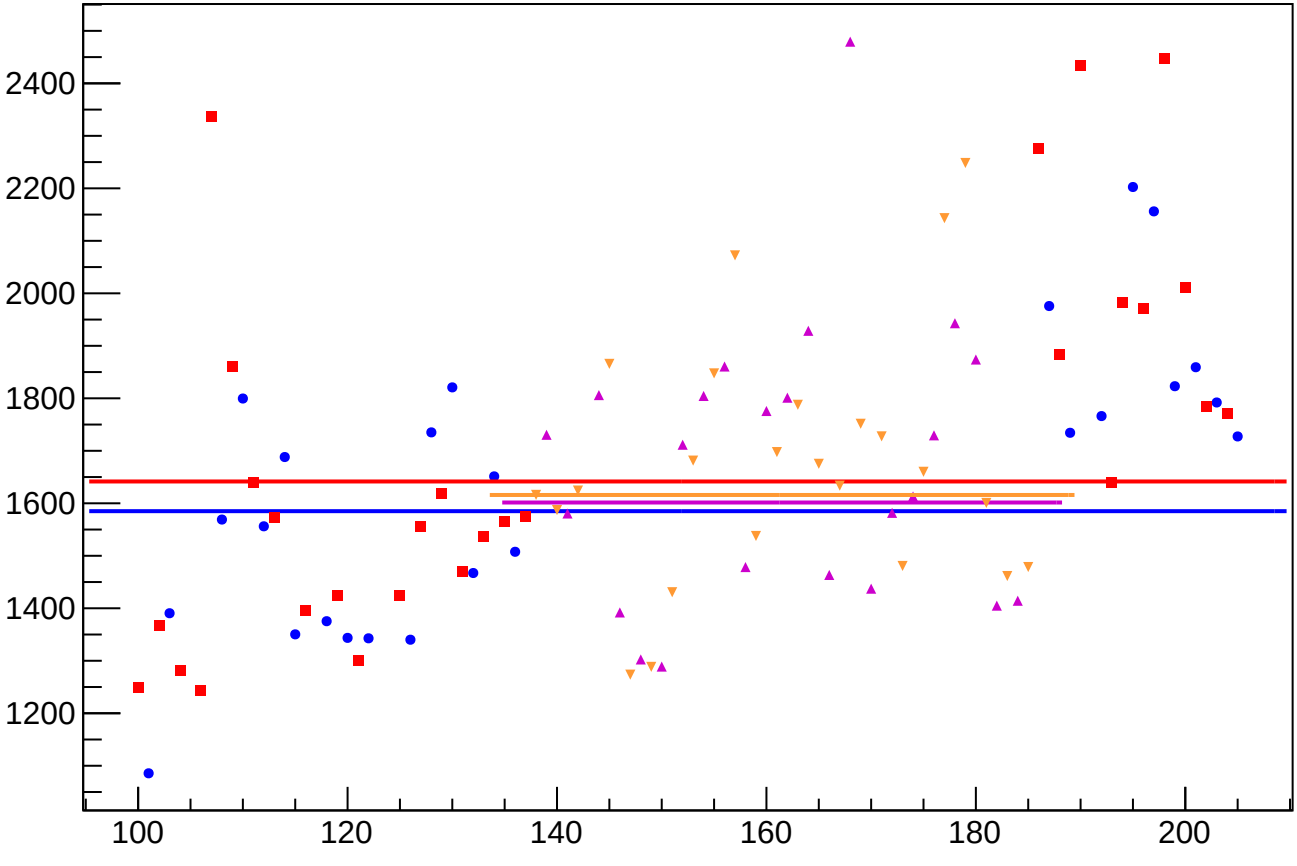
Right: 2568.480+/-304.591 χ^2/NDF: 45.5/52

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

Out: 2243.387+/-285.269 χ^2/NDF:51.1/51

All: 2264.947+/-201.398 χ^2/NDF: 93.3/99

asym_us_avg_rms vs Slug, Sign Corrected



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

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

Right Out: 1641.571+/-0.305 χ^2/NDF: 932779.5/27

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

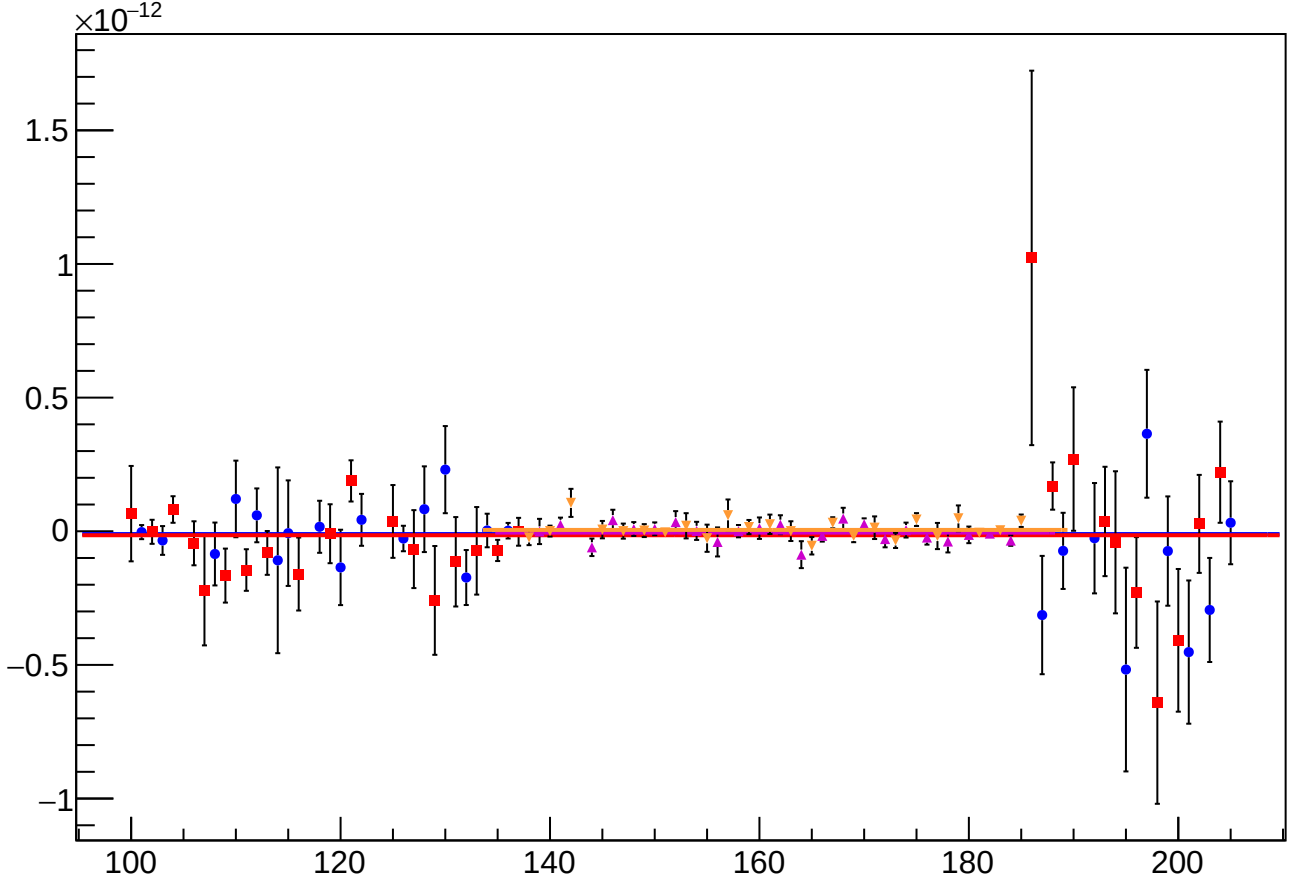
Left: 1608.652+/-0.190 χ^2/NDF: 1489505.9/46

Right: 1613.200+/-0.215 χ^2/NDF: 1803567.0/52

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

Out: 1627.098+/-0.202 χ^2/NDF:1631132.3/51

All: 1610.640+/-0.142 χ^2/NDF: 3293323.9/99



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

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

Right Out: -0.000+/-0.000 χ^2/NDF: 38.6/27

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

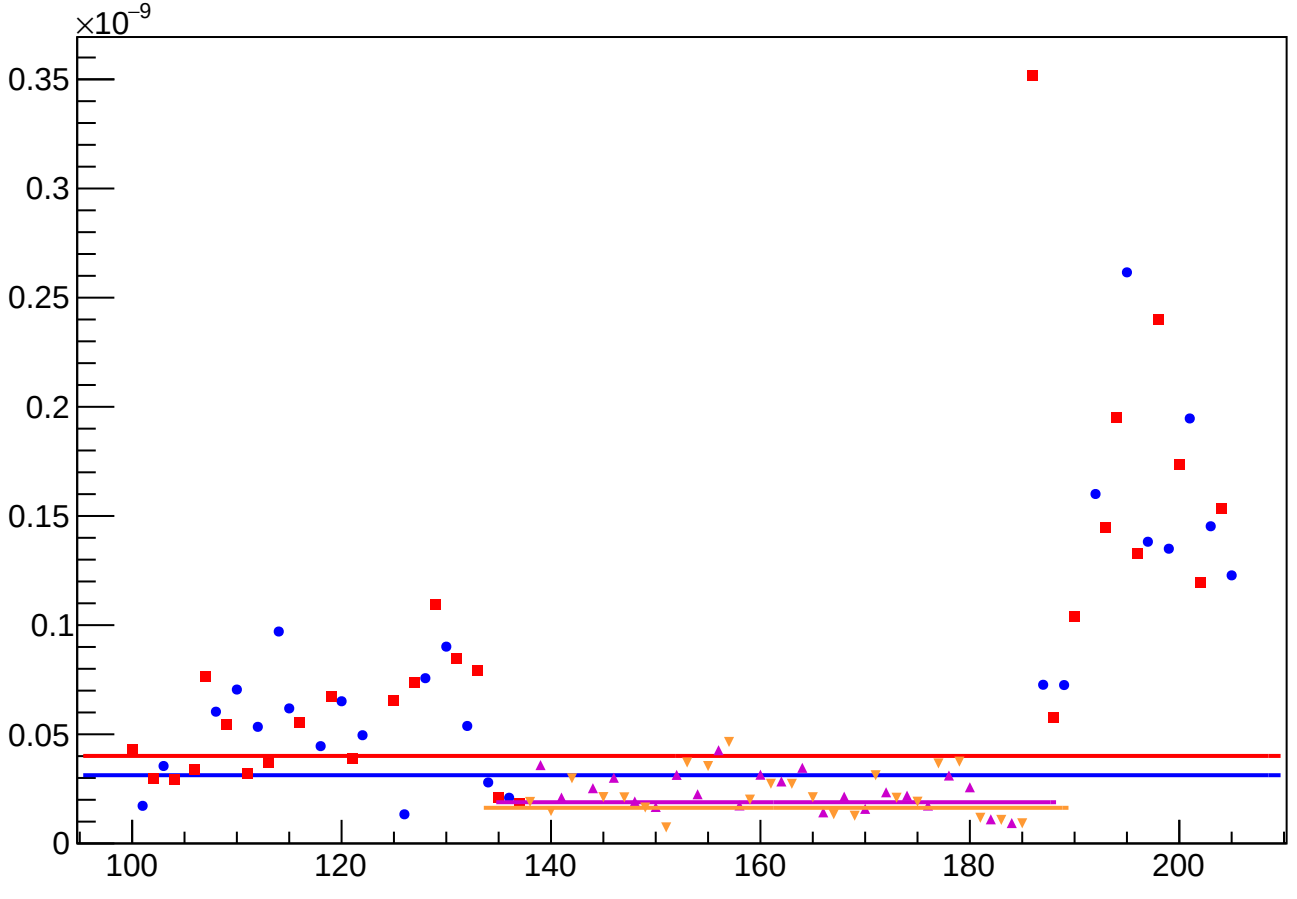
Left: 0.000+/-0.000 χ^2/NDF: 42.0/46

Right: -0.000+/-0.000 χ^2/NDF: 58.5/52

In: -0.000+/-0.000 χ^2/NDF:39.4/47

Out: 0.000+/-0.000 χ^2/NDF:60.7/51

All: -0.000+/-0.000 χ^2/NDF: 101.7/99



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 6304256.9/27

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

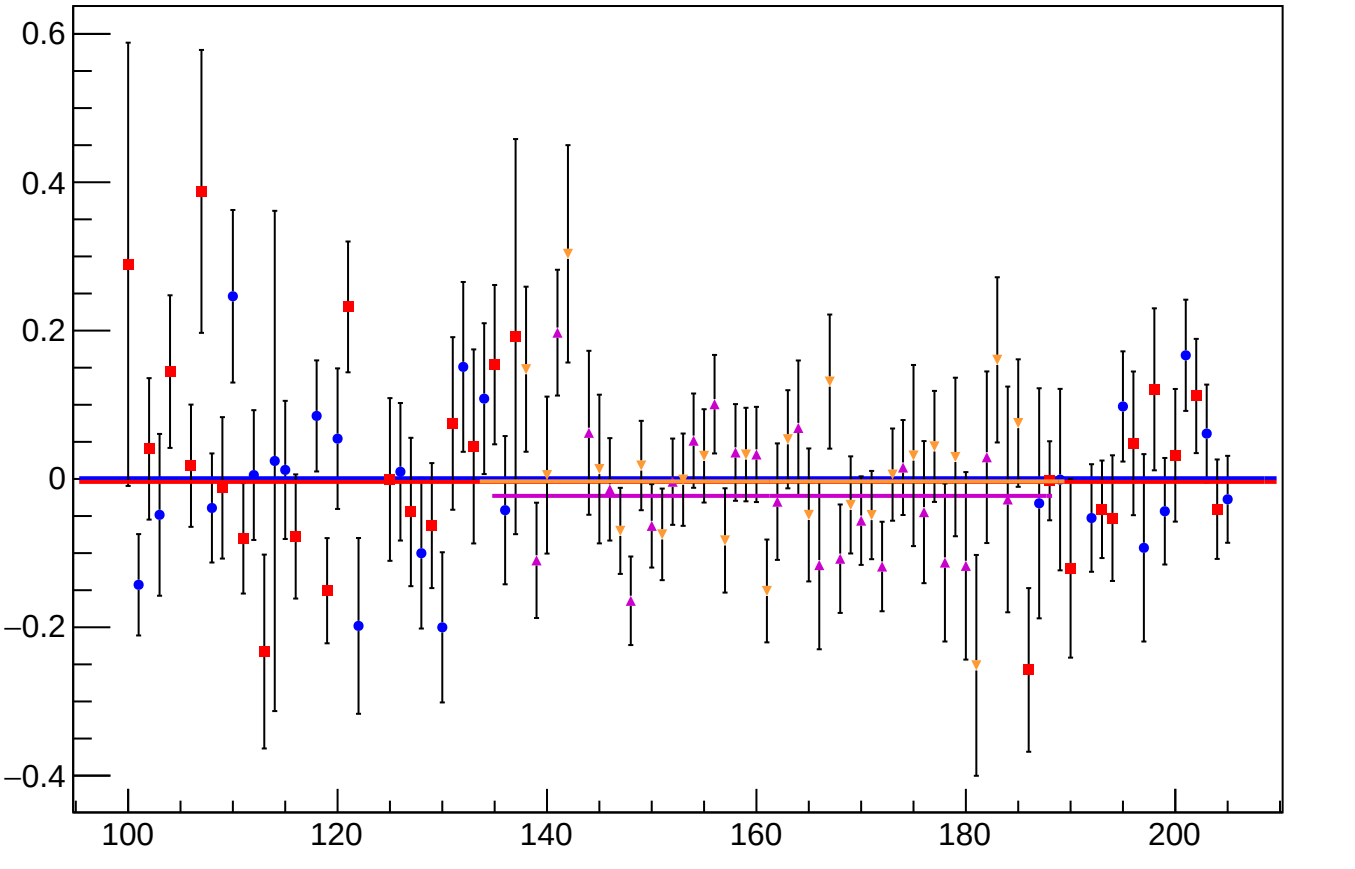
Left: 0.000+/-0.000 χ^2/NDF: 7731818.4/46

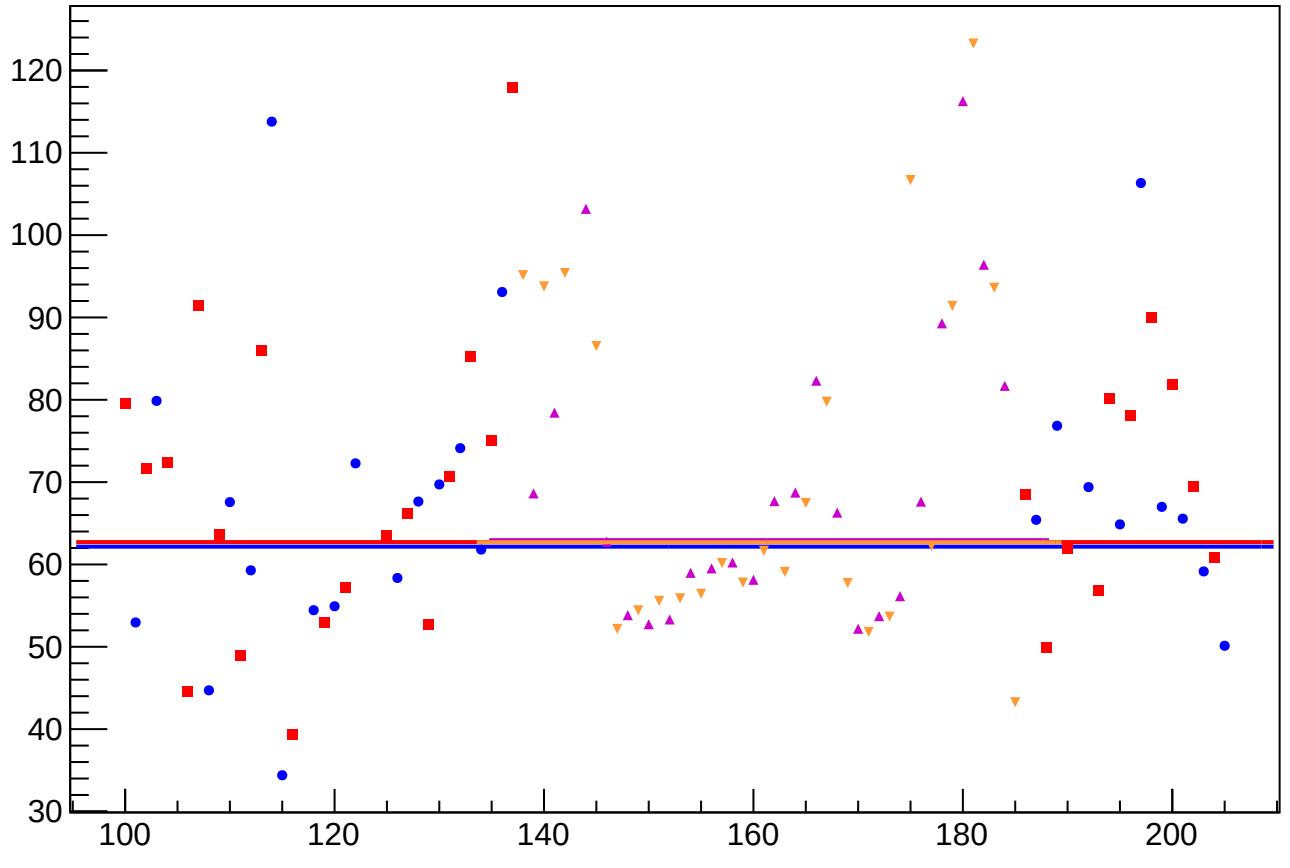
Right: 0.000+/-0.000 χ^2/NDF: 13731287.5/52

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

Out: 0.000+/-0.000 χ^2/NDF:13982381.7/51

All: 0.000+/-0.000 χ^2/NDF: 25751704.1/99


asym_us_avg_dit_vs_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: 0.001+/-0.018 χ²/NDF: 30.9/24
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.004+/-0.017 χ²/NDF: 39.0/27
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.002+/-0.012 χ²/NDF: 70.0/52
In: -0.013+/-0.012 χ²/NDF:60.9/47
Out: -0.004+/-0.012 χ²/NDF:64.9/51
All: -0.008+/-0.008 χ²/NDF: 126.1/99



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

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

Right Out: 62.719+/-0.012 χ^2/NDF: 1235653.4/27

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

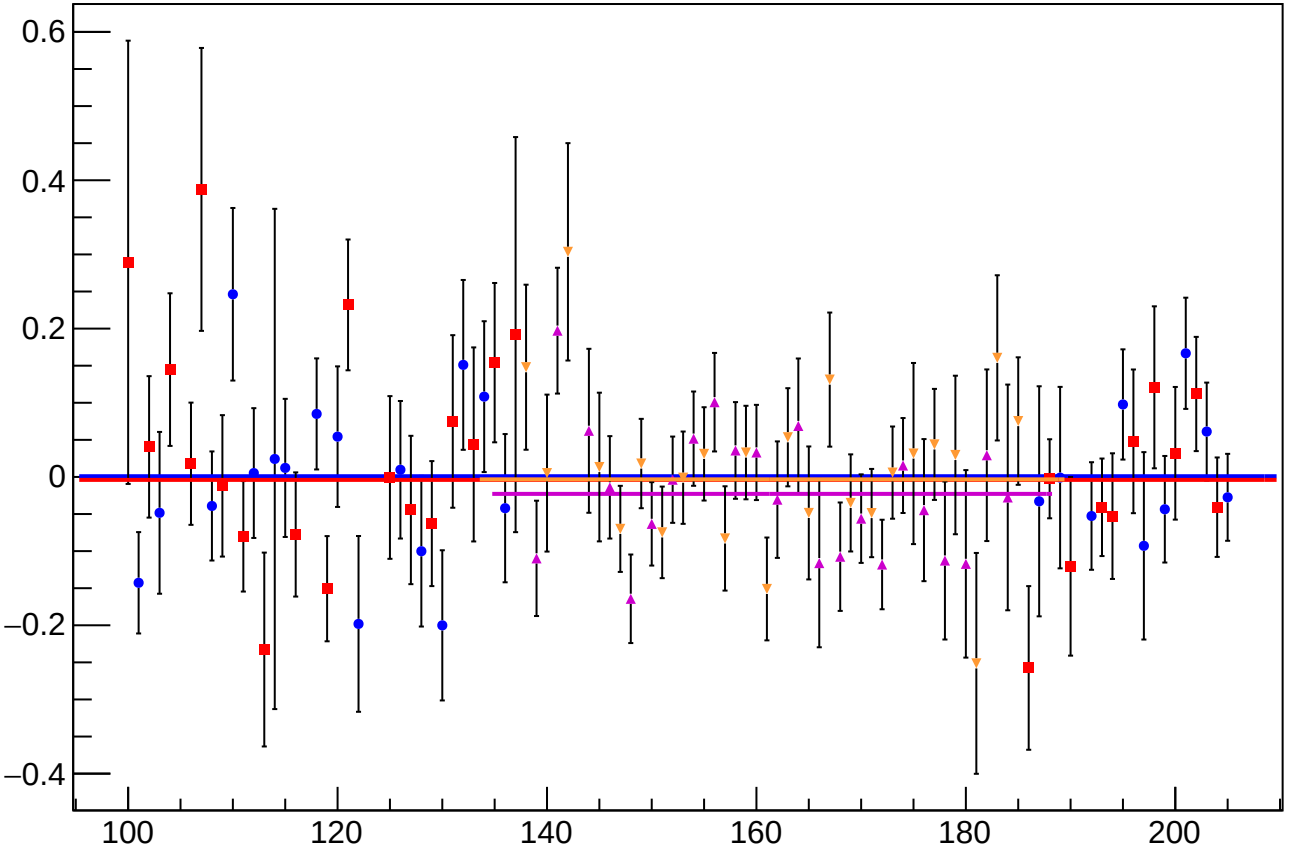
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

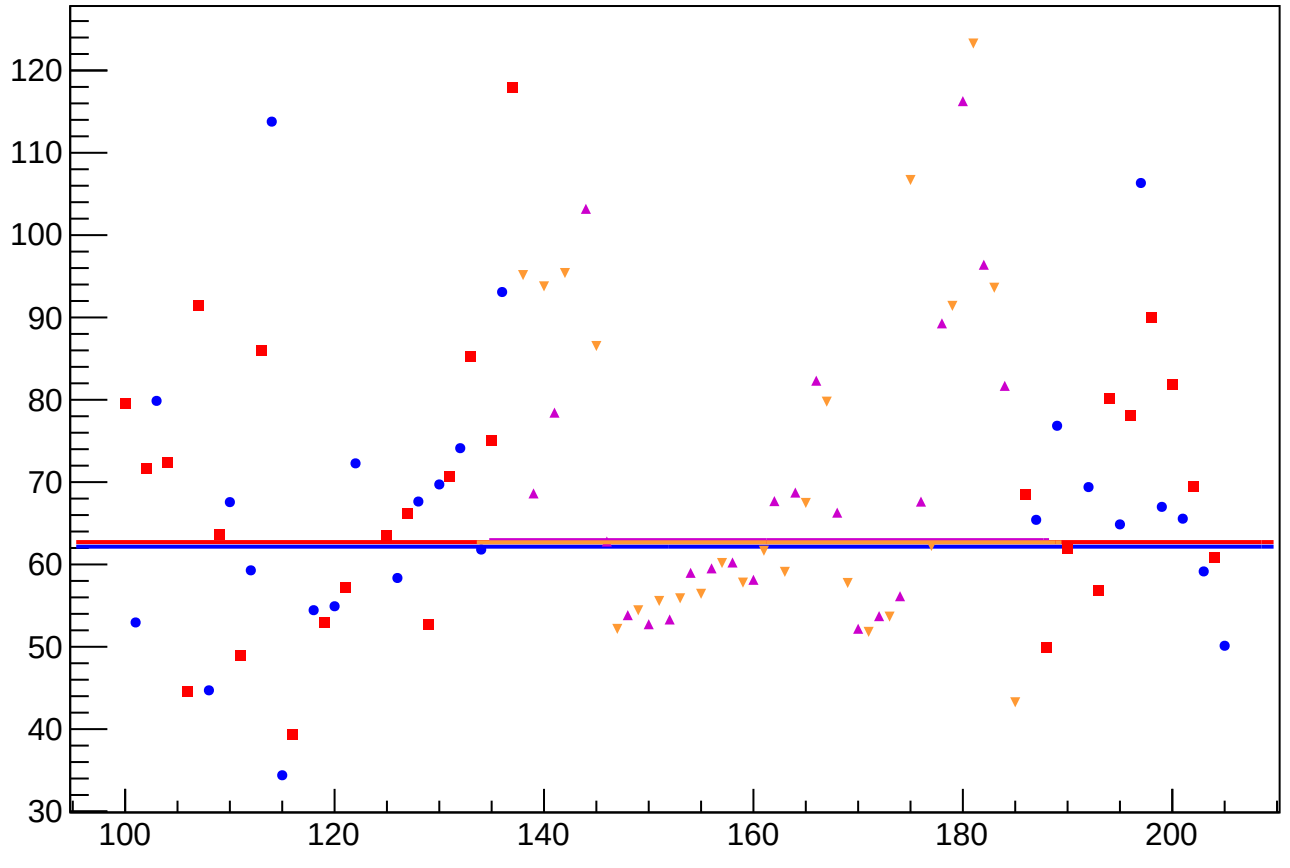
Right: 62.447+/-0.009 χ^2/NDF: 2349173.4/52

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

Out: 62.705+/-0.008 χ^2/NDF:3175056.8/51

All: 62.659+/-0.006 χ^2/NDF: 5720329.5/99


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: 0.001+/-0.018 χ²/NDF: 30.9/24
Left Out: -0.003+/-0.015 χ²/NDF:25.9/23
Right Out: -0.004+/-0.017 χ²/NDF: 39.0/27
Left In: -0.023+/-0.015 χ²/NDF:29.0/22
Left: -0.013+/-0.011 χ²/NDF: 55.7/46
Right: -0.002+/-0.012 χ²/NDF: 70.0/52
In: -0.013+/-0.012 χ²/NDF:60.9/47
Out: -0.004+/-0.012 χ²/NDF:64.9/51
All: -0.008+/-0.008 χ²/NDF: 126.1/99



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

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

Right Out: 62.719+/-0.012 χ^2/NDF: 1235653.4/27

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

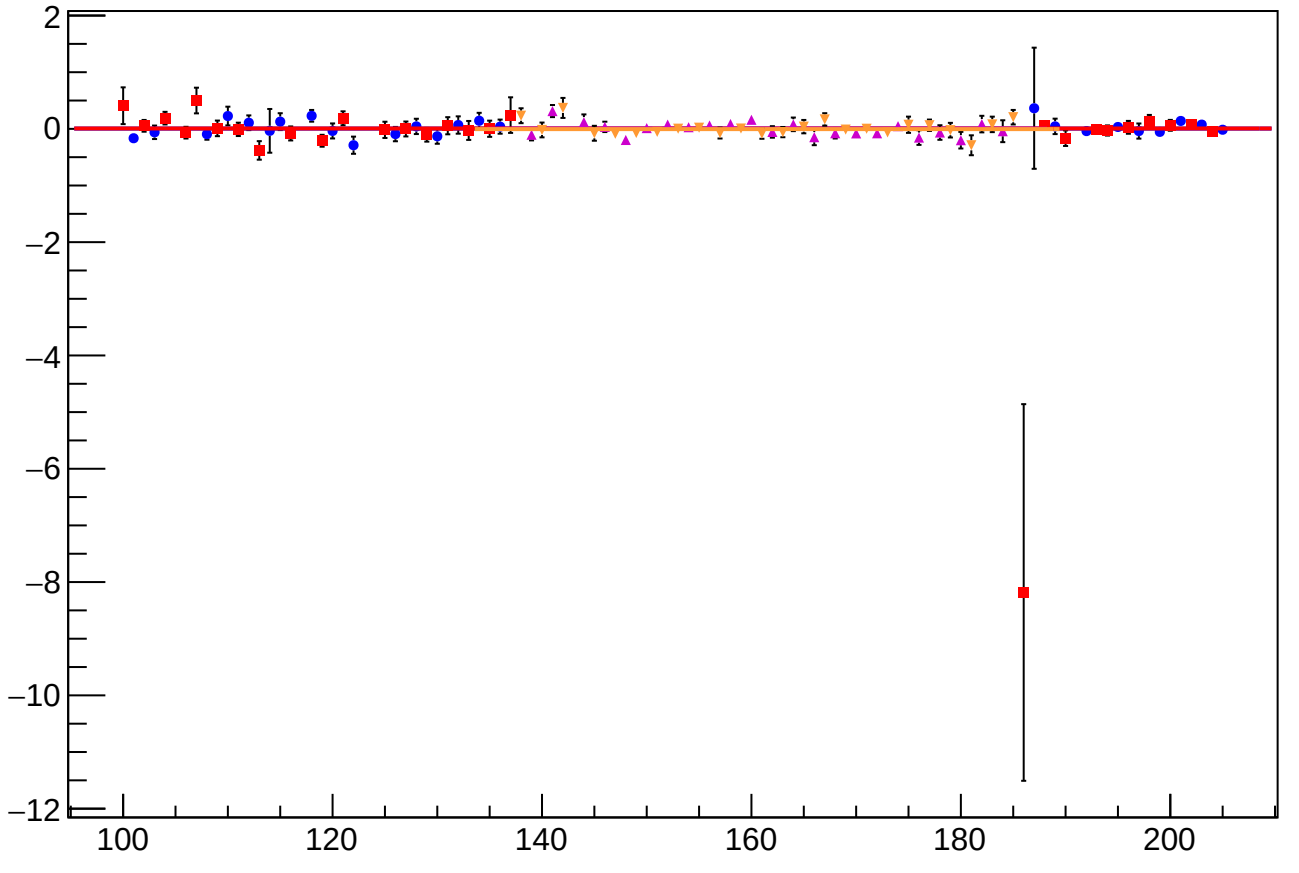
Left: 62.825+/-0.008 χ^2/NDF: 3370112.8/46

Right: 62.447+/-0.009 χ^2/NDF: 2349173.4/52

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

Out: 62.705+/-0.008 χ^2/NDF:3175056.8/51

All: 62.659+/-0.006 χ^2/NDF: 5720329.5/99



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

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

Right Out: 0.007+/-0.022 χ^2/NDF: 35.0/27

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

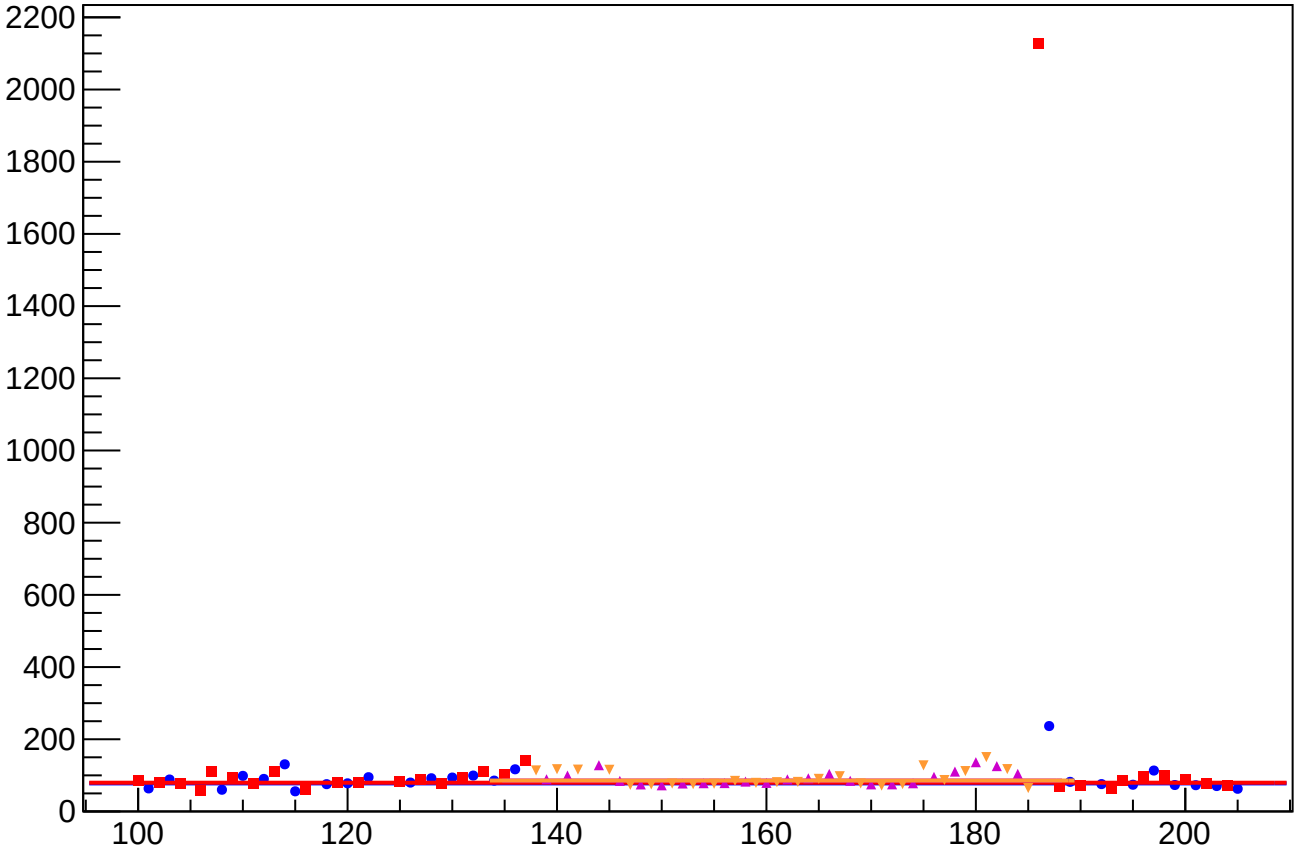
Right: 0.006+/-0.015 χ^2/NDF: 60.2/52

In: 0.003+/-0.015 χ^2/NDF:55.8/47

Out: 0.001+/-0.015 χ^2/NDF:56.4/51

All: 0.002+/-0.011 χ^2/NDF: 112.3/99

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 79.619+/-0.015 χ^2/NDF: 1560426.5/27

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

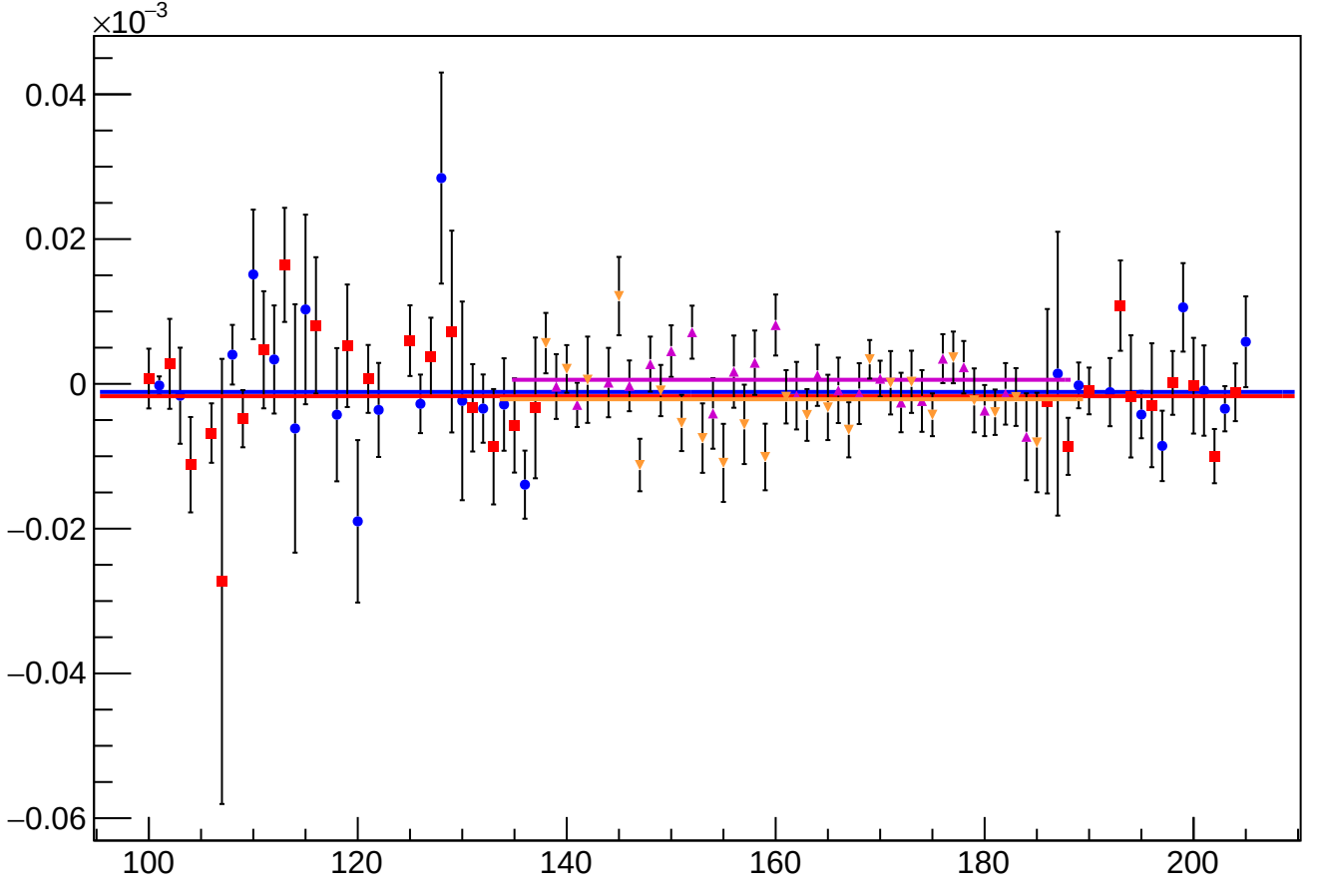
Left: 85.665+/-0.010 χ^2/NDF: 2348620.8/46

Right: 78.649+/-0.011 χ^2/NDF: 2472547.3/52

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

Out: 82.792+/-0.011 χ^2/NDF:2993788.1/51

All: 82.347+/-0.008 χ^2/NDF: 5038856.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/24

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

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/27

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

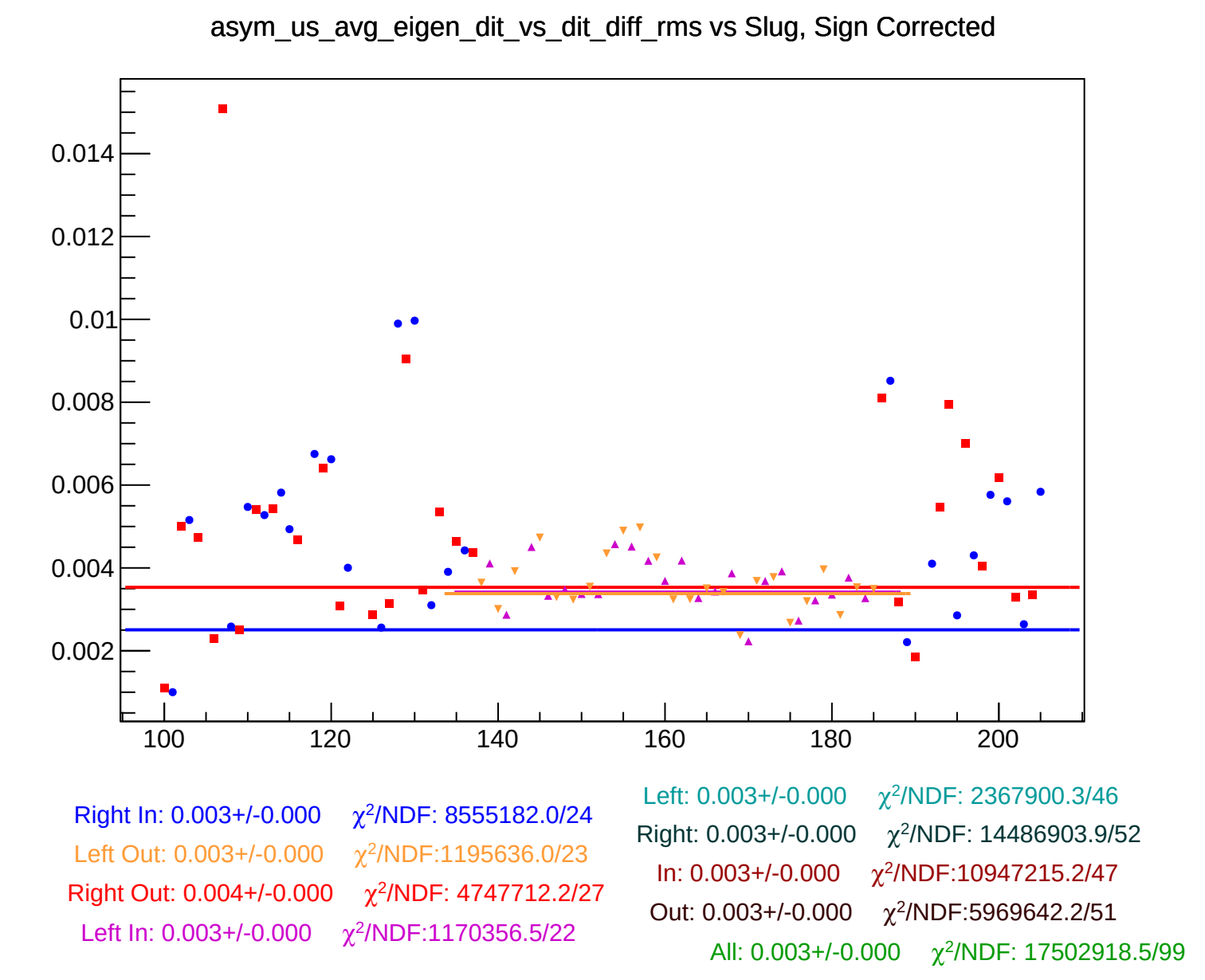
Left: -0.000+/-0.000 χ^2/NDF: 59.5/46

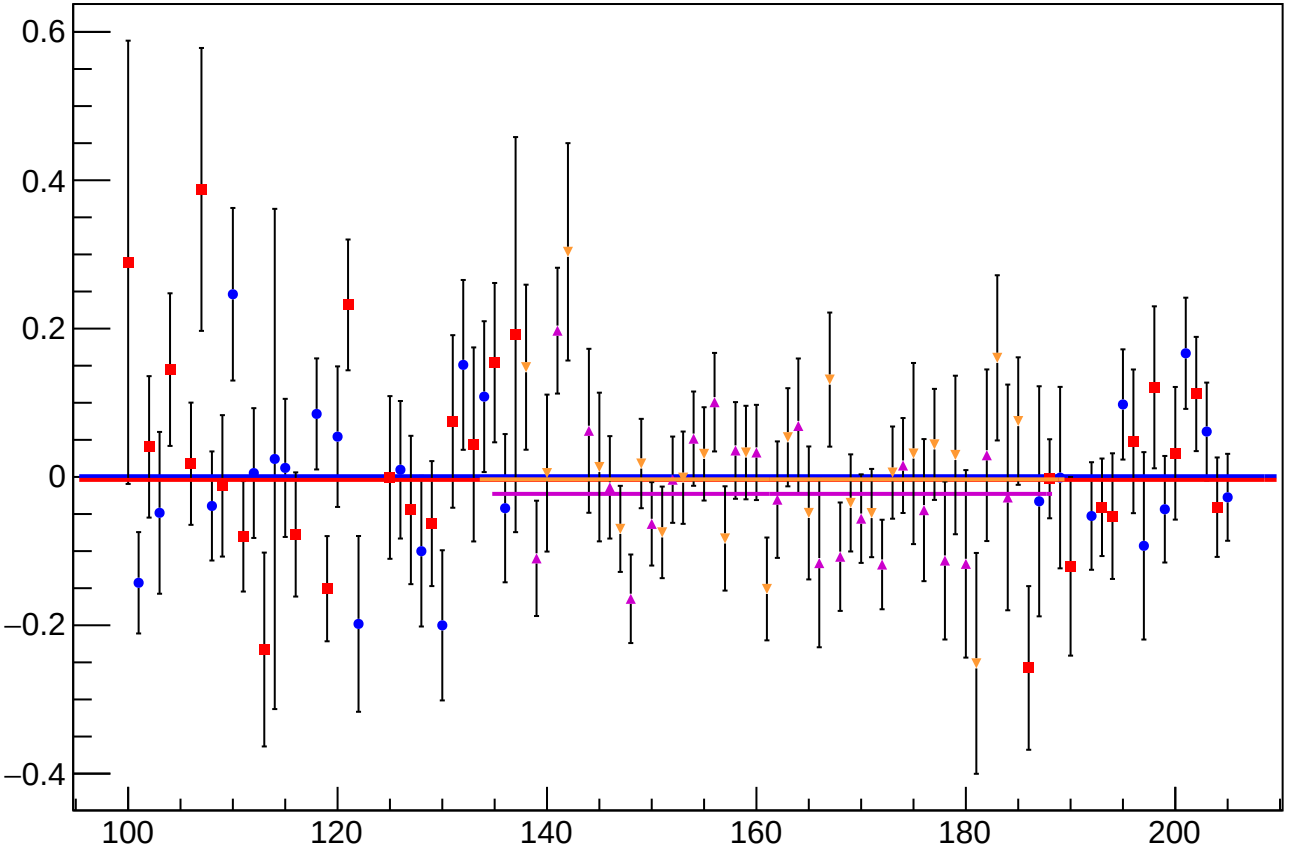
Right: -0.000+/-0.000 χ^2/NDF: 61.5/52

In: -0.000+/-0.000 χ^2/NDF:48.8/47

Out: -0.000+/-0.000 χ^2/NDF:68.7/51

All: -0.000+/-0.000 χ^2/NDF: 121.5/99


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: 8555182.0/24
Left Out: 0.003+/-0.000 χ²/NDF:1195636.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 4747712.2/27
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: 14486903.9/52
In: 0.003+/-0.000 χ²/NDF:10947215.2/47
Out: 0.003+/-0.000 χ²/NDF:5969642.2/51
All: 0.003+/-0.000 χ²/NDF: 17502918.5/99



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

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

Right Out: -0.004+/-0.017 χ^2/NDF: 39.0/27

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

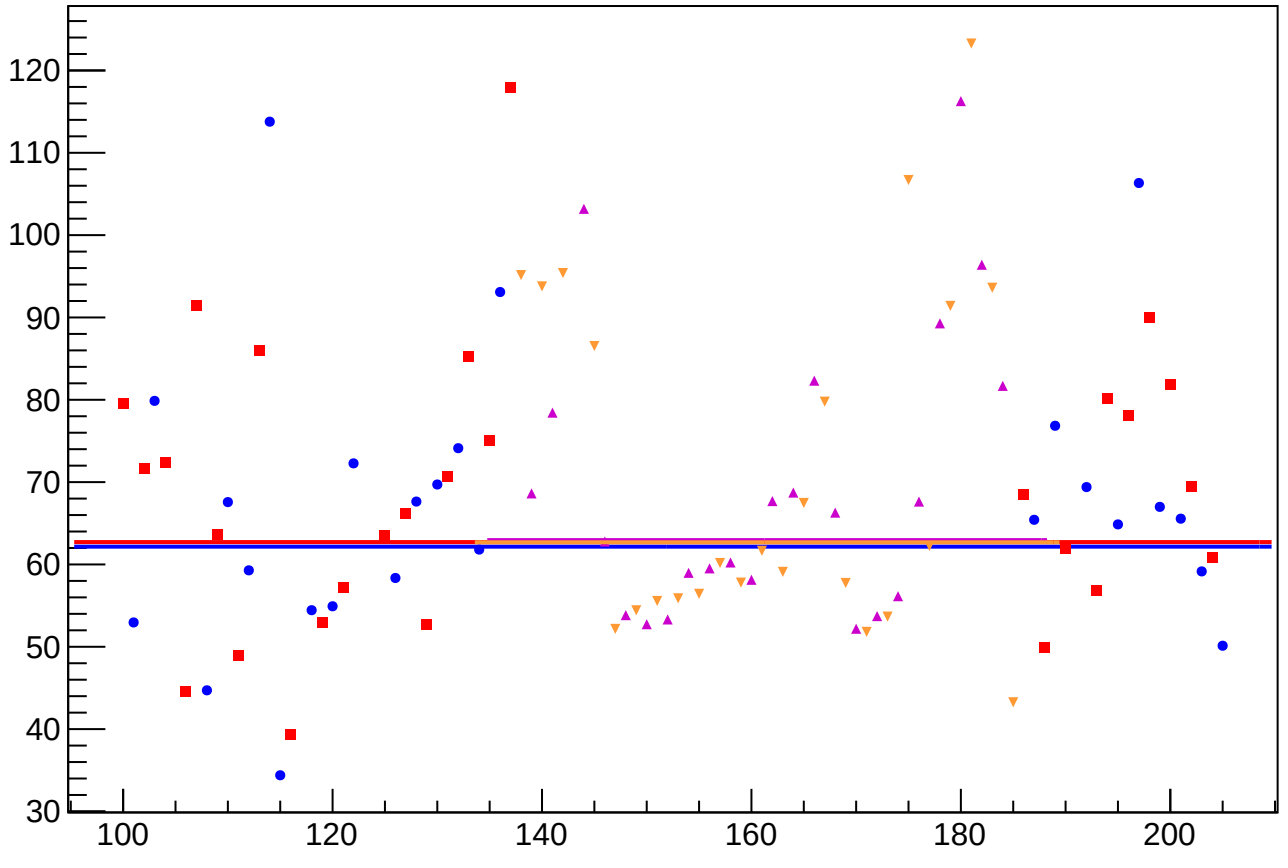
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.002+/-0.012 χ^2/NDF: 70.0/52

In: -0.013+/-0.012 χ^2/NDF:60.9/47

Out: -0.004+/-0.012 χ^2/NDF:64.9/51

All: -0.008+/-0.008 χ^2/NDF: 126.1/99



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

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

Right Out: 62.718+/-0.012 χ^2/NDF: 1235592.2/27

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

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

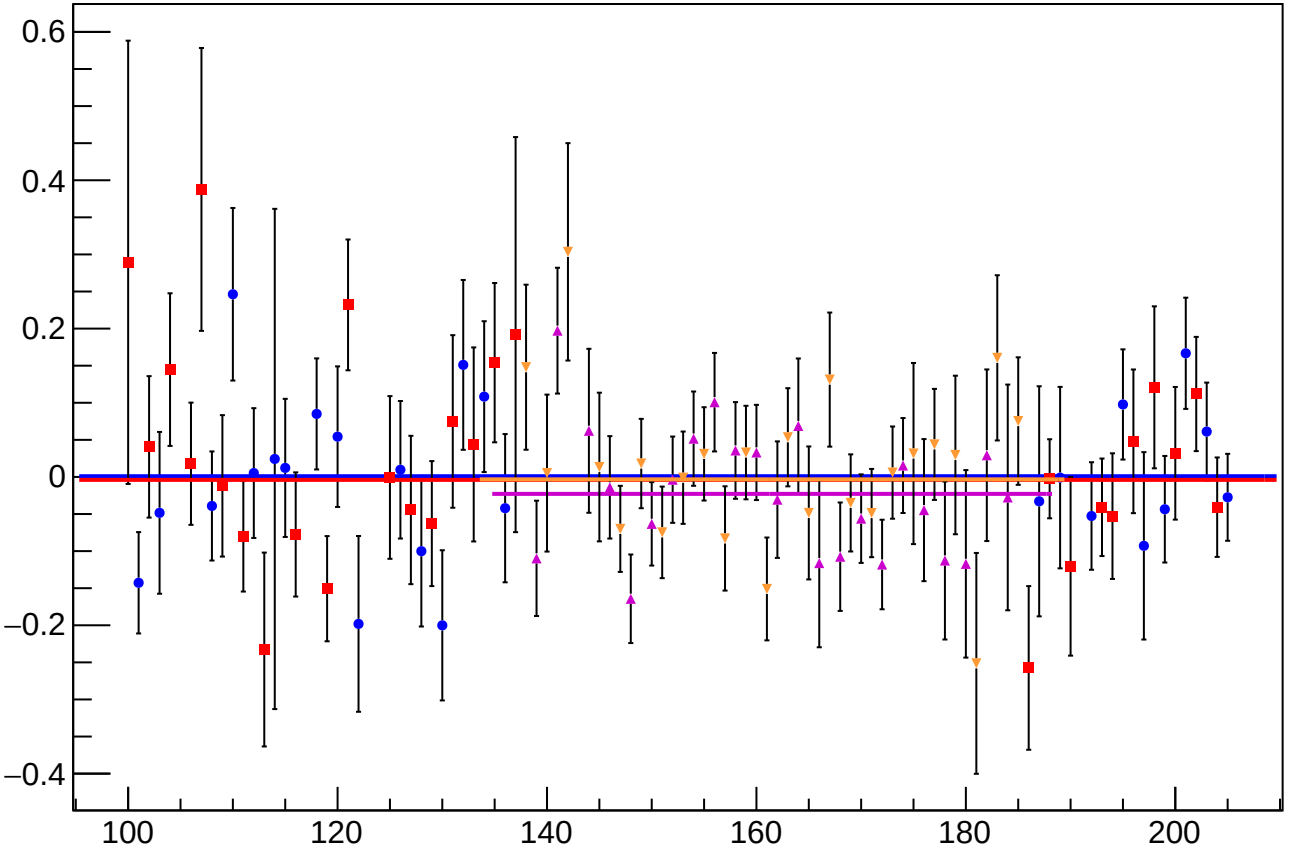
Right: 62.447+/-0.009 χ^2/NDF: 2349102.4/52

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

Out: 62.705+/-0.008 χ^2/NDF:3174977.8/51

All: 62.659+/-0.006 χ^2/NDF: 5720221.7/99

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.004+/-0.017 χ^2/NDF: 39.0/27

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

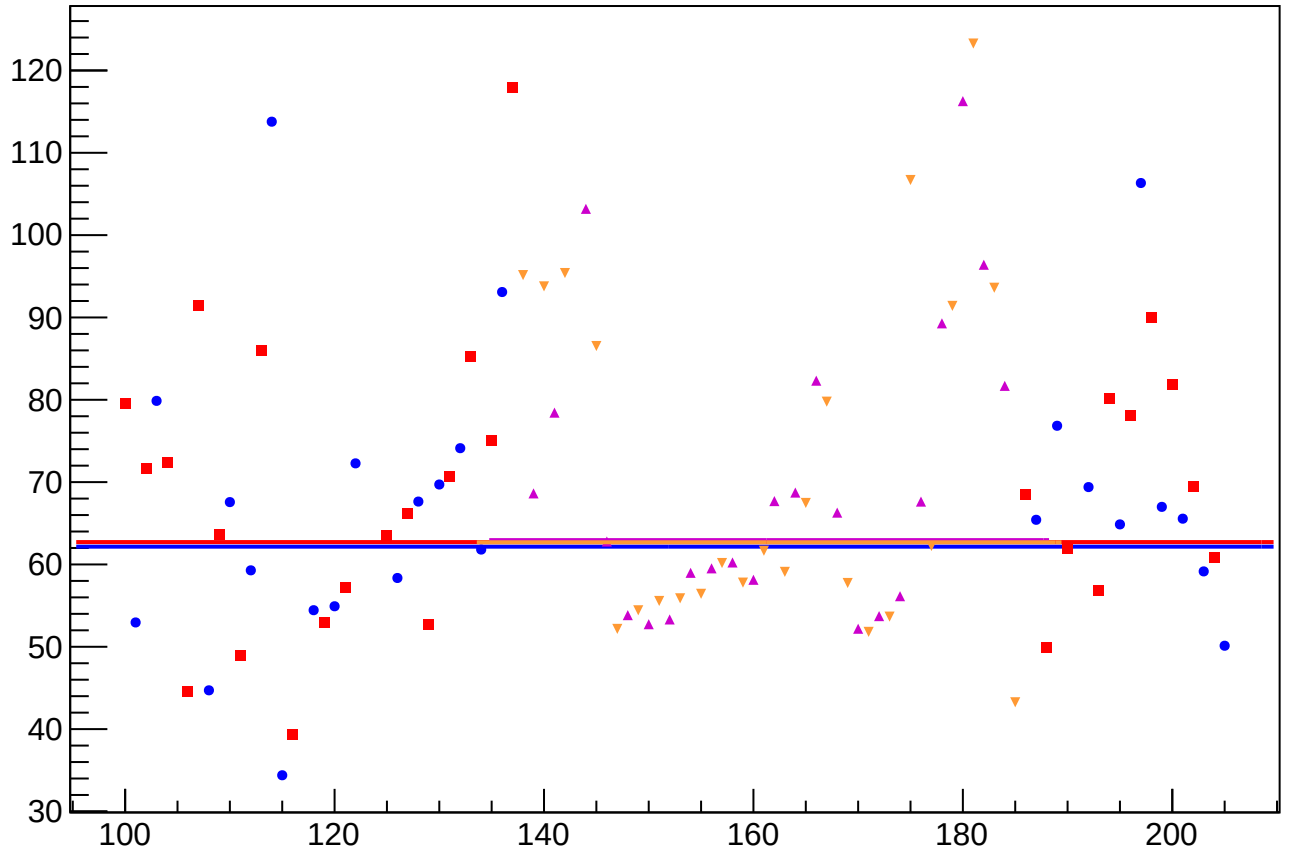
Left: -0.013+/-0.011 χ^2/NDF: 55.7/46

Right: -0.002+/-0.012 χ^2/NDF: 70.0/52

In: -0.013+/-0.012 χ^2/NDF:60.9/47

Out: -0.004+/-0.012 χ^2/NDF:64.9/51

All: -0.008+/-0.008 χ^2/NDF: 126.1/99



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

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

Right Out: 62.718+/-0.012 χ^2/NDF: 1235592.2/27

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

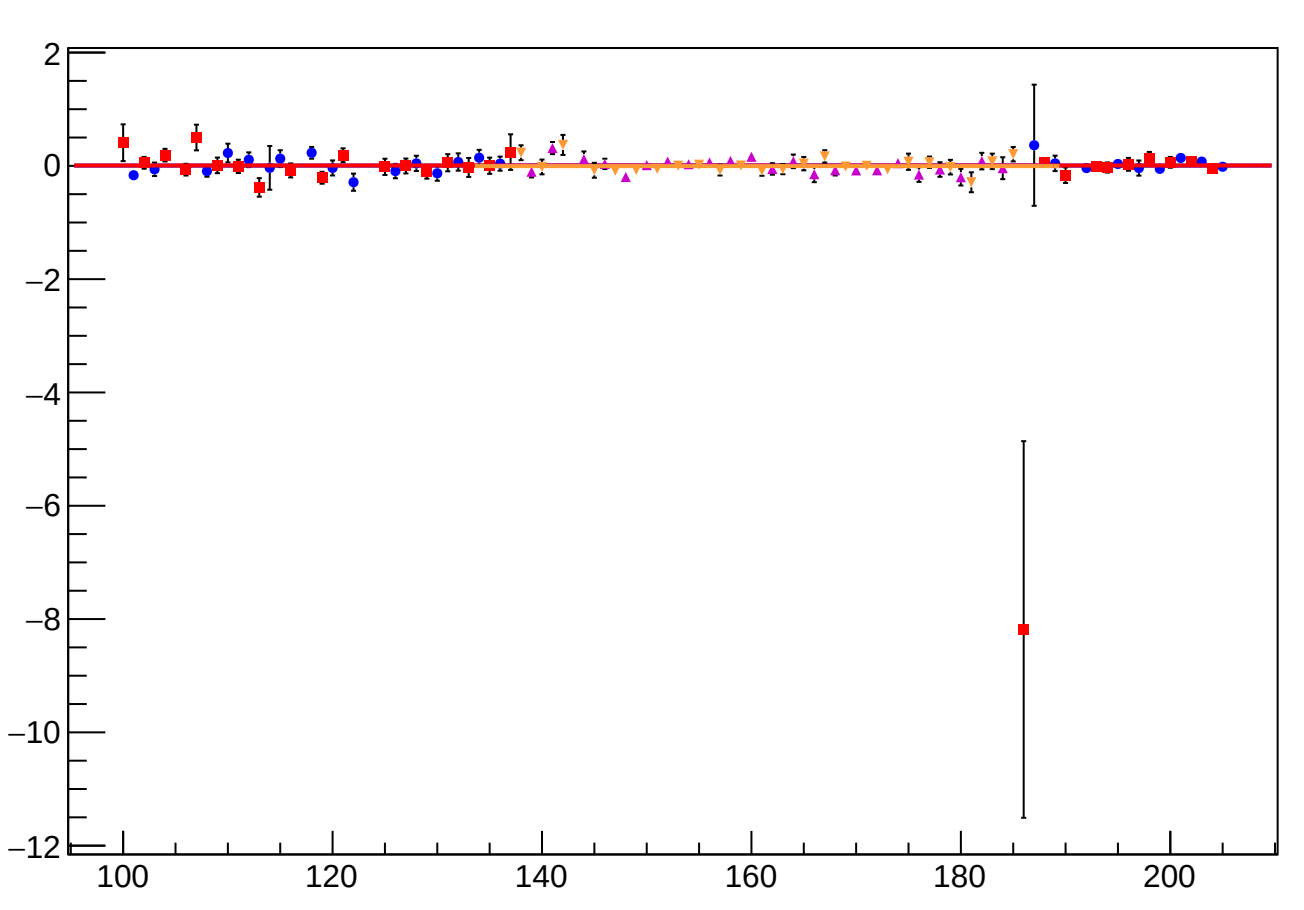
Left: 62.825+/-0.008 χ^2/NDF: 3370070.3/46

Right: 62.447+/-0.009 χ^2/NDF: 2349102.4/52

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

Out: 62.705+/-0.008 χ^2/NDF:3174977.8/51

All: 62.659+/-0.006 χ^2/NDF: 5720221.7/99



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

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

Right Out: 0.007+/-0.022 χ^2/NDF: 35.0/27

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

Left: -0.001+/-0.015 χ^2/NDF: 51.9/46

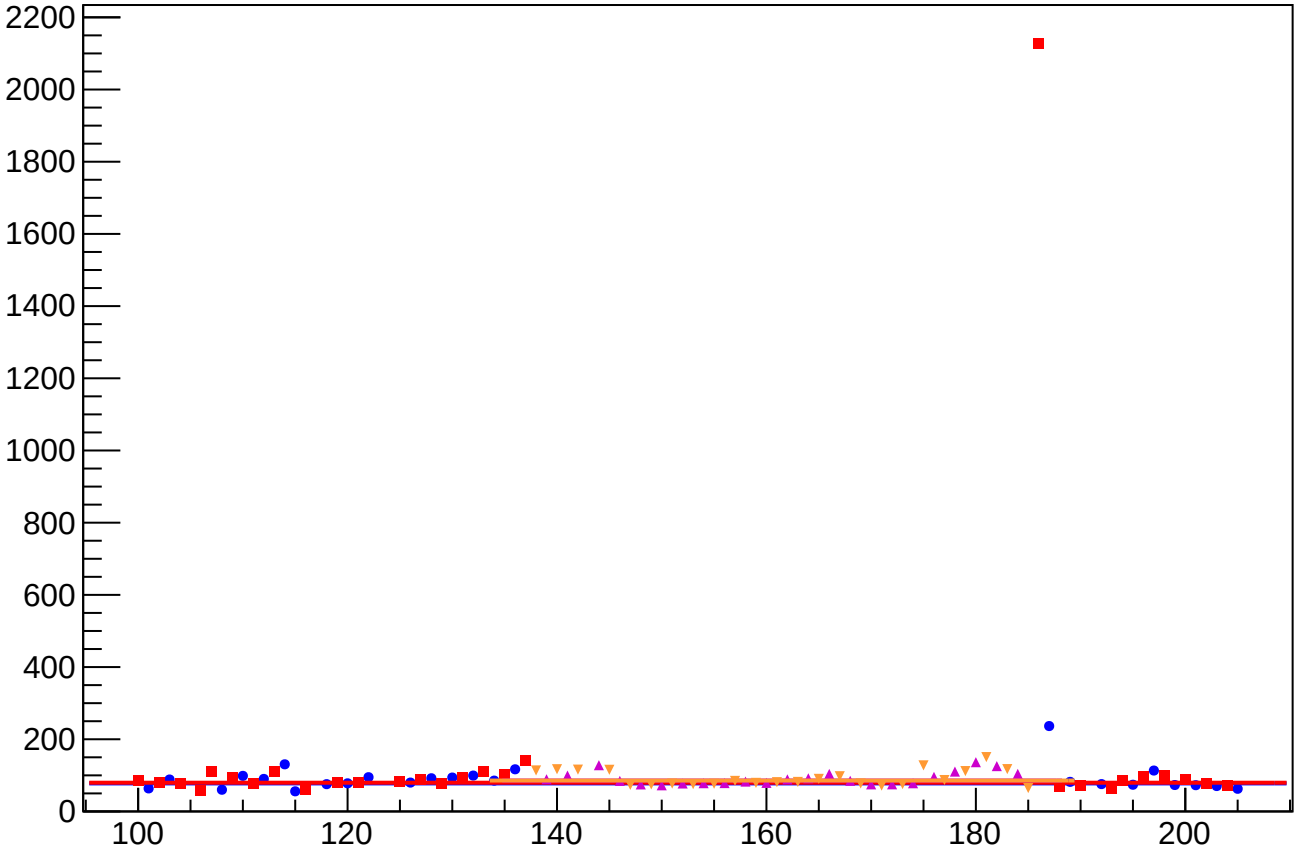
Right: 0.006+/-0.015 χ^2/NDF: 60.2/52

In: 0.003+/-0.015 χ^2/NDF:55.8/47

Out: 0.001+/-0.015 χ^2/NDF:56.4/51

All: 0.002+/-0.011 χ^2/NDF: 112.3/99

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 79.619+/-0.015 χ^2/NDF: 1560367.4/27

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

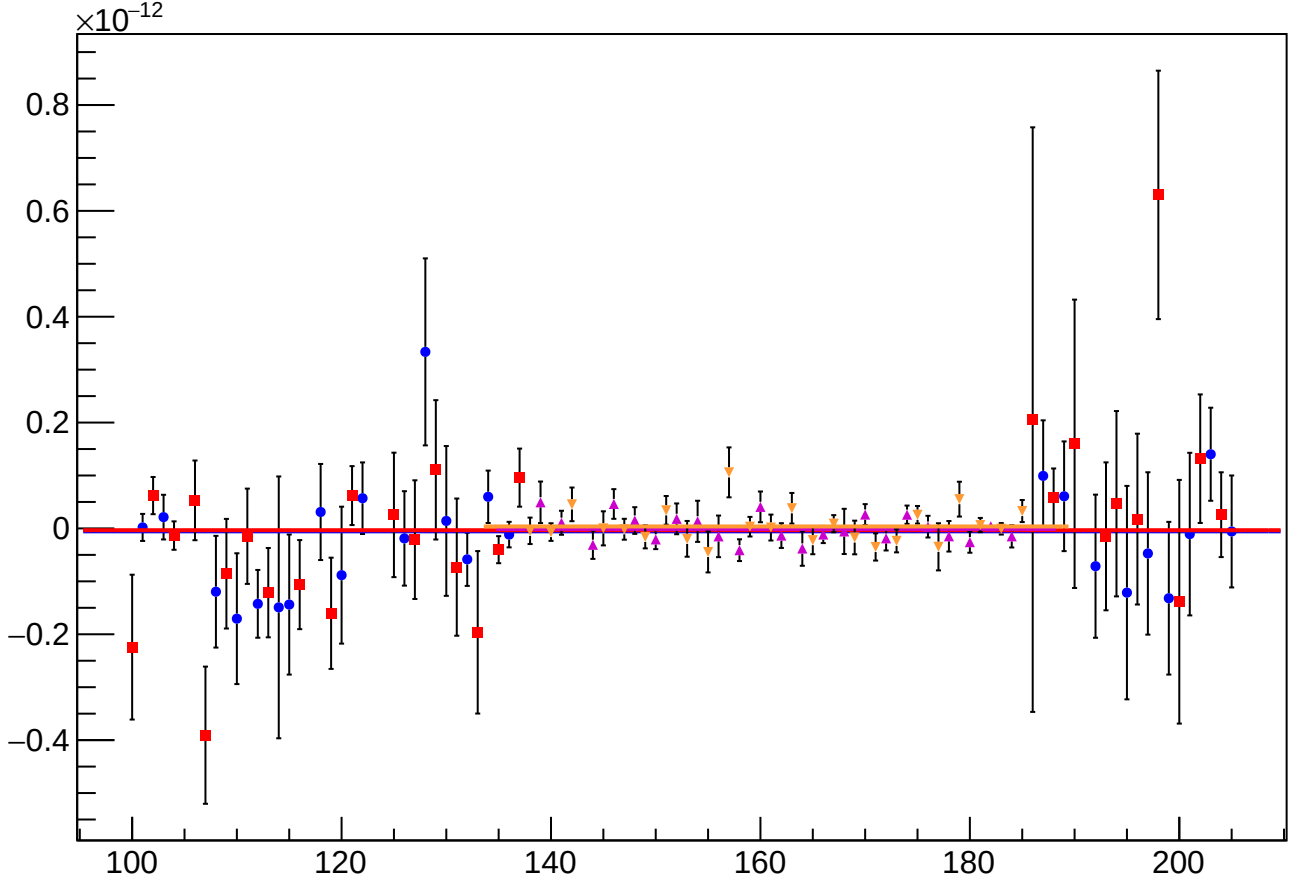
Left: 85.665+/-0.010 χ^2/NDF: 2348601.5/46

Right: 78.648+/-0.011 χ^2/NDF: 2472439.6/52

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

Out: 82.792+/-0.011 χ^2/NDF:2993739.8/51

All: 82.347+/-0.008 χ^2/NDF: 5038768.3/99



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

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

Right Out: -0.000+/-0.000 χ^2/NDF: 42.3/27

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

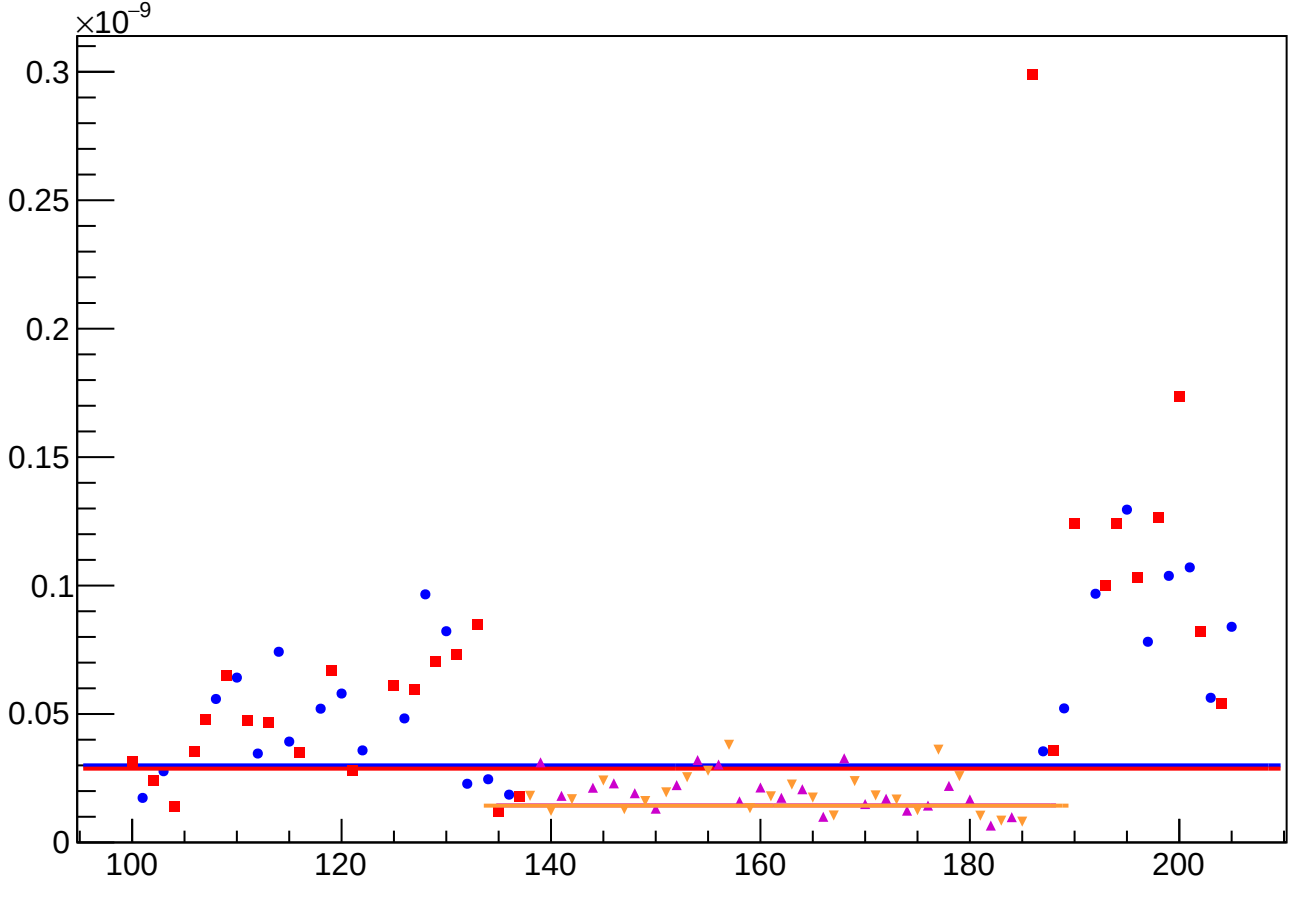
Left: 0.000+/-0.000 χ^2/NDF: 49.2/46

Right: -0.000+/-0.000 χ^2/NDF: 65.4/52

In: -0.000+/-0.000 χ^2/NDF:46.8/47

Out: 0.000+/-0.000 χ^2/NDF:67.6/51

All: 0.000+/-0.000 χ^2/NDF: 115.0/99



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 7351700.5/27

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

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

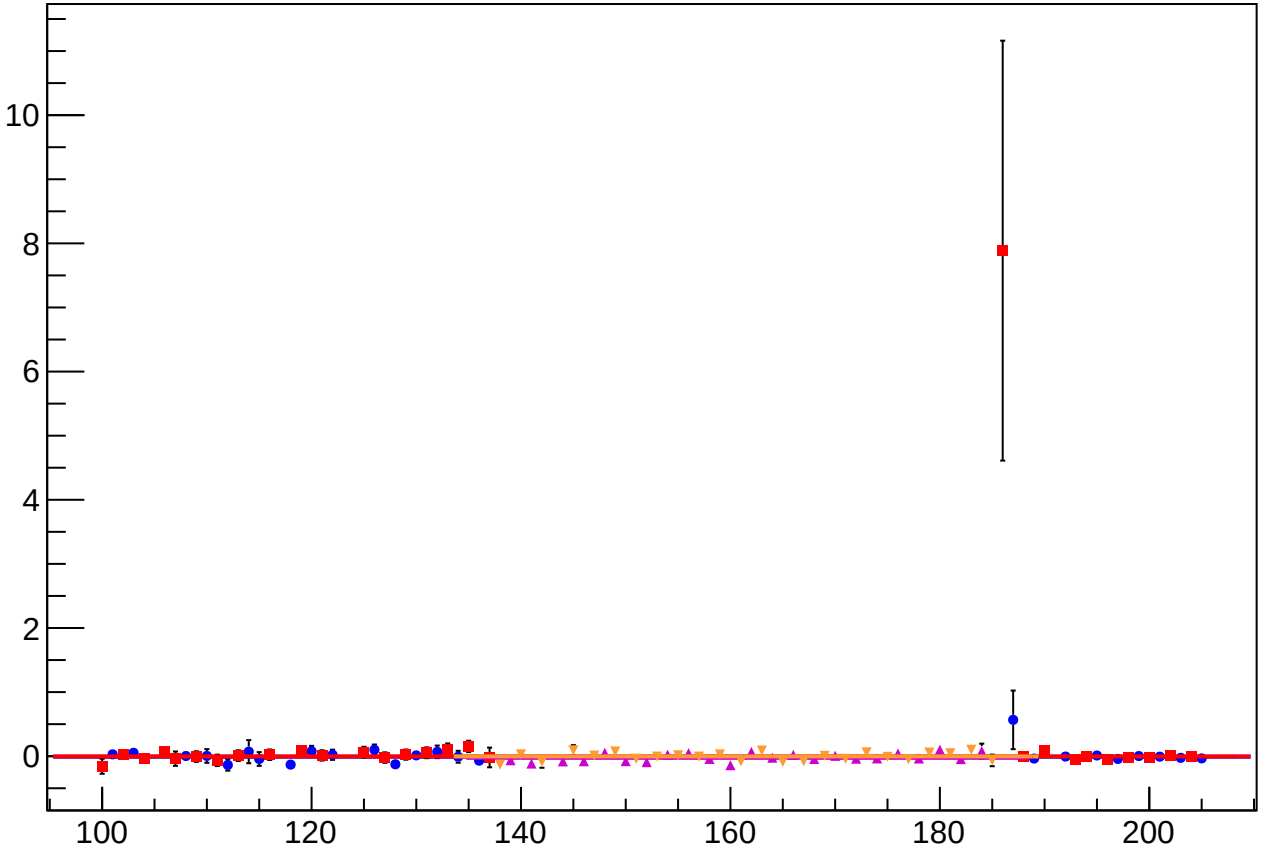
Right: 0.000+/-0.000 χ^2/NDF: 12589538.0/52

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

Out: 0.000+/-0.000 χ^2/NDF:13294461.6/51

All: 0.000+/-0.000 χ^2/NDF: 25510964.1/99

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.004+/-0.009 χ^2/NDF: 29.6/27

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

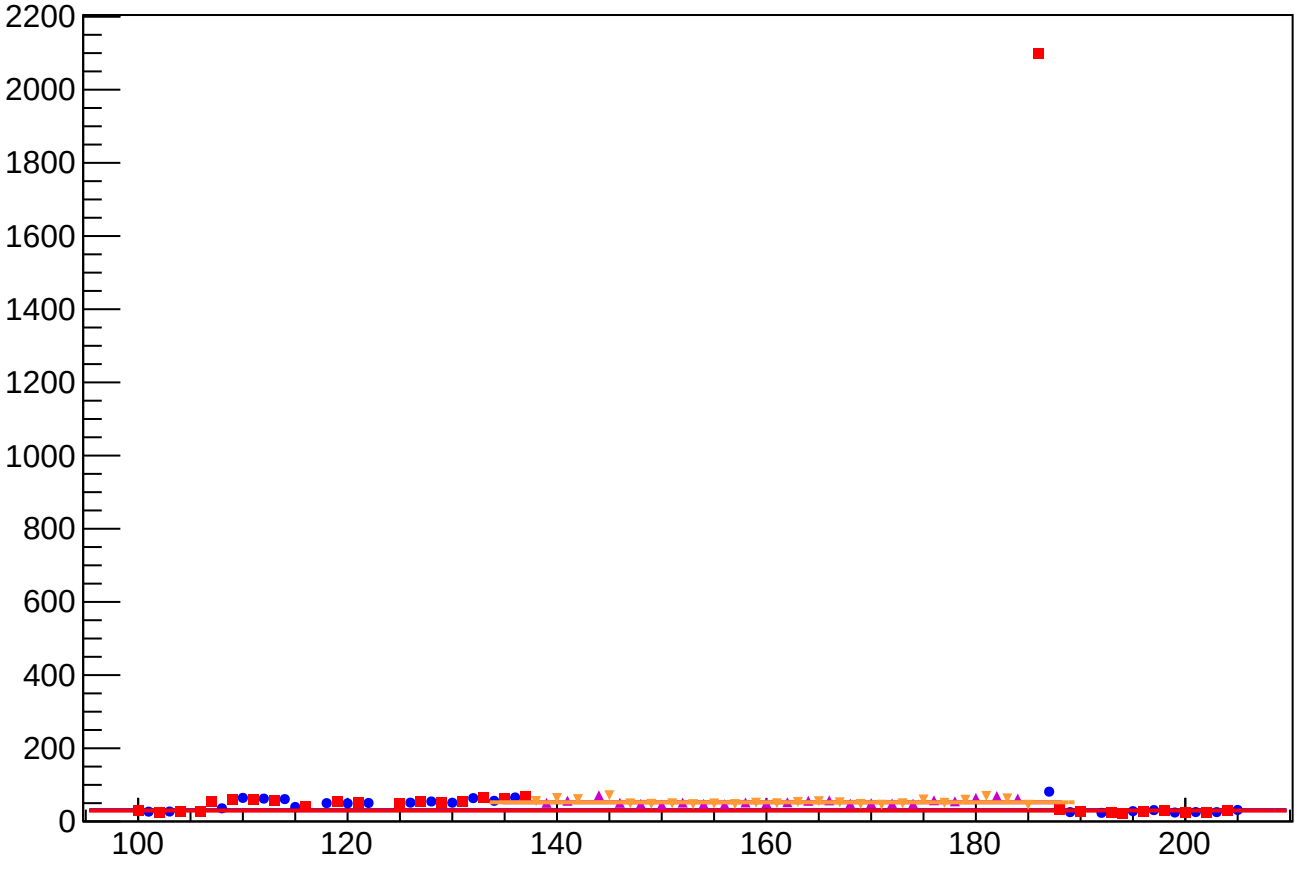
Right: -0.006+/-0.006 χ^2/NDF: 50.5/52

In: -0.014+/-0.007 χ^2/NDF:46.4/47

Out: -0.004+/-0.007 χ^2/NDF:52.7/51

All: -0.009+/-0.005 χ^2/NDF: 100.1/99

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 29.912+/-0.006 χ^2/NDF: 3796361.3/27

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

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

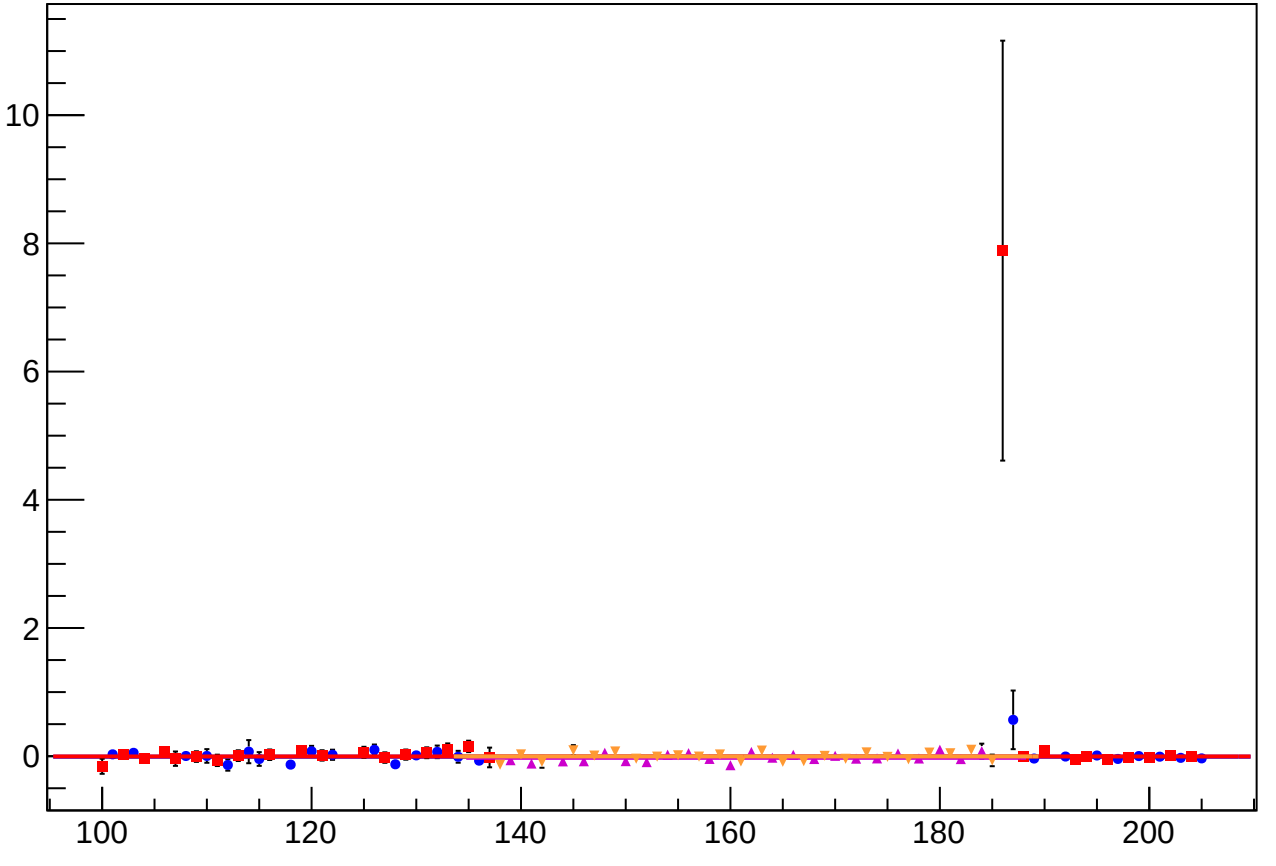
Right: 30.345+/-0.004 χ^2/NDF: 6602945.7/52

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

Out: 37.140+/-0.005 χ^2/NDF:8750238.6/51

All: 37.653+/-0.004 χ^2/NDF: 15964728.6/99

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.004+/-0.009 χ^2/NDF: 29.6/27

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

Left: -0.014+/-0.009 χ^2/NDF: 49.0/46

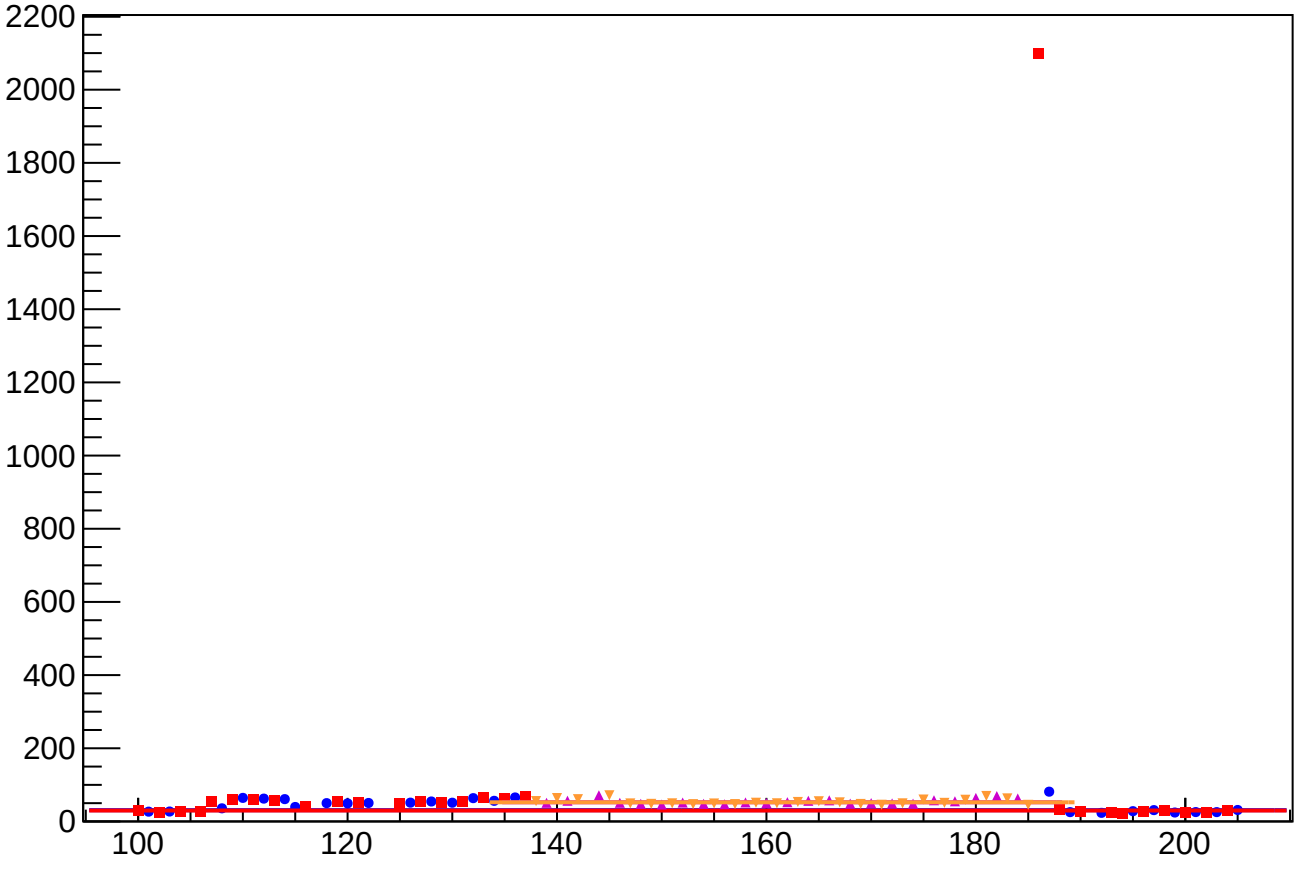
Right: -0.006+/-0.006 χ^2/NDF: 50.5/52

In: -0.014+/-0.007 χ^2/NDF:46.4/47

Out: -0.004+/-0.007 χ^2/NDF:52.7/51

All: -0.009+/-0.005 χ^2/NDF: 100.1/99

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 29.912+/-0.006 χ^2/NDF: 3796361.3/27

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

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

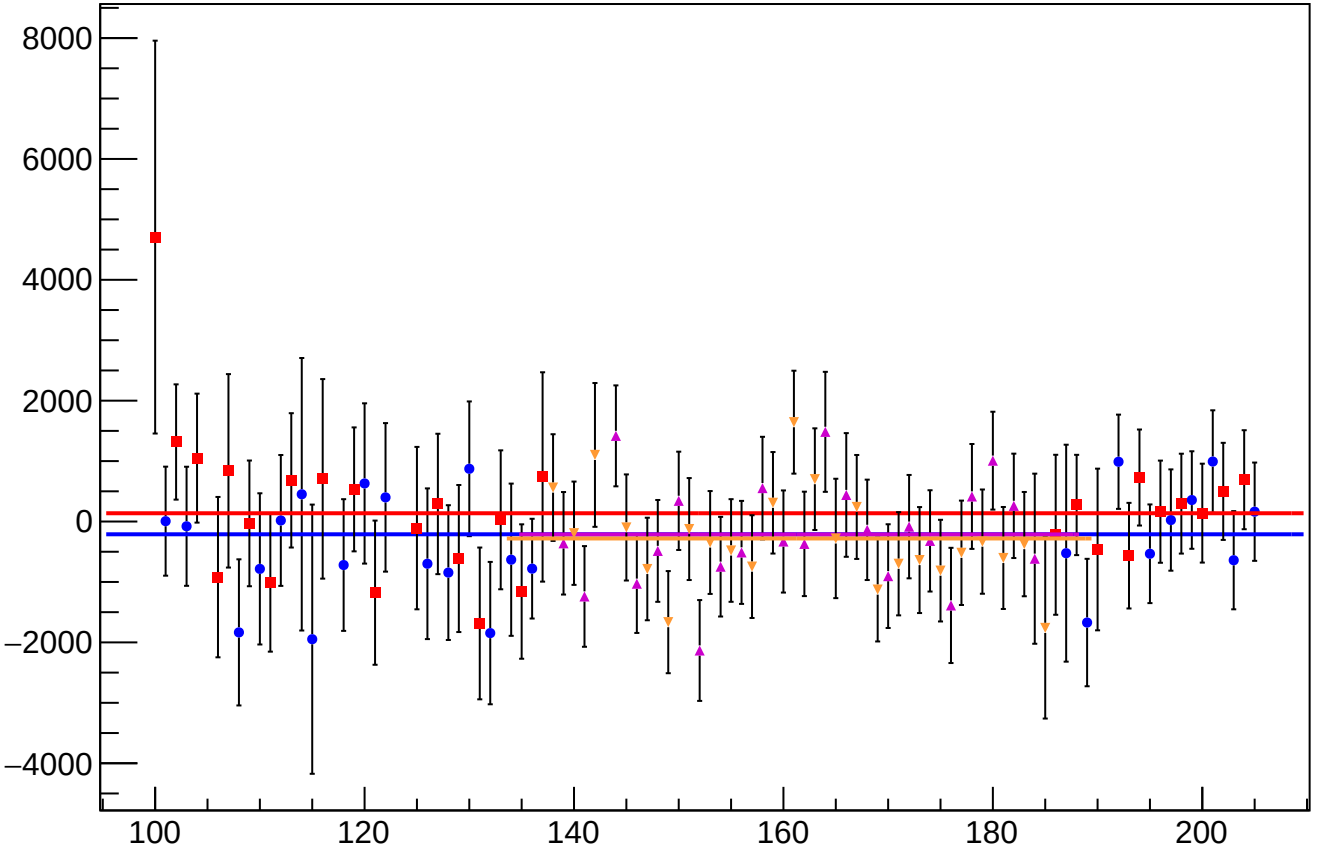
Right: 30.345+/-0.004 χ^2/NDF: 6602945.7/52

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

Out: 37.140+/-0.005 χ^2/NDF:8750238.6/51

All: 37.653+/-0.004 χ^2/NDF: 15964728.6/99

reg_asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: 137.052+/-200.313 χ^2/NDF: 14.0/27

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

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

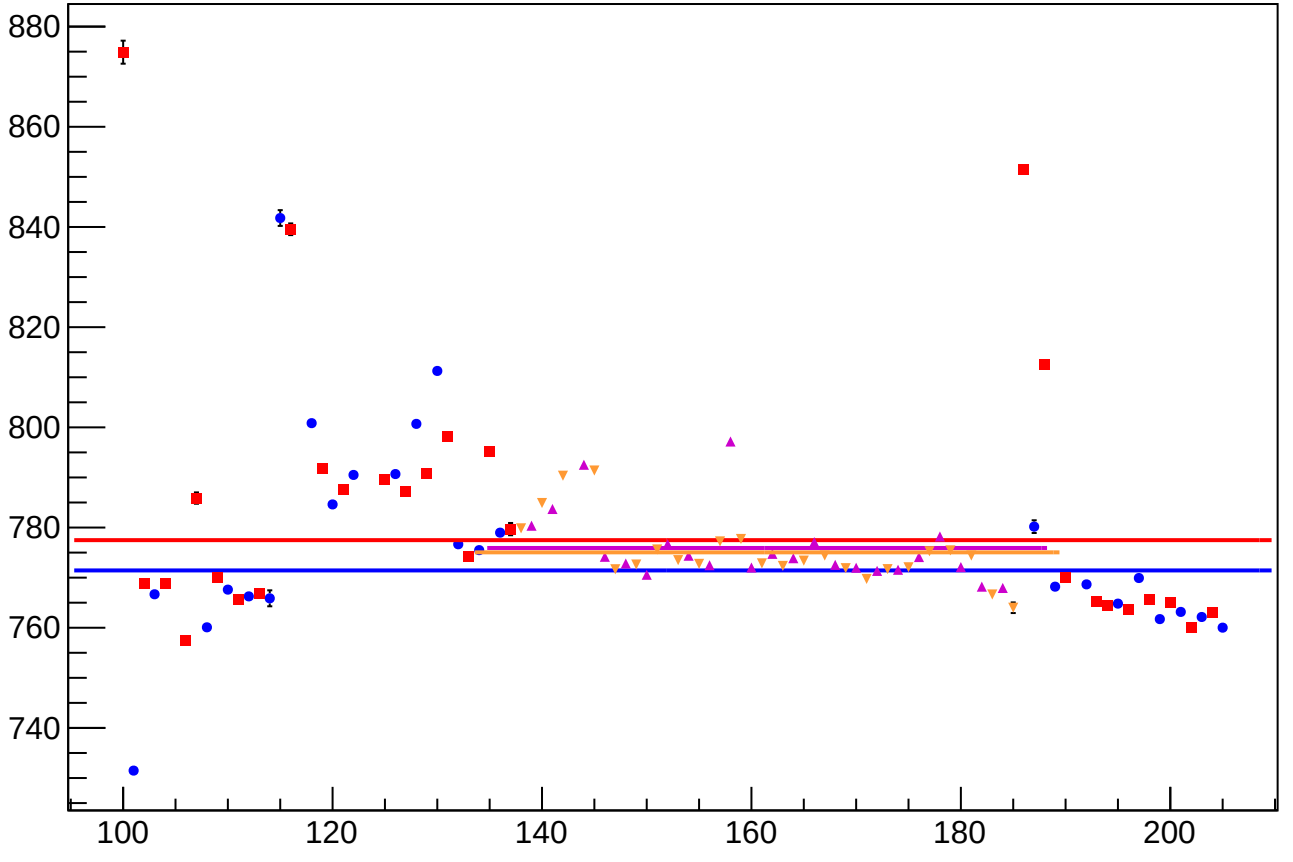
Right: -32.669+/-143.399 χ^2/NDF: 30.7/52

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

Out: -94.024+/-133.837 χ^2/NDF:32.5/51

All: -152.322+/-95.345 χ^2/NDF: 70.4/99

reg_asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

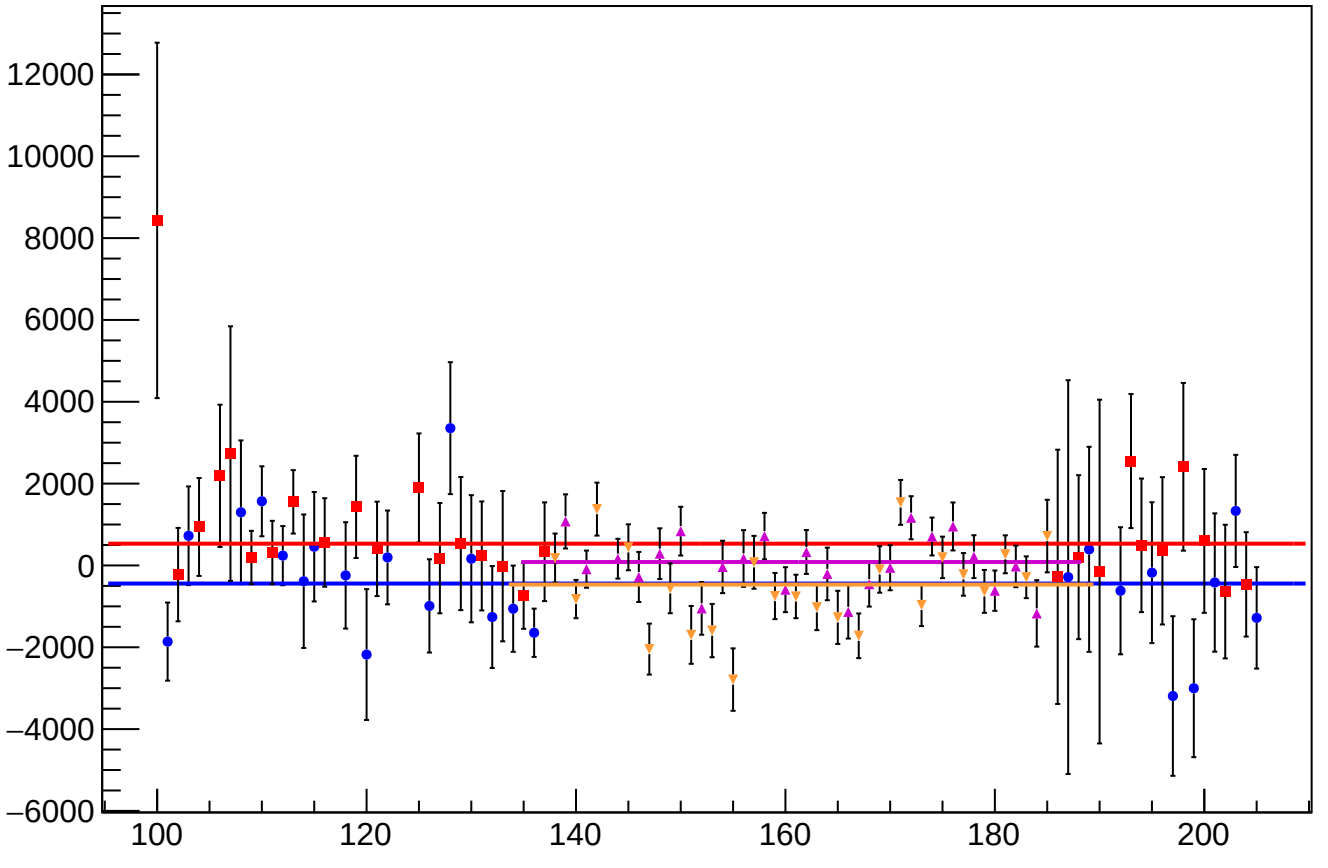
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 774.538+/-0.101 χ^2/NDF: 37138.9/52

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

Out: 776.137+/-0.095 χ^2/NDF:24012.5/51

All: 775.065+/-0.067 χ^2/NDF: 42134.8/99



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

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

Right Out: 531.809+/-239.155 χ^2/NDF: 15.3/27

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

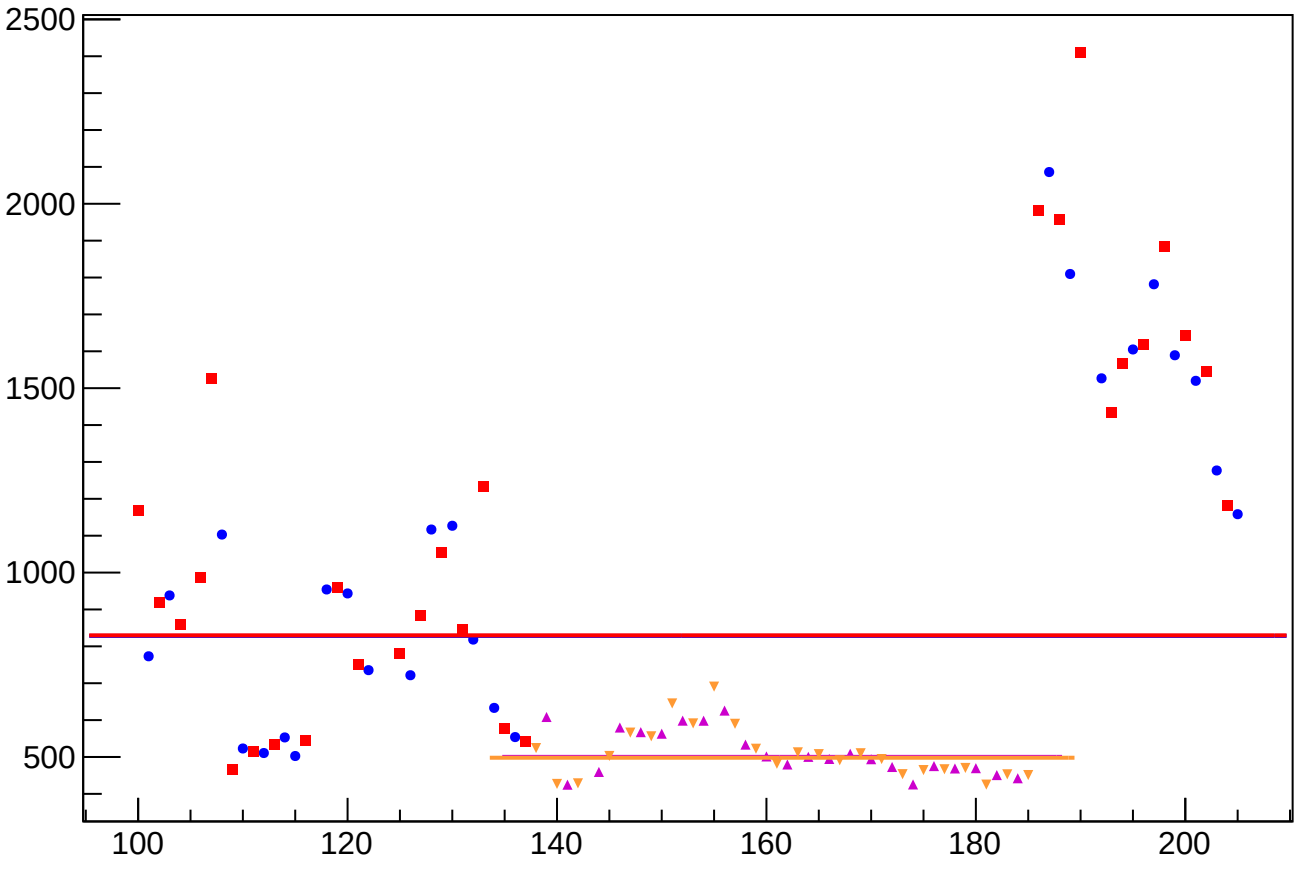
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 49.251+/-169.892 χ^2/NDF: 53.5/52

In: -17.937+/-105.872 χ^2/NDF:61.9/47

Out: -274.999+/-104.888 χ^2/NDF:93.8/51

All: -147.668+/-74.513 χ^2/NDF: 158.7/99



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

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

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

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

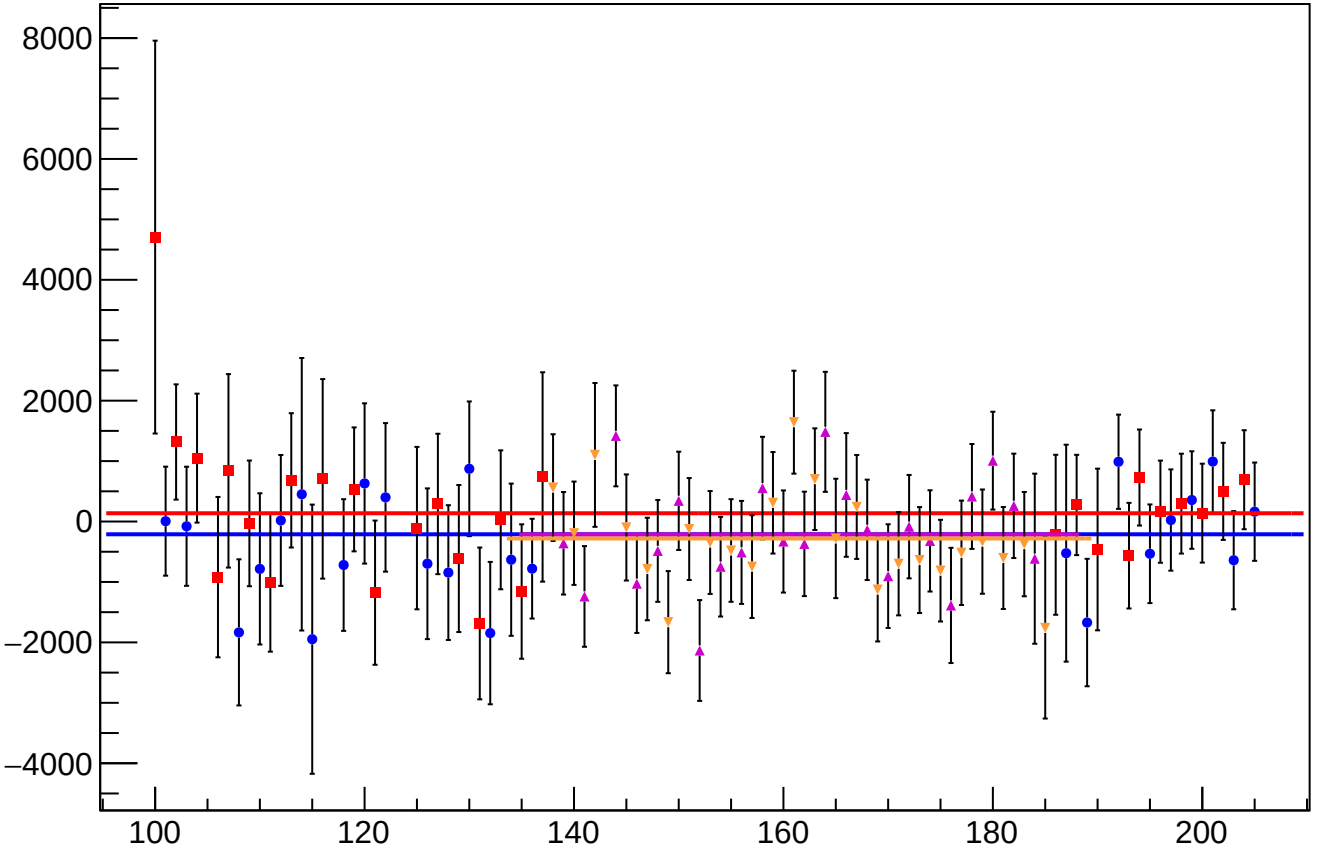
Right: 829.066+/-0.120 χ^2/NDF: 10170725.3/52

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

Out: 561.796+/-0.074 χ^2/NDF:9388124.8/51

All: 562.593+/-0.053 χ^2/NDF: 17267715.4/99

cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: 137.052+/-200.313 χ^2/NDF: 14.0/27

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

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

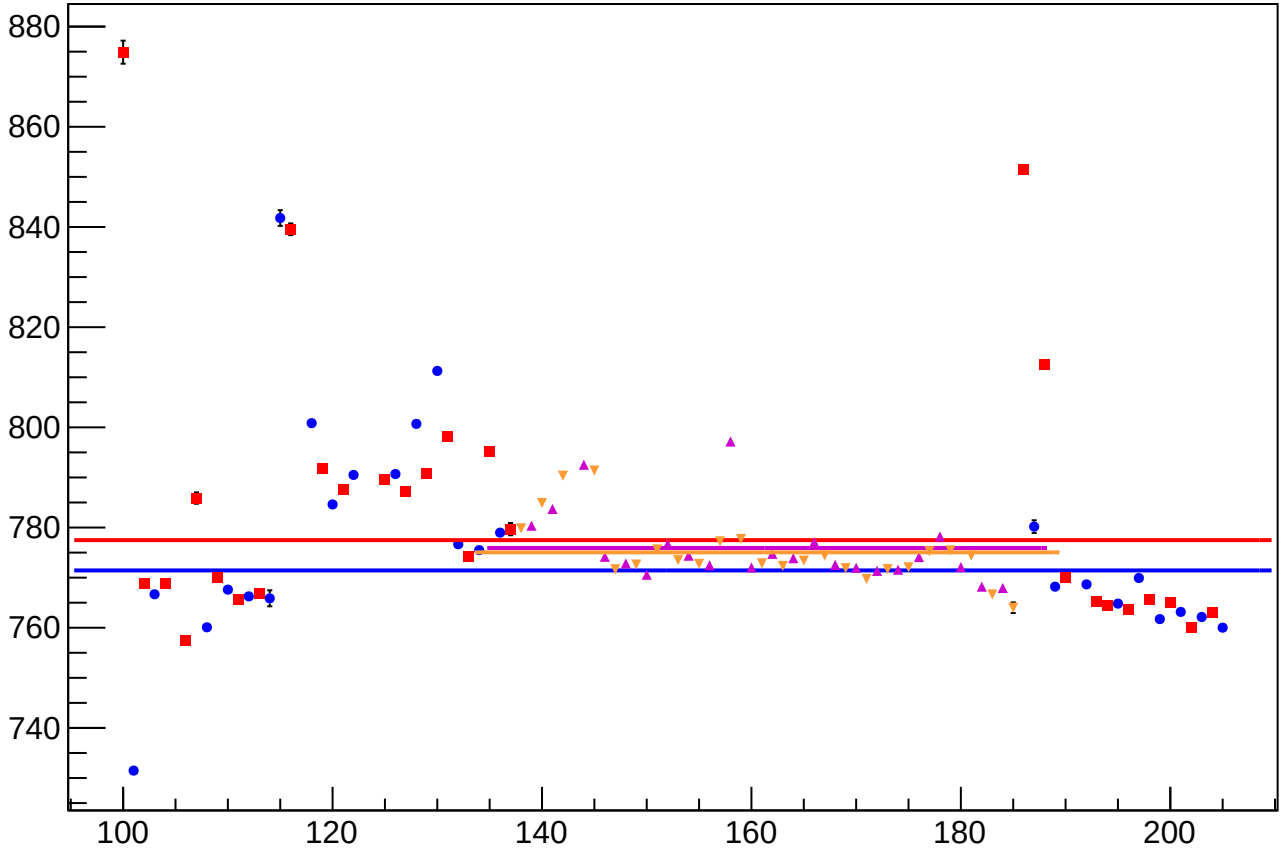
Right: -32.669+/-143.399 χ^2/NDF: 30.7/52

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

Out: -94.024+/-133.837 χ^2/NDF:32.5/51

All: -152.322+/-95.345 χ^2/NDF: 70.4/99

cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

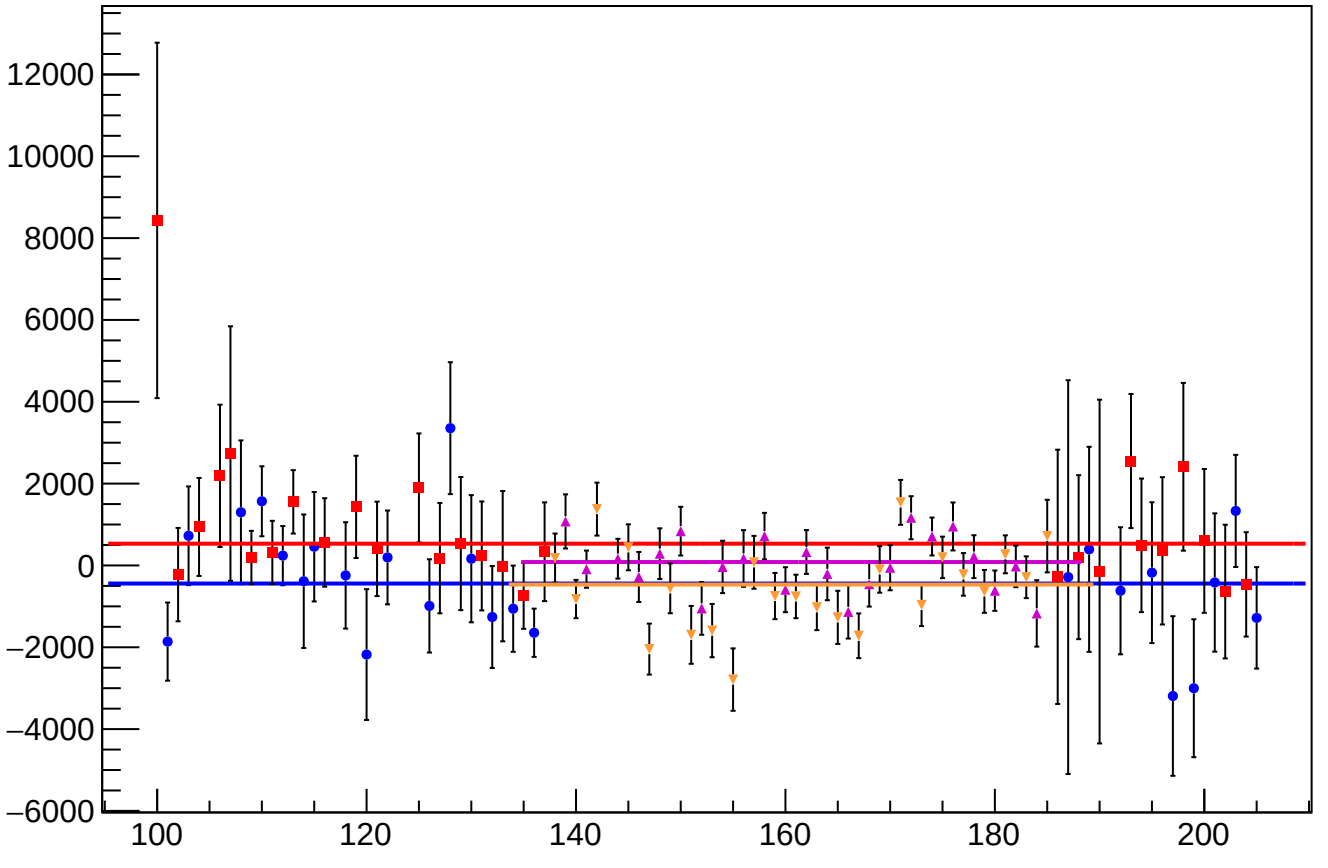
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 774.538+/-0.101 χ^2/NDF: 37138.9/52

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

Out: 776.137+/-0.095 χ^2/NDF:24012.5/51

All: 775.065+/-0.067 χ^2/NDF: 42134.8/99



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

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

Right Out: 531.809+/-239.155 χ^2/NDF: 15.3/27

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

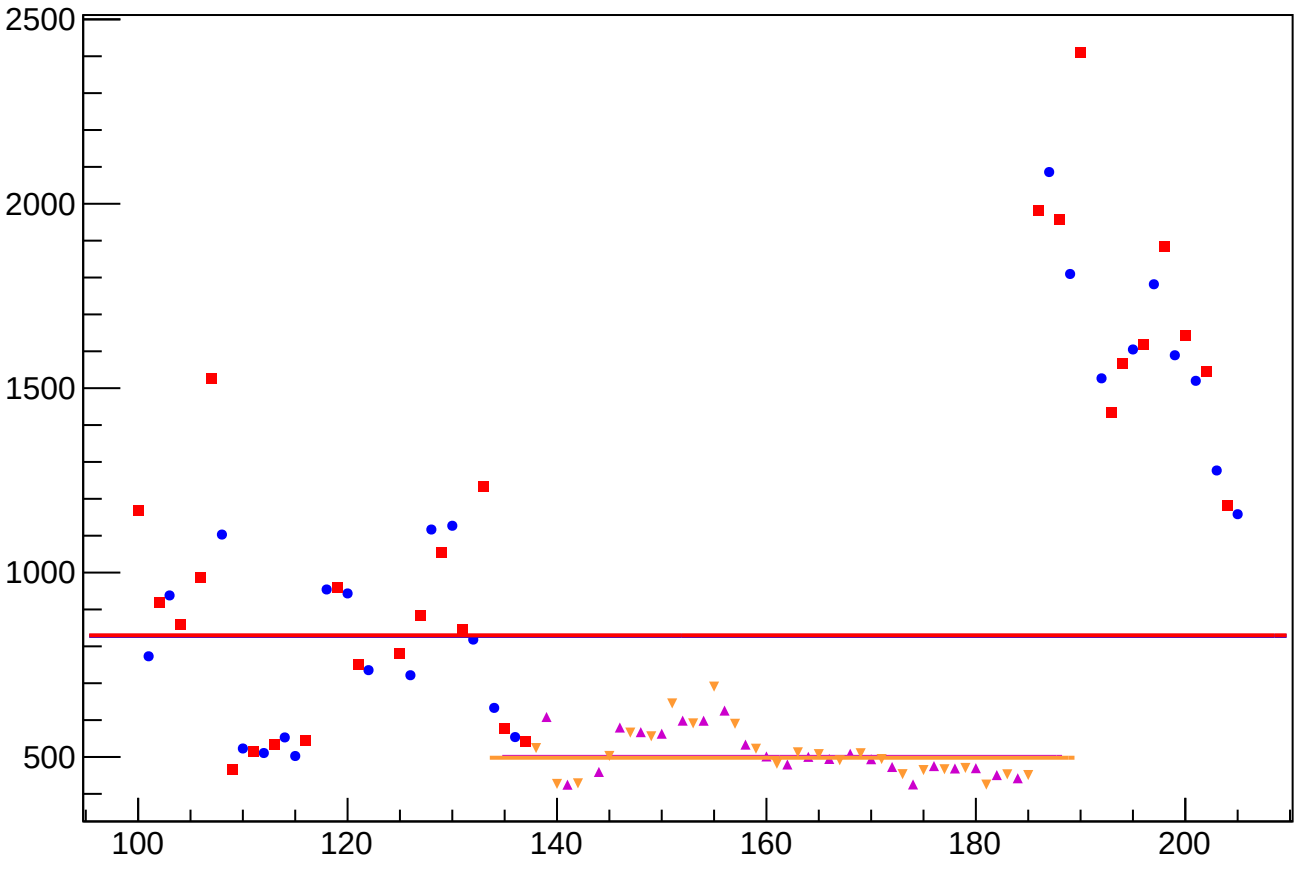
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 49.251+/-169.892 χ^2/NDF: 53.5/52

In: -17.937+/-105.872 χ^2/NDF:61.9/47

Out: -274.999+/-104.888 χ^2/NDF:93.8/51

All: -147.668+/-74.513 χ^2/NDF: 158.7/99



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

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

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

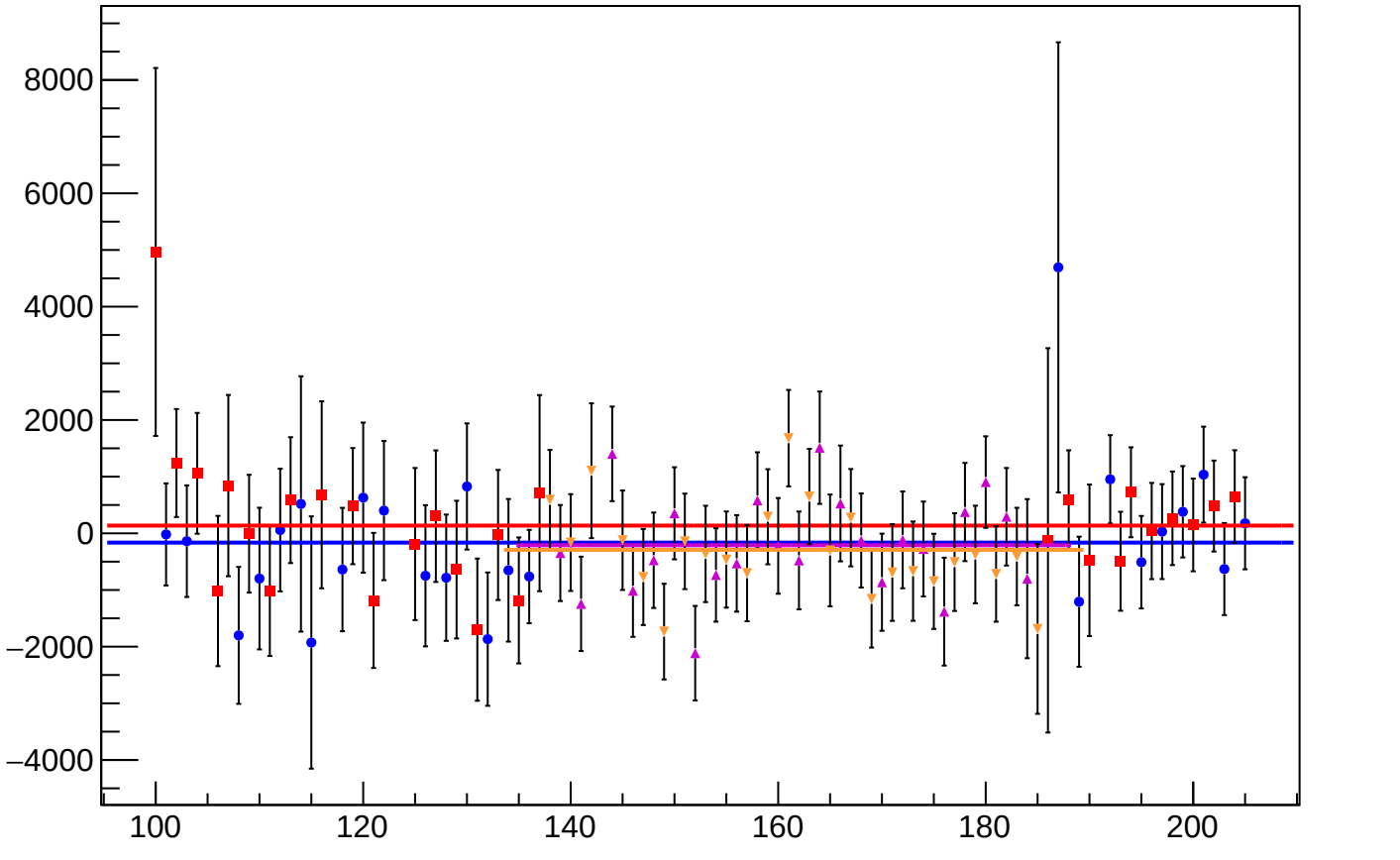
Left: 499.125+/-0.059 χ^2/NDF: 1004780.2/46

Right: 829.066+/-0.120 χ^2/NDF: 10170725.3/52

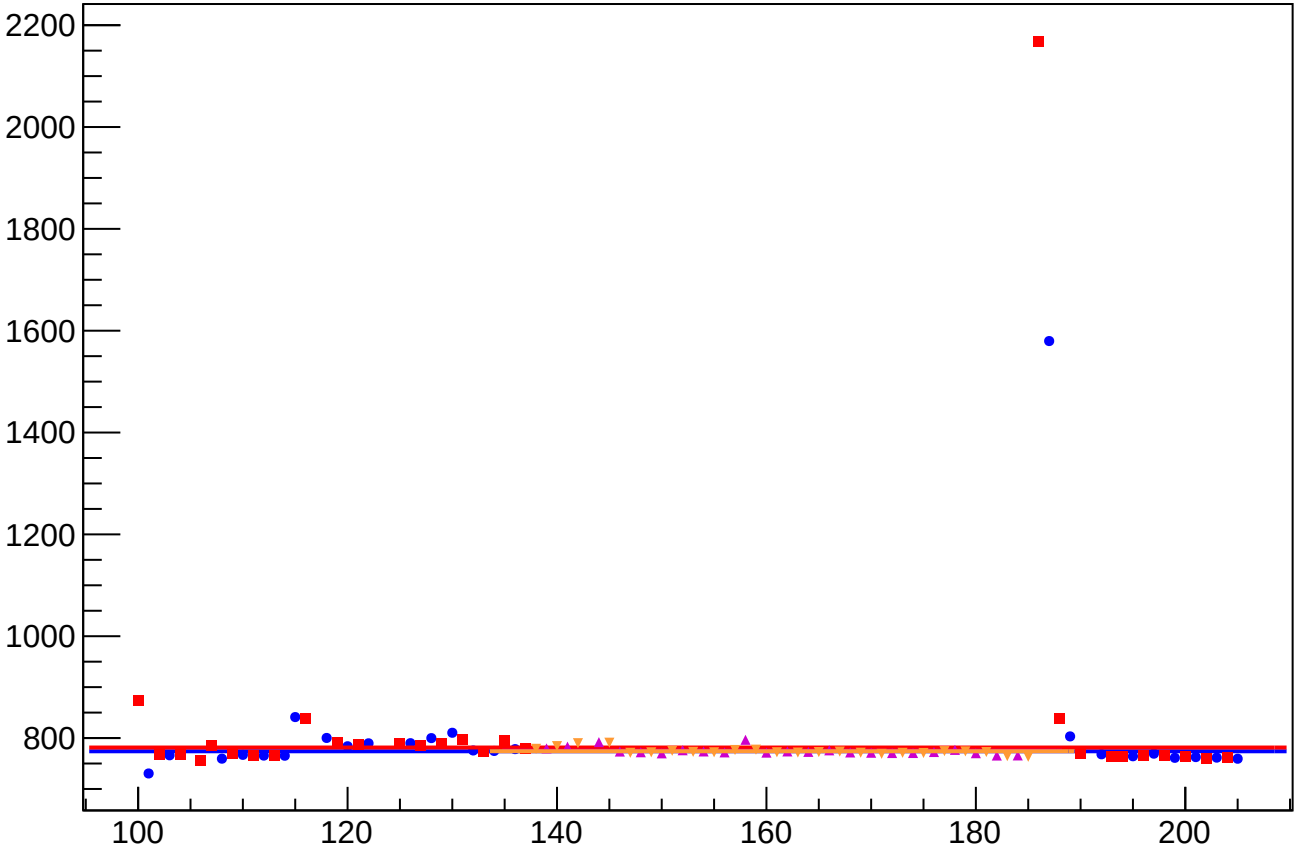
In: 563.404+/-0.075 χ^2/NDF:7879357.7/47

Out: 561.796+/-0.074 χ^2/NDF:9388124.8/51

All: 562.593+/-0.053 χ^2/NDF: 17267715.4/99


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: -163.914+/-206.898 χ²/NDF: 15.3/24
Left Out: -292.036+/-179.670 χ²/NDF:16.6/23
Right Out: 136.658+/-202.777 χ²/NDF: 14.2/27
Left In: -211.238+/-180.951 χ²/NDF:22.1/22
Left: -251.924+/-127.496 χ²/NDF: 38.8/46
Right: -10.605+/-144.820 χ²/NDF: 30.6/52
In: -190.728+/-136.207 χ²/NDF:37.5/47
Out: -103.496+/-134.477 χ²/NDF:33.4/51
All: -146.554+/-95.695 χ²/NDF: 71.0/99

overload_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 781.402+/-0.143 χ^2/NDF: 356927.4/27

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

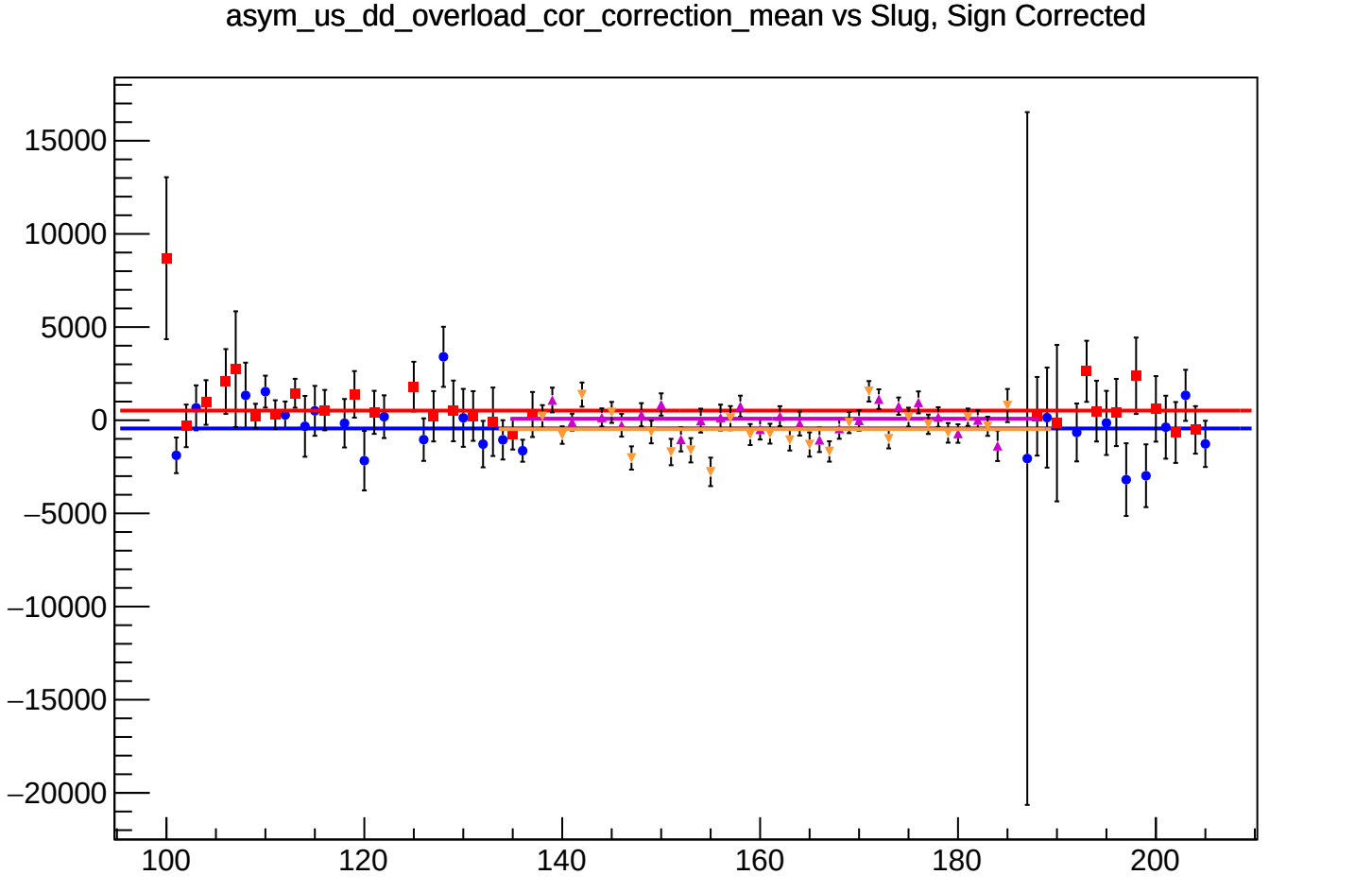
Left: 774.563+/-0.090 χ^2/NDF: 5230.7/46

Right: 777.789+/-0.102 χ^2/NDF: 456574.5/52

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

Out: 777.335+/-0.095 χ^2/NDF:360424.0/51

All: 775.971+/-0.068 χ^2/NDF: 462364.4/99



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

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

Right Out: 517.670+/-240.351 χ^2/NDF: 15.1/26

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

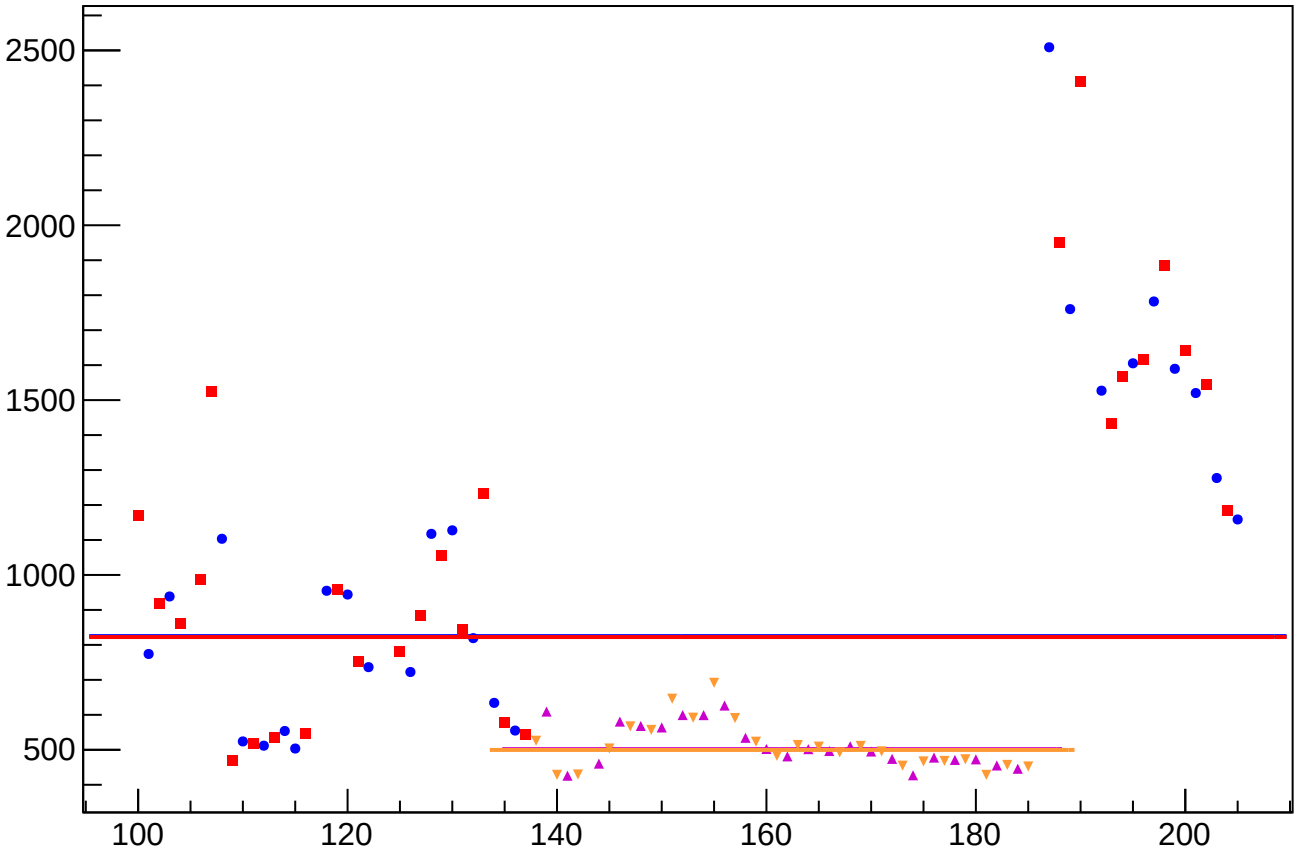
Left: -201.704+/-83.183 χ^2/NDF: 103.3/46

Right: 41.798+/-170.574 χ^2/NDF: 52.9/51

In: -17.701+/-106.214 χ^2/NDF:62.0/47

Out: -289.699+/-105.265 χ^2/NDF:92.6/50

All: -154.921+/-74.767 χ^2/NDF: 157.8/98



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

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

Right Out: 822.474+/-0.170 χ^2/NDF: 5384088.2/26

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

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

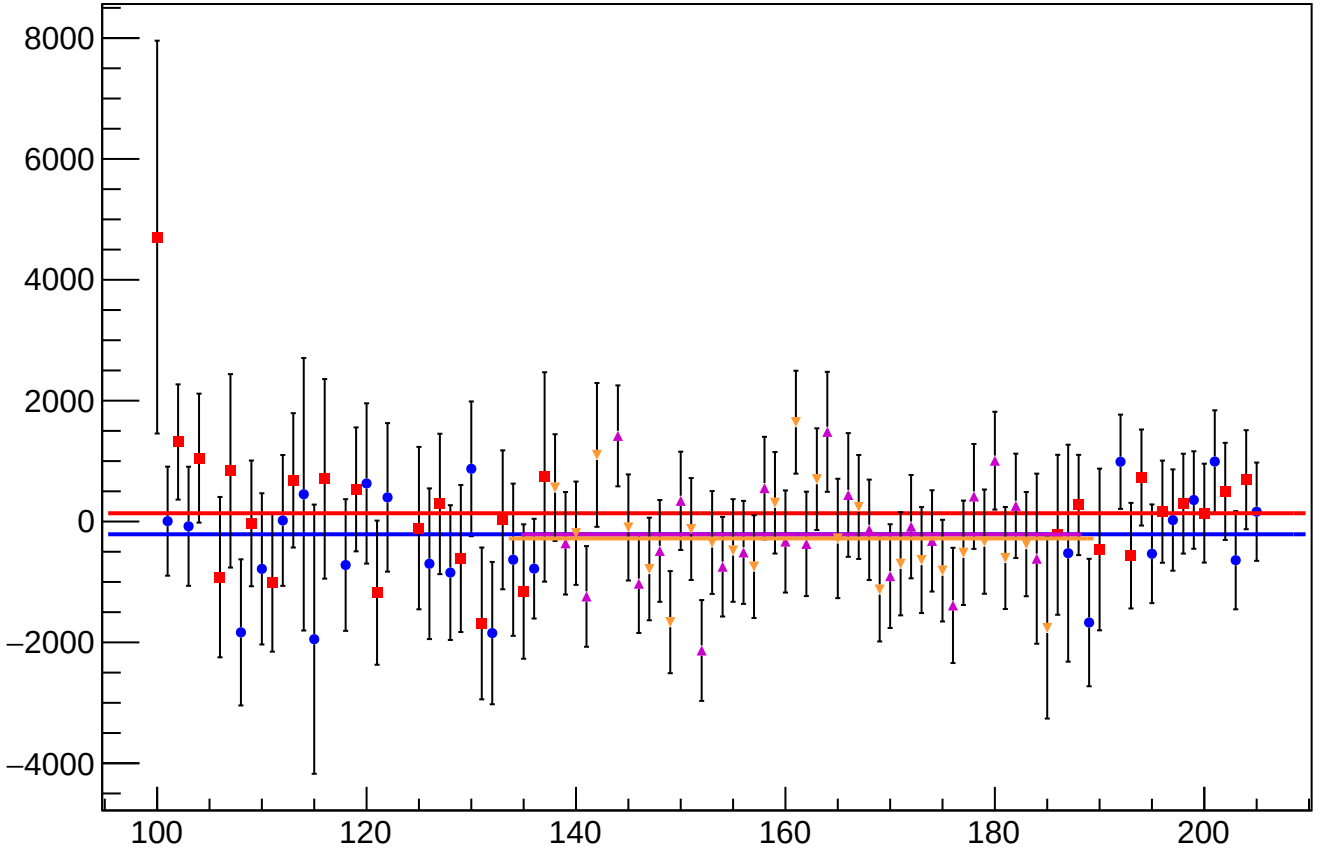
Right: 823.771+/-0.121 χ^2/NDF: 9604281.5/51

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

Out: 561.587+/-0.074 χ^2/NDF:8816009.2/50

All: 562.881+/-0.053 χ^2/NDF: 16379727.8/98

eigen_cor_asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: 137.052+/-200.313 χ^2/NDF: 14.0/27

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

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

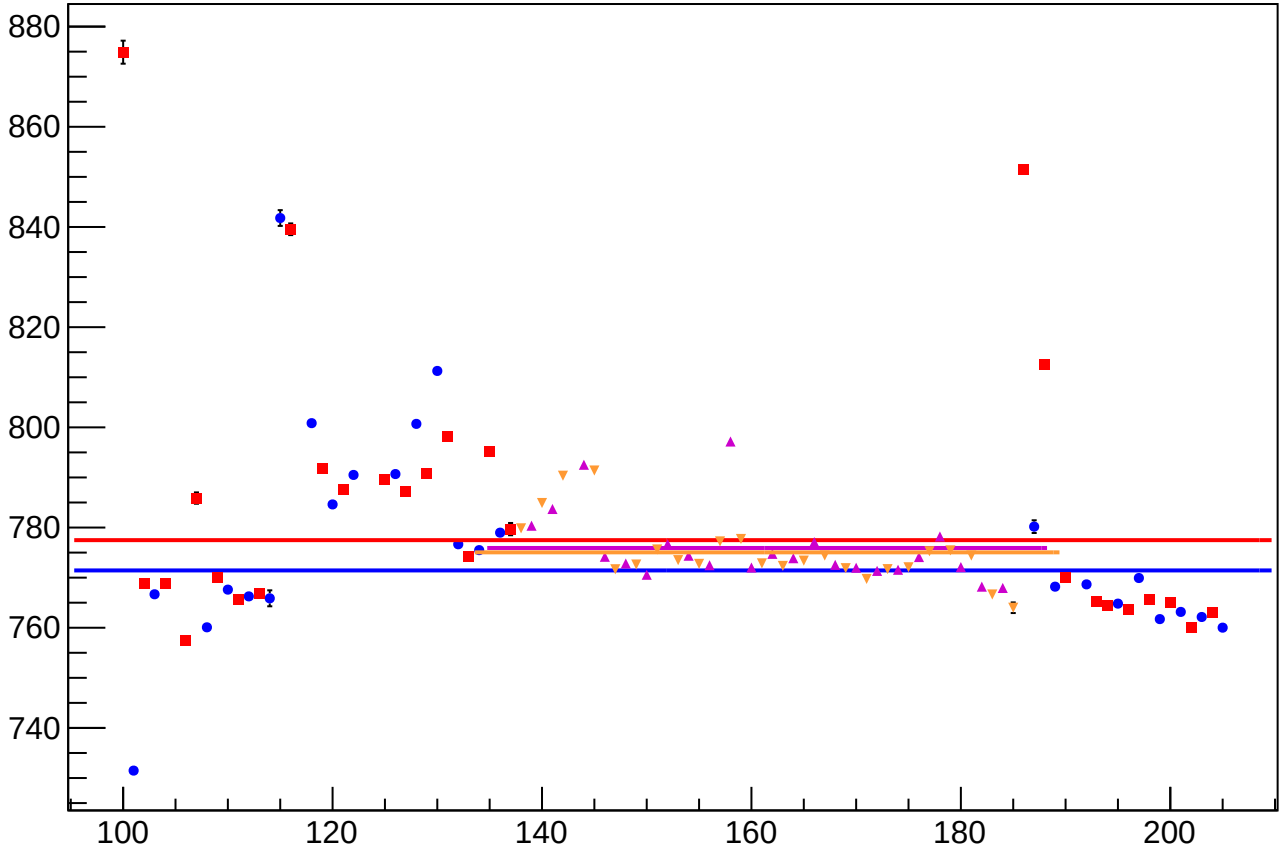
Right: -32.669+/-143.399 χ^2/NDF: 30.7/52

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

Out: -94.024+/-133.837 χ^2/NDF:32.5/51

All: -152.322+/-95.345 χ^2/NDF: 70.4/99

eigen_cor_asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 777.485+/-0.142 χ^2/NDF: 21897.5/27

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

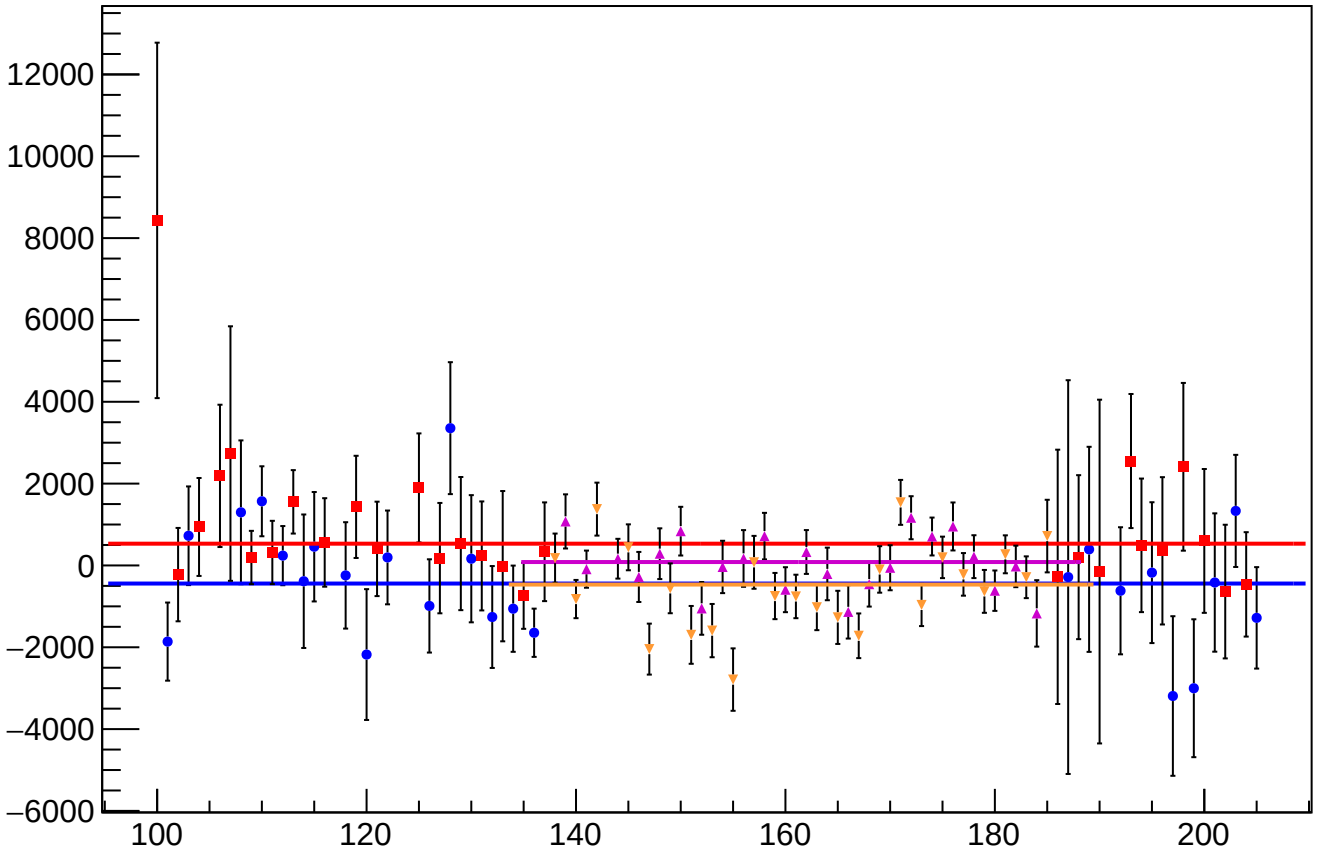
Left: 775.483+/-0.090 χ^2/NDF: 4947.6/46

Right: 774.538+/-0.101 χ^2/NDF: 37138.9/52

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

Out: 776.137+/-0.095 χ^2/NDF:24012.5/51

All: 775.065+/-0.067 χ^2/NDF: 42134.8/99



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

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

Right Out: 531.809+/-239.155 χ^2/NDF: 15.3/27

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

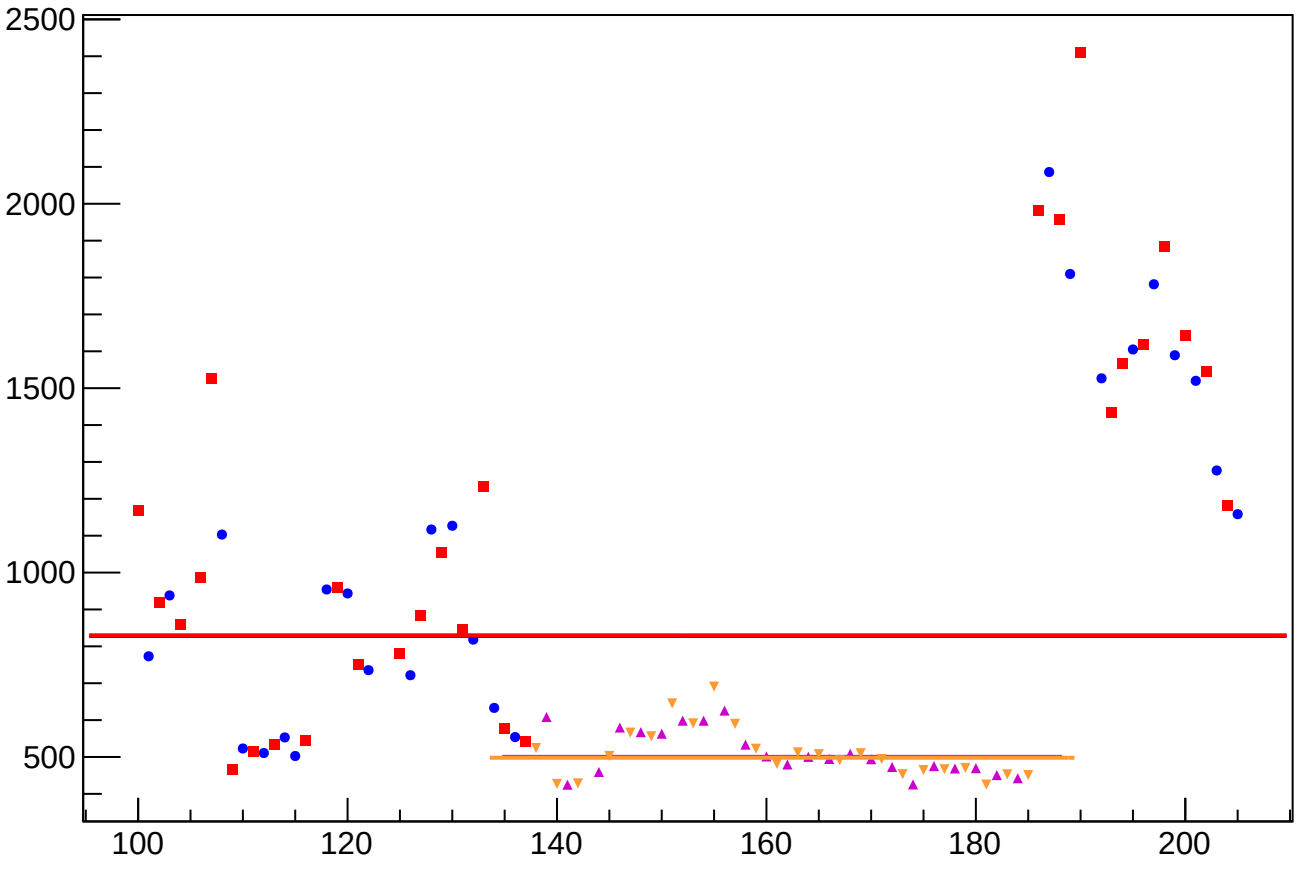
Left: -194.569+/-82.913 χ^2/NDF: 103.6/46

Right: 49.251+/-169.892 χ^2/NDF: 53.5/52

In: -17.937+/-105.872 χ^2/NDF:61.9/47

Out: -274.999+/-104.888 χ^2/NDF:93.8/51

All: -147.668+/-74.513 χ^2/NDF: 158.7/99



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

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

Right Out: 829.807+/-0.169 χ^2/NDF: 5751184.0/27

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

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

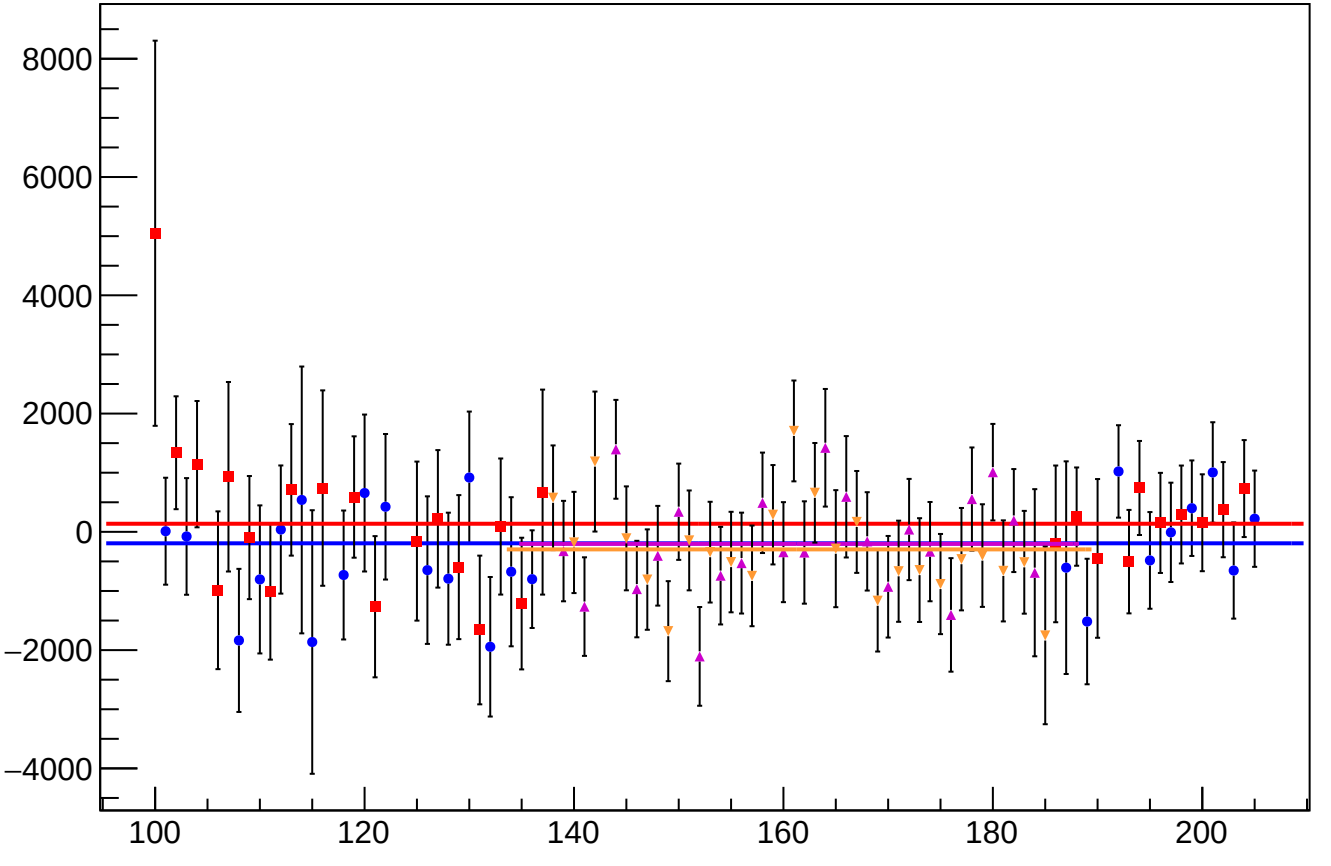
Right: 829.066+/-0.120 χ^2/NDF: 10170725.3/52

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

Out: 561.796+/-0.074 χ^2/NDF:9388124.8/51

All: 562.593+/-0.053 χ^2/NDF: 17267715.4/99

dit_asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: 136.897+/-200.551 χ^2/NDF: 14.8/27

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

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

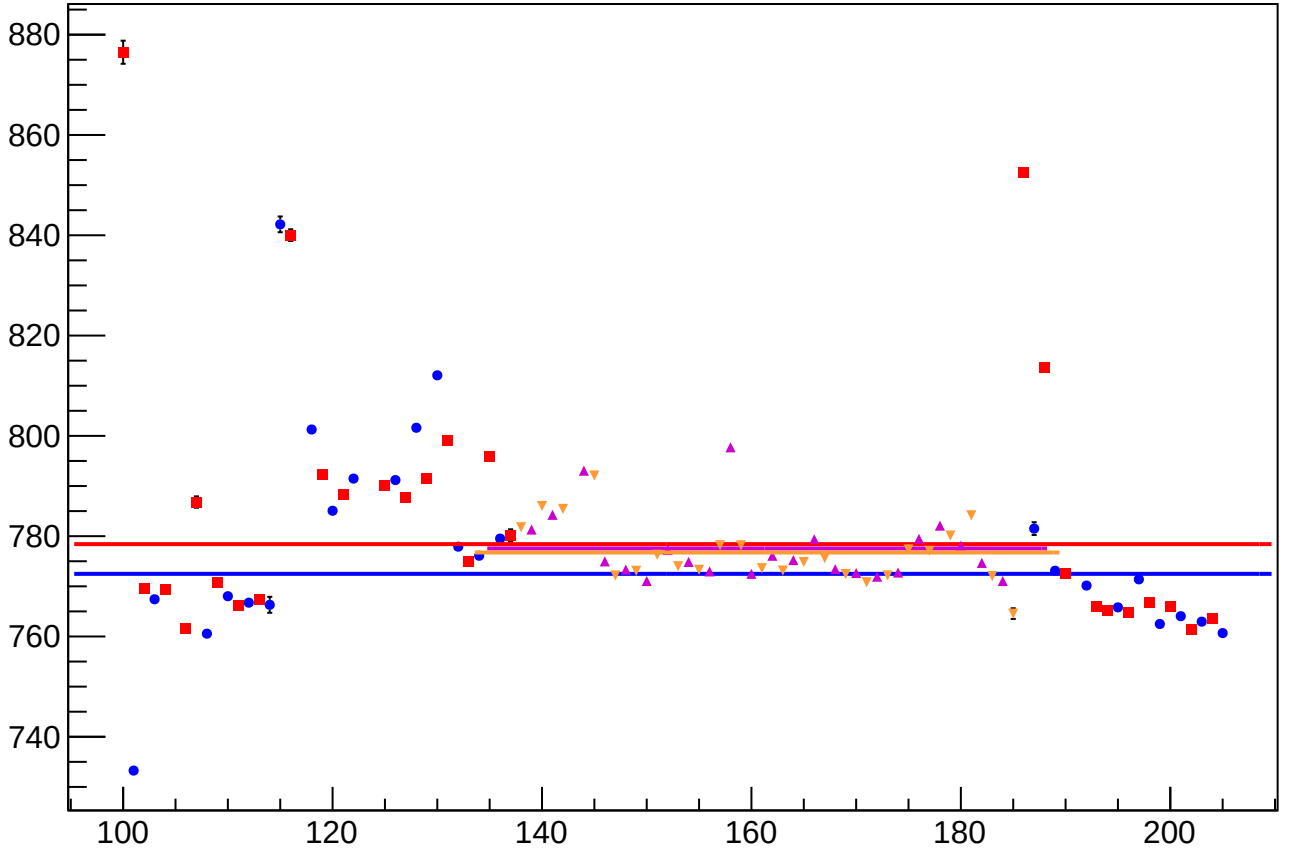
Right: -24.310+/-143.581 χ^2/NDF: 31.5/52

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

Out: -102.955+/-134.073 χ^2/NDF:34.1/51

All: -150.341+/-95.513 χ^2/NDF: 71.8/99

dit_asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 778.414+/-0.142 χ^2/NDF: 21670.8/27

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

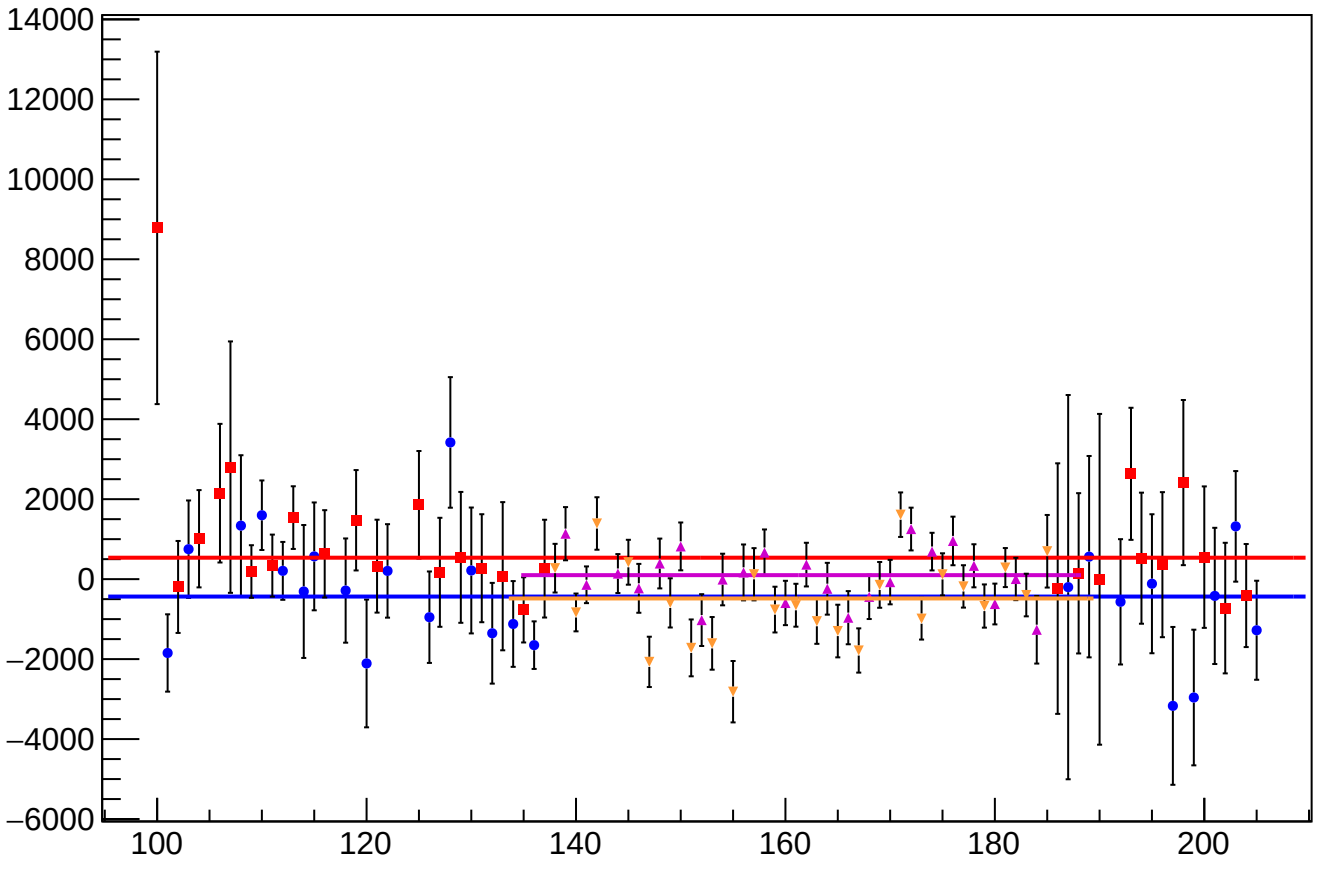
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 775.526+/-0.102 χ^2/NDF: 36573.9/52

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

Out: 777.494+/-0.095 χ^2/NDF:23573.1/51

All: 776.430+/-0.068 χ^2/NDF: 41312.7/99



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

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

Right Out: 536.304+/-241.166 χ^2/NDF: 15.5/27

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

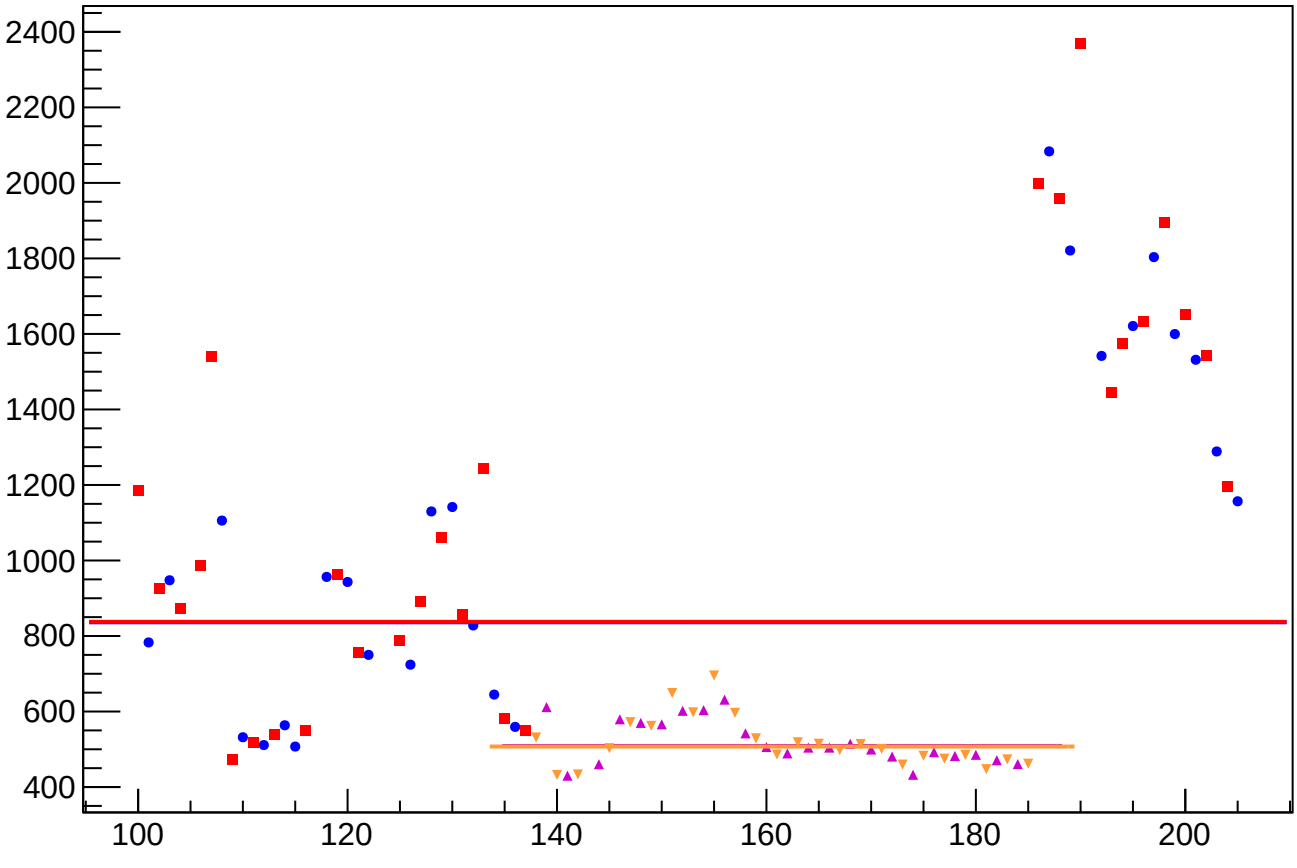
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 55.321+/-171.388 χ^2/NDF: 53.3/52

In: -4.115+/-107.415 χ^2/NDF:61.1/47

Out: -283.849+/-106.575 χ^2/NDF:95.0/51

All: -145.079+/-75.655 χ^2/NDF: 159.5/99



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

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

Right Out: 837.543+/-0.171 χ^2/NDF: 5712511.1/27

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

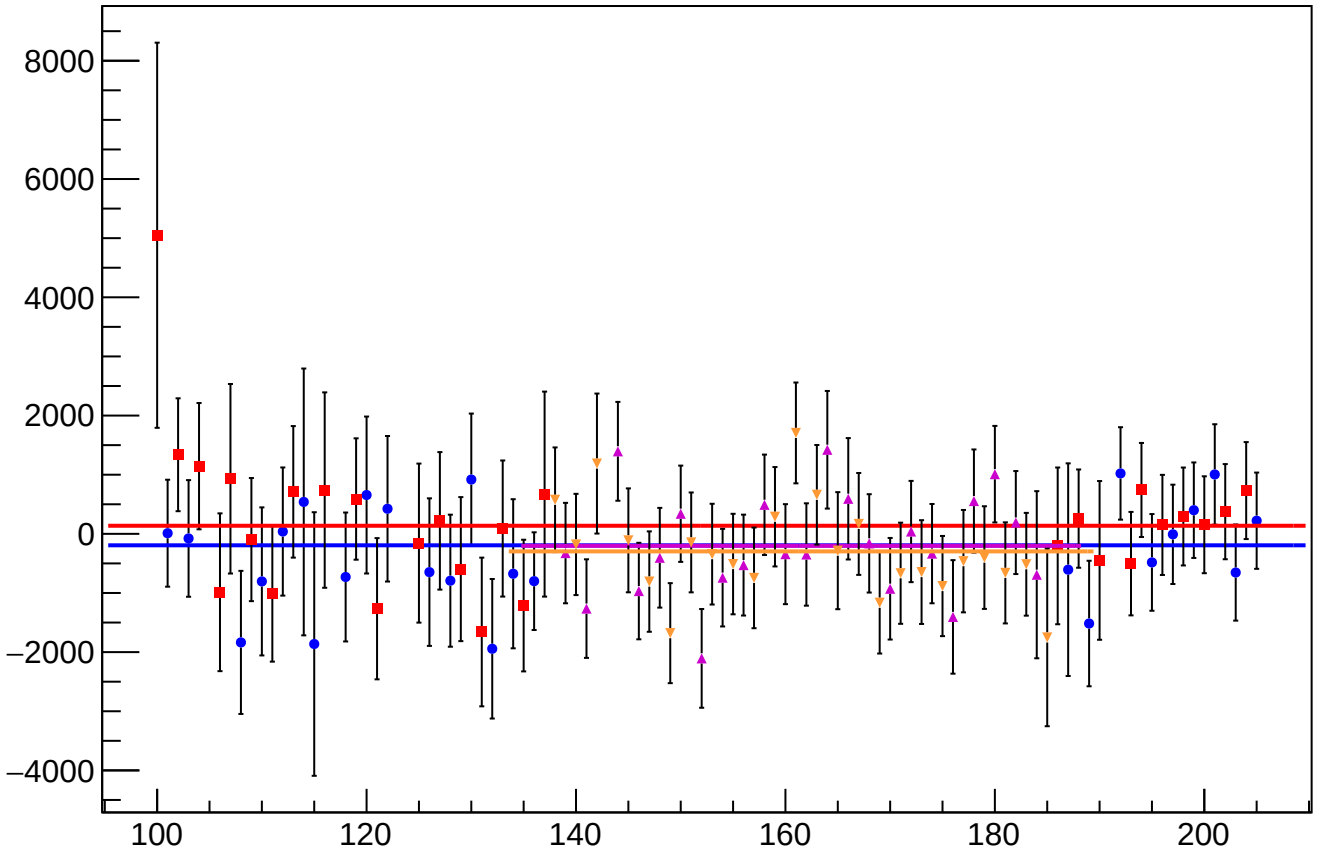
Left: 507.974+/-0.060 χ^2/NDF: 906551.9/46

Right: 836.941+/-0.121 χ^2/NDF: 10116873.3/52

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

Out: 571.808+/-0.075 χ^2/NDF:9204042.9/51

All: 572.075+/-0.053 χ^2/NDF: 16956053.4/99



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

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

Right Out: 136.897+/-200.551 χ^2/NDF: 14.8/27

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

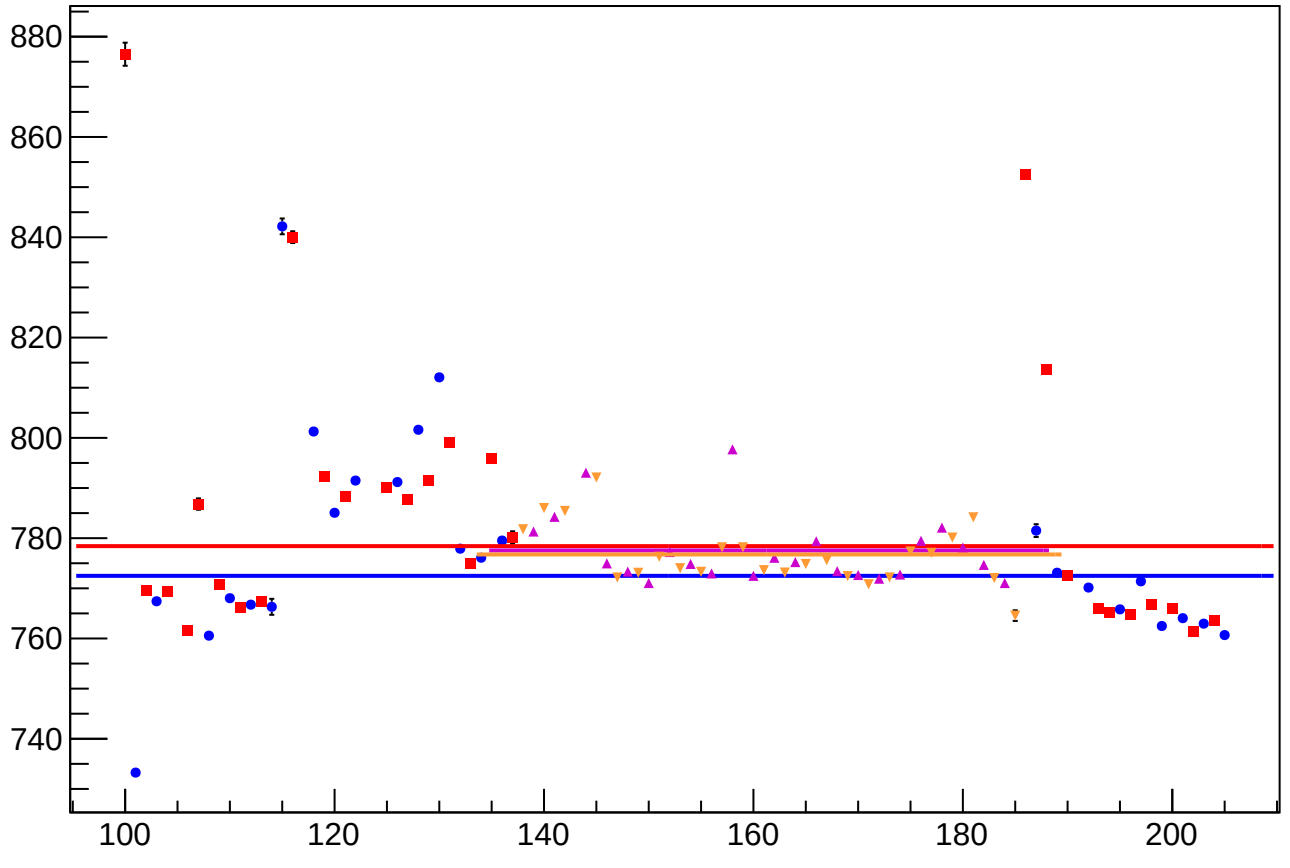
Left: -250.382+/-127.923 χ^2/NDF: 38.9/46

Right: -24.310+/-143.581 χ^2/NDF: 31.5/52

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

Out: -102.955+/-134.073 χ^2/NDF:34.1/51

All: -150.341+/-95.513 χ^2/NDF: 71.8/99



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

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

Right Out: 778.414+/-0.142 χ^2/NDF: 21670.7/27

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

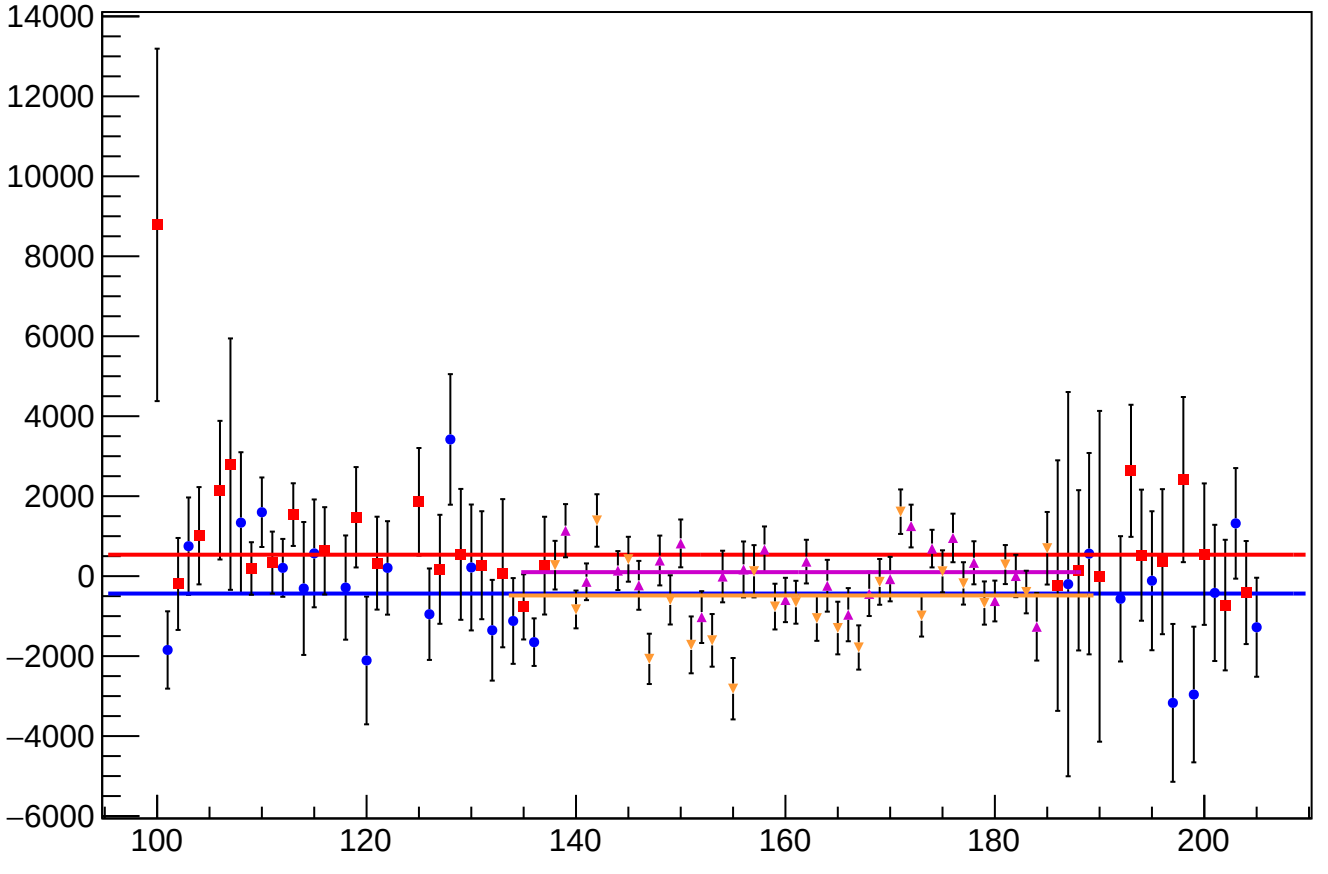
Left: 777.147+/-0.090 χ^2/NDF: 4596.6/46

Right: 775.526+/-0.102 χ^2/NDF: 36573.9/52

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

Out: 777.494+/-0.095 χ^2/NDF:23573.1/51

All: 776.430+/-0.068 χ^2/NDF: 41312.7/99



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

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

Right Out: 536.303+/-241.165 χ^2/NDF: 15.5/27

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

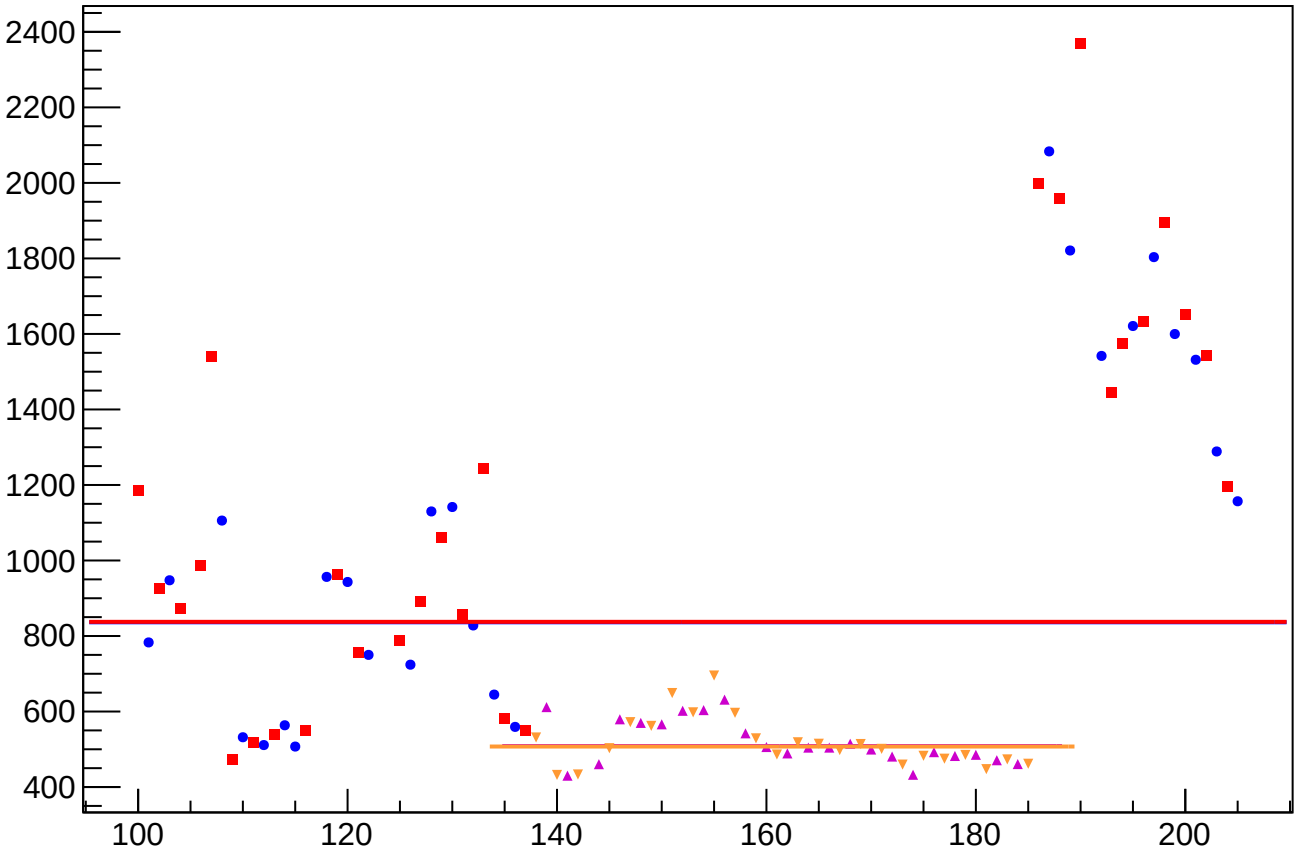
Left: -193.580+/-84.314 χ^2/NDF: 104.5/46

Right: 55.323+/-171.387 χ^2/NDF: 53.3/52

In: -4.115+/-107.415 χ^2/NDF:61.1/47

Out: -283.848+/-106.575 χ^2/NDF:95.0/51

All: -145.079+/-75.655 χ^2/NDF: 159.5/99



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

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

Right Out: 837.539+/-0.171 χ^2/NDF: 5712566.9/27

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

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

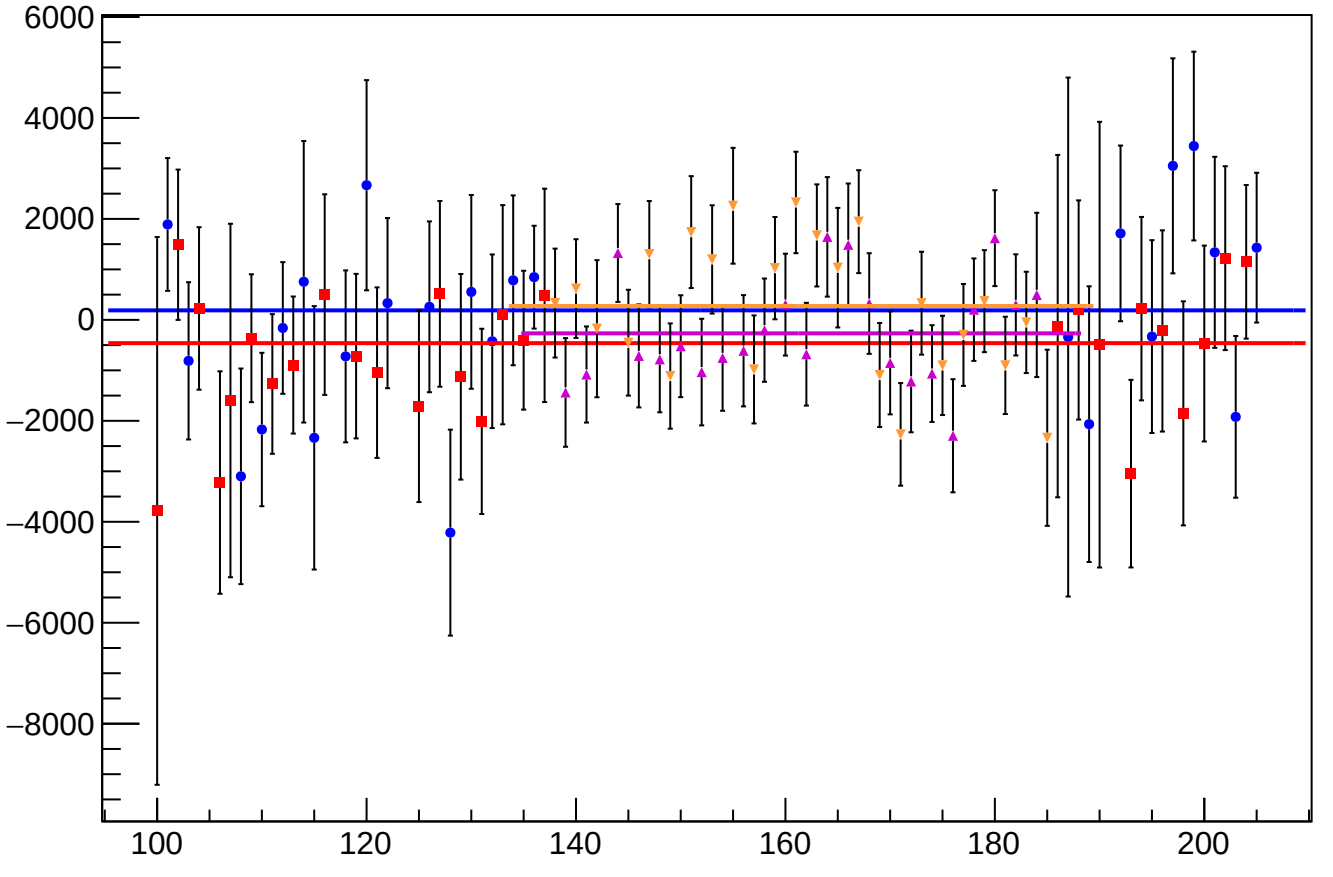
Right: 836.937+/-0.121 χ^2/NDF: 10116979.5/52

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

Out: 571.808+/-0.075 χ^2/NDF:9204053.5/51

All: 572.075+/-0.053 χ^2/NDF: 16956078.3/99

asym_us_dd_mean vs Slug, Sign Corrected



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

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

Right Out: -460.908+/-347.094 χ^2/NDF: 11.1/27

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

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

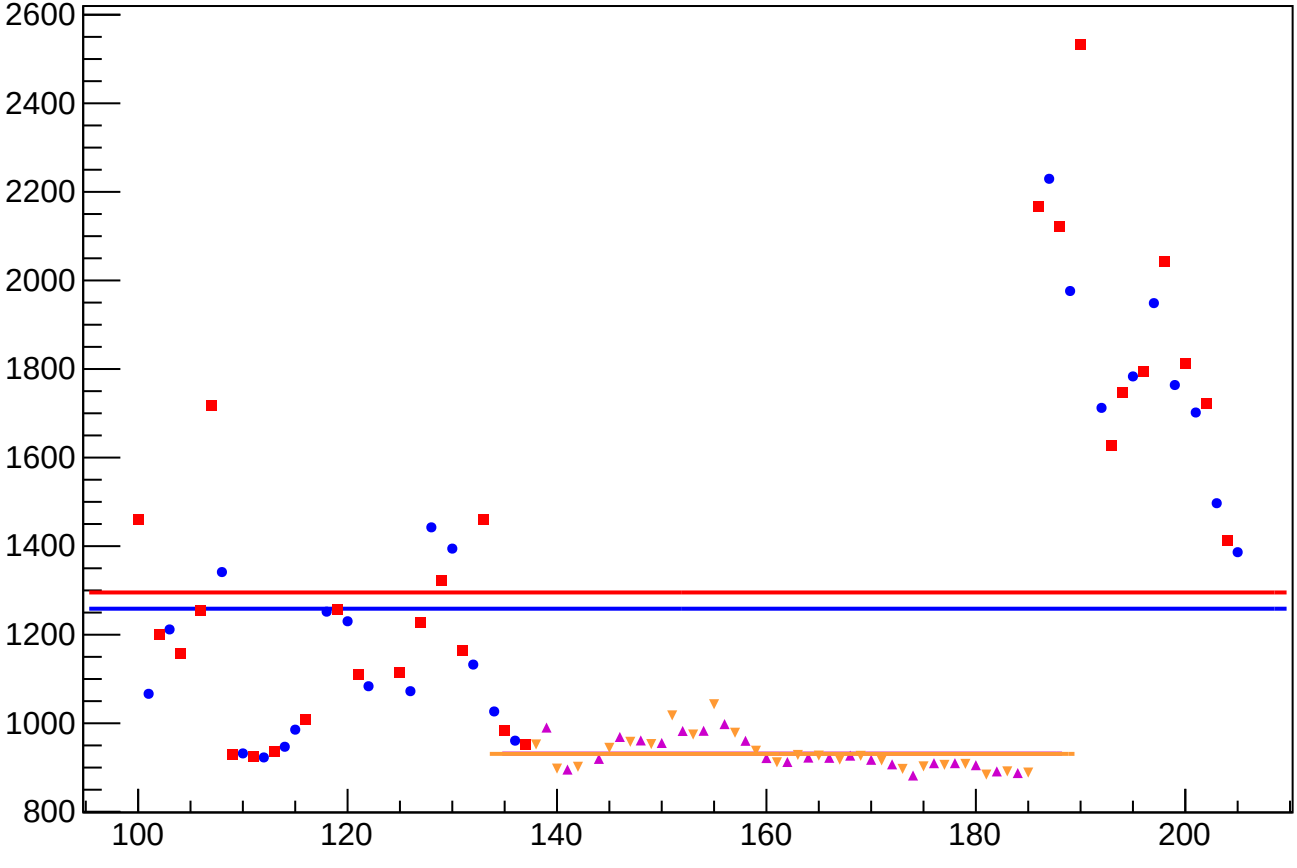
Right: -135.165+/-245.019 χ^2/NDF: 37.1/52

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

Out: 69.298+/-183.566 χ^2/NDF:48.0/51

All: -33.903+/-130.039 χ^2/NDF: 95.4/99

asym_us_dd_rms vs Slug, Sign Corrected



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

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

Right Out: 1295.421+/-0.245 χ^2/NDF: 2153352.4/27

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

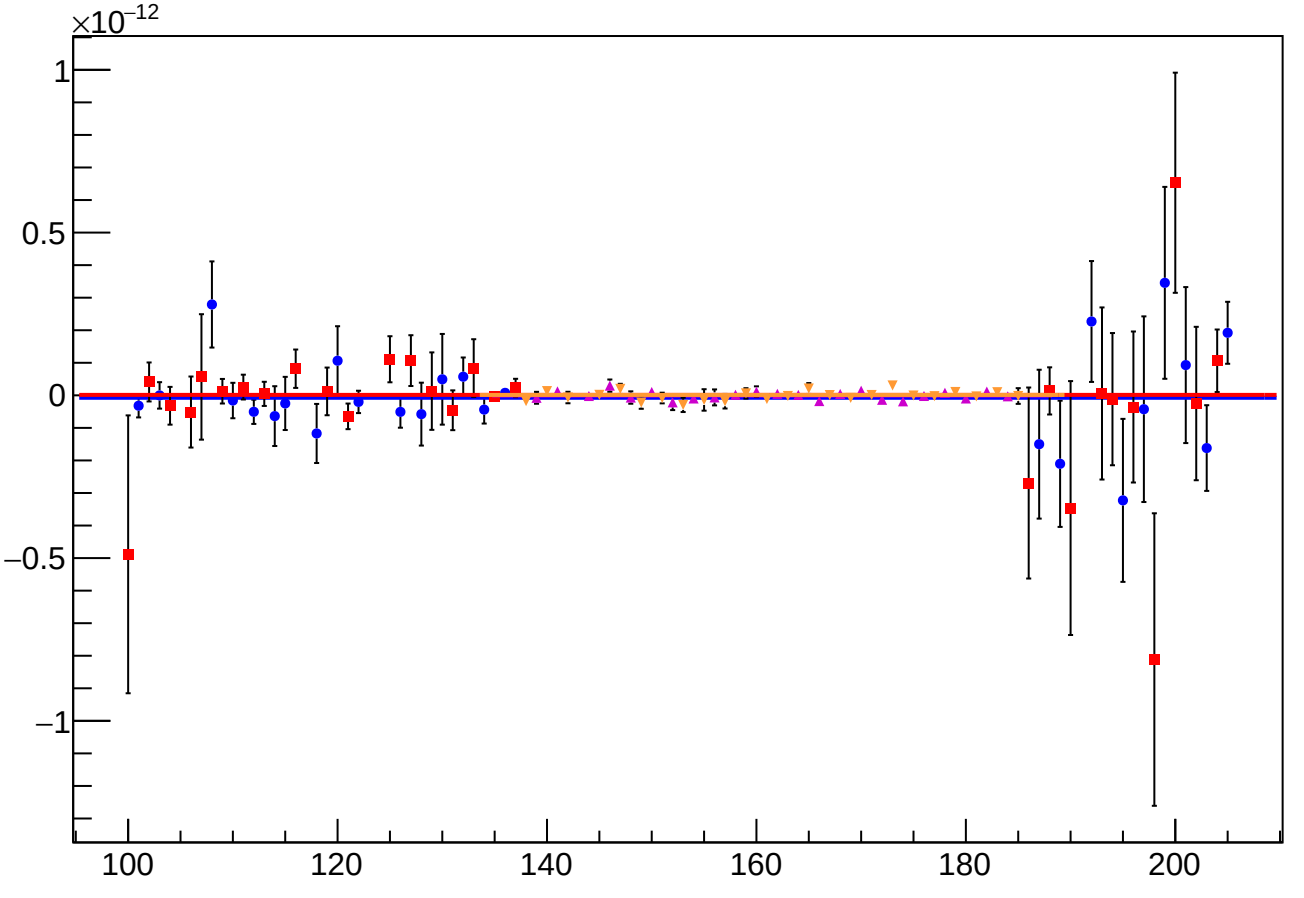
Left: 931.240+/-0.108 χ^2/NDF: 110877.8/46

Right: 1277.018+/-0.173 χ^2/NDF: 3797335.7/52

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

Out: 1032.872+/-0.130 χ^2/NDF:3804007.1/51

All: 1028.636+/-0.092 χ^2/NDF: 6769387.7/99



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/27

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

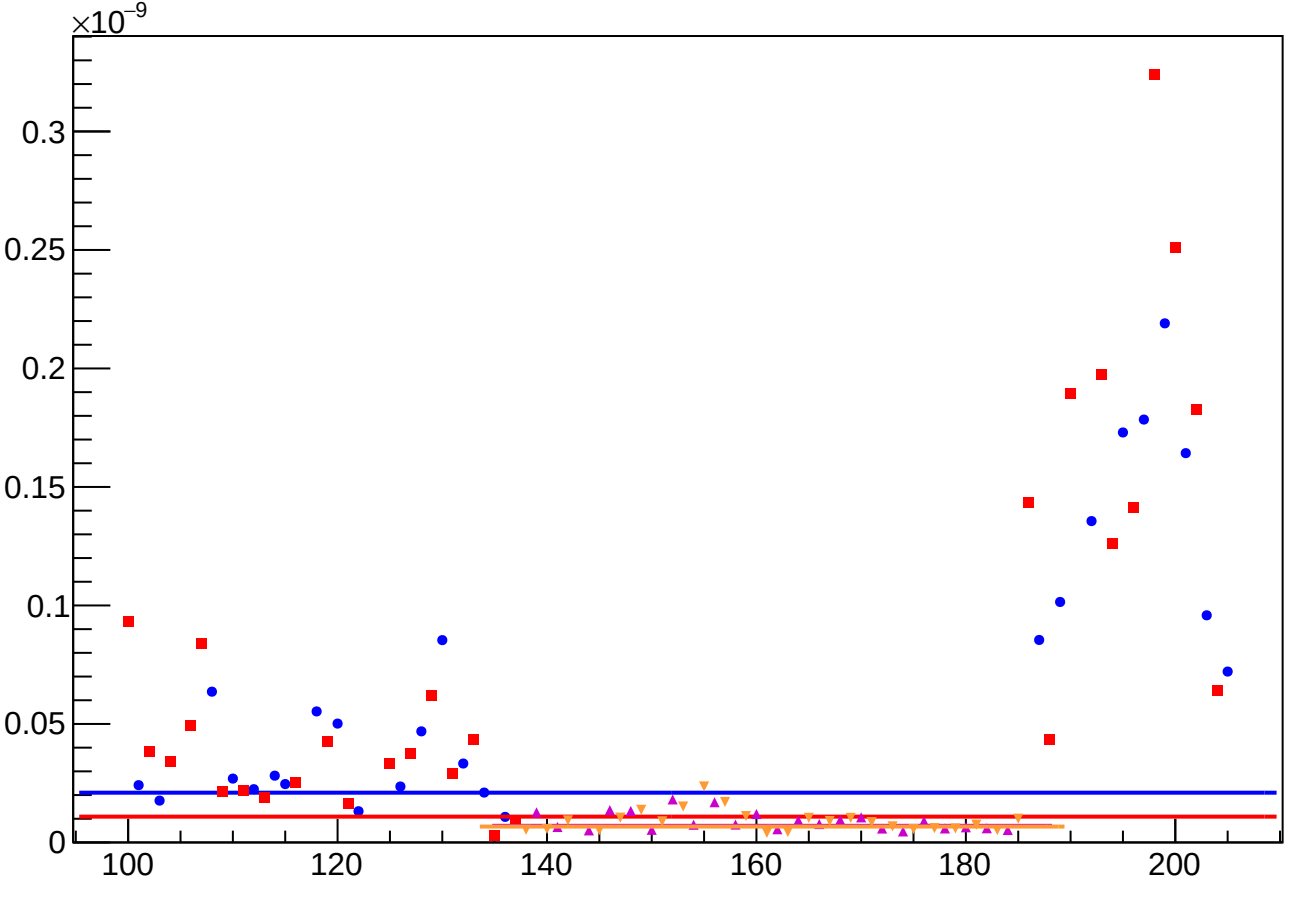
Left: 0.000+/-0.000 χ^2/NDF: 48.0/46

Right: -0.000+/-0.000 χ^2/NDF: 50.6/52

In: -0.000+/-0.000 χ^2/NDF:48.5/47

Out: 0.000+/-0.000 χ^2/NDF:49.9/51

All: 0.000+/-0.000 χ^2/NDF: 98.8/99



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 12389327.7/27

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

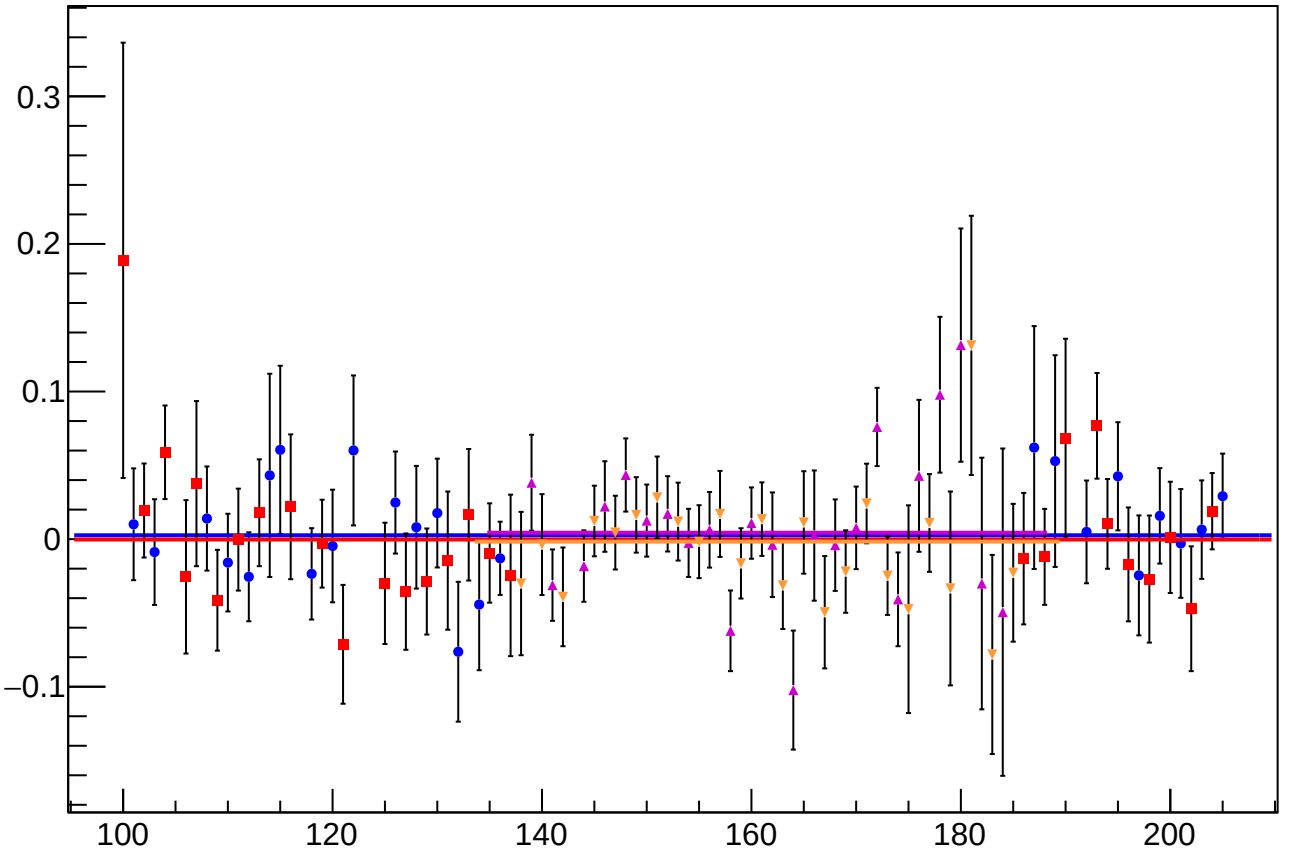
Left: 0.000+/-0.000 χ^2/NDF: 5389849.5/46

Right: 0.000+/-0.000 χ^2/NDF: 21554000.8/52

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

Out: 0.000+/-0.000 χ^2/NDF:15932509.3/51

All: 0.000+/-0.000 χ^2/NDF: 29946739.6/99



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

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

Right Out: -0.000+/-0.007 χ^2/NDF: 22.0/27

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

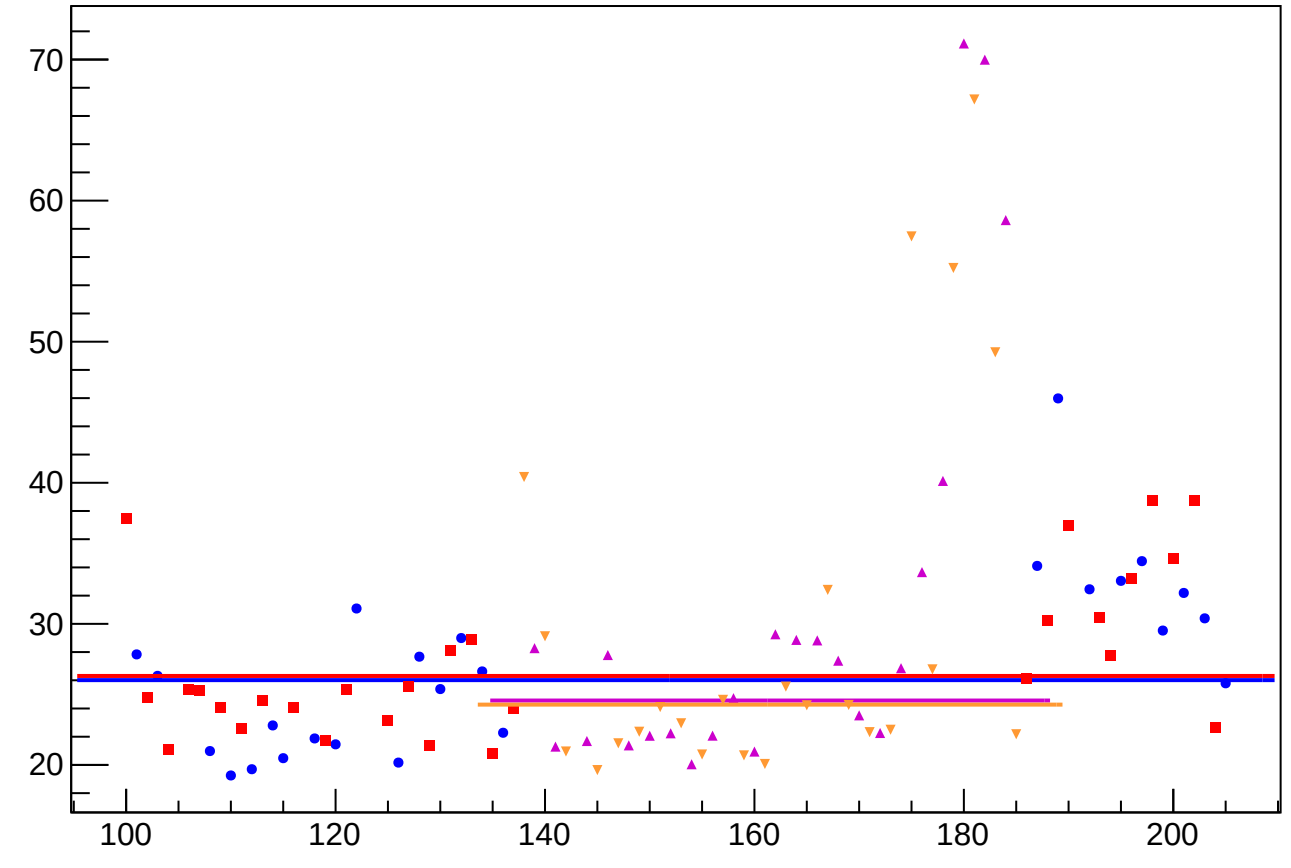
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.001+/-0.005 χ^2/NDF: 35.5/52

In: 0.004+/-0.005 χ^2/NDF:50.0/47

Out: -0.001+/-0.005 χ^2/NDF:36.7/51

All: 0.001+/-0.003 χ^2/NDF: 87.1/99



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

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

Right Out: 26.307+/-0.005 χ^2/NDF: 930837.3/27

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

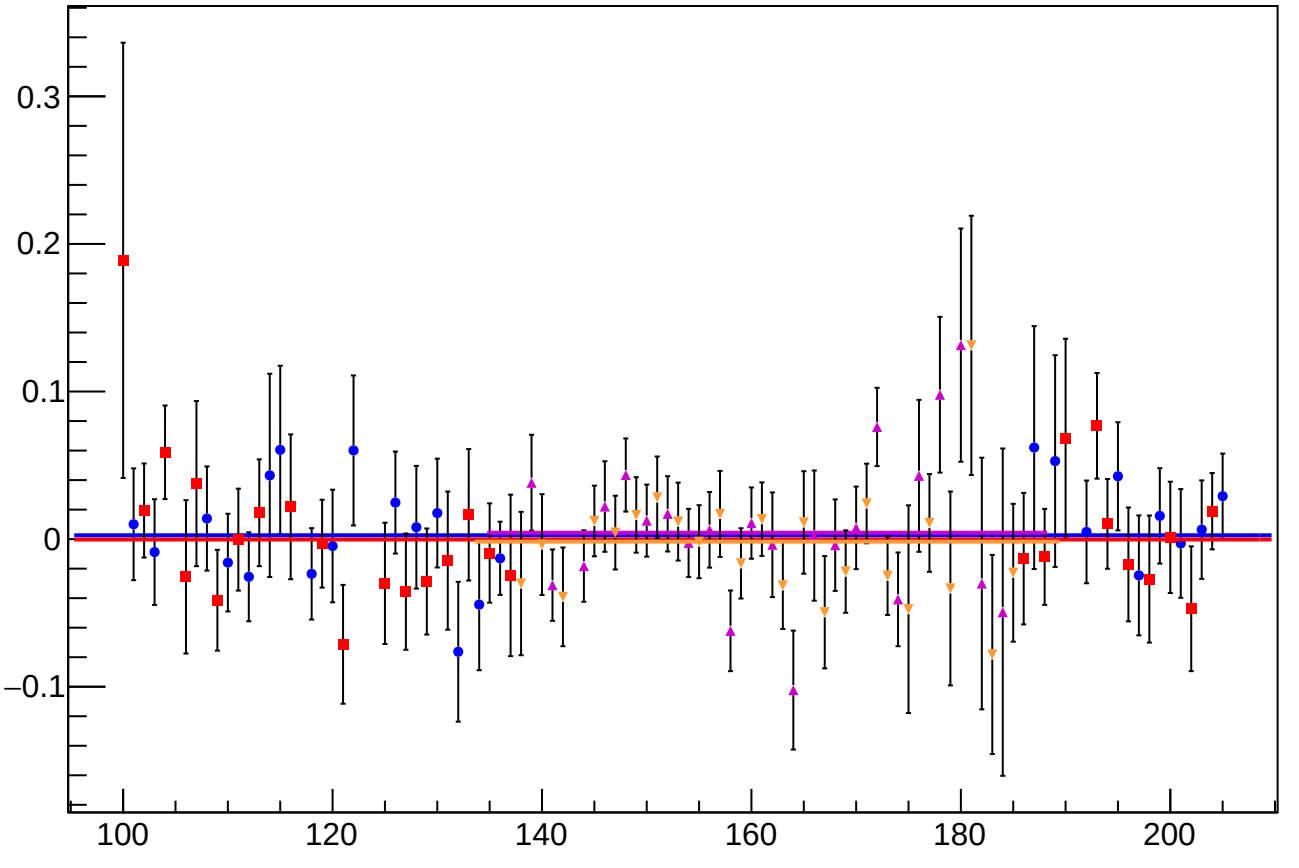
Left: 24.418+/-0.003 χ^2/NDF: 4445671.0/46

Right: 26.163+/-0.004 χ^2/NDF: 1888465.6/52

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

Out: 25.155+/-0.003 χ^2/NDF:3330560.2/51

All: 25.166+/-0.002 χ^2/NDF: 6462859.1/99



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

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

Right Out: -0.000+/-0.007 χ^2/NDF: 22.0/27

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

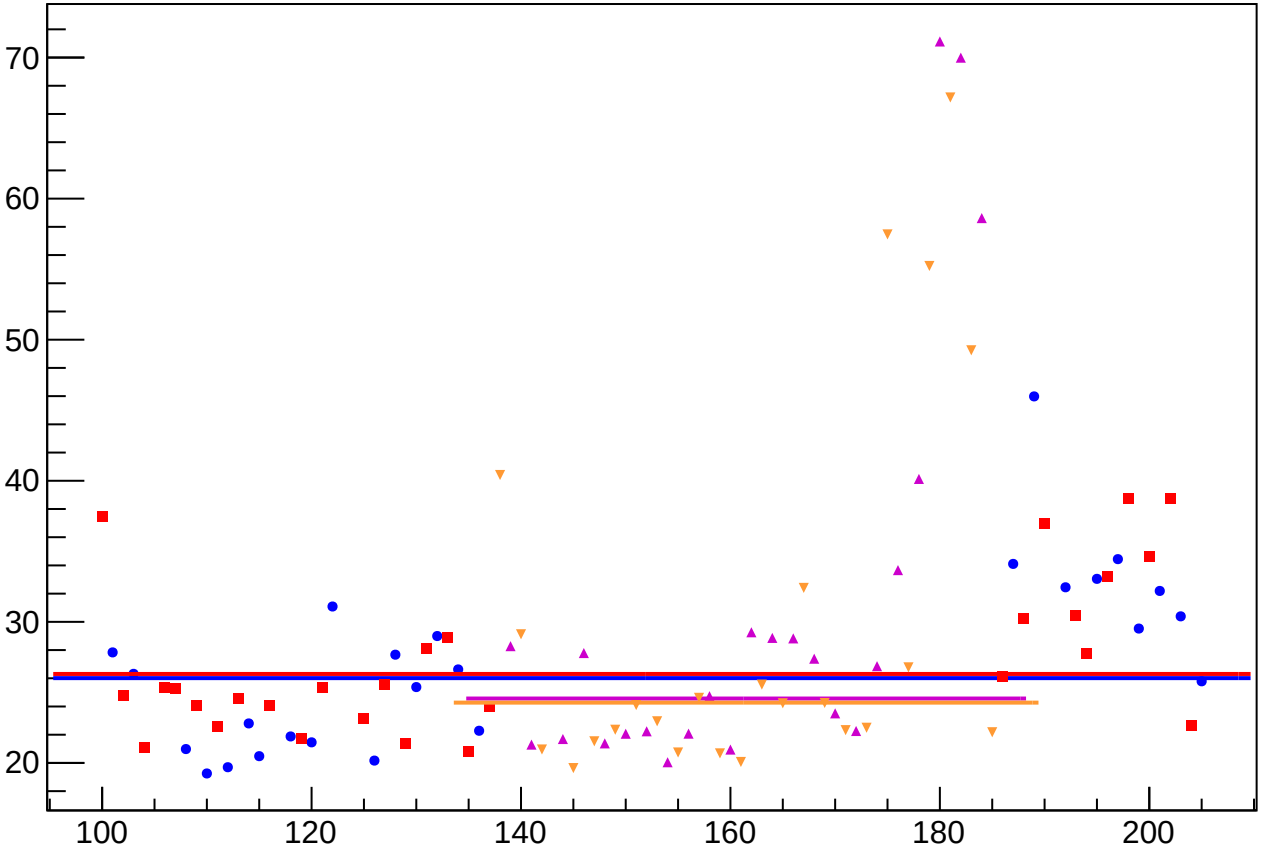
Right: 0.001+/-0.005 χ^2/NDF: 35.5/52

In: 0.004+/-0.005 χ^2/NDF:50.0/47

Out: -0.001+/-0.005 χ^2/NDF:36.7/51

All: 0.001+/-0.003 χ^2/NDF: 87.1/99

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 26.307+/-0.005 χ^2/NDF: 930837.3/27

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

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

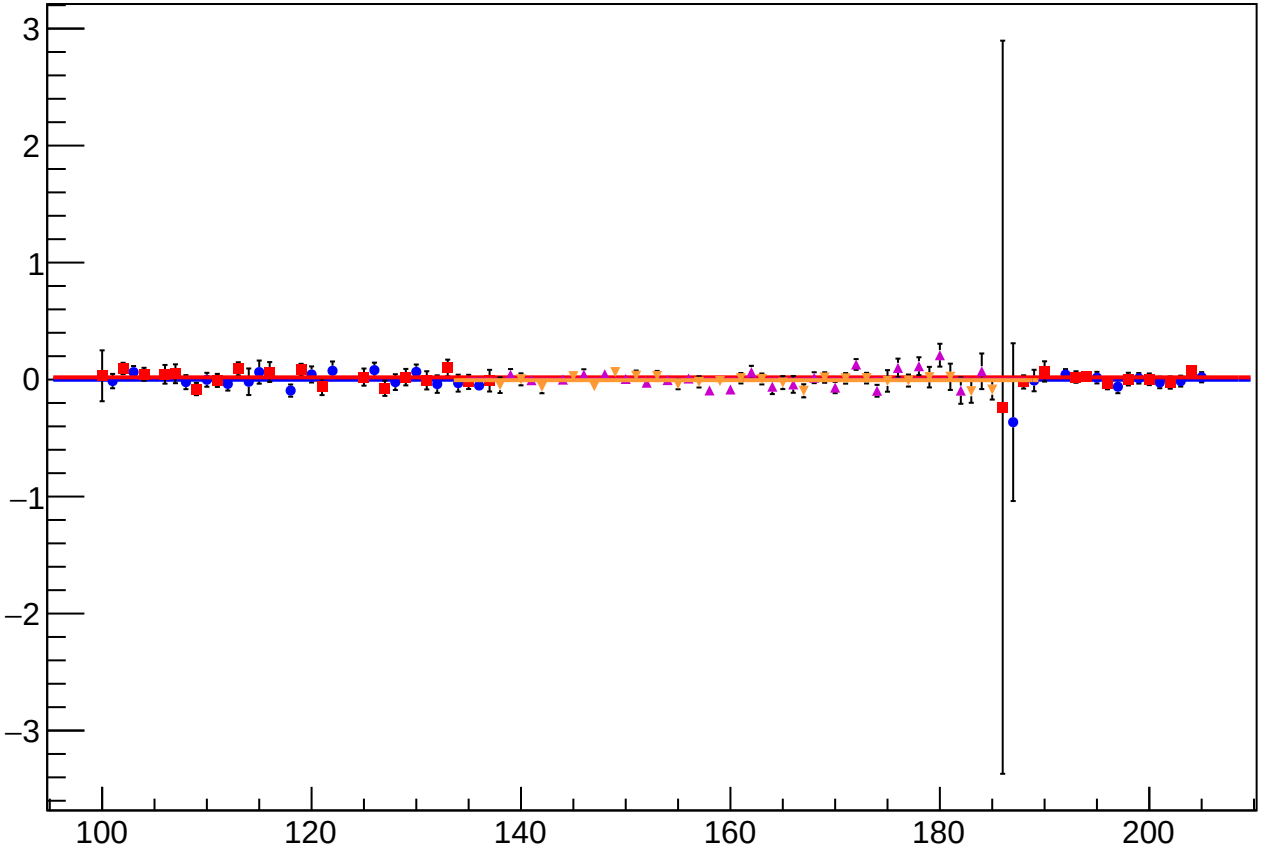
Right: 26.163+/-0.004 χ^2/NDF: 1888465.6/52

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

Out: 25.155+/-0.003 χ^2/NDF:3330560.2/51

All: 25.166+/-0.002 χ^2/NDF: 6462859.1/99

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: 0.019+/-0.011 χ^2/NDF: 20.0/27

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

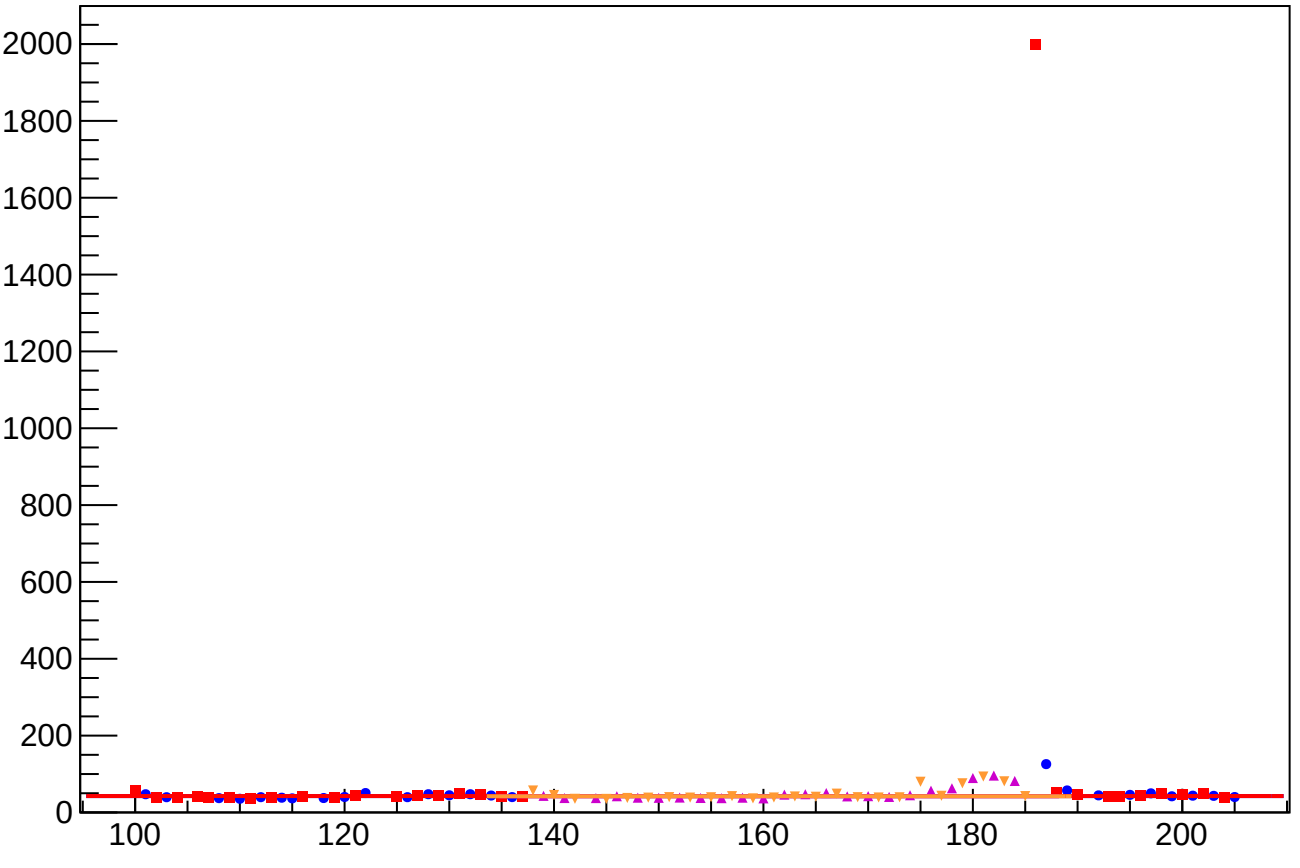
Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

Right: 0.009+/-0.008 χ^2/NDF: 36.3/52

In: -0.001+/-0.008 χ^2/NDF:52.7/47

Out: 0.006+/-0.008 χ^2/NDF:36.3/51

All: 0.003+/-0.005 χ^2/NDF: 89.3/99



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

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

Right Out: 42.697+/-0.008 χ^2/NDF: 1045495.5/27

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

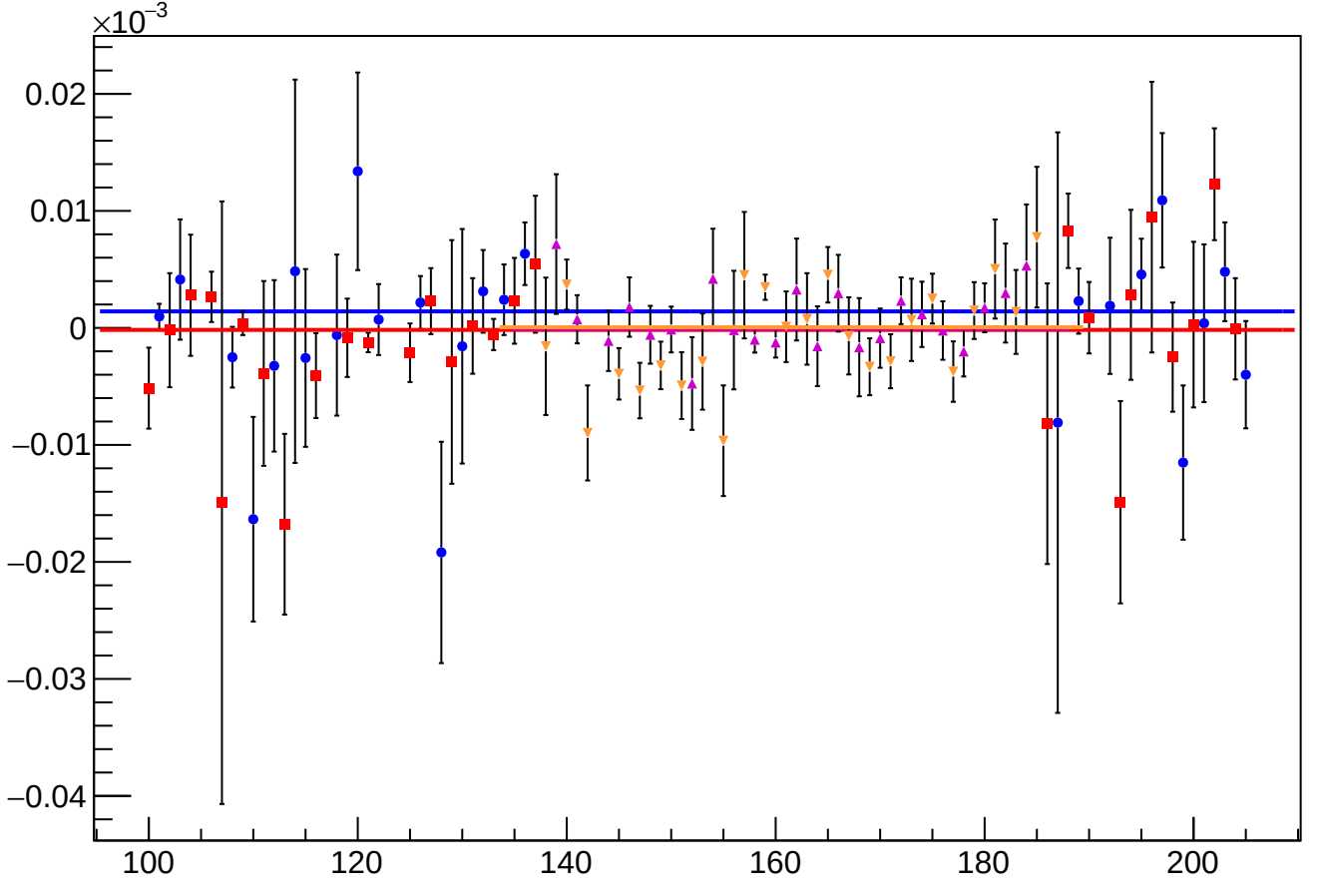
Left: 42.083+/-0.005 χ^2/NDF: 3259553.8/46

Right: 42.654+/-0.006 χ^2/NDF: 1329777.7/52

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

Out: 42.363+/-0.005 χ^2/NDF:2764633.6/51

All: 42.337+/-0.004 χ^2/NDF: 4594700.6/99



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

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

Right Out: -0.000+/-0.000 χ^2/NDF: 33.8/27

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

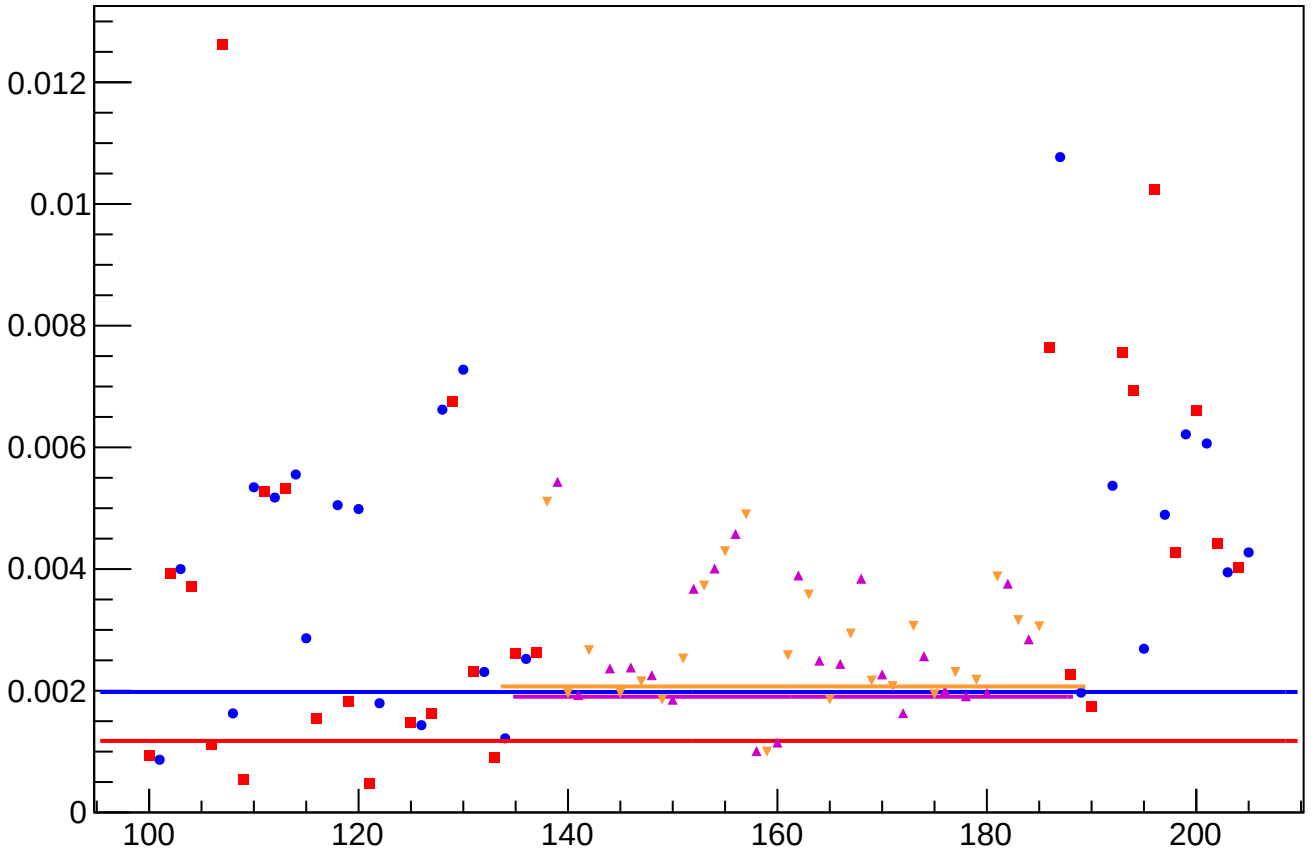
Left: -0.000+/-0.000 χ^2/NDF: 64.7/46

Right: 0.000+/-0.000 χ^2/NDF: 65.9/52

In: 0.000+/-0.000 χ^2/NDF:44.4/47

Out: -0.000+/-0.000 χ^2/NDF:85.6/51

All: 0.000+/-0.000 χ^2/NDF: 131.0/99



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

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

Right Out: 0.001+/-0.000 χ^2/NDF: 14604095.3/27

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

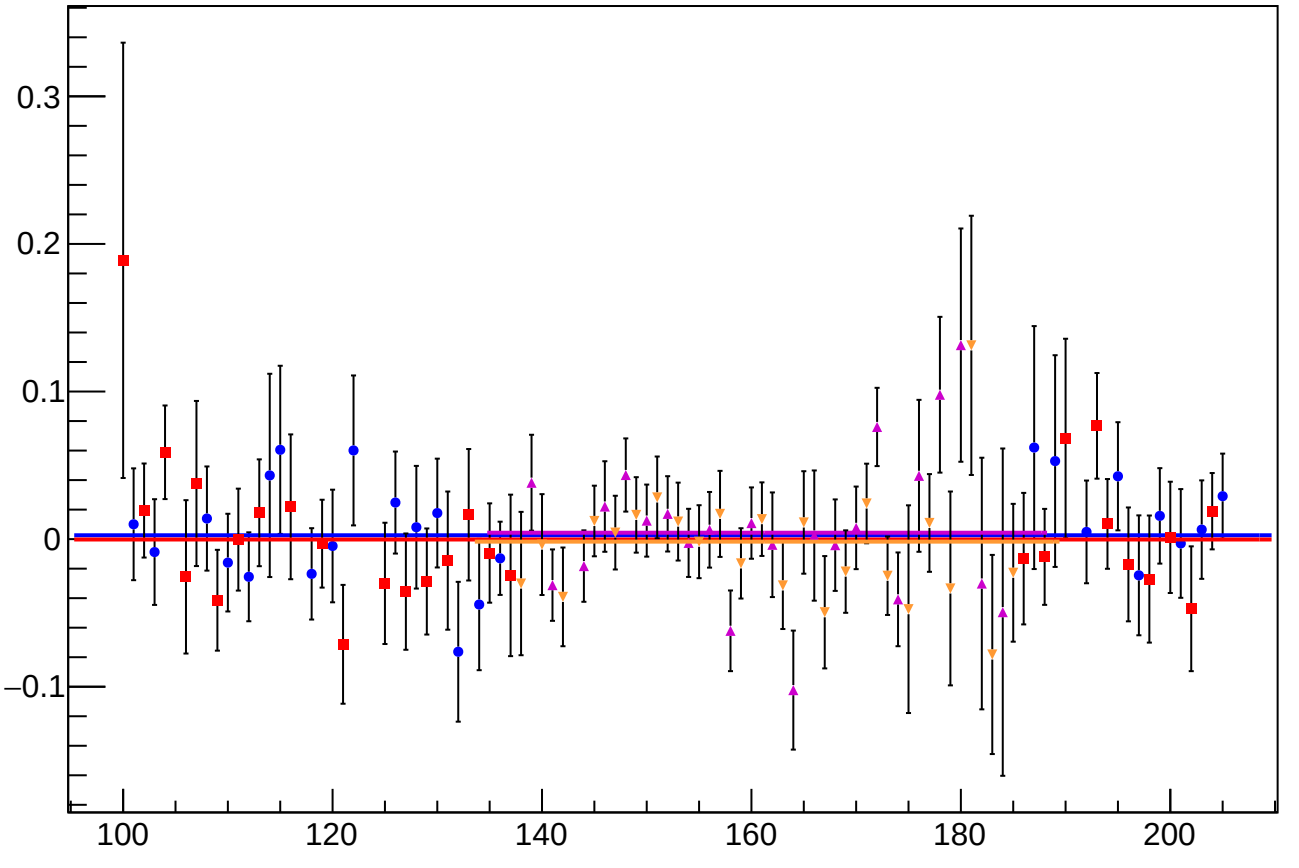
Left: 0.002+/-0.000 χ^2/NDF: 11308615.1/46

Right: 0.001+/-0.000 χ^2/NDF: 25856199.6/52

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

Out: 0.002+/-0.000 χ^2/NDF:23077315.7/51

All: 0.002+/-0.000 χ^2/NDF: 39242924.3/99



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

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

Right Out: -0.000+/-0.007 χ^2/NDF: 22.0/27

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

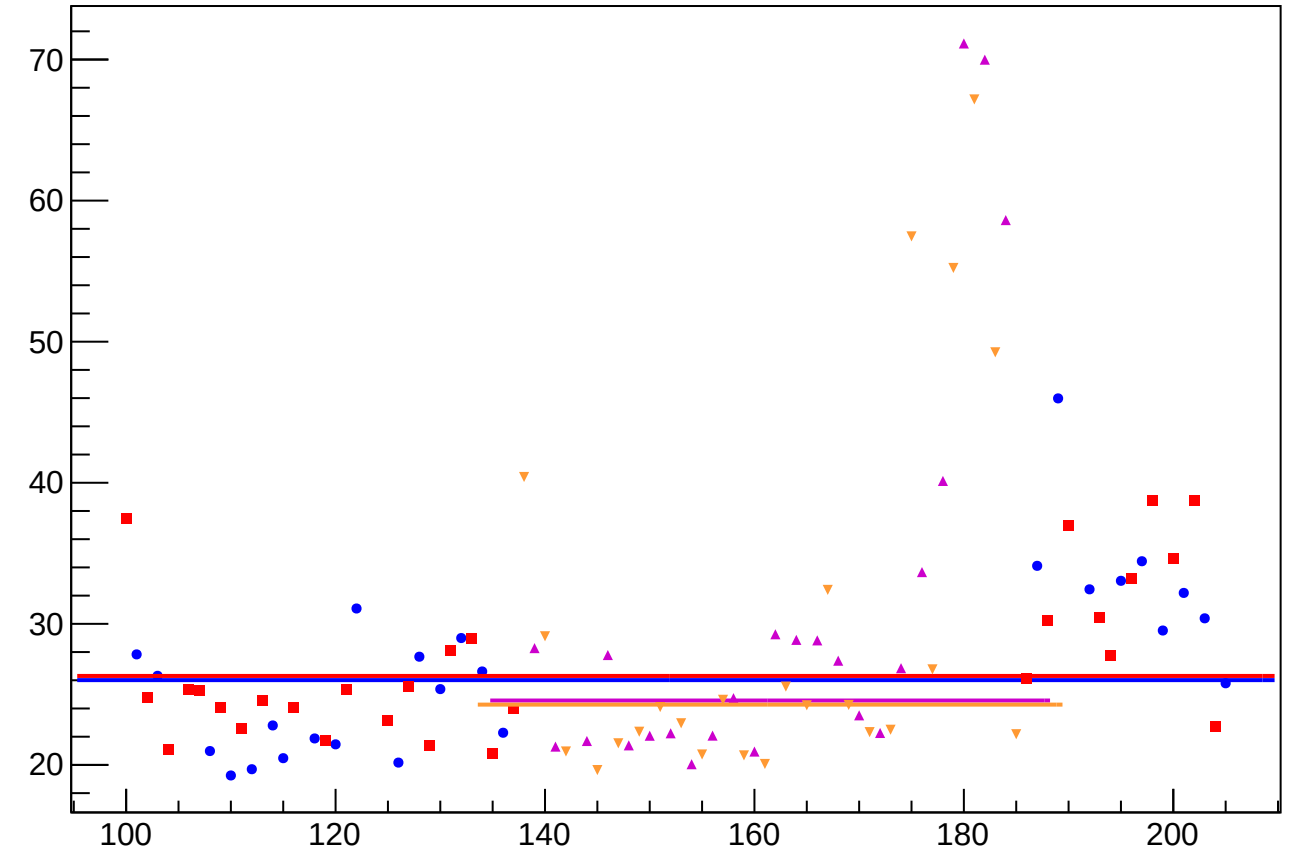
Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

Right: 0.001+/-0.005 χ^2/NDF: 35.5/52

In: 0.004+/-0.005 χ^2/NDF:50.0/47

Out: -0.001+/-0.005 χ^2/NDF:36.7/51

All: 0.001+/-0.003 χ^2/NDF: 87.1/99



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

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

Right Out: 26.307+/-0.005 χ^2/NDF: 930745.4/27

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

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

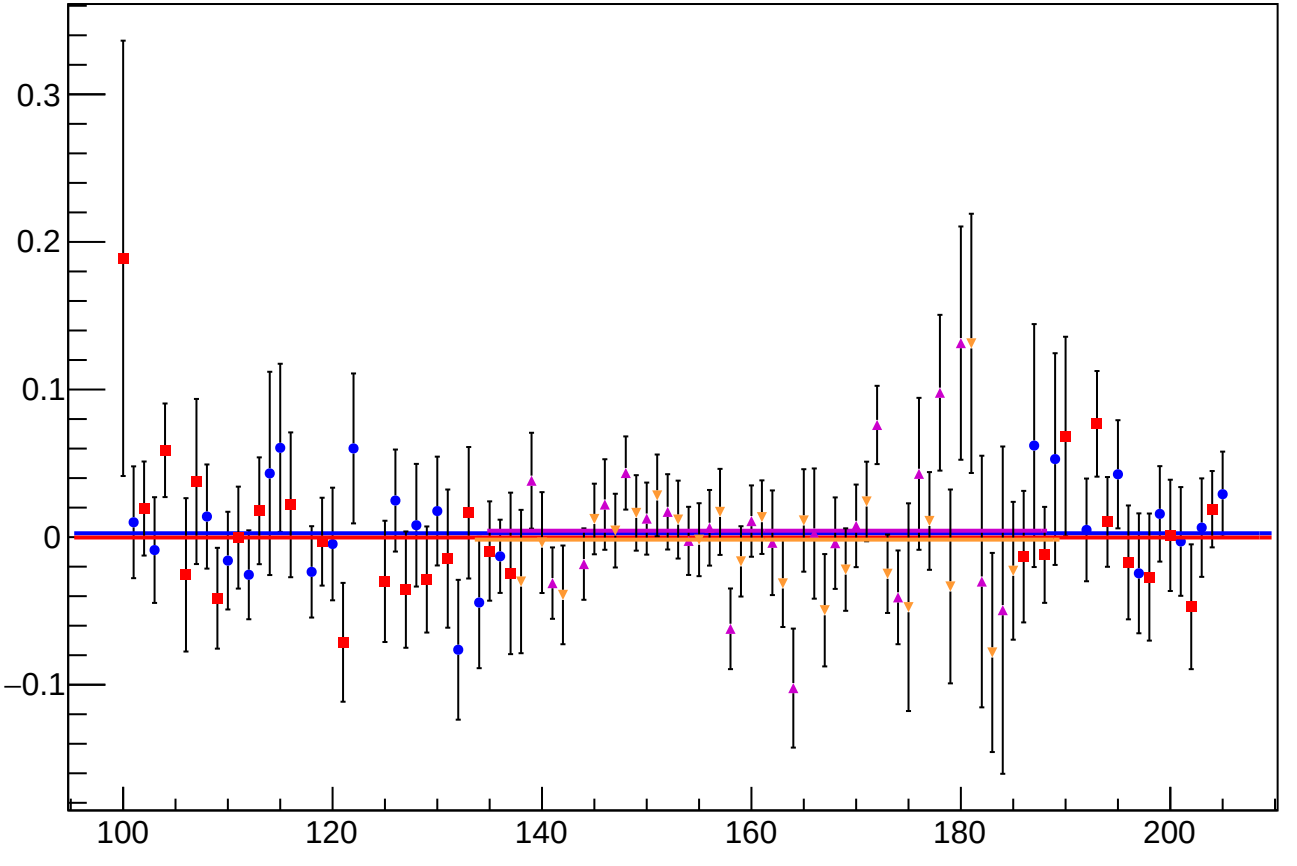
Right: 26.163+/-0.004 χ^2/NDF: 1888382.0/52

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

Out: 25.156+/-0.003 χ^2/NDF:3330495.3/51

All: 25.166+/-0.002 χ^2/NDF: 6462609.1/99

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.000+/-0.007 χ^2/NDF: 22.0/27

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

Left: 0.001+/-0.005 χ^2/NDF: 51.6/46

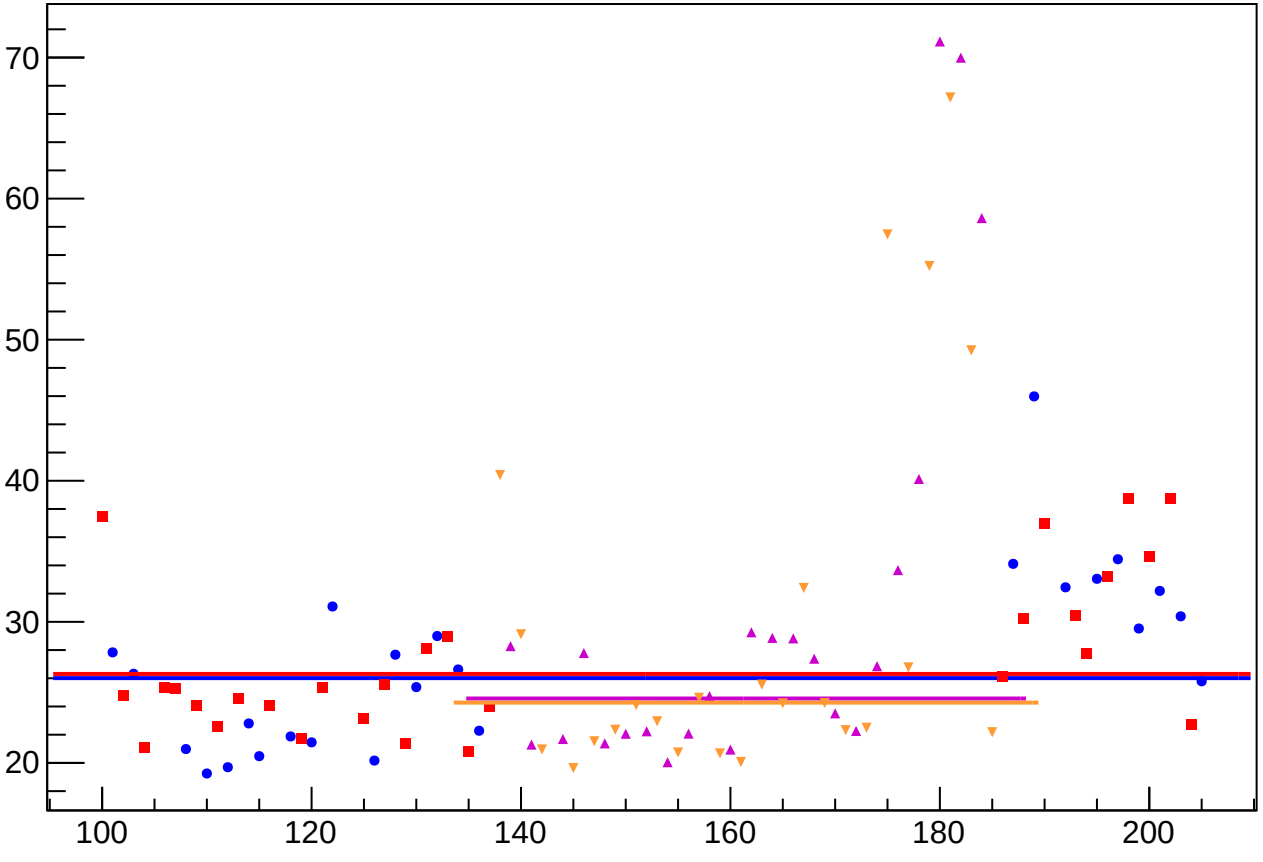
Right: 0.001+/-0.005 χ^2/NDF: 35.5/52

In: 0.004+/-0.005 χ^2/NDF:50.0/47

Out: -0.001+/-0.005 χ^2/NDF:36.7/51

All: 0.001+/-0.003 χ^2/NDF: 87.1/99

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 26.307+/-0.005 χ^2/NDF: 930745.4/27

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

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

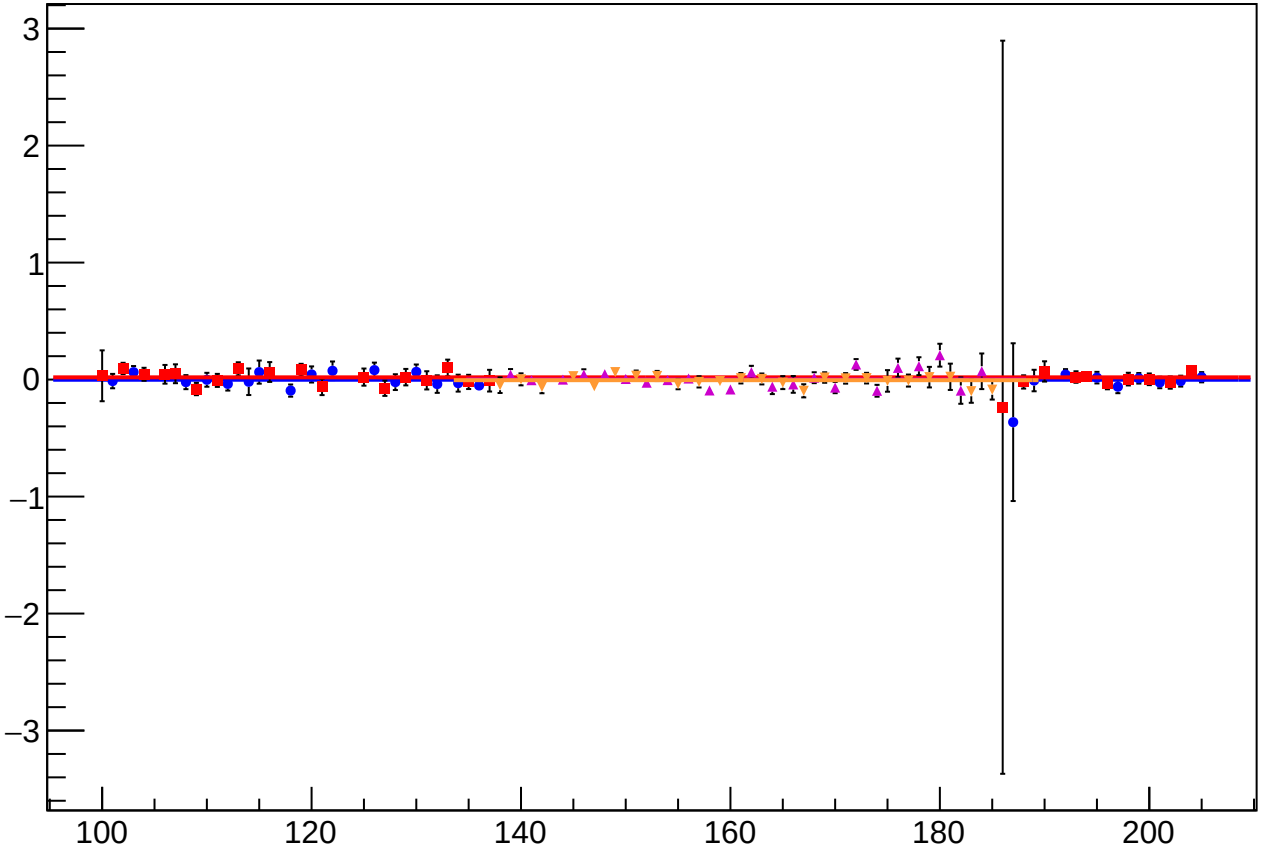
Right: 26.163+/-0.004 χ^2/NDF: 1888382.0/52

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

Out: 25.156+/-0.003 χ^2/NDF:3330495.3/51

All: 25.166+/-0.002 χ^2/NDF: 6462609.1/99

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: 0.019+/-0.011 χ^2/NDF: 20.0/27

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

Left: -0.002+/-0.007 χ^2/NDF: 51.9/46

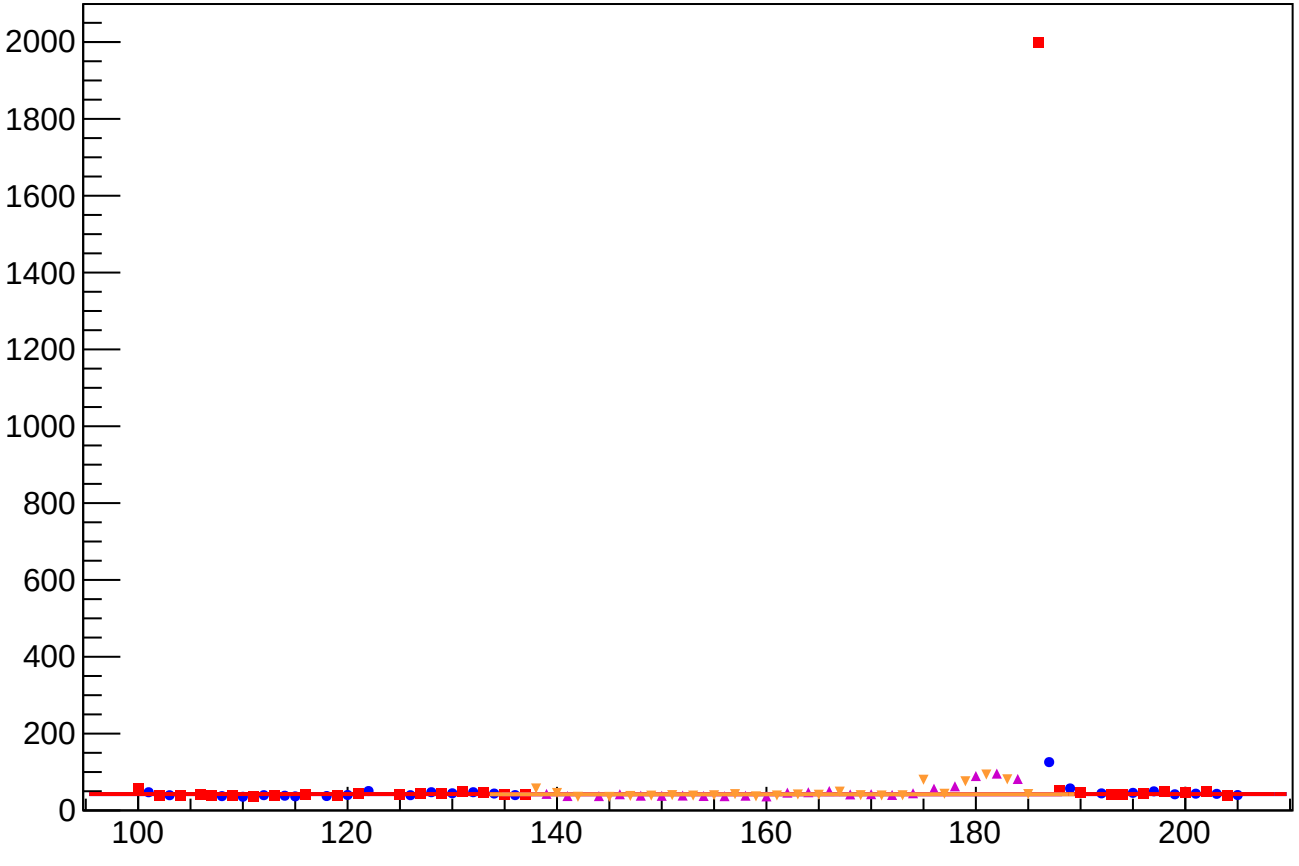
Right: 0.009+/-0.008 χ^2/NDF: 36.3/52

In: -0.001+/-0.008 χ^2/NDF:52.7/47

Out: 0.006+/-0.008 χ^2/NDF:36.3/51

All: 0.003+/-0.005 χ^2/NDF: 89.3/99

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 42.697+/-0.008 χ^2/NDF: 1045487.2/27

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

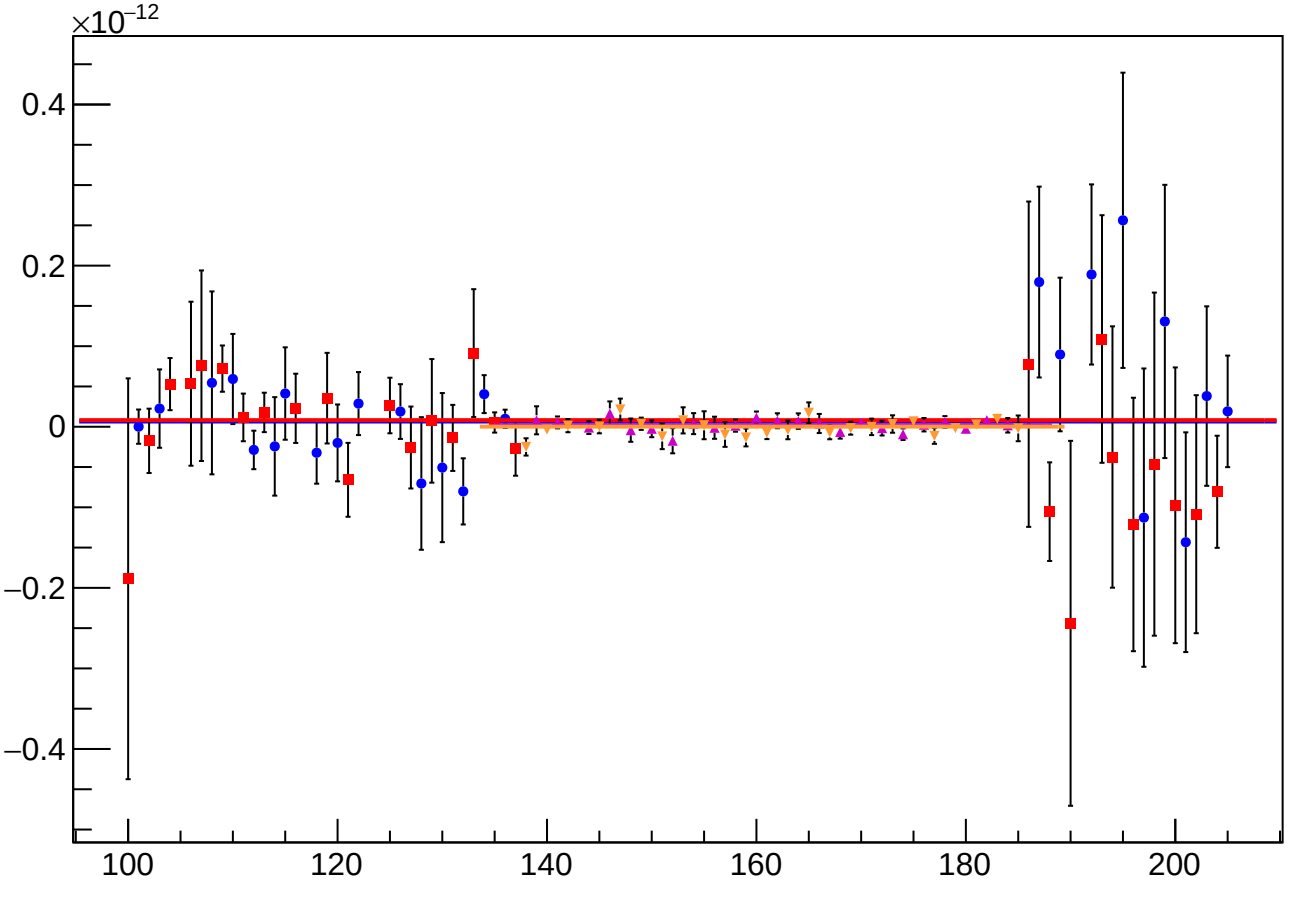
Left: 42.083+/-0.005 χ^2/NDF: 3259520.0/46

Right: 42.654+/-0.006 χ^2/NDF: 1329731.3/52

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

Out: 42.363+/-0.005 χ^2/NDF:2764615.6/51

All: 42.337+/-0.004 χ^2/NDF: 4594617.7/99



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 23.5/27

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

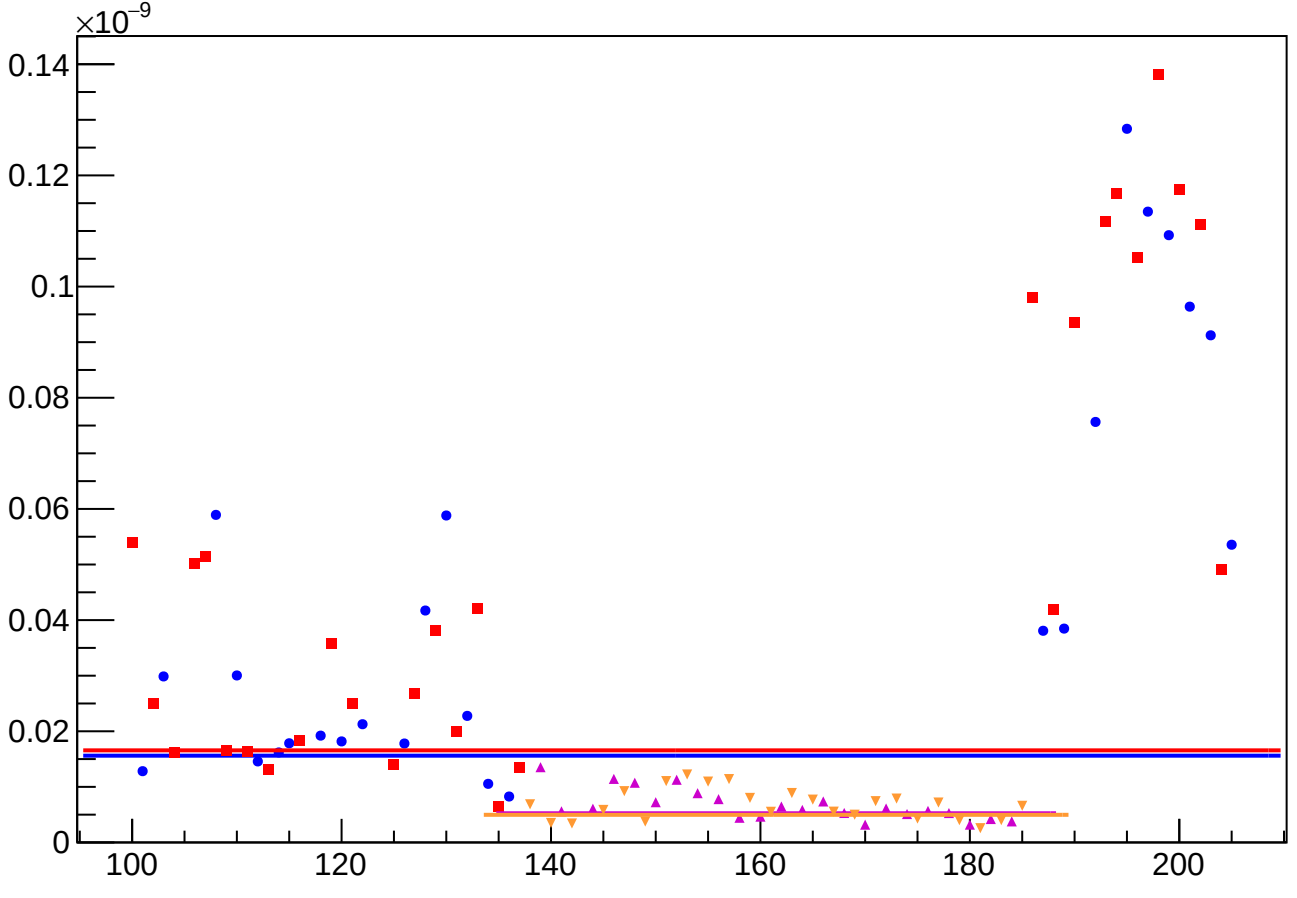
Left: 0.000+/-0.000 χ^2/NDF: 33.5/46

Right: 0.000+/-0.000 χ^2/NDF: 46.9/52

In: 0.000+/-0.000 χ^2/NDF:35.6/47

Out: 0.000+/-0.000 χ^2/NDF:45.7/51

All: 0.000+/-0.000 χ^2/NDF: 81.8/99



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

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

Right Out: 0.000+/-0.000 χ^2/NDF: 8324029.1/27

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

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

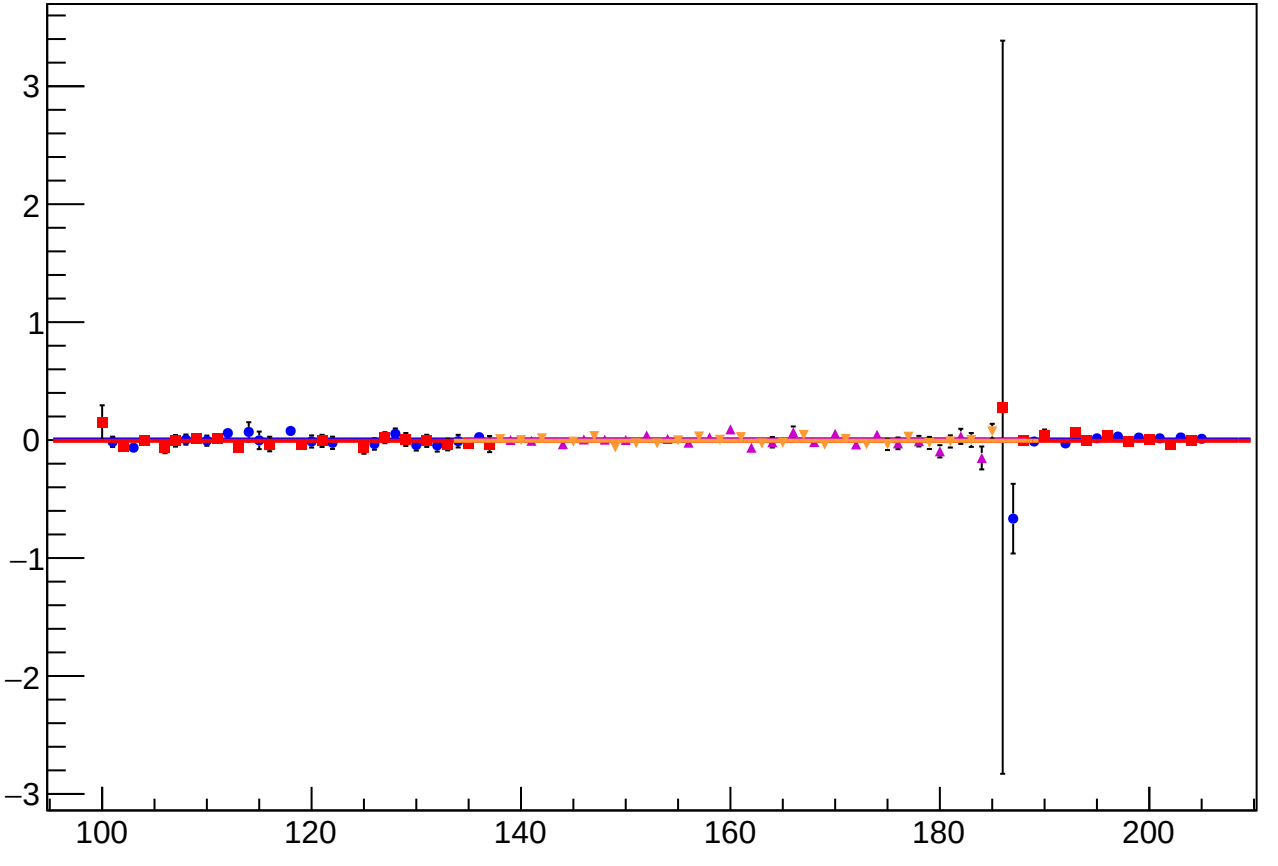
Right: 0.000+/-0.000 χ^2/NDF: 15588914.3/52

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

Out: 0.000+/-0.000 χ^2/NDF:16280834.8/51

All: 0.000+/-0.000 χ^2/NDF: 30055049.1/99

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.006+/-0.007 χ^2/NDF: 22.3/27

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

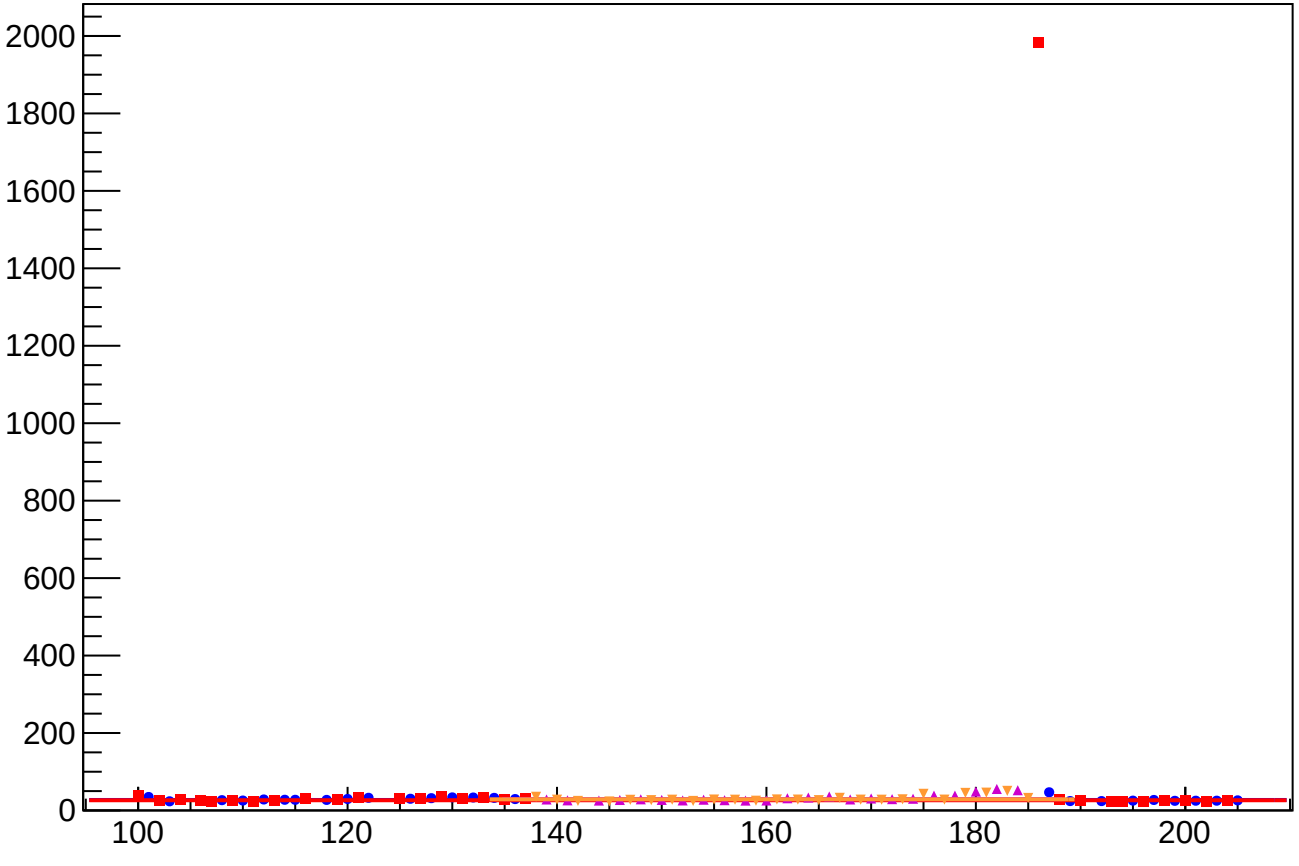
Right: -0.001+/-0.005 χ^2/NDF: 47.7/52

In: 0.005+/-0.005 χ^2/NDF:55.4/47

Out: -0.006+/-0.005 χ^2/NDF:39.1/51

All: -0.001+/-0.004 χ^2/NDF: 96.5/99

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 26.395+/-0.005 χ^2/NDF: 1105717.2/27

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

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

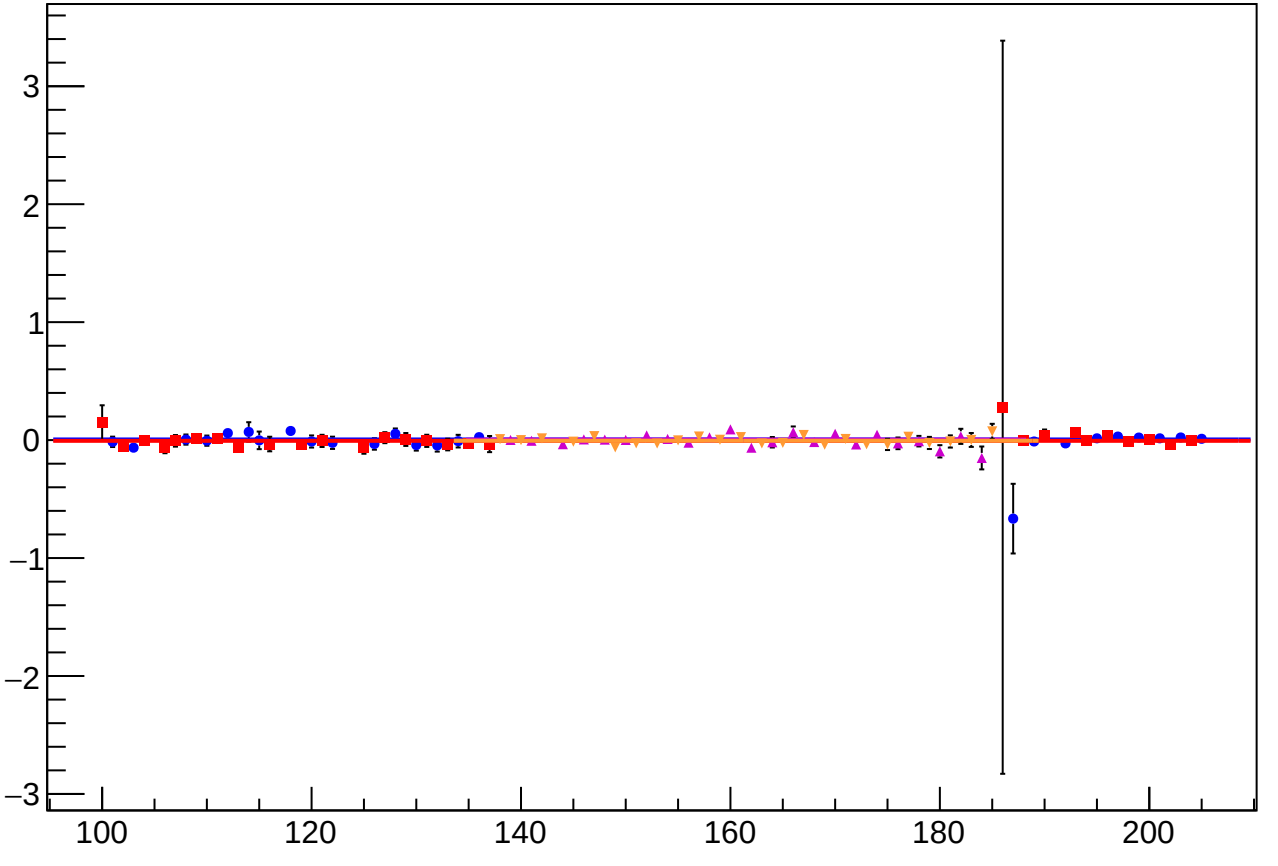
Right: 26.708+/-0.004 χ^2/NDF: 1443051.0/52

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

Out: 27.617+/-0.004 χ^2/NDF:2387816.9/51

All: 27.904+/-0.003 χ^2/NDF: 3960509.3/99

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



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

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

Right Out: -0.006+/-0.007 χ^2/NDF: 22.3/27

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

Left: -0.001+/-0.005 χ^2/NDF: 48.8/46

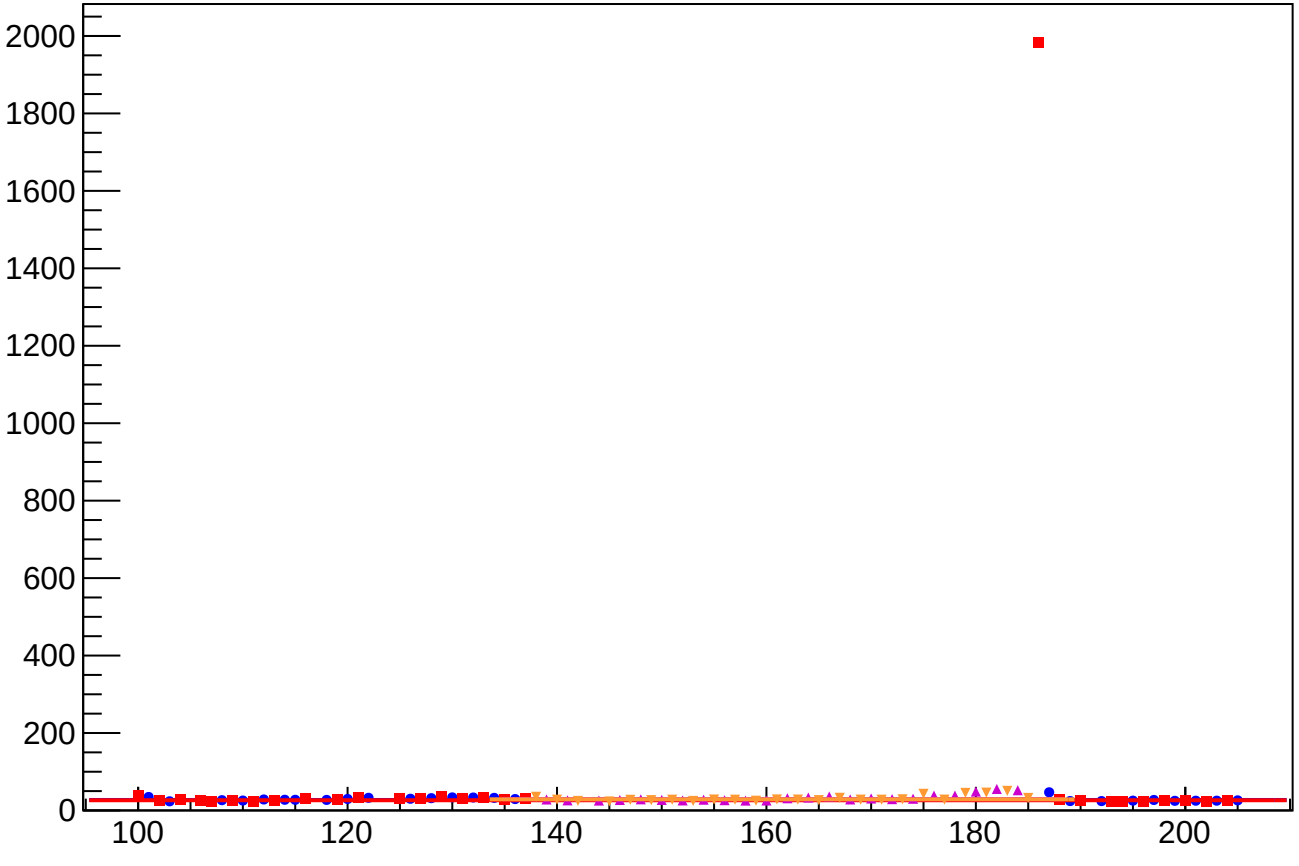
Right: -0.001+/-0.005 χ^2/NDF: 47.7/52

In: 0.005+/-0.005 χ^2/NDF:55.4/47

Out: -0.006+/-0.005 χ^2/NDF:39.1/51

All: -0.001+/-0.004 χ^2/NDF: 96.5/99

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



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

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

Right Out: 26.395+/-0.005 χ^2/NDF: 1105717.2/27

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

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

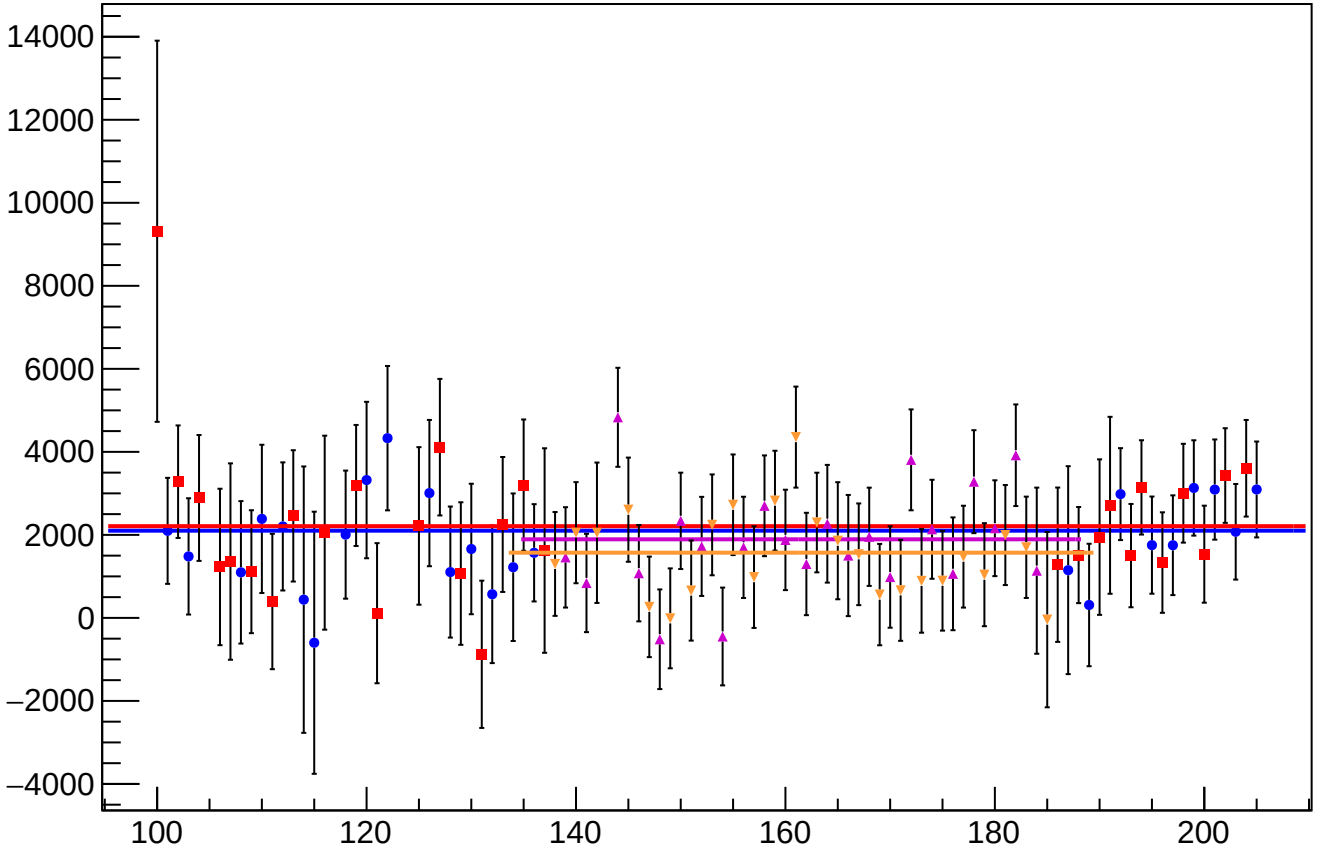
Right: 26.708+/-0.004 χ^2/NDF: 1443051.0/52

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

Out: 27.617+/-0.004 χ^2/NDF:2387816.9/51

All: 27.904+/-0.003 χ^2/NDF: 3960509.3/99

reg_asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 2209.886+/-282.168 χ^2/NDF: 18.3/28

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

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

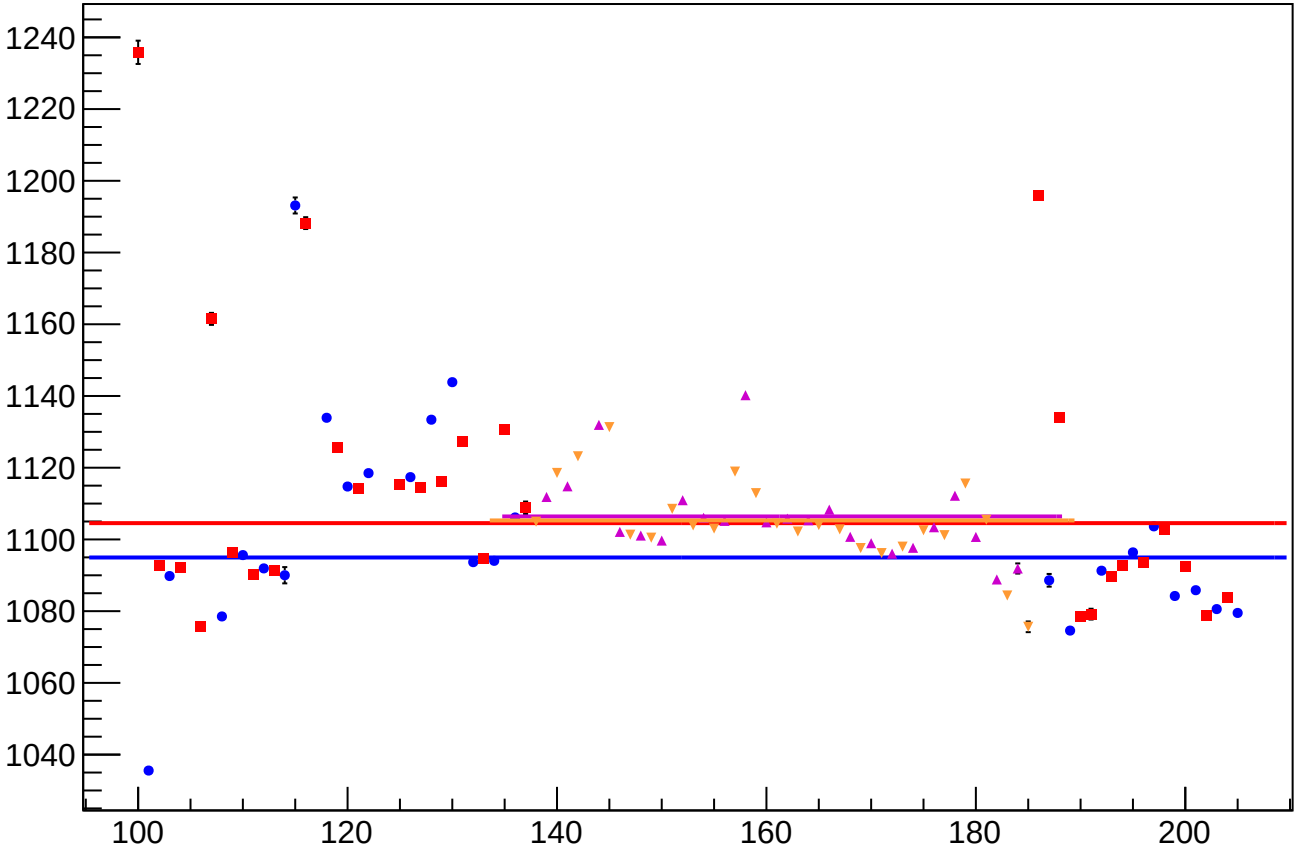
Right: 2157.434+/-202.743 χ^2/NDF: 28.7/53

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

Out: 1860.143+/-189.815 χ^2/NDF:36.4/52

All: 1921.371+/-135.448 χ^2/NDF: 71.4/100

reg_asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

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

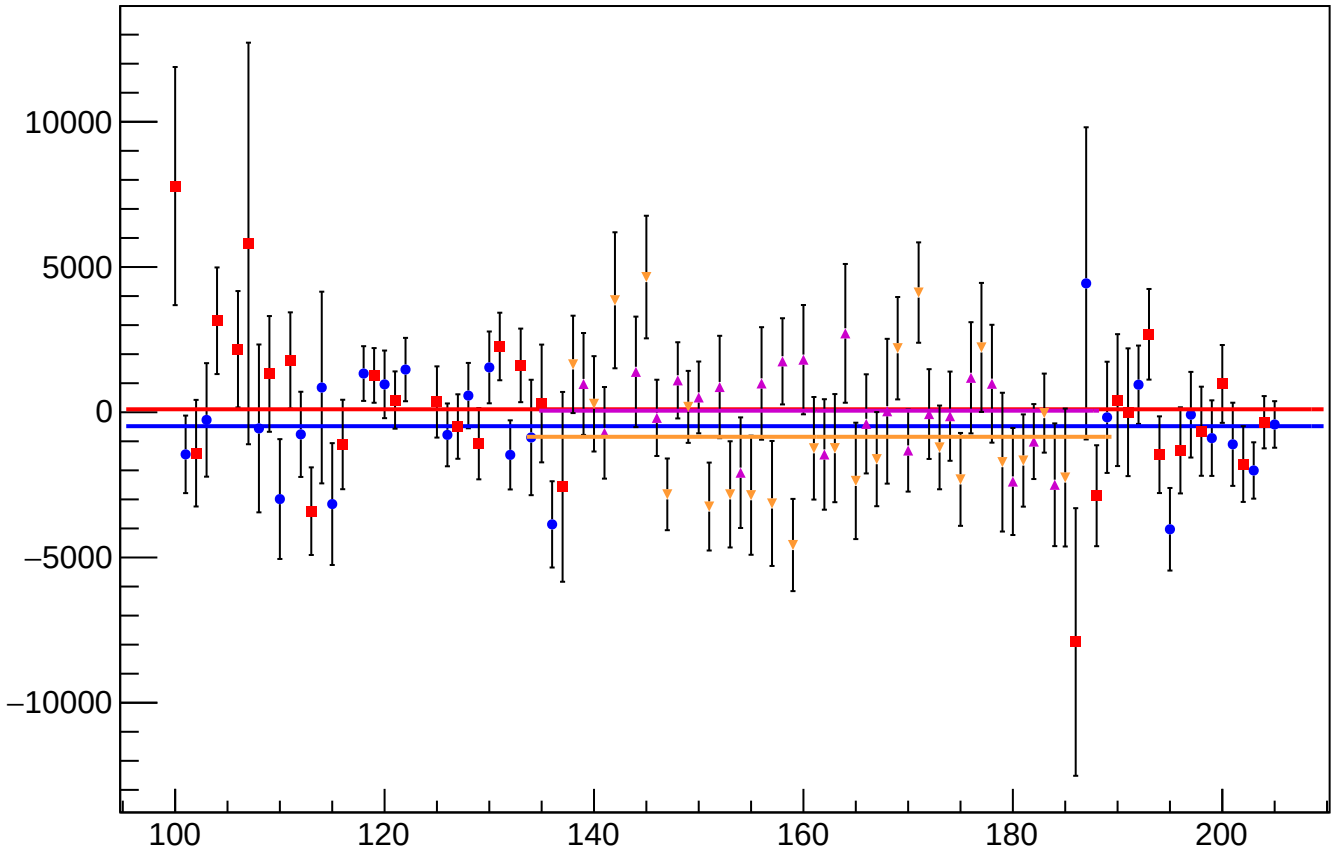
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1099.912+/-0.143 χ^2/NDF: 32058.5/53

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

Out: 1104.955+/-0.134 χ^2/NDF:20655.2/52

All: 1103.197+/-0.096 χ^2/NDF: 39964.0/100



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

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

Right Out: 102.607+/-272.949 χ^2/NDF: 38.6/28

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

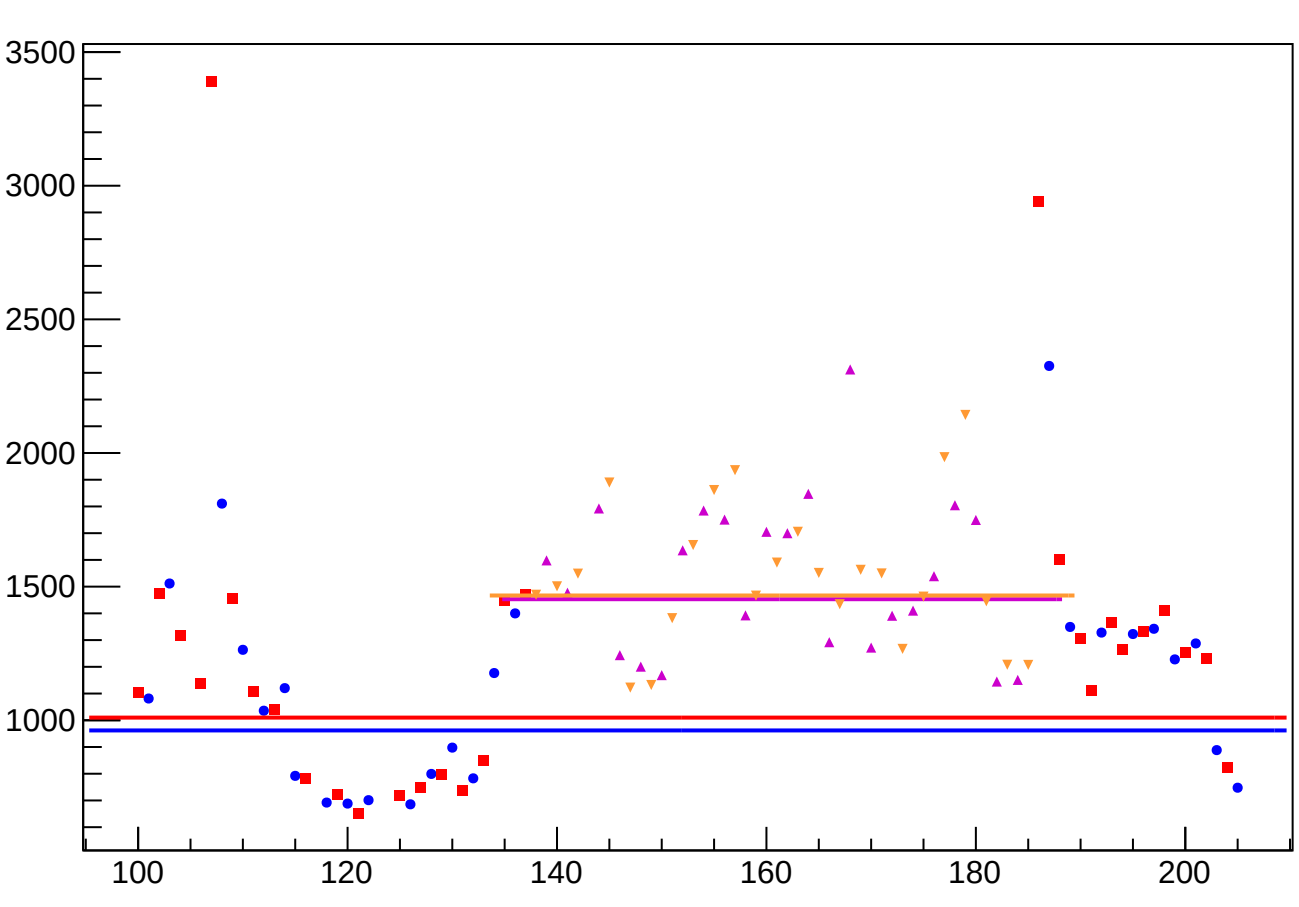
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -193.372+/-191.344 χ^2/NDF: 73.8/53

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

Out: -259.020+/-214.615 χ^2/NDF:87.4/52

All: -269.093+/-150.830 χ^2/NDF: 134.8/100



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

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

Right Out: 1010.002+/-0.193 χ^2/NDF: 2830485.1/28

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

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

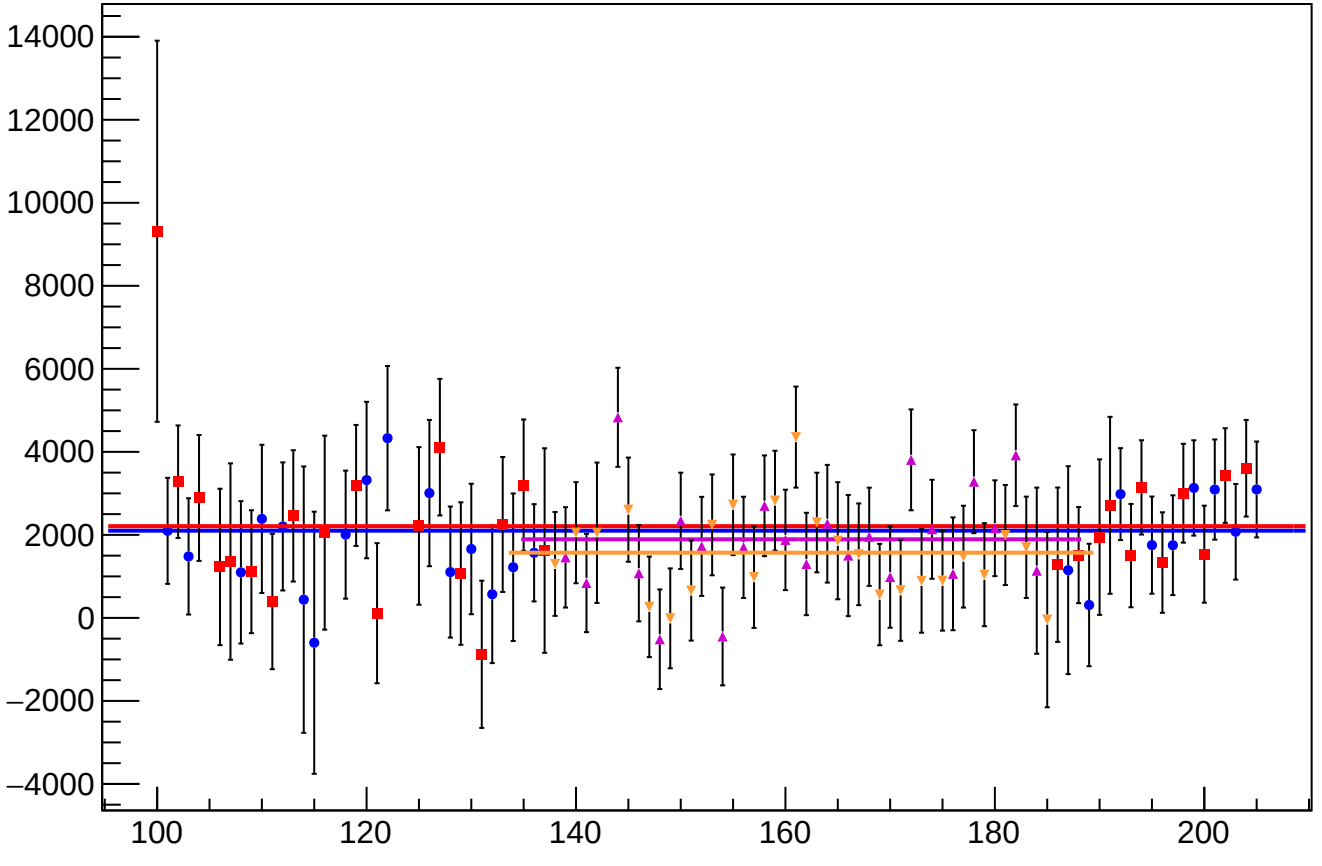
Right: 985.577+/-0.135 χ^2/NDF: 5045356.2/53

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

Out: 1184.407+/-0.152 χ^2/NDF:6012718.2/52

All: 1165.167+/-0.107 χ^2/NDF: 11872932.7/1

cor_asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 2209.878+/-282.168 χ^2/NDF: 18.3/28

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

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

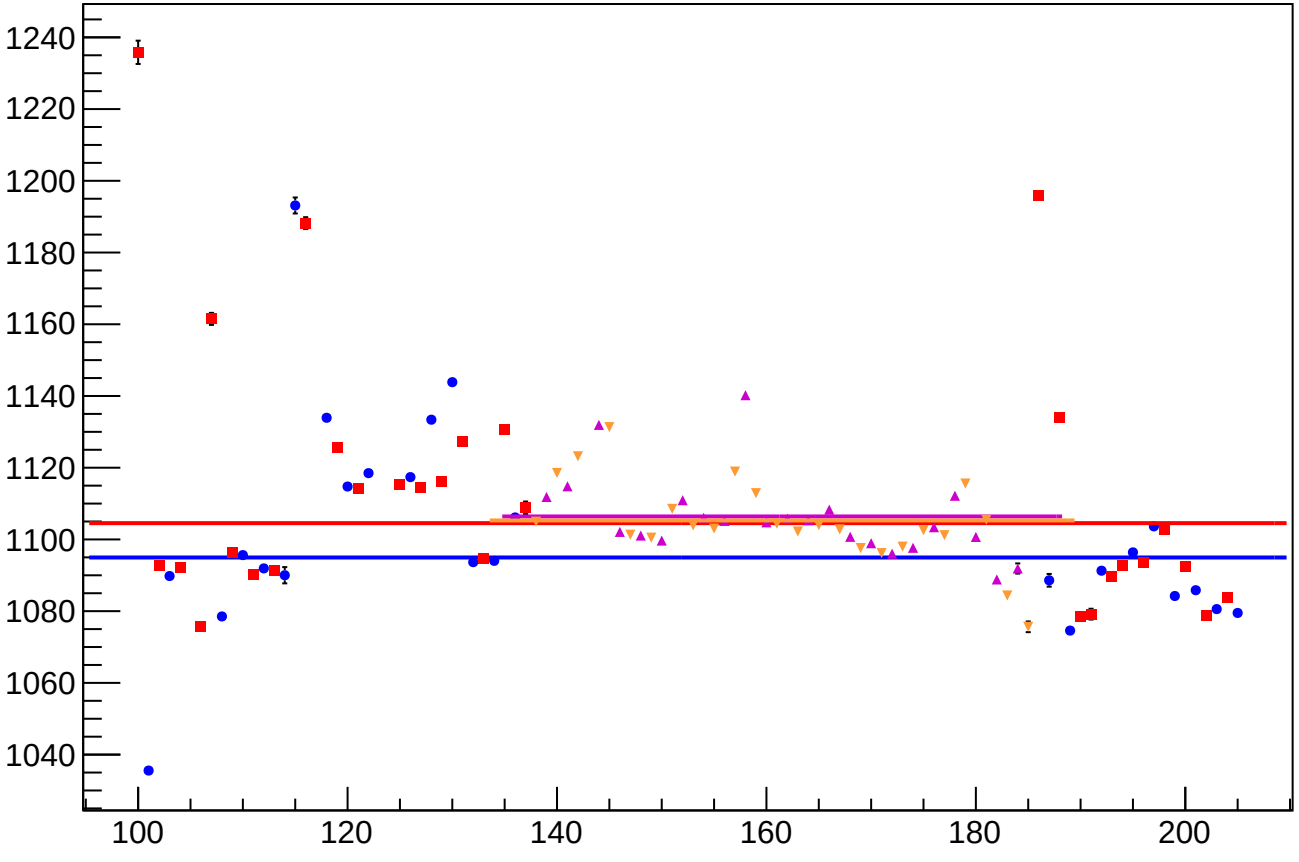
Right: 2157.430+/-202.743 χ^2/NDF: 28.7/53

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

Out: 1860.139+/-189.815 χ^2/NDF:36.4/52

All: 1921.369+/-135.448 χ^2/NDF: 71.4/100

cor_asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

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

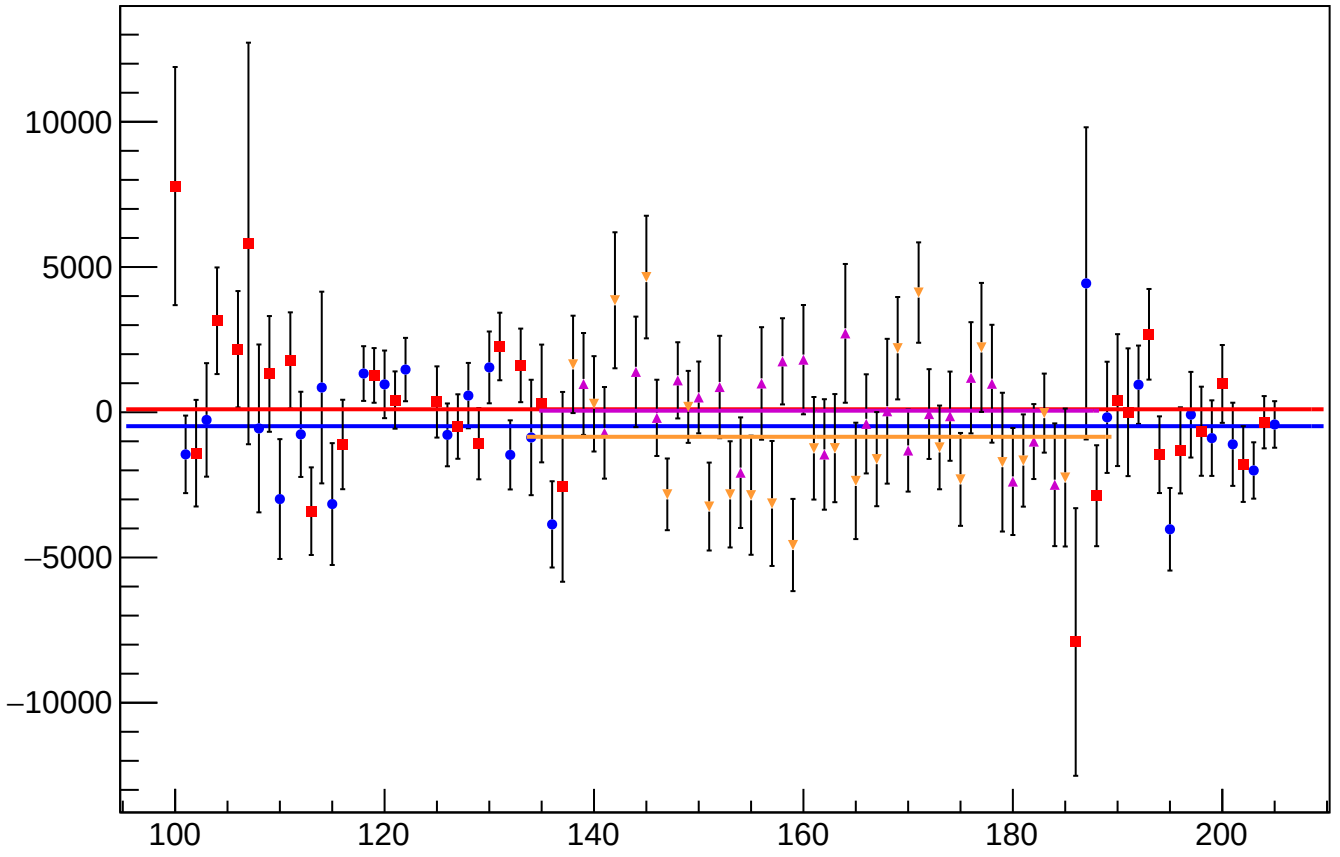
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1099.912+/-0.143 χ^2/NDF: 32058.5/53

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

Out: 1104.955+/-0.134 χ^2/NDF:20655.2/52

All: 1103.197+/-0.096 χ^2/NDF: 39964.0/100



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

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

Right Out: 102.607+/-272.949 χ^2/NDF: 38.6/28

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

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

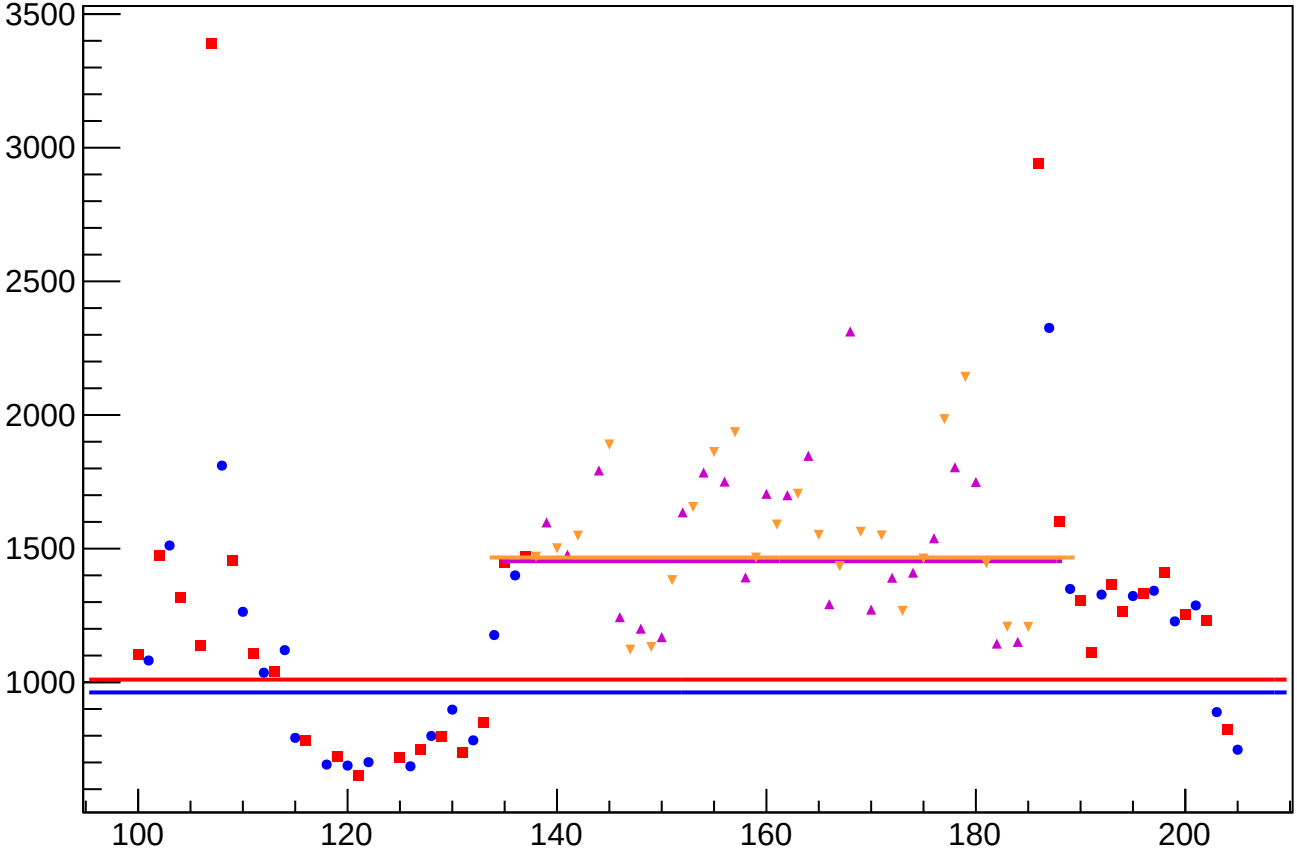
Right: -193.372+/-191.344 χ^2/NDF: 73.8/53

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

Out: -259.020+/-214.615 χ^2/NDF:87.4/52

All: -269.093+/-150.830 χ^2/NDF: 134.8/100

asym_usl_cor_correction_rms vs Slug, Sign Corrected



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

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

Right Out: 1010.001+/-0.193 χ^2/NDF: 2830484.1/28

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

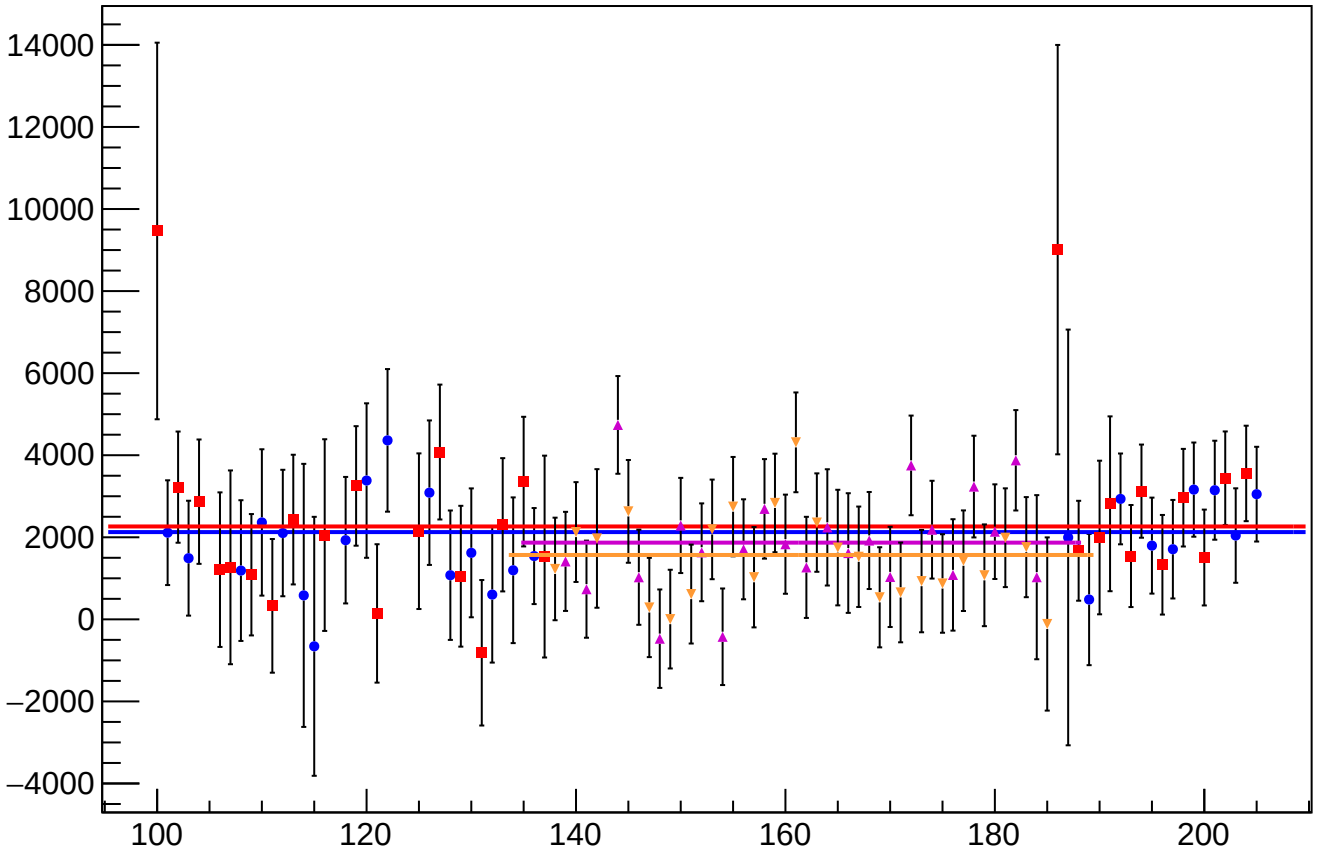
Left: 1459.887+/-0.173 χ^2/NDF: 2174470.2/46

Right: 985.577+/-0.135 χ^2/NDF: 5045355.0/53

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

Out: 1184.407+/-0.152 χ^2/NDF:6012719.0/52

All: 1165.167+/-0.107 χ^2/NDF: 11872933.3/1



Right In: 2126.546+/-293.668 χ^2/NDF: 9.8/24

Left Out: 1568.786+/-256.294 χ^2/NDF:15.4/23

Right Out: 2263.733+/-285.690 χ^2/NDF: 19.7/28

Left In: 1869.342+/-258.099 χ^2/NDF:23.4/22

Left: 1718.009+/-181.862 χ^2/NDF: 39.5/46

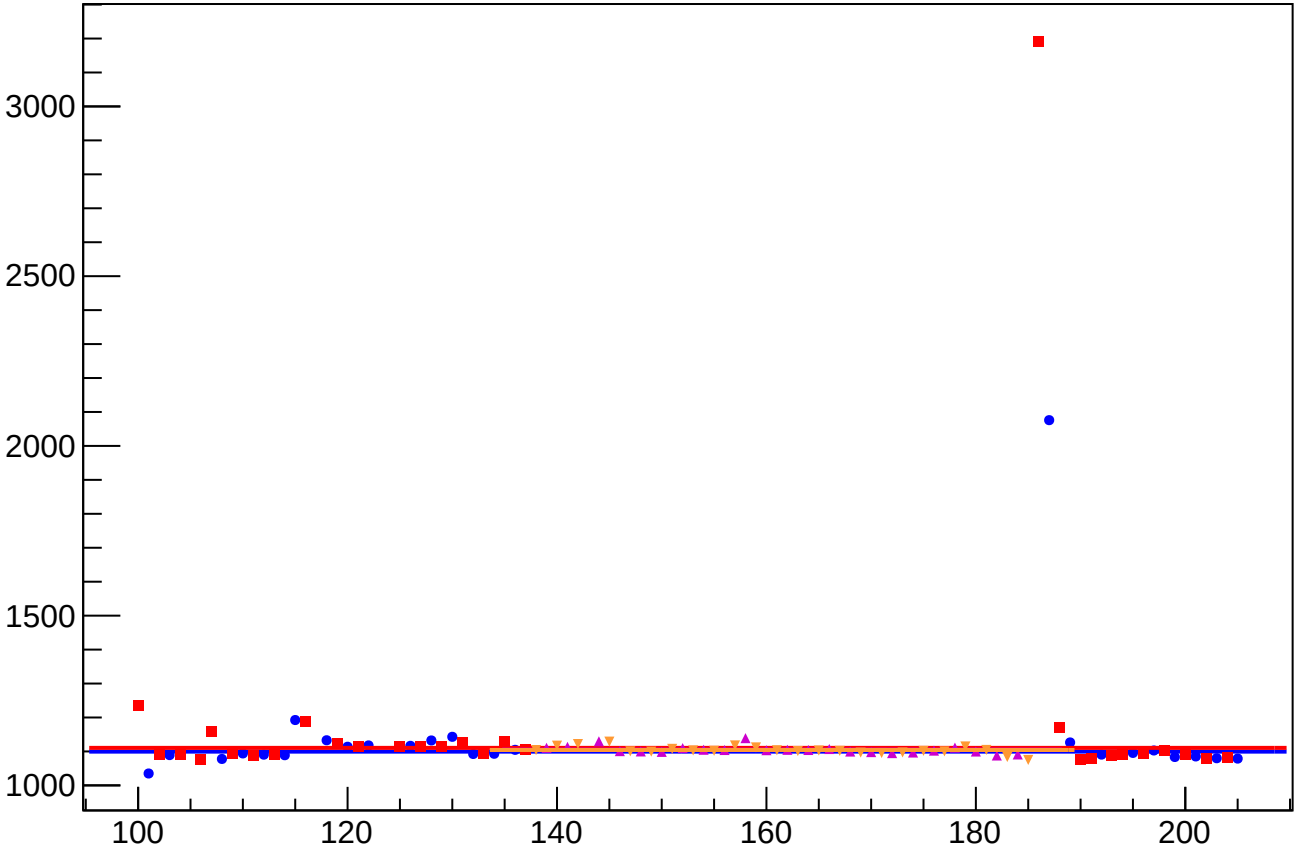
Right: 2197.028+/-204.776 χ^2/NDF: 29.7/53

In: 1981.433+/-193.866 χ^2/NDF:33.7/47

Out: 1878.677+/-190.776 χ^2/NDF:38.4/52

All: 1929.230+/-135.978 χ^2/NDF: 72.2/100

overload_cor_asym_usl_rms vs Slug, Sign Corrected



Right In: 1099.446+/-0.208 χ^2/NDF: 88247.8/24

Left Out: 1104.258+/-0.181 χ^2/NDF:2999.2/23

Right Out: 1110.504+/-0.202 χ^2/NDF: 366179.9/28

Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

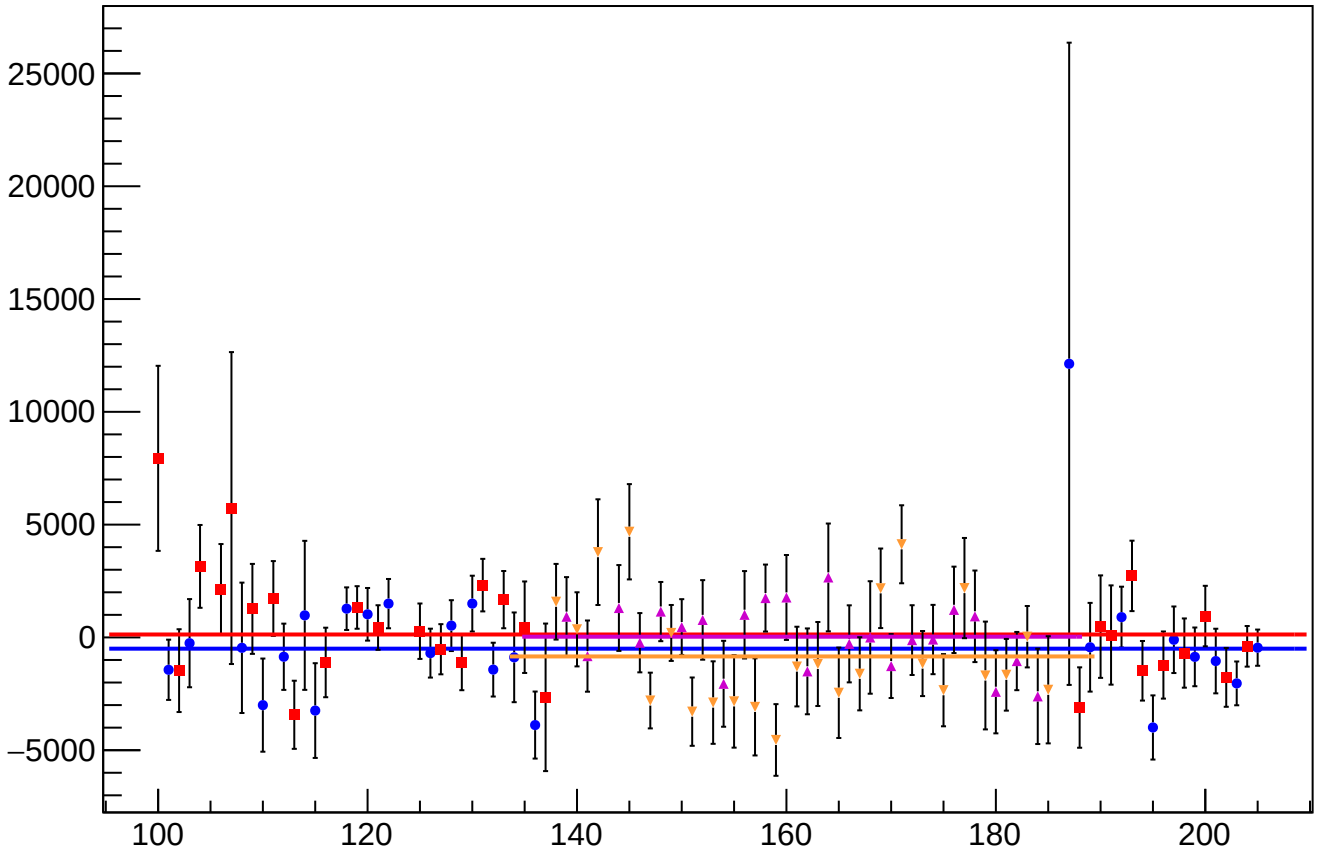
Left: 1104.815+/-0.129 χ^2/NDF: 6679.3/46

Right: 1105.127+/-0.145 χ^2/NDF: 455884.6/53

In: 1102.794+/-0.137 χ^2/NDF:92369.7/47

Out: 1107.043+/-0.135 χ^2/NDF:369708.7/52

All: 1104.953+/-0.096 χ^2/NDF: 462566.6/100



Right In: -499.231+/-269.067 χ^2/NDF: 32.5/24

Left Out: -843.280+/-347.538 χ^2/NDF:44.0/23

Right Out: 129.708+/-273.936 χ^2/NDF: 36.6/27

Left In: 31.387+/-346.155 χ^2/NDF:13.1/22

Left: -404.203+/-245.256 χ^2/NDF: 60.3/46

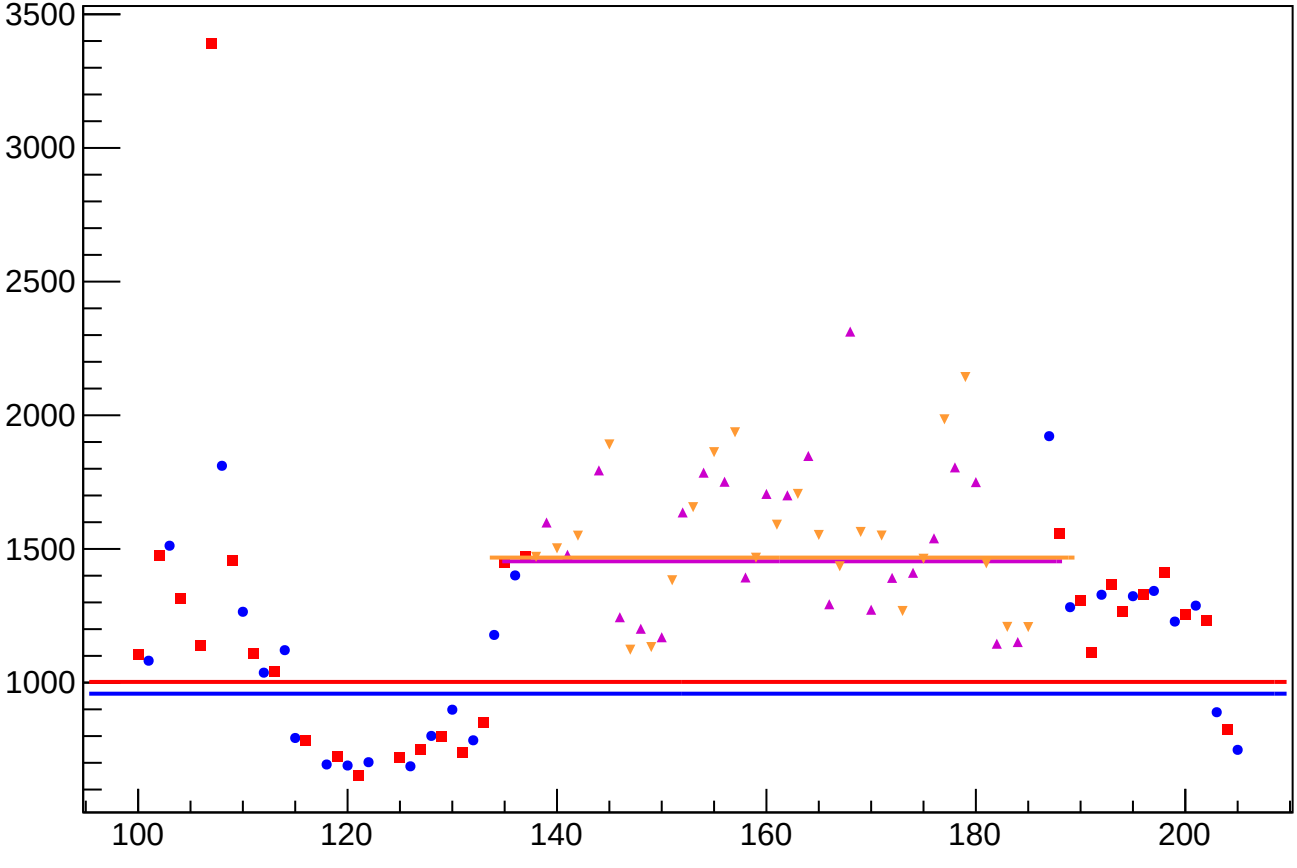
Right: -190.400+/-191.957 χ^2/NDF: 71.8/52

In: -299.381+/-212.438 χ^2/NDF:47.0/47

Out: -243.147+/-215.139 χ^2/NDF:85.5/51

All: -271.619+/-151.162 χ^2/NDF: 132.5/99

asym_usl_overload_cor_correction_rms vs Slug, Sign Corrected



Right In: 958.581+/-0.190 χ^2/NDF: 2026243.4/24

Left Out: 1467.697+/-0.246 χ^2/NDF:1041877.5/23

Right Out: 1002.579+/-0.194 χ^2/NDF: 2423321.0/27

Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

Left: 1460.738+/-0.173 χ^2/NDF: 2171472.5/46

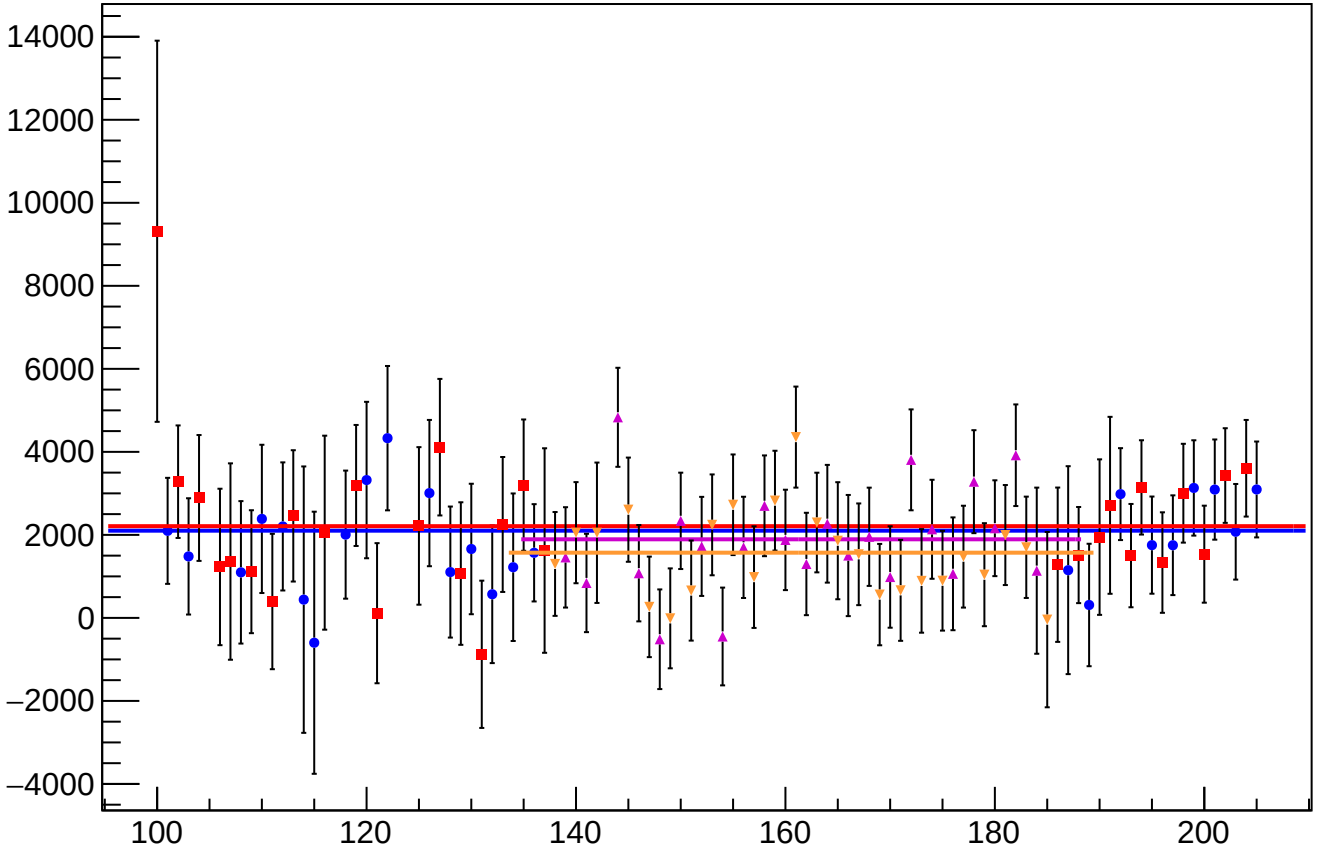
Right: 980.185+/-0.136 χ^2/NDF: 4475823.9/52

In: 1145.111+/-0.150 χ^2/NDF:5706263.9/47

Out: 1180.815+/-0.152 χ^2/NDF:5674687.5/51

All: 1162.737+/-0.107 χ^2/NDF: 11408841.6/9

eigen_cor_asym_usl_mean vs Slug, Sign Corrected



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

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

Right Out: 2209.878+/-282.168 χ^2/NDF: 18.3/28

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

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

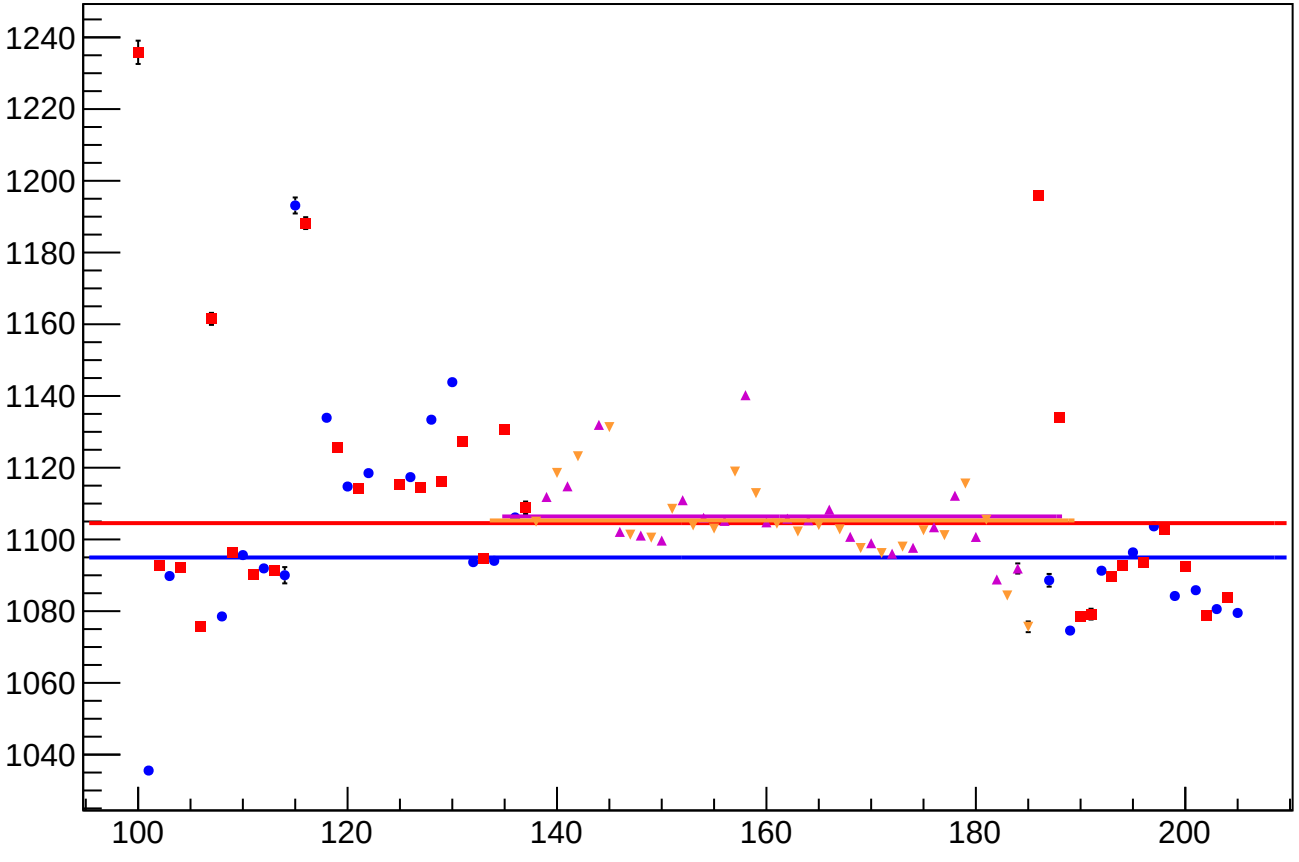
Right: 2157.430+/-202.743 χ^2/NDF: 28.7/53

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

Out: 1860.139+/-189.815 χ^2/NDF:36.4/52

All: 1921.369+/-135.448 χ^2/NDF: 71.4/100

eigen_cor_asym_usl_rms vs Slug, Sign Corrected



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

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

Right Out: 1104.546+/-0.200 χ^2/NDF: 17485.7/28

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

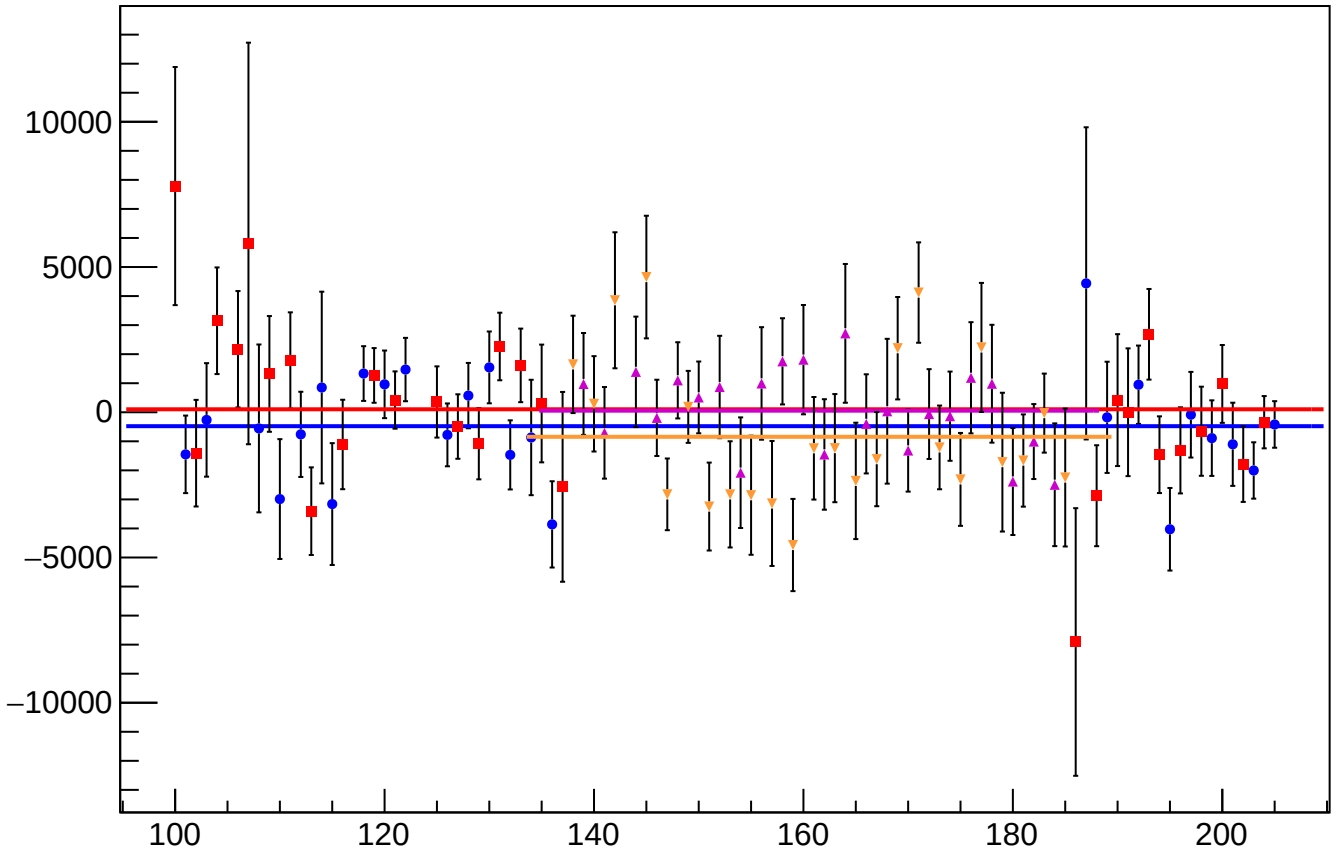
Left: 1105.846+/-0.129 χ^2/NDF: 6956.8/46

Right: 1099.912+/-0.143 χ^2/NDF: 32058.5/53

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

Out: 1104.955+/-0.134 χ^2/NDF:20655.2/52

All: 1103.197+/-0.096 χ^2/NDF: 39964.0/100



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

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

Right Out: 102.607+/-272.949 χ^2/NDF: 38.6/28

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

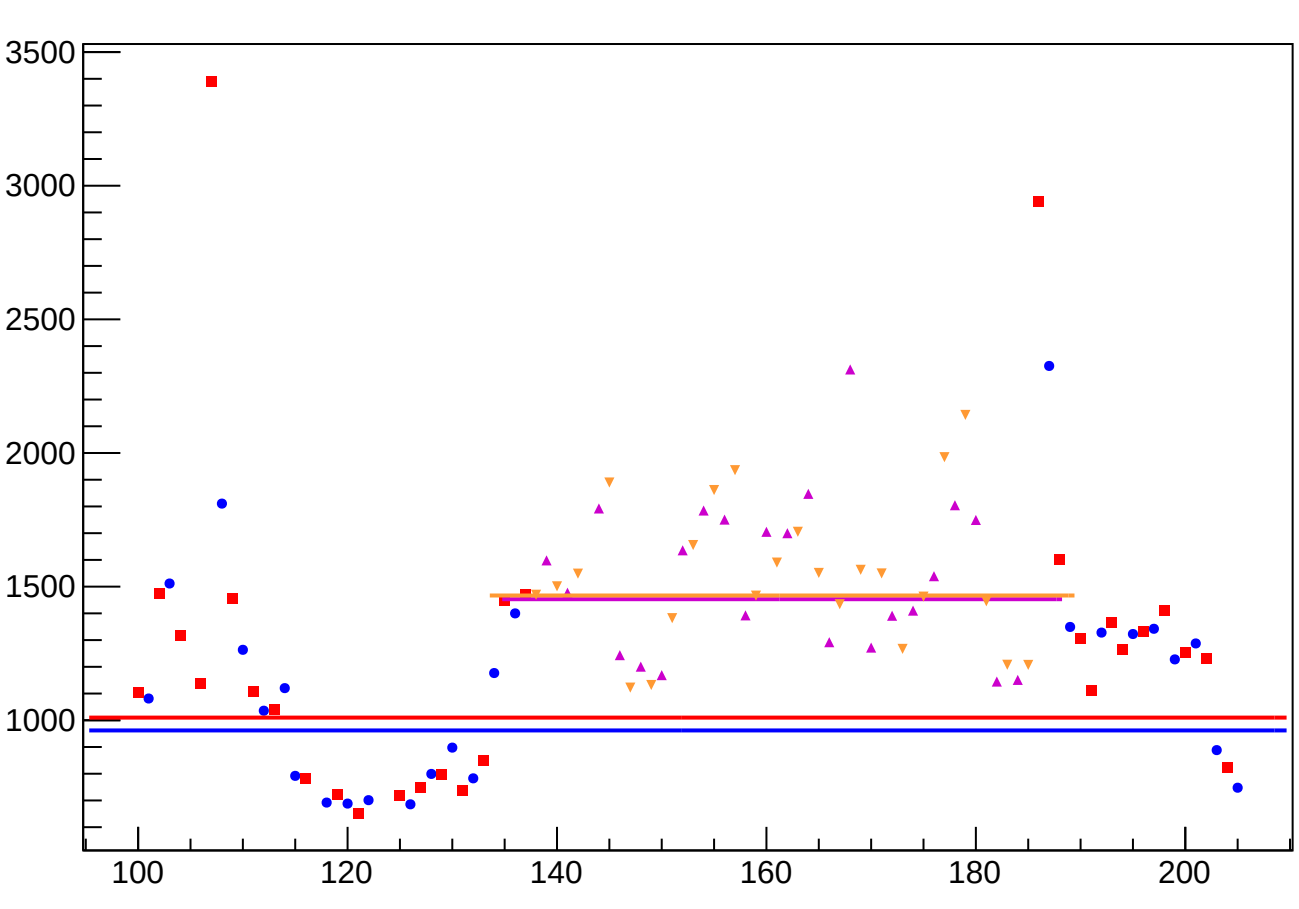
Left: -393.356+/-245.120 χ^2/NDF: 60.6/46

Right: -193.372+/-191.344 χ^2/NDF: 73.8/53

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

Out: -259.020+/-214.615 χ^2/NDF:87.4/52

All: -269.093+/-150.830 χ^2/NDF: 134.8/100



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

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

Right Out: 1010.001+/-0.193 χ^2/NDF: 2830484.1/28

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

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

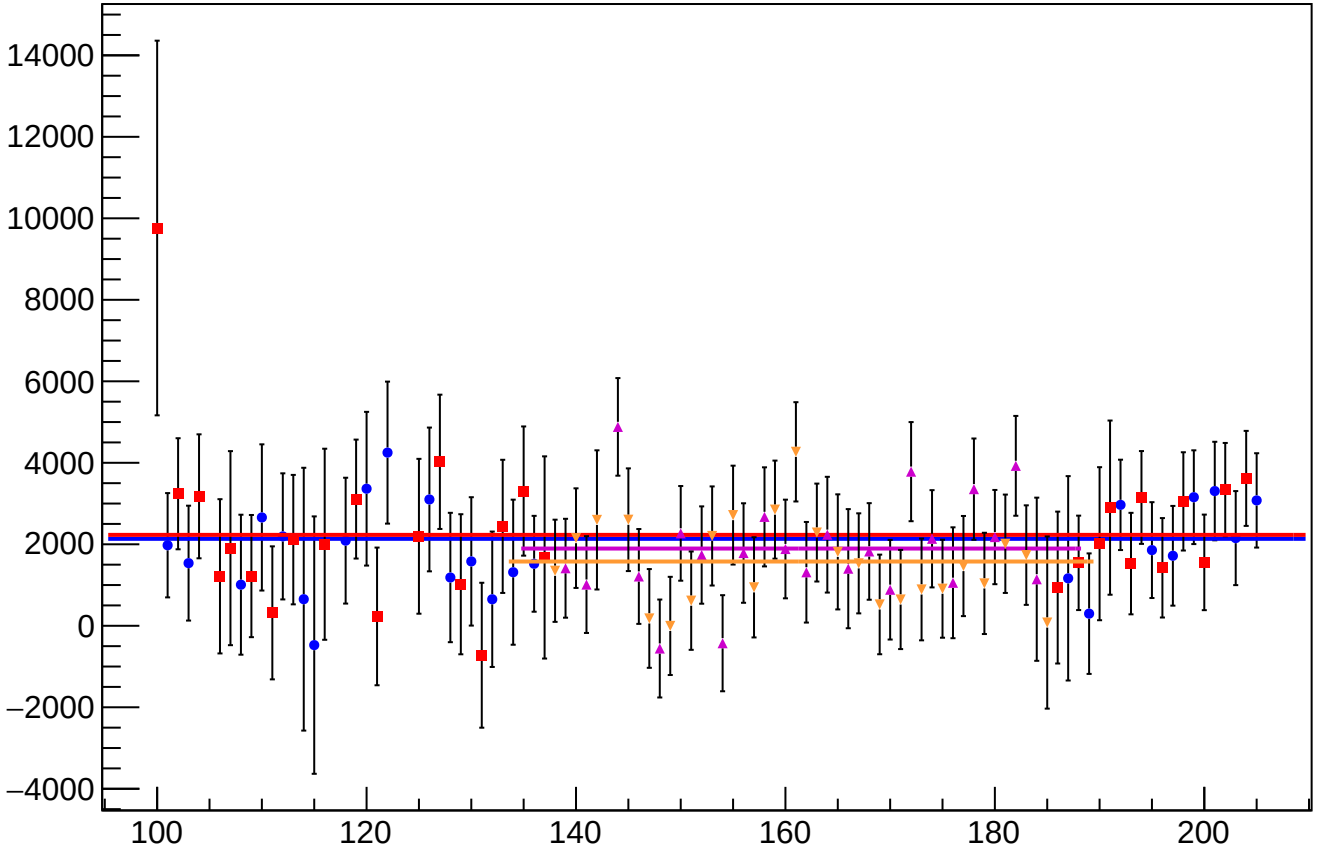
Right: 985.577+/-0.135 χ^2/NDF: 5045355.0/53

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

Out: 1184.407+/-0.152 χ^2/NDF:6012719.0/52

All: 1165.167+/-0.107 χ^2/NDF: 11872933.3/1

dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2134.085+/-292.534 χ^2/NDF: 10.4/24

Left Out: 1577.402+/-257.003 χ^2/NDF:15.5/23

Right Out: 2231.126+/-283.263 χ^2/NDF: 18.0/28

Left In: 1895.548+/-258.750 χ^2/NDF:24.1/22

Left: 1735.397+/-182.343 χ^2/NDF: 40.4/46

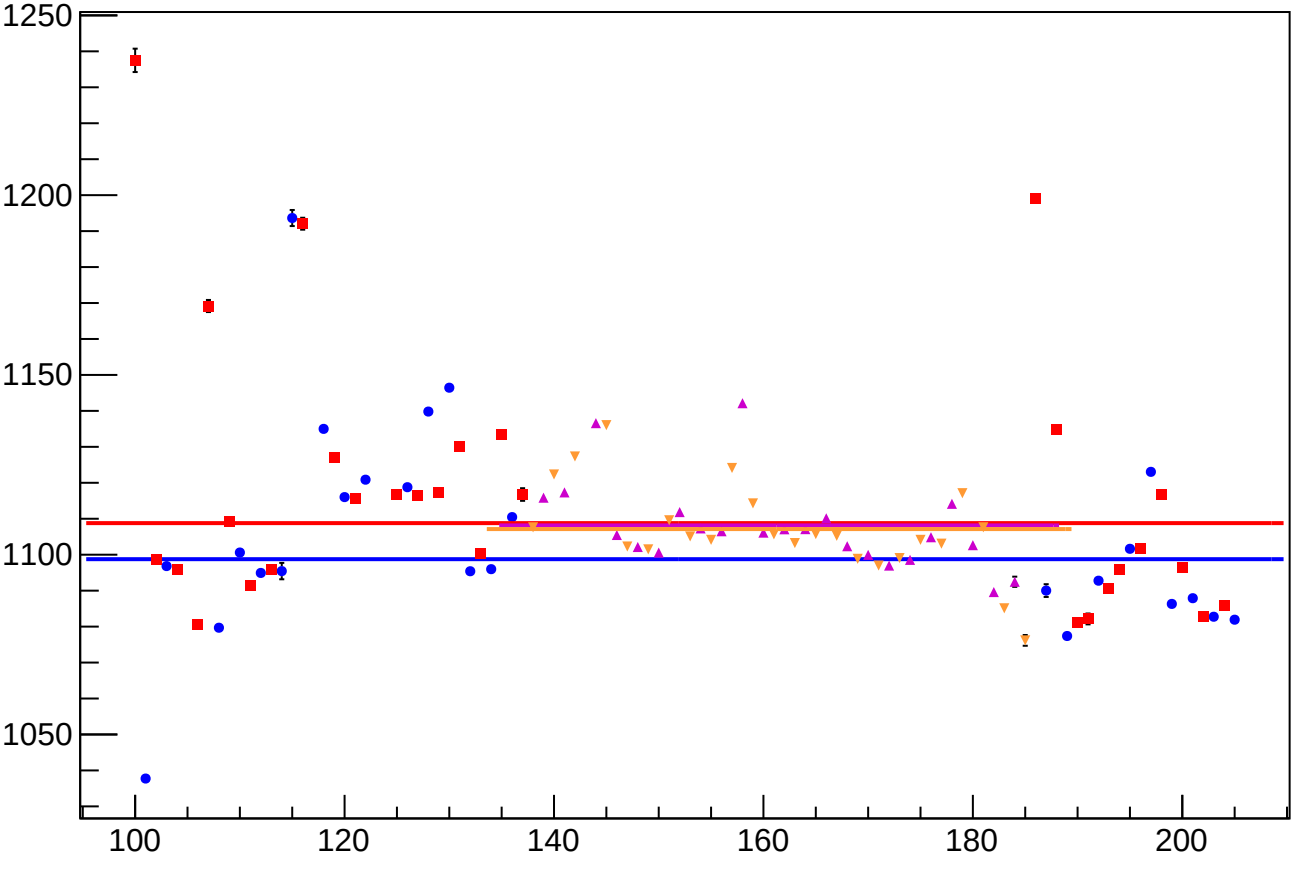
Right: 2184.168+/-203.496 χ^2/NDF: 28.4/53

In: 2000.253+/-193.813 χ^2/NDF:34.9/47

Out: 1872.565+/-190.337 χ^2/NDF:36.5/52

All: 1935.253+/-135.801 χ^2/NDF: 71.5/100

dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.756+/-0.207 χ^2/NDF: 14350.2/24

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1108.784+/-0.200 χ^2/NDF: 17056.8/28

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

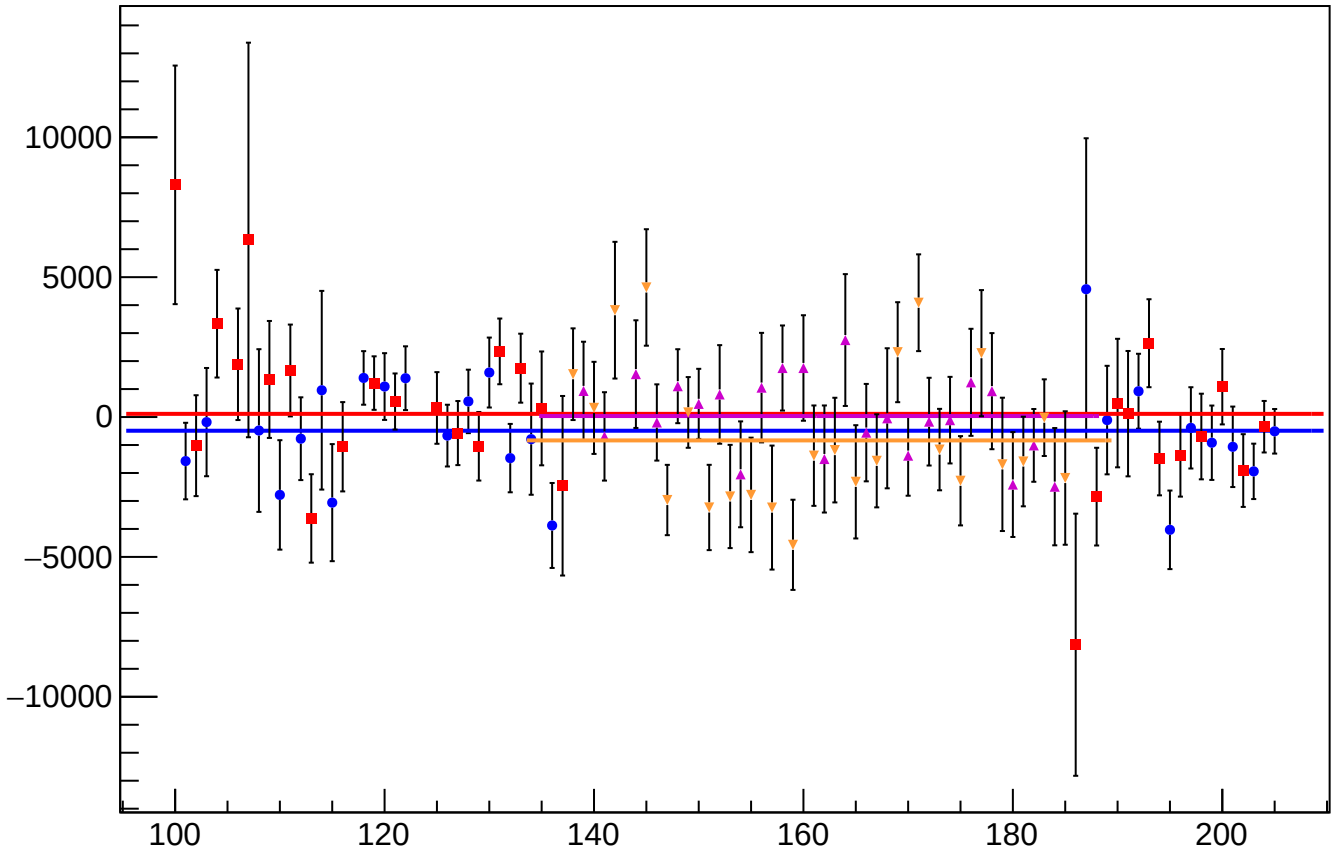
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1103.931+/-0.144 χ^2/NDF: 32620.0/53

In: 1104.024+/-0.137 χ^2/NDF:19696.9/47

Out: 1107.875+/-0.135 χ^2/NDF:20878.1/52

All: 1105.984+/-0.096 χ^2/NDF: 40976.9/100



Right In: -489.533+/-271.294 χ^2/NDF: 32.2/24

Left Out: -835.288+/-350.615 χ^2/NDF:43.6/23

Right Out: 113.604+/-276.317 χ^2/NDF: 39.2/28

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

Left: -398.668+/-247.575 χ^2/NDF: 59.8/46

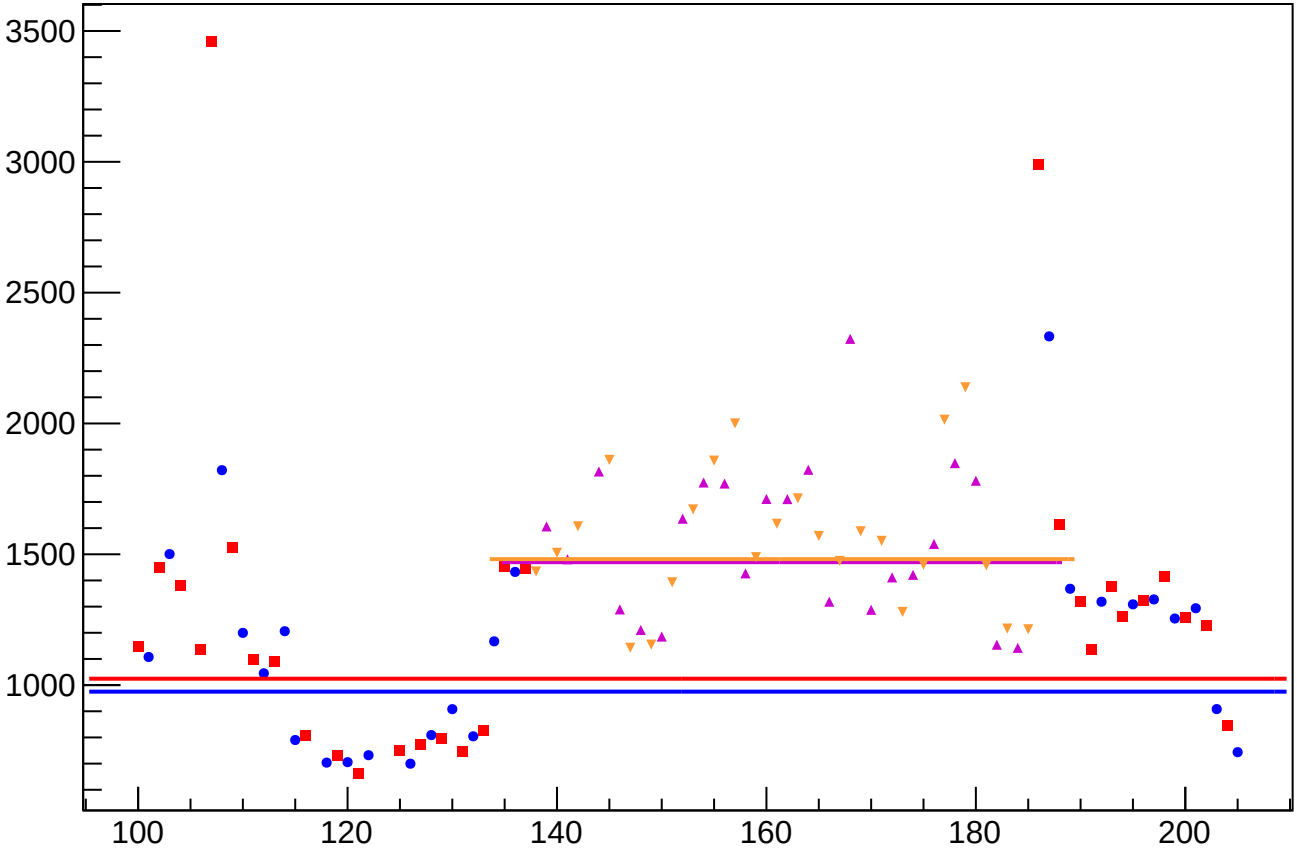
Right: -193.496+/-193.585 χ^2/NDF: 73.8/53

In: -292.215+/-214.338 χ^2/NDF:46.7/47

Out: -249.946+/-217.022 χ^2/NDF:87.3/52

All: -271.344+/-152.500 χ^2/NDF: 134.0/100

asym_usl_dit_correction_rms vs Slug, Sign Corrected



Right In: 975.006+/-0.192 χ^2/NDF: 2092327.1/24

Left Out: 1481.543+/-0.248 χ^2/NDF:1017463.8/23

Right Out: 1024.509+/-0.195 χ^2/NDF: 2758638.4/28

Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

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

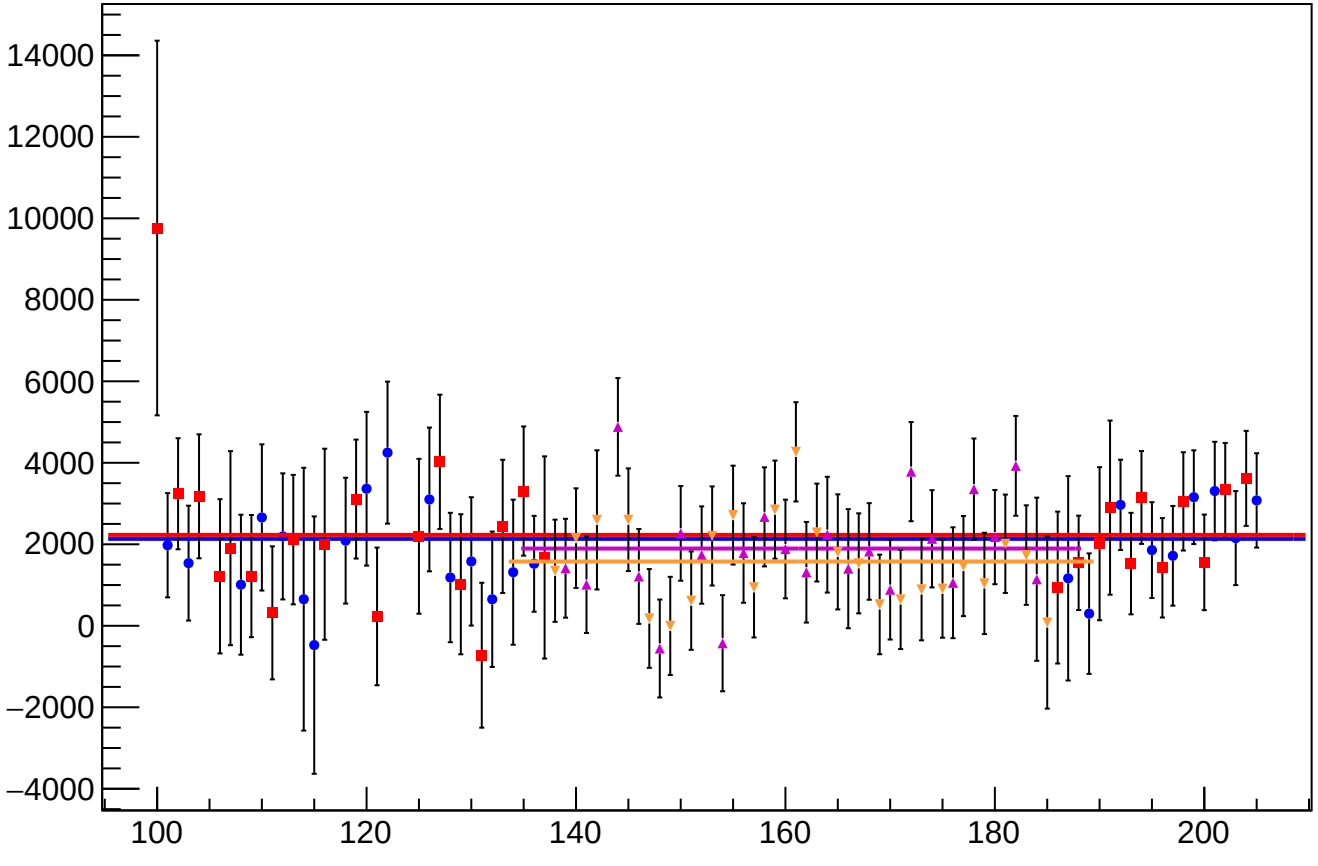
Right: 999.303+/-0.137 χ^2/NDF: 4883650.6/53

In: 1160.994+/-0.152 χ^2/NDF:5688609.1/47

Out: 1199.613+/-0.153 χ^2/NDF:5872429.9/52

All: 1180.063+/-0.108 χ^2/NDF: 11593099.8/1

eigen_dit_asym_usl_mean vs Slug, Sign Corrected



Right In: 2134.084+/-292.534 χ^2/NDF: 10.4/24

Left Out: 1577.399+/-257.003 χ^2/NDF:15.5/23

Right Out: 2231.125+/-283.263 χ^2/NDF: 18.0/28

Left In: 1895.549+/-258.750 χ^2/NDF:24.1/22

Left: 1735.396+/-182.343 χ^2/NDF: 40.4/46

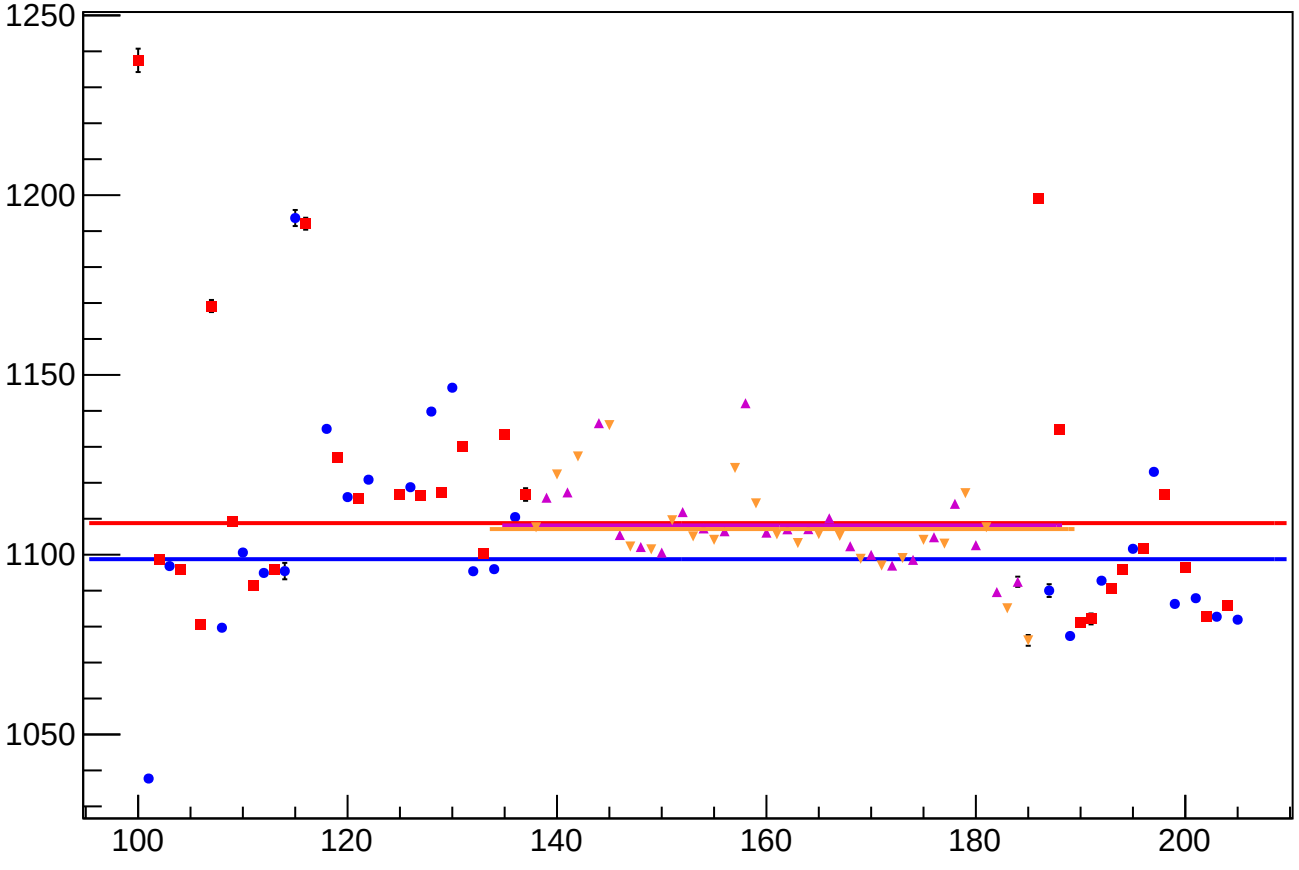
Right: 2184.167+/-203.496 χ^2/NDF: 28.4/53

In: 2000.253+/-193.813 χ^2/NDF:34.9/47

Out: 1872.562+/-190.337 χ^2/NDF:36.5/52

All: 1935.252+/-135.801 χ^2/NDF: 71.5/100

eigen_dit_asym_usl_rms vs Slug, Sign Corrected



Right In: 1098.756+/-0.207 χ^2/NDF: 14350.2/24

Left Out: 1107.127+/-0.182 χ^2/NDF:3783.7/23

Right Out: 1108.784+/-0.200 χ^2/NDF: 17056.8/28

Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

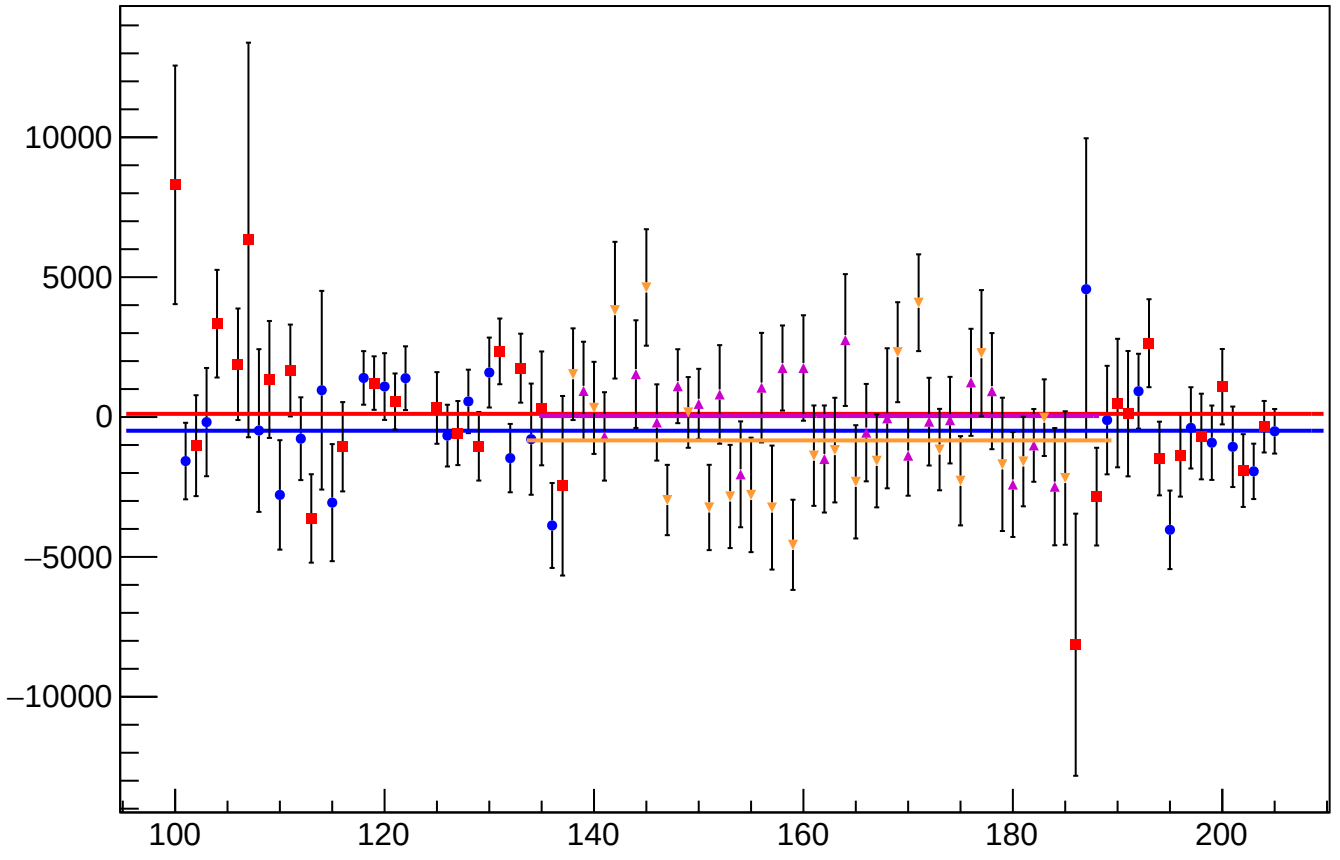
Left: 1107.633+/-0.129 χ^2/NDF: 7989.9/46

Right: 1103.931+/-0.144 χ^2/NDF: 32620.0/53

In: 1104.024+/-0.137 χ^2/NDF:19696.9/47

Out: 1107.875+/-0.135 χ^2/NDF:20878.0/52

All: 1105.984+/-0.096 χ^2/NDF: 40976.9/100



Right In: -489.531+/-271.294 χ^2/NDF: 32.2/24

Left Out: -835.291+/-350.615 χ^2/NDF:43.6/23

Right Out: 113.605+/-276.317 χ^2/NDF: 39.2/28

Left In: 35.516+/-349.636 χ^2/NDF:13.1/22

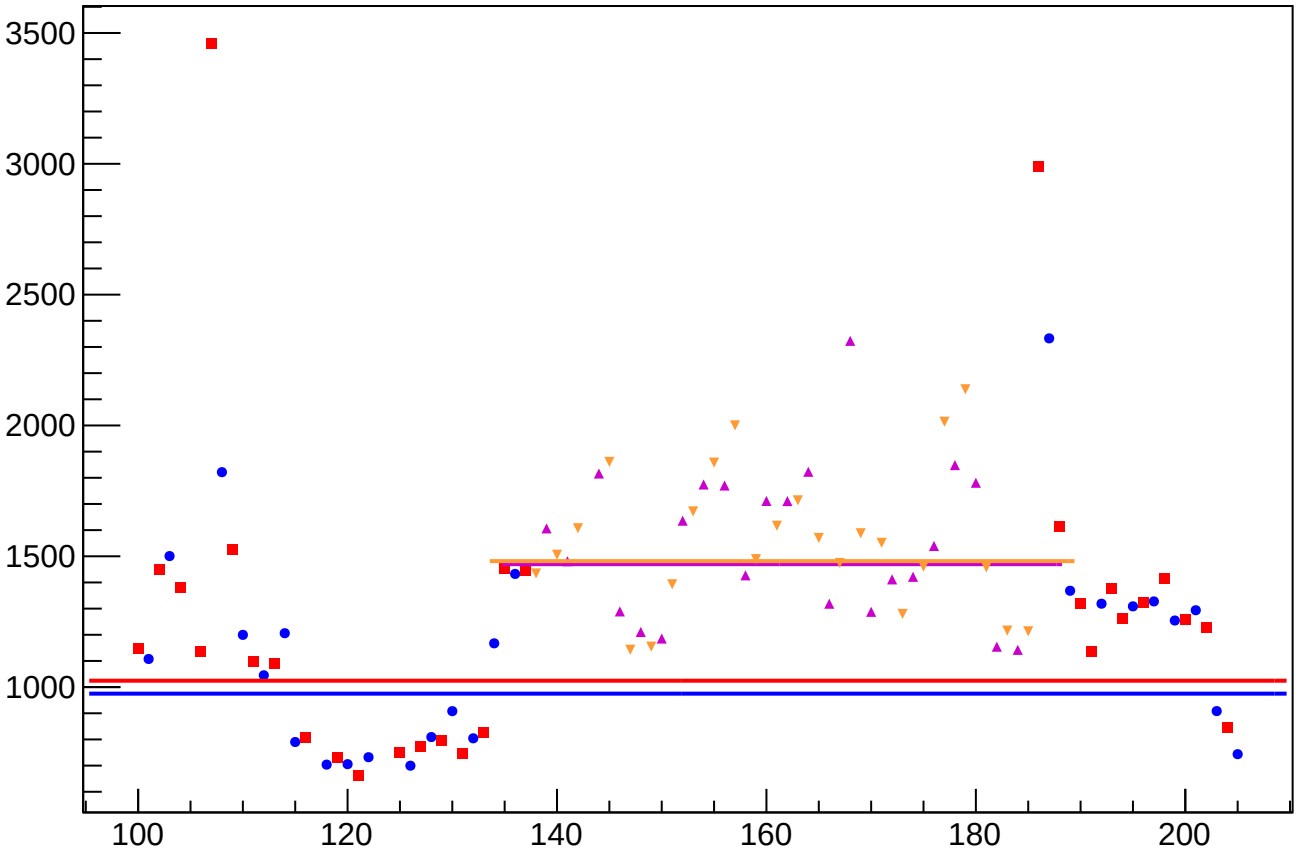
Left: -398.669+/-247.576 χ^2/NDF: 59.8/46

Right: -193.495+/-193.585 χ^2/NDF: 73.8/53

In: -292.214+/-214.338 χ^2/NDF:46.7/47

Out: -249.946+/-217.022 χ^2/NDF:87.3/52

All: -271.343+/-152.500 χ^2/NDF: 134.0/100



Right In: 975.005+/-0.192 χ^2/NDF: 2092335.2/24

Left Out: 1481.545+/-0.248 χ^2/NDF:1017460.8/23

Right Out: 1024.508+/-0.195 χ^2/NDF: 2758650.7/28

Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

Left: 1475.710+/-0.175 χ^2/NDF: 2113619.5/46

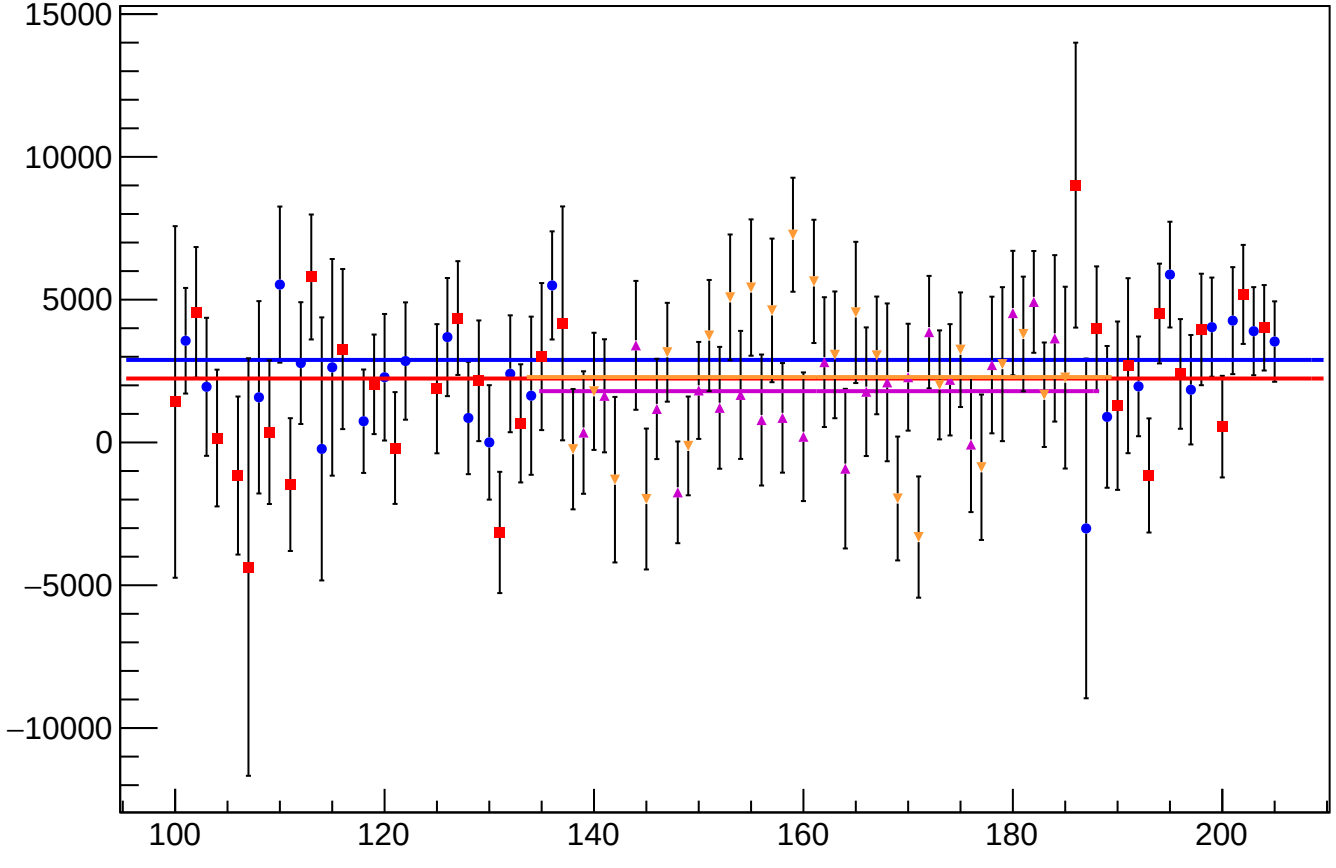
Right: 999.302+/-0.137 χ^2/NDF: 4883670.6/53

In: 1160.993+/-0.152 χ^2/NDF:5688639.5/47

Out: 1199.612+/-0.153 χ^2/NDF:5872466.8/52

All: 1180.062+/-0.108 χ^2/NDF: 11593166.8/1

asym_usl_mean vs Slug, Sign Corrected



Right In: 2890.004+/-415.896 χ^2/NDF: 15.2/24

Left Out: 2289.701+/-439.328 χ^2/NDF:36.0/23

Right Out: 2238.892+/-414.212 χ^2/NDF: 33.2/28

Left In: 1796.308+/-439.143 χ^2/NDF:14.2/22

Left: 2042.900+/-310.586 χ^2/NDF: 50.9/46

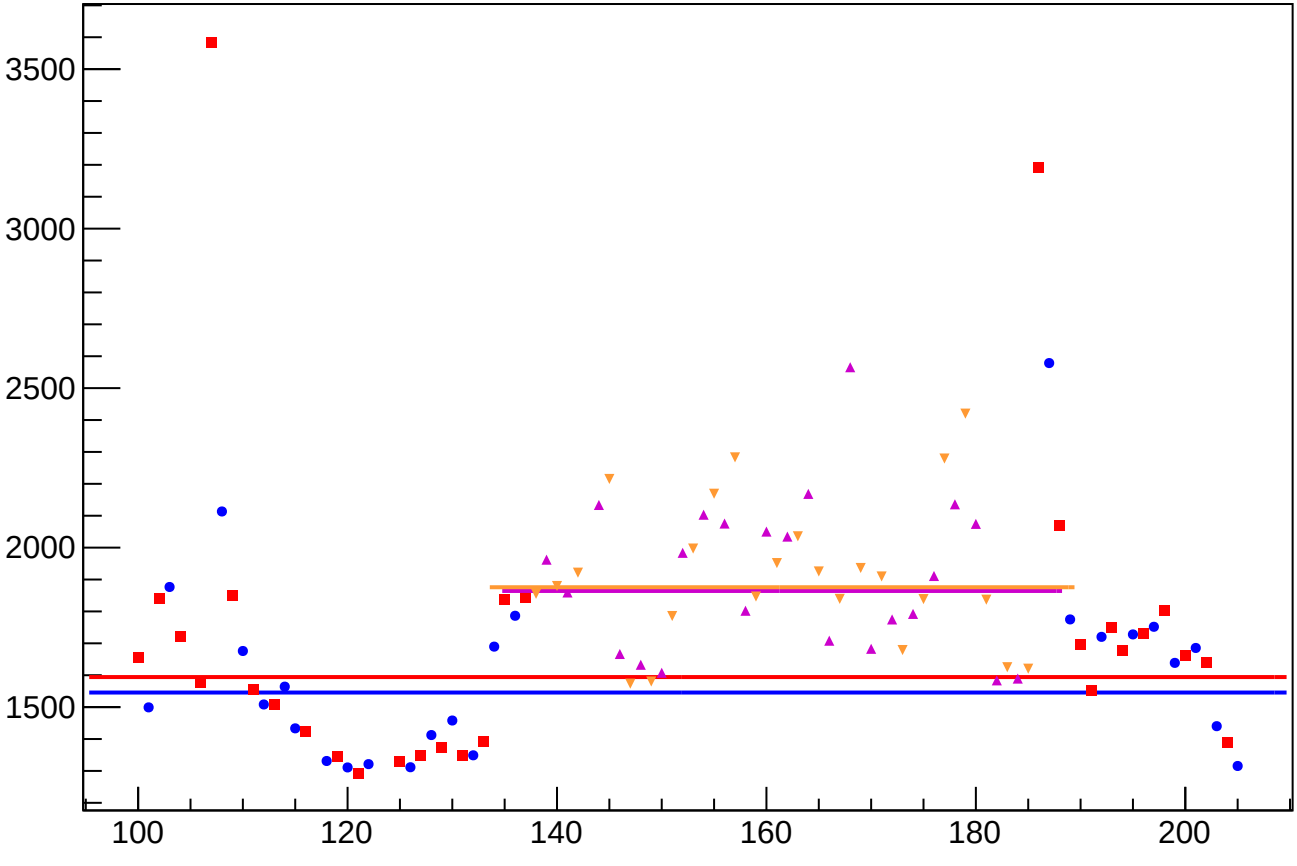
Right: 2563.127+/-293.486 χ^2/NDF: 49.6/53

In: 2372.870+/-301.967 χ^2/NDF:32.7/47

Out: 2262.803+/-301.380 χ^2/NDF:69.3/52

All: 2317.729+/-213.315 χ^2/NDF: 102.0/100

asym_usl_rms vs Slug, Sign Corrected



Right In: 1545.735+/-0.294 χ^2/NDF: 491333.8/24

Left Out: 1875.818+/-0.311 χ^2/NDF:472556.0/23

Right Out: 1594.240+/-0.293 χ^2/NDF: 844159.2/28

Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

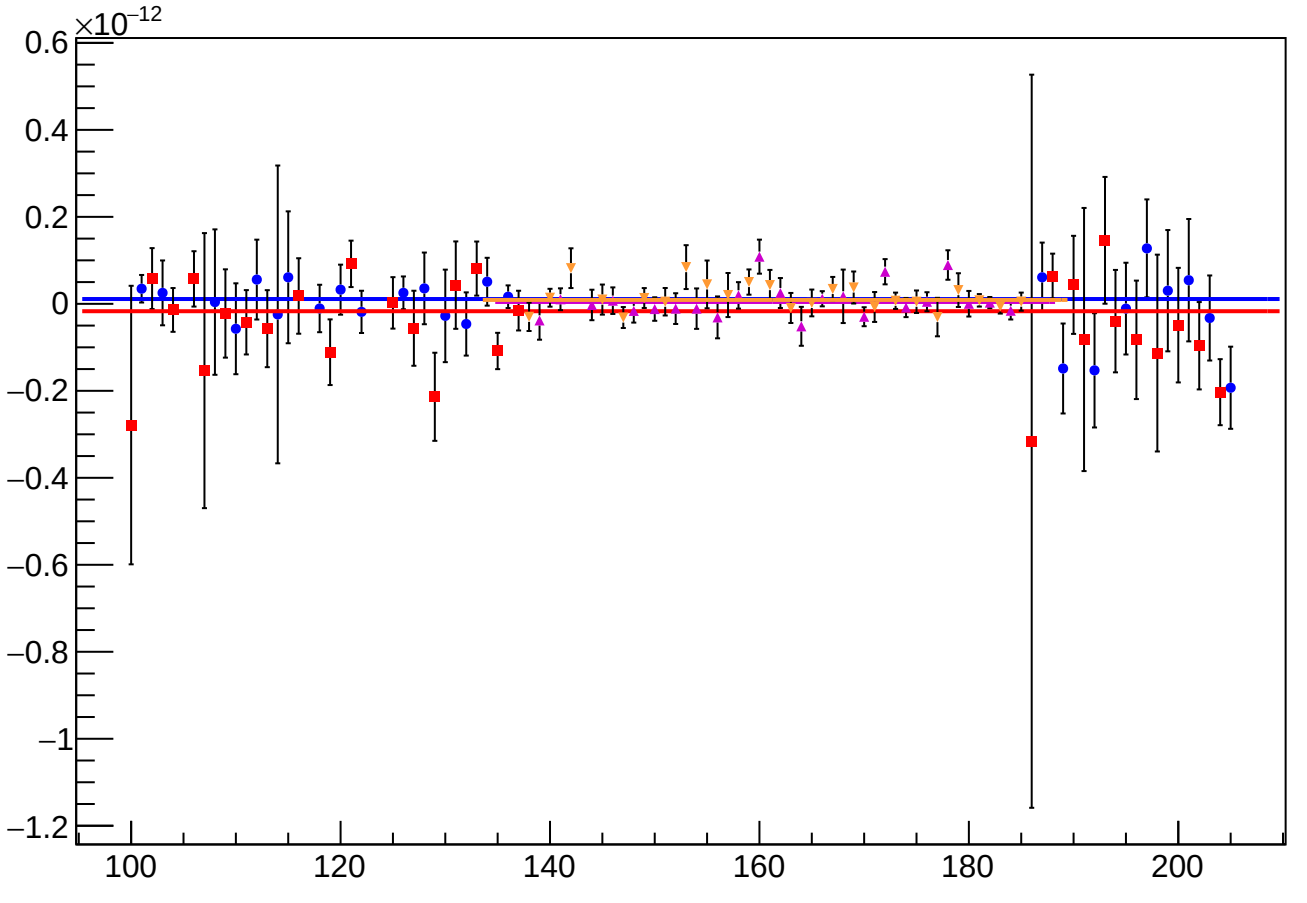
Left: 1869.988+/-0.220 χ^2/NDF: 983860.8/46

Right: 1570.086+/-0.208 χ^2/NDF: 1349149.9/53

In: 1696.298+/-0.214 χ^2/NDF:1556287.7/47

Out: 1726.751+/-0.213 χ^2/NDF:1751661.5/52

All: 1711.554+/-0.151 χ^2/NDF: 3318139.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 14.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:16.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/28

Left In: 0.000+/-0.000 χ^2/NDF:28.1/22

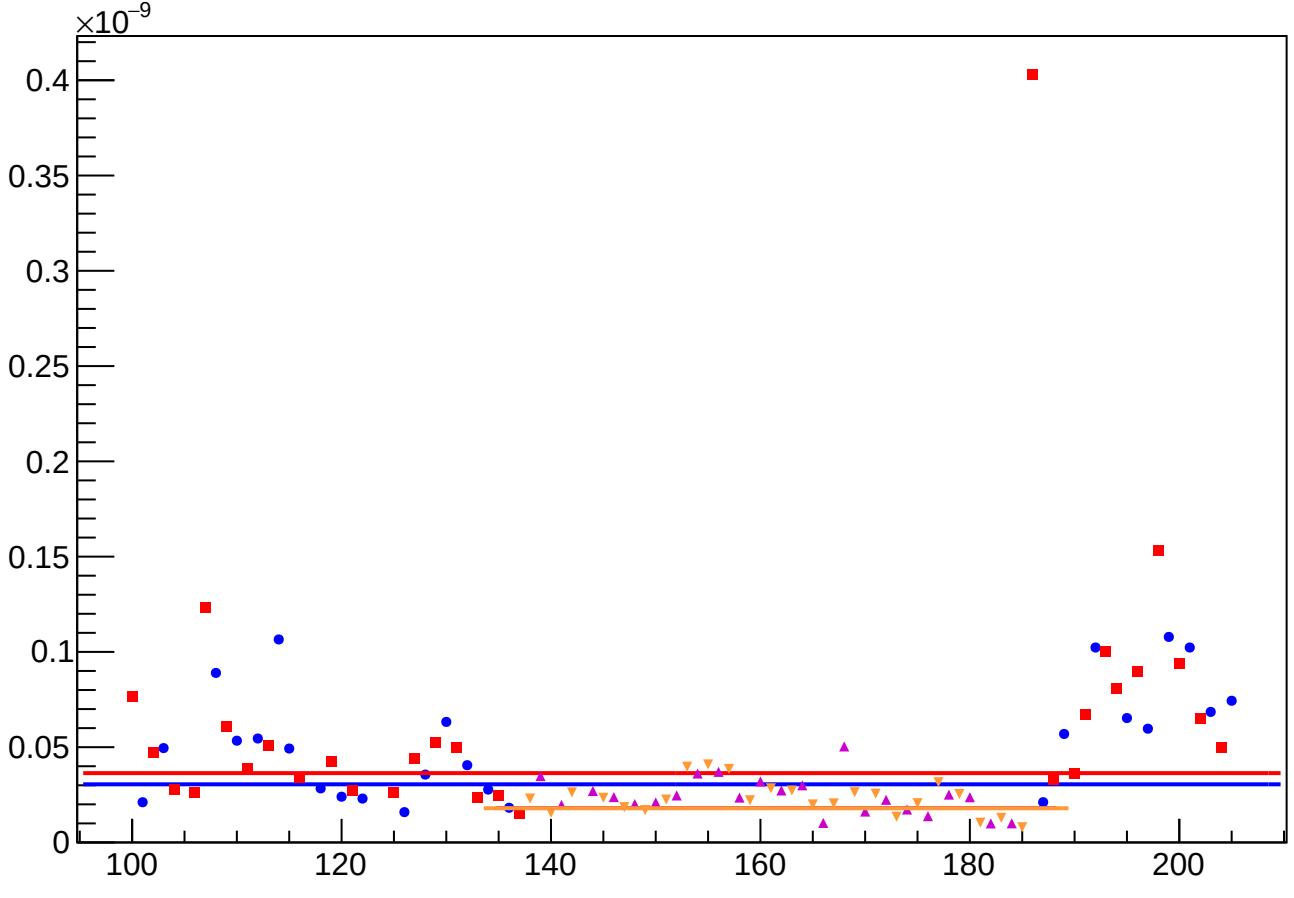
Left: 0.000+/-0.000 χ^2/NDF: 45.1/46

Right: -0.000+/-0.000 χ^2/NDF: 48.8/53

In: 0.000+/-0.000 χ^2/NDF:42.4/47

Out: 0.000+/-0.000 χ^2/NDF:52.0/52

All: 0.000+/-0.000 χ^2/NDF: 94.4/100



Right In: 0.000+/-0.000 χ^2/NDF: 4952921.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:3491055.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3946683.1/28

Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

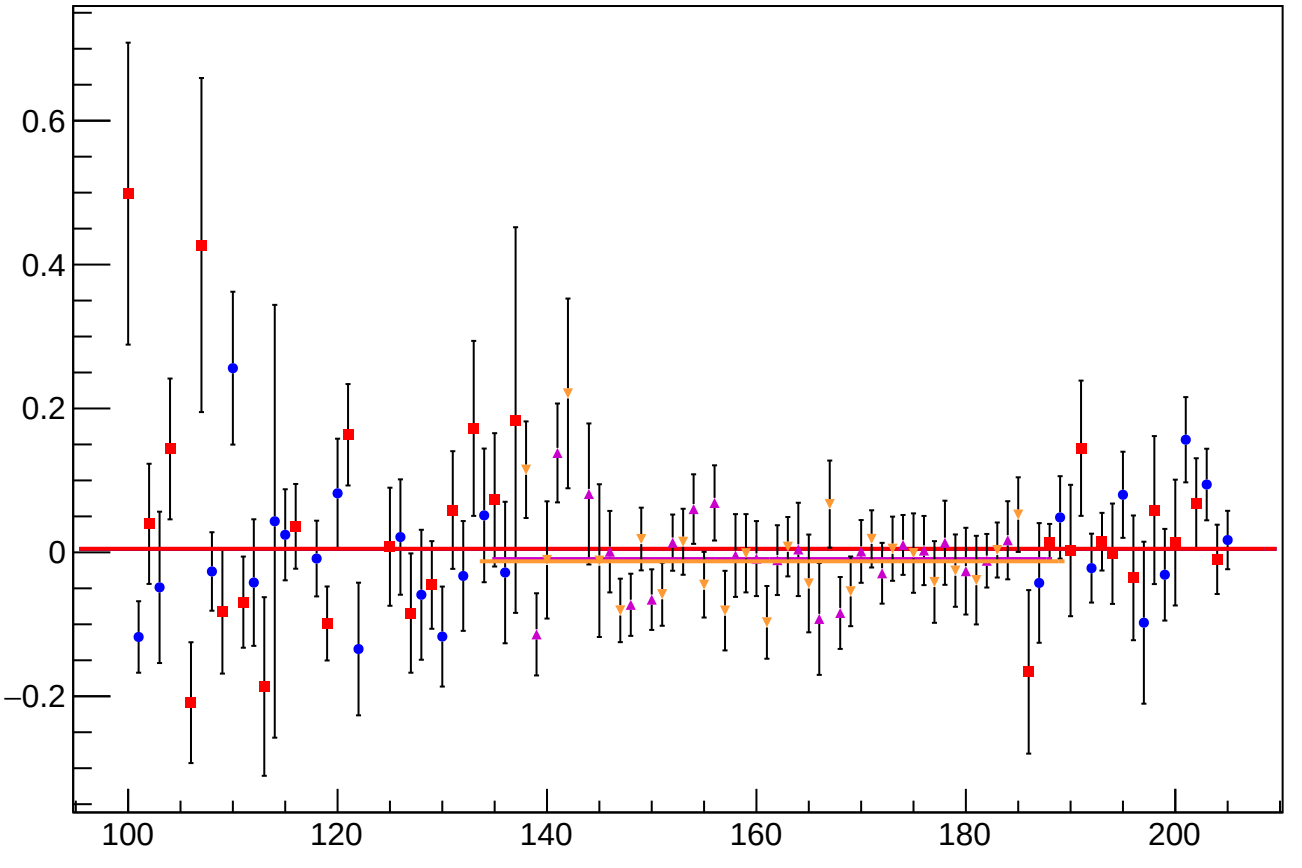
Left: 0.000+/-0.000 χ^2/NDF: 7671624.5/46

Right: 0.000+/-0.000 χ^2/NDF: 9088201.6/53

In: 0.000+/-0.000 χ^2/NDF:10765991.5/47

Out: 0.000+/-0.000 χ^2/NDF:10316013.2/52

All: 0.000+/-0.000 χ^2/NDF: 21084222.2/100



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.005+/-0.013 χ^2/NDF: 43.1/28

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

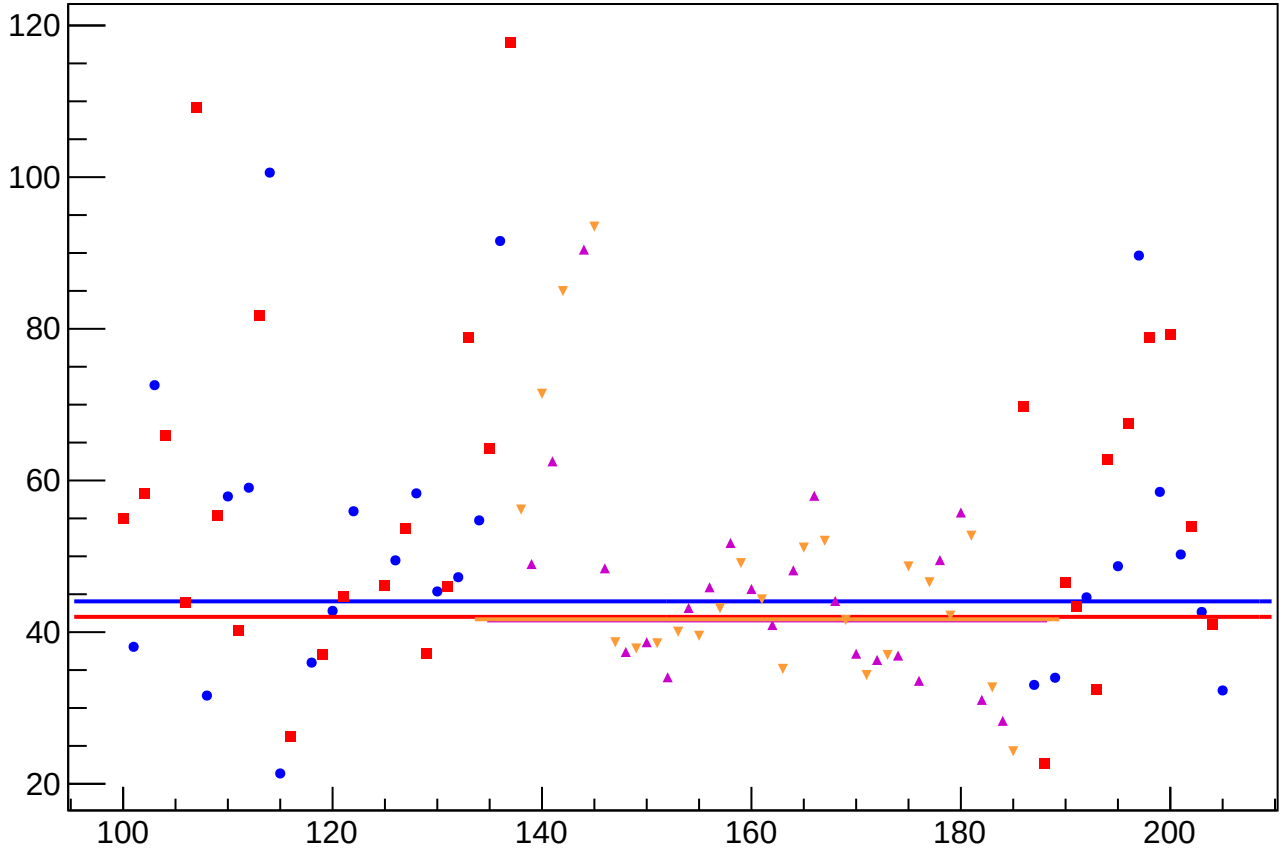
Right: 0.005+/-0.009 χ^2/NDF: 77.2/53

In: -0.004+/-0.008 χ^2/NDF:56.7/47

Out: -0.005+/-0.008 χ^2/NDF:66.1/52

All: -0.005+/-0.006 χ^2/NDF: 122.8/100

asym_usl_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.061+/-0.009 χ^2/NDF: 2067937.3/24

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667197.5/28

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

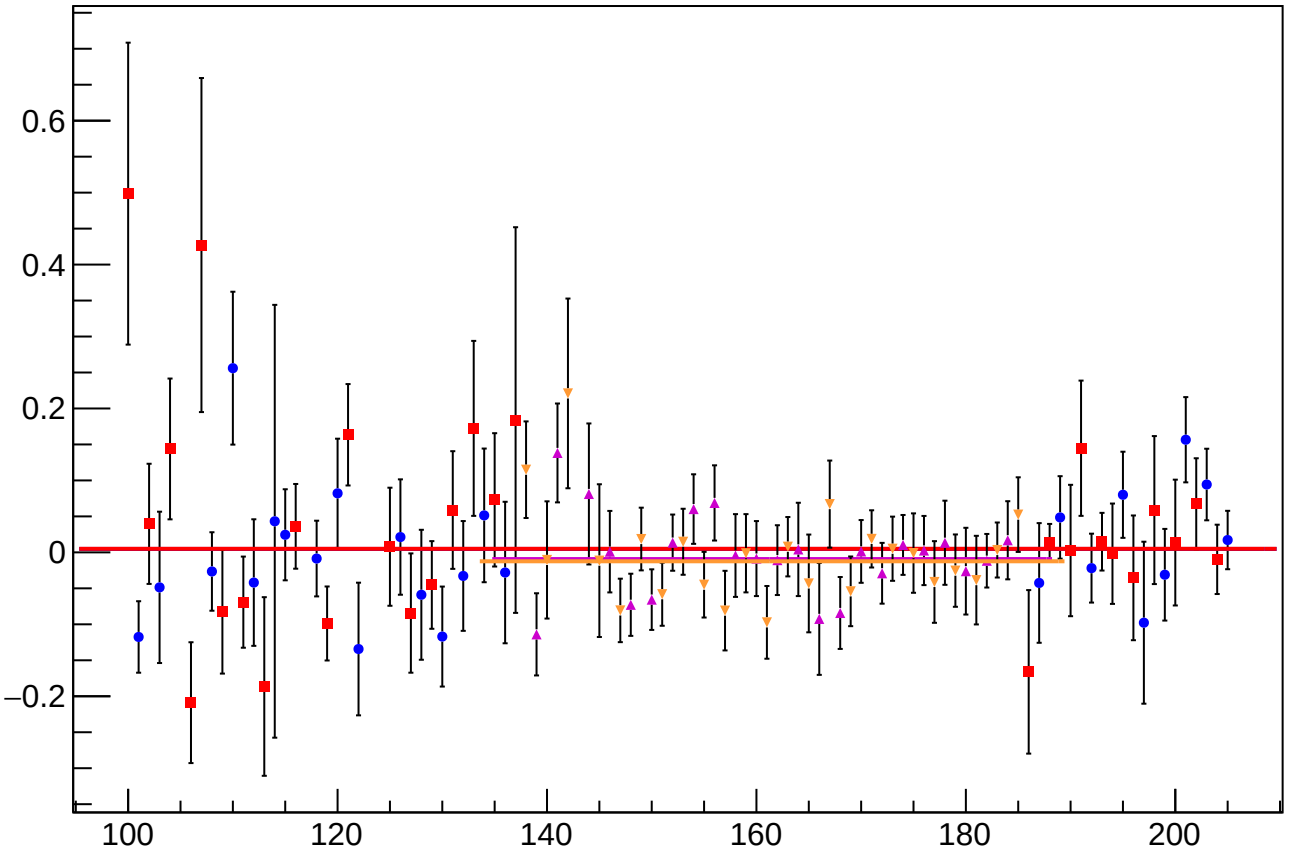
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 42.982+/-0.006 χ^2/NDF: 5759956.9/53

In: 42.509+/-0.006 χ^2/NDF:3724751.1/47

Out: 41.826+/-0.006 χ^2/NDF:5489754.7/52

All: 42.160+/-0.004 χ^2/NDF: 9221524.9/100



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.005+/-0.013 χ^2/NDF: 43.1/28

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

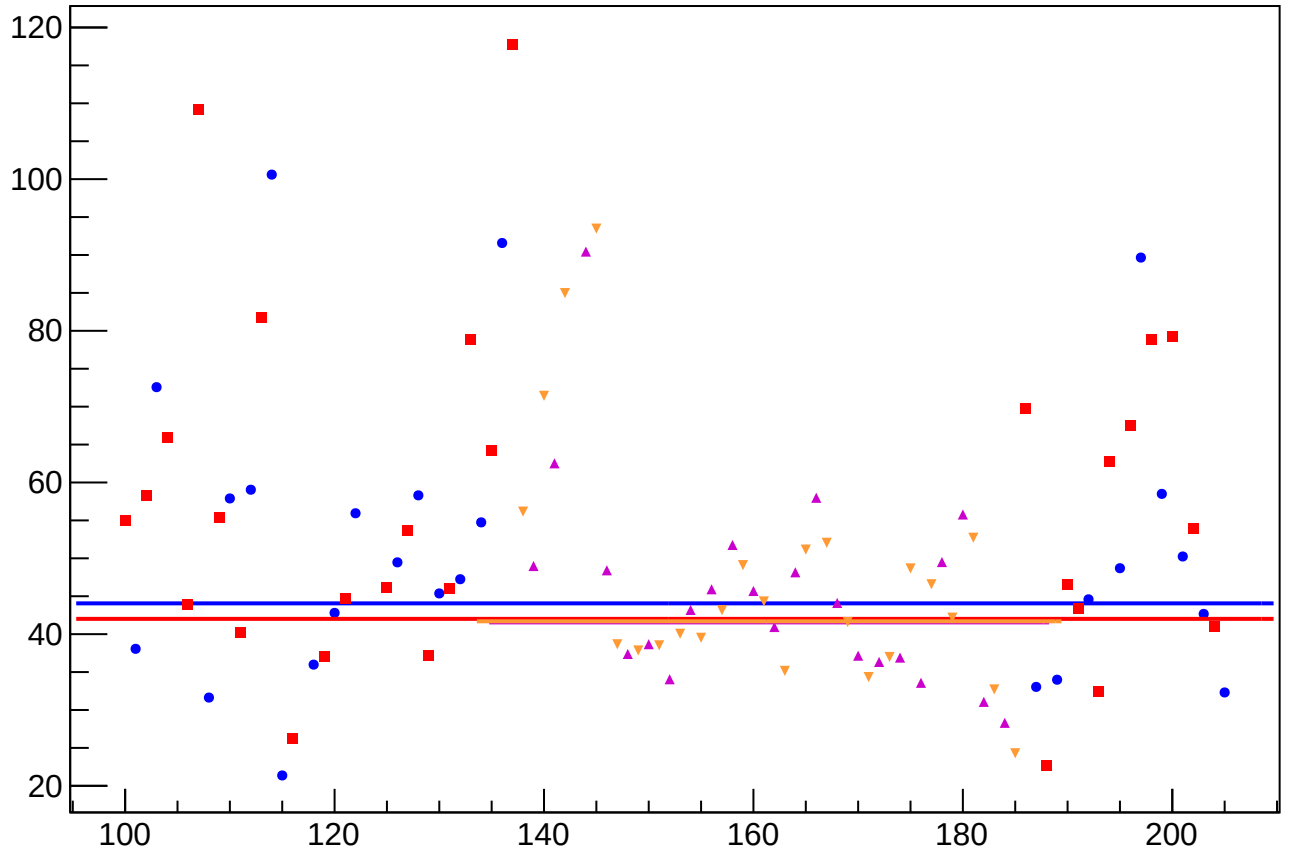
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.005+/-0.009 χ^2/NDF: 77.2/53

In: -0.004+/-0.008 χ^2/NDF:56.7/47

Out: -0.005+/-0.008 χ^2/NDF:66.1/52

All: -0.005+/-0.006 χ^2/NDF: 122.8/100



Right In: 44.061+/-0.009 χ^2/NDF: 2067937.3/24

Left Out: 41.694+/-0.007 χ^2/NDF:1821790.0/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667197.5/28

Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

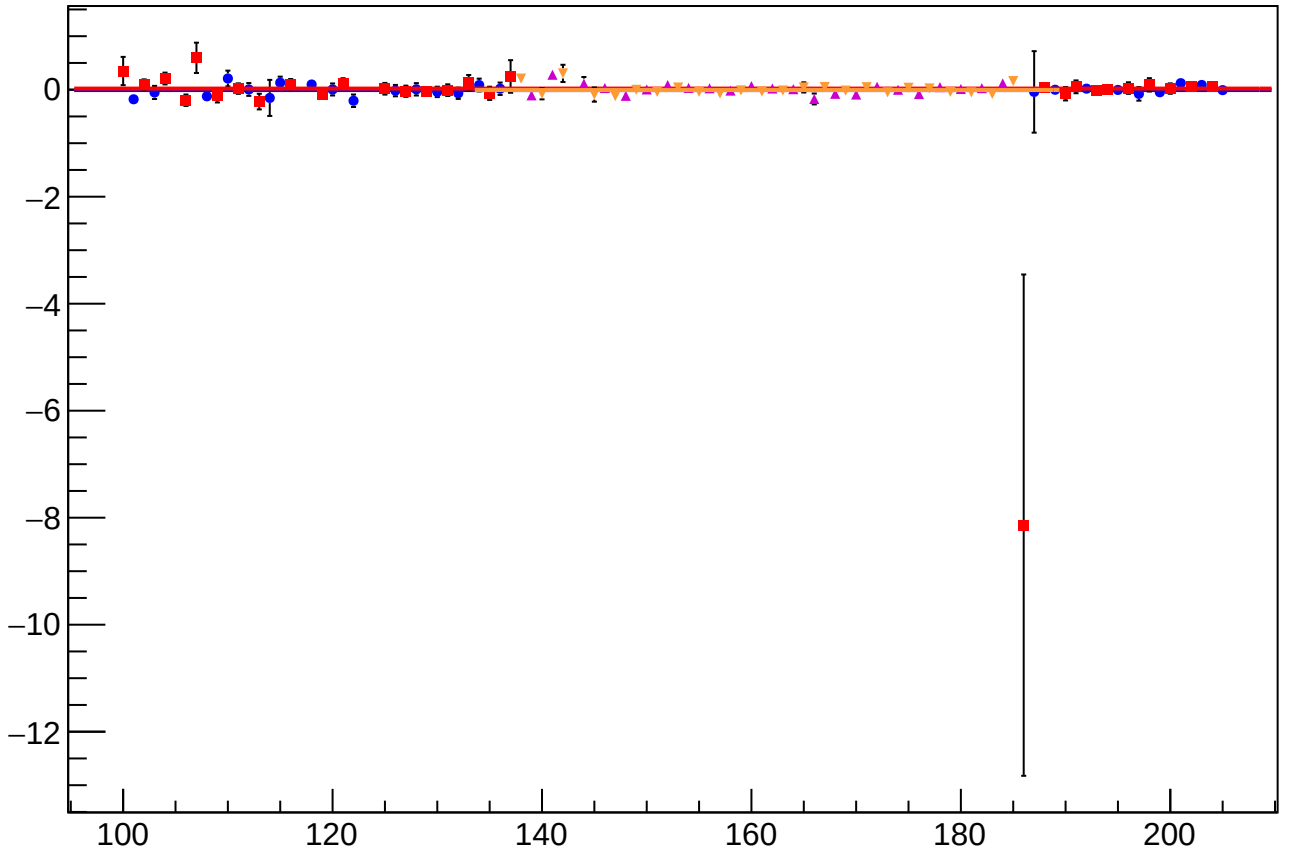
Left: 41.622+/-0.005 χ^2/NDF: 3434958.6/46

Right: 42.982+/-0.006 χ^2/NDF: 5759956.9/53

In: 42.509+/-0.006 χ^2/NDF:3724751.1/47

Out: 41.826+/-0.006 χ^2/NDF:5489754.7/52

All: 42.160+/-0.004 χ^2/NDF: 9221524.9/100



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/24

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 27.9/28

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

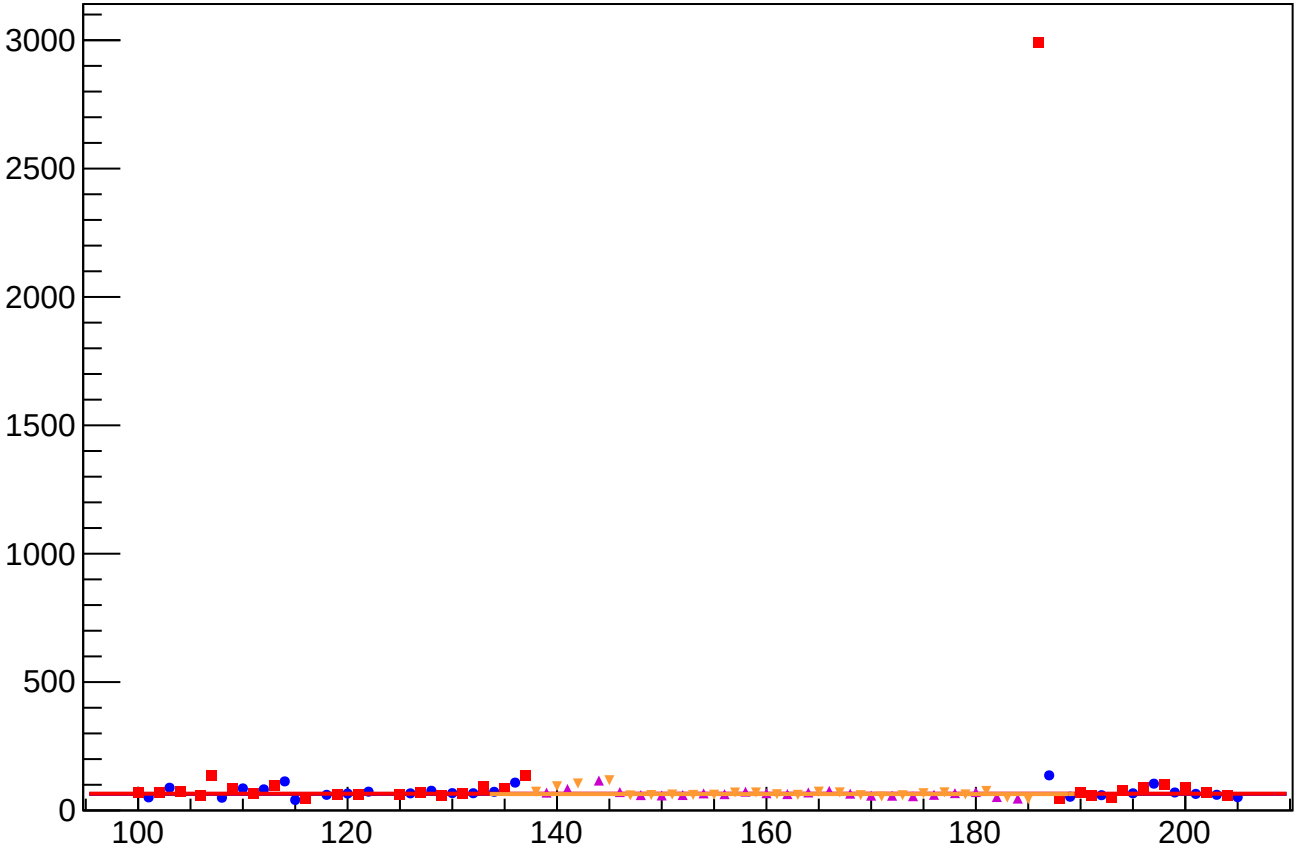
Right: 0.007+/-0.013 χ^2/NDF: 53.4/53

In: 0.002+/-0.012 χ^2/NDF:52.9/47

Out: 0.005+/-0.012 χ^2/NDF:52.9/52

All: 0.003+/-0.008 χ^2/NDF: 105.8/100

asym_usl_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.354+/-0.013 χ^2/NDF: 1148300.3/24

Left Out: 63.779+/-0.011 χ^2/NDF:1078823.1/23

Right Out: 65.242+/-0.013 χ^2/NDF: 2310149.3/28

Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

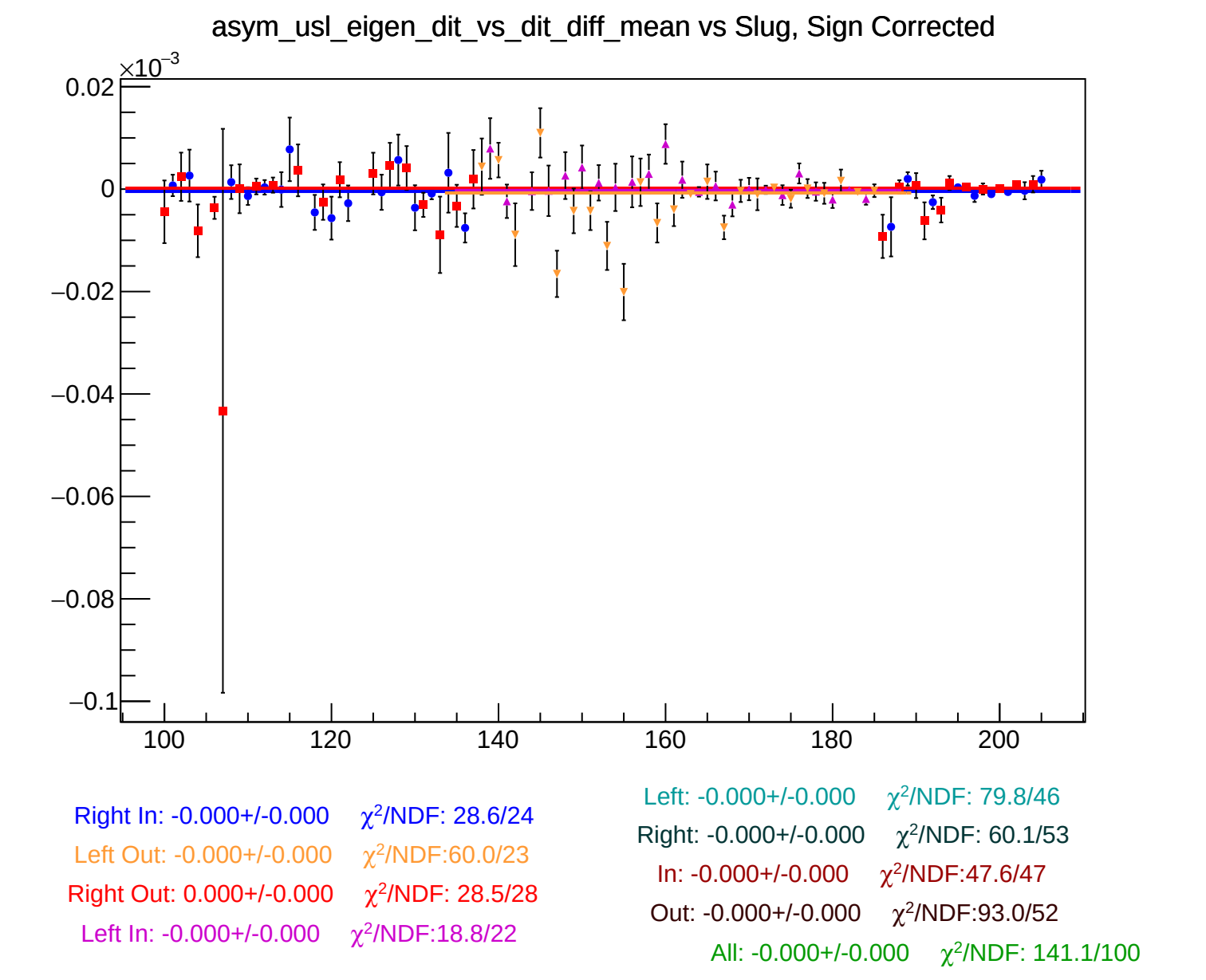
Left: 63.907+/-0.008 χ^2/NDF: 1917889.6/46

Right: 64.804+/-0.009 χ^2/NDF: 3460780.8/53

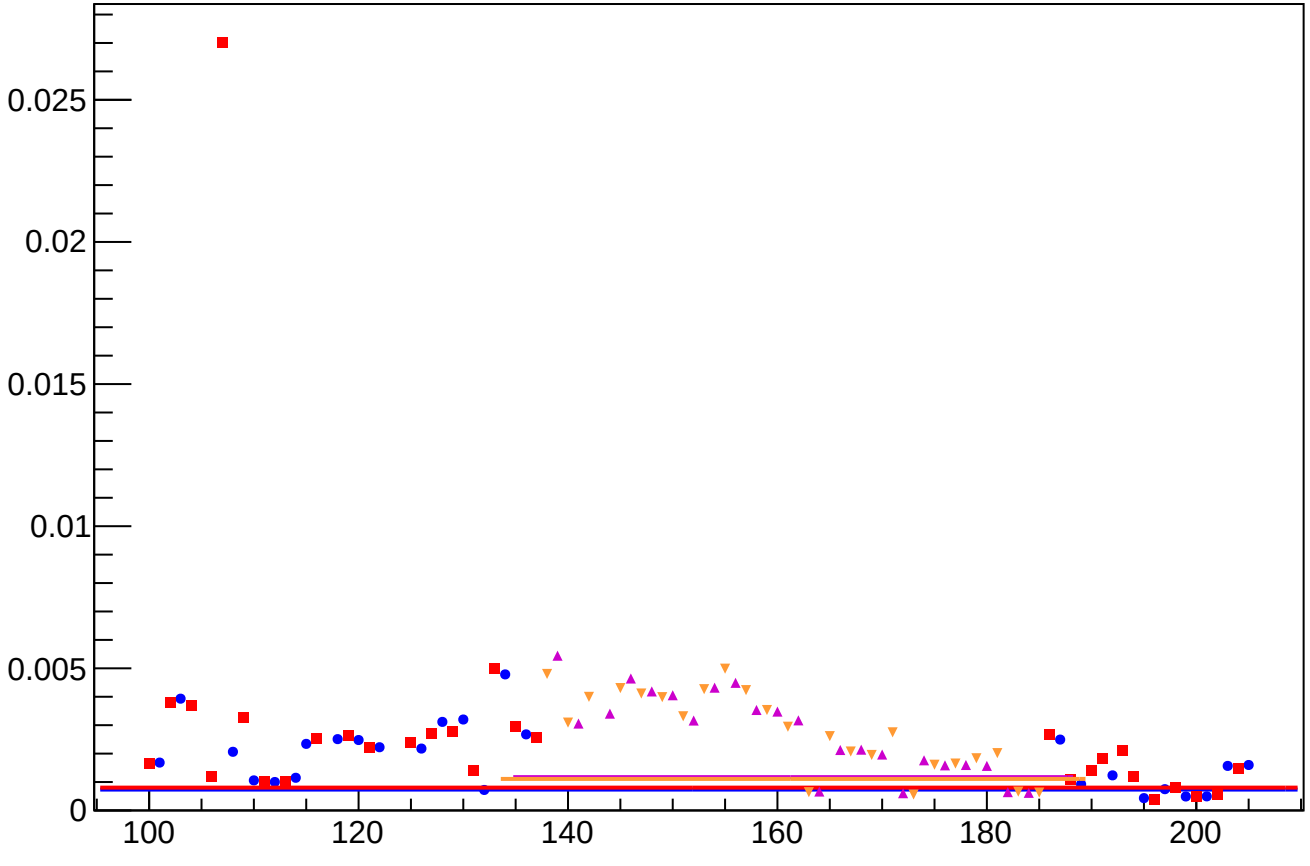
In: 64.167+/-0.008 χ^2/NDF:1987436.6/47

Out: 64.386+/-0.008 χ^2/NDF:3396465.8/52

All: 64.278+/-0.006 χ^2/NDF: 5384246.6/100


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: 28.6/24
Left Out: -0.000+/-0.000 χ²/NDF:60.0/23
Right Out: 0.000+/-0.000 χ²/NDF: 28.5/28
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: 60.1/53
In: -0.000+/-0.000 χ²/NDF:47.6/47
Out: -0.000+/-0.000 χ²/NDF:93.0/52
All: -0.000+/-0.000 χ²/NDF: 141.1/100

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9015091.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10151510.9/28

Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

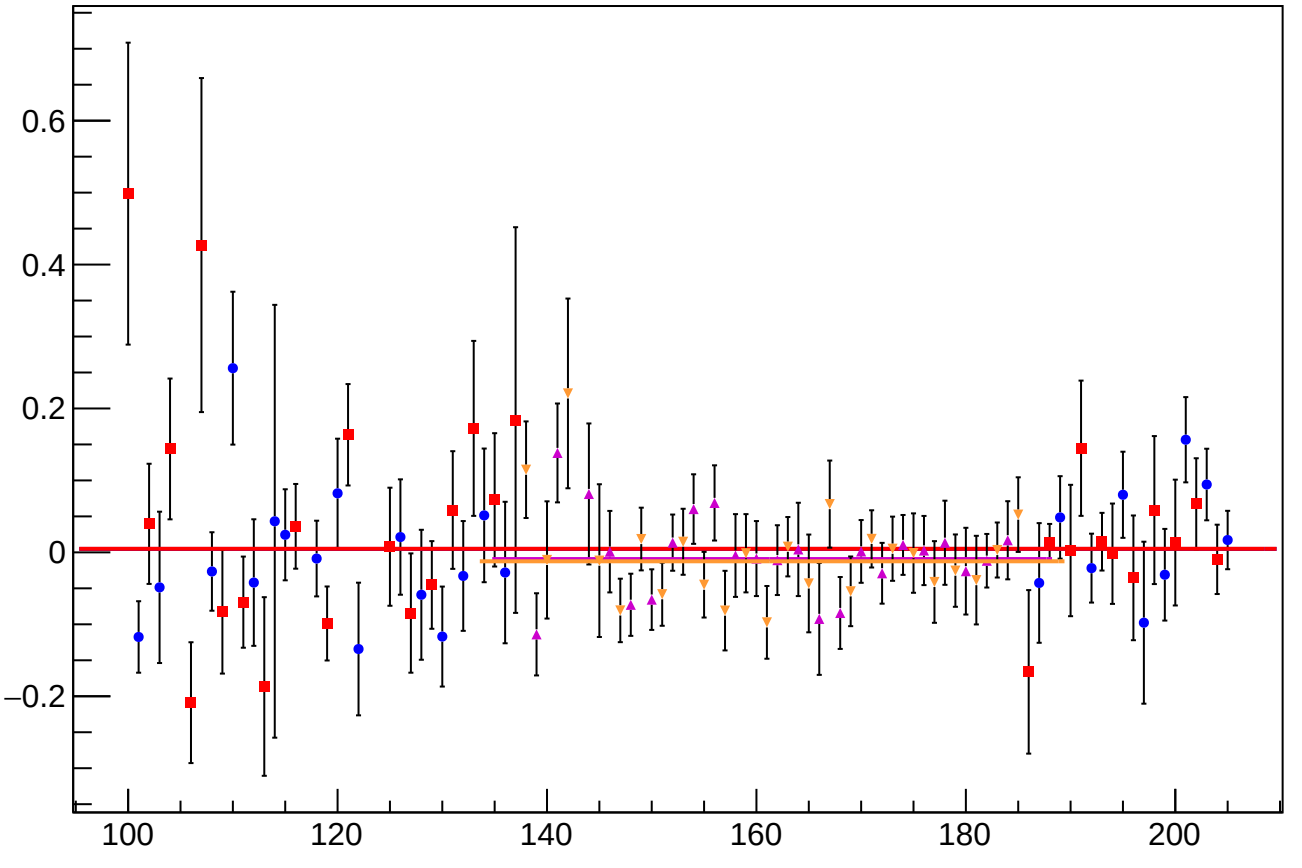
Left: 0.001+/-0.000 χ^2/NDF: 29445135.6/46

Right: 0.001+/-0.000 χ^2/NDF: 19235821.0/53

In: 0.001+/-0.000 χ^2/NDF:25273165.6/47

Out: 0.001+/-0.000 χ^2/NDF:26293391.6/52

All: 0.001+/-0.000 χ^2/NDF: 51611720.3/100



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.005+/-0.013 χ^2/NDF: 43.1/28

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

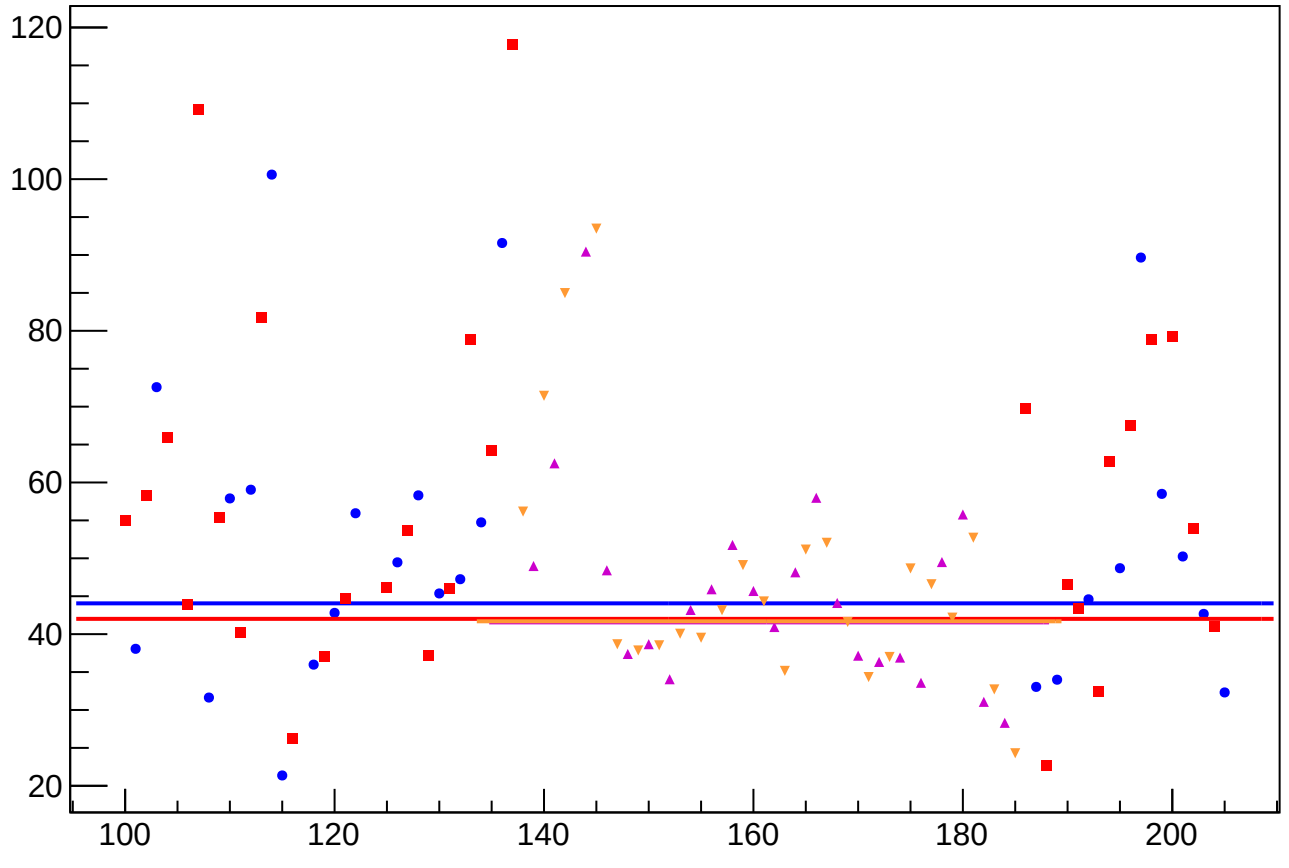
Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

Right: 0.005+/-0.009 χ^2/NDF: 77.2/53

In: -0.004+/-0.008 χ^2/NDF:56.7/47

Out: -0.005+/-0.008 χ^2/NDF:66.1/52

All: -0.005+/-0.006 χ^2/NDF: 122.8/100



Right In: 44.061+/-0.009 χ^2/NDF: 2067991.6/24

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667006.8/28

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

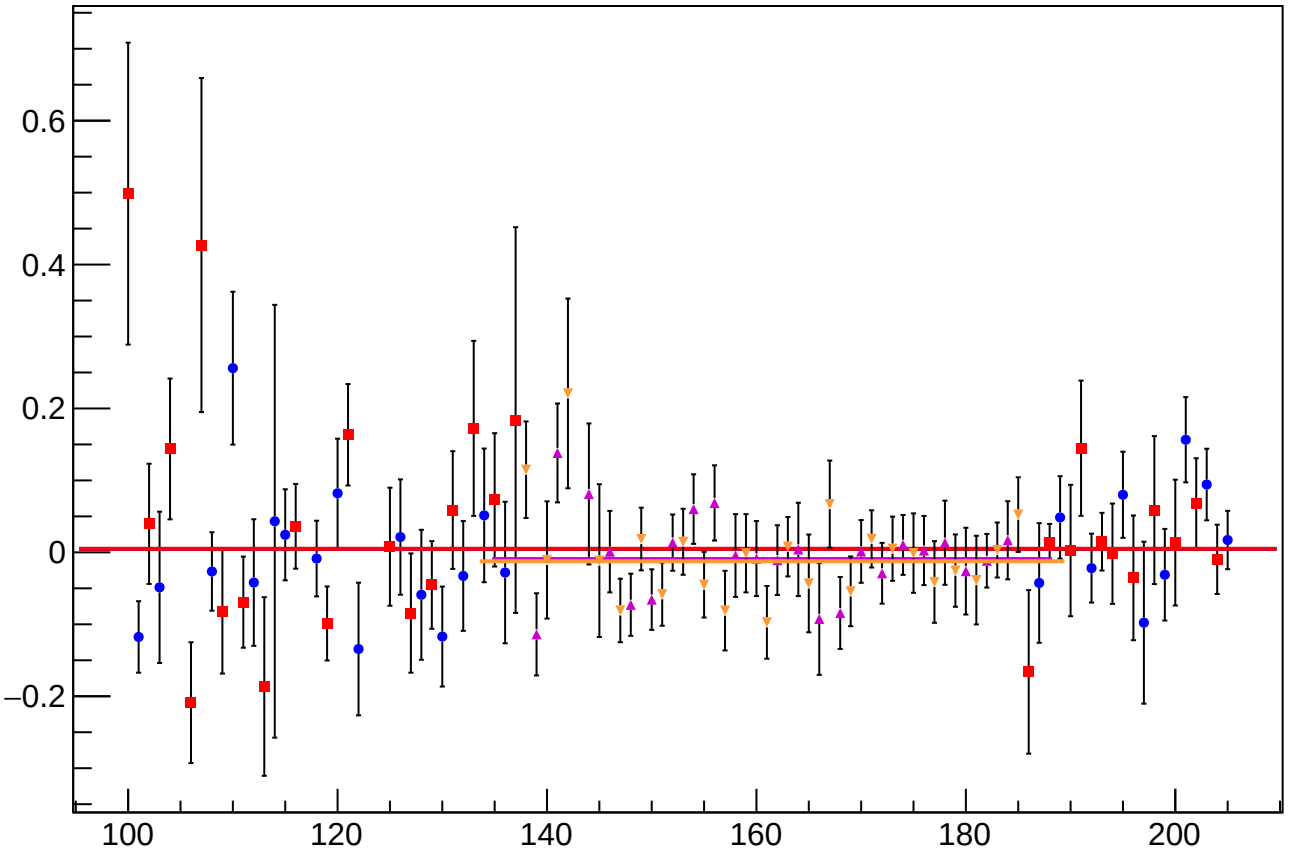
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 42.982+/-0.006 χ^2/NDF: 5759805.8/53

In: 42.509+/-0.006 χ^2/NDF:3724742.7/47

Out: 41.826+/-0.006 χ^2/NDF:5489527.8/52

All: 42.160+/-0.004 χ^2/NDF: 9221287.0/100



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

Left Out: -0.012+/-0.010 χ^2/NDF:21.9/23

Right Out: 0.005+/-0.013 χ^2/NDF: 43.1/28

Left In: -0.009+/-0.010 χ^2/NDF:21.9/22

Left: -0.011+/-0.007 χ^2/NDF: 43.9/46

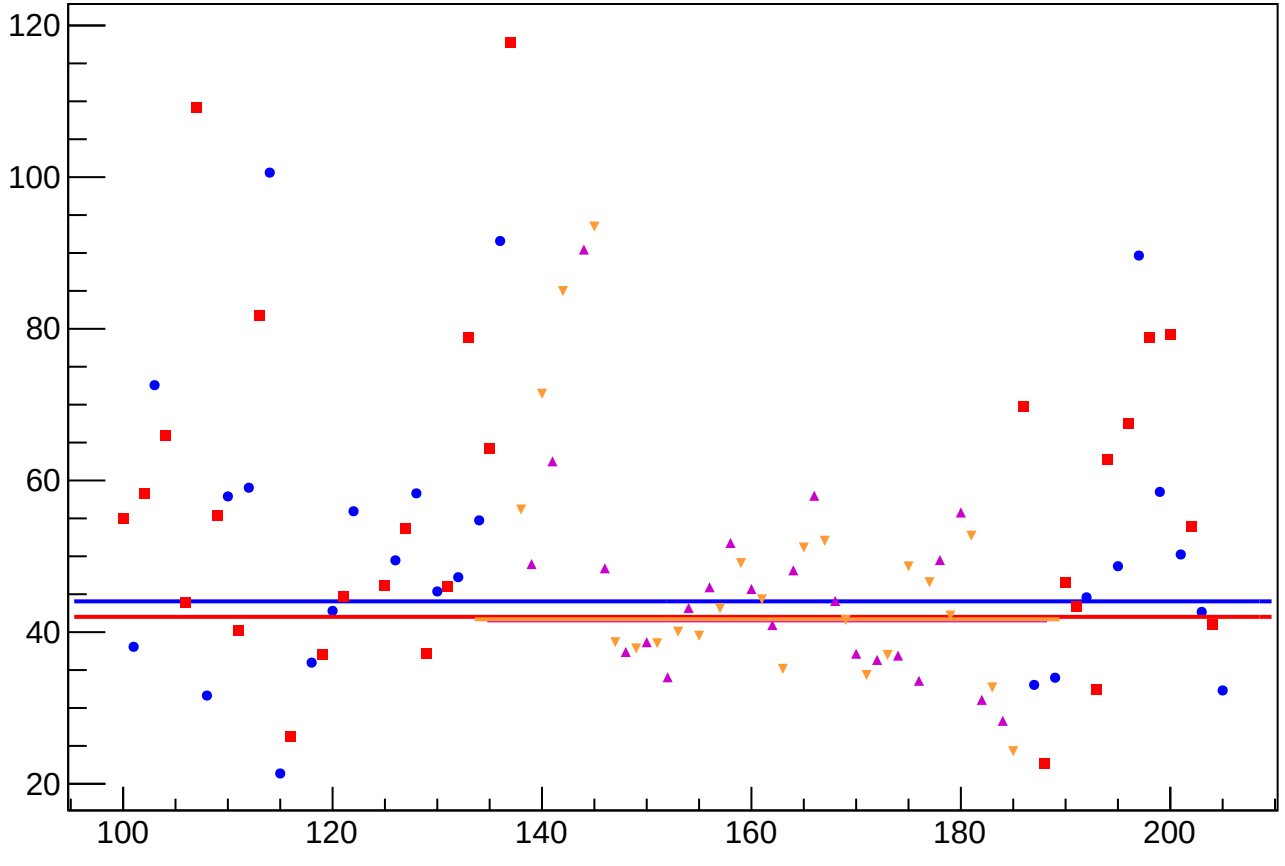
Right: 0.005+/-0.009 χ^2/NDF: 77.2/53

In: -0.004+/-0.008 χ^2/NDF:56.7/47

Out: -0.005+/-0.008 χ^2/NDF:66.1/52

All: -0.005+/-0.006 χ^2/NDF: 122.8/100

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 44.061+/-0.009 χ^2/NDF: 2067991.6/24

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 42.016+/-0.009 χ^2/NDF: 3667006.8/28

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

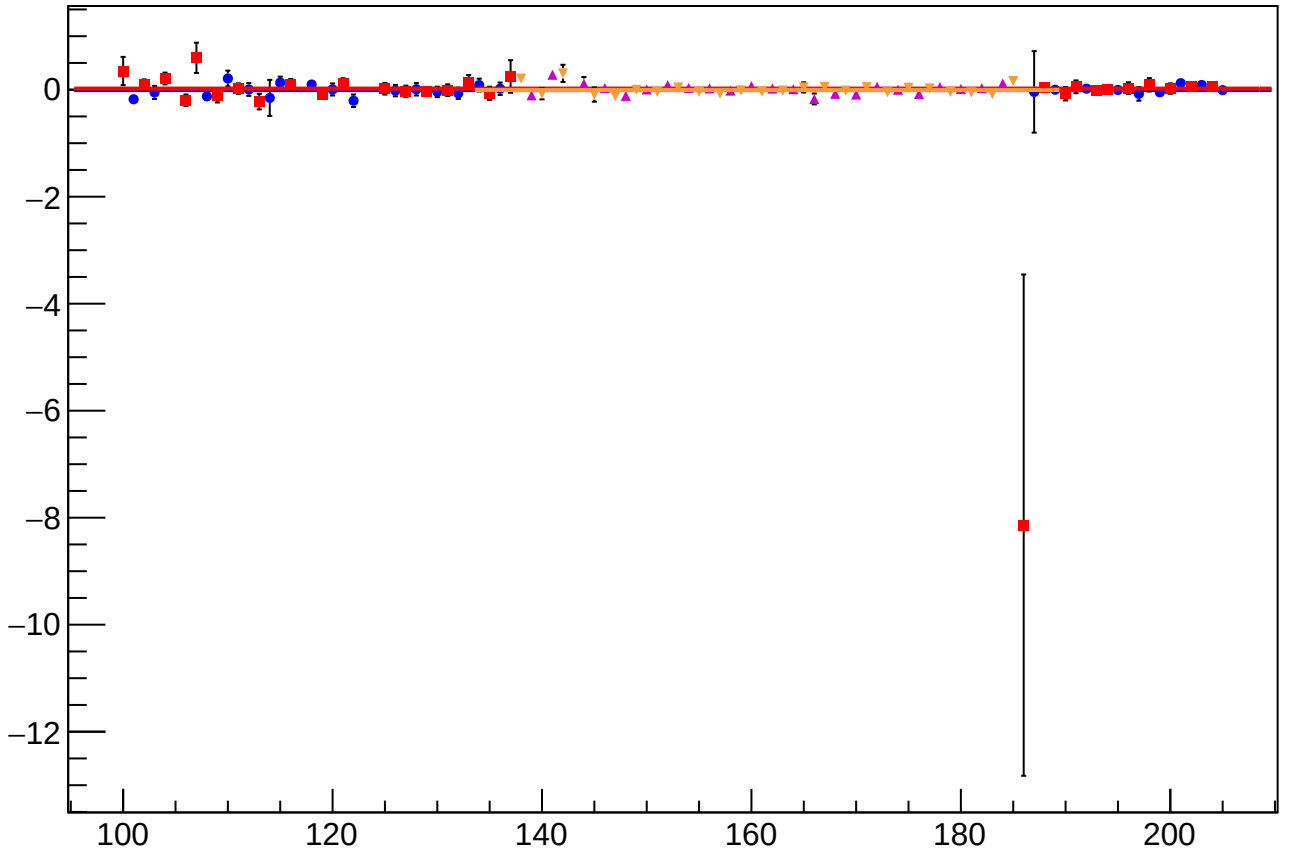
Left: 41.623+/-0.005 χ^2/NDF: 3434883.2/46

Right: 42.982+/-0.006 χ^2/NDF: 5759805.8/53

In: 42.509+/-0.006 χ^2/NDF:3724742.7/47

Out: 41.826+/-0.006 χ^2/NDF:5489527.8/52

All: 42.160+/-0.004 χ^2/NDF: 9221287.0/100



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/24

Left Out: -0.007+/-0.015 χ^2/NDF:23.7/23

Right Out: 0.021+/-0.018 χ^2/NDF: 27.9/28

Left In: 0.008+/-0.015 χ^2/NDF:28.1/22

Left: 0.000+/-0.011 χ^2/NDF: 52.2/46

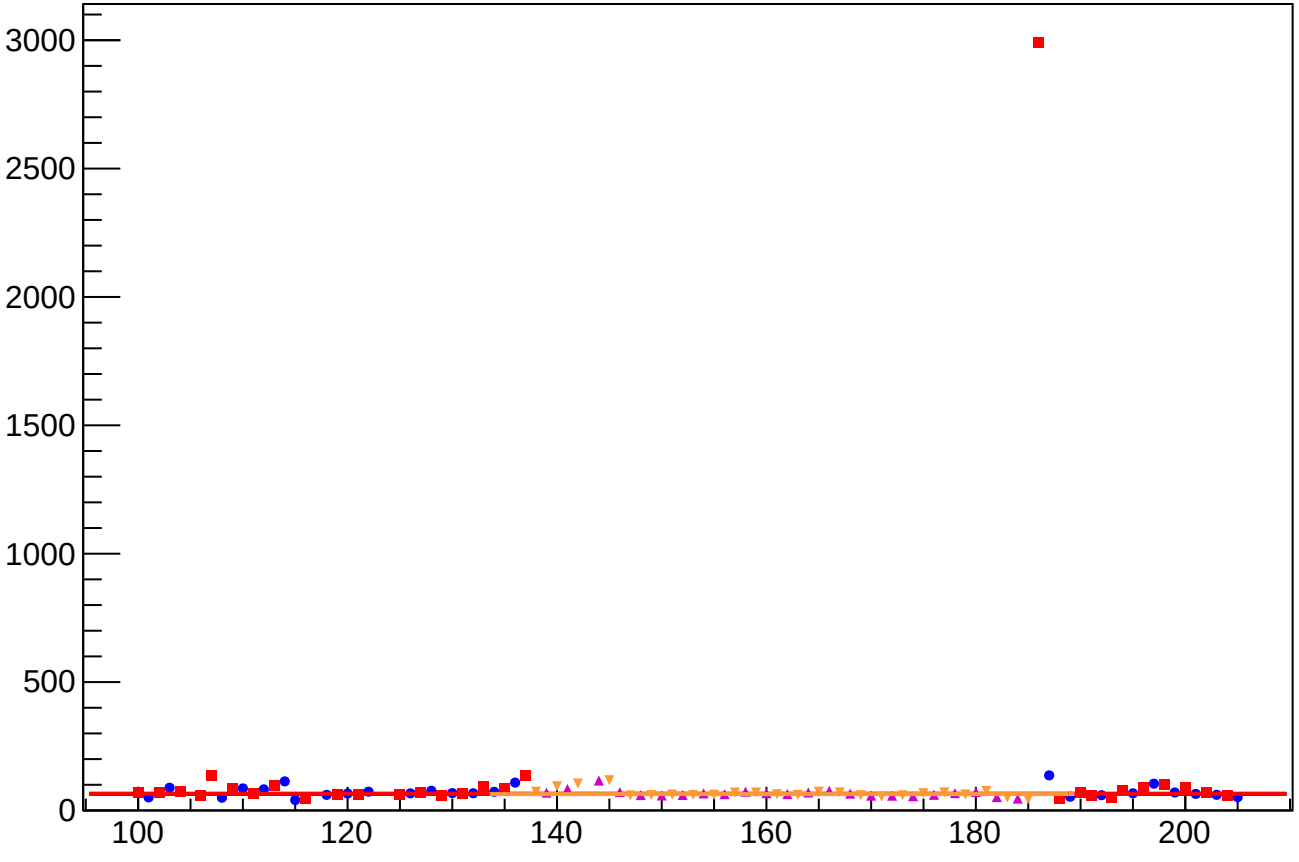
Right: 0.007+/-0.013 χ^2/NDF: 53.4/53

In: 0.002+/-0.012 χ^2/NDF:52.9/47

Out: 0.005+/-0.012 χ^2/NDF:52.9/52

All: 0.003+/-0.008 χ^2/NDF: 105.8/100

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 64.354+/-0.013 χ^2/NDF: 1148308.6/24

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 65.242+/-0.013 χ^2/NDF: 2310126.1/28

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

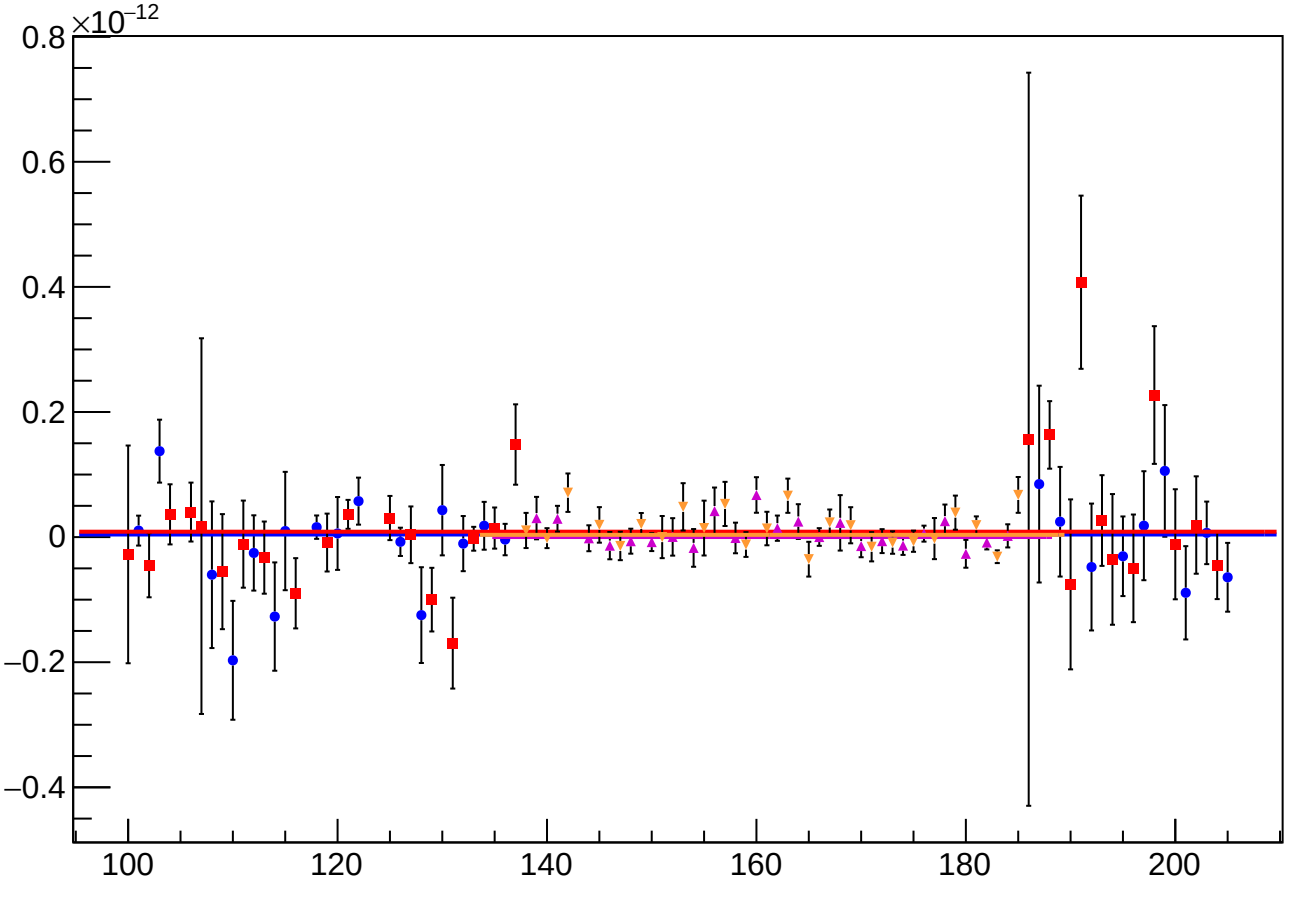
Left: 63.907+/-0.008 χ^2/NDF: 1917872.4/46

Right: 64.803+/-0.009 χ^2/NDF: 3460765.8/53

In: 64.167+/-0.008 χ^2/NDF:1987439.3/47

Out: 64.386+/-0.008 χ^2/NDF:3396426.6/52

All: 64.277+/-0.006 χ^2/NDF: 5384210.0/100



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 46.4/28

Left In: 0.000+/-0.000 χ^2/NDF:17.1/22

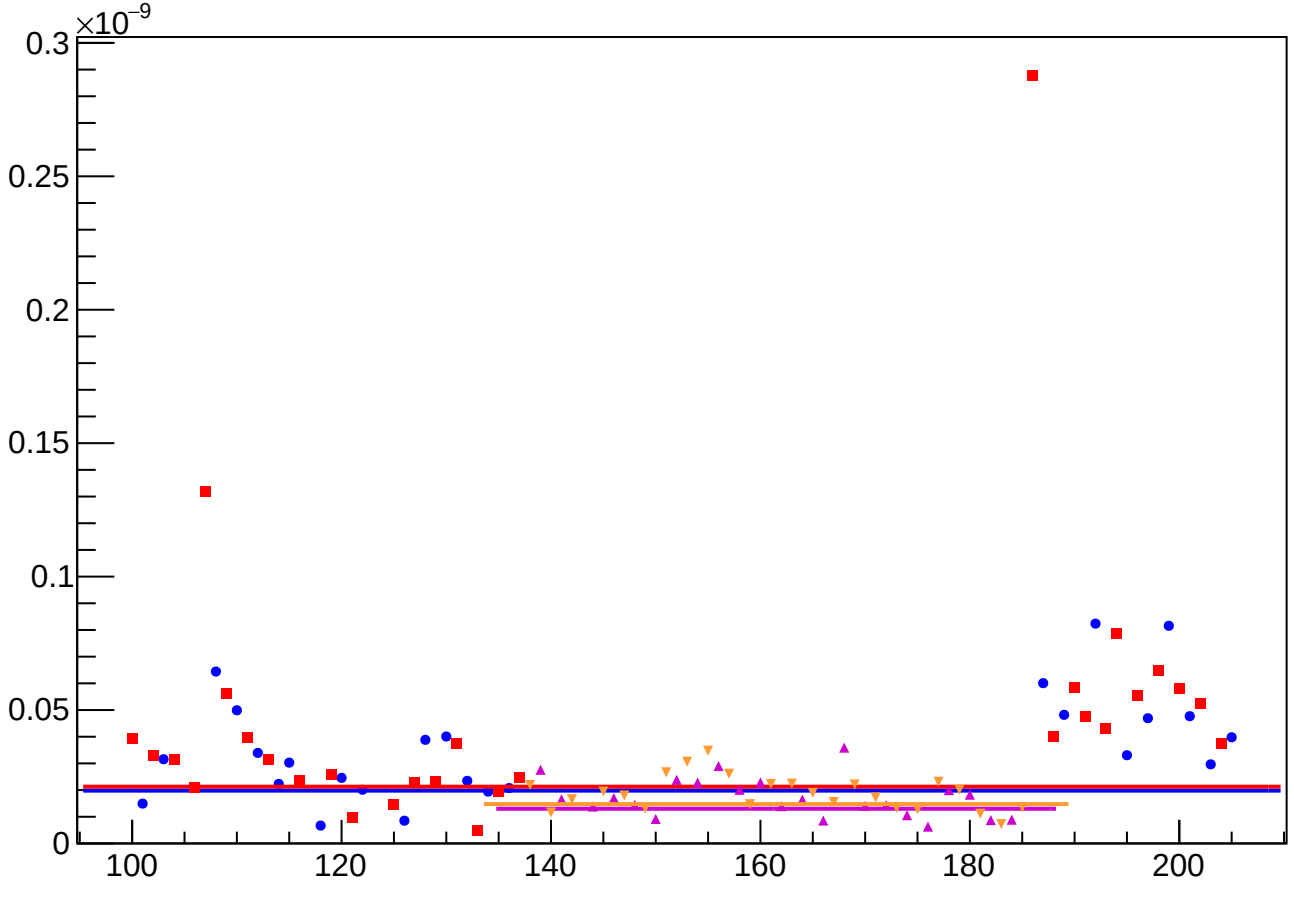
Left: 0.000+/-0.000 χ^2/NDF: 58.0/46

Right: 0.000+/-0.000 χ^2/NDF: 72.0/53

In: 0.000+/-0.000 χ^2/NDF:42.8/47

Out: 0.000+/-0.000 χ^2/NDF:87.2/52

All: 0.000+/-0.000 χ^2/NDF: 130.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 5303085.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6290797.4/28

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

Left: 0.000+/-0.000 χ^2/NDF: 7627228.5/46

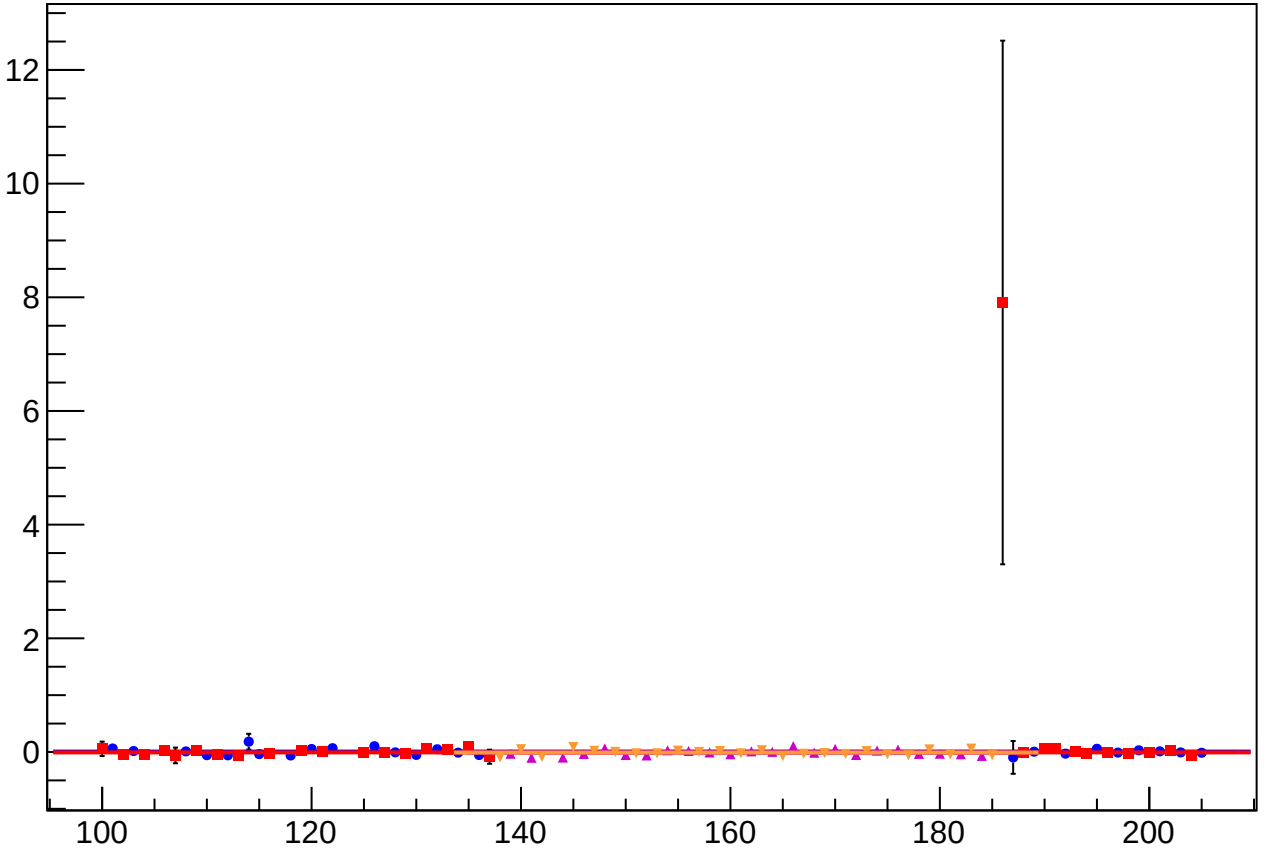
Right: 0.000+/-0.000 χ^2/NDF: 11621559.8/53

In: 0.000+/-0.000 χ^2/NDF:10244090.8/47

Out: 0.000+/-0.000 χ^2/NDF:10650980.8/52

All: 0.000+/-0.000 χ^2/NDF: 21101212.6/100

asym_usl_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.009 χ^2/NDF: 19.2/24

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.007+/-0.009 χ^2/NDF: 20.7/28

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

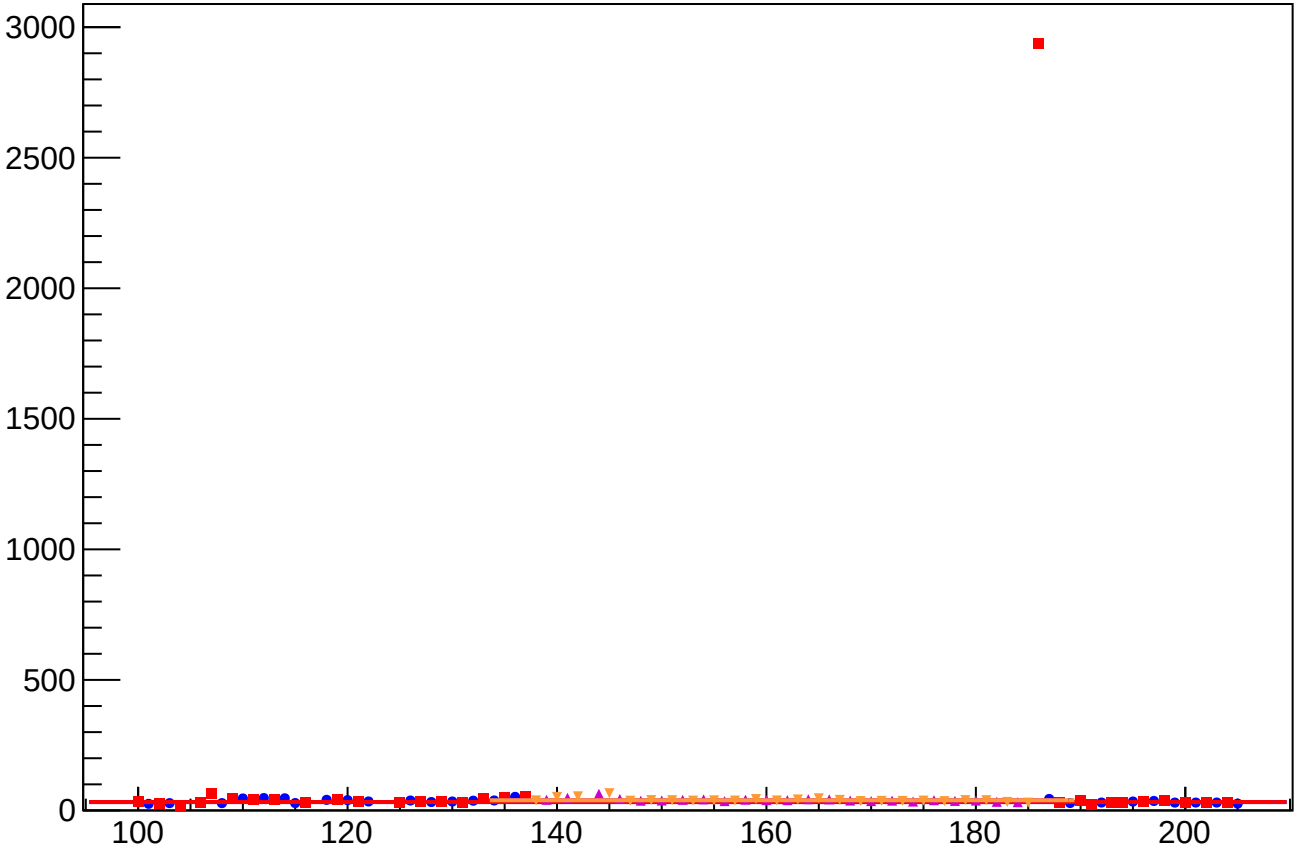
Right: -0.000+/-0.006 χ^2/NDF: 41.2/53

In: -0.002+/-0.007 χ^2/NDF:44.4/47

Out: -0.008+/-0.006 χ^2/NDF:40.2/52

All: -0.005+/-0.005 χ^2/NDF: 85.1/100

asym_usl_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.155+/-0.006 χ^2/NDF: 834059.3/24

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.224+/-0.006 χ^2/NDF: 1899171.8/28

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

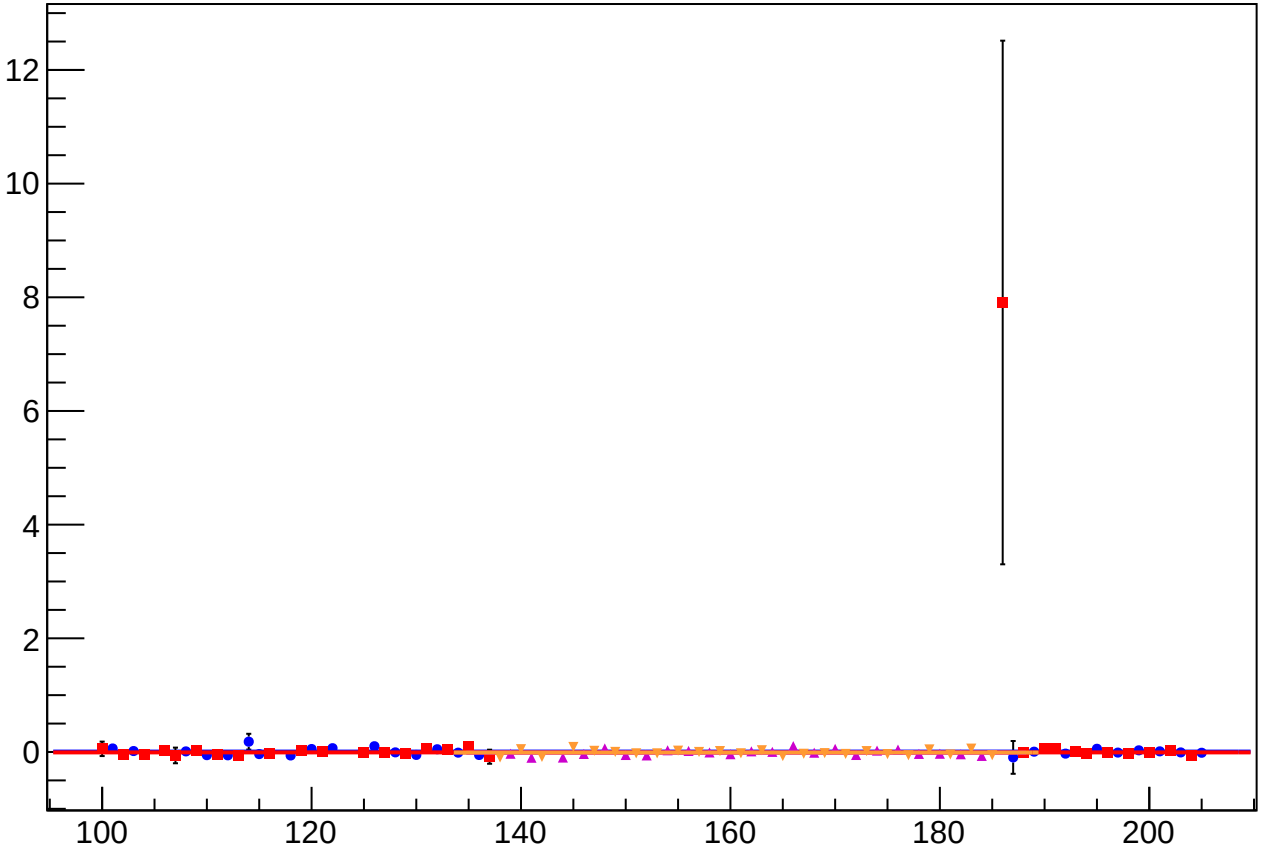
Right: 32.190+/-0.005 χ^2/NDF: 2733288.2/53

In: 35.519+/-0.005 χ^2/NDF:1918354.3/47

Out: 35.396+/-0.005 χ^2/NDF:3062622.7/52

All: 35.456+/-0.003 χ^2/NDF: 4981330.5/100

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.007+/-0.009 χ^2/NDF: 19.2/24

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.007+/-0.009 χ^2/NDF: 20.7/28

Left In: -0.011+/-0.010 χ^2/NDF:23.3/22

Left: -0.010+/-0.007 χ^2/NDF: 42.7/46

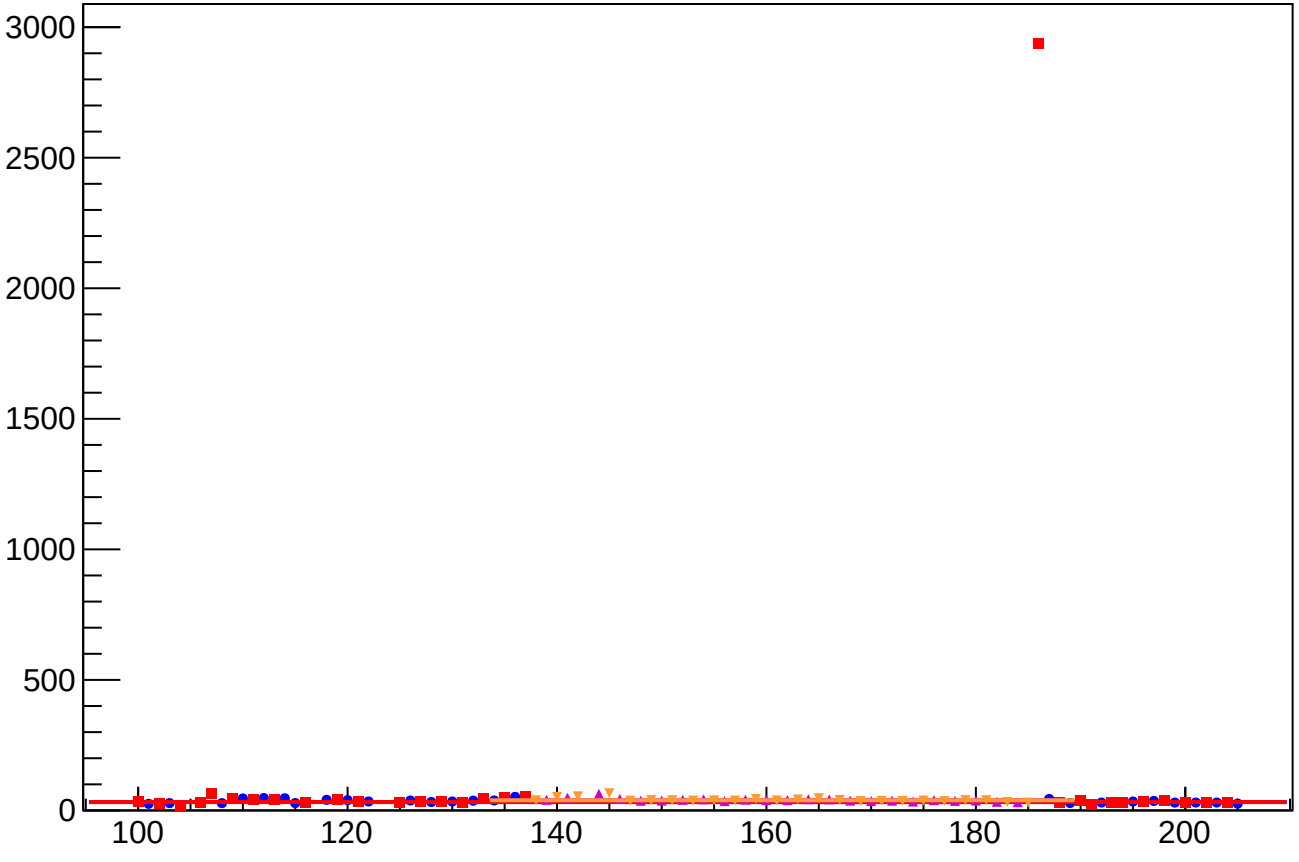
Right: -0.000+/-0.006 χ^2/NDF: 41.2/53

In: -0.002+/-0.007 χ^2/NDF:44.4/47

Out: -0.008+/-0.006 χ^2/NDF:40.2/52

All: -0.005+/-0.005 χ^2/NDF: 85.1/100

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 32.155+/-0.006 χ^2/NDF: 834059.3/24

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 32.224+/-0.006 χ^2/NDF: 1899171.8/28

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

Left: 39.074+/-0.005 χ^2/NDF: 1146823.3/46

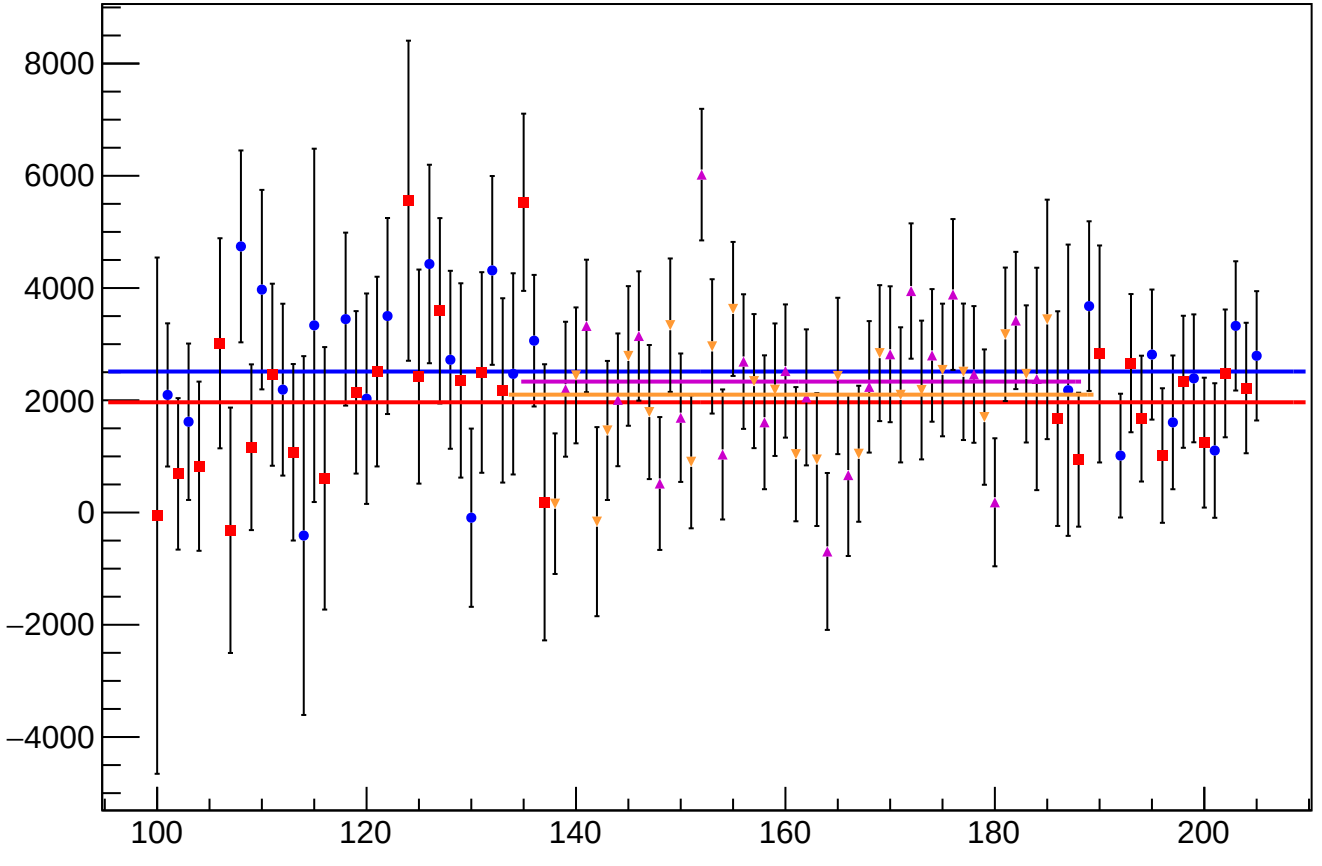
Right: 32.190+/-0.005 χ^2/NDF: 2733288.2/53

In: 35.519+/-0.005 χ^2/NDF:1918354.3/47

Out: 35.396+/-0.005 χ^2/NDF:3062622.7/52

All: 35.456+/-0.003 χ^2/NDF: 4981330.5/100

reg_asym_usr_mean vs Slug, Sign Corrected



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1964.382+/-282.756 χ^2/NDF: 15.3/28

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

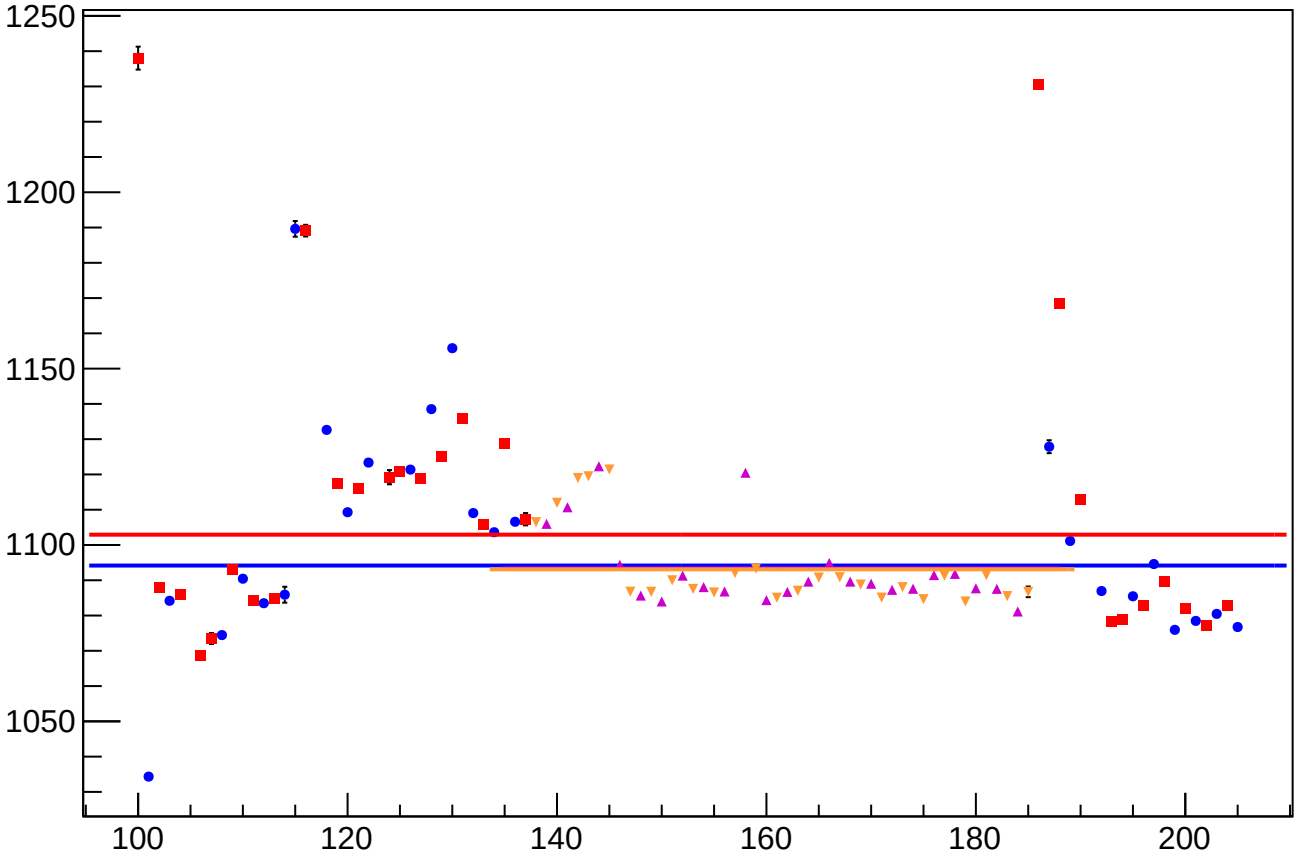
Right: 2230.229+/-202.894 χ^2/NDF: 32.0/53

In: 2410.901+/-191.993 χ^2/NDF:44.6/47

Out: 2041.176+/-186.577 χ^2/NDF:29.3/53

All: 2220.750+/-133.804 χ^2/NDF: 75.8/101

reg_asym_usr_rms vs Slug, Sign Corrected



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

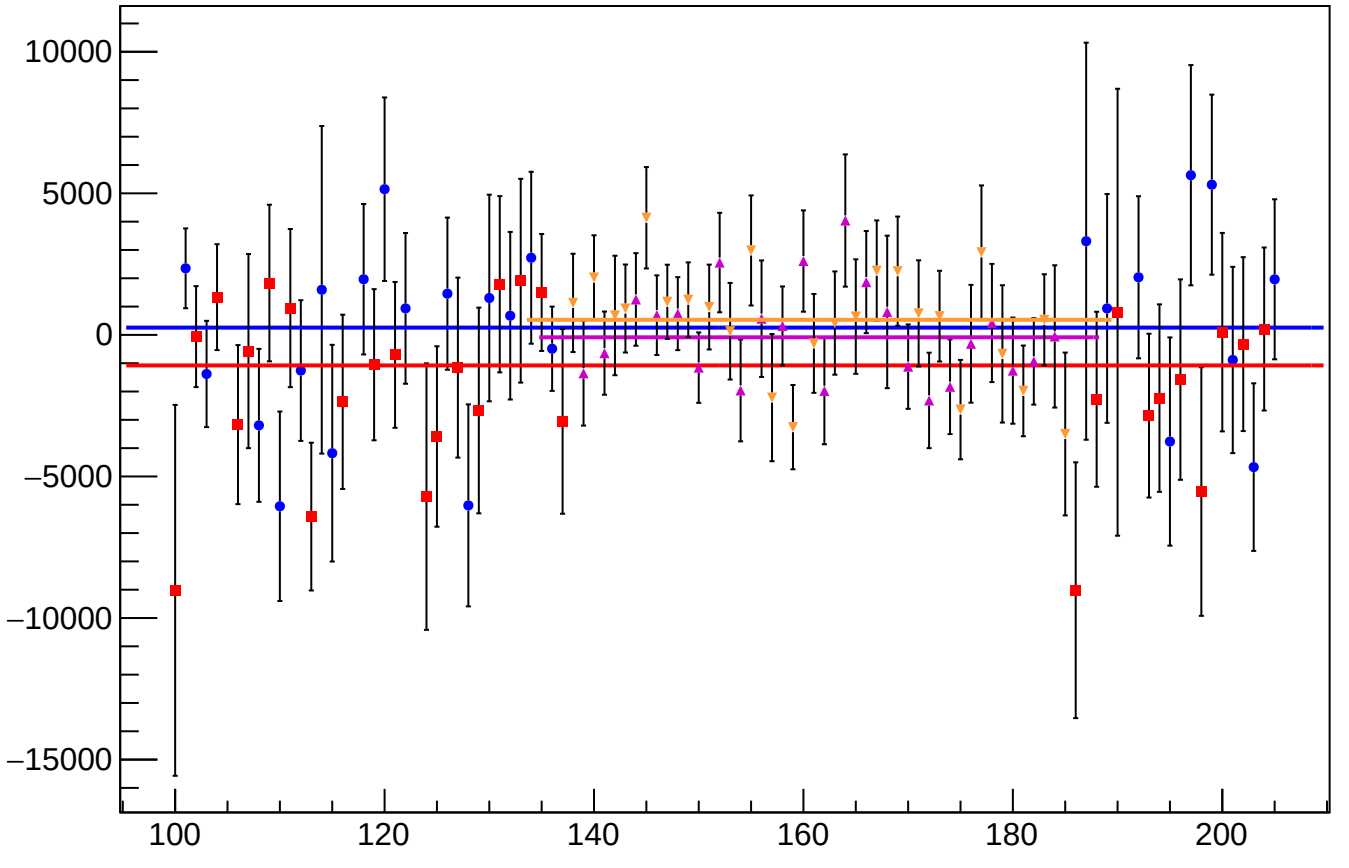
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1098.678+/-0.143 χ^2/NDF: 45951.3/53

In: 1093.700+/-0.136 χ^2/NDF:20058.6/47

Out: 1097.379+/-0.132 χ^2/NDF:34043.6/53

All: 1095.592+/-0.095 χ^2/NDF: 54480.0/101



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1077.975+/-551.740 χ^2/NDF: 20.5/28

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

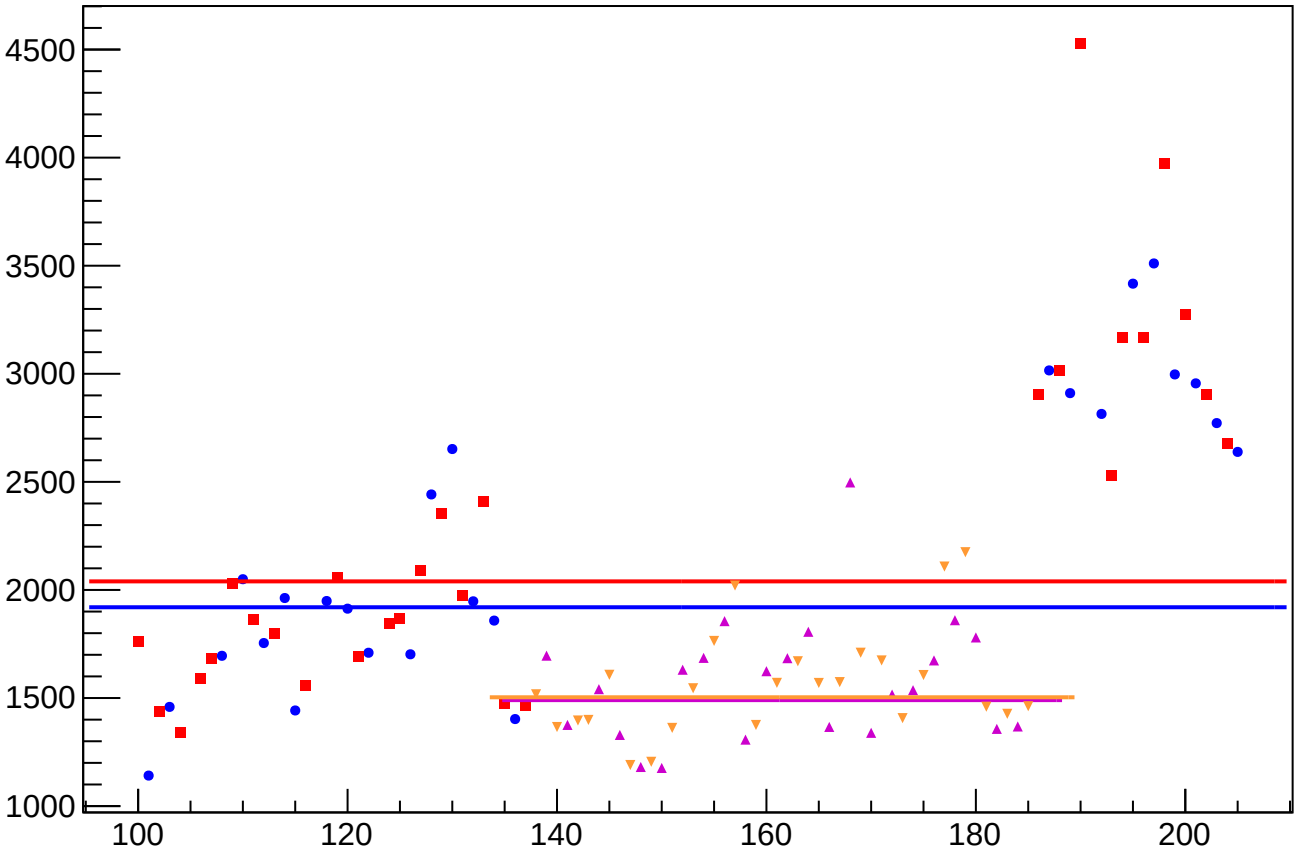
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -399.497+/-387.006 χ^2/NDF: 50.0/53

In: 16.932+/-296.505 χ^2/NDF:44.8/47

Out: 75.967+/-293.872 χ^2/NDF:53.1/53

All: 46.713+/-208.723 χ^2/NDF: 97.9/101



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

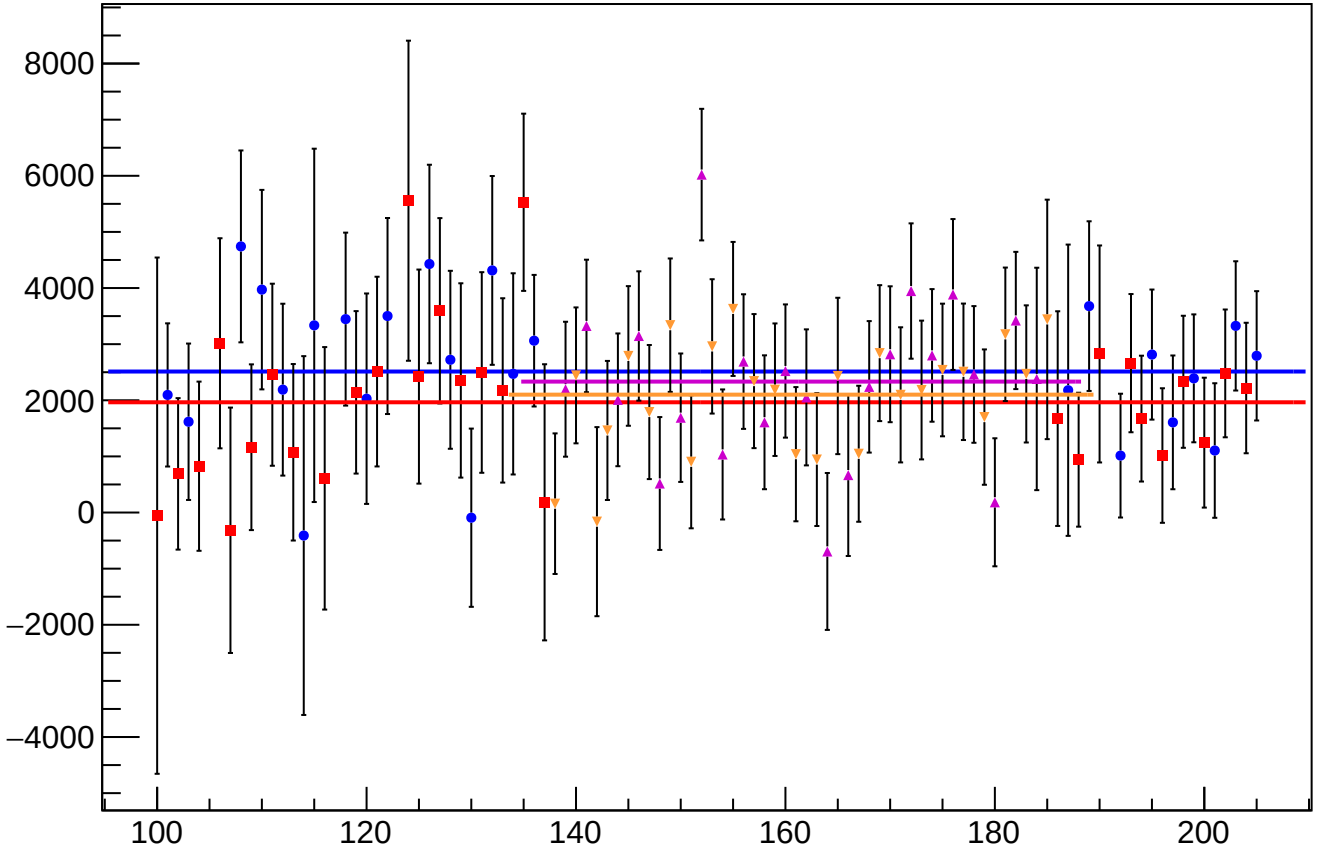
Right: 1978.822+/-0.274 χ^2/NDF: 5791975.5/53

In: 1618.424+/-0.210 χ^2/NDF:4779198.5/47

Out: 1655.548+/-0.208 χ^2/NDF:4964564.5/53

All: 1637.151+/-0.148 χ^2/NDF: 9759579.1/10

cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1964.382+/-282.756 χ^2/NDF: 15.3/28

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

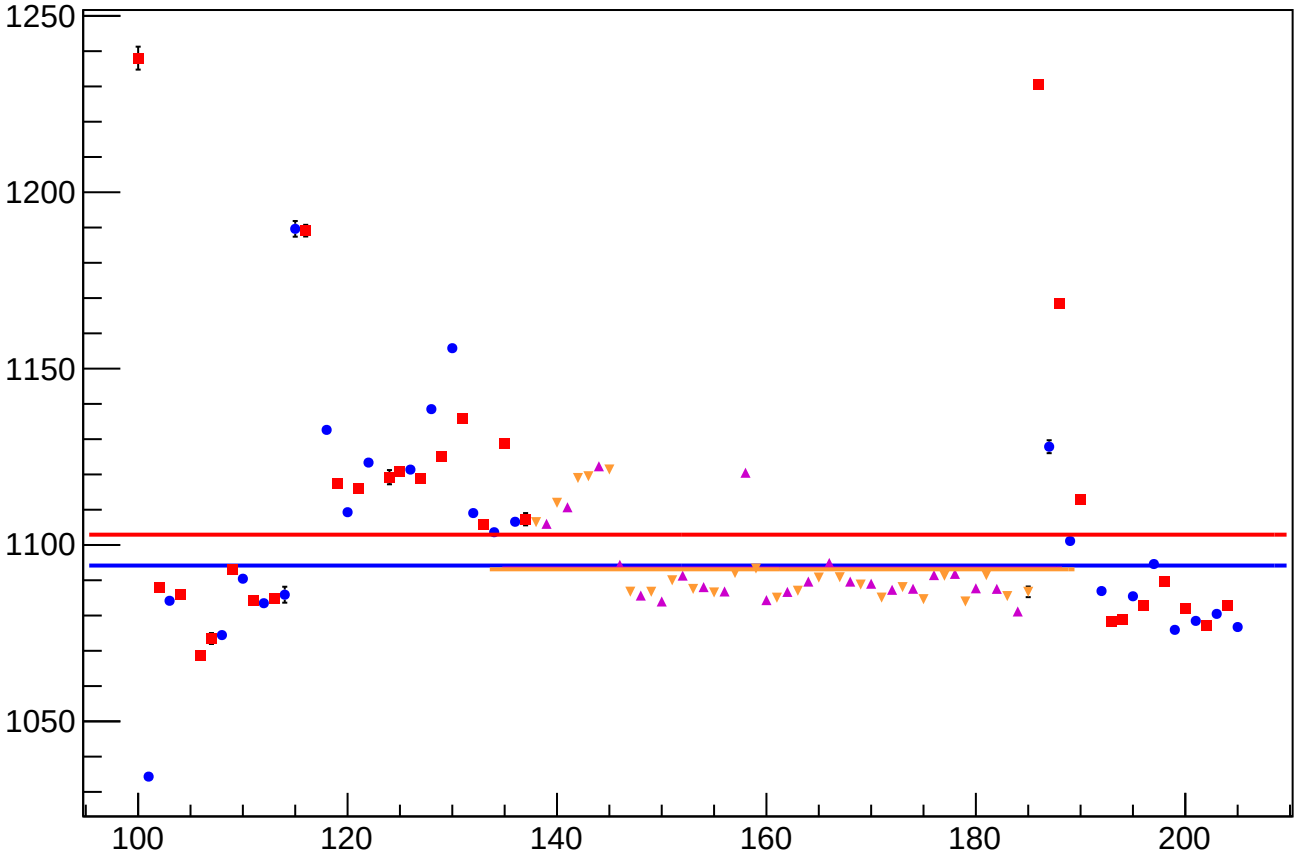
Right: 2230.229+/-202.894 χ^2/NDF: 32.0/53

In: 2410.901+/-191.993 χ^2/NDF:44.6/47

Out: 2041.176+/-186.577 χ^2/NDF:29.3/53

All: 2220.750+/-133.804 χ^2/NDF: 75.8/101

cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

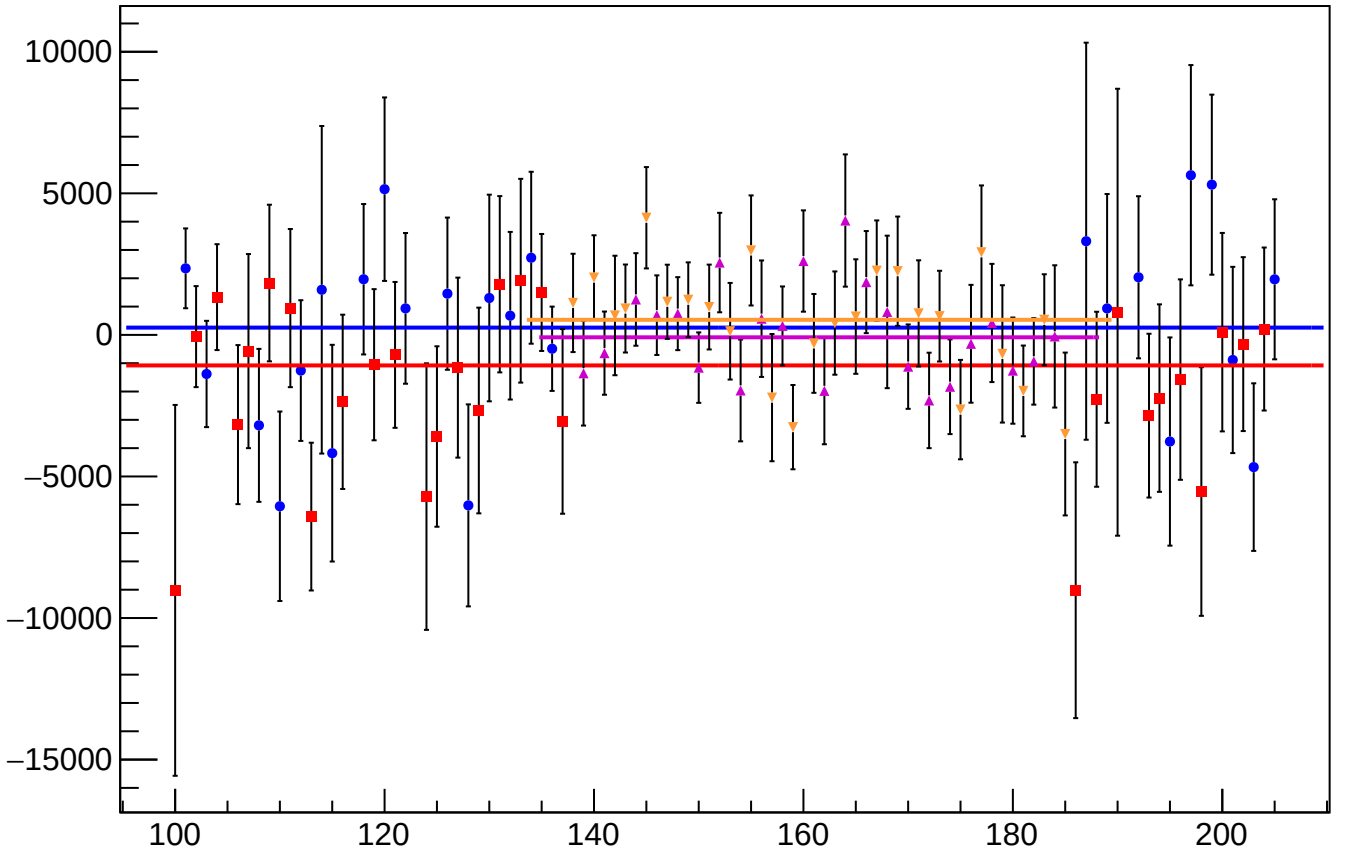
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1098.678+/-0.143 χ^2/NDF: 45951.3/53

In: 1093.700+/-0.136 χ^2/NDF:20058.6/47

Out: 1097.379+/-0.132 χ^2/NDF:34043.6/53

All: 1095.592+/-0.095 χ^2/NDF: 54480.0/101



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1077.975+/-551.740 χ^2/NDF: 20.5/28

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

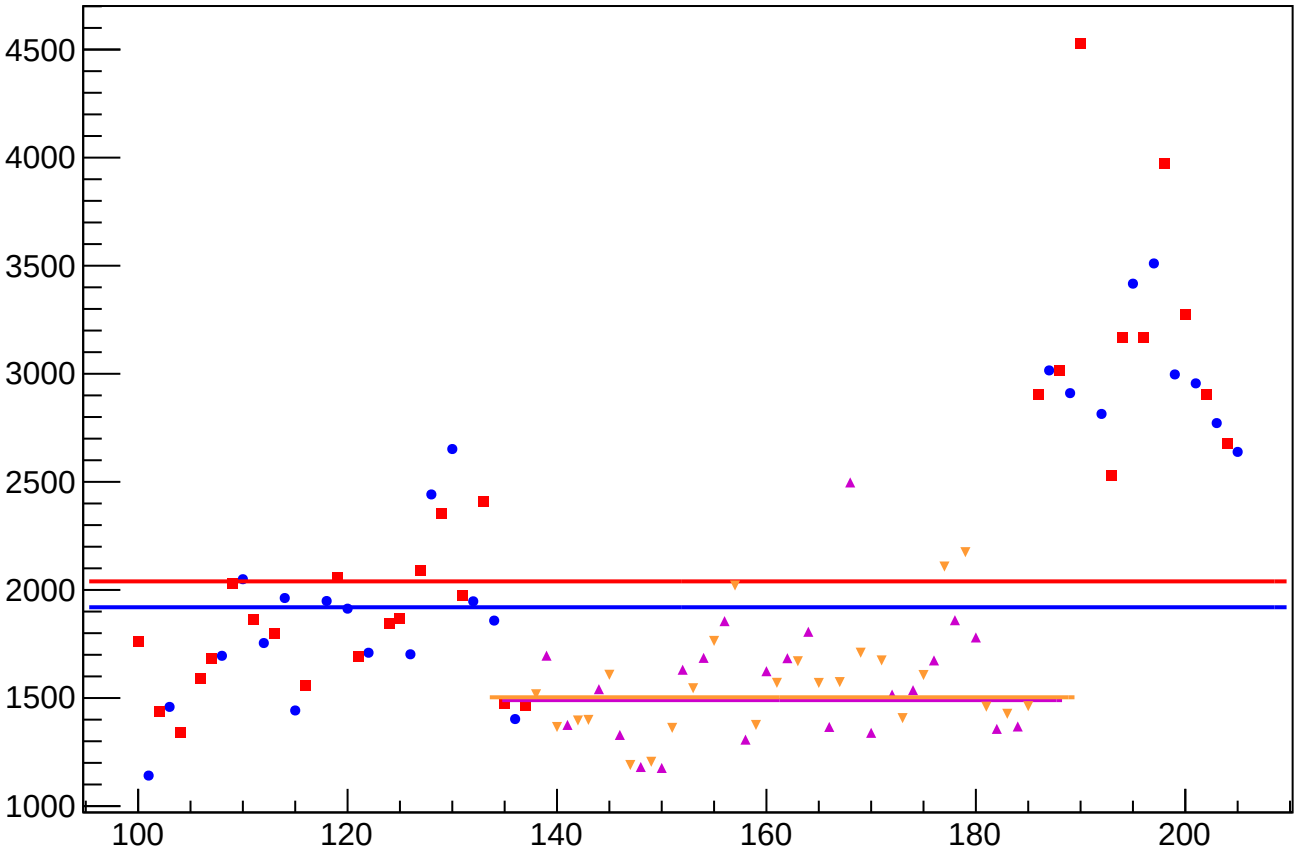
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -399.497+/-387.006 χ^2/NDF: 50.0/53

In: 16.932+/-296.505 χ^2/NDF:44.8/47

Out: 75.967+/-293.872 χ^2/NDF:53.1/53

All: 46.713+/-208.723 χ^2/NDF: 97.9/101



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

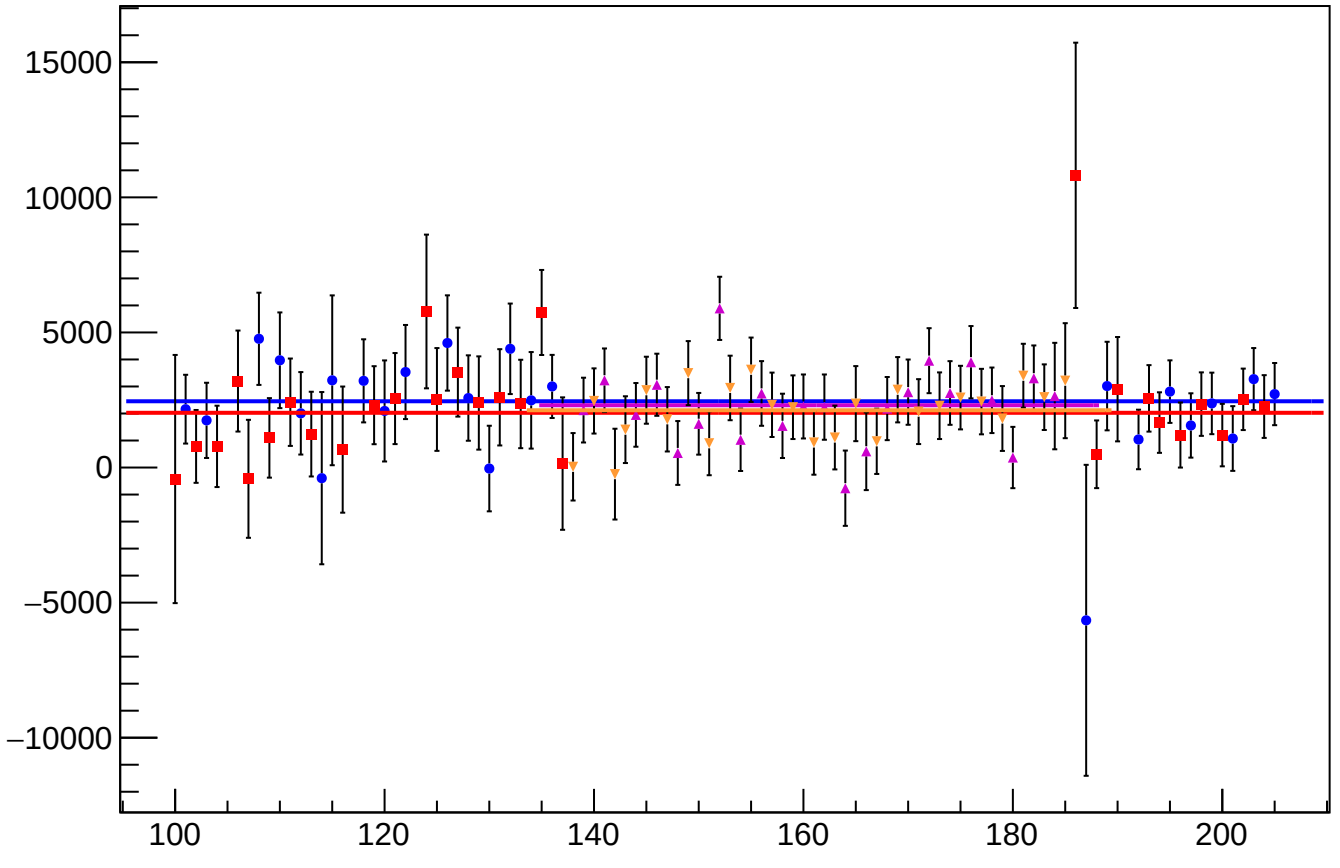
Left: 1497.001+/-0.175 χ^2/NDF: 1769293.4/47

Right: 1978.822+/-0.274 χ^2/NDF: 5791975.5/53

In: 1618.424+/-0.210 χ^2/NDF:4779198.5/47

Out: 1655.548+/-0.208 χ^2/NDF:4964564.5/53

All: 1637.151+/-0.148 χ^2/NDF: 9759579.1/10



Right In: 2452.732+/-293.071 χ^2/NDF: 16.3/24

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: 2025.898+/-285.778 χ^2/NDF: 20.1/28

Left In: 2305.411+/-254.497 χ^2/NDF:28.5/22

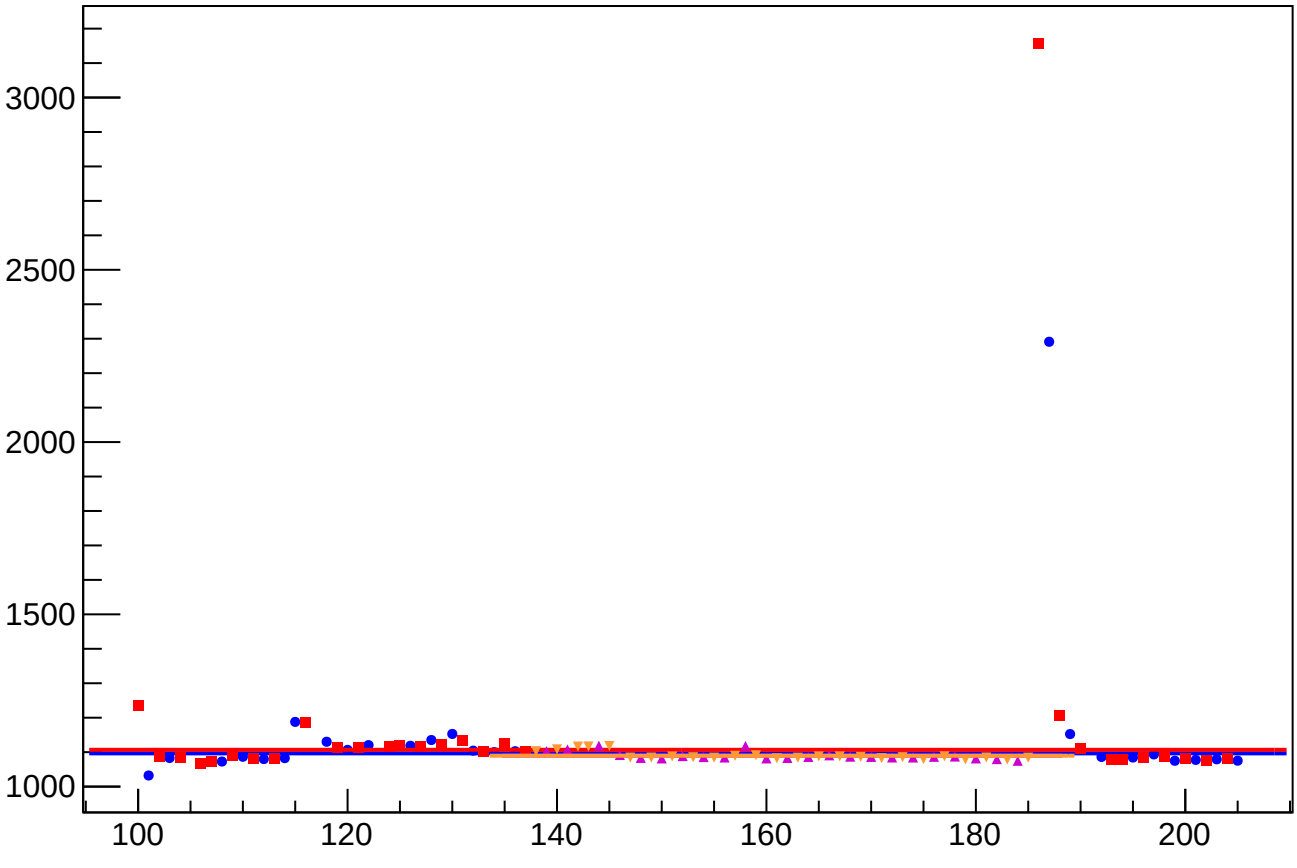
Left: 2210.124+/-177.447 χ^2/NDF: 43.9/47

Right: 2233.938+/-204.605 χ^2/NDF: 37.5/53

In: 2368.745+/-192.158 χ^2/NDF:44.9/47

Out: 2079.645+/-187.108 χ^2/NDF:35.3/53

All: 2220.347+/-134.055 χ^2/NDF: 81.4/101



Right In: 1096.473+/-0.207 χ^2/NDF: 104516.2/24

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1106.843+/-0.202 χ^2/NDF: 376287.7/28

Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

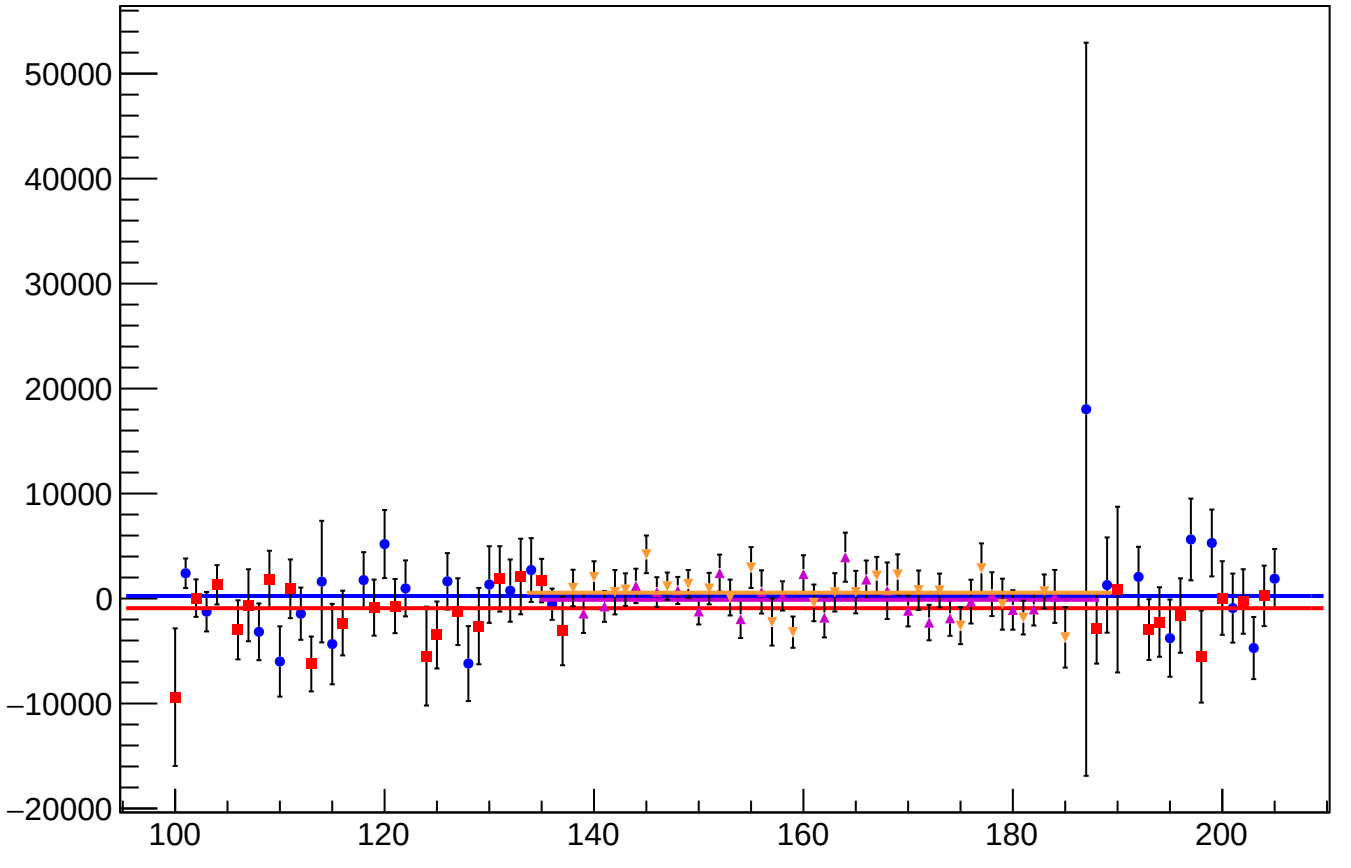
Left: 1089.851+/-0.125 χ^2/NDF: 7954.4/47

Right: 1101.789+/-0.145 χ^2/NDF: 482087.5/53

In: 1092.762+/-0.136 χ^2/NDF:108974.5/47

Out: 1097.074+/-0.132 χ^2/NDF:384436.3/53

All: 1094.975+/-0.095 χ^2/NDF: 493927.7/101



Right In: 242.326+/-546.133 χ^2/NDF: 26.9/24

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: -921.191+/-557.612 χ^2/NDF: 17.5/27

Left In: -121.420+/-354.540 χ^2/NDF:17.1/22

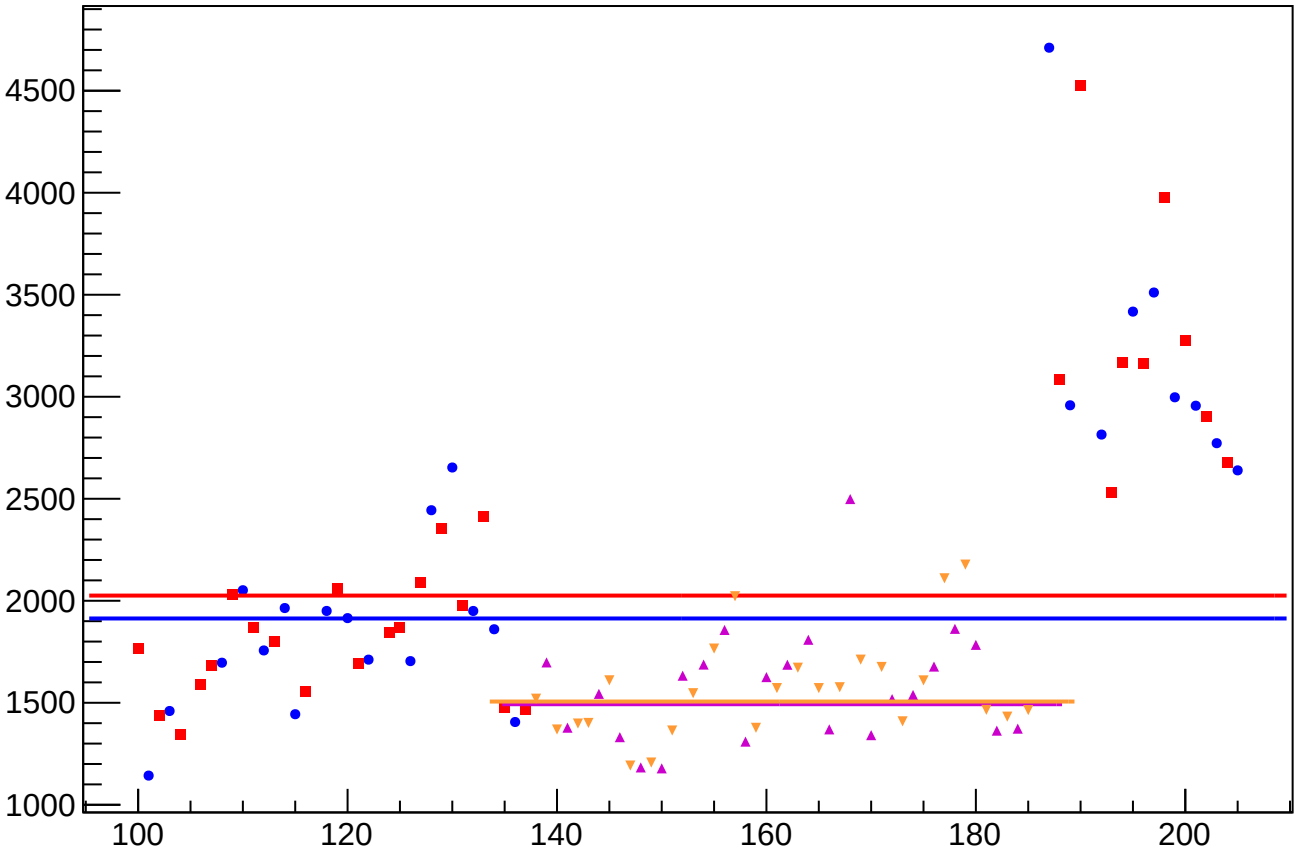
Left: 222.636+/-248.285 χ^2/NDF: 45.1/47

Right: -327.333+/-390.170 χ^2/NDF: 46.6/52

In: -13.574+/-297.373 χ^2/NDF:44.3/47

Out: 140.636+/-295.110 χ^2/NDF:48.7/52

All: 64.120+/-209.470 χ^2/NDF: 93.1/100



Right In: 1913.235+/-0.386 χ^2/NDF: 2871099.4/24

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

Right Out: 2025.446+/-0.394 χ^2/NDF: 2724313.2/27

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

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

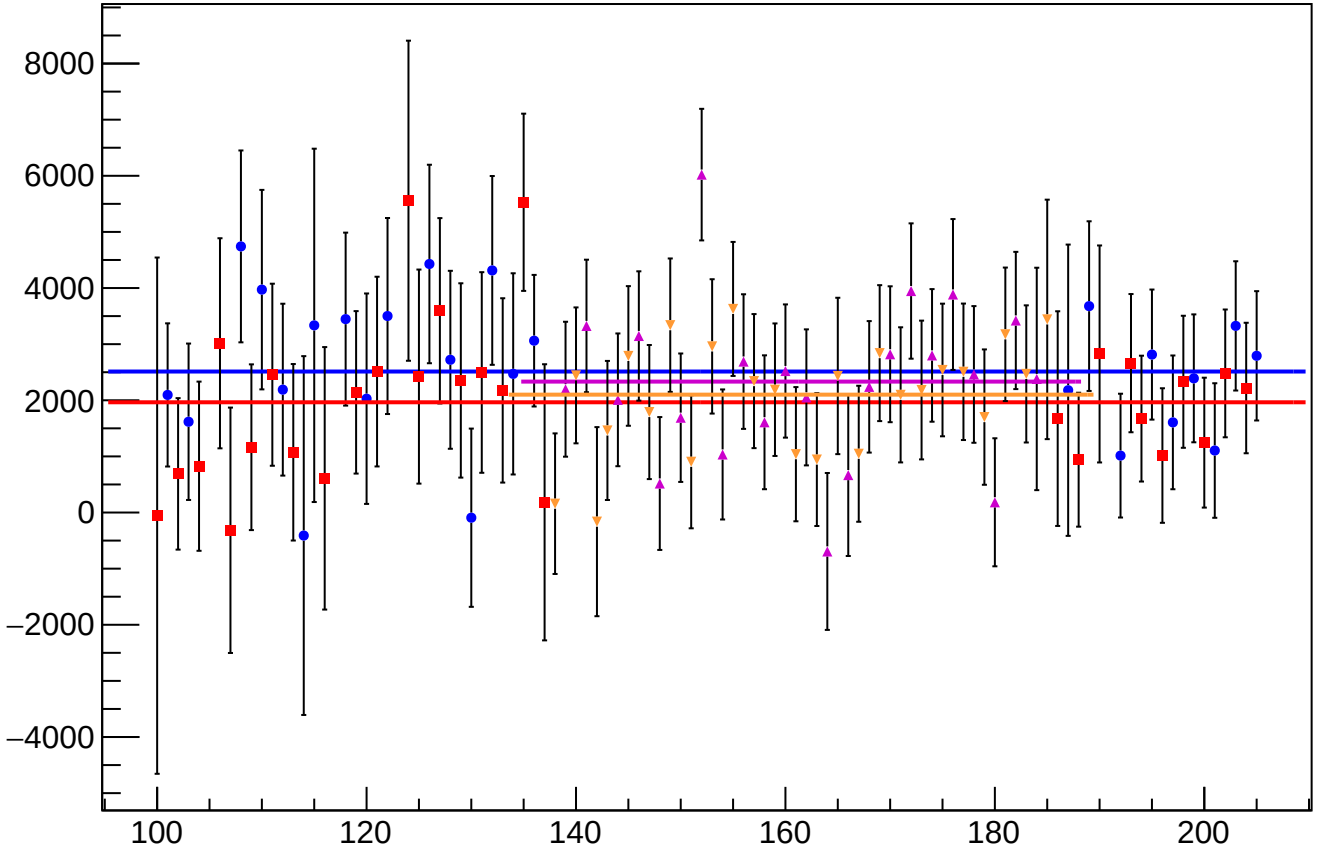
Right: 1968.174+/-0.276 χ^2/NDF: 5636750.5/52

In: 1617.577+/-0.210 χ^2/NDF:4668636.7/47

Out: 1651.567+/-0.209 χ^2/NDF:4769682.5/52

All: 1634.702+/-0.148 χ^2/NDF: 9451483.7/10

eigen_cor_asym_usr_mean vs Slug, Sign Corrected



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: 1964.382+/-282.756 χ^2/NDF: 15.3/28

Left In: 2332.954+/-255.284 χ^2/NDF:29.5/22

Left: 2213.454+/-177.995 χ^2/NDF: 43.7/47

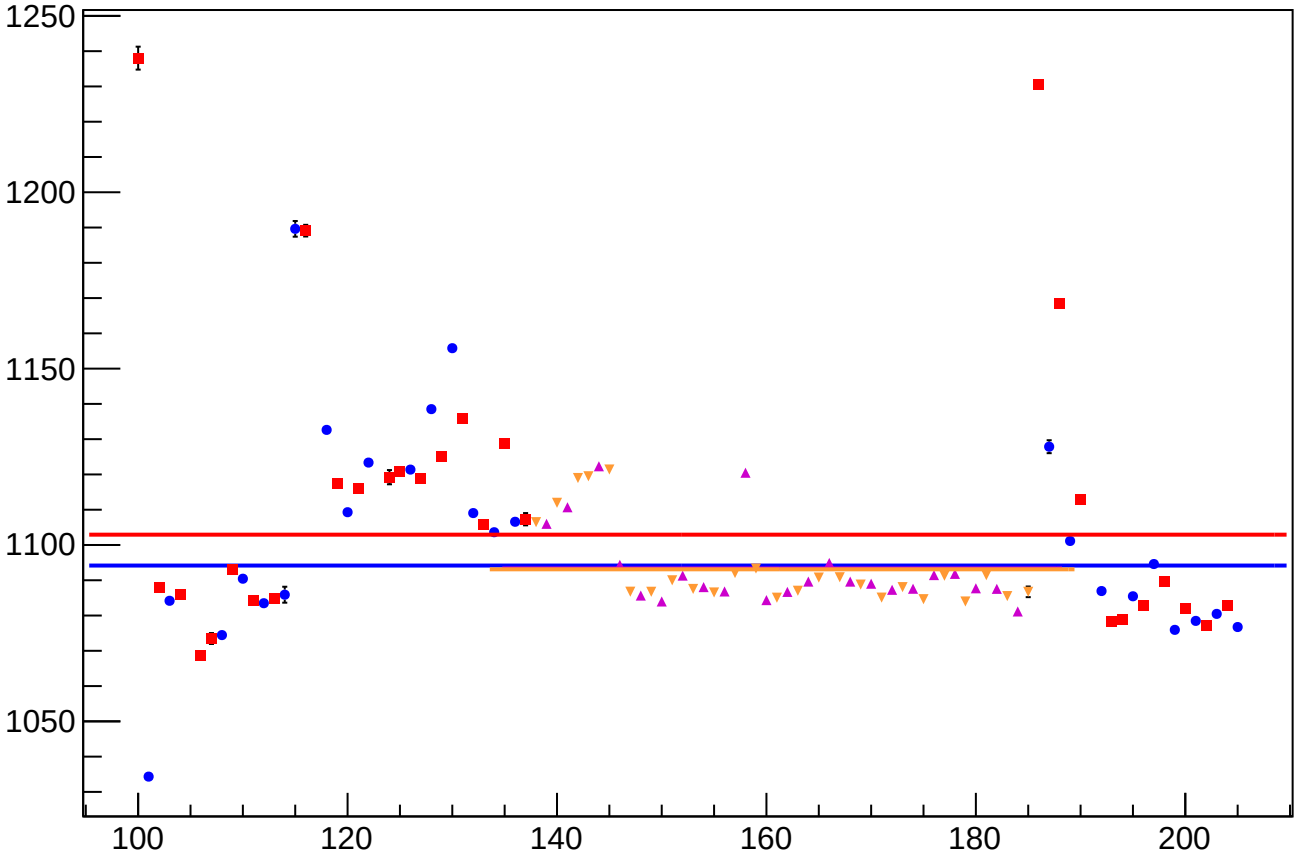
Right: 2230.229+/-202.894 χ^2/NDF: 32.0/53

In: 2410.901+/-191.993 χ^2/NDF:44.6/47

Out: 2041.176+/-186.577 χ^2/NDF:29.3/53

All: 2220.750+/-133.804 χ^2/NDF: 75.8/101

eigen_cor_asym_usr_rms vs Slug, Sign Corrected



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1102.925+/-0.200 χ^2/NDF: 28697.6/28

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

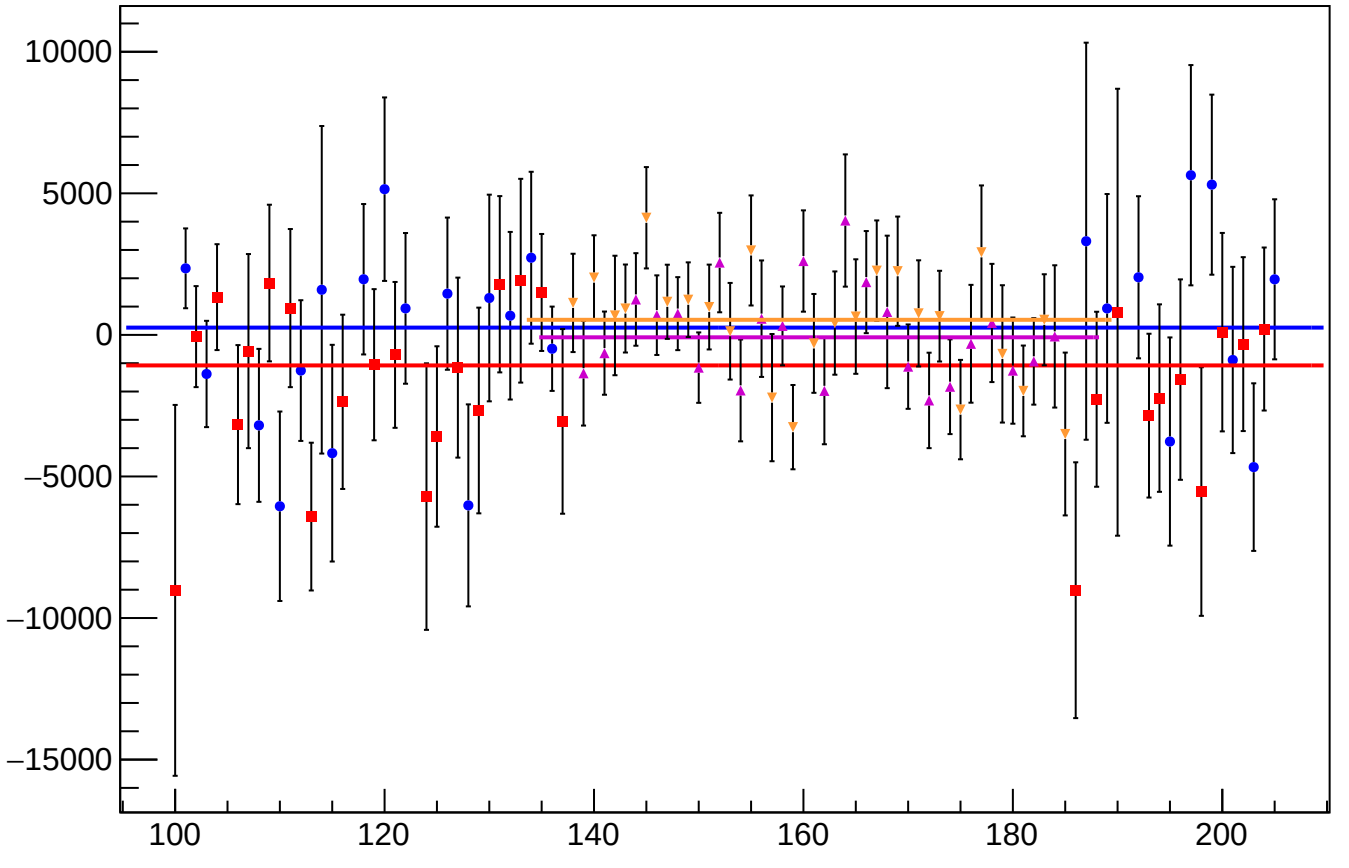
Left: 1093.217+/-0.126 χ^2/NDF: 7709.8/47

Right: 1098.678+/-0.143 χ^2/NDF: 45951.3/53

In: 1093.700+/-0.136 χ^2/NDF:20058.6/47

Out: 1097.379+/-0.132 χ^2/NDF:34043.6/53

All: 1095.592+/-0.095 χ^2/NDF: 54480.0/101



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: -1077.975+/-551.740 χ^2/NDF: 20.5/28

Left In: -85.329+/-353.933 χ^2/NDF:18.1/22

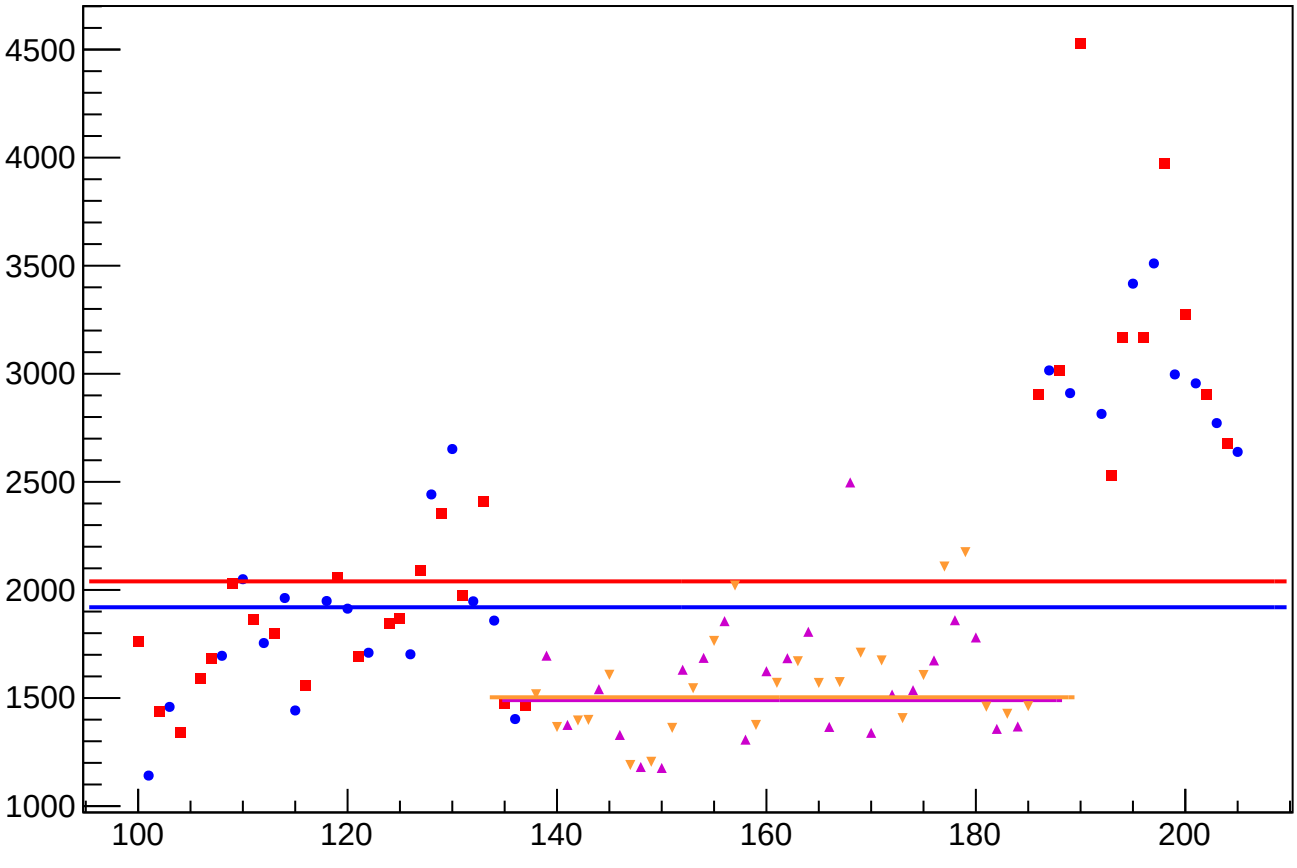
Left: 229.744+/-247.862 χ^2/NDF: 46.1/47

Right: -399.497+/-387.006 χ^2/NDF: 50.0/53

In: 16.932+/-296.505 χ^2/NDF:44.8/47

Out: 75.967+/-293.872 χ^2/NDF:53.1/53

All: 46.713+/-208.723 χ^2/NDF: 97.9/101



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2039.621+/-0.390 χ^2/NDF: 2811925.6/28

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

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

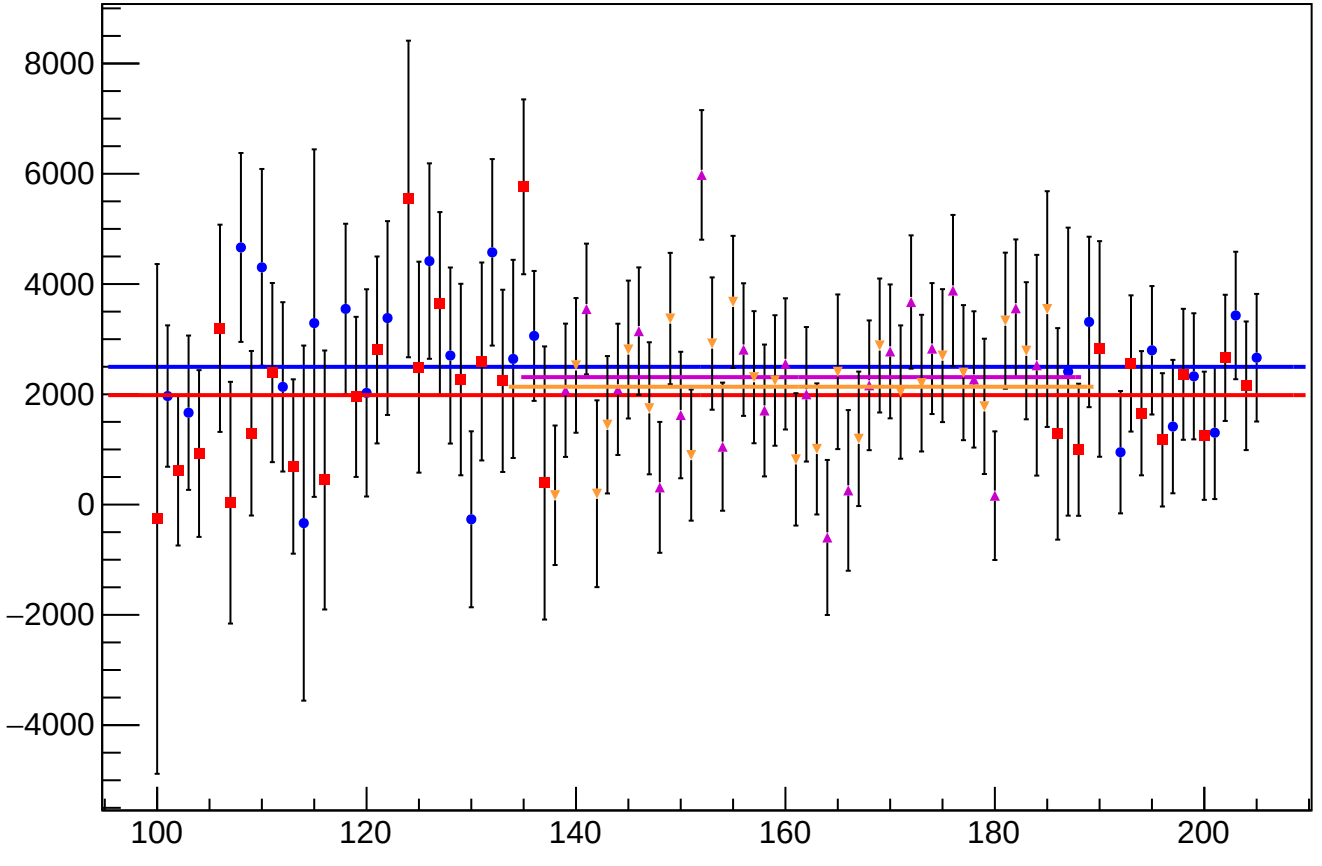
Right: 1978.822+/-0.274 χ^2/NDF: 5791975.5/53

In: 1618.424+/-0.210 χ^2/NDF:4779198.5/47

Out: 1655.548+/-0.208 χ^2/NDF:4964564.5/53

All: 1637.151+/-0.148 χ^2/NDF: 9759579.1/10

dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2498.322+/-292.960 χ^2/NDF: 15.5/24

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: 1985.319+/-284.160 χ^2/NDF: 16.1/28

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.119+/-179.284 χ^2/NDF: 44.1/47

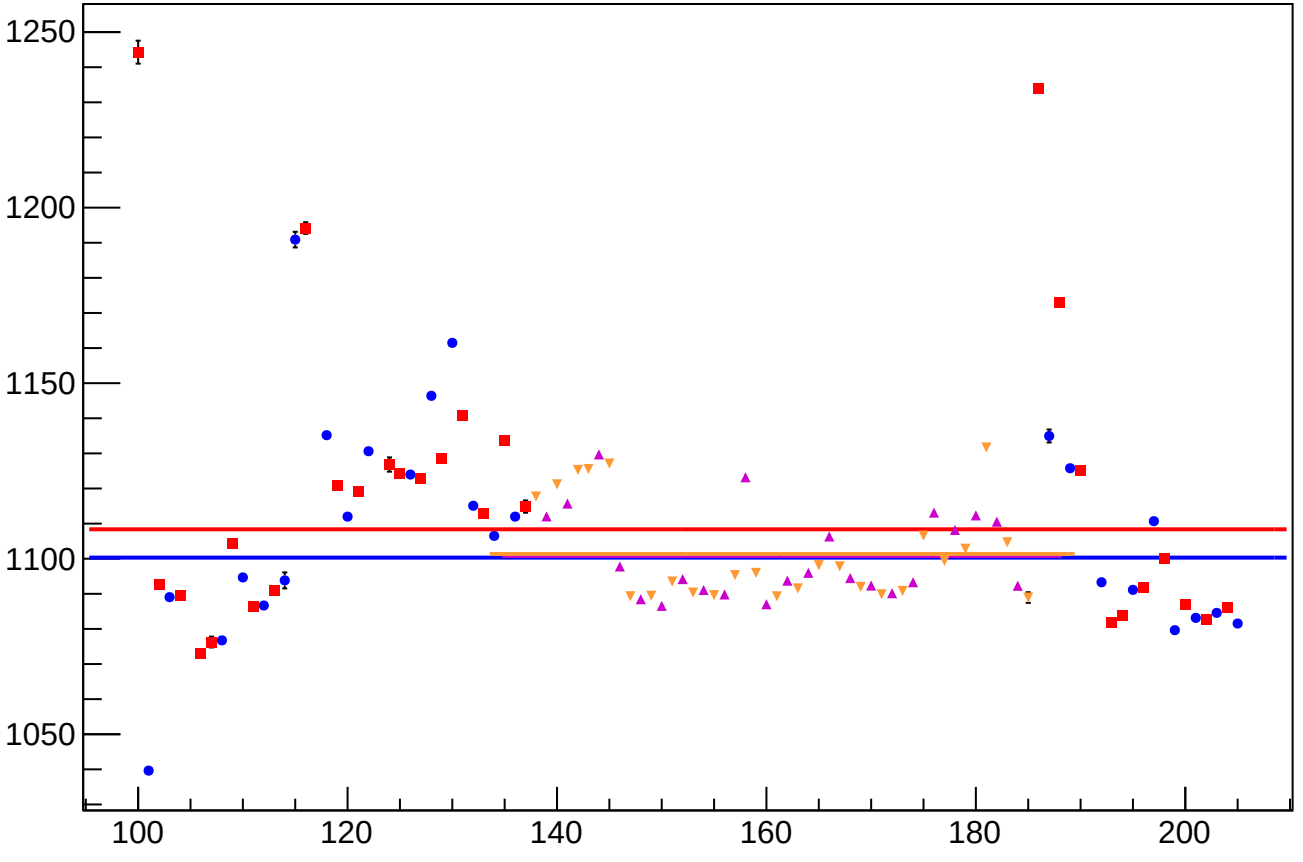
Right: 2234.000+/-203.971 χ^2/NDF: 33.2/53

In: 2392.908+/-193.212 χ^2/NDF:45.7/47

Out: 2070.866+/-187.781 χ^2/NDF:30.2/53

All: 2227.297+/-134.660 χ^2/NDF: 77.3/101

dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.315+/-0.207 χ^2/NDF: 17052.7/24

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1108.379+/-0.201 χ^2/NDF: 28115.4/28

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

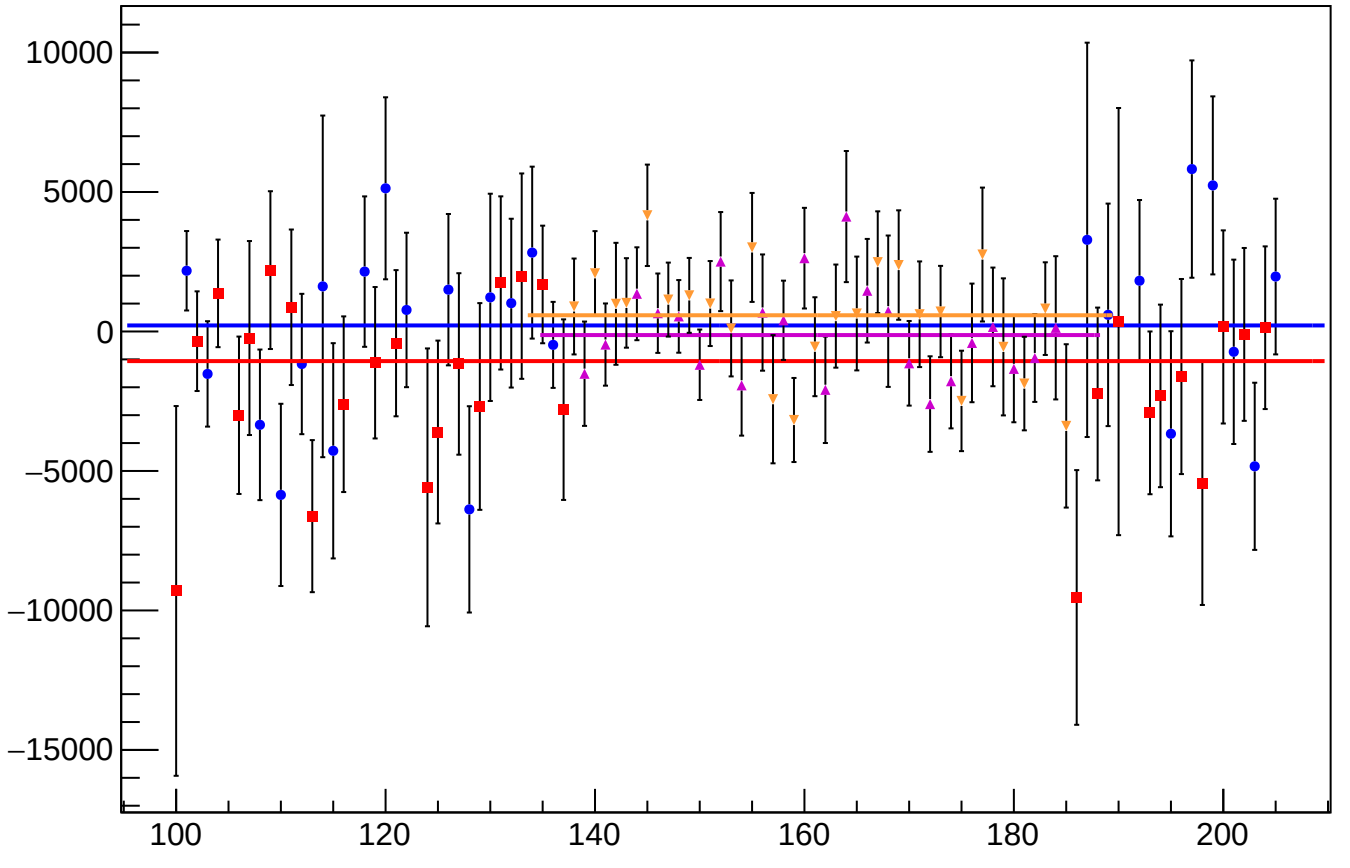
Left: 1101.080+/-0.127 χ^2/NDF: 10597.2/47

Right: 1104.470+/-0.144 χ^2/NDF: 45948.9/53

In: 1100.585+/-0.137 χ^2/NDF:21697.4/47

Out: 1104.421+/-0.133 χ^2/NDF:34754.7/53

All: 1102.558+/-0.095 χ^2/NDF: 56857.6/101



Right In: 216.478+/-549.907 χ^2/NDF: 26.4/24

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: -1061.960+/-558.784 χ^2/NDF: 20.8/28

Left In: -128.769+/-359.128 χ^2/NDF:17.9/22

Left: 232.050+/-251.888 χ^2/NDF: 45.2/47

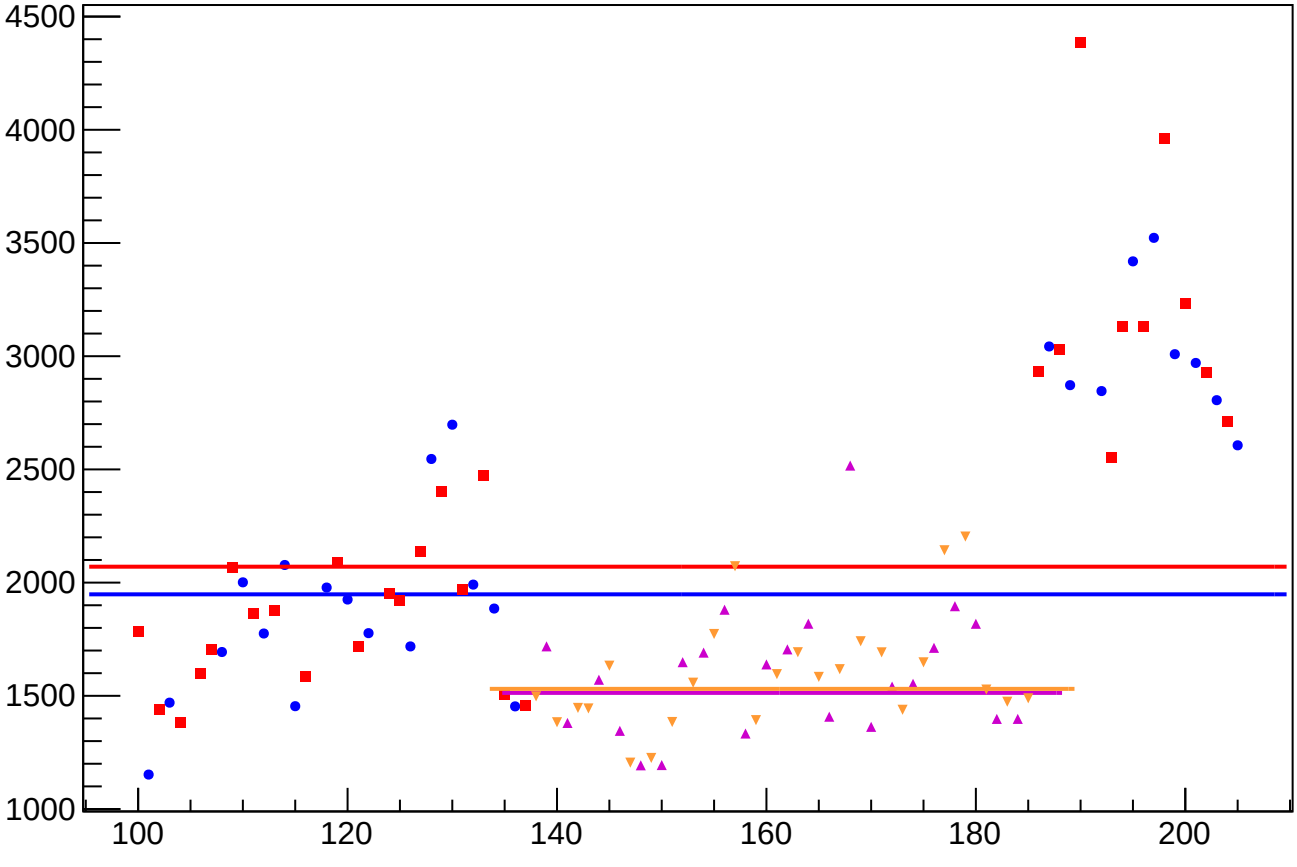
Right: -412.505+/-391.944 χ^2/NDF: 49.9/53

In: -25.546+/-300.686 χ^2/NDF:44.6/47

Out: 111.921+/-298.672 χ^2/NDF:52.3/53

All: 43.650+/-211.902 χ^2/NDF: 97.0/101

asym_usr_dit_correction_rms vs Slug, Sign Corrected



Right In: 1948.252+/-0.389 χ^2/NDF: 2860133.4/24

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2070.338+/-0.395 χ^2/NDF: 2700076.0/28

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

Left: 1521.999+/-0.178 χ^2/NDF: 1755195.1/47

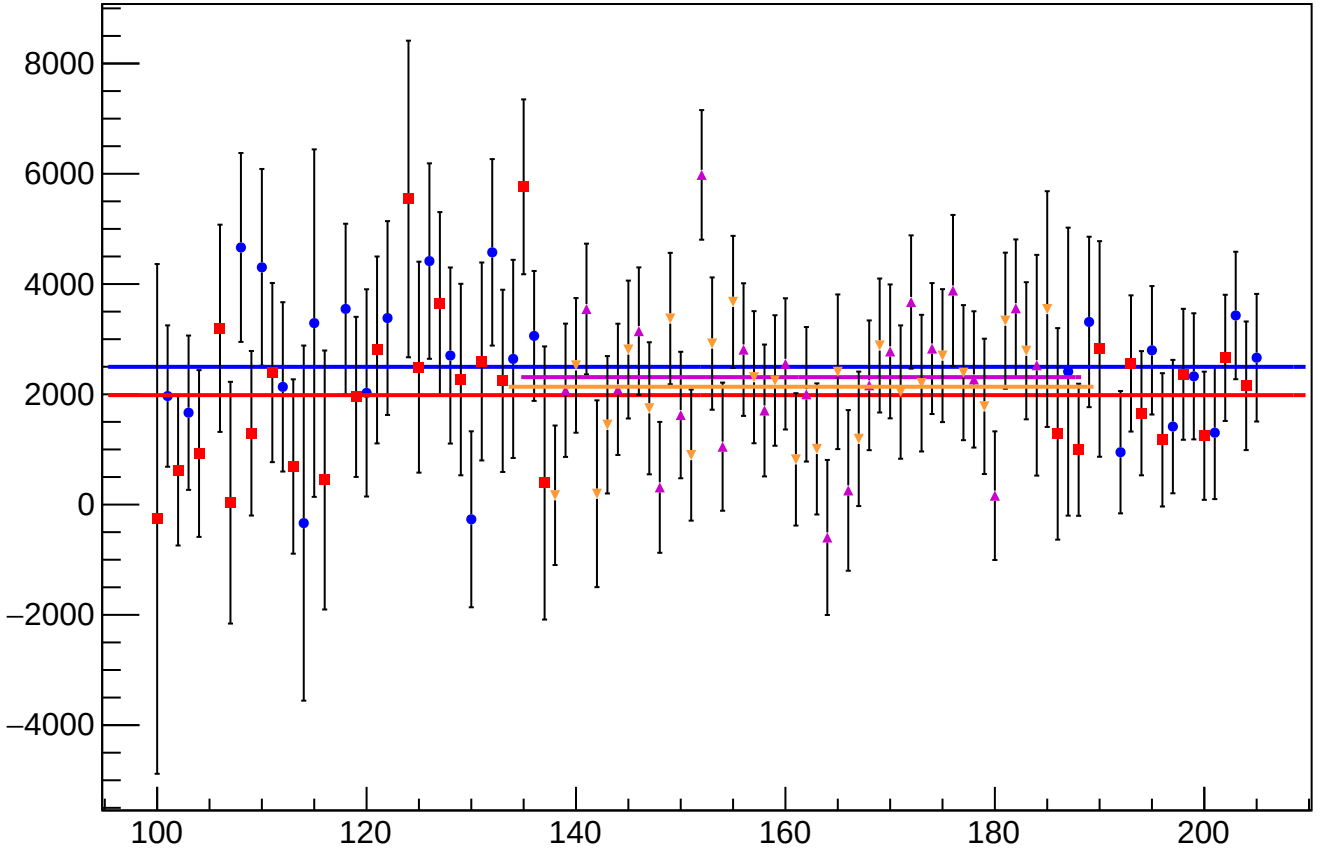
Right: 2008.318+/-0.277 χ^2/NDF: 5608709.6/53

In: 1643.096+/-0.213 χ^2/NDF:4695742.7/47

Out: 1684.917+/-0.211 χ^2/NDF:4827782.1/53

All: 1664.147+/-0.150 χ^2/NDF: 9542999.5/10

eigen_dit_asym_usr_mean vs Slug, Sign Corrected



Right In: 2498.321+/-292.960 χ^2/NDF: 15.5/24

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: 1985.318+/-284.160 χ^2/NDF: 16.1/28

Left In: 2311.761+/-257.036 χ^2/NDF:29.9/22

Left: 2222.118+/-179.284 χ^2/NDF: 44.1/47

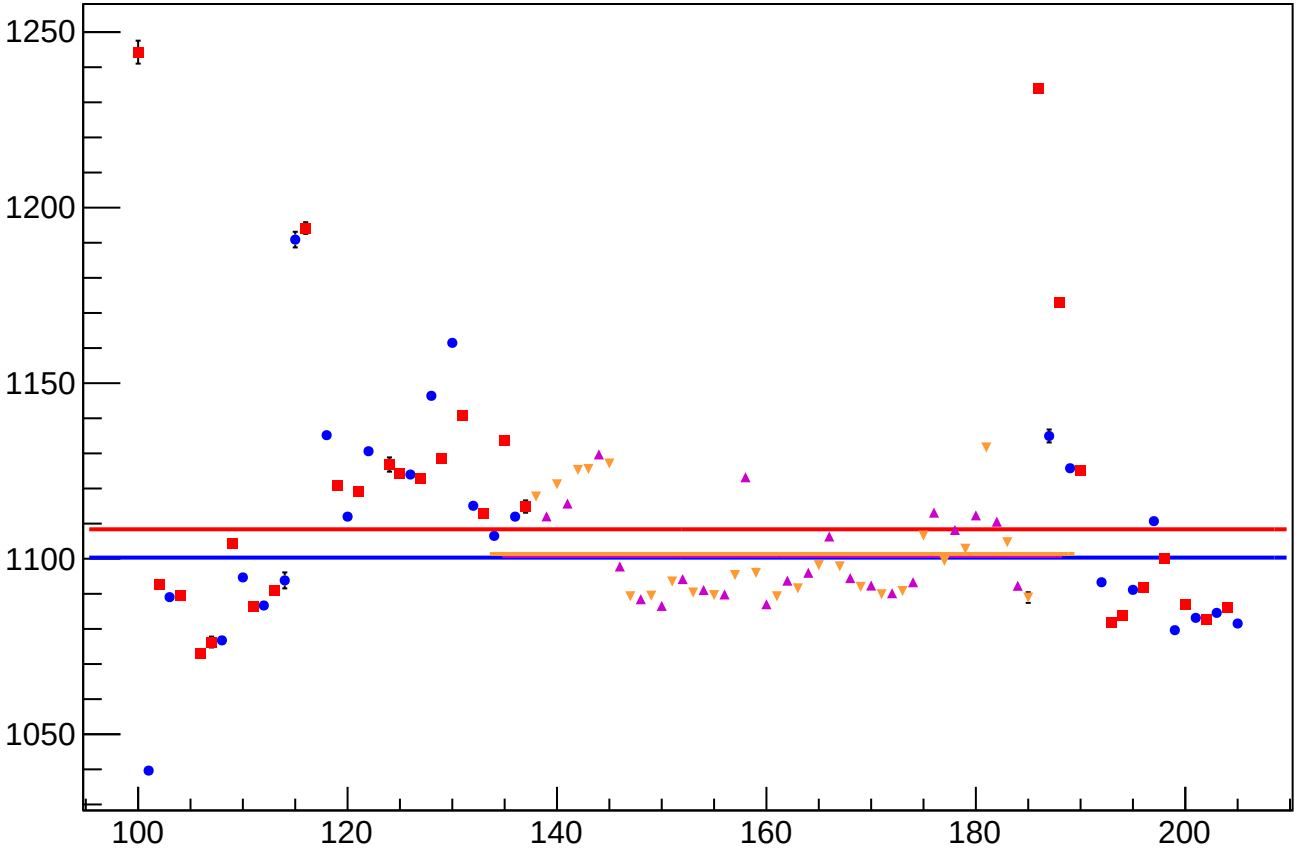
Right: 2233.998+/-203.971 χ^2/NDF: 33.2/53

In: 2392.907+/-193.212 χ^2/NDF:45.7/47

Out: 2070.864+/-187.781 χ^2/NDF:30.2/53

All: 2227.296+/-134.660 χ^2/NDF: 77.3/101

eigen_dit_asym_usr_rms vs Slug, Sign Corrected



Right In: 1100.315+/-0.207 χ^2/NDF: 17052.6/24

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1108.379+/-0.201 χ^2/NDF: 28115.4/28

Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

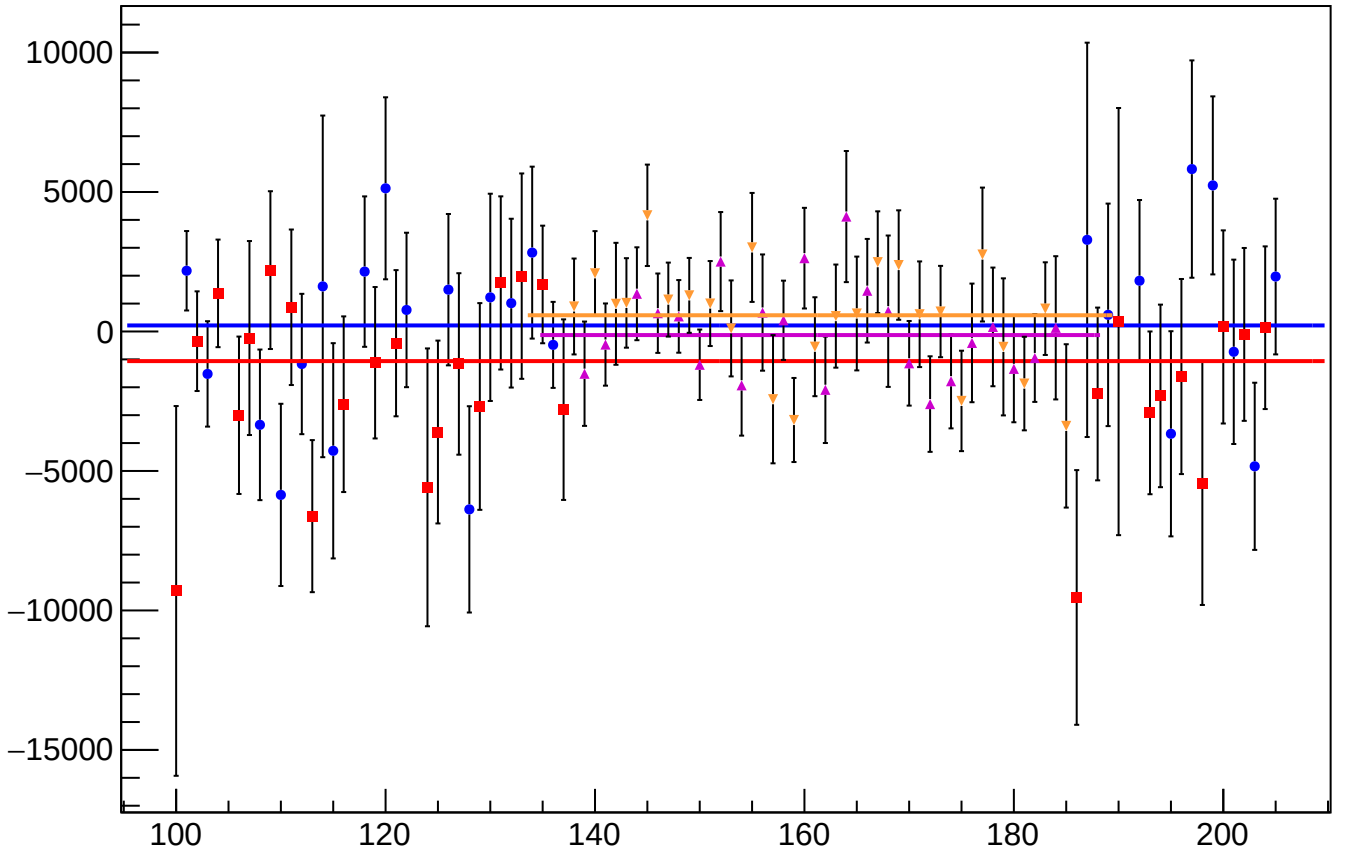
Left: 1101.081+/-0.127 χ^2/NDF: 10597.2/47

Right: 1104.470+/-0.144 χ^2/NDF: 45948.7/53

In: 1100.585+/-0.137 χ^2/NDF:21697.3/47

Out: 1104.421+/-0.133 χ^2/NDF:34754.6/53

All: 1102.558+/-0.095 χ^2/NDF: 56857.4/101



Right In: 216.474+/-549.907 χ^2/NDF: 26.4/24

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: -1061.961+/-558.784 χ^2/NDF: 20.8/28

Left In: -128.769+/-359.129 χ^2/NDF:17.9/22

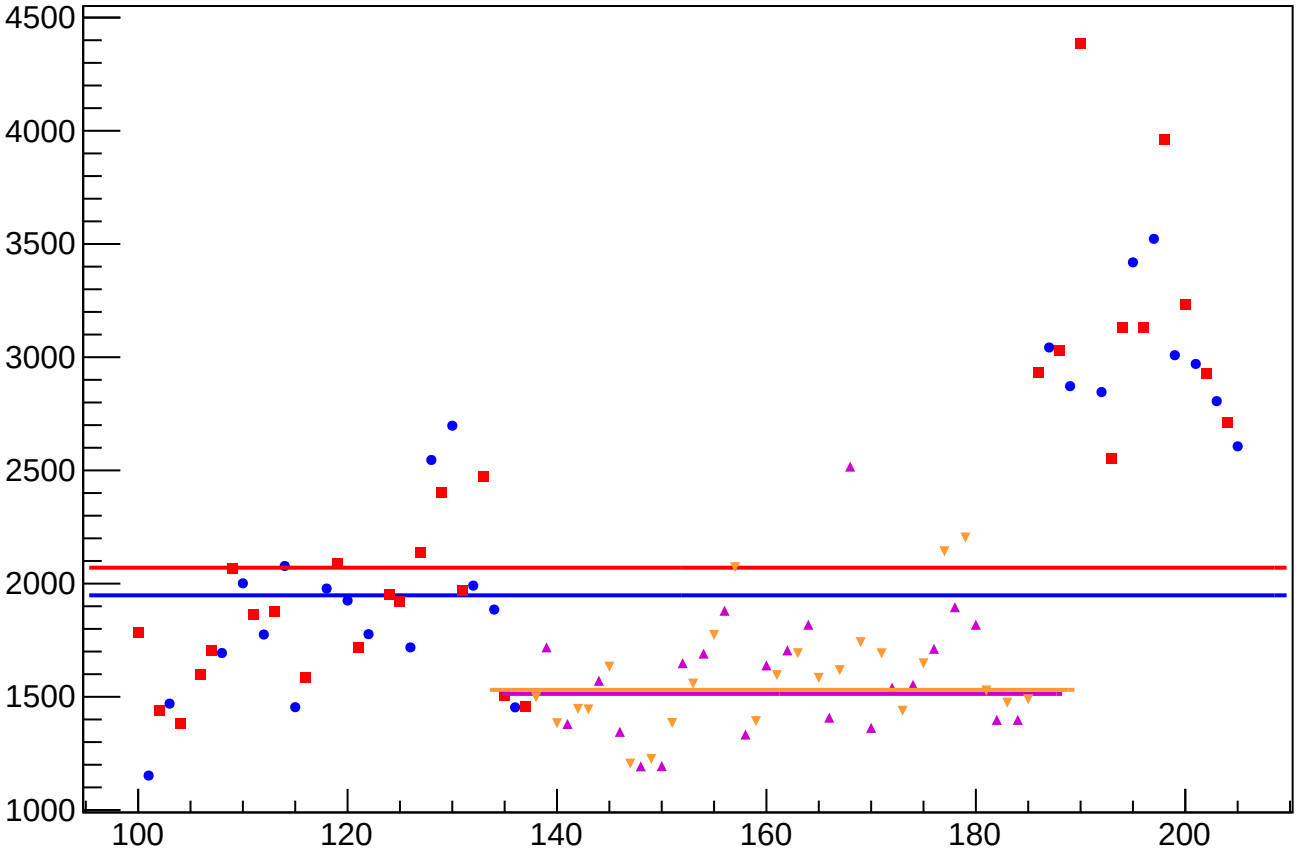
Left: 232.049+/-251.889 χ^2/NDF: 45.2/47

Right: -412.508+/-391.944 χ^2/NDF: 49.9/53

In: -25.546+/-300.687 χ^2/NDF:44.6/47

Out: 111.917+/-298.673 χ^2/NDF:52.3/53

All: 43.647+/-211.902 χ^2/NDF: 97.0/101



Right In: 1948.250+/-0.389 χ^2/NDF: 2860136.5/24

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

Right Out: 2070.337+/-0.395 χ^2/NDF: 2700072.1/28

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

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

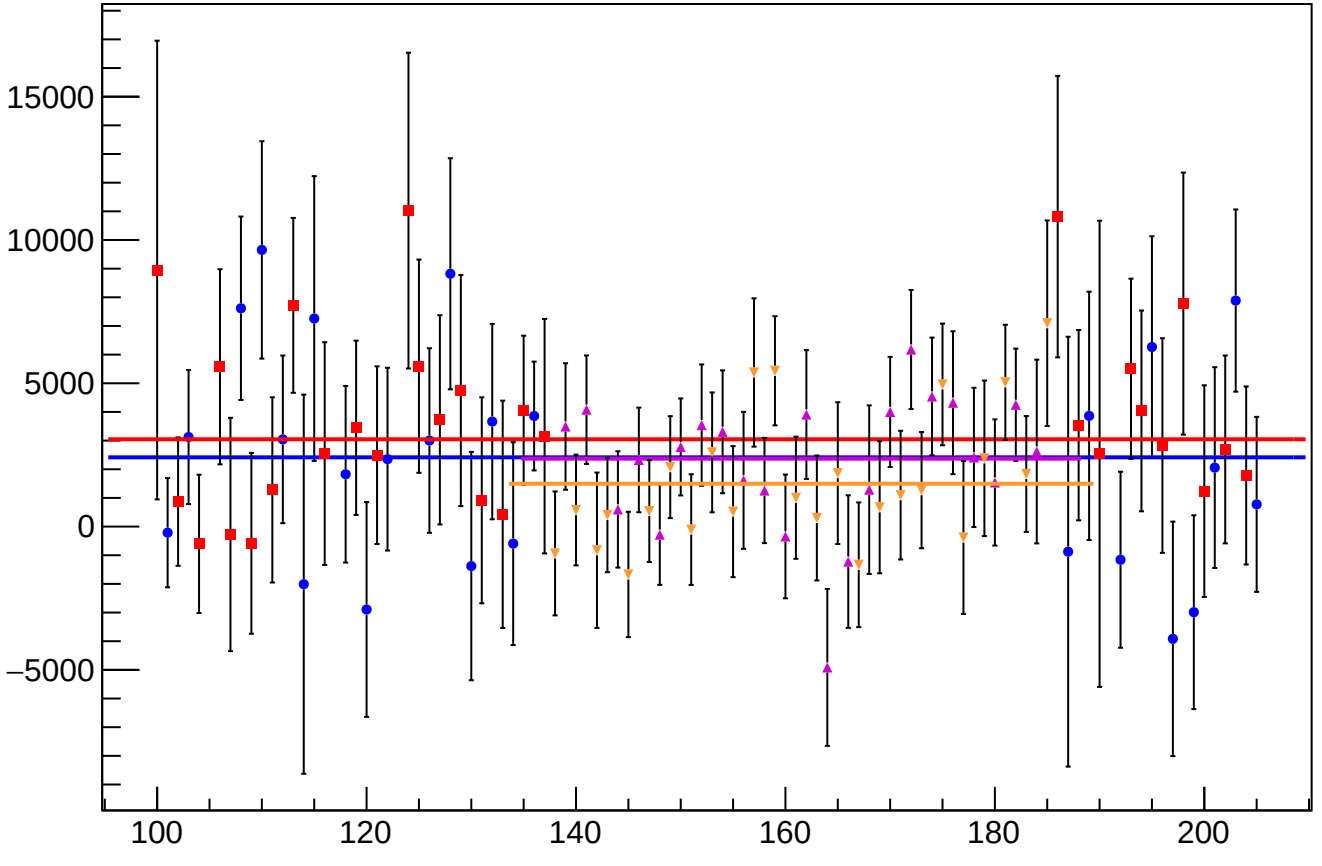
Right: 2008.316+/-0.277 χ^2/NDF: 5608709.2/53

In: 1643.099+/-0.213 χ^2/NDF:4695728.3/47

Out: 1684.920+/-0.211 χ^2/NDF:4827754.8/53

All: 1664.150+/-0.150 χ^2/NDF: 9542958.2/10

asym_usr_mean vs Slug, Sign Corrected



Right In: 2415.942+/-642.343 χ^2/NDF: 27.5/24

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: 3045.998+/-642.241 χ^2/NDF: 17.5/28

Left In: 2370.694+/-442.952 χ^2/NDF:23.7/22

Left: 1923.108+/-309.708 χ^2/NDF: 49.5/47

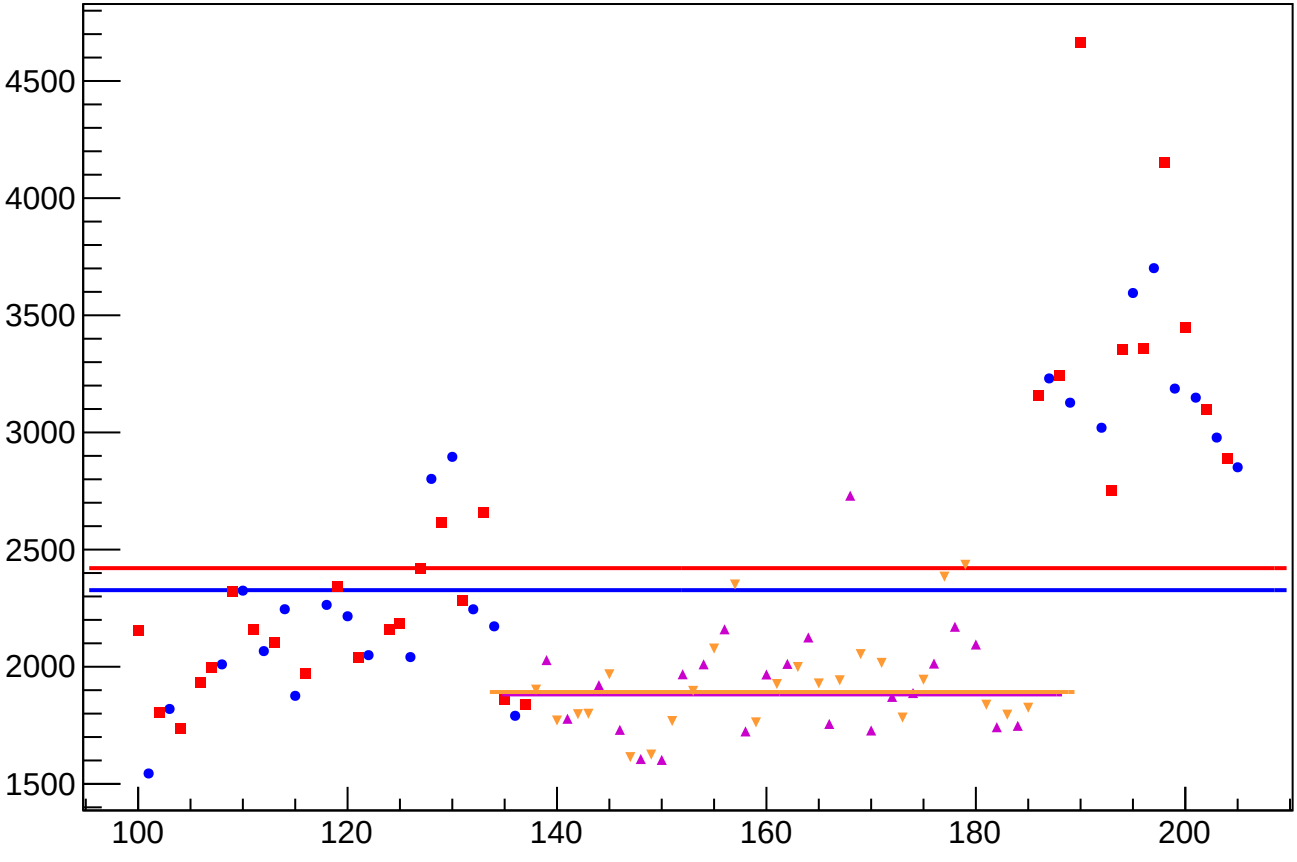
Right: 2731.020+/-454.169 χ^2/NDF: 45.5/53

In: 2385.276+/-364.655 χ^2/NDF:51.2/47

Out: 1980.005+/-359.136 χ^2/NDF:45.2/53

All: 2179.550+/-255.877 χ^2/NDF: 97.1/101

asym_usr_rms vs Slug, Sign Corrected



Right In: 2326.903+/-0.454 χ^2/NDF: 1772757.3/24

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

Right Out: 2420.868+/-0.454 χ^2/NDF: 1815821.2/28

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

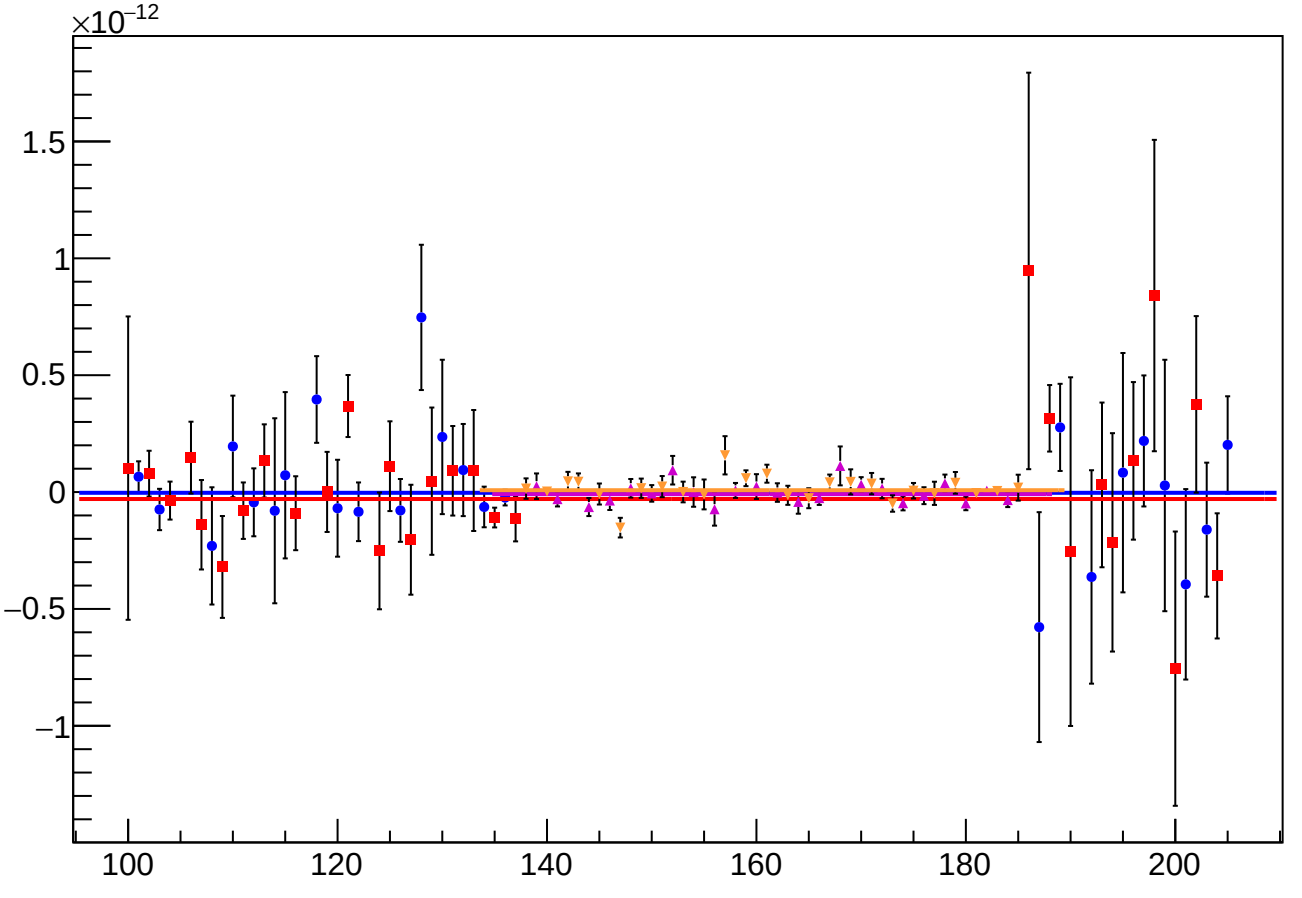
Left: 1887.118+/-0.219 χ^2/NDF: 852852.3/47

Right: 2373.893+/-0.321 χ^2/NDF: 3609980.8/53

In: 2025.309+/-0.258 χ^2/NDF:2885981.1/47

Out: 2057.455+/-0.254 χ^2/NDF:3137188.6/53

All: 2041.627+/-0.181 χ^2/NDF: 6031059.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/28

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

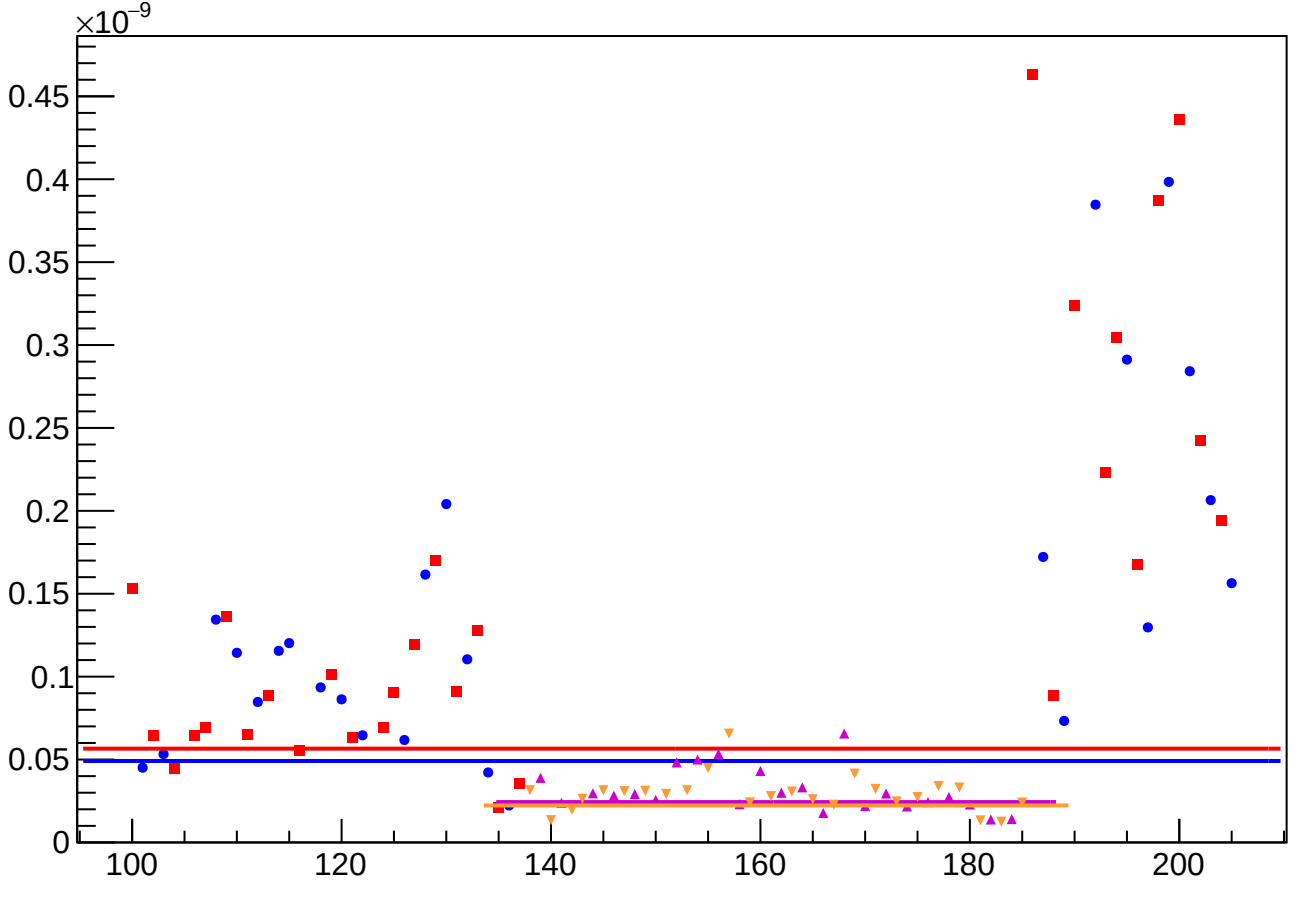
Left: 0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 59.8/53

In: -0.000+/-0.000 χ^2/NDF:42.7/47

Out: 0.000+/-0.000 χ^2/NDF:69.9/53

All: -0.000+/-0.000 χ^2/NDF: 114.7/101



Right In: 0.000+/-0.000 χ^2/NDF: 7591706.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7175965.6/28

Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

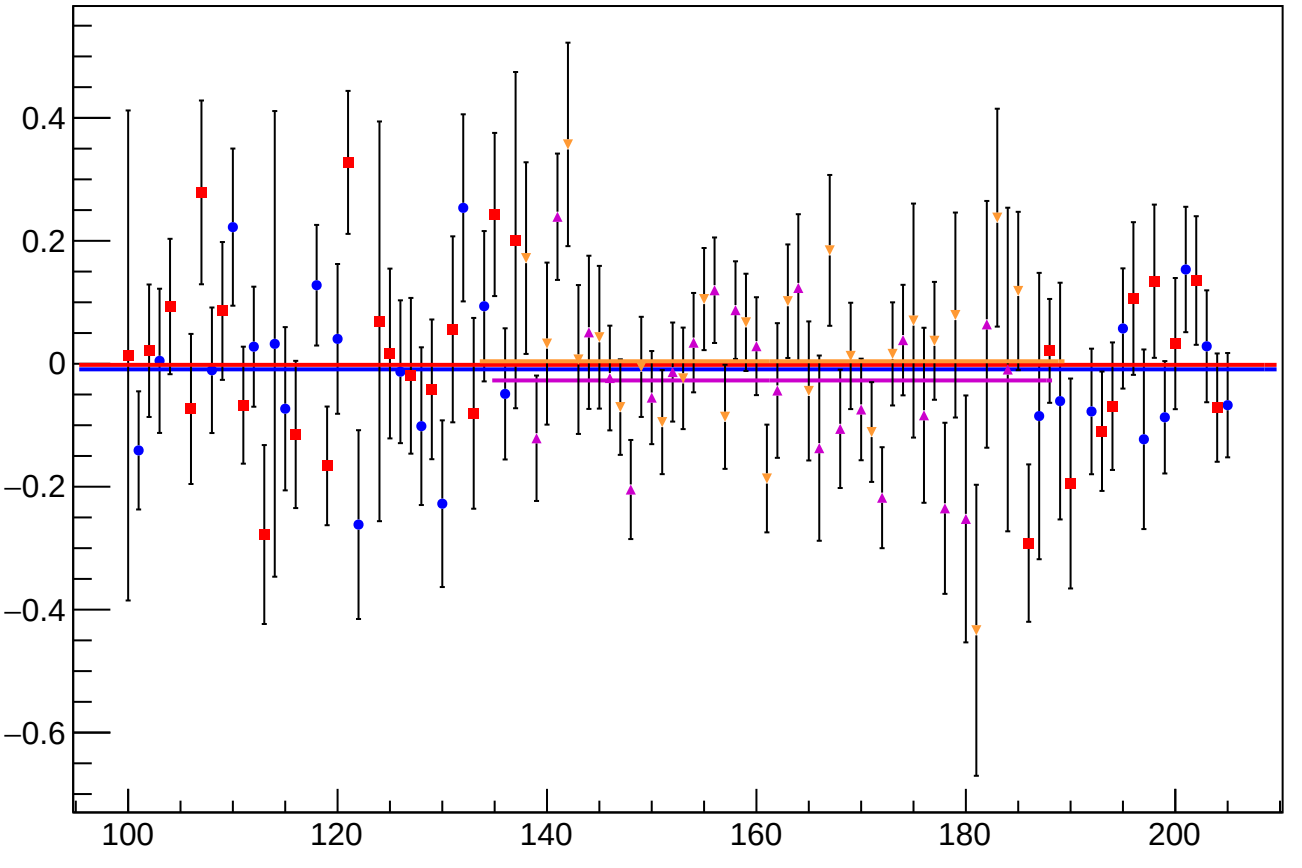
Left: 0.000+/-0.000 χ^2/NDF: 6833582.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14857466.2/53

In: 0.000+/-0.000 χ^2/NDF:12717843.1/47

Out: 0.000+/-0.000 χ^2/NDF:14034727.0/53

All: 0.000+/-0.000 χ^2/NDF: 26843381.6/101



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.022 χ^2/NDF: 38.2/28

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

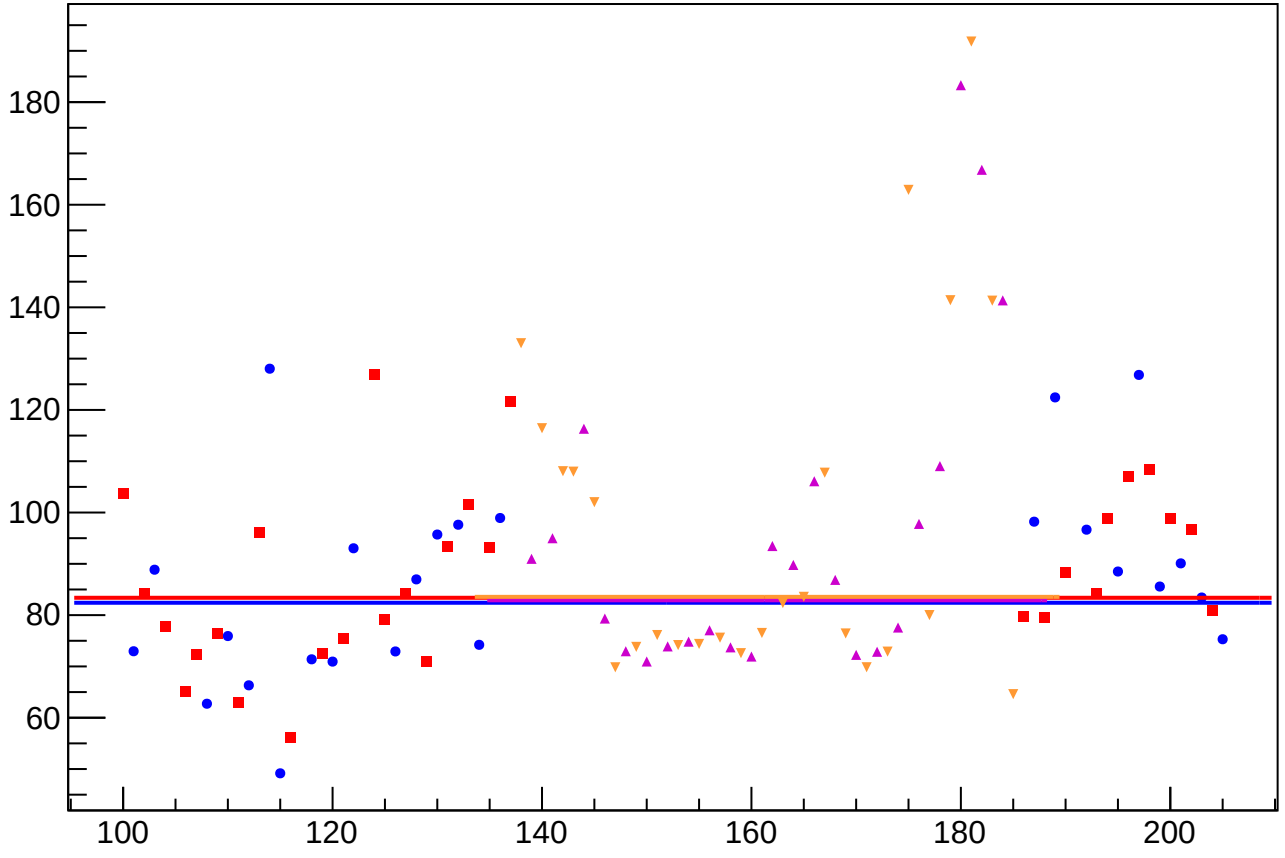
Right: -0.005+/-0.016 χ^2/NDF: 61.2/53

In: -0.019+/-0.015 χ^2/NDF:55.2/47

Out: 0.001+/-0.015 χ^2/NDF:66.5/53

All: -0.009+/-0.011 χ^2/NDF: 122.6/101

asym_usr_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 82.412+/-0.016 χ^2/NDF: 833280.5/24

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.383+/-0.016 χ^2/NDF: 746033.7/28

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

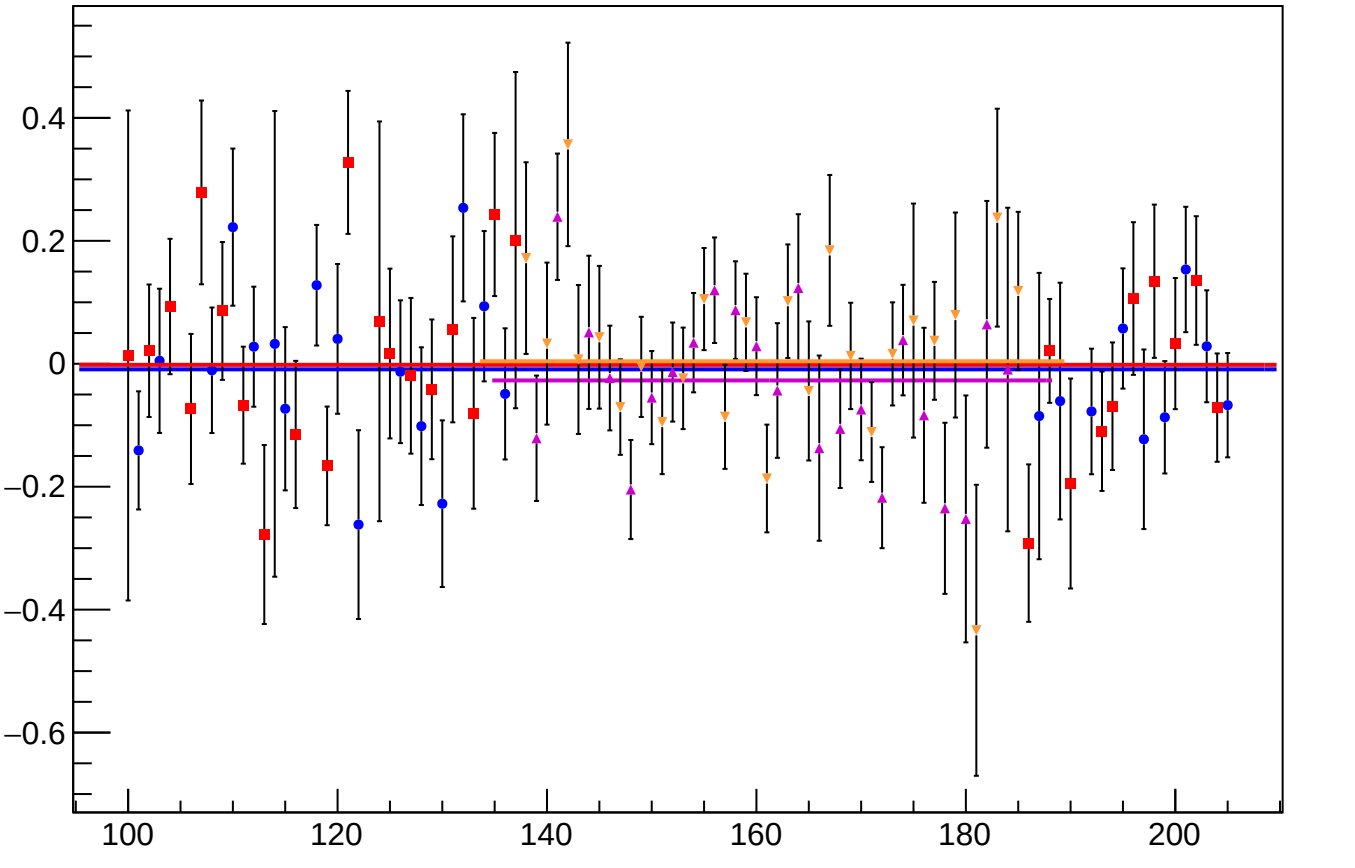
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 82.913+/-0.011 χ^2/NDF: 1581142.4/53

In: 82.679+/-0.011 χ^2/NDF:2406763.6/47

Out: 83.482+/-0.011 χ^2/NDF:2919037.1/53

All: 83.089+/-0.008 χ^2/NDF: 5328598.6/101



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.022 χ^2/NDF: 38.2/28

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

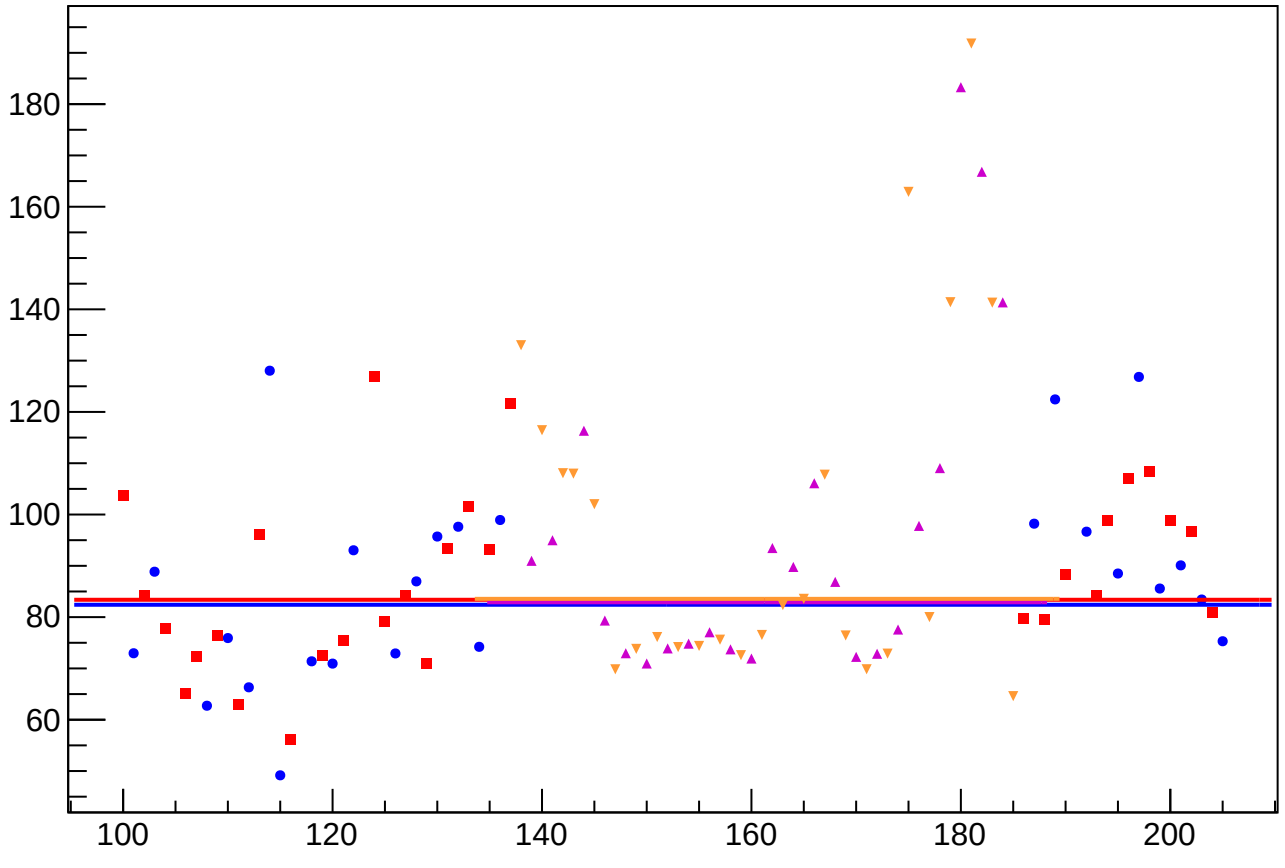
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.005+/-0.016 χ^2/NDF: 61.2/53

In: -0.019+/-0.015 χ^2/NDF:55.2/47

Out: 0.001+/-0.015 χ^2/NDF:66.5/53

All: -0.009+/-0.011 χ^2/NDF: 122.6/101



Right In: 82.412+/-0.016 χ^2/NDF: 833280.5/24

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 83.383+/-0.016 χ^2/NDF: 746033.7/28

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

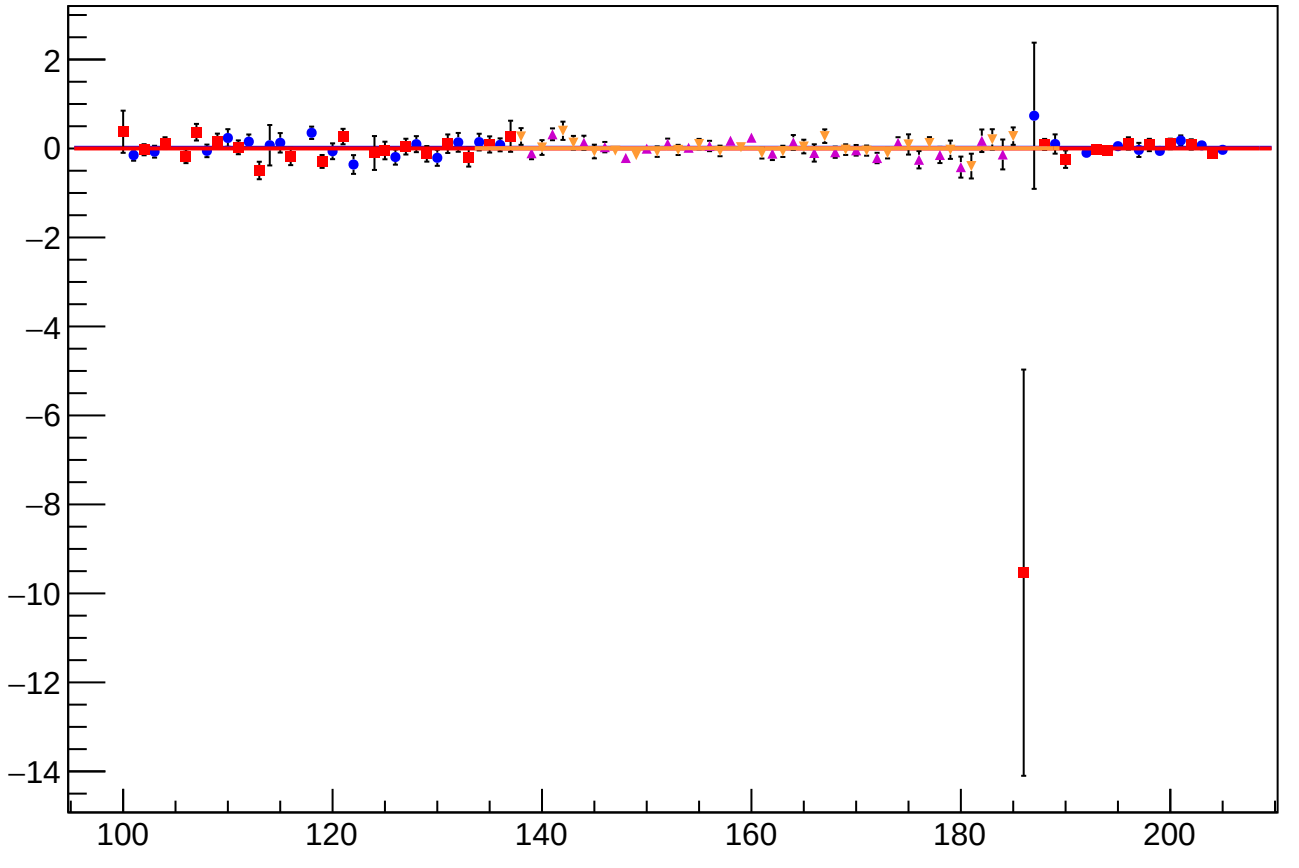
Left: 83.231+/-0.010 χ^2/NDF: 3747022.5/47

Right: 82.913+/-0.011 χ^2/NDF: 1581142.4/53

In: 82.679+/-0.011 χ^2/NDF:2406763.6/47

Out: 83.482+/-0.011 χ^2/NDF:2919037.1/53

All: 83.089+/-0.008 χ^2/NDF: 5328598.6/101



Right In: 0.016+/-0.030 χ^2/NDF: 22.6/24

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.001+/-0.029 χ^2/NDF: 33.9/28

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

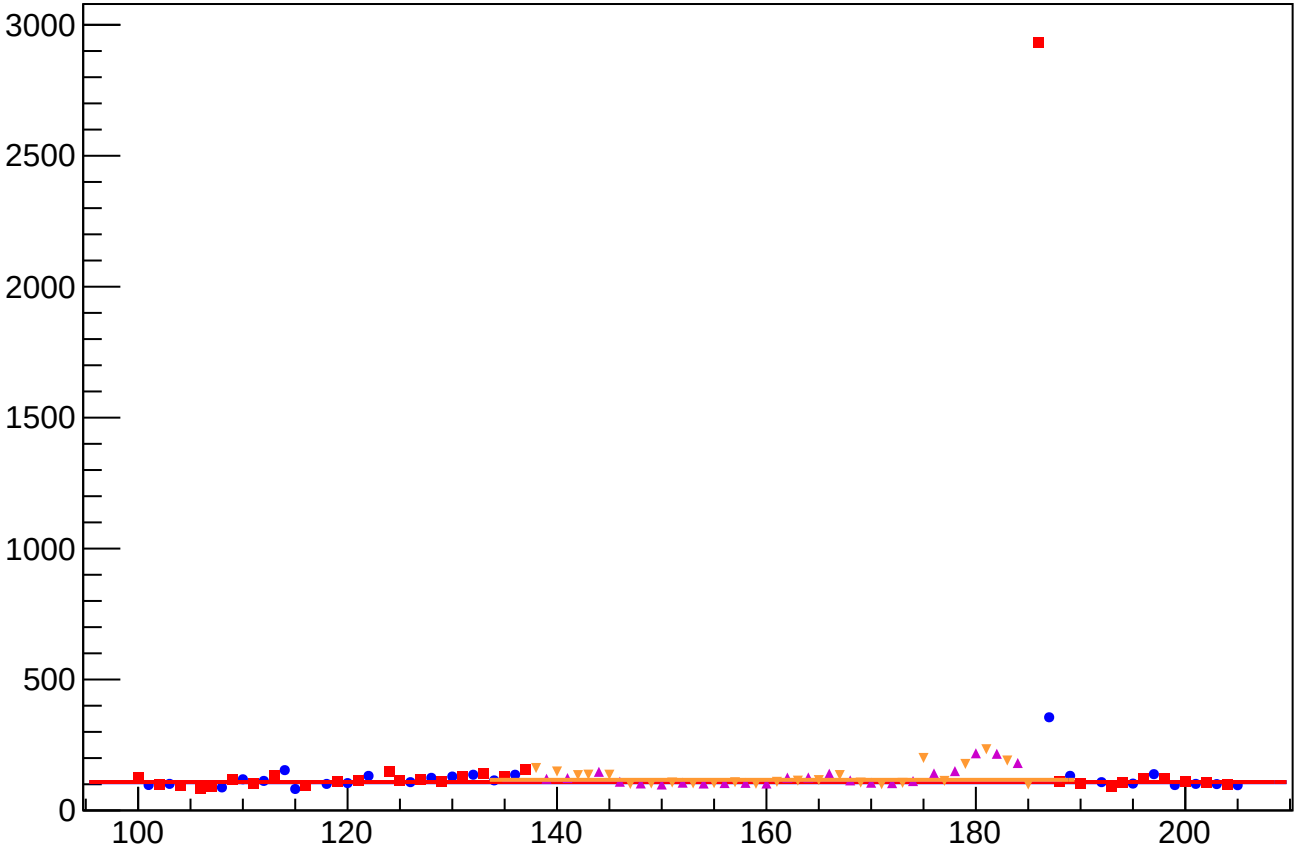
Right: 0.008+/-0.021 χ^2/NDF: 56.7/53

In: 0.013+/-0.020 χ^2/NDF:54.0/47

Out: 0.003+/-0.020 χ^2/NDF:55.2/53

All: 0.008+/-0.014 χ^2/NDF: 109.3/101

asym_usr_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 107.780+/-0.021 χ^2/NDF: 519879.4/24

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 108.587+/-0.021 χ^2/NDF: 1196572.0/28

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

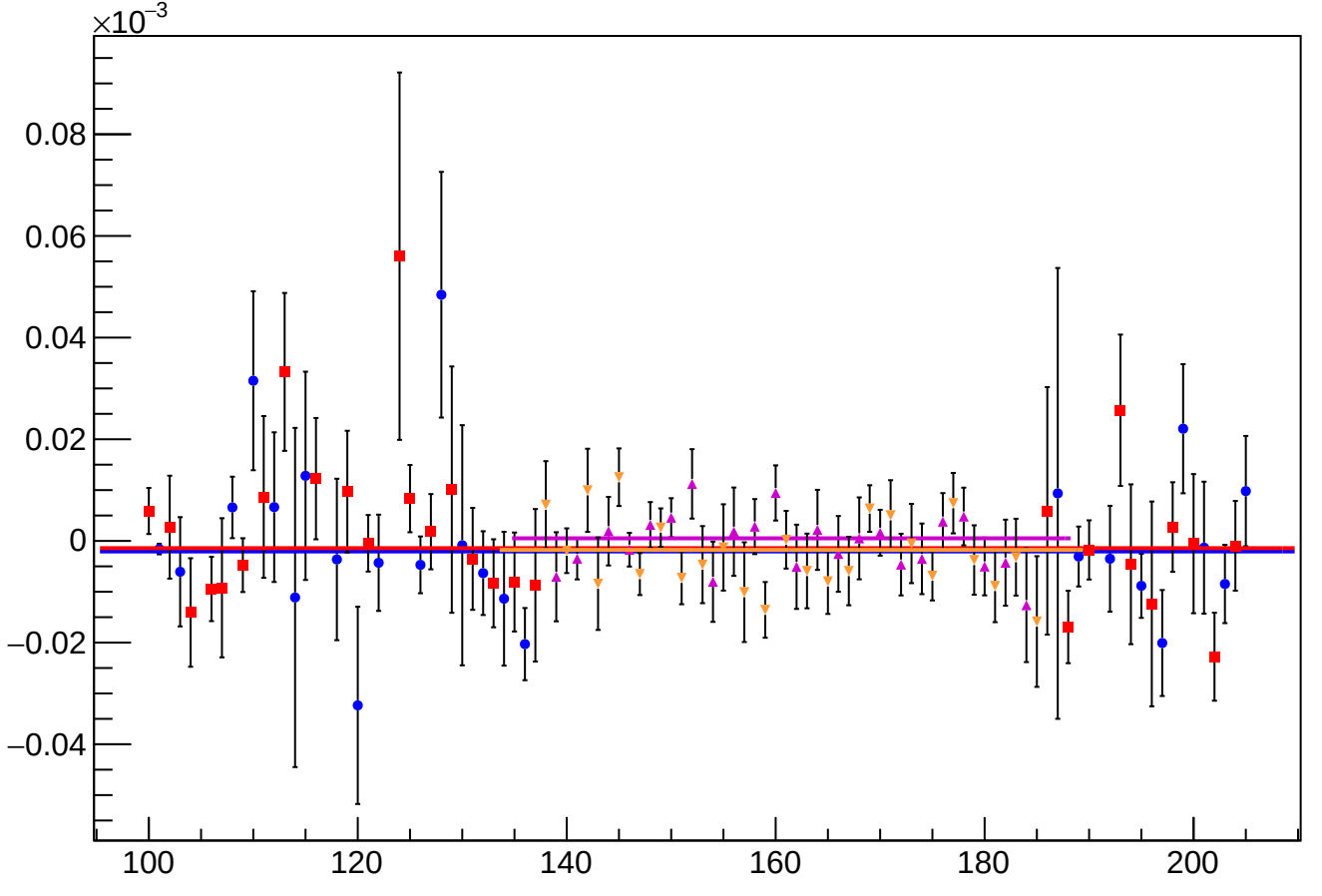
Left: 116.376+/-0.014 χ^2/NDF: 2829653.1/47

Right: 108.194+/-0.015 χ^2/NDF: 1717201.8/53

In: 112.055+/-0.014 χ^2/NDF:1828708.4/47

Out: 112.921+/-0.014 χ^2/NDF:2878697.2/53

All: 112.497+/-0.010 χ^2/NDF: 4709228.1/101



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.4/28

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

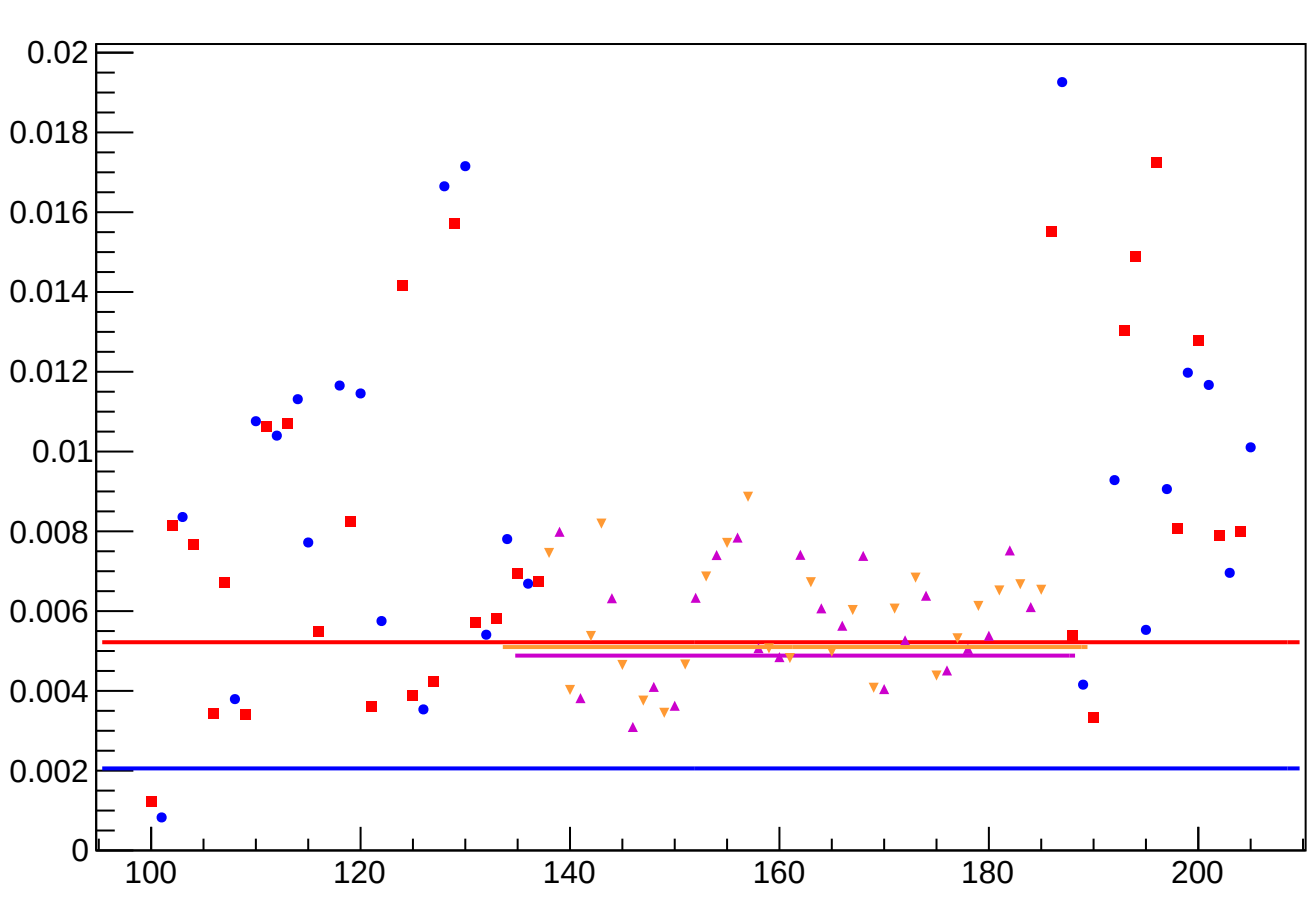
Left: -0.000+/-0.000 χ^2/NDF: 48.4/47

Right: -0.000+/-0.000 χ^2/NDF: 66.7/53

In: -0.000+/-0.000 χ^2/NDF:49.7/47

Out: -0.000+/-0.000 χ^2/NDF:66.5/53

All: -0.000+/-0.000 χ^2/NDF: 116.4/101



Right In: 0.002+/-0.000 χ^2/NDF: 17063104.0/24

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7535386.7/28

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

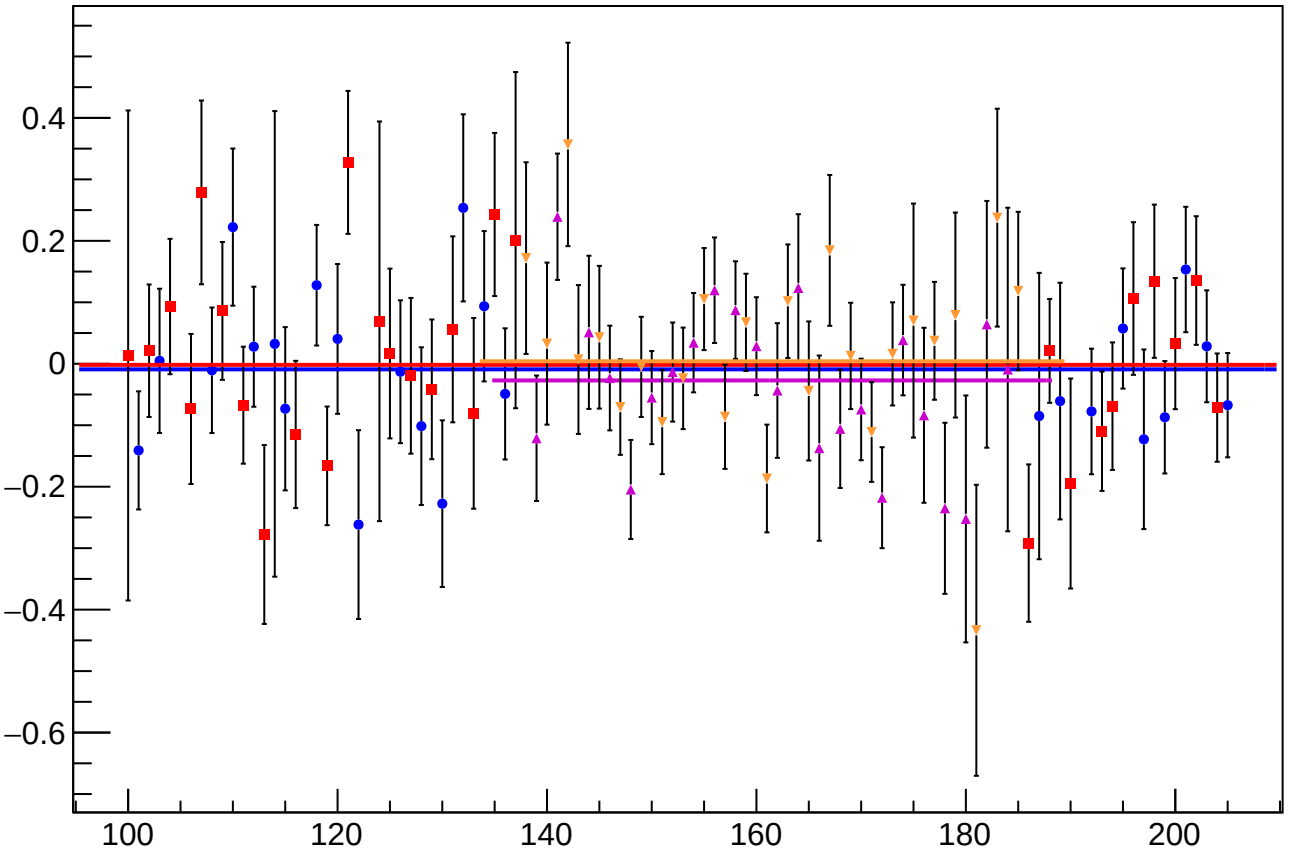
Left: 0.005+/-0.000 χ^2/NDF: 5135847.3/47

Right: 0.003+/-0.000 χ^2/NDF: 30288799.5/53

In: 0.003+/-0.000 χ^2/NDF:26787228.6/47

Out: 0.005+/-0.000 χ^2/NDF:9921131.0/53

All: 0.004+/-0.000 χ^2/NDF: 42242942.2/101



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.022 χ^2/NDF: 38.2/28

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

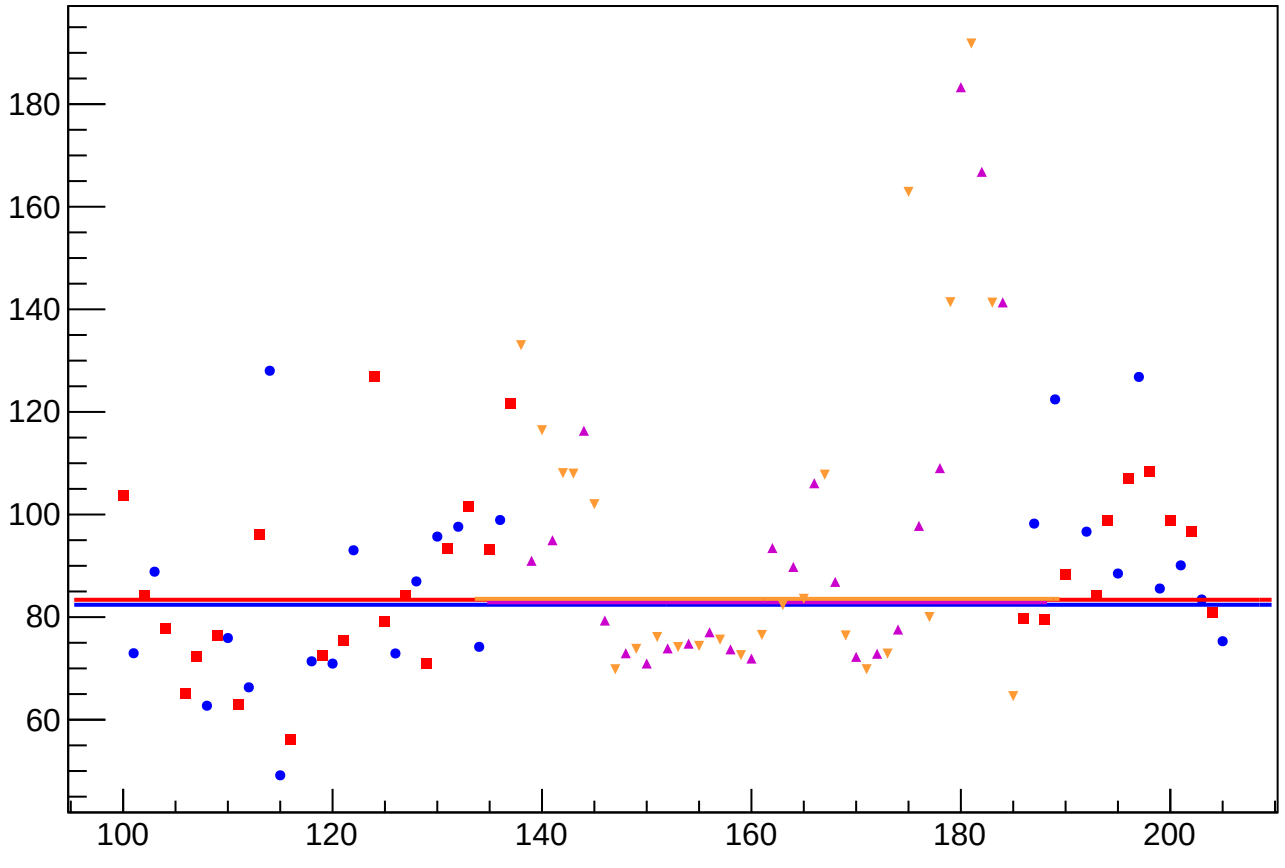
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.005+/-0.016 χ^2/NDF: 61.2/53

In: -0.019+/-0.015 χ^2/NDF:55.2/47

Out: 0.001+/-0.015 χ^2/NDF:66.5/53

All: -0.009+/-0.011 χ^2/NDF: 122.6/101



Right In: 82.411+/-0.016 χ^2/NDF: 833294.5/24

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.382+/-0.016 χ^2/NDF: 746031.4/28

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

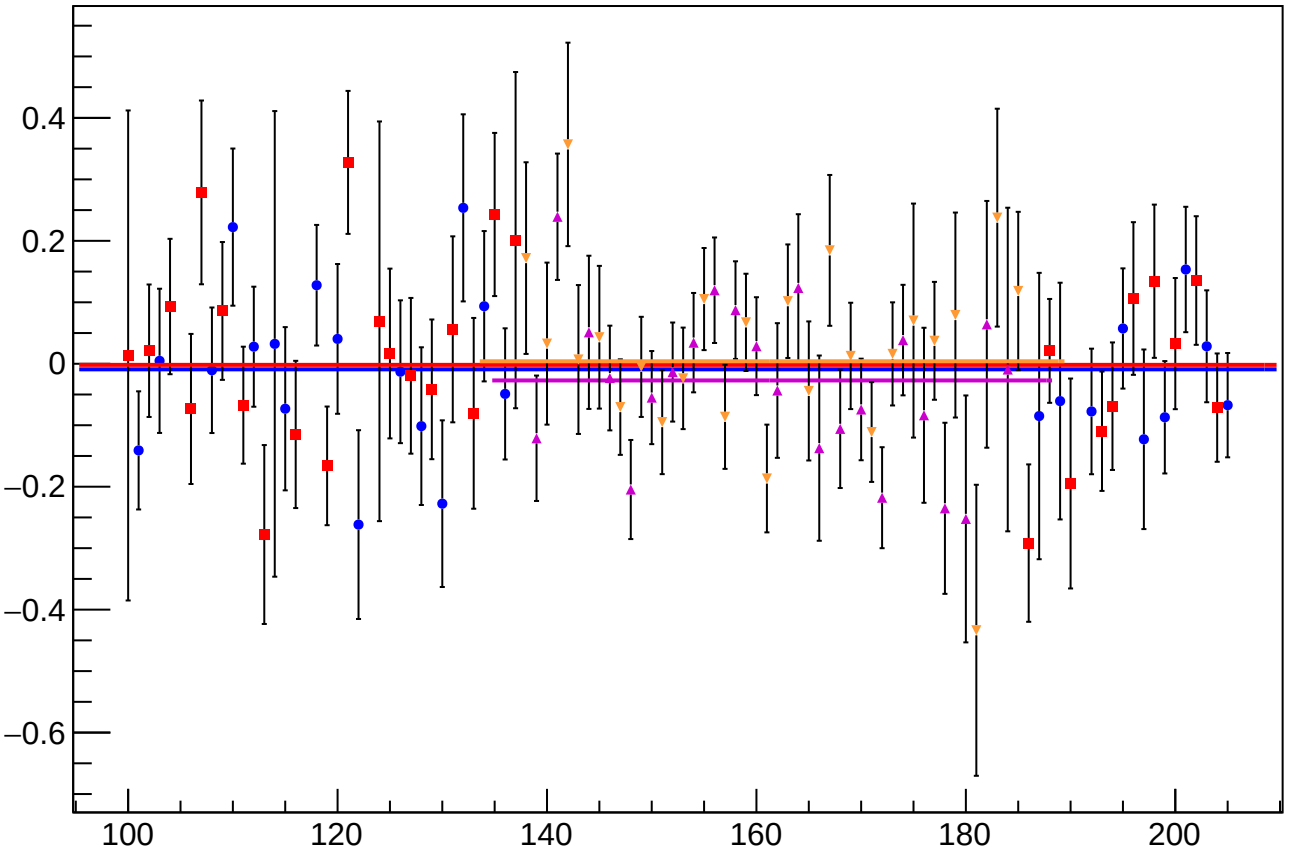
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.913+/-0.011 χ^2/NDF: 1581152.8/53

In: 82.679+/-0.011 χ^2/NDF:2406757.9/47

Out: 83.482+/-0.011 χ^2/NDF:2919025.8/53

All: 83.089+/-0.008 χ^2/NDF: 5328581.1/101



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.002+/-0.022 χ^2/NDF: 38.2/28

Left In: -0.027+/-0.021 χ^2/NDF:32.0/22

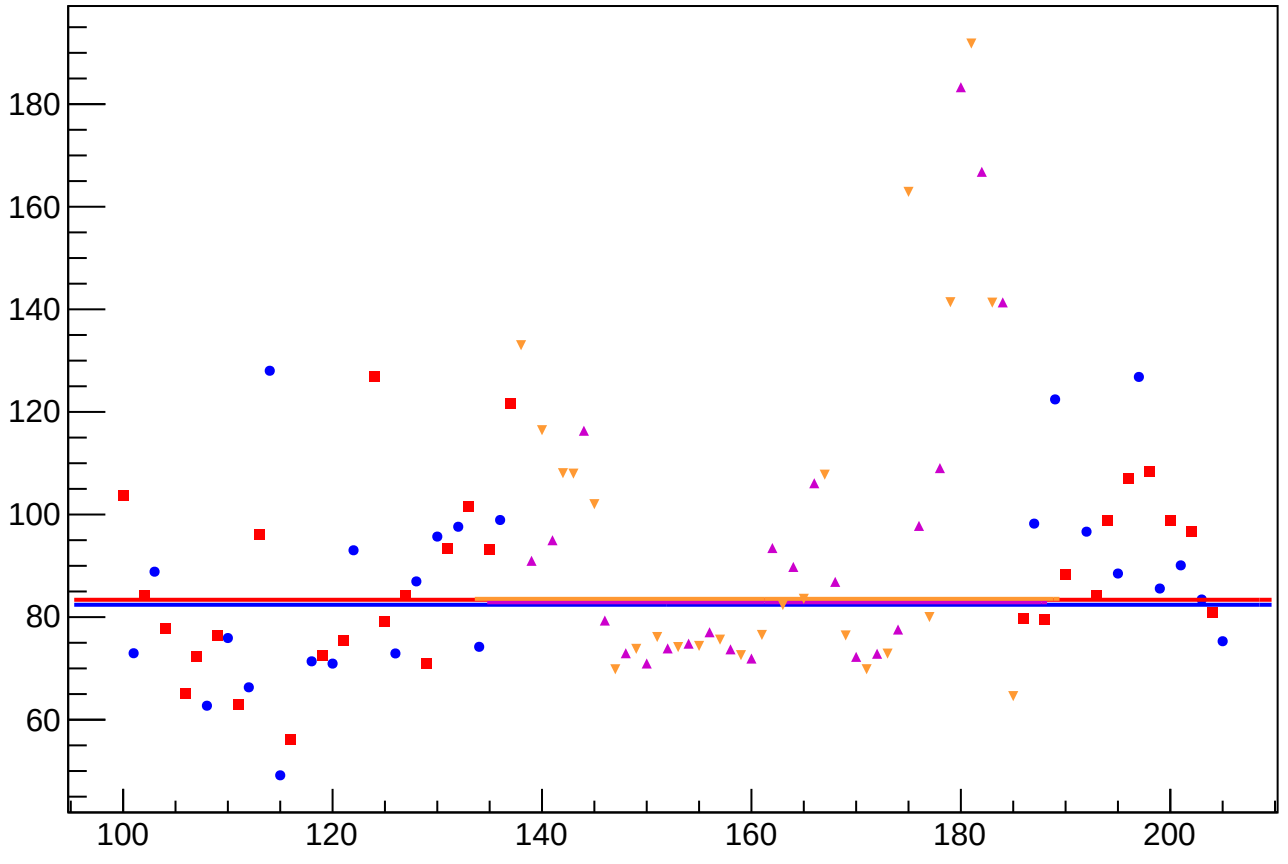
Left: -0.011+/-0.014 χ^2/NDF: 61.3/47

Right: -0.005+/-0.016 χ^2/NDF: 61.2/53

In: -0.019+/-0.015 χ^2/NDF:55.2/47

Out: 0.001+/-0.015 χ^2/NDF:66.5/53

All: -0.009+/-0.011 χ^2/NDF: 122.6/101



Right In: 82.411+/-0.016 χ^2/NDF: 833294.5/24

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 83.382+/-0.016 χ^2/NDF: 746031.4/28

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

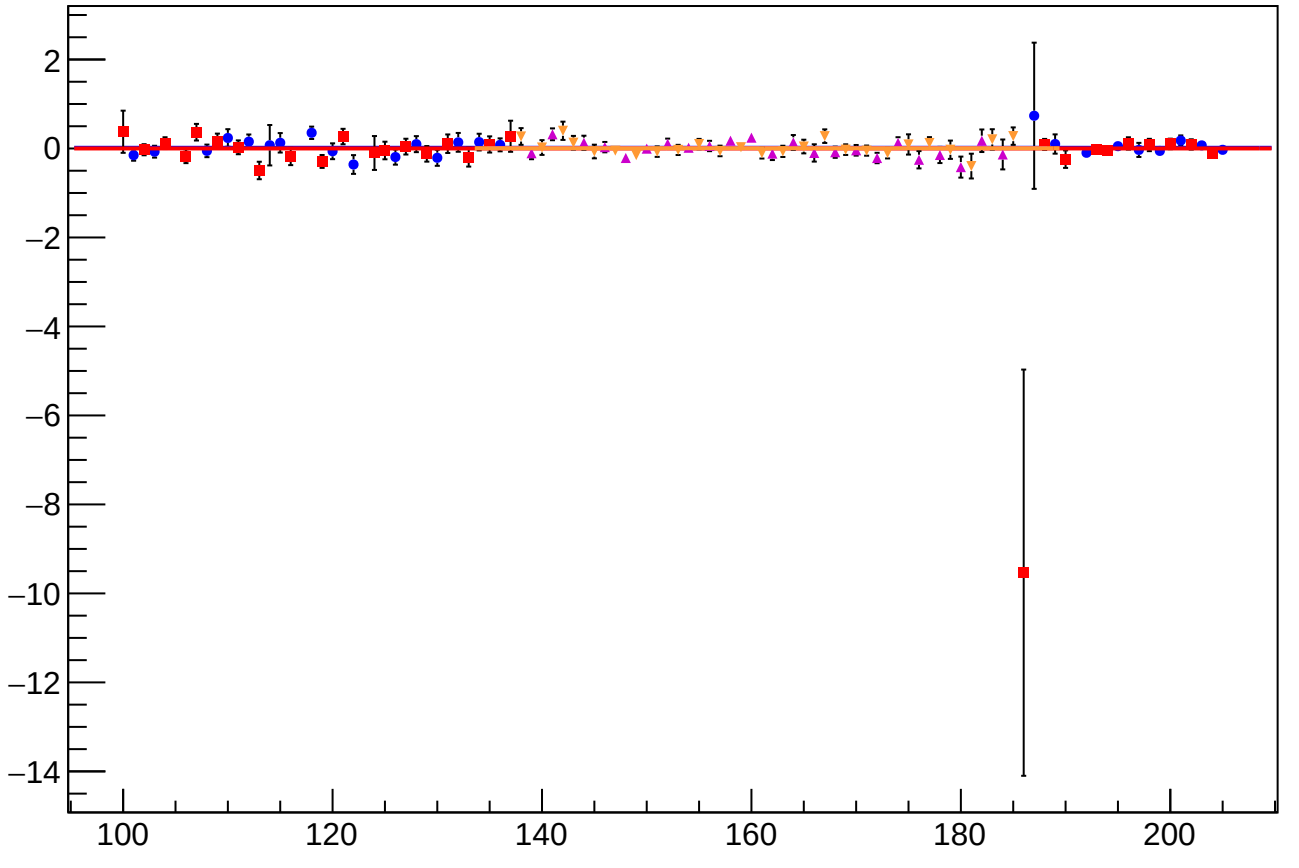
Left: 83.232+/-0.010 χ^2/NDF: 3746990.7/47

Right: 82.913+/-0.011 χ^2/NDF: 1581152.8/53

In: 82.679+/-0.011 χ^2/NDF:2406757.9/47

Out: 83.482+/-0.011 χ^2/NDF:2919025.8/53

All: 83.089+/-0.008 χ^2/NDF: 5328581.1/101



Right In: 0.016+/-0.030 χ^2/NDF: 22.6/24

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.001+/-0.029 χ^2/NDF: 33.9/28

Left In: 0.010+/-0.028 χ^2/NDF:31.3/22

Left: 0.008+/-0.020 χ^2/NDF: 52.6/47

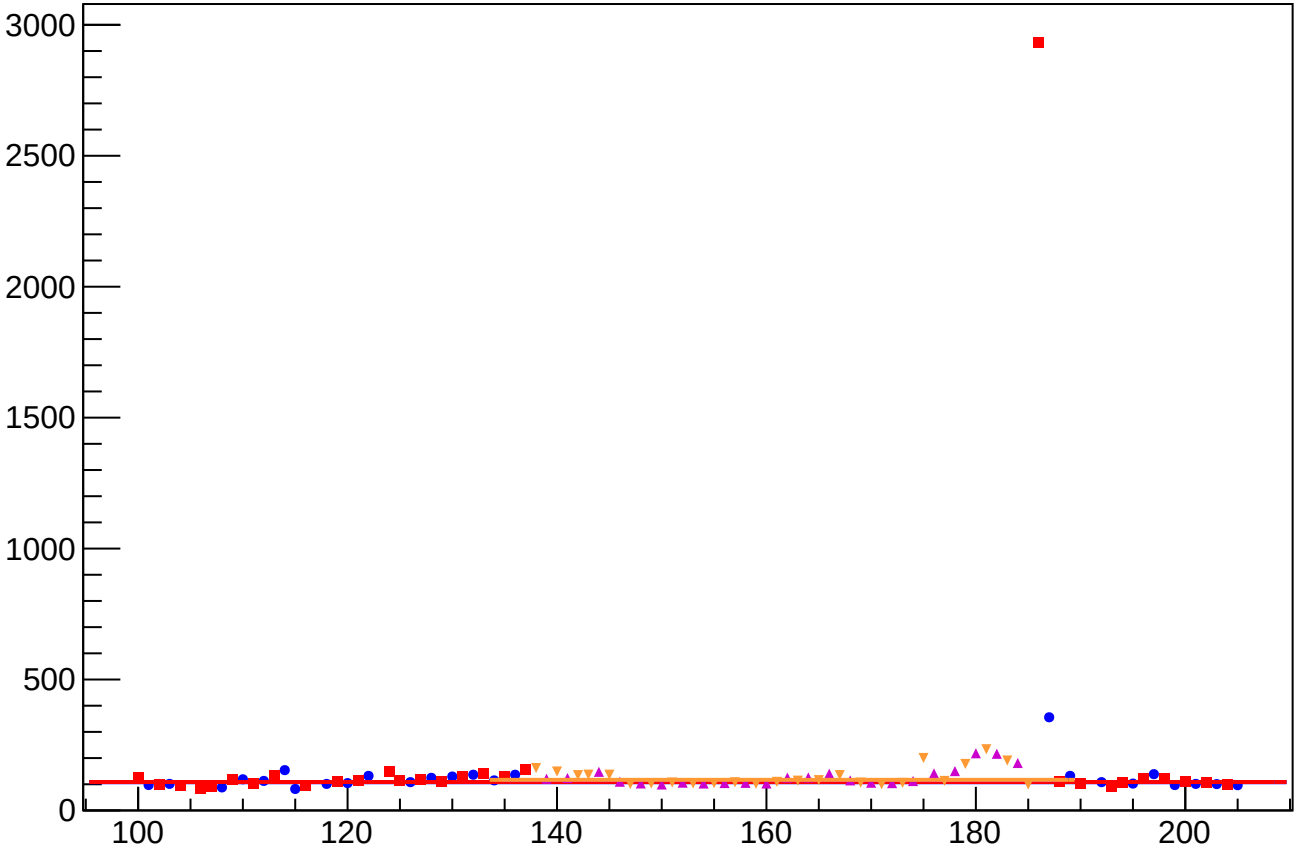
Right: 0.008+/-0.021 χ^2/NDF: 56.7/53

In: 0.013+/-0.020 χ^2/NDF:54.0/47

Out: 0.003+/-0.020 χ^2/NDF:55.2/53

All: 0.008+/-0.014 χ^2/NDF: 109.3/101

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug, Sign Corrected



Right In: 107.779+/-0.021 χ^2/NDF: 519832.1/24

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

Right Out: 108.586+/-0.021 χ^2/NDF: 1196525.8/28

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

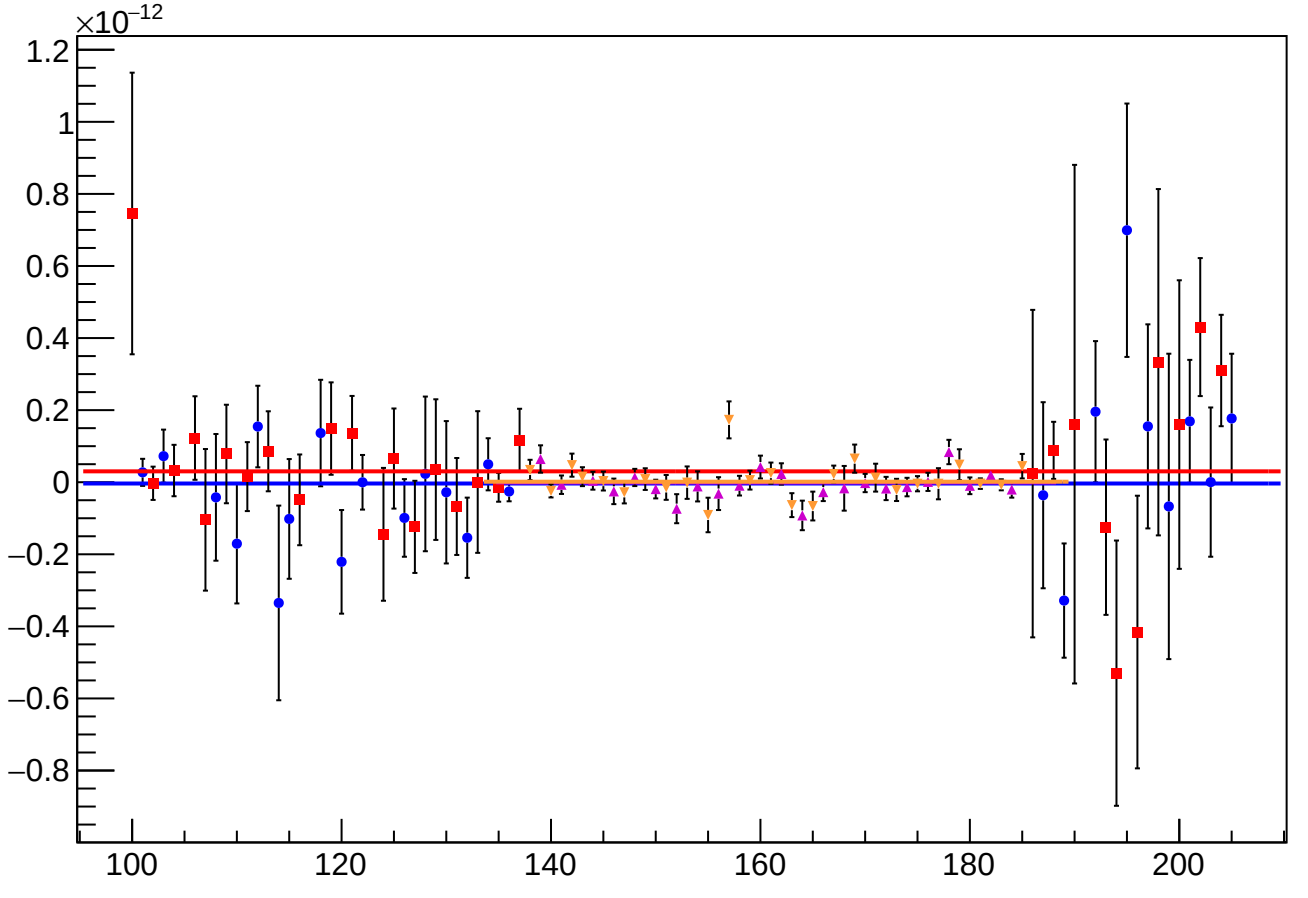
Left: 116.377+/-0.014 χ^2/NDF: 2829636.7/47

Right: 108.194+/-0.015 χ^2/NDF: 1717108.1/53

In: 112.055+/-0.014 χ^2/NDF:1828663.8/47

Out: 112.921+/-0.014 χ^2/NDF:2878663.9/53

All: 112.497+/-0.010 χ^2/NDF: 4709150.1/101



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/28

Left In: -0.000+/-0.000 χ^2/NDF:26.7/22

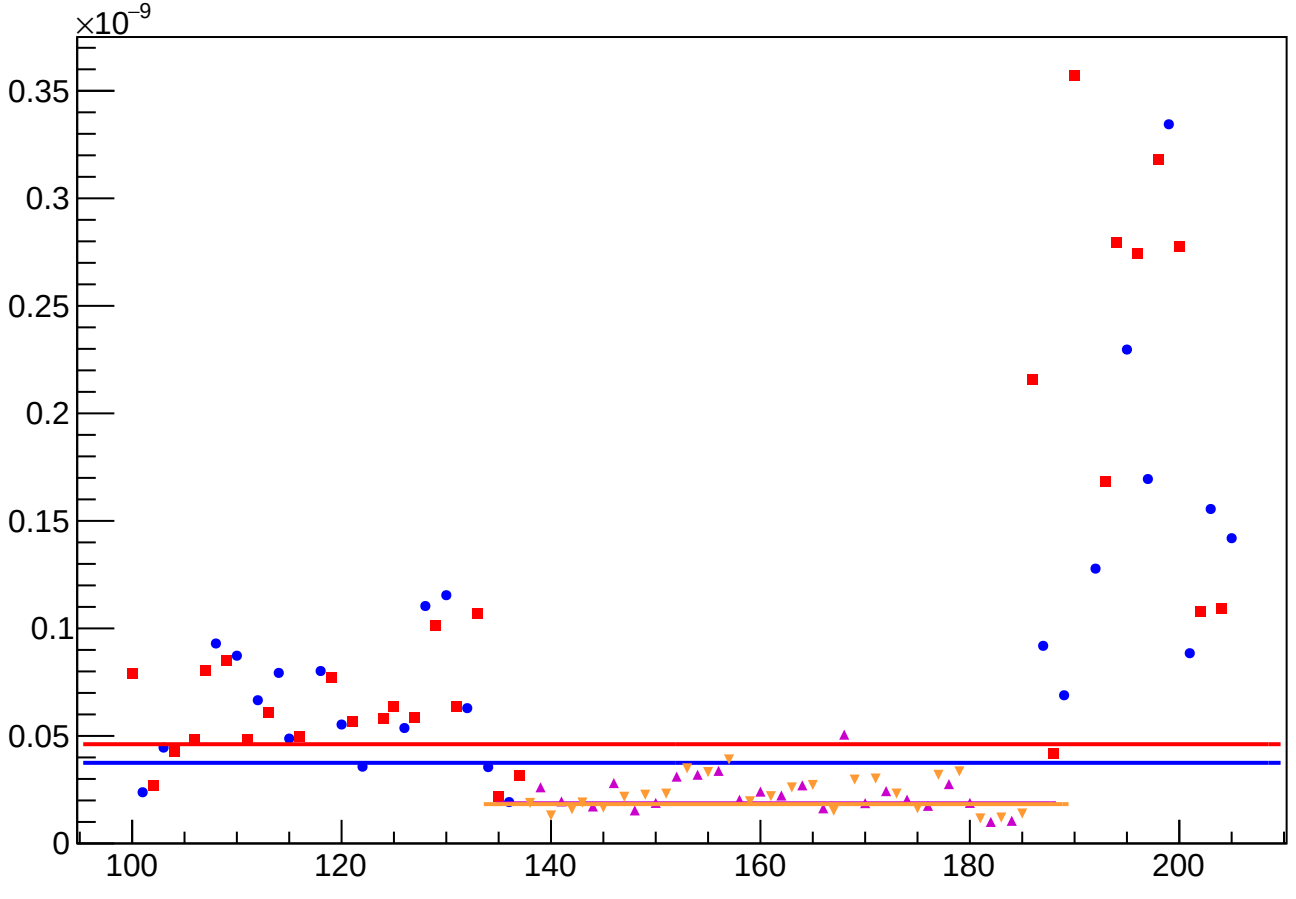
Left: 0.000+/-0.000 χ^2/NDF: 63.4/47

Right: 0.000+/-0.000 χ^2/NDF: 52.6/53

In: -0.000+/-0.000 χ^2/NDF:52.0/47

Out: 0.000+/-0.000 χ^2/NDF:64.2/53

All: 0.000+/-0.000 χ^2/NDF: 116.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 6757114.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6566649.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

Left: 0.000+/-0.000 χ^2/NDF: 5943205.7/47

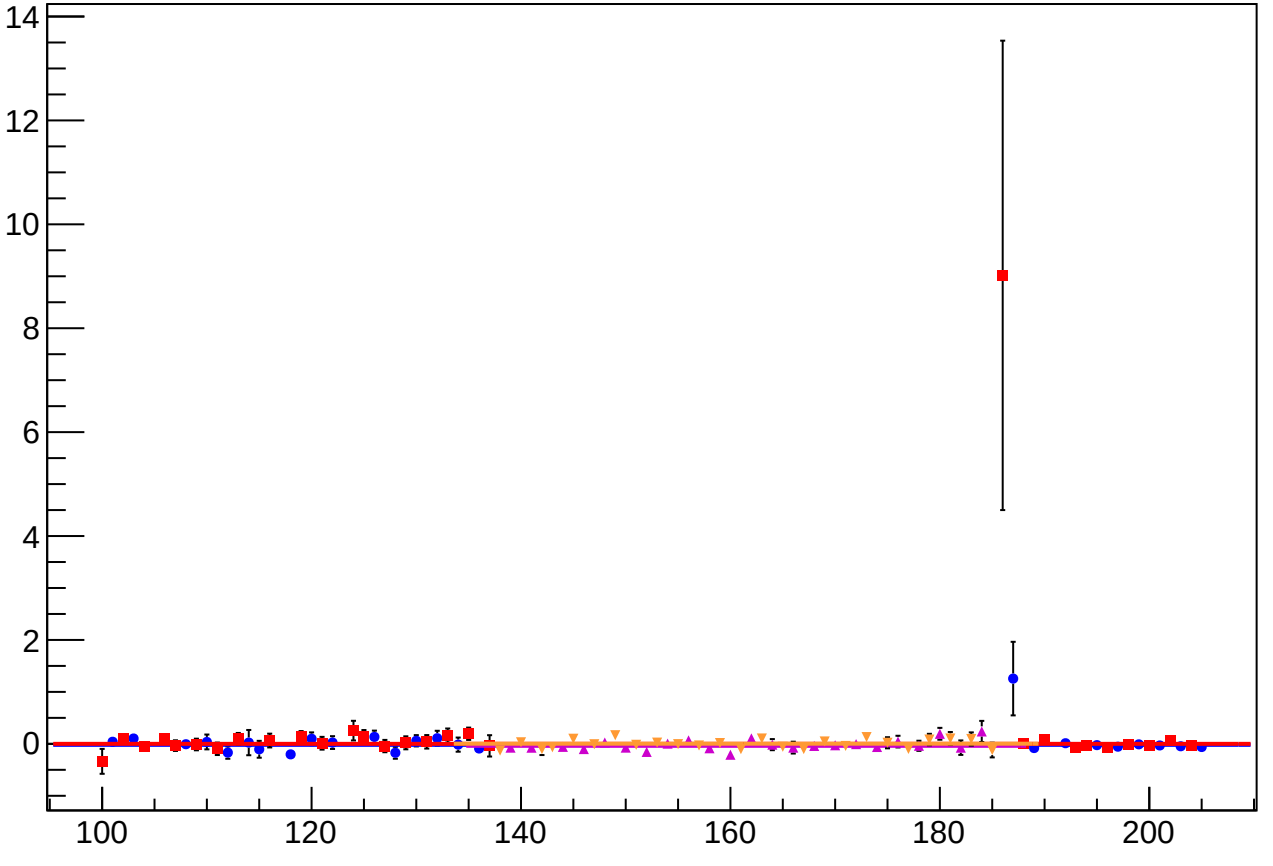
Right: 0.000+/-0.000 χ^2/NDF: 13538393.5/53

In: 0.000+/-0.000 χ^2/NDF:11784281.0/47

Out: 0.000+/-0.000 χ^2/NDF:13237715.6/53

All: 0.000+/-0.000 χ^2/NDF: 25024575.8/101

asym_usr_overload_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.014 χ^2/NDF: 23.8/24

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.000+/-0.013 χ^2/NDF: 35.9/28

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

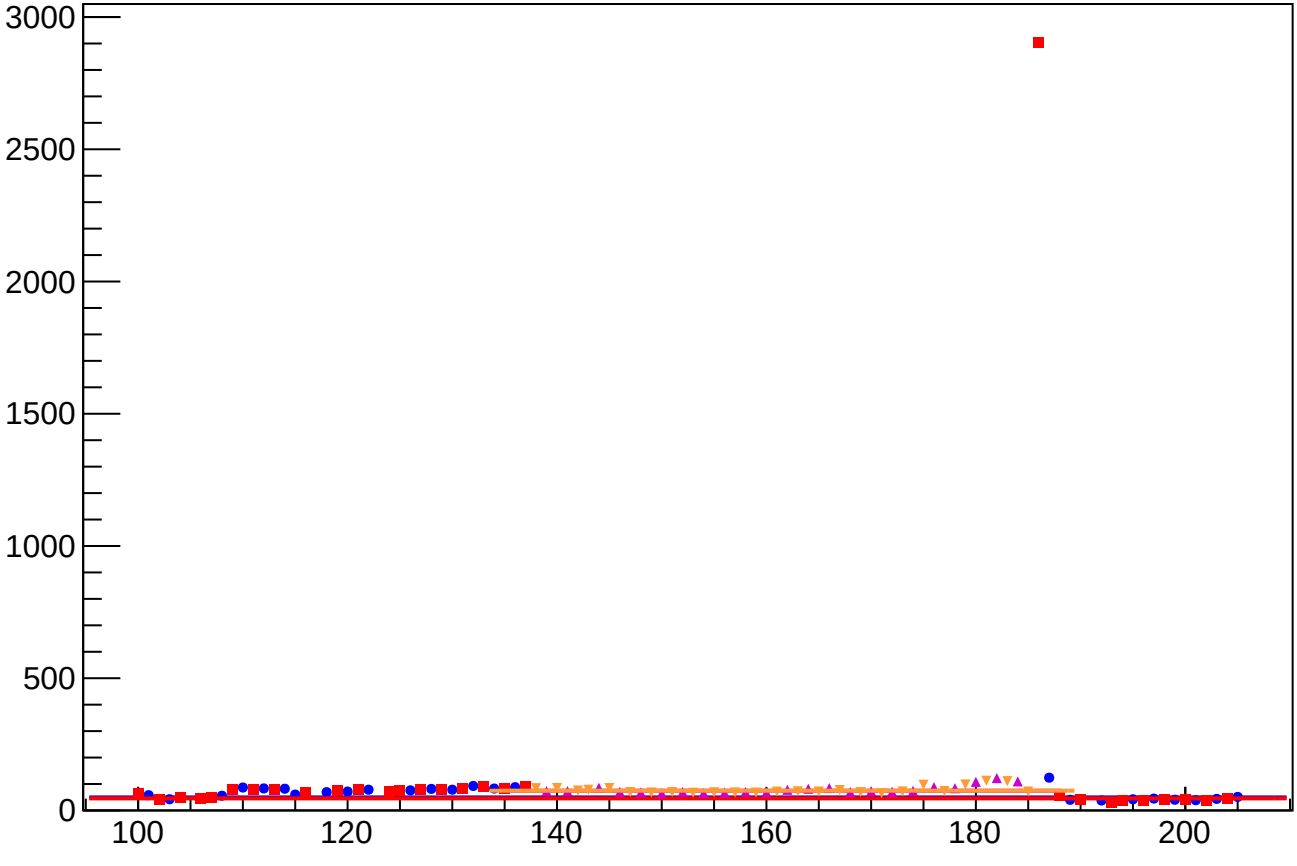
Right: -0.009+/-0.010 χ^2/NDF: 60.7/53

In: -0.026+/-0.011 χ^2/NDF:46.1/47

Out: 0.001+/-0.010 χ^2/NDF:57.4/53

All: -0.012+/-0.008 χ^2/NDF: 106.8/101

asym_usr_overload_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.263+/-0.010 χ^2/NDF: 2240574.2/24

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.628+/-0.009 χ^2/NDF: 3610984.8/28

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

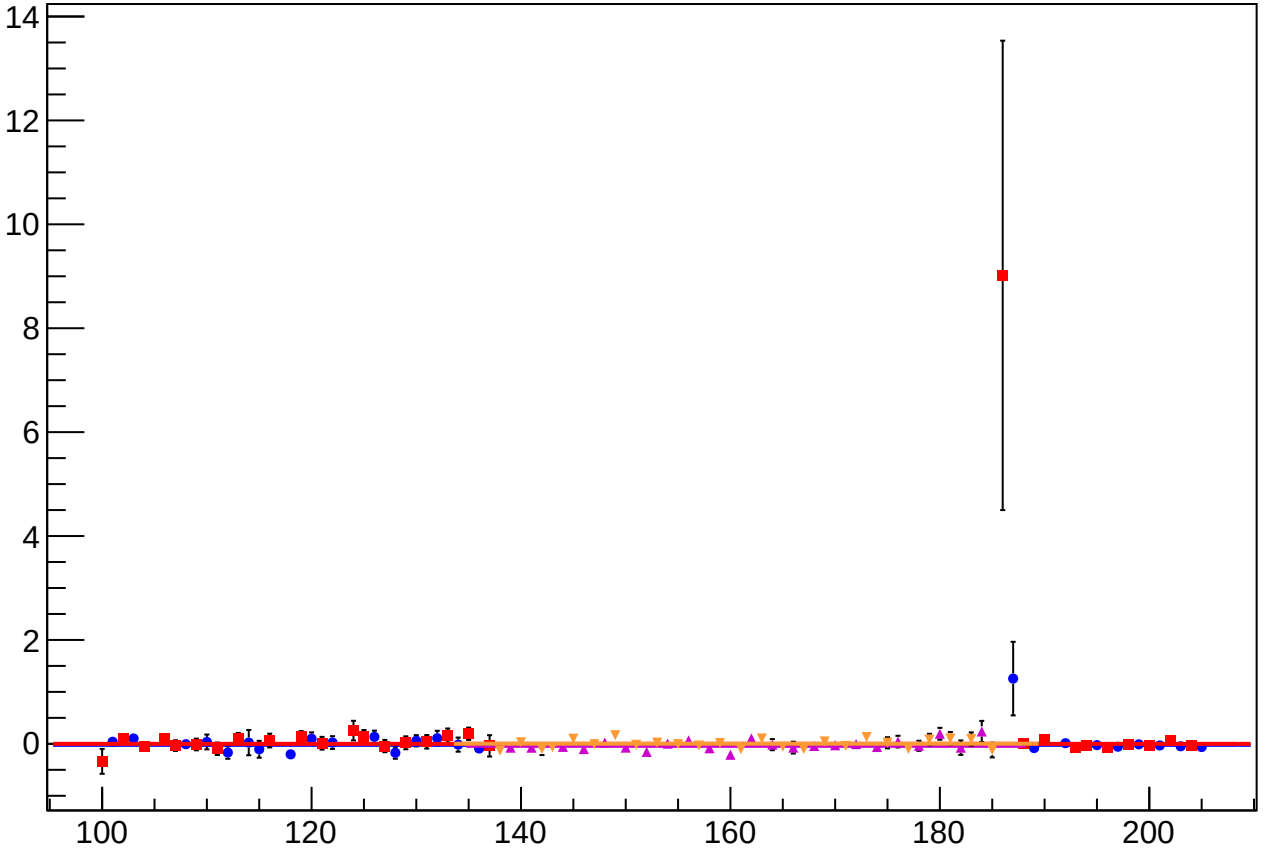
Right: 47.286+/-0.007 χ^2/NDF: 5923469.3/53

In: 59.011+/-0.008 χ^2/NDF:5426733.0/47

Out: 55.988+/-0.007 χ^2/NDF:7953662.1/53

All: 57.402+/-0.005 χ^2/NDF: 13459510.2/101

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.014 χ^2/NDF: 23.8/24

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.000+/-0.013 χ^2/NDF: 35.9/28

Left In: -0.038+/-0.018 χ^2/NDF:21.6/22

Left: -0.017+/-0.012 χ^2/NDF: 45.8/47

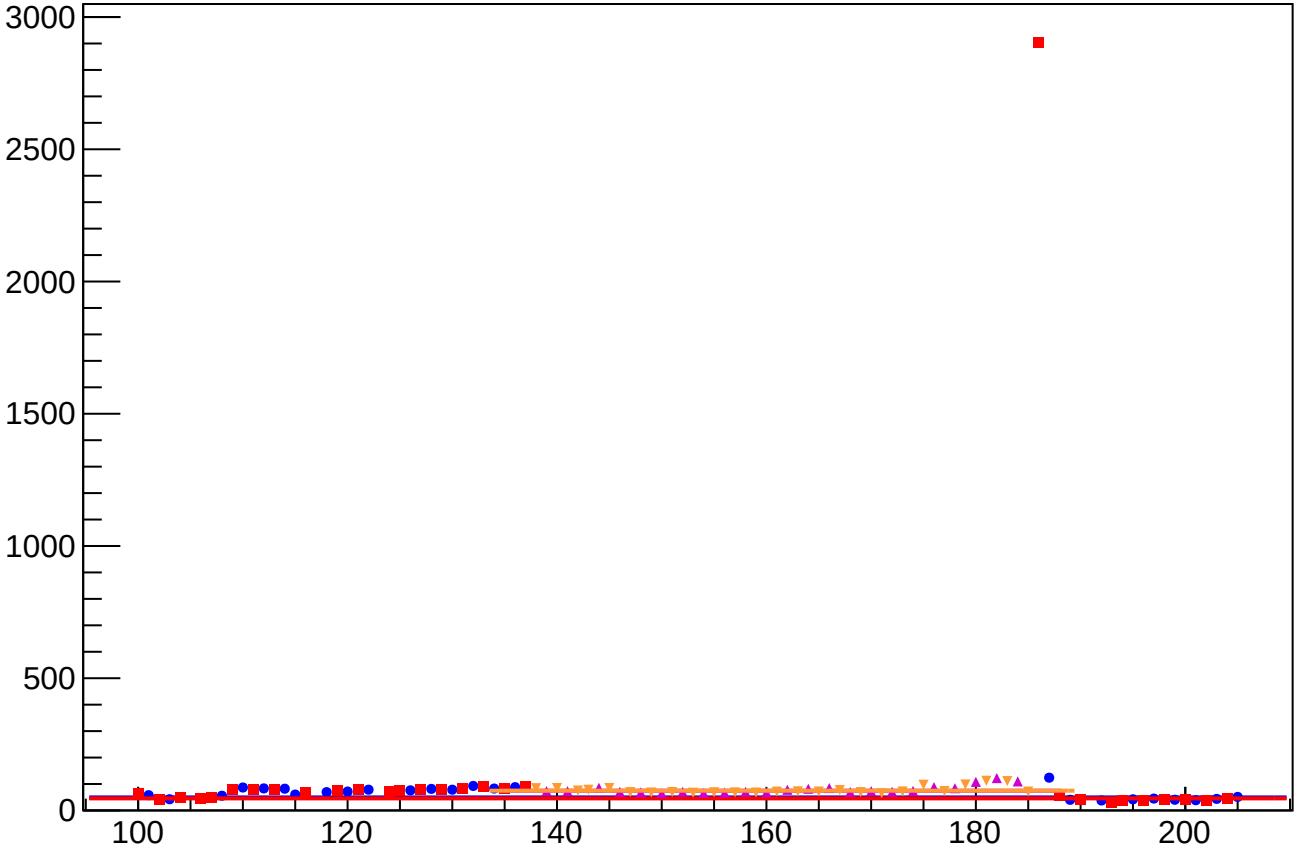
Right: -0.009+/-0.010 χ^2/NDF: 60.7/53

In: -0.026+/-0.011 χ^2/NDF:46.1/47

Out: 0.001+/-0.010 χ^2/NDF:57.4/53

All: -0.012+/-0.008 χ^2/NDF: 106.8/101

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.263+/-0.010 χ^2/NDF: 2240574.2/24

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.628+/-0.009 χ^2/NDF: 3610984.8/28

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

Left: 74.677+/-0.009 χ^2/NDF: 1458187.6/47

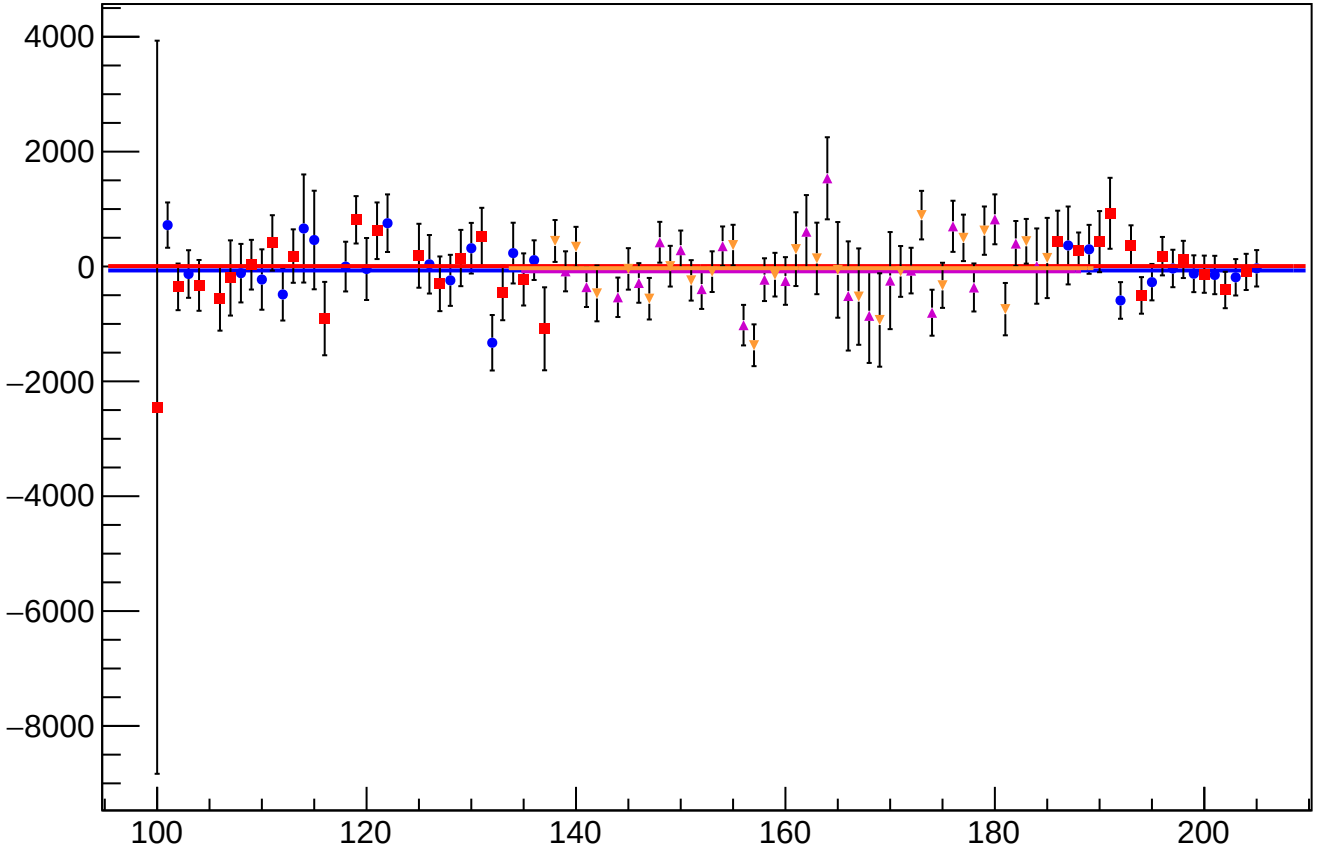
Right: 47.286+/-0.007 χ^2/NDF: 5923469.3/53

In: 59.011+/-0.008 χ^2/NDF:5426733.0/47

Out: 55.988+/-0.007 χ^2/NDF:7953662.1/53

All: 57.402+/-0.005 χ^2/NDF: 13459510.2/101

asym_dsl_mean vs Slug, Sign Corrected



Right In: -69.065+/-82.883 χ^2/NDF: 21.5/24

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: 7.039+/-80.102 χ^2/NDF: 26.3/28

Left In: -83.719+/-86.476 χ^2/NDF:35.8/22

Left: -56.550+/-61.167 χ^2/NDF: 72.6/46

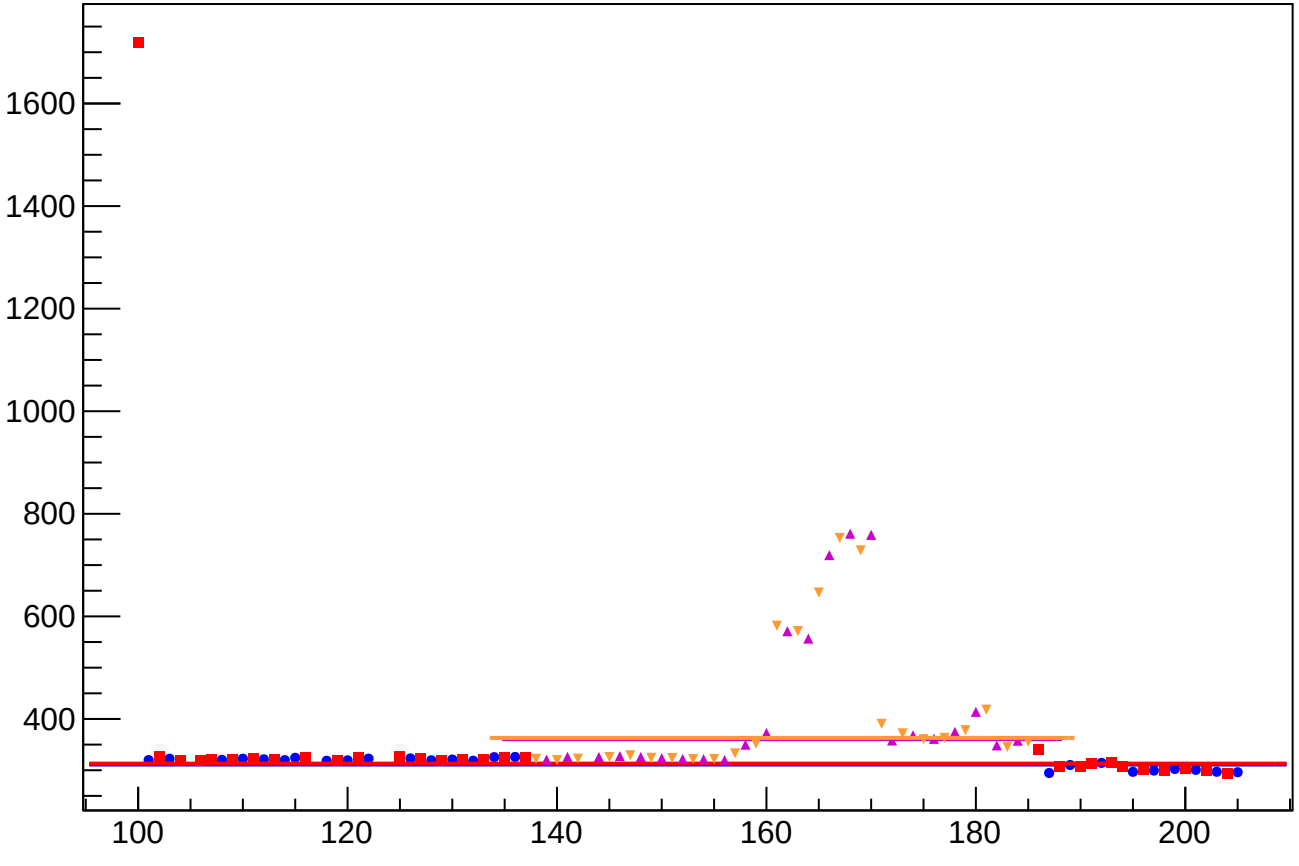
Right: -29.714+/-57.599 χ^2/NDF: 48.2/53

In: -76.081+/-59.837 χ^2/NDF:57.4/47

Out: -9.752+/-58.782 χ^2/NDF:62.9/52

All: -42.327+/-41.933 χ^2/NDF: 120.9/100

asym_dsl_rms vs Slug, Sign Corrected



Right In: 311.179+/-0.059 χ^2/NDF: 36015.4/24

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 312.904+/-0.057 χ^2/NDF: 135690.3/28

Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

Left: 361.831+/-0.043 χ^2/NDF: 3614092.1/46

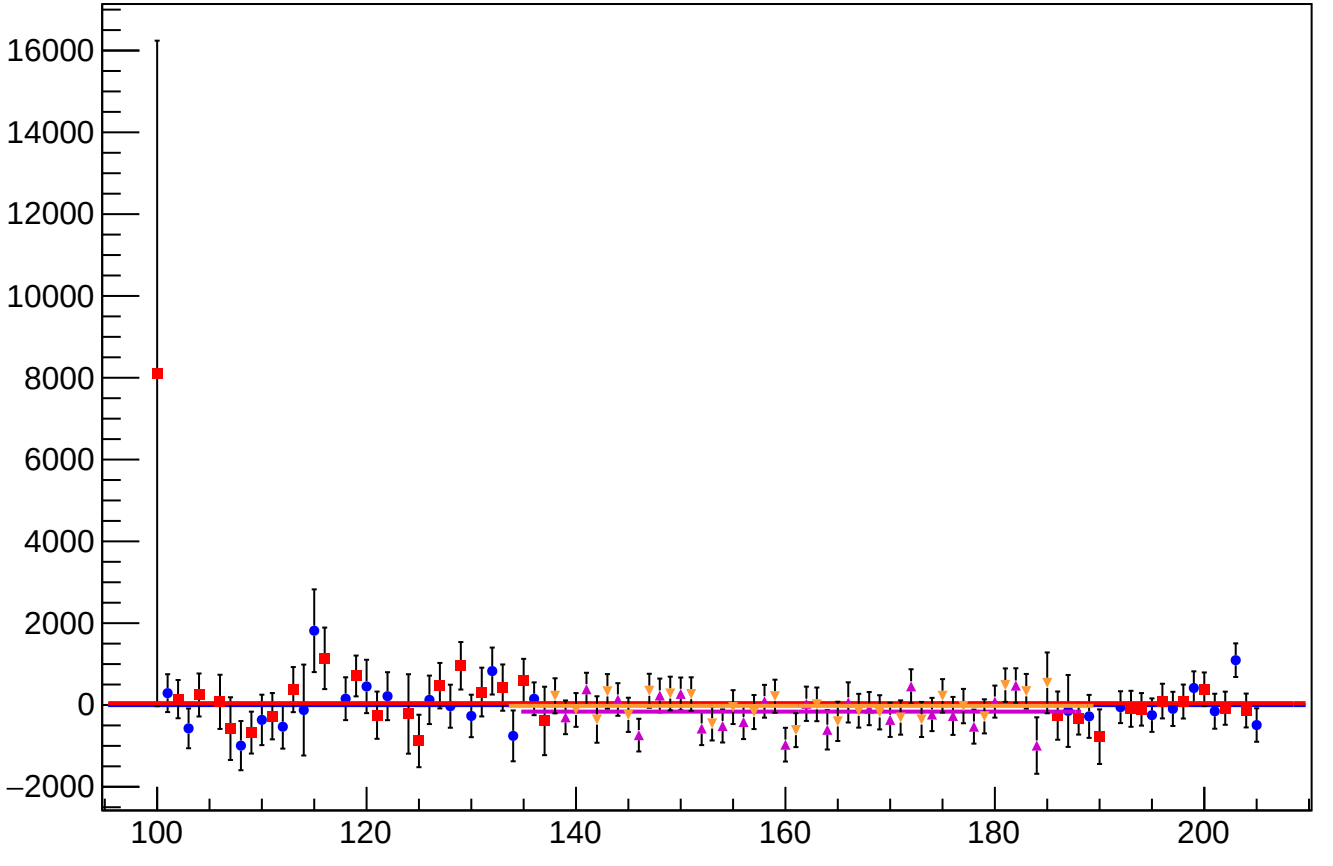
Right: 312.071+/-0.041 χ^2/NDF: 172153.4/53

In: 334.835+/-0.042 χ^2/NDF:2193968.8/47

Out: 336.059+/-0.042 χ^2/NDF:2293407.1/52

All: 335.457+/-0.030 χ^2/NDF: 4487801.8/100

asym_dsr_mean vs Slug, Sign Corrected



Right In: -3.377+/-101.484 χ^2/NDF: 24.2/24

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: 45.114+/-97.984 χ^2/NDF: 19.8/28

Left In: -162.992+/-87.991 χ^2/NDF:21.8/22

Left: -90.087+/-61.364 χ^2/NDF: 35.7/47

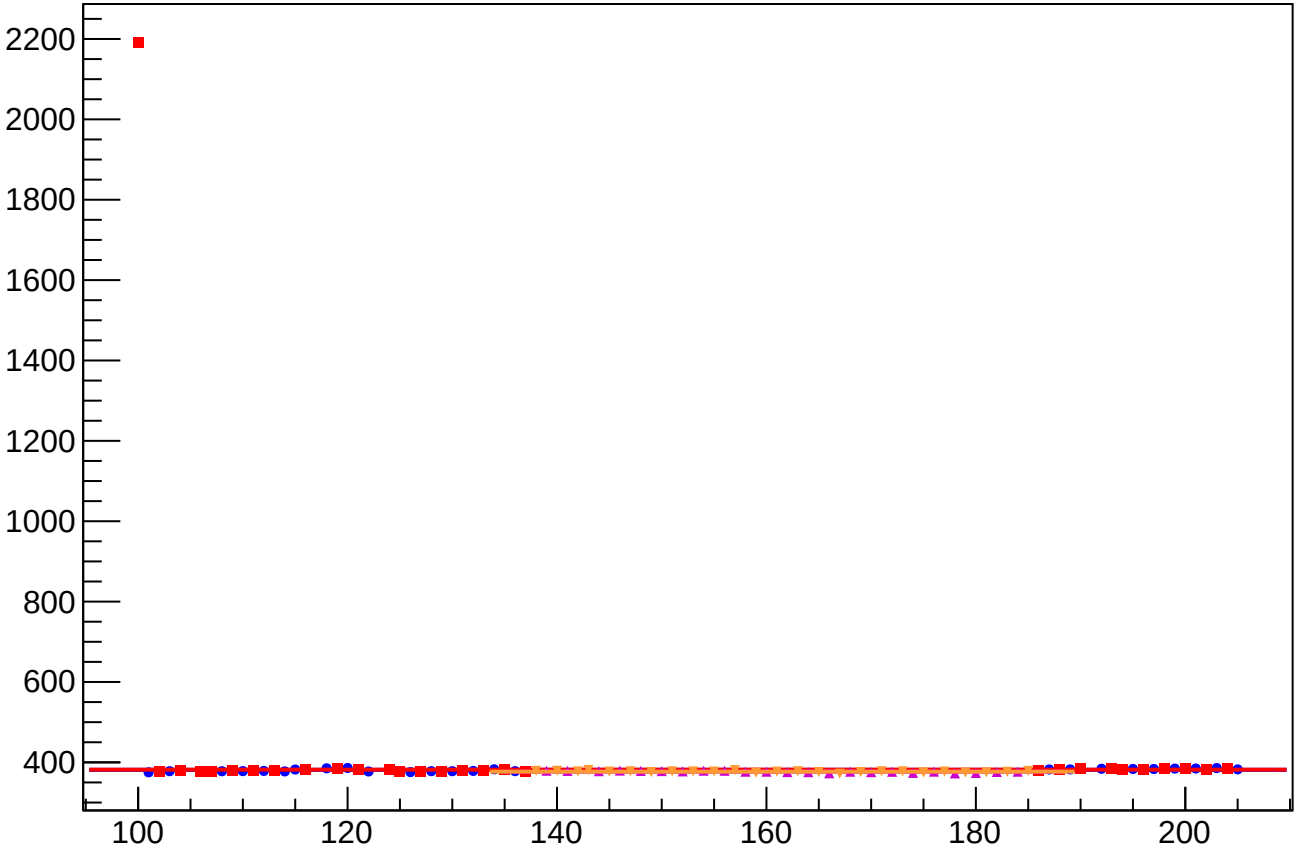
Right: 21.719+/-70.490 χ^2/NDF: 44.2/53

In: -94.493+/-66.482 χ^2/NDF:47.4/47

Out: 7.590+/-64.473 χ^2/NDF:32.7/53

All: -41.886+/-46.283 χ^2/NDF: 81.3/101

asym_dsr_rms vs Slug, Sign Corrected



Right In: 381.298+/-0.072 χ^2/NDF: 2148.5/24

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.801+/-0.069 χ^2/NDF: 100619.1/28

Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

Left: 376.877+/-0.043 χ^2/NDF: 2132.9/47

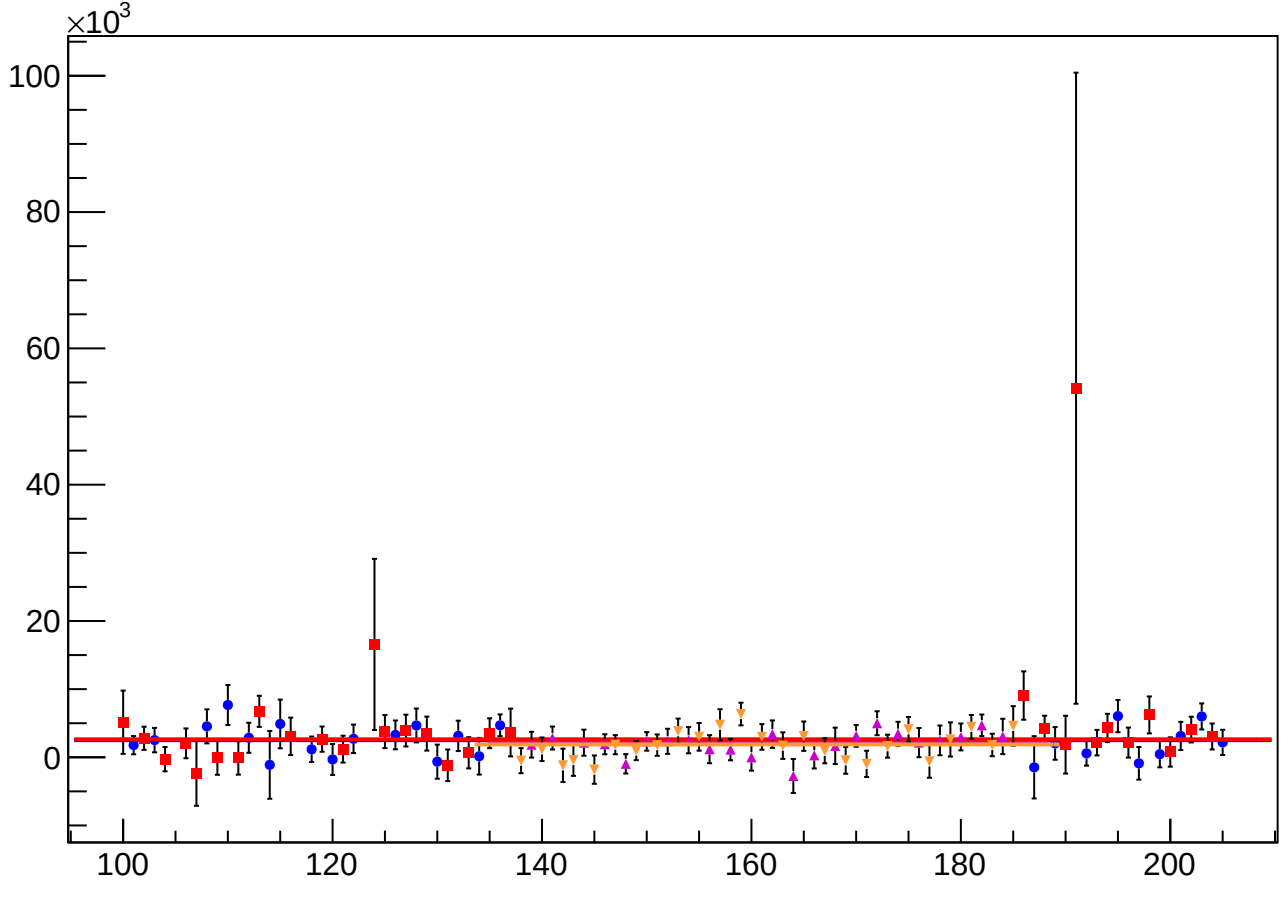
Right: 381.558+/-0.050 χ^2/NDF: 102793.0/53

In: 378.757+/-0.047 χ^2/NDF:5419.8/47

Out: 379.025+/-0.046 χ^2/NDF:104507.8/53

All: 378.895+/-0.033 χ^2/NDF: 109944.4/101

asym_us_agg_avg_mean vs Slug, Sign Corrected



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

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: 2638.819+/-431.144 χ^2/NDF: 24.9/29

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

Left: 1997.240+/-266.690 χ^2/NDF: 47.1/47

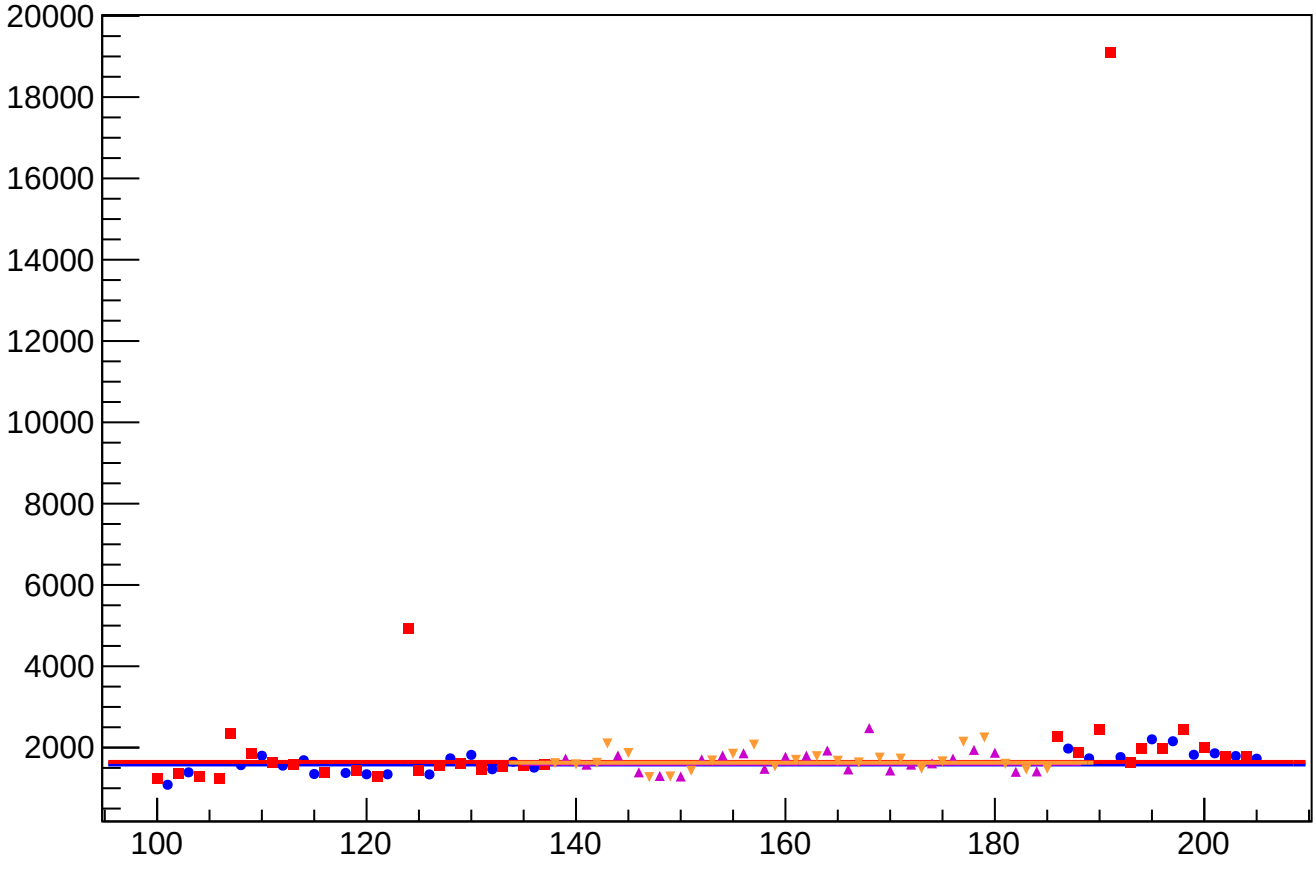
Right: 2578.940+/-304.495 χ^2/NDF: 48.0/54

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

Out: 2213.477+/-283.072 χ^2/NDF:55.0/54

All: 2249.757+/-200.621 χ^2/NDF: 97.2/102

asym_us_agg_avg_rms vs Slug, Sign Corrected



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

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1646.973+/-0.305 χ^2/NDF: 1356180.5/29

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

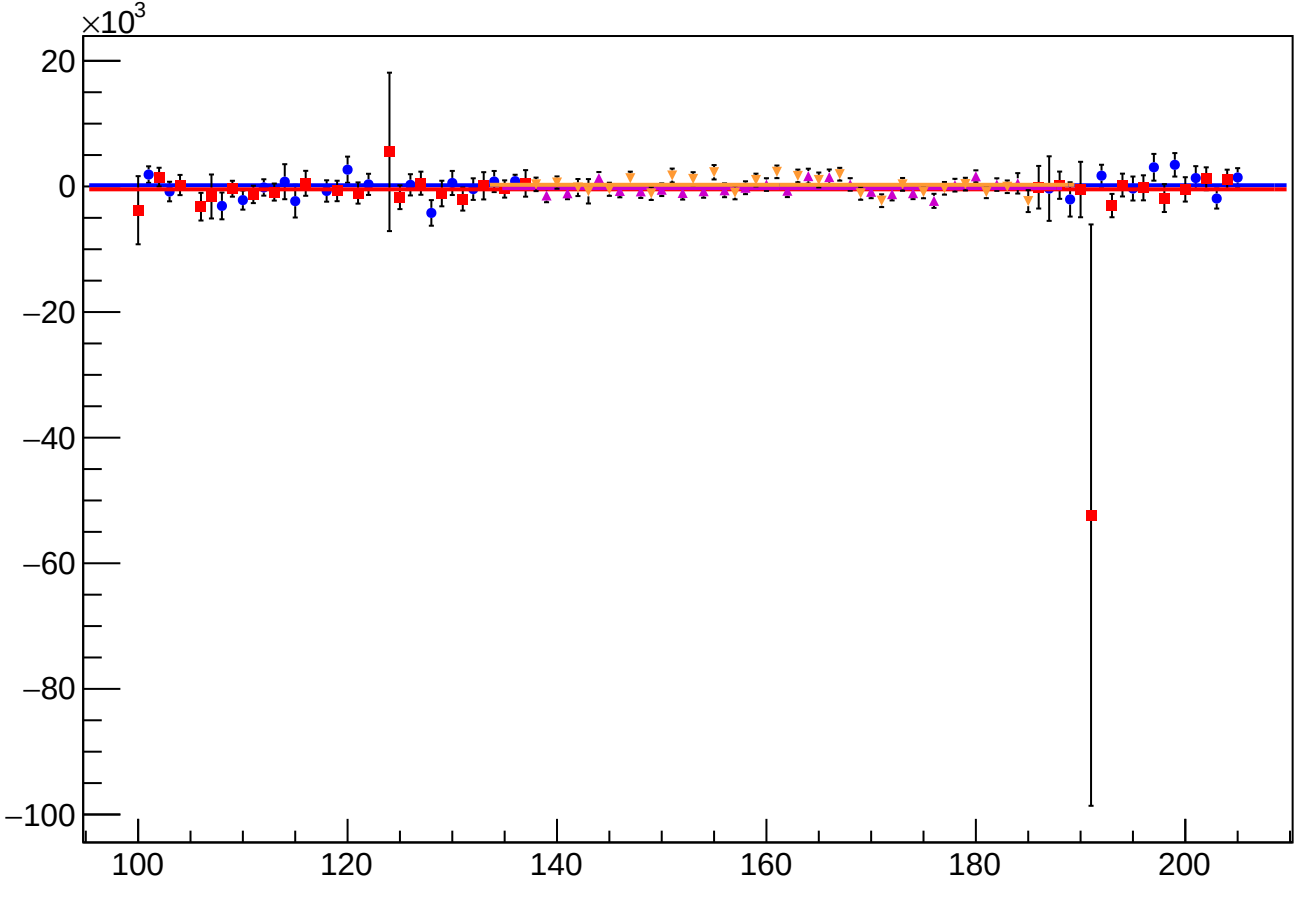
Left: 1615.122+/-0.189 χ^2/NDF: 1577935.0/47

Right: 1615.913+/-0.215 χ^2/NDF: 2230432.4/54

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

Out: 1636.451+/-0.200 χ^2/NDF:2137368.9/54

All: 1615.465+/-0.142 χ^2/NDF: 3808375.1/10



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

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: -459.310+/-346.953 χ^2/NDF: 12.6/29

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

Left: 0.994+/-152.955 χ^2/NDF: 58.3/47

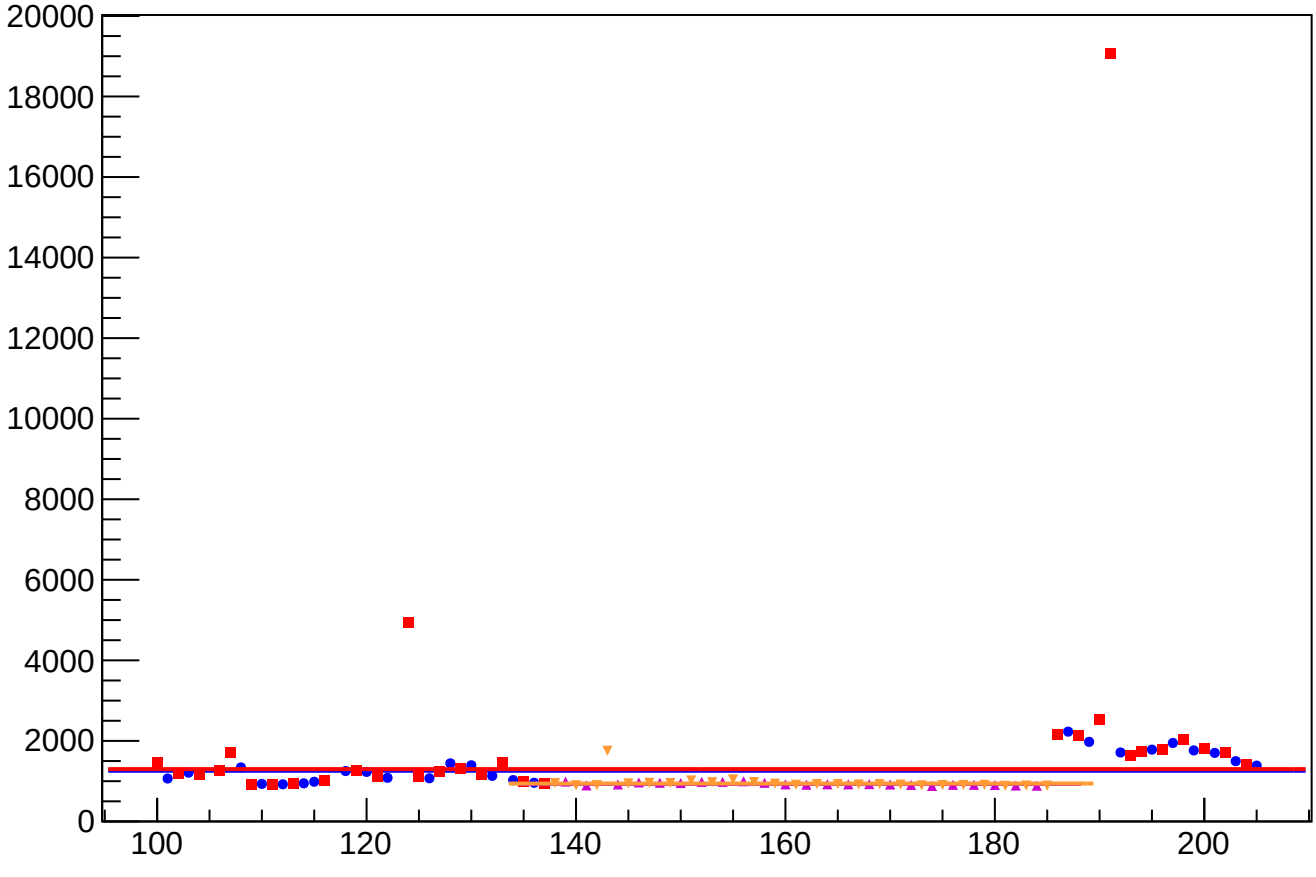
Right: -134.501+/-244.970 χ^2/NDF: 38.5/54

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

Out: 62.194+/-182.732 χ^2/NDF:49.7/54

All: -37.012+/-129.741 χ^2/NDF: 97.0/102

asym_us_agg_dd_rms vs Slug, Sign Corrected



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

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1299.196+/-0.245 χ^2/NDF: 2619215.5/29

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

Left: 936.347+/-0.108 χ^2/NDF: 468535.2/47

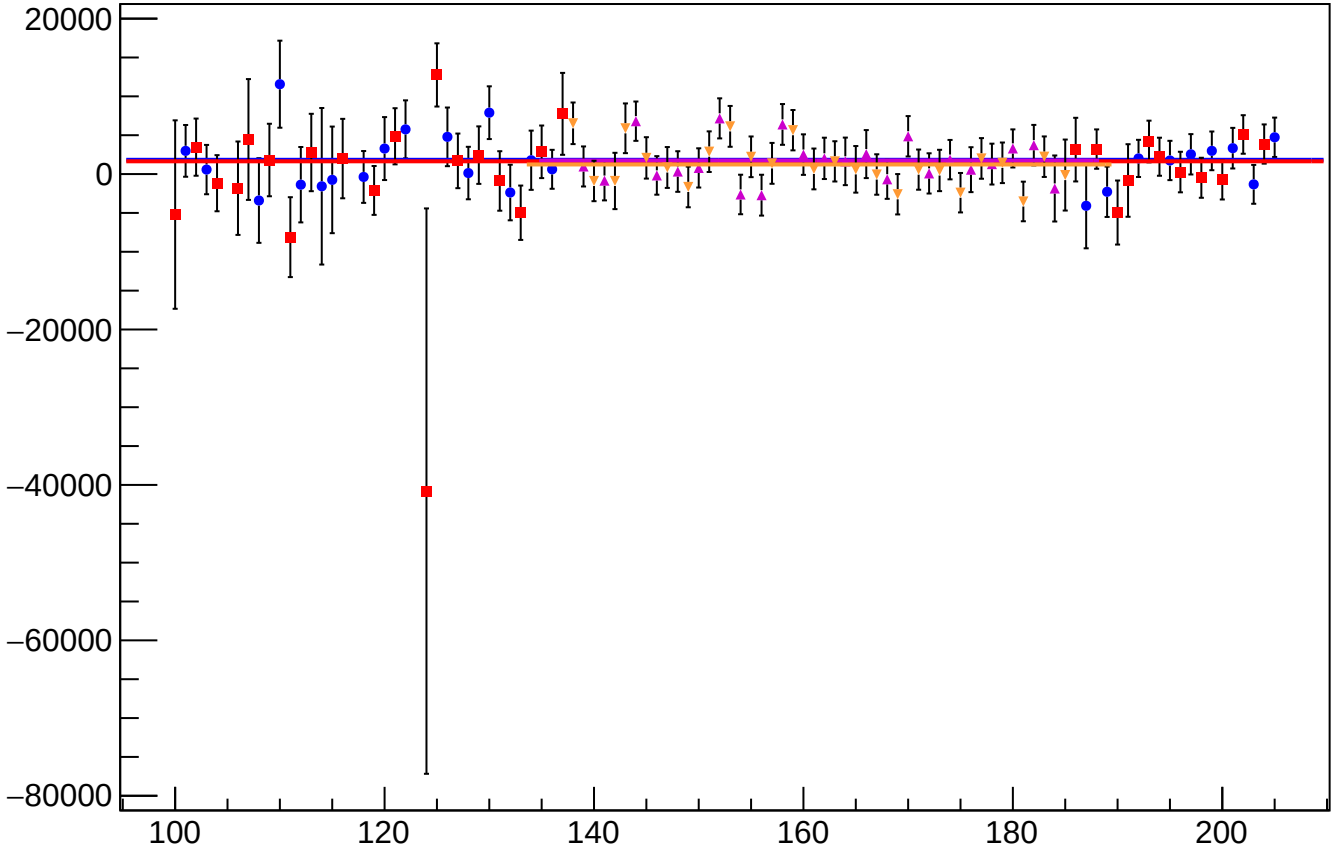
Right: 1278.907+/-0.173 χ^2/NDF: 4265629.5/54

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

Out: 1040.369+/-0.129 χ^2/NDF:4577216.7/54

All: 1032.435+/-0.092 χ^2/NDF: 7548062.9/10

reg_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1835.102+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: 1642.380+/-641.412 χ^2/NDF: 30.8/29

Left In: 1741.730+/-553.254 χ^2/NDF:24.4/22

Left: 1482.688+/-386.910 χ^2/NDF: 48.7/47

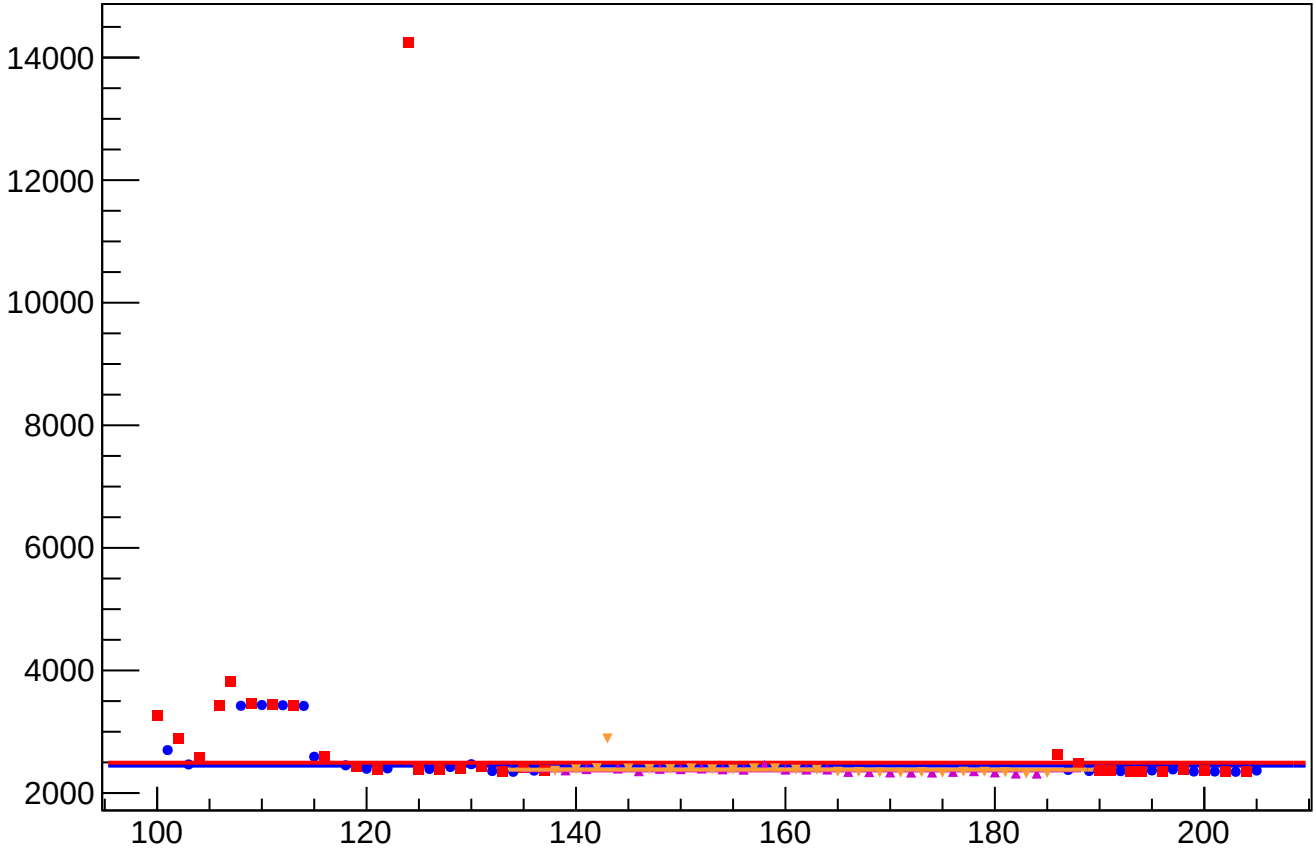
Right: 1736.790+/-458.115 χ^2/NDF: 49.4/54

In: 1780.641+/-422.531 χ^2/NDF:43.0/47

Out: 1404.290+/-413.672 χ^2/NDF:54.9/54

All: 1588.478+/-295.593 χ^2/NDF: 98.2/102

reg_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2494.949+/-0.454 χ^2/NDF: 630517.2/29

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

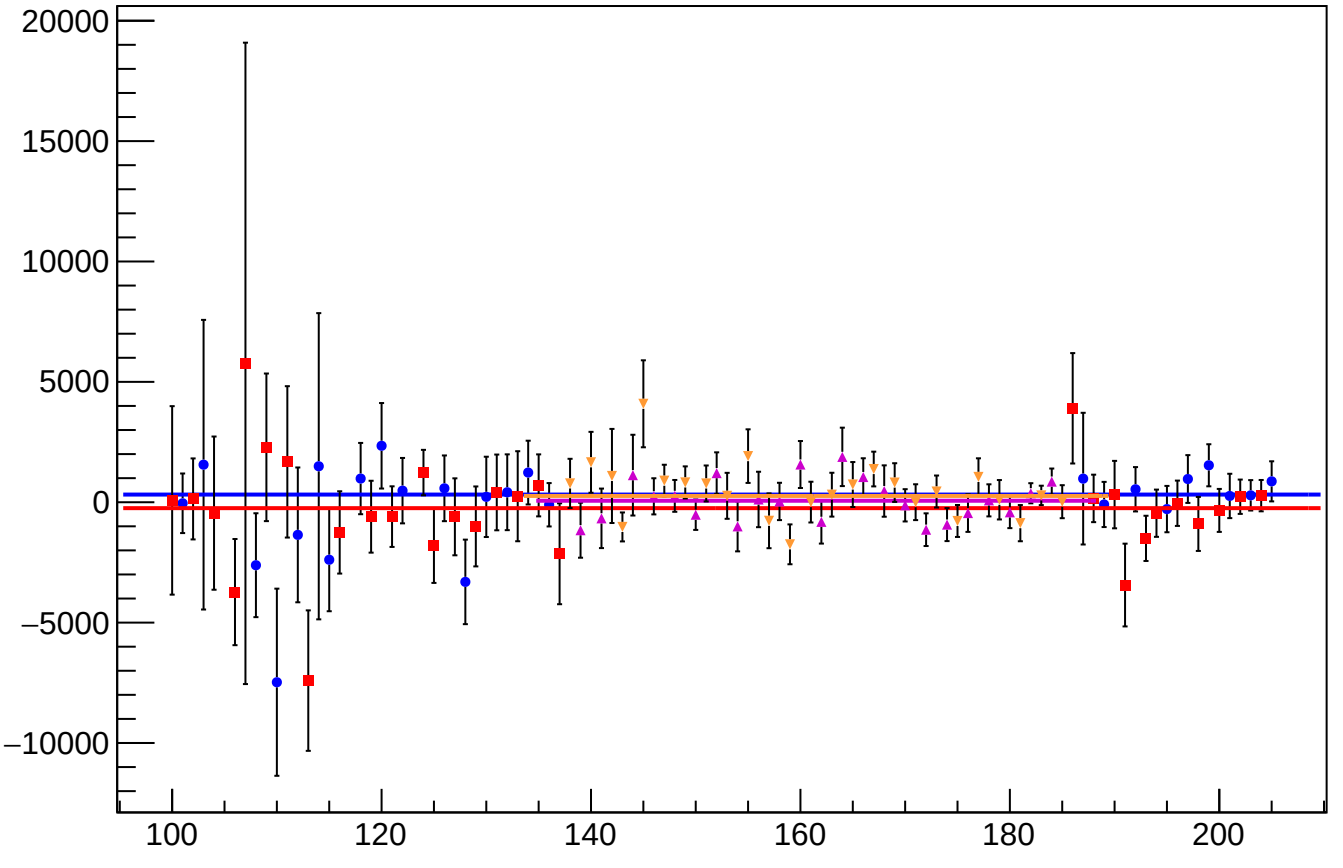
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2471.708+/-0.324 χ^2/NDF: 901064.9/54

In: 2401.940+/-0.299 χ^2/NDF:288839.7/47

Out: 2428.534+/-0.293 χ^2/NDF:724854.5/54

All: 2415.519+/-0.209 χ^2/NDF: 1017739.6/10



Right In: 318.666+/-242.128 χ^2/NDF: 18.0/24

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: -245.844+/-235.440 χ^2/NDF: 26.0/29

Left In: 61.960+/-157.394 χ^2/NDF:22.0/22

Left: 164.091+/-110.078 χ^2/NDF: 53.9/47

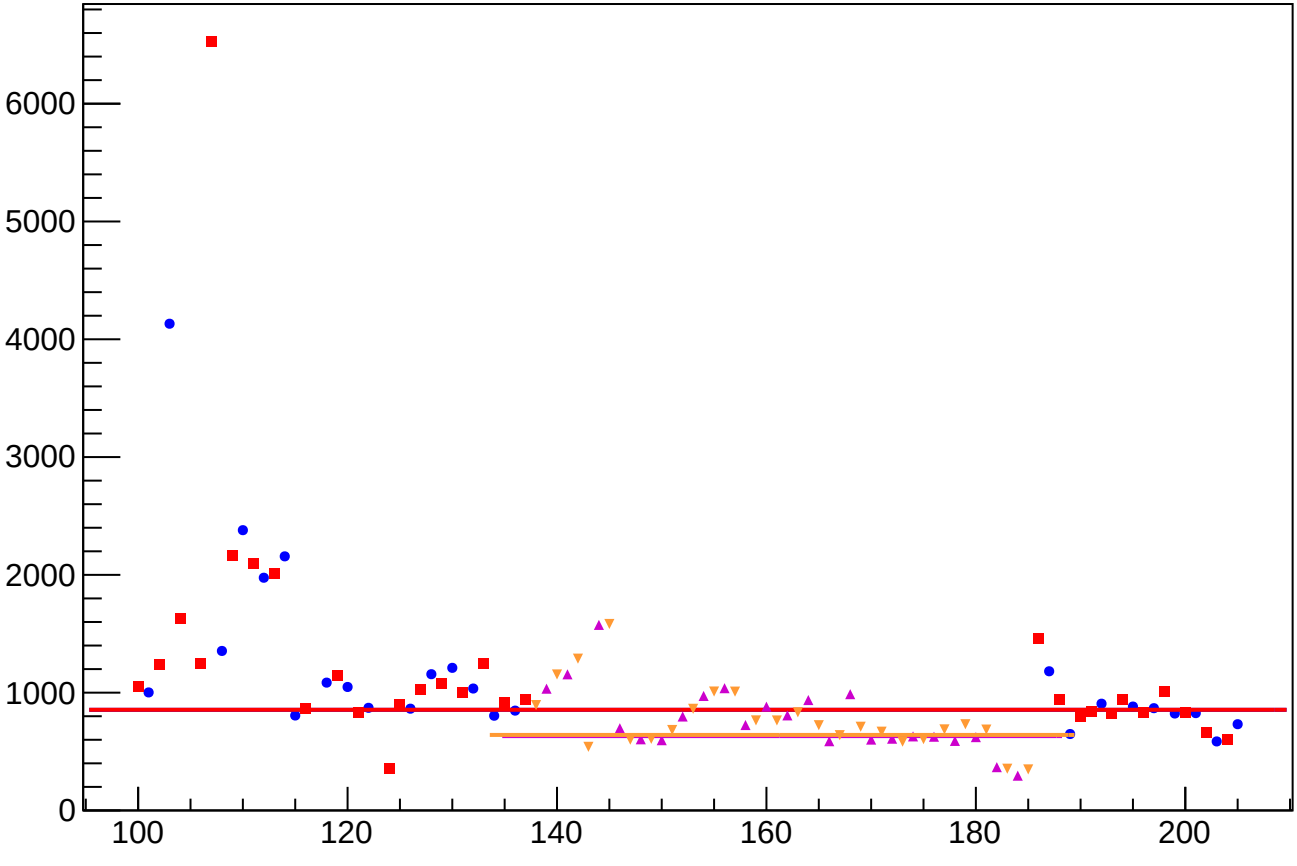
Right: 28.508+/-168.796 χ^2/NDF: 46.9/54

In: 138.212+/-131.963 χ^2/NDF:40.8/47

Out: 109.730+/-128.884 χ^2/NDF:60.4/54

All: 123.635+/-92.204 χ^2/NDF: 101.3/102

asym_atl1_reg_correction_rms vs Slug, Sign Corrected



Right In: 854.113+/-0.171 χ^2/NDF: 2237823.5/24

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 854.667+/-0.166 χ^2/NDF: 3122412.3/29

Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

Left: 636.286+/-0.078 χ^2/NDF: 7454389.1/47

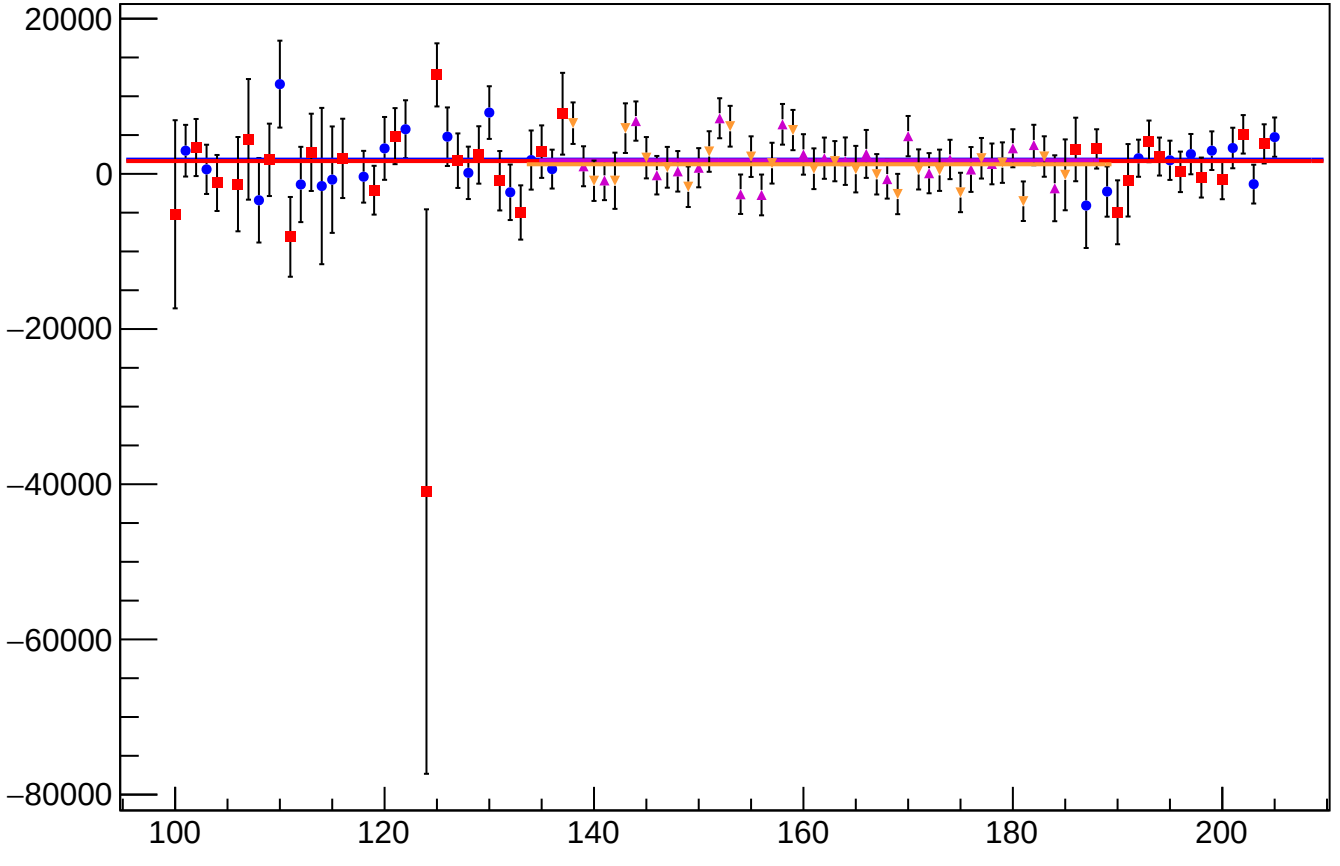
Right: 854.398+/-0.119 χ^2/NDF: 5360241.2/54

In: 697.413+/-0.093 χ^2/NDF:7404909.1/47

Out: 705.138+/-0.091 χ^2/NDF:7749166.1/54

All: 701.367+/-0.065 χ^2/NDF: 15157582.8/10

cor_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1835.384+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1646.542+/-641.495 χ^2/NDF: 30.7/29

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

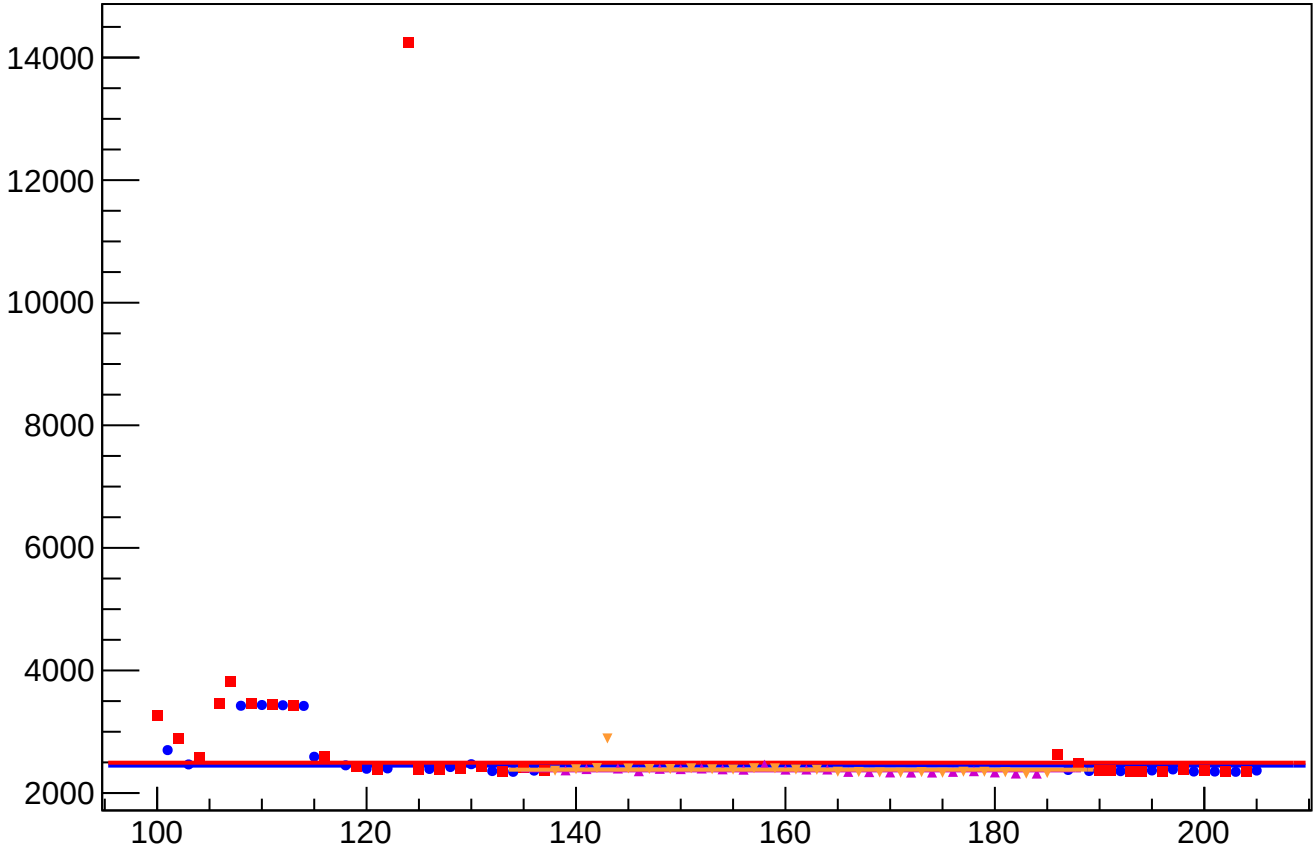
Right: 1739.064+/-458.145 χ^2/NDF: 49.3/54

In: 1780.790+/-422.531 χ^2/NDF:43.0/47

Out: 1405.982+/-413.694 χ^2/NDF:54.8/54

All: 1589.425+/-295.601 χ^2/NDF: 98.1/102

cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2495.146+/-0.454 χ^2/NDF: 633415.9/29

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

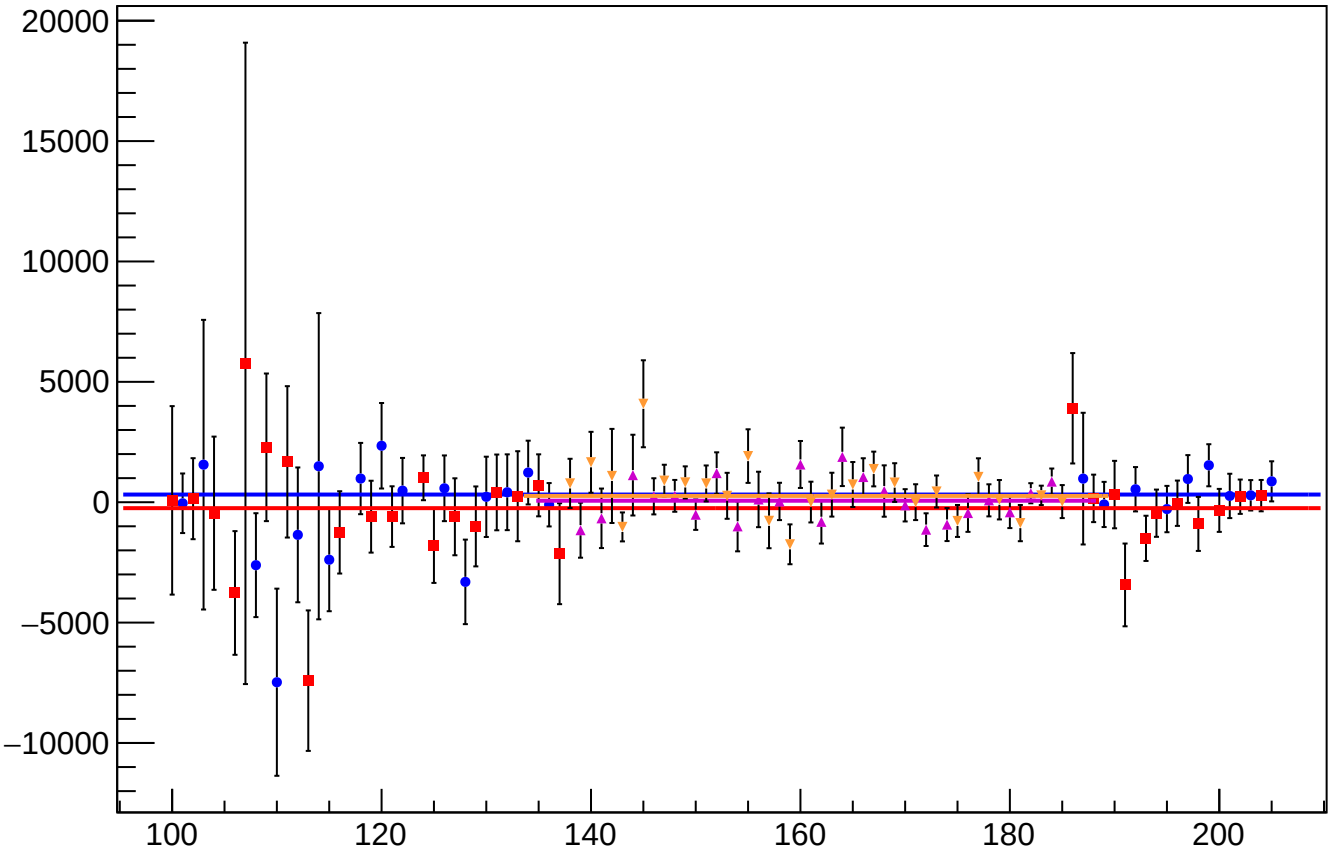
Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

Right: 2471.805+/-0.324 χ^2/NDF: 904007.5/54

In: 2401.940+/-0.299 χ^2/NDF:288839.8/47

Out: 2428.609+/-0.293 χ^2/NDF:727874.9/54

All: 2415.556+/-0.209 χ^2/NDF: 1020782.5/10



Right In: 318.561+/-242.127 χ^2/NDF: 18.0/24

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -246.876+/-235.599 χ^2/NDF: 24.8/29

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

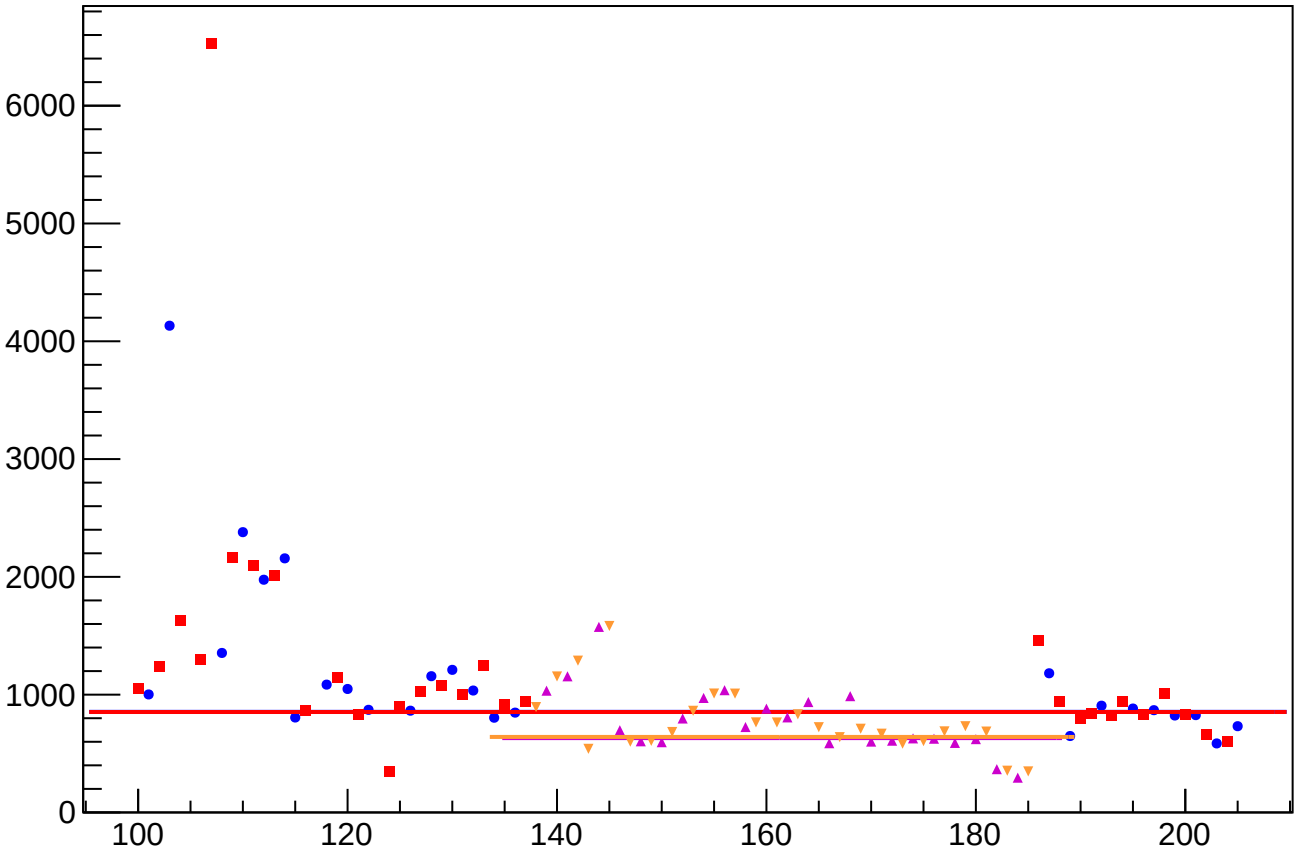
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 28.117+/-168.854 χ^2/NDF: 45.6/54

In: 138.192+/-131.963 χ^2/NDF:40.8/47

Out: 109.760+/-128.911 χ^2/NDF:59.2/54

All: 123.644+/-92.214 χ^2/NDF: 100.0/102



Right In: 854.112+/-0.171 χ^2/NDF: 2237840.6/24

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 852.769+/-0.167 χ^2/NDF: 3143295.0/29

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

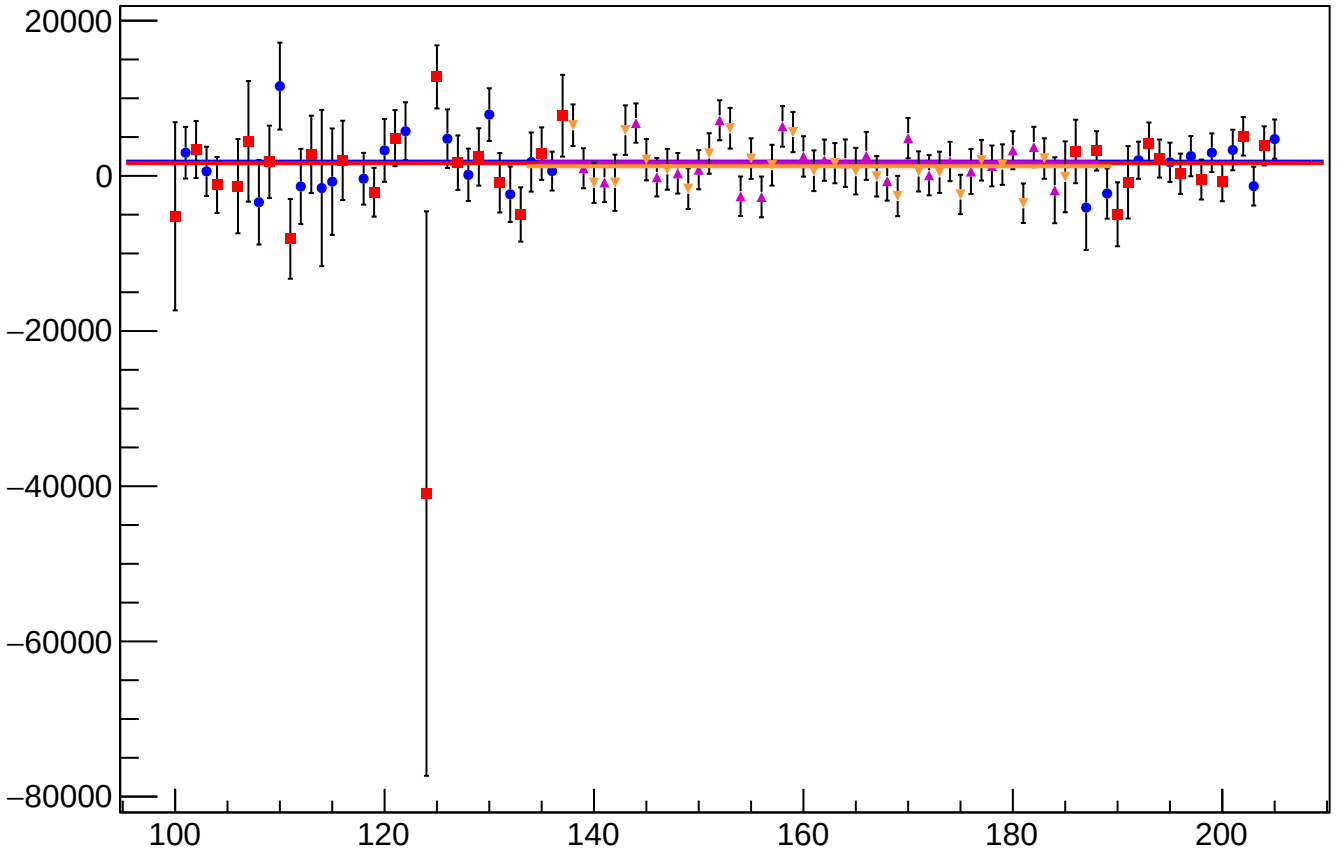
Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

Right: 853.422+/-0.119 χ^2/NDF: 5381167.1/54

In: 697.411+/-0.093 χ^2/NDF:7405072.3/47

Out: 704.520+/-0.091 χ^2/NDF:7748177.9/54

All: 701.049+/-0.065 χ^2/NDF: 15156220.3/10



Right In: 1835.384+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: 1646.542+/-641.495 χ^2/NDF: 30.7/29

Left In: 1741.784+/-553.254 χ^2/NDF:24.4/22

Left: 1482.702+/-386.910 χ^2/NDF: 48.7/47

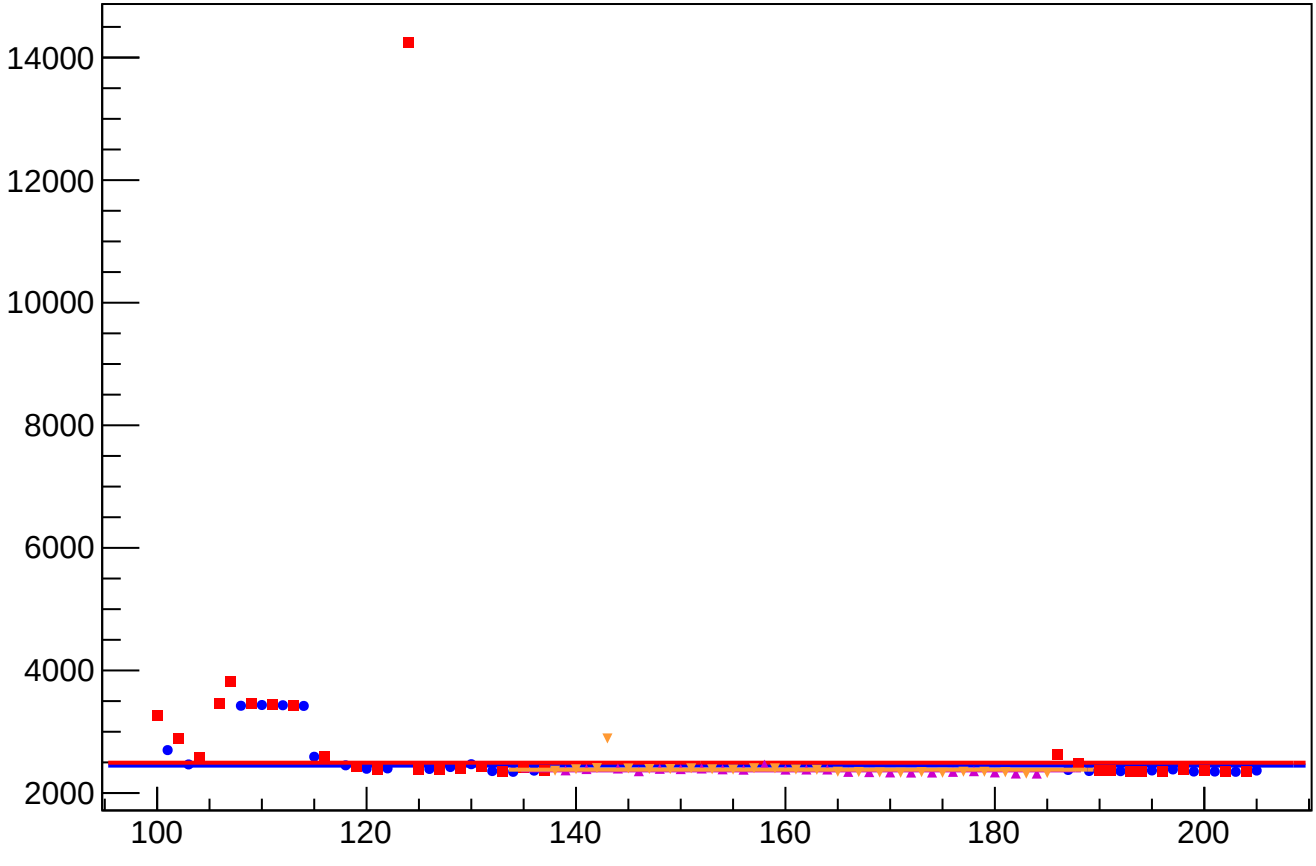
Right: 1739.064+/-458.145 χ^2/NDF: 49.3/54

In: 1780.790+/-422.531 χ^2/NDF:43.0/47

Out: 1405.982+/-413.694 χ^2/NDF:54.8/54

All: 1589.425+/-295.601 χ^2/NDF: 98.1/102

eigen_cor_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2495.146+/-0.454 χ^2/NDF: 633415.9/29

Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

Left: 2375.439+/-0.274 χ^2/NDF: 65126.0/47

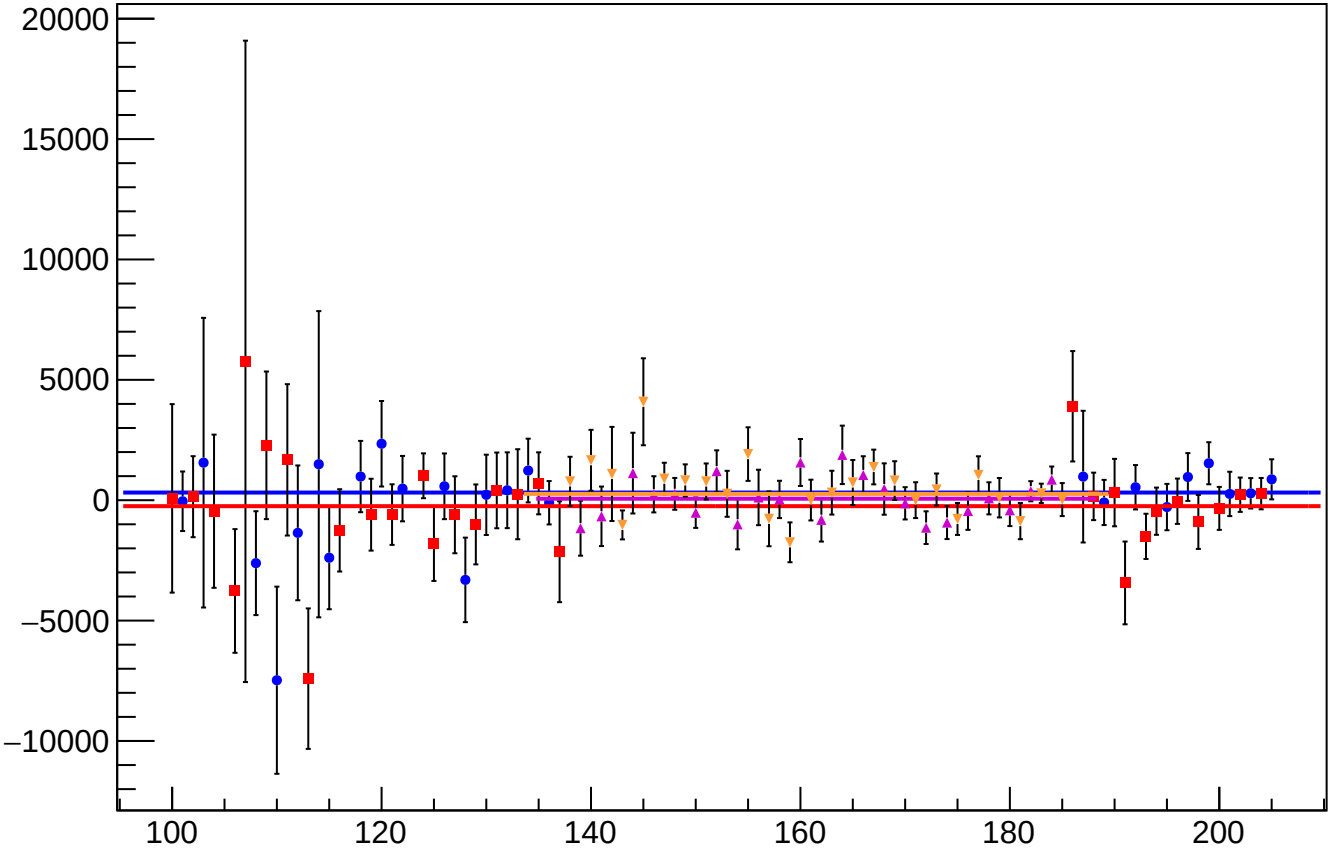
Right: 2471.805+/-0.324 χ^2/NDF: 904007.5/54

In: 2401.940+/-0.299 χ^2/NDF:288839.8/47

Out: 2428.609+/-0.293 χ^2/NDF:727874.9/54

All: 2415.556+/-0.209 χ^2/NDF: 1020782.5/10

asym_atl1_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 318.561+/-242.127 χ^2/NDF: 18.0/24

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: -246.876+/-235.599 χ^2/NDF: 24.8/29

Left In: 61.976+/-157.393 χ^2/NDF:22.0/22

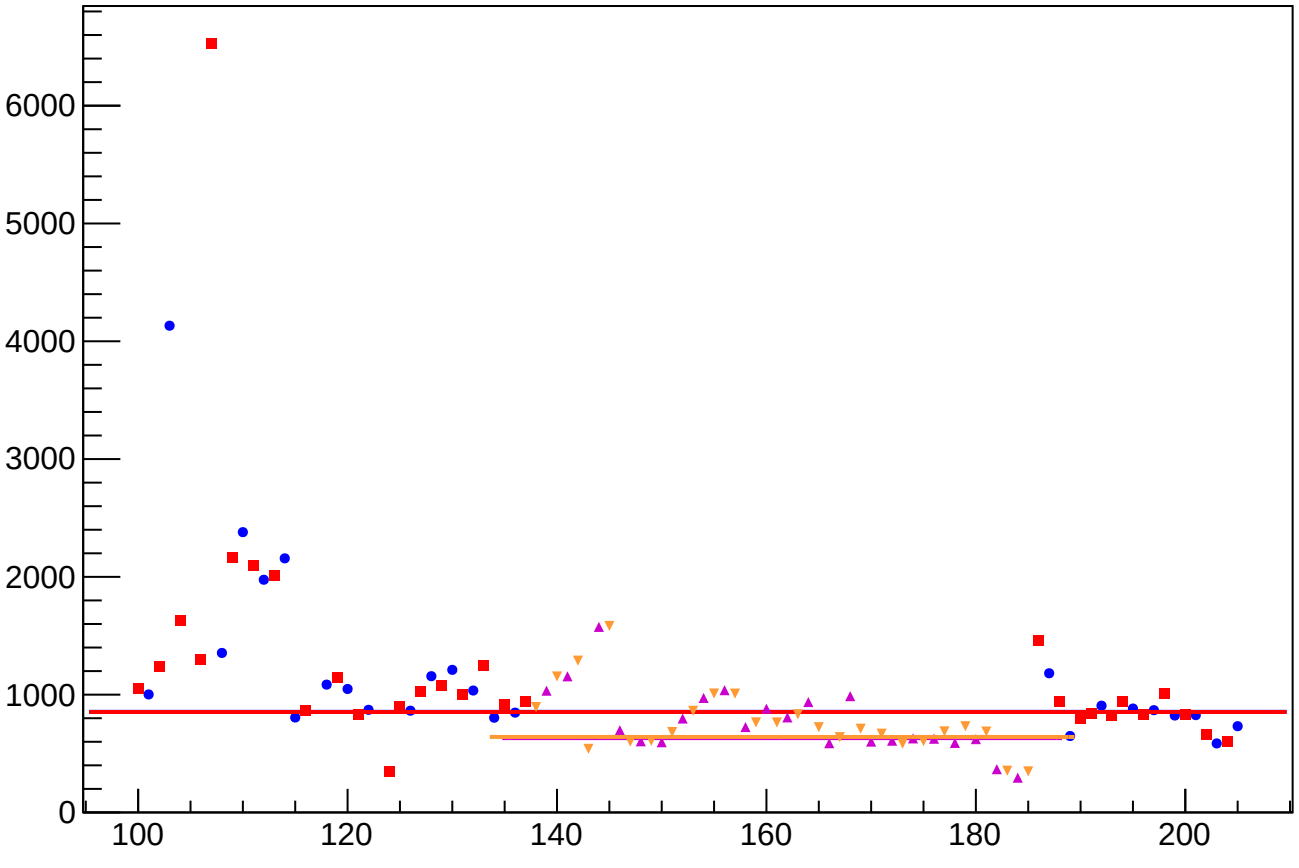
Left: 164.242+/-110.079 χ^2/NDF: 53.9/47

Right: 28.117+/-168.854 χ^2/NDF: 45.6/54

In: 138.192+/-131.963 χ^2/NDF:40.8/47

Out: 109.760+/-128.911 χ^2/NDF:59.2/54

All: 123.644+/-92.214 χ^2/NDF: 100.0/102



Right In: 854.112+/-0.171 χ^2/NDF: 2237840.6/24

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 852.769+/-0.167 χ^2/NDF: 3143295.0/29

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

Left: 636.291+/-0.078 χ^2/NDF: 7454254.5/47

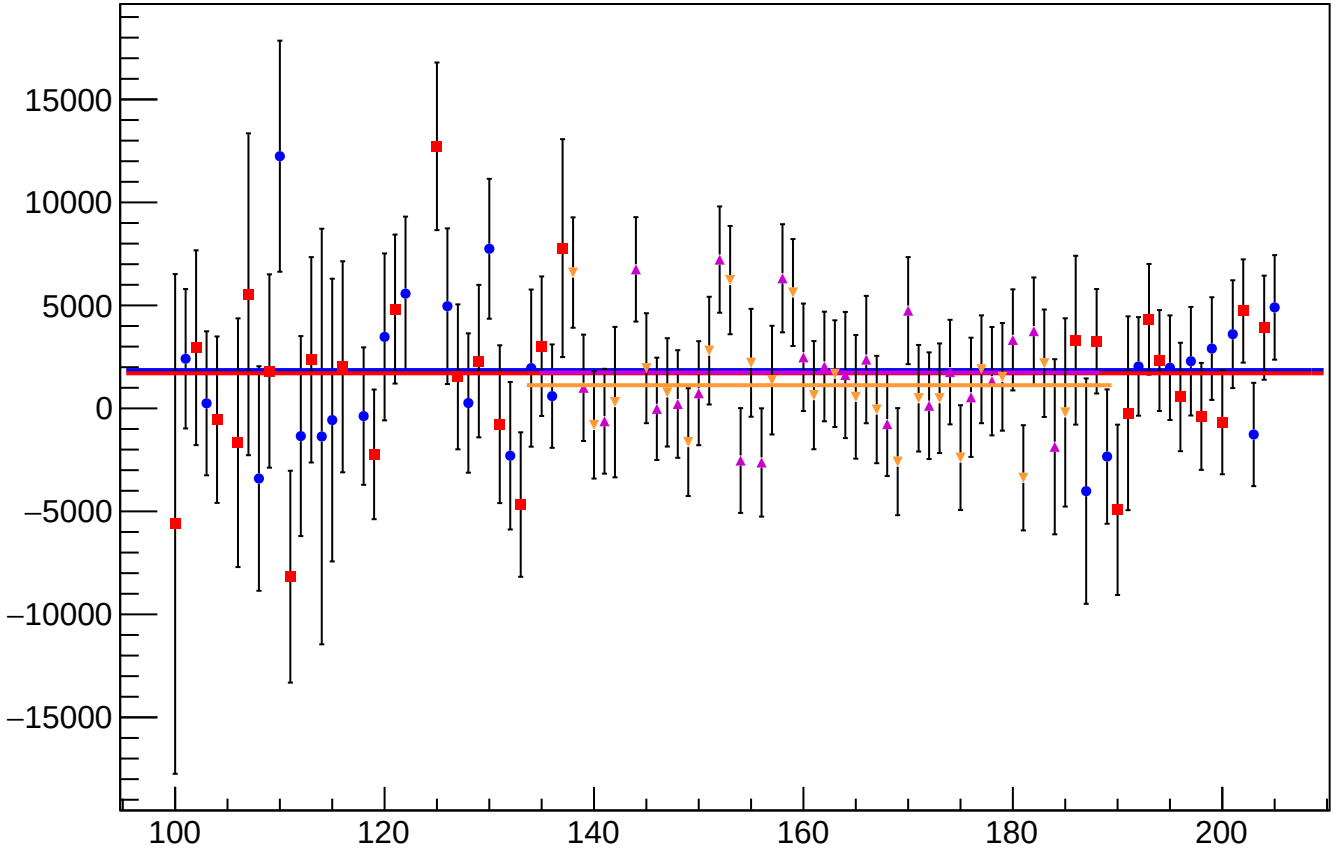
Right: 853.422+/-0.119 χ^2/NDF: 5381167.1/54

In: 697.411+/-0.093 χ^2/NDF:7405072.3/47

Out: 704.520+/-0.091 χ^2/NDF:7748177.9/54

All: 701.049+/-0.065 χ^2/NDF: 15156220.3/10

dit_asym_atl1_mean vs Slug, Sign Corrected



Right In: 1859.943+/-659.079 χ^2/NDF: 18.8/24

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1703.622+/-649.499 χ^2/NDF: 28.1/28

Left In: 1742.304+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

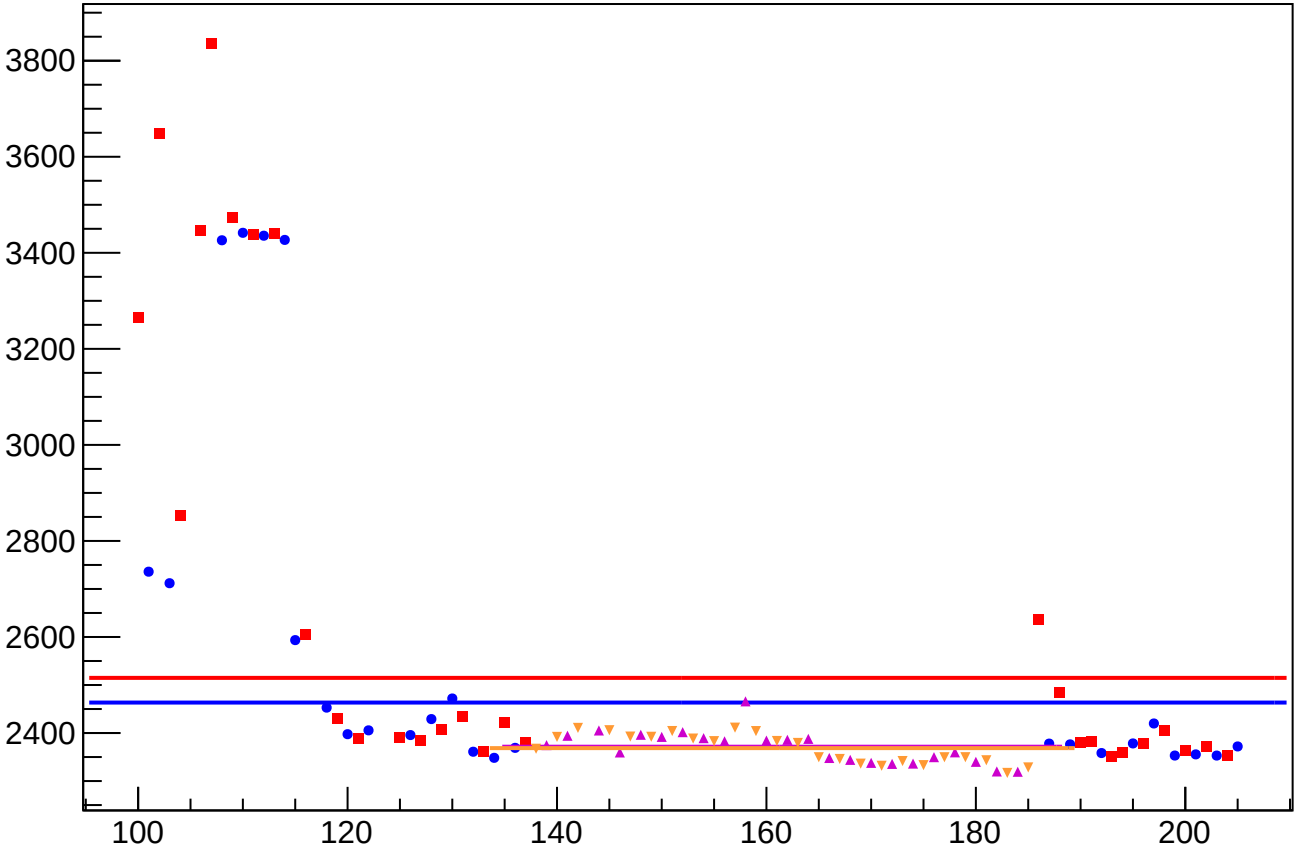
Right: 1780.638+/-462.615 χ^2/NDF: 46.9/53

In: 1790.985+/-423.972 χ^2/NDF:42.6/47

Out: 1366.884+/-419.654 χ^2/NDF:49.8/52

All: 1576.764+/-298.255 χ^2/NDF: 92.9/100

dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2463.444+/-0.466 χ^2/NDF: 275965.0/24

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2514.845+/-0.459 χ^2/NDF: 528679.0/28

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

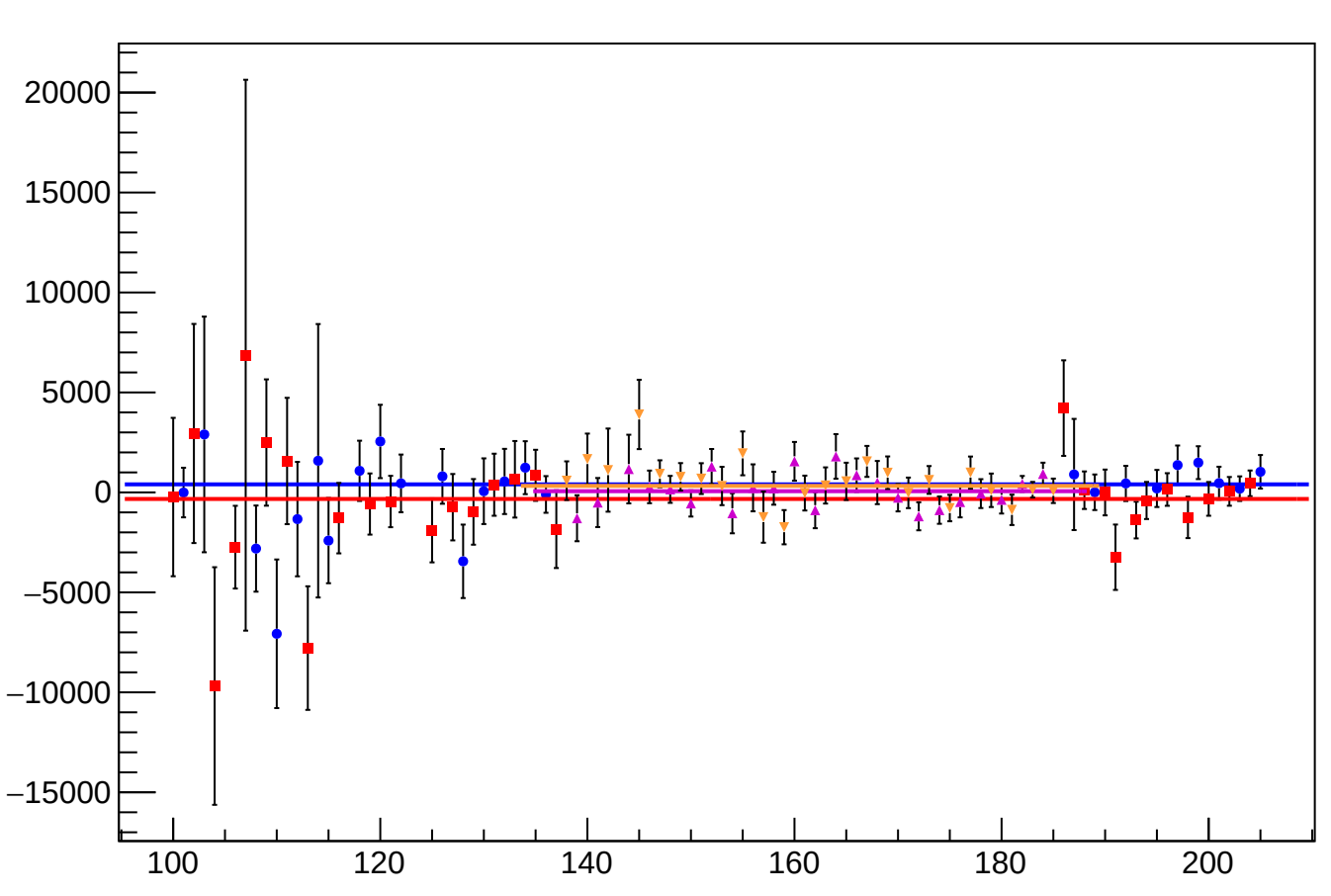
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2489.521+/-0.327 χ^2/NDF: 810815.4/53

In: 2409.558+/-0.300 χ^2/NDF:305825.7/47

Out: 2429.635+/-0.297 χ^2/NDF:593343.7/52

All: 2419.699+/-0.211 χ^2/NDF: 901434.7/100



Right In: 402.529+/-237.130 χ^2/NDF: 19.2/24

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: -328.278+/-237.651 χ^2/NDF: 26.2/28

Left In: 59.619+/-159.669 χ^2/NDF:22.7/22

Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

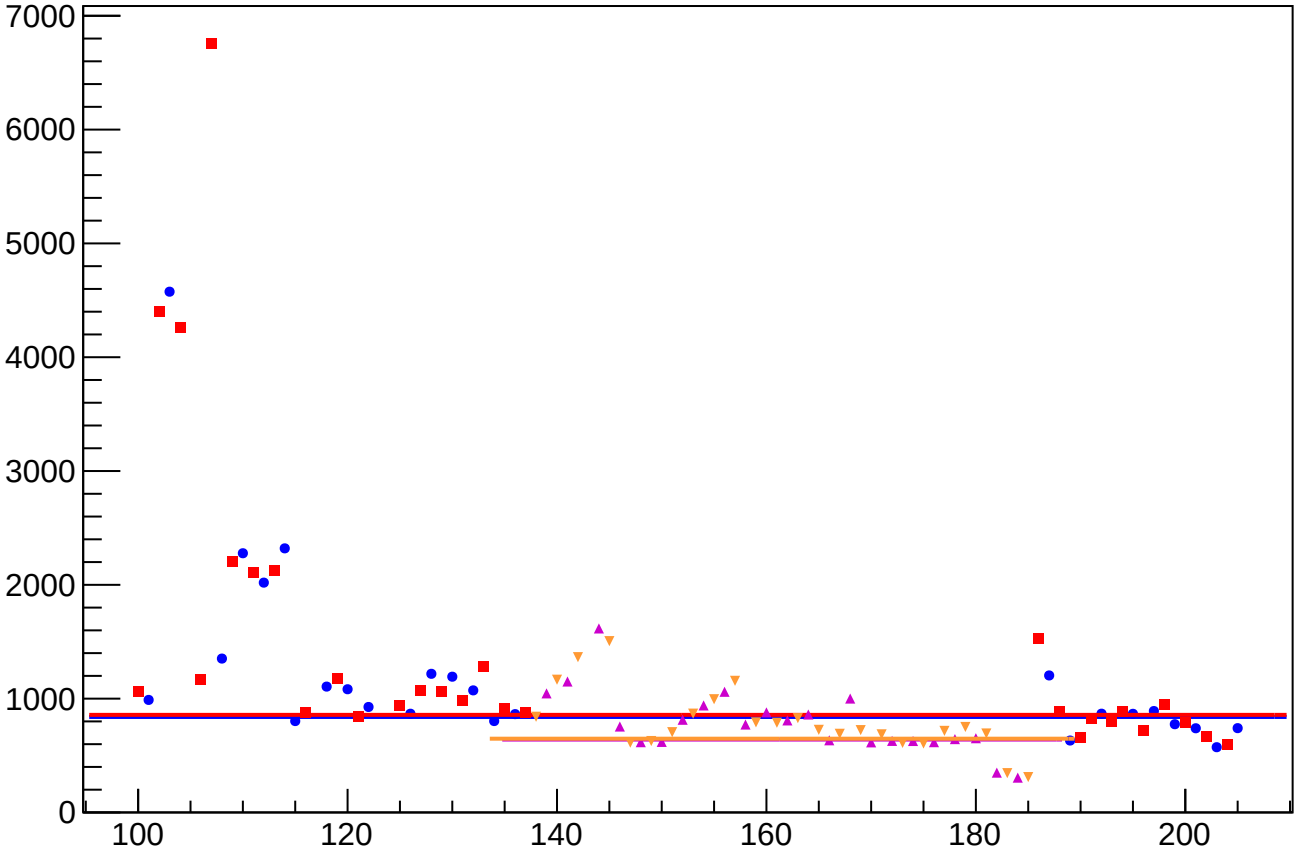
Right: 37.927+/-167.860 χ^2/NDF: 50.1/53

In: 166.590+/-132.443 χ^2/NDF:43.3/47

Out: 121.828+/-132.747 χ^2/NDF:58.2/52

All: 144.260+/-93.759 χ^2/NDF: 101.6/100

asym_atl1_dit_correction_rms vs Slug, Sign Corrected



Right In: 839.200+/-0.168 χ^2/NDF: 2602637.3/24

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

Right Out: 857.493+/-0.168 χ^2/NDF: 3982945.1/28

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

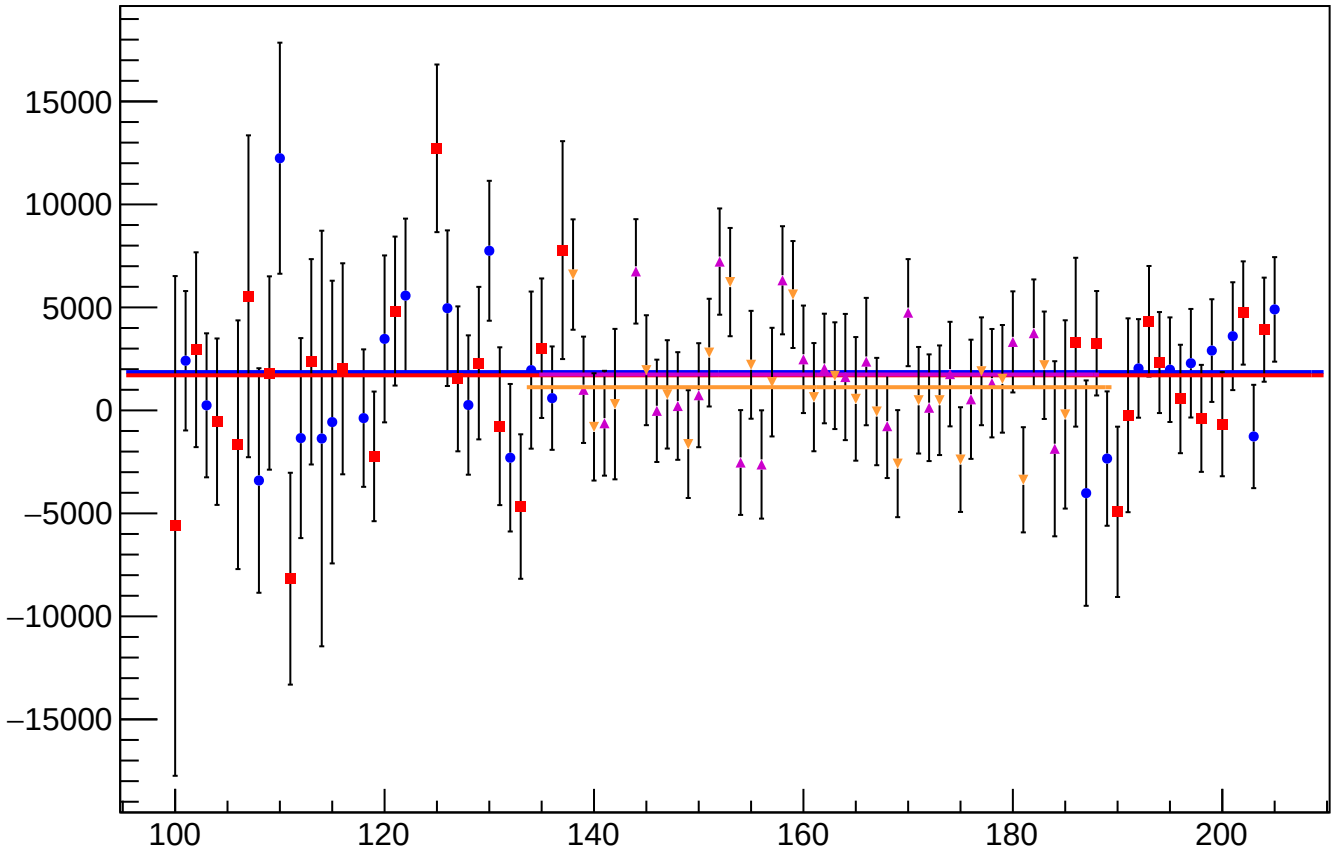
Left: 644.252+/-0.080 χ^2/NDF: 8018059.4/46

Right: 848.326+/-0.119 χ^2/NDF: 6591521.0/53

In: 702.431+/-0.094 χ^2/NDF:7698362.3/47

Out: 713.433+/-0.094 χ^2/NDF:8938151.1/52

All: 707.920+/-0.066 χ^2/NDF: 16643398.0/10



Right In: 1859.942+/-659.079 χ^2/NDF: 18.8/24

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: 1703.620+/-649.499 χ^2/NDF: 28.1/28

Left In: 1742.305+/-553.755 χ^2/NDF:23.8/22

Left: 1431.742+/-390.170 χ^2/NDF: 45.6/46

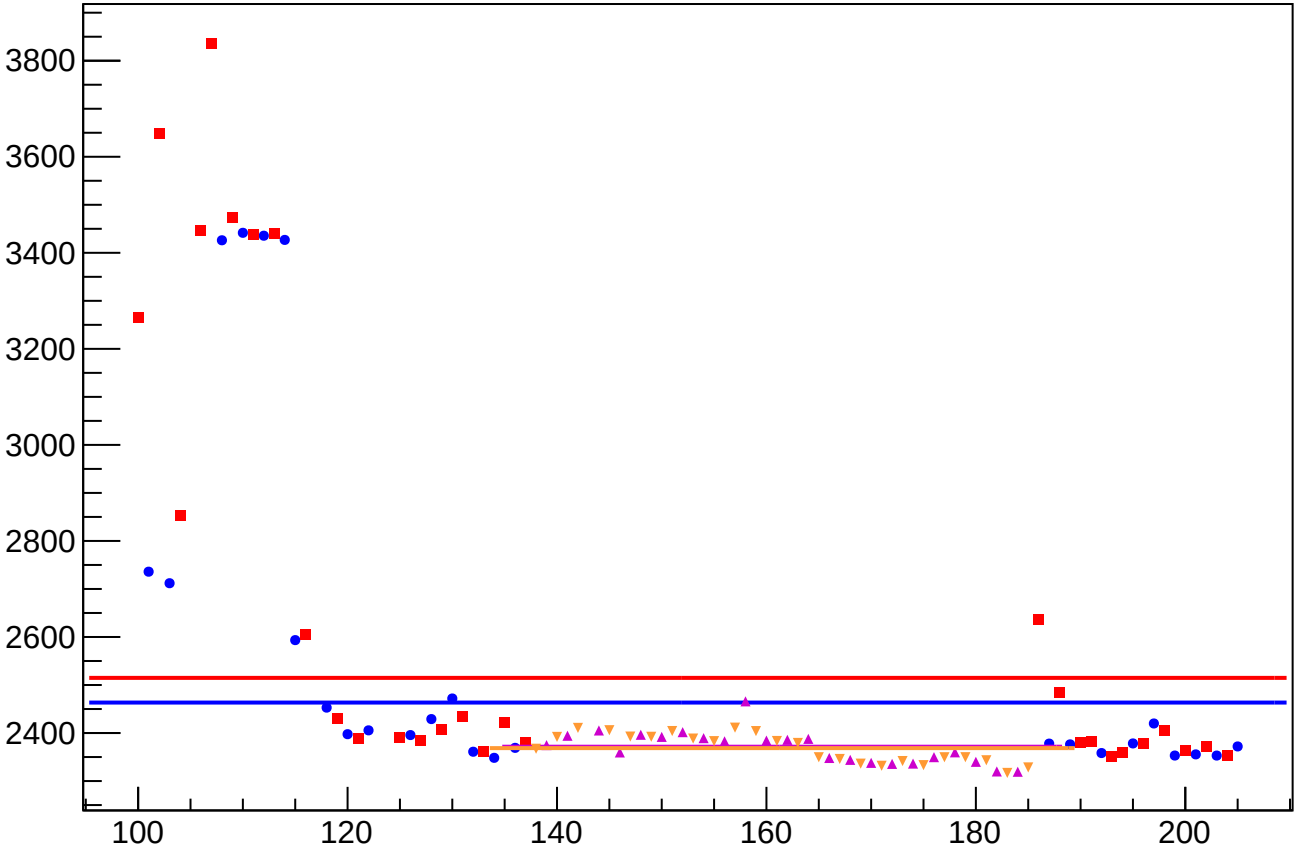
Right: 1780.637+/-462.615 χ^2/NDF: 46.9/53

In: 1790.984+/-423.972 χ^2/NDF:42.6/47

Out: 1366.884+/-419.654 χ^2/NDF:49.8/52

All: 1576.763+/-298.255 χ^2/NDF: 92.9/100

eigen_dit_asym_atl1_rms vs Slug, Sign Corrected



Right In: 2463.444+/-0.466 χ^2/NDF: 275964.6/24

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2514.845+/-0.459 χ^2/NDF: 528678.2/28

Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

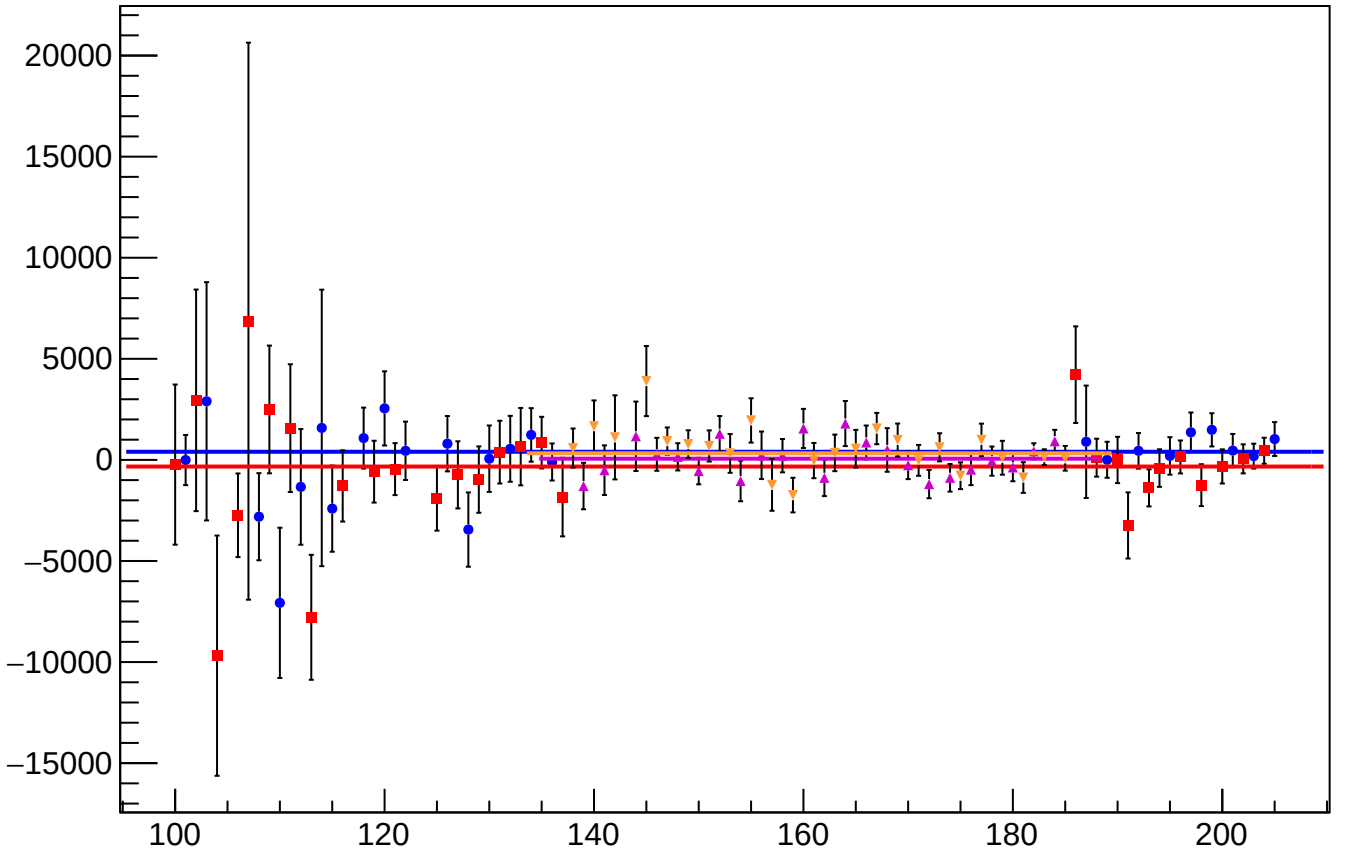
Left: 2370.033+/-0.276 χ^2/NDF: 12653.4/46

Right: 2489.521+/-0.327 χ^2/NDF: 810814.1/53

In: 2409.558+/-0.300 χ^2/NDF:305825.2/47

Out: 2429.635+/-0.297 χ^2/NDF:593342.7/52

All: 2419.699+/-0.211 χ^2/NDF: 901433.2/100



Right In: 402.528+/-237.130 χ^2/NDF: 19.2/24

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: -328.279+/-237.651 χ^2/NDF: 26.2/28

Left In: 59.619+/-159.670 χ^2/NDF:22.7/22

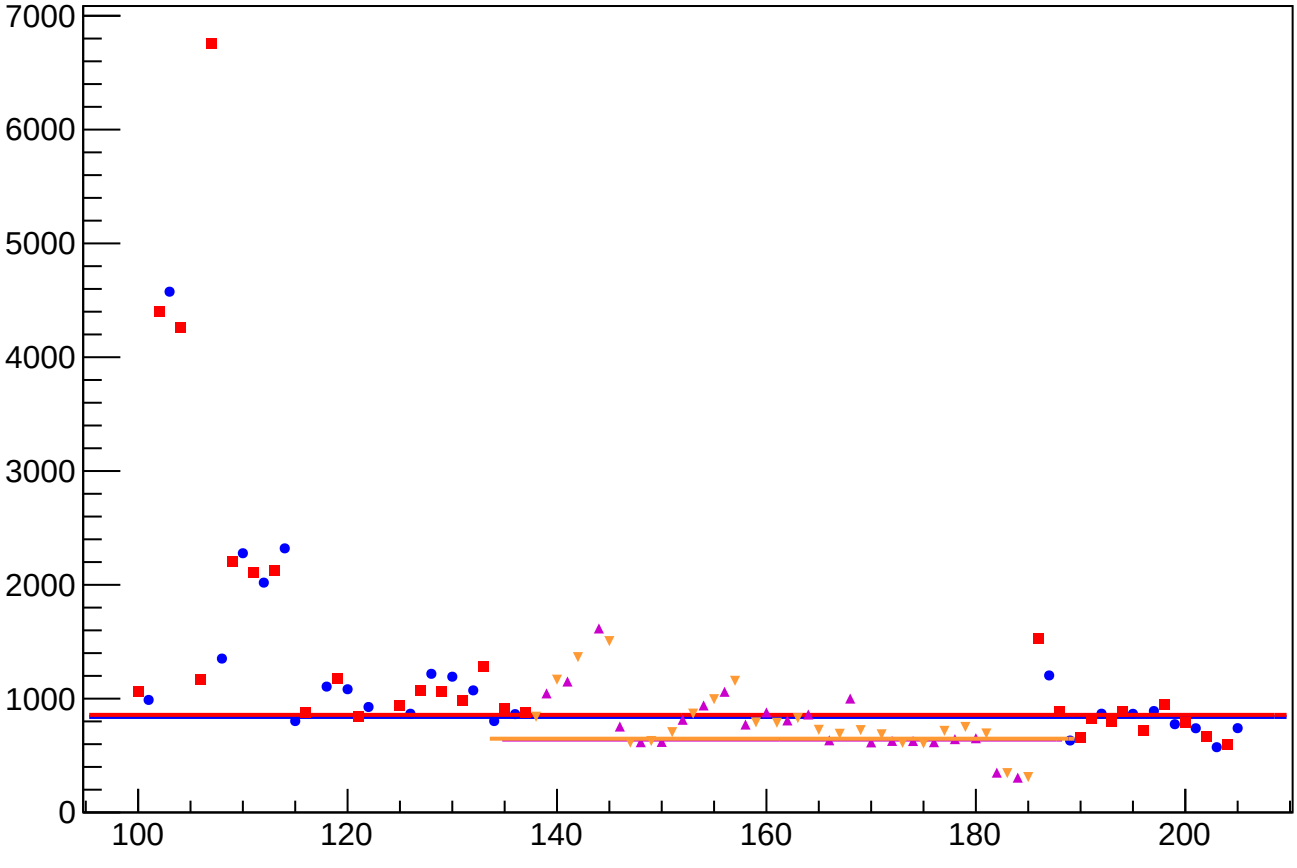
Left: 192.477+/-113.035 χ^2/NDF: 50.9/46

Right: 37.927+/-167.860 χ^2/NDF: 50.1/53

In: 166.591+/-132.444 χ^2/NDF:43.3/47

Out: 121.827+/-132.747 χ^2/NDF:58.2/52

All: 144.260+/-93.759 χ^2/NDF: 101.6/100



Right In: 839.199+/-0.168 χ^2/NDF: 2602636.6/24

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 857.493+/-0.168 χ^2/NDF: 3982944.7/28

Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

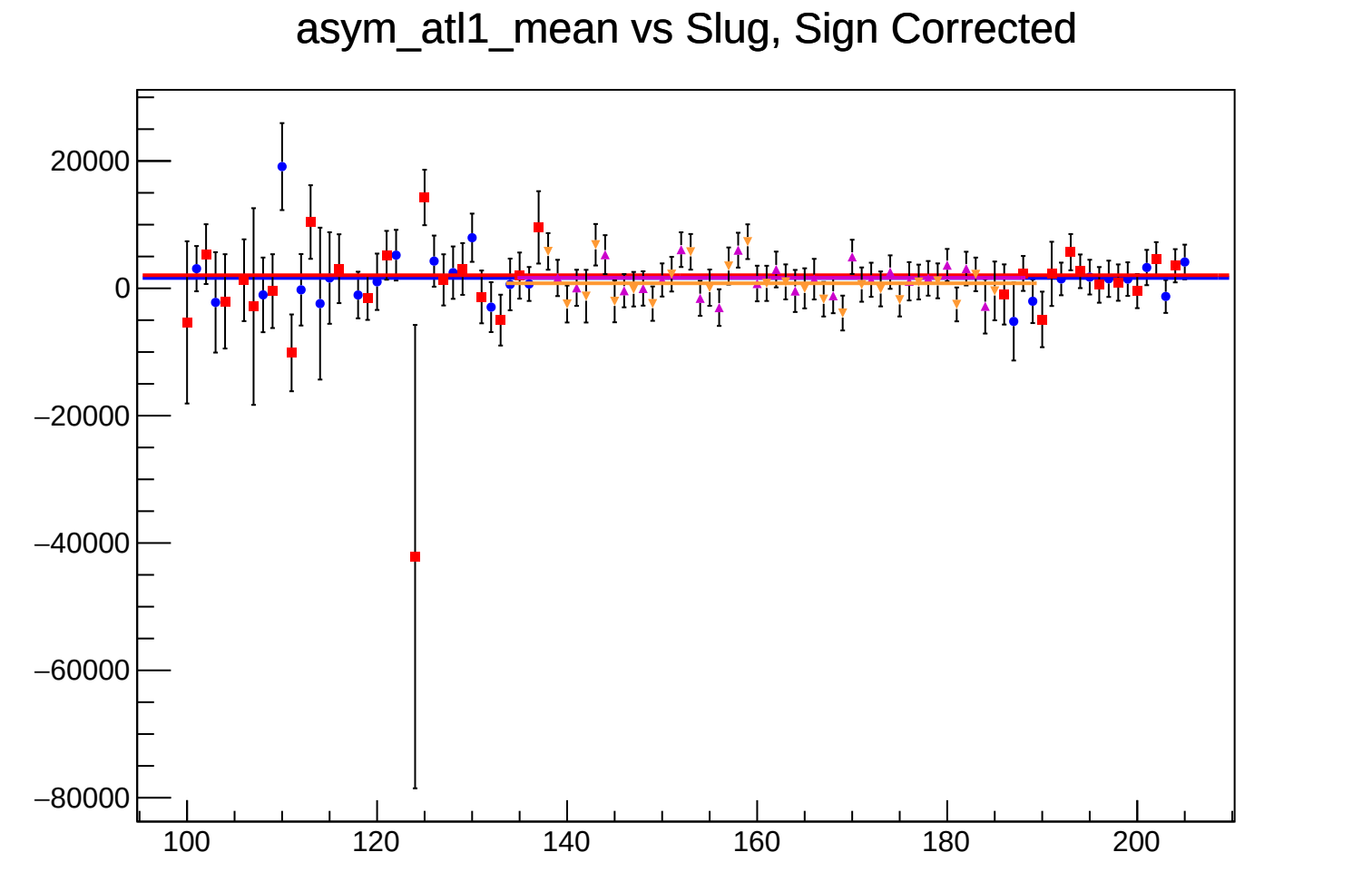
Left: 644.253+/-0.080 χ^2/NDF: 8018083.4/46

Right: 848.326+/-0.119 χ^2/NDF: 6591520.0/53

In: 702.432+/-0.094 χ^2/NDF:7698363.8/47

Out: 713.434+/-0.094 χ^2/NDF:8938148.8/52

All: 707.920+/-0.066 χ^2/NDF: 16643397.3/10



Right In: 1625.774+/-720.112 χ^2/NDF: 18.4/24

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: 2060.363+/-708.135 χ^2/NDF: 31.6/29

Left In: 1654.626+/-586.767 χ^2/NDF:17.3/22

Left: 1212.987+/-410.050 χ^2/NDF: 45.6/47

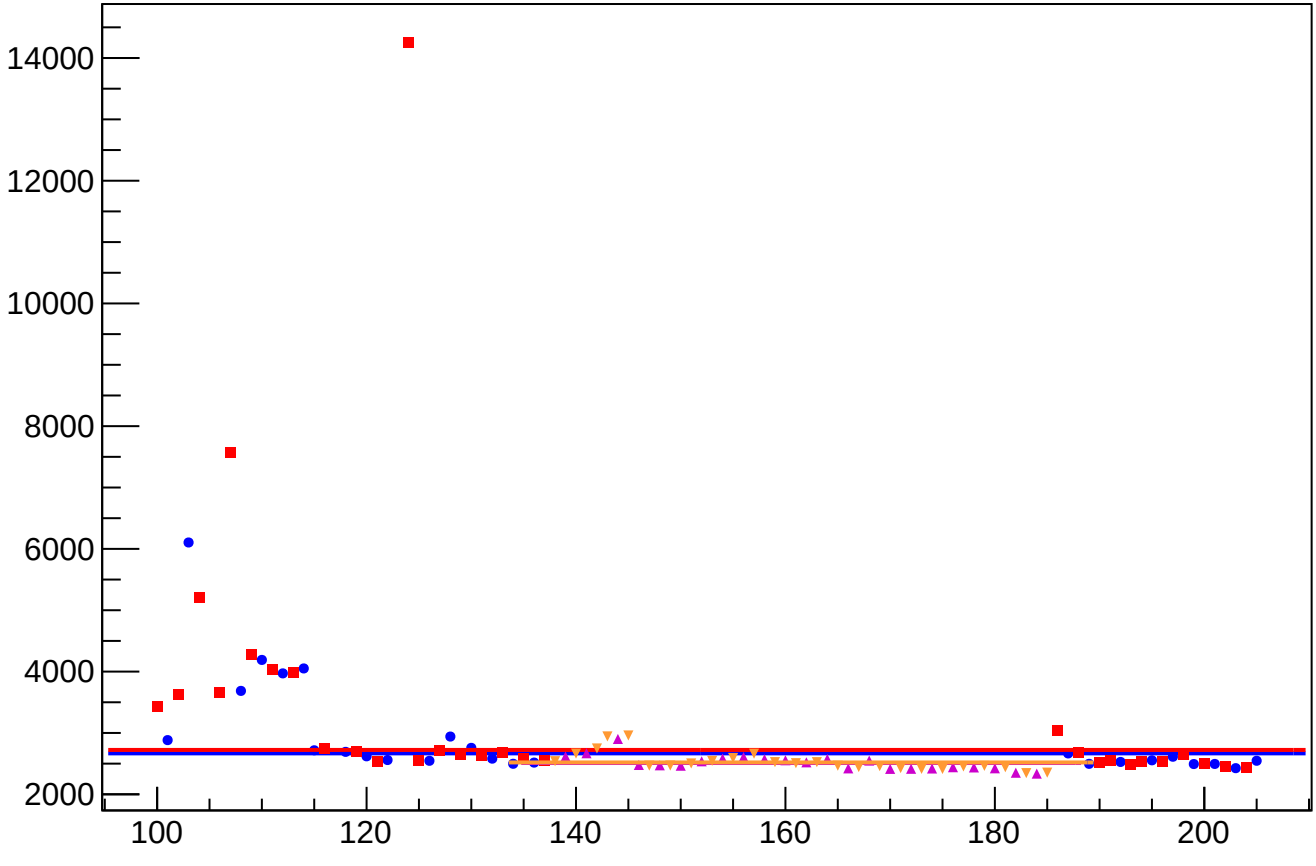
Right: 1846.713+/-504.909 χ^2/NDF: 50.2/54

In: 1643.113+/-454.880 χ^2/NDF:35.7/47

Out: 1293.808+/-445.564 χ^2/NDF:60.7/54

All: 1464.847+/-318.304 χ^2/NDF: 96.7/102

asym_atl1_rms vs Slug, Sign Corrected



Right In: 2667.239+/-0.509 χ^2/NDF: 759561.3/24

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2723.214+/-0.501 χ^2/NDF: 1203598.3/29

Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

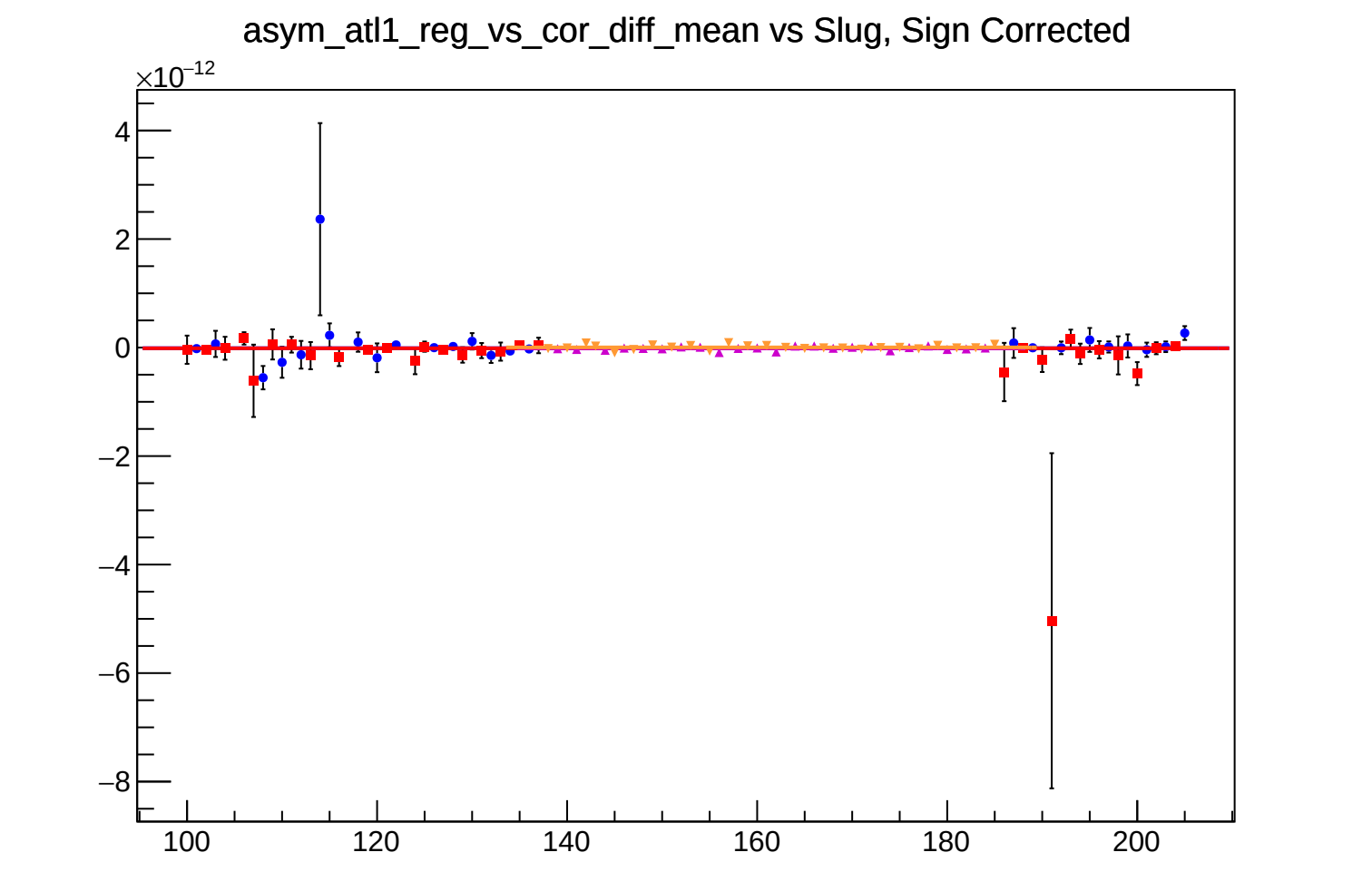
Left: 2514.945+/-0.290 χ^2/NDF: 189236.0/47

Right: 2695.696+/-0.357 χ^2/NDF: 1969303.0/54

In: 2572.835+/-0.322 χ^2/NDF:890526.6/47

Out: 2600.160+/-0.315 χ^2/NDF:1418774.8/54

All: 2586.780+/-0.225 χ^2/NDF: 2312984.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.1/29

Left In: -0.000+/-0.000 χ^2/NDF:32.3/22

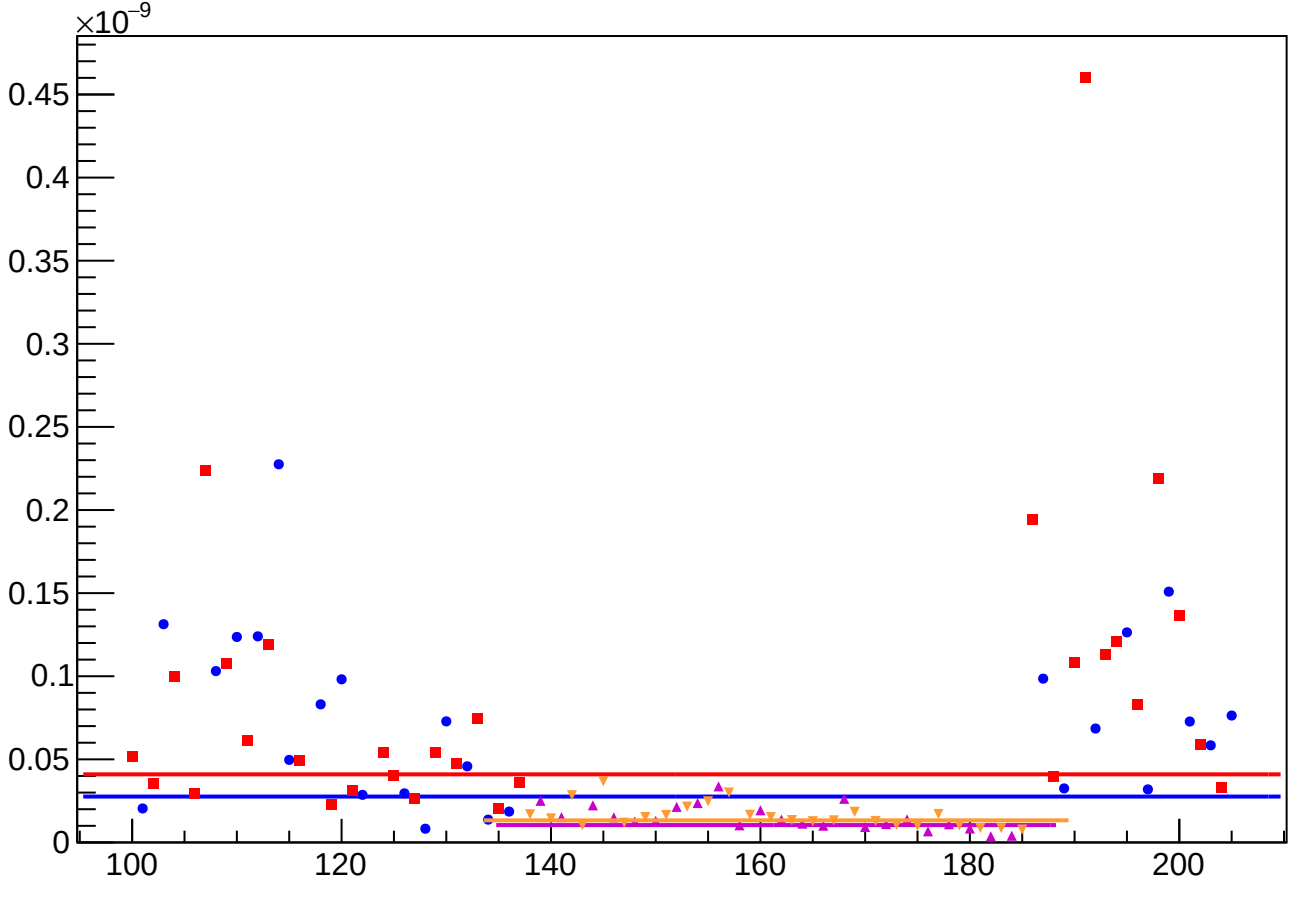
Left: -0.000+/-0.000 χ^2/NDF: 66.1/47

Right: -0.000+/-0.000 χ^2/NDF: 40.3/54

In: -0.000+/-0.000 χ^2/NDF:53.5/47

Out: 0.000+/-0.000 χ^2/NDF:48.5/54

All: -0.000+/-0.000 χ^2/NDF: 106.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 4739553.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3588343.8/29

Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

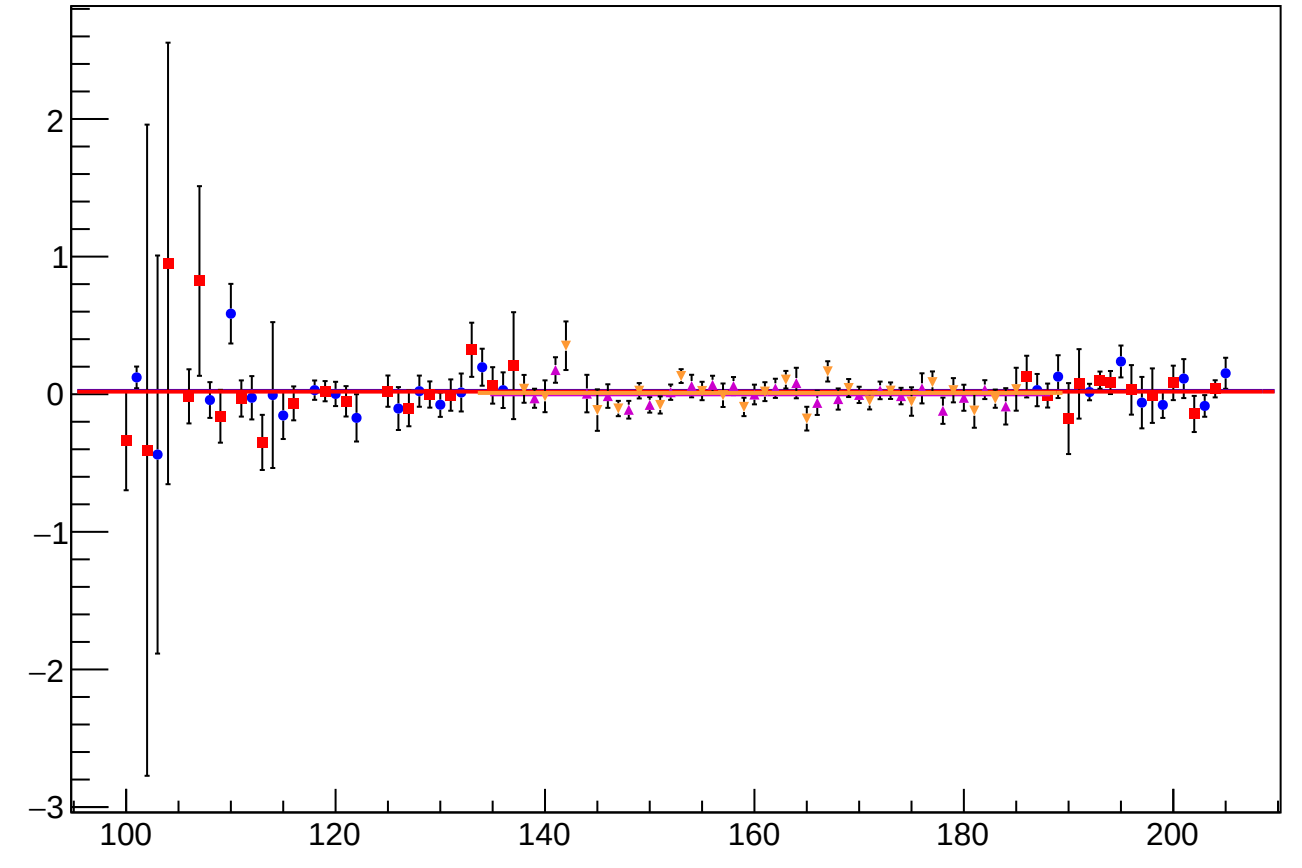
Left: 0.000+/-0.000 χ^2/NDF: 4603369.9/47

Right: 0.000+/-0.000 χ^2/NDF: 8872232.3/54

In: 0.000+/-0.000 χ^2/NDF:9726220.9/47

Out: 0.000+/-0.000 χ^2/NDF:8570312.6/54

All: 0.000+/-0.000 χ^2/NDF: 18713570.4/102



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

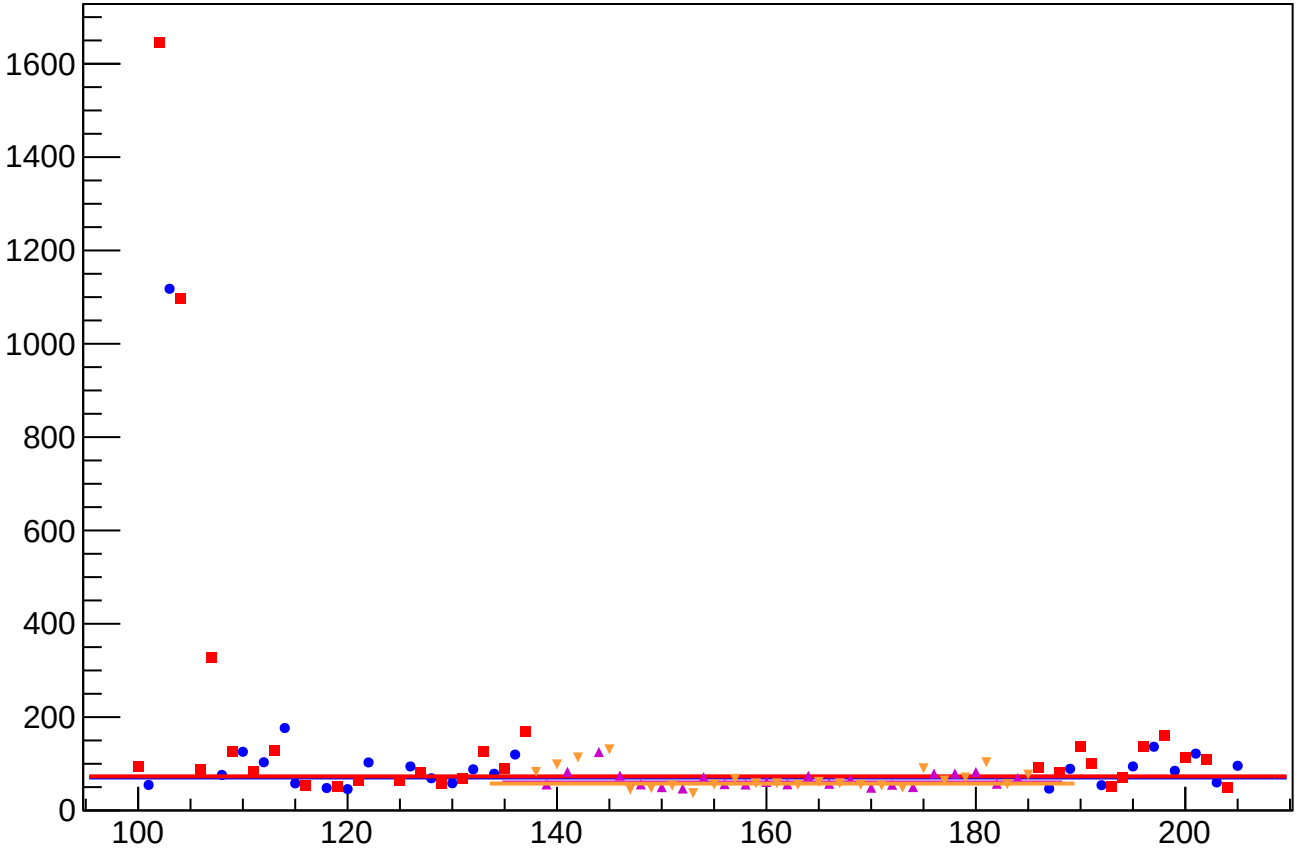
Right: 0.022+/-0.016 χ^2/NDF: 41.0/53

In: 0.007+/-0.013 χ^2/NDF:40.1/47

Out: 0.012+/-0.013 χ^2/NDF:52.2/52

All: 0.010+/-0.009 χ^2/NDF: 92.3/100

asym_atl1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.662+/-0.016 χ^2/NDF: 3326891.2/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.045+/-0.016 χ^2/NDF: 4664608.7/28

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

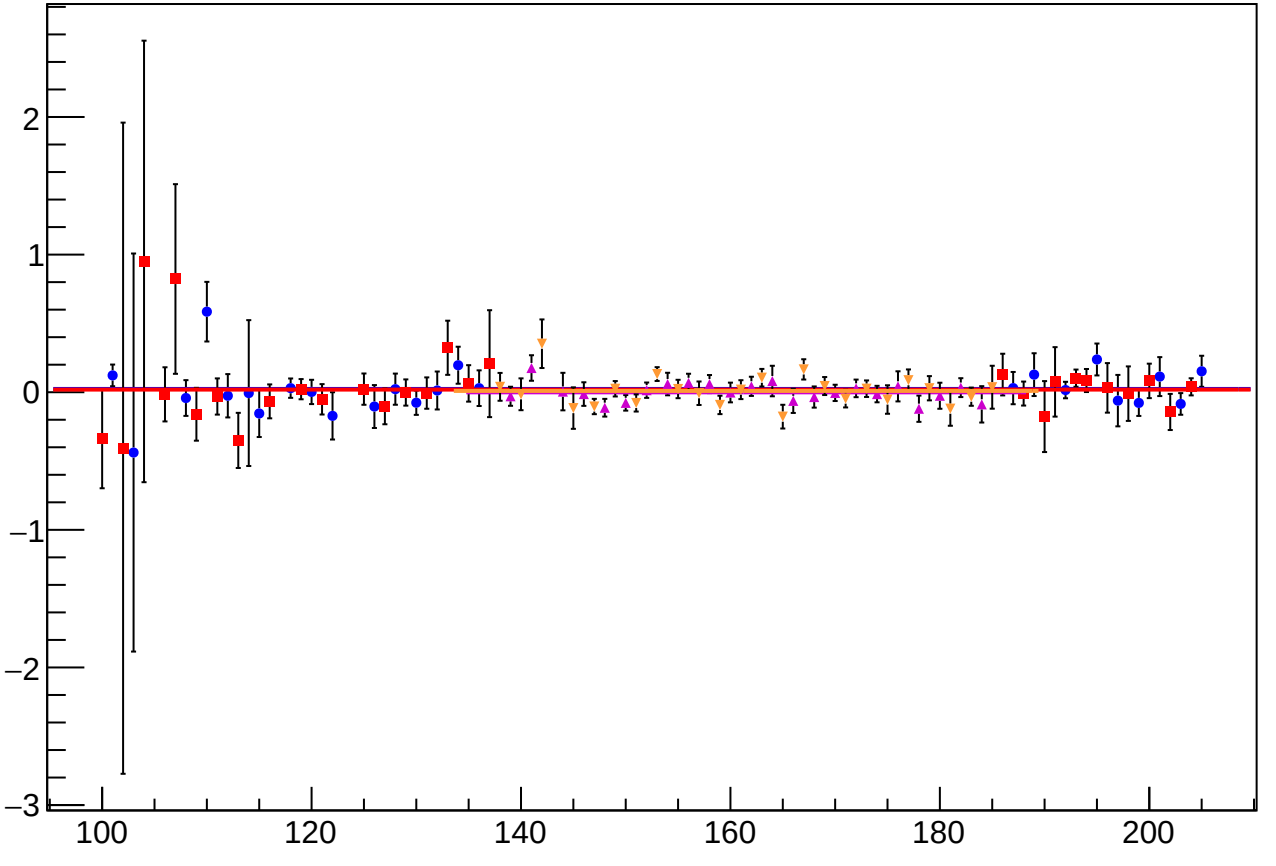
Right: 71.834+/-0.011 χ^2/NDF: 8002664.1/53

In: 63.340+/-0.009 χ^2/NDF:4984629.8/47

Out: 62.334+/-0.009 χ^2/NDF:7517453.6/52

All: 62.831+/-0.006 χ^2/NDF: 12508394.4/100

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

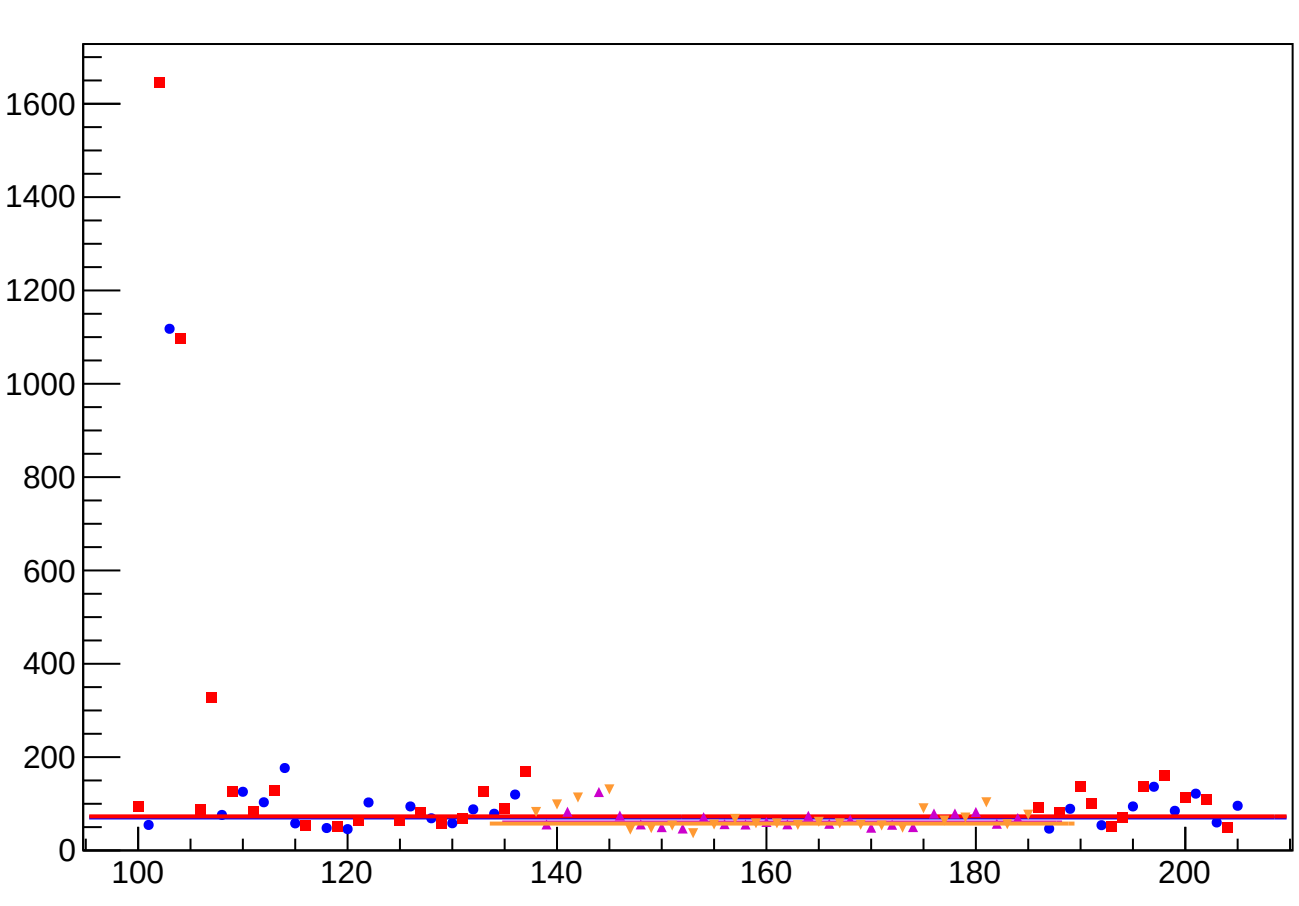
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.022+/-0.016 χ^2/NDF: 41.0/53

In: 0.007+/-0.013 χ^2/NDF:40.1/47

Out: 0.012+/-0.013 χ^2/NDF:52.2/52

All: 0.010+/-0.009 χ^2/NDF: 92.3/100



Right In: 70.662+/-0.016 χ^2/NDF: 3326891.2/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 73.045+/-0.016 χ^2/NDF: 4664608.7/28

Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

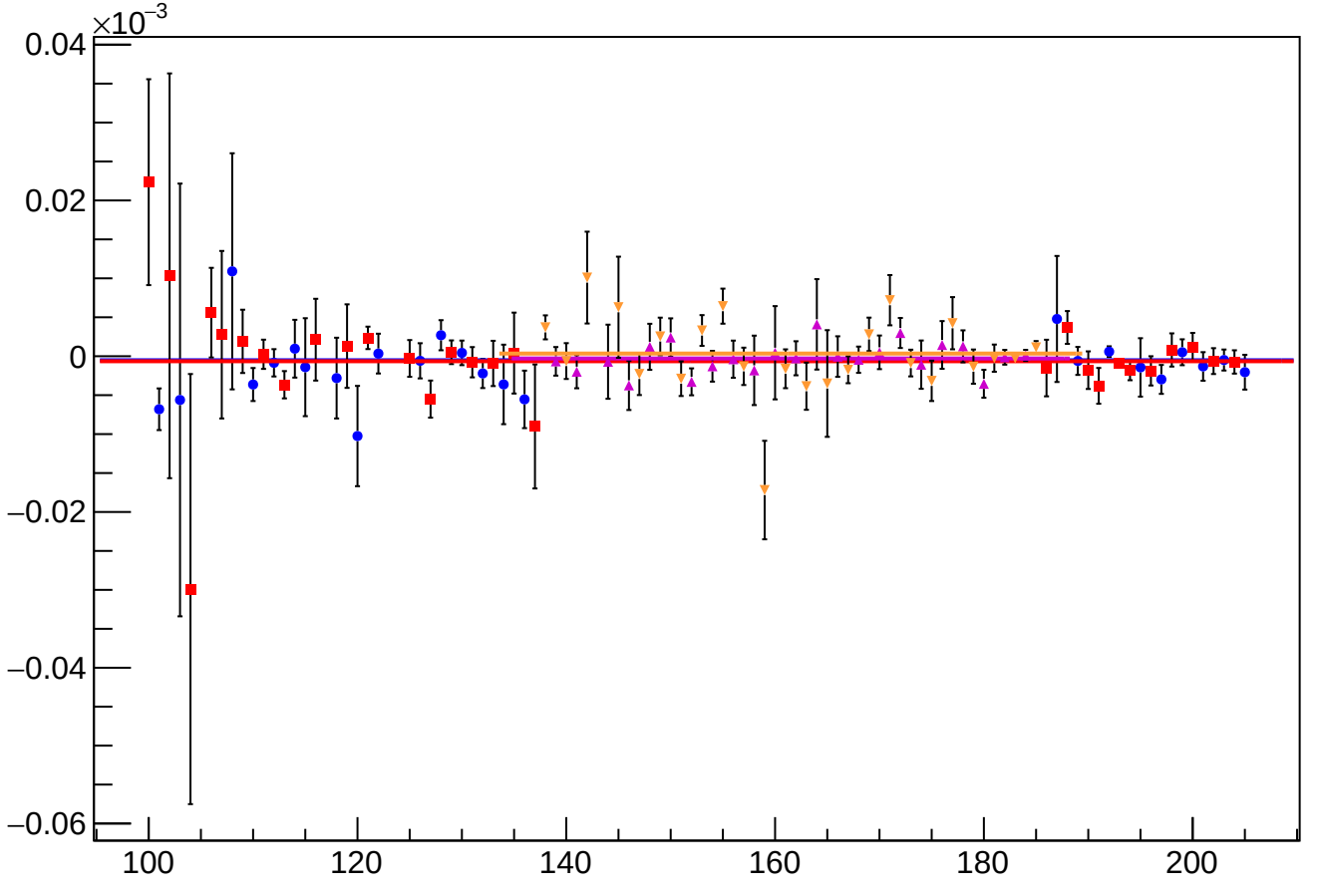
Left: 58.689+/-0.008 χ^2/NDF: 3574922.2/46

Right: 71.834+/-0.011 χ^2/NDF: 8002664.1/53

In: 63.340+/-0.009 χ^2/NDF:4984629.8/47

Out: 62.334+/-0.009 χ^2/NDF:7517453.6/52

All: 62.831+/-0.006 χ^2/NDF: 12508394.4/100



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/28

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

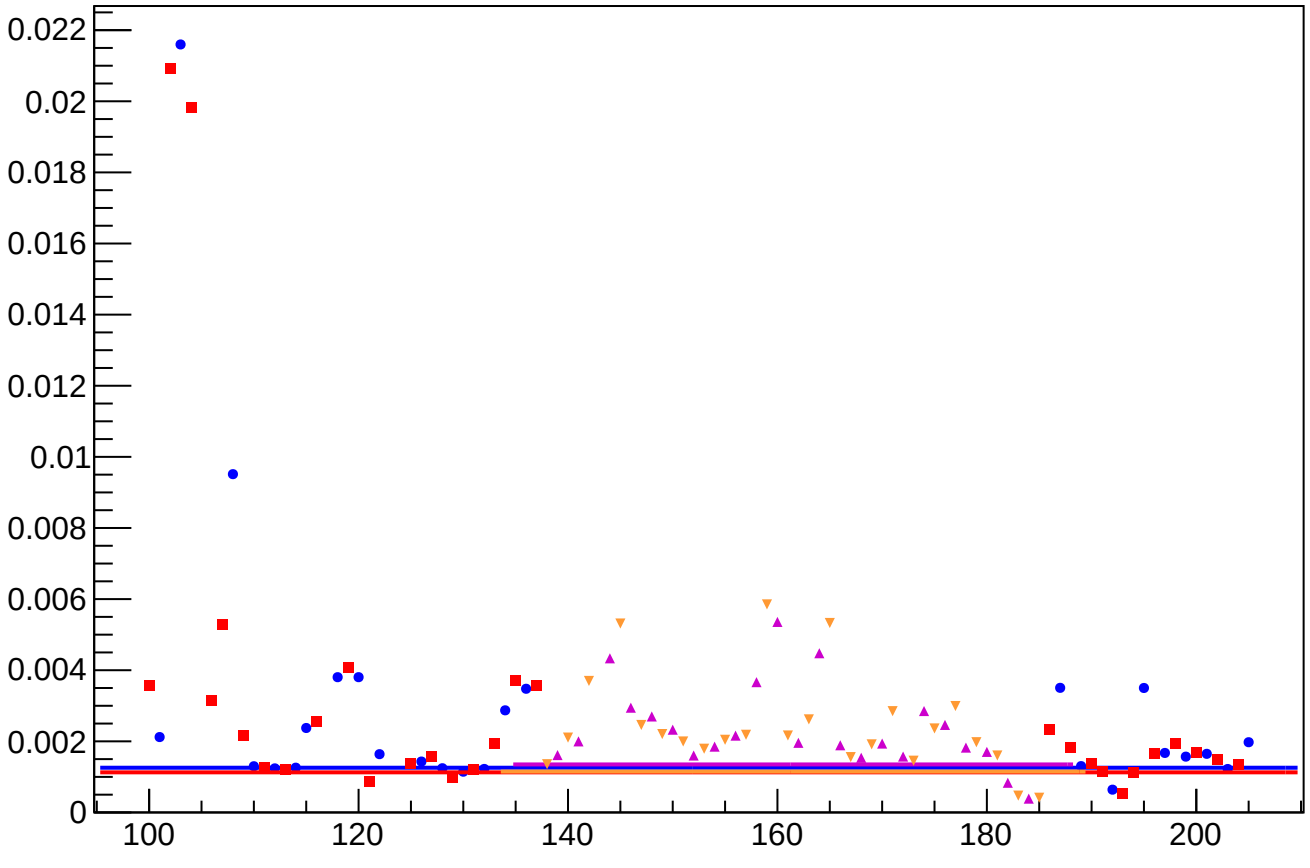
Left: 0.000+/-0.000 χ^2/NDF: 63.2/46

Right: -0.000+/-0.000 χ^2/NDF: 52.6/53

In: -0.000+/-0.000 χ^2/NDF:38.2/47

Out: -0.000+/-0.000 χ^2/NDF:80.2/52

All: -0.000+/-0.000 χ^2/NDF: 118.9/100



Right In: 0.001+/-0.000 χ^2/NDF: 6683421.1/24

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 7823628.8/28

Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

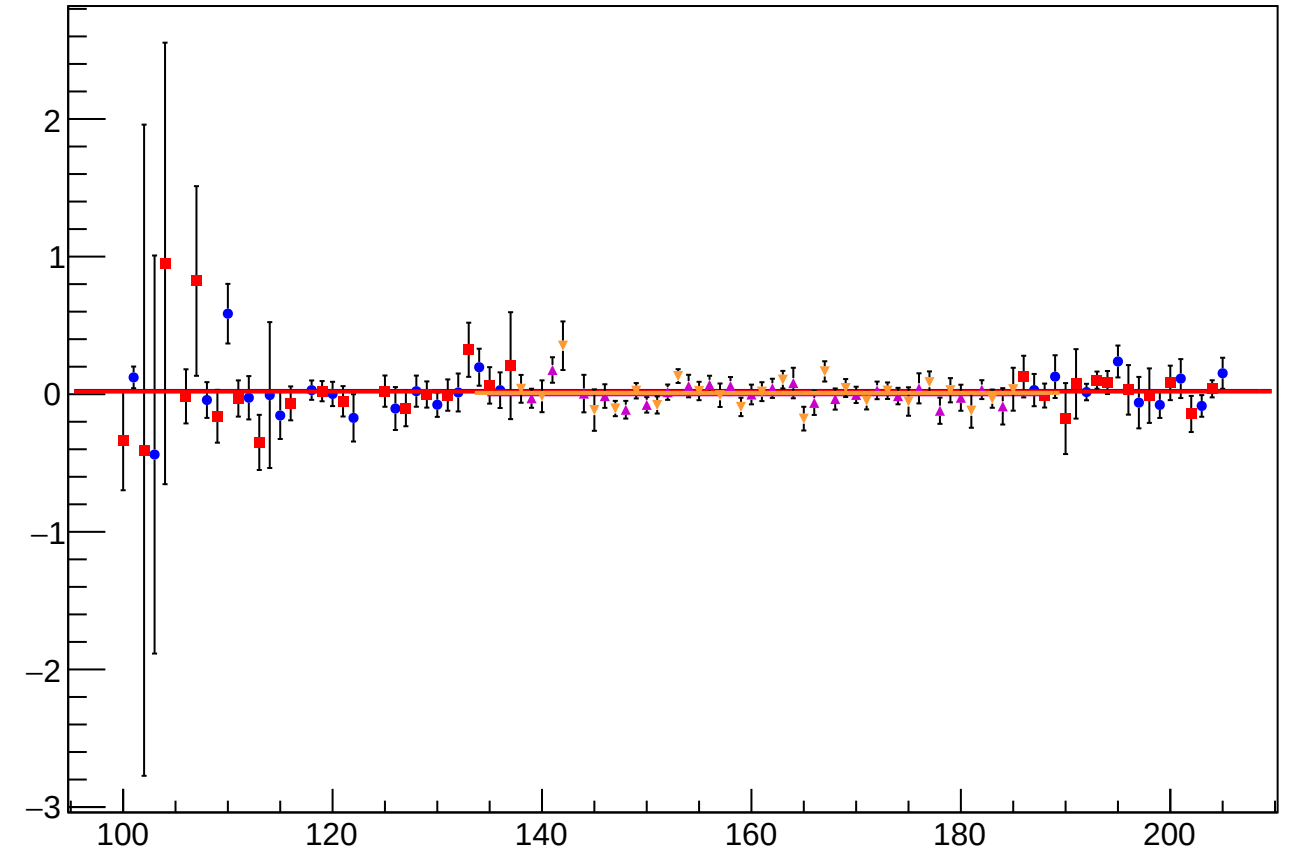
Left: 0.001+/-0.000 χ^2/NDF: 23793610.5/46

Right: 0.001+/-0.000 χ^2/NDF: 14629064.4/53

In: 0.001+/-0.000 χ^2/NDF:16987505.4/47

Out: 0.001+/-0.000 χ^2/NDF:21070029.5/52

All: 0.001+/-0.000 χ^2/NDF: 38465993.8/100



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

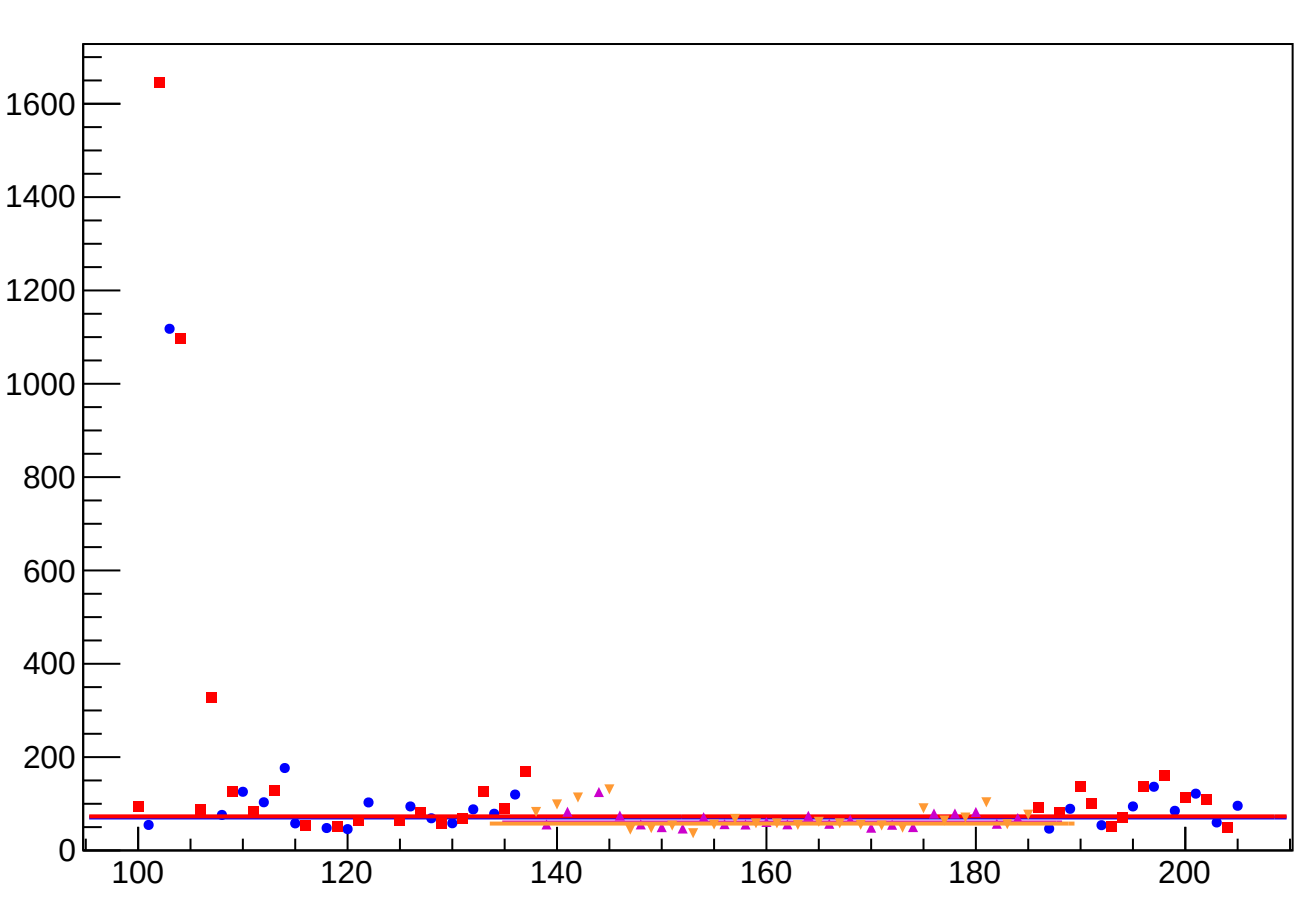
Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

Right: 0.022+/-0.016 χ^2/NDF: 41.0/53

In: 0.007+/-0.013 χ^2/NDF:40.1/47

Out: 0.012+/-0.013 χ^2/NDF:52.2/52

All: 0.010+/-0.009 χ^2/NDF: 92.3/100



Right In: 70.661+/-0.016 χ^2/NDF: 3327027.8/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.044+/-0.016 χ^2/NDF: 4664649.9/28

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

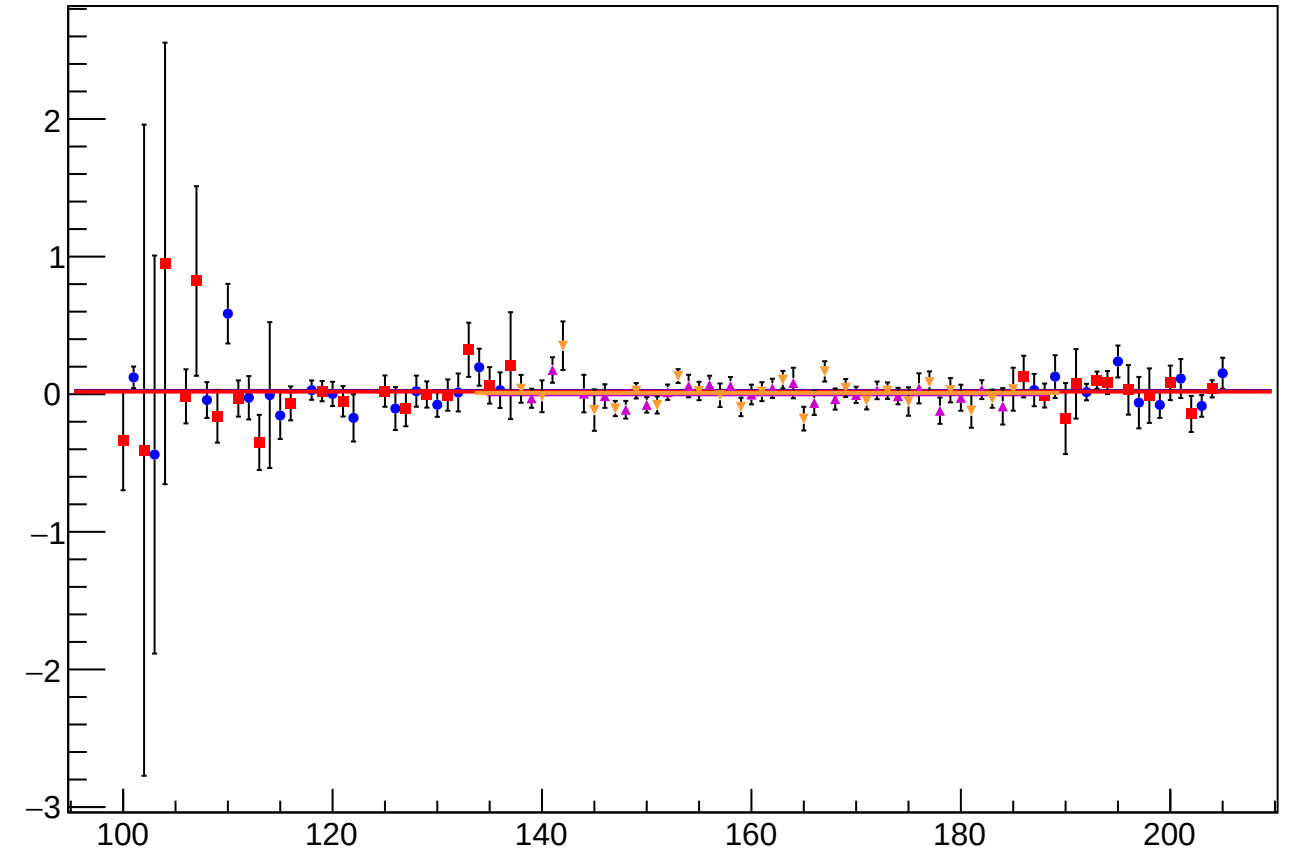
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.833+/-0.011 χ^2/NDF: 8002843.4/53

In: 63.340+/-0.009 χ^2/NDF:4984704.8/47

Out: 62.334+/-0.009 χ^2/NDF:7517531.7/52

All: 62.831+/-0.006 χ^2/NDF: 12508548.0/100



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.019+/-0.023 χ^2/NDF: 17.4/28

Left In: -0.001+/-0.015 χ^2/NDF:15.6/22

Left: 0.004+/-0.011 χ^2/NDF: 50.5/46

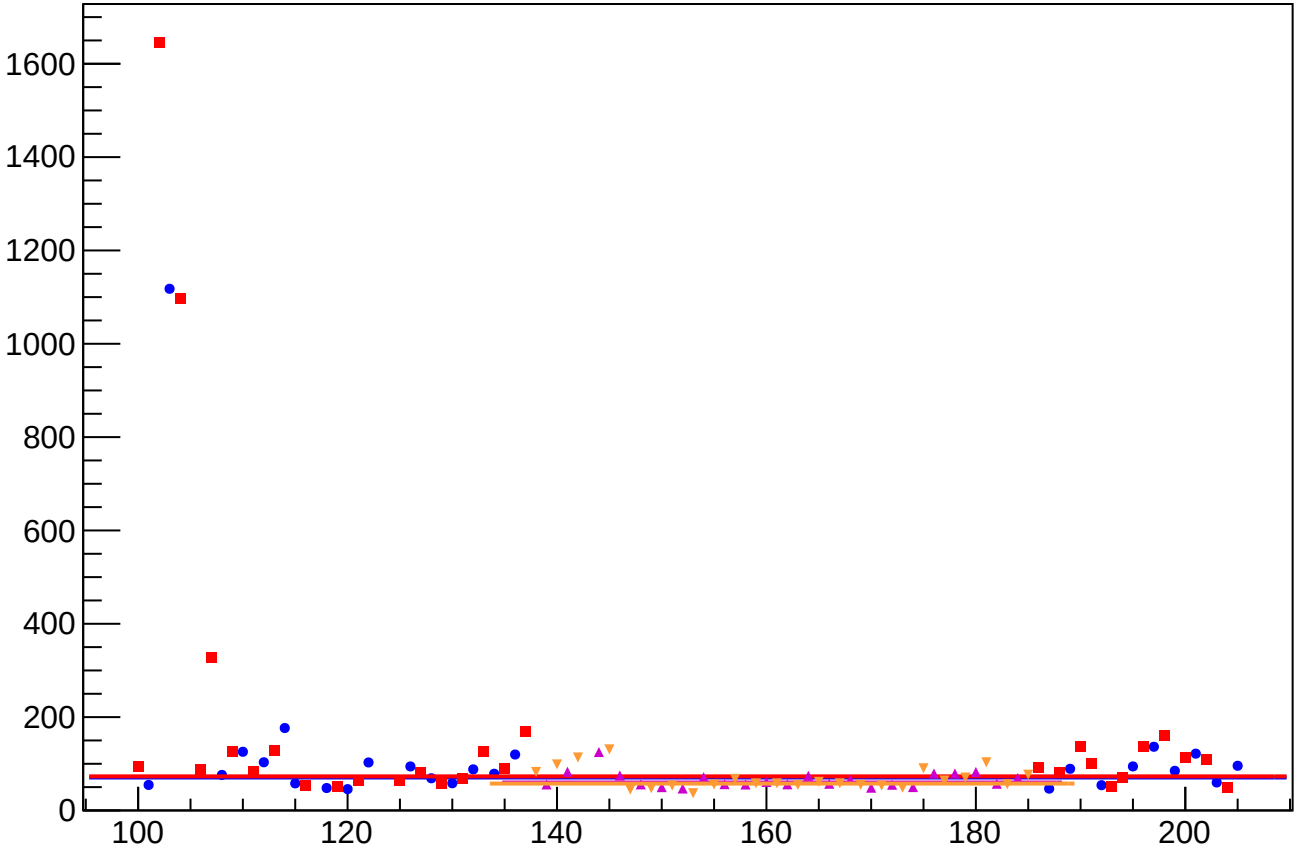
Right: 0.022+/-0.016 χ^2/NDF: 41.0/53

In: 0.007+/-0.013 χ^2/NDF:40.1/47

Out: 0.012+/-0.013 χ^2/NDF:52.2/52

All: 0.010+/-0.009 χ^2/NDF: 92.3/100

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 70.661+/-0.016 χ^2/NDF: 3327027.8/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 73.044+/-0.016 χ^2/NDF: 4664649.9/28

Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

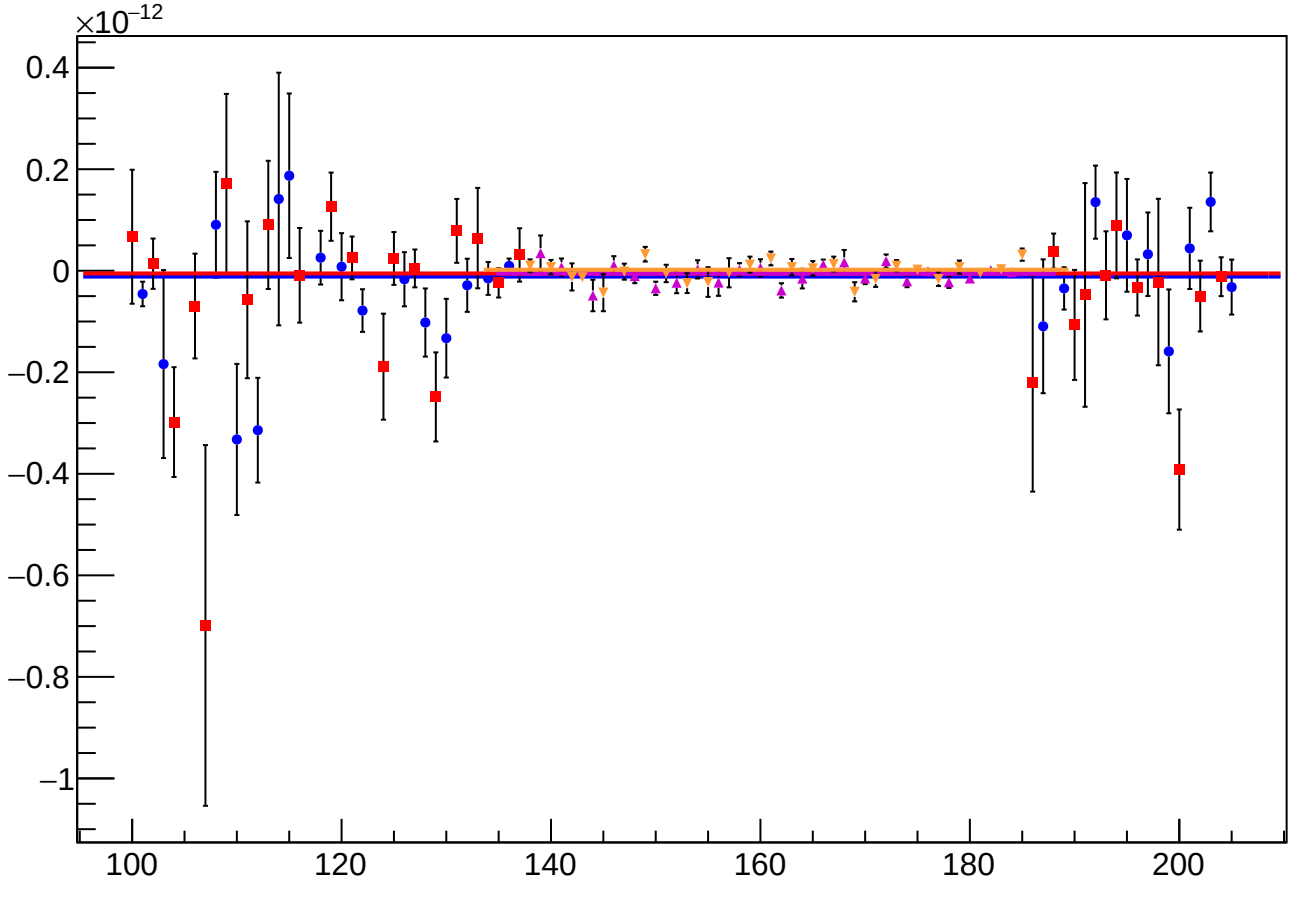
Left: 58.689+/-0.008 χ^2/NDF: 3574984.0/46

Right: 71.833+/-0.011 χ^2/NDF: 8002843.4/53

In: 63.340+/-0.009 χ^2/NDF:4984704.8/47

Out: 62.334+/-0.009 χ^2/NDF:7517531.7/52

All: 62.831+/-0.006 χ^2/NDF: 12508548.0/100



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.1/29

Left In: -0.000+/-0.000 χ^2/NDF:32.6/22

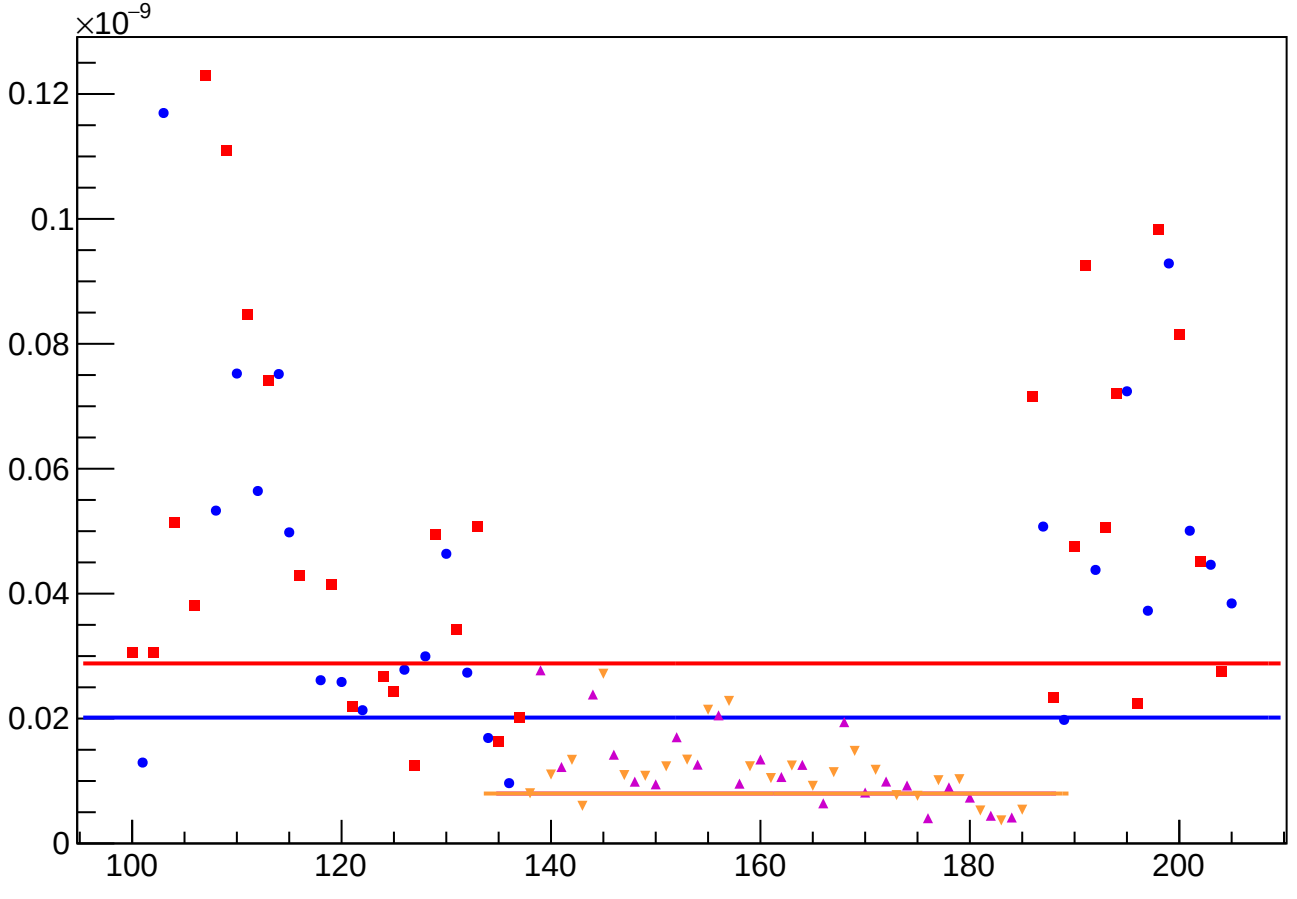
Left: -0.000+/-0.000 χ^2/NDF: 69.4/47

Right: -0.000+/-0.000 χ^2/NDF: 91.2/54

In: -0.000+/-0.000 χ^2/NDF:75.9/47

Out: 0.000+/-0.000 χ^2/NDF:80.3/54

All: -0.000+/-0.000 χ^2/NDF: 161.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 5509268.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4133790.2/29

Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

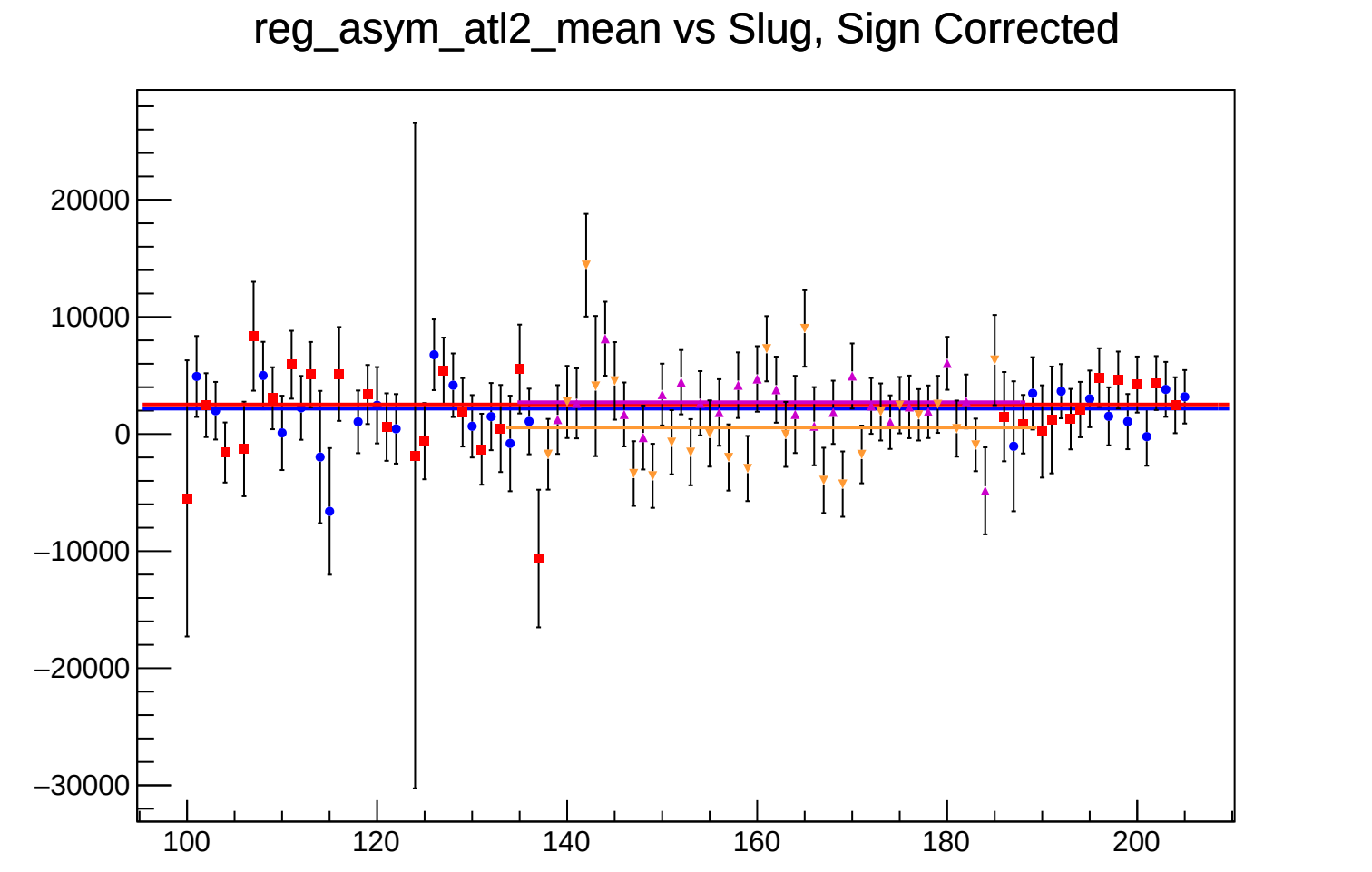
Left: 0.000+/-0.000 χ^2/NDF: 10076343.4/47

Right: 0.000+/-0.000 χ^2/NDF: 10331858.2/54

In: 0.000+/-0.000 χ^2/NDF:13978437.9/47

Out: 0.000+/-0.000 χ^2/NDF:15197355.1/54

All: 0.000+/-0.000 χ^2/NDF: 29175923.5/102



Right In: 2169.234+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: 2522.370+/-551.591 χ^2/NDF: 22.2/29

Left In: 2716.200+/-566.202 χ^2/NDF:14.3/22

Left: 1622.262+/-397.186 χ^2/NDF: 65.6/47

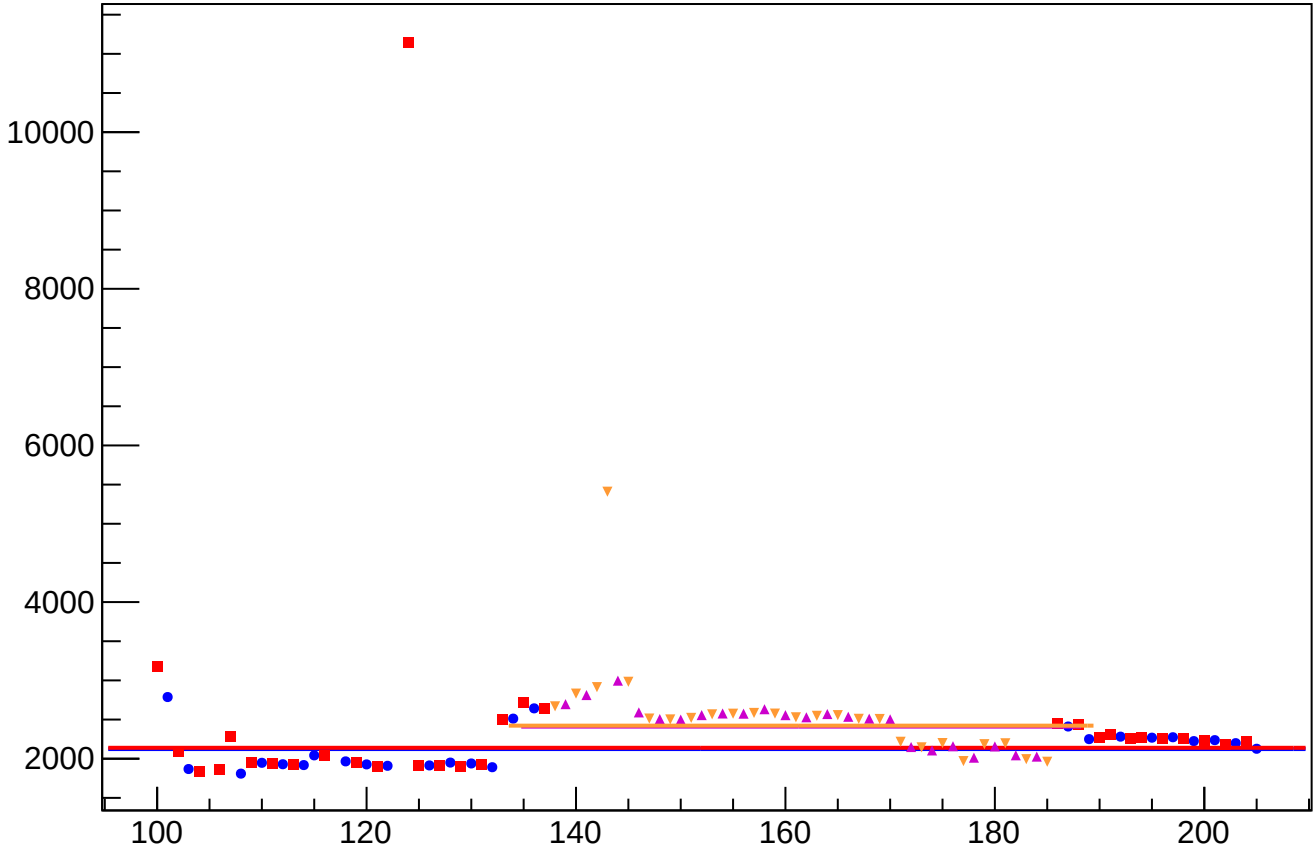
Right: 2351.397+/-396.165 χ^2/NDF: 35.0/54

In: 2444.236+/-401.476 χ^2/NDF:27.3/47

Out: 1552.499+/-392.042 χ^2/NDF:72.4/54

All: 1987.768+/-280.492 χ^2/NDF: 102.3/102

reg_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.1/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.417+/-0.390 χ^2/NDF: 512815.5/29

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

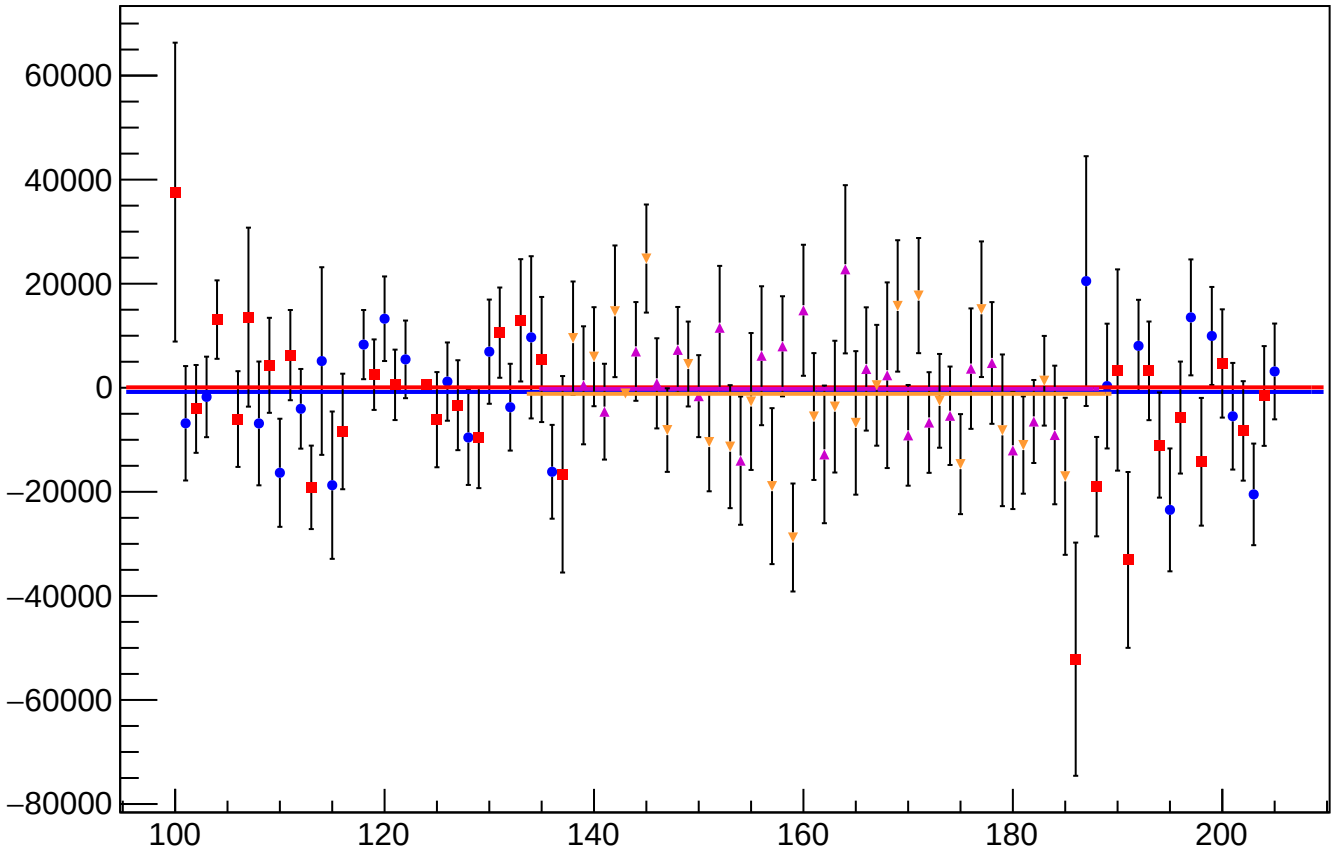
Left: 2416.083+/-0.281 χ^2/NDF: 1381704.0/47

Right: 2131.638+/-0.280 χ^2/NDF: 846528.3/54

In: 2267.380+/-0.284 χ^2/NDF:1015820.4/47

Out: 2279.325+/-0.277 χ^2/NDF:1725697.9/54

All: 2273.494+/-0.198 χ^2/NDF: 2742424.7/10



Right In: -806.666+/-1916.098 χ^2/NDF: 28.2/24

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: 80.636+/-749.421 χ^2/NDF: 36.0/29

Left In: -209.655+/-2195.058 χ^2/NDF:13.4/22

Left: -1057.201+/-716.312 χ^2/NDF: 45.5/47

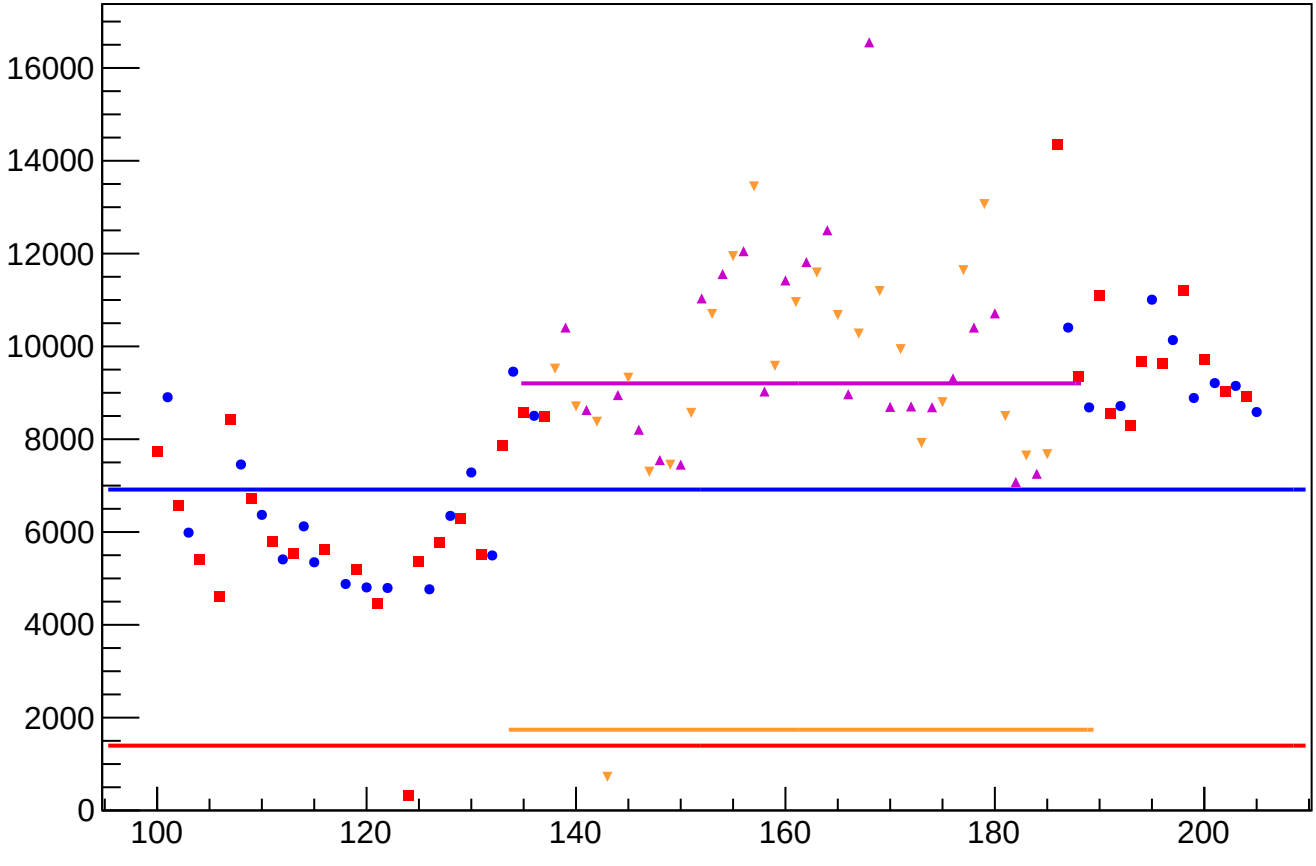
Right: -37.089+/-697.937 χ^2/NDF: 64.4/54

In: -548.485+/-1443.501 χ^2/NDF:41.7/47

Out: -531.905+/-532.857 χ^2/NDF:69.3/54

All: -533.893+/-499.886 χ^2/NDF: 111.0/102

asym_atl2_reg_correction_rms vs Slug, Sign Corrected



Right In: 6915.259+/-1.355 χ^2/NDF: 1974466.3/24

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1396.593+/-0.530 χ^2/NDF: 23545588.5/29

Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

Left: 2534.547+/-0.507 χ^2/NDF: 49668848.5/47

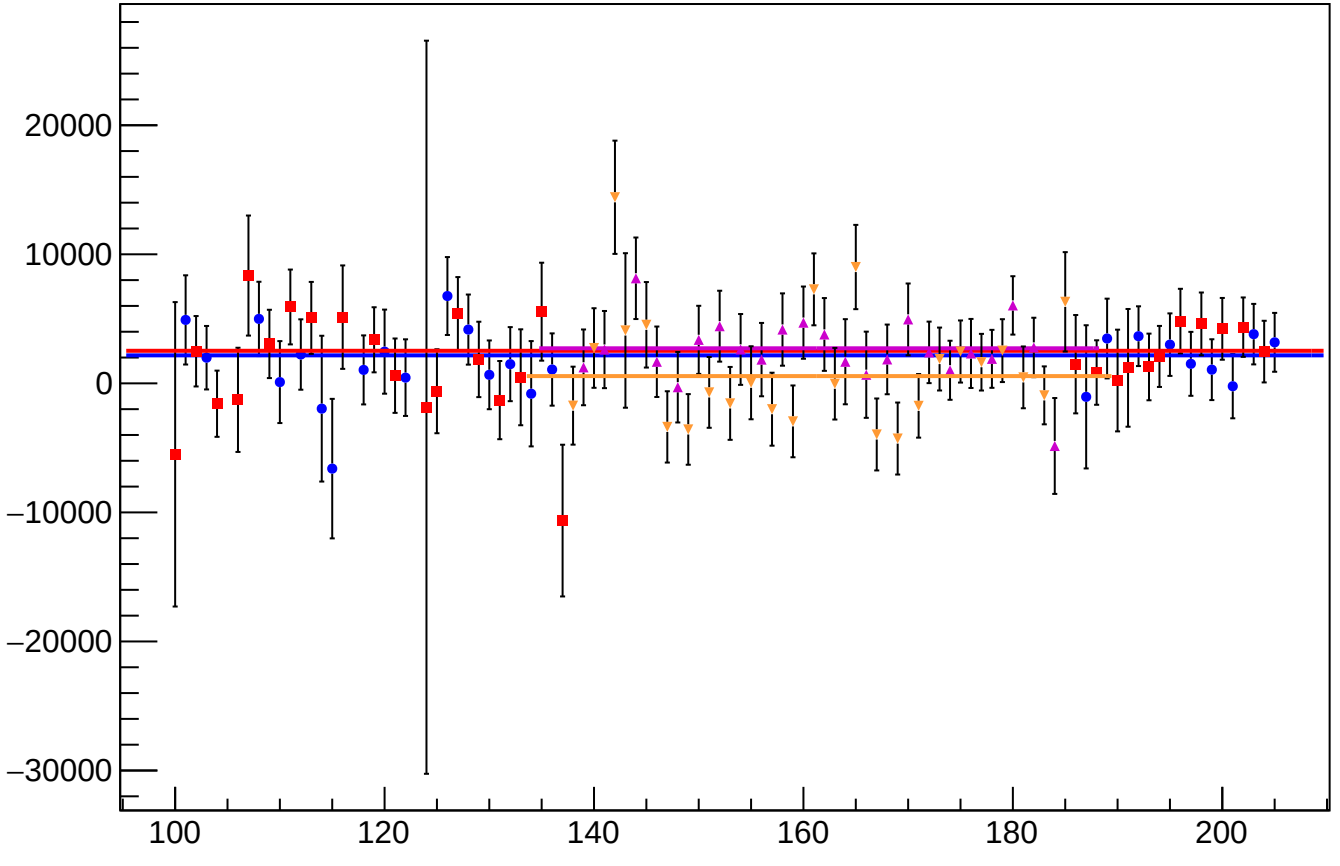
Right: 2128.796+/-0.494 χ^2/NDF: 39909486.3/54

In: 7904.935+/-1.021 χ^2/NDF:4480315.4/47

Out: 1566.236+/-0.377 χ^2/NDF:51486902.9/54

All: 2326.400+/-0.353 χ^2/NDF: 89907531.5/1

cor_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2169.214+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: 2523.348+/-551.594 χ^2/NDF: 22.2/29

Left In: 2716.163+/-566.202 χ^2/NDF:14.3/22

Left: 1622.245+/-397.186 χ^2/NDF: 65.6/47

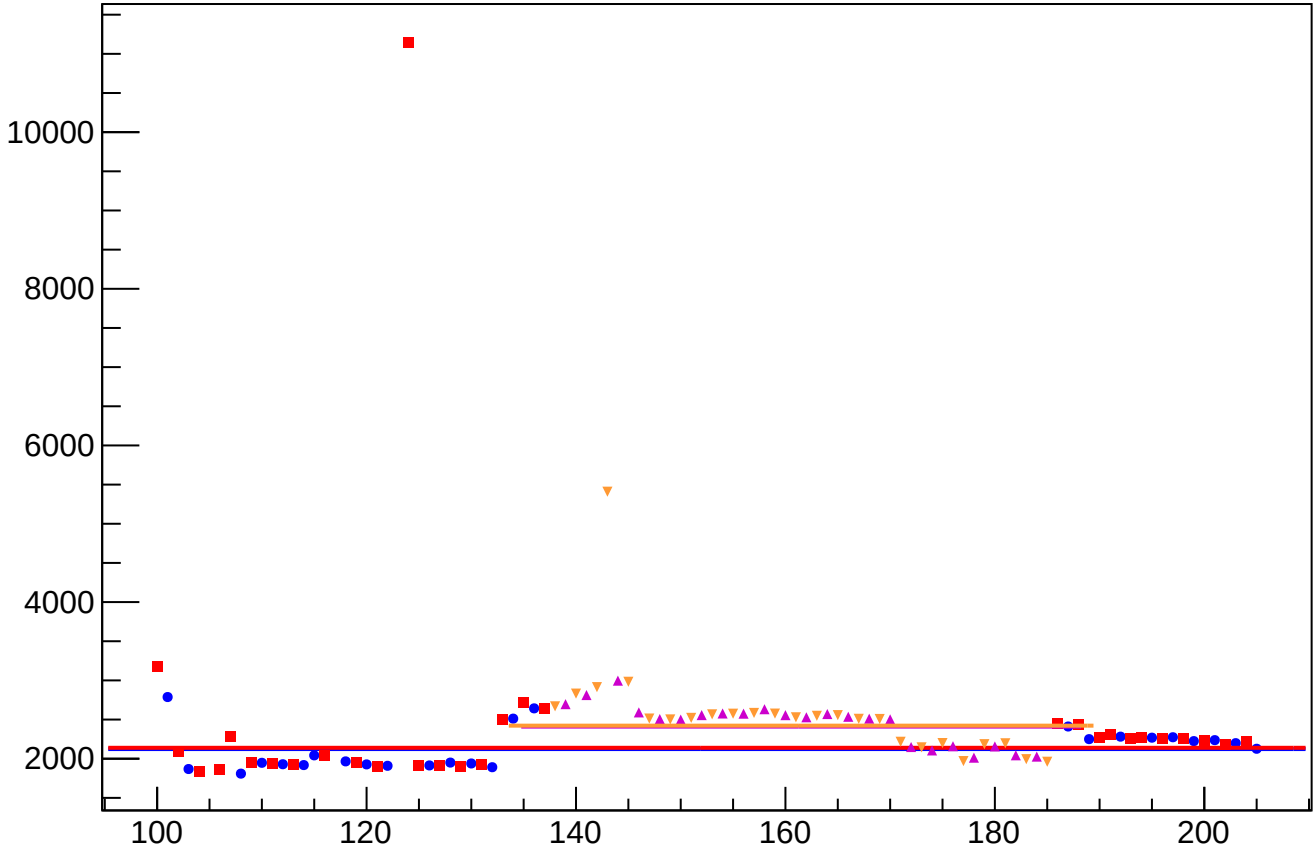
Right: 2351.891+/-396.167 χ^2/NDF: 35.0/54

In: 2444.207+/-401.476 χ^2/NDF:27.3/47

Out: 1552.988+/-392.043 χ^2/NDF:72.4/54

All: 1988.006+/-280.492 χ^2/NDF: 102.3/102

cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.0/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.430+/-0.390 χ^2/NDF: 512808.4/29

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

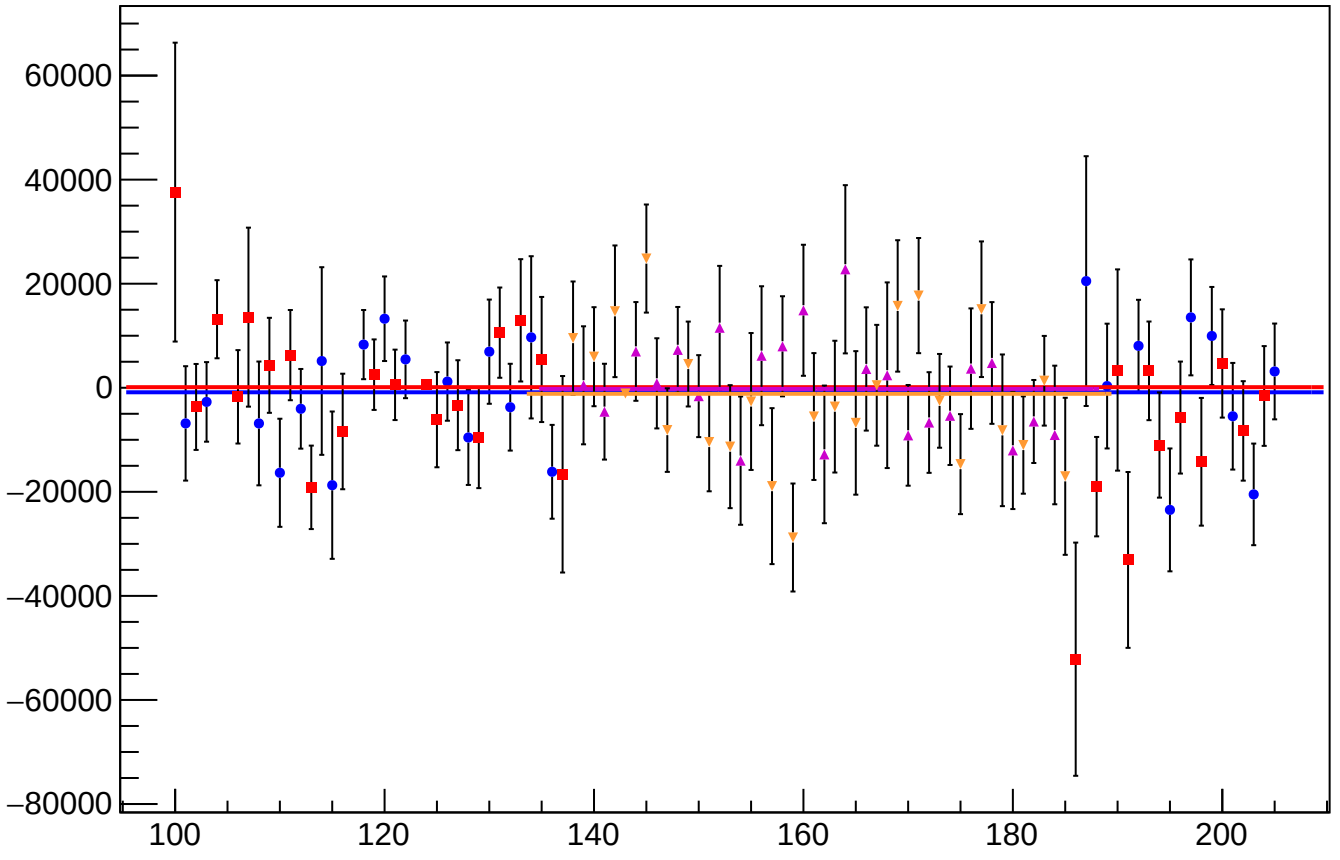
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2131.644+/-0.280 χ^2/NDF: 846522.5/54

In: 2267.380+/-0.284 χ^2/NDF:1015820.5/47

Out: 2279.332+/-0.277 χ^2/NDF:1725666.2/54

All: 2273.498+/-0.198 χ^2/NDF: 2742394.0/10



Right In: -868.776+/-1914.698 χ^2/NDF: 28.3/24

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 112.682+/-749.106 χ^2/NDF: 35.6/29

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

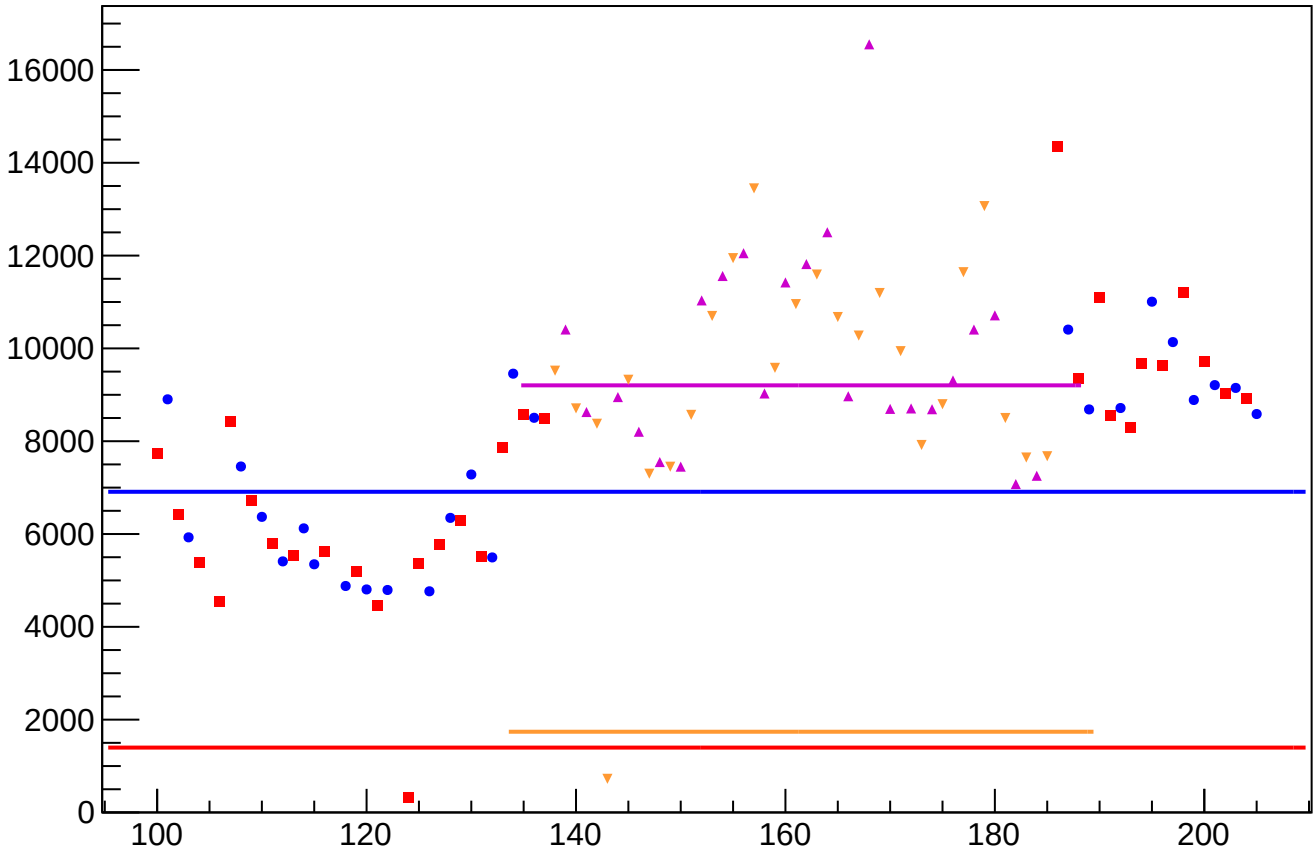
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: -17.606+/-697.615 χ^2/NDF: 64.2/54

In: -583.904+/-1442.902 χ^2/NDF:41.7/47

Out: -515.372+/-532.722 χ^2/NDF:69.0/54

All: -523.593+/-499.749 χ^2/NDF: 110.7/102



Right In: 6910.211+/-1.354 χ^2/NDF: 1978866.4/24

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1397.890+/-0.530 χ^2/NDF: 23537417.3/29

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

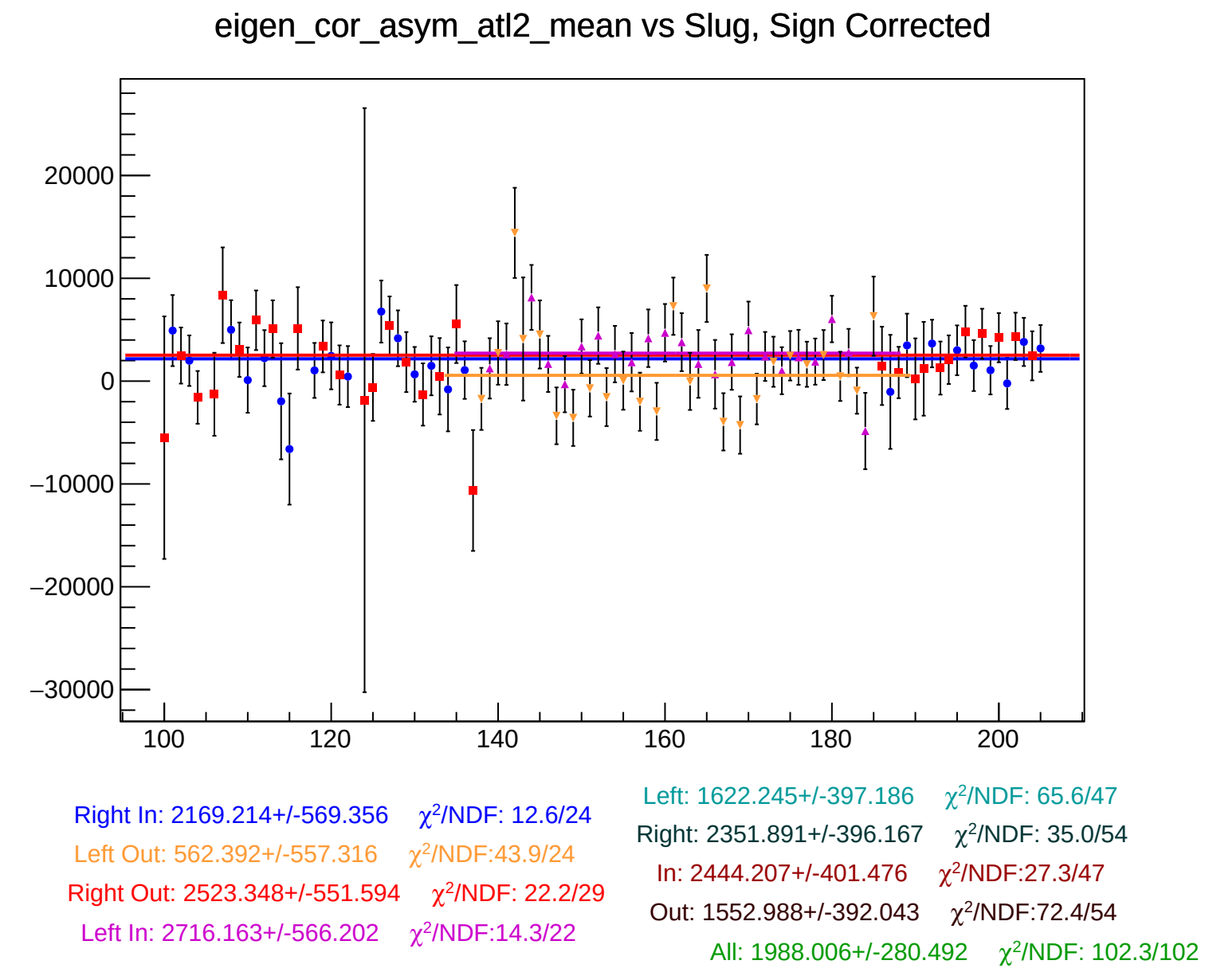
Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

Right: 2129.644+/-0.493 χ^2/NDF: 39892455.6/54

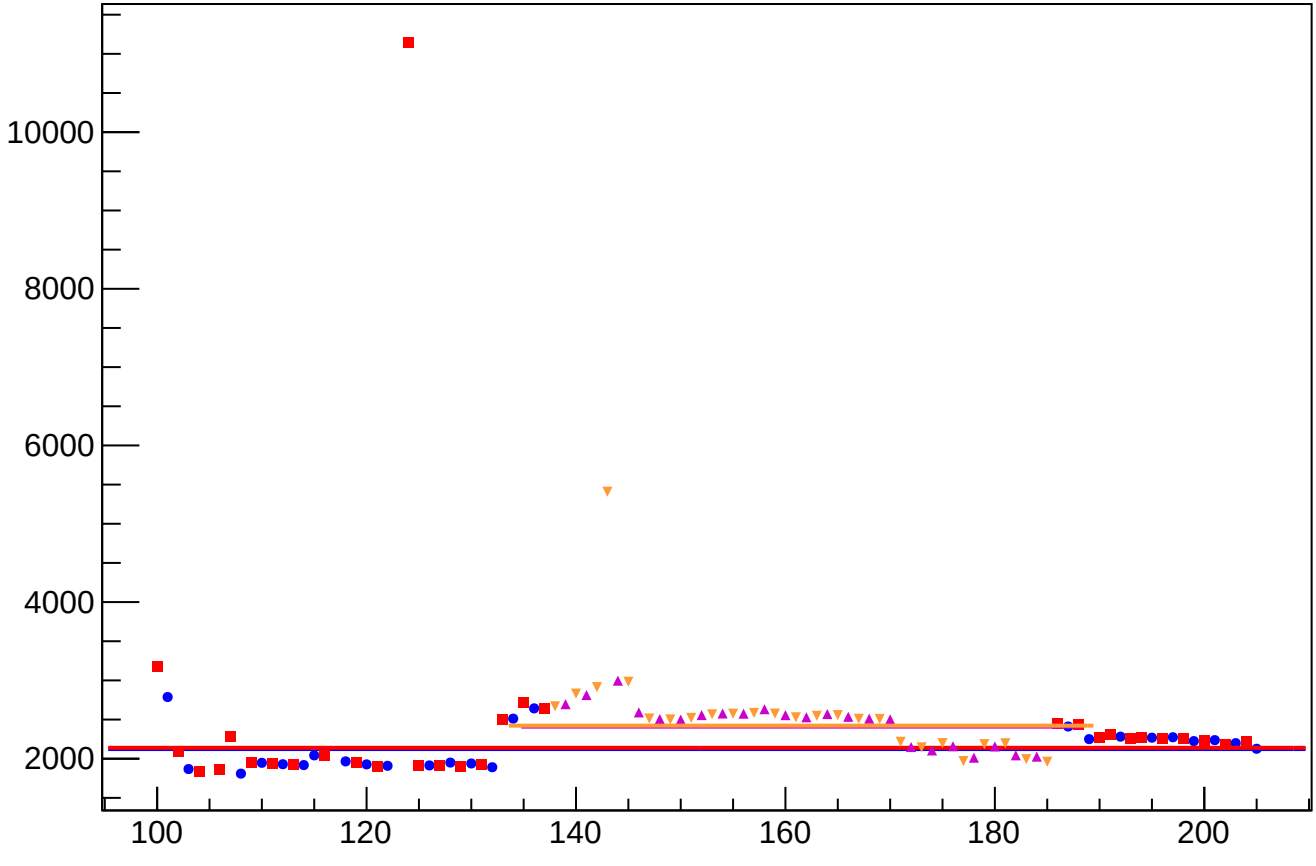
In: 7901.244+/-1.020 χ^2/NDF:4490946.1/47

Out: 1566.718+/-0.377 χ^2/NDF:51478035.0/54

All: 2326.597+/-0.353 χ^2/NDF: 89891466.6/1


eigen_cor_asym_atl2_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 2169.214+/-569.356 χ²/NDF: 12.6/24
Left Out: 562.392+/-557.316 χ²/NDF:43.9/24
Right Out: 2523.348+/-551.594 χ²/NDF: 22.2/29
Left In: 2716.163+/-566.202 χ²/NDF:14.3/22
Left: 1622.245+/-397.186 χ²/NDF: 65.6/47
Right: 2351.891+/-396.167 χ²/NDF: 35.0/54
In: 2444.207+/-401.476 χ²/NDF:27.3/47
Out: 1552.988+/-392.043 χ²/NDF:72.4/54
All: 1988.006+/-280.492 χ²/NDF: 102.3/102

eigen_cor_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.0/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2139.430+/-0.390 χ^2/NDF: 512808.4/29

Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

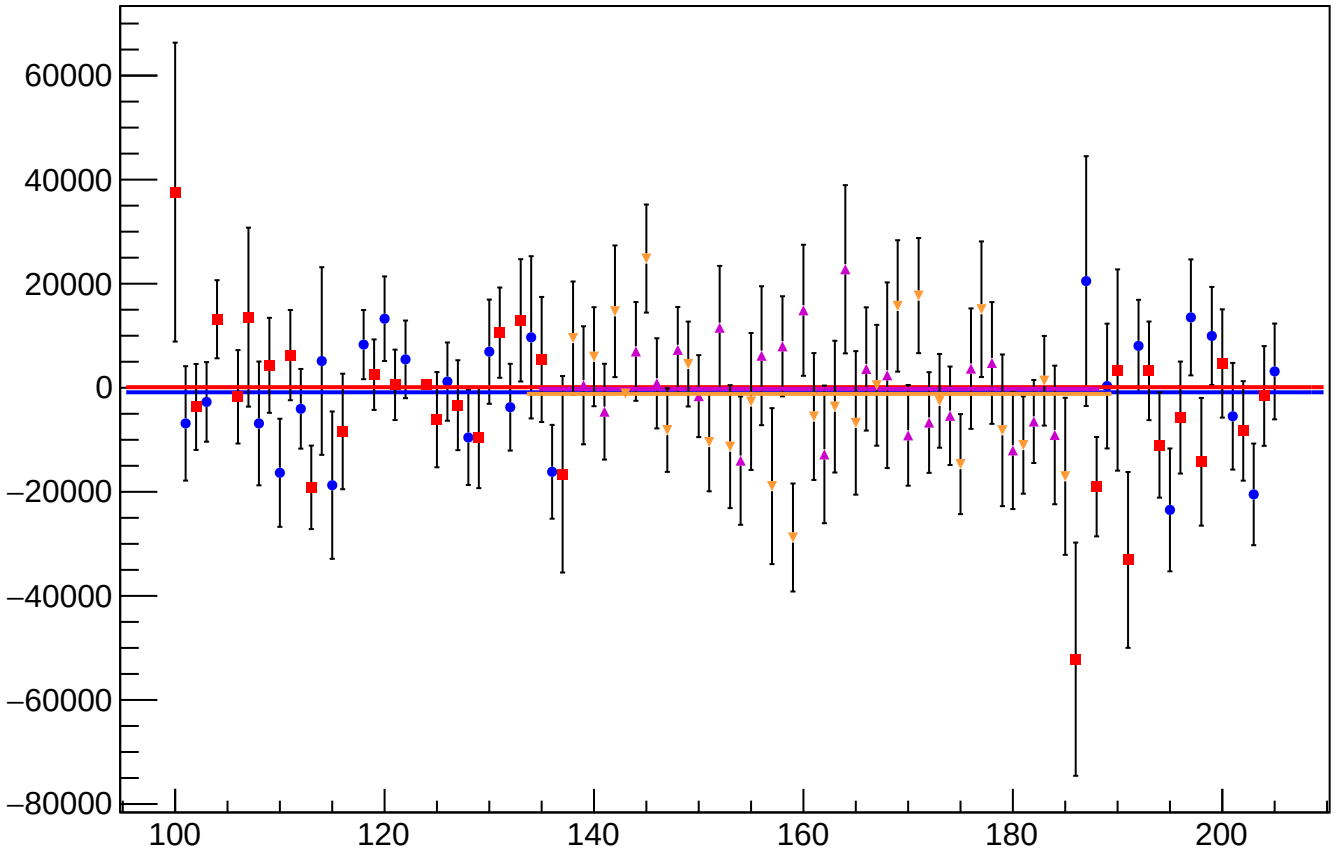
Left: 2416.083+/-0.281 χ^2/NDF: 1381703.9/47

Right: 2131.644+/-0.280 χ^2/NDF: 846522.5/54

In: 2267.380+/-0.284 χ^2/NDF:1015820.5/47

Out: 2279.332+/-0.277 χ^2/NDF:1725666.2/54

All: 2273.498+/-0.198 χ^2/NDF: 2742394.0/10



Right In: -868.776+/-1914.698 χ^2/NDF: 28.3/24

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 112.682+/-749.106 χ^2/NDF: 35.6/29

Left In: -209.500+/-2195.055 χ^2/NDF:13.4/22

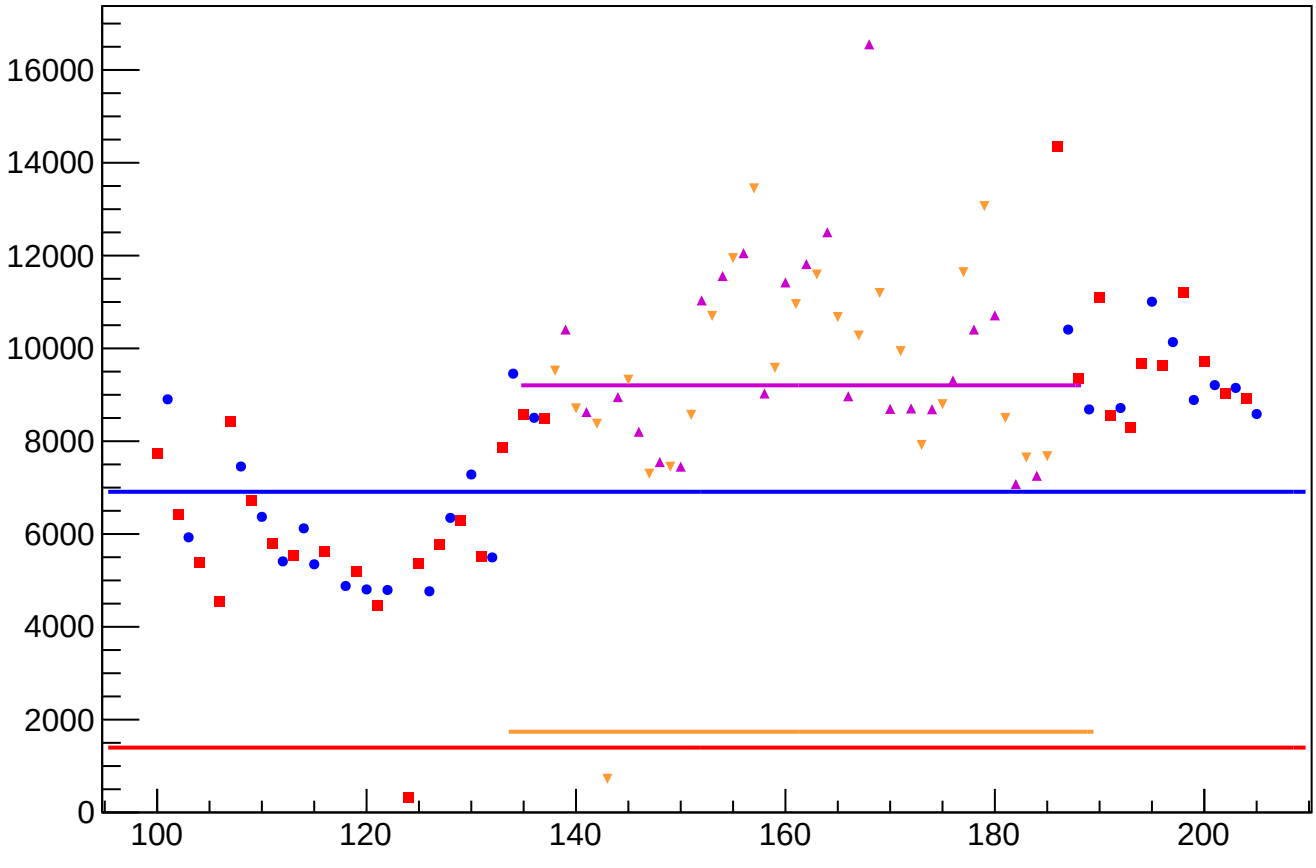
Left: -1056.985+/-716.258 χ^2/NDF: 45.5/47

Right: -17.606+/-697.615 χ^2/NDF: 64.2/54

In: -583.904+/-1442.902 χ^2/NDF:41.7/47

Out: -515.372+/-532.722 χ^2/NDF:69.0/54

All: -523.593+/-499.749 χ^2/NDF: 110.7/102



Right In: 6910.211+/-1.354 χ^2/NDF: 1978866.4/24

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1397.890+/-0.530 χ^2/NDF: 23537417.3/29

Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

Left: 2534.217+/-0.506 χ^2/NDF: 49671551.4/47

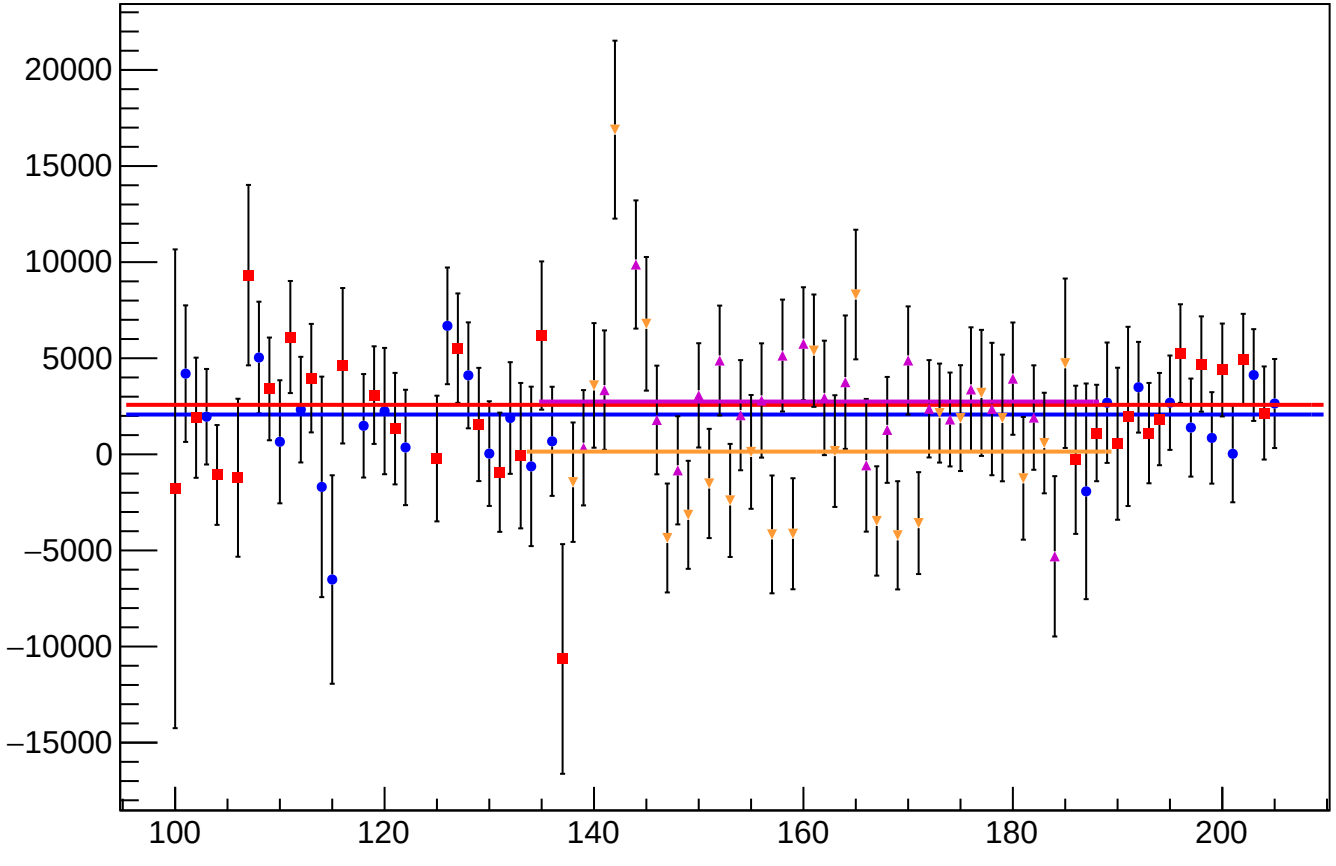
Right: 2129.644+/-0.493 χ^2/NDF: 39892455.6/54

In: 7901.244+/-1.020 χ^2/NDF:4490946.1/47

Out: 1566.718+/-0.377 χ^2/NDF:51478035.0/54

All: 2326.597+/-0.353 χ^2/NDF: 89891466.6/1

dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2070.948+/-577.402 χ^2/NDF: 11.8/24

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: 2575.439+/-561.458 χ^2/NDF: 21.8/28

Left In: 2745.982+/-616.123 χ^2/NDF:15.4/22

Left: 1443.410+/-435.526 χ^2/NDF: 70.2/46

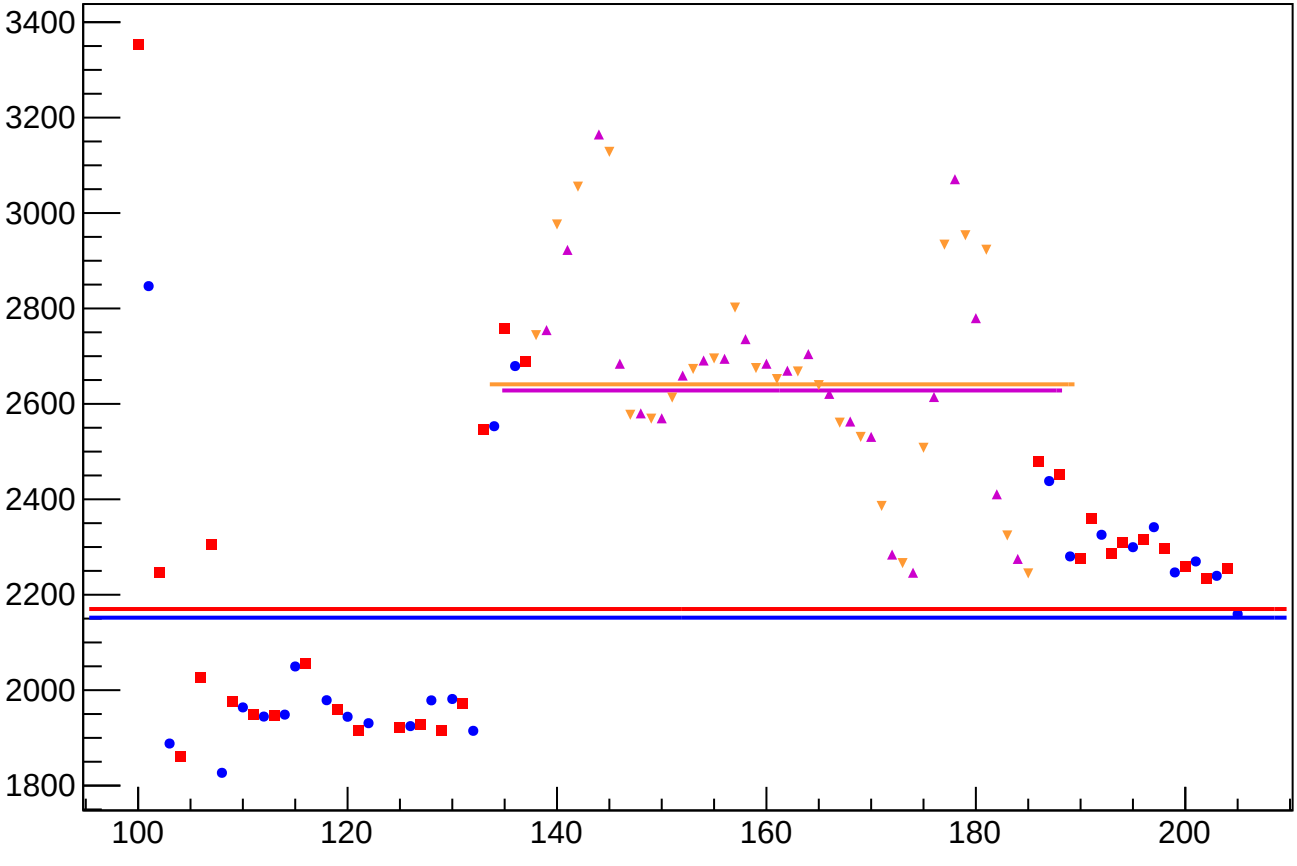
Right: 2330.255+/-402.529 χ^2/NDF: 34.0/53

In: 2386.588+/-421.309 χ^2/NDF:27.8/47

Out: 1470.898+/-414.874 χ^2/NDF:76.1/52

All: 1921.697+/-295.609 χ^2/NDF: 106.4/100

dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.962+/-0.408 χ^2/NDF: 348673.9/24

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2170.081+/-0.397 χ^2/NDF: 319526.8/28

Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

Left: 2634.556+/-0.308 χ^2/NDF: 491347.2/46

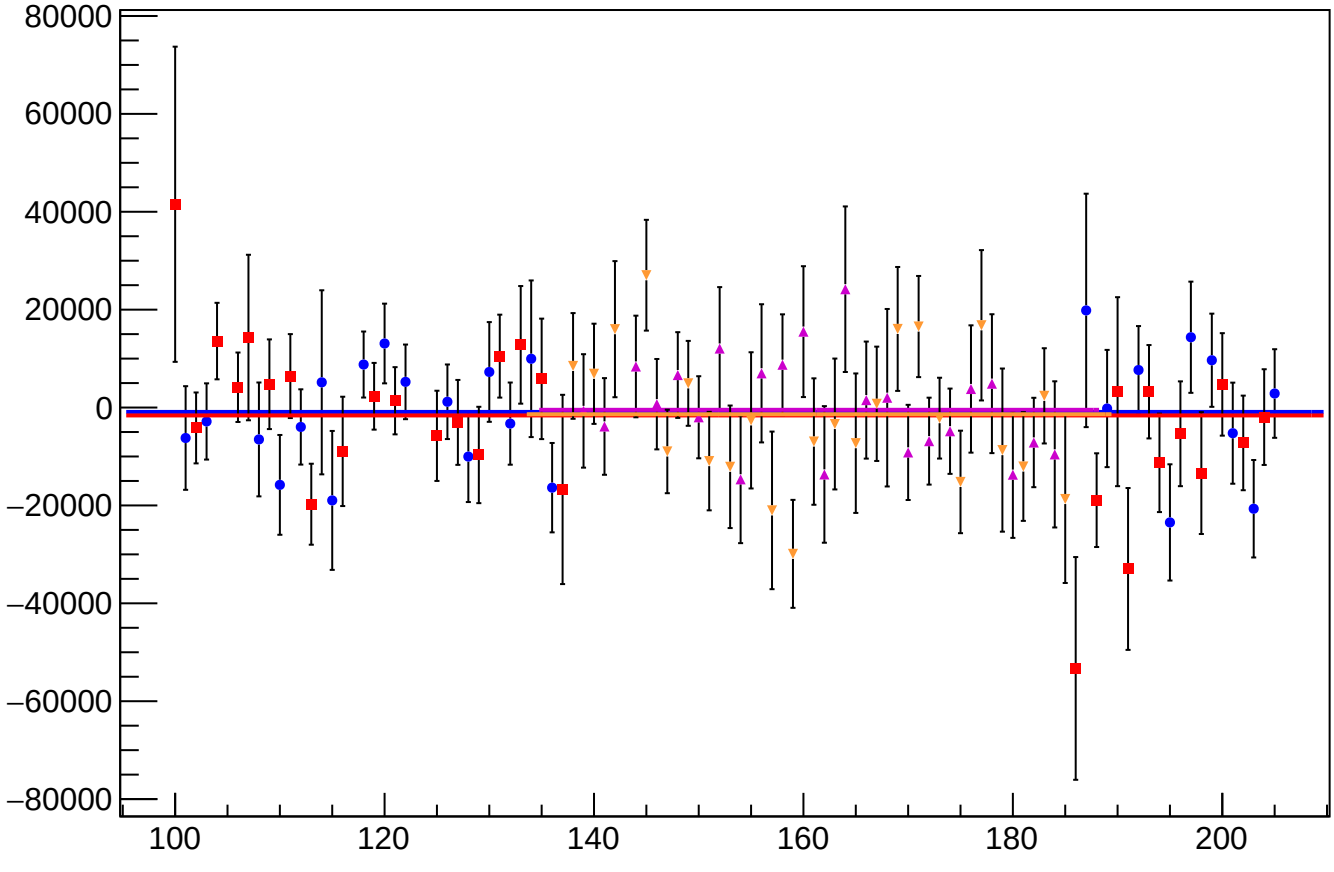
Right: 2161.282+/-0.285 χ^2/NDF: 669213.8/53

In: 2374.606+/-0.298 χ^2/NDF:1222142.9/47

Out: 2383.684+/-0.293 χ^2/NDF:1212128.2/52

All: 2379.217+/-0.209 χ^2/NDF: 2434742.7/10

asym_atl2_dit_correction_mean vs Slug, Sign Corrected



Right In: -895.290+/-1929.486 χ^2/NDF: 27.9/24

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -1612.686+/-1820.665 χ^2/NDF: 34.7/28

Left In: -463.775+/-2314.478 χ^2/NDF:13.1/22

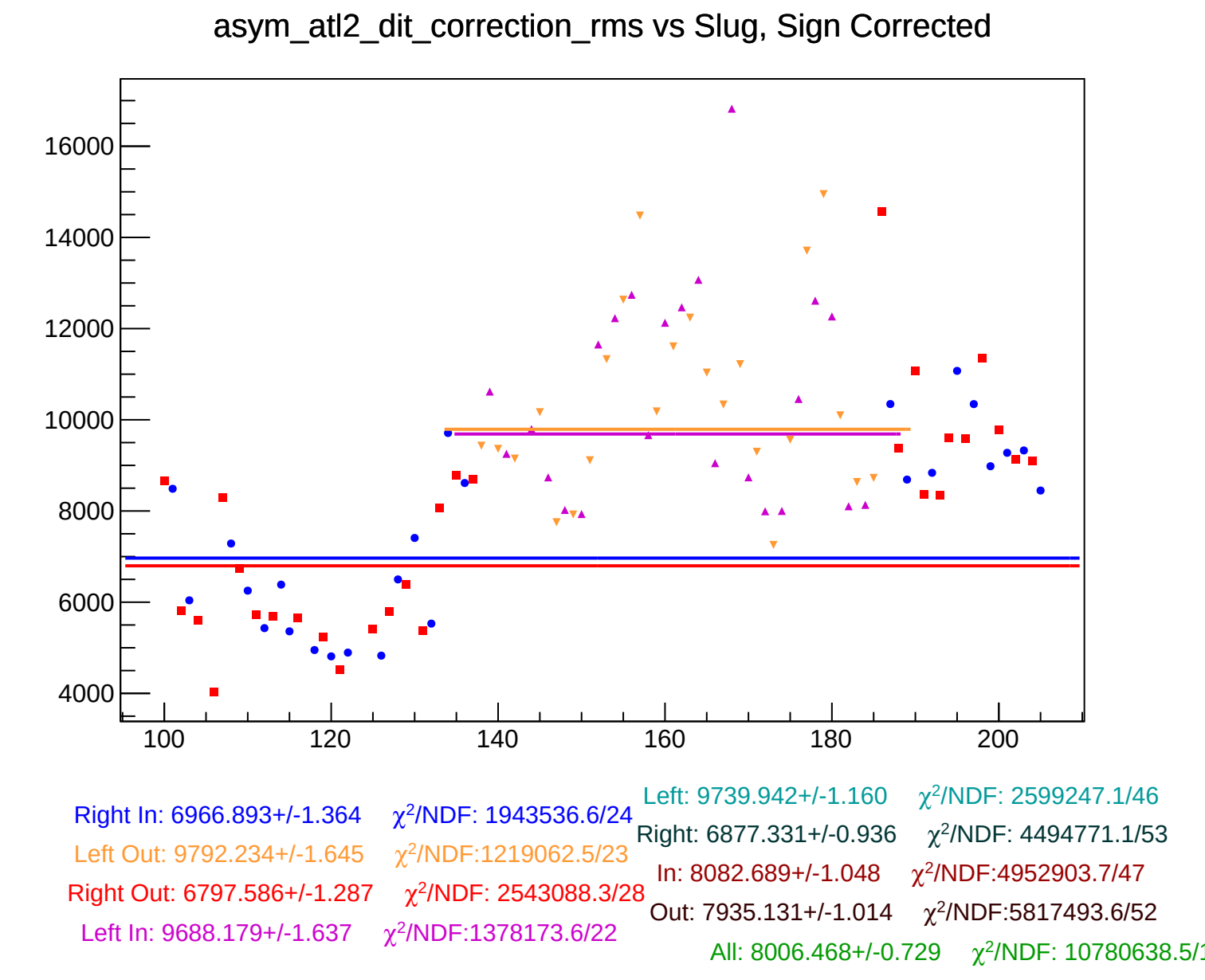
Left: -913.009+/-1640.743 χ^2/NDF: 44.4/46

Right: -1274.788+/-1324.205 χ^2/NDF: 62.7/53

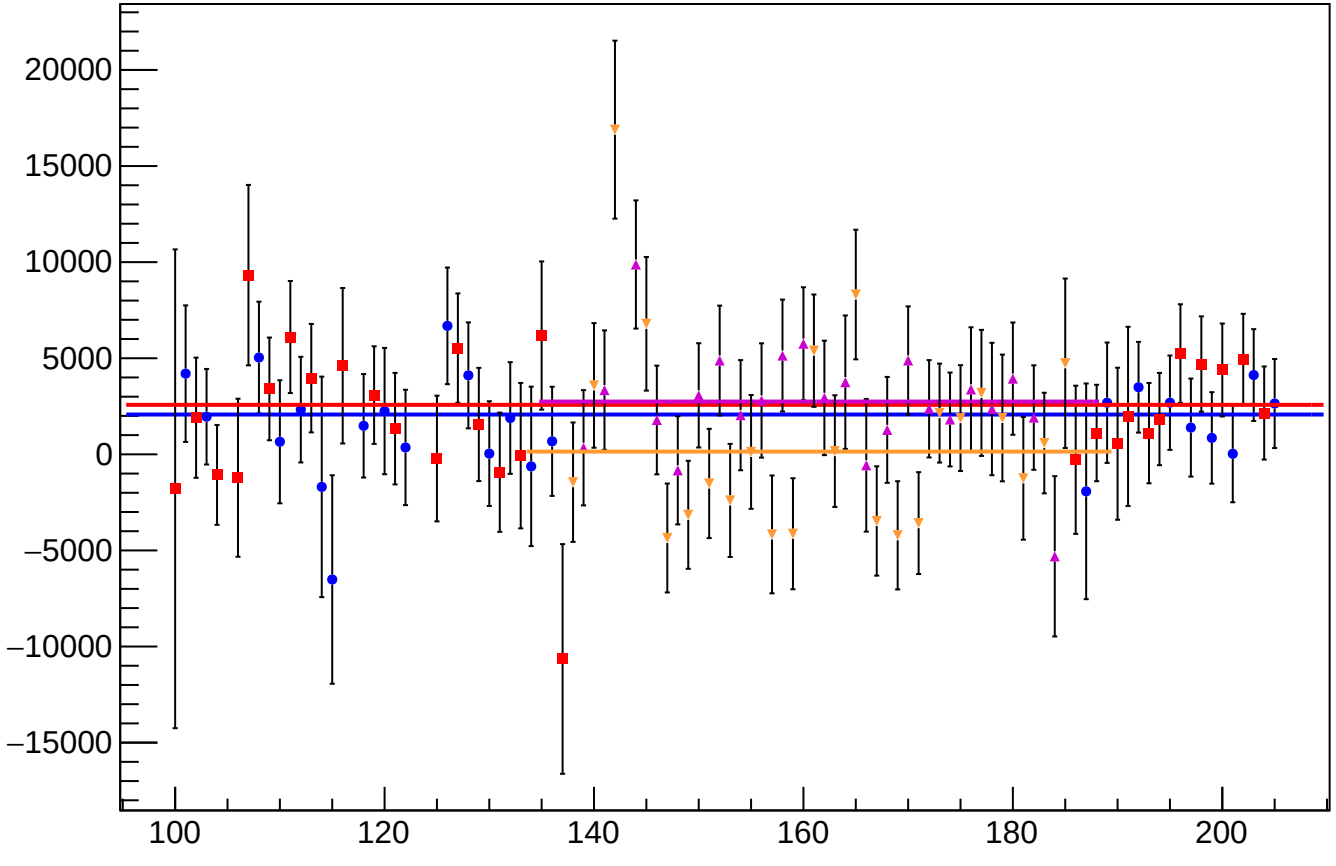
In: -718.358+/-1482.035 χ^2/NDF:41.0/47

Out: -1519.299+/-1433.756 χ^2/NDF:66.0/52

All: -1132.087+/-1030.464 χ^2/NDF: 107.2/10


asym_atl2_dit_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6966.893+/-1.364 χ²/NDF: 1943536.6/24
Left Out: 9792.234+/-1.645 χ²/NDF:1219062.5/23
Right Out: 6797.586+/-1.287 χ²/NDF: 2543088.3/28
Left In: 9688.179+/-1.637 χ²/NDF:1378173.6/22
Left: 9739.942+/-1.160 χ²/NDF: 2599247.1/46
Right: 6877.331+/-0.936 χ²/NDF: 4494771.1/53
In: 8082.689+/-1.048 χ²/NDF:4952903.7/47
Out: 7935.131+/-1.014 χ²/NDF:5817493.6/52
All: 8006.468+/-0.729 χ²/NDF: 10780638.5/1

eigen_dit_asym_atl2_mean vs Slug, Sign Corrected



Right In: 2070.945+/-577.402 χ^2/NDF: 11.8/24

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: 2575.441+/-561.458 χ^2/NDF: 21.8/28

Left In: 2745.980+/-616.124 χ^2/NDF:15.4/22

Left: 1443.405+/-435.527 χ^2/NDF: 70.2/46

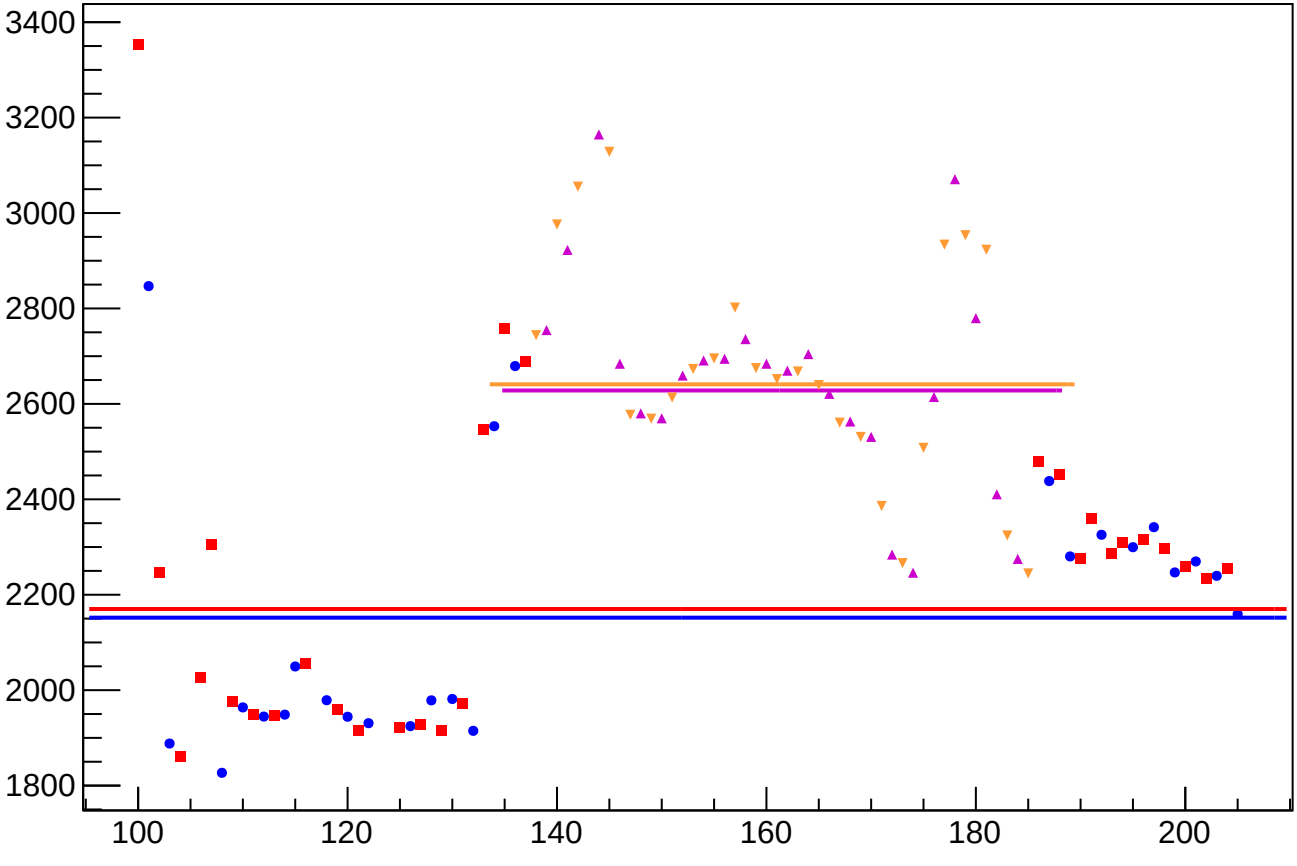
Right: 2330.255+/-402.529 χ^2/NDF: 34.0/53

In: 2386.585+/-421.309 χ^2/NDF:27.8/47

Out: 1470.896+/-414.874 χ^2/NDF:76.1/52

All: 1921.694+/-295.609 χ^2/NDF: 106.4/100

eigen_dit_asym_atl2_rms vs Slug, Sign Corrected



Right In: 2151.962+/-0.408 χ^2/NDF: 348674.1/24

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2170.081+/-0.397 χ^2/NDF: 319527.3/28

Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

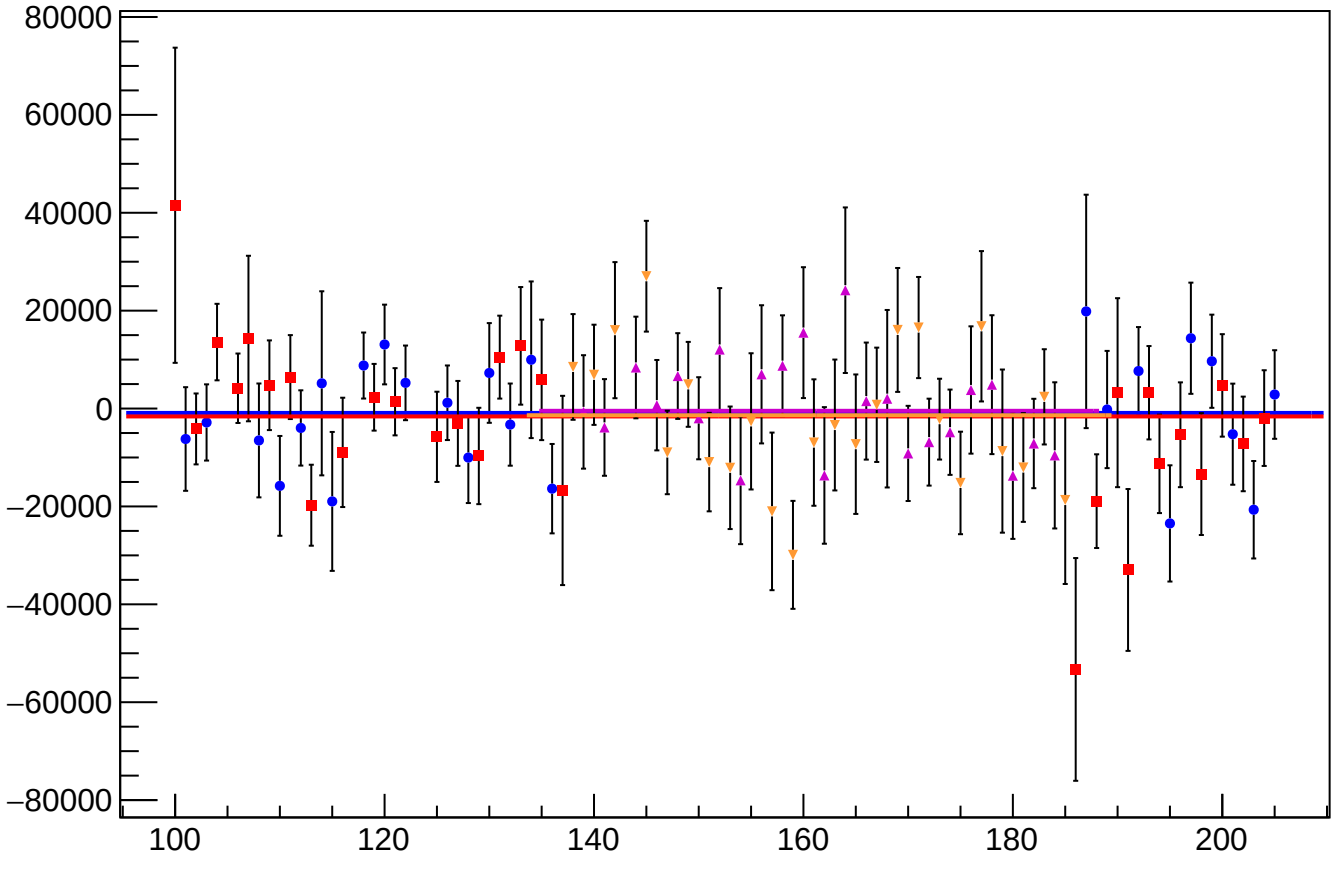
Left: 2634.558+/-0.308 χ^2/NDF: 491365.7/46

Right: 2161.282+/-0.285 χ^2/NDF: 669214.5/53

In: 2374.607+/-0.298 χ^2/NDF:1222157.3/47

Out: 2383.685+/-0.293 χ^2/NDF:1212143.2/52

All: 2379.218+/-0.209 χ^2/NDF: 2434772.2/10



Right In: -895.279+/-1929.483 χ^2/NDF: 27.9/24

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -1612.675+/-1820.663 χ^2/NDF: 34.7/28

Left In: -463.777+/-2314.482 χ^2/NDF:13.1/22

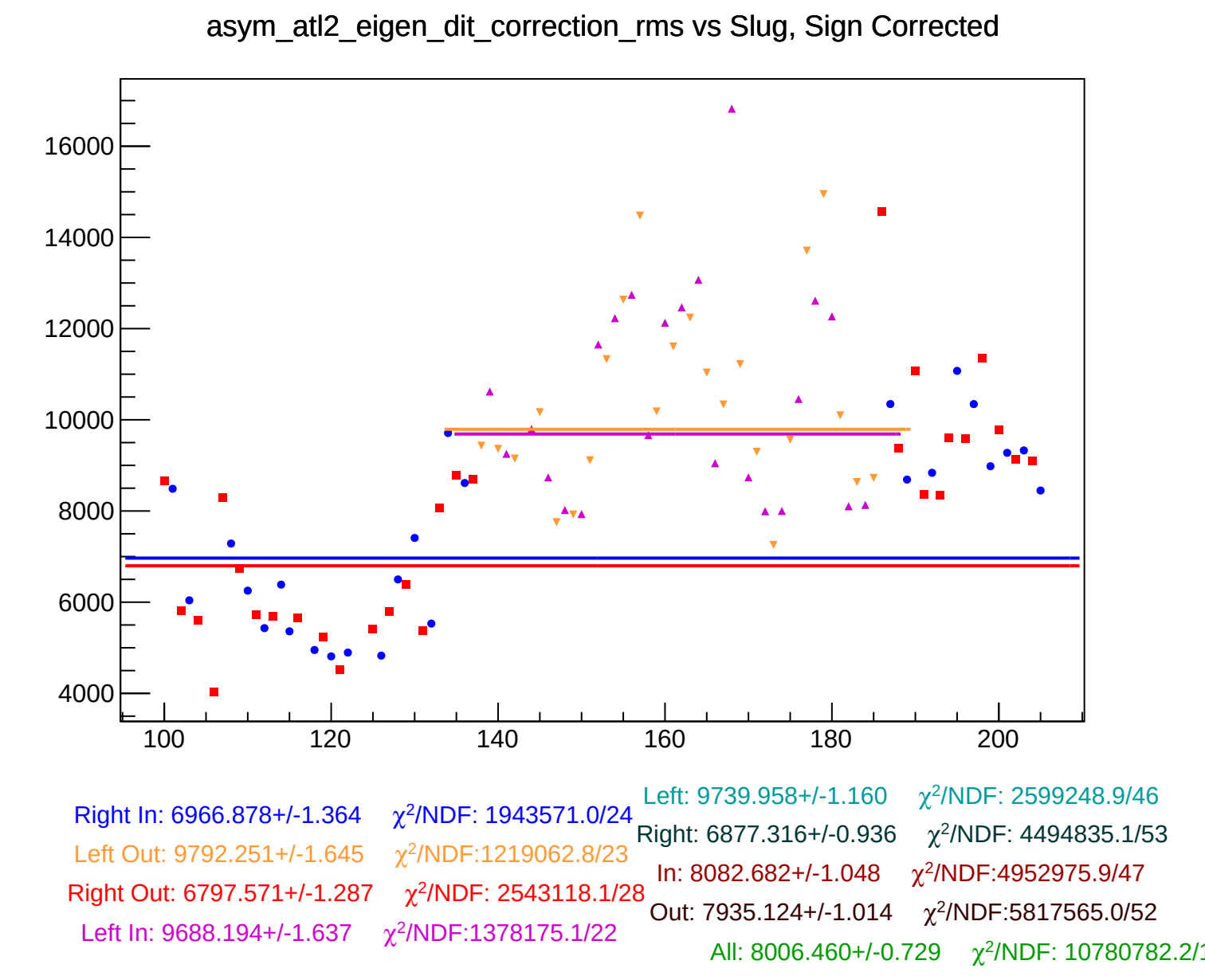
Left: -913.015+/-1640.746 χ^2/NDF: 44.4/46

Right: -1274.777+/-1324.203 χ^2/NDF: 62.7/53

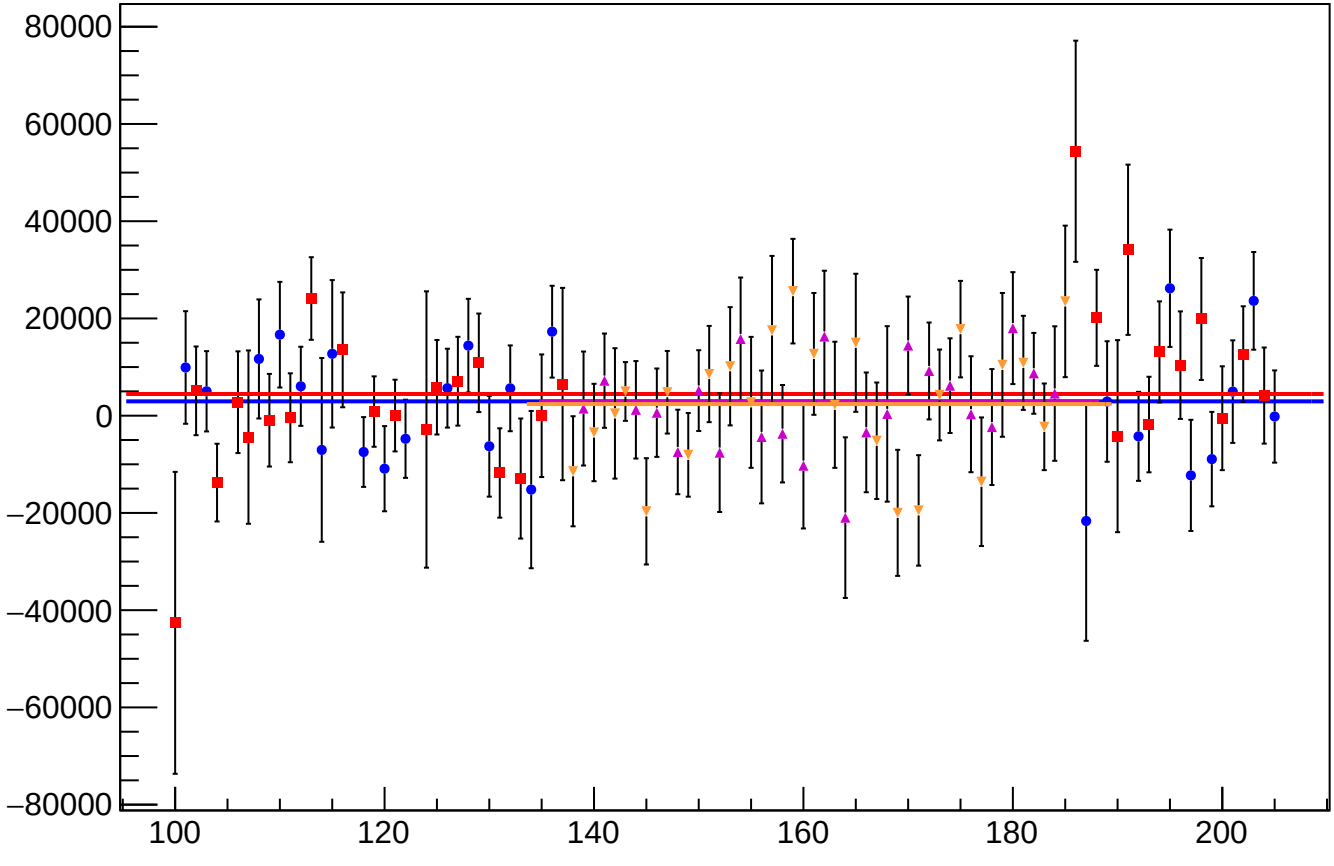
In: -718.353+/-1482.034 χ^2/NDF:41.0/47

Out: -1519.296+/-1433.755 χ^2/NDF:66.0/52

All: -1132.083+/-1030.464 χ^2/NDF: 107.2/10


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: 6966.878+/-1.364 χ²/NDF: 1943571.0/24
Left Out: 9792.251+/-1.645 χ²/NDF:1219062.8/23
Right Out: 6797.571+/-1.287 χ²/NDF: 2543118.1/28
Left In: 9688.194+/-1.637 χ²/NDF:1378175.1/22
Left: 9739.958+/-1.160 χ²/NDF: 2599248.9/46
Right: 6877.316+/-0.936 χ²/NDF: 4494835.1/53
In: 8082.682+/-1.048 χ²/NDF:4952975.9/47
Out: 7935.124+/-1.014 χ²/NDF:5817565.0/52
All: 8006.460+/-0.729 χ²/NDF: 10780782.2/1

asym_atl2_mean vs Slug, Sign Corrected



Right In: 2947.502+/-2016.672 χ^2/NDF: 27.8/24

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: 4463.987+/-1943.412 χ^2/NDF: 35.0/29

Left In: 2963.537+/-2278.927 χ^2/NDF:13.0/22

Left: 2657.151+/-1558.666 χ^2/NDF: 42.8/47

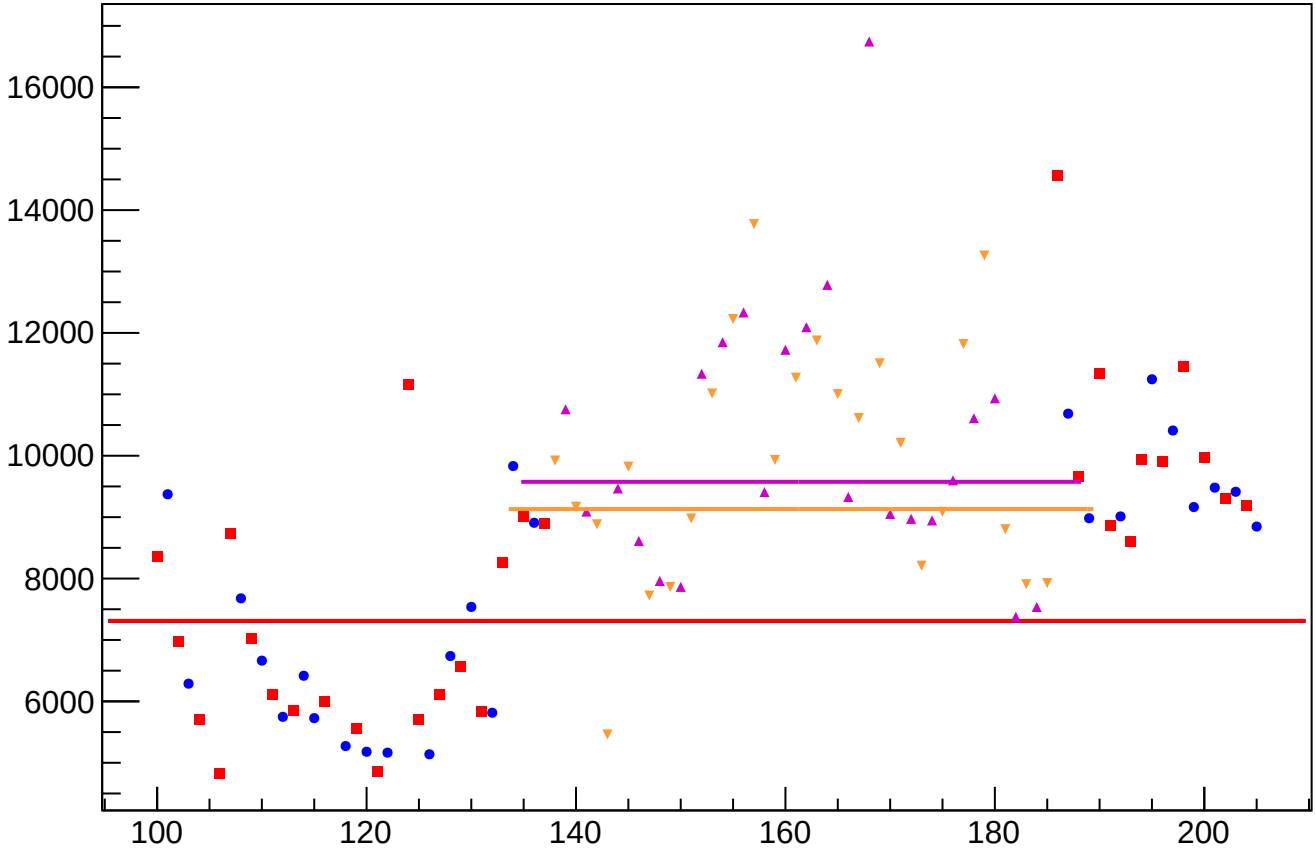
Right: 3733.789+/-1399.382 χ^2/NDF: 63.1/54

In: 2954.545+/-1510.251 χ^2/NDF:40.8/47

Out: 3523.973+/-1437.636 χ^2/NDF:65.2/54

All: 3253.277+/-1041.287 χ^2/NDF: 106.1/102

asym_atl2_rms vs Slug, Sign Corrected



Right In: 7308.926+/-1.426 χ^2/NDF: 1740720.3/24

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7310.797+/-1.374 χ^2/NDF: 2104386.1/29

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

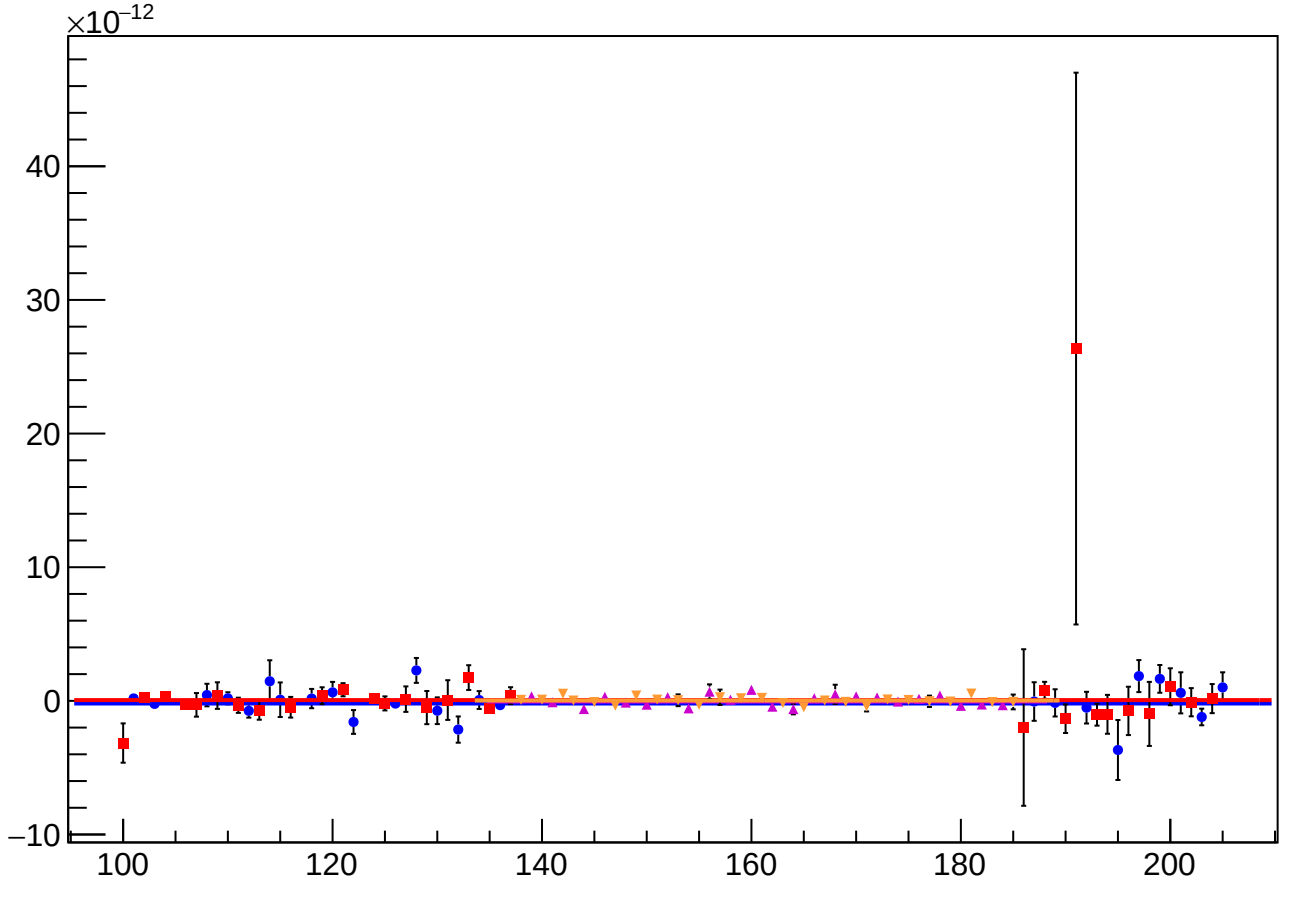
Left: 9339.185+/-1.102 χ^2/NDF: 3005779.9/47

Right: 7309.896+/-0.990 χ^2/NDF: 3845107.3/54

In: 8304.229+/-1.068 χ^2/NDF:4003786.4/47

Out: 8135.256+/-1.017 χ^2/NDF:4711036.5/54

All: 8215.583+/-0.736 χ^2/NDF: 8727957.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/29

Left In: -0.000+/-0.000 χ^2/NDF:36.8/22

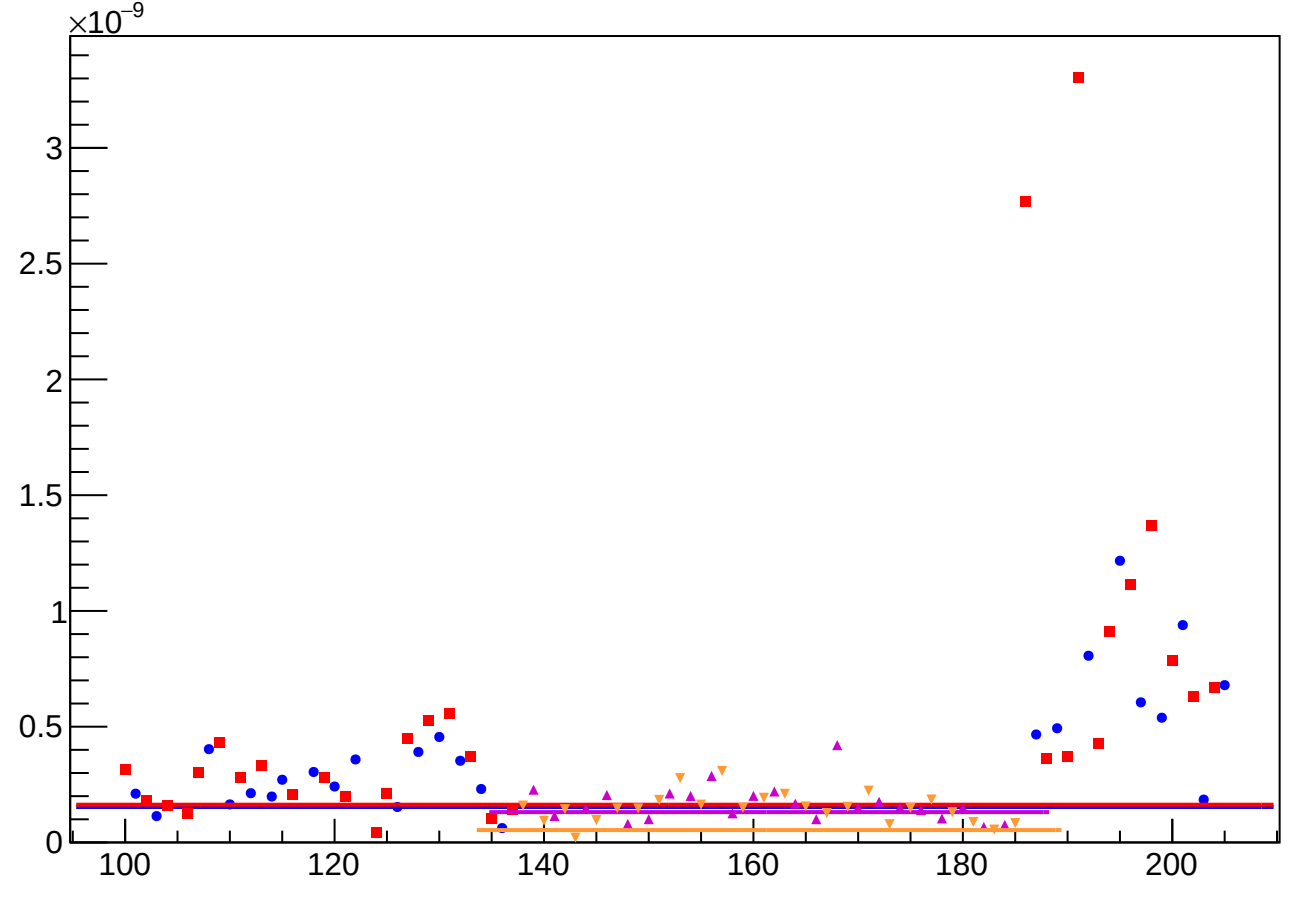
Left: 0.000+/-0.000 χ^2/NDF: 56.1/47

Right: -0.000+/-0.000 χ^2/NDF: 66.3/54

In: -0.000+/-0.000 χ^2/NDF:72.3/47

Out: 0.000+/-0.000 χ^2/NDF:46.9/54

All: -0.000+/-0.000 χ^2/NDF: 123.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 4744800.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6234287.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

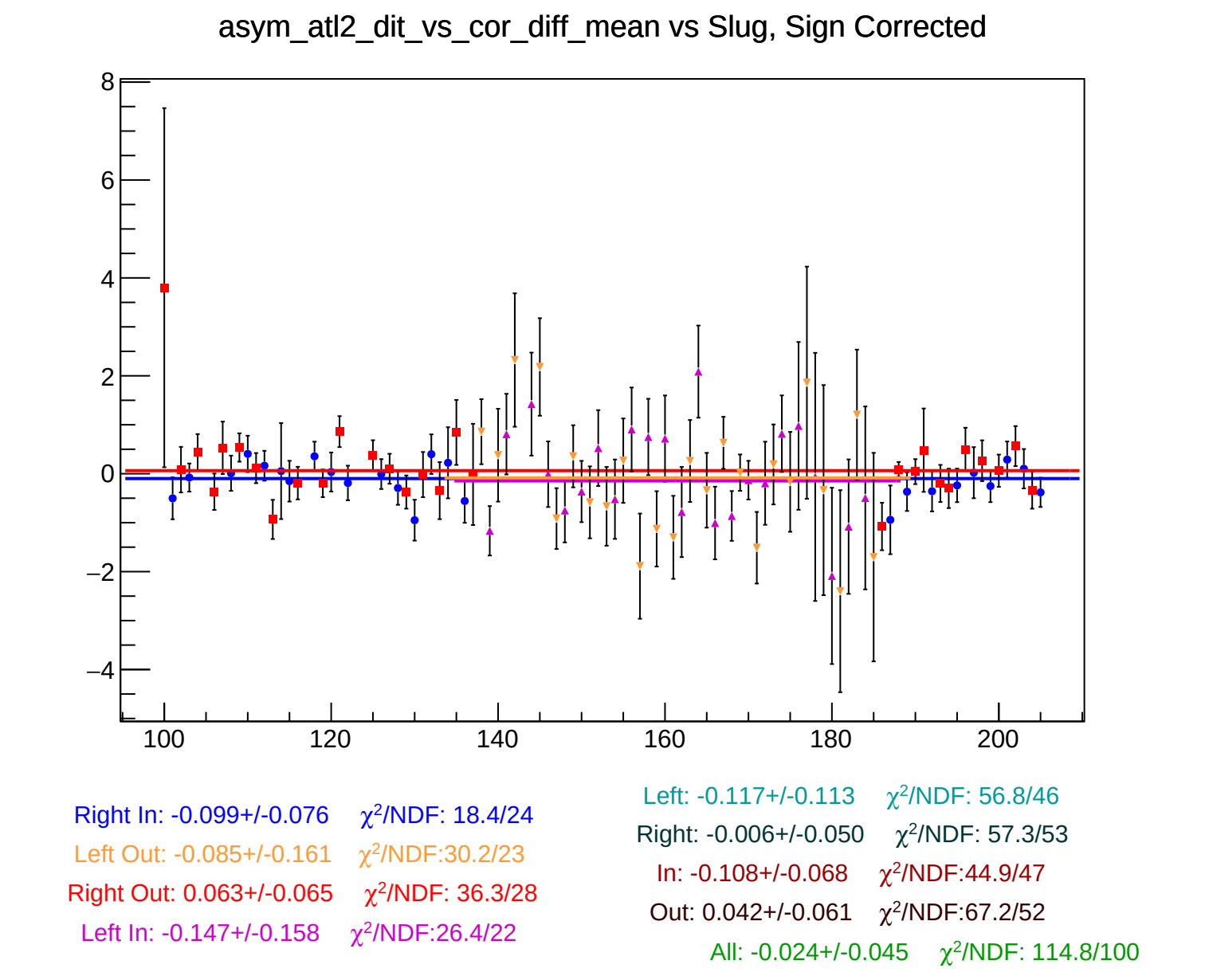
Left: 0.000+/-0.000 χ^2/NDF: 12255967.6/47

Right: 0.000+/-0.000 χ^2/NDF: 10990626.3/54

In: 0.000+/-0.000 χ^2/NDF:6733833.3/47

Out: 0.000+/-0.000 χ^2/NDF:16030782.0/54

All: 0.000+/-0.000 χ^2/NDF: 26322848.8/102


asym_atl2_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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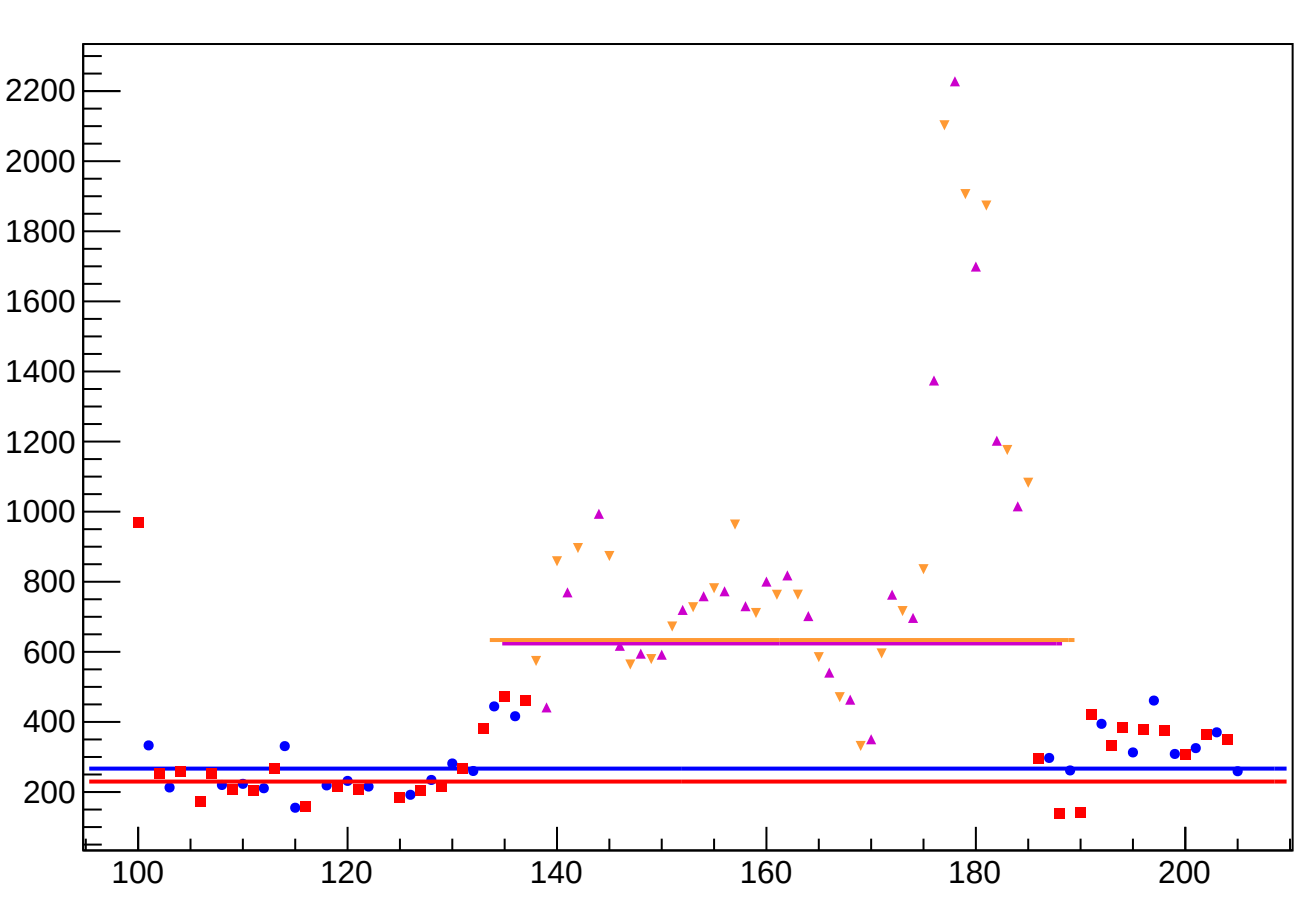
100
120
140
160
180
200
Right In: -0.099+/-0.076 χ²/NDF: 18.4/24
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.063+/-0.065 χ²/NDF: 36.3/28
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.006+/-0.050 χ²/NDF: 57.3/53
In: -0.108+/-0.068 χ²/NDF:44.9/47
Out: 0.042+/-0.061 χ²/NDF:67.2/52
All: -0.024+/-0.045 χ²/NDF: 114.8/100


asym_atl2_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
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120
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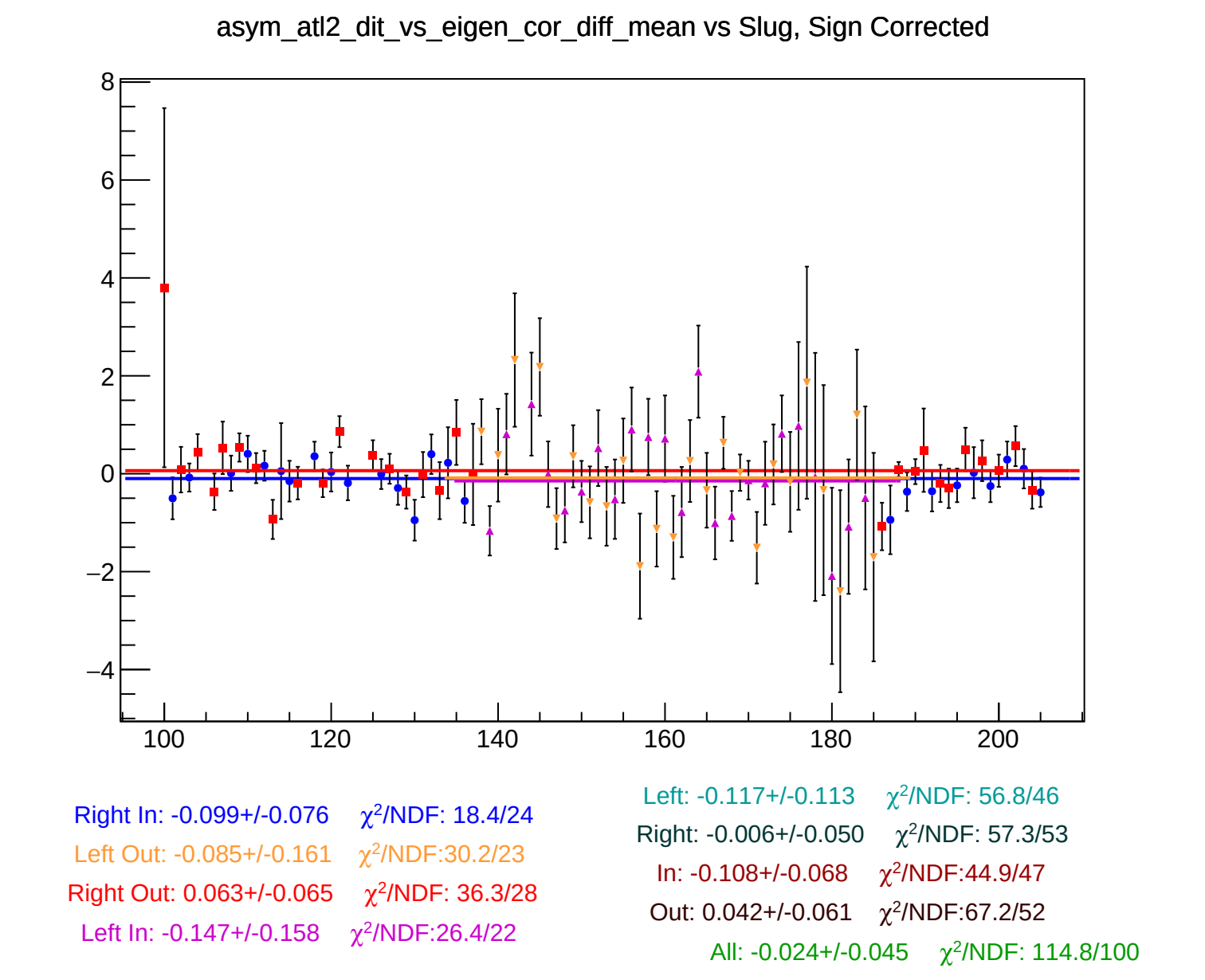
160
180
200
Right In: 266.841+/-0.054 χ²/NDF: 1719880.9/24
Left Out: 633.674+/-0.114 χ²/NDF:4994105.8/23
Right Out: 229.841+/-0.046 χ²/NDF: 3409094.2/28
Left In: 623.916+/-0.112 χ²/NDF:4541431.8/22
Left: 628.697+/-0.080 χ²/NDF: 9539265.1/46
Right: 245.643+/-0.035 χ²/NDF: 5402242.4/53
In: 333.455+/-0.048 χ²/NDF:14548366.8/47
Out: 286.801+/-0.043 χ²/NDF:19153630.7/52
All: 307.350+/-0.032 χ²/NDF: 34223614.5/10


asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
8
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180
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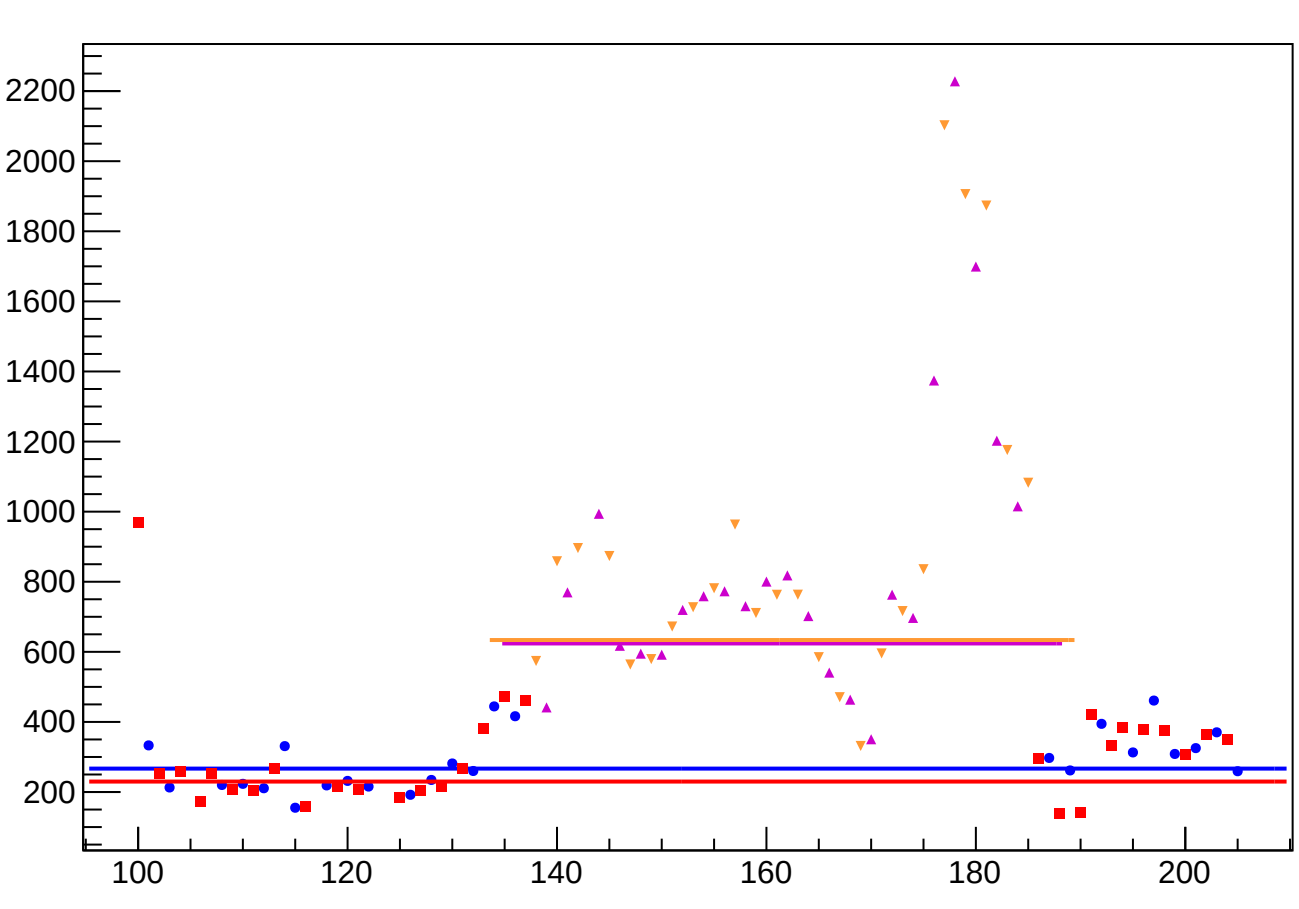
Right In: -0.099+/-0.076 χ²/NDF: 18.4/24
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.063+/-0.065 χ²/NDF: 36.3/28
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.006+/-0.050 χ²/NDF: 57.3/53
In: -0.108+/-0.068 χ²/NDF:44.9/47
Out: 0.042+/-0.061 χ²/NDF:67.2/52
All: -0.024+/-0.045 χ²/NDF: 114.8/100



Right In: 266.841+/-0.054 χ^2/NDF: 1719880.9/24

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.841+/-0.046 χ^2/NDF: 3409094.2/28

Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

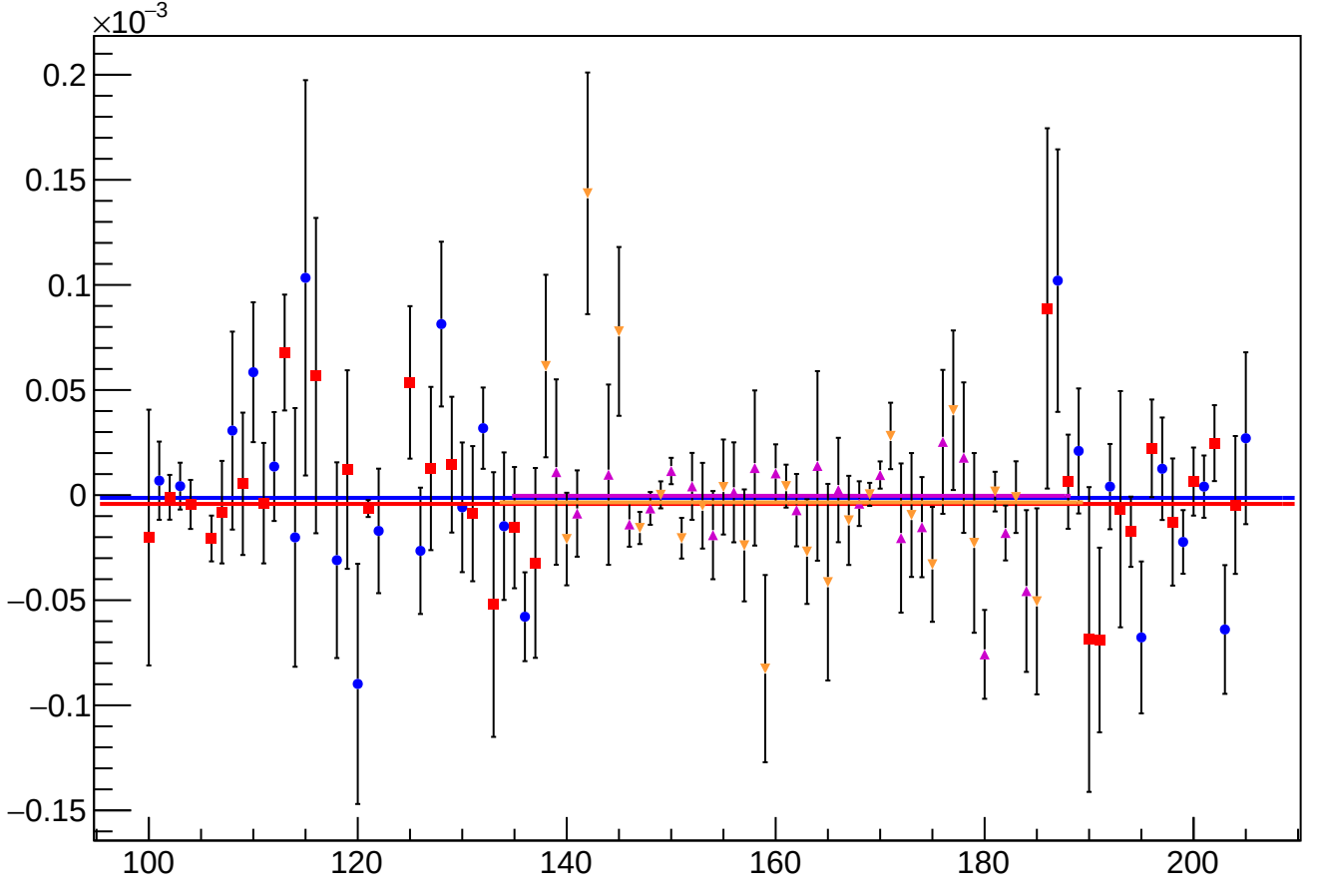
Left: 628.697+/-0.080 χ^2/NDF: 9539265.1/46

Right: 245.643+/-0.035 χ^2/NDF: 5402242.4/53

In: 333.455+/-0.048 χ^2/NDF:14548366.8/47

Out: 286.801+/-0.043 χ^2/NDF:19153630.7/52

All: 307.350+/-0.032 χ^2/NDF: 34223614.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.0/28

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

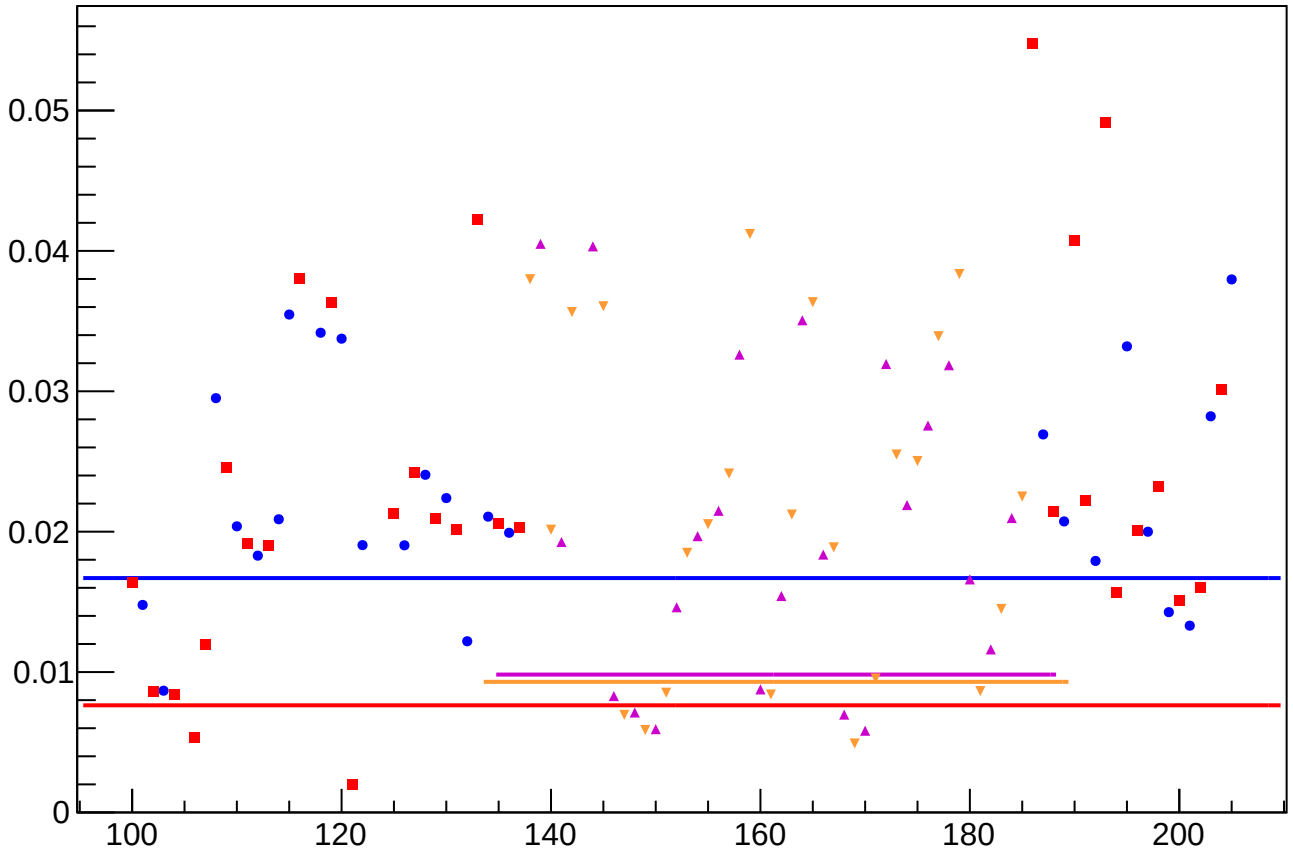
Left: -0.000+/-0.000 χ^2/NDF: 62.8/46

Right: -0.000+/-0.000 χ^2/NDF: 62.4/53

In: -0.000+/-0.000 χ^2/NDF:66.0/47

Out: -0.000+/-0.000 χ^2/NDF:58.3/52

All: -0.000+/-0.000 χ^2/NDF: 125.3/100



Right In: 0.017+/-0.000 χ^2/NDF: 3667613.4/24

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 15274801.9/28

Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

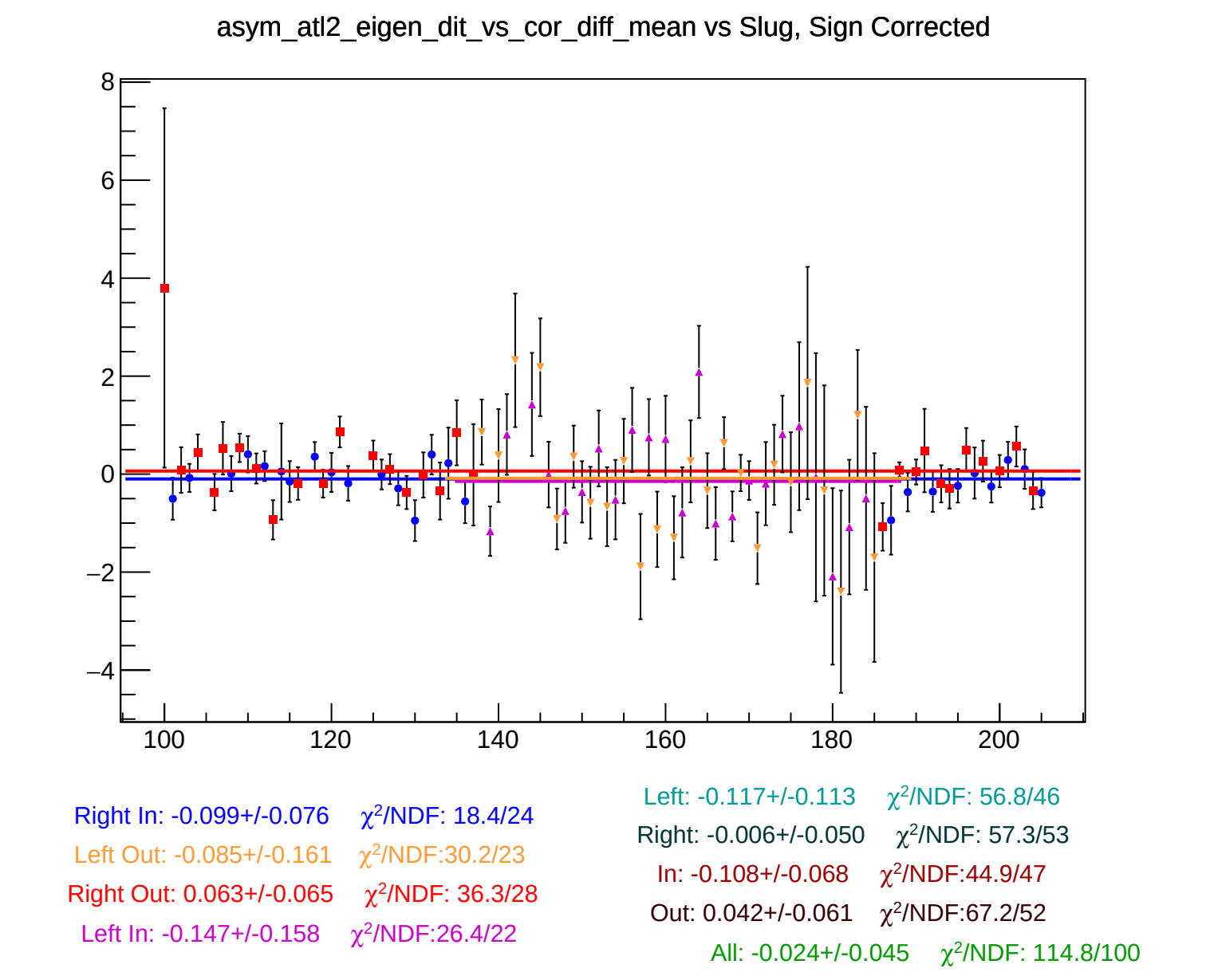
Left: 0.010+/-0.000 χ^2/NDF: 22565208.8/46

Right: 0.010+/-0.000 χ^2/NDF: 23950127.2/53

In: 0.012+/-0.000 χ^2/NDF:16882112.2/47

Out: 0.009+/-0.000 χ^2/NDF:27843297.0/52

All: 0.010+/-0.000 χ^2/NDF: 46559796.7/100


asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
8
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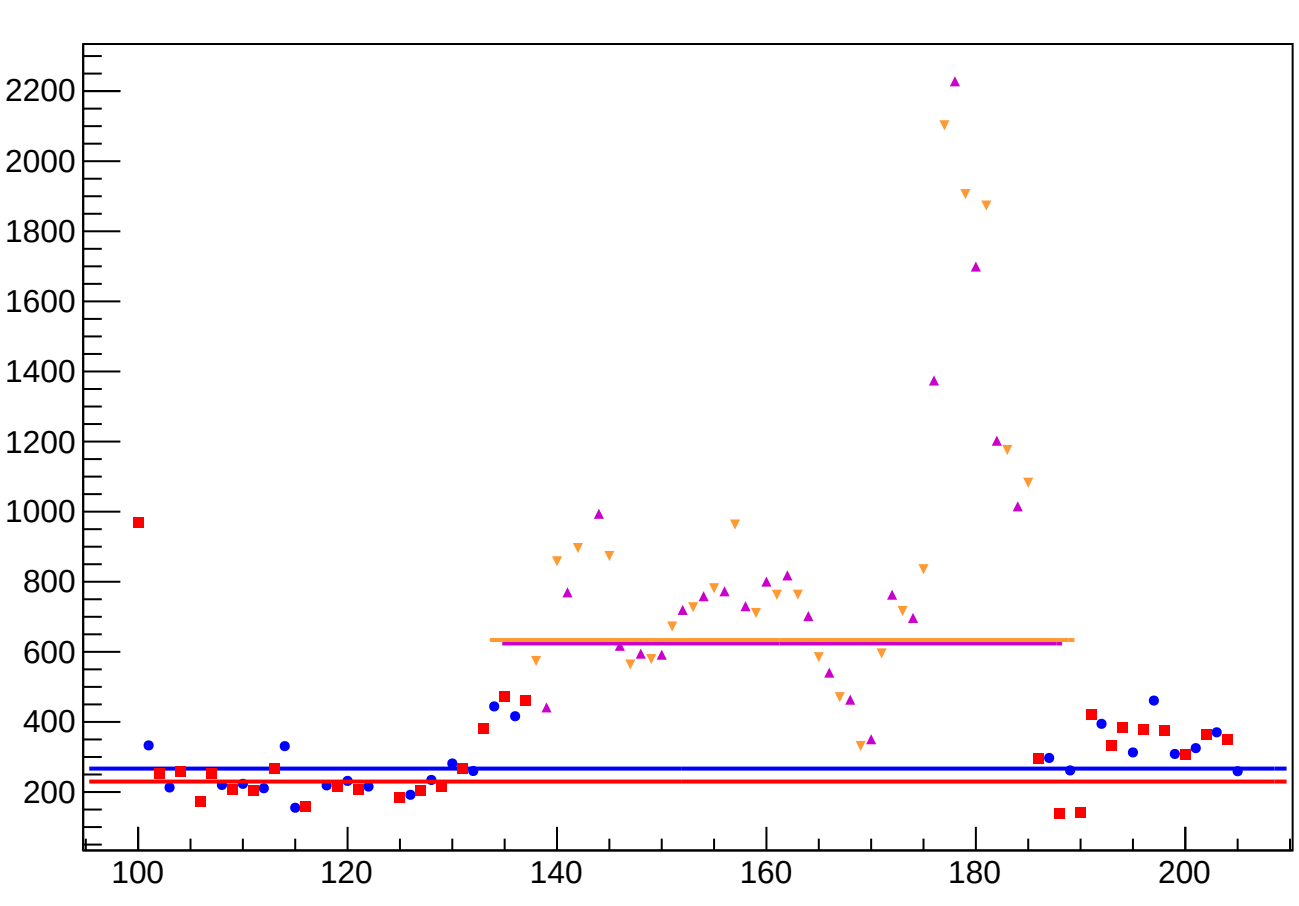
140
160
180
200
Right In: -0.099+/-0.076 χ²/NDF: 18.4/24
Left Out: -0.085+/-0.161 χ²/NDF:30.2/23
Right Out: 0.063+/-0.065 χ²/NDF: 36.3/28
Left In: -0.147+/-0.158 χ²/NDF:26.4/22
Left: -0.117+/-0.113 χ²/NDF: 56.8/46
Right: -0.006+/-0.050 χ²/NDF: 57.3/53
In: -0.108+/-0.068 χ²/NDF:44.9/47
Out: 0.042+/-0.061 χ²/NDF:67.2/52
All: -0.024+/-0.045 χ²/NDF: 114.8/100


asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
2200
2000
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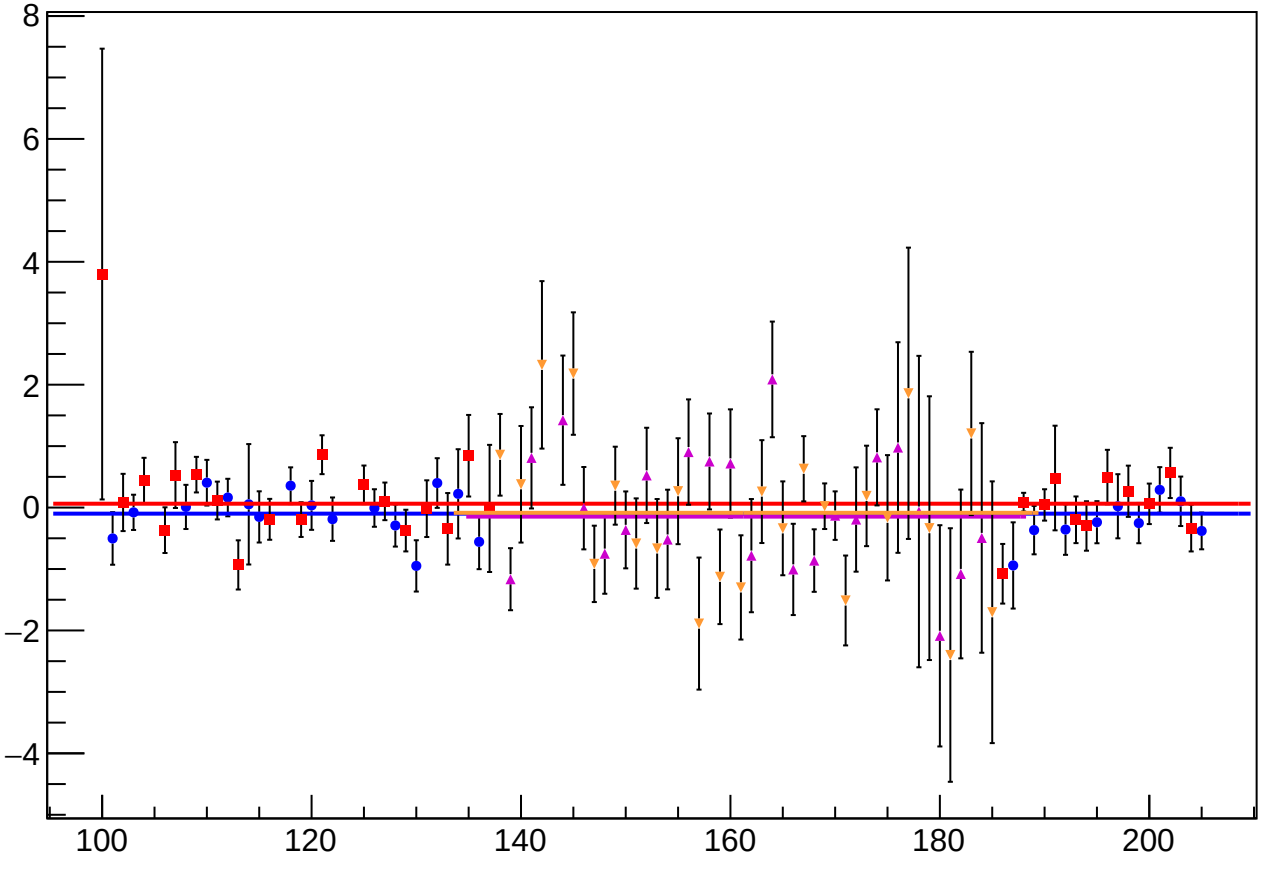
160
180
200
Right In: 266.842+/-0.054 χ²/NDF: 1719866.5/24
Left Out: 633.678+/-0.114 χ²/NDF:4994172.5/23
Right Out: 229.838+/-0.046 χ²/NDF: 3409258.4/28
Left In: 623.922+/-0.112 χ²/NDF:4541413.9/22
Left: 628.702+/-0.080 χ²/NDF: 9539311.9/46
Right: 245.642+/-0.035 χ²/NDF: 5402436.8/53
In: 333.456+/-0.048 χ²/NDF:14548451.0/47
Out: 286.799+/-0.043 χ²/NDF:19154071.6/52
All: 307.349+/-0.032 χ²/NDF: 34224217.9/10

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: 0.063+/-0.065 χ^2/NDF: 36.3/28

Left In: -0.147+/-0.158 χ^2/NDF:26.4/22

Left: -0.117+/-0.113 χ^2/NDF: 56.8/46

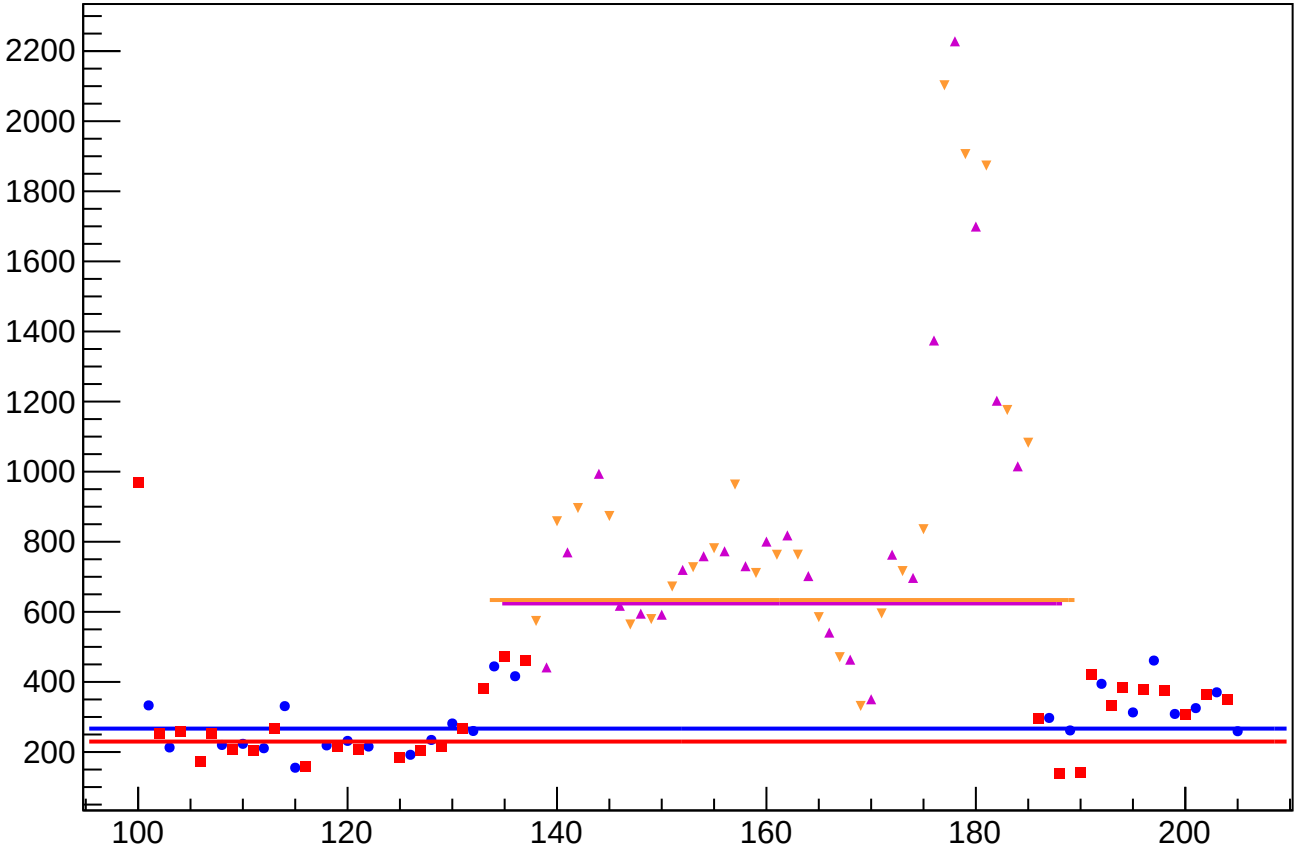
Right: -0.006+/-0.050 χ^2/NDF: 57.3/53

In: -0.108+/-0.068 χ^2/NDF:44.9/47

Out: 0.042+/-0.061 χ^2/NDF:67.2/52

All: -0.024+/-0.045 χ^2/NDF: 114.8/100

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 266.842+/-0.054 χ^2/NDF: 1719866.5/24

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.838+/-0.046 χ^2/NDF: 3409258.4/28

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

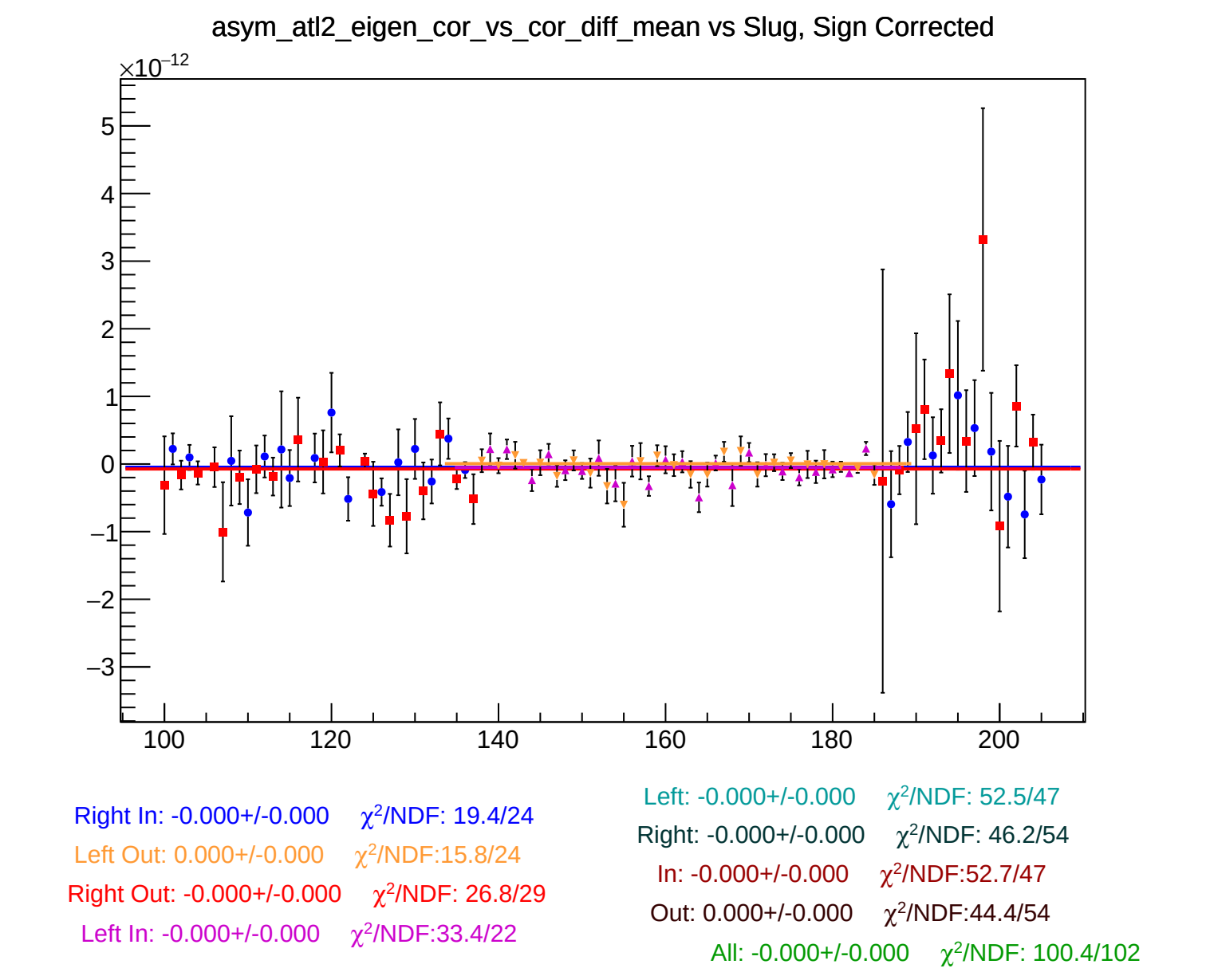
Left: 628.702+/-0.080 χ^2/NDF: 9539311.9/46

Right: 245.642+/-0.035 χ^2/NDF: 5402436.8/53

In: 333.456+/-0.048 χ^2/NDF:14548451.0/47

Out: 286.799+/-0.043 χ^2/NDF:19154071.6/52

All: 307.349+/-0.032 χ^2/NDF: 34224217.9/10


asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
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180
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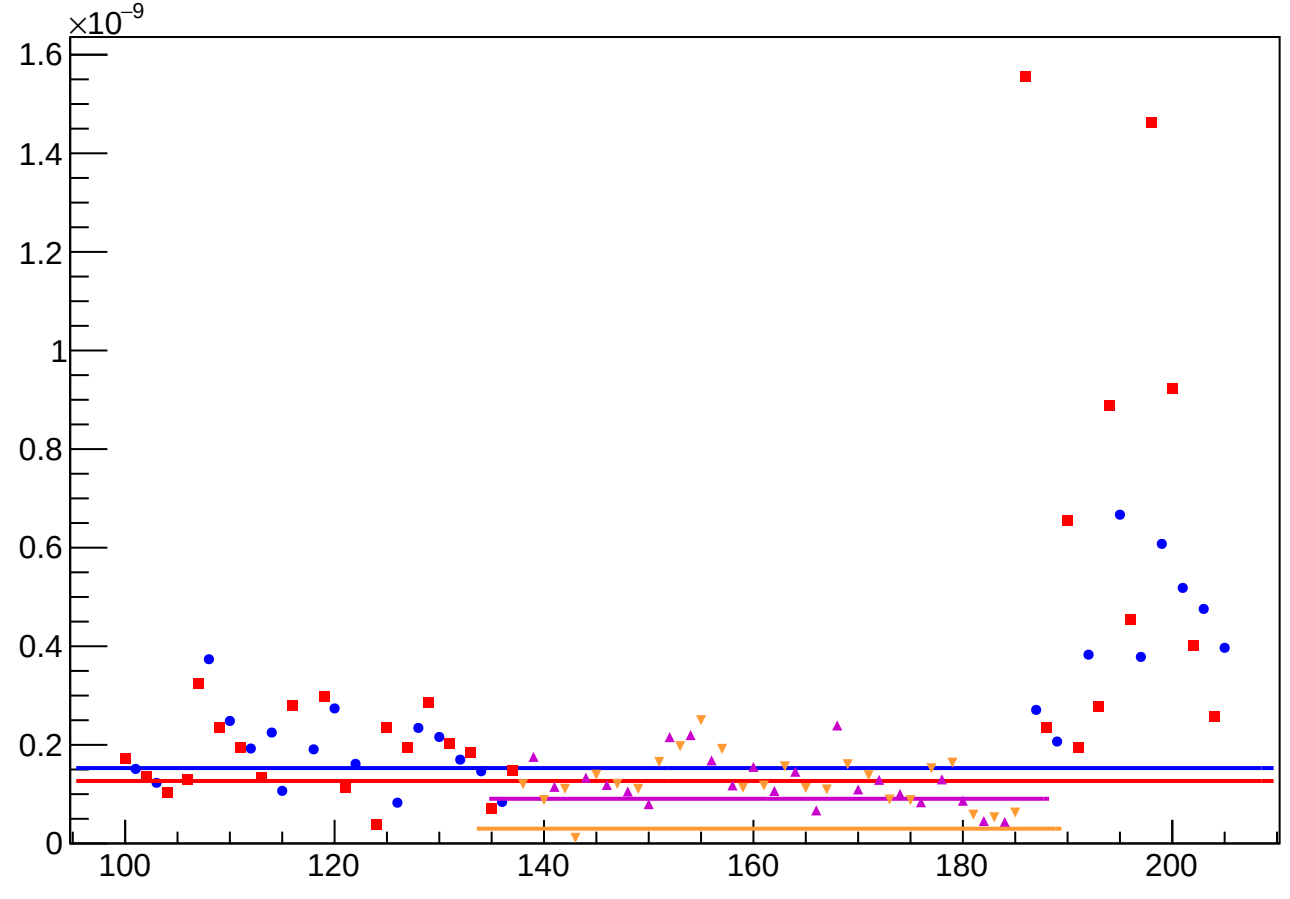
Right In: -0.000+/-0.000 χ²/NDF: 19.4/24
Left Out: 0.000+/-0.000 χ²/NDF:15.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.8/29
Left In: -0.000+/-0.000 χ²/NDF:33.4/22
Left: -0.000+/-0.000 χ²/NDF: 52.5/47
Right: -0.000+/-0.000 χ²/NDF: 46.2/54
In: -0.000+/-0.000 χ²/NDF:52.7/47
Out: 0.000+/-0.000 χ²/NDF:44.4/54
All: -0.000+/-0.000 χ²/NDF: 100.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 4574578.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584194.8/29

Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

Left: 0.000+/-0.000 χ^2/NDF: 29587513.4/47

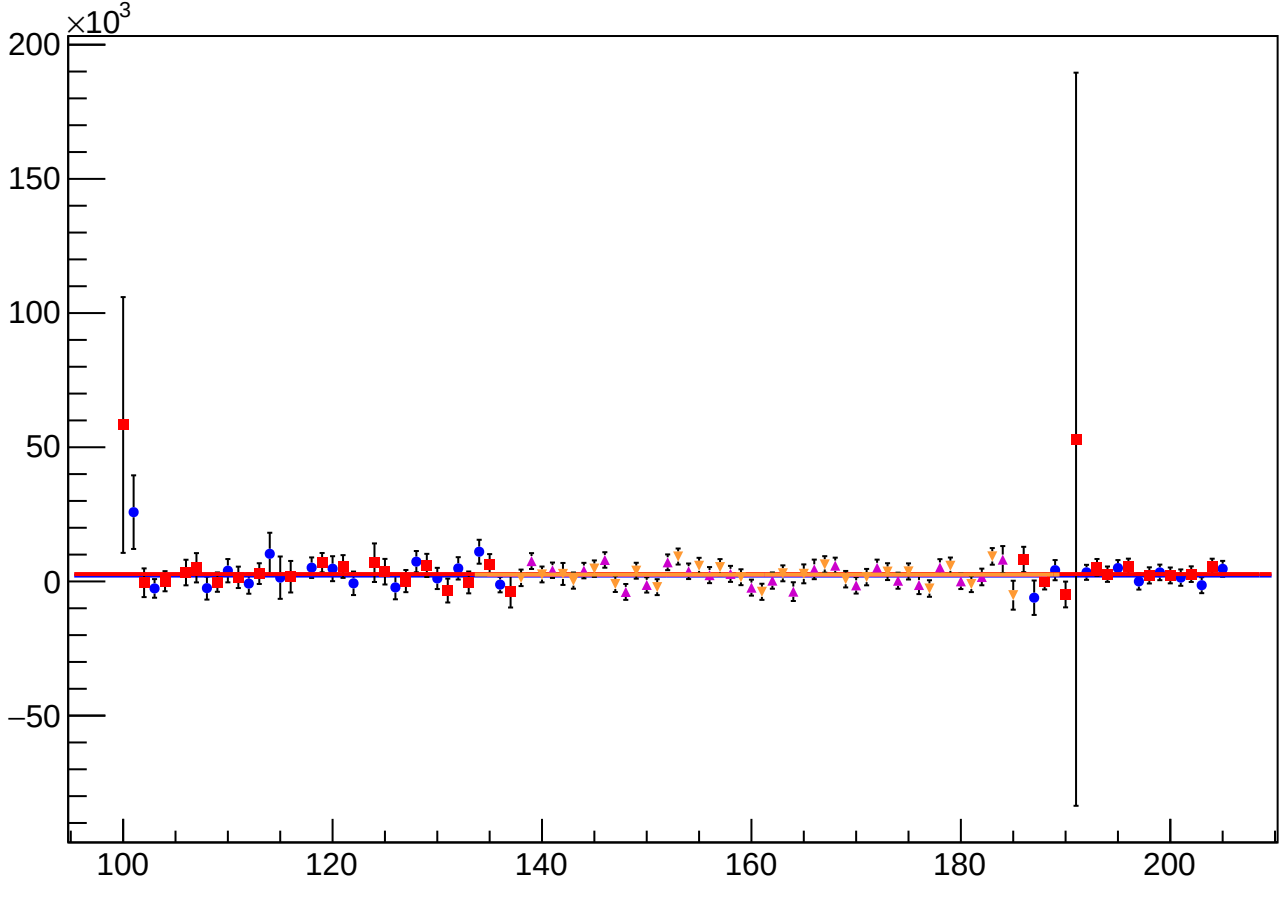
Right: 0.000+/-0.000 χ^2/NDF: 12345784.7/54

In: 0.000+/-0.000 χ^2/NDF:10869514.5/47

Out: 0.000+/-0.000 χ^2/NDF:30406784.7/54

All: 0.000+/-0.000 χ^2/NDF: 51487762.0/102

reg_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2187.844+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: 2749.362+/-721.849 χ^2/NDF: 18.0/29

Left In: 2408.320+/-639.726 χ^2/NDF:31.4/22

Left: 2484.680+/-445.893 χ^2/NDF: 63.0/47

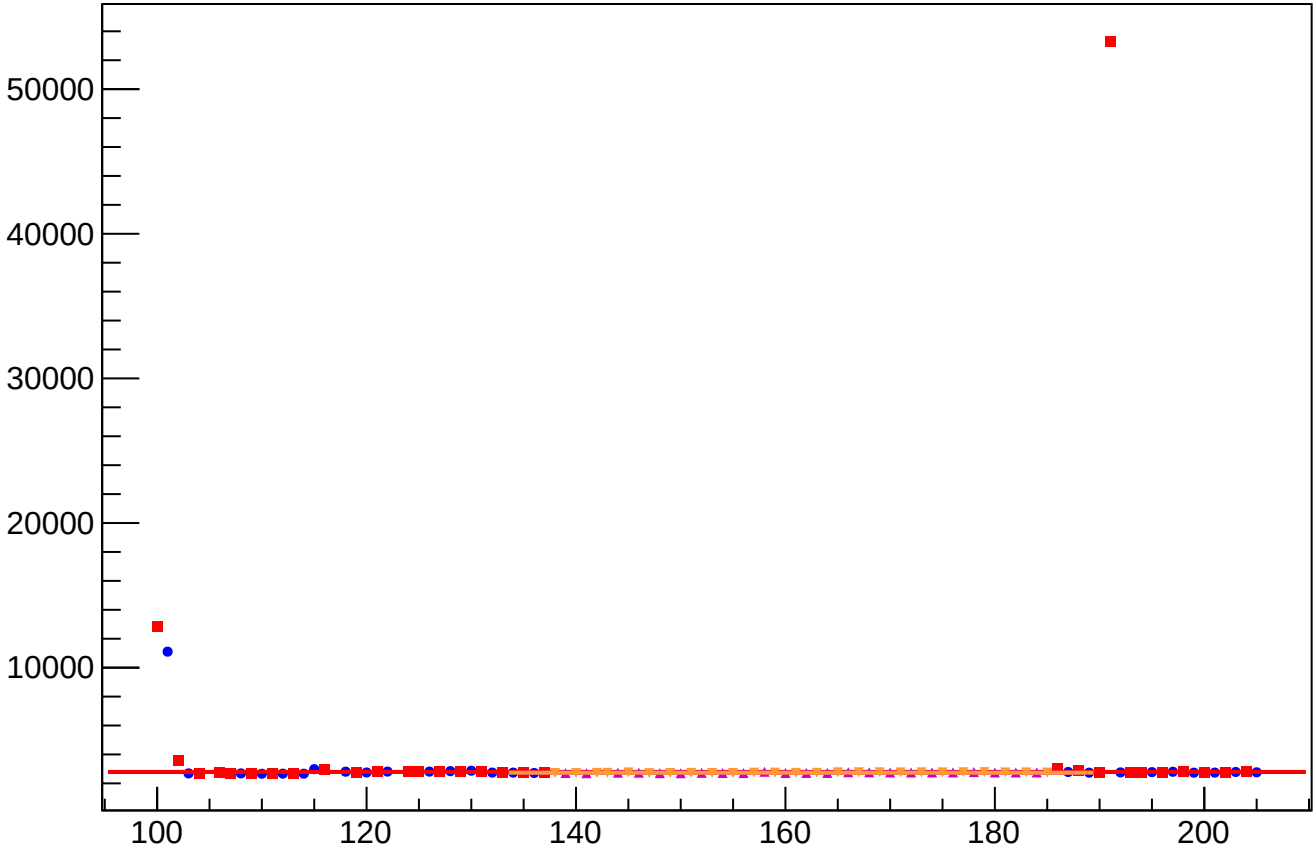
Right: 2479.888+/-520.582 χ^2/NDF: 42.0/54

In: 2315.677+/-487.121 χ^2/NDF:55.2/47

Out: 2638.842+/-471.126 χ^2/NDF:49.6/54

All: 2482.652+/-338.650 χ^2/NDF: 105.0/102

reg_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2784.977+/-0.531 χ^2/NDF: 748490.2/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2793.345+/-0.510 χ^2/NDF: 479217.6/29

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

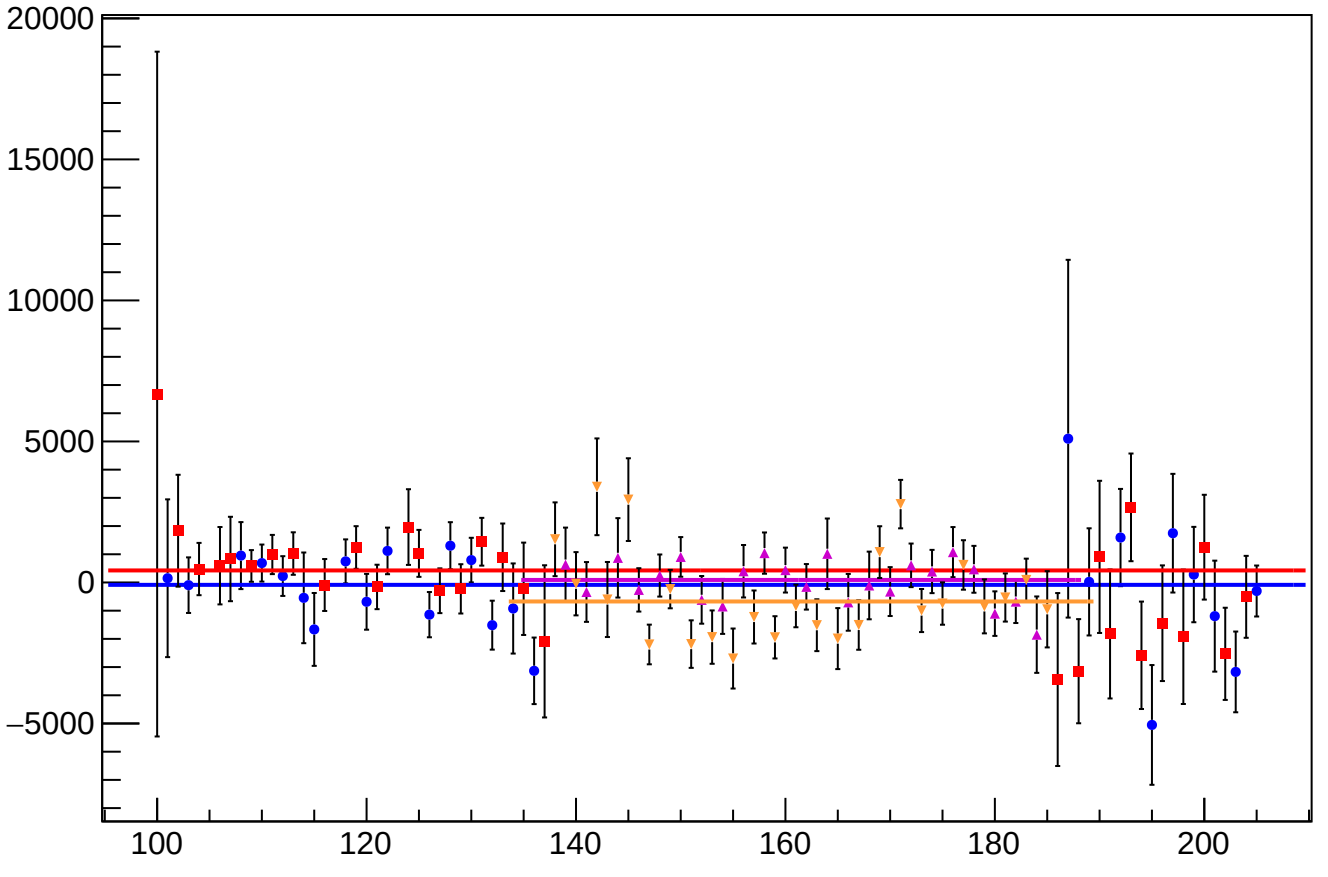
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2789.329+/-0.368 χ^2/NDF: 1227836.8/54

In: 2758.820+/-0.344 χ^2/NDF:756031.6/47

Out: 2761.299+/-0.333 χ^2/NDF:488401.8/54

All: 2760.101+/-0.239 χ^2/NDF: 1244460.2/10



Right In: -84.549+/-214.418 χ^2/NDF: 35.9/24

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: 426.703+/-202.967 χ^2/NDF: 26.0/29

Left In: 89.519+/-183.491 χ^2/NDF:14.8/22

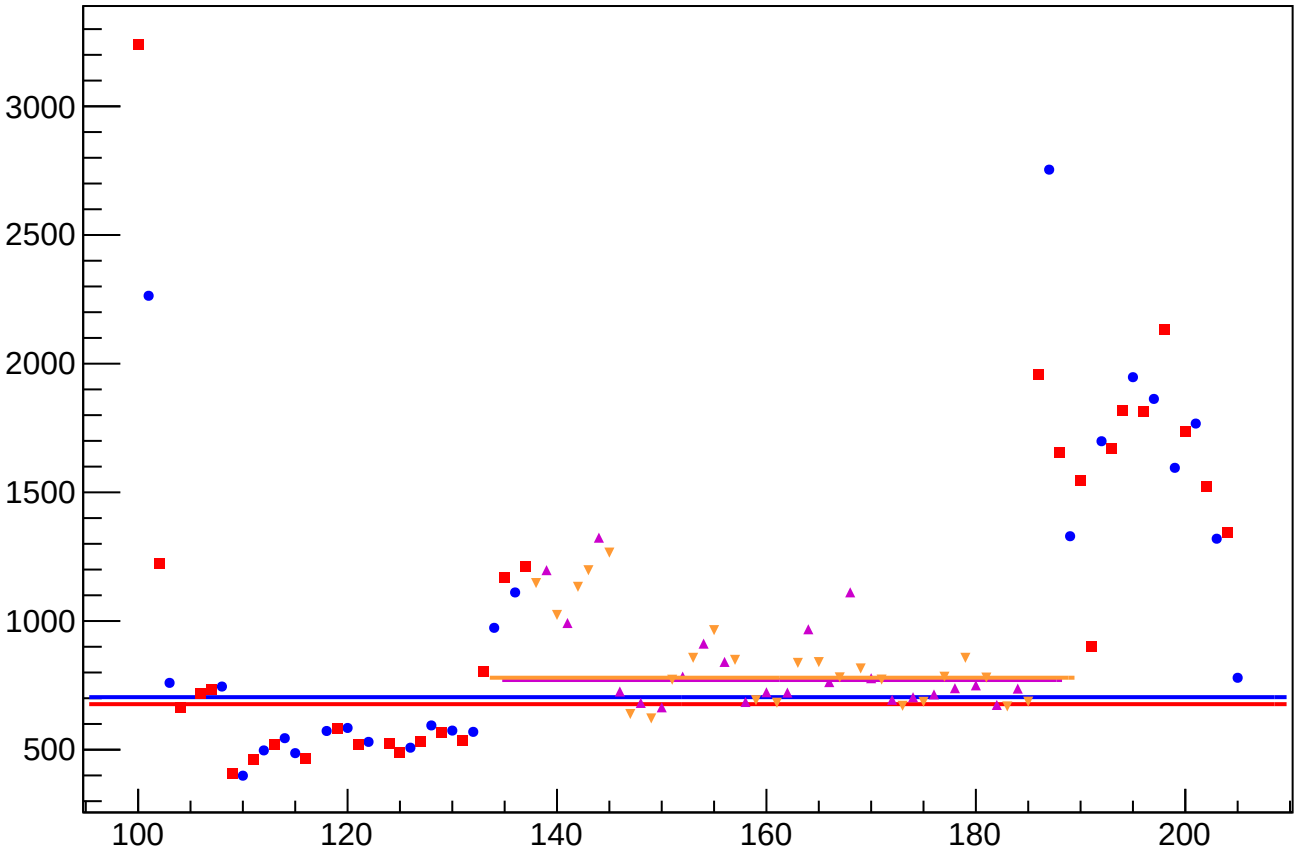
Left: -296.818+/-128.941 χ^2/NDF: 81.9/47

Right: 185.093+/-147.402 χ^2/NDF: 64.9/54

In: 15.933+/-139.412 χ^2/NDF:51.0/47

Out: -185.553+/-135.183 χ^2/NDF:100.7/54

All: -87.912+/-97.050 χ^2/NDF: 152.8/102



Right In: 704.181+/-0.152 χ^2/NDF: 5944371.4/24

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 676.992+/-0.144 χ^2/NDF: 7127010.8/29

Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

Left: 775.310+/-0.091 χ^2/NDF: 2322491.0/47

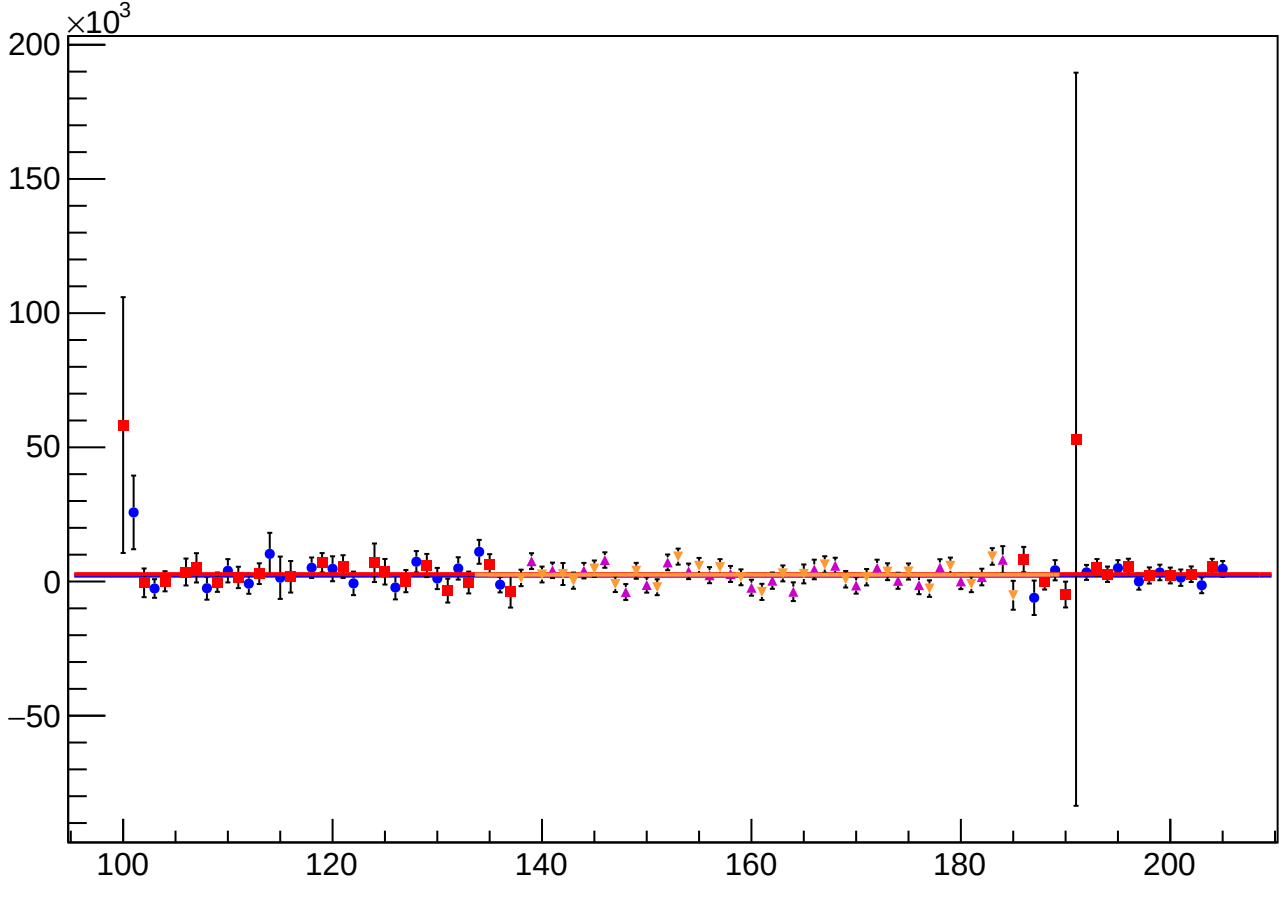
Right: 689.841+/-0.104 χ^2/NDF: 13088342.9/54

In: 742.634+/-0.099 χ^2/NDF:7132157.2/47

Out: 734.147+/-0.096 χ^2/NDF:8655788.9/54

All: 738.260+/-0.069 χ^2/NDF: 15791766.7/10

cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2187.523+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2752.951+/-722.656 χ^2/NDF: 18.0/29

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

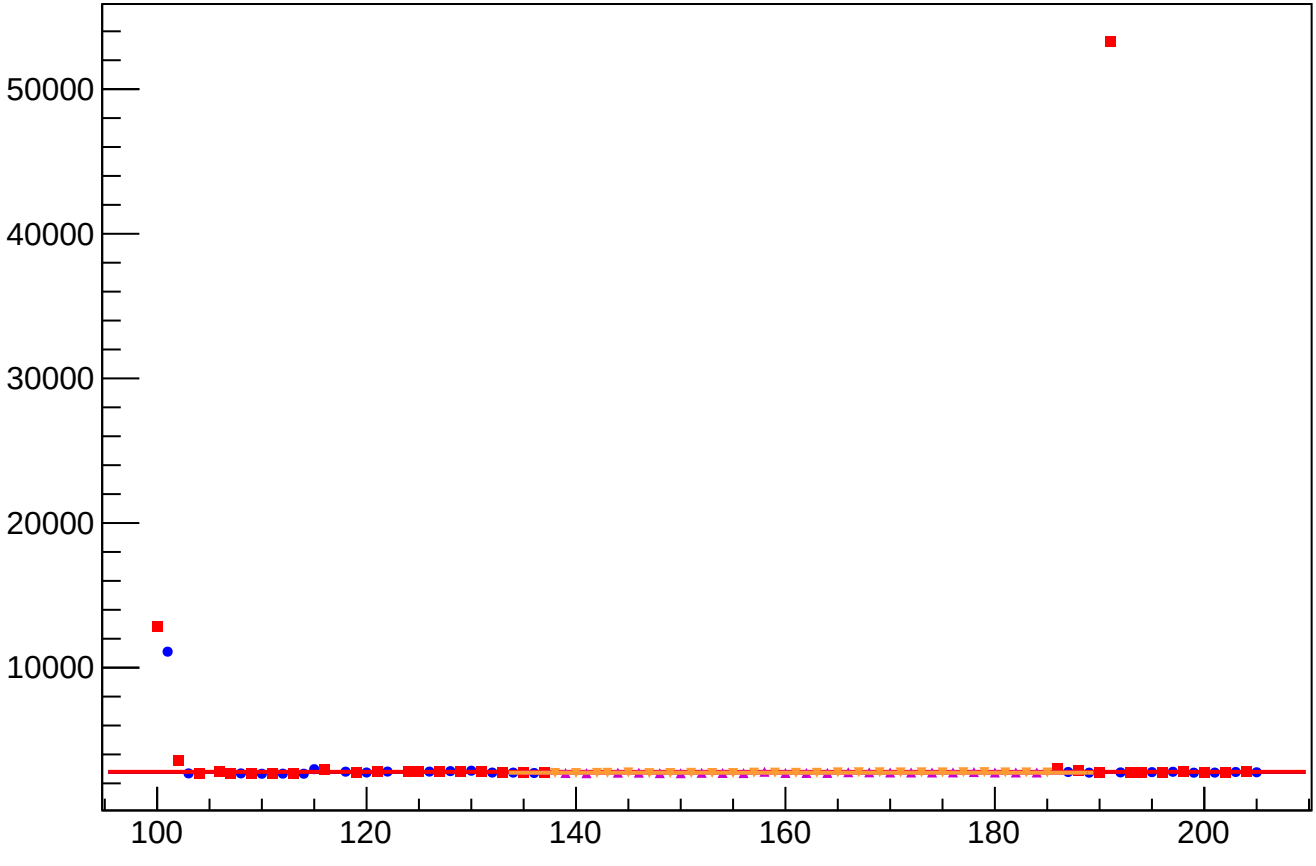
Right: 2481.286+/-520.884 χ^2/NDF: 42.0/54

In: 2315.625+/-487.121 χ^2/NDF:55.1/47

Out: 2640.241+/-471.350 χ^2/NDF:49.6/54

All: 2483.272+/-338.733 χ^2/NDF: 105.0/102

cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2784.977+/-0.531 χ^2/NDF: 748489.3/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.943+/-0.511 χ^2/NDF: 478900.8/29

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

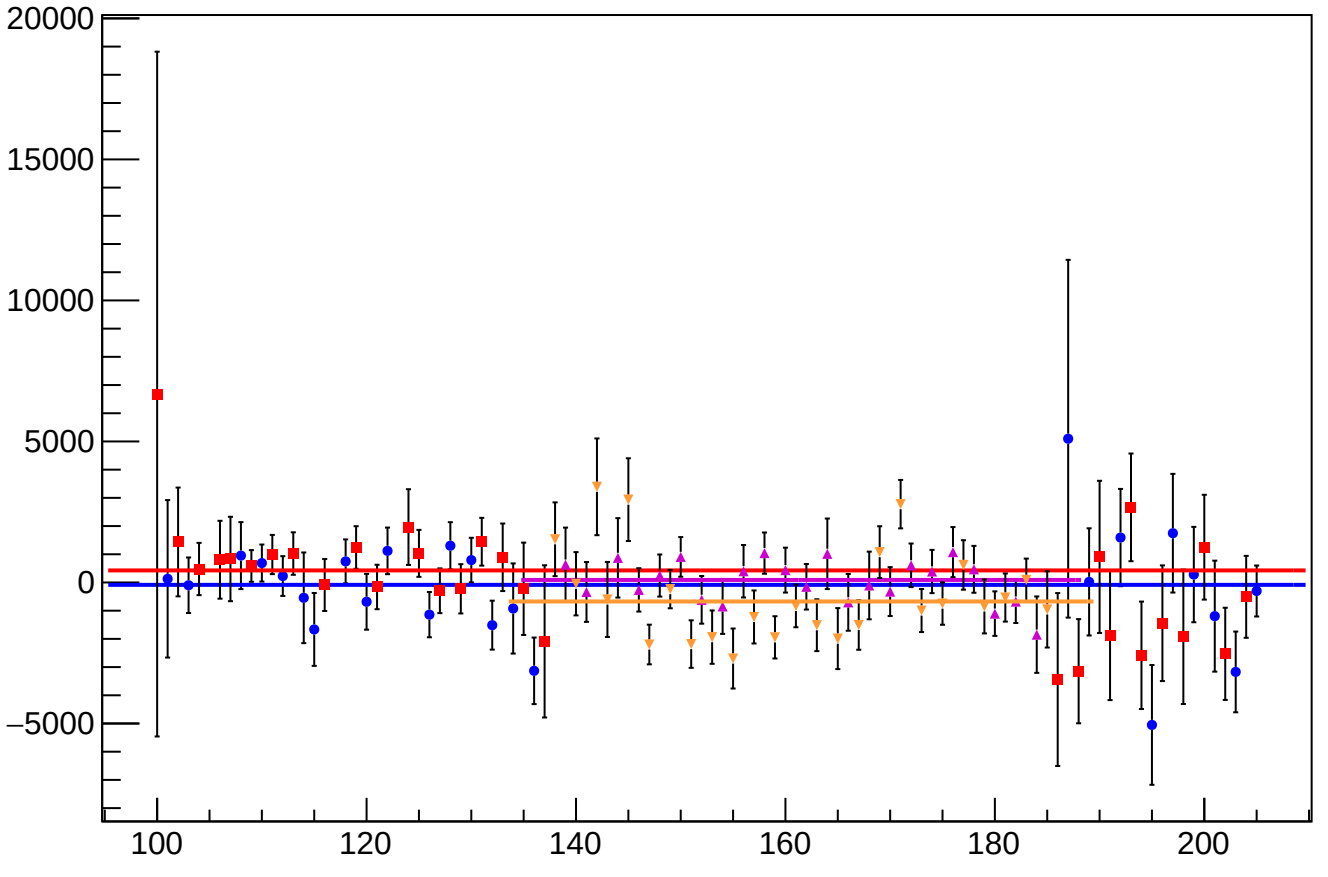
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2790.674+/-0.368 χ^2/NDF: 1227611.4/54

In: 2758.820+/-0.344 χ^2/NDF:756030.7/47

Out: 2762.374+/-0.333 χ^2/NDF:488729.3/54

All: 2760.655+/-0.240 χ^2/NDF: 1244814.9/10



Right In: -84.574+/-214.409 χ^2/NDF: 35.9/24

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 427.523+/-202.935 χ^2/NDF: 25.9/29

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

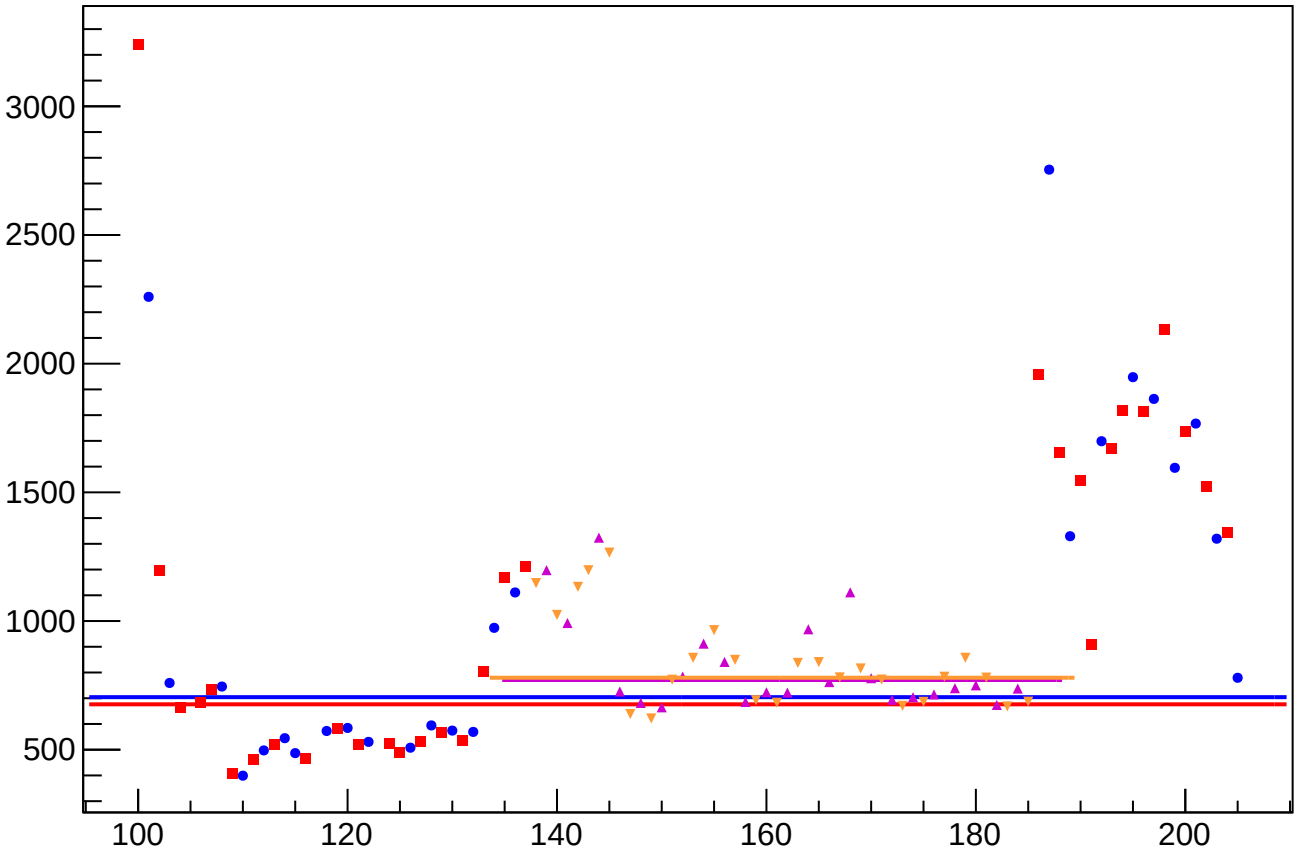
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 185.544+/-147.386 χ^2/NDF: 64.8/54

In: 15.990+/-139.410 χ^2/NDF:51.0/47

Out: -185.057+/-135.174 χ^2/NDF:100.6/54

All: -87.634+/-97.045 χ^2/NDF: 152.7/102



Right In: 704.170+/-0.152 χ^2/NDF: 5943473.4/24

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.326+/-0.143 χ^2/NDF: 7121008.7/29

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

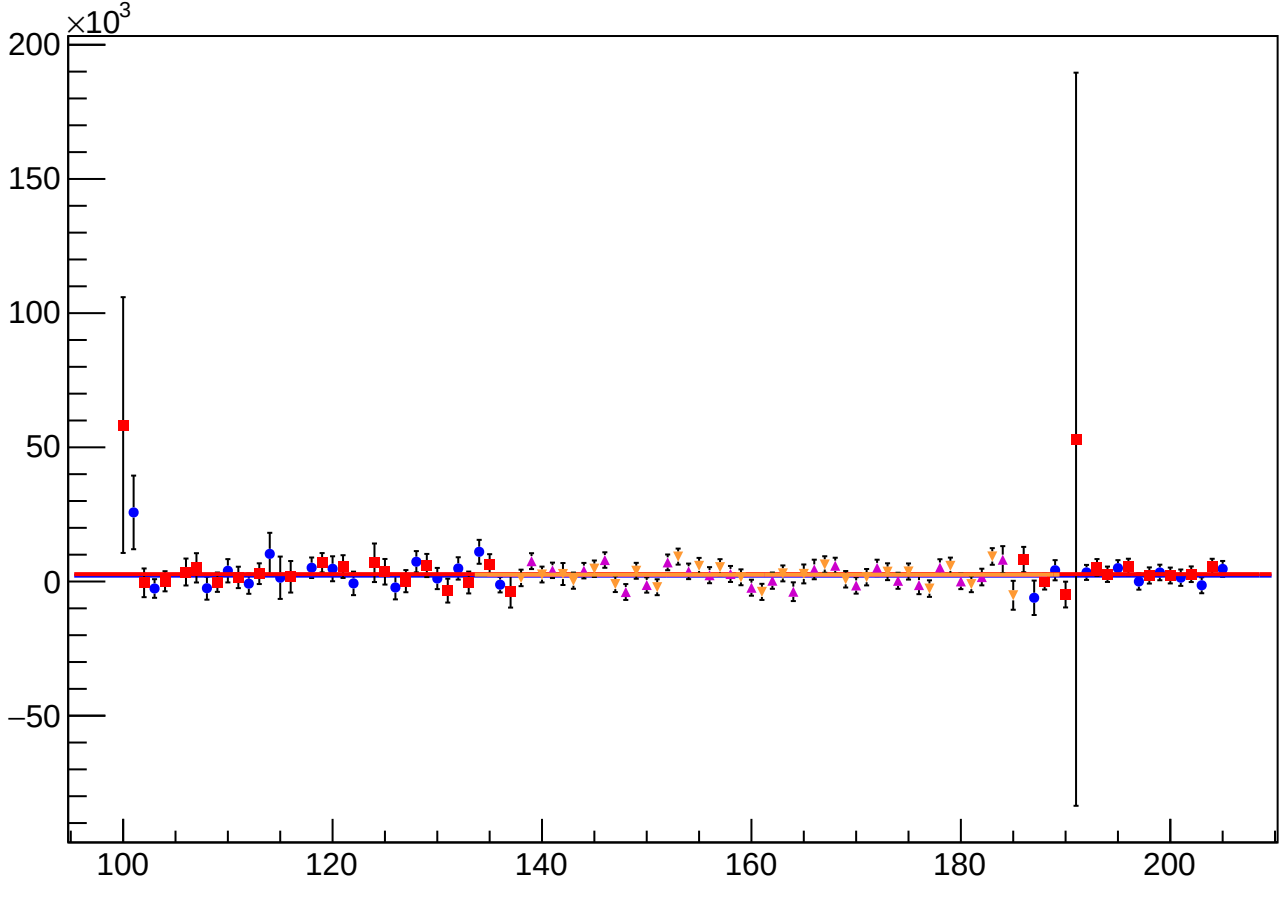
Right: 689.483+/-0.104 χ^2/NDF: 13082273.4/54

In: 742.631+/-0.099 χ^2/NDF:7131249.2/47

Out: 733.842+/-0.096 χ^2/NDF:8653560.4/54

All: 738.101+/-0.069 χ^2/NDF: 15788906.2/10

eigen_cor_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2187.523+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: 2752.951+/-722.656 χ^2/NDF: 18.0/29

Left In: 2408.461+/-639.726 χ^2/NDF:31.4/22

Left: 2484.728+/-445.893 χ^2/NDF: 63.0/47

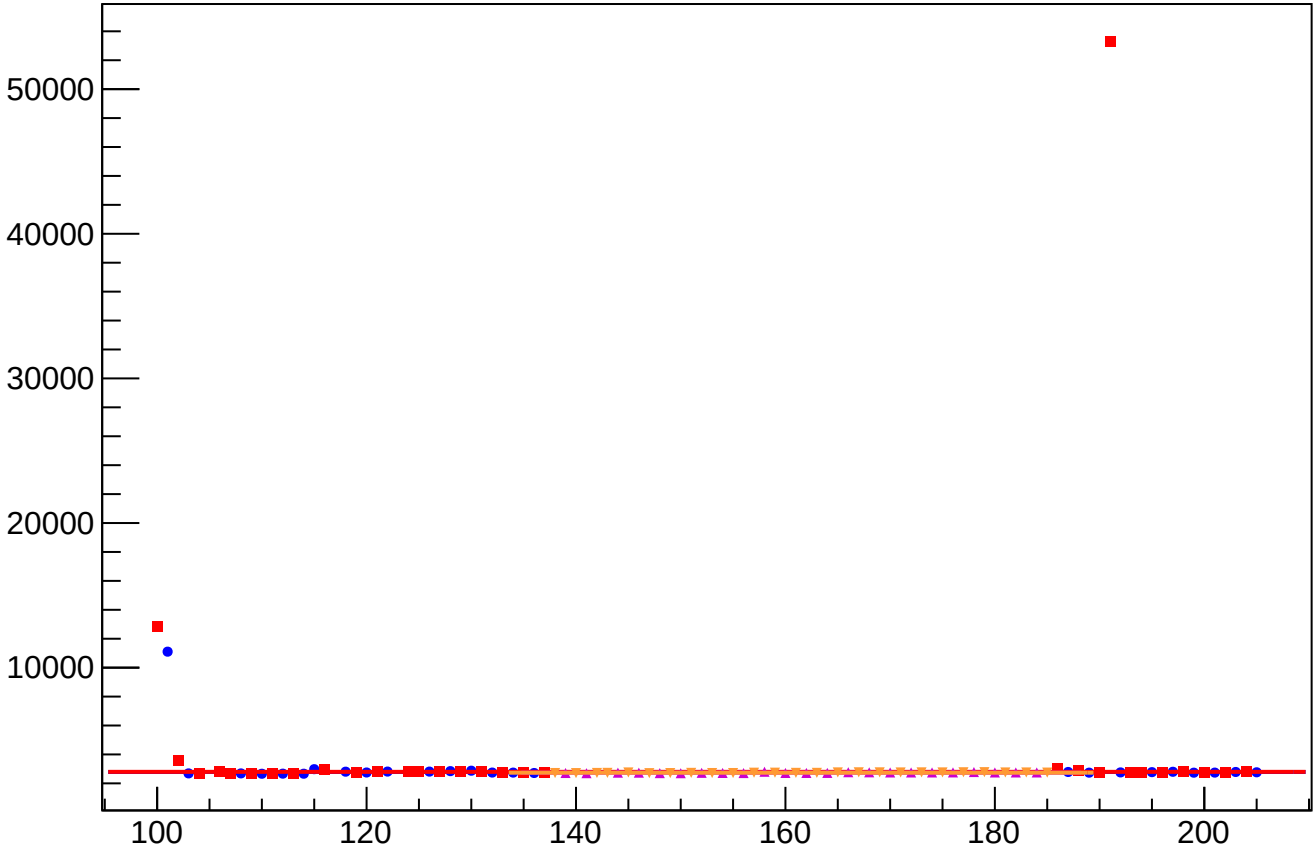
Right: 2481.286+/-520.884 χ^2/NDF: 42.0/54

In: 2315.625+/-487.121 χ^2/NDF:55.1/47

Out: 2640.241+/-471.350 χ^2/NDF:49.6/54

All: 2483.272+/-338.733 χ^2/NDF: 105.0/102

eigen_cor_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2784.977+/-0.531 χ^2/NDF: 748489.3/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2795.943+/-0.511 χ^2/NDF: 478900.8/29

Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

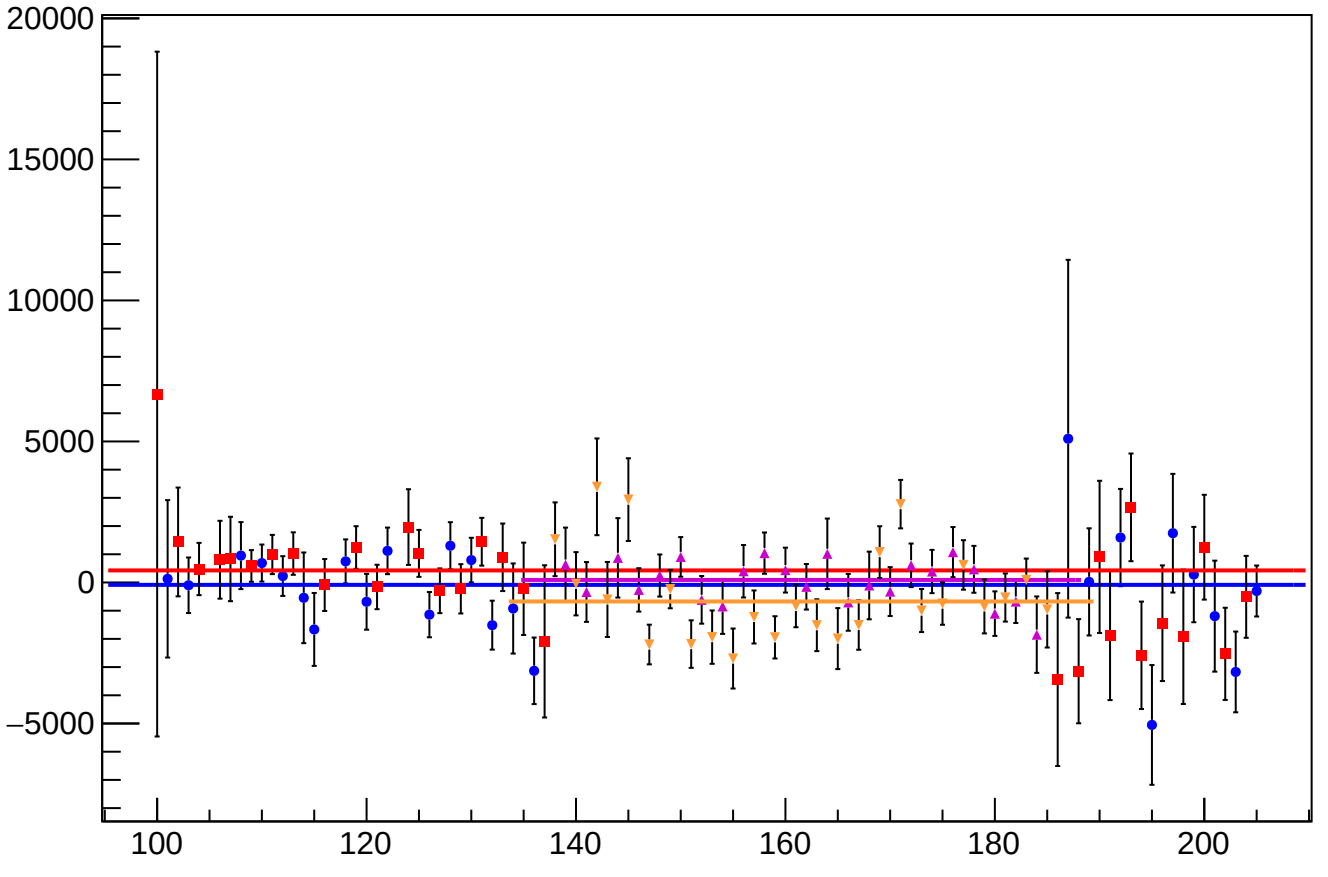
Left: 2738.658+/-0.315 χ^2/NDF: 5693.3/47

Right: 2790.674+/-0.368 χ^2/NDF: 1227611.4/54

In: 2758.820+/-0.344 χ^2/NDF:756030.7/47

Out: 2762.374+/-0.333 χ^2/NDF:488729.3/54

All: 2760.655+/-0.240 χ^2/NDF: 1244814.9/10



Right In: -84.574+/-214.409 χ^2/NDF: 35.9/24

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: 427.523+/-202.935 χ^2/NDF: 25.9/29

Left In: 89.643+/-183.492 χ^2/NDF:14.8/22

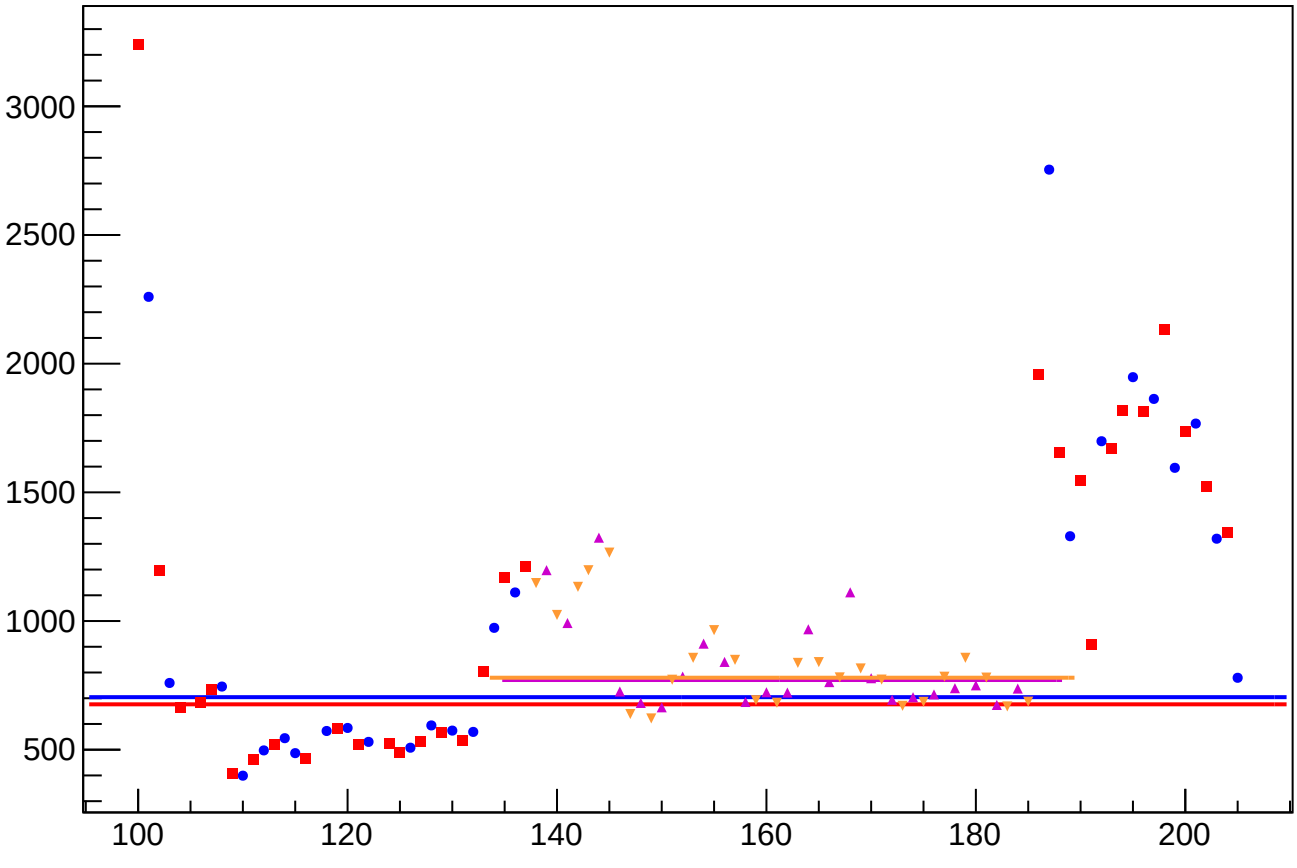
Left: -296.716+/-128.941 χ^2/NDF: 81.9/47

Right: 185.544+/-147.386 χ^2/NDF: 64.8/54

In: 15.990+/-139.410 χ^2/NDF:51.0/47

Out: -185.057+/-135.174 χ^2/NDF:100.6/54

All: -87.634+/-97.045 χ^2/NDF: 152.7/102



Right In: 704.170+/-0.152 χ^2/NDF: 5943473.4/24

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.326+/-0.143 χ^2/NDF: 7121008.7/29

Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

Left: 775.311+/-0.091 χ^2/NDF: 2322450.1/47

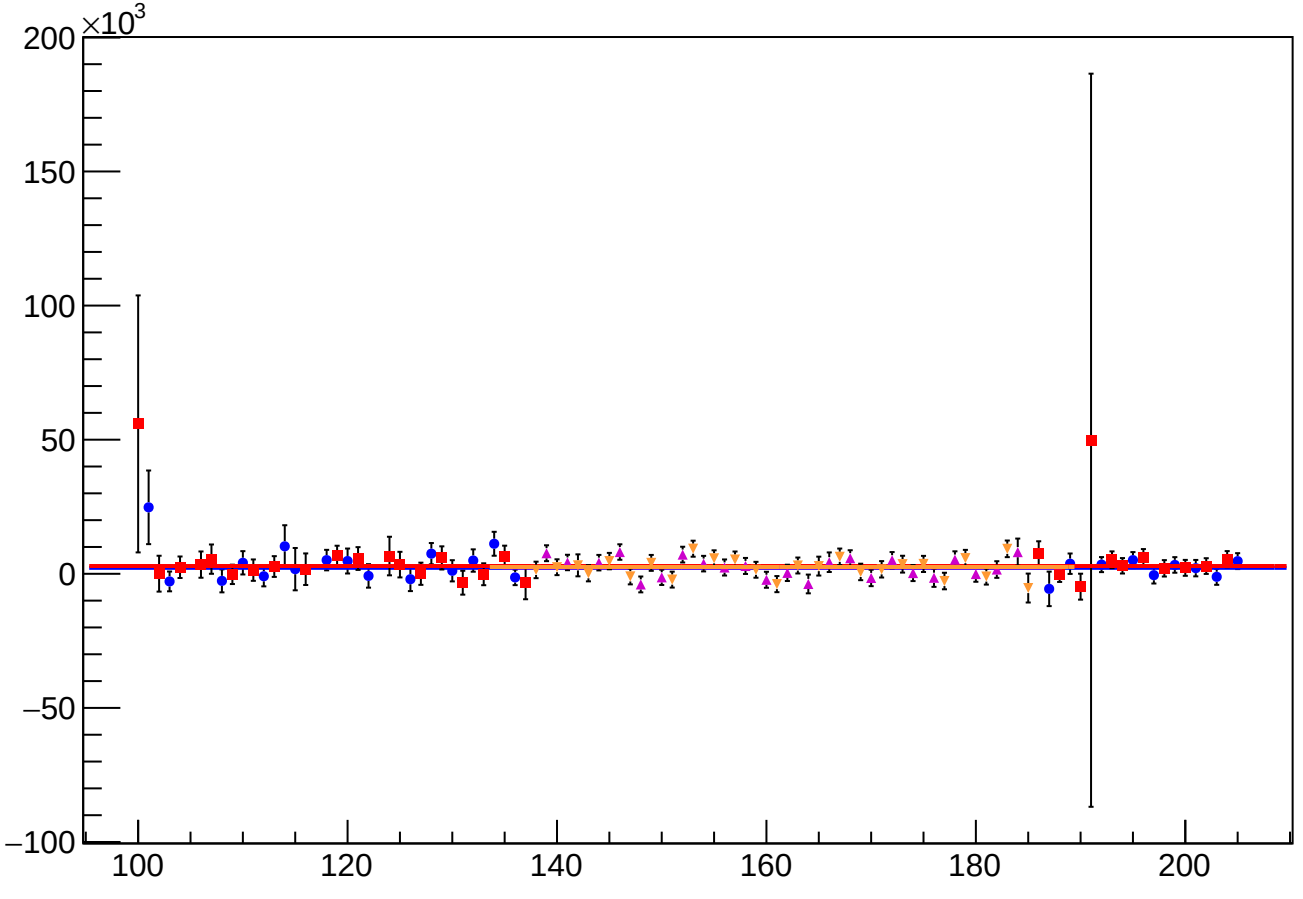
Right: 689.483+/-0.104 χ^2/NDF: 13082273.4/54

In: 742.631+/-0.099 χ^2/NDF:7131249.2/47

Out: 733.842+/-0.096 χ^2/NDF:8653560.4/54

All: 738.101+/-0.069 χ^2/NDF: 15788906.2/10

dit_asym_atr1_mean vs Slug, Sign Corrected



Right In: 2227.905+/-756.102 χ^2/NDF: 23.5/24

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: 2903.290+/-728.723 χ^2/NDF: 17.0/29

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

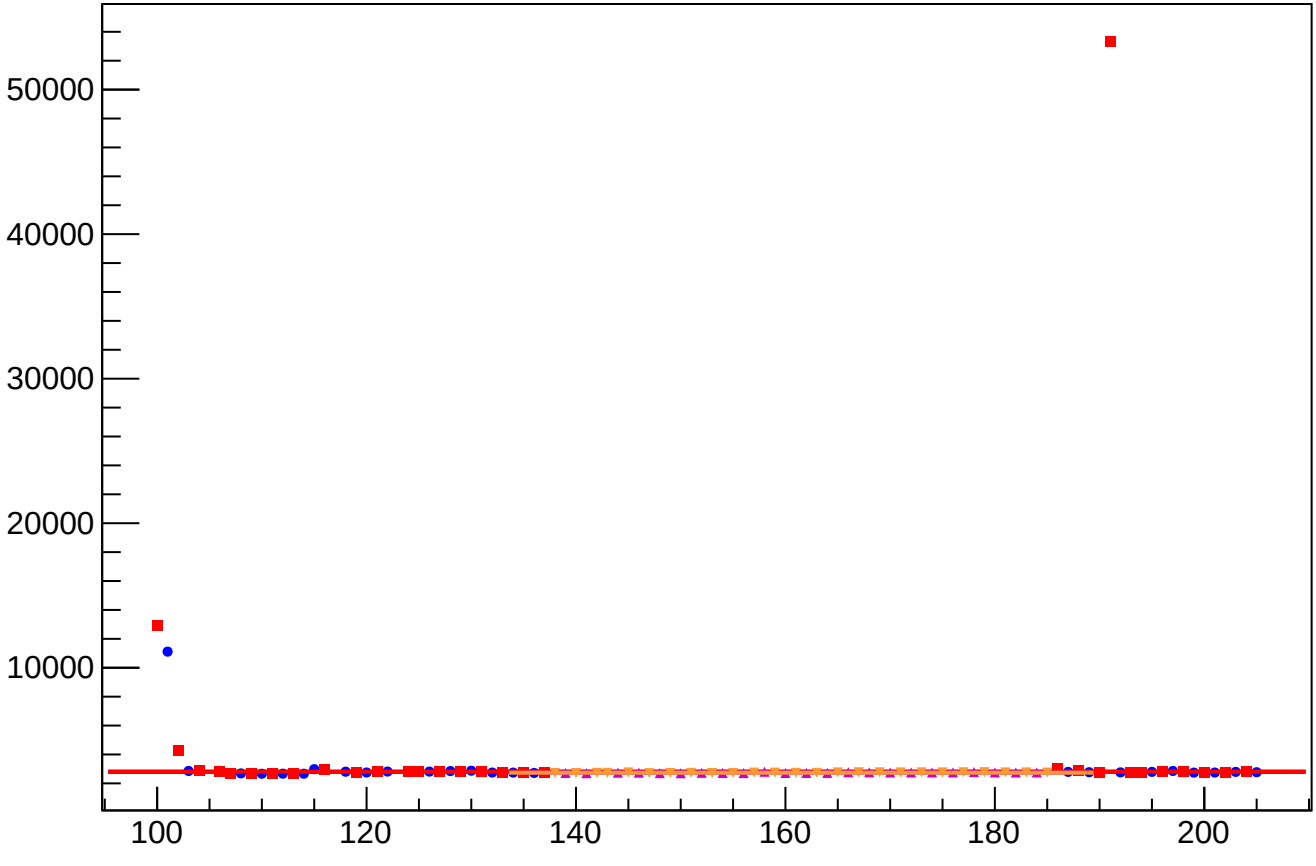
Right: 2578.047+/-524.697 χ^2/NDF: 41.0/54

In: 2332.150+/-488.534 χ^2/NDF:55.4/47

Out: 2696.103+/-473.201 χ^2/NDF:49.1/54

All: 2519.927+/-339.895 χ^2/NDF: 104.8/102

dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2801.982+/-0.535 χ^2/NDF: 747486.2/24

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.230+/-0.515 χ^2/NDF: 532222.4/29

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

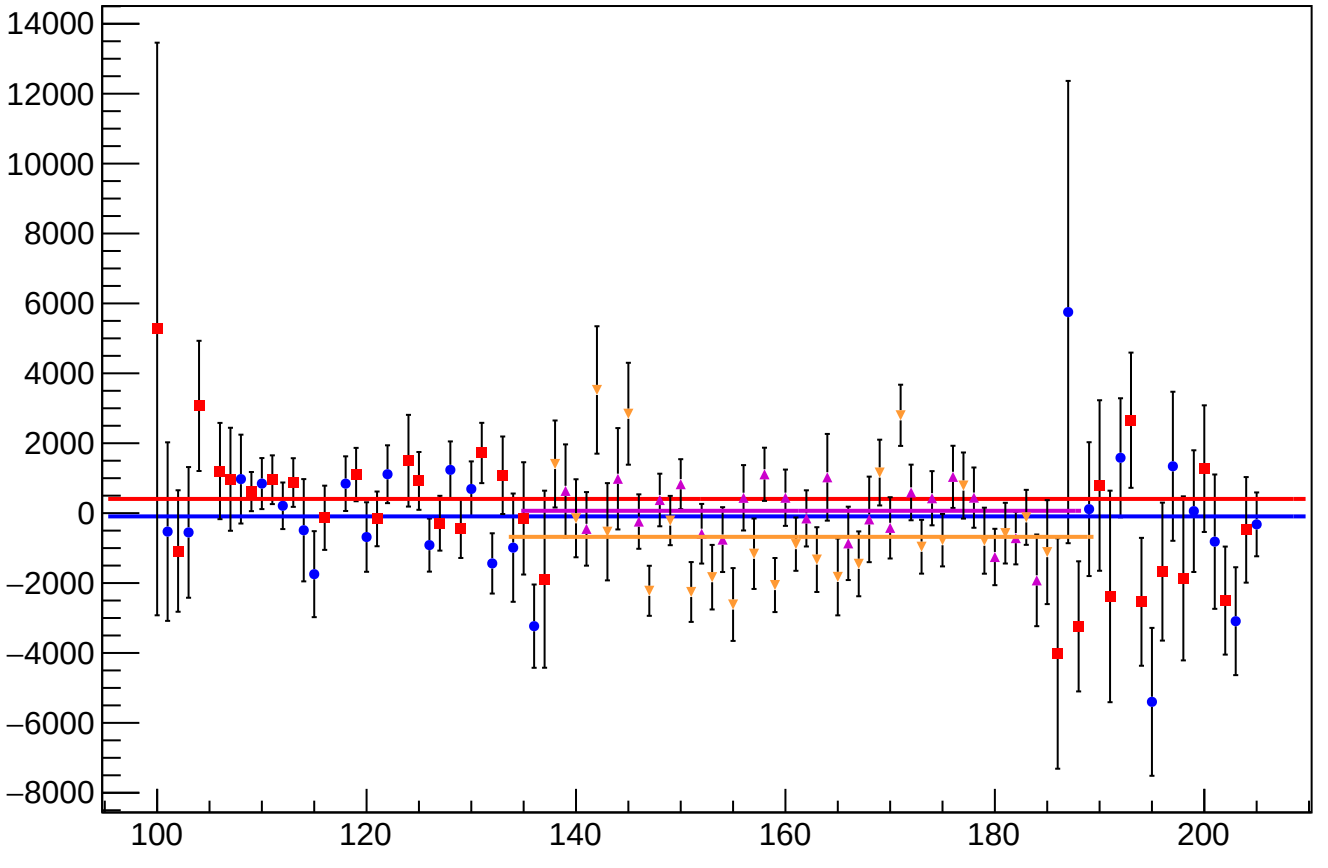
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2807.813+/-0.371 χ^2/NDF: 1279938.1/54

In: 2766.686+/-0.345 χ^2/NDF:758337.5/47

Out: 2770.476+/-0.335 χ^2/NDF:546448.4/54

All: 2768.641+/-0.240 χ^2/NDF: 1304848.1/10



Right In: -93.237+/-218.019 χ^2/NDF: 35.5/24

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: 406.626+/-203.944 χ^2/NDF: 29.6/29

Left In: 67.156+/-185.436 χ^2/NDF:15.8/22

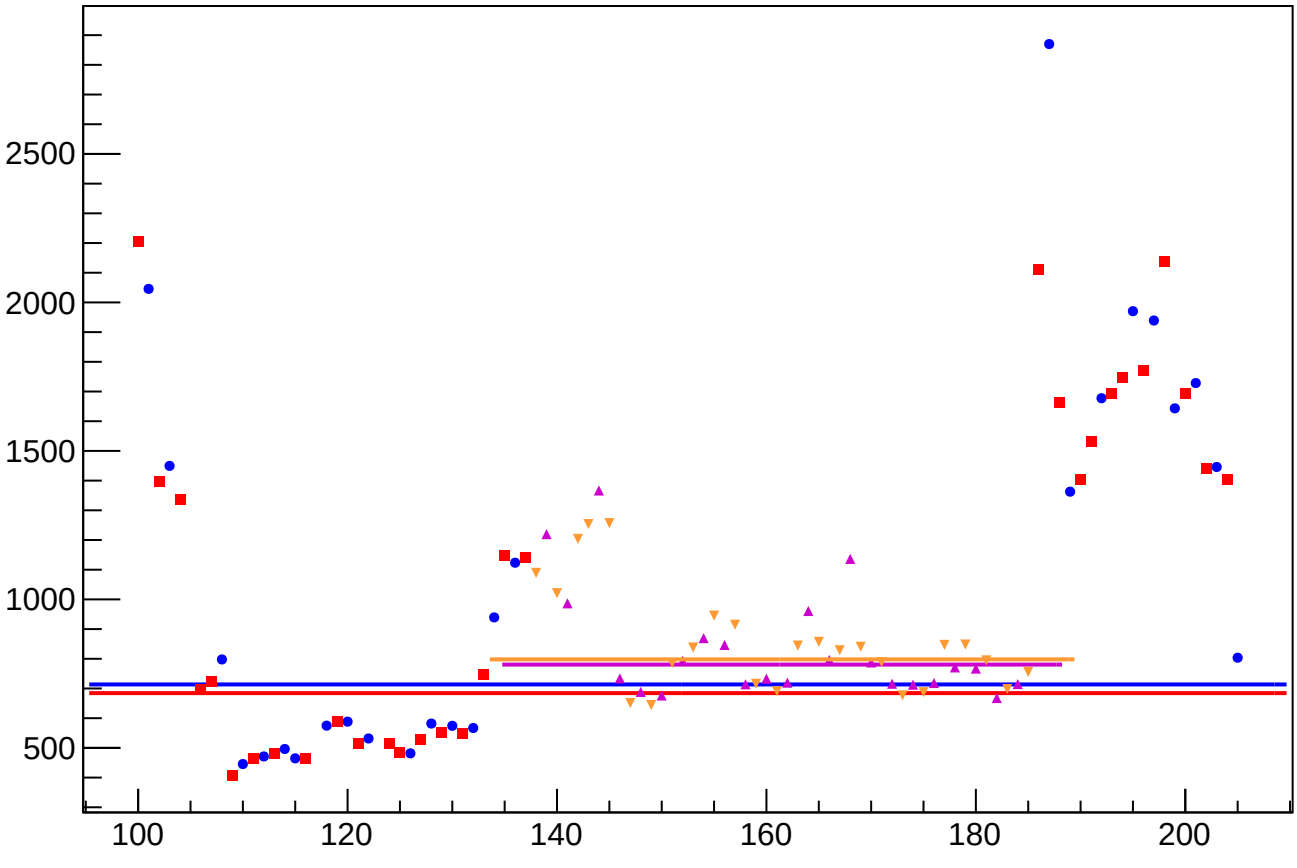
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 173.349+/-148.938 χ^2/NDF: 67.9/54

In: -0.171+/-141.253 χ^2/NDF:51.6/47

Out: -188.503+/-137.026 χ^2/NDF:101.4/54

All: -97.197+/-98.352 χ^2/NDF: 153.9/102



Right In: 713.602+/-0.154 χ^2/NDF: 6400271.8/24

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 684.454+/-0.144 χ^2/NDF: 7716076.5/29

Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

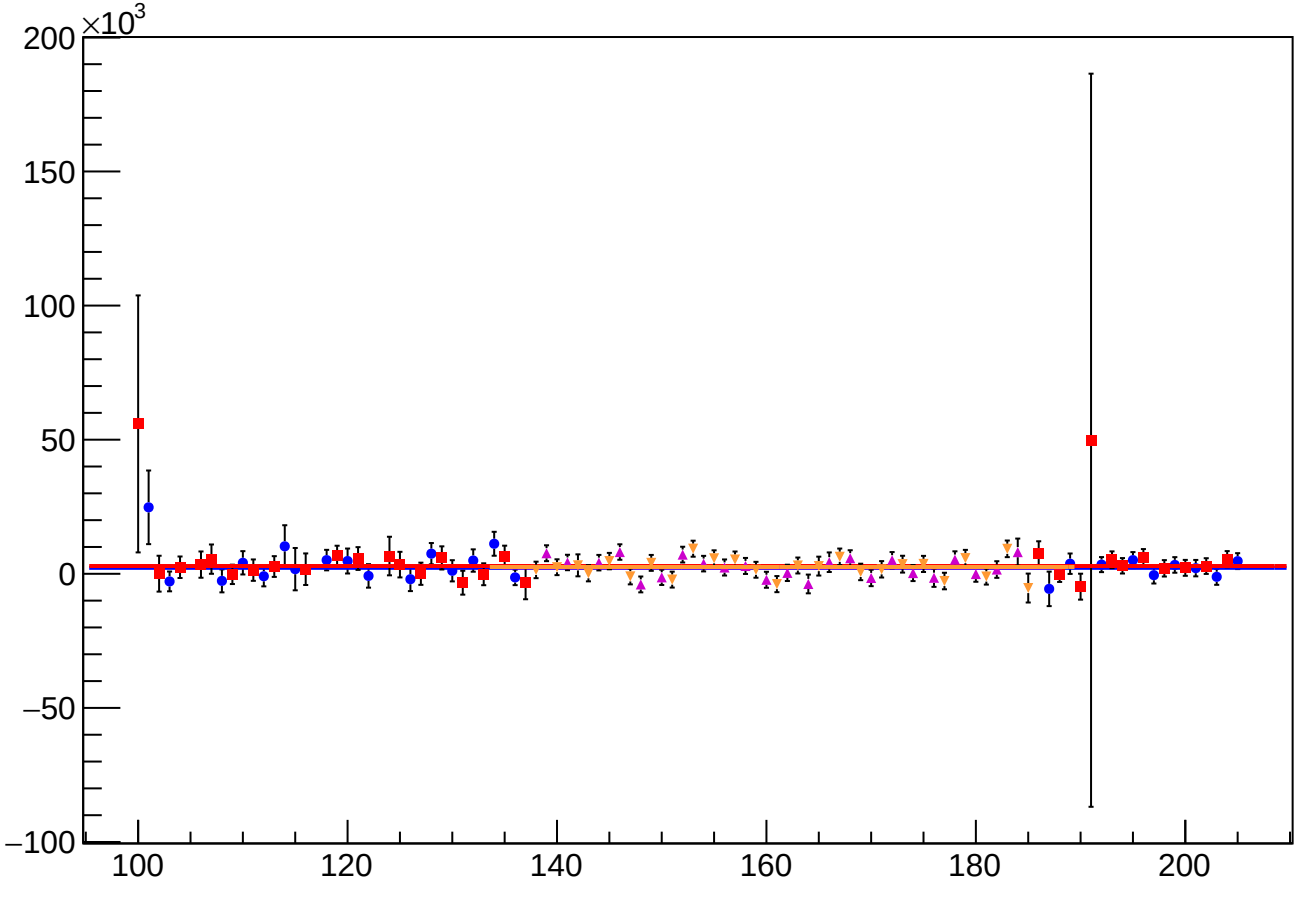
Left: 789.329+/-0.093 χ^2/NDF: 2242174.0/47

Right: 698.057+/-0.105 χ^2/NDF: 14135413.2/54

In: 752.433+/-0.100 χ^2/NDF:7574446.7/47

Out: 746.793+/-0.097 χ^2/NDF:9225064.2/54

All: 749.528+/-0.070 χ^2/NDF: 16801153.7/10



Right In: 2227.905+/-756.102 χ^2/NDF: 23.5/24

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: 2903.287+/-728.723 χ^2/NDF: 17.0/29

Left In: 2406.858+/-640.084 χ^2/NDF:31.8/22

Left: 2477.904+/-446.164 χ^2/NDF: 63.7/47

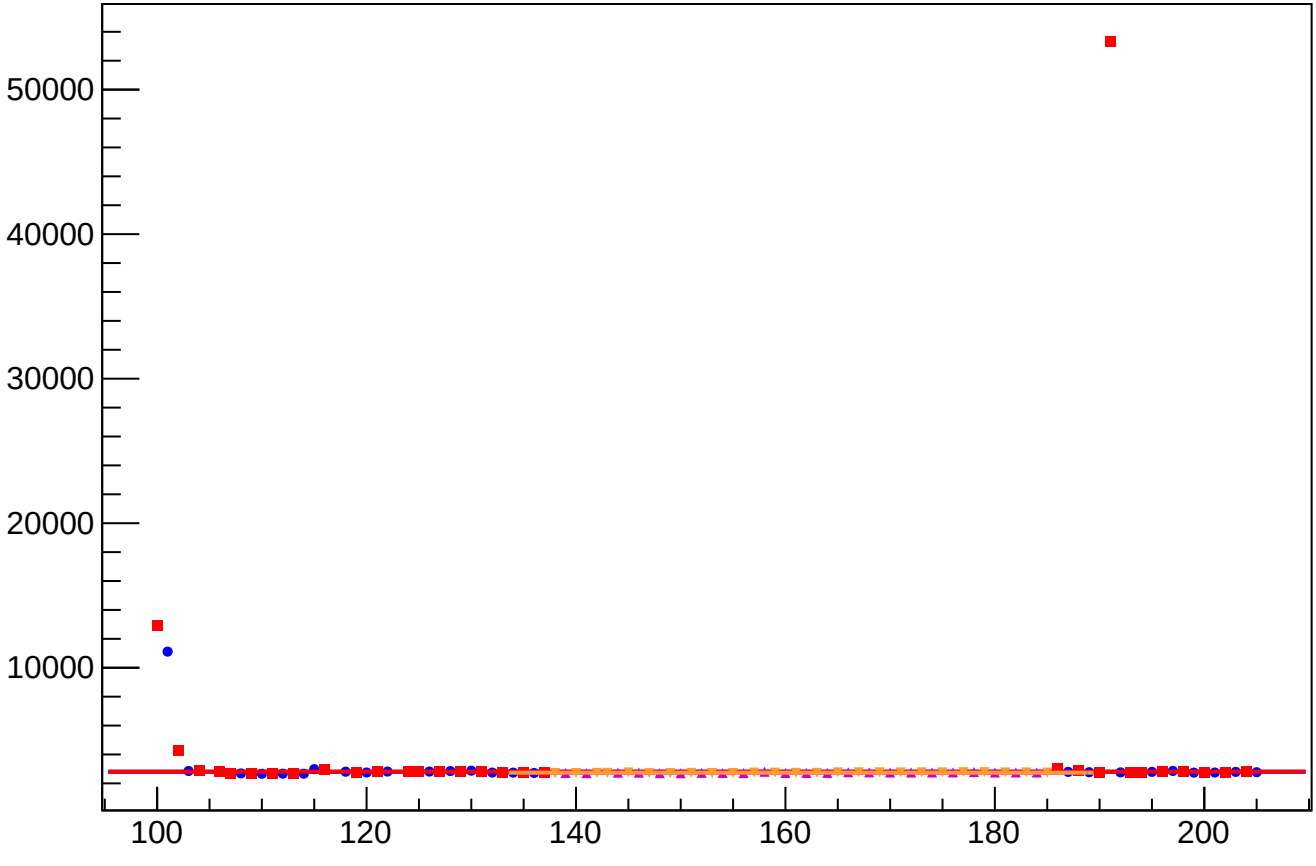
Right: 2578.045+/-524.697 χ^2/NDF: 41.0/54

In: 2332.150+/-488.534 χ^2/NDF:55.4/47

Out: 2696.102+/-473.201 χ^2/NDF:49.1/54

All: 2519.927+/-339.895 χ^2/NDF: 104.8/102

eigen_dit_asym_atr1_rms vs Slug, Sign Corrected



Right In: 2801.982+/-0.535 χ^2/NDF: 747486.2/24

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2813.230+/-0.515 χ^2/NDF: 532222.2/29

Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

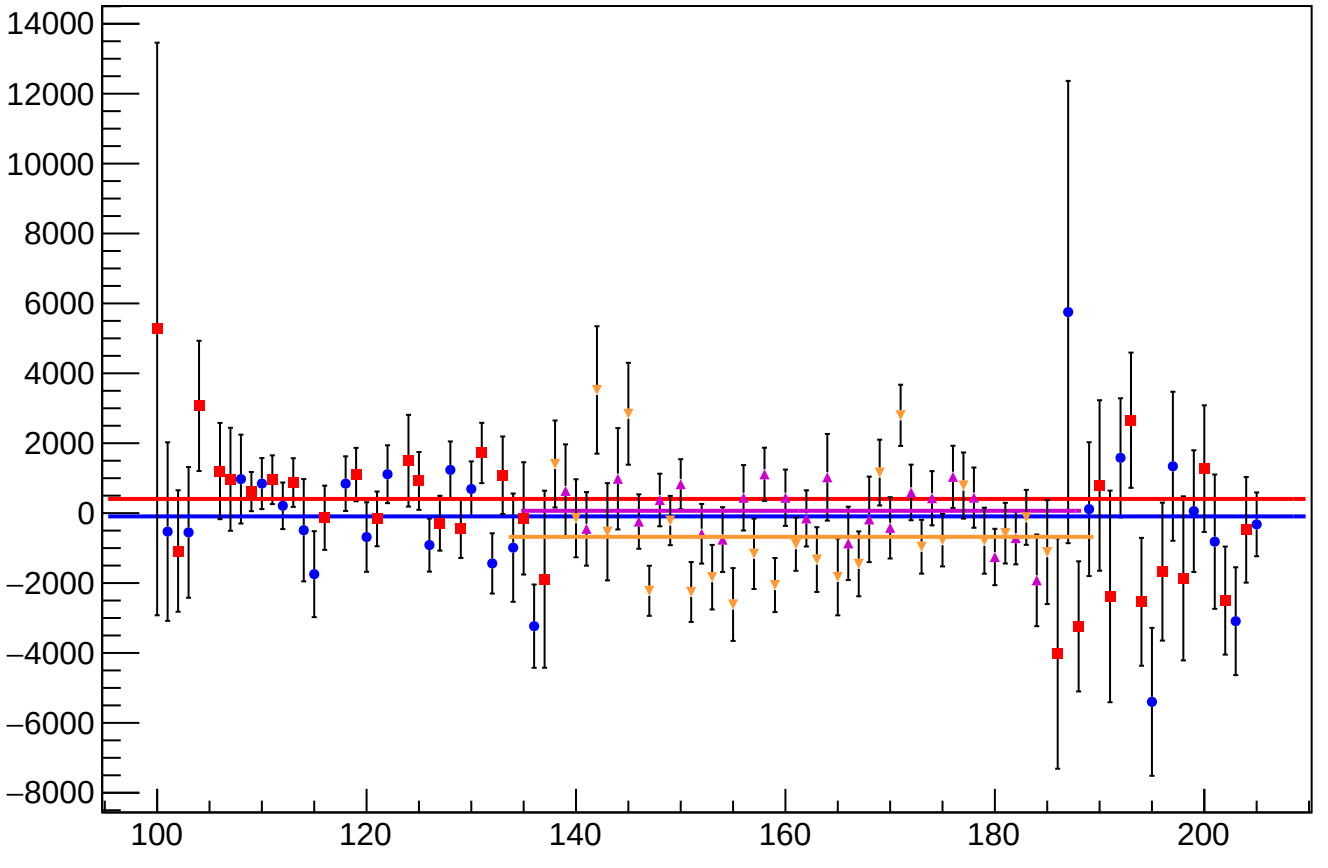
Left: 2740.318+/-0.315 χ^2/NDF: 5702.8/47

Right: 2807.813+/-0.371 χ^2/NDF: 1279937.9/54

In: 2766.686+/-0.345 χ^2/NDF:758337.5/47

Out: 2770.476+/-0.335 χ^2/NDF:546448.2/54

All: 2768.641+/-0.240 χ^2/NDF: 1304847.8/10



Right In: -93.236+/-218.019 χ^2/NDF: 35.5/24

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: 406.626+/-203.944 χ^2/NDF: 29.6/29

Left In: 67.157+/-185.436 χ^2/NDF:15.8/22

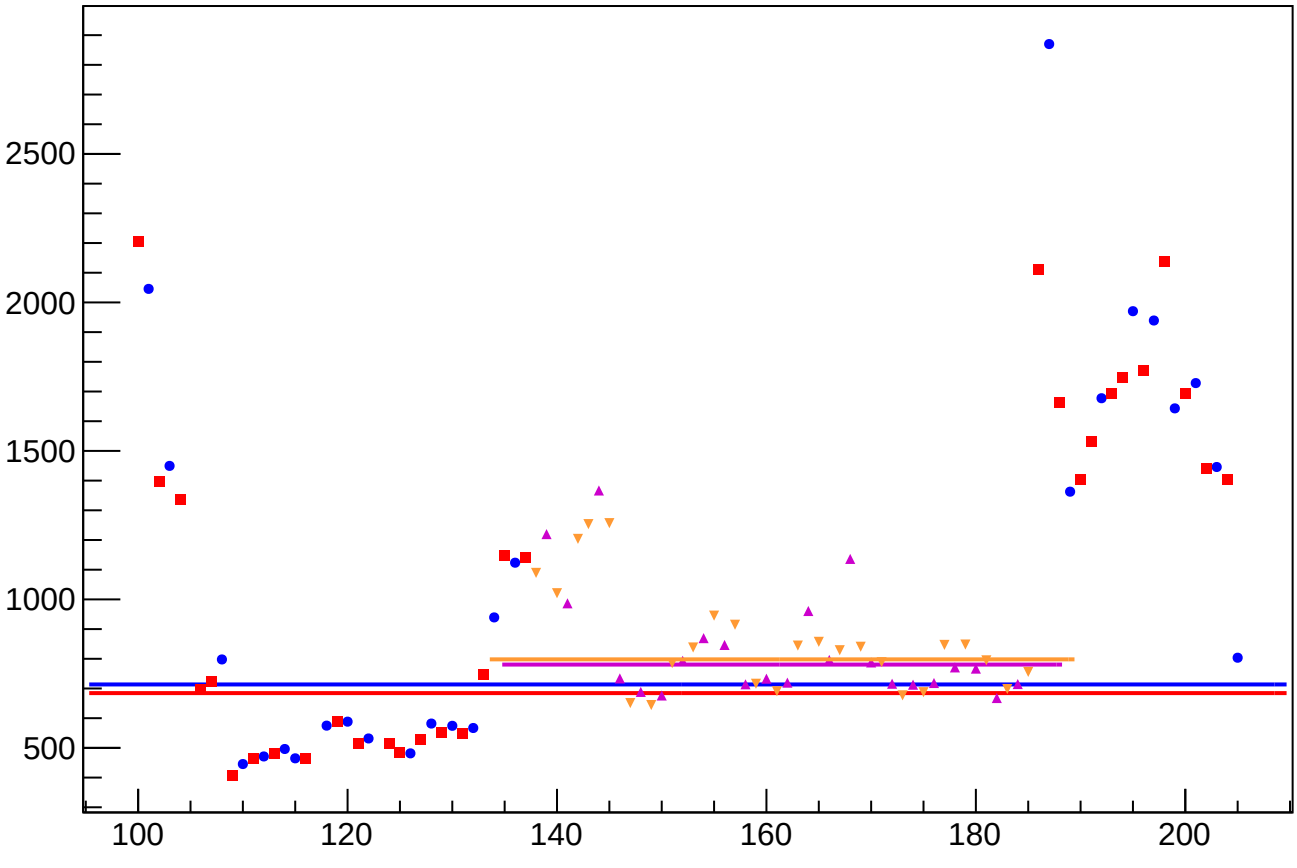
Left: -306.403+/-130.970 χ^2/NDF: 80.1/47

Right: 173.349+/-148.938 χ^2/NDF: 67.9/54

In: -0.170+/-141.253 χ^2/NDF:51.6/47

Out: -188.503+/-137.026 χ^2/NDF:101.4/54

All: -97.197+/-98.352 χ^2/NDF: 153.9/102



Right In: 713.602+/-0.154 χ^2/NDF: 6400269.0/24

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 684.454+/-0.144 χ^2/NDF: 7716080.2/29

Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

Left: 789.329+/-0.093 χ^2/NDF: 2242179.2/47

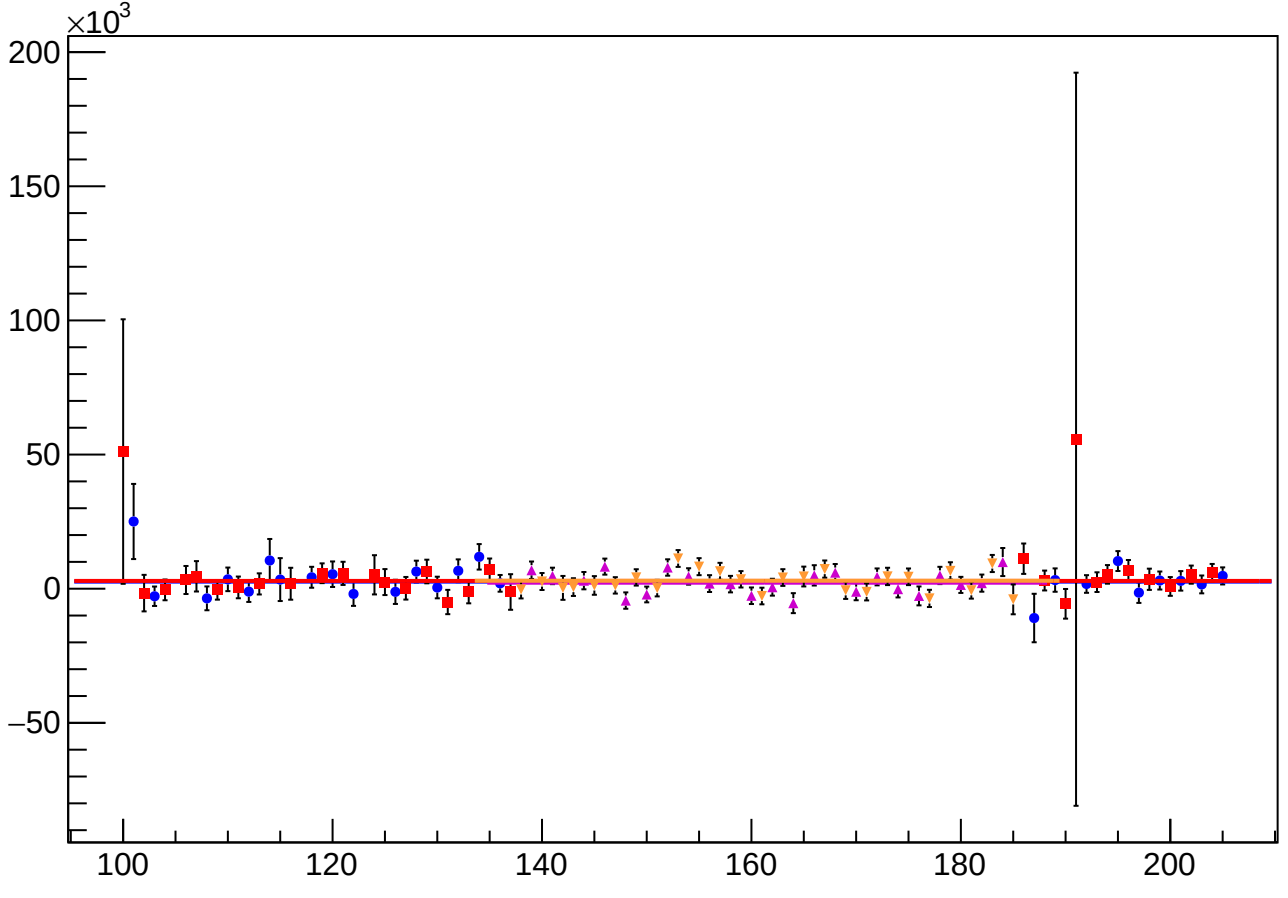
Right: 698.057+/-0.105 χ^2/NDF: 14135414.5/54

In: 752.433+/-0.100 χ^2/NDF:7574444.9/47

Out: 746.793+/-0.097 χ^2/NDF:9225069.4/54

All: 749.528+/-0.070 χ^2/NDF: 16801157.0/10

asym_atr1_mean vs Slug, Sign Corrected



Right In: 2647.021+/-824.918 χ^2/NDF: 25.3/24

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: 2903.710+/-802.356 χ^2/NDF: 19.0/29

Left In: 2237.495+/-670.327 χ^2/NDF:33.8/22

Left: 2612.837+/-467.852 χ^2/NDF: 70.1/47

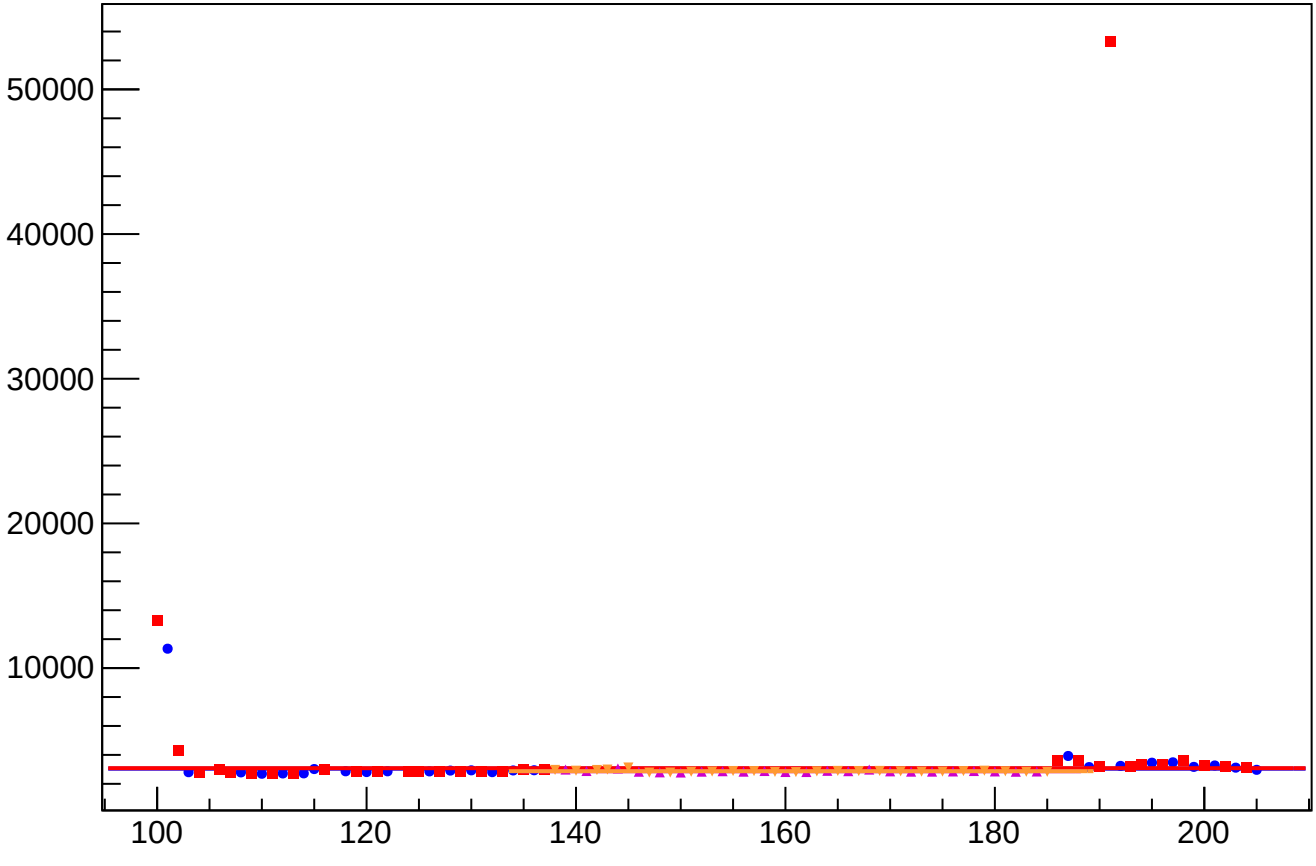
Right: 2778.924+/-575.162 χ^2/NDF: 44.3/54

In: 2400.366+/-520.225 χ^2/NDF:59.2/47

Out: 2943.174+/-506.600 χ^2/NDF:54.7/54

All: 2678.971+/-362.942 χ^2/NDF: 114.5/102

asym_atr1_rms vs Slug, Sign Corrected



Right In: 3047.745+/-0.583 χ^2/NDF: 868221.4/24

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

Right Out: 3081.981+/-0.567 χ^2/NDF: 714134.3/29

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

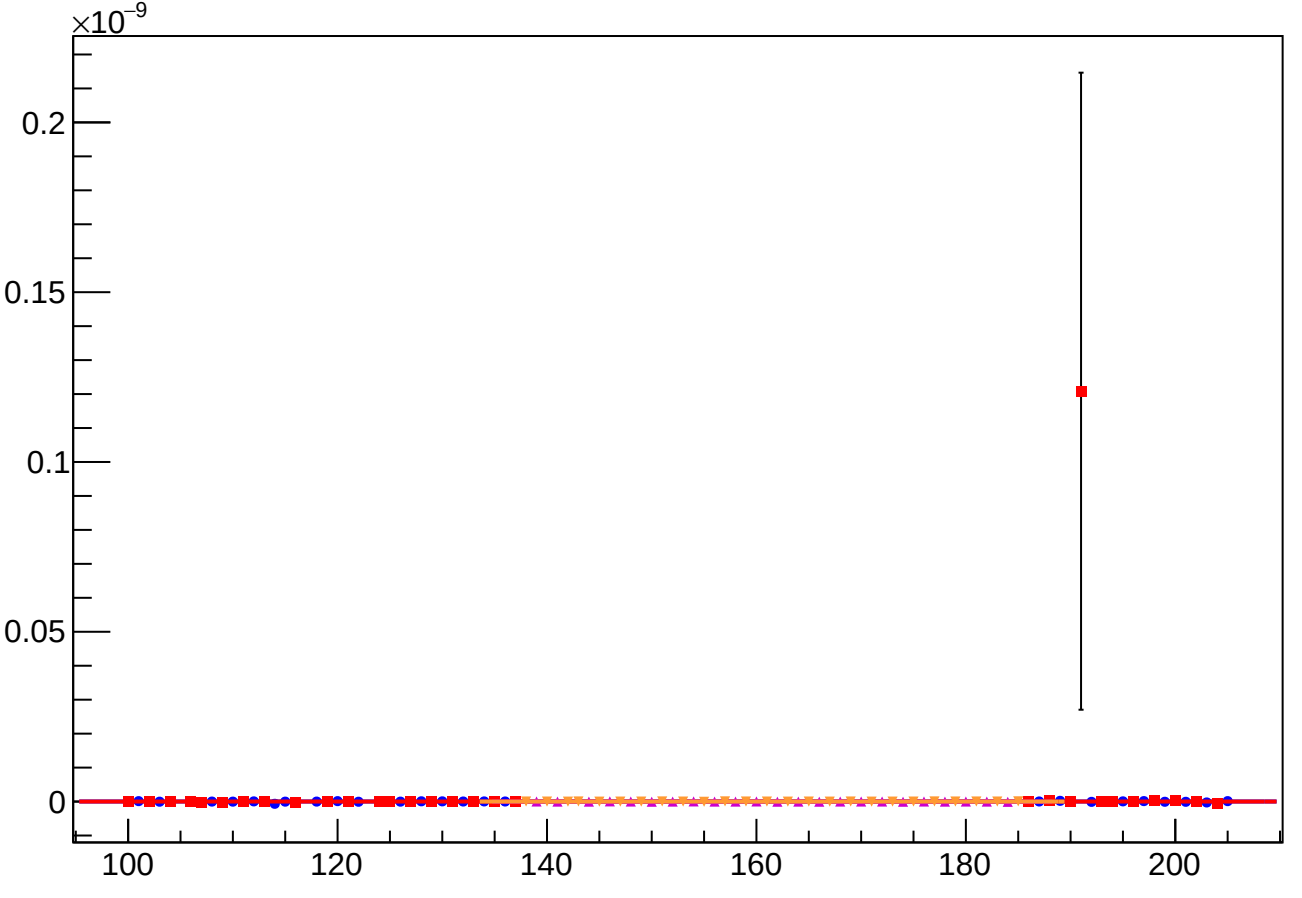
Left: 2872.605+/-0.331 χ^2/NDF: 39528.5/47

Right: 3065.338+/-0.407 χ^2/NDF: 1584126.0/54

In: 2940.782+/-0.368 χ^2/NDF:941738.3/47

Out: 2957.474+/-0.358 χ^2/NDF:816010.6/54

All: 2949.350+/-0.257 χ^2/NDF: 1758805.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.8/29

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

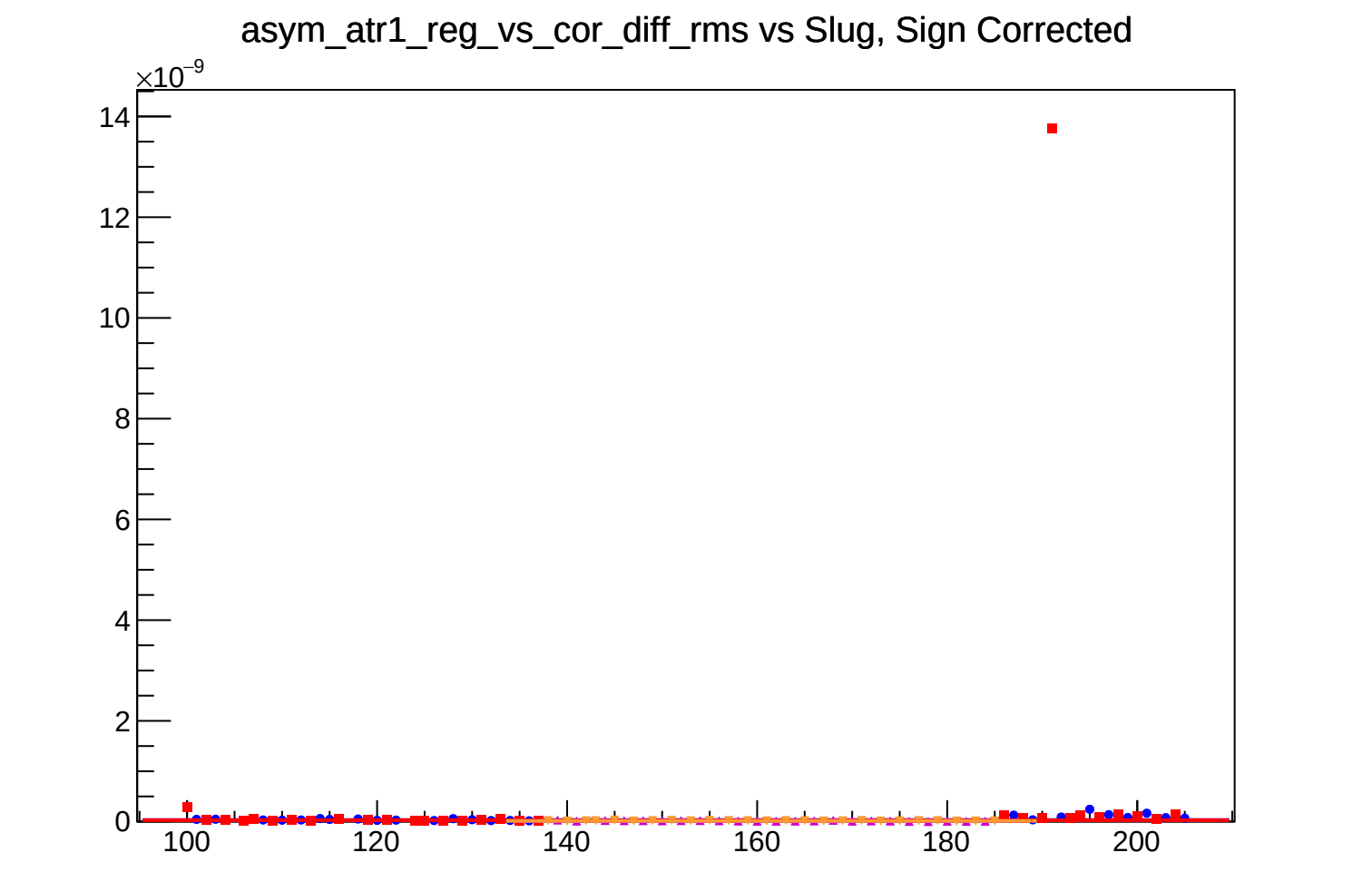
Left: -0.000+/-0.000 χ^2/NDF: 43.3/47

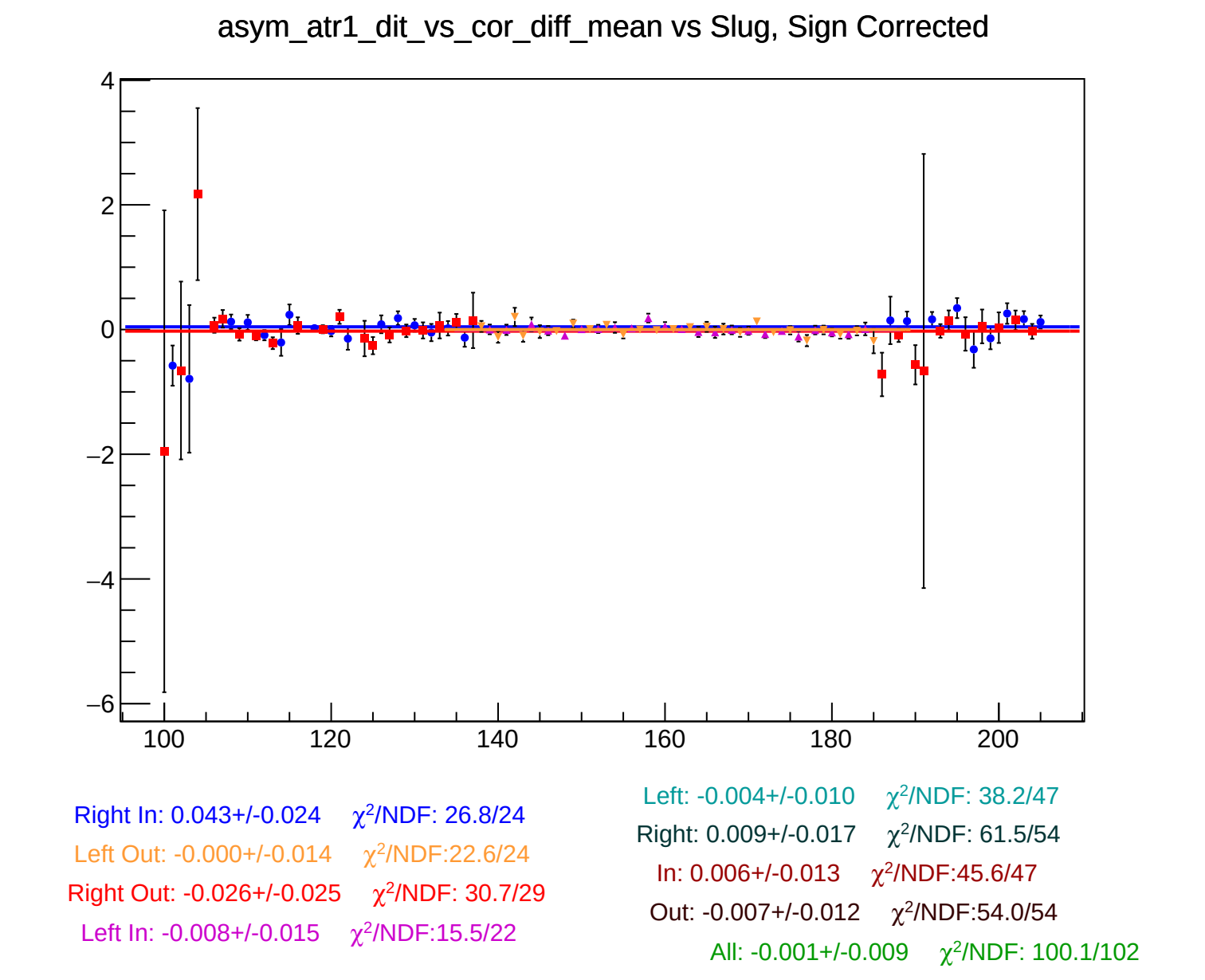
Right: 0.000+/-0.000 χ^2/NDF: 58.0/54

In: -0.000+/-0.000 χ^2/NDF:49.4/47

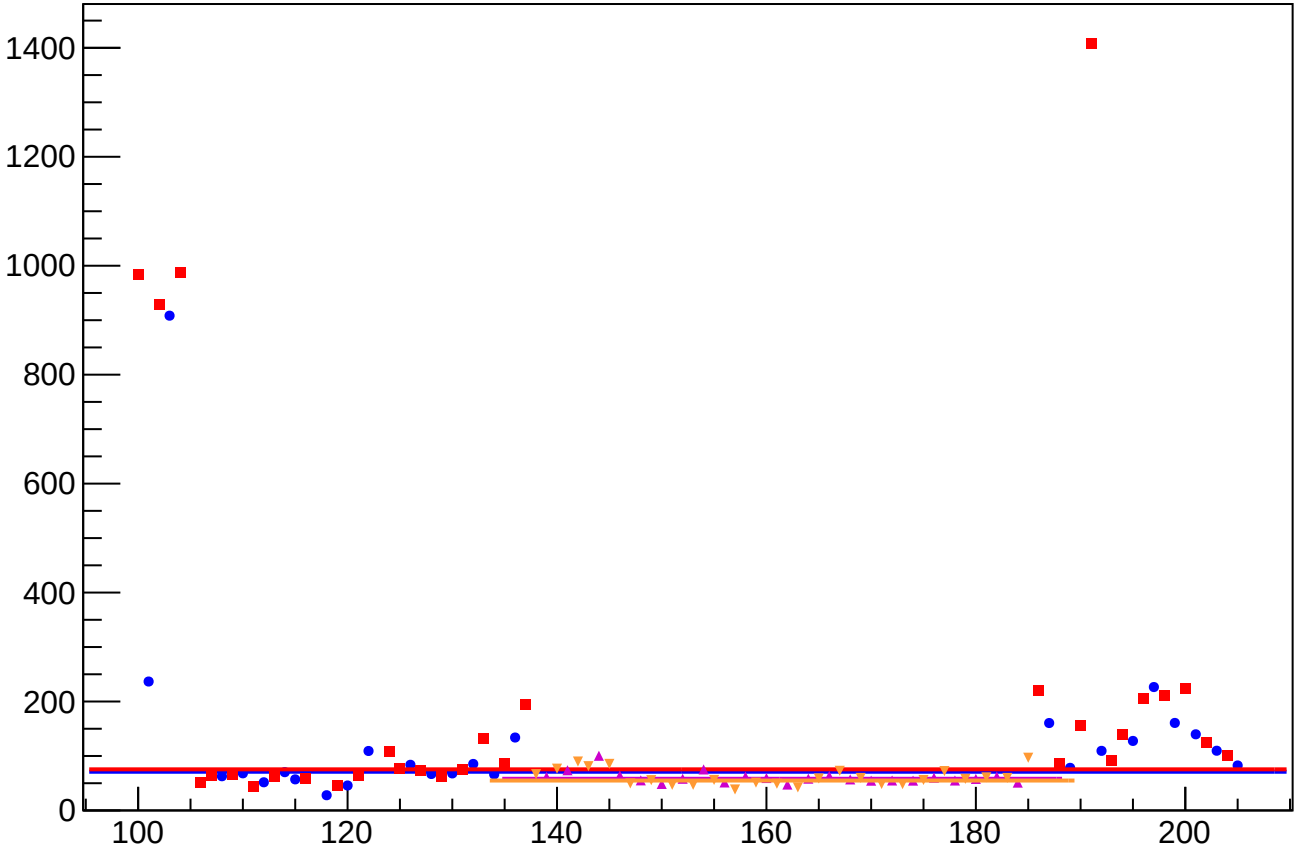
Out: 0.000+/-0.000 χ^2/NDF:53.4/54

All: -0.000+/-0.000 χ^2/NDF: 103.4/102


asym_atr1_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: 3595164.2/24
Left Out: 0.000+/-0.000 χ²/NDF:1210269.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 3477235.6/29
Left In: 0.000+/-0.000 χ²/NDF:3166775.9/22
Left: 0.000+/-0.000 χ²/NDF: 4622592.8/47
Right: 0.000+/-0.000 χ²/NDF: 7101071.6/54
In: 0.000+/-0.000 χ²/NDF:9413667.7/47
Out: 0.000+/-0.000 χ²/NDF:6238297.2/54
All: 0.000+/-0.000 χ²/NDF: 15905456.1/102


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: 0.043+/-0.024 χ²/NDF: 26.8/24
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.026+/-0.025 χ²/NDF: 30.7/29
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.009+/-0.017 χ²/NDF: 61.5/54
In: 0.006+/-0.013 χ²/NDF:45.6/47
Out: -0.007+/-0.012 χ²/NDF:54.0/54
All: -0.001+/-0.009 χ²/NDF: 100.1/102

asym_atr1_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.064+/-0.017 χ^2/NDF: 5885229.7/24

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.486+/-0.017 χ^2/NDF: 6226722.8/29

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

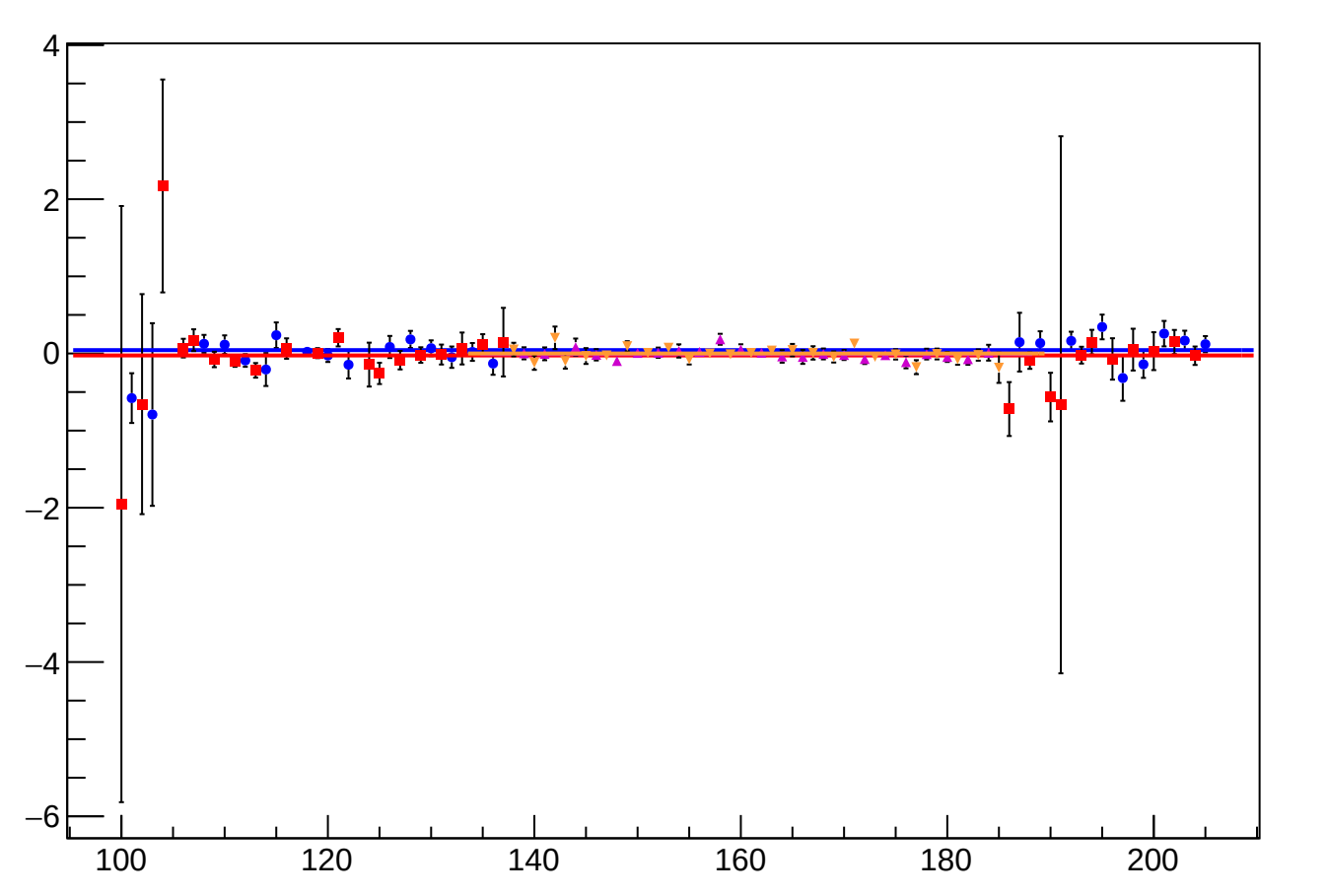
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 73.259+/-0.012 χ^2/NDF: 12144597.3/54

In: 61.631+/-0.009 χ^2/NDF:6952898.1/47

Out: 60.023+/-0.009 χ^2/NDF:8578207.9/54

All: 60.798+/-0.006 χ^2/NDF: 15547769.7/102



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.025 χ^2/NDF: 30.7/29

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

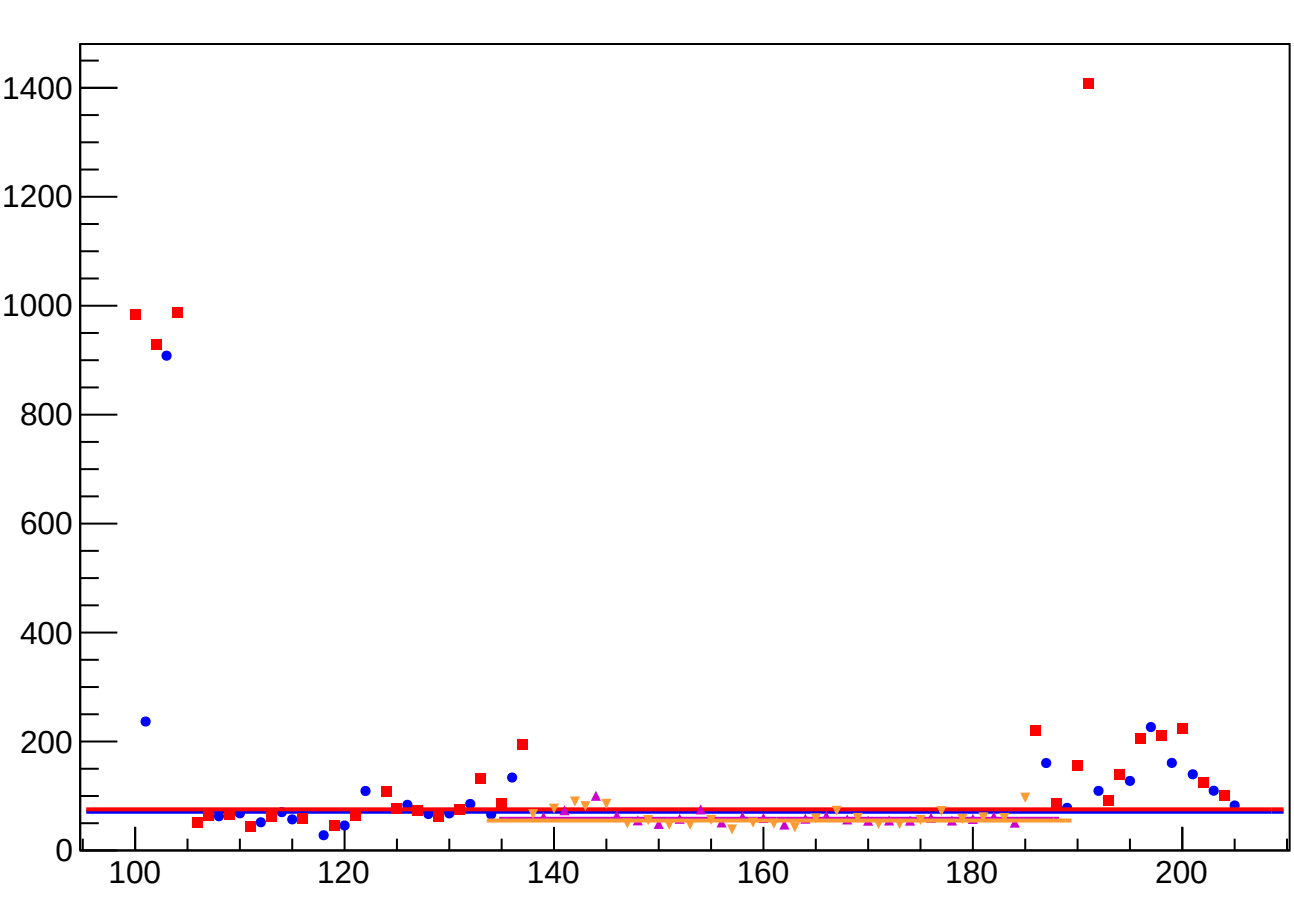
Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

Right: 0.009+/-0.017 χ^2/NDF: 61.5/54

In: 0.006+/-0.013 χ^2/NDF:45.6/47

Out: -0.007+/-0.012 χ^2/NDF:54.0/54

All: -0.001+/-0.009 χ^2/NDF: 100.1/102



Right In: 71.064+/-0.017 χ^2/NDF: 5885229.7/24

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 75.486+/-0.017 χ^2/NDF: 6226722.8/29

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

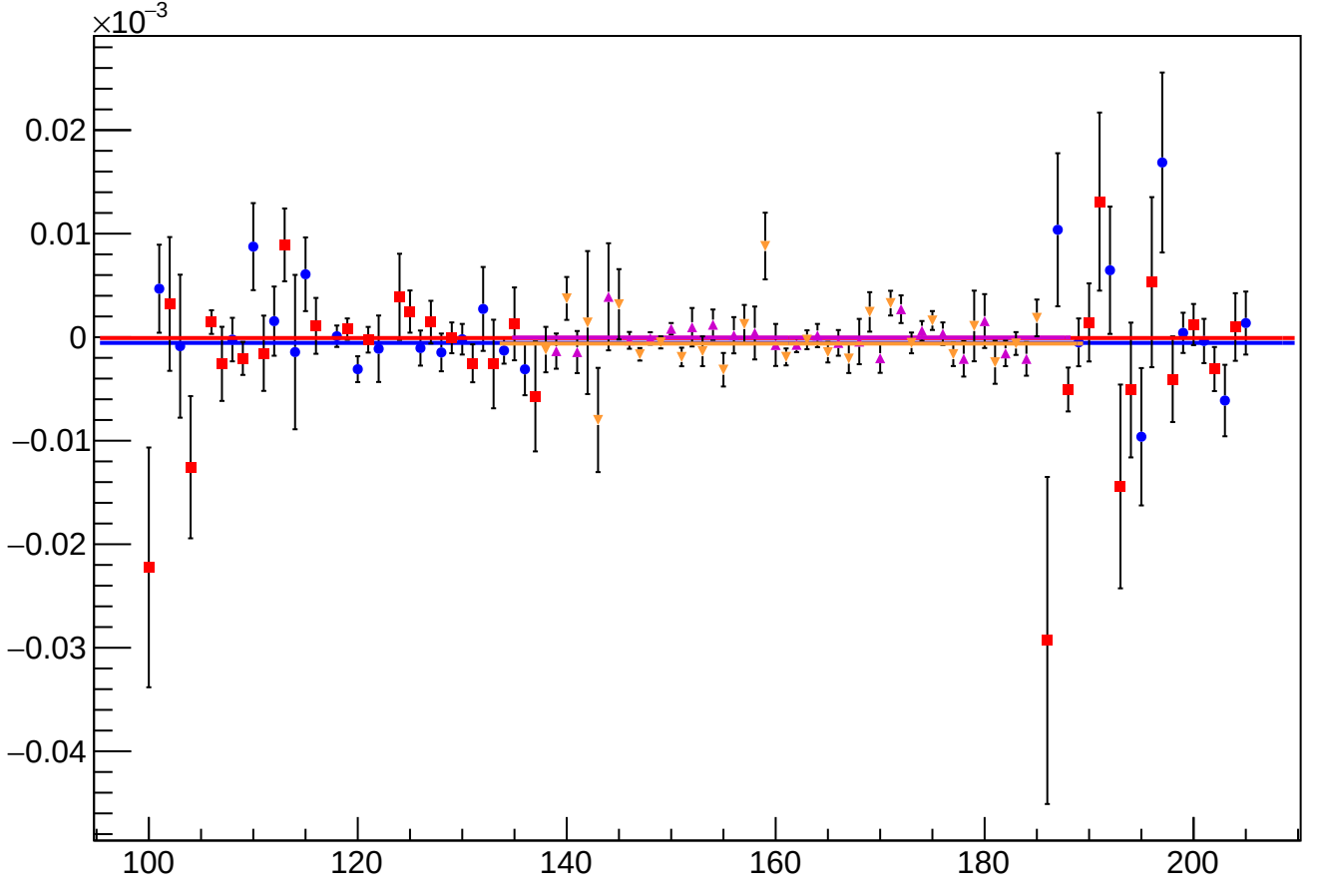
Left: 56.452+/-0.007 χ^2/NDF: 2004214.4/47

Right: 73.259+/-0.012 χ^2/NDF: 12144597.3/54

In: 61.631+/-0.009 χ^2/NDF:6952898.1/47

Out: 60.023+/-0.009 χ^2/NDF:8578207.9/54

All: 60.798+/-0.006 χ^2/NDF: 15547769.7/102



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/29

Left In: -0.000+/-0.000 χ^2/NDF:18.2/22

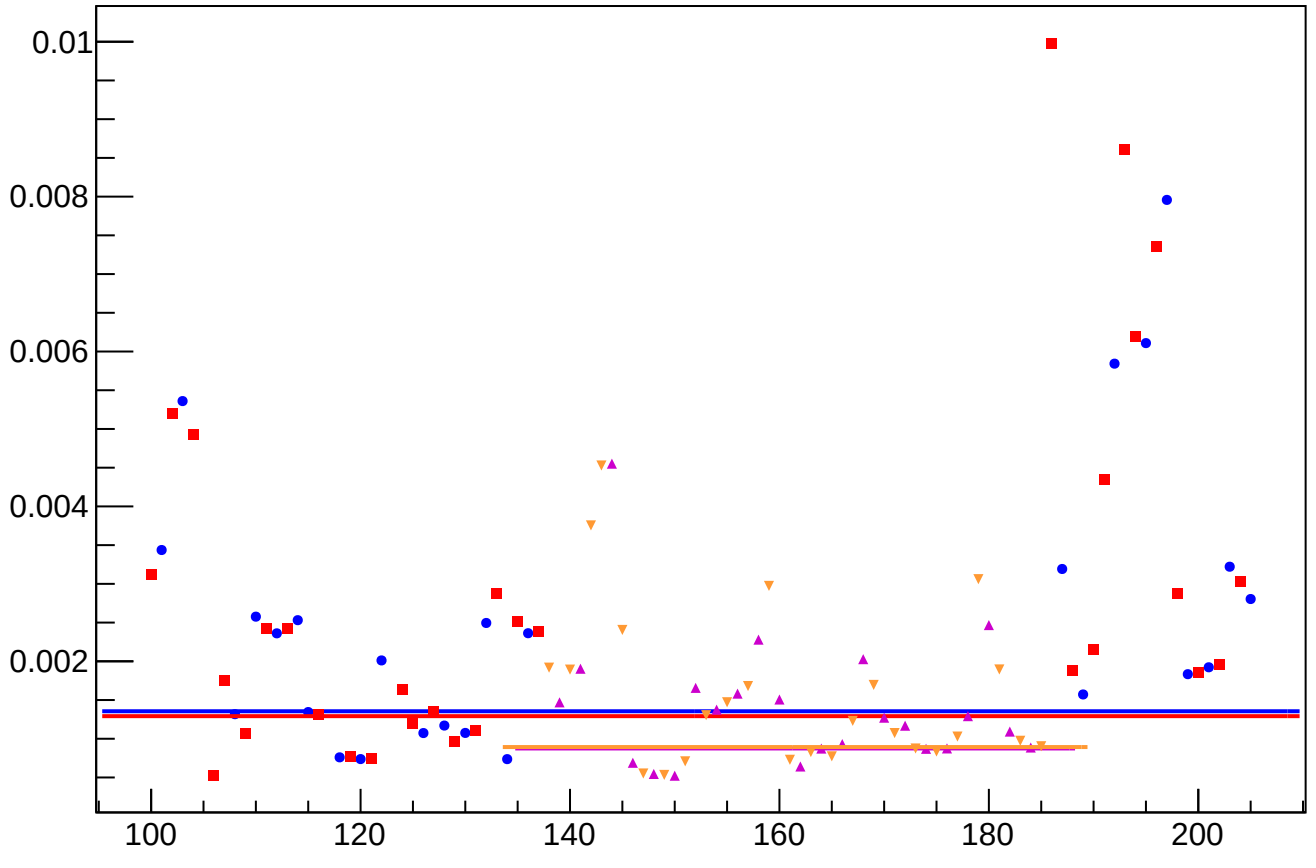
Left: -0.000+/-0.000 χ^2/NDF: 74.1/47

Right: -0.000+/-0.000 χ^2/NDF: 73.6/54

In: -0.000+/-0.000 χ^2/NDF:49.2/47

Out: -0.000+/-0.000 χ^2/NDF:97.1/54

All: -0.000+/-0.000 χ^2/NDF: 147.7/102



Right In: 0.001+/-0.000 χ^2/NDF: 8577072.6/24

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10035865.6/29

Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

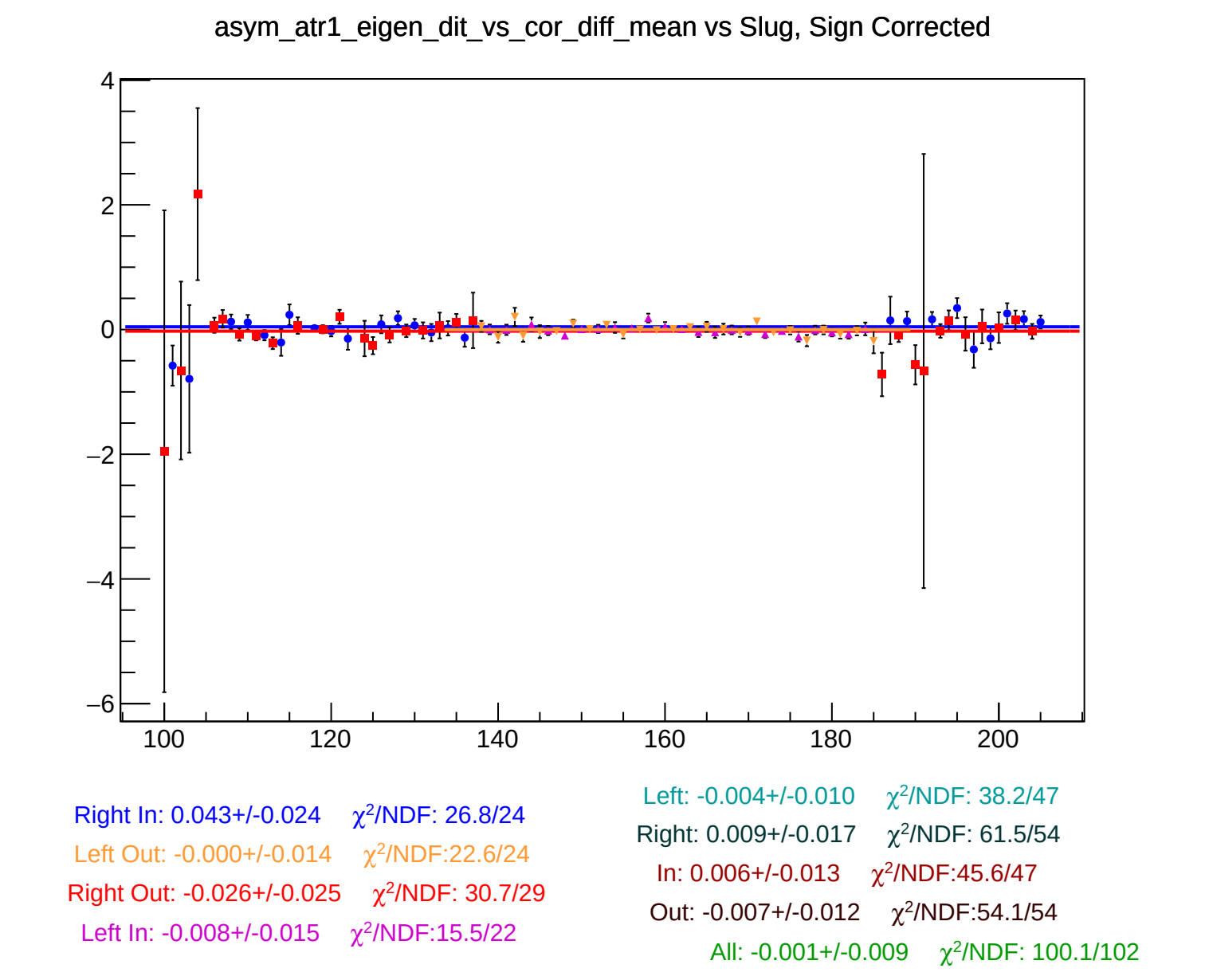
Left: 0.001+/-0.000 χ^2/NDF: 14708860.3/47

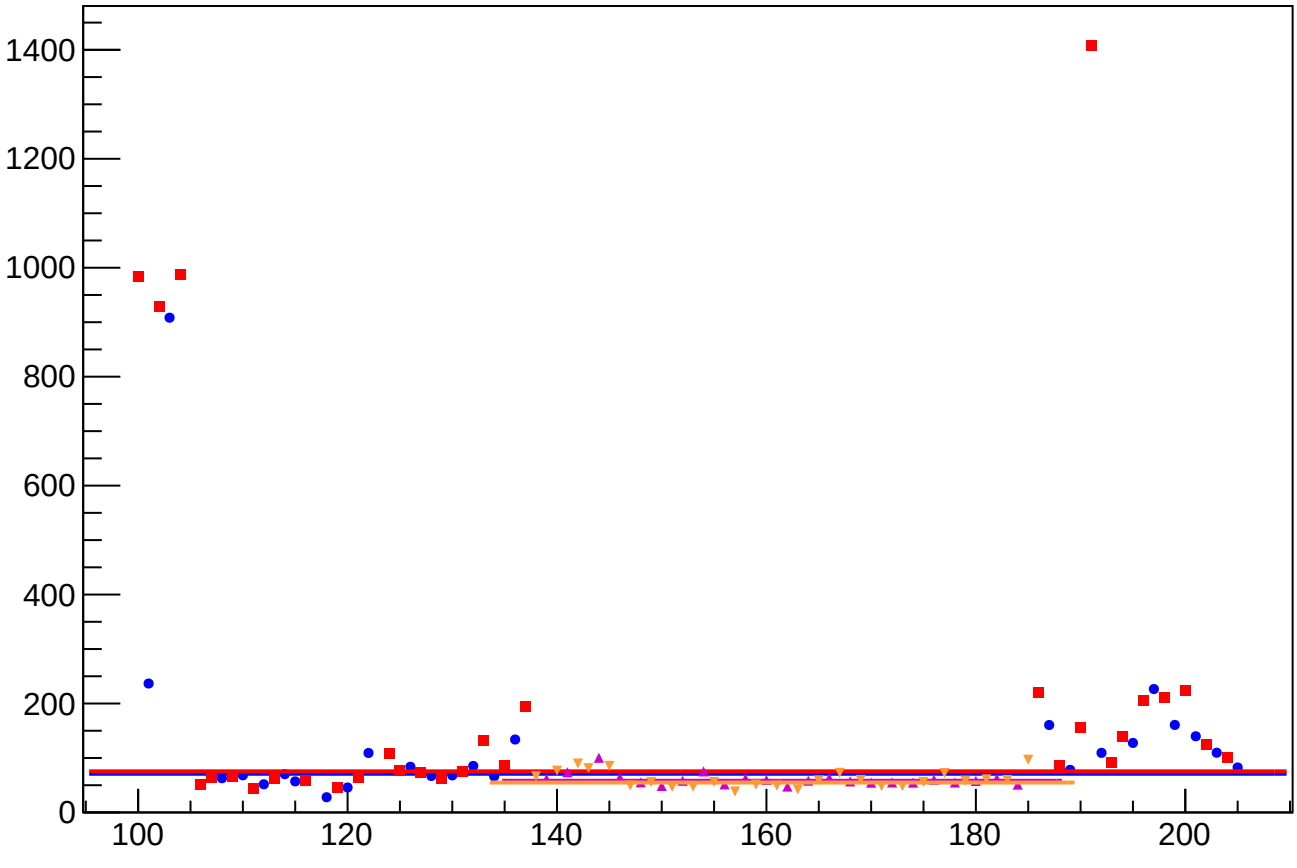
Right: 0.001+/-0.000 χ^2/NDF: 18634370.8/54

In: 0.001+/-0.000 χ^2/NDF:17374691.4/47

Out: 0.001+/-0.000 χ^2/NDF:19143565.9/54

All: 0.001+/-0.000 χ^2/NDF: 36518794.5/102


asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: 0.043+/-0.024 χ²/NDF: 26.8/24
Left Out: -0.000+/-0.014 χ²/NDF:22.6/24
Right Out: -0.026+/-0.025 χ²/NDF: 30.7/29
Left In: -0.008+/-0.015 χ²/NDF:15.5/22
Left: -0.004+/-0.010 χ²/NDF: 38.2/47
Right: 0.009+/-0.017 χ²/NDF: 61.5/54
In: 0.006+/-0.013 χ²/NDF:45.6/47
Out: -0.007+/-0.012 χ²/NDF:54.1/54
All: -0.001+/-0.009 χ²/NDF: 100.1/102



Right In: 71.063+/-0.017 χ^2/NDF: 5885377.3/24

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.485+/-0.017 χ^2/NDF: 6226753.0/29

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

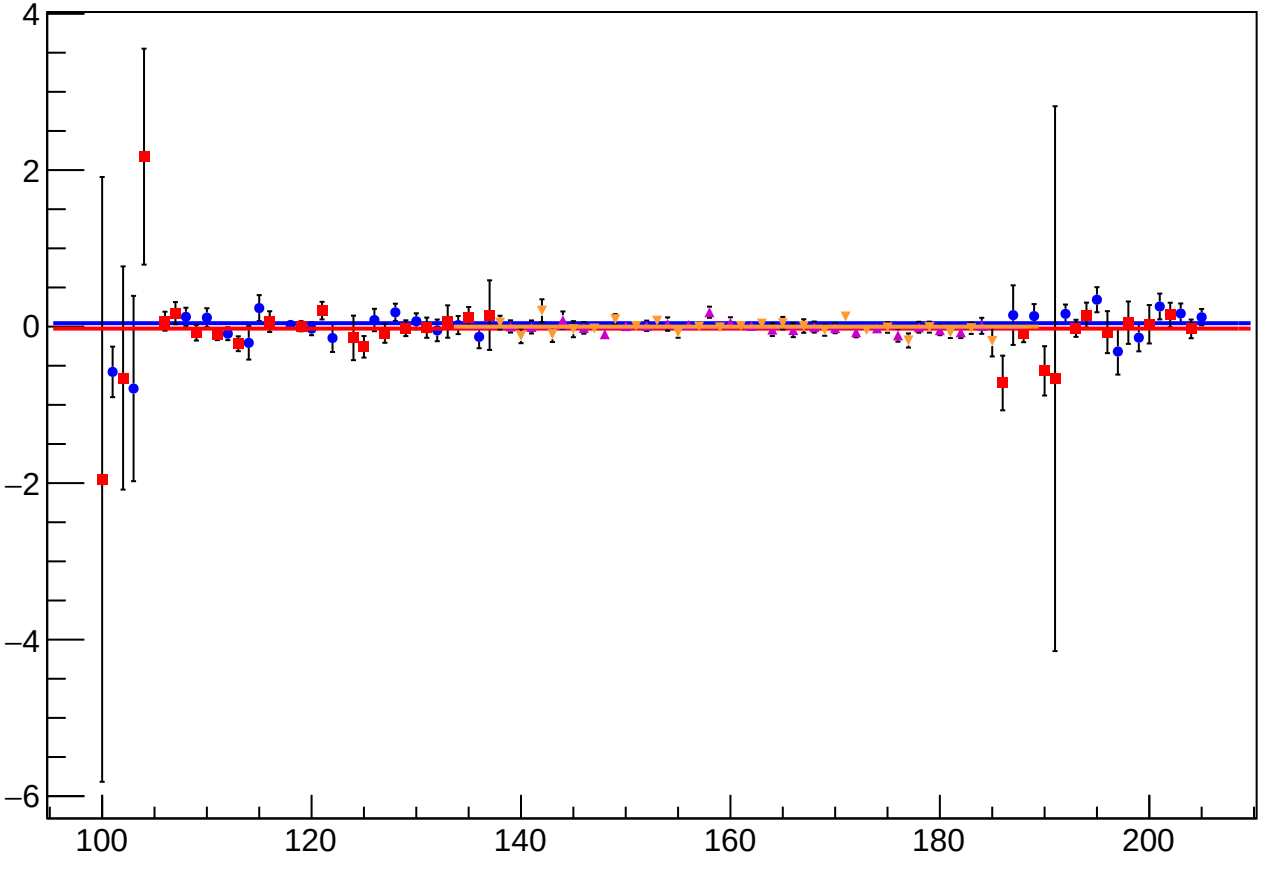
Right: 73.258+/-0.012 χ^2/NDF: 12144783.0/54

In: 61.630+/-0.009 χ^2/NDF:6953020.0/47

Out: 60.023+/-0.009 χ^2/NDF:8578335.0/54

All: 60.798+/-0.006 χ^2/NDF: 15548023.8/102

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: -0.026+/-0.025 χ^2/NDF: 30.7/29

Left In: -0.008+/-0.015 χ^2/NDF:15.5/22

Left: -0.004+/-0.010 χ^2/NDF: 38.2/47

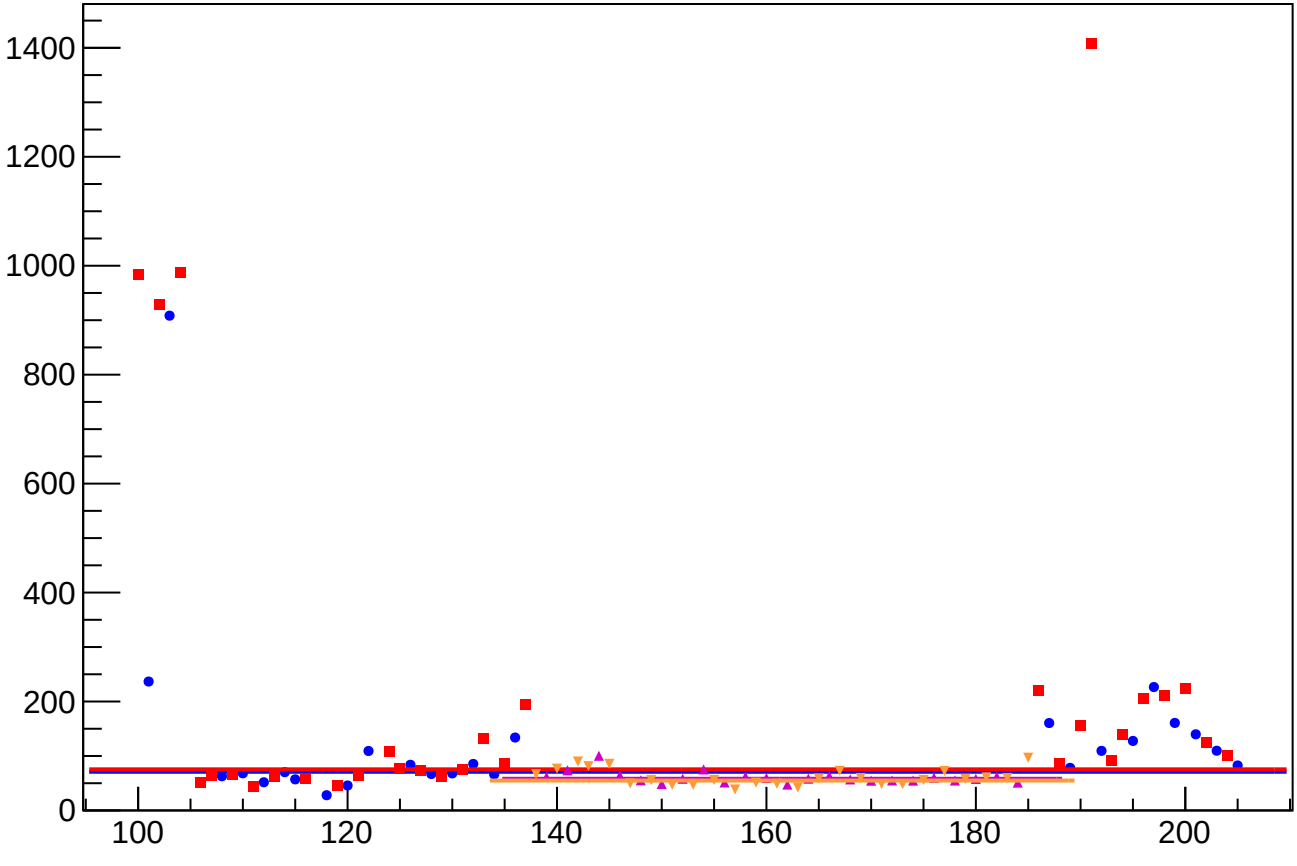
Right: 0.009+/-0.017 χ^2/NDF: 61.5/54

In: 0.006+/-0.013 χ^2/NDF:45.6/47

Out: -0.007+/-0.012 χ^2/NDF:54.1/54

All: -0.001+/-0.009 χ^2/NDF: 100.1/102

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.063+/-0.017 χ^2/NDF: 5885377.3/24

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 75.485+/-0.017 χ^2/NDF: 6226753.0/29

Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

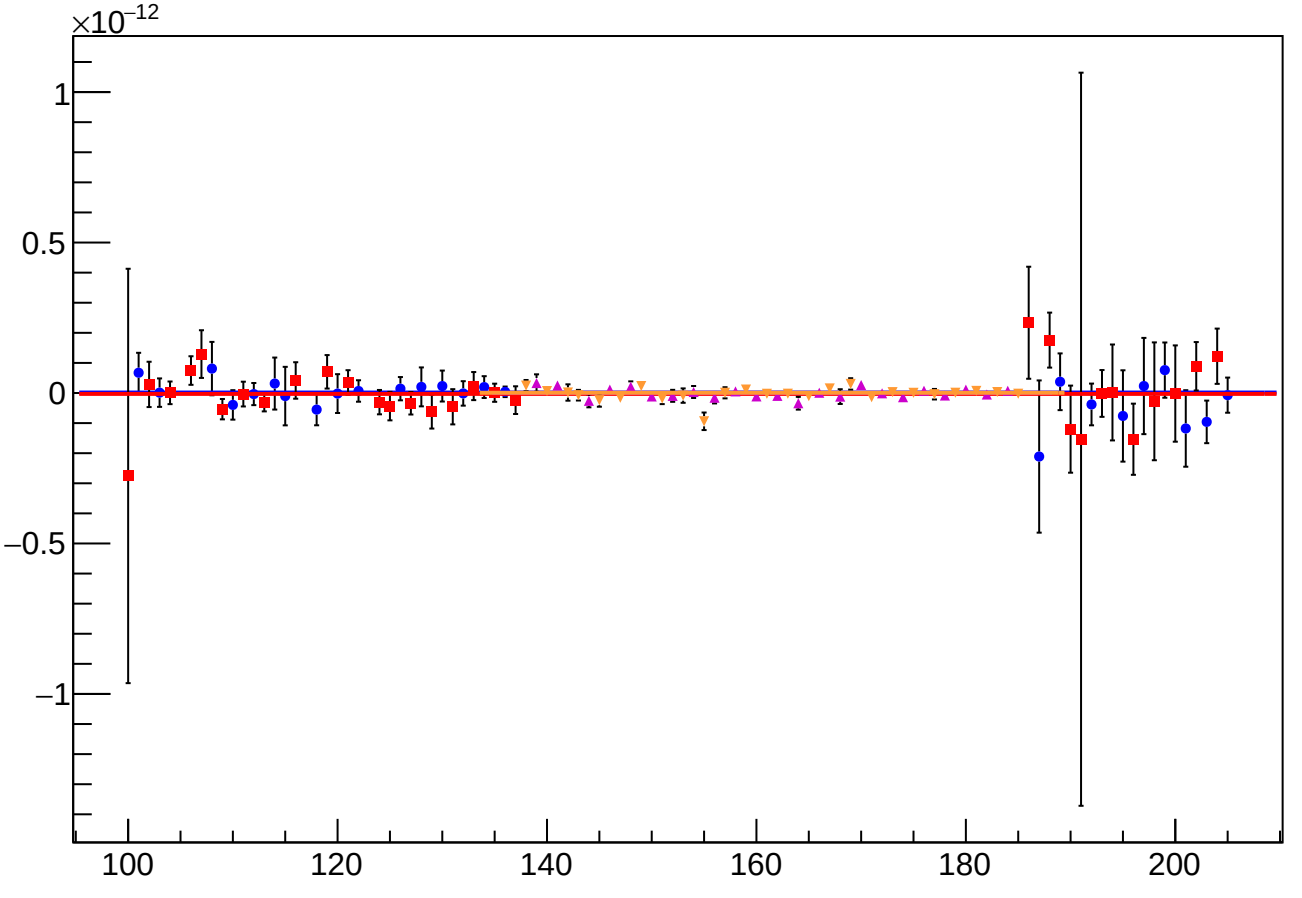
Left: 56.452+/-0.007 χ^2/NDF: 2004328.0/47

Right: 73.258+/-0.012 χ^2/NDF: 12144783.0/54

In: 61.630+/-0.009 χ^2/NDF:6953020.0/47

Out: 60.023+/-0.009 χ^2/NDF:8578335.0/54

All: 60.798+/-0.006 χ^2/NDF: 15548023.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 9.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

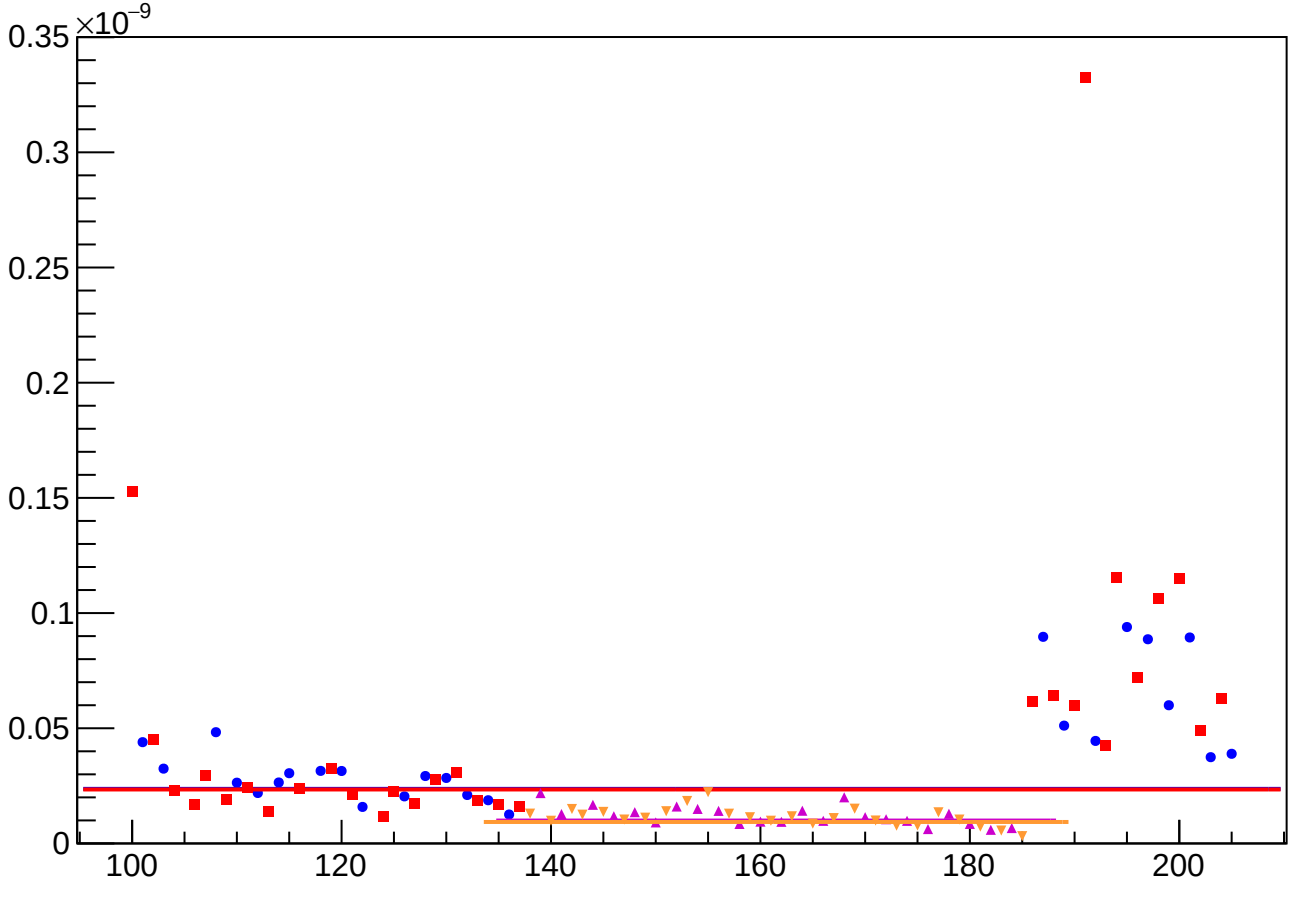
Left: 0.000+/-0.000 χ^2/NDF: 45.6/47

Right: -0.000+/-0.000 χ^2/NDF: 36.7/54

In: 0.000+/-0.000 χ^2/NDF:29.7/47

Out: 0.000+/-0.000 χ^2/NDF:52.7/54

All: 0.000+/-0.000 χ^2/NDF: 82.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 3807241.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4474480.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

Left: 0.000+/-0.000 χ^2/NDF: 5690216.6/47

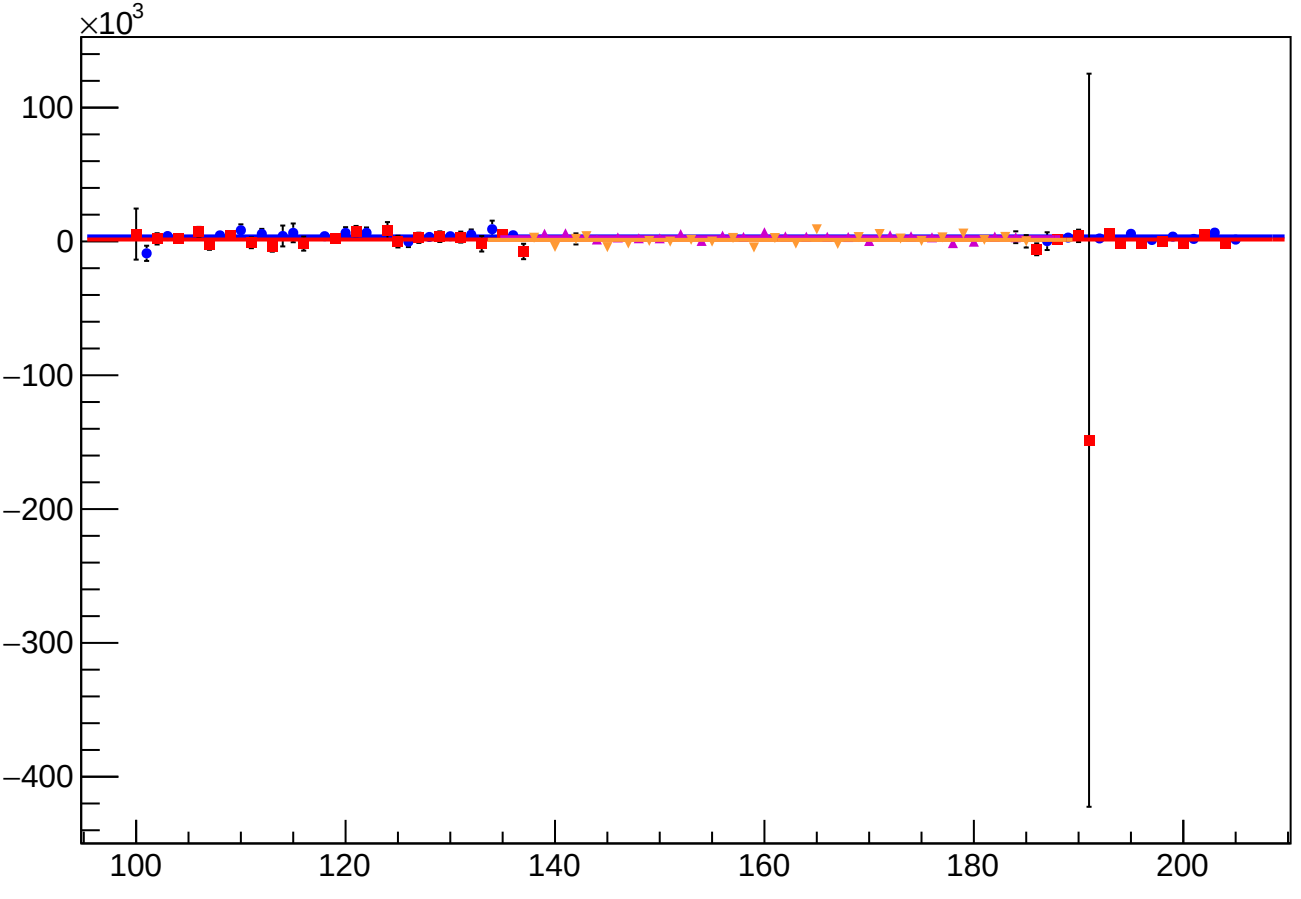
Right: 0.000+/-0.000 χ^2/NDF: 8282454.7/54

In: 0.000+/-0.000 χ^2/NDF:10055612.1/47

Out: 0.000+/-0.000 χ^2/NDF:11442088.7/54

All: 0.000+/-0.000 χ^2/NDF: 21567914.0/102

reg_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3753.188+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: 1441.482+/-683.287 χ^2/NDF: 26.7/29

Left In: 3147.419+/-569.221 χ^2/NDF:12.7/22

Left: 2145.543+/-397.832 χ^2/NDF: 49.9/47

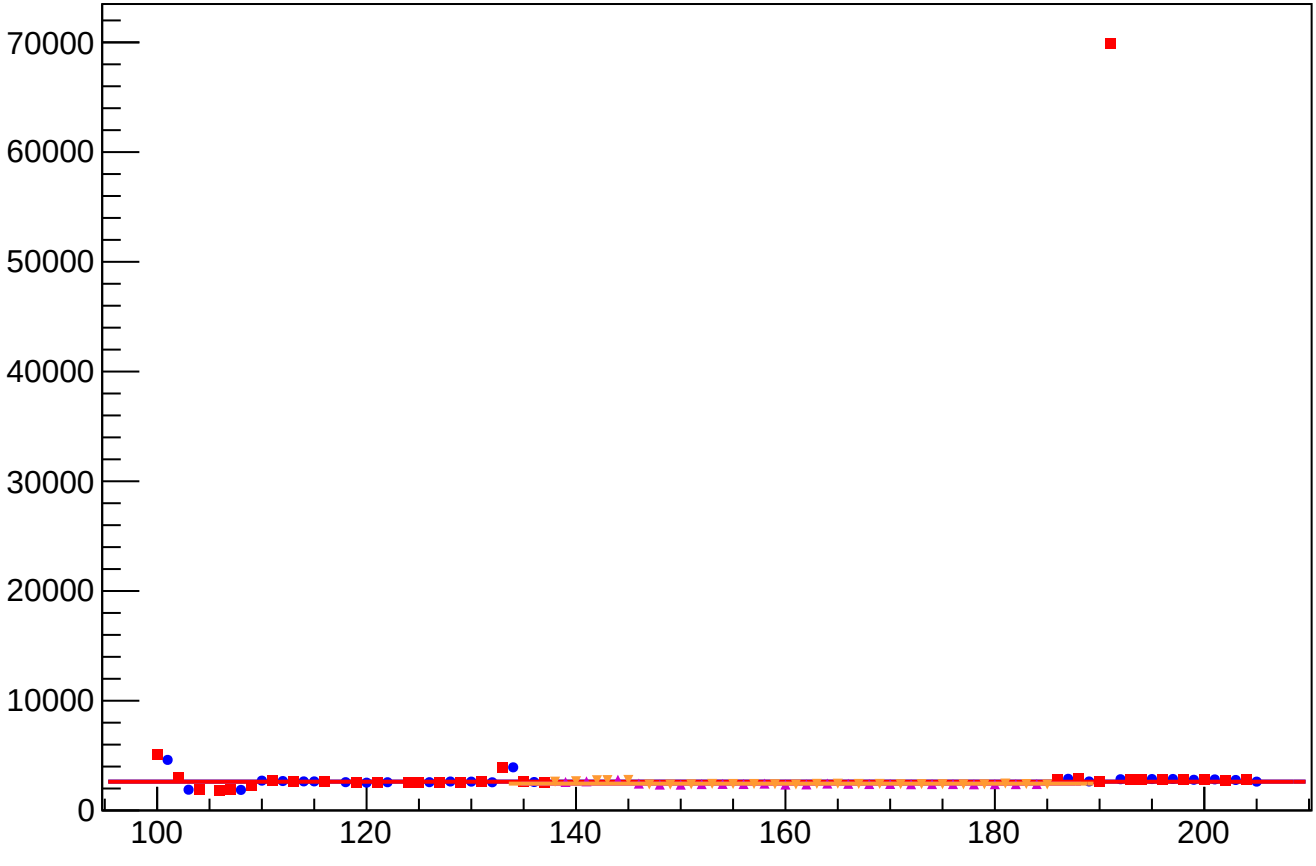
Right: 2553.686+/-492.195 χ^2/NDF: 45.1/54

In: 3384.601+/-444.015 χ^2/NDF:26.0/47

Out: 1289.533+/-431.376 χ^2/NDF:57.9/54

All: 2306.823+/-309.401 χ^2/NDF: 95.4/102

reg_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.795+/-0.502 χ^2/NDF: 700888.9/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.448+/-0.483 χ^2/NDF: 734590.7/29

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

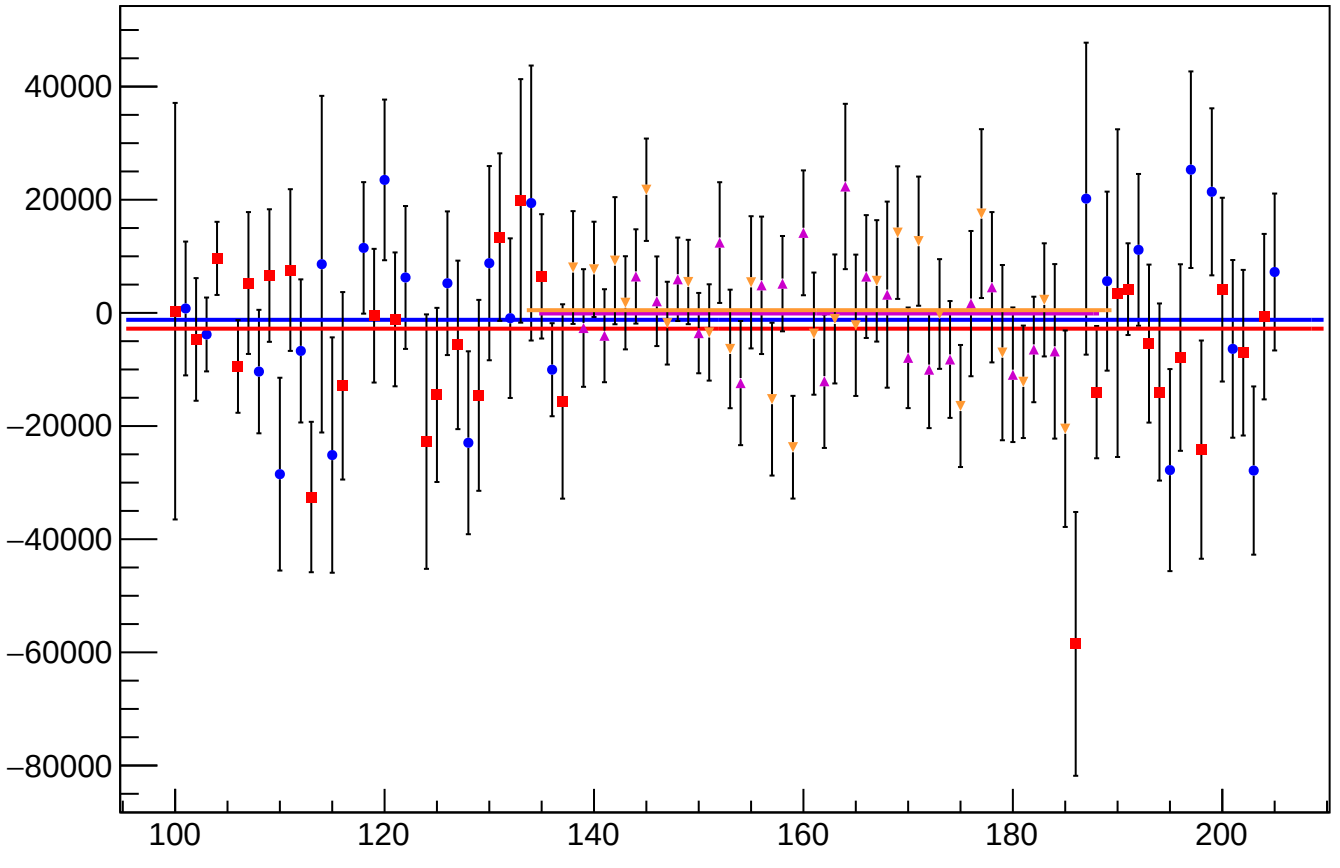
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2624.870+/-0.348 χ^2/NDF: 1435846.9/54

In: 2512.631+/-0.314 χ^2/NDF:852776.4/47

Out: 2514.628+/-0.305 χ^2/NDF:901377.6/54

All: 2513.658+/-0.219 χ^2/NDF: 1754174.8/10



Right In: -1221.969+/-2659.338 χ^2/NDF: 26.2/24

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: -2790.089+/-2375.880 χ^2/NDF: 26.5/29

Left In: -104.954+/-2090.899 χ^2/NDF:14.5/22

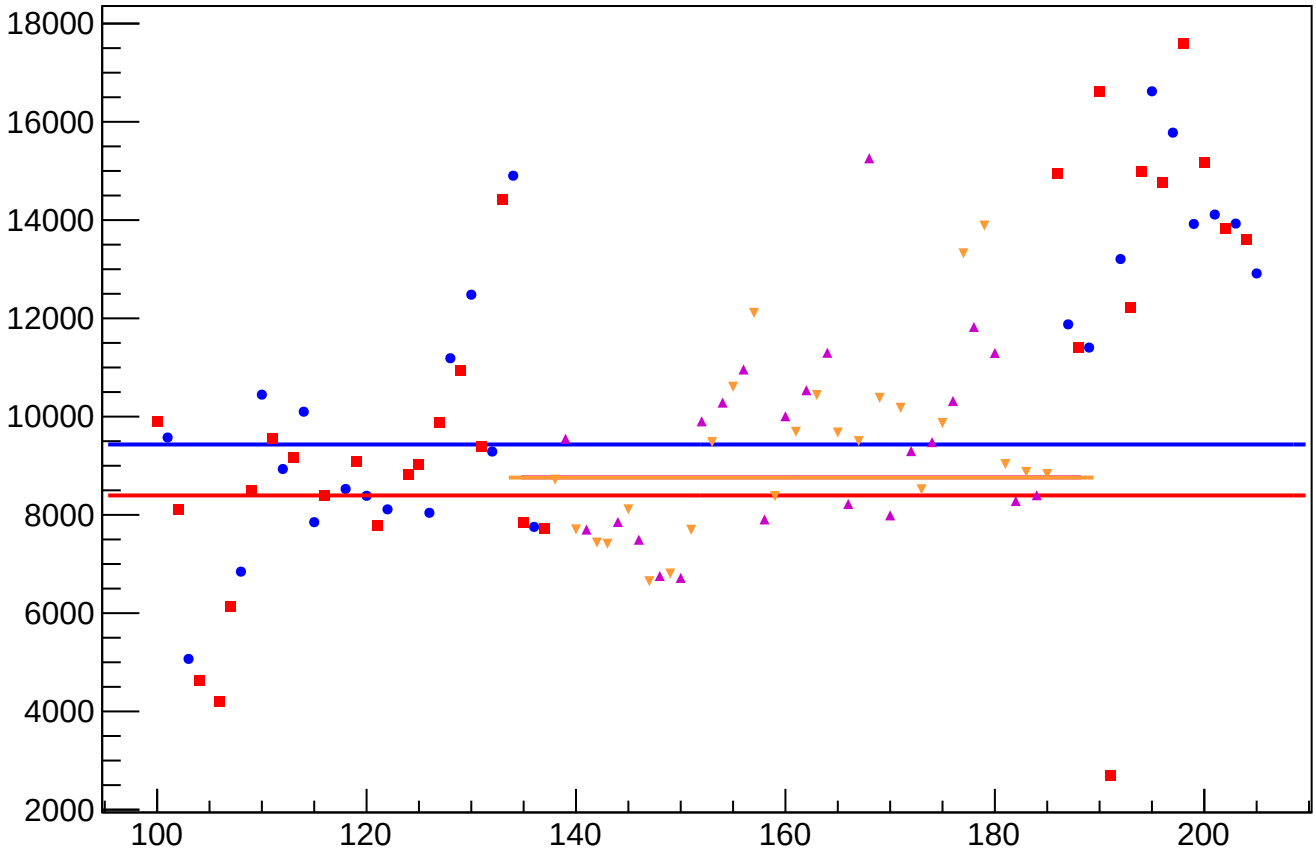
Left: 193.864+/-1458.680 χ^2/NDF: 41.9/47

Right: -2094.028+/-1771.771 χ^2/NDF: 52.8/54

In: -531.680+/-1643.686 χ^2/NDF:40.8/47

Out: -906.209+/-1545.983 χ^2/NDF:54.9/54

All: -730.406+/-1126.132 χ^2/NDF: 95.7/102



Right In: 9432.927+/-1.880 χ^2/NDF: 2837320.4/24

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

Right Out: 8395.639+/-1.680 χ^2/NDF: 5124386.1/29

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

Left: 8761.827+/-1.031 χ^2/NDF: 2513941.7/47

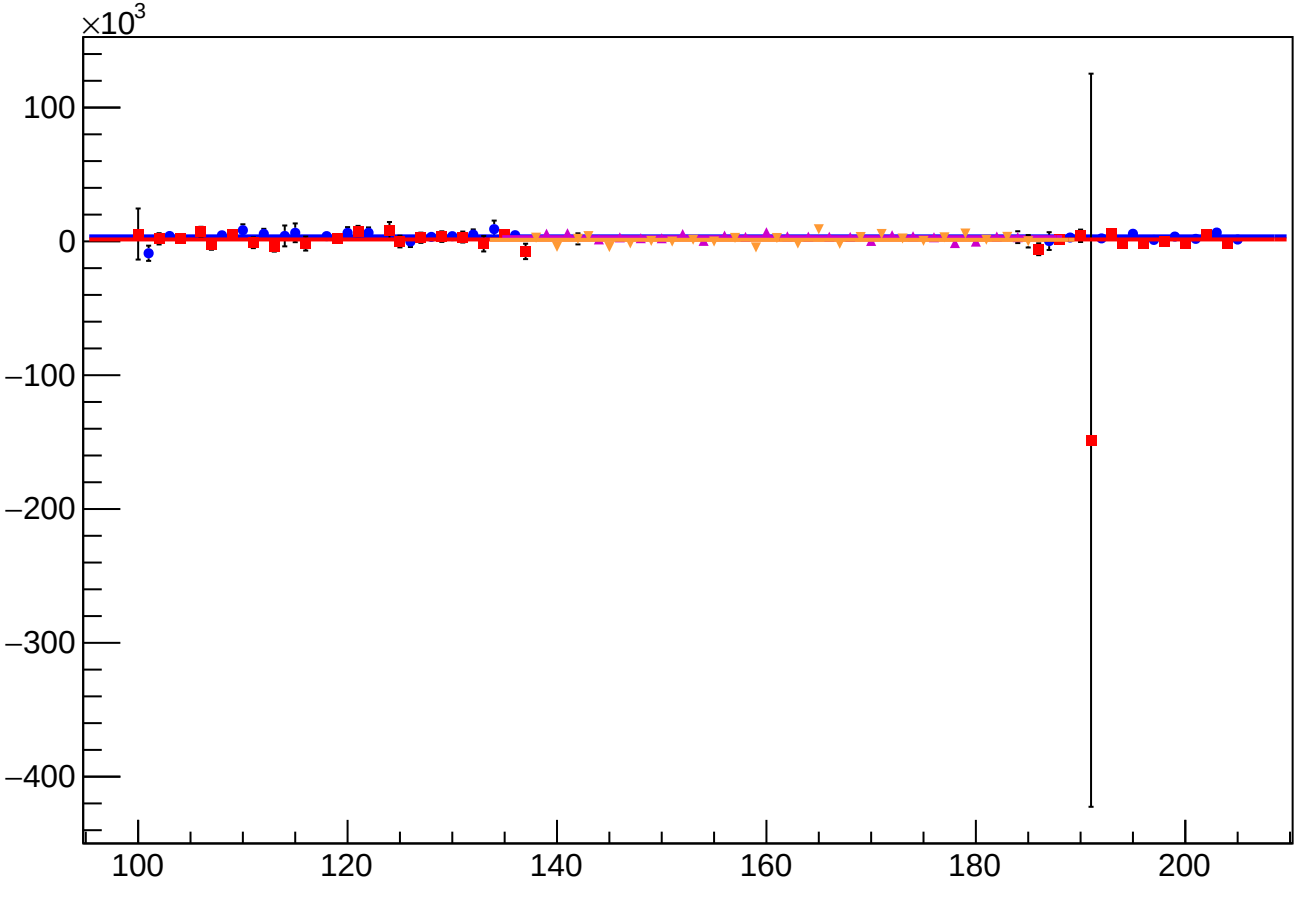
Right: 8856.073+/-1.253 χ^2/NDF: 8130925.3/54

In: 9019.631+/-1.162 χ^2/NDF:4207188.0/47

Out: 8605.515+/-1.093 χ^2/NDF:6373691.2/54

All: 8799.900+/-0.796 χ^2/NDF: 10648239.8/1

cor_asym_atr2_mean vs Slug, Sign Corrected



Right In: 3753.000+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1441.826+/-683.290 χ^2/NDF: 26.7/29

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

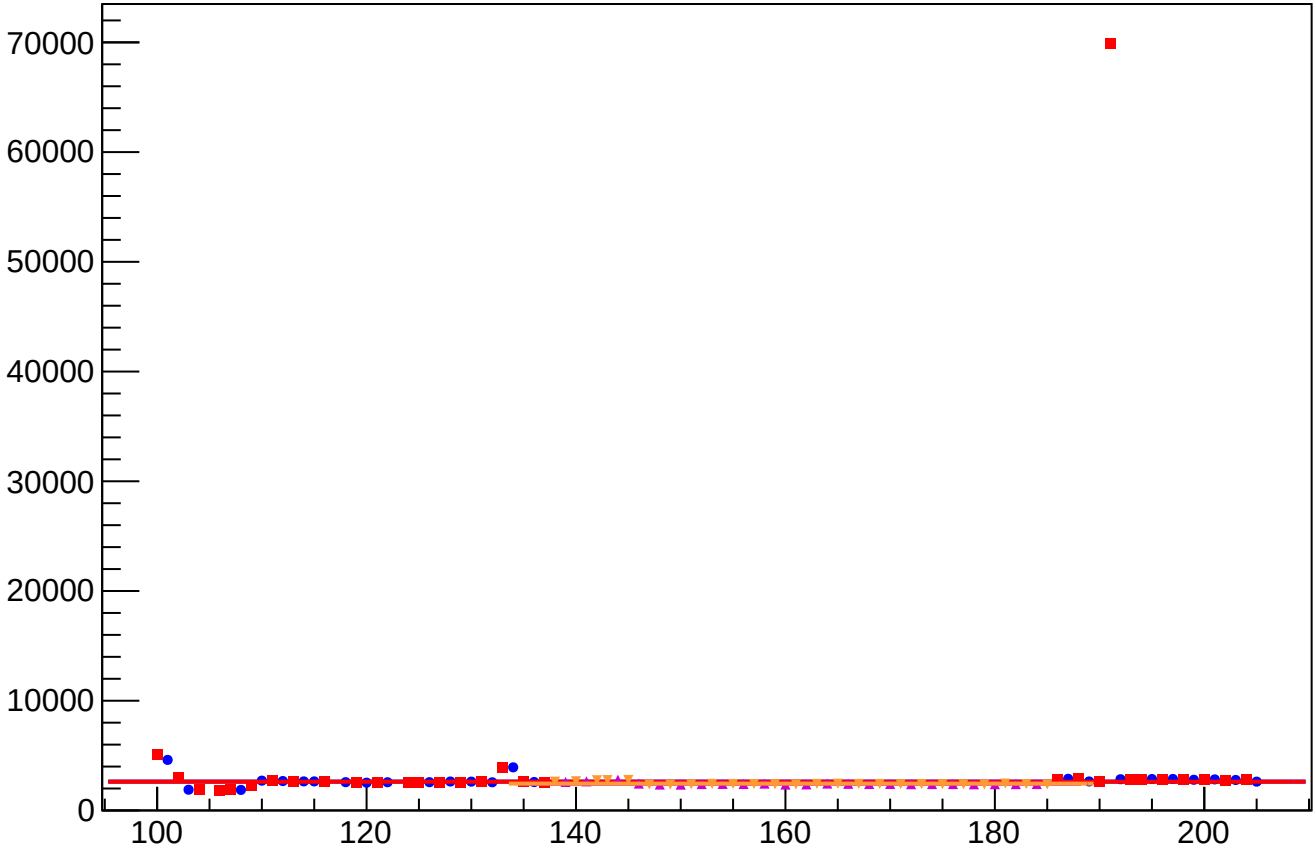
Right: 2553.780+/-492.196 χ^2/NDF: 45.2/54

In: 3384.407+/-444.015 χ^2/NDF:26.0/47

Out: 1289.568+/-431.377 χ^2/NDF:58.0/54

All: 2306.749+/-309.401 χ^2/NDF: 95.4/102

cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.796+/-0.502 χ^2/NDF: 700886.2/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.463+/-0.483 χ^2/NDF: 734515.9/29

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

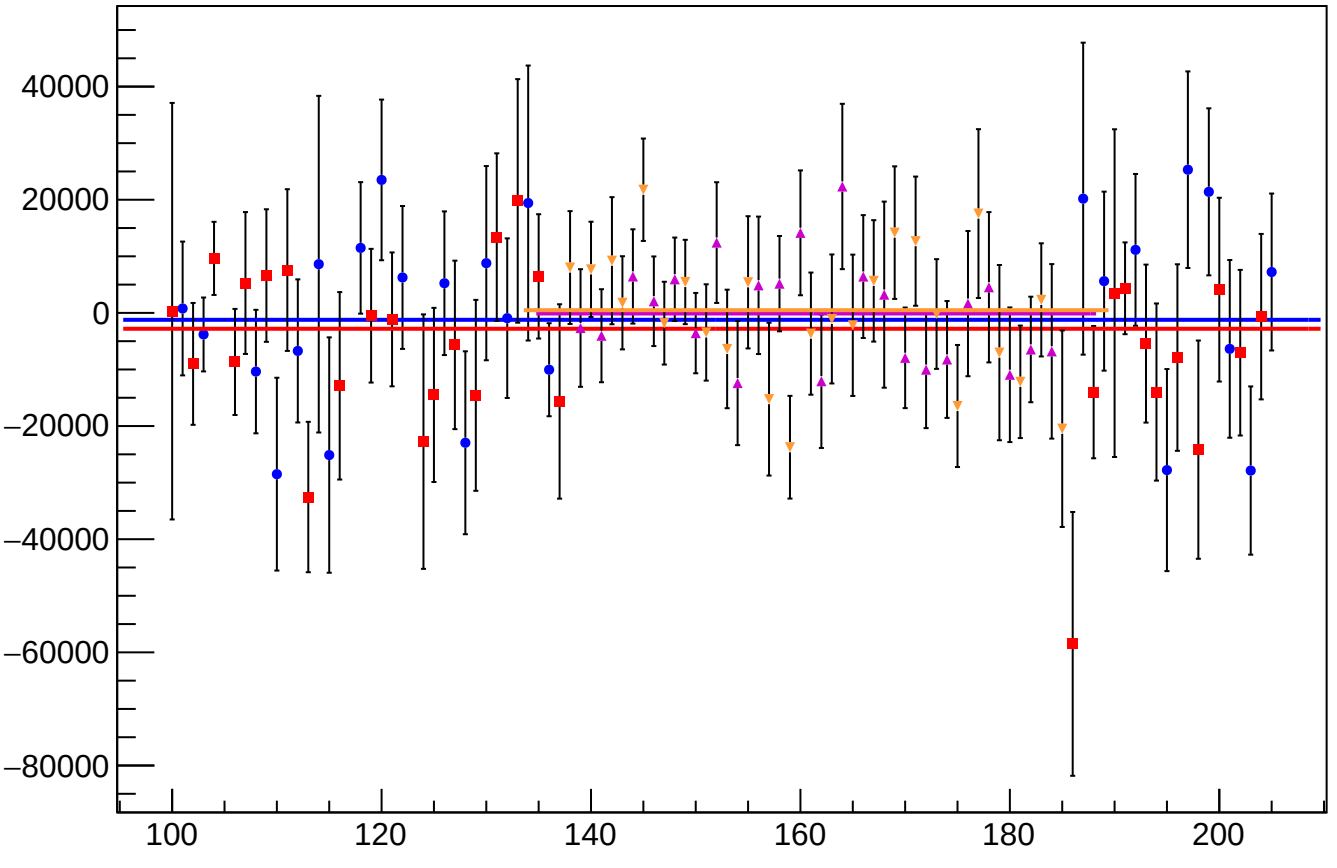
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2624.878+/-0.348 χ^2/NDF: 1435768.5/54

In: 2512.631+/-0.314 χ^2/NDF:852774.1/47

Out: 2514.634+/-0.305 χ^2/NDF:901315.6/54

All: 2513.661+/-0.219 χ^2/NDF: 1754110.6/10



Right In: -1221.662+/-2659.394 χ^2/NDF: 26.2/24

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2805.107+/-2399.385 χ^2/NDF: 26.5/29

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

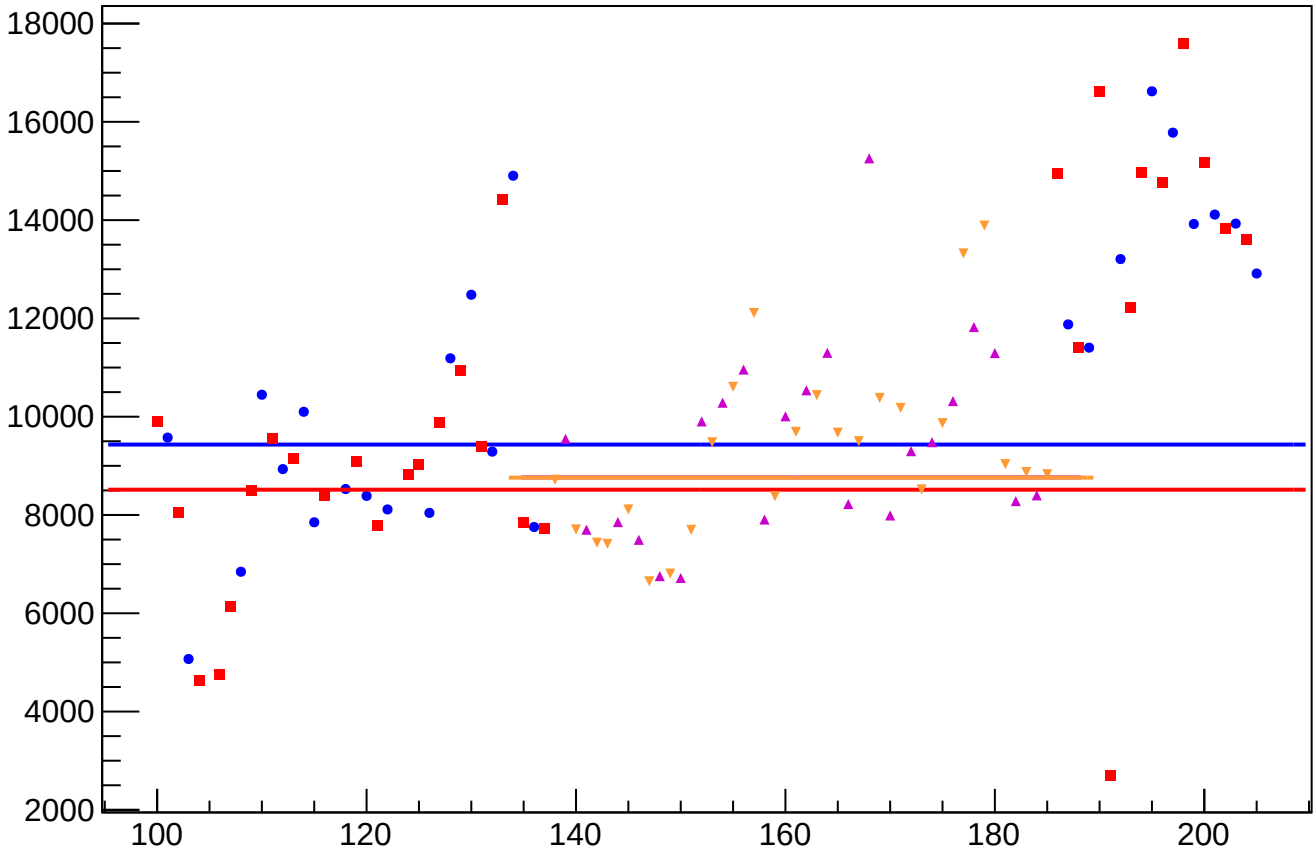
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2094.555+/-1781.472 χ^2/NDF: 52.9/54

In: -531.596+/-1643.699 χ^2/NDF:40.8/47

Out: -896.807+/-1552.403 χ^2/NDF:55.0/54

All: -724.625+/-1128.610 χ^2/NDF: 95.8/102



Right In: 9433.231+/-1.880 χ^2/NDF: 2836796.9/24

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8514.598+/-1.697 χ^2/NDF: 4893985.1/29

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

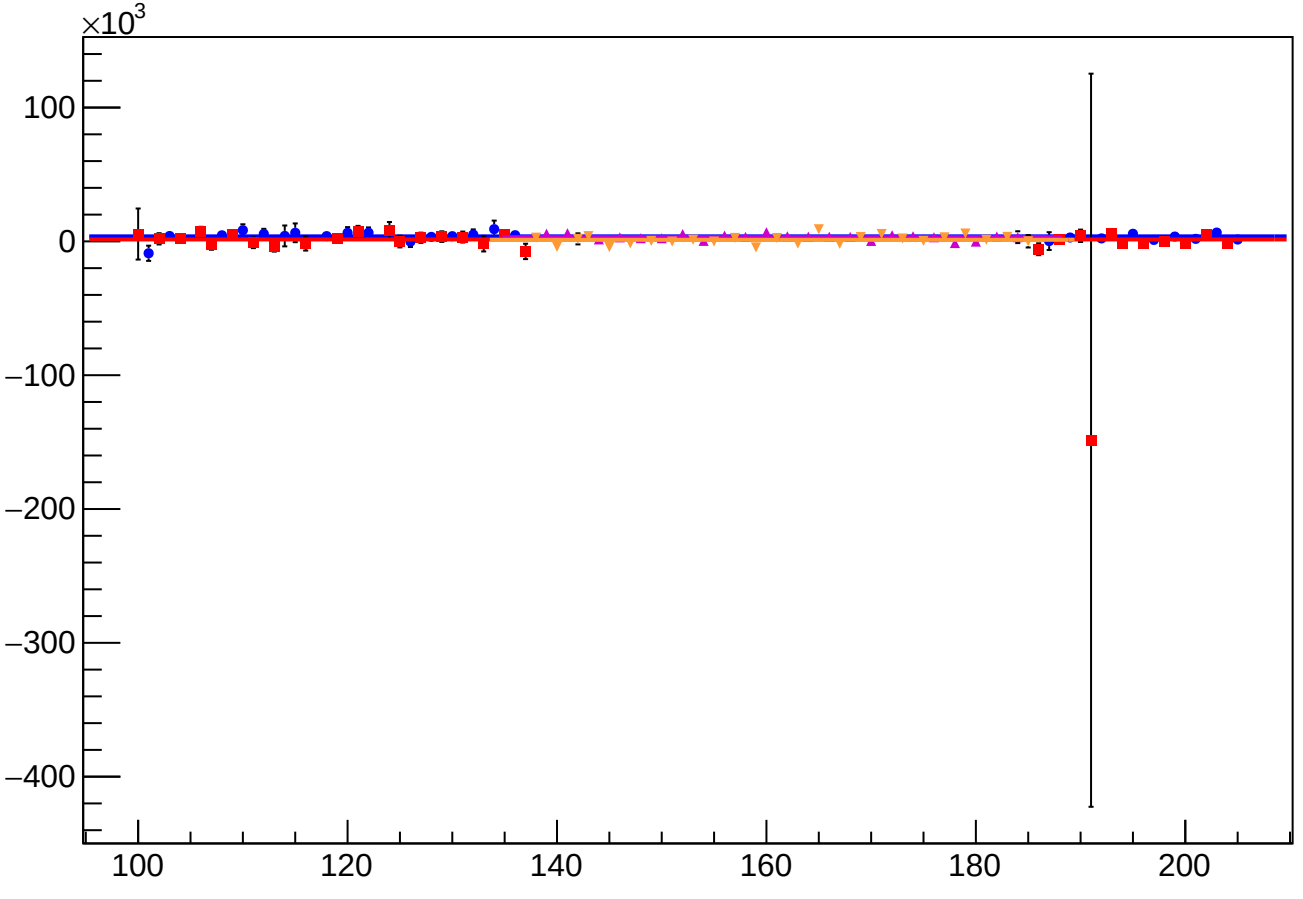
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8926.822+/-1.260 χ^2/NDF: 7862337.3/54

In: 9019.737+/-1.162 χ^2/NDF:4206736.4/47

Out: 8657.054+/-1.098 χ^2/NDF:6128360.2/54

All: 8828.044+/-0.798 χ^2/NDF: 10386562.6/1



Right In: 3753.000+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: 1441.826+/-683.290 χ^2/NDF: 26.7/29

Left In: 3147.222+/-569.221 χ^2/NDF:12.7/22

Left: 2145.360+/-397.832 χ^2/NDF: 49.9/47

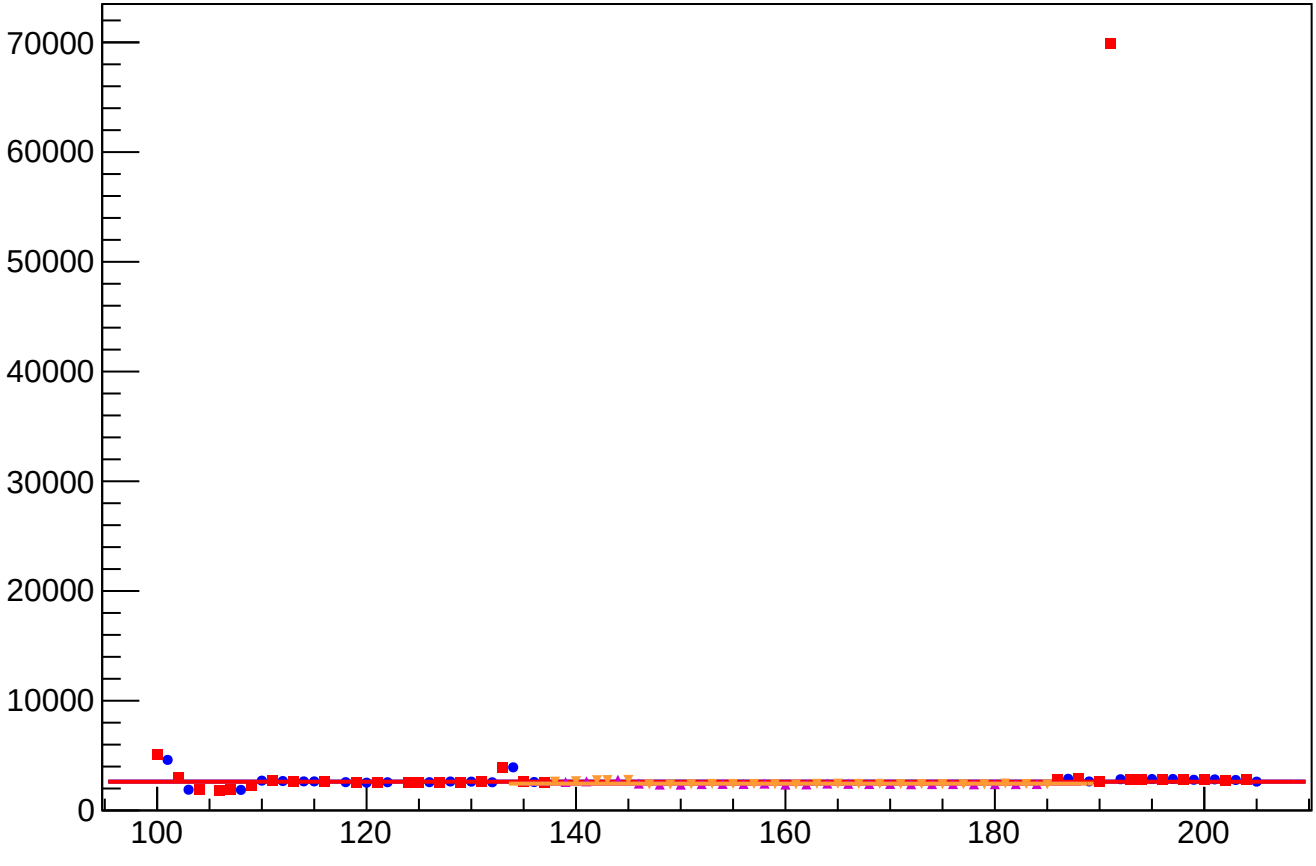
Right: 2553.780+/-492.196 χ^2/NDF: 45.2/54

In: 3384.407+/-444.015 χ^2/NDF:26.0/47

Out: 1289.568+/-431.377 χ^2/NDF:58.0/54

All: 2306.749+/-309.401 χ^2/NDF: 95.4/102

eigen_cor_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2631.796+/-0.502 χ^2/NDF: 700886.2/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2618.463+/-0.483 χ^2/NDF: 734515.9/29

Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

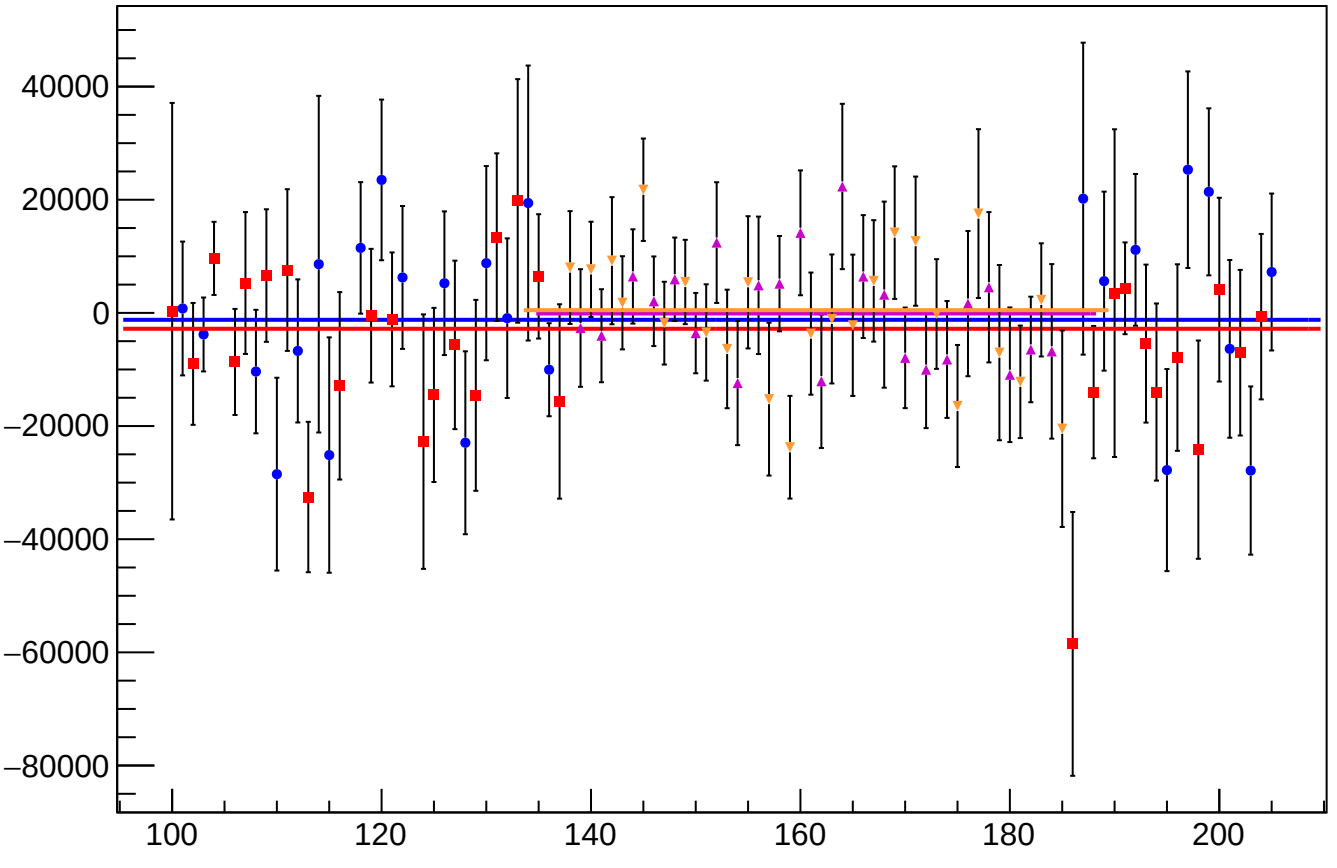
Left: 2441.002+/-0.281 χ^2/NDF: 149512.6/47

Right: 2624.878+/-0.348 χ^2/NDF: 1435768.5/54

In: 2512.631+/-0.314 χ^2/NDF:852774.1/47

Out: 2514.634+/-0.305 χ^2/NDF:901315.6/54

All: 2513.661+/-0.219 χ^2/NDF: 1754110.6/10



Right In: -1221.662+/-2659.394 χ^2/NDF: 26.2/24

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: -2805.107+/-2399.385 χ^2/NDF: 26.5/29

Left In: -105.025+/-2090.897 χ^2/NDF:14.5/22

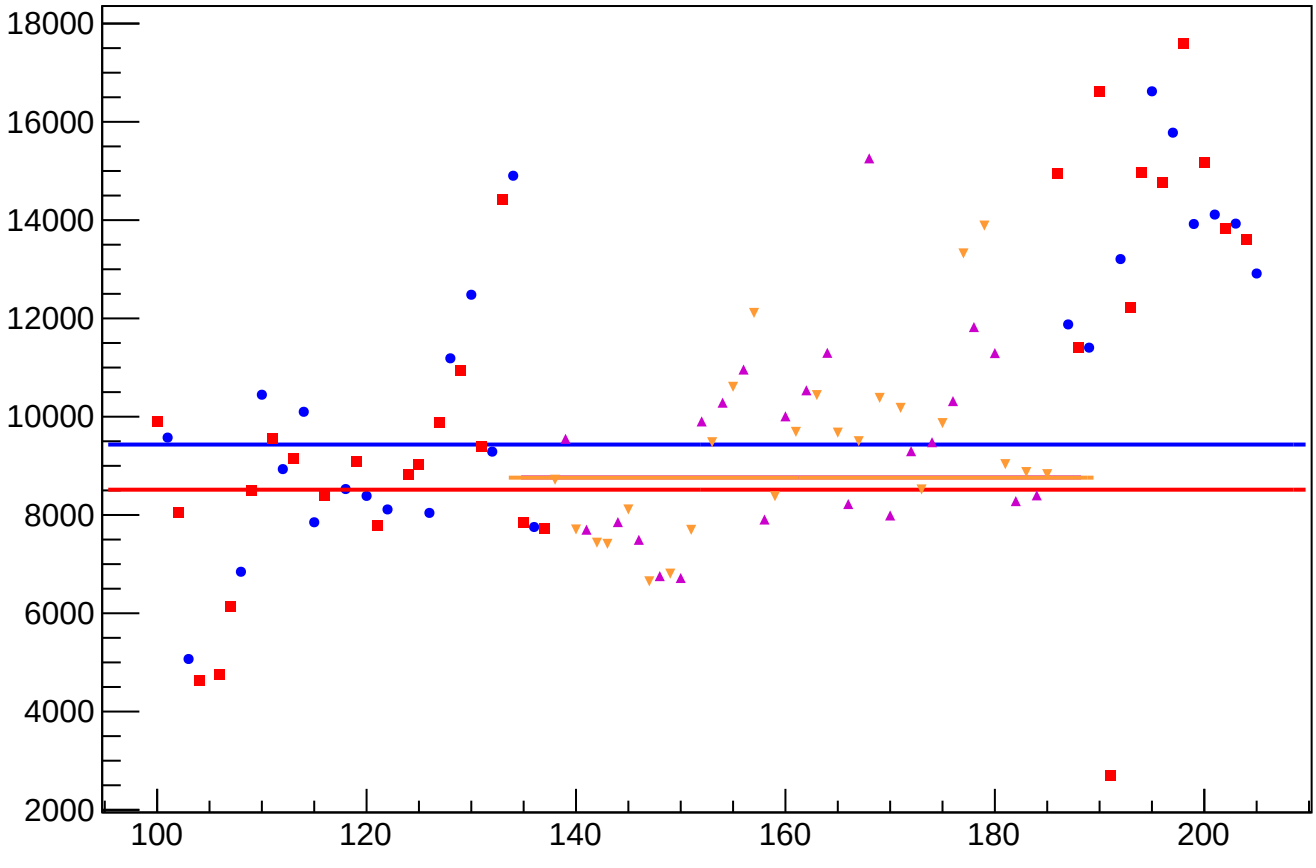
Left: 193.835+/-1458.679 χ^2/NDF: 41.9/47

Right: -2094.555+/-1781.472 χ^2/NDF: 52.9/54

In: -531.596+/-1643.699 χ^2/NDF:40.8/47

Out: -896.807+/-1552.403 χ^2/NDF:55.0/54

All: -724.625+/-1128.610 χ^2/NDF: 95.8/102



Right In: 9433.231+/-1.880 χ^2/NDF: 2836796.9/24

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8514.598+/-1.697 χ^2/NDF: 4893985.1/29

Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

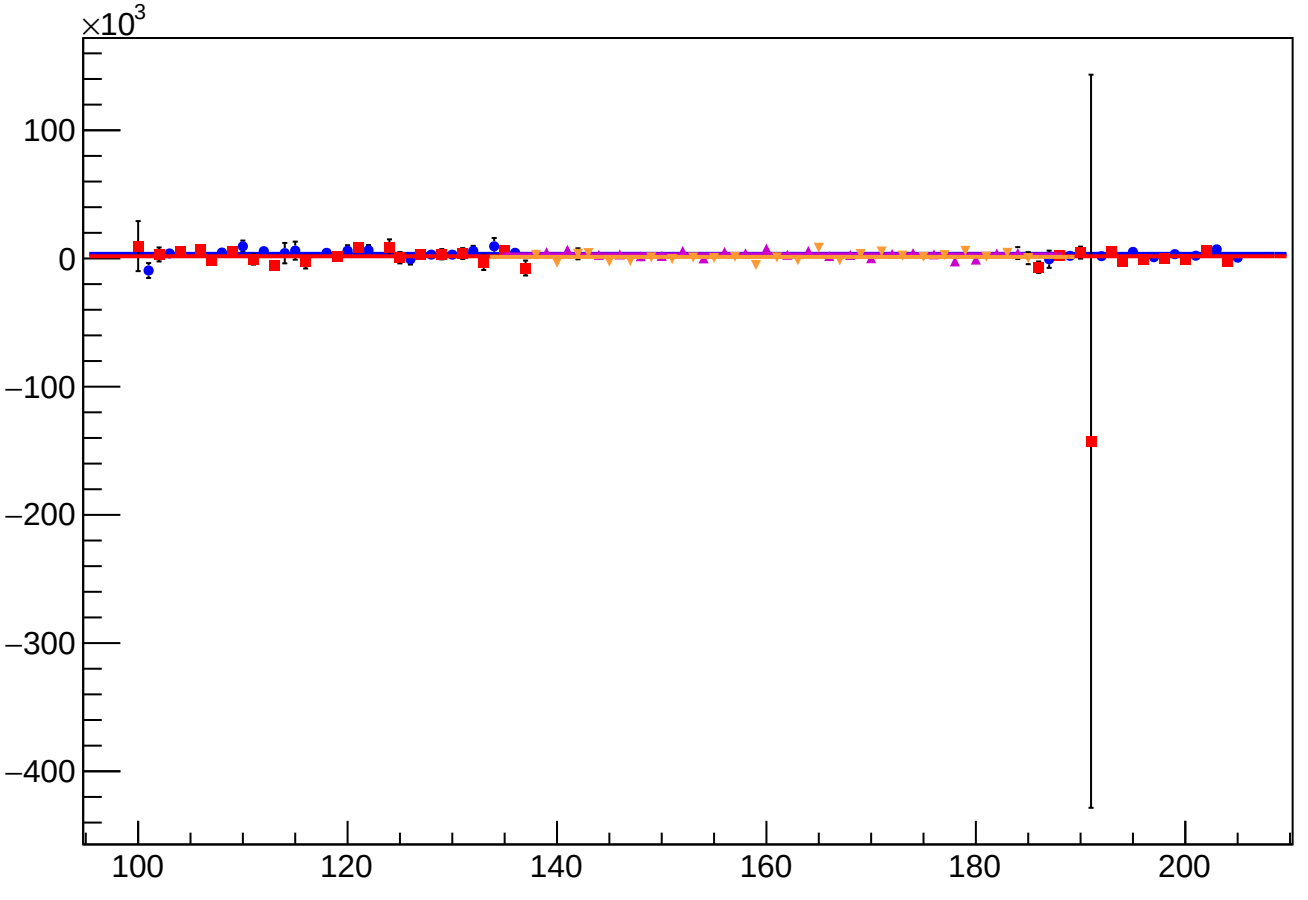
Left: 8761.819+/-1.031 χ^2/NDF: 2513953.9/47

Right: 8926.822+/-1.260 χ^2/NDF: 7862337.3/54

In: 9019.737+/-1.162 χ^2/NDF:4206736.4/47

Out: 8657.054+/-1.098 χ^2/NDF:6128360.2/54

All: 8828.044+/-0.798 χ^2/NDF: 10386562.6/1



Right In: 3611.018+/-732.787 χ^2/NDF: 14.9/24

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: 1706.449+/-707.584 χ^2/NDF: 31.1/29

Left In: 3150.265+/-592.116 χ^2/NDF:16.5/22

Left: 2161.543+/-414.227 χ^2/NDF: 48.7/47

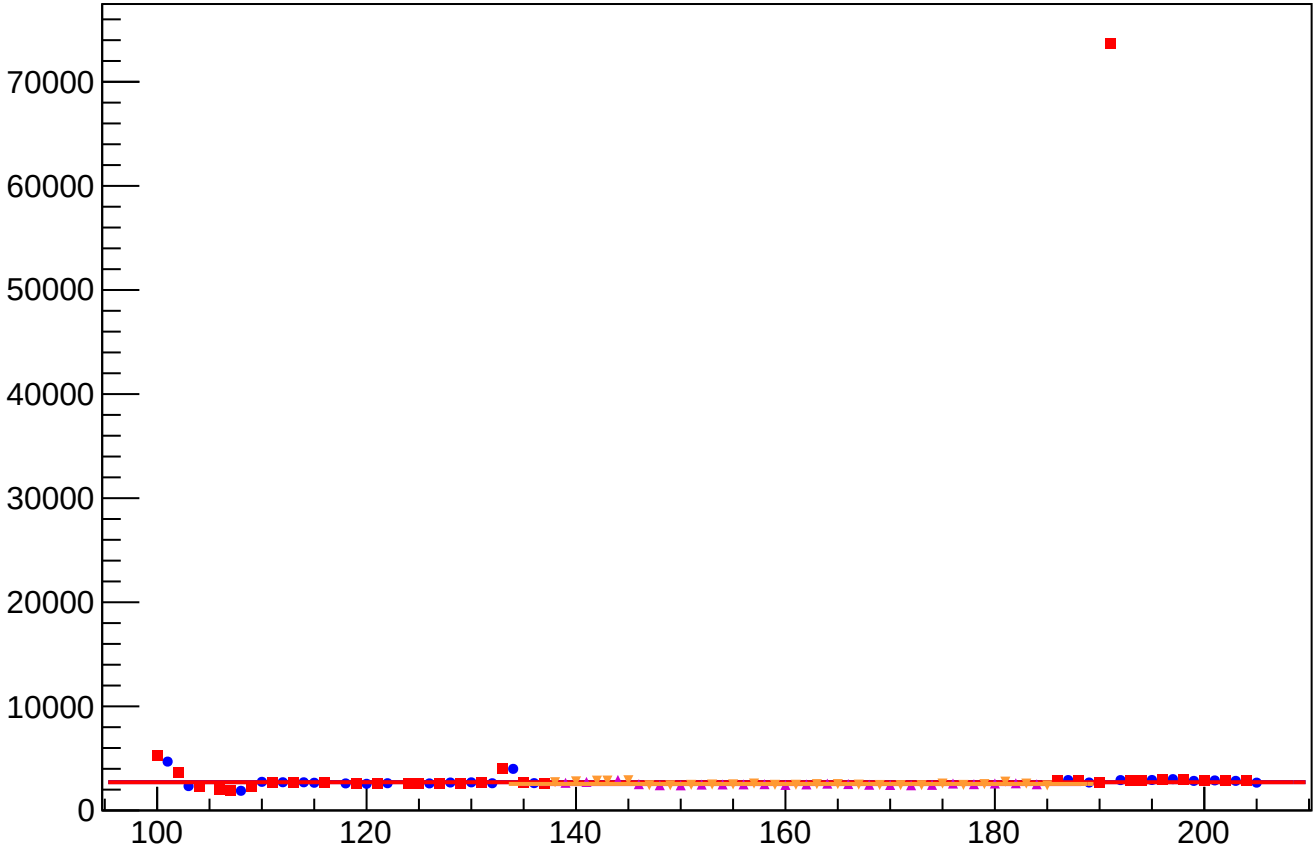
Right: 2625.419+/-509.014 χ^2/NDF: 49.5/54

In: 3332.267+/-460.555 χ^2/NDF:31.6/47

Out: 1411.703+/-448.421 χ^2/NDF:58.2/54

All: 2346.353+/-321.286 χ^2/NDF: 98.8/102

dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2724.408+/-0.518 χ^2/NDF: 553368.2/24

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2711.075+/-0.500 χ^2/NDF: 637394.1/29

Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

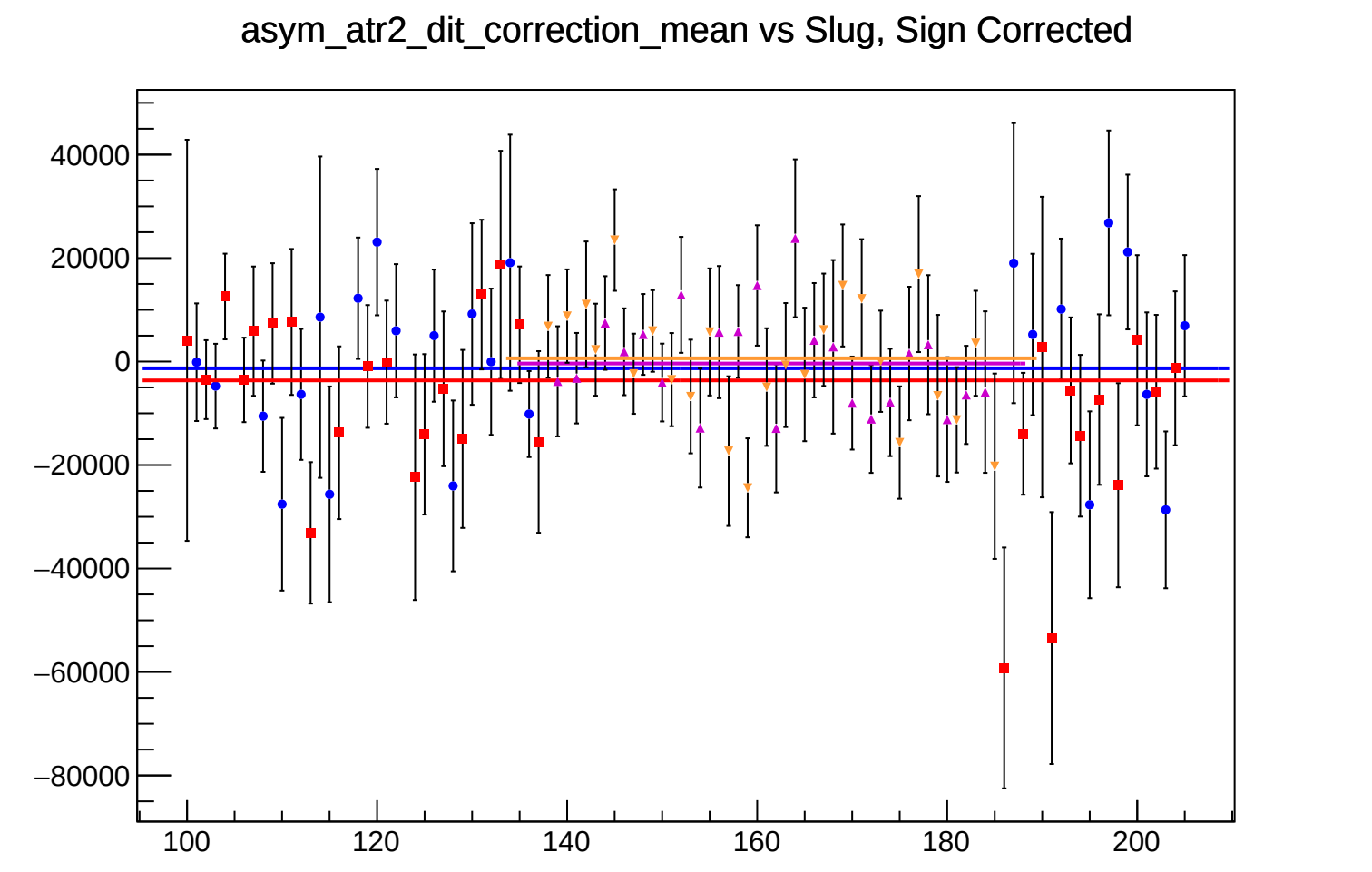
Left: 2540.116+/-0.293 χ^2/NDF: 186342.1/47

Right: 2717.506+/-0.360 χ^2/NDF: 1191105.0/54

In: 2608.470+/-0.326 χ^2/NDF:704560.8/47

Out: 2613.013+/-0.317 χ^2/NDF:818944.2/54

All: 2610.803+/-0.227 χ^2/NDF: 1523604.9/10



Right In: -1304.067+/-2750.443 χ^2/NDF: 26.0/24

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: -3637.632+/-2490.588 χ^2/NDF: 28.9/29

Left In: -377.922+/-2176.347 χ^2/NDF:14.2/22

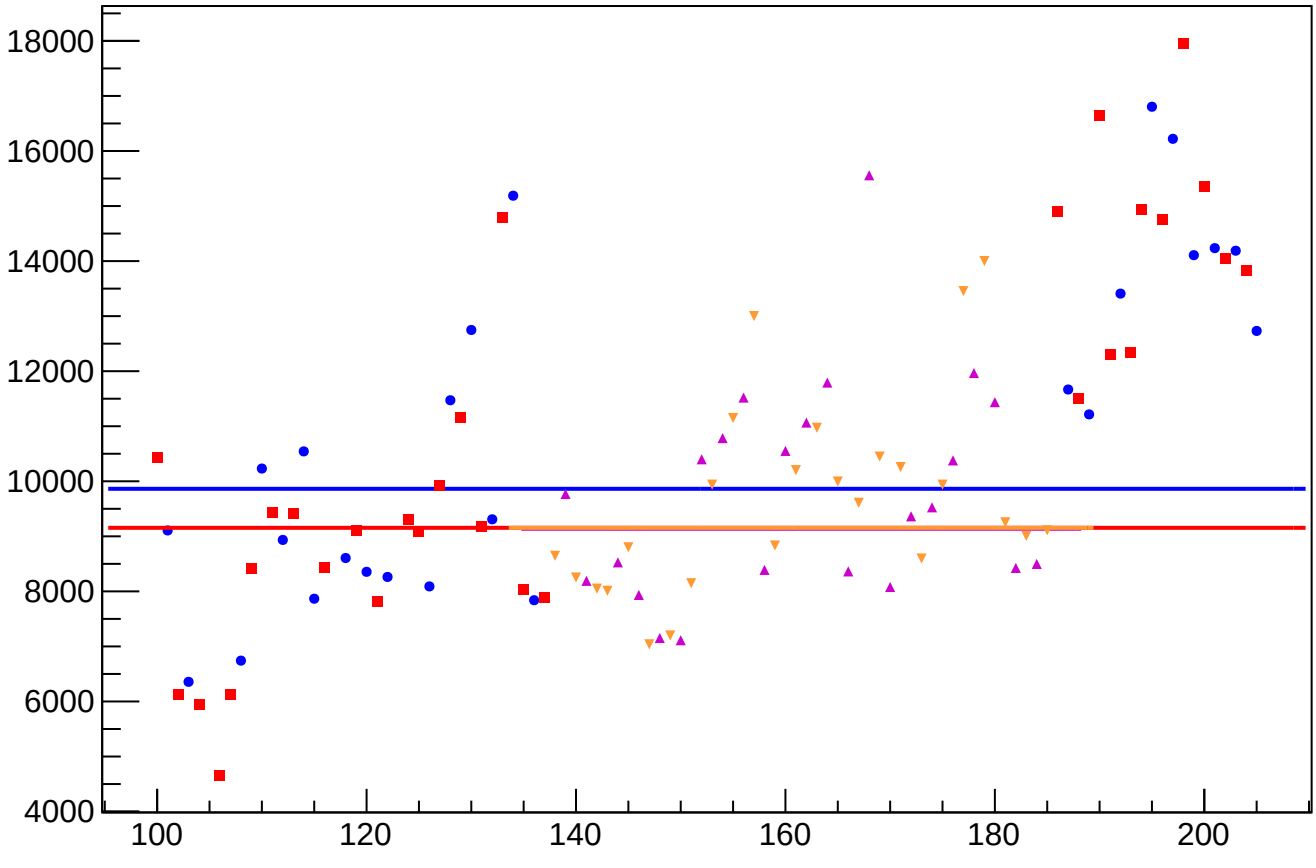
Left: 139.216+/-1519.735 χ^2/NDF: 41.0/47

Right: -2586.266+/-1846.161 χ^2/NDF: 55.3/54

In: -734.521+/-1706.684 χ^2/NDF:40.3/47

Out: -1165.249+/-1615.719 χ^2/NDF:57.3/54

All: -961.669+/-1173.327 χ^2/NDF: 97.7/102



Right In: 9863.547+/-1.945 χ^2/NDF: 2250922.8/24

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9154.785+/-1.761 χ^2/NDF: 3648082.5/29

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

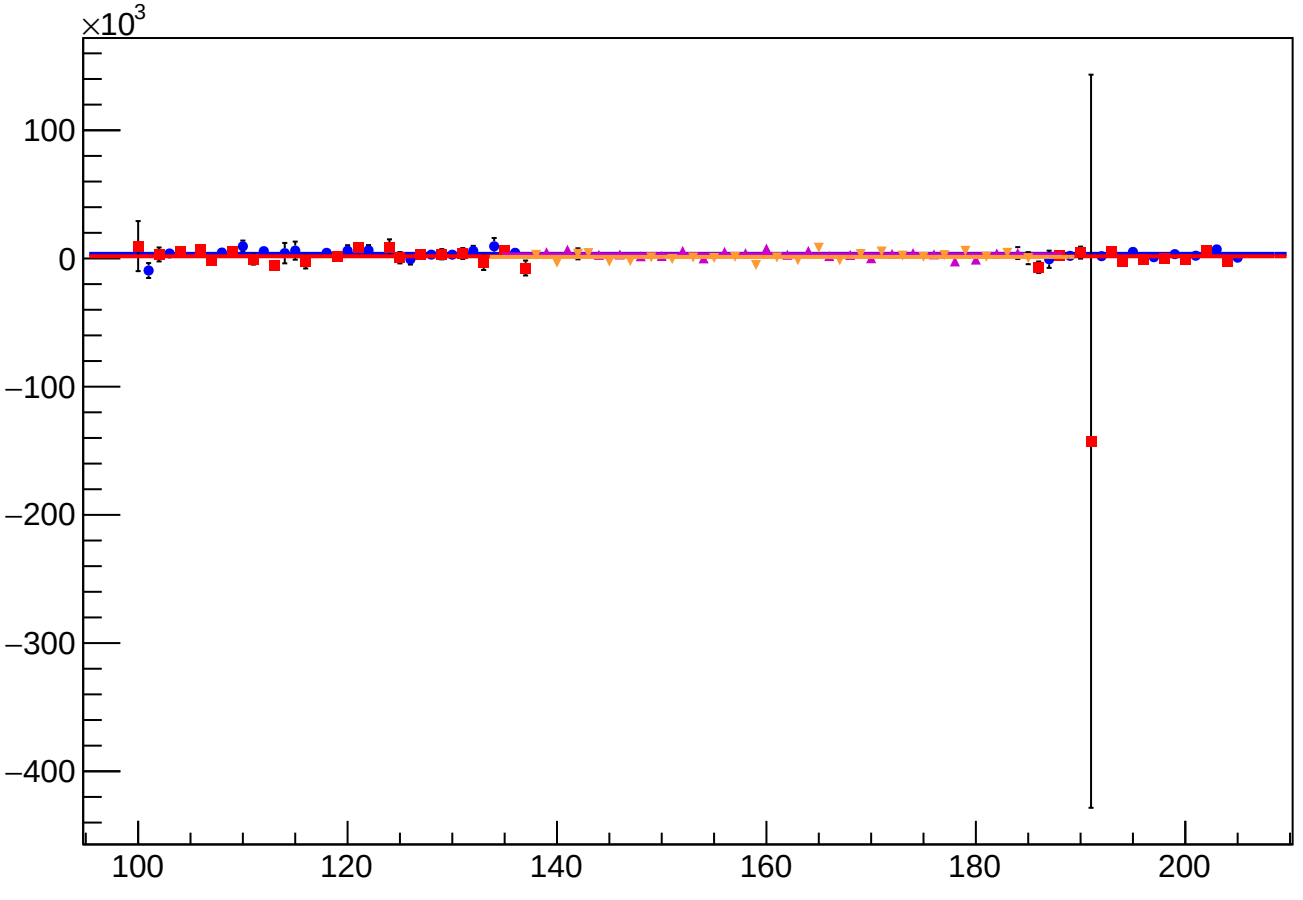
Left: 9146.344+/-1.075 χ^2/NDF: 2244929.5/47

Right: 9474.111+/-1.305 χ^2/NDF: 5971978.3/54

In: 9417.101+/-1.207 χ^2/NDF:3509401.8/47

Out: 9154.729+/-1.142 χ^2/NDF:4720156.5/54

All: 9278.737+/-0.830 χ^2/NDF: 8254485.0/10



Right In: 3611.017+/-732.787 χ^2/NDF: 14.9/24

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: 1706.452+/-707.584 χ^2/NDF: 31.1/29

Left In: 3150.264+/-592.117 χ^2/NDF:16.5/22

Left: 2161.537+/-414.228 χ^2/NDF: 48.7/47

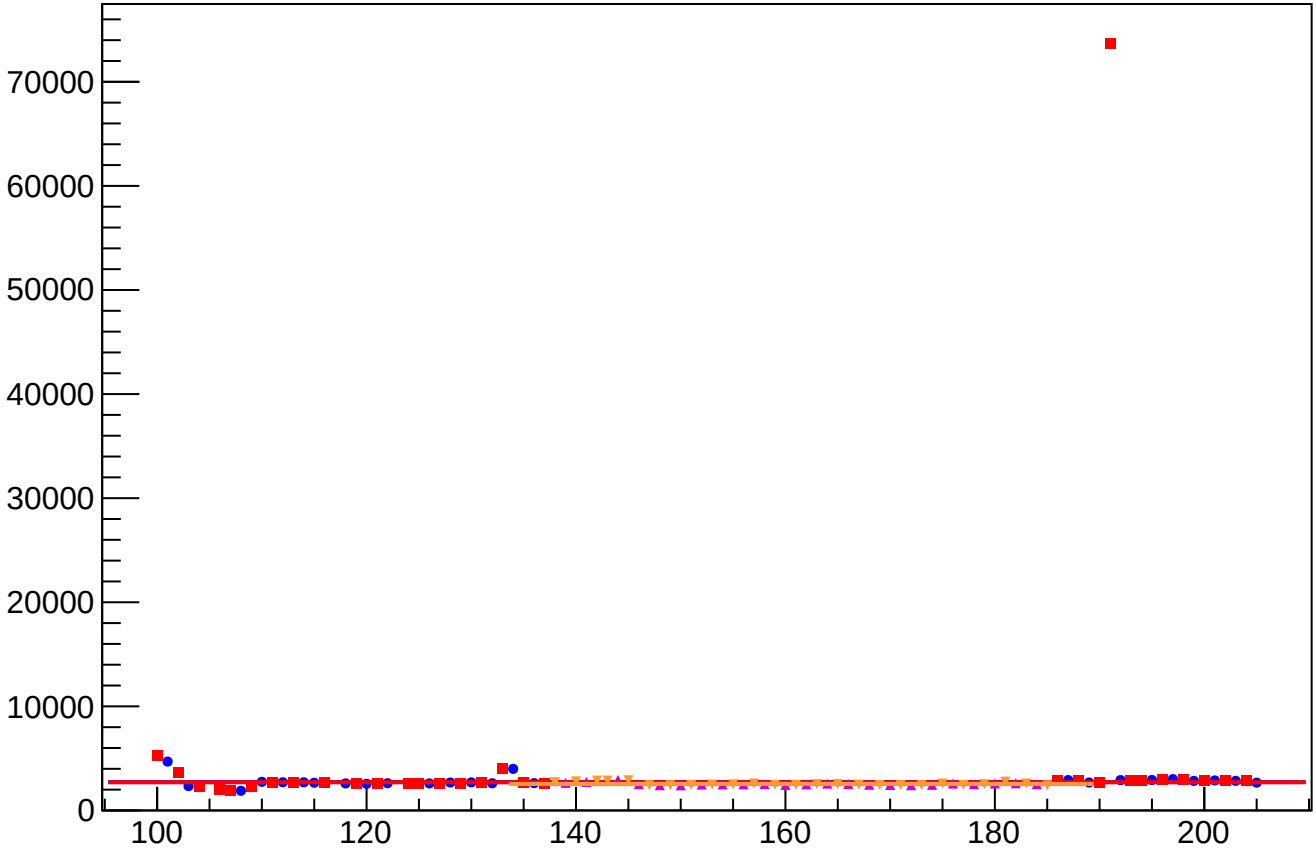
Right: 2625.420+/-509.014 χ^2/NDF: 49.5/54

In: 3332.266+/-460.555 χ^2/NDF:31.6/47

Out: 1411.698+/-448.421 χ^2/NDF:58.2/54

All: 2346.350+/-321.286 χ^2/NDF: 98.8/102

eigen_dit_asym_atr2_rms vs Slug, Sign Corrected



Right In: 2724.407+/-0.518 χ^2/NDF: 553368.9/24

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2711.076+/-0.500 χ^2/NDF: 637394.1/29

Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

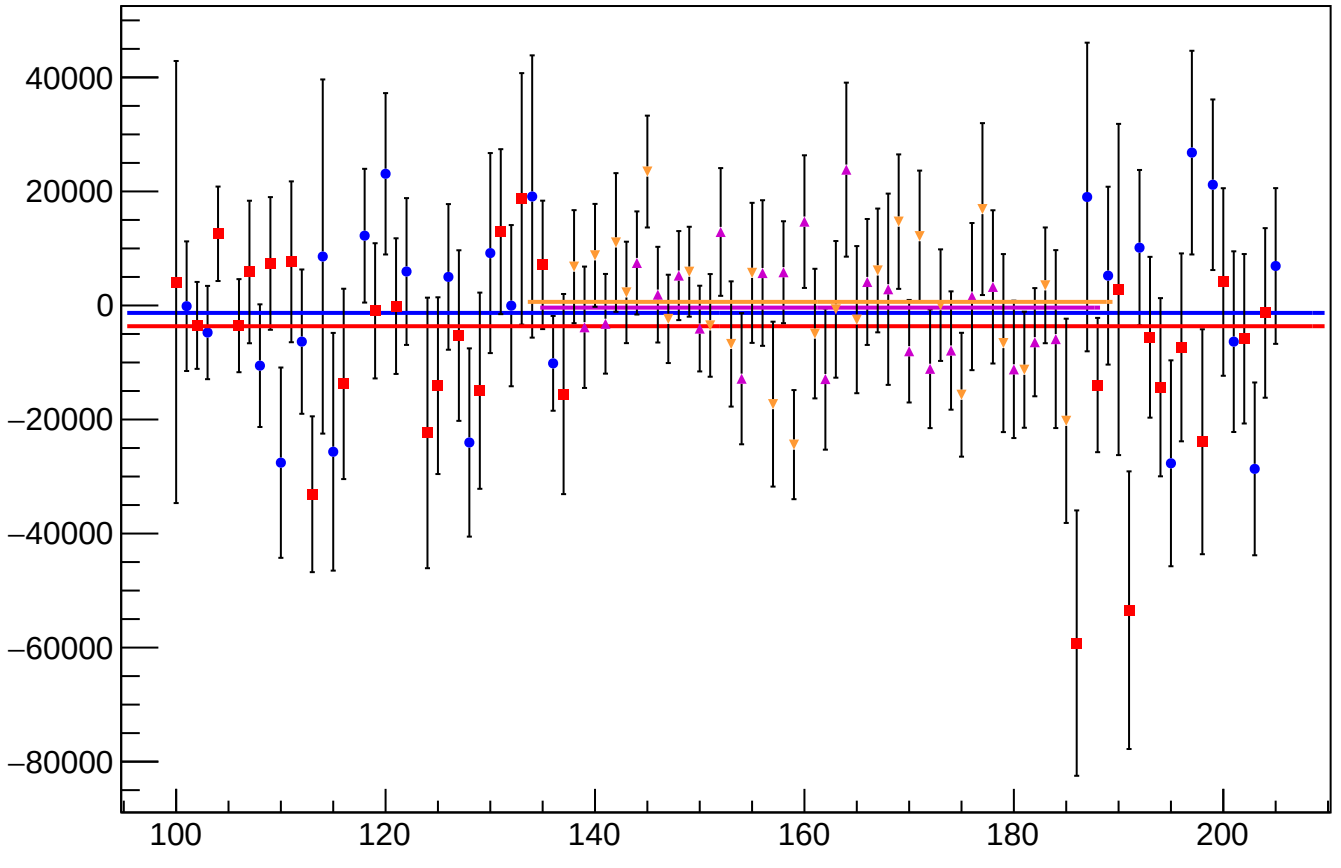
Left: 2540.117+/-0.293 χ^2/NDF: 186341.7/47

Right: 2717.506+/-0.360 χ^2/NDF: 1191105.7/54

In: 2608.471+/-0.326 χ^2/NDF:704559.2/47

Out: 2613.014+/-0.317 χ^2/NDF:818943.1/54

All: 2610.804+/-0.227 χ^2/NDF: 1523602.2/10



Right In: -1304.045+/-2750.441 χ^2/NDF: 26.0/24

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: -3637.622+/-2490.585 χ^2/NDF: 28.9/29

Left In: -377.927+/-2176.350 χ^2/NDF:14.2/22

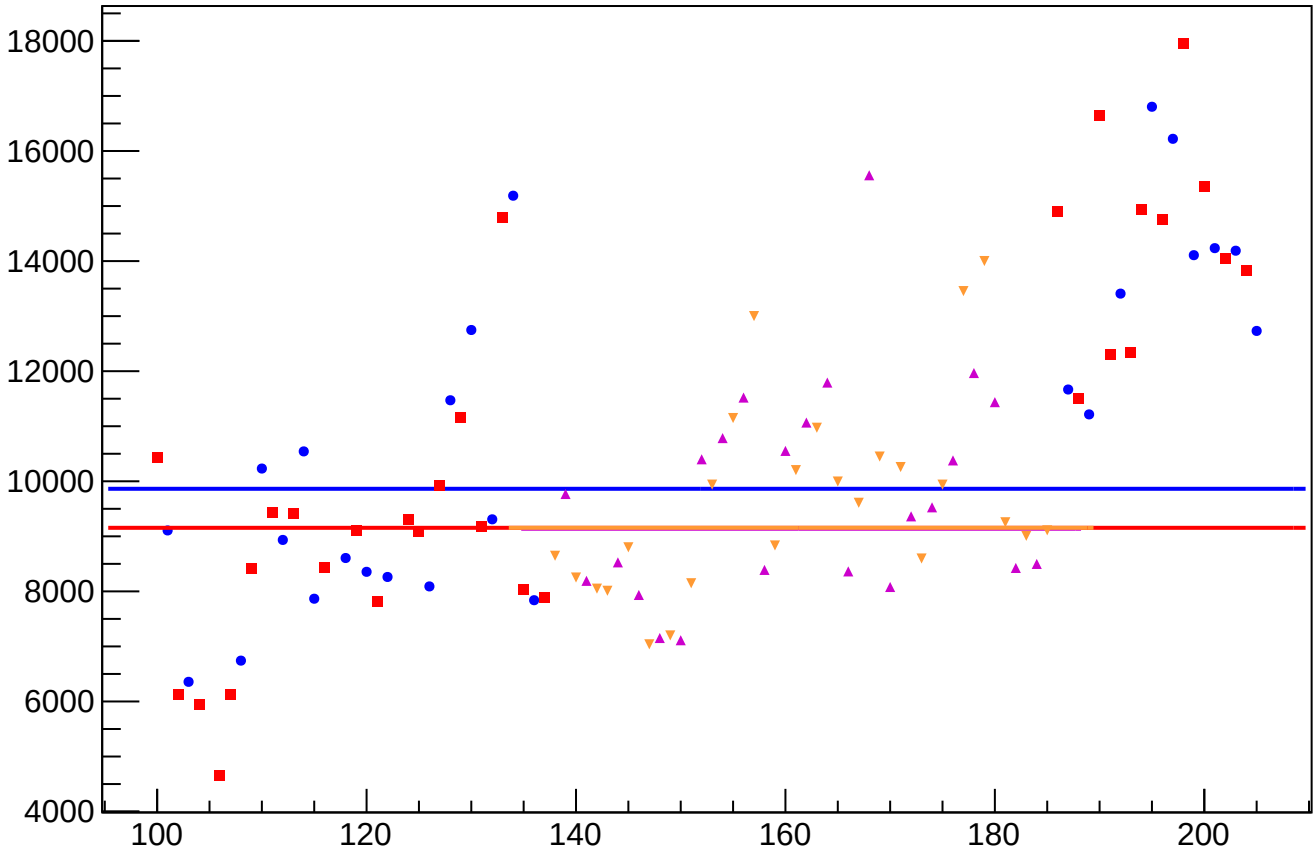
Left: 139.212+/-1519.737 χ^2/NDF: 41.0/47

Right: -2586.251+/-1846.160 χ^2/NDF: 55.3/54

In: -734.516+/-1706.685 χ^2/NDF:40.3/47

Out: -1165.252+/-1615.720 χ^2/NDF:57.3/54

All: -961.669+/-1173.327 χ^2/NDF: 97.7/102



Right In: 9863.540+/-1.945 χ^2/NDF: 2250932.9/24

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9154.774+/-1.761 χ^2/NDF: 3648096.8/29

Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

Left: 9146.358+/-1.075 χ^2/NDF: 2244935.3/47

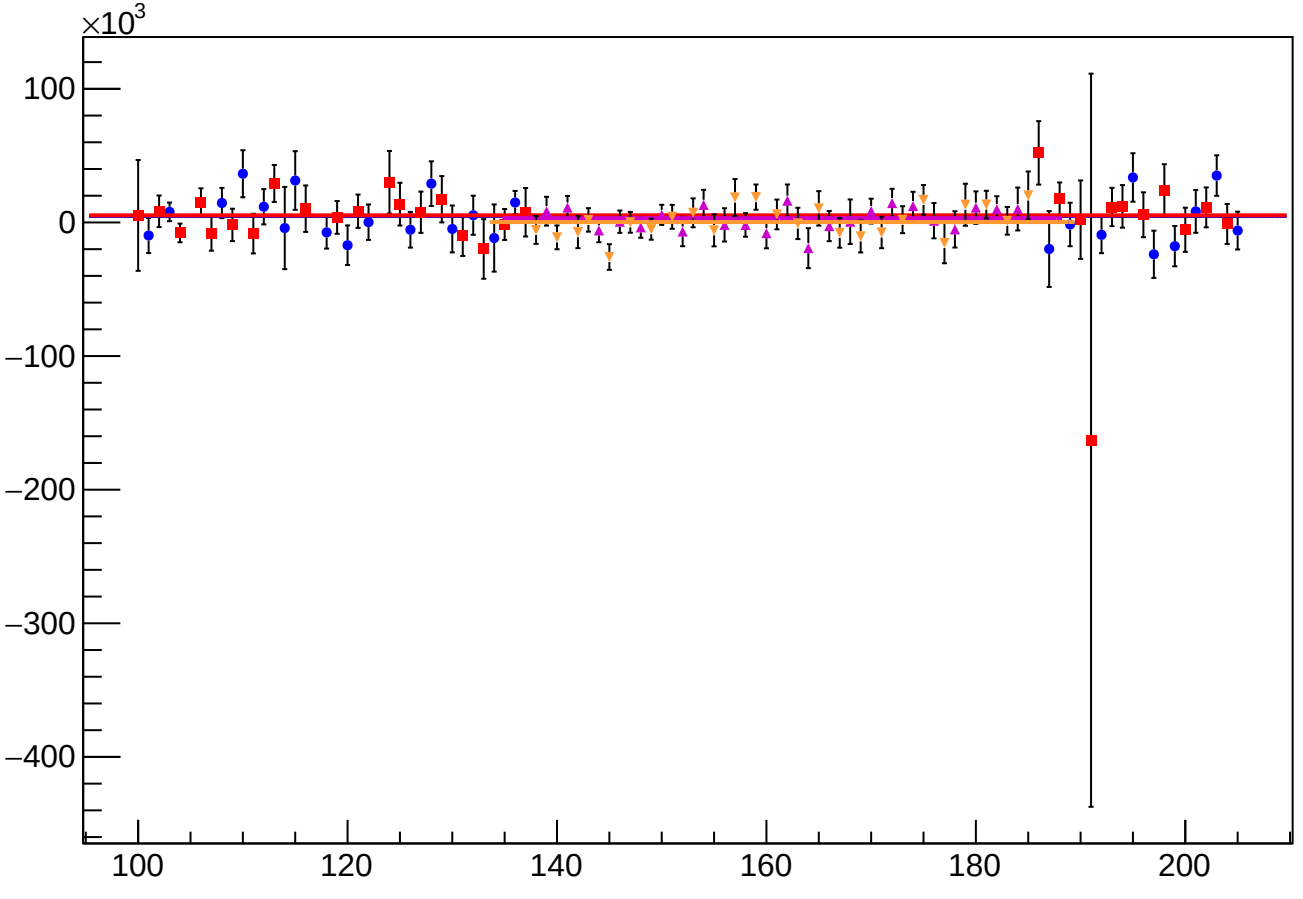
Right: 9474.101+/-1.305 χ^2/NDF: 5972003.5/54

In: 9417.107+/-1.207 χ^2/NDF:3509410.5/47

Out: 9154.733+/-1.142 χ^2/NDF:4720172.7/54

All: 9278.742+/-0.830 χ^2/NDF: 8254510.4/10

asym_atr2_mean vs Slug, Sign Corrected



Right In: 4816.033+/-2778.890 χ^2/NDF: 29.3/24

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: 5329.407+/-2639.129 χ^2/NDF: 21.8/29

Left In: 3233.667+/-2179.845 χ^2/NDF:13.6/22

Left: 1727.184+/-1521.763 χ^2/NDF: 40.8/47

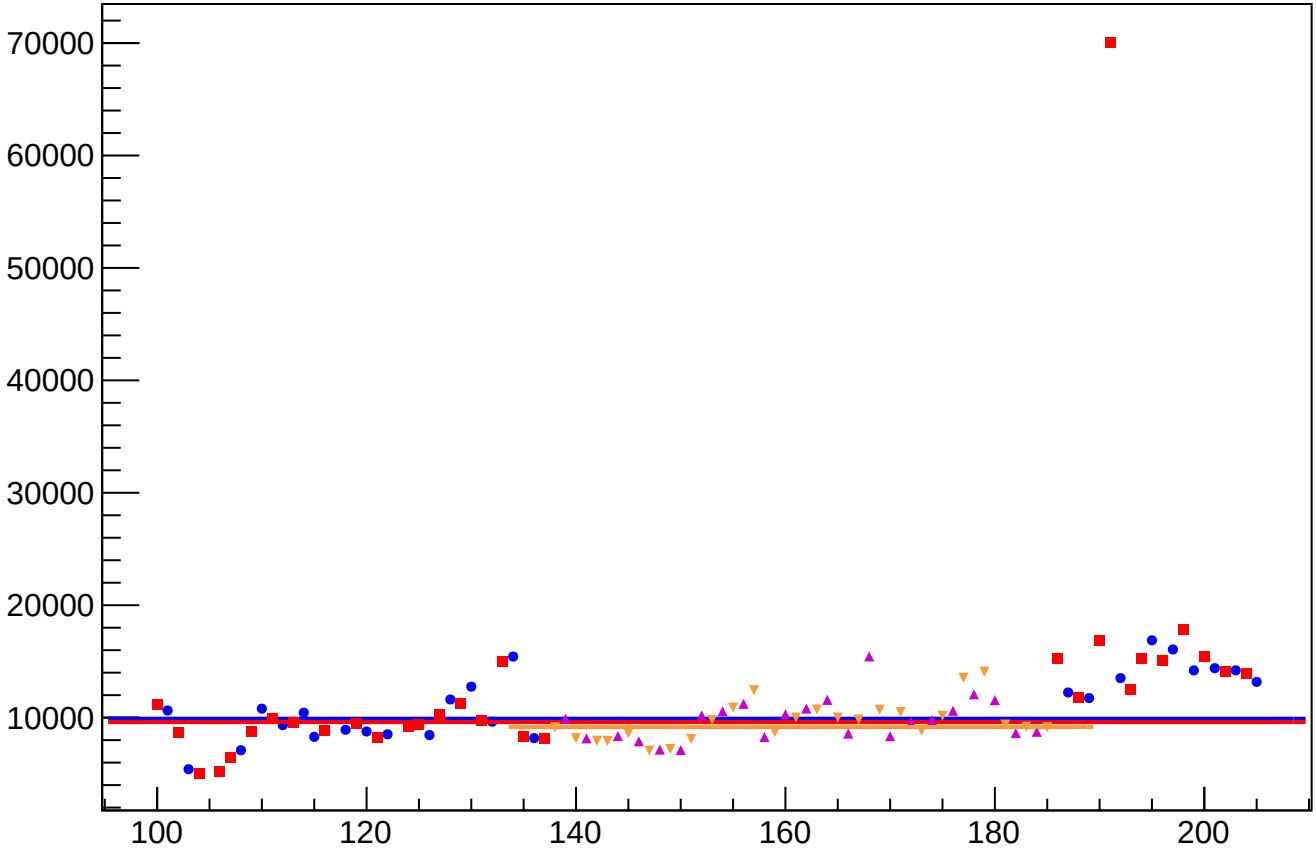
Right: 5085.954+/-1913.648 χ^2/NDF: 51.1/54

In: 3836.440+/-1715.121 χ^2/NDF:43.1/47

Out: 2275.617+/-1655.329 χ^2/NDF:50.3/54

All: 3028.348+/-1191.072 χ^2/NDF: 93.8/102

asym_atr2_rms vs Slug, Sign Corrected



Right In: 9906.618+/-1.965 χ^2/NDF: 2604796.2/24

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9604.359+/-1.866 χ^2/NDF: 3491668.4/29

Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

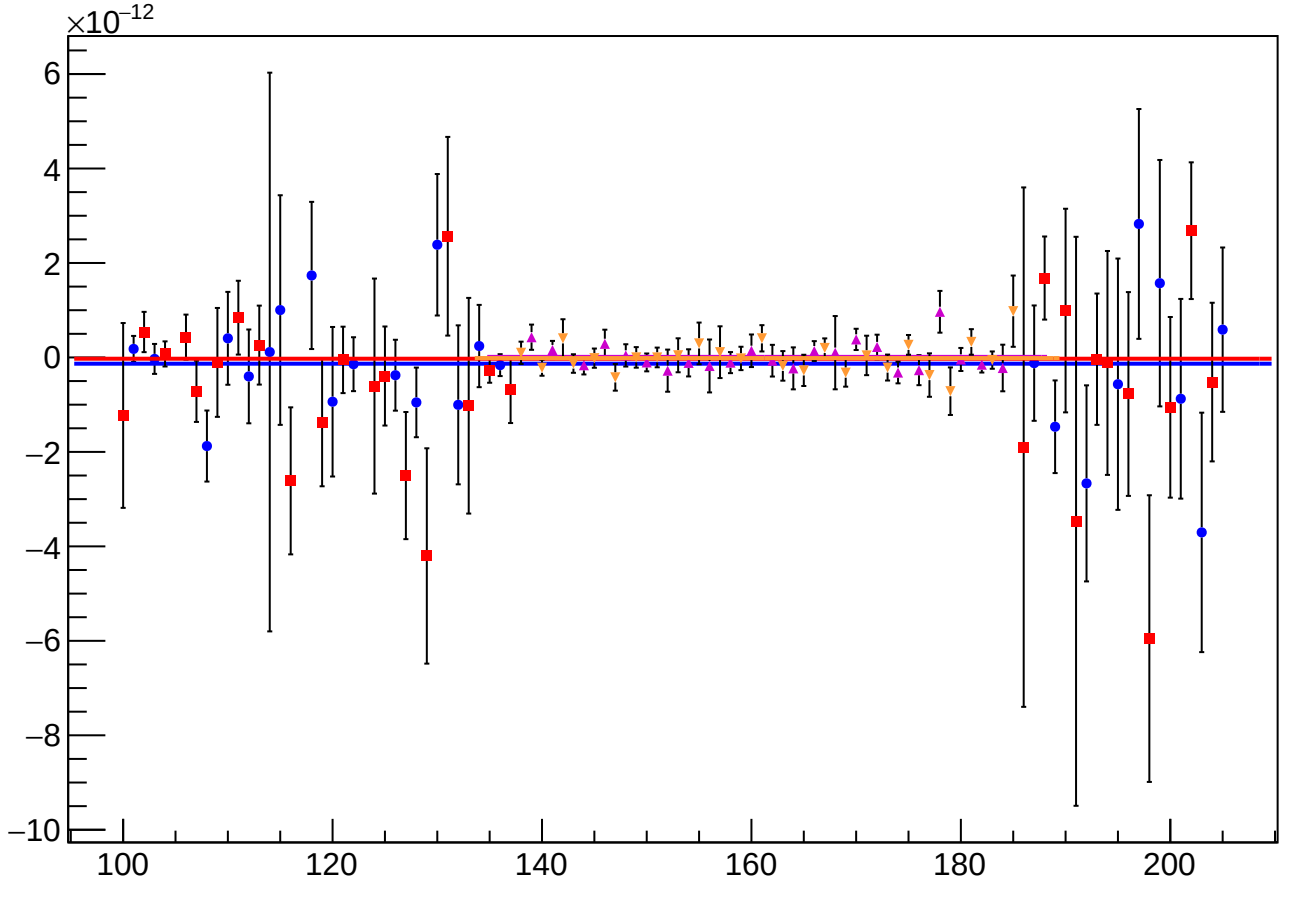
Left: 9167.685+/-1.076 χ^2/NDF: 2184504.3/47

Right: 9747.694+/-1.353 χ^2/NDF: 6108905.7/54

In: 9445.820+/-1.213 χ^2/NDF:3821162.0/47

Out: 9342.601+/-1.170 χ^2/NDF:4581052.5/54

All: 9392.379+/-0.842 χ^2/NDF: 8405964.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/29

Left In: 0.000+/-0.000 χ^2/NDF:19.2/22

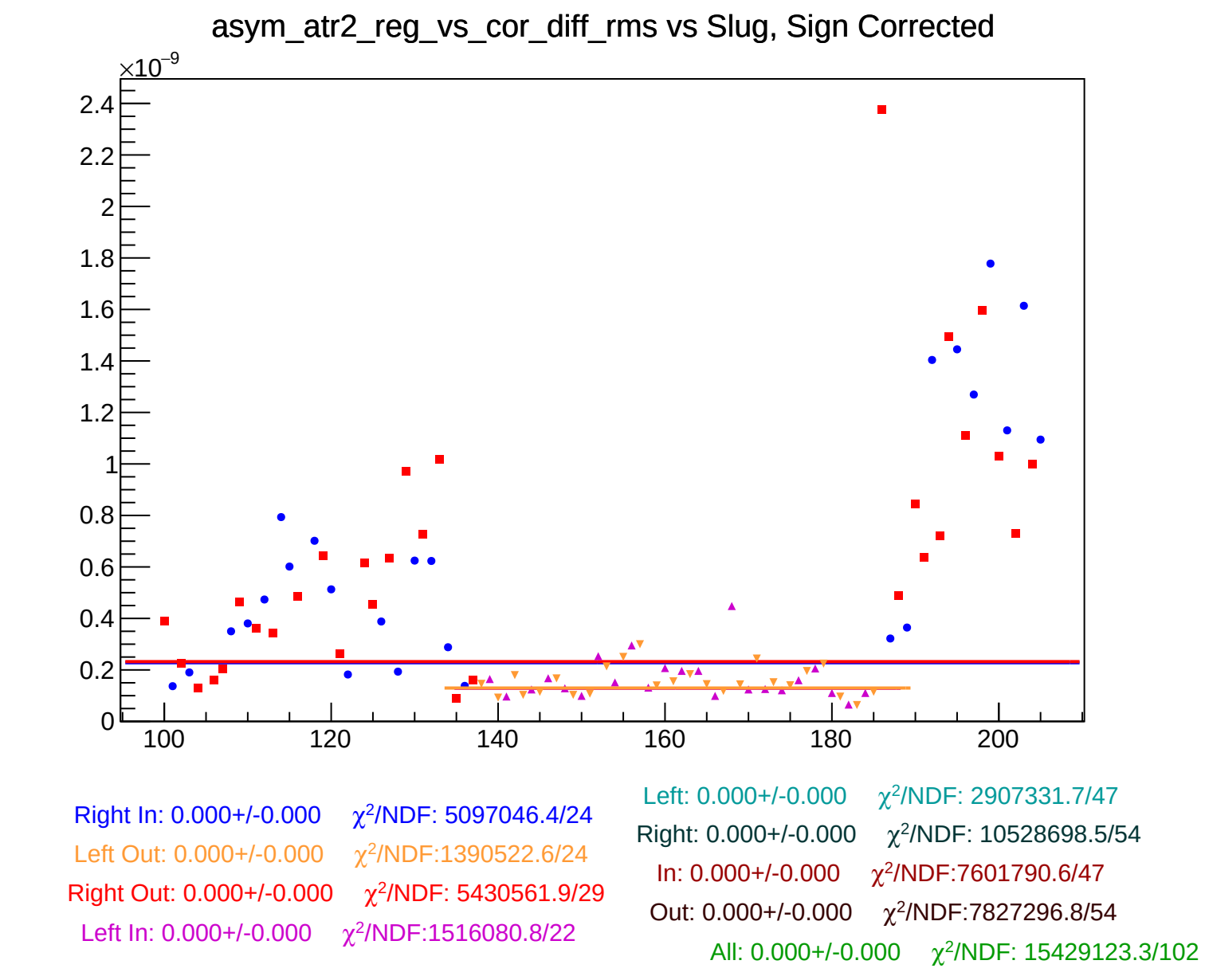
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

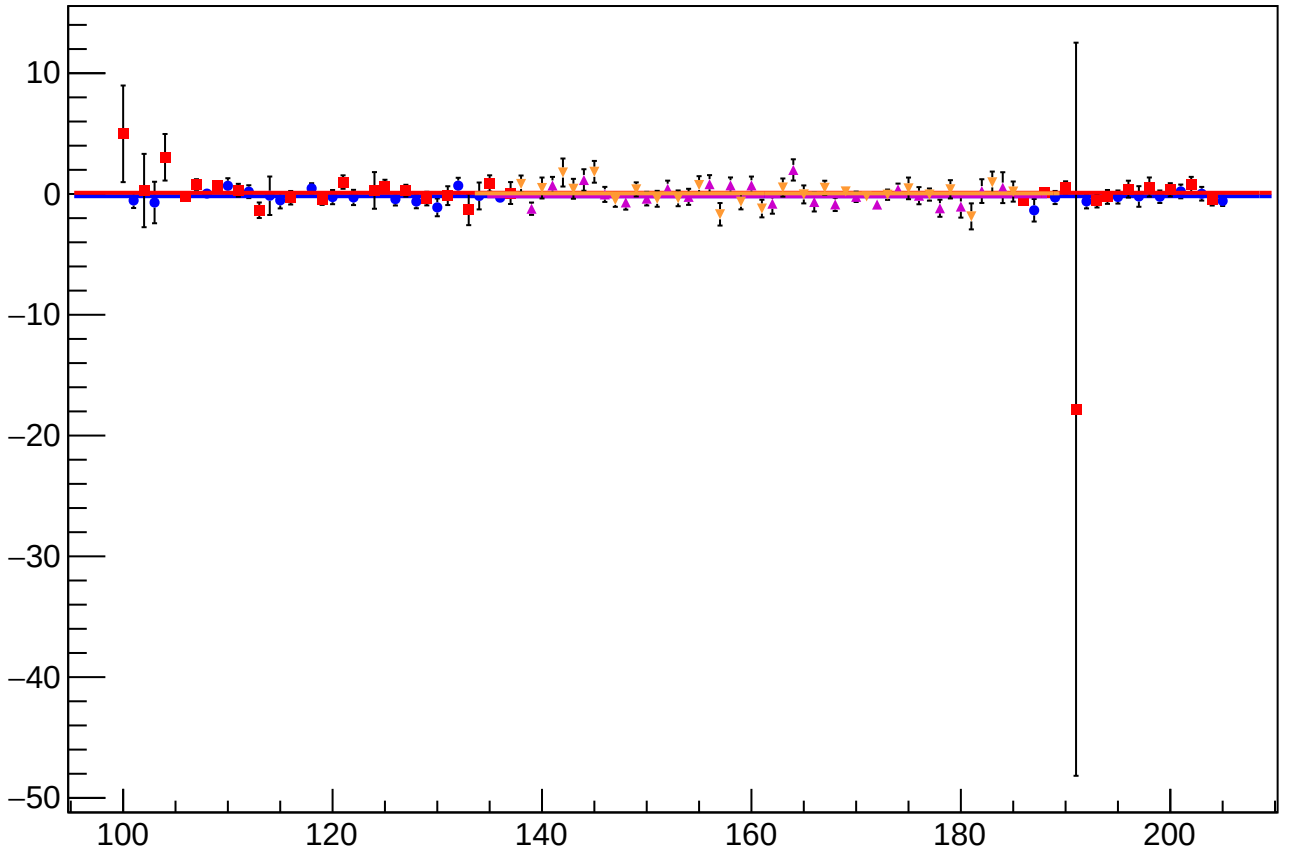
Right: -0.000+/-0.000 χ^2/NDF: 53.5/54

In: -0.000+/-0.000 χ^2/NDF:41.4/47

Out: -0.000+/-0.000 χ^2/NDF:51.4/54

All: -0.000+/-0.000 χ^2/NDF: 92.8/102


asym_atr2_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5097046.4/24
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 5430561.9/29
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: 10528698.5/54
In: 0.000+/-0.000 χ²/NDF:7601790.6/47
Out: 0.000+/-0.000 χ²/NDF:7827296.8/54
All: 0.000+/-0.000 χ²/NDF: 15429123.3/102



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.100+/-0.097 χ^2/NDF: 33.8/29

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

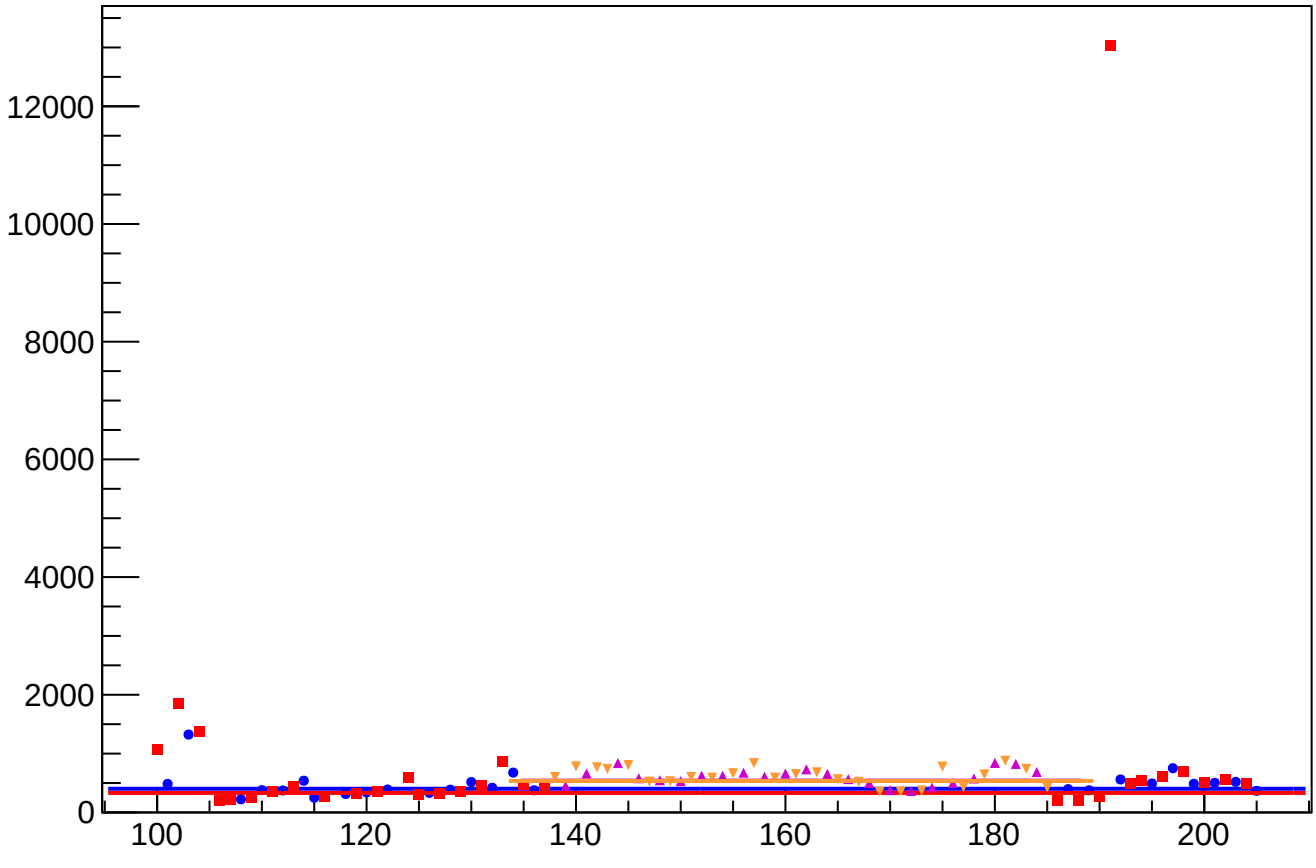
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.018+/-0.074 χ^2/NDF: 50.9/54

In: -0.187+/-0.087 χ^2/NDF:44.7/47

Out: 0.084+/-0.078 χ^2/NDF:58.6/54

All: -0.037+/-0.058 χ^2/NDF: 108.7/102



Right In: 402.627+/-0.081 χ^2/NDF: 2289086.7/24

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459171.4/29

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

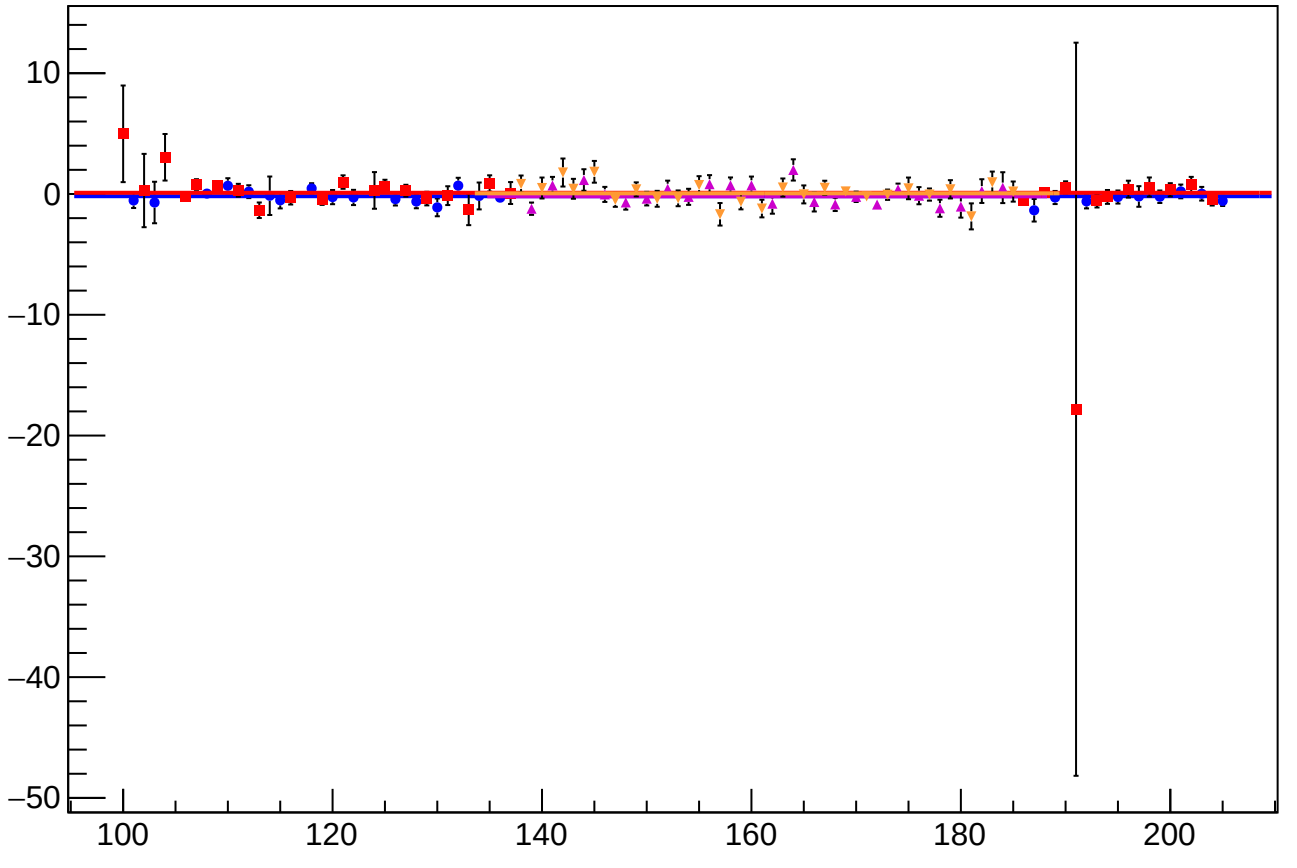
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 361.486+/-0.053 χ^2/NDF: 8187731.9/54

In: 461.674+/-0.062 χ^2/NDF:5427823.3/47

Out: 405.662+/-0.055 χ^2/NDF:11377812.4/54

All: 430.553+/-0.041 χ^2/NDF: 17265913.6/10



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.100+/-0.097 χ^2/NDF: 33.8/29

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

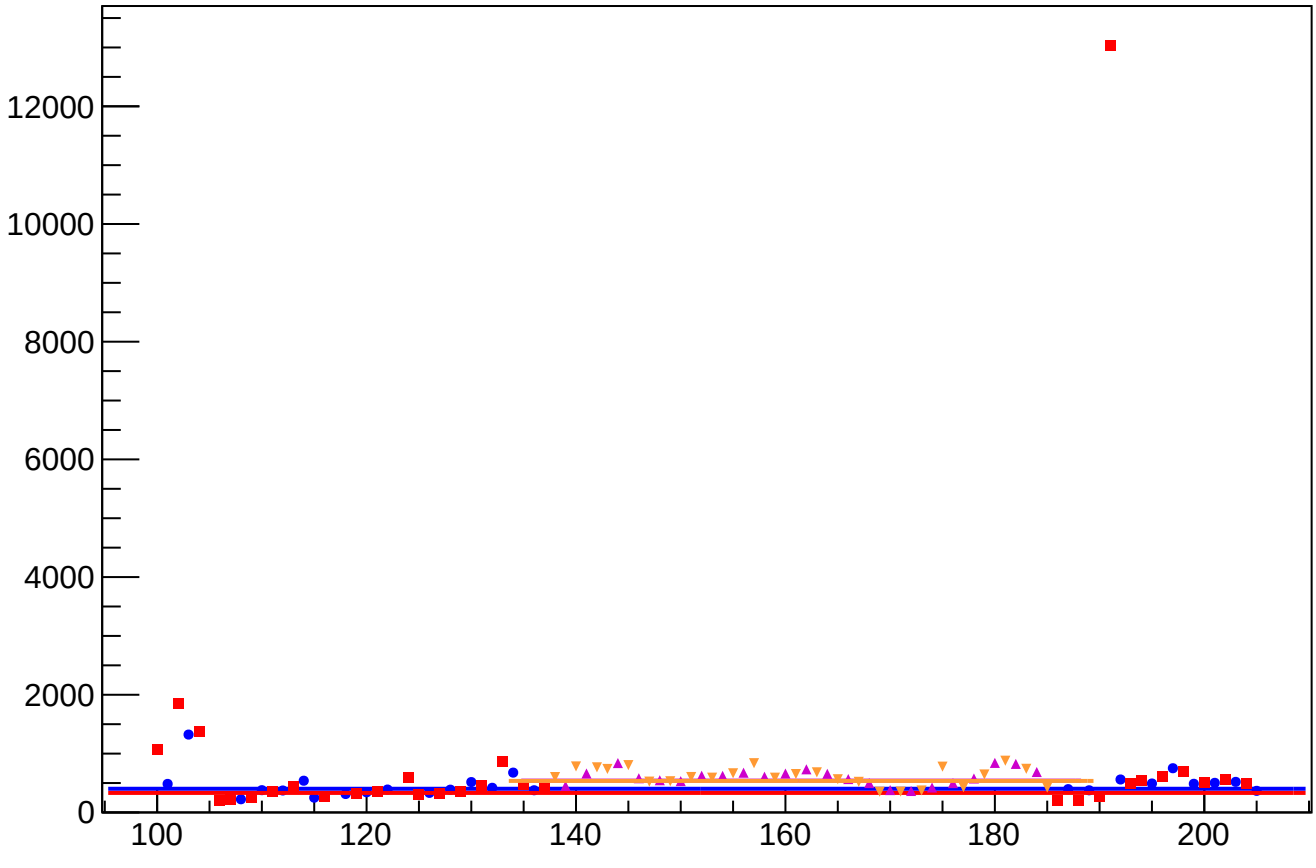
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.018+/-0.074 χ^2/NDF: 50.9/54

In: -0.187+/-0.087 χ^2/NDF:44.7/47

Out: 0.084+/-0.078 χ^2/NDF:58.6/54

All: -0.037+/-0.058 χ^2/NDF: 108.7/102



Right In: 402.627+/-0.081 χ^2/NDF: 2289086.7/24

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459171.4/29

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

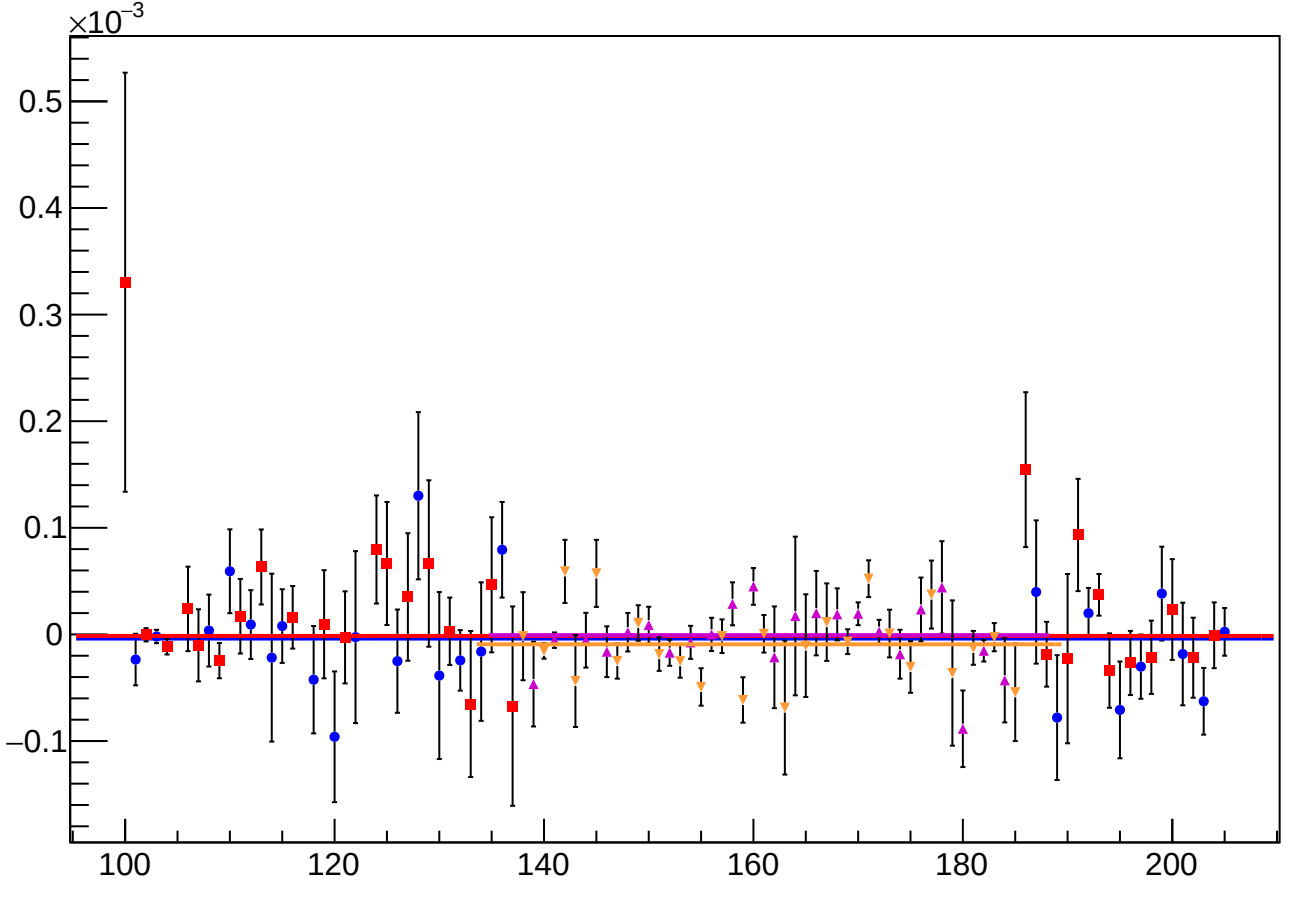
Left: 538.306+/-0.066 χ^2/NDF: 4656104.0/47

Right: 361.486+/-0.053 χ^2/NDF: 8187731.9/54

In: 461.674+/-0.062 χ^2/NDF:5427823.3/47

Out: 405.662+/-0.055 χ^2/NDF:11377812.4/54

All: 430.553+/-0.041 χ^2/NDF: 17265913.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/29

Left In: -0.000+/-0.000 χ^2/NDF:30.0/22

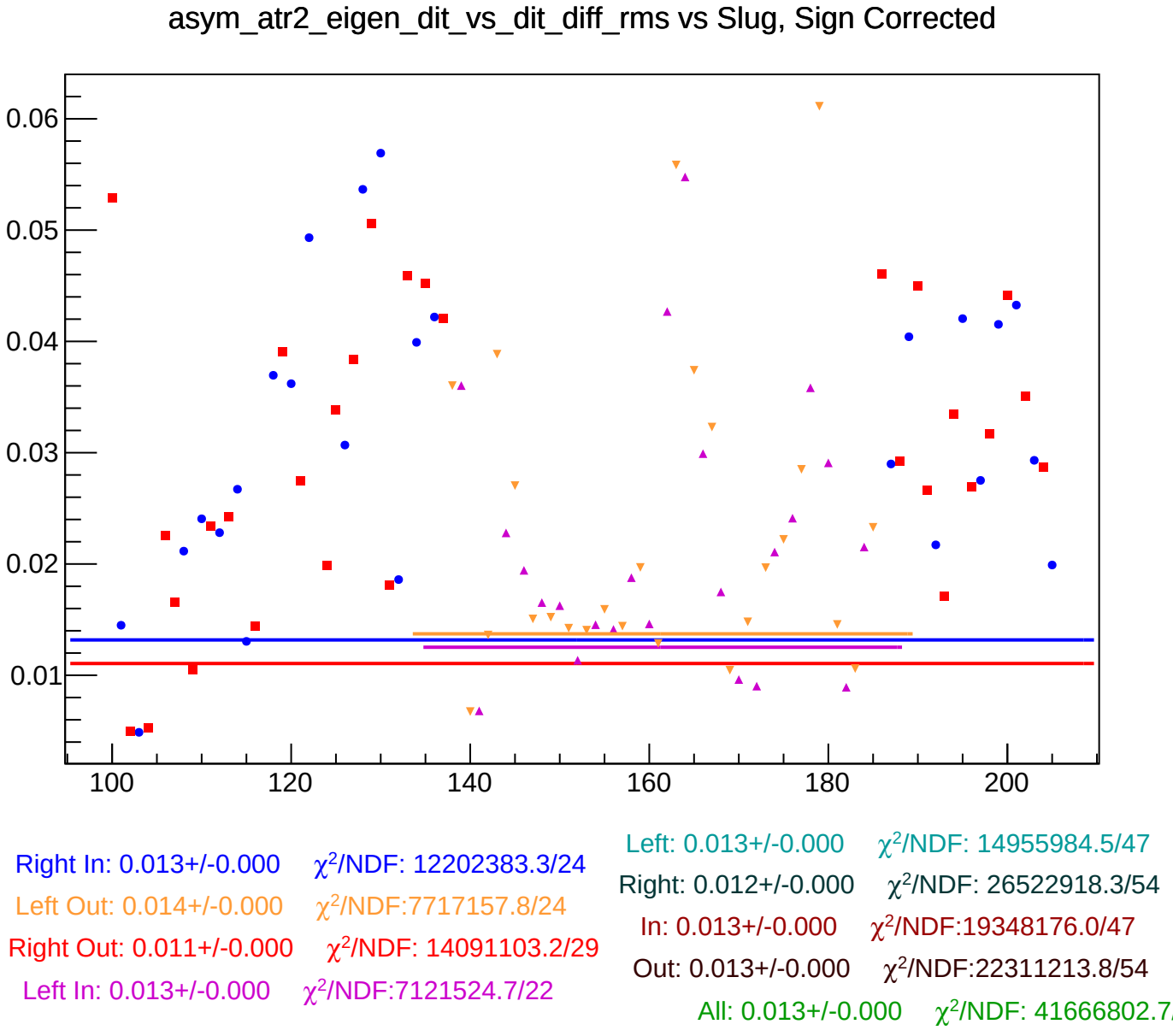
Left: -0.000+/-0.000 χ^2/NDF: 78.1/47

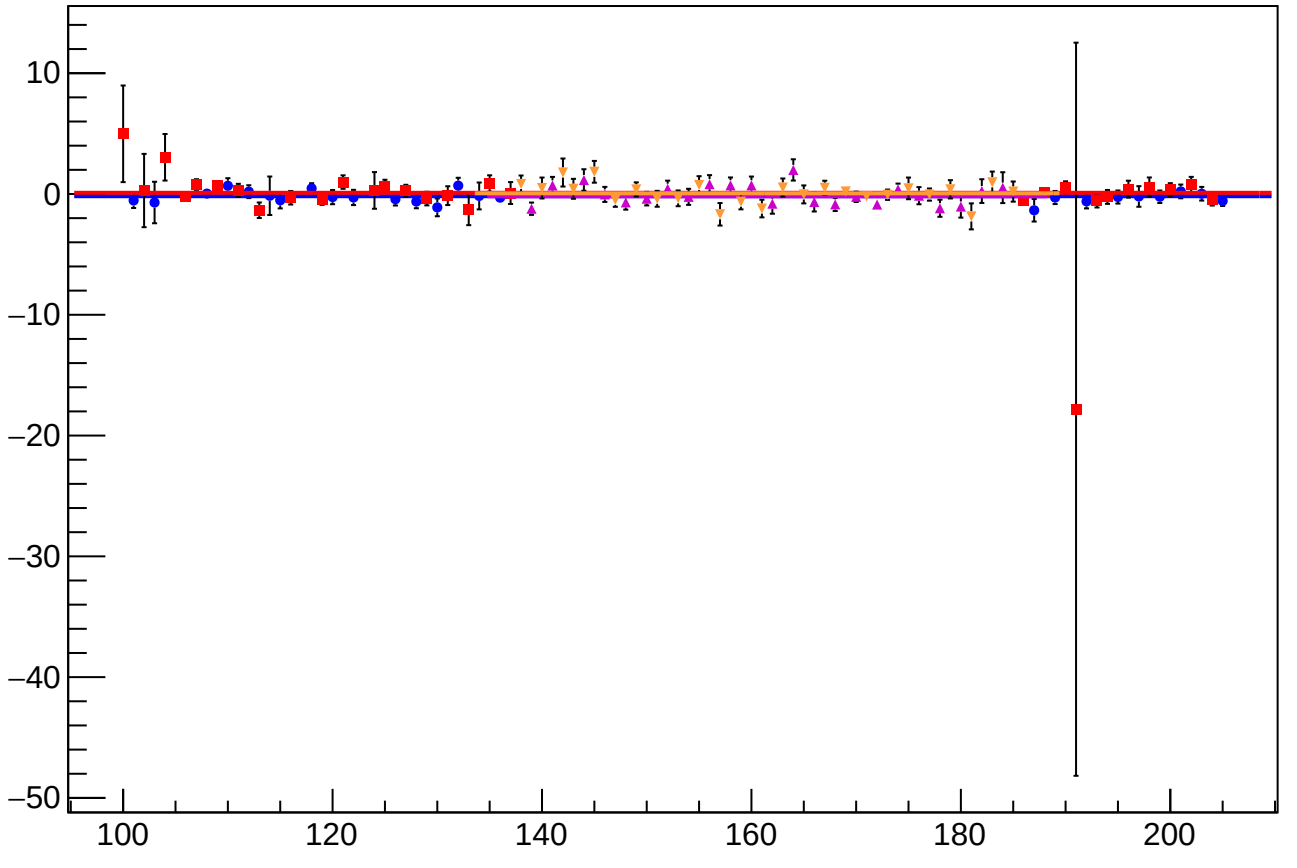
Right: -0.000+/-0.000 χ^2/NDF: 57.5/54

In: -0.000+/-0.000 χ^2/NDF:54.7/47

Out: -0.000+/-0.000 χ^2/NDF:80.3/54

All: -0.000+/-0.000 χ^2/NDF: 136.0/102


asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.06
0.05
0.04
0.03
0.02
0.01
100
120
140
160
180
200
Right In: 0.013+/-0.000 χ²/NDF: 12202383.3/24
Left Out: 0.014+/-0.000 χ²/NDF:7717157.8/24
Right Out: 0.011+/-0.000 χ²/NDF: 14091103.2/29
Left In: 0.013+/-0.000 χ²/NDF:7121524.7/22
Left: 0.013+/-0.000 χ²/NDF: 14955984.5/47
Right: 0.012+/-0.000 χ²/NDF: 26522918.3/54
In: 0.013+/-0.000 χ²/NDF:19348176.0/47
Out: 0.013+/-0.000 χ²/NDF:22311213.8/54
All: 0.013+/-0.000 χ²/NDF: 41666802.7/102



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.100+/-0.097 χ^2/NDF: 33.8/29

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

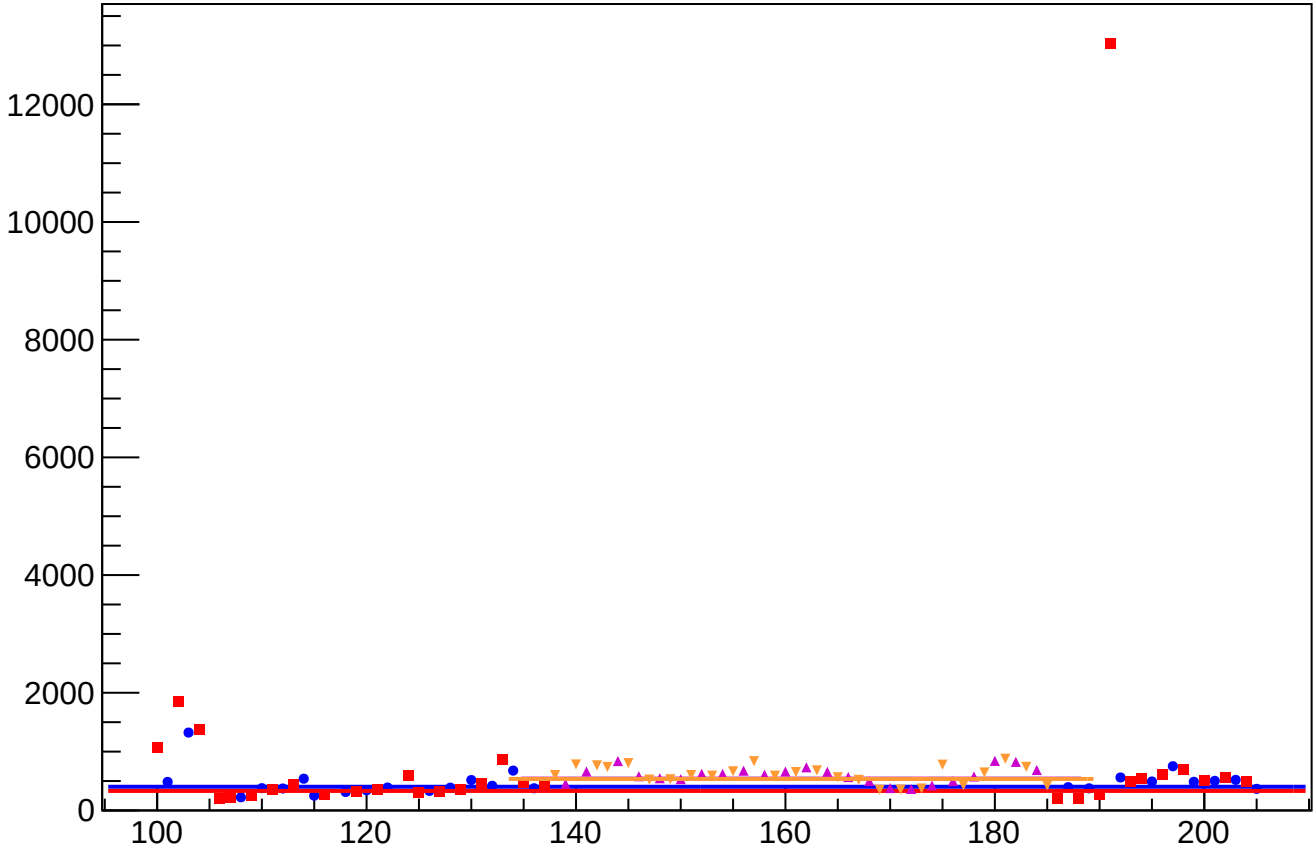
Right: -0.018+/-0.074 χ^2/NDF: 50.9/54

In: -0.187+/-0.087 χ^2/NDF:44.7/47

Out: 0.084+/-0.078 χ^2/NDF:58.6/54

All: -0.037+/-0.058 χ^2/NDF: 108.7/102

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 402.624+/-0.081 χ^2/NDF: 2289128.0/24

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459152.2/29

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

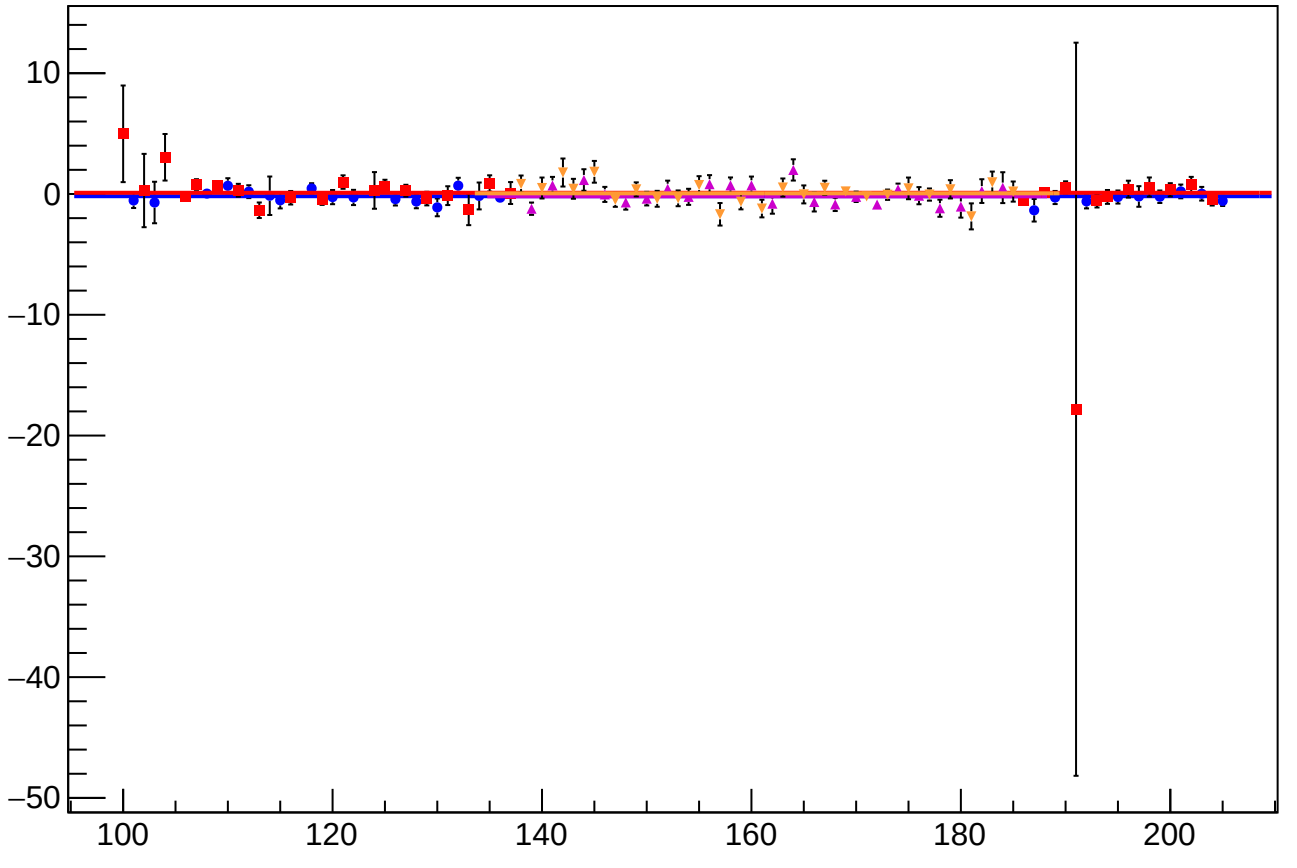
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

Right: 361.485+/-0.053 χ^2/NDF: 8187715.8/54

In: 461.674+/-0.062 χ^2/NDF:5428043.2/47

Out: 405.663+/-0.055 χ^2/NDF:11377972.5/54

All: 430.554+/-0.041 χ^2/NDF: 17266264.4/10



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: 0.100+/-0.097 χ^2/NDF: 33.8/29

Left In: -0.191+/-0.133 χ^2/NDF:31.1/22

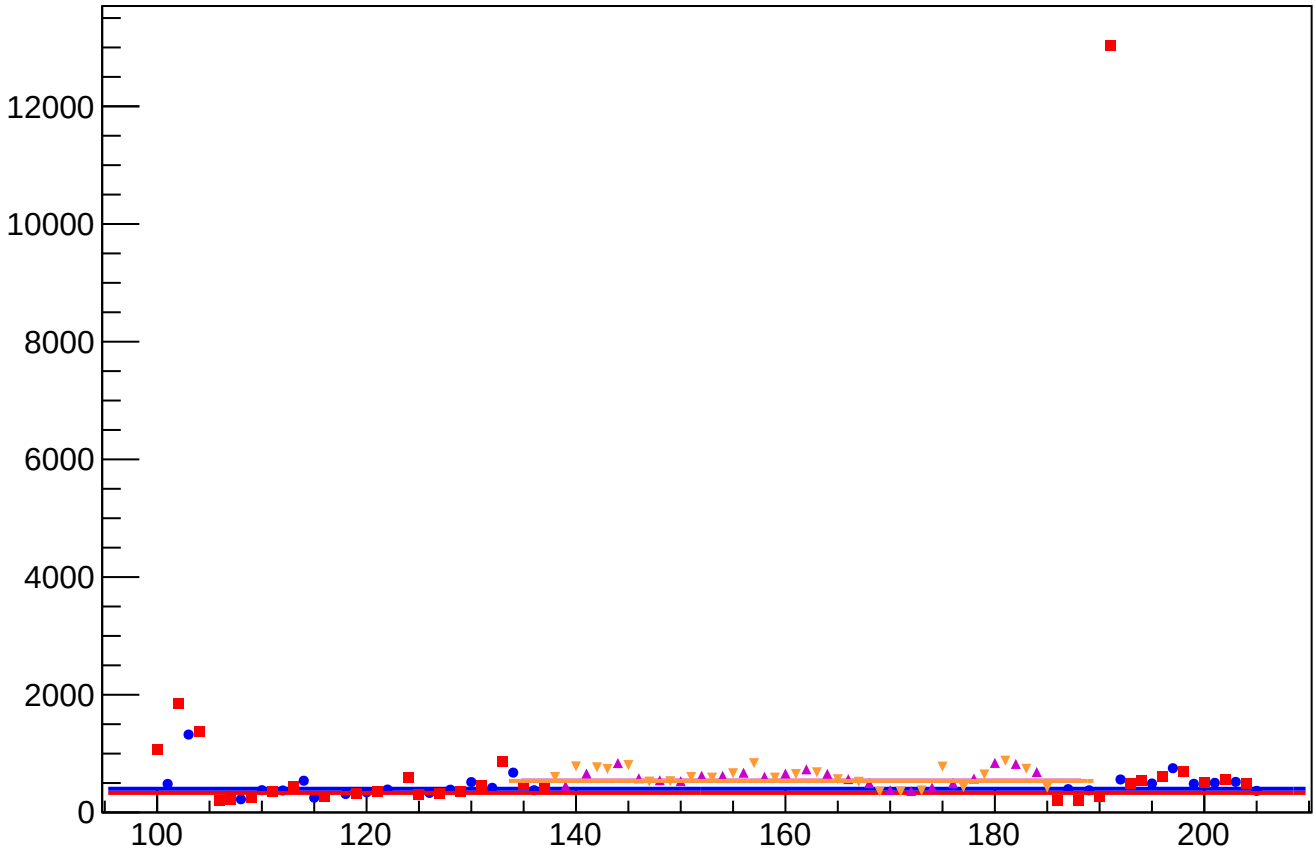
Left: -0.065+/-0.093 χ^2/NDF: 57.6/47

Right: -0.018+/-0.074 χ^2/NDF: 50.9/54

In: -0.187+/-0.087 χ^2/NDF:44.7/47

Out: 0.084+/-0.078 χ^2/NDF:58.6/54

All: -0.037+/-0.058 χ^2/NDF: 108.7/102



Right In: 402.624+/-0.081 χ^2/NDF: 2289128.0/24

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 331.985+/-0.069 χ^2/NDF: 5459152.2/29

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

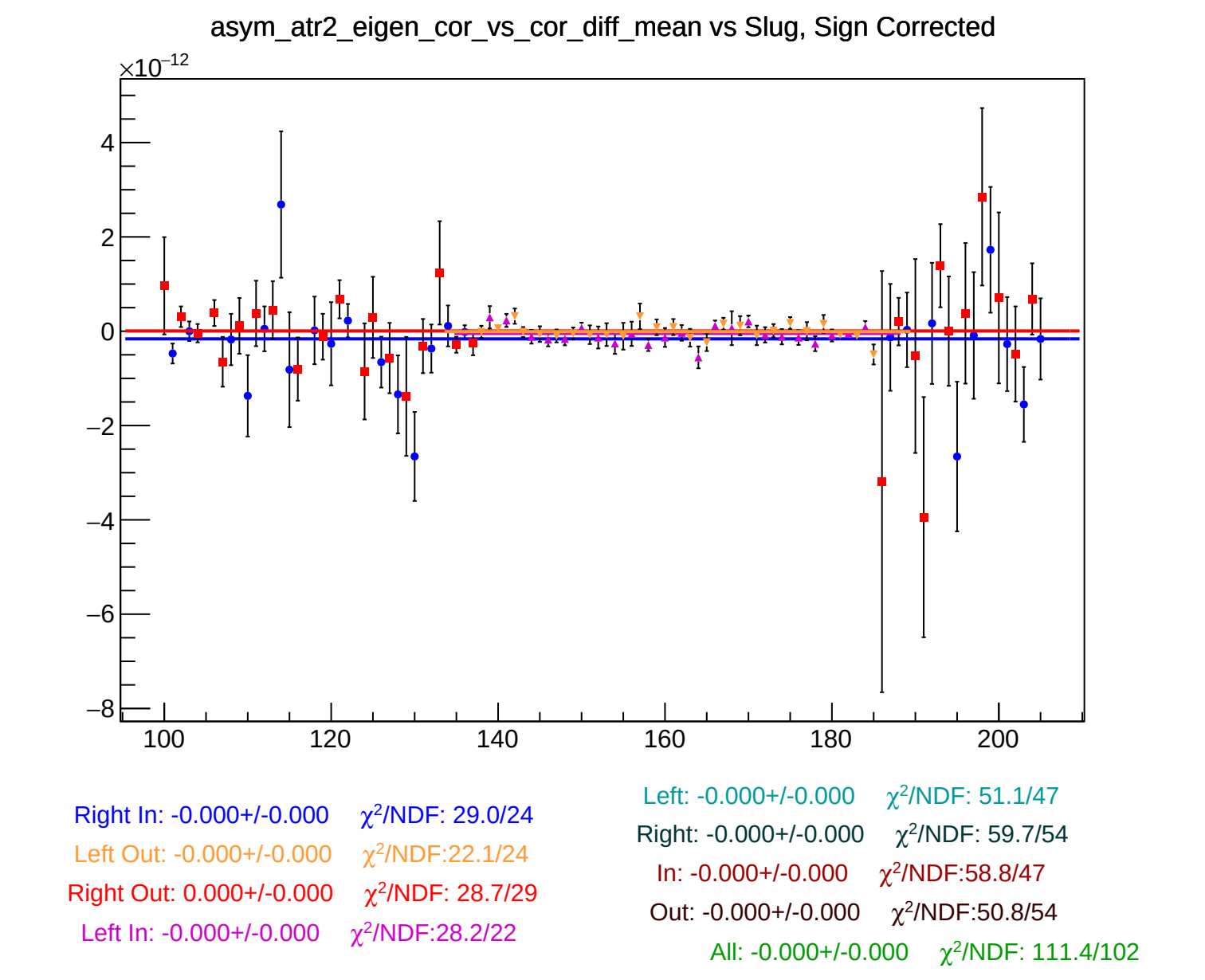
Left: 538.311+/-0.066 χ^2/NDF: 4656222.0/47

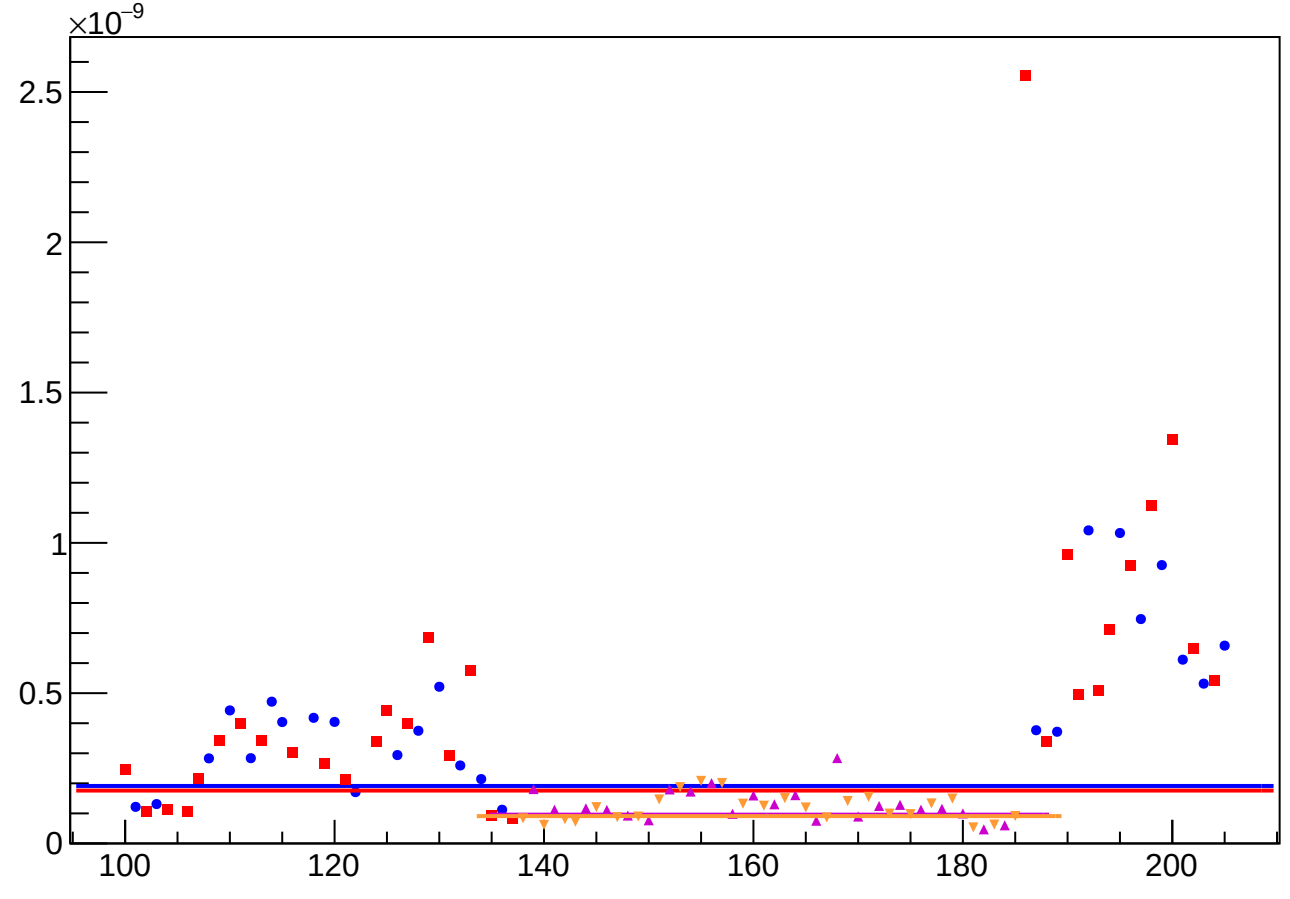
Right: 361.485+/-0.053 χ^2/NDF: 8187715.8/54

In: 461.674+/-0.062 χ^2/NDF:5428043.2/47

Out: 405.663+/-0.055 χ^2/NDF:11377972.5/54

All: 430.554+/-0.041 χ^2/NDF: 17266264.4/10


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.0/24
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 28.7/29
Left In: -0.000+/-0.000 χ²/NDF:28.2/22
Left: -0.000+/-0.000 χ²/NDF: 51.1/47
Right: -0.000+/-0.000 χ²/NDF: 59.7/54
In: -0.000+/-0.000 χ²/NDF:58.8/47
Out: -0.000+/-0.000 χ²/NDF:50.8/54
All: -0.000+/-0.000 χ²/NDF: 111.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 6065413.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7615731.6/29

Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

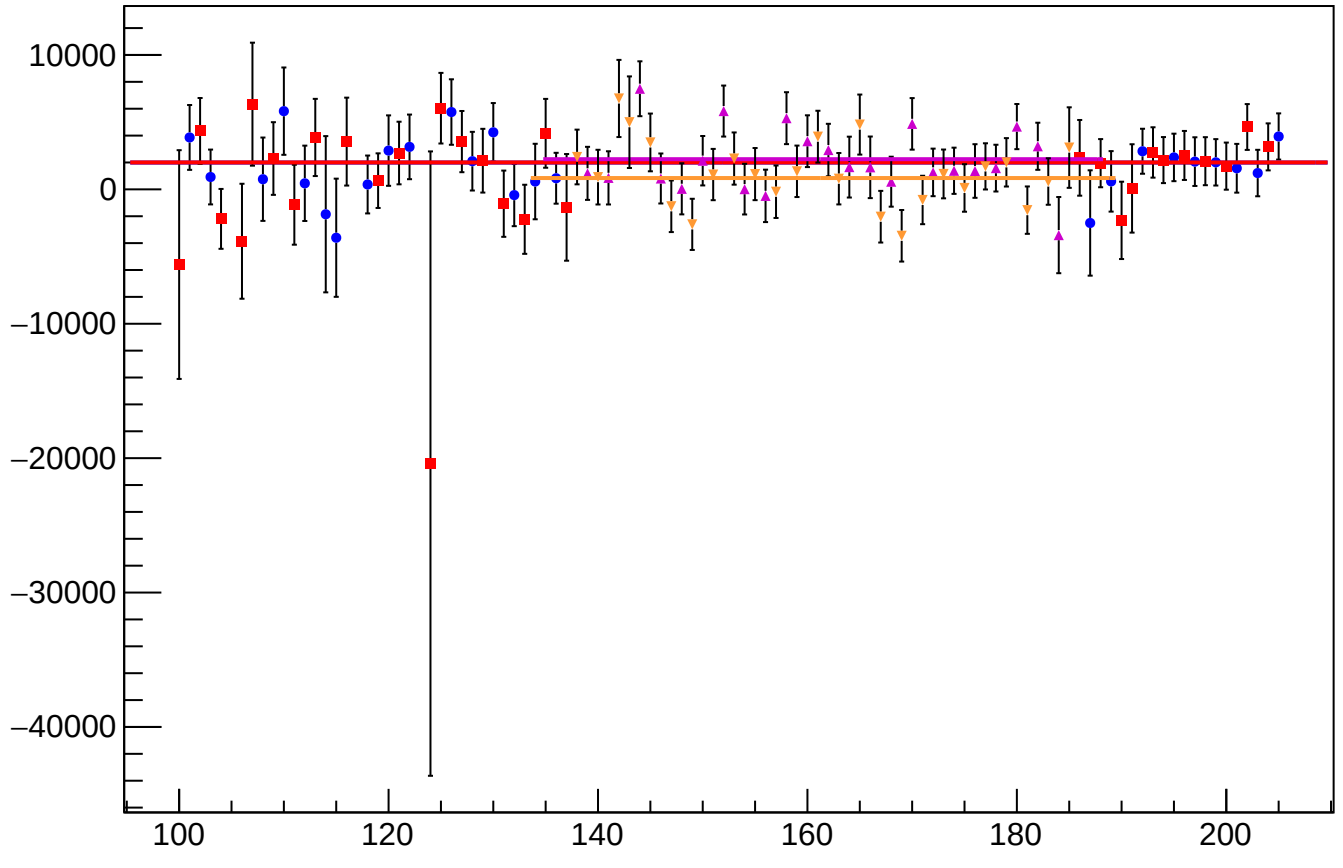
Left: 0.000+/-0.000 χ^2/NDF: 7302418.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13715413.1/54

In: 0.000+/-0.000 χ^2/NDF:12249010.2/47

Out: 0.000+/-0.000 χ^2/NDF:12969735.0/54

All: 0.000+/-0.000 χ^2/NDF: 25269412.5/102



Right In: 1993.451+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: 2002.547+/-433.882 χ^2/NDF: 25.5/29

Left In: 2245.041+/-400.753 χ^2/NDF:29.4/22

Left: 1532.172+/-281.118 χ^2/NDF: 66.0/47

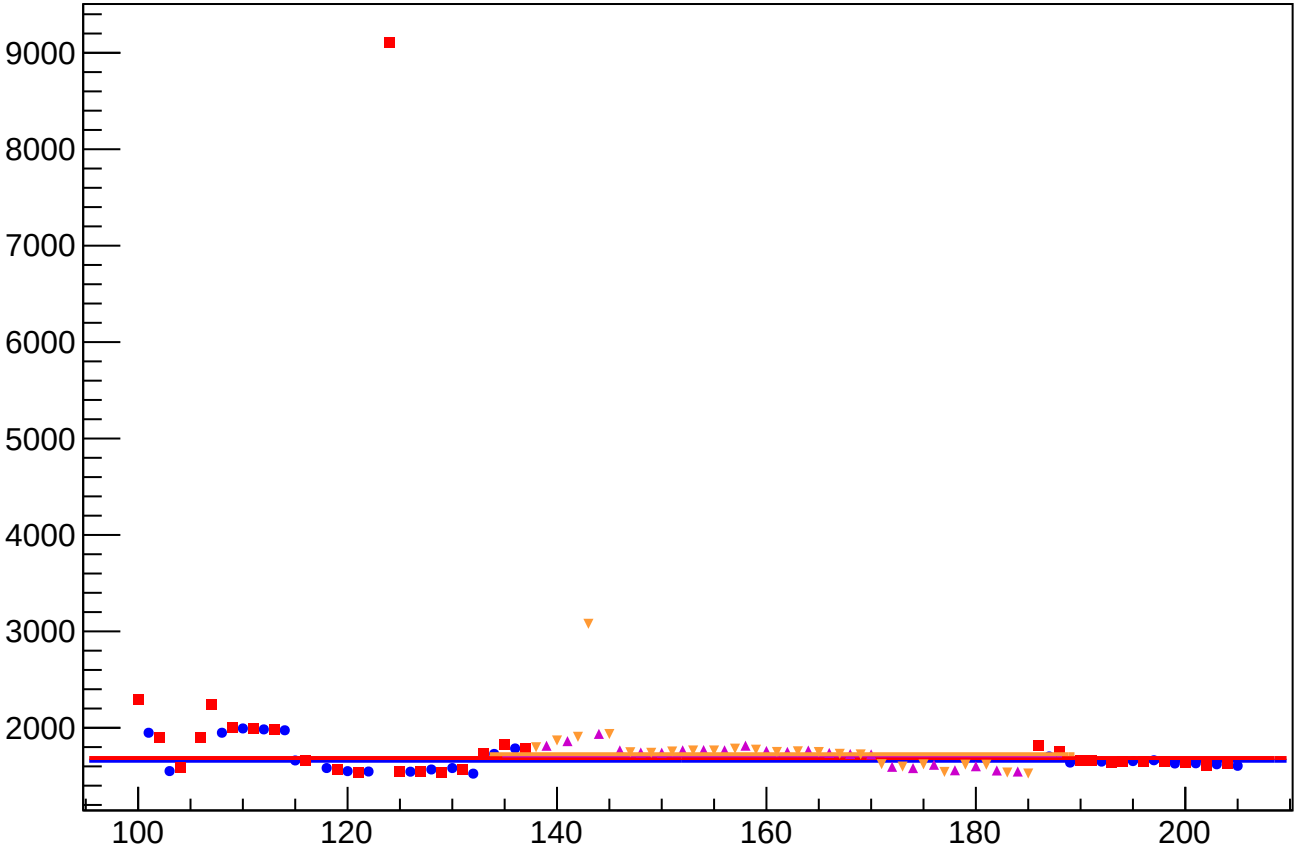
Right: 1998.094+/-309.999 χ^2/NDF: 39.9/54

In: 2131.832+/-297.214 χ^2/NDF:44.0/47

Out: 1366.909+/-291.863 χ^2/NDF:59.8/54

All: 1742.423+/-208.244 χ^2/NDF: 107.2/102

reg_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.4/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1686.669+/-0.306 χ^2/NDF: 406425.0/29

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

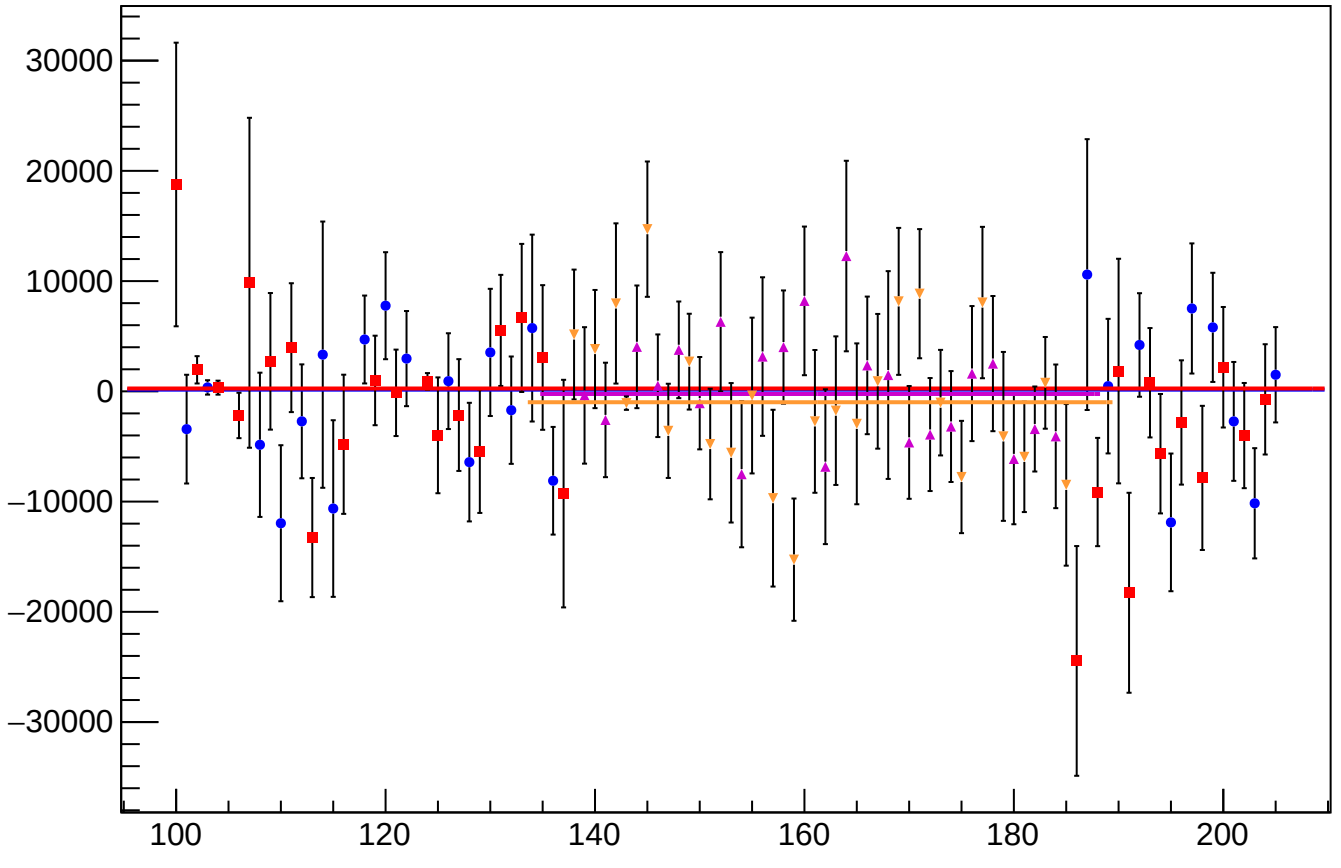
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1672.854+/-0.219 χ^2/NDF: 558352.1/54

In: 1688.510+/-0.210 χ^2/NDF:293858.2/47

Out: 1708.193+/-0.206 χ^2/NDF:870401.6/54

All: 1698.540+/-0.147 χ^2/NDF: 1168729.5/10



Right In: 152.836+/-562.631 χ^2/NDF: 28.5/24

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: 258.261+/-413.046 χ^2/NDF: 36.4/29

Left In: -239.582+/-1165.046 χ^2/NDF:13.5/22

Left: -854.832+/-490.864 χ^2/NDF: 44.7/47

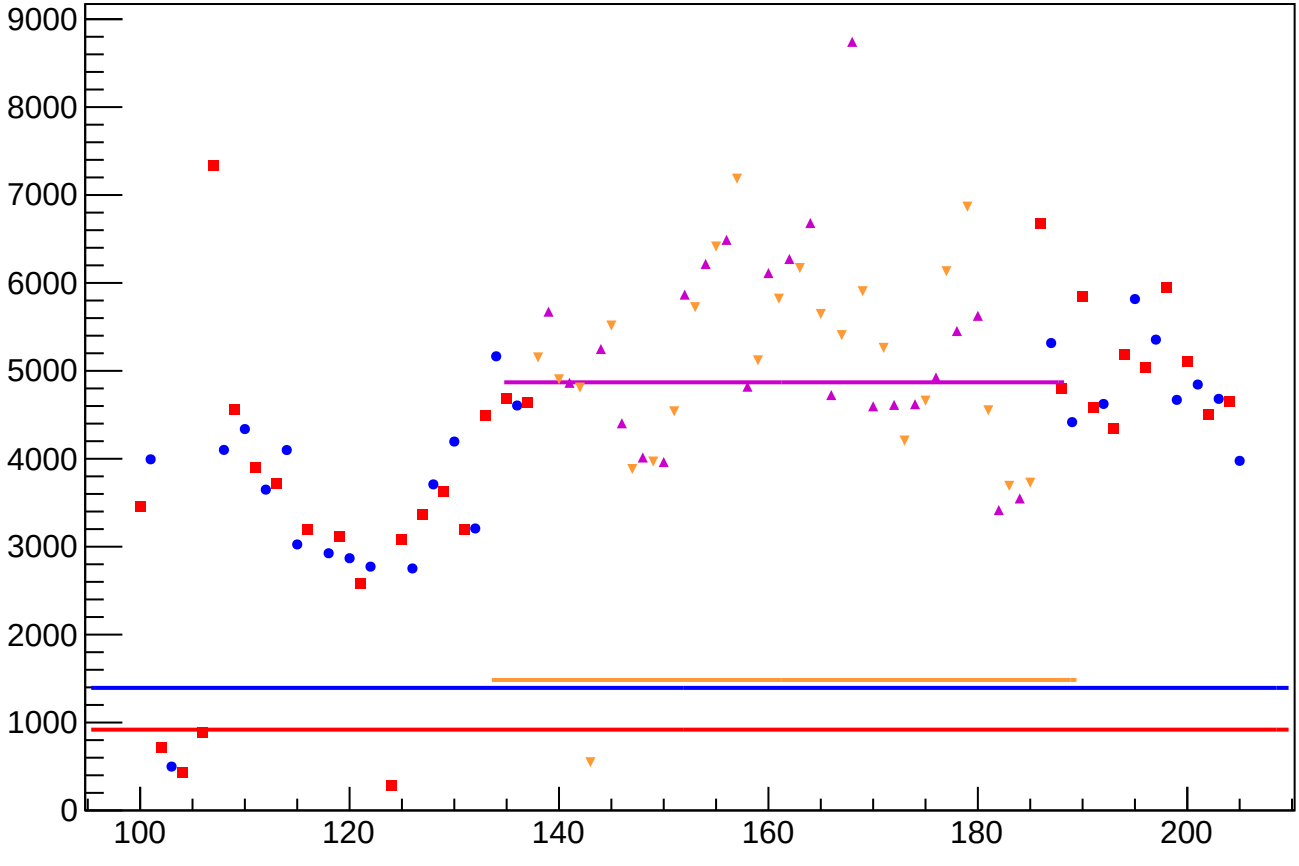
Right: 221.341+/-332.955 χ^2/NDF: 64.9/54

In: 78.625+/-506.645 χ^2/NDF:42.1/47

Out: -200.271+/-328.355 χ^2/NDF:70.6/54

All: -117.776+/-275.547 χ^2/NDF: 112.9/102

asym_atl_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1394.071+/-0.398 χ^2/NDF: 15633109.0/24

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 919.106+/-0.292 χ^2/NDF: 19740678.2/29

Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

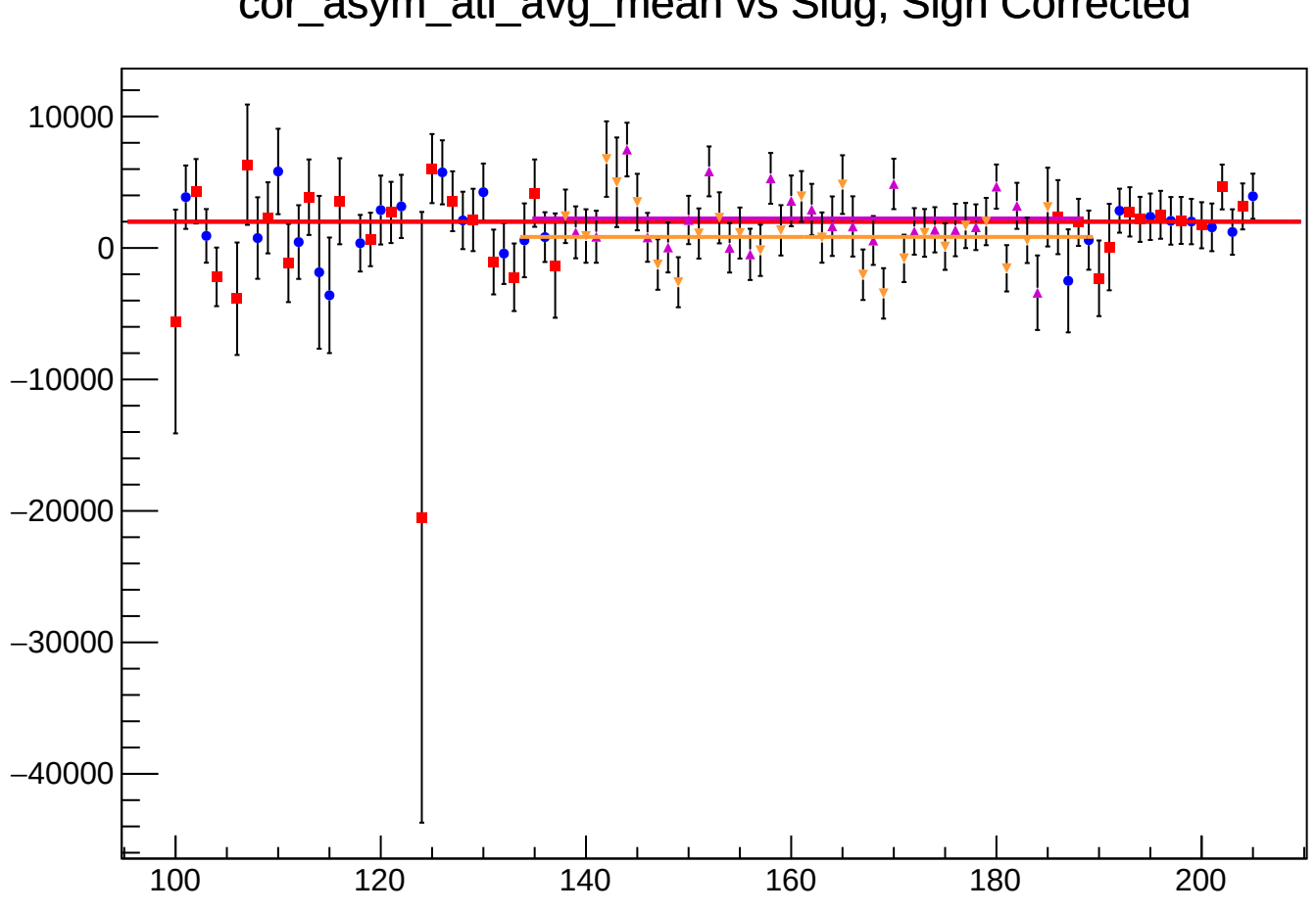
Left: 2085.479+/-0.347 χ^2/NDF: 38586716.8/47

Right: 1085.442+/-0.235 χ^2/NDF: 36299935.8/54

In: 2051.358+/-0.358 χ^2/NDF:31540868.1/47

Out: 1127.216+/-0.232 χ^2/NDF:44345133.0/54

All: 1400.567+/-0.195 χ^2/NDF: 80572004.6/1



Right In: 1993.519+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 2001.429+/-433.884 χ^2/NDF: 25.5/29

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

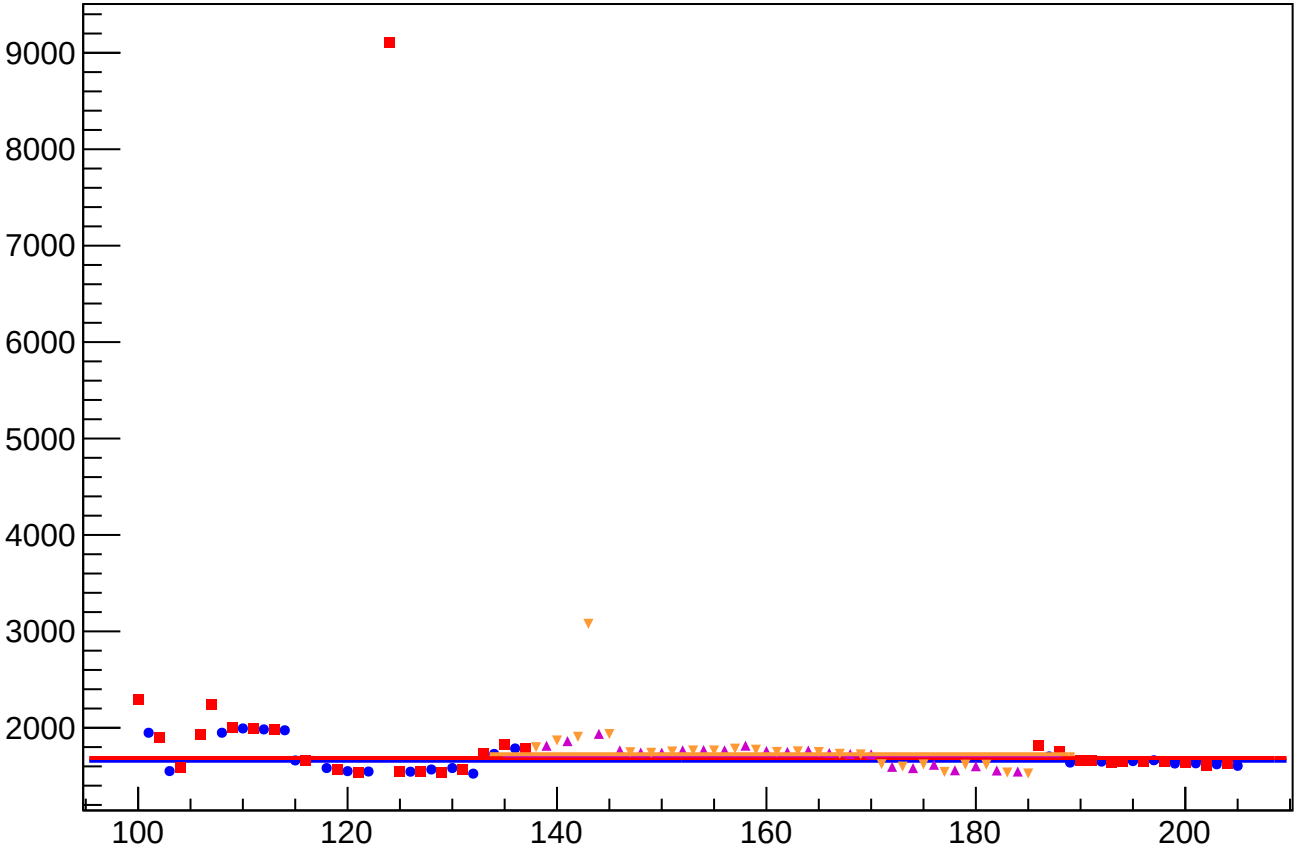
Right: 1997.557+/-310.000 χ^2/NDF: 39.9/54

In: 2131.874+/-297.214 χ^2/NDF:44.0/47

Out: 1366.397+/-291.864 χ^2/NDF:59.8/54

All: 1742.184+/-208.245 χ^2/NDF: 107.2/102

cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.5/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1687.038+/-0.306 χ^2/NDF: 408423.3/29

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

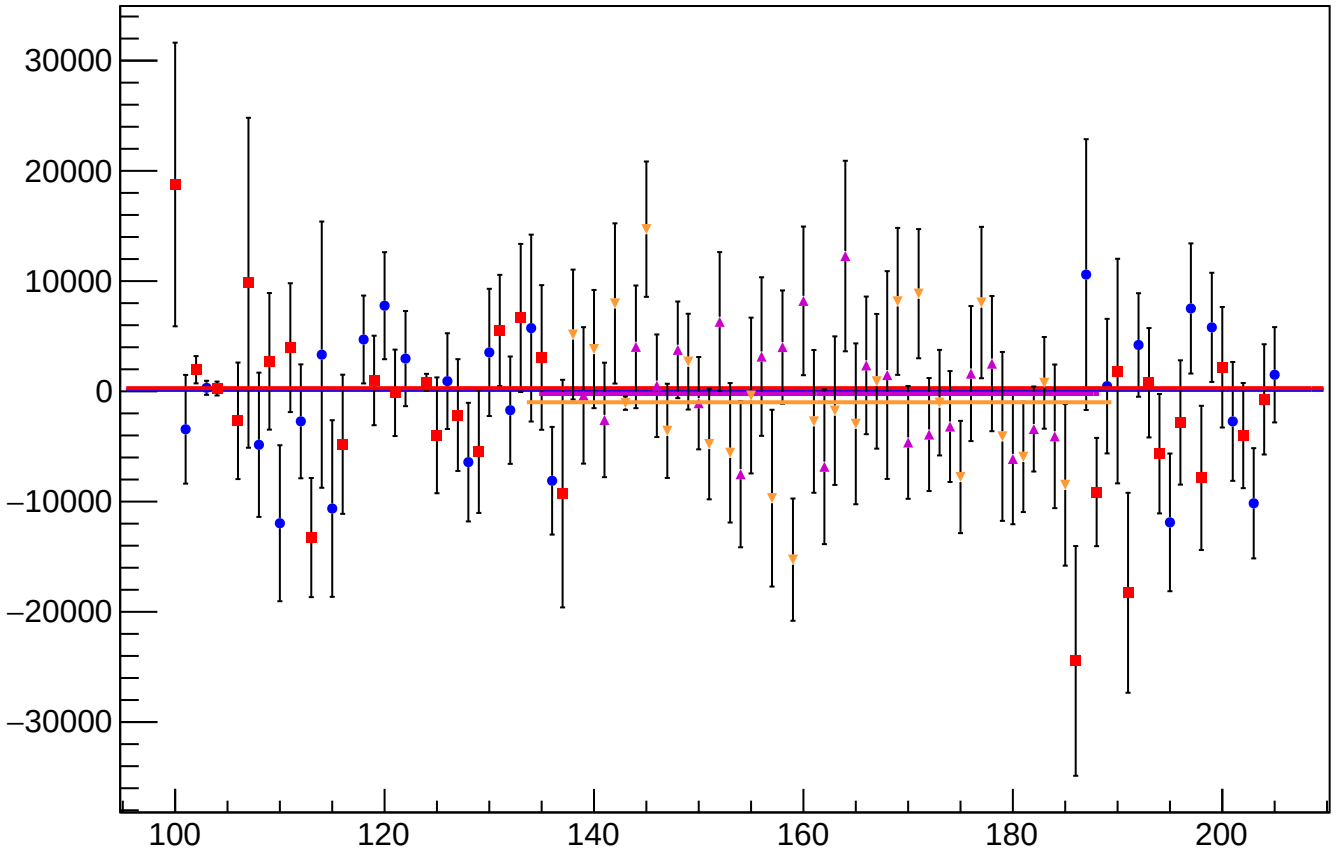
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1673.039+/-0.219 χ^2/NDF: 560458.8/54

In: 1688.510+/-0.210 χ^2/NDF:293858.3/47

Out: 1708.364+/-0.206 χ^2/NDF:872229.4/54

All: 1698.626+/-0.147 χ^2/NDF: 1170635.0/10



Right In: 133.682+/-552.062 χ^2/NDF: 28.5/24

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 289.506+/-418.408 χ^2/NDF: 35.2/29

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

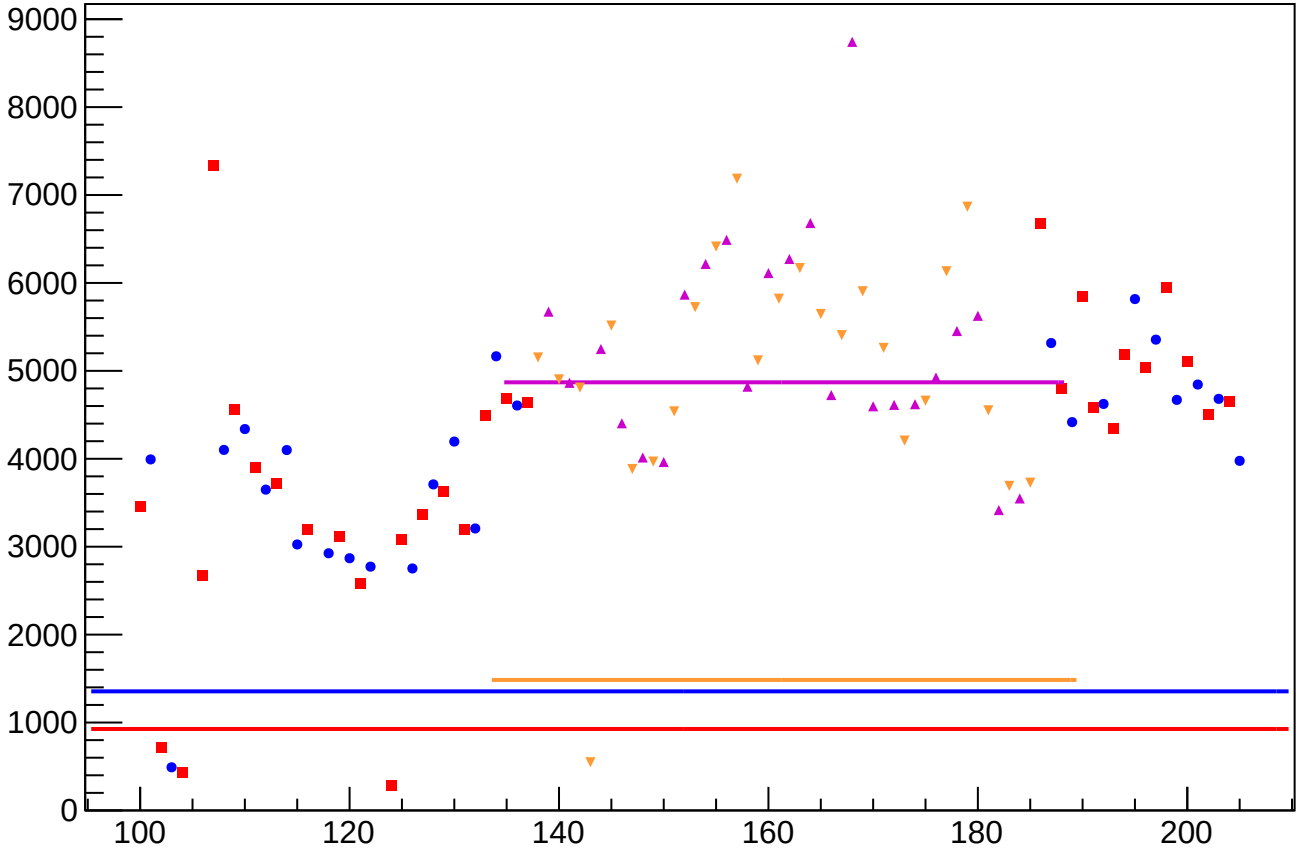
Right: 232.655+/-333.458 χ^2/NDF: 63.7/54

In: 65.257+/-498.887 χ^2/NDF:42.1/47

Out: -188.109+/-331.026 χ^2/NDF:69.5/54

All: -110.659+/-275.829 χ^2/NDF: 111.8/102

asym_atl_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1354.658+/-0.390 χ^2/NDF: 15890516.3/24

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 926.791+/-0.296 χ^2/NDF: 19994218.9/29

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

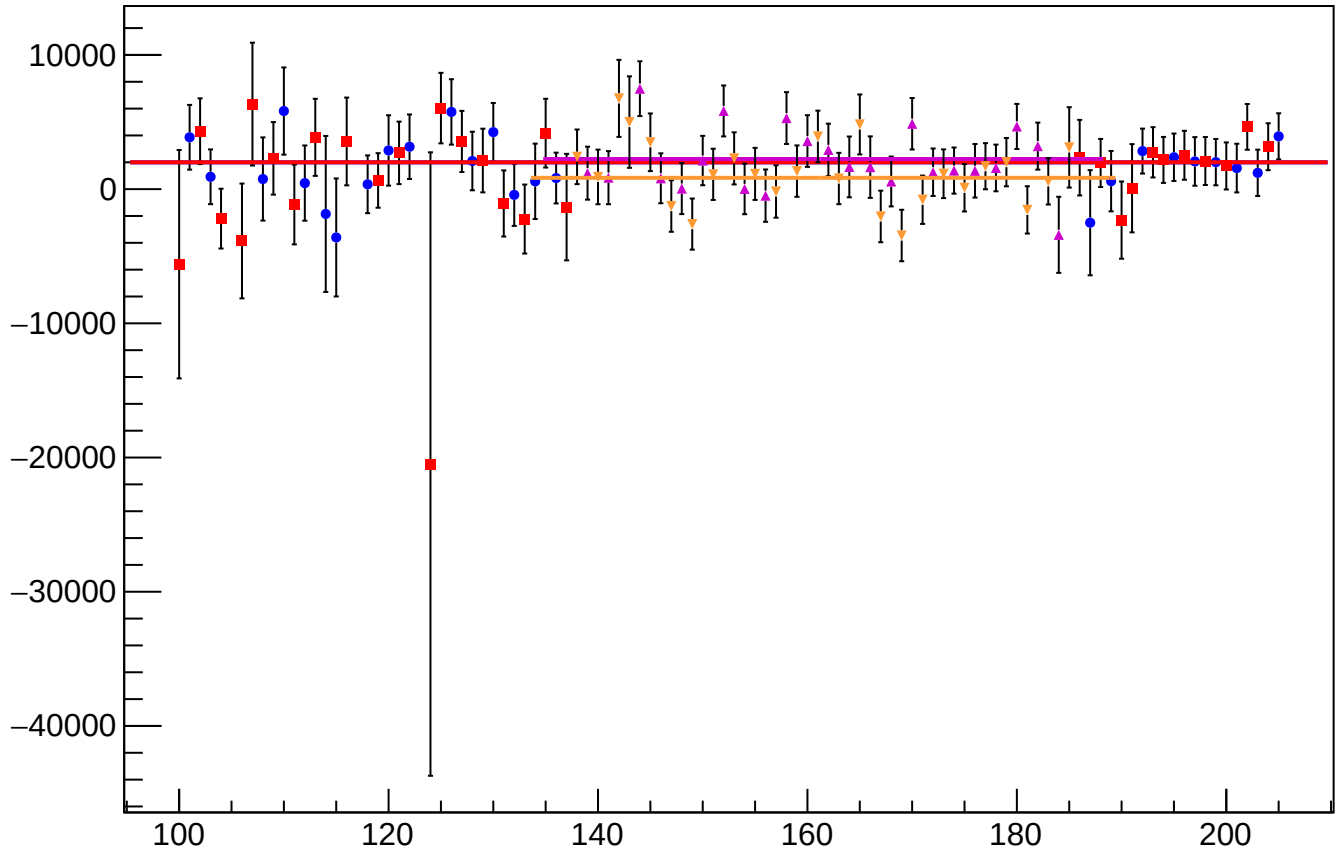
Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

Right: 1082.895+/-0.236 χ^2/NDF: 36647783.2/54

In: 1999.196+/-0.353 χ^2/NDF:32232104.1/47

Out: 1135.409+/-0.234 χ^2/NDF:44548949.4/54

All: 1399.457+/-0.195 χ^2/NDF: 80943945.3/1



Right In: 1993.519+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: 2001.429+/-433.884 χ^2/NDF: 25.5/29

Left In: 2245.061+/-400.753 χ^2/NDF:29.4/22

Left: 1532.178+/-281.118 χ^2/NDF: 66.0/47

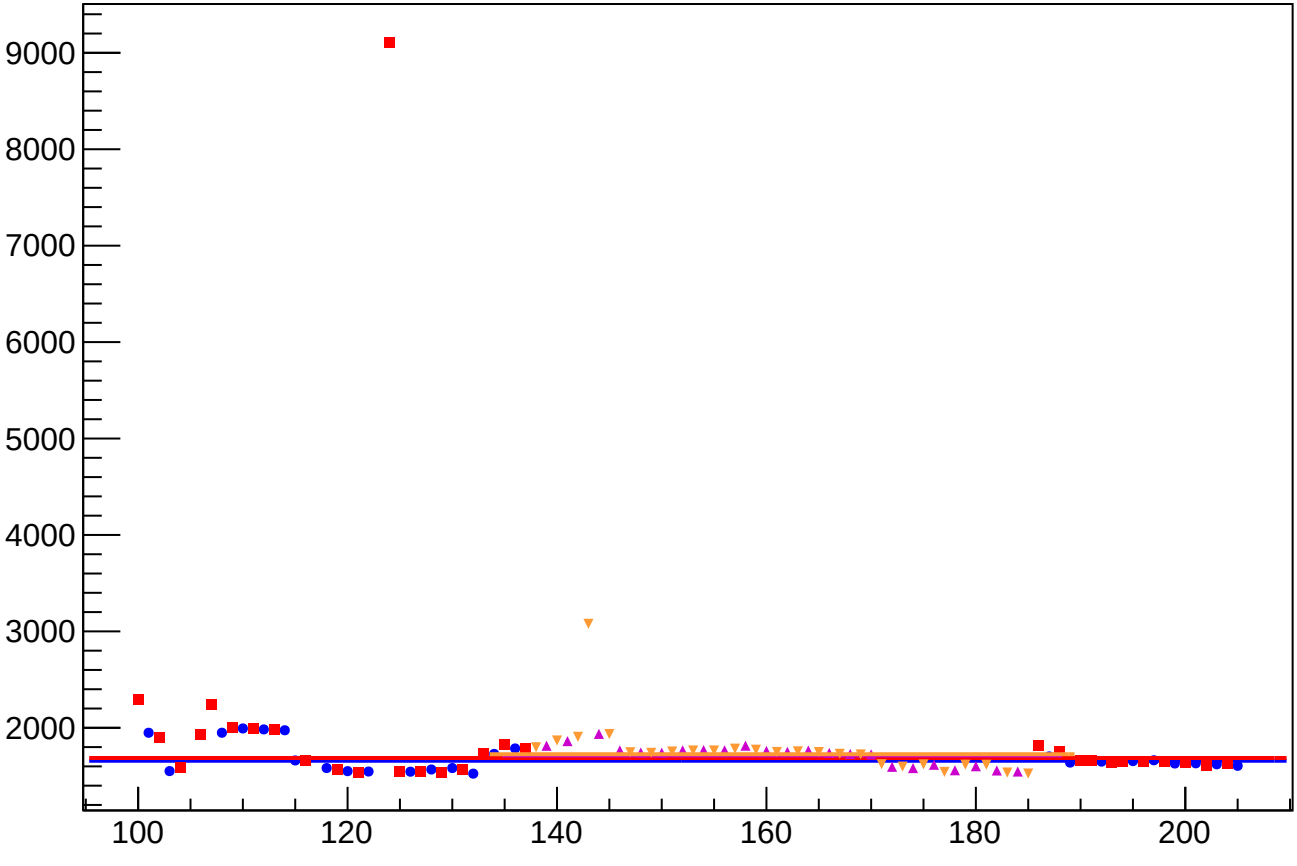
Right: 1997.557+/-310.000 χ^2/NDF: 39.9/54

In: 2131.874+/-297.214 χ^2/NDF:44.0/47

Out: 1366.397+/-291.864 χ^2/NDF:59.8/54

All: 1742.184+/-208.245 χ^2/NDF: 107.2/102

eigen_cor_asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.5/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1687.038+/-0.306 χ^2/NDF: 408423.3/29

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

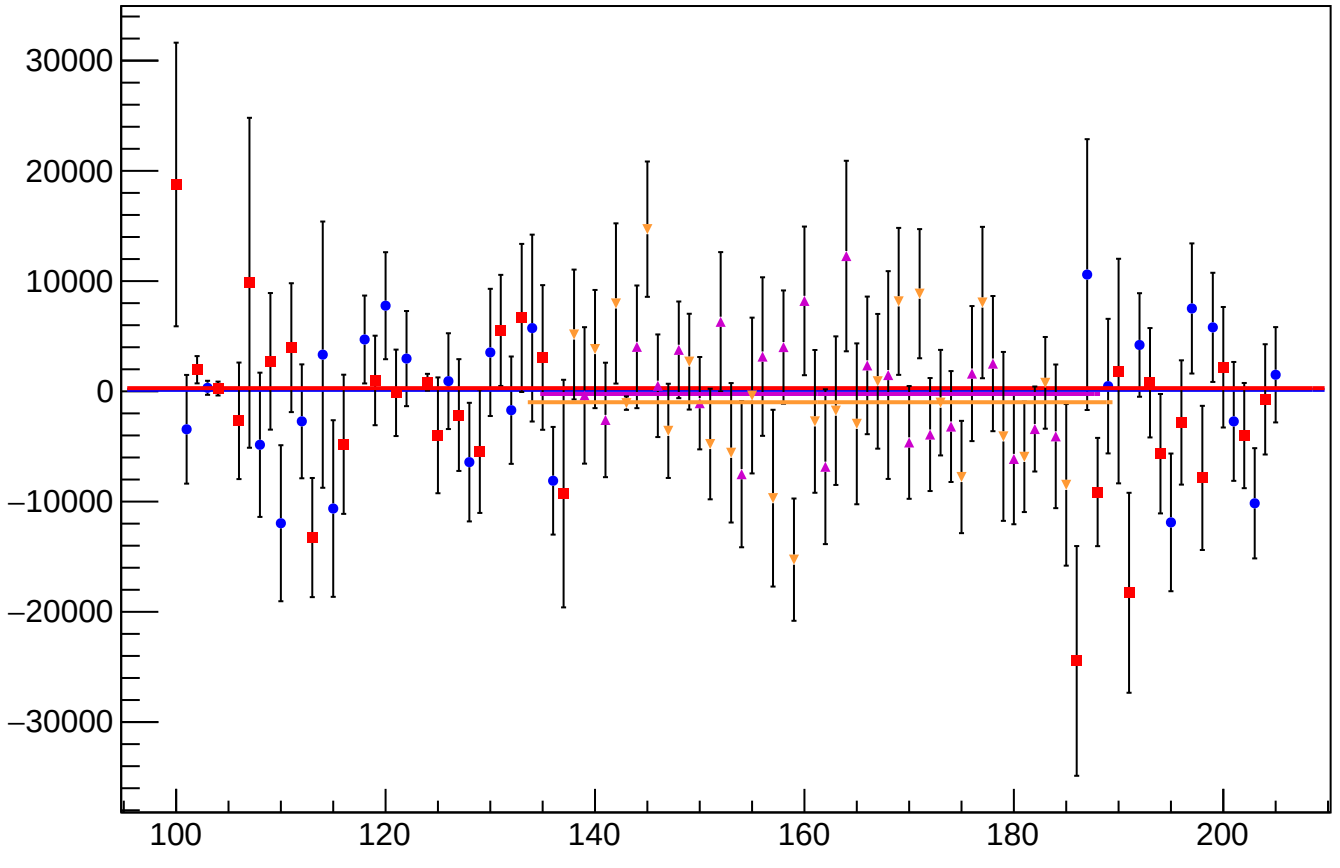
Left: 1719.709+/-0.199 χ^2/NDF: 585274.4/47

Right: 1673.039+/-0.219 χ^2/NDF: 560458.8/54

In: 1688.510+/-0.210 χ^2/NDF:293858.3/47

Out: 1708.364+/-0.206 χ^2/NDF:872229.4/54

All: 1698.626+/-0.147 χ^2/NDF: 1170635.0/10



Right In: 133.682+/-552.062 χ^2/NDF: 28.5/24

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: 289.506+/-418.408 χ^2/NDF: 35.2/29

Left In: -239.478+/-1165.045 χ^2/NDF:13.5/22

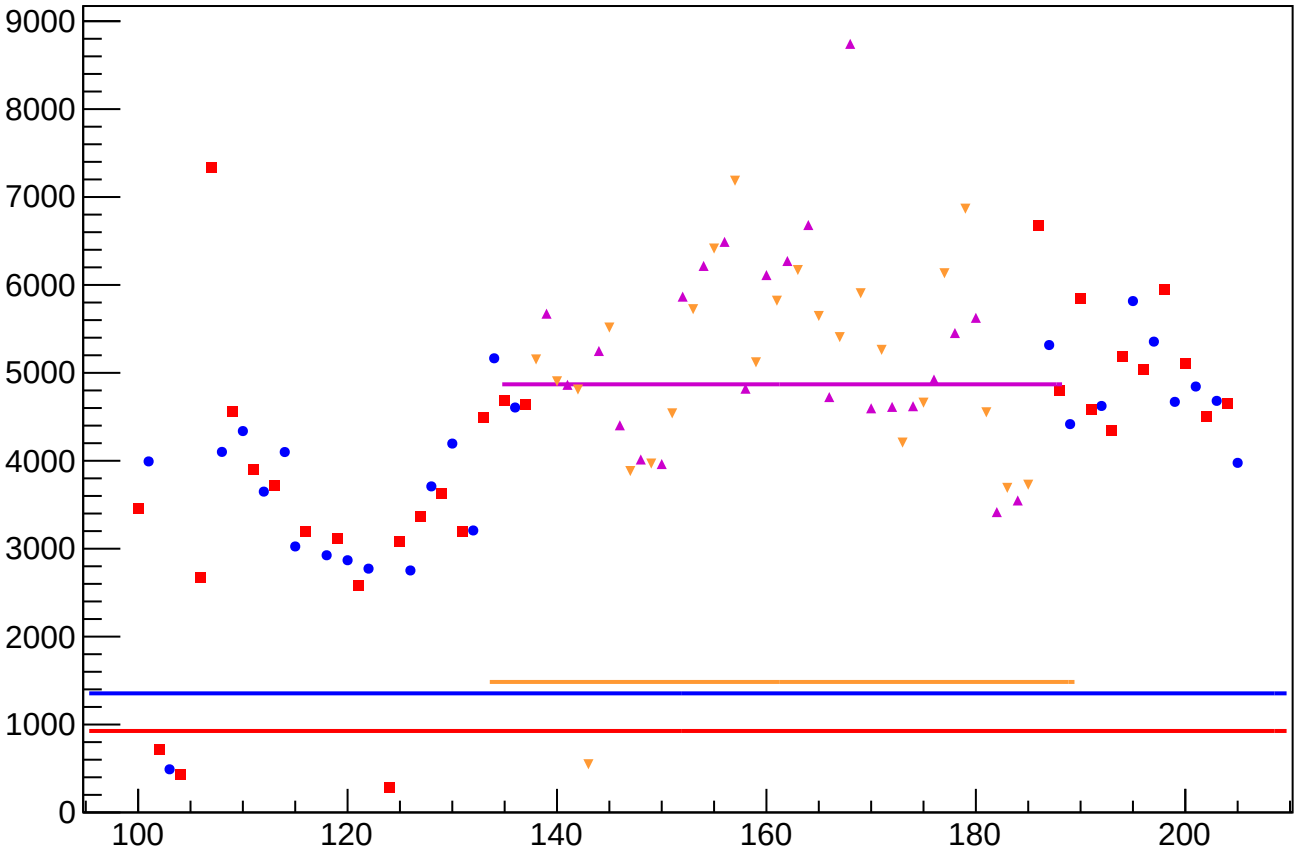
Left: -854.550+/-490.851 χ^2/NDF: 44.7/47

Right: 232.655+/-333.458 χ^2/NDF: 63.7/54

In: 65.257+/-498.887 χ^2/NDF:42.1/47

Out: -188.109+/-331.026 χ^2/NDF:69.5/54

All: -110.659+/-275.829 χ^2/NDF: 111.8/102



Right In: 1354.658+/-0.390 χ^2/NDF: 15890516.3/24

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 926.791+/-0.296 χ^2/NDF: 19994218.9/29

Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

Left: 2085.382+/-0.347 χ^2/NDF: 38588136.1/47

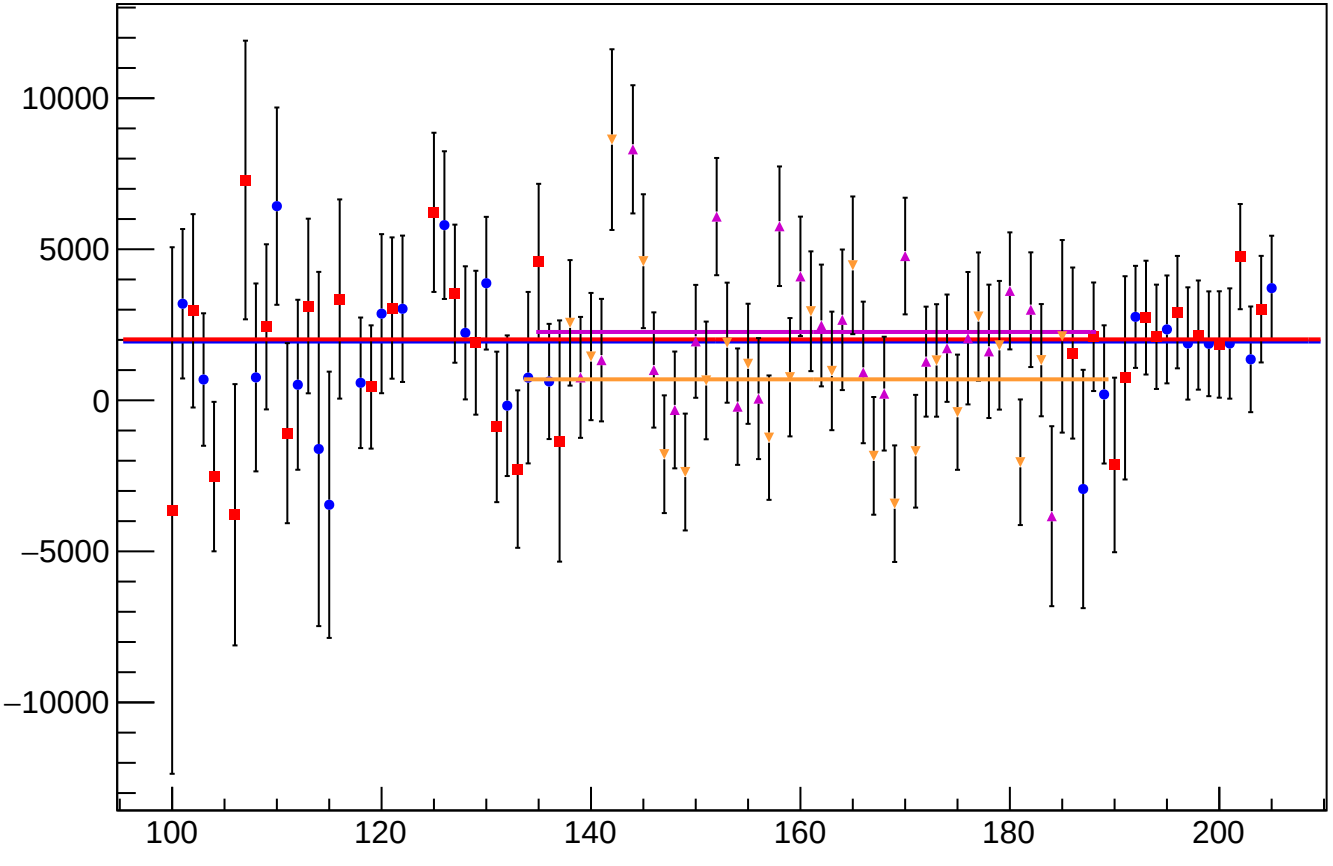
Right: 1082.895+/-0.236 χ^2/NDF: 36647783.2/54

In: 1999.196+/-0.353 χ^2/NDF:32232104.1/47

Out: 1135.409+/-0.234 χ^2/NDF:44548949.4/54

All: 1399.457+/-0.195 χ^2/NDF: 80943945.3/1

dit_asym_atl_avg_mean vs Slug, Sign Corrected



Right In: 1945.416+/-448.561 χ^2/NDF: 13.8/24

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: 2016.914+/-442.067 χ^2/NDF: 23.4/28

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

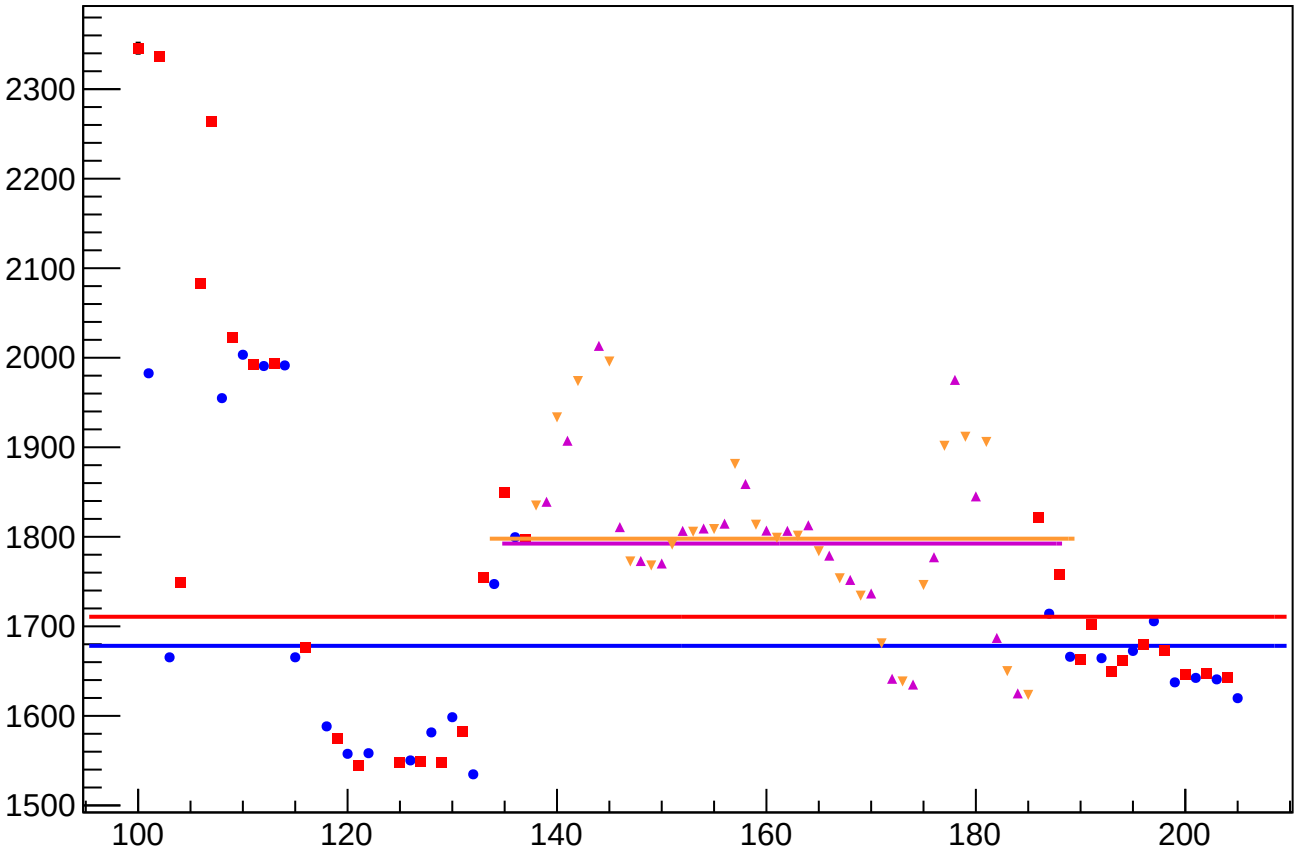
Left: 1475.934+/-296.004 χ^2/NDF: 69.6/46

Right: 1981.686+/-314.860 χ^2/NDF: 37.2/53

In: 2114.292+/-306.264 χ^2/NDF:44.5/47

Out: 1318.714+/-303.742 χ^2/NDF:60.3/52

All: 1713.214+/-215.664 χ^2/NDF: 108.2/100



Right In: 1678.221+/-0.317 χ^2/NDF: 143715.3/24

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1710.702+/-0.312 χ^2/NDF: 274361.0/28

Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

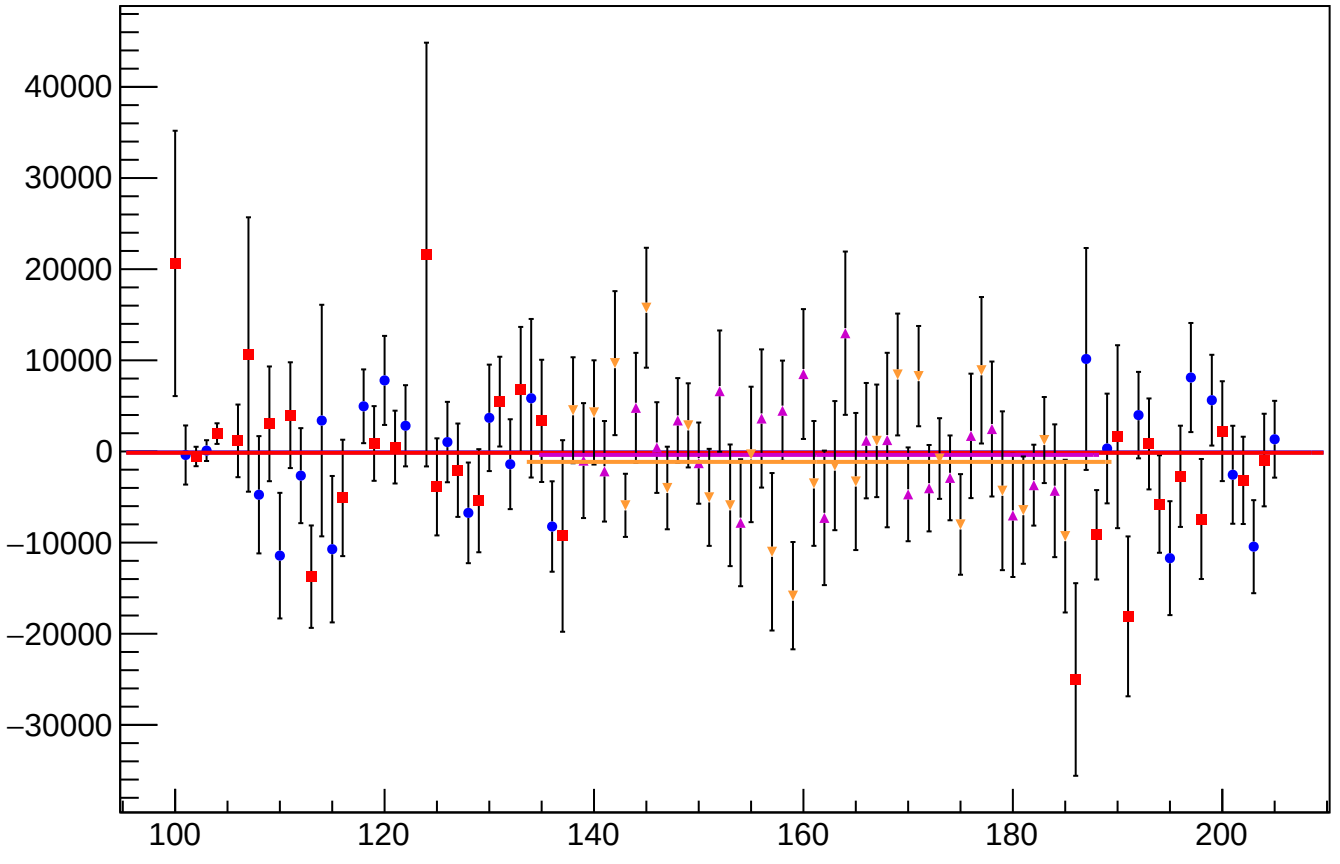
Left: 1795.187+/-0.209 χ^2/NDF: 191047.3/46

Right: 1694.715+/-0.223 χ^2/NDF: 423401.7/53

In: 1739.199+/-0.217 χ^2/NDF:305828.3/47

Out: 1756.695+/-0.215 χ^2/NDF:413495.0/52

All: 1748.023+/-0.152 χ^2/NDF: 722615.2/100



Right In: -105.806+/-783.194 χ^2/NDF: 27.6/24

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -142.875+/-634.012 χ^2/NDF: 35.6/29

Left In: -374.927+/-1228.699 χ^2/NDF:13.3/22

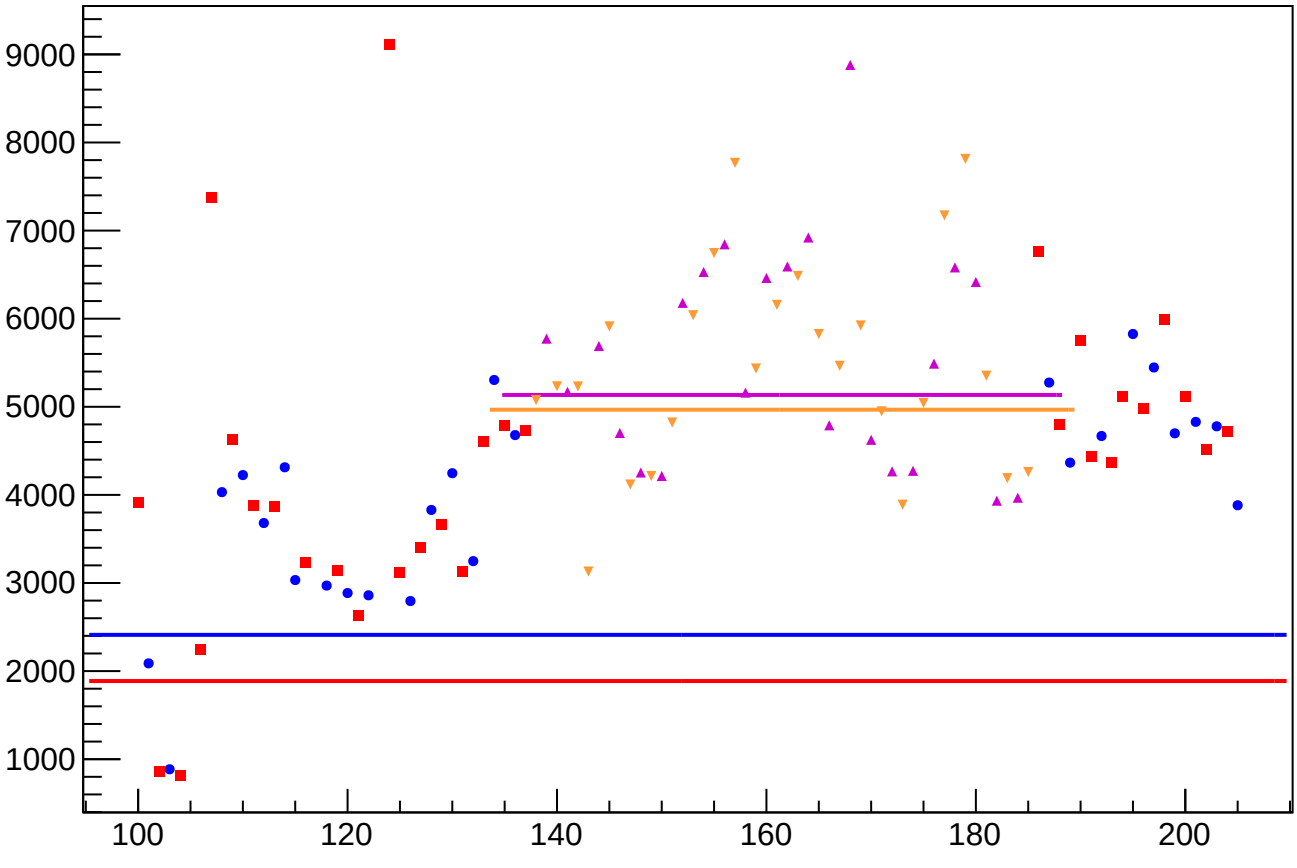
Left: -780.307+/-845.195 χ^2/NDF: 46.0/47

Right: -128.200+/-492.783 χ^2/NDF: 63.2/54

In: -183.559+/-660.435 χ^2/NDF:40.9/47

Out: -371.886+/-556.827 χ^2/NDF:68.7/54

All: -293.637+/-425.710 χ^2/NDF: 109.7/102



Right In: 2411.384+/-0.554 χ^2/NDF: 8538968.0/24

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1887.193+/-0.448 χ^2/NDF: 12981133.3/29

Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

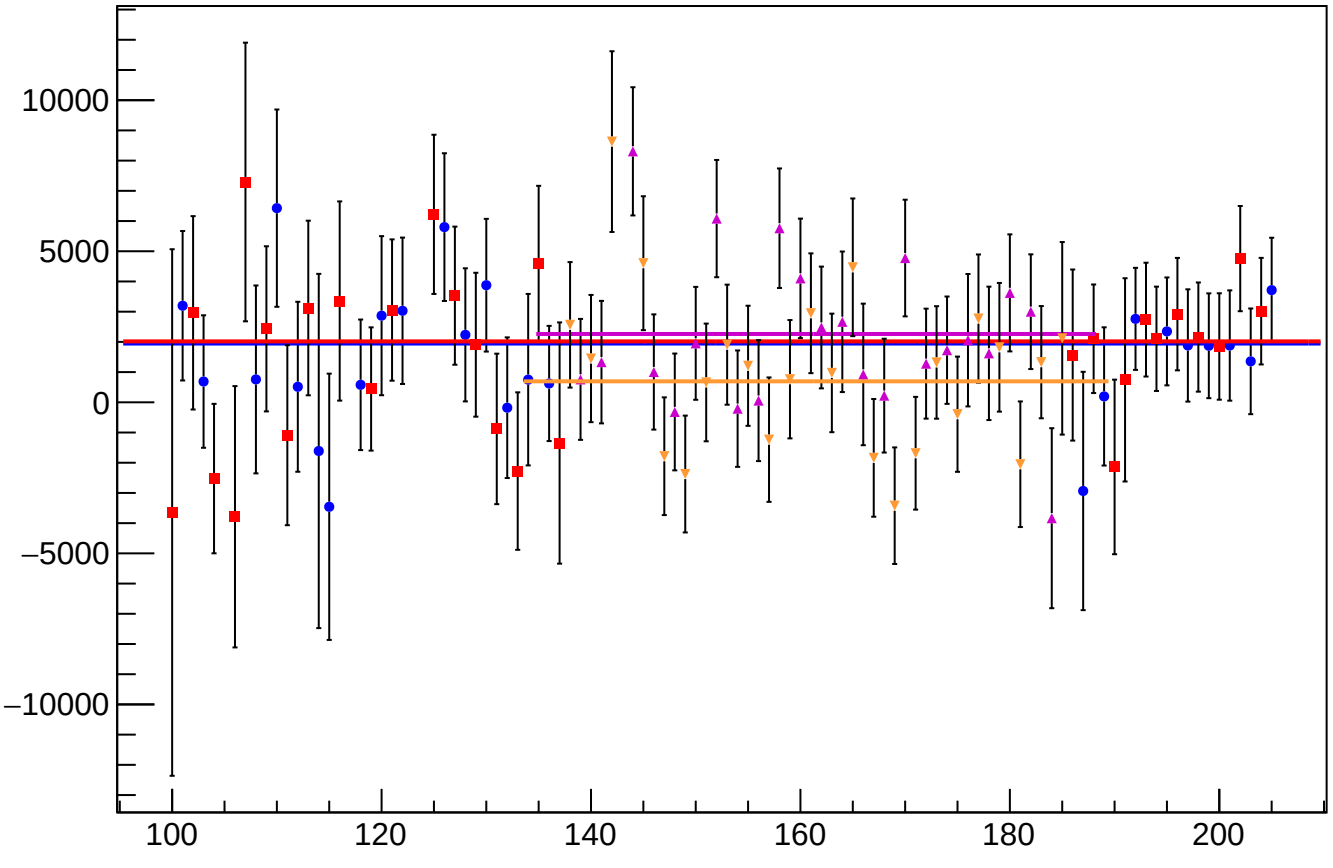
Left: 5046.167+/-0.598 χ^2/NDF: 3424610.1/47

Right: 2094.715+/-0.348 χ^2/NDF: 22061337.3/54

In: 3198.115+/-0.467 χ^2/NDF:17011187.6/47

Out: 2591.399+/-0.394 χ^2/NDF:25689531.4/54

All: 2843.487+/-0.301 χ^2/NDF: 43687290.6/1



Right In: 1945.411+/-448.561 χ^2/NDF: 13.8/24

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: 2016.912+/-442.067 χ^2/NDF: 23.4/28

Left In: 2261.767+/-419.177 χ^2/NDF:30.4/22

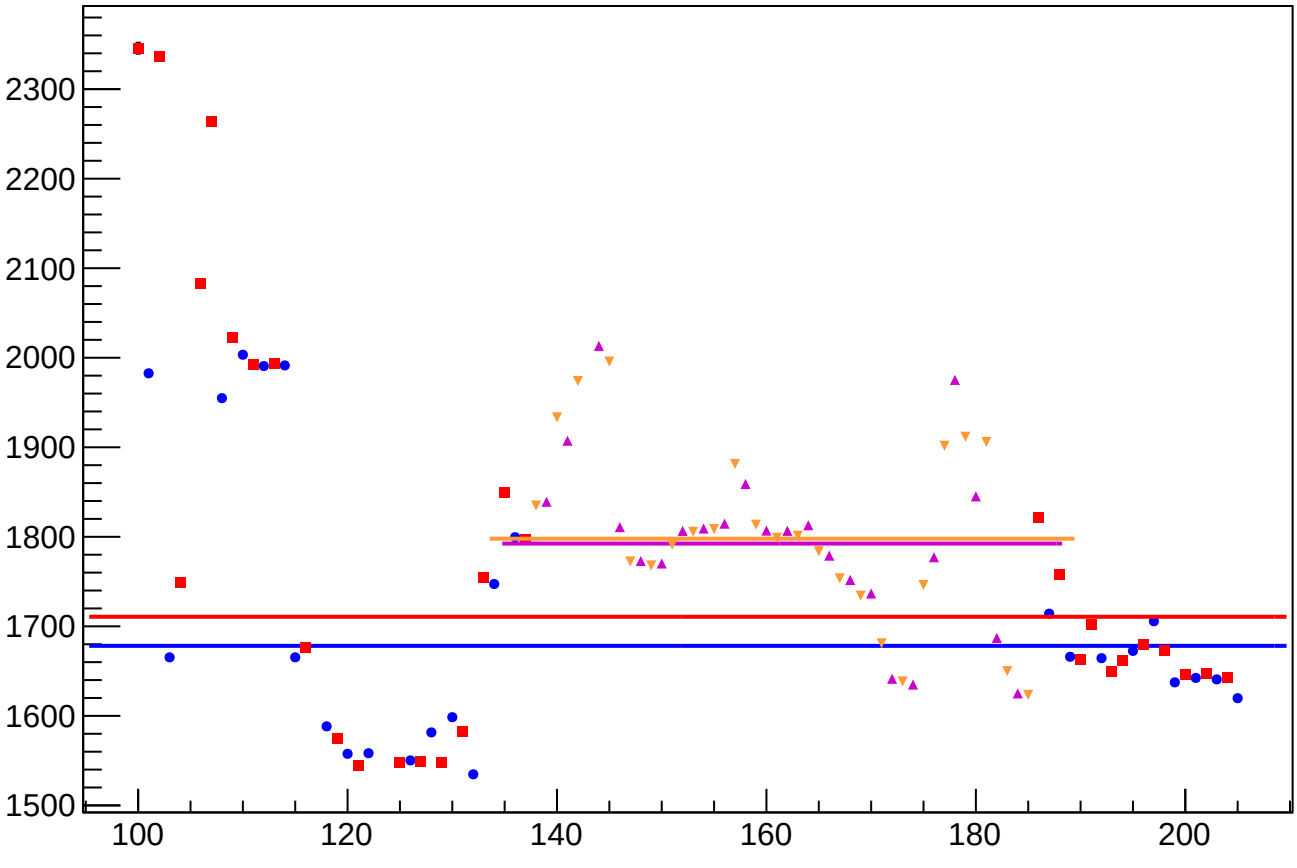
Left: 1475.932+/-296.004 χ^2/NDF: 69.6/46

Right: 1981.683+/-314.860 χ^2/NDF: 37.2/53

In: 2114.289+/-306.264 χ^2/NDF:44.5/47

Out: 1318.712+/-303.742 χ^2/NDF:60.3/52

All: 1713.211+/-215.664 χ^2/NDF: 108.2/100



Right In: 1678.220+/-0.317 χ^2/NDF: 143715.5/24

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1710.702+/-0.312 χ^2/NDF: 274360.2/28

Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

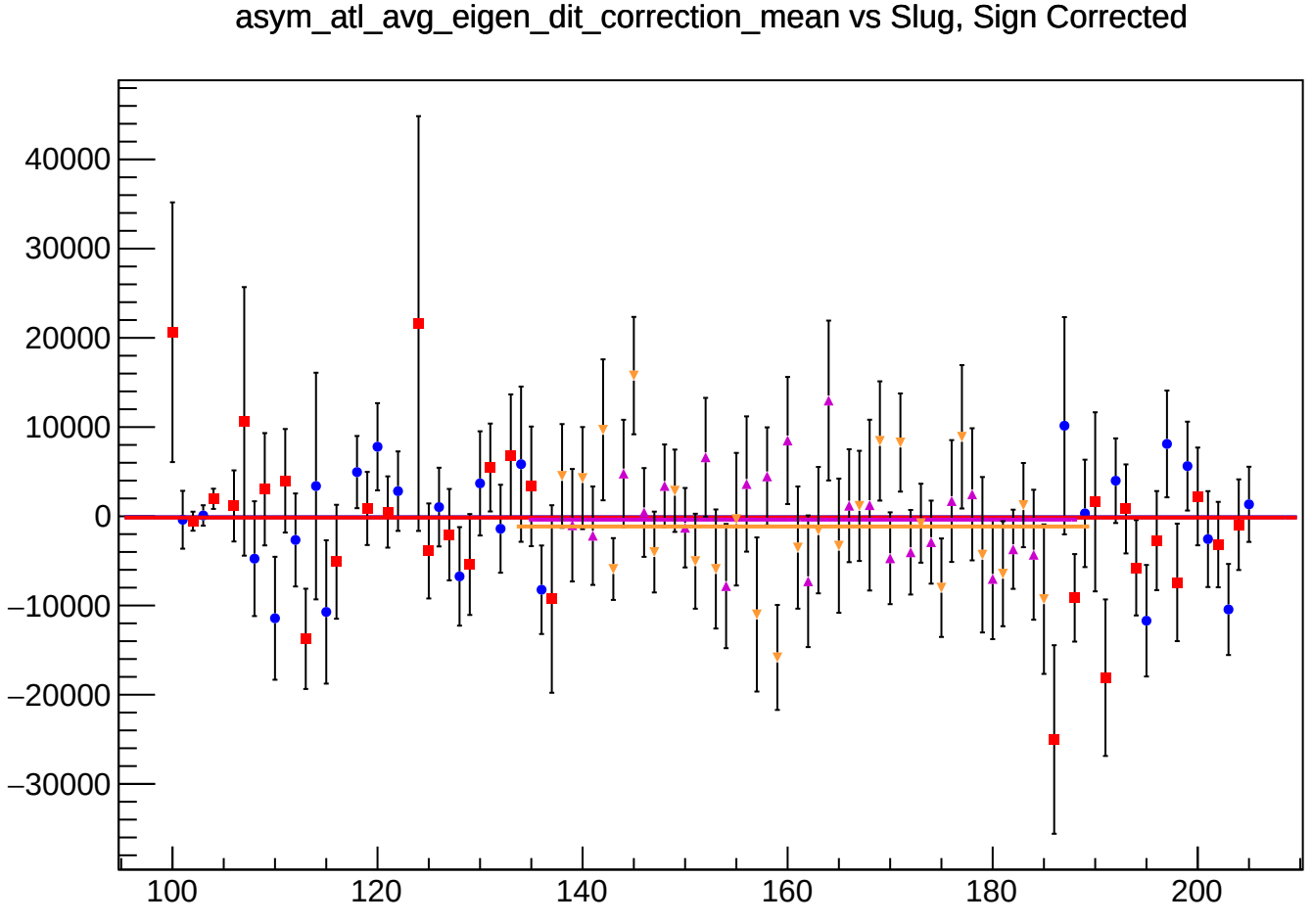
Left: 1795.188+/-0.209 χ^2/NDF: 191054.1/46

Right: 1694.715+/-0.223 χ^2/NDF: 423401.1/53

In: 1739.200+/-0.217 χ^2/NDF:305833.6/47

Out: 1756.695+/-0.215 χ^2/NDF:413498.8/52

All: 1748.024+/-0.152 χ^2/NDF: 722624.3/100



Right In: -105.802+/-783.190 χ^2/NDF: 27.6/24

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -142.868+/-634.008 χ^2/NDF: 35.6/29

Left In: -374.928+/-1228.701 χ^2/NDF:13.3/22

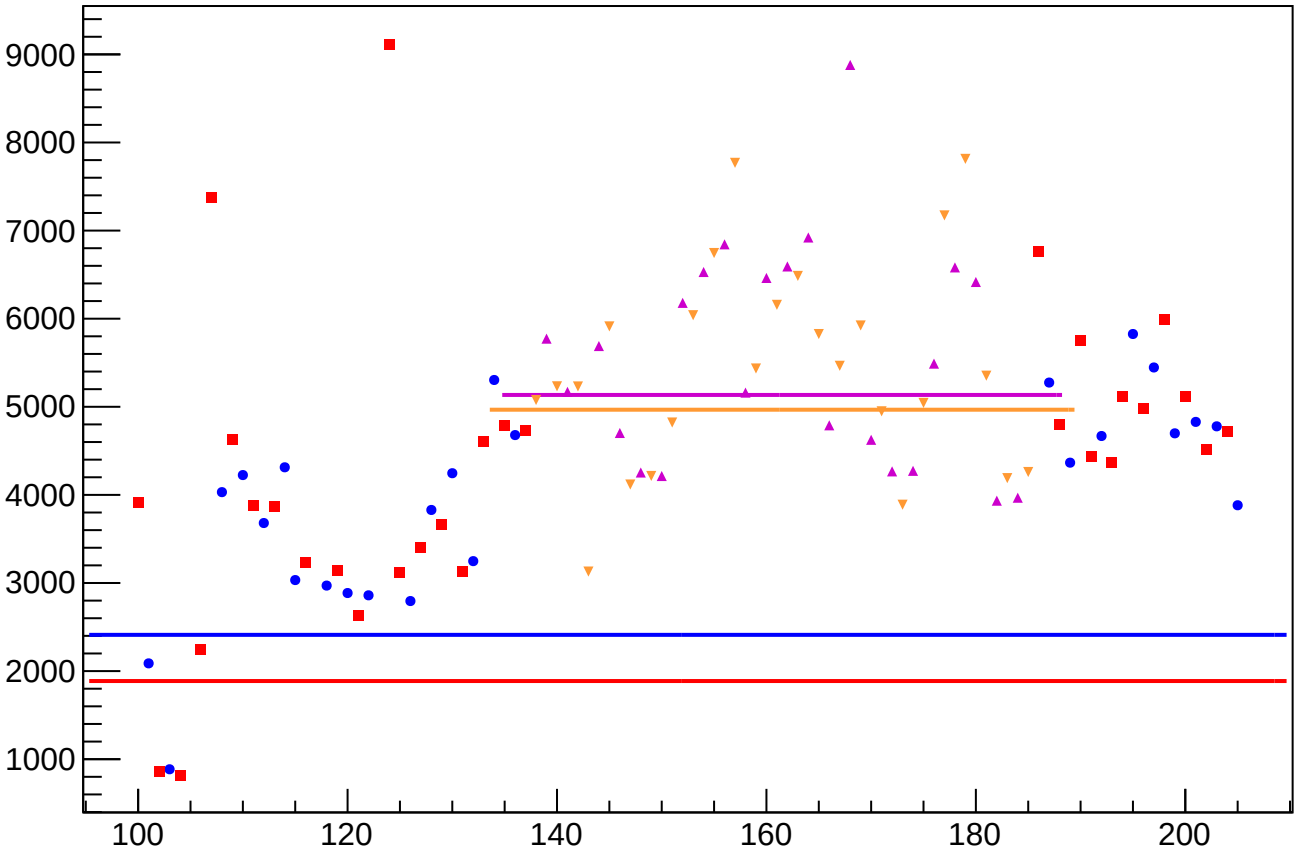
Left: -780.311+/-845.196 χ^2/NDF: 46.0/47

Right: -128.194+/-492.781 χ^2/NDF: 63.2/54

In: -183.556+/-660.433 χ^2/NDF:40.9/47

Out: -371.880+/-556.825 χ^2/NDF:68.7/54

All: -293.632+/-425.708 χ^2/NDF: 109.7/102



Right In: 2411.365+/-0.554 χ^2/NDF: 8539072.8/24

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1887.176+/-0.448 χ^2/NDF: 12981243.2/29

Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

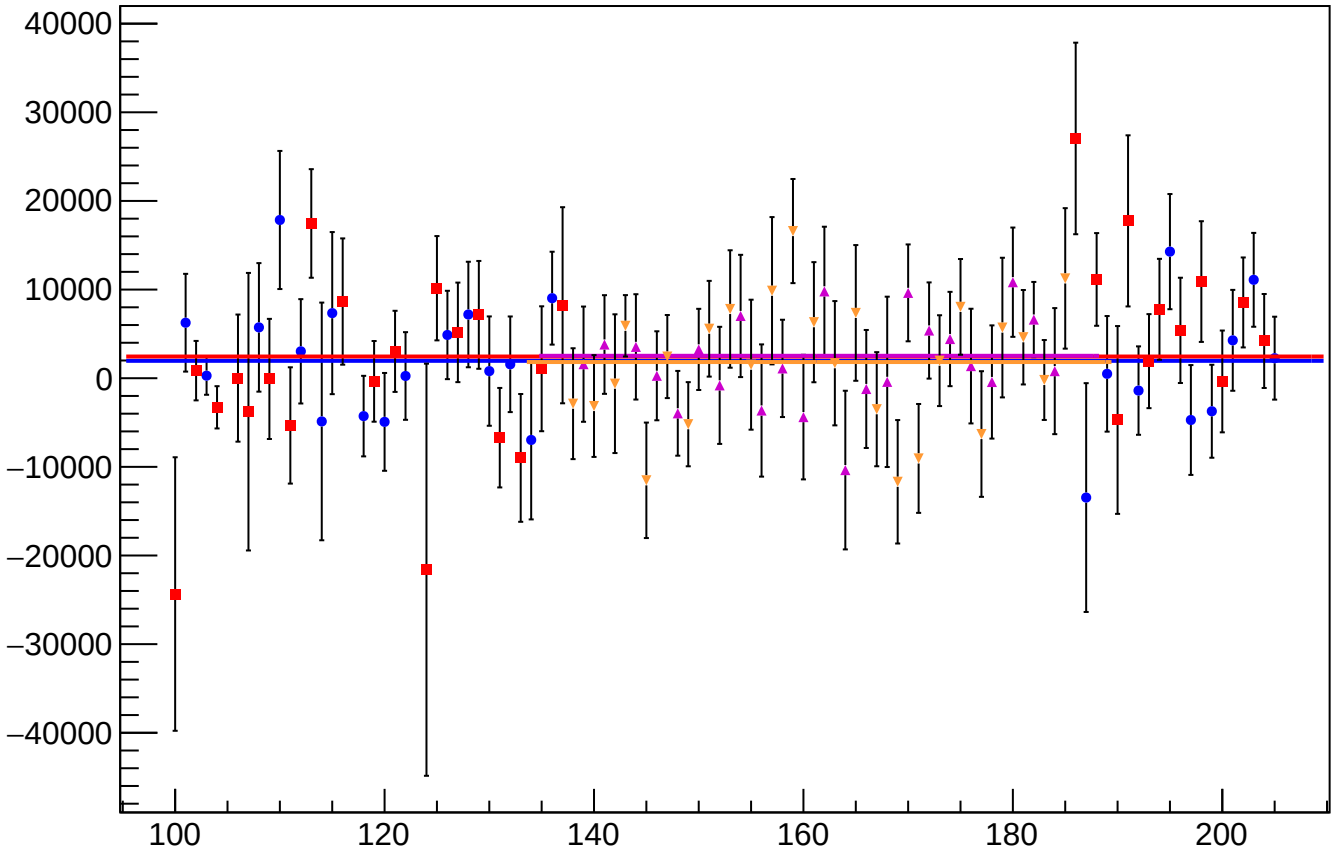
Left: 5046.175+/-0.598 χ^2/NDF: 3424618.3/47

Right: 2094.696+/-0.348 χ^2/NDF: 22061555.8/54

In: 3198.097+/-0.467 χ^2/NDF:17011437.5/47

Out: 2591.378+/-0.394 χ^2/NDF:25689828.8/54

All: 2843.467+/-0.301 χ^2/NDF: 43687852.5/1



Right In: 1962.097+/-1054.815 χ^2/NDF: 24.8/24

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: 2447.506+/-1034.366 χ^2/NDF: 42.5/29

Left In: 2529.501+/-1242.040 χ^2/NDF:13.2/22

Left: 2157.606+/-852.599 χ^2/NDF: 44.4/47

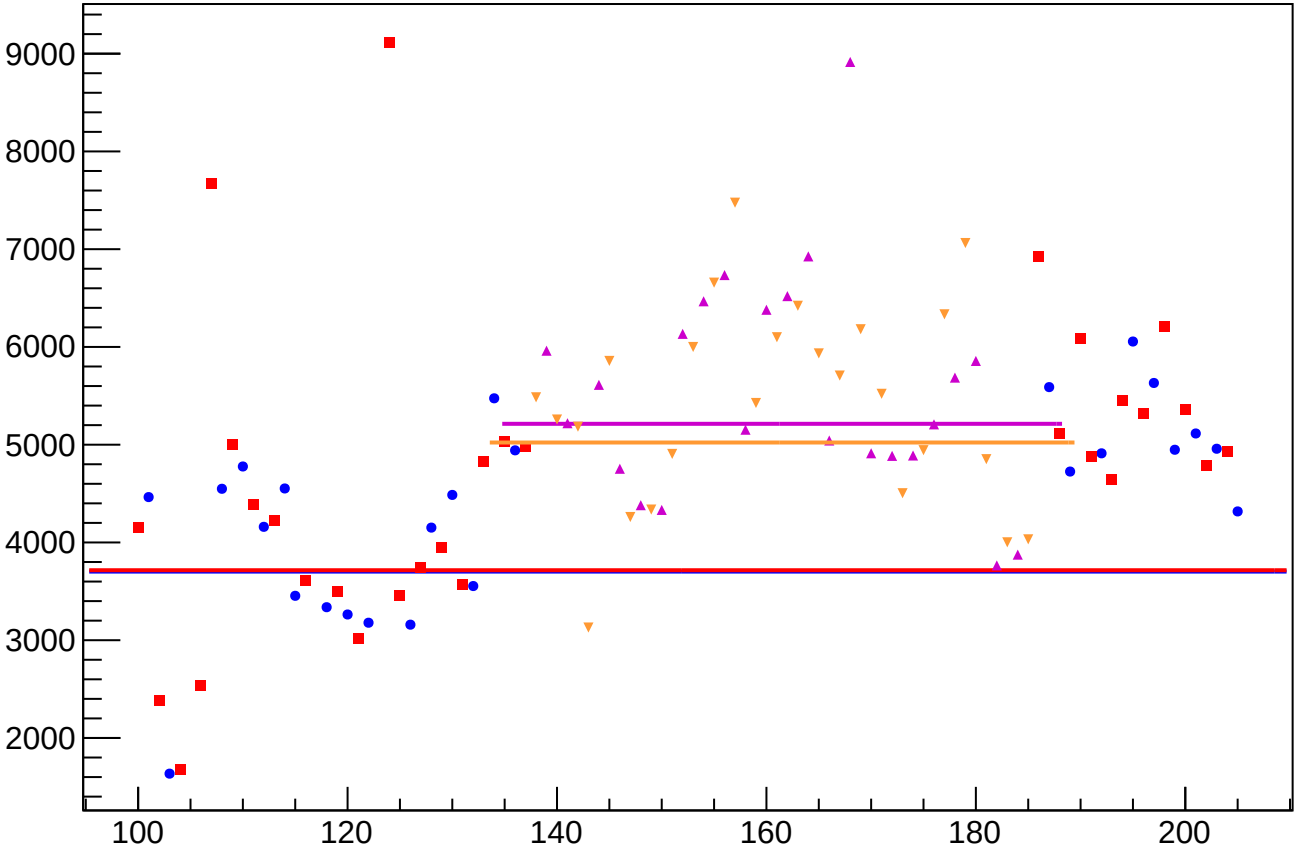
Right: 2209.552+/-738.531 χ^2/NDF: 67.4/54

In: 2199.853+/-803.999 χ^2/NDF:38.1/47

Out: 2175.586+/-775.664 χ^2/NDF:73.7/54

All: 2187.284+/-558.225 χ^2/NDF: 111.9/102

asym_atl_avg_rms vs Slug, Sign Corrected



Right In: 3702.103+/-0.746 χ^2/NDF: 3325270.7/24

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3715.832+/-0.723 χ^2/NDF: 3911127.6/29

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

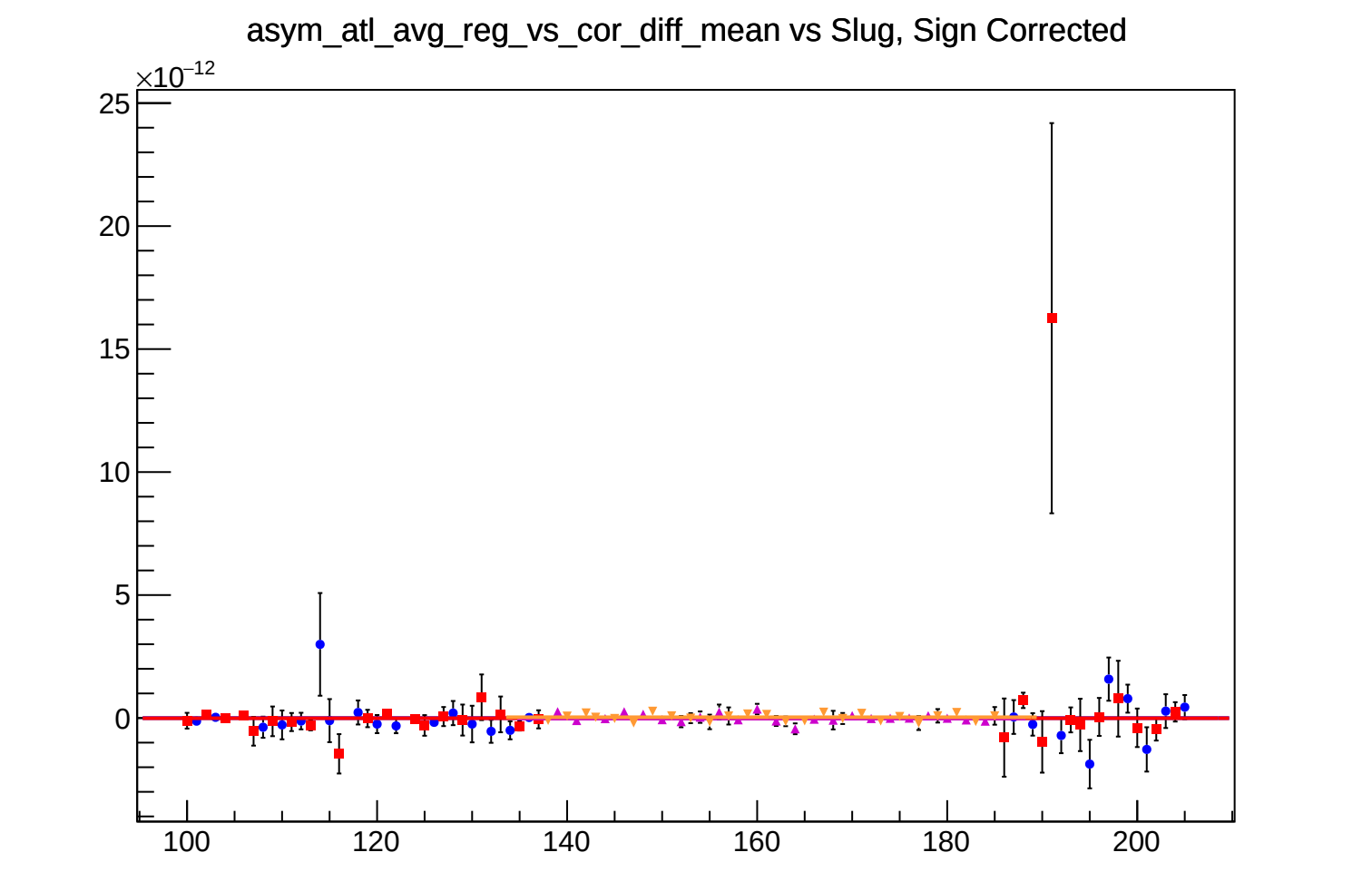
Left: 5112.512+/-0.603 χ^2/NDF: 2924871.4/47

Right: 3709.177+/-0.519 χ^2/NDF: 7236572.9/54

In: 4335.467+/-0.569 χ^2/NDF:6269324.5/47

Out: 4280.634+/-0.545 χ^2/NDF:6997762.2/54

All: 4306.898+/-0.393 χ^2/NDF: 13271933.6/1



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

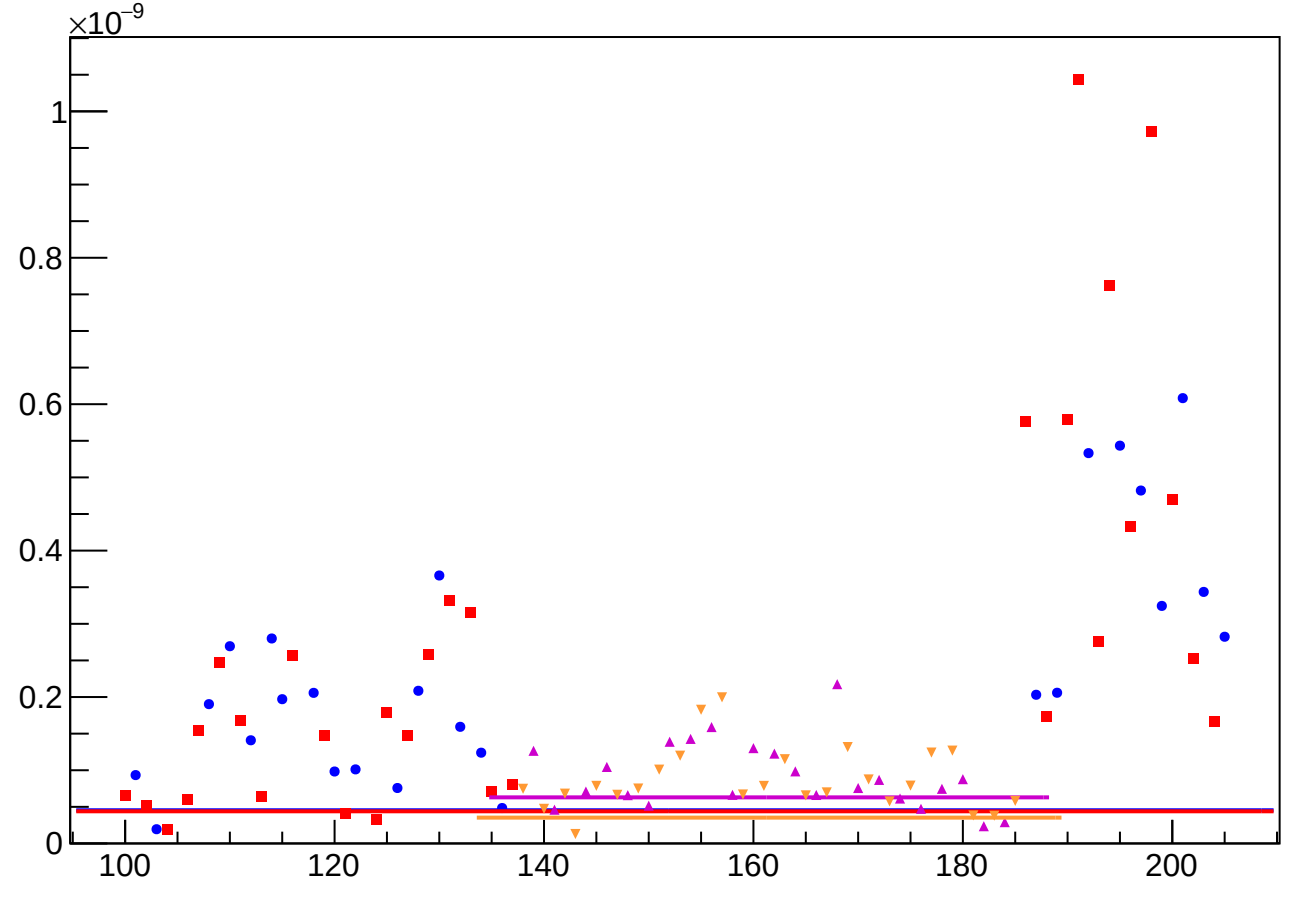
Left: 0.000+/-0.000 χ^2/NDF: 46.3/47

Right: -0.000+/-0.000 χ^2/NDF: 51.1/54

In: -0.000+/-0.000 χ^2/NDF:42.9/47

Out: 0.000+/-0.000 χ^2/NDF:53.6/54

All: 0.000+/-0.000 χ^2/NDF: 98.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 7352600.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7528098.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

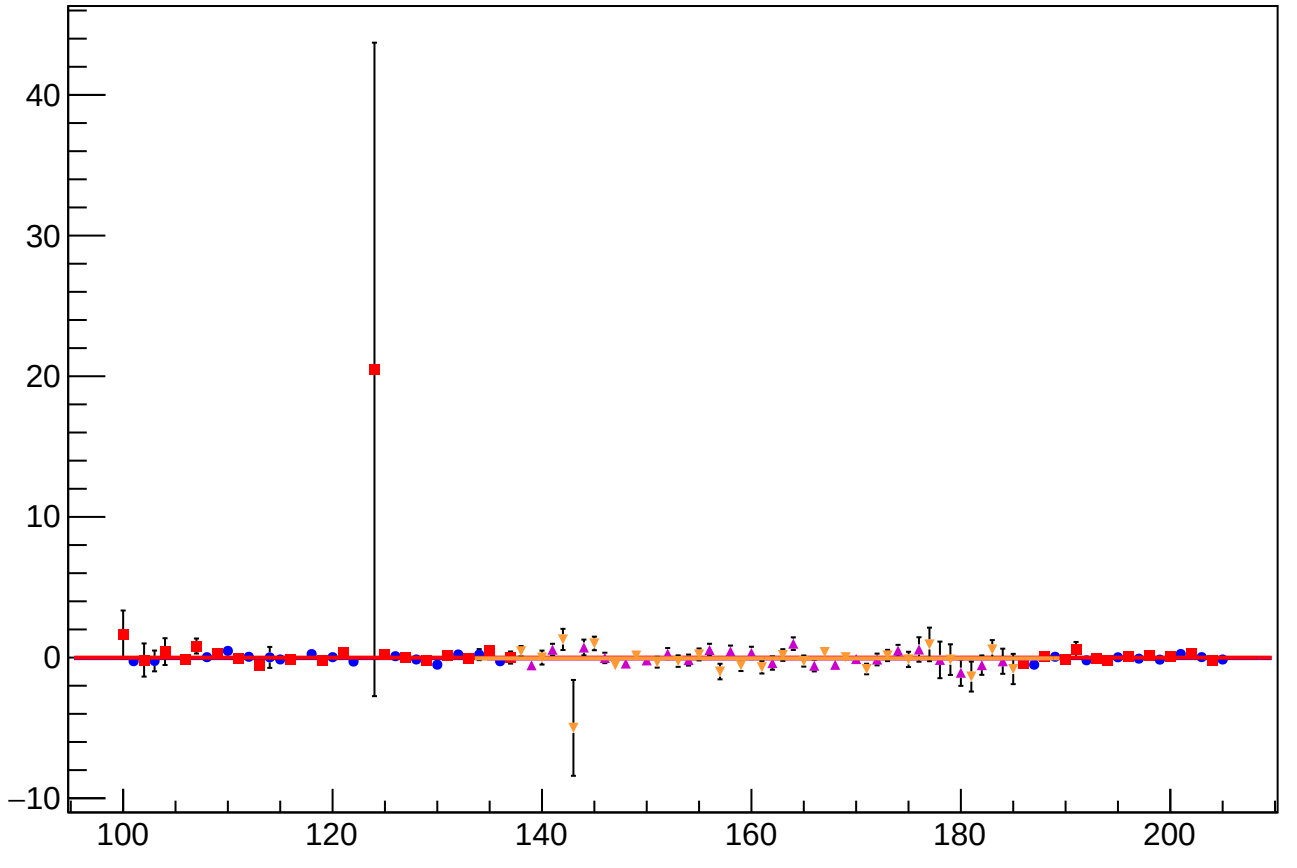
Left: 0.000+/-0.000 χ^2/NDF: 10839622.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14882548.2/54

In: 0.000+/-0.000 χ^2/NDF:10615543.5/47

Out: 0.000+/-0.000 χ^2/NDF:14149180.5/54

All: 0.000+/-0.000 χ^2/NDF: 25724173.8/102



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.004+/-0.039 χ^2/NDF: 31.8/29

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

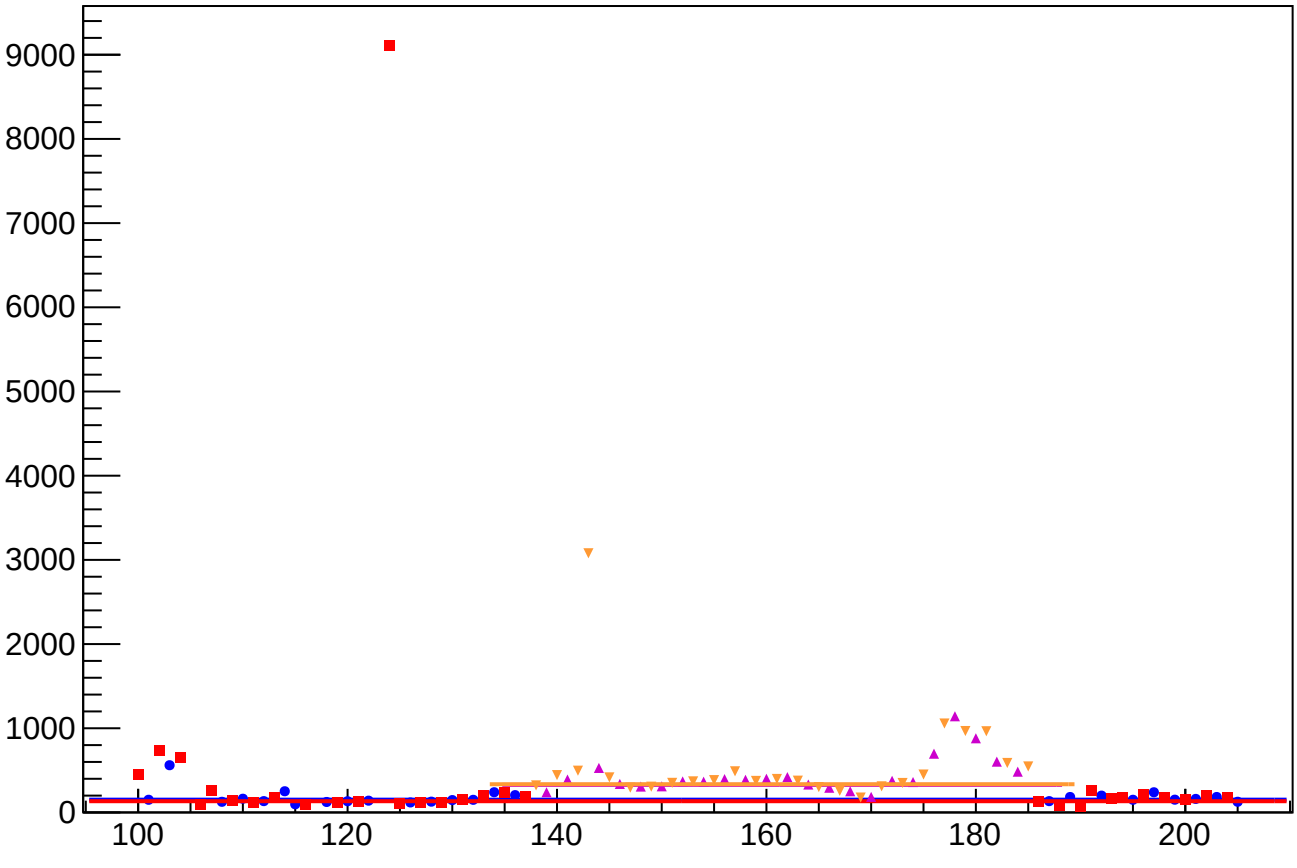
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.019+/-0.029 χ^2/NDF: 55.8/54

In: -0.044+/-0.039 χ^2/NDF:51.7/47

Out: -0.013+/-0.035 χ^2/NDF:65.2/54

All: -0.027+/-0.026 χ^2/NDF: 117.3/102



Right In: 152.014+/-0.031 χ^2/NDF: 1598275.5/24

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.537+/-0.027 χ^2/NDF: 3964067.3/29

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

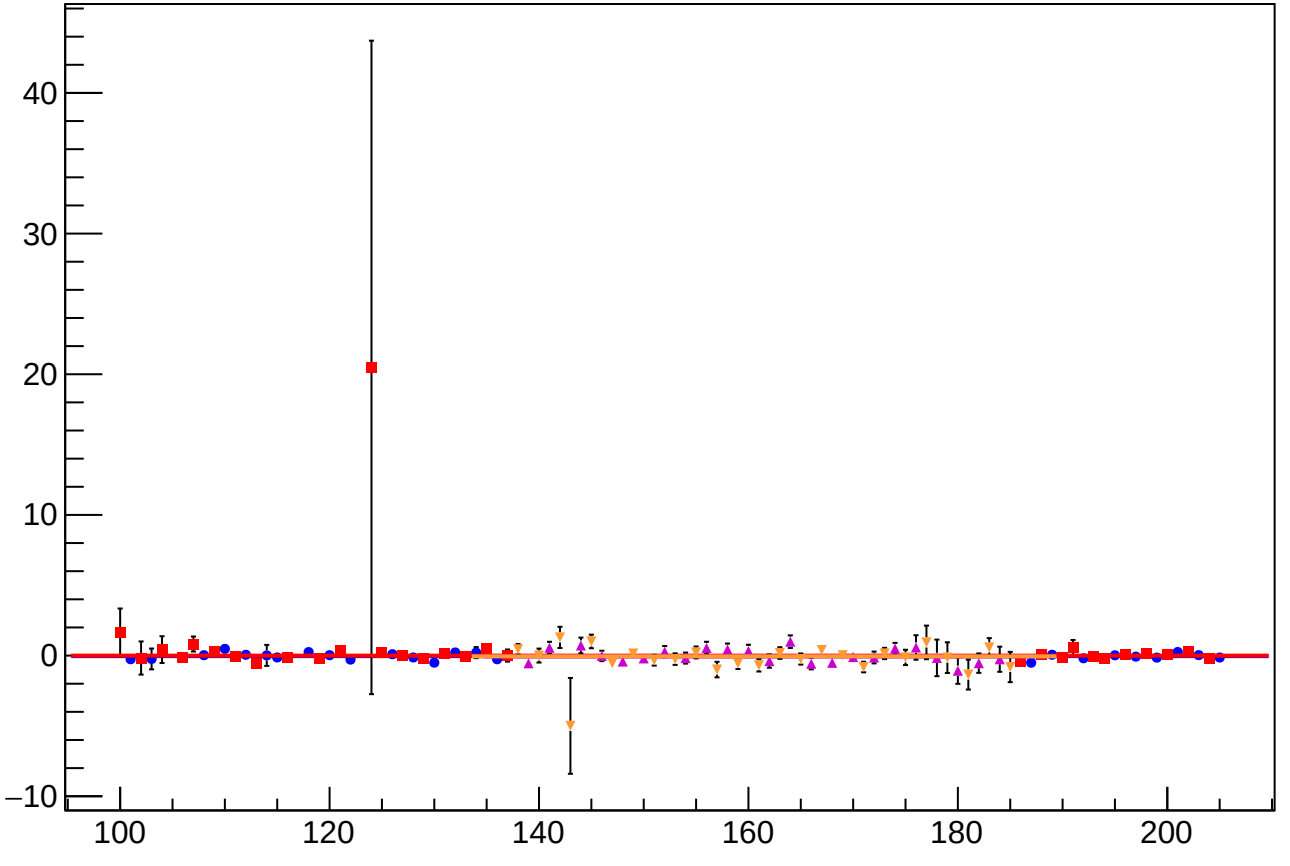
Right: 141.692+/-0.020 χ^2/NDF: 5763132.4/54

In: 190.147+/-0.027 χ^2/NDF:12799812.9/47

Out: 168.486+/-0.025 χ^2/NDF:19205286.8/54

All: 178.339+/-0.018 χ^2/NDF: 32349134.9/10

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.004+/-0.039 χ^2/NDF: 31.8/29

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

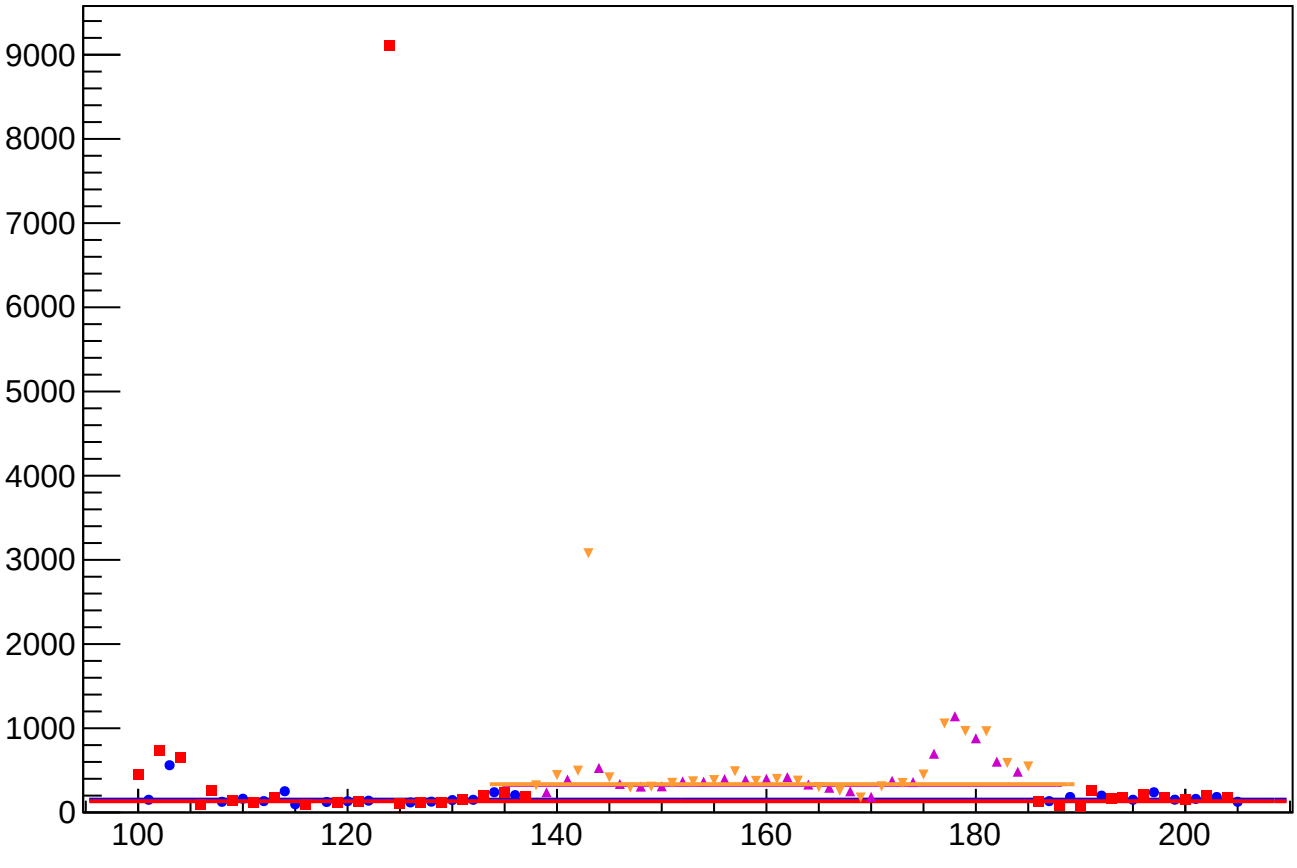
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.019+/-0.029 χ^2/NDF: 55.8/54

In: -0.044+/-0.039 χ^2/NDF:51.7/47

Out: -0.013+/-0.035 χ^2/NDF:65.2/54

All: -0.027+/-0.026 χ^2/NDF: 117.3/102



Right In: 152.014+/-0.031 χ^2/NDF: 1598275.5/24

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 133.537+/-0.027 χ^2/NDF: 3964067.3/29

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

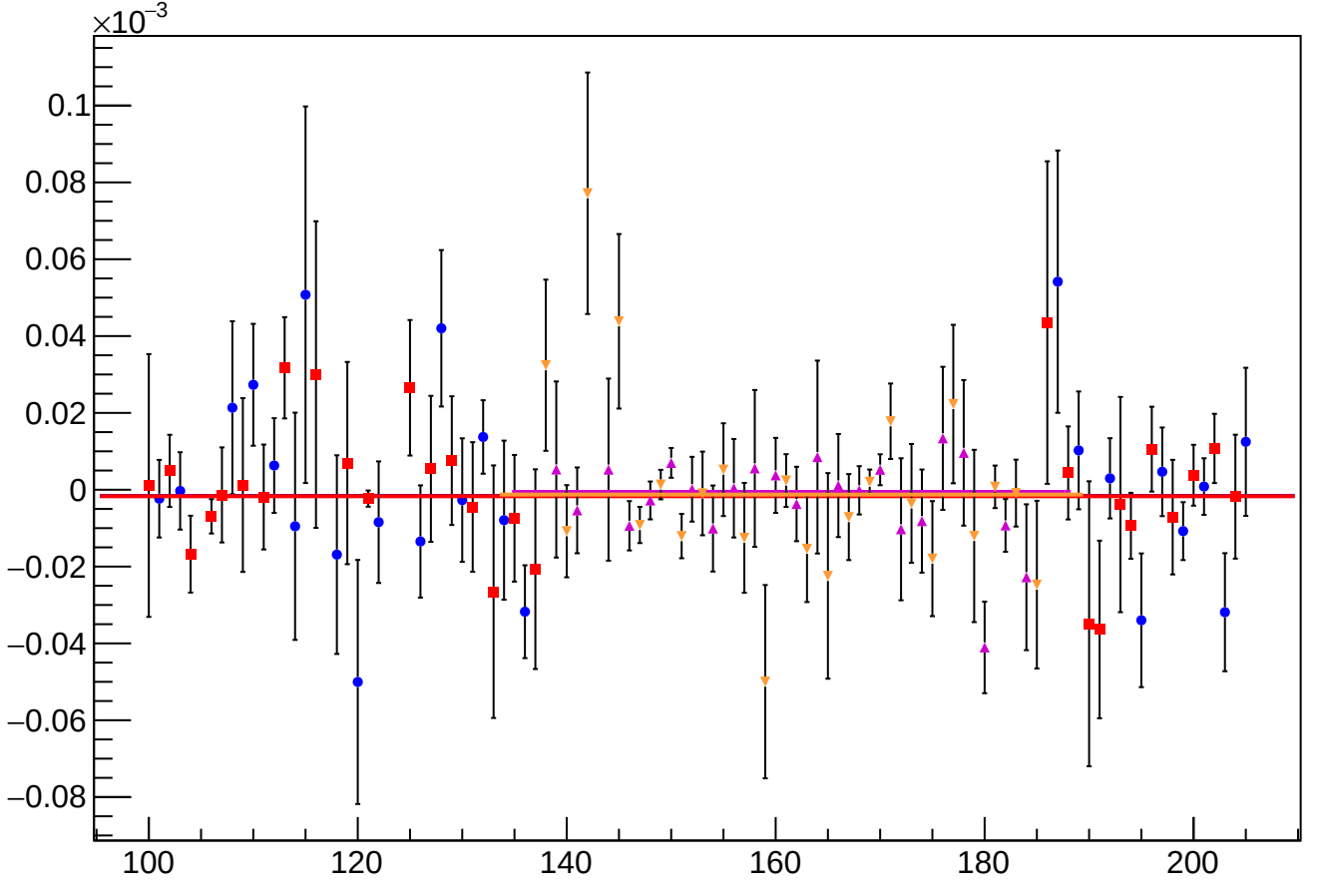
Left: 331.284+/-0.042 χ^2/NDF: 10013400.4/47

Right: 141.692+/-0.020 χ^2/NDF: 5763132.4/54

In: 190.147+/-0.027 χ^2/NDF:12799812.9/47

Out: 168.486+/-0.025 χ^2/NDF:19205286.8/54

All: 178.339+/-0.018 χ^2/NDF: 32349134.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

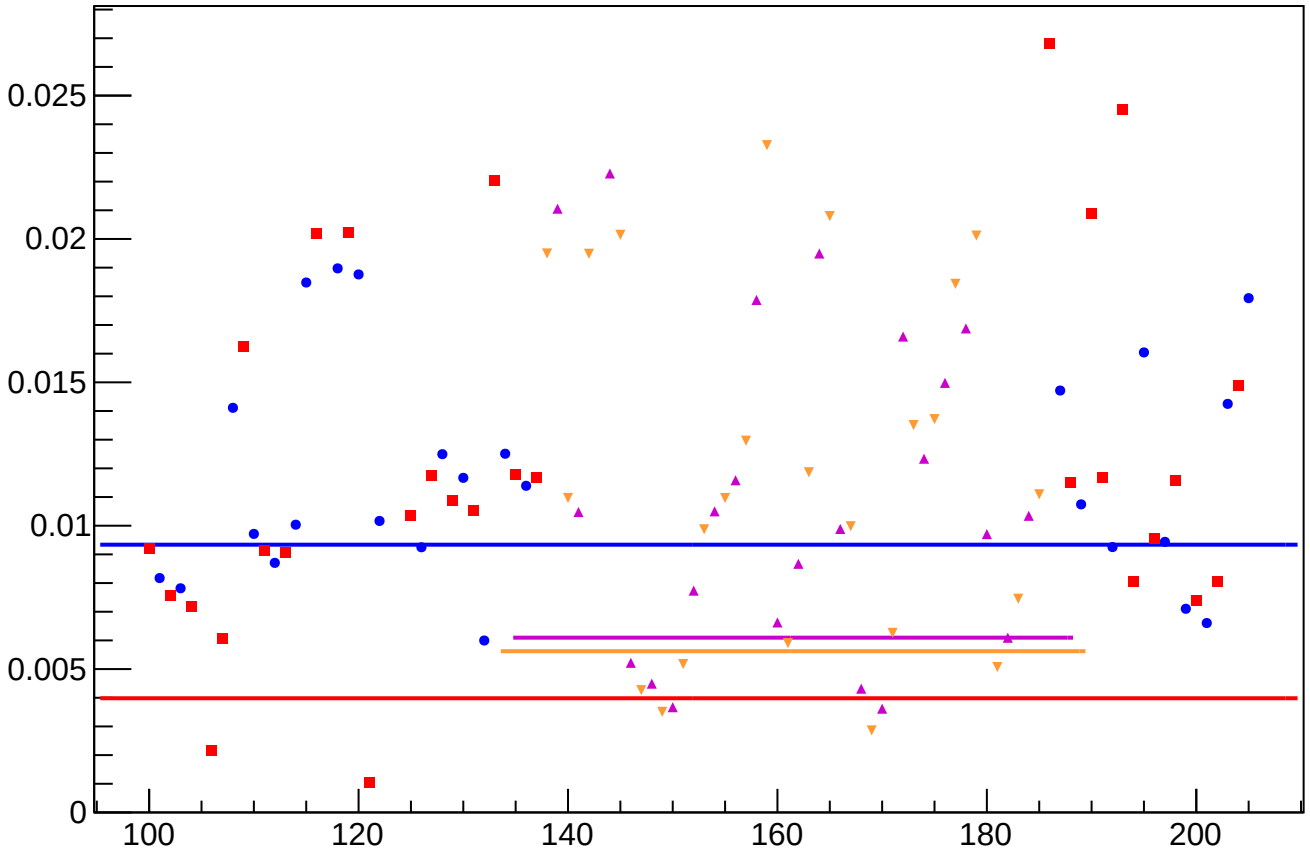
Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

Right: -0.000+/-0.000 χ^2/NDF: 60.9/53

In: -0.000+/-0.000 χ^2/NDF:61.8/47

Out: -0.000+/-0.000 χ^2/NDF:60.5/52

All: -0.000+/-0.000 χ^2/NDF: 122.4/100



Right In: 0.009+/-0.000 χ^2/NDF: 2555020.9/24

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 15755985.3/28

Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

Left: 0.006+/-0.000 χ^2/NDF: 20062256.6/46

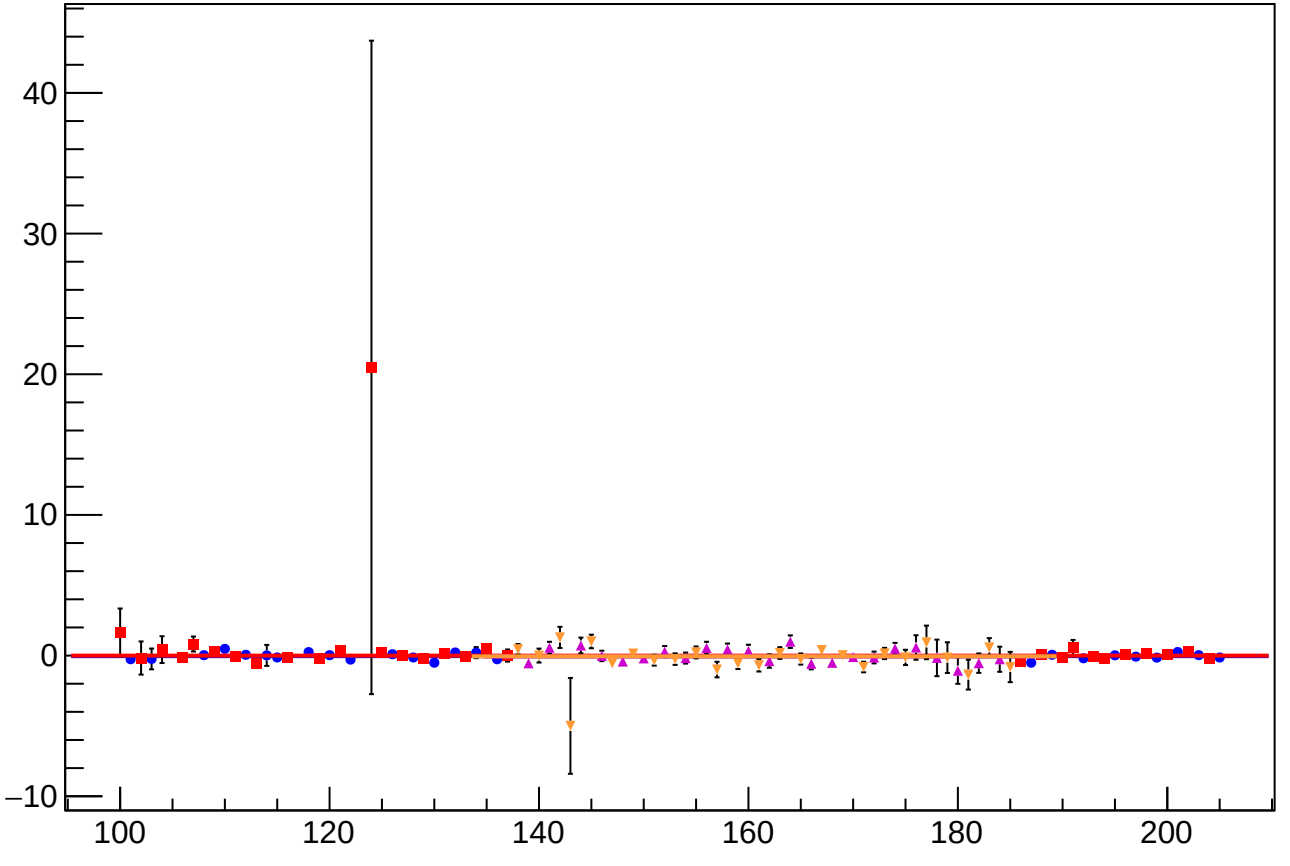
Right: 0.005+/-0.000 χ^2/NDF: 24270469.0/53

In: 0.007+/-0.000 χ^2/NDF:13423312.2/47

Out: 0.005+/-0.000 χ^2/NDF:28002111.1/52

All: 0.006+/-0.000 χ^2/NDF: 44485695.0/100

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.004+/-0.039 χ^2/NDF: 31.8/29

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

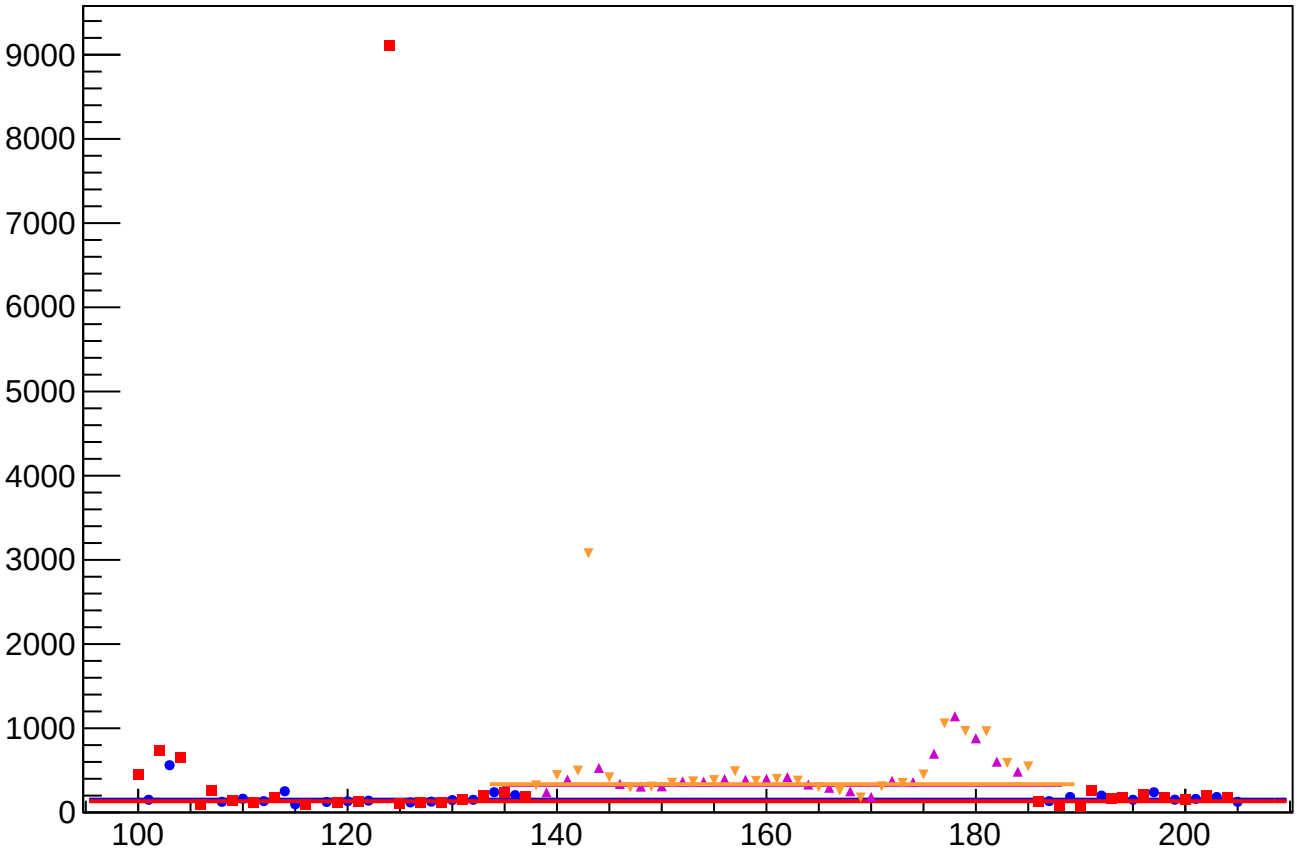
Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

Right: -0.019+/-0.029 χ^2/NDF: 55.8/54

In: -0.044+/-0.039 χ^2/NDF:51.7/47

Out: -0.013+/-0.035 χ^2/NDF:65.2/54

All: -0.027+/-0.026 χ^2/NDF: 117.3/102



Right In: 152.012+/-0.031 χ^2/NDF: 1598374.5/24

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 133.535+/-0.027 χ^2/NDF: 3964153.6/29

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

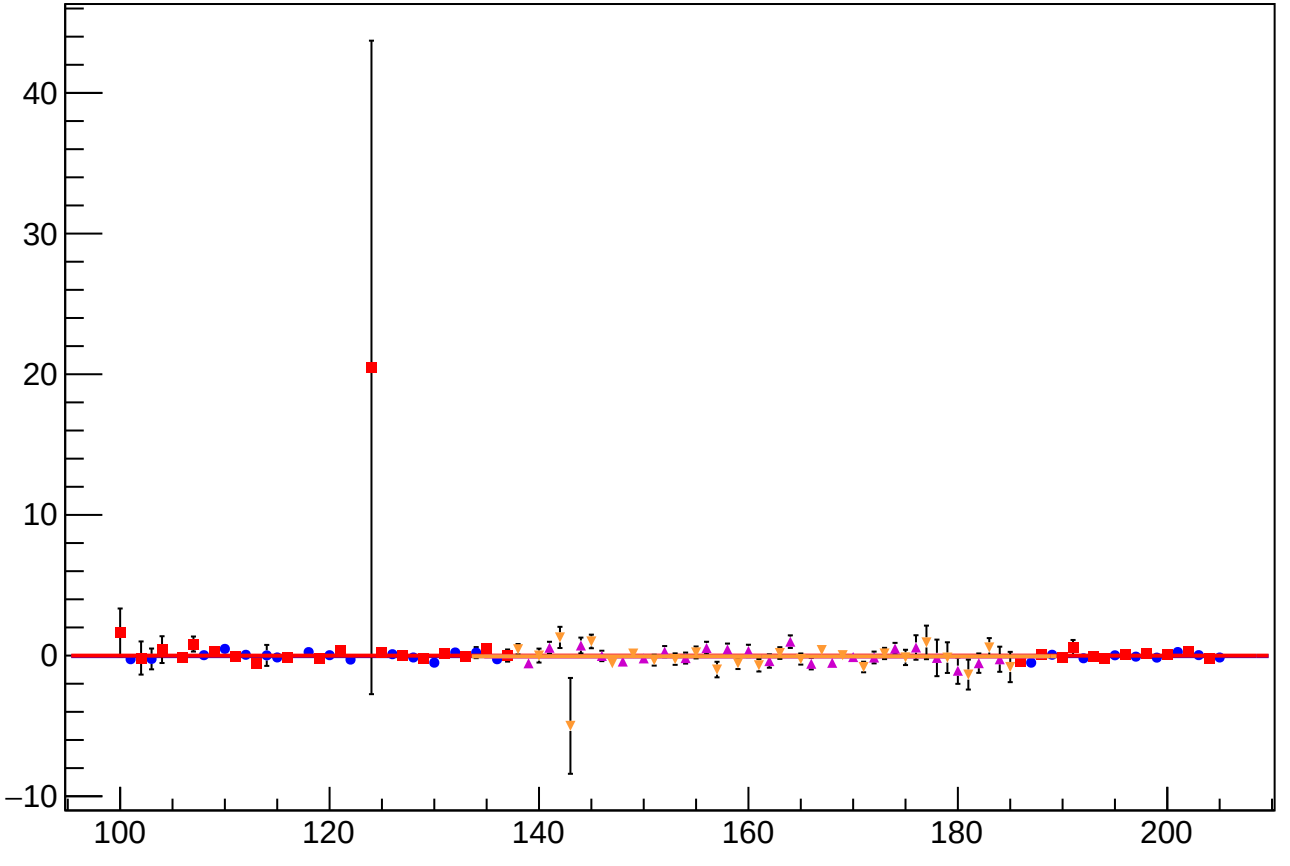
Right: 141.691+/-0.020 χ^2/NDF: 5763318.6/54

In: 190.146+/-0.027 χ^2/NDF:12800226.5/47

Out: 168.484+/-0.025 χ^2/NDF:19205712.3/54

All: 178.337+/-0.018 χ^2/NDF: 32349977.6/10

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.004+/-0.039 χ^2/NDF: 31.8/29

Left In: -0.063+/-0.083 χ^2/NDF:28.0/22

Left: -0.059+/-0.059 χ^2/NDF: 61.1/47

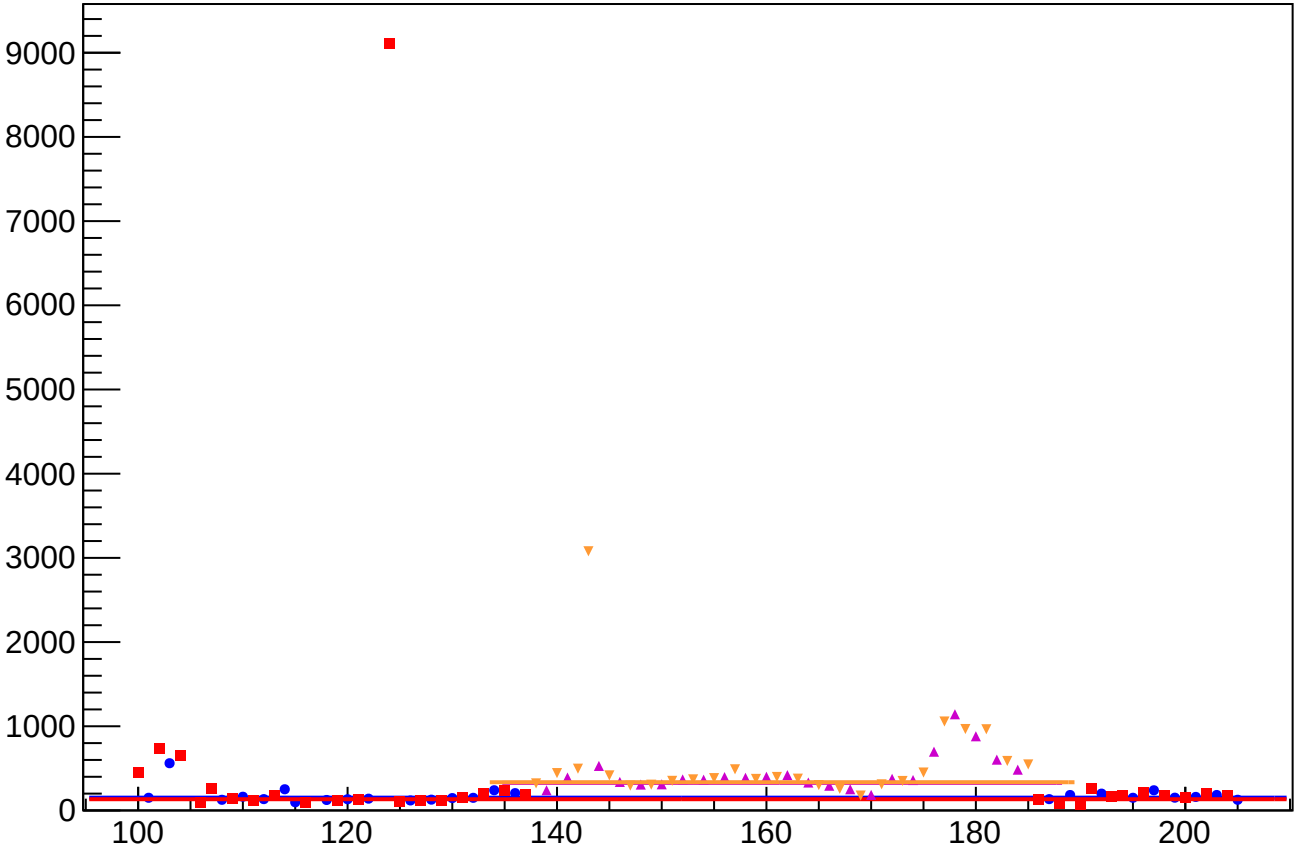
Right: -0.019+/-0.029 χ^2/NDF: 55.8/54

In: -0.044+/-0.039 χ^2/NDF:51.7/47

Out: -0.013+/-0.035 χ^2/NDF:65.2/54

All: -0.027+/-0.026 χ^2/NDF: 117.3/102

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 152.012+/-0.031 χ^2/NDF: 1598374.5/24

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

Right Out: 133.535+/-0.027 χ^2/NDF: 3964153.6/29

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

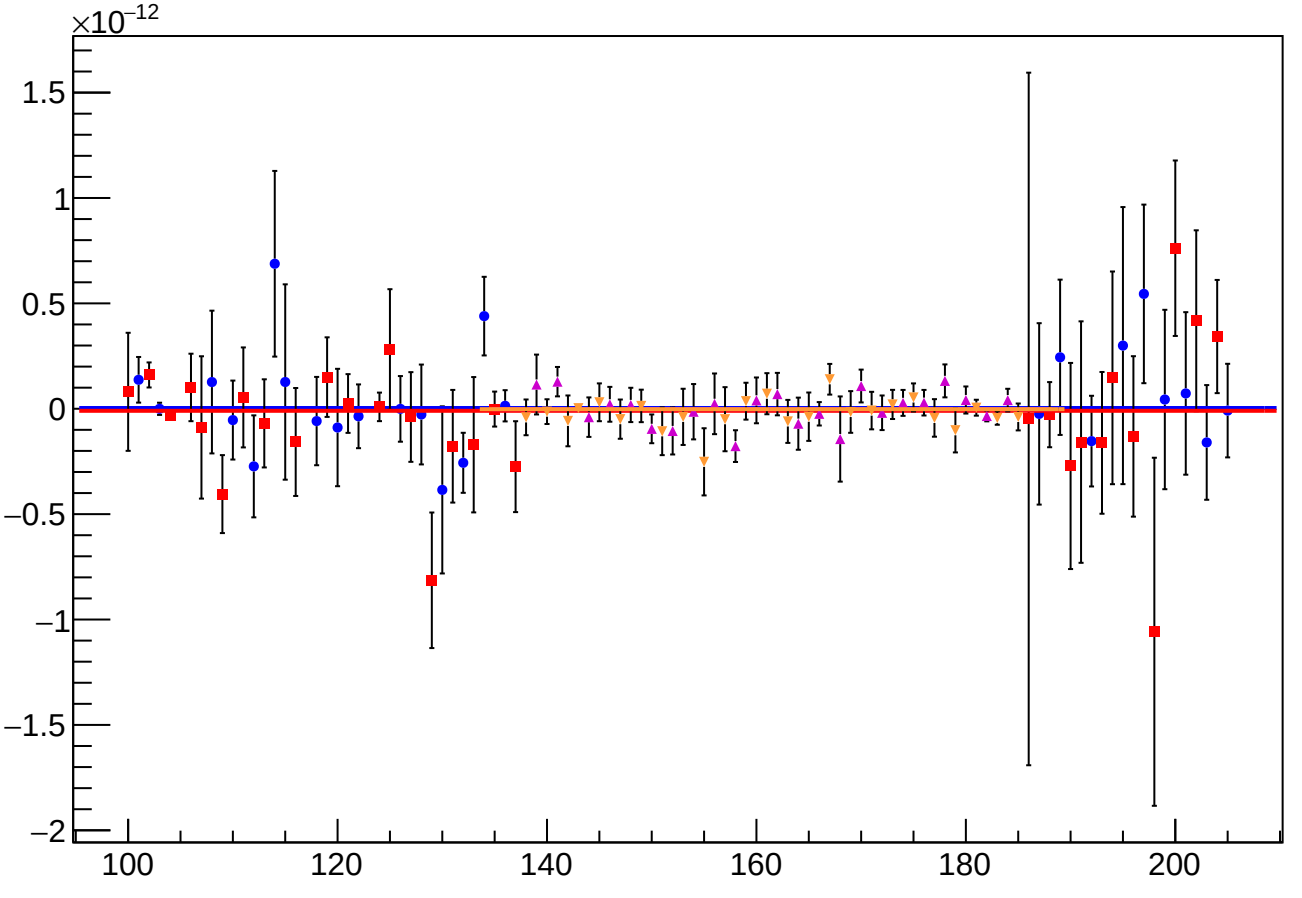
Left: 331.286+/-0.042 χ^2/NDF: 10013472.2/47

Right: 141.691+/-0.020 χ^2/NDF: 5763318.6/54

In: 190.146+/-0.027 χ^2/NDF:12800226.5/47

Out: 168.484+/-0.025 χ^2/NDF:19205712.3/54

All: 178.337+/-0.018 χ^2/NDF: 32349977.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.7/29

Left In: -0.000+/-0.000 χ^2/NDF:22.5/22

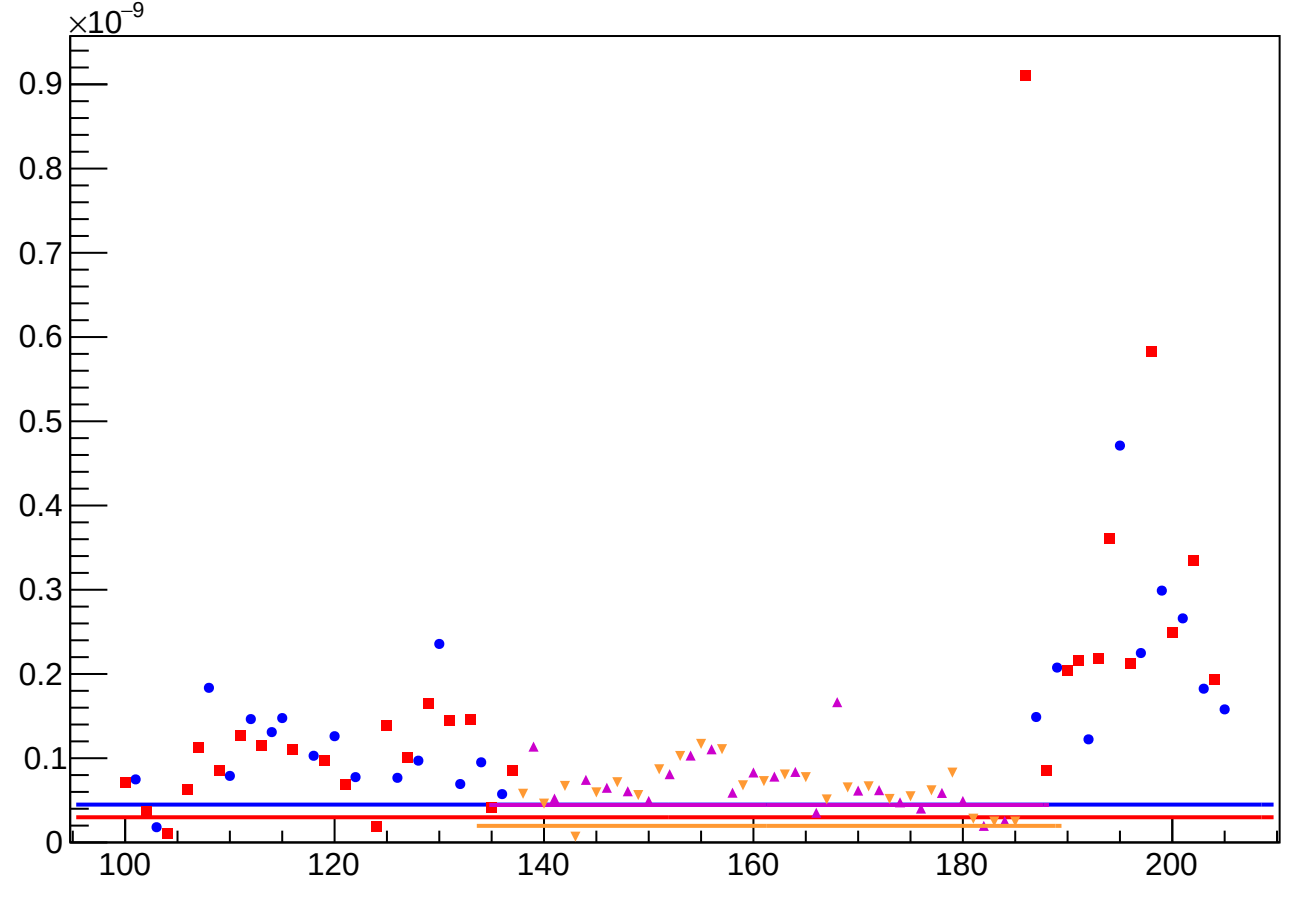
Left: -0.000+/-0.000 χ^2/NDF: 36.1/47

Right: -0.000+/-0.000 χ^2/NDF: 52.7/54

In: -0.000+/-0.000 χ^2/NDF:41.3/47

Out: -0.000+/-0.000 χ^2/NDF:47.4/54

All: -0.000+/-0.000 χ^2/NDF: 88.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 8488847.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11283810.3/29

Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

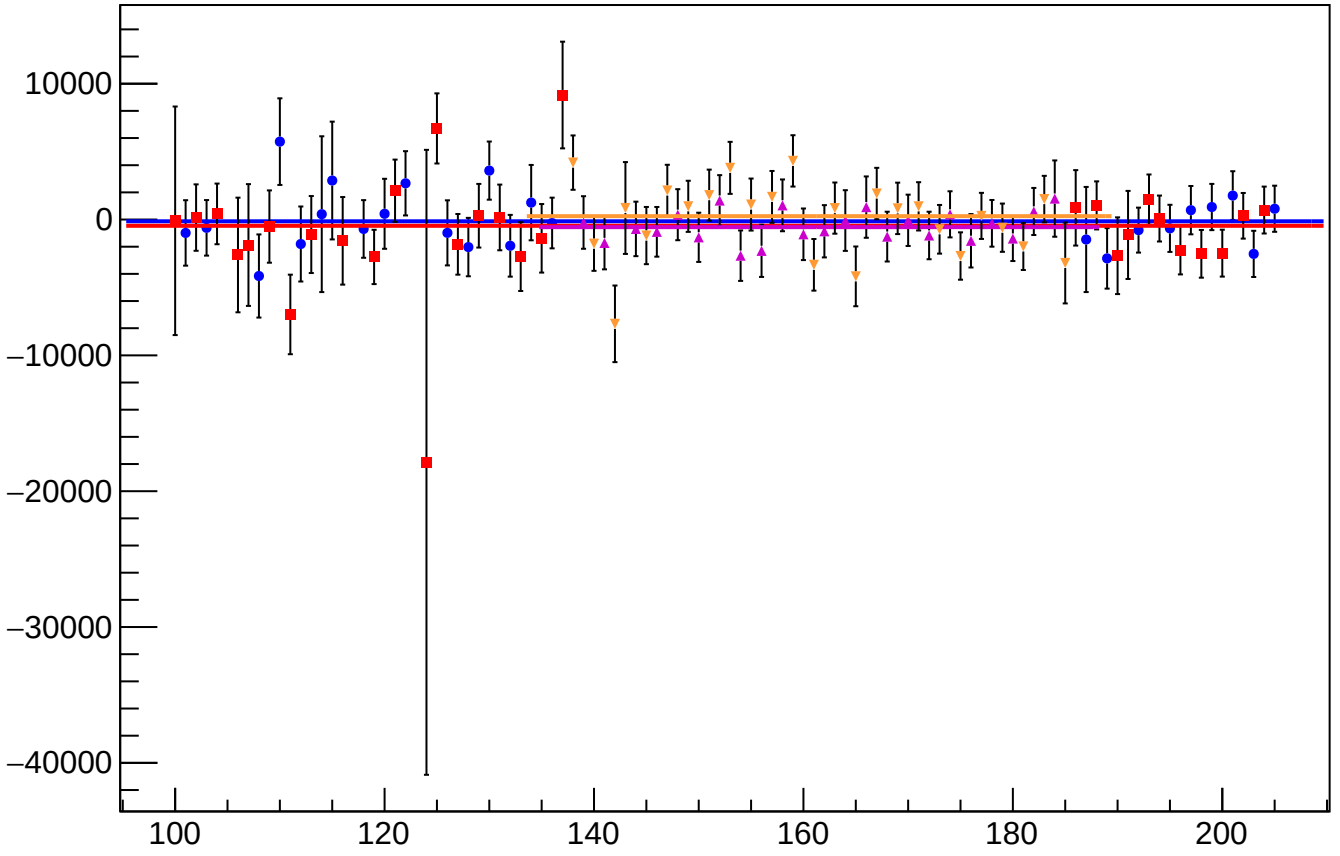
Left: 0.000+/-0.000 χ^2/NDF: 25361712.4/47

Right: 0.000+/-0.000 χ^2/NDF: 20287178.2/54

In: 0.000+/-0.000 χ^2/NDF:14409246.2/47

Out: 0.000+/-0.000 χ^2/NDF:26690764.0/54

All: 0.000+/-0.000 χ^2/NDF: 46355772.8/102



Right In: -129.234+/-437.133 χ^2/NDF: 18.3/24

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: -461.129+/-427.856 χ^2/NDF: 31.2/29

Left In: -559.995+/-395.112 χ^2/NDF:7.5/22

Left: -149.402+/-277.138 χ^2/NDF: 49.2/47

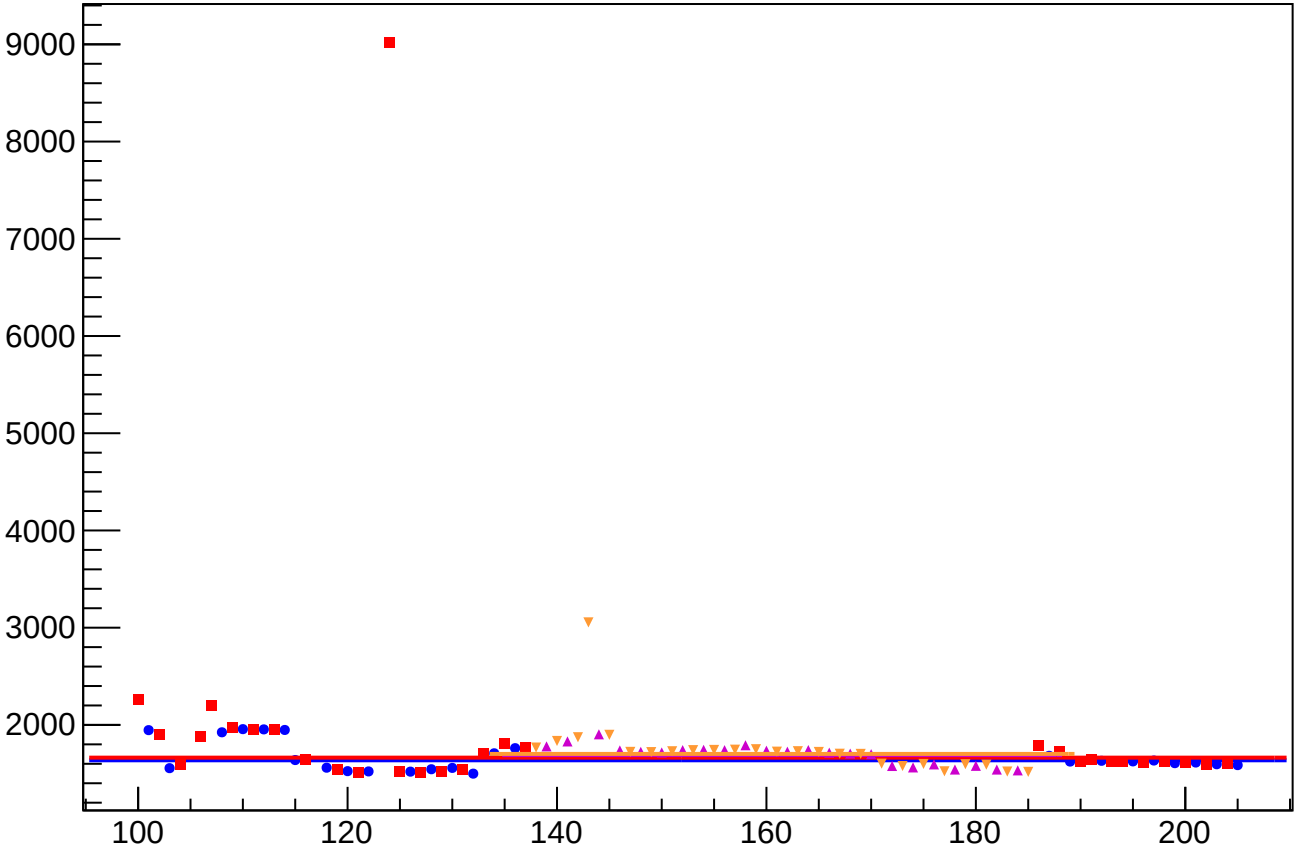
Right: -298.741+/-305.767 χ^2/NDF: 49.9/54

In: -366.309+/-293.119 χ^2/NDF:26.4/47

Out: -72.625+/-287.753 χ^2/NDF:72.3/54

All: -216.754+/-205.343 χ^2/NDF: 99.2/102

reg_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1663.308+/-0.302 χ^2/NDF: 410479.7/29

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

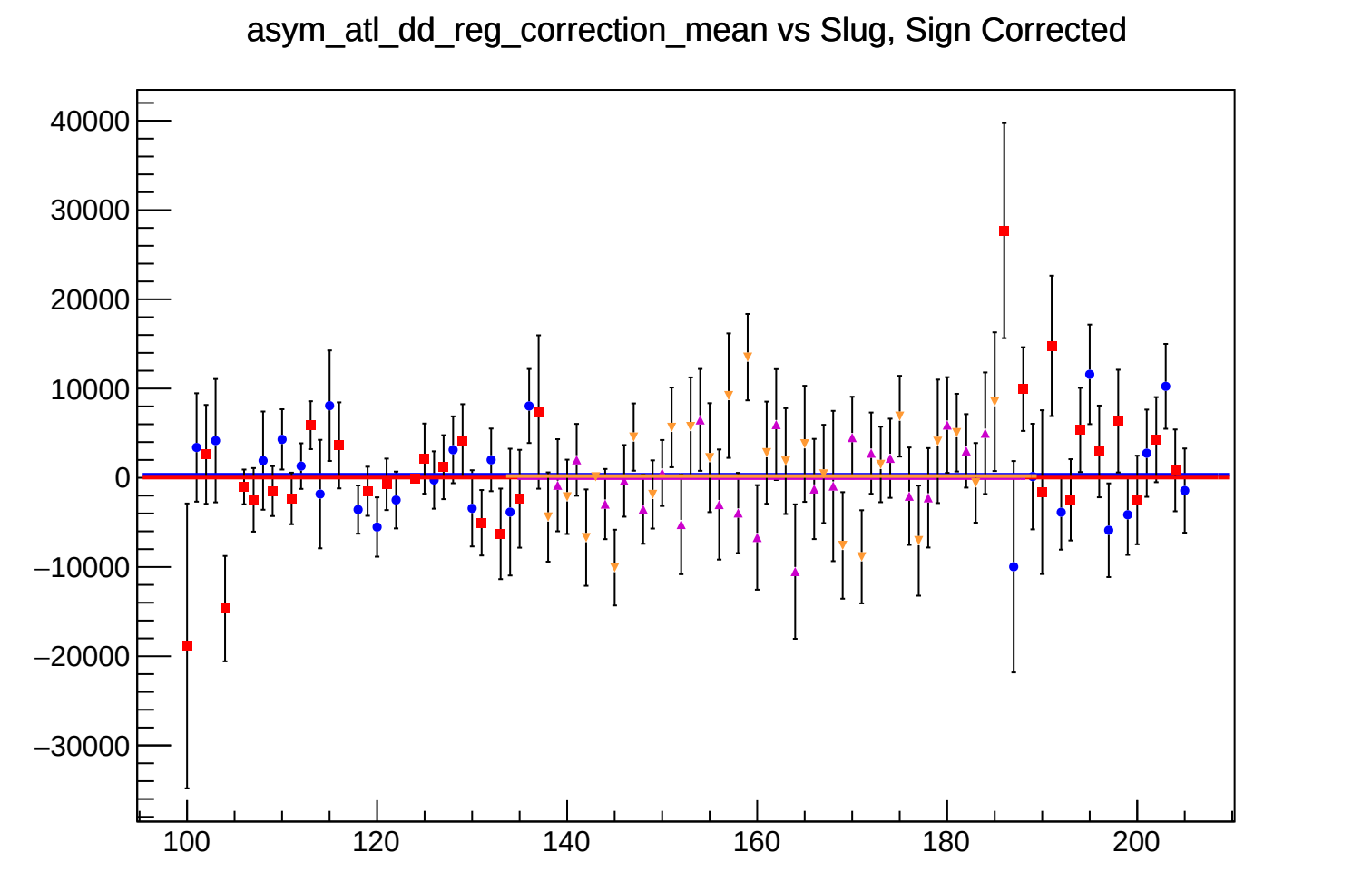
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1650.032+/-0.216 χ^2/NDF: 564967.9/54

In: 1665.363+/-0.207 χ^2/NDF:289113.9/47

Out: 1684.230+/-0.203 χ^2/NDF:871644.6/54

All: 1674.980+/-0.145 χ^2/NDF: 1164982.1/10



Right In: 340.367+/-837.951 χ^2/NDF: 28.2/24

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 21.765+/-317.557 χ^2/NDF: 38.5/29

Left In: -28.728+/-1025.481 χ^2/NDF:13.3/22

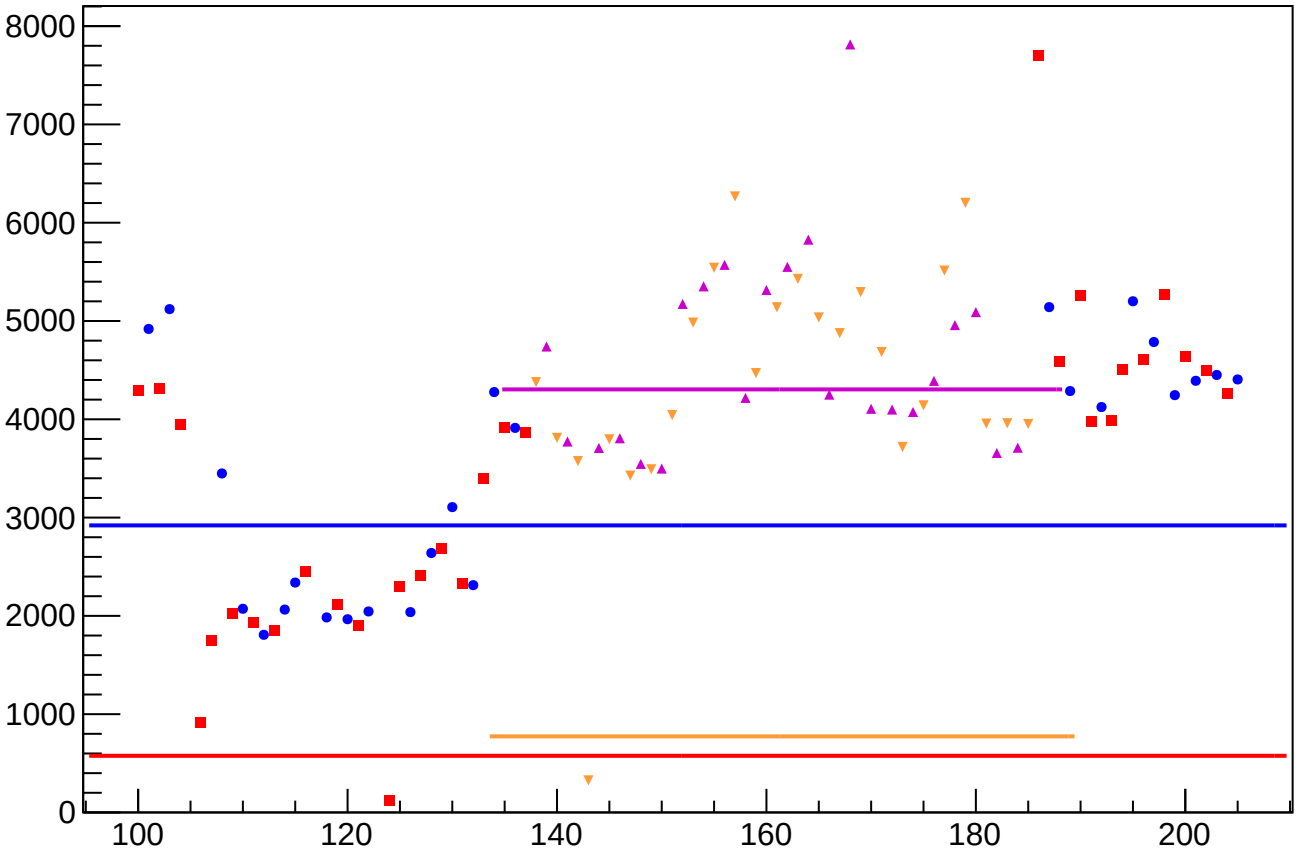
Left: 171.127+/-325.399 χ^2/NDF: 47.2/47

Right: 61.776+/-296.949 χ^2/NDF: 66.9/54

In: 192.592+/-648.873 χ^2/NDF:41.6/47

Out: 100.996+/-233.064 χ^2/NDF:72.6/54

All: 111.463+/-219.344 χ^2/NDF: 114.1/102



Right In: 2920.397+/-0.593 χ^2/NDF: 3658107.2/24

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 576.453+/-0.225 χ^2/NDF: 23646390.4/29

Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

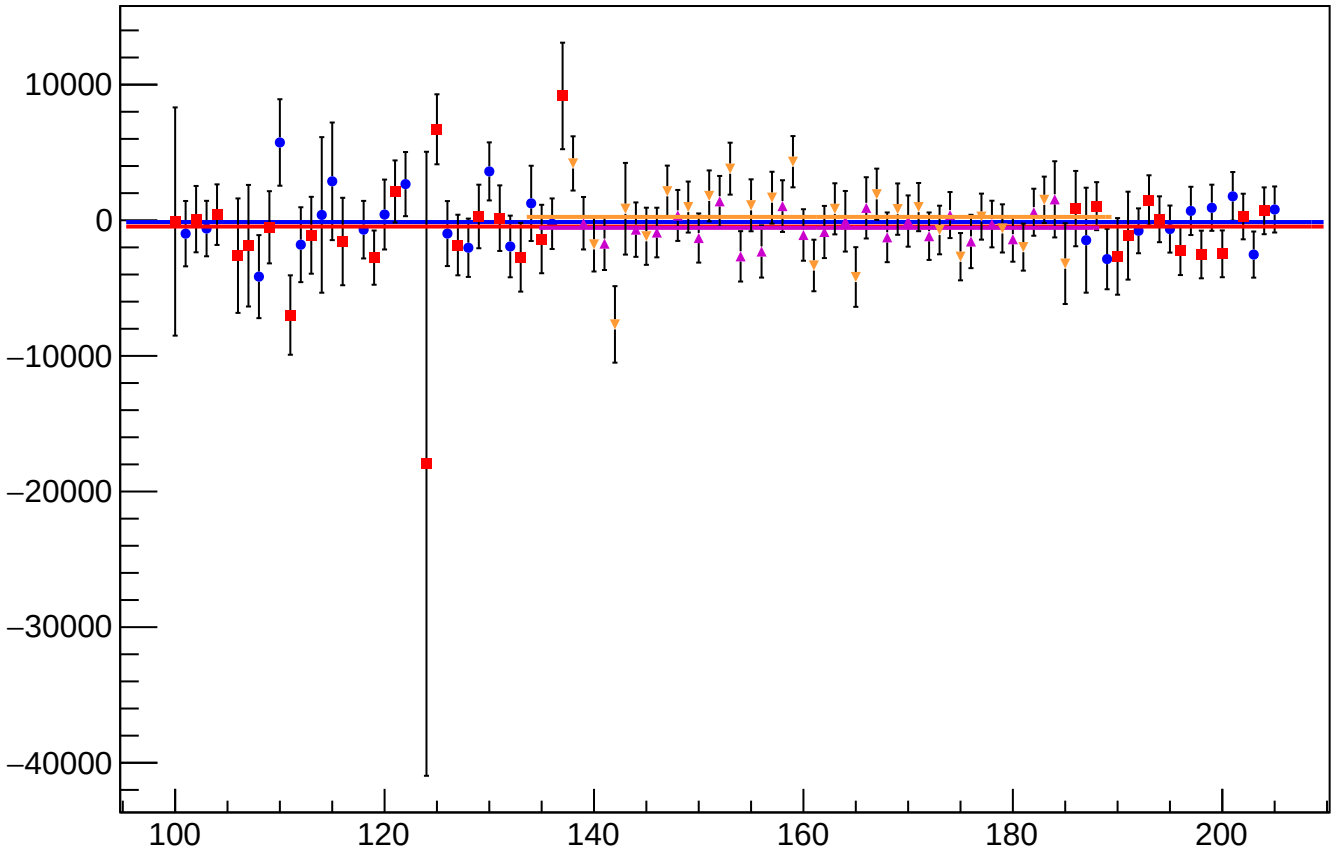
Left: 1129.637+/-0.230 χ^2/NDF: 50611957.4/47

Right: 870.810+/-0.210 χ^2/NDF: 40988278.9/54

In: 3474.356+/-0.459 χ^2/NDF:7057836.8/47

Out: 667.698+/-0.165 χ^2/NDF:52089888.6/54

All: 988.416+/-0.155 χ^2/NDF: 92290647.0/10



Right In: -129.166+/-437.133 χ^2/NDF: 18.4/24

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -463.093+/-427.858 χ^2/NDF: 31.2/29

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

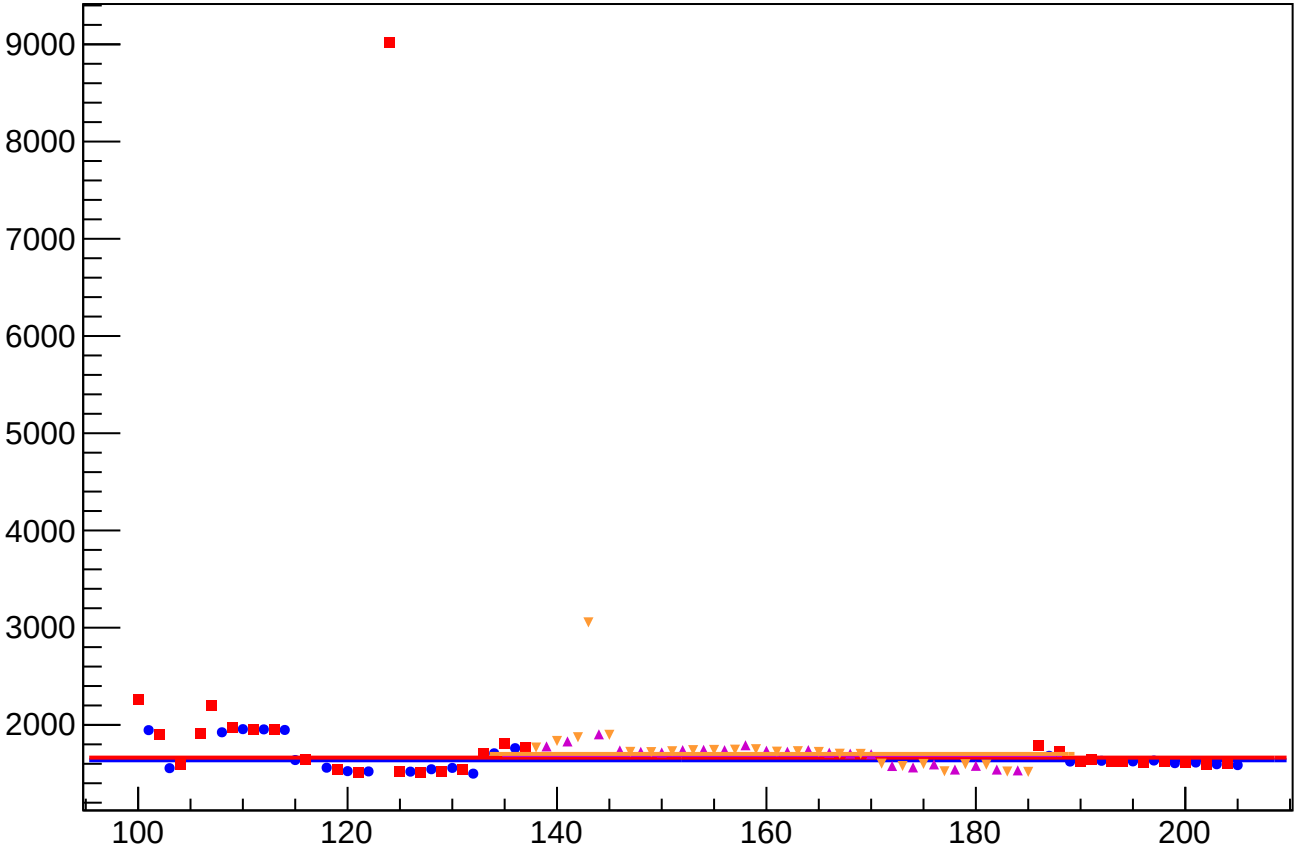
Right: -299.709+/-305.768 χ^2/NDF: 49.9/54

In: -366.259+/-293.119 χ^2/NDF:26.4/47

Out: -73.521+/-287.754 χ^2/NDF:72.3/54

All: -217.186+/-205.343 χ^2/NDF: 99.2/102

cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1663.657+/-0.302 χ^2/NDF: 412492.5/29

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

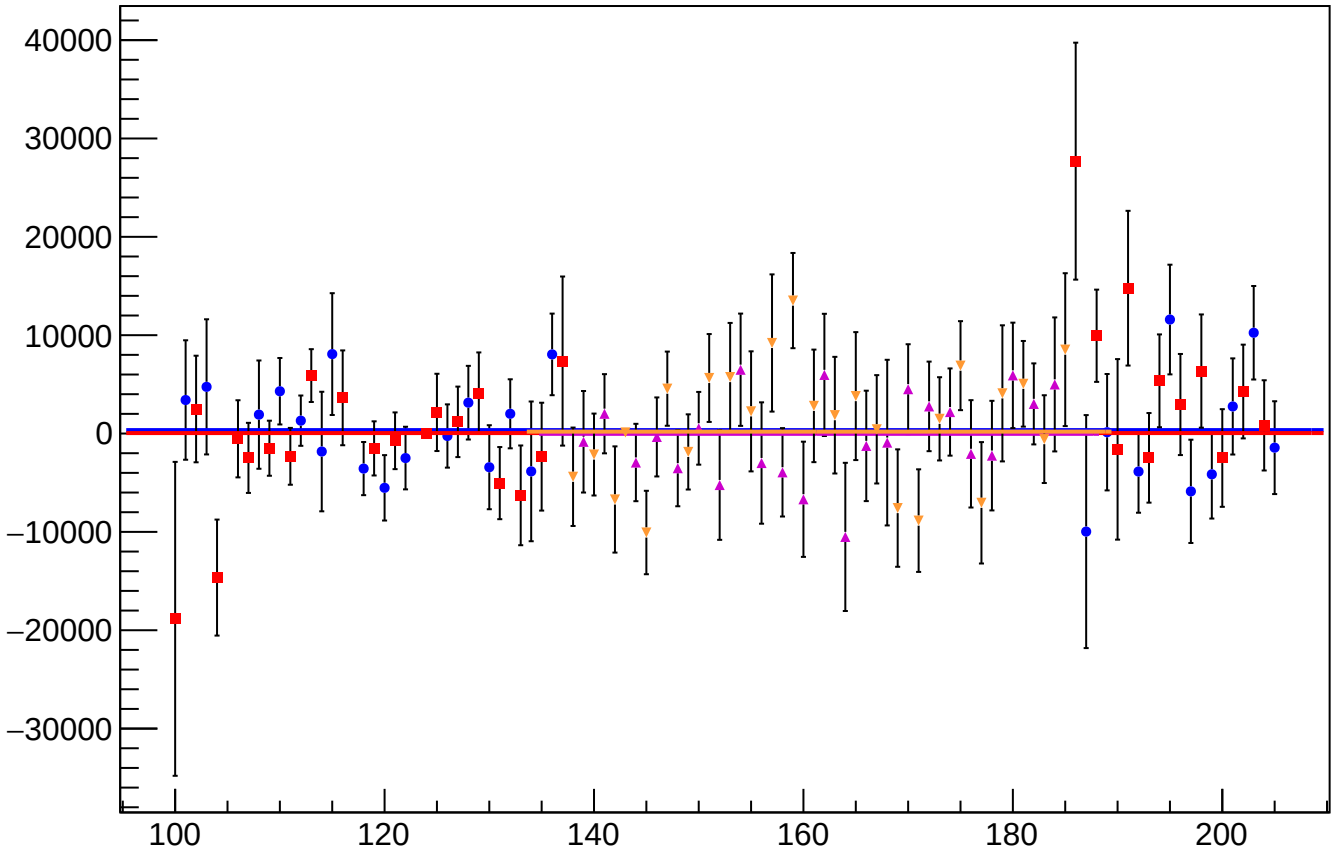
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1650.207+/-0.216 χ^2/NDF: 567082.1/54

In: 1665.363+/-0.207 χ^2/NDF:289114.0/47

Out: 1684.393+/-0.203 χ^2/NDF:873495.7/54

All: 1675.062+/-0.145 χ^2/NDF: 1166905.8/10



Right In: 349.959+/-837.873 χ^2/NDF: 28.3/24

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 47.013+/-310.035 χ^2/NDF: 38.2/29

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

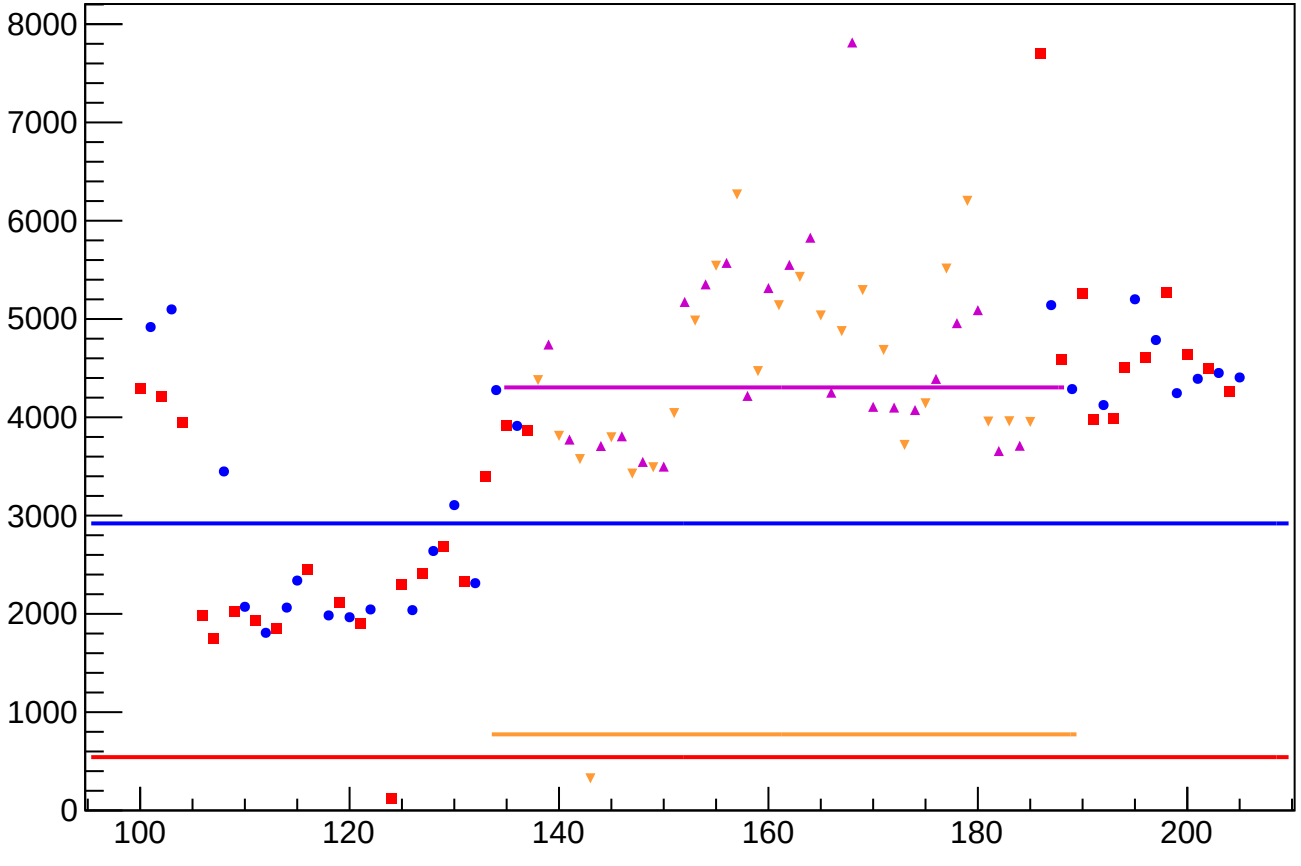
Right: 83.497+/-290.768 χ^2/NDF: 66.7/54

In: 198.345+/-648.836 χ^2/NDF:41.7/47

Out: 113.045+/-230.034 χ^2/NDF:72.2/54

All: 122.569+/-216.811 χ^2/NDF: 113.9/102

asym_atl_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 2920.431+/-0.592 χ^2/NDF: 3656191.6/24

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 542.508+/-0.219 χ^2/NDF: 24178594.3/29

Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

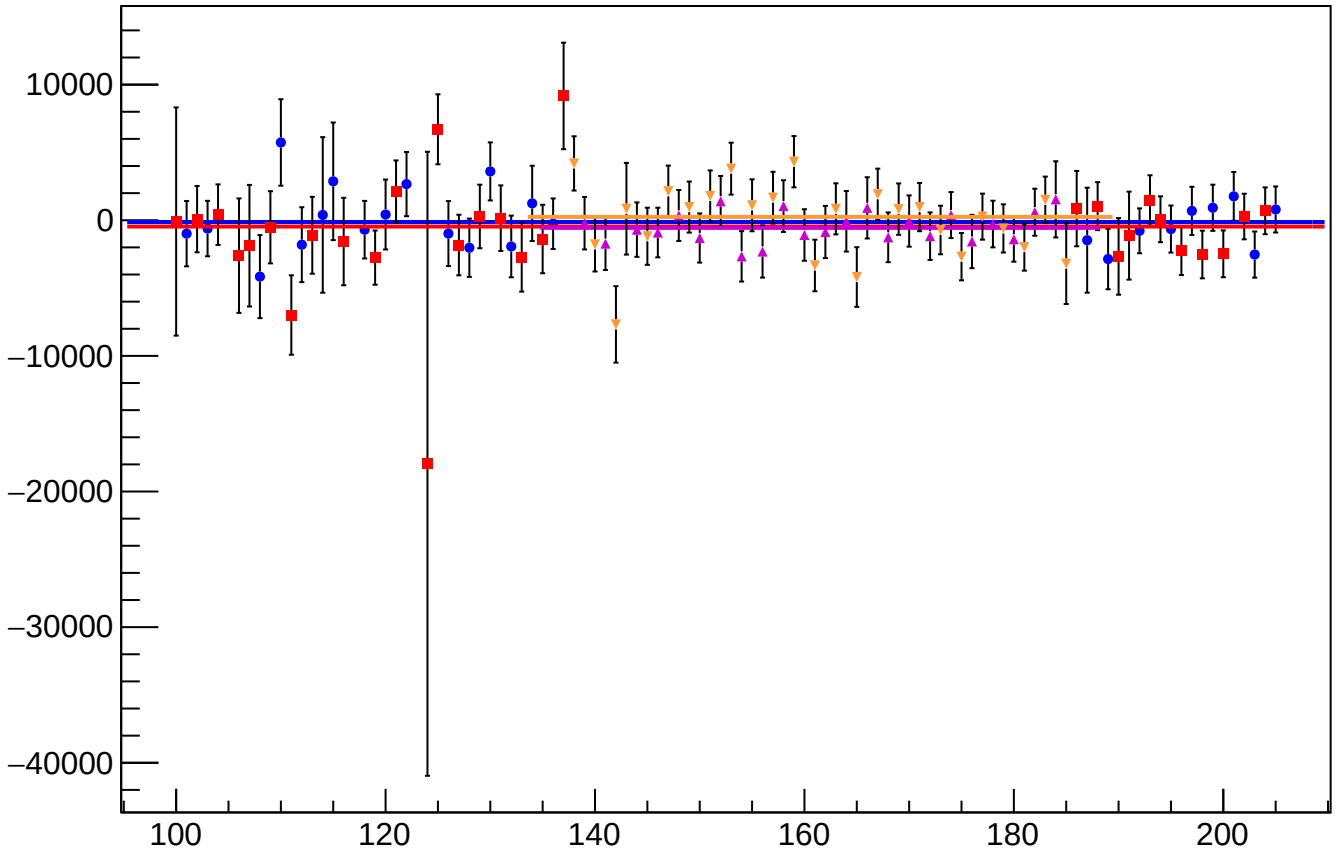
Left: 1129.512+/-0.230 χ^2/NDF: 50614177.8/47

Right: 828.882+/-0.206 χ^2/NDF: 42003806.7/54

In: 3474.313+/-0.459 χ^2/NDF:7055956.4/47

Out: 646.627+/-0.163 χ^2/NDF:52766860.4/54

All: 962.363+/-0.153 χ^2/NDF: 93567253.9/10



Right In: -129.166+/-437.133 χ^2/NDF: 18.4/24

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: -463.093+/-427.858 χ^2/NDF: 31.2/29

Left In: -559.960+/-395.112 χ^2/NDF:7.5/22

Left: -149.393+/-277.138 χ^2/NDF: 49.2/47

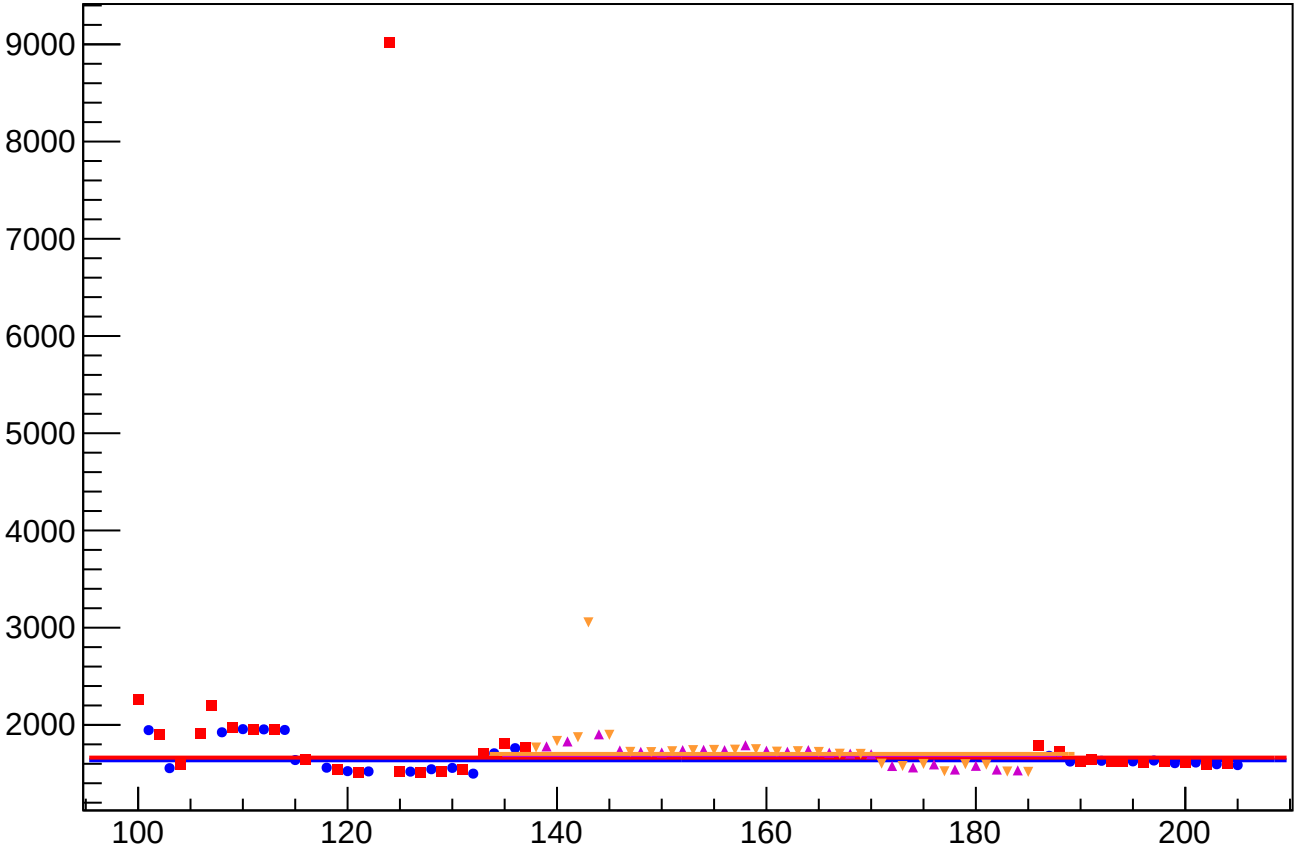
Right: -299.709+/-305.768 χ^2/NDF: 49.9/54

In: -366.259+/-293.119 χ^2/NDF:26.4/47

Out: -73.521+/-287.754 χ^2/NDF:72.3/54

All: -217.186+/-205.343 χ^2/NDF: 99.2/102

eigen_cor_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1663.657+/-0.302 χ^2/NDF: 412492.5/29

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

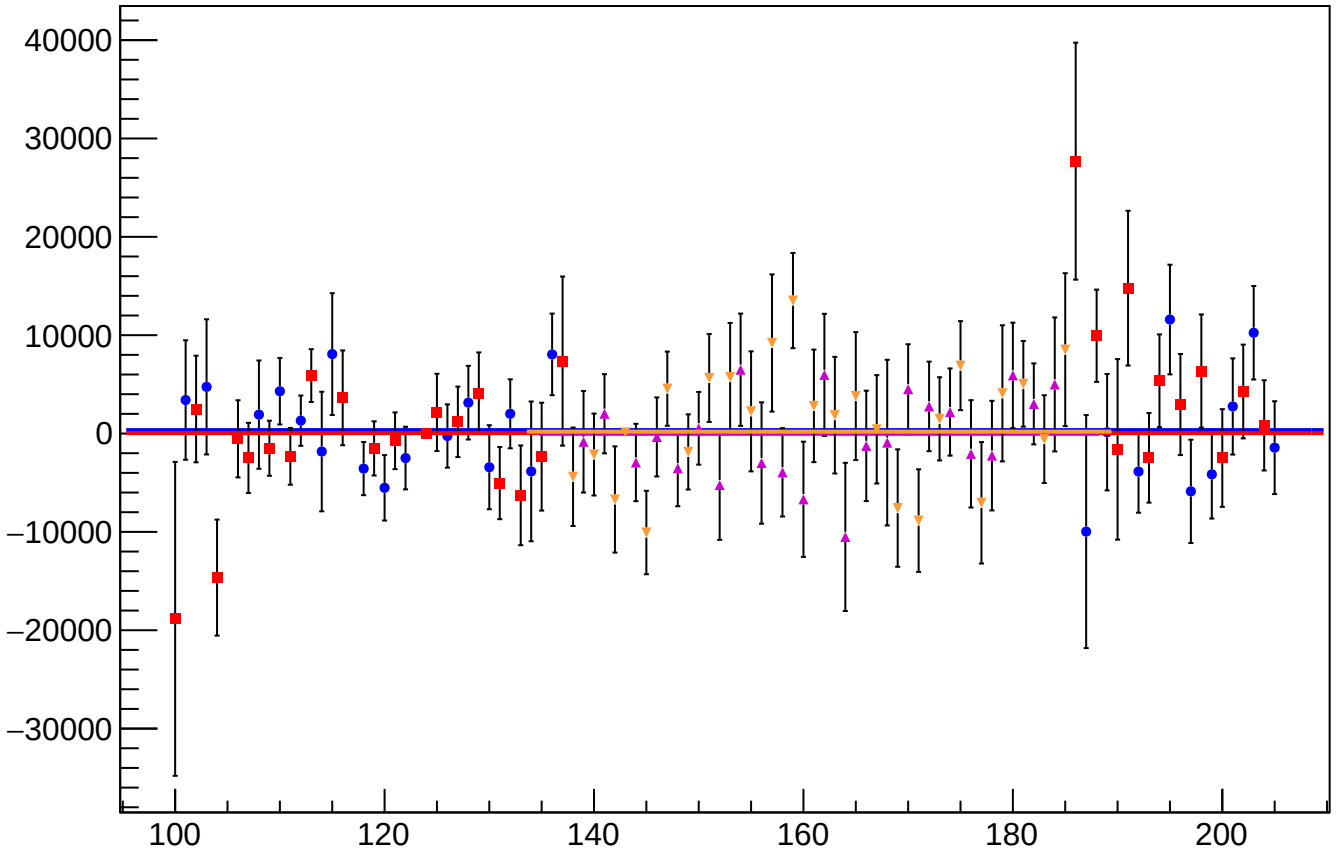
Left: 1695.520+/-0.196 χ^2/NDF: 575685.4/47

Right: 1650.207+/-0.216 χ^2/NDF: 567082.1/54

In: 1665.363+/-0.207 χ^2/NDF:289114.0/47

Out: 1684.393+/-0.203 χ^2/NDF:873495.7/54

All: 1675.062+/-0.145 χ^2/NDF: 1166905.8/10



Right In: 349.959+/-837.873 χ^2/NDF: 28.3/24

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 47.013+/-310.035 χ^2/NDF: 38.2/29

Left In: -28.766+/-1025.480 χ^2/NDF:13.3/22

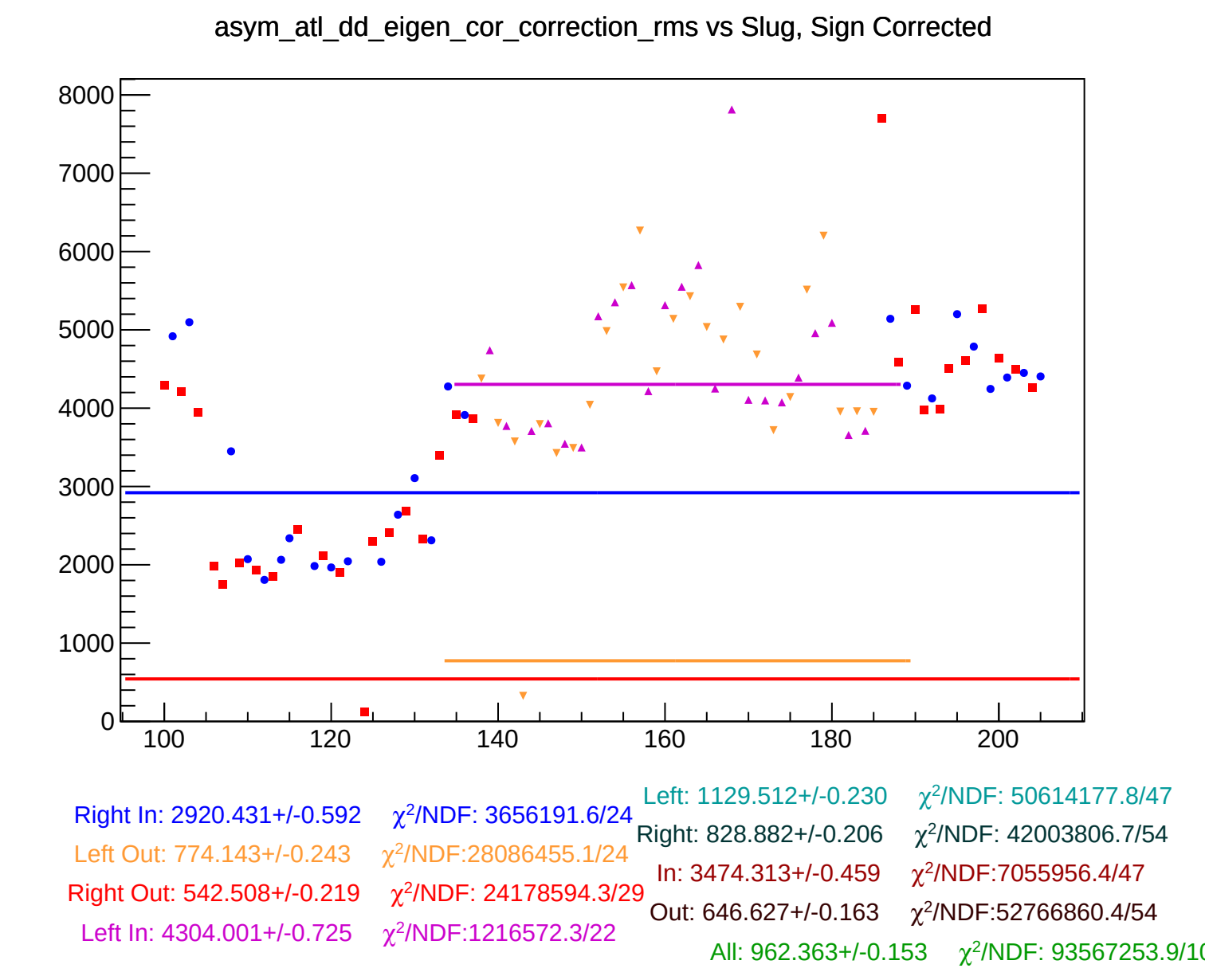
Left: 171.497+/-325.378 χ^2/NDF: 47.2/47

Right: 83.497+/-290.768 χ^2/NDF: 66.7/54

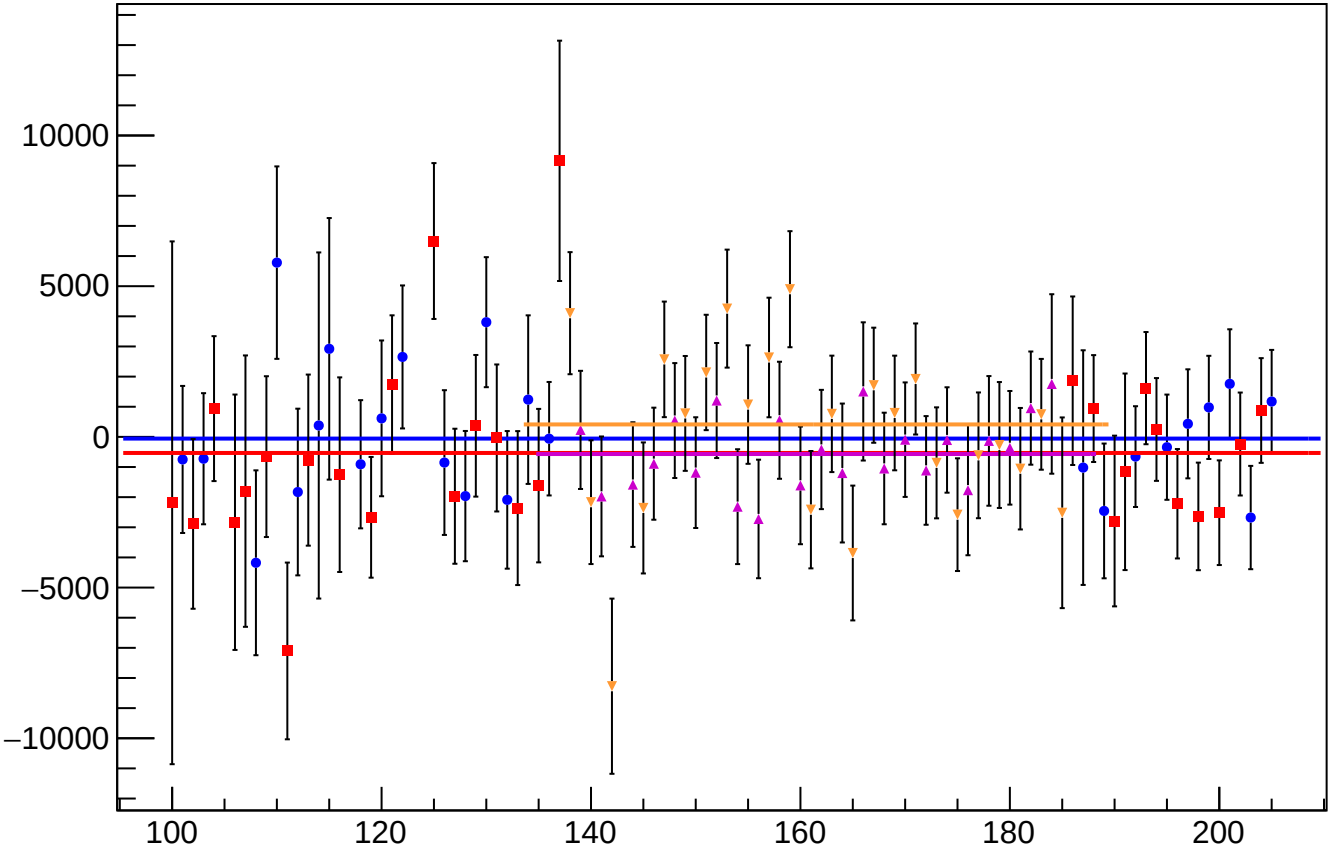
In: 198.345+/-648.836 χ^2/NDF:41.7/47

Out: 113.045+/-230.034 χ^2/NDF:72.2/54

All: 122.569+/-216.811 χ^2/NDF: 113.9/102


asym_atl_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
8000
7000
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 2920.431+/-0.592 χ²/NDF: 3656191.6/24
Left Out: 774.143+/-0.243 χ²/NDF:28086455.1/24
Right Out: 542.508+/-0.219 χ²/NDF: 24178594.3/29
Left In: 4304.001+/-0.725 χ²/NDF:1216572.3/22
Left: 1129.512+/-0.230 χ²/NDF: 50614177.8/47
Right: 828.882+/-0.206 χ²/NDF: 42003806.7/54
In: 3474.313+/-0.459 χ²/NDF:7055956.4/47
Out: 646.627+/-0.163 χ²/NDF:52766860.4/54
All: 962.363+/-0.153 χ²/NDF: 93567253.9/10

dit_asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -56.565+/-441.274 χ^2/NDF: 18.5/24

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: -533.519+/-433.476 χ^2/NDF: 31.2/28

Left In: -568.823+/-412.052 χ^2/NDF:7.7/22

Left: -75.946+/-290.827 χ^2/NDF: 50.6/46

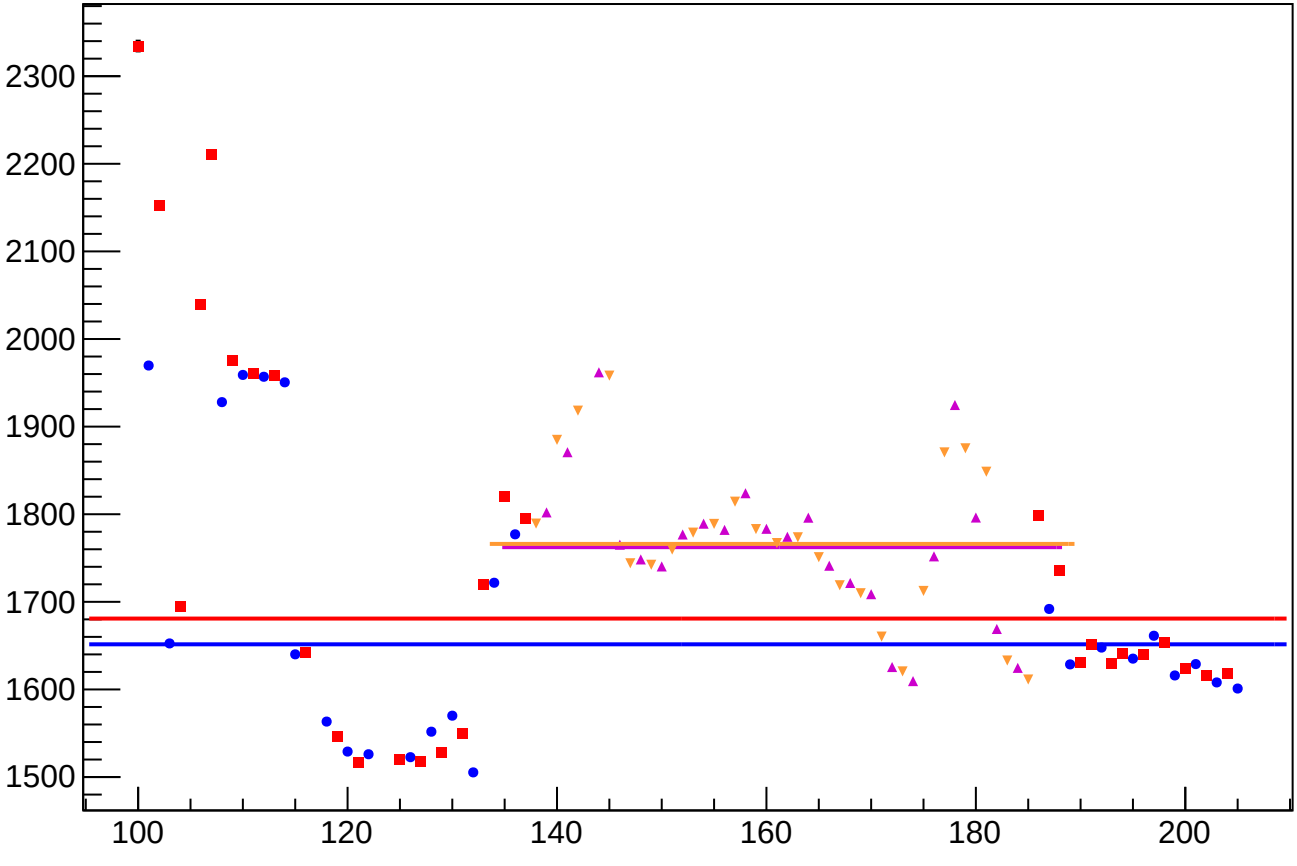
Right: -299.293+/-309.234 χ^2/NDF: 50.3/53

In: -330.215+/-301.166 χ^2/NDF:27.0/47

Out: -34.389+/-298.073 χ^2/NDF:73.7/52

All: -180.775+/-211.854 χ^2/NDF: 101.1/100

dit_asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 1651.518+/-0.312 χ^2/NDF: 148255.0/24

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1680.906+/-0.306 χ^2/NDF: 252290.9/28

Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

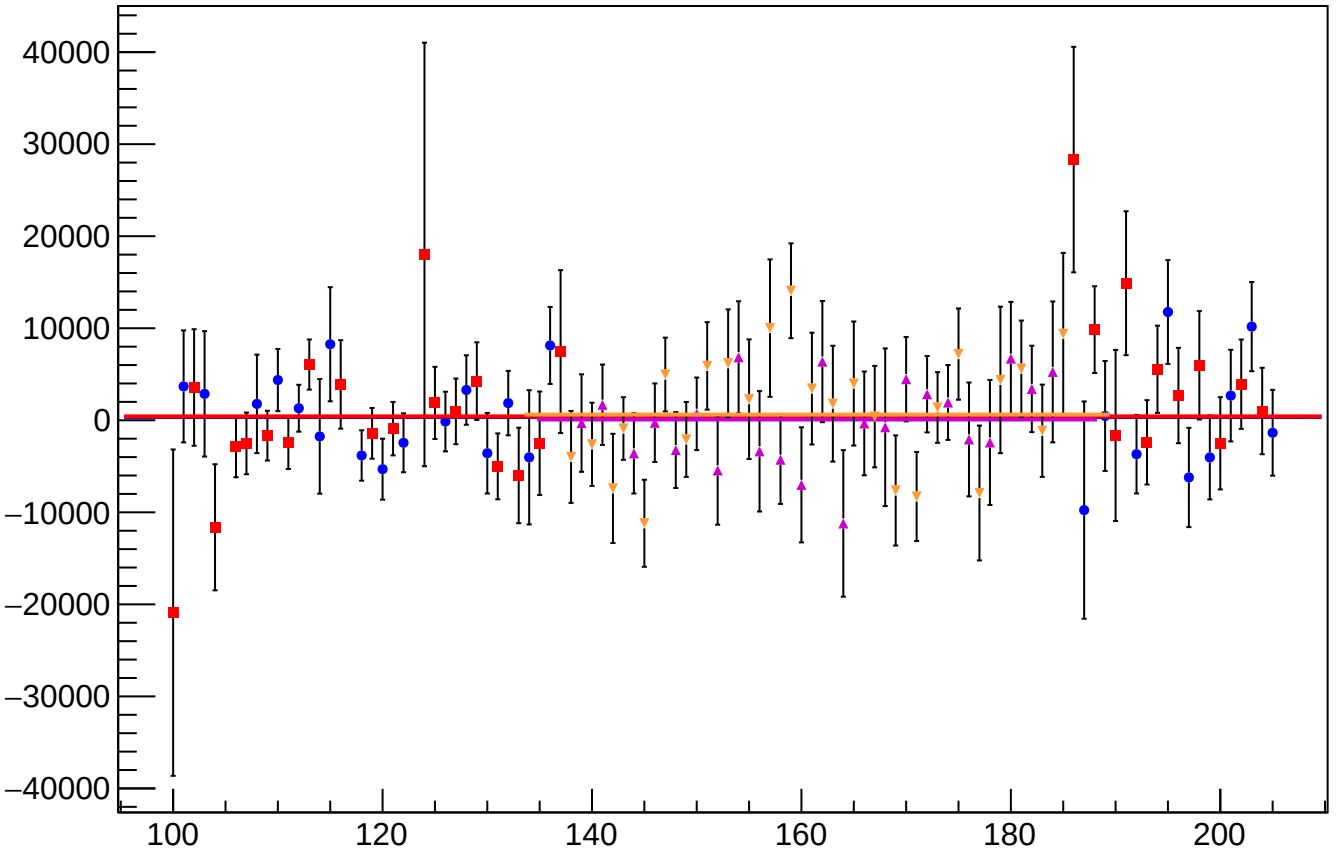
Left: 1764.267+/-0.206 χ^2/NDF: 163424.4/46

Right: 1666.489+/-0.219 χ^2/NDF: 405064.7/53

In: 1710.755+/-0.213 χ^2/NDF:295811.5/47

Out: 1725.780+/-0.211 χ^2/NDF:376328.0/52

All: 1718.349+/-0.150 χ^2/NDF: 674655.6/100



Right In: 355.536+/-842.895 χ^2/NDF: 27.9/24

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 422.417+/-779.623 χ^2/NDF: 36.1/29

Left In: 85.511+/-1082.508 χ^2/NDF:12.9/22

Left: 364.651+/-747.958 χ^2/NDF: 46.1/47

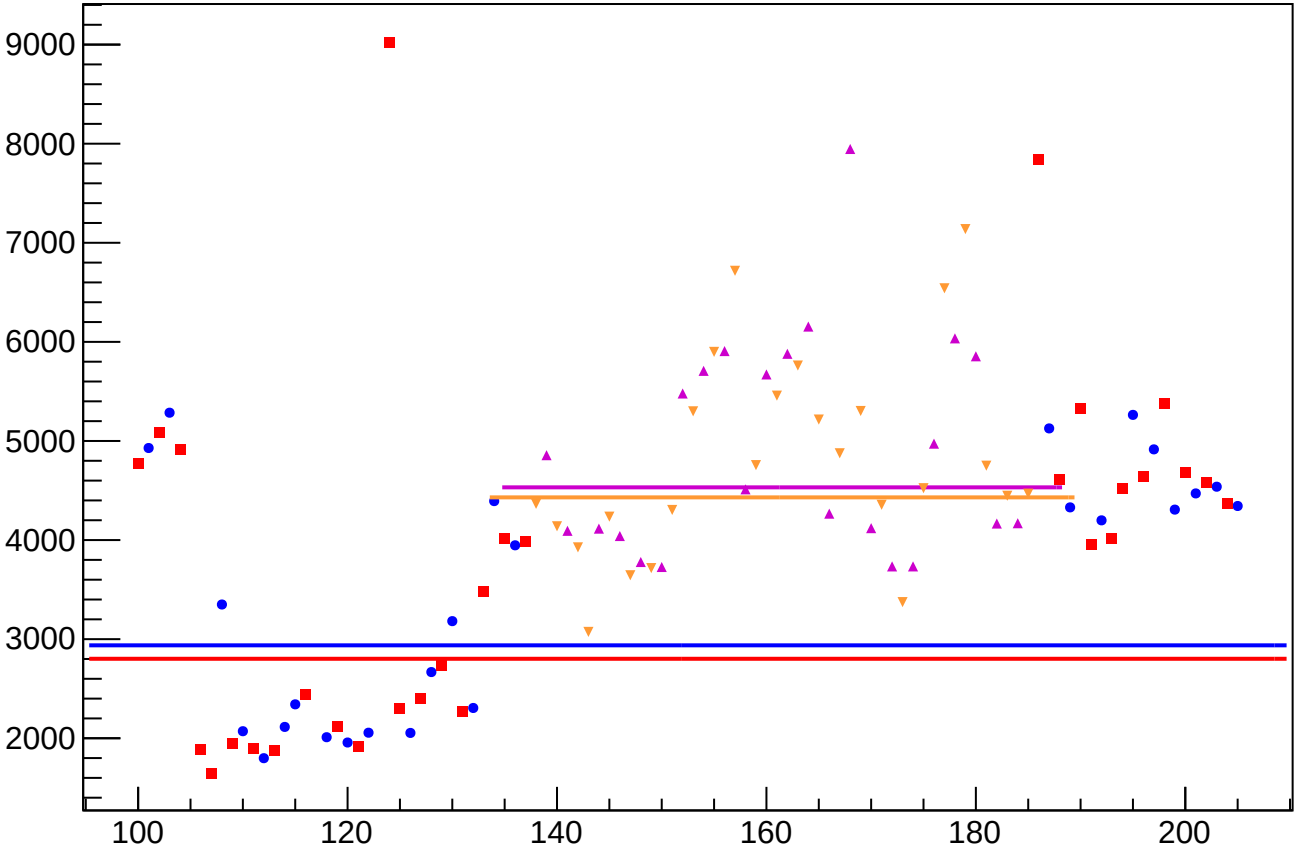
Right: 391.580+/-572.340 χ^2/NDF: 63.9/54

In: 253.615+/-665.060 χ^2/NDF:40.8/47

Out: 493.849+/-622.649 χ^2/NDF:69.2/54

All: 381.635+/-454.533 χ^2/NDF: 110.0/102

asym_atl_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 2937.711+/-0.596 χ^2/NDF: 3762615.2/24

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2801.992+/-0.551 χ^2/NDF: 4866572.0/29

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

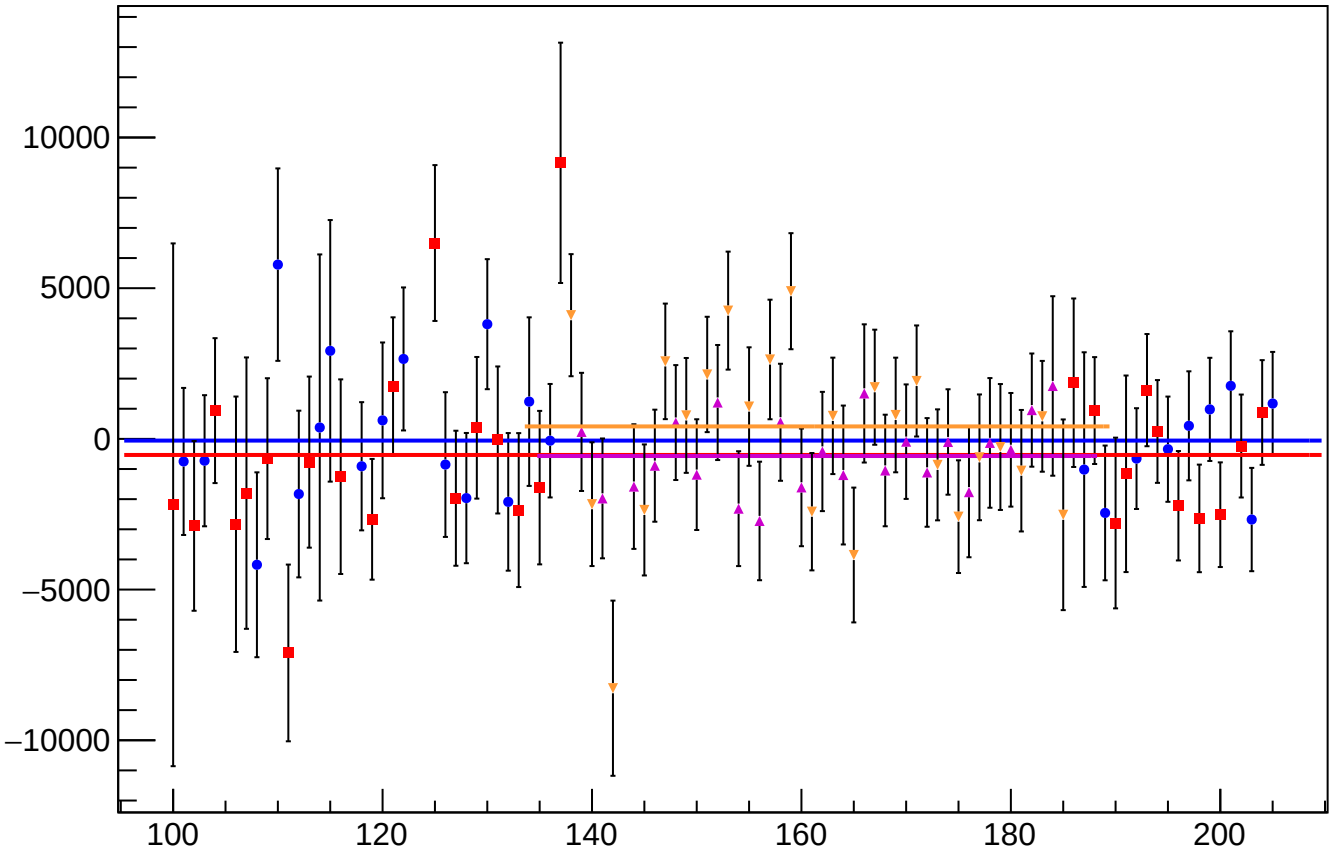
Left: 4479.085+/-0.529 χ^2/NDF: 2998869.7/47

Right: 2864.567+/-0.405 χ^2/NDF: 8657132.1/54

In: 3539.454+/-0.470 χ^2/NDF:7839595.0/47

Out: 3391.869+/-0.440 χ^2/NDF:9641325.3/54

All: 3460.806+/-0.321 χ^2/NDF: 17533405.8/1



Right In: -56.563+/-441.274 χ^2/NDF: 18.5/24

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: -533.520+/-433.476 χ^2/NDF: 31.2/28

Left In: -568.821+/-412.052 χ^2/NDF:7.7/22

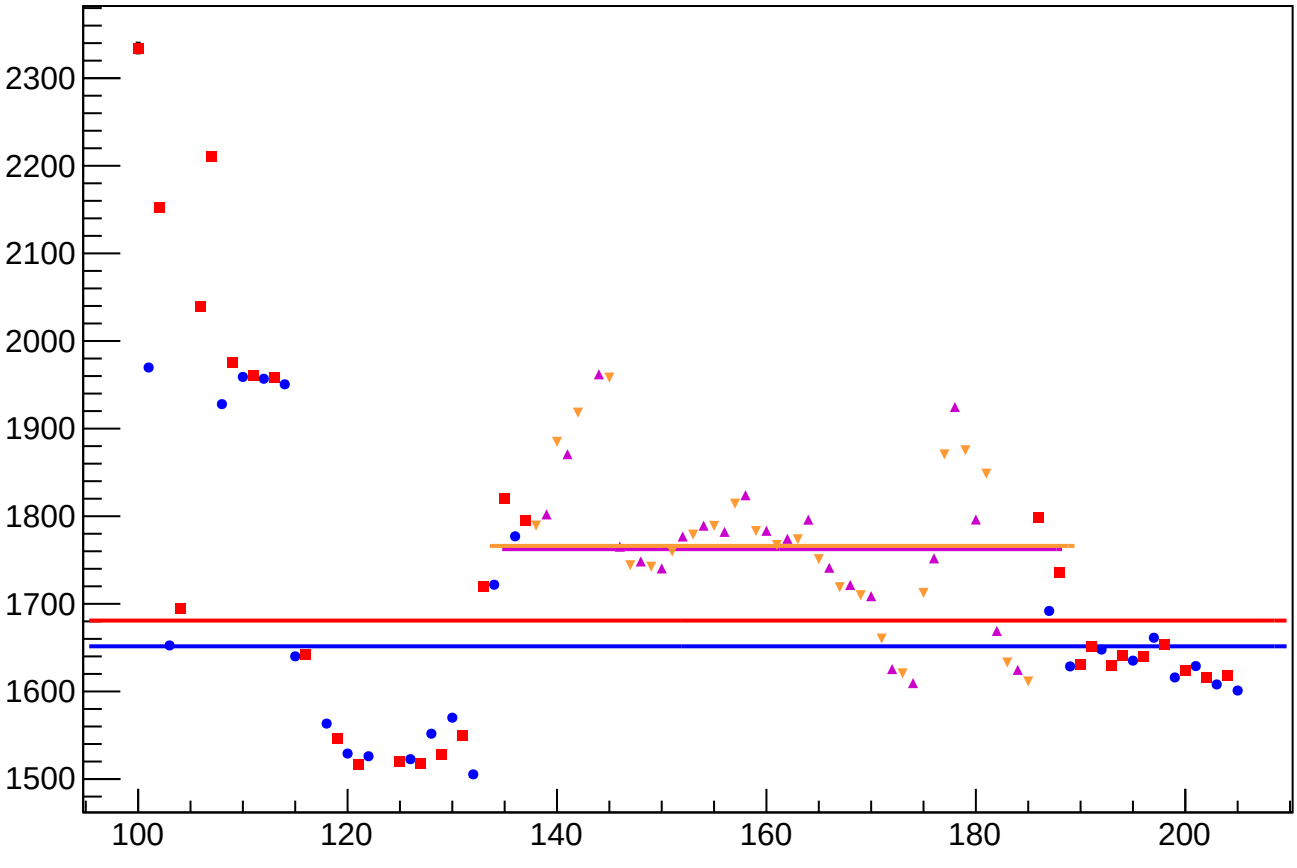
Left: -75.945+/-290.827 χ^2/NDF: 50.6/46

Right: -299.293+/-309.234 χ^2/NDF: 50.3/53

In: -330.214+/-301.166 χ^2/NDF:27.0/47

Out: -34.389+/-298.073 χ^2/NDF:73.7/52

All: -180.774+/-211.854 χ^2/NDF: 101.1/100



Right In: 1651.518+/-0.312 χ^2/NDF: 148255.0/24

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1680.906+/-0.306 χ^2/NDF: 252289.9/28

Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

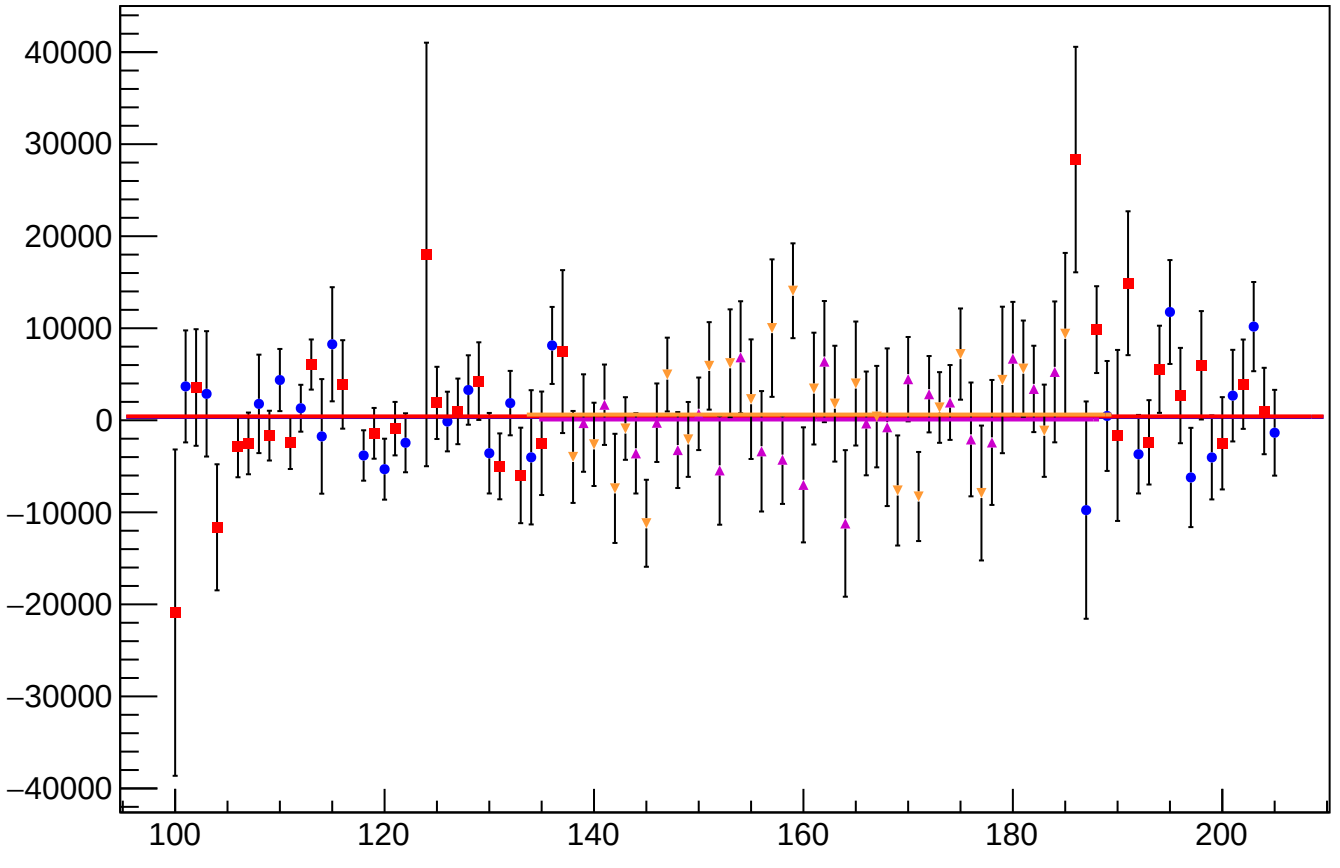
Left: 1764.268+/-0.206 χ^2/NDF: 163429.9/46

Right: 1666.489+/-0.219 χ^2/NDF: 405063.8/53

In: 1710.755+/-0.213 χ^2/NDF:295815.4/47

Out: 1725.781+/-0.211 χ^2/NDF:376330.9/52

All: 1718.349+/-0.150 χ^2/NDF: 674662.3/100



Right In: 355.529+/-842.893 χ^2/NDF: 27.9/24

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 422.411+/-779.622 χ^2/NDF: 36.1/29

Left In: 85.511+/-1082.509 χ^2/NDF:12.9/22

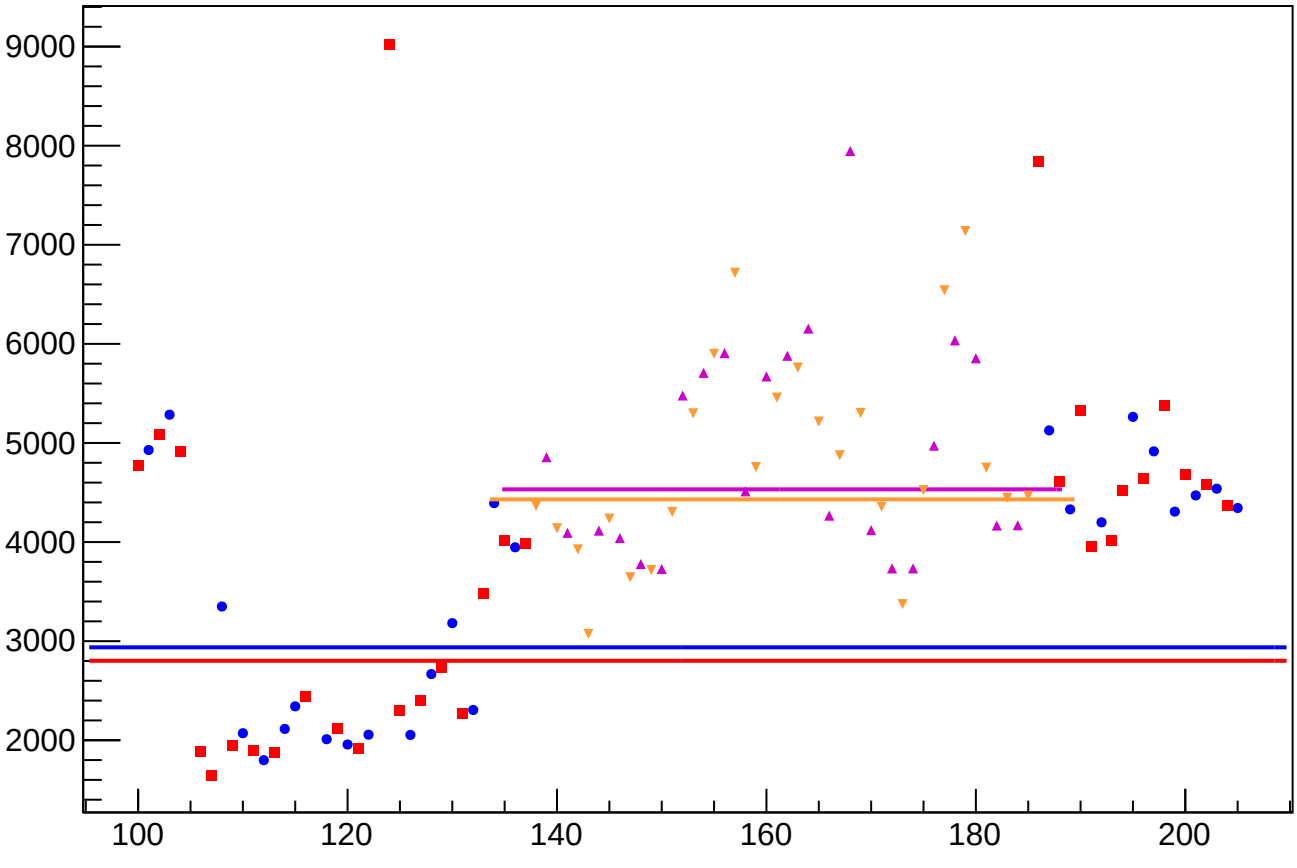
Left: 364.653+/-747.959 χ^2/NDF: 46.1/47

Right: 391.574+/-572.338 χ^2/NDF: 63.9/54

In: 253.612+/-665.059 χ^2/NDF:40.8/47

Out: 493.846+/-622.648 χ^2/NDF:69.2/54

All: 381.632+/-454.533 χ^2/NDF: 110.0/102



Right In: 2937.701+/-0.596 χ^2/NDF: 3762667.0/24

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 2801.983+/-0.551 χ^2/NDF: 4866616.8/29

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

Left: 4479.092+/-0.529 χ^2/NDF: 2998873.4/47

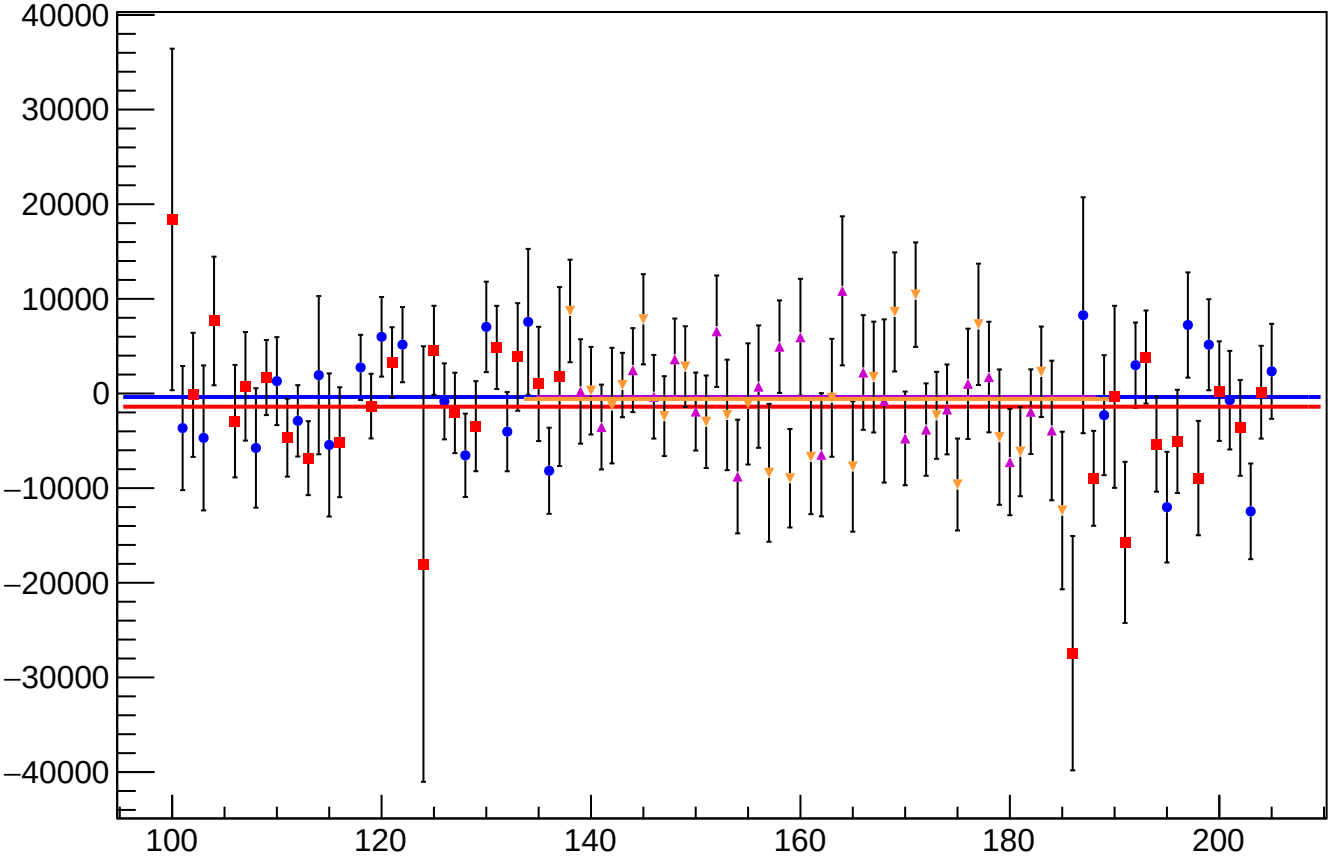
Right: 2864.558+/-0.405 χ^2/NDF: 8657228.3/54

In: 3539.447+/-0.470 χ^2/NDF:7839707.8/47

Out: 3391.863+/-0.440 χ^2/NDF:9641433.5/54

All: 3460.800+/-0.321 χ^2/NDF: 17533626.4/1

asym_atl_dd_mean vs Slug, Sign Corrected



Right In: -372.650+/-1000.710 χ^2/NDF: 30.9/24

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -1395.470+/-961.852 χ^2/NDF: 27.6/29

Left In: -398.404+/-1109.490 χ^2/NDF:14.0/22

Left: -490.172+/-764.473 χ^2/NDF: 42.8/47

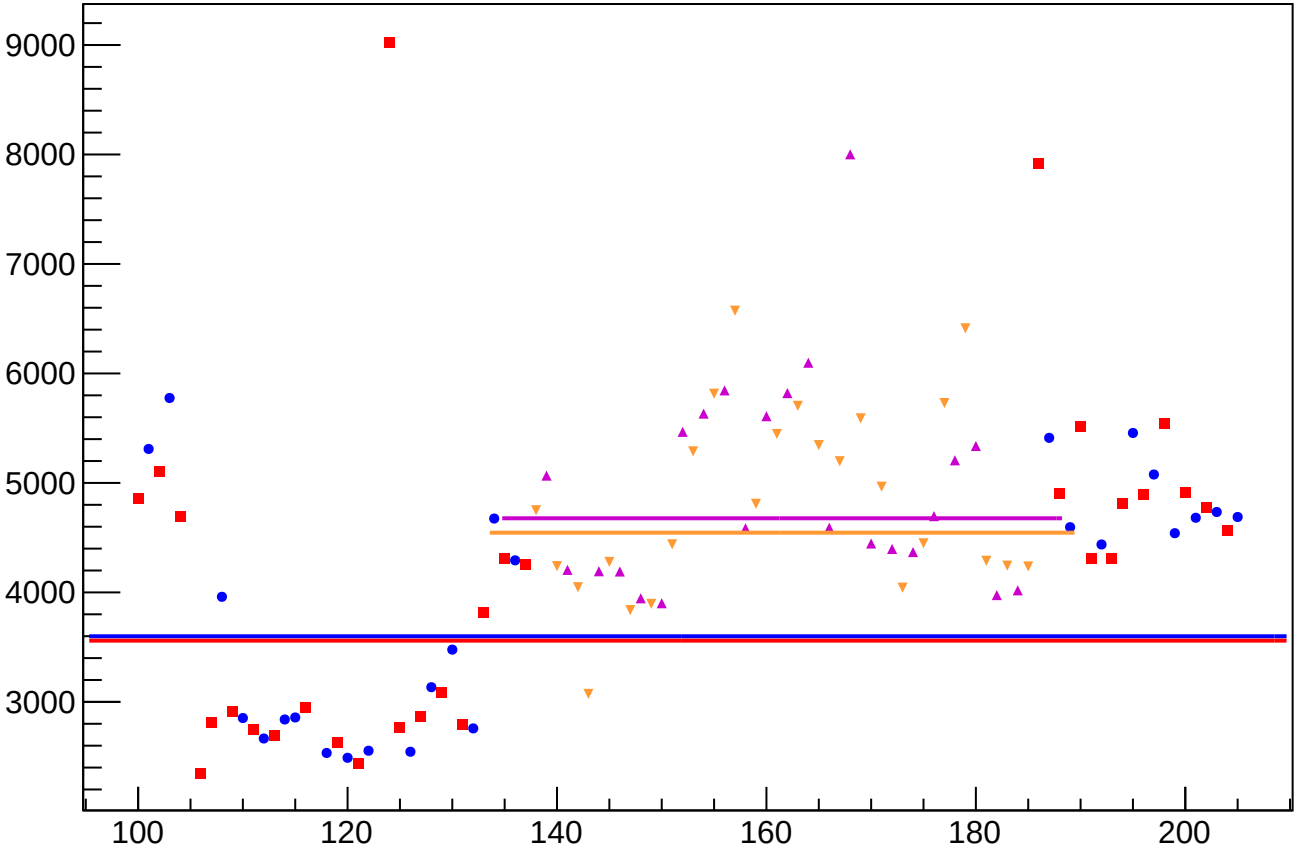
Right: -904.303+/-693.463 χ^2/NDF: 59.0/54

In: -384.203+/-743.099 χ^2/NDF:44.9/47

Out: -1022.131+/-710.736 χ^2/NDF:56.7/54

All: -717.361+/-513.626 χ^2/NDF: 102.0/102

asym_atl_dd_rms vs Slug, Sign Corrected



Right In: 3599.224+/-0.708 χ^2/NDF: 2173296.3/24

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

Right Out: 3559.557+/-0.674 χ^2/NDF: 2617158.6/29

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

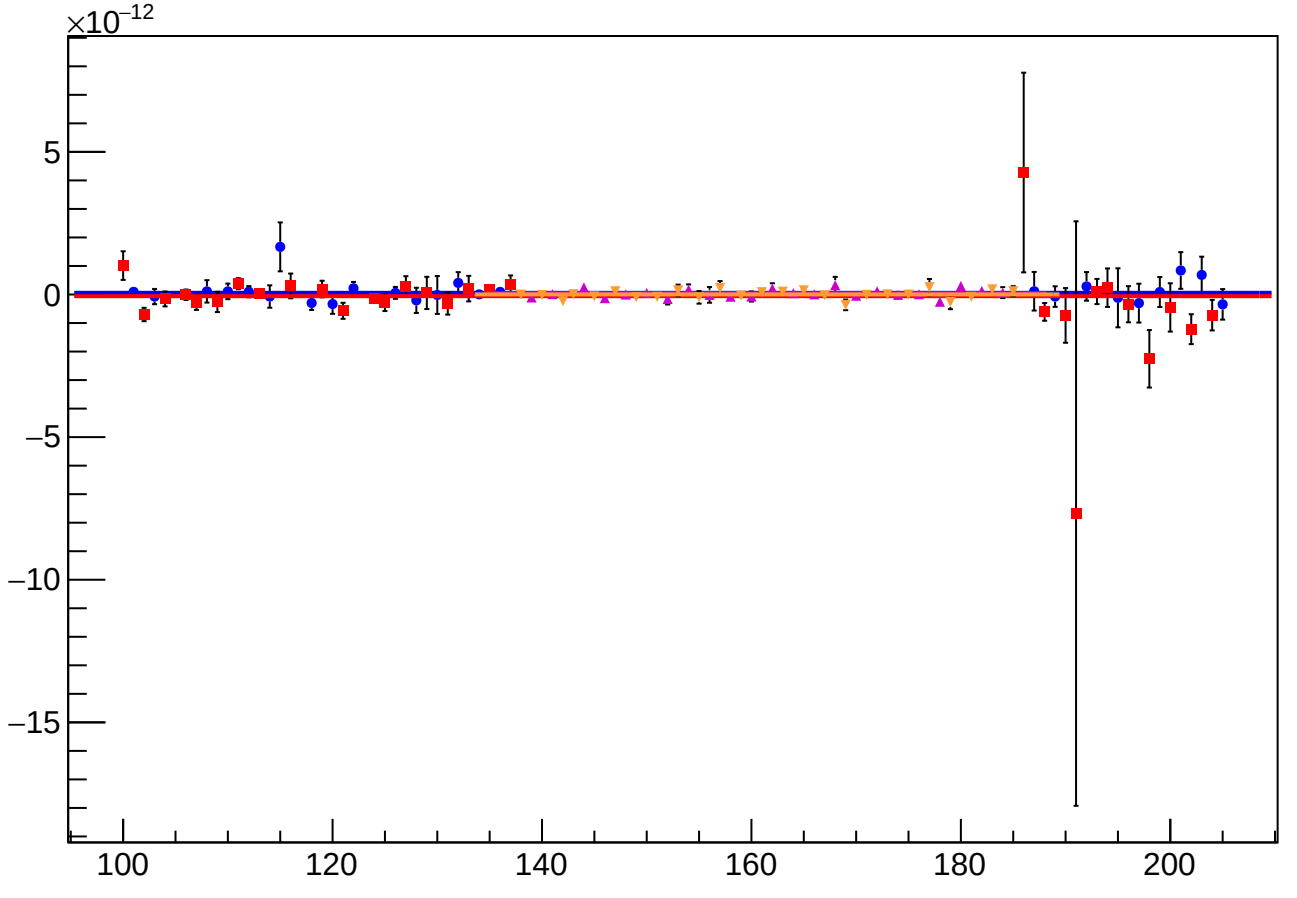
Left: 4607.951+/-0.541 χ^2/NDF: 2233183.6/47

Right: 3578.418+/-0.488 χ^2/NDF: 4792103.1/54

In: 4082.722+/-0.525 χ^2/NDF:4173958.2/47

Out: 4002.531+/-0.500 χ^2/NDF:4837915.3/54

All: 4040.634+/-0.362 χ^2/NDF: 9024097.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 13.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 48.3/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

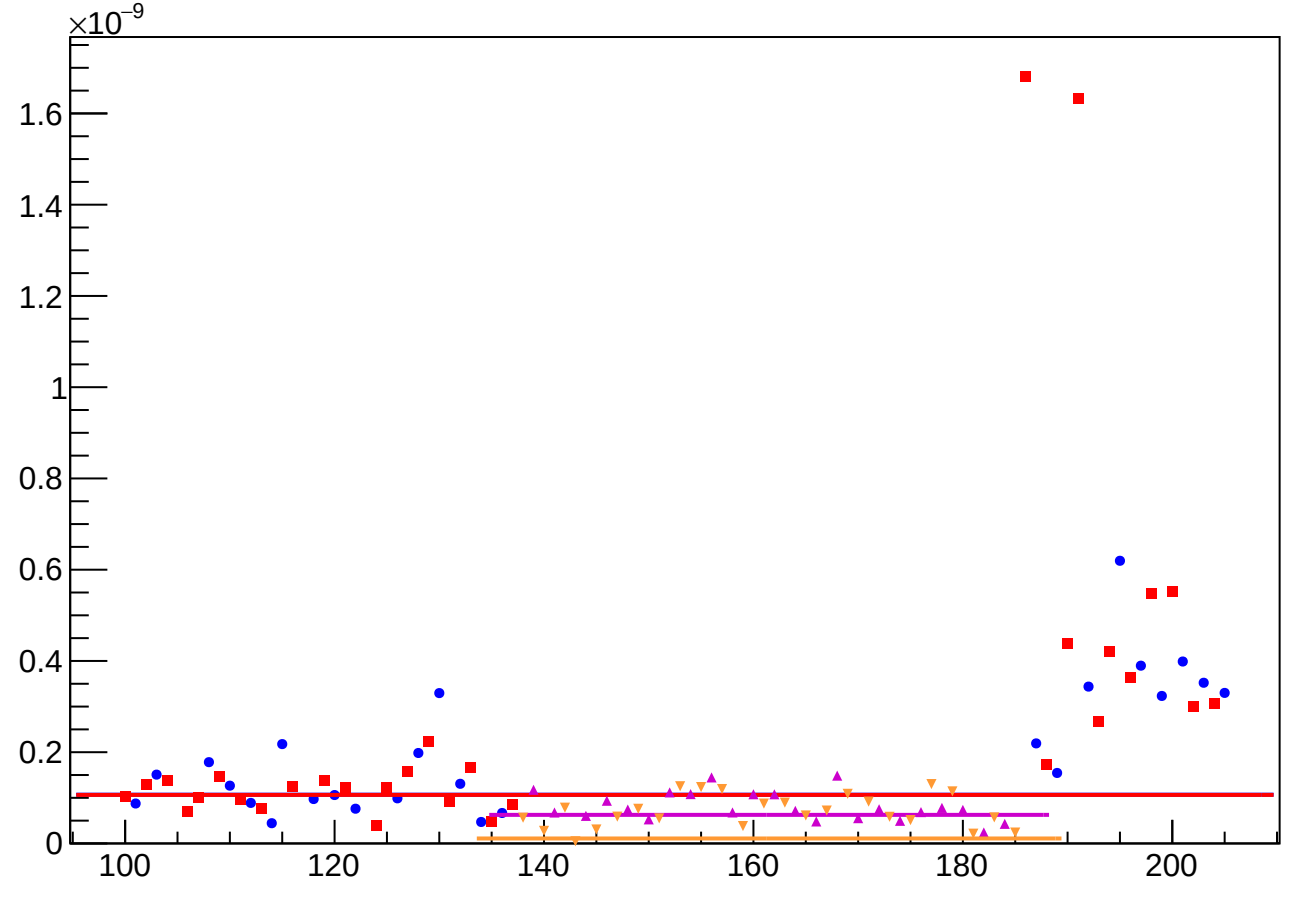
Left: 0.000+/-0.000 χ^2/NDF: 40.9/47

Right: -0.000+/-0.000 χ^2/NDF: 63.7/54

In: 0.000+/-0.000 χ^2/NDF:33.7/47

Out: 0.000+/-0.000 χ^2/NDF:67.8/54

All: 0.000+/-0.000 χ^2/NDF: 104.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 3911653.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4525286.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

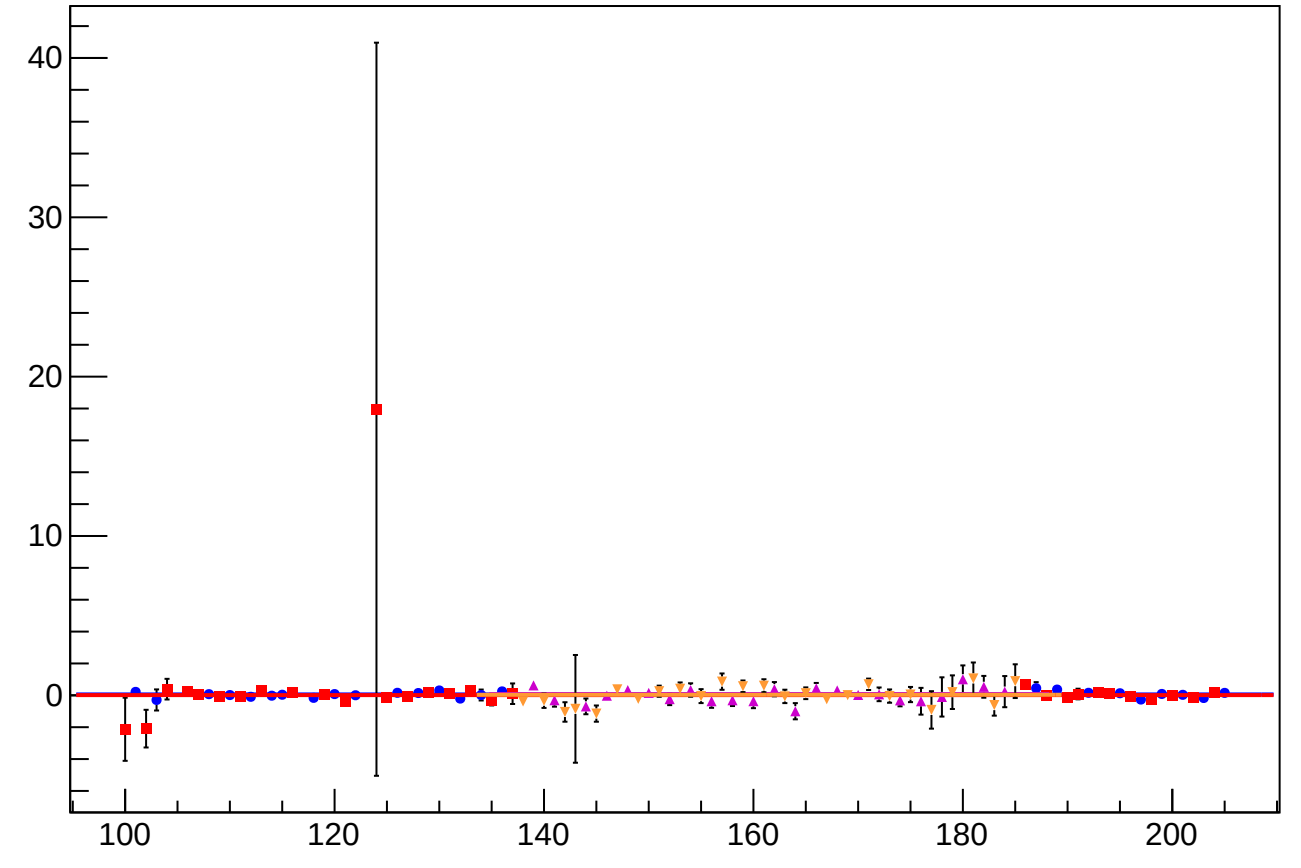
Left: 0.000+/-0.000 χ^2/NDF: 18964164.6/47

Right: 0.000+/-0.000 χ^2/NDF: 8437009.4/54

In: 0.000+/-0.000 χ^2/NDF:7090187.1/47

Out: 0.000+/-0.000 χ^2/NDF:20508556.7/54

All: 0.000+/-0.000 χ^2/NDF: 38412764.6/102



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

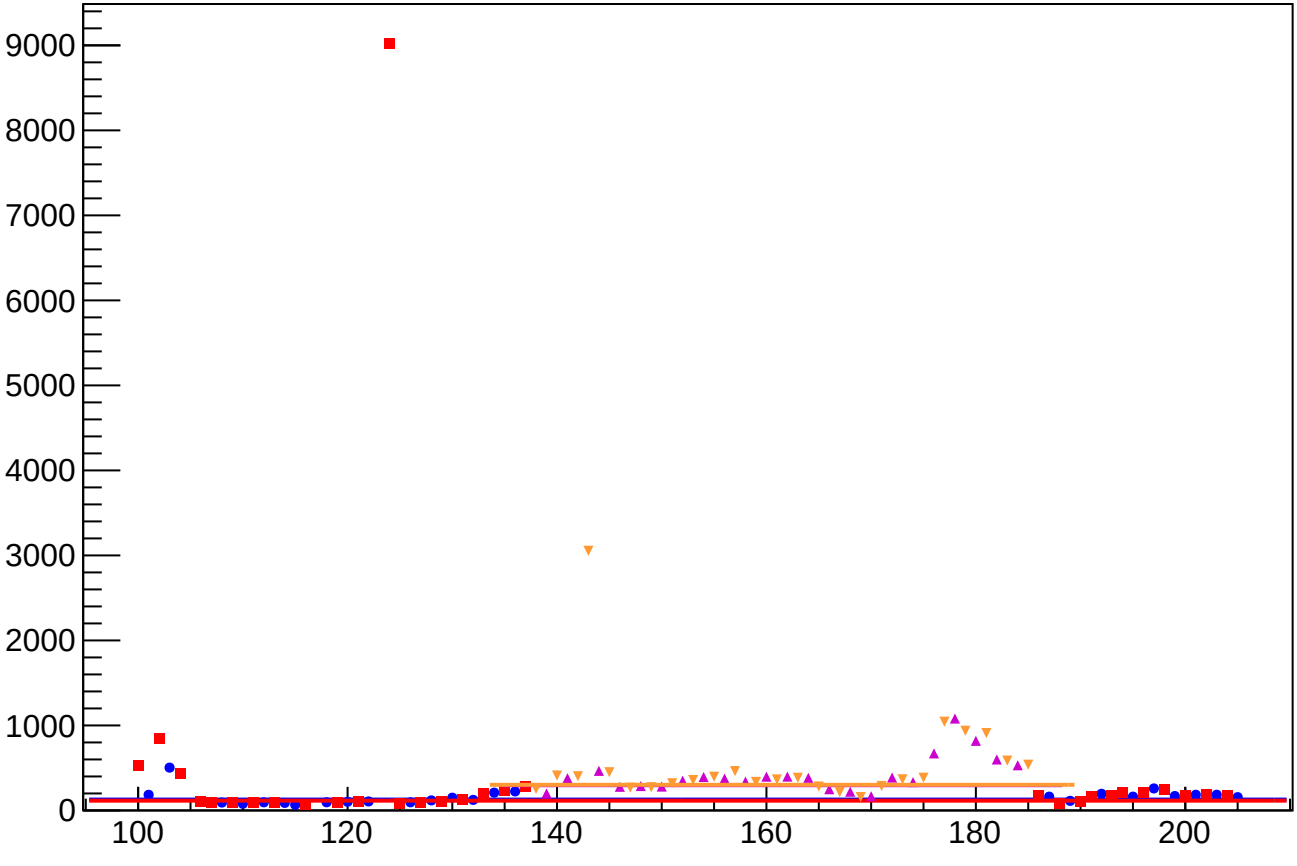
Right: 0.033+/-0.025 χ^2/NDF: 50.0/54

In: 0.060+/-0.034 χ^2/NDF:41.3/47

Out: 0.017+/-0.031 χ^2/NDF:61.9/54

All: 0.037+/-0.023 χ^2/NDF: 104.1/102

asym_atl_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.991+/-0.027 χ^2/NDF: 3438289.6/24

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261717.0/29

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

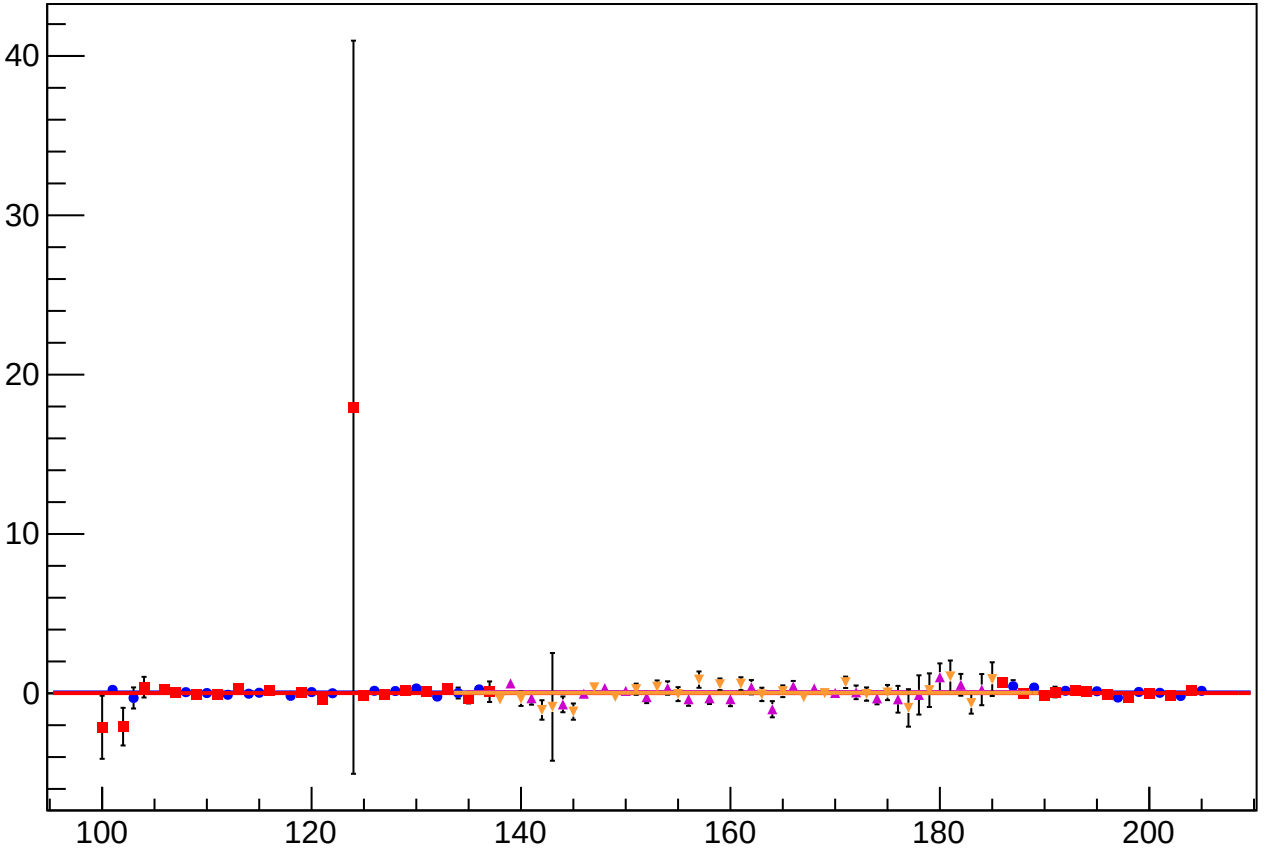
Right: 120.943+/-0.018 χ^2/NDF: 8827550.0/54

In: 161.252+/-0.024 χ^2/NDF:16342103.4/47

Out: 145.244+/-0.022 χ^2/NDF:21816159.1/54

All: 152.563+/-0.016 χ^2/NDF: 38404502.8/10

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

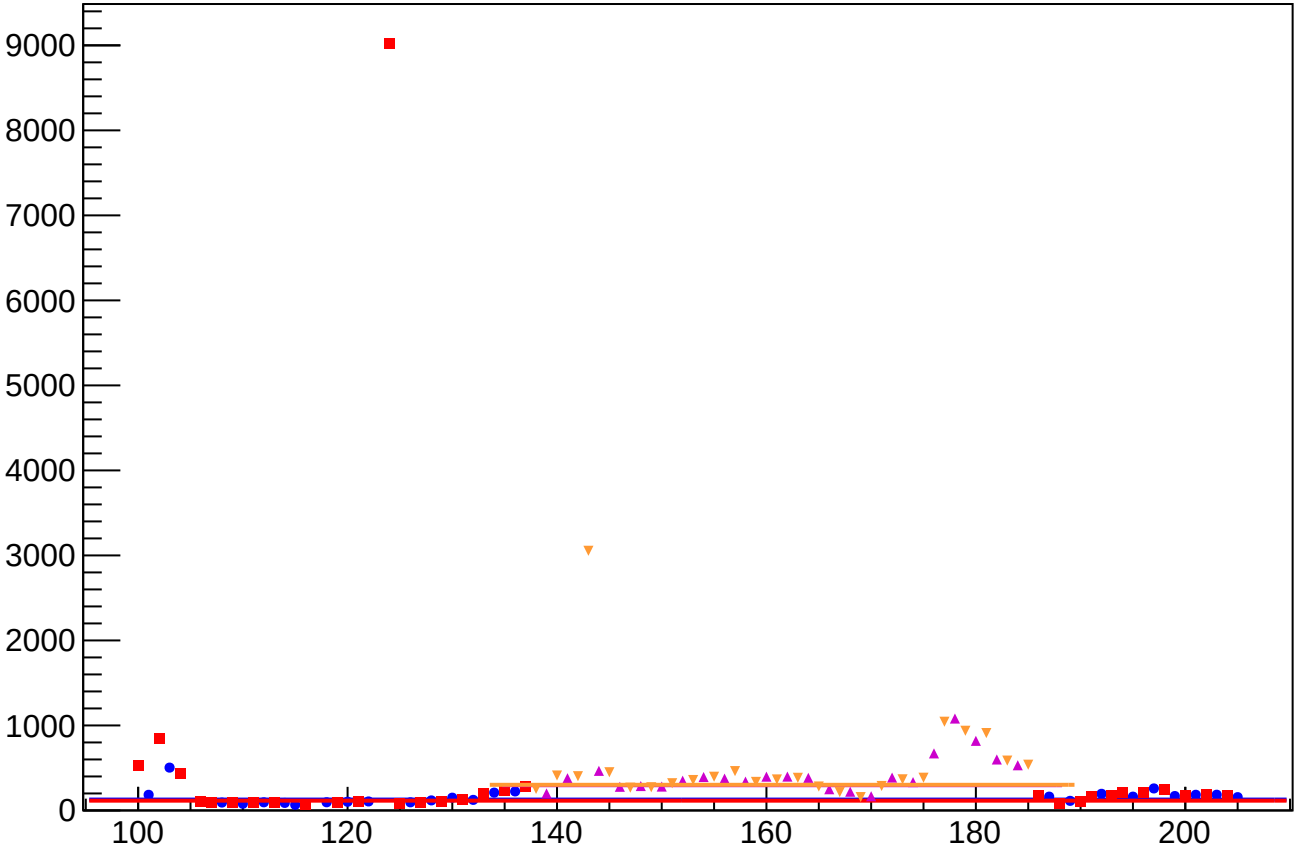
Right: 0.033+/-0.025 χ^2/NDF: 50.0/54

In: 0.060+/-0.034 χ^2/NDF:41.3/47

Out: 0.017+/-0.031 χ^2/NDF:61.9/54

All: 0.037+/-0.023 χ^2/NDF: 104.1/102

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.991+/-0.027 χ^2/NDF: 3438289.6/24

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261717.0/29

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

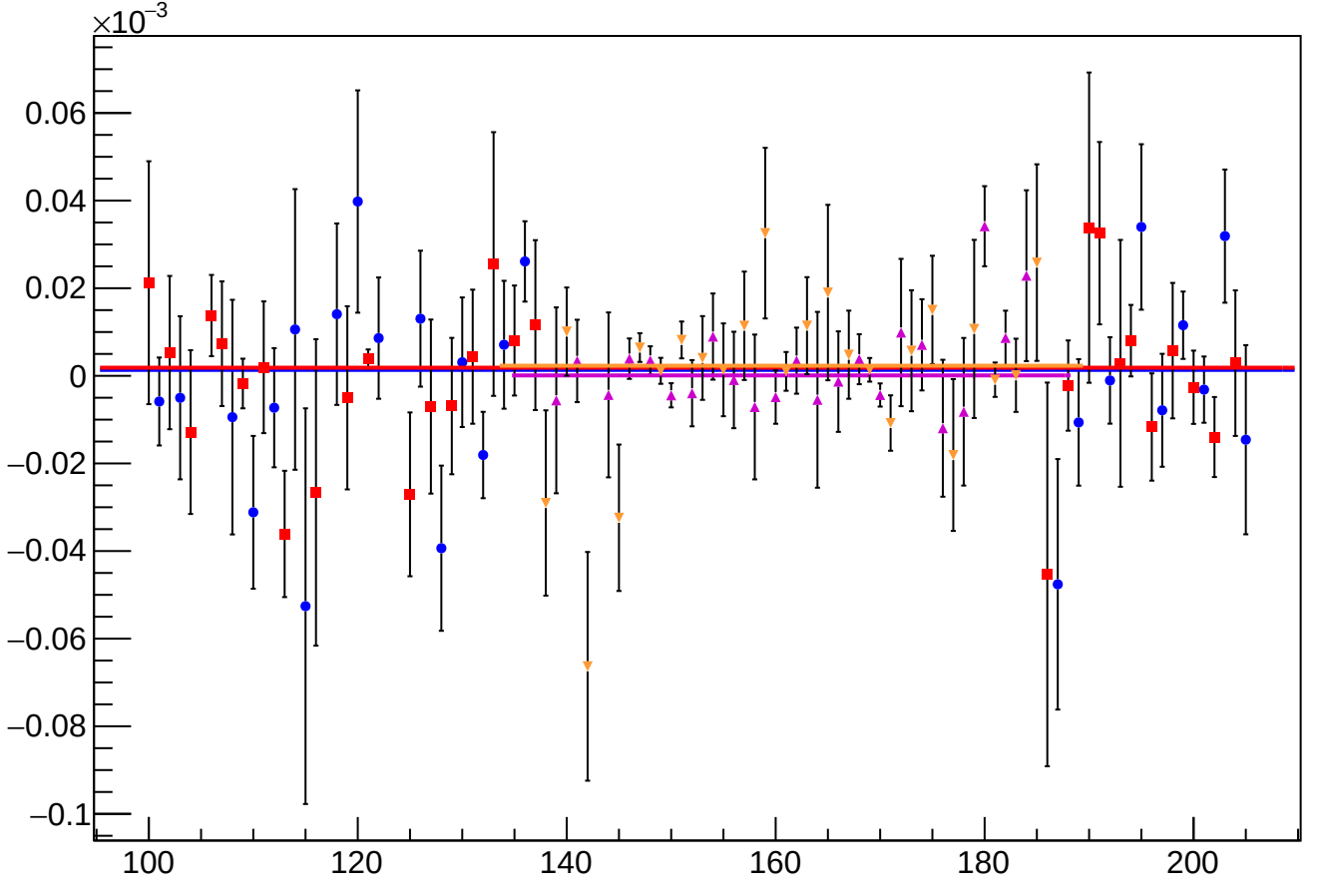
Left: 299.267+/-0.038 χ^2/NDF: 11615477.5/47

Right: 120.943+/-0.018 χ^2/NDF: 8827550.0/54

In: 161.252+/-0.024 χ^2/NDF:16342103.4/47

Out: 145.244+/-0.022 χ^2/NDF:21816159.1/54

All: 152.563+/-0.016 χ^2/NDF: 38404502.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/28

Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

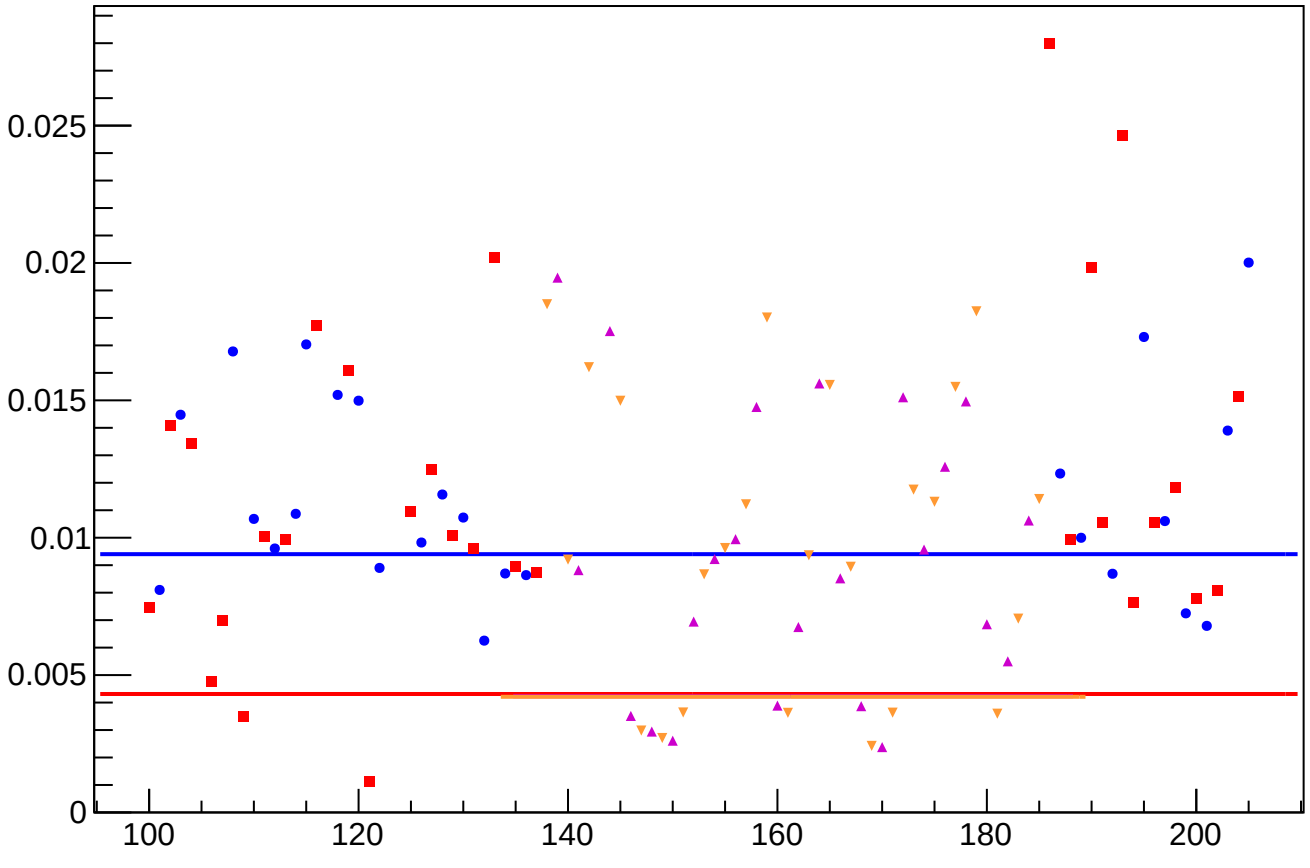
Left: 0.000+/-0.000 χ^2/NDF: 61.8/46

Right: 0.000+/-0.000 χ^2/NDF: 65.0/53

In: 0.000+/-0.000 χ^2/NDF:68.8/47

Out: 0.000+/-0.000 χ^2/NDF:56.6/52

All: 0.000+/-0.000 χ^2/NDF: 126.8/100



Right In: 0.009+/-0.000 χ^2/NDF: 2385453.9/24

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14706282.9/28

Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

Left: 0.004+/-0.000 χ^2/NDF: 23112509.3/46

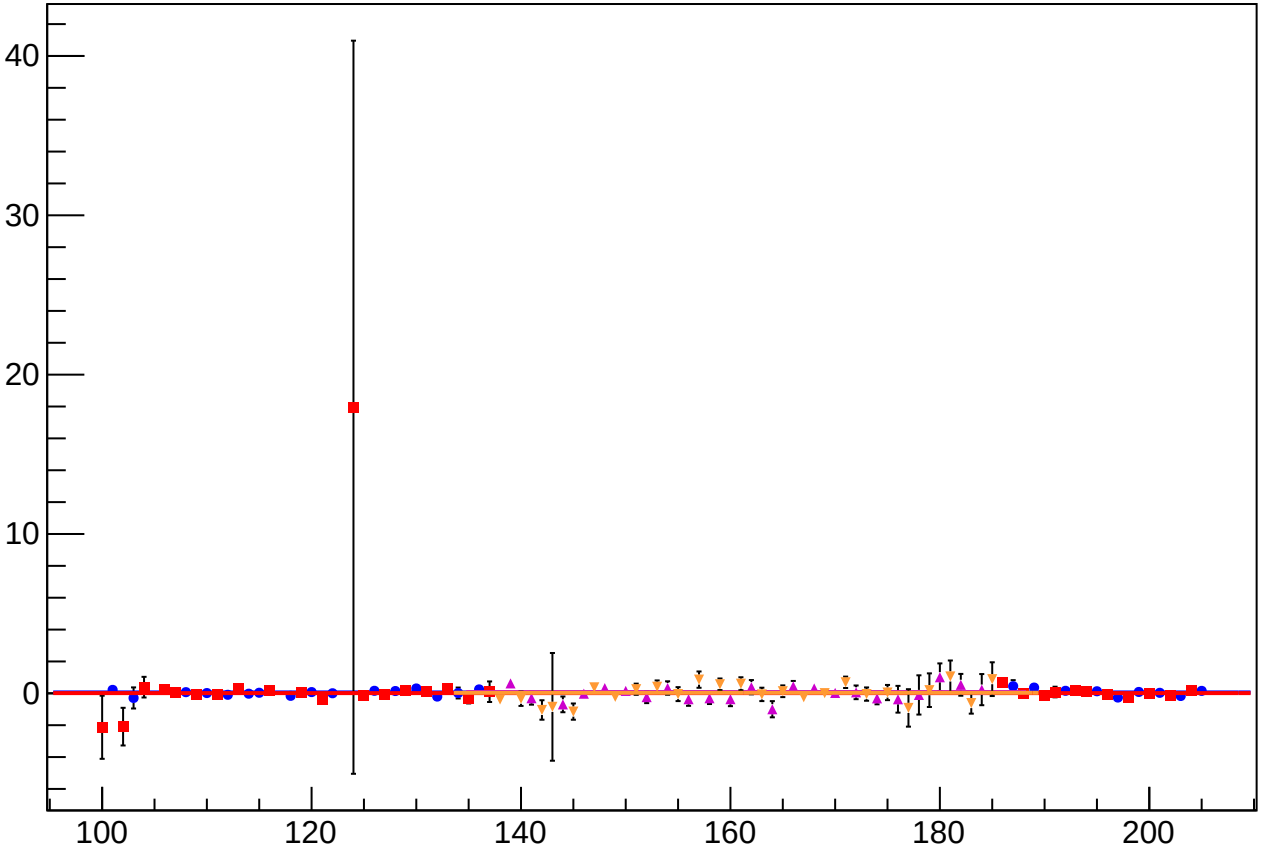
Right: 0.006+/-0.000 χ^2/NDF: 22291458.7/53

In: 0.005+/-0.000 χ^2/NDF:19453138.5/47

Out: 0.004+/-0.000 χ^2/NDF:26789193.9/52

All: 0.005+/-0.000 χ^2/NDF: 46980281.8/100

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

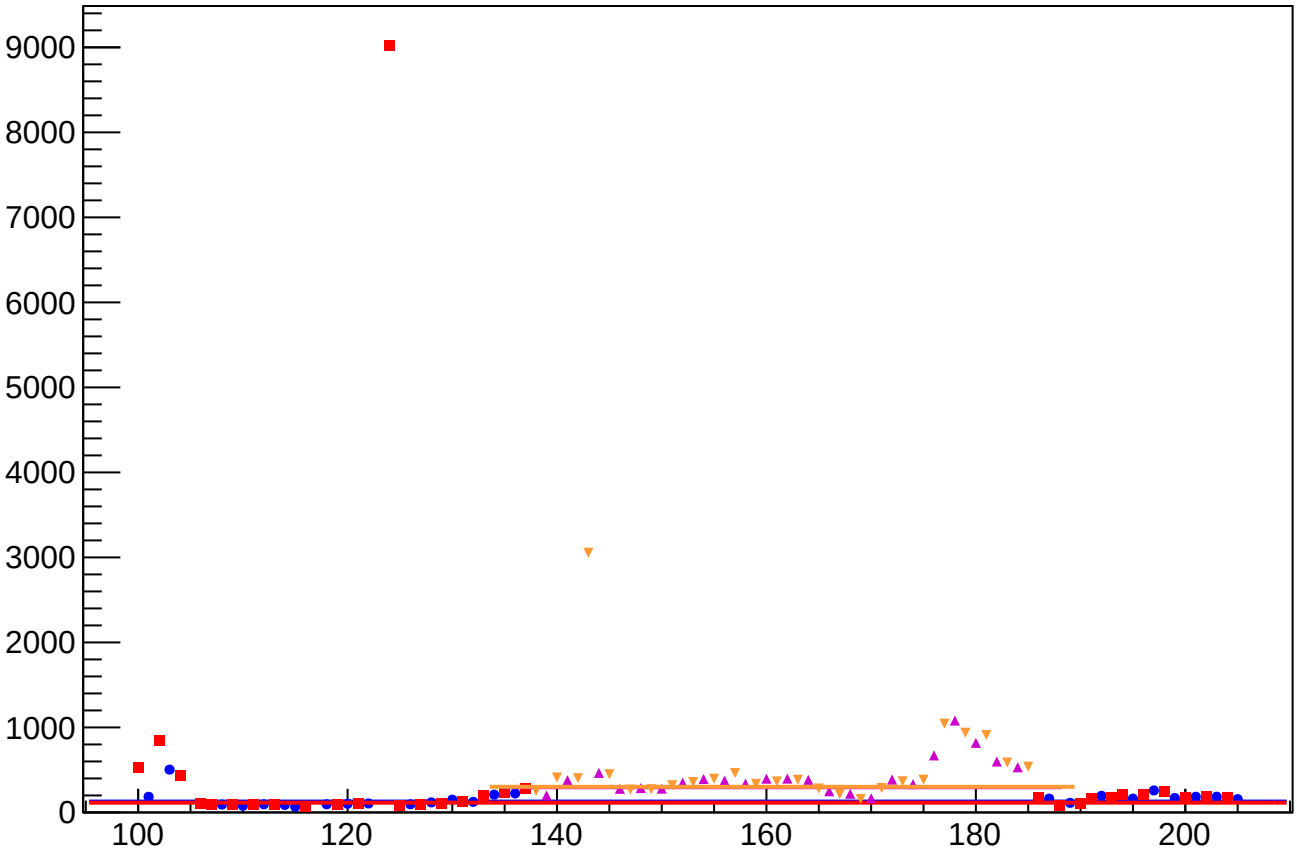
Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

Right: 0.033+/-0.025 χ^2/NDF: 50.0/54

In: 0.060+/-0.034 χ^2/NDF:41.3/47

Out: 0.017+/-0.031 χ^2/NDF:61.9/54

All: 0.037+/-0.023 χ^2/NDF: 104.1/102



Right In: 127.991+/-0.027 χ^2/NDF: 3438257.1/24

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261601.7/29

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

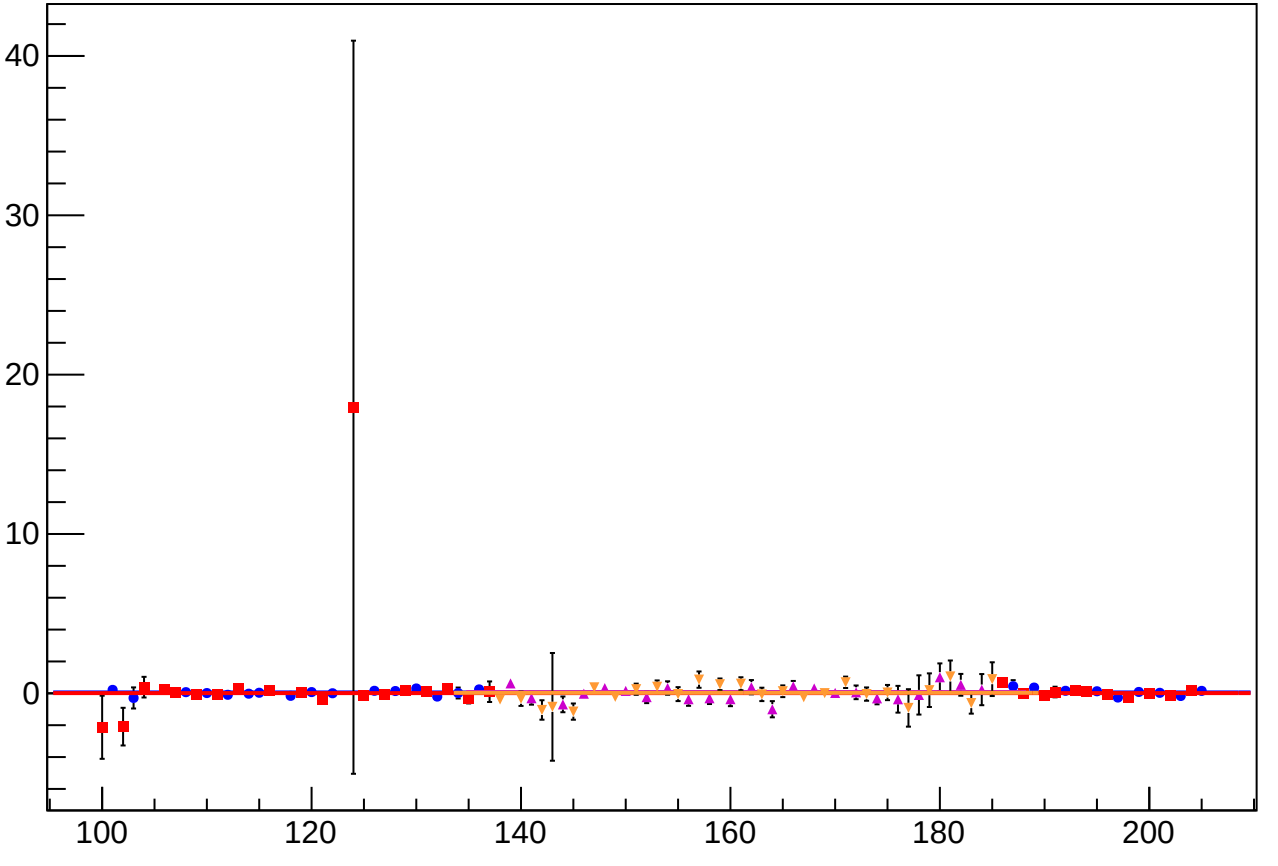
Right: 120.943+/-0.018 χ^2/NDF: 8827394.1/54

In: 161.252+/-0.024 χ^2/NDF:16342163.3/47

Out: 145.244+/-0.022 χ^2/NDF:21816093.0/54

All: 152.563+/-0.016 χ^2/NDF: 38404486.8/10

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.014+/-0.034 χ^2/NDF: 32.2/29

Left In: 0.078+/-0.076 χ^2/NDF:24.1/22

Left: 0.057+/-0.054 χ^2/NDF: 53.9/47

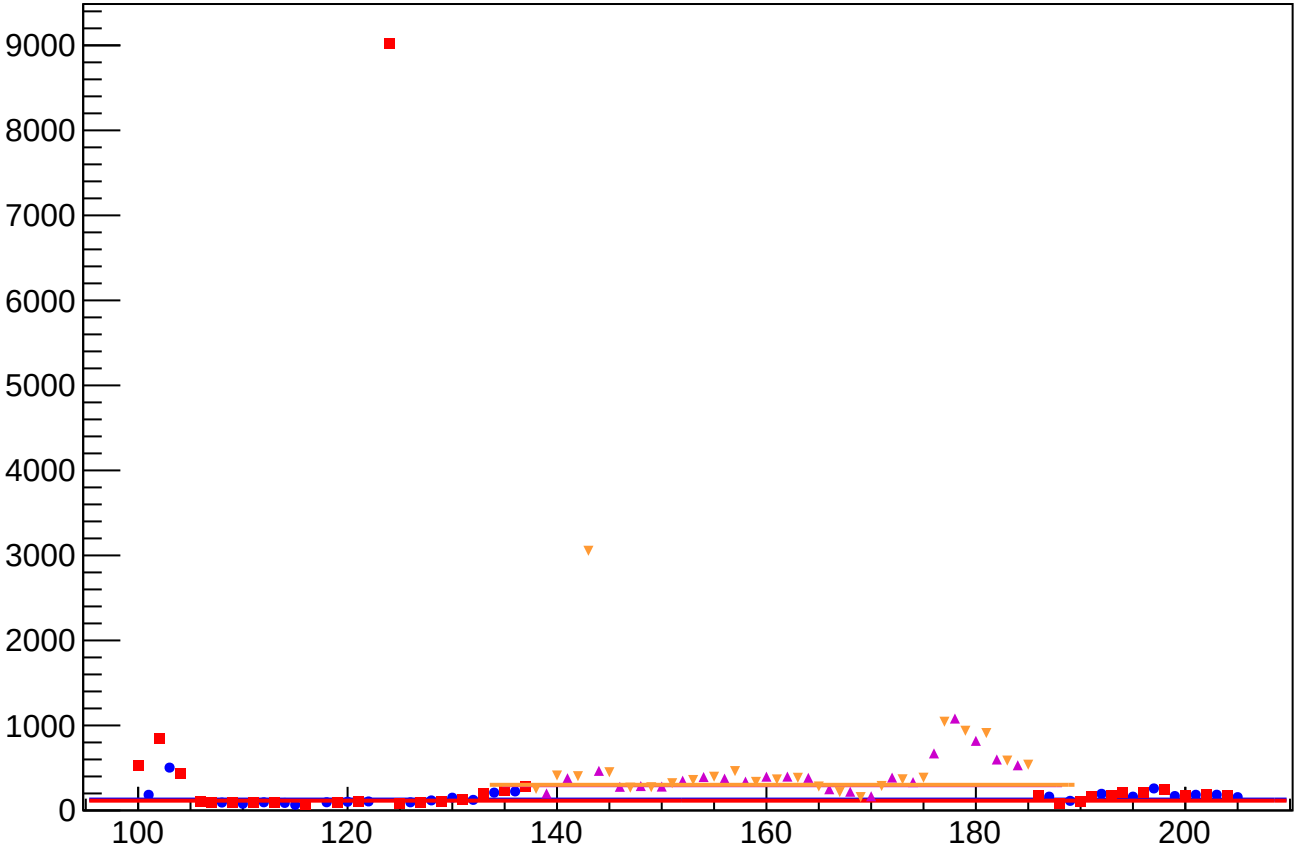
Right: 0.033+/-0.025 χ^2/NDF: 50.0/54

In: 0.060+/-0.034 χ^2/NDF:41.3/47

Out: 0.017+/-0.031 χ^2/NDF:61.9/54

All: 0.037+/-0.023 χ^2/NDF: 104.1/102

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 127.991+/-0.027 χ^2/NDF: 3438257.1/24

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

Right Out: 115.262+/-0.024 χ^2/NDF: 5261601.7/29

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

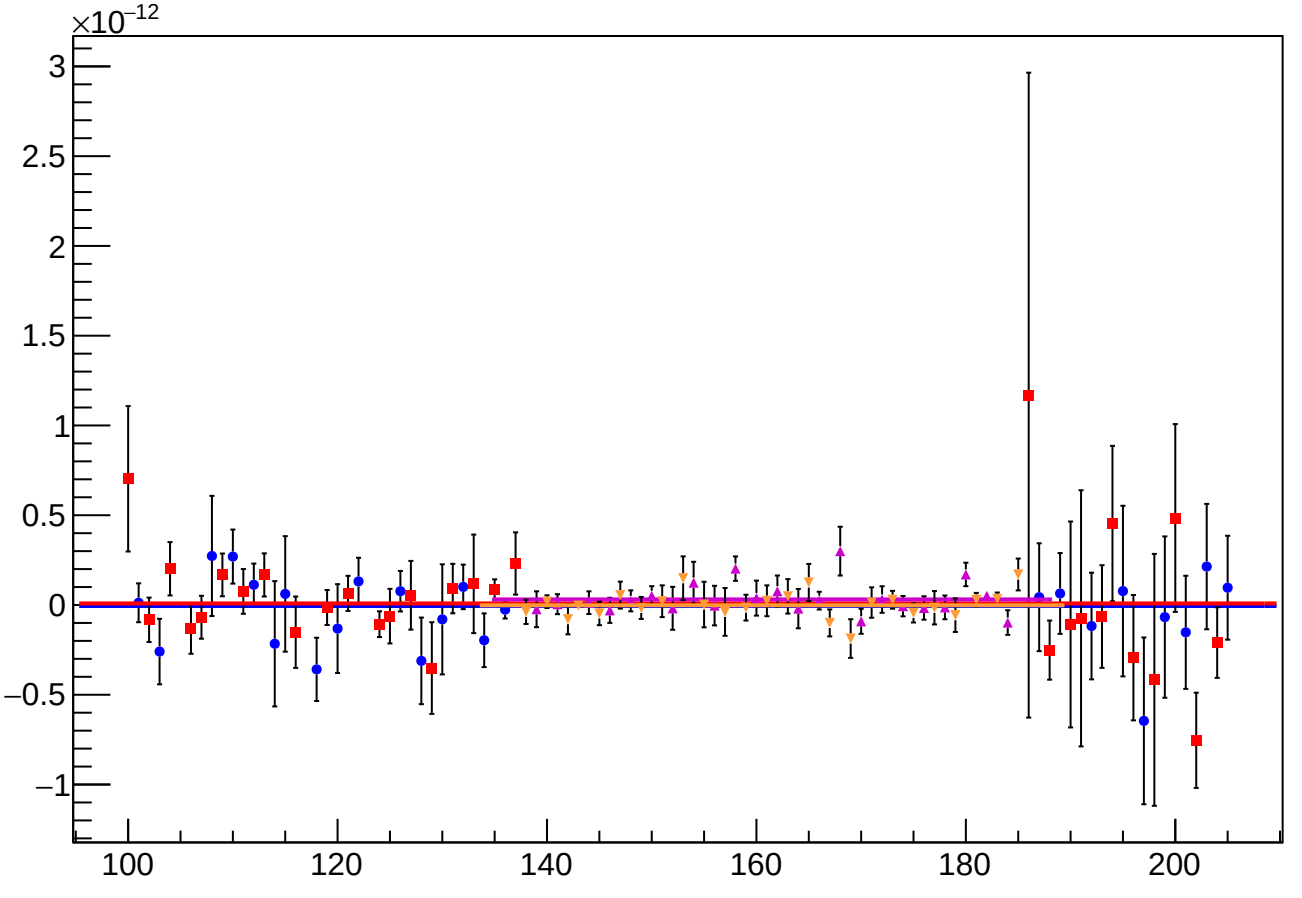
Left: 299.269+/-0.038 χ^2/NDF: 11615492.5/47

Right: 120.943+/-0.018 χ^2/NDF: 8827394.1/54

In: 161.252+/-0.024 χ^2/NDF:16342163.3/47

Out: 145.244+/-0.022 χ^2/NDF:21816093.0/54

All: 152.563+/-0.016 χ^2/NDF: 38404486.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/29

Left In: 0.000+/-0.000 χ^2/NDF:26.4/22

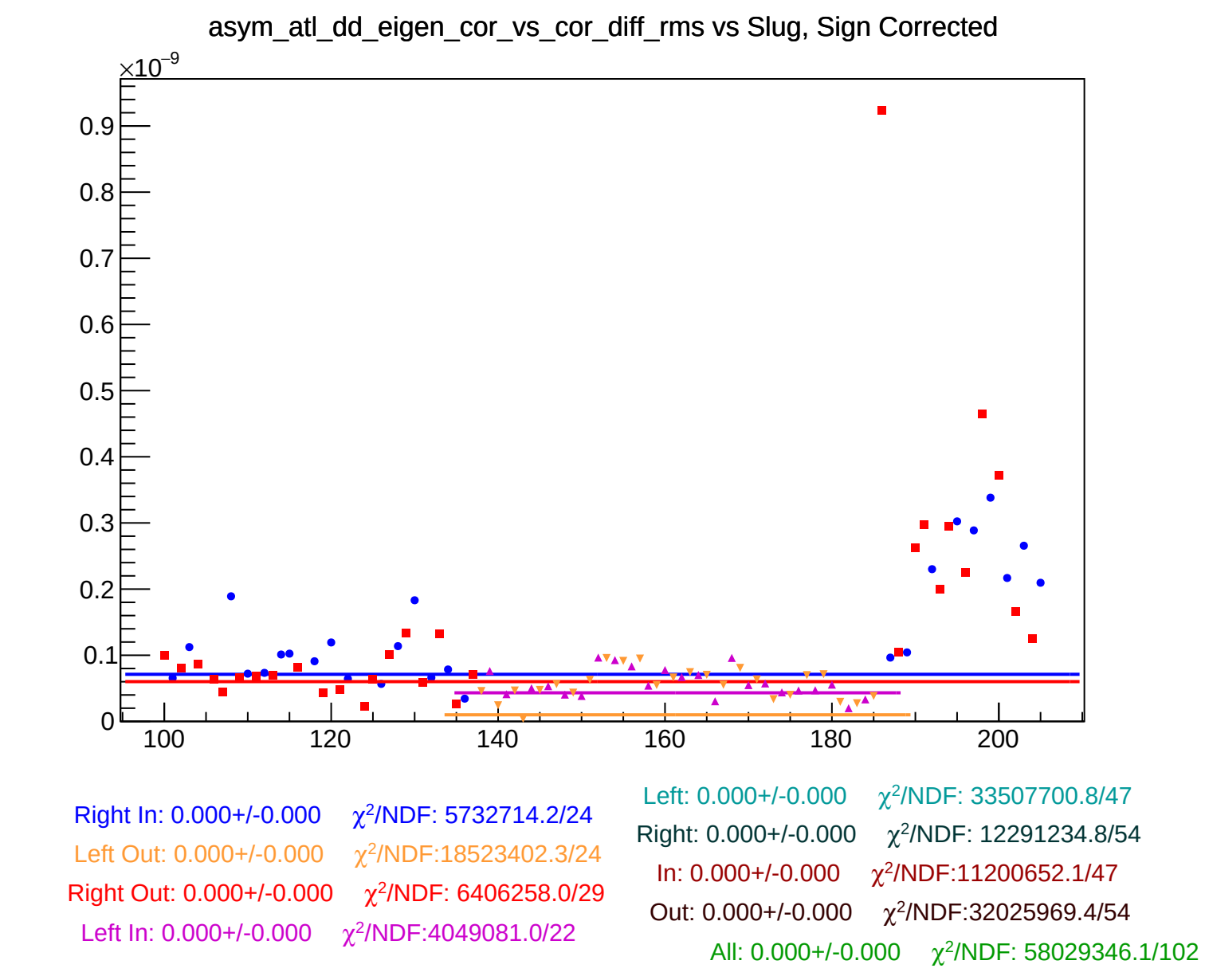
Left: 0.000+/-0.000 χ^2/NDF: 49.3/47

Right: 0.000+/-0.000 χ^2/NDF: 56.2/54

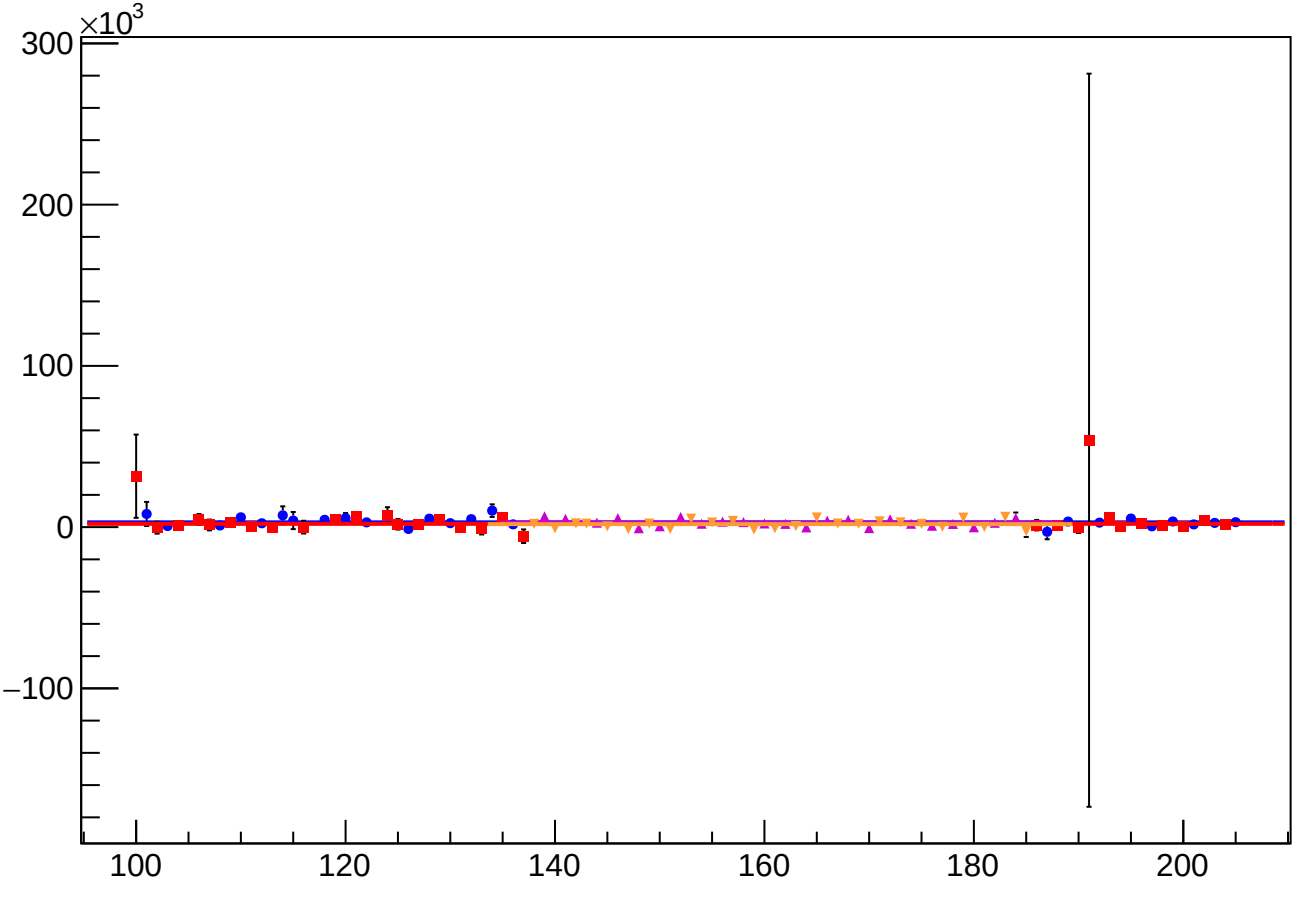
In: 0.000+/-0.000 χ^2/NDF:48.0/47

Out: -0.000+/-0.000 χ^2/NDF:53.6/54

All: 0.000+/-0.000 χ^2/NDF: 105.6/102


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5732714.2/24
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 6406258.0/29
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
Left: 0.000+/-0.000 χ²/NDF: 33507700.8/47
Right: 0.000+/-0.000 χ²/NDF: 12291234.8/54
In: 0.000+/-0.000 χ²/NDF:11200652.1/47
Out: 0.000+/-0.000 χ²/NDF:32025969.4/54
All: 0.000+/-0.000 χ²/NDF: 58029346.1/102

reg_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2958.877+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: 2028.655+/-506.011 χ^2/NDF: 22.4/29

Left In: 2775.769+/-430.870 χ^2/NDF:25.4/22

Left: 2302.092+/-300.757 χ^2/NDF: 59.3/47

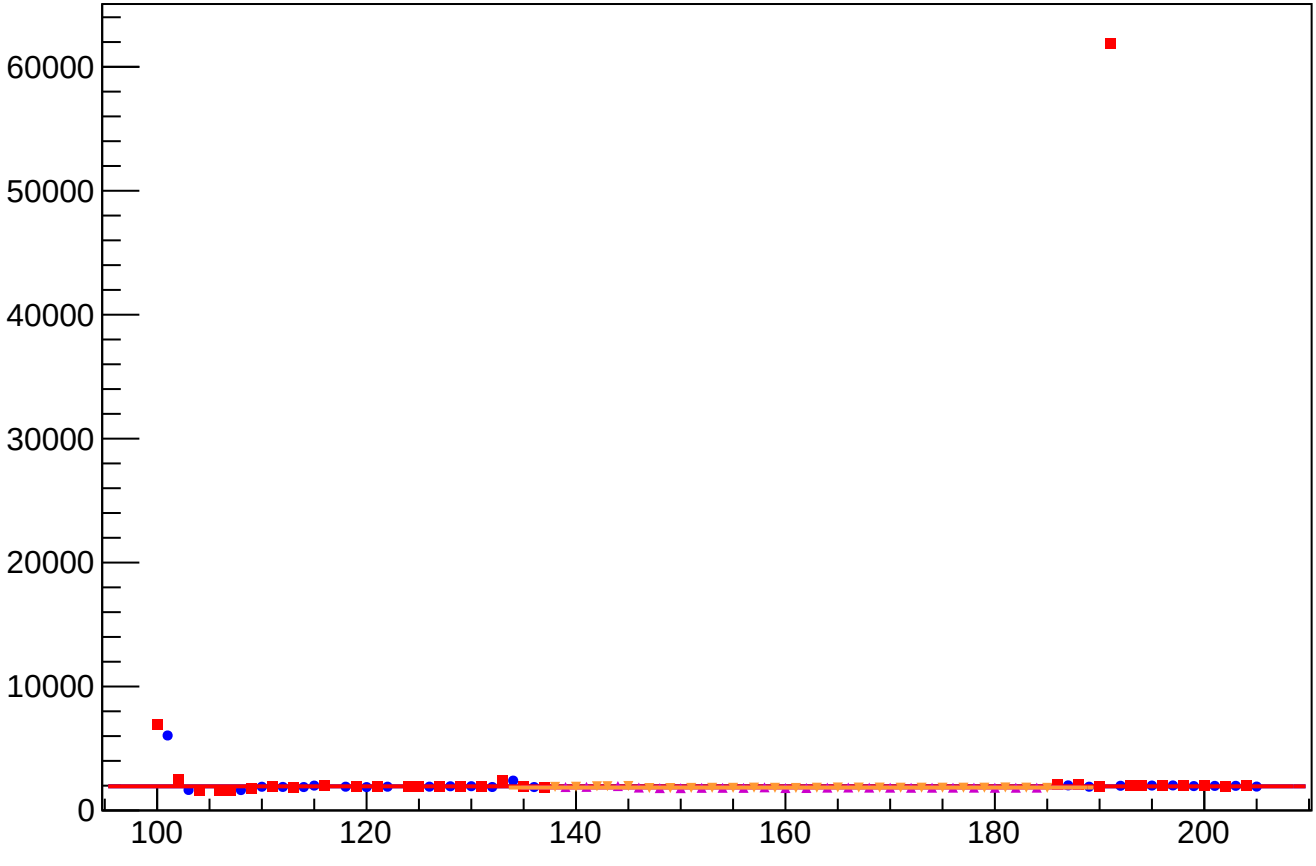
Right: 2476.435+/-364.409 χ^2/NDF: 40.3/54

In: 2849.426+/-333.122 χ^2/NDF:41.8/47

Out: 1924.061+/-323.181 χ^2/NDF:54.0/54

All: 2372.731+/-231.958 χ^2/NDF: 99.8/102

reg_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1947.789+/-0.371 χ^2/NDF: 707182.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1946.688+/-0.357 χ^2/NDF: 404947.0/29

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

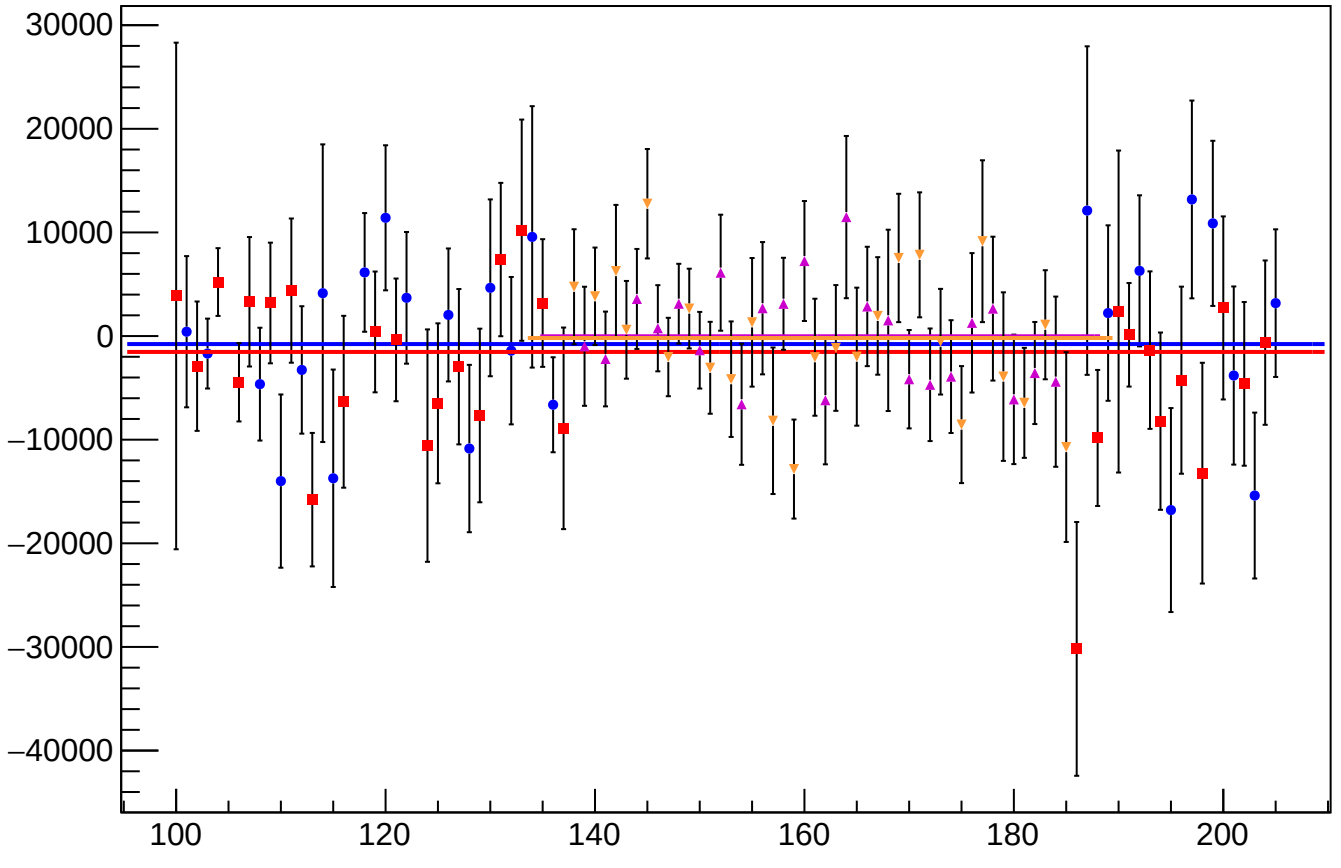
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1947.217+/-0.257 χ^2/NDF: 1112134.2/54

In: 1886.384+/-0.236 χ^2/NDF:766941.2/47

Out: 1888.649+/-0.228 χ^2/NDF:470494.1/54

All: 1887.552+/-0.164 χ^2/NDF: 1237483.0/10



Right In: -772.953+/-1386.096 χ^2/NDF: 26.8/24

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: -1532.579+/-1235.747 χ^2/NDF: 27.3/29

Left In: -19.391+/-1112.574 χ^2/NDF:13.7/22

Left: -106.275+/-778.101 χ^2/NDF: 42.7/47

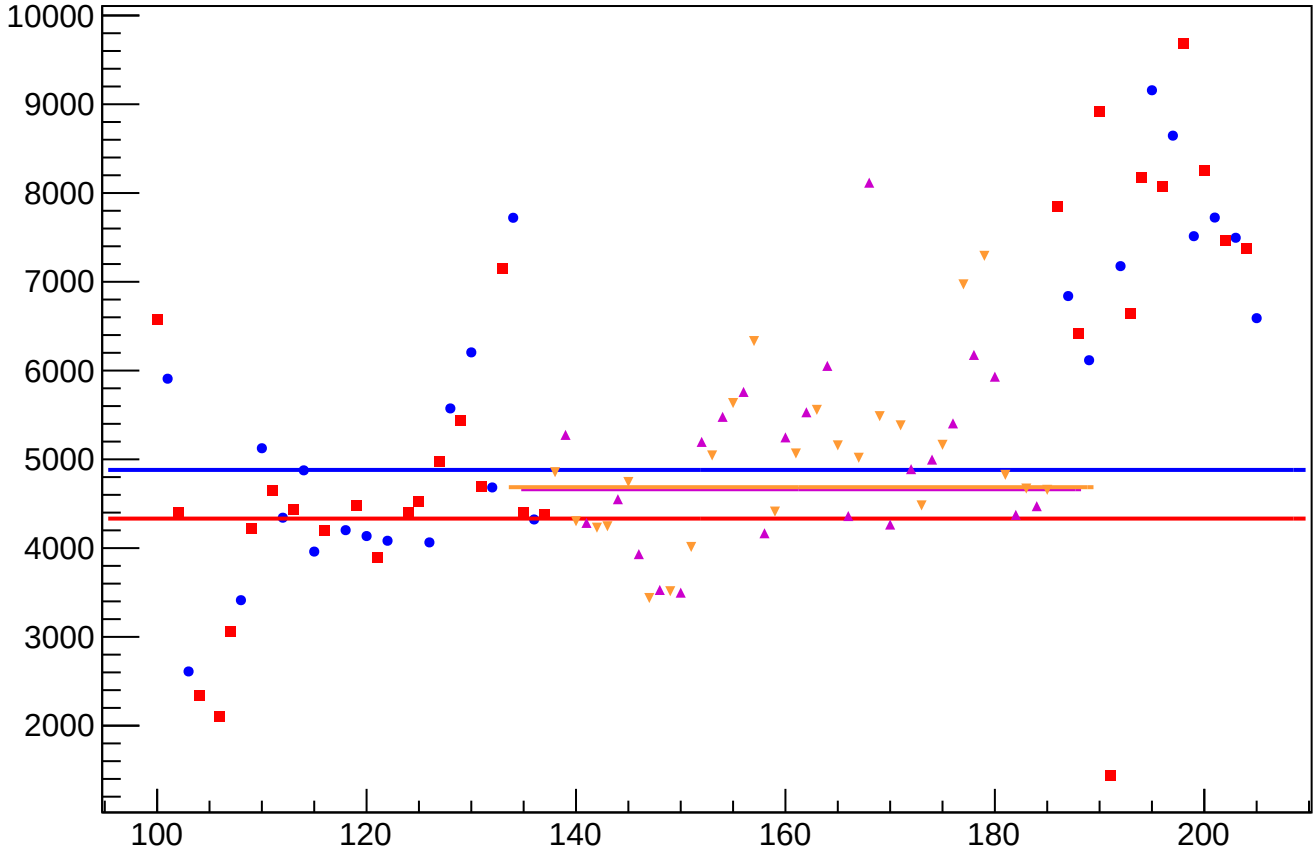
Right: -1196.184+/-922.398 χ^2/NDF: 54.3/54

In: -314.659+/-867.644 χ^2/NDF:40.7/47

Out: -776.340+/-816.860 χ^2/NDF:56.9/54

All: -559.406+/-594.751 χ^2/NDF: 97.8/102

asym_atr_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 4880.813+/-0.980 χ^2/NDF: 3159994.7/24

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4332.629+/-0.874 χ^2/NDF: 5403934.5/29

Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

Left: 4675.064+/-0.550 χ^2/NDF: 2472229.8/47

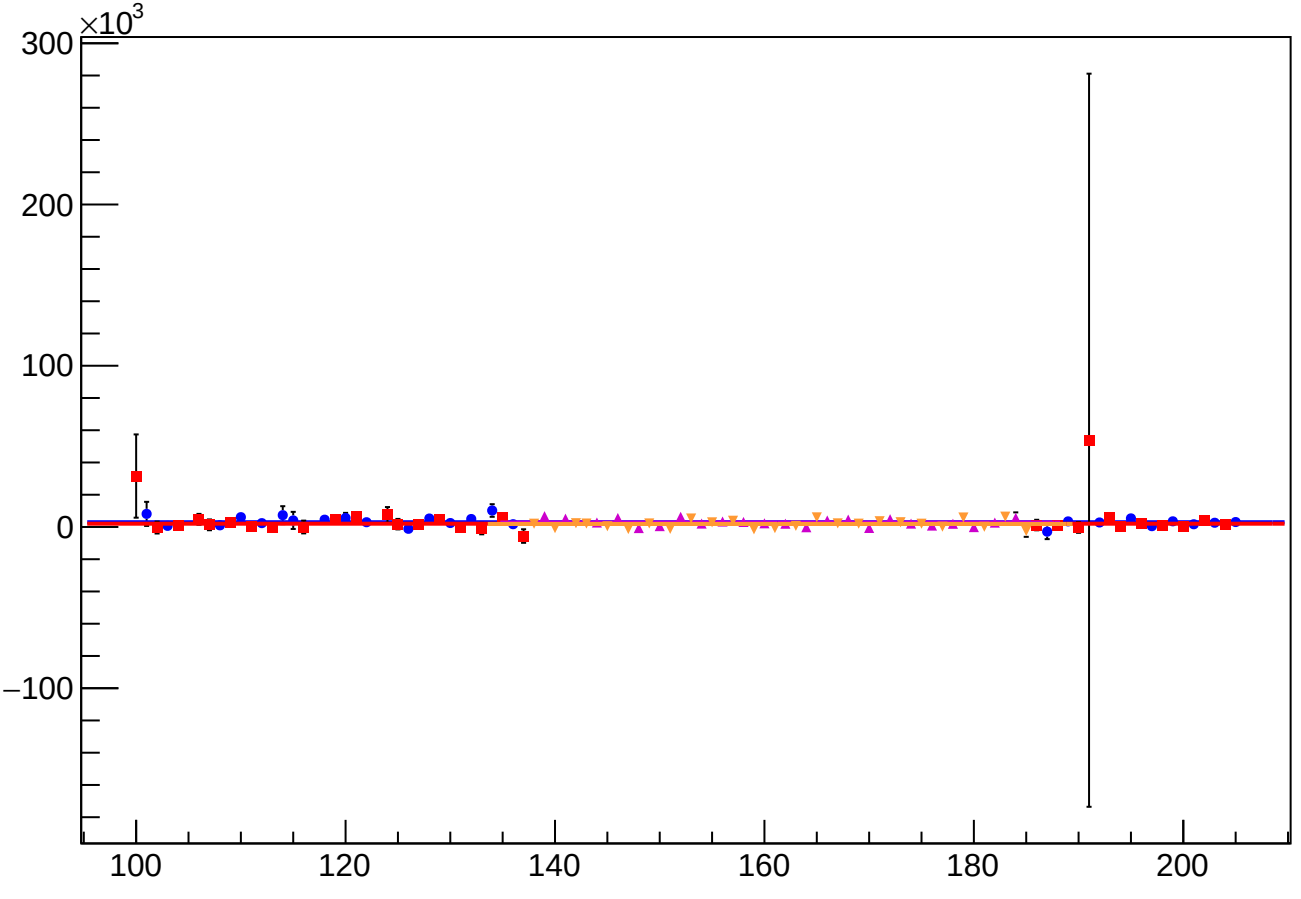
Right: 4575.388+/-0.652 χ^2/NDF: 8738219.7/54

In: 4748.511+/-0.614 χ^2/NDF:4476681.7/47

Out: 4531.792+/-0.578 χ^2/NDF:6681264.9/54

All: 4633.623+/-0.421 χ^2/NDF: 11224094.5/1

cor_asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 2958.581+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2029.186+/-506.012 χ^2/NDF: 22.4/29

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

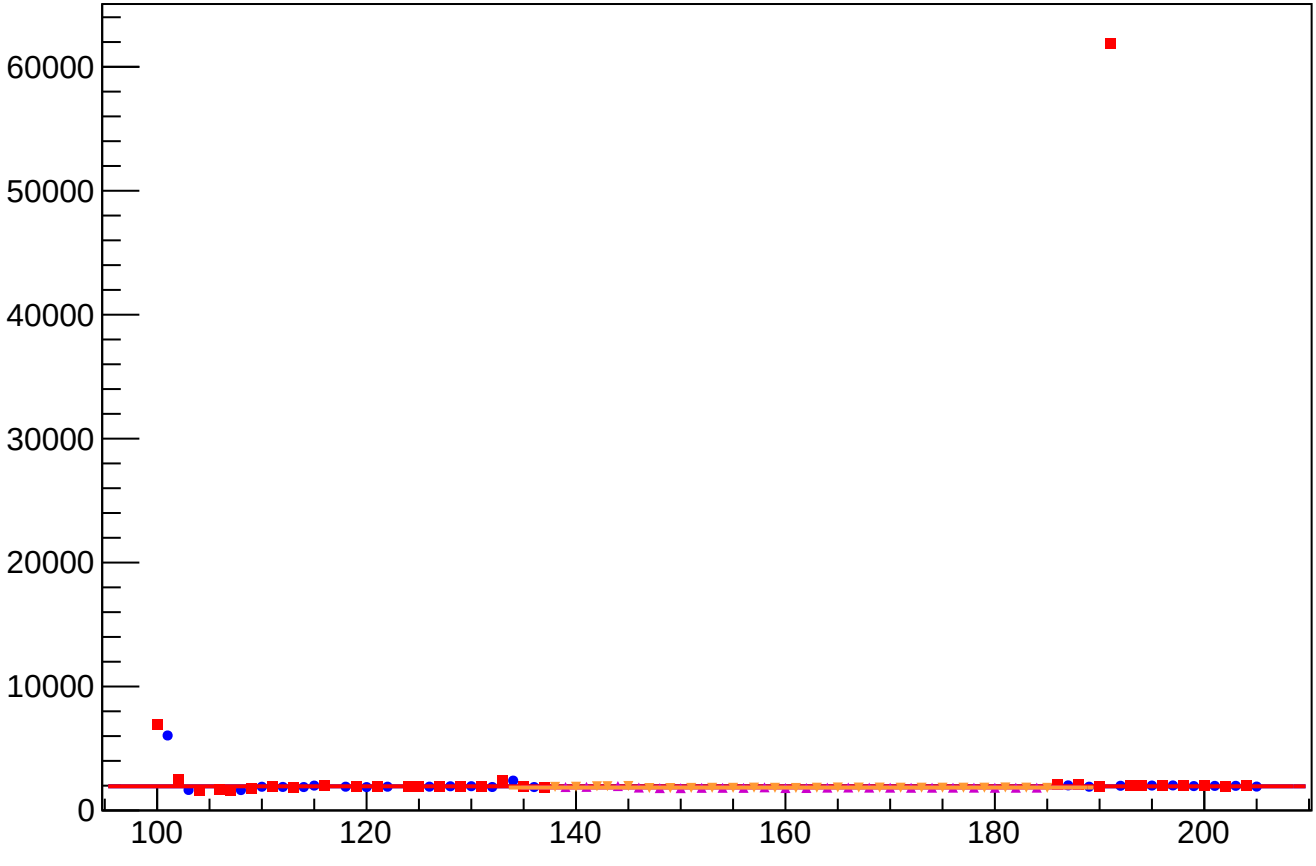
Right: 2476.569+/-364.410 χ^2/NDF: 40.3/54

In: 2849.293+/-333.122 χ^2/NDF:41.8/47

Out: 1924.211+/-323.182 χ^2/NDF:54.0/54

All: 2372.745+/-231.958 χ^2/NDF: 99.8/102

cor_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1947.790+/-0.371 χ^2/NDF: 707181.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1948.818+/-0.358 χ^2/NDF: 396684.6/29

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

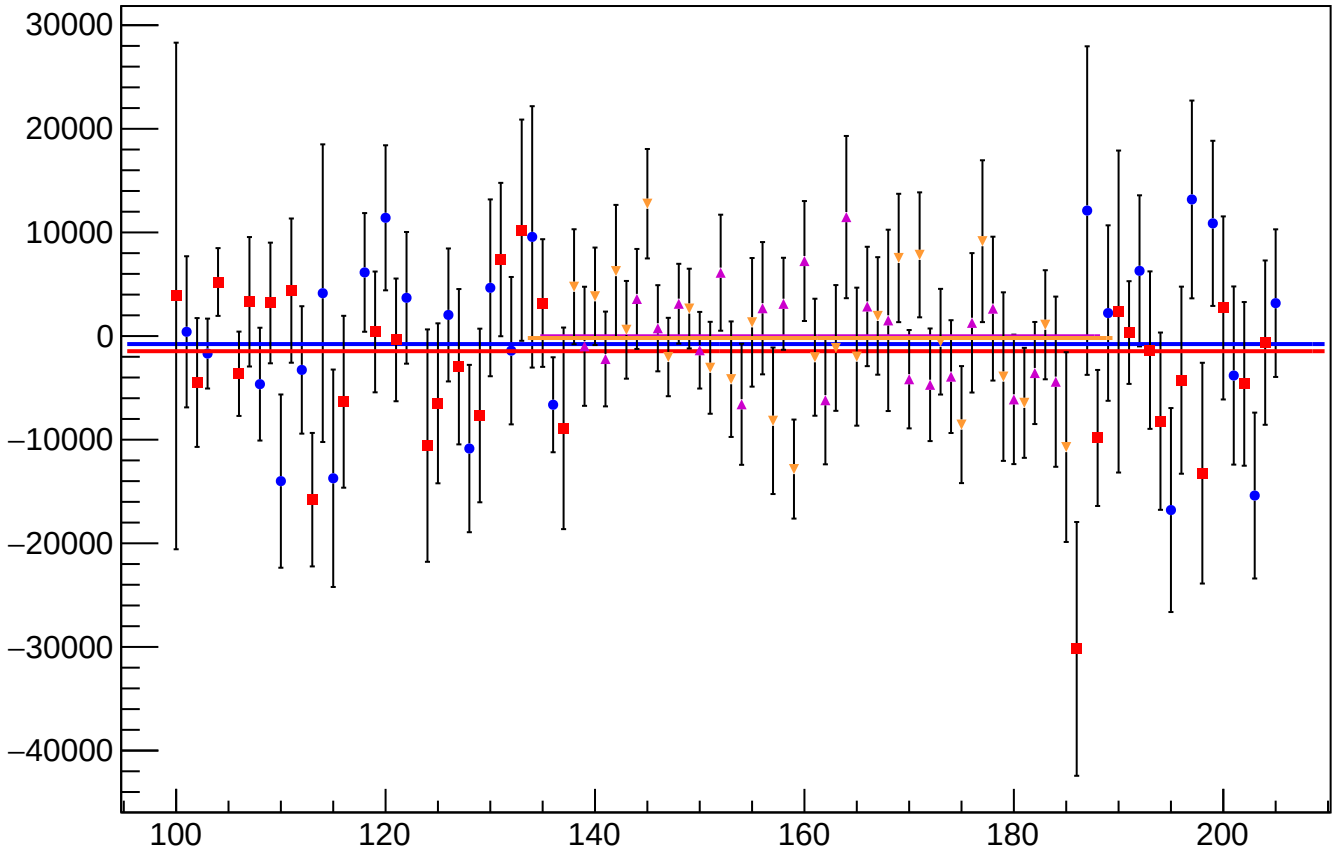
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1948.323+/-0.258 χ^2/NDF: 1103870.3/54

In: 1886.384+/-0.236 χ^2/NDF:766940.5/47

Out: 1889.473+/-0.228 χ^2/NDF:464137.5/54

All: 1887.976+/-0.164 χ^2/NDF: 1231166.5/10



Right In: -773.191+/-1386.098 χ^2/NDF: 26.8/24

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1460.596+/-1244.008 χ^2/NDF: 27.2/29

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

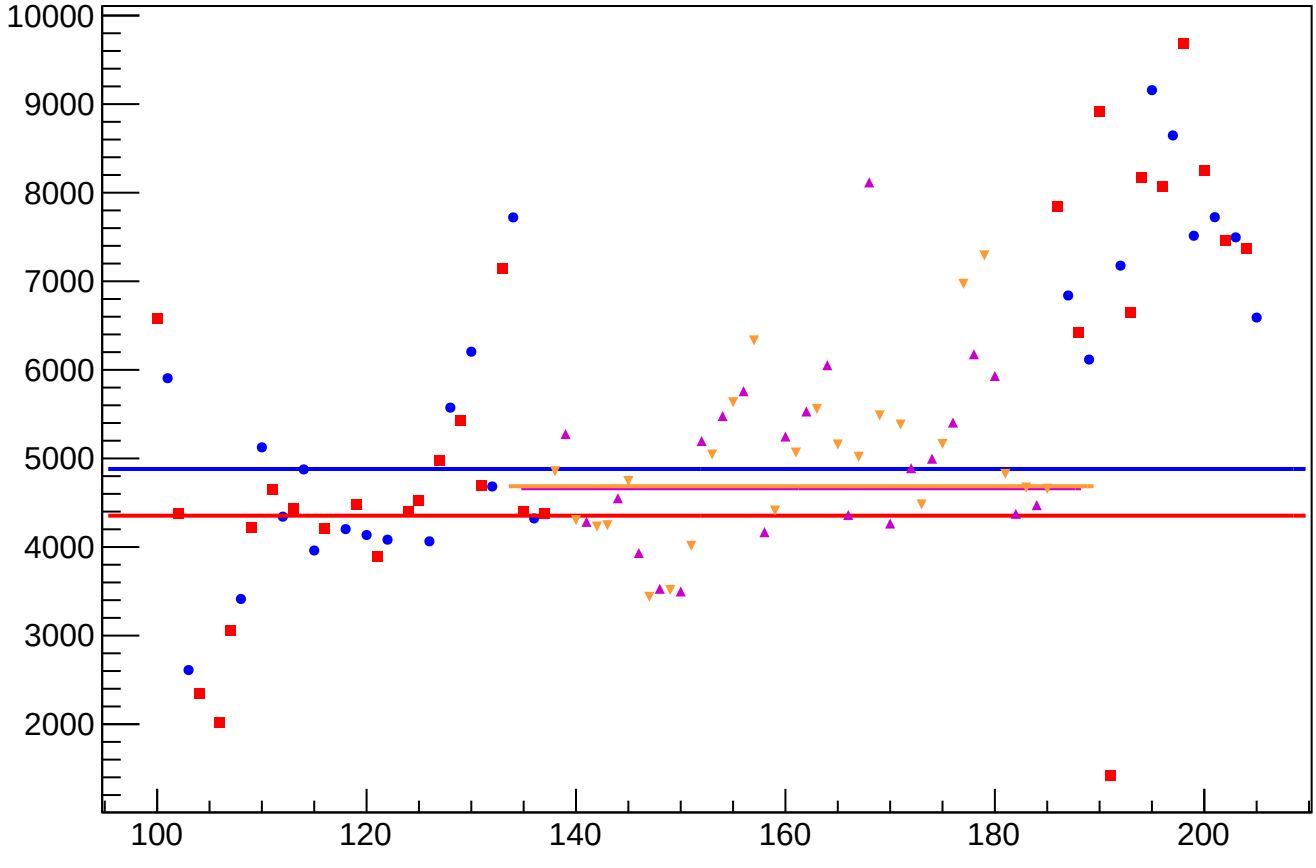
Right: -1153.922+/-925.819 χ^2/NDF: 54.1/54

In: -314.776+/-867.645 χ^2/NDF:40.7/47

Out: -740.739+/-819.232 χ^2/NDF:56.7/54

All: -539.973+/-595.664 χ^2/NDF: 97.6/102

asym_atr_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 4880.885+/-0.980 χ^2/NDF: 3159382.3/24

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4353.865+/-0.880 χ^2/NDF: 5367644.5/29

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

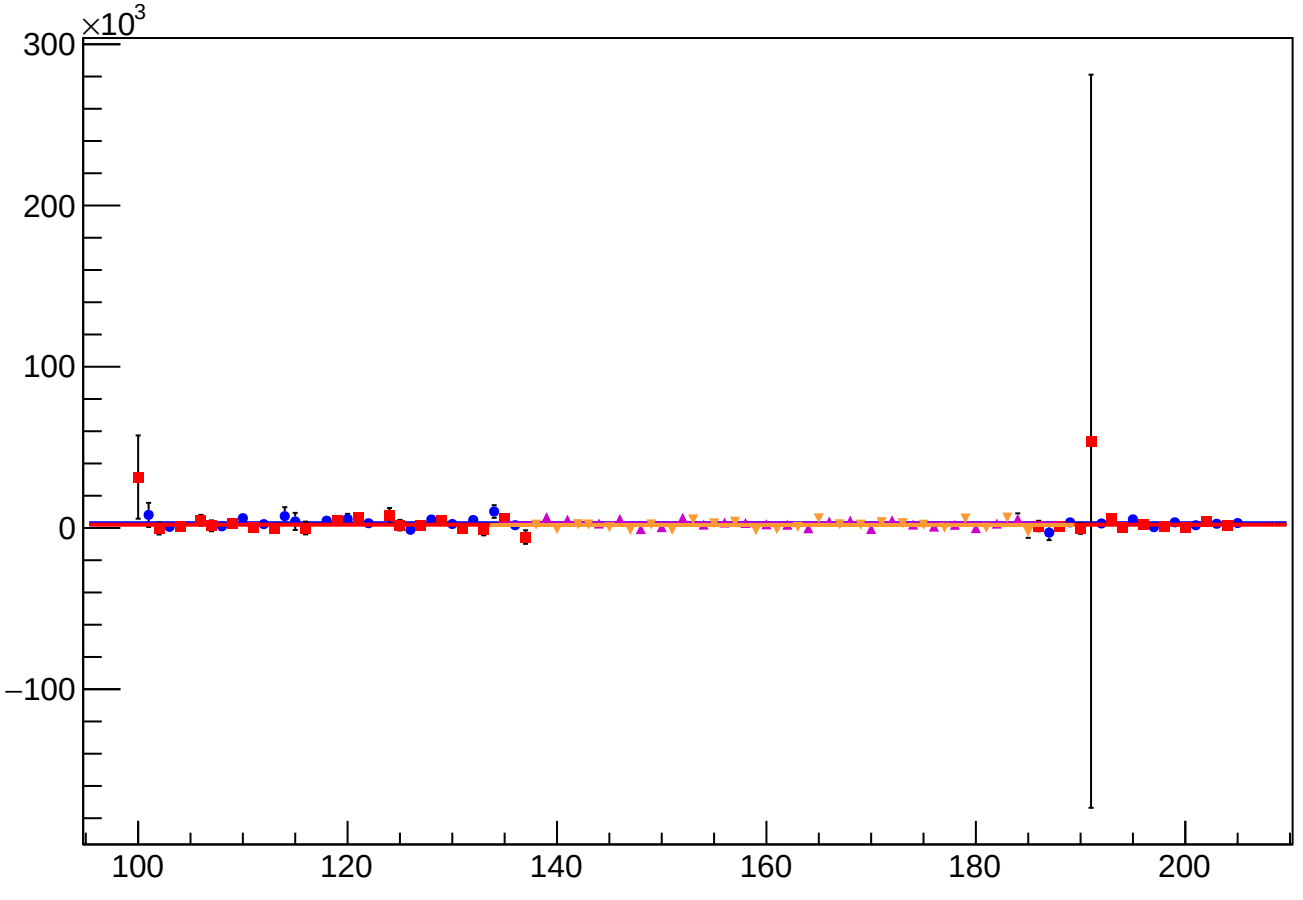
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4588.985+/-0.655 χ^2/NDF: 8687168.2/54

In: 4748.540+/-0.614 χ^2/NDF:4476085.3/47

Out: 4542.156+/-0.579 χ^2/NDF:6633639.7/54

All: 4639.429+/-0.421 χ^2/NDF: 11169550.8/1



Right In: 2958.581+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: 2029.186+/-506.012 χ^2/NDF: 22.4/29

Left In: 2775.745+/-430.870 χ^2/NDF:25.4/22

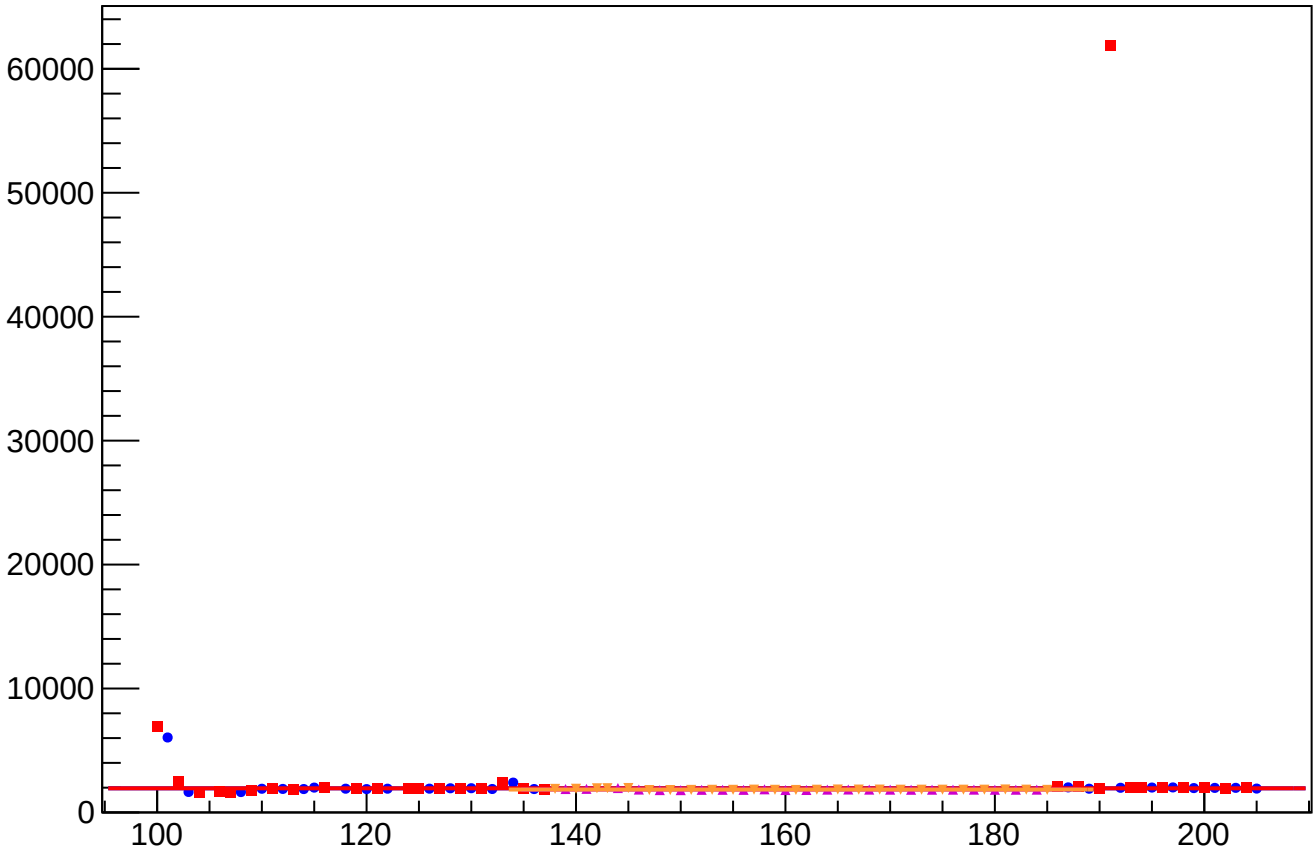
Left: 2302.023+/-300.757 χ^2/NDF: 59.3/47

Right: 2476.569+/-364.410 χ^2/NDF: 40.3/54

In: 2849.293+/-333.122 χ^2/NDF:41.8/47

Out: 1924.211+/-323.182 χ^2/NDF:54.0/54

All: 2372.745+/-231.958 χ^2/NDF: 99.8/102



Right In: 1947.790+/-0.371 χ^2/NDF: 707181.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1948.818+/-0.358 χ^2/NDF: 396684.6/29

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

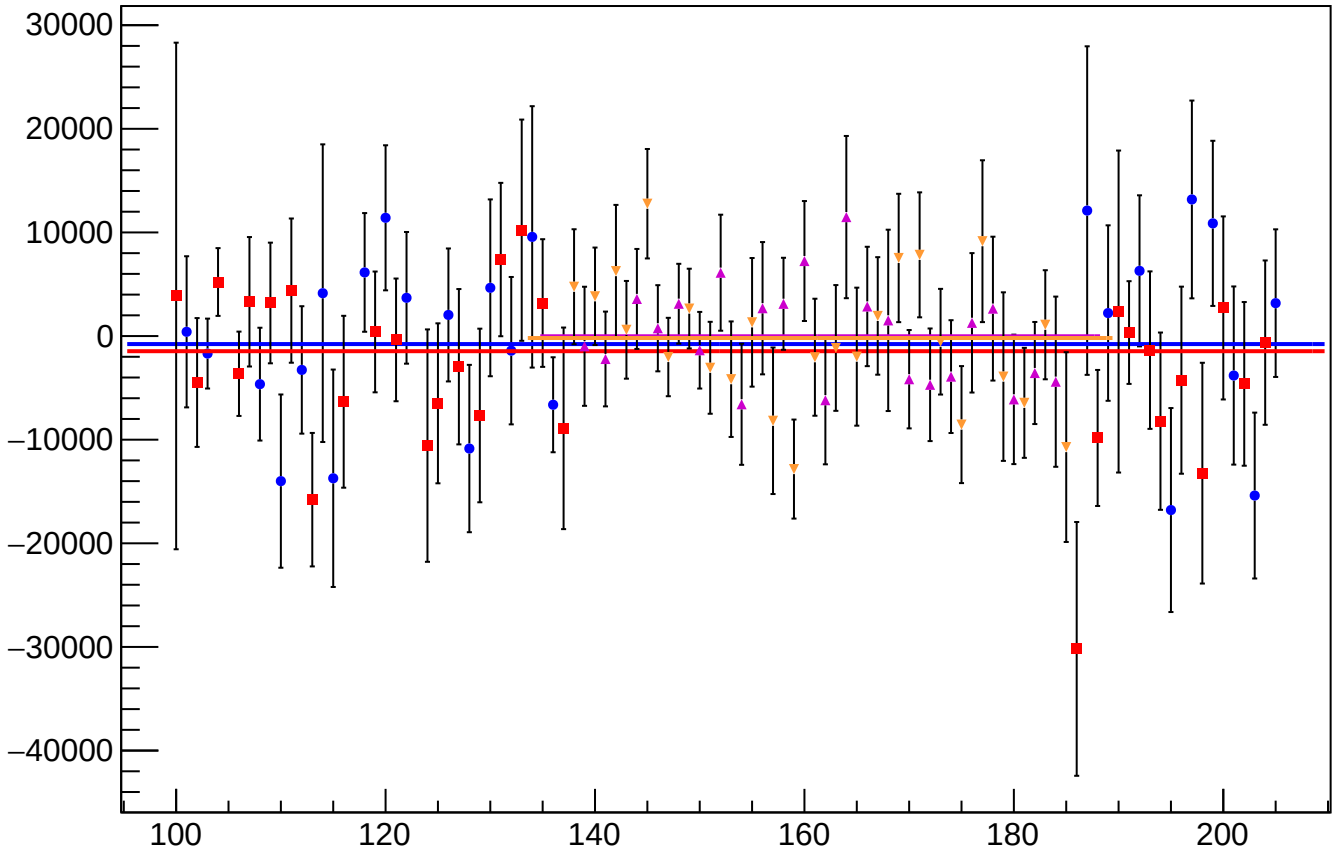
Left: 1846.835+/-0.213 χ^2/NDF: 34978.8/47

Right: 1948.323+/-0.258 χ^2/NDF: 1103870.3/54

In: 1886.384+/-0.236 χ^2/NDF:766940.5/47

Out: 1889.473+/-0.228 χ^2/NDF:464137.5/54

All: 1887.976+/-0.164 χ^2/NDF: 1231166.5/10



Right In: -773.191+/-1386.098 χ^2/NDF: 26.8/24

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: -1460.596+/-1244.008 χ^2/NDF: 27.2/29

Left In: -19.431+/-1112.574 χ^2/NDF:13.7/22

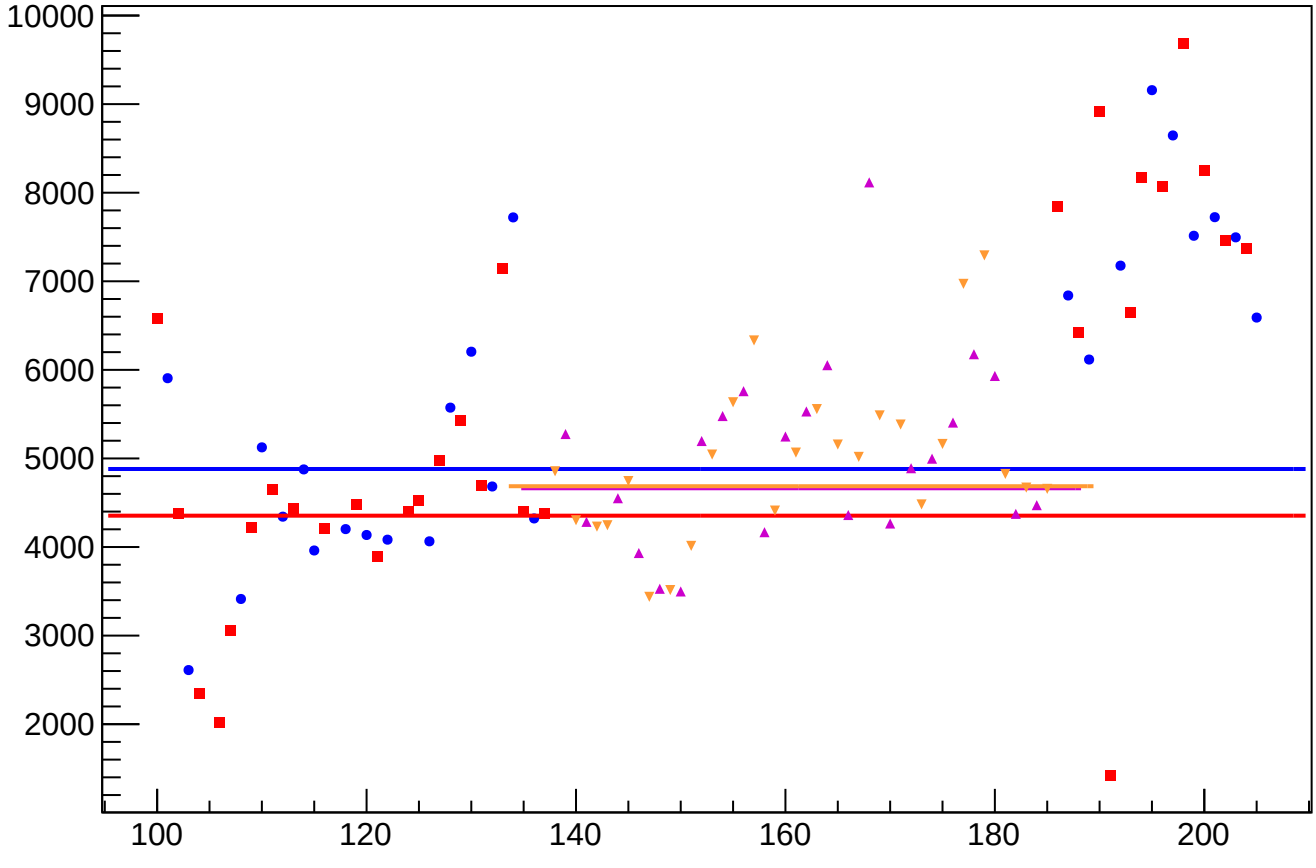
Left: -106.310+/-778.100 χ^2/NDF: 42.7/47

Right: -1153.922+/-925.819 χ^2/NDF: 54.1/54

In: -314.776+/-867.645 χ^2/NDF:40.7/47

Out: -740.739+/-819.232 χ^2/NDF:56.7/54

All: -539.973+/-595.664 χ^2/NDF: 97.6/102



Right In: 4880.885+/-0.980 χ^2/NDF: 3159382.3/24

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4353.865+/-0.880 χ^2/NDF: 5367644.5/29

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

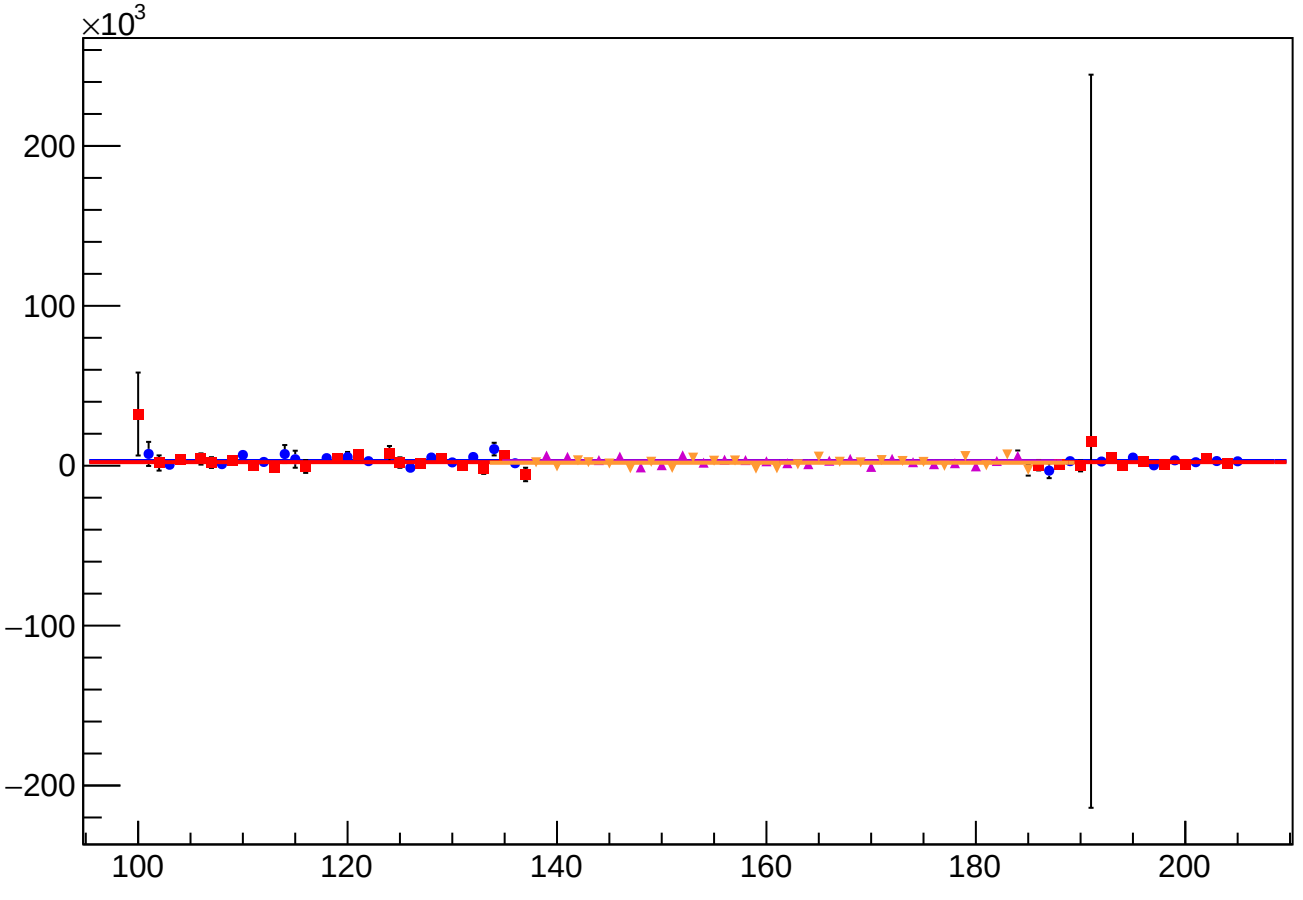
Left: 4675.061+/-0.550 χ^2/NDF: 2472251.2/47

Right: 4588.985+/-0.655 χ^2/NDF: 8687168.2/54

In: 4748.540+/-0.614 χ^2/NDF:4476085.3/47

Out: 4542.156+/-0.579 χ^2/NDF:6633639.7/54

All: 4639.429+/-0.421 χ^2/NDF: 11169550.8/1



Right In: 2955.438+/-537.143 χ^2/NDF: 16.5/24

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: 2238.946+/-518.195 χ^2/NDF: 23.4/29

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

Left: 2328.846+/-306.896 χ^2/NDF: 60.6/47

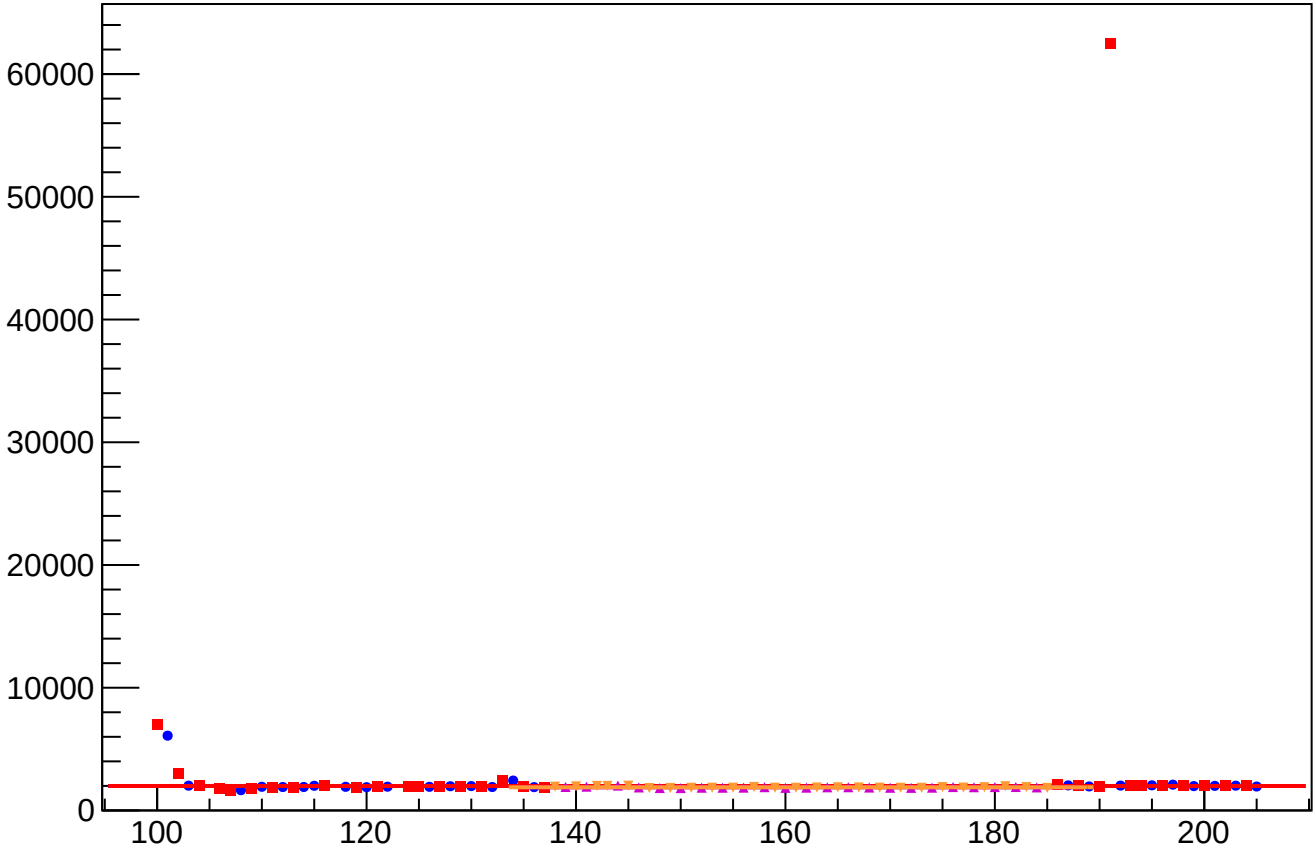
Right: 2584.332+/-372.938 χ^2/NDF: 40.8/54

In: 2861.349+/-340.025 χ^2/NDF:42.0/47

Out: 2026.511+/-330.444 χ^2/NDF:56.6/54

All: 2432.002+/-236.974 χ^2/NDF: 101.7/102

dit_asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 1992.835+/-0.380 χ^2/NDF: 674407.3/24

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1991.631+/-0.366 χ^2/NDF: 417878.4/29

Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

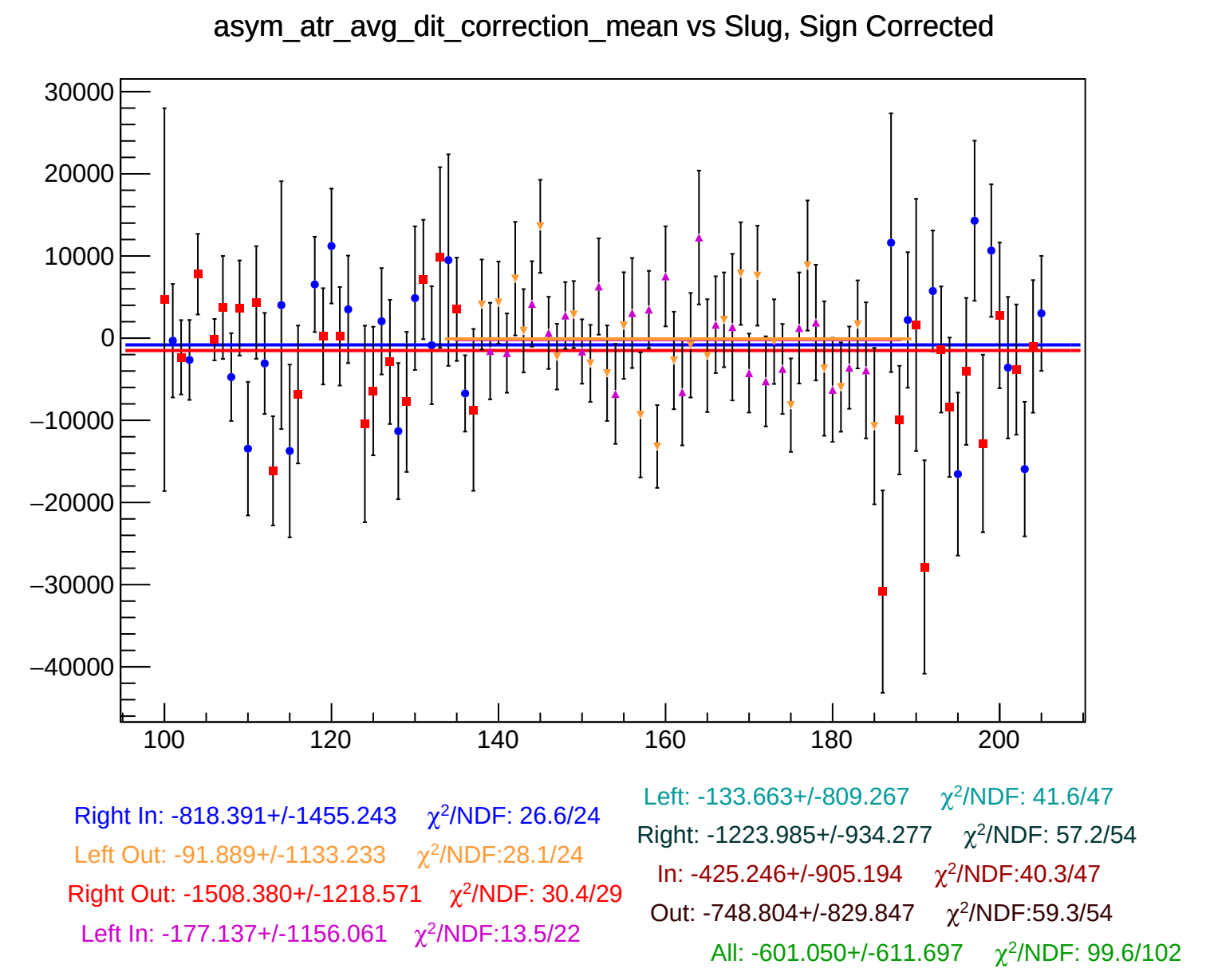
Left: 1884.142+/-0.217 χ^2/NDF: 51251.1/47

Right: 1992.211+/-0.264 χ^2/NDF: 1092290.8/54

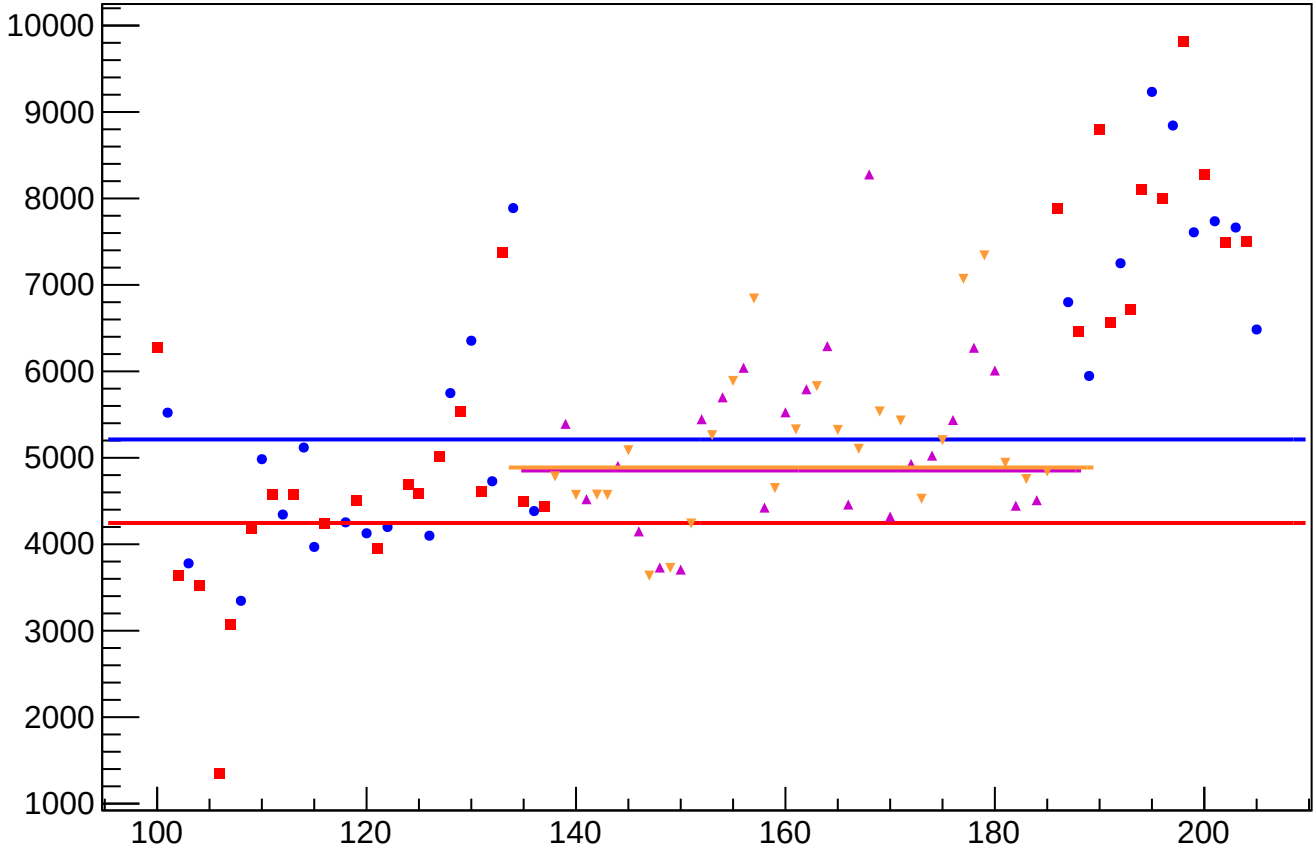
In: 1925.560+/-0.240 χ^2/NDF:745796.1/47

Out: 1929.892+/-0.234 χ^2/NDF:497737.6/54

All: 1927.788+/-0.168 χ^2/NDF: 1243700.7/10


asym_atr_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -818.391+/-1455.243 χ²/NDF: 26.6/24
Left Out: -91.889+/-1133.233 χ²/NDF:28.1/24
Right Out: -1508.380+/-1218.571 χ²/NDF: 30.4/29
Left In: -177.137+/-1156.061 χ²/NDF:13.5/22
Left: -133.663+/-809.267 χ²/NDF: 41.6/47
Right: -1223.985+/-934.277 χ²/NDF: 57.2/54
In: -425.246+/-905.194 χ²/NDF:40.3/47
Out: -748.804+/-829.847 χ²/NDF:59.3/54
All: -601.050+/-611.697 χ²/NDF: 99.6/102

asym_atr_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5212.246+/-1.029 χ^2/NDF: 2292587.1/24

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4246.229+/-0.862 χ^2/NDF: 6304139.2/29

Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

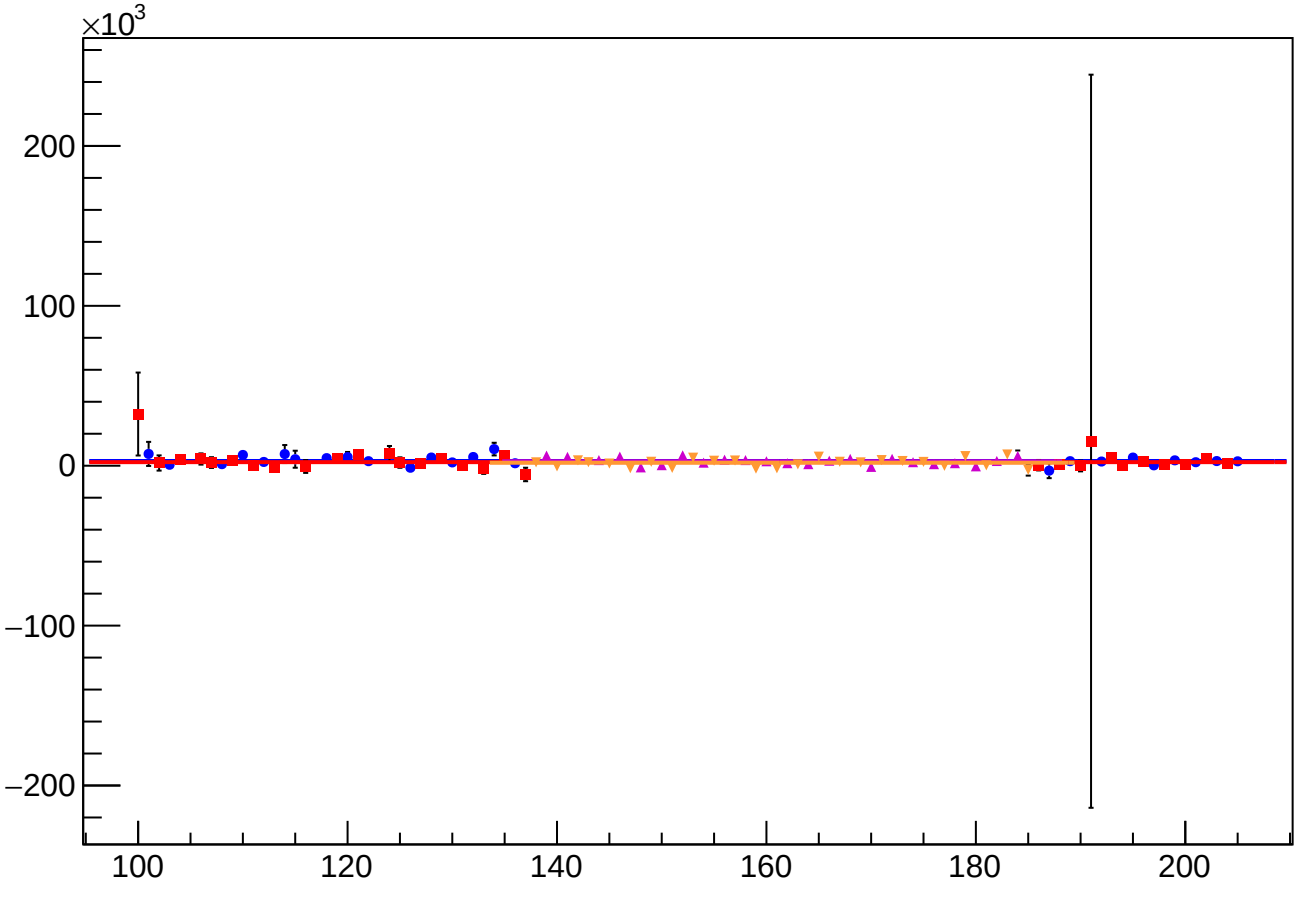
Left: 4870.937+/-0.572 χ^2/NDF: 2242841.7/47

Right: 4644.395+/-0.661 χ^2/NDF: 9114783.1/54

In: 4992.219+/-0.640 χ^2/NDF:3545797.7/47

Out: 4590.276+/-0.587 χ^2/NDF:7664745.7/54

All: 4773.825+/-0.433 χ^2/NDF: 11424808.3/1



Right In: 2955.438+/-537.143 χ^2/NDF: 16.5/24

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: 2238.946+/-518.195 χ^2/NDF: 23.4/29

Left In: 2798.435+/-439.234 χ^2/NDF:25.4/22

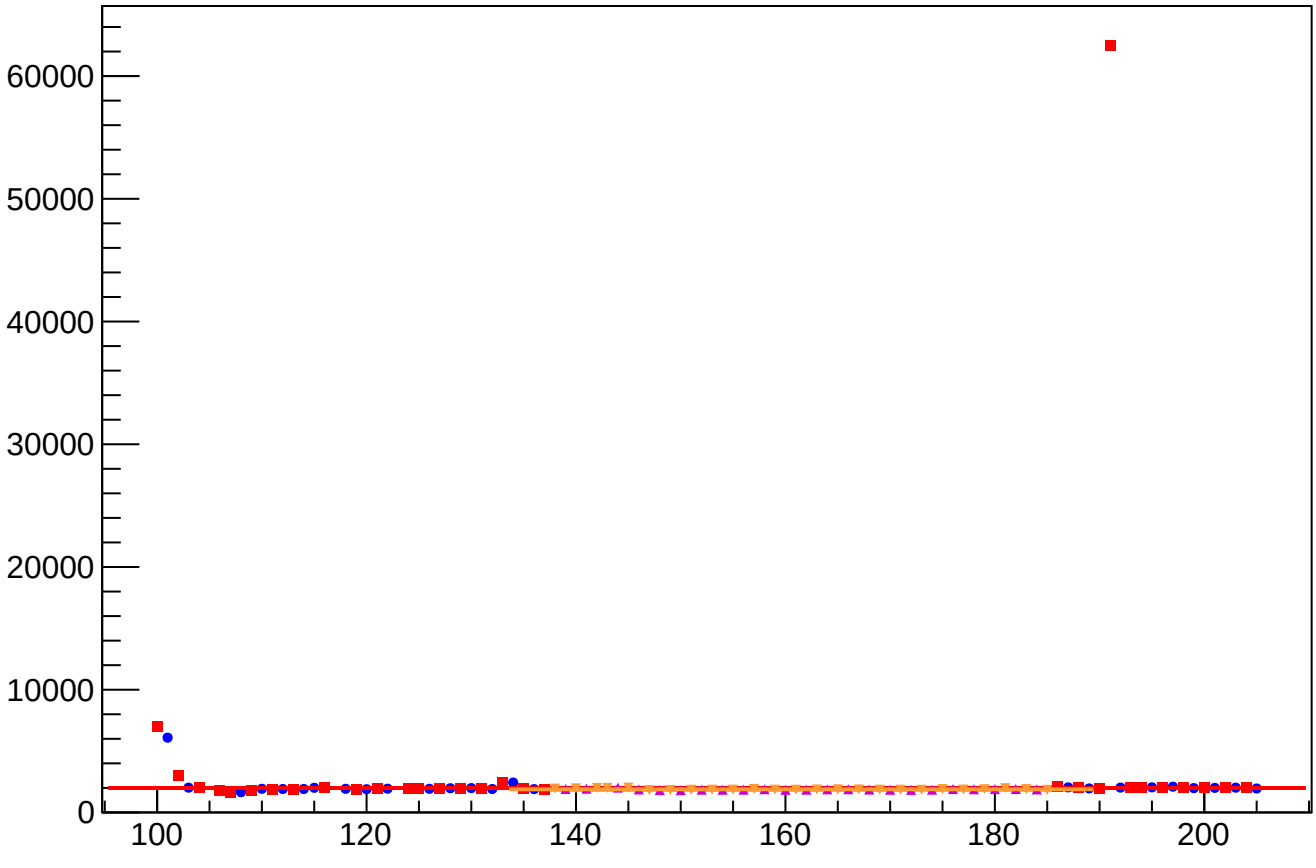
Left: 2328.844+/-306.896 χ^2/NDF: 60.6/47

Right: 2584.333+/-372.938 χ^2/NDF: 40.8/54

In: 2861.349+/-340.025 χ^2/NDF:42.0/47

Out: 2026.508+/-330.444 χ^2/NDF:56.6/54

All: 2432.001+/-236.974 χ^2/NDF: 101.7/102



Right In: 1992.834+/-0.380 χ^2/NDF: 674407.4/24

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

Right Out: 1991.630+/-0.366 χ^2/NDF: 417877.9/29

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

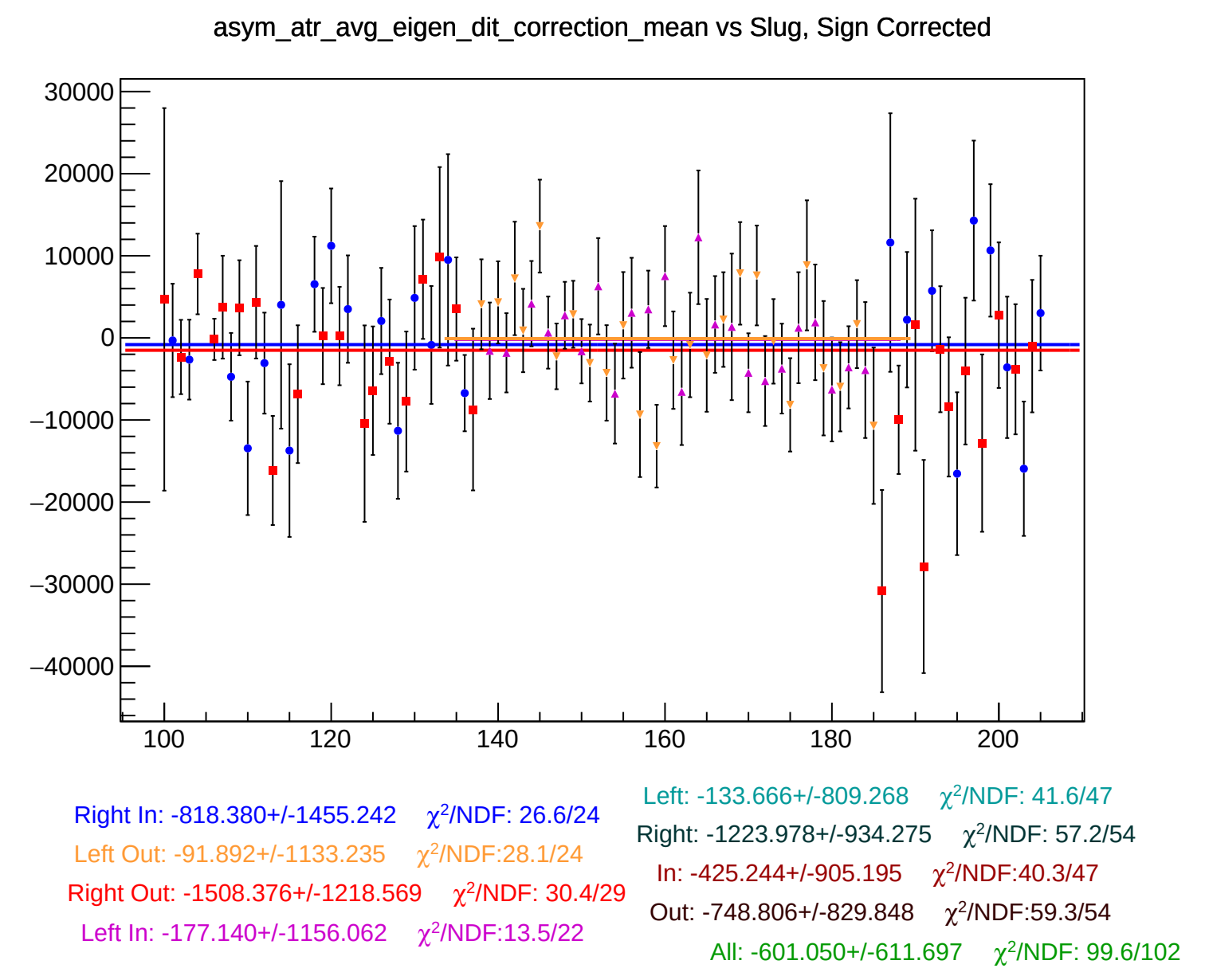
Left: 1884.143+/-0.217 χ^2/NDF: 51251.1/47

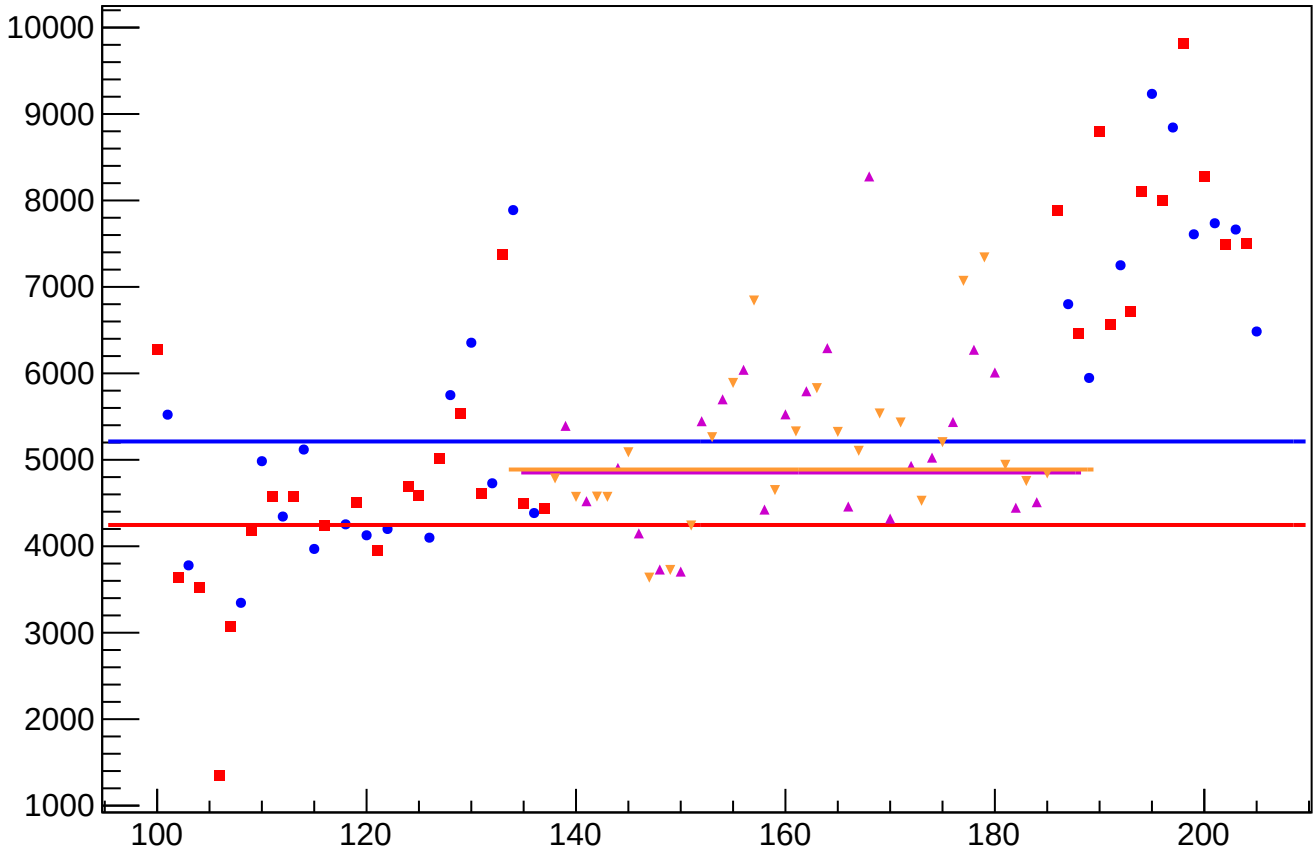
Right: 1992.211+/-0.264 χ^2/NDF: 1092290.6/54

In: 1925.560+/-0.240 χ^2/NDF:745795.4/47

Out: 1929.892+/-0.234 χ^2/NDF:497736.6/54

All: 1927.789+/-0.168 χ^2/NDF: 1243698.9/10


asym_atr_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -818.380+/-1455.242 χ²/NDF: 26.6/24
Left Out: -91.892+/-1133.235 χ²/NDF:28.1/24
Right Out: -1508.376+/-1218.569 χ²/NDF: 30.4/29
Left In: -177.140+/-1156.062 χ²/NDF:13.5/22
Left: -133.666+/-809.268 χ²/NDF: 41.6/47
Right: -1223.978+/-934.275 χ²/NDF: 57.2/54
In: -425.244+/-905.195 χ²/NDF:40.3/47
Out: -748.806+/-829.848 χ²/NDF:59.3/54
All: -601.050+/-611.697 χ²/NDF: 99.6/102



Right In: 5212.240+/-1.029 χ^2/NDF: 2292603.1/24

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4246.220+/-0.862 χ^2/NDF: 6304170.3/29

Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

Left: 4870.944+/-0.572 χ^2/NDF: 2242845.7/47

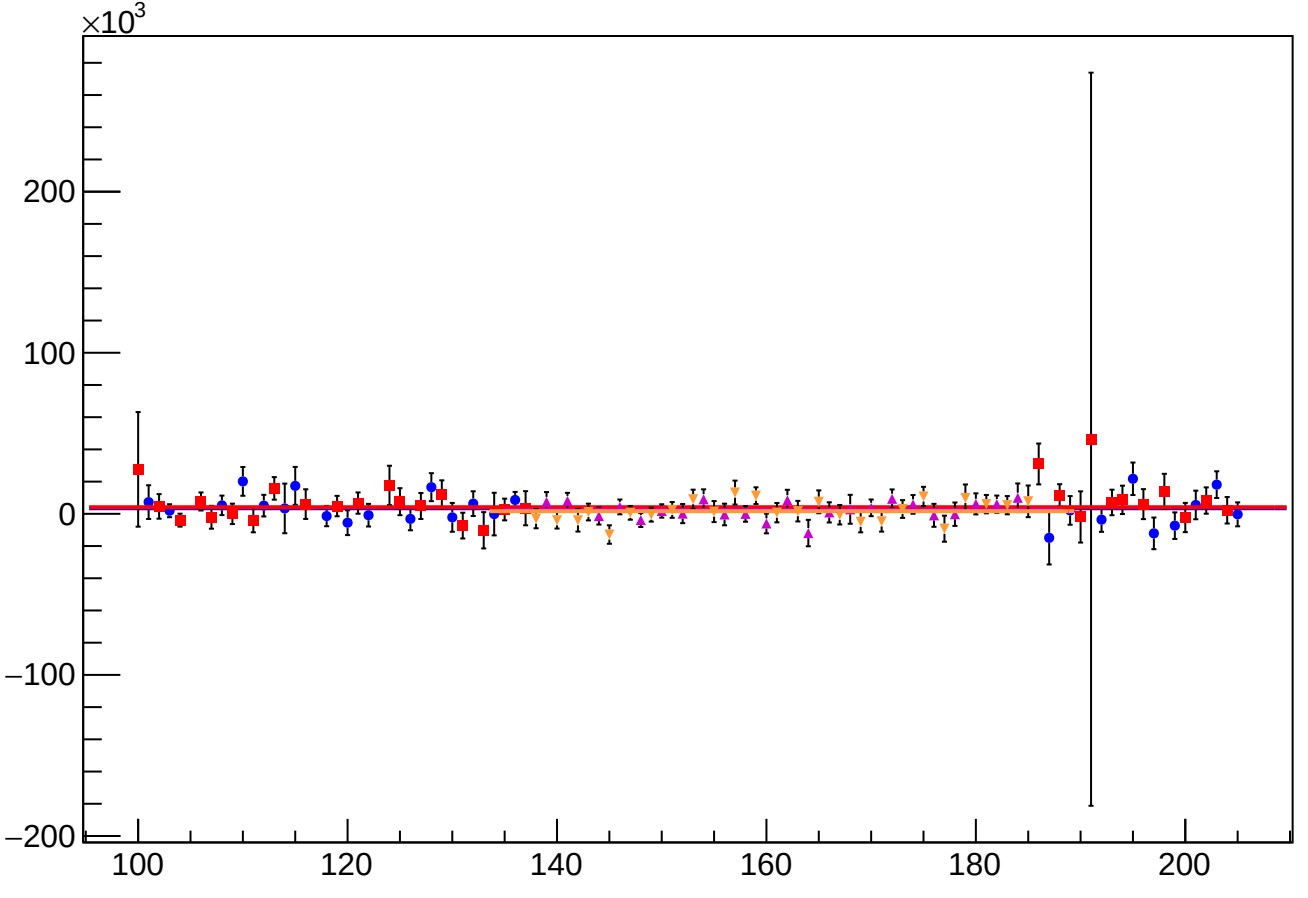
Right: 4644.387+/-0.661 χ^2/NDF: 9114835.0/54

In: 4992.222+/-0.640 χ^2/NDF:3545810.7/47

Out: 4590.275+/-0.587 χ^2/NDF:7664794.0/54

All: 4773.826+/-0.433 χ^2/NDF: 11424873.4/1

asym_atr_avg_mean vs Slug, Sign Corrected



Right In: 3468.720+/-1526.695 χ^2/NDF: 25.6/24

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: 4104.168+/-1443.994 χ^2/NDF: 23.9/29

Left In: 2563.603+/-1204.450 χ^2/NDF:16.0/22

Left: 2099.270+/-842.406 χ^2/NDF: 42.2/47

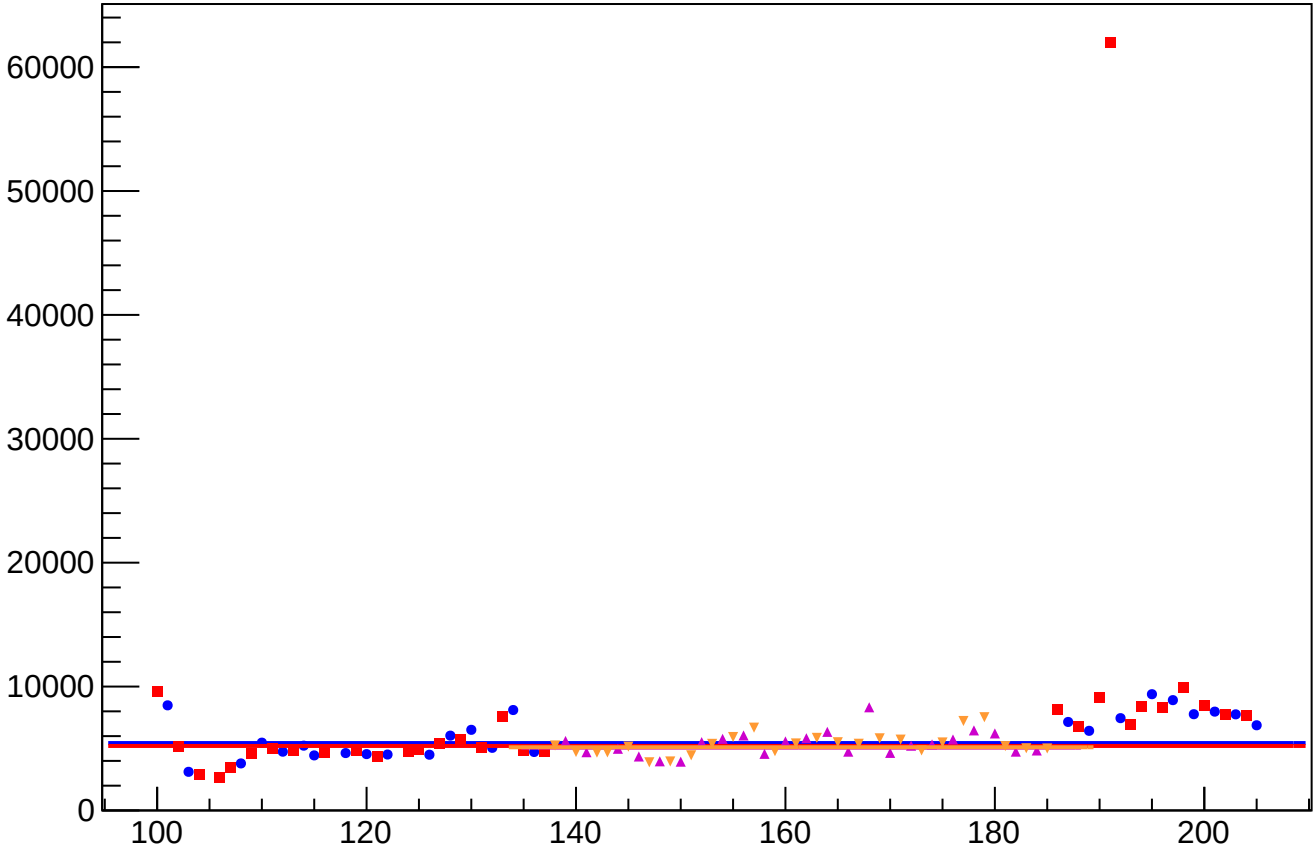
Right: 3804.120+/-1049.077 χ^2/NDF: 49.6/54

In: 2910.834+/-945.604 χ^2/NDF:41.7/47

Out: 2634.073+/-913.093 χ^2/NDF:51.6/54

All: 2767.614+/-656.847 χ^2/NDF: 93.4/102

asym_atr_avg_rms vs Slug, Sign Corrected



Right In: 5439.752+/-1.080 χ^2/NDF: 2610700.1/24

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5206.052+/-1.014 χ^2/NDF: 3545581.8/29

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

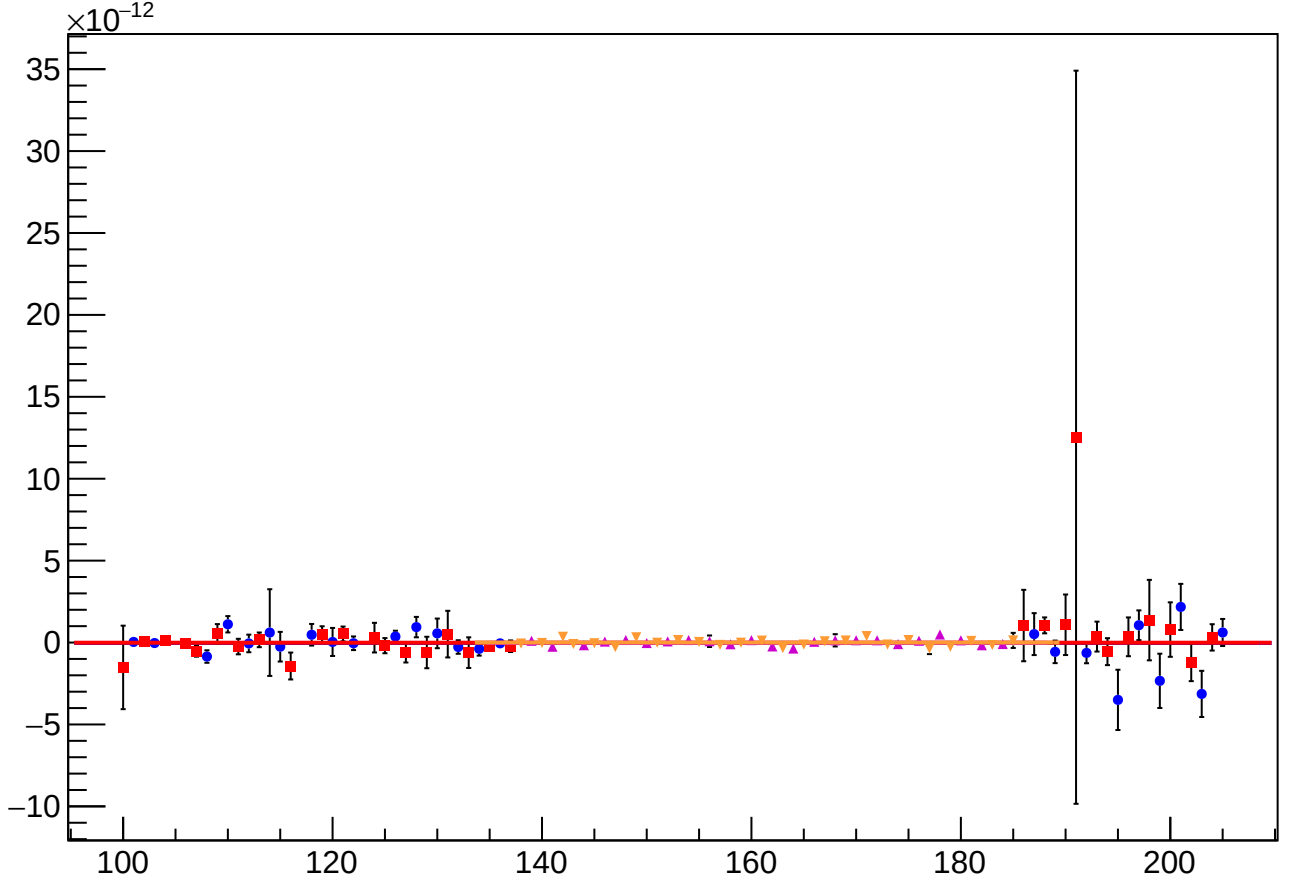
Left: 5087.385+/-0.596 χ^2/NDF: 1901763.2/47

Right: 5315.644+/-0.739 χ^2/NDF: 6181169.6/54

In: 5214.032+/-0.669 χ^2/NDF:3673544.6/47

Out: 5143.119+/-0.644 χ^2/NDF:4461358.6/54

All: 5177.243+/-0.464 χ^2/NDF: 8140738.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/29

Left In: -0.000+/-0.000 χ^2/NDF:32.4/22

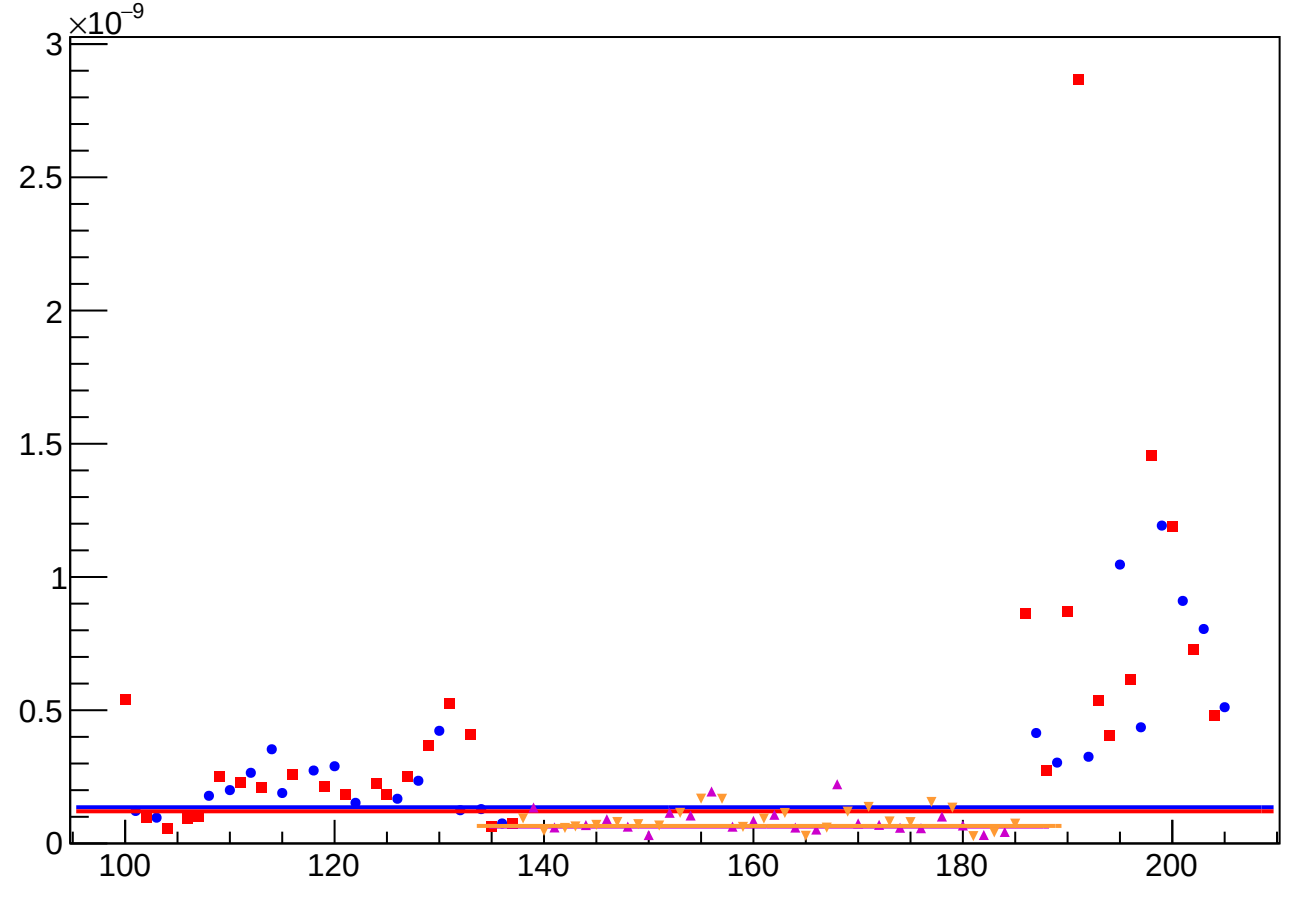
Left: -0.000+/-0.000 χ^2/NDF: 65.9/47

Right: -0.000+/-0.000 χ^2/NDF: 55.8/54

In: -0.000+/-0.000 χ^2/NDF:64.9/47

Out: -0.000+/-0.000 χ^2/NDF:56.5/54

All: -0.000+/-0.000 χ^2/NDF: 121.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 4609504.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6164920.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

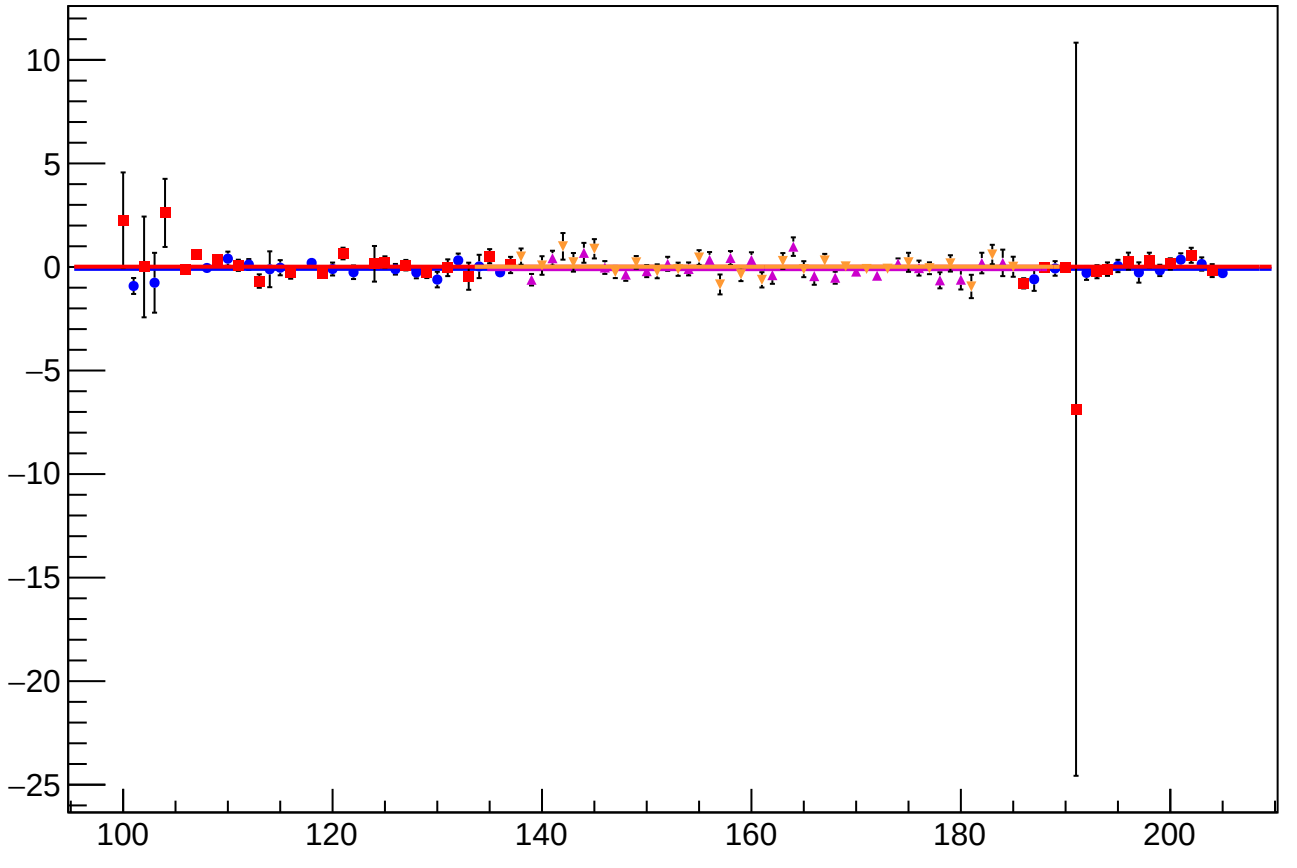
Left: 0.000+/-0.000 χ^2/NDF: 4678116.7/47

Right: 0.000+/-0.000 χ^2/NDF: 10818765.0/54

In: 0.000+/-0.000 χ^2/NDF:8520608.8/47

Out: 0.000+/-0.000 χ^2/NDF:9685436.9/54

All: 0.000+/-0.000 χ^2/NDF: 18207181.1/102



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

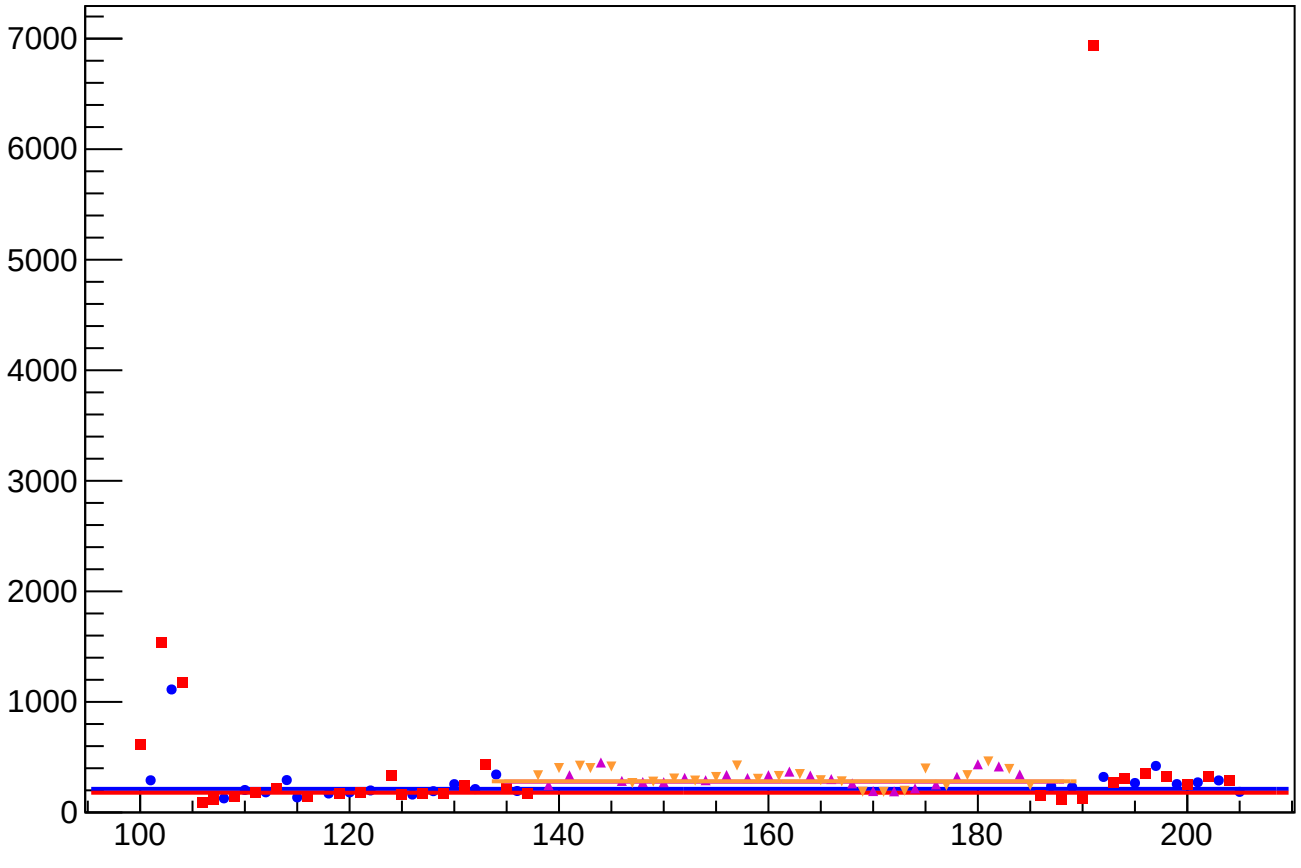
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.030+/-0.040 χ^2/NDF: 65.6/54

In: -0.097+/-0.046 χ^2/NDF:50.4/47

Out: 0.013+/-0.042 χ^2/NDF:70.2/54

All: -0.037+/-0.031 χ^2/NDF: 123.7/102



Right In: 213.358+/-0.044 χ^2/NDF: 2559086.6/24

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.573+/-0.037 χ^2/NDF: 5415428.8/29

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

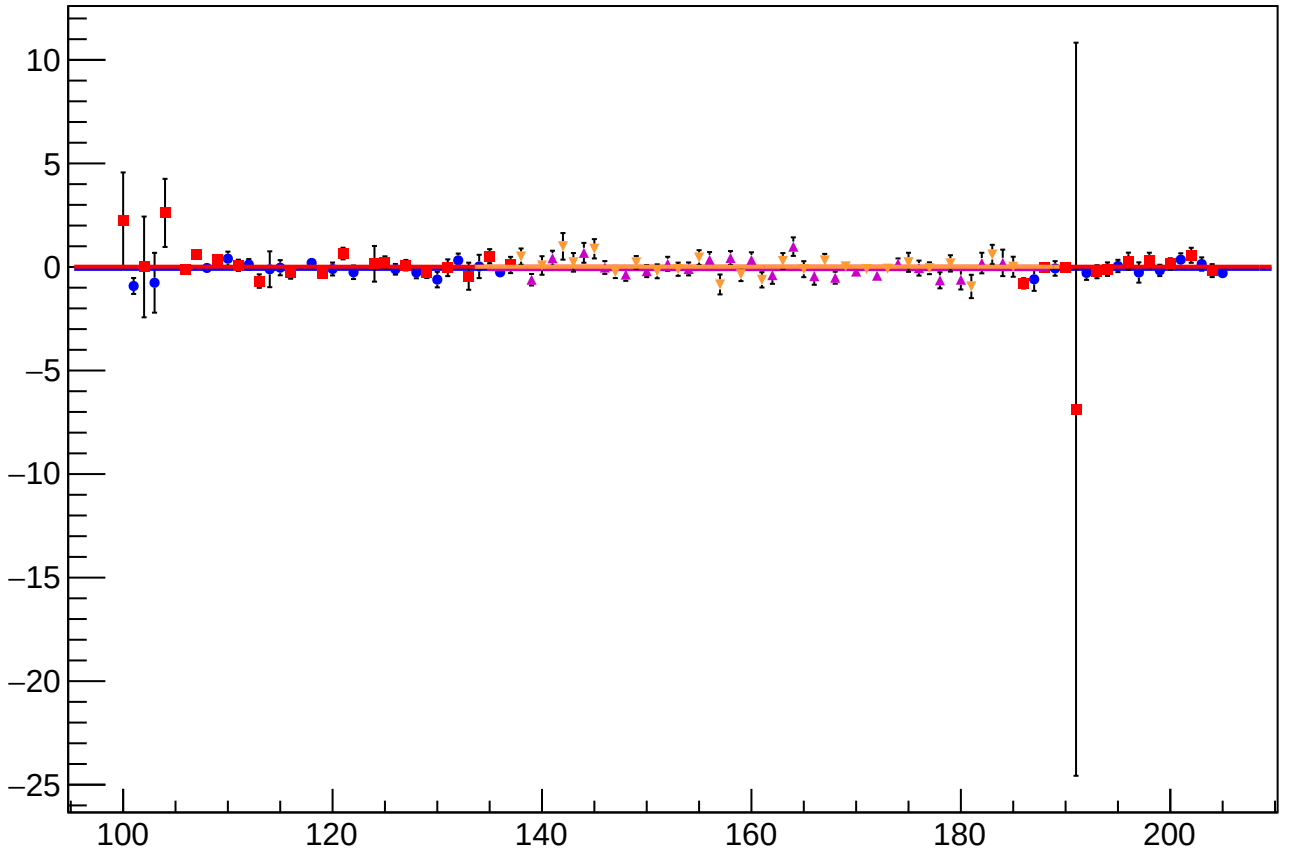
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 193.156+/-0.028 χ^2/NDF: 8338428.7/54

In: 242.681+/-0.033 χ^2/NDF:5346597.9/47

Out: 217.374+/-0.029 χ^2/NDF:10810100.9/54

All: 228.779+/-0.022 χ^2/NDF: 16488431.2/10



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

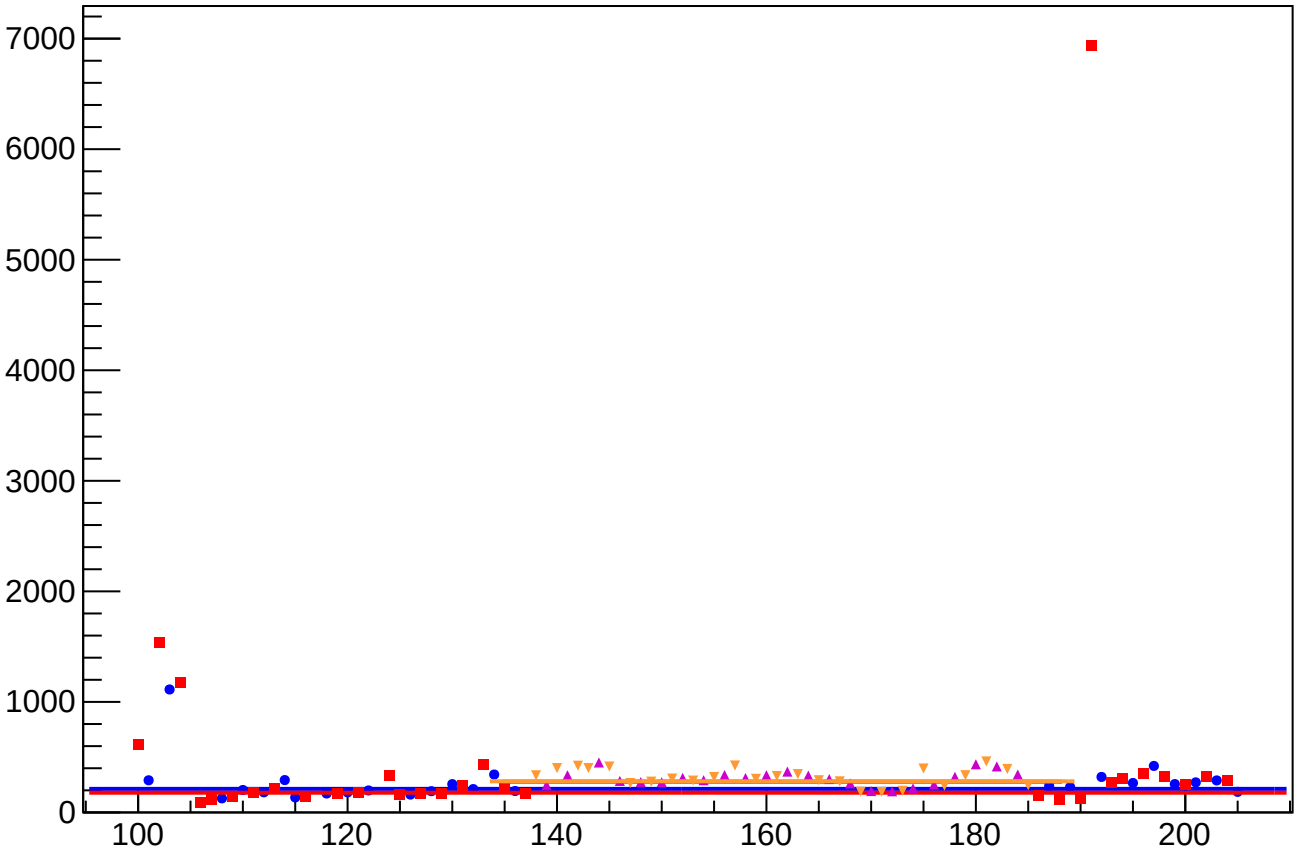
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.030+/-0.040 χ^2/NDF: 65.6/54

In: -0.097+/-0.046 χ^2/NDF:50.4/47

Out: 0.013+/-0.042 χ^2/NDF:70.2/54

All: -0.037+/-0.031 χ^2/NDF: 123.7/102



Right In: 213.358+/-0.044 χ^2/NDF: 2559086.6/24

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.573+/-0.037 χ^2/NDF: 5415428.8/29

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

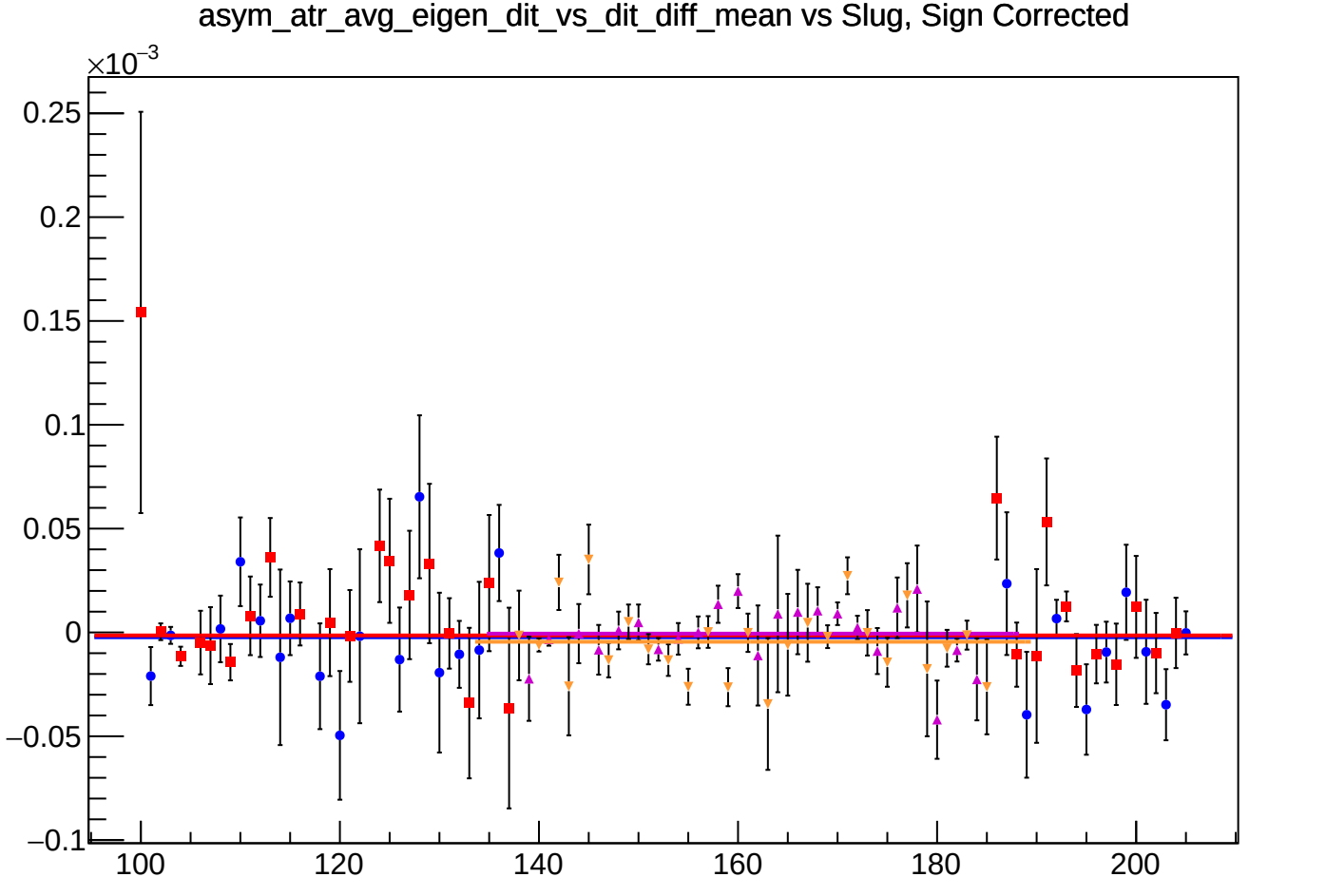
Left: 280.127+/-0.034 χ^2/NDF: 4323003.2/47

Right: 193.156+/-0.028 χ^2/NDF: 8338428.7/54

In: 242.681+/-0.033 χ^2/NDF:5346597.9/47

Out: 217.374+/-0.029 χ^2/NDF:10810100.9/54

All: 228.779+/-0.022 χ^2/NDF: 16488431.2/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.4/29

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

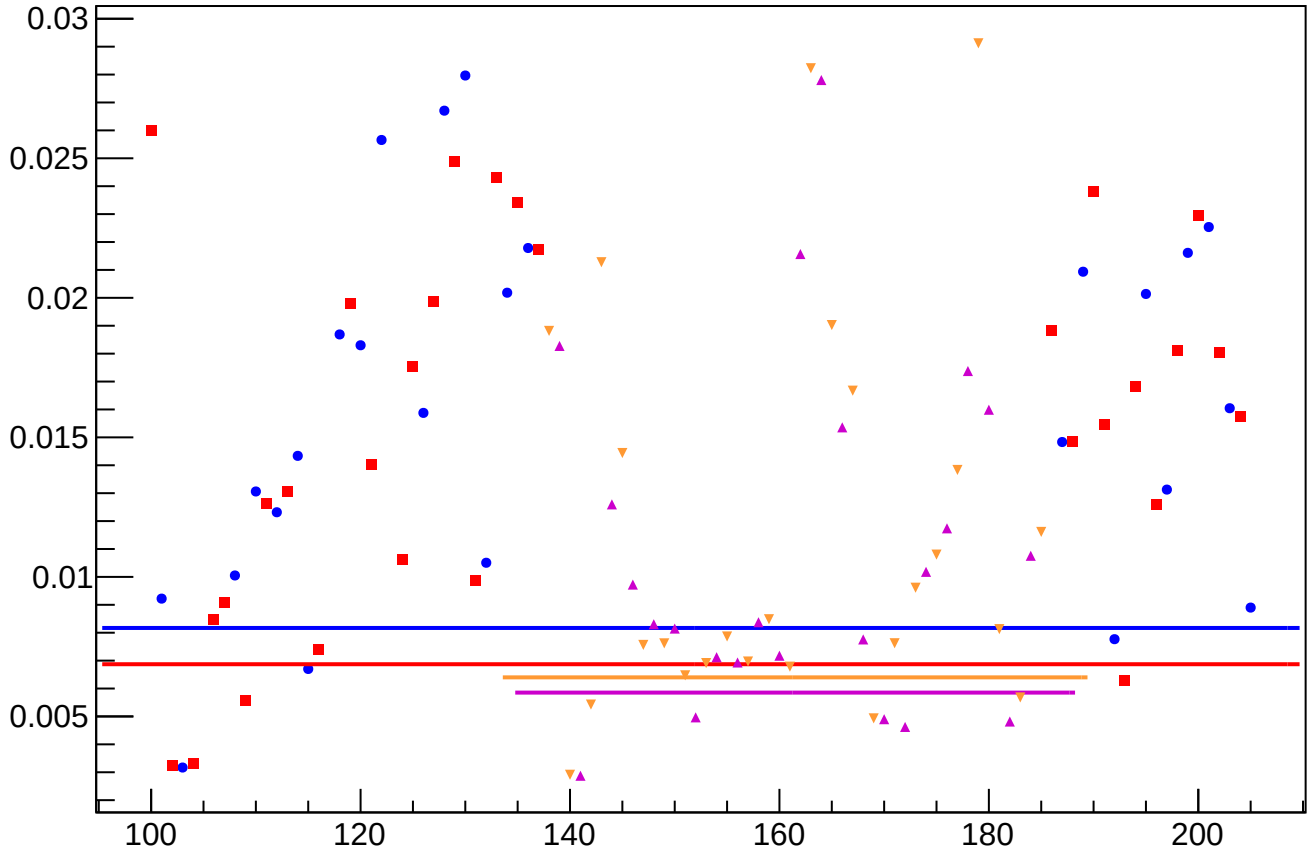
Left: -0.000+/-0.000 χ^2/NDF: 78.2/47

Right: -0.000+/-0.000 χ^2/NDF: 61.8/54

In: -0.000+/-0.000 χ^2/NDF:54.7/47

Out: -0.000+/-0.000 χ^2/NDF:83.9/54

All: -0.000+/-0.000 χ^2/NDF: 140.1/102



Right In: 0.008+/-0.000 χ^2/NDF: 9436824.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 11466753.4/29

Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

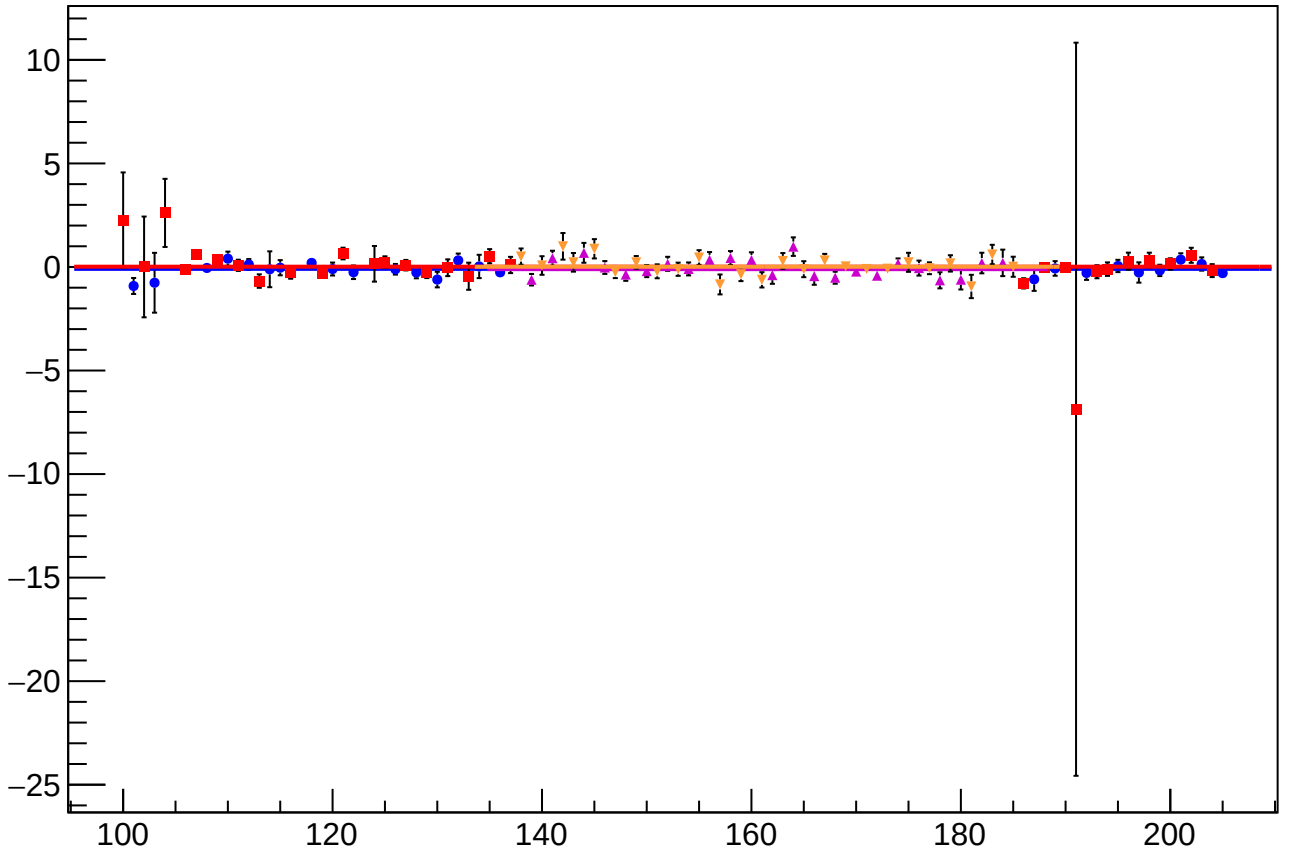
Left: 0.006+/-0.000 χ^2/NDF: 17214563.0/47

Right: 0.007+/-0.000 χ^2/NDF: 21165851.3/54

In: 0.006+/-0.000 χ^2/NDF:18605976.9/47

Out: 0.007+/-0.000 χ^2/NDF:20486330.3/54

All: 0.007+/-0.000 χ^2/NDF: 39100818.3/102



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

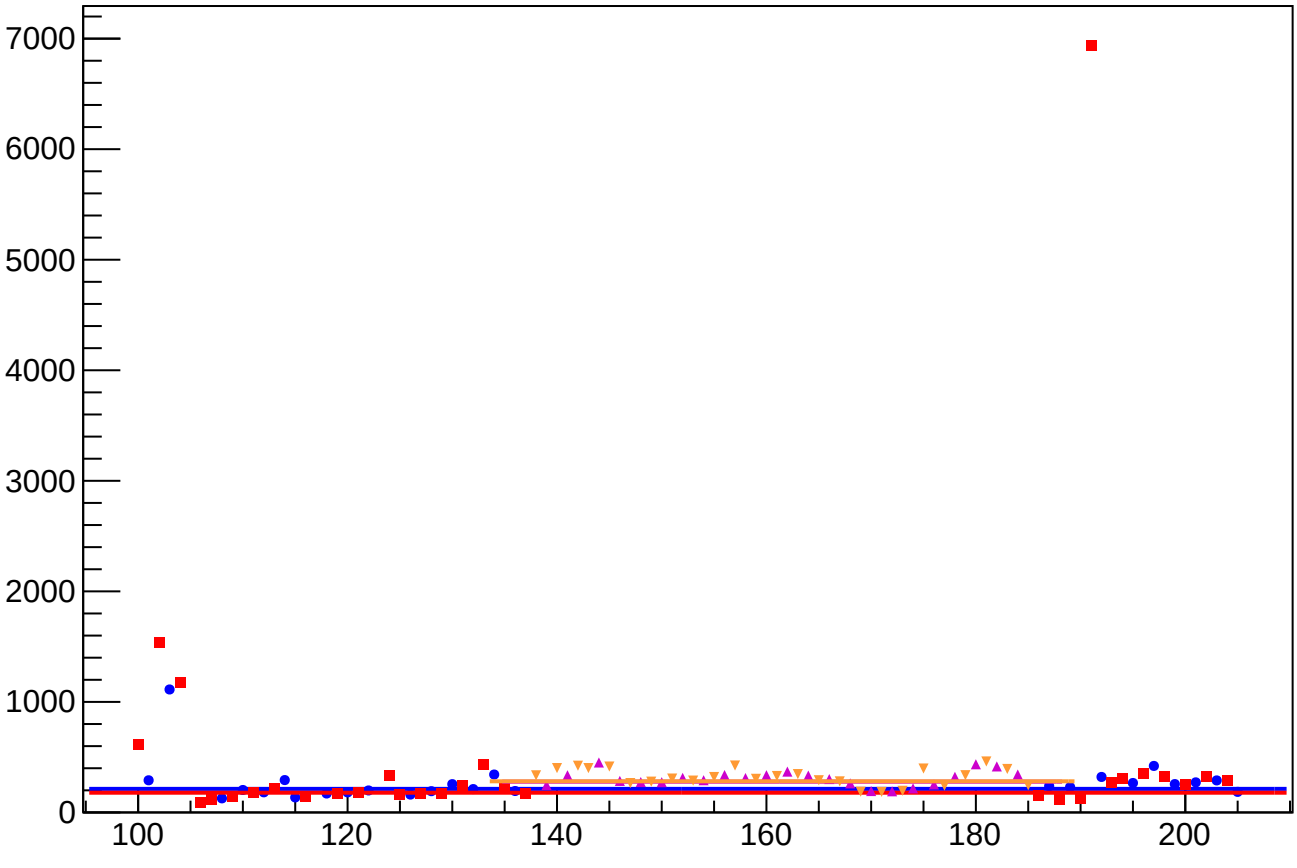
Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

Right: -0.030+/-0.040 χ^2/NDF: 65.6/54

In: -0.097+/-0.046 χ^2/NDF:50.4/47

Out: 0.013+/-0.042 χ^2/NDF:70.2/54

All: -0.037+/-0.031 χ^2/NDF: 123.7/102



Right In: 213.358+/-0.044 χ^2/NDF: 2559098.4/24

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.570+/-0.037 χ^2/NDF: 5415593.3/29

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

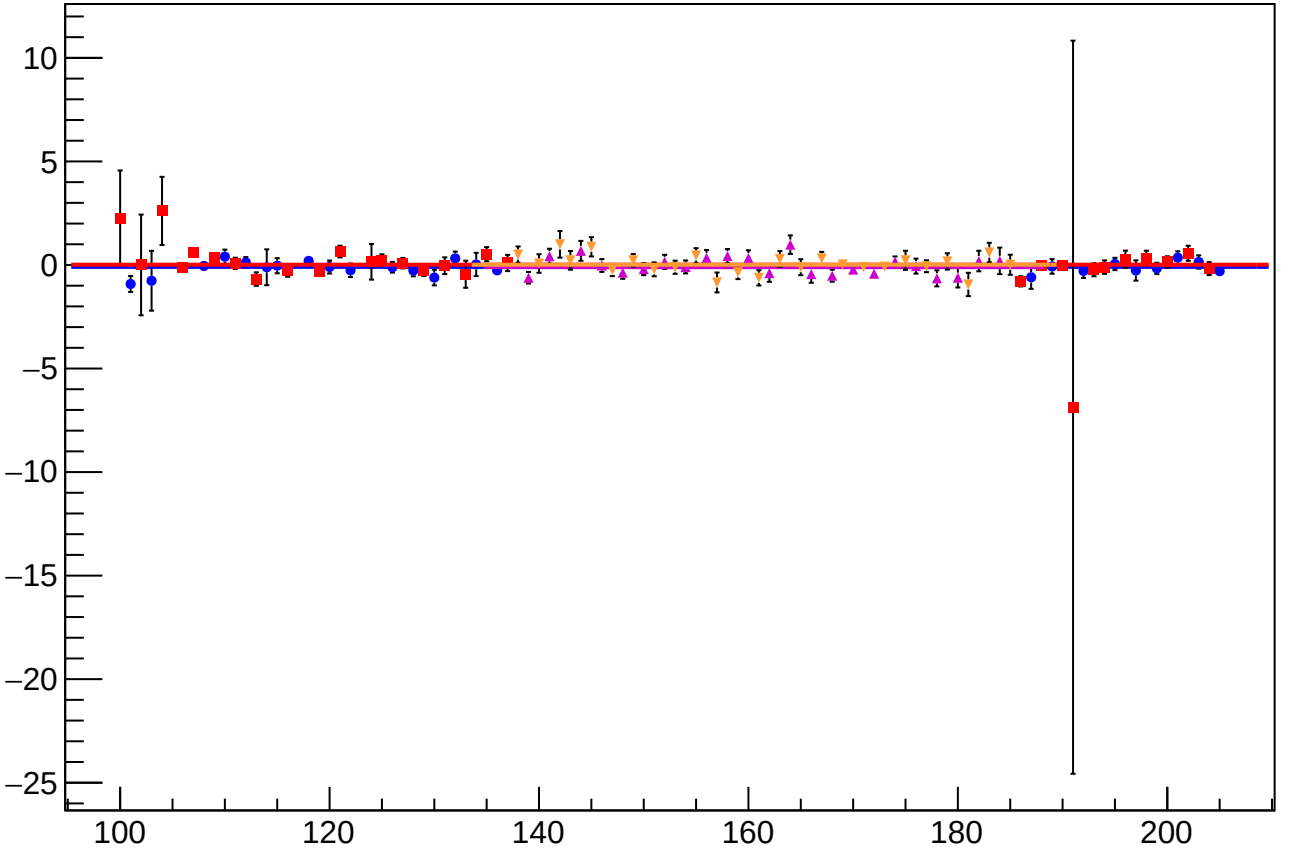
Right: 193.154+/-0.028 χ^2/NDF: 8338669.8/54

In: 242.682+/-0.033 χ^2/NDF:5346727.1/47

Out: 217.372+/-0.029 χ^2/NDF:10810644.6/54

All: 228.778+/-0.022 χ^2/NDF: 16489175.1/10

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: 0.014+/-0.053 χ^2/NDF: 45.0/29

Left In: -0.105+/-0.069 χ^2/NDF:31.4/22

Left: -0.046+/-0.048 χ^2/NDF: 58.1/47

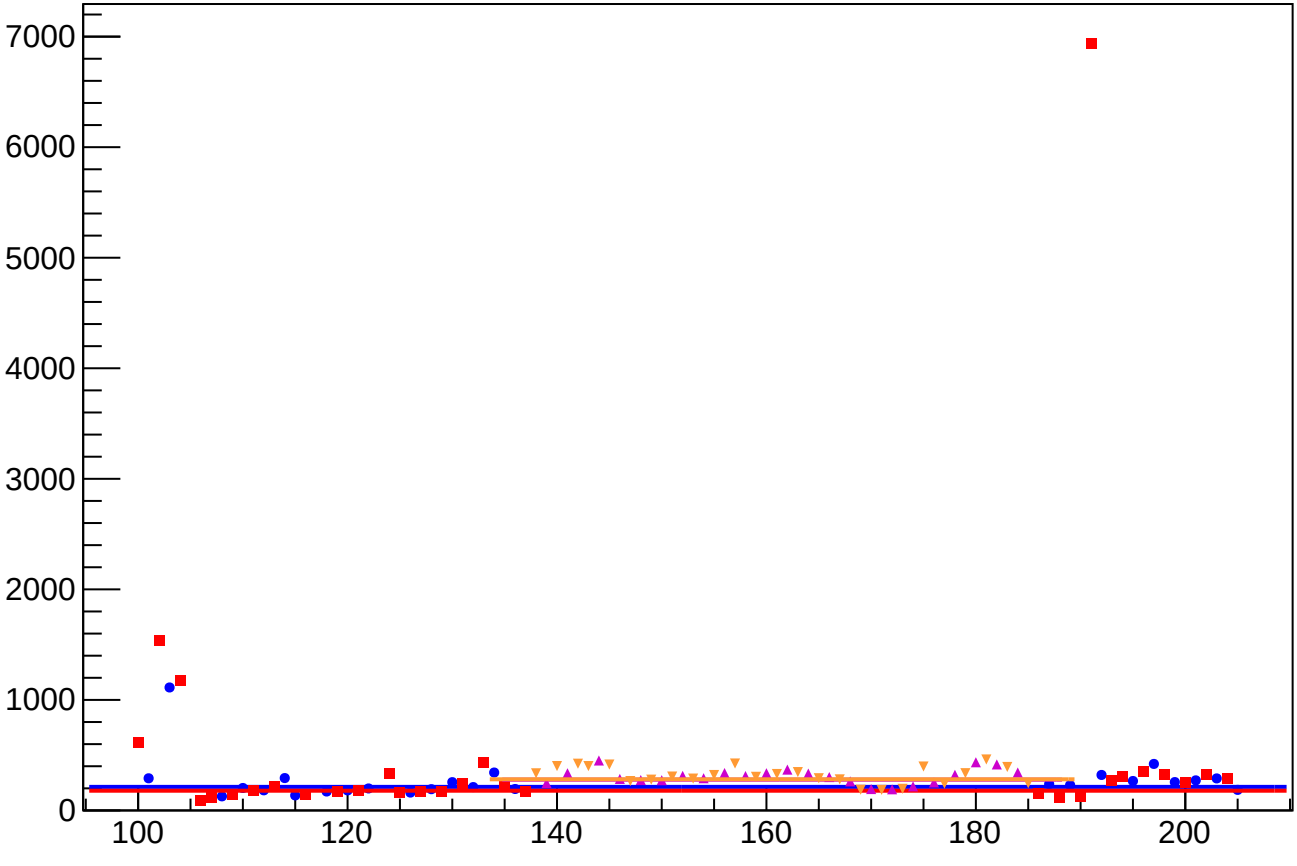
Right: -0.030+/-0.040 χ^2/NDF: 65.6/54

In: -0.097+/-0.046 χ^2/NDF:50.4/47

Out: 0.013+/-0.042 χ^2/NDF:70.2/54

All: -0.037+/-0.031 χ^2/NDF: 123.7/102

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 213.358+/-0.044 χ^2/NDF: 2559098.4/24

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 178.570+/-0.037 χ^2/NDF: 5415593.3/29

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

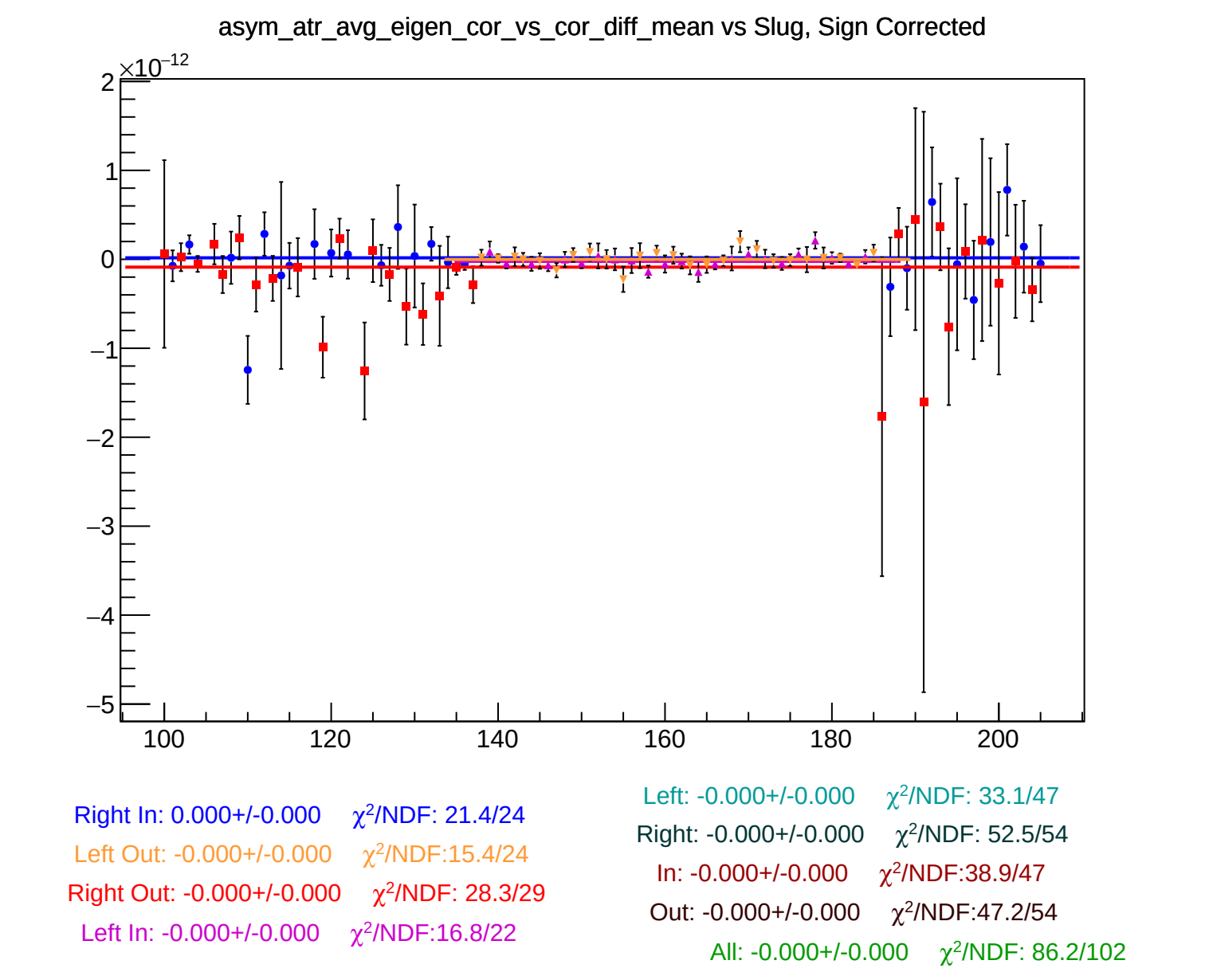
Left: 280.130+/-0.034 χ^2/NDF: 4323107.7/47

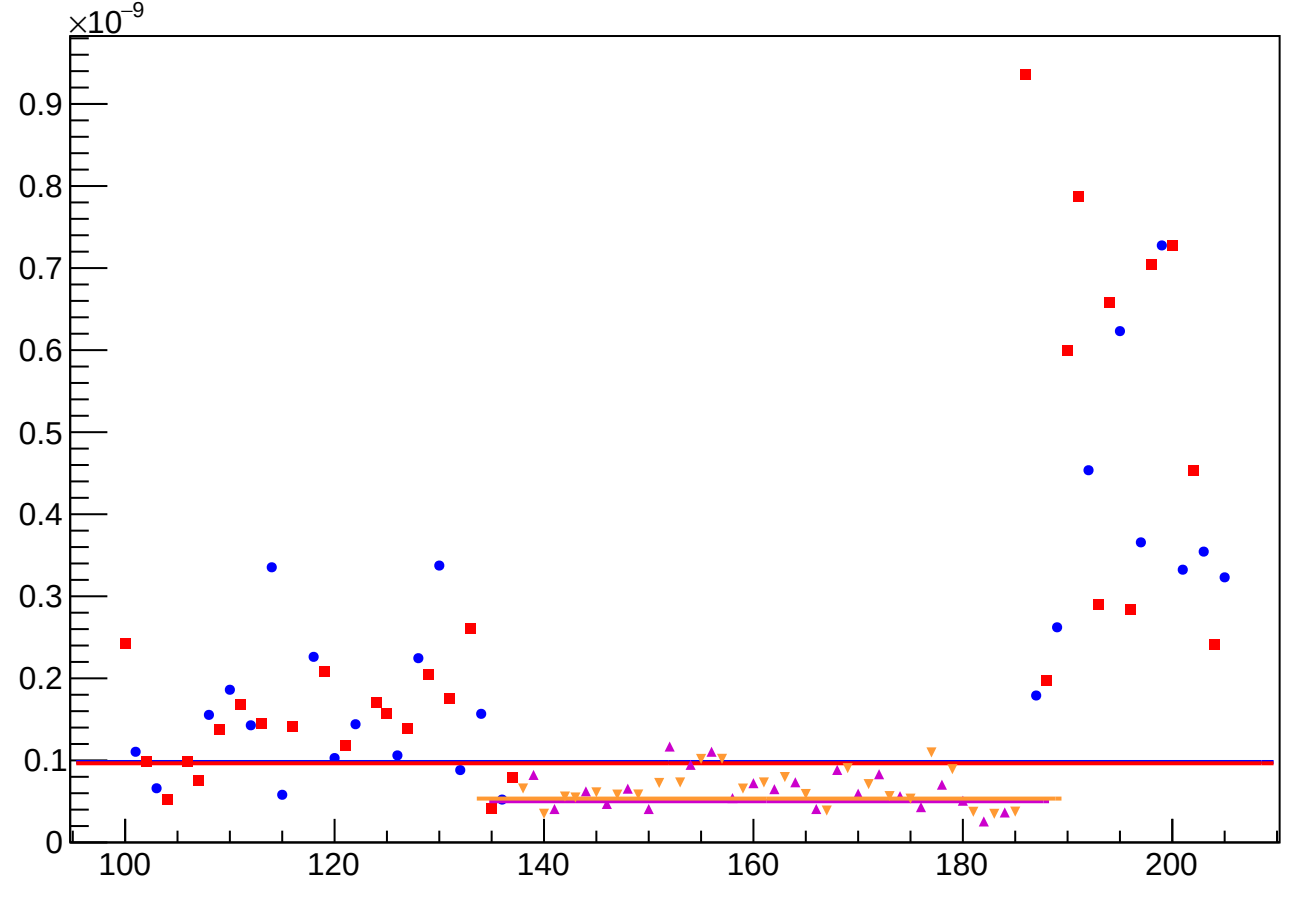
Right: 193.154+/-0.028 χ^2/NDF: 8338669.8/54

In: 242.682+/-0.033 χ^2/NDF:5346727.1/47

Out: 217.372+/-0.029 χ^2/NDF:10810644.6/54

All: 228.778+/-0.022 χ^2/NDF: 16489175.1/10


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: 21.4/24
Left Out: -0.000+/-0.000 χ²/NDF:15.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.3/29
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: 52.5/54
In: -0.000+/-0.000 χ²/NDF:38.9/47
Out: -0.000+/-0.000 χ²/NDF:47.2/54
All: -0.000+/-0.000 χ²/NDF: 86.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 6524104.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7235689.6/29

Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6193032.5/47

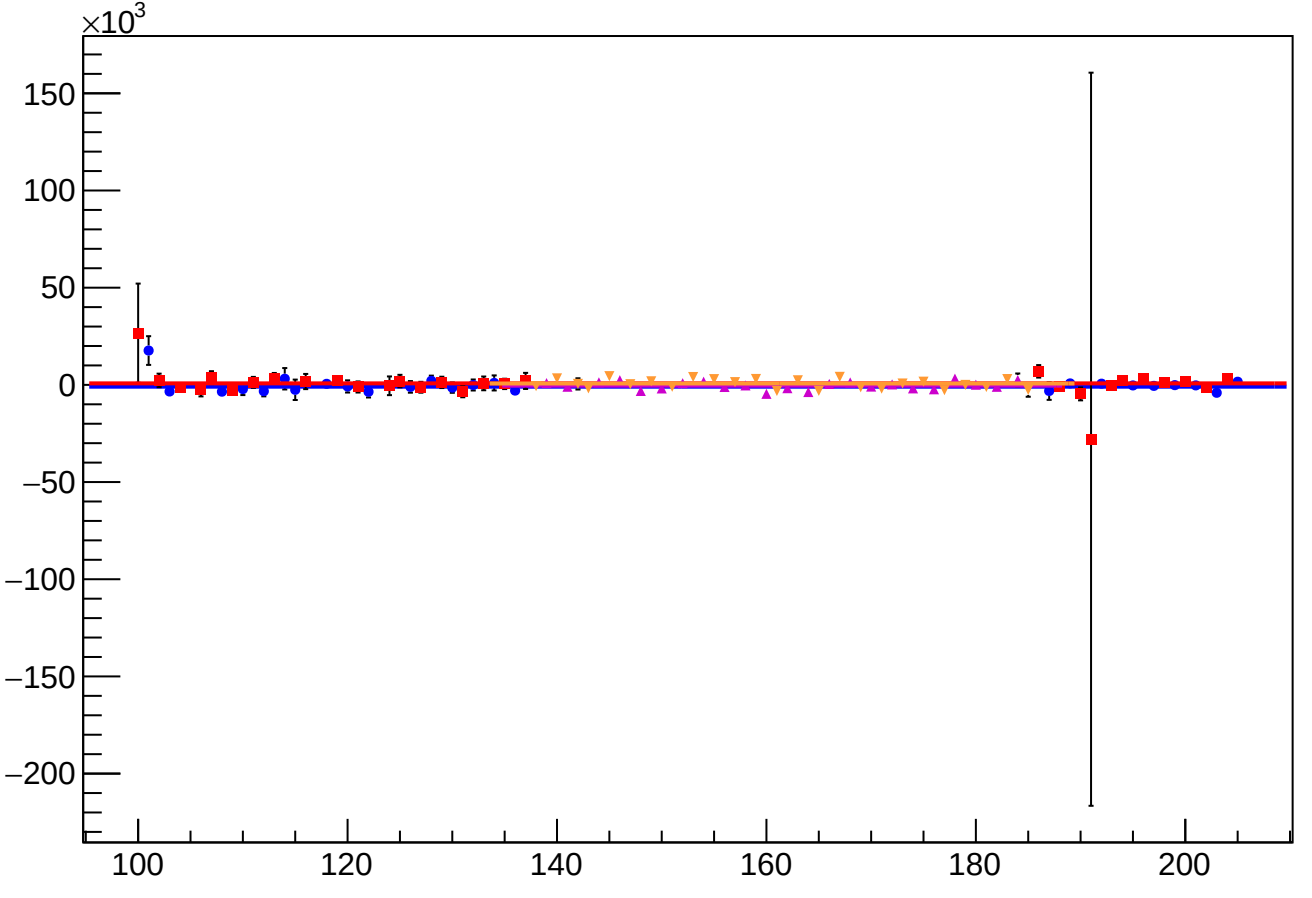
Right: 0.000+/-0.000 χ^2/NDF: 13761087.3/54

In: 0.000+/-0.000 χ^2/NDF:11973338.3/47

Out: 0.000+/-0.000 χ^2/NDF:11763992.2/54

All: 0.000+/-0.000 χ^2/NDF: 23781667.1/102

reg_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -934.674+/-518.933 χ^2/NDF: 19.5/24

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: 771.800+/-500.020 χ^2/NDF: 22.5/29

Left In: -403.144+/-426.215 χ^2/NDF:20.7/22

Left: 165.568+/-297.476 χ^2/NDF: 56.1/47

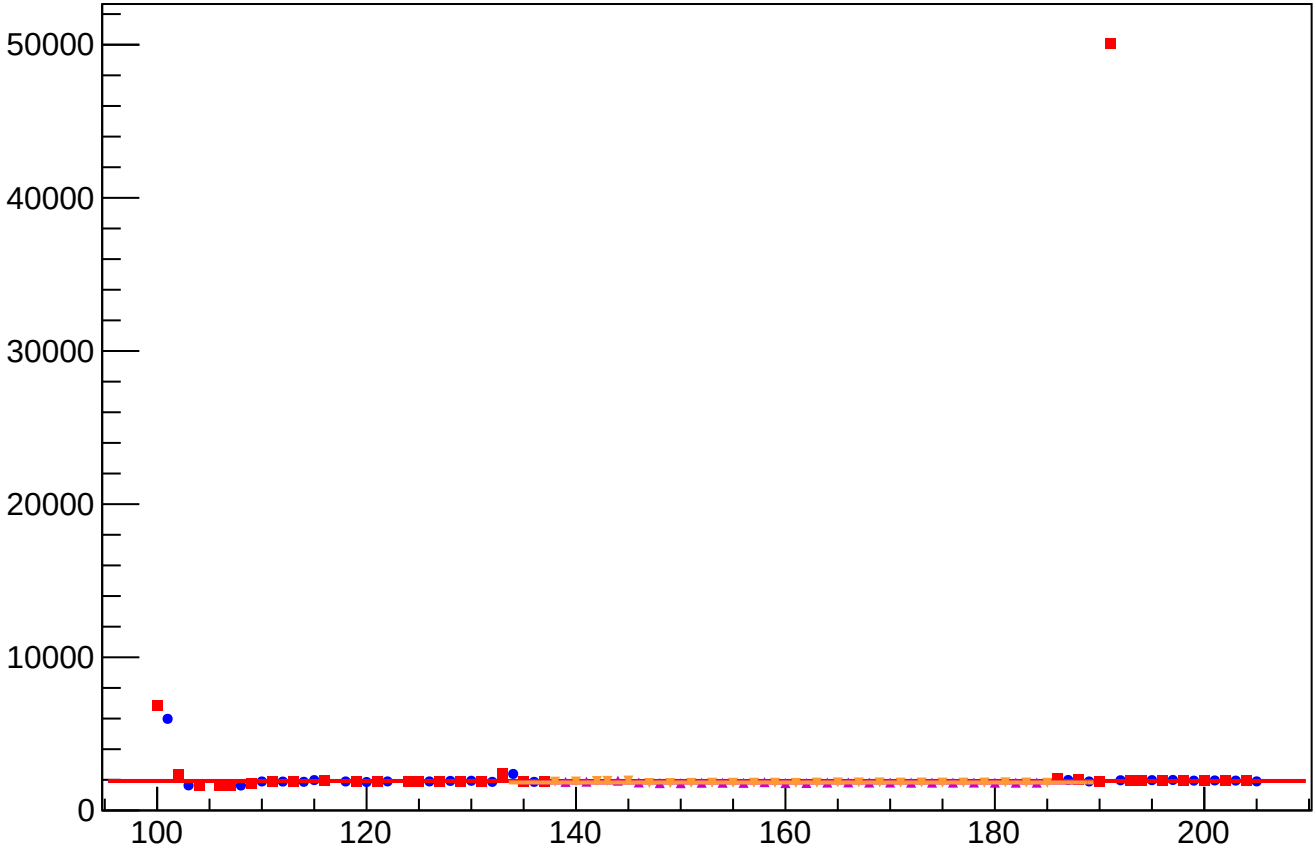
Right: -49.774+/-360.068 χ^2/NDF: 47.5/54

In: -617.263+/-329.363 χ^2/NDF:40.8/47

Out: 732.715+/-319.515 χ^2/NDF:54.4/54

All: 78.212+/-229.334 χ^2/NDF: 103.9/102

reg_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.3/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1924.247+/-0.353 χ^2/NDF: 375087.9/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

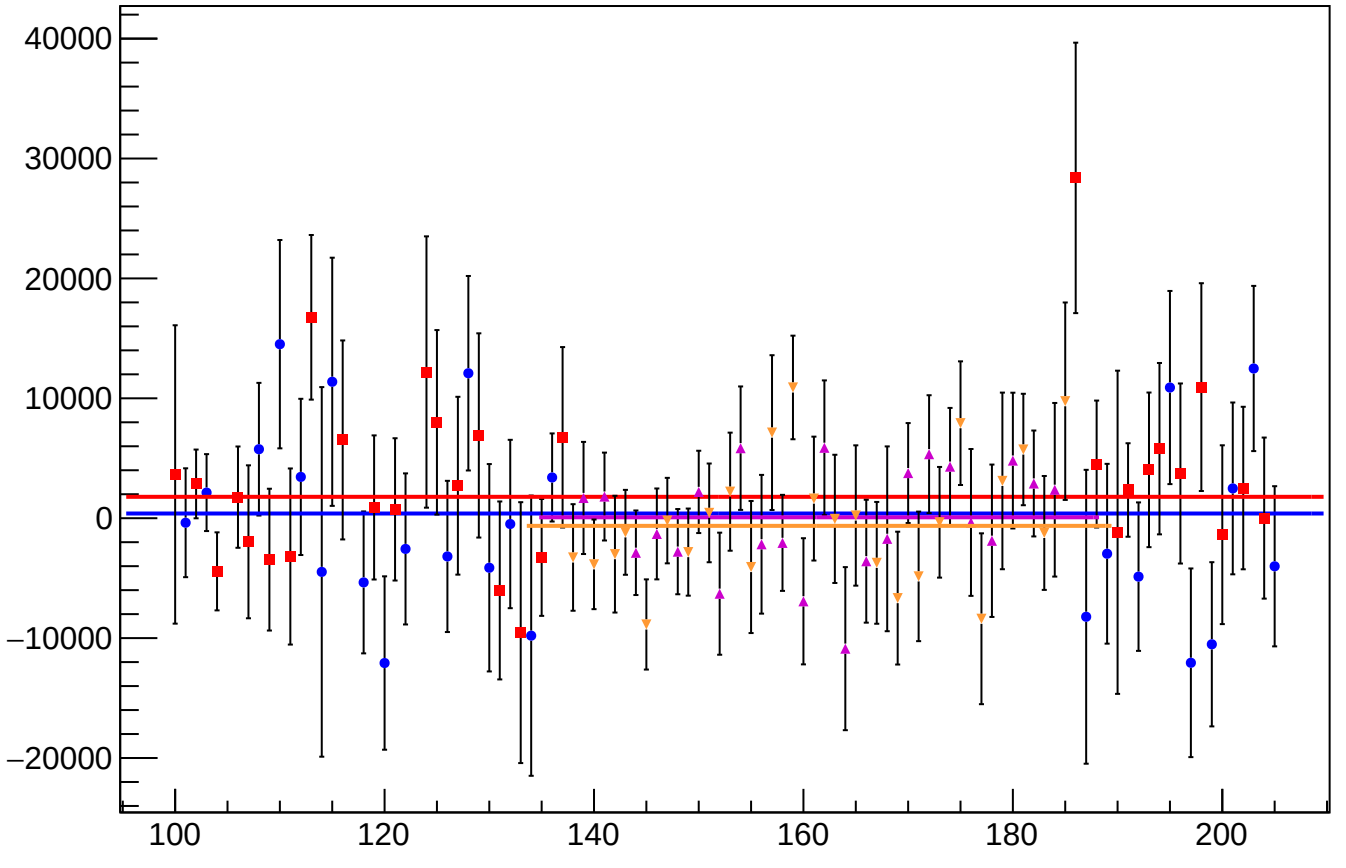
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1924.392+/-0.254 χ^2/NDF: 1081556.5/54

In: 1865.200+/-0.233 χ^2/NDF:763634.7/47

Out: 1867.523+/-0.226 χ^2/NDF:438129.1/54

All: 1866.398+/-0.162 χ^2/NDF: 1201815.0/10



Right In: 392.163+/-1266.565 χ^2/NDF: 25.4/24

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: 1784.146+/-1093.286 χ^2/NDF: 23.9/29

Left In: 75.764+/-980.243 χ^2/NDF:15.4/22

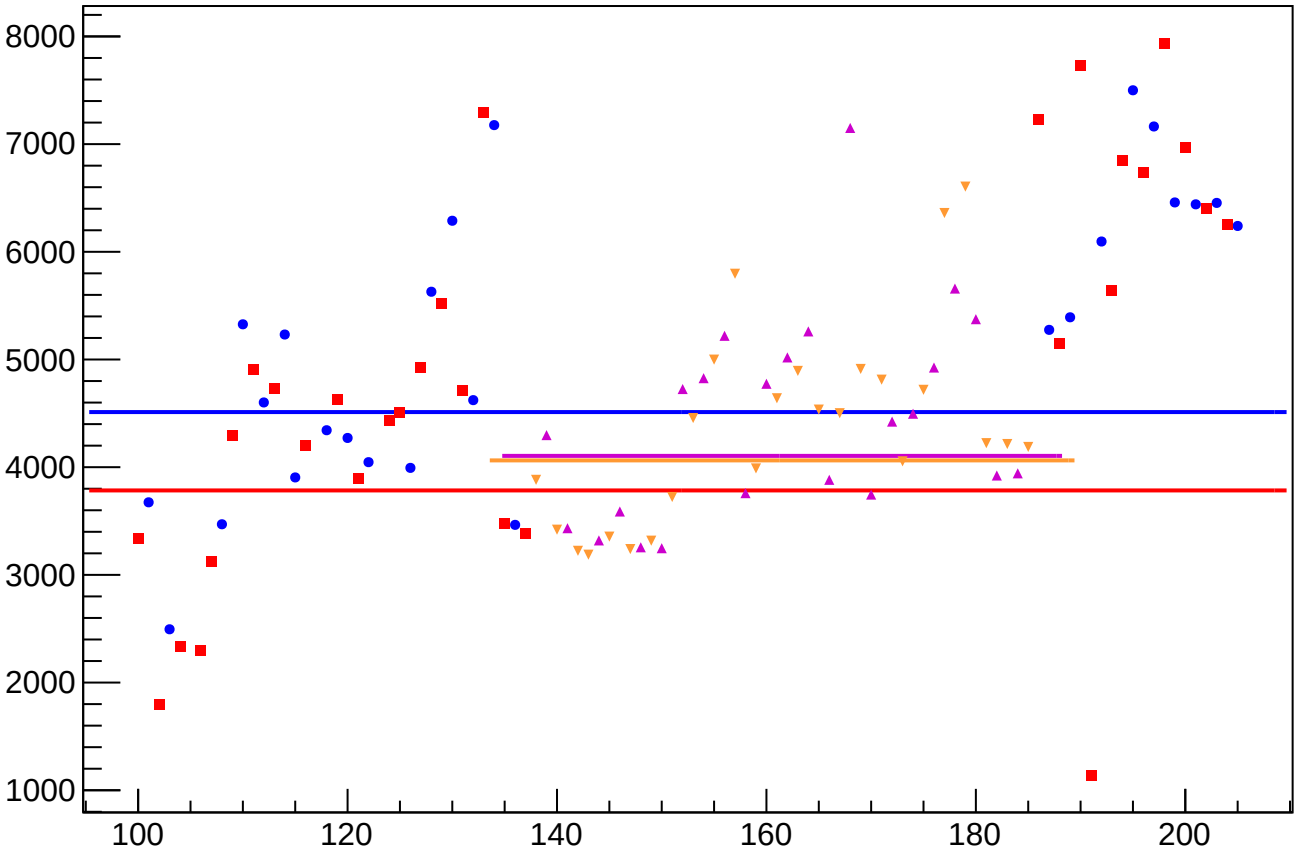
Left: -293.323+/-681.030 χ^2/NDF: 41.7/47

Right: 1189.817+/-827.607 χ^2/NDF: 50.0/54

In: 194.288+/-775.197 χ^2/NDF:40.9/47

Out: 400.298+/-715.747 χ^2/NDF:52.7/54

All: 305.495+/-525.872 χ^2/NDF: 93.6/102



Right In: 4511.831+/-0.896 χ^2/NDF: 2644612.8/24

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3784.177+/-0.773 χ^2/NDF: 5825929.3/29

Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

Left: 4083.357+/-0.482 χ^2/NDF: 2766424.2/47

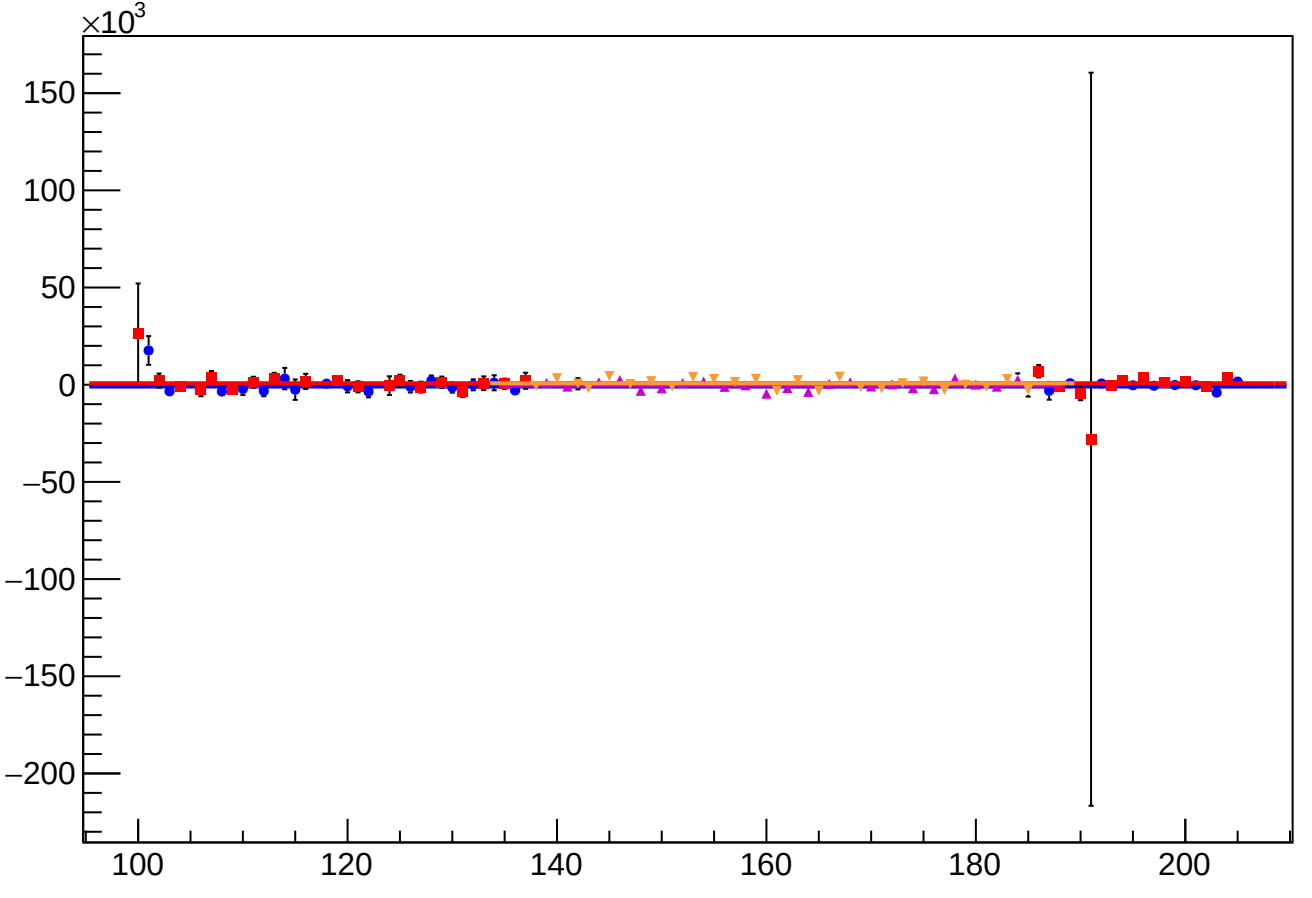
Right: 4094.860+/-0.585 χ^2/NDF: 8848815.7/54

In: 4257.435+/-0.548 χ^2/NDF:4133120.2/47

Out: 3943.559+/-0.506 χ^2/NDF:7305352.8/54

All: 4088.001+/-0.372 χ^2/NDF: 11615470.2/1

cor_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -934.886+/-518.933 χ^2/NDF: 19.4/24

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 767.075+/-500.361 χ^2/NDF: 22.4/29

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

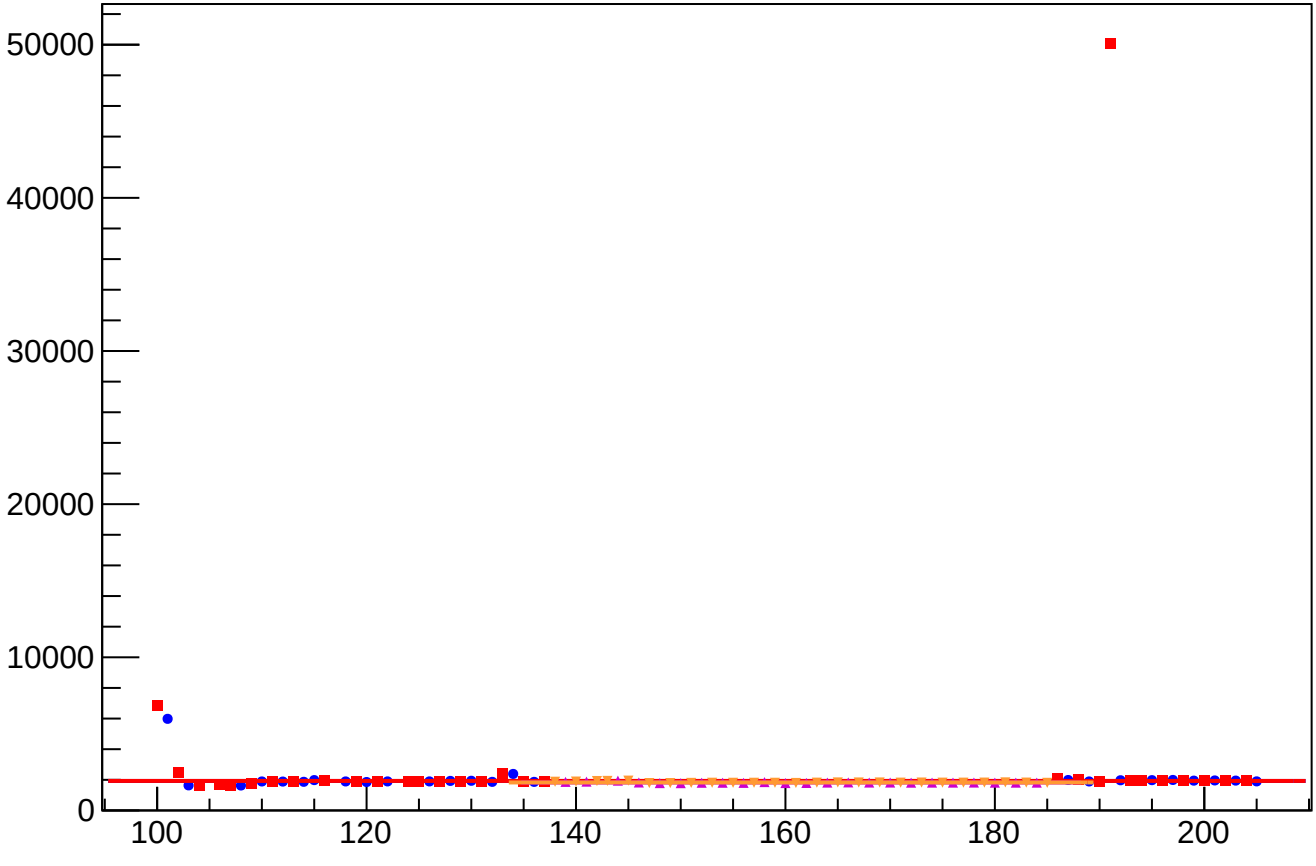
Right: -52.906+/-360.196 χ^2/NDF: 47.4/54

In: -617.251+/-329.363 χ^2/NDF:40.8/47

Out: 730.801+/-319.604 χ^2/NDF:54.4/54

All: 77.044+/-229.367 χ^2/NDF: 103.8/102

cor_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.4/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1927.831+/-0.354 χ^2/NDF: 381274.4/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

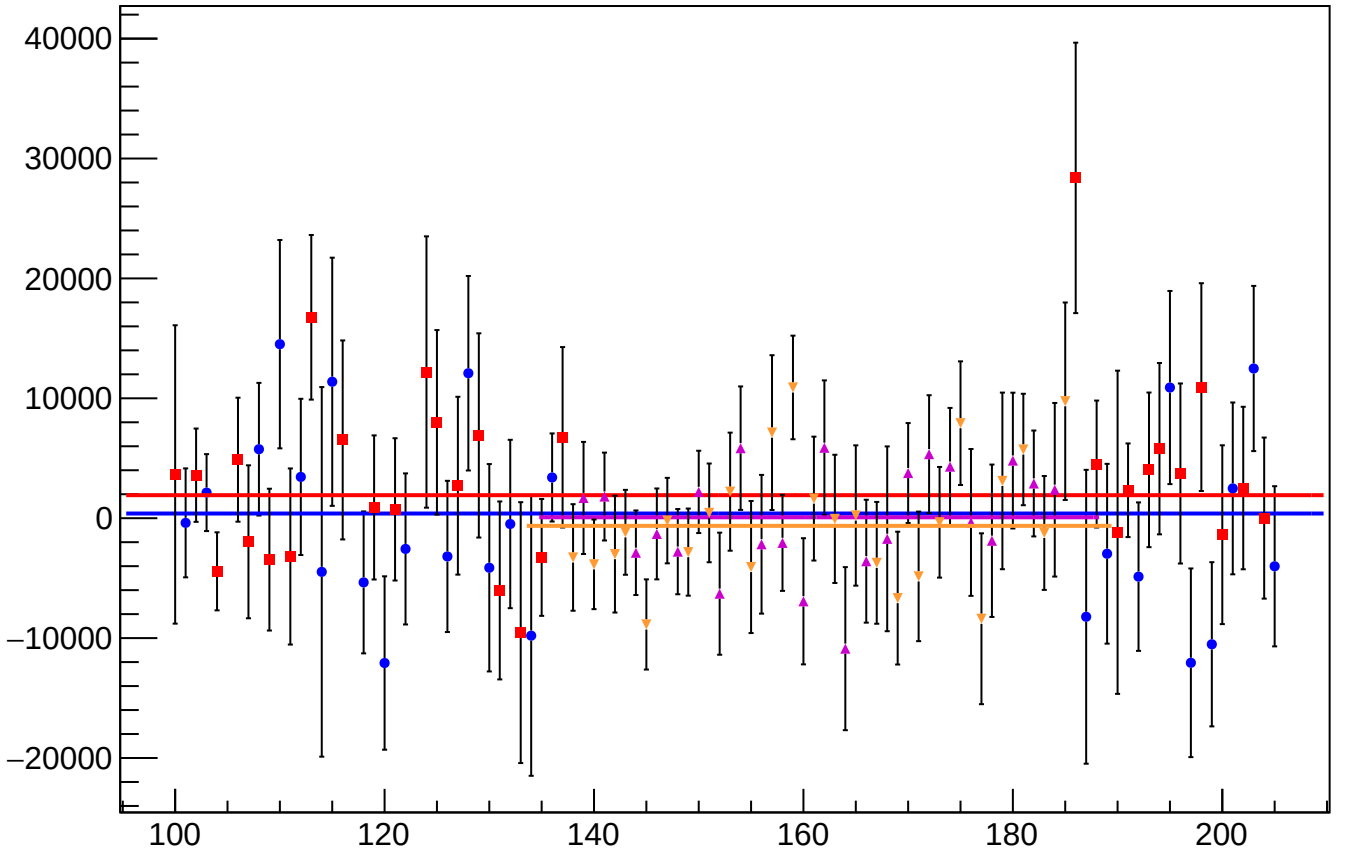
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

Right: 1926.251+/-0.255 χ^2/NDF: 1087784.3/54

In: 1865.200+/-0.233 χ^2/NDF:763634.7/47

Out: 1868.912+/-0.226 χ^2/NDF:447550.1/54

All: 1867.112+/-0.162 χ^2/NDF: 1211315.7/10



Right In: 391.138+/-1266.673 χ^2/NDF: 25.4/24

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: 1920.694+/-1145.450 χ^2/NDF: 24.3/29

Left In: 75.789+/-980.241 χ^2/NDF:15.4/22

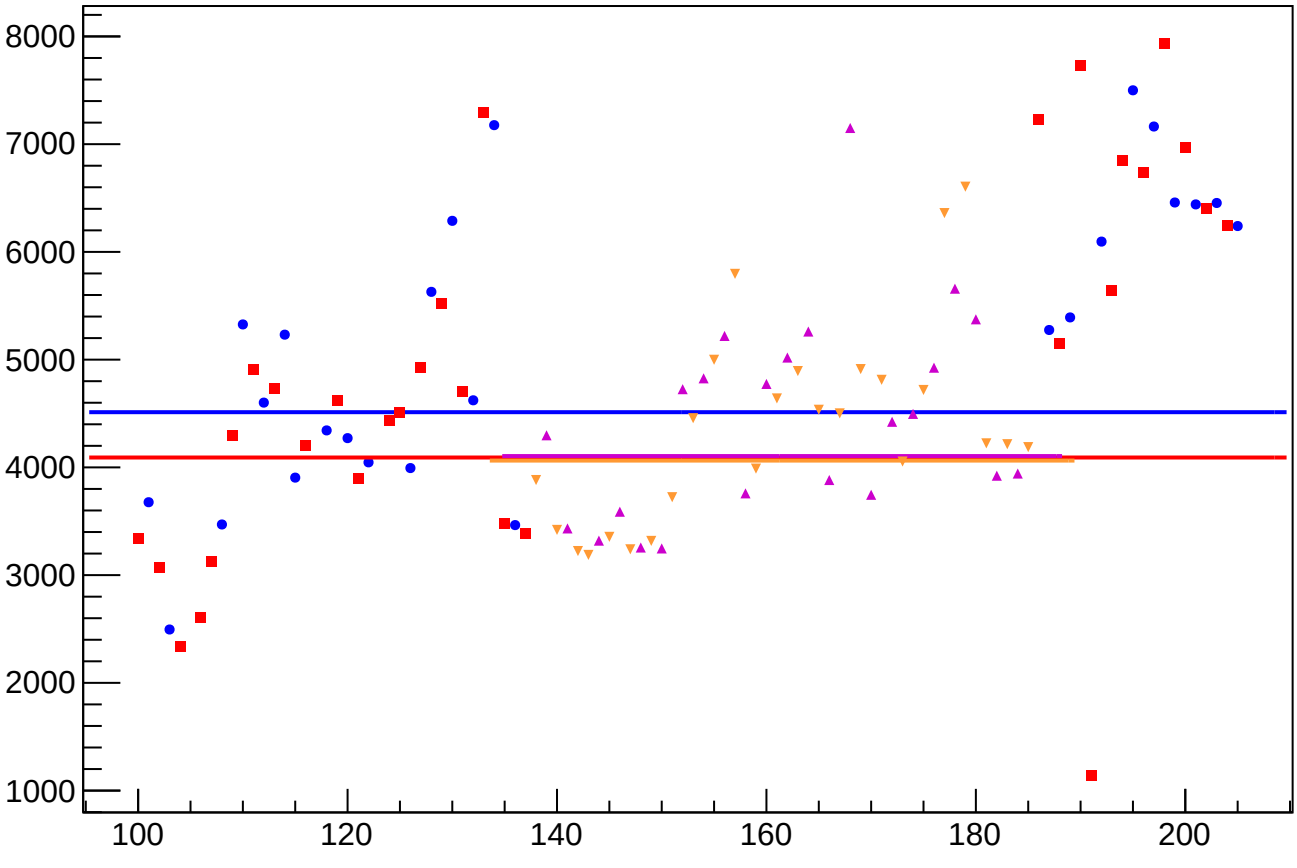
Left: -293.319+/-681.029 χ^2/NDF: 41.7/47

Right: 1232.592+/-849.588 χ^2/NDF: 50.5/54

In: 193.906+/-775.221 χ^2/NDF:40.9/47

Out: 400.833+/-729.802 χ^2/NDF:53.2/54

All: 303.609+/-531.379 χ^2/NDF: 94.1/102



Right In: 4512.333+/-0.896 χ^2/NDF: 2643397.5/24

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4091.643+/-0.810 χ^2/NDF: 4640522.3/29

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

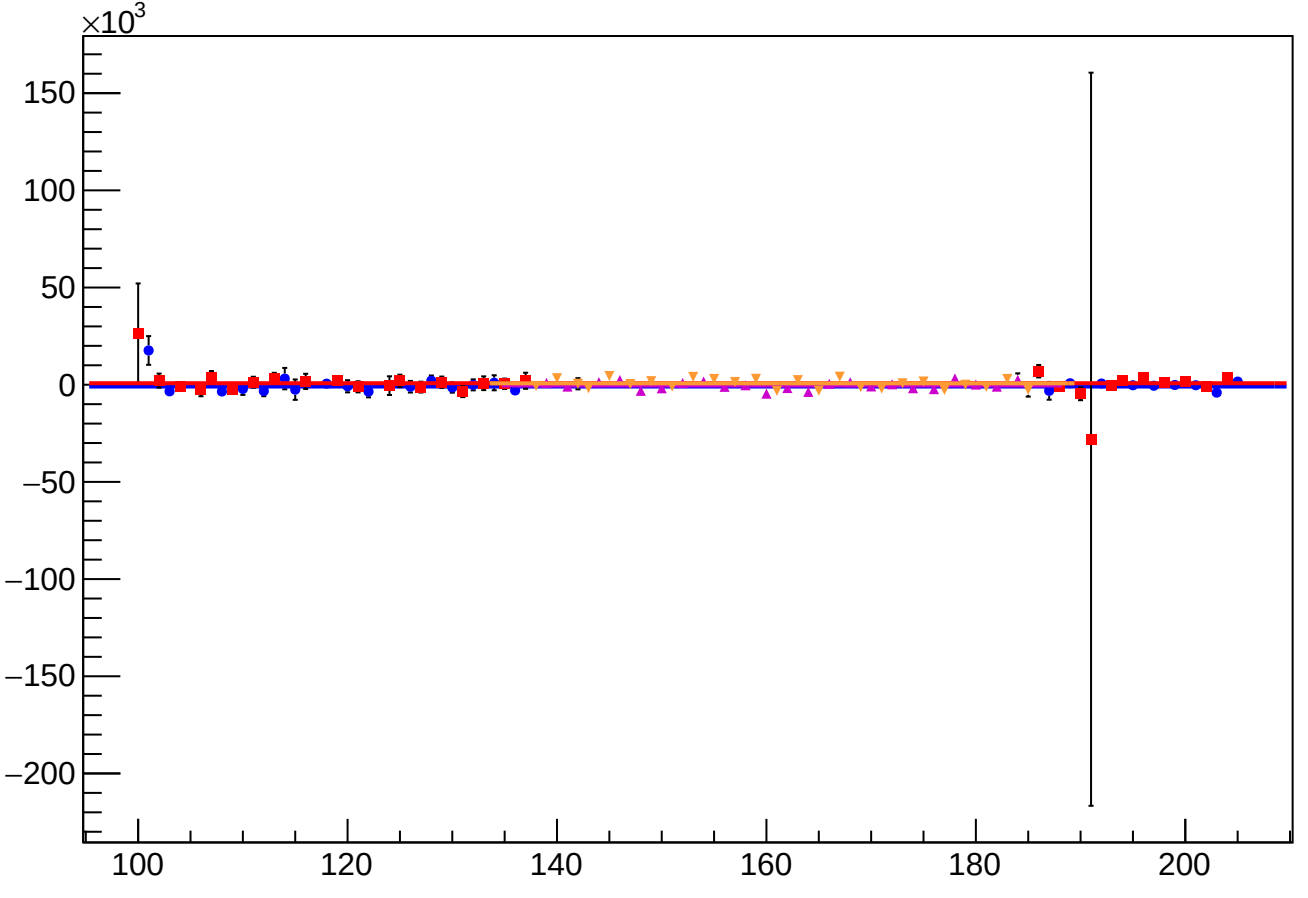
Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

Right: 4280.899+/-0.601 χ^2/NDF: 7405283.7/54

In: 4257.602+/-0.548 χ^2/NDF:4132223.5/47

Out: 4074.690+/-0.516 χ^2/NDF:6046290.3/54

All: 4160.631+/-0.376 χ^2/NDF: 10237542.2/1



Right In: -934.886+/-518.933 χ^2/NDF: 19.4/24

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: 767.075+/-500.361 χ^2/NDF: 22.4/29

Left In: -402.981+/-426.215 χ^2/NDF:20.8/22

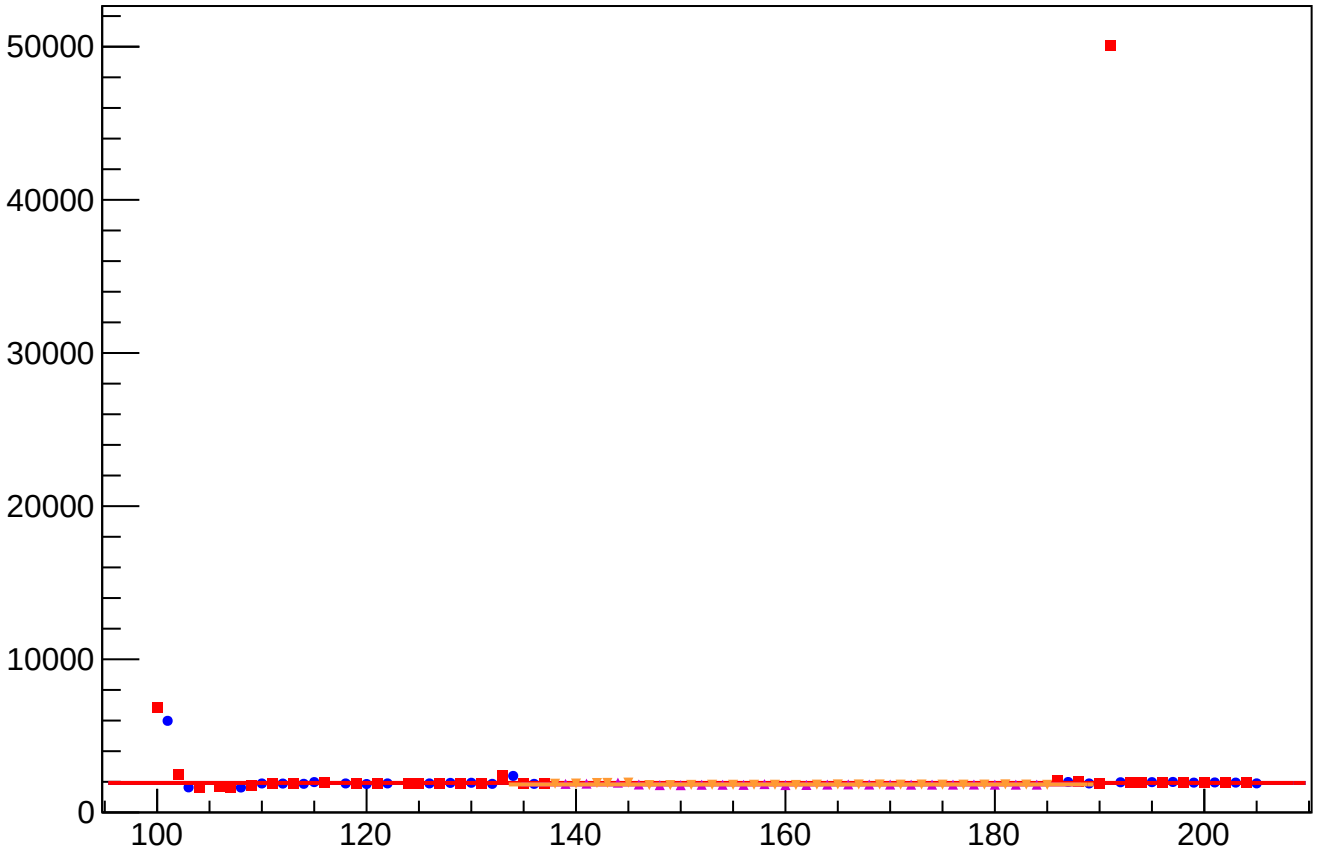
Left: 165.678+/-297.476 χ^2/NDF: 56.1/47

Right: -52.906+/-360.196 χ^2/NDF: 47.4/54

In: -617.251+/-329.363 χ^2/NDF:40.8/47

Out: 730.801+/-319.604 χ^2/NDF:54.4/54

All: 77.044+/-229.367 χ^2/NDF: 103.8/102



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.4/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1927.831+/-0.354 χ^2/NDF: 381274.4/29

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

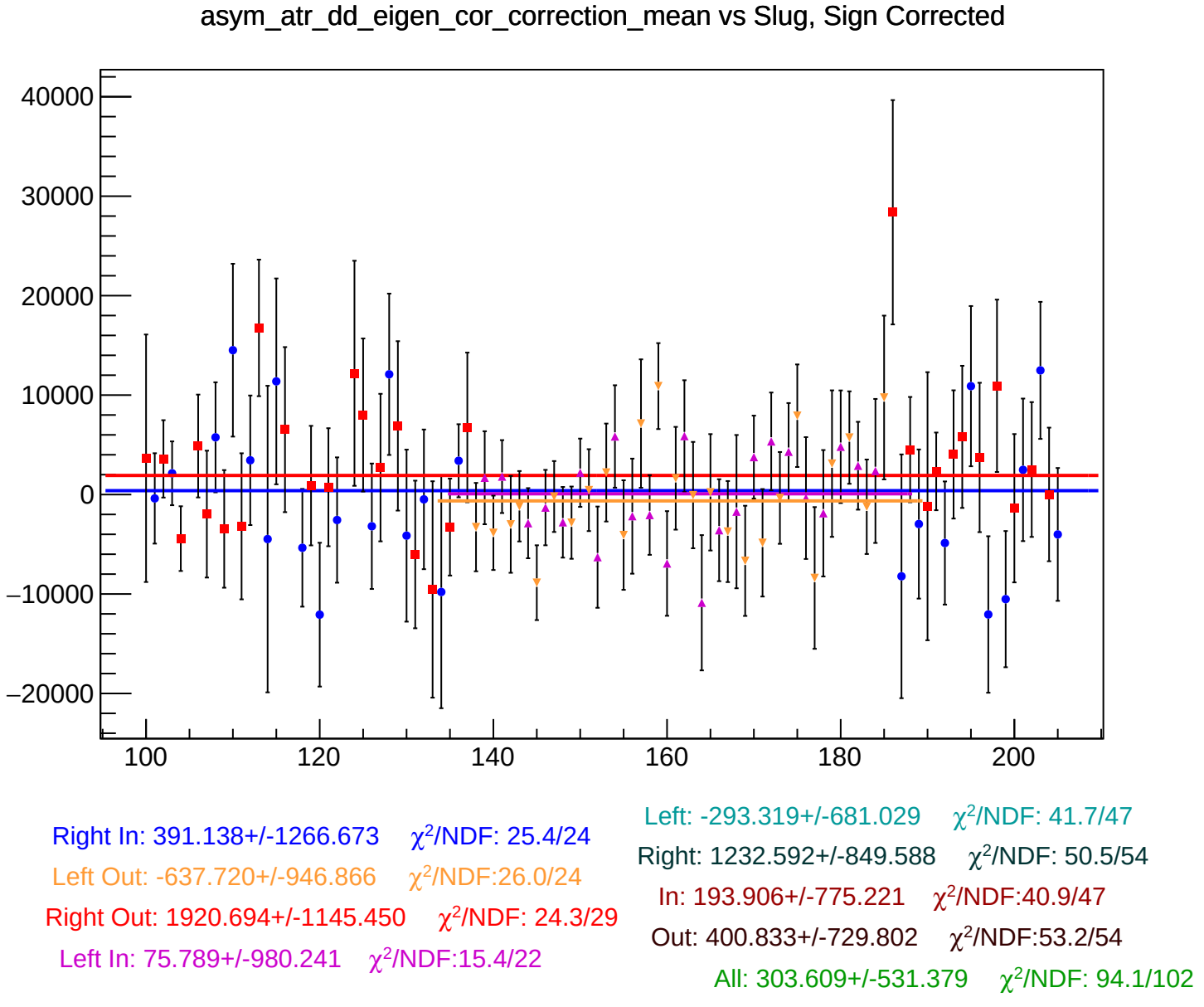
Left: 1826.743+/-0.210 χ^2/NDF: 32742.7/47

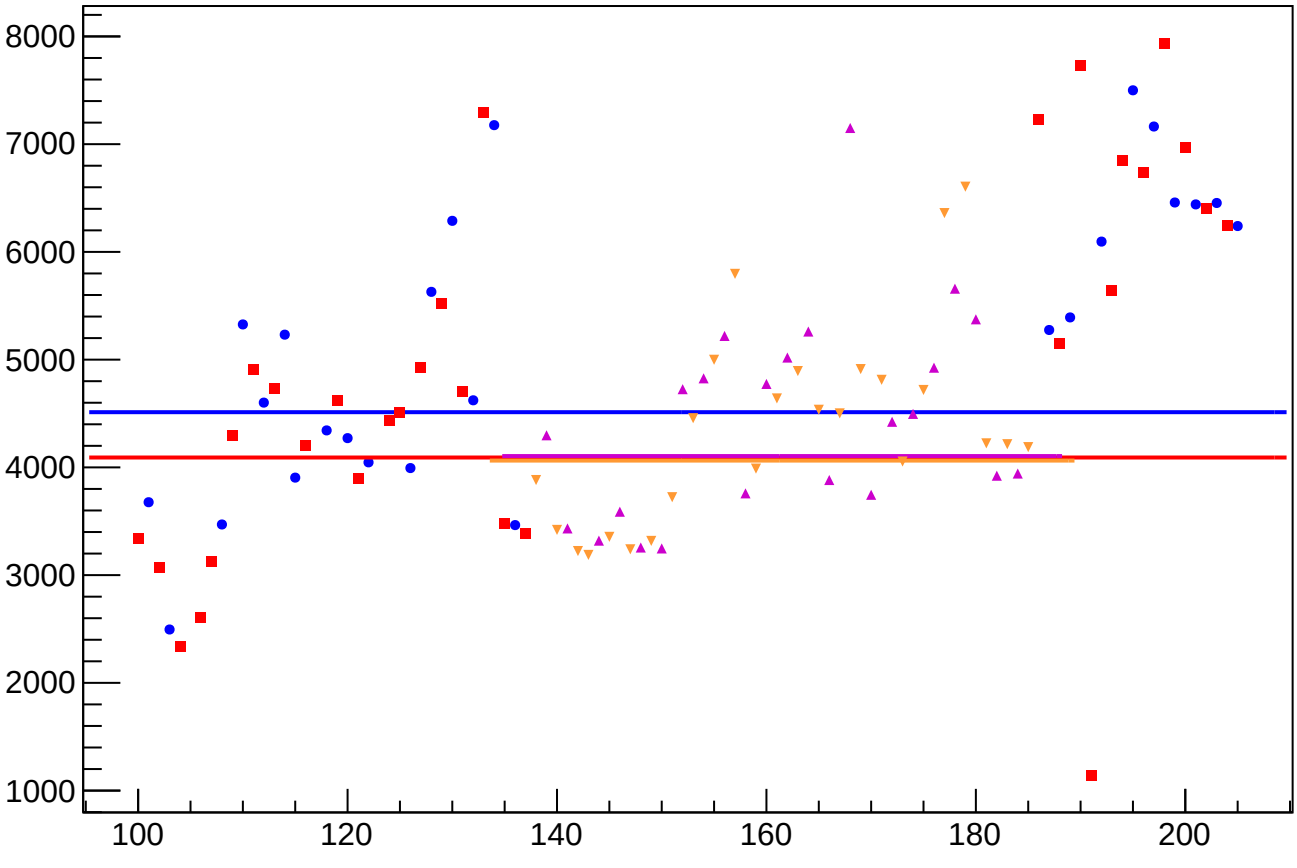
Right: 1926.251+/-0.255 χ^2/NDF: 1087784.3/54

In: 1865.200+/-0.233 χ^2/NDF:763634.7/47

Out: 1868.912+/-0.226 χ^2/NDF:447550.1/54

All: 1867.112+/-0.162 χ^2/NDF: 1211315.7/10


asym_atr_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 391.138+/-1266.673 χ²/NDF: 25.4/24
Left Out: -637.720+/-946.866 χ²/NDF:26.0/24
Right Out: 1920.694+/-1145.450 χ²/NDF: 24.3/29
Left In: 75.789+/-980.241 χ²/NDF:15.4/22
Left: -293.319+/-681.029 χ²/NDF: 41.7/47
Right: 1232.592+/-849.588 χ²/NDF: 50.5/54
In: 193.906+/-775.221 χ²/NDF:40.9/47
Out: 400.833+/-729.802 χ²/NDF:53.2/54
All: 303.609+/-531.379 χ²/NDF: 94.1/102



Right In: 4512.333+/-0.896 χ^2/NDF: 2643397.5/24

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4091.643+/-0.810 χ^2/NDF: 4640522.3/29

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

Left: 4083.351+/-0.482 χ^2/NDF: 2766426.7/47

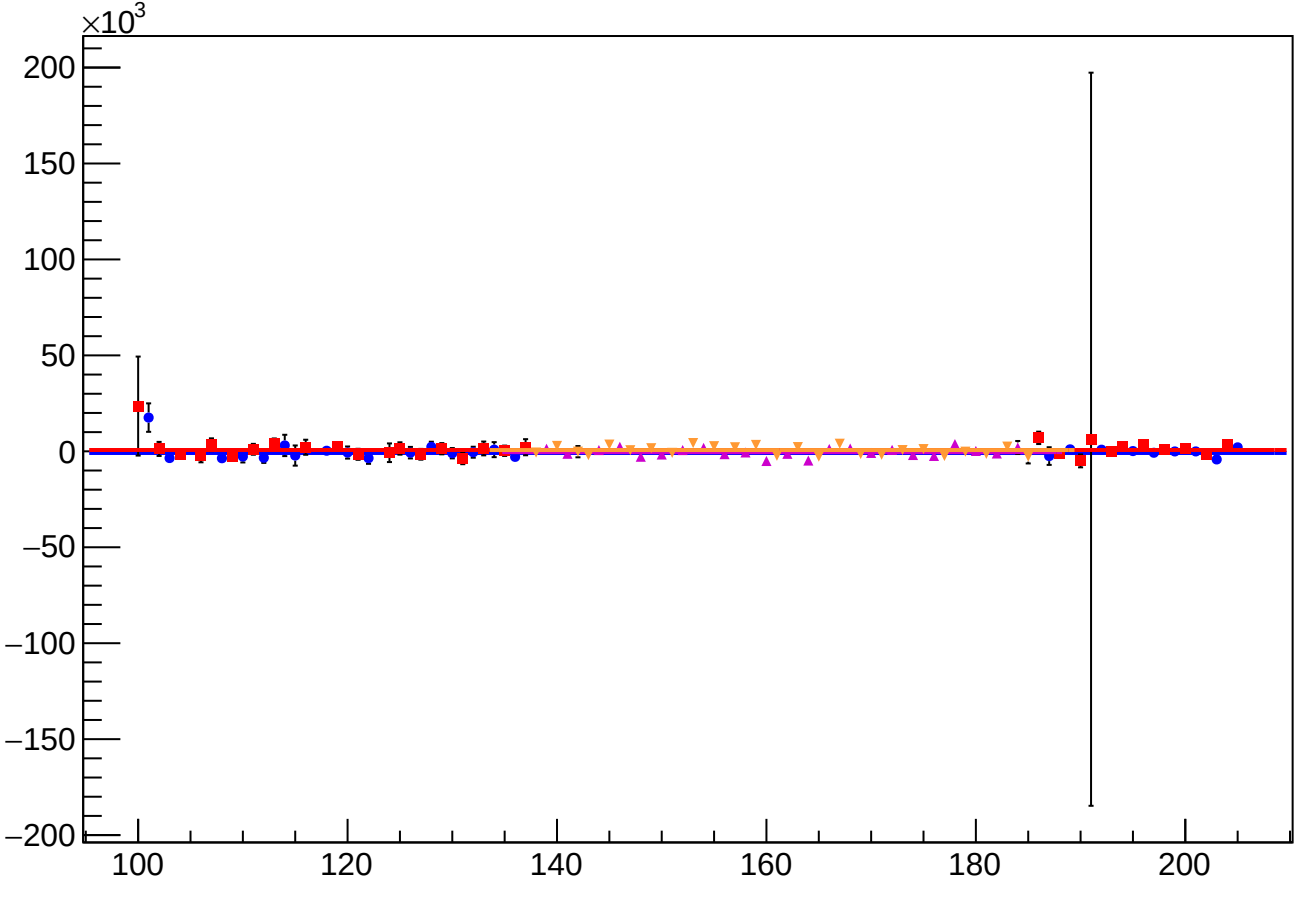
Right: 4280.899+/-0.601 χ^2/NDF: 7405283.7/54

In: 4257.602+/-0.548 χ^2/NDF:4132223.5/47

Out: 4074.690+/-0.516 χ^2/NDF:6046290.3/54

All: 4160.631+/-0.376 χ^2/NDF: 10237542.2/1

dit_asym_atr_dd_mean vs Slug, Sign Corrected



Right In: -858.270+/-523.614 χ^2/NDF: 20.8/24

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: 689.286+/-505.349 χ^2/NDF: 24.5/29

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.829+/-302.895 χ^2/NDF: 53.8/47

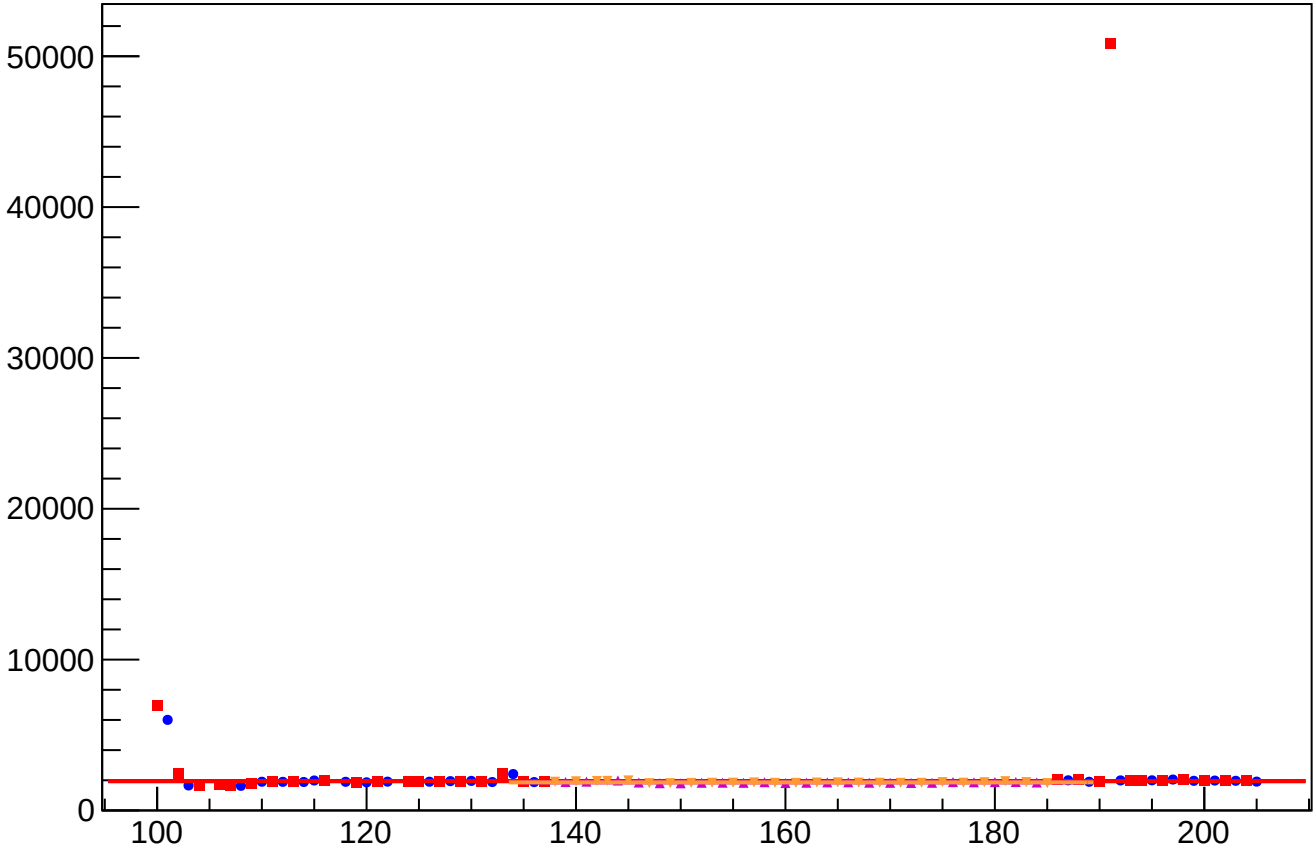
Right: -57.030+/-363.621 χ^2/NDF: 49.8/54

In: -592.993+/-334.077 χ^2/NDF:44.8/47

Out: 670.666+/-324.393 χ^2/NDF:51.6/54

All: 57.417+/-232.729 χ^2/NDF: 103.8/102

dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1941.728+/-0.370 χ^2/NDF: 709180.5/24

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.707+/-0.357 χ^2/NDF: 389683.8/29

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

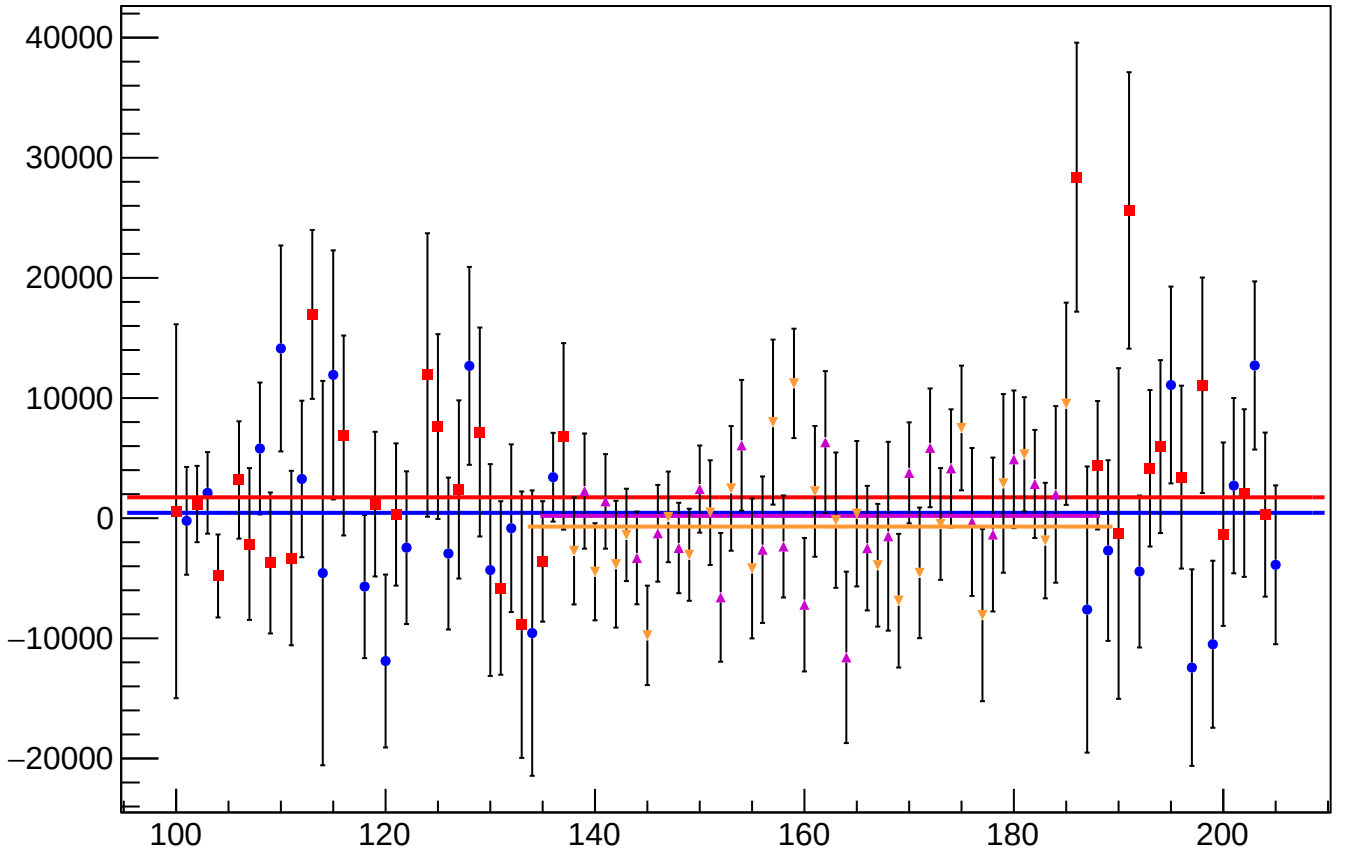
Left: 1859.747+/-0.214 χ^2/NDF: 42486.2/47

Right: 1944.307+/-0.257 χ^2/NDF: 1098958.0/54

In: 1891.882+/-0.236 χ^2/NDF:756129.5/47

Out: 1896.768+/-0.229 χ^2/NDF:448968.8/54

All: 1894.398+/-0.165 χ^2/NDF: 1205318.5/10



Right In: 445.806+/-1282.249 χ^2/NDF: 25.1/24

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: 1737.529+/-1178.781 χ^2/NDF: 28.0/29

Left In: 192.486+/-1022.469 χ^2/NDF:15.2/22

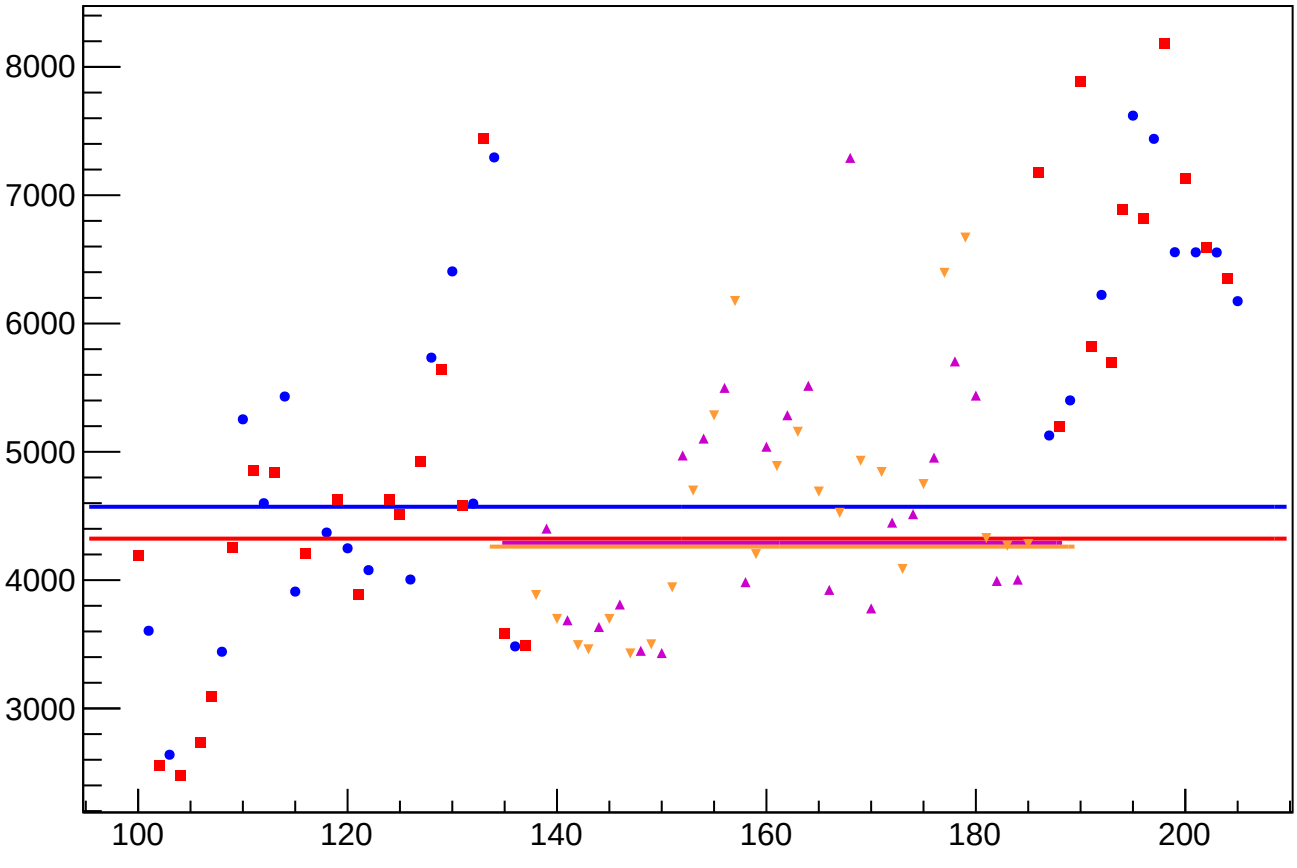
Left: -267.253+/-711.250 χ^2/NDF: 40.9/47

Right: 1145.879+/-867.801 χ^2/NDF: 53.6/54

In: 290.951+/-799.426 χ^2/NDF:40.3/47

Out: 309.232+/-758.119 χ^2/NDF:55.8/54

All: 300.576+/-550.095 χ^2/NDF: 96.1/102



Right In: 4571.747+/-0.907 χ^2/NDF: 2568452.8/24

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4323.518+/-0.834 χ^2/NDF: 3745268.2/29

Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

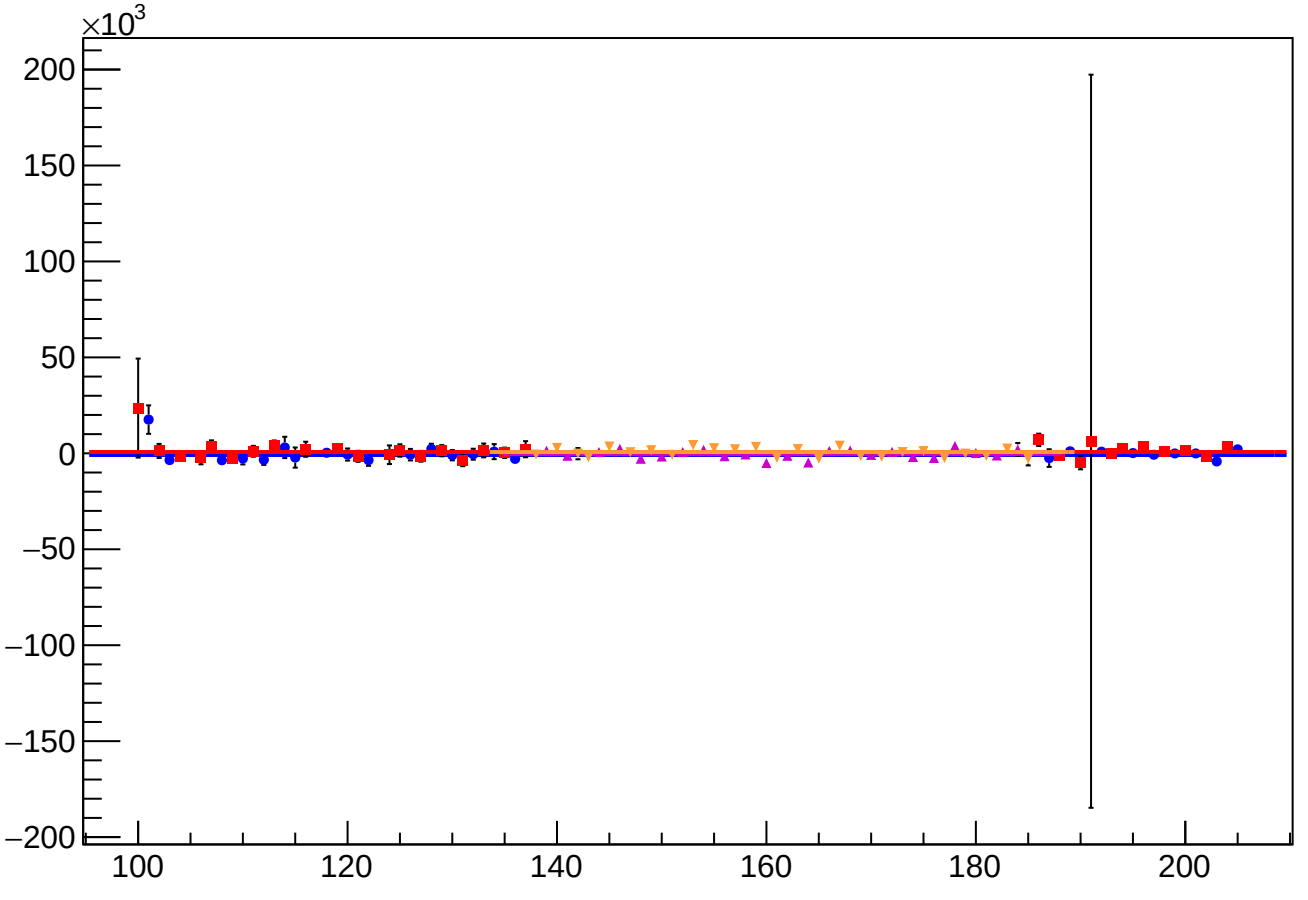
Left: 4275.289+/-0.503 χ^2/NDF: 2405372.2/47

Right: 4437.215+/-0.614 χ^2/NDF: 6354343.3/54

In: 4399.758+/-0.565 χ^2/NDF:3841279.3/47

Out: 4286.932+/-0.536 χ^2/NDF:4939115.3/54

All: 4340.355+/-0.389 χ^2/NDF: 8801369.0/10



Right In: -858.271+/-523.614 χ^2/NDF: 20.8/24

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: 689.284+/-505.349 χ^2/NDF: 24.5/29

Left In: -410.869+/-433.856 χ^2/NDF:23.6/22

Left: 136.832+/-302.895 χ^2/NDF: 53.8/47

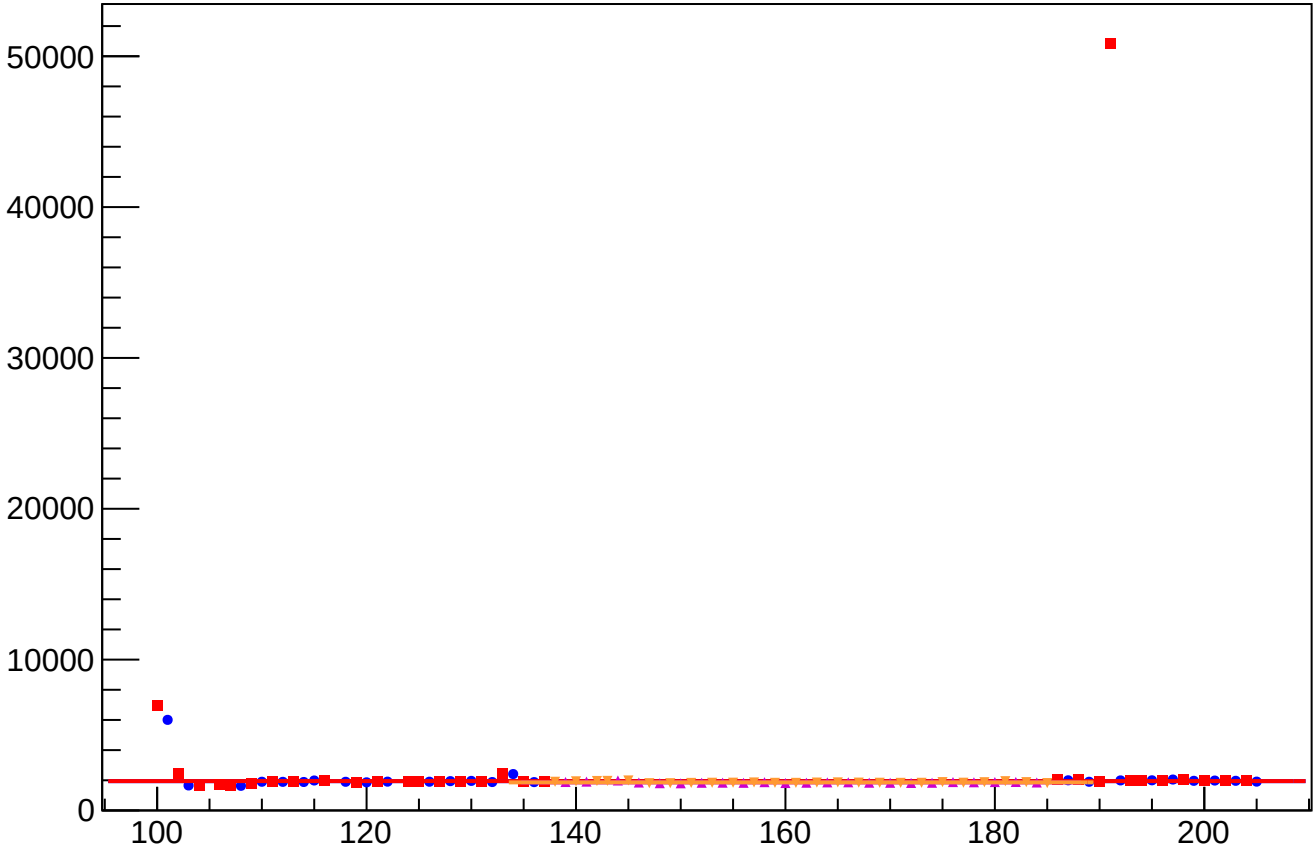
Right: -57.032+/-363.621 χ^2/NDF: 49.8/54

In: -592.993+/-334.077 χ^2/NDF:44.8/47

Out: 670.668+/-324.393 χ^2/NDF:51.6/54

All: 57.418+/-232.729 χ^2/NDF: 103.8/102

eigen_dit_asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 1941.728+/-0.370 χ^2/NDF: 709180.4/24

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

Right Out: 1946.707+/-0.357 χ^2/NDF: 389684.0/29

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

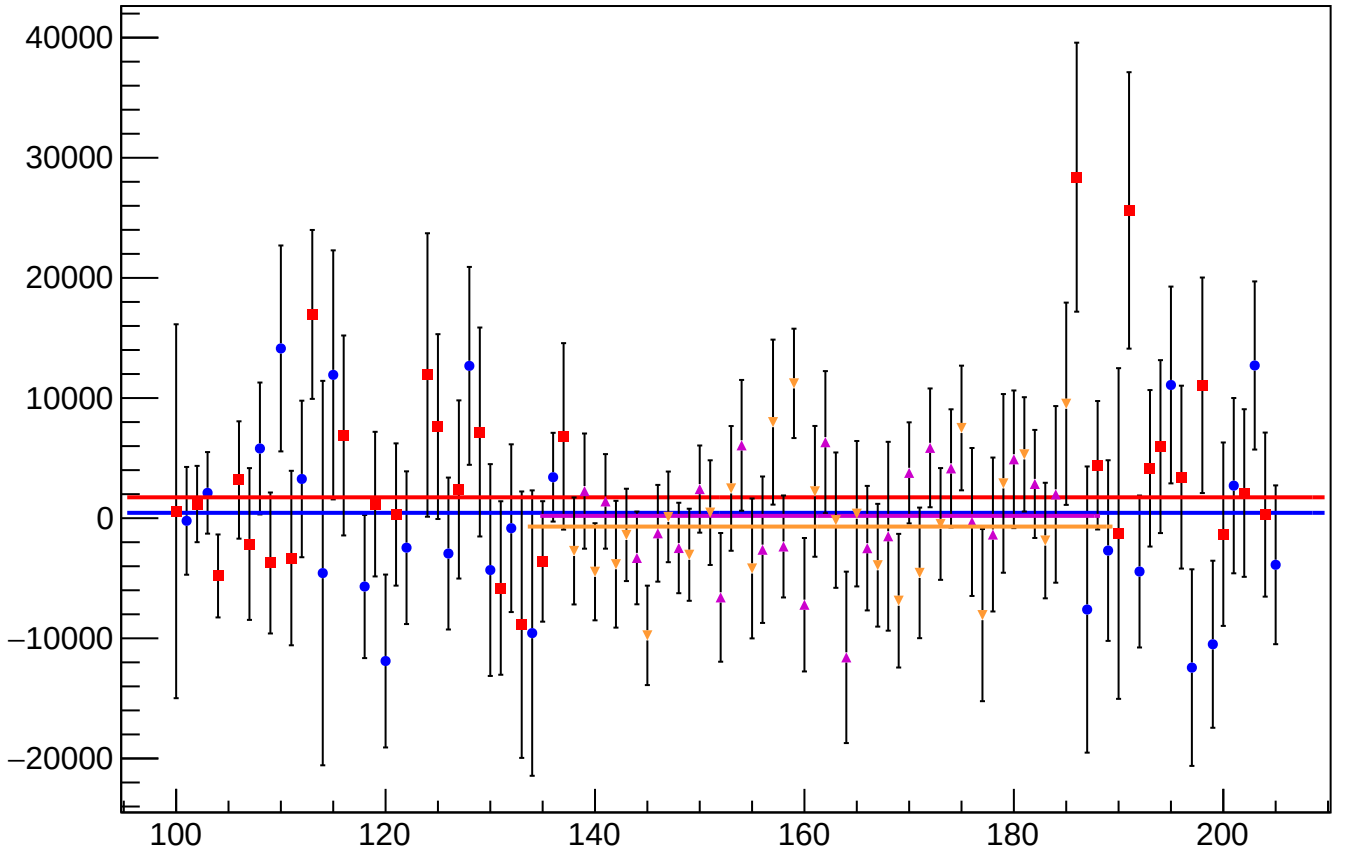
Left: 1859.748+/-0.214 χ^2/NDF: 42486.0/47

Right: 1944.307+/-0.257 χ^2/NDF: 1098958.1/54

In: 1891.883+/-0.236 χ^2/NDF:756128.7/47

Out: 1896.769+/-0.229 χ^2/NDF:448968.7/54

All: 1894.398+/-0.165 χ^2/NDF: 1205317.7/10



Right In: 445.796+/-1282.248 χ^2/NDF: 25.1/24

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: 1737.527+/-1178.780 χ^2/NDF: 28.0/29

Left In: 192.488+/-1022.471 χ^2/NDF:15.2/22

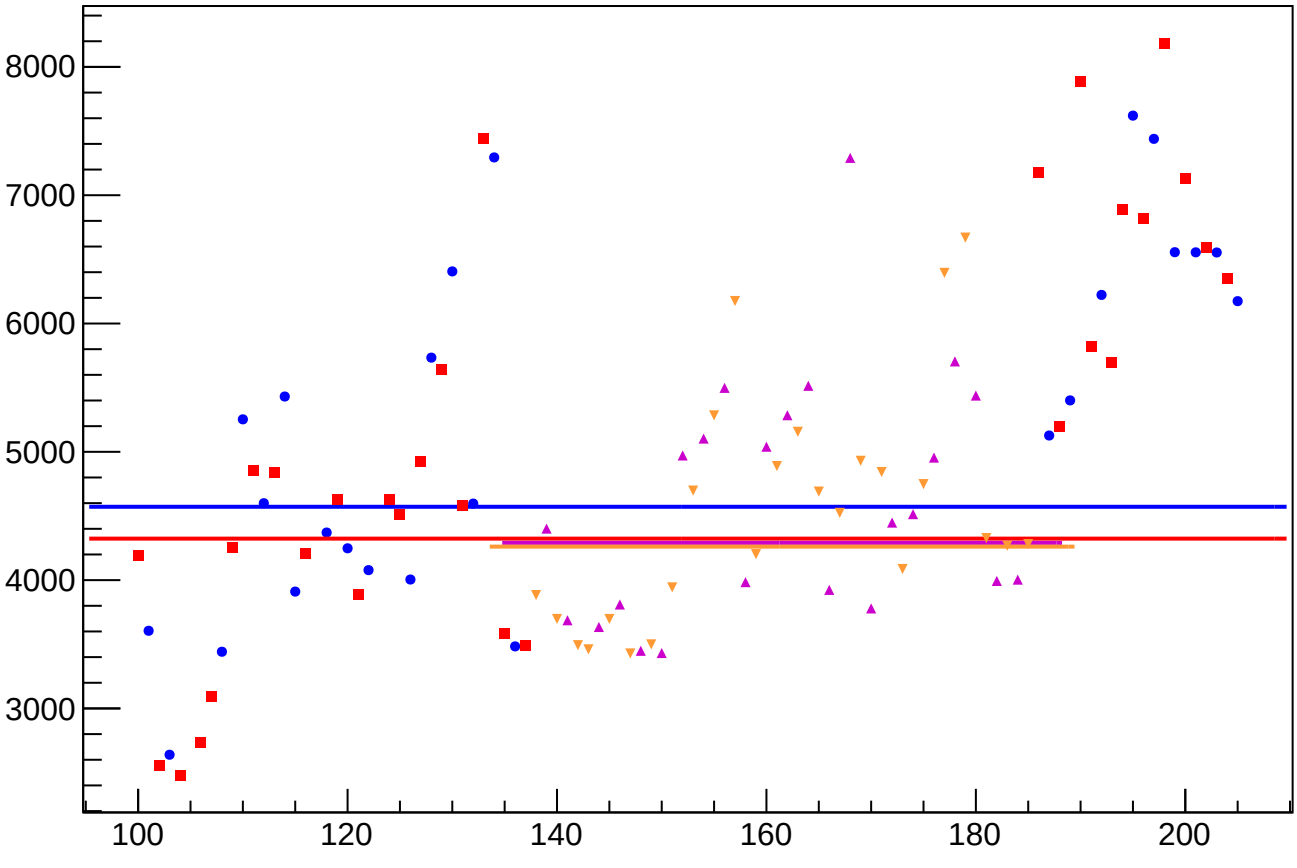
Left: -267.251+/-711.252 χ^2/NDF: 40.9/47

Right: 1145.874+/-867.800 χ^2/NDF: 53.6/54

In: 290.949+/-799.427 χ^2/NDF:40.3/47

Out: 309.235+/-758.120 χ^2/NDF:55.8/54

All: 300.576+/-550.095 χ^2/NDF: 96.1/102



Right In: 4571.745+/-0.907 χ^2/NDF: 2568456.3/24

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4323.516+/-0.834 χ^2/NDF: 3745271.0/29

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

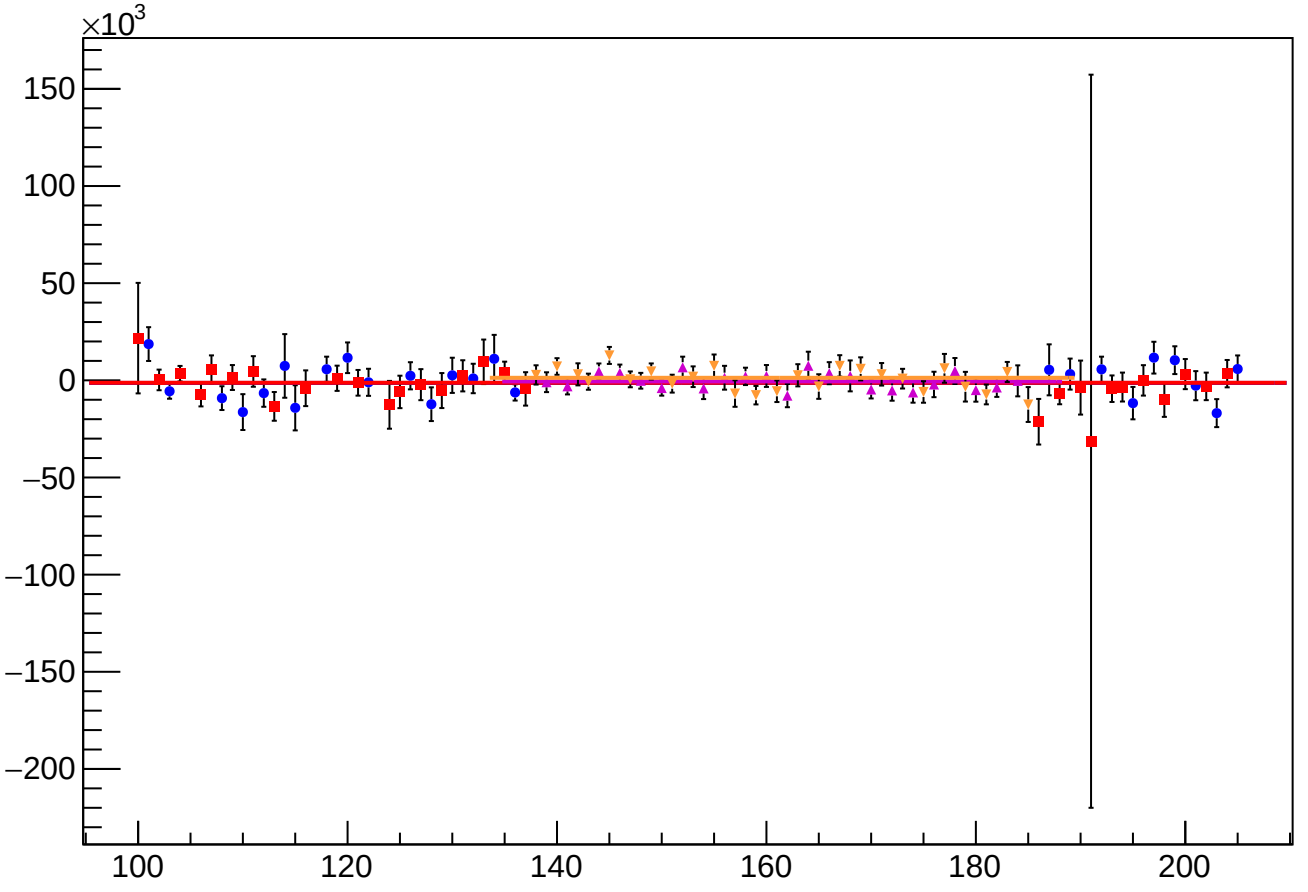
Left: 4275.296+/-0.503 χ^2/NDF: 2405380.8/47

Right: 4437.213+/-0.614 χ^2/NDF: 6354349.9/54

In: 4399.761+/-0.565 χ^2/NDF:3841285.0/47

Out: 4286.935+/-0.536 χ^2/NDF:4939119.9/54

All: 4340.358+/-0.389 χ^2/NDF: 8801379.6/10



Right In: -1346.650+/-1428.980 χ^2/NDF: 35.5/24

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: -1267.704+/-1351.099 χ^2/NDF: 17.0/29

Left In: -576.442+/-1082.127 χ^2/NDF:14.4/22

Left: 389.606+/-753.400 χ^2/NDF: 44.4/47

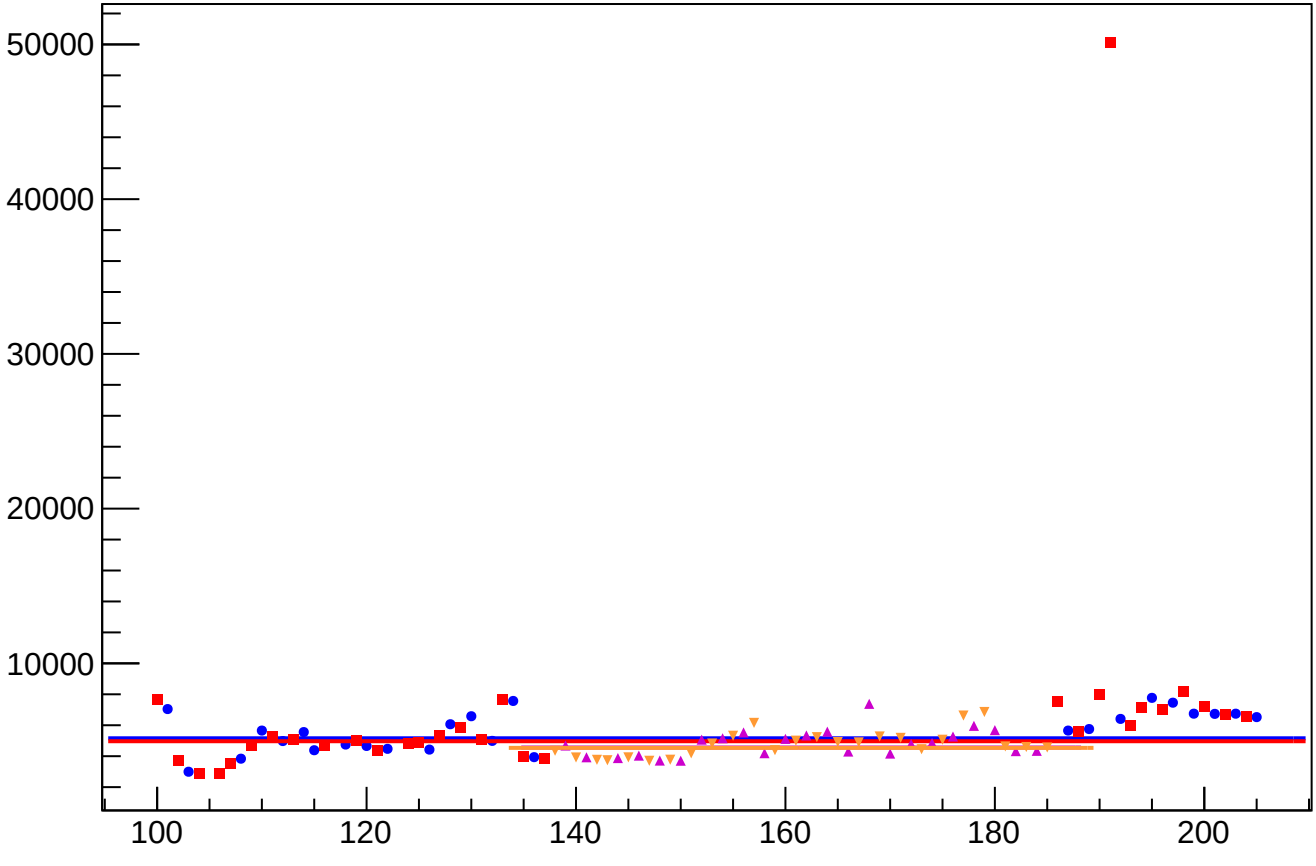
Right: -1304.967+/-981.750 χ^2/NDF: 52.5/54

In: -857.151+/-862.681 χ^2/NDF:50.1/47

Out: 332.651+/-828.855 χ^2/NDF:47.7/54

All: -238.467+/-597.690 χ^2/NDF: 98.8/102

asym_atr_dd_rms vs Slug, Sign Corrected



Right In: 5157.097+/-1.010 χ^2/NDF: 2013739.2/24

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

Right Out: 4966.758+/-0.950 χ^2/NDF: 2635077.4/29

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

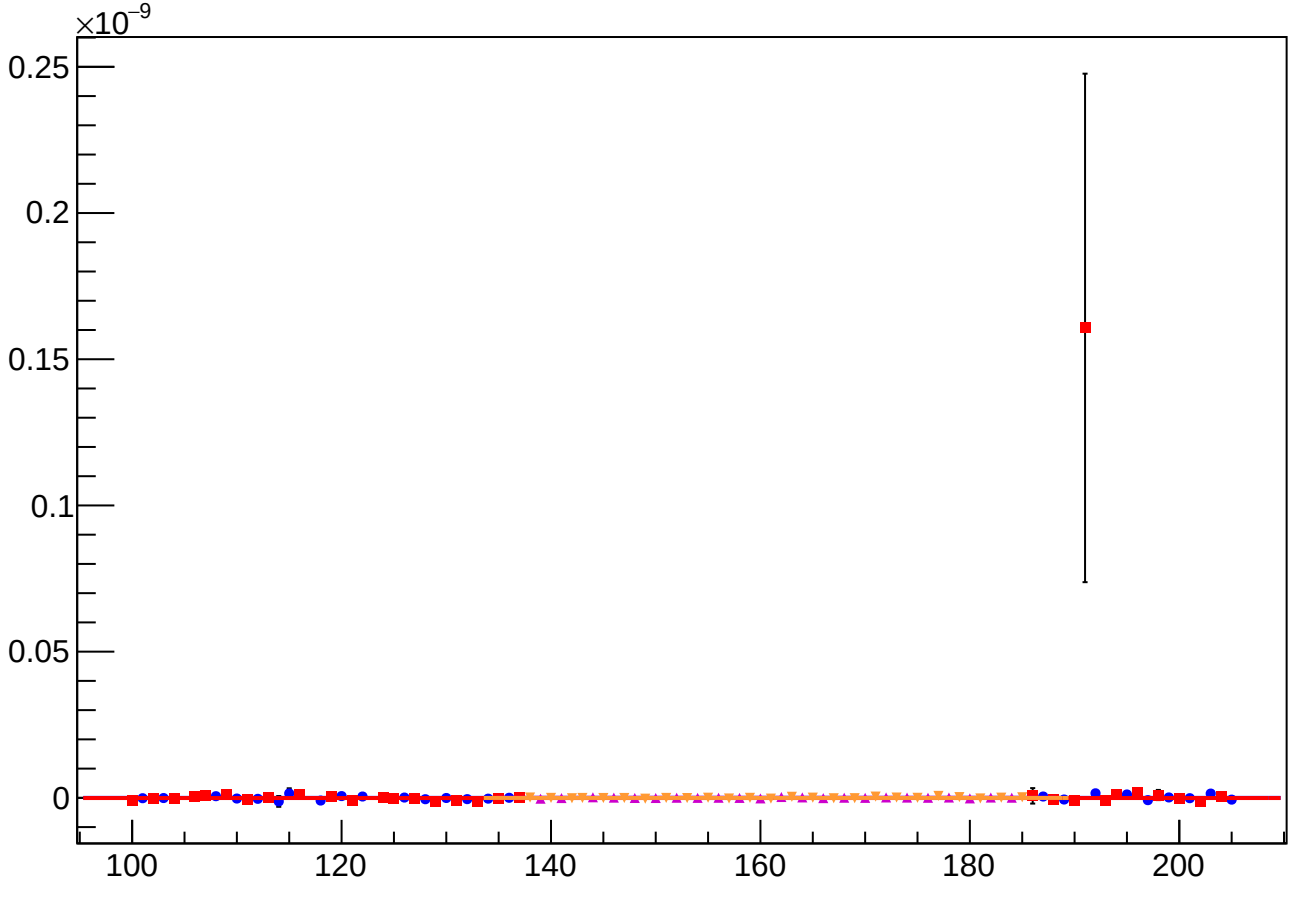
Left: 4548.875+/-0.533 χ^2/NDF: 1973555.1/47

Right: 5056.059+/-0.692 χ^2/NDF: 4667652.7/54

In: 4777.939+/-0.610 χ^2/NDF:3215492.3/47

Out: 4700.466+/-0.585 χ^2/NDF:3754525.7/54

All: 4737.571+/-0.422 χ^2/NDF: 6978422.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.1/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

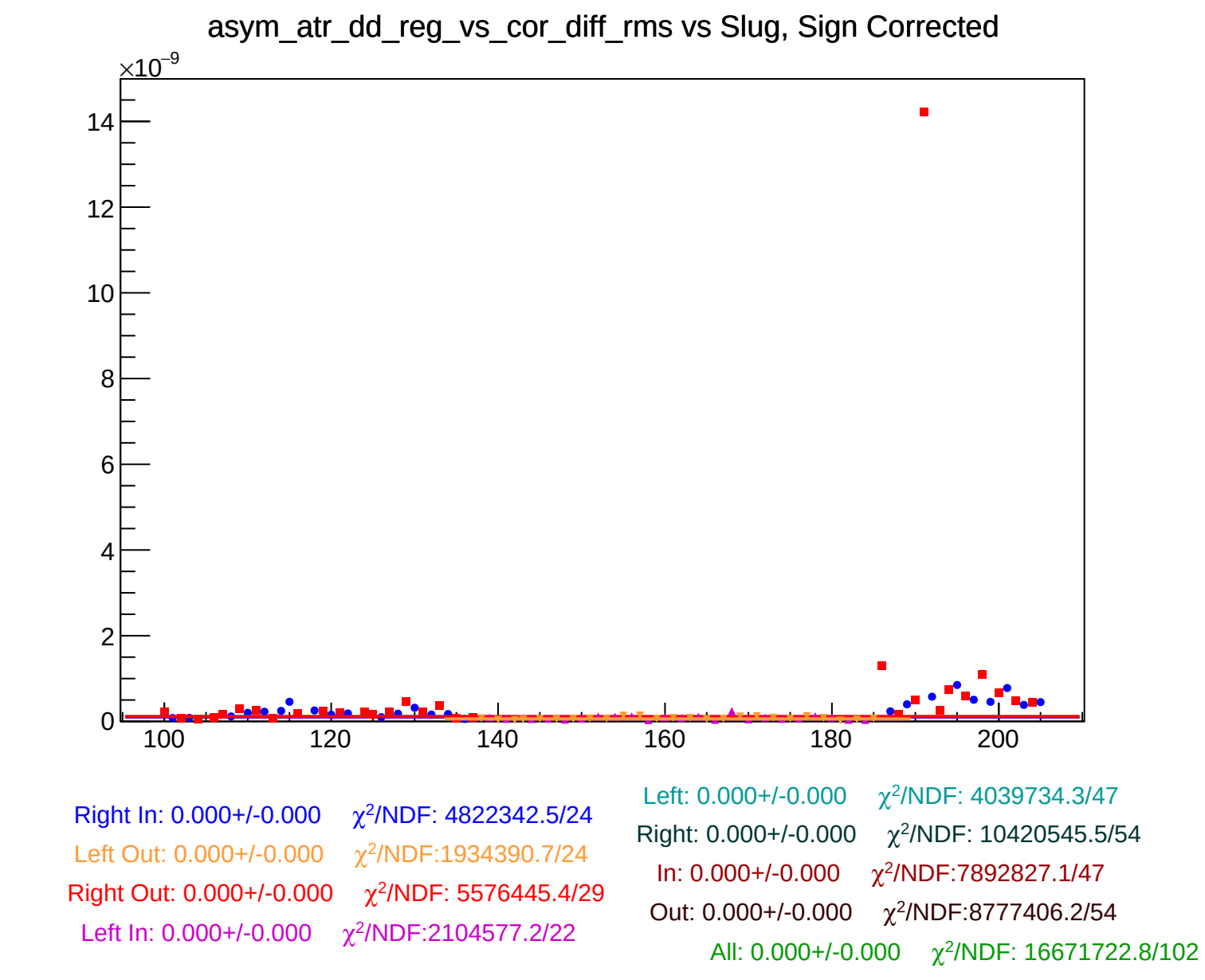
Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

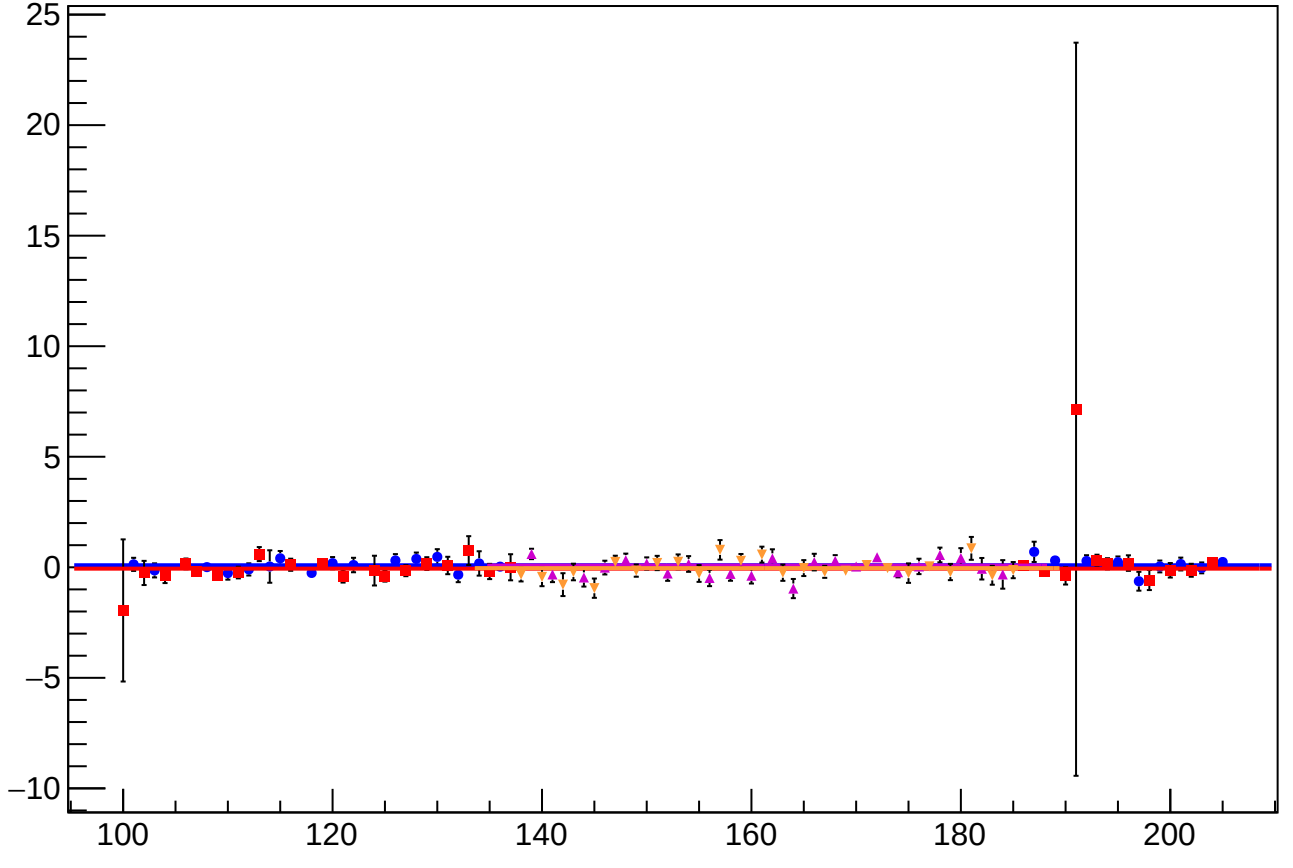
Right: -0.000+/-0.000 χ^2/NDF: 58.5/54

In: 0.000+/-0.000 χ^2/NDF:42.6/47

Out: -0.000+/-0.000 χ^2/NDF:74.3/54

All: -0.000+/-0.000 χ^2/NDF: 118.8/102


asym_atr_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
14
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4822342.5/24
Left Out: 0.000+/-0.000 χ²/NDF:1934390.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 5576445.4/29
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: 10420545.5/54
In: 0.000+/-0.000 χ²/NDF:7892827.1/47
Out: 0.000+/-0.000 χ²/NDF:8777406.2/54
All: 0.000+/-0.000 χ²/NDF: 16671722.8/102



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

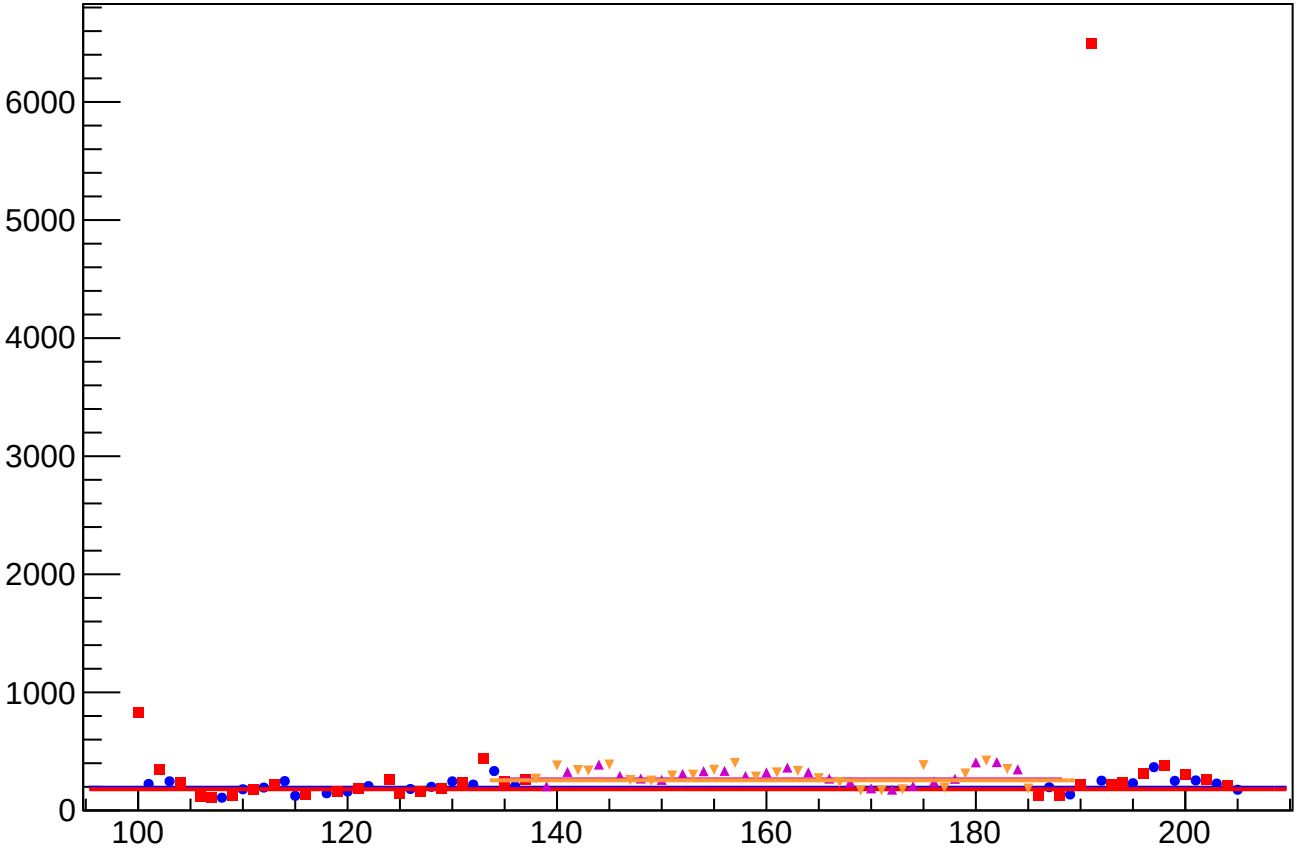
Right: 0.010+/-0.037 χ^2/NDF: 49.4/54

In: 0.086+/-0.042 χ^2/NDF:49.9/47

Out: -0.052+/-0.039 χ^2/NDF:50.9/54

All: 0.013+/-0.029 χ^2/NDF: 106.6/102

asym_atr_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.612+/-0.039 χ^2/NDF: 1879961.5/24

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 179.769+/-0.036 χ^2/NDF: 3526728.9/29

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

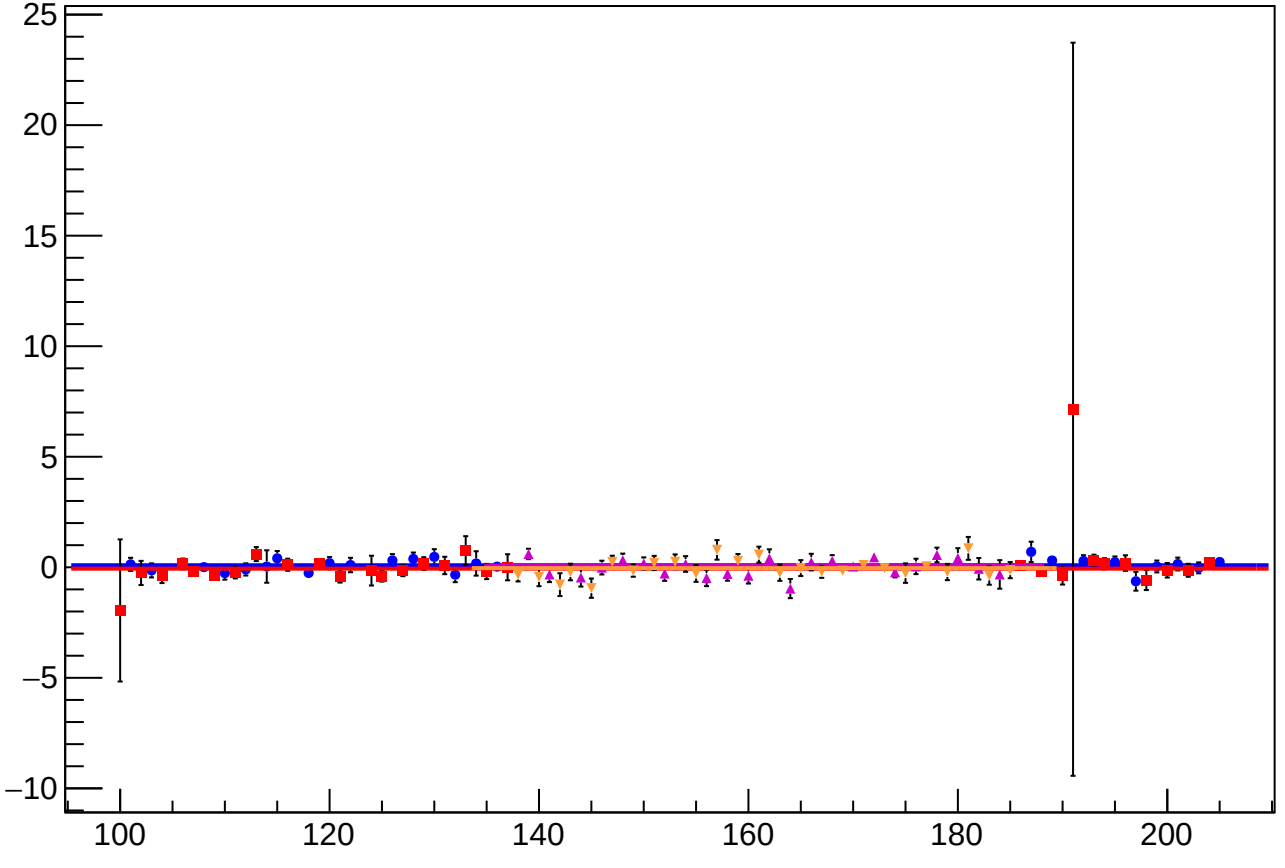
Right: 185.734+/-0.026 χ^2/NDF: 5465988.3/54

In: 221.695+/-0.030 χ^2/NDF:5275199.9/47

Out: 210.196+/-0.028 χ^2/NDF:8242451.1/54

All: 215.594+/-0.020 χ^2/NDF: 13598078.4/10

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

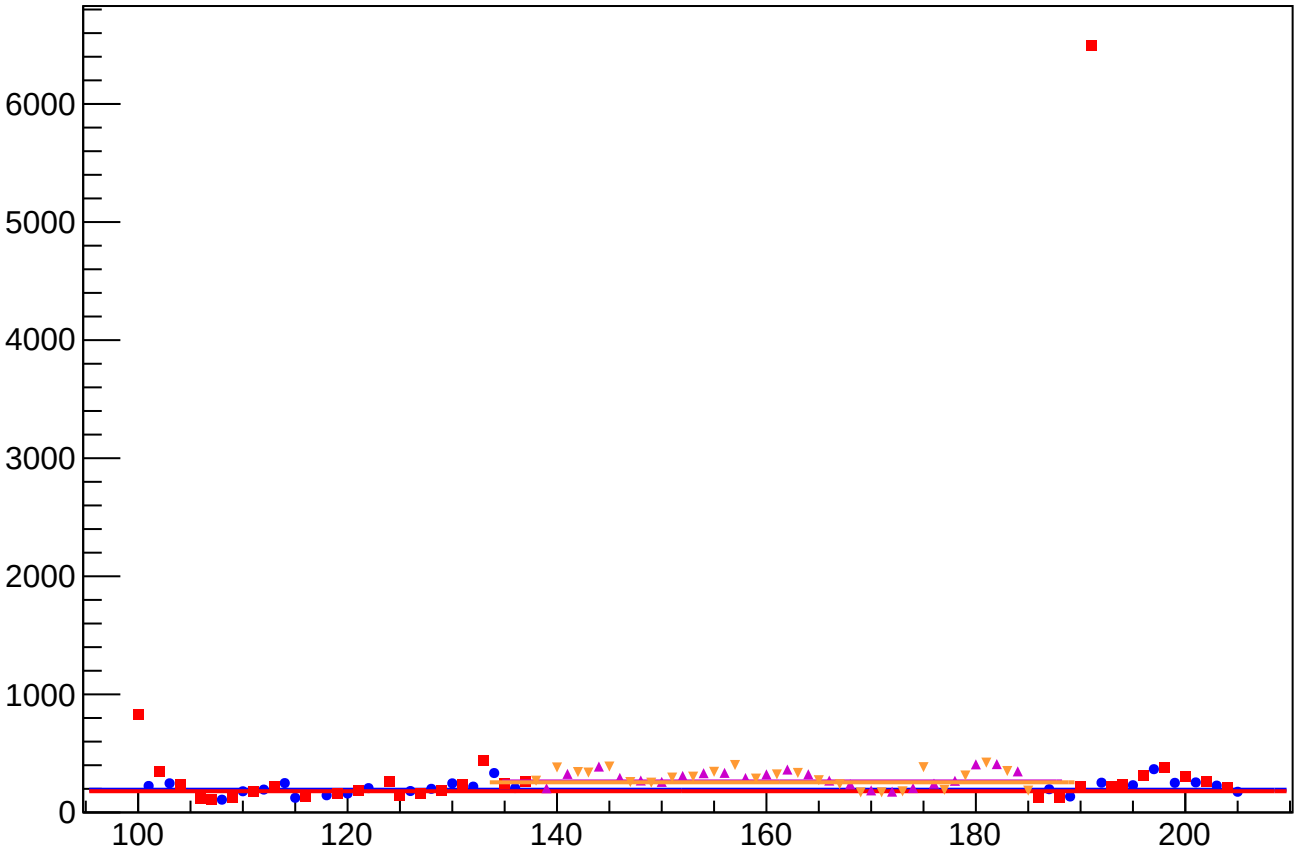
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: 0.010+/-0.037 χ^2/NDF: 49.4/54

In: 0.086+/-0.042 χ^2/NDF:49.9/47

Out: -0.052+/-0.039 χ^2/NDF:50.9/54

All: 0.013+/-0.029 χ^2/NDF: 106.6/102



Right In: 192.612+/-0.039 χ^2/NDF: 1879961.5/24

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 179.769+/-0.036 χ^2/NDF: 3526728.9/29

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

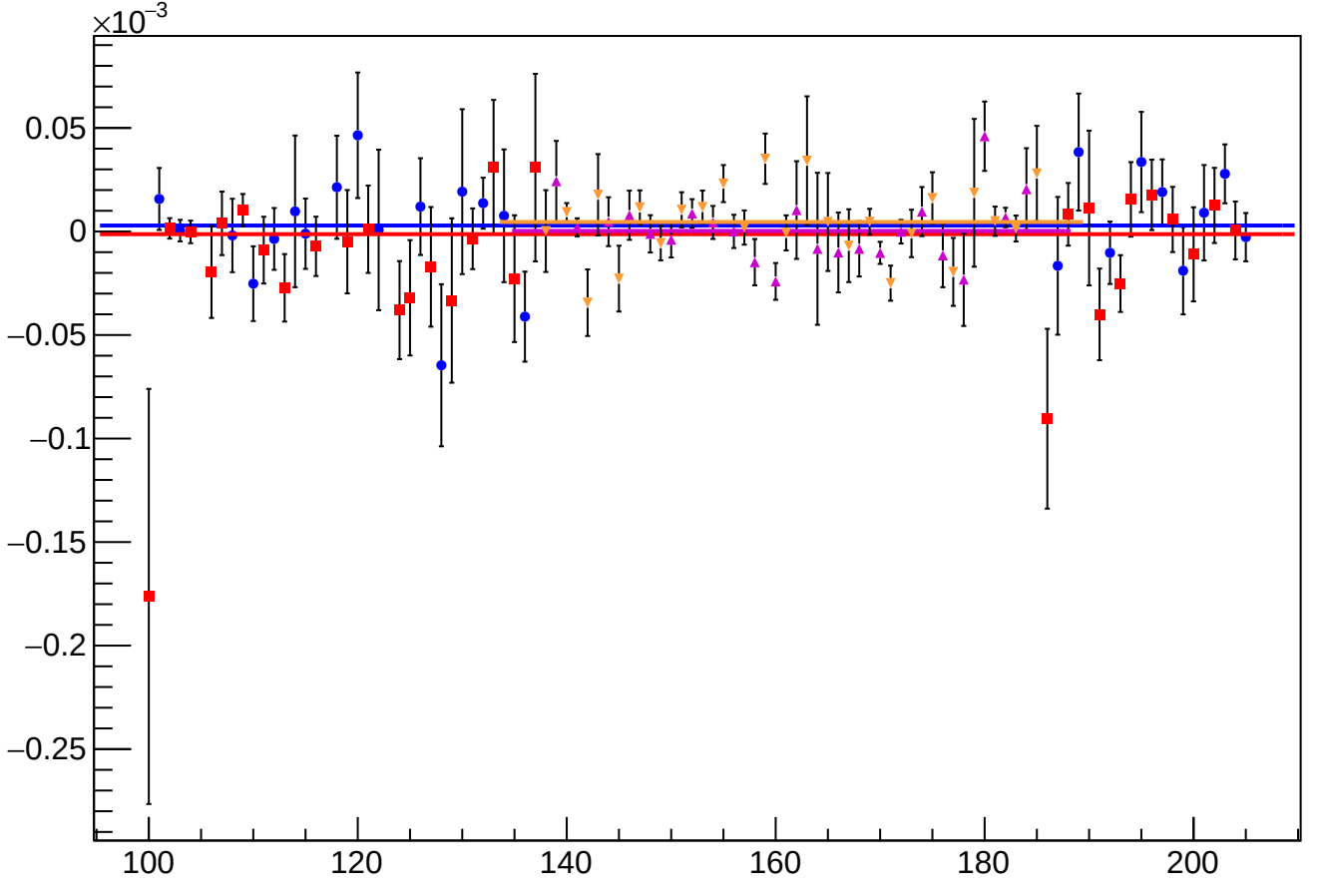
Left: 258.898+/-0.032 χ^2/NDF: 4974421.6/47

Right: 185.734+/-0.026 χ^2/NDF: 5465988.3/54

In: 221.695+/-0.030 χ^2/NDF:5275199.9/47

Out: 210.196+/-0.028 χ^2/NDF:8242451.1/54

All: 215.594+/-0.020 χ^2/NDF: 13598078.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.9/29

Left In: 0.000+/-0.000 χ^2/NDF:31.2/22

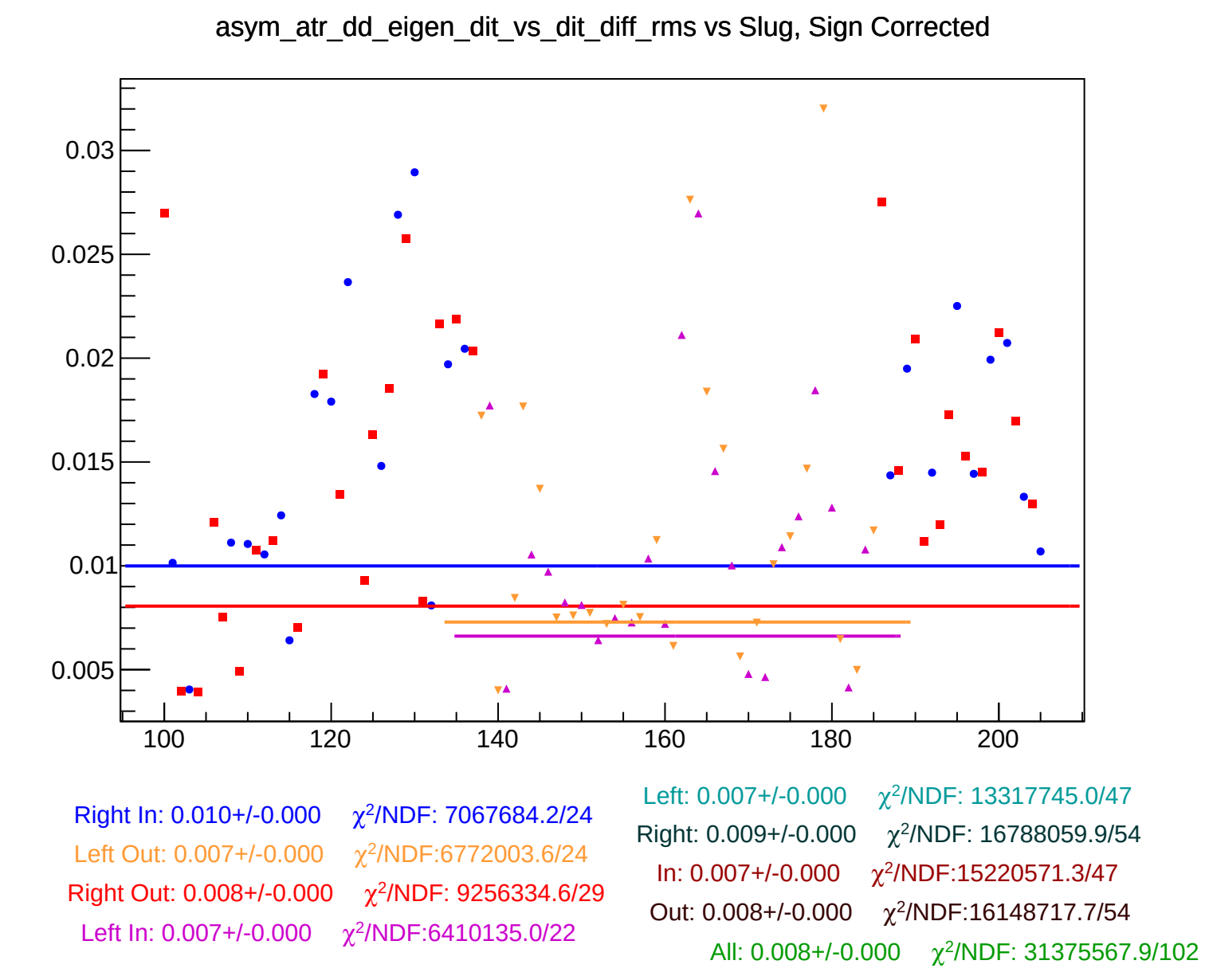
Left: 0.000+/-0.000 χ^2/NDF: 77.4/47

Right: 0.000+/-0.000 χ^2/NDF: 55.3/54

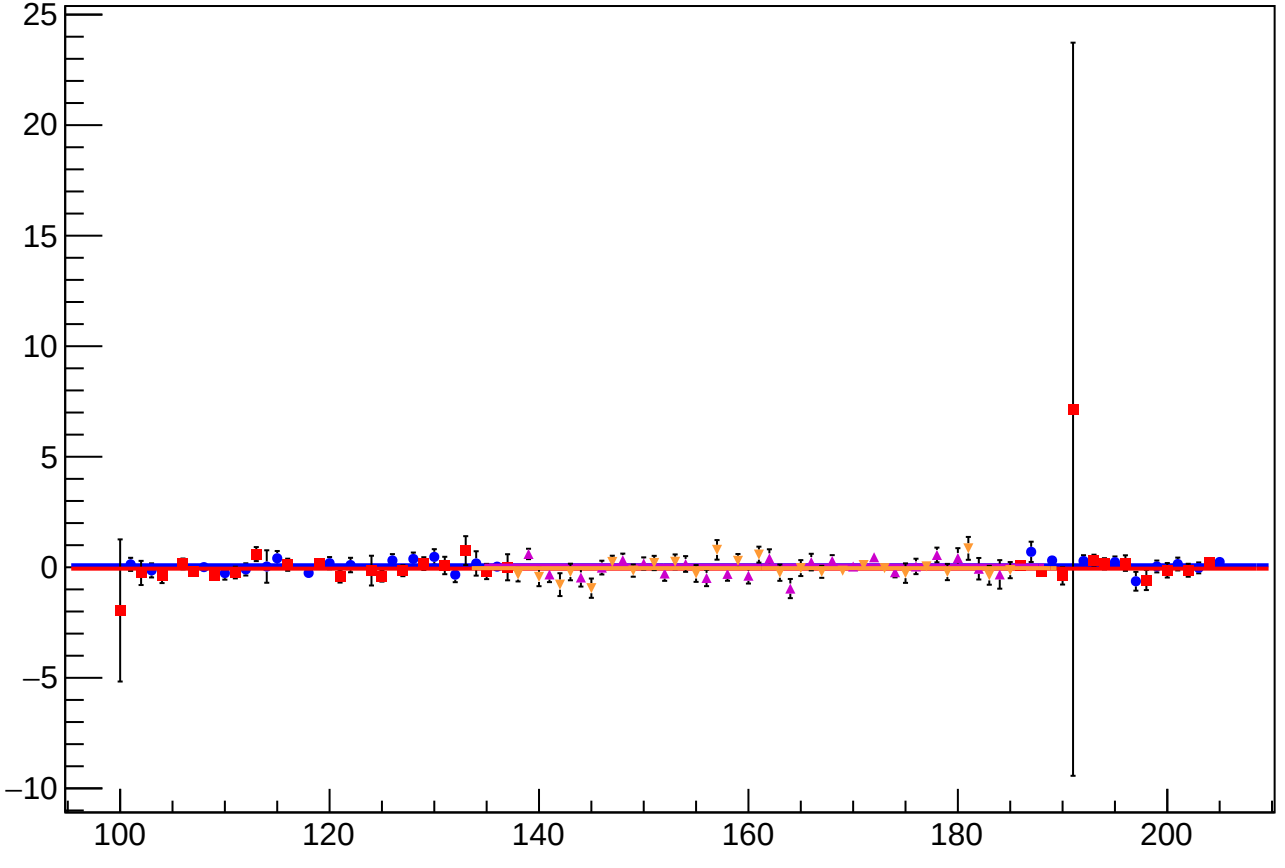
In: 0.000+/-0.000 χ^2/NDF:56.1/47

Out: 0.000+/-0.000 χ^2/NDF:76.8/54

All: 0.000+/-0.000 χ^2/NDF: 133.4/102


asym_atr_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.010+/-0.000 χ²/NDF: 7067684.2/24
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 9256334.6/29
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
Left: 0.007+/-0.000 χ²/NDF: 13317745.0/47
Right: 0.009+/-0.000 χ²/NDF: 16788059.9/54
In: 0.007+/-0.000 χ²/NDF:15220571.3/47
Out: 0.008+/-0.000 χ²/NDF:16148717.7/54
All: 0.008+/-0.000 χ²/NDF: 31375567.9/102

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

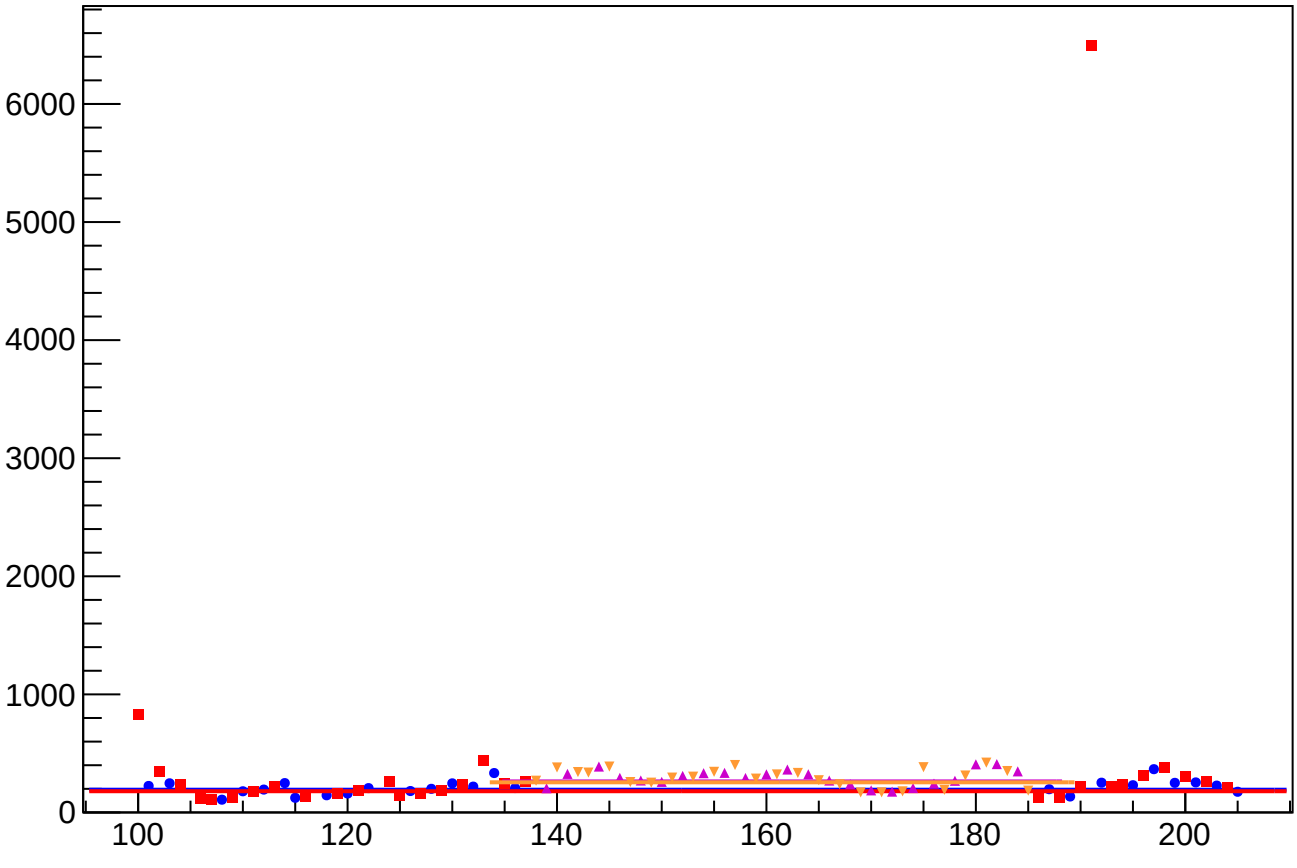
Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

Right: 0.010+/-0.037 χ^2/NDF: 49.4/54

In: 0.086+/-0.042 χ^2/NDF:49.9/47

Out: -0.052+/-0.039 χ^2/NDF:50.9/54

All: 0.013+/-0.029 χ^2/NDF: 106.6/102



Right In: 192.612+/-0.039 χ^2/NDF: 1879973.8/24

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 179.771+/-0.036 χ^2/NDF: 3526689.0/29

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

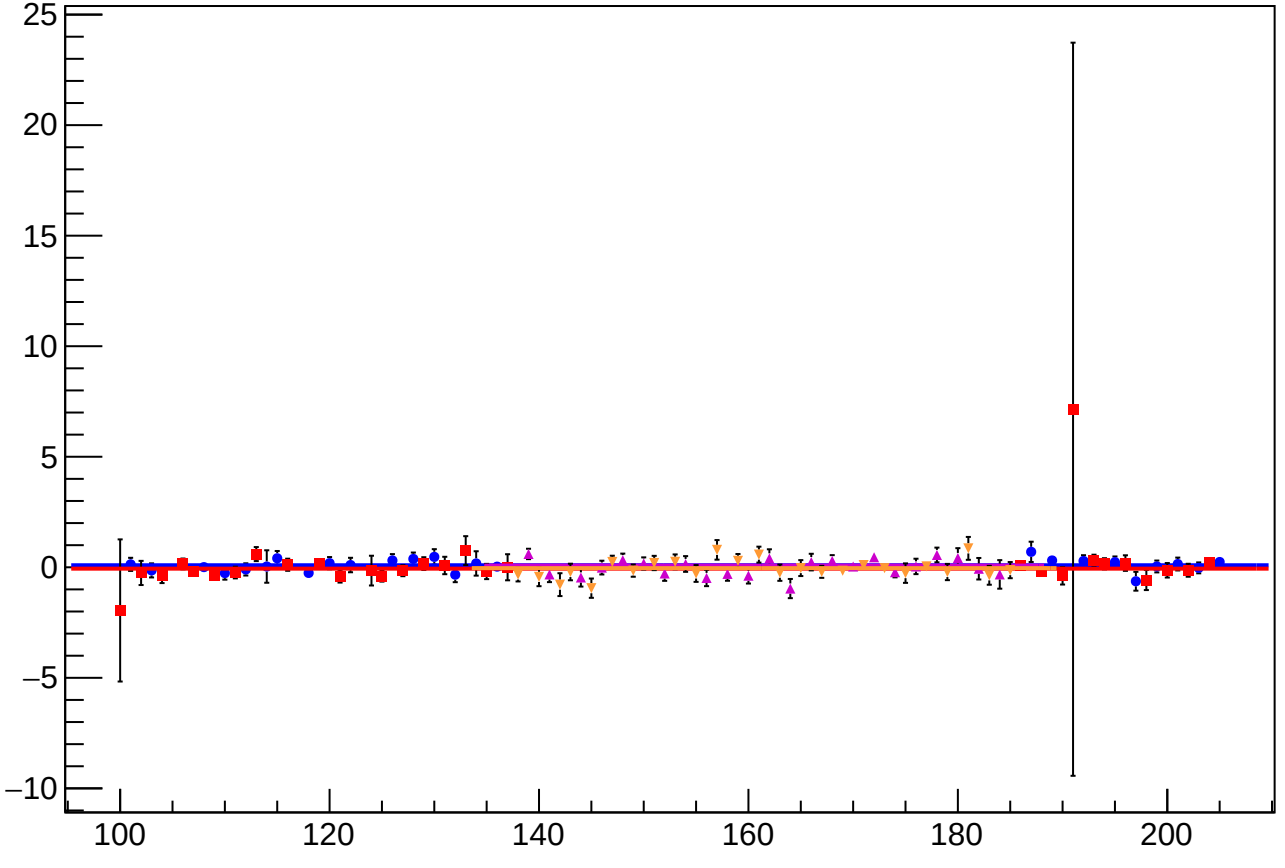
Right: 185.734+/-0.026 χ^2/NDF: 5465944.5/54

In: 221.696+/-0.030 χ^2/NDF:5275343.4/47

Out: 210.198+/-0.028 χ^2/NDF:8242506.3/54

All: 215.595+/-0.020 χ^2/NDF: 13598260.3/10

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: -0.062+/-0.051 χ^2/NDF: 26.3/29

Left In: 0.078+/-0.065 χ^2/NDF:31.1/22

Left: 0.017+/-0.045 χ^2/NDF: 57.2/47

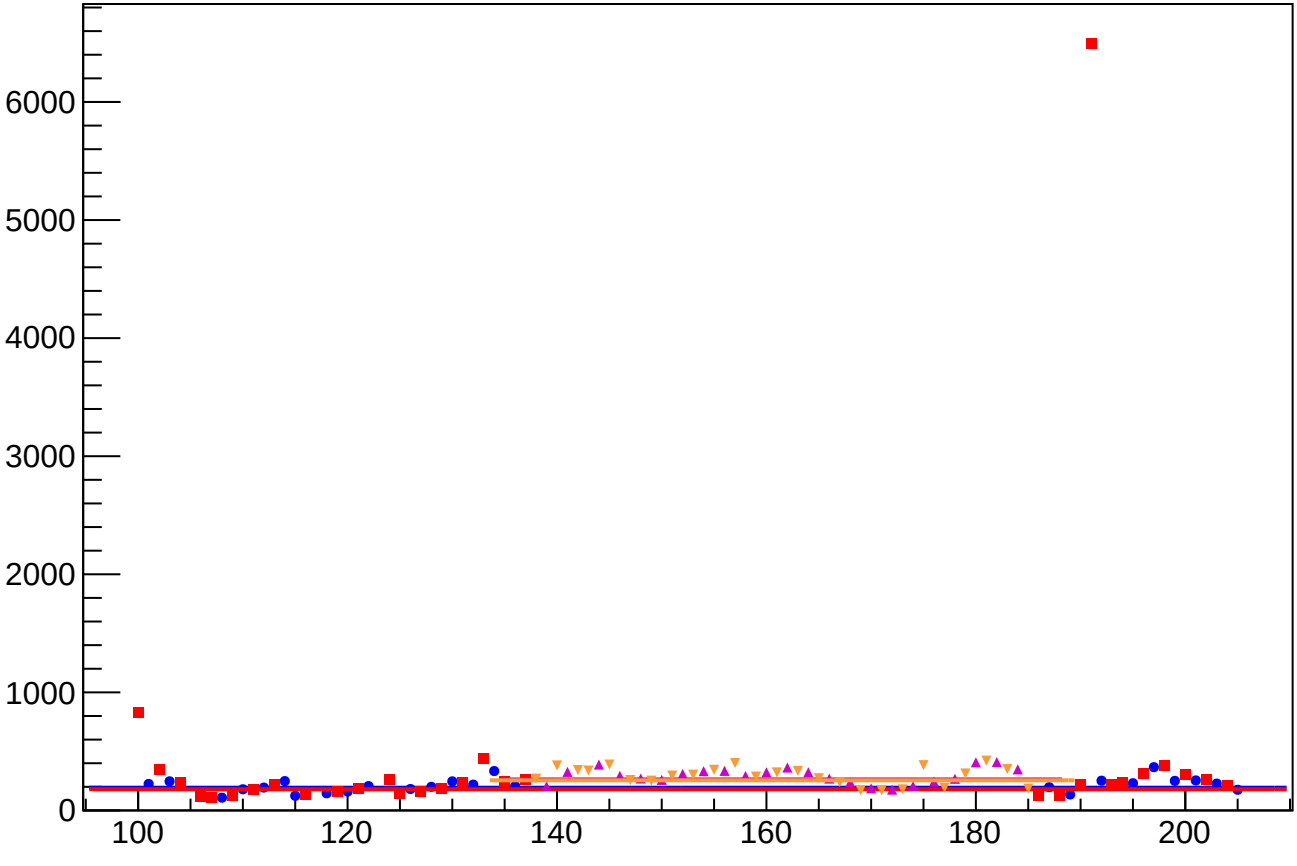
Right: 0.010+/-0.037 χ^2/NDF: 49.4/54

In: 0.086+/-0.042 χ^2/NDF:49.9/47

Out: -0.052+/-0.039 χ^2/NDF:50.9/54

All: 0.013+/-0.029 χ^2/NDF: 106.6/102

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 192.612+/-0.039 χ^2/NDF: 1879973.8/24

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 179.771+/-0.036 χ^2/NDF: 3526689.0/29

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

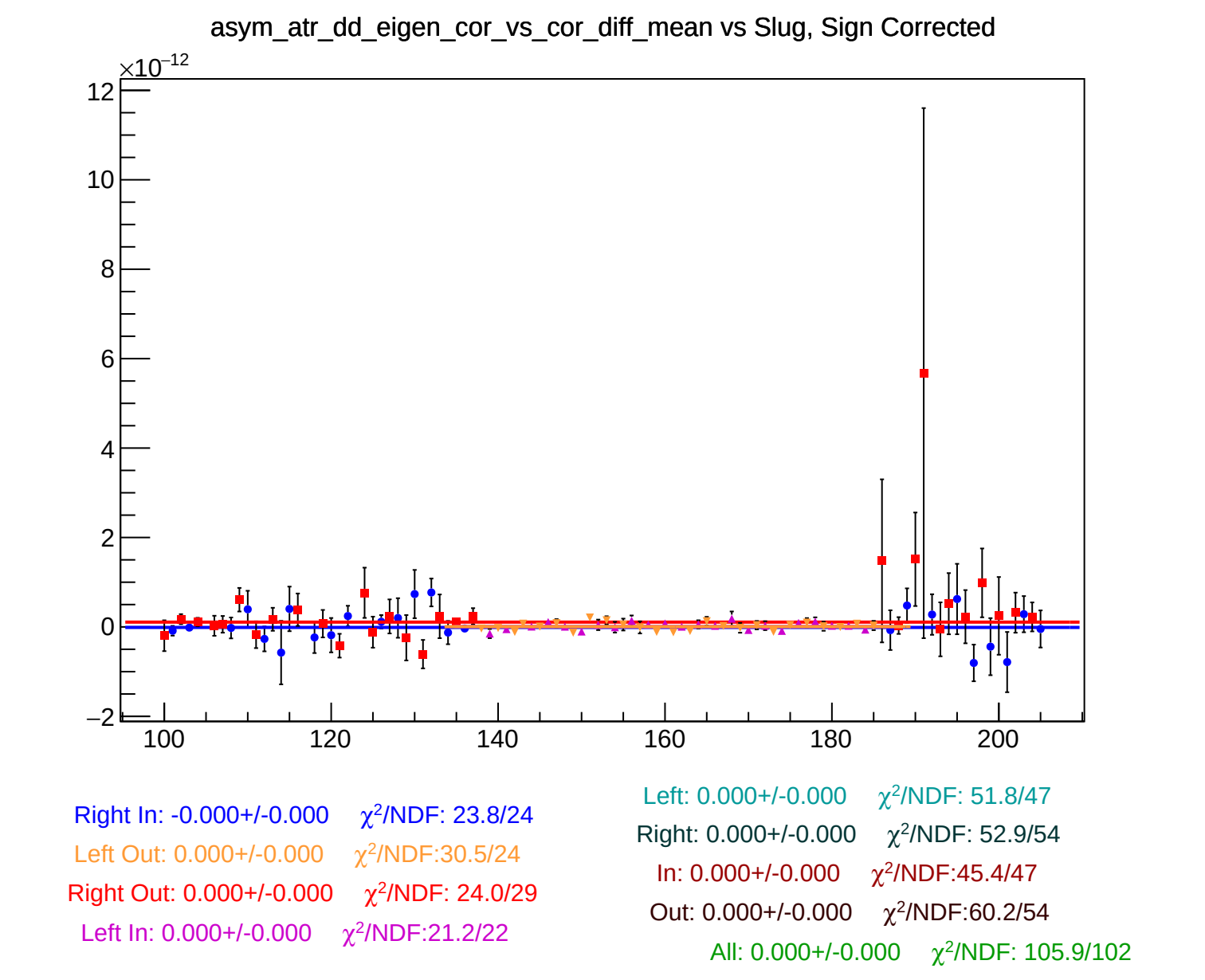
Left: 258.900+/-0.032 χ^2/NDF: 4974565.9/47

Right: 185.734+/-0.026 χ^2/NDF: 5465944.5/54

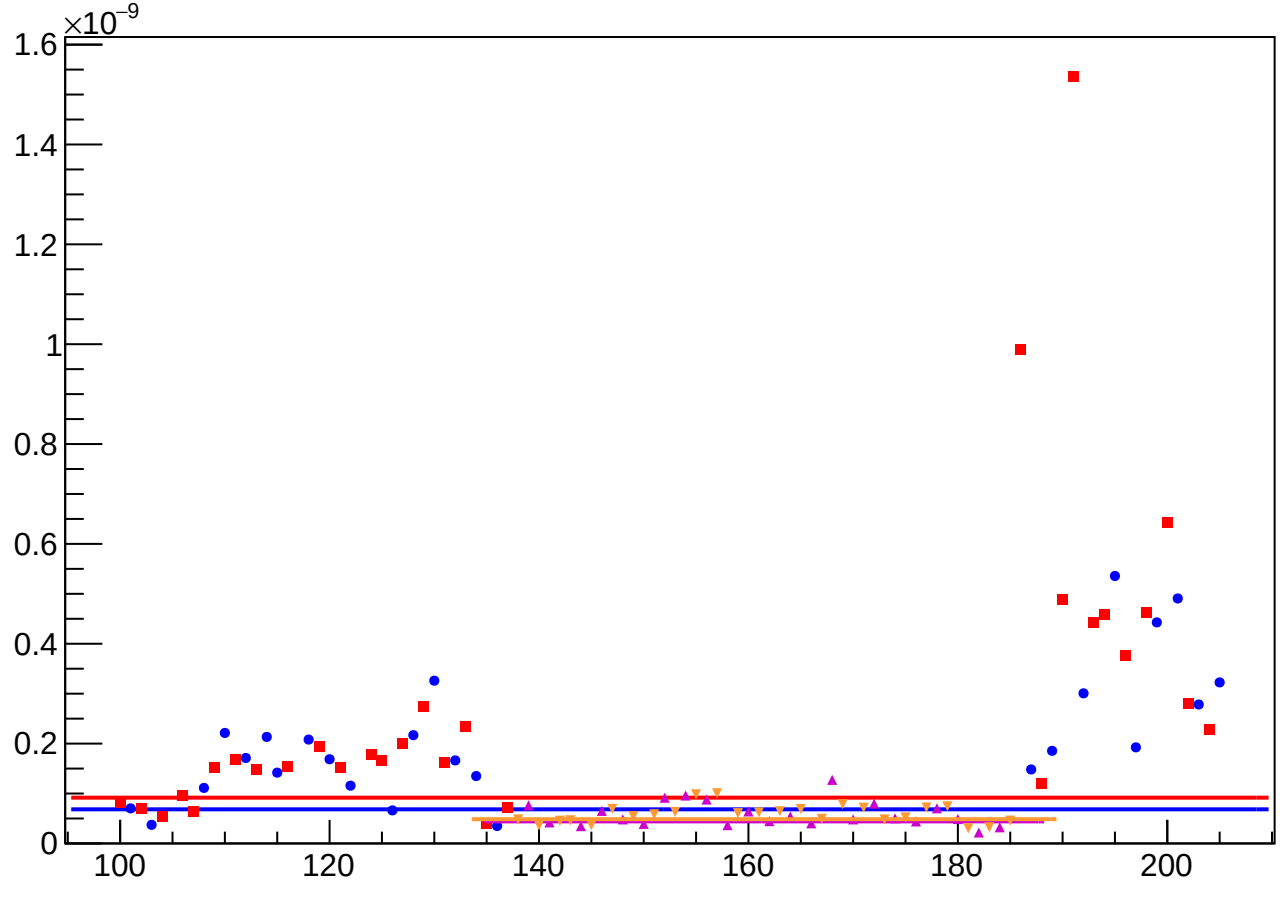
In: 221.696+/-0.030 χ^2/NDF:5275343.4/47

Out: 210.198+/-0.028 χ^2/NDF:8242506.3/54

All: 215.595+/-0.020 χ^2/NDF: 13598260.3/10


asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
12
10
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 23.8/24
Left Out: 0.000+/-0.000 χ²/NDF:30.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 24.0/29
Left In: 0.000+/-0.000 χ²/NDF:21.2/22
Left: 0.000+/-0.000 χ²/NDF: 51.8/47
Right: 0.000+/-0.000 χ²/NDF: 52.9/54
In: 0.000+/-0.000 χ²/NDF:45.4/47
Out: 0.000+/-0.000 χ²/NDF:60.2/54
All: 0.000+/-0.000 χ²/NDF: 105.9/102

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7926322.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7563529.2/29

Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6214196.4/47

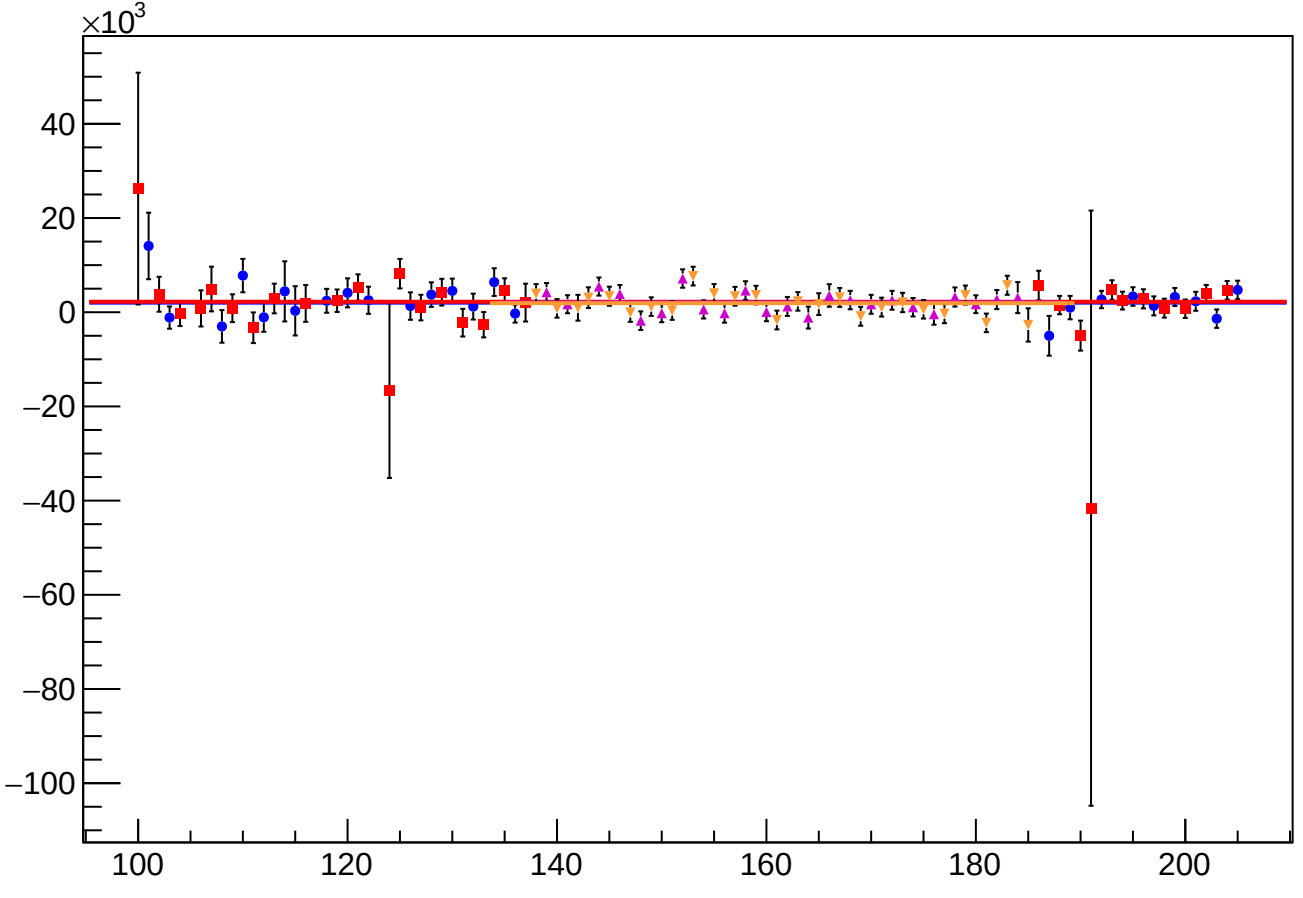
Right: 0.000+/-0.000 χ^2/NDF: 15879886.0/54

In: 0.000+/-0.000 χ^2/NDF:12400560.7/47

Out: 0.000+/-0.000 χ^2/NDF:12108537.2/54

All: 0.000+/-0.000 χ^2/NDF: 24703794.8/102

reg_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.931+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: 2223.098+/-493.814 χ^2/NDF: 30.5/29

Left In: 2074.205+/-423.203 χ^2/NDF:26.5/22

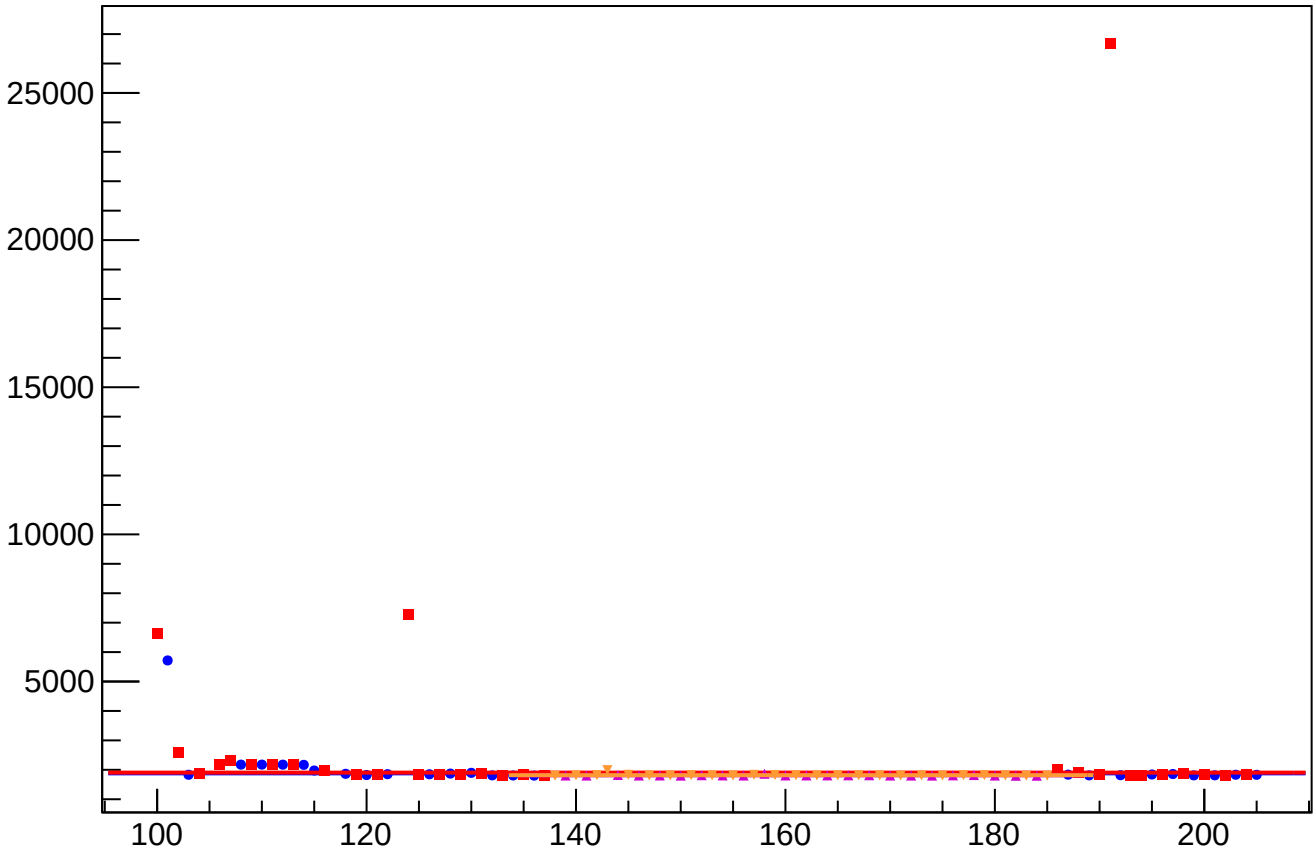
Left: 1995.525+/-295.545 χ^2/NDF: 59.1/47

Right: 2133.314+/-353.512 χ^2/NDF: 56.0/54

In: 2059.697+/-324.708 χ^2/NDF:52.0/47

Out: 2045.087+/-316.767 χ^2/NDF:63.2/54

All: 2052.211+/-226.743 χ^2/NDF: 115.2/102



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1904.892+/-0.349 χ^2/NDF: 729883.6/29

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

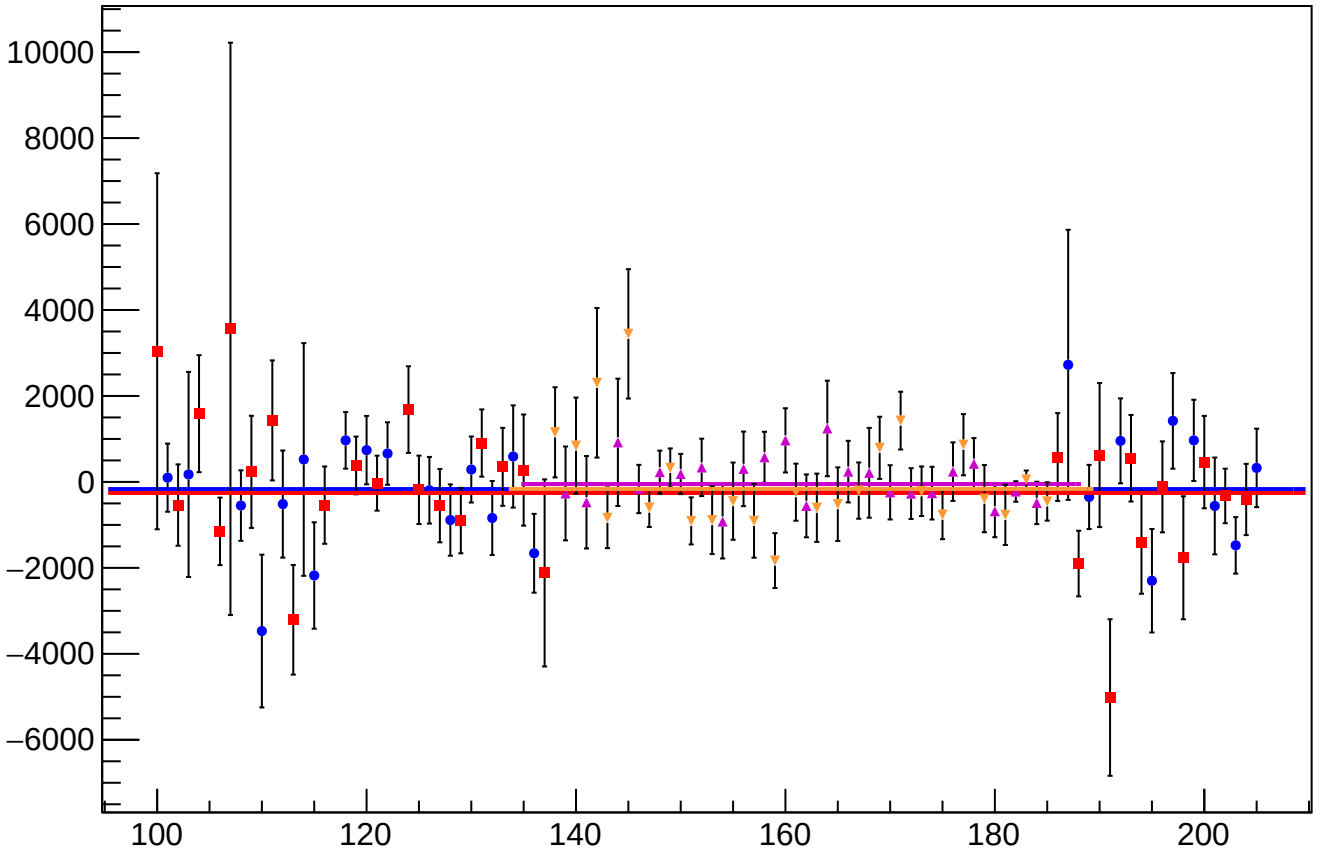
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1892.444+/-0.250 χ^2/NDF: 1394974.9/54

In: 1840.026+/-0.230 χ^2/NDF:685000.8/47

Out: 1853.475+/-0.224 χ^2/NDF:779682.9/54

All: 1846.917+/-0.160 χ^2/NDF: 1466441.8/10



Right In: -166.388+/-186.746 χ^2/NDF: 30.1/24

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -256.603+/-178.205 χ^2/NDF: 36.0/29

Left In: -49.290+/-122.691 χ^2/NDF:11.3/22

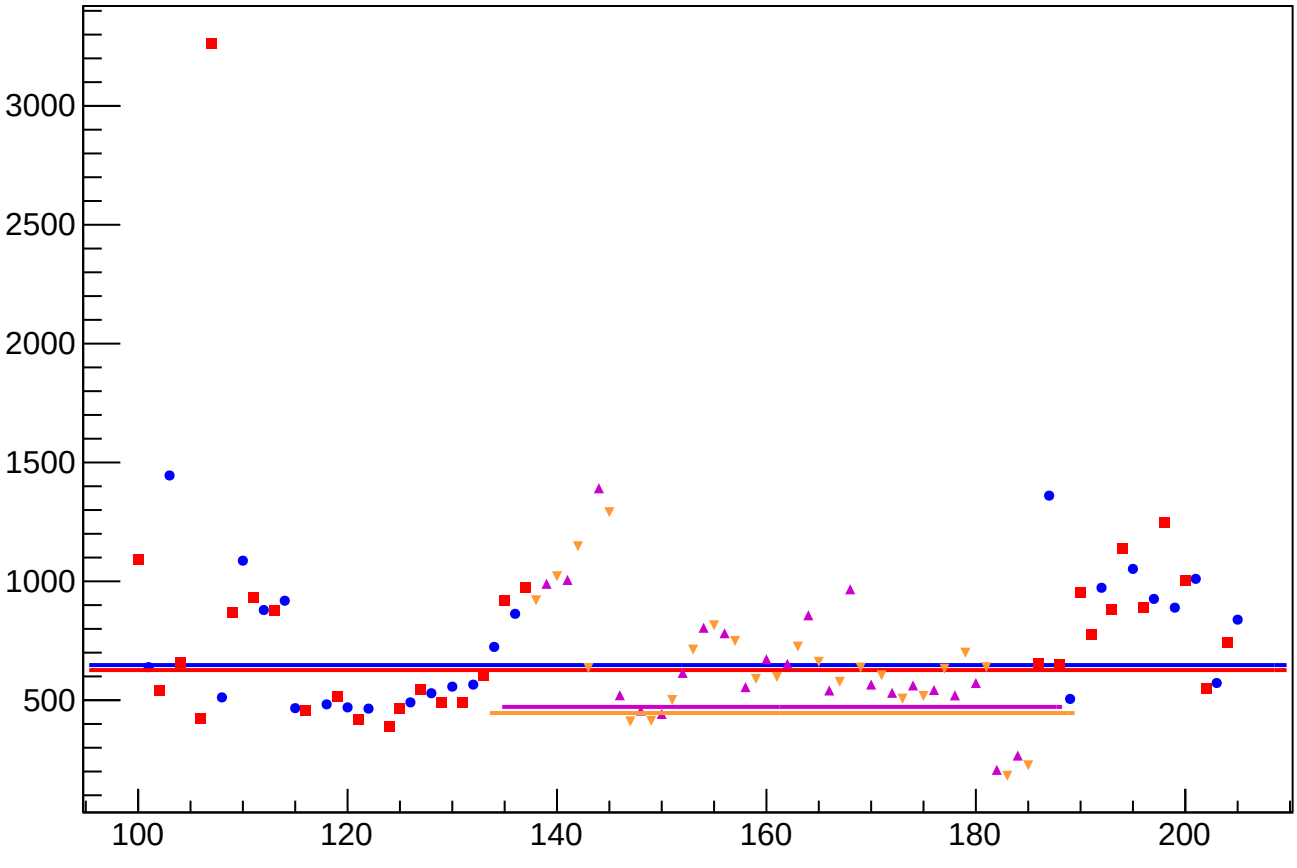
Left: -109.673+/-84.019 χ^2/NDF: 48.6/47

Right: -213.605+/-128.923 χ^2/NDF: 66.2/54

In: -84.595+/-102.541 χ^2/NDF:41.7/47

Out: -190.617+/-96.802 χ^2/NDF:73.0/54

All: -140.655+/-70.391 χ^2/NDF: 115.3/102



Right In: 647.758+/-0.132 χ^2/NDF: 2368712.2/24

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 626.705+/-0.126 χ^2/NDF: 2956353.7/29

Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

Left: 458.017+/-0.059 χ^2/NDF: 14443518.4/47

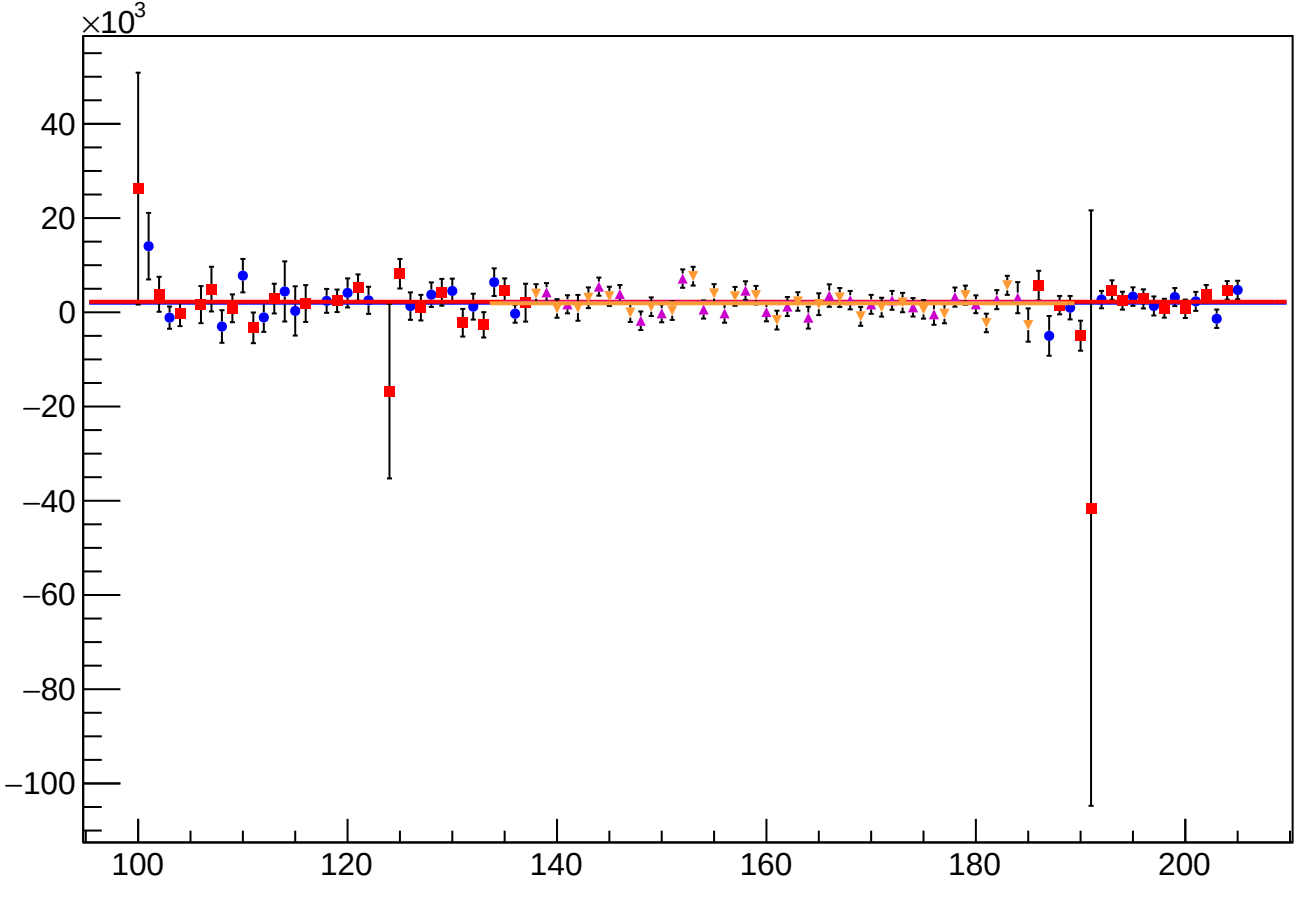
Right: 636.739+/-0.091 χ^2/NDF: 5338369.2/54

In: 524.814+/-0.073 χ^2/NDF:10023633.7/47

Out: 499.246+/-0.068 χ^2/NDF:12390224.6/54

All: 511.294+/-0.050 χ^2/NDF: 22479606.9/10

cor_asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2038.856+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2237.247+/-494.009 χ^2/NDF: 30.4/29

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

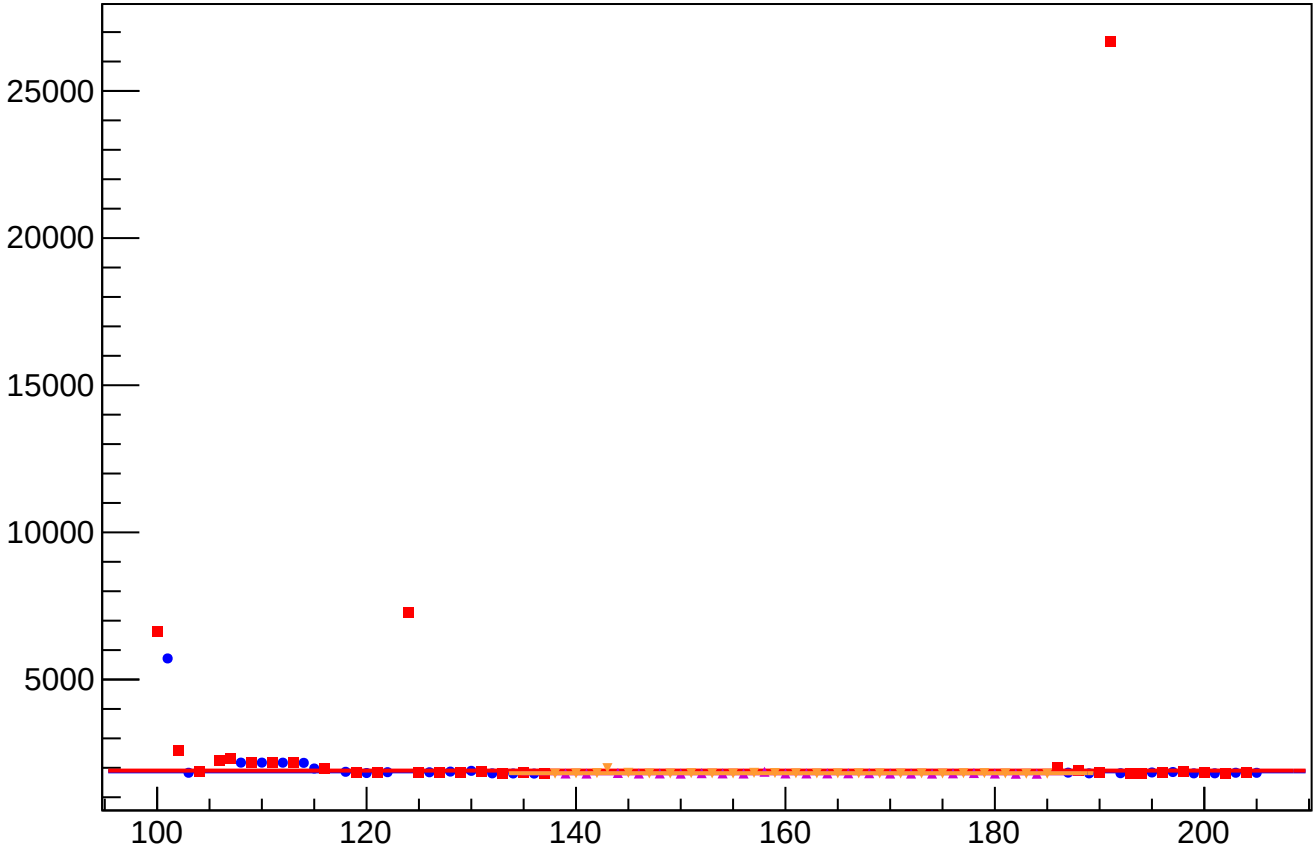
Right: 2140.490+/-353.584 χ^2/NDF: 55.9/54

In: 2059.725+/-324.708 χ^2/NDF:52.0/47

Out: 2050.827+/-316.818 χ^2/NDF:63.2/54

All: 2055.167+/-226.762 χ^2/NDF: 115.1/102

cor_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1905.465+/-0.349 χ^2/NDF: 733448.1/29

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

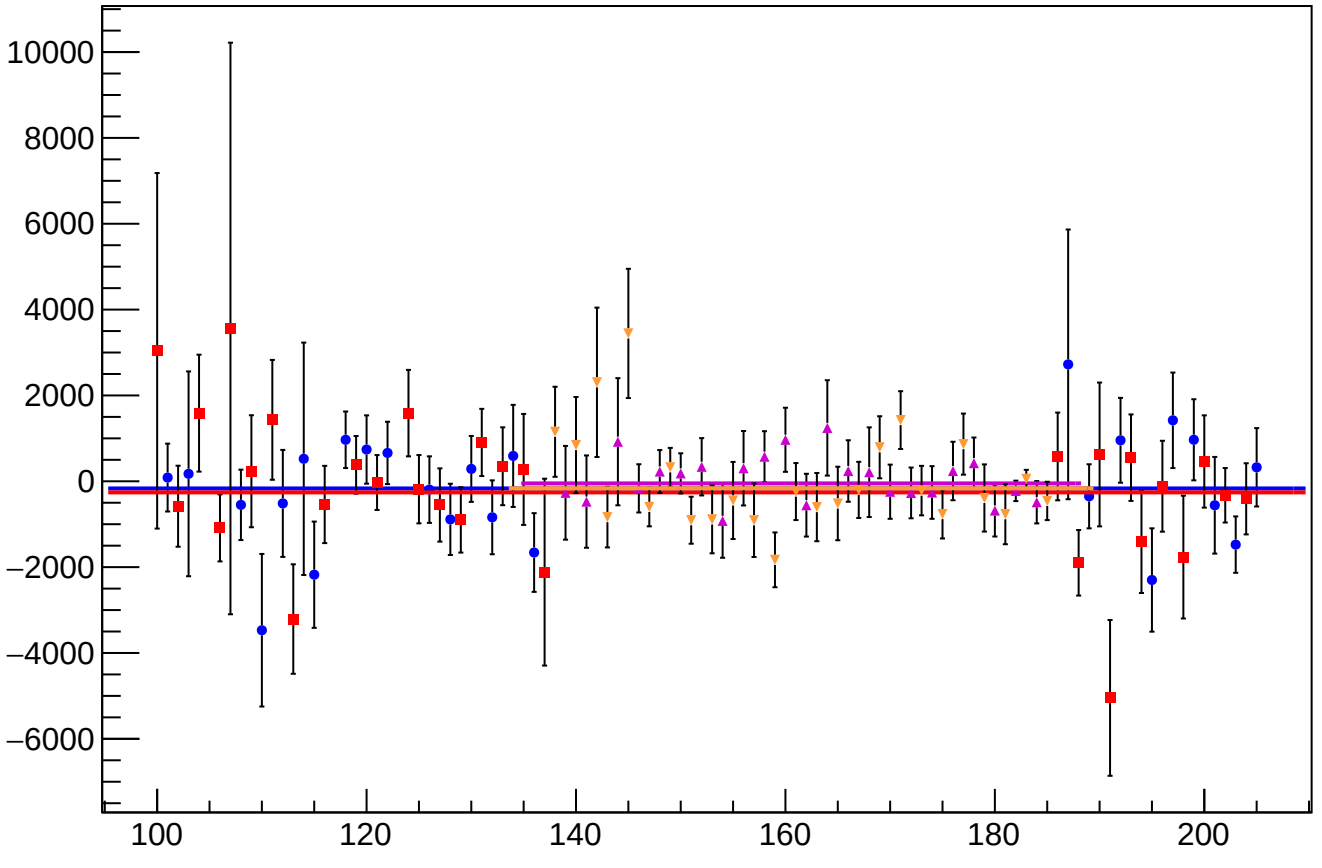
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

Right: 1892.732+/-0.250 χ^2/NDF: 1398656.5/54

In: 1840.026+/-0.230 χ^2/NDF:685000.8/47

Out: 1853.693+/-0.224 χ^2/NDF:783714.3/54

All: 1847.028+/-0.160 χ^2/NDF: 1470530.4/10



Right In: -166.891+/-186.720 χ^2/NDF: 30.1/24

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -258.766+/-178.128 χ^2/NDF: 35.6/29

Left In: -49.310+/-122.694 χ^2/NDF:11.3/22

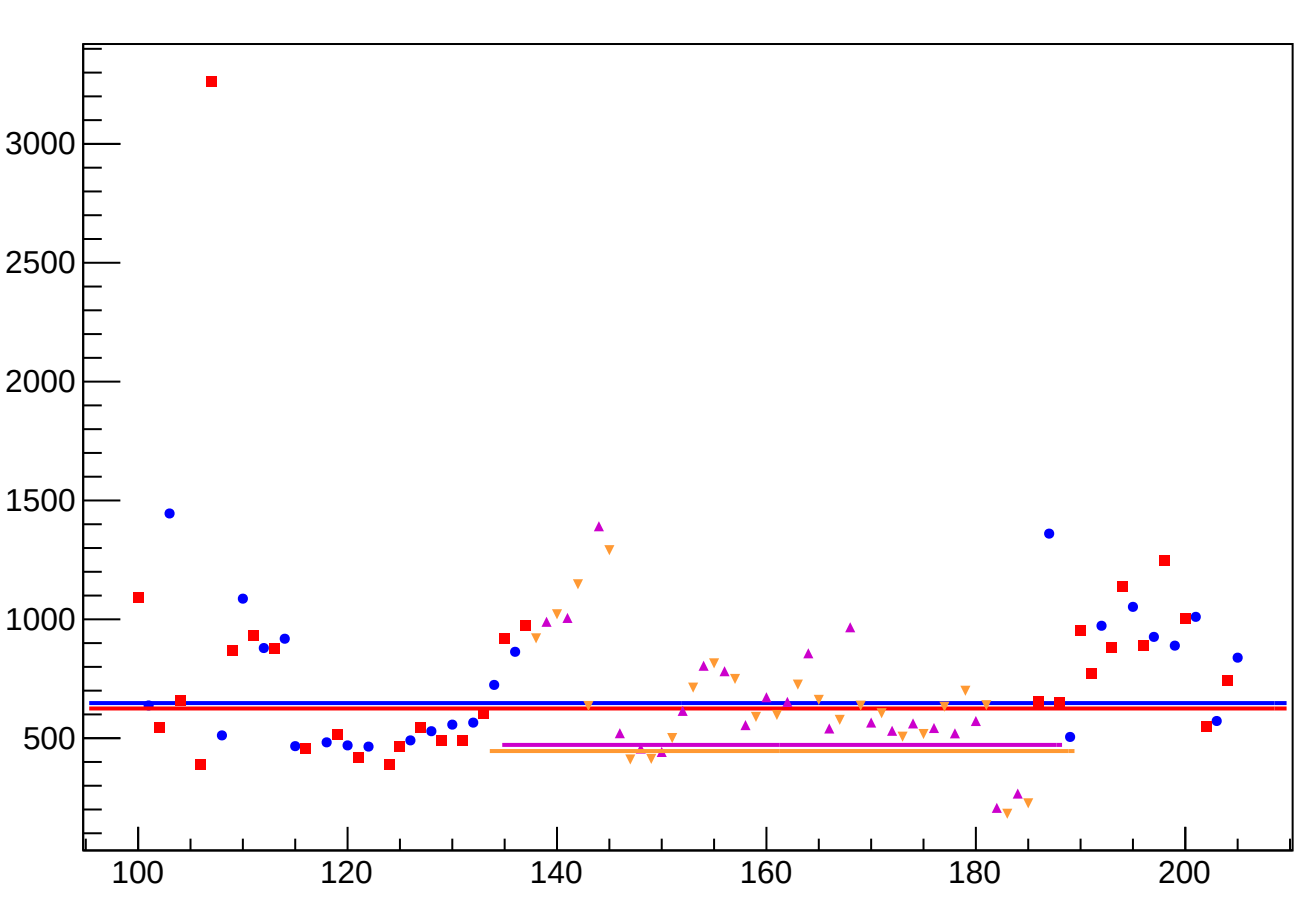
Left: -109.640+/-84.018 χ^2/NDF: 48.6/47

Right: -214.991+/-128.886 χ^2/NDF: 65.8/54

In: -84.768+/-102.538 χ^2/NDF:41.7/47

Out: -191.211+/-96.787 χ^2/NDF:72.7/54

All: -141.058+/-70.384 χ^2/NDF: 114.9/102



Right In: 647.680+/-0.132 χ^2/NDF: 2368848.8/24

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.953+/-0.126 χ^2/NDF: 3004878.7/29

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

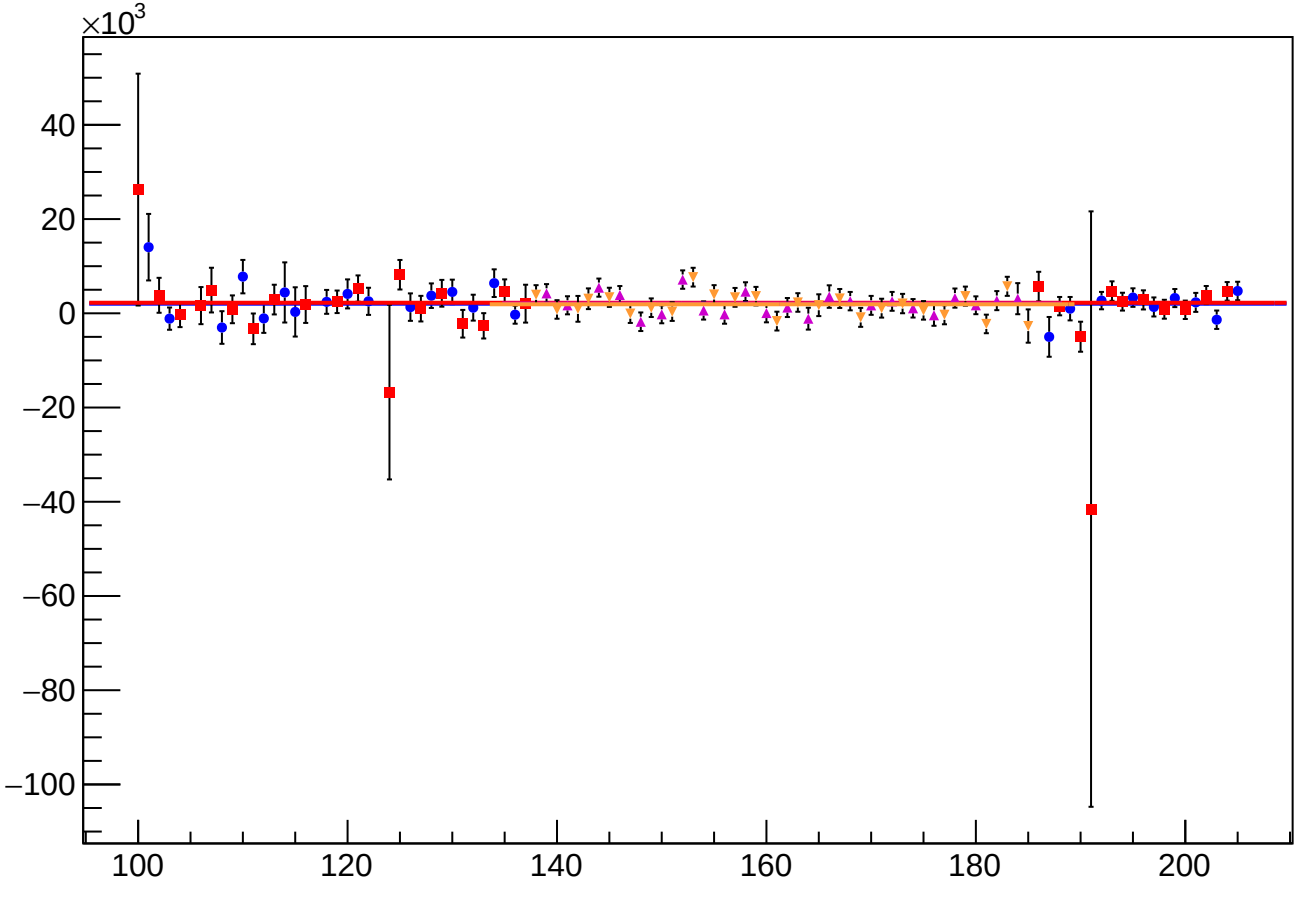
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 635.781+/-0.091 χ^2/NDF: 5389240.3/54

In: 524.810+/-0.073 χ^2/NDF:10022515.9/47

Out: 498.740+/-0.068 χ^2/NDF:12413476.2/54

All: 511.023+/-0.050 χ^2/NDF: 22504359.5/10



Right In: 2038.856+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: 2237.247+/-494.009 χ^2/NDF: 30.4/29

Left In: 2074.306+/-423.203 χ^2/NDF:26.5/22

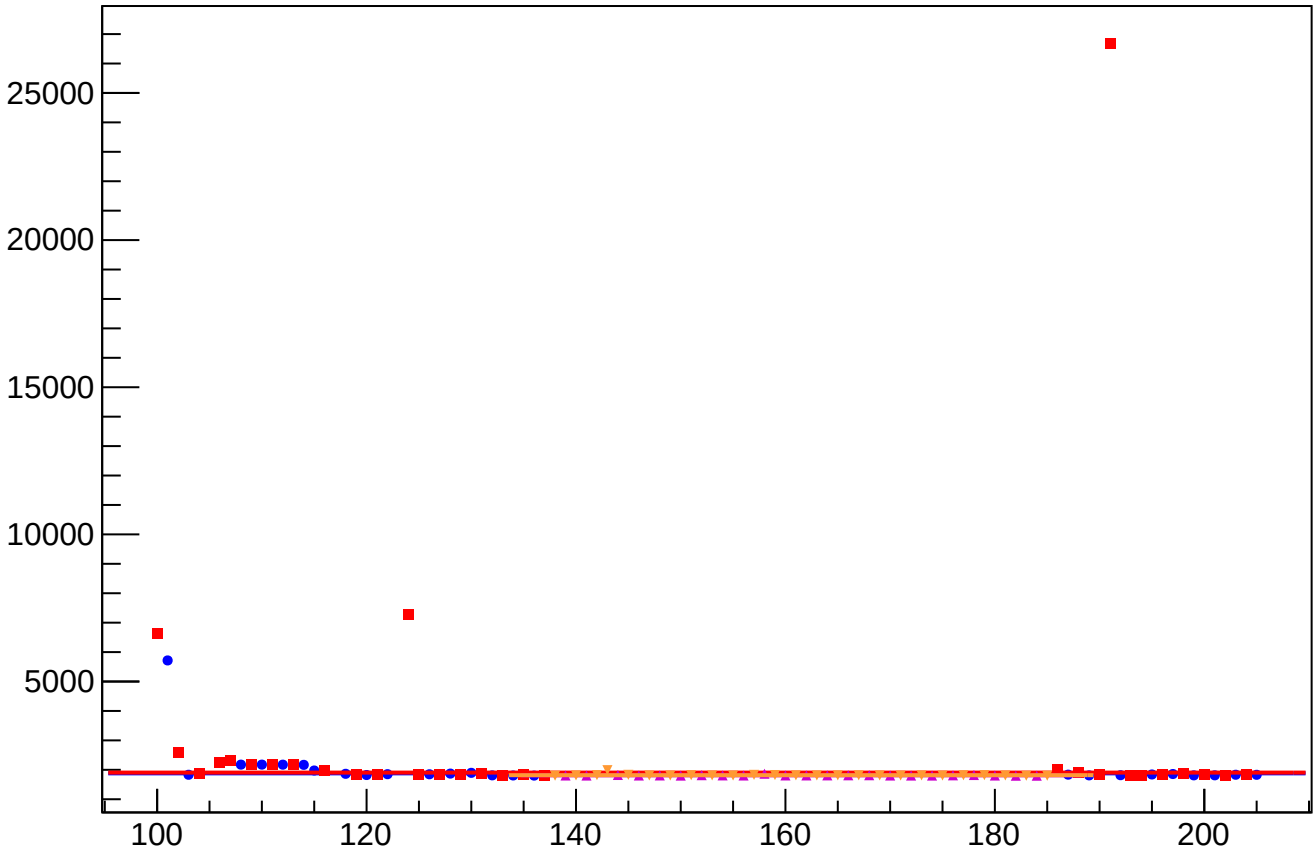
Left: 1995.556+/-295.545 χ^2/NDF: 59.1/47

Right: 2140.490+/-353.584 χ^2/NDF: 55.9/54

In: 2059.725+/-324.708 χ^2/NDF:52.0/47

Out: 2050.827+/-316.818 χ^2/NDF:63.2/54

All: 2055.167+/-226.762 χ^2/NDF: 115.1/102



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1905.465+/-0.349 χ^2/NDF: 733448.1/29

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

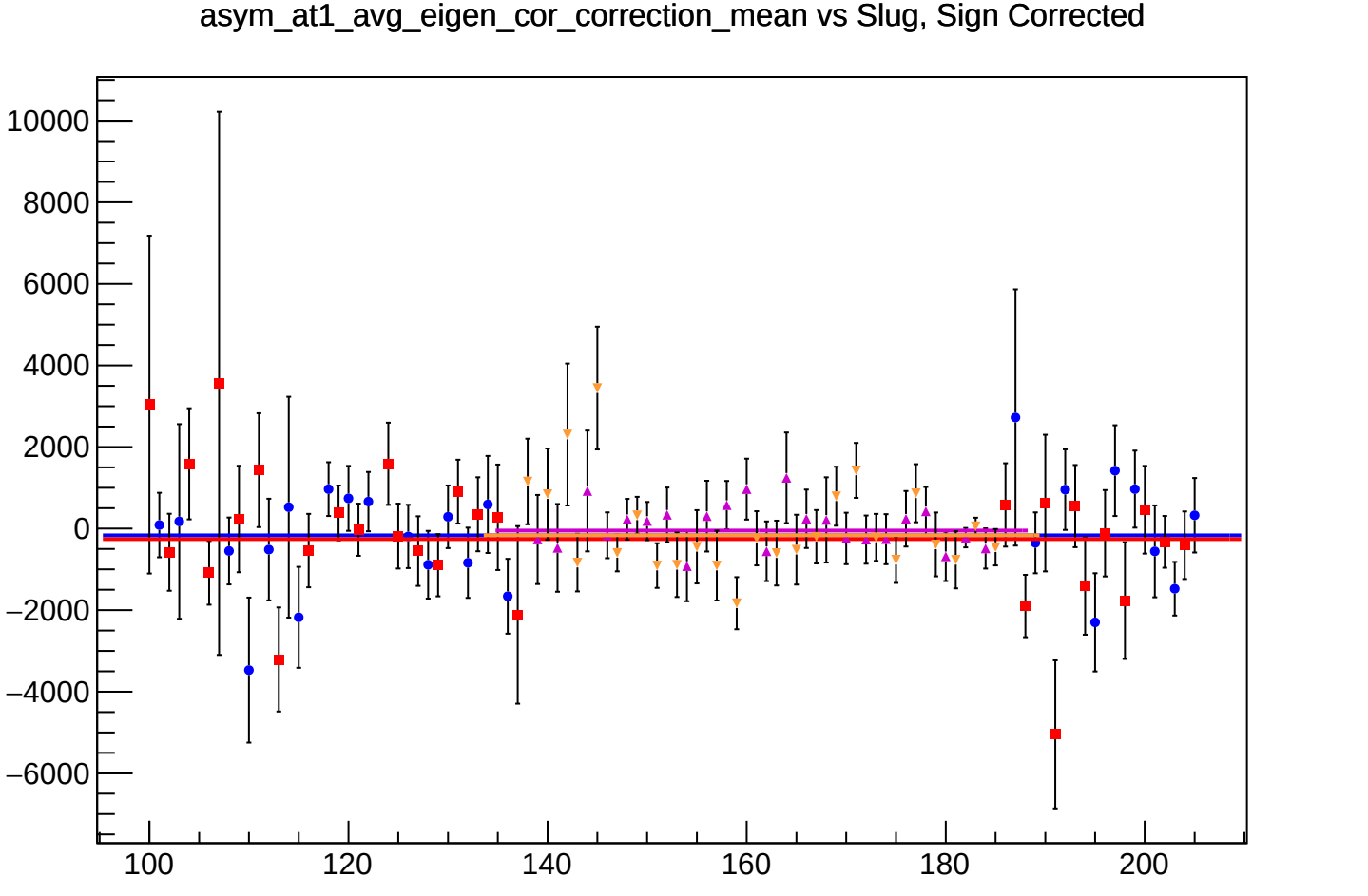
Left: 1815.096+/-0.209 χ^2/NDF: 15110.1/47

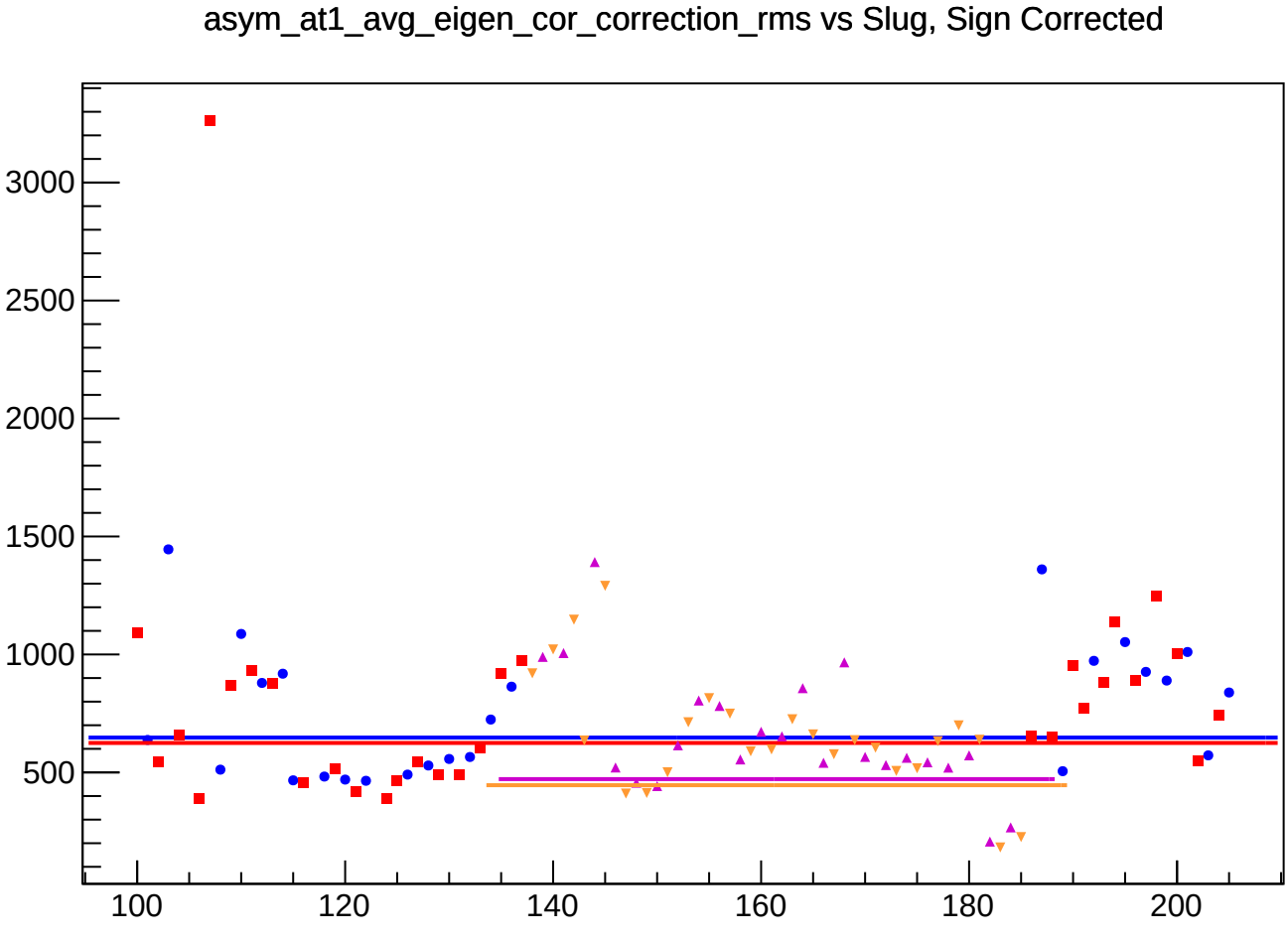
Right: 1892.732+/-0.250 χ^2/NDF: 1398656.5/54

In: 1840.026+/-0.230 χ^2/NDF:685000.8/47

Out: 1853.693+/-0.224 χ^2/NDF:783714.3/54

All: 1847.028+/-0.160 χ^2/NDF: 1470530.4/10


asym_at1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
100
120
140
160
180
200
Right In: -166.891+/-186.720 χ²/NDF: 30.1/24
Left Out: -162.911+/-115.291 χ²/NDF:36.9/24
Right Out: -258.766+/-178.128 χ²/NDF: 35.6/29
Left In: -49.310+/-122.694 χ²/NDF:11.3/22
Left: -109.640+/-84.018 χ²/NDF: 48.6/47
Right: -214.991+/-128.886 χ²/NDF: 65.8/54
In: -84.768+/-102.538 χ²/NDF:41.7/47
Out: -191.211+/-96.787 χ²/NDF:72.7/54
All: -141.058+/-70.384 χ²/NDF: 114.9/102



Right In: 647.680+/-0.132 χ^2/NDF: 2368848.8/24

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 624.953+/-0.126 χ^2/NDF: 3004878.7/29

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

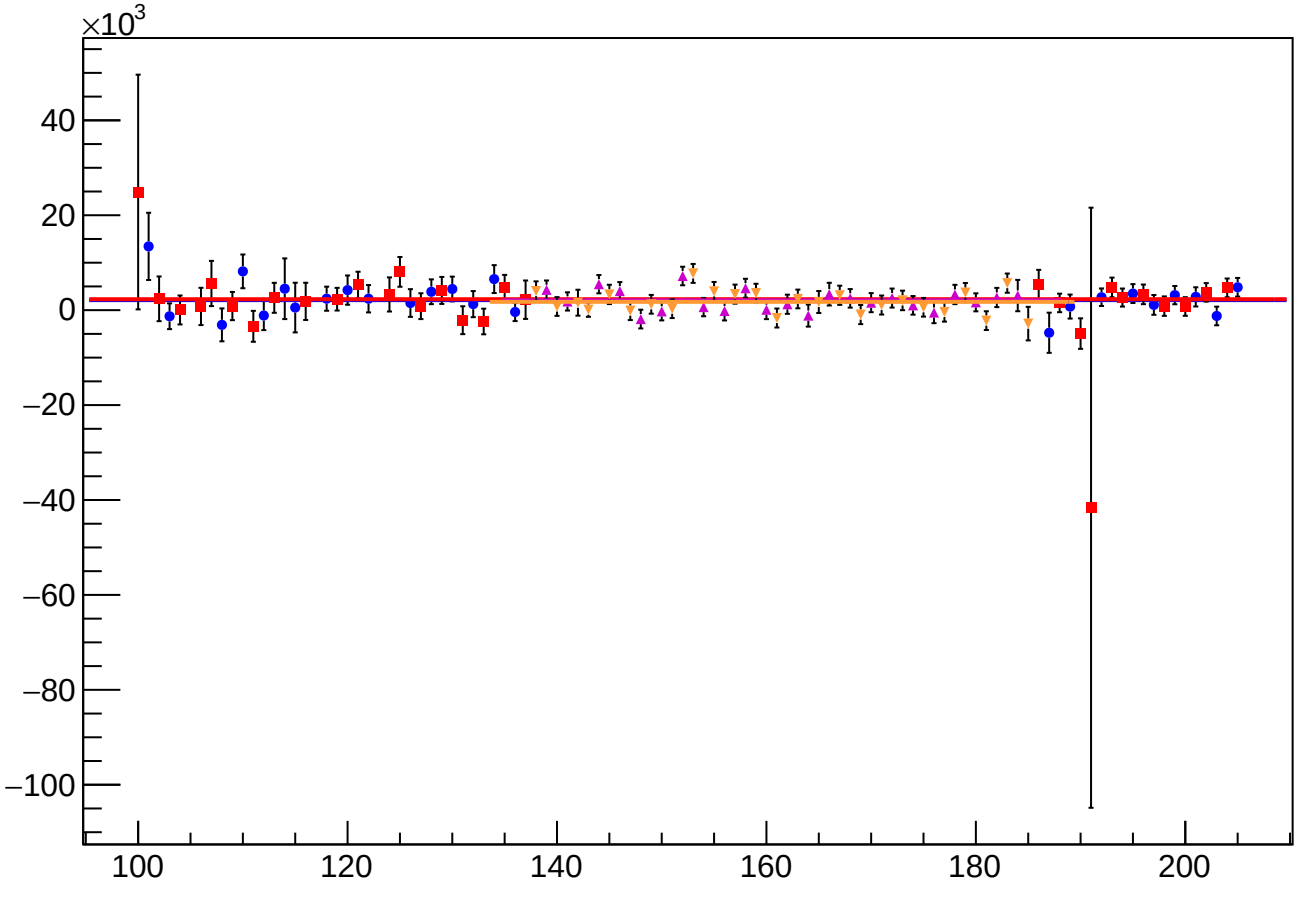
Left: 458.008+/-0.059 χ^2/NDF: 14444849.4/47

Right: 635.781+/-0.091 χ^2/NDF: 5389240.3/54

In: 524.810+/-0.073 χ^2/NDF:10022515.9/47

Out: 498.740+/-0.068 χ^2/NDF:12413476.2/54

All: 511.023+/-0.050 χ^2/NDF: 22504359.5/10



Right In: 2118.738+/-511.846 χ^2/NDF: 25.5/24

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2305.898+/-496.142 χ^2/NDF: 28.4/29

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.472+/-292.900 χ^2/NDF: 61.1/47

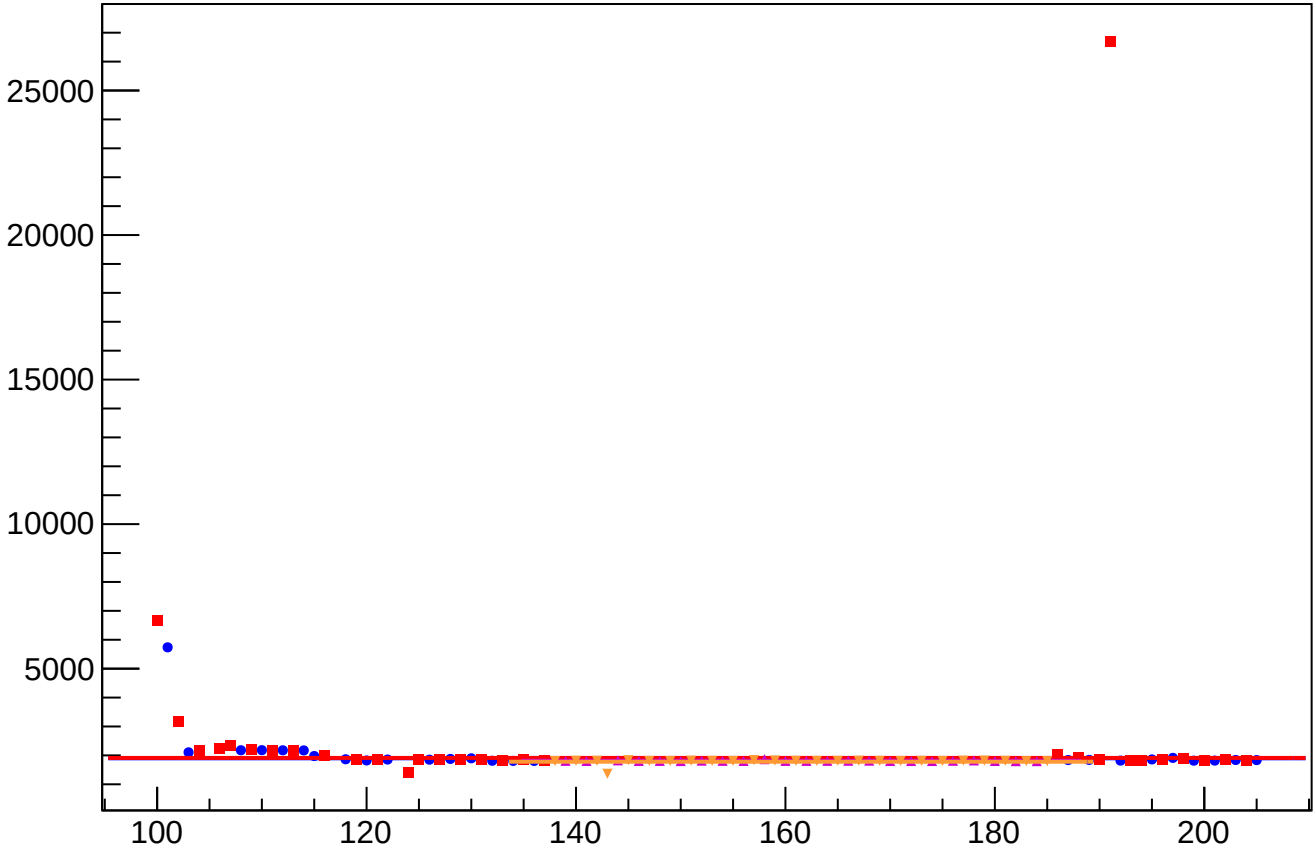
Right: 2215.233+/-356.248 χ^2/NDF: 53.9/54

In: 2091.856+/-326.360 χ^2/NDF:52.5/47

Out: 1975.853+/-313.929 χ^2/NDF:62.9/54

All: 2031.603+/-226.248 χ^2/NDF: 115.5/102

dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1899.348+/-0.362 χ^2/NDF: 671490.6/24

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1912.370+/-0.351 χ^2/NDF: 688942.7/29

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

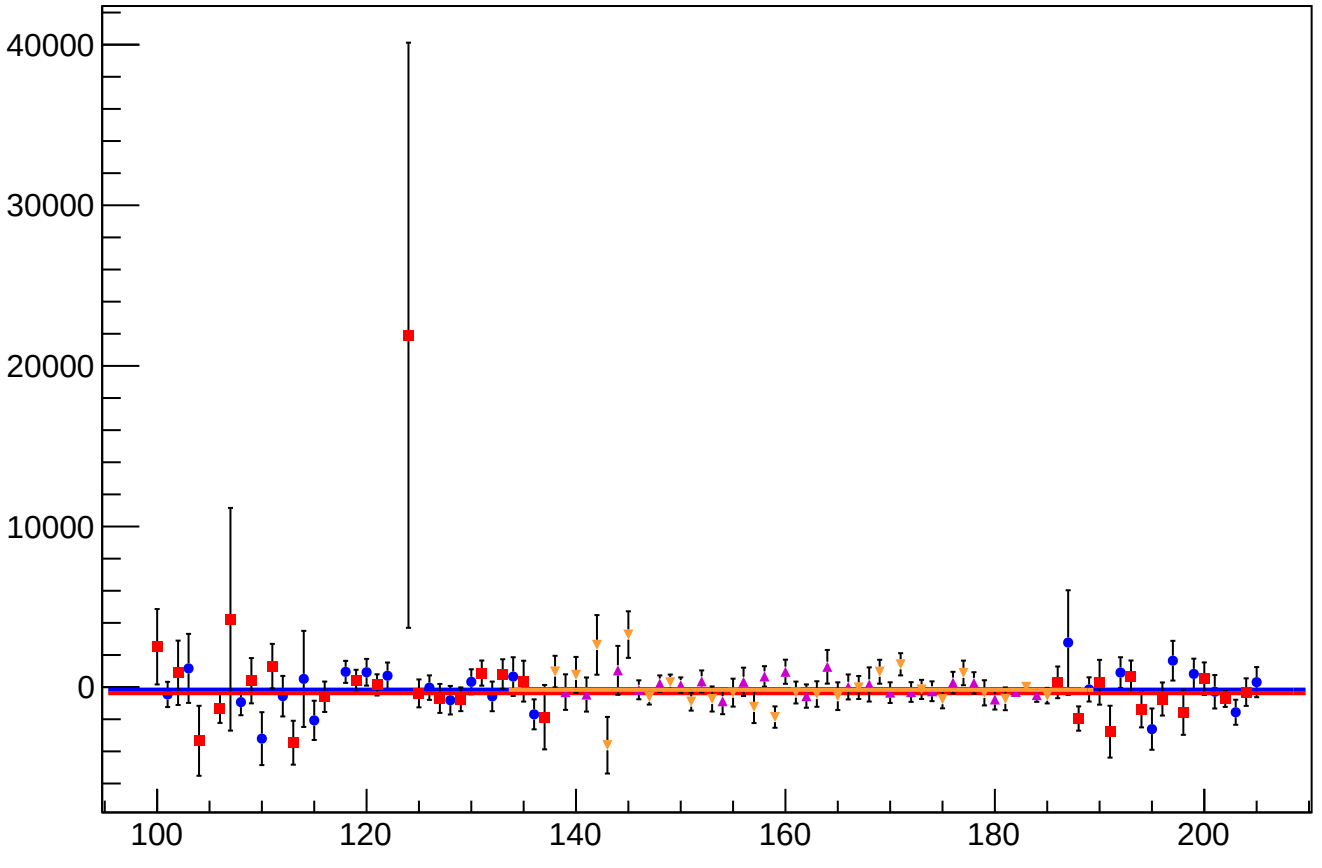
Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

Right: 1906.062+/-0.252 χ^2/NDF: 1361100.7/54

In: 1848.956+/-0.231 χ^2/NDF:706250.4/47

Out: 1833.543+/-0.222 χ^2/NDF:938072.9/54

All: 1840.950+/-0.160 χ^2/NDF: 1646640.1/10



Right In: -153.083+/-193.024 χ^2/NDF: 29.6/24

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: -379.150+/-181.735 χ^2/NDF: 32.2/29

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

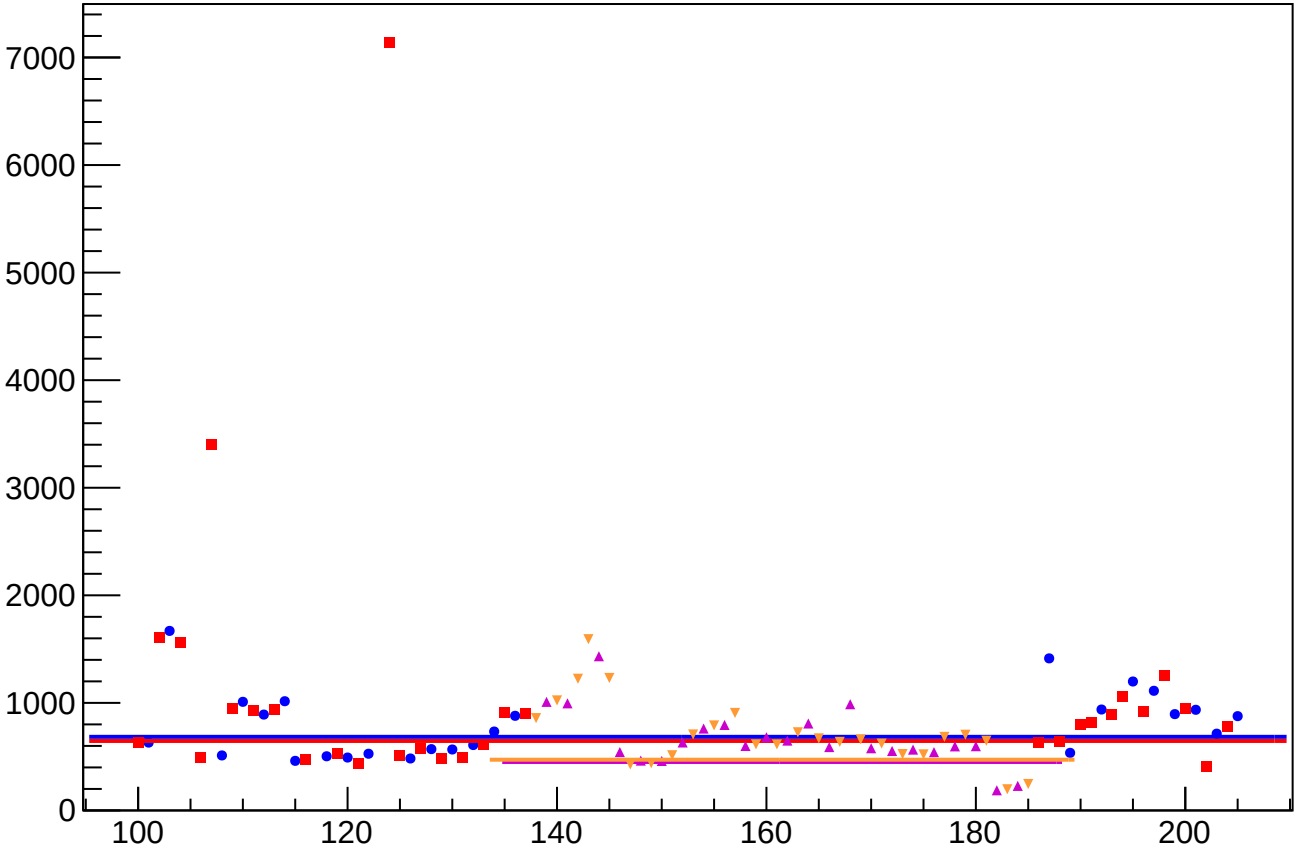
Right: -272.920+/-132.317 χ^2/NDF: 62.6/54

In: -127.183+/-101.771 χ^2/NDF:42.0/47

Out: -233.256+/-101.080 χ^2/NDF:71.5/54

All: -180.581+/-71.717 χ^2/NDF: 114.0/102

asym_at1_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 684.480+/-0.136 χ^2/NDF: 2566684.4/24

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 646.092+/-0.129 χ^2/NDF: 4045268.4/29

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

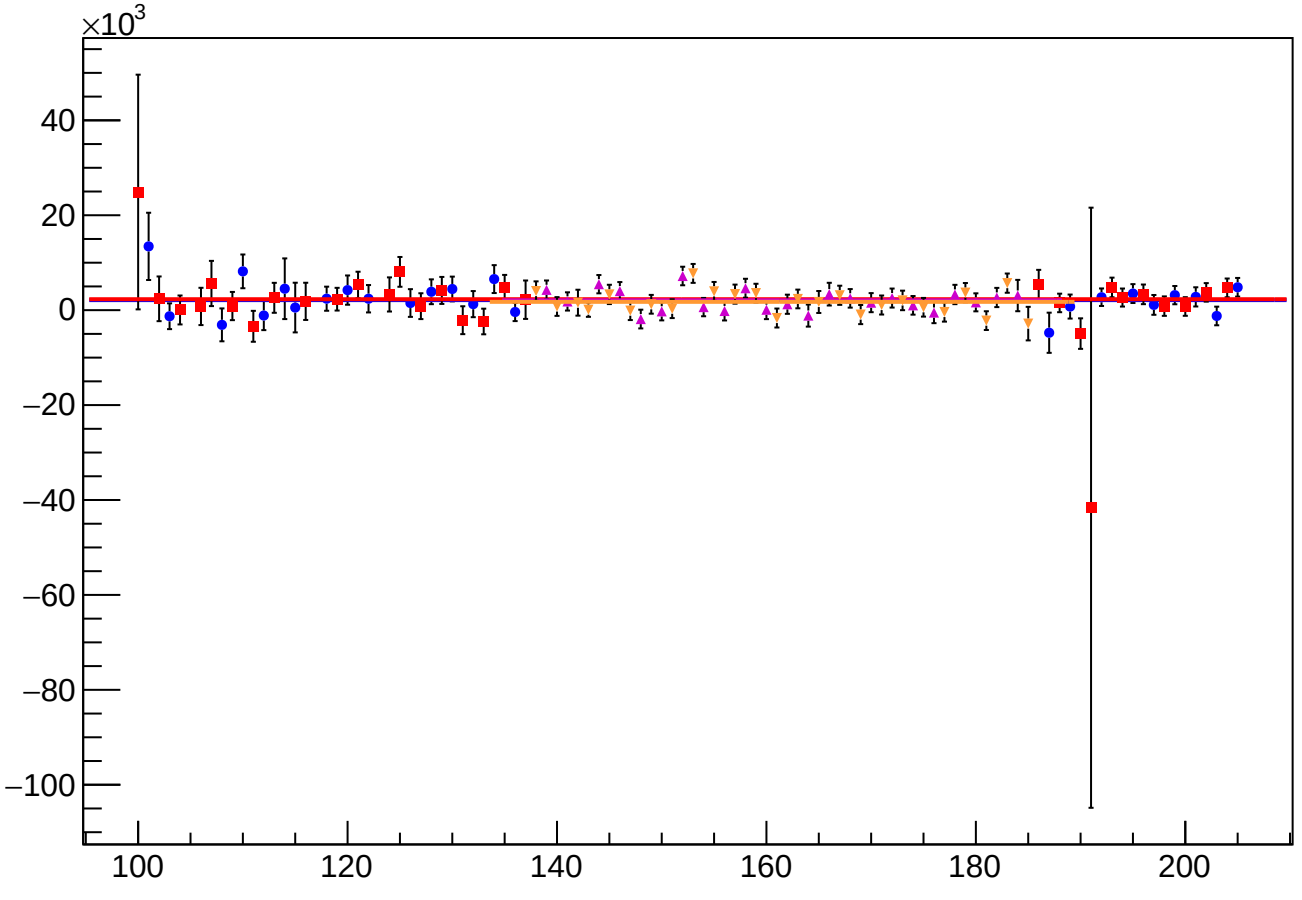
Left: 461.052+/-0.060 χ^2/NDF: 16071629.8/47

Right: 664.131+/-0.094 χ^2/NDF: 6653884.5/54

In: 515.654+/-0.072 χ^2/NDF:12614080.4/47

Out: 525.701+/-0.071 χ^2/NDF:13428750.7/54

All: 520.712+/-0.051 χ^2/NDF: 26052644.8/10



Right In: 2118.737+/-511.846 χ^2/NDF: 25.5/24

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: 2305.896+/-496.142 χ^2/NDF: 28.4/29

Left In: 2073.441+/-423.648 χ^2/NDF:27.0/22

Left: 1907.473+/-292.900 χ^2/NDF: 61.1/47

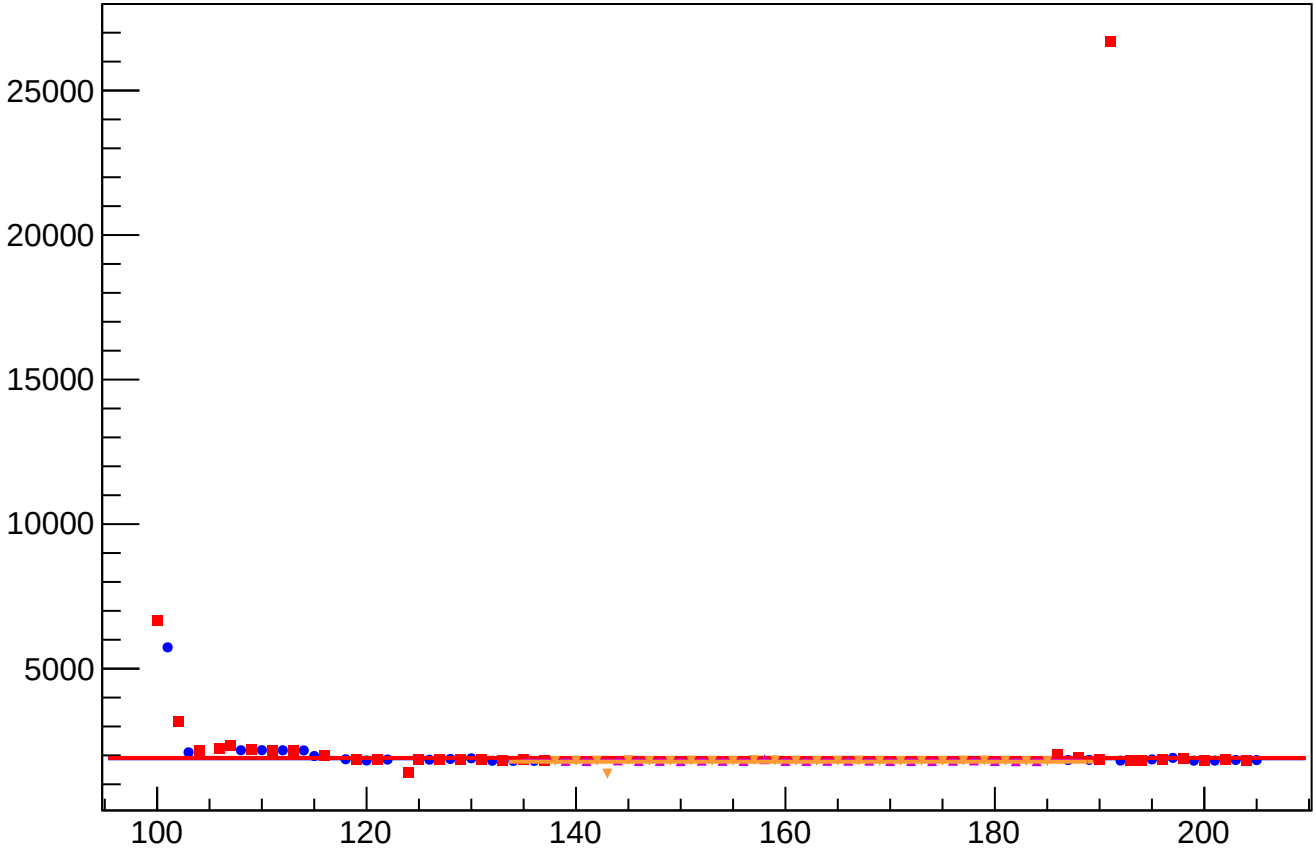
Right: 2215.232+/-356.248 χ^2/NDF: 53.9/54

In: 2091.856+/-326.360 χ^2/NDF:52.5/47

Out: 1975.852+/-313.928 χ^2/NDF:62.9/54

All: 2031.603+/-226.248 χ^2/NDF: 115.5/102

eigen_dit_asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 1899.347+/-0.362 χ^2/NDF: 671490.2/24

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1912.370+/-0.351 χ^2/NDF: 688941.3/29

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

Left: 1796.936+/-0.207 χ^2/NDF: 173567.7/47

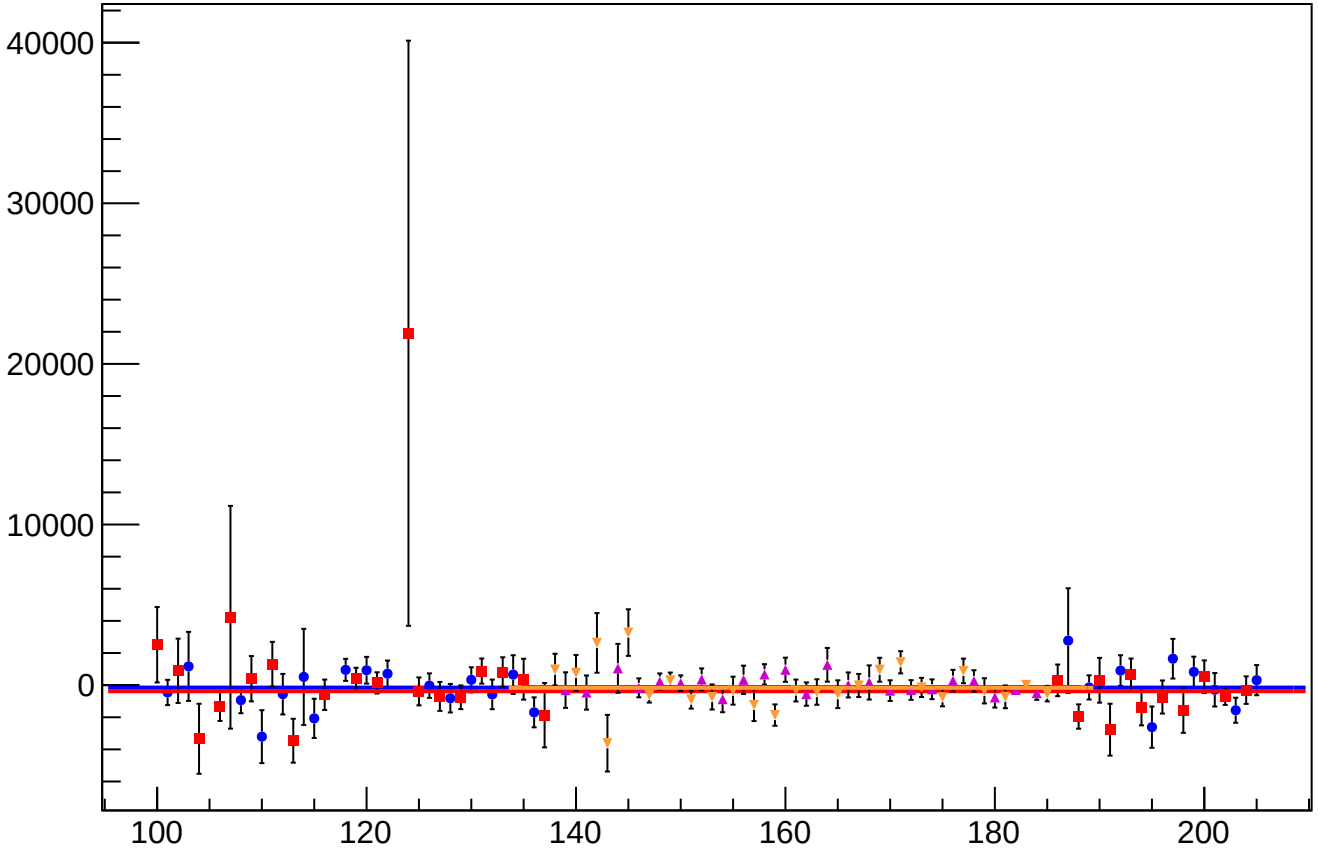
Right: 1906.062+/-0.252 χ^2/NDF: 1361098.9/54

In: 1848.956+/-0.231 χ^2/NDF:706249.9/47

Out: 1833.543+/-0.222 χ^2/NDF:938071.3/54

All: 1840.950+/-0.160 χ^2/NDF: 1646638.1/10

asym_at1_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -153.083+/-193.024 χ^2/NDF: 29.6/24

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: -379.149+/-181.735 χ^2/NDF: 32.2/29

Left In: -117.211+/-119.772 χ^2/NDF:12.3/22

Left: -142.170+/-85.340 χ^2/NDF: 50.7/47

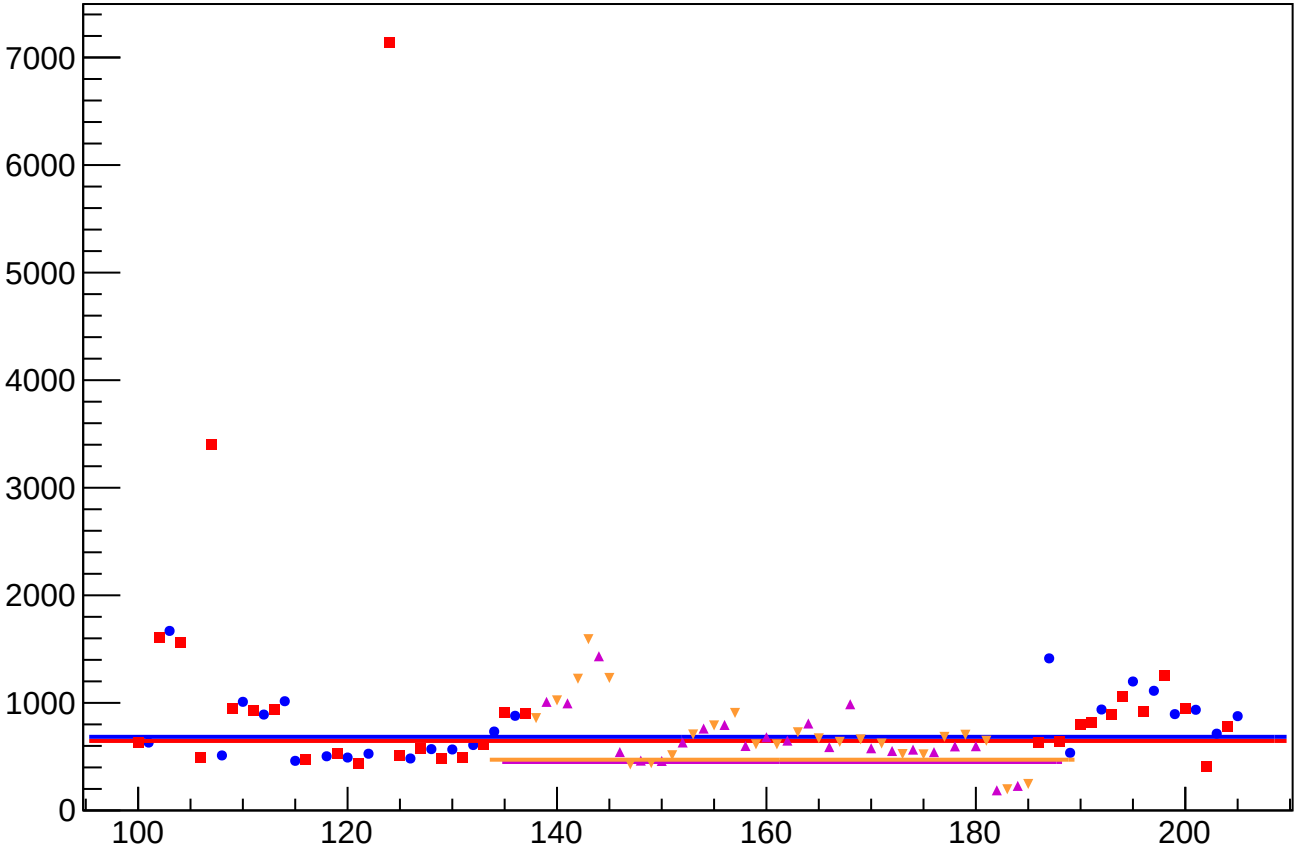
Right: -272.920+/-132.317 χ^2/NDF: 62.6/54

In: -127.183+/-101.772 χ^2/NDF:42.0/47

Out: -233.257+/-101.080 χ^2/NDF:71.5/54

All: -180.582+/-71.718 χ^2/NDF: 114.0/102

asym_at1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 684.479+/-0.136 χ^2/NDF: 2566703.9/24

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 646.092+/-0.129 χ^2/NDF: 4045275.3/29

Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

Left: 461.053+/-0.060 χ^2/NDF: 16071613.1/47

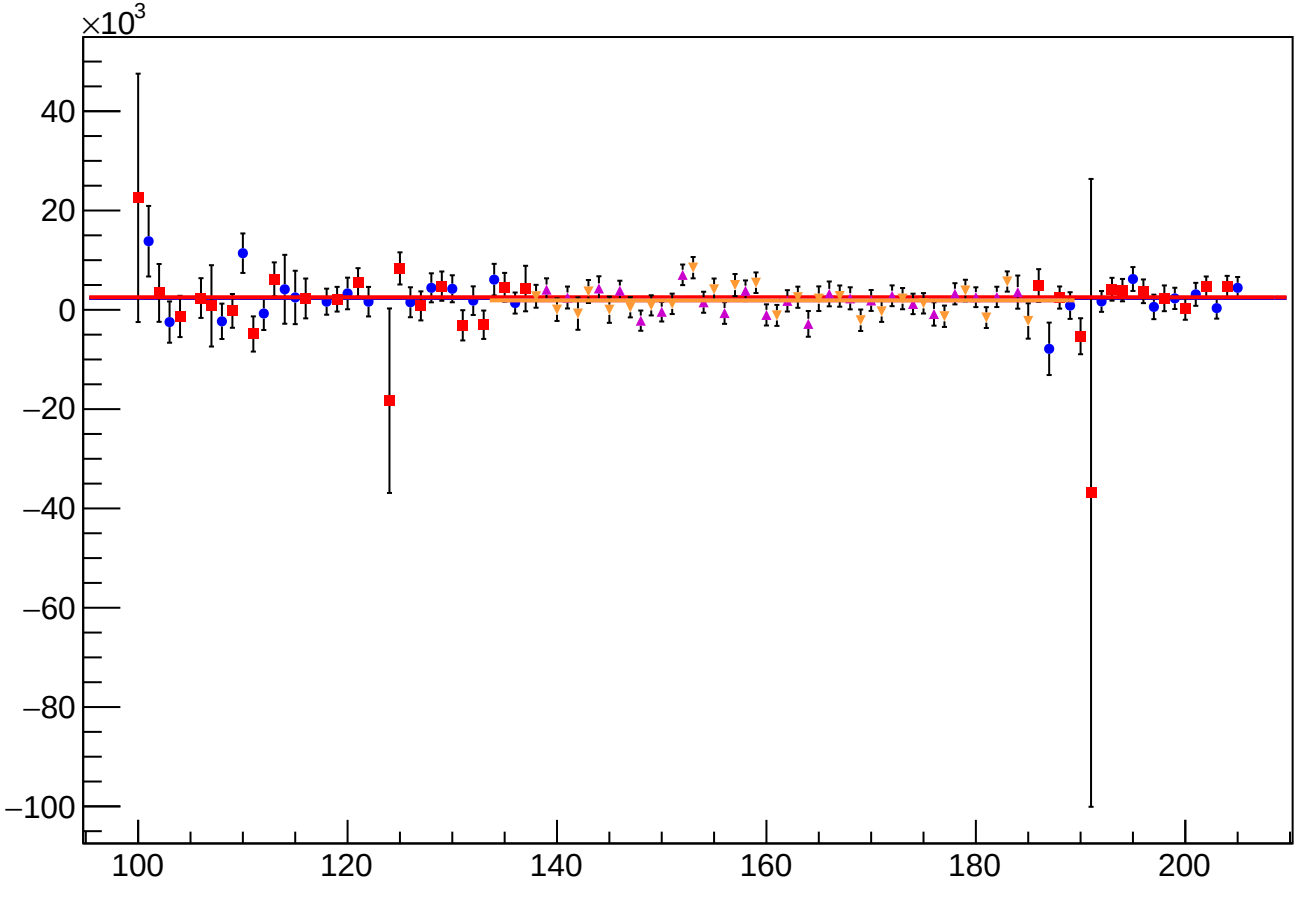
Right: 664.131+/-0.094 χ^2/NDF: 6653909.7/54

In: 515.655+/-0.072 χ^2/NDF:12614057.8/47

Out: 525.702+/-0.071 χ^2/NDF:13428746.4/54

All: 520.713+/-0.051 χ^2/NDF: 26052617.7/10

asym_at1_avg_mean vs Slug, Sign Corrected



Right In: 2382.552+/-567.631 χ^2/NDF: 23.8/24

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: 2528.631+/-558.055 χ^2/NDF: 31.8/29

Left In: 1926.570+/-454.880 χ^2/NDF:24.8/22

Left: 1916.727+/-317.557 χ^2/NDF: 61.0/47

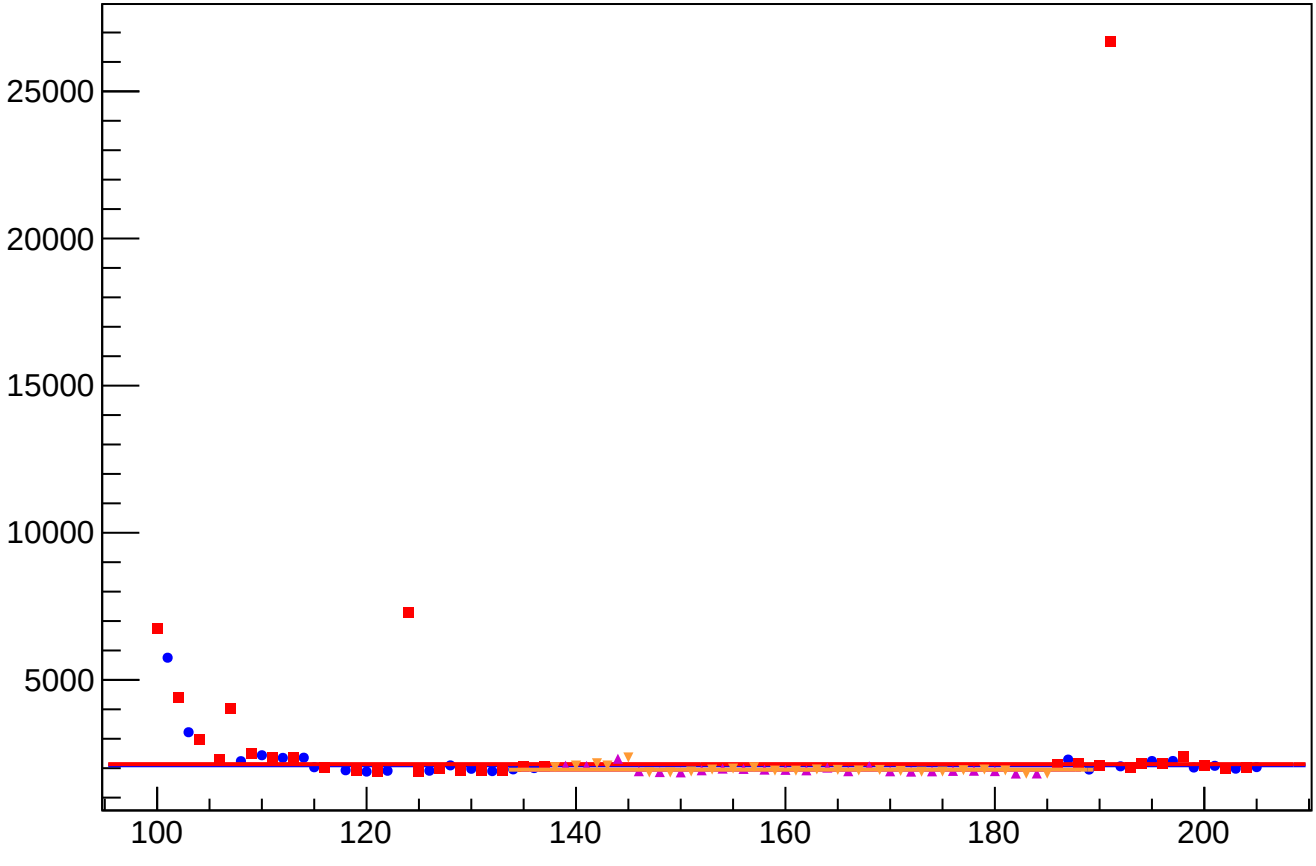
Right: 2456.834+/-397.947 χ^2/NDF: 55.7/54

In: 2104.884+/-354.965 χ^2/NDF:49.0/47

Out: 2147.874+/-347.218 χ^2/NDF:68.9/54

All: 2126.853+/-248.214 χ^2/NDF: 117.9/102

asym_at1_avg_rms vs Slug, Sign Corrected



Right In: 2099.562+/-0.401 χ^2/NDF: 795039.2/24

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2138.162+/-0.395 χ^2/NDF: 1174365.2/29

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

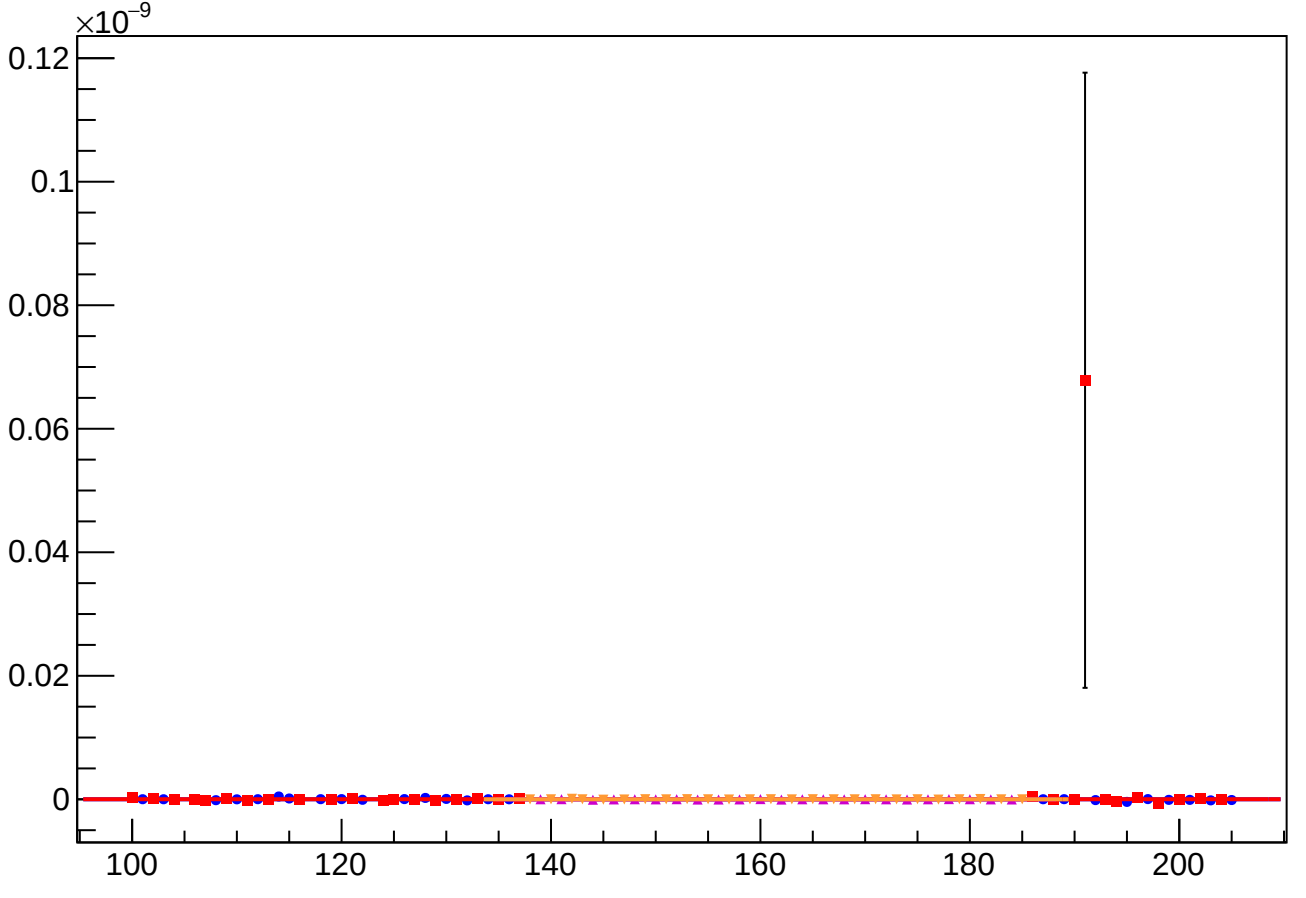
Left: 1947.116+/-0.225 χ^2/NDF: 204552.7/47

Right: 2119.191+/-0.281 χ^2/NDF: 1974107.3/54

In: 2005.523+/-0.251 χ^2/NDF:981138.4/47

Out: 2022.230+/-0.246 χ^2/NDF:1423724.8/54

All: 2014.061+/-0.176 χ^2/NDF: 2407127.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/29

Left In: -0.000+/-0.000 χ^2/NDF:31.1/22

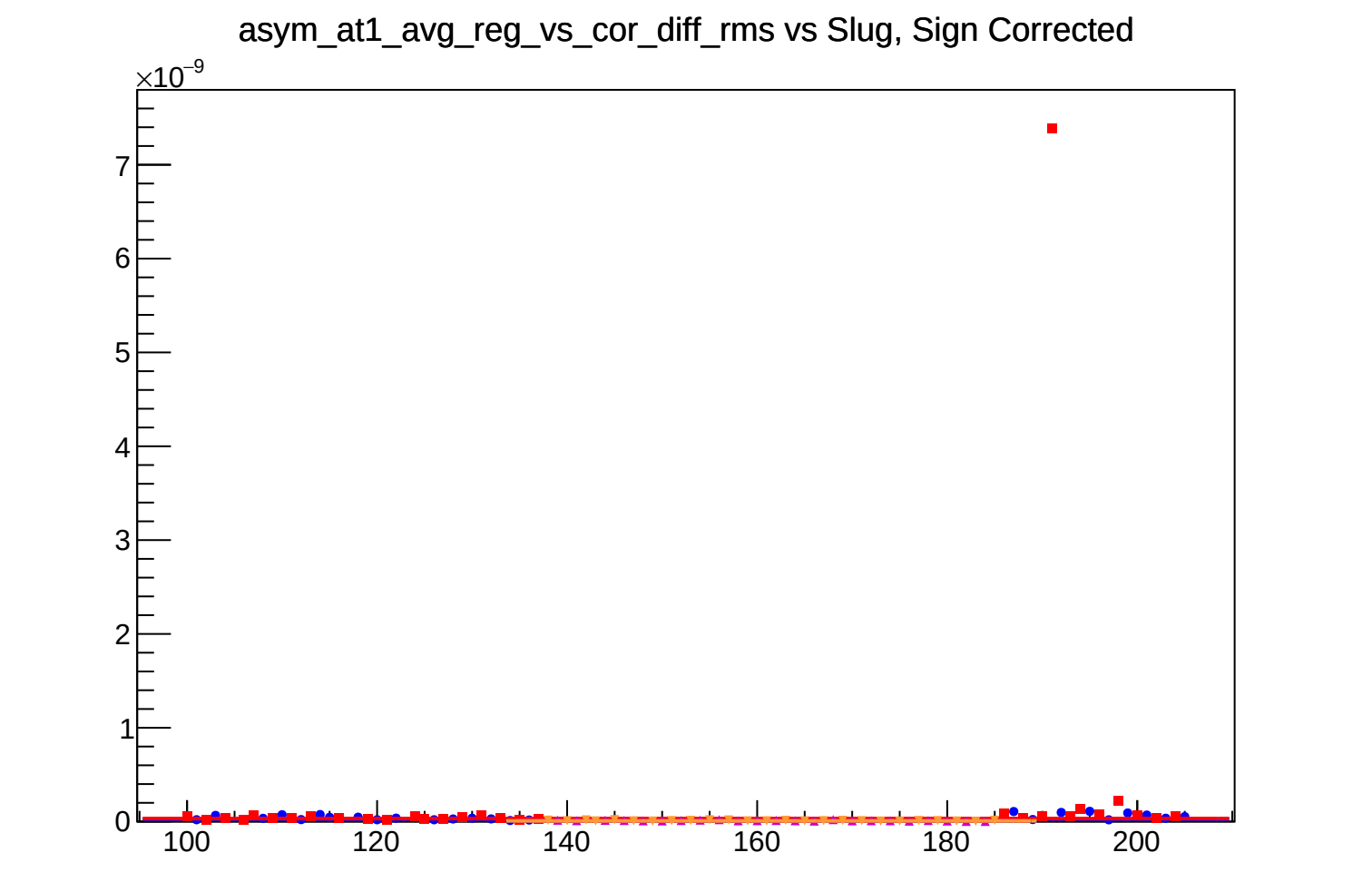
Left: -0.000+/-0.000 χ^2/NDF: 60.4/47

Right: 0.000+/-0.000 χ^2/NDF: 60.7/54

In: -0.000+/-0.000 χ^2/NDF:61.4/47

Out: 0.000+/-0.000 χ^2/NDF:59.5/54

All: -0.000+/-0.000 χ^2/NDF: 121.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 2965245.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 2796229.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

Left: 0.000+/-0.000 χ^2/NDF: 4774854.4/47

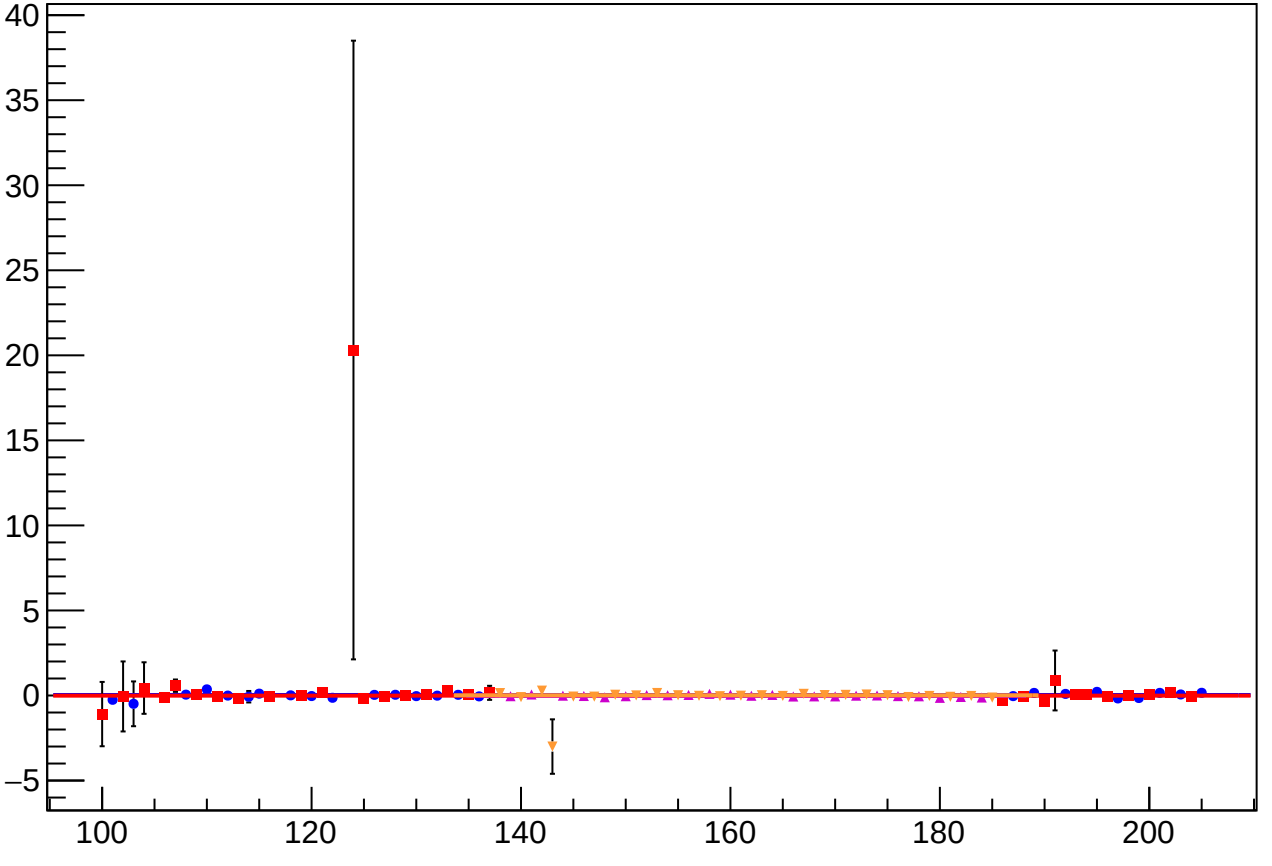
Right: 0.000+/-0.000 χ^2/NDF: 5987972.9/54

In: 0.000+/-0.000 χ^2/NDF:8768604.1/47

Out: 0.000+/-0.000 χ^2/NDF:9357221.8/54

All: 0.000+/-0.000 χ^2/NDF: 18129060.3/102

asym_at1_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

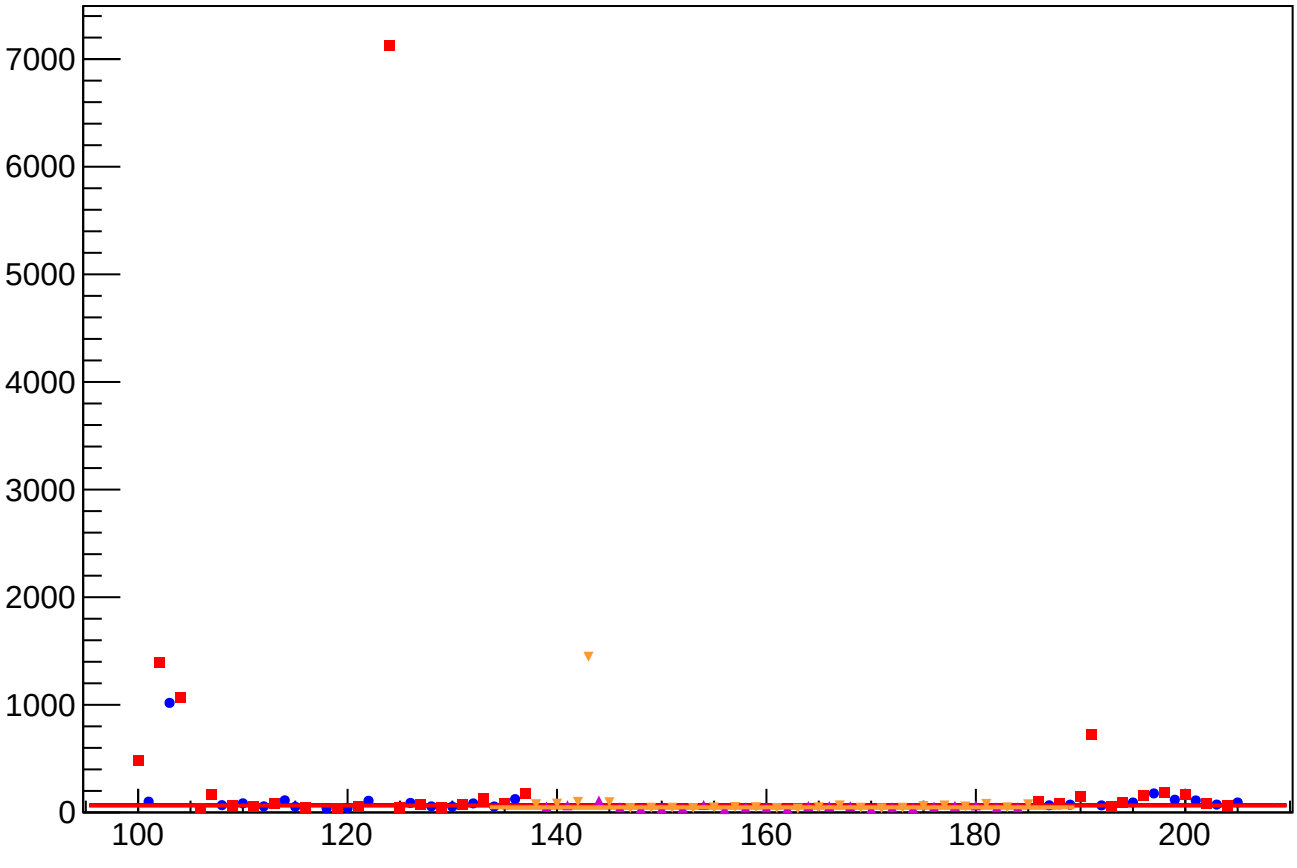
Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

Right: 0.010+/-0.015 χ^2/NDF: 50.4/54

In: -0.007+/-0.011 χ^2/NDF:45.5/47

Out: 0.006+/-0.011 χ^2/NDF:57.6/54

All: -0.000+/-0.008 χ^2/NDF: 103.8/102



Right In: 68.087+/-0.015 χ^2/NDF: 3876237.4/24

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.112+/-0.015 χ^2/NDF: 6174991.4/29

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

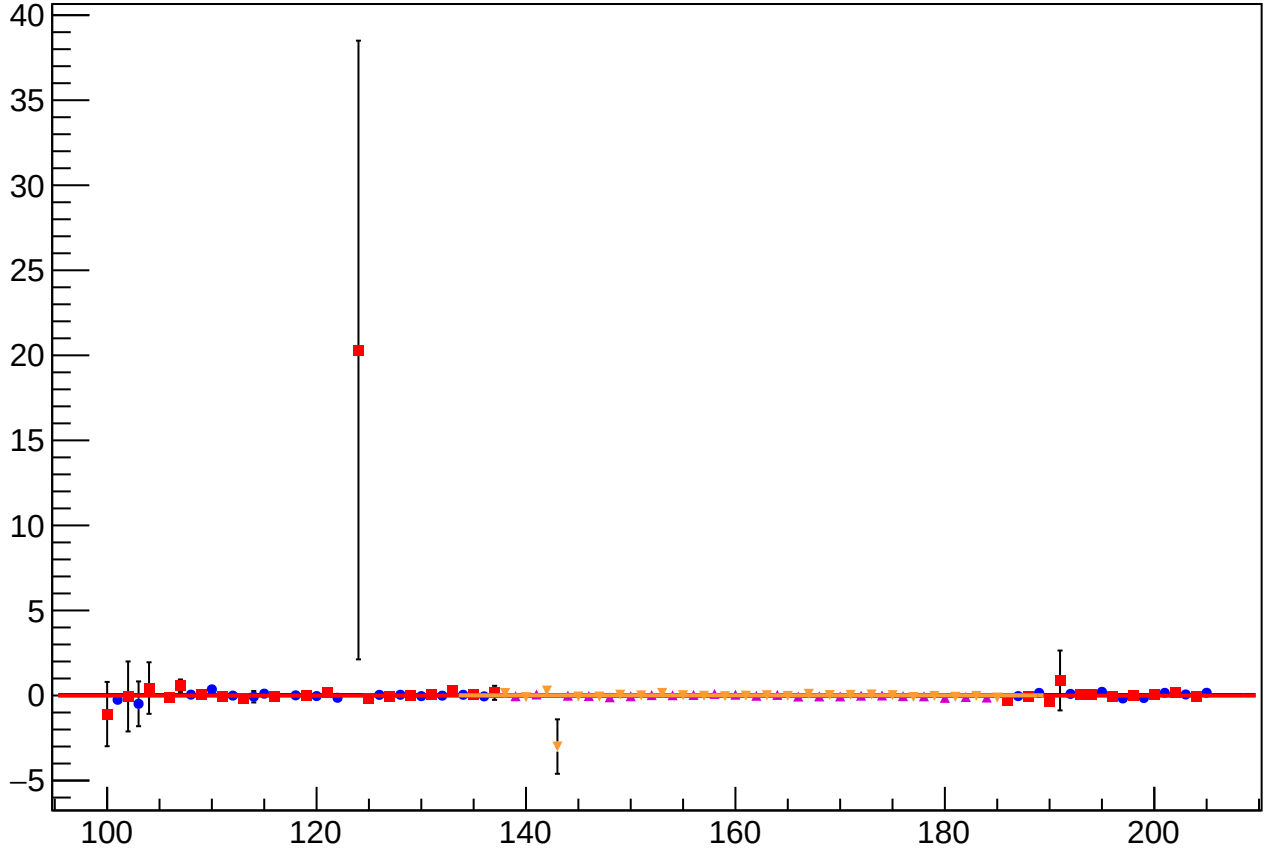
Right: 66.013+/-0.011 χ^2/NDF: 10085751.5/54

In: 51.882+/-0.008 χ^2/NDF:7271515.2/47

Out: 52.135+/-0.008 χ^2/NDF:10558275.1/54

All: 52.008+/-0.005 χ^2/NDF: 17830349.5/102

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

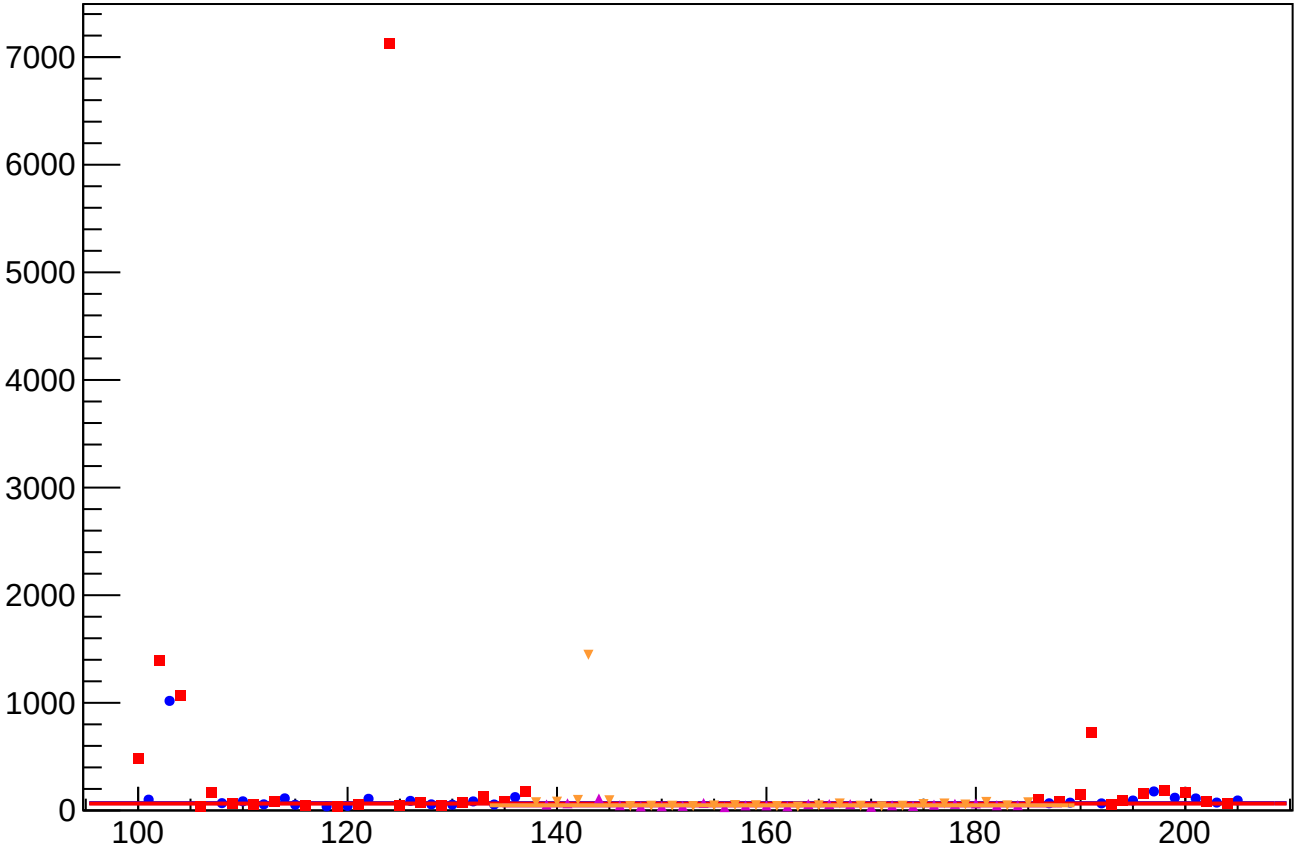
Right: 0.010+/-0.015 χ^2/NDF: 50.4/54

In: -0.007+/-0.011 χ^2/NDF:45.5/47

Out: 0.006+/-0.011 χ^2/NDF:57.6/54

All: -0.000+/-0.008 χ^2/NDF: 103.8/102

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.087+/-0.015 χ^2/NDF: 3876237.4/24

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

Right Out: 64.112+/-0.015 χ^2/NDF: 6174991.4/29

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

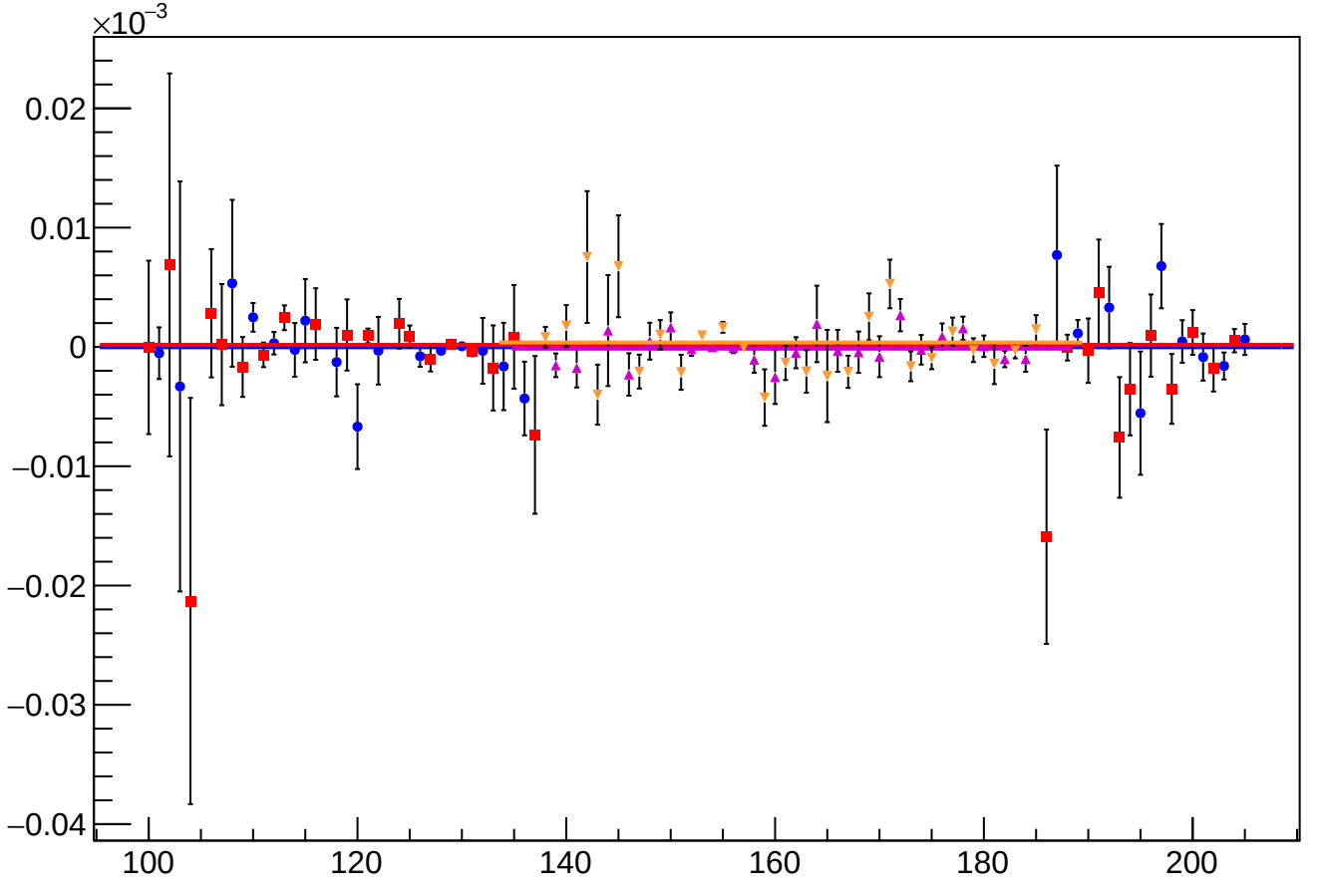
Left: 47.335+/-0.006 χ^2/NDF: 5454241.8/47

Right: 66.013+/-0.011 χ^2/NDF: 10085751.5/54

In: 51.882+/-0.008 χ^2/NDF:7271515.2/47

Out: 52.135+/-0.008 χ^2/NDF:10558275.1/54

All: 52.008+/-0.005 χ^2/NDF: 17830349.5/102



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/29

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

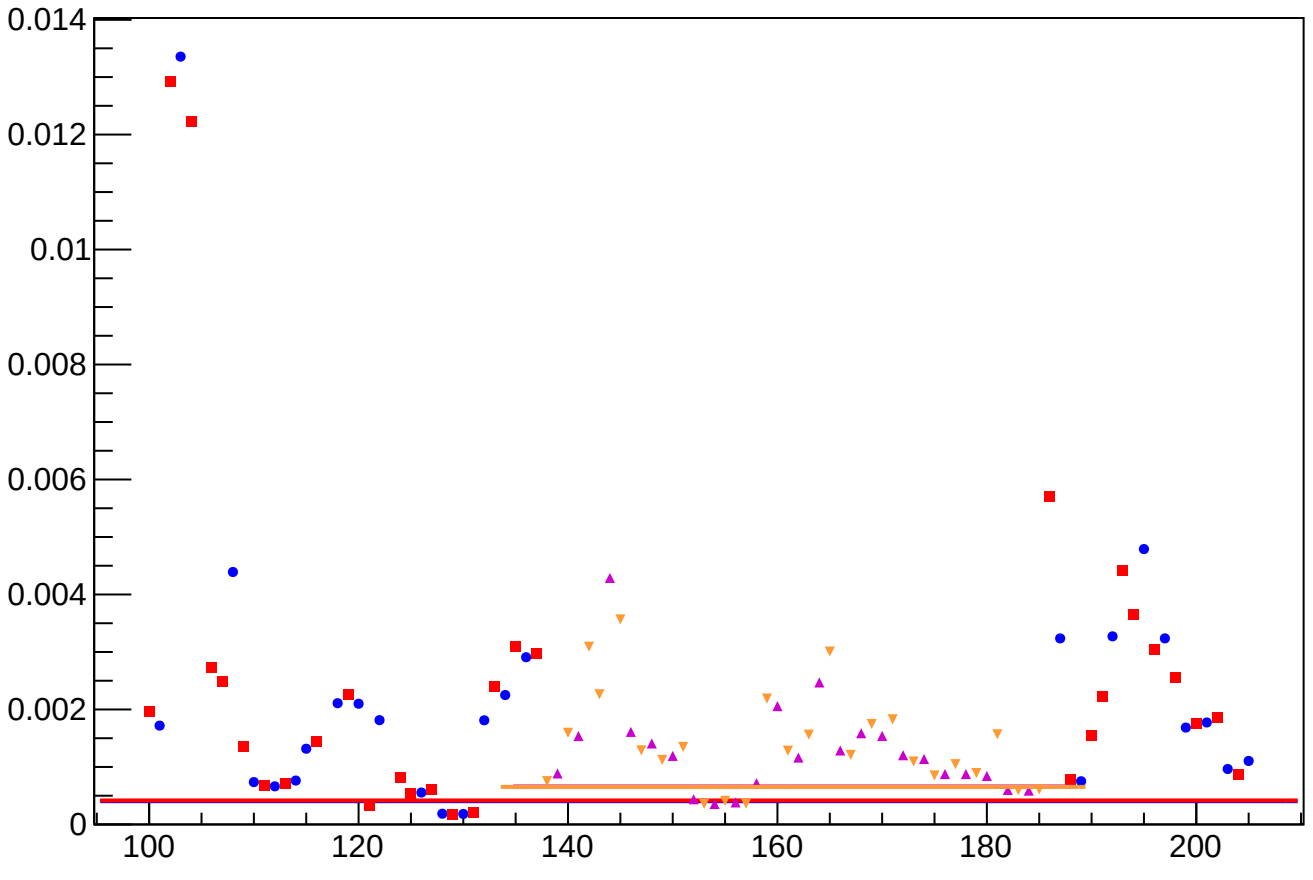
Left: 0.000+/-0.000 χ^2/NDF: 75.6/47

Right: 0.000+/-0.000 χ^2/NDF: 50.0/54

In: -0.000+/-0.000 χ^2/NDF:43.3/47

Out: 0.000+/-0.000 χ^2/NDF:78.6/54

All: 0.000+/-0.000 χ^2/NDF: 125.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 16921722.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17533633.9/29

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

Left: 0.001+/-0.000 χ^2/NDF: 21780521.8/47

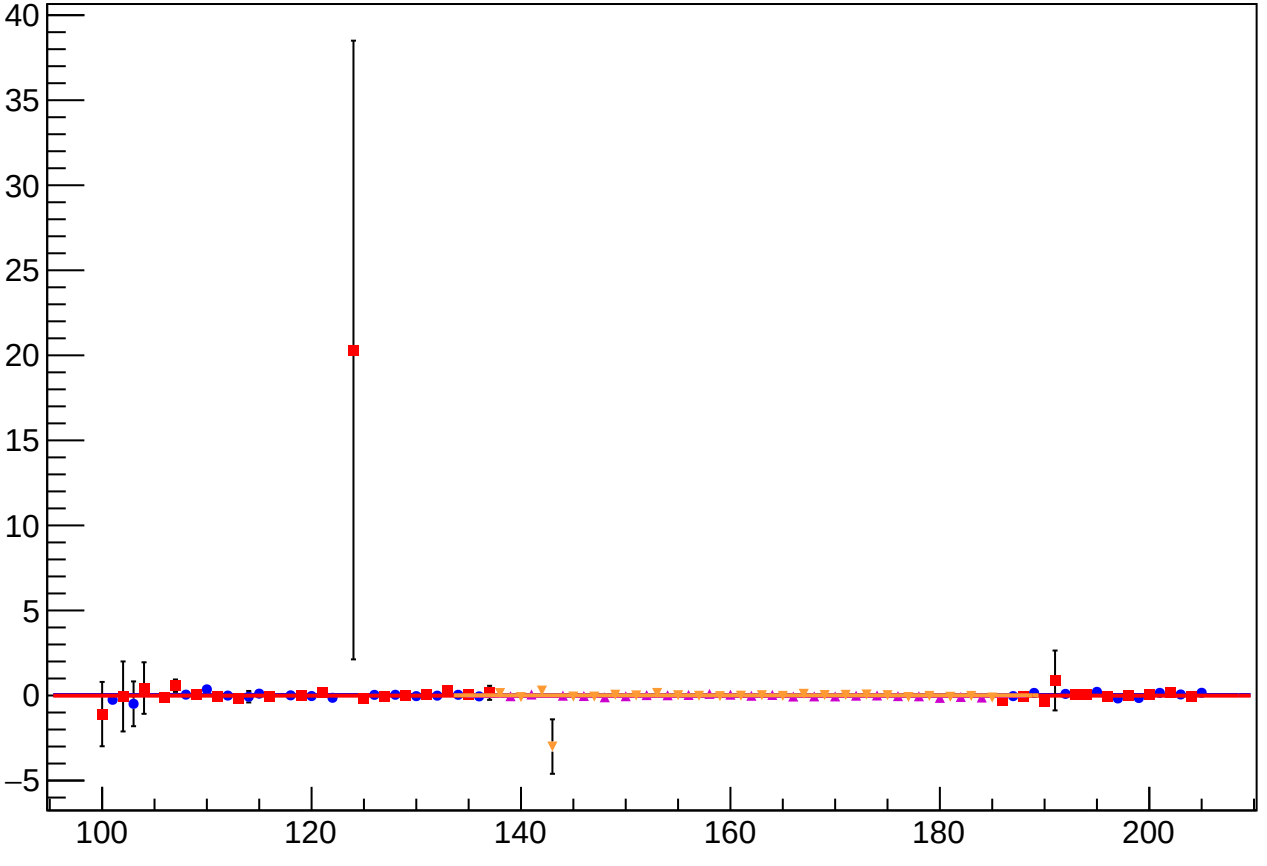
Right: 0.000+/-0.000 χ^2/NDF: 34460315.7/54

In: 0.001+/-0.000 χ^2/NDF:28521840.2/47

Out: 0.001+/-0.000 χ^2/NDF:31290949.7/54

All: 0.001+/-0.000 χ^2/NDF: 59815034.9/102

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

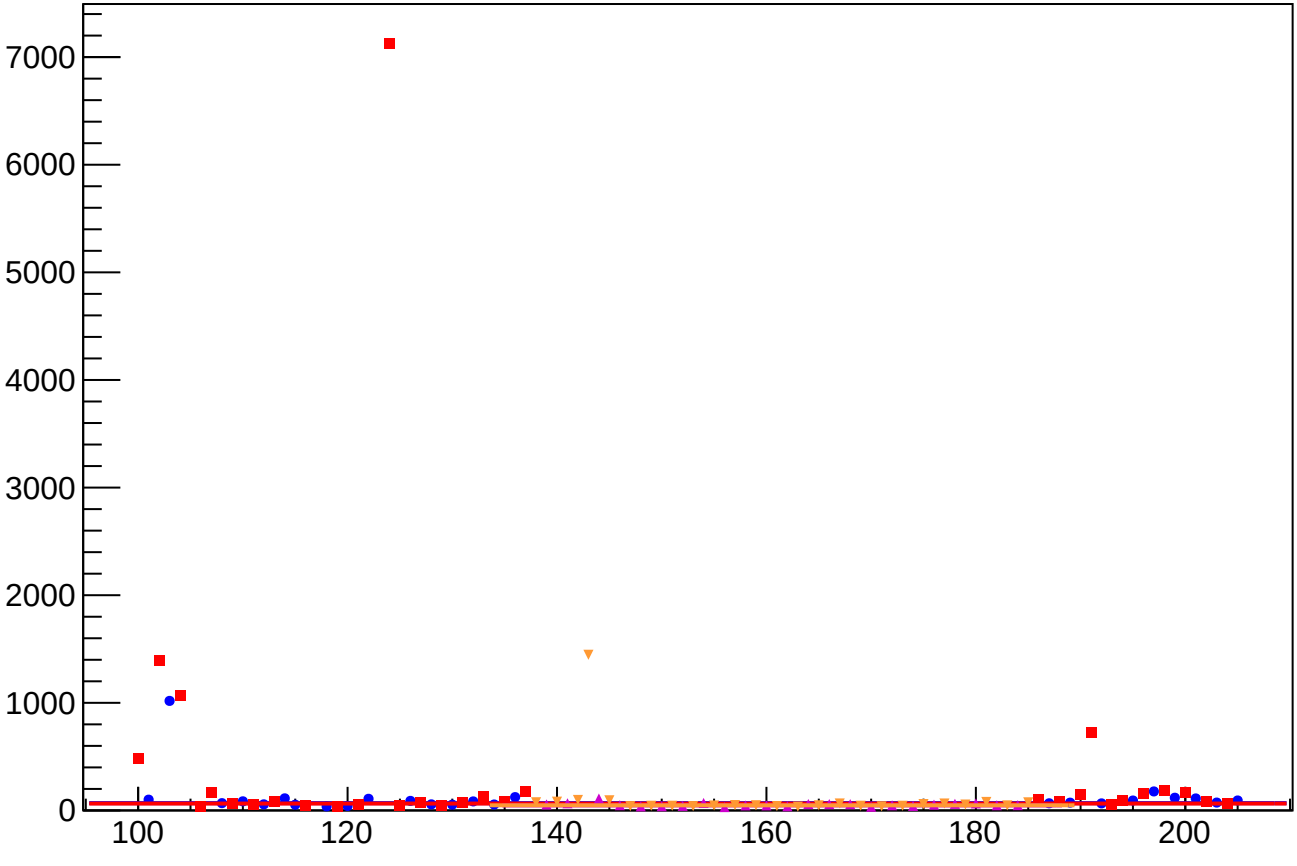
Right: 0.010+/-0.015 χ^2/NDF: 50.4/54

In: -0.007+/-0.011 χ^2/NDF:45.5/47

Out: 0.006+/-0.011 χ^2/NDF:57.6/54

All: -0.000+/-0.008 χ^2/NDF: 103.8/102

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.087+/-0.015 χ^2/NDF: 3876288.5/24

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.111+/-0.015 χ^2/NDF: 6175153.3/29

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

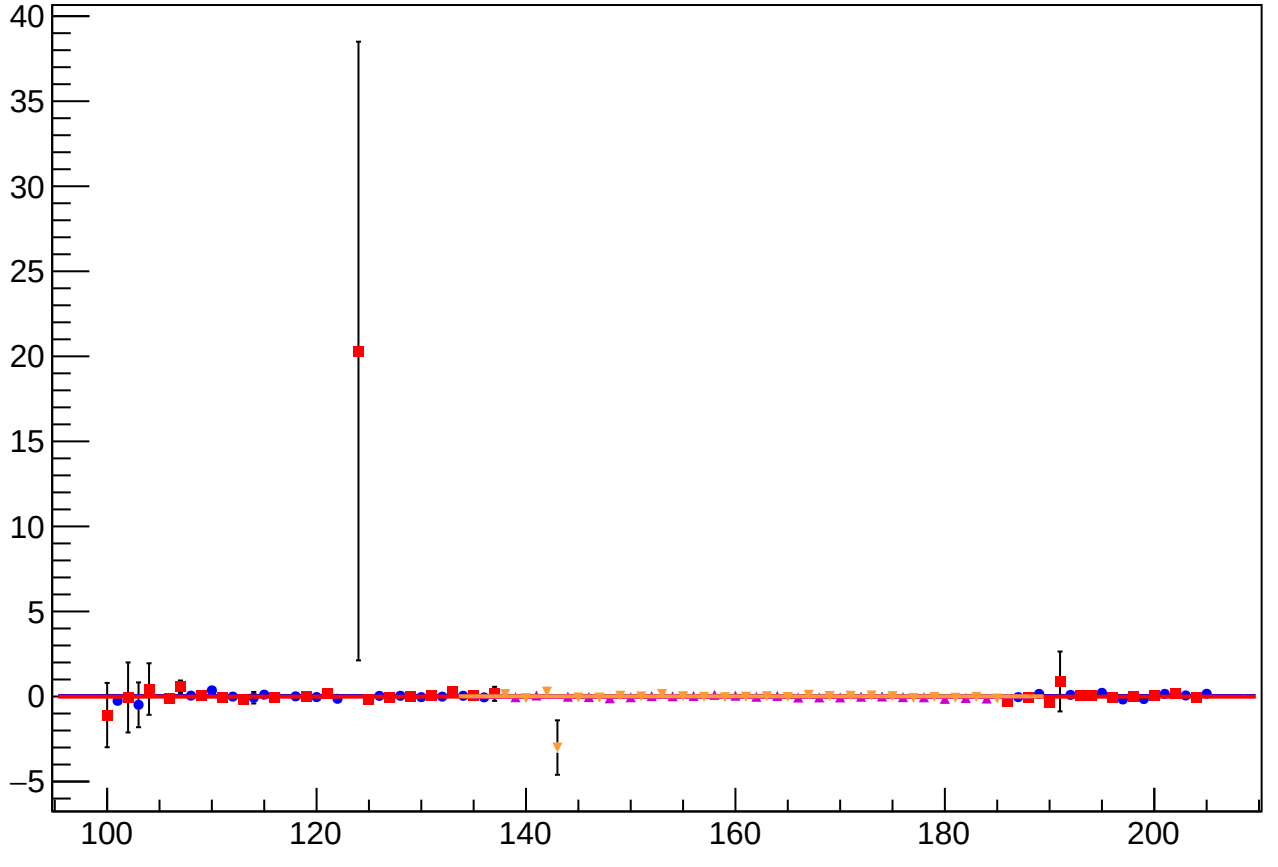
Right: 66.013+/-0.011 χ^2/NDF: 10085981.9/54

In: 51.882+/-0.008 χ^2/NDF:7271562.6/47

Out: 52.135+/-0.008 χ^2/NDF:10558292.9/54

All: 52.008+/-0.005 χ^2/NDF: 17830414.8/102

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: -0.009+/-0.021 χ^2/NDF: 27.3/29

Left In: -0.018+/-0.012 χ^2/NDF:20.3/22

Left: -0.004+/-0.009 χ^2/NDF: 52.8/47

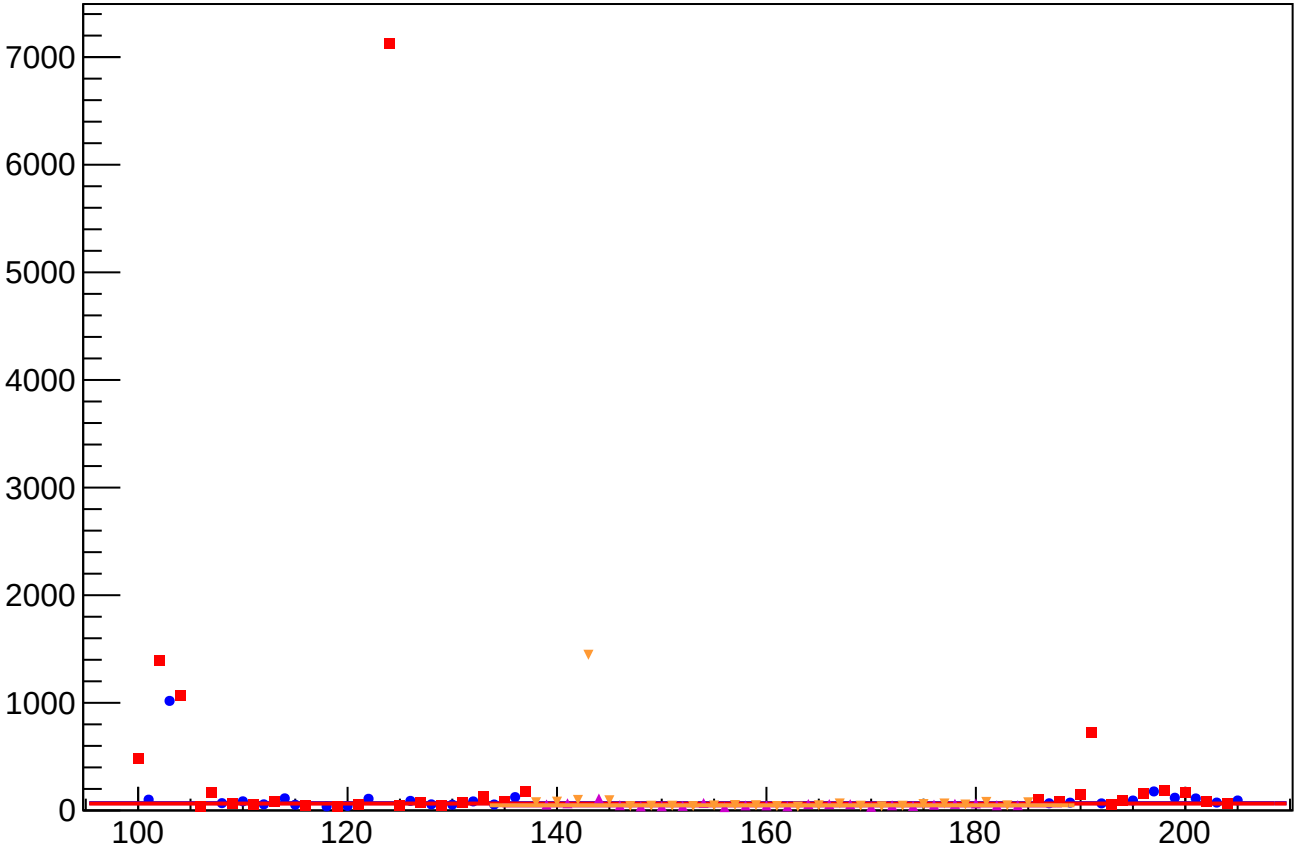
Right: 0.010+/-0.015 χ^2/NDF: 50.4/54

In: -0.007+/-0.011 χ^2/NDF:45.5/47

Out: 0.006+/-0.011 χ^2/NDF:57.6/54

All: -0.000+/-0.008 χ^2/NDF: 103.8/102

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.087+/-0.015 χ^2/NDF: 3876288.5/24

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.111+/-0.015 χ^2/NDF: 6175153.3/29

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

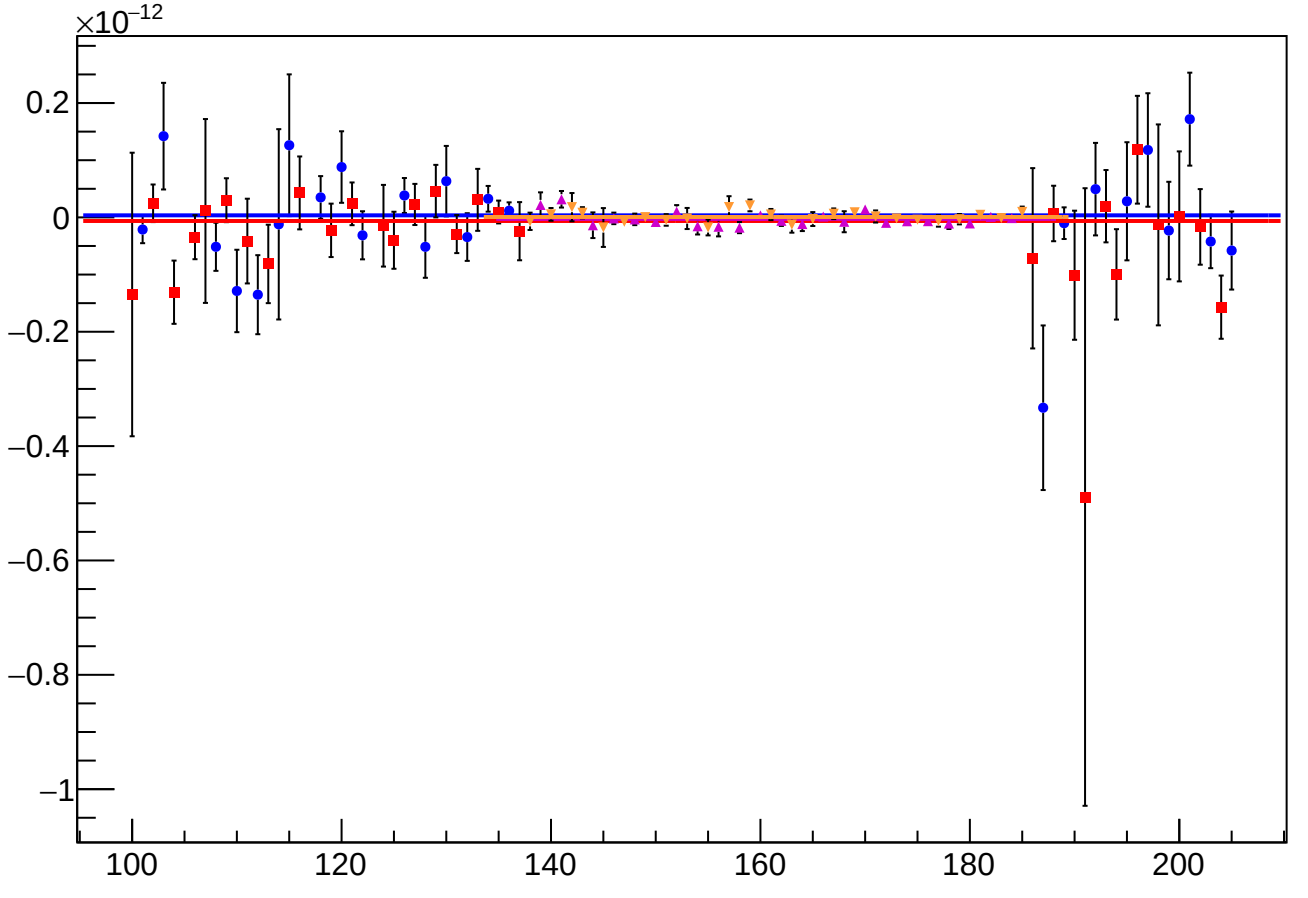
Left: 47.335+/-0.006 χ^2/NDF: 5454214.5/47

Right: 66.013+/-0.011 χ^2/NDF: 10085981.9/54

In: 51.882+/-0.008 χ^2/NDF:7271562.6/47

Out: 52.135+/-0.008 χ^2/NDF:10558292.9/54

All: 52.008+/-0.005 χ^2/NDF: 17830414.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: -0.000+/-0.000 χ^2/NDF:21.8/22

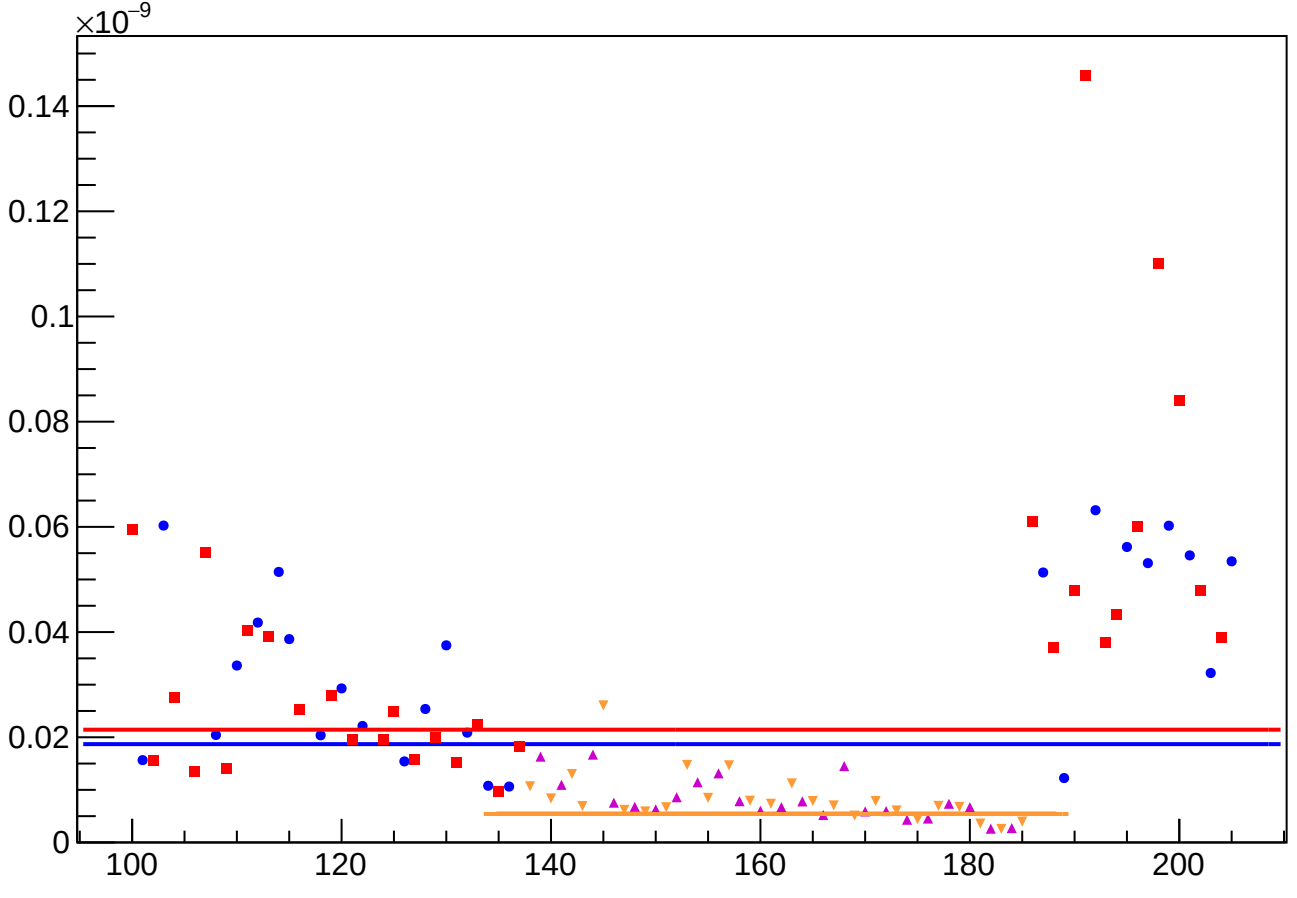
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 64.0/54

In: -0.000+/-0.000 χ^2/NDF:58.6/47

Out: 0.000+/-0.000 χ^2/NDF:42.8/54

All: -0.000+/-0.000 χ^2/NDF: 102.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 4917815.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4347827.6/29

Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

Left: 0.000+/-0.000 χ^2/NDF: 10041467.9/47

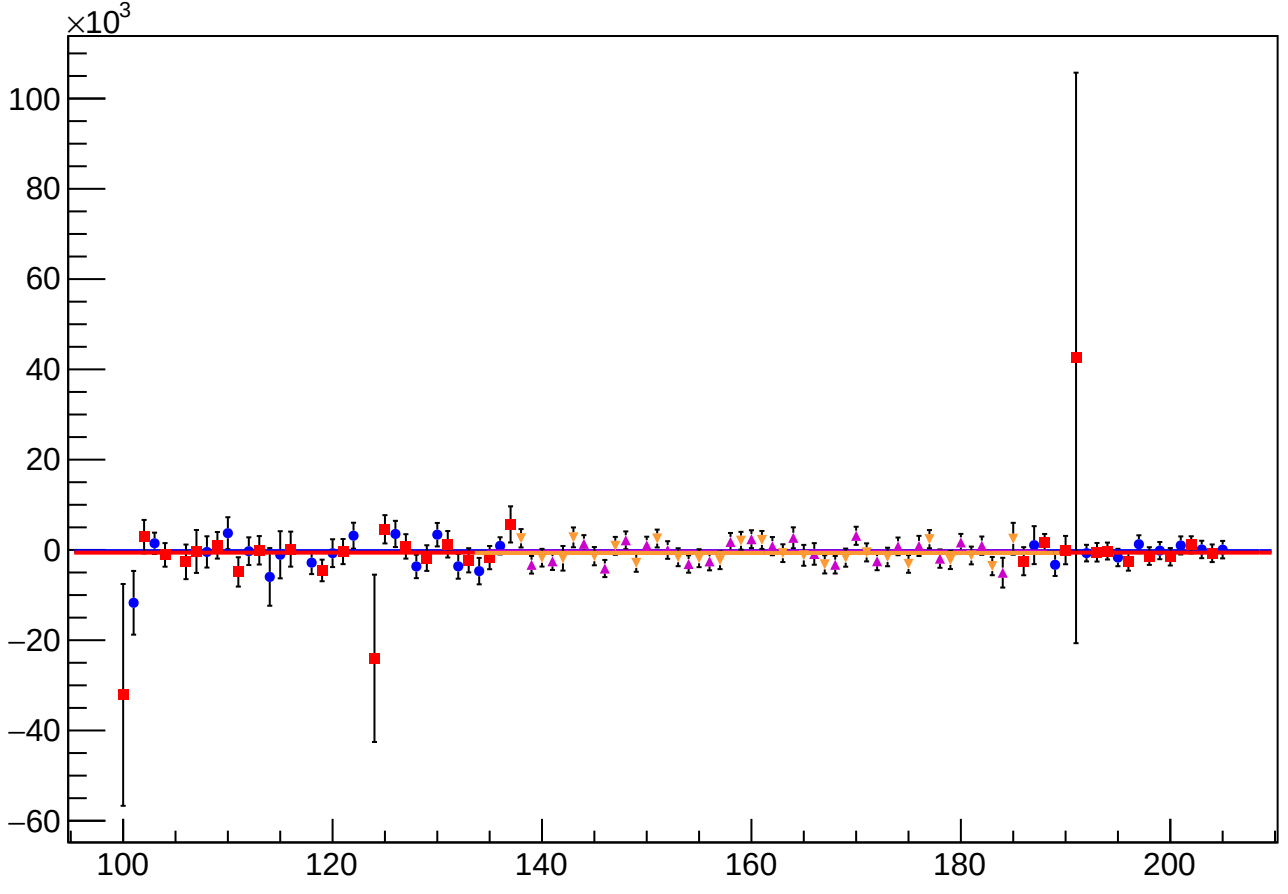
Right: 0.000+/-0.000 χ^2/NDF: 9370267.1/54

In: 0.000+/-0.000 χ^2/NDF:15171076.7/47

Out: 0.000+/-0.000 χ^2/NDF:15540065.1/54

All: 0.000+/-0.000 χ^2/NDF: 30717897.7/102

reg_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -260.375+/-503.142 χ^2/NDF: 20.5/24

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: -600.452+/-490.454 χ^2/NDF: 20.3/29

Left In: -342.945+/-422.712 χ^2/NDF:30.1/22

Left: -510.608+/-295.118 χ^2/NDF: 55.1/47

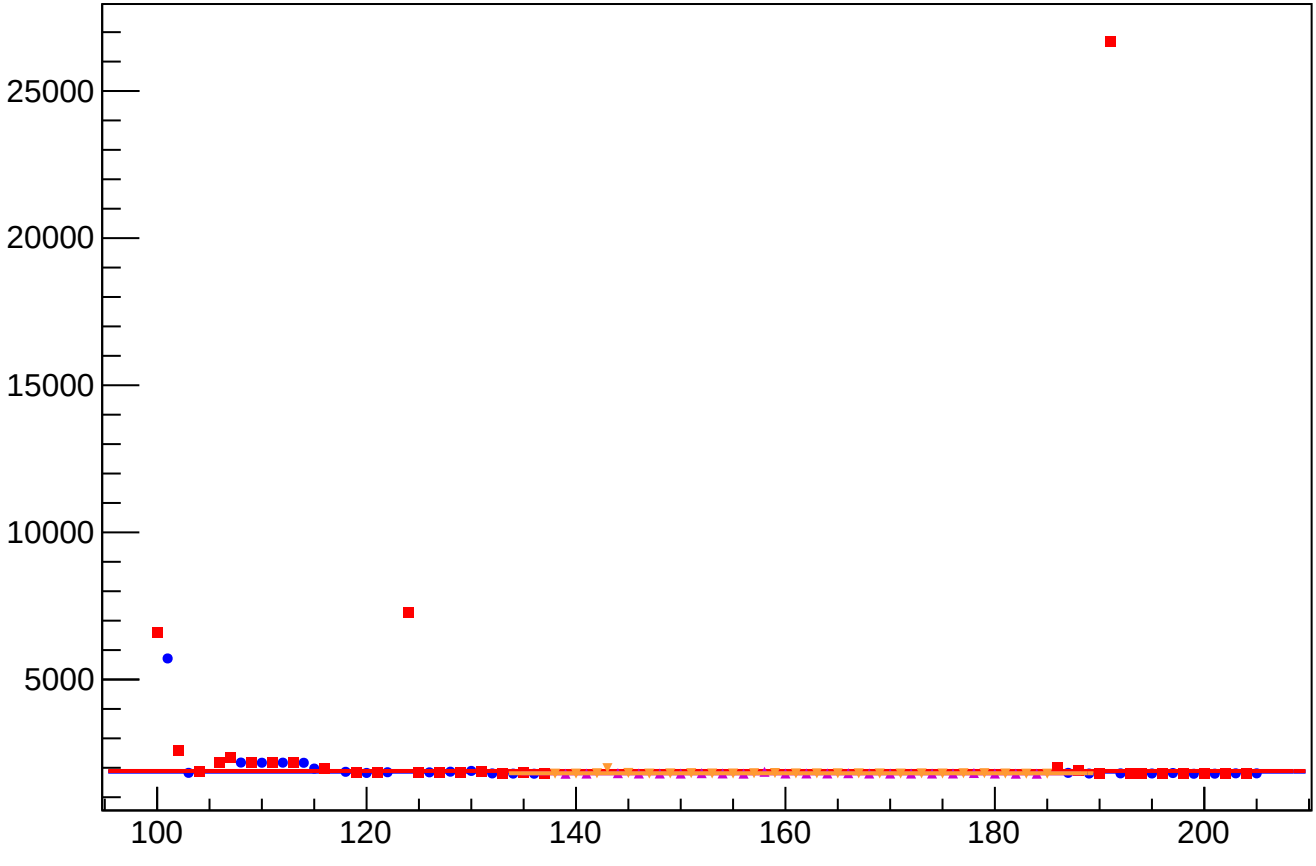
Right: -434.756+/-351.203 χ^2/NDF: 41.0/54

In: -308.780+/-323.650 χ^2/NDF:50.6/47

Out: -641.234+/-315.557 χ^2/NDF:45.0/54

All: -479.215+/-225.939 χ^2/NDF: 96.2/102

reg_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.5/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1891.586+/-0.347 χ^2/NDF: 741804.1/29

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

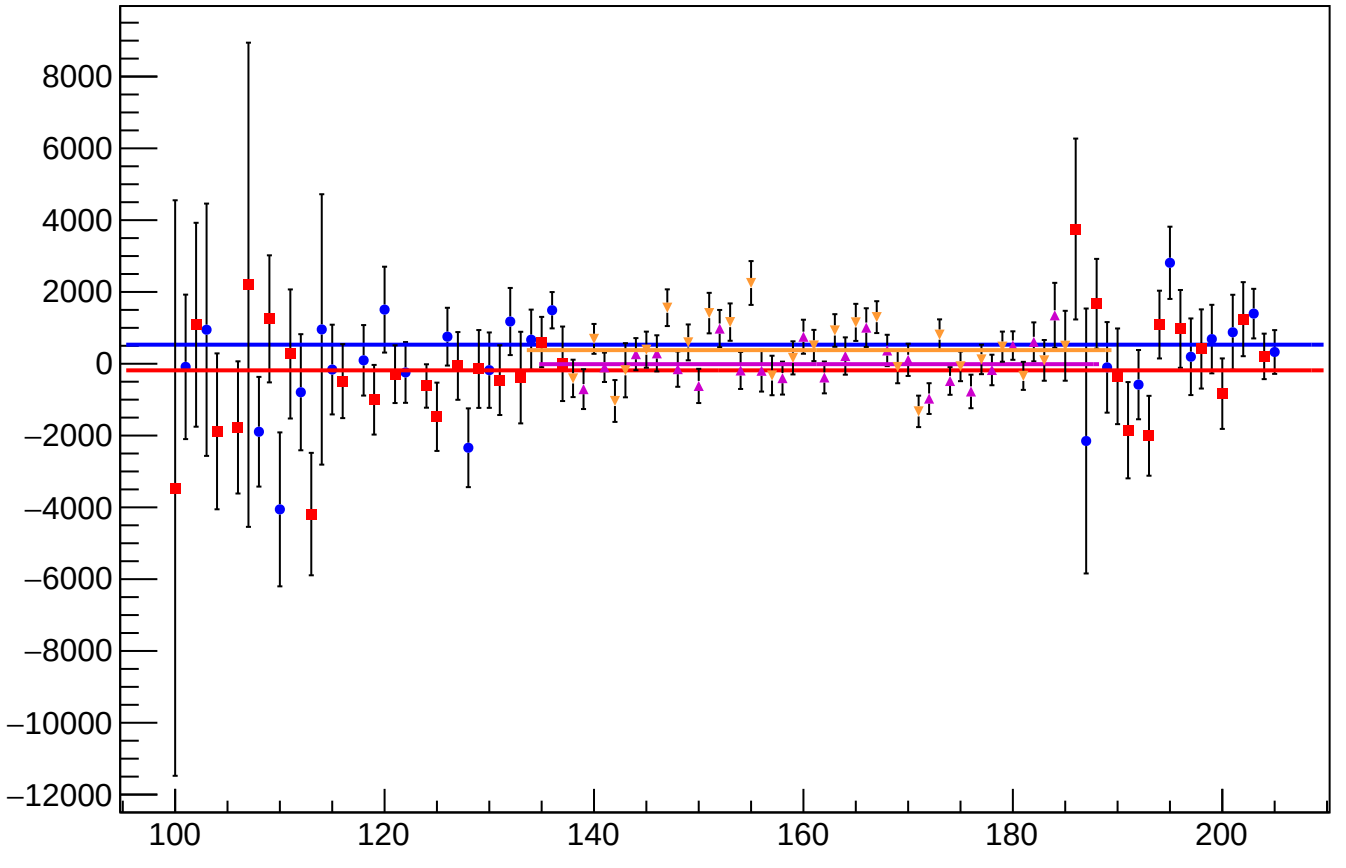
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1879.787+/-0.248 χ^2/NDF: 1415464.6/54

In: 1834.006+/-0.229 χ^2/NDF:688252.1/47

Out: 1846.372+/-0.223 χ^2/NDF:783909.9/54

All: 1840.346+/-0.160 χ^2/NDF: 1473658.9/10



Right In: 531.212+/-198.407 χ^2/NDF: 30.5/24

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: -183.758+/-197.511 χ^2/NDF: 27.5/29

Left In: -11.527+/-98.976 χ^2/NDF:31.1/22

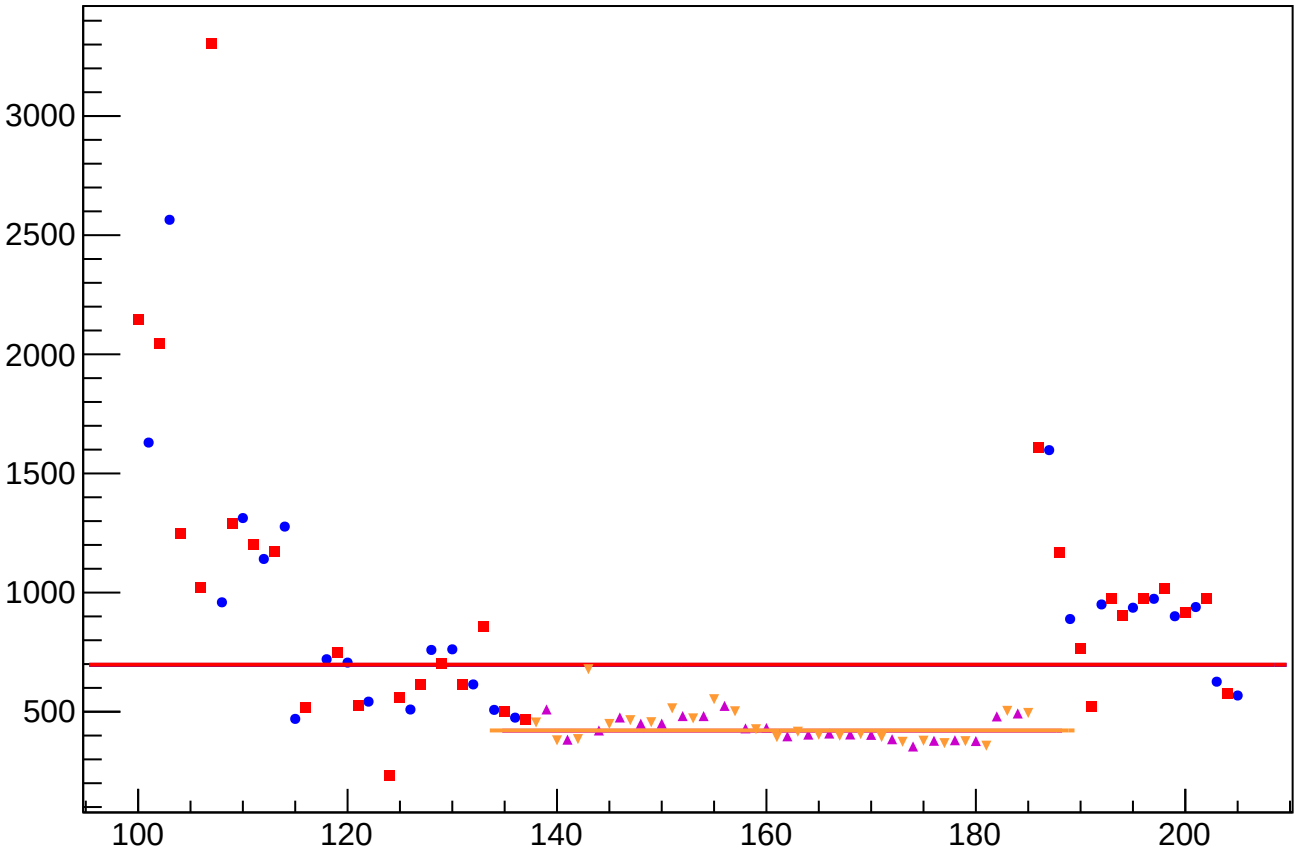
Left: 187.827+/-69.282 χ^2/NDF: 101.4/47

Right: 172.108+/-139.977 χ^2/NDF: 64.6/54

In: 96.622+/-88.567 χ^2/NDF:67.6/47

Out: 269.904+/-87.076 χ^2/NDF:96.4/54

All: 184.734+/-62.093 χ^2/NDF: 166.0/102



Right In: 696.465+/-0.140 χ^2/NDF: 3036412.2/24

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 697.399+/-0.140 χ^2/NDF: 4661751.1/29

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

Left: 420.831+/-0.049 χ^2/NDF: 1156326.3/47

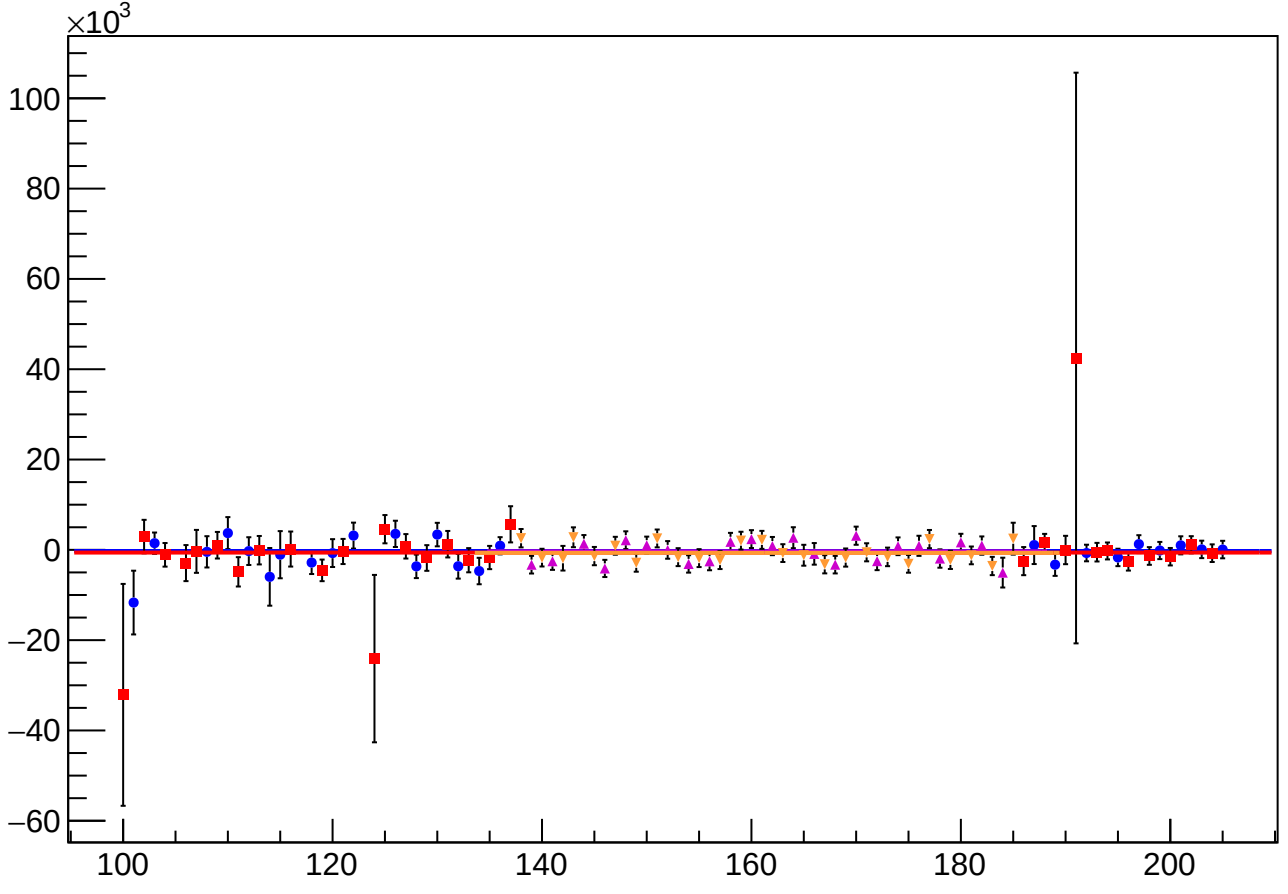
Right: 696.934+/-0.099 χ^2/NDF: 7698185.6/54

In: 475.268+/-0.063 χ^2/NDF:6553982.5/47

Out: 475.058+/-0.062 χ^2/NDF:8550738.7/54

All: 475.161+/-0.044 χ^2/NDF: 15104726.9/10

cor_asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -259.976+/-503.143 χ^2/NDF: 20.5/24

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -602.460+/-490.771 χ^2/NDF: 20.4/29

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

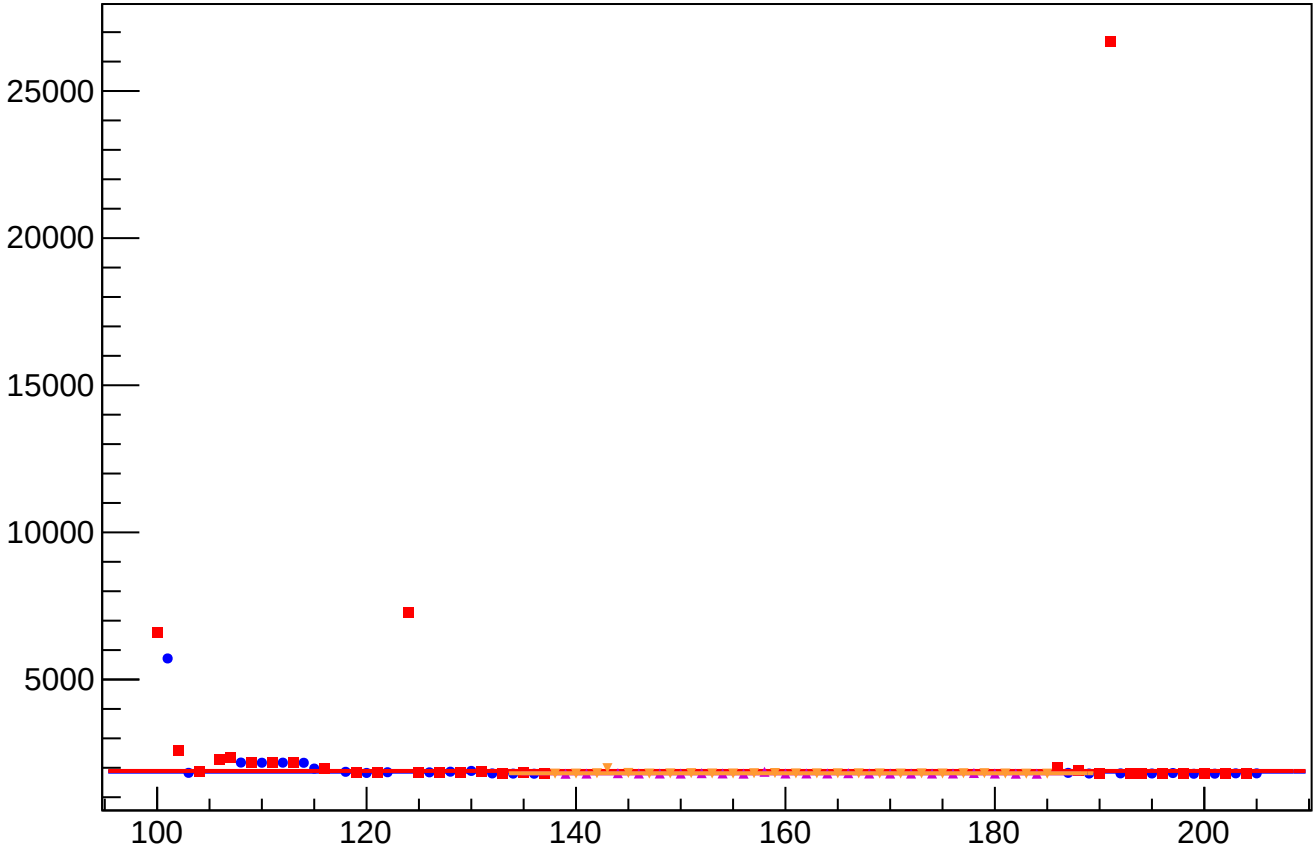
Right: -435.480+/-351.320 χ^2/NDF: 41.1/54

In: -308.640+/-323.650 χ^2/NDF:50.6/47

Out: -642.081+/-315.641 χ^2/NDF:45.1/54

All: -479.537+/-225.970 χ^2/NDF: 96.2/102

cor_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.4/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1892.442+/-0.347 χ^2/NDF: 747780.2/29

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

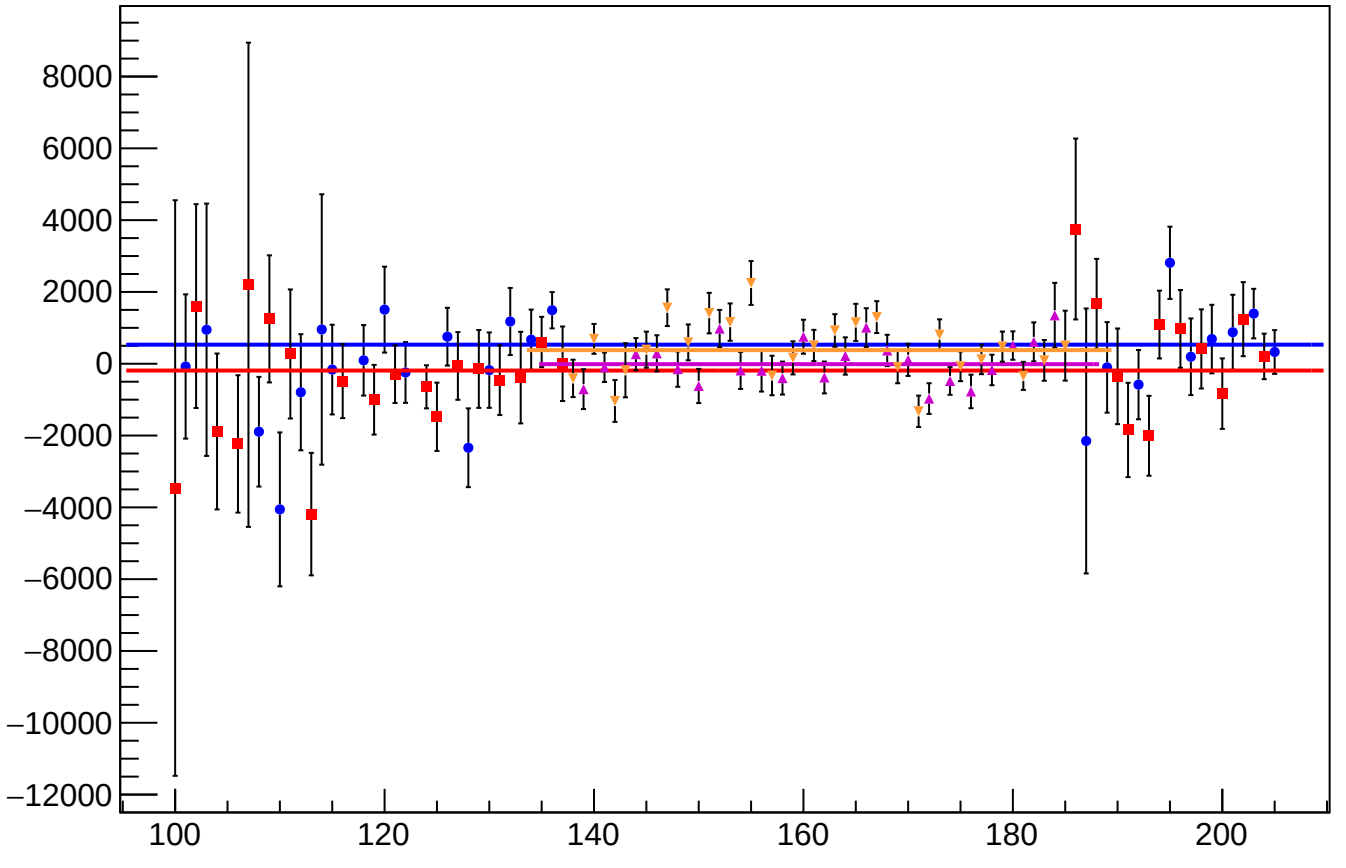
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

Right: 1880.217+/-0.248 χ^2/NDF: 1421609.7/54

In: 1834.006+/-0.229 χ^2/NDF:688252.0/47

Out: 1846.702+/-0.223 χ^2/NDF:790510.1/54

All: 1840.513+/-0.160 χ^2/NDF: 1480339.4/10



Right In: 531.253+/-198.403 χ^2/NDF: 30.5/24

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: -189.350+/-197.348 χ^2/NDF: 28.3/29

Left In: -11.539+/-98.975 χ^2/NDF:31.1/22

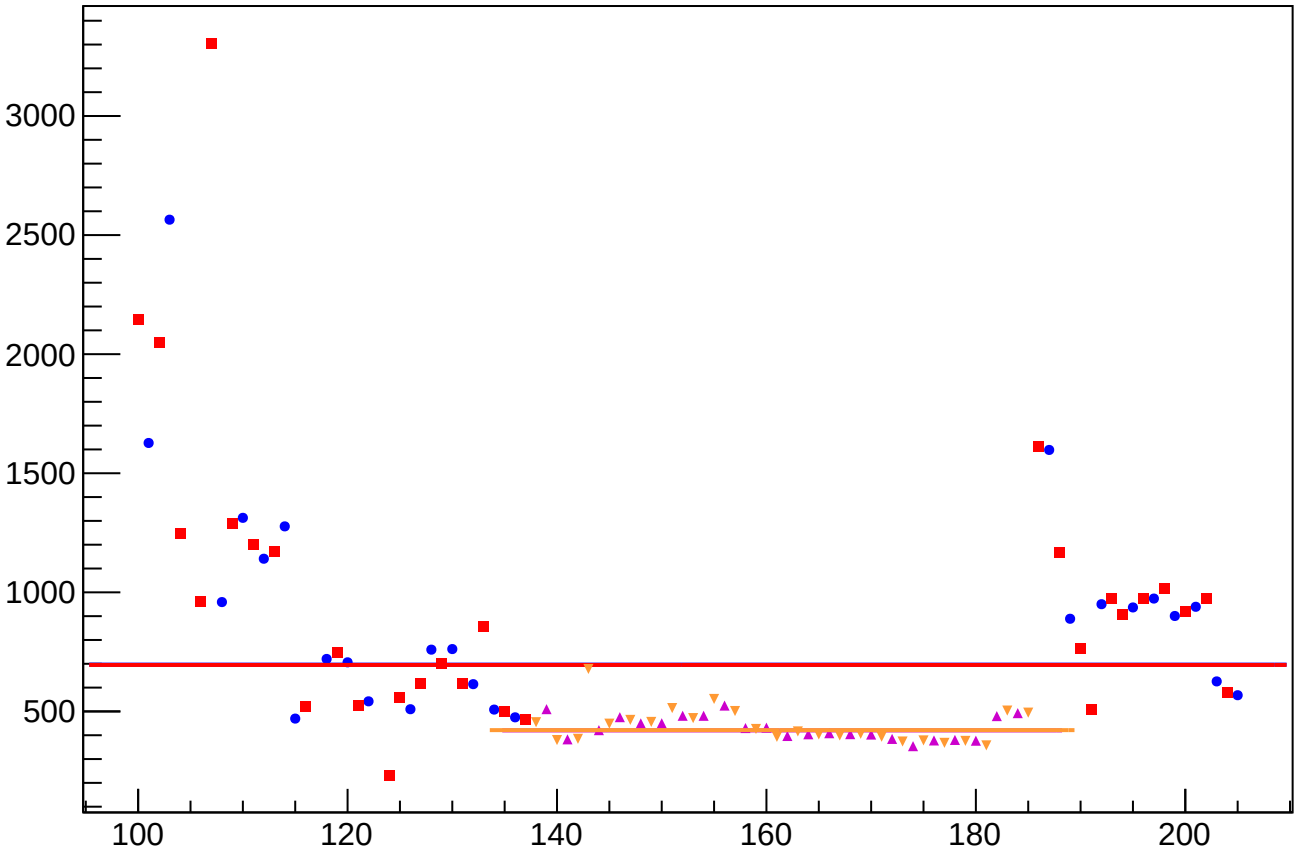
Left: 187.813+/-69.282 χ^2/NDF: 101.4/47

Right: 169.031+/-139.918 χ^2/NDF: 65.4/54

In: 96.623+/-88.566 χ^2/NDF:67.7/47

Out: 268.661+/-87.063 χ^2/NDF:97.3/54

All: 184.115+/-62.087 χ^2/NDF: 166.9/102



Right In: 696.463+/-0.140 χ^2/NDF: 3035582.6/24

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 695.143+/-0.140 χ^2/NDF: 4673169.9/29

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

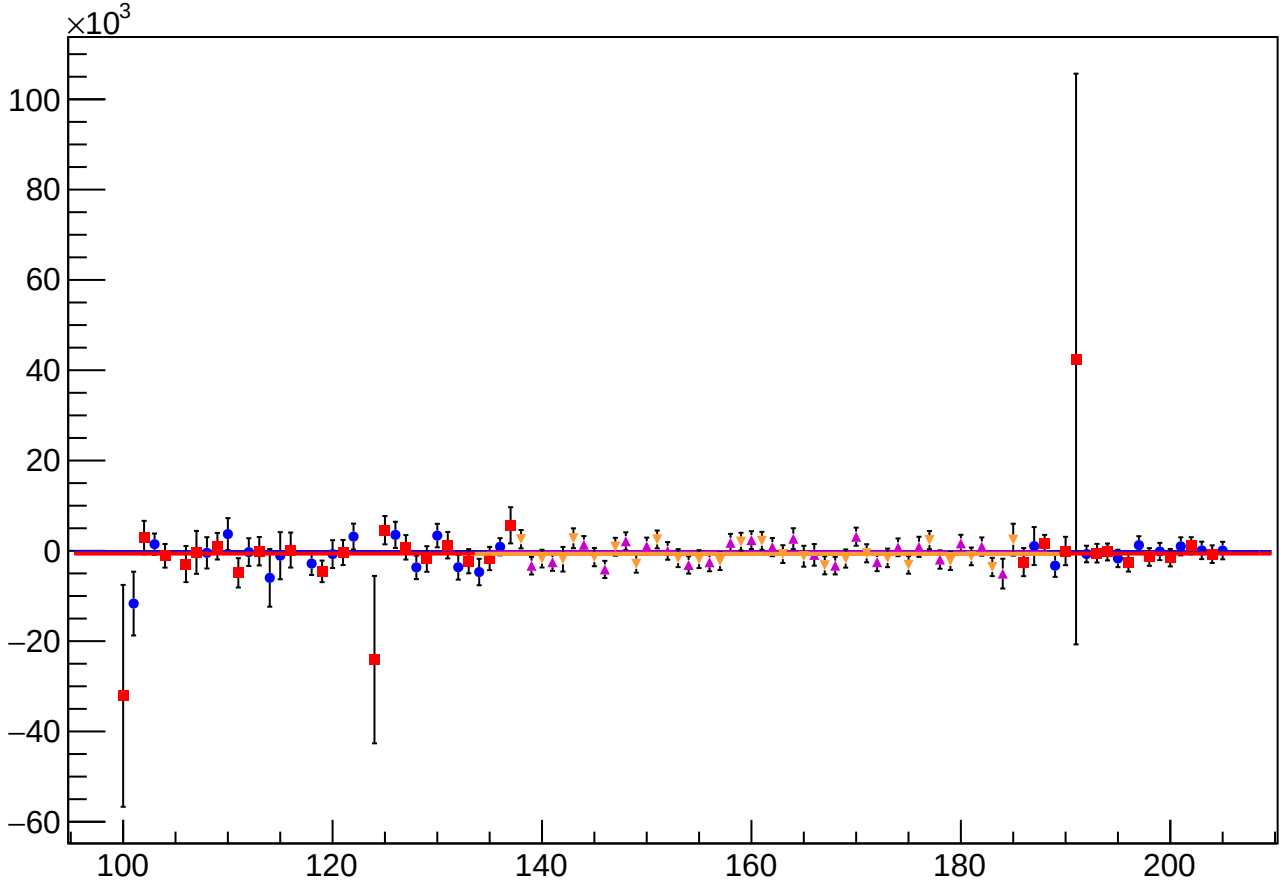
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 695.799+/-0.099 χ^2/NDF: 7708797.0/54

In: 475.266+/-0.063 χ^2/NDF:6553354.1/47

Out: 474.693+/-0.062 χ^2/NDF:8514894.7/54

All: 474.974+/-0.044 χ^2/NDF: 15068291.3/10



Right In: -259.976+/-503.143 χ^2/NDF: 20.5/24

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: -602.460+/-490.771 χ^2/NDF: 20.4/29

Left In: -342.989+/-422.712 χ^2/NDF:30.1/22

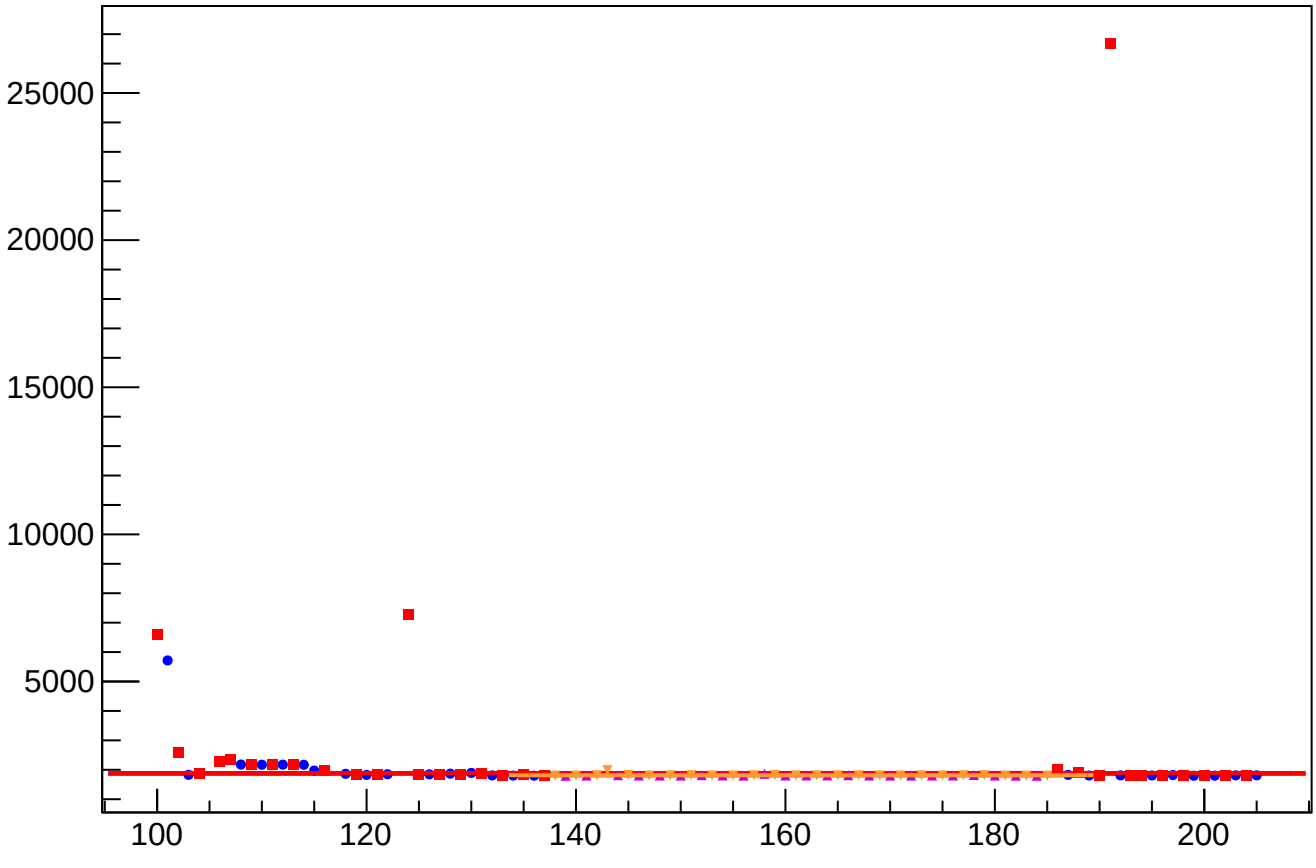
Left: -510.625+/-295.118 χ^2/NDF: 55.1/47

Right: -435.480+/-351.320 χ^2/NDF: 41.1/54

In: -308.640+/-323.650 χ^2/NDF:50.6/47

Out: -642.081+/-315.641 χ^2/NDF:45.1/54

All: -479.537+/-225.970 χ^2/NDF: 96.2/102



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.4/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1892.442+/-0.347 χ^2/NDF: 747780.2/29

Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

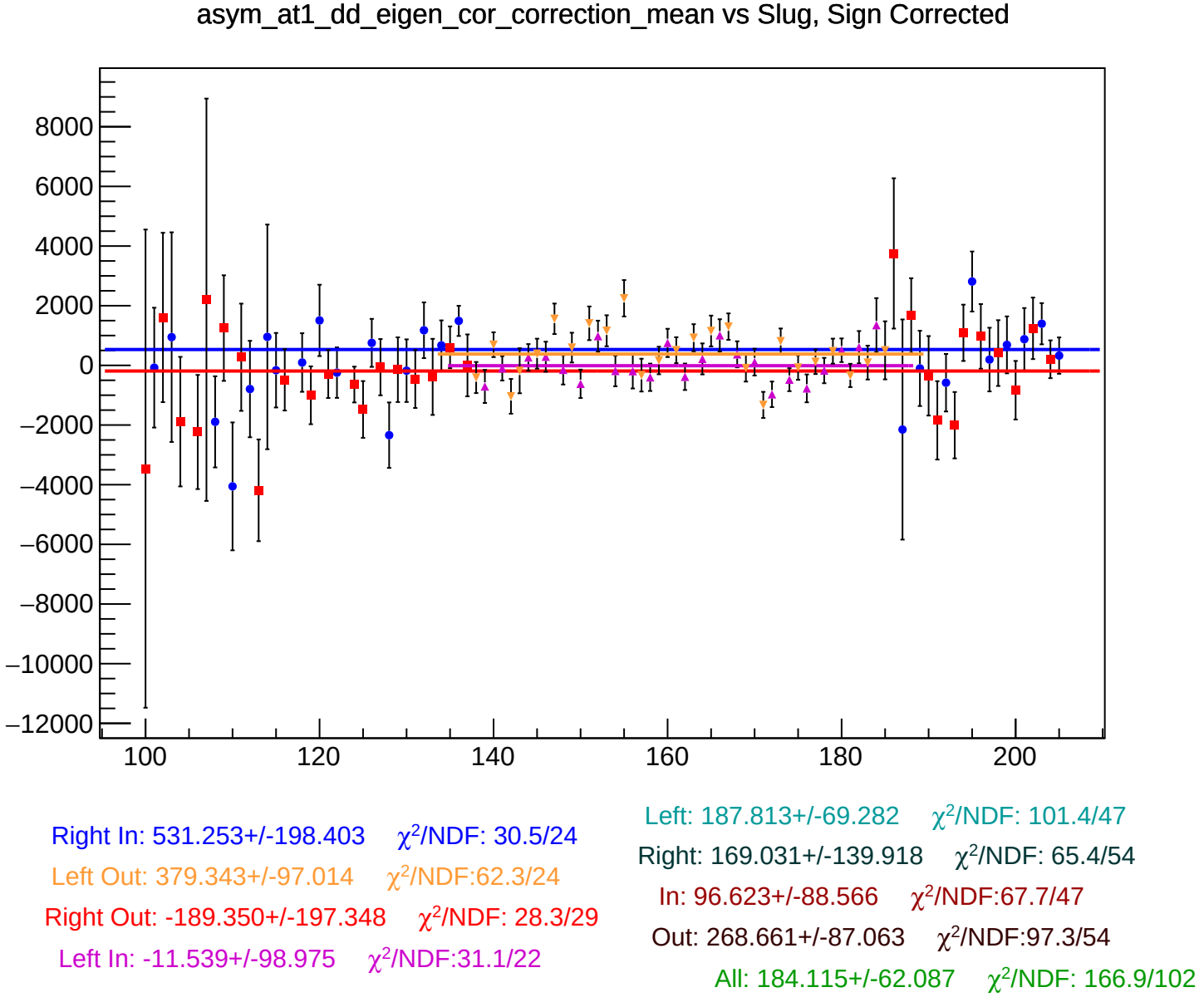
Left: 1812.496+/-0.209 χ^2/NDF: 15160.0/47

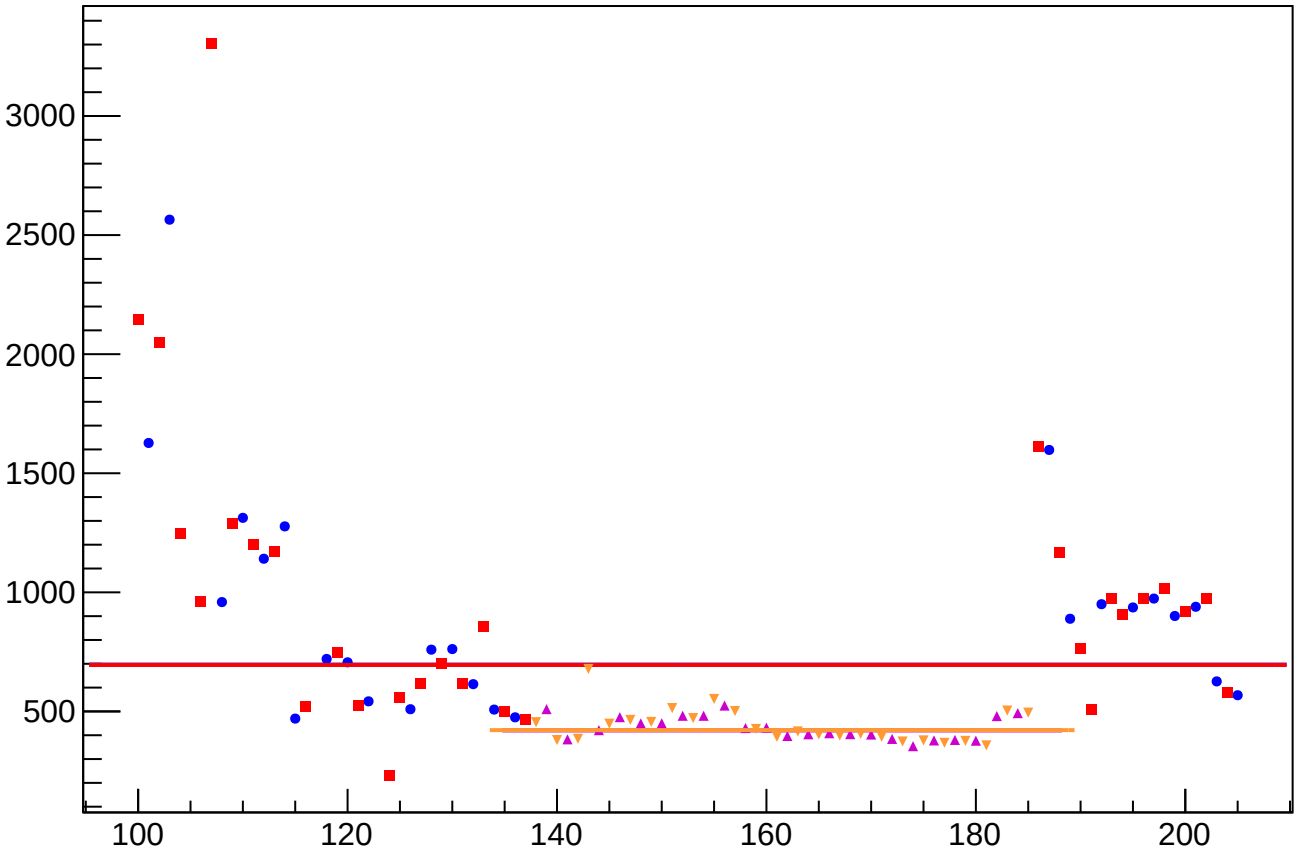
Right: 1880.217+/-0.248 χ^2/NDF: 1421609.7/54

In: 1834.006+/-0.229 χ^2/NDF:688252.0/47

Out: 1846.702+/-0.223 χ^2/NDF:790510.1/54

All: 1840.513+/-0.160 χ^2/NDF: 1480339.4/10


asym_at1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
Right In: 531.253+/-198.403 χ²/NDF: 30.5/24
Left Out: 379.343+/-97.014 χ²/NDF:62.3/24
Right Out: -189.350+/-197.348 χ²/NDF: 28.3/29
Left In: -11.539+/-98.975 χ²/NDF:31.1/22
Left: 187.813+/-69.282 χ²/NDF: 101.4/47
Right: 169.031+/-139.918 χ²/NDF: 65.4/54
In: 96.623+/-88.566 χ²/NDF:67.7/47
Out: 268.661+/-87.063 χ²/NDF:97.3/54
All: 184.115+/-62.087 χ²/NDF: 166.9/102



Right In: 696.463+/-0.140 χ^2/NDF: 3035582.6/24

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 695.143+/-0.140 χ^2/NDF: 4673169.9/29

Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

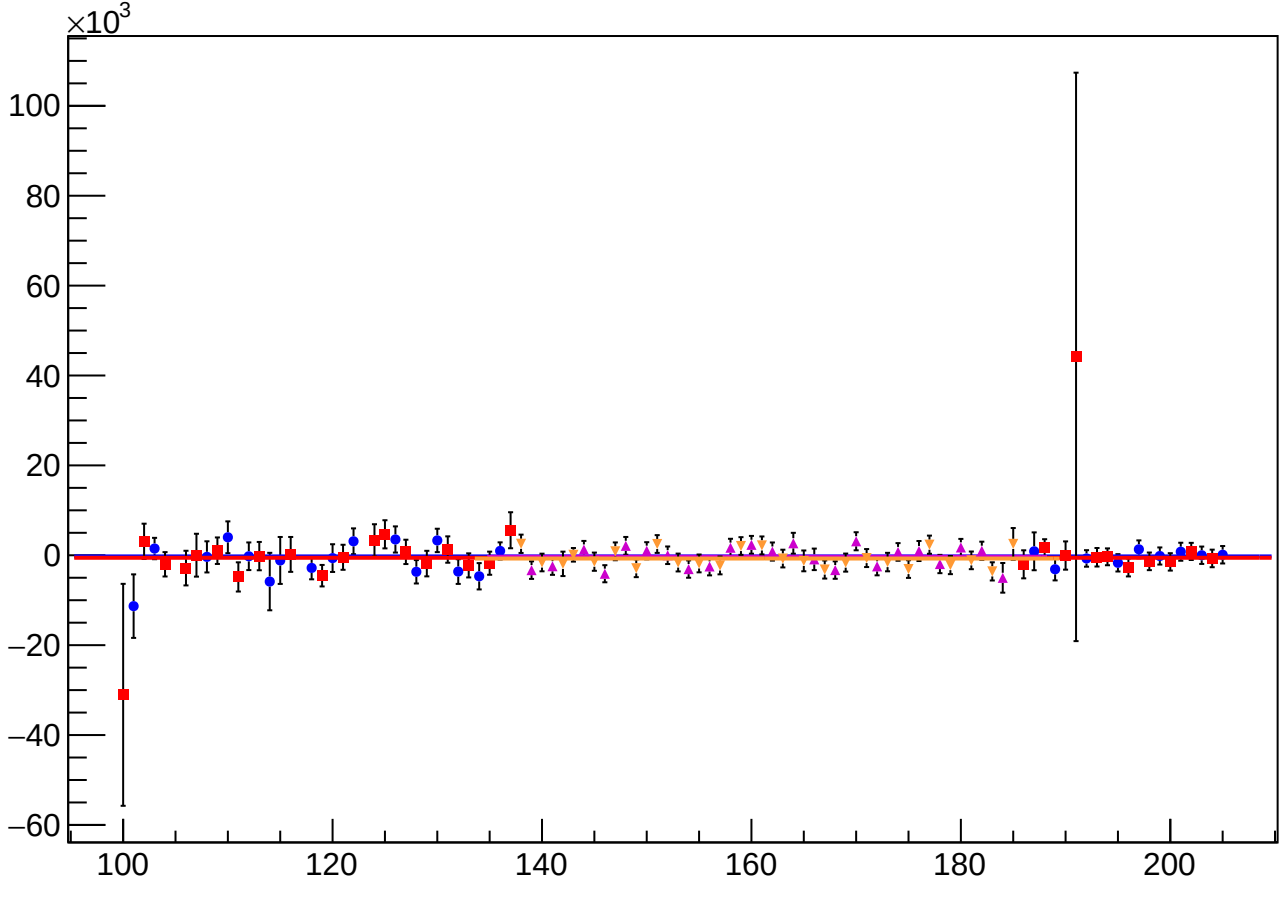
Left: 420.831+/-0.049 χ^2/NDF: 1156310.3/47

Right: 695.799+/-0.099 χ^2/NDF: 7708797.0/54

In: 475.266+/-0.063 χ^2/NDF:6553354.1/47

Out: 474.693+/-0.062 χ^2/NDF:8514894.7/54

All: 474.974+/-0.044 χ^2/NDF: 15068291.3/10



Right In: -254.140+/-503.704 χ^2/NDF: 20.1/24

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: -554.874+/-487.626 χ^2/NDF: 19.7/29

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

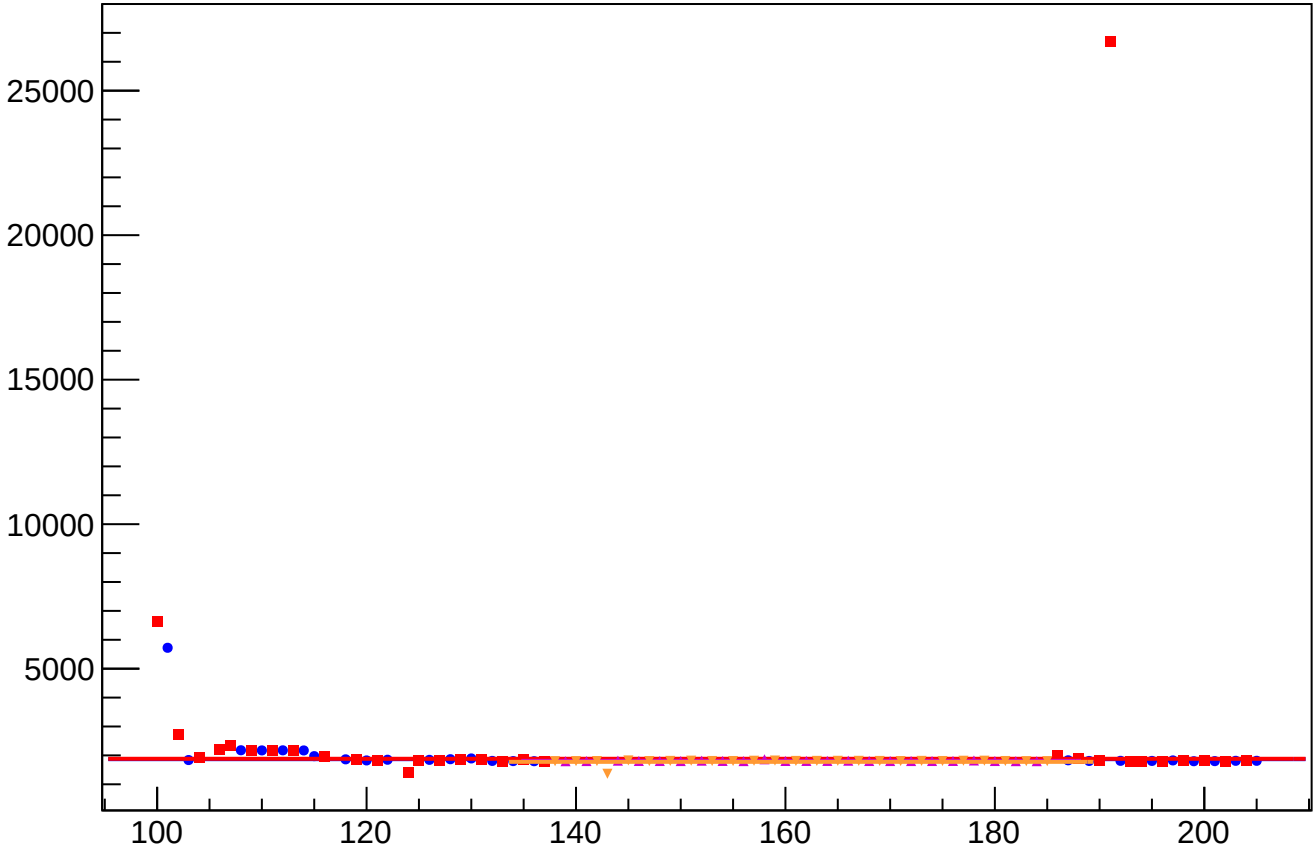
Right: -409.383+/-350.350 χ^2/NDF: 40.0/54

In: -305.223+/-323.865 χ^2/NDF:49.7/47

Out: -655.389+/-311.290 χ^2/NDF:42.0/54

All: -487.236+/-224.429 χ^2/NDF: 92.3/102

dit_asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 1869.318+/-0.356 χ^2/NDF: 670981.1/24

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1882.691+/-0.345 χ^2/NDF: 626198.2/29

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

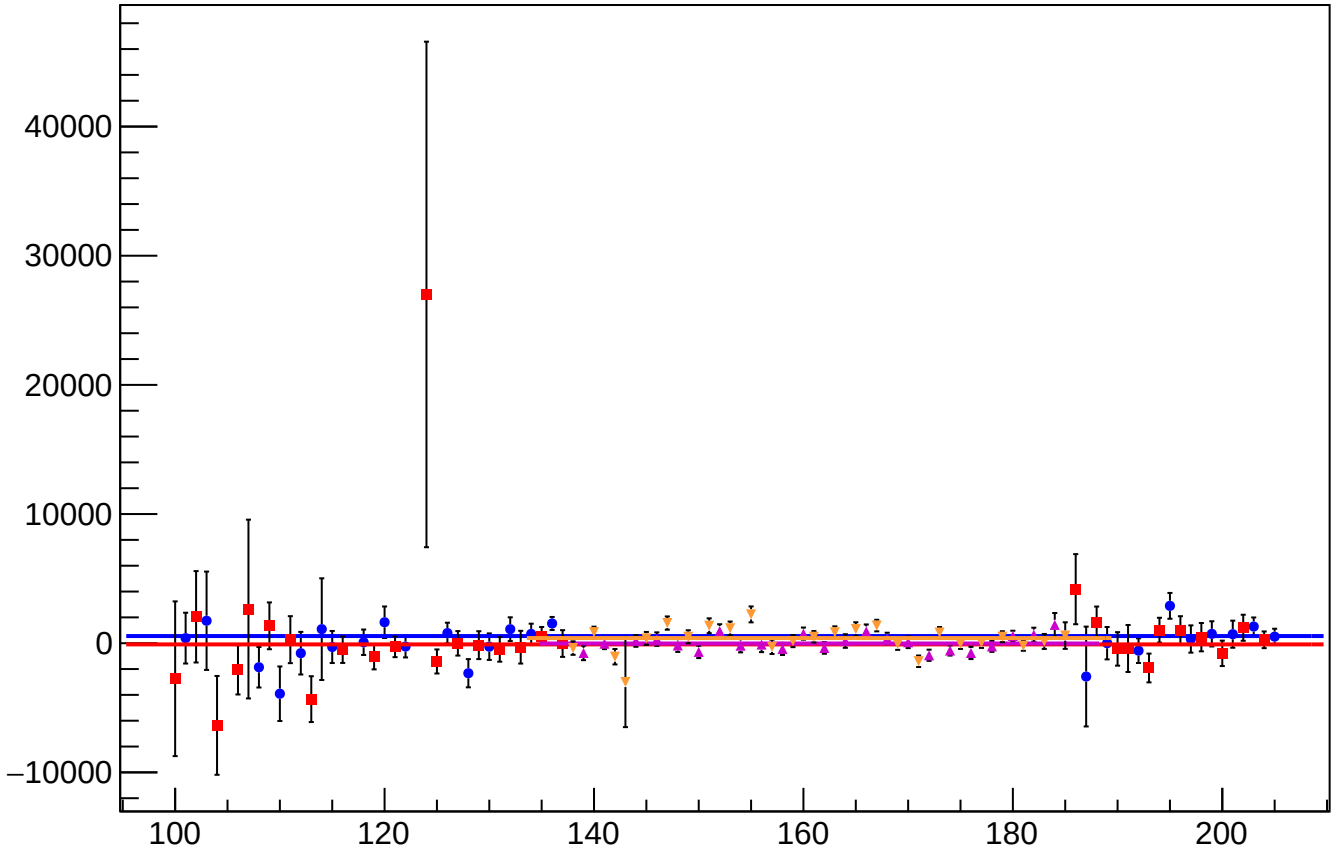
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1876.221+/-0.248 χ^2/NDF: 1297907.0/54

In: 1835.158+/-0.229 χ^2/NDF:688627.1/47

Out: 1819.906+/-0.220 χ^2/NDF:843454.3/54

All: 1827.230+/-0.159 χ^2/NDF: 1534386.8/10



Right In: 554.002+/-197.991 χ^2/NDF: 30.7/24

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: -91.979+/-211.112 χ^2/NDF: 29.1/29

Left In: -21.453+/-100.264 χ^2/NDF:30.8/22

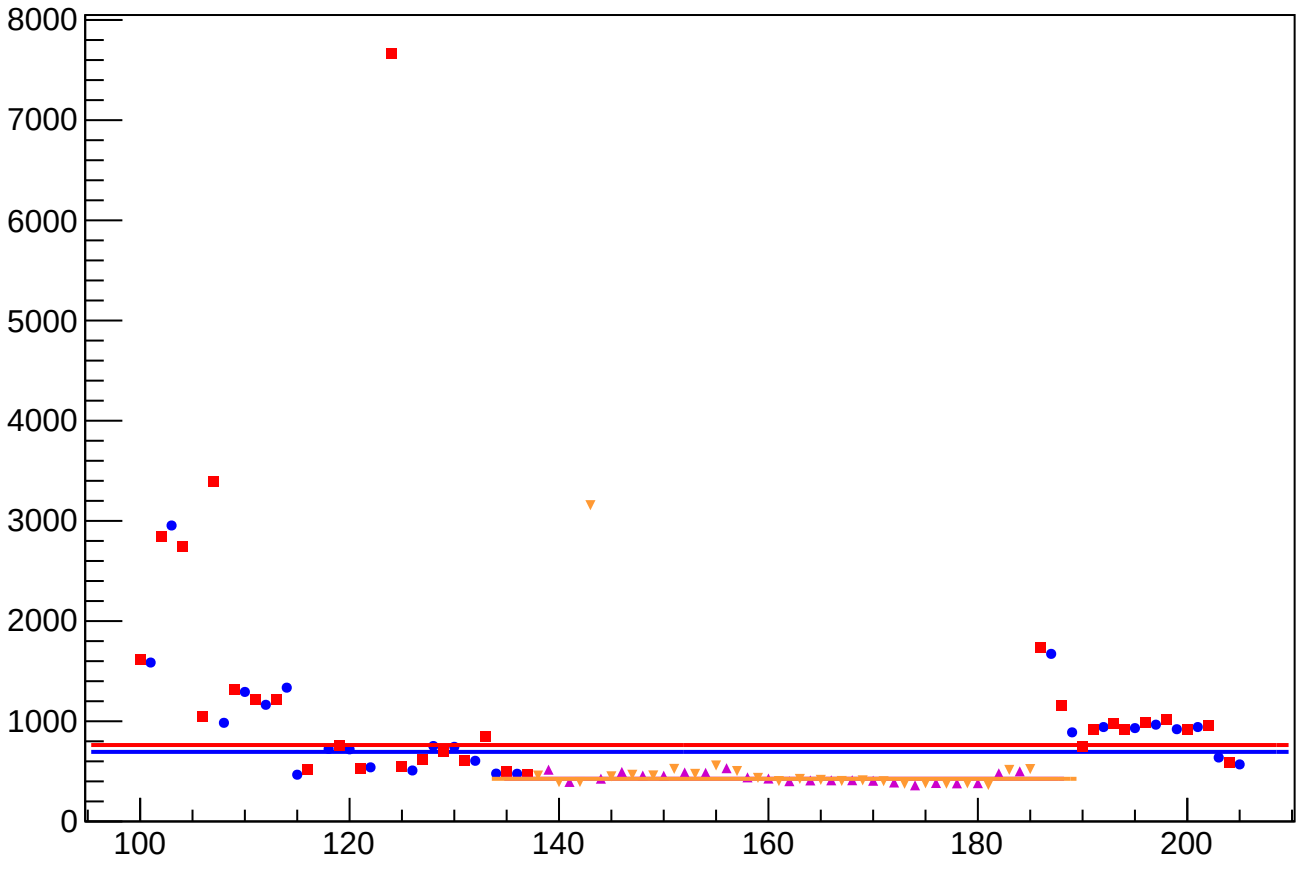
Left: 190.721+/-70.506 χ^2/NDF: 100.2/47

Right: 251.708+/-144.417 χ^2/NDF: 64.8/54

In: 96.000+/-89.449 χ^2/NDF:68.2/47

Out: 309.652+/-89.756 χ^2/NDF:94.0/54

All: 202.460+/-63.358 χ^2/NDF: 165.1/102



Right In: 694.352+/-0.140 χ^2/NDF: 3227435.1/24

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 762.835+/-0.149 χ^2/NDF: 4315599.9/29

Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

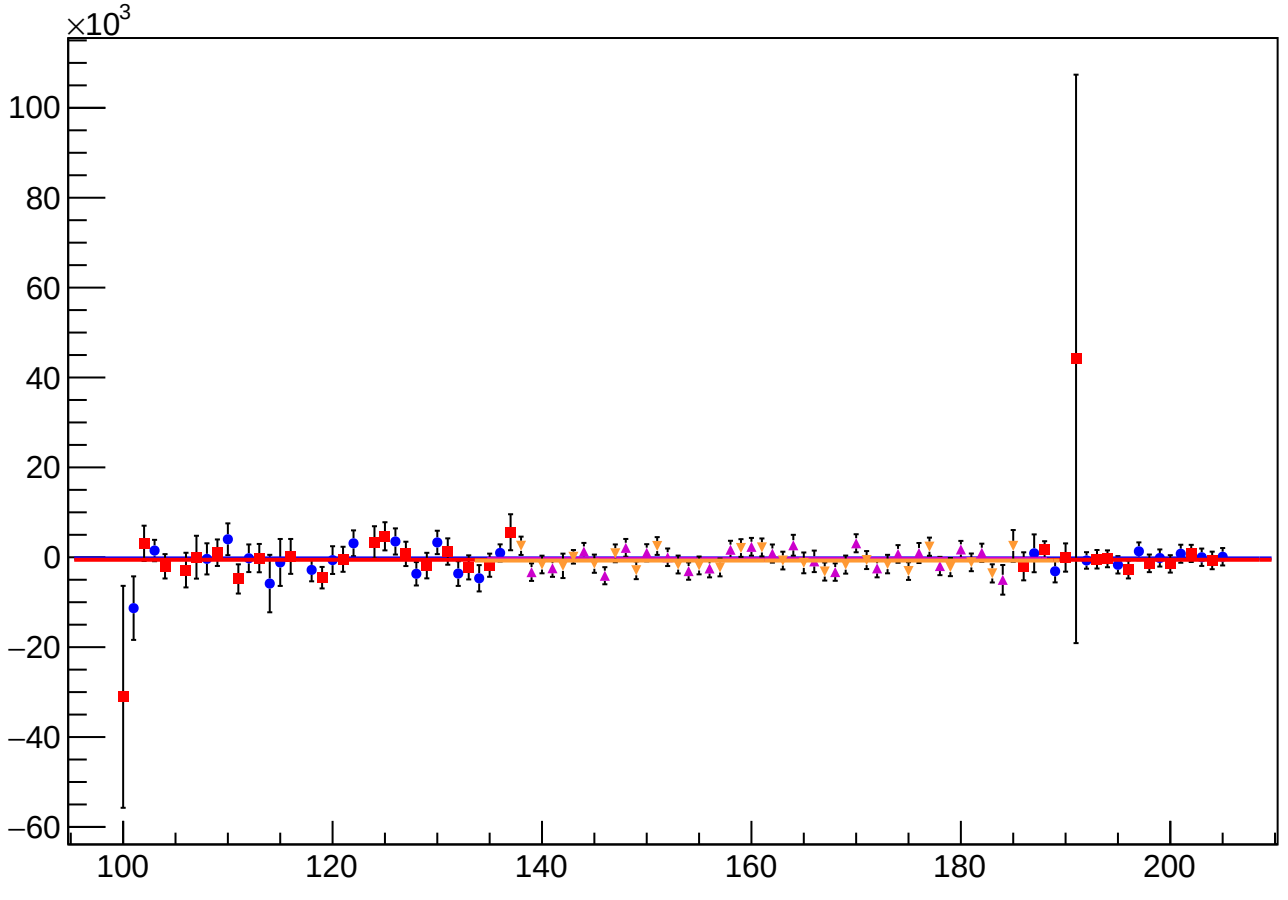
Left: 425.918+/-0.050 χ^2/NDF: 2133577.1/47

Right: 726.399+/-0.102 χ^2/NDF: 7655007.4/54

In: 480.887+/-0.063 χ^2/NDF:6563873.0/47

Out: 486.638+/-0.063 χ^2/NDF:10212356.4/54

All: 483.752+/-0.045 χ^2/NDF: 16780348.5/10



Right In: -254.141+/-503.704 χ^2/NDF: 20.1/24

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: -554.873+/-487.626 χ^2/NDF: 19.7/29

Left In: -341.223+/-422.858 χ^2/NDF:29.6/22

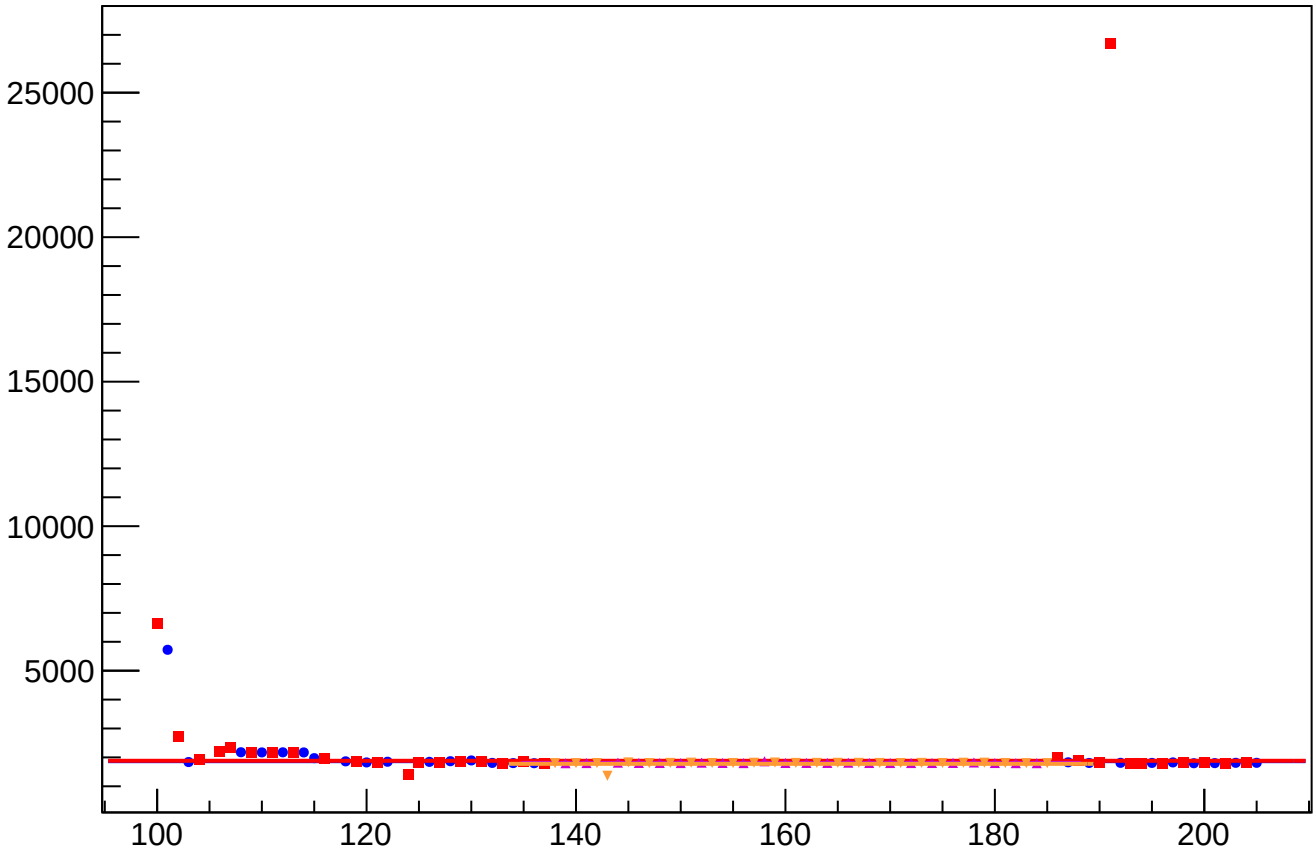
Left: -541.415+/-292.268 χ^2/NDF: 52.3/47

Right: -409.383+/-350.350 χ^2/NDF: 40.0/54

In: -305.223+/-323.865 χ^2/NDF:49.7/47

Out: -655.389+/-311.290 χ^2/NDF:42.0/54

All: -487.236+/-224.429 χ^2/NDF: 92.3/102



Right In: 1869.317+/-0.356 χ^2/NDF: 670981.1/24

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1882.691+/-0.345 χ^2/NDF: 626198.0/29

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

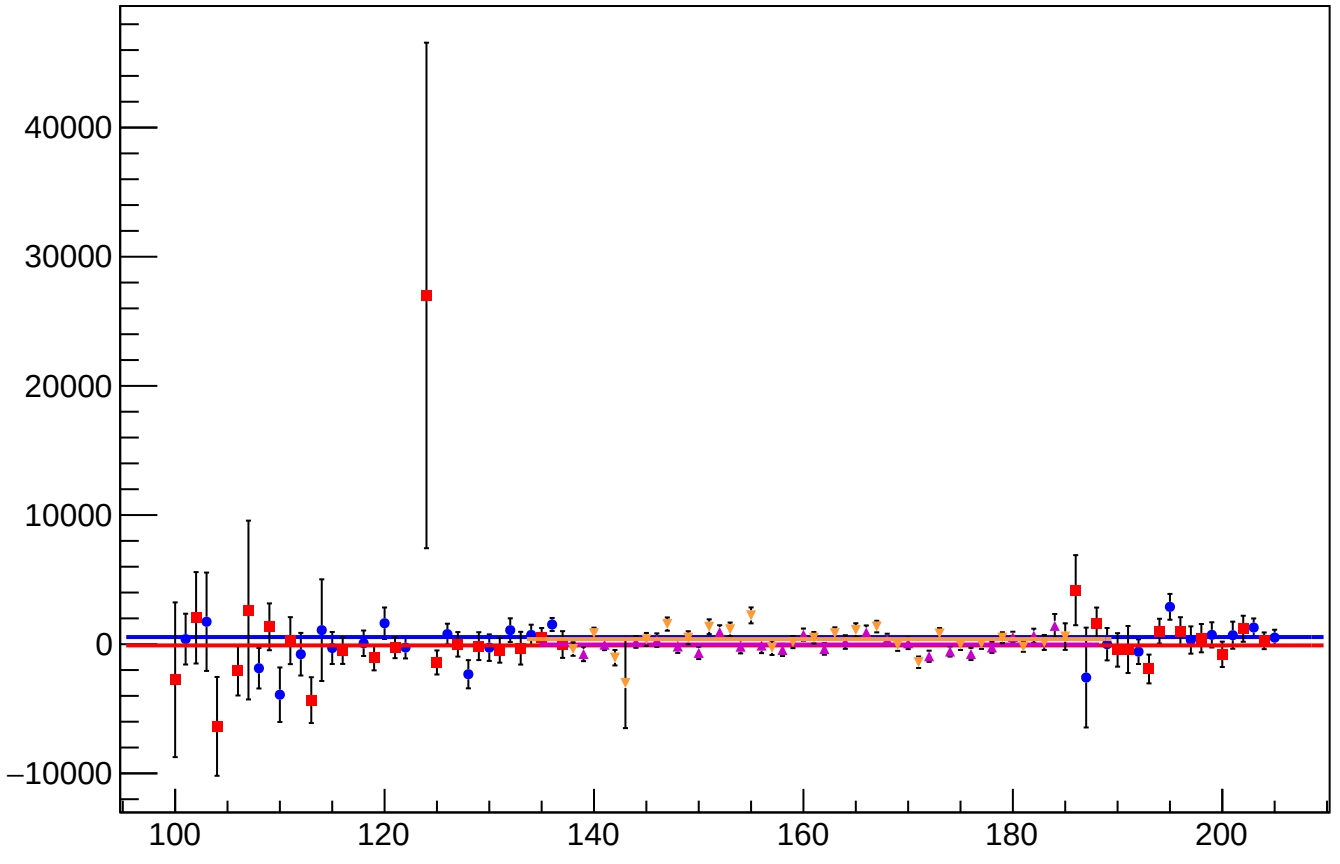
Left: 1793.137+/-0.207 χ^2/NDF: 170157.7/47

Right: 1876.221+/-0.248 χ^2/NDF: 1297906.9/54

In: 1835.158+/-0.229 χ^2/NDF:688627.1/47

Out: 1819.906+/-0.220 χ^2/NDF:843454.1/54

All: 1827.230+/-0.159 χ^2/NDF: 1534386.6/10



Right In: 554.001+/-197.991 χ^2/NDF: 30.7/24

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: -91.980+/-211.112 χ^2/NDF: 29.1/29

Left In: -21.452+/-100.264 χ^2/NDF:30.8/22

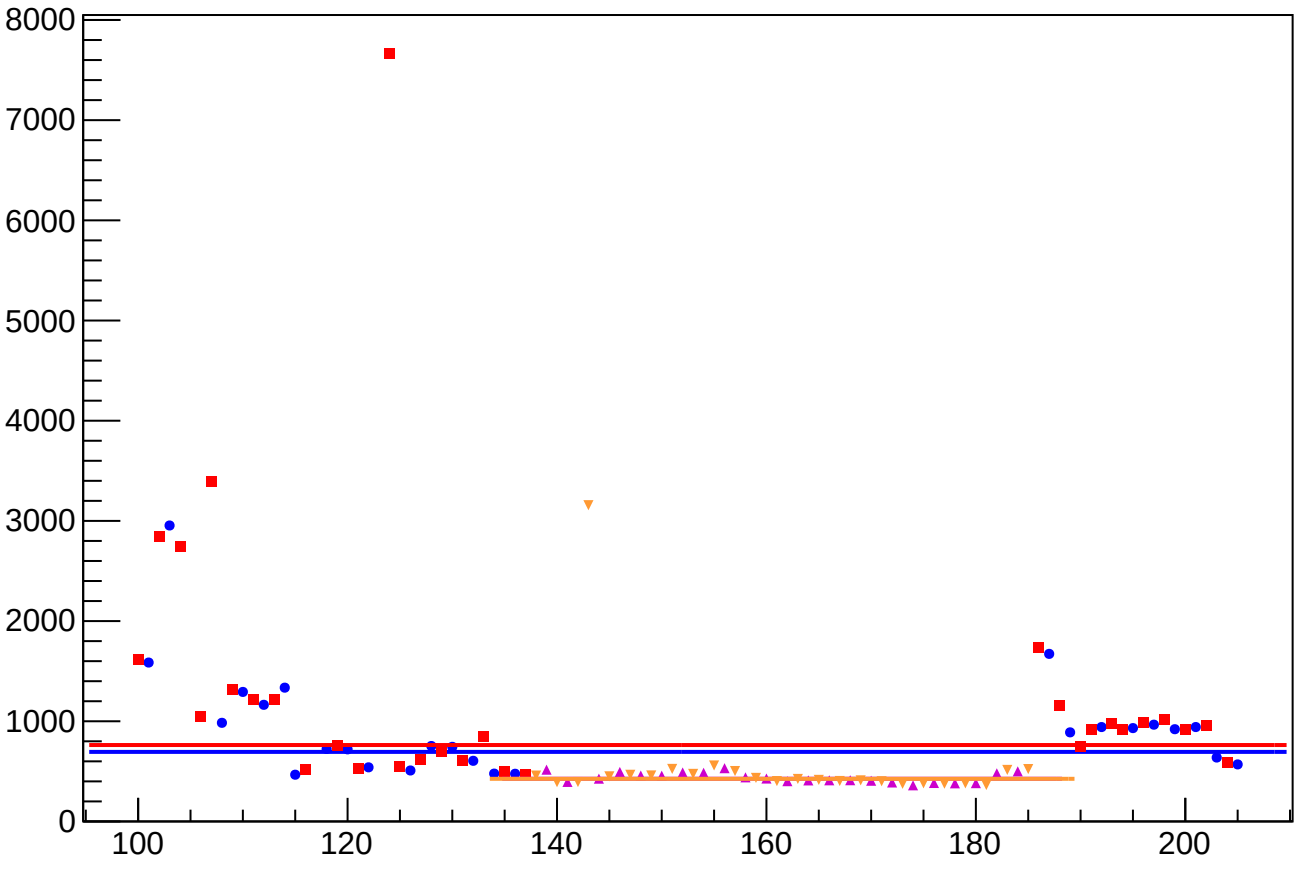
Left: 190.722+/-70.506 χ^2/NDF: 100.2/47

Right: 251.707+/-144.417 χ^2/NDF: 64.8/54

In: 96.001+/-89.449 χ^2/NDF:68.2/47

Out: 309.651+/-89.756 χ^2/NDF:94.0/54

All: 202.460+/-63.358 χ^2/NDF: 165.1/102



Right In: 694.352+/-0.140 χ^2/NDF: 3227435.0/24

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 762.835+/-0.149 χ^2/NDF: 4315601.7/29

Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

Left: 425.918+/-0.050 χ^2/NDF: 2133583.2/47

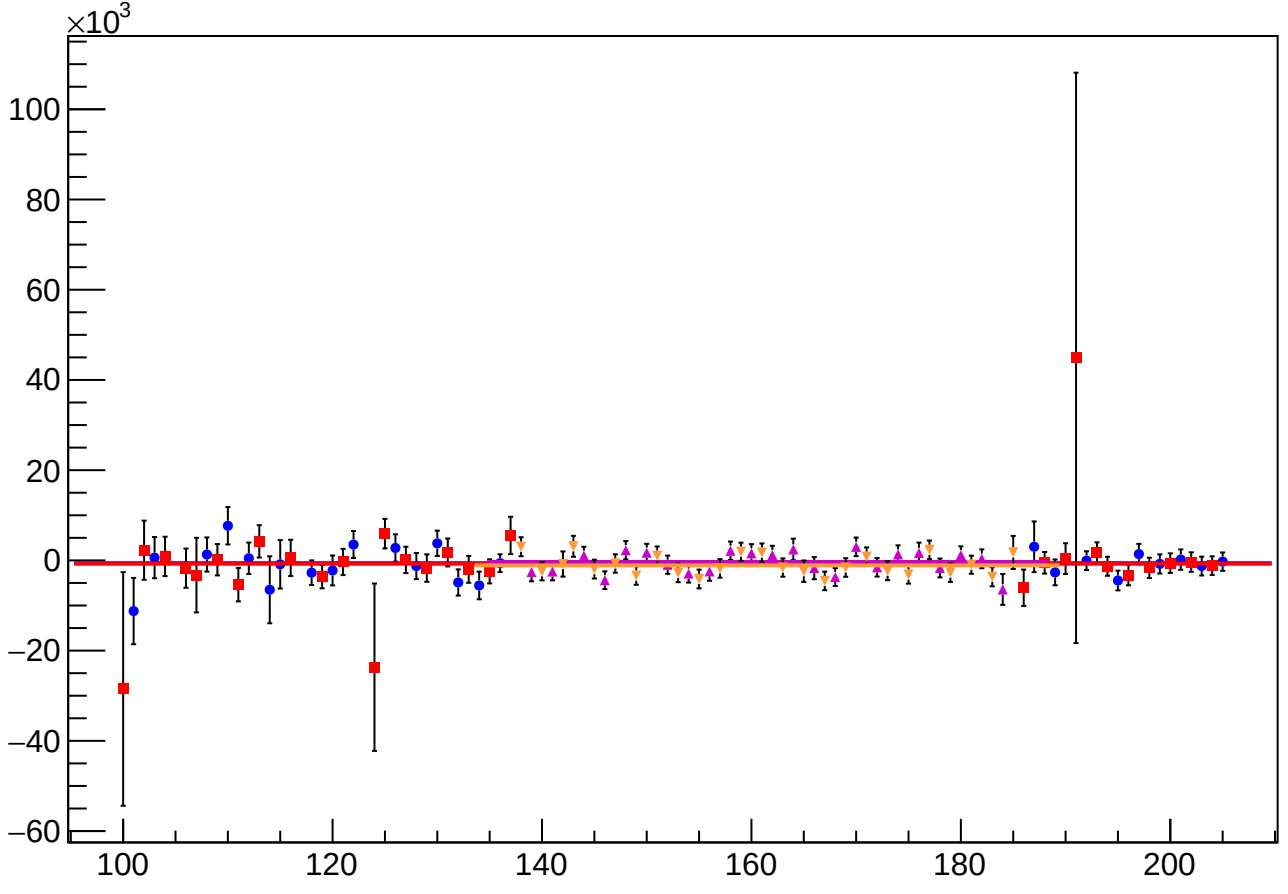
Right: 726.399+/-0.102 χ^2/NDF: 7655009.0/54

In: 480.887+/-0.063 χ^2/NDF:6563881.7/47

Out: 486.637+/-0.063 χ^2/NDF:10212368.8/54

All: 483.752+/-0.045 χ^2/NDF: 16780369.4/10

asym_at1_dd_mean vs Slug, Sign Corrected



Right In: -635.652+/-560.485 χ^2/NDF: 23.5/24

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -704.788+/-556.843 χ^2/NDF: 20.9/29

Left In: -346.936+/-434.947 χ^2/NDF:28.8/22

Left: -735.454+/-303.847 χ^2/NDF: 58.3/47

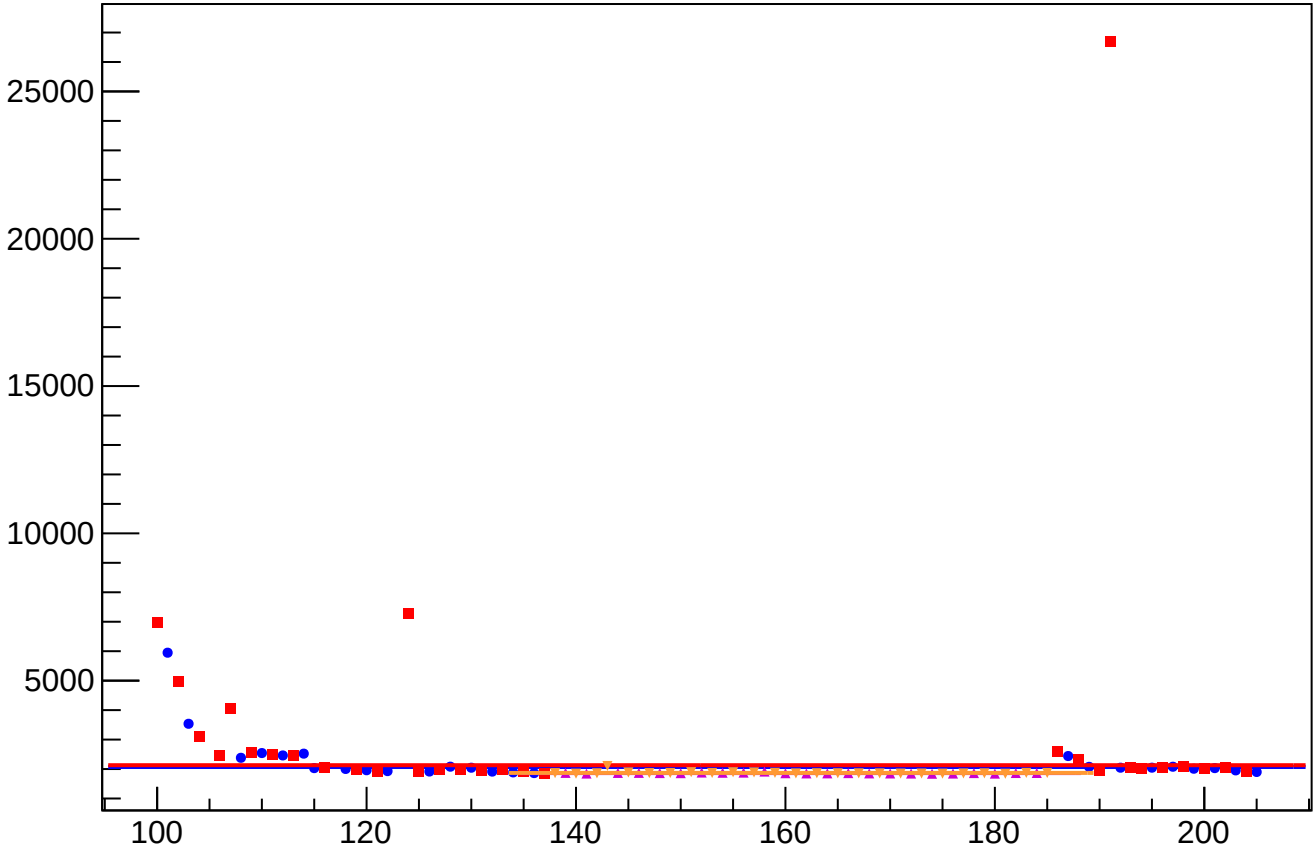
Right: -670.445+/-395.029 χ^2/NDF: 44.4/54

In: -455.453+/-343.619 χ^2/NDF:52.5/47

Out: -958.338+/-337.665 χ^2/NDF:49.2/54

All: -711.290+/-240.843 χ^2/NDF: 102.8/102

asym_at1_dd_rms vs Slug, Sign Corrected



Right In: 2070.290+/-0.396 χ^2/NDF: 916336.7/24

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2130.093+/-0.394 χ^2/NDF: 1339364.1/29

Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

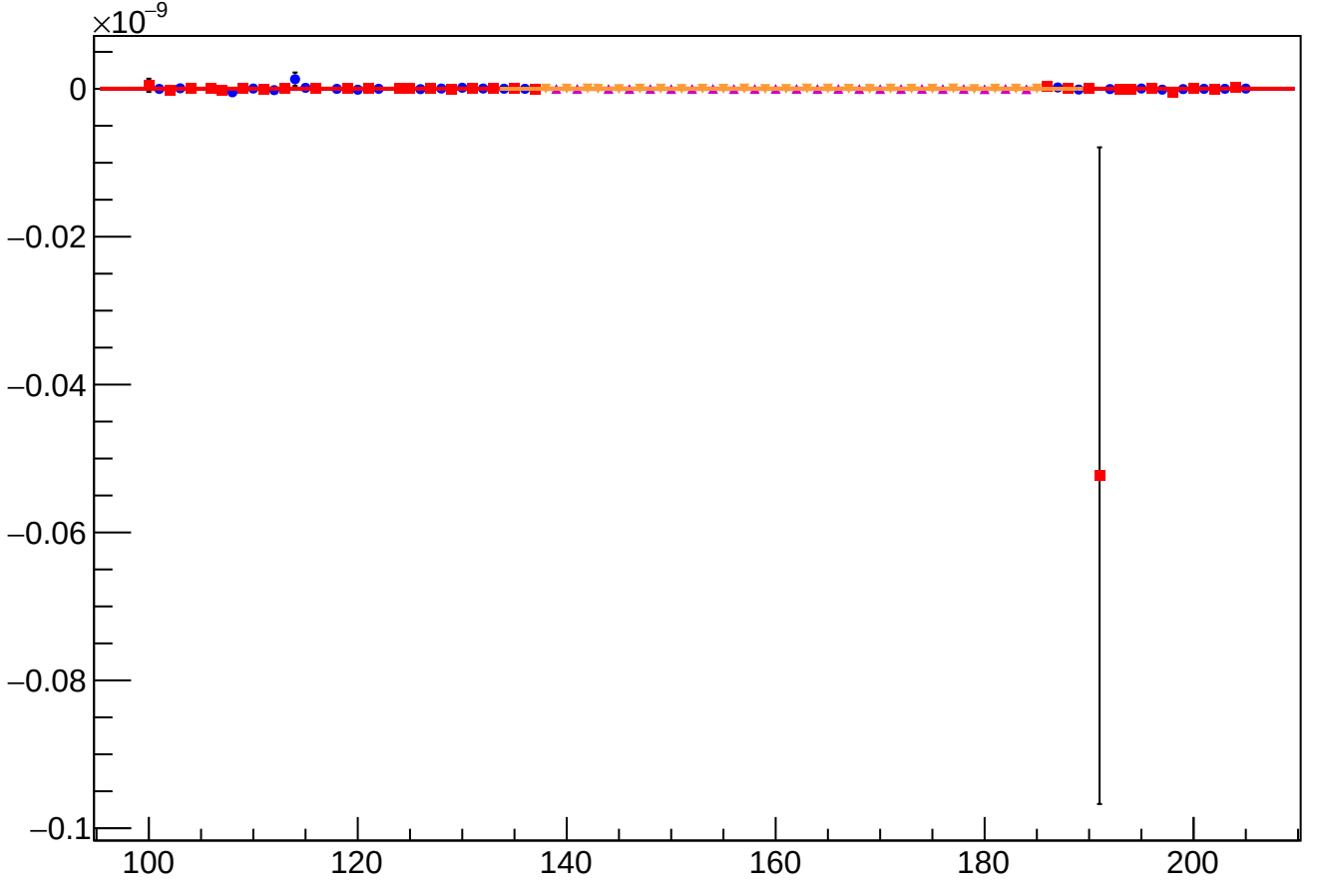
Left: 1865.958+/-0.215 χ^2/NDF: 26231.5/47

Right: 2100.387+/-0.279 χ^2/NDF: 2267159.9/54

In: 1940.805+/-0.243 χ^2/NDF:1090076.2/47

Out: 1964.970+/-0.239 χ^2/NDF:1640822.7/54

All: 1953.099+/-0.170 χ^2/NDF: 2735931.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/29

Left In: -0.000+/-0.000 χ^2/NDF:17.3/22

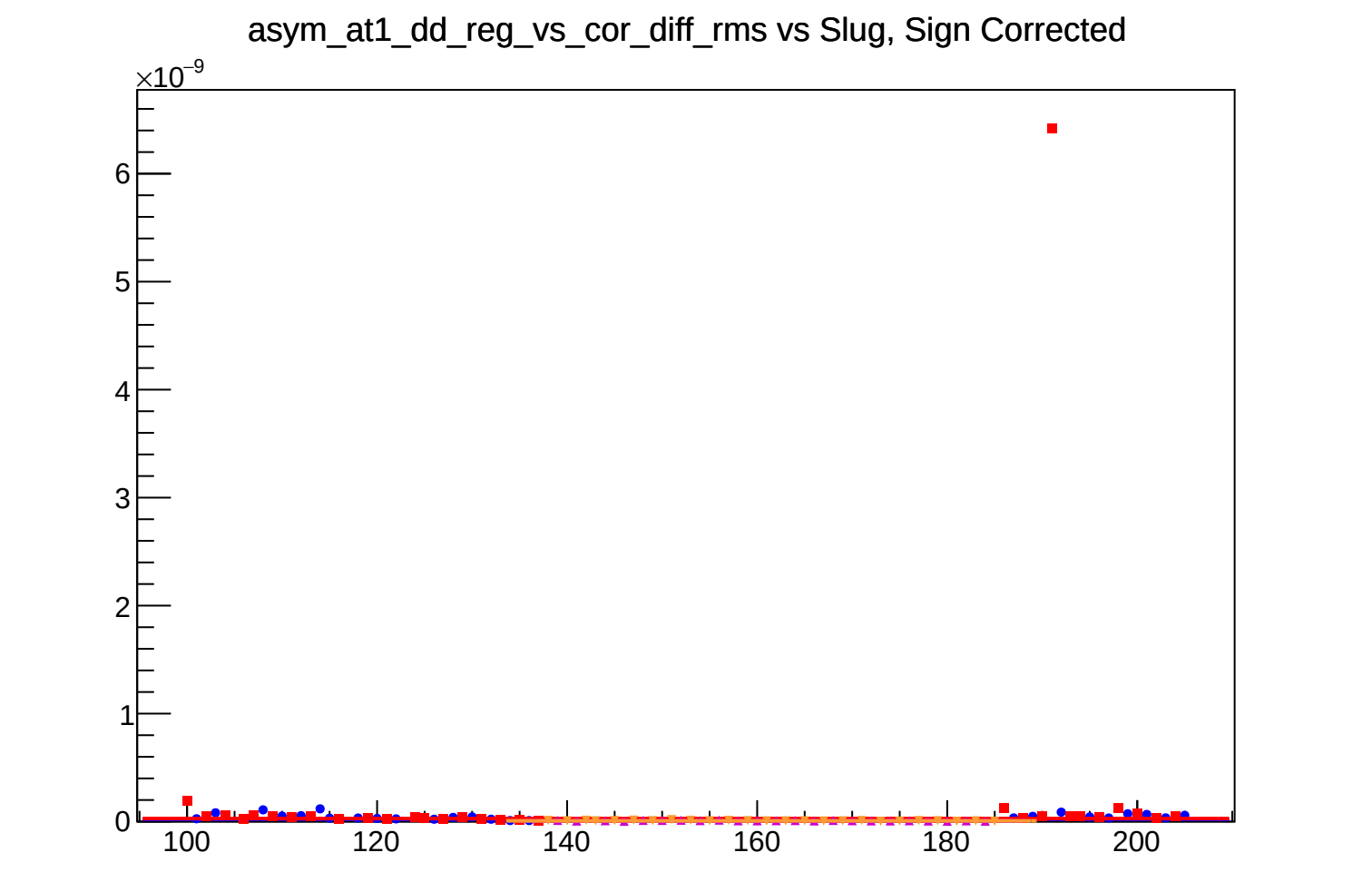
Left: -0.000+/-0.000 χ^2/NDF: 61.0/47

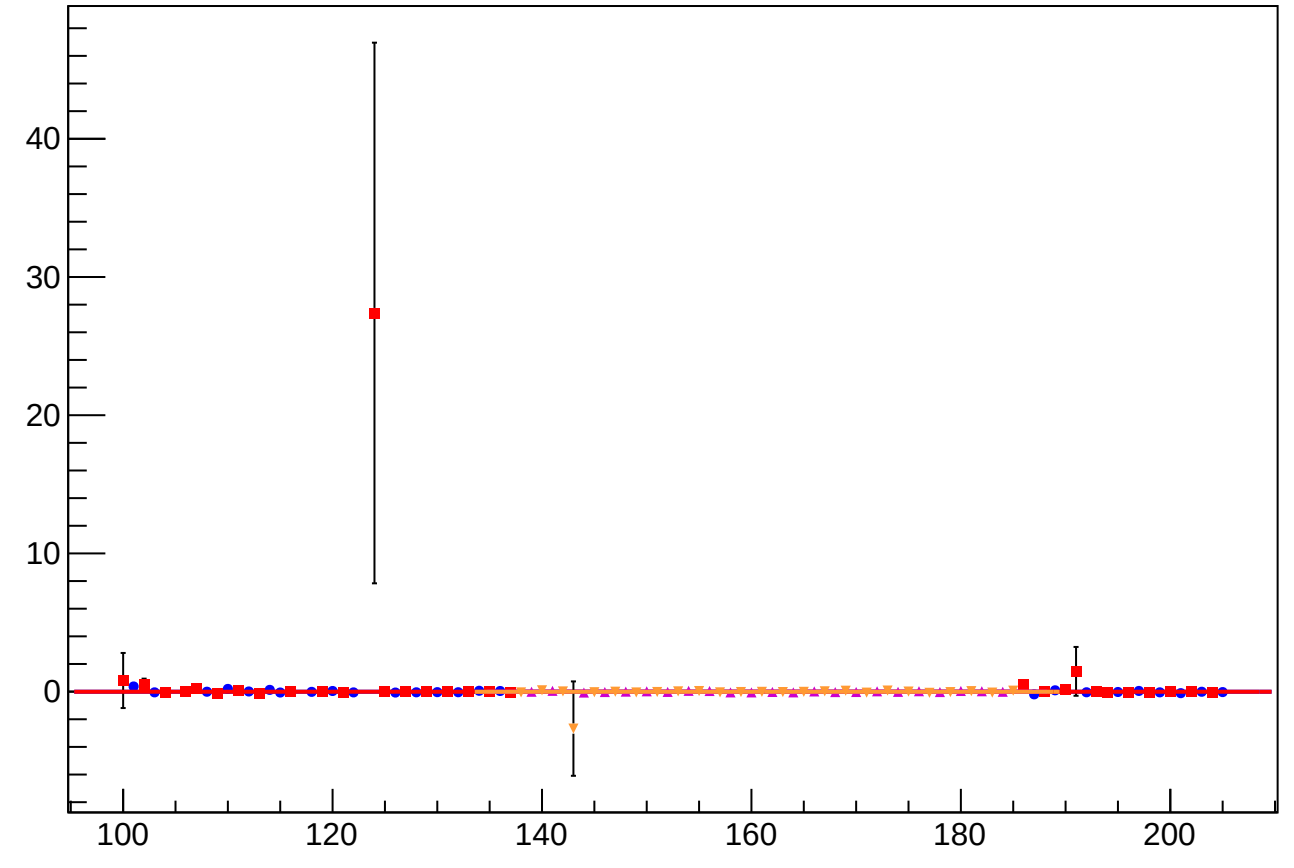
Right: 0.000+/-0.000 χ^2/NDF: 55.9/54

In: -0.000+/-0.000 χ^2/NDF:39.8/47

Out: 0.000+/-0.000 χ^2/NDF:76.1/54

All: -0.000+/-0.000 χ^2/NDF: 118.0/102


asym_at1_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 4503290.3/24
Left Out: 0.000+/-0.000 χ²/NDF:1843010.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3094919.7/29
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: 8003011.6/54
In: 0.000+/-0.000 χ²/NDF:8534505.9/47
Out: 0.000+/-0.000 χ²/NDF:9355130.0/54
All: 0.000+/-0.000 χ²/NDF: 17889843.5/102



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

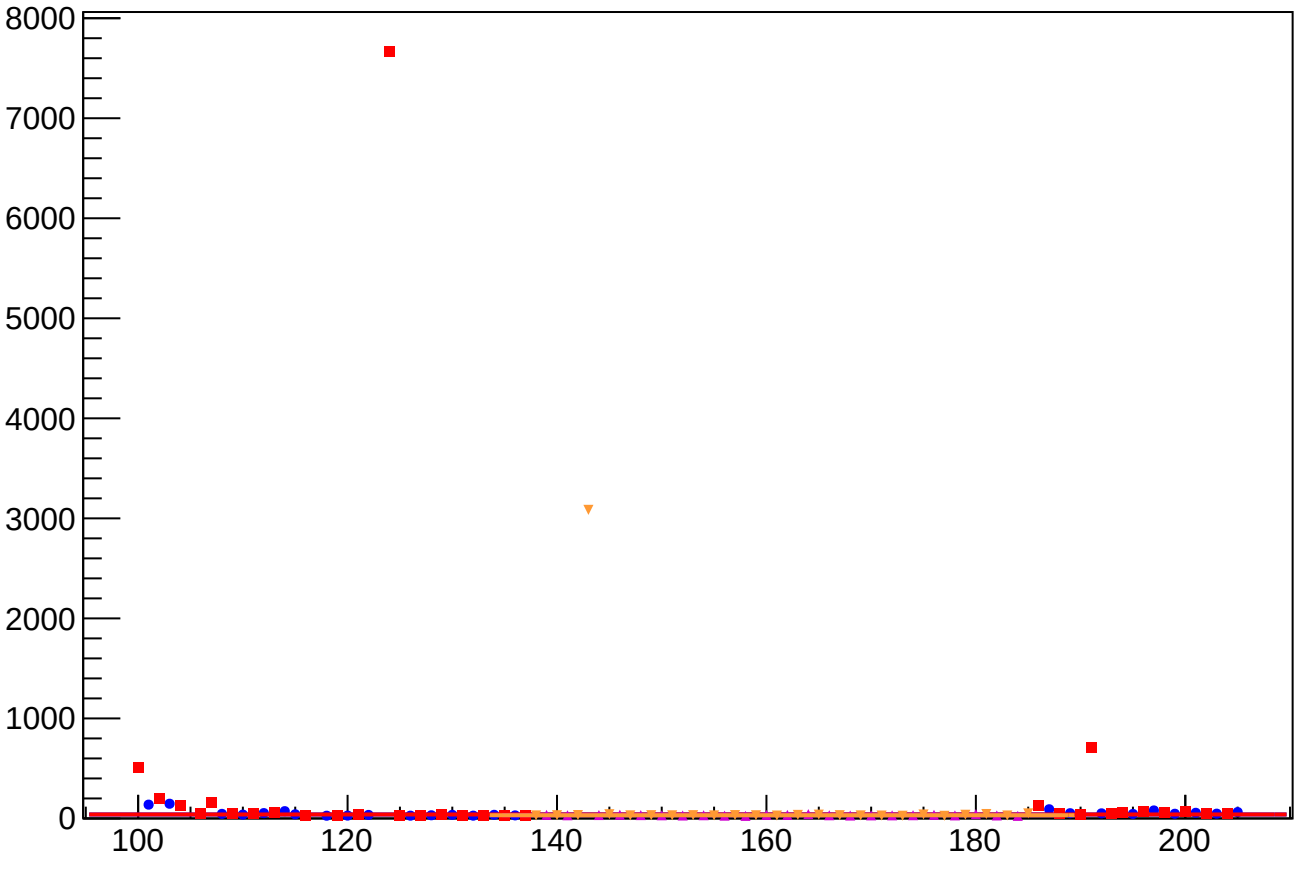
Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

Right: -0.008+/-0.009 χ^2/NDF: 53.8/54

In: -0.005+/-0.007 χ^2/NDF:48.8/47

Out: -0.009+/-0.007 χ^2/NDF:65.5/54

All: -0.007+/-0.005 χ^2/NDF: 114.5/102



Right In: 39.786+/-0.009 χ^2/NDF: 3071715.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247648.2/29

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

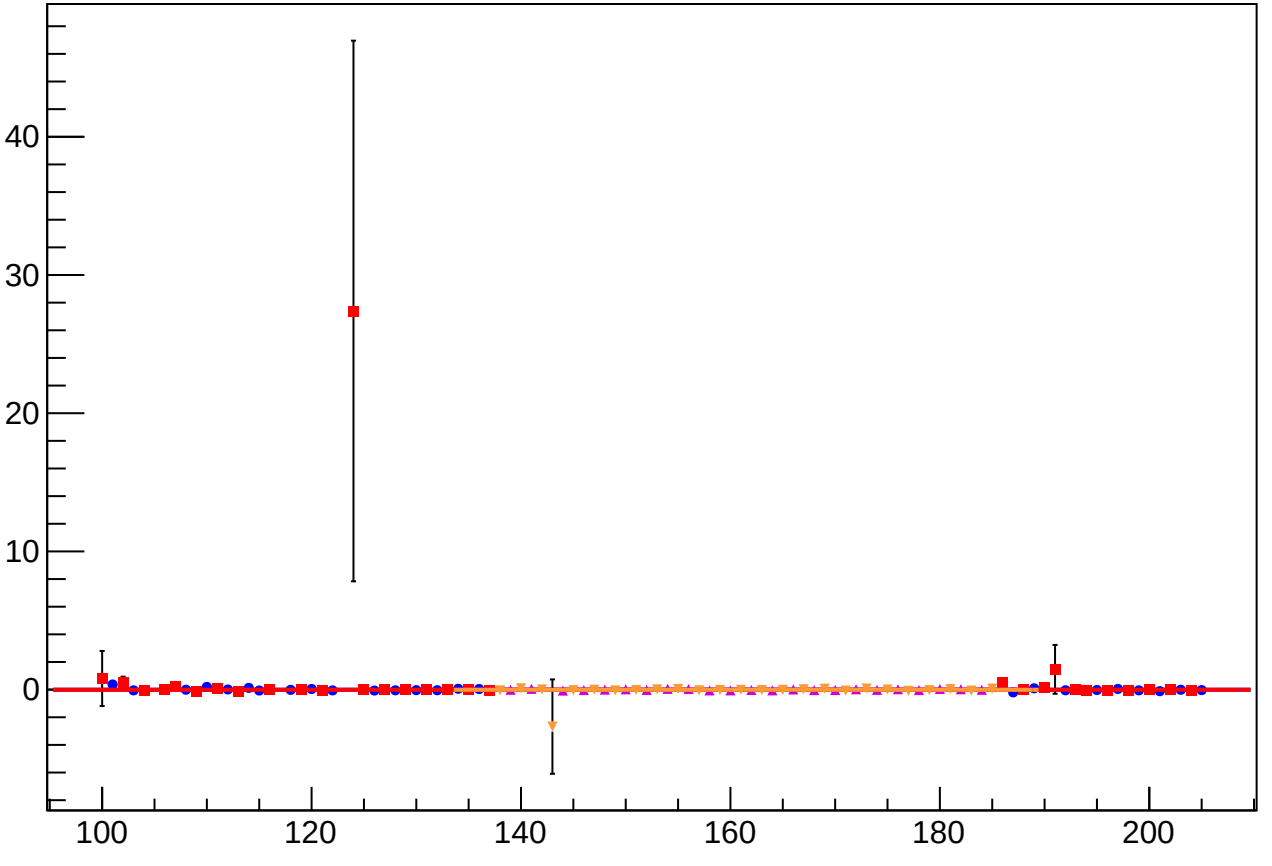
Right: 39.849+/-0.006 χ^2/NDF: 7319465.9/54

In: 34.722+/-0.005 χ^2/NDF:3991340.6/47

Out: 34.657+/-0.005 χ^2/NDF:6904710.2/54

All: 34.689+/-0.003 χ^2/NDF: 10896142.6/102

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

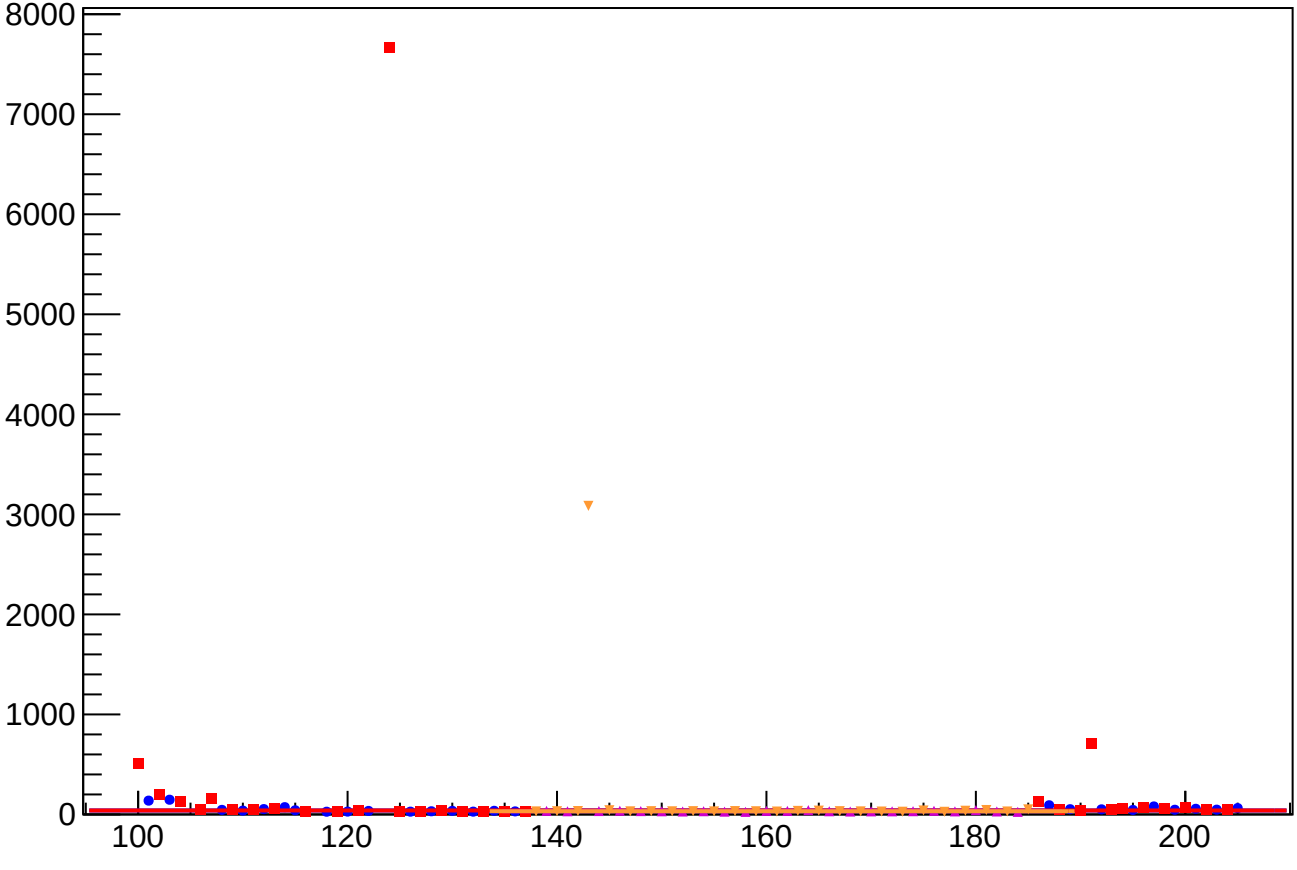
Right: -0.008+/-0.009 χ^2/NDF: 53.8/54

In: -0.005+/-0.007 χ^2/NDF:48.8/47

Out: -0.009+/-0.007 χ^2/NDF:65.5/54

All: -0.007+/-0.005 χ^2/NDF: 114.5/102

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.786+/-0.009 χ^2/NDF: 3071715.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247648.2/29

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

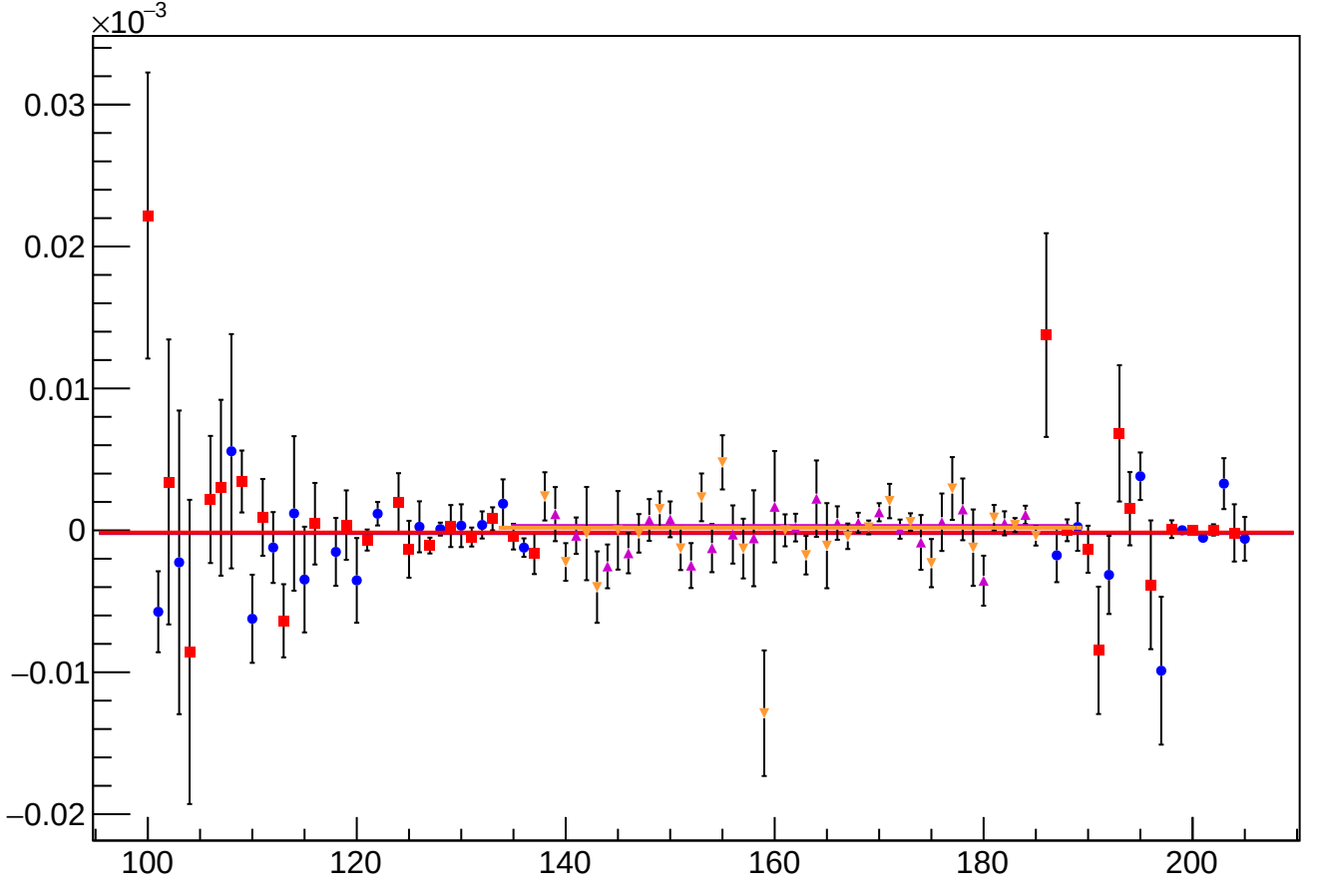
Left: 32.349+/-0.004 χ^2/NDF: 2547318.7/47

Right: 39.849+/-0.006 χ^2/NDF: 7319465.9/54

In: 34.722+/-0.005 χ^2/NDF:3991340.6/47

Out: 34.657+/-0.005 χ^2/NDF:6904710.2/54

All: 34.689+/-0.003 χ^2/NDF: 10896142.6/102



Right In: -0.000+/-0.000 χ^2/NDF: 34.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.9/29

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

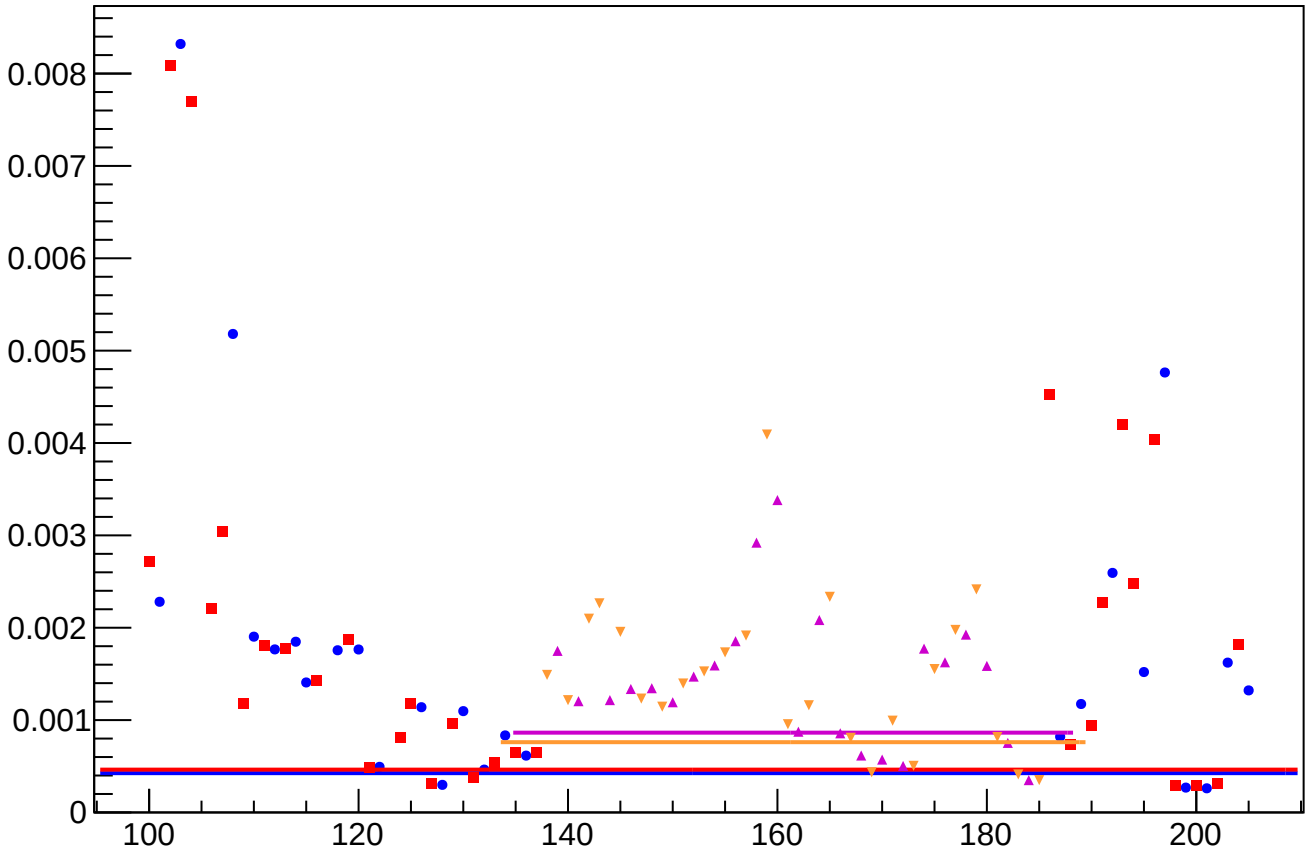
Left: 0.000+/-0.000 χ^2/NDF: 57.9/47

Right: -0.000+/-0.000 χ^2/NDF: 68.8/54

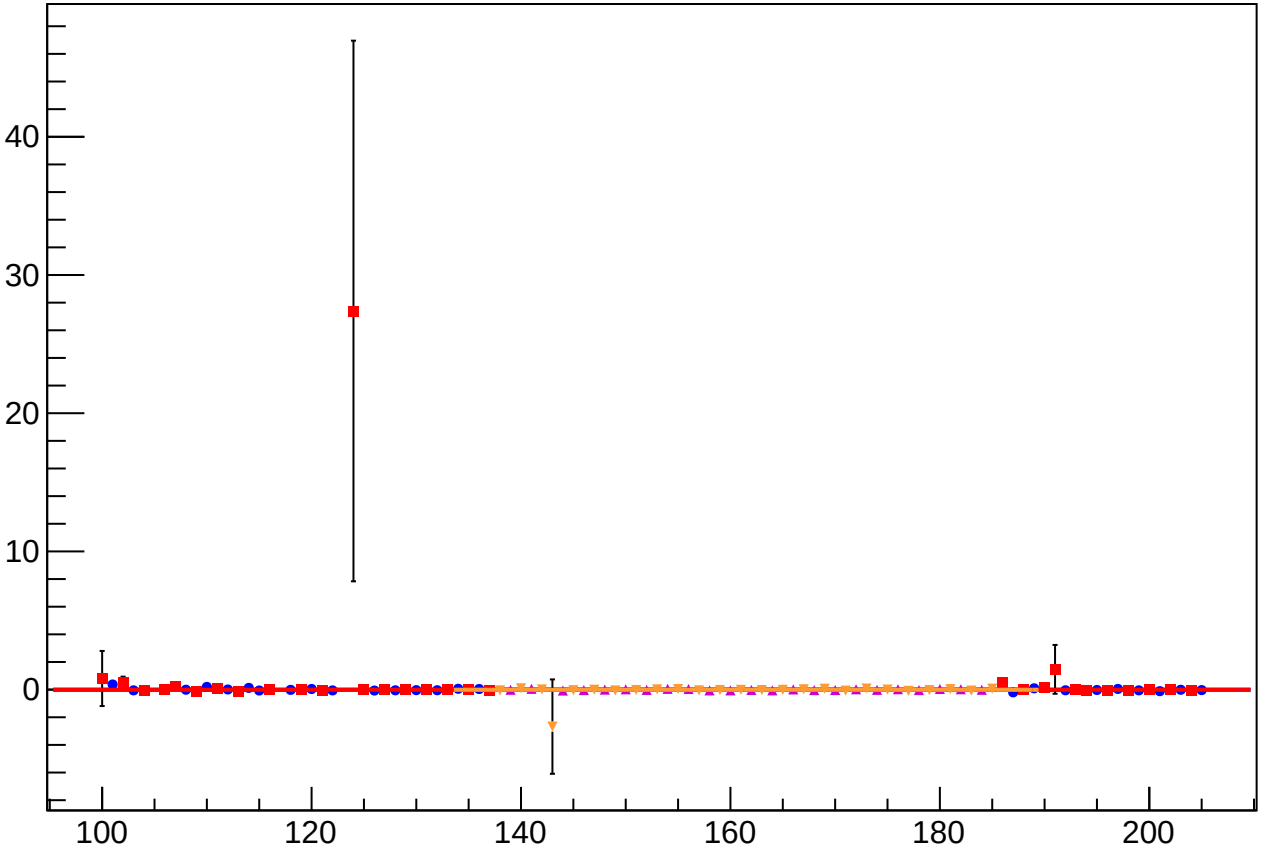
In: -0.000+/-0.000 χ^2/NDF:58.0/47

Out: -0.000+/-0.000 χ^2/NDF:73.0/54

All: -0.000+/-0.000 χ^2/NDF: 131.0/102


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 12845854.5/24
Left Out: 0.001+/-0.000 χ²/NDF:11085699.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 12838158.5/29
Left In: 0.001+/-0.000 χ²/NDF:8440059.8/22
Left: 0.001+/-0.000 χ²/NDF: 19733433.3/47
Right: 0.000+/-0.000 χ²/NDF: 25736371.5/54
In: 0.001+/-0.000 χ²/NDF:25863044.6/47
Out: 0.001+/-0.000 χ²/NDF:26305572.0/54
All: 0.001+/-0.000 χ²/NDF: 52181910.4/102

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

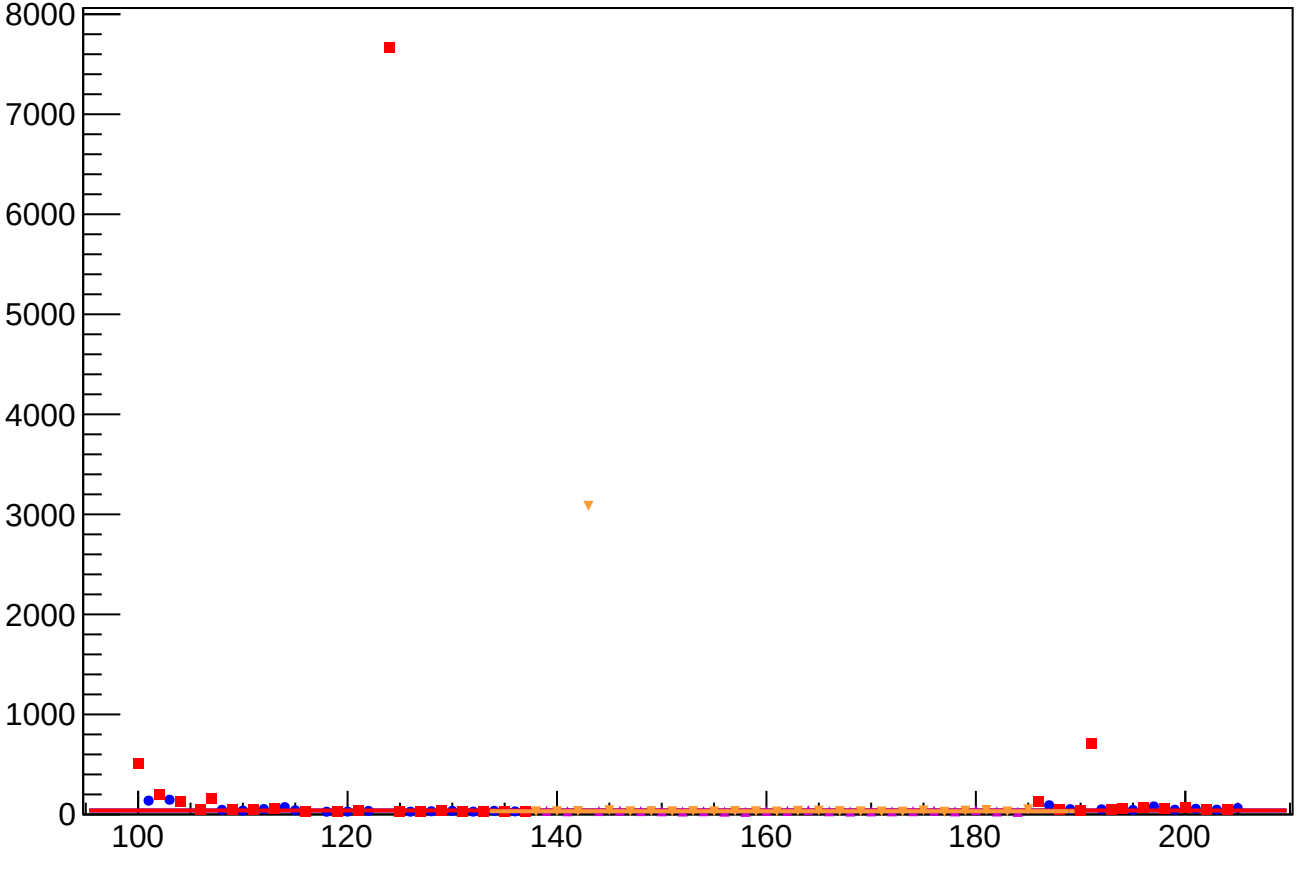
Right: -0.008+/-0.009 χ^2/NDF: 53.8/54

In: -0.005+/-0.007 χ^2/NDF:48.8/47

Out: -0.009+/-0.007 χ^2/NDF:65.5/54

All: -0.007+/-0.005 χ^2/NDF: 114.5/102

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.786+/-0.009 χ^2/NDF: 3071691.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247645.4/29

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

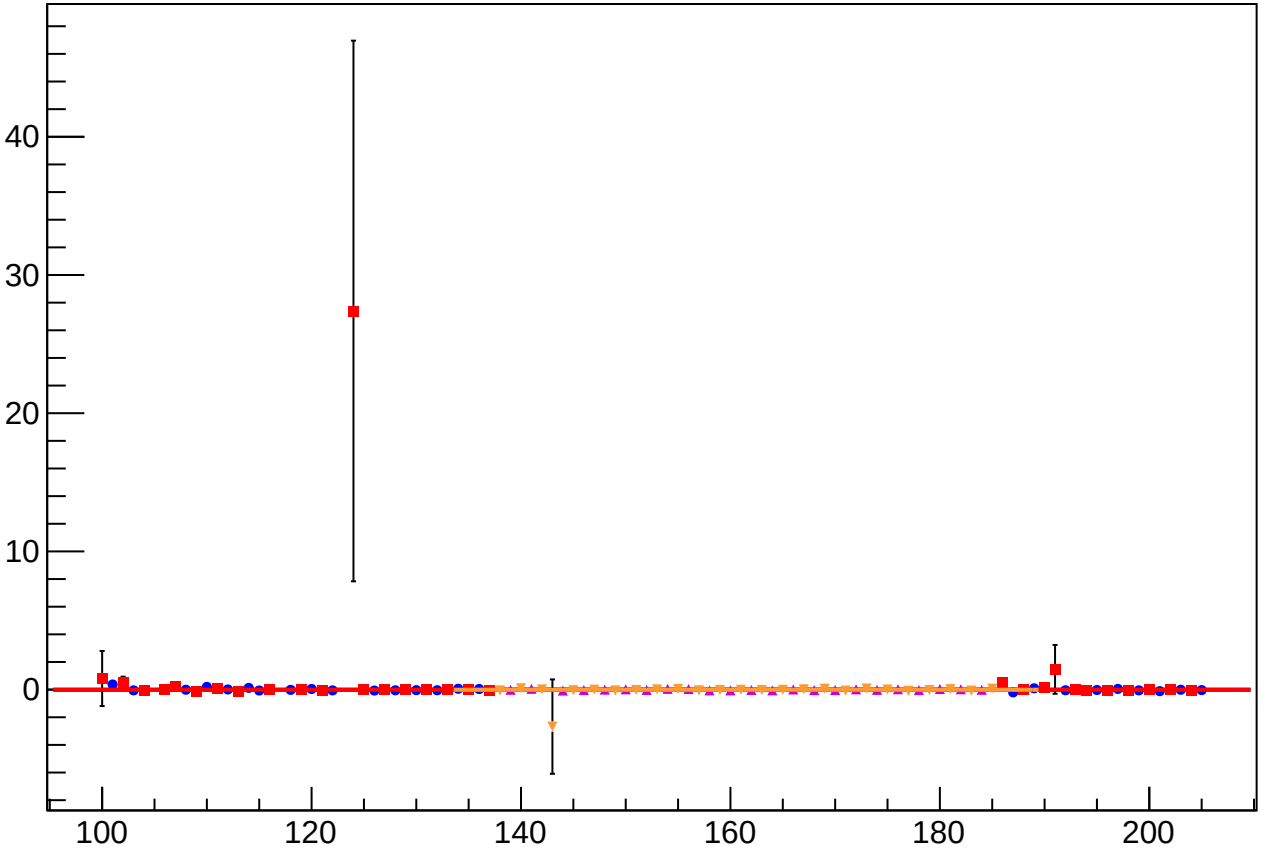
Right: 39.849+/-0.006 χ^2/NDF: 7319439.1/54

In: 34.723+/-0.005 χ^2/NDF:3991194.4/47

Out: 34.657+/-0.005 χ^2/NDF:6904749.6/54

All: 34.689+/-0.003 χ^2/NDF: 10896036.4/102

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: -0.008+/-0.012 χ^2/NDF: 25.9/29

Left In: -0.004+/-0.008 χ^2/NDF:20.8/22

Left: -0.007+/-0.006 χ^2/NDF: 60.7/47

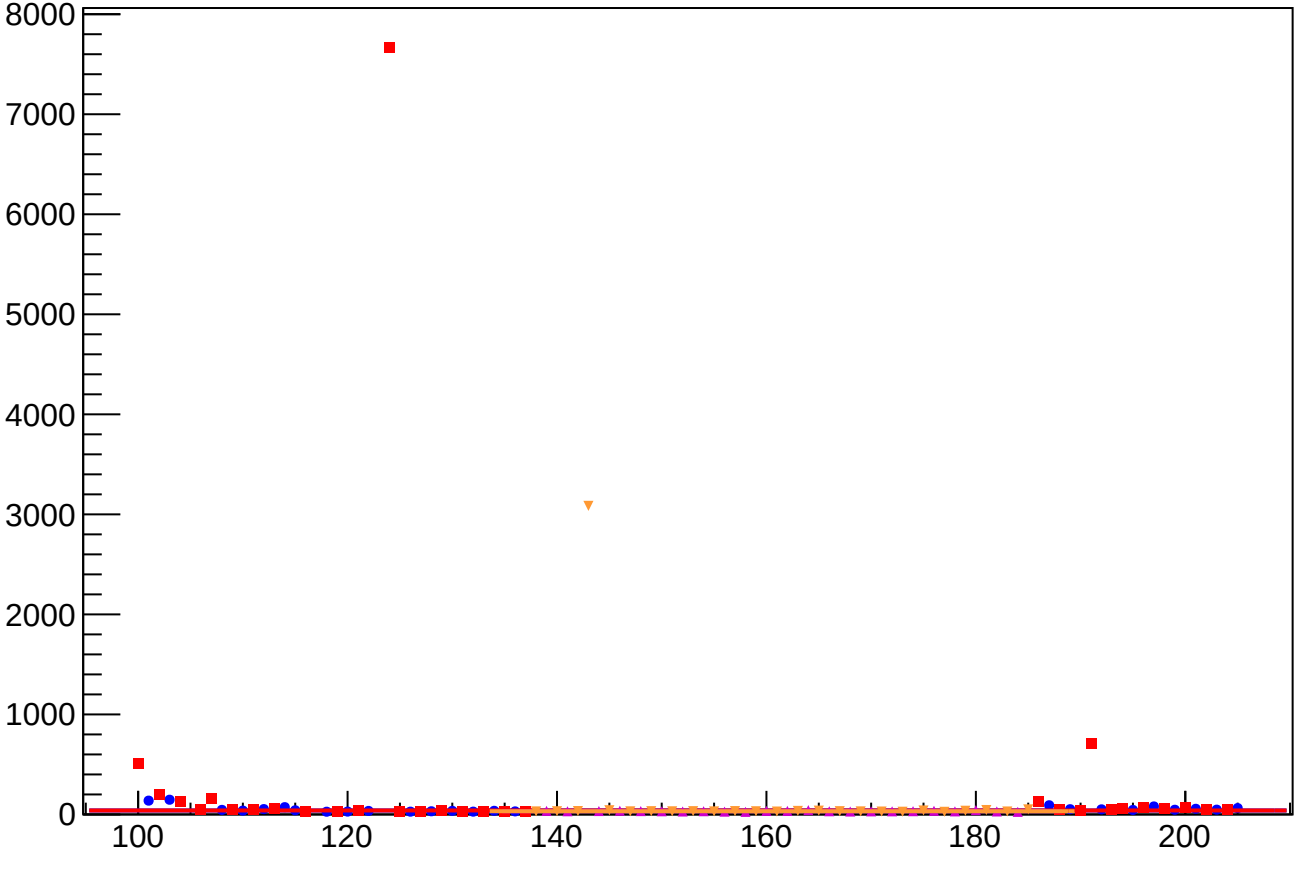
Right: -0.008+/-0.009 χ^2/NDF: 53.8/54

In: -0.005+/-0.007 χ^2/NDF:48.8/47

Out: -0.009+/-0.007 χ^2/NDF:65.5/54

All: -0.007+/-0.005 χ^2/NDF: 114.5/102

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 39.786+/-0.009 χ^2/NDF: 3071691.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

Right Out: 39.911+/-0.009 χ^2/NDF: 4247645.4/29

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

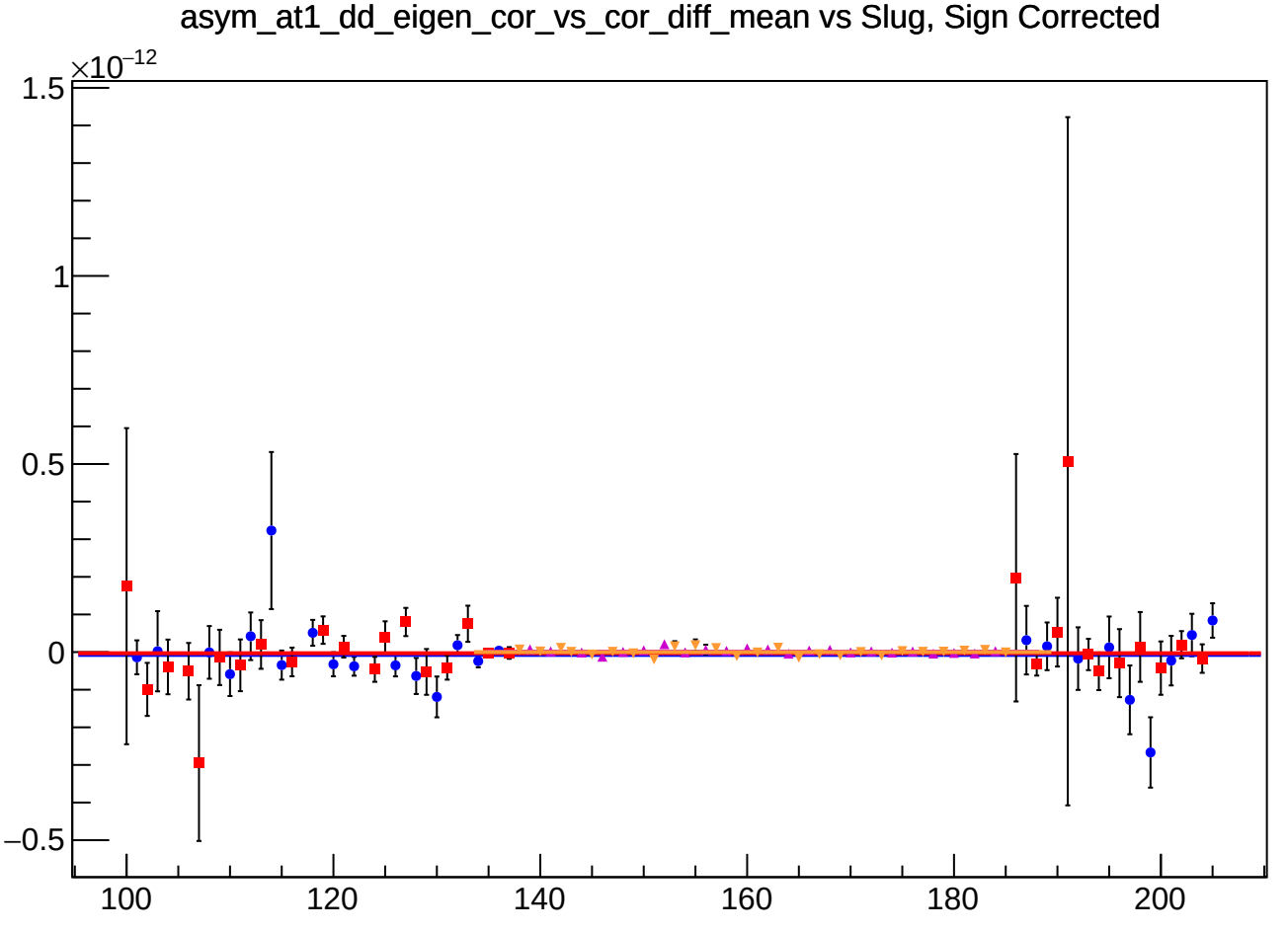
Left: 32.349+/-0.004 χ^2/NDF: 2547279.1/47

Right: 39.849+/-0.006 χ^2/NDF: 7319439.1/54

In: 34.723+/-0.005 χ^2/NDF:3991194.4/47

Out: 34.657+/-0.005 χ^2/NDF:6904749.6/54

All: 34.689+/-0.003 χ^2/NDF: 10896036.4/102



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/29

Left In: 0.000+/-0.000 χ^2/NDF:9.2/22

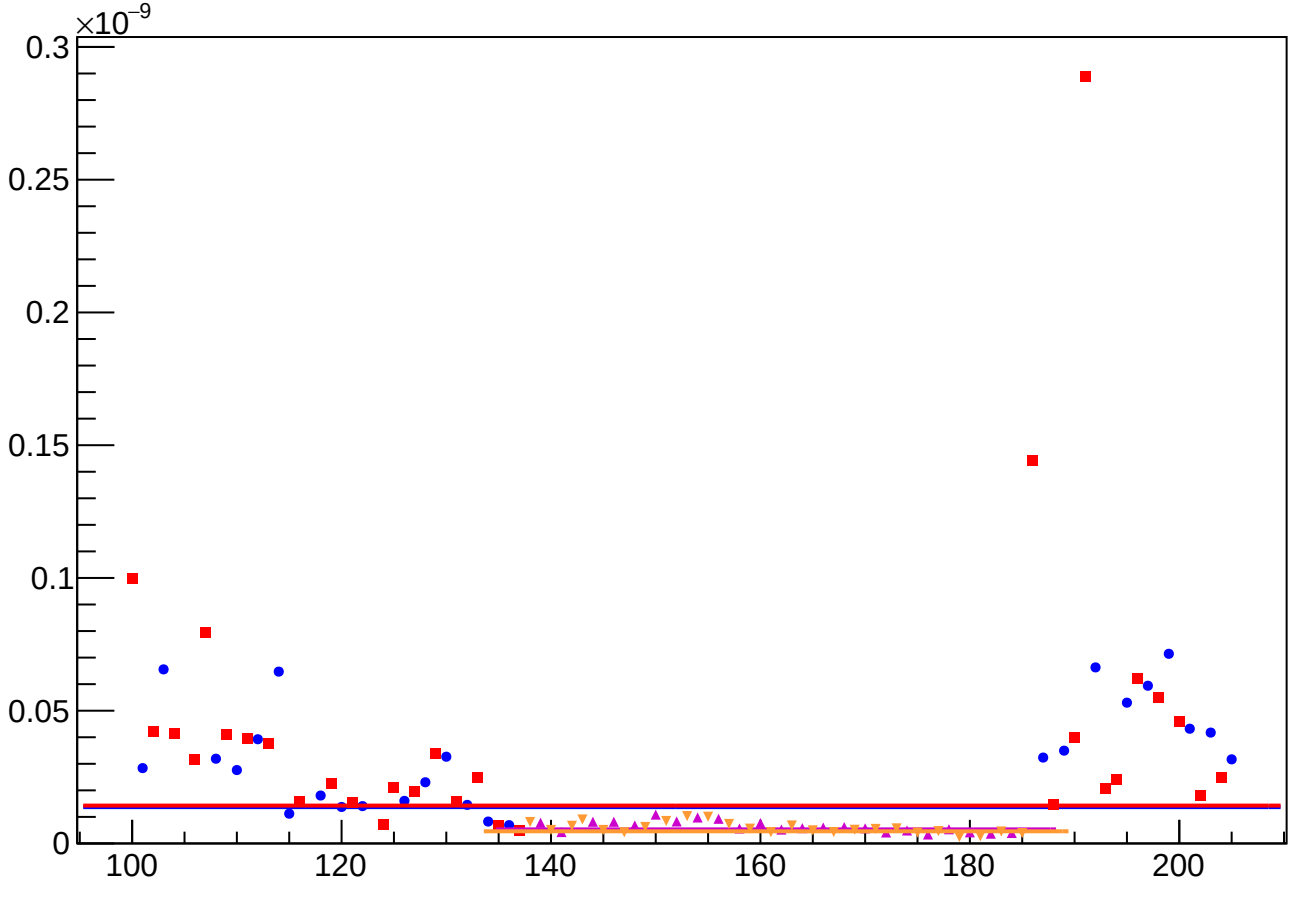
Left: 0.000+/-0.000 χ^2/NDF: 30.5/47

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

In: 0.000+/-0.000 χ^2/NDF:45.0/47

Out: -0.000+/-0.000 χ^2/NDF:46.2/54

All: 0.000+/-0.000 χ^2/NDF: 91.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 7118922.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6216312.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5240558.3/47

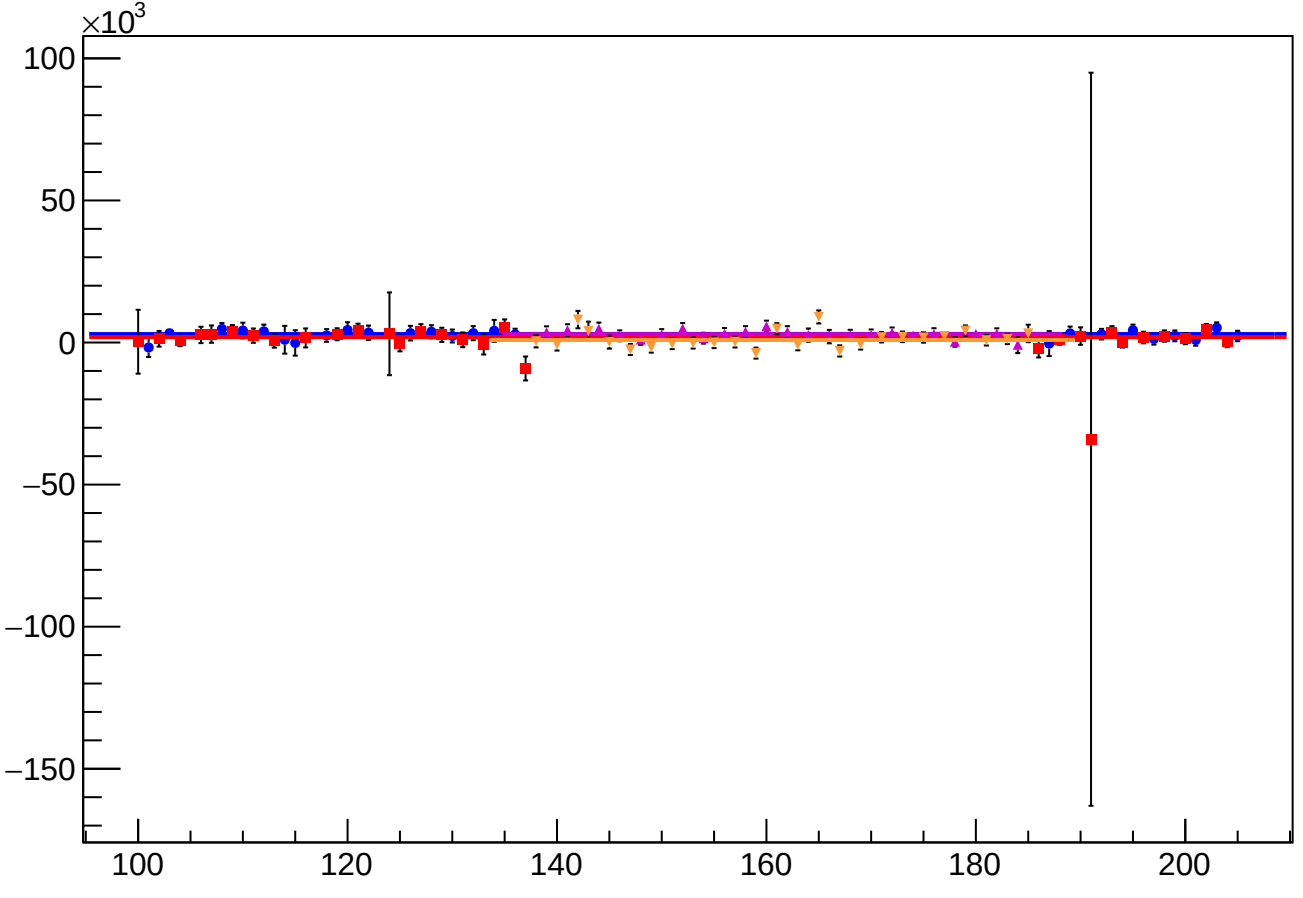
Right: 0.000+/-0.000 χ^2/NDF: 13343249.9/54

In: 0.000+/-0.000 χ^2/NDF:12816044.6/47

Out: 0.000+/-0.000 χ^2/NDF:13145338.1/54

All: 0.000+/-0.000 χ^2/NDF: 26254881.5/102

reg_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2980.330+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: 1895.723+/-452.903 χ^2/NDF: 20.8/29

Left In: 2943.285+/-412.069 χ^2/NDF:10.6/22

Left: 1904.780+/-289.041 χ^2/NDF: 68.3/47

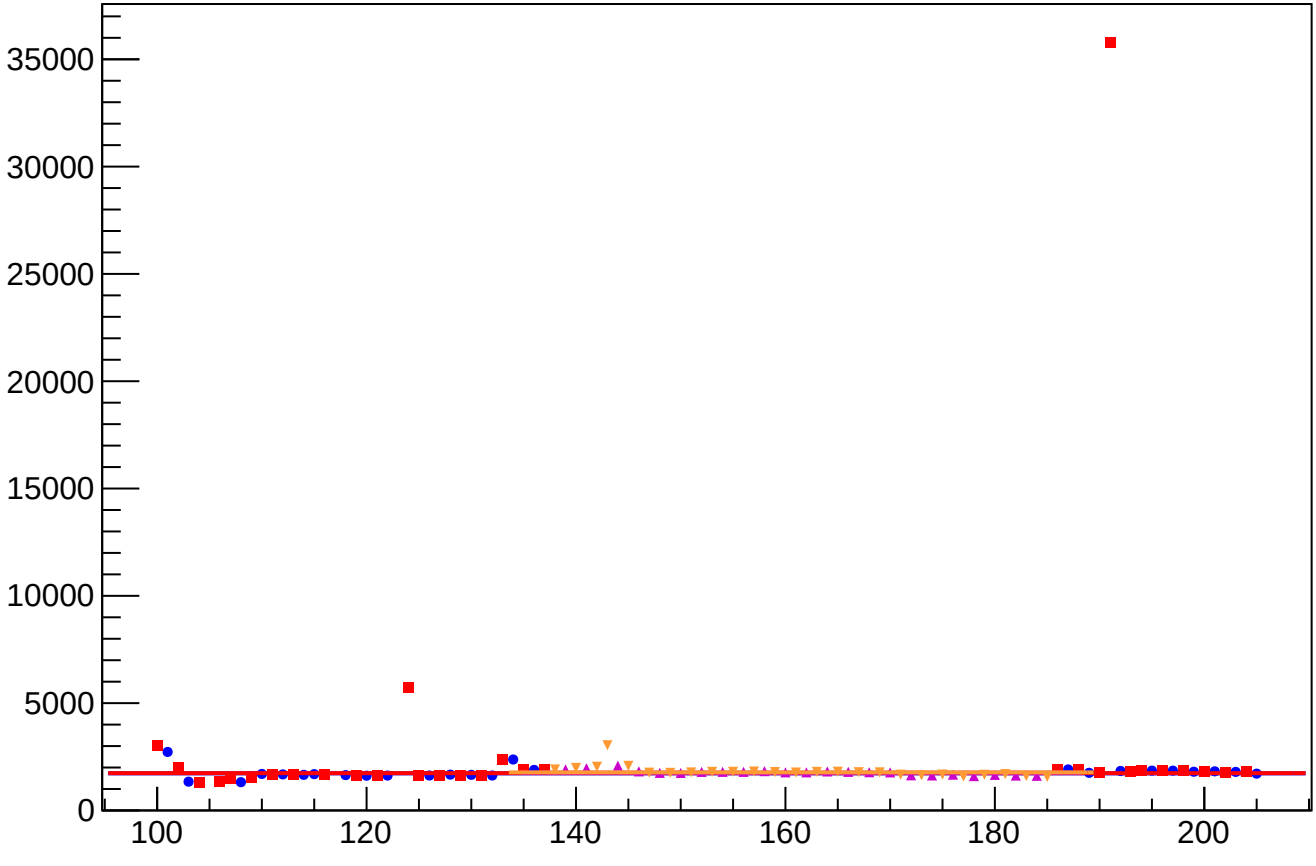
Right: 2424.105+/-324.335 χ^2/NDF: 32.4/54

In: 2959.593+/-308.307 χ^2/NDF:19.3/47

Out: 1342.494+/-302.122 χ^2/NDF:68.7/54

All: 2134.659+/-215.786 χ^2/NDF: 102.1/102

reg_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1728.712+/-0.329 χ^2/NDF: 474345.7/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.6/29

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

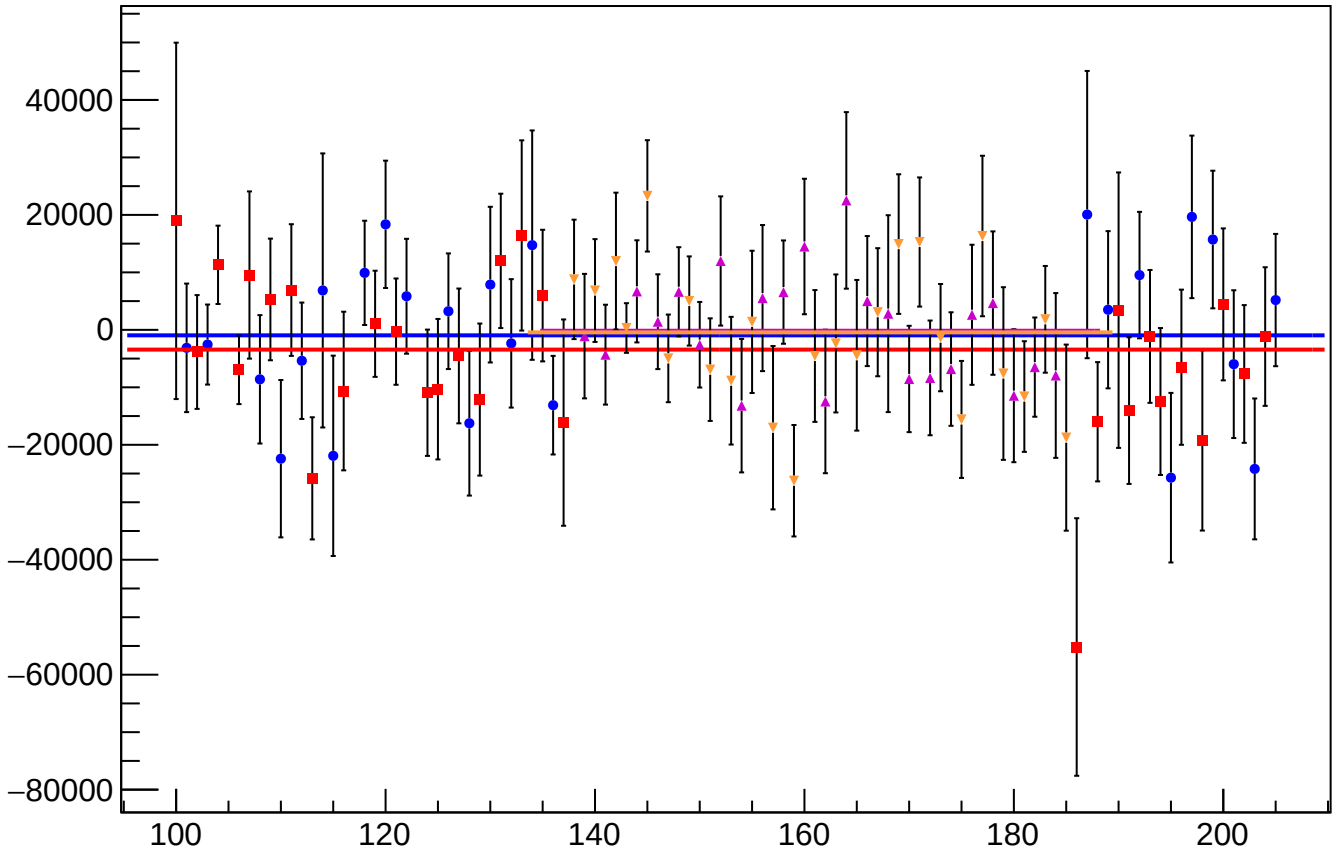
Left: 1768.019+/-0.204 χ^2/NDF: 594275.9/47

Right: 1733.319+/-0.229 χ^2/NDF: 1144353.7/54

In: 1746.836+/-0.218 χ^2/NDF:626047.4/47

Out: 1758.250+/-0.214 χ^2/NDF:1123942.5/54

All: 1752.659+/-0.153 χ^2/NDF: 1751388.4/10



Right In: -956.125+/-2325.684 χ^2/NDF: 27.1/24

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: -3437.618+/-2079.616 χ^2/NDF: 28.2/29

Left In: -155.268+/-2143.489 χ^2/NDF:13.8/22

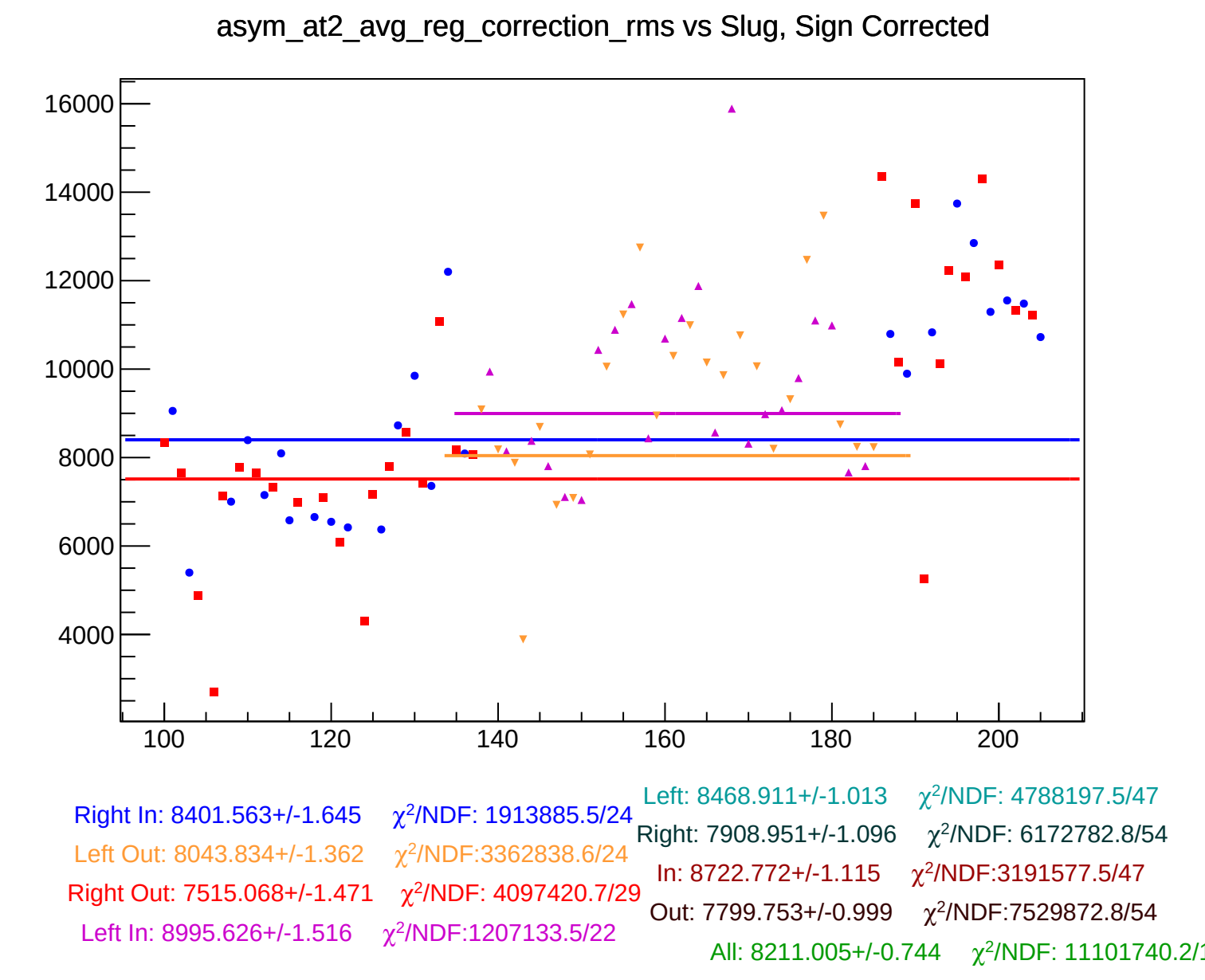
Left: -314.688+/-1432.465 χ^2/NDF: 43.3/47

Right: -2335.050+/-1550.233 χ^2/NDF: 55.9/54

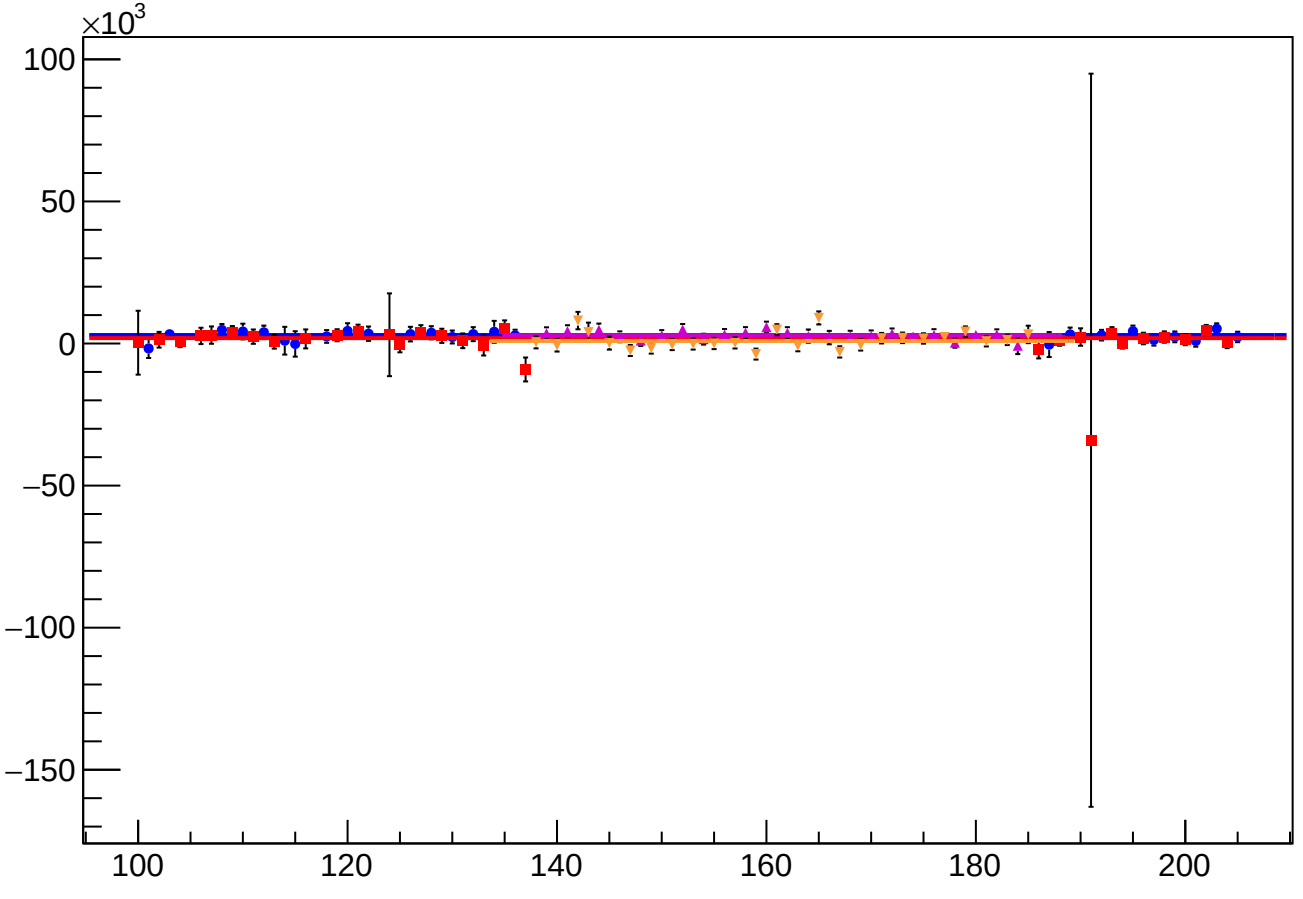
In: -523.102+/-1576.156 χ^2/NDF:40.9/47

Out: -1825.514+/-1412.921 χ^2/NDF:58.8/54

All: -1245.222+/-1052.079 χ^2/NDF: 100.1/10


asym_at2_avg_reg_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8401.563+/-1.645 χ²/NDF: 1913885.5/24
Left Out: 8043.834+/-1.362 χ²/NDF:3362838.6/24
Right Out: 7515.068+/-1.471 χ²/NDF: 4097420.7/29
Left In: 8995.626+/-1.516 χ²/NDF:1207133.5/22
Left: 8468.911+/-1.013 χ²/NDF: 4788197.5/47
Right: 7908.951+/-1.096 χ²/NDF: 6172782.8/54
In: 8722.772+/-1.115 χ²/NDF:3191577.5/47
Out: 7799.753+/-0.999 χ²/NDF:7529872.8/54
All: 8211.005+/-0.744 χ²/NDF: 11101740.2/

cor_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2980.378+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1895.630+/-452.903 χ^2/NDF: 20.8/29

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

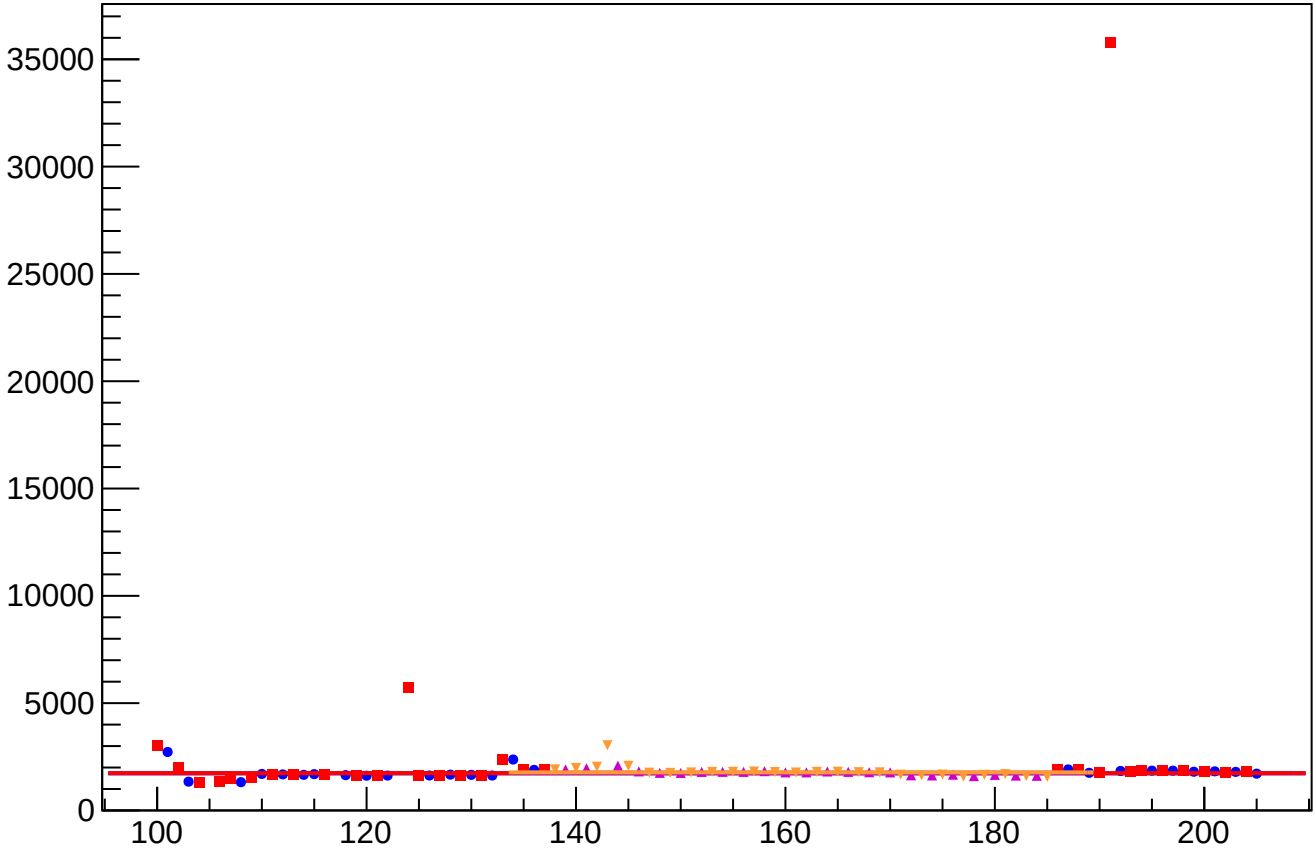
Right: 2424.081+/-324.335 χ^2/NDF: 32.4/54

In: 2959.551+/-308.307 χ^2/NDF:19.3/47

Out: 1342.408+/-302.122 χ^2/NDF:68.8/54

All: 2134.595+/-215.786 χ^2/NDF: 102.1/102

cor_asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 1728.712+/-0.329 χ^2/NDF: 474346.1/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.8/29

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

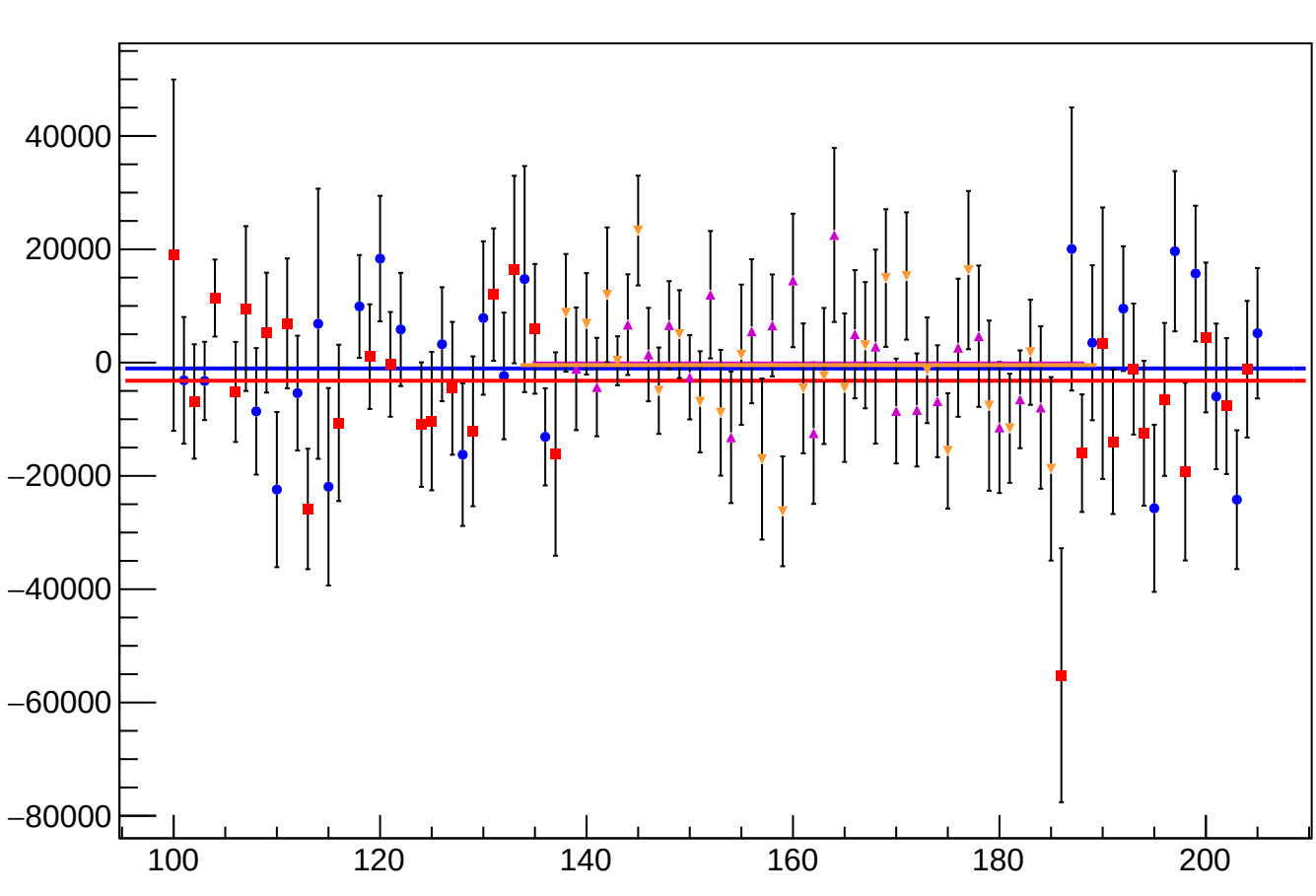
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

Right: 1733.319+/-0.229 χ^2/NDF: 1144354.3/54

In: 1746.836+/-0.218 χ^2/NDF:626047.9/47

Out: 1758.250+/-0.214 χ^2/NDF:1123942.8/54

All: 1752.659+/-0.153 χ^2/NDF: 1751389.1/10



Right In: -1036.144+/-2323.451 χ^2/NDF: 27.1/24

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: -3202.606+/-2153.191 χ^2/NDF: 28.1/29

Left In: -155.239+/-2143.487 χ^2/NDF:13.8/22

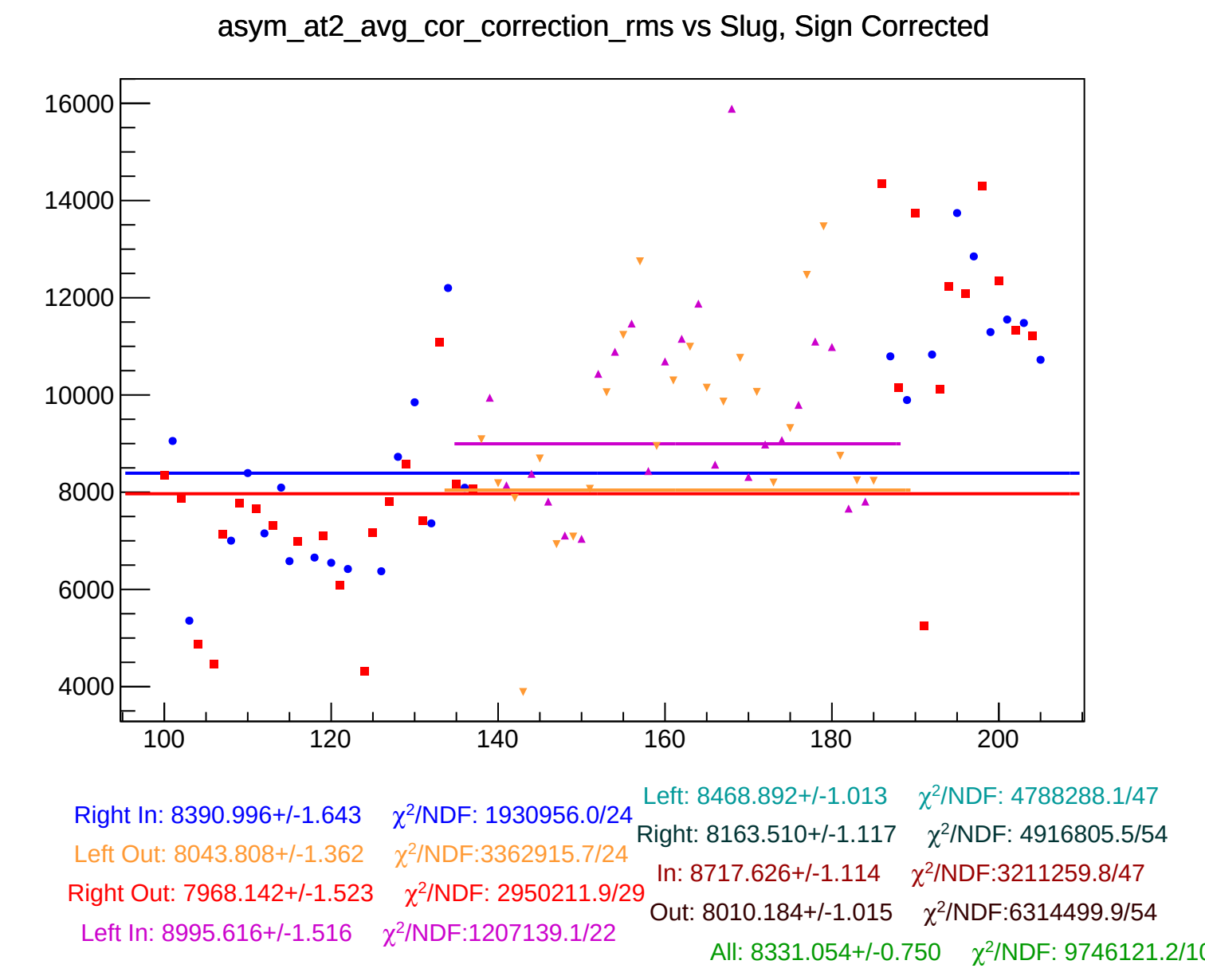
Left: -314.698+/-1432.462 χ^2/NDF: 43.3/47

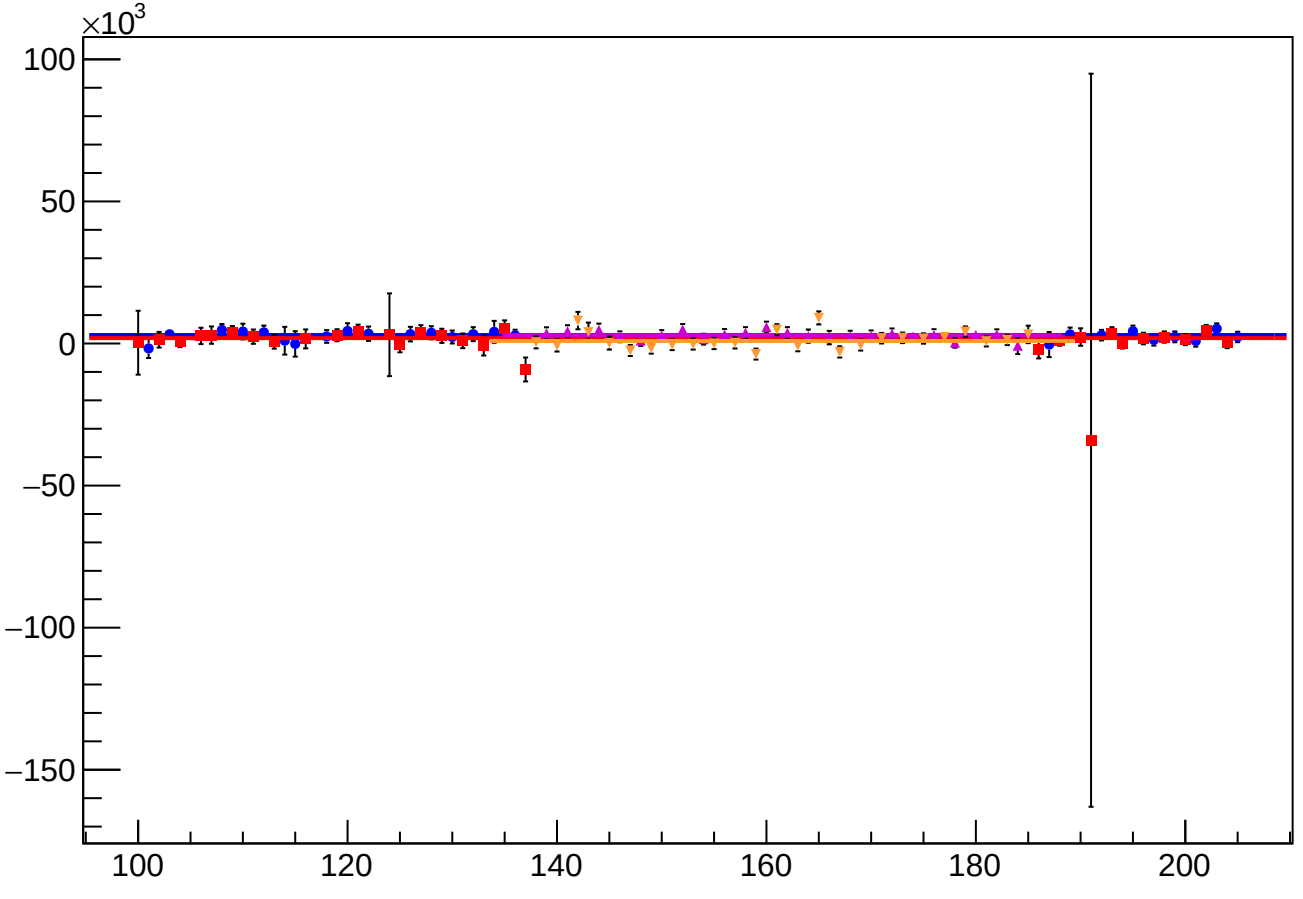
Right: -2201.653+/-1579.301 χ^2/NDF: 55.6/54

In: -560.259+/-1575.460 χ^2/NDF:41.0/47

Out: -1669.514+/-1435.348 χ^2/NDF:58.4/54

All: -1166.395+/-1061.028 χ^2/NDF: 99.7/102


asym_at2_avg_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8390.996+/-1.643 χ²/NDF: 1930956.0/24
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7968.142+/-1.523 χ²/NDF: 2950211.9/29
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8163.510+/-1.117 χ²/NDF: 4916805.5/54
In: 8717.626+/-1.114 χ²/NDF:3211259.8/47
Out: 8010.184+/-1.015 χ²/NDF:6314499.9/54
All: 8331.054+/-0.750 χ²/NDF: 9746121.2/10



Right In: 2980.378+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: 1895.630+/-452.903 χ^2/NDF: 20.8/29

Left In: 2943.173+/-412.069 χ^2/NDF:10.6/22

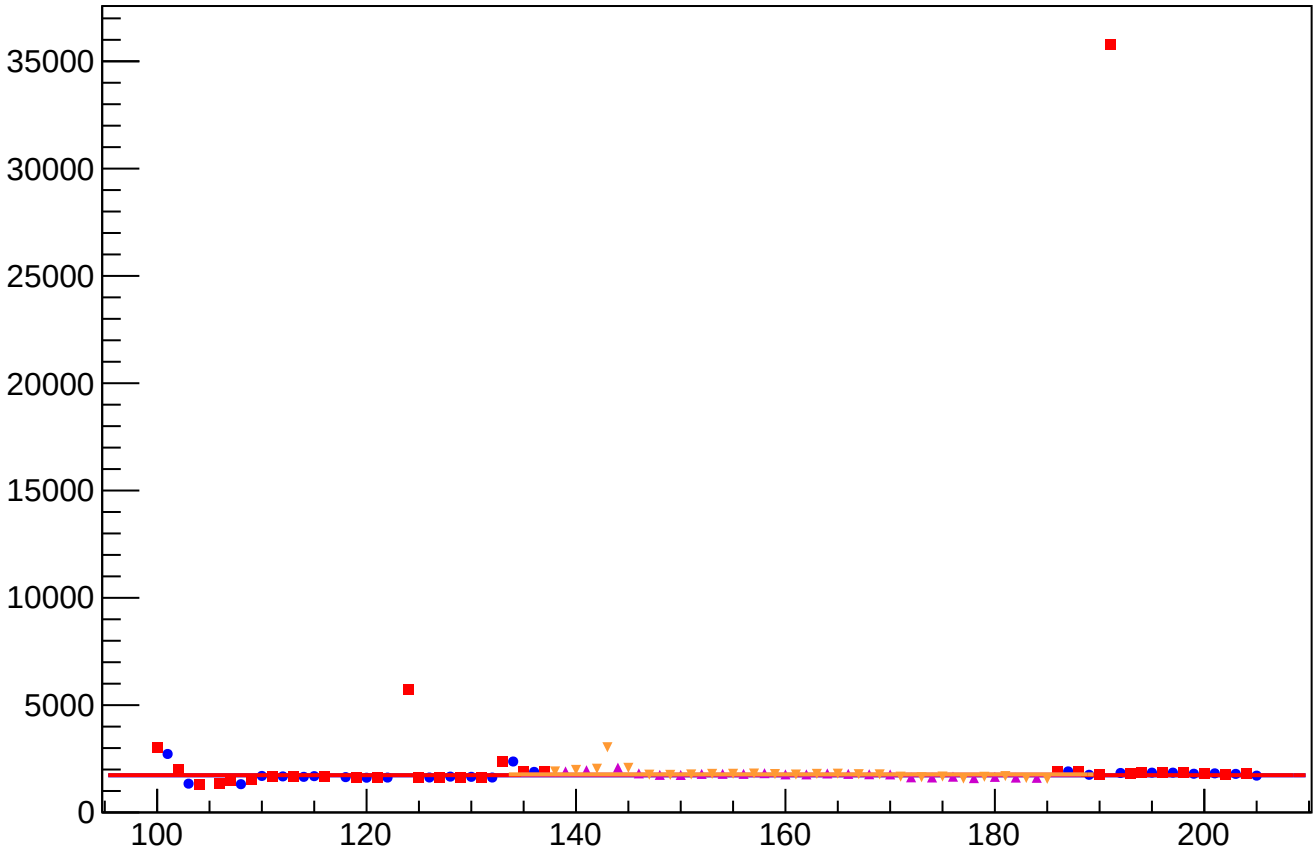
Left: 1904.684+/-289.041 χ^2/NDF: 68.3/47

Right: 2424.081+/-324.335 χ^2/NDF: 32.4/54

In: 2959.551+/-308.307 χ^2/NDF:19.3/47

Out: 1342.408+/-302.122 χ^2/NDF:68.8/54

All: 2134.595+/-215.786 χ^2/NDF: 102.1/102



Right In: 1728.712+/-0.329 χ^2/NDF: 474346.1/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1737.696+/-0.320 χ^2/NDF: 669624.8/29

Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

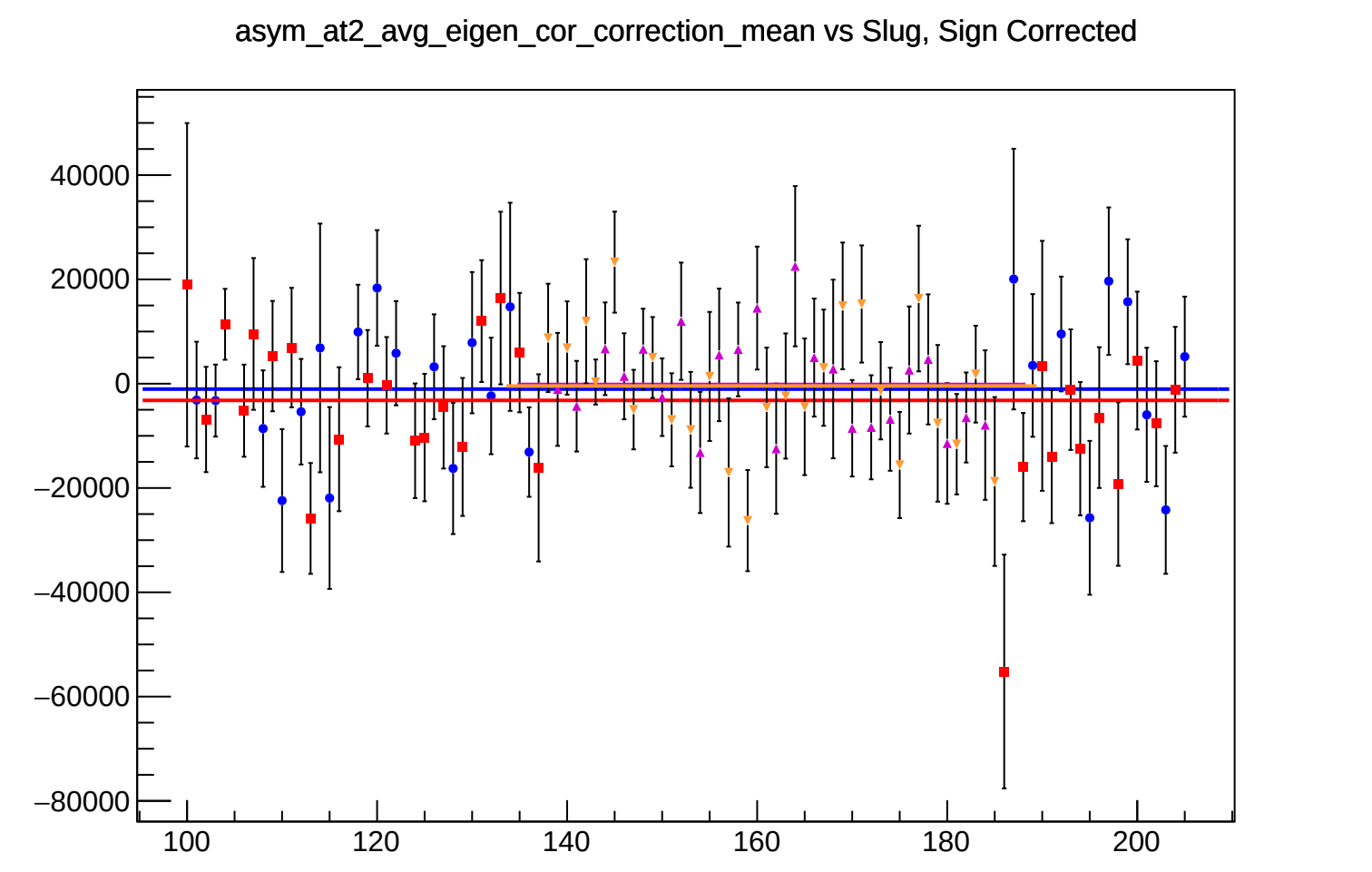
Left: 1768.019+/-0.204 χ^2/NDF: 594275.8/47

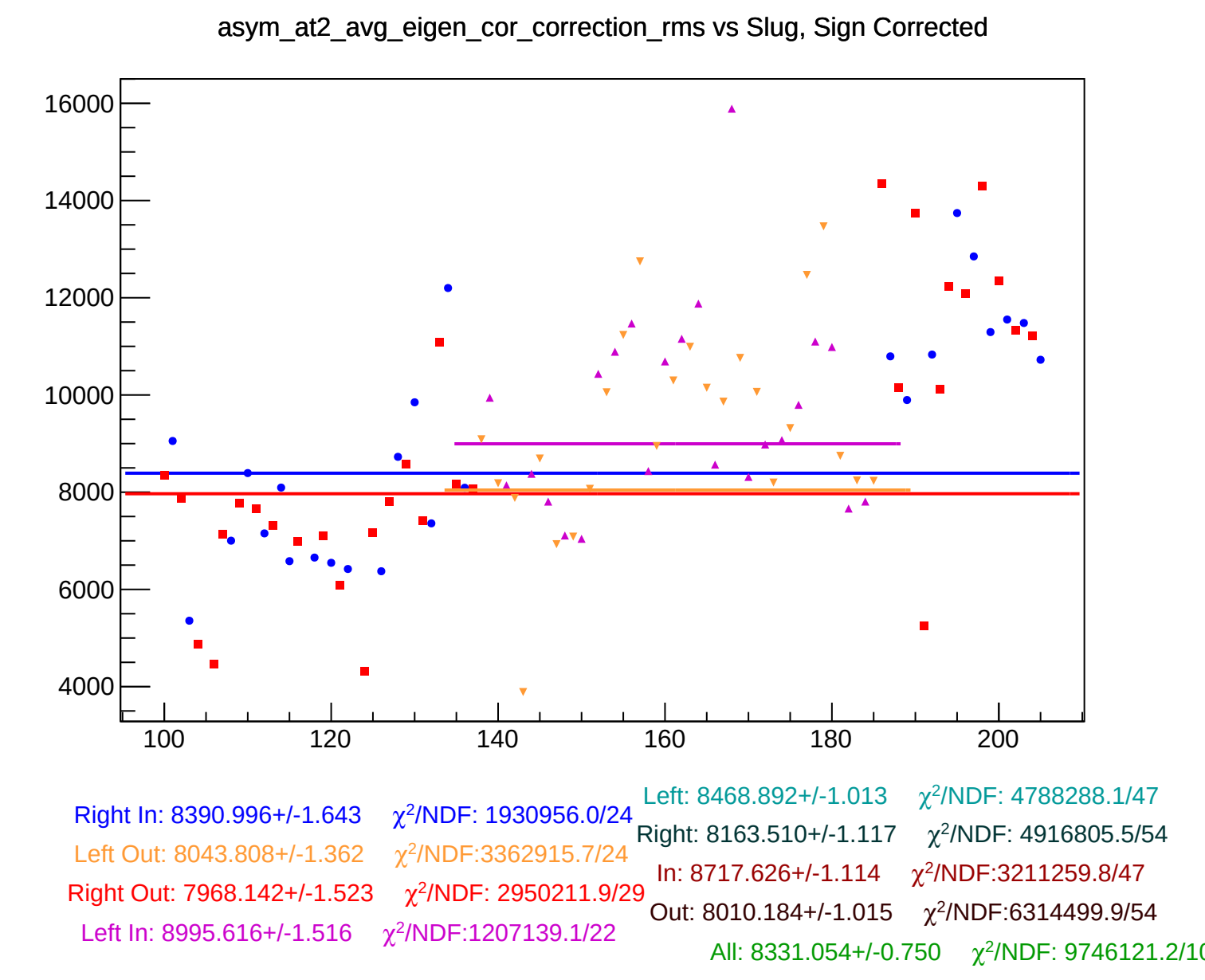
Right: 1733.319+/-0.229 χ^2/NDF: 1144354.3/54

In: 1746.836+/-0.218 χ^2/NDF:626047.9/47

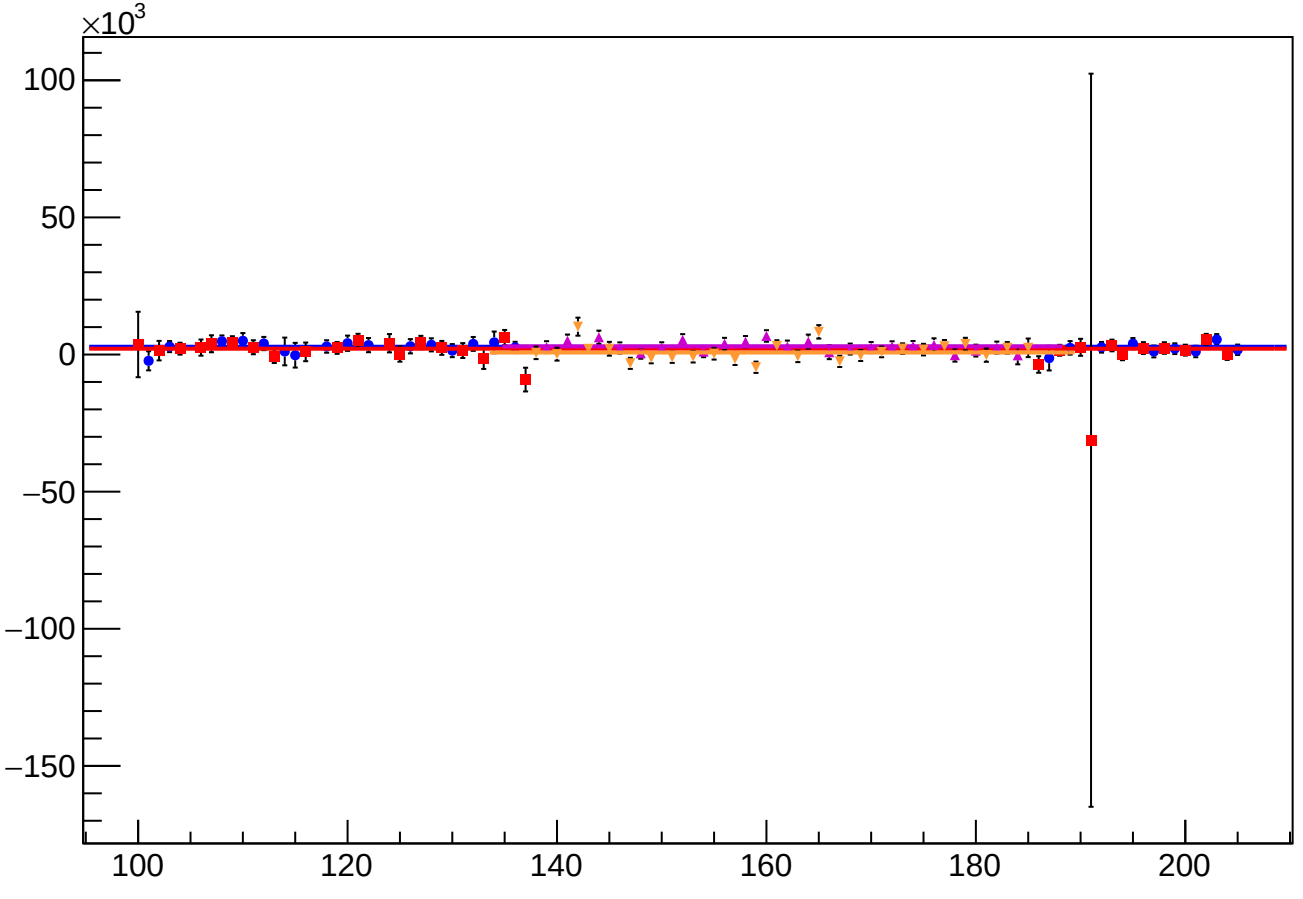
Out: 1758.250+/-0.214 χ^2/NDF:1123942.8/54

All: 1752.659+/-0.153 χ^2/NDF: 1751389.1/10


asym_at2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1036.144+/-2323.451 χ²/NDF: 27.1/24
Left Out: -443.387+/-1925.600 χ²/NDF:29.5/24
Right Out: -3202.606+/-2153.191 χ²/NDF: 28.1/29
Left In: -155.239+/-2143.487 χ²/NDF:13.8/22
Left: -314.698+/-1432.462 χ²/NDF: 43.3/47
Right: -2201.653+/-1579.301 χ²/NDF: 55.6/54
In: -560.259+/-1575.460 χ²/NDF:41.0/47
Out: -1669.514+/-1435.348 χ²/NDF:58.4/54
All: -1166.395+/-1061.028 χ²/NDF: 99.7/102


asym_at2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 8390.996+/-1.643 χ²/NDF: 1930956.0/24
Left Out: 8043.808+/-1.362 χ²/NDF:3362915.7/24
Right Out: 7968.142+/-1.523 χ²/NDF: 2950211.9/29
Left In: 8995.616+/-1.516 χ²/NDF:1207139.1/22
Left: 8468.892+/-1.013 χ²/NDF: 4788288.1/47
Right: 8163.510+/-1.117 χ²/NDF: 4916805.5/54
In: 8717.626+/-1.114 χ²/NDF:3211259.8/47
Out: 8010.184+/-1.015 χ²/NDF:6314499.9/54
All: 8331.054+/-0.750 χ²/NDF: 9746121.2/10

dit_asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 2842.452+/-481.825 χ^2/NDF: 10.2/24

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: 2125.649+/-466.798 χ^2/NDF: 25.7/29

Left In: 2979.225+/-450.334 χ^2/NDF:15.6/22

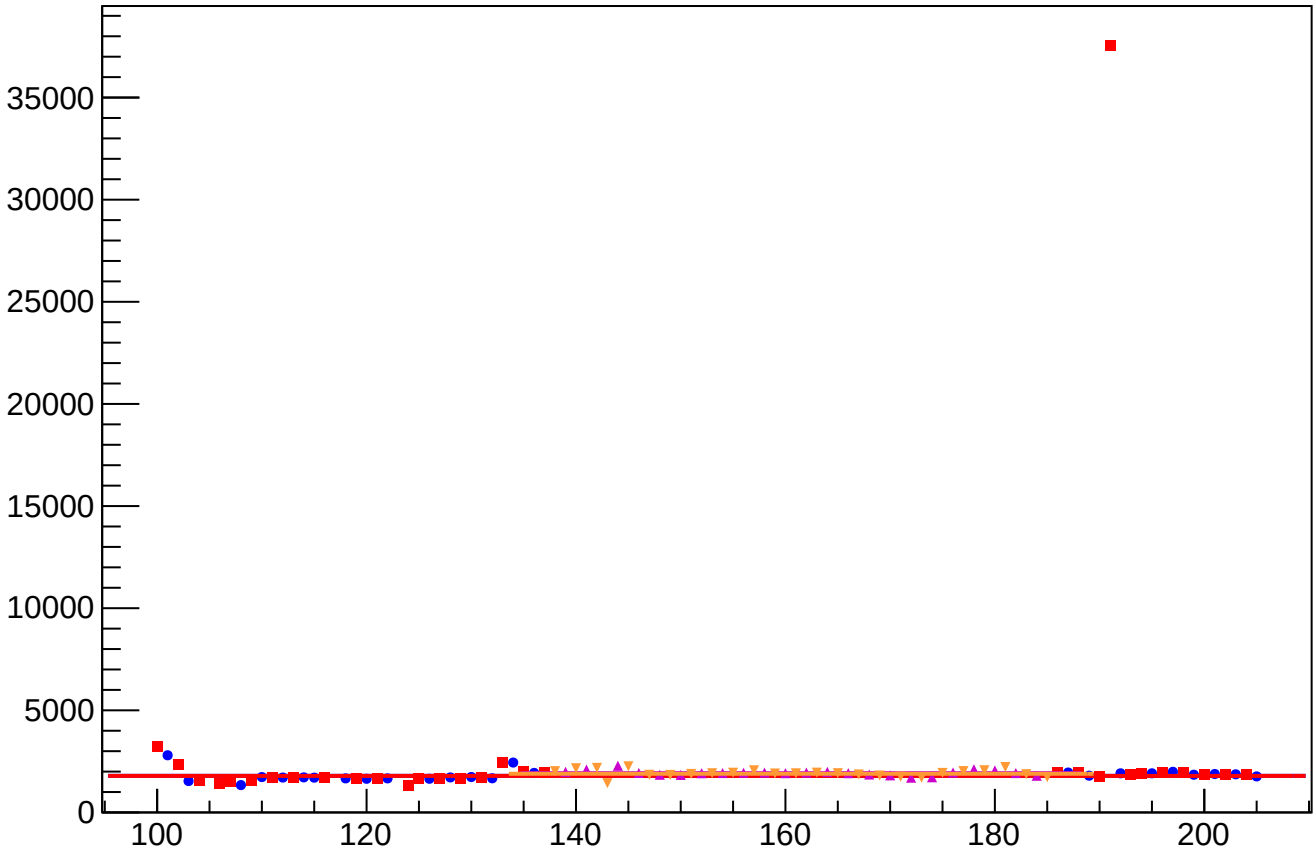
Left: 1814.868+/-312.080 χ^2/NDF: 70.1/47

Right: 2472.699+/-335.263 χ^2/NDF: 37.1/54

In: 2915.454+/-329.004 χ^2/NDF:25.9/47

Out: 1380.134+/-317.406 χ^2/NDF:72.1/54

All: 2120.255+/-228.430 χ^2/NDF: 109.3/102



Right In: 1792.963+/-0.341 χ^2/NDF: 429425.2/24

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1789.305+/-0.330 χ^2/NDF: 537682.3/29

Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

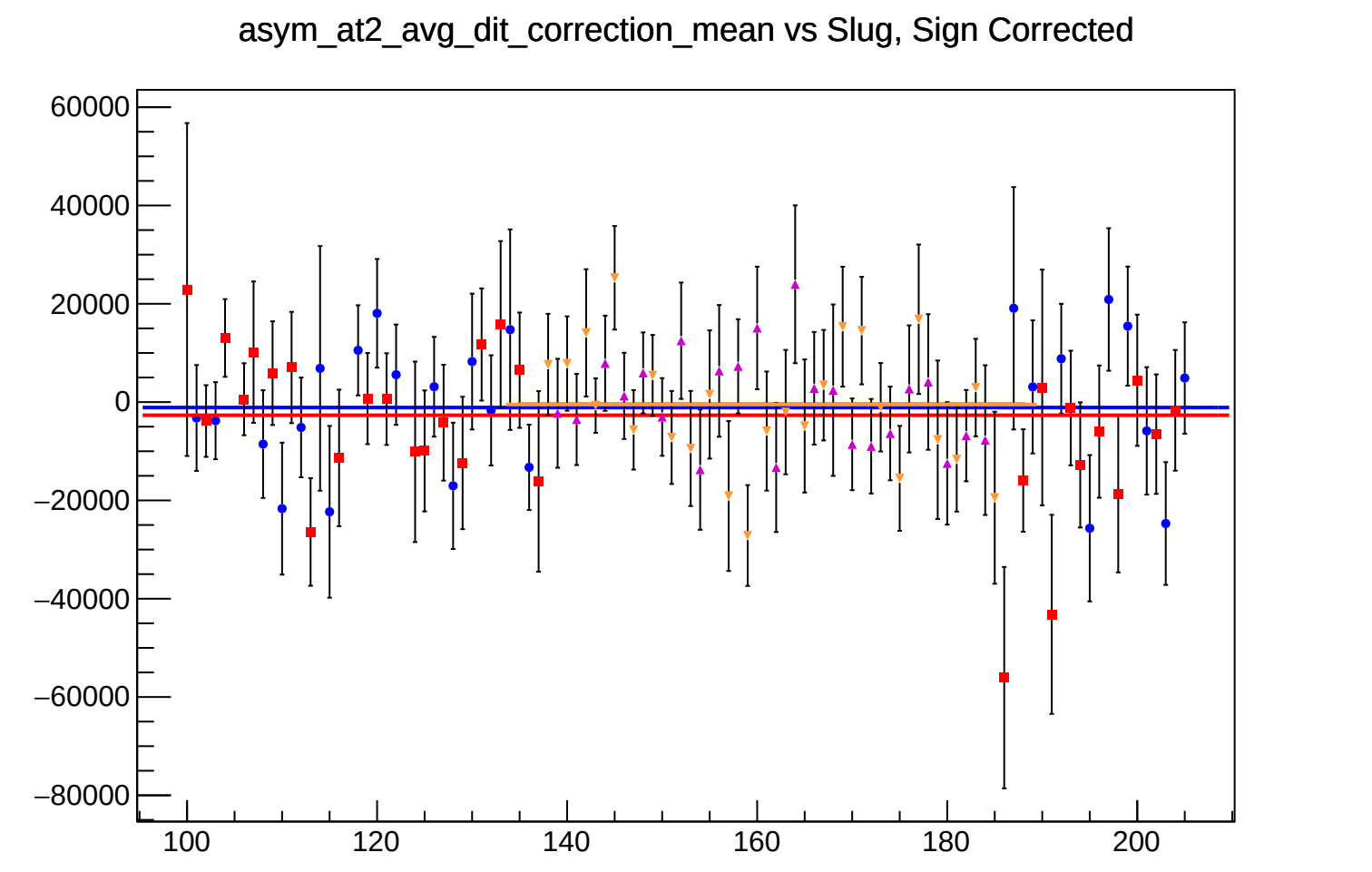
Left: 1908.301+/-0.221 χ^2/NDF: 523685.2/47

Right: 1791.075+/-0.237 χ^2/NDF: 967167.0/54

In: 1862.390+/-0.233 χ^2/NDF:658202.0/47

Out: 1845.951+/-0.224 χ^2/NDF:961081.4/54

All: 1853.875+/-0.162 χ^2/NDF: 1621869.5/10



Right In: -1101.701+/-2363.200 χ^2/NDF: 26.9/24

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: -2672.667+/-2163.569 χ^2/NDF: 30.7/29

Left In: -436.717+/-2245.180 χ^2/NDF:13.6/22

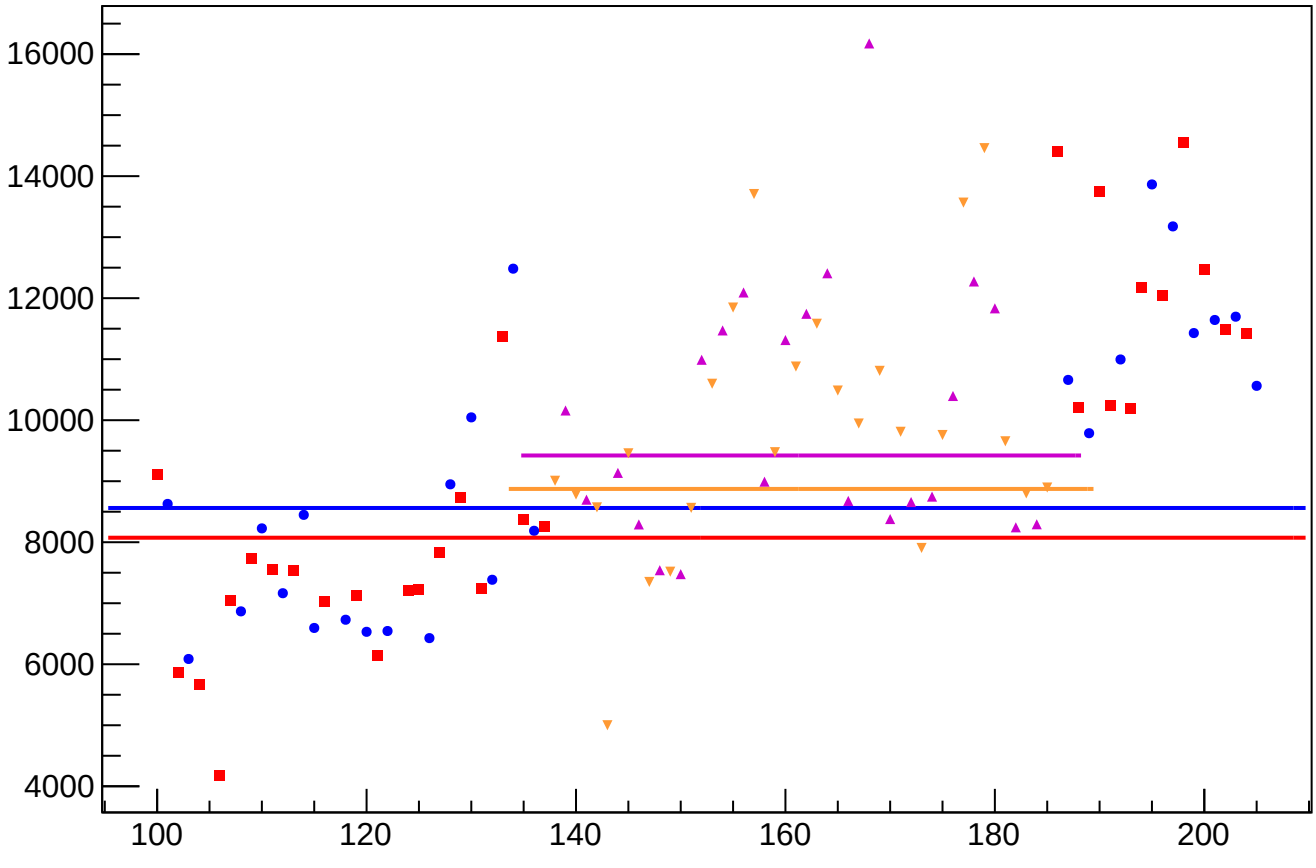
Left: -459.559+/-1529.474 χ^2/NDF: 42.4/47

Right: -1956.329+/-1595.791 χ^2/NDF: 57.8/54

In: -752.190+/-1627.706 χ^2/NDF:40.5/47

Out: -1537.678+/-1502.904 χ^2/NDF:60.0/54

All: -1176.197+/-1104.202 χ^2/NDF: 100.7/10



Right In: 8561.331+/-1.671 χ^2/NDF: 1746131.3/24

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8073.915+/-1.530 χ^2/NDF: 2860149.0/29

Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

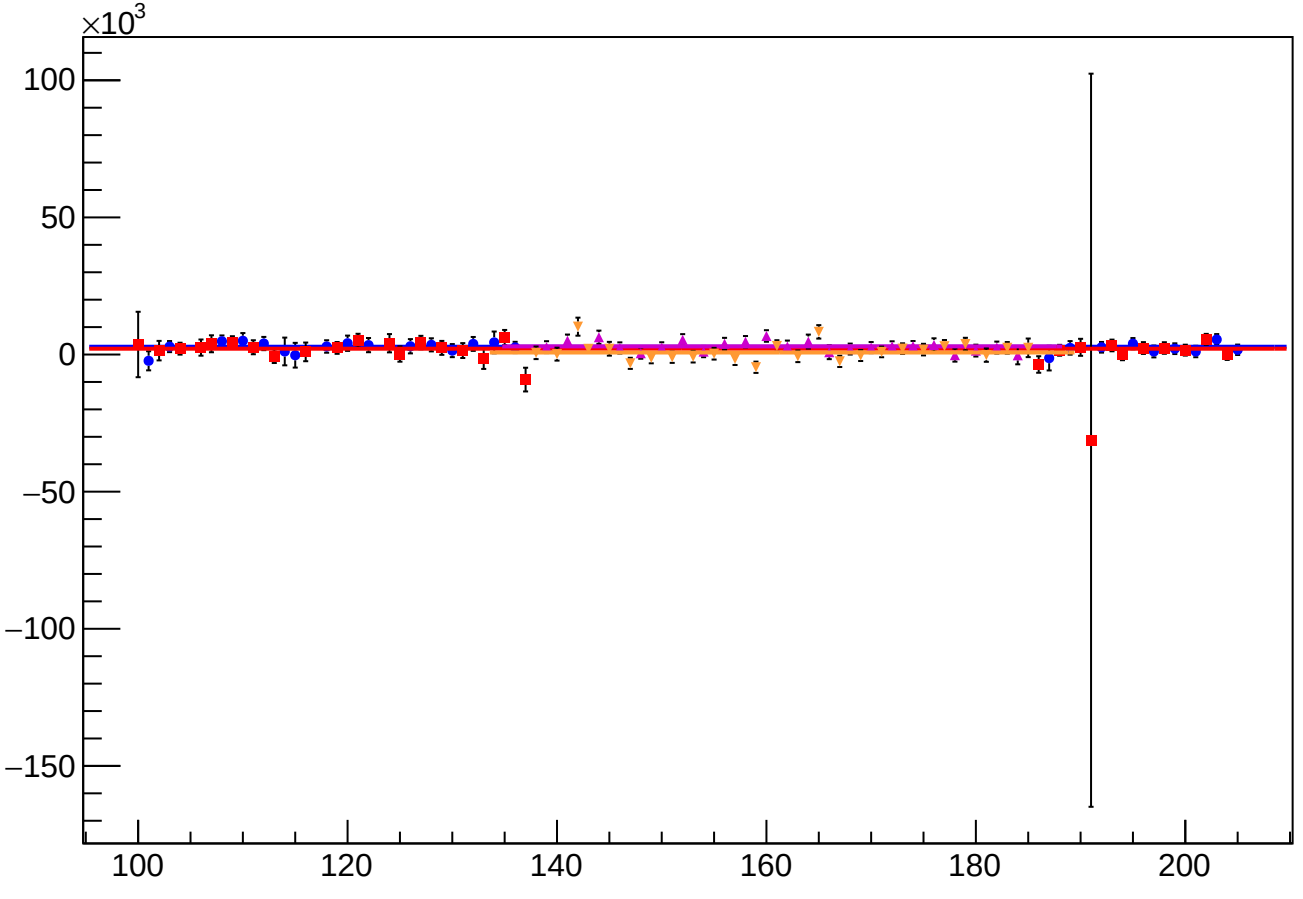
Left: 9127.955+/-1.082 χ^2/NDF: 3471980.0/47

Right: 8296.169+/-1.128 χ^2/NDF: 4652565.3/54

In: 9013.539+/-1.151 χ^2/NDF:3090313.1/47

Out: 8487.727+/-1.063 χ^2/NDF:5204784.8/54

All: 8729.704+/-0.781 χ^2/NDF: 8407758.9/10



Right In: 2842.448+/-481.825 χ^2/NDF: 10.2/24

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: 2125.652+/-466.798 χ^2/NDF: 25.7/29

Left In: 2979.226+/-450.335 χ^2/NDF:15.6/22

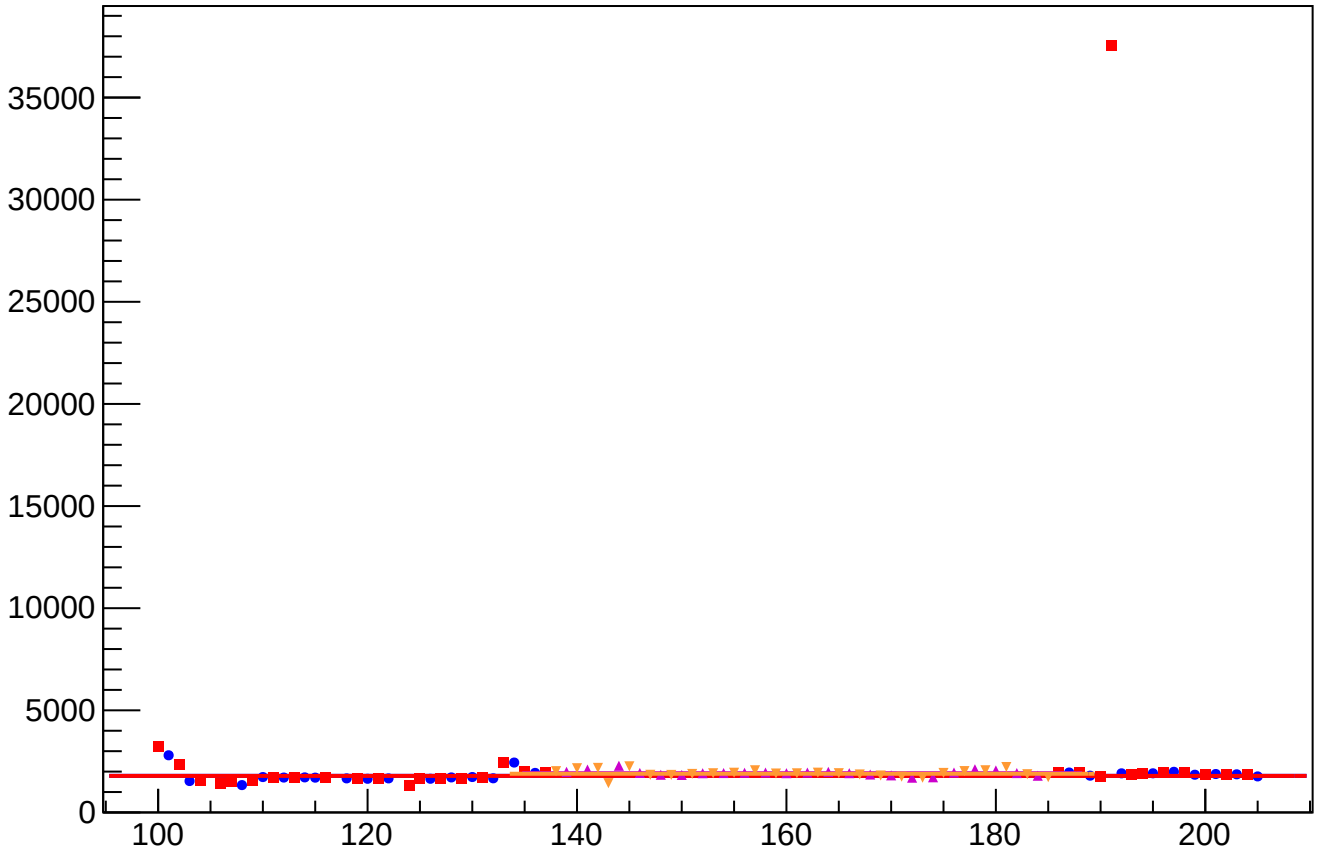
Left: 1814.862+/-312.080 χ^2/NDF: 70.1/47

Right: 2472.698+/-335.263 χ^2/NDF: 37.1/54

In: 2915.452+/-329.005 χ^2/NDF:25.9/47

Out: 1380.131+/-317.406 χ^2/NDF:72.1/54

All: 2120.252+/-228.430 χ^2/NDF: 109.3/102



Right In: 1792.962+/-0.341 χ^2/NDF: 429426.0/24

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1789.305+/-0.330 χ^2/NDF: 537683.9/29

Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

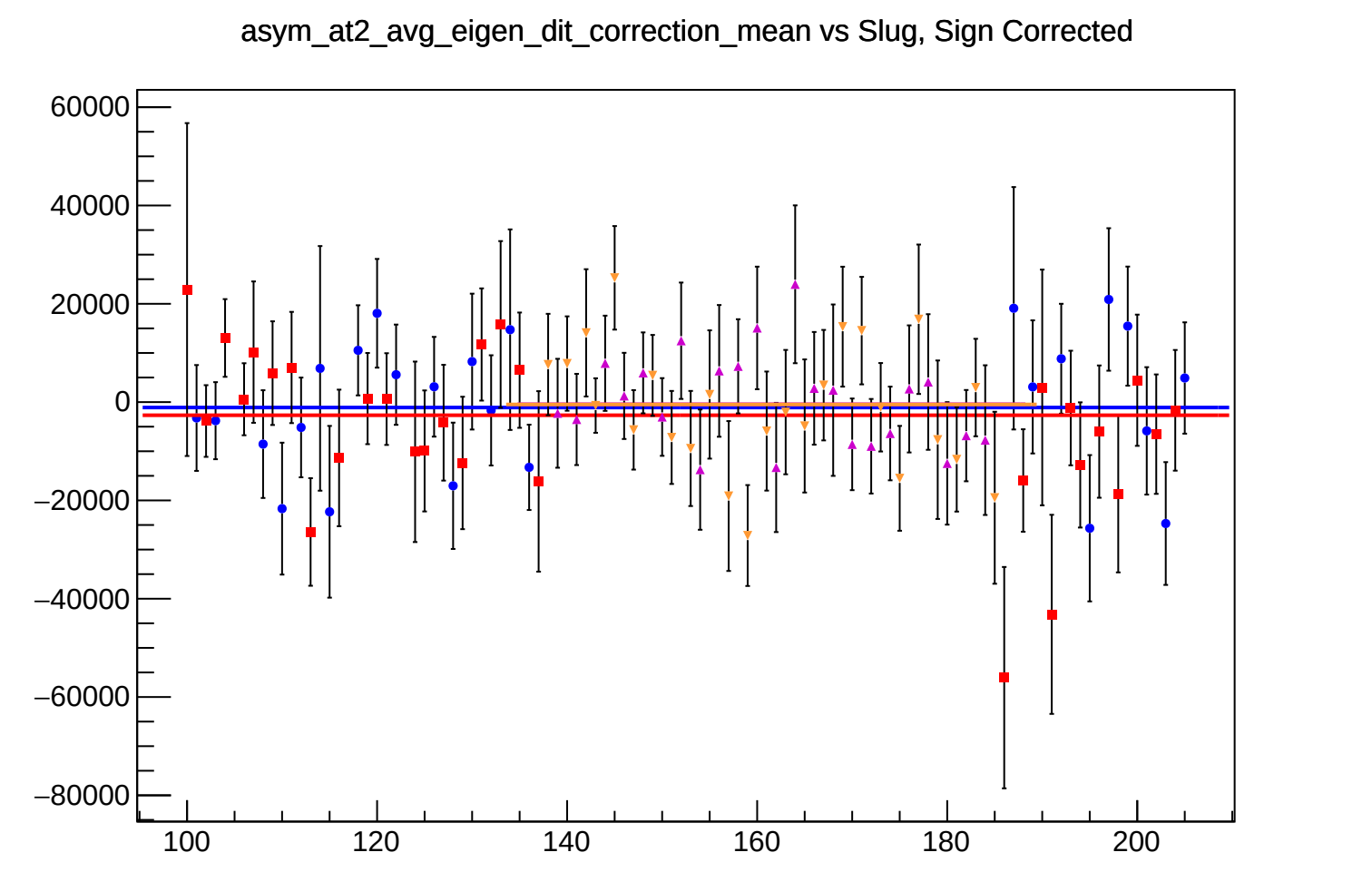
Left: 1908.304+/-0.221 χ^2/NDF: 523700.4/47

Right: 1791.075+/-0.237 χ^2/NDF: 967169.4/54

In: 1862.391+/-0.233 χ^2/NDF:658214.5/47

Out: 1845.953+/-0.224 χ^2/NDF:961093.5/54

All: 1853.877+/-0.162 χ^2/NDF: 1621894.1/10



Right In: -1101.688+/-2363.197 χ^2/NDF: 26.9/24

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: -2672.653+/-2163.566 χ^2/NDF: 30.7/29

Left In: -436.720+/-2245.183 χ^2/NDF:13.6/22

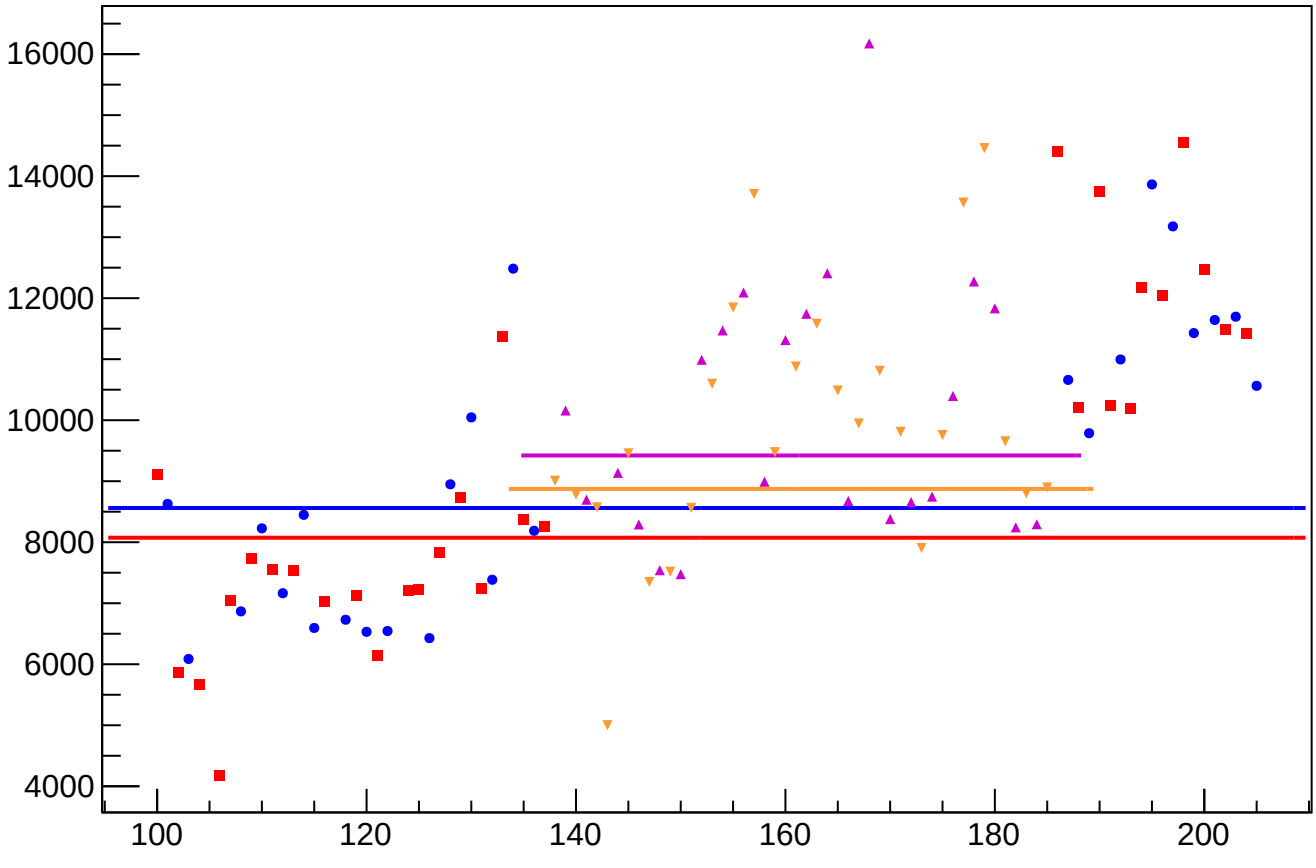
Left: -459.564+/-1529.476 χ^2/NDF: 42.4/47

Right: -1956.316+/-1595.789 χ^2/NDF: 57.8/54

In: -752.186+/-1627.706 χ^2/NDF:40.5/47

Out: -1537.678+/-1502.905 χ^2/NDF:60.0/54

All: -1176.196+/-1104.202 χ^2/NDF: 100.7/10



Right In: 8561.317+/-1.671 χ^2/NDF: 1746154.9/24

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8073.902+/-1.530 χ^2/NDF: 2860169.3/29

Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

Left: 9127.970+/-1.082 χ^2/NDF: 3471985.2/47

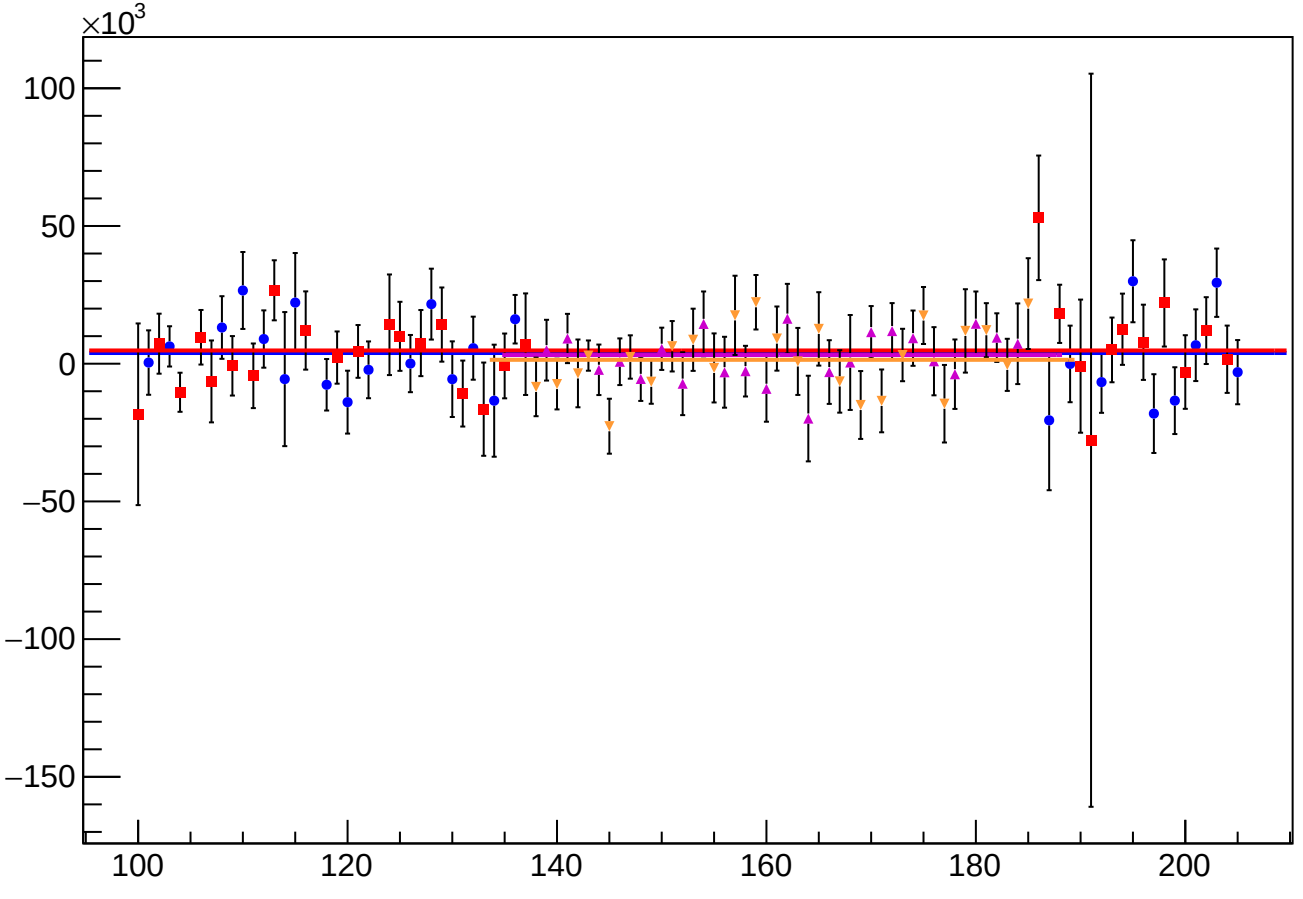
Right: 8296.156+/-1.128 χ^2/NDF: 4652609.1/54

In: 9013.539+/-1.151 χ^2/NDF:3090349.4/47

Out: 8487.727+/-1.063 χ^2/NDF:5204816.2/54

All: 8729.705+/-0.781 χ^2/NDF: 8407826.5/10

asym_at2_avg_mean vs Slug, Sign Corrected



Right In: 3881.101+/-2385.850 χ^2/NDF: 28.4/24

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: 4805.008+/-2282.272 χ^2/NDF: 24.3/29

Left In: 3139.264+/-2189.465 χ^2/NDF:13.0/22

Left: 2212.657+/-1492.506 χ^2/NDF: 40.7/47

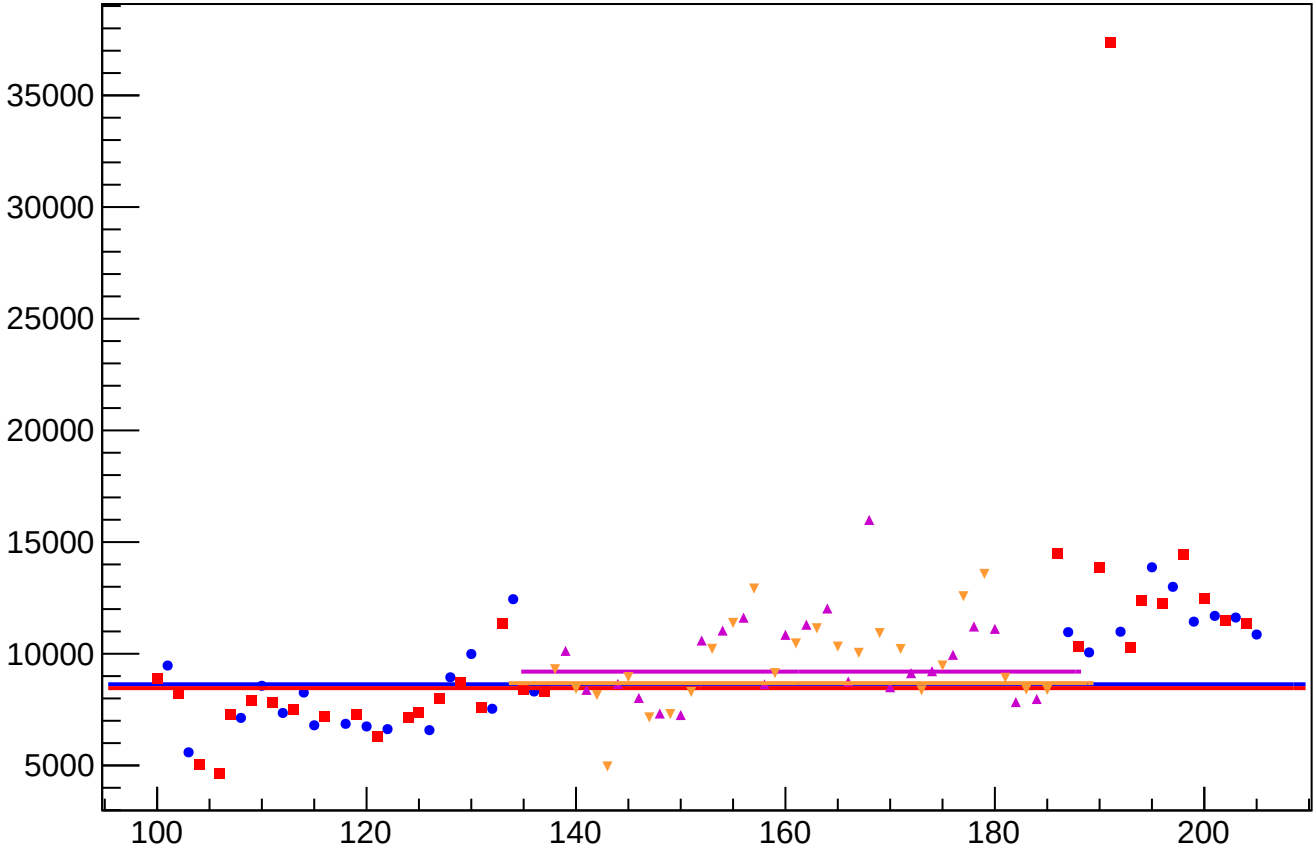
Right: 4363.544+/-1649.212 χ^2/NDF: 52.8/54

In: 3478.399+/-1613.152 χ^2/NDF:41.5/47

Out: 2916.791+/-1520.927 χ^2/NDF:52.9/54

All: 3181.083+/-1106.626 χ^2/NDF: 94.4/102

asym_at2_avg_rms vs Slug, Sign Corrected



Right In: 8633.347+/-1.687 χ^2/NDF: 1804297.0/24

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8460.606+/-1.614 χ^2/NDF: 2534081.3/29

Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

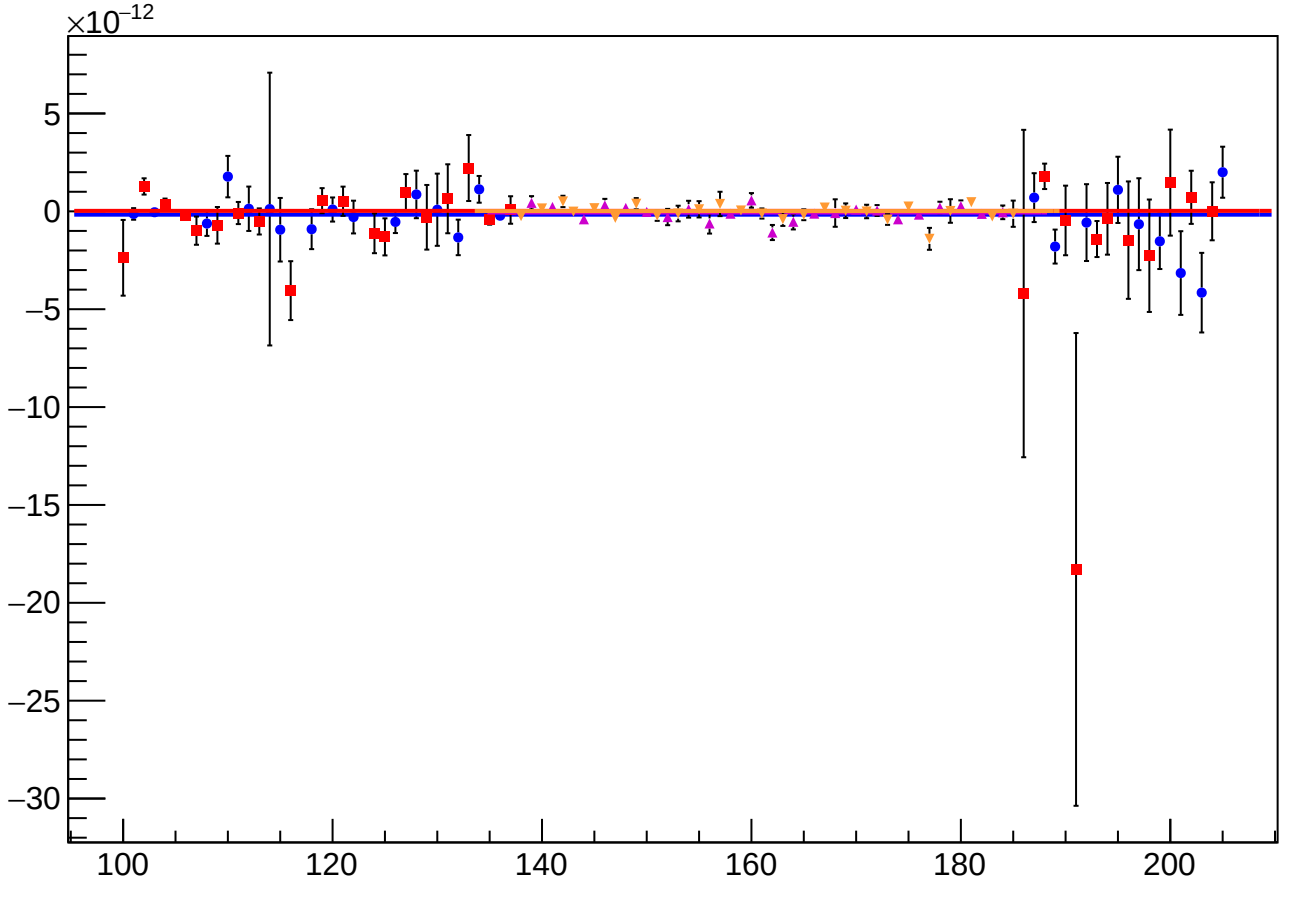
Left: 8924.440+/-1.055 χ^2/NDF: 3240566.0/47

Right: 8543.141+/-1.166 χ^2/NDF: 4343853.2/54

In: 8941.381+/-1.141 χ^2/NDF:2995133.4/47

Out: 8585.089+/-1.075 χ^2/NDF:4596408.7/54

All: 8752.756+/-0.782 χ^2/NDF: 7643194.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 46.8/29

Left In: -0.000+/-0.000 χ^2/NDF:27.8/22

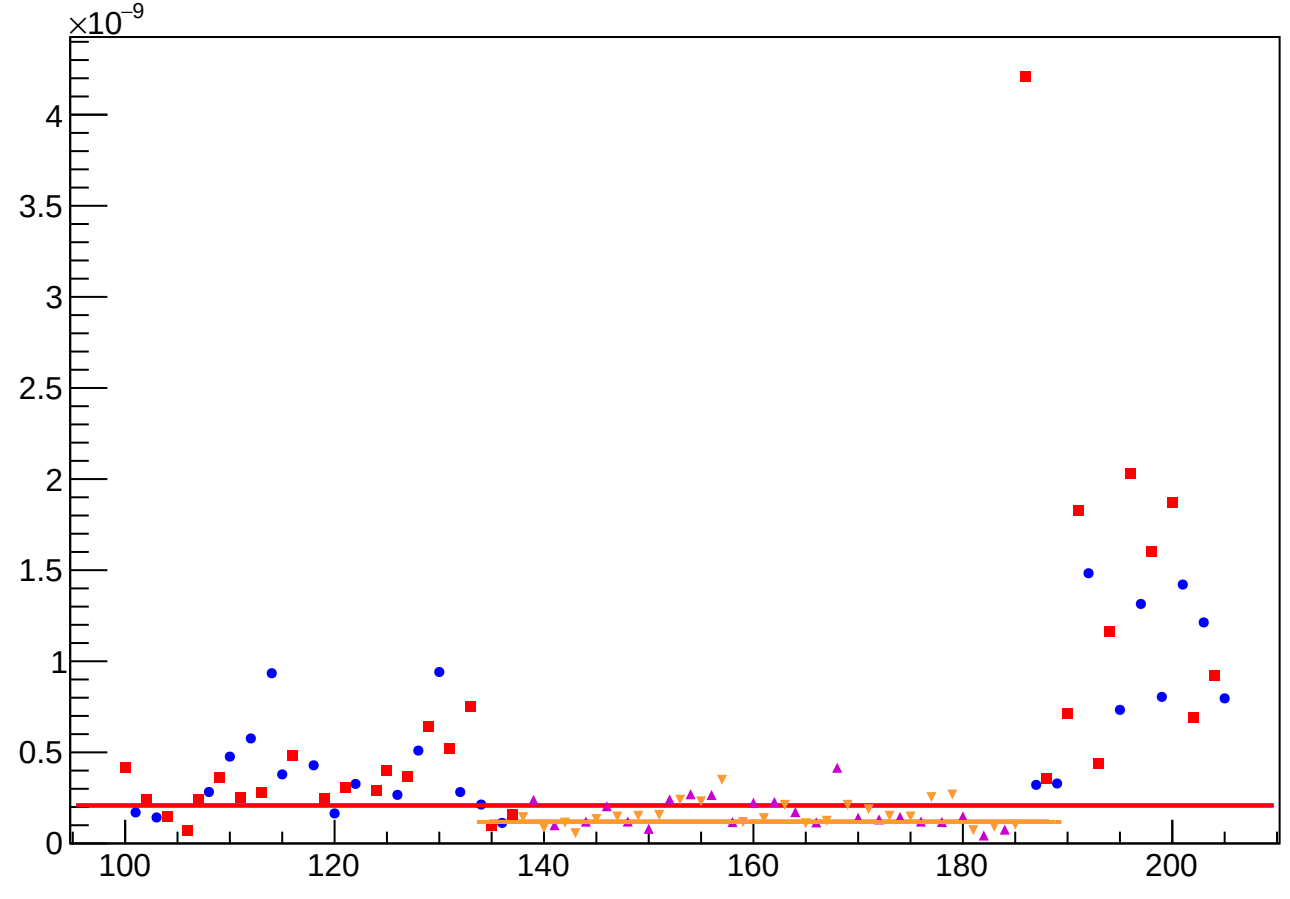
Left: -0.000+/-0.000 χ^2/NDF: 57.7/47

Right: -0.000+/-0.000 χ^2/NDF: 73.9/54

In: -0.000+/-0.000 χ^2/NDF:54.3/47

Out: 0.000+/-0.000 χ^2/NDF:75.6/54

All: -0.000+/-0.000 χ^2/NDF: 132.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 5089388.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5908840.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

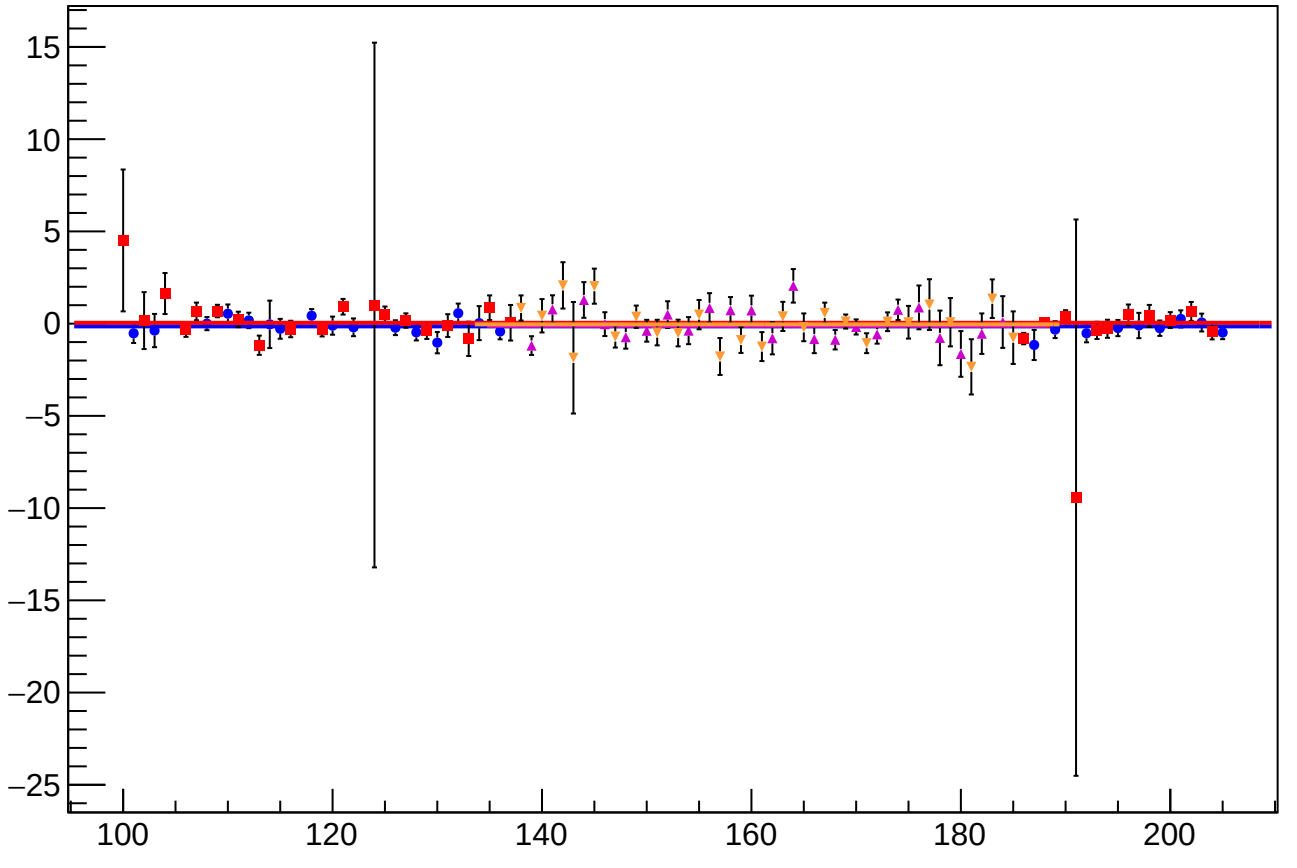
Left: 0.000+/-0.000 χ^2/NDF: 4998299.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10998462.6/54

In: 0.000+/-0.000 χ^2/NDF:8703137.9/47

Out: 0.000+/-0.000 χ^2/NDF:9277078.2/54

All: 0.000+/-0.000 χ^2/NDF: 17985456.5/102



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

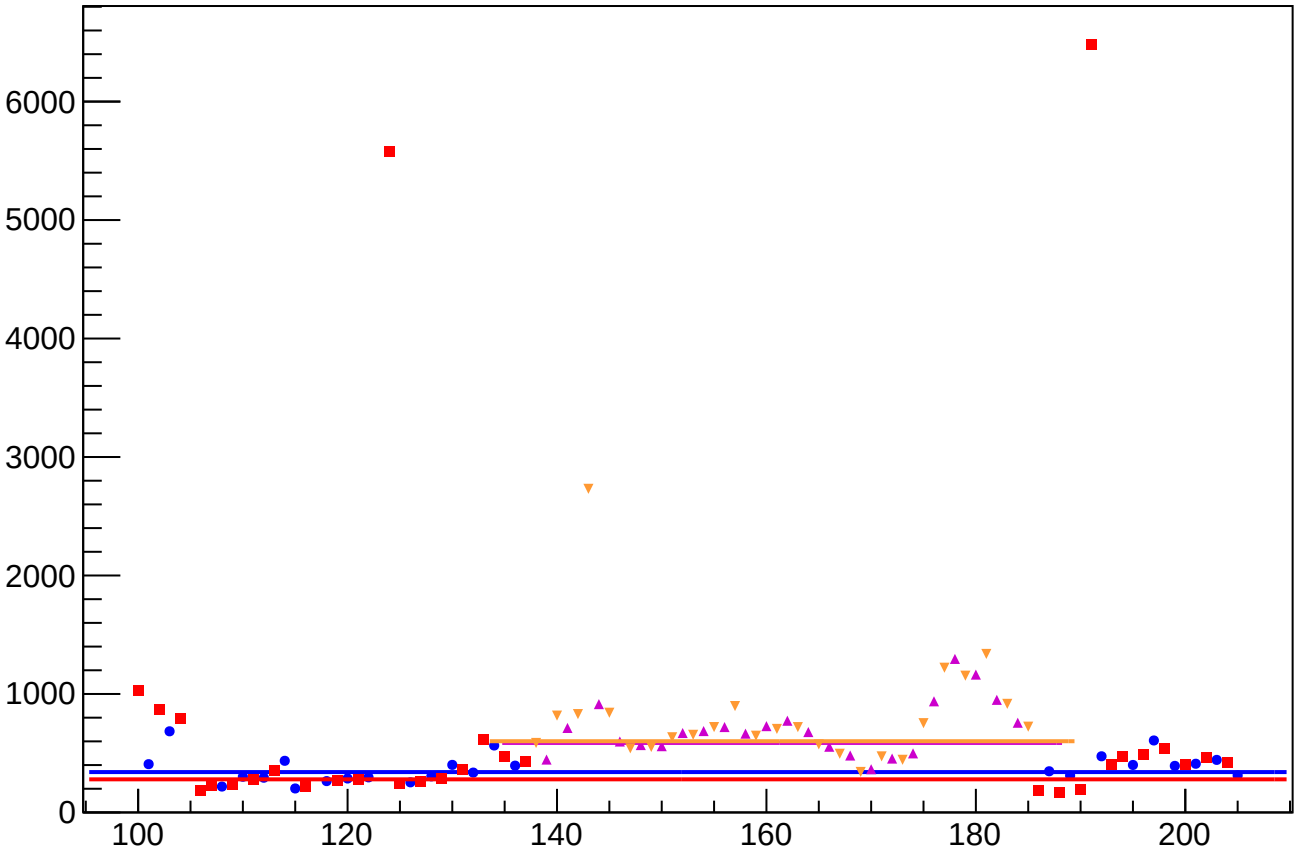
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.035+/-0.062 χ^2/NDF: 57.1/54

In: -0.143+/-0.080 χ^2/NDF:44.3/47

Out: 0.026+/-0.071 χ^2/NDF:69.9/54

All: -0.048+/-0.053 χ^2/NDF: 116.6/102



Right In: 340.825+/-0.068 χ^2/NDF: 1824509.6/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 279.501+/-0.058 χ^2/NDF: 4979185.5/29

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

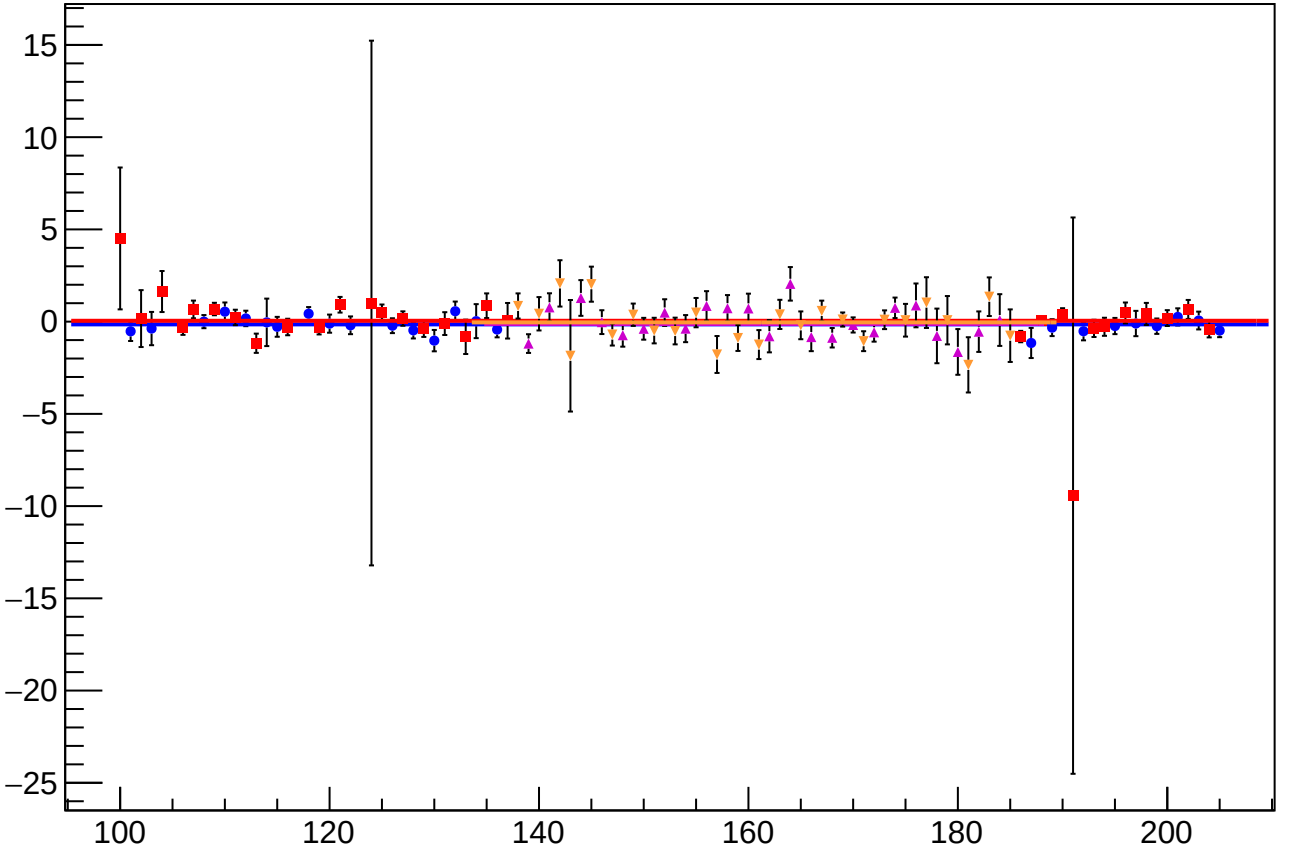
Right: 305.001+/-0.044 χ^2/NDF: 7275761.0/54

In: 416.165+/-0.057 χ^2/NDF:8741320.4/47

Out: 354.588+/-0.050 χ^2/NDF:16731814.9/54

All: 381.699+/-0.038 χ^2/NDF: 26130519.4/10

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

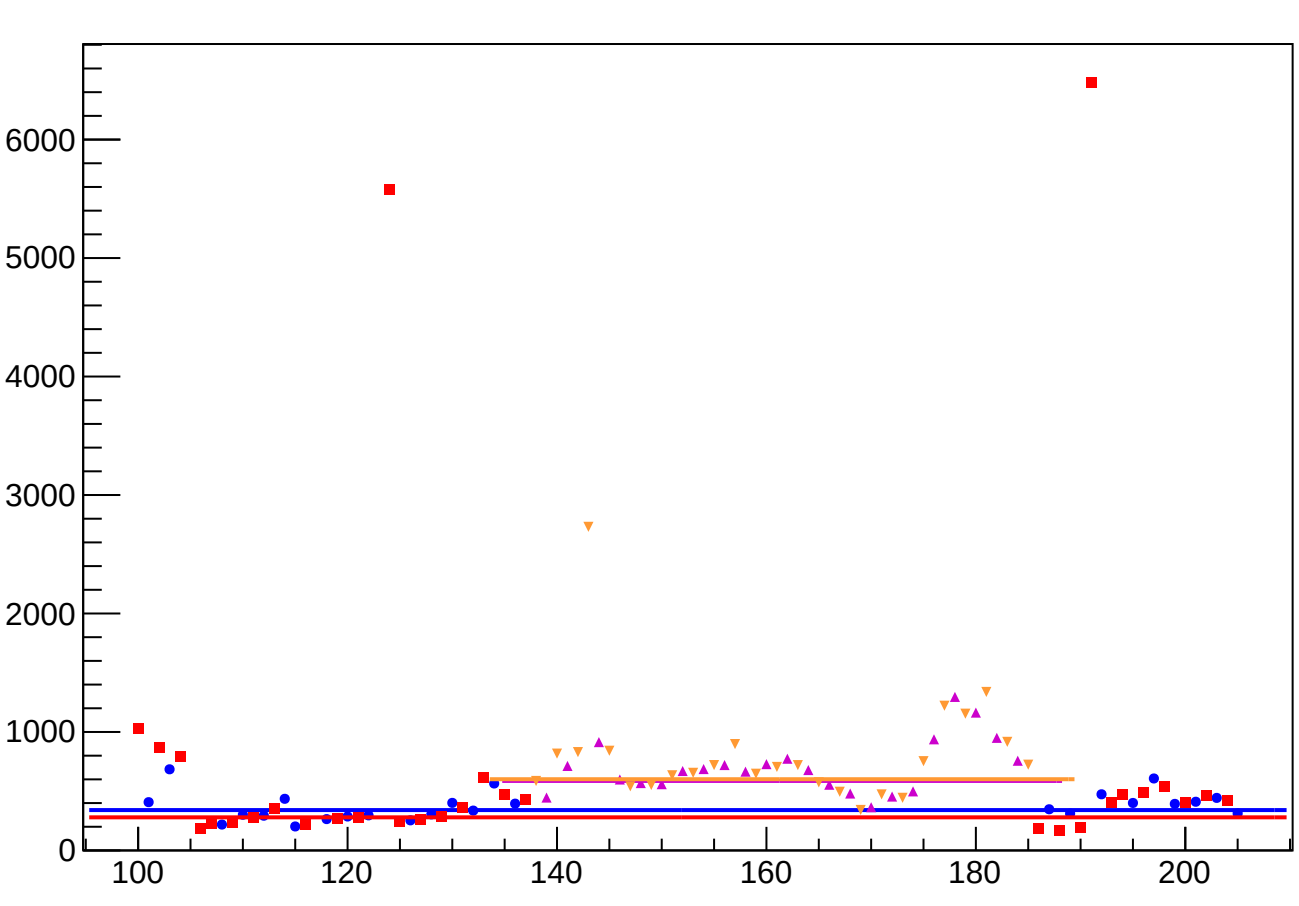
Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

Right: -0.035+/-0.062 χ^2/NDF: 57.1/54

In: -0.143+/-0.080 χ^2/NDF:44.3/47

Out: 0.026+/-0.071 χ^2/NDF:69.9/54

All: -0.048+/-0.053 χ^2/NDF: 116.6/102



Right In: 340.825+/-0.068 χ^2/NDF: 1824509.6/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 279.501+/-0.058 χ^2/NDF: 4979185.5/29

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

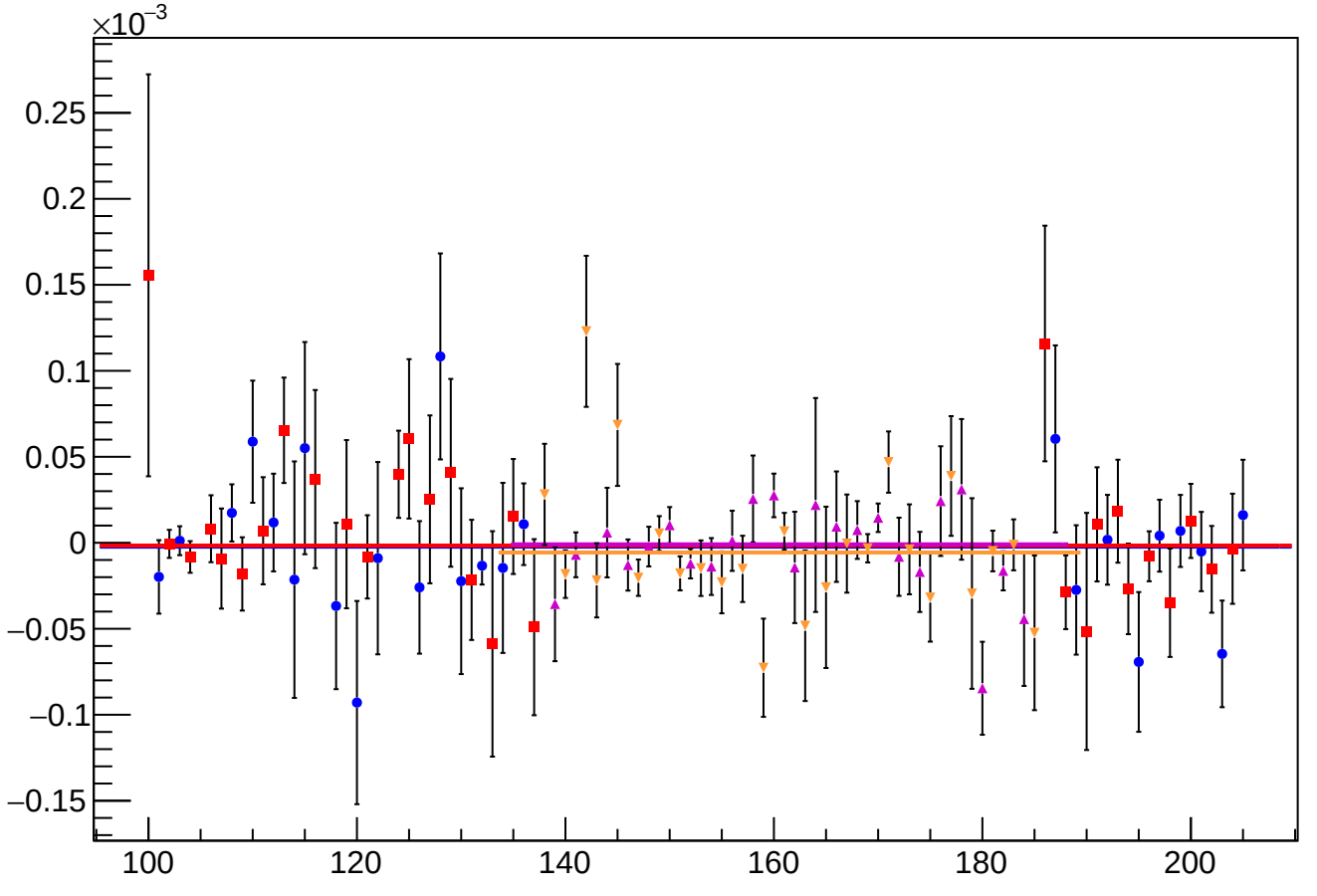
Left: 593.901+/-0.073 χ^2/NDF: 7404620.8/47

Right: 305.001+/-0.044 χ^2/NDF: 7275761.0/54

In: 416.165+/-0.057 χ^2/NDF:8741320.4/47

Out: 354.588+/-0.050 χ^2/NDF:16731814.9/54

All: 381.699+/-0.038 χ^2/NDF: 26130519.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/29

Left In: -0.000+/-0.000 χ^2/NDF:30.2/22

Left: -0.000+/-0.000 χ^2/NDF: 73.9/47

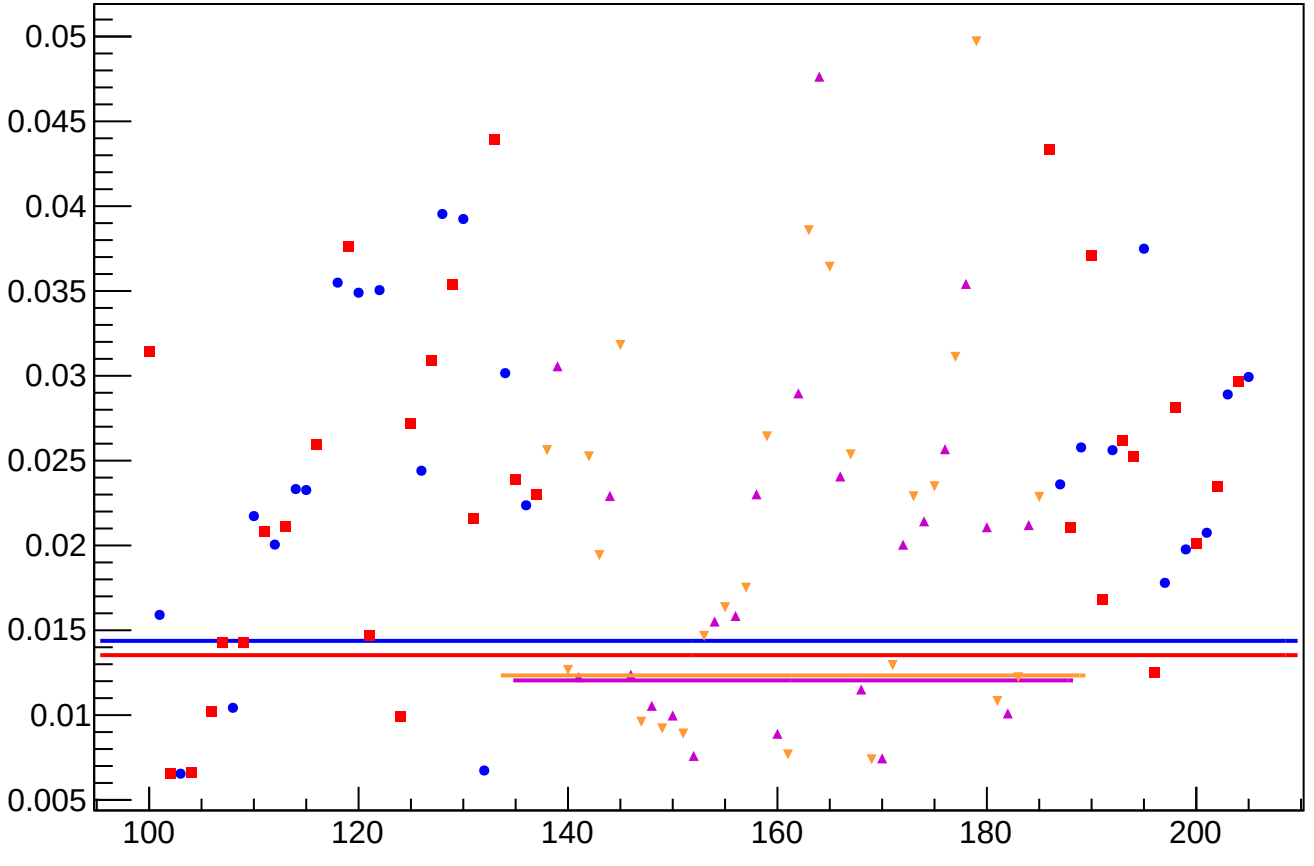
Right: -0.000+/-0.000 χ^2/NDF: 48.8/54

In: -0.000+/-0.000 χ^2/NDF:54.0/47

Out: -0.000+/-0.000 χ^2/NDF:68.2/54

All: -0.000+/-0.000 χ^2/NDF: 122.8/102

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 7815674.3/24

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8194126.3/29

Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

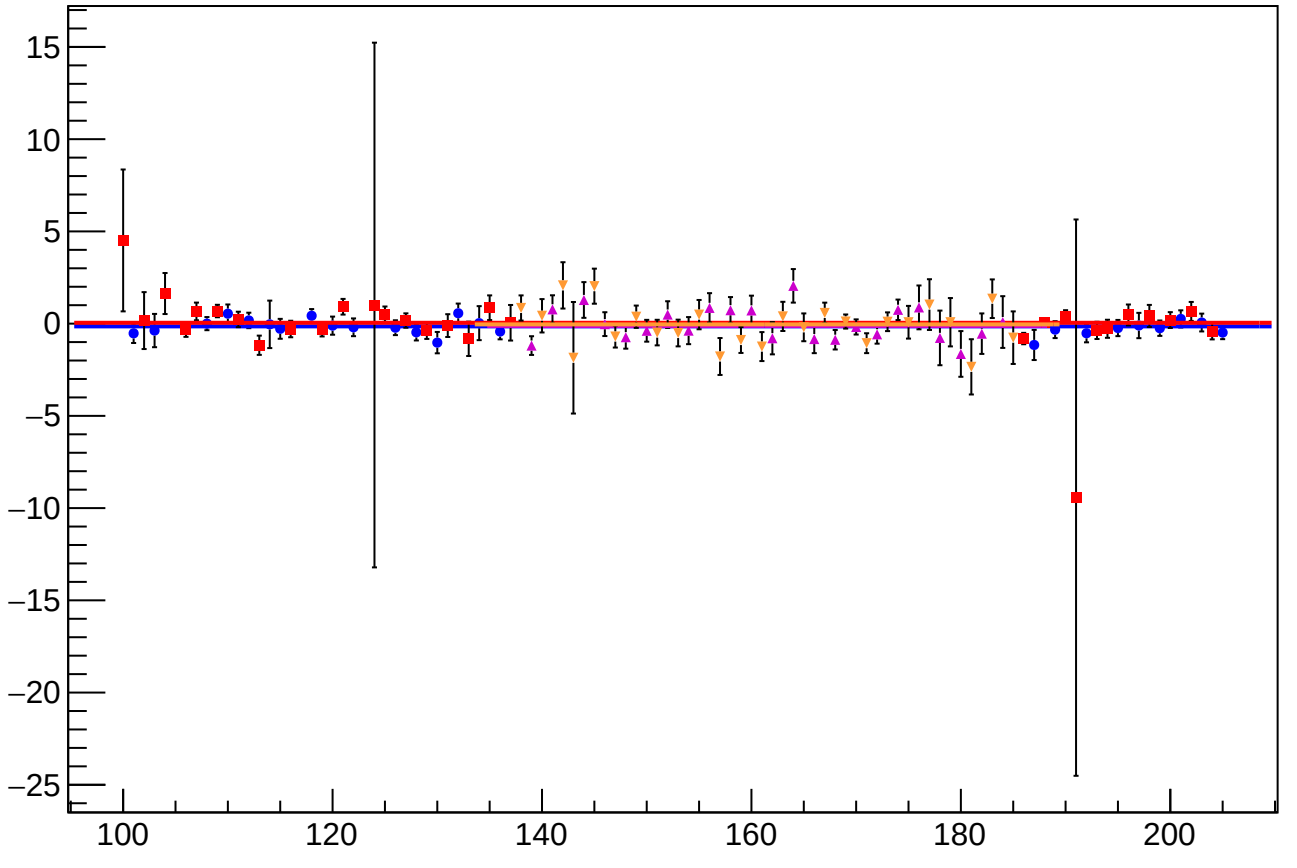
Left: 0.012+/-0.000 χ^2/NDF: 14226676.0/47

Right: 0.014+/-0.000 χ^2/NDF: 16046933.4/54

In: 0.013+/-0.000 χ^2/NDF:14533788.9/47

Out: 0.013+/-0.000 χ^2/NDF:16137089.0/54

All: 0.013+/-0.000 χ^2/NDF: 30670995.9/102



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

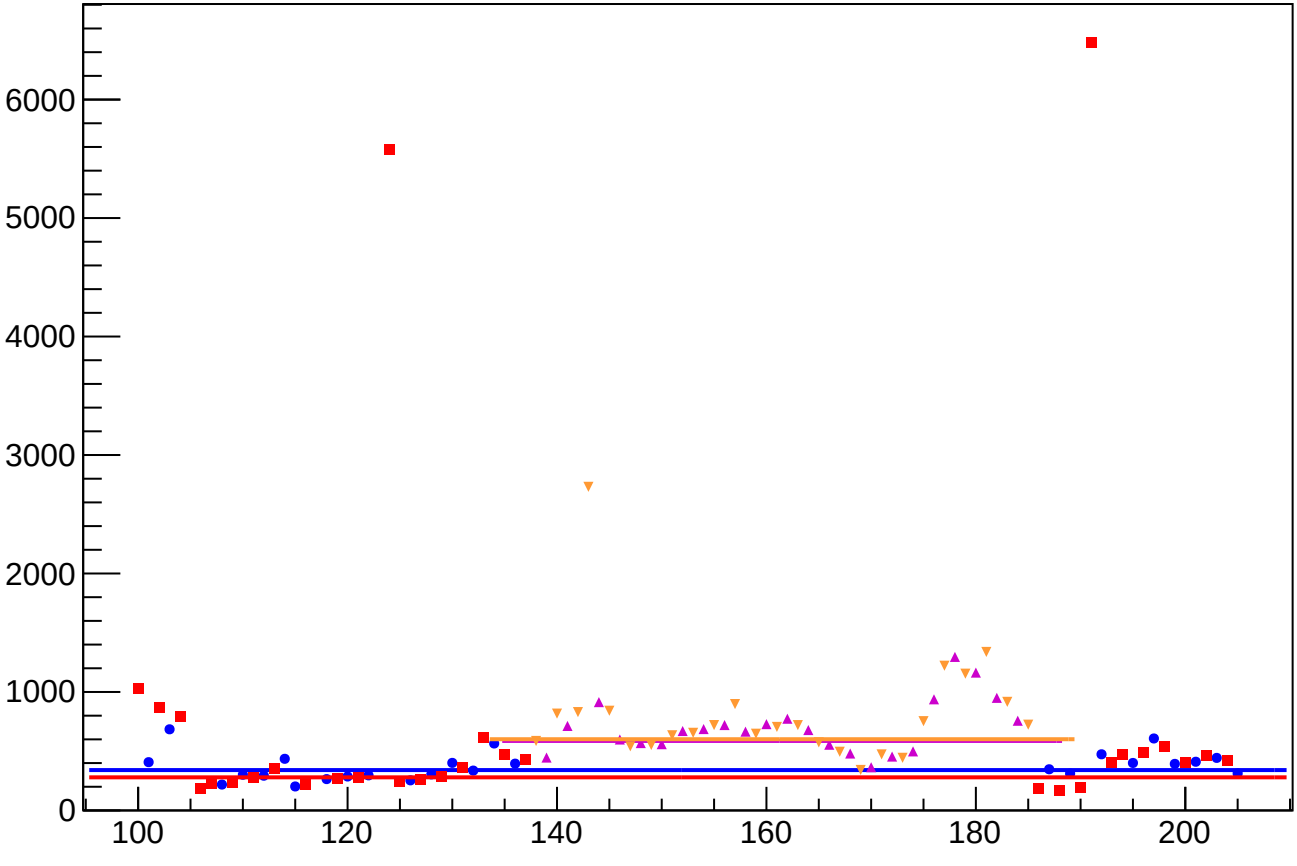
Right: -0.035+/-0.062 χ^2/NDF: 57.1/54

In: -0.143+/-0.080 χ^2/NDF:44.3/47

Out: 0.026+/-0.071 χ^2/NDF:69.9/54

All: -0.048+/-0.053 χ^2/NDF: 116.6/102

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 340.824+/-0.068 χ^2/NDF: 1824507.7/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 279.494+/-0.058 χ^2/NDF: 4979516.4/29

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

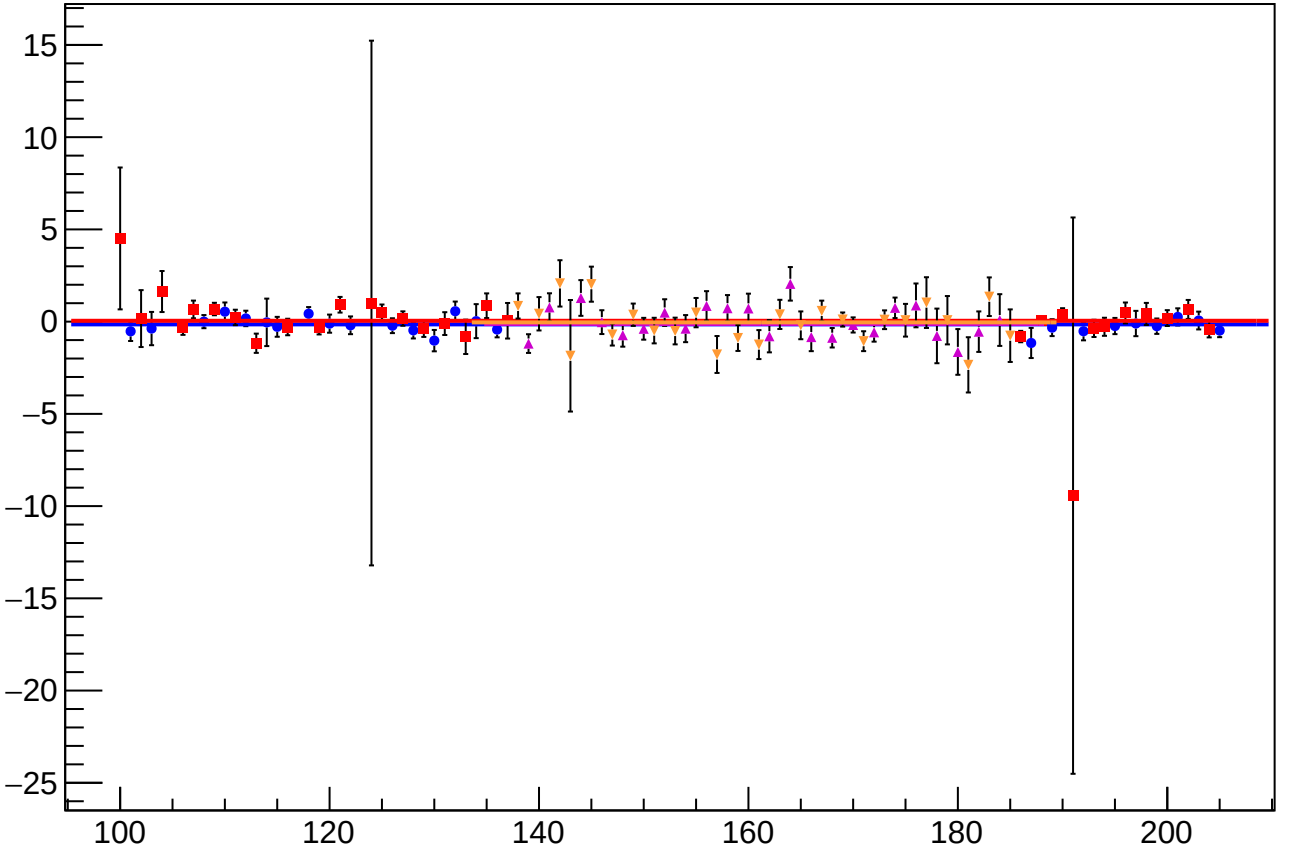
Right: 304.996+/-0.044 χ^2/NDF: 7276182.5/54

In: 416.164+/-0.057 χ^2/NDF:8741548.3/47

Out: 354.580+/-0.050 χ^2/NDF:16732686.7/54

All: 381.694+/-0.038 χ^2/NDF: 26131759.9/10

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: 0.046+/-0.081 χ^2/NDF: 39.5/29

Left In: -0.128+/-0.145 χ^2/NDF:29.0/22

Left: -0.085+/-0.103 χ^2/NDF: 59.3/47

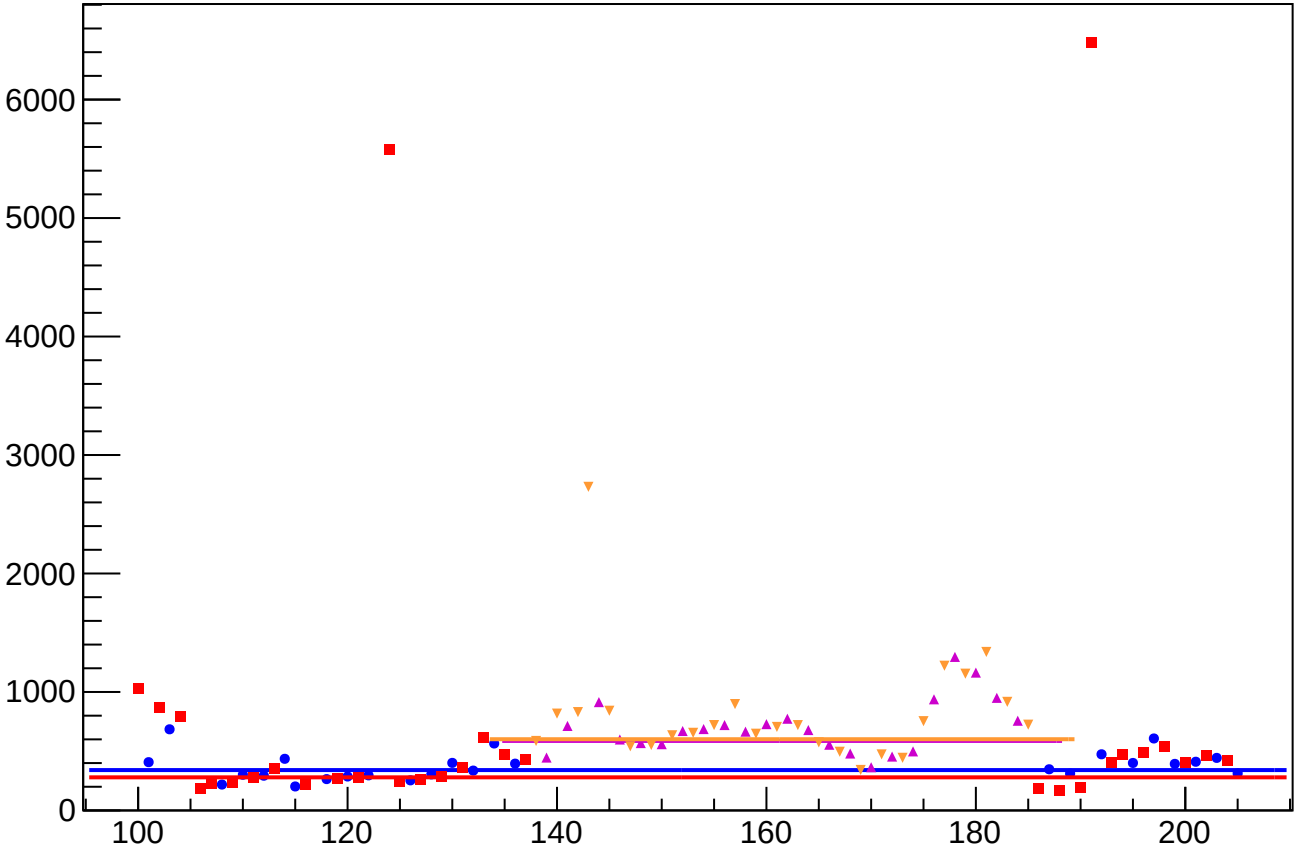
Right: -0.035+/-0.062 χ^2/NDF: 57.1/54

In: -0.143+/-0.080 χ^2/NDF:44.3/47

Out: 0.026+/-0.071 χ^2/NDF:69.9/54

All: -0.048+/-0.053 χ^2/NDF: 116.6/102

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 340.824+/-0.068 χ^2/NDF: 1824507.7/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 279.494+/-0.058 χ^2/NDF: 4979516.4/29

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

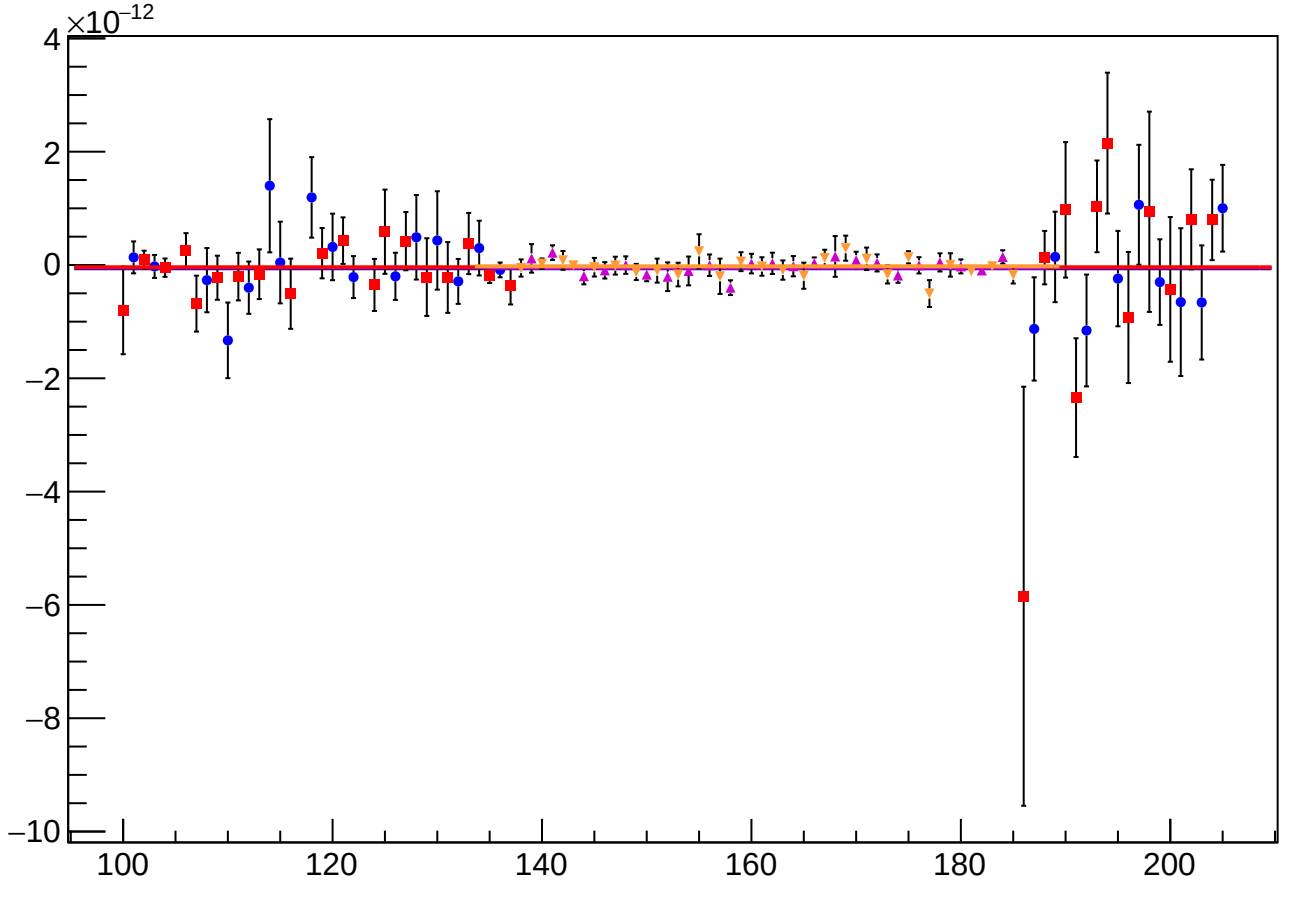
Left: 593.903+/-0.073 χ^2/NDF: 7404947.7/47

Right: 304.996+/-0.044 χ^2/NDF: 7276182.5/54

In: 416.164+/-0.057 χ^2/NDF:8741548.3/47

Out: 354.580+/-0.050 χ^2/NDF:16732686.7/54

All: 381.694+/-0.038 χ^2/NDF: 26131759.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 18.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/29

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

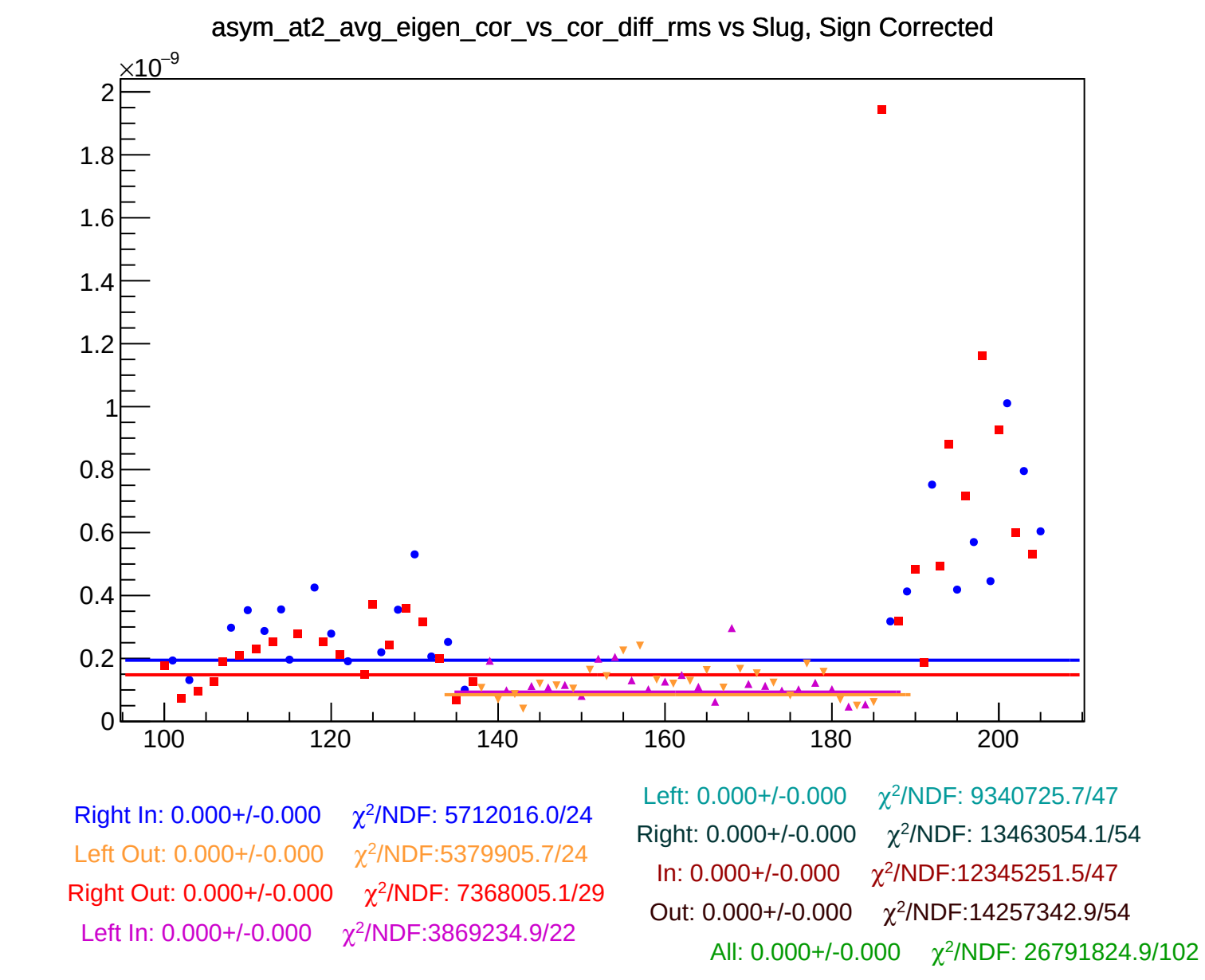
Left: -0.000+/-0.000 χ^2/NDF: 38.7/47

Right: -0.000+/-0.000 χ^2/NDF: 46.3/54

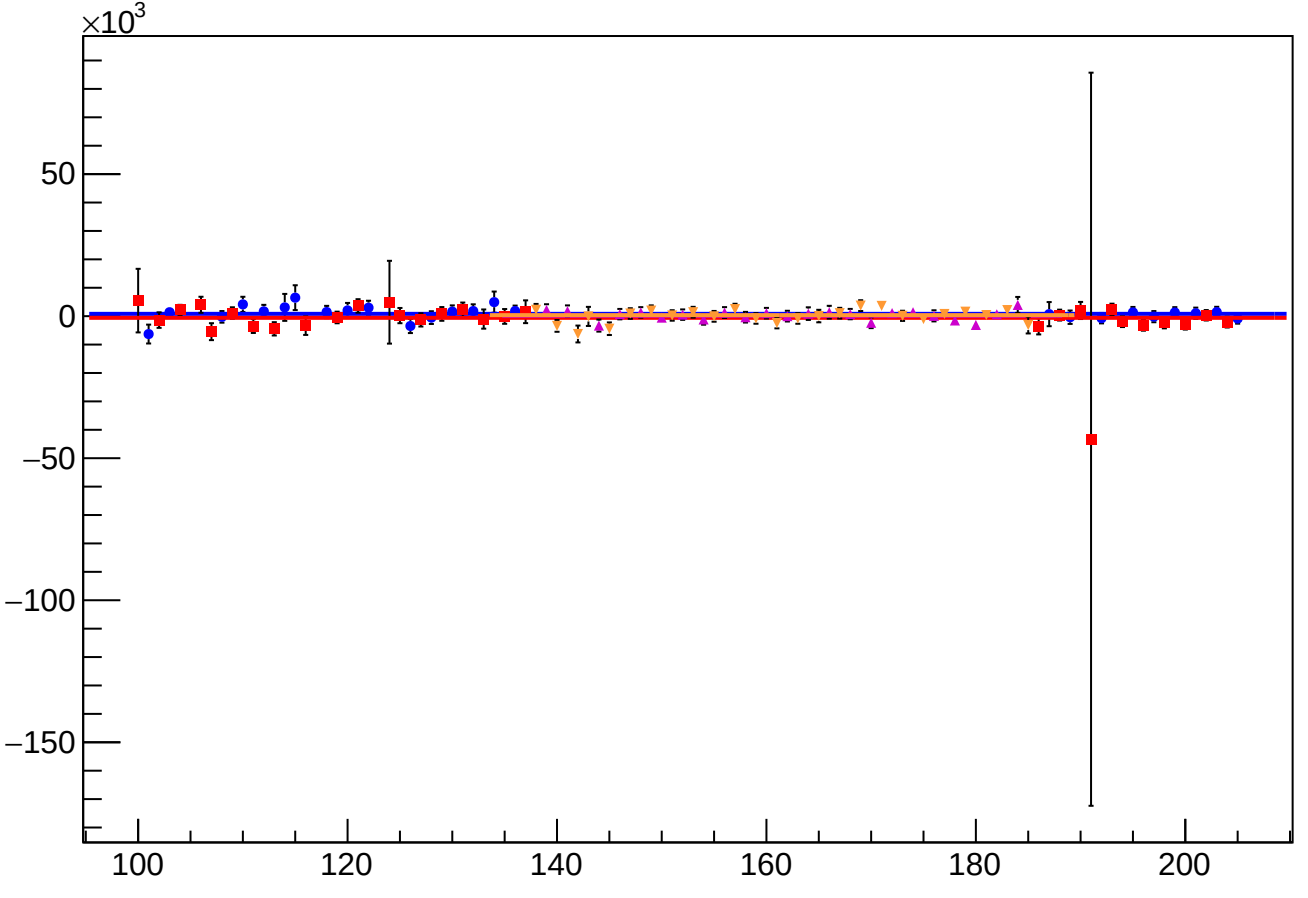
In: -0.000+/-0.000 χ^2/NDF:40.4/47

Out: -0.000+/-0.000 χ^2/NDF:44.2/54

All: -0.000+/-0.000 χ^2/NDF: 85.0/102


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5712016.0/24
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7368005.1/29
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: 13463054.1/54
In: 0.000+/-0.000 χ²/NDF:12345251.5/47
Out: 0.000+/-0.000 χ²/NDF:14257342.9/54
All: 0.000+/-0.000 χ²/NDF: 26791824.9/102

reg_asym_at2_dd_mean vs Slug, Sign Corrected



Right In: 817.687+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: -584.645+/-440.739 χ^2/NDF: 28.6/29

Left In: 157.028+/-394.257 χ^2/NDF:16.0/22

Left: 260.939+/-276.591 χ^2/NDF: 45.7/47

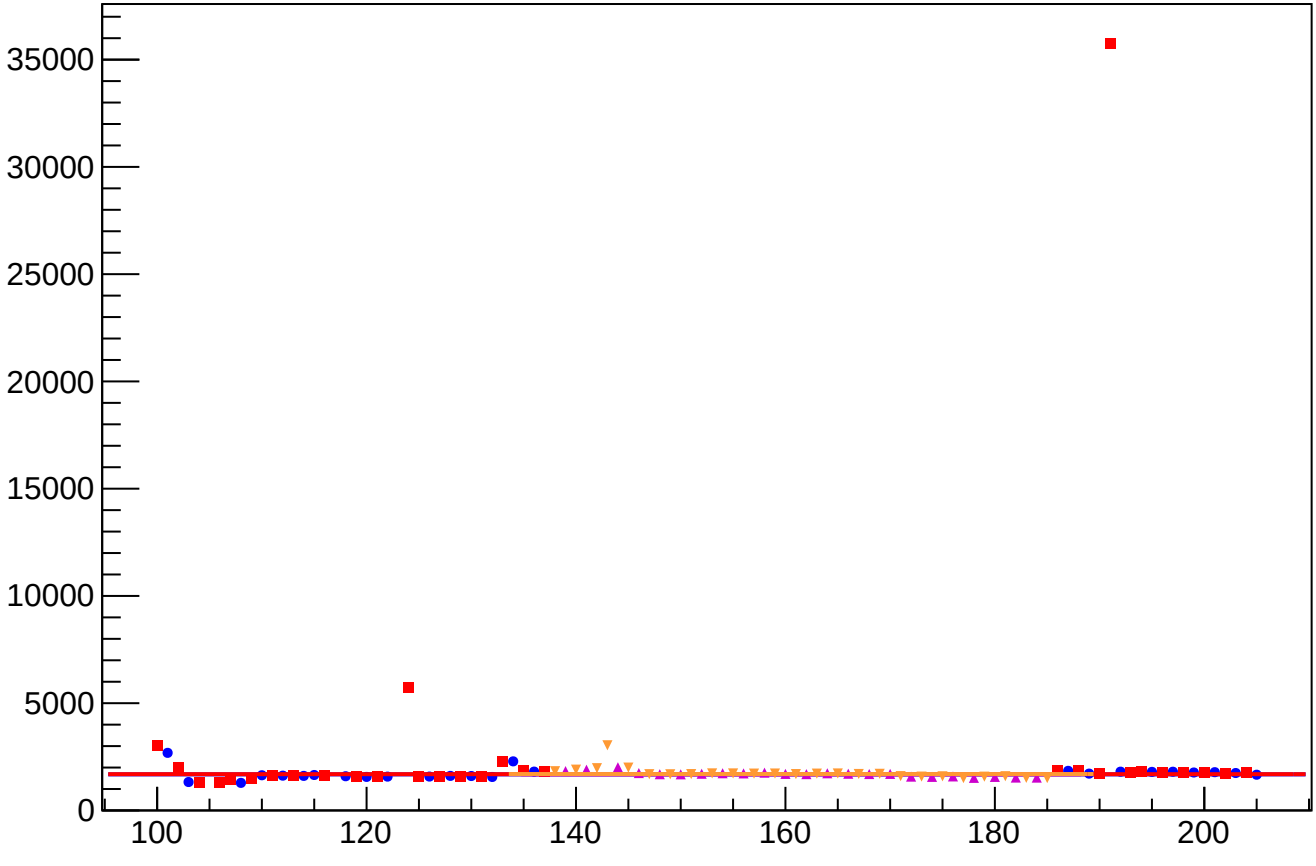
Right: 99.088+/-315.500 χ^2/NDF: 50.6/54

In: 442.605+/-297.067 χ^2/NDF:34.3/47

Out: -51.681+/-291.283 χ^2/NDF:60.7/54

All: 190.604+/-207.983 χ^2/NDF: 96.5/102

reg_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1681.164+/-0.319 χ^2/NDF: 469832.6/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.1/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

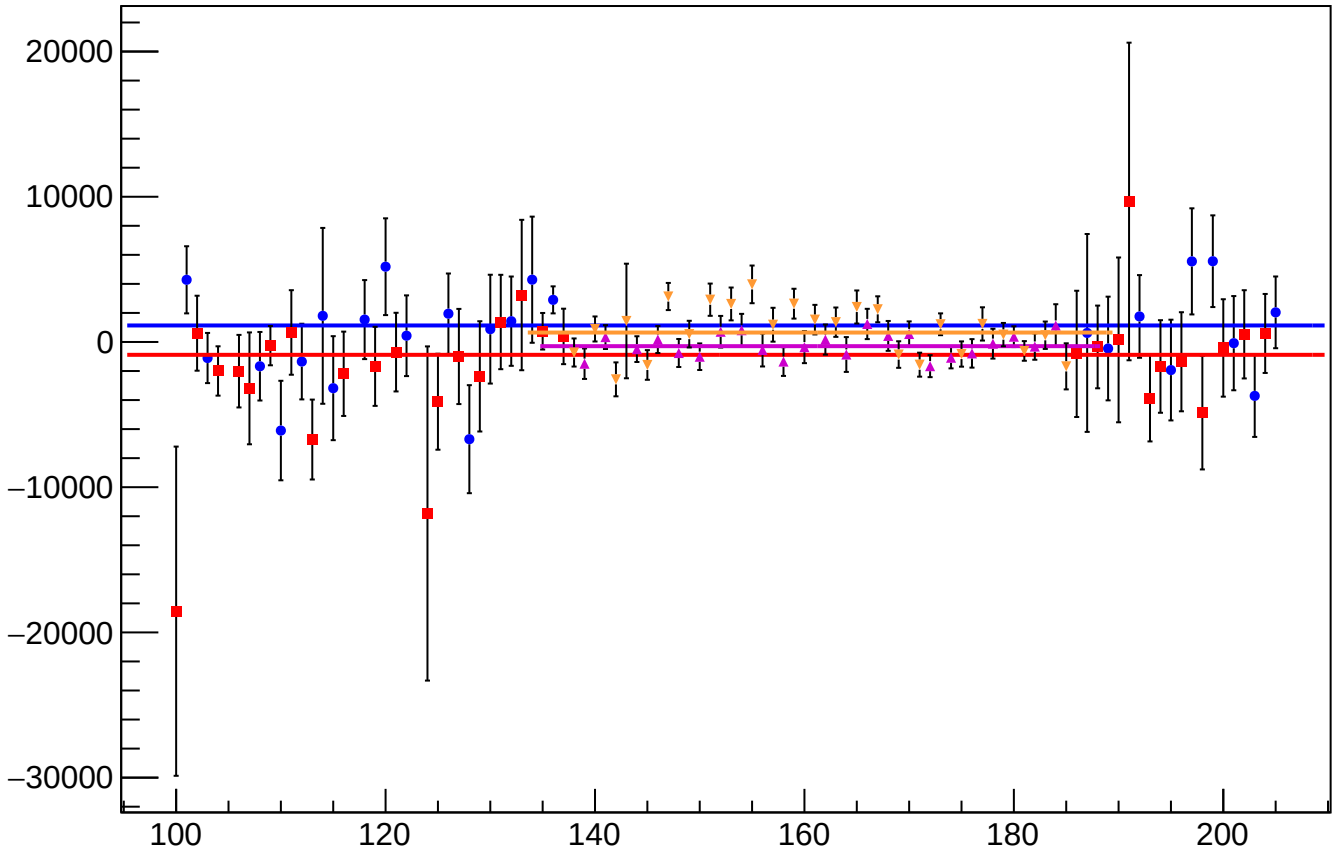
Left: 1691.137+/-0.196 χ^2/NDF: 661844.1/47

Right: 1686.257+/-0.223 χ^2/NDF: 1141156.5/54

In: 1683.102+/-0.210 χ^2/NDF:635253.1/47

Out: 1694.703+/-0.206 χ^2/NDF:1166463.1/54

All: 1689.016+/-0.147 χ^2/NDF: 1803271.2/10



Right In: 1136.812+/-509.758 χ^2/NDF: 29.7/24

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: -885.120+/-492.135 χ^2/NDF: 17.9/29

Left In: -288.616+/-198.494 χ^2/NDF:16.6/22

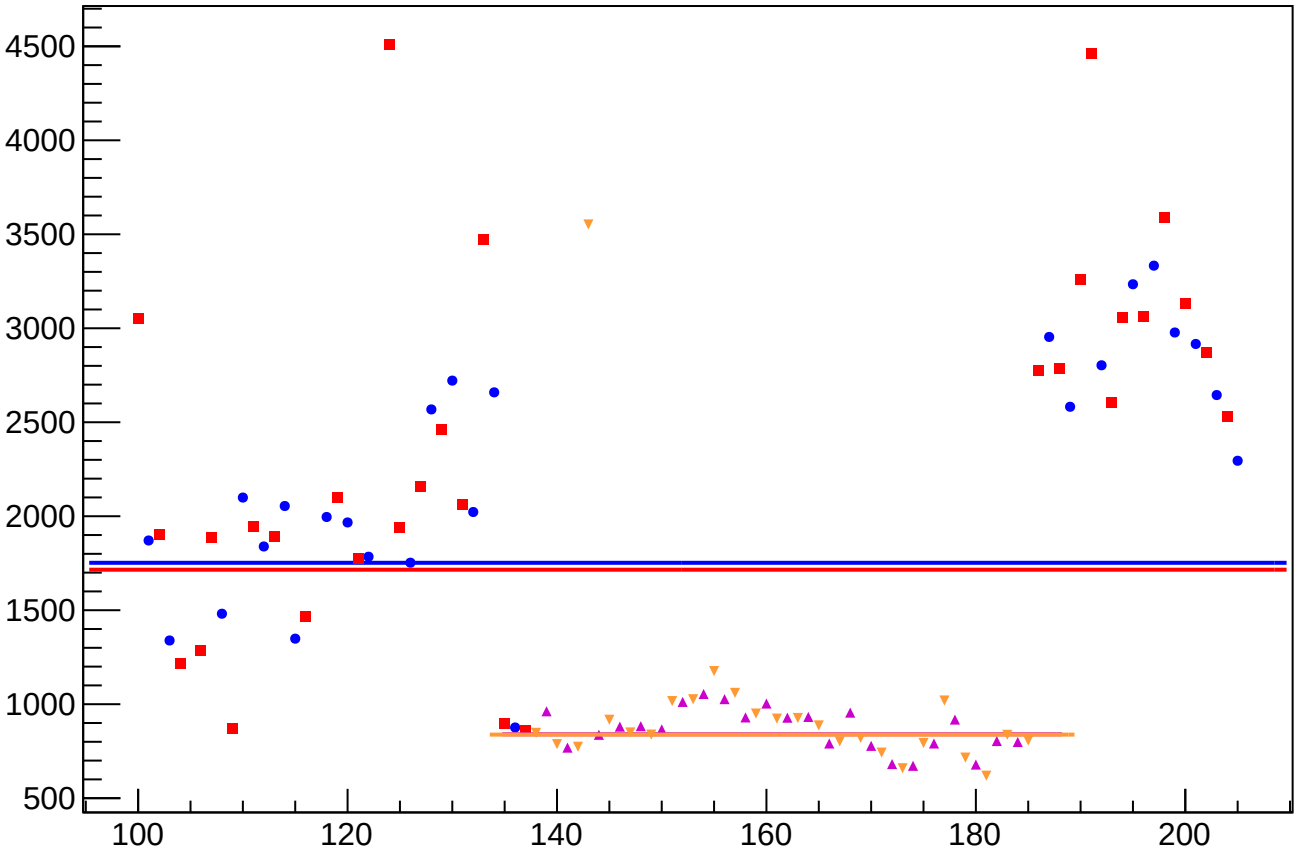
Left: 186.992+/-139.348 χ^2/NDF: 93.4/47

Right: 90.292+/-354.058 χ^2/NDF: 55.7/54

In: -100.943+/-184.966 χ^2/NDF:53.0/47

Out: 439.730+/-181.826 χ^2/NDF:91.8/54

All: 174.022+/-129.666 χ^2/NDF: 149.2/102



Right In: 1752.300+/-0.360 χ^2/NDF: 4367482.4/24

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1715.558+/-0.348 χ^2/NDF: 5679378.0/29

Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

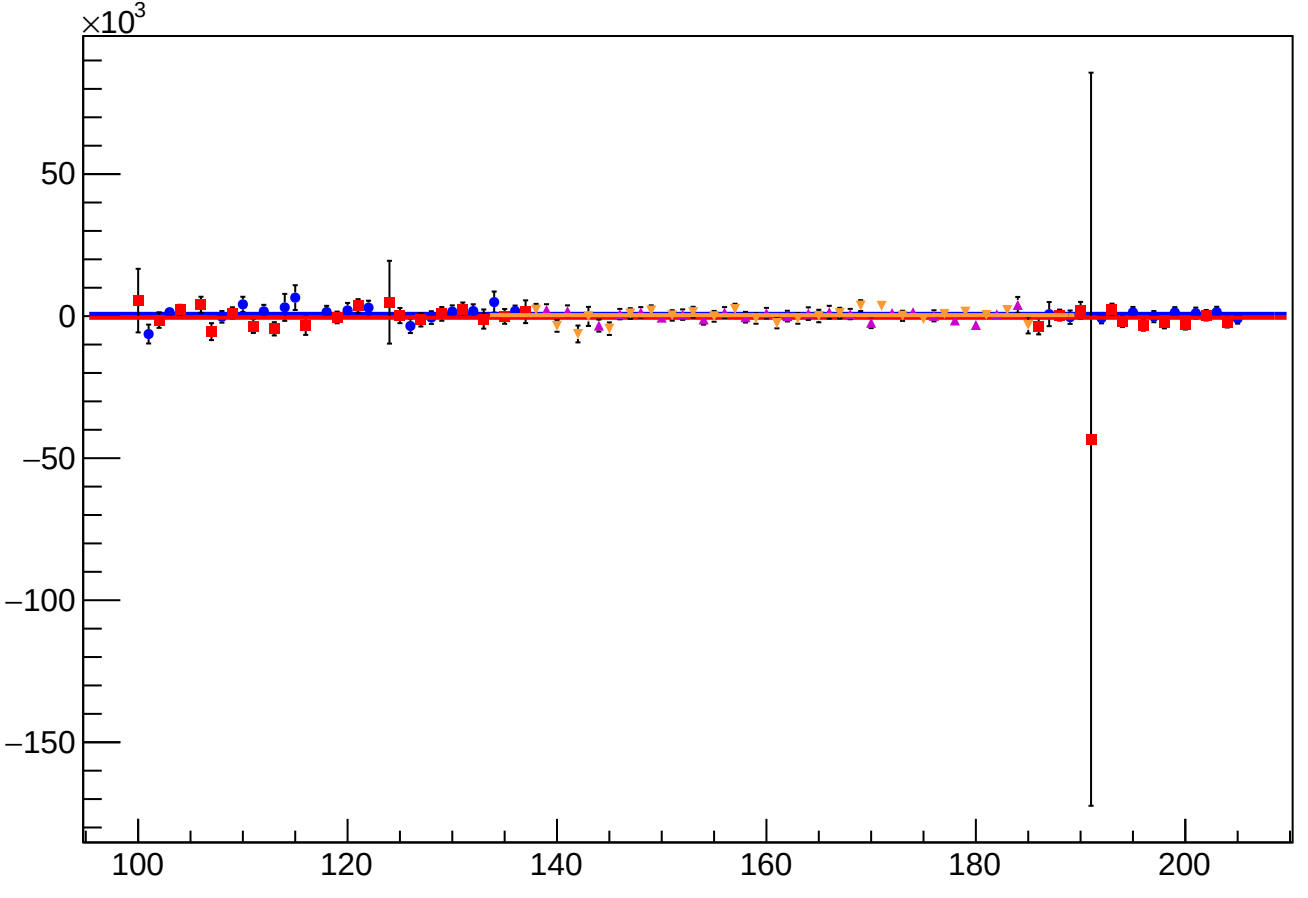
Left: 839.097+/-0.099 χ^2/NDF: 2469664.6/47

Right: 1733.283+/-0.250 χ^2/NDF: 10052238.2/54

In: 960.093+/-0.131 χ^2/NDF:10599580.2/47

Out: 957.999+/-0.129 χ^2/NDF:12967878.1/54

All: 959.028+/-0.092 χ^2/NDF: 23567588.7/10



Right In: 817.724+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -584.817+/-440.739 χ^2/NDF: 28.6/29

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

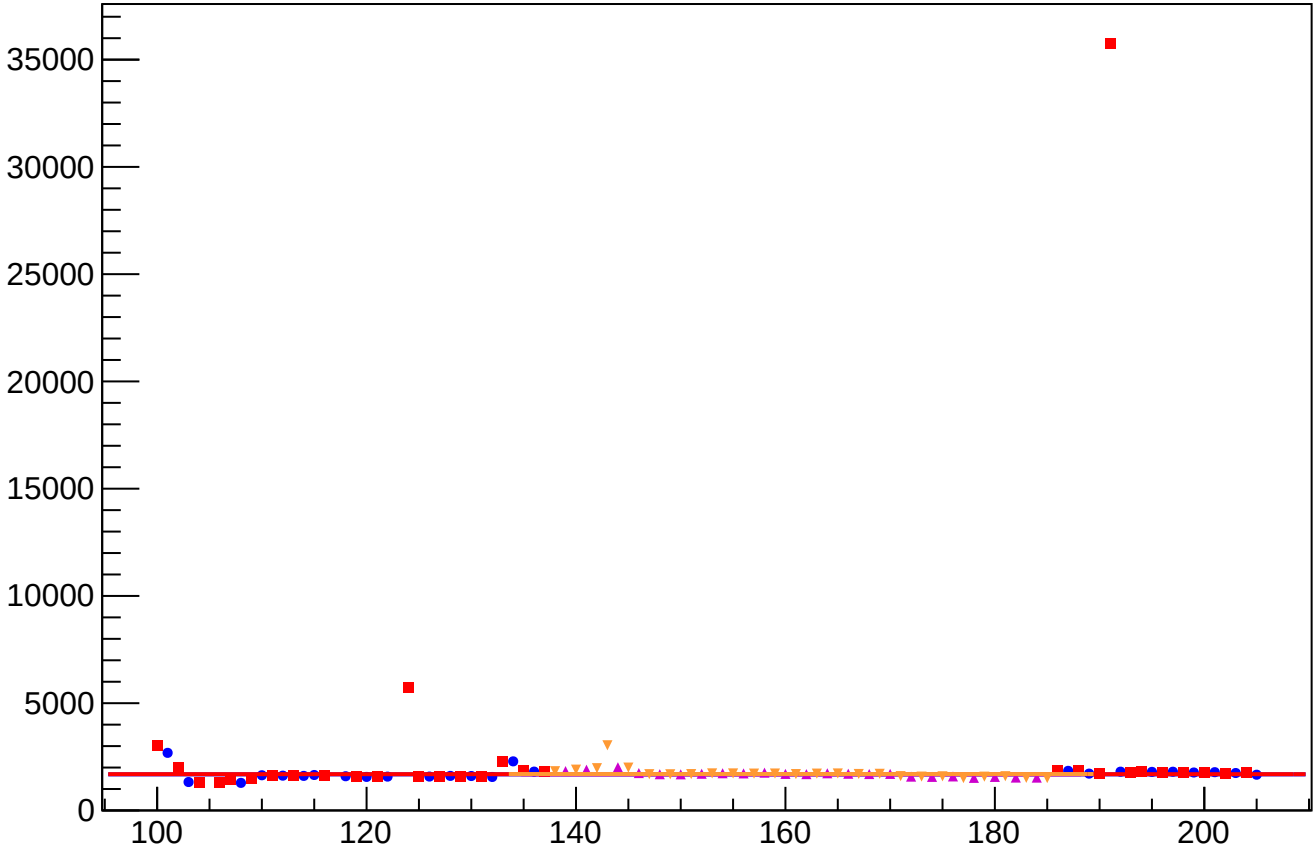
Right: 99.018+/-315.500 χ^2/NDF: 50.6/54

In: 442.568+/-297.067 χ^2/NDF:34.3/47

Out: -51.804+/-291.283 χ^2/NDF:60.7/54

All: 190.523+/-207.983 χ^2/NDF: 96.5/102

cor_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1681.164+/-0.319 χ^2/NDF: 469833.0/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.3/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

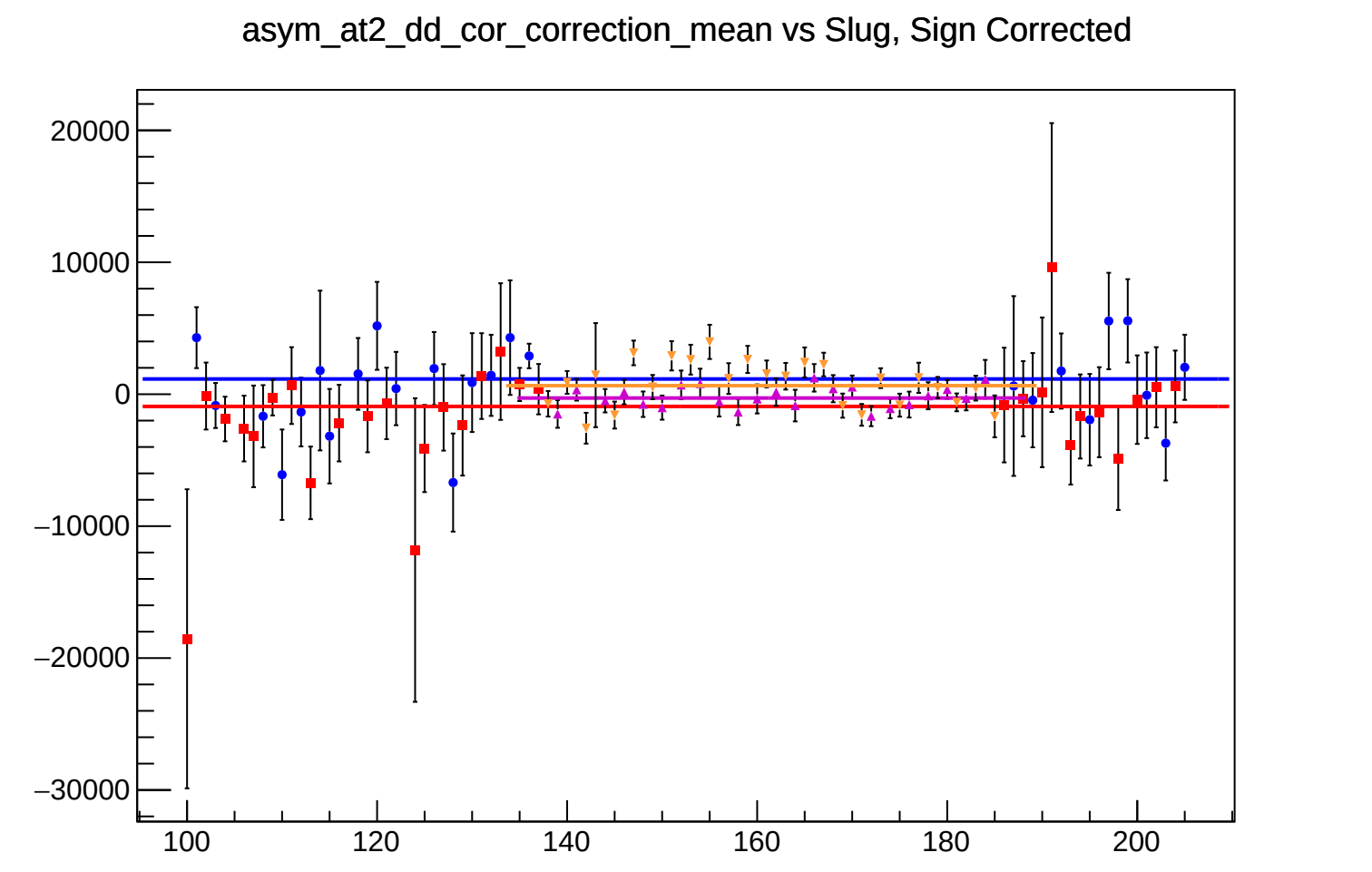
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1686.257+/-0.223 χ^2/NDF: 1141157.0/54

In: 1683.102+/-0.210 χ^2/NDF:635253.4/47

Out: 1694.703+/-0.206 χ^2/NDF:1166463.2/54

All: 1689.016+/-0.147 χ^2/NDF: 1803271.6/10



Right In: 1154.657+/-509.197 χ^2/NDF: 29.4/24

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -925.472+/-491.604 χ^2/NDF: 17.8/29

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

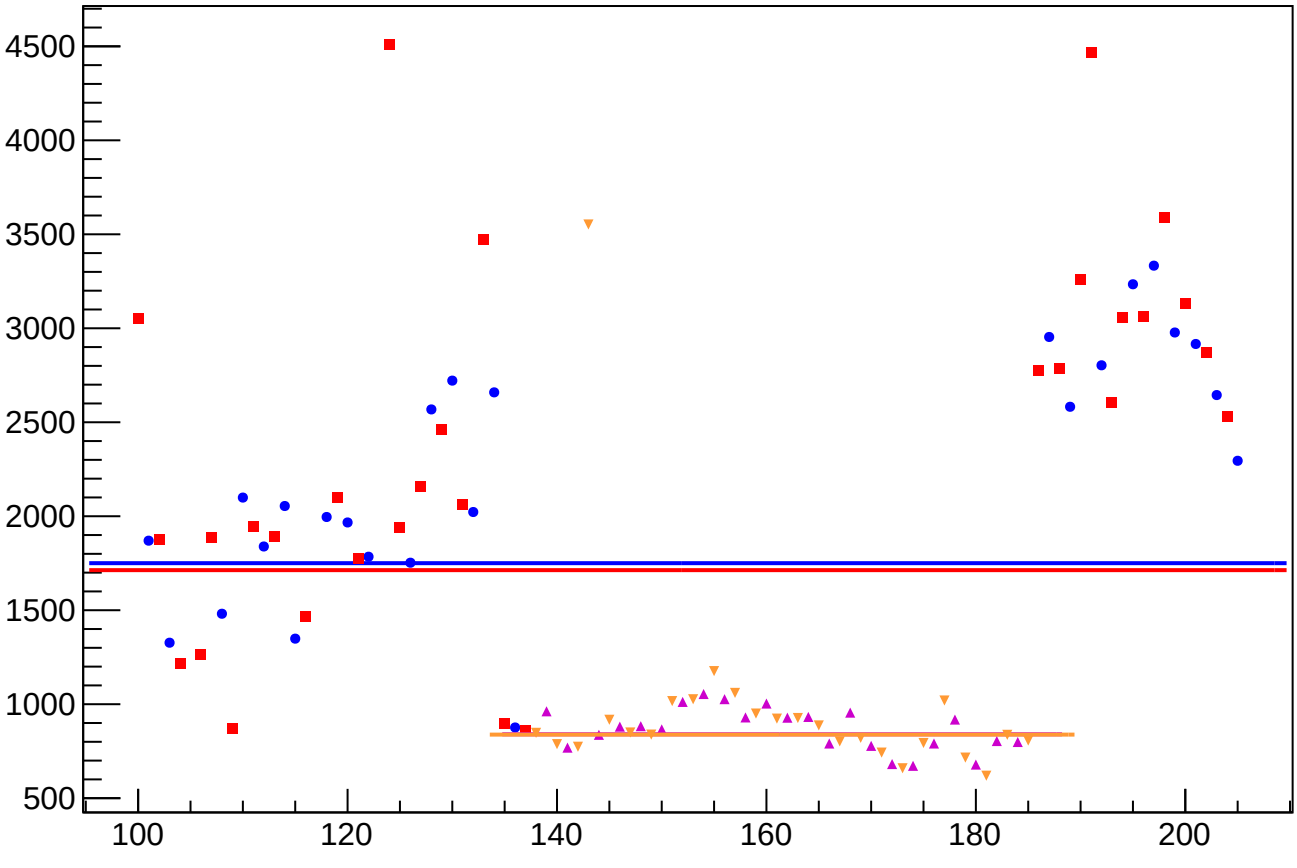
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 78.038+/-353.673 χ^2/NDF: 55.8/54

In: -98.216+/-184.940 χ^2/NDF:52.9/47

Out: 433.816+/-181.801 χ^2/NDF:92.2/54

All: 172.353+/-129.648 χ^2/NDF: 149.3/102



Right In: 1750.326+/-0.360 χ^2/NDF: 4376920.2/24

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1713.240+/-0.348 χ^2/NDF: 5686190.5/29

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

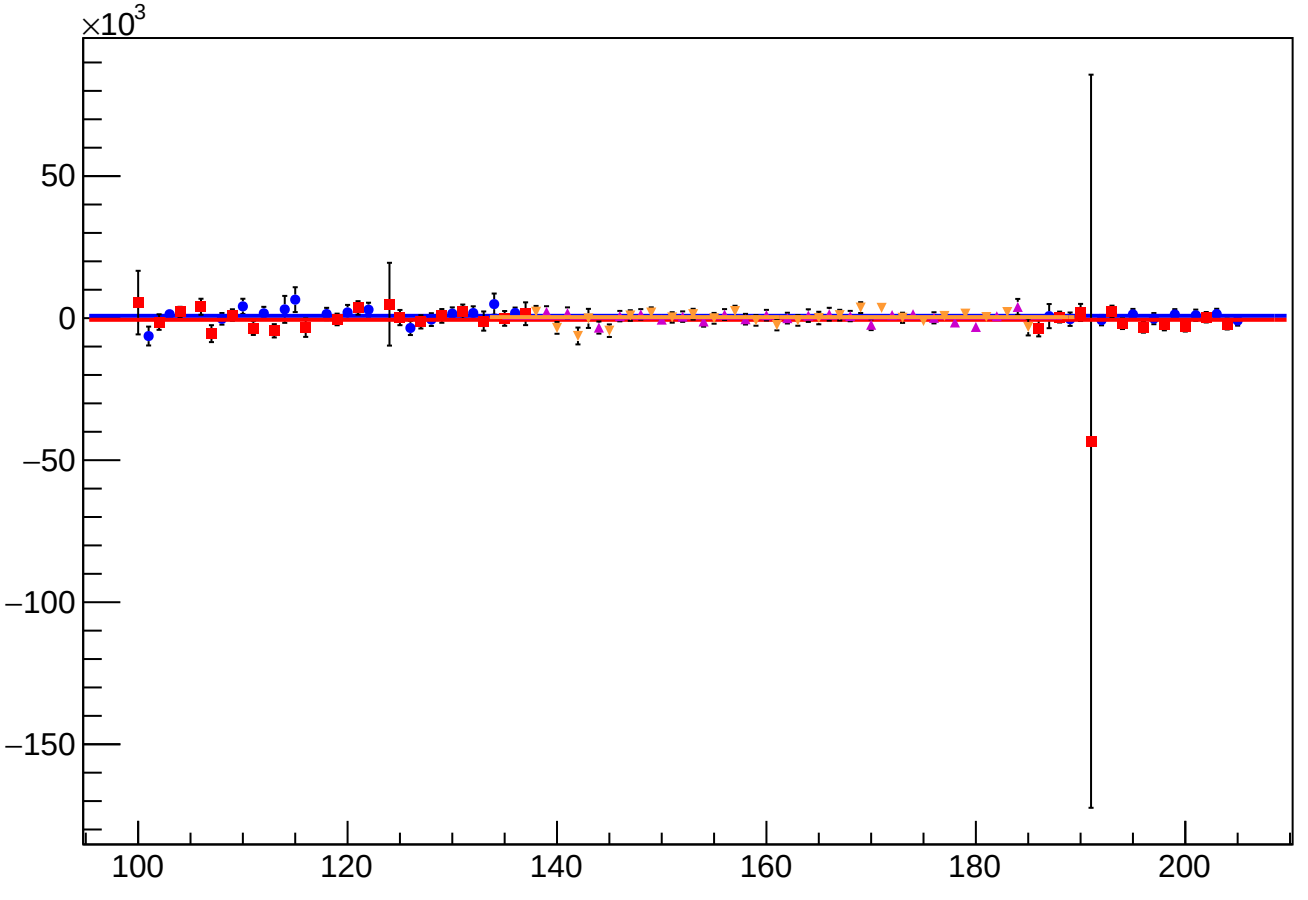
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1731.131+/-0.250 χ^2/NDF: 10068601.5/54

In: 960.065+/-0.131 χ^2/NDF:10595535.4/47

Out: 957.918+/-0.129 χ^2/NDF:12955641.9/54

All: 958.973+/-0.092 χ^2/NDF: 23551314.5/10



Right In: 817.724+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: -584.817+/-440.739 χ^2/NDF: 28.6/29

Left In: 156.934+/-394.258 χ^2/NDF:16.0/22

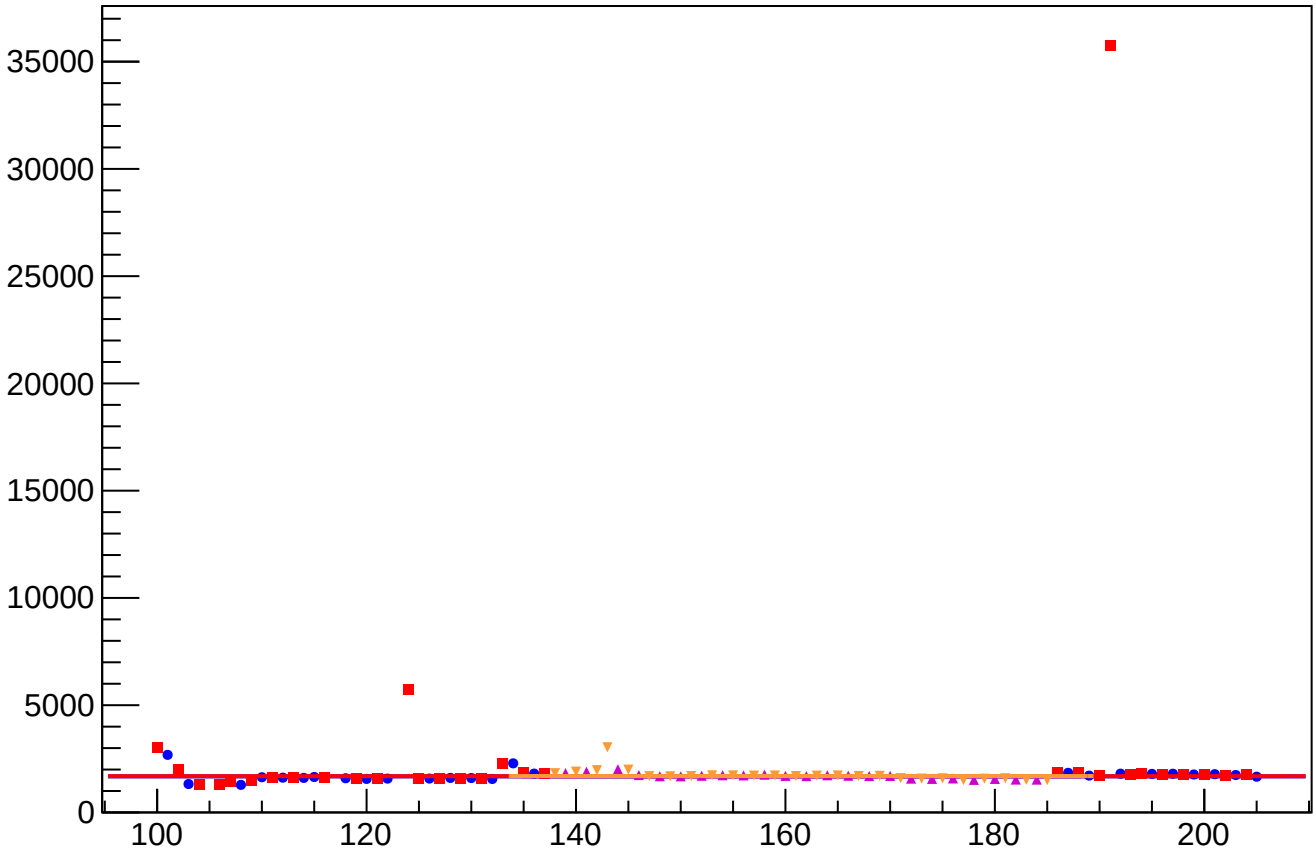
Left: 260.849+/-276.591 χ^2/NDF: 45.7/47

Right: 99.018+/-315.500 χ^2/NDF: 50.6/54

In: 442.568+/-297.067 χ^2/NDF:34.3/47

Out: -51.804+/-291.283 χ^2/NDF:60.7/54

All: 190.523+/-207.983 χ^2/NDF: 96.5/102



Right In: 1681.164+/-0.319 χ^2/NDF: 469833.0/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1691.102+/-0.312 χ^2/NDF: 670828.3/29

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

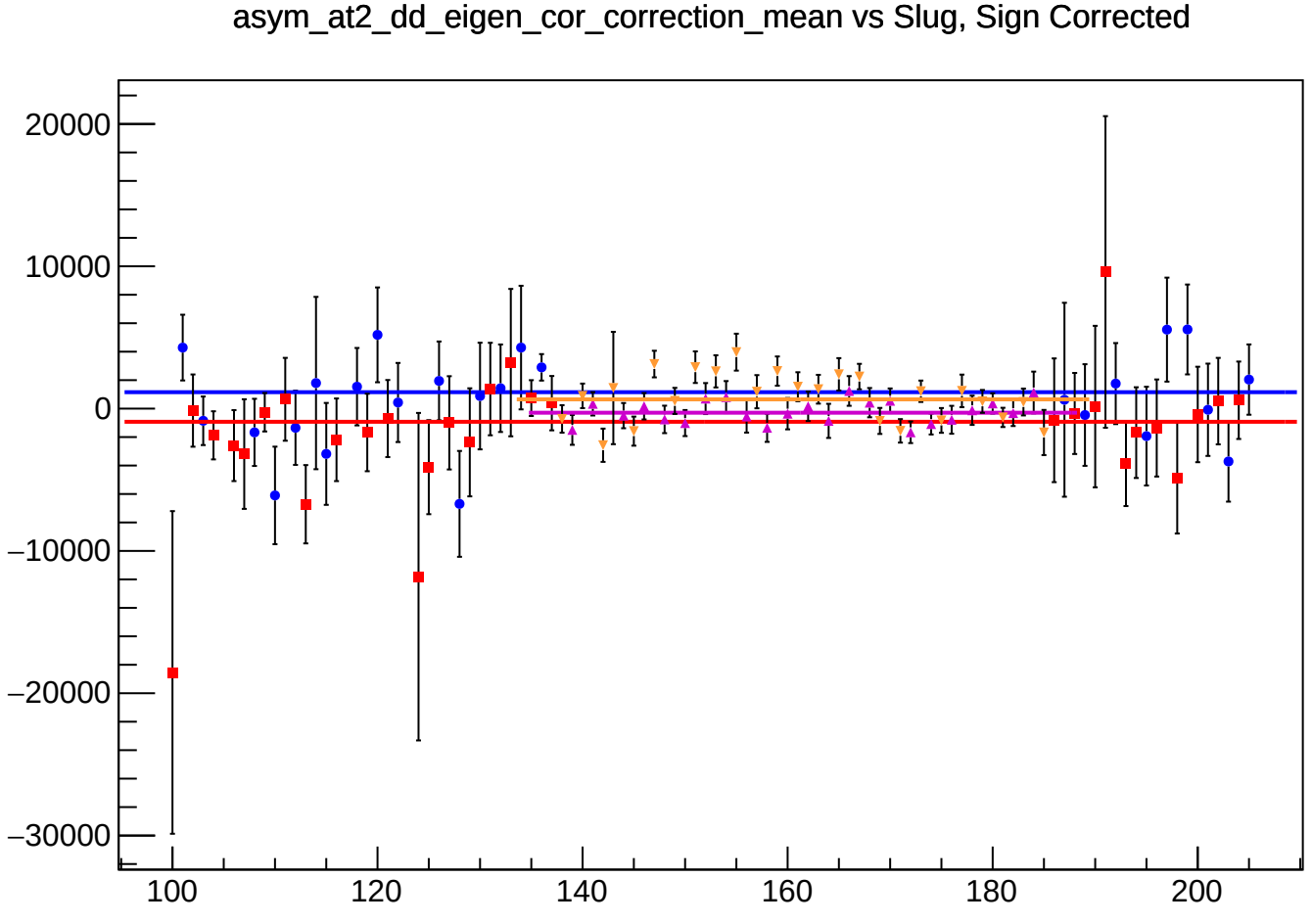
Left: 1691.137+/-0.196 χ^2/NDF: 661844.0/47

Right: 1686.257+/-0.223 χ^2/NDF: 1141157.0/54

In: 1683.102+/-0.210 χ^2/NDF:635253.4/47

Out: 1694.703+/-0.206 χ^2/NDF:1166463.2/54

All: 1689.016+/-0.147 χ^2/NDF: 1803271.6/10



Right In: 1154.657+/-509.197 χ^2/NDF: 29.4/24

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: -925.472+/-491.604 χ^2/NDF: 17.8/29

Left In: -288.602+/-198.495 χ^2/NDF:16.6/22

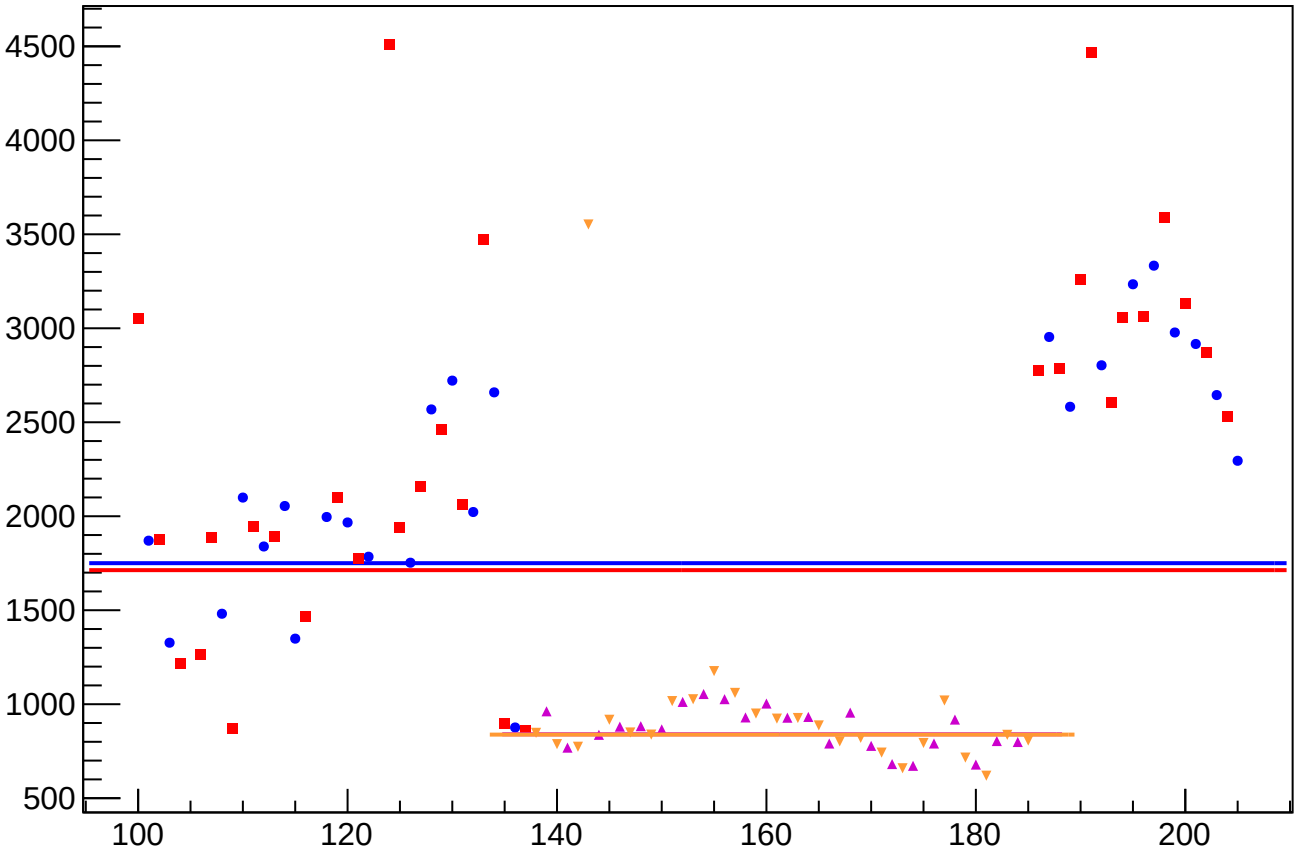
Left: 186.994+/-139.349 χ^2/NDF: 93.4/47

Right: 78.038+/-353.673 χ^2/NDF: 55.8/54

In: -98.216+/-184.940 χ^2/NDF:52.9/47

Out: 433.816+/-181.801 χ^2/NDF:92.2/54

All: 172.353+/-129.648 χ^2/NDF: 149.3/102



Right In: 1750.326+/-0.360 χ^2/NDF: 4376920.2/24

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1713.240+/-0.348 χ^2/NDF: 5686190.5/29

Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

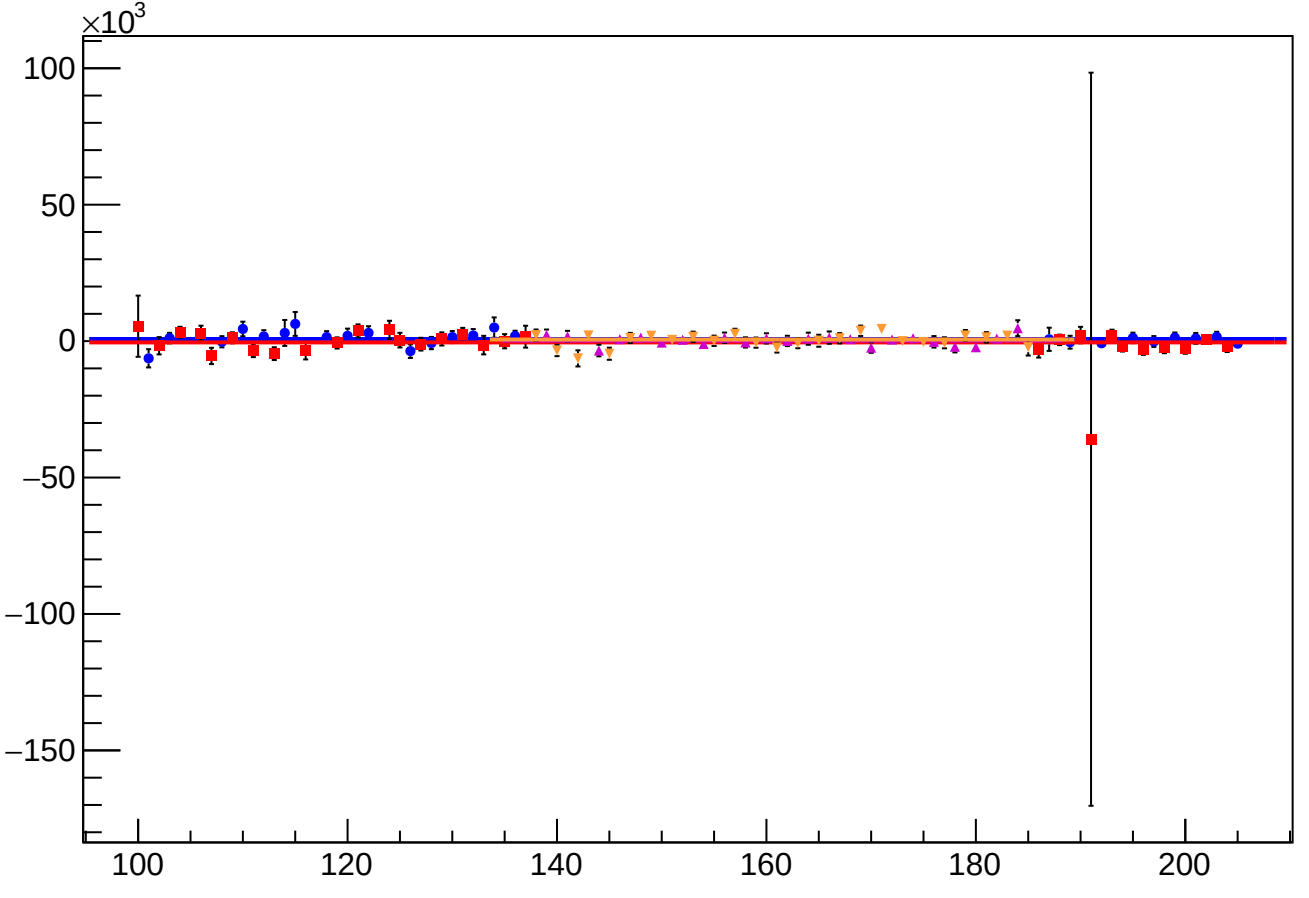
Left: 839.104+/-0.099 χ^2/NDF: 2469552.9/47

Right: 1731.131+/-0.250 χ^2/NDF: 10068601.5/54

In: 960.065+/-0.131 χ^2/NDF:10595535.4/47

Out: 957.918+/-0.129 χ^2/NDF:12955641.9/54

All: 958.973+/-0.092 χ^2/NDF: 23551314.5/10



Right In: 777.879+/-455.642 χ^2/NDF: 17.7/24

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: -469.065+/-441.255 χ^2/NDF: 30.9/29

Left In: 185.836+/-404.094 χ^2/NDF:14.4/22

Left: 390.183+/-280.536 χ^2/NDF: 46.9/47

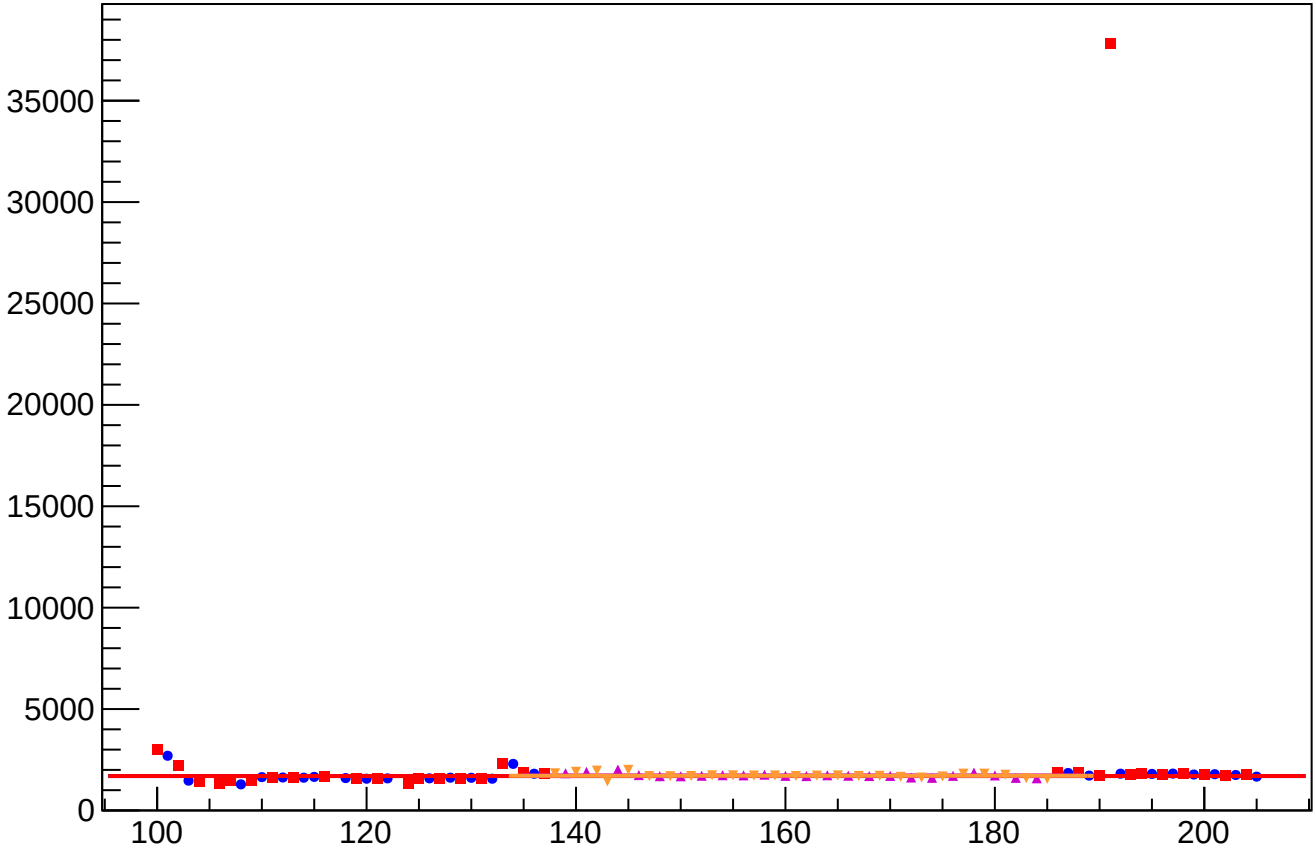
Right: 134.410+/-316.979 χ^2/NDF: 52.5/54

In: 446.487+/-302.327 χ^2/NDF:33.1/47

Out: 120.382+/-292.123 χ^2/NDF:66.0/54

All: 277.839+/-210.077 χ^2/NDF: 99.8/102

dit_asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 1697.063+/-0.322 χ^2/NDF: 413596.1/24

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1696.846+/-0.312 χ^2/NDF: 530710.7/29

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

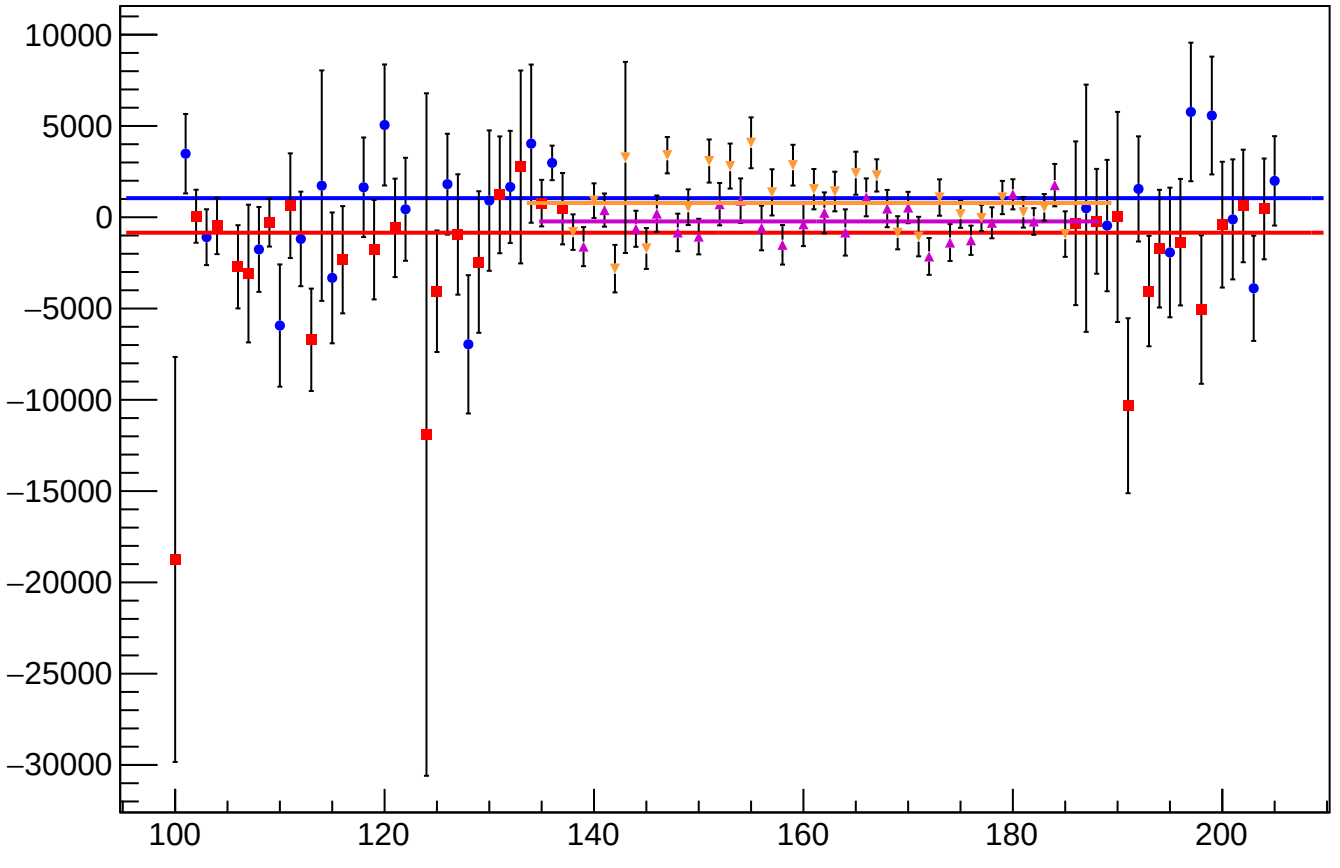
Left: 1719.520+/-0.198 χ^2/NDF: 269898.5/47

Right: 1696.951+/-0.224 χ^2/NDF: 944307.0/54

In: 1714.331+/-0.214 χ^2/NDF:518954.7/47

Out: 1705.196+/-0.207 χ^2/NDF:699992.1/54

All: 1709.607+/-0.149 χ^2/NDF: 1219891.0/10



Right In: 1046.163+/-506.067 χ^2/NDF: 29.7/24

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: -846.831+/-468.093 χ^2/NDF: 20.4/29

Left In: -228.879+/-206.703 χ^2/NDF:22.6/22

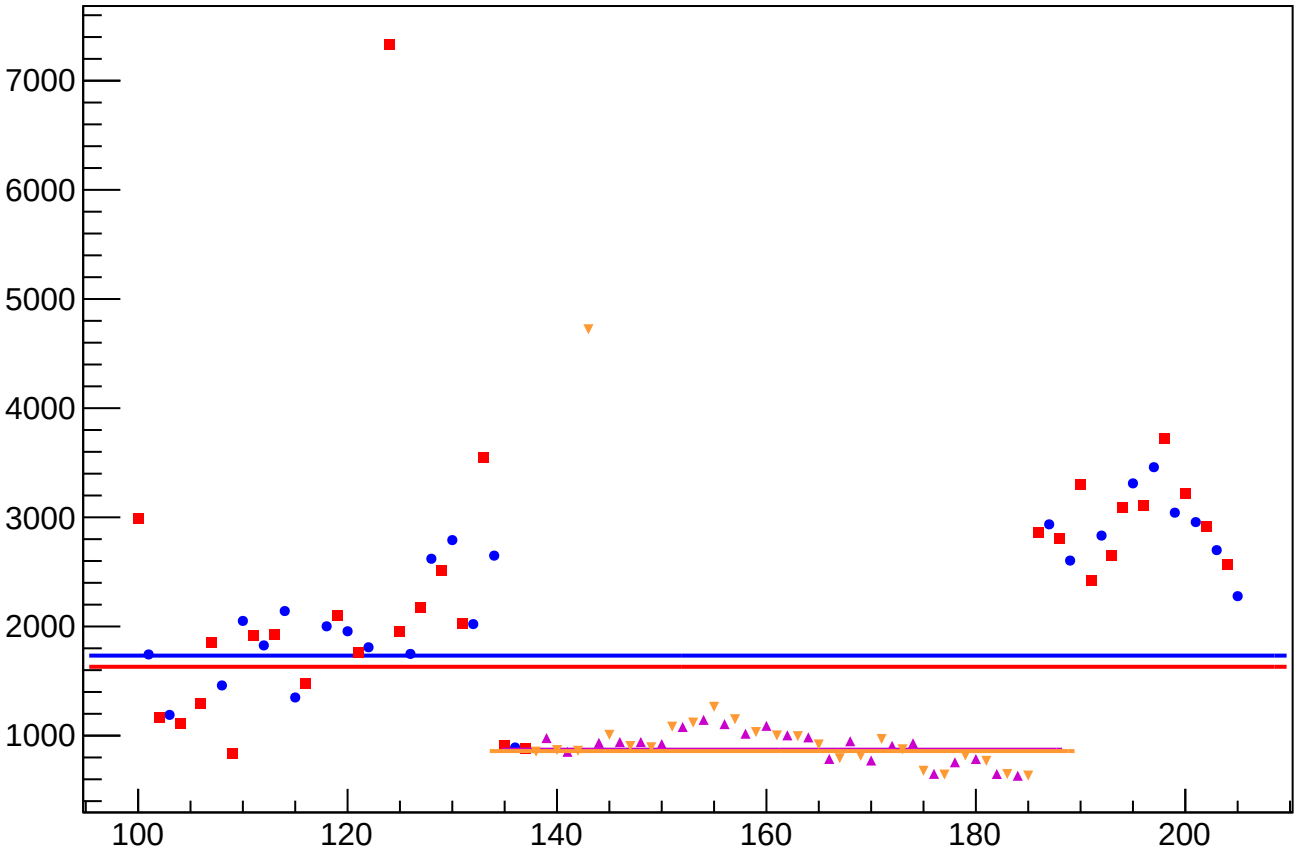
Left: 287.540+/-144.338 χ^2/NDF: 89.3/47

Right: 25.985+/-343.633 χ^2/NDF: 57.6/54

In: -46.575+/-191.357 χ^2/NDF:57.7/47

Out: 524.503+/-185.190 χ^2/NDF:85.1/54

All: 248.315+/-133.076 χ^2/NDF: 147.4/102



Right In: 1733.142+/-0.358 χ^2/NDF: 4523589.7/24

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1630.880+/-0.331 χ^2/NDF: 6194161.8/29

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

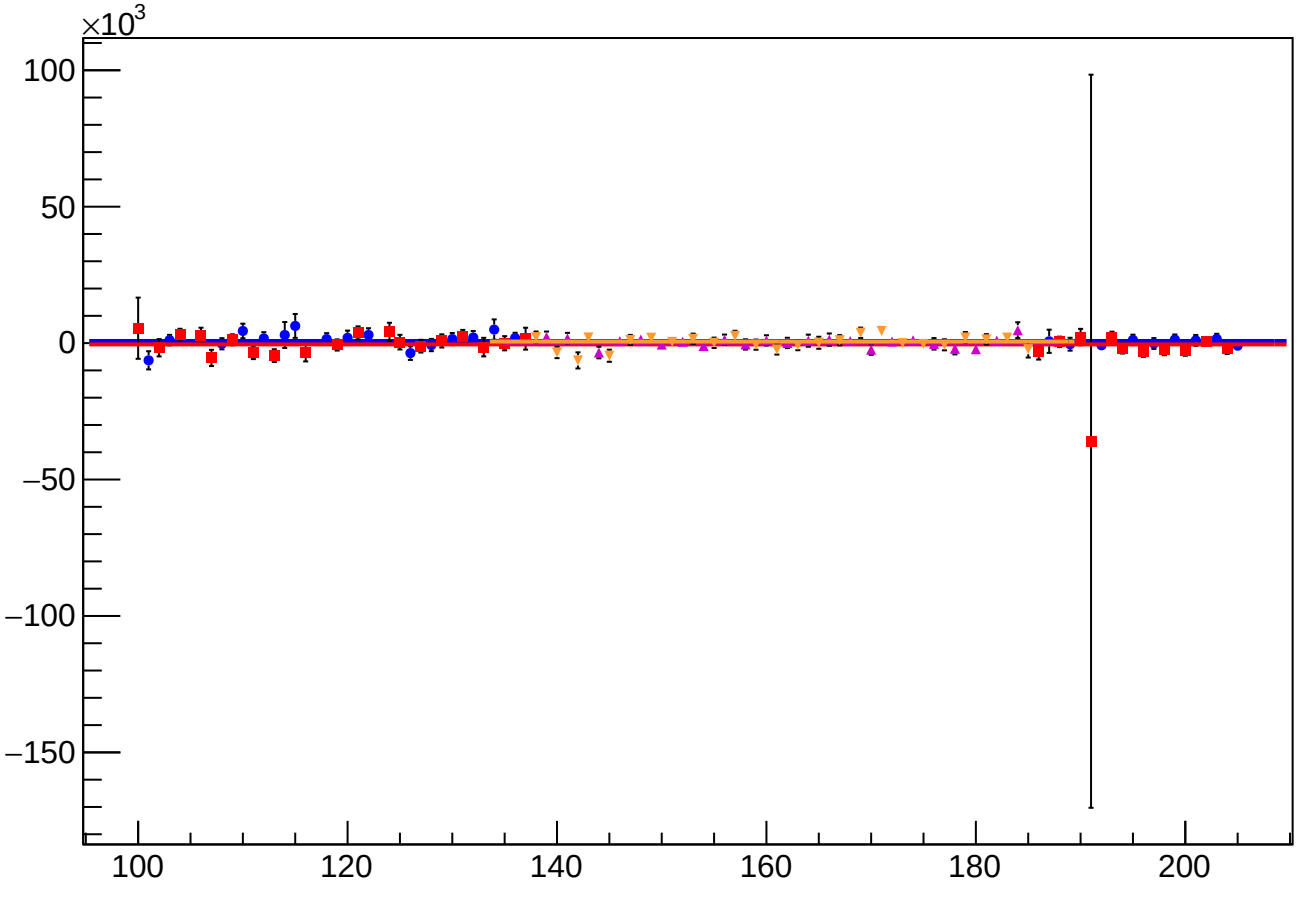
Left: 864.899+/-0.102 χ^2/NDF: 3263143.5/47

Right: 1678.030+/-0.243 χ^2/NDF: 10761763.2/54

In: 994.719+/-0.135 χ^2/NDF:10471521.9/47

Out: 979.471+/-0.131 χ^2/NDF:13065905.1/54

All: 986.845+/-0.094 χ^2/NDF: 23543984.4/10



Right In: 777.880+/-455.642 χ^2/NDF: 17.7/24

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: -469.065+/-441.255 χ^2/NDF: 30.9/29

Left In: 185.837+/-404.094 χ^2/NDF:14.4/22

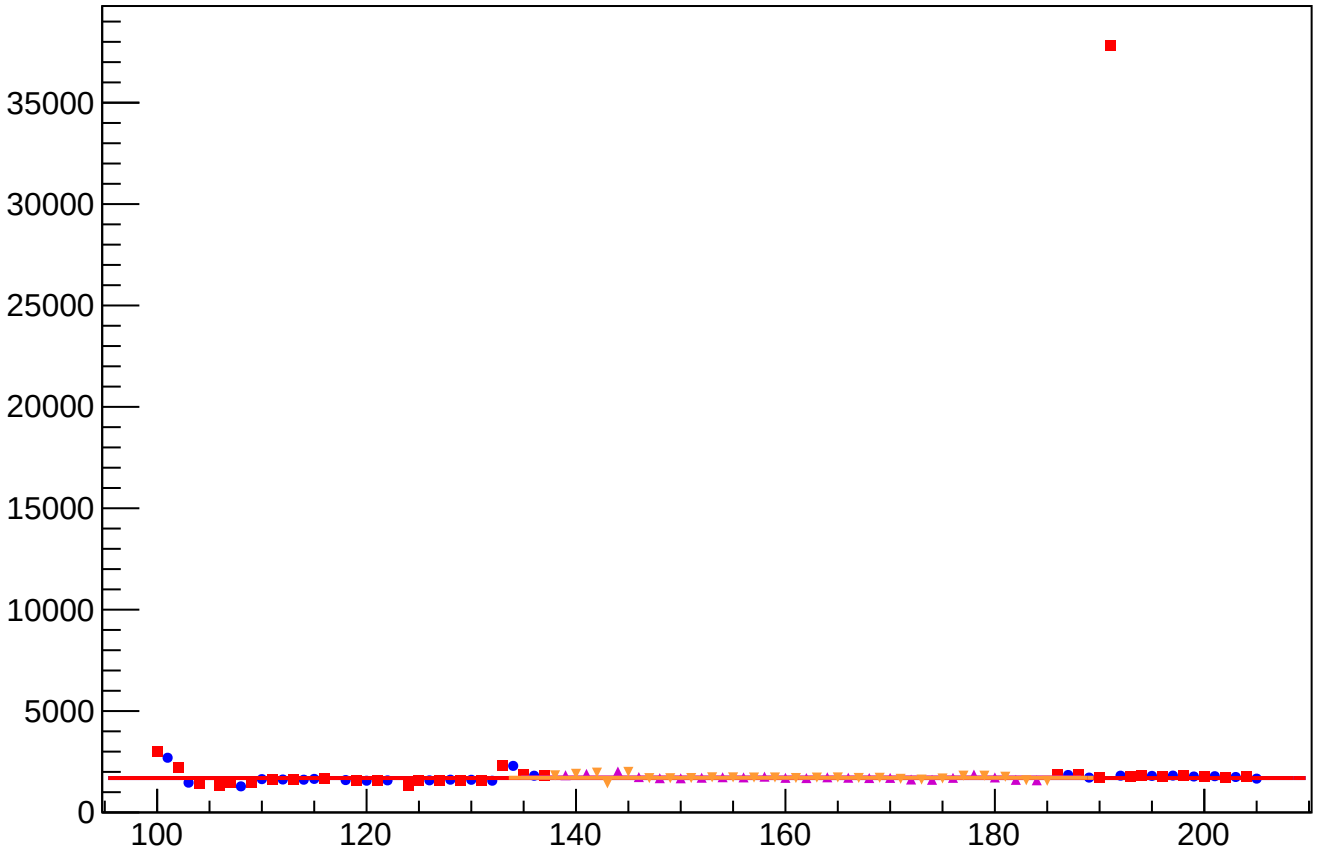
Left: 390.181+/-280.536 χ^2/NDF: 46.9/47

Right: 134.410+/-316.979 χ^2/NDF: 52.5/54

In: 446.488+/-302.327 χ^2/NDF:33.1/47

Out: 120.380+/-292.123 χ^2/NDF:66.0/54

All: 277.838+/-210.077 χ^2/NDF: 99.8/102



Right In: 1697.063+/-0.322 χ^2/NDF: 413595.8/24

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1696.846+/-0.312 χ^2/NDF: 530710.9/29

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

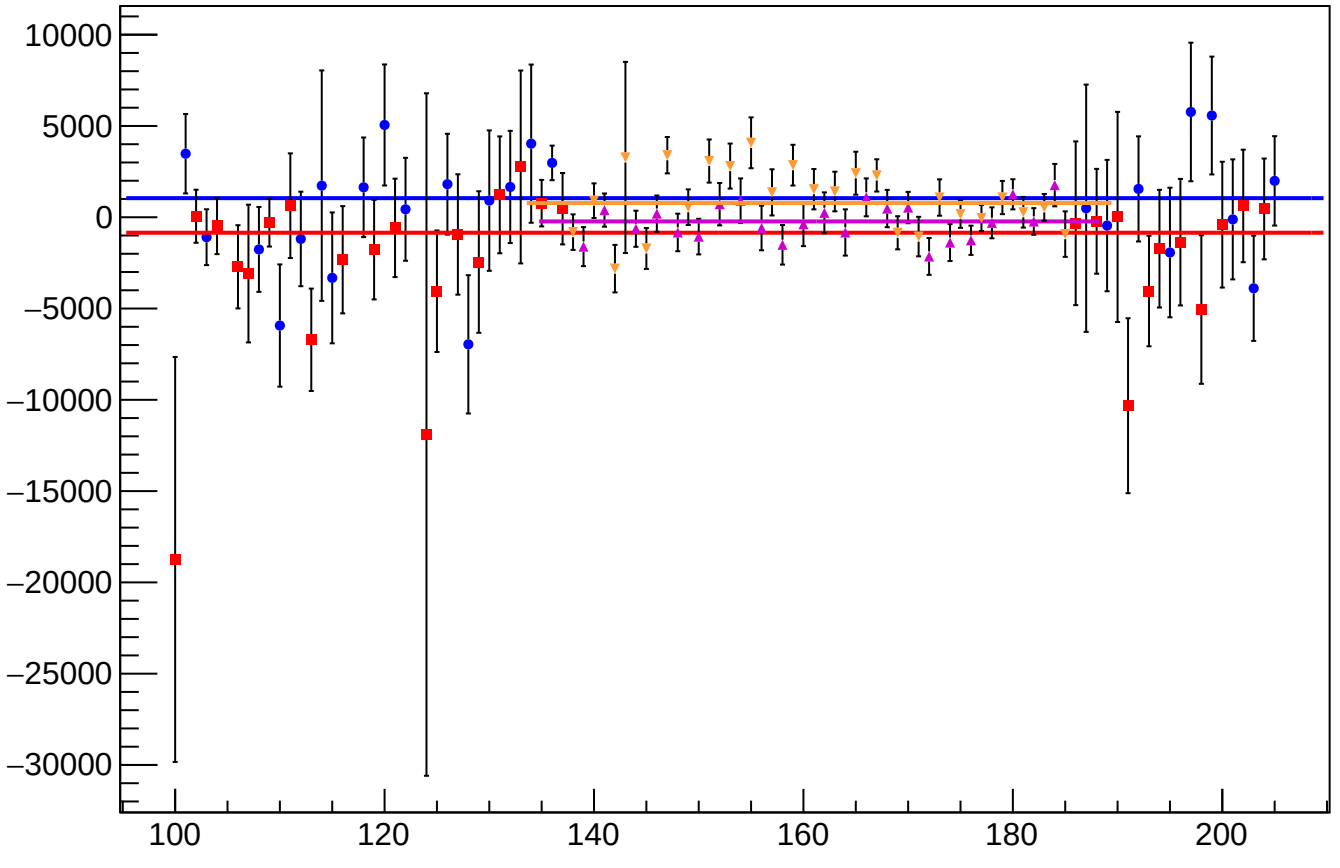
Left: 1719.519+/-0.198 χ^2/NDF: 269897.2/47

Right: 1696.951+/-0.224 χ^2/NDF: 944307.0/54

In: 1714.330+/-0.214 χ^2/NDF:518954.4/47

Out: 1705.196+/-0.207 χ^2/NDF:699991.1/54

All: 1709.606+/-0.149 χ^2/NDF: 1219889.6/10



Right In: 1046.154+/-506.070 χ^2/NDF: 29.7/24

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: -846.844+/-468.095 χ^2/NDF: 20.4/29

Left In: -228.876+/-206.703 χ^2/NDF:22.6/22

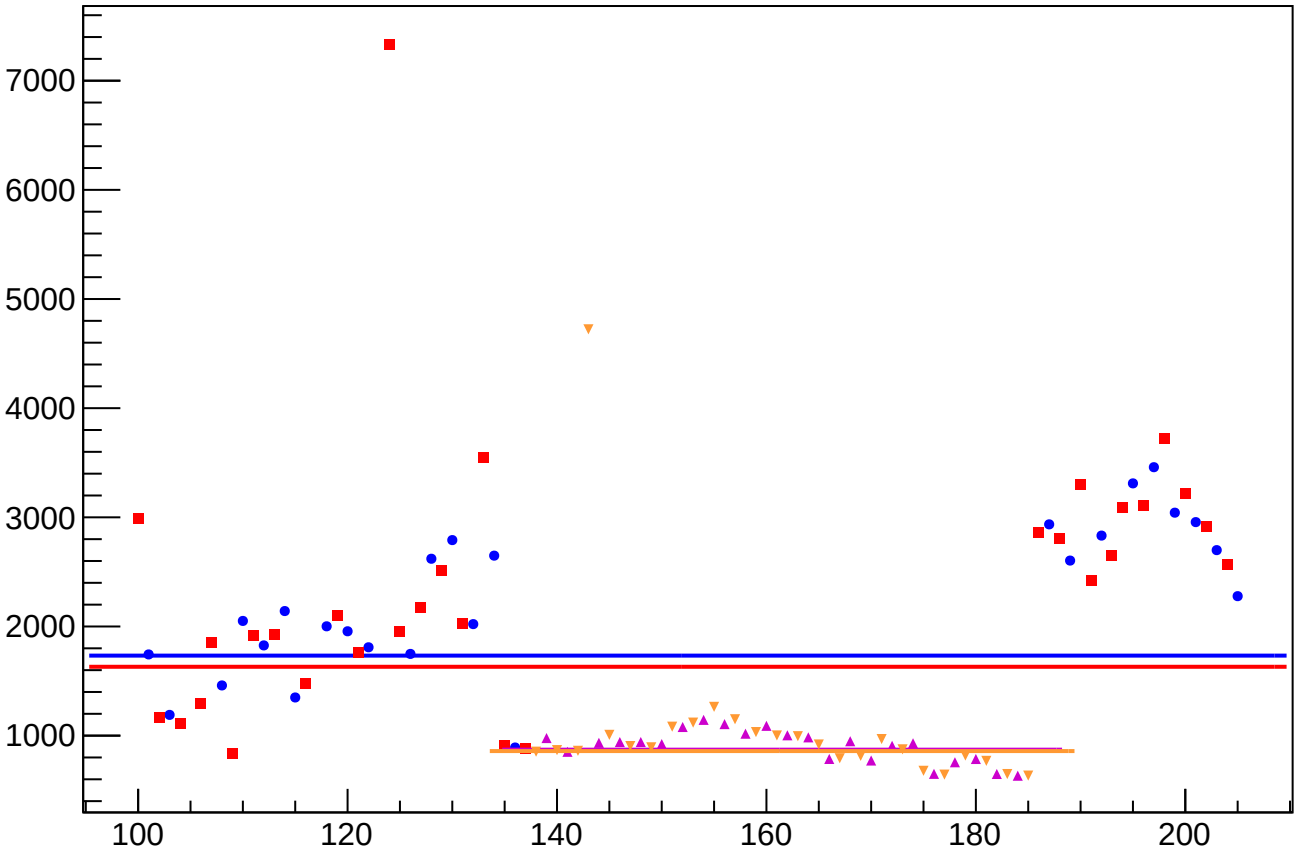
Left: 287.542+/-144.338 χ^2/NDF: 89.3/47

Right: 25.974+/-343.635 χ^2/NDF: 57.6/54

In: -46.577+/-191.357 χ^2/NDF:57.7/47

Out: 524.506+/-185.190 χ^2/NDF:85.1/54

All: 248.315+/-133.076 χ^2/NDF: 147.4/102



Right In: 1733.157+/-0.358 χ^2/NDF: 4523433.8/24

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1630.894+/-0.331 χ^2/NDF: 6194023.3/29

Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

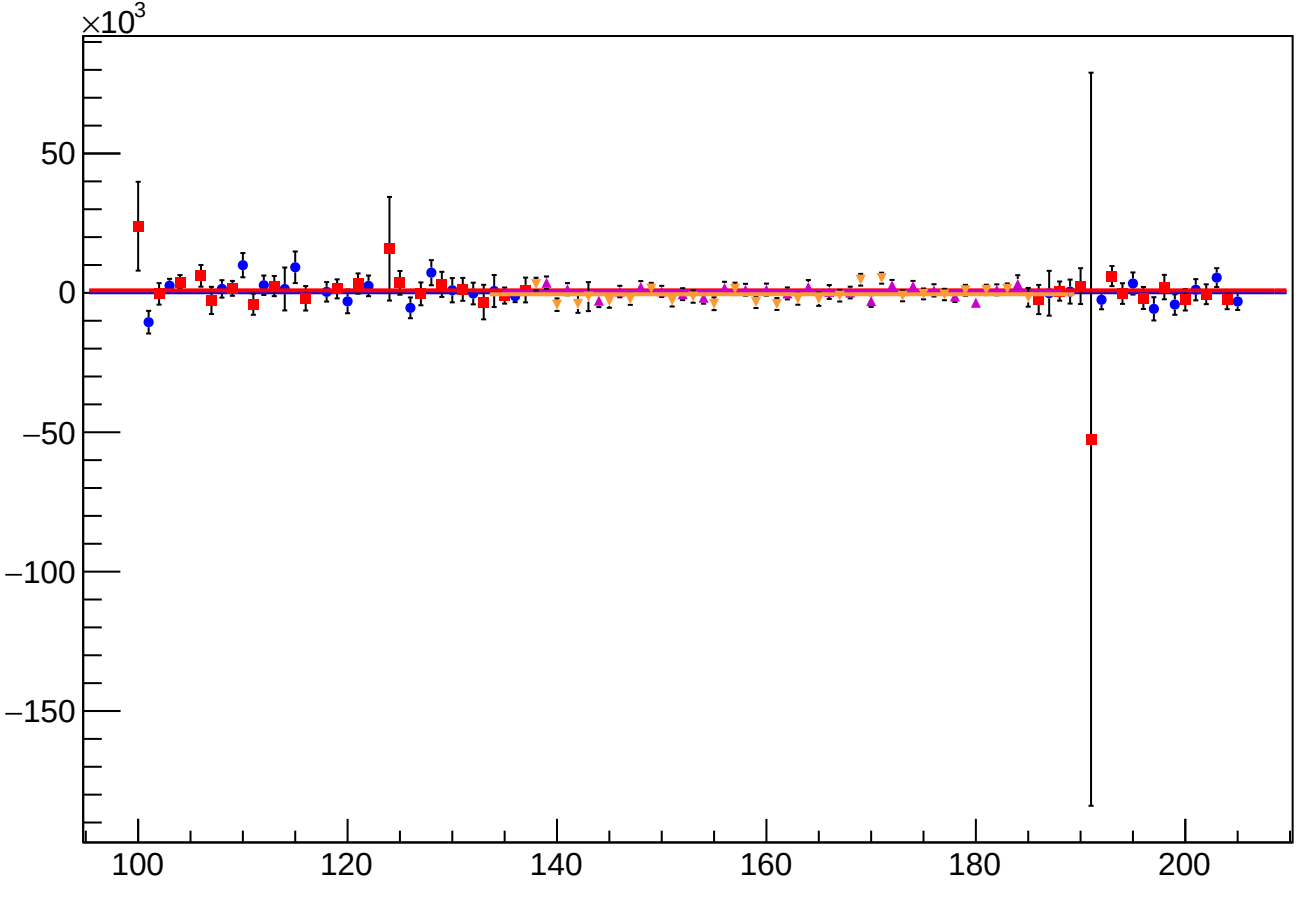
Left: 864.899+/-0.102 χ^2/NDF: 3263137.5/47

Right: 1678.045+/-0.243 χ^2/NDF: 10761469.1/54

In: 994.719+/-0.135 χ^2/NDF:10471512.2/47

Out: 979.472+/-0.131 χ^2/NDF:13065879.4/54

All: 986.846+/-0.094 χ^2/NDF: 23543947.9/10



Right In: 218.853+/-740.506 χ^2/NDF: 30.6/24

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: 899.280+/-723.900 χ^2/NDF: 16.3/29

Left In: 411.323+/-444.573 χ^2/NDF:18.9/22

Left: -49.903+/-312.701 χ^2/NDF: 56.9/47

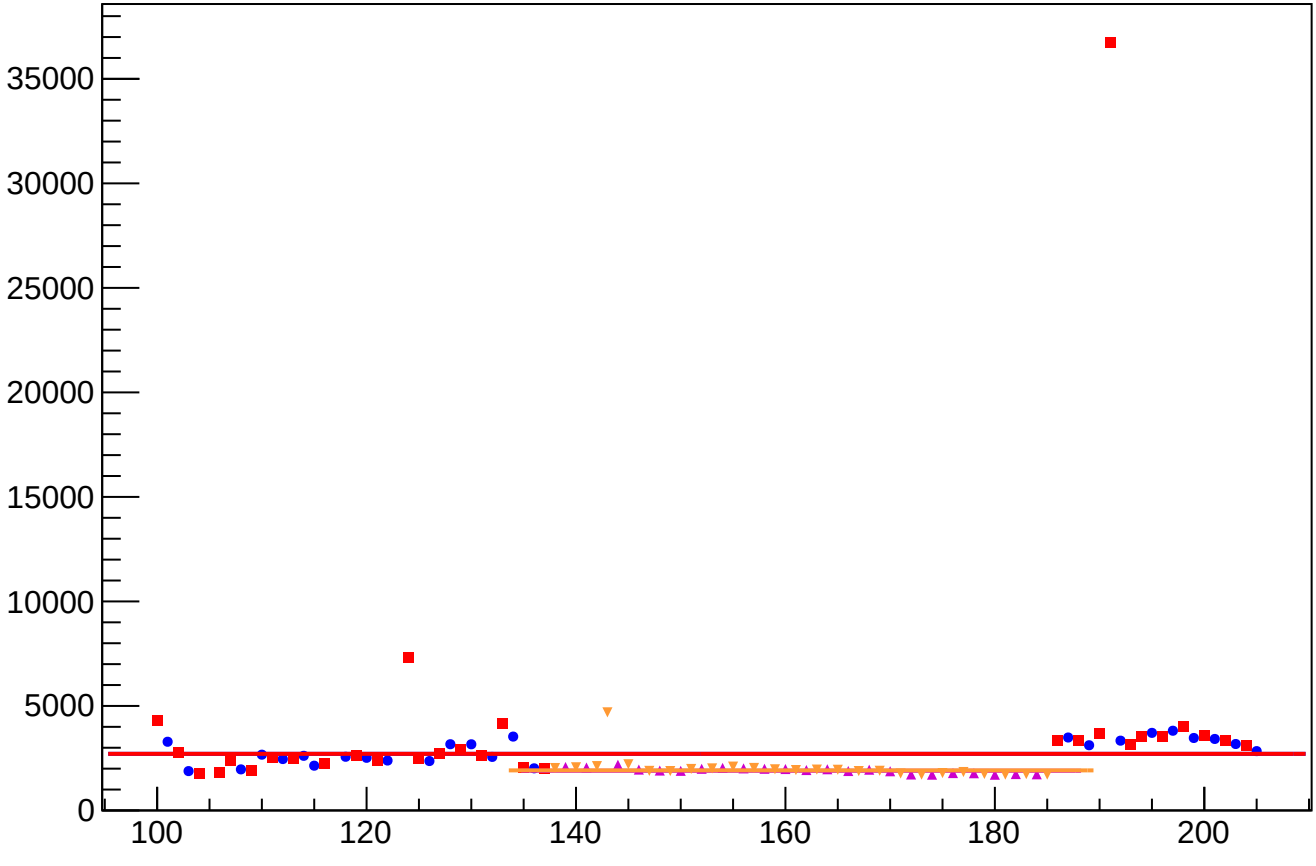
Right: 566.781+/-517.646 χ^2/NDF: 47.3/54

In: 360.330+/-381.157 χ^2/NDF:49.5/47

Out: -123.720+/-375.941 χ^2/NDF:55.0/54

All: 114.971+/-267.656 χ^2/NDF: 105.3/102

asym_at2_dd_rms vs Slug, Sign Corrected



Right In: 2708.096+/-0.524 χ^2/NDF: 1315607.2/24

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2708.810+/-0.512 χ^2/NDF: 1943412.7/29

Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

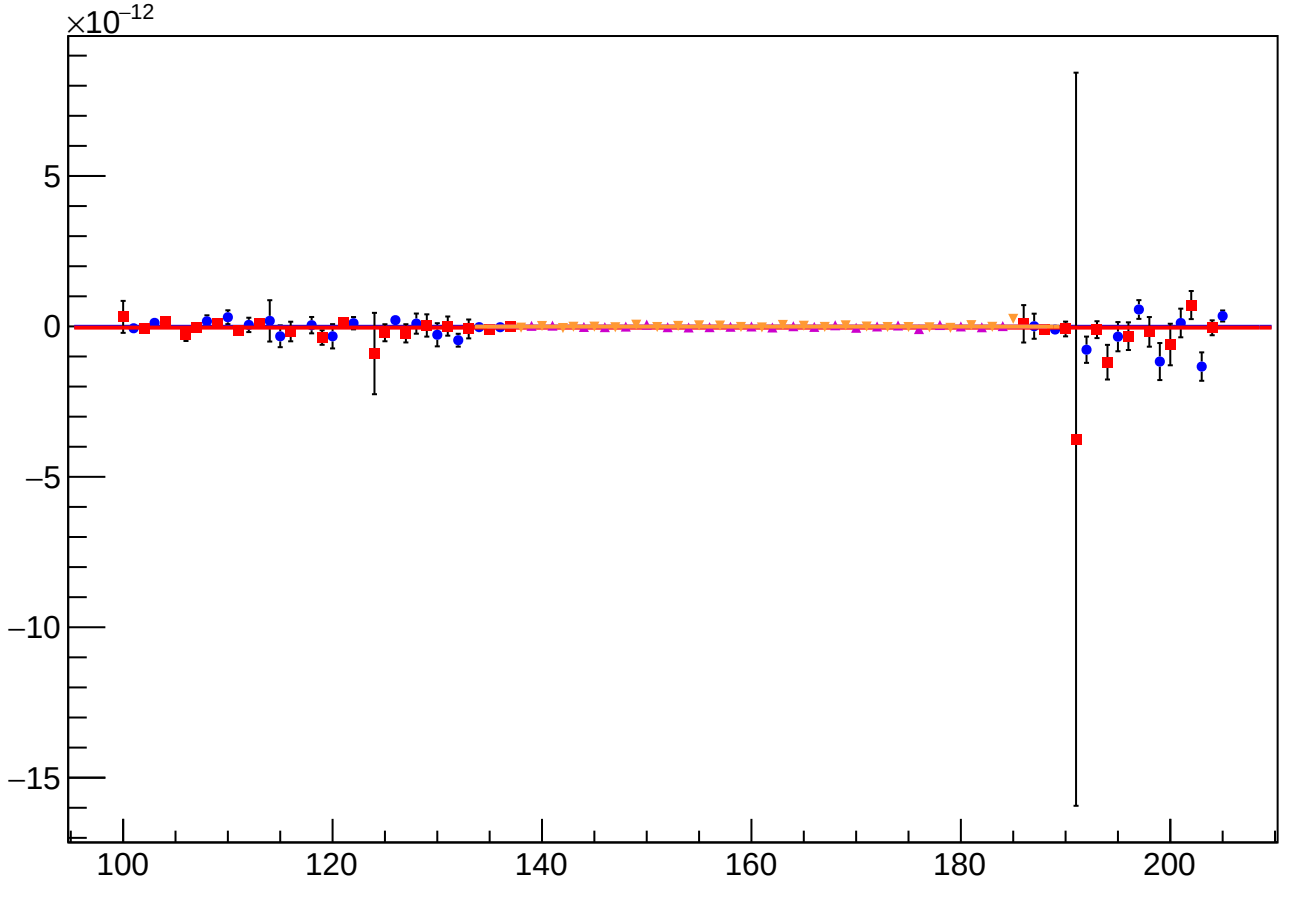
Left: 1908.296+/-0.221 χ^2/NDF: 931402.4/47

Right: 2708.461+/-0.366 χ^2/NDF: 3259020.9/54

In: 2113.544+/-0.270 χ^2/NDF:3242993.8/47

Out: 2130.669+/-0.266 χ^2/NDF:4446609.4/54

All: 2122.225+/-0.189 χ^2/NDF: 7691649.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.4/29

Left In: -0.000+/-0.000 χ^2/NDF:25.0/22

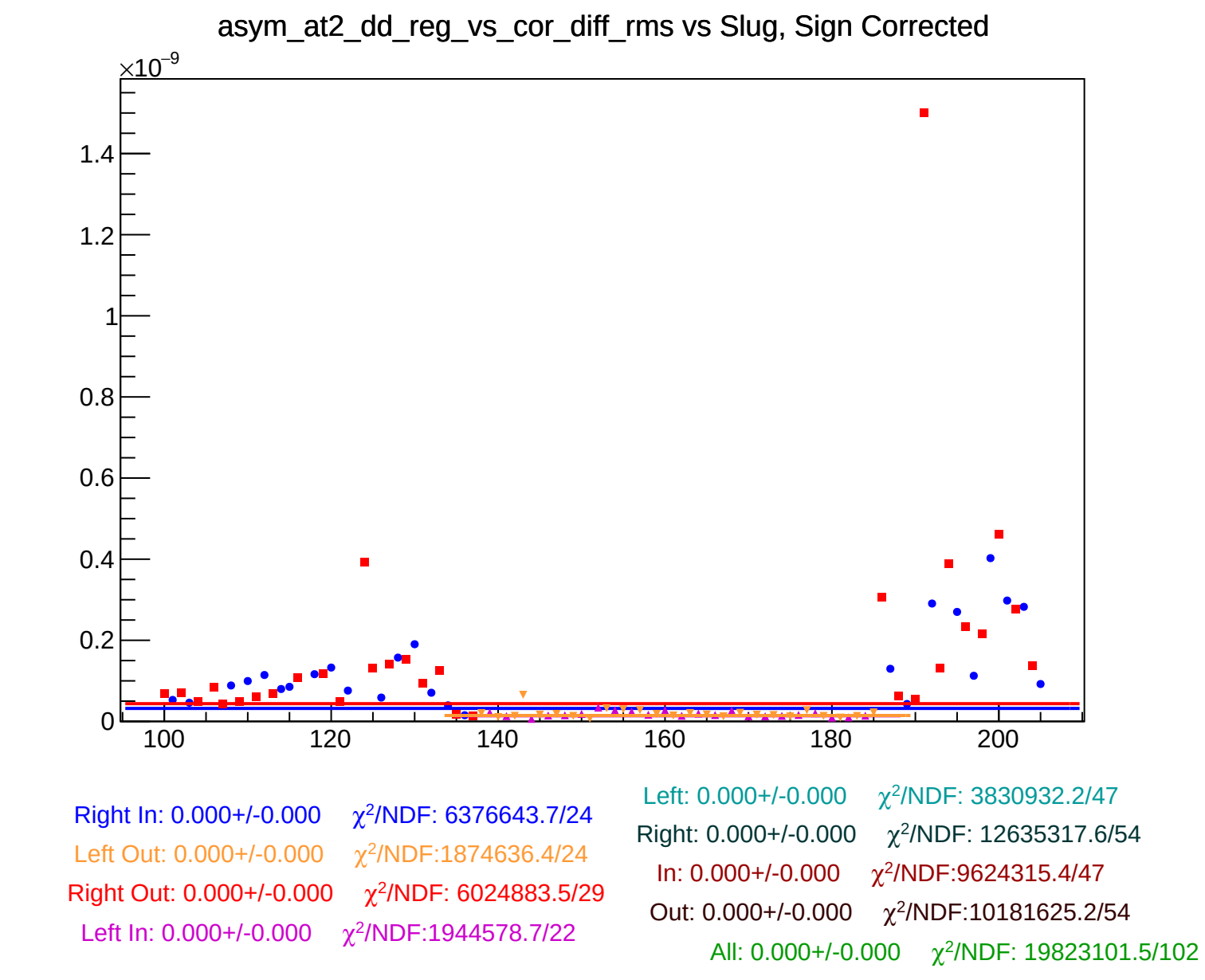
Left: -0.000+/-0.000 χ^2/NDF: 53.6/47

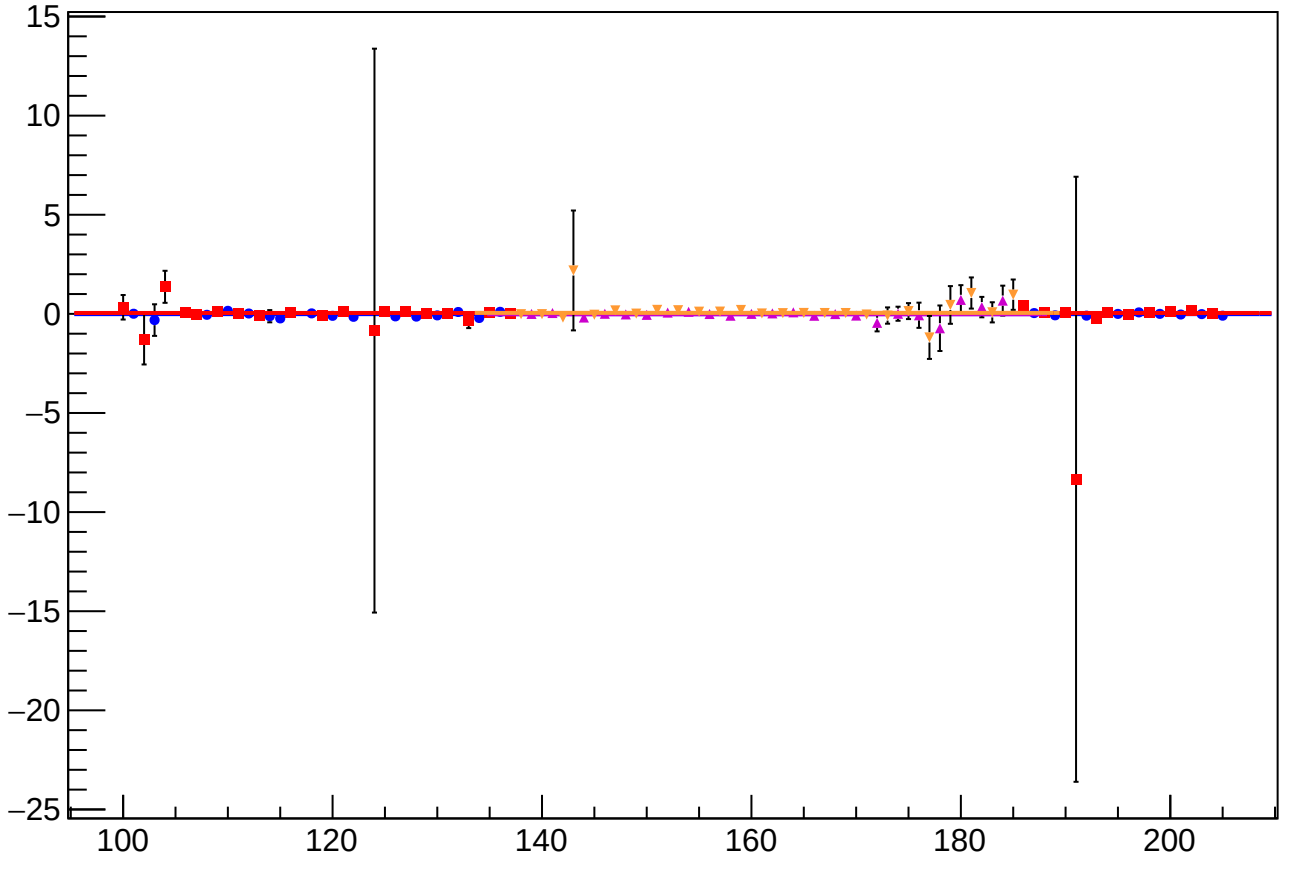
Right: -0.000+/-0.000 χ^2/NDF: 61.4/54

In: -0.000+/-0.000 χ^2/NDF:62.5/47

Out: -0.000+/-0.000 χ^2/NDF:53.5/54

All: -0.000+/-0.000 χ^2/NDF: 116.0/102


asym_at2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6376643.7/24
Left Out: 0.000+/-0.000 χ²/NDF:1874636.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6024883.5/29
Left In: 0.000+/-0.000 χ²/NDF:1944578.7/22
Left: 0.000+/-0.000 χ²/NDF: 3830932.2/47
Right: 0.000+/-0.000 χ²/NDF: 12635317.6/54
In: 0.000+/-0.000 χ²/NDF:9624315.4/47
Out: 0.000+/-0.000 χ²/NDF:10181625.2/54
All: 0.000+/-0.000 χ²/NDF: 19823101.5/102



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

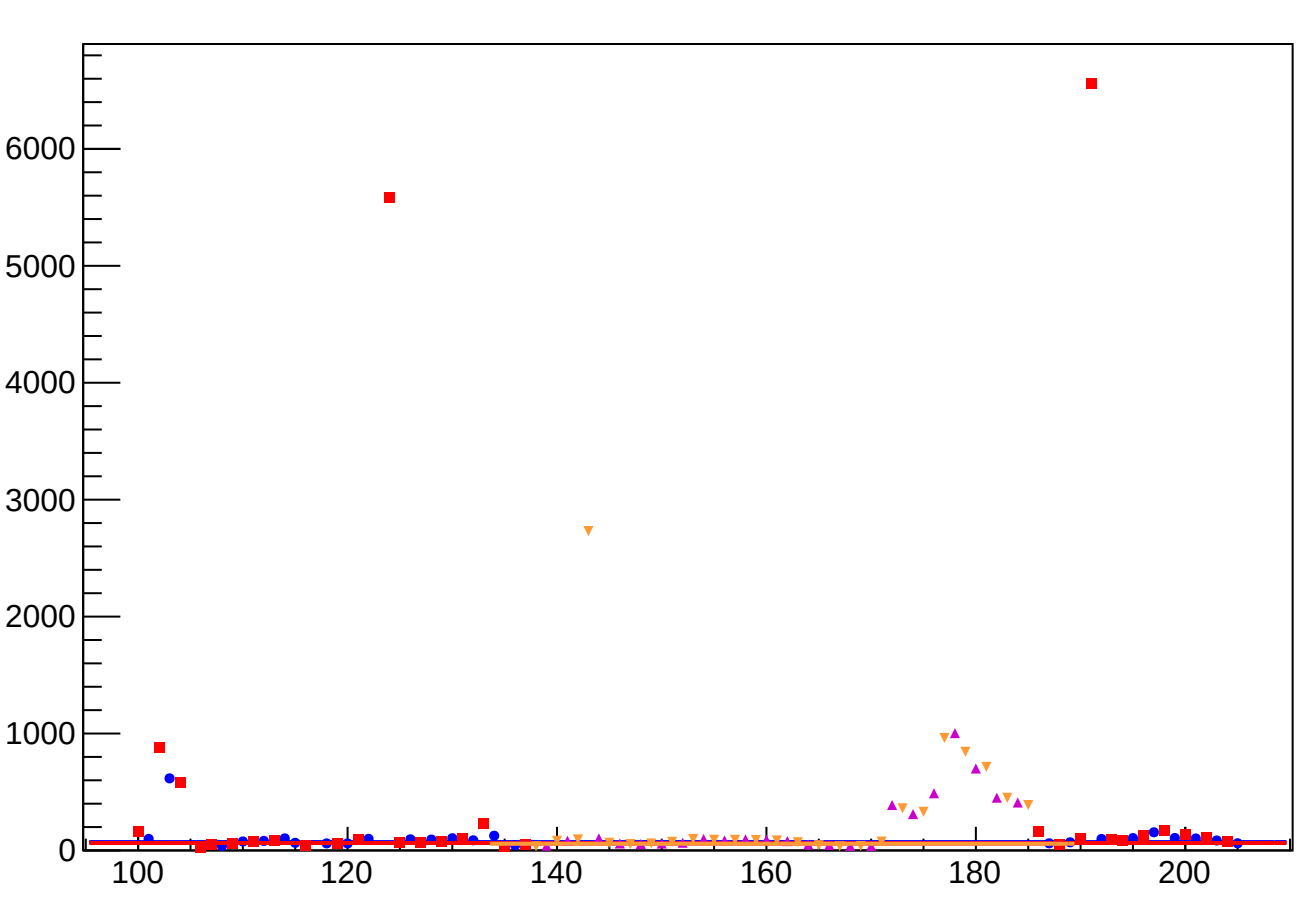
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.018+/-0.015 χ^2/NDF: 44.1/54

In: -0.017+/-0.013 χ^2/NDF:31.7/47

Out: 0.048+/-0.013 χ^2/NDF:48.3/54

All: 0.016+/-0.009 χ^2/NDF: 92.1/102



Right In: 71.555+/-0.015 χ^2/NDF: 3764023.3/24

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.740+/-0.014 χ^2/NDF: 7138691.9/29

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

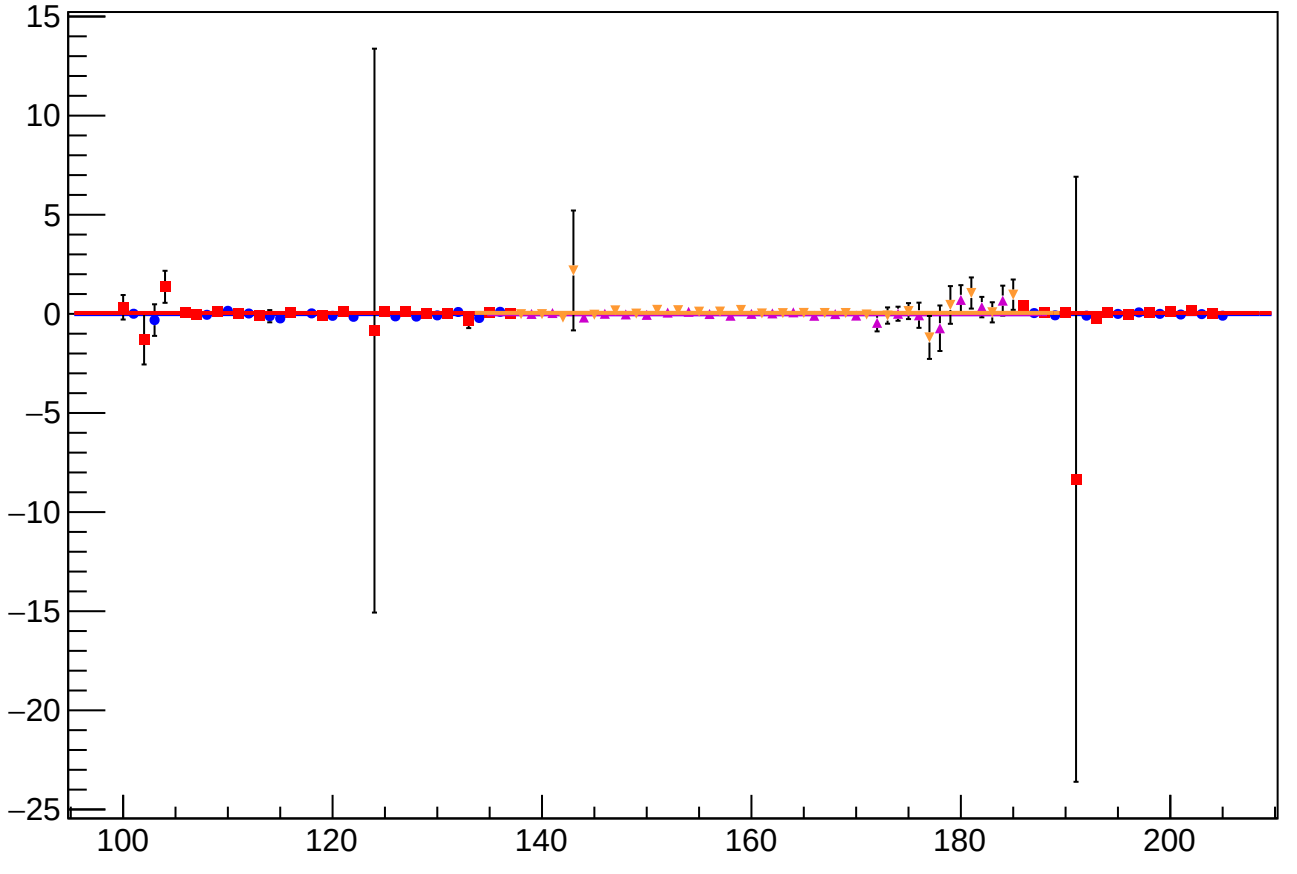
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 67.343+/-0.010 χ^2/NDF: 11044584.4/54

In: 63.606+/-0.009 χ^2/NDF:14456217.1/47

Out: 59.994+/-0.009 χ^2/NDF:19582958.4/54

All: 61.737+/-0.007 χ^2/NDF: 34114296.4/102



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

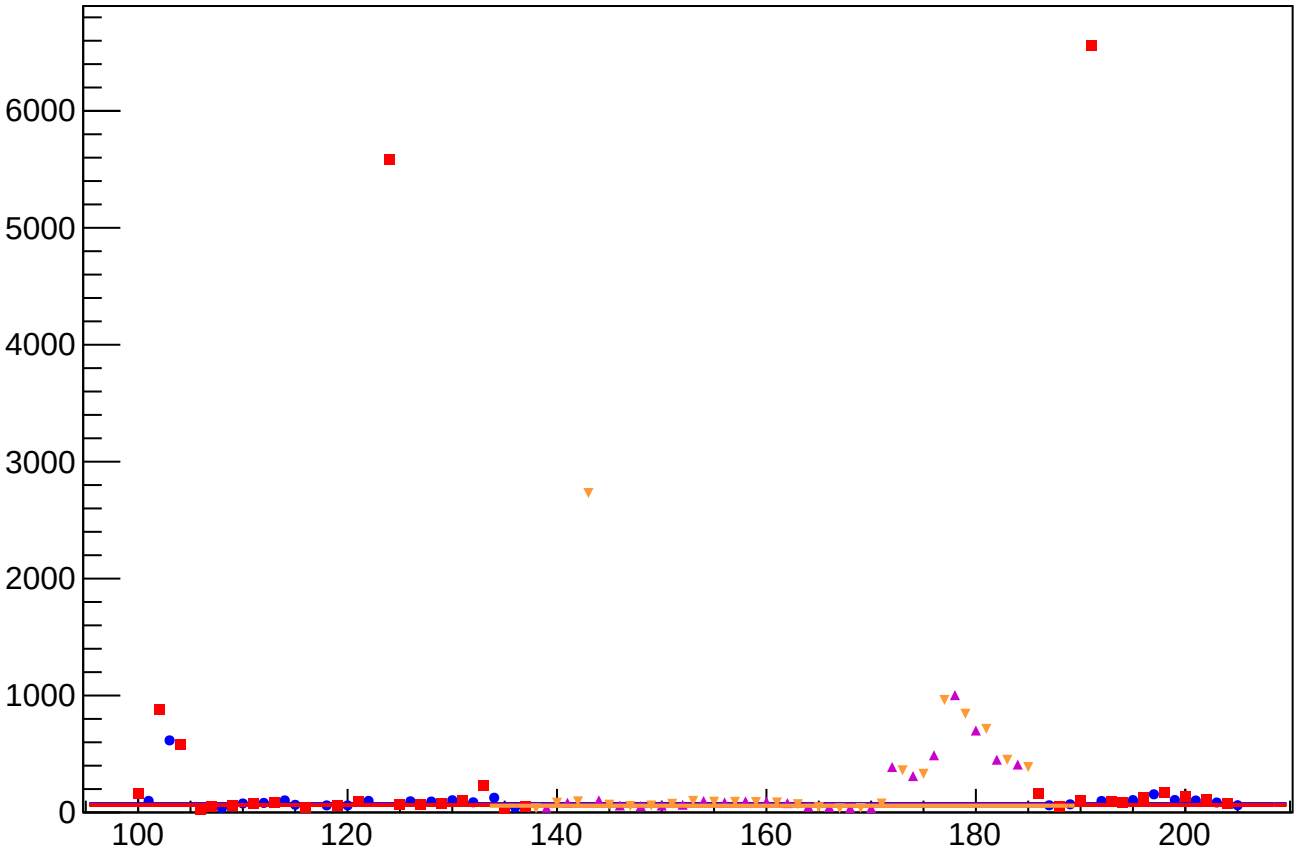
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.018+/-0.015 χ^2/NDF: 44.1/54

In: -0.017+/-0.013 χ^2/NDF:31.7/47

Out: 0.048+/-0.013 χ^2/NDF:48.3/54

All: 0.016+/-0.009 χ^2/NDF: 92.1/102



Right In: 71.555+/-0.015 χ^2/NDF: 3764023.3/24

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 63.740+/-0.014 χ^2/NDF: 7138691.9/29

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

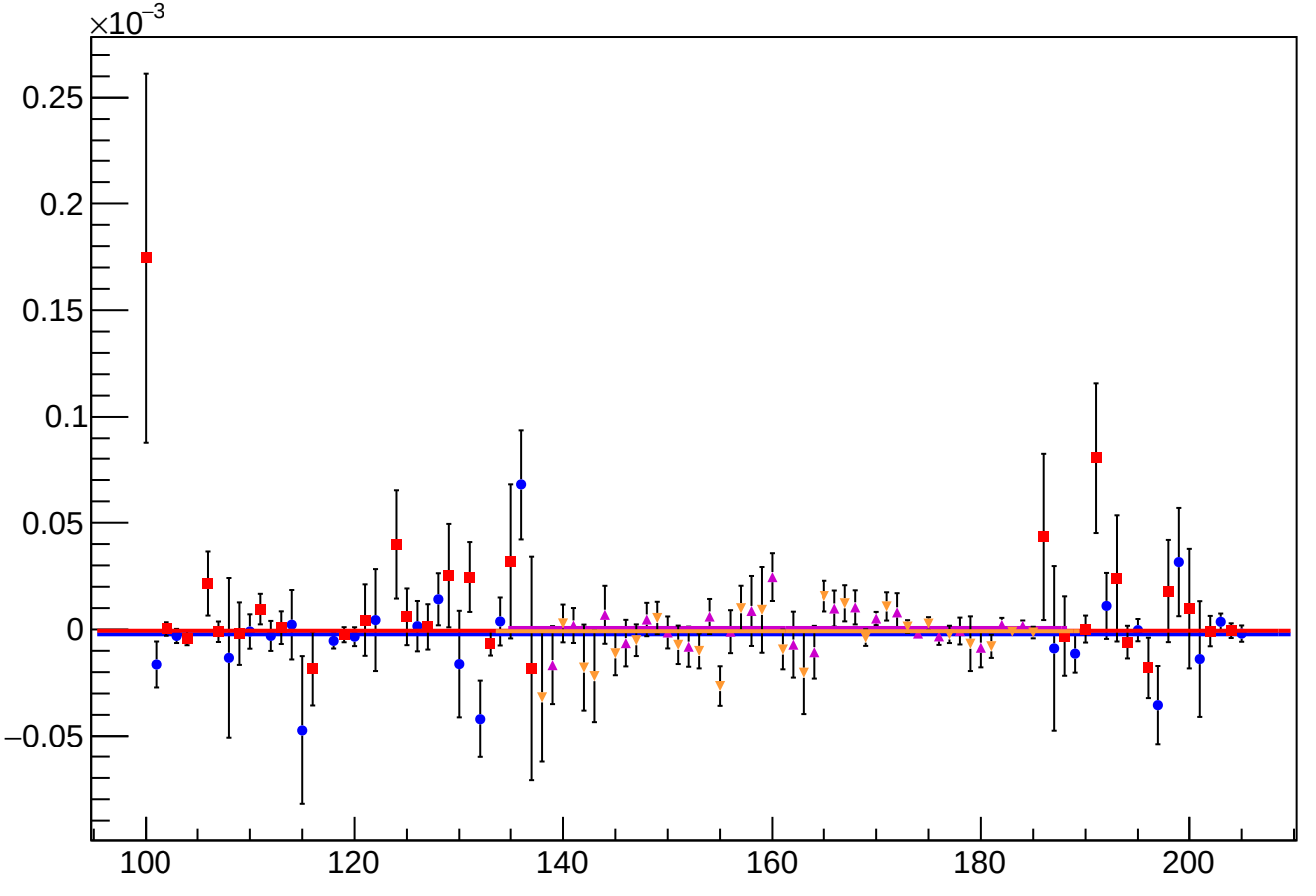
Left: 57.916+/-0.009 χ^2/NDF: 22575659.0/47

Right: 67.343+/-0.010 χ^2/NDF: 11044584.4/54

In: 63.606+/-0.009 χ^2/NDF:14456217.1/47

Out: 59.994+/-0.009 χ^2/NDF:19582958.4/54

All: 61.737+/-0.007 χ^2/NDF: 34114296.4/102



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.2/29

Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

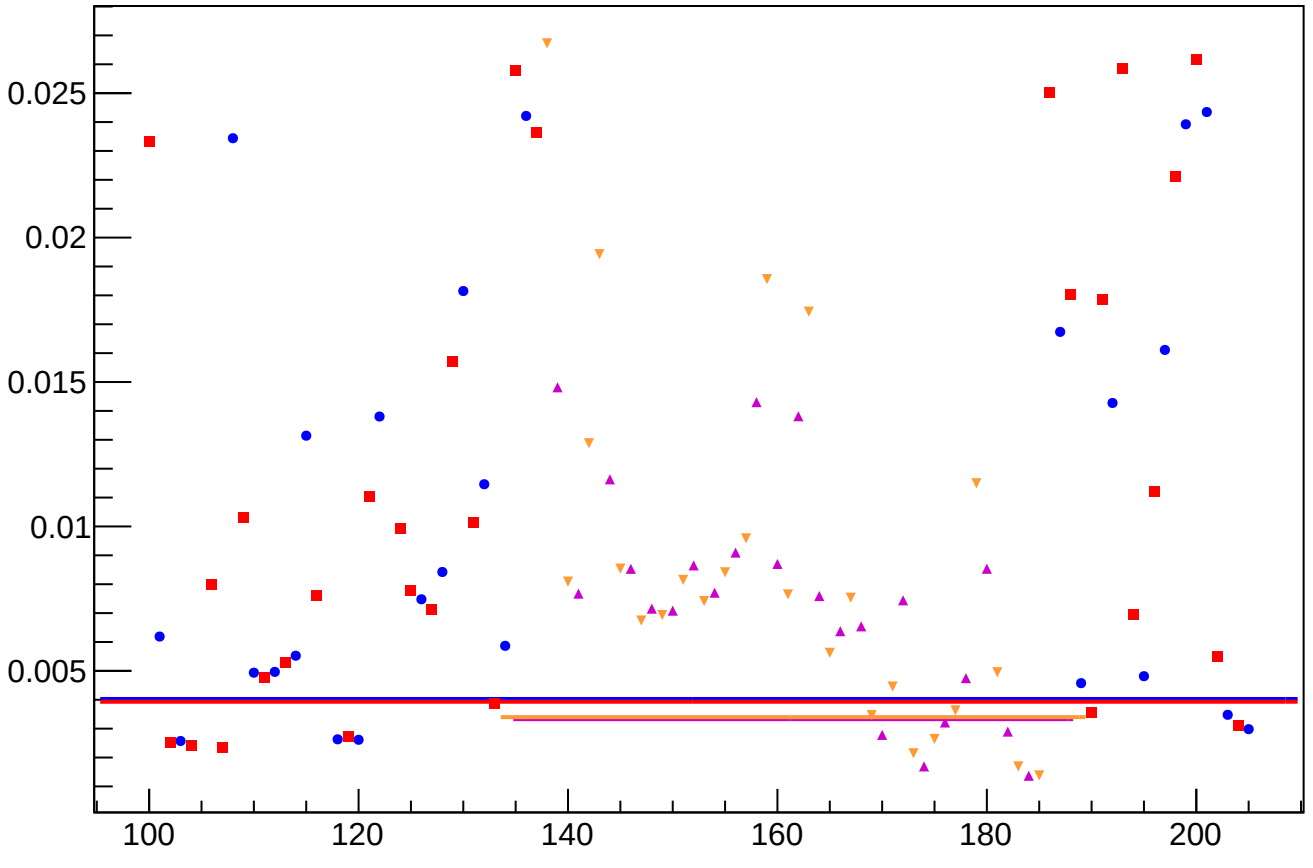
Left: -0.000+/-0.000 χ^2/NDF: 52.7/47

Right: -0.000+/-0.000 χ^2/NDF: 58.7/54

In: -0.000+/-0.000 χ^2/NDF:50.4/47

Out: -0.000+/-0.000 χ^2/NDF:62.0/54

All: -0.000+/-0.000 χ^2/NDF: 112.5/102



Right In: 0.004+/-0.000 χ^2/NDF: 9320396.4/24

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 11290298.7/29

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

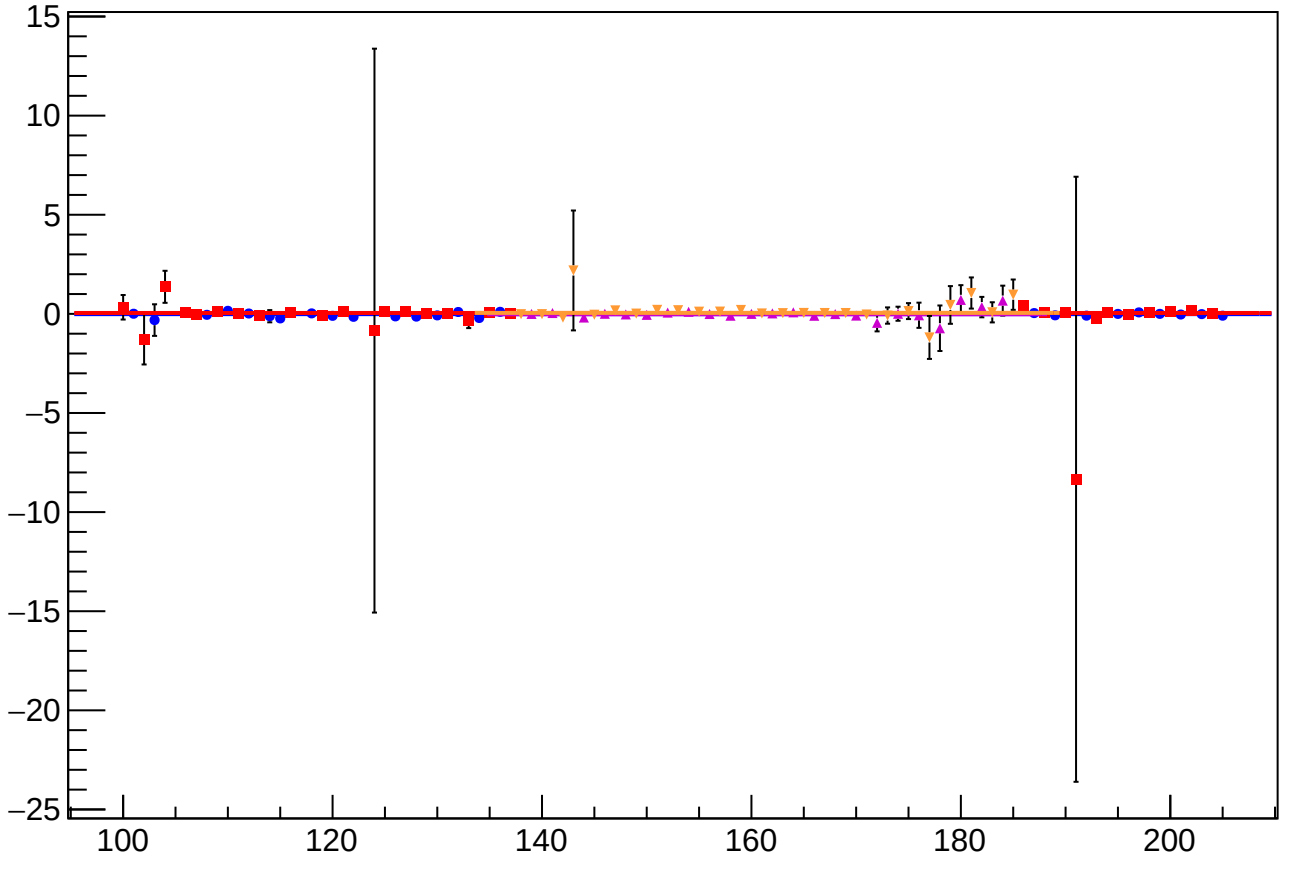
Left: 0.003+/-0.000 χ^2/NDF: 26820032.9/47

Right: 0.004+/-0.000 χ^2/NDF: 20615566.7/54

In: 0.004+/-0.000 χ^2/NDF:22201060.9/47

Out: 0.004+/-0.000 χ^2/NDF:25744455.4/54

All: 0.004+/-0.000 χ^2/NDF: 47946533.9/102



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

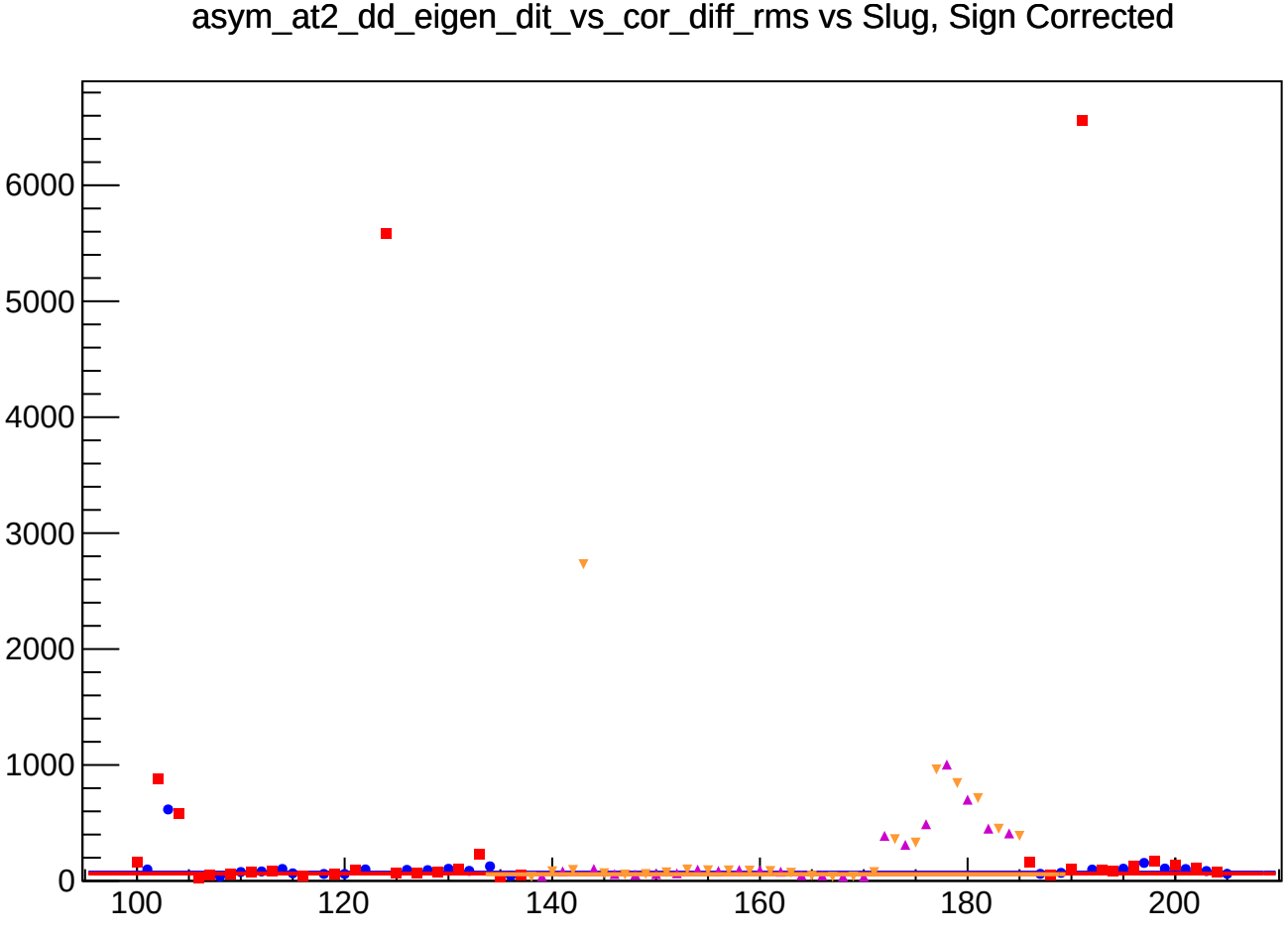
Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

Right: 0.018+/-0.015 χ^2/NDF: 44.1/54

In: -0.017+/-0.013 χ^2/NDF:31.7/47

Out: 0.048+/-0.013 χ^2/NDF:48.3/54

All: 0.016+/-0.009 χ^2/NDF: 92.1/102



Right In: 71.561+/-0.015 χ^2/NDF: 3762710.6/24

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.735+/-0.014 χ^2/NDF: 7139769.7/29

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

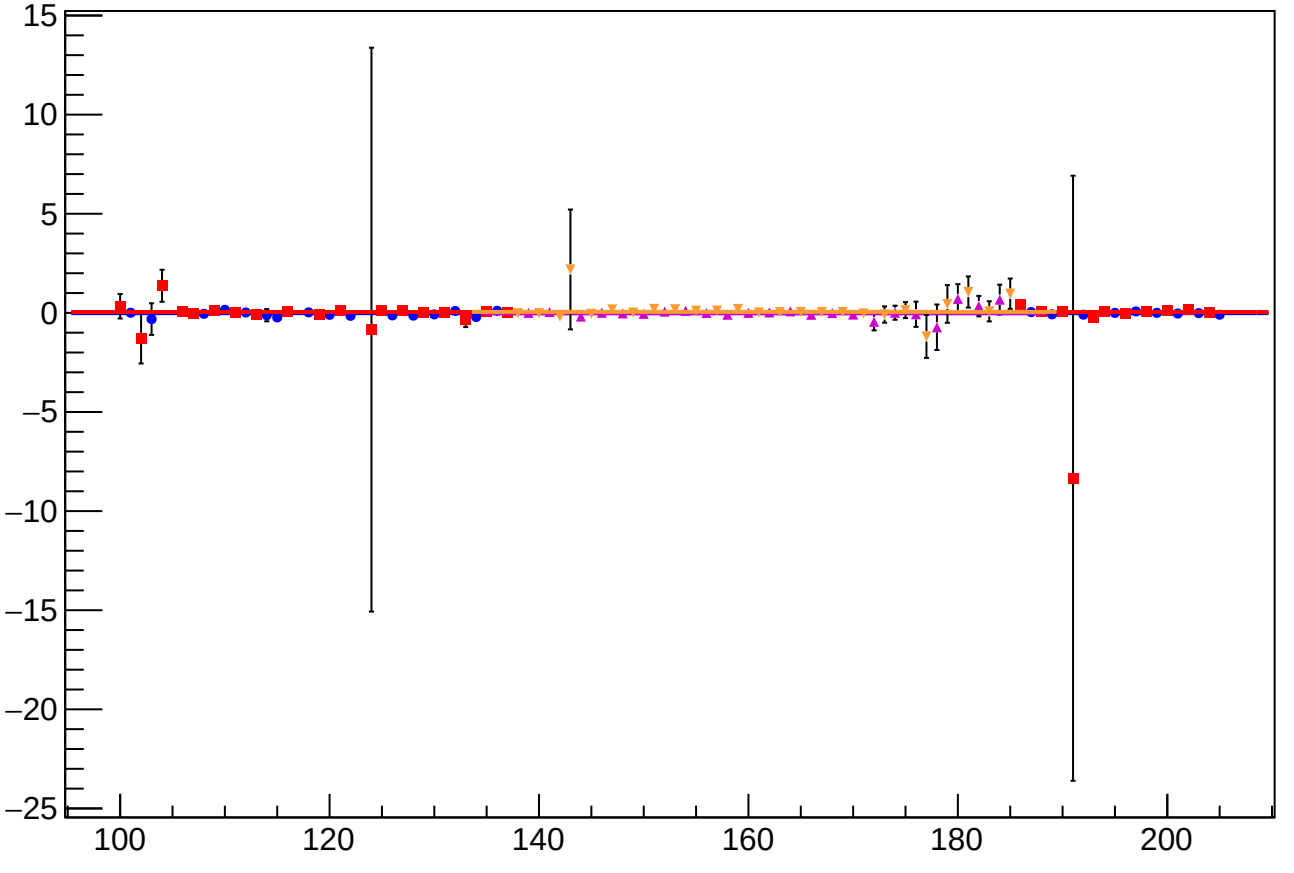
Right: 67.343+/-0.010 χ^2/NDF: 11044743.2/54

In: 63.610+/-0.009 χ^2/NDF:14454612.1/47

Out: 59.991+/-0.009 χ^2/NDF:19583646.0/54

All: 61.737+/-0.007 χ^2/NDF: 34113638.0/102

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: 0.045+/-0.020 χ^2/NDF: 23.8/29

Left In: -0.019+/-0.017 χ^2/NDF:15.4/22

Left: 0.016+/-0.012 χ^2/NDF: 48.0/47

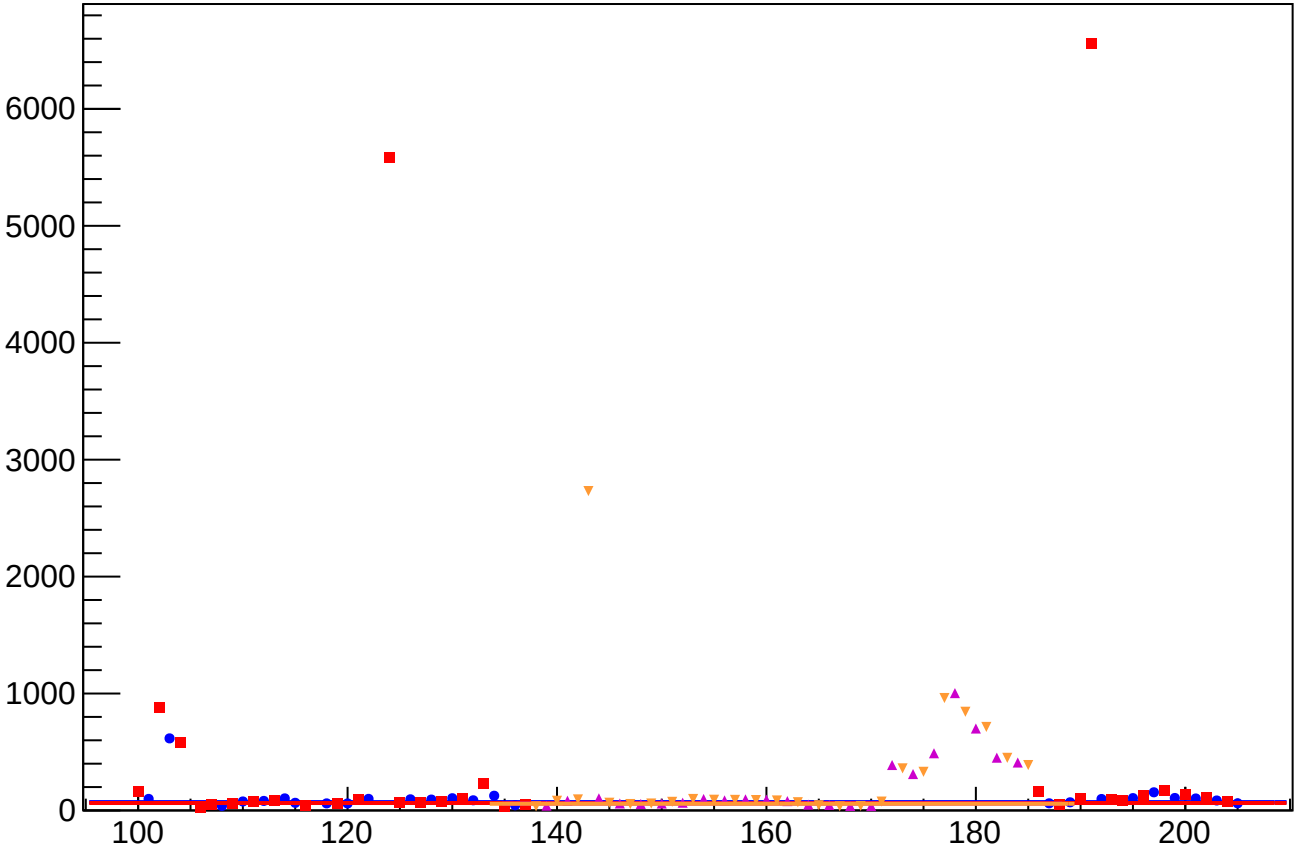
Right: 0.018+/-0.015 χ^2/NDF: 44.1/54

In: -0.017+/-0.013 χ^2/NDF:31.7/47

Out: 0.048+/-0.013 χ^2/NDF:48.3/54

All: 0.016+/-0.009 χ^2/NDF: 92.1/102

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 71.561+/-0.015 χ^2/NDF: 3762710.6/24

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 63.735+/-0.014 χ^2/NDF: 7139769.7/29

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

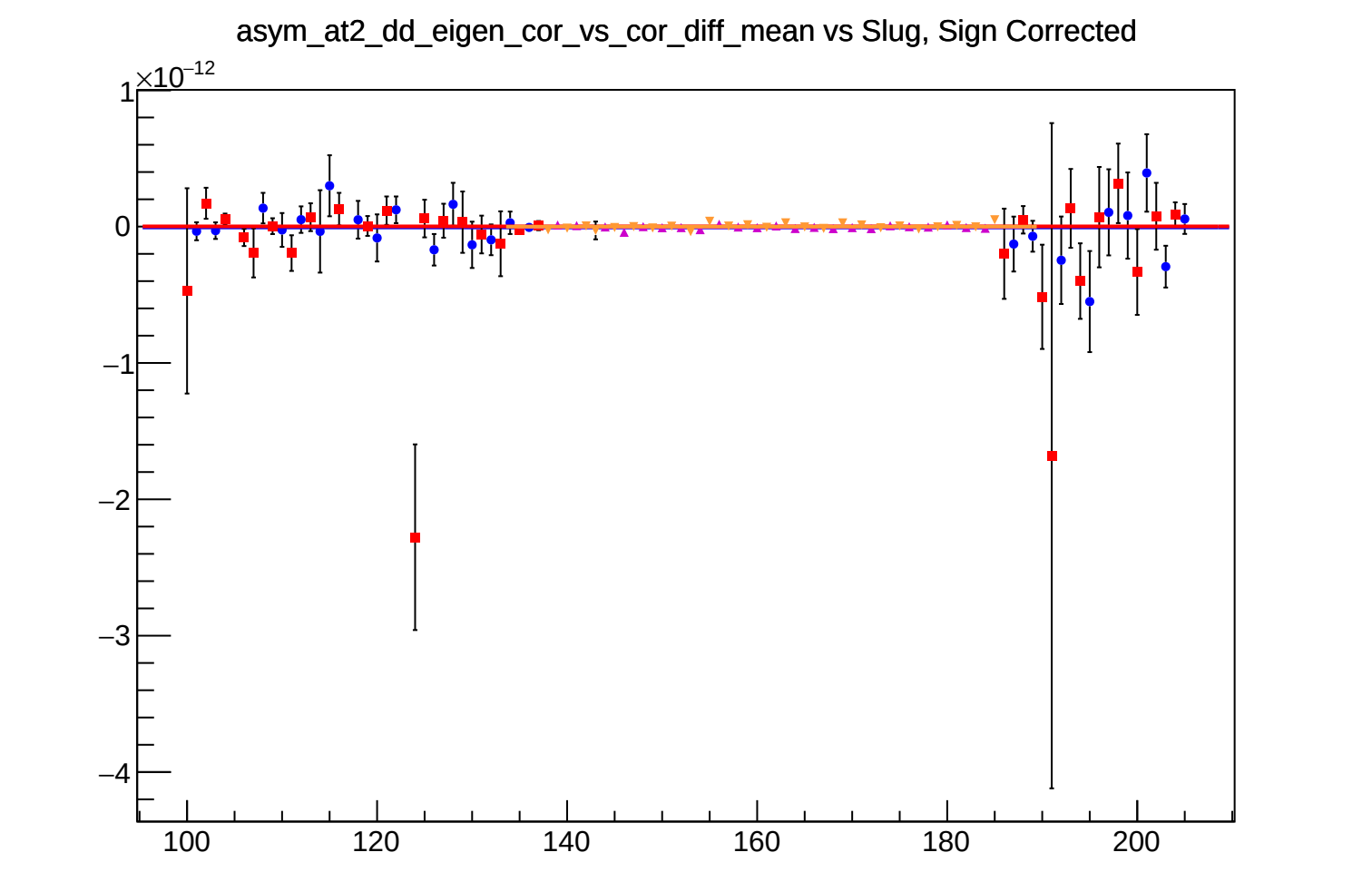
Left: 57.916+/-0.009 χ^2/NDF: 22574928.3/47

Right: 67.343+/-0.010 χ^2/NDF: 11044743.2/54

In: 63.610+/-0.009 χ^2/NDF:14454612.1/47

Out: 59.991+/-0.009 χ^2/NDF:19583646.0/54

All: 61.737+/-0.007 χ^2/NDF: 34113638.0/102



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/29

Left In: -0.000+/-0.000 χ^2/NDF:15.4/22

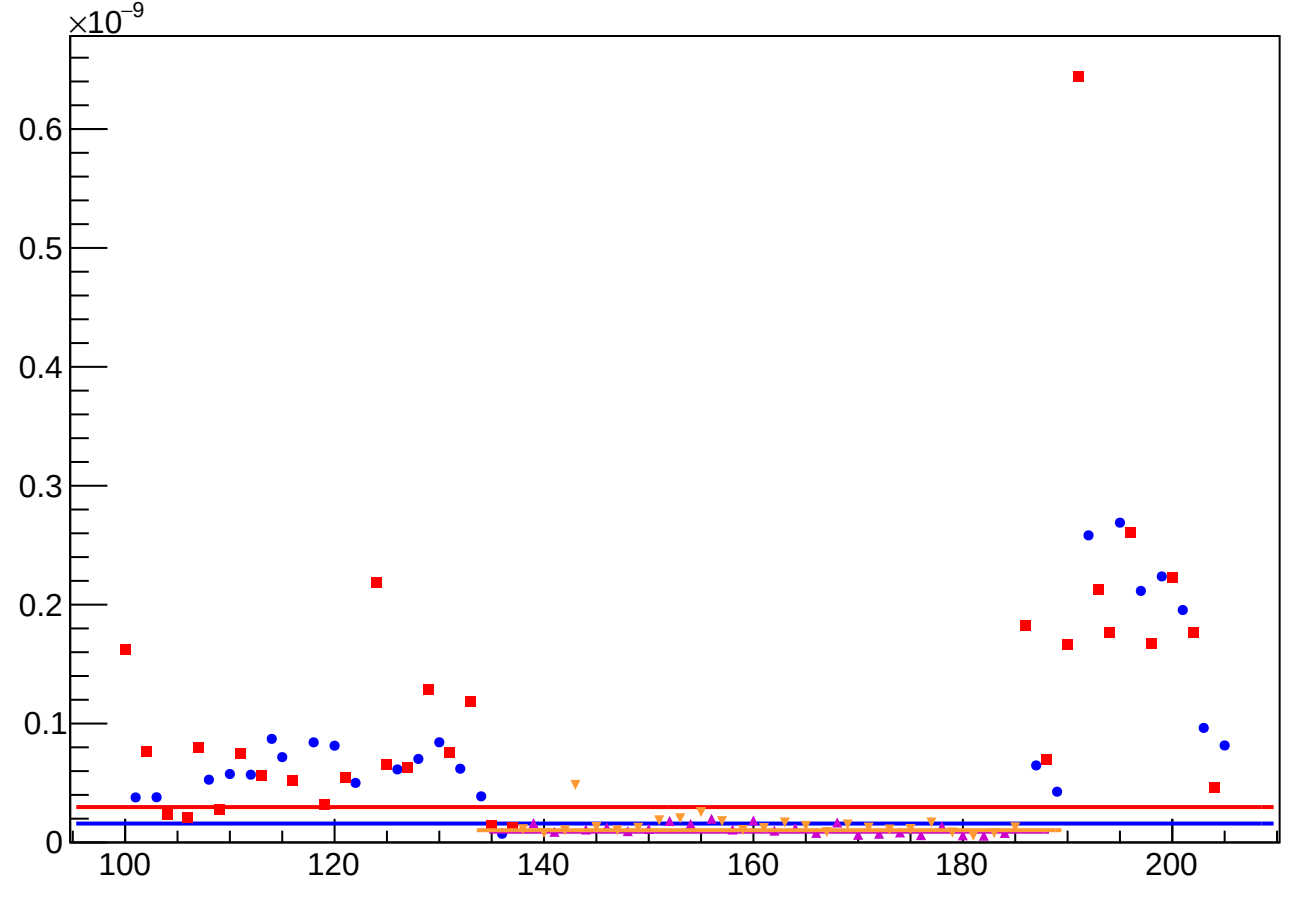
Left: -0.000+/-0.000 χ^2/NDF: 34.5/47

Right: -0.000+/-0.000 χ^2/NDF: 54.3/54

In: -0.000+/-0.000 χ^2/NDF:35.8/47

Out: -0.000+/-0.000 χ^2/NDF:52.6/54

All: -0.000+/-0.000 χ^2/NDF: 88.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 11107693.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9032785.5/29

Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

Left: 0.000+/-0.000 χ^2/NDF: 6877548.0/47

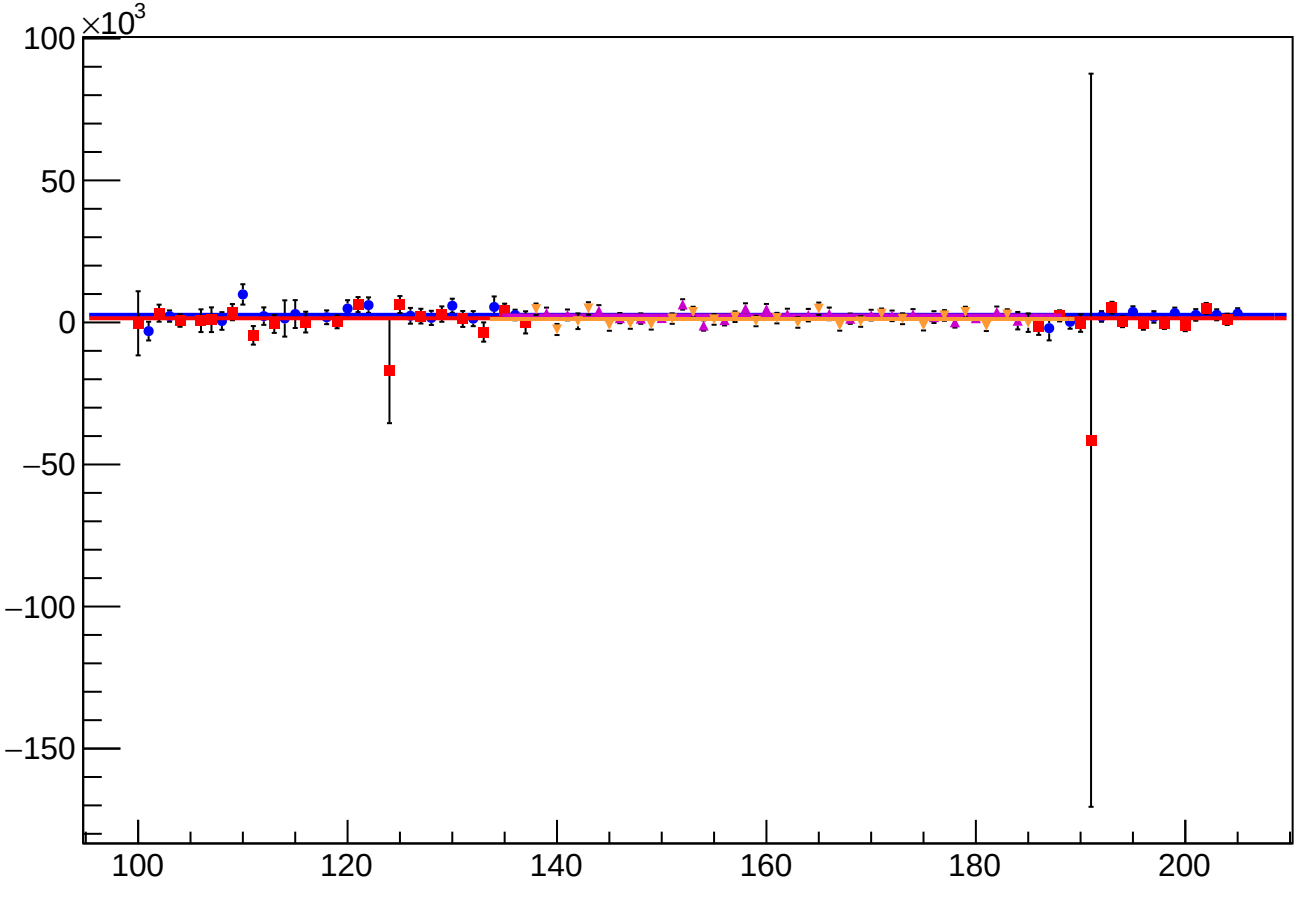
Right: 0.000+/-0.000 χ^2/NDF: 21363384.4/54

In: 0.000+/-0.000 χ^2/NDF:15006745.8/47

Out: 0.000+/-0.000 χ^2/NDF:16104784.4/54

All: 0.000+/-0.000 χ^2/NDF: 31420712.7/102

reg_asym_atl1r2_avg_mean vs Slug, Sign Corrected



Right In: 2682.205+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: 1465.288+/-484.834 χ^2/NDF: 27.7/29

Left In: 2439.008+/-397.969 χ^2/NDF:17.5/22

Left: 1806.830+/-278.231 χ^2/NDF: 48.7/47

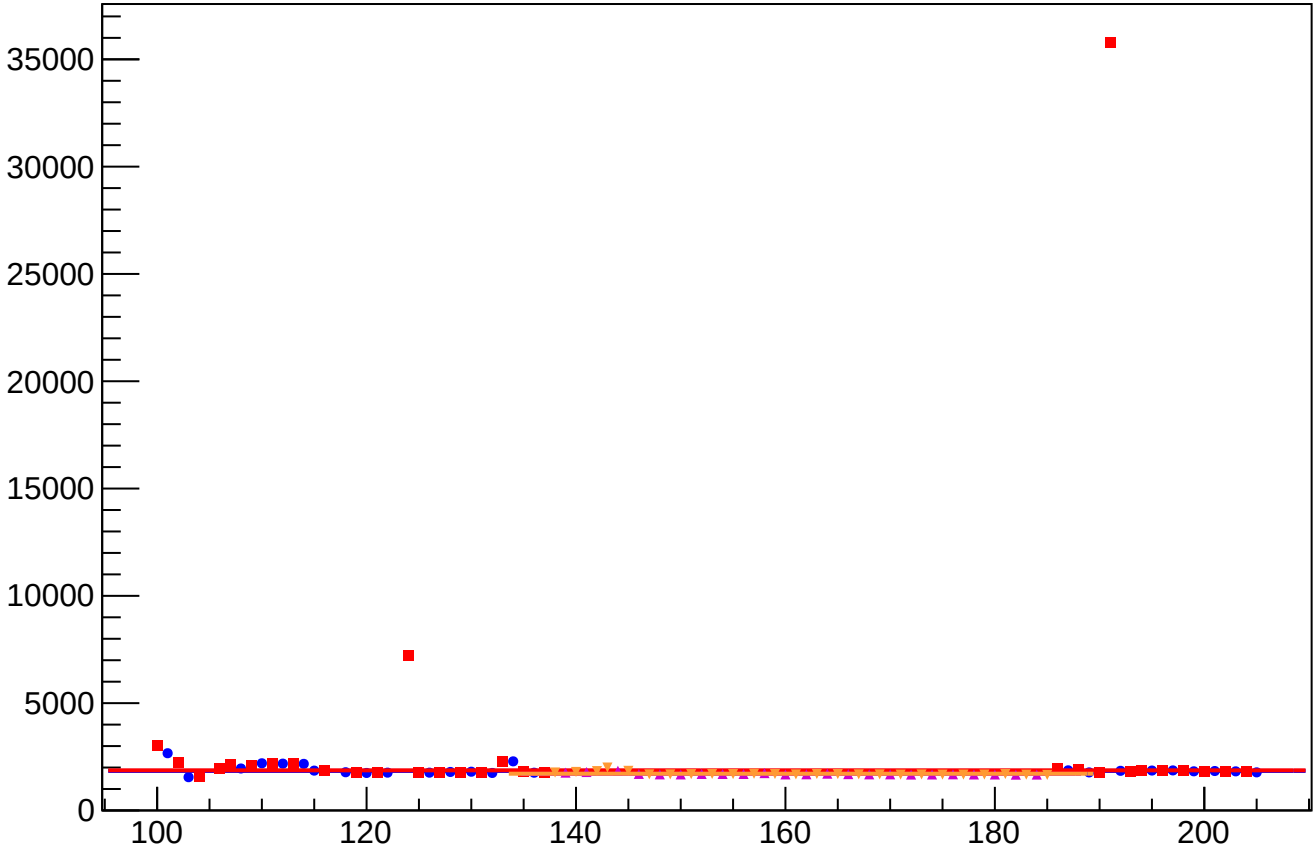
Right: 2064.181+/-345.514 χ^2/NDF: 46.2/54

In: 2535.072+/-309.545 χ^2/NDF:33.1/47

Out: 1305.400+/-303.477 χ^2/NDF:54.2/54

All: 1908.065+/-216.704 χ^2/NDF: 95.3/102

reg_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.3/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.486+/-0.342 χ^2/NDF: 520444.5/29

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

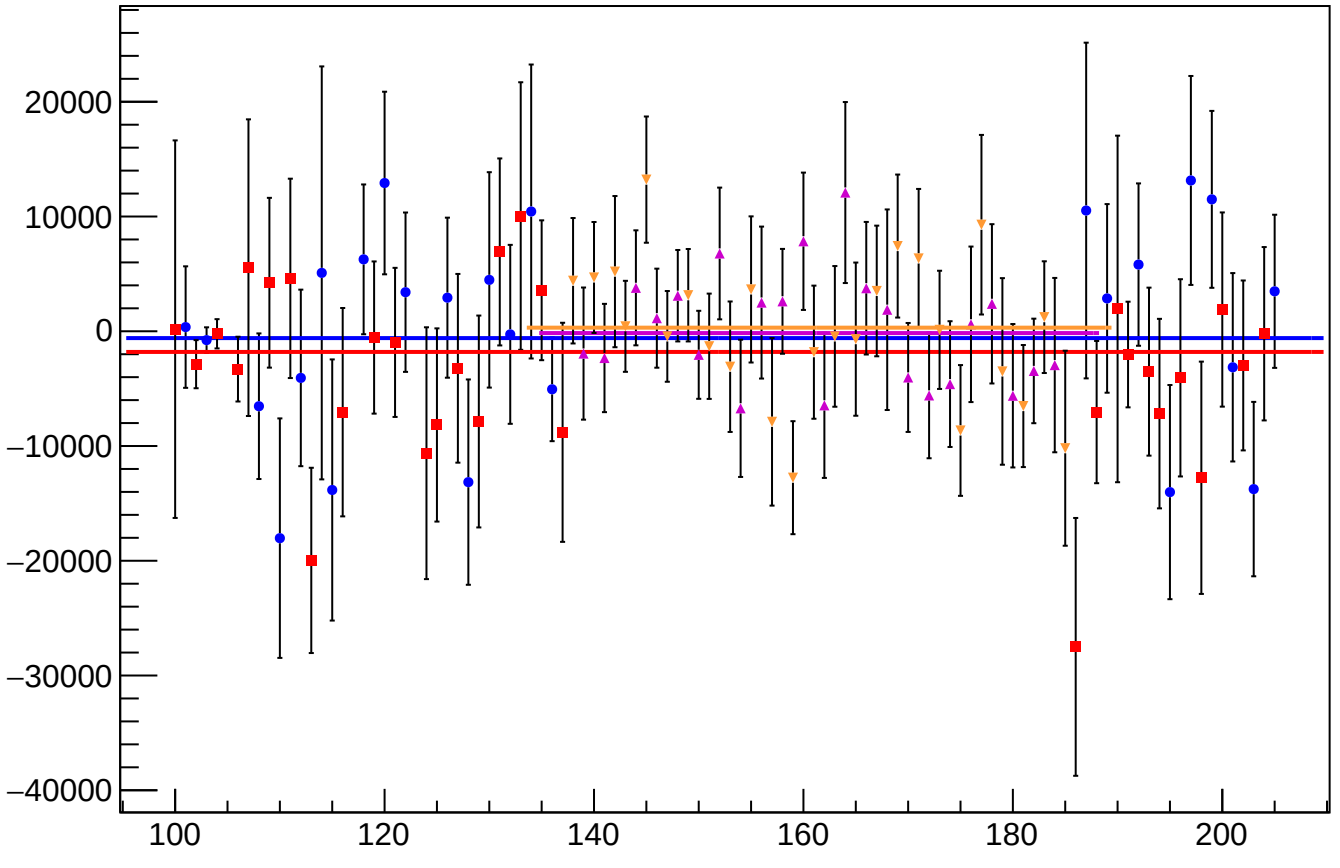
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1855.668+/-0.244 χ^2/NDF: 792715.8/54

In: 1758.246+/-0.219 χ^2/NDF:385708.5/47

Out: 1773.650+/-0.214 χ^2/NDF:709392.9/54

All: 1766.104+/-0.153 χ^2/NDF: 1097627.7/10



Right In: -595.522+/-907.985 χ^2/NDF: 25.8/24

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: -1801.829+/-850.058 χ^2/NDF: 22.2/29

Left In: -157.968+/-1128.443 χ^2/NDF:14.7/22

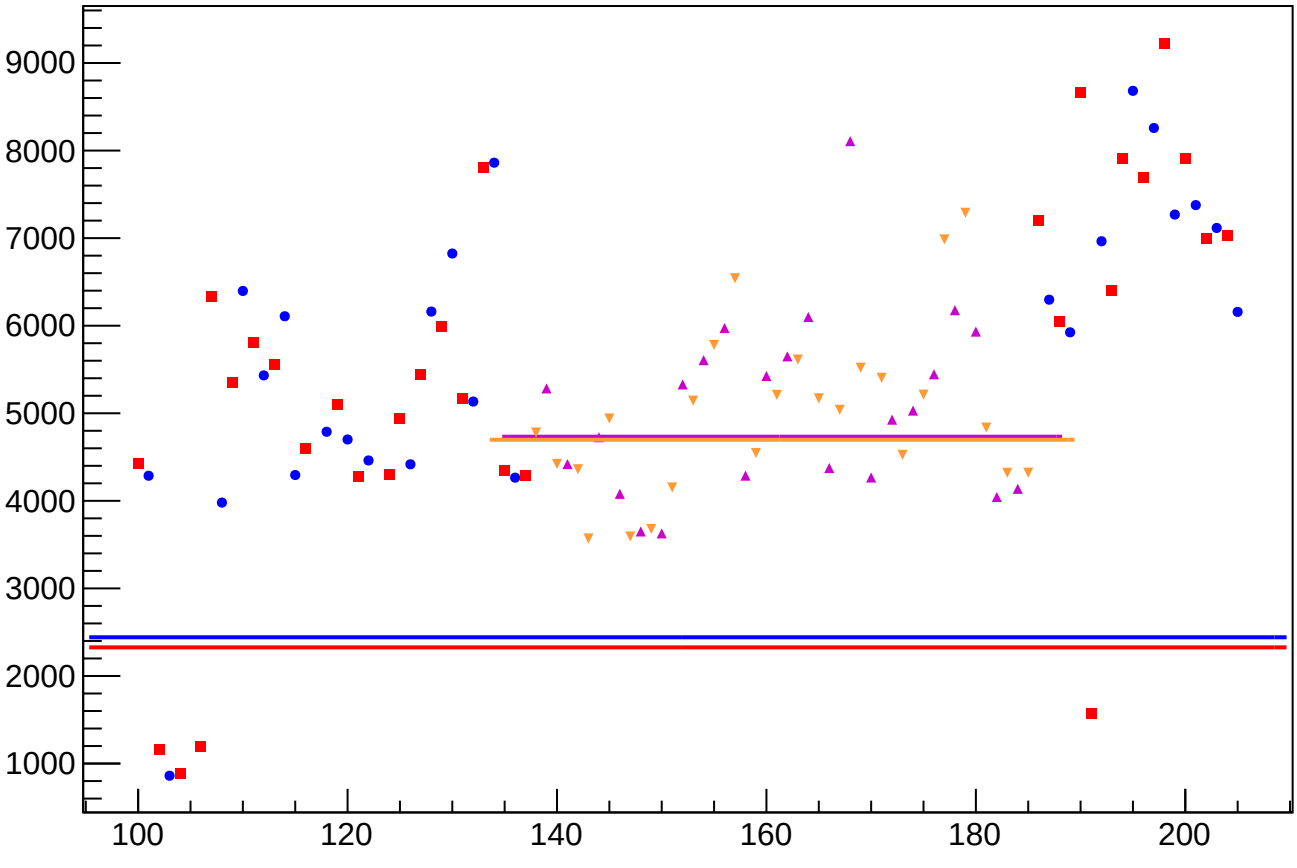
Left: 85.792+/-784.719 χ^2/NDF: 41.8/47

Right: -1238.380+/-620.551 χ^2/NDF: 49.0/54

In: -423.564+/-707.415 χ^2/NDF:40.6/47

Out: -1003.436+/-670.774 χ^2/NDF:51.6/54

All: -728.906+/-486.747 χ^2/NDF: 92.5/102



Right In: 2441.873+/-0.642 χ^2/NDF: 13474136.4/24

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2326.835+/-0.601 χ^2/NDF: 14371233.6/29

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

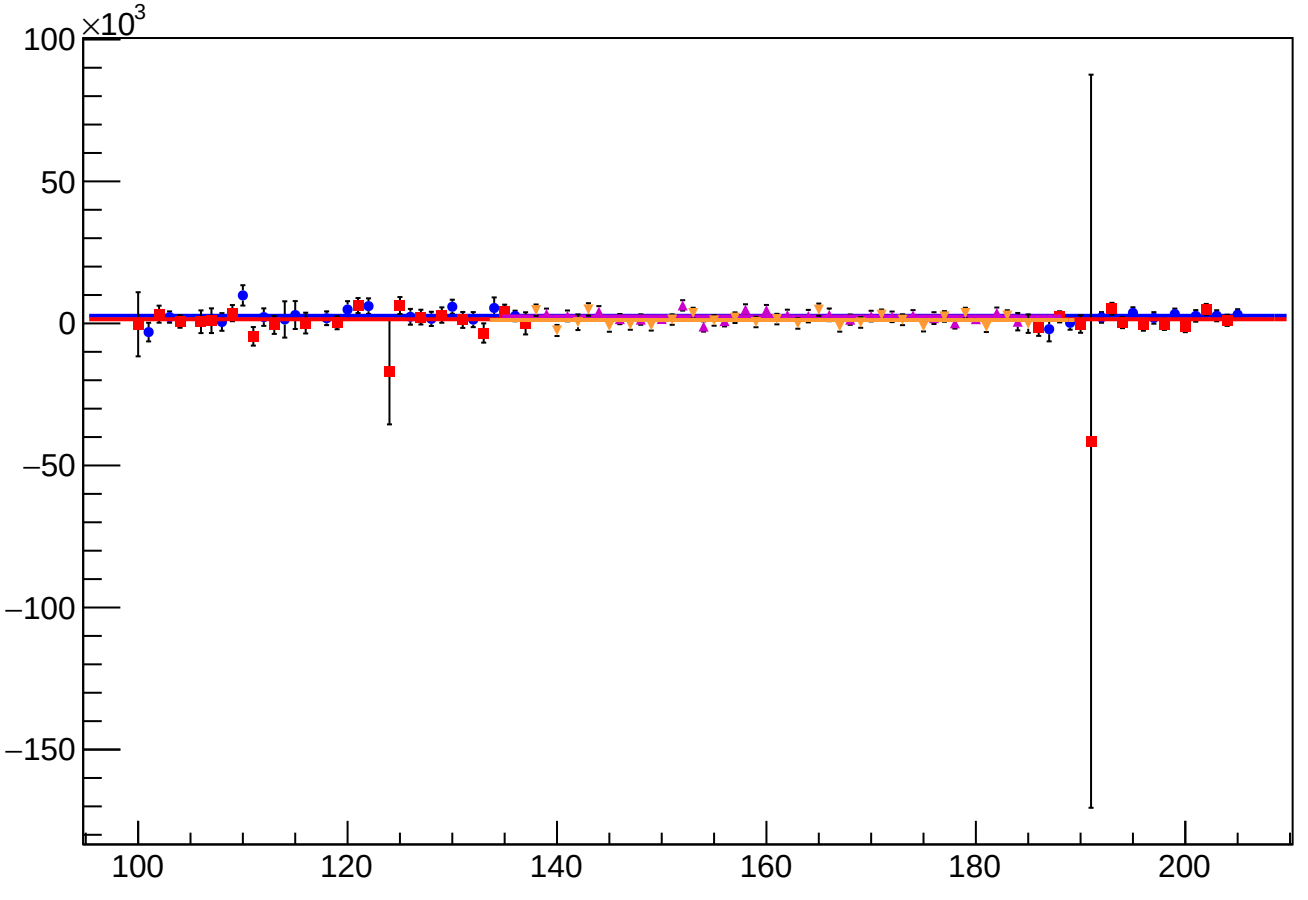
Left: 4714.452+/-0.555 χ^2/NDF: 2483149.3/47

Right: 2380.568+/-0.439 χ^2/NDF: 27862478.6/54

In: 3342.053+/-0.500 χ^2/NDF:19718901.3/47

Out: 3221.413+/-0.474 χ^2/NDF:21480689.6/54

All: 3278.528+/-0.344 χ^2/NDF: 41230218.8/1



Right In: 2682.366+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1464.657+/-484.834 χ^2/NDF: 27.7/29

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

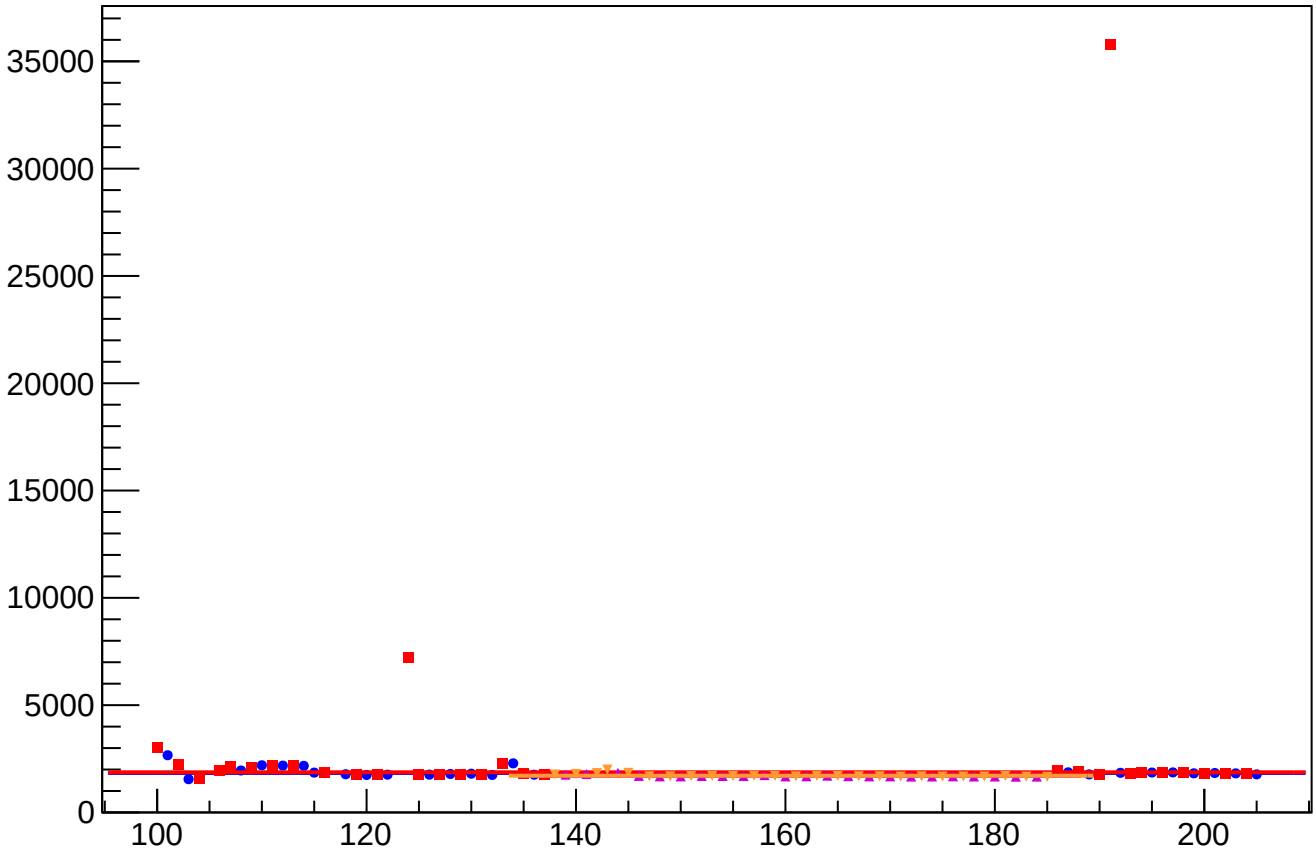
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2063.940+/-345.514 χ^2/NDF: 46.2/54

In: 2535.095+/-309.545 χ^2/NDF:33.1/47

Out: 1305.094+/-303.477 χ^2/NDF:54.2/54

All: 1907.920+/-216.704 χ^2/NDF: 95.3/102



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.2/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.698+/-0.342 χ^2/NDF: 520766.6/29

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

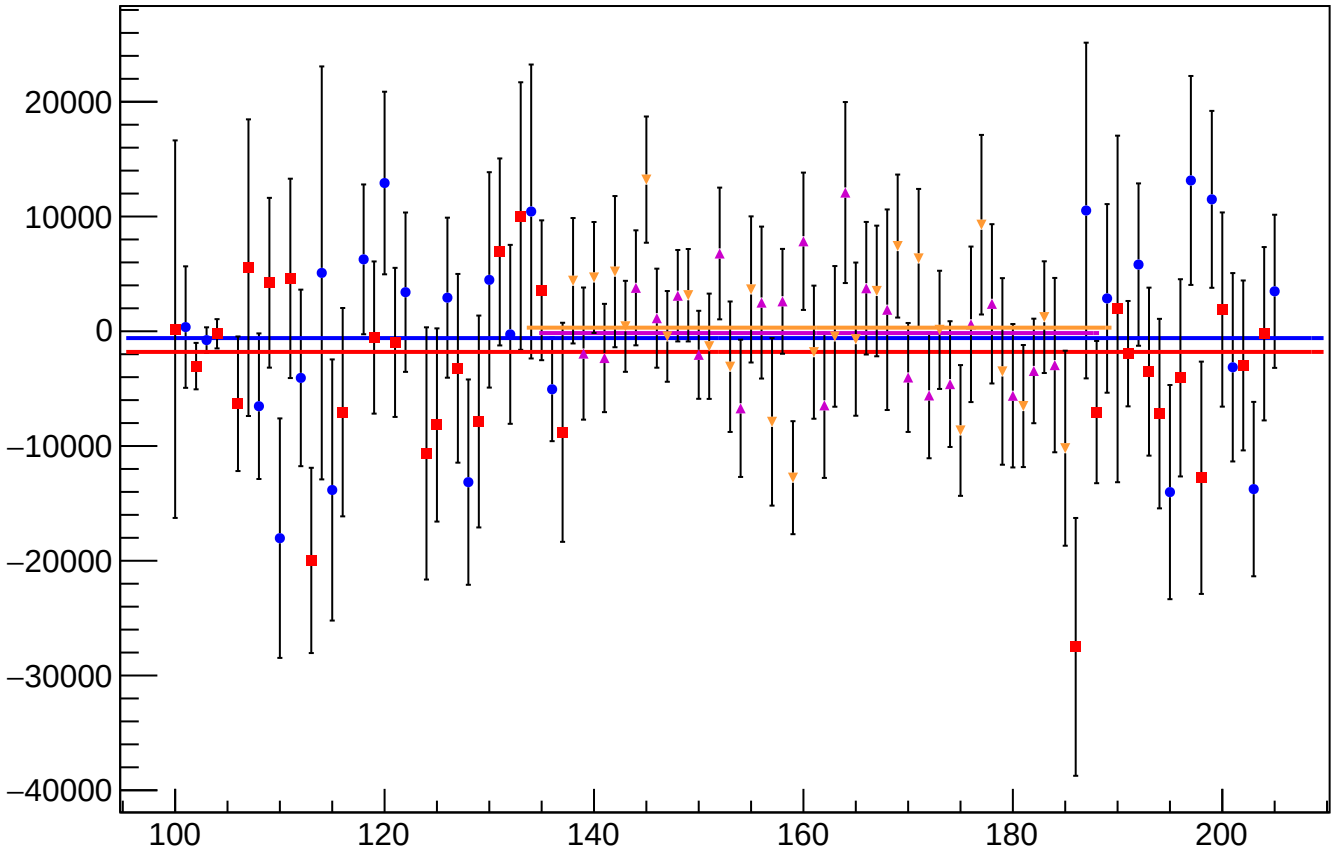
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1855.774+/-0.244 χ^2/NDF: 793087.5/54

In: 1758.246+/-0.219 χ^2/NDF:385708.4/47

Out: 1773.725+/-0.215 χ^2/NDF:710044.0/54

All: 1766.142+/-0.153 χ^2/NDF: 1098303.2/10



Right In: -595.101+/-907.941 χ^2/NDF: 25.8/24

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1800.326+/-875.558 χ^2/NDF: 22.7/29

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

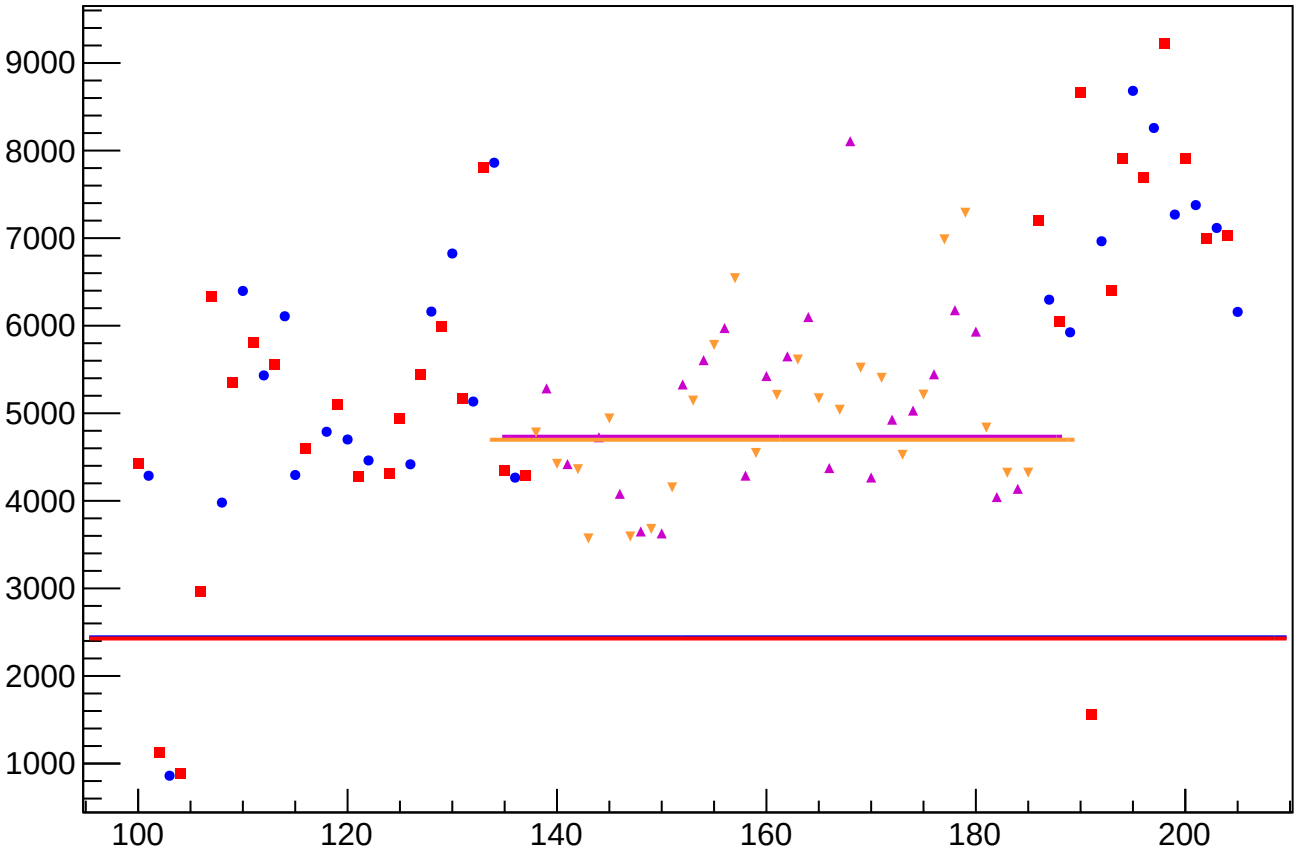
Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

Right: -1219.589+/-630.250 χ^2/NDF: 49.4/54

In: -423.323+/-707.394 χ^2/NDF:40.6/47

Out: -972.914+/-683.092 χ^2/NDF:52.0/54

All: -707.721+/-491.386 χ^2/NDF: 92.9/102



Right In: 2441.680+/-0.642 χ^2/NDF: 13475018.4/24

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2427.887+/-0.619 χ^2/NDF: 14135871.7/29

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

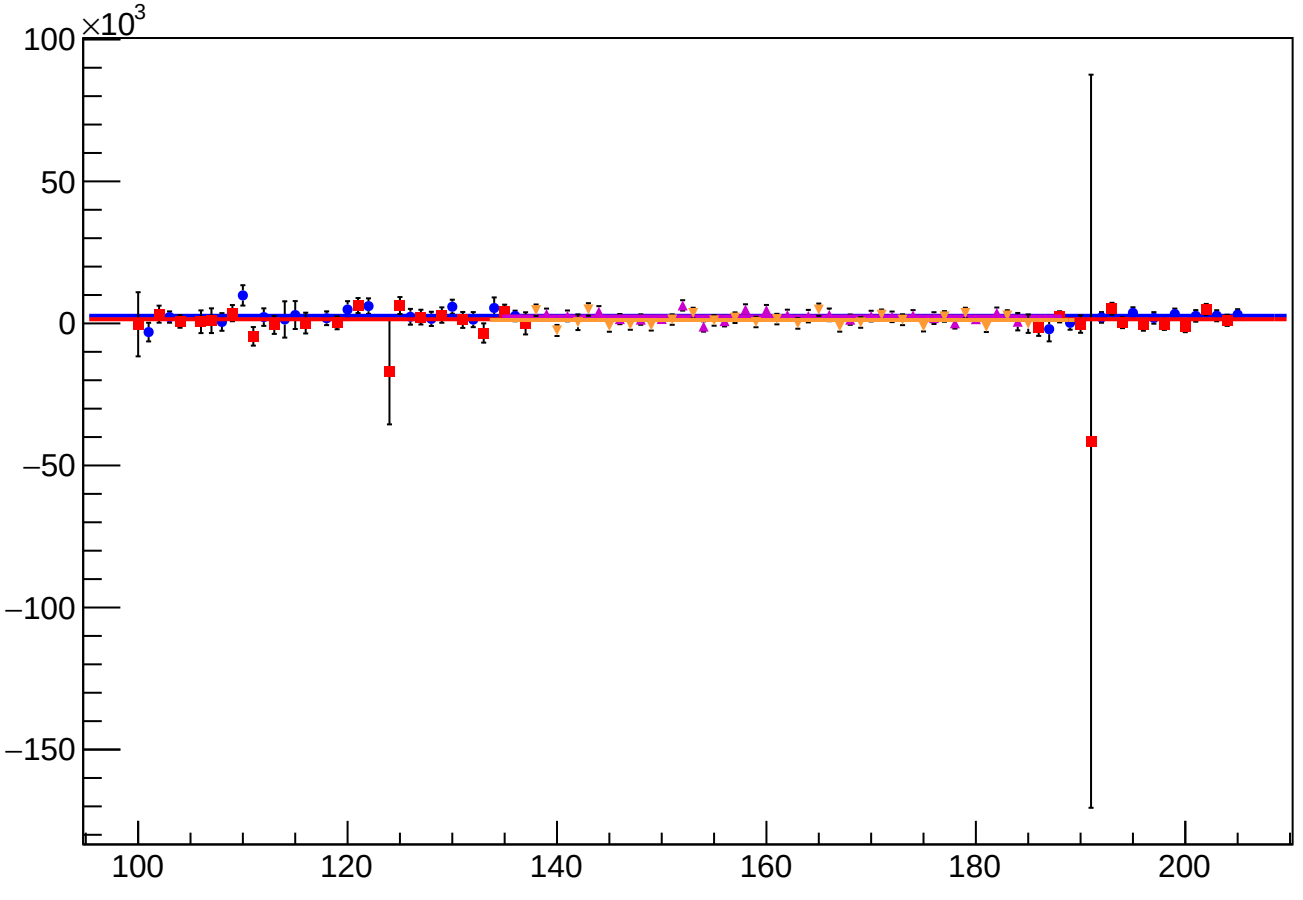
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2434.533+/-0.446 χ^2/NDF: 27611129.4/54

In: 3341.881+/-0.500 χ^2/NDF:19720824.8/47

Out: 3316.079+/-0.483 χ^2/NDF:20634729.4/54

All: 3328.529+/-0.347 χ^2/NDF: 40356931.1/1



Right In: 2682.366+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: 1464.657+/-484.834 χ^2/NDF: 27.7/29

Left In: 2438.940+/-397.969 χ^2/NDF:17.5/22

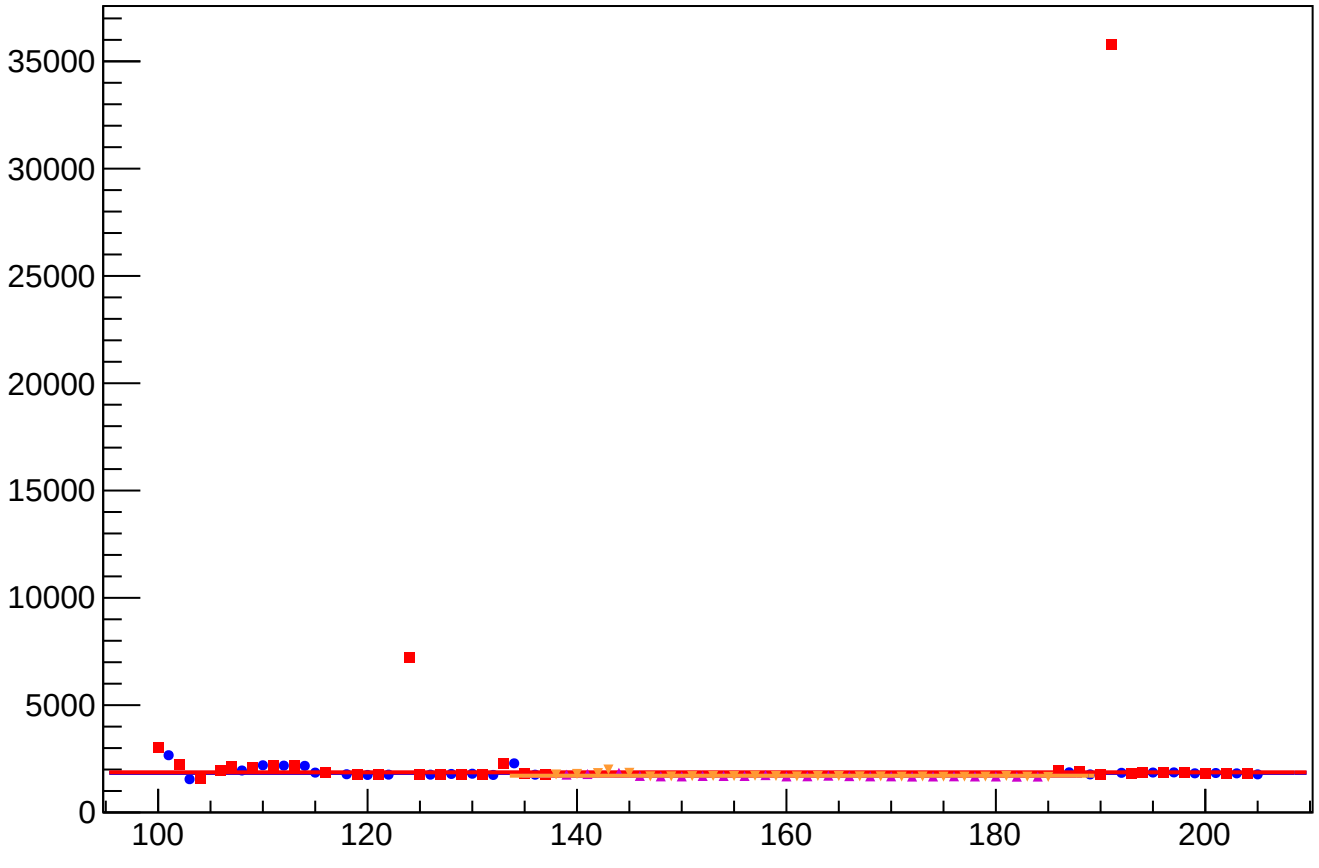
Left: 1806.747+/-278.231 χ^2/NDF: 48.7/47

Right: 2063.940+/-345.514 χ^2/NDF: 46.2/54

In: 2535.095+/-309.545 χ^2/NDF:33.1/47

Out: 1305.094+/-303.477 χ^2/NDF:54.2/54

All: 1907.920+/-216.704 χ^2/NDF: 95.3/102



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.2/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1869.698+/-0.342 χ^2/NDF: 520766.6/29

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

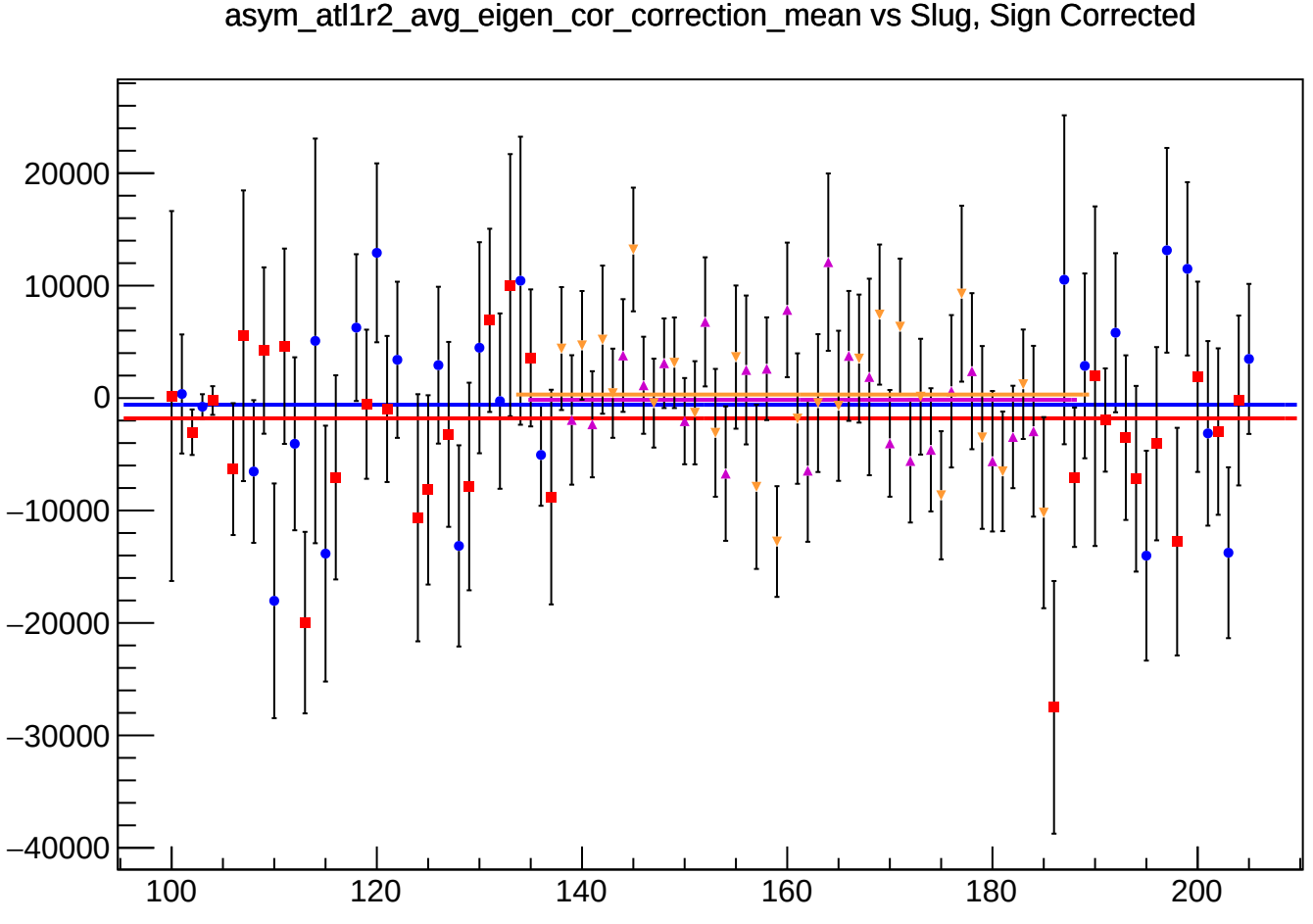
Left: 1707.960+/-0.197 χ^2/NDF: 83031.0/47

Right: 1855.774+/-0.244 χ^2/NDF: 793087.5/54

In: 1758.246+/-0.219 χ^2/NDF:385708.4/47

Out: 1773.725+/-0.215 χ^2/NDF:710044.0/54

All: 1766.142+/-0.153 χ^2/NDF: 1098303.2/10



Right In: -595.101+/-907.941 χ^2/NDF: 25.8/24

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: -1800.326+/-875.558 χ^2/NDF: 22.7/29

Left In: -157.977+/-1128.443 χ^2/NDF:14.7/22

Left: 85.804+/-784.719 χ^2/NDF: 41.8/47

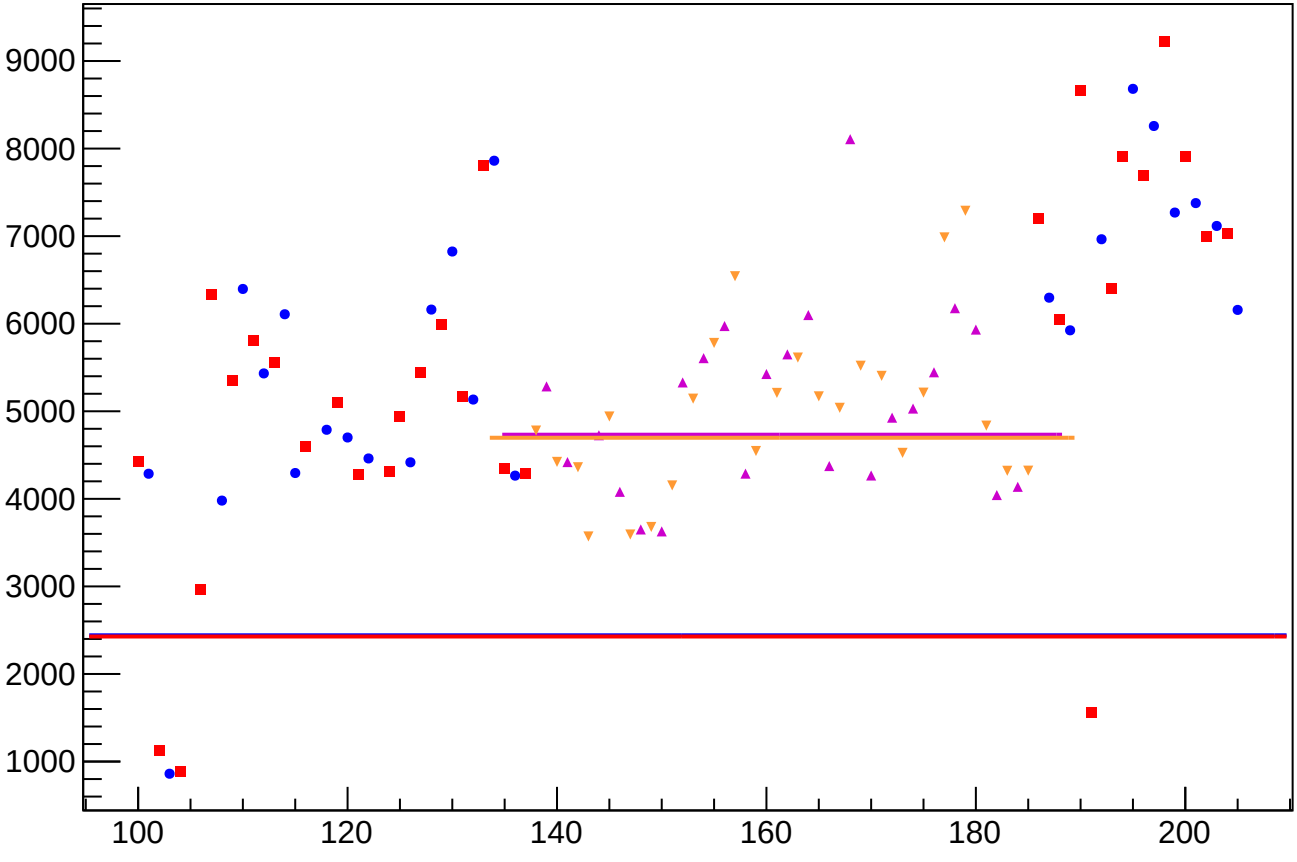
Right: -1219.589+/-630.250 χ^2/NDF: 49.4/54

In: -423.323+/-707.394 χ^2/NDF:40.6/47

Out: -972.914+/-683.092 χ^2/NDF:52.0/54

All: -707.721+/-491.386 χ^2/NDF: 92.9/102

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2441.680+/-0.642 χ^2/NDF: 13475018.4/24

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2427.887+/-0.619 χ^2/NDF: 14135871.7/29

Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

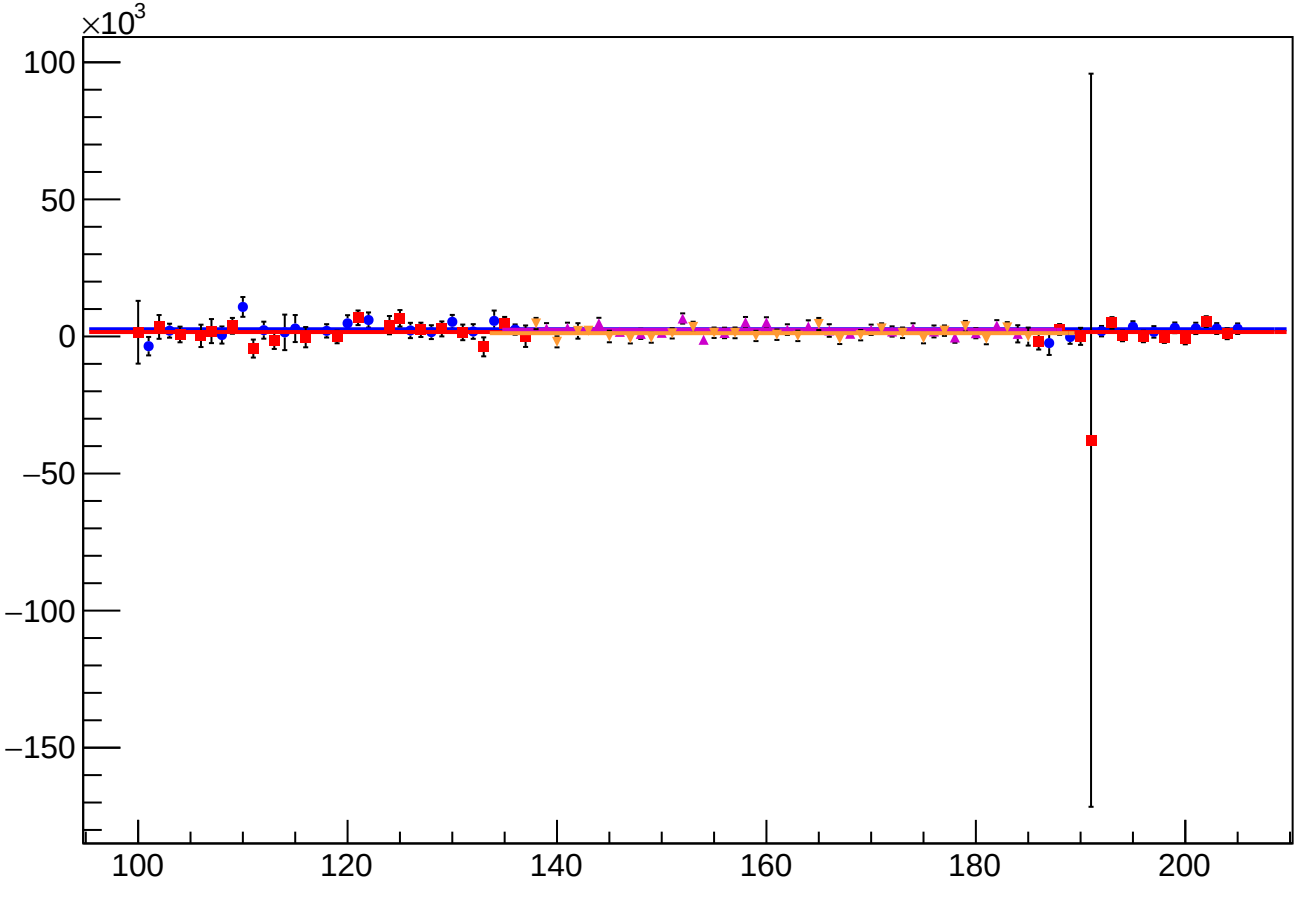
Left: 4714.448+/-0.555 χ^2/NDF: 2483178.9/47

Right: 2434.533+/-0.446 χ^2/NDF: 27611129.4/54

In: 3341.881+/-0.500 χ^2/NDF:19720824.8/47

Out: 3316.079+/-0.483 χ^2/NDF:20634729.4/54

All: 3328.529+/-0.347 χ^2/NDF: 40356931.1/1



Right In: 2628.005+/-504.644 χ^2/NDF: 16.5/24

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: 1608.590+/-493.263 χ^2/NDF: 29.2/29

Left In: 2438.062+/-407.551 χ^2/NDF:20.6/22

Left: 1795.138+/-282.890 χ^2/NDF: 44.9/47

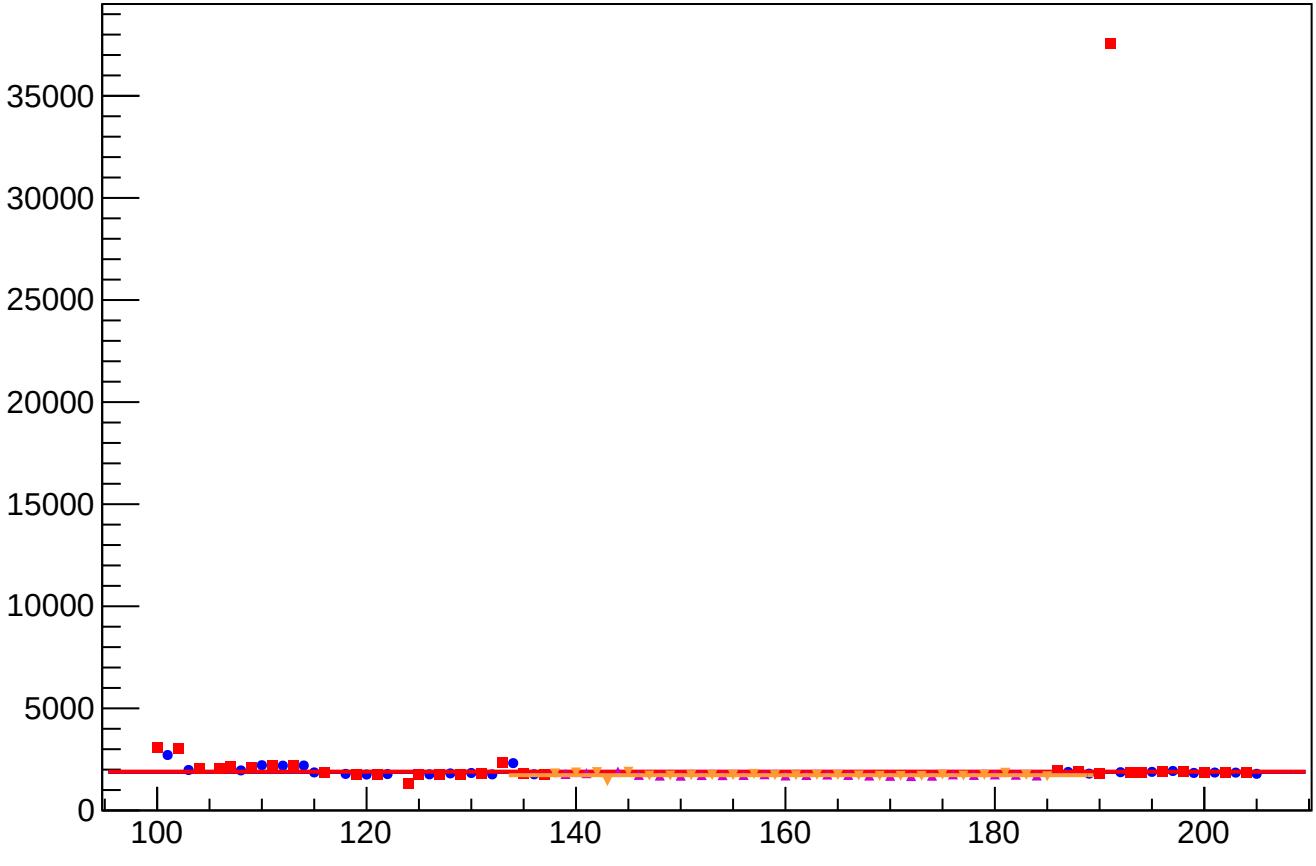
Right: 2106.674+/-352.745 χ^2/NDF: 47.8/54

In: 2513.043+/-317.065 χ^2/NDF:37.2/47

Out: 1357.032+/-307.362 χ^2/NDF:49.1/54

All: 1917.077+/-220.688 χ^2/NDF: 93.2/102

dit_asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 1887.321+/-0.357 χ^2/NDF: 229587.8/24

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1898.731+/-0.349 χ^2/NDF: 501323.8/29

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.617+/-0.200 χ^2/NDF: 138957.4/47

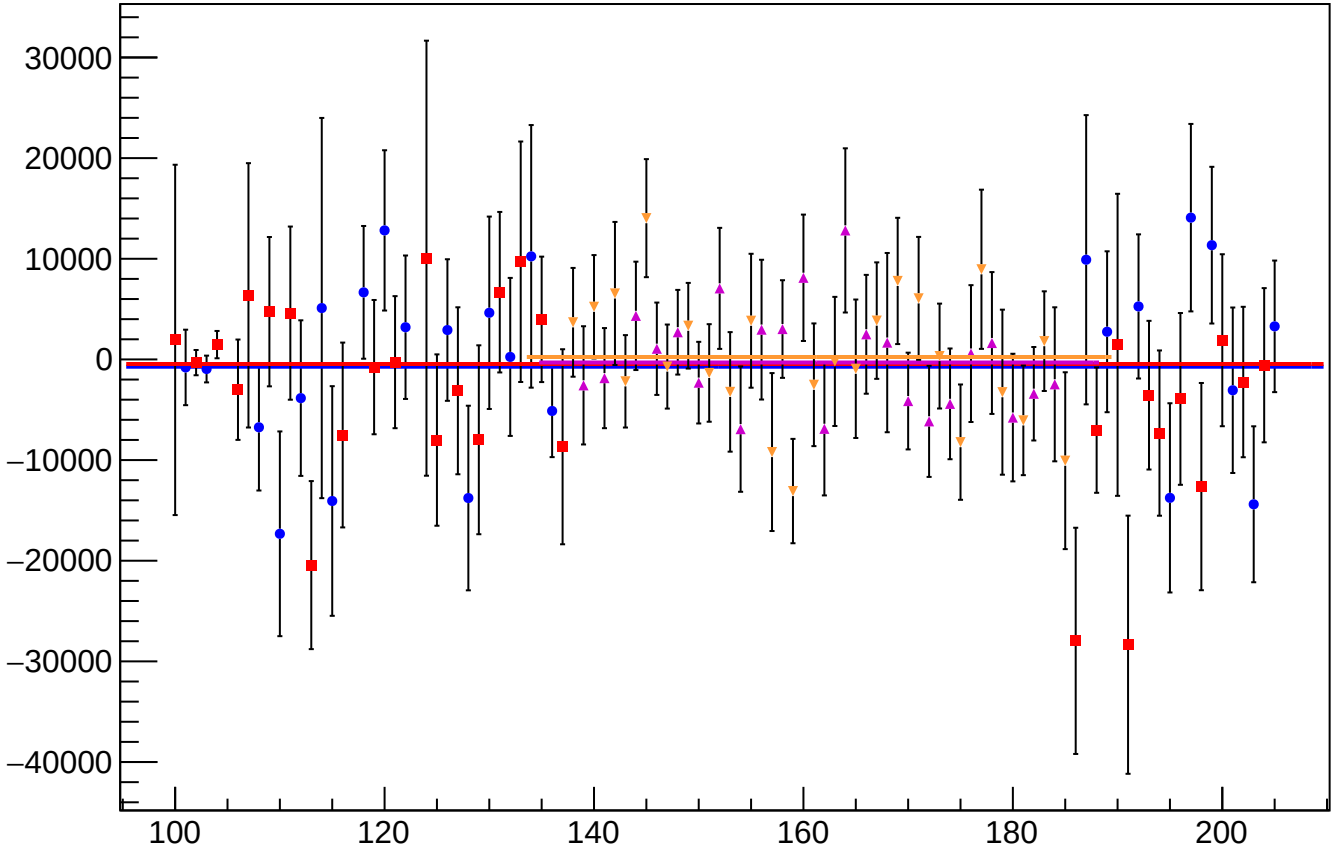
Right: 1893.158+/-0.249 χ^2/NDF: 731434.6/54

In: 1800.960+/-0.224 χ^2/NDF:353162.1/47

Out: 1793.854+/-0.217 χ^2/NDF:759553.1/54

All: 1797.296+/-0.156 χ^2/NDF: 1113233.1/10

asym_atl1r2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -723.759+/-998.138 χ^2/NDF: 25.8/24

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: -454.751+/-795.255 χ^2/NDF: 28.7/29

Left In: -306.106+/-1171.019 χ^2/NDF:14.5/22

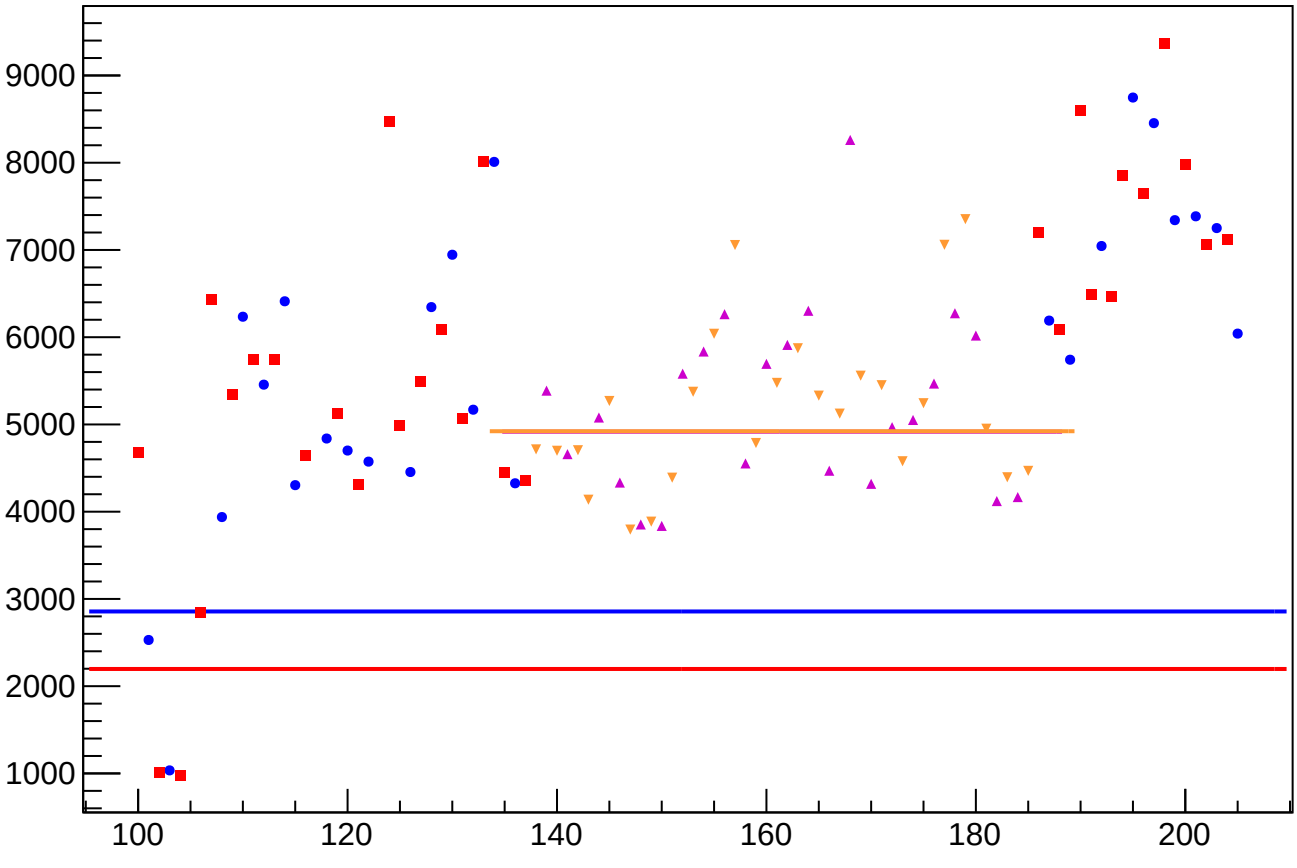
Left: -25.374+/-817.201 χ^2/NDF: 41.3/47

Right: -559.207+/-621.978 χ^2/NDF: 54.5/54

In: -548.009+/-759.632 χ^2/NDF:40.4/47

Out: -227.219+/-652.415 χ^2/NDF:55.6/54

All: -363.396+/-494.931 χ^2/NDF: 96.1/102



Right In: 2856.406+/-0.706 χ^2/NDF: 11178184.8/24

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2197.275+/-0.562 χ^2/NDF: 15391695.9/29

Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

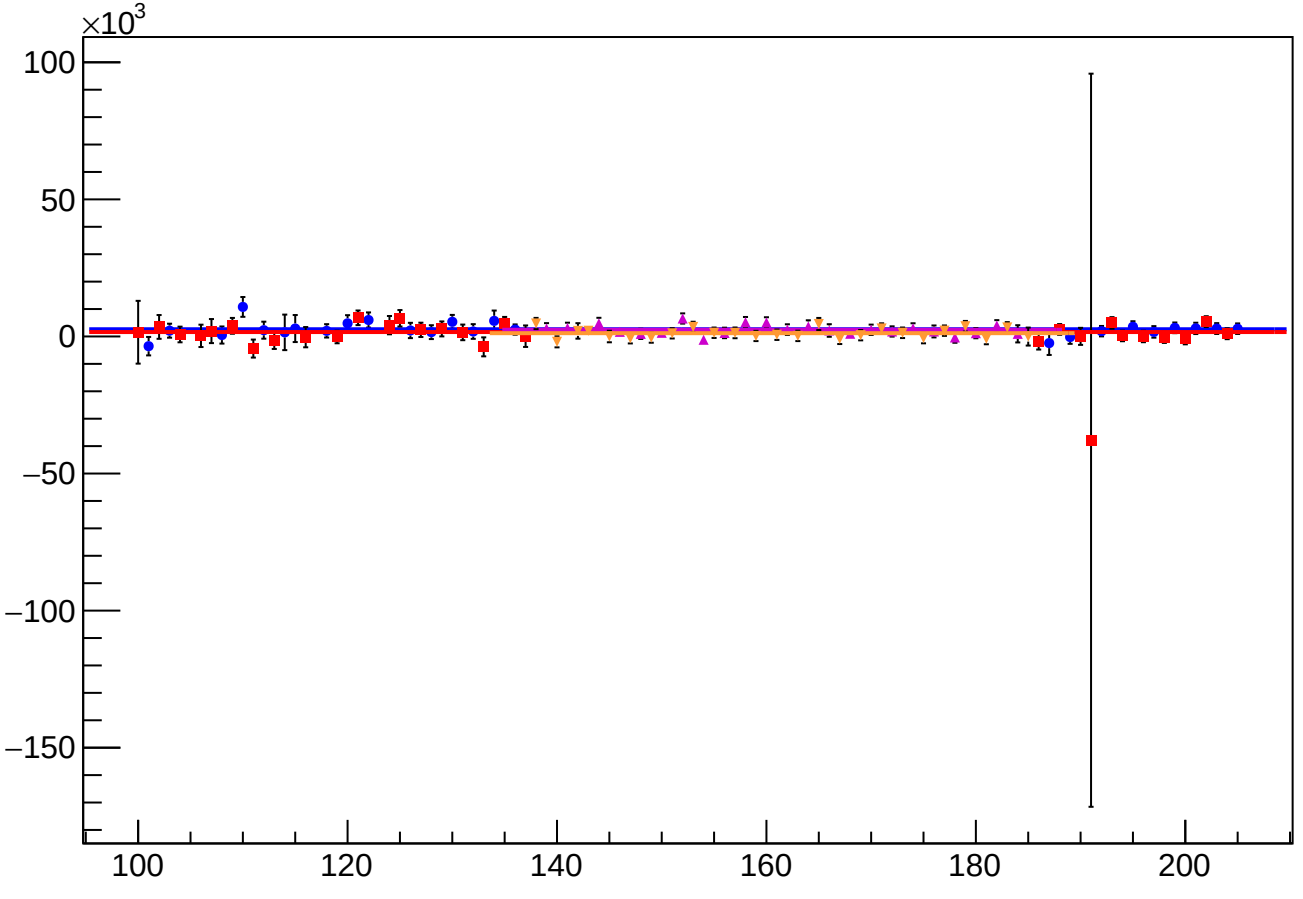
Left: 4919.742+/-0.578 χ^2/NDF: 2212072.5/47

Right: 2453.217+/-0.440 χ^2/NDF: 27103374.9/54

In: 3723.496+/-0.537 χ^2/NDF:15926551.6/47

Out: 3088.300+/-0.461 χ^2/NDF:24120847.2/54

All: 3357.944+/-0.350 χ^2/NDF: 40852184.2/



Right In: 2628.003+/-504.644 χ^2/NDF: 16.5/24

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: 1608.591+/-493.263 χ^2/NDF: 29.2/29

Left In: 2438.062+/-407.552 χ^2/NDF:20.6/22

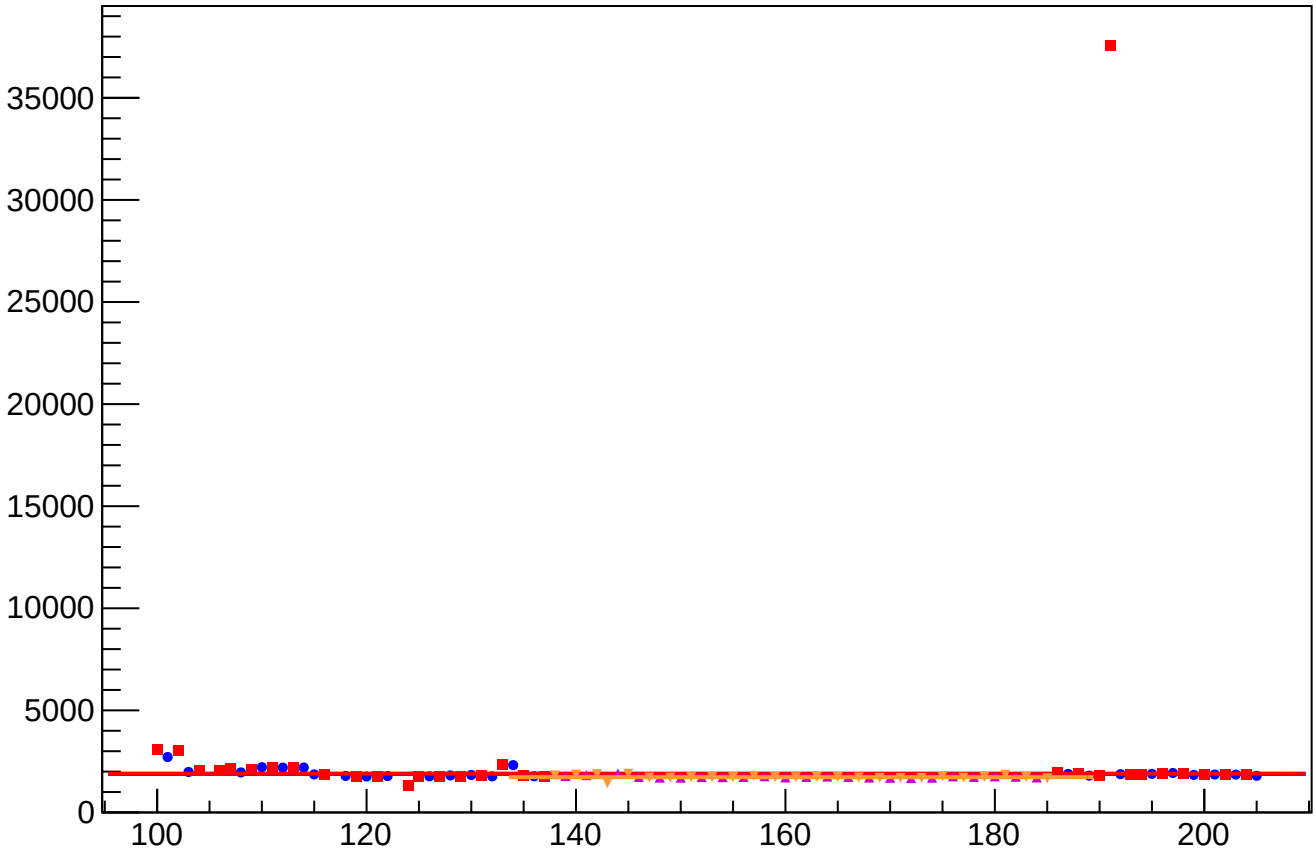
Left: 1795.135+/-282.891 χ^2/NDF: 44.9/47

Right: 2106.673+/-352.745 χ^2/NDF: 47.8/54

In: 2513.042+/-317.065 χ^2/NDF:37.2/47

Out: 1357.029+/-307.362 χ^2/NDF:49.1/54

All: 1917.075+/-220.688 χ^2/NDF: 93.2/102



Right In: 1887.321+/-0.357 χ^2/NDF: 229587.9/24

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

Right Out: 1898.731+/-0.349 χ^2/NDF: 501322.5/29

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

Left: 1735.618+/-0.200 χ^2/NDF: 138956.4/47

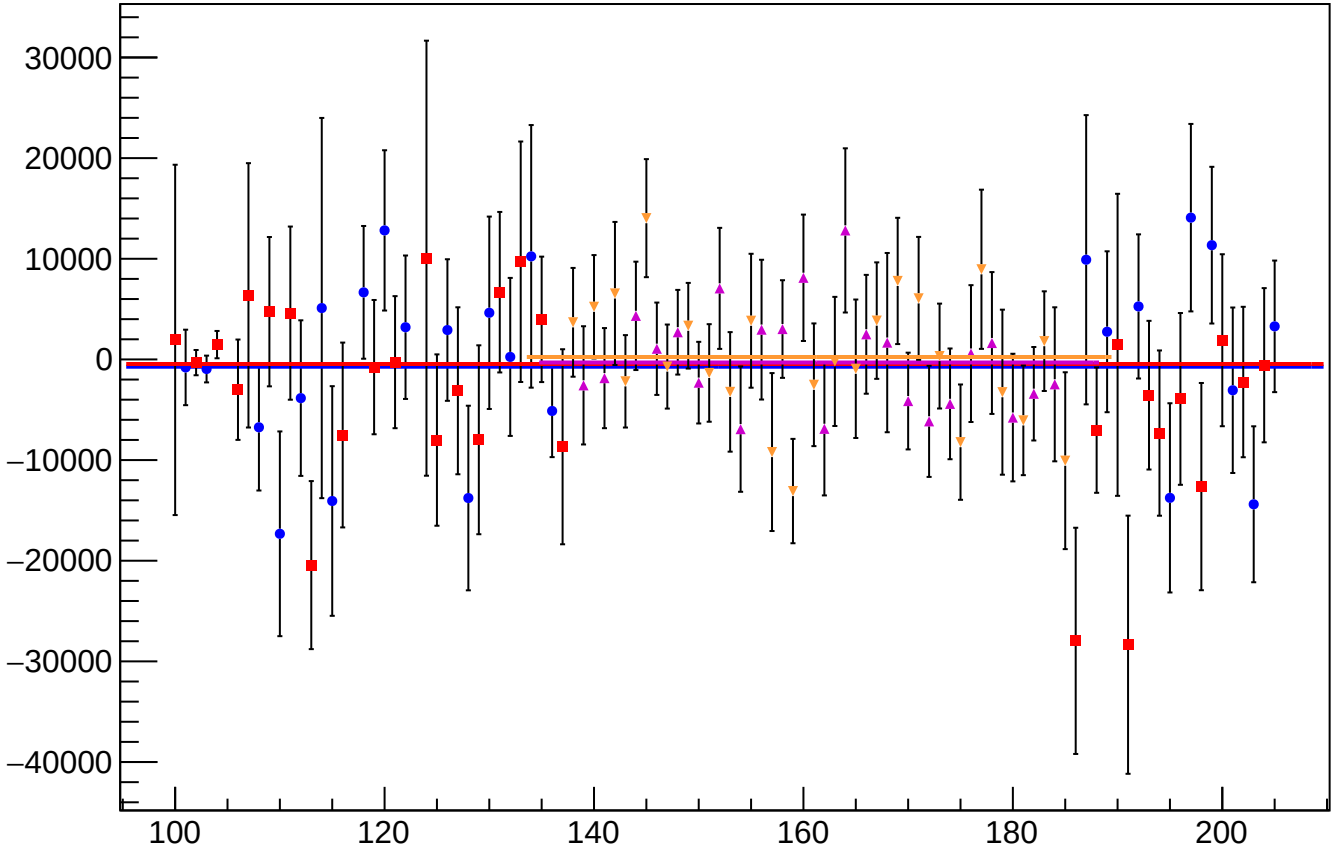
Right: 1893.158+/-0.249 χ^2/NDF: 731433.5/54

In: 1800.960+/-0.224 χ^2/NDF:353160.6/47

Out: 1793.855+/-0.217 χ^2/NDF:759549.3/54

All: 1797.296+/-0.156 χ^2/NDF: 1113227.7/10

asym_atl1r2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -723.757+/-998.137 χ^2/NDF: 25.8/24

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: -454.755+/-795.255 χ^2/NDF: 28.7/29

Left In: -306.109+/-1171.021 χ^2/NDF:14.5/22

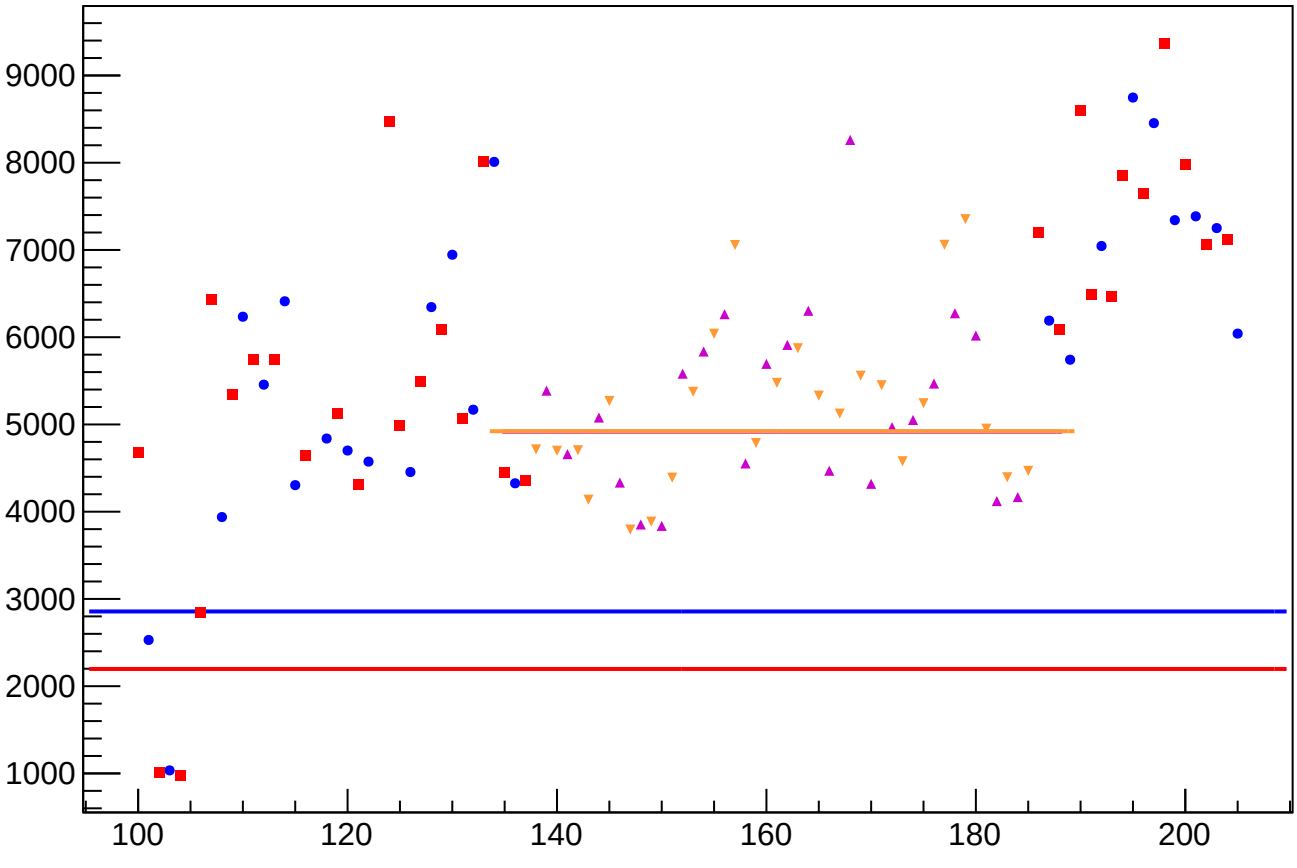
Left: -25.377+/-817.202 χ^2/NDF: 41.3/47

Right: -559.209+/-621.978 χ^2/NDF: 54.5/54

In: -548.010+/-759.633 χ^2/NDF:40.4/47

Out: -227.223+/-652.415 χ^2/NDF:55.6/54

All: -363.399+/-494.931 χ^2/NDF: 96.1/102



Right In: 2856.404+/-0.706 χ^2/NDF: 11178190.0/24

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2197.274+/-0.562 χ^2/NDF: 15391695.9/29

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

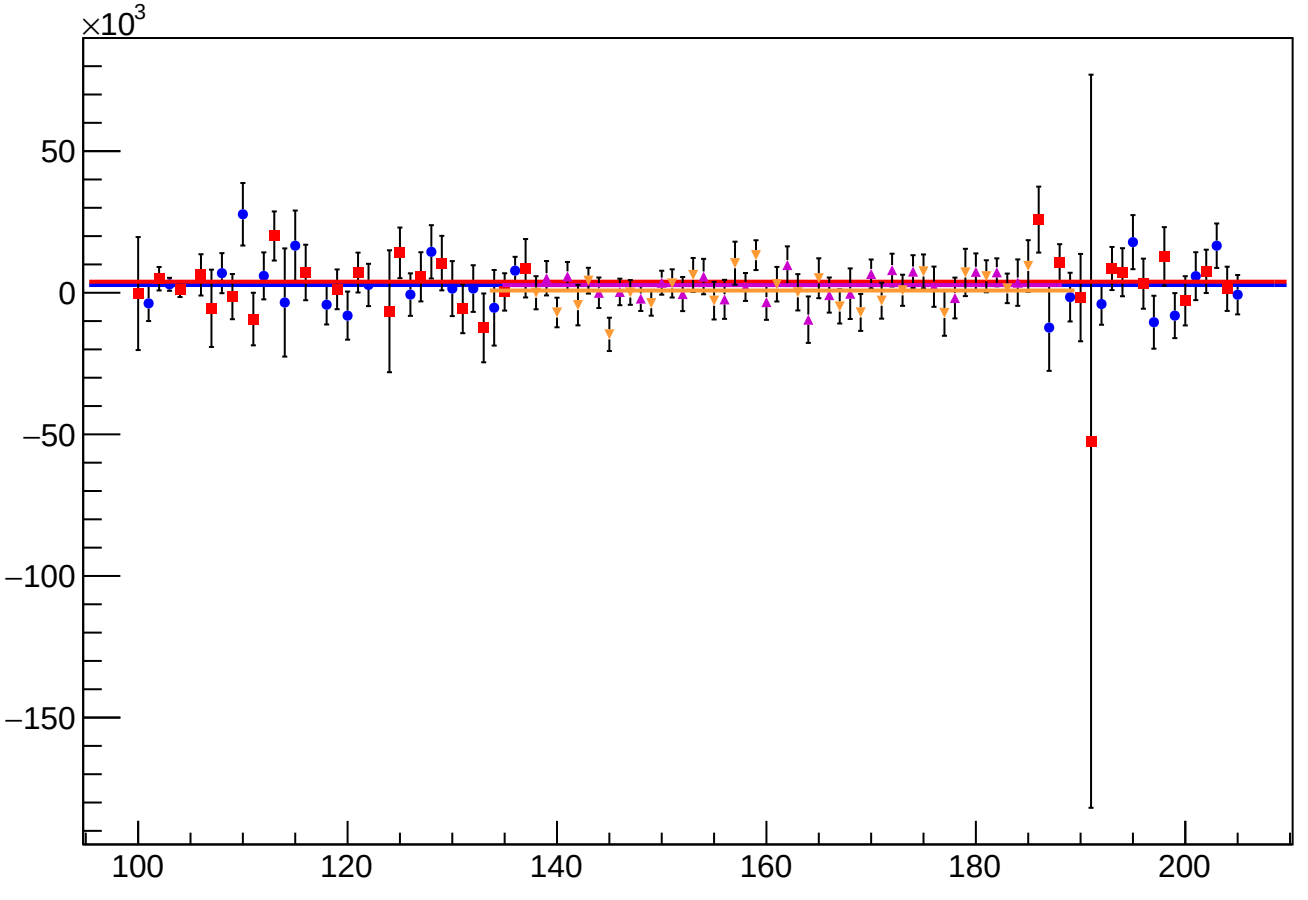
Left: 4919.750+/-0.578 χ^2/NDF: 2212077.2/47

Right: 2453.216+/-0.440 χ^2/NDF: 27103379.4/54

In: 3723.496+/-0.537 χ^2/NDF:15926587.9/47

Out: 3088.299+/-0.461 χ^2/NDF:24120885.5/54

All: 3357.943+/-0.350 χ^2/NDF: 40852260.1/1



Right In: 2731.593+/-1351.259 χ^2/NDF: 25.8/24

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: 3908.816+/-1348.067 χ^2/NDF: 21.0/29

Left In: 2705.532+/-1206.281 χ^2/NDF:11.9/22

Left: 1719.085+/-840.574 χ^2/NDF: 40.8/47

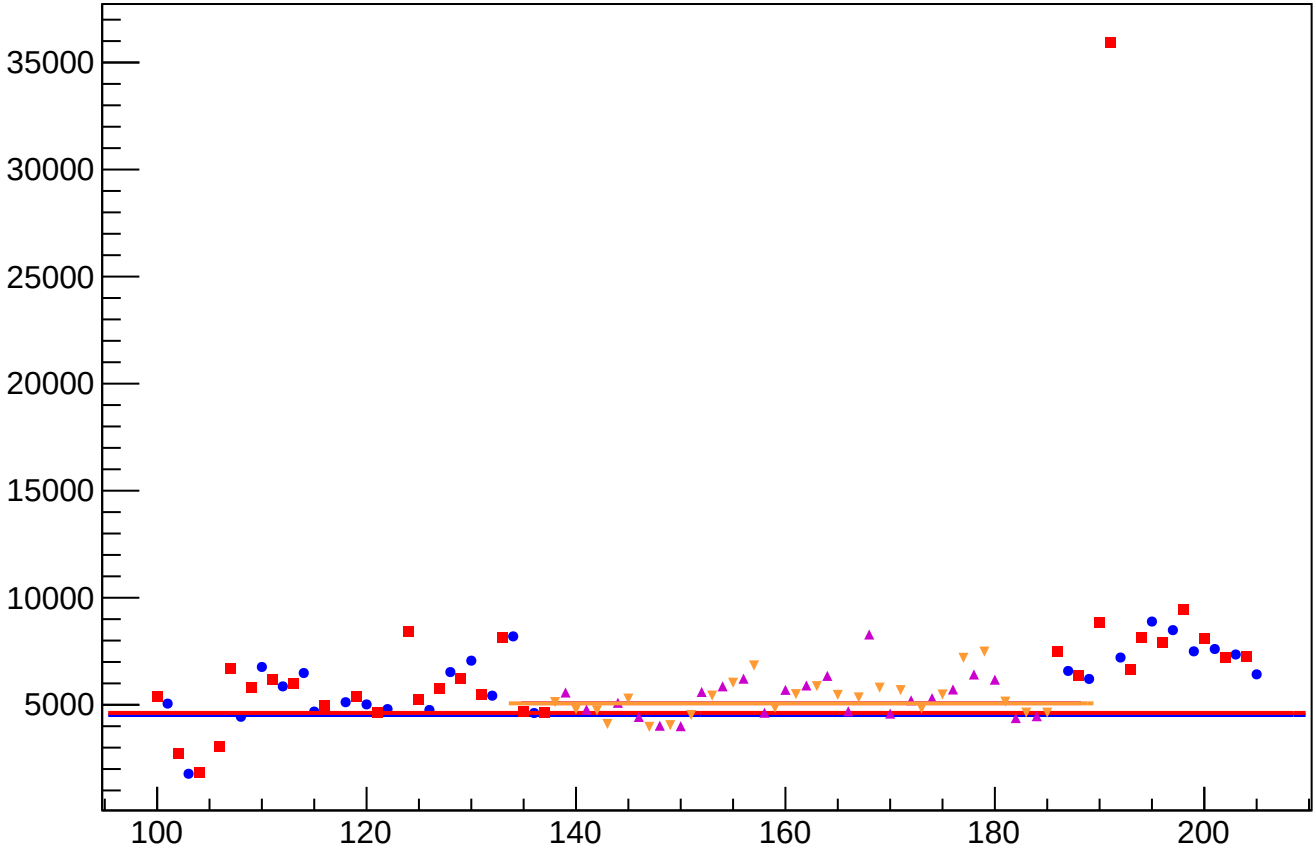
Right: 3321.597+/-954.354 χ^2/NDF: 47.2/54

In: 2717.090+/-899.877 χ^2/NDF:37.7/47

Out: 2131.362+/-884.457 χ^2/NDF:51.6/54

All: 2419.165+/-630.787 χ^2/NDF: 89.5/102

asym_atl1r2_avg_rms vs Slug, Sign Corrected



Right In: 4522.821+/-0.955 χ^2/NDF: 5581523.9/24

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4620.328+/-0.946 χ^2/NDF: 5913520.7/29

Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

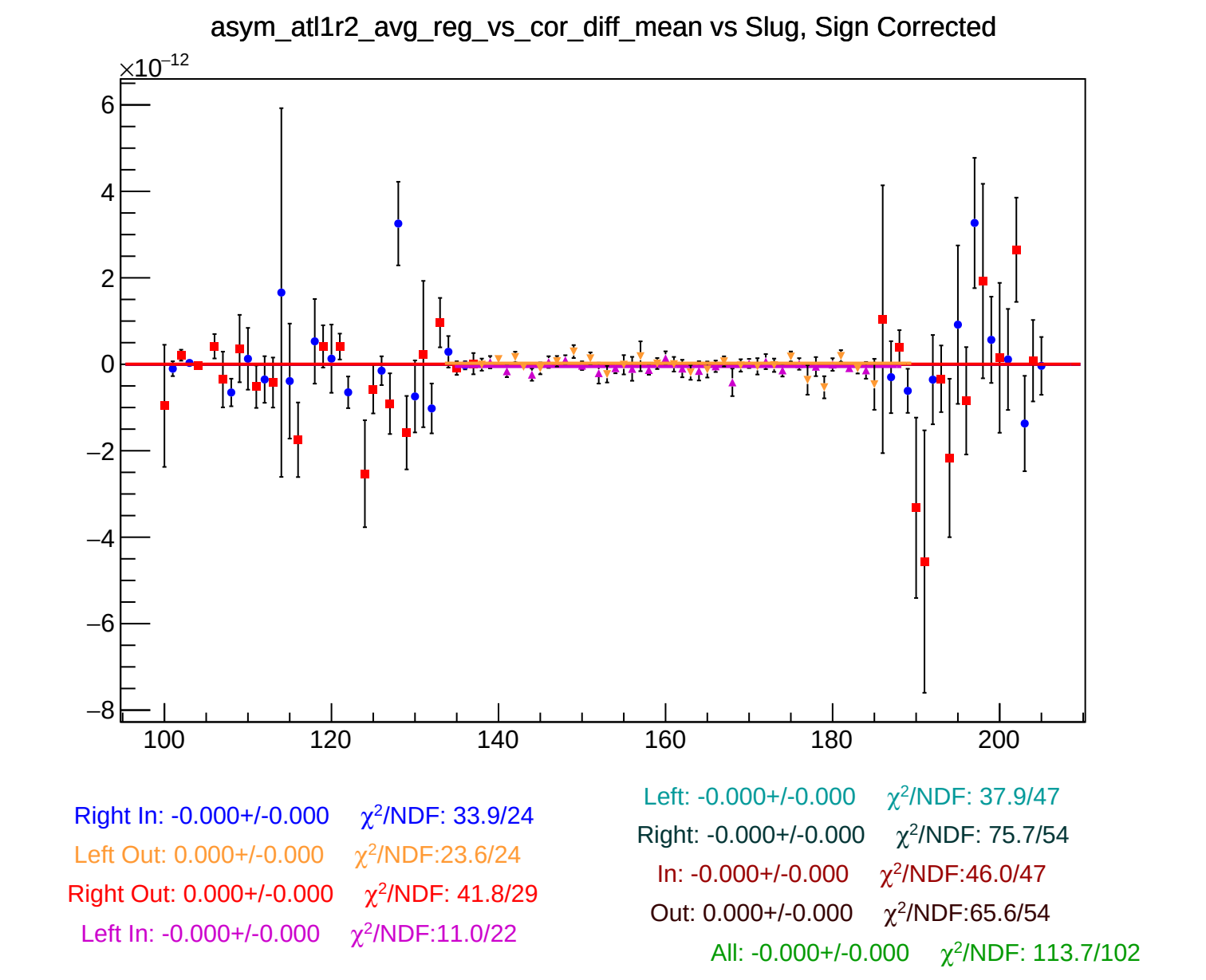
Left: 5073.636+/-0.594 χ^2/NDF: 1955594.0/47

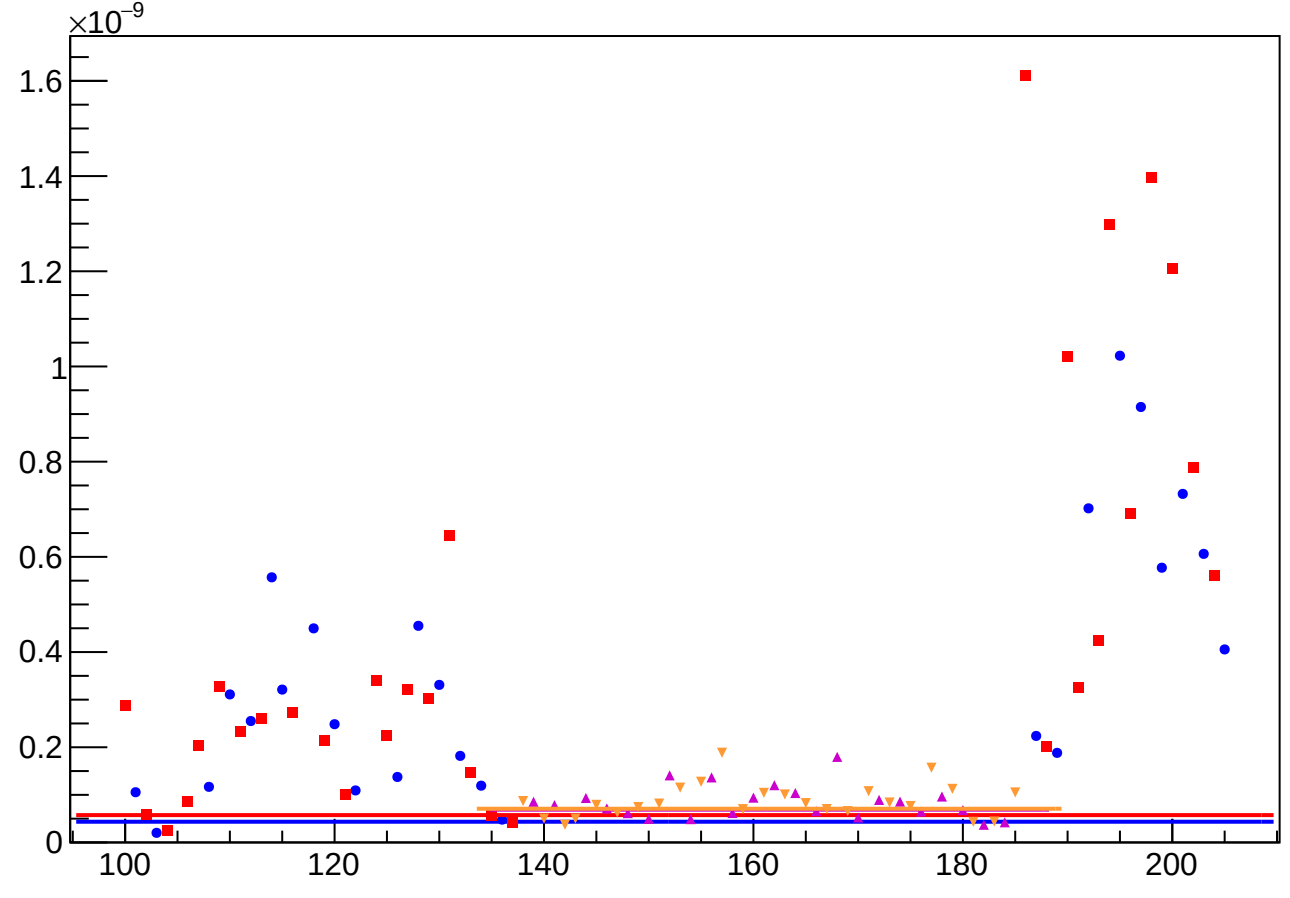
Right: 4572.060+/-0.672 χ^2/NDF: 11500303.6/54

In: 4832.735+/-0.636 χ^2/NDF:6771810.8/47

Out: 4873.570+/-0.623 χ^2/NDF:6994421.8/54

All: 4853.572+/-0.445 χ^2/NDF: 13768334.2/1


asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.9/24
Left Out: 0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 41.8/29
Left In: -0.000+/-0.000 χ²/NDF:11.0/22
Left: -0.000+/-0.000 χ²/NDF: 37.9/47
Right: -0.000+/-0.000 χ²/NDF: 75.7/54
In: -0.000+/-0.000 χ²/NDF:46.0/47
Out: 0.000+/-0.000 χ²/NDF:65.6/54
All: -0.000+/-0.000 χ²/NDF: 113.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 7871975.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8968724.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

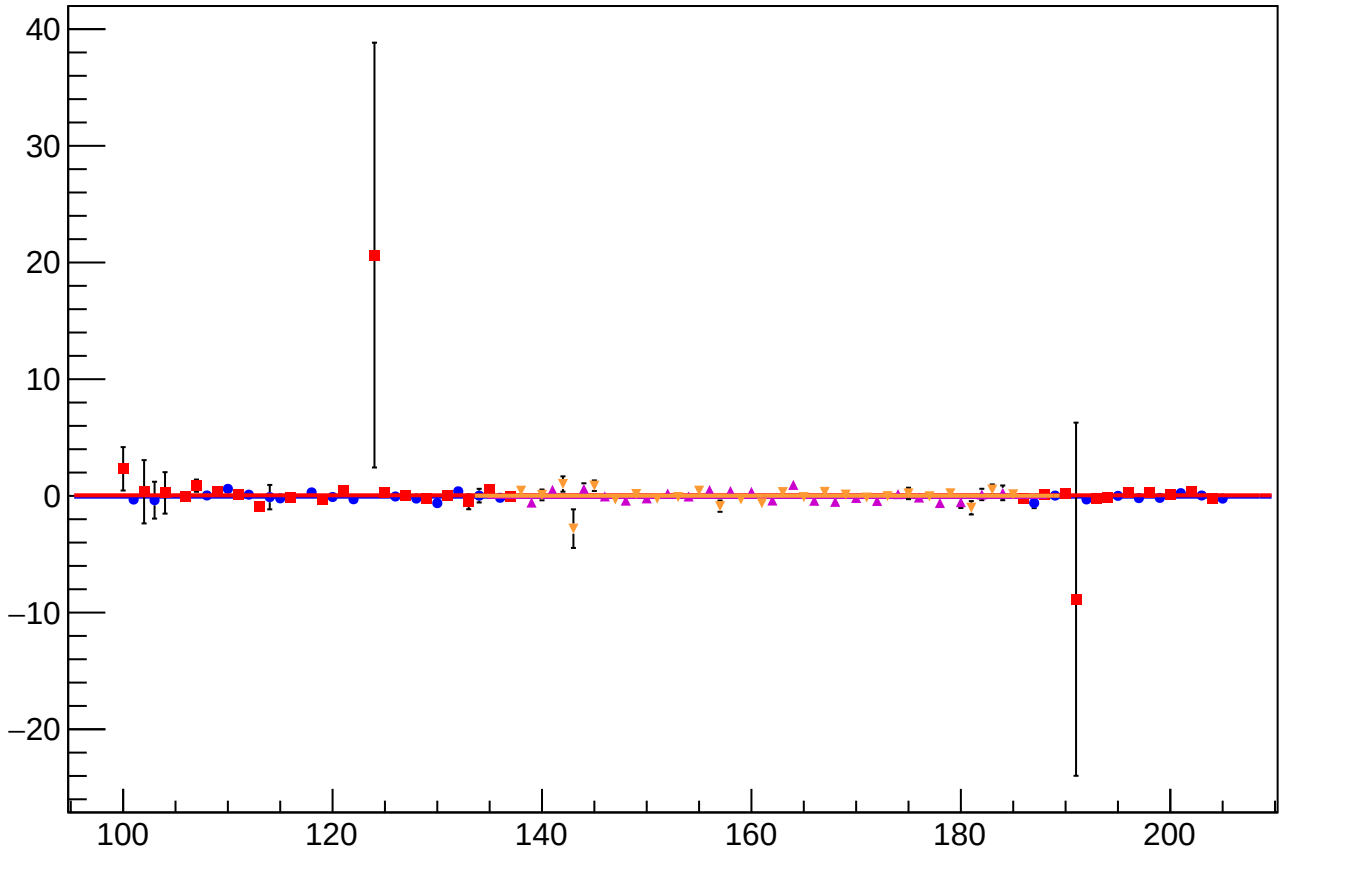
Left: 0.000+/-0.000 χ^2/NDF: 2925873.0/47

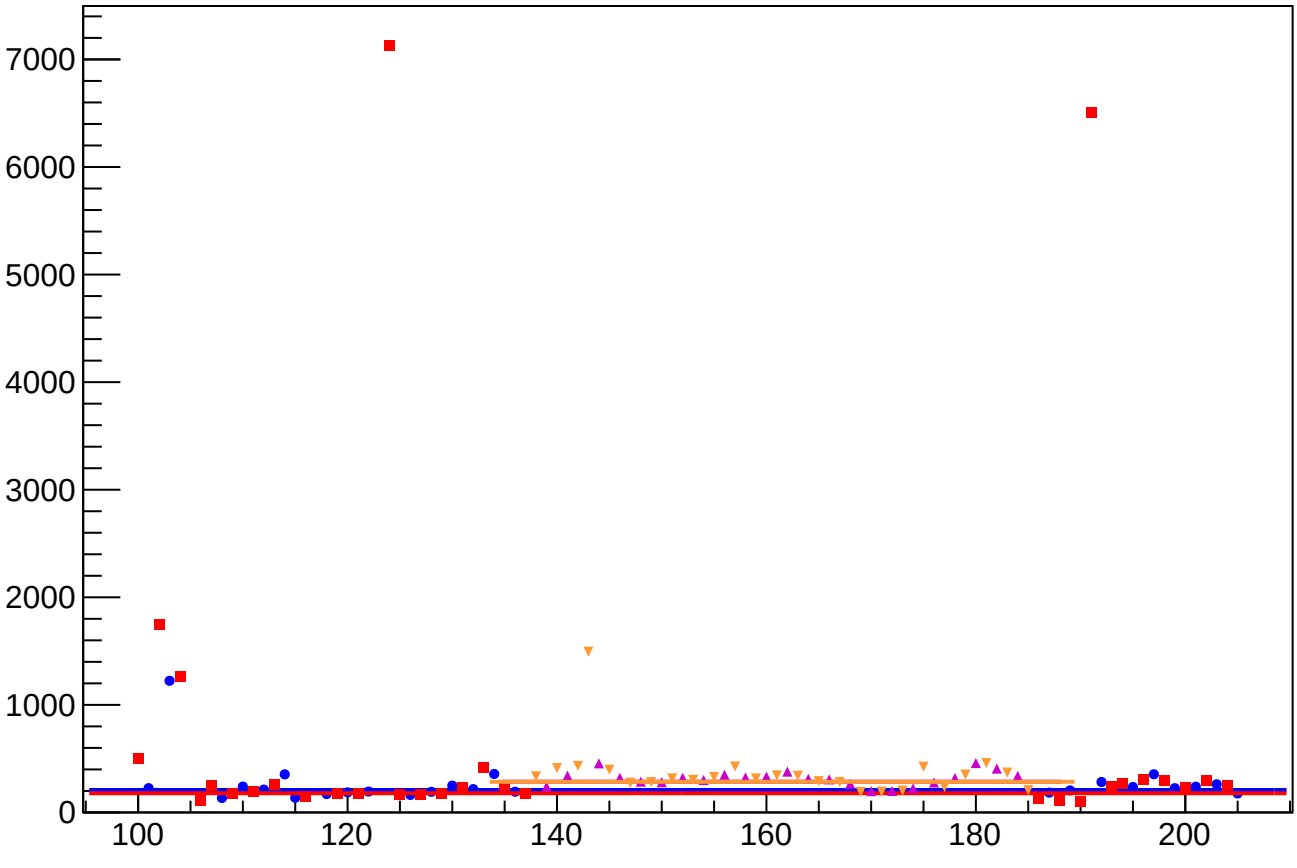
Right: 0.000+/-0.000 χ^2/NDF: 16959535.9/54

In: 0.000+/-0.000 χ^2/NDF:9897169.5/47

Out: 0.000+/-0.000 χ^2/NDF:10585629.6/54

All: 0.000+/-0.000 χ^2/NDF: 20601685.5/102


asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: -0.068+/-0.060 χ²/NDF: 16.4/24
Left Out: 0.014+/-0.070 χ²/NDF:28.3/24
Right Out: 0.052+/-0.053 χ²/NDF: 29.7/29
Left In: -0.091+/-0.070 χ²/NDF:30.9/22
Left: -0.038+/-0.050 χ²/NDF: 60.3/47
Right: -0.000+/-0.039 χ²/NDF: 48.3/54
In: -0.078+/-0.046 χ²/NDF:47.4/47
Out: 0.038+/-0.042 χ²/NDF:58.1/54
All: -0.015+/-0.031 χ²/NDF: 109.0/102



Right In: 208.646+/-0.042 χ^2/NDF: 2042939.5/24

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 178.731+/-0.037 χ^2/NDF: 5211697.1/29

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

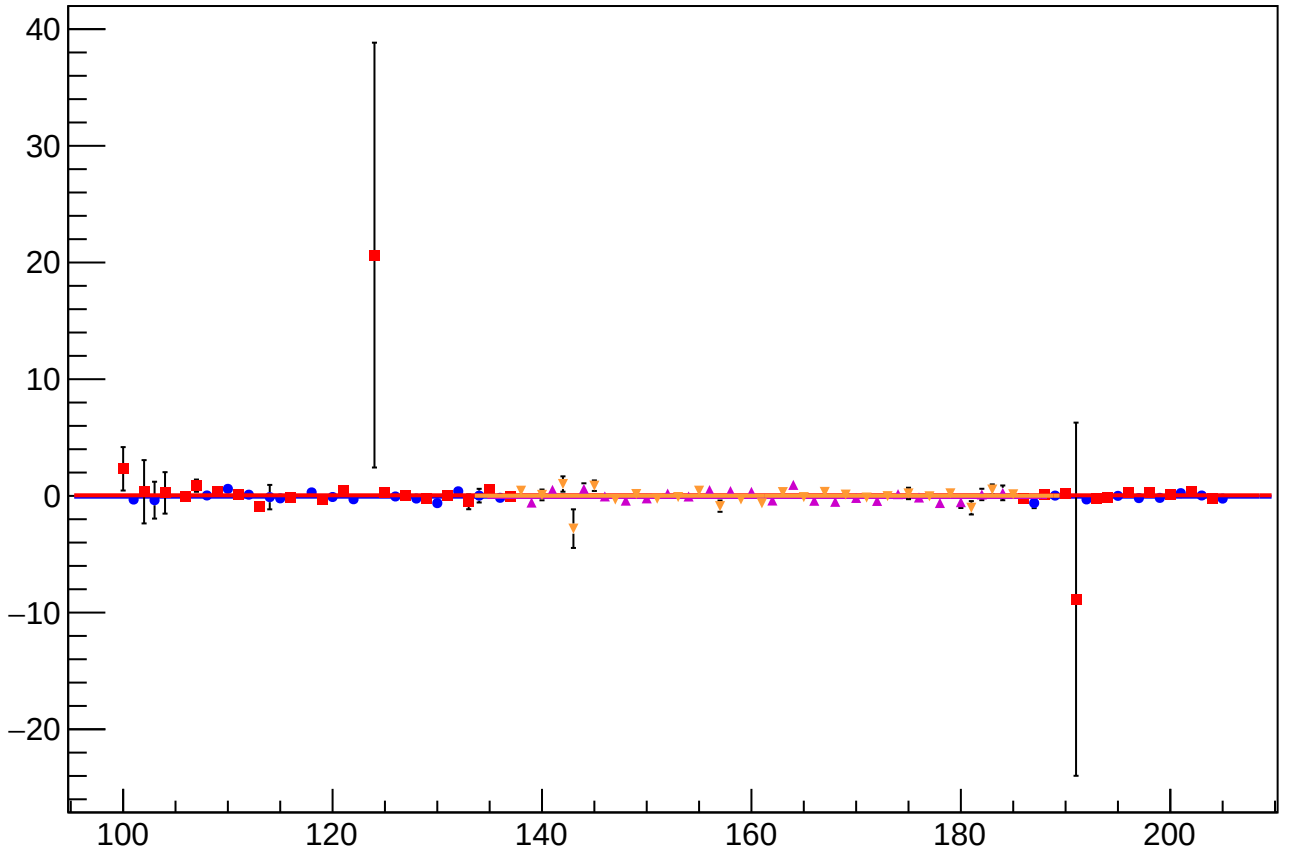
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

Right: 191.735+/-0.028 χ^2/NDF: 7536821.6/54

In: 241.053+/-0.032 χ^2/NDF:5183525.0/47

Out: 217.137+/-0.030 χ^2/NDF:11580026.7/54

All: 228.100+/-0.022 χ^2/NDF: 17061289.0/10



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.052+/-0.053 χ^2/NDF: 29.7/29

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

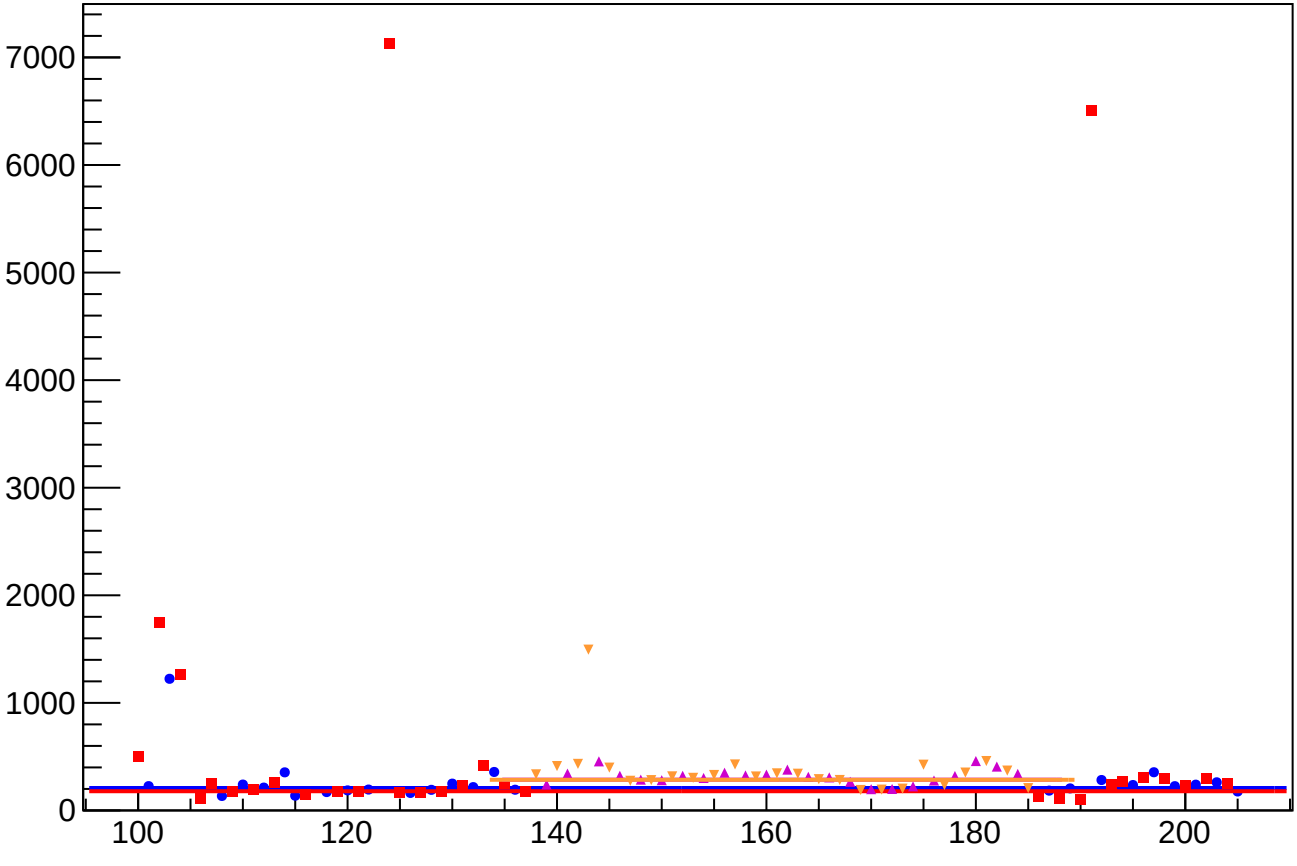
Right: -0.000+/-0.039 χ^2/NDF: 48.3/54

In: -0.078+/-0.046 χ^2/NDF:47.4/47

Out: 0.038+/-0.042 χ^2/NDF:58.1/54

All: -0.015+/-0.031 χ^2/NDF: 109.0/102

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 208.646+/-0.042 χ^2/NDF: 2042939.5/24

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 178.731+/-0.037 χ^2/NDF: 5211697.1/29

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

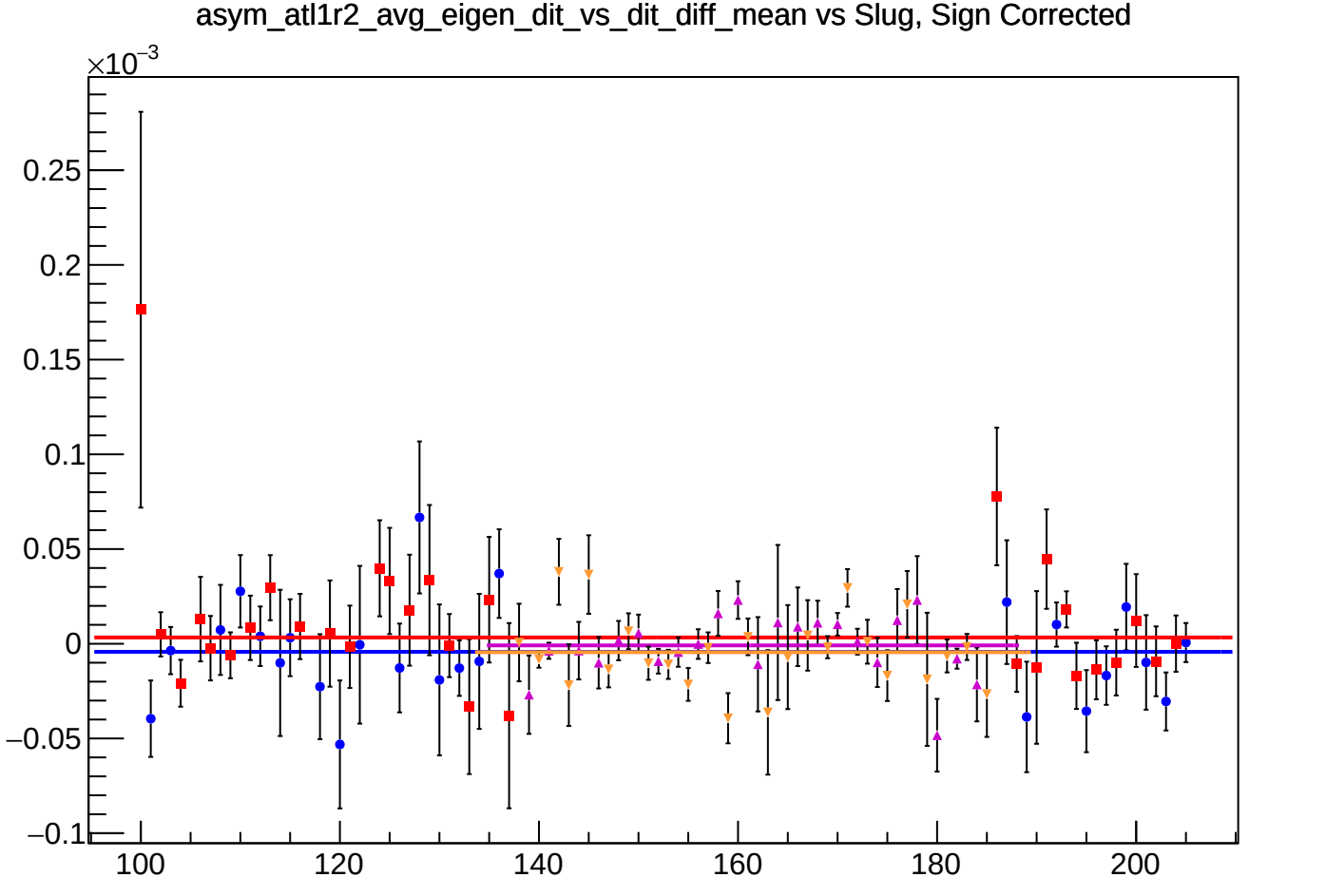
Left: 285.449+/-0.035 χ^2/NDF: 5151848.7/47

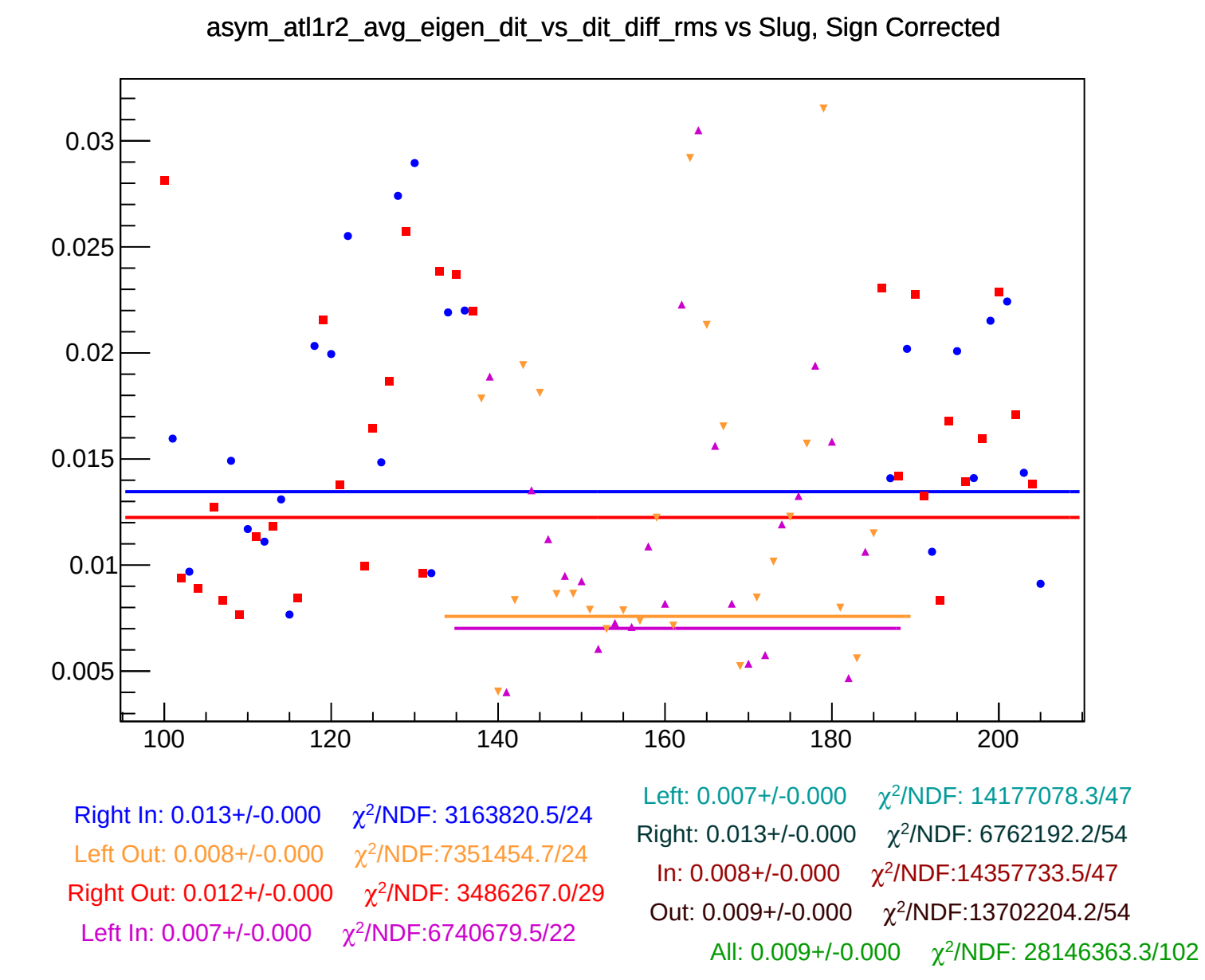
Right: 191.735+/-0.028 χ^2/NDF: 7536821.6/54

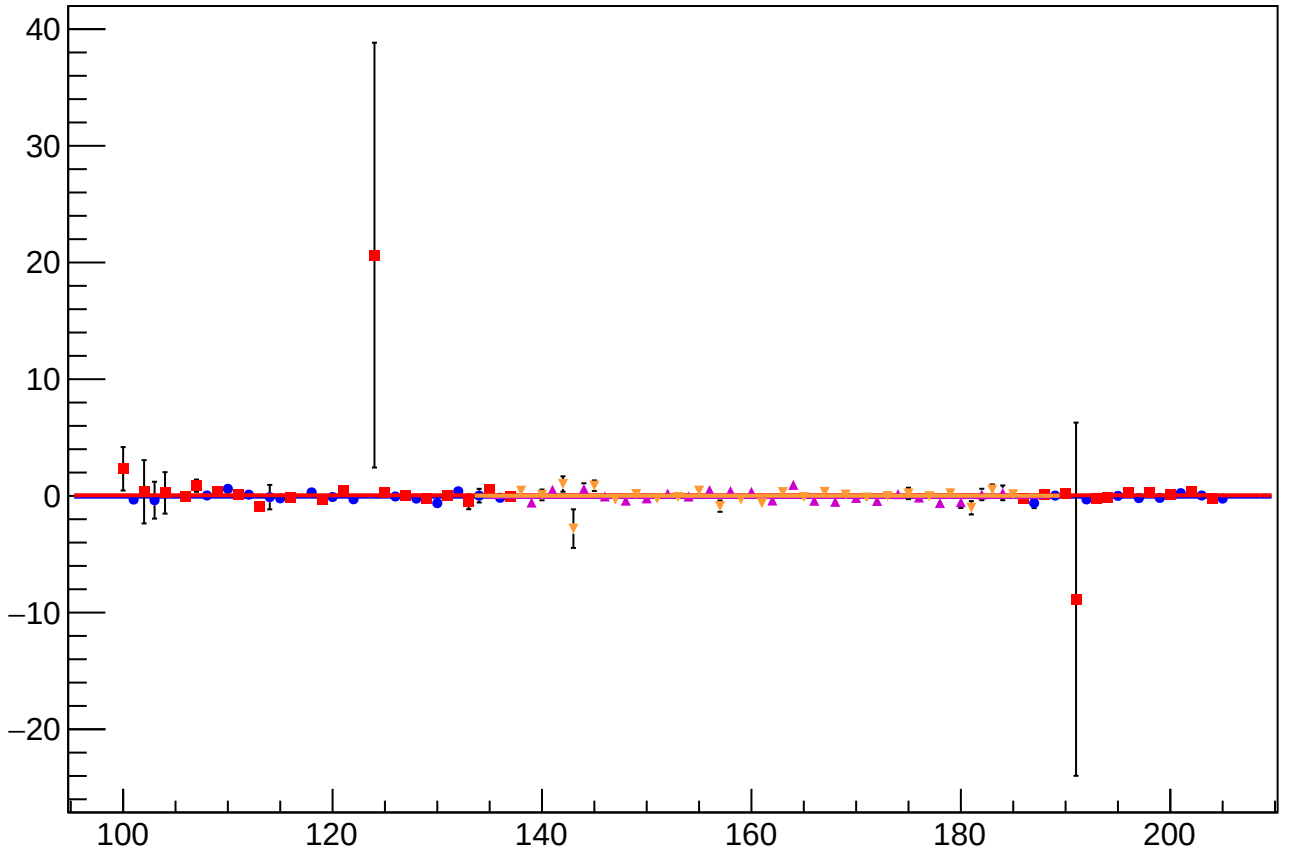
In: 241.053+/-0.032 χ^2/NDF:5183525.0/47

Out: 217.137+/-0.030 χ^2/NDF:11580026.7/54

All: 228.100+/-0.022 χ^2/NDF: 17061289.0/10


asym_atl1r2_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: 26.5/24
Left Out: -0.000+/-0.000 χ²/NDF:43.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.2/29
Left In: -0.000+/-0.000 χ²/NDF:29.0/22
Left: -0.000+/-0.000 χ²/NDF: 74.6/47
Right: 0.000+/-0.000 χ²/NDF: 58.9/54
In: -0.000+/-0.000 χ²/NDF:56.1/47
Out: -0.000+/-0.000 χ²/NDF:78.1/54
All: -0.000+/-0.000 χ²/NDF: 134.4/102


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: 0.013+/-0.000 χ²/NDF: 3163820.5/24
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.012+/-0.000 χ²/NDF: 3486267.0/29
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
Left: 0.007+/-0.000 χ²/NDF: 14177078.3/47
Right: 0.013+/-0.000 χ²/NDF: 6762192.2/54
In: 0.008+/-0.000 χ²/NDF:14357733.5/47
Out: 0.009+/-0.000 χ²/NDF:13702204.2/54
All: 0.009+/-0.000 χ²/NDF: 28146363.3/102



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.052+/-0.053 χ^2/NDF: 29.6/29

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

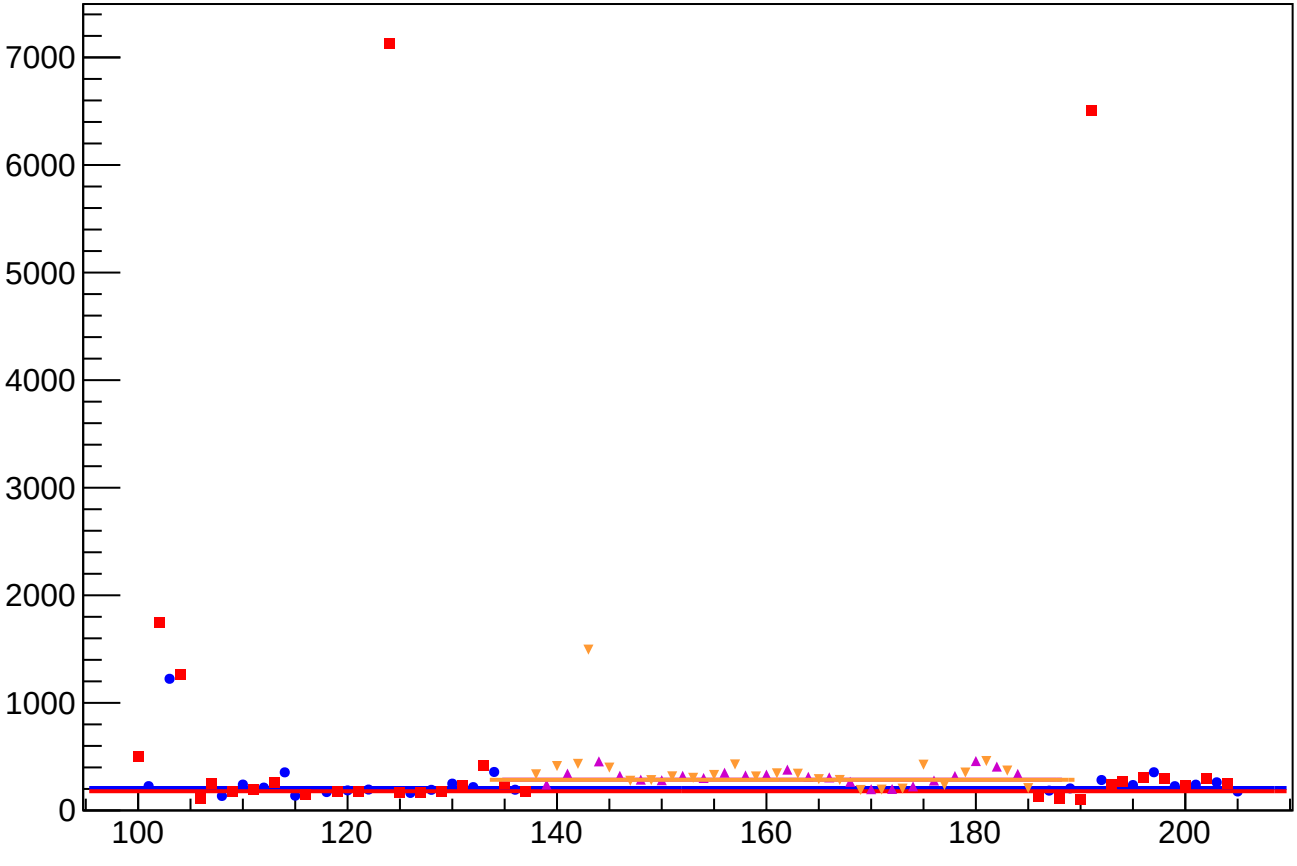
Right: -0.000+/-0.039 χ^2/NDF: 48.3/54

In: -0.078+/-0.046 χ^2/NDF:47.4/47

Out: 0.038+/-0.042 χ^2/NDF:58.1/54

All: -0.015+/-0.031 χ^2/NDF: 109.0/102

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 208.645+/-0.042 χ^2/NDF: 2042952.9/24

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 178.728+/-0.037 χ^2/NDF: 5211868.2/29

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

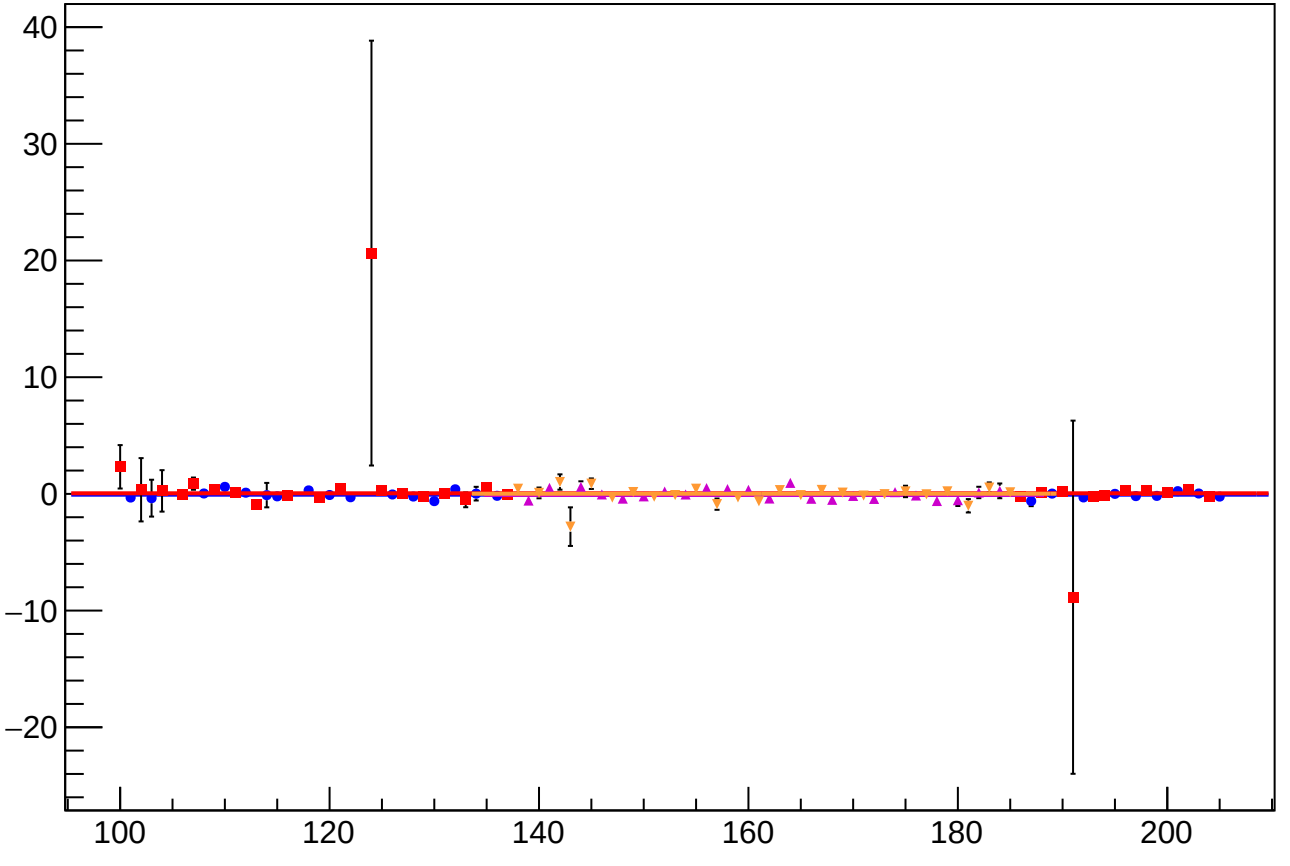
Right: 191.733+/-0.028 χ^2/NDF: 7537036.8/54

In: 241.052+/-0.032 χ^2/NDF:5183702.9/47

Out: 217.135+/-0.030 χ^2/NDF:11580512.6/54

All: 228.099+/-0.022 χ^2/NDF: 17061989.5/10

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: 0.052+/-0.053 χ^2/NDF: 29.6/29

Left In: -0.091+/-0.070 χ^2/NDF:30.9/22

Left: -0.038+/-0.050 χ^2/NDF: 60.3/47

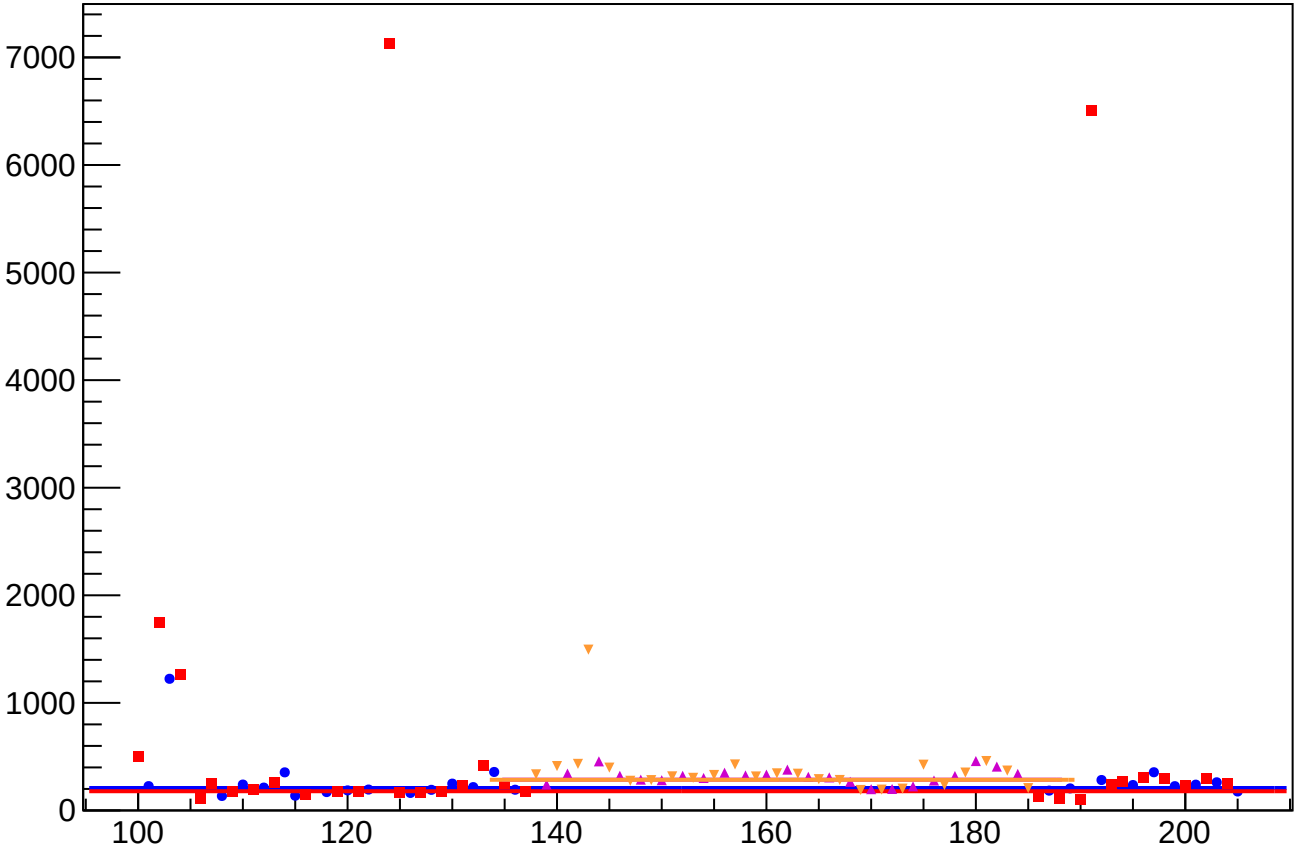
Right: -0.000+/-0.039 χ^2/NDF: 48.3/54

In: -0.078+/-0.046 χ^2/NDF:47.4/47

Out: 0.038+/-0.042 χ^2/NDF:58.1/54

All: -0.015+/-0.031 χ^2/NDF: 109.0/102

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 208.645+/-0.042 χ^2/NDF: 2042952.9/24

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

Right Out: 178.728+/-0.037 χ^2/NDF: 5211868.2/29

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

Left: 285.451+/-0.035 χ^2/NDF: 5151922.1/47

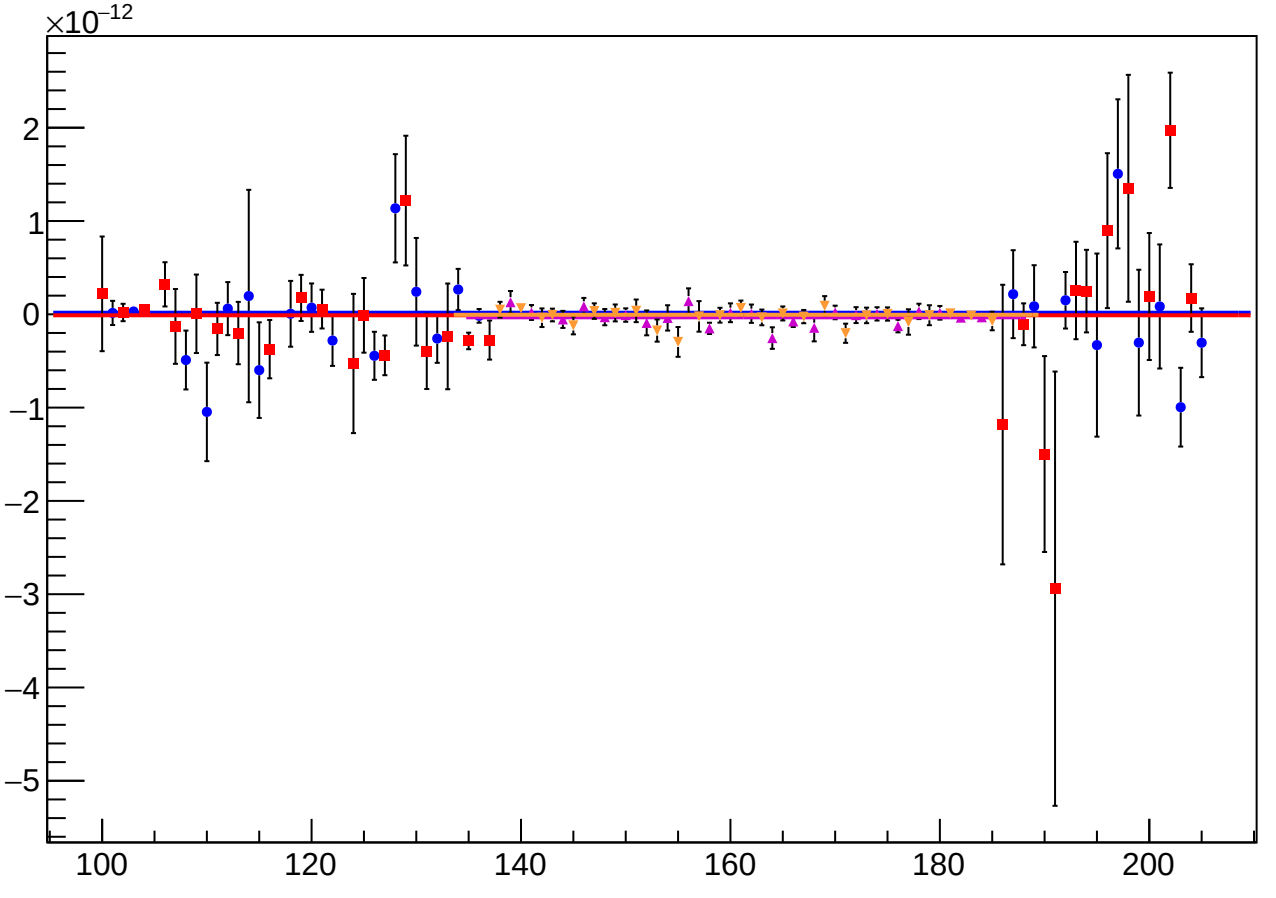
Right: 191.733+/-0.028 χ^2/NDF: 7537036.8/54

In: 241.052+/-0.032 χ^2/NDF:5183702.9/47

Out: 217.135+/-0.030 χ^2/NDF:11580512.6/54

All: 228.099+/-0.022 χ^2/NDF: 17061989.5/10

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/29

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

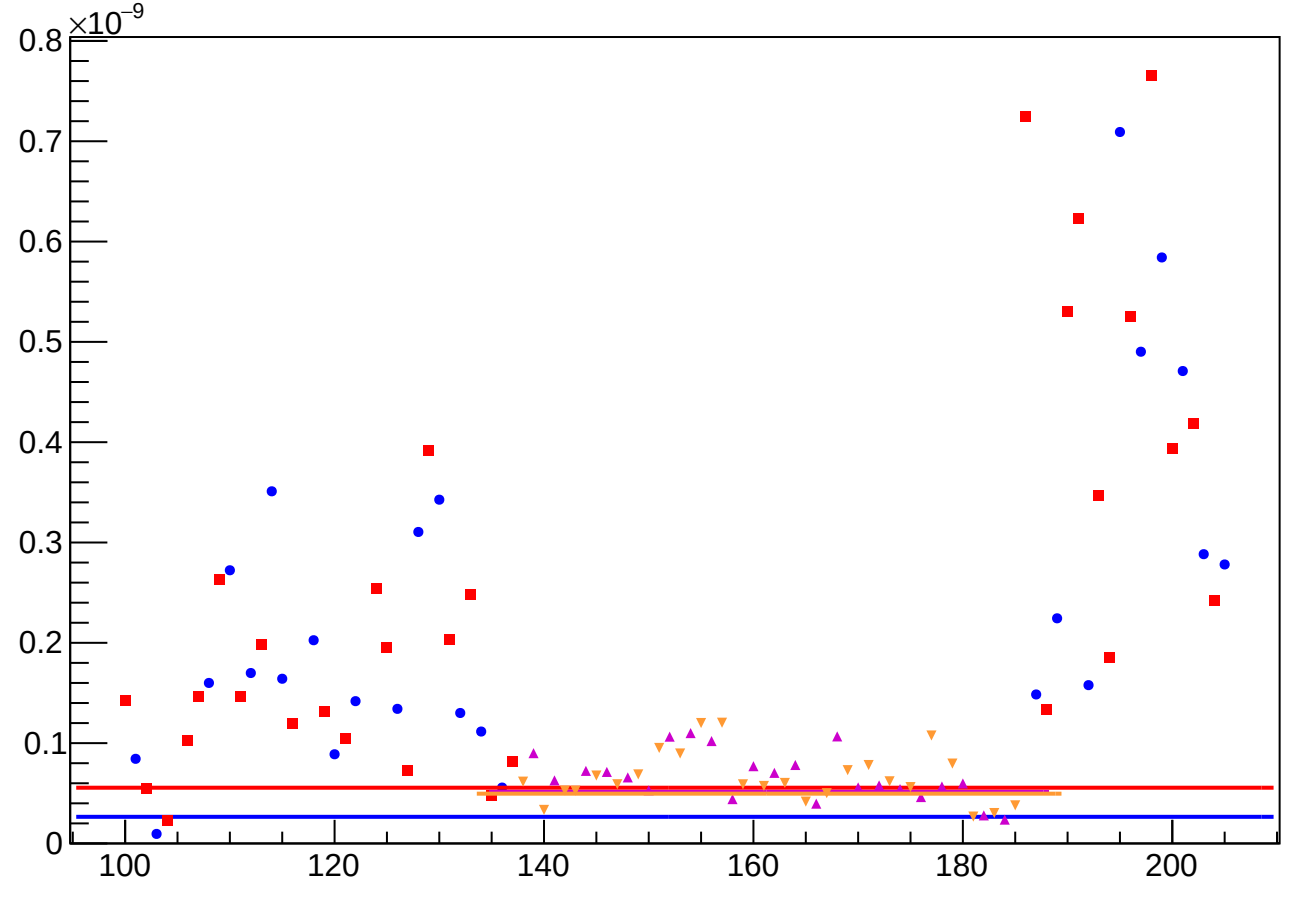
Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

Right: 0.000+/-0.000 χ^2/NDF: 75.9/54

In: -0.000+/-0.000 χ^2/NDF:52.5/47

Out: -0.000+/-0.000 χ^2/NDF:61.9/54

All: -0.000+/-0.000 χ^2/NDF: 114.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 12653506.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9374437.4/29

Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

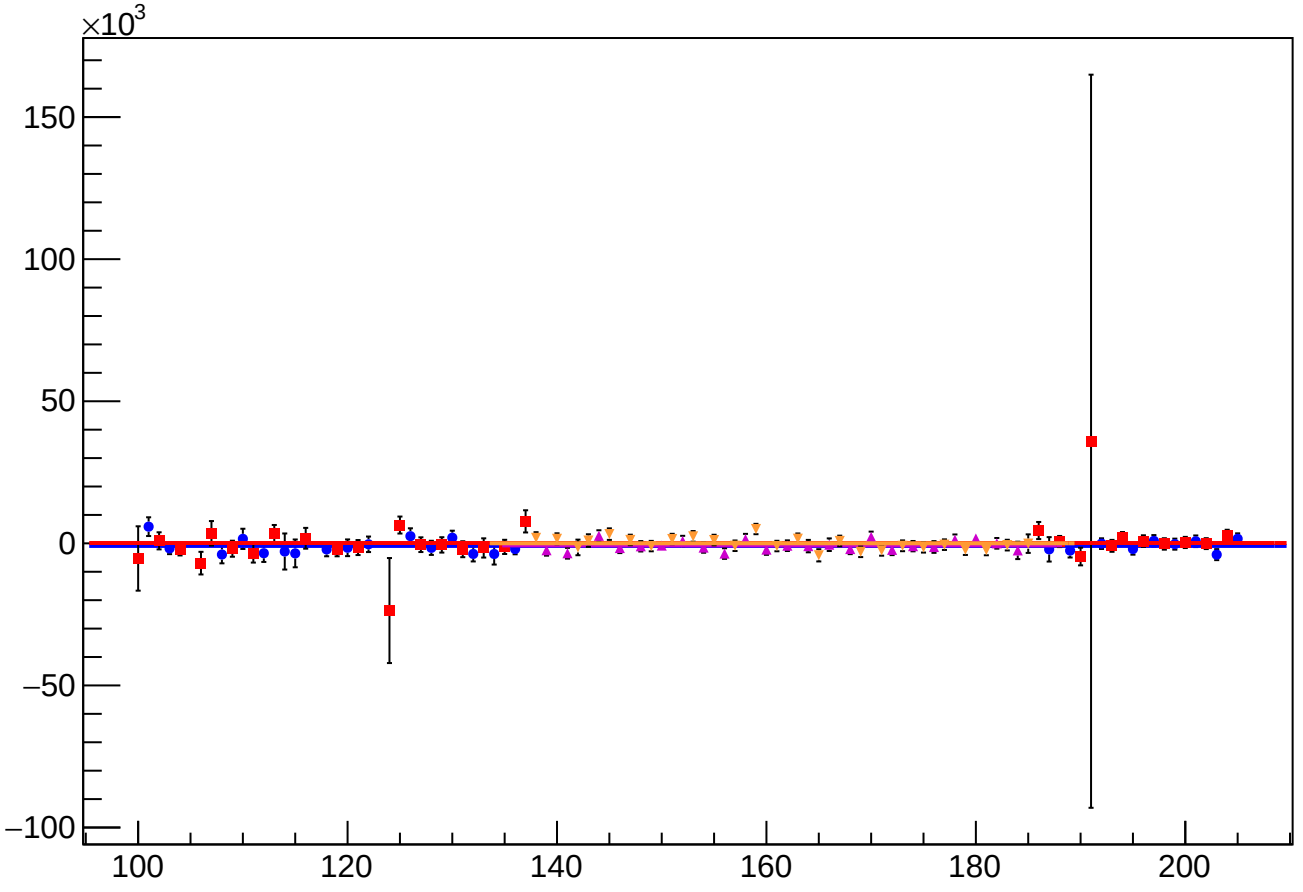
Left: 0.000+/-0.000 χ^2/NDF: 7555879.5/47

Right: 0.000+/-0.000 χ^2/NDF: 23273359.1/54

In: 0.000+/-0.000 χ^2/NDF:18171399.3/47

Out: 0.000+/-0.000 χ^2/NDF:13317944.7/54

All: 0.000+/-0.000 χ^2/NDF: 31930882.9/102



Right In: -907.277+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 124.433+/-484.598 χ^2/NDF: 28.6/29

Left In: -719.504+/-396.449 χ^2/NDF:19.1/22

Left: -339.941+/-277.199 χ^2/NDF: 50.3/47

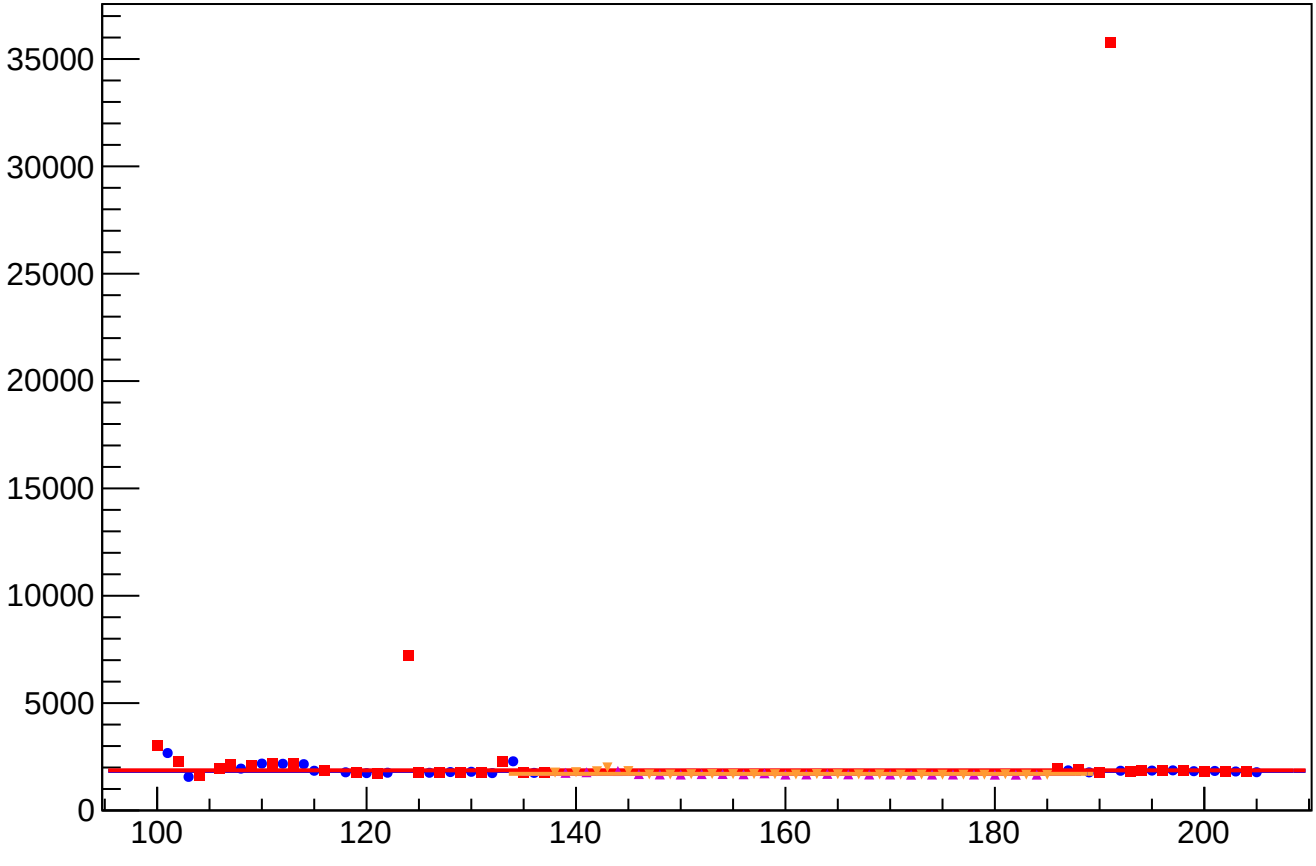
Right: -383.418+/-345.311 χ^2/NDF: 50.0/54

In: -793.395+/-308.744 χ^2/NDF:38.3/47

Out: 62.660+/-302.752 χ^2/NDF:58.1/54

All: -356.979+/-216.165 χ^2/NDF: 100.3/102

reg_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1840.320+/-0.348 χ^2/NDF: 264876.7/24

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1868.917+/-0.342 χ^2/NDF: 514707.0/29

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

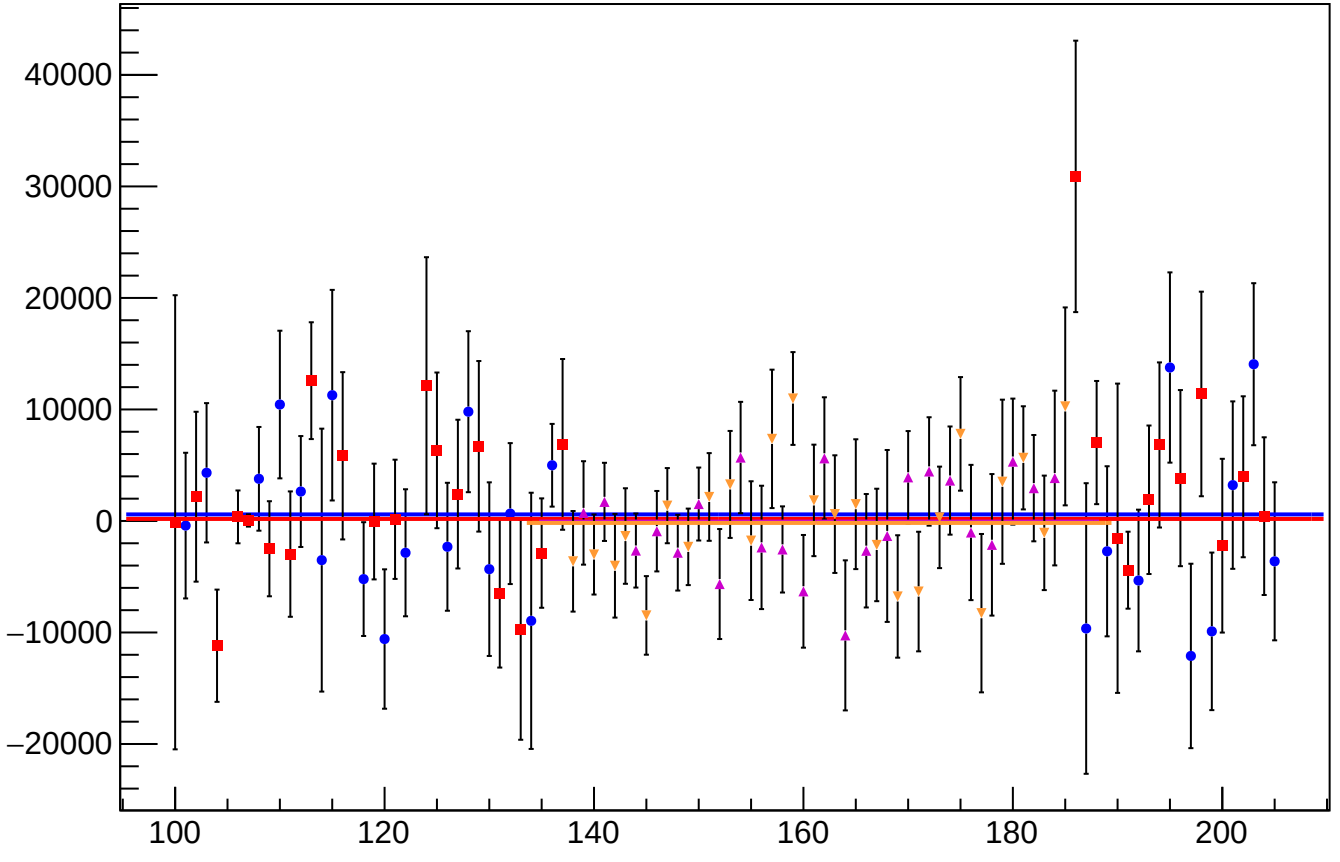
Right: 1854.856+/-0.244 χ^2/NDF: 783015.7/54

In: 1753.710+/-0.218 χ^2/NDF:388141.3/47

Out: 1769.450+/-0.214 χ^2/NDF:713257.2/54

All: 1761.737+/-0.153 χ^2/NDF: 1104049.8/10

asym_atl1r2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 587.472+/-1295.268 χ^2/NDF: 26.4/24

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: 181.838+/-490.082 χ^2/NDF: 30.6/29

Left In: -56.448+/-956.389 χ^2/NDF:14.3/22

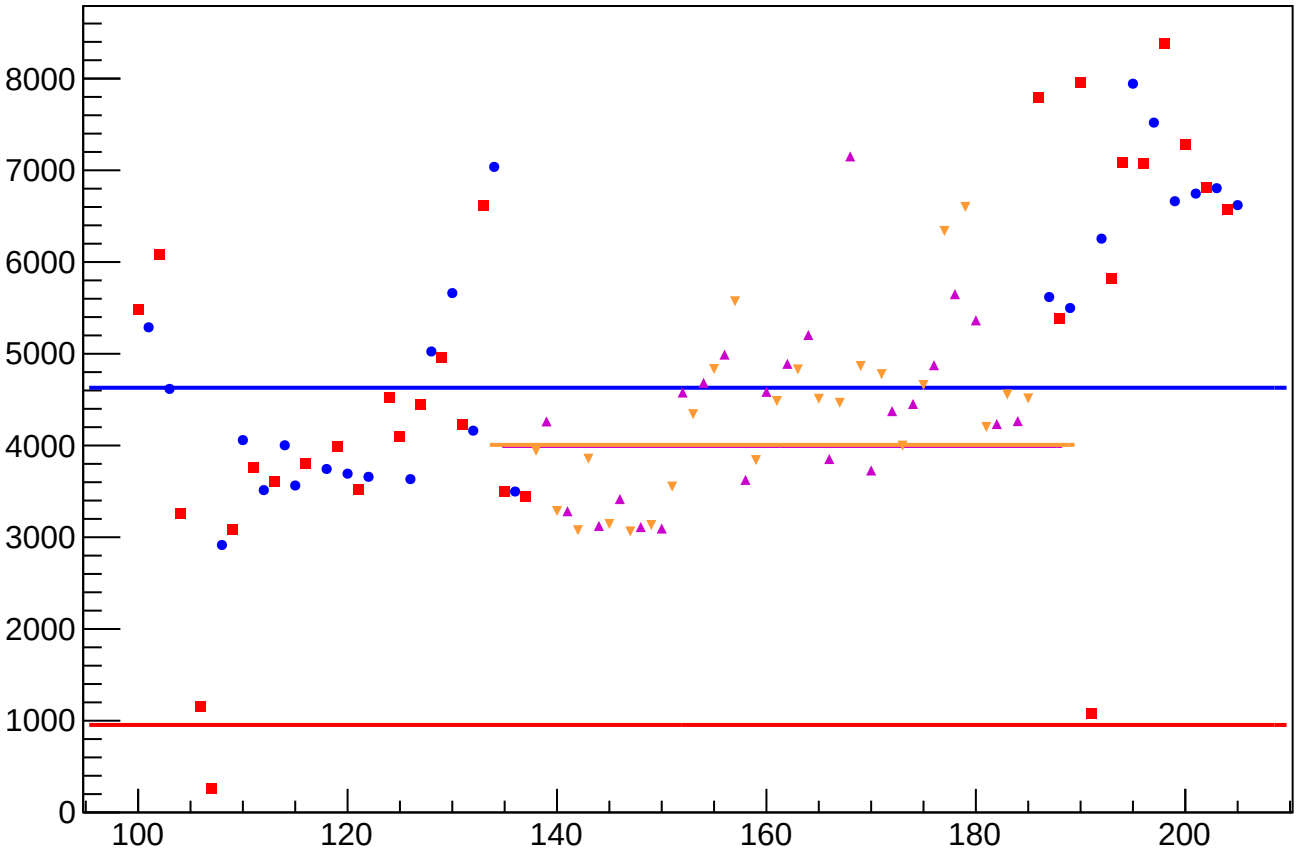
Left: -117.453+/-668.630 χ^2/NDF: 42.2/47

Right: 232.636+/-458.369 χ^2/NDF: 57.1/54

In: 170.747+/-769.384 χ^2/NDF:40.9/47

Out: 104.782+/-434.083 χ^2/NDF:58.7/54

All: 120.710+/-378.062 χ^2/NDF: 99.5/102



Right In: 4629.680+/-0.916 χ^2/NDF: 2364640.6/24

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 953.816+/-0.347 χ^2/NDF: 22393228.8/29

Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

Left: 4001.121+/-0.473 χ^2/NDF: 3041954.6/47

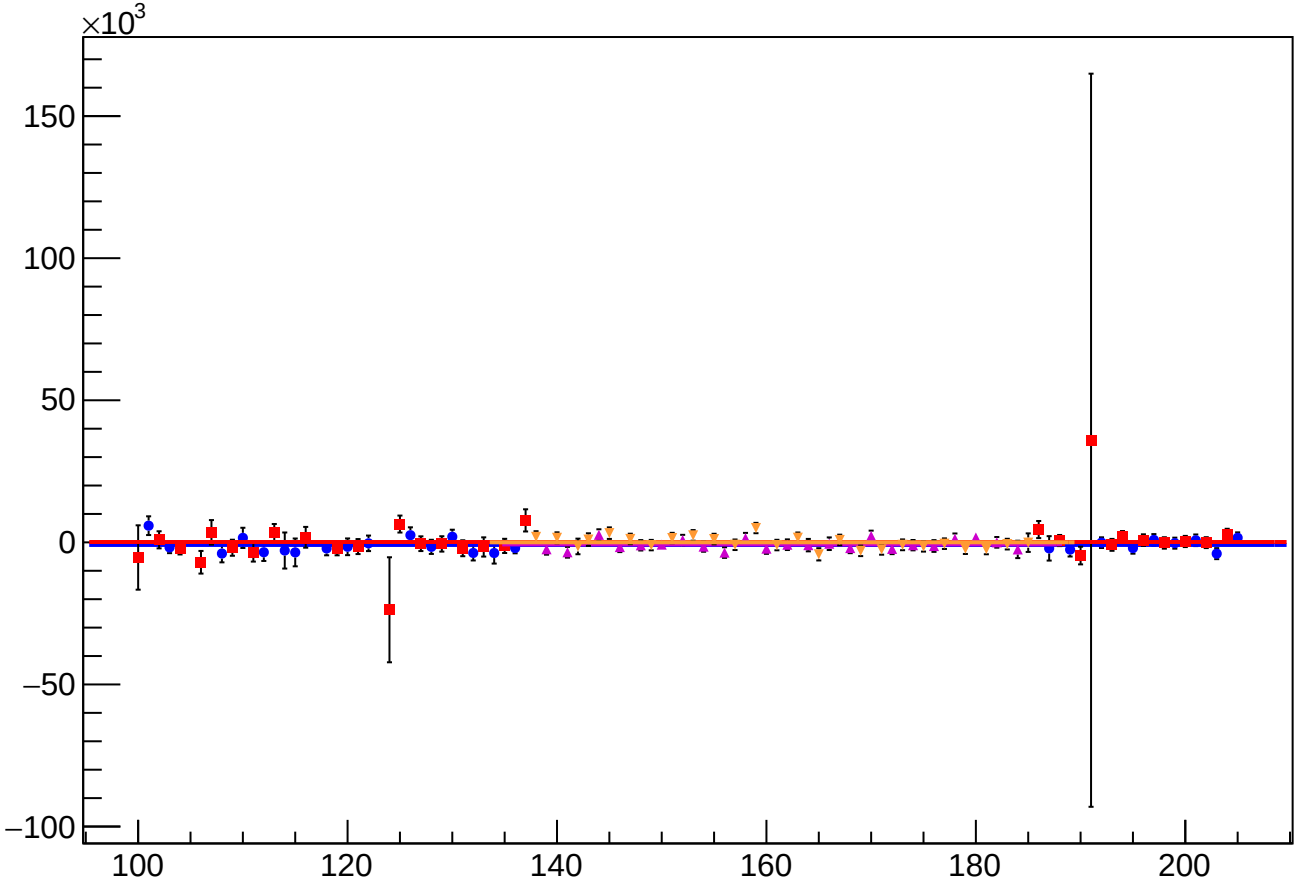
Right: 1414.148+/-0.324 χ^2/NDF: 38848258.3/54

In: 4218.918+/-0.544 χ^2/NDF:4213550.5/47

Out: 1611.692+/-0.307 χ^2/NDF:40622801.3/54

All: 2241.225+/-0.267 χ^2/NDF: 62257678.1/

cor_asym_atl1r2_dd_mean vs Slug, Sign Corrected



Right In: -907.051+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 124.267+/-484.599 χ^2/NDF: 28.7/29

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

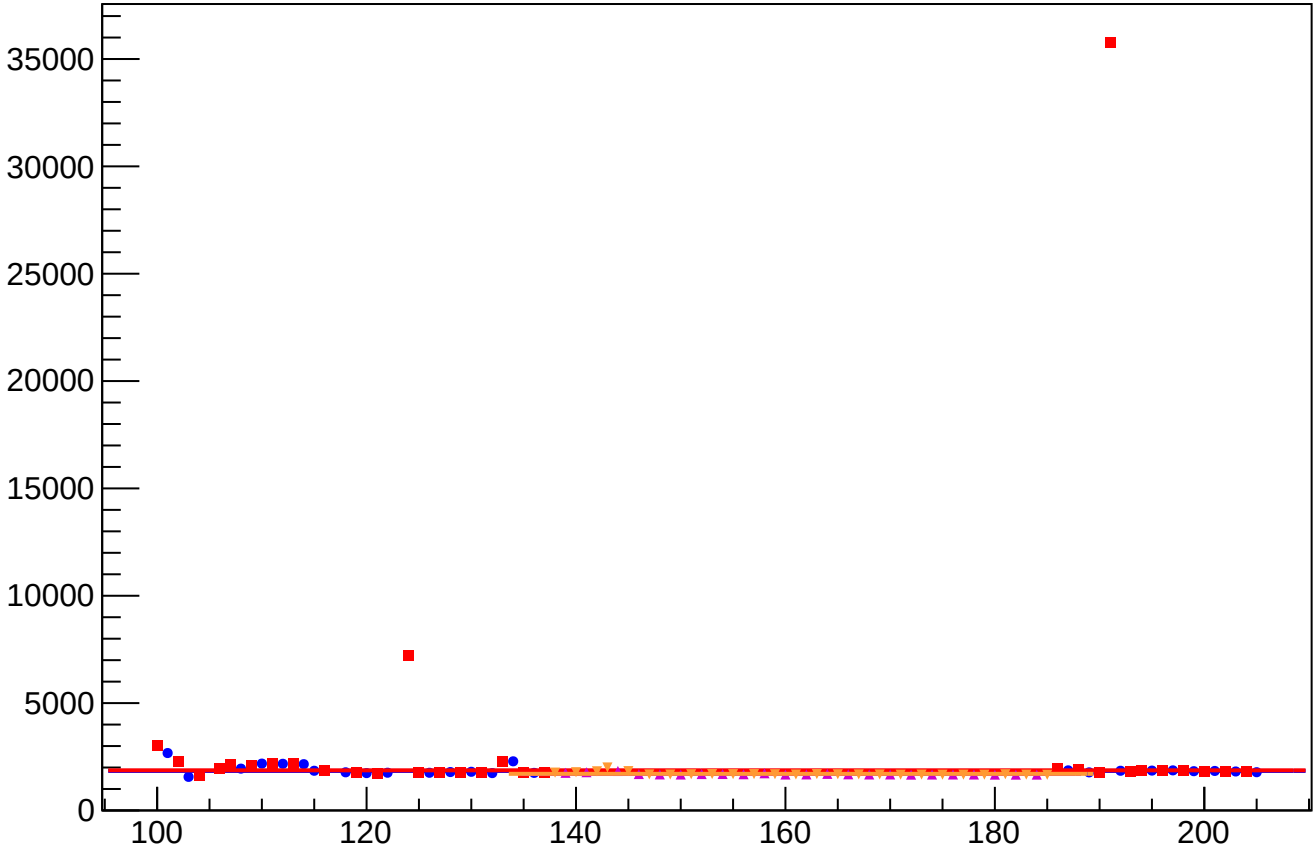
Right: -383.391+/-345.311 χ^2/NDF: 50.0/54

In: -793.231+/-308.744 χ^2/NDF:38.3/47

Out: 62.639+/-302.752 χ^2/NDF:58.1/54

All: -356.909+/-216.165 χ^2/NDF: 100.4/102

cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1840.320+/-0.348 χ^2/NDF: 264875.9/24

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1869.129+/-0.342 χ^2/NDF: 515002.5/29

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

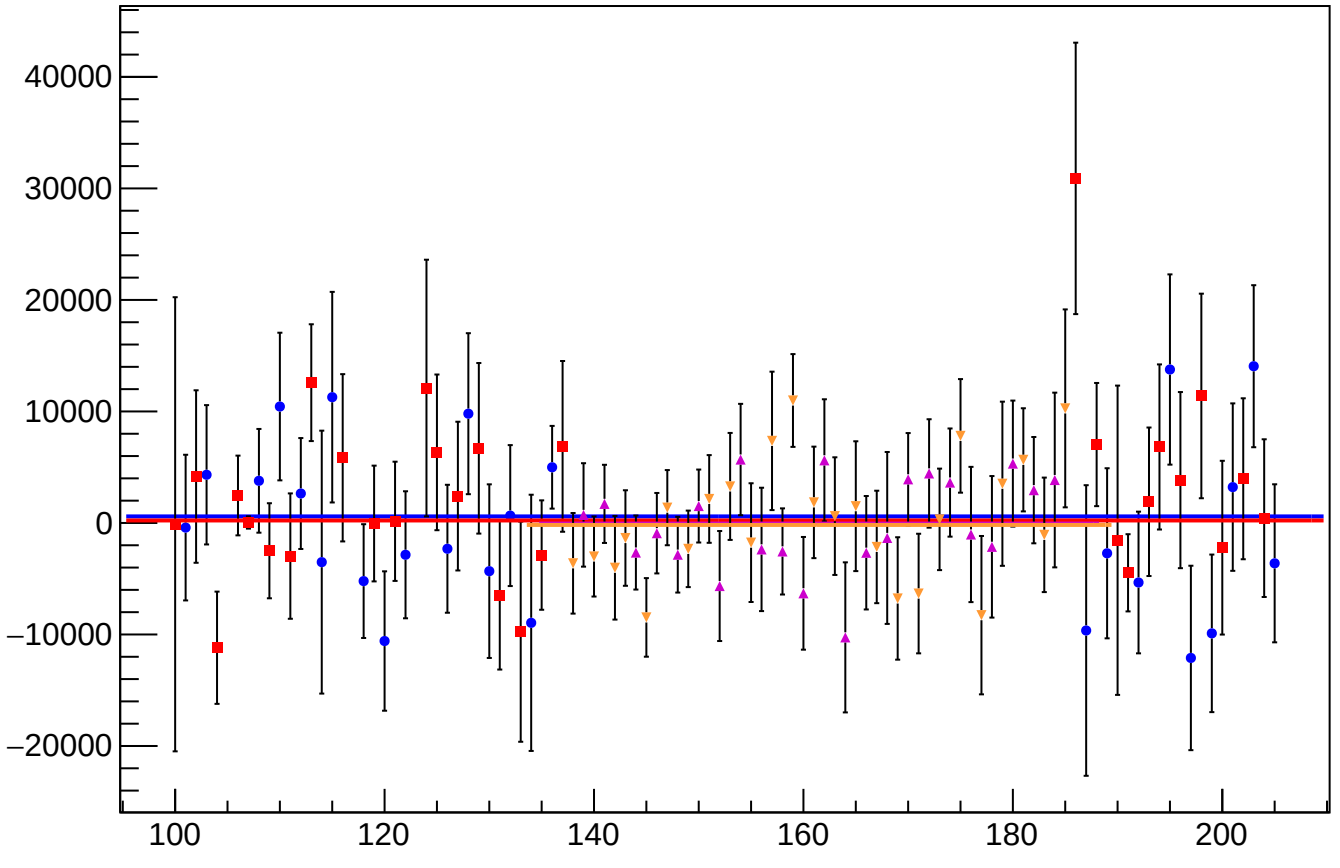
Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

Right: 1854.962+/-0.244 χ^2/NDF: 783361.1/54

In: 1753.710+/-0.218 χ^2/NDF:388140.7/47

Out: 1769.525+/-0.214 χ^2/NDF:713894.8/54

All: 1761.775+/-0.153 χ^2/NDF: 1104711.8/10



Right In: 587.424+/-1295.272 χ^2/NDF: 26.4/24

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 224.495+/-496.110 χ^2/NDF: 31.2/29

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

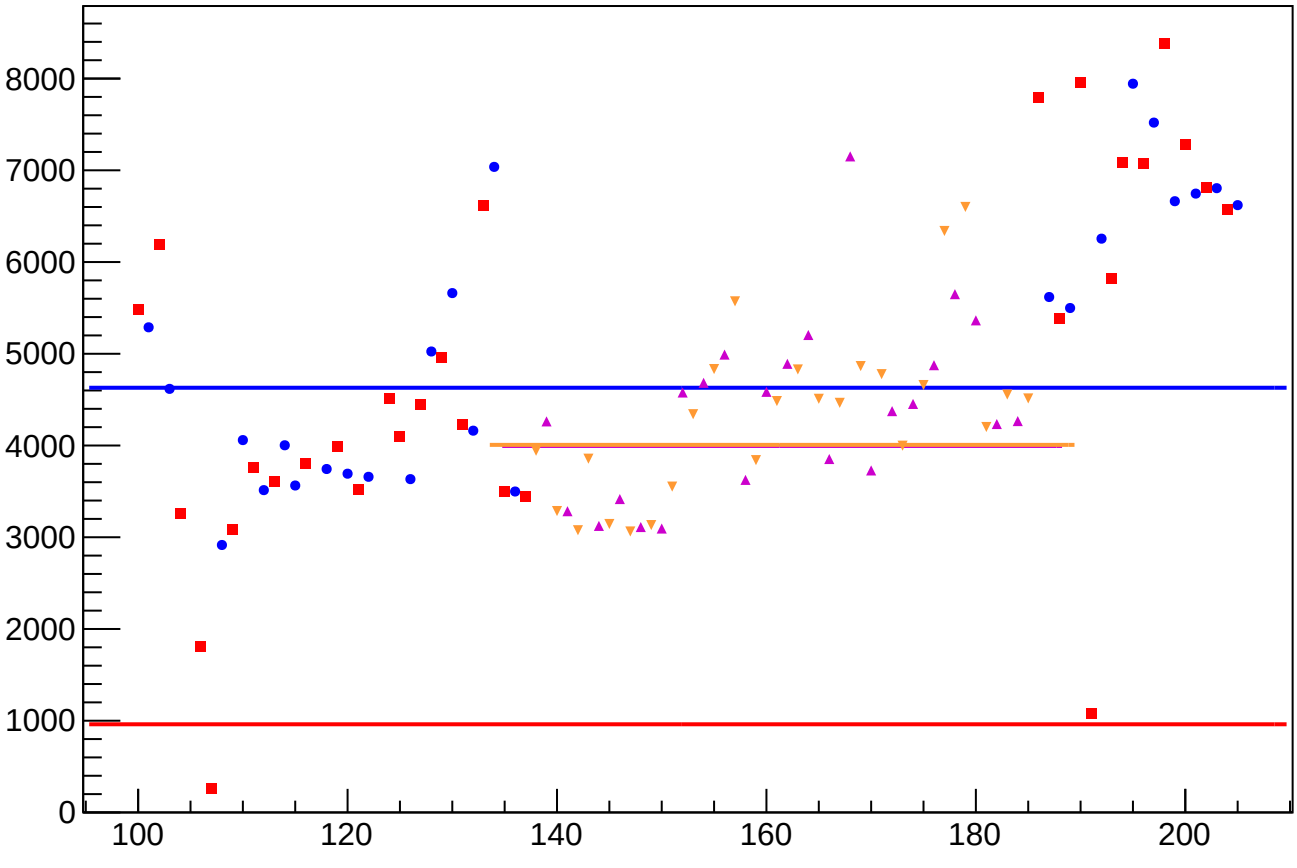
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 270.926+/-463.290 χ^2/NDF: 57.7/54

In: 170.775+/-769.385 χ^2/NDF:40.9/47

Out: 136.586+/-438.255 χ^2/NDF:59.3/54

All: 144.962+/-380.809 χ^2/NDF: 100.2/102



Right In: 4629.691+/-0.916 χ^2/NDF: 2364651.6/24

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 961.190+/-0.351 χ^2/NDF: 22504379.1/29

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

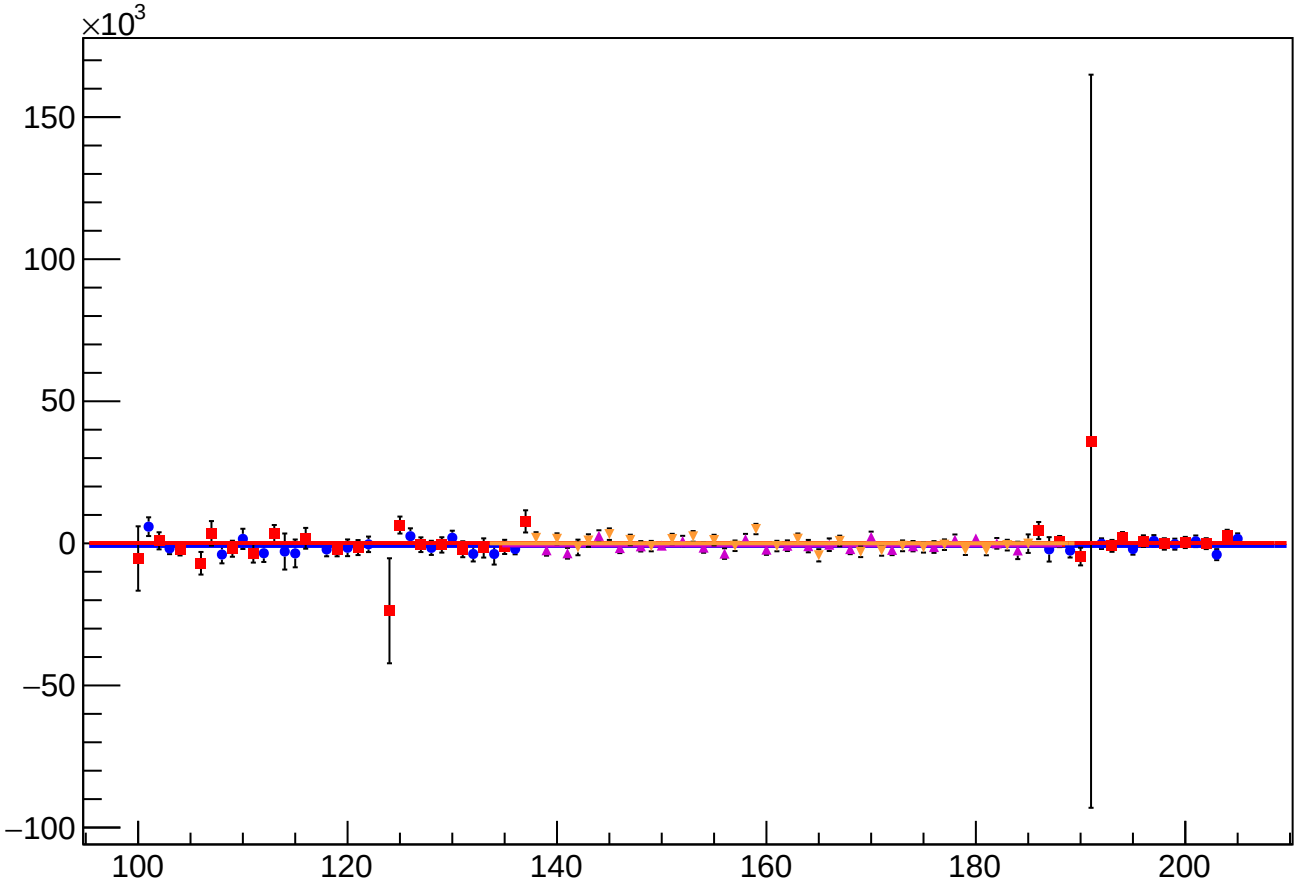
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1430.513+/-0.328 χ^2/NDF: 38859594.5/54

In: 4218.920+/-0.544 χ^2/NDF:4213555.6/47

Out: 1630.152+/-0.310 χ^2/NDF:40564937.3/54

All: 2264.342+/-0.269 χ^2/NDF: 61874278.1/1



Right In: -907.051+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 124.267+/-484.599 χ^2/NDF: 28.7/29

Left In: -719.380+/-396.449 χ^2/NDF:19.1/22

Left: -339.844+/-277.199 χ^2/NDF: 50.3/47

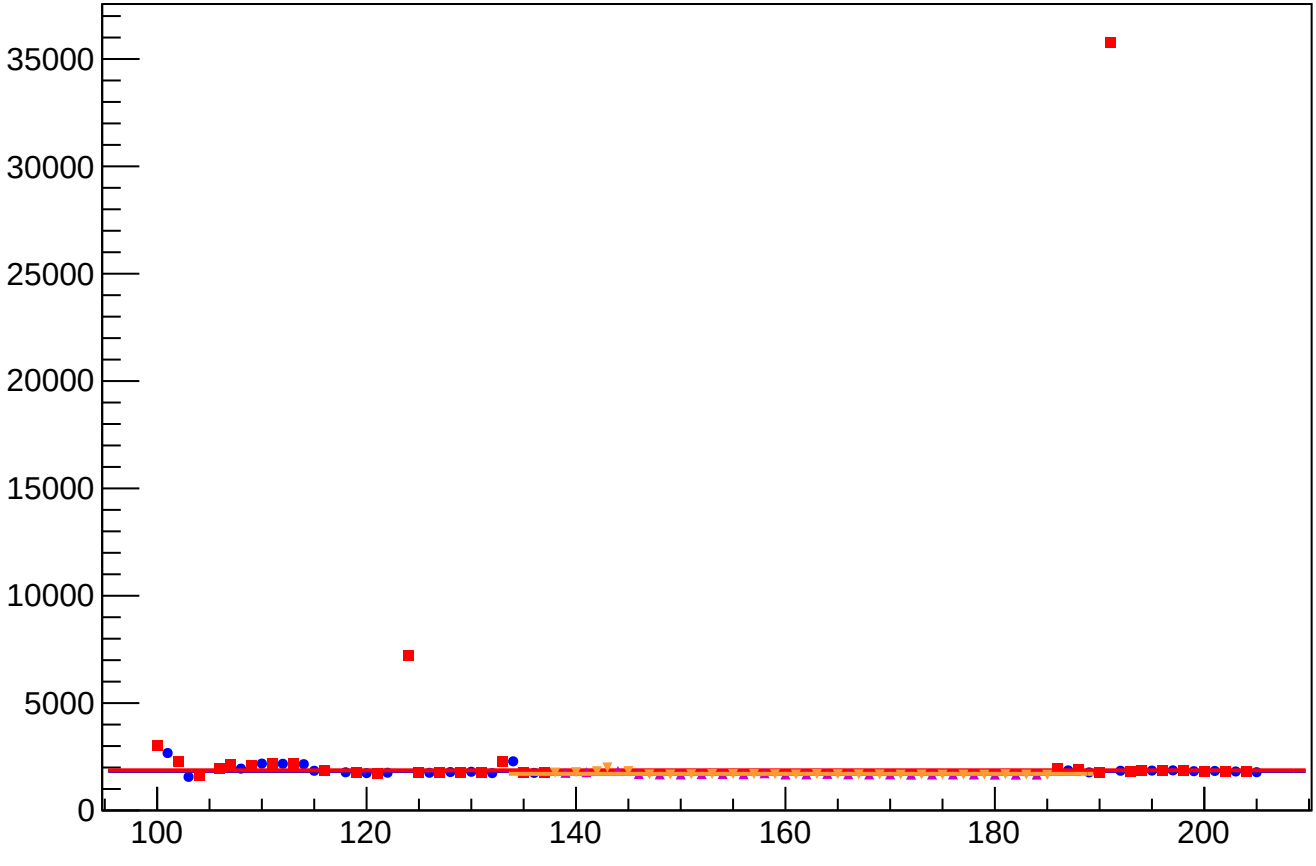
Right: -383.391+/-345.311 χ^2/NDF: 50.0/54

In: -793.231+/-308.744 χ^2/NDF:38.3/47

Out: 62.639+/-302.752 χ^2/NDF:58.1/54

All: -356.909+/-216.165 χ^2/NDF: 100.4/102

eigen_cor_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1840.320+/-0.348 χ^2/NDF: 264875.9/24

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1869.129+/-0.342 χ^2/NDF: 515002.5/29

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

Left: 1701.665+/-0.196 χ^2/NDF: 81504.4/47

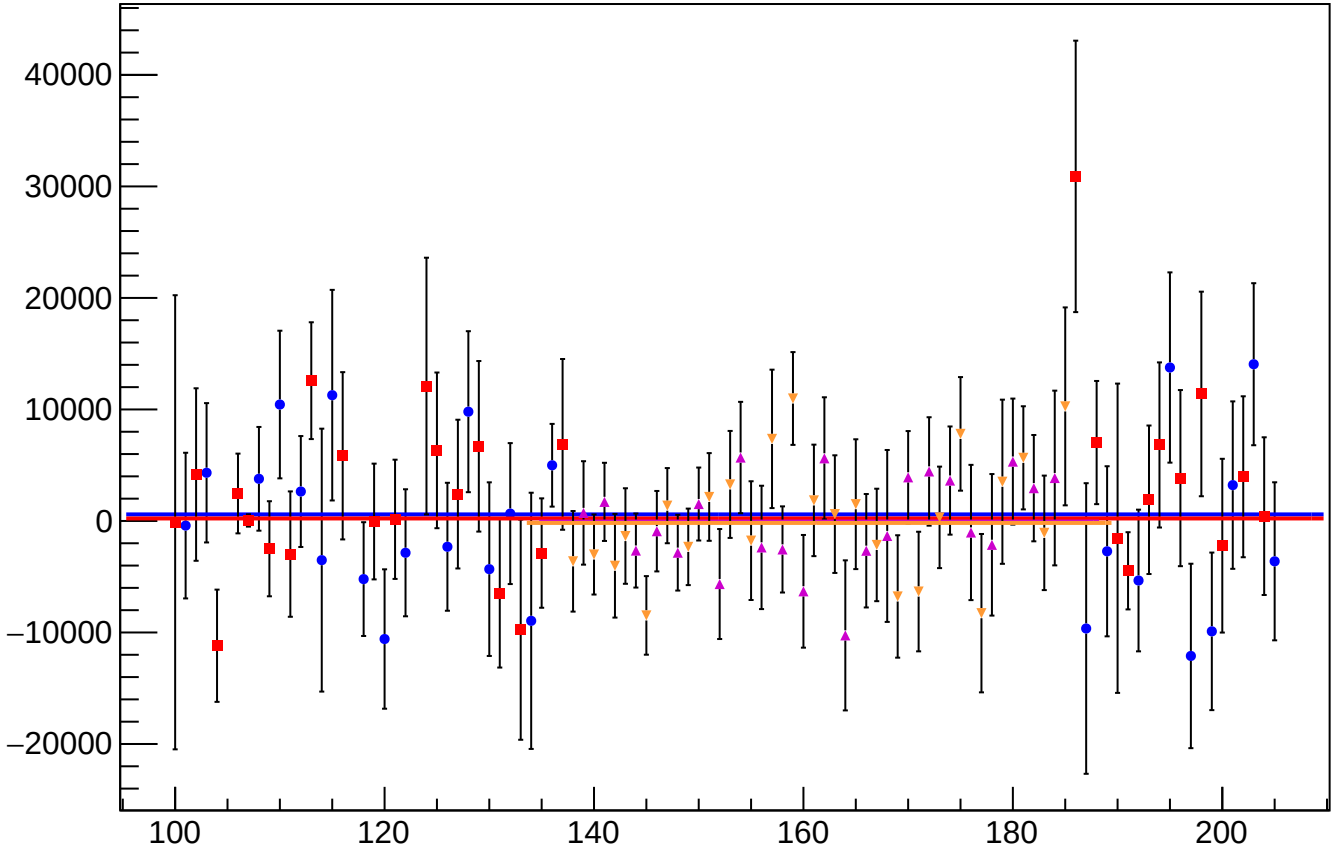
Right: 1854.962+/-0.244 χ^2/NDF: 783361.1/54

In: 1753.710+/-0.218 χ^2/NDF:388140.7/47

Out: 1769.525+/-0.214 χ^2/NDF:713894.8/54

All: 1761.775+/-0.153 χ^2/NDF: 1104711.8/10

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 587.424+/-1295.272 χ^2/NDF: 26.4/24

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: 224.495+/-496.110 χ^2/NDF: 31.2/29

Left In: -56.377+/-956.388 χ^2/NDF:14.3/22

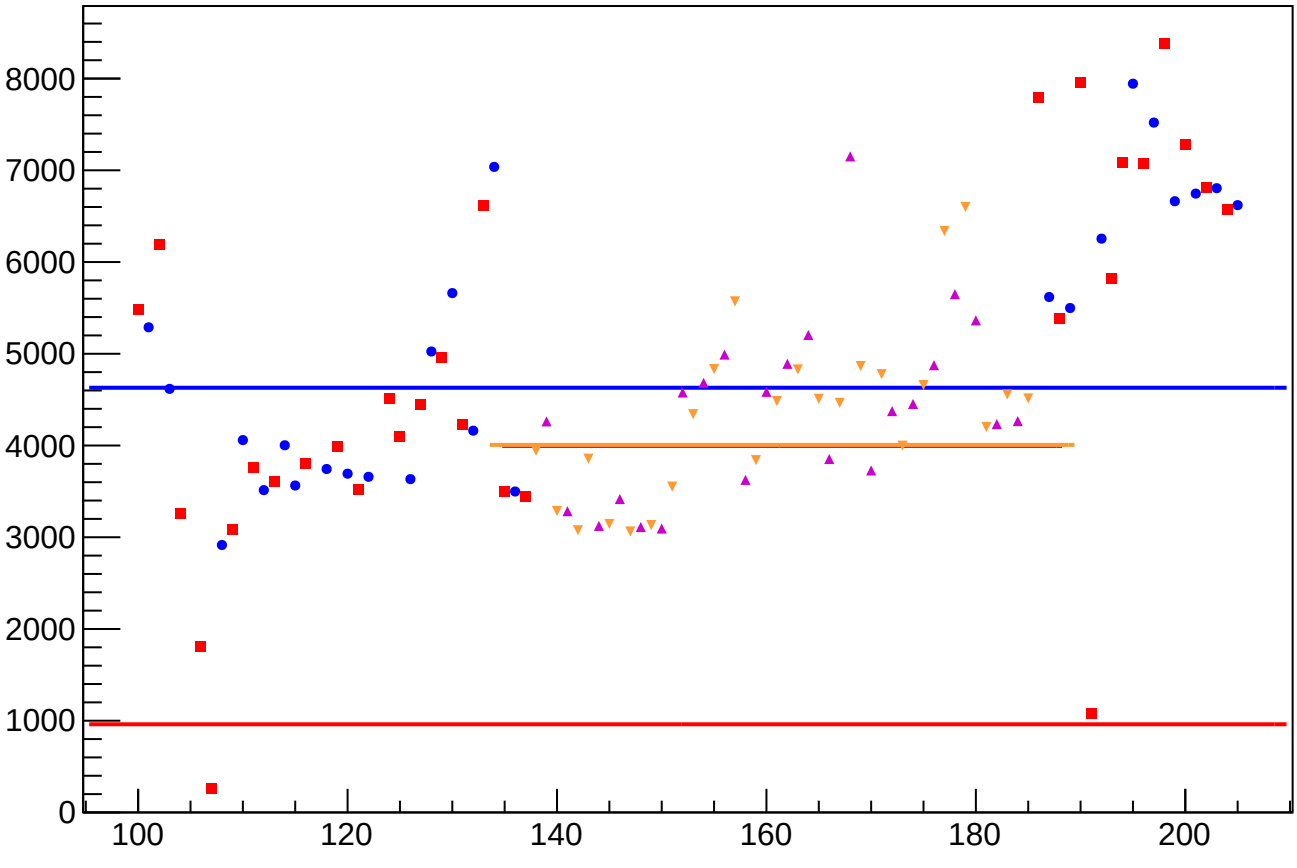
Left: -117.407+/-668.630 χ^2/NDF: 42.2/47

Right: 270.926+/-463.290 χ^2/NDF: 57.7/54

In: 170.775+/-769.385 χ^2/NDF:40.9/47

Out: 136.586+/-438.255 χ^2/NDF:59.3/54

All: 144.962+/-380.809 χ^2/NDF: 100.2/102



Right In: 4629.691+/-0.916 χ^2/NDF: 2364651.6/24

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 961.190+/-0.351 χ^2/NDF: 22504379.1/29

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

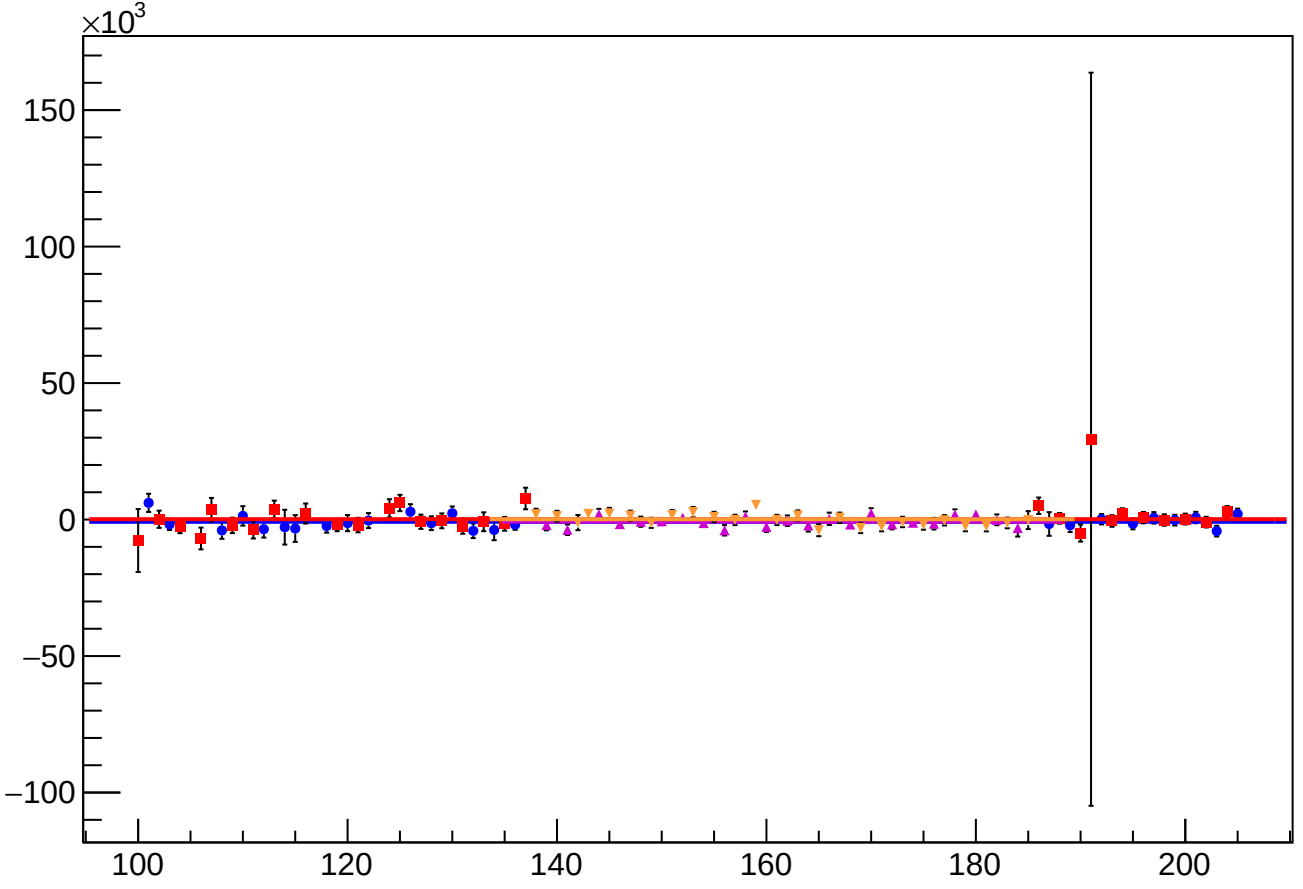
Left: 4001.116+/-0.473 χ^2/NDF: 3041958.1/47

Right: 1430.513+/-0.328 χ^2/NDF: 38859594.5/54

In: 4218.920+/-0.544 χ^2/NDF:4213555.6/47

Out: 1630.152+/-0.310 χ^2/NDF:40564937.3/54

All: 2264.342+/-0.269 χ^2/NDF: 61874278.1/



Right In: -816.254+/-497.793 χ^2/NDF: 20.5/24

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 138.386+/-486.256 χ^2/NDF: 30.4/29

Left In: -741.191+/-404.161 χ^2/NDF:19.0/22

Left: -294.668+/-280.442 χ^2/NDF: 51.1/47

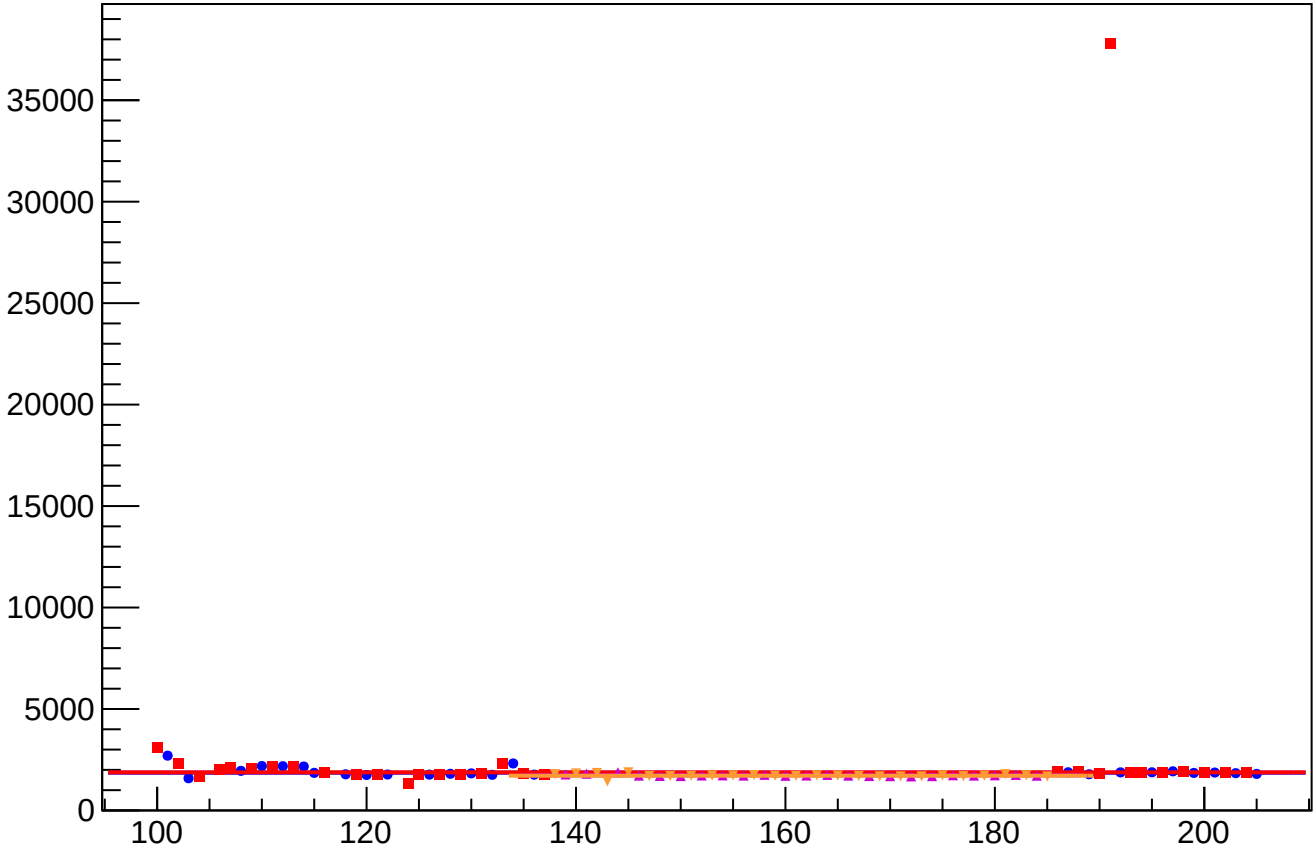
Right: -327.744+/-347.842 χ^2/NDF: 52.7/54

In: -771.013+/-313.766 χ^2/NDF:39.5/47

Out: 127.160+/-303.977 χ^2/NDF:60.1/54

All: -307.698+/-218.323 χ^2/NDF: 103.8/102

dit_asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 1861.125+/-0.352 χ^2/NDF: 263068.9/24

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1877.678+/-0.344 χ^2/NDF: 410319.1/29

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

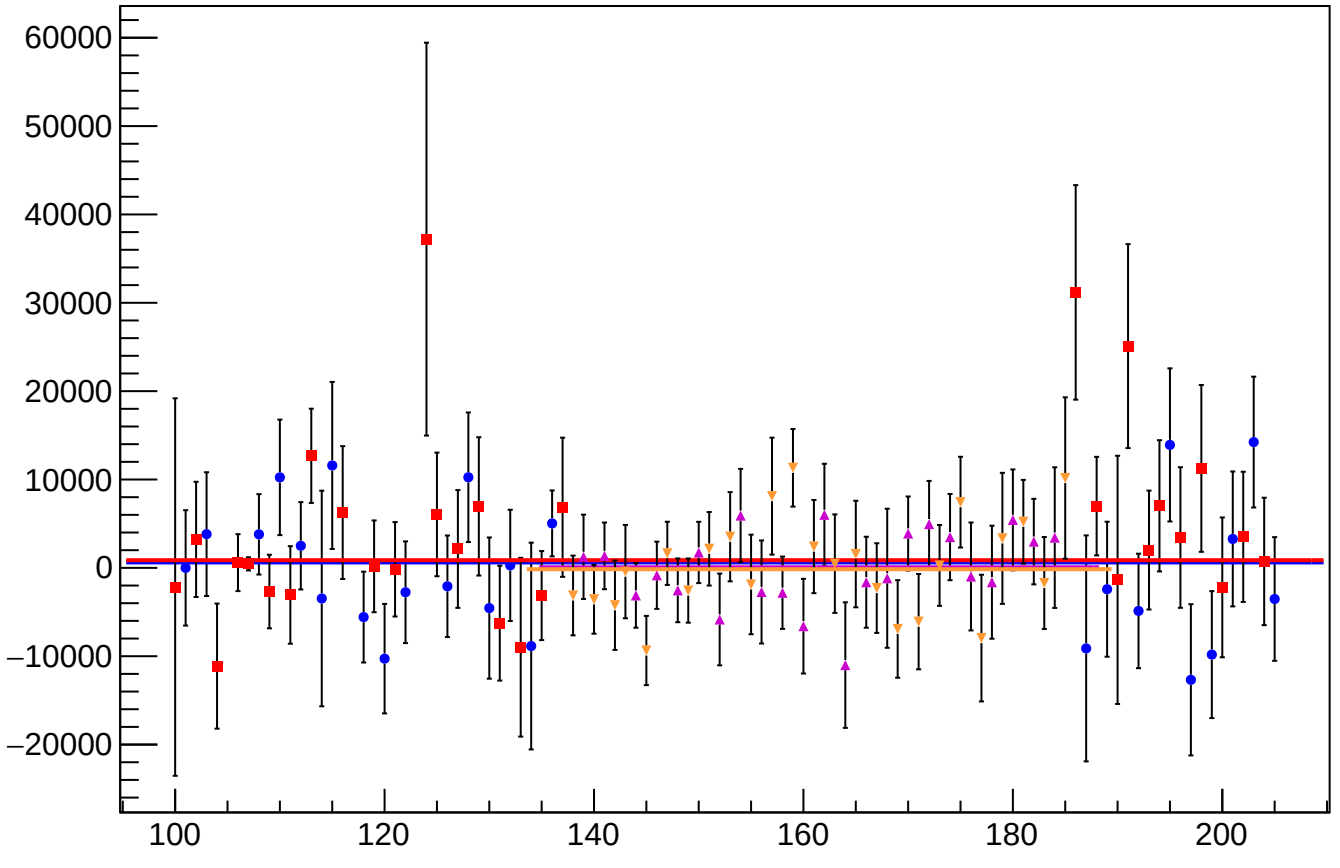
Left: 1720.992+/-0.198 χ^2/NDF: 119539.0/47

Right: 1869.598+/-0.246 χ^2/NDF: 674520.2/54

In: 1782.301+/-0.222 χ^2/NDF:369347.5/47

Out: 1776.967+/-0.215 χ^2/NDF:645704.2/54

All: 1779.549+/-0.154 χ^2/NDF: 1015350.0/10



Right In: 614.641+/-1305.756 χ^2/NDF: 26.0/24

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: 867.545+/-635.199 χ^2/NDF: 31.4/29

Left In: 65.169+/-1000.106 χ^2/NDF:14.0/22

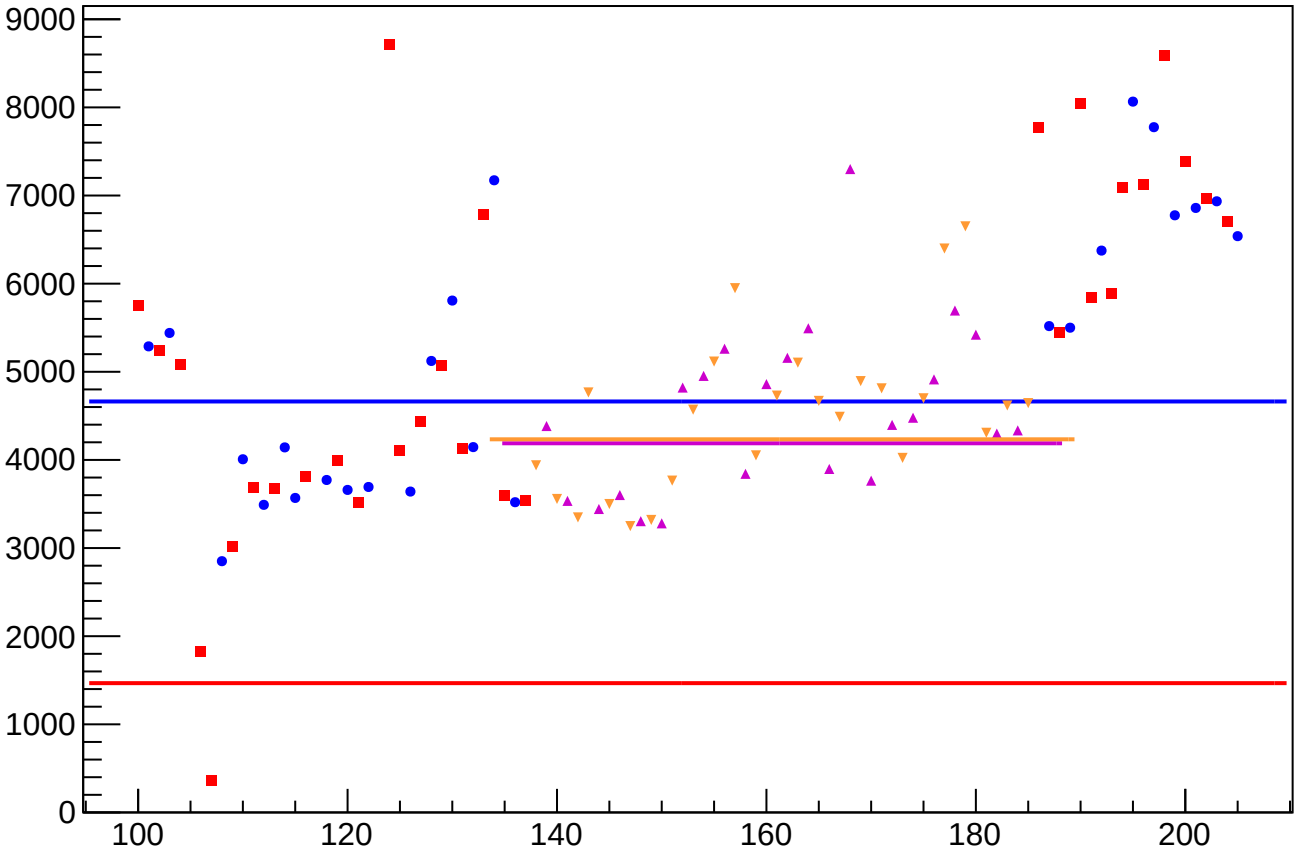
Left: -44.140+/-701.774 χ^2/NDF: 40.9/47

Right: 819.149+/-571.199 χ^2/NDF: 57.4/54

In: 268.329+/-793.976 χ^2/NDF:40.1/47

Out: 568.620+/-533.824 χ^2/NDF:59.1/54

All: 475.134+/-443.004 χ^2/NDF: 99.2/102



Right In: 4663.232+/-0.923 χ^2/NDF: 2513597.8/24

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

Right Out: 1467.232+/-0.449 χ^2/NDF: 19996251.0/29

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

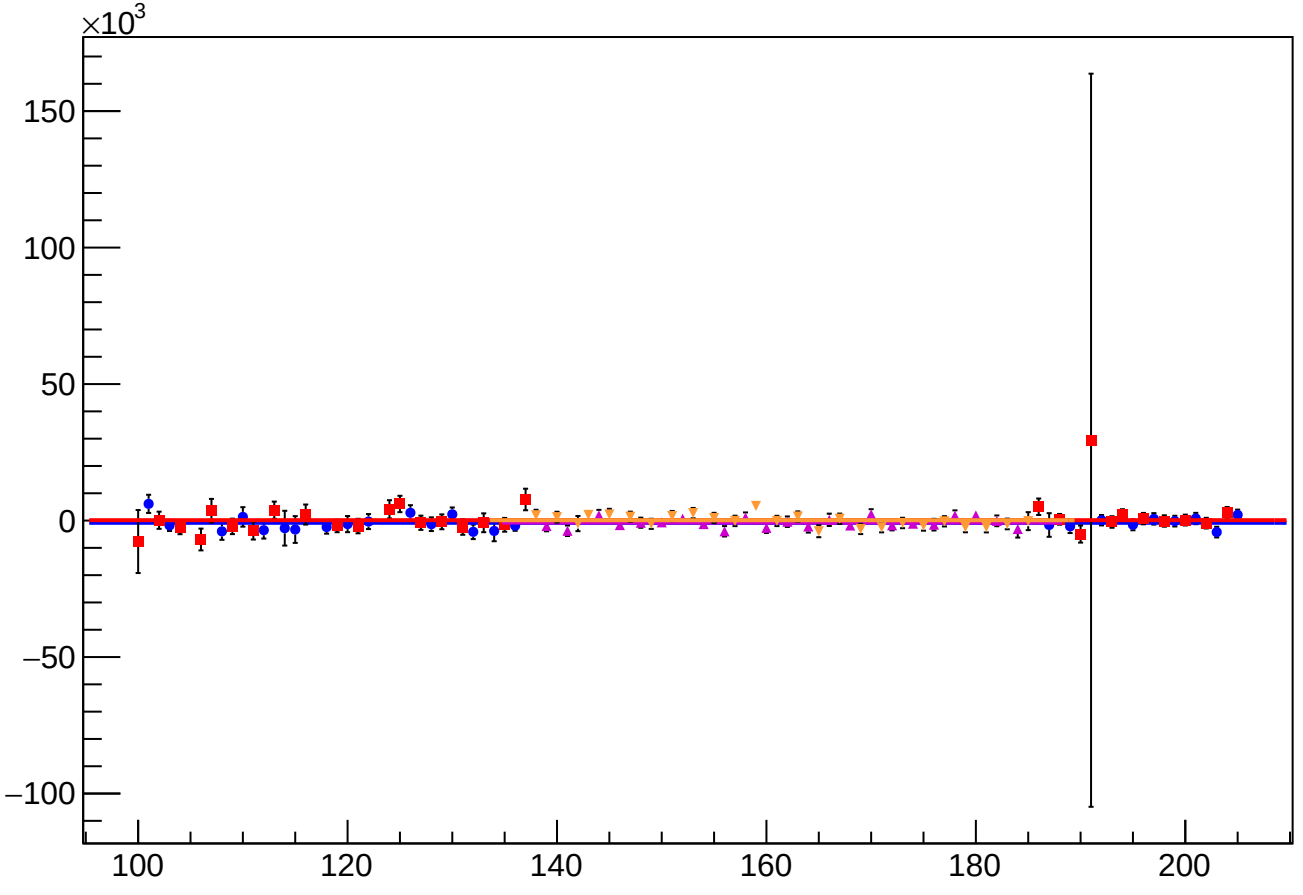
Left: 4211.733+/-0.496 χ^2/NDF: 2631443.5/47

Right: 2078.819+/-0.404 χ^2/NDF: 32198756.5/54

In: 4364.261+/-0.561 χ^2/NDF:4024557.2/47

Out: 2279.866+/-0.377 χ^2/NDF:32425586.7/54

All: 2928.770+/-0.313 χ^2/NDF: 45942965.4/1



Right In: -816.254+/-497.793 χ^2/NDF: 20.5/24

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 138.385+/-486.256 χ^2/NDF: 30.4/29

Left In: -741.189+/-404.161 χ^2/NDF:19.0/22

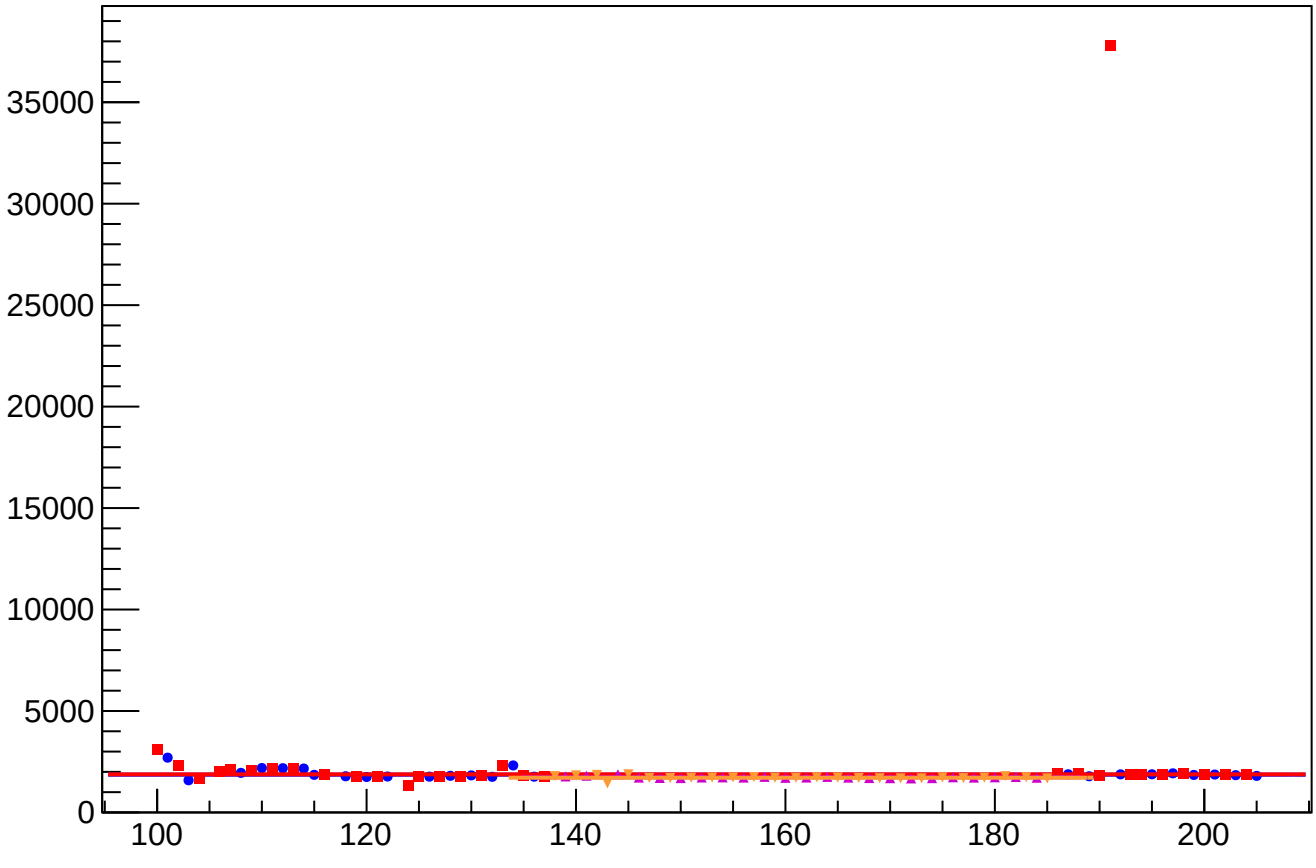
Left: -294.666+/-280.442 χ^2/NDF: 51.1/47

Right: -327.745+/-347.842 χ^2/NDF: 52.7/54

In: -771.012+/-313.766 χ^2/NDF:39.5/47

Out: 127.161+/-303.977 χ^2/NDF:60.1/54

All: -307.697+/-218.323 χ^2/NDF: 103.8/102



Right In: 1861.125+/-0.352 χ^2/NDF: 263068.9/24

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1877.678+/-0.344 χ^2/NDF: 410319.5/29

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

Left: 1720.992+/-0.198 χ^2/NDF: 119538.1/47

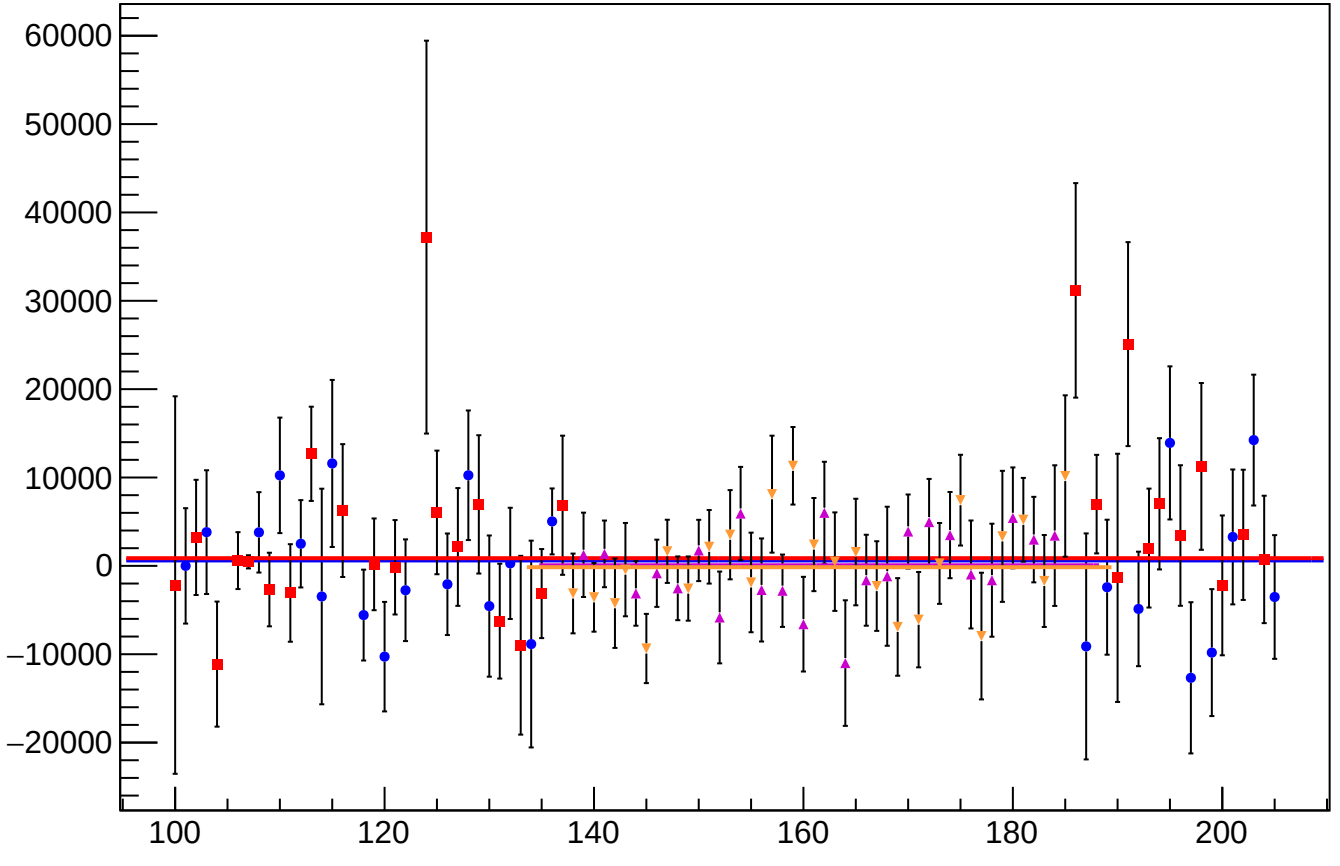
Right: 1869.599+/-0.246 χ^2/NDF: 674520.5/54

In: 1782.302+/-0.222 χ^2/NDF:369346.6/47

Out: 1776.967+/-0.215 χ^2/NDF:645702.8/54

All: 1779.549+/-0.154 χ^2/NDF: 1015347.7/10

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 614.628+/-1305.755 χ^2/NDF: 26.0/24

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: 867.563+/-635.209 χ^2/NDF: 31.4/29

Left In: 65.171+/-1000.108 χ^2/NDF:14.0/22

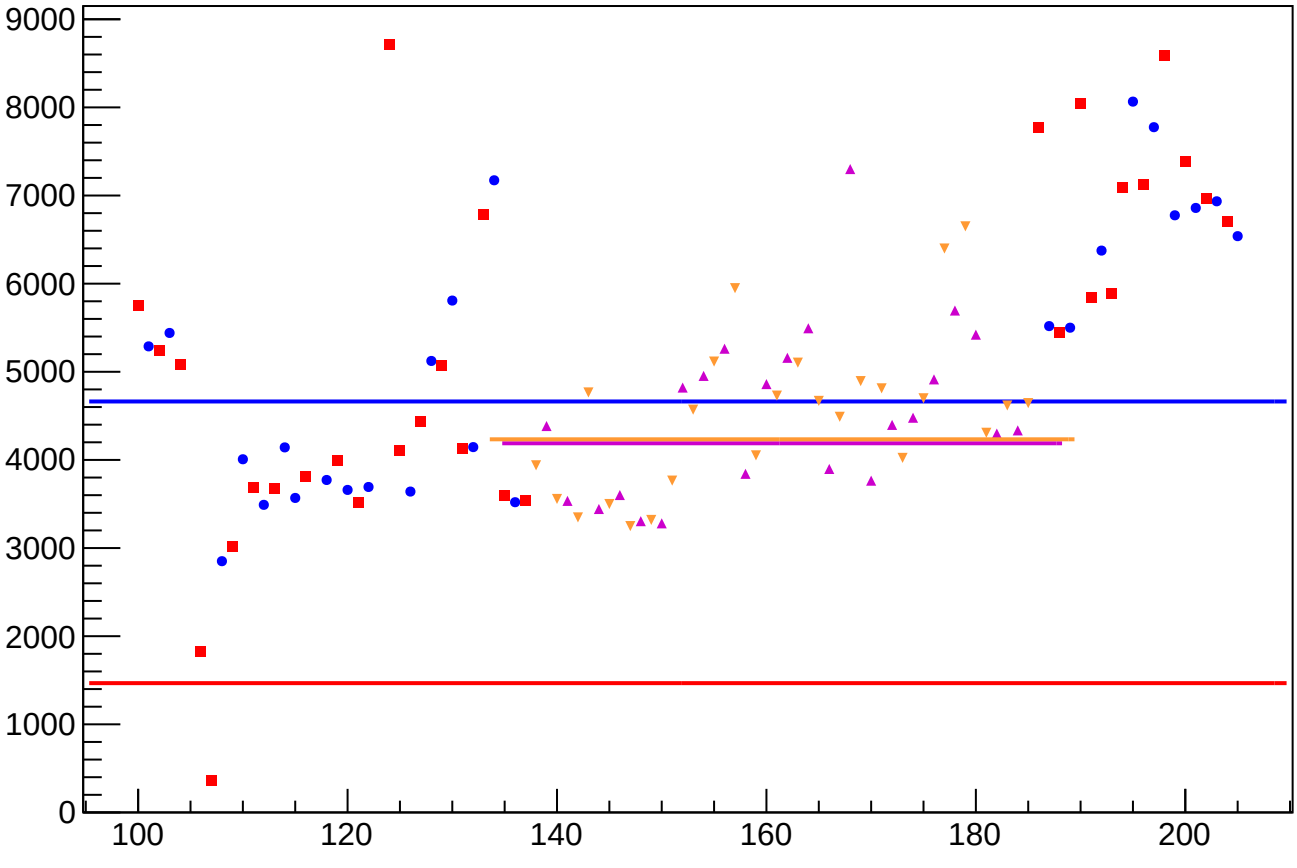
Left: -44.139+/-701.775 χ^2/NDF: 40.9/47

Right: 819.160+/-571.206 χ^2/NDF: 57.4/54

In: 268.325+/-793.977 χ^2/NDF:40.1/47

Out: 568.626+/-533.830 χ^2/NDF:59.1/54

All: 475.137+/-443.008 χ^2/NDF: 99.2/102



Right In: 4663.227+/-0.923 χ^2/NDF: 2513613.9/24

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1467.272+/-0.449 χ^2/NDF: 19995993.3/29

Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

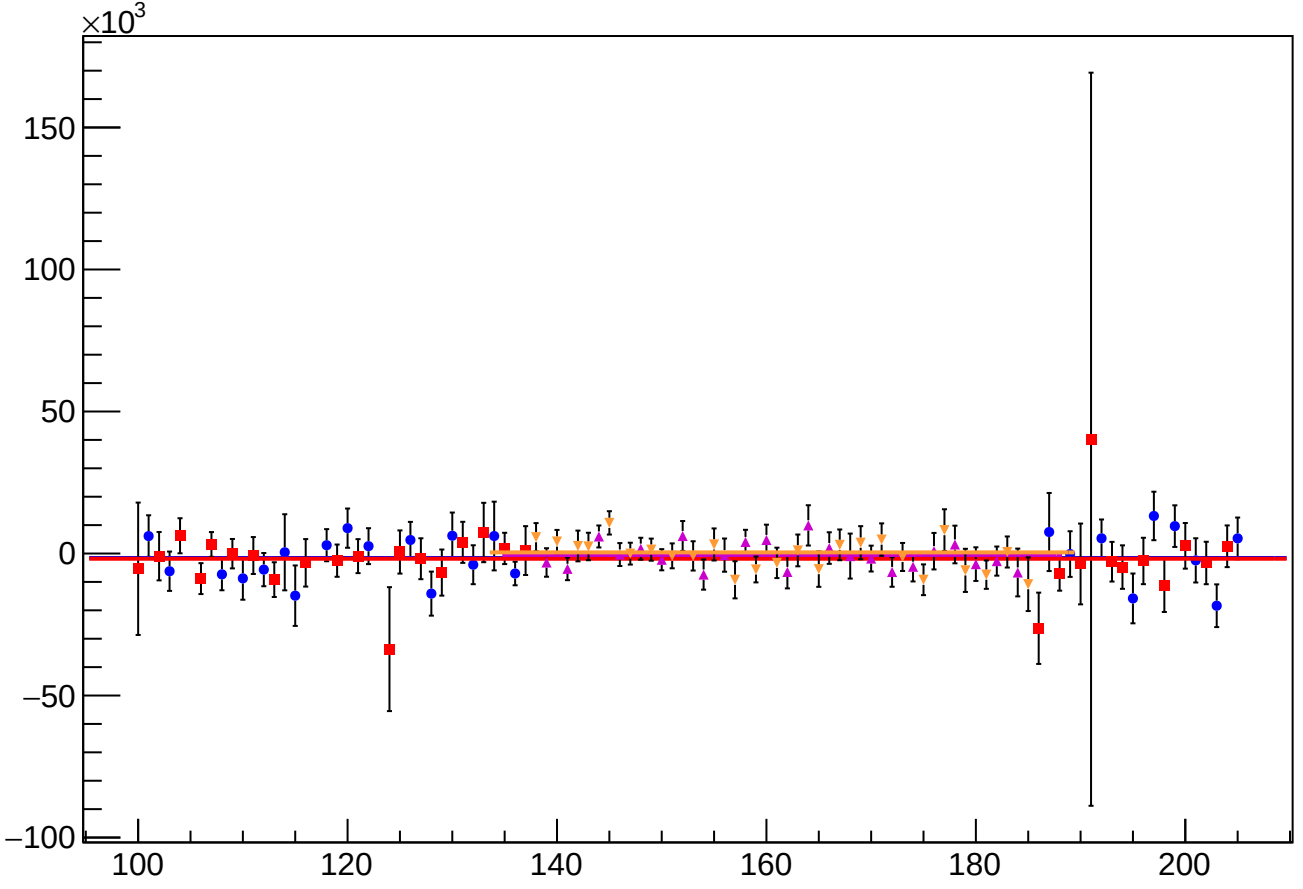
Left: 4211.738+/-0.496 χ^2/NDF: 2631450.8/47

Right: 2078.866+/-0.404 χ^2/NDF: 32198194.8/54

In: 4364.263+/-0.561 χ^2/NDF:4024570.2/47

Out: 2279.912+/-0.377 χ^2/NDF:32424931.2/54

All: 2928.812+/-0.313 χ^2/NDF: 45941848.9/1



Right In: -1580.885+/-1422.841 χ^2/NDF: 31.2/24

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: -1836.413+/-1319.964 χ^2/NDF: 17.6/29

Left In: -502.999+/-1049.682 χ^2/NDF:17.3/22

Left: -43.115+/-734.609 χ^2/NDF: 42.4/47

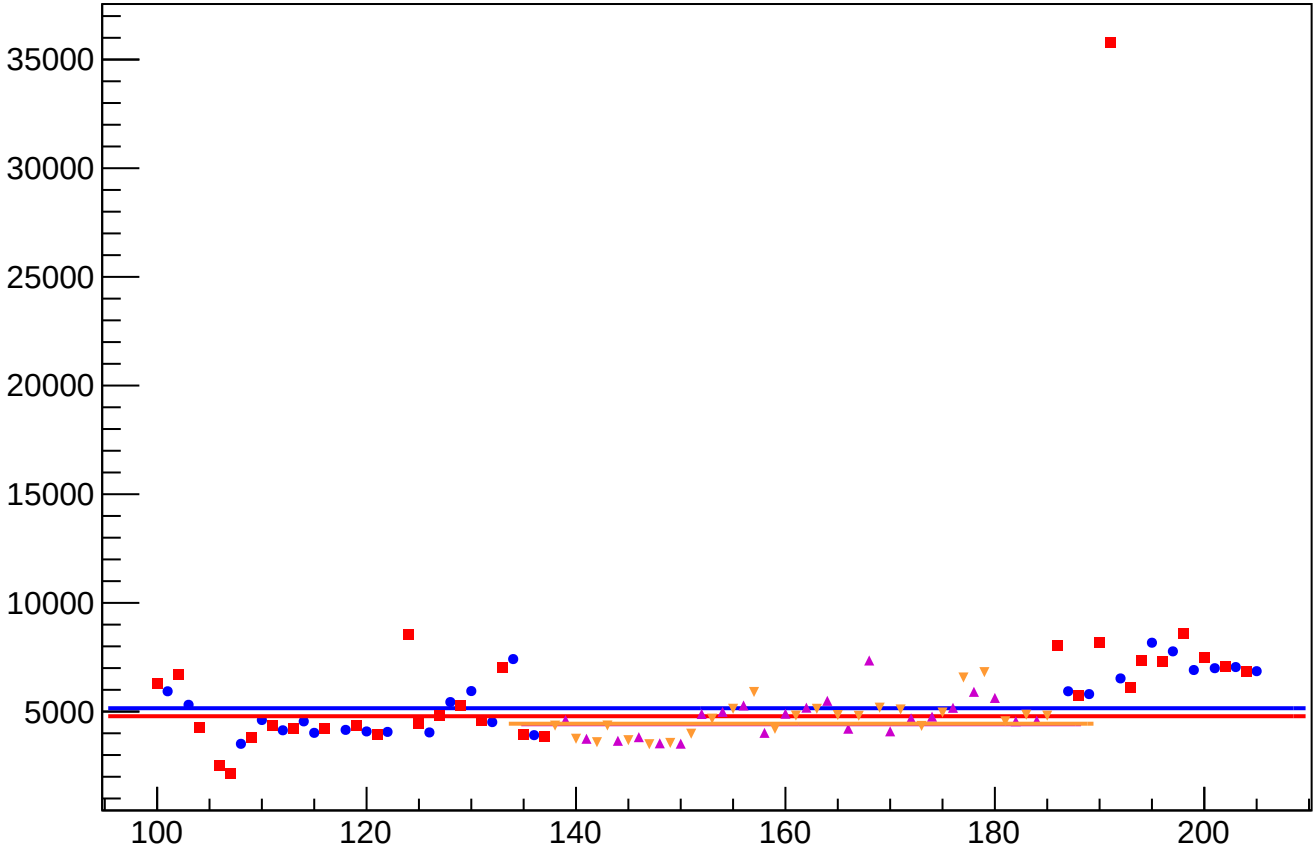
Right: -1718.220+/-967.683 χ^2/NDF: 48.8/54

In: -882.887+/-844.692 χ^2/NDF:48.9/47

Out: -445.825+/-811.260 χ^2/NDF:44.1/54

All: -655.536+/-585.110 χ^2/NDF: 93.2/102

asym_atl1r2_dd_rms vs Slug, Sign Corrected



Right In: 5153.656+/-1.006 χ^2/NDF: 1800902.9/24

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 4785.068+/-0.927 χ^2/NDF: 3494431.6/29

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

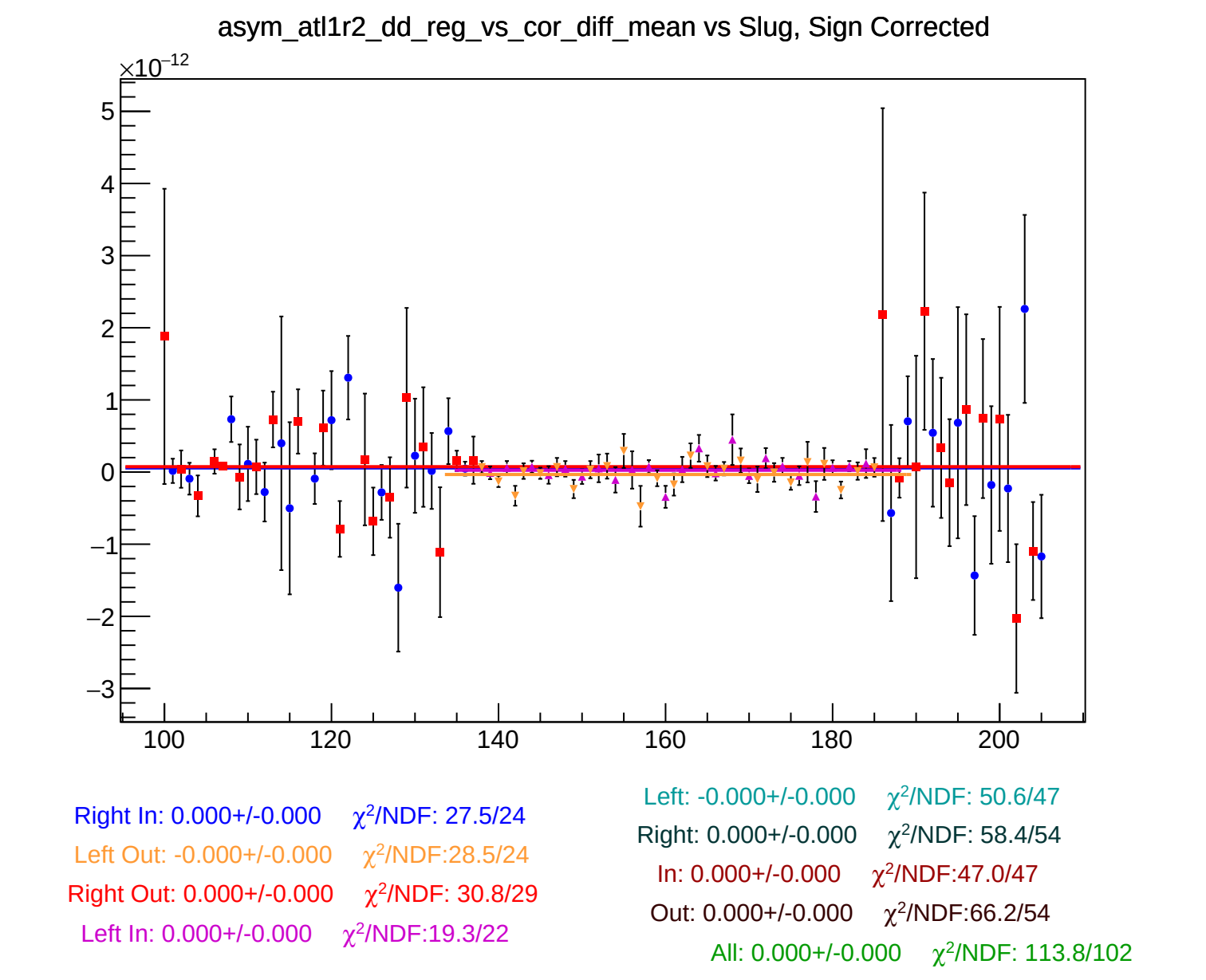
Left: 4428.348+/-0.519 χ^2/NDF: 2185129.8/47

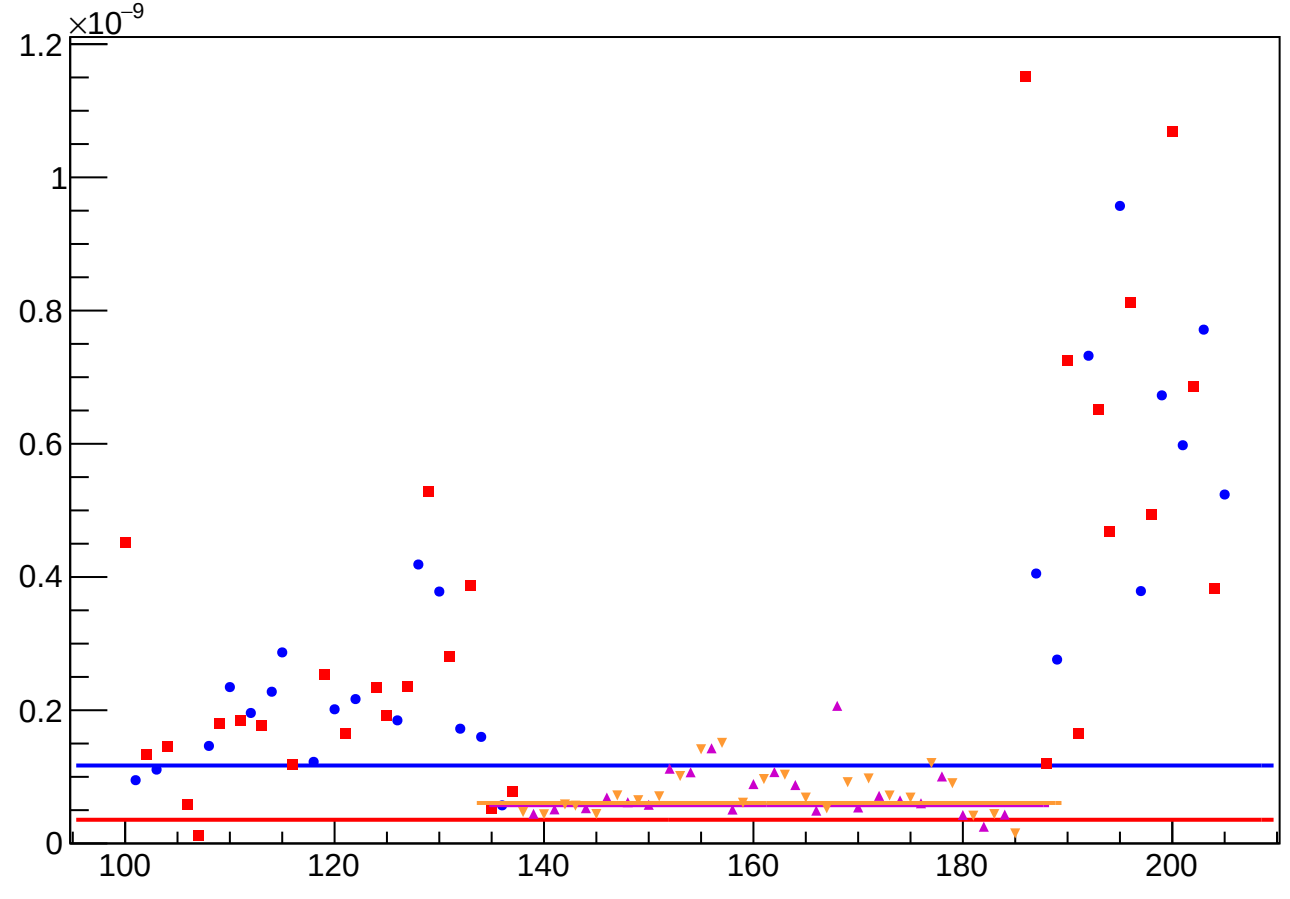
Right: 4954.223+/-0.682 χ^2/NDF: 5367954.1/54

In: 4675.568+/-0.597 χ^2/NDF:3261013.8/47

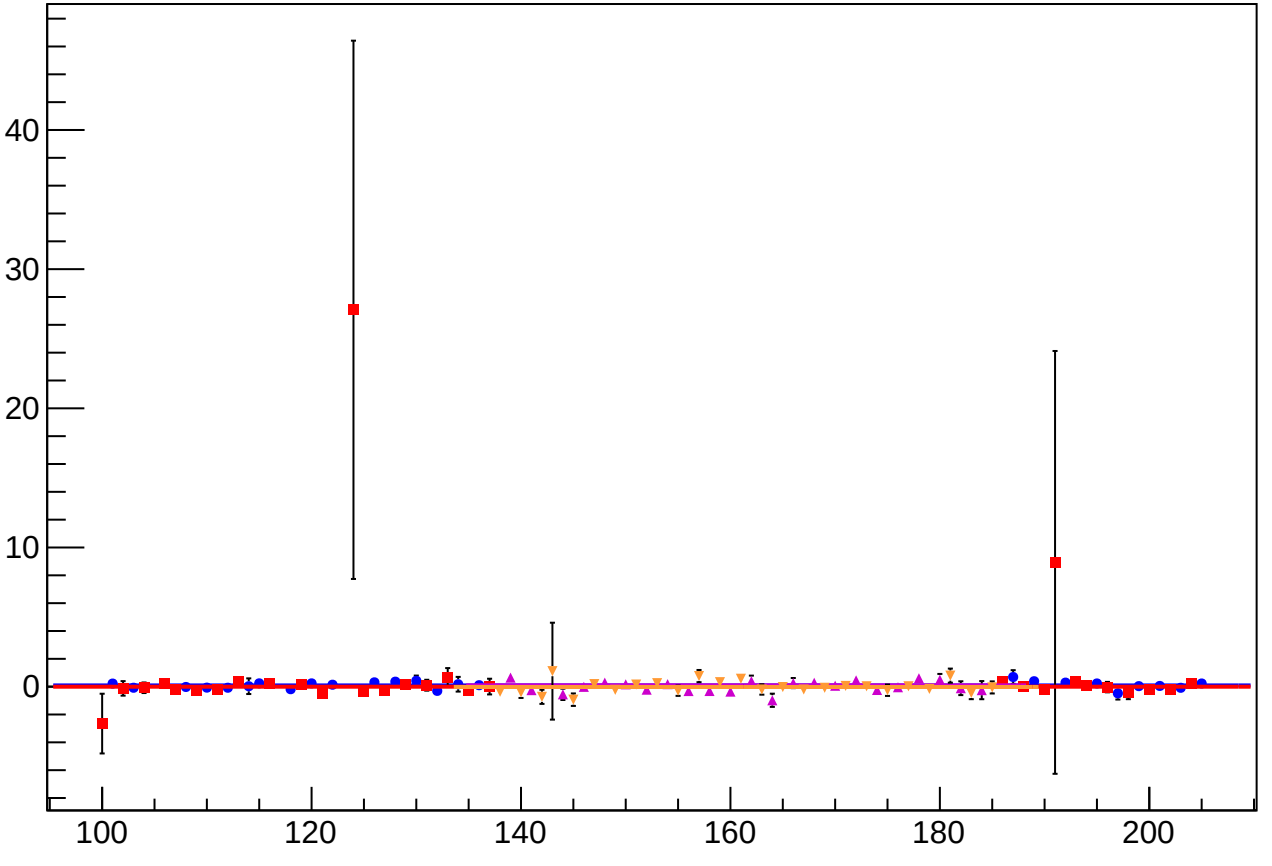
Out: 4572.031+/-0.572 χ^2/NDF:4652972.3/54

All: 4621.567+/-0.413 χ^2/NDF: 7929658.2/10


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 30.8/29
Left In: 0.000+/-0.000 χ²/NDF:19.3/22
Left: -0.000+/-0.000 χ²/NDF: 50.6/47
Right: 0.000+/-0.000 χ²/NDF: 58.4/54
In: 0.000+/-0.000 χ²/NDF:47.0/47
Out: 0.000+/-0.000 χ²/NDF:66.2/54
All: 0.000+/-0.000 χ²/NDF: 113.8/102


asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5328888.7/24
Left Out: 0.000+/-0.000 χ²/NDF:1723737.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 9863620.4/29
Left In: 0.000+/-0.000 χ²/NDF:1878360.3/22
Left: 0.000+/-0.000 χ²/NDF: 3620409.0/47
Right: 0.000+/-0.000 χ²/NDF: 17598020.0/54
In: 0.000+/-0.000 χ²/NDF:8617006.4/47
Out: 0.000+/-0.000 χ²/NDF:12338969.0/54
All: 0.000+/-0.000 χ²/NDF: 21316028.8/102

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

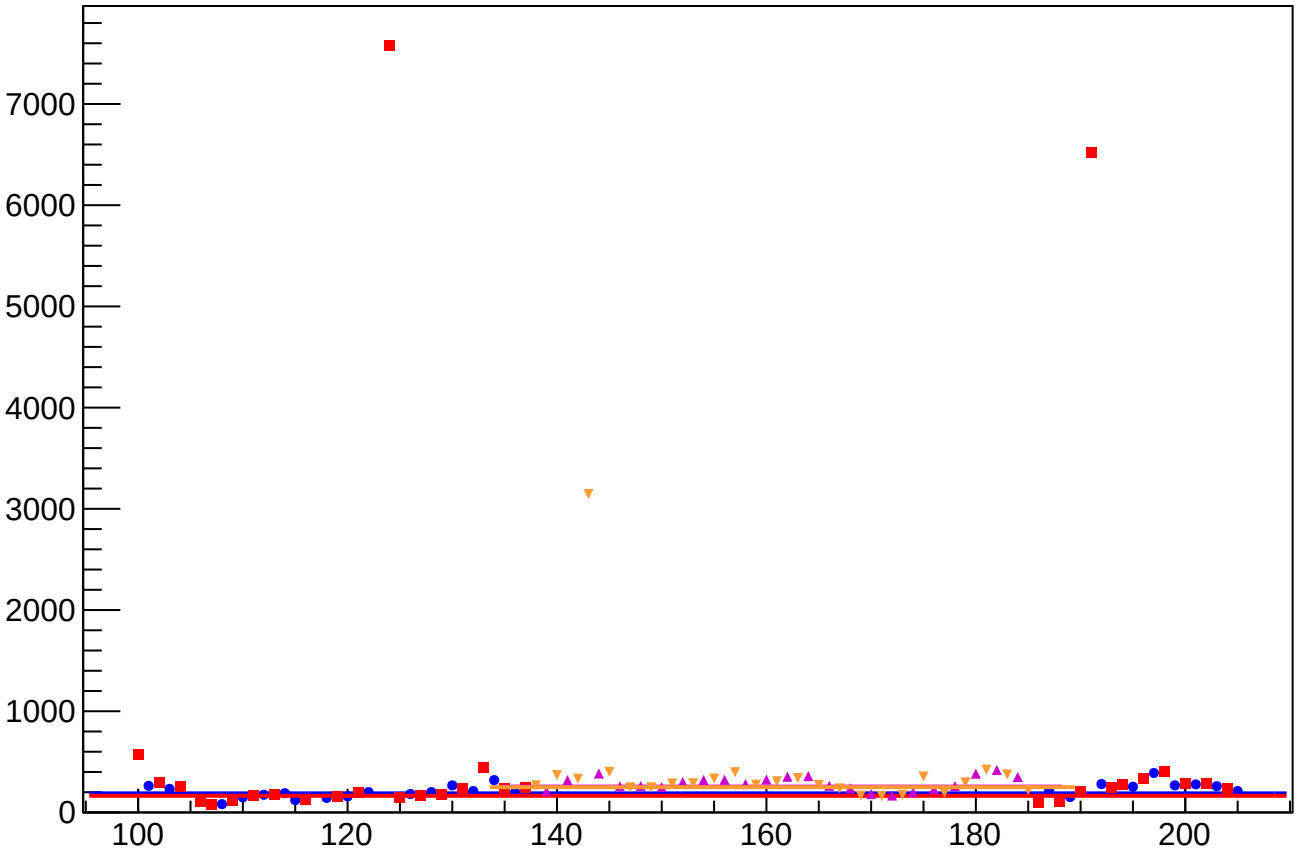
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.038+/-0.036 χ^2/NDF: 44.9/54

In: 0.092+/-0.041 χ^2/NDF:46.1/47

Out: -0.011+/-0.038 χ^2/NDF:52.4/54

All: 0.037+/-0.028 χ^2/NDF: 101.8/102



Right In: 188.622+/-0.039 χ^2/NDF: 2955779.8/24

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 164.657+/-0.034 χ^2/NDF: 5272282.4/29

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

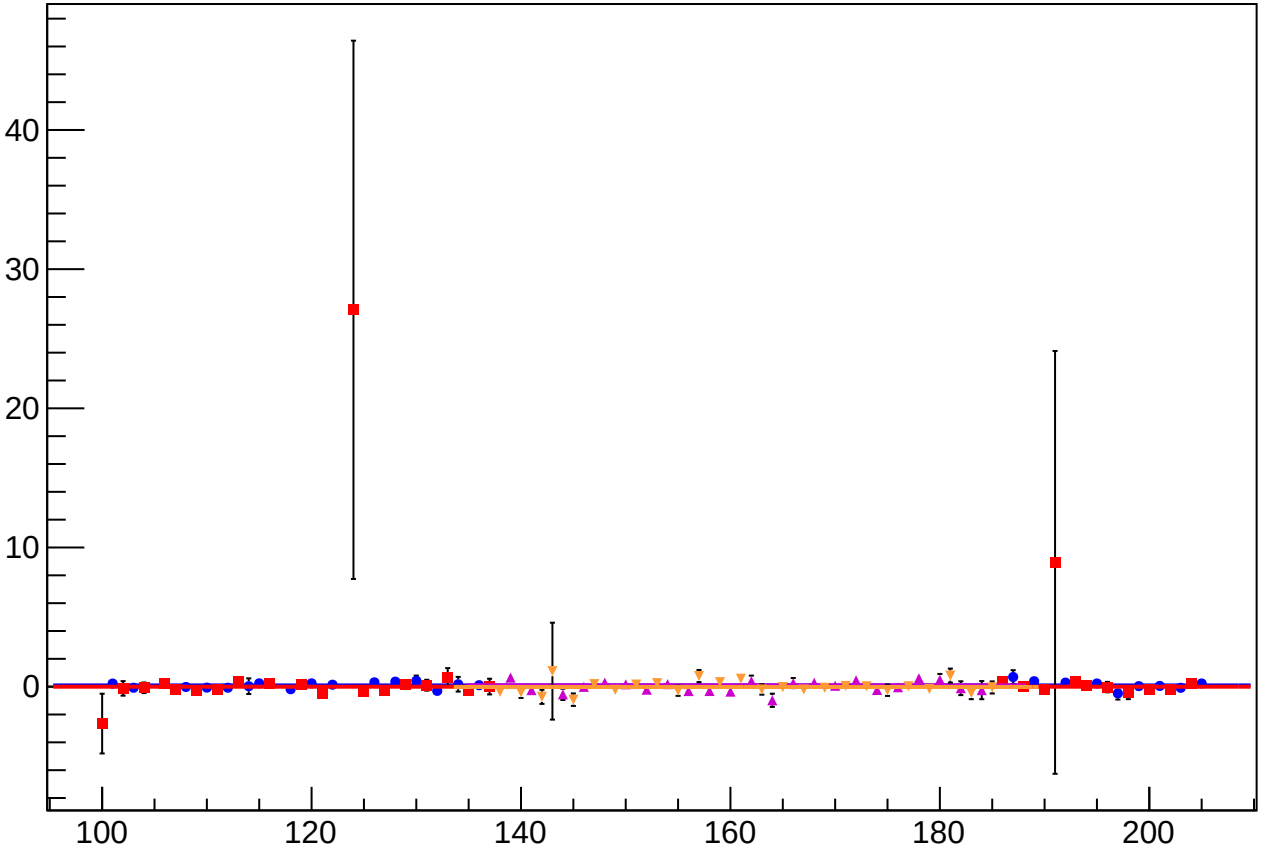
Right: 175.209+/-0.026 χ^2/NDF: 8443181.3/54

In: 217.263+/-0.029 χ^2/NDF:6345276.7/47

Out: 197.236+/-0.027 χ^2/NDF:11867716.7/54

All: 206.447+/-0.020 χ^2/NDF: 18467071.3/10

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

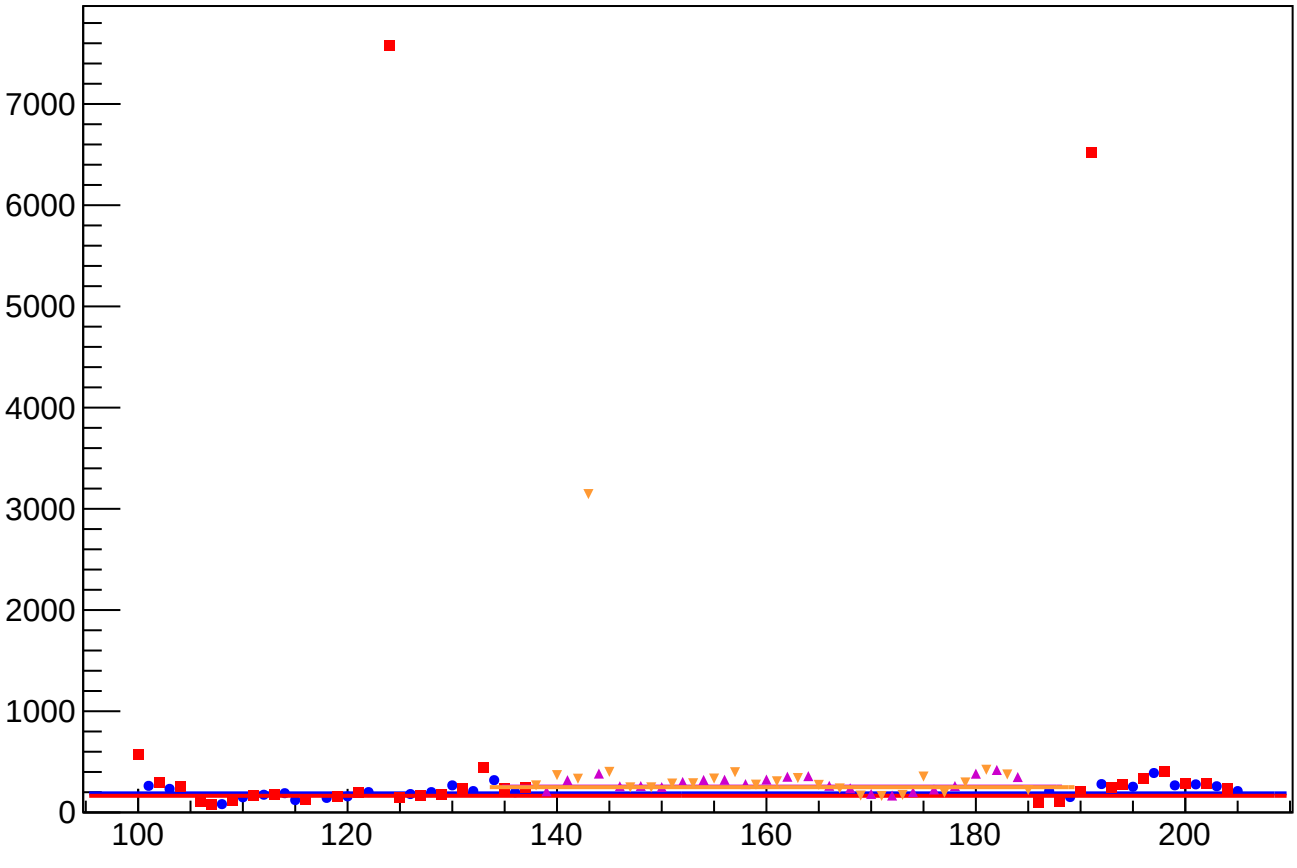
Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

Right: 0.038+/-0.036 χ^2/NDF: 44.9/54

In: 0.092+/-0.041 χ^2/NDF:46.1/47

Out: -0.011+/-0.038 χ^2/NDF:52.4/54

All: 0.037+/-0.028 χ^2/NDF: 101.8/102



Right In: 188.622+/-0.039 χ^2/NDF: 2955779.8/24

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 164.657+/-0.034 χ^2/NDF: 5272282.4/29

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

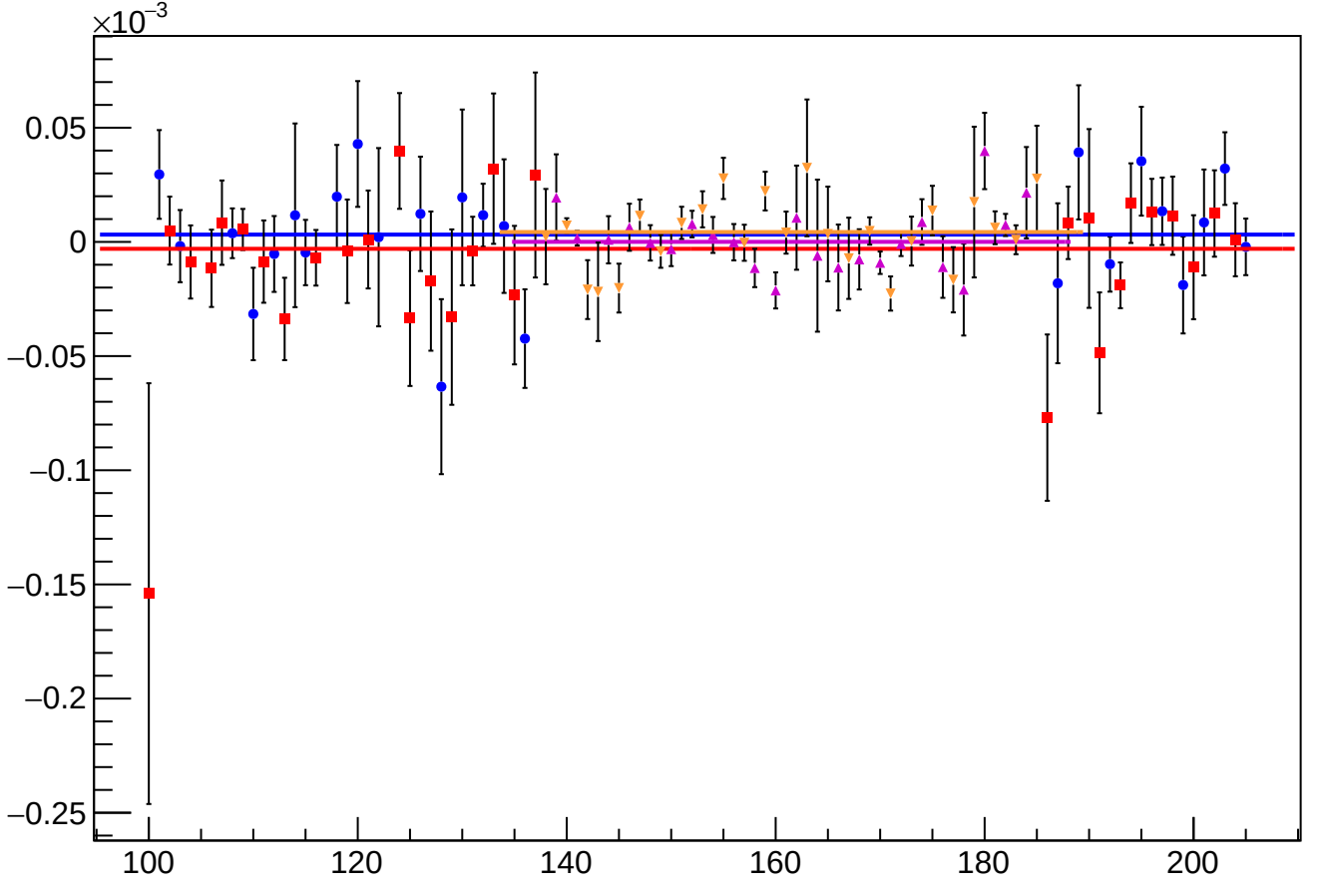
Left: 252.513+/-0.031 χ^2/NDF: 6353711.9/47

Right: 175.209+/-0.026 χ^2/NDF: 8443181.3/54

In: 217.263+/-0.029 χ^2/NDF:6345276.7/47

Out: 197.236+/-0.027 χ^2/NDF:11867716.7/54

All: 206.447+/-0.020 χ^2/NDF: 18467071.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/29

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

Left: 0.000+/-0.000 χ^2/NDF: 78.6/47

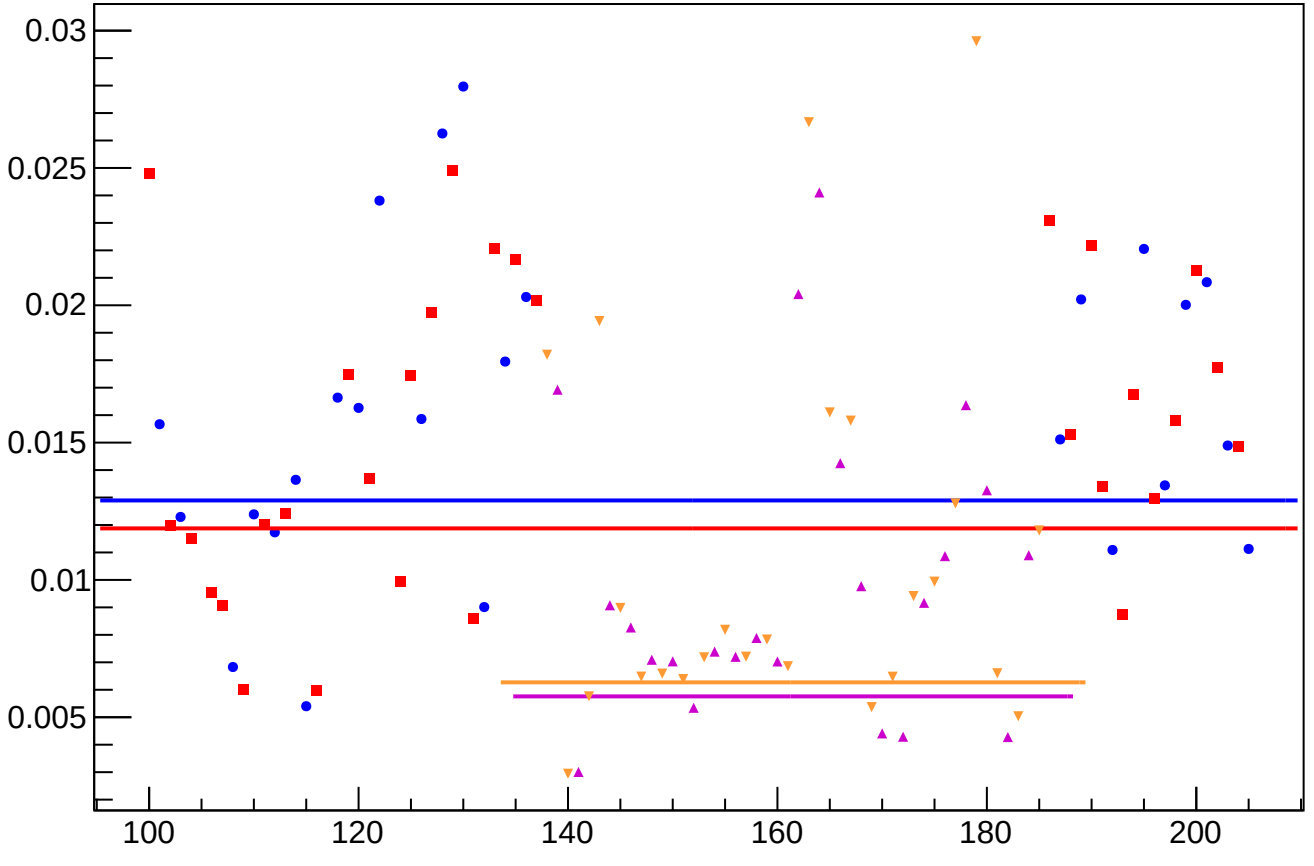
Right: -0.000+/-0.000 χ^2/NDF: 56.8/54

In: 0.000+/-0.000 χ^2/NDF:55.9/47

Out: 0.000+/-0.000 χ^2/NDF:79.0/54

All: 0.000+/-0.000 χ^2/NDF: 136.2/102

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 3505401.9/24

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4085844.7/29

Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

Left: 0.006+/-0.000 χ^2/NDF: 15091688.1/47

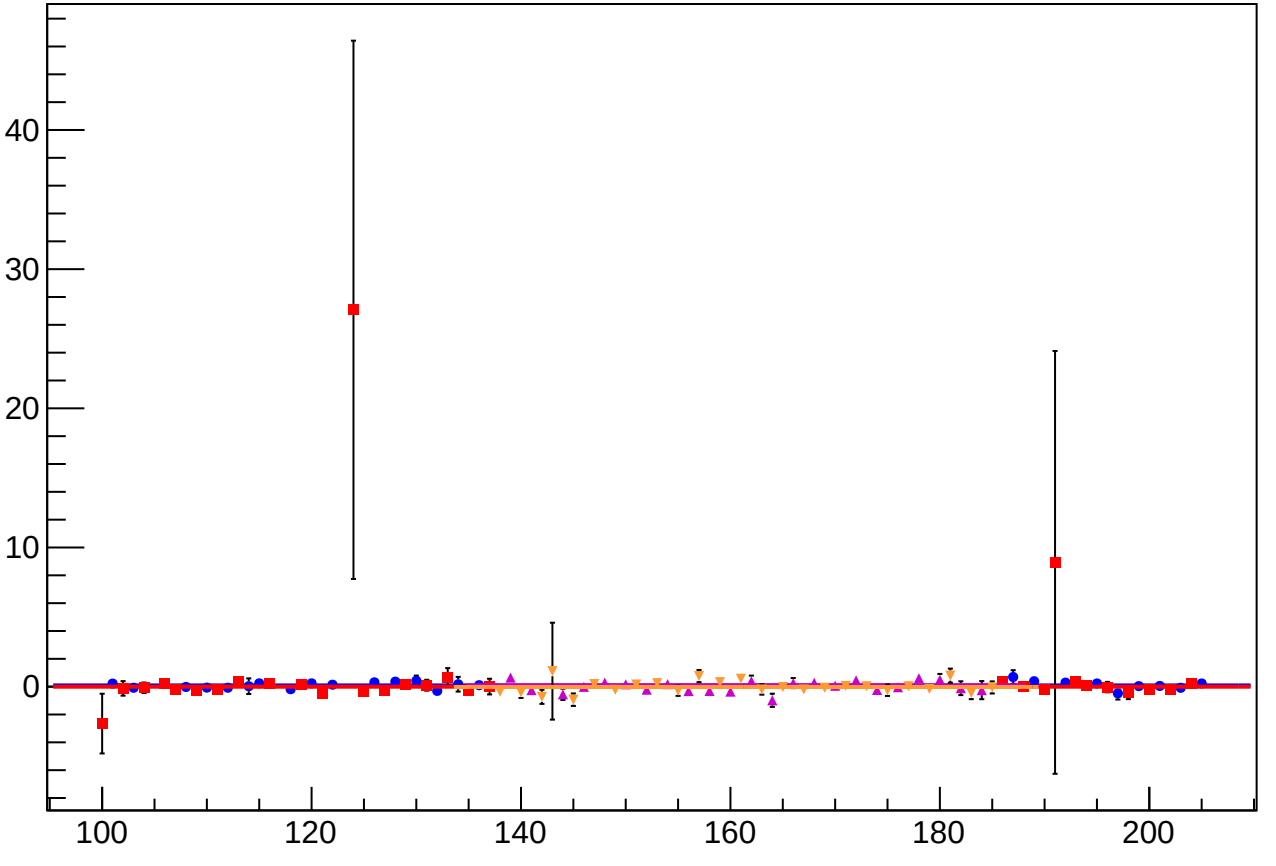
Right: 0.012+/-0.000 χ^2/NDF: 7675073.8/54

In: 0.007+/-0.000 χ^2/NDF:16791067.8/47

Out: 0.007+/-0.000 χ^2/NDF:16640323.1/54

All: 0.007+/-0.000 χ^2/NDF: 33574020.2/102

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

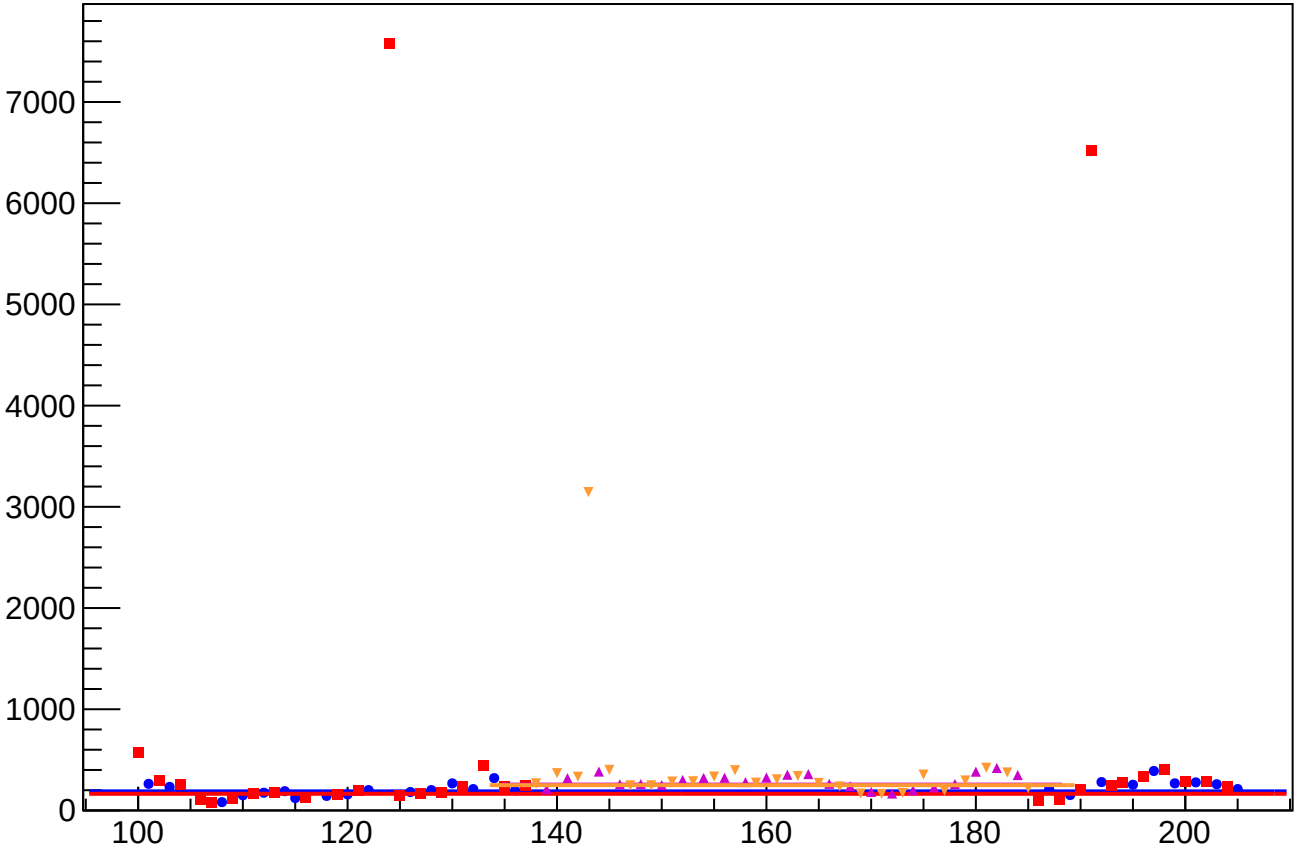
Right: 0.038+/-0.036 χ^2/NDF: 44.9/54

In: 0.092+/-0.041 χ^2/NDF:46.1/47

Out: -0.011+/-0.038 χ^2/NDF:52.4/54

All: 0.037+/-0.028 χ^2/NDF: 101.8/102

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.621+/-0.039 χ^2/NDF: 2955857.5/24

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 164.659+/-0.034 χ^2/NDF: 5272162.6/29

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

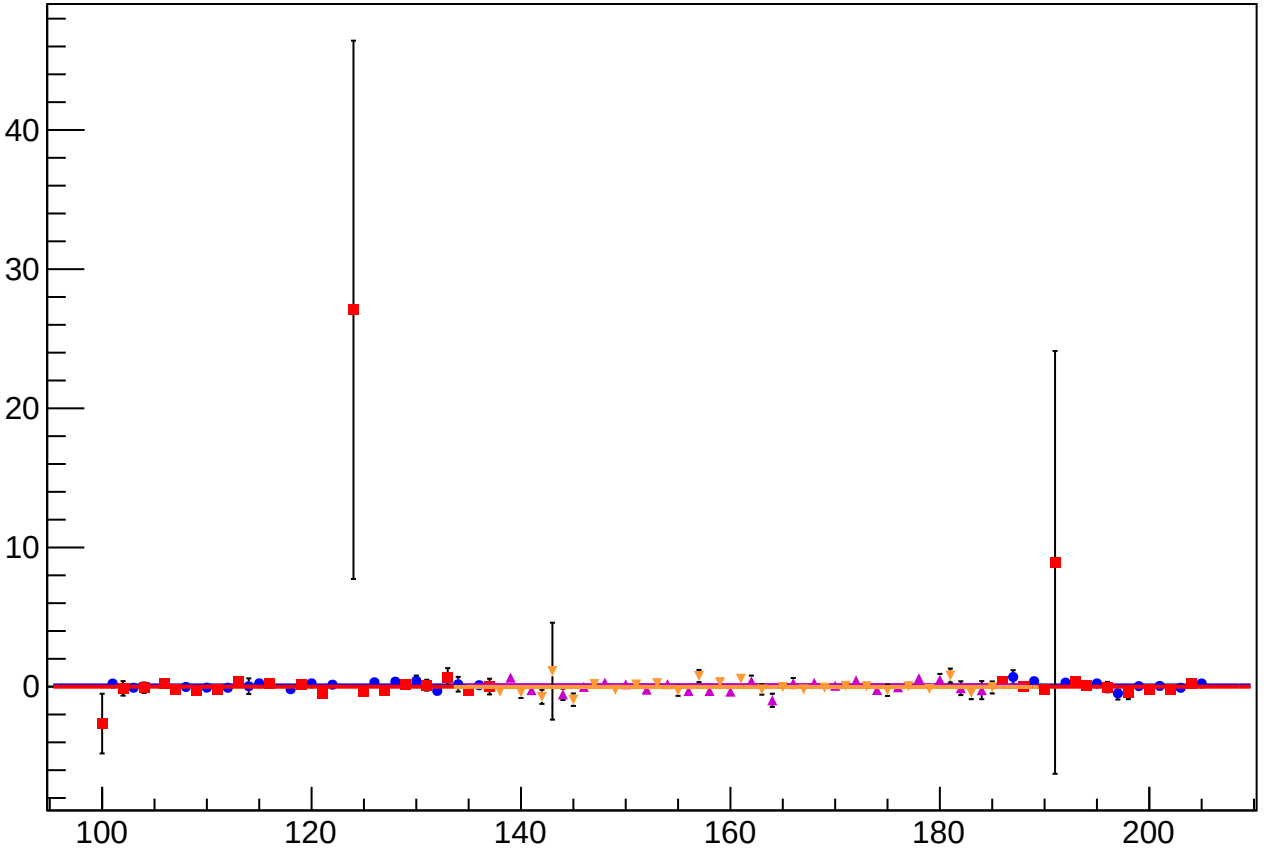
Right: 175.210+/-0.026 χ^2/NDF: 8443063.8/54

In: 217.262+/-0.029 χ^2/NDF:6345542.8/47

Out: 197.238+/-0.027 χ^2/NDF:11867608.1/54

All: 206.448+/-0.020 χ^2/NDF: 18467154.9/10

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.003+/-0.048 χ^2/NDF: 28.8/29

Left In: 0.095+/-0.063 χ^2/NDF:31.5/22

Left: 0.034+/-0.044 χ^2/NDF: 56.9/47

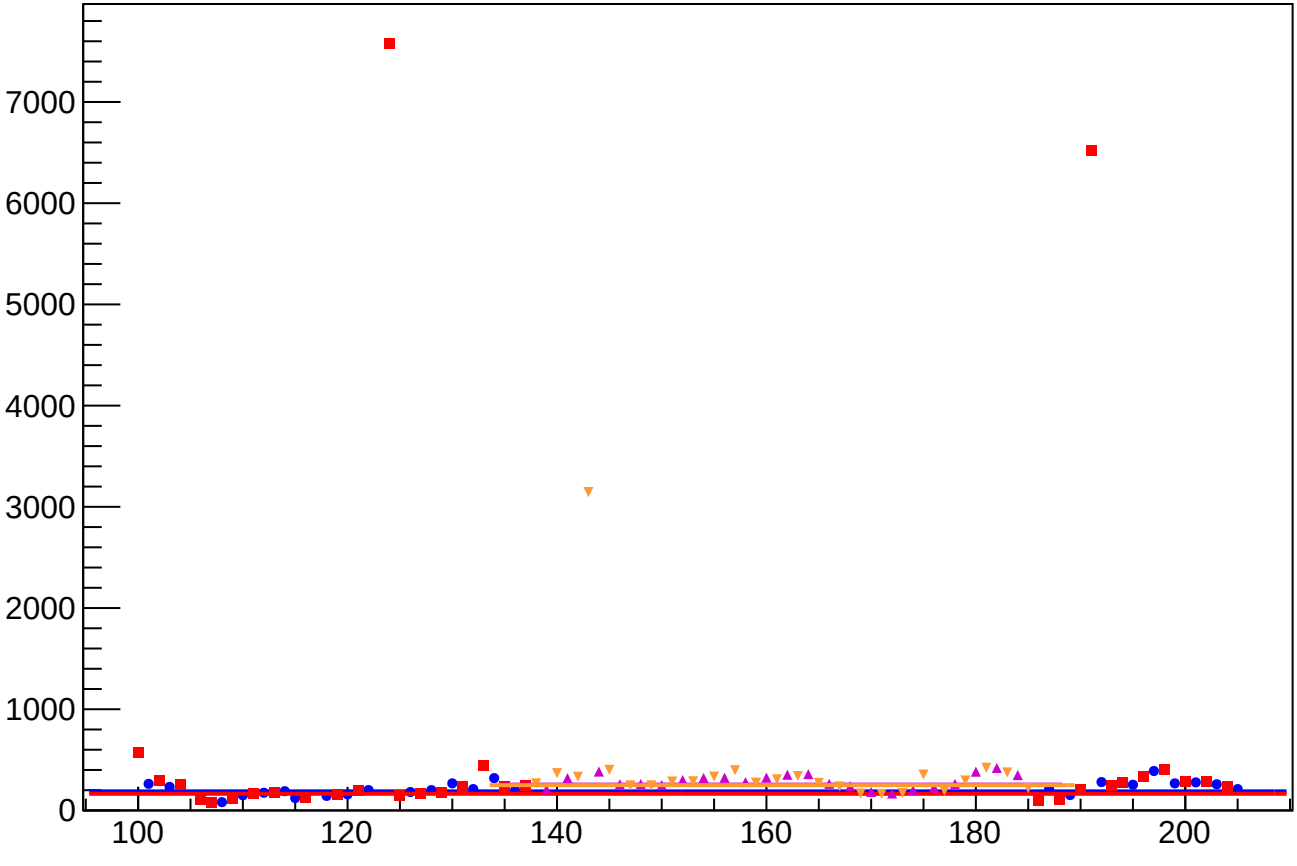
Right: 0.038+/-0.036 χ^2/NDF: 44.9/54

In: 0.092+/-0.041 χ^2/NDF:46.1/47

Out: -0.011+/-0.038 χ^2/NDF:52.4/54

All: 0.037+/-0.028 χ^2/NDF: 101.8/102

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 188.621+/-0.039 χ^2/NDF: 2955857.5/24

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 164.659+/-0.034 χ^2/NDF: 5272162.6/29

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

Left: 252.515+/-0.031 χ^2/NDF: 6353840.1/47

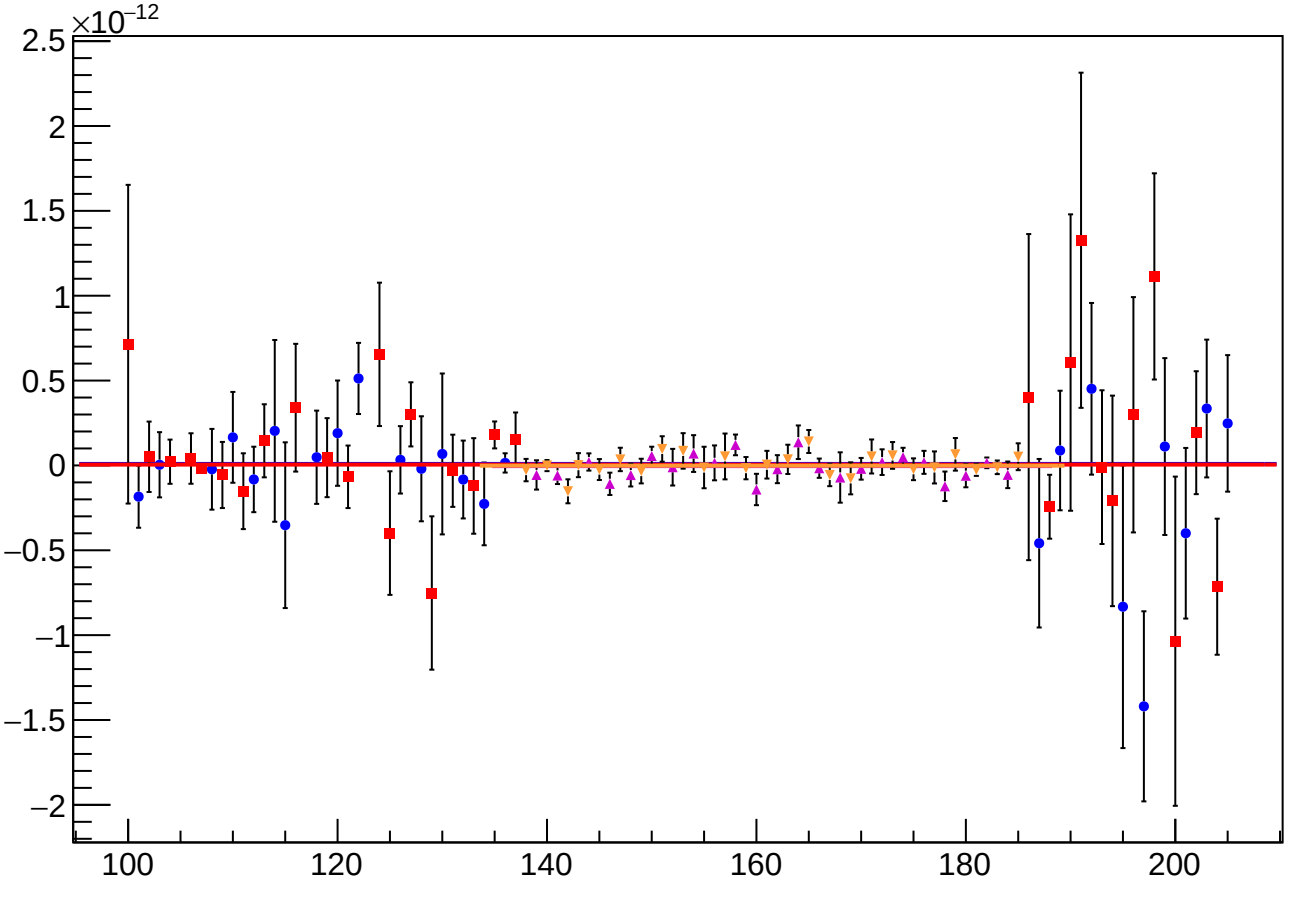
Right: 175.210+/-0.026 χ^2/NDF: 8443063.8/54

In: 217.262+/-0.029 χ^2/NDF:6345542.8/47

Out: 197.238+/-0.027 χ^2/NDF:11867608.1/54

All: 206.448+/-0.020 χ^2/NDF: 18467154.9/10

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/29

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

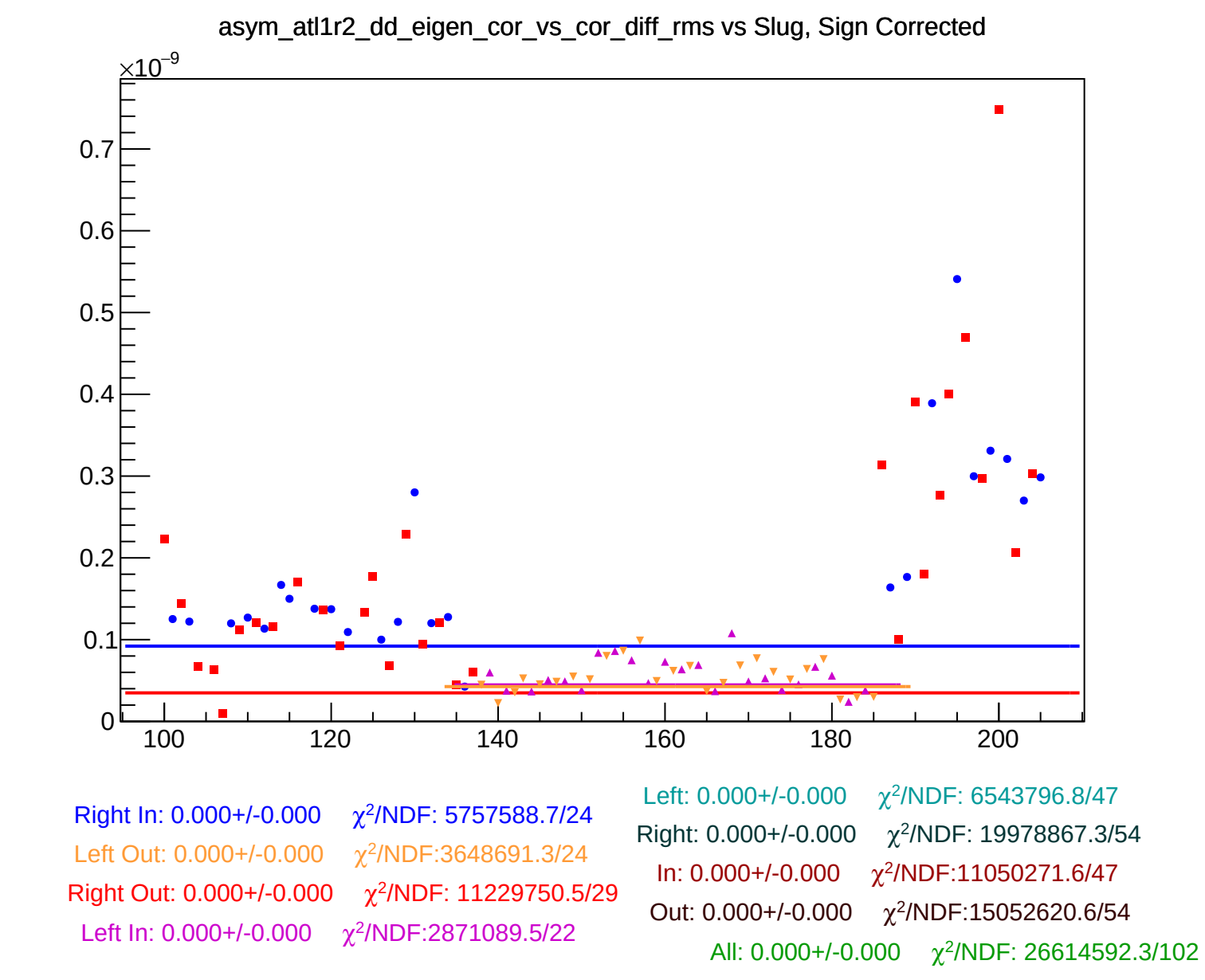
Left: -0.000+/-0.000 χ^2/NDF: 36.2/47

Right: 0.000+/-0.000 χ^2/NDF: 51.4/54

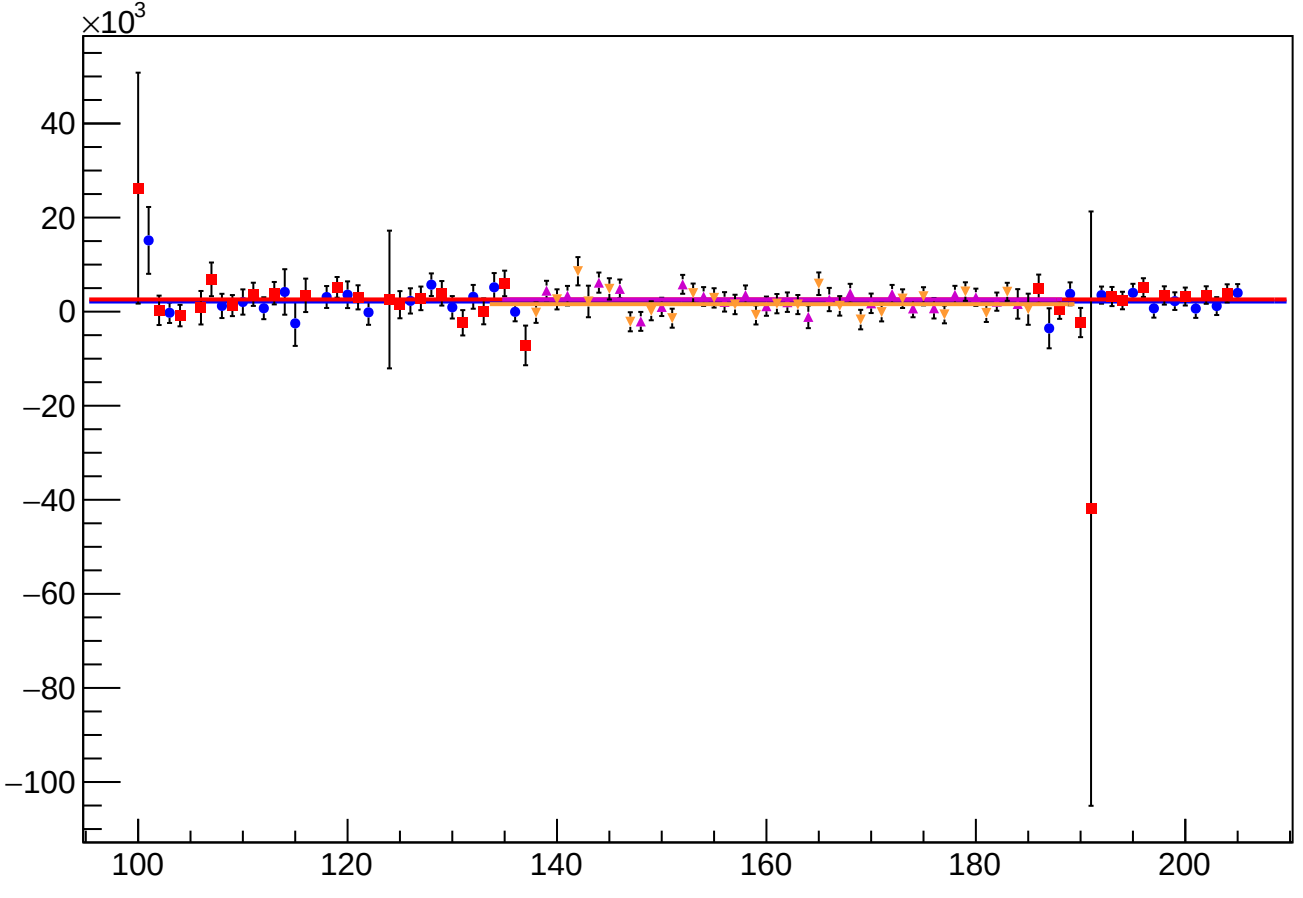
In: -0.000+/-0.000 χ^2/NDF:40.5/47

Out: 0.000+/-0.000 χ^2/NDF:47.3/54

All: -0.000+/-0.000 χ^2/NDF: 87.8/102


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 5757588.7/24
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 11229750.5/29
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
Left: 0.000+/-0.000 χ²/NDF: 6543796.8/47
Right: 0.000+/-0.000 χ²/NDF: 19978867.3/54
In: 0.000+/-0.000 χ²/NDF:11050271.6/47
Out: 0.000+/-0.000 χ²/NDF:15052620.6/54
All: 0.000+/-0.000 χ²/NDF: 26614592.3/102

reg_asym_atr1l2_avg_mean vs Slug, Sign Corrected



Right In: 2150.260+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.249+/-462.266 χ^2/NDF: 26.8/29

Left In: 2597.740+/-430.293 χ^2/NDF:20.1/22

Left: 2086.864+/-301.760 χ^2/NDF: 54.1/47

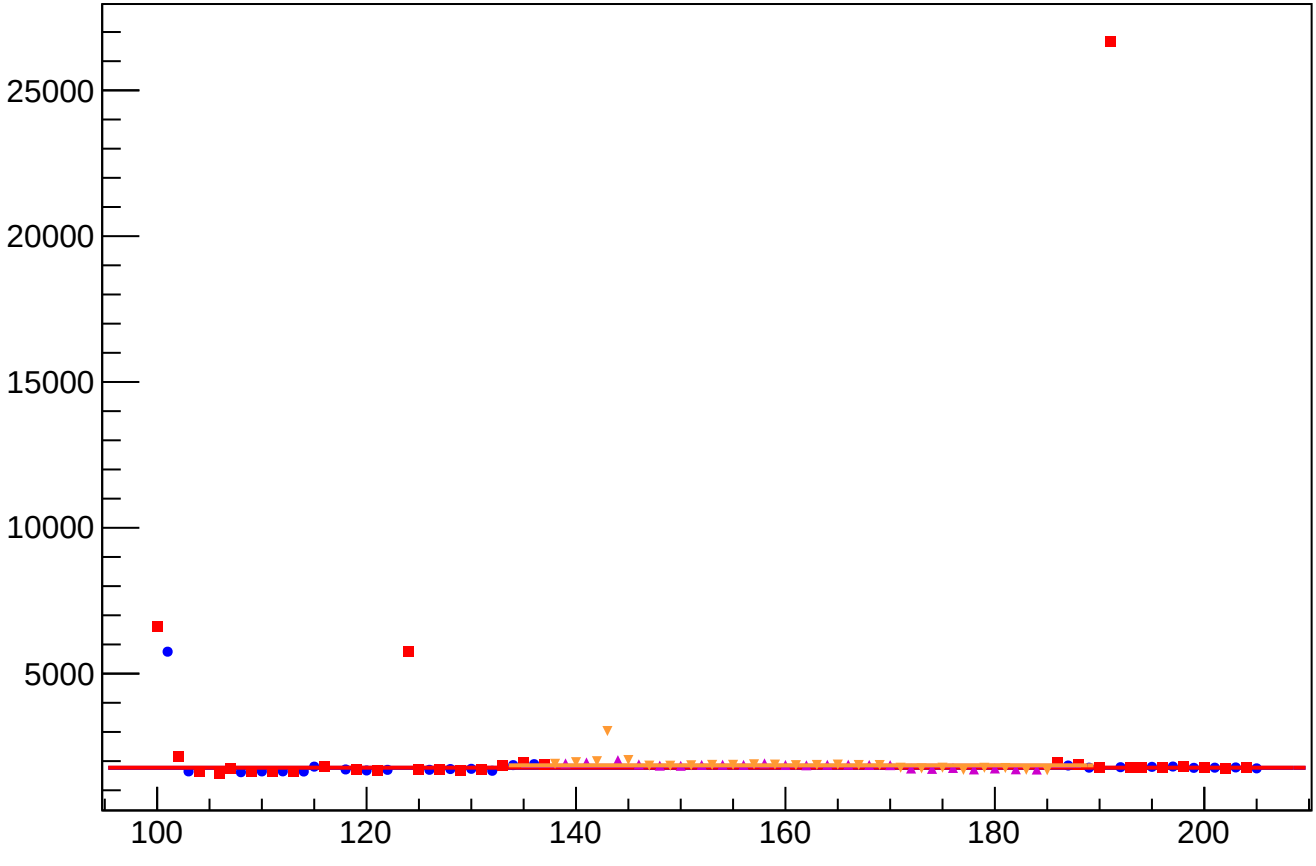
Right: 2381.211+/-331.909 χ^2/NDF: 45.5/54

In: 2396.907+/-319.459 χ^2/NDF:38.8/47

Out: 2051.184+/-312.186 χ^2/NDF:60.6/54

All: 2220.065+/-223.276 χ^2/NDF: 100.1/102

reg_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1767.840+/-0.337 χ^2/NDF: 674996.9/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.422+/-0.326 χ^2/NDF: 639547.7/29

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

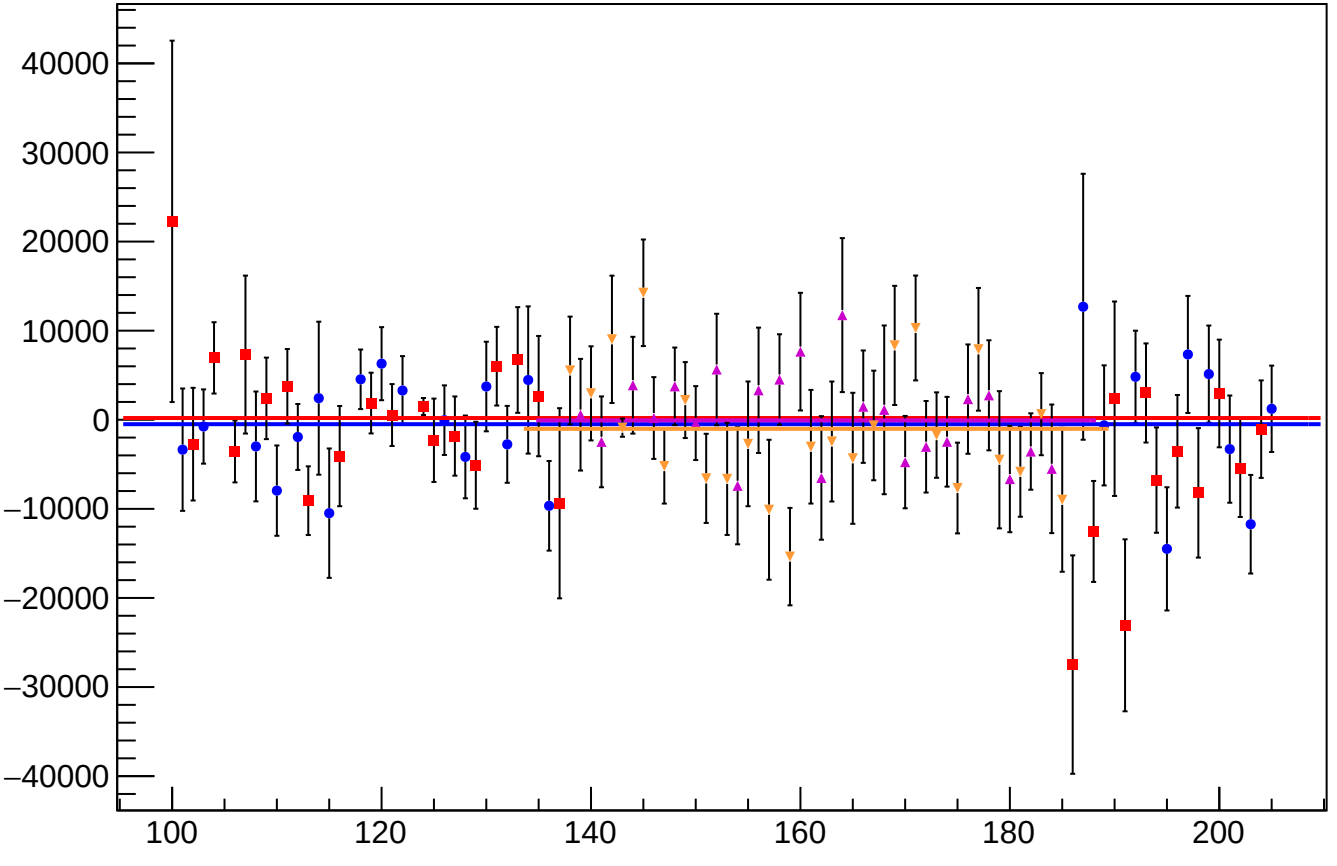
Right: 1771.763+/-0.234 χ^2/NDF: 1314806.2/54

In: 1808.155+/-0.226 χ^2/NDF:771917.8/47

Out: 1818.864+/-0.220 χ^2/NDF:996638.6/54

All: 1813.642+/-0.158 χ^2/NDF: 1769708.1/10

asym_atr1l2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -496.002+/-1015.615 χ^2/NDF: 28.8/24

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 194.529+/-681.310 χ^2/NDF: 41.6/29

Left In: -62.369+/-1173.429 χ^2/NDF:13.0/22

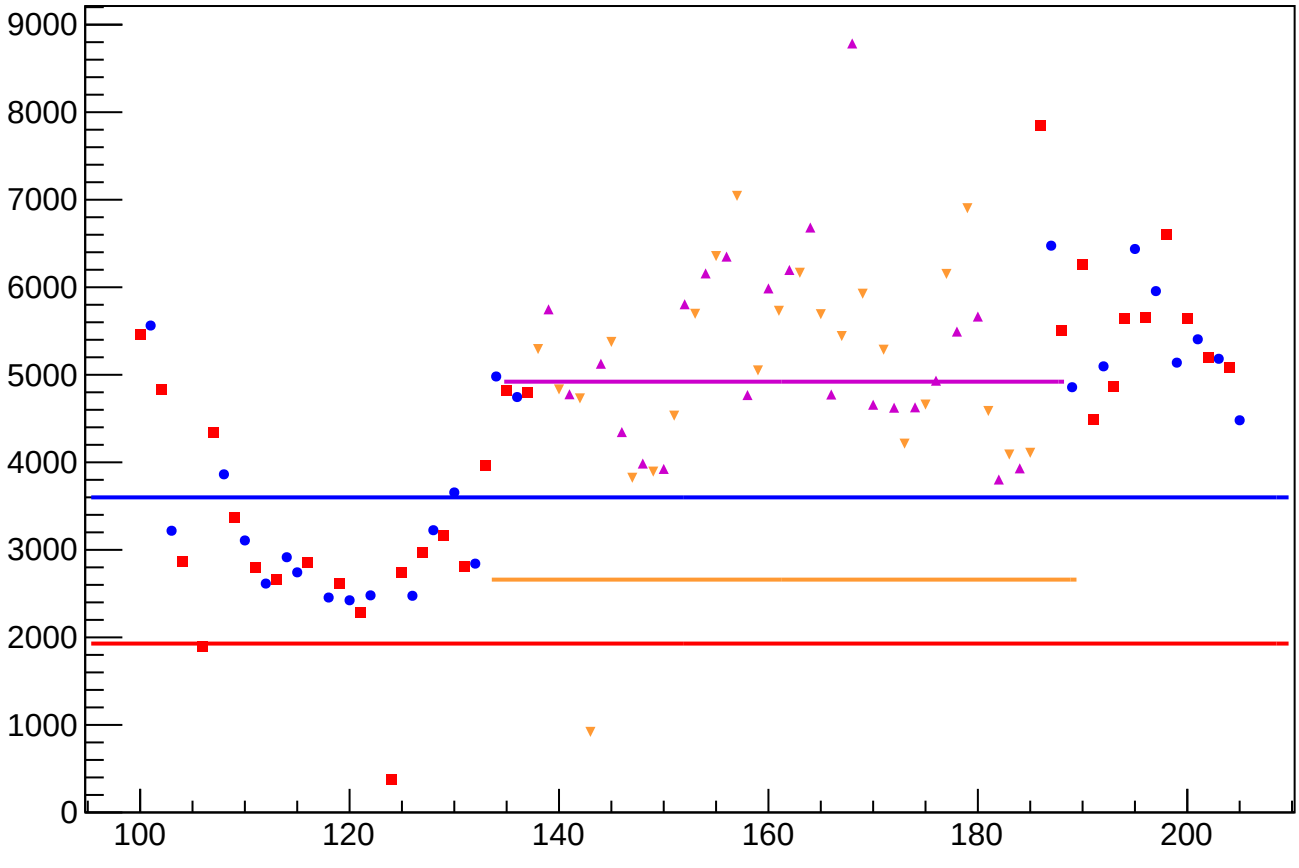
Left: -730.018+/-644.833 χ^2/NDF: 47.2/47

Right: -19.780+/-565.793 χ^2/NDF: 70.8/54

In: -310.286+/-767.928 χ^2/NDF:41.9/47

Out: -336.884+/-510.775 χ^2/NDF:76.8/54

All: -328.726+/-425.291 χ^2/NDF: 118.7/102



Right In: 3599.638+/-0.718 χ^2/NDF: 2827164.3/24

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1929.377+/-0.482 χ^2/NDF: 14383027.4/29

Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

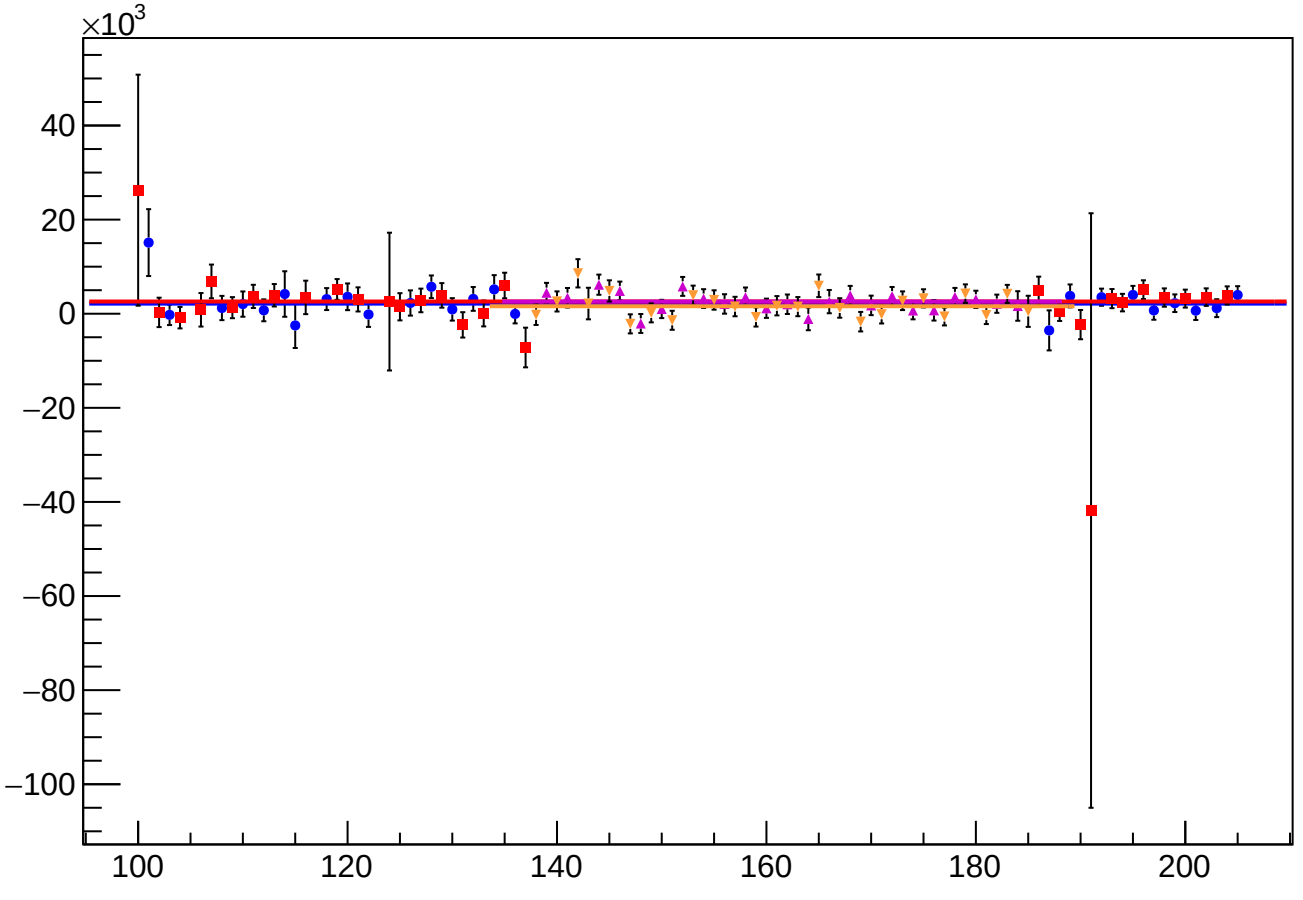
Left: 3342.883+/-0.456 χ^2/NDF: 20971649.5/47

Right: 2447.750+/-0.400 χ^2/NDF: 20940690.9/54

In: 4165.687+/-0.543 χ^2/NDF:5528903.0/47

Out: 2249.363+/-0.361 χ^2/NDF:29926426.8/54

All: 2837.123+/-0.301 χ^2/NDF: 44089891.0/1



Right In: 2150.067+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.257+/-462.266 χ^2/NDF: 26.8/29

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

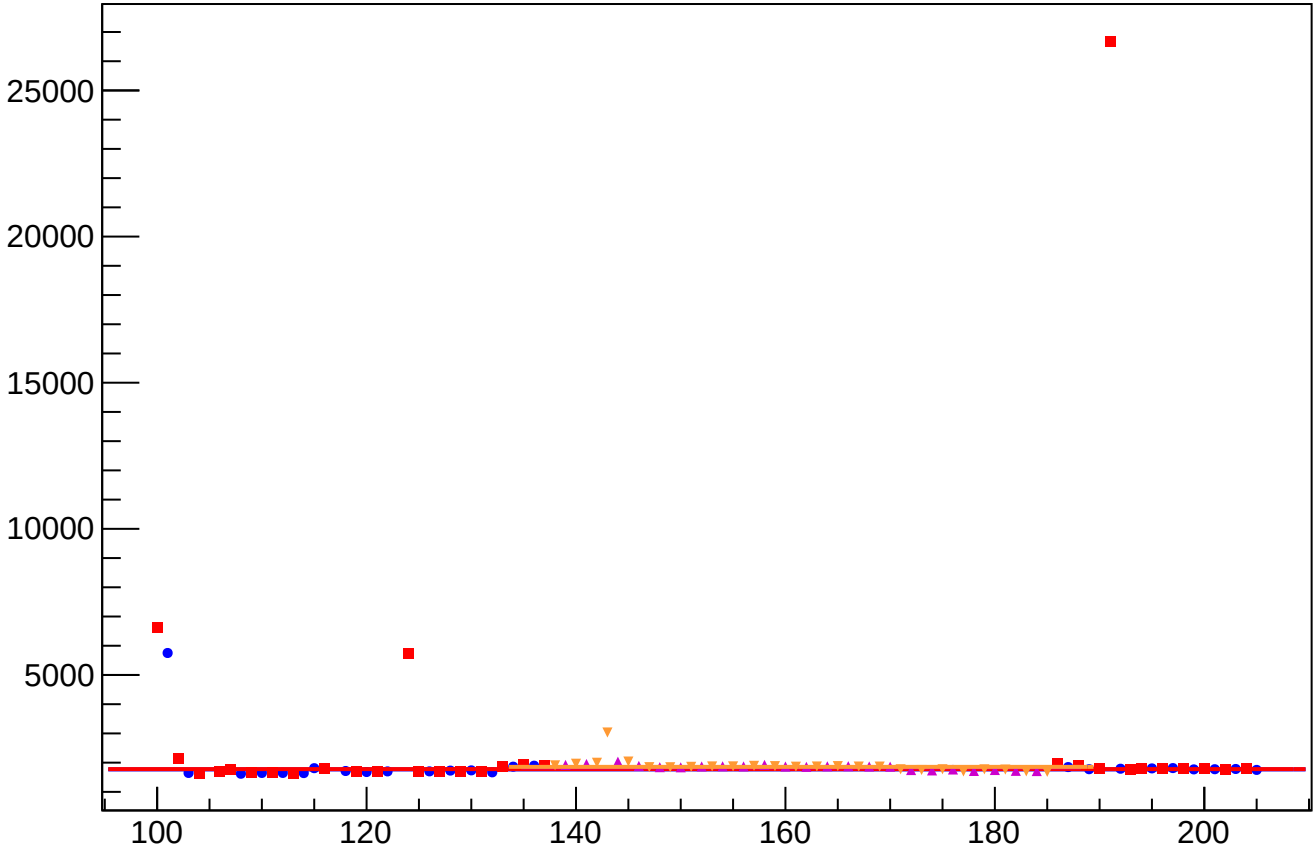
Right: 2381.122+/-331.909 χ^2/NDF: 45.5/54

In: 2396.860+/-319.459 χ^2/NDF:38.8/47

Out: 2051.170+/-312.186 χ^2/NDF:60.6/54

All: 2220.035+/-223.276 χ^2/NDF: 100.0/102

cor_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1767.840+/-0.337 χ^2/NDF: 674997.2/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.901+/-0.326 χ^2/NDF: 630702.8/29

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

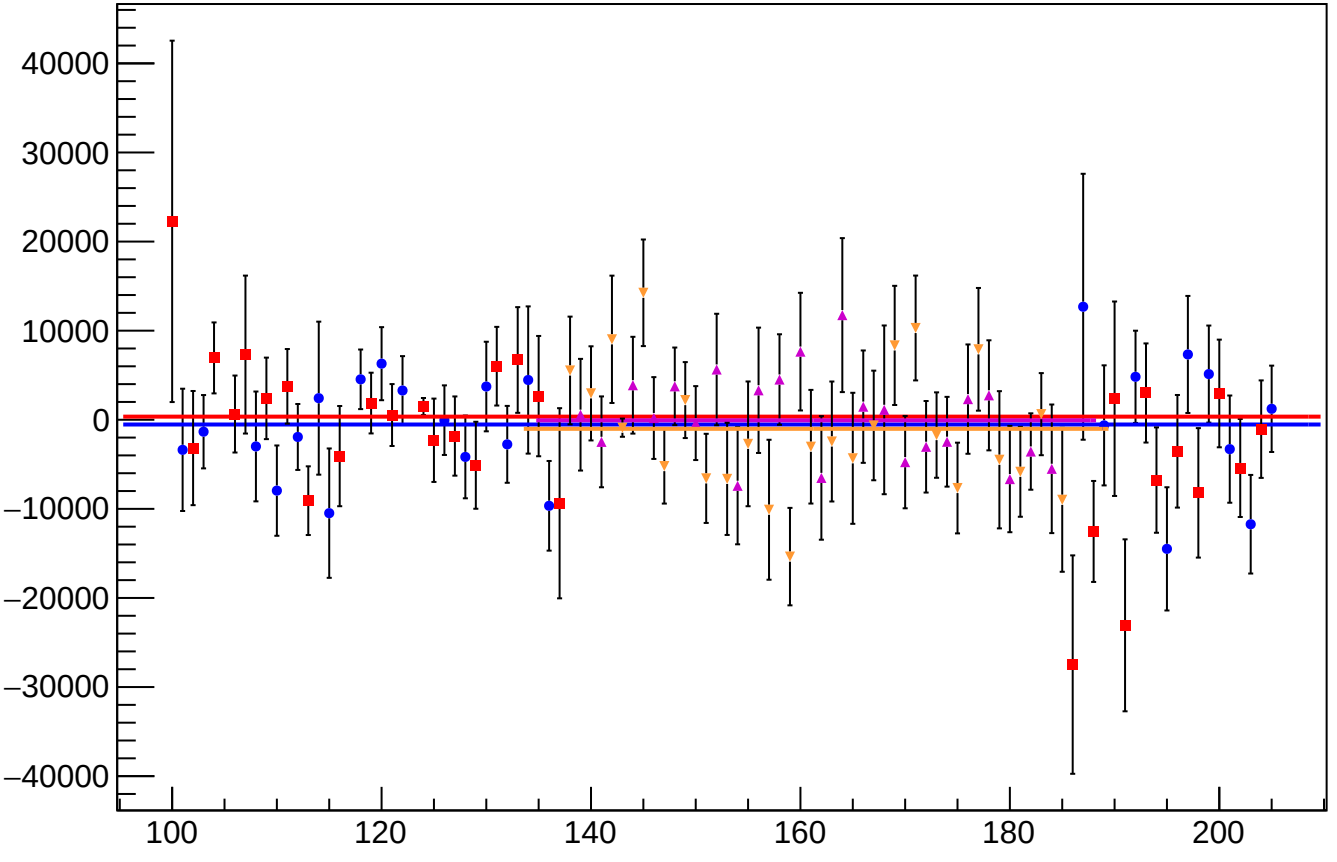
Right: 1773.552+/-0.234 χ^2/NDF: 1306255.7/54

In: 1808.155+/-0.226 χ^2/NDF:771918.2/47

Out: 1820.526+/-0.221 χ^2/NDF:984947.2/54

All: 1814.488+/-0.158 χ^2/NDF: 1758400.9/10

asym_atr1l2_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -532.335+/-1014.833 χ^2/NDF: 28.8/24

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 350.769+/-686.037 χ^2/NDF: 40.5/29

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

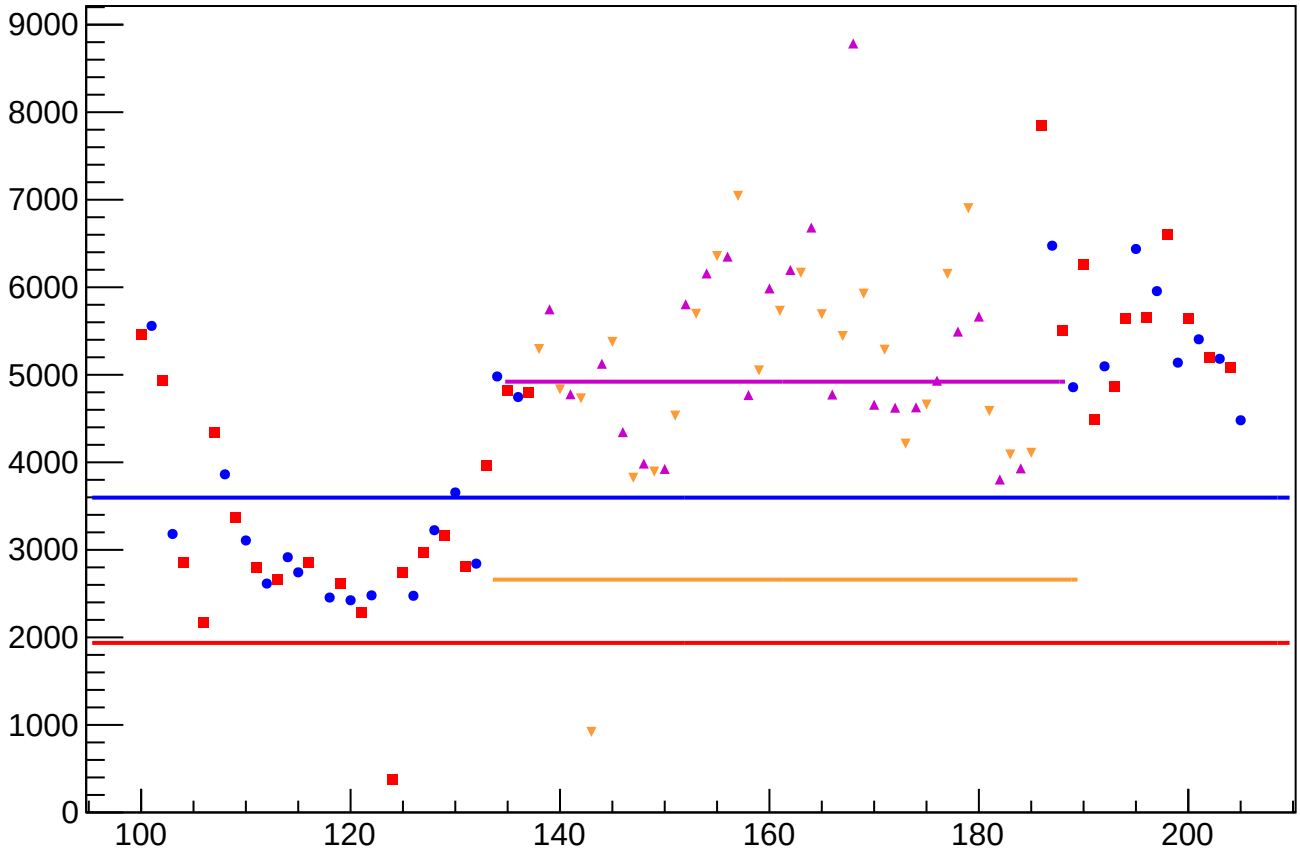
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 73.781+/-568.354 χ^2/NDF: 69.9/54

In: -331.200+/-767.590 χ^2/NDF:42.0/47

Out: -253.685+/-512.752 χ^2/NDF:76.0/54

All: -277.602+/-426.373 χ^2/NDF: 118.0/102



Right In: 3596.805+/-0.718 χ^2/NDF: 2830613.6/24

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1936.951+/-0.485 χ^2/NDF: 14404355.1/29

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

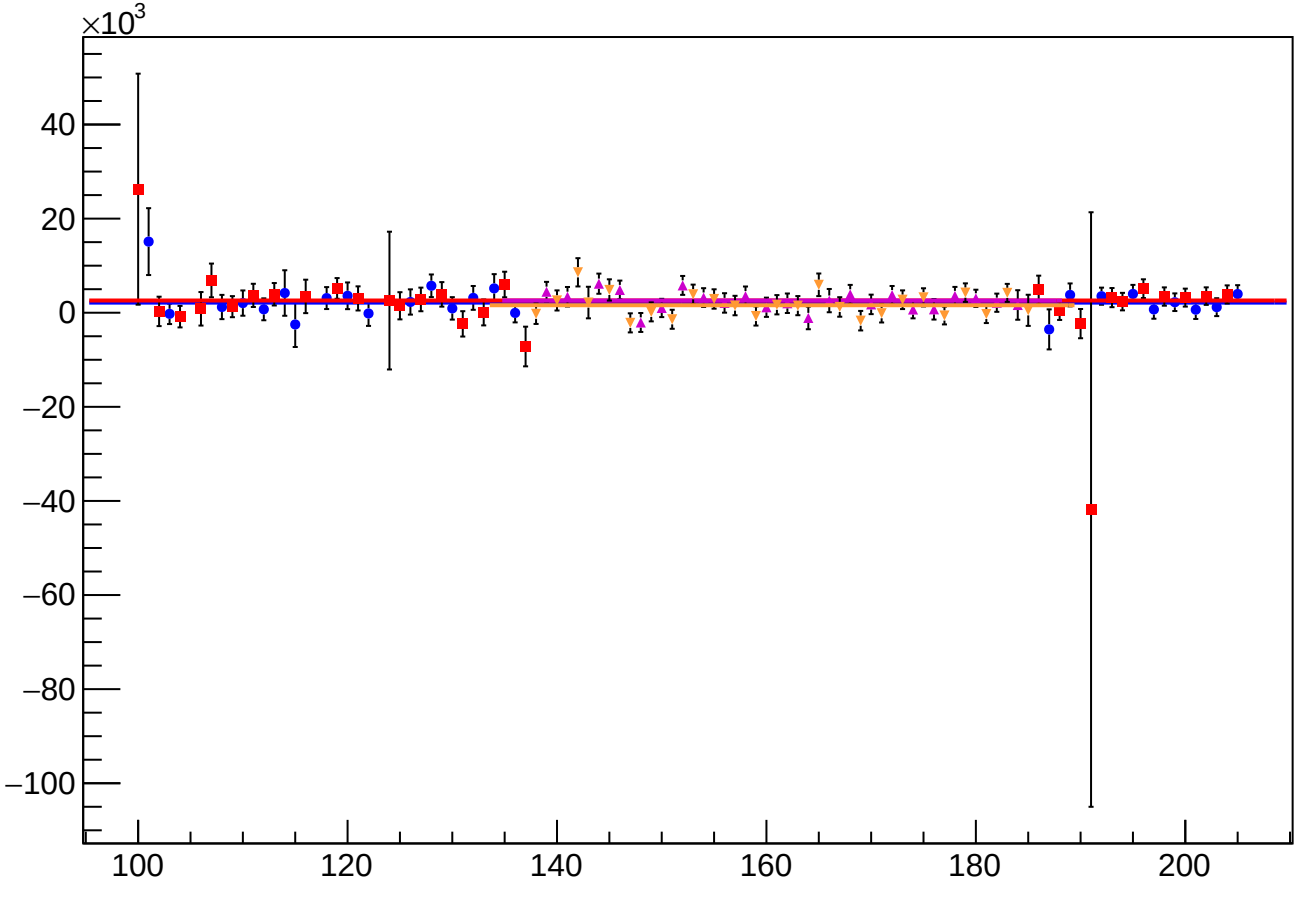
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2457.570+/-0.402 χ^2/NDF: 20907153.4/54

In: 4163.567+/-0.543 χ^2/NDF:5539542.4/47

Out: 2256.046+/-0.363 χ^2/NDF:29921483.8/54

All: 2844.604+/-0.301 χ^2/NDF: 44001331.3/1



Right In: 2150.067+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: 2598.257+/-462.266 χ^2/NDF: 26.8/29

Left In: 2597.812+/-430.293 χ^2/NDF:20.1/22

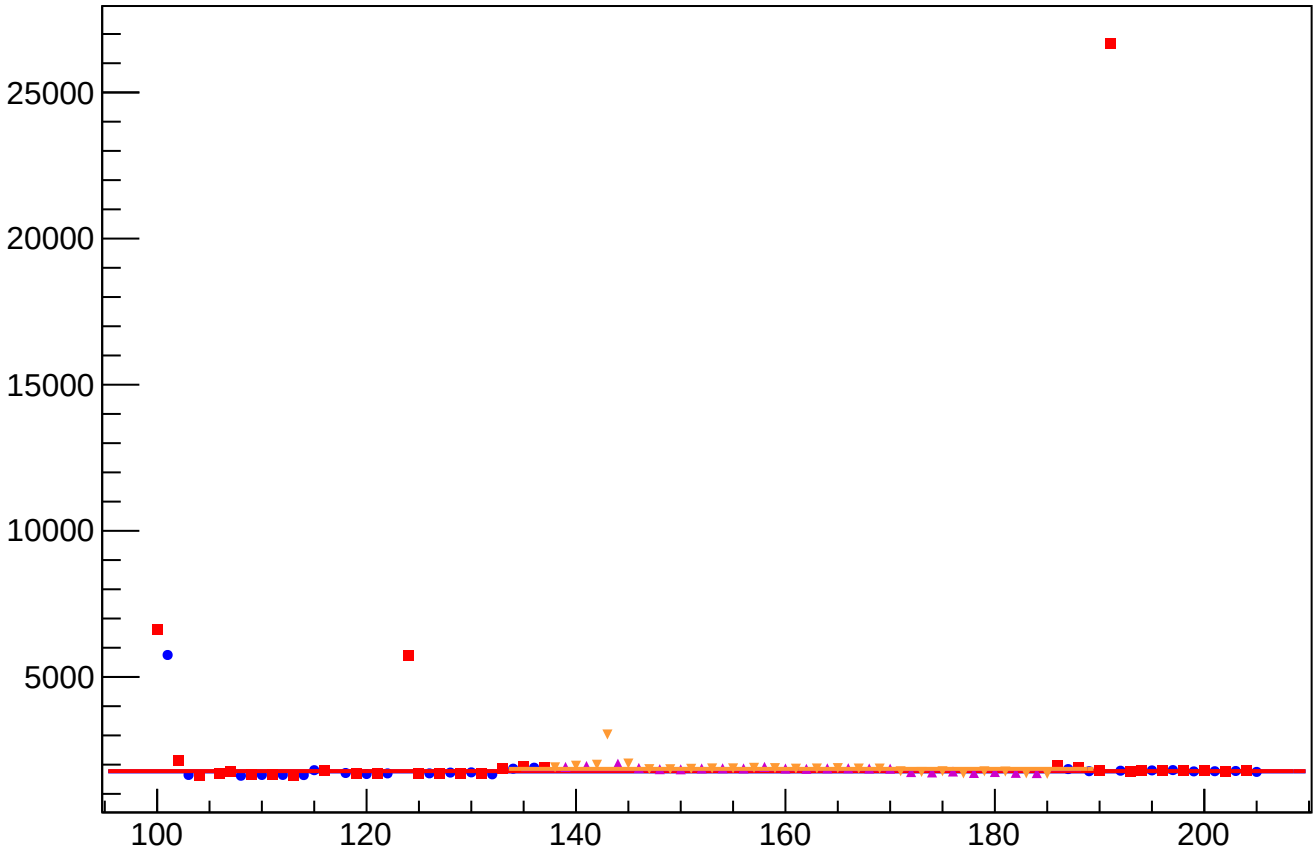
Left: 2086.883+/-301.760 χ^2/NDF: 54.1/47

Right: 2381.122+/-331.909 χ^2/NDF: 45.5/54

In: 2396.860+/-319.459 χ^2/NDF:38.8/47

Out: 2051.170+/-312.186 χ^2/NDF:60.6/54

All: 2220.035+/-223.276 χ^2/NDF: 100.0/102



Right In: 1767.840+/-0.337 χ^2/NDF: 674997.2/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.901+/-0.326 χ^2/NDF: 630702.8/29

Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

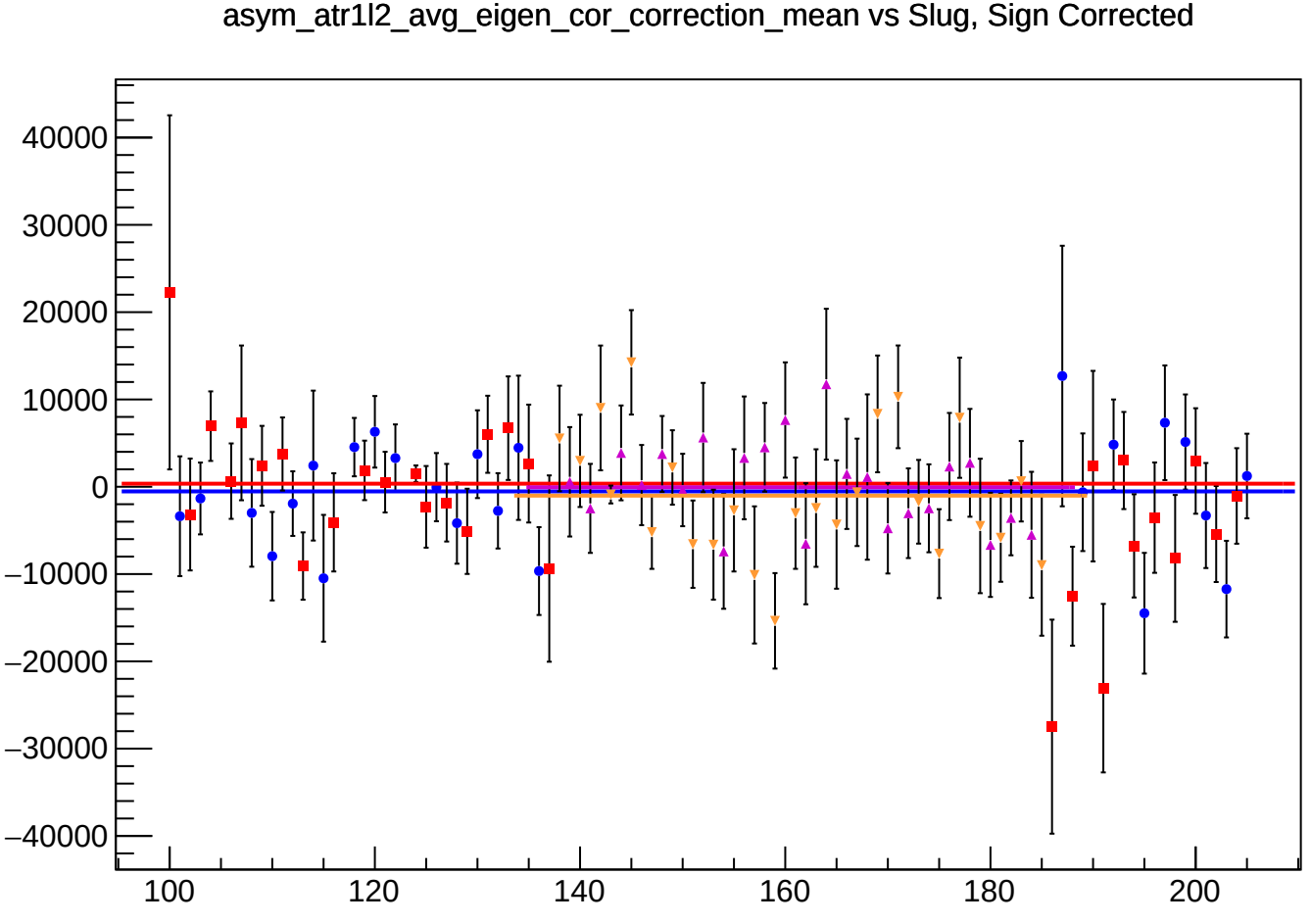
Left: 1848.390+/-0.213 χ^2/NDF: 396420.2/47

Right: 1773.552+/-0.234 χ^2/NDF: 1306255.7/54

In: 1808.155+/-0.226 χ^2/NDF:771918.2/47

Out: 1820.526+/-0.221 χ^2/NDF:984947.2/54

All: 1814.488+/-0.158 χ^2/NDF: 1758400.9/10



Right In: -532.335+/-1014.833 χ^2/NDF: 28.8/24

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: 350.769+/-686.037 χ^2/NDF: 40.5/29

Left In: -62.286+/-1173.429 χ^2/NDF:13.0/22

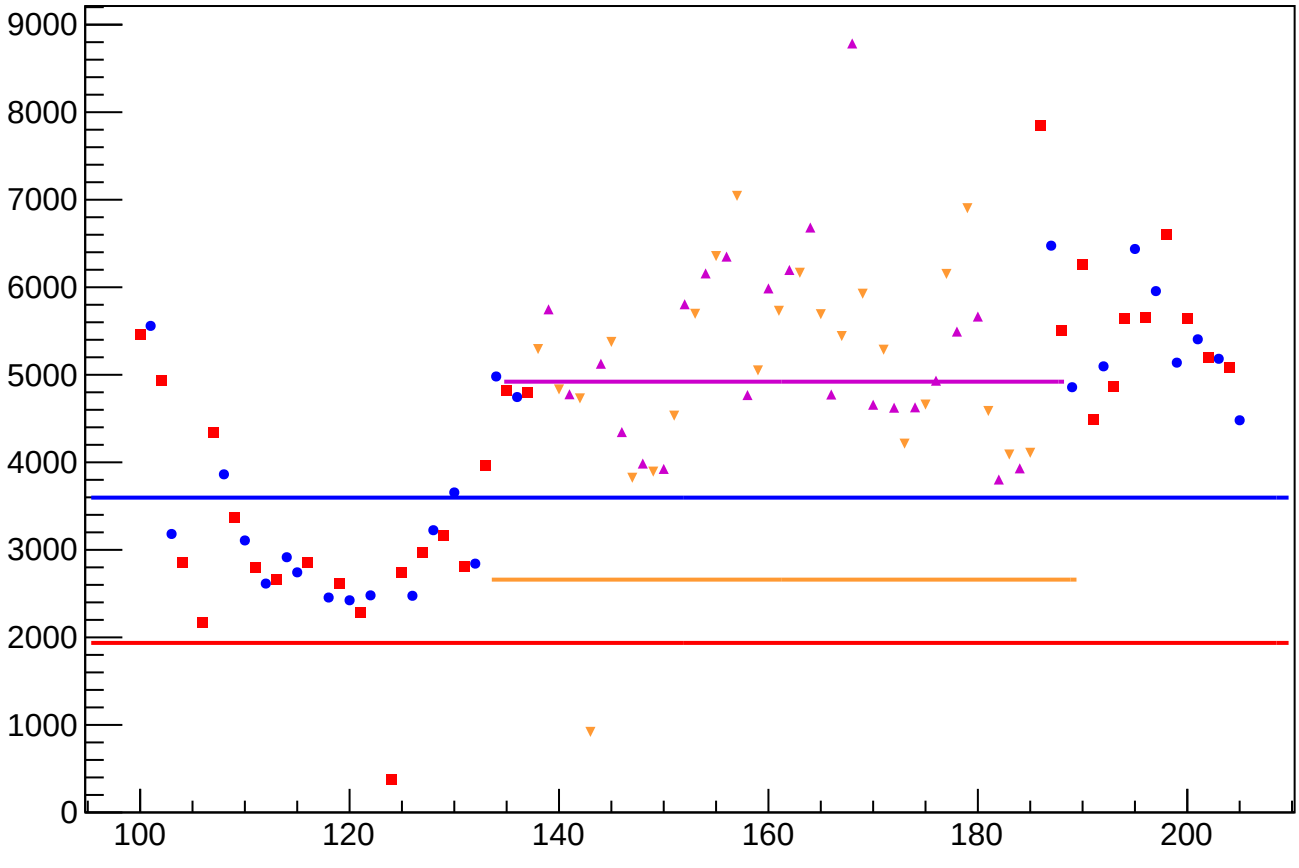
Left: -729.898+/-644.823 χ^2/NDF: 47.2/47

Right: 73.781+/-568.354 χ^2/NDF: 69.9/54

In: -331.200+/-767.590 χ^2/NDF:42.0/47

Out: -253.685+/-512.752 χ^2/NDF:76.0/54

All: -277.602+/-426.373 χ^2/NDF: 118.0/102



Right In: 3596.805+/-0.718 χ^2/NDF: 2830613.6/24

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1936.951+/-0.485 χ^2/NDF: 14404355.1/29

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

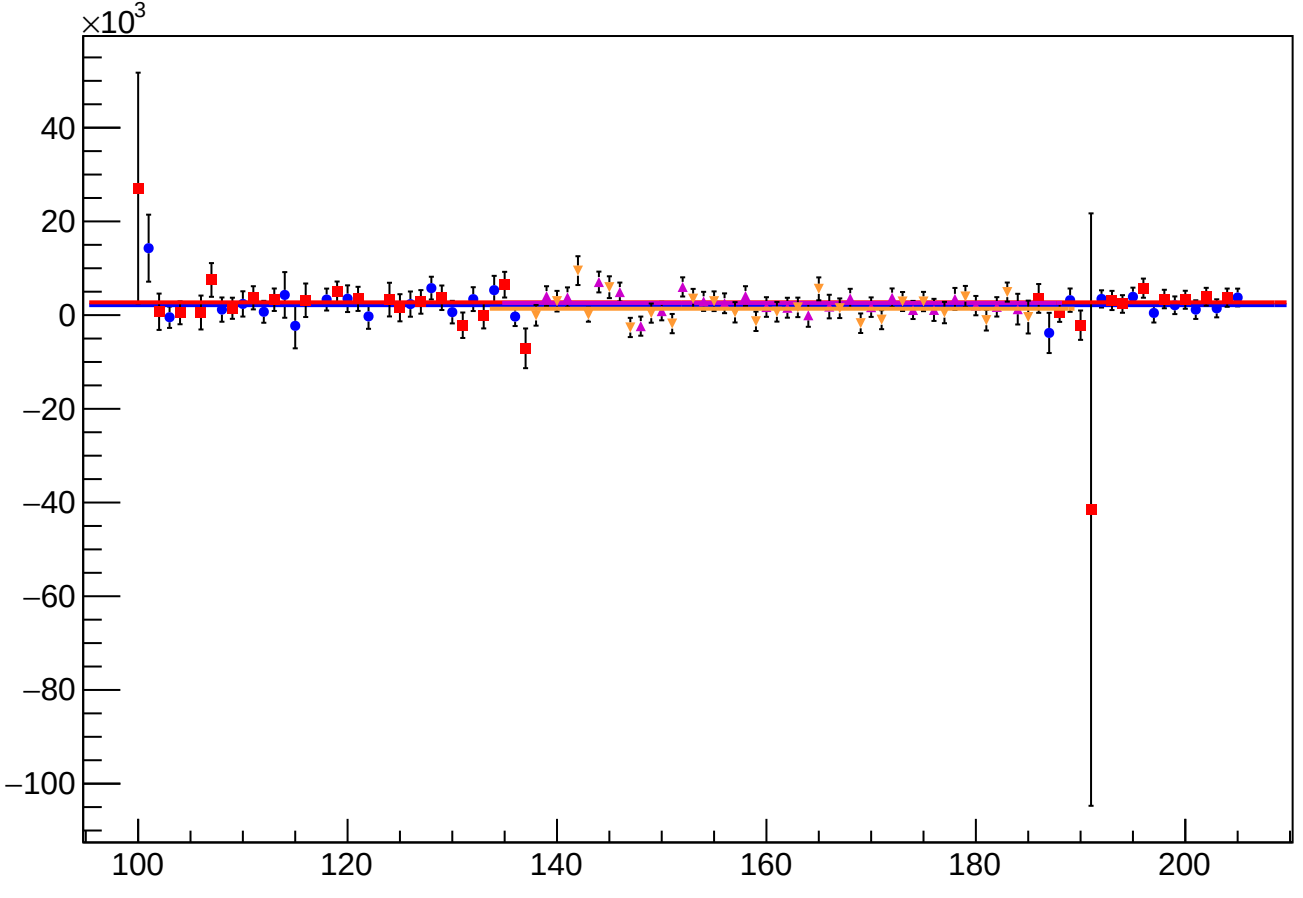
Left: 3342.790+/-0.456 χ^2/NDF: 20972927.8/47

Right: 2457.570+/-0.402 χ^2/NDF: 20907153.4/54

In: 4163.567+/-0.543 χ^2/NDF:5539542.4/47

Out: 2256.046+/-0.363 χ^2/NDF:29921483.8/54

All: 2844.604+/-0.301 χ^2/NDF: 44001331.3/1



Right In: 2127.705+/-482.464 χ^2/NDF: 17.7/24

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: 2724.686+/-465.503 χ^2/NDF: 25.1/29

Left In: 2602.835+/-446.741 χ^2/NDF:20.0/22

Left: 1955.864+/-308.803 χ^2/NDF: 60.2/47

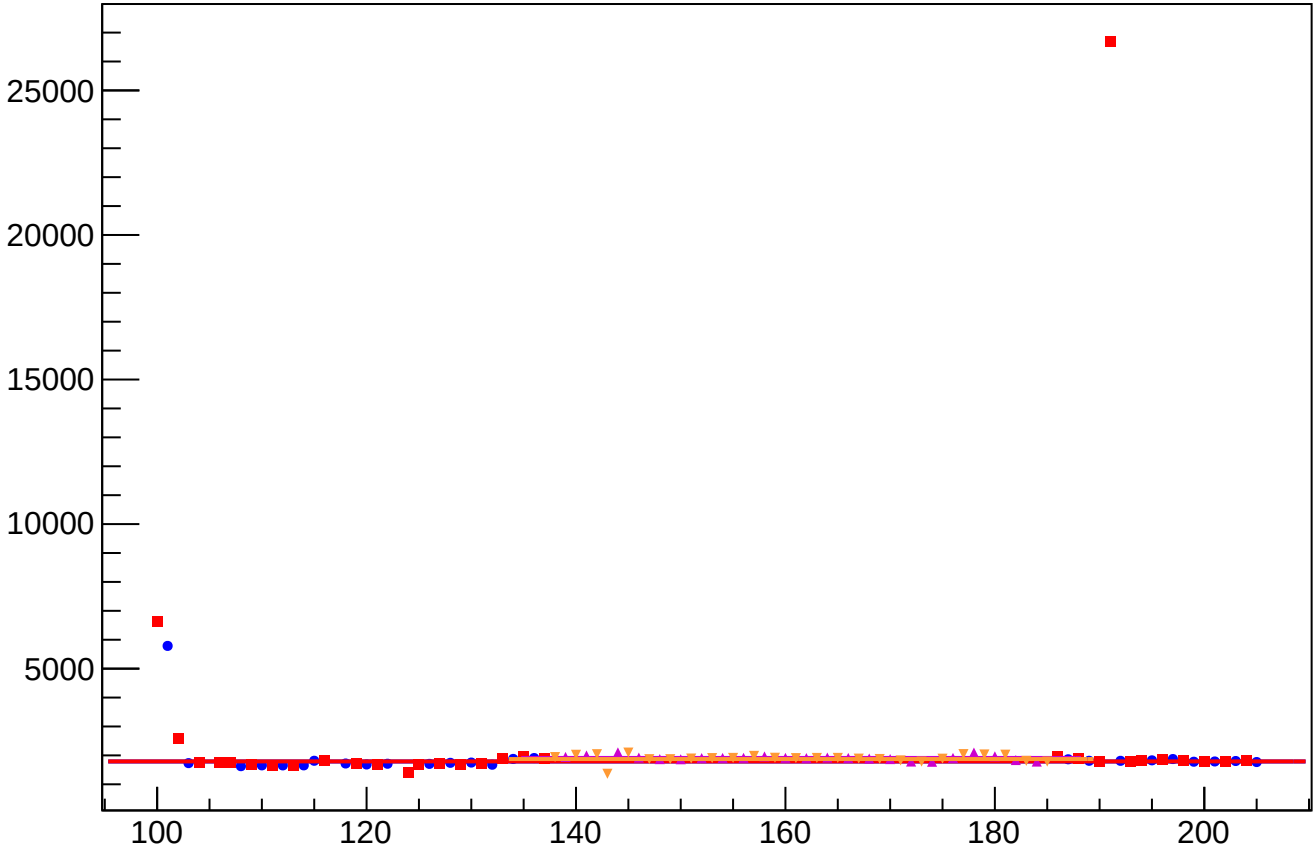
Right: 2436.873+/-334.996 χ^2/NDF: 43.6/54

In: 2383.509+/-327.796 χ^2/NDF:38.2/47

Out: 1986.215+/-314.801 χ^2/NDF:65.8/54

All: 2176.831+/-227.053 χ^2/NDF: 104.9/102

dit_asym_atr1l2_avg_rms vs Slug, Sign Corrected



Right In: 1788.412+/-0.341 χ^2/NDF: 675004.8/24

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1792.123+/-0.329 χ^2/NDF: 555137.0/29

Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

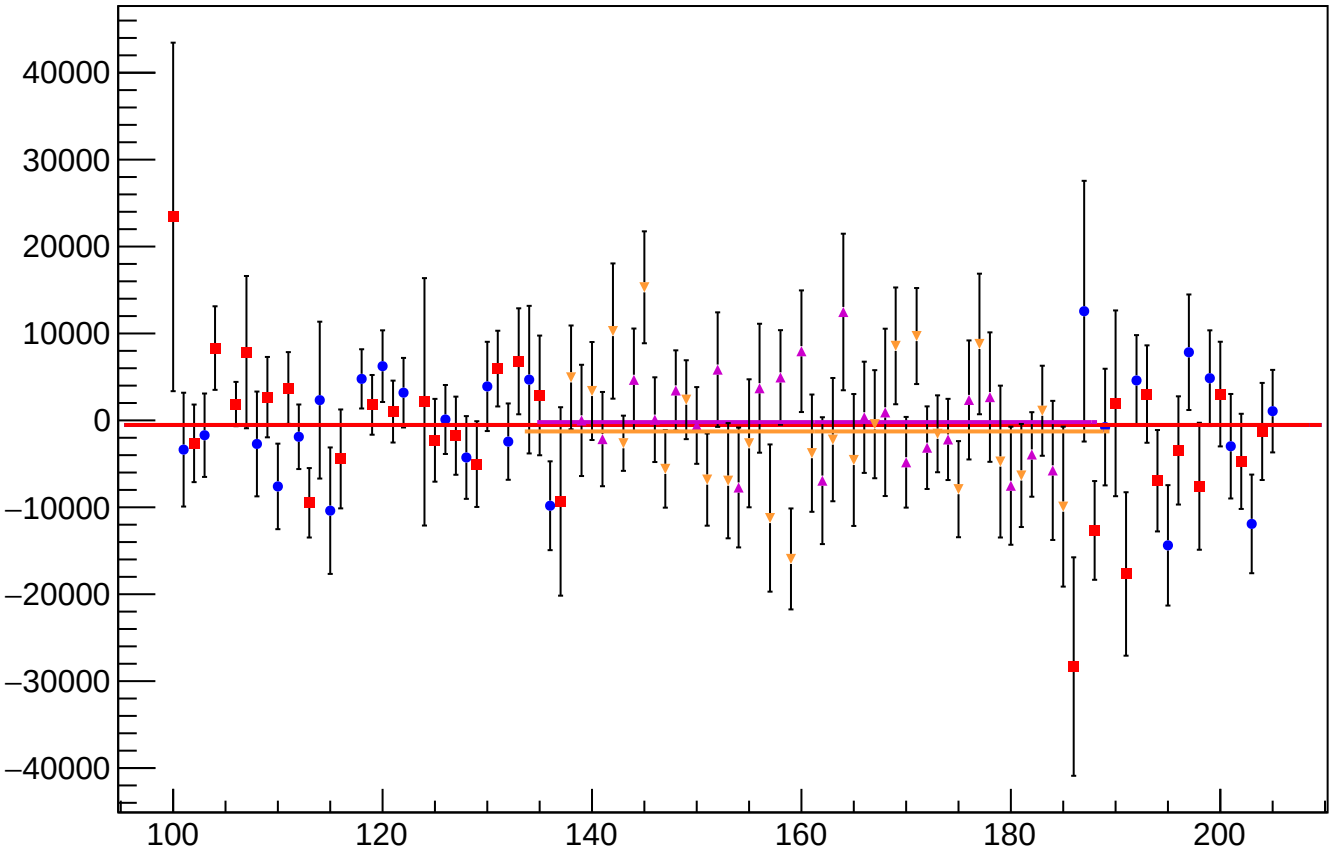
Left: 1891.452+/-0.218 χ^2/NDF: 376528.1/47

Right: 1790.336+/-0.237 χ^2/NDF: 1230203.2/54

In: 1854.640+/-0.232 χ^2/NDF:804142.8/47

Out: 1836.055+/-0.222 χ^2/NDF:897824.6/54

All: 1844.966+/-0.160 χ^2/NDF: 1705313.7/10



Right In: -531.472+/-1031.889 χ^2/NDF: 28.3/24

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -524.197+/-940.533 χ^2/NDF: 36.7/29

Left In: -196.917+/-1234.538 χ^2/NDF:12.7/22

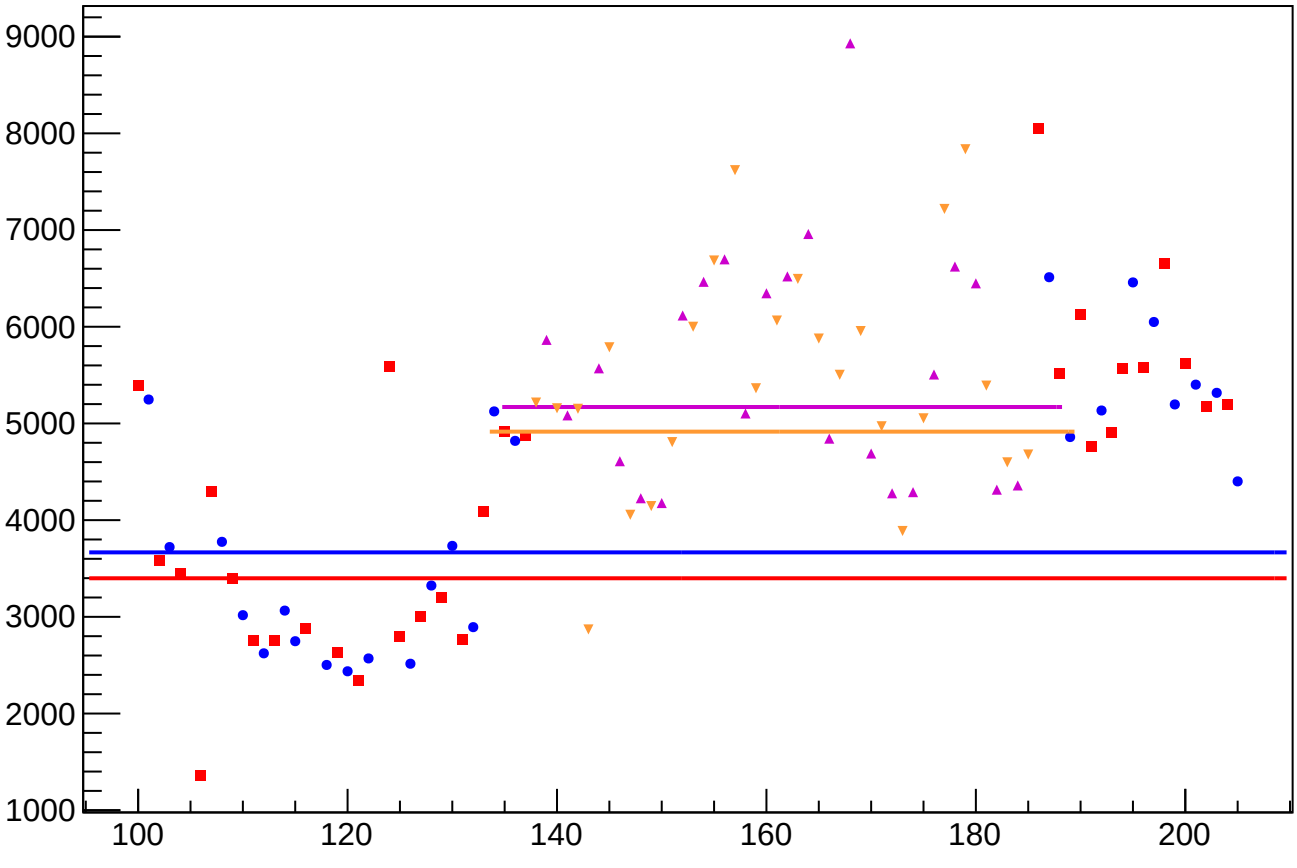
Left: -768.486+/-843.867 χ^2/NDF: 46.5/47

Right: -527.498+/-695.115 χ^2/NDF: 65.0/54

In: -393.871+/-791.738 χ^2/NDF:41.1/47

Out: -821.115+/-729.597 χ^2/NDF:70.4/54

All: -624.915+/-536.529 χ^2/NDF: 111.6/102



Right In: 3666.680+/-0.730 χ^2/NDF: 2727651.2/24

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3398.862+/-0.665 χ^2/NDF: 4495865.1/29

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

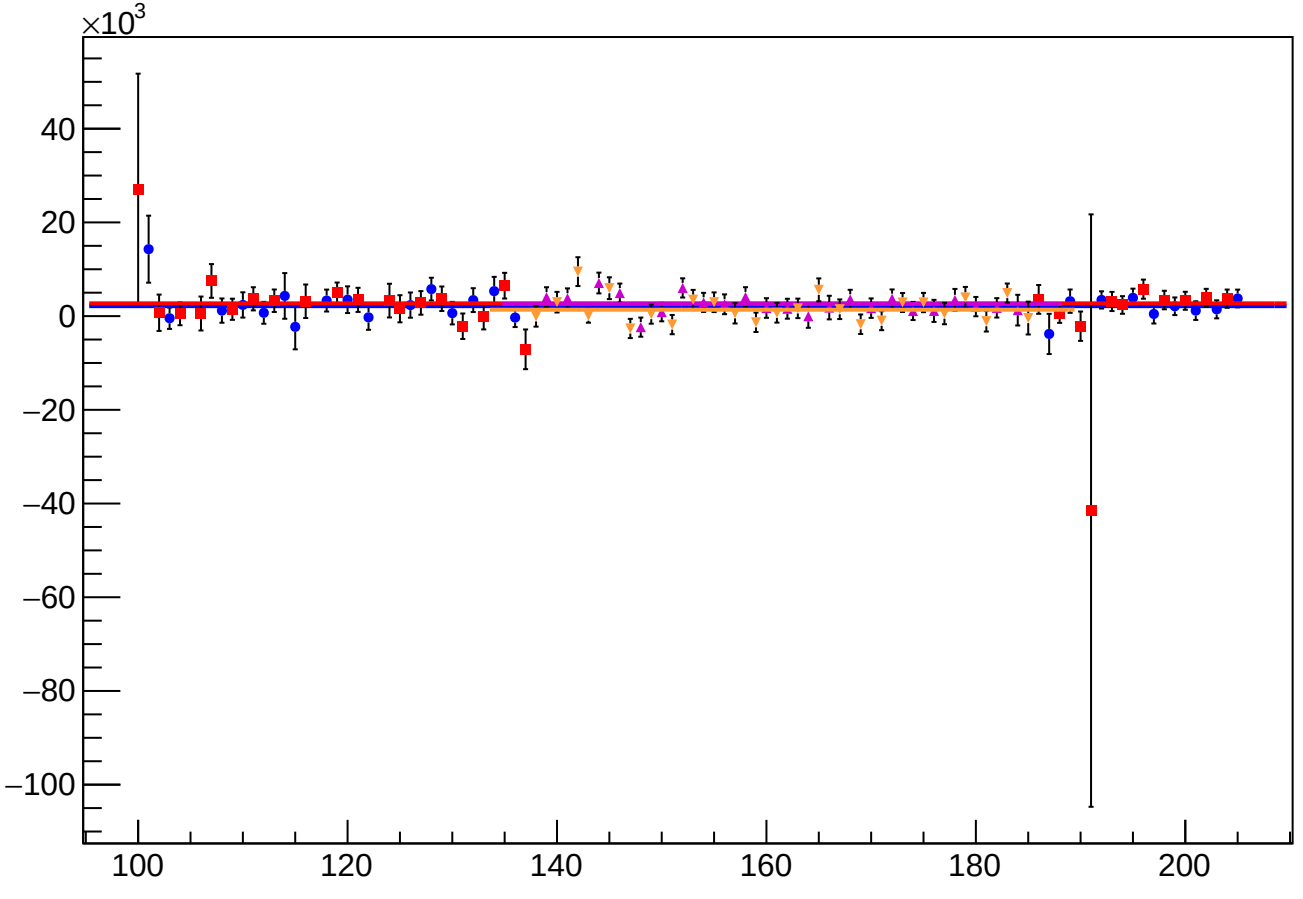
Left: 5034.289+/-0.597 χ^2/NDF: 3560323.8/47

Right: 3520.393+/-0.492 χ^2/NDF: 7297104.8/54

In: 4285.000+/-0.560 χ^2/NDF:5822334.0/47

Out: 4002.756+/-0.516 χ^2/NDF:8732480.4/54

All: 4132.369+/-0.379 χ^2/NDF: 14692262.0/



Right In: 2127.703+/-482.464 χ^2/NDF: 17.7/24

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: 2724.686+/-465.503 χ^2/NDF: 25.1/29

Left In: 2602.834+/-446.742 χ^2/NDF:20.0/22

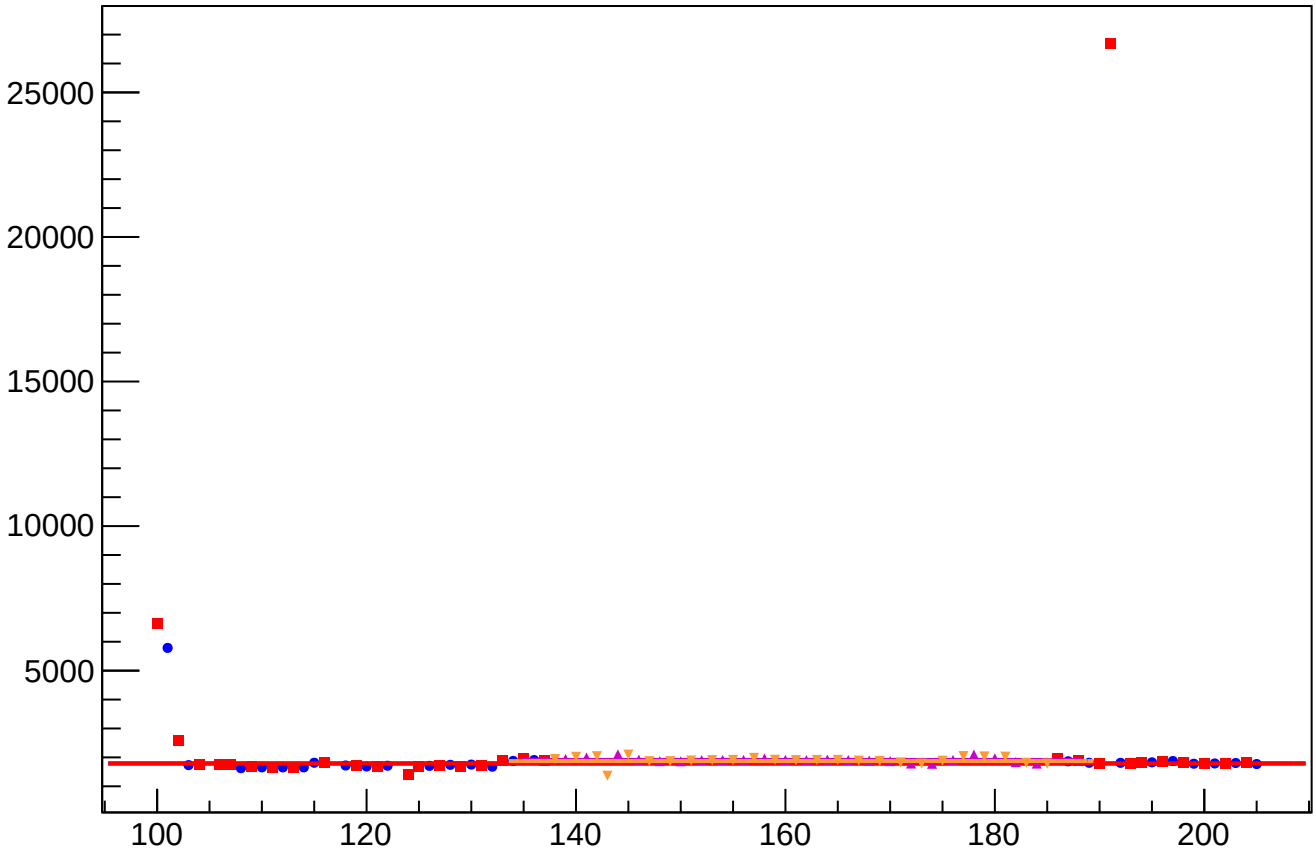
Left: 1955.861+/-308.803 χ^2/NDF: 60.2/47

Right: 2436.872+/-334.996 χ^2/NDF: 43.6/54

In: 2383.508+/-327.796 χ^2/NDF:38.2/47

Out: 1986.214+/-314.801 χ^2/NDF:65.8/54

All: 2176.829+/-227.053 χ^2/NDF: 104.9/102



Right In: 1788.412+/-0.341 χ^2/NDF: 675004.9/24

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

Right Out: 1792.123+/-0.329 χ^2/NDF: 555137.0/29

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

Left: 1891.453+/-0.218 χ^2/NDF: 376533.8/47

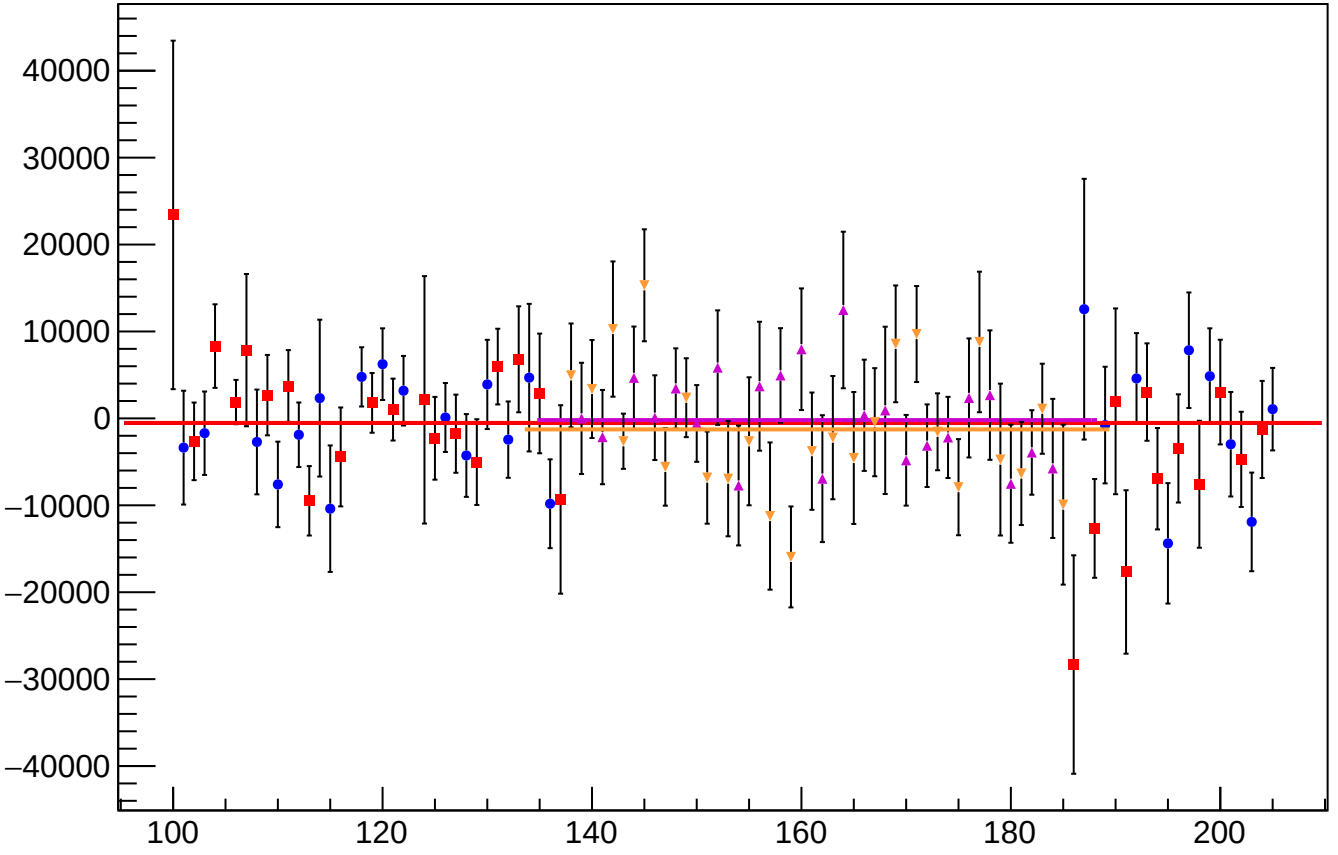
Right: 1790.336+/-0.237 χ^2/NDF: 1230203.3/54

In: 1854.640+/-0.232 χ^2/NDF:804146.4/47

Out: 1836.056+/-0.222 χ^2/NDF:897828.9/54

All: 1844.967+/-0.160 χ^2/NDF: 1705321.5/10

asym_atr1l2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -531.466+/-1031.887 χ^2/NDF: 28.3/24

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -524.189+/-940.530 χ^2/NDF: 36.7/29

Left In: -196.918+/-1234.540 χ^2/NDF:12.7/22

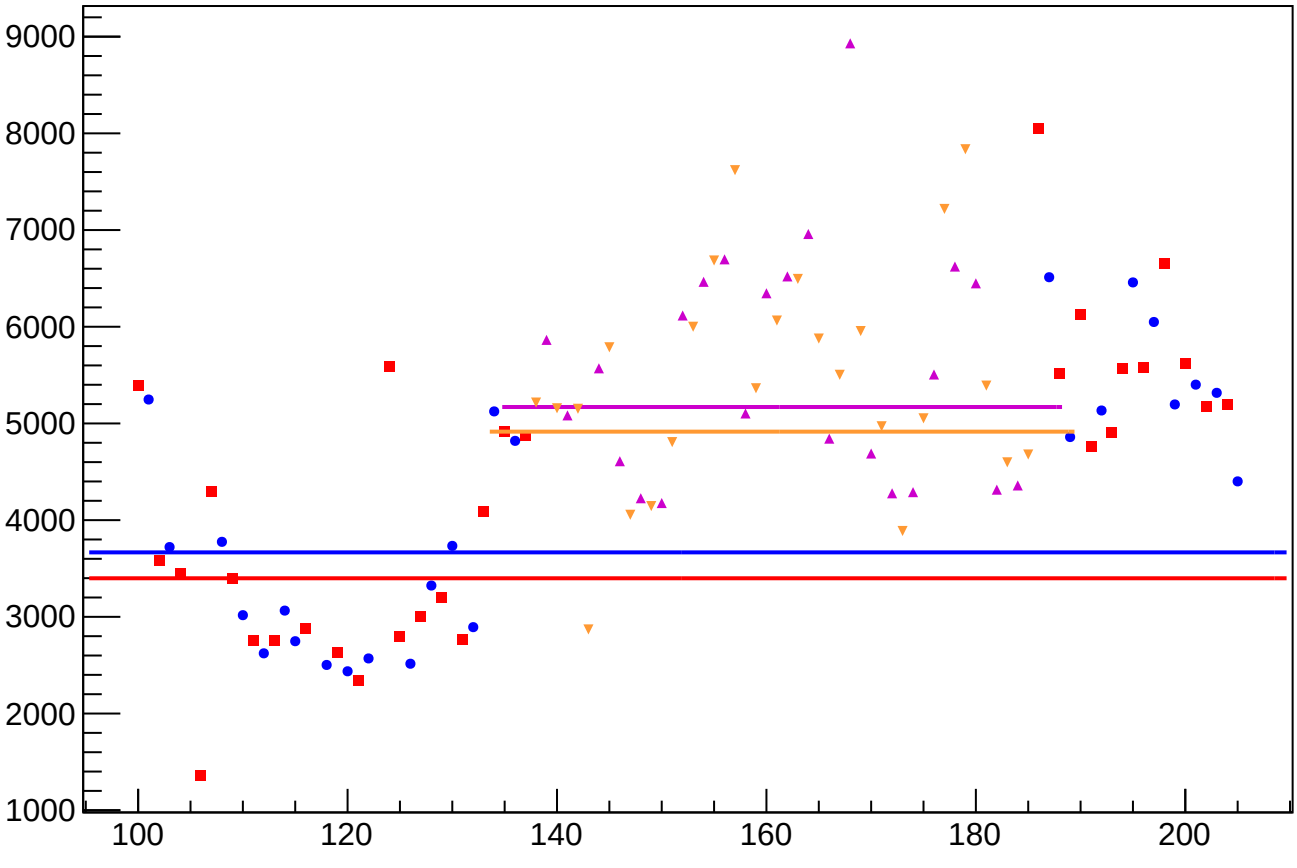
Left: -768.490+/-843.868 χ^2/NDF: 46.5/47

Right: -527.491+/-695.114 χ^2/NDF: 65.0/54

In: -393.868+/-791.738 χ^2/NDF:41.1/47

Out: -821.111+/-729.597 χ^2/NDF:70.4/54

All: -624.912+/-536.528 χ^2/NDF: 111.6/102



Right In: 3666.670+/-0.730 χ^2/NDF: 2727691.6/24

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3398.849+/-0.665 χ^2/NDF: 4495926.4/29

Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

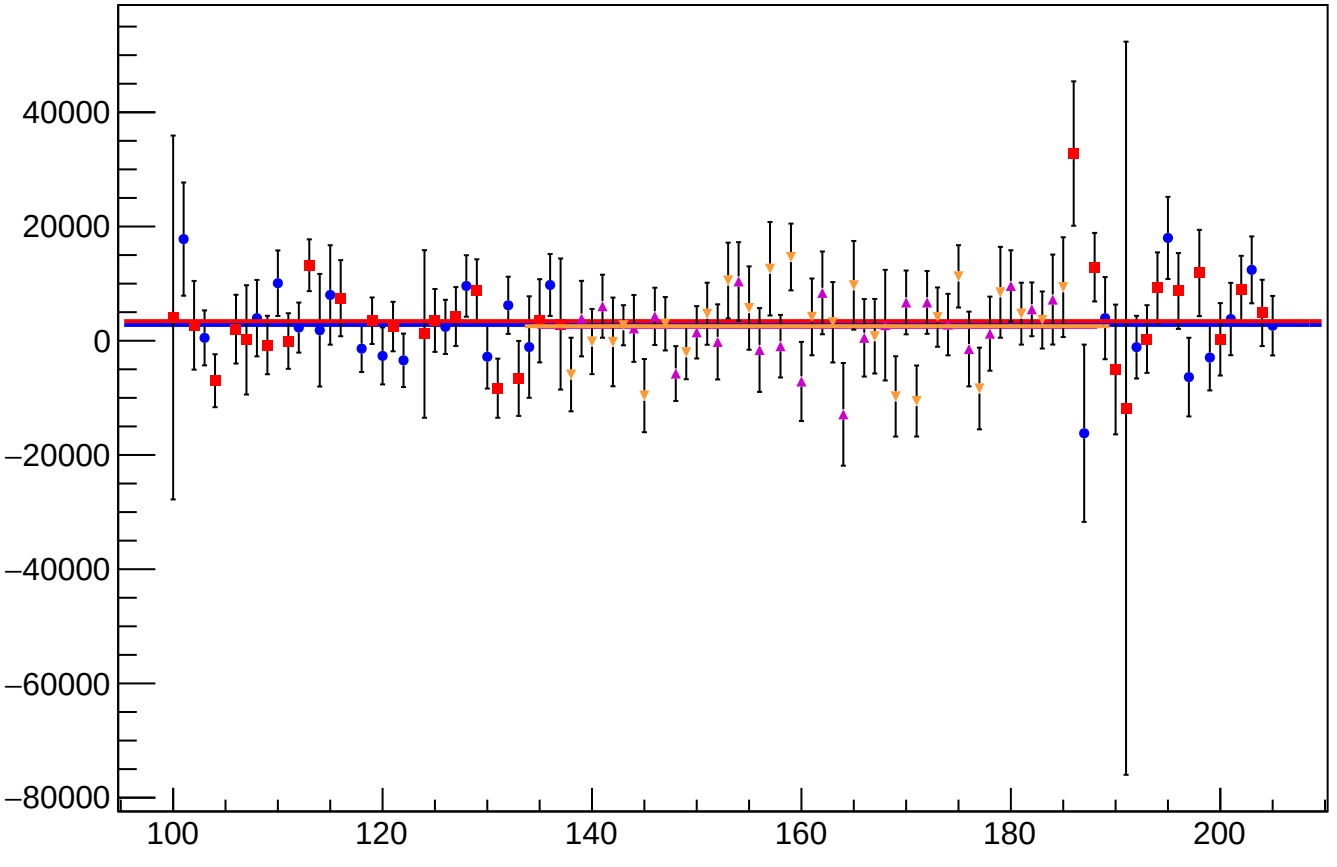
Left: 5034.296+/-0.597 χ^2/NDF: 3560333.0/47

Right: 3520.381+/-0.492 χ^2/NDF: 7297208.7/54

In: 4284.995+/-0.560 χ^2/NDF:5822416.5/47

Out: 4002.747+/-0.516 χ^2/NDF:8732603.3/54

All: 4132.362+/-0.379 χ^2/NDF: 14692470.7/1



Right In: 2773.368+/-1159.833 χ^2/NDF: 25.5/24

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: 3431.467+/-1129.634 χ^2/NDF: 32.7/29

Left In: 2423.016+/-1259.653 χ^2/NDF:15.0/22

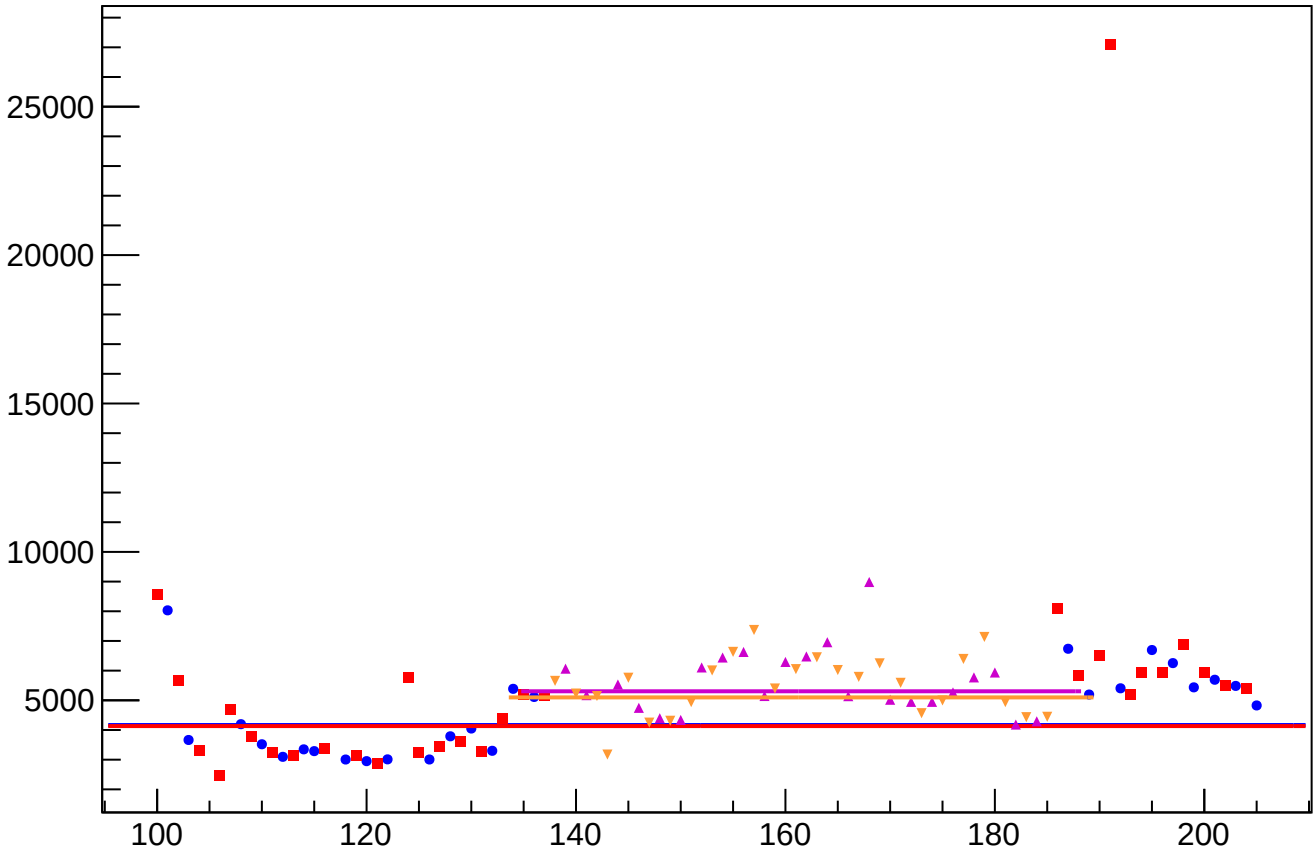
Left: 2488.690+/-864.136 χ^2/NDF: 44.1/47

Right: 3111.097+/-809.238 χ^2/NDF: 58.3/54

In: 2612.622+/-853.236 χ^2/NDF:40.5/47

Out: 3011.404+/-818.520 χ^2/NDF:62.1/54

All: 2820.291+/-590.673 χ^2/NDF: 102.7/102



Right In: 4166.712+/-0.820 χ^2/NDF: 2171952.7/24

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 4131.928+/-0.790 χ^2/NDF: 2894433.5/29

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

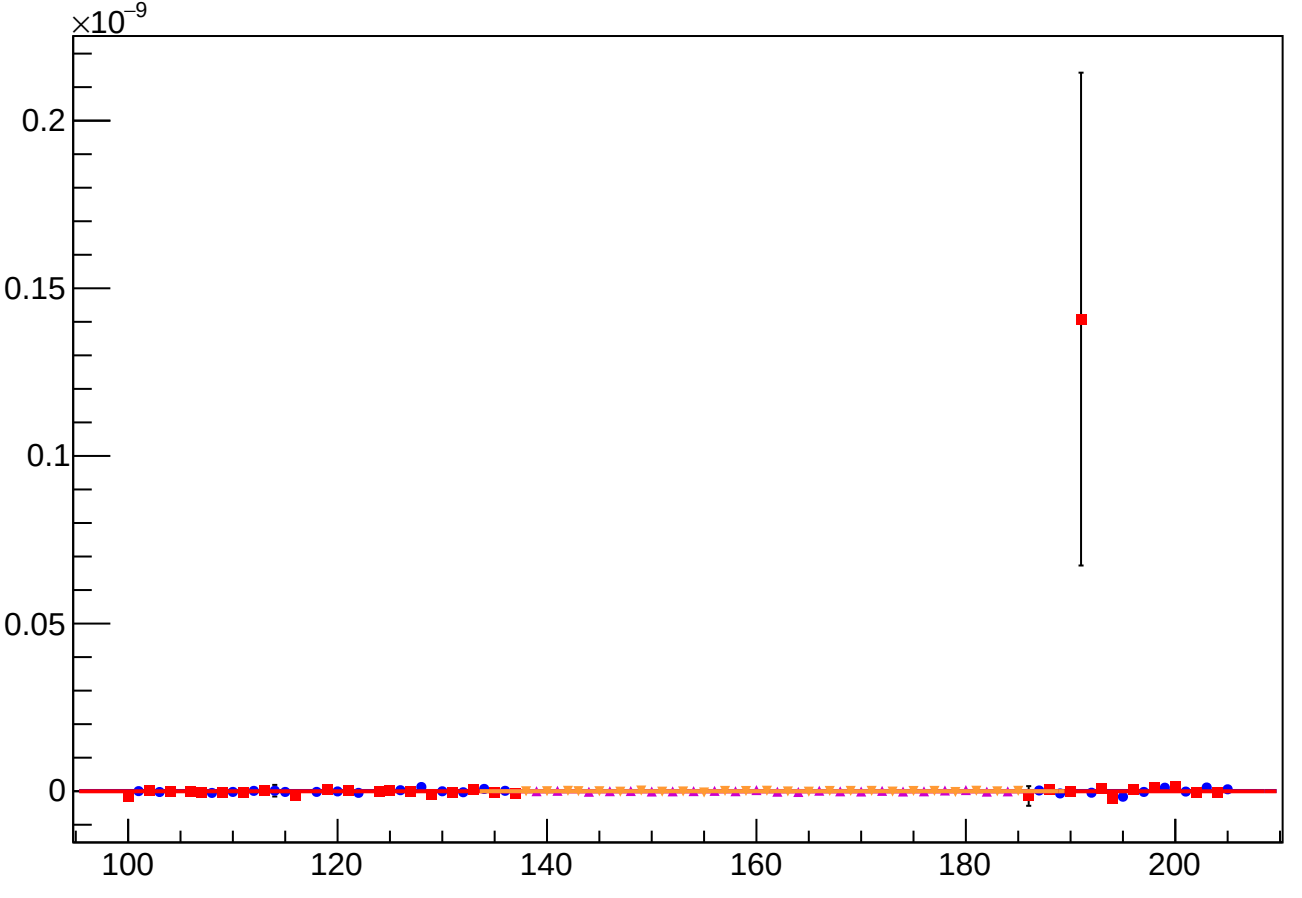
Left: 5195.024+/-0.611 χ^2/NDF: 2590724.7/47

Right: 4148.670+/-0.569 χ^2/NDF: 5067319.3/54

In: 4688.593+/-0.603 χ^2/NDF:4072492.7/47

Out: 4585.467+/-0.575 χ^2/NDF:5140863.4/54

All: 4634.590+/-0.416 χ^2/NDF: 9228655.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 39.3/29

Left In: -0.000+/-0.000 χ^2/NDF:22.9/22

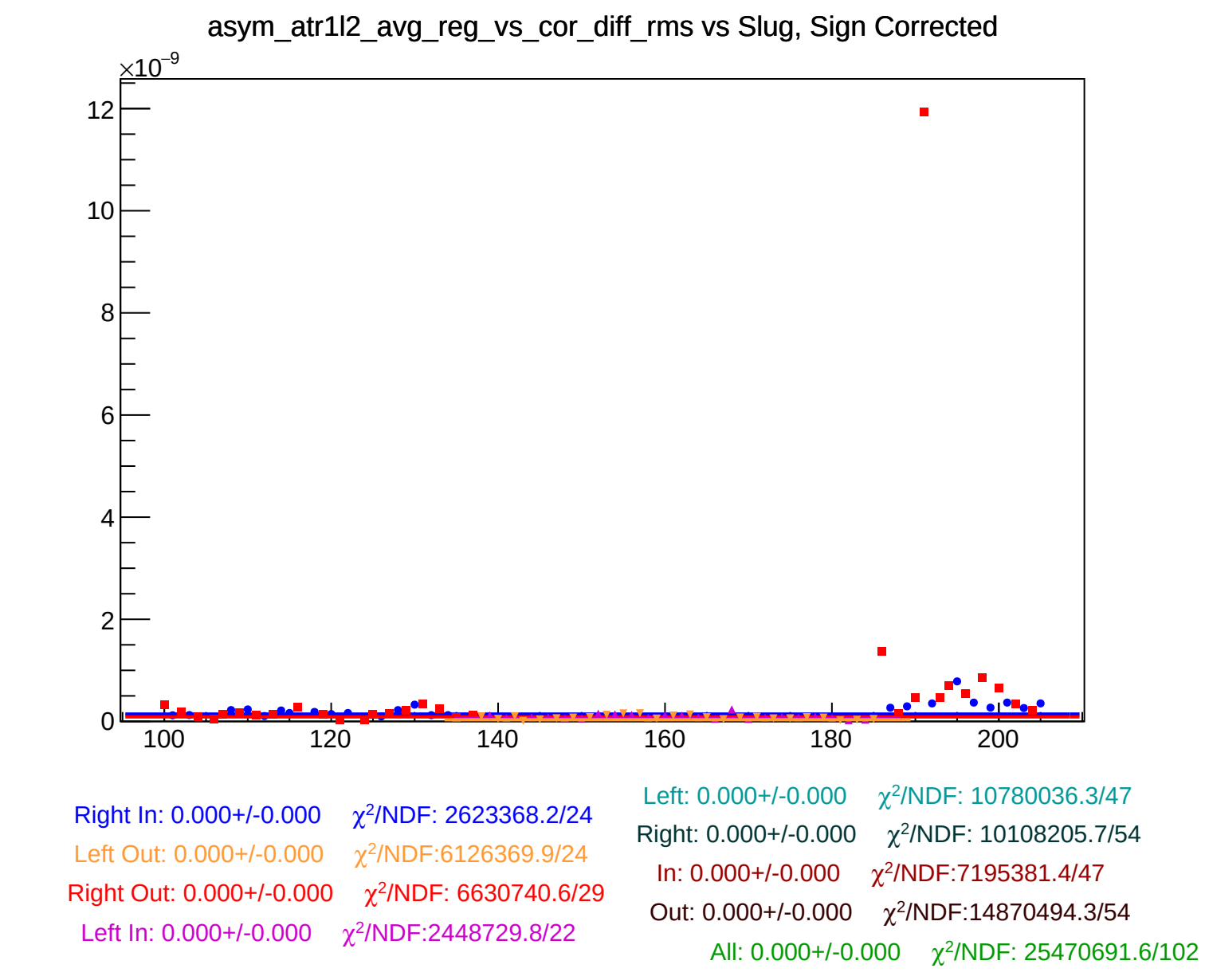
Left: 0.000+/-0.000 χ^2/NDF: 38.2/47

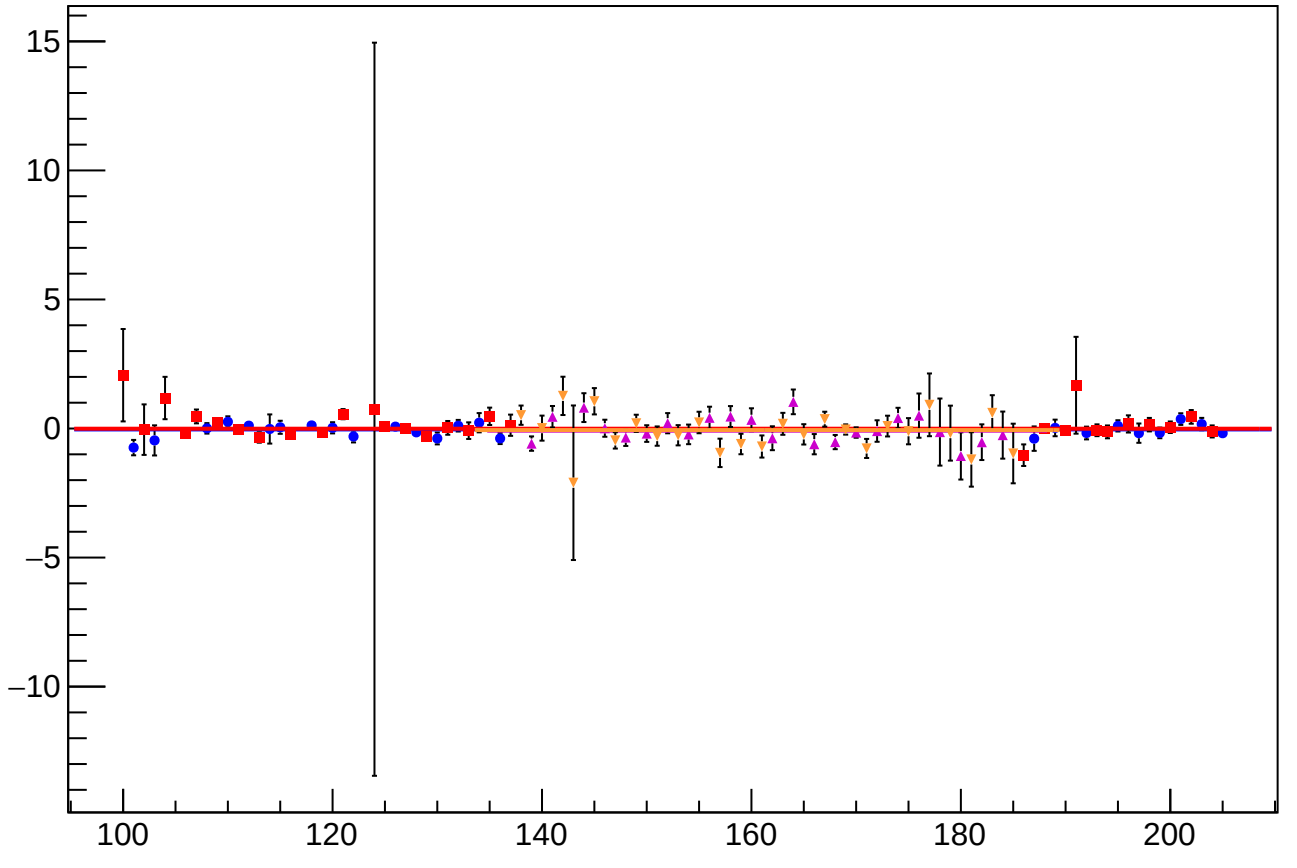
Right: 0.000+/-0.000 χ^2/NDF: 69.6/54

In: 0.000+/-0.000 χ^2/NDF:53.0/47

Out: 0.000+/-0.000 χ^2/NDF:54.8/54

All: 0.000+/-0.000 χ^2/NDF: 107.9/102


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: 2623368.2/24
Left Out: 0.000+/-0.000 χ²/NDF:6126369.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 6630740.6/29
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: 10108205.7/54
In: 0.000+/-0.000 χ²/NDF:7195381.4/47
Out: 0.000+/-0.000 χ²/NDF:14870494.3/54
All: 0.000+/-0.000 χ²/NDF: 25470691.6/102



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

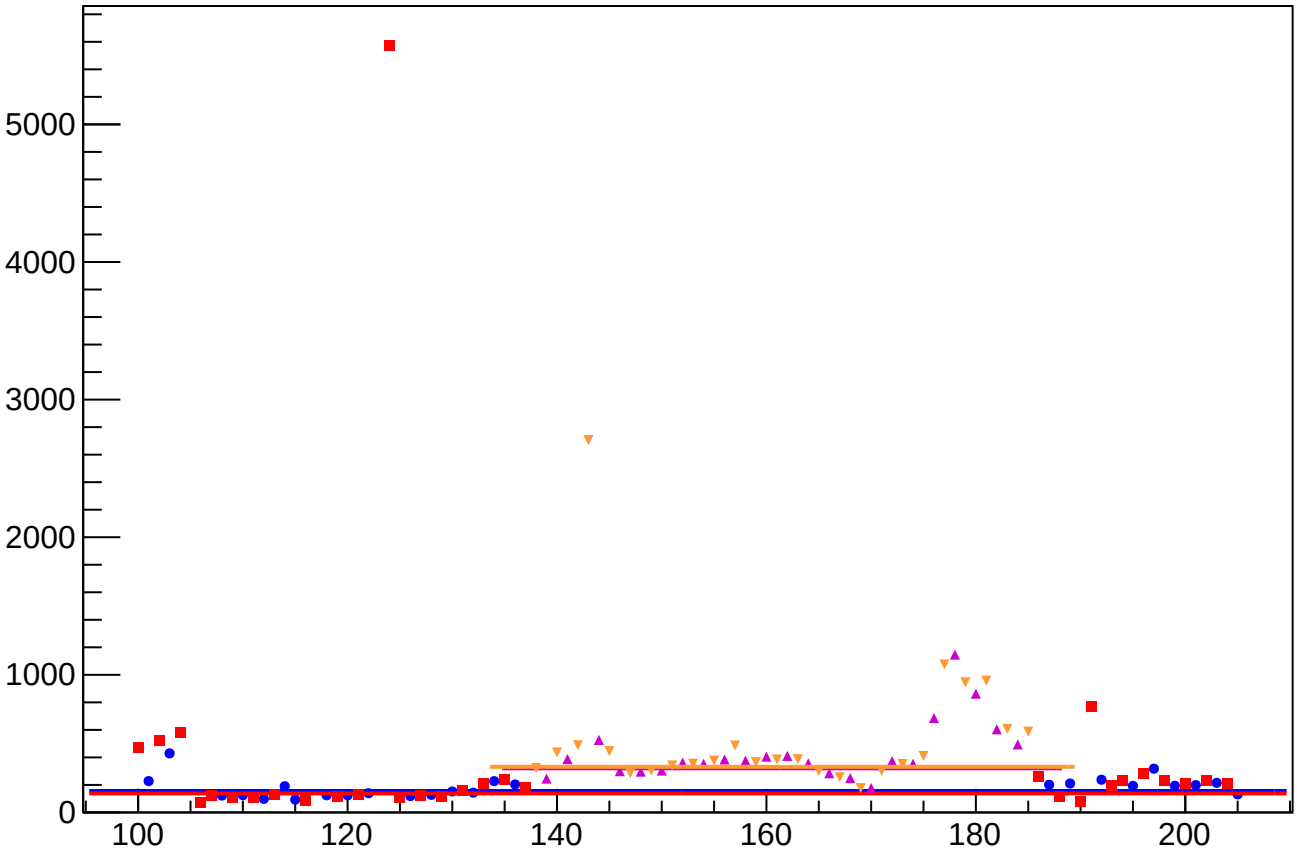
Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

Right: -0.020+/-0.030 χ^2/NDF: 64.8/54

In: -0.047+/-0.040 χ^2/NDF:51.8/47

Out: -0.018+/-0.037 χ^2/NDF:71.1/54

All: -0.031+/-0.027 χ^2/NDF: 123.3/102



Right In: 155.721+/-0.032 χ^2/NDF: 2524136.0/24

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.241+/-0.029 χ^2/NDF: 4801165.5/29

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

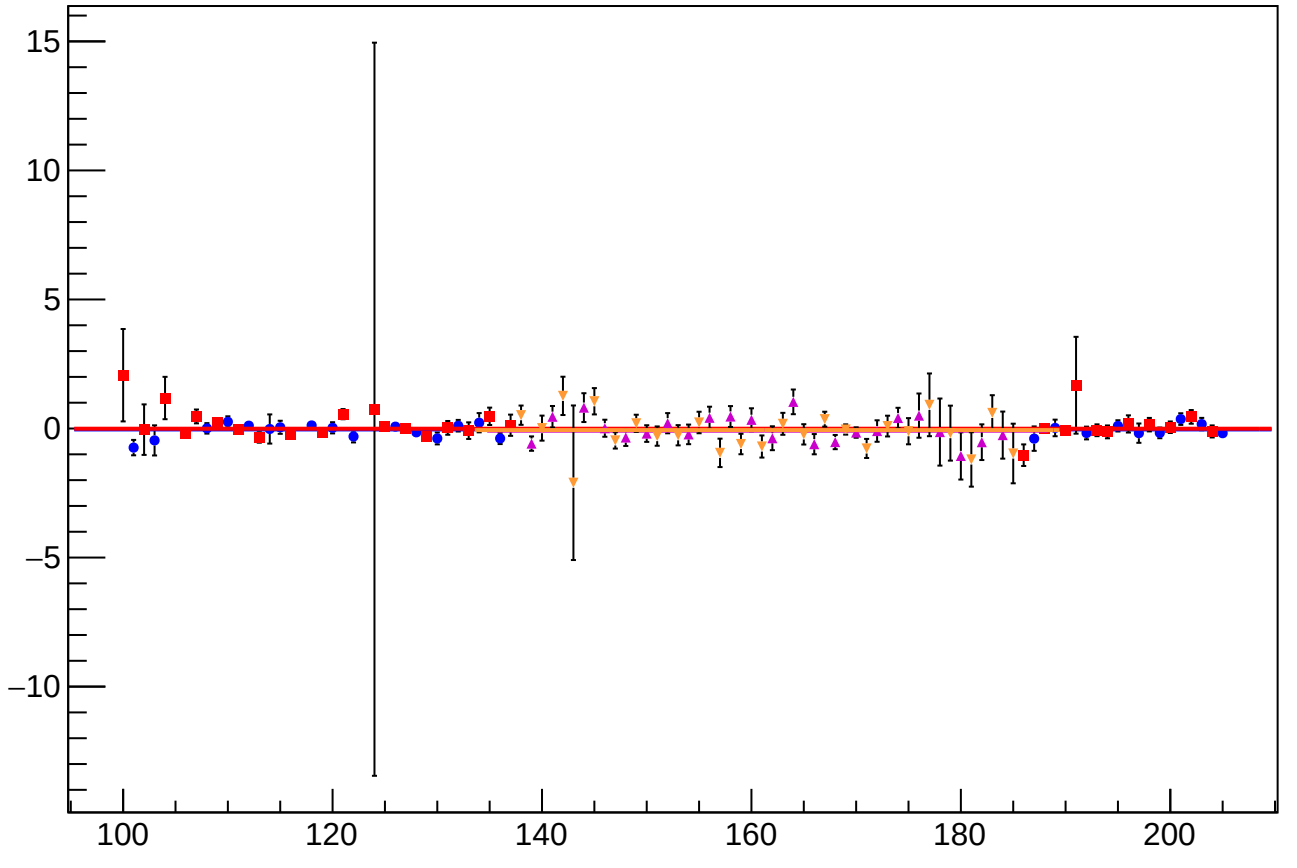
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 145.999+/-0.022 χ^2/NDF: 7487796.5/54

In: 195.505+/-0.028 χ^2/NDF:13049819.3/47

Out: 175.463+/-0.026 χ^2/NDF:19264818.1/54

All: 184.667+/-0.019 χ^2/NDF: 32588322.0/10



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

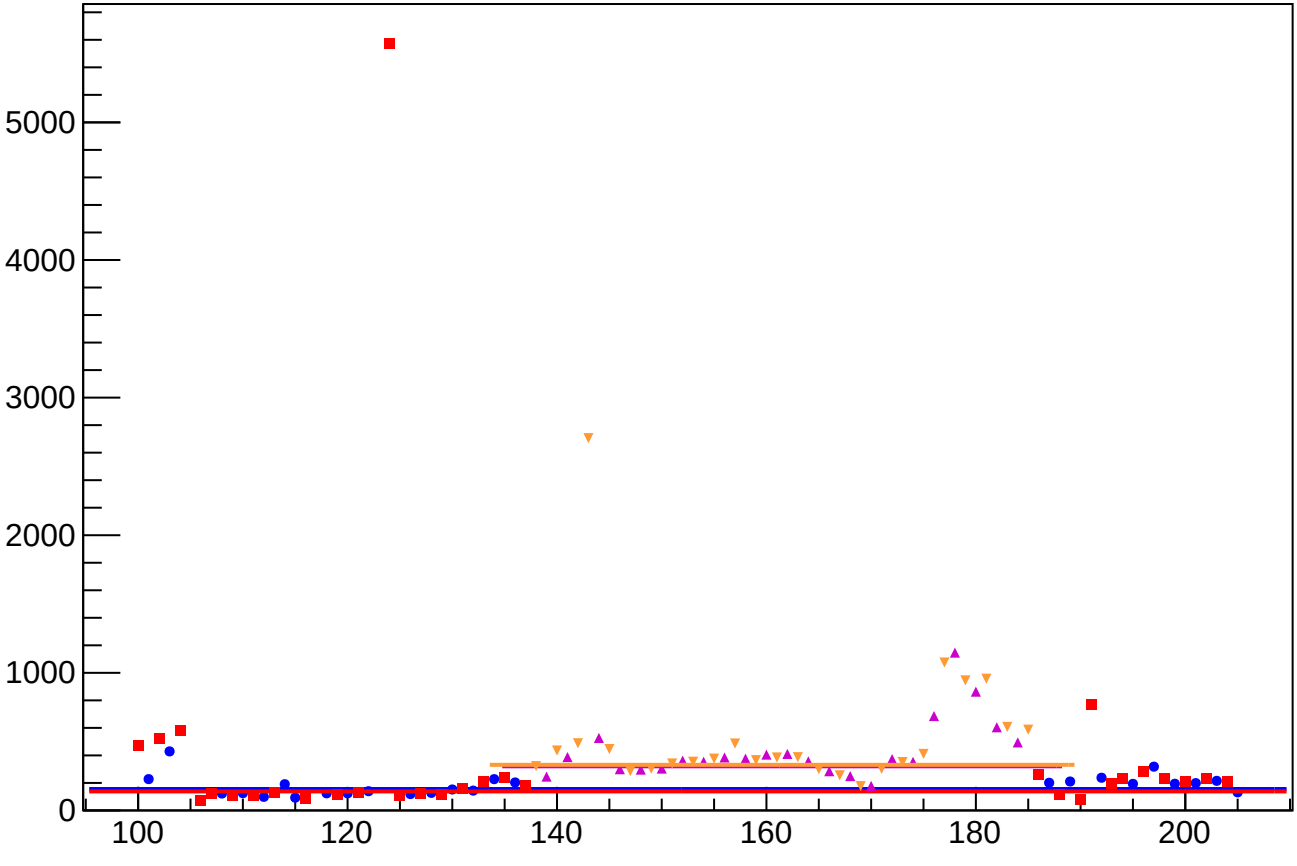
Right: -0.020+/-0.030 χ^2/NDF: 64.8/54

In: -0.047+/-0.040 χ^2/NDF:51.8/47

Out: -0.018+/-0.037 χ^2/NDF:71.1/54

All: -0.031+/-0.027 χ^2/NDF: 123.3/102

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.721+/-0.032 χ^2/NDF: 2524136.0/24

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 138.241+/-0.029 χ^2/NDF: 4801165.5/29

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

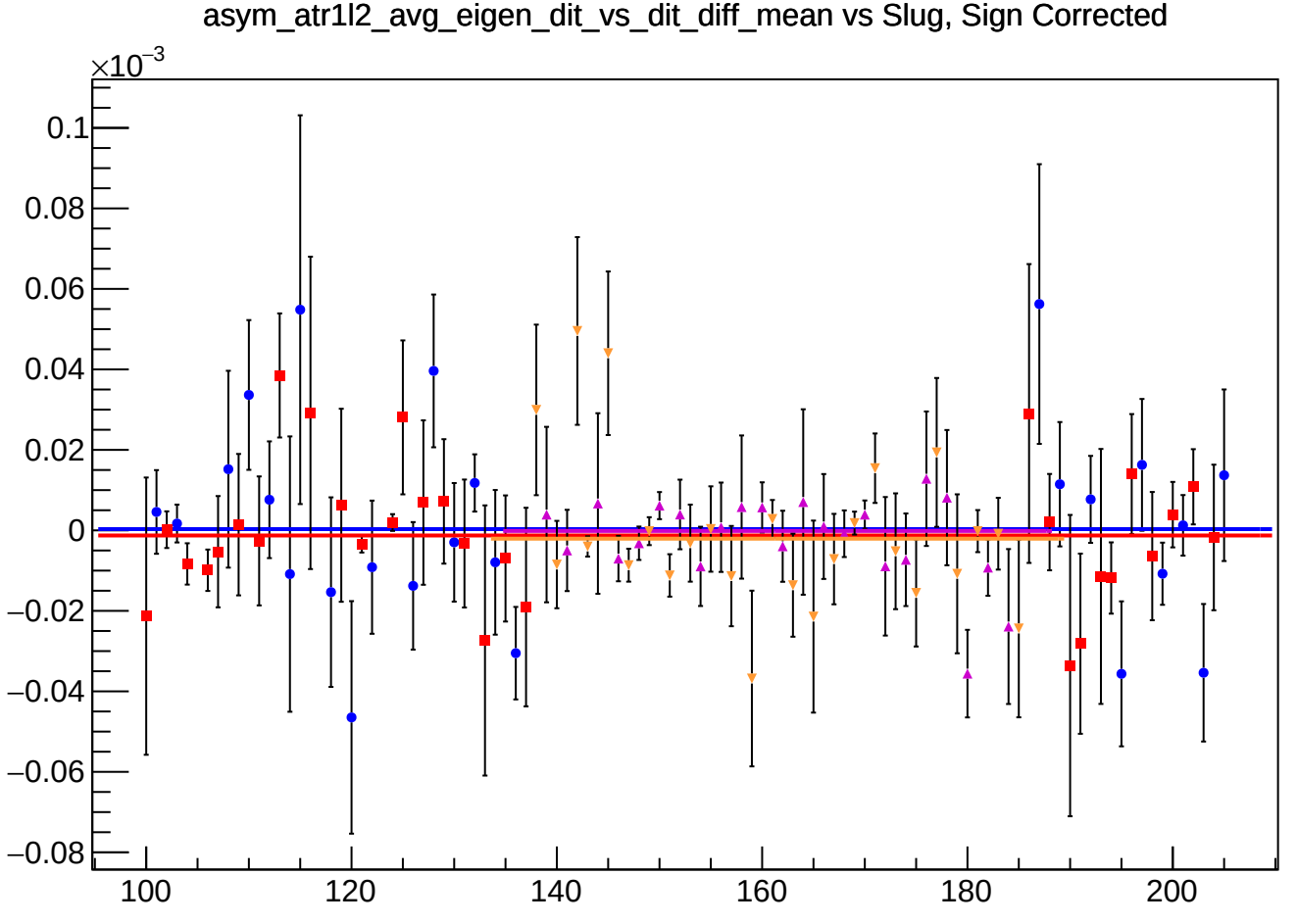
Left: 326.030+/-0.041 χ^2/NDF: 10103882.3/47

Right: 145.999+/-0.022 χ^2/NDF: 7487796.5/54

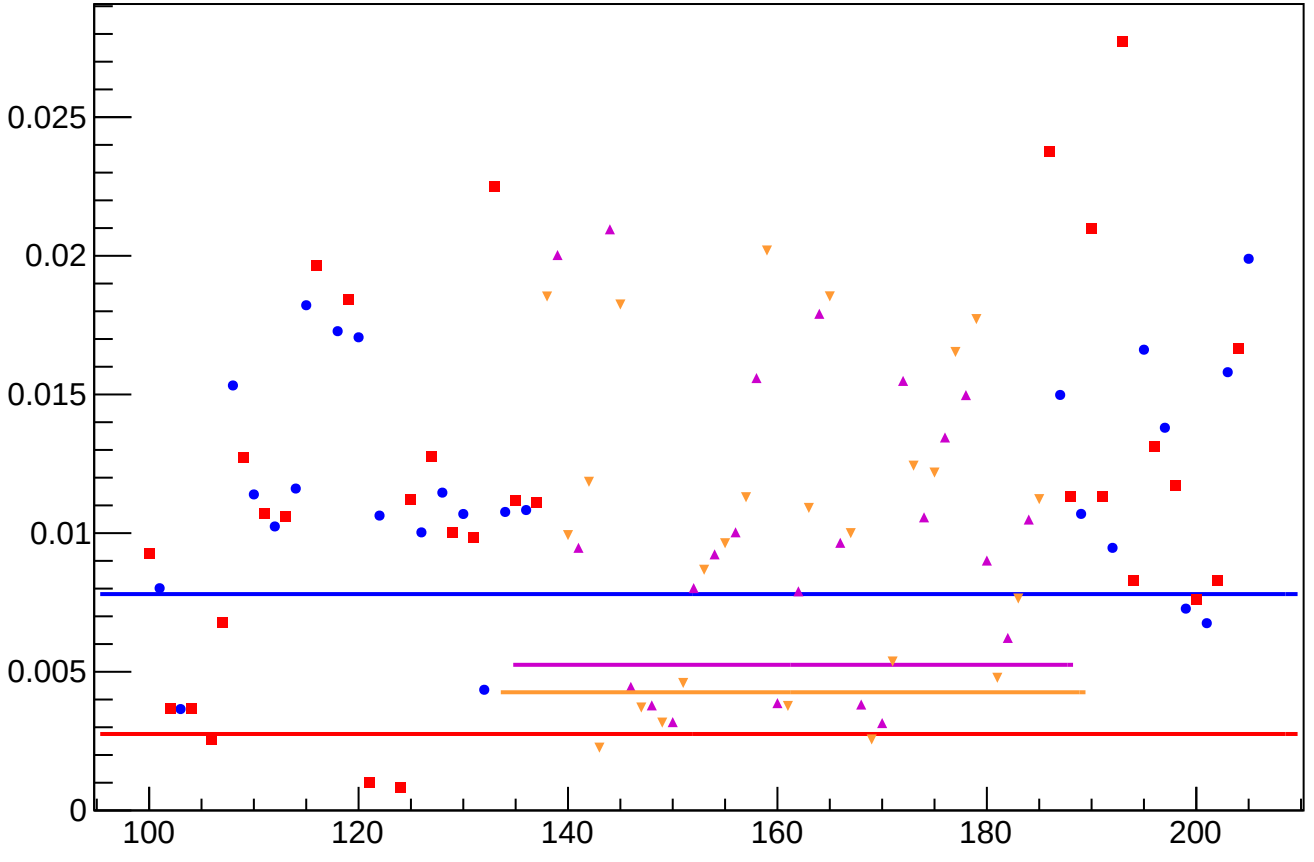
In: 195.505+/-0.028 χ^2/NDF:13049819.3/47

Out: 175.463+/-0.026 χ^2/NDF:19264818.1/54

All: 184.667+/-0.019 χ^2/NDF: 32588322.0/10


asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 39.4/24
Left Out: -0.000+/-0.000 χ²/NDF:34.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.0/29
Left In: -0.000+/-0.000 χ²/NDF:24.9/22
Left: -0.000+/-0.000 χ²/NDF: 60.6/47
Right: -0.000+/-0.000 χ²/NDF: 67.7/54
In: -0.000+/-0.000 χ²/NDF:64.3/47
Out: -0.000+/-0.000 χ²/NDF:63.0/54
All: -0.000+/-0.000 χ²/NDF: 128.4/102

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 5518507.5/24

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 18322357.5/29

Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

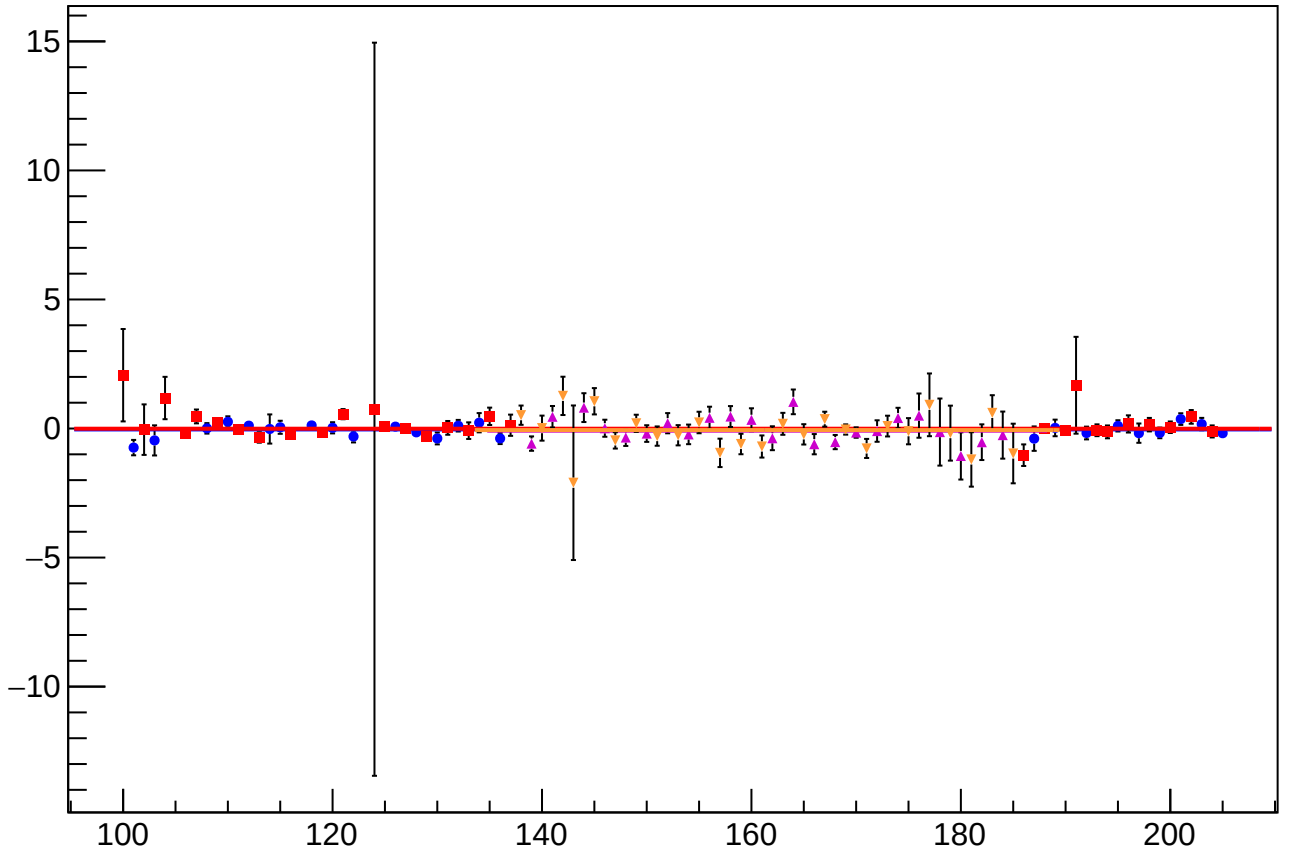
Left: 0.005+/-0.000 χ^2/NDF: 23007822.3/47

Right: 0.004+/-0.000 χ^2/NDF: 30926404.4/54

In: 0.006+/-0.000 χ^2/NDF:16665473.8/47

Out: 0.003+/-0.000 χ^2/NDF:32805815.7/54

All: 0.004+/-0.000 χ^2/NDF: 54702446.3/102



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

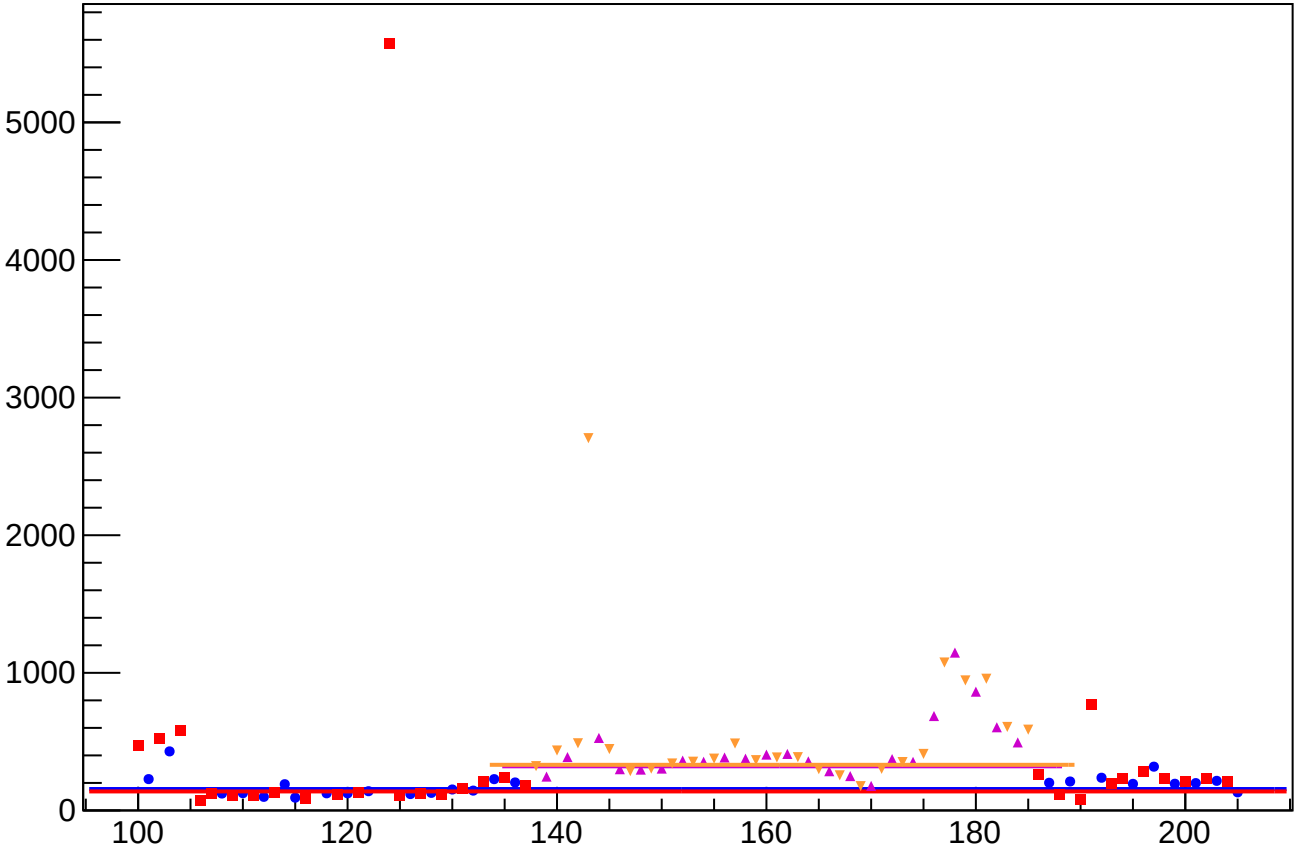
Right: -0.020+/-0.030 χ^2/NDF: 64.8/54

In: -0.047+/-0.040 χ^2/NDF:51.8/47

Out: -0.018+/-0.037 χ^2/NDF:71.1/54

All: -0.031+/-0.027 χ^2/NDF: 123.3/102

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.722+/-0.032 χ^2/NDF: 2524086.5/24

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 138.240+/-0.029 χ^2/NDF: 4801186.6/29

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

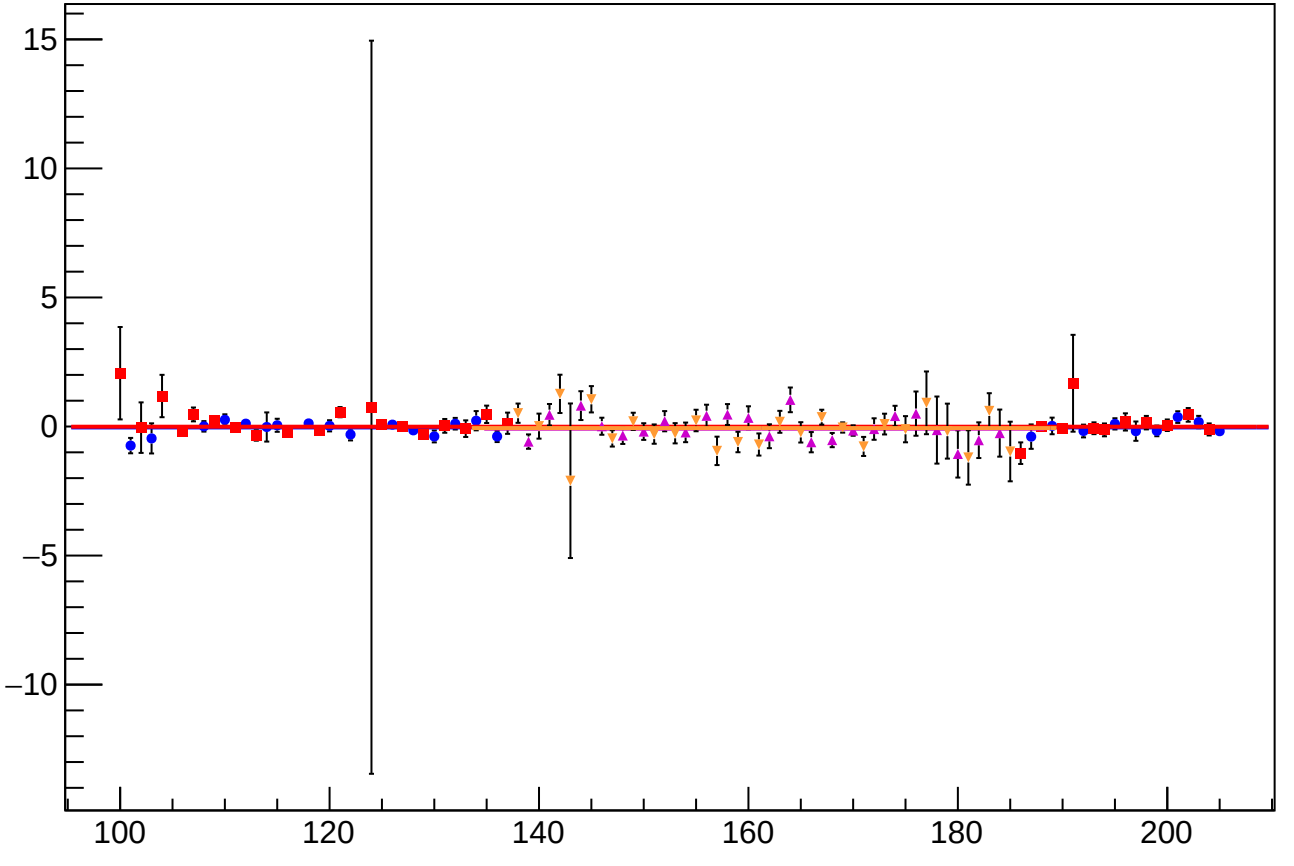
Right: 145.999+/-0.022 χ^2/NDF: 7487784.0/54

In: 195.506+/-0.028 χ^2/NDF:13049853.8/47

Out: 175.462+/-0.026 χ^2/NDF:19265010.1/54

All: 184.667+/-0.019 χ^2/NDF: 32588574.2/10

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.008+/-0.041 χ^2/NDF: 40.0/29

Left In: -0.084+/-0.081 χ^2/NDF:27.0/22

Left: -0.073+/-0.058 χ^2/NDF: 57.8/47

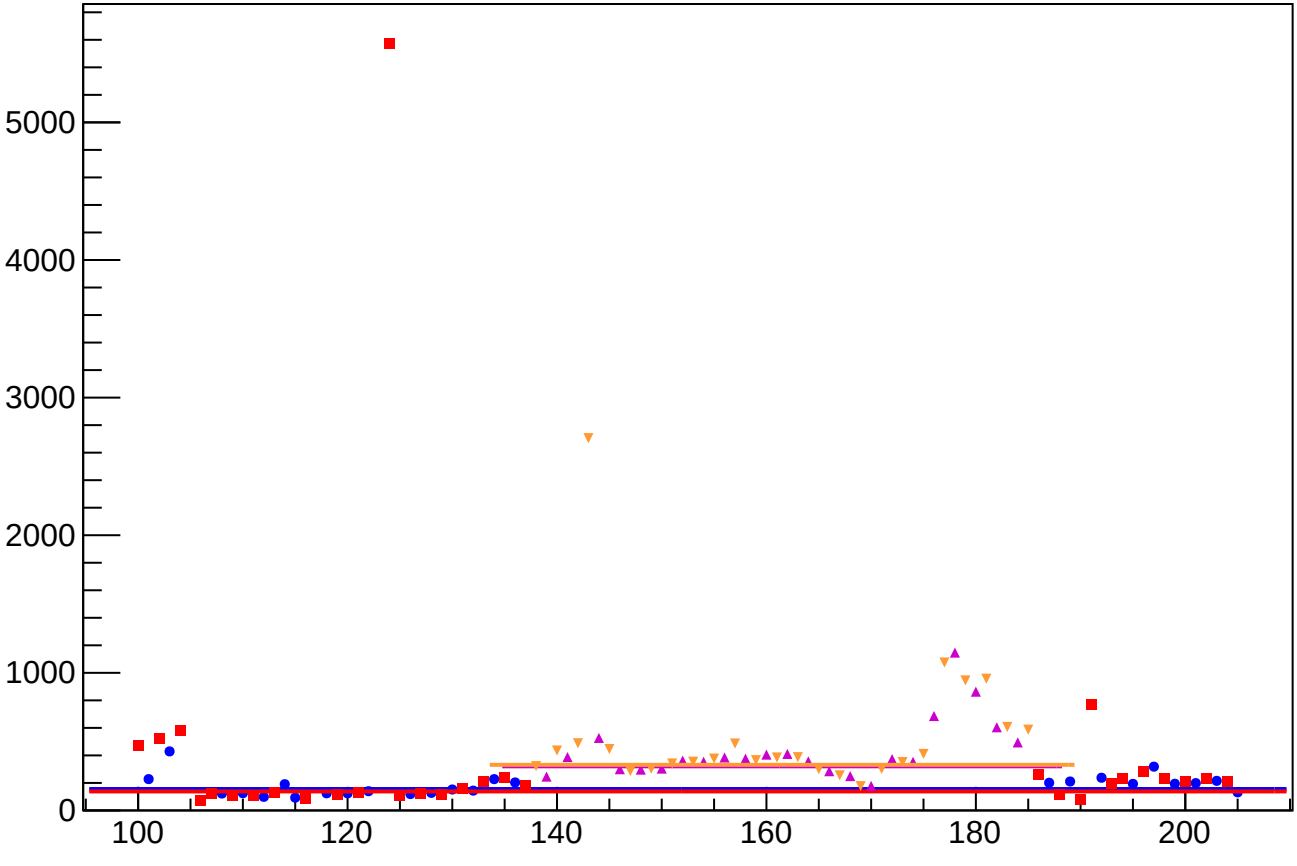
Right: -0.020+/-0.030 χ^2/NDF: 64.8/54

In: -0.047+/-0.040 χ^2/NDF:51.8/47

Out: -0.018+/-0.037 χ^2/NDF:71.1/54

All: -0.031+/-0.027 χ^2/NDF: 123.3/102

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 155.722+/-0.032 χ^2/NDF: 2524086.5/24

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 138.240+/-0.029 χ^2/NDF: 4801186.6/29

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

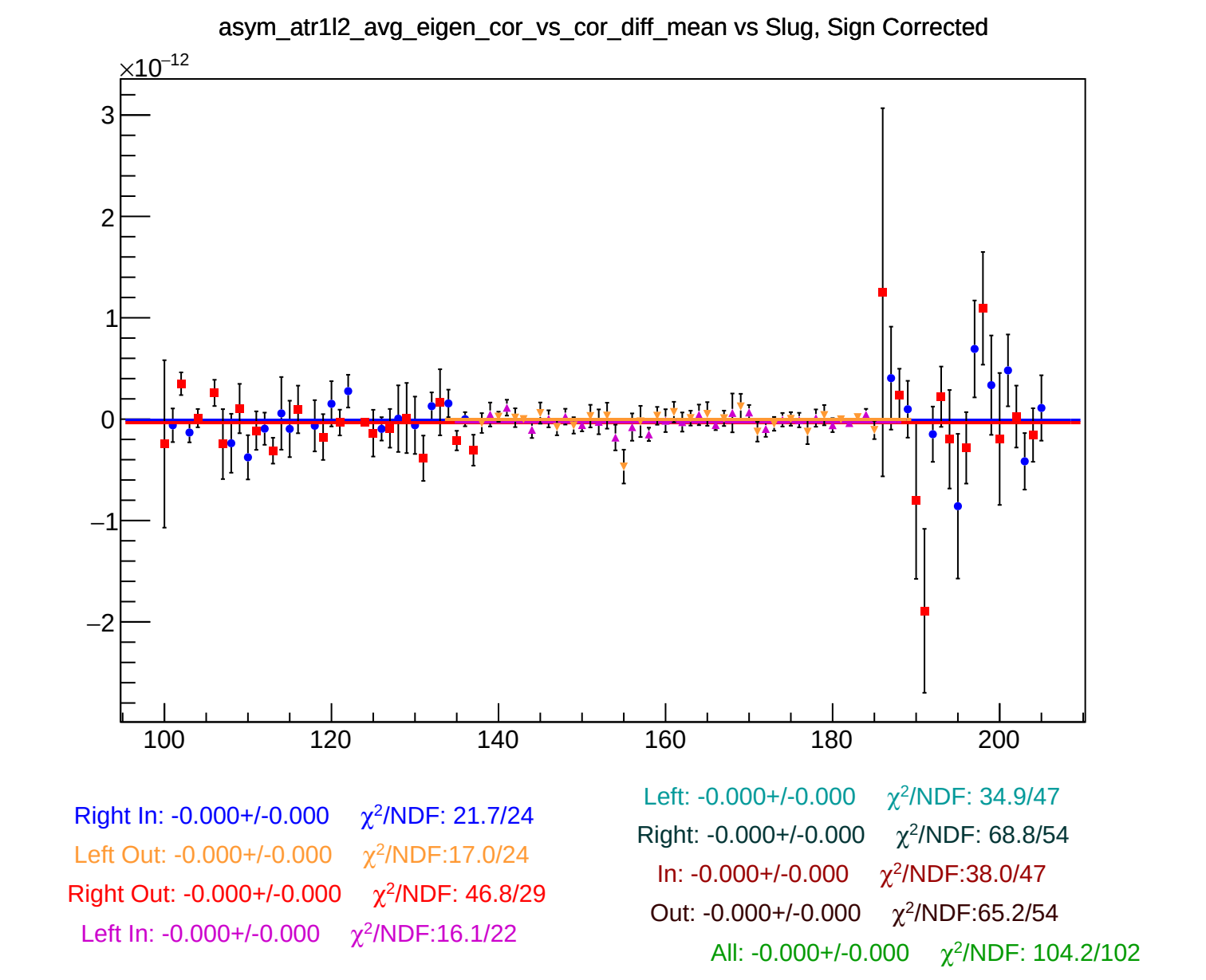
Left: 326.033+/-0.041 χ^2/NDF: 10103935.7/47

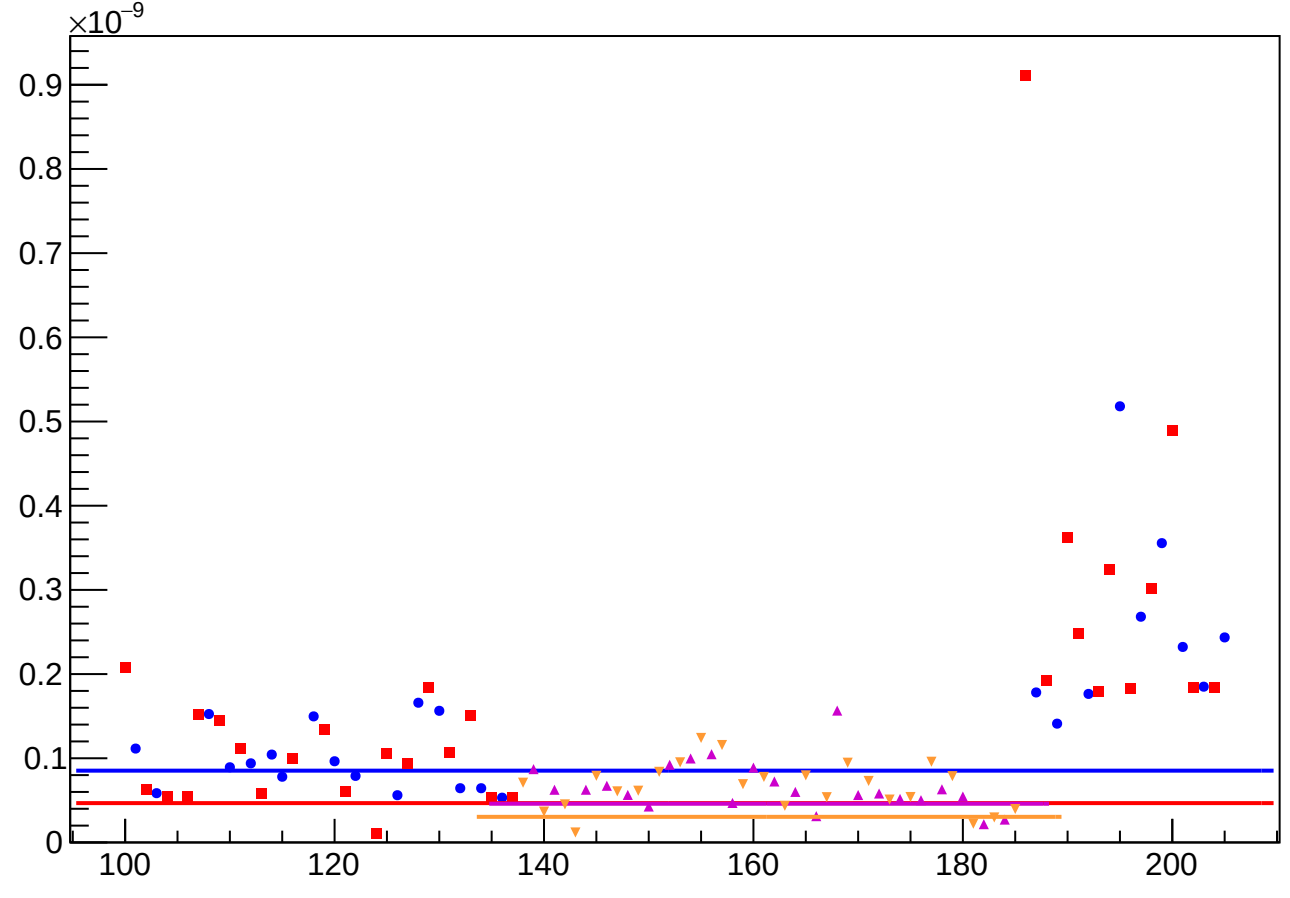
Right: 145.999+/-0.022 χ^2/NDF: 7487784.0/54

In: 195.506+/-0.028 χ^2/NDF:13049853.8/47

Out: 175.462+/-0.026 χ^2/NDF:19265010.1/54

All: 184.667+/-0.019 χ^2/NDF: 32588574.2/10


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.7/24
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 46.8/29
Left In: -0.000+/-0.000 χ²/NDF:16.1/22
Left: -0.000+/-0.000 χ²/NDF: 34.9/47
Right: -0.000+/-0.000 χ²/NDF: 68.8/54
In: -0.000+/-0.000 χ²/NDF:38.0/47
Out: -0.000+/-0.000 χ²/NDF:65.2/54
All: -0.000+/-0.000 χ²/NDF: 104.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 4442149.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9658325.8/29

Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

Left: 0.000+/-0.000 χ^2/NDF: 16912386.2/47

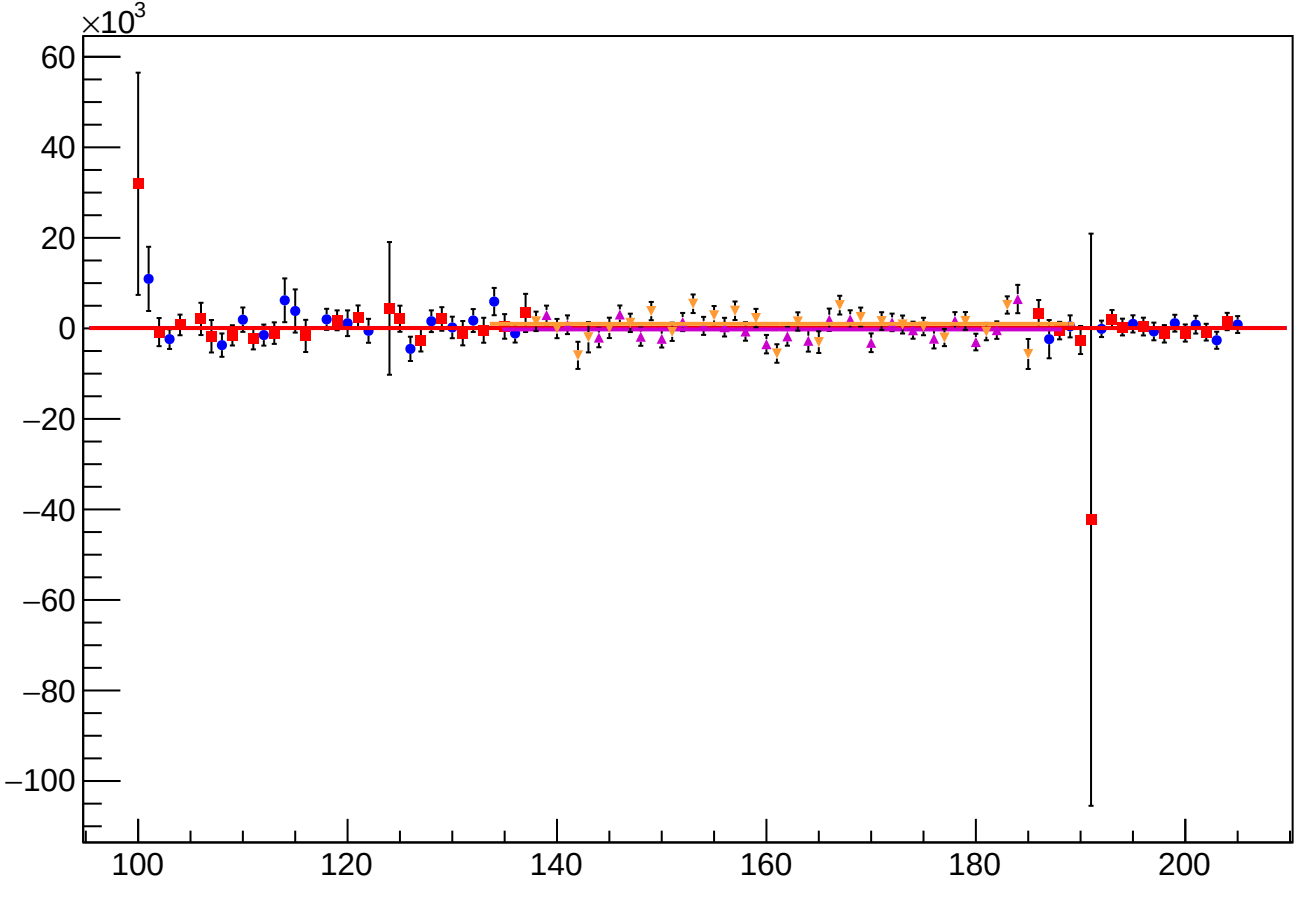
Right: 0.000+/-0.000 χ^2/NDF: 15682450.6/54

In: 0.000+/-0.000 χ^2/NDF:11437512.6/47

Out: 0.000+/-0.000 χ^2/NDF:20901634.6/54

All: 0.000+/-0.000 χ^2/NDF: 34834238.6/102

reg_asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: 89.564+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.662+/-460.466 χ^2/NDF: 13.9/29

Left In: -229.321+/-429.699 χ^2/NDF:26.4/22

Left: 397.721+/-301.295 χ^2/NDF: 77.9/47

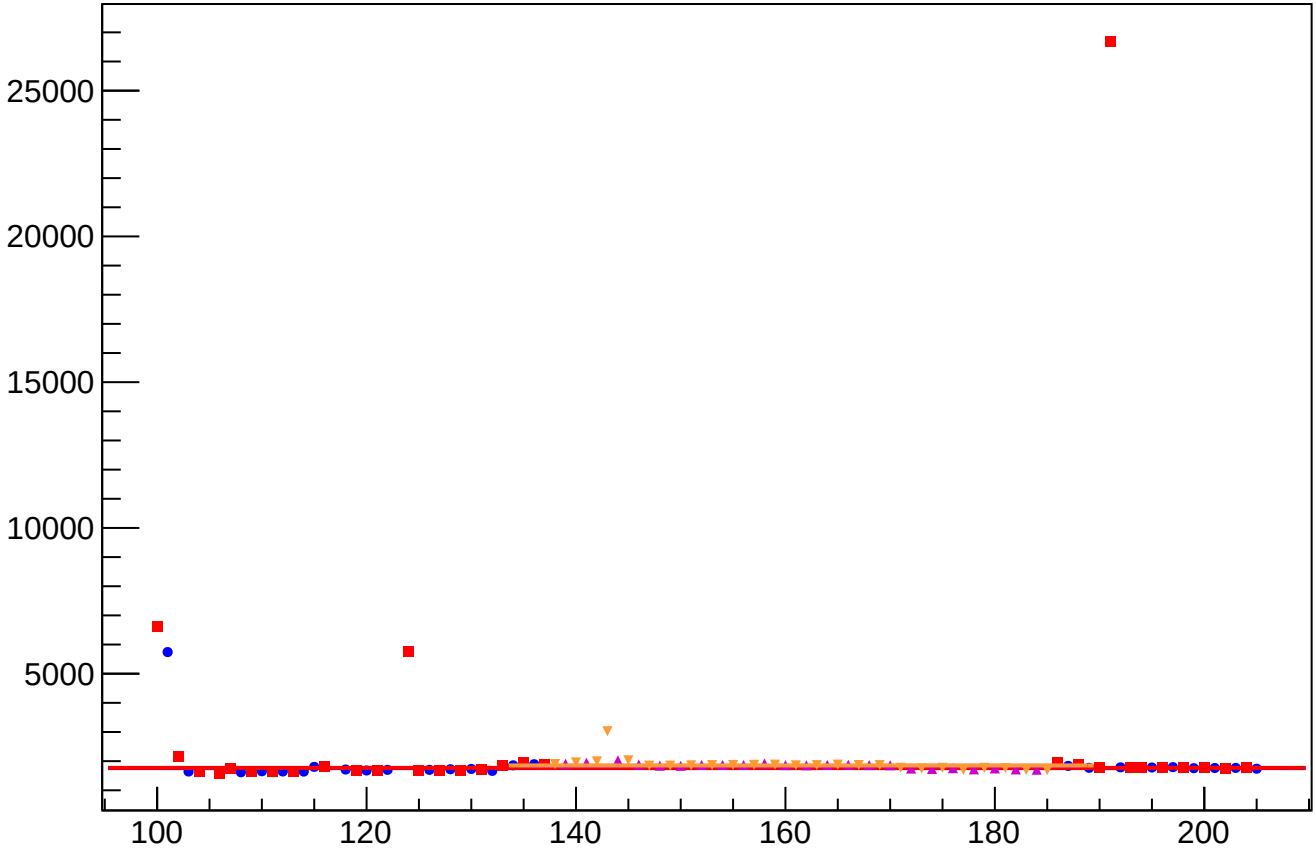
Right: 78.273+/-330.612 χ^2/NDF: 35.0/54

In: -85.801+/-318.653 χ^2/NDF:47.7/47

Out: 576.016+/-311.344 χ^2/NDF:63.5/54

All: 252.786+/-222.693 χ^2/NDF: 113.4/102

reg_asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 1761.042+/-0.336 χ^2/NDF: 672330.2/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1768.694+/-0.324 χ^2/NDF: 638227.8/29

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

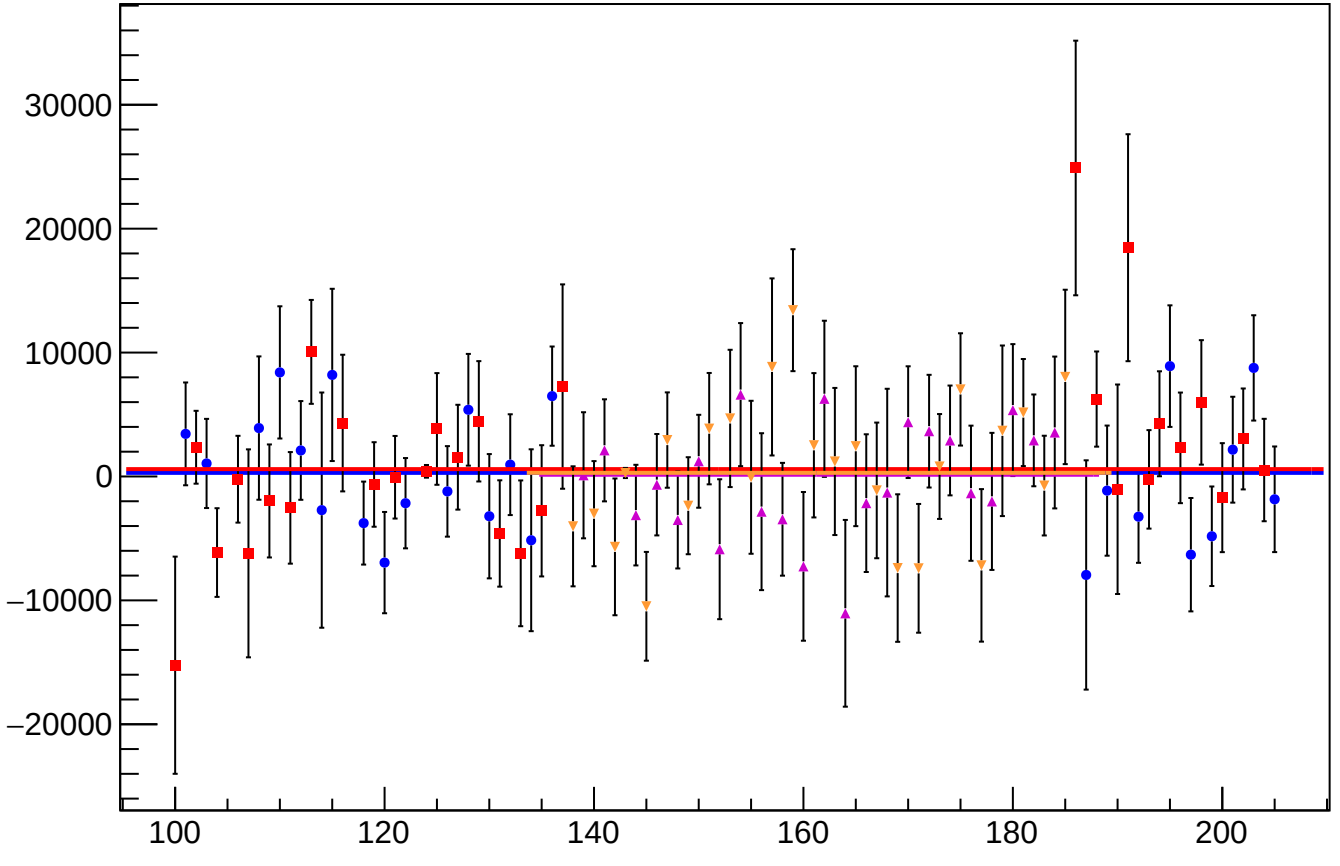
Right: 1765.001+/-0.233 χ^2/NDF: 1310826.6/54

In: 1803.654+/-0.225 χ^2/NDF:770078.8/47

Out: 1814.052+/-0.220 χ^2/NDF:995399.9/54

All: 1808.982+/-0.157 χ^2/NDF: 1766570.2/10

asym_atr1l2_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 291.126+/-890.461 χ^2/NDF: 27.8/24

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: 593.602+/-436.400 χ^2/NDF: 33.9/29

Left In: 138.350+/-1022.943 χ^2/NDF:13.9/22

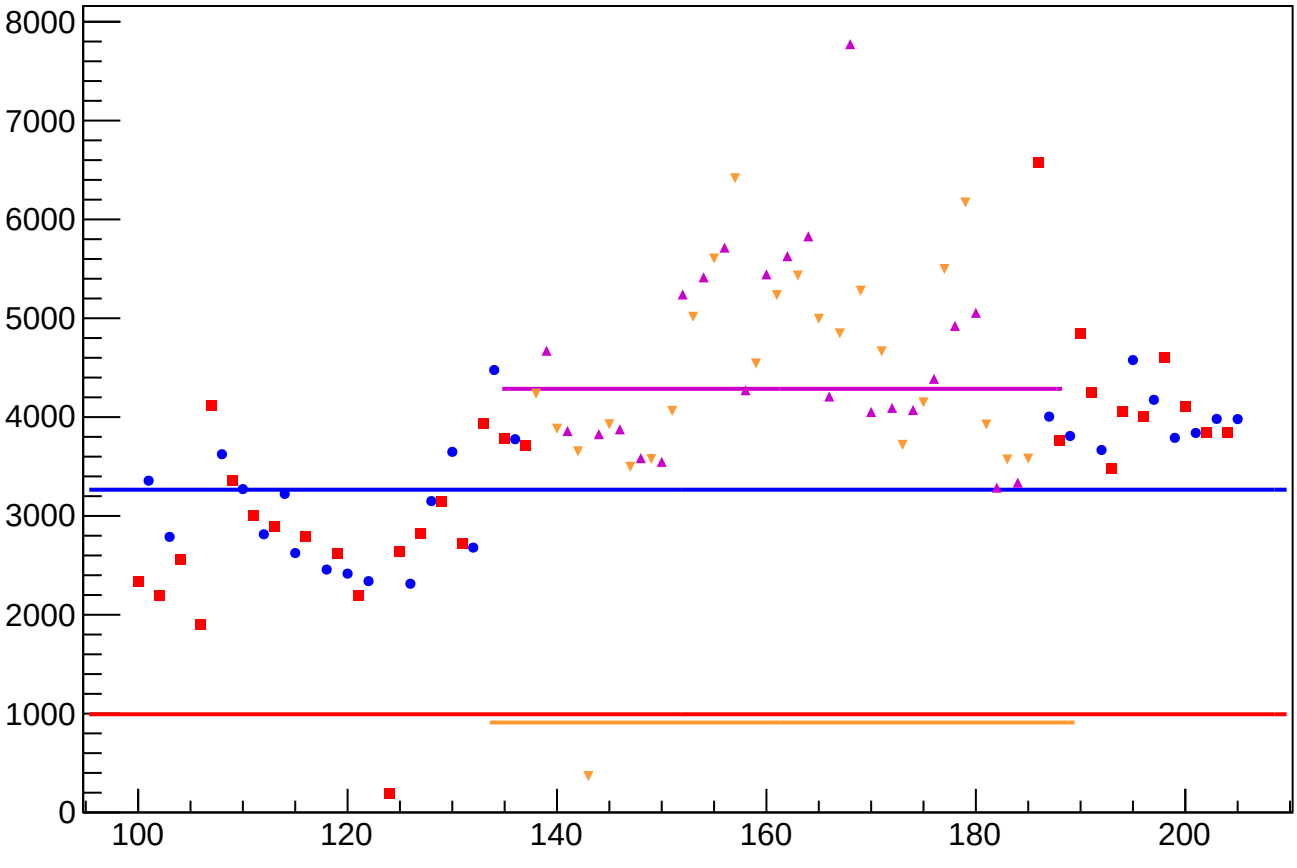
Left: 275.490+/-356.152 χ^2/NDF: 43.9/47

Right: 535.023+/-391.870 χ^2/NDF: 61.8/54

In: 225.266+/-671.639 χ^2/NDF:41.8/47

Out: 423.403+/-286.547 χ^2/NDF:64.2/54

All: 392.892+/-263.562 χ^2/NDF: 106.0/102



Right In: 3265.524+/-0.630 χ^2/NDF: 1157771.1/24

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 993.484+/-0.309 χ^2/NDF: 20038702.8/29

Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

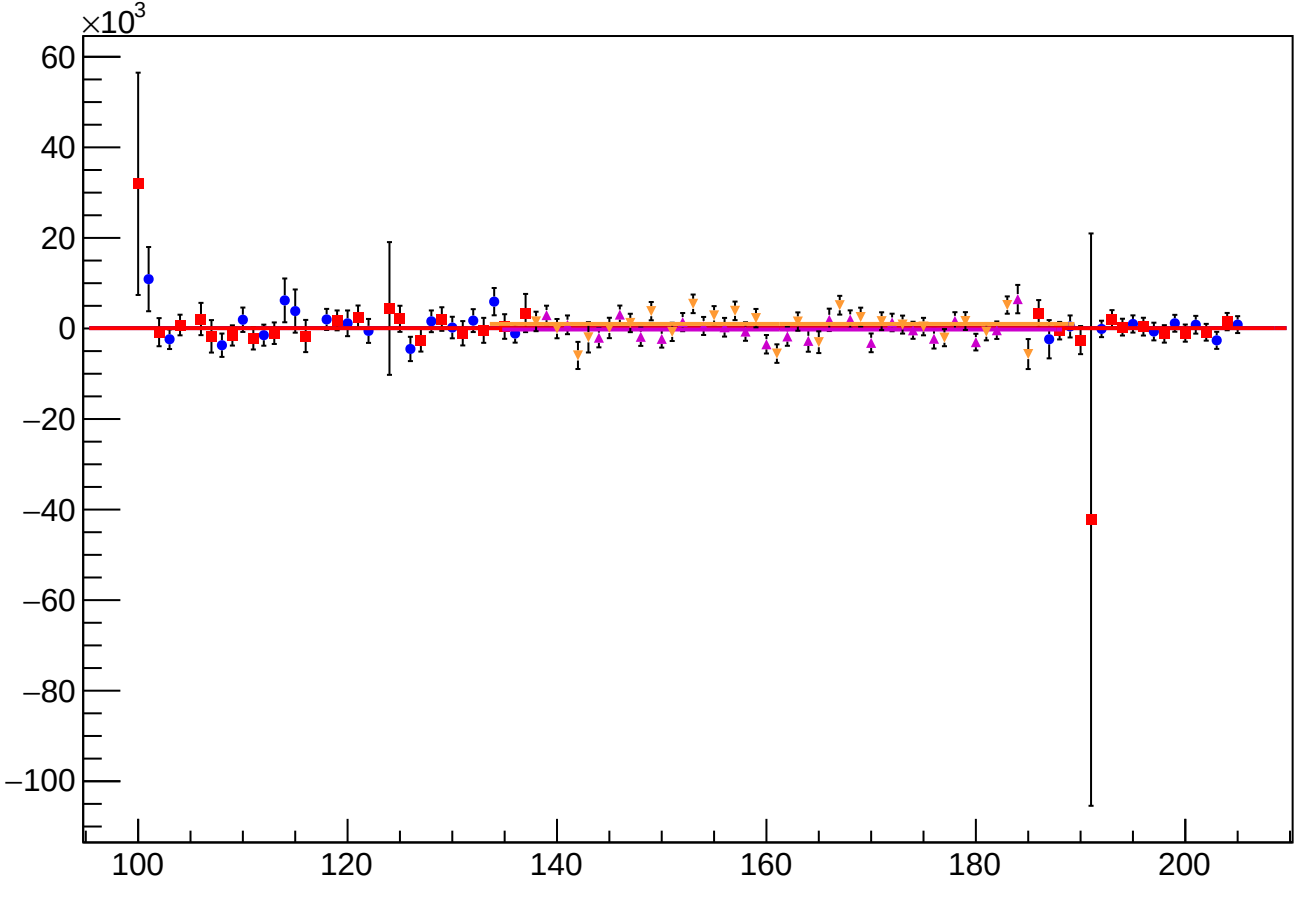
Left: 1319.331+/-0.252 χ^2/NDF: 47241855.7/47

Right: 1433.502+/-0.277 χ^2/NDF: 31695444.0/54

In: 3705.373+/-0.475 χ^2/NDF:3617695.8/47

Out: 946.070+/-0.203 χ^2/NDF:46854327.7/54

All: 1370.977+/-0.186 χ^2/NDF: 79030271.6/1



Right In: 89.412+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.637+/-460.466 χ^2/NDF: 13.9/29

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

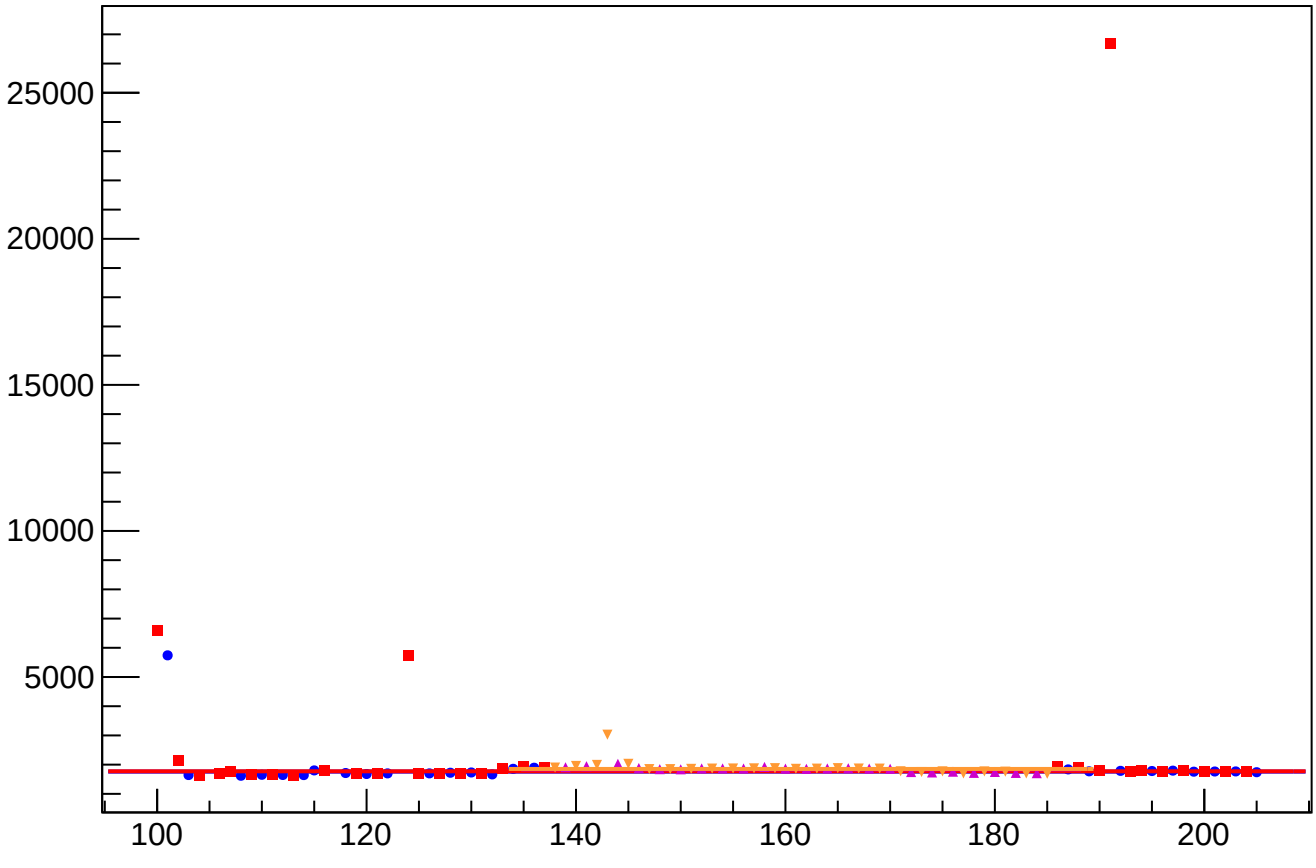
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 78.187+/-330.612 χ^2/NDF: 35.0/54

In: -85.823+/-318.653 χ^2/NDF:47.7/47

Out: 575.983+/-311.344 χ^2/NDF:63.5/54

All: 252.758+/-222.693 χ^2/NDF: 113.4/102



Right In: 1761.041+/-0.336 χ^2/NDF: 672330.4/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.122+/-0.325 χ^2/NDF: 629883.8/29

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

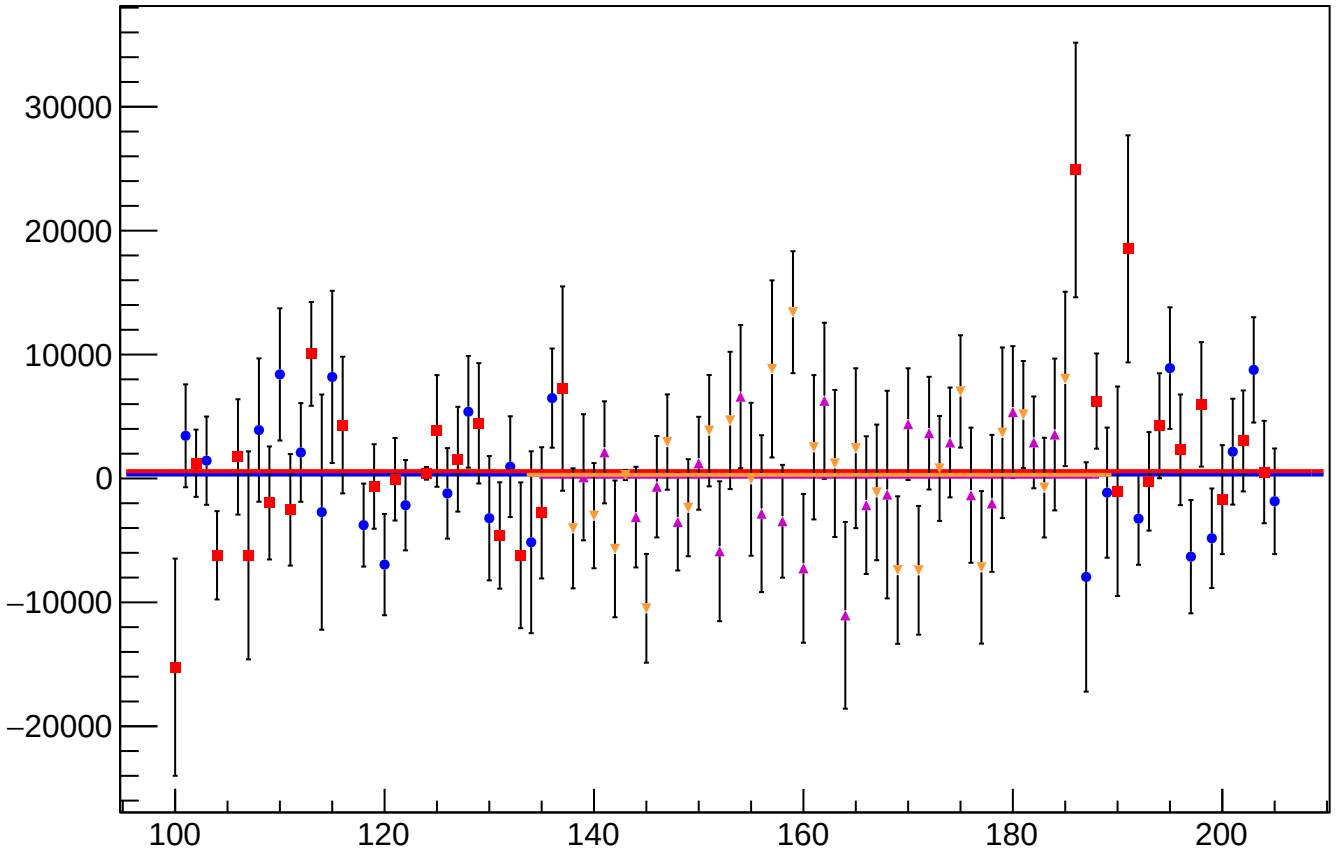
Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

Right: 1766.764+/-0.234 χ^2/NDF: 1302776.2/54

In: 1803.654+/-0.225 χ^2/NDF:770079.2/47

Out: 1815.697+/-0.220 χ^2/NDF:984097.5/54

All: 1809.820+/-0.157 χ^2/NDF: 1755639.5/10



Right In: 316.262+/-889.912 χ^2/NDF: 27.9/24

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 592.534+/-437.192 χ^2/NDF: 33.7/29

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

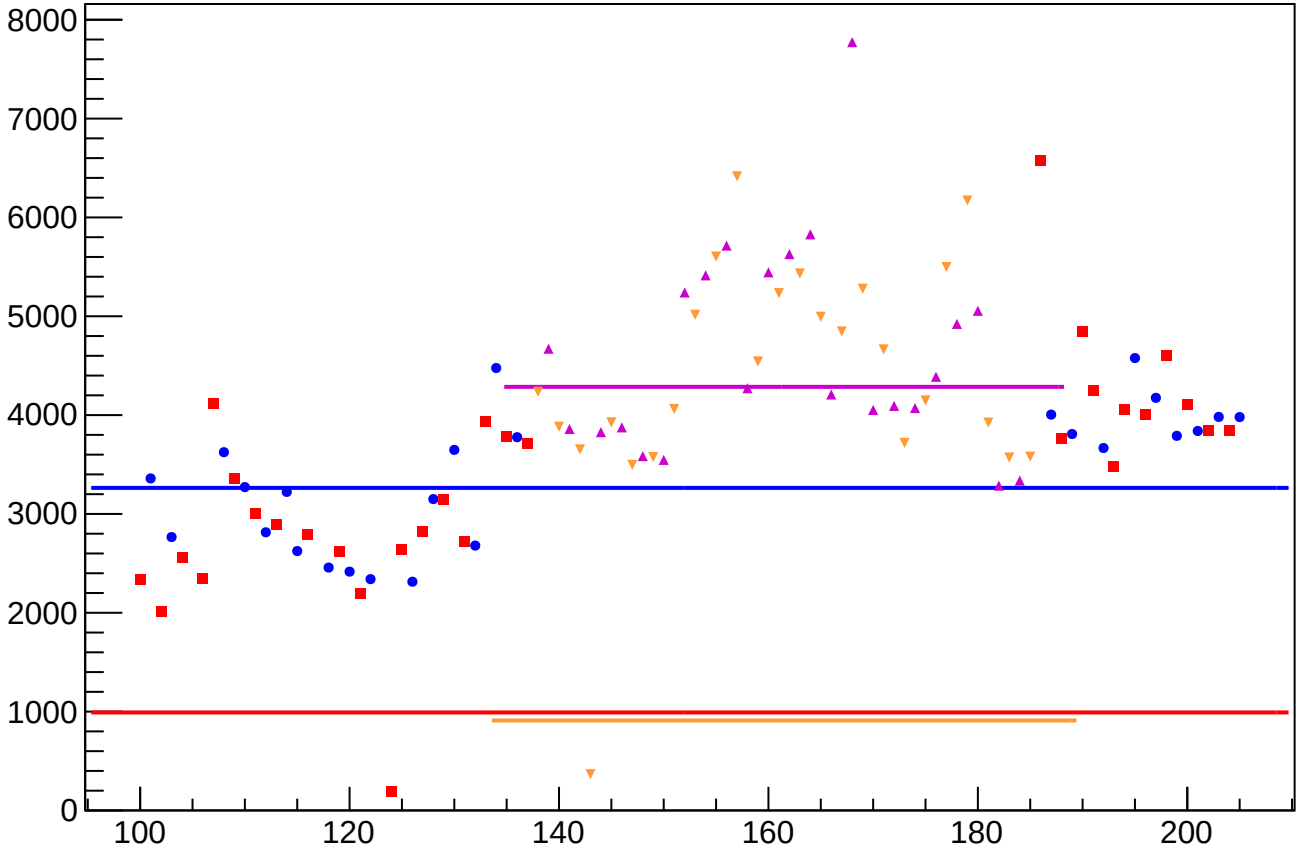
Right: 538.820+/-392.396 χ^2/NDF: 61.7/54

In: 239.585+/-671.403 χ^2/NDF:41.8/47

Out: 423.202+/-286.783 χ^2/NDF:64.0/54

All: 394.871+/-263.732 χ^2/NDF: 105.9/102

asym_atr1l2_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 3263.639+/-0.629 χ^2/NDF: 1161960.0/24

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 991.810+/-0.309 χ^2/NDF: 20009896.1/29

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

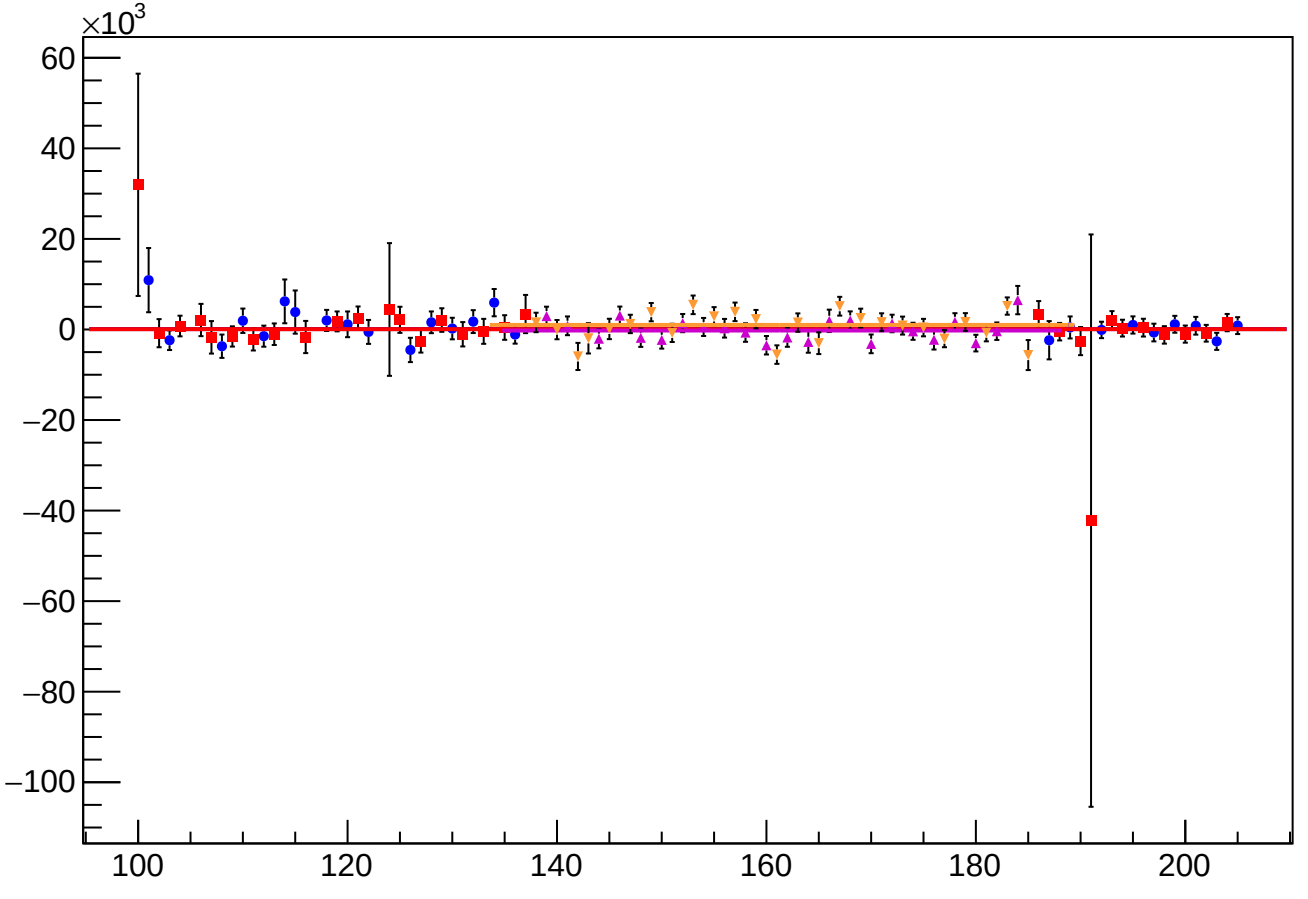
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1433.513+/-0.277 χ^2/NDF: 31671936.0/54

In: 3703.988+/-0.475 χ^2/NDF:3626668.9/47

Out: 945.346+/-0.203 χ^2/NDF:46822516.0/54

All: 1370.997+/-0.186 χ^2/NDF: 79003495.5/1



Right In: 89.412+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 67.637+/-460.466 χ^2/NDF: 13.9/29

Left In: -229.236+/-429.699 χ^2/NDF:26.4/22

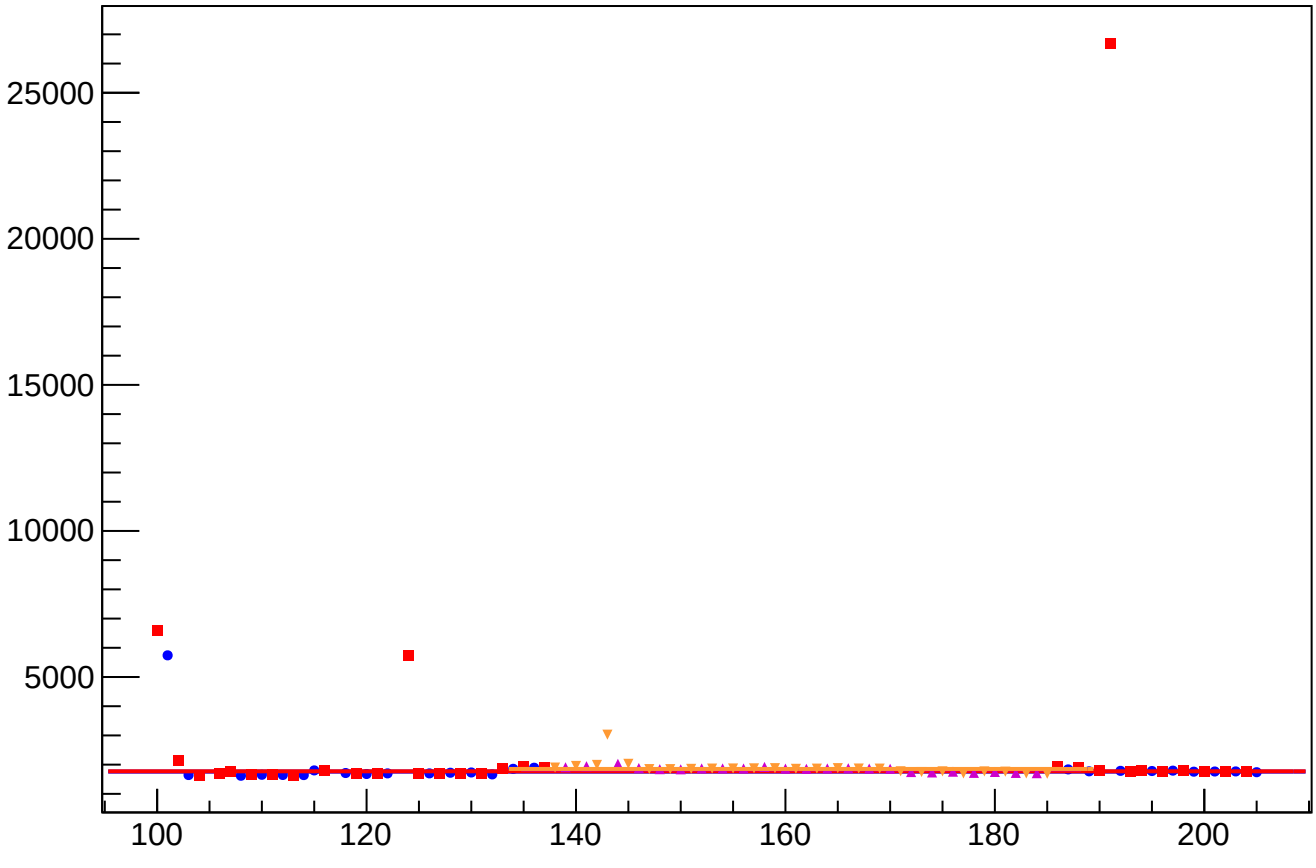
Left: 397.741+/-301.295 χ^2/NDF: 77.9/47

Right: 78.187+/-330.612 χ^2/NDF: 35.0/54

In: -85.823+/-318.653 χ^2/NDF:47.7/47

Out: 575.983+/-311.344 χ^2/NDF:63.5/54

All: 252.758+/-222.693 χ^2/NDF: 113.4/102



Right In: 1761.041+/-0.336 χ^2/NDF: 672330.4/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1772.122+/-0.325 χ^2/NDF: 629883.8/29

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

Left: 1845.648+/-0.213 χ^2/NDF: 390597.1/47

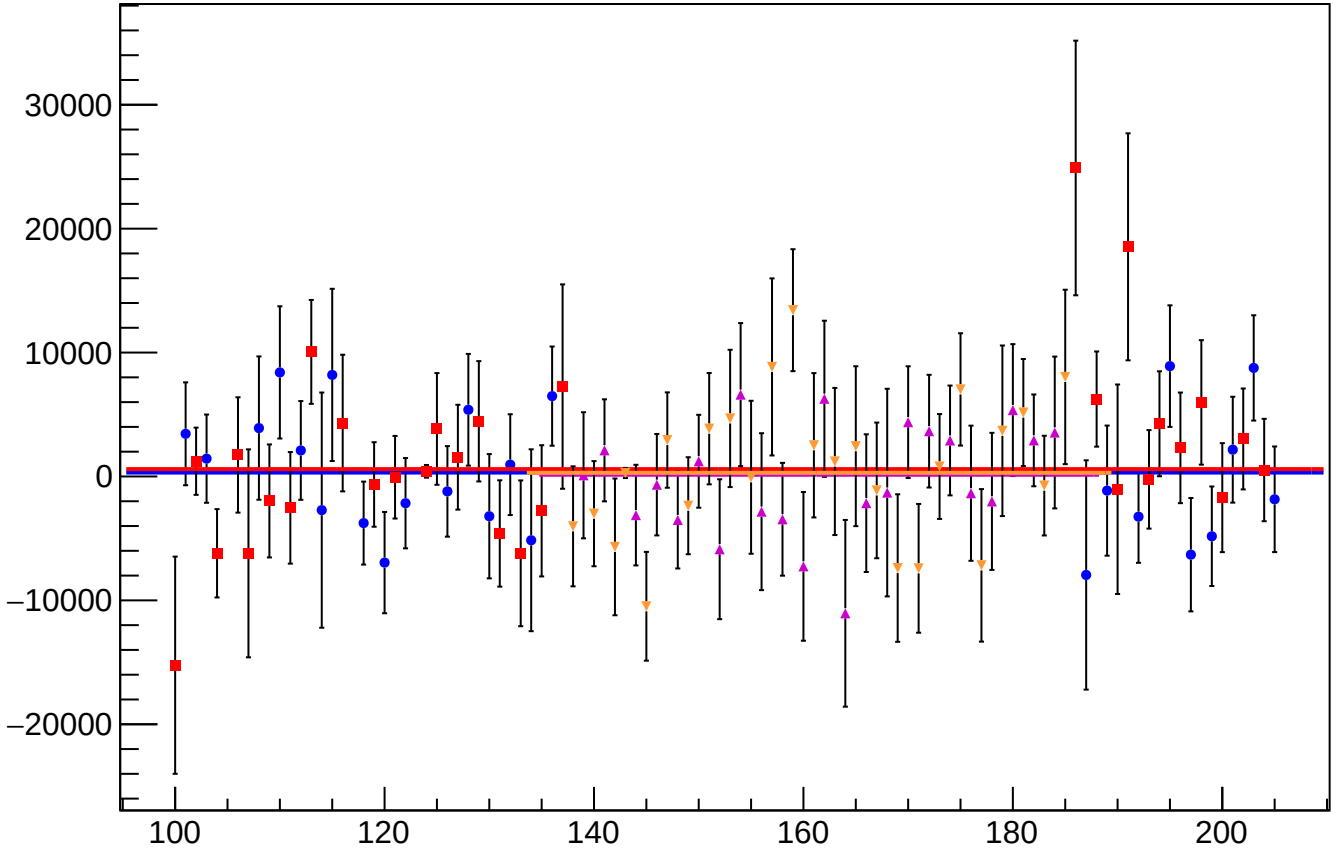
Right: 1766.764+/-0.234 χ^2/NDF: 1302776.2/54

In: 1803.654+/-0.225 χ^2/NDF:770079.2/47

Out: 1815.697+/-0.220 χ^2/NDF:984097.5/54

All: 1809.820+/-0.157 χ^2/NDF: 1755639.5/10

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 316.262+/-889.912 χ^2/NDF: 27.9/24

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: 592.534+/-437.192 χ^2/NDF: 33.7/29

Left In: 138.272+/-1022.940 χ^2/NDF:13.9/22

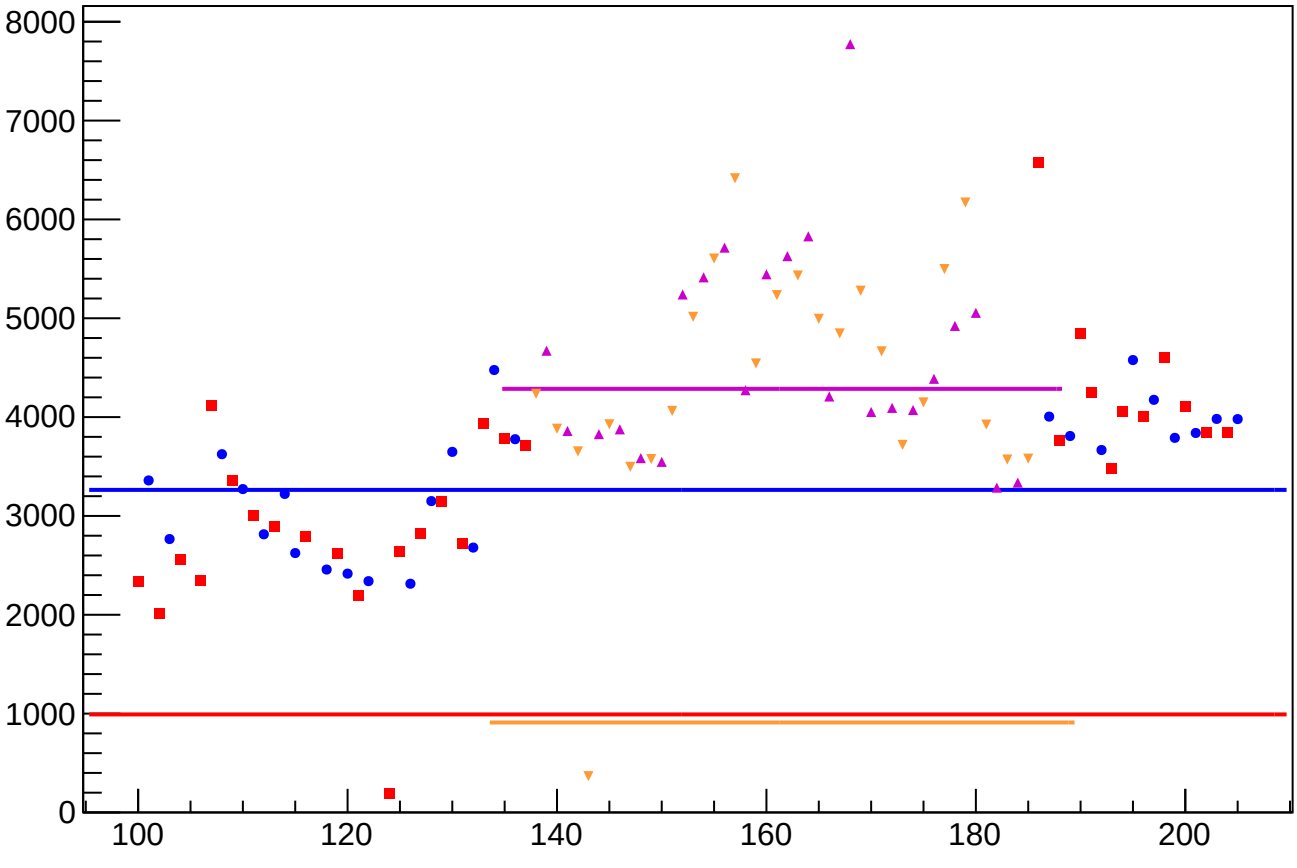
Left: 276.270+/-356.175 χ^2/NDF: 43.9/47

Right: 538.820+/-392.396 χ^2/NDF: 61.7/54

In: 239.585+/-671.403 χ^2/NDF:41.8/47

Out: 423.202+/-286.783 χ^2/NDF:64.0/54

All: 394.871+/-263.732 χ^2/NDF: 105.9/102



Right In: 3263.639+/-0.629 χ^2/NDF: 1161960.0/24

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 991.810+/-0.309 χ^2/NDF: 20009896.1/29

Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

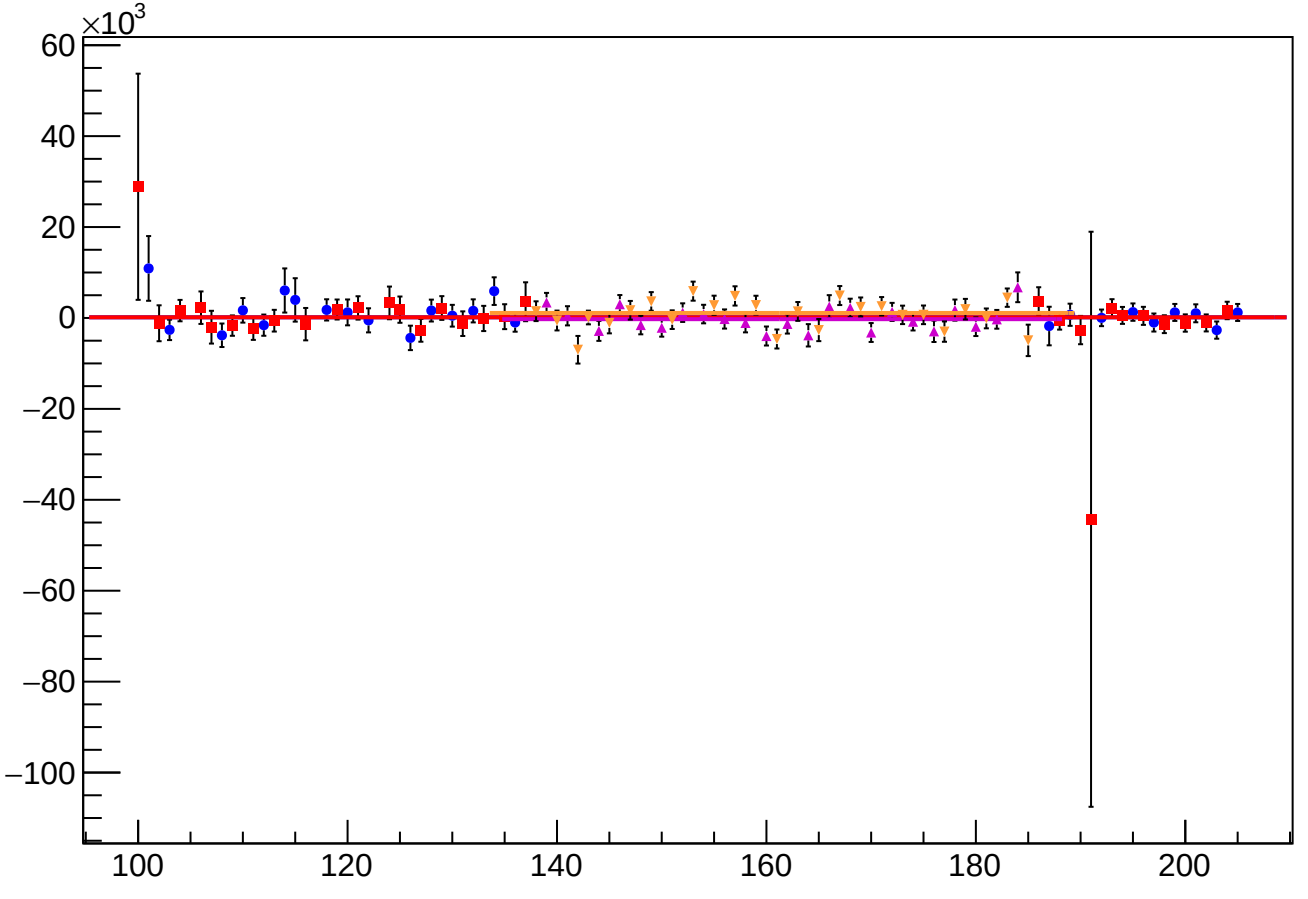
Left: 1319.491+/-0.252 χ^2/NDF: 47238971.3/47

Right: 1433.513+/-0.277 χ^2/NDF: 31671936.0/54

In: 3703.988+/-0.475 χ^2/NDF:3626668.9/47

Out: 945.346+/-0.203 χ^2/NDF:46822516.0/54

All: 1370.997+/-0.186 χ^2/NDF: 79003495.5/1



Right In: 144.722+/-478.093 χ^2/NDF: 21.3/24

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 148.098+/-461.718 χ^2/NDF: 15.7/29

Left In: -264.609+/-445.353 χ^2/NDF:27.7/22

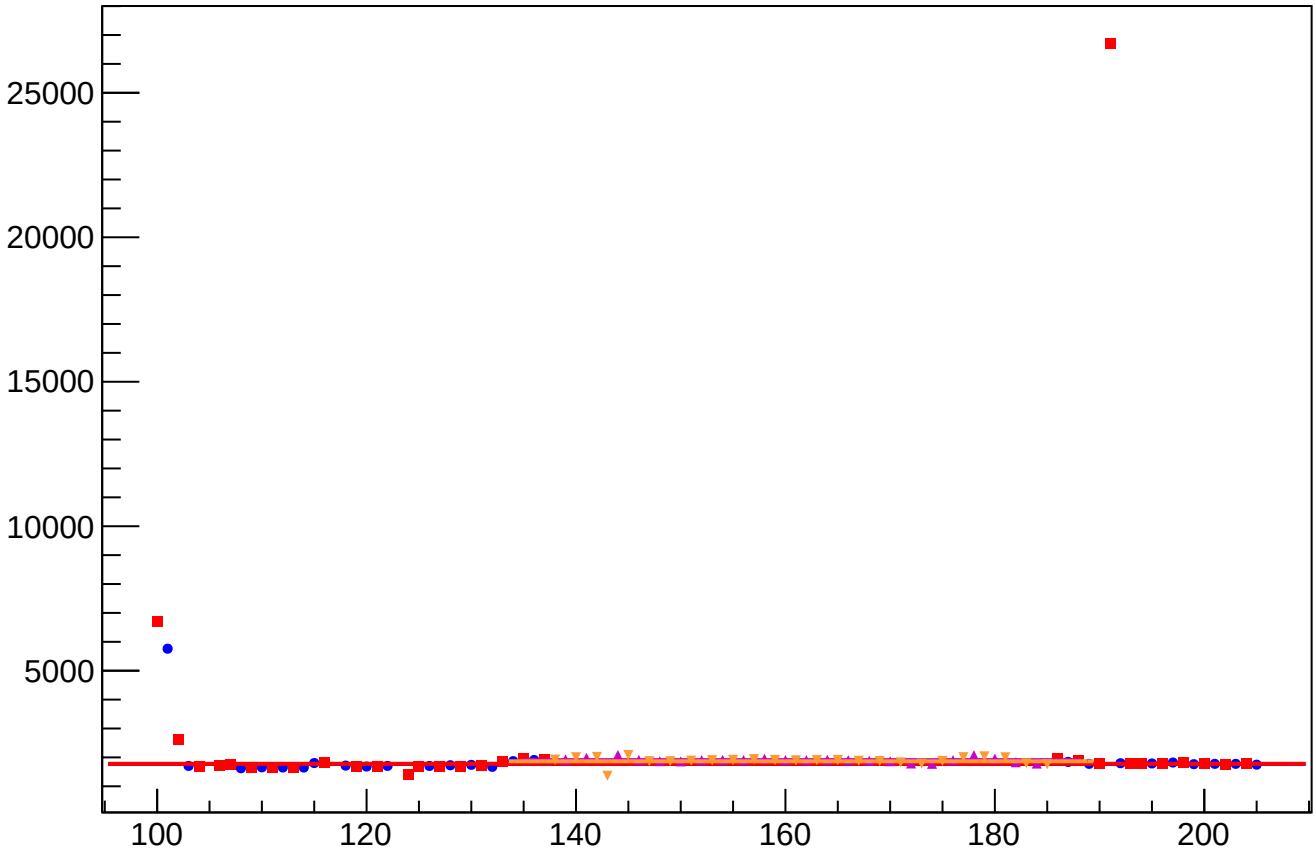
Left: 450.807+/-307.585 χ^2/NDF: 77.4/47

Right: 146.469+/-332.122 χ^2/NDF: 37.0/54

In: -74.438+/-325.873 χ^2/NDF:49.4/47

Out: 664.833+/-312.824 χ^2/NDF:62.8/54

All: 310.294+/-225.672 χ^2/NDF: 114.8/102



Right In: 1772.581+/-0.338 χ^2/NDF: 670933.0/24

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1777.209+/-0.326 χ^2/NDF: 561704.3/29

Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

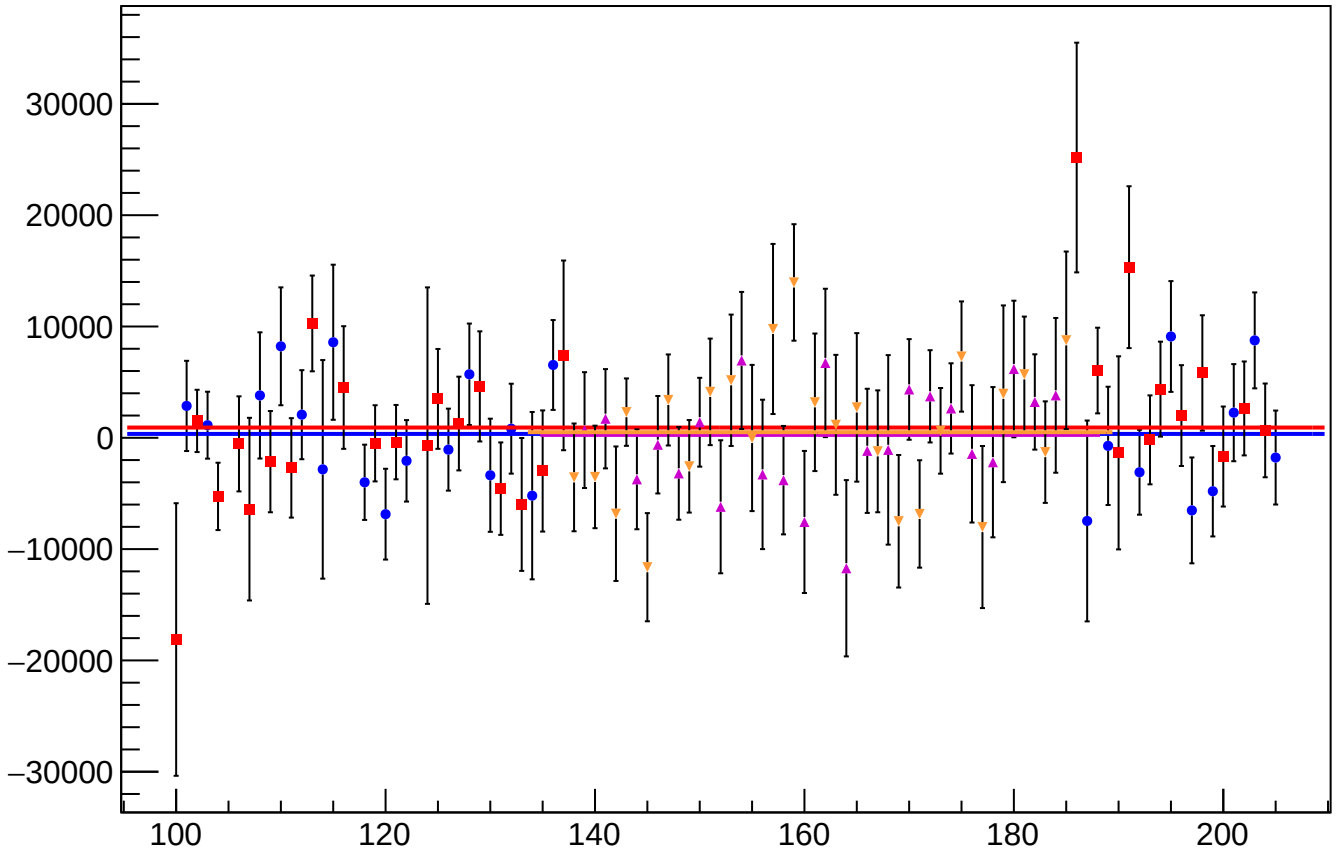
Left: 1884.296+/-0.217 χ^2/NDF: 356267.0/47

Right: 1774.979+/-0.235 χ^2/NDF: 1232734.4/54

In: 1843.815+/-0.230 χ^2/NDF:806642.1/47

Out: 1824.552+/-0.221 χ^2/NDF:895450.1/54

All: 1833.784+/-0.160 χ^2/NDF: 1705731.6/10



Right In: 348.866+/-884.157 χ^2/NDF: 27.6/24

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 921.750+/-835.069 χ^2/NDF: 32.7/29

Left In: 261.050+/-1081.402 χ^2/NDF:13.6/22

Left: 389.556+/-742.654 χ^2/NDF: 43.7/47

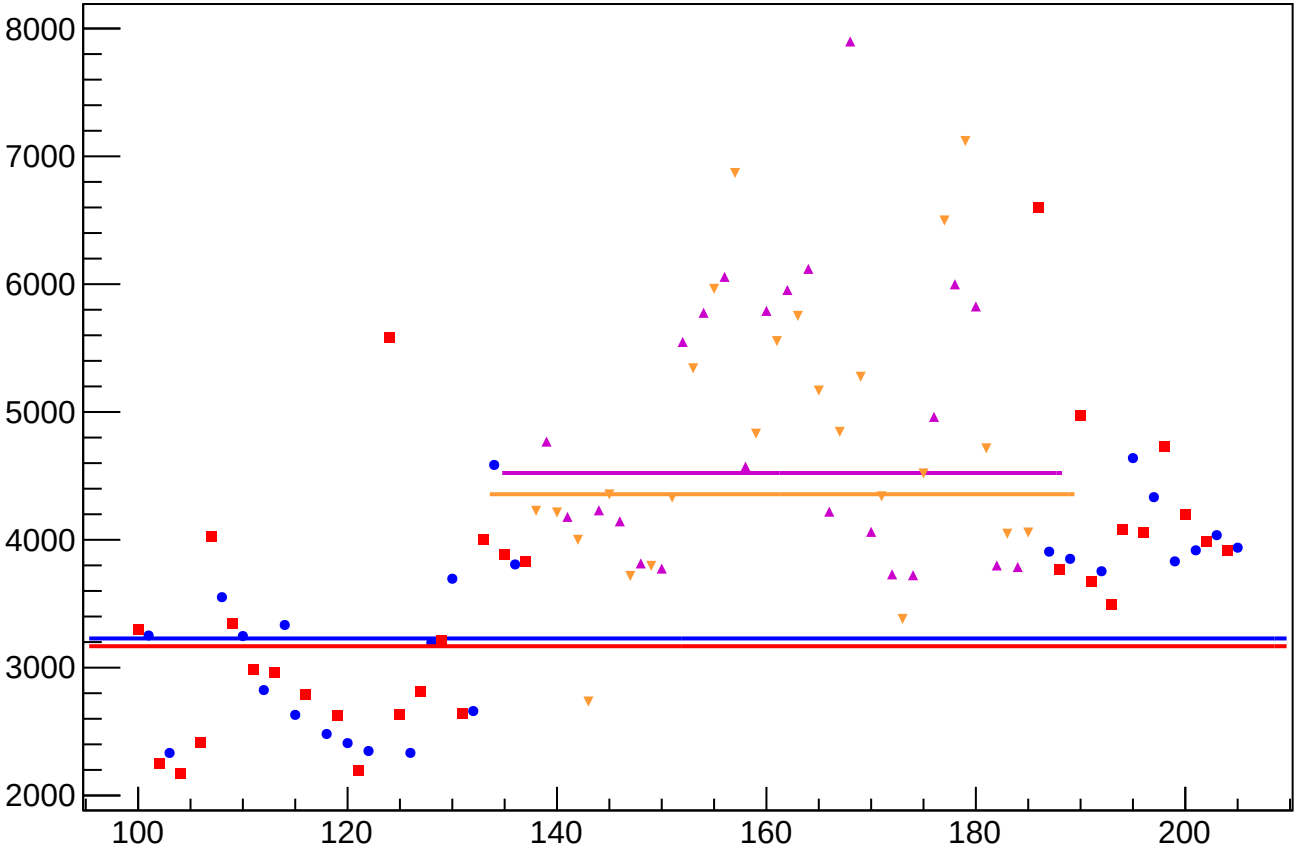
Right: 651.652+/-607.095 χ^2/NDF: 60.5/54

In: 313.683+/-684.494 χ^2/NDF:41.2/47

Out: 754.546+/-646.573 χ^2/NDF:62.9/54

All: 546.664+/-470.030 χ^2/NDF: 104.3/102

asym_atr1l2_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 3228.452+/-0.625 χ^2/NDF: 1361204.6/24

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3167.668+/-0.590 χ^2/NDF: 1949601.1/29

Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

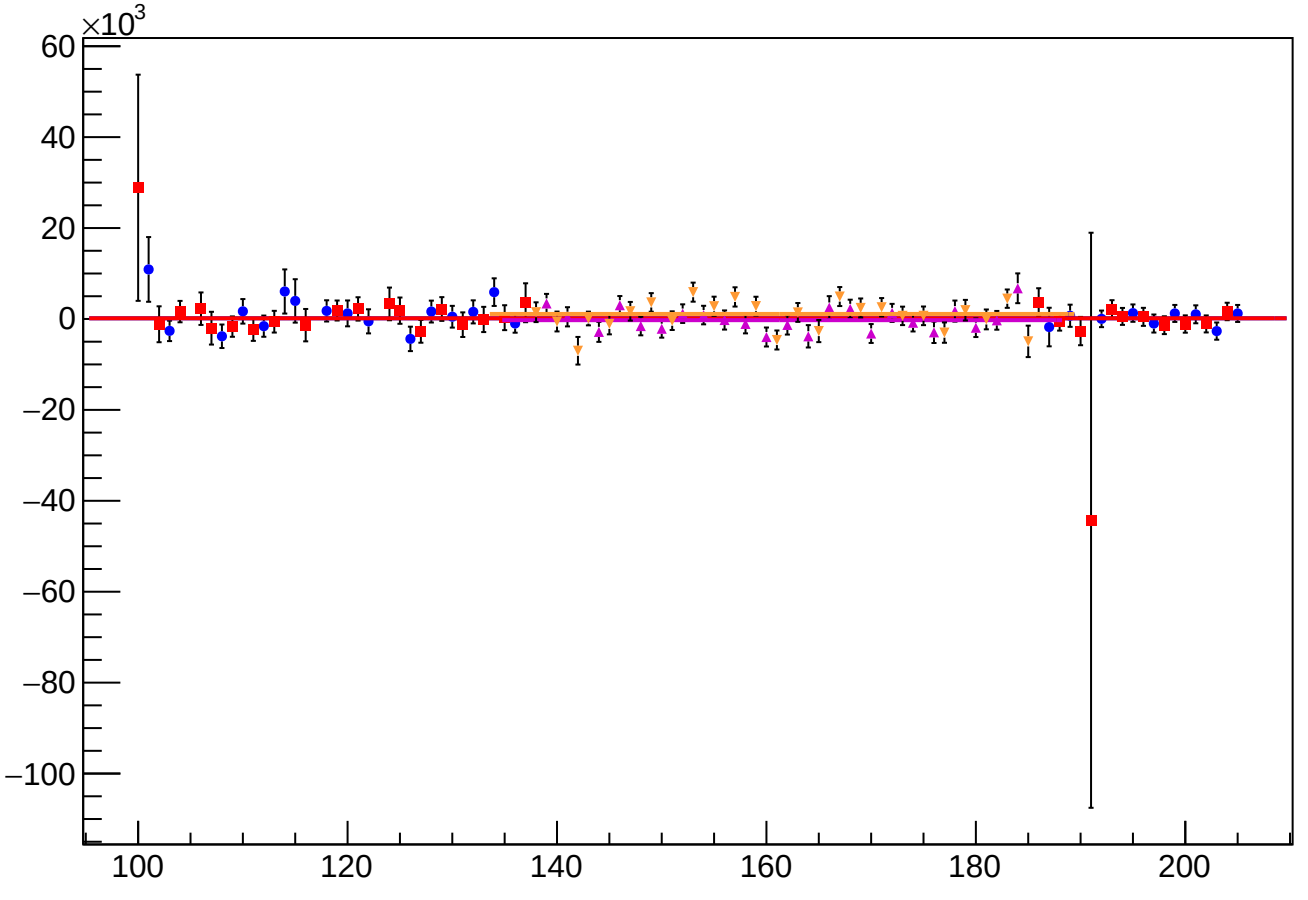
Left: 4435.001+/-0.525 χ^2/NDF: 3371275.6/47

Right: 3196.326+/-0.429 χ^2/NDF: 3315801.7/54

In: 3747.028+/-0.484 χ^2/NDF:4512447.0/47

Out: 3643.852+/-0.457 χ^2/NDF:5485723.2/54

All: 3692.502+/-0.332 χ^2/NDF: 10022184.3/1



Right In: 144.723+/-478.093 χ^2/NDF: 21.3/24

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 148.095+/-461.718 χ^2/NDF: 15.7/29

Left In: -264.609+/-445.354 χ^2/NDF:27.7/22

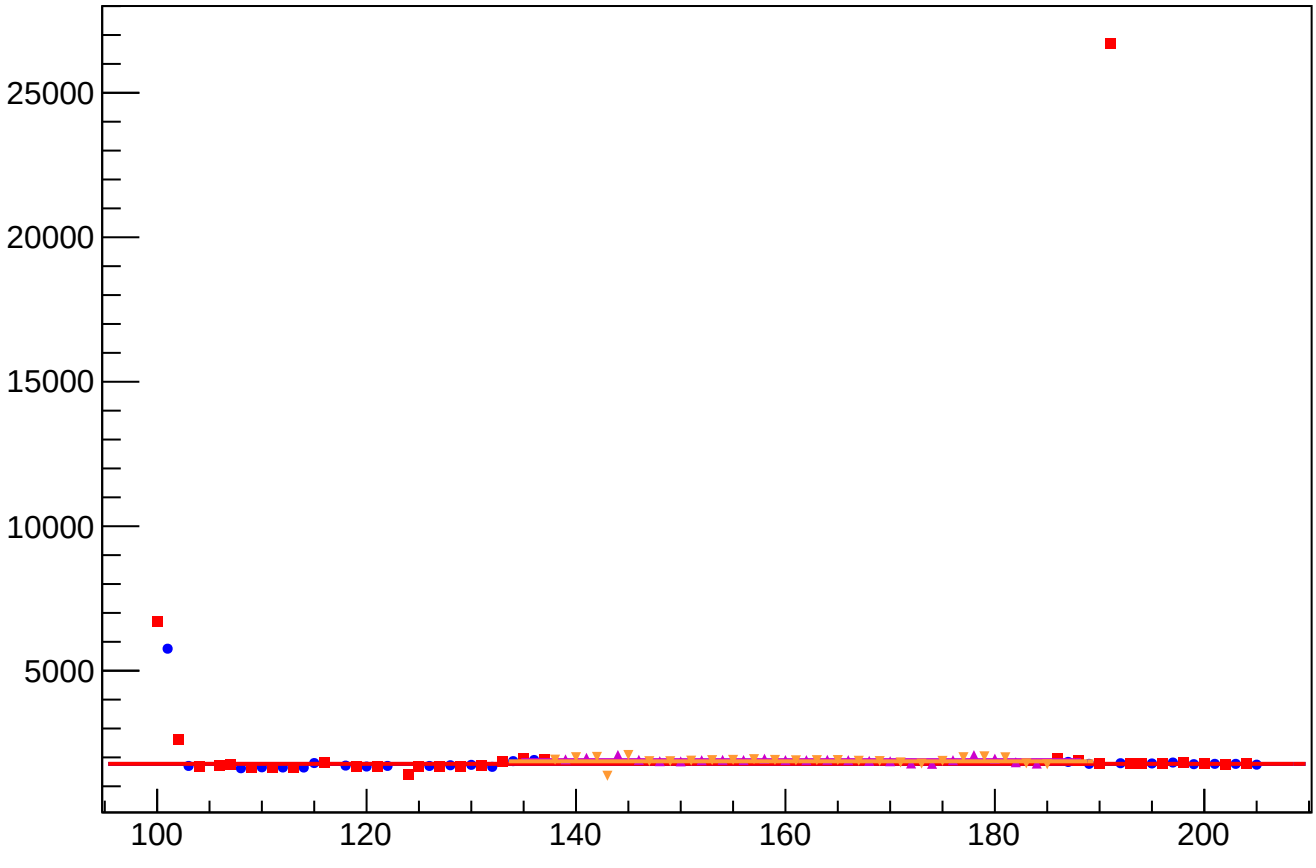
Left: 450.808+/-307.585 χ^2/NDF: 77.4/47

Right: 146.468+/-332.122 χ^2/NDF: 37.0/54

In: -74.437+/-325.873 χ^2/NDF:49.4/47

Out: 664.832+/-312.824 χ^2/NDF:62.8/54

All: 310.294+/-225.672 χ^2/NDF: 114.8/102



Right In: 1772.581+/-0.338 χ^2/NDF: 670933.0/24

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

Right Out: 1777.209+/-0.326 χ^2/NDF: 561704.3/29

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

Left: 1884.297+/-0.217 χ^2/NDF: 356272.6/47

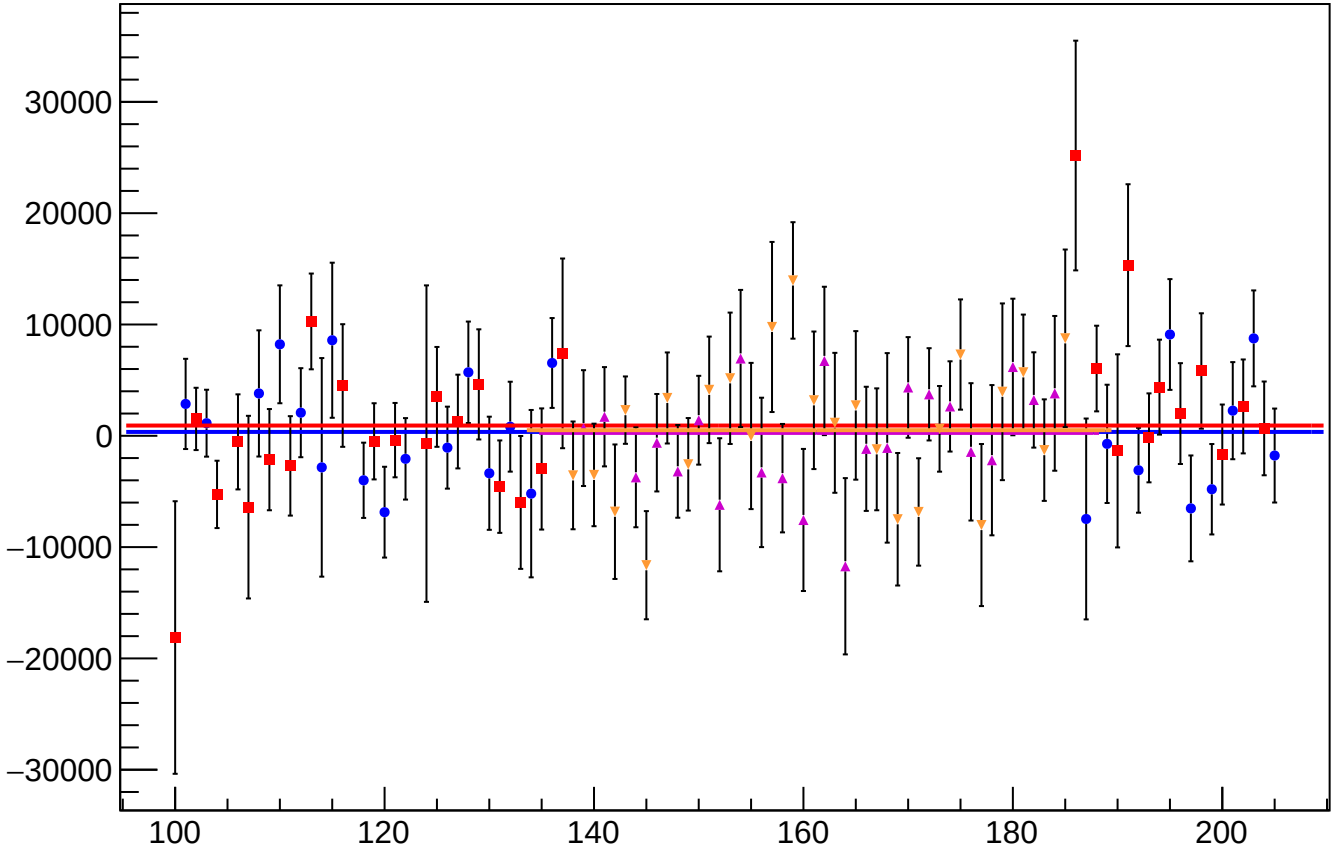
Right: 1774.979+/-0.235 χ^2/NDF: 1232734.5/54

In: 1843.816+/-0.230 χ^2/NDF:806645.7/47

Out: 1824.553+/-0.221 χ^2/NDF:895454.3/54

All: 1833.785+/-0.160 χ^2/NDF: 1705739.3/10

asym_atr1l2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 348.862+/-884.156 χ^2/NDF: 27.6/24

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: 921.747+/-835.068 χ^2/NDF: 32.7/29

Left In: 261.051+/-1081.404 χ^2/NDF:13.6/22

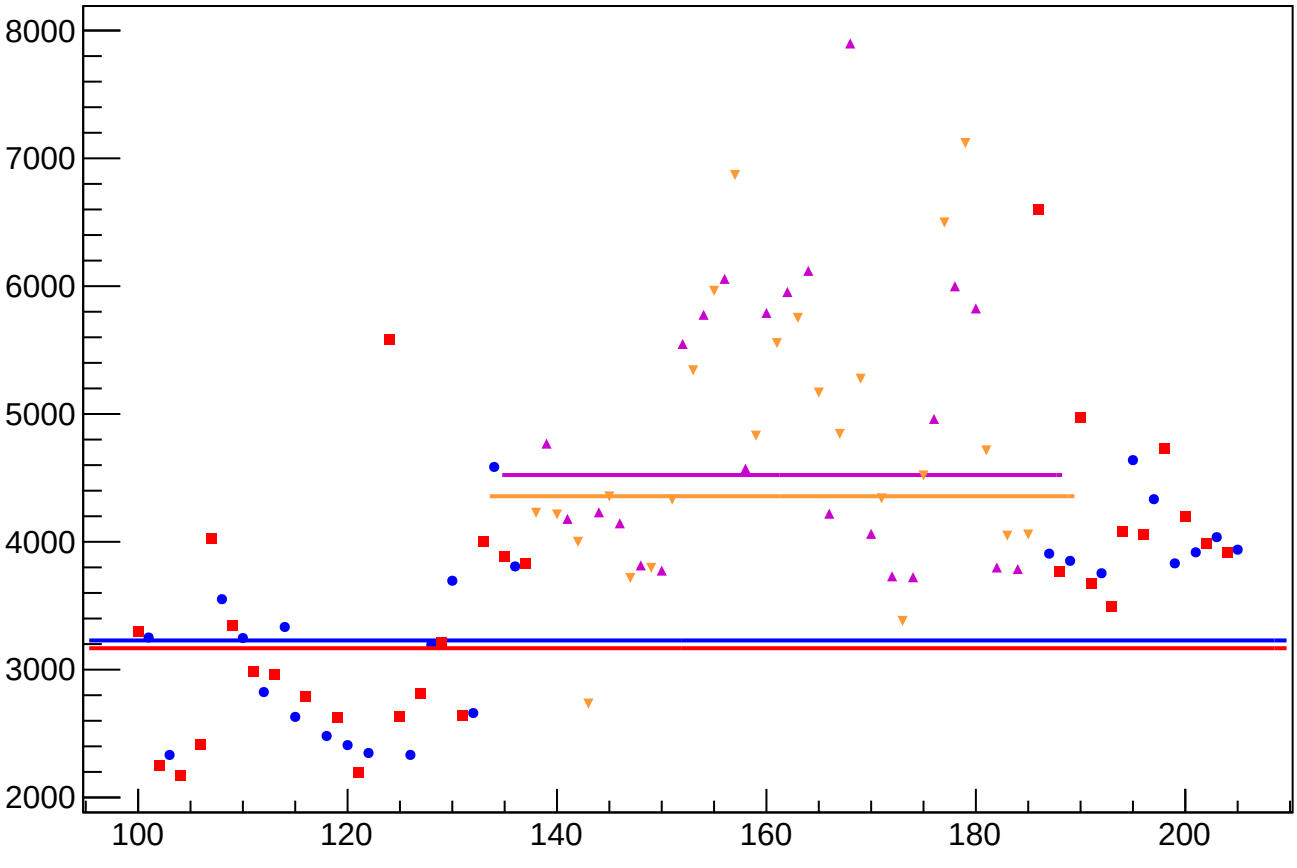
Left: 389.559+/-742.655 χ^2/NDF: 43.7/47

Right: 651.649+/-607.095 χ^2/NDF: 60.5/54

In: 313.681+/-684.494 χ^2/NDF:41.2/47

Out: 754.547+/-646.573 χ^2/NDF:62.9/54

All: 546.664+/-470.030 χ^2/NDF: 104.3/102



Right In: 3228.447+/-0.625 χ^2/NDF: 1361227.9/24

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3167.665+/-0.590 χ^2/NDF: 1949613.5/29

Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

Left: 4435.009+/-0.525 χ^2/NDF: 3371281.4/47

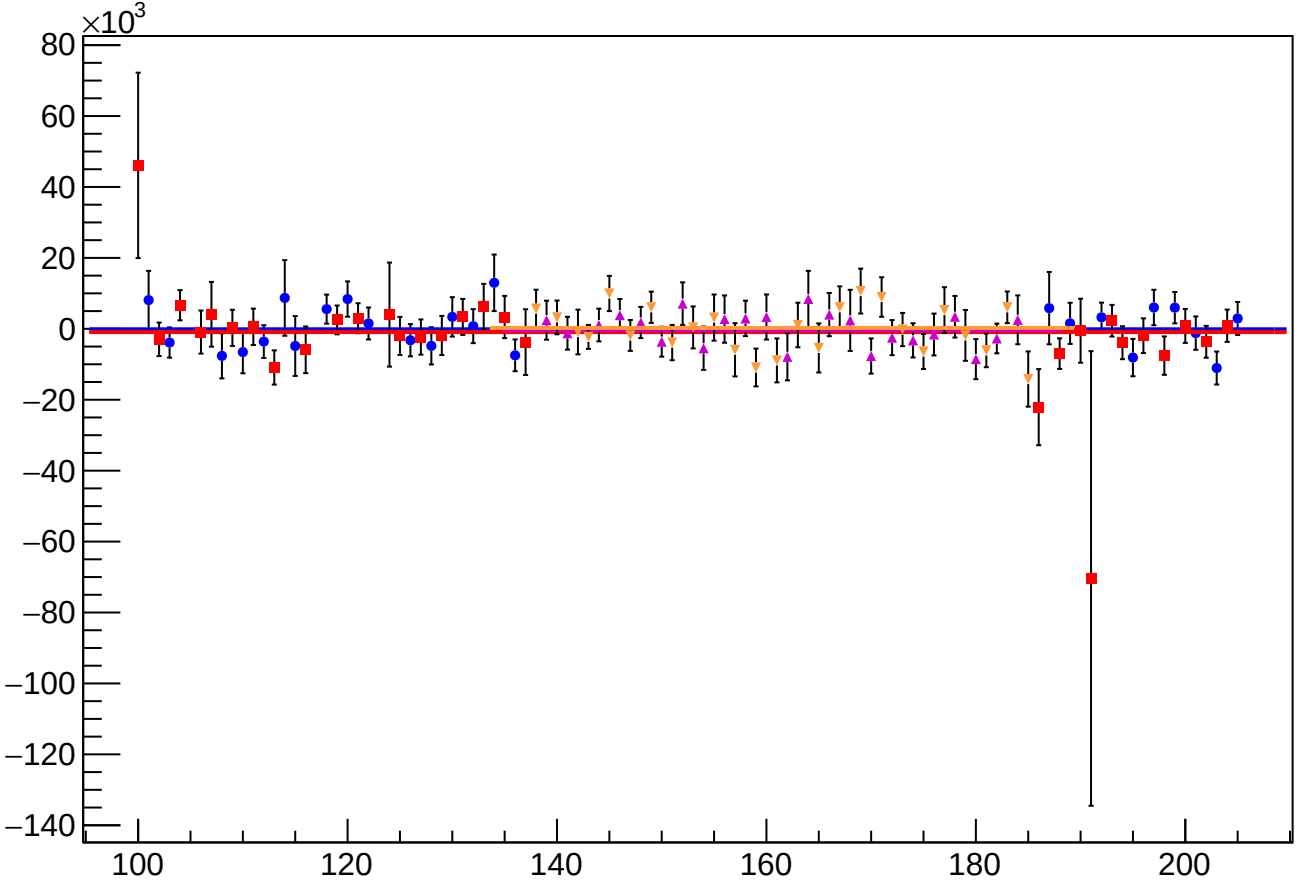
Right: 3196.322+/-0.429 χ^2/NDF: 3315837.2/54

In: 3747.026+/-0.484 χ^2/NDF:4512503.7/47

Out: 3643.851+/-0.457 χ^2/NDF:5485767.0/54

All: 3692.501+/-0.332 χ^2/NDF: 10022284.3/1

asym_atr1l2_dd_mean vs Slug, Sign Corrected



Right In: -137.244+/-1037.184 χ^2/NDF: 30.7/24

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -911.097+/-998.215 χ^2/NDF: 26.4/29

Left In: -397.881+/-1121.323 χ^2/NDF:14.2/22

Left: -62.451+/-772.078 χ^2/NDF: 46.6/47

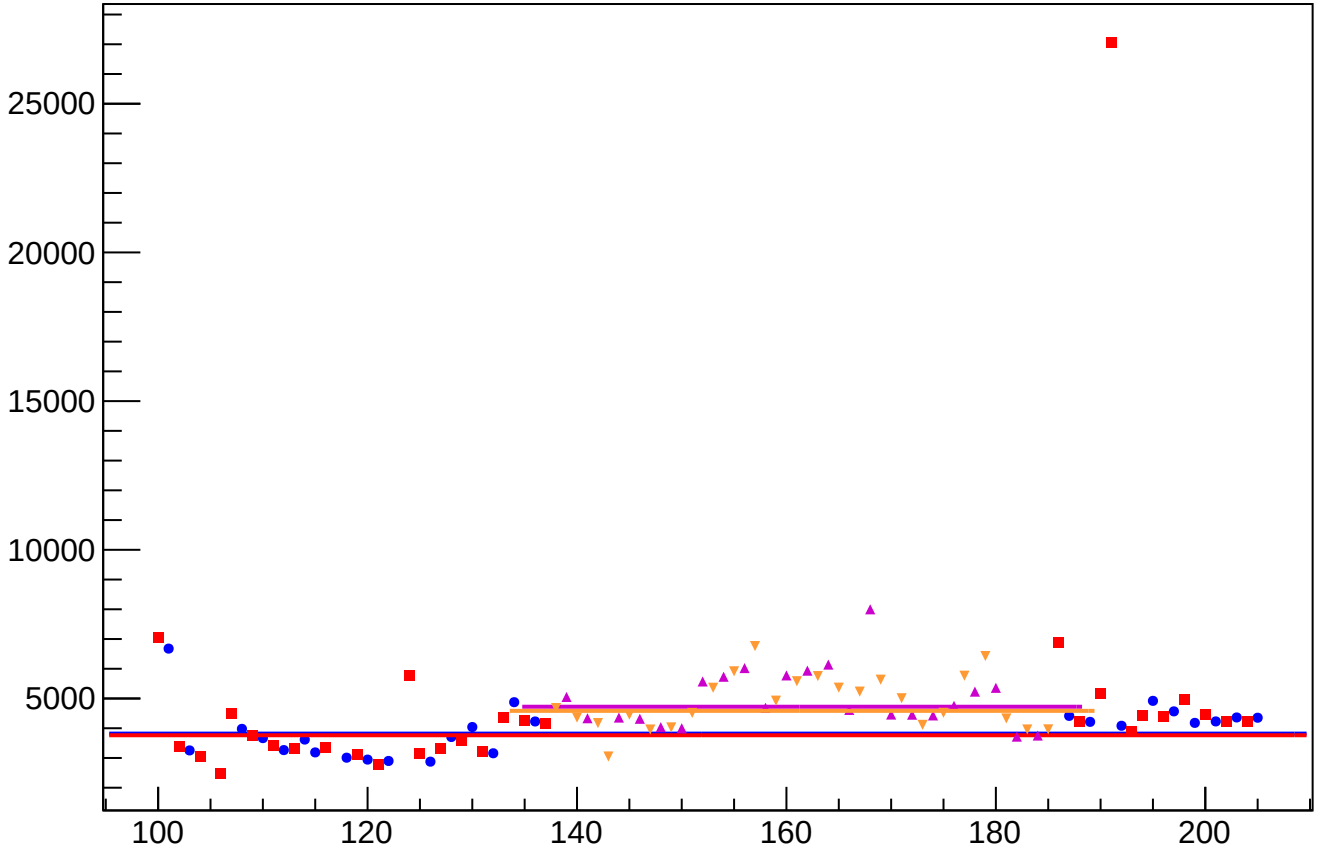
Right: -538.981+/-719.227 χ^2/NDF: 57.4/54

In: -257.418+/-761.410 χ^2/NDF:45.0/47

Out: -372.613+/-728.198 χ^2/NDF:59.2/54

All: -317.583+/-526.263 χ^2/NDF: 104.2/102

asym_atr1l2_dd_rms vs Slug, Sign Corrected



Right In: 3819.197+/-0.733 χ^2/NDF: 960152.7/24

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3764.056+/-0.700 χ^2/NDF: 1361576.5/29

Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

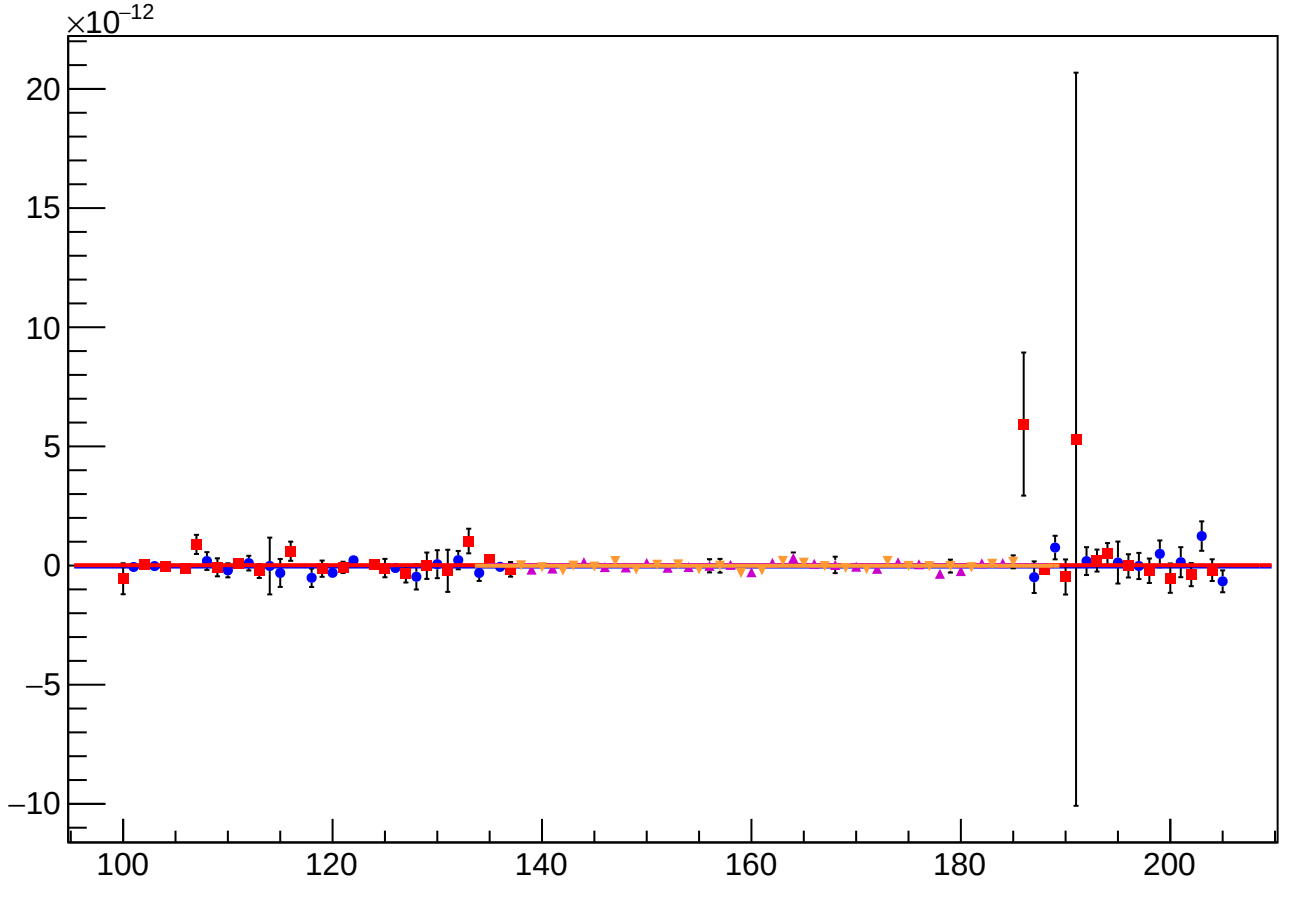
Left: 4650.254+/-0.546 χ^2/NDF: 2344345.5/47

Right: 3790.333+/-0.506 χ^2/NDF: 2324688.2/54

In: 4235.928+/-0.538 χ^2/NDF:2677019.3/47

Out: 4144.431+/-0.513 χ^2/NDF:3310733.3/54

All: 4187.930+/-0.371 χ^2/NDF: 6002902.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/29

Left In: 0.000+/-0.000 χ^2/NDF:26.0/22

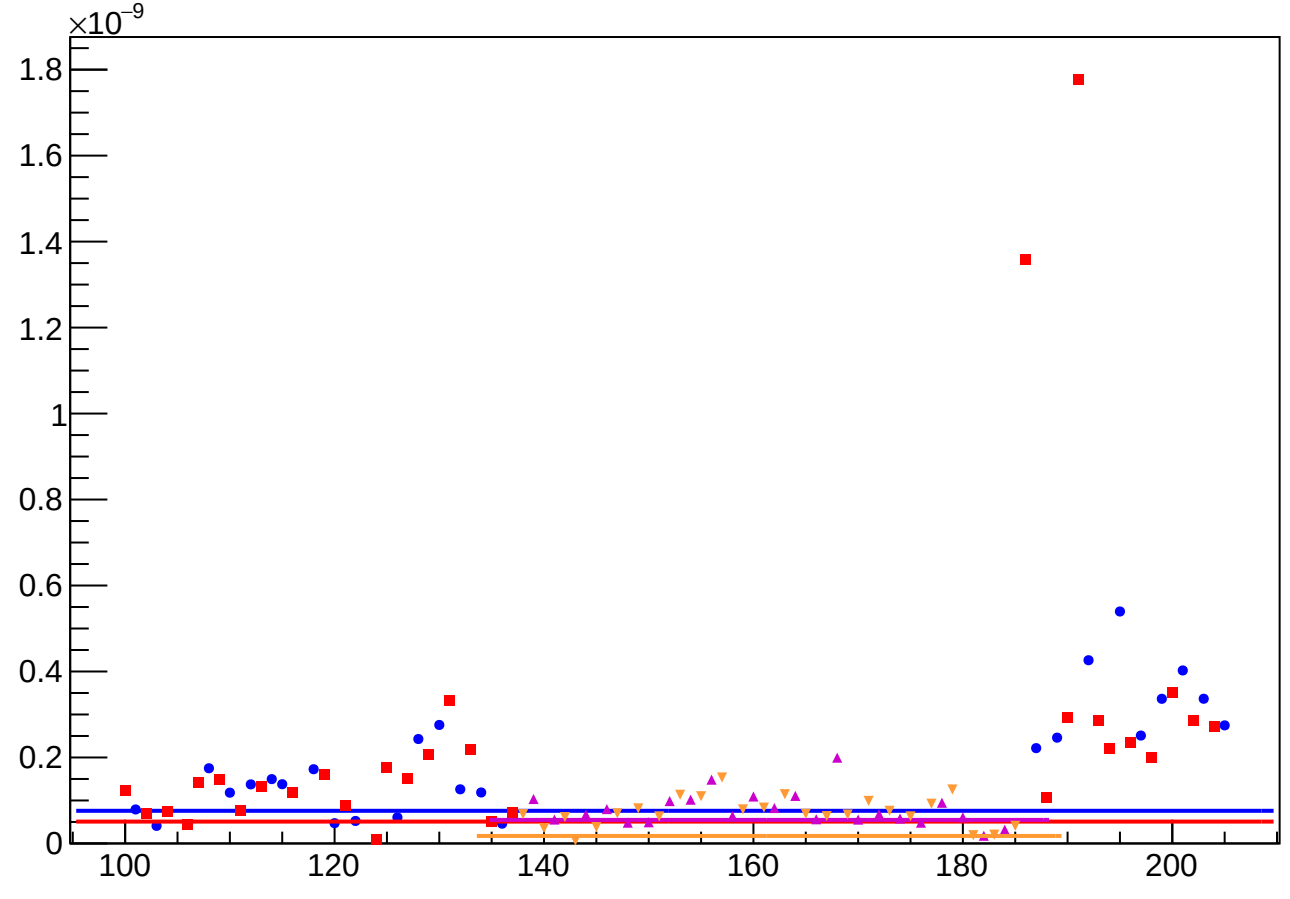
Left: -0.000+/-0.000 χ^2/NDF: 49.7/47

Right: -0.000+/-0.000 χ^2/NDF: 46.8/54

In: 0.000+/-0.000 χ^2/NDF:46.4/47

Out: -0.000+/-0.000 χ^2/NDF:50.0/54

All: -0.000+/-0.000 χ^2/NDF: 96.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 5104507.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6777483.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

Left: 0.000+/-0.000 χ^2/NDF: 15661479.1/47

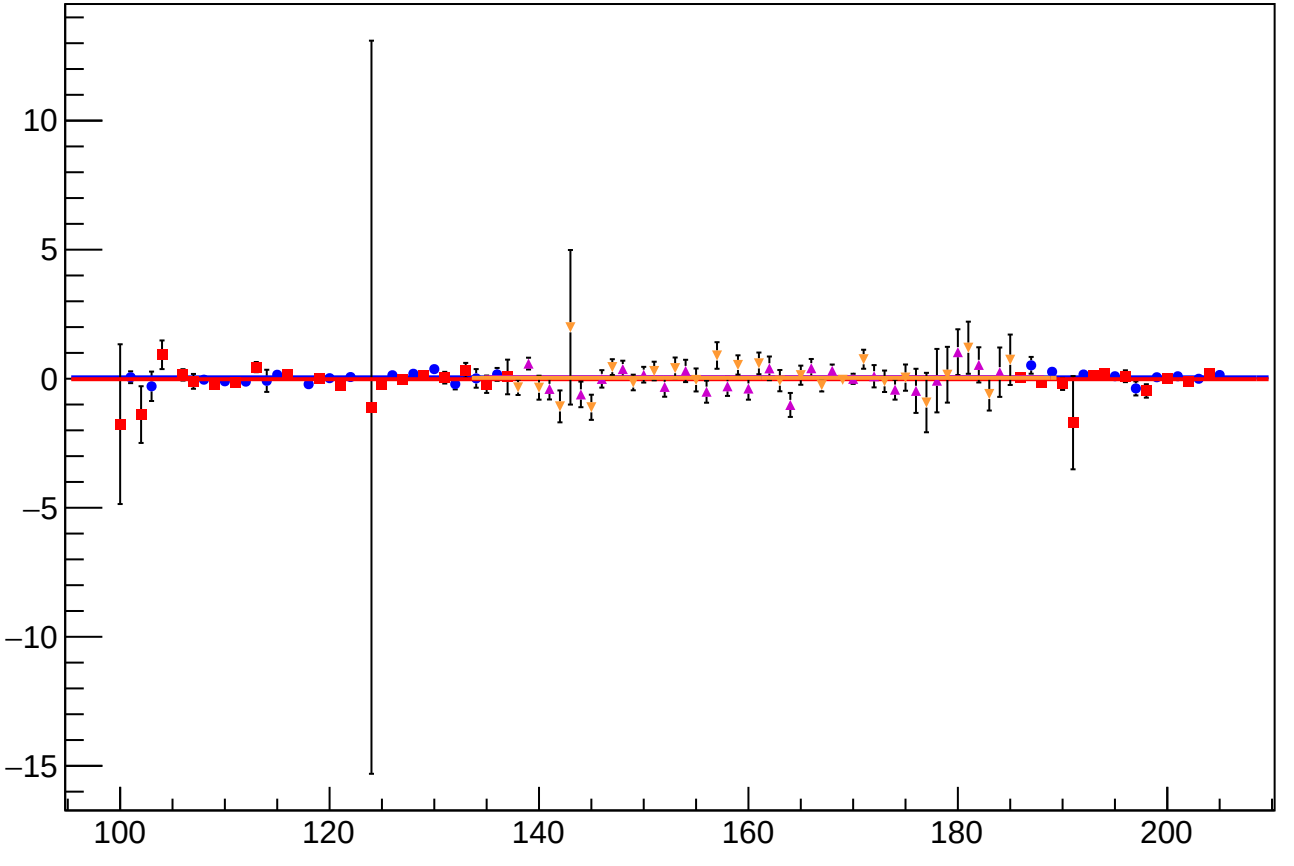
Right: 0.000+/-0.000 χ^2/NDF: 12292096.9/54

In: 0.000+/-0.000 χ^2/NDF:8269517.6/47

Out: 0.000+/-0.000 χ^2/NDF:17335083.4/54

All: 0.000+/-0.000 χ^2/NDF: 31104829.3/102

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

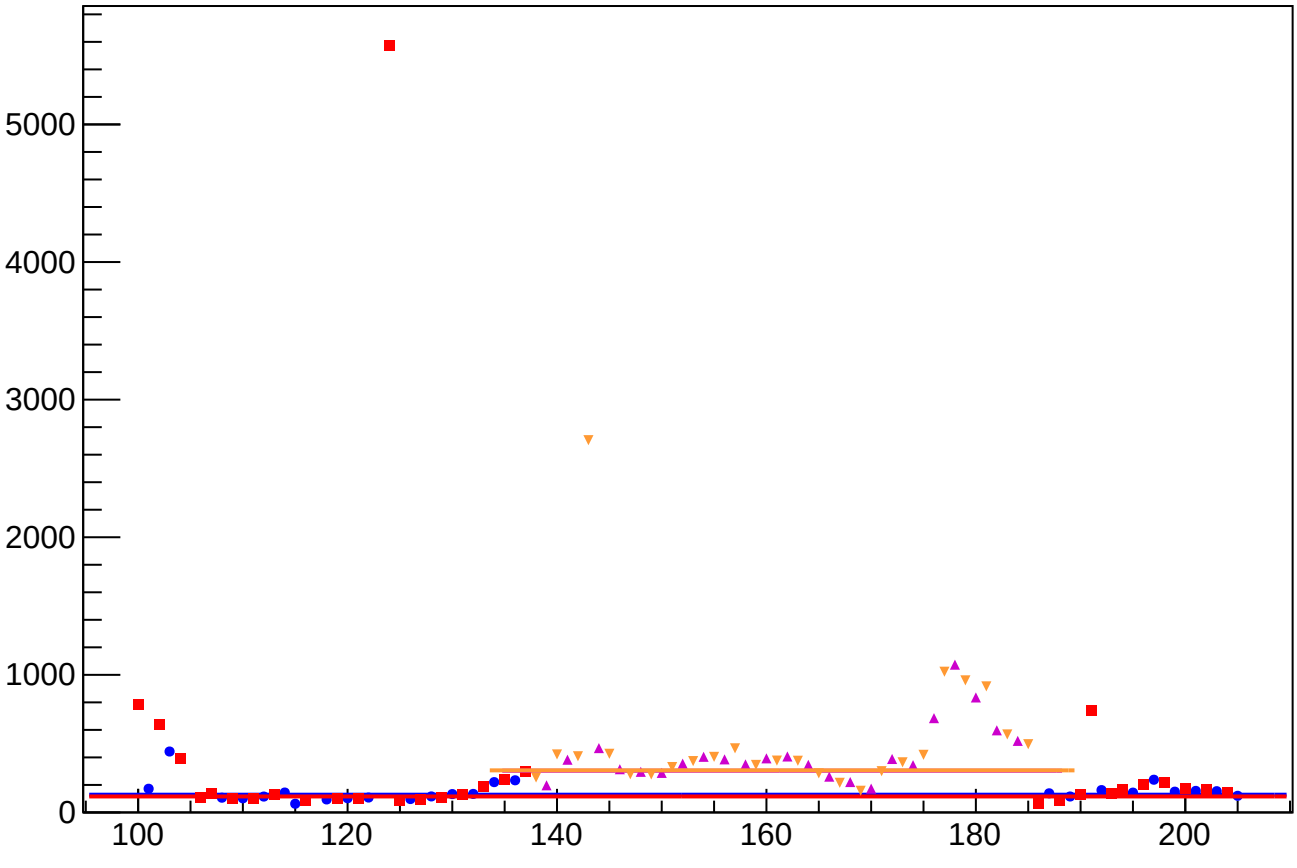
Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

Right: 0.014+/-0.025 χ^2/NDF: 55.5/54

In: 0.054+/-0.033 χ^2/NDF:45.8/47

Out: -0.011+/-0.031 χ^2/NDF:64.5/54

All: 0.019+/-0.023 χ^2/NDF: 112.3/102



Right In: 129.010+/-0.026 χ^2/NDF: 2398584.1/24

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.283+/-0.024 χ^2/NDF: 4363983.6/29

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

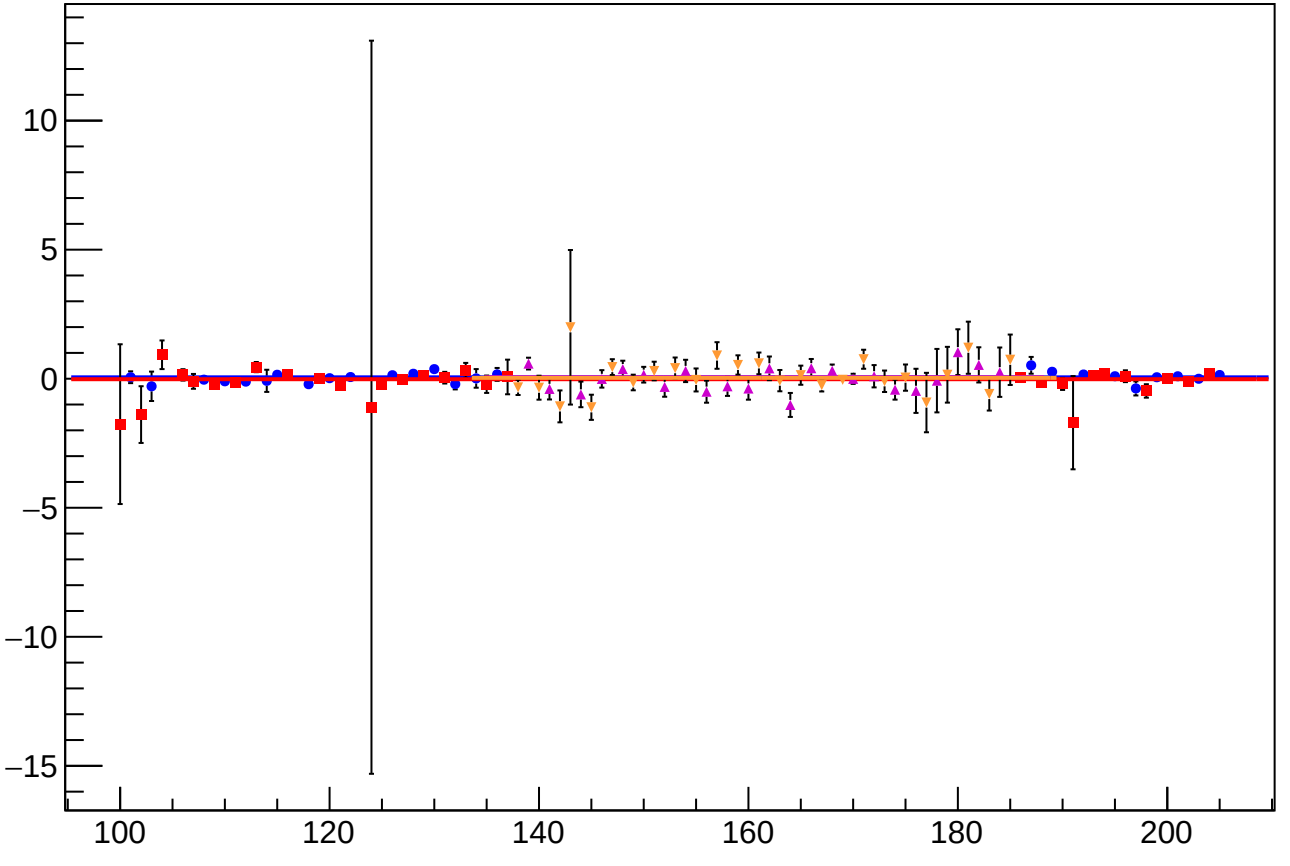
Right: 122.053+/-0.018 χ^2/NDF: 6891463.7/54

In: 161.581+/-0.024 χ^2/NDF:15475893.1/47

Out: 146.240+/-0.022 χ^2/NDF:20972815.7/54

All: 153.329+/-0.016 χ^2/NDF: 36675387.5/10

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: 0.056+/-0.077 χ^2/NDF:26.1/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

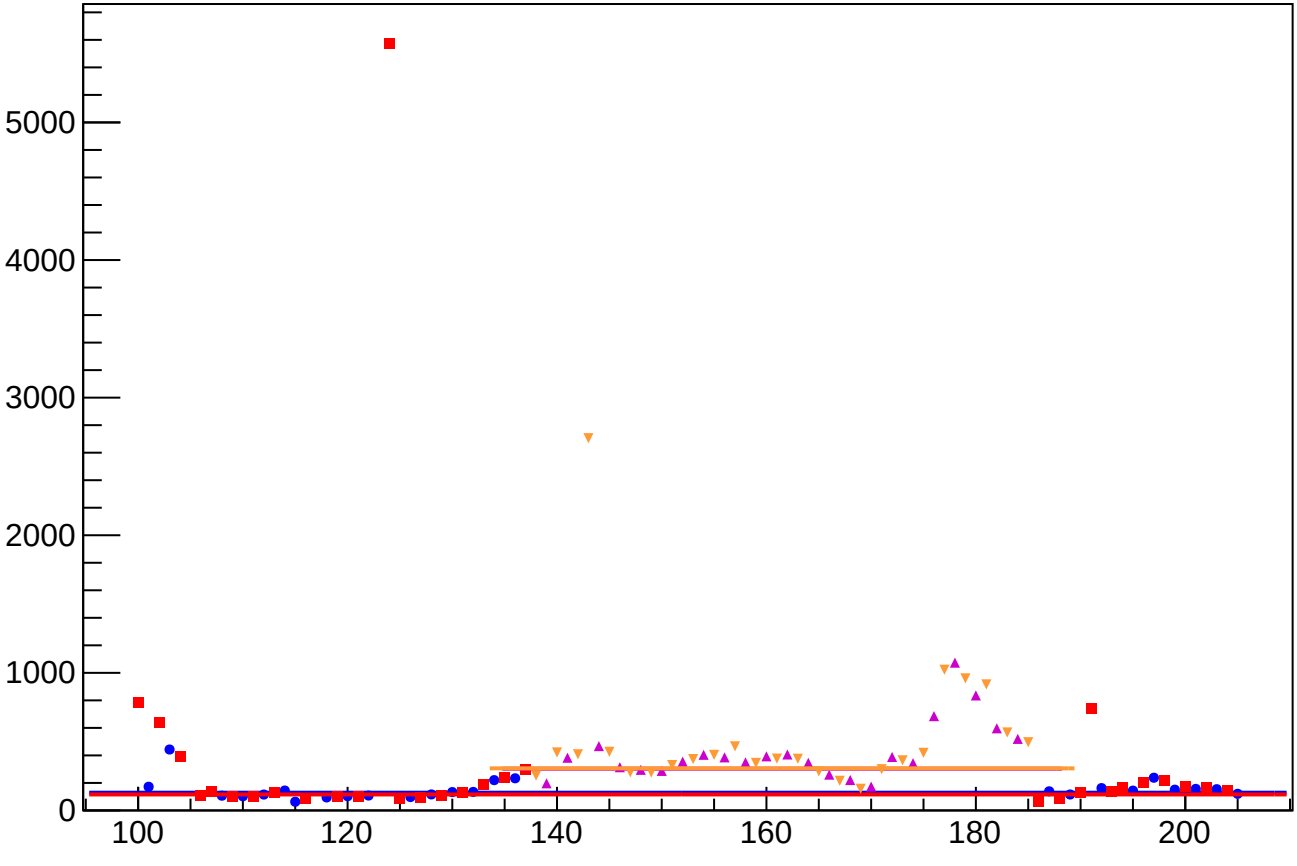
Right: 0.014+/-0.025 χ^2/NDF: 55.5/54

In: 0.054+/-0.033 χ^2/NDF:45.8/47

Out: -0.011+/-0.031 χ^2/NDF:64.5/54

All: 0.019+/-0.023 χ^2/NDF: 112.3/102

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.010+/-0.026 χ^2/NDF: 2398584.1/24

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.283+/-0.024 χ^2/NDF: 4363983.6/29

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

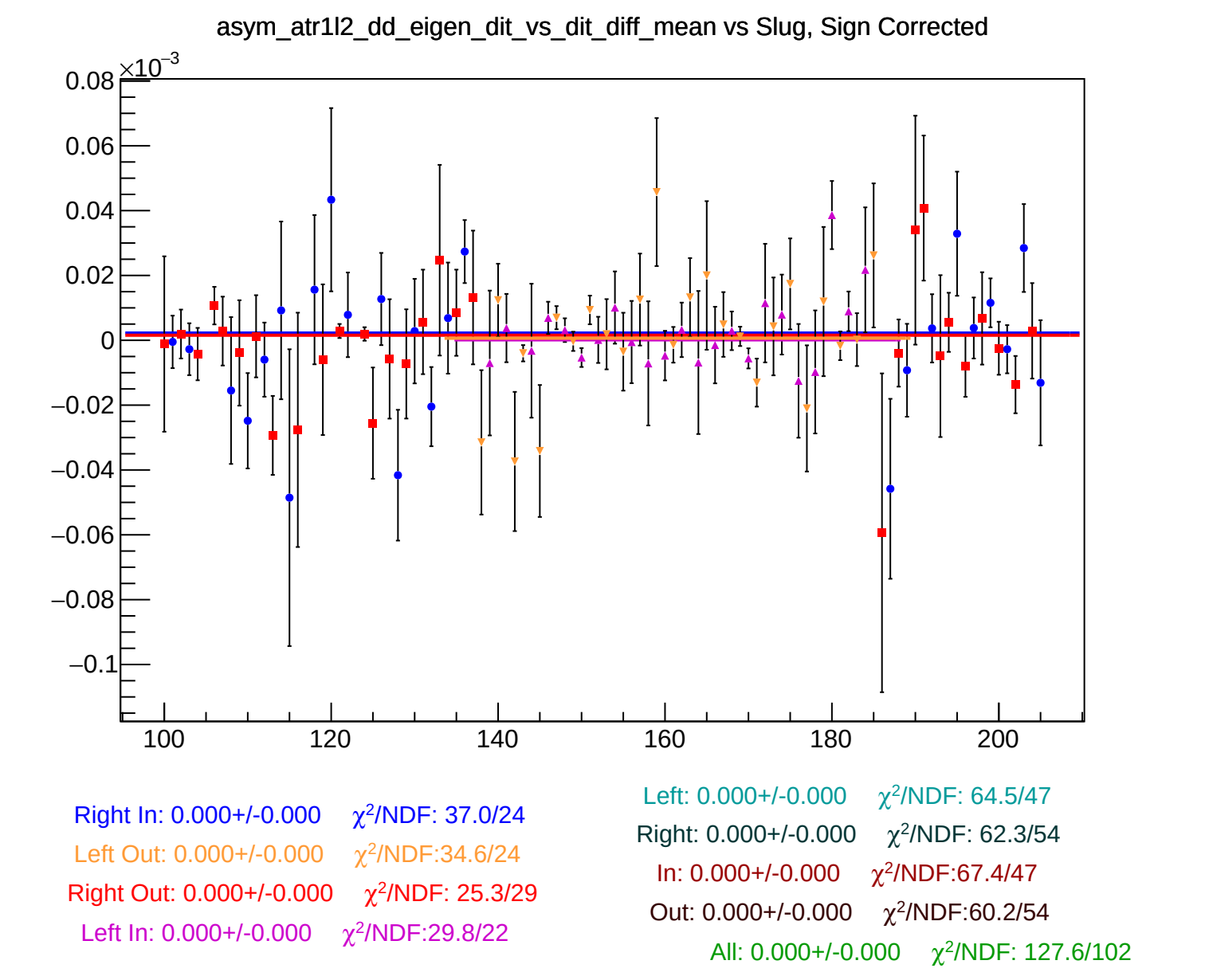
Left: 304.603+/-0.039 χ^2/NDF: 11449555.3/47

Right: 122.053+/-0.018 χ^2/NDF: 6891463.7/54

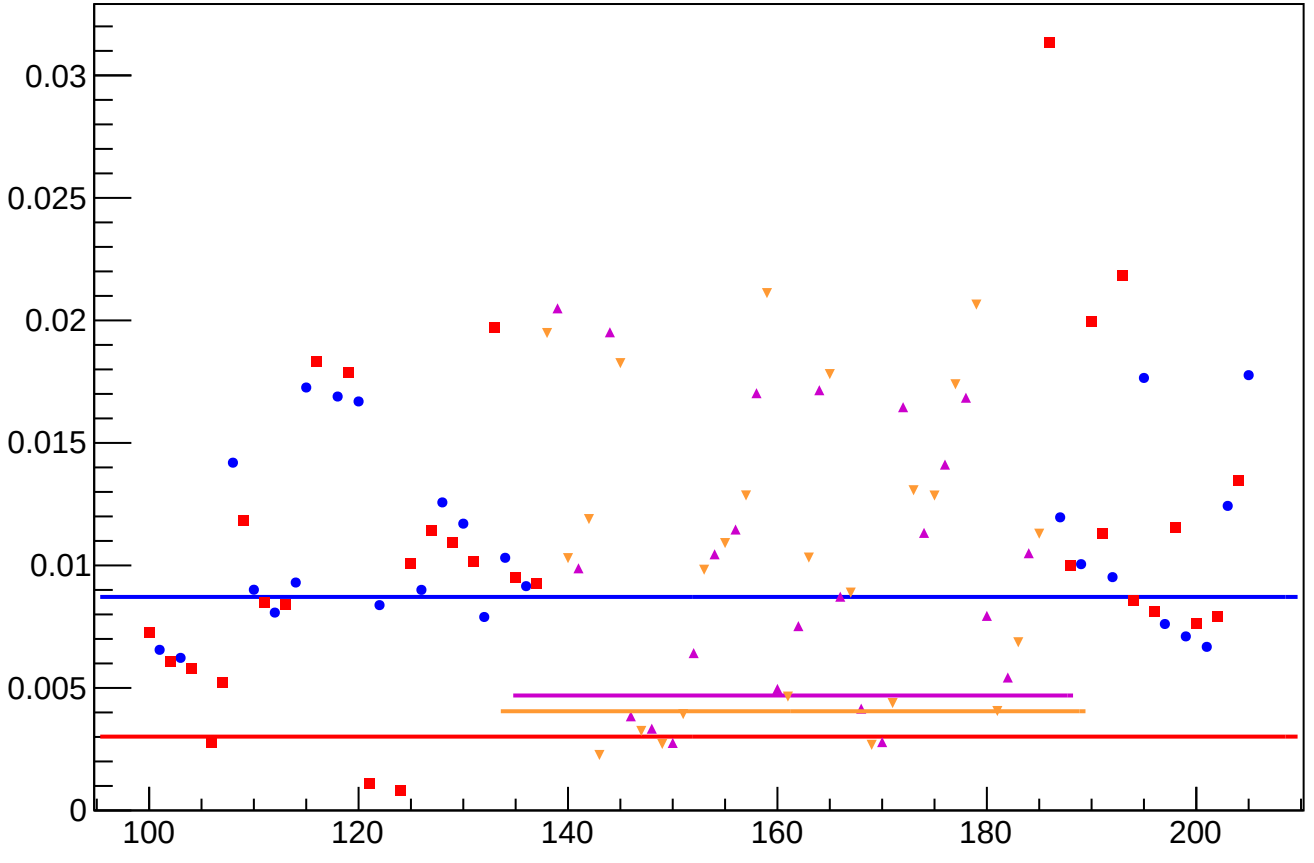
In: 161.581+/-0.024 χ^2/NDF:15475893.1/47

Out: 146.240+/-0.022 χ^2/NDF:20972815.7/54

All: 153.329+/-0.016 χ^2/NDF: 36675387.5/10


asym_atr1l2_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: 37.0/24
Left Out: 0.000+/-0.000 χ²/NDF:34.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.3/29
Left In: 0.000+/-0.000 χ²/NDF:29.8/22
Left: 0.000+/-0.000 χ²/NDF: 64.5/47
Right: 0.000+/-0.000 χ²/NDF: 62.3/54
In: 0.000+/-0.000 χ²/NDF:67.4/47
Out: 0.000+/-0.000 χ²/NDF:60.2/54
All: 0.000+/-0.000 χ²/NDF: 127.6/102

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 2467484.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:13552895.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 17659690.2/29

Left In: 0.005+/-0.000 χ^2/NDF:10859759.8/22

Left: 0.004+/-0.000 χ^2/NDF: 24656660.1/47

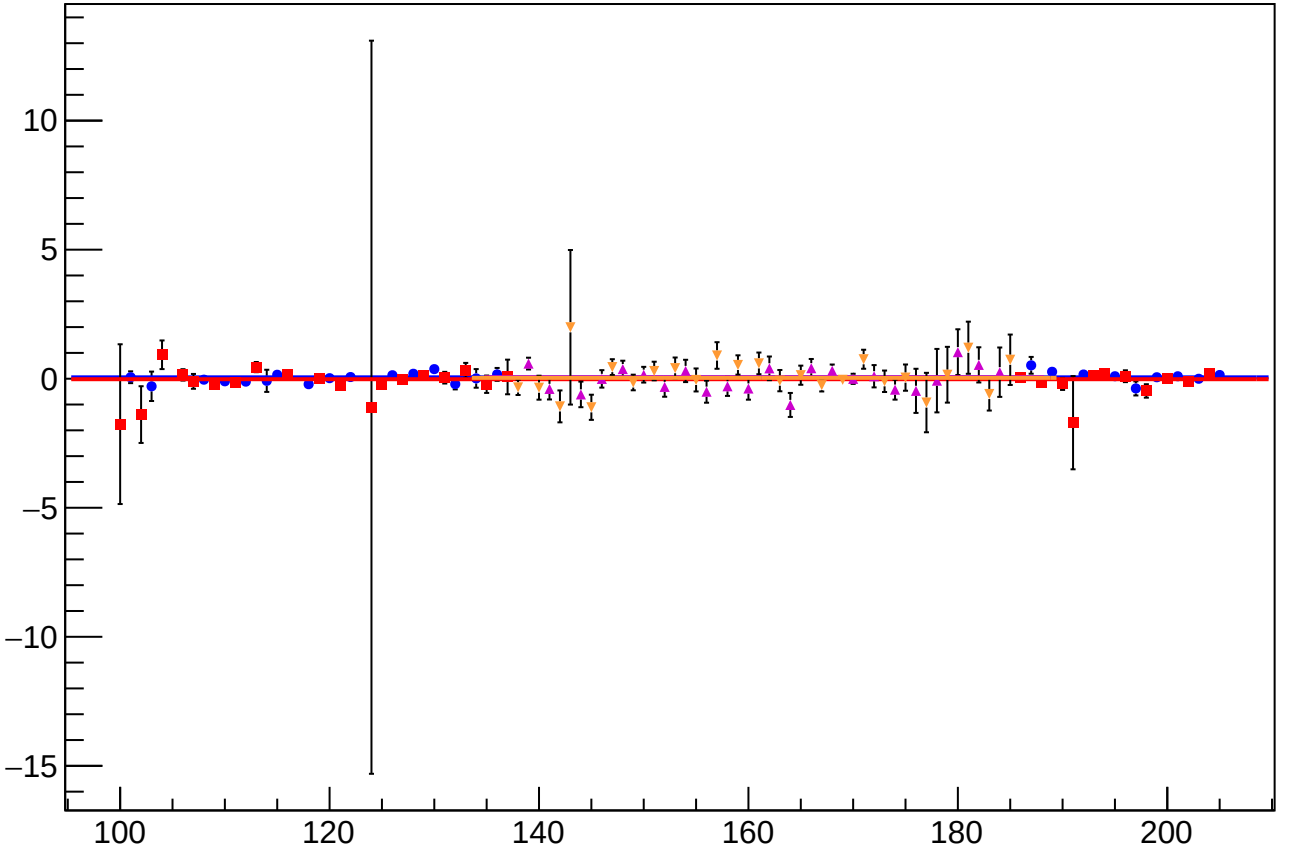
Right: 0.004+/-0.000 χ^2/NDF: 28466264.1/54

In: 0.006+/-0.000 χ^2/NDF:17284937.9/47

Out: 0.004+/-0.000 χ^2/NDF:31926765.4/54

All: 0.004+/-0.000 χ^2/NDF: 53144991.5/102

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

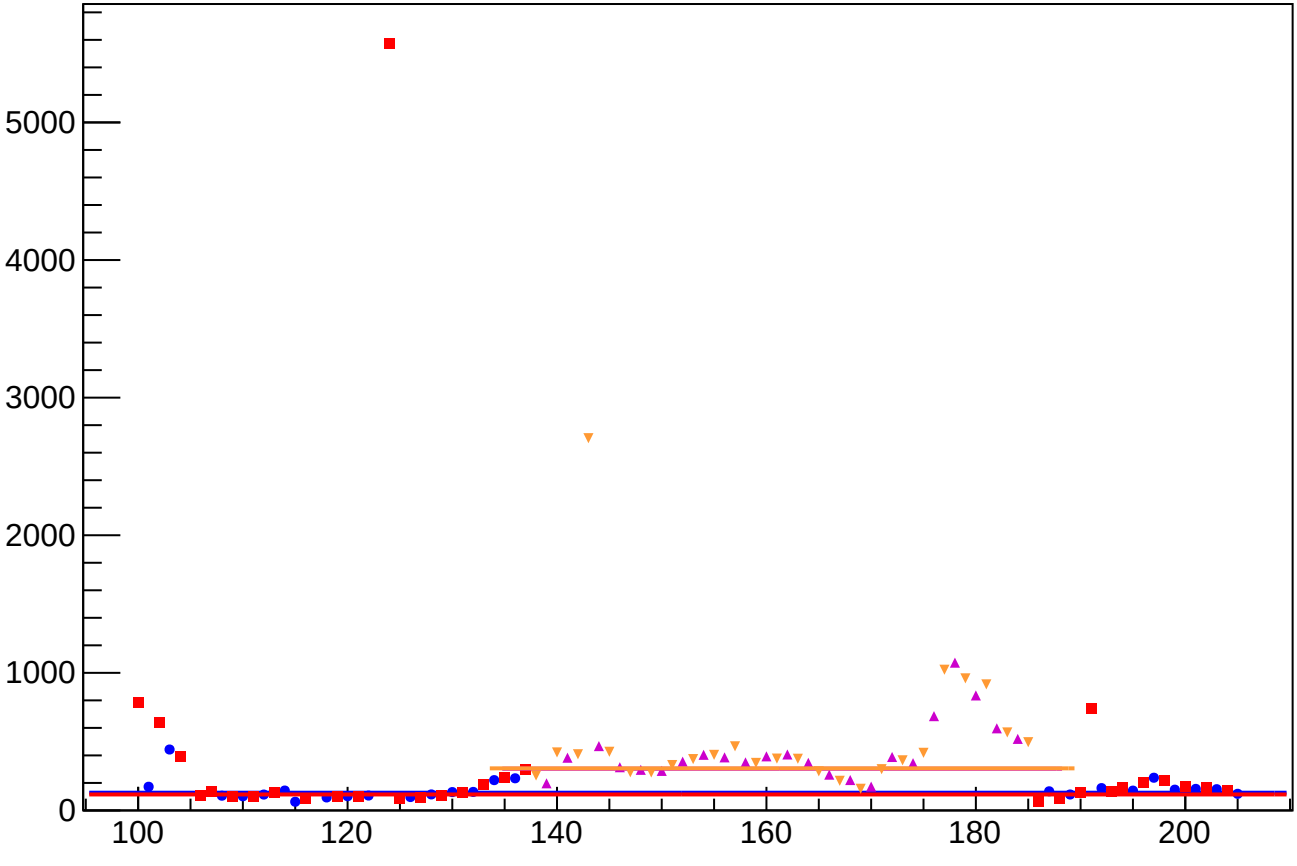
Right: 0.014+/-0.025 χ^2/NDF: 55.5/54

In: 0.054+/-0.033 χ^2/NDF:45.8/47

Out: -0.011+/-0.031 χ^2/NDF:64.5/54

All: 0.019+/-0.023 χ^2/NDF: 112.3/102

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.010+/-0.026 χ^2/NDF: 2398568.3/24

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.284+/-0.024 χ^2/NDF: 4363798.2/29

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

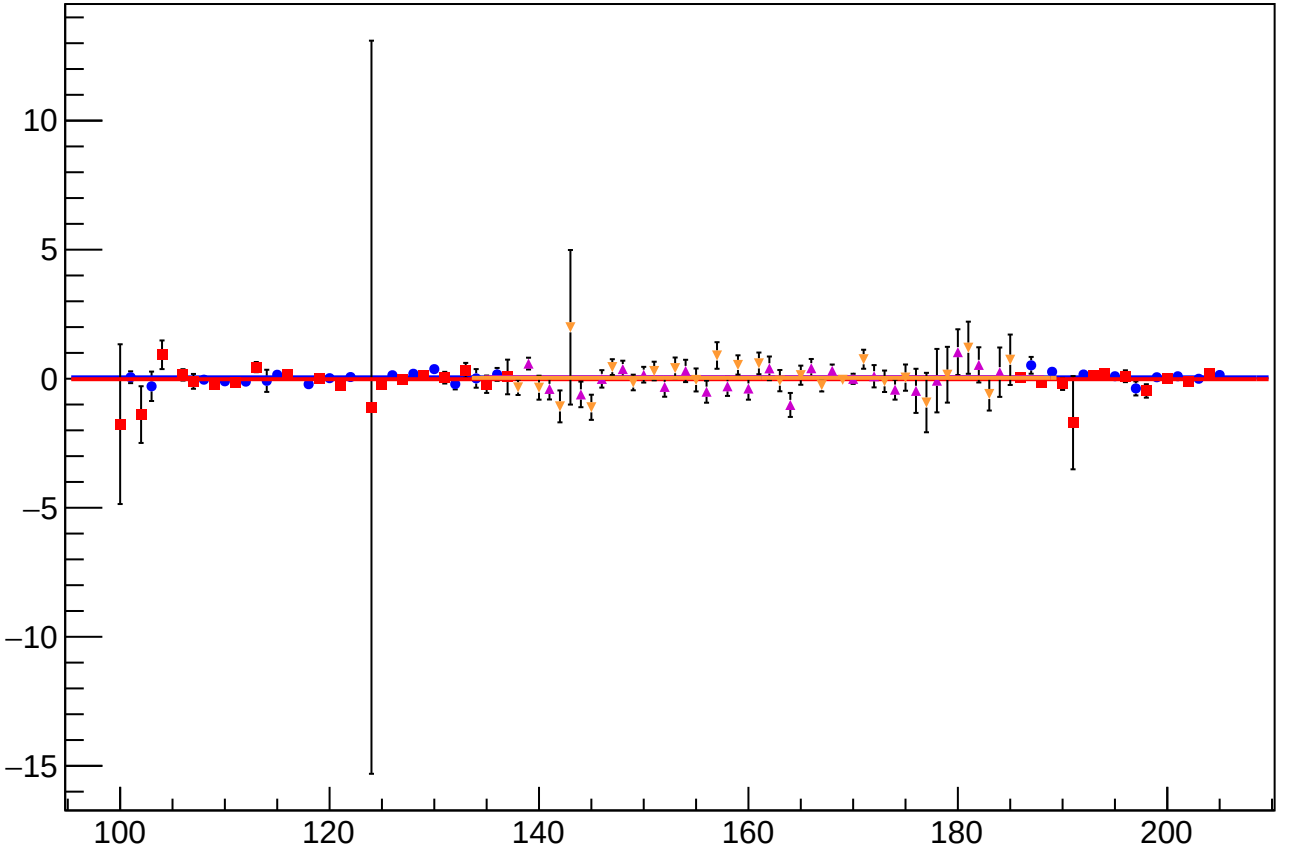
Right: 122.054+/-0.018 χ^2/NDF: 6891250.2/54

In: 161.582+/-0.024 χ^2/NDF:15475955.0/47

Out: 146.241+/-0.022 χ^2/NDF:20972651.1/54

All: 153.329+/-0.016 χ^2/NDF: 36675271.5/10

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: -0.019+/-0.034 χ^2/NDF: 33.6/29

Left In: 0.056+/-0.077 χ^2/NDF:26.0/22

Left: 0.045+/-0.055 χ^2/NDF: 56.5/47

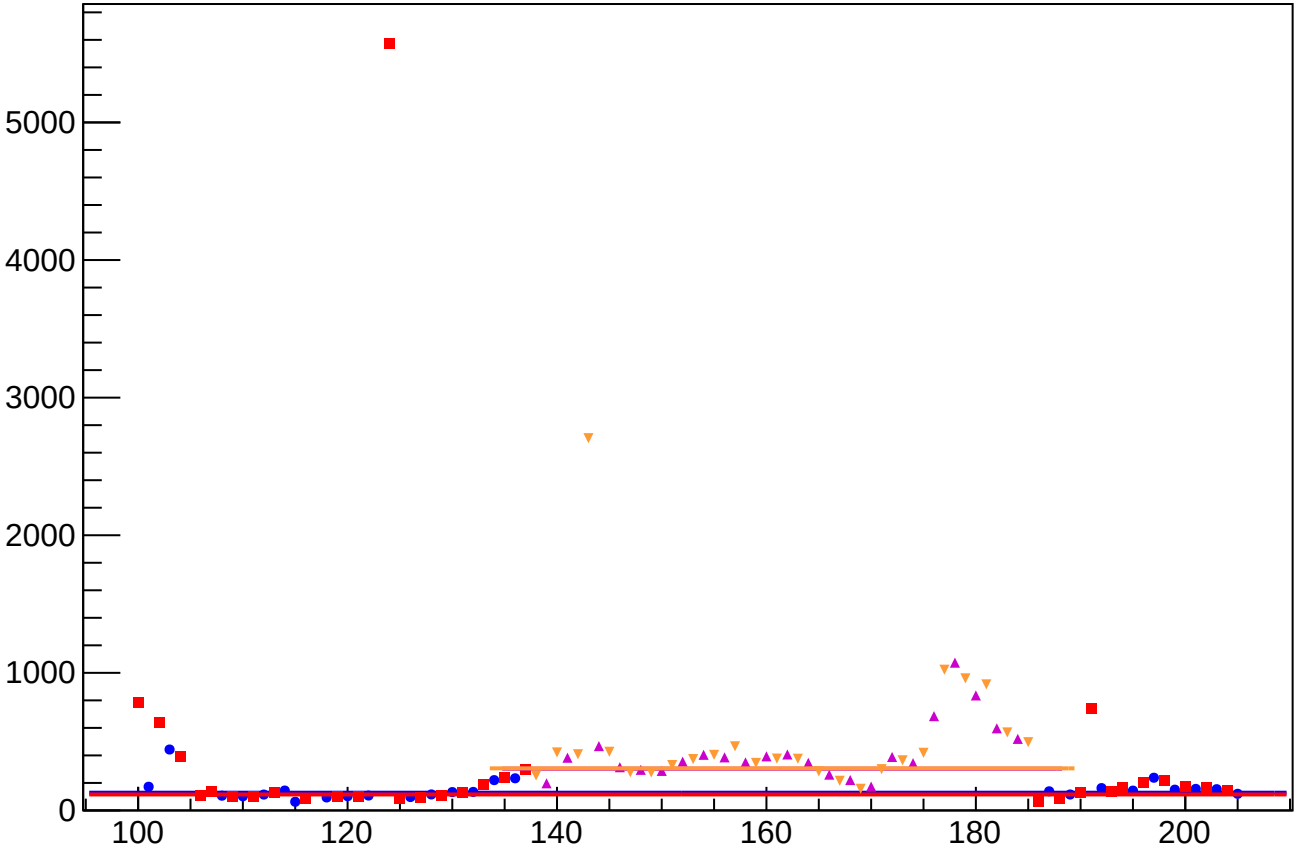
Right: 0.014+/-0.025 χ^2/NDF: 55.5/54

In: 0.054+/-0.033 χ^2/NDF:45.8/47

Out: -0.011+/-0.031 χ^2/NDF:64.5/54

All: 0.019+/-0.023 χ^2/NDF: 112.3/102

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.010+/-0.026 χ^2/NDF: 2398568.3/24

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

Right Out: 116.284+/-0.024 χ^2/NDF: 4363798.2/29

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

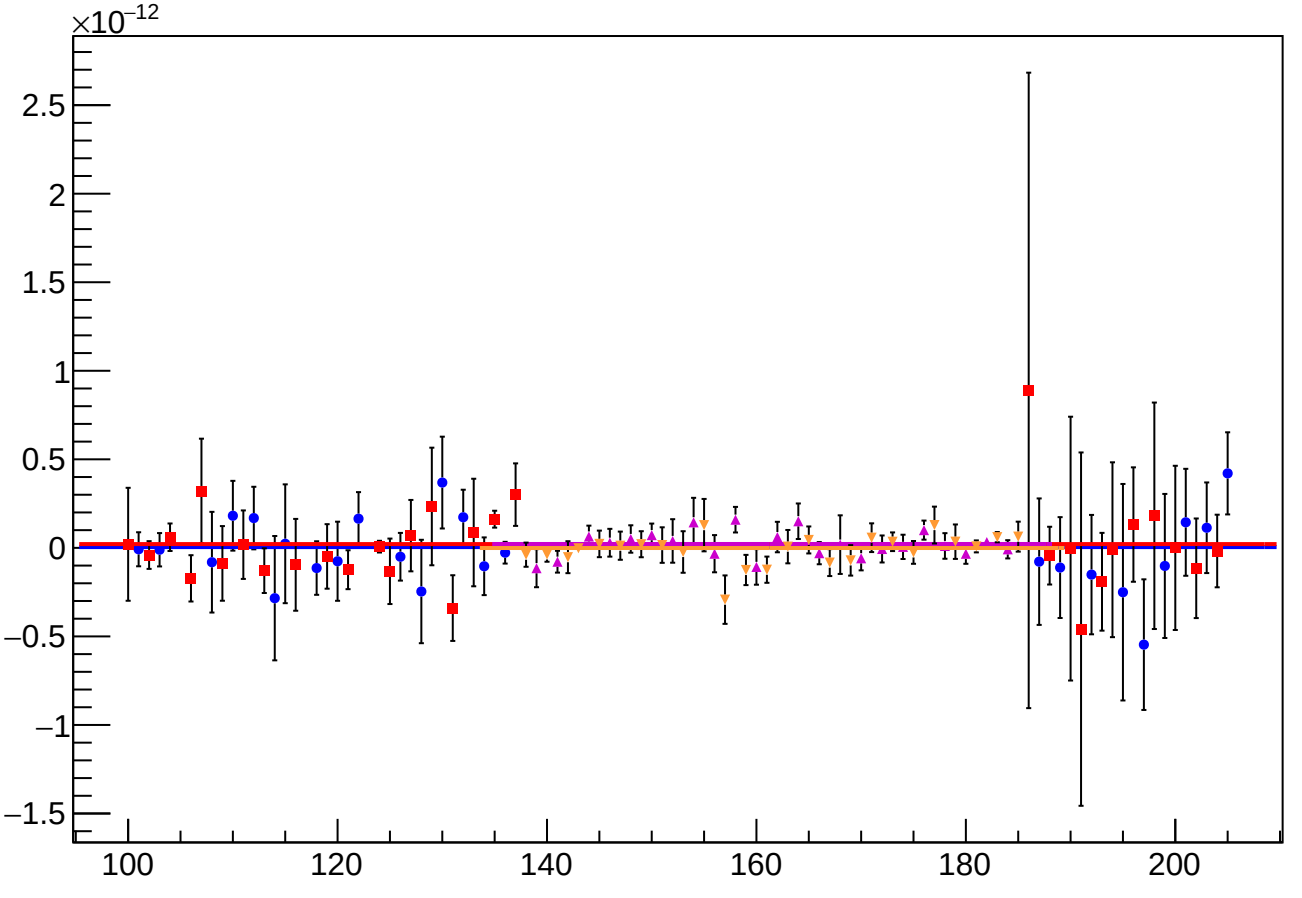
Left: 304.605+/-0.039 χ^2/NDF: 11449609.9/47

Right: 122.054+/-0.018 χ^2/NDF: 6891250.2/54

In: 161.582+/-0.024 χ^2/NDF:15475955.0/47

Out: 146.241+/-0.022 χ^2/NDF:20972651.1/54

All: 153.329+/-0.016 χ^2/NDF: 36675271.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

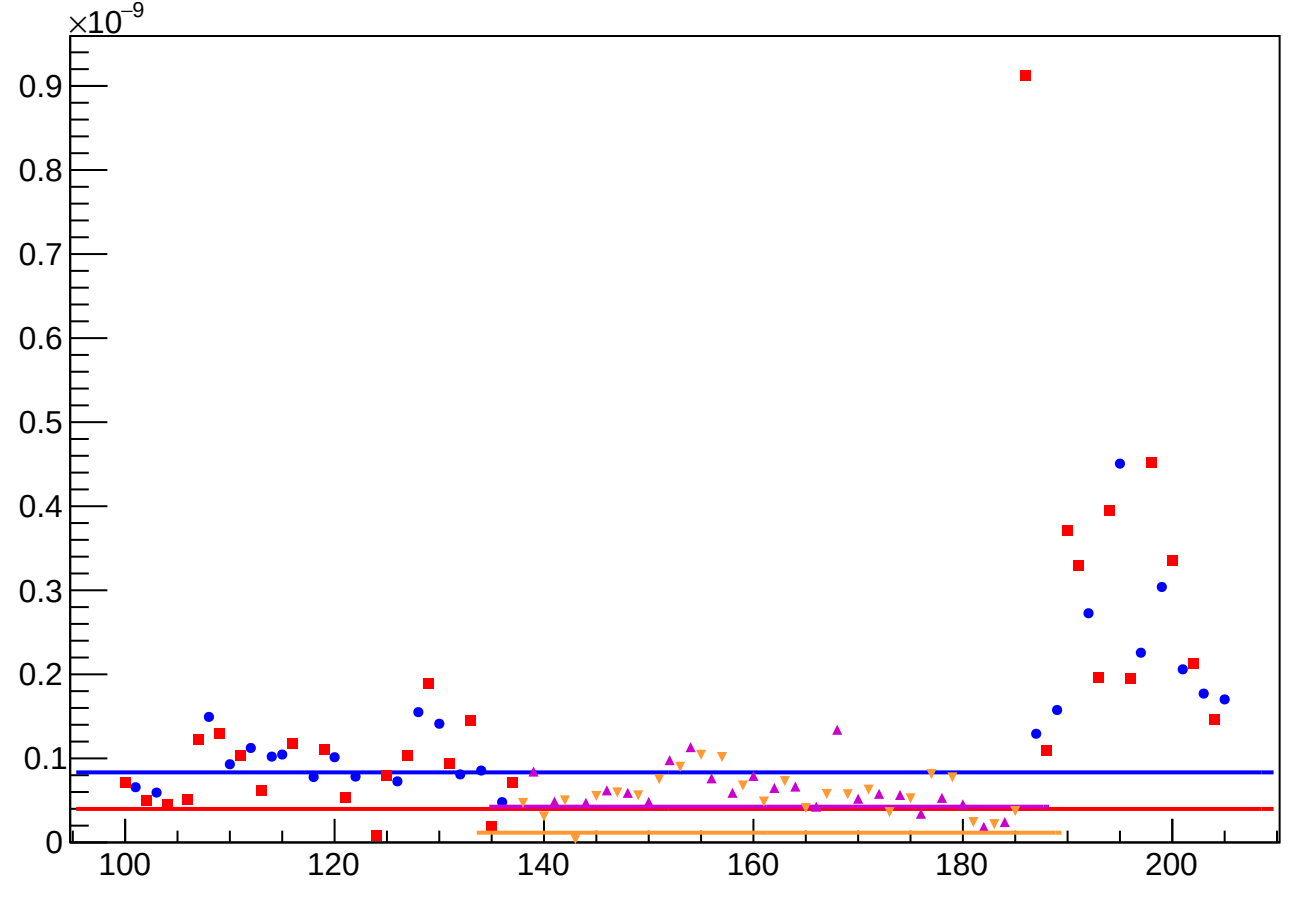
Left: 0.000+/-0.000 χ^2/NDF: 44.0/47

Right: 0.000+/-0.000 χ^2/NDF: 41.8/54

In: 0.000+/-0.000 χ^2/NDF:35.4/47

Out: 0.000+/-0.000 χ^2/NDF:49.0/54

All: 0.000+/-0.000 χ^2/NDF: 86.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 4581375.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11169206.1/29

Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

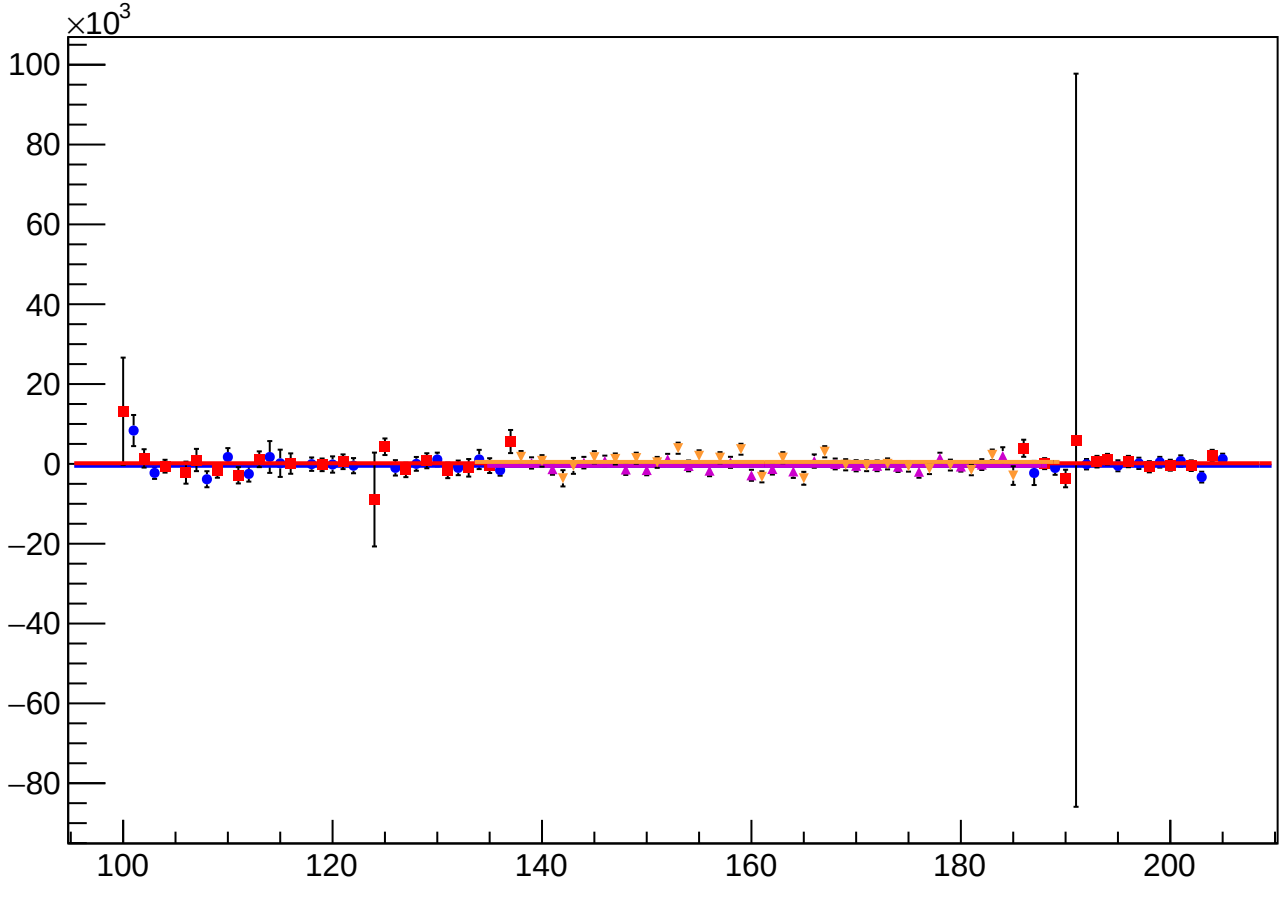
Left: 0.000+/-0.000 χ^2/NDF: 32408011.0/47

Right: 0.000+/-0.000 χ^2/NDF: 18243852.6/54

In: 0.000+/-0.000 χ^2/NDF:12672765.7/47

Out: 0.000+/-0.000 χ^2/NDF:32367069.1/54

All: 0.000+/-0.000 χ^2/NDF: 58143960.7/102



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 157.833+/-336.785 χ^2/NDF: 25.7/29

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

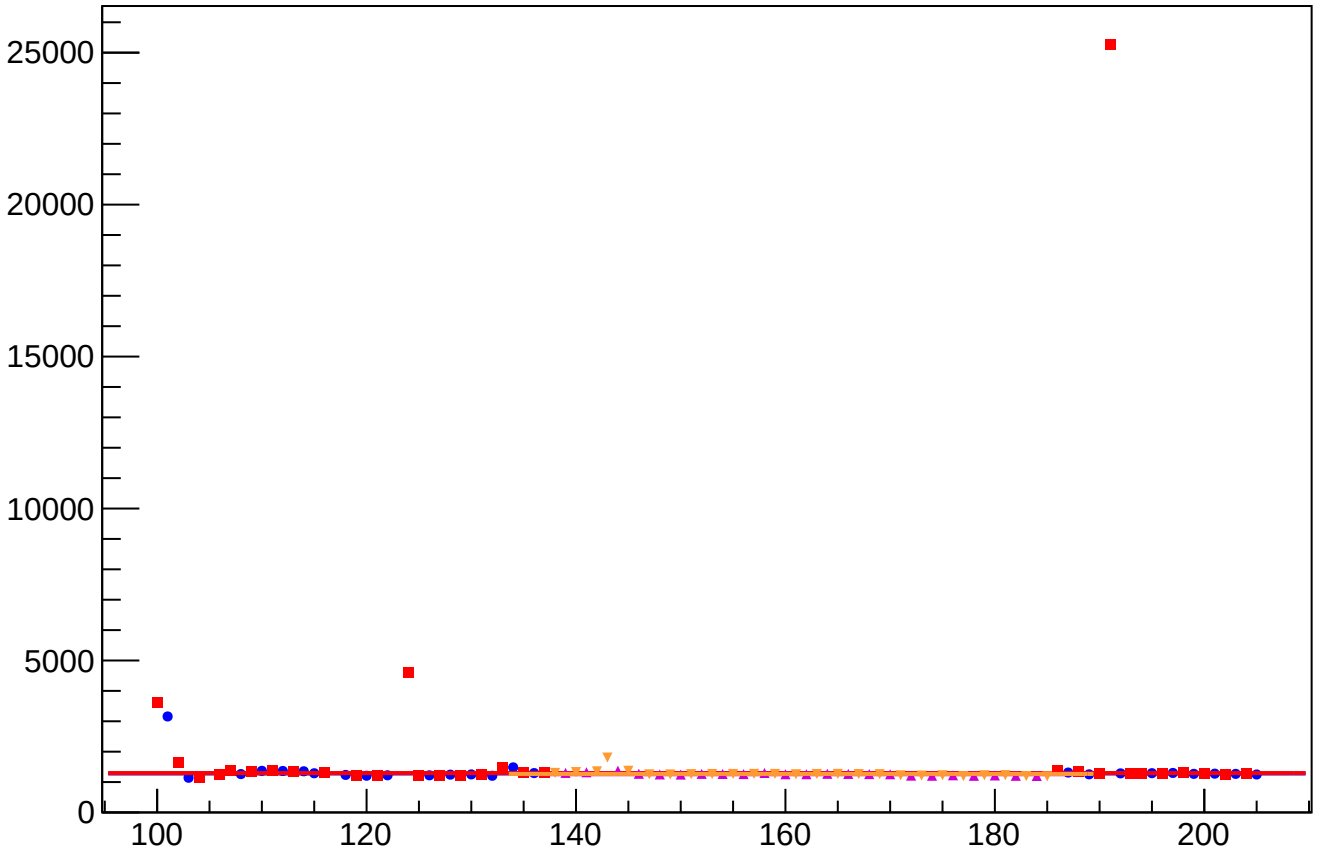
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -152.109+/-240.999 χ^2/NDF: 49.4/54

In: -482.852+/-223.671 χ^2/NDF:36.3/47

Out: 350.607+/-219.099 χ^2/NDF:73.2/54

All: -57.517+/-156.518 χ^2/NDF: 116.6/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

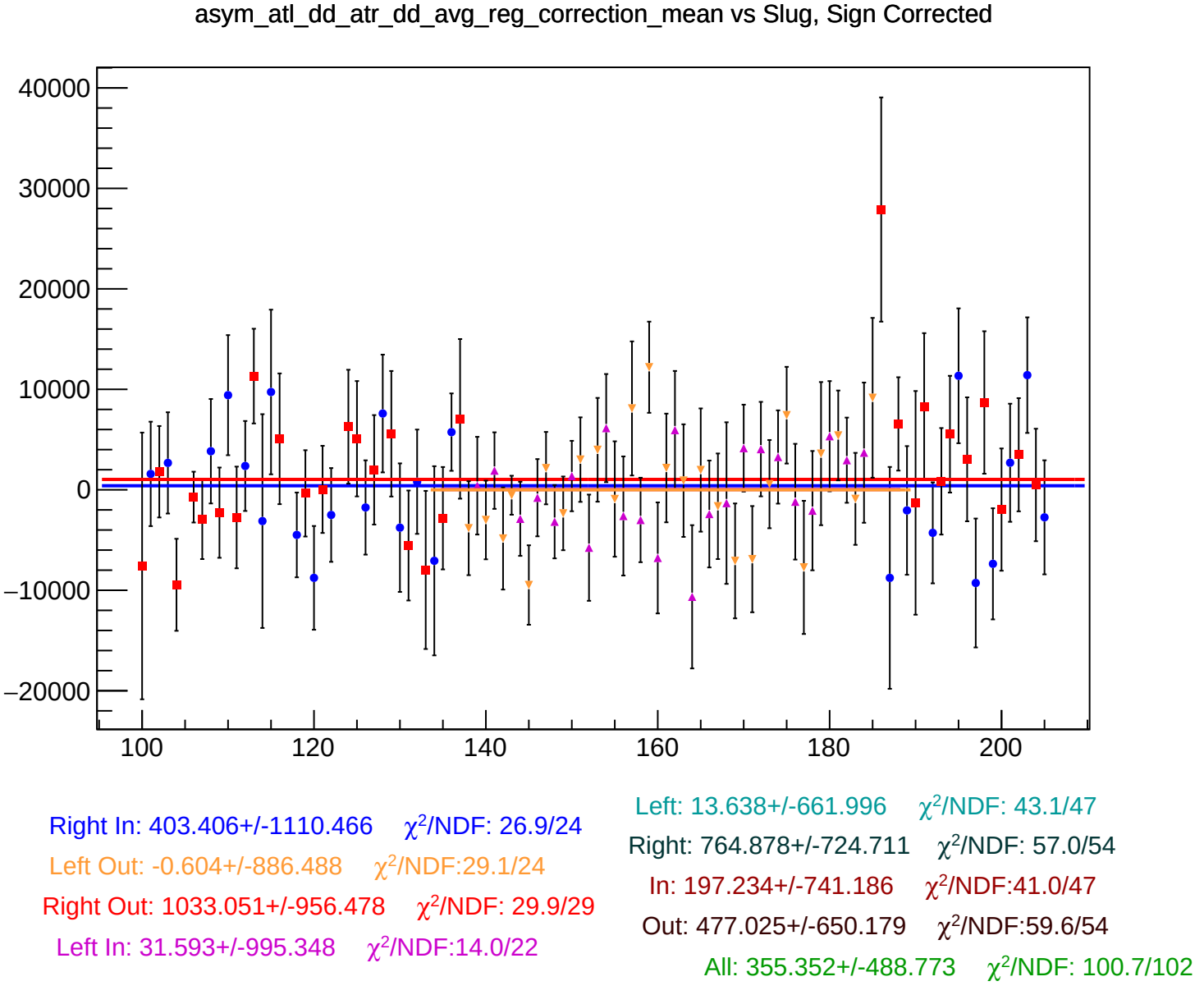
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

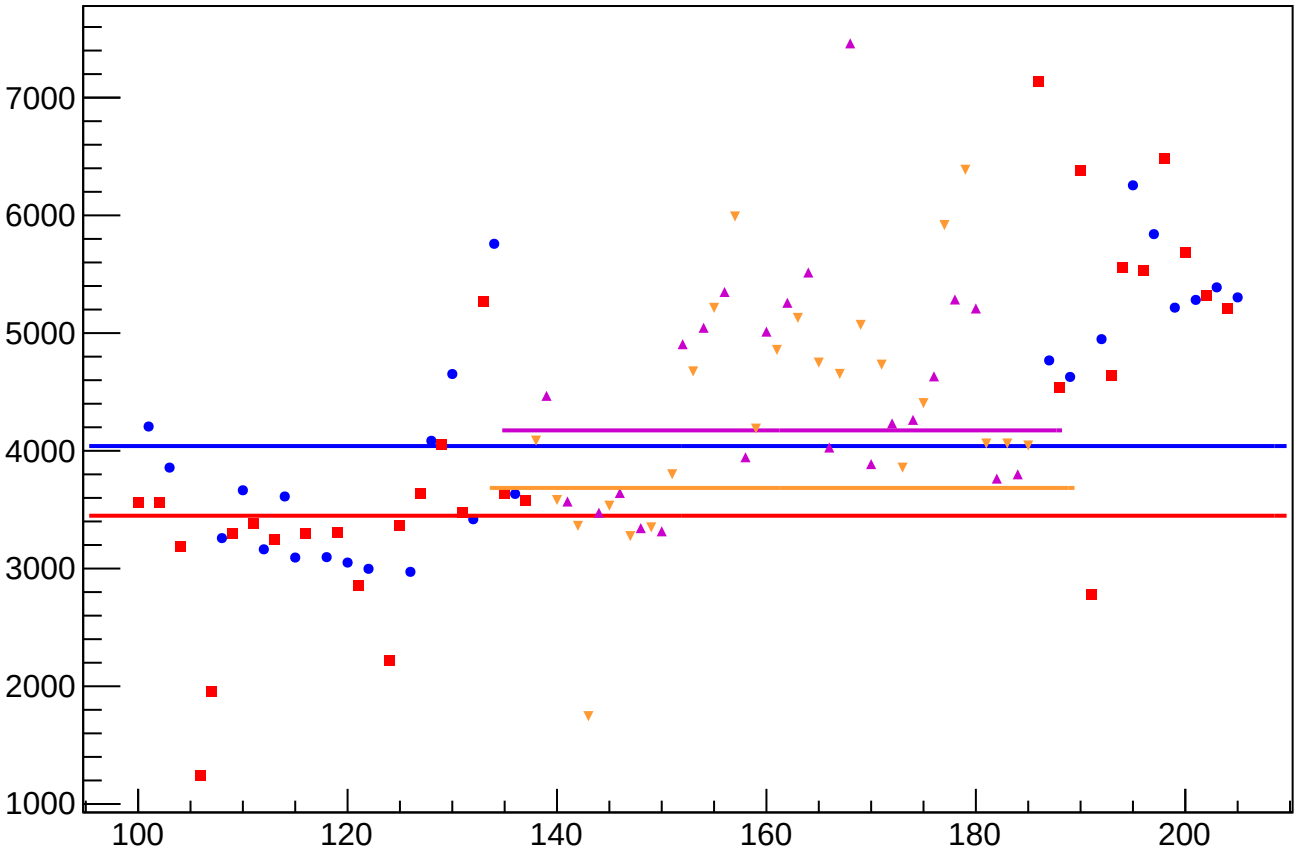
Right: 1289.364+/-0.170 χ^2/NDF: 987391.2/54

In: 1268.199+/-0.158 χ^2/NDF:560967.5/47

Out: 1279.069+/-0.155 χ^2/NDF:663965.9/54

All: 1273.750+/-0.111 χ^2/NDF: 1227345.3/10


asym_atl_dd_atr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 403.406+/-1110.466 χ²/NDF: 26.9/24
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 1033.051+/-956.478 χ²/NDF: 29.9/29
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 764.878+/-724.711 χ²/NDF: 57.0/54
In: 197.234+/-741.186 χ²/NDF:41.0/47
Out: 477.025+/-650.179 χ²/NDF:59.6/54
All: 355.352+/-488.773 χ²/NDF: 100.7/102



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

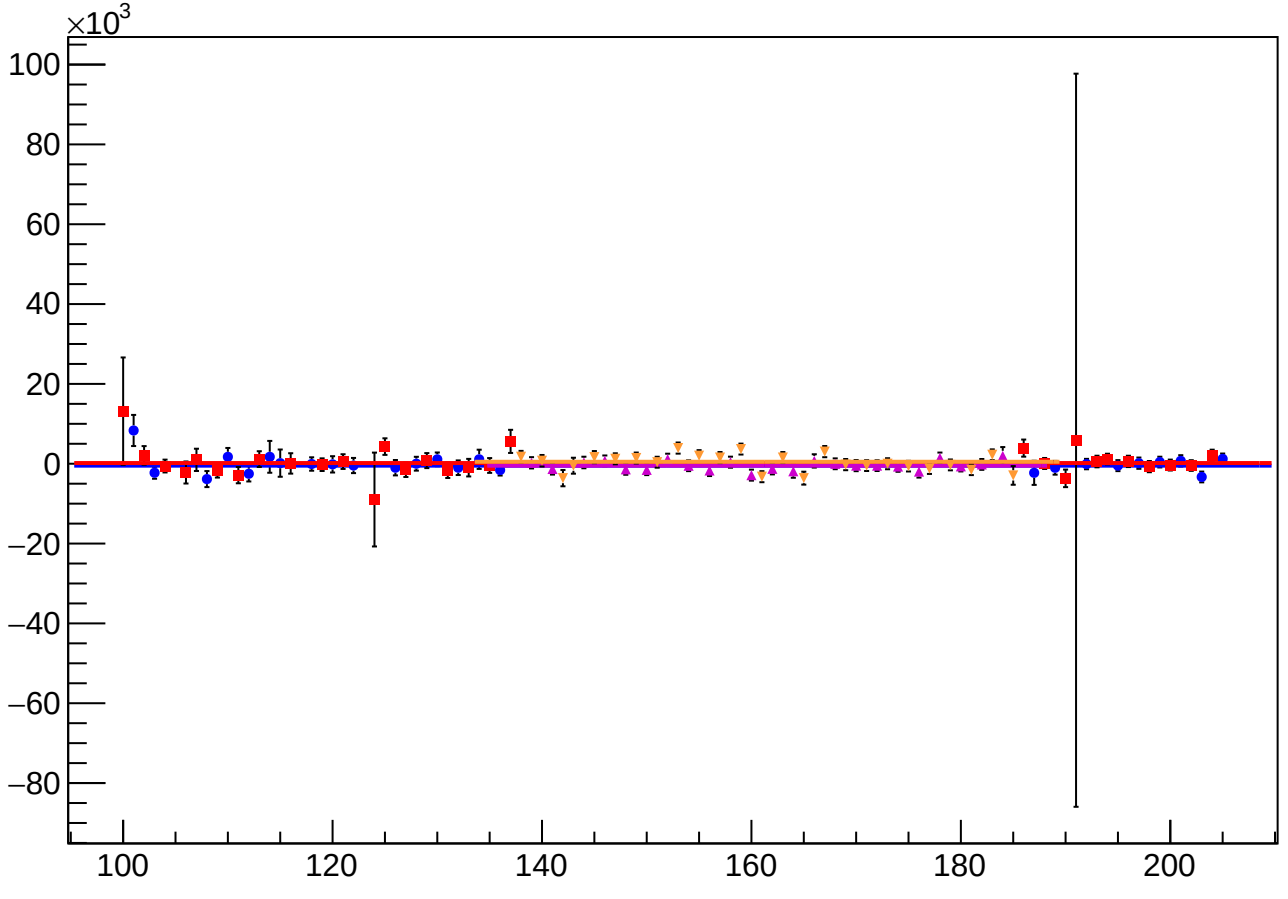
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3700.734+/-0.512 χ^2/NDF: 6074095.8/54

In: 4114.246+/-0.524 χ^2/NDF:2823029.3/47

Out: 3575.697+/-0.460 χ^2/NDF:7975155.8/54

All: 3809.896+/-0.346 χ^2/NDF: 11394910.5/1



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

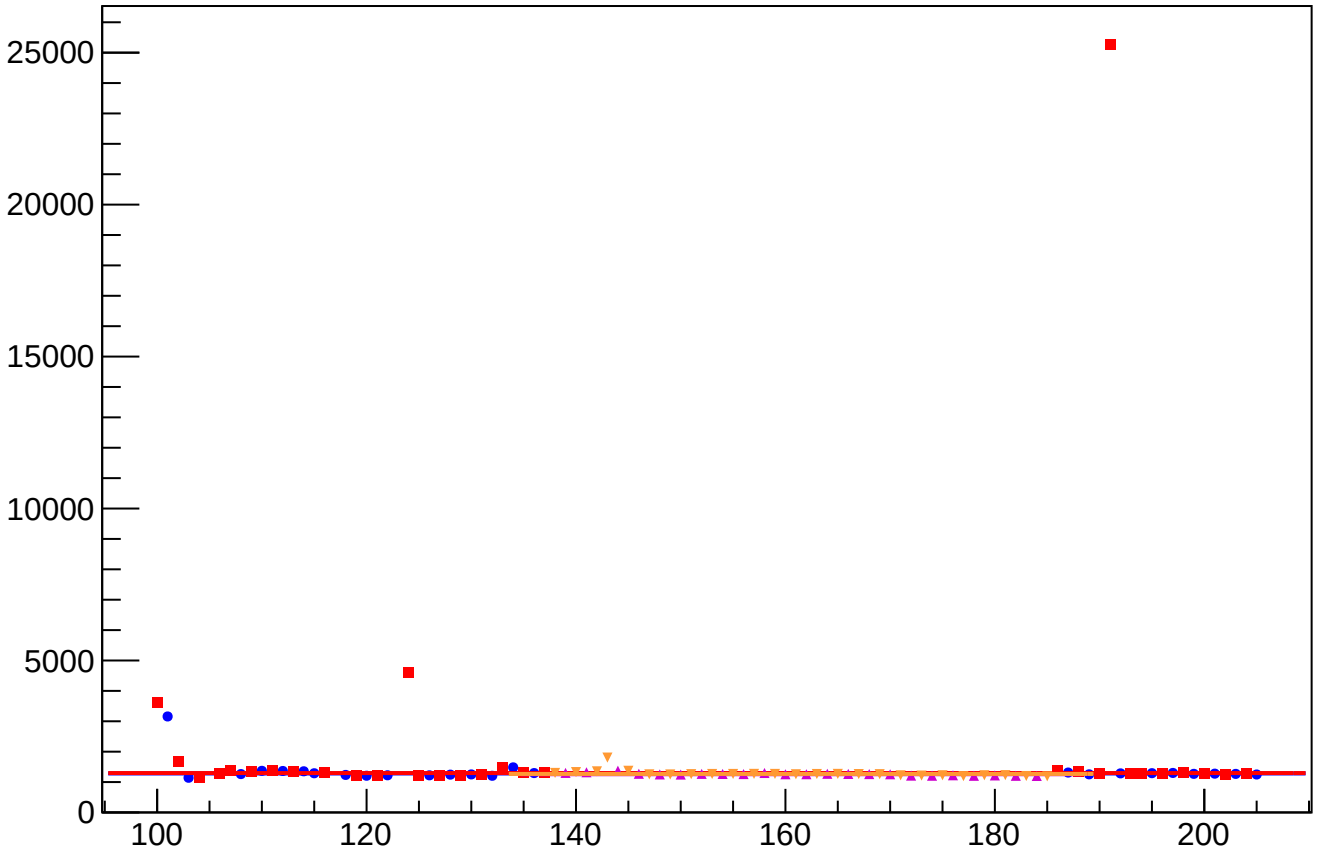
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -145.141+/-241.038 χ^2/NDF: 49.8/54

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -54.532+/-156.528 χ^2/NDF: 117.0/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

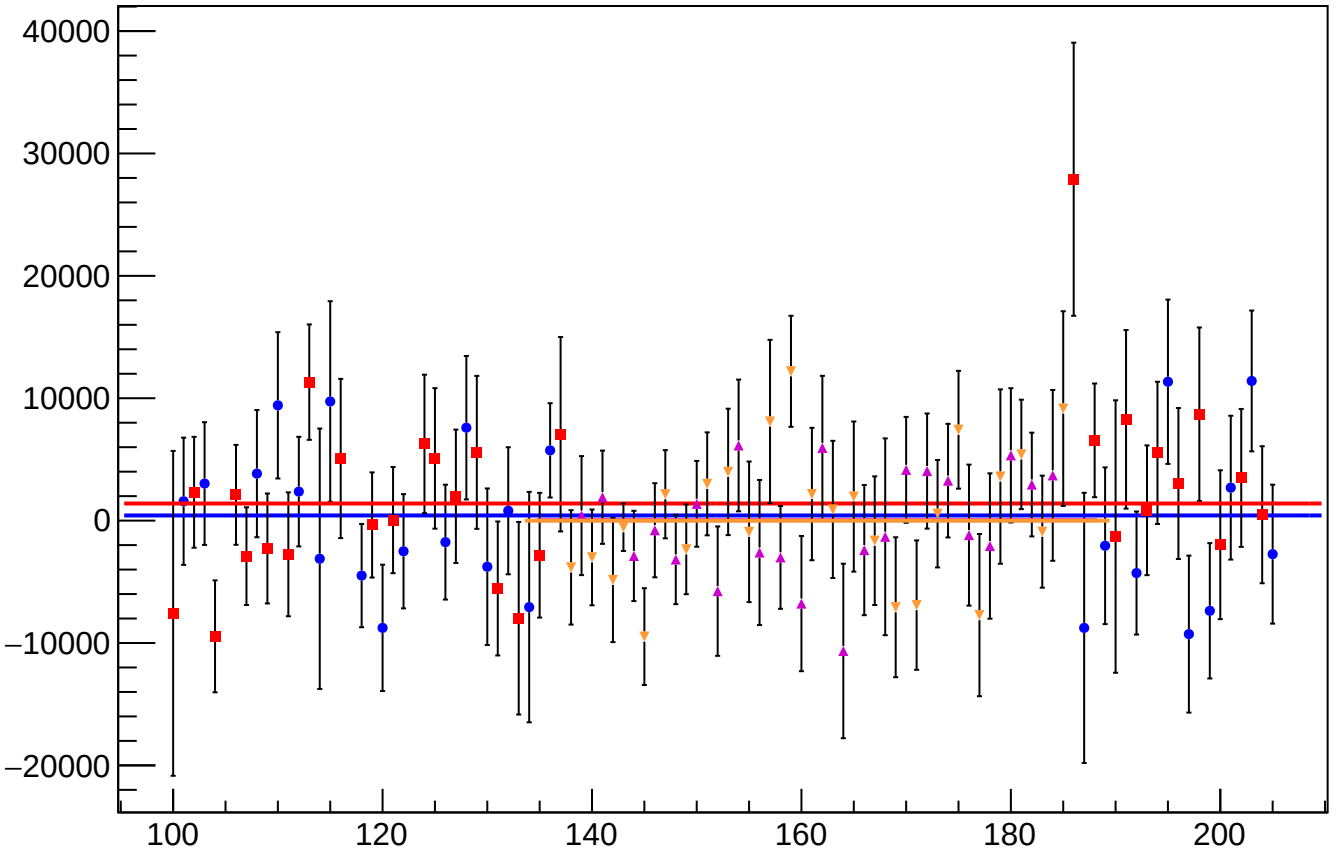
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1289.853+/-0.170 χ^2/NDF: 994267.4/54

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

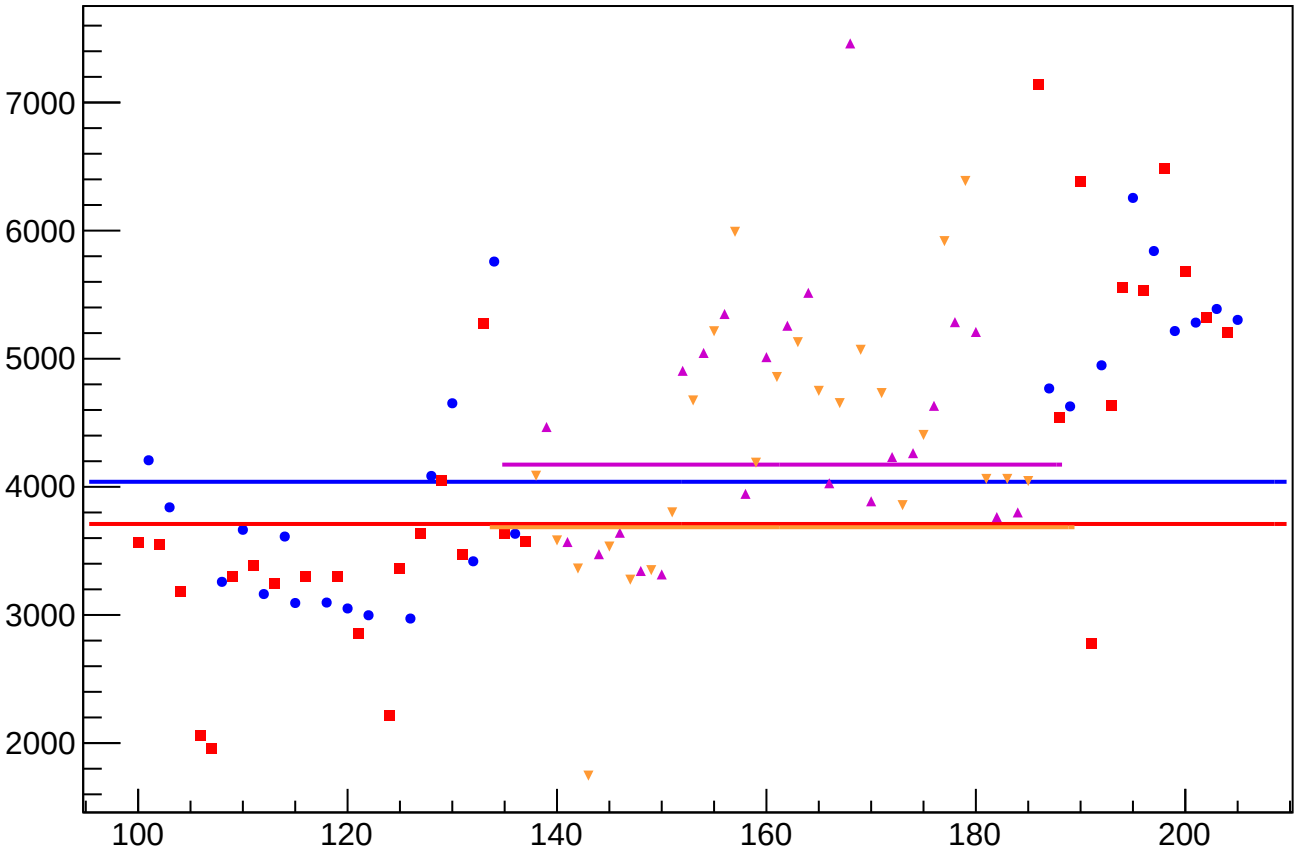
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 960.147+/-743.559 χ^2/NDF: 56.8/54

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 432.172+/-494.433 χ^2/NDF: 100.8/102



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

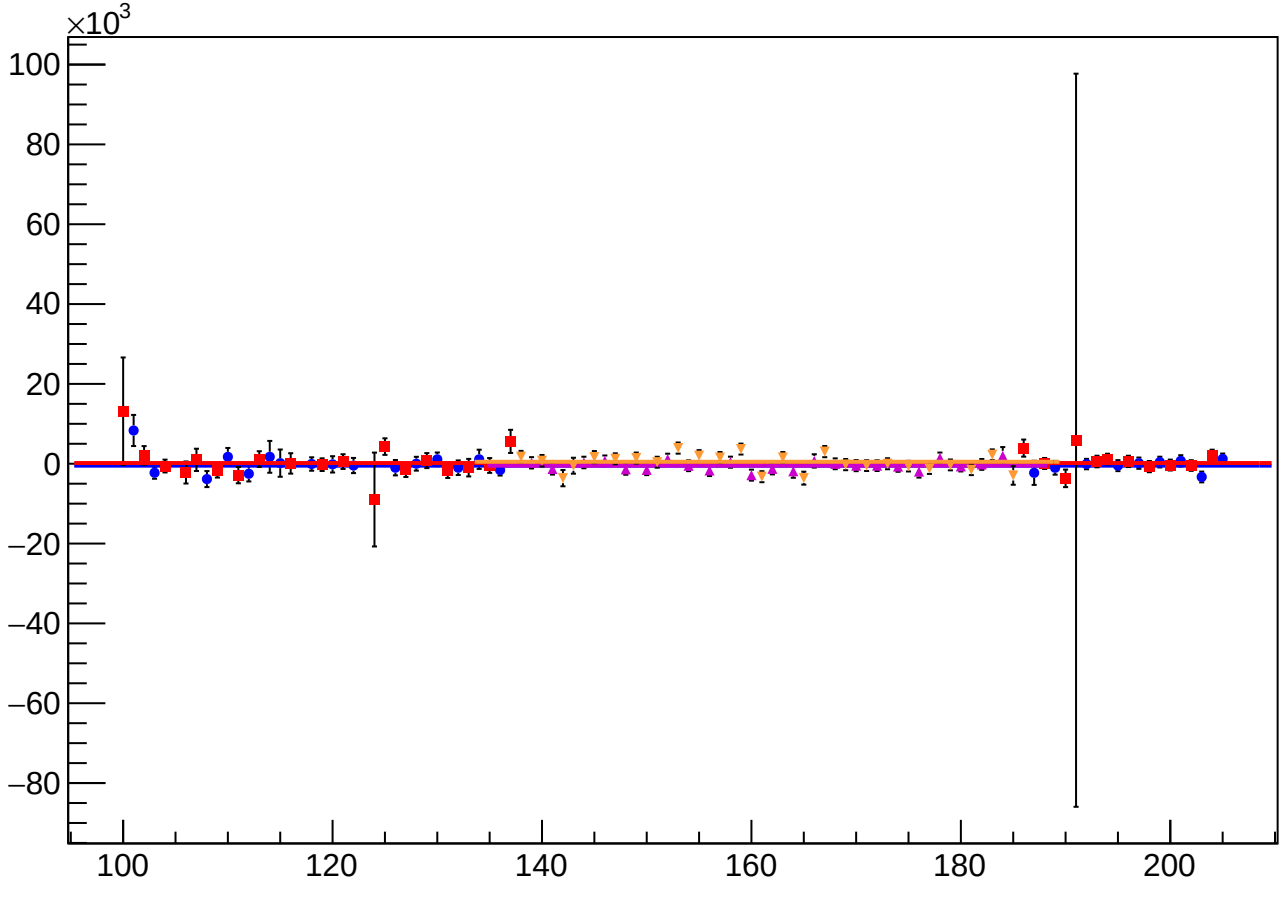
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3857.970+/-0.526 χ^2/NDF: 4417396.3/54

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

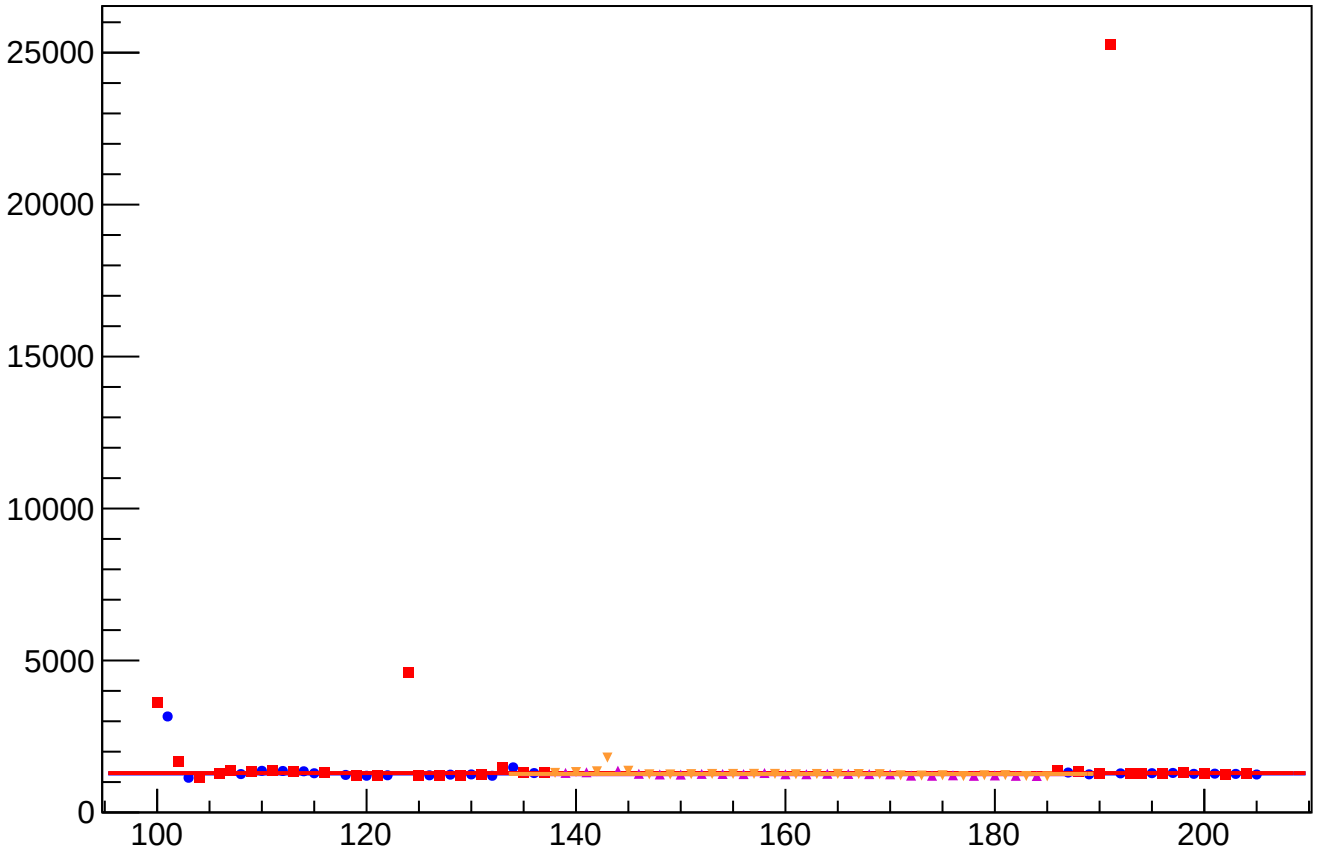
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -145.141+/-241.038 χ^2/NDF: 49.8/54

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -54.532+/-156.528 χ^2/NDF: 117.0/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

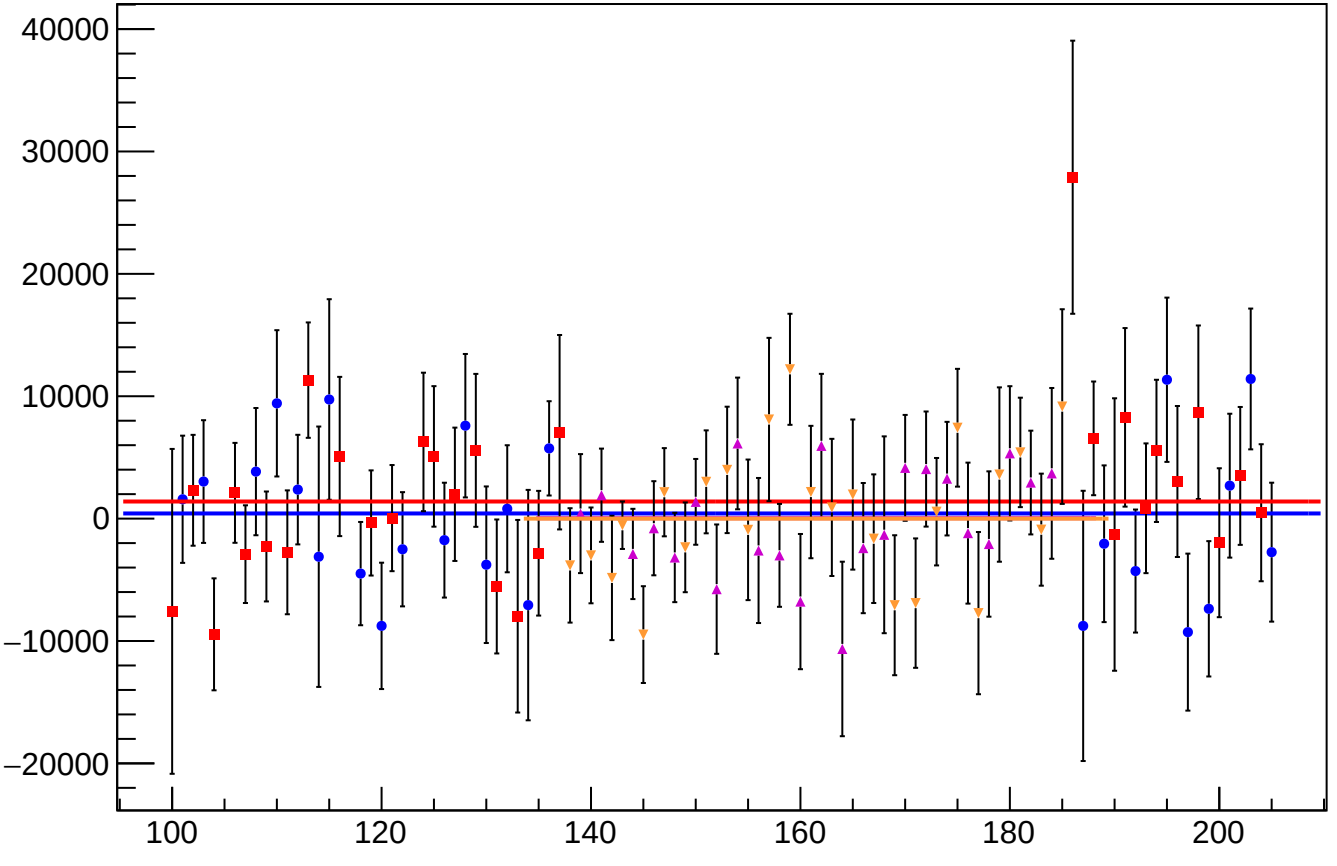
Right: 1289.853+/-0.170 χ^2/NDF: 994267.4/54

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

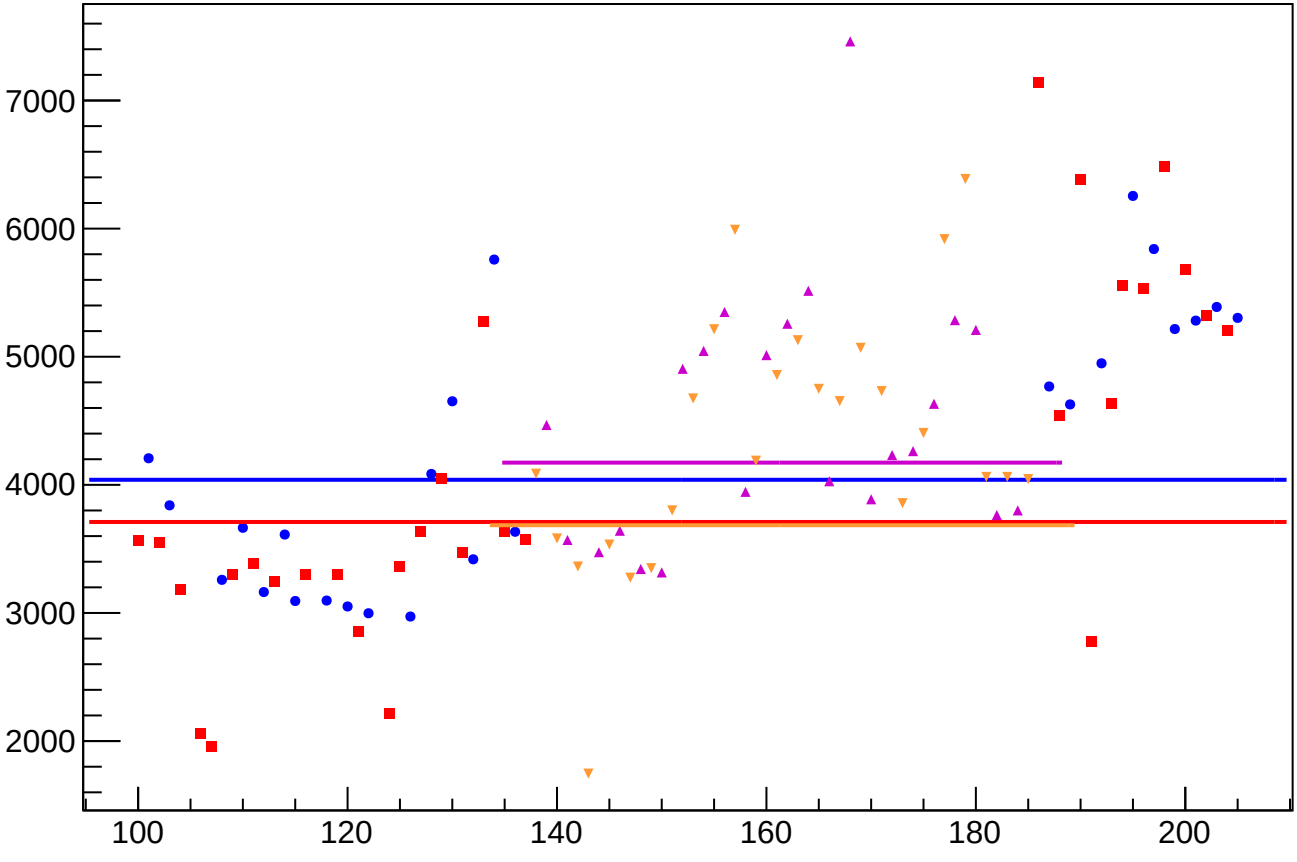
Right: 960.147+/-743.559 χ^2/NDF: 56.8/54

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 432.172+/-494.433 χ^2/NDF: 100.8/102

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

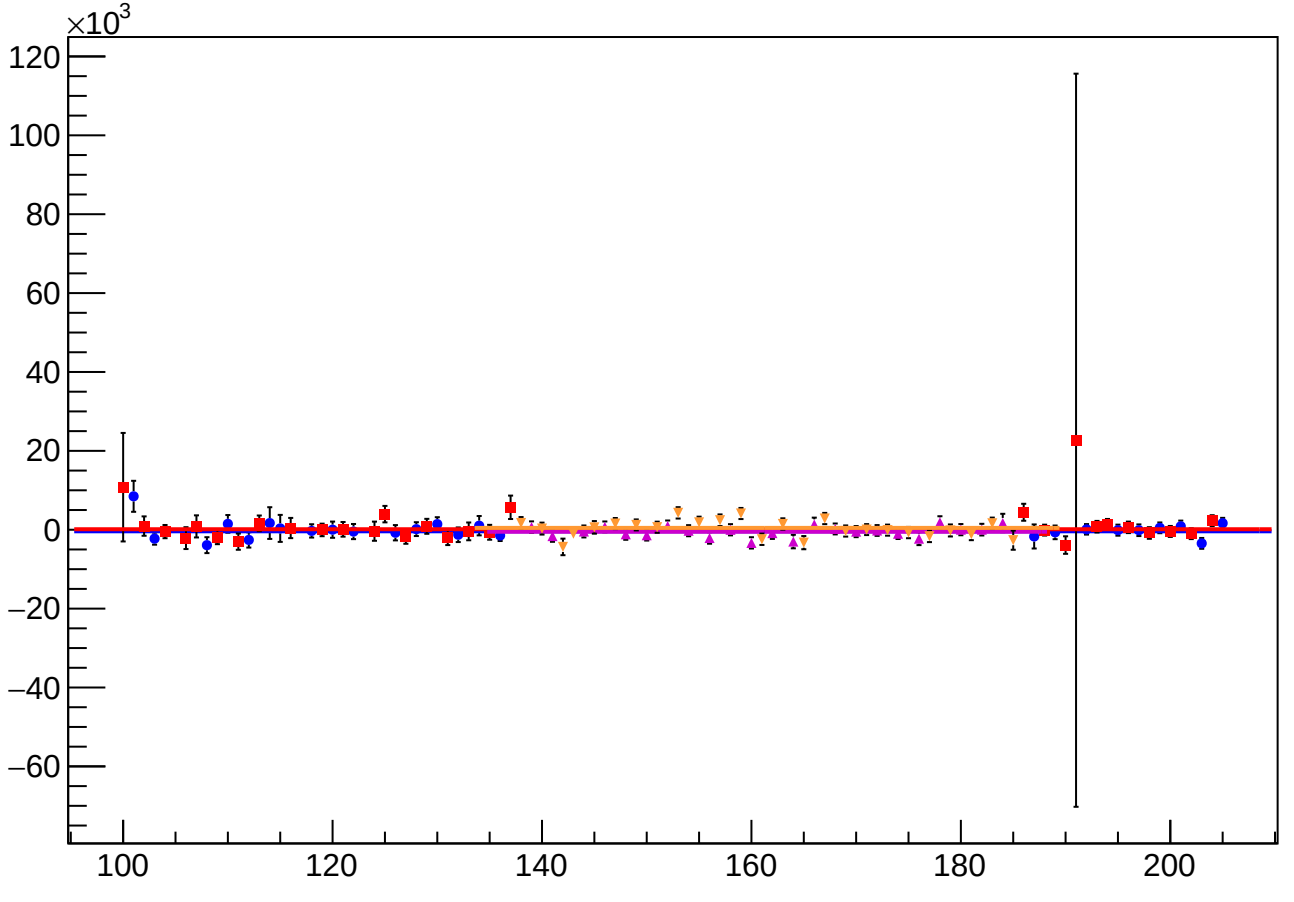
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3857.970+/-0.526 χ^2/NDF: 4417396.3/54

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.590+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

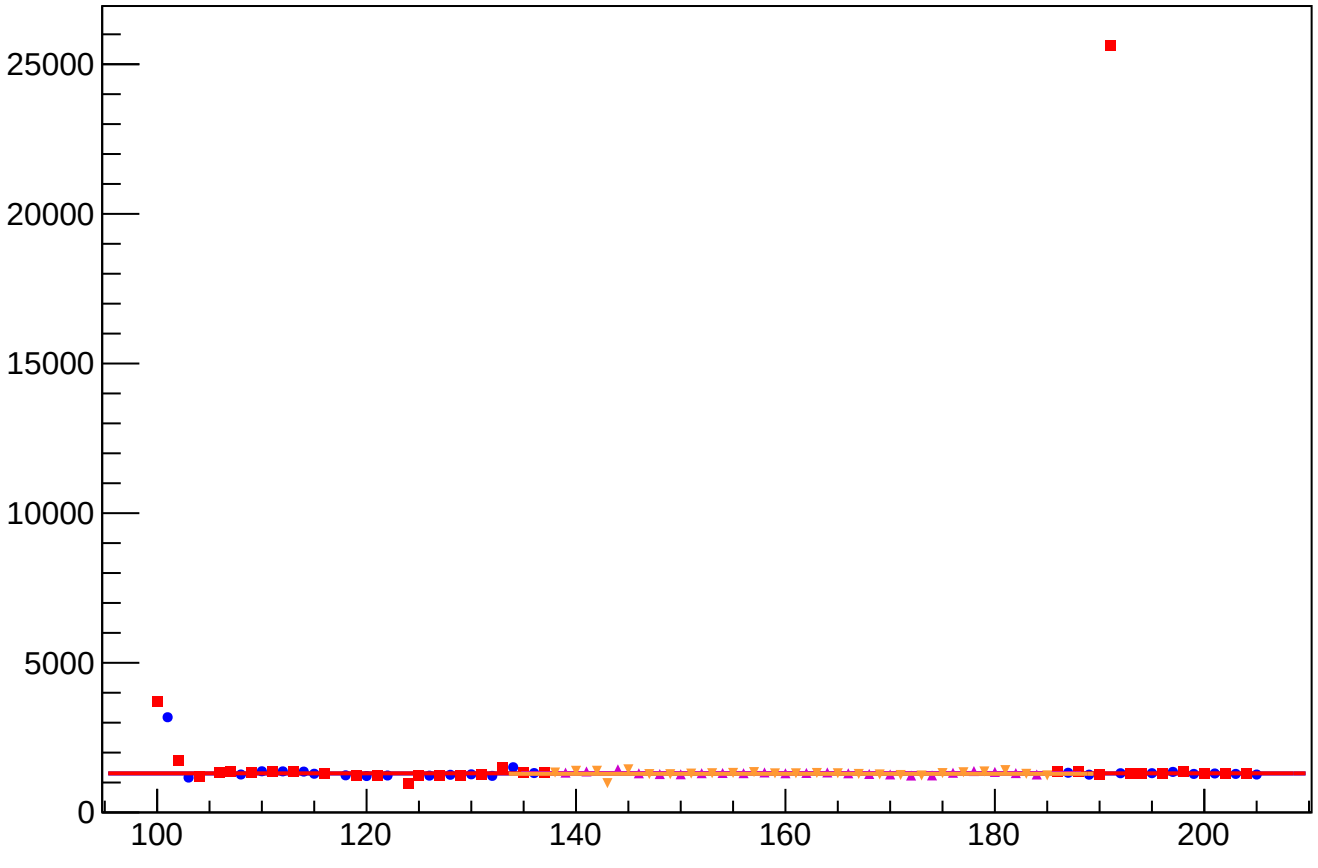
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -125.201+/-243.698 χ^2/NDF: 51.6/54

In: -455.577+/-230.859 χ^2/NDF:40.6/47

Out: 321.452+/-222.329 χ^2/NDF:72.0/54

All: -52.443+/-160.141 χ^2/NDF: 118.5/102



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

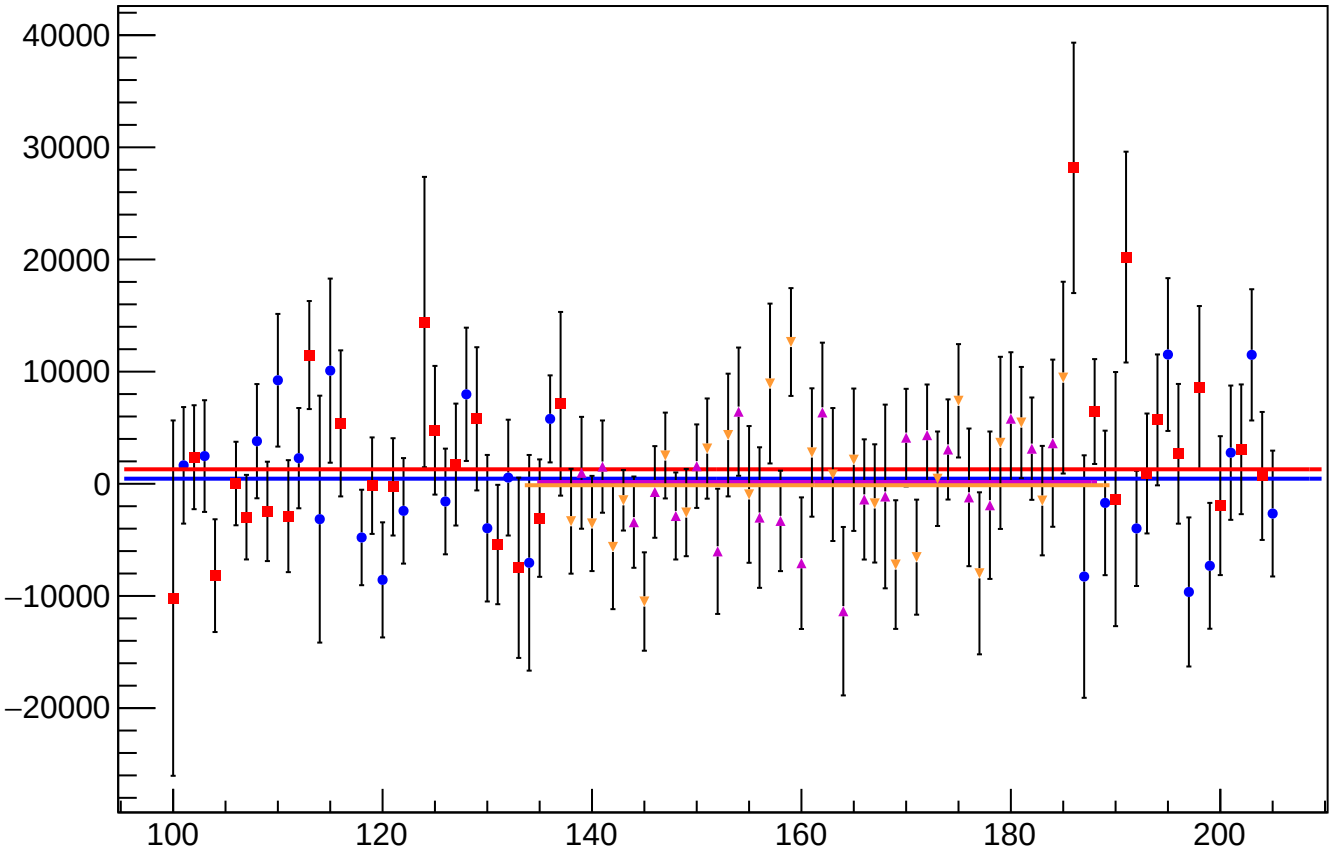
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.953+/-0.172 χ^2/NDF: 880160.5/54

In: 1308.717+/-0.163 χ^2/NDF:560724.5/47

Out: 1298.365+/-0.157 χ^2/NDF:597028.3/54

All: 1303.346+/-0.113 χ^2/NDF: 1159839.3/10



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

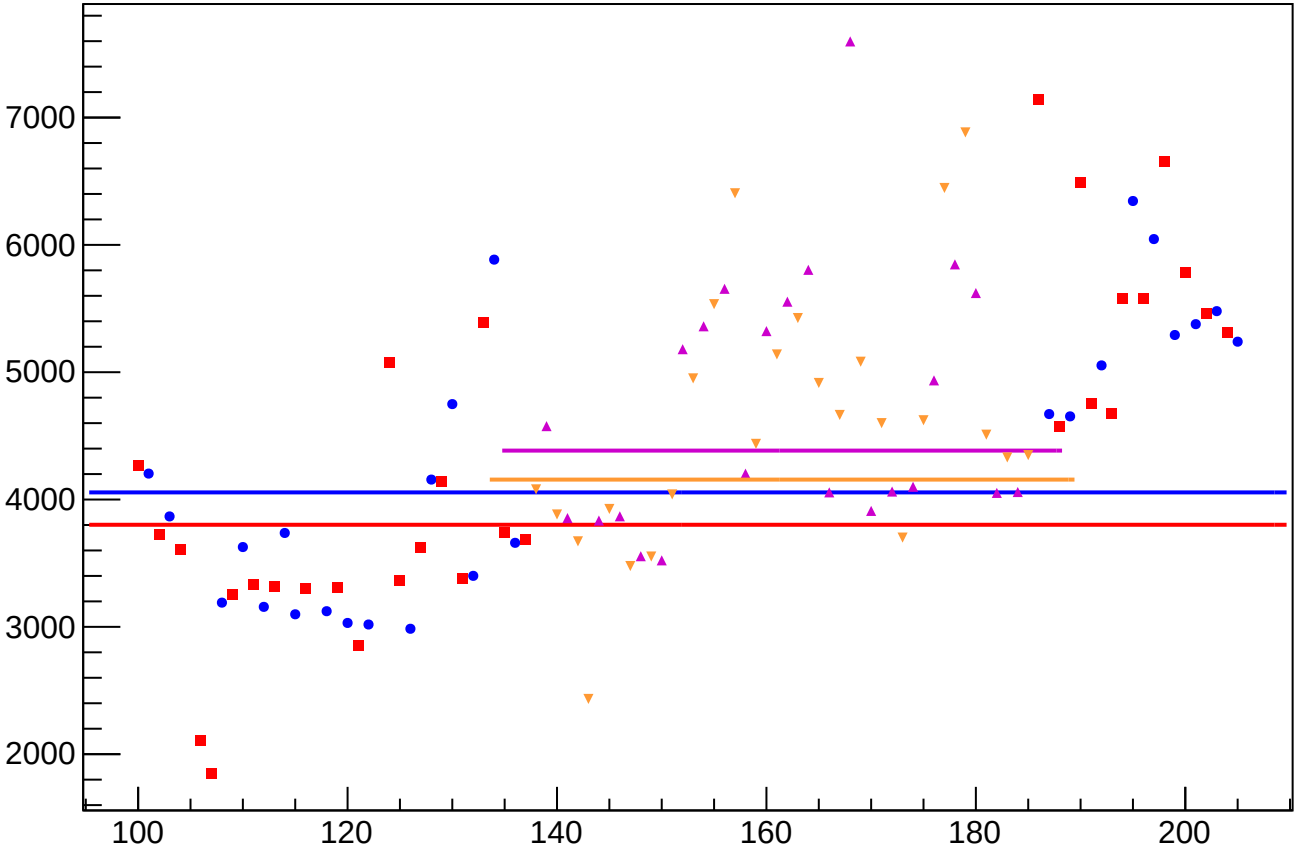
Right: 911.980+/-752.532 χ^2/NDF: 58.0/54

In: 297.820+/-762.981 χ^2/NDF:40.4/47

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 435.377+/-517.932 χ^2/NDF: 101.1/102

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

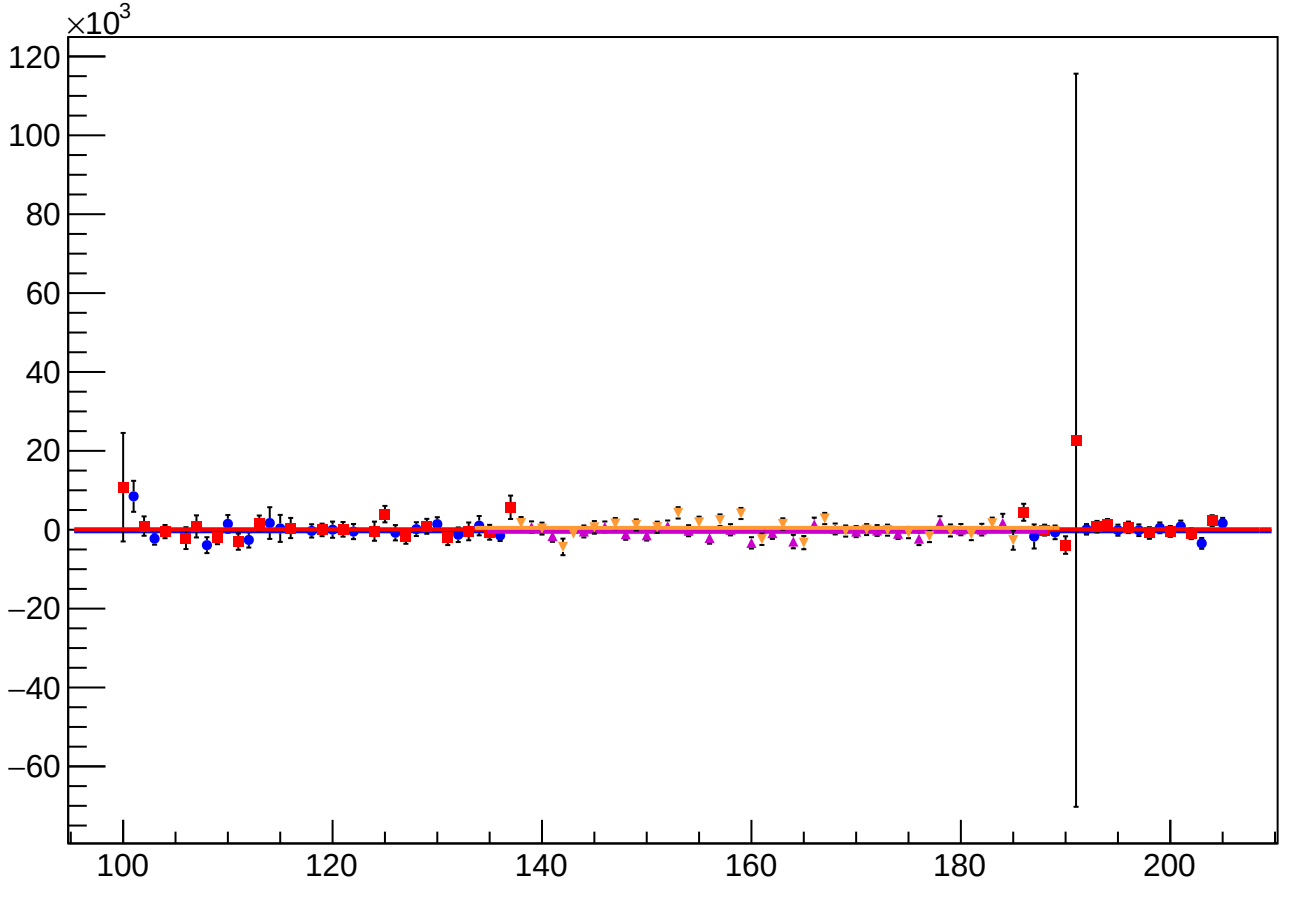
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3917.390+/-0.532 χ^2/NDF: 4540733.1/54

In: 4230.860+/-0.540 χ^2/NDF:2961436.8/47

Out: 3986.622+/-0.499 χ^2/NDF:5077408.4/54

All: 4099.168+/-0.366 χ^2/NDF: 8149348.0/10



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.587+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

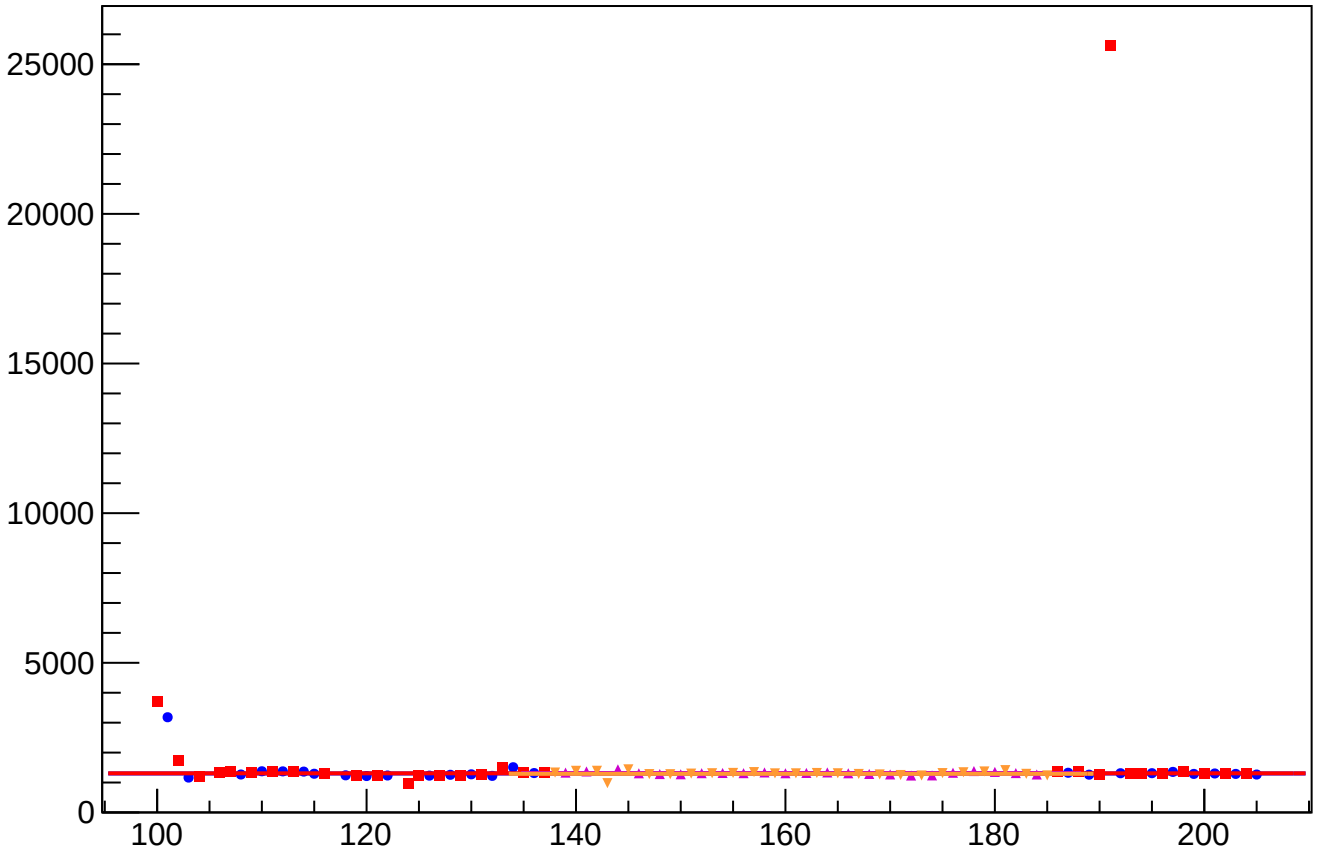
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -125.202+/-243.698 χ^2/NDF: 51.6/54

In: -455.576+/-230.859 χ^2/NDF:40.6/47

Out: 321.452+/-222.330 χ^2/NDF:72.0/54

All: -52.443+/-160.141 χ^2/NDF: 118.5/102



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

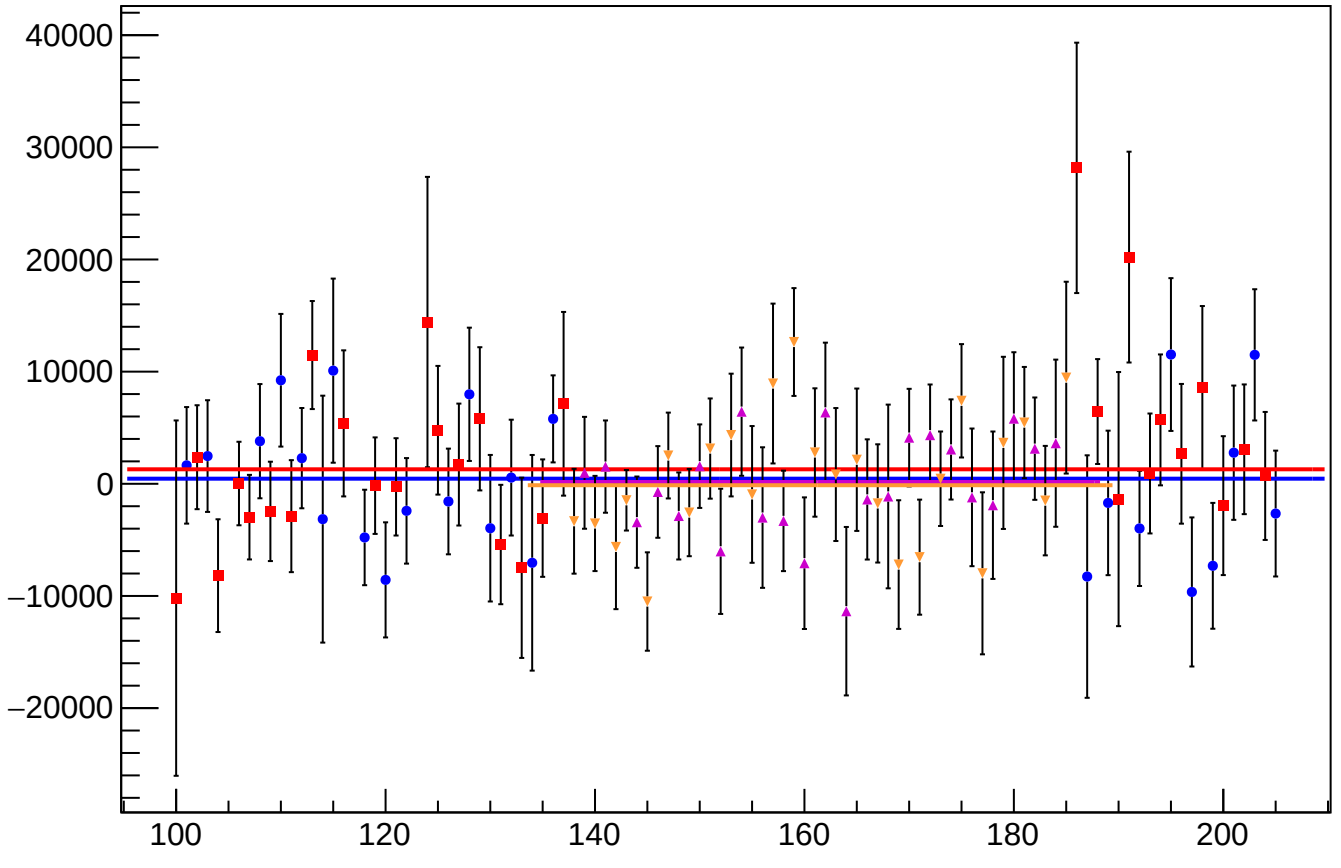
Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

Right: 1304.953+/-0.172 χ^2/NDF: 880161.1/54

In: 1308.718+/-0.163 χ^2/NDF:560727.2/47

Out: 1298.366+/-0.157 χ^2/NDF:597030.7/54

All: 1303.346+/-0.113 χ^2/NDF: 1159844.4/10



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

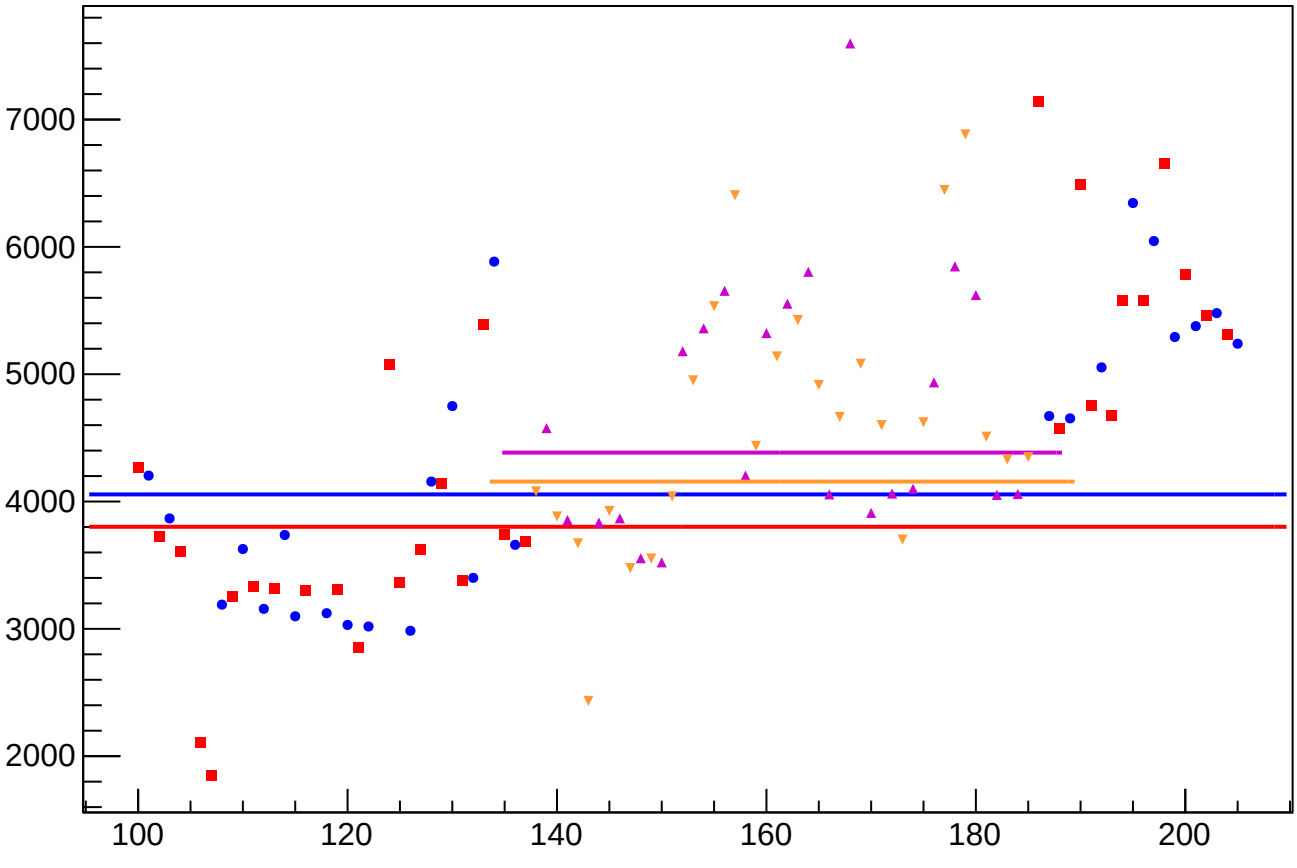
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

Right: 911.973+/-752.531 χ^2/NDF: 58.0/54

In: 297.818+/-762.981 χ^2/NDF:40.4/47

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 435.376+/-517.932 χ^2/NDF: 101.1/102



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

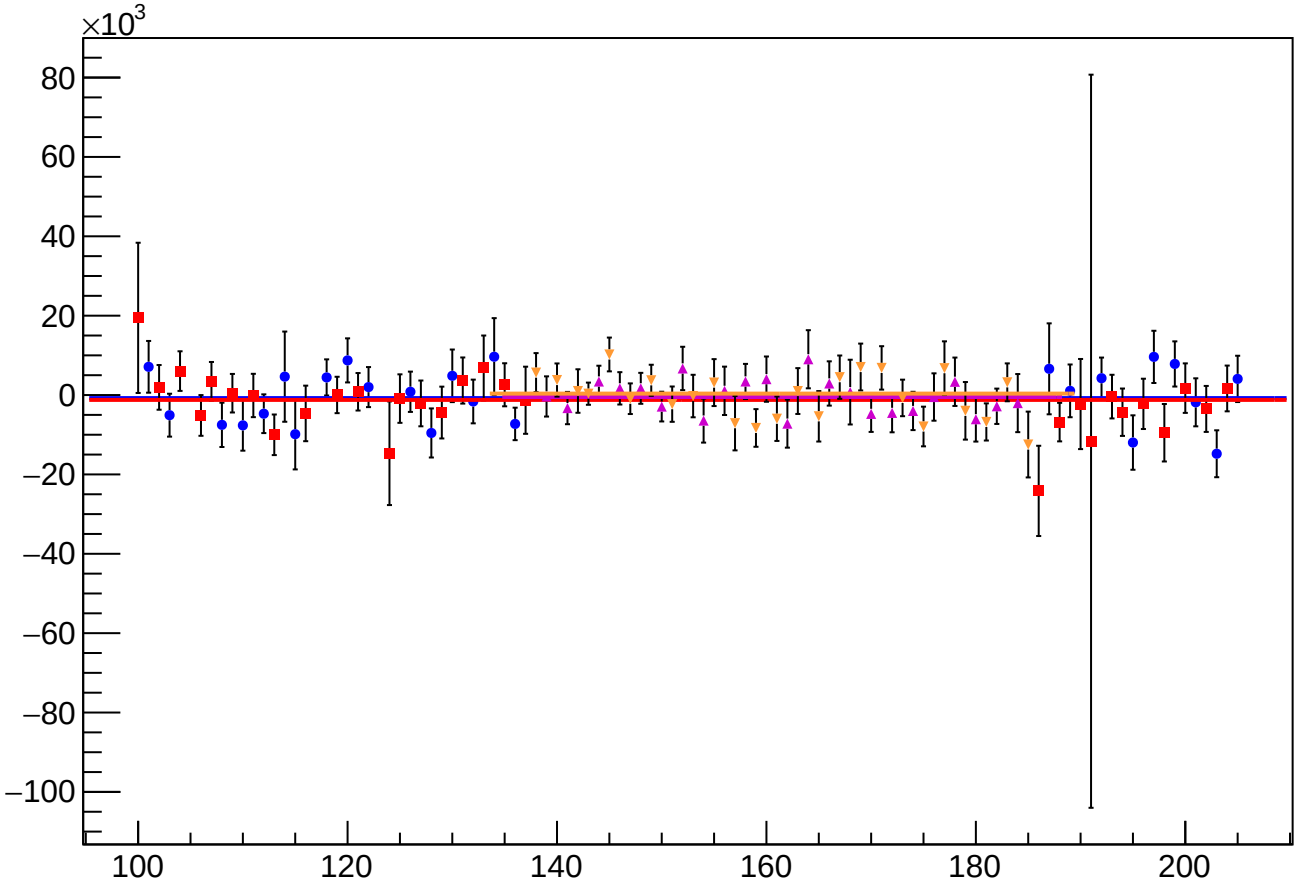
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3917.383+/-0.532 χ^2/NDF: 4540784.0/54

In: 4230.860+/-0.540 χ^2/NDF:2961475.1/47

Out: 3986.622+/-0.499 χ^2/NDF:5077445.3/54

All: 4099.168+/-0.366 χ^2/NDF: 8149423.2/10



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1221.385+/-1111.844 χ^2/NDF: 19.9/29

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

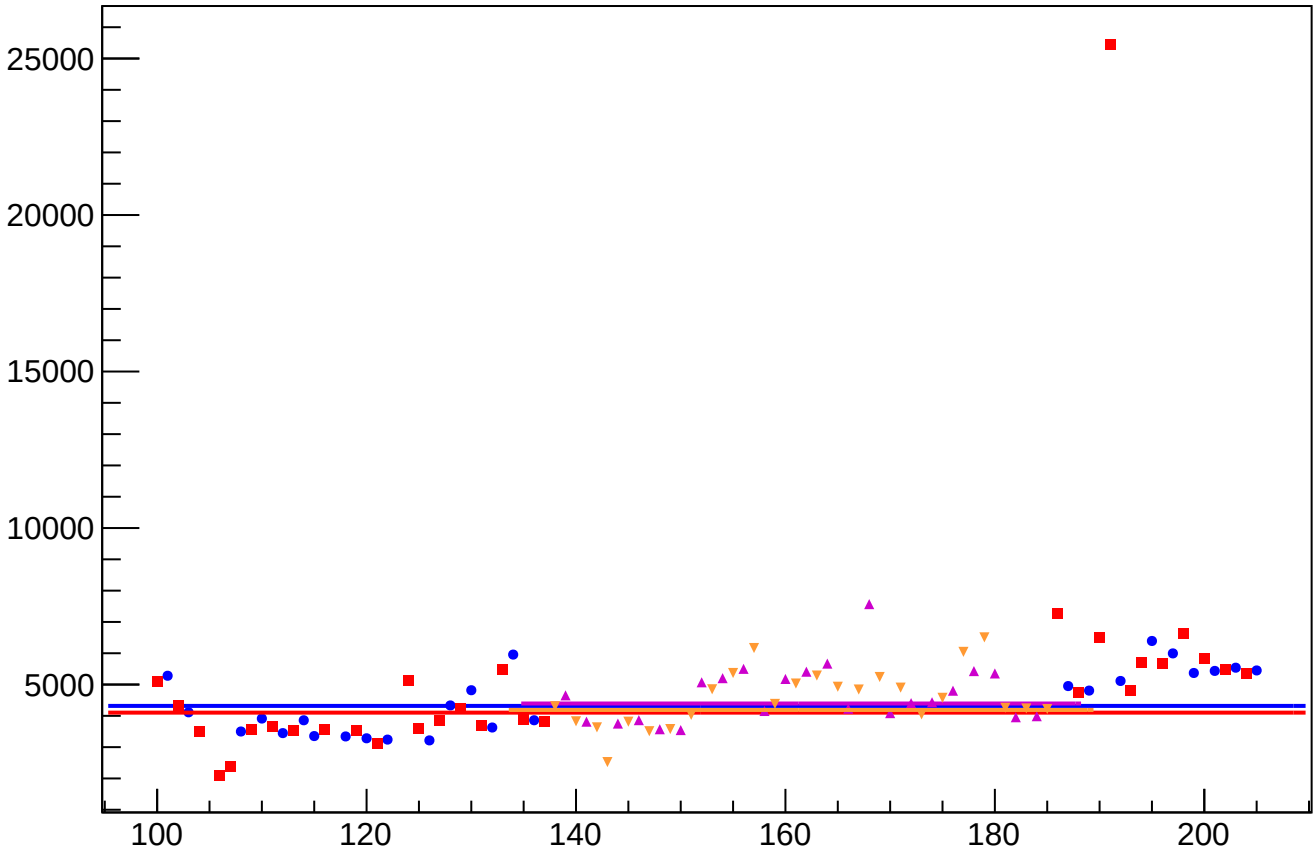
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

Right: -1009.637+/-809.842 χ^2/NDF: 52.9/54

In: -617.182+/-782.765 χ^2/NDF:46.8/47

Out: -329.882+/-735.123 χ^2/NDF:48.7/54

All: -464.523+/-535.862 χ^2/NDF: 95.6/102



Right In: 4317.758+/-0.836 χ^2/NDF: 1333620.2/24

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

Right Out: 4102.774+/-0.779 χ^2/NDF: 2316402.5/29

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

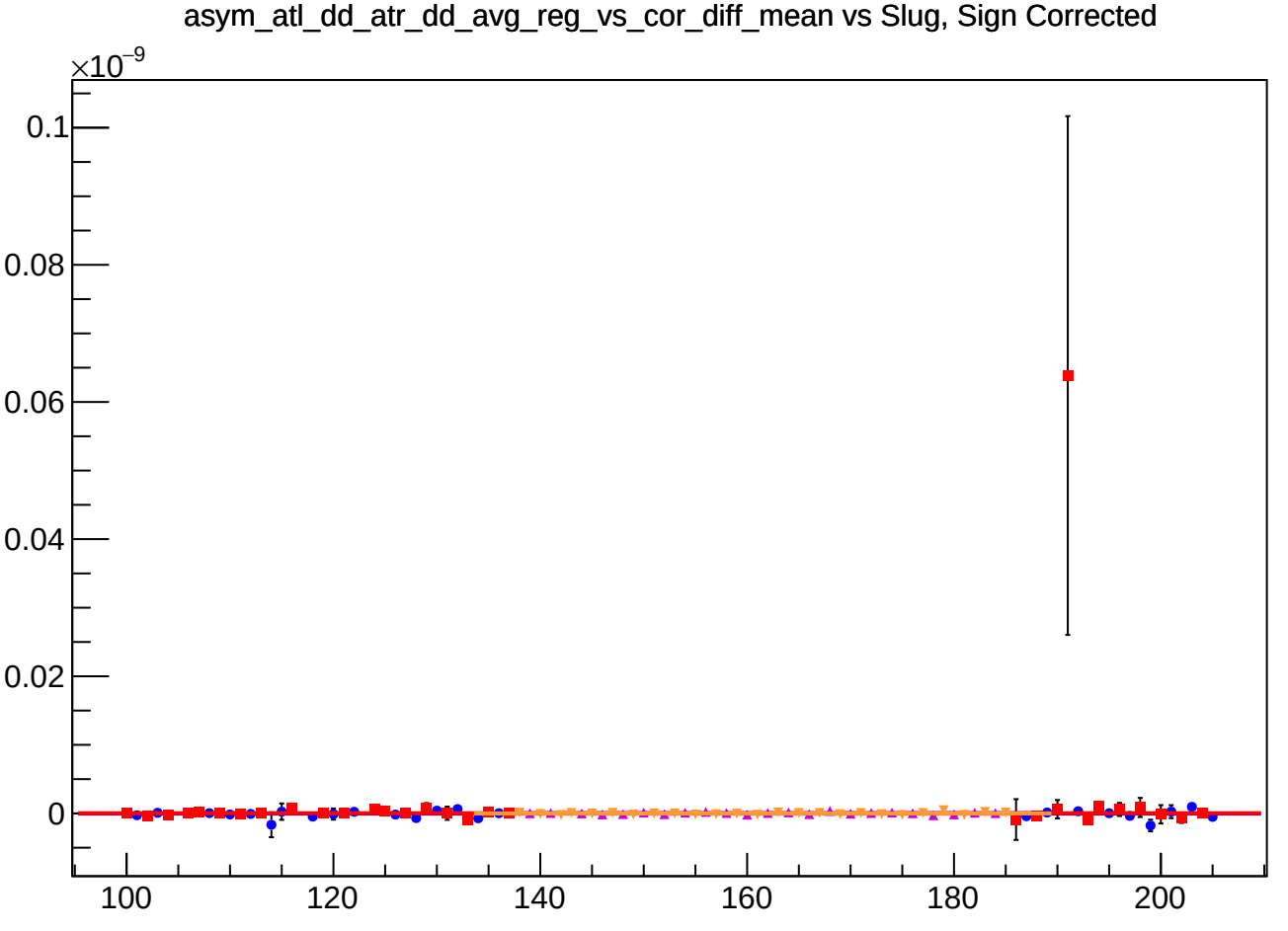
Left: 4284.479+/-0.505 χ^2/NDF: 2926302.1/47

Right: 4202.681+/-0.570 χ^2/NDF: 3685441.5/54

In: 4360.742+/-0.553 χ^2/NDF:2426726.8/47

Out: 4150.258+/-0.518 χ^2/NDF:4119409.9/54

All: 4248.460+/-0.378 χ^2/NDF: 6623280.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

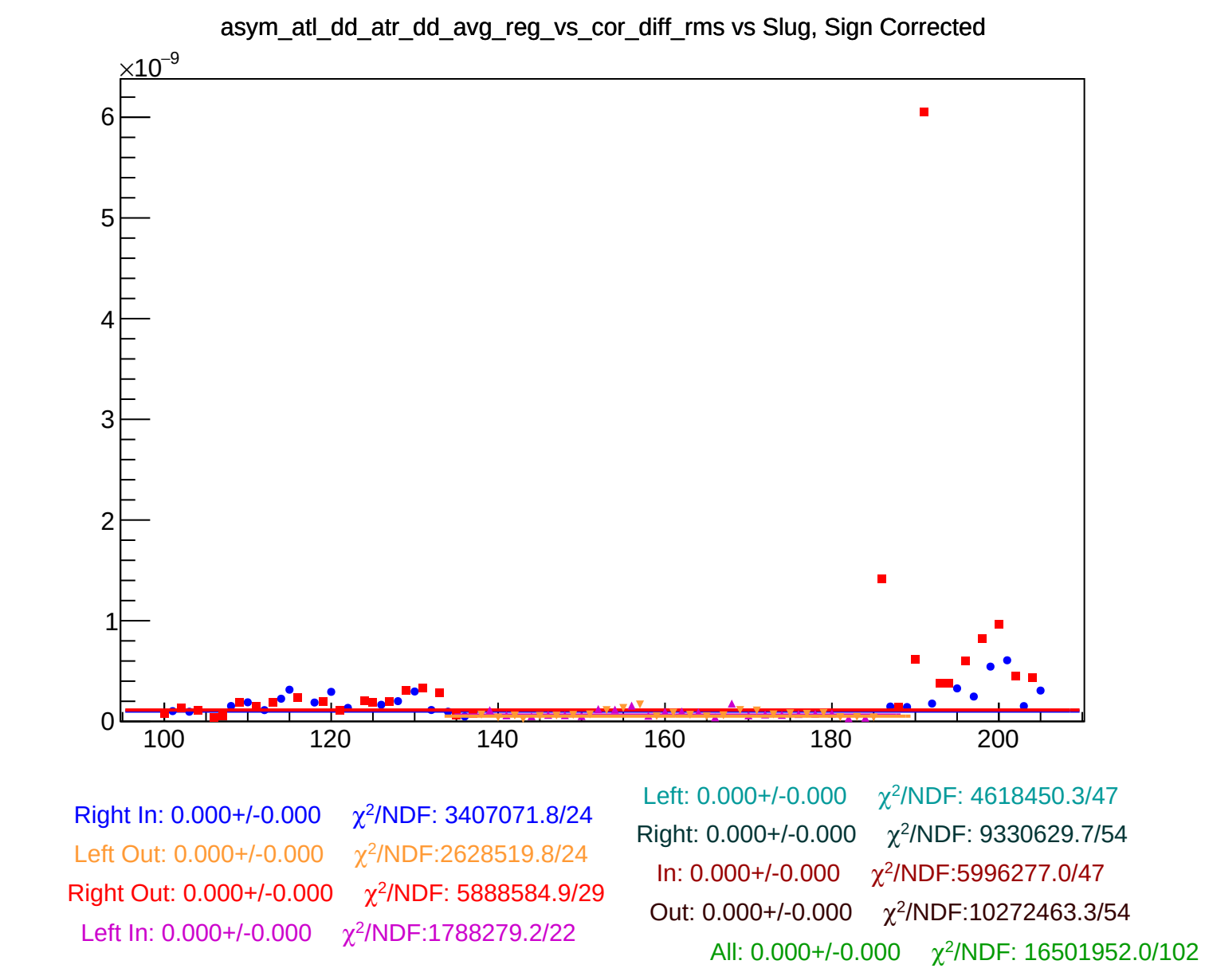
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 56.4/54

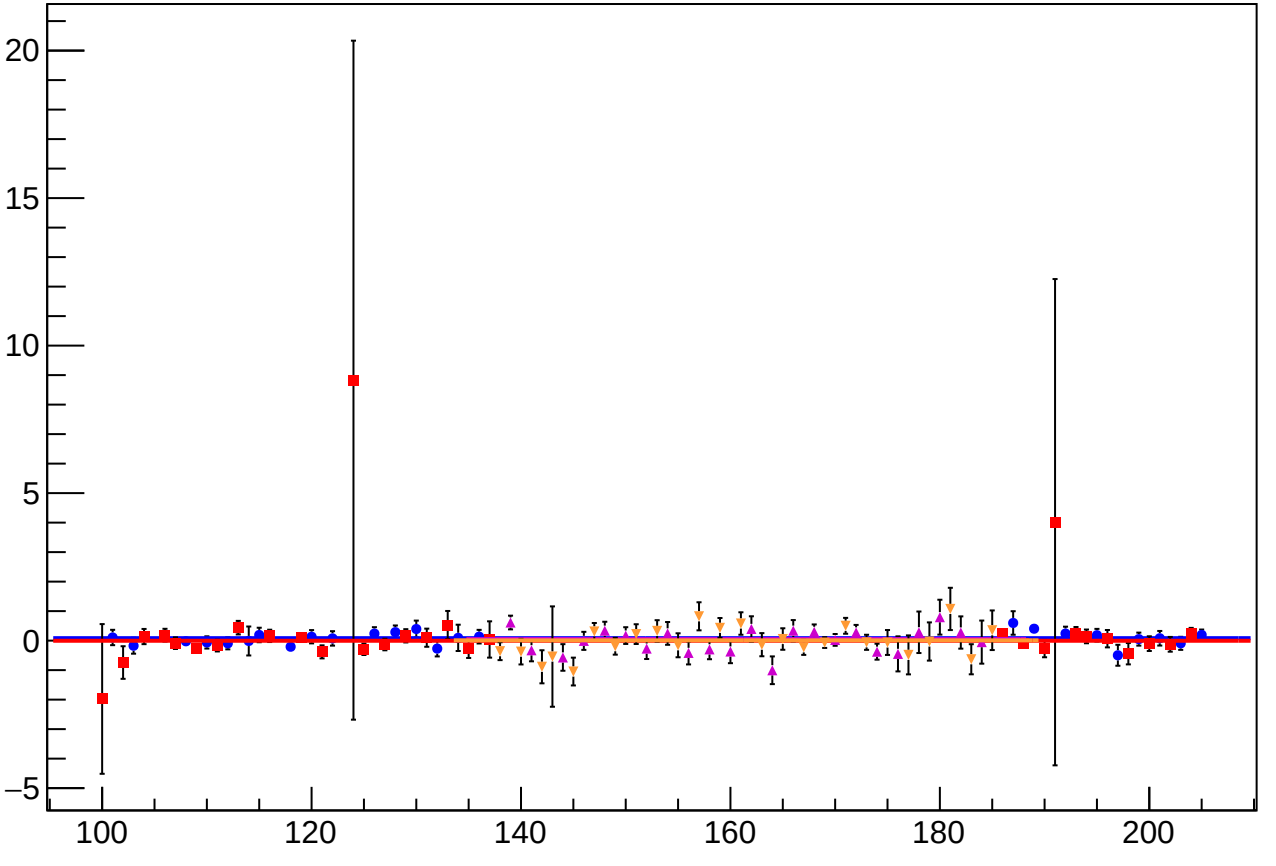
In: 0.000+/-0.000 χ^2/NDF:46.3/47

Out: 0.000+/-0.000 χ^2/NDF:58.1/54

All: 0.000+/-0.000 χ^2/NDF: 104.4/102


asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3407071.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5888584.9/29
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: 9330629.7/54
In: 0.000+/-0.000 χ²/NDF:5996277.0/47
Out: 0.000+/-0.000 χ²/NDF:10272463.3/54
All: 0.000+/-0.000 χ²/NDF: 16501952.0/102

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

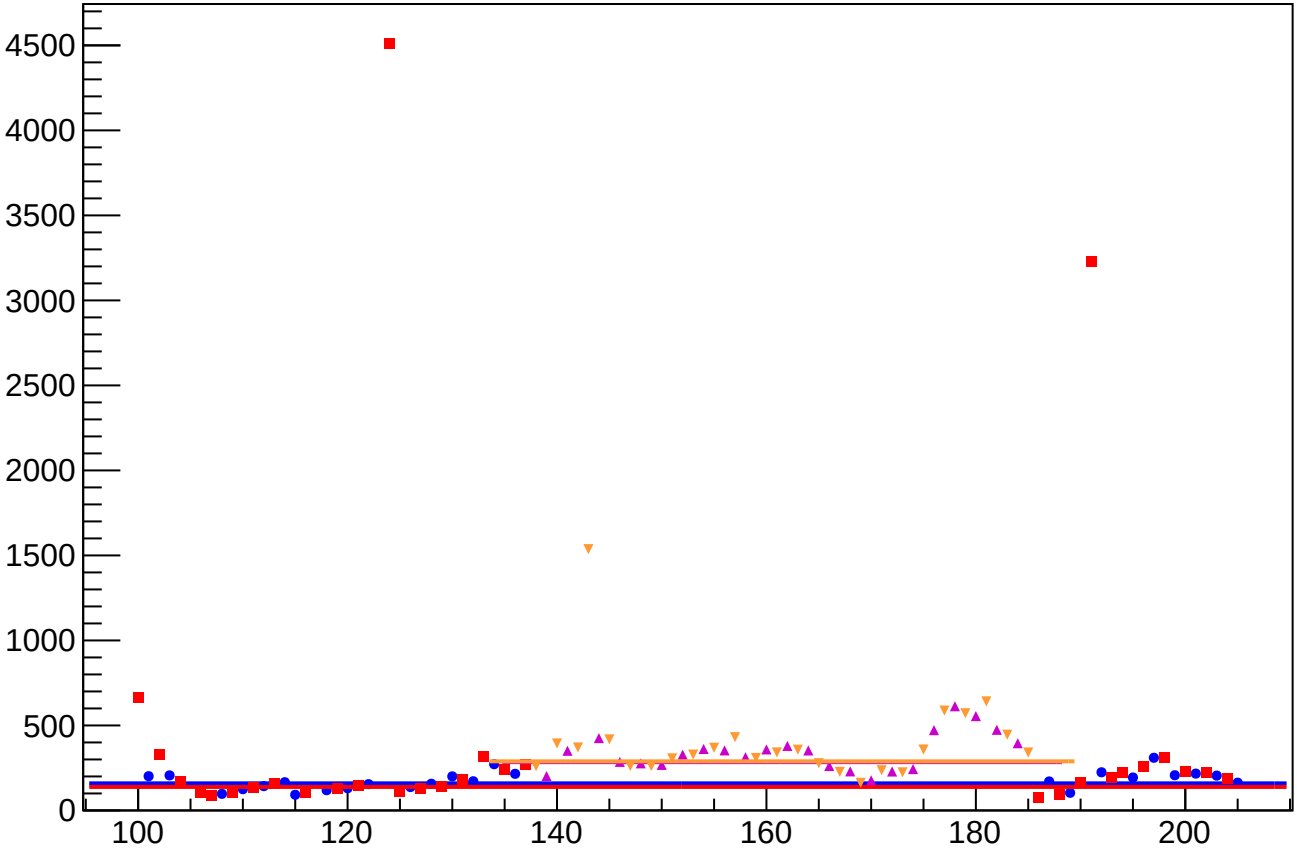
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

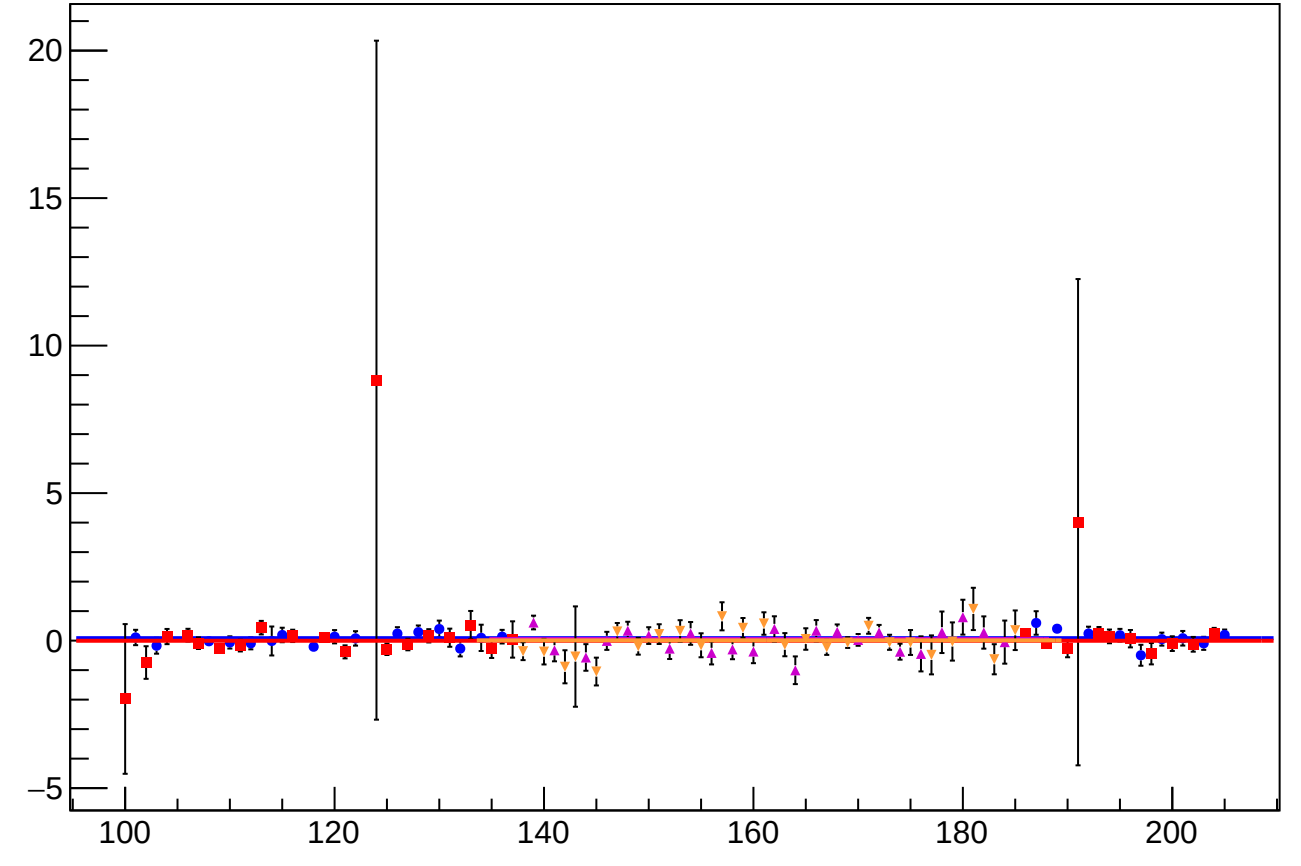
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.564+/-0.021 χ^2/NDF: 7116363.2/54

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

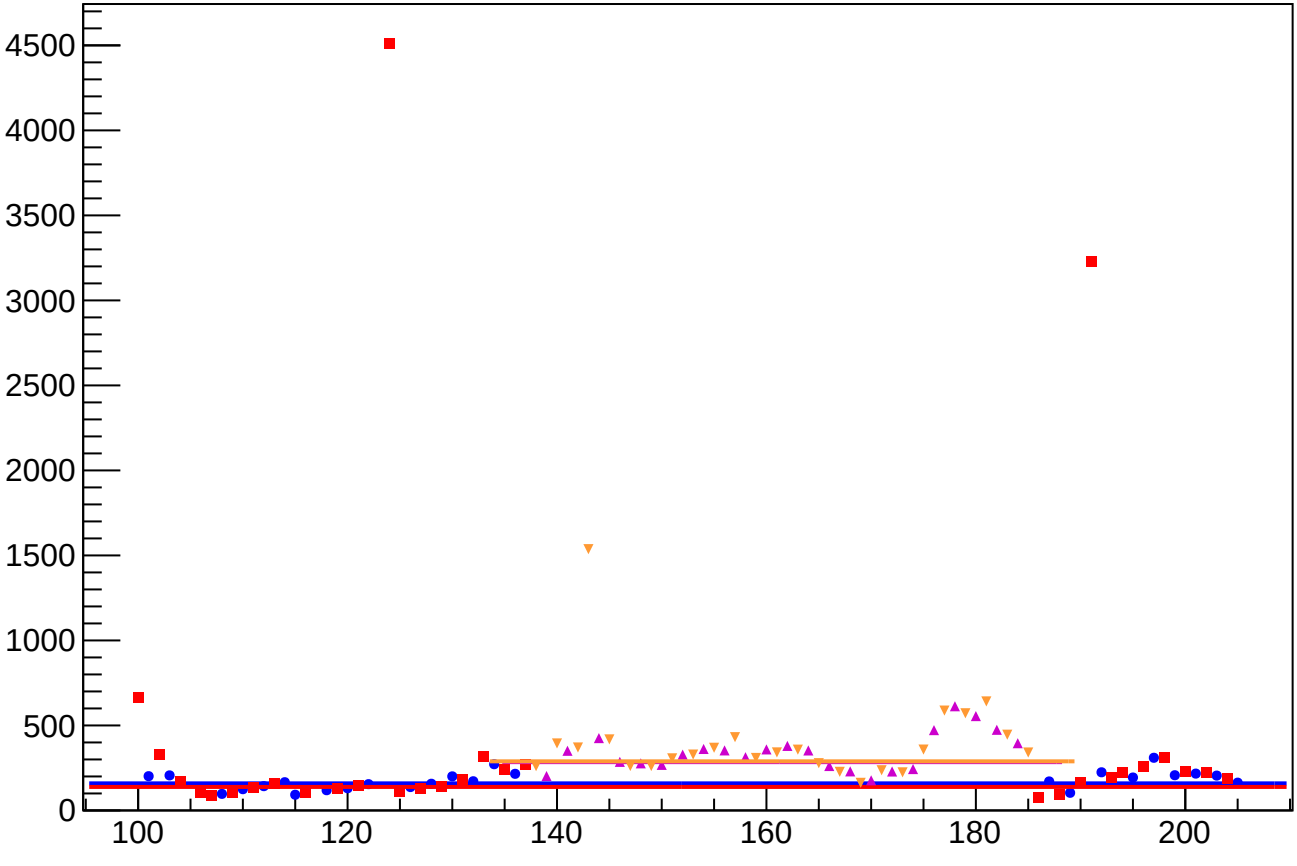
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

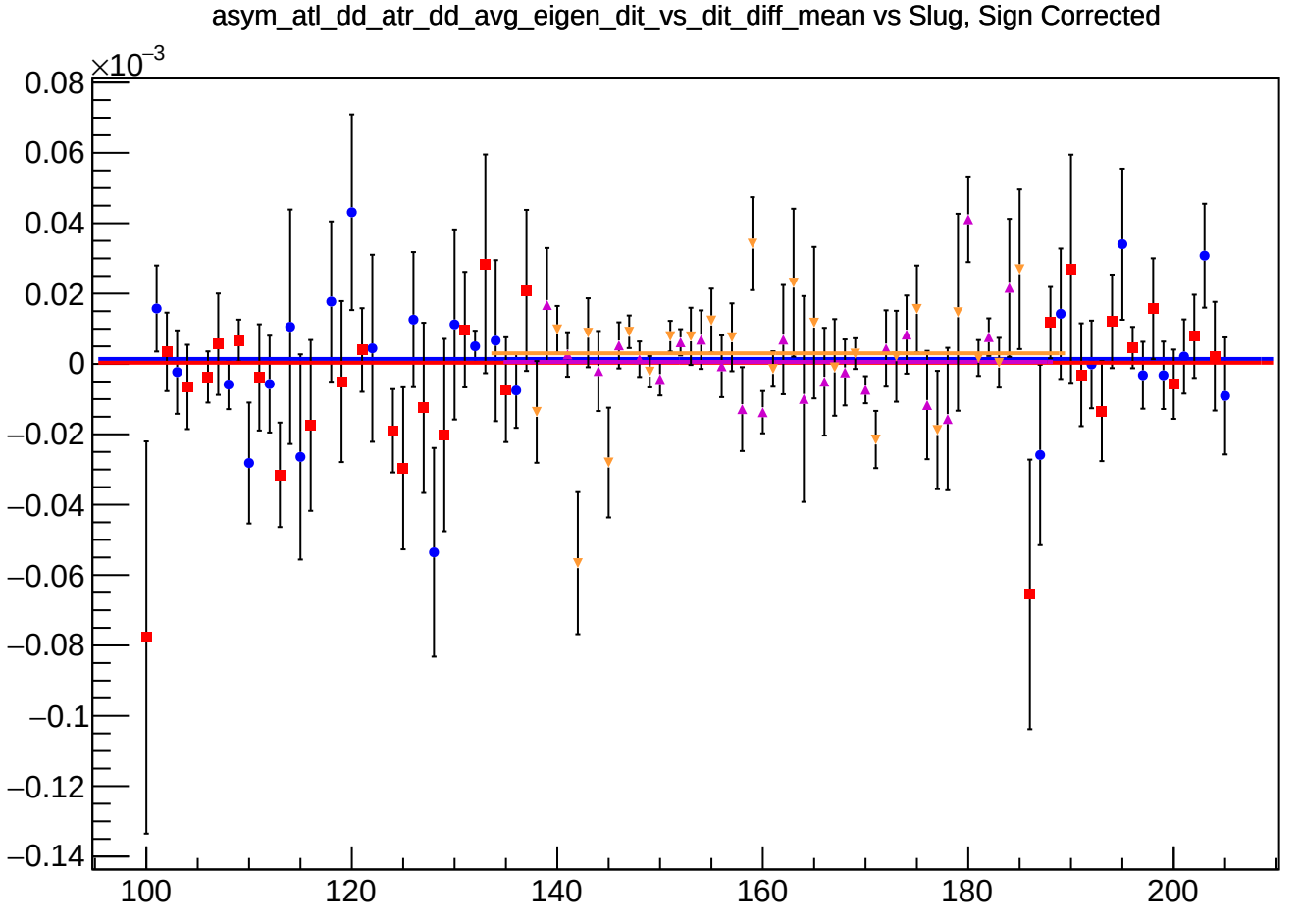
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.564+/-0.021 χ^2/NDF: 7116363.2/54

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

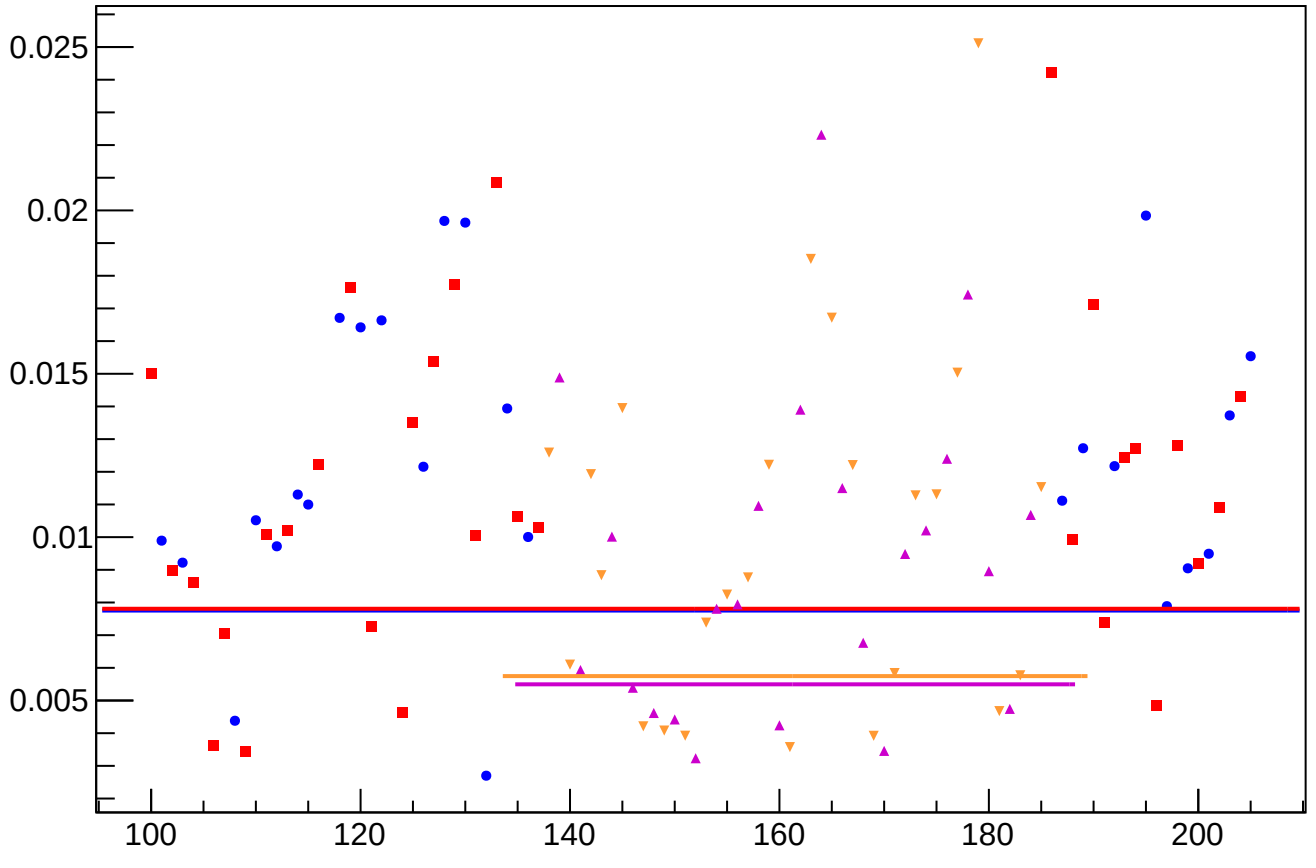
Left: 0.000+/-0.000 χ^2/NDF: 76.7/47

Right: 0.000+/-0.000 χ^2/NDF: 49.7/54

In: 0.000+/-0.000 χ^2/NDF:56.9/47

Out: 0.000+/-0.000 χ^2/NDF:69.1/54

All: 0.000+/-0.000 χ^2/NDF: 126.6/102



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

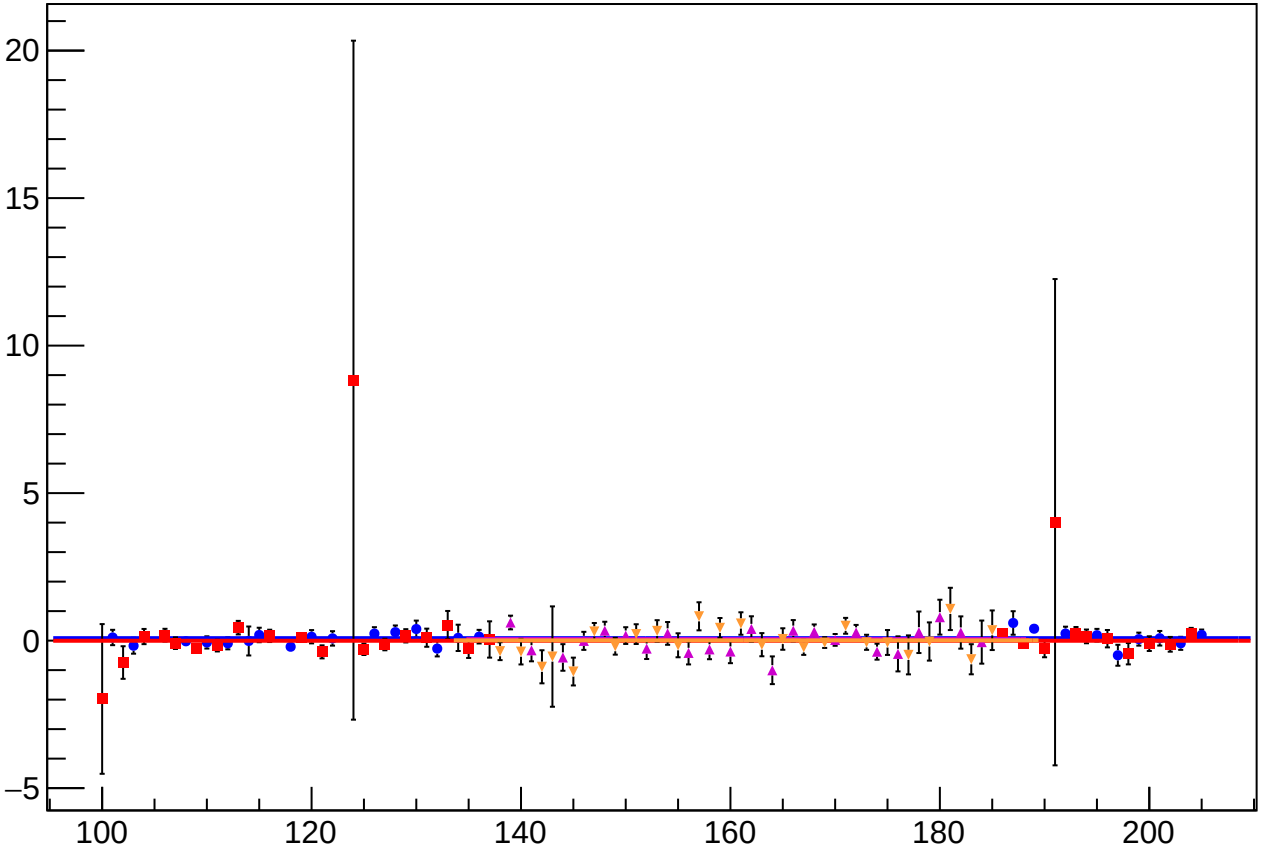
Right: 0.008+/-0.000 χ^2/NDF: 12957040.3/54

In: 0.006+/-0.000 χ^2/NDF:15181119.2/47

Out: 0.006+/-0.000 χ^2/NDF:15210789.0/54

All: 0.006+/-0.000 χ^2/NDF: 30431873.0/102

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

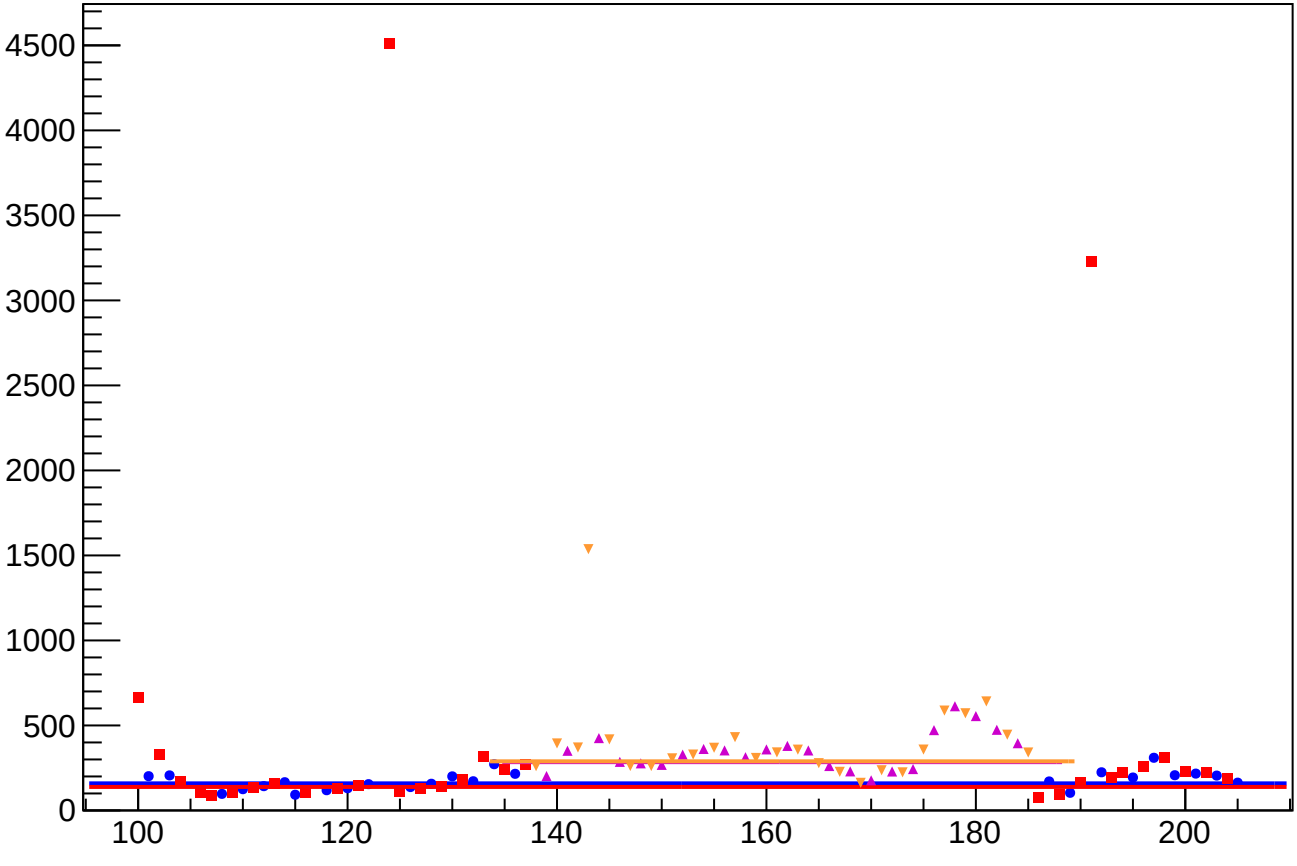
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

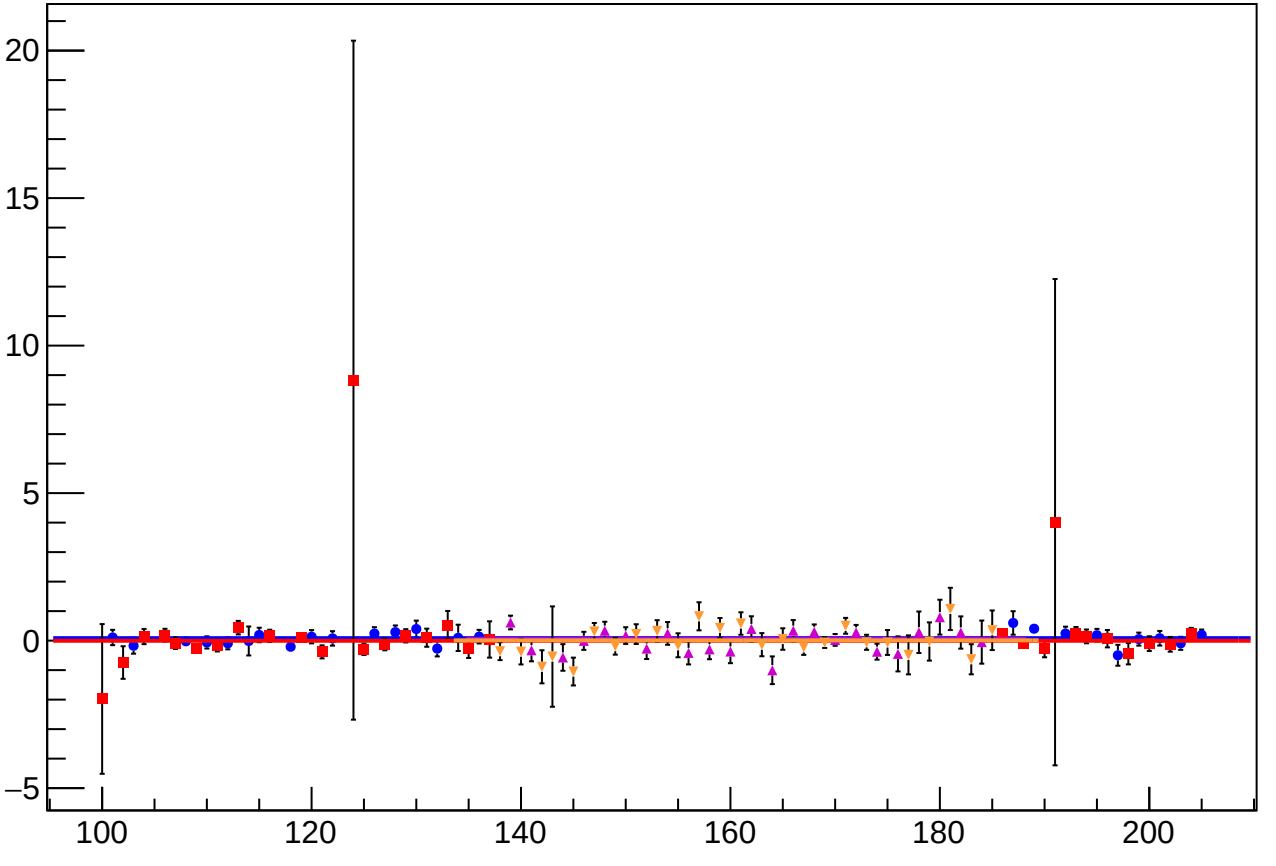
Right: 147.565+/-0.021 χ^2/NDF: 7116149.5/54

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

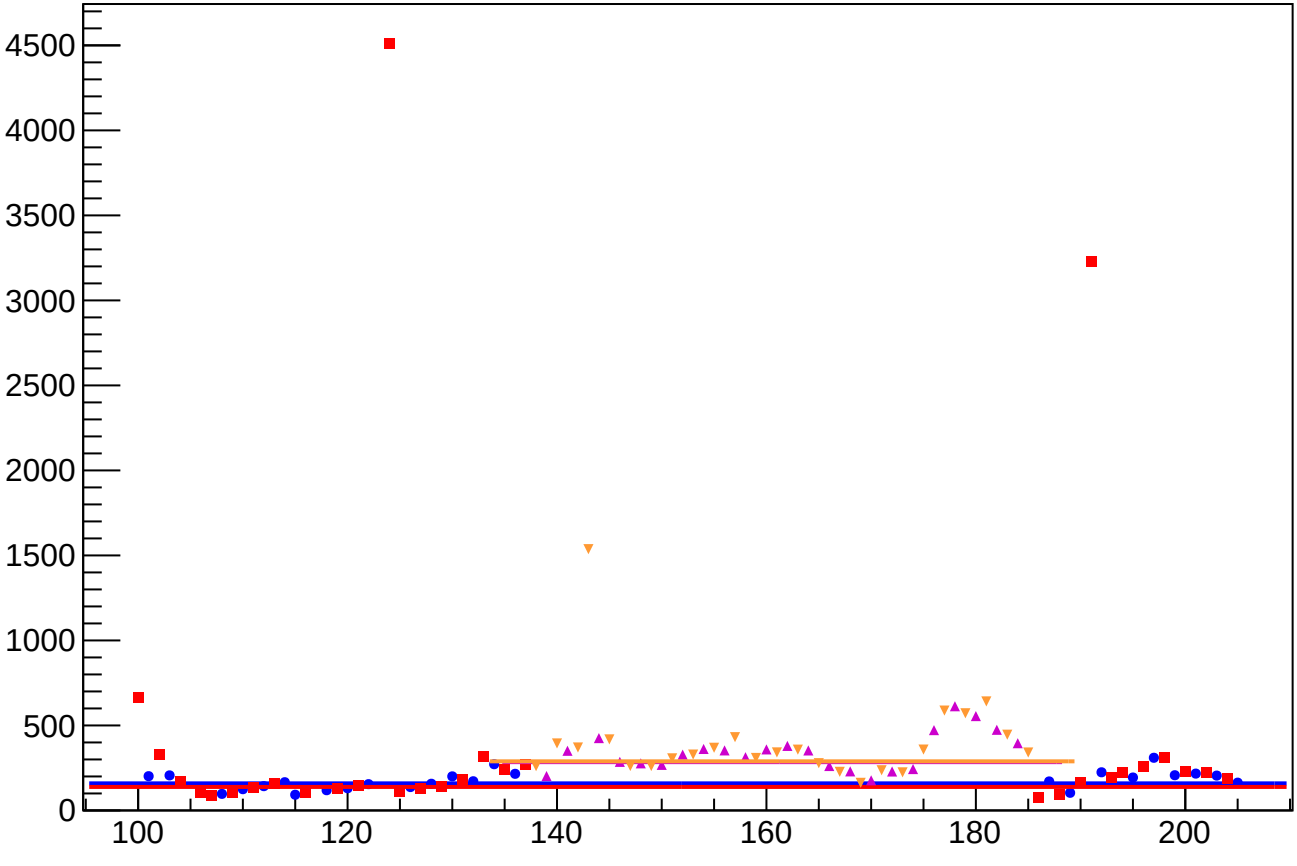
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

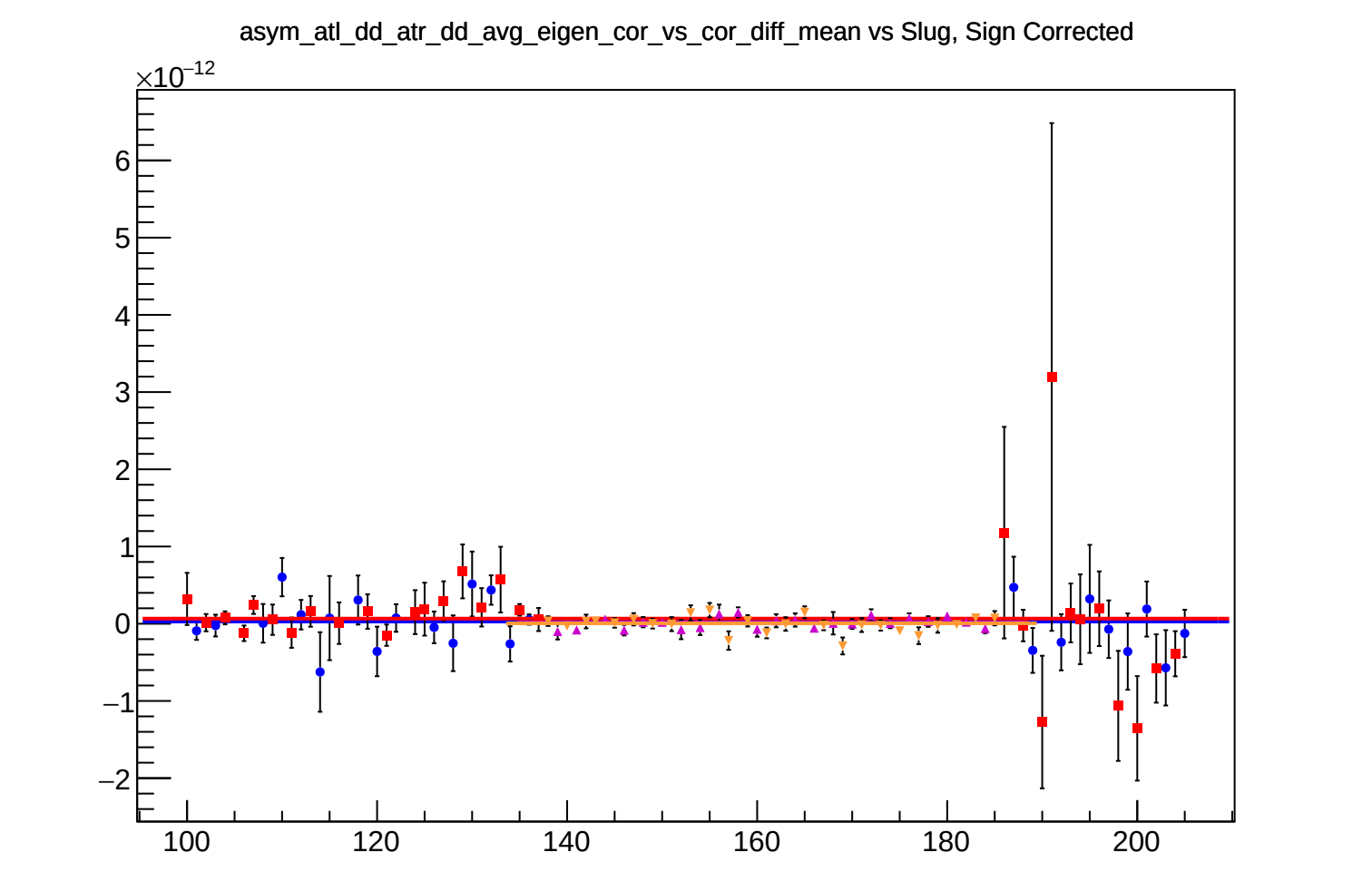
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.565+/-0.021 χ^2/NDF: 7116149.5/54

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

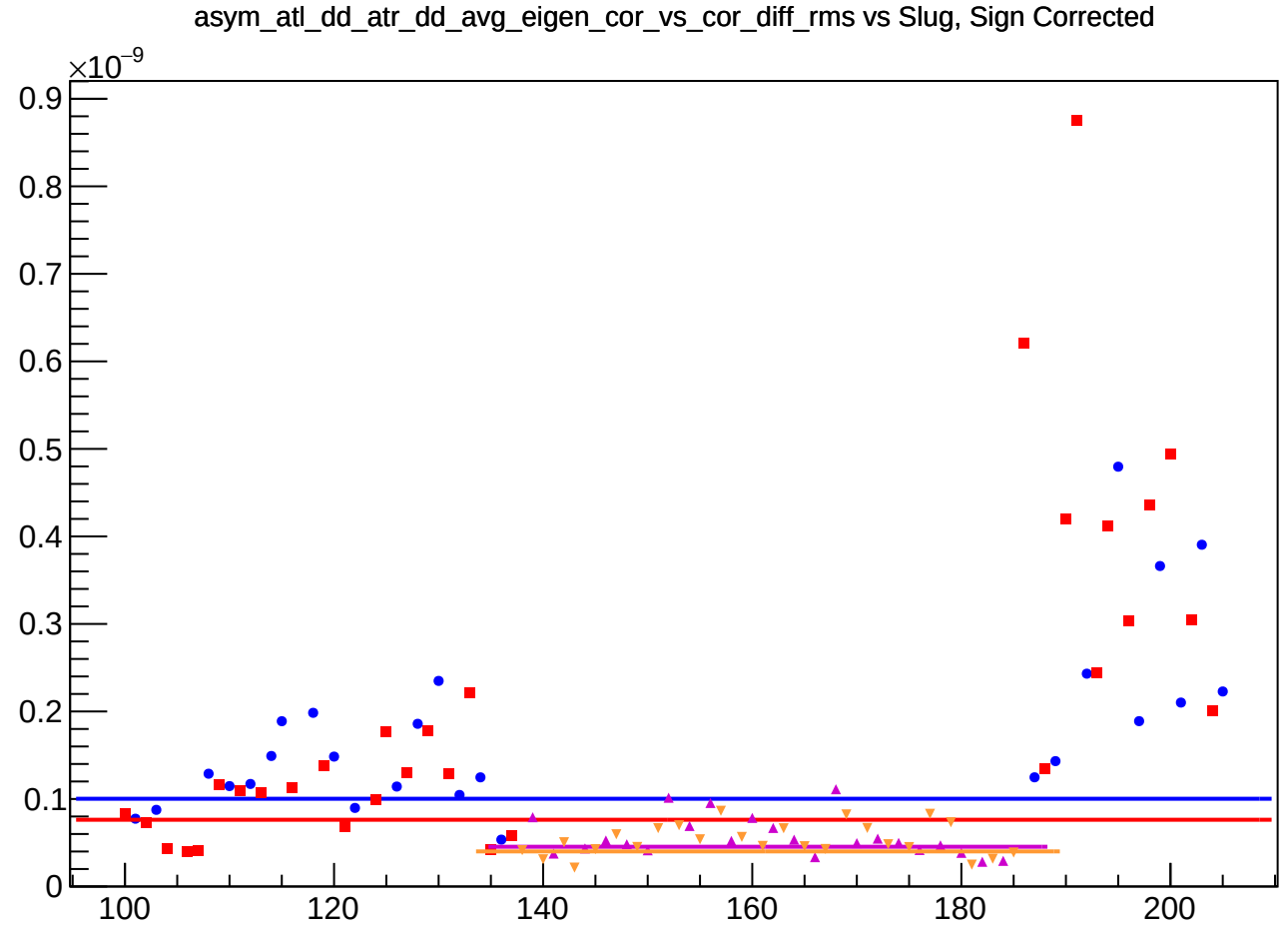
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

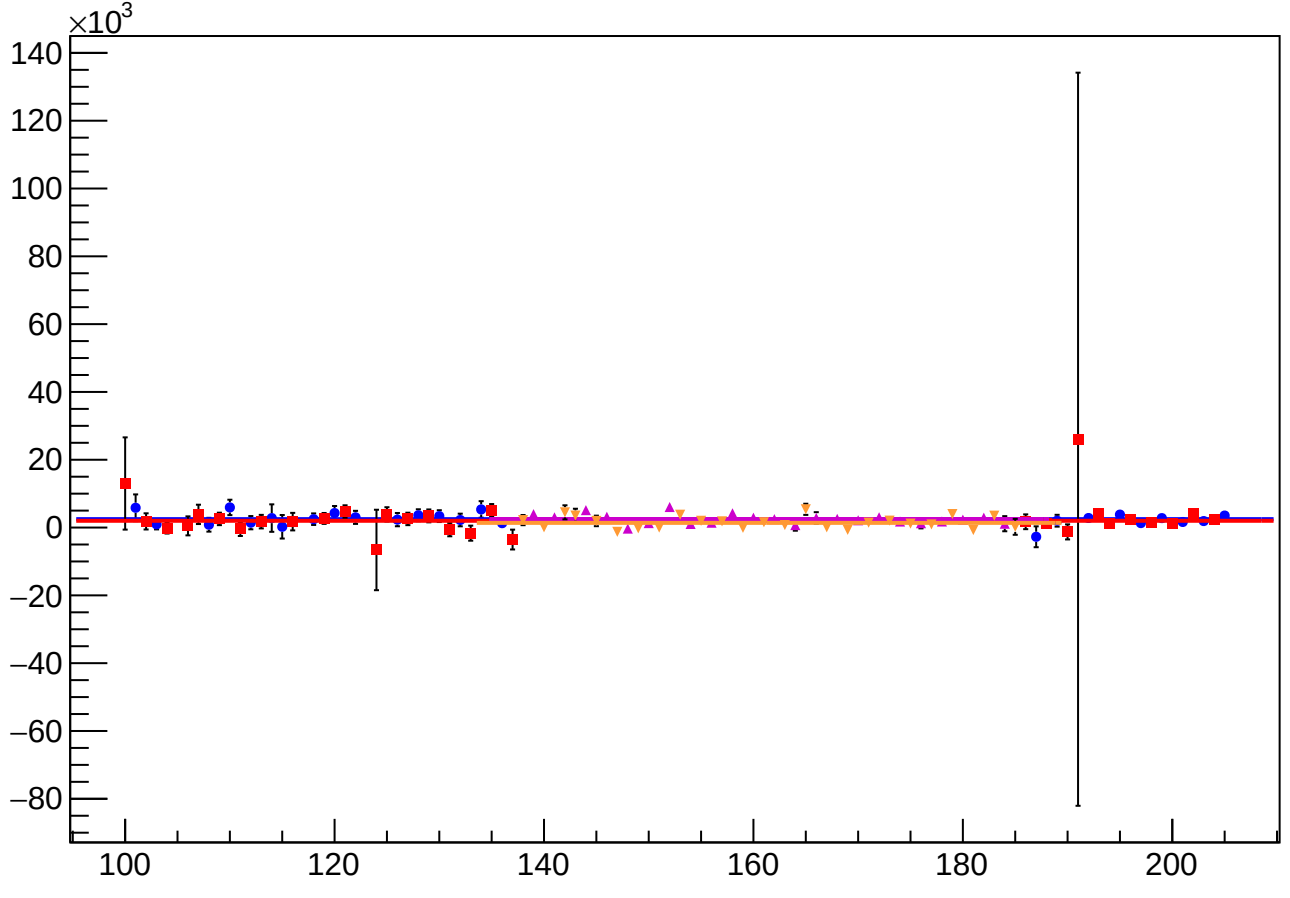
Right: 0.000+/-0.000 χ^2/NDF: 60.2/54

In: 0.000+/-0.000 χ^2/NDF:48.7/47

Out: 0.000+/-0.000 χ^2/NDF:71.4/54

All: 0.000+/-0.000 χ^2/NDF: 120.1/102


asym_atl_dd_atr_dd_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: 4634871.6/24
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 6944811.2/29
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
Left: 0.000+/-0.000 χ²/NDF: 6559252.5/47
Right: 0.000+/-0.000 χ²/NDF: 12000346.4/54
In: 0.000+/-0.000 χ²/NDF:10707213.1/47
Out: 0.000+/-0.000 χ²/NDF:12658284.9/54
All: 0.000+/-0.000 χ²/NDF: 23649097.8/102



Right In: 2480.791+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: 1999.174+/-341.828 χ^2/NDF: 28.1/29

Left In: 2519.365+/-298.095 χ^2/NDF:22.5/22

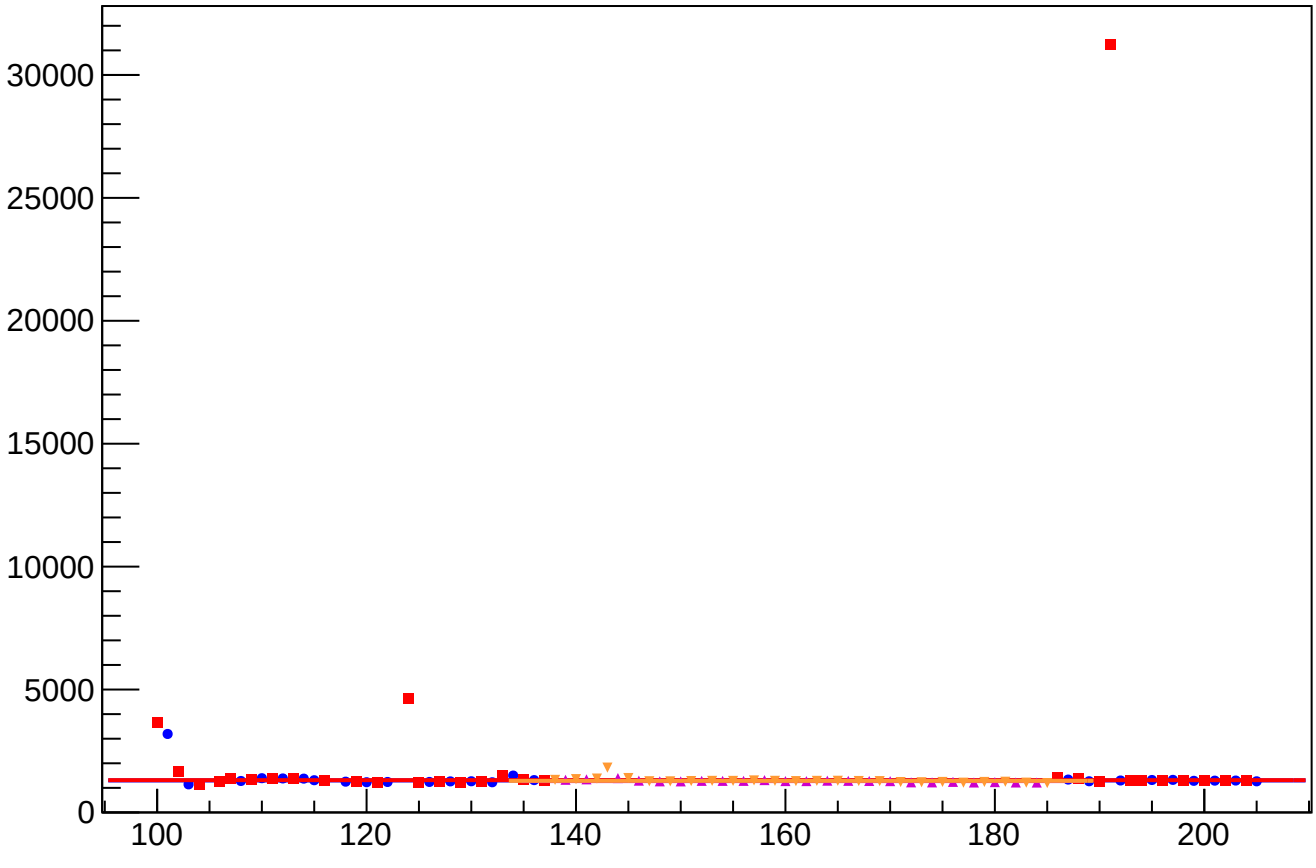
Left: 1941.083+/-208.879 χ^2/NDF: 62.8/47

Right: 2234.160+/-244.614 χ^2/NDF: 43.9/54

In: 2503.158+/-226.993 χ^2/NDF:37.3/47

Out: 1643.889+/-222.363 χ^2/NDF:62.9/54

All: 2064.670+/-158.846 χ^2/NDF: 107.4/102



Right In: 1301.994+/-0.248 χ^2/NDF: 519973.8/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1314.214+/-0.241 χ^2/NDF: 490037.7/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

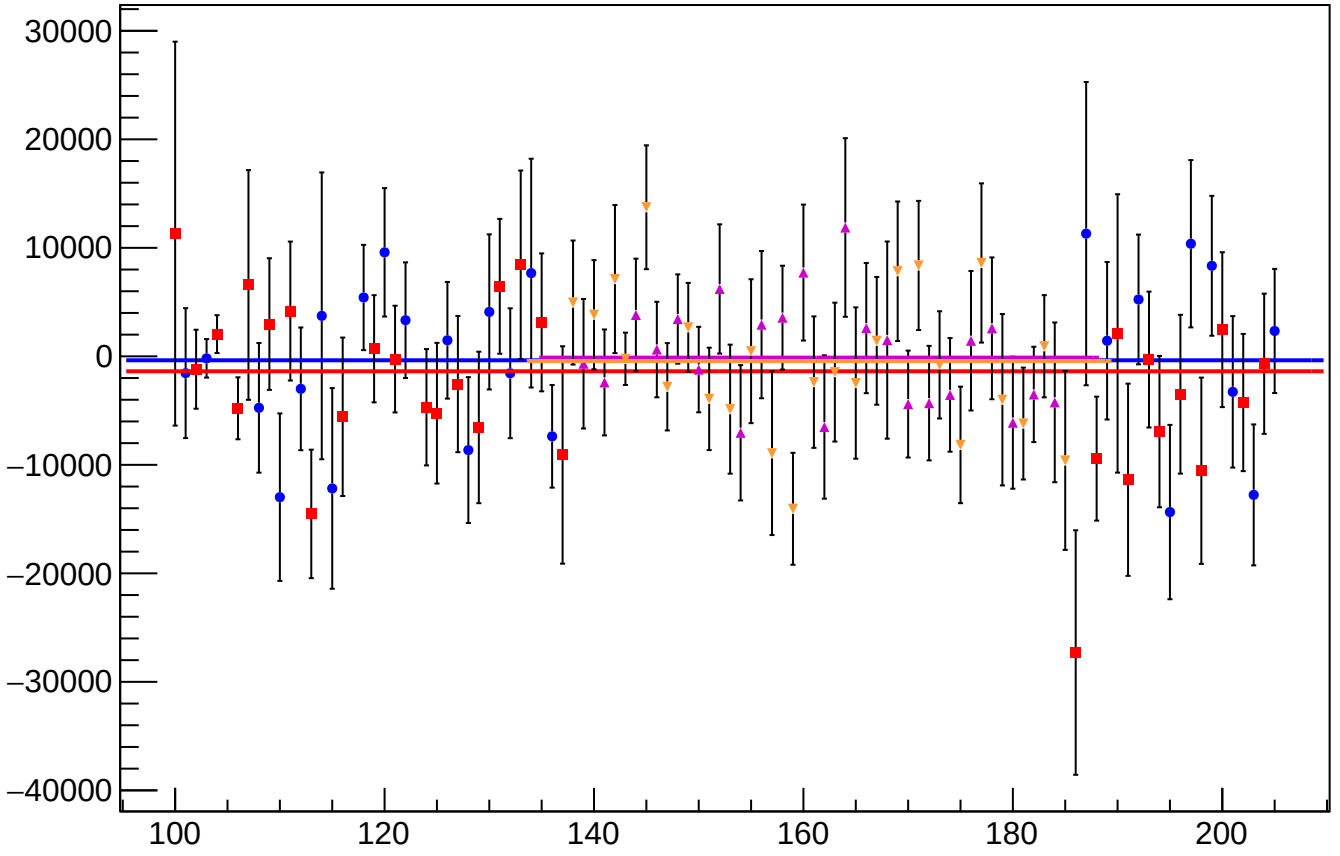
Right: 1308.260+/-0.173 χ^2/NDF: 1011260.2/54

In: 1286.887+/-0.161 χ^2/NDF:567791.8/47

Out: 1297.755+/-0.157 χ^2/NDF:689133.4/54

All: 1292.436+/-0.112 χ^2/NDF: 1259265.8/10

asym_atl_avg_atr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -363.759+/-1062.378 χ^2/NDF: 27.3/24

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: -1377.524+/-952.616 χ^2/NDF: 29.4/29

Left In: -119.335+/-1144.695 χ^2/NDF:13.6/22

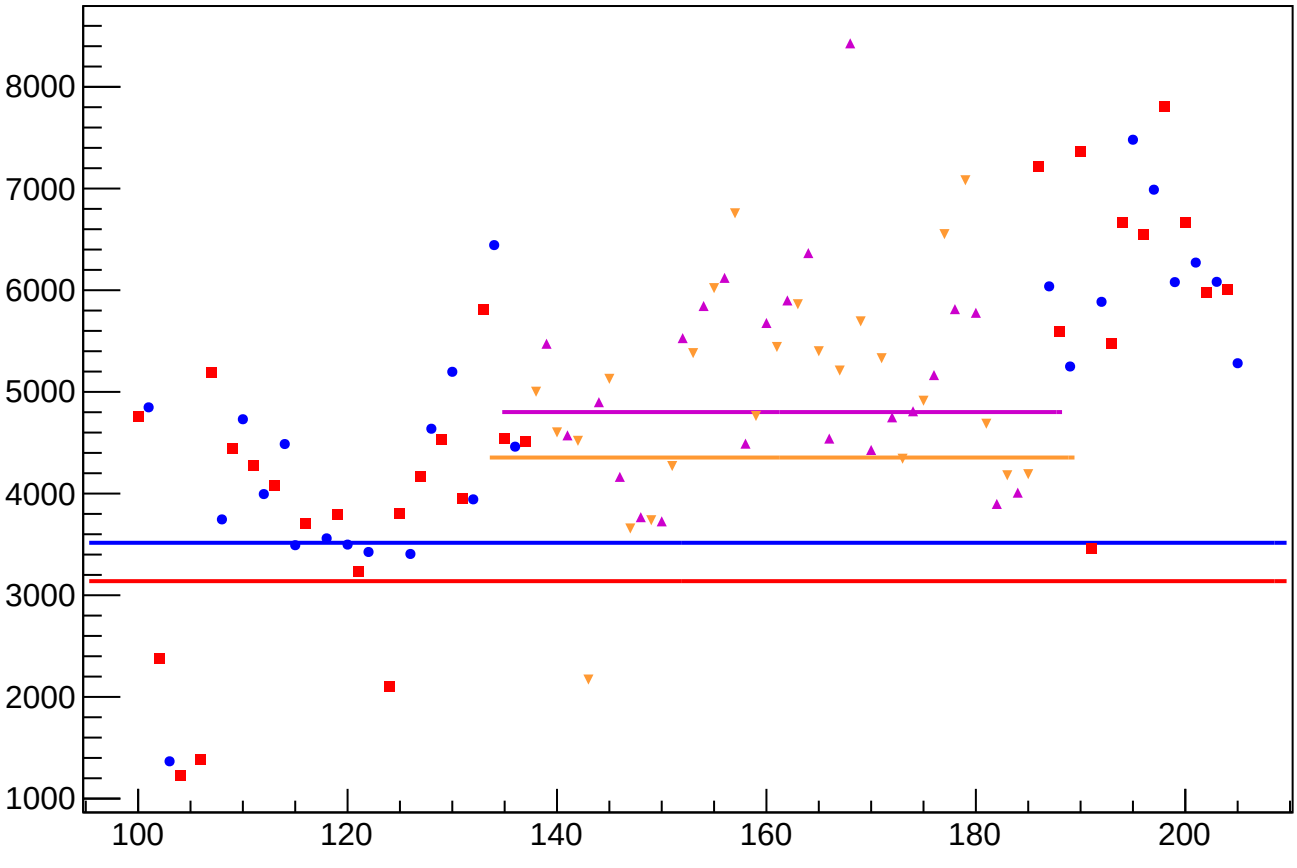
Left: -289.005+/-768.953 χ^2/NDF: 43.5/47

Right: -925.700+/-709.242 χ^2/NDF: 57.2/54

In: -250.651+/-778.691 χ^2/NDF:40.9/47

Out: -943.675+/-701.861 χ^2/NDF:59.7/54

All: -633.030+/-521.343 χ^2/NDF: 101.0/102



Right In: 3515.962+/-0.751 χ^2/NDF: 6037240.1/24

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3138.666+/-0.674 χ^2/NDF: 8123292.2/29

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

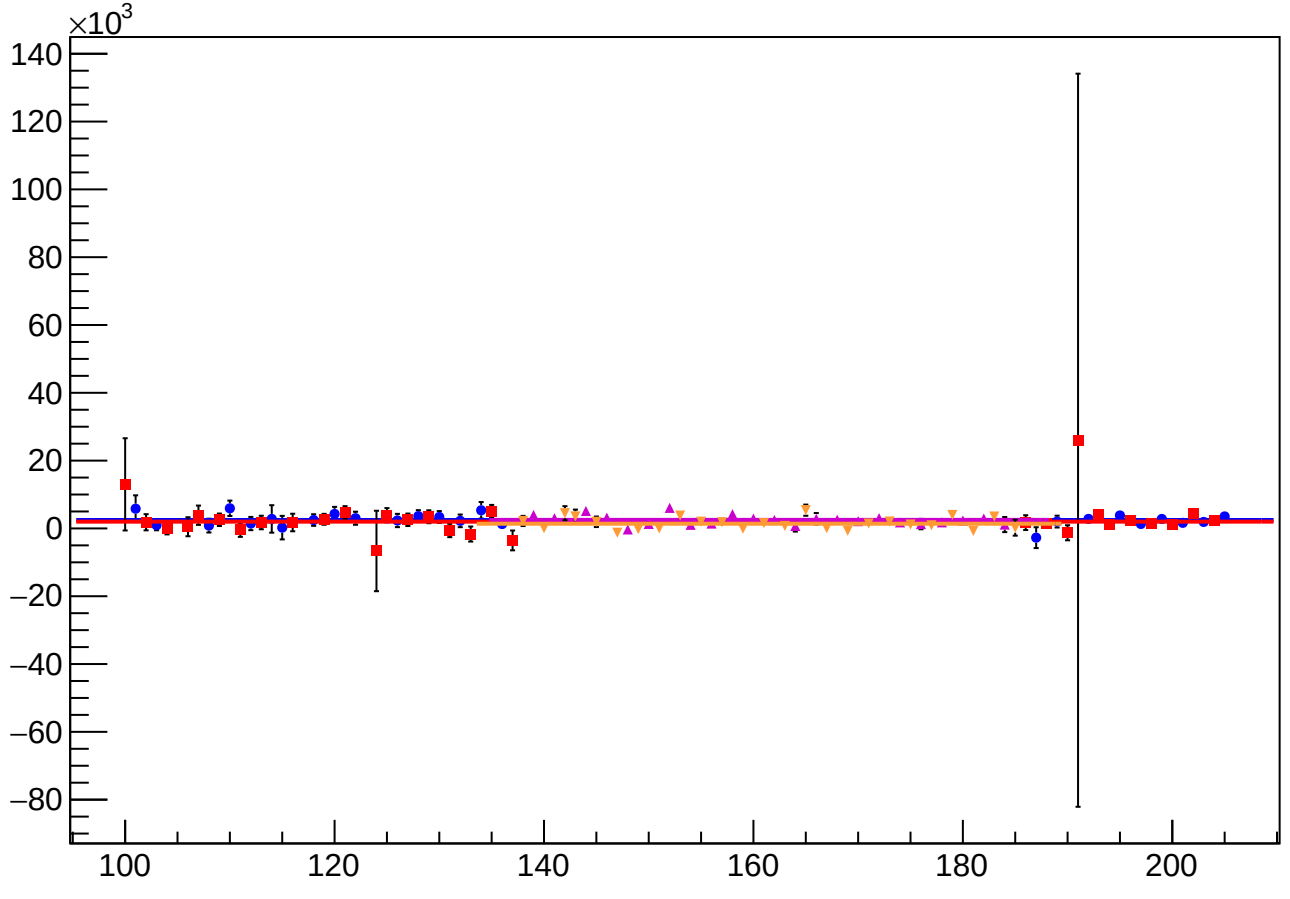
Left: 4556.257+/-0.544 χ^2/NDF: 4470709.2/47

Right: 3306.822+/-0.502 χ^2/NDF: 14300359.2/54

In: 4110.885+/-0.551 χ^2/NDF:8624444.1/47

Out: 3694.517+/-0.496 χ^2/NDF:12684217.5/54

All: 3881.152+/-0.369 χ^2/NDF: 21624161.0/



Right In: 2480.700+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1999.039+/-341.828 χ^2/NDF: 28.1/29

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

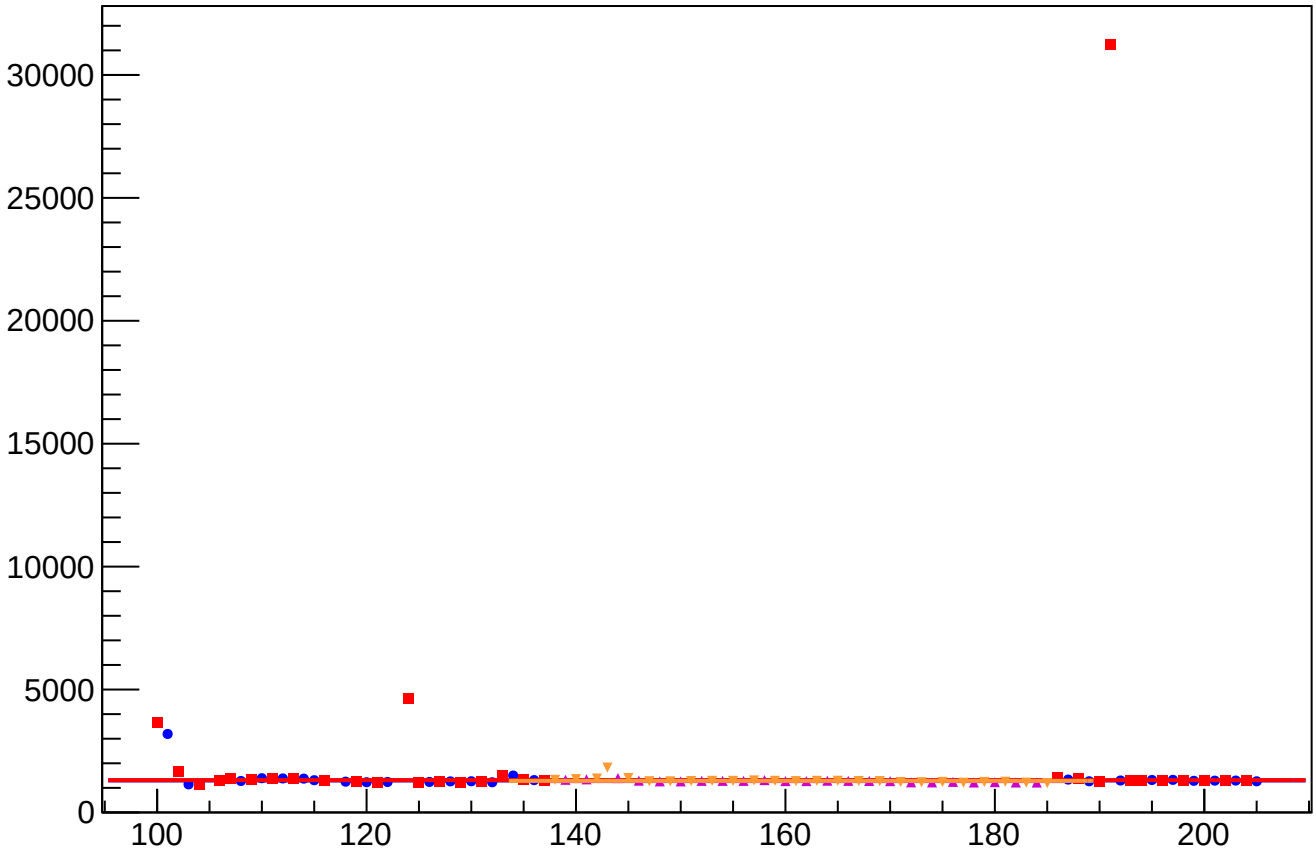
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2234.046+/-244.614 χ^2/NDF: 43.9/54

In: 2503.121+/-226.993 χ^2/NDF:37.3/47

Out: 1643.794+/-222.363 χ^2/NDF:62.9/54

All: 2064.603+/-158.846 χ^2/NDF: 107.4/102



Right In: 1301.994+/-0.248 χ^2/NDF: 519975.3/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1314.753+/-0.241 χ^2/NDF: 489583.0/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

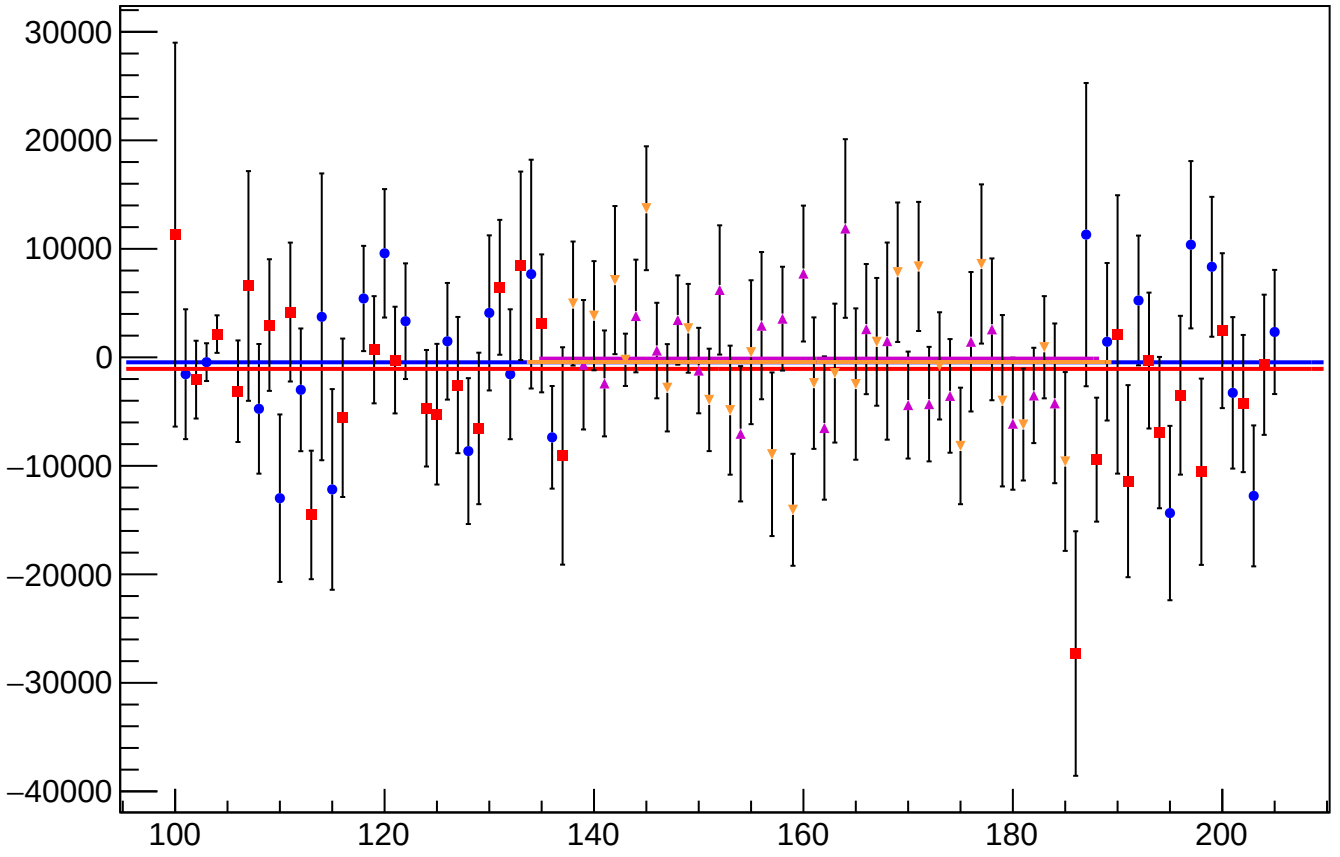
Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

Right: 1308.534+/-0.173 χ^2/NDF: 1010919.0/54

In: 1286.887+/-0.161 χ^2/NDF:567793.2/47

Out: 1297.978+/-0.157 χ^2/NDF:688982.2/54

All: 1292.549+/-0.112 χ^2/NDF: 1259212.8/10



Right In: -457.077+/-1054.990 χ^2/NDF: 27.2/24

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1064.137+/-983.702 χ^2/NDF: 28.4/29

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

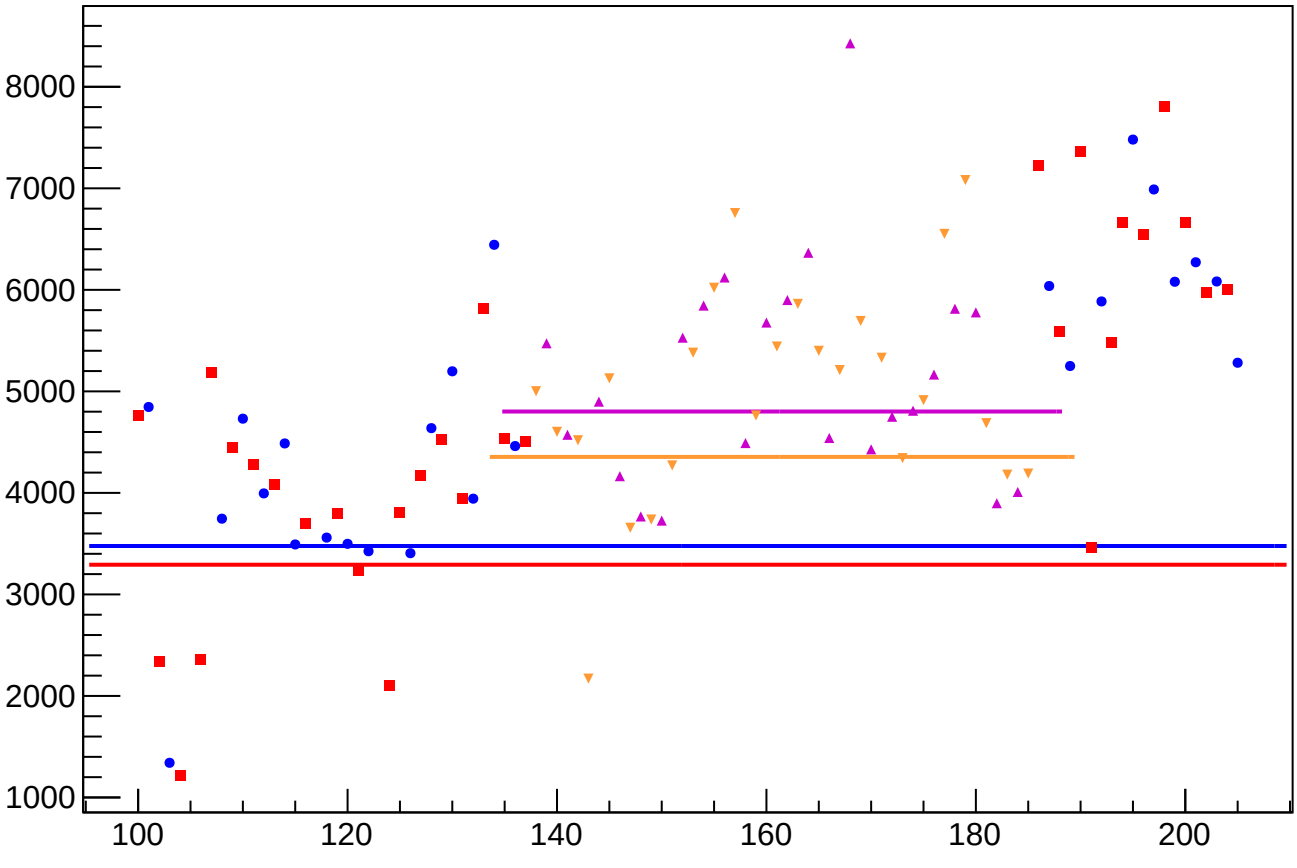
Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

Right: -781.809+/-719.466 χ^2/NDF: 55.8/54

In: -301.944+/-775.768 χ^2/NDF:40.9/47

Out: -763.400+/-714.018 χ^2/NDF:58.4/54

All: -551.766+/-525.363 χ^2/NDF: 99.5/102



Right In: 3476.927+/-0.746 χ^2/NDF: 6221183.9/24

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3292.415+/-0.696 χ^2/NDF: 7463652.6/29

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

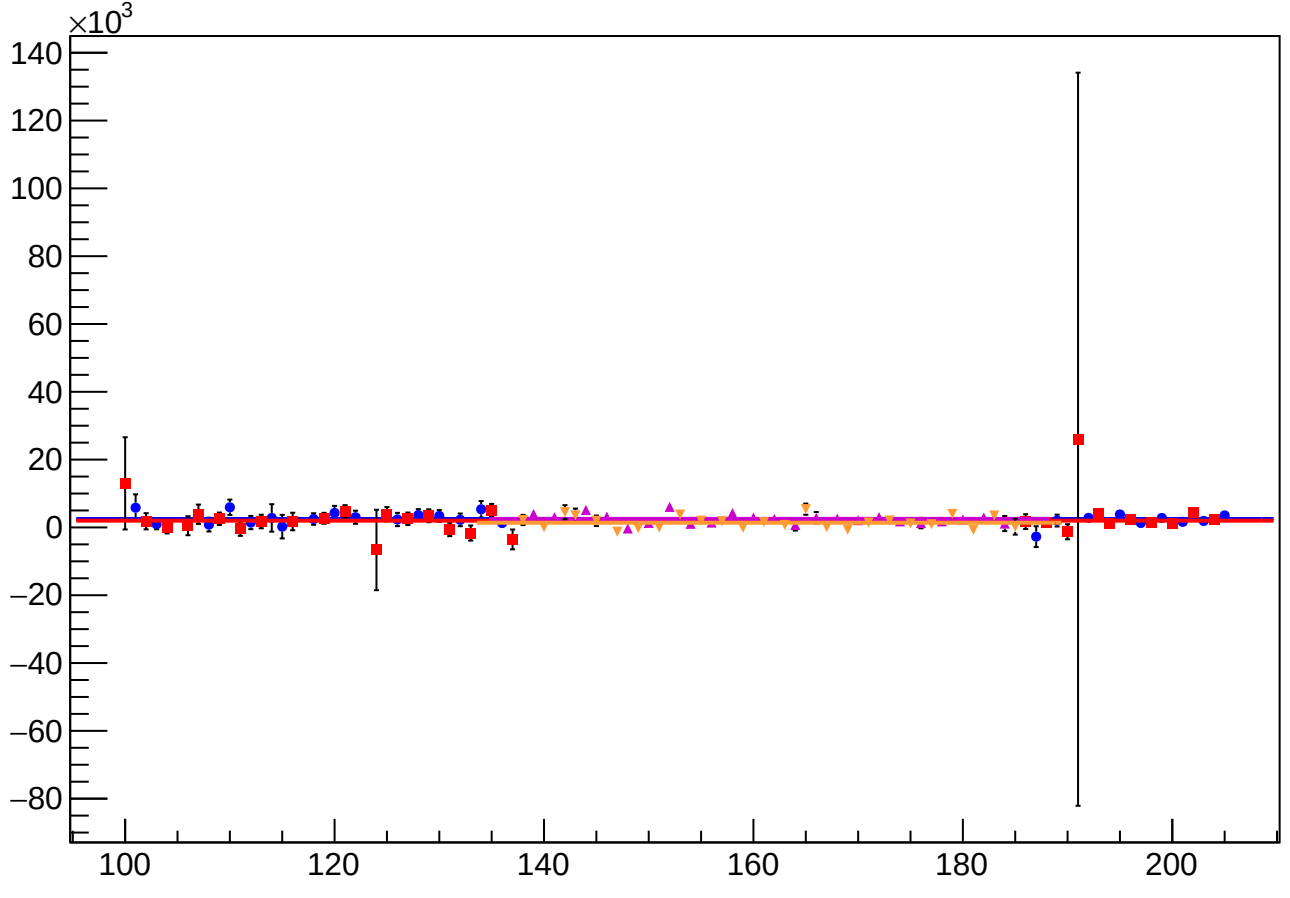
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3378.227+/-0.509 χ^2/NDF: 13717561.1/54

In: 4085.319+/-0.549 χ^2/NDF:8901233.4/47

Out: 3794.940+/-0.505 χ^2/NDF:11638305.0/54

All: 3928.114+/-0.371 χ^2/NDF: 20691242.1/1



Right In: 2480.700+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: 1999.039+/-341.828 χ^2/NDF: 28.1/29

Left In: 2519.366+/-298.095 χ^2/NDF:22.5/22

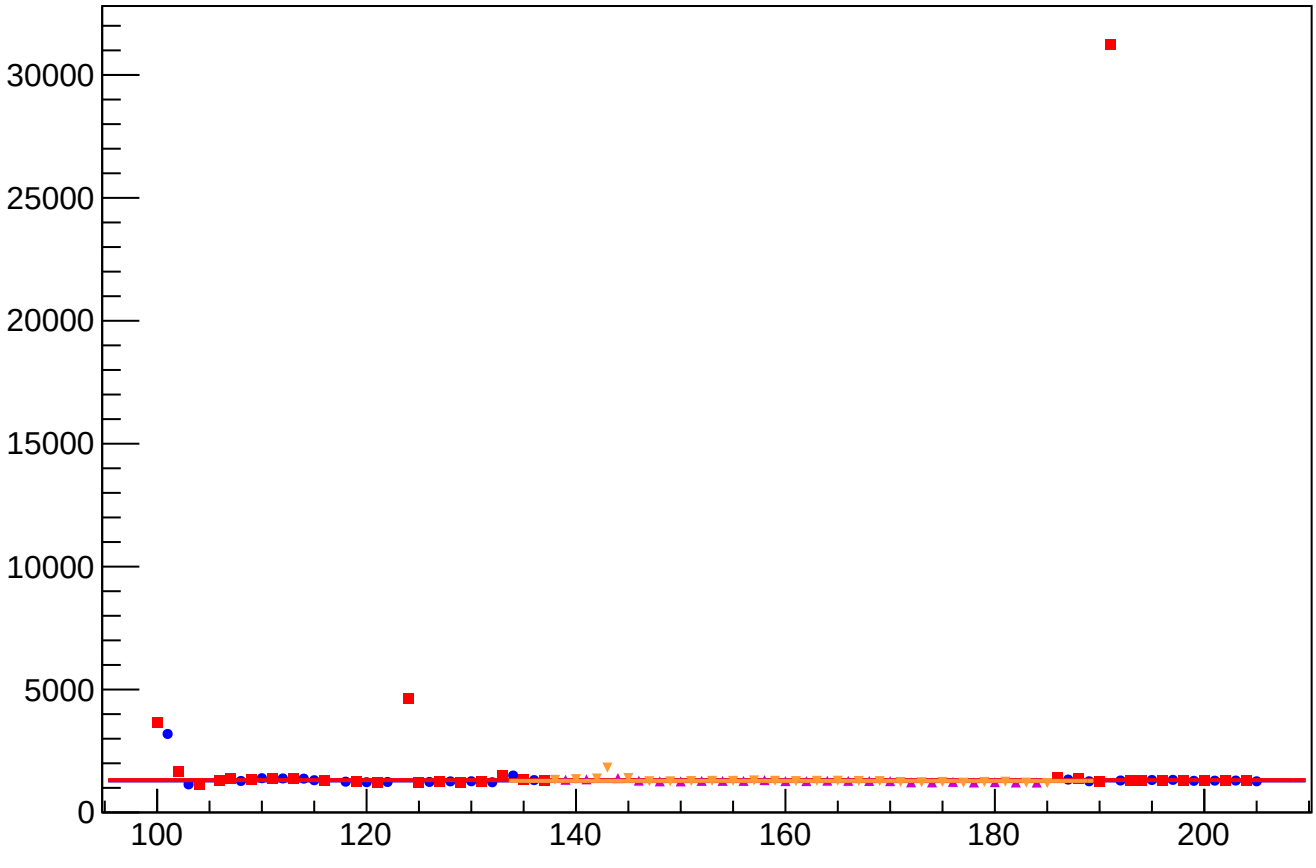
Left: 1941.050+/-208.879 χ^2/NDF: 62.8/47

Right: 2234.046+/-244.614 χ^2/NDF: 43.9/54

In: 2503.121+/-226.993 χ^2/NDF:37.3/47

Out: 1643.794+/-222.363 χ^2/NDF:62.9/54

All: 2064.603+/-158.846 χ^2/NDF: 107.4/102



Right In: 1301.994+/-0.248 χ^2/NDF: 519975.3/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

Right Out: 1314.753+/-0.241 χ^2/NDF: 489583.0/29

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

Left: 1280.882+/-0.148 χ^2/NDF: 233506.1/47

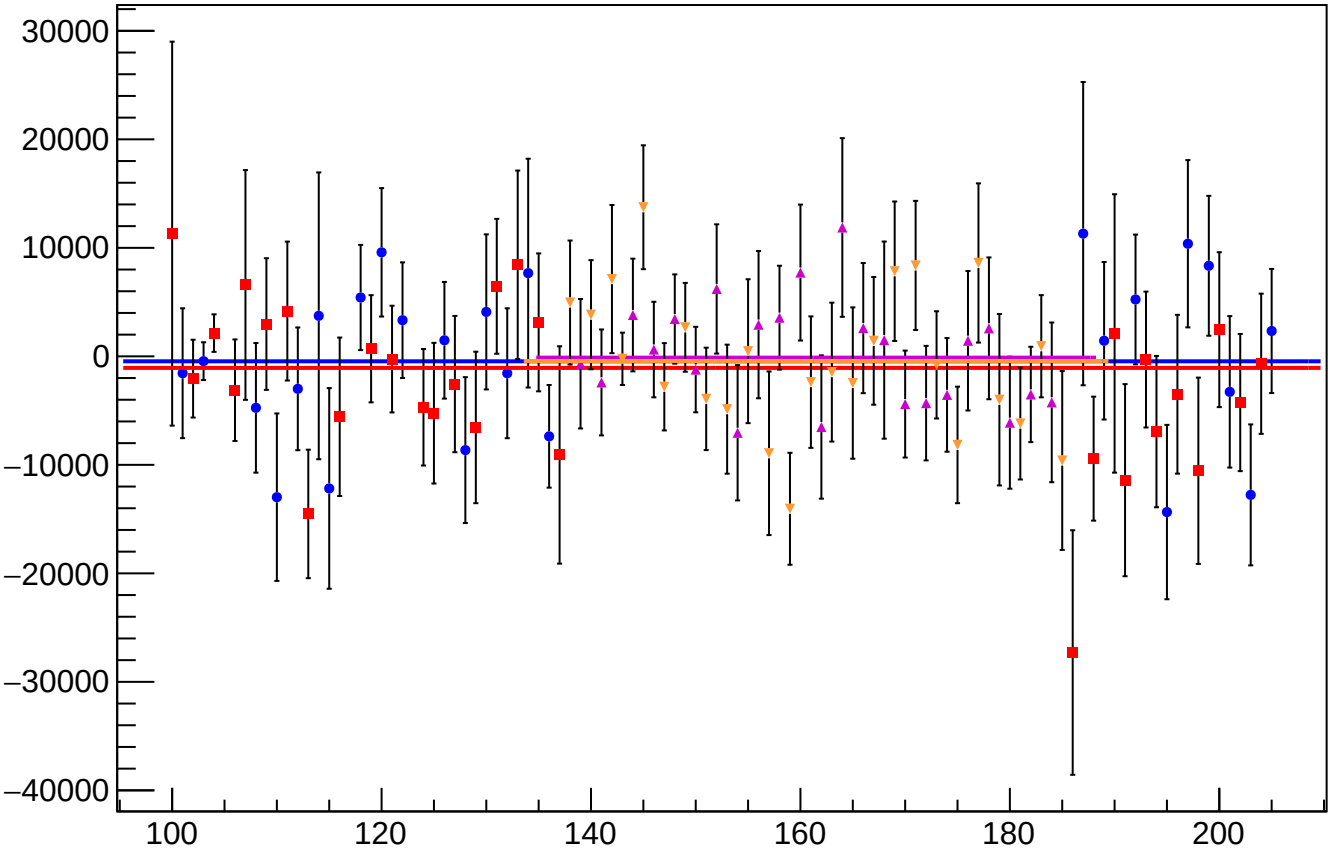
Right: 1308.534+/-0.173 χ^2/NDF: 1010919.0/54

In: 1286.887+/-0.161 χ^2/NDF:567793.2/47

Out: 1297.978+/-0.157 χ^2/NDF:688982.2/54

All: 1292.549+/-0.112 χ^2/NDF: 1259212.8/10

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -457.077+/-1054.990 χ^2/NDF: 27.2/24

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

Right Out: -1064.137+/-983.702 χ^2/NDF: 28.4/29

Left In: -119.307+/-1144.695 χ^2/NDF:13.6/22

Left: -288.990+/-768.952 χ^2/NDF: 43.5/47

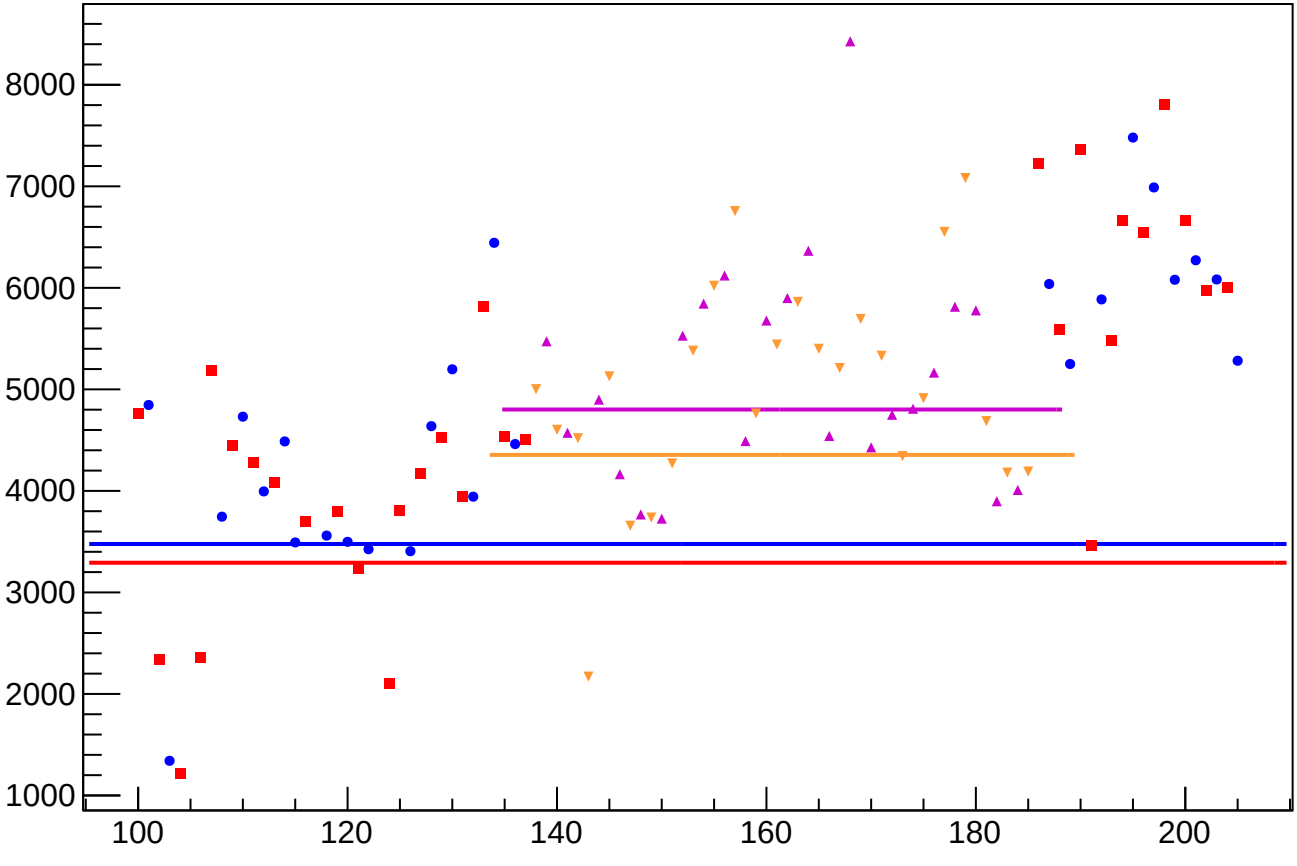
Right: -781.809+/-719.466 χ^2/NDF: 55.8/54

In: -301.944+/-775.768 χ^2/NDF:40.9/47

Out: -763.400+/-714.018 χ^2/NDF:58.4/54

All: -551.766+/-525.363 χ^2/NDF: 99.5/102

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3476.927+/-0.746 χ^2/NDF: 6221183.9/24

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3292.415+/-0.696 χ^2/NDF: 7463652.6/29

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

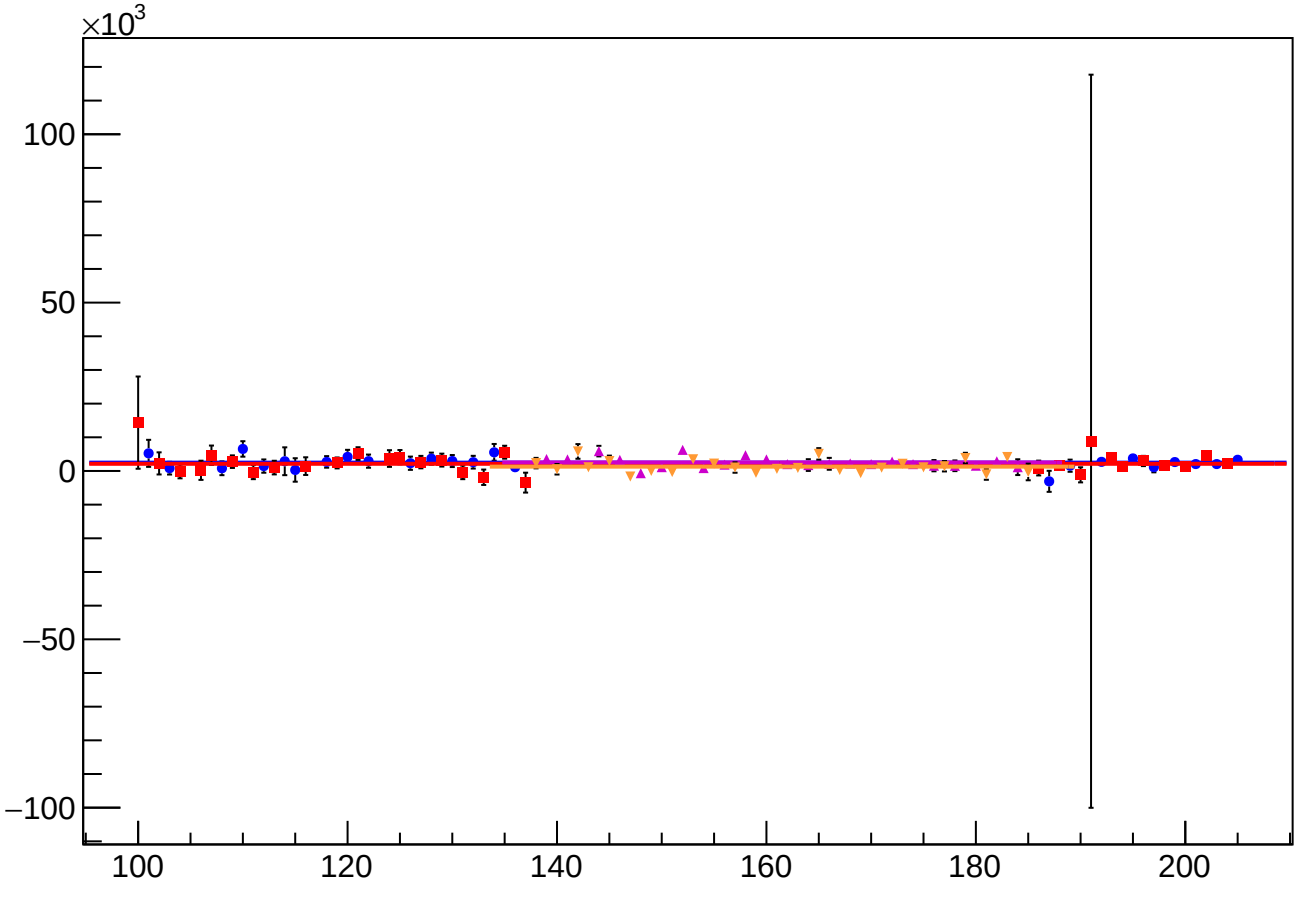
Left: 4556.247+/-0.544 χ^2/NDF: 4470822.6/47

Right: 3378.227+/-0.509 χ^2/NDF: 13717561.1/54

In: 4085.319+/-0.549 χ^2/NDF:8901233.4/47

Out: 3794.940+/-0.505 χ^2/NDF:11638305.0/54

All: 3928.114+/-0.371 χ^2/NDF: 20691242.1/1



Right In: 2473.234+/-360.595 χ^2/NDF: 14.9/24

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: 2130.862+/-349.148 χ^2/NDF: 29.7/29

Left In: 2531.791+/-312.886 χ^2/NDF:25.0/22

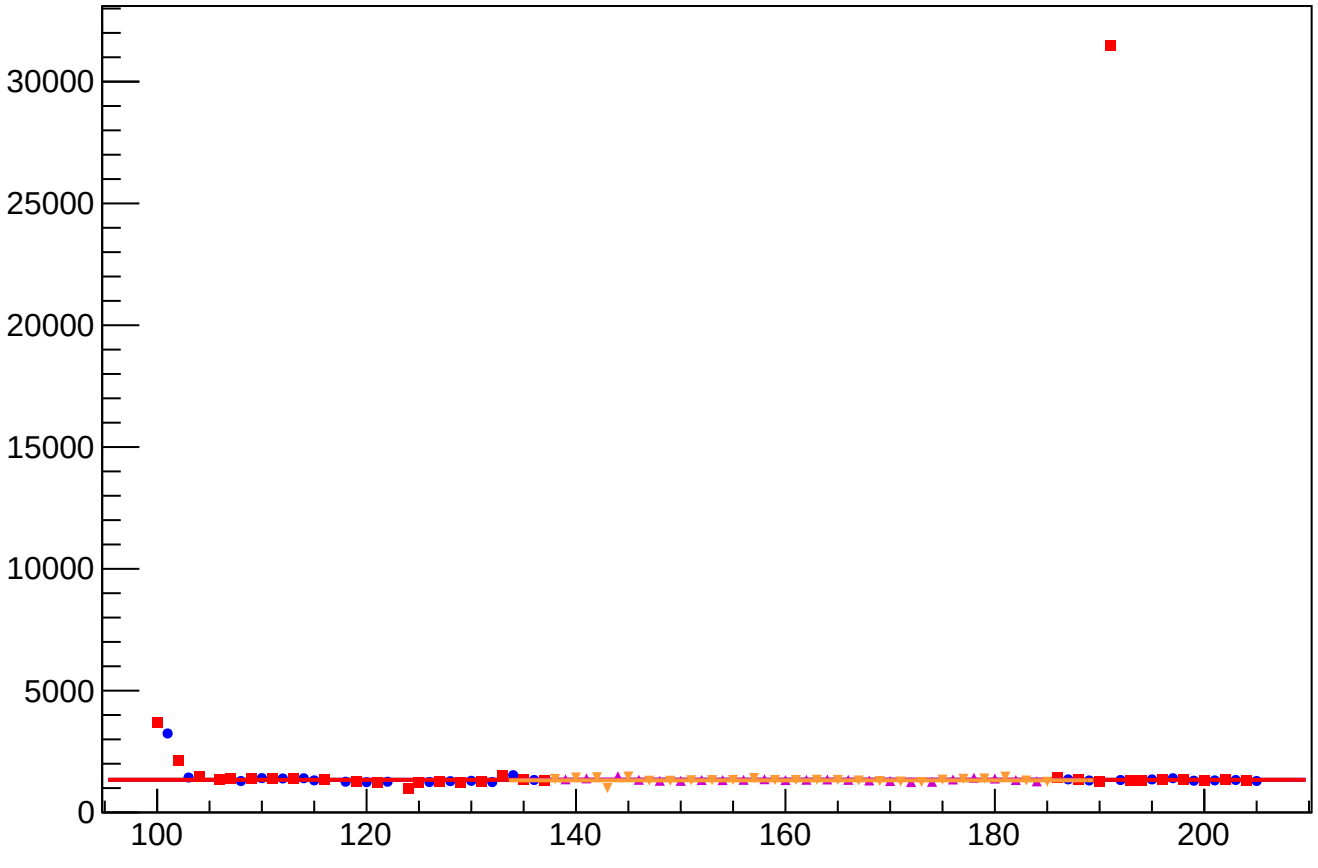
Left: 1882.989+/-216.743 χ^2/NDF: 66.7/47

Right: 2296.528+/-250.834 χ^2/NDF: 45.1/54

In: 2506.640+/-236.325 χ^2/NDF:40.0/47

Out: 1644.651+/-227.773 χ^2/NDF:66.4/54

All: 2059.767+/-164.000 χ^2/NDF: 113.3/102



Right In: 1340.559+/-0.255 χ^2/NDF: 503690.2/24

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

Right Out: 1341.009+/-0.247 χ^2/NDF: 435139.6/29

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

Left: 1327.977+/-0.153 χ^2/NDF: 307230.5/47

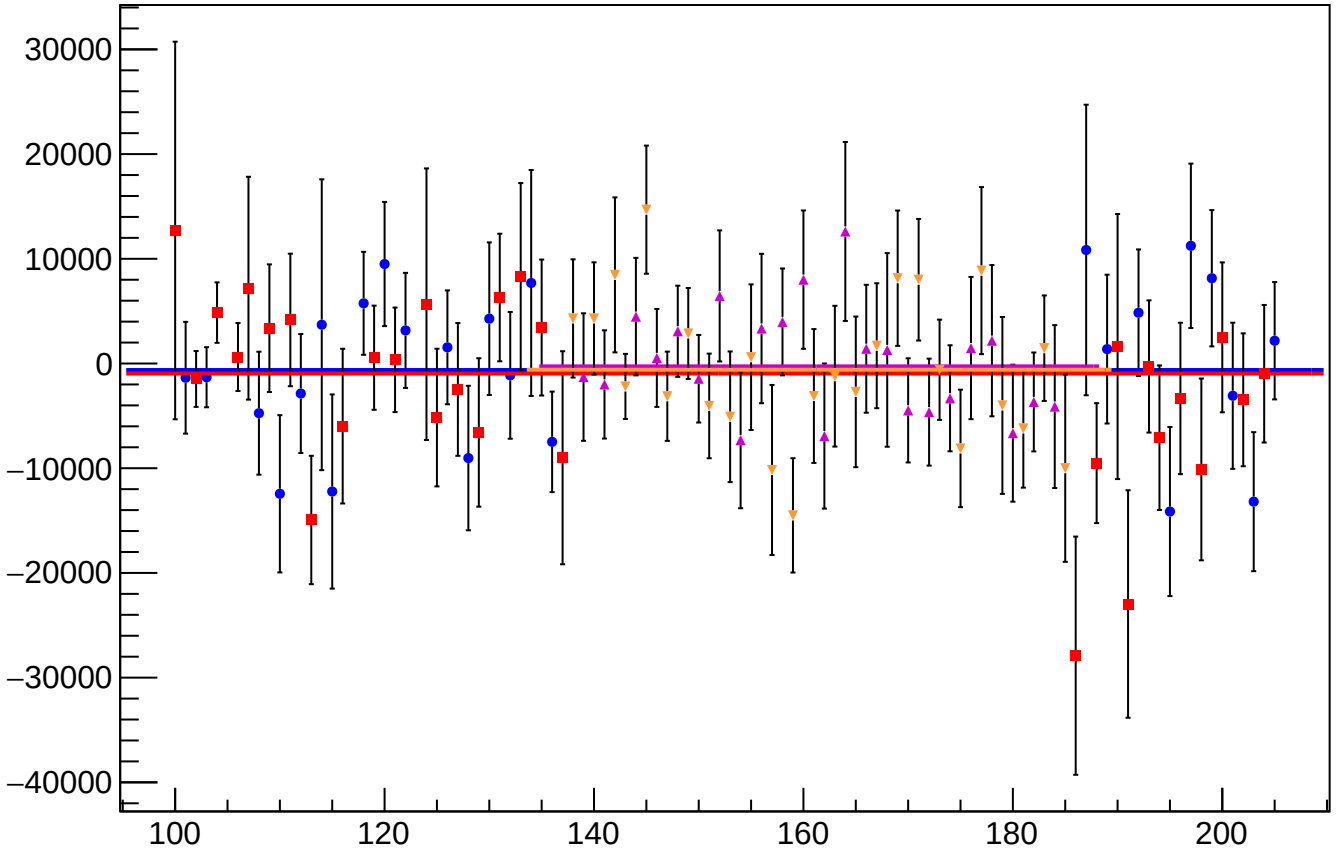
Right: 1340.791+/-0.177 χ^2/NDF: 938831.4/54

In: 1339.443+/-0.167 χ^2/NDF:557972.2/47

Out: 1327.896+/-0.161 χ^2/NDF:688603.1/54

All: 1333.456+/-0.116 χ^2/NDF: 1249050.8/10

asym_atl_avg_atr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -623.125+/-1204.179 χ^2/NDF: 27.1/24

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

Right Out: -956.369+/-1059.718 χ^2/NDF: 31.8/29

Left In: -272.915+/-1196.804 χ^2/NDF:13.4/22

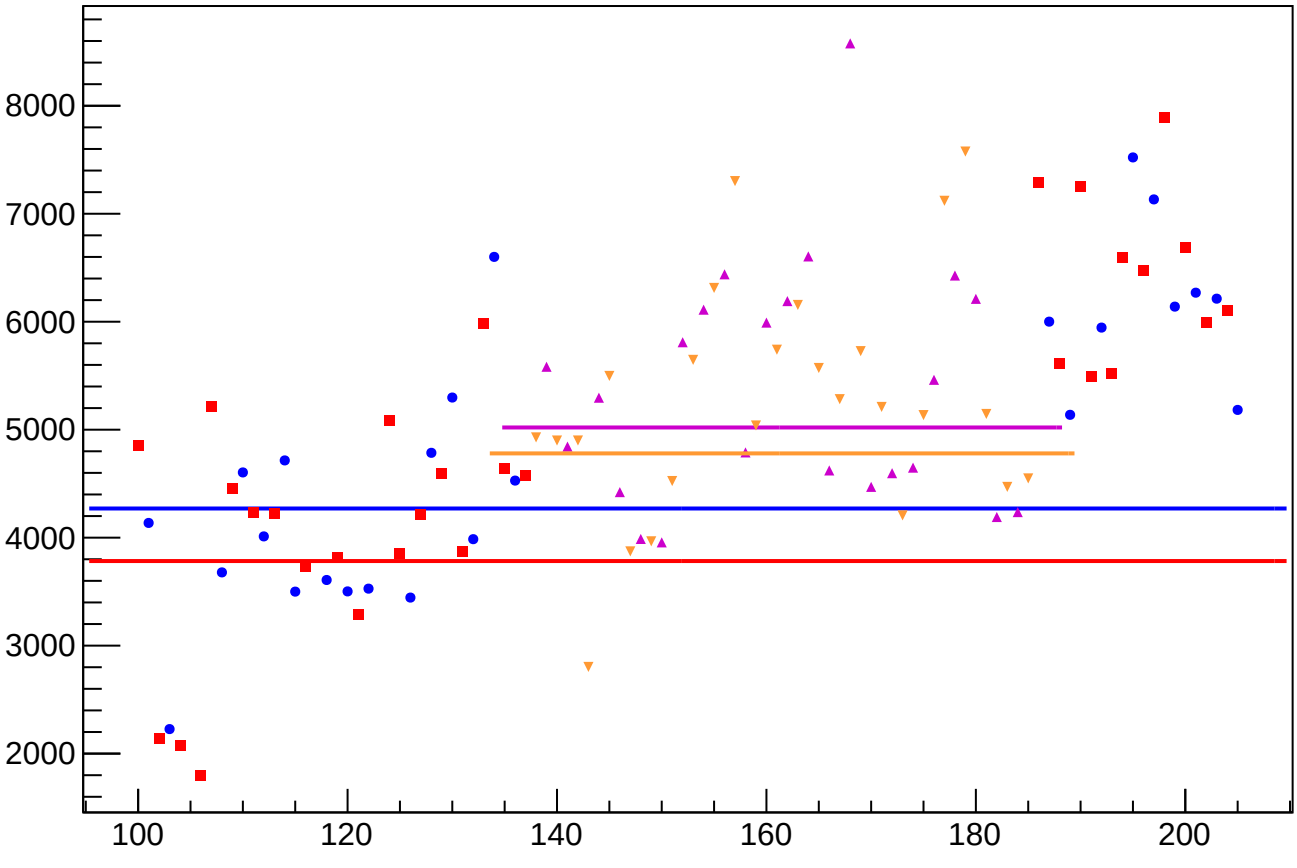
Left: -444.251+/-818.653 χ^2/NDF: 43.0/47

Right: -810.925+/-795.531 χ^2/NDF: 59.0/54

In: -446.944+/-848.864 χ^2/NDF:40.6/47

Out: -785.999+/-770.504 χ^2/NDF:61.4/54

All: -632.840+/-570.525 χ^2/NDF: 102.0/102



Right In: 4270.097+/-0.851 χ^2/NDF: 2724938.8/24

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3783.417+/-0.749 χ^2/NDF: 5166679.6/29

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

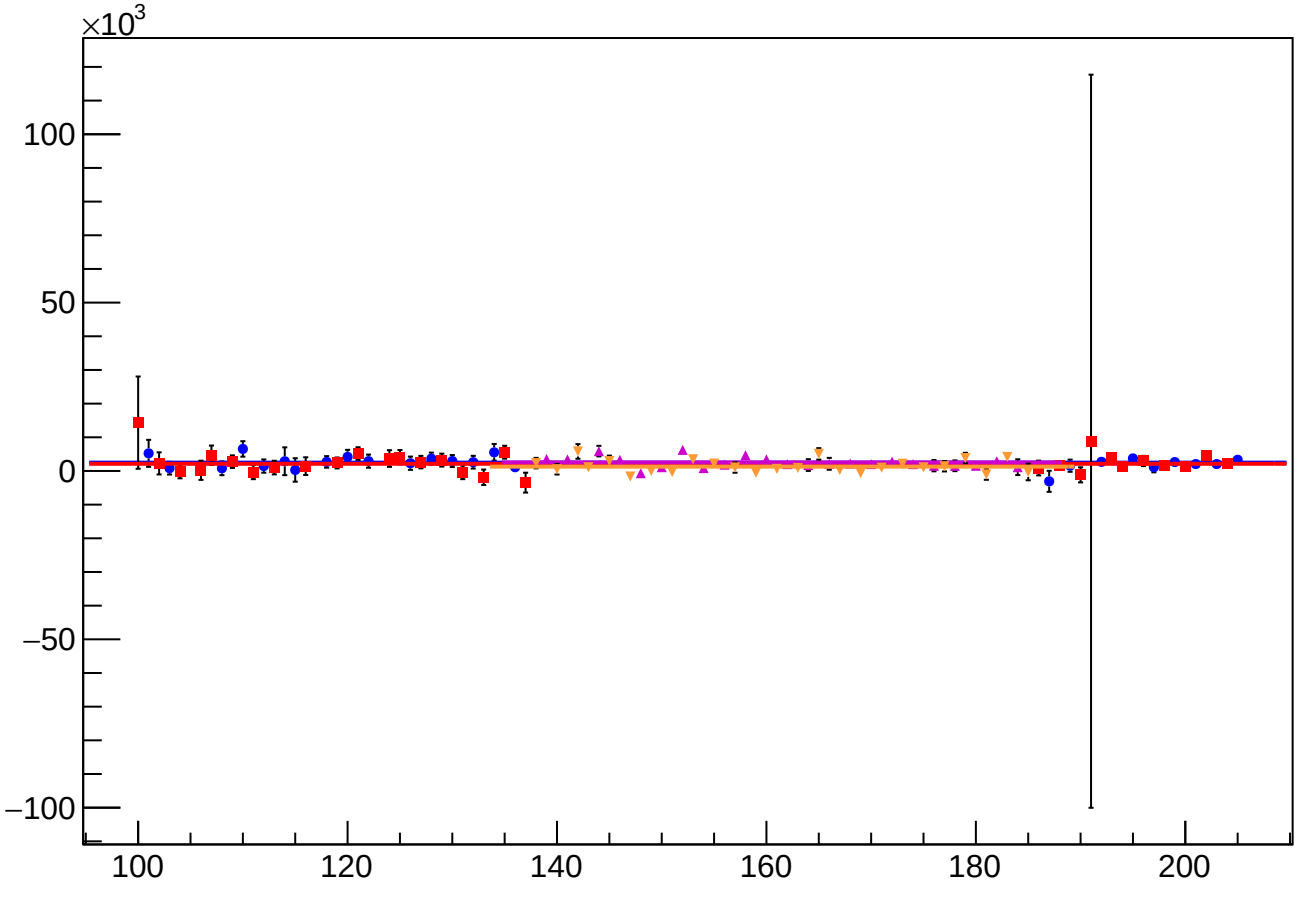
Left: 4892.769+/-0.579 χ^2/NDF: 3274191.3/47

Right: 3995.827+/-0.563 χ^2/NDF: 8075725.0/54

In: 4647.633+/-0.600 χ^2/NDF:4340814.2/47

Out: 4253.342+/-0.545 χ^2/NDF:8007304.7/54

All: 4431.453+/-0.403 χ^2/NDF: 12584704.8/1



Right In: 2473.231+/-360.595 χ^2/NDF: 14.9/24

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: 2130.861+/-349.148 χ^2/NDF: 29.7/29

Left In: 2531.791+/-312.887 χ^2/NDF:25.0/22

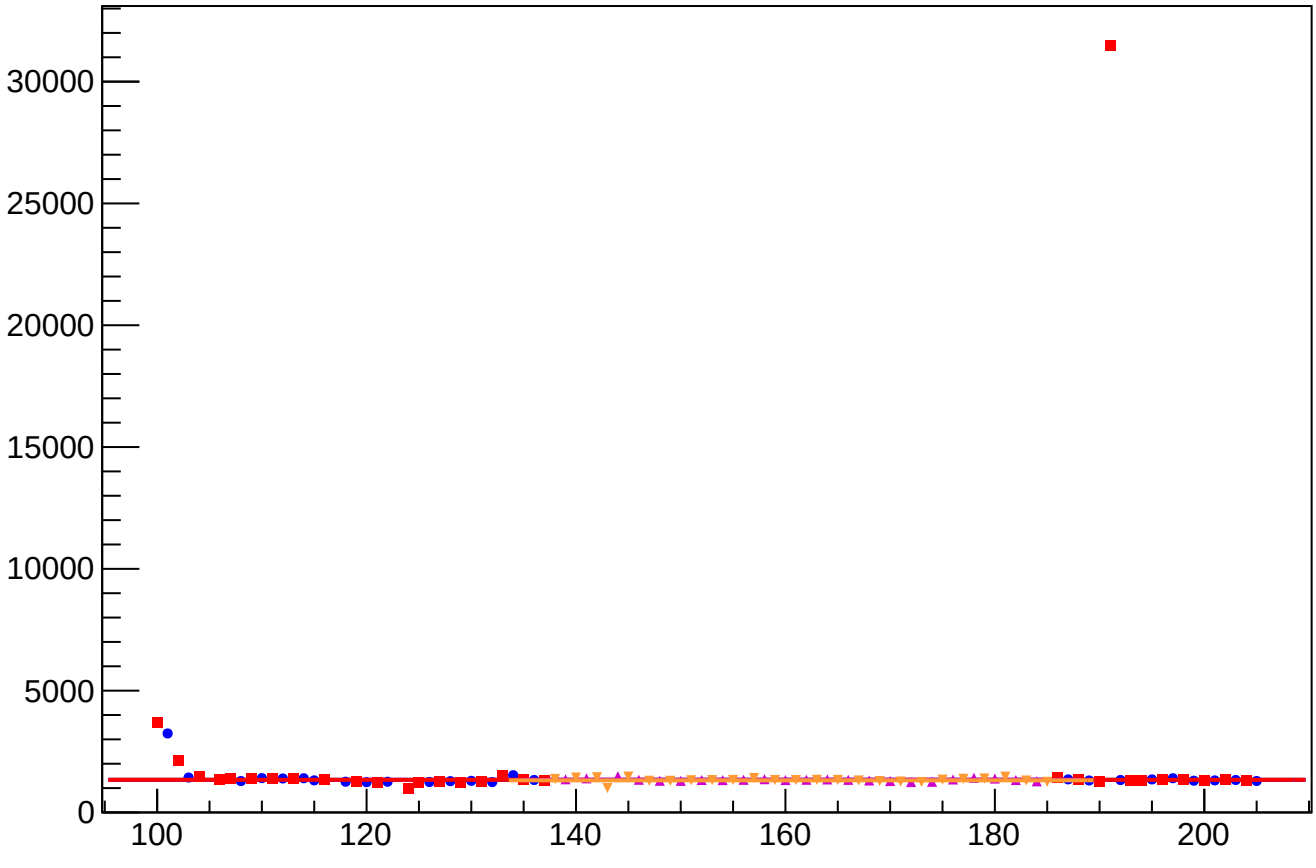
Left: 1882.986+/-216.744 χ^2/NDF: 66.7/47

Right: 2296.526+/-250.834 χ^2/NDF: 45.1/54

In: 2506.639+/-236.325 χ^2/NDF:40.0/47

Out: 1644.648+/-227.773 χ^2/NDF:66.4/54

All: 2059.765+/-164.000 χ^2/NDF: 113.3/102



Right In: 1340.558+/-0.255 χ^2/NDF: 503690.5/24

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

Right Out: 1341.009+/-0.247 χ^2/NDF: 435138.5/29

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

Left: 1327.978+/-0.153 χ^2/NDF: 307235.6/47

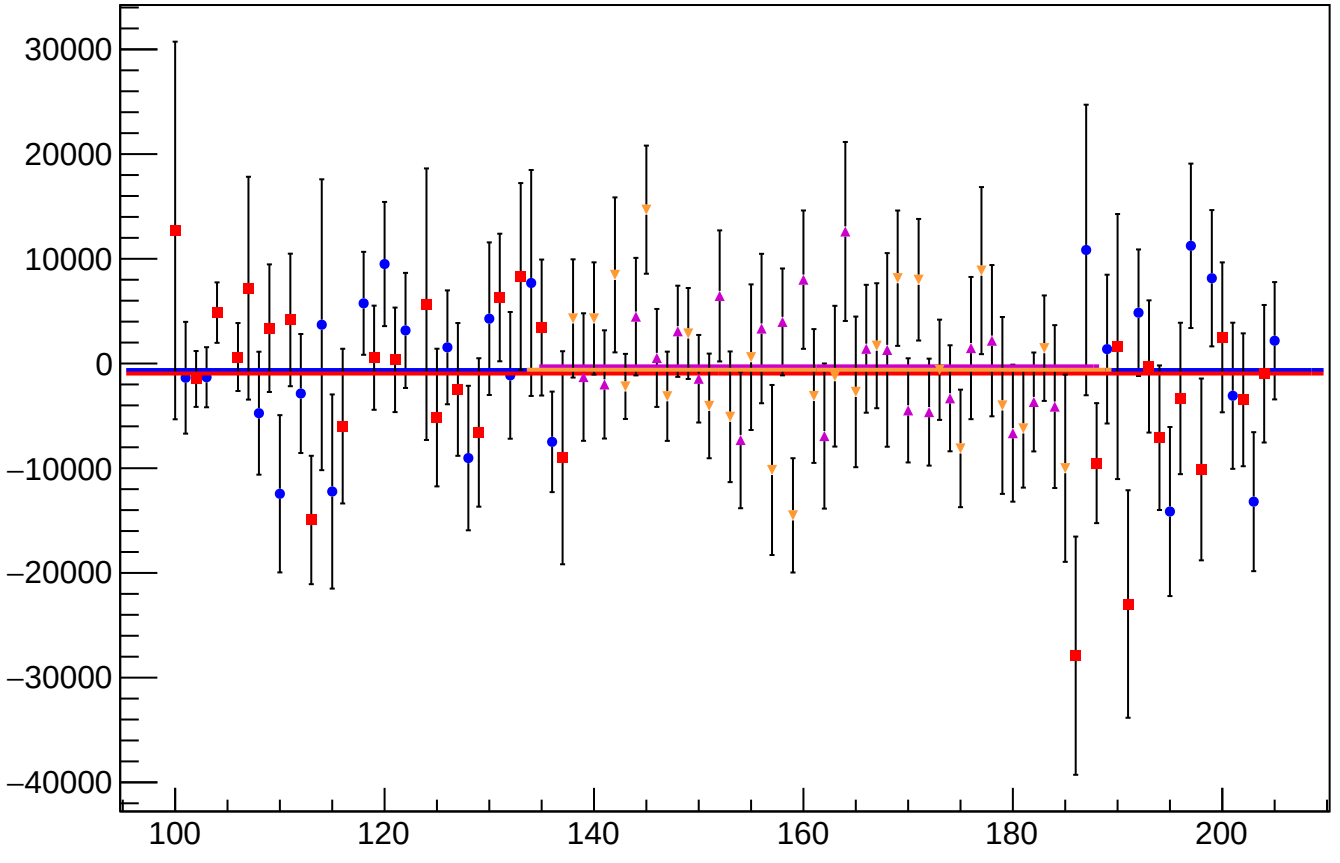
Right: 1340.791+/-0.177 χ^2/NDF: 938830.6/54

In: 1339.443+/-0.167 χ^2/NDF:557975.0/47

Out: 1327.897+/-0.161 χ^2/NDF:688603.9/54

All: 1333.457+/-0.116 χ^2/NDF: 1249054.4/10

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -623.119+/-1204.177 χ^2/NDF: 27.1/24

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

Right Out: -956.363+/-1059.716 χ^2/NDF: 31.8/29

Left In: -272.917+/-1196.806 χ^2/NDF:13.4/22

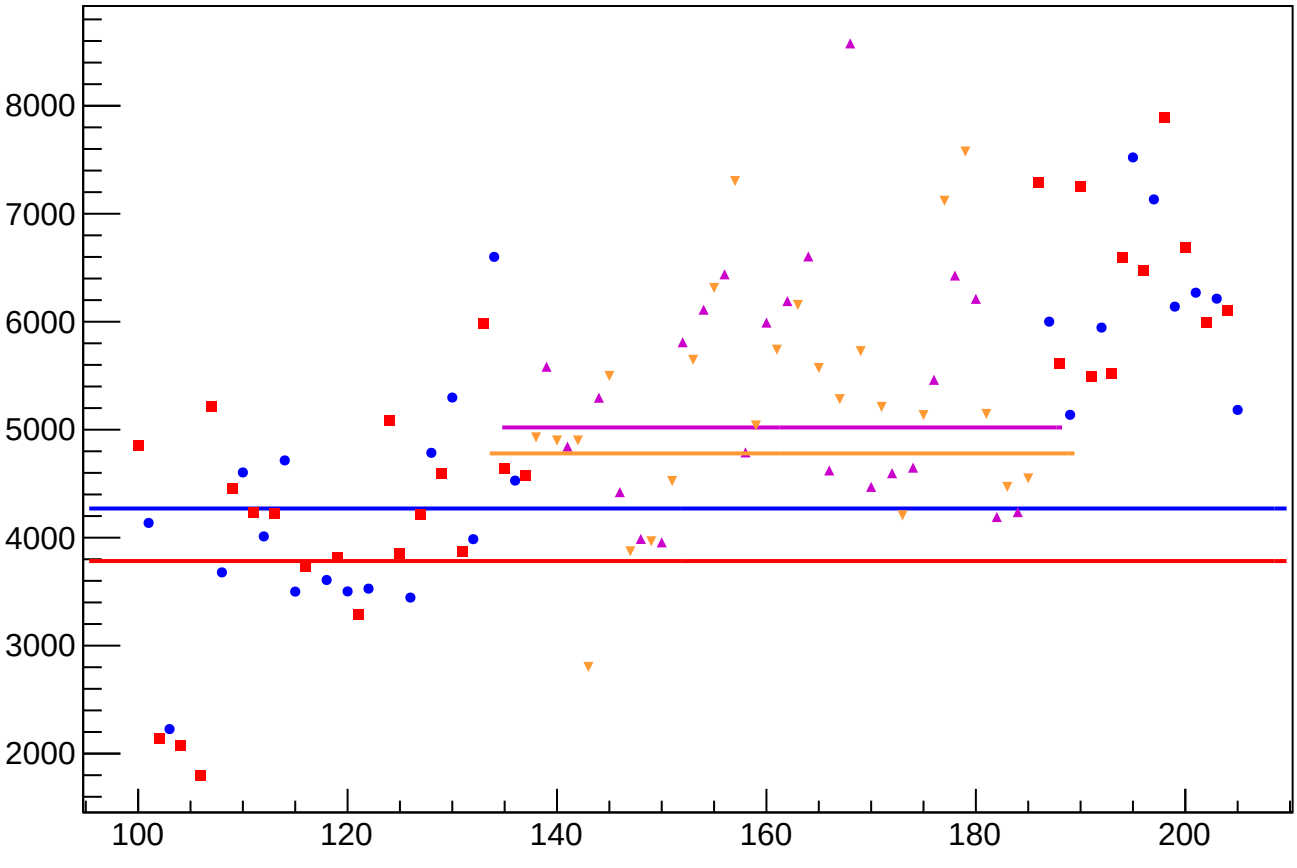
Left: -444.254+/-818.655 χ^2/NDF: 43.0/47

Right: -810.919+/-795.530 χ^2/NDF: 59.0/54

In: -446.943+/-848.864 χ^2/NDF:40.6/47

Out: -785.998+/-770.504 χ^2/NDF:61.4/54

All: -632.839+/-570.525 χ^2/NDF: 102.0/102



Right In: 4270.089+/-0.851 χ^2/NDF: 2724964.7/24

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3783.408+/-0.749 χ^2/NDF: 5166712.1/29

Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

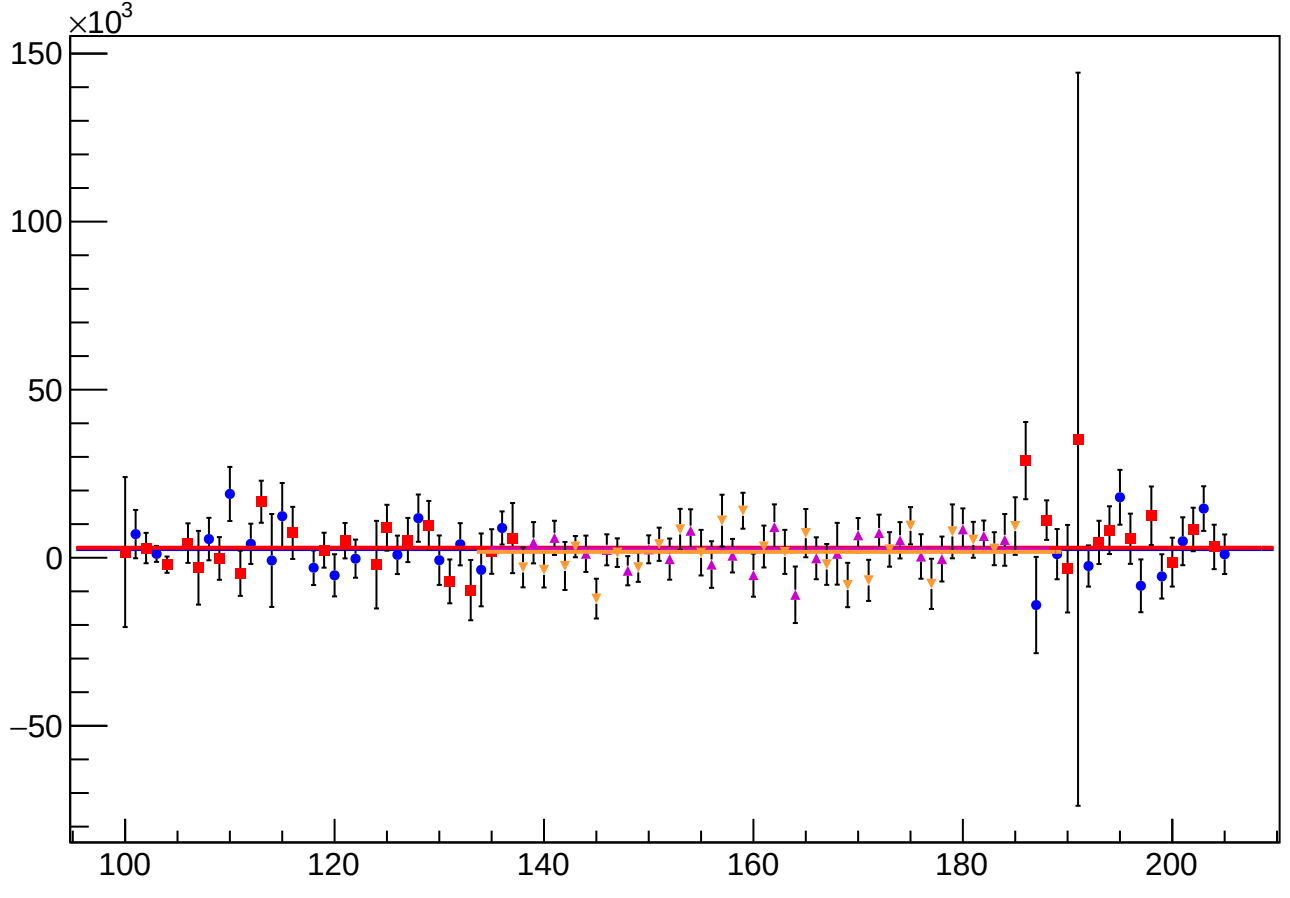
Left: 4892.776+/-0.579 χ^2/NDF: 3274196.2/47

Right: 3995.819+/-0.563 χ^2/NDF: 8075785.0/54

In: 4647.632+/-0.600 χ^2/NDF:4340859.3/47

Out: 4253.339+/-0.545 χ^2/NDF:8007366.8/54

All: 4431.450+/-0.403 χ^2/NDF: 12584814.2/



Right In: 2583.628+/-1201.356 χ^2/NDF: 25.8/24

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: 2977.541+/-1160.460 χ^2/NDF: 28.2/29

Left In: 2579.960+/-1188.448 χ^2/NDF:13.3/22

Left: 2145.206+/-813.628 χ^2/NDF: 41.2/47

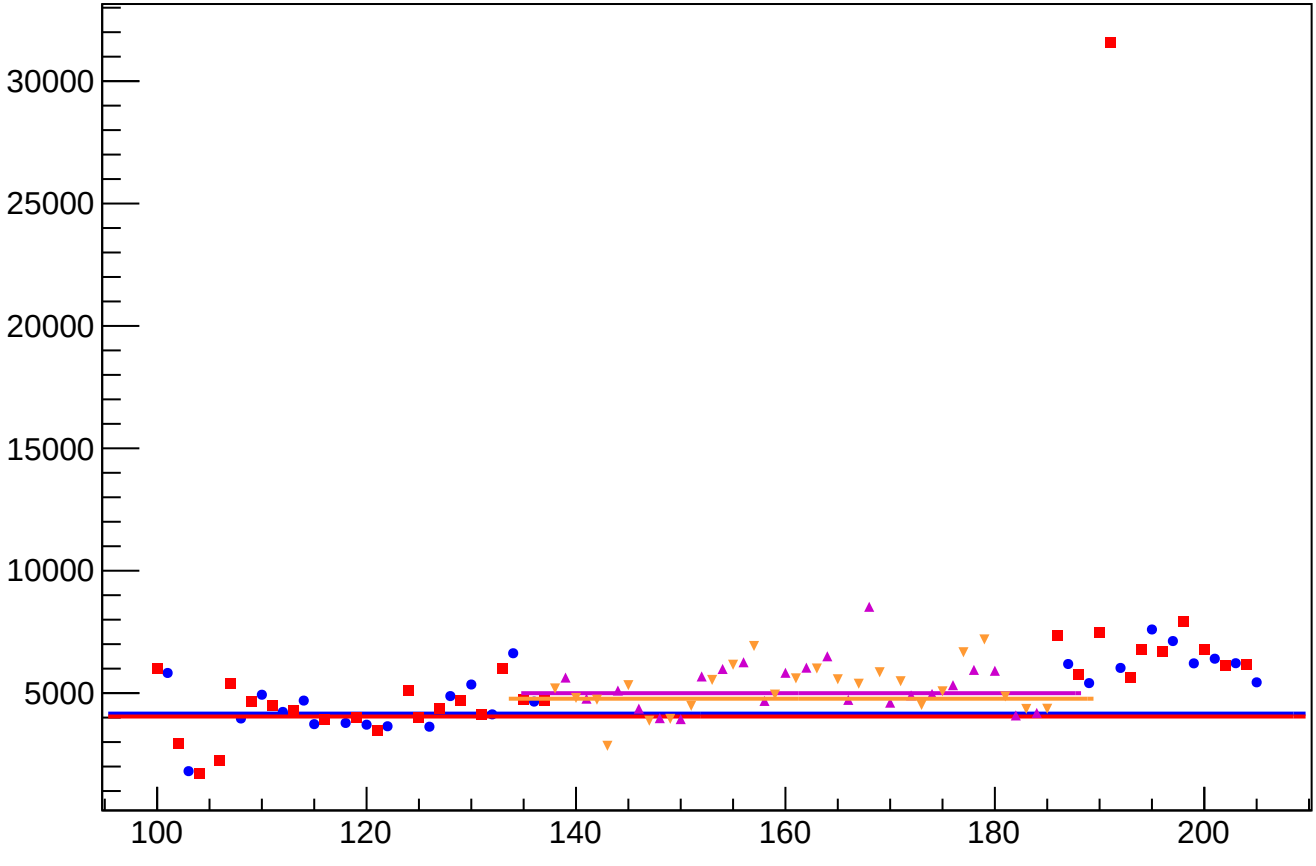
Right: 2787.403+/-834.652 χ^2/NDF: 54.0/54

In: 2581.774+/-844.886 χ^2/NDF:39.0/47

Out: 2346.001+/-804.477 χ^2/NDF:56.4/54

All: 2458.114+/-582.613 χ^2/NDF: 95.5/102

asym_atl_avg_atr_avg_avg_rms vs Slug, Sign Corrected



Right In: 4162.300+/-0.849 χ^2/NDF: 3934672.0/24

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4043.581+/-0.812 χ^2/NDF: 4912171.4/29

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

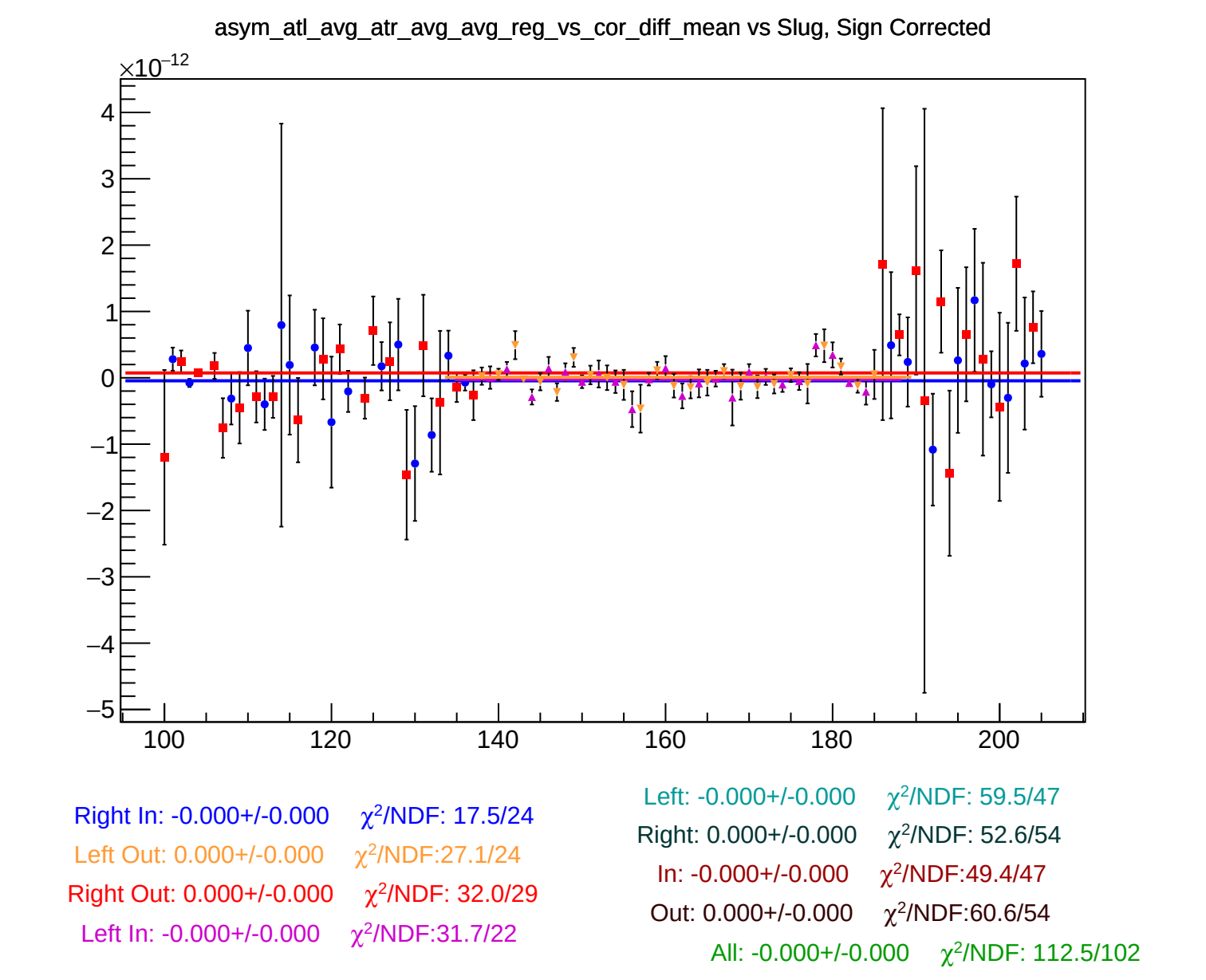
Left: 4876.890+/-0.575 χ^2/NDF: 2921229.4/47

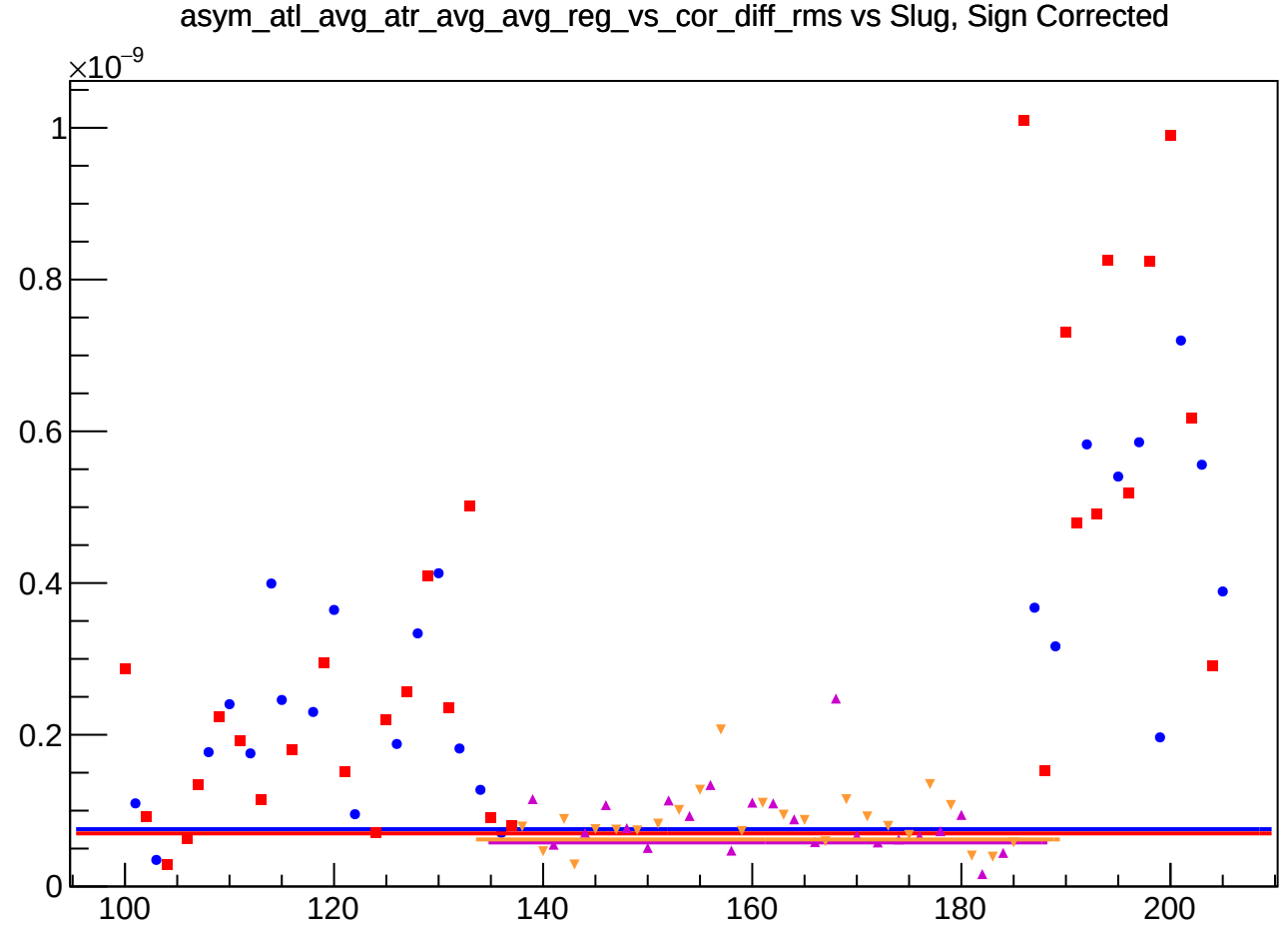
Right: 4100.269+/-0.587 χ^2/NDF: 8857048.4/54

In: 4584.014+/-0.597 χ^2/NDF:5518184.6/47

Out: 4417.730+/-0.566 χ^2/NDF:7112056.1/54

All: 4496.384+/-0.411 χ^2/NDF: 12671066.8/1


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.5/24
Left Out: 0.000+/-0.000 χ²/NDF:27.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 32.0/29
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: 52.6/54
In: -0.000+/-0.000 χ²/NDF:49.4/47
Out: 0.000+/-0.000 χ²/NDF:60.6/54
All: -0.000+/-0.000 χ²/NDF: 112.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 6323132.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7831345.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5432557.1/47

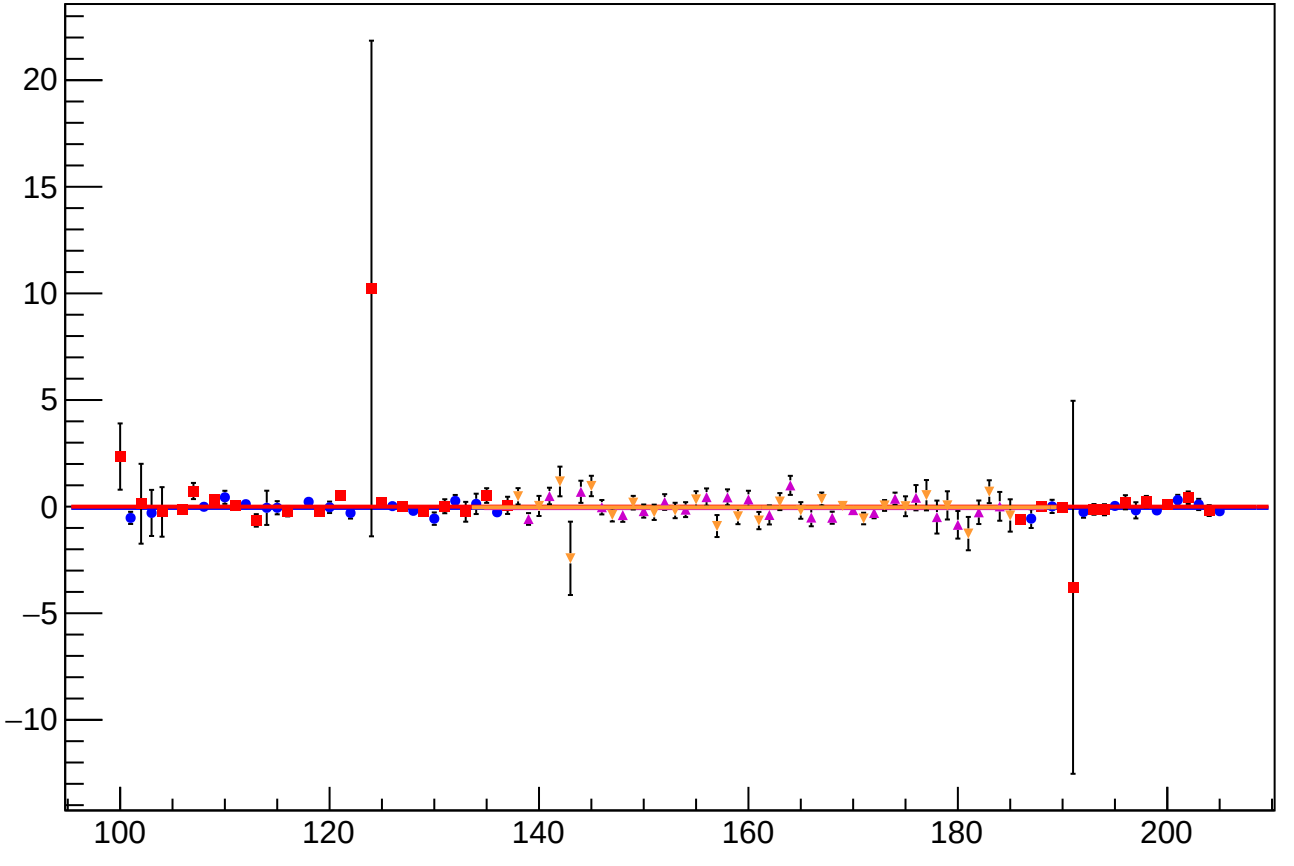
Right: 0.000+/-0.000 χ^2/NDF: 14168390.2/54

In: 0.000+/-0.000 χ^2/NDF:9495613.6/47

Out: 0.000+/-0.000 χ^2/NDF:10319748.0/54

All: 0.000+/-0.000 χ^2/NDF: 19821297.9/102

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

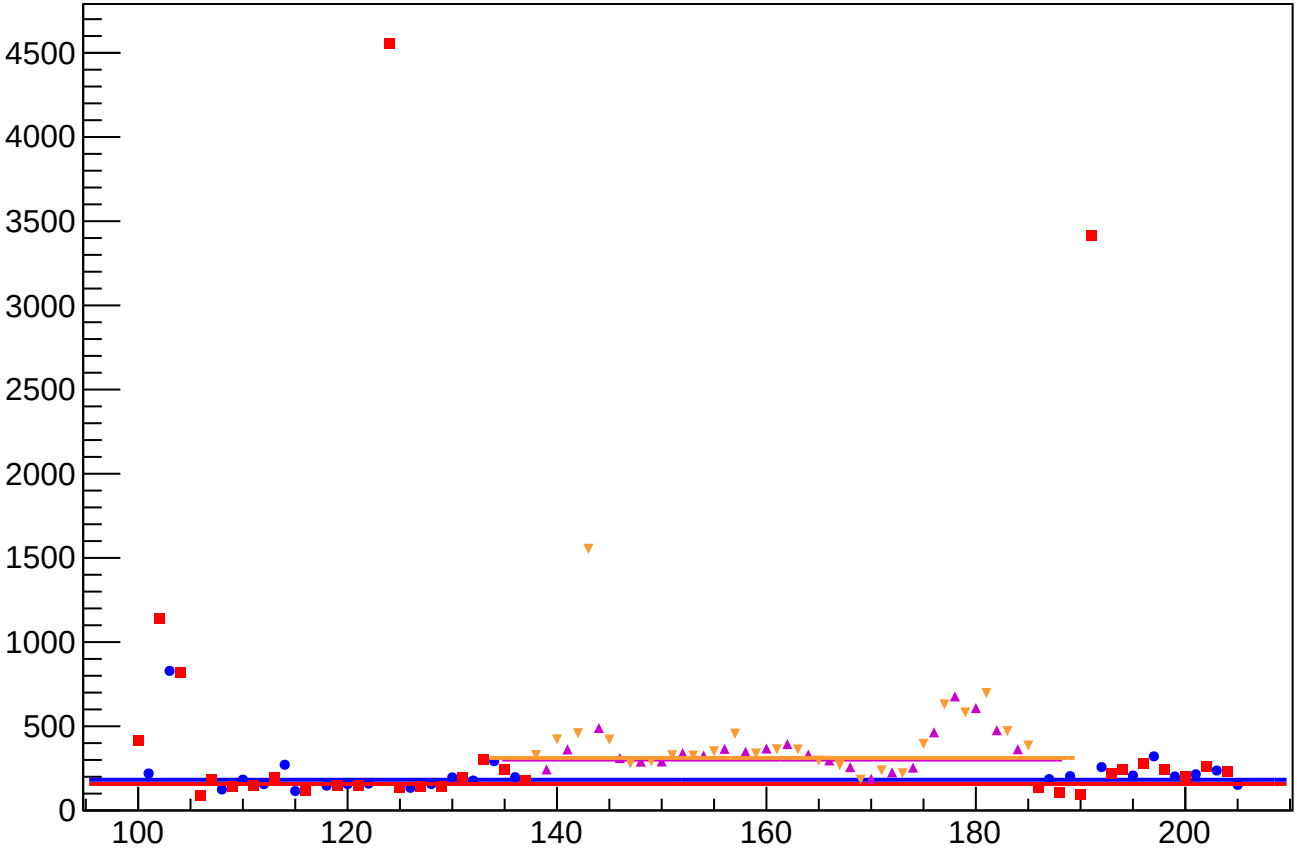
Right: -0.027+/-0.035 χ^2/NDF: 61.3/54

In: -0.064+/-0.043 χ^2/NDF:50.7/47

Out: -0.010+/-0.039 χ^2/NDF:72.5/54

All: -0.034+/-0.029 χ^2/NDF: 124.0/102

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.325+/-0.037 χ^2/NDF: 2051350.2/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 157.391+/-0.032 χ^2/NDF: 4633766.4/29

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

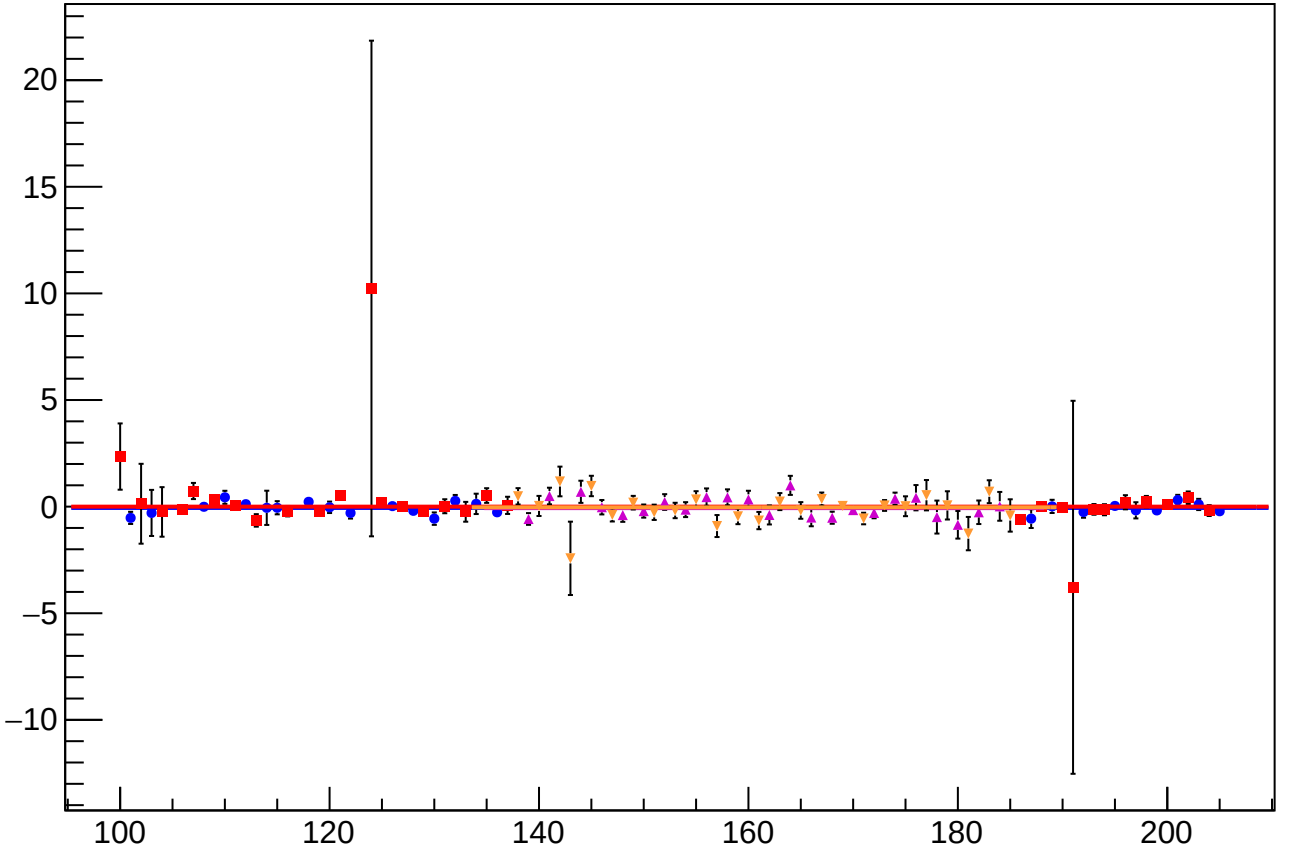
Right: 168.202+/-0.024 χ^2/NDF: 6940651.3/54

In: 221.879+/-0.030 χ^2/NDF:8305608.0/47

Out: 198.214+/-0.028 χ^2/NDF:14965309.4/54

All: 209.018+/-0.021 χ^2/NDF: 23600278.2/10

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

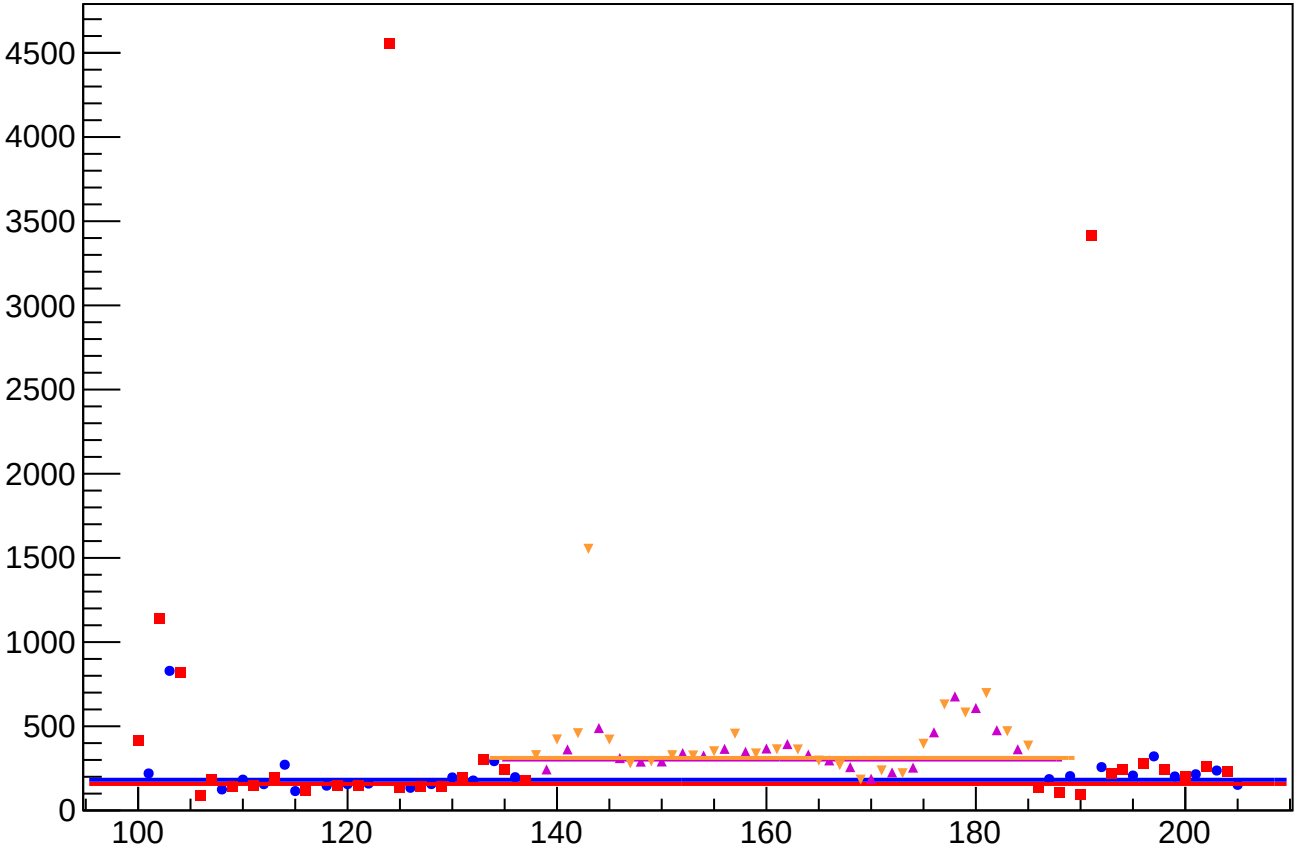
Right: -0.027+/-0.035 χ^2/NDF: 61.3/54

In: -0.064+/-0.043 χ^2/NDF:50.7/47

Out: -0.010+/-0.039 χ^2/NDF:72.5/54

All: -0.034+/-0.029 χ^2/NDF: 124.0/102

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.325+/-0.037 χ^2/NDF: 2051350.2/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

Right Out: 157.391+/-0.032 χ^2/NDF: 4633766.4/29

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

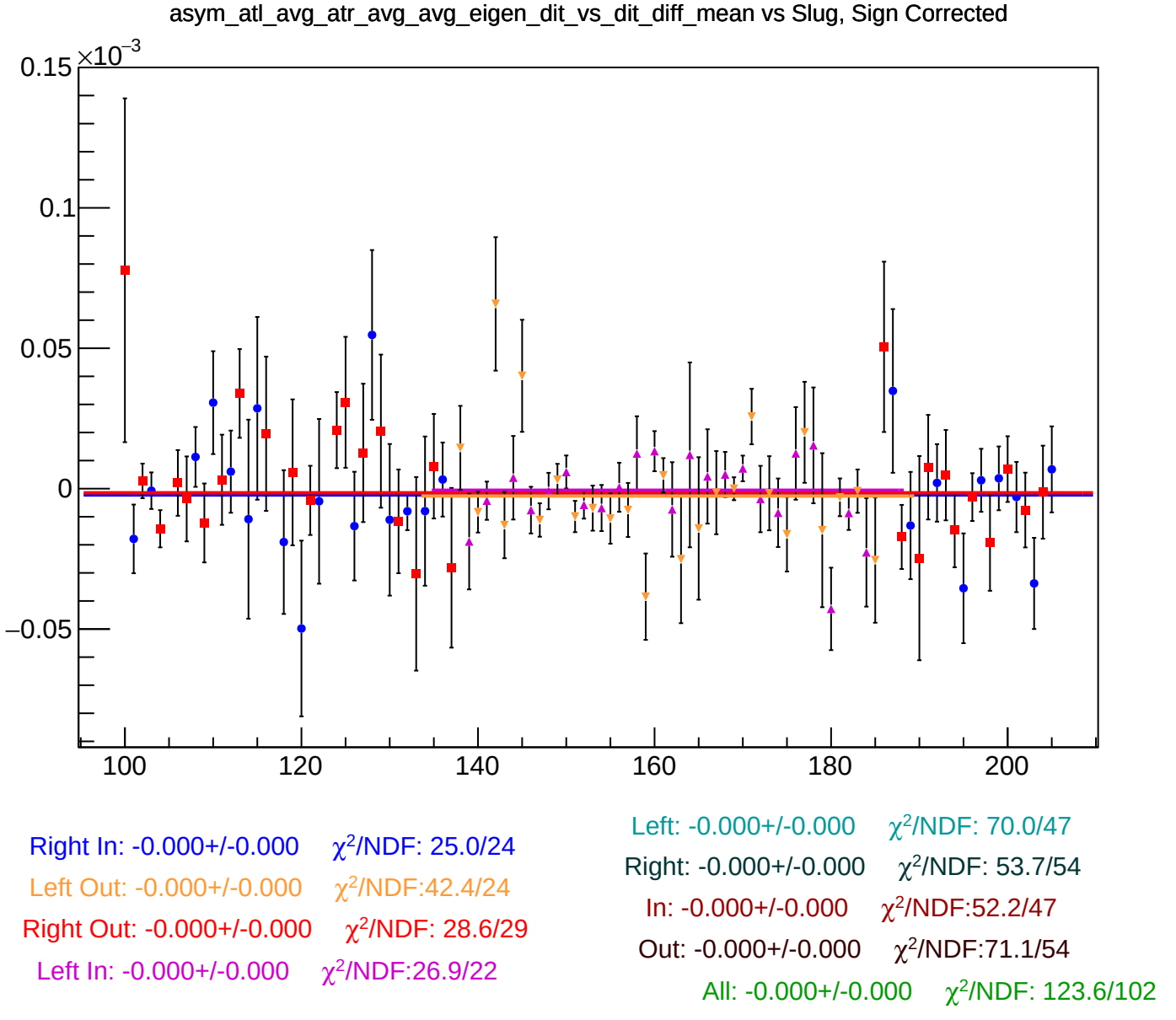
Left: 307.056+/-0.038 χ^2/NDF: 7174887.7/47

Right: 168.202+/-0.024 χ^2/NDF: 6940651.3/54

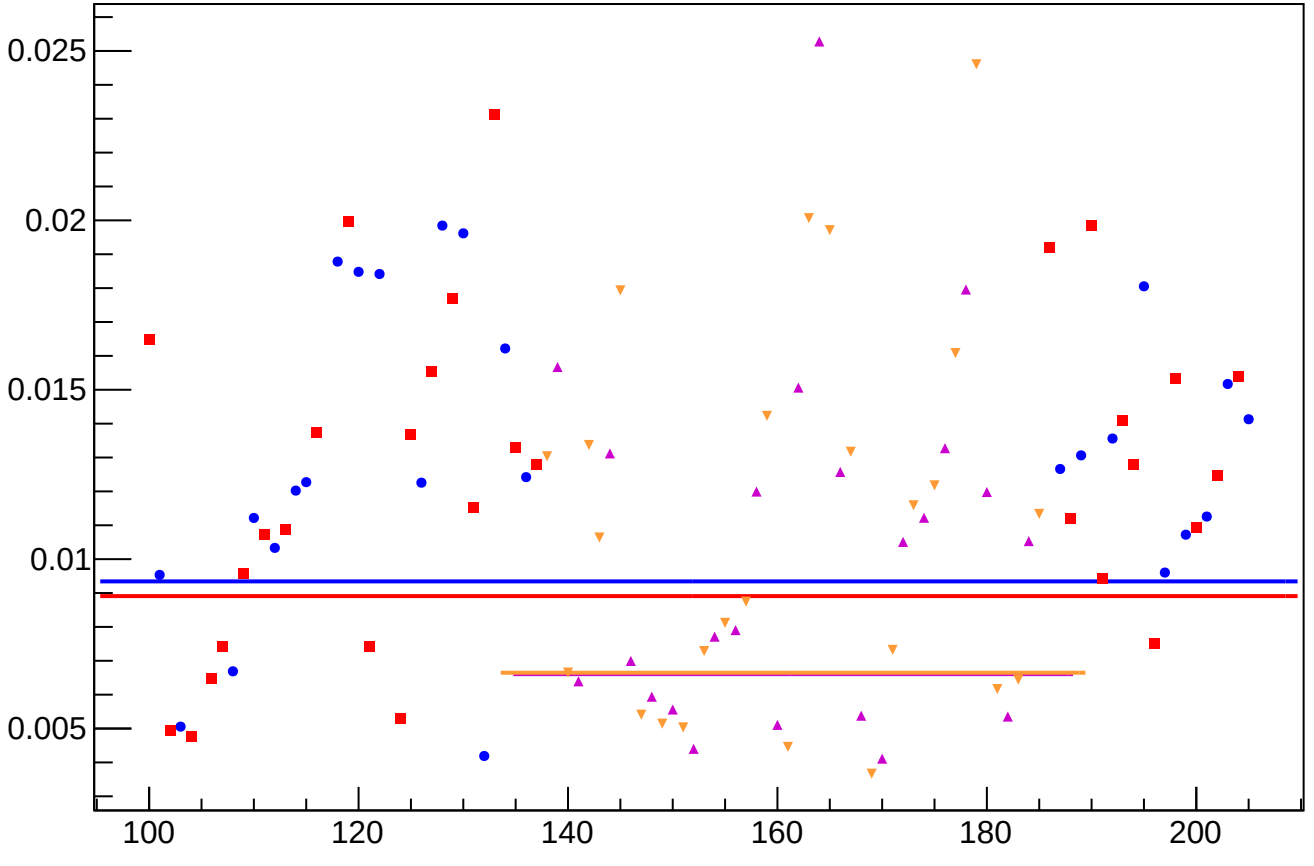
In: 221.879+/-0.030 χ^2/NDF:8305608.0/47

Out: 198.214+/-0.028 χ^2/NDF:14965309.4/54

All: 209.018+/-0.021 χ^2/NDF: 23600278.2/10


asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10^−3
0.15
0.1
0.05
0
−0.05
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.0/24
Left Out: -0.000+/-0.000 χ²/NDF:42.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 28.6/29
Left In: -0.000+/-0.000 χ²/NDF:26.9/22
Left: -0.000+/-0.000 χ²/NDF: 70.0/47
Right: -0.000+/-0.000 χ²/NDF: 53.7/54
In: -0.000+/-0.000 χ²/NDF:52.2/47
Out: -0.000+/-0.000 χ²/NDF:71.1/54
All: -0.000+/-0.000 χ²/NDF: 123.6/102

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 4887055.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 5079640.4/29

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

Left: 0.007+/-0.000 χ^2/NDF: 13370244.6/47

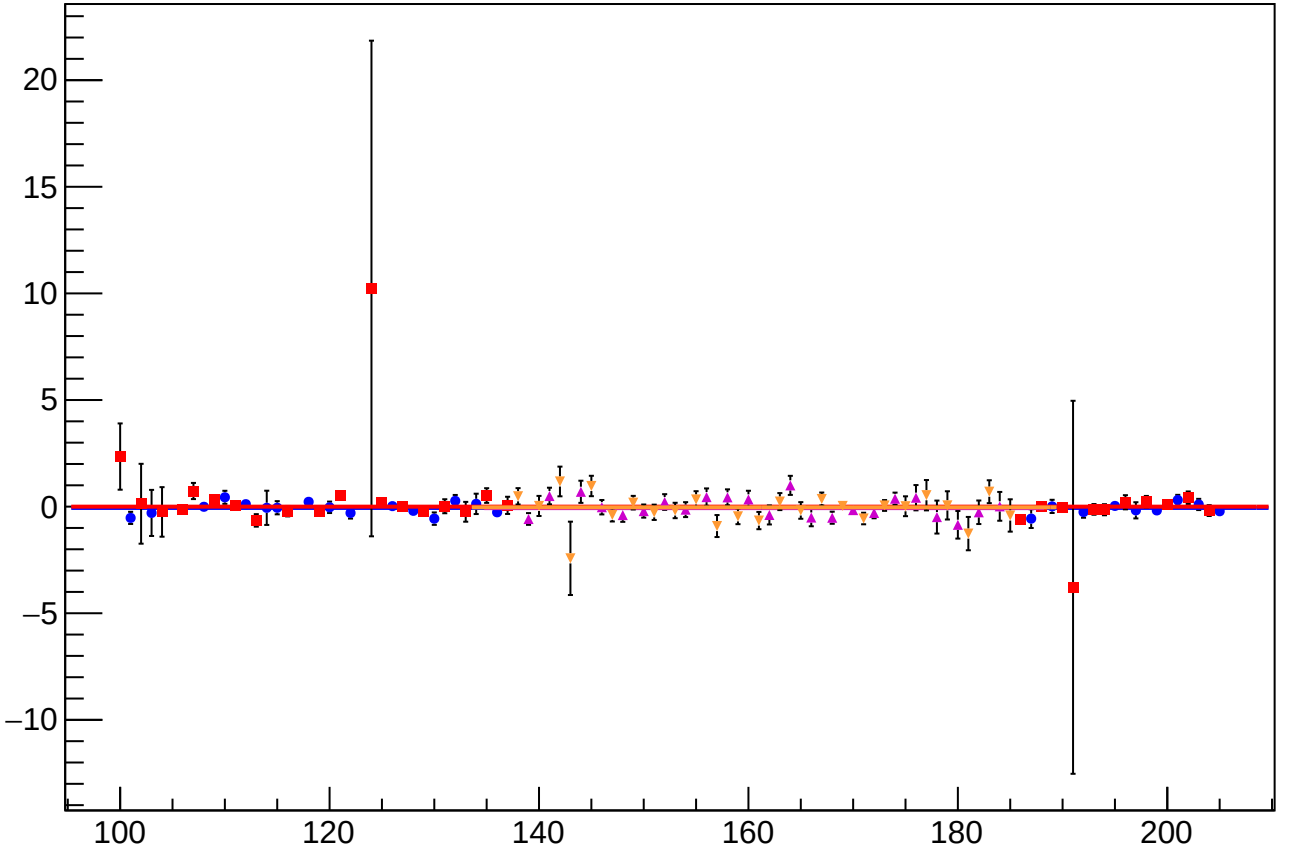
Right: 0.009+/-0.000 χ^2/NDF: 9993375.5/54

In: 0.007+/-0.000 χ^2/NDF:12113041.2/47

Out: 0.007+/-0.000 χ^2/NDF:13685036.9/54

All: 0.007+/-0.000 χ^2/NDF: 25798252.6/102

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

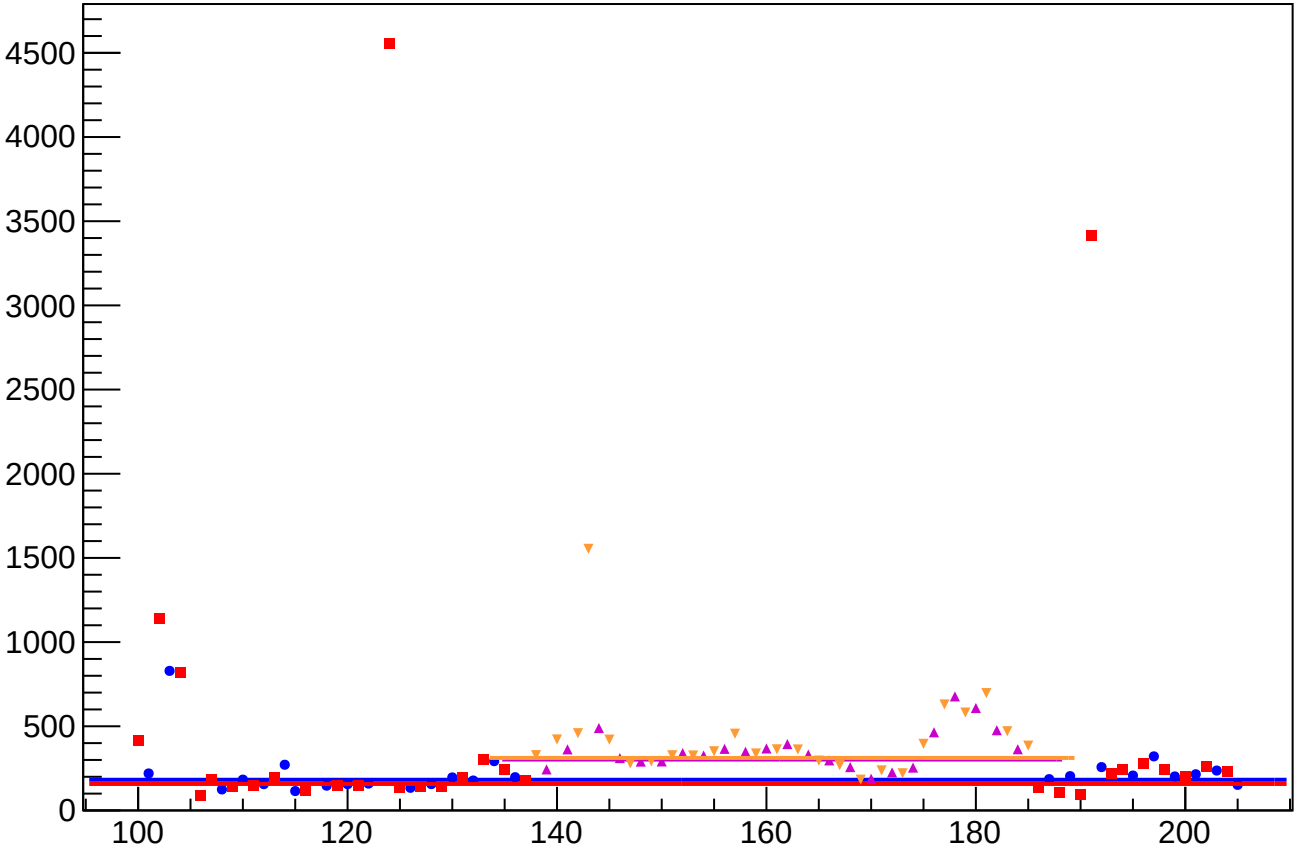
Right: -0.027+/-0.035 χ^2/NDF: 61.3/54

In: -0.064+/-0.043 χ^2/NDF:50.7/47

Out: -0.010+/-0.039 χ^2/NDF:72.5/54

All: -0.034+/-0.029 χ^2/NDF: 124.0/102

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.325+/-0.037 χ^2/NDF: 2051379.3/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 157.387+/-0.032 χ^2/NDF: 4633997.2/29

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

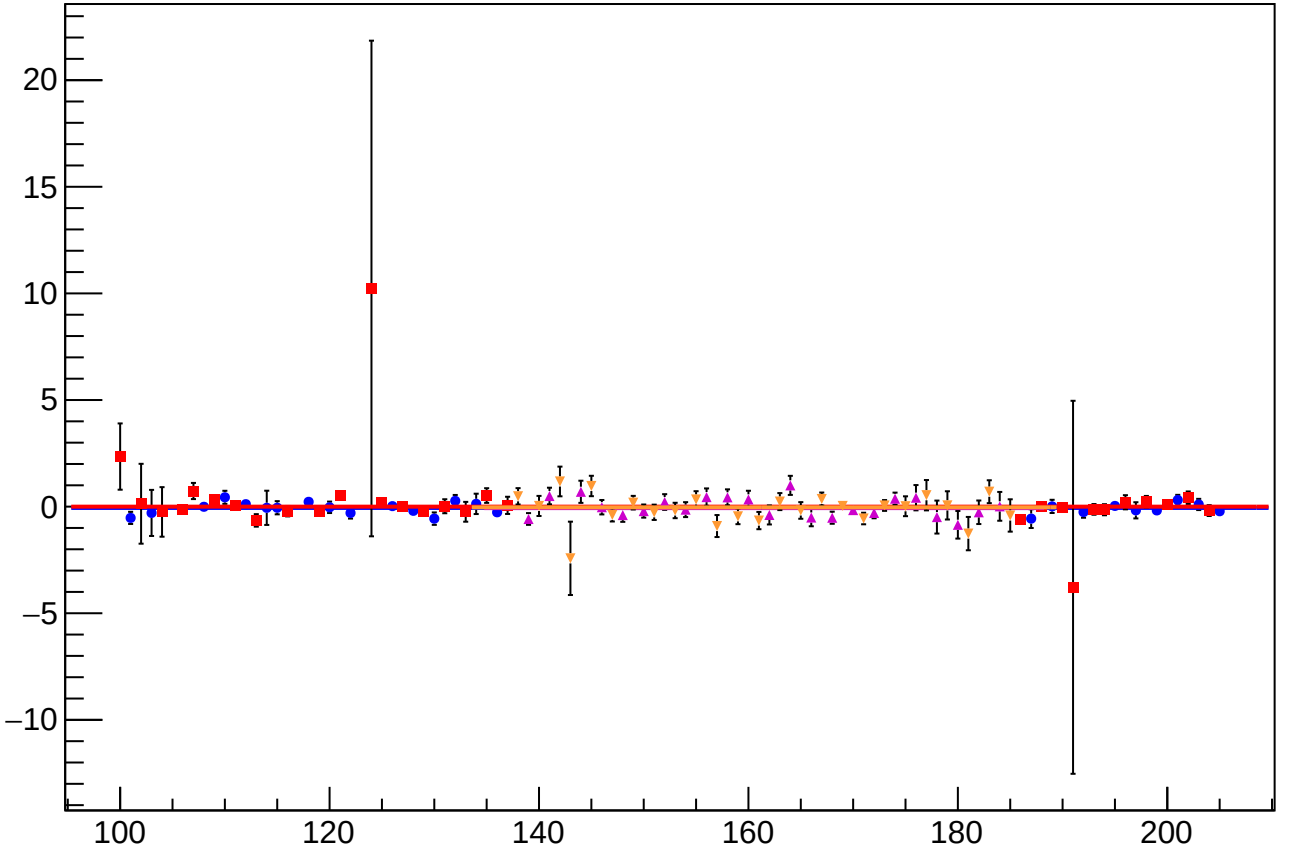
Right: 168.199+/-0.024 χ^2/NDF: 6940968.3/54

In: 221.878+/-0.030 χ^2/NDF:8305872.4/47

Out: 198.210+/-0.028 χ^2/NDF:14966030.6/54

All: 209.016+/-0.021 χ^2/NDF: 23601345.7/10

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

Right Out: -0.001+/-0.046 χ^2/NDF: 39.8/29

Left In: -0.069+/-0.075 χ^2/NDF:29.9/22

Left: -0.052+/-0.054 χ^2/NDF: 62.6/47

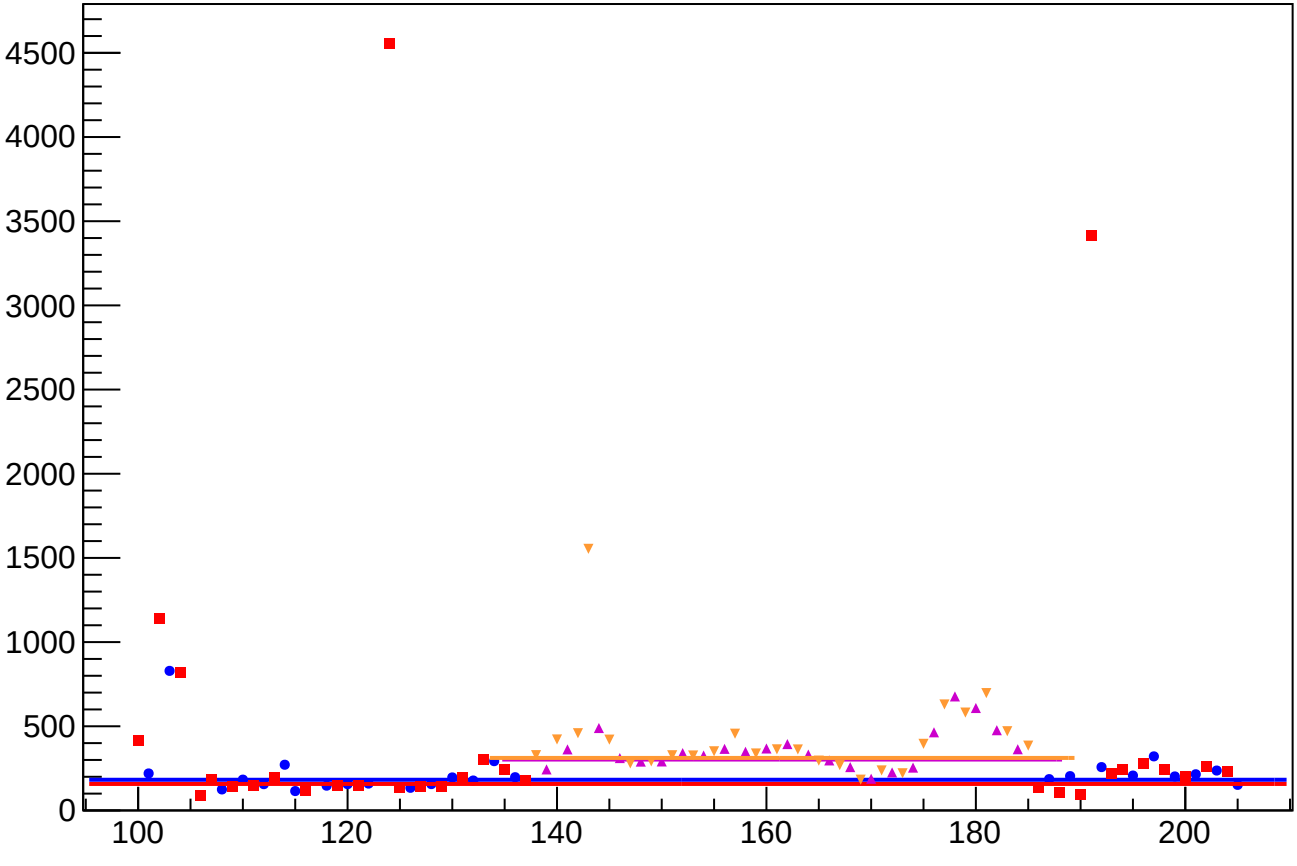
Right: -0.027+/-0.035 χ^2/NDF: 61.3/54

In: -0.064+/-0.043 χ^2/NDF:50.7/47

Out: -0.010+/-0.039 χ^2/NDF:72.5/54

All: -0.034+/-0.029 χ^2/NDF: 124.0/102

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 182.325+/-0.037 χ^2/NDF: 2051379.3/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

Right Out: 157.387+/-0.032 χ^2/NDF: 4633997.2/29

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

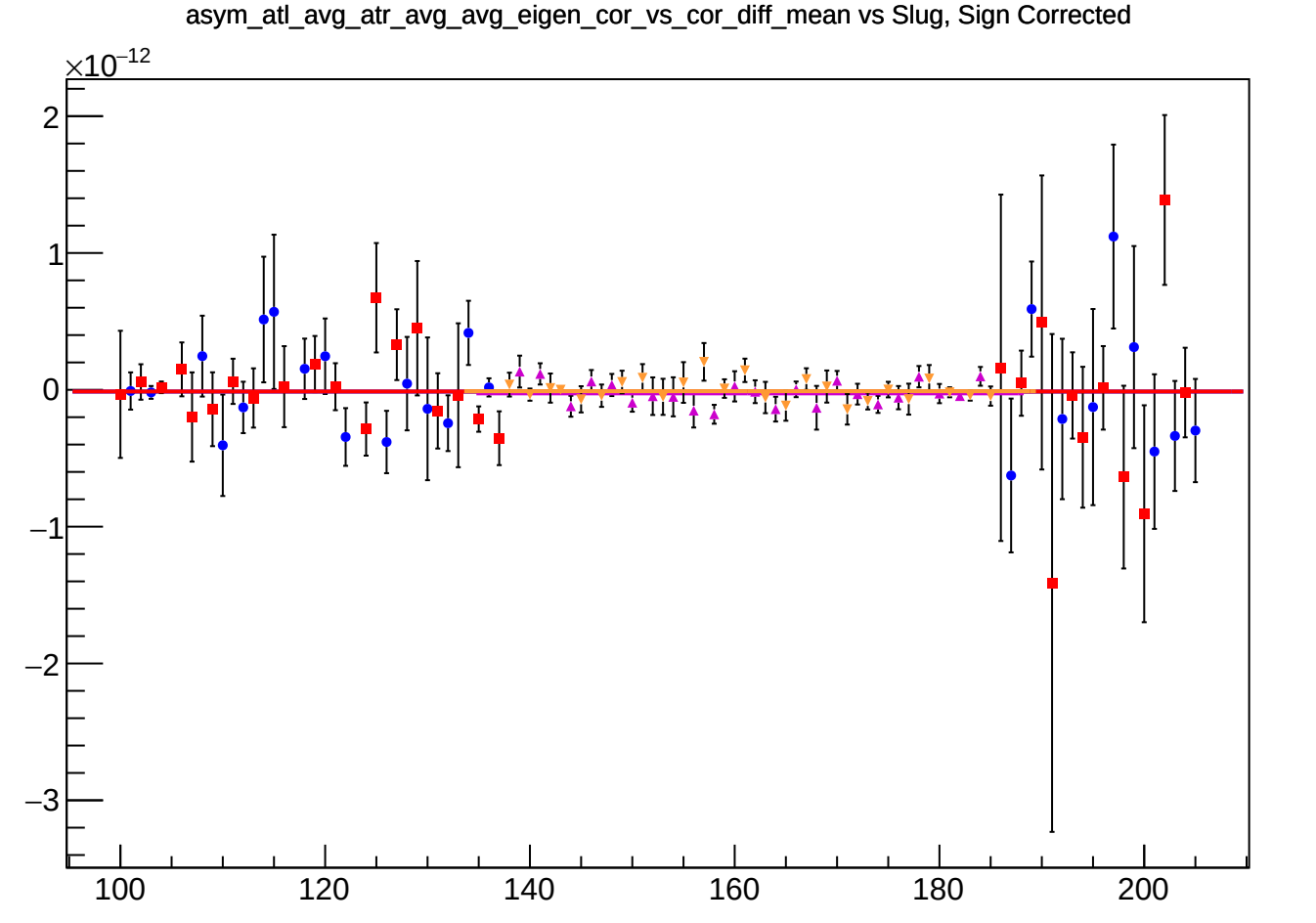
Left: 307.056+/-0.038 χ^2/NDF: 7175242.0/47

Right: 168.199+/-0.024 χ^2/NDF: 6940968.3/54

In: 221.878+/-0.030 χ^2/NDF:8305872.4/47

Out: 198.210+/-0.028 χ^2/NDF:14966030.6/54

All: 209.016+/-0.021 χ^2/NDF: 23601345.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

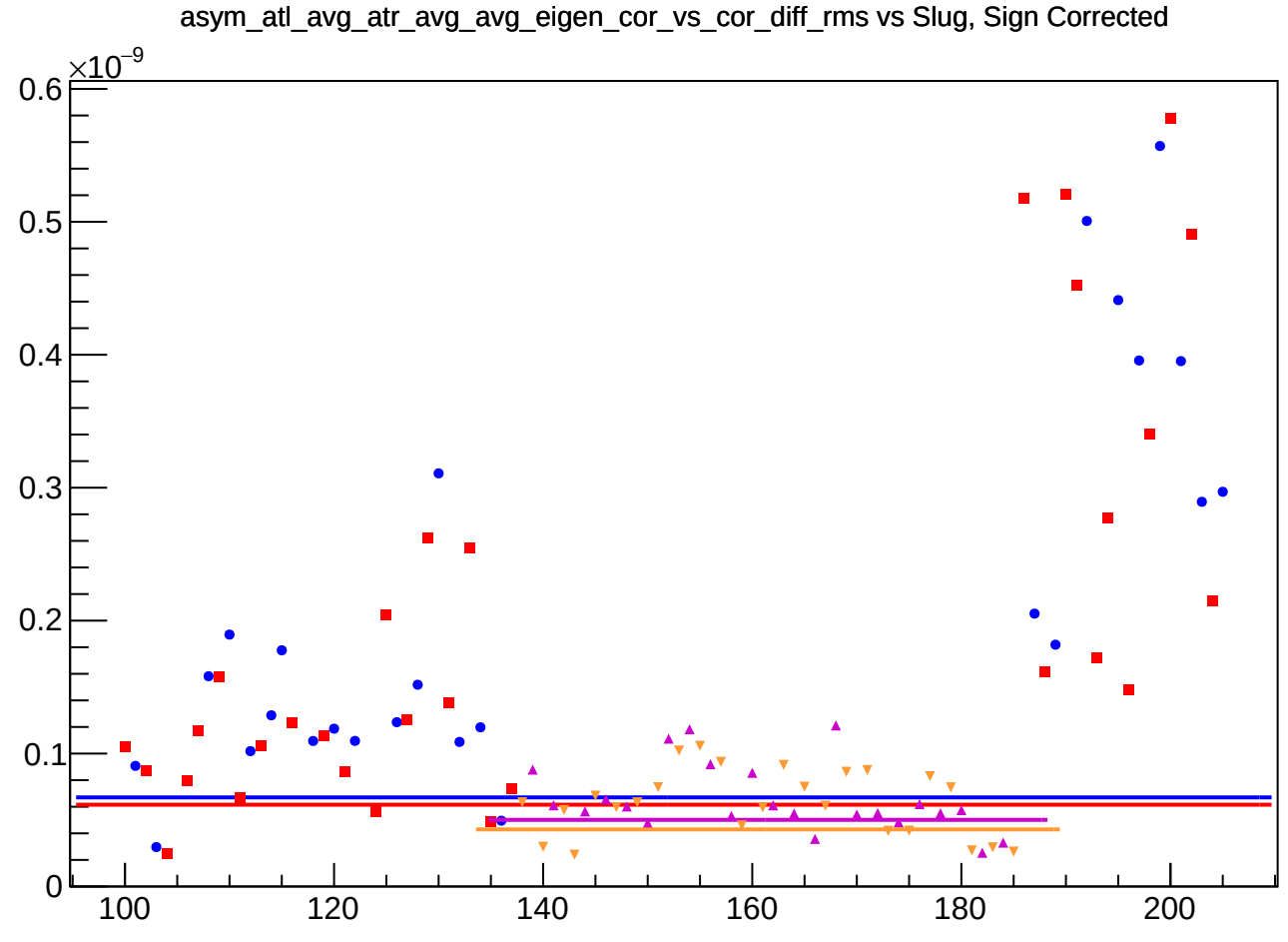
Left: -0.000+/-0.000 χ^2/NDF: 44.4/47

Right: -0.000+/-0.000 χ^2/NDF: 52.8/54

In: -0.000+/-0.000 χ^2/NDF:53.1/47

Out: -0.000+/-0.000 χ^2/NDF:43.6/54

All: -0.000+/-0.000 χ^2/NDF: 97.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 8525368.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7881426.3/29

Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

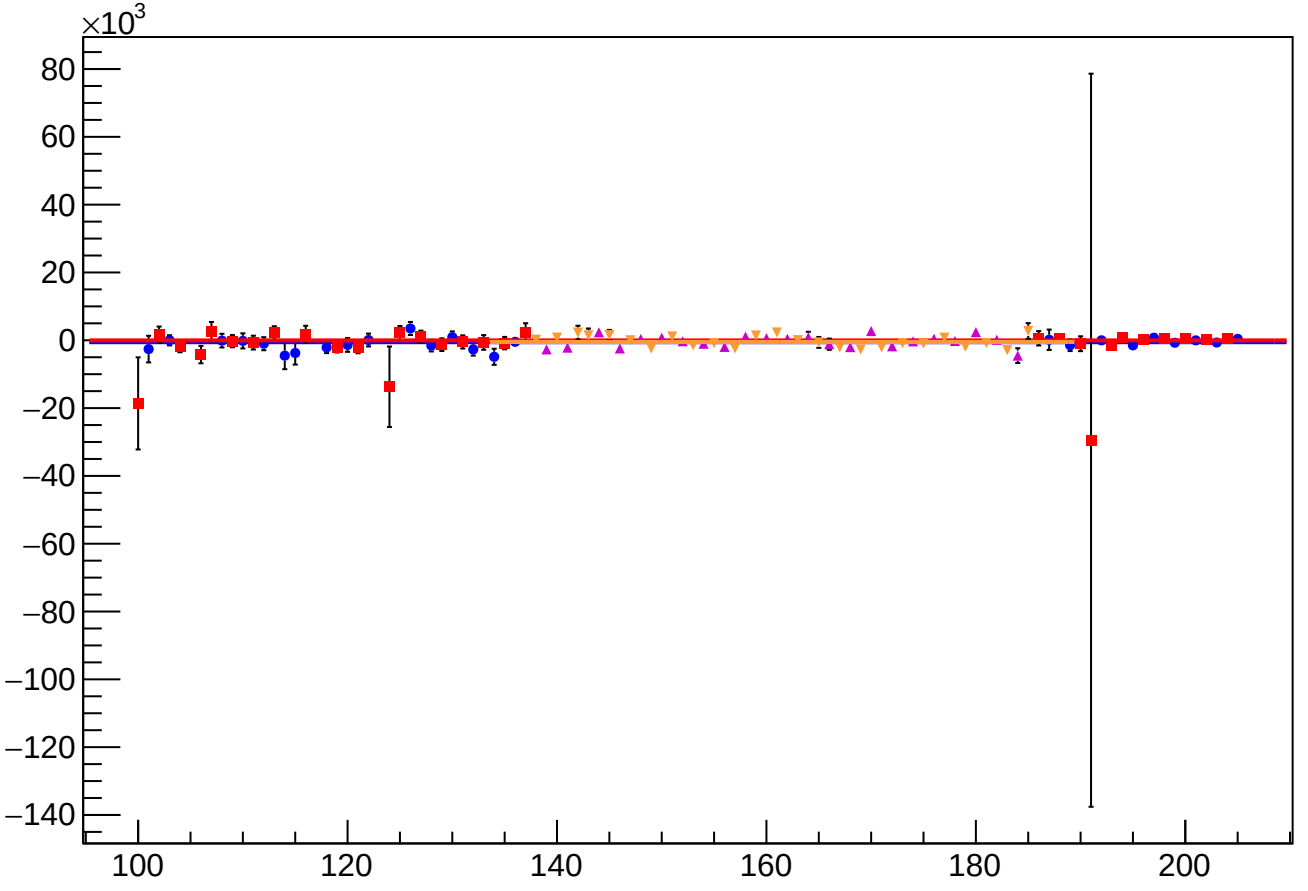
Left: 0.000+/-0.000 χ^2/NDF: 8935509.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16437261.5/54

In: 0.000+/-0.000 χ^2/NDF:12585554.7/47

Out: 0.000+/-0.000 χ^2/NDF:13574614.6/54

All: 0.000+/-0.000 χ^2/NDF: 26467895.6/102



Right In: -567.728+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -28.225+/-335.351 χ^2/NDF: 18.9/29

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

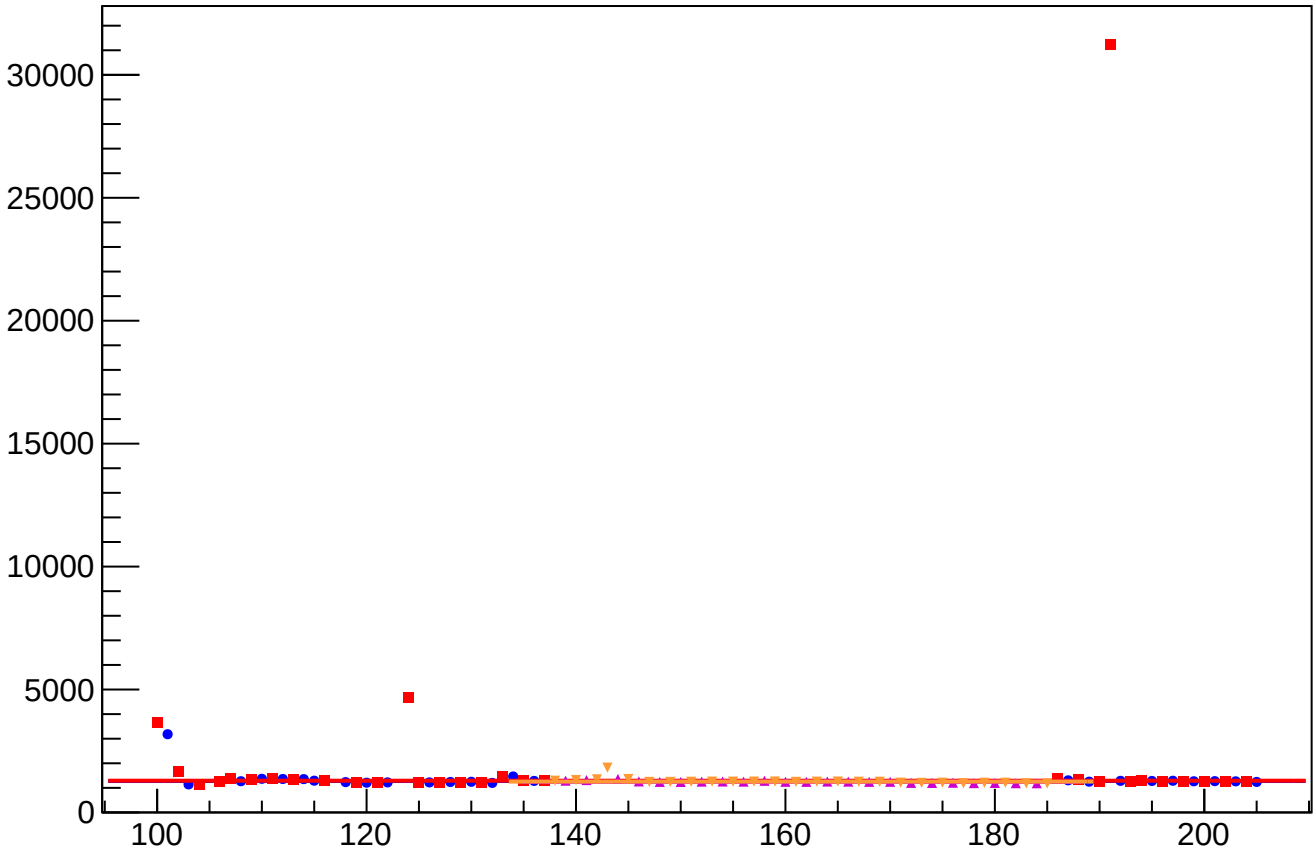
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -291.210+/-240.085 χ^2/NDF: 36.4/54

In: -378.414+/-222.209 χ^2/NDF:48.8/47

Out: -309.780+/-217.585 χ^2/NDF:51.0/54

All: -343.375+/-155.465 χ^2/NDF: 99.8/102



Right In: 1278.563+/-0.243 χ^2/NDF: 521314.4/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1291.146+/-0.237 χ^2/NDF: 492212.3/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

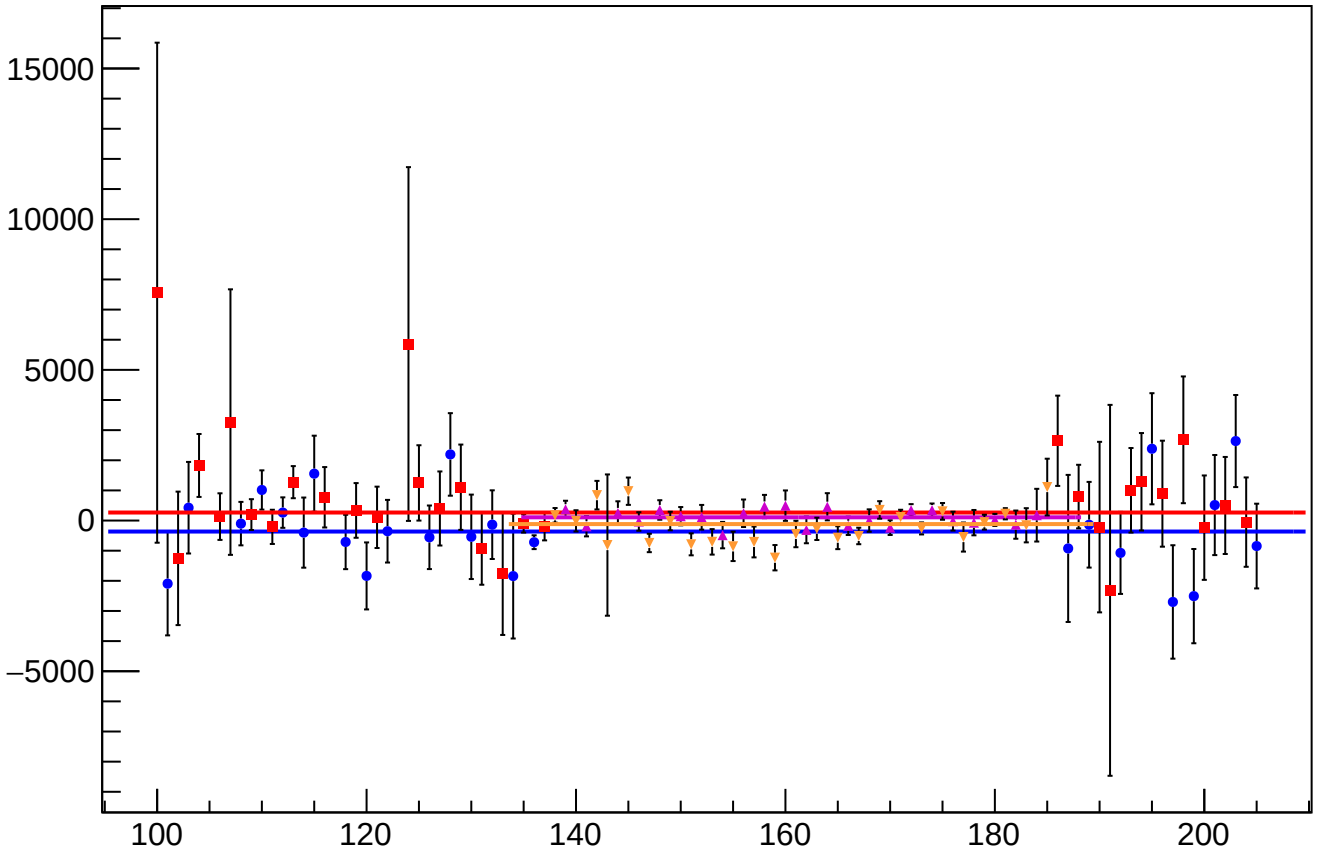
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1285.013+/-0.170 χ^2/NDF: 1014899.2/54

In: 1259.804+/-0.157 χ^2/NDF:571391.0/47

Out: 1270.514+/-0.154 χ^2/NDF:708410.6/54

All: 1265.272+/-0.110 χ^2/NDF: 1282173.5/10



Right In: -364.720+/-160.478 χ^2/NDF: 28.4/24

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 266.533+/-160.363 χ^2/NDF: 20.1/29

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

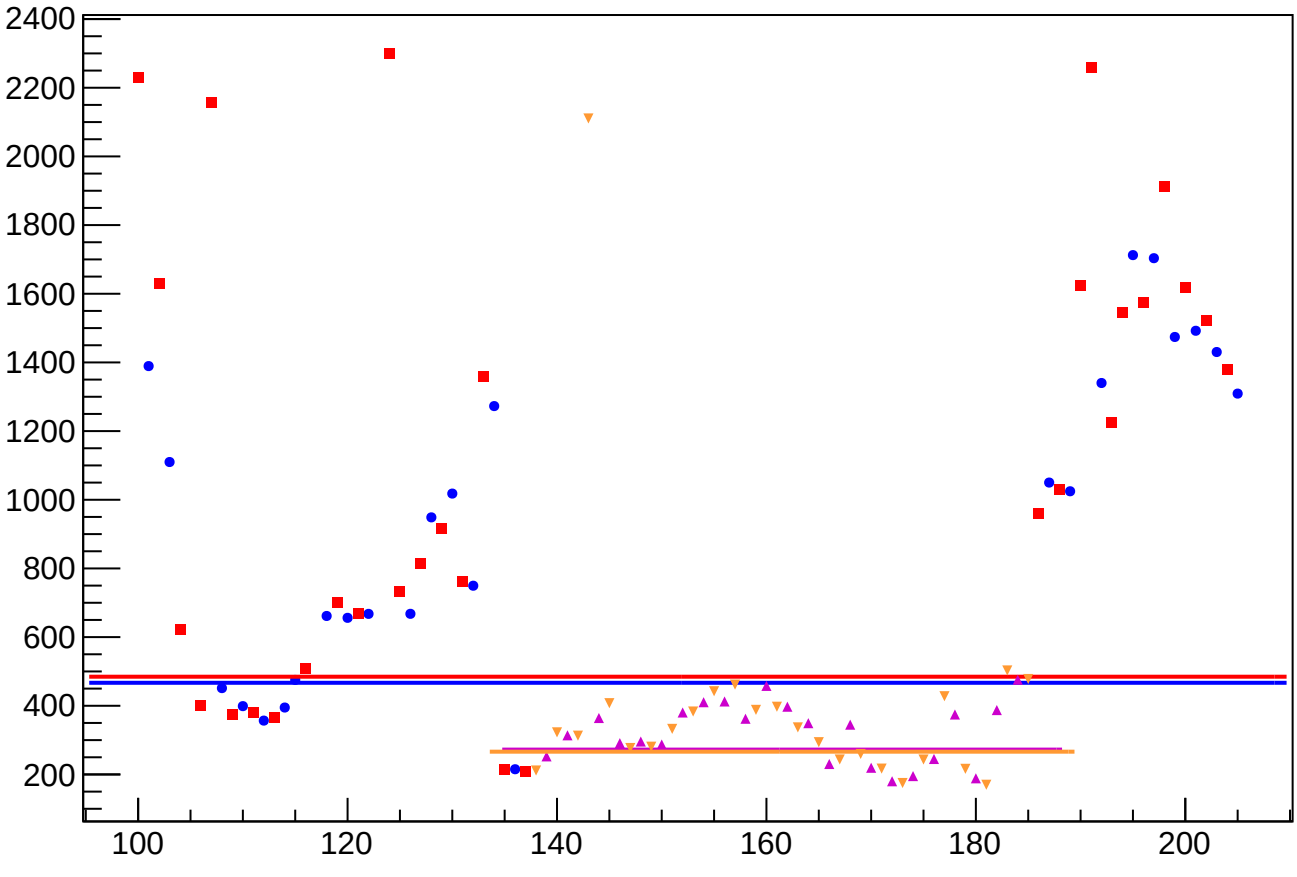
Right: -48.868+/-113.435 χ^2/NDF: 56.3/54

In: 37.269+/-61.828 χ^2/NDF:49.5/47

Out: -62.820+/-60.287 χ^2/NDF:73.5/54

All: -14.039+/-43.164 χ^2/NDF: 124.3/102

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 466.957+/-0.113 χ^2/NDF: 10890119.7/24

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 484.674+/-0.113 χ^2/NDF: 11519998.8/29

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

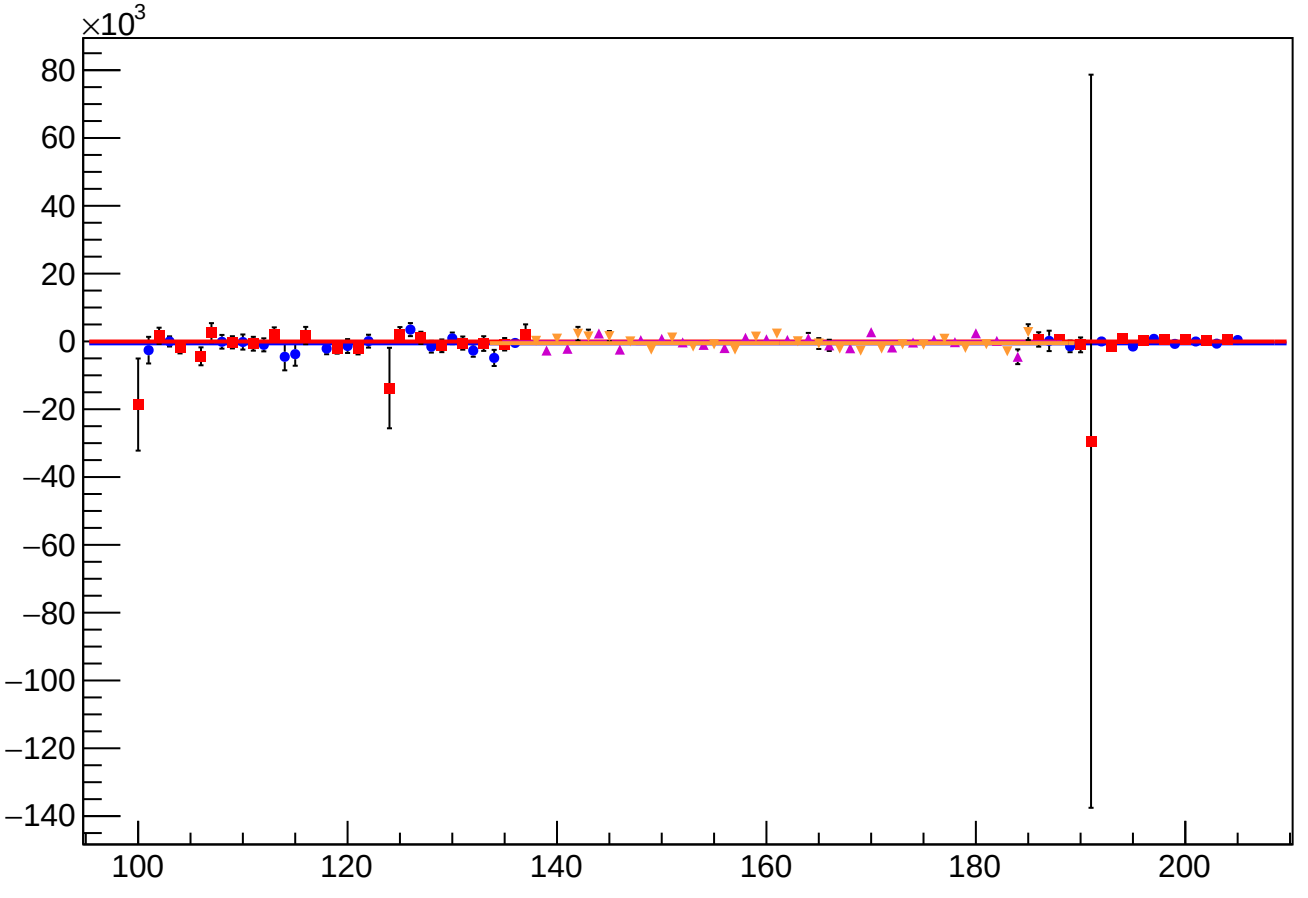
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 475.822+/-0.080 χ^2/NDF: 22422315.2/54

In: 301.252+/-0.044 χ^2/NDF:16282056.1/47

Out: 297.180+/-0.043 χ^2/NDF:19334075.9/54

All: 299.165+/-0.031 χ^2/NDF: 35620579.1/10



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -26.634+/-335.523 χ^2/NDF: 18.9/29

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

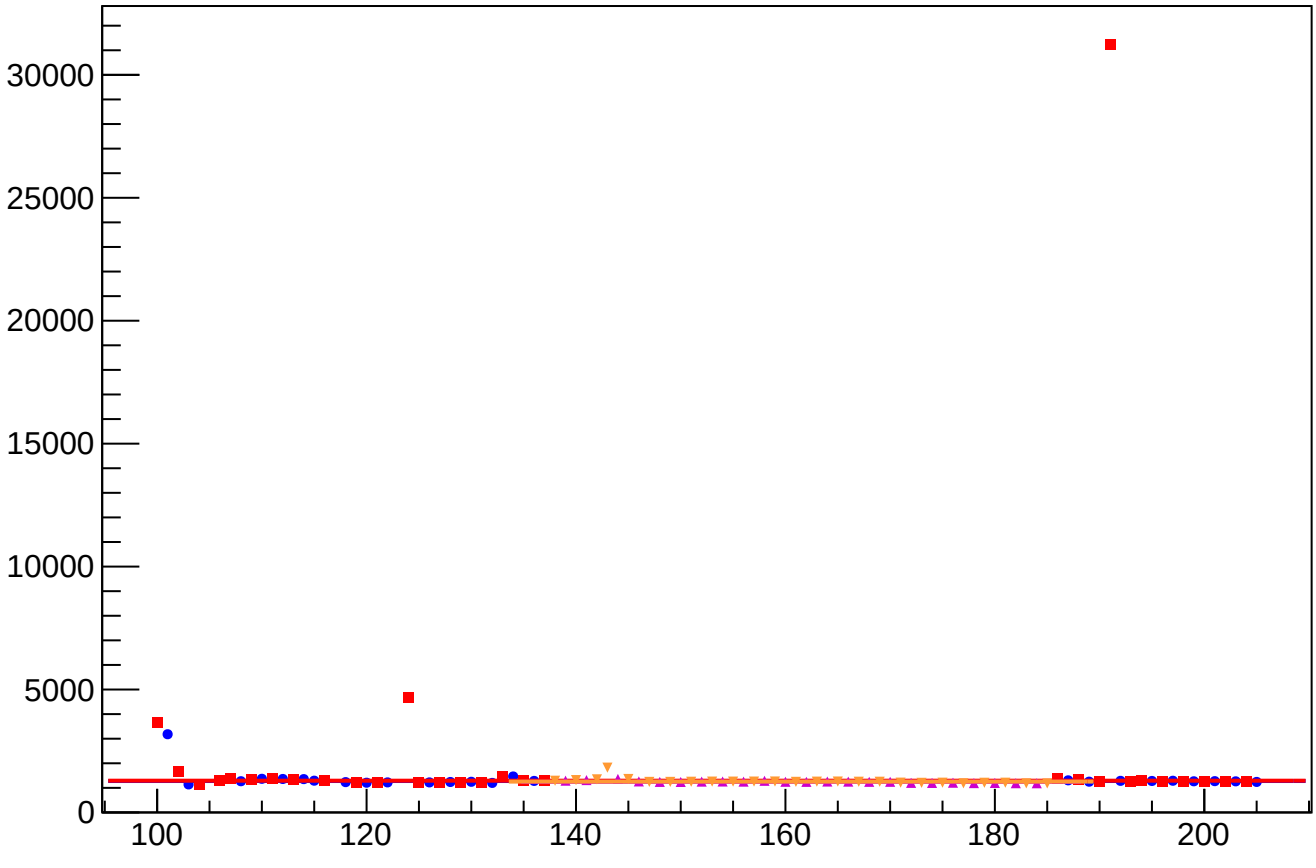
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -290.453+/-240.148 χ^2/NDF: 36.4/54

In: -378.333+/-222.209 χ^2/NDF:48.8/47

Out: -309.200+/-217.632 χ^2/NDF:51.1/54

All: -343.047+/-155.482 χ^2/NDF: 99.9/102



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

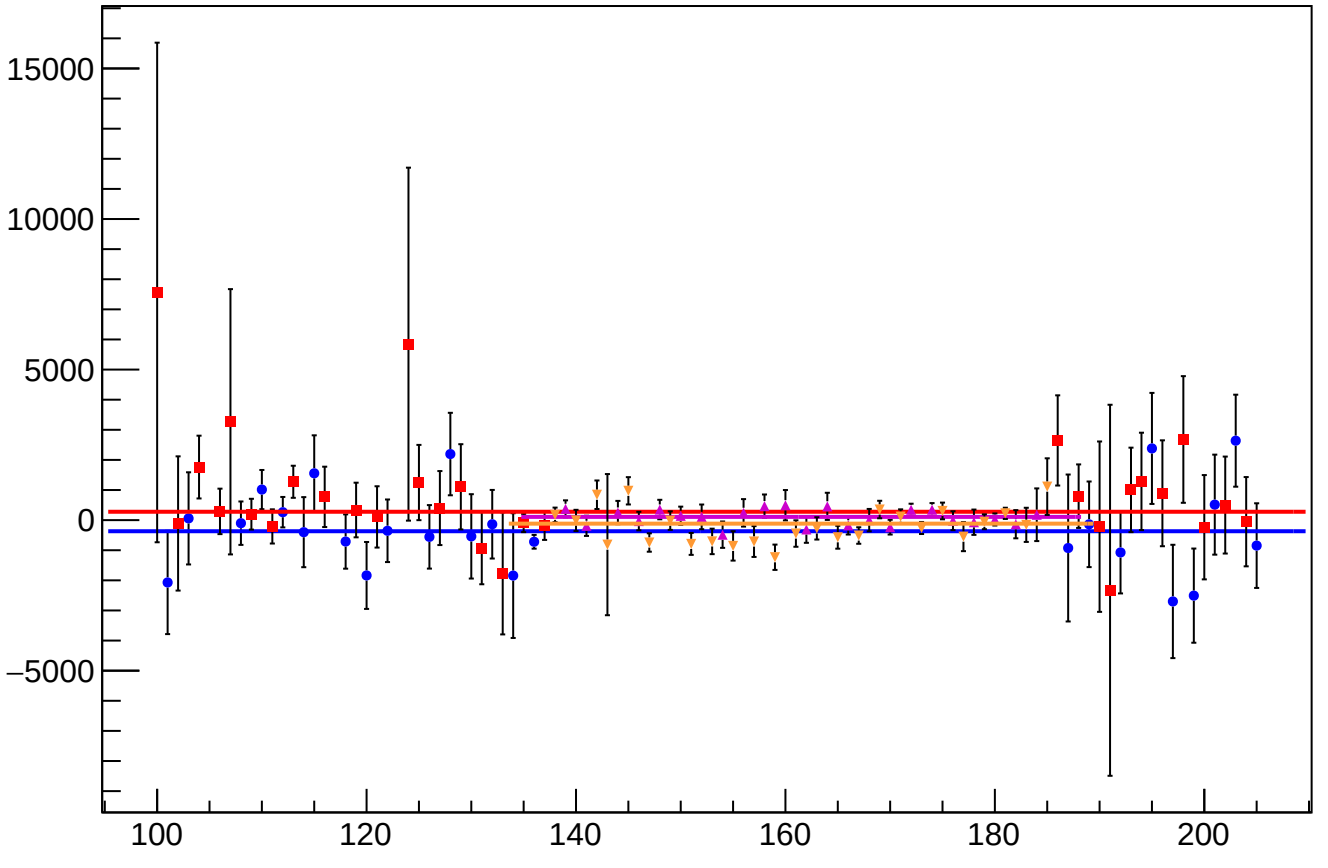
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1285.361+/-0.170 χ^2/NDF: 1014852.1/54

In: 1259.804+/-0.157 χ^2/NDF:571392.3/47

Out: 1270.794+/-0.154 χ^2/NDF:708709.0/54

All: 1265.413+/-0.110 χ^2/NDF: 1282598.3/10



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

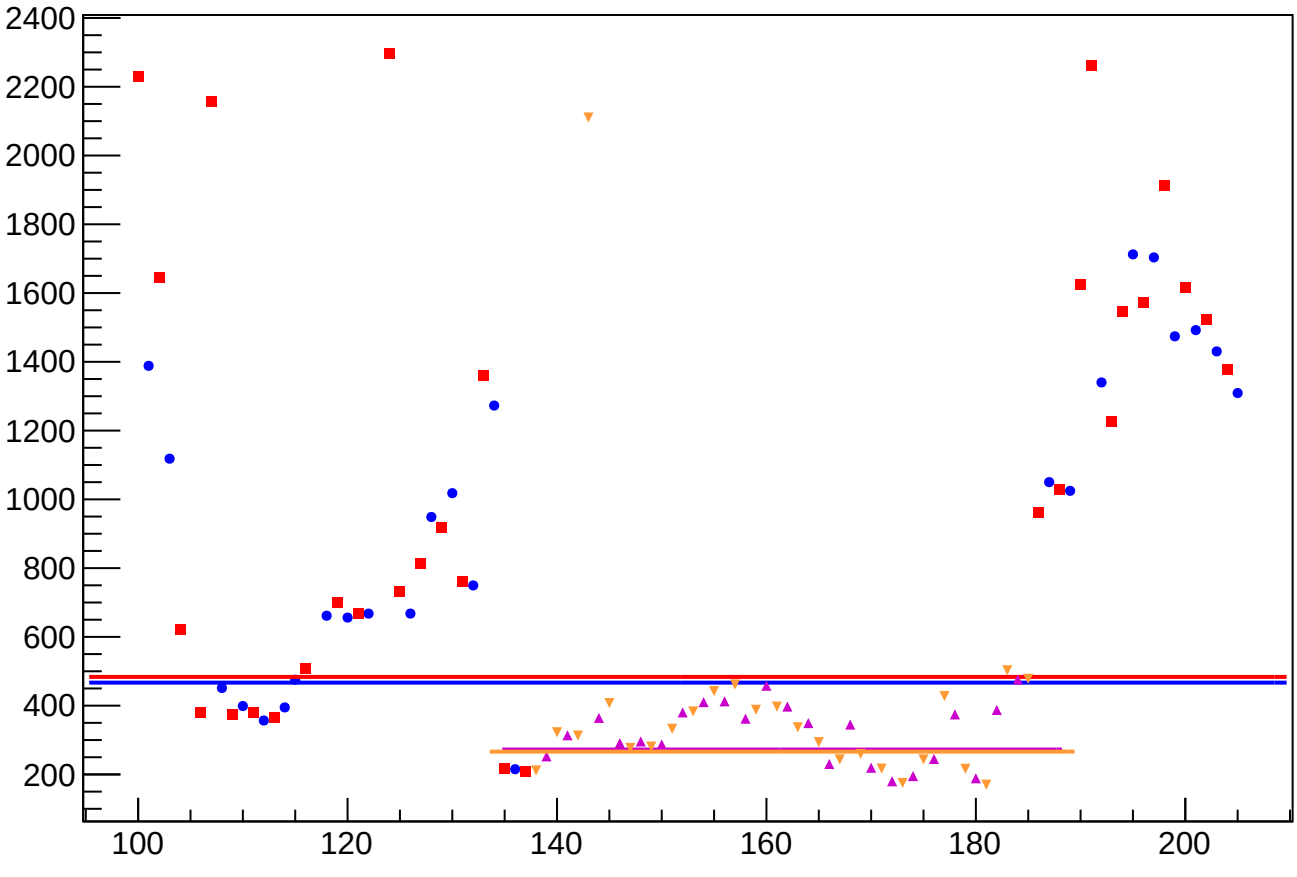
Right: -44.694+/-113.381 χ^2/NDF: 55.8/54

In: 36.778+/-61.831 χ^2/NDF:49.4/47

Out: -61.049+/-60.279 χ^2/NDF:73.1/54

All: -13.379+/-43.162 χ^2/NDF: 123.8/102

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

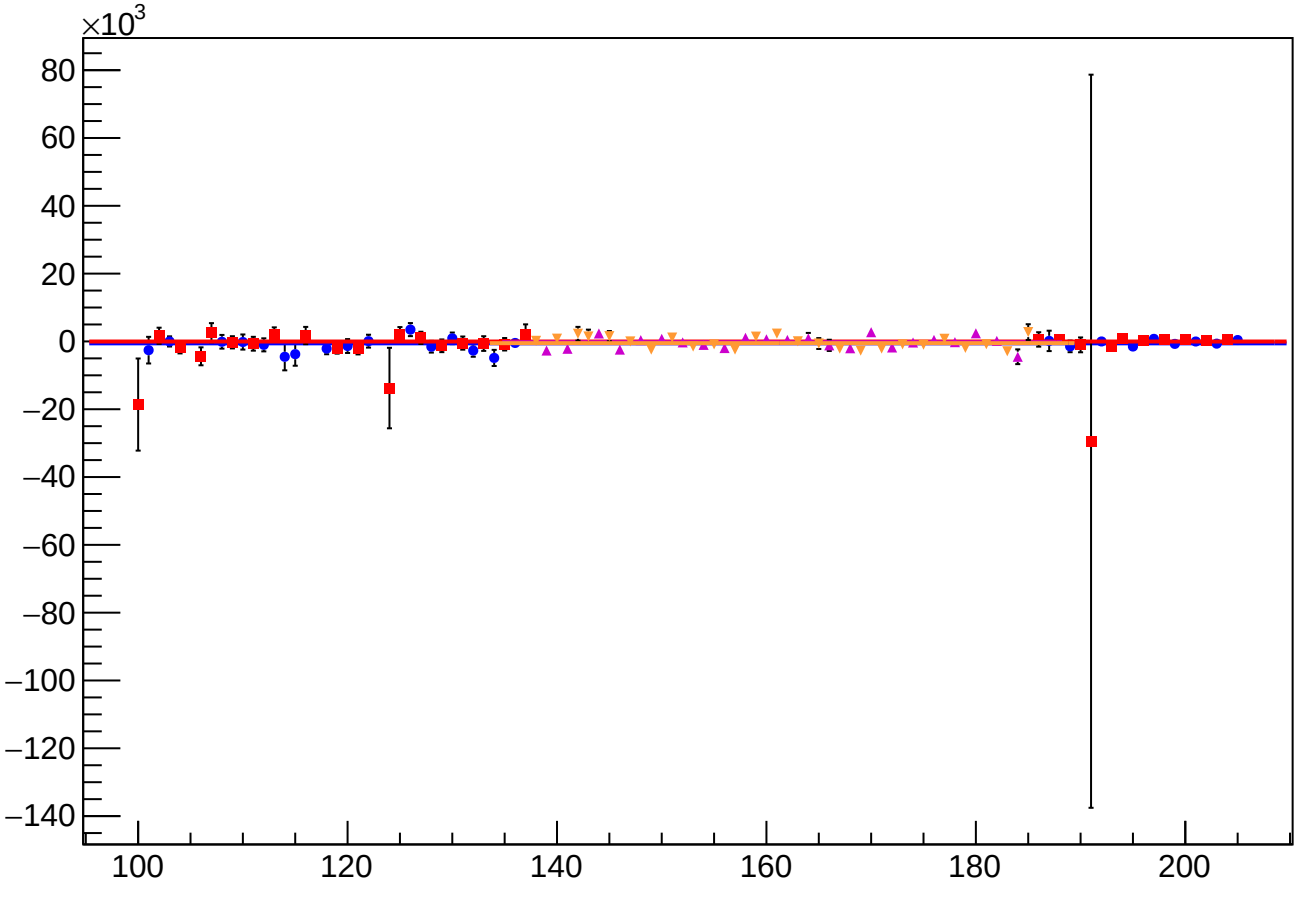
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 475.311+/-0.080 χ^2/NDF: 22444576.3/54

In: 301.258+/-0.044 χ^2/NDF:16284513.9/47

Out: 297.093+/-0.043 χ^2/NDF:19329537.9/54

All: 299.123+/-0.031 χ^2/NDF: 35618706.4/10



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -26.634+/-335.523 χ^2/NDF: 18.9/29

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

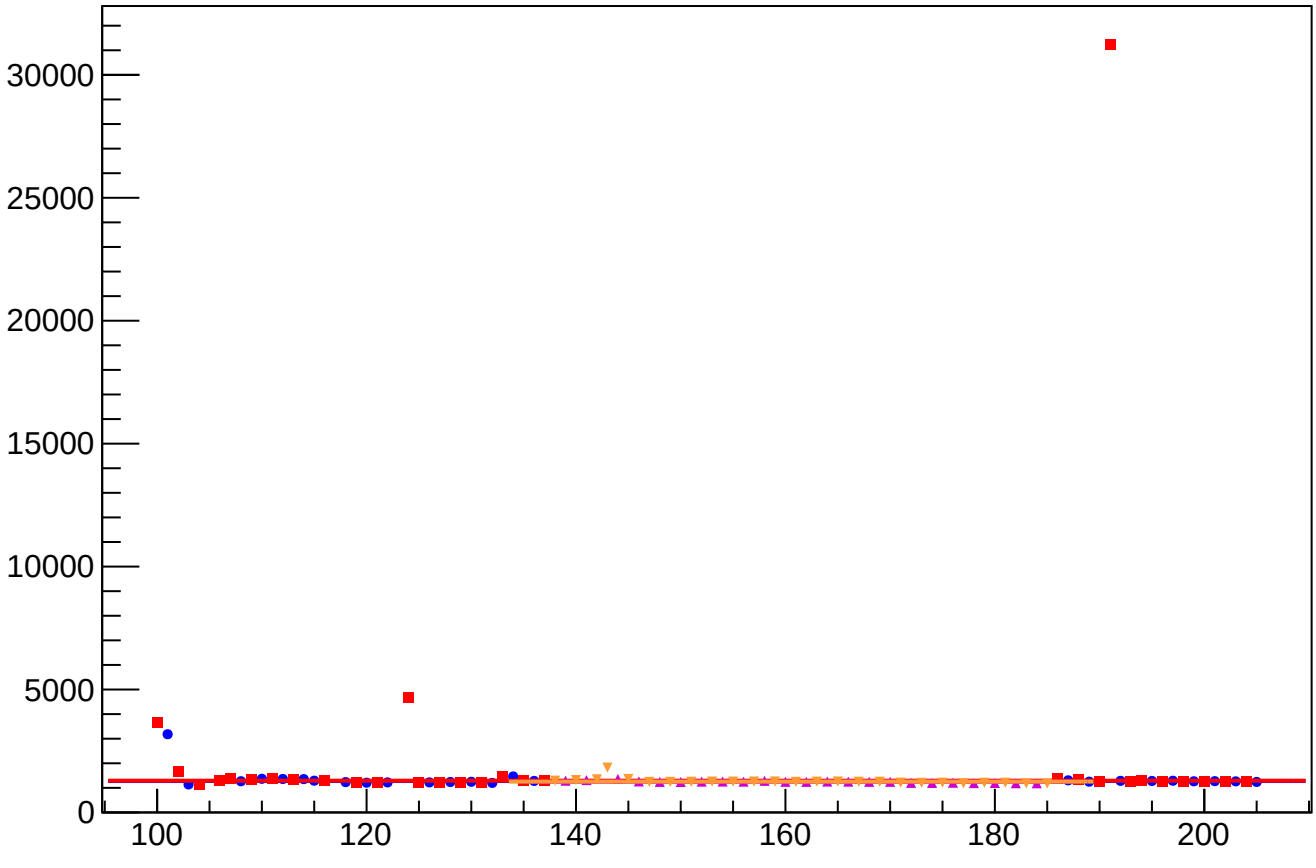
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -290.453+/-240.148 χ^2/NDF: 36.4/54

In: -378.333+/-222.209 χ^2/NDF:48.8/47

Out: -309.200+/-217.632 χ^2/NDF:51.1/54

All: -343.047+/-155.482 χ^2/NDF: 99.9/102



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

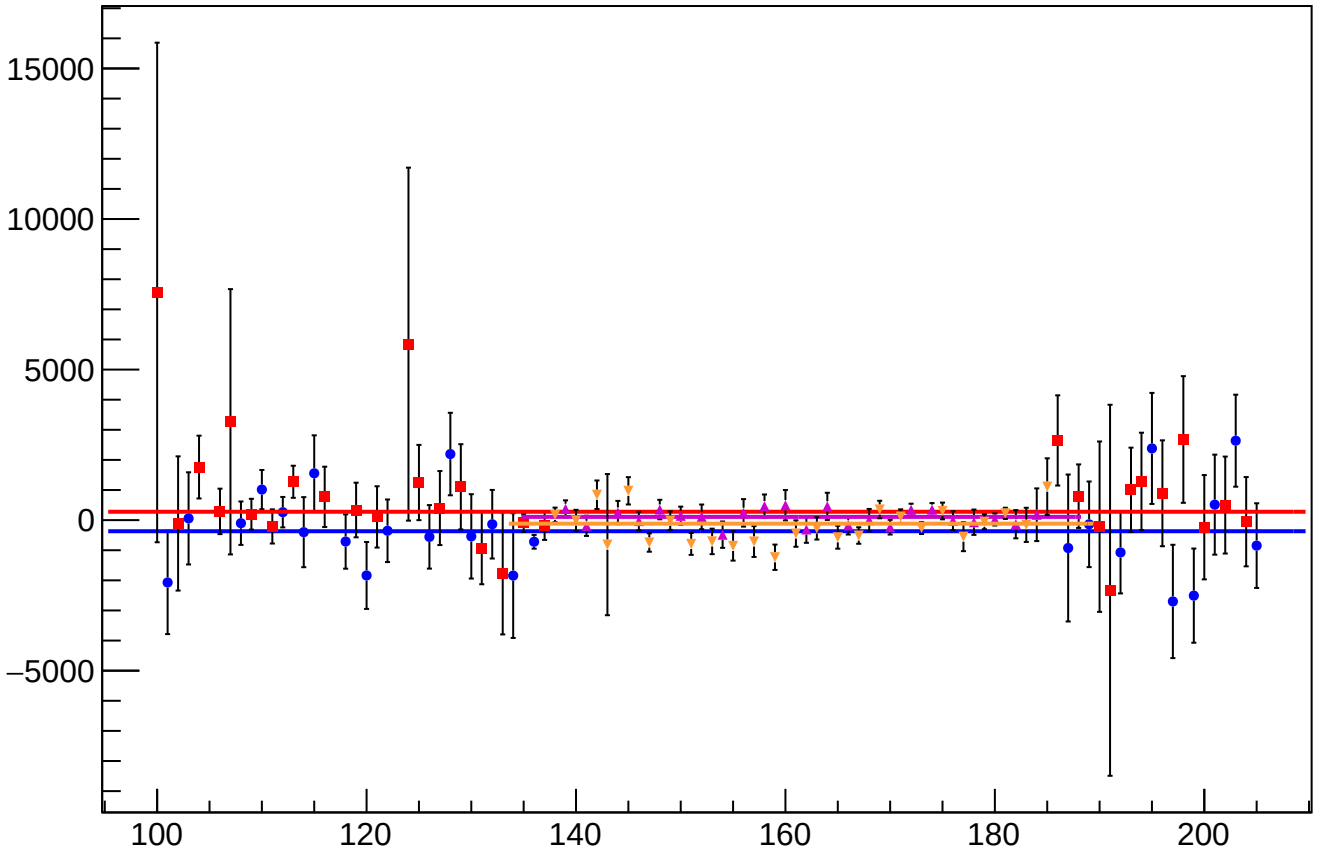
Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

Right: 1285.361+/-0.170 χ^2/NDF: 1014852.1/54

In: 1259.804+/-0.157 χ^2/NDF:571392.3/47

Out: 1270.794+/-0.154 χ^2/NDF:708709.0/54

All: 1265.413+/-0.110 χ^2/NDF: 1282598.3/10



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

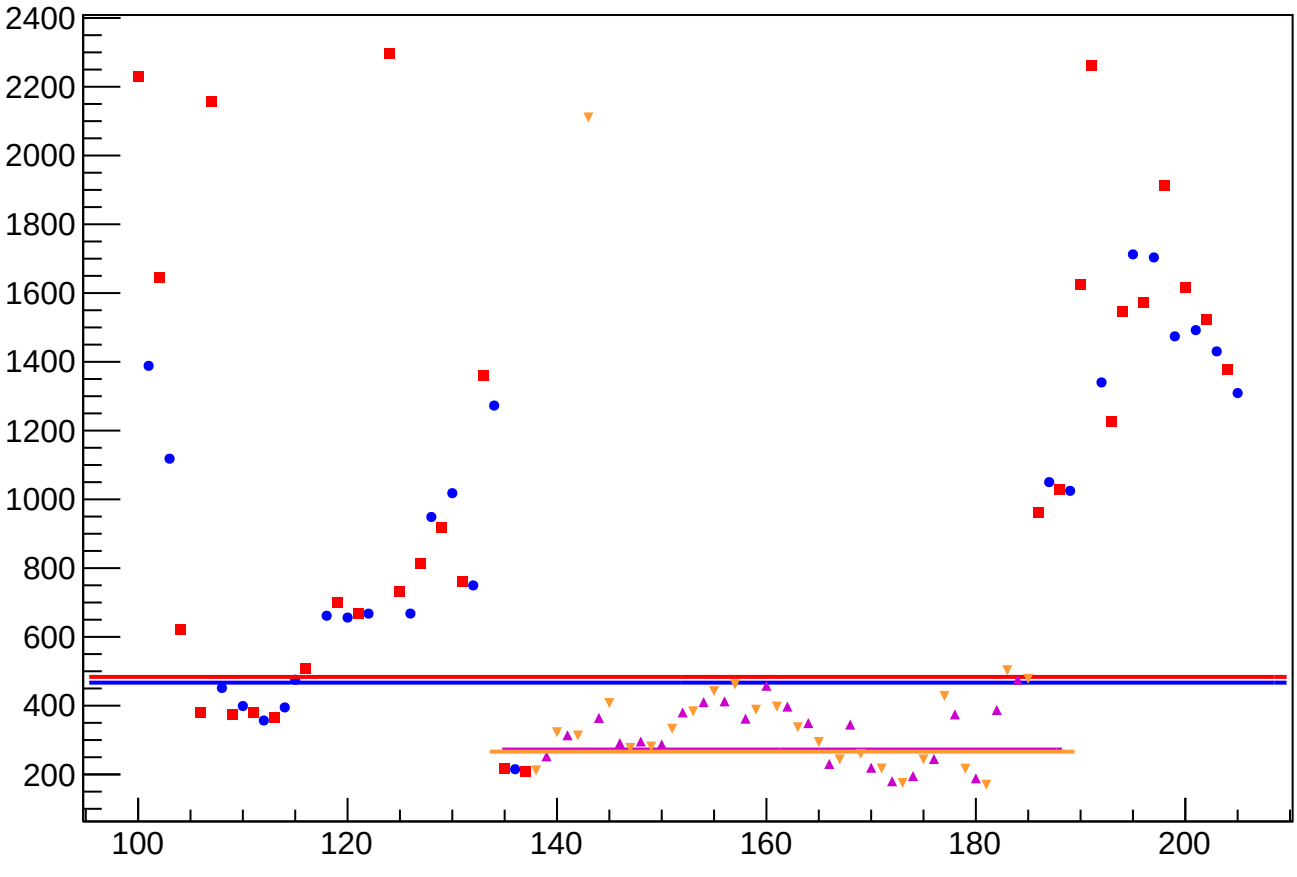
Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

Right: -44.694+/-113.381 χ^2/NDF: 55.8/54

In: 36.778+/-61.831 χ^2/NDF:49.4/47

Out: -61.049+/-60.279 χ^2/NDF:73.1/54

All: -13.379+/-43.162 χ^2/NDF: 123.8/102



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

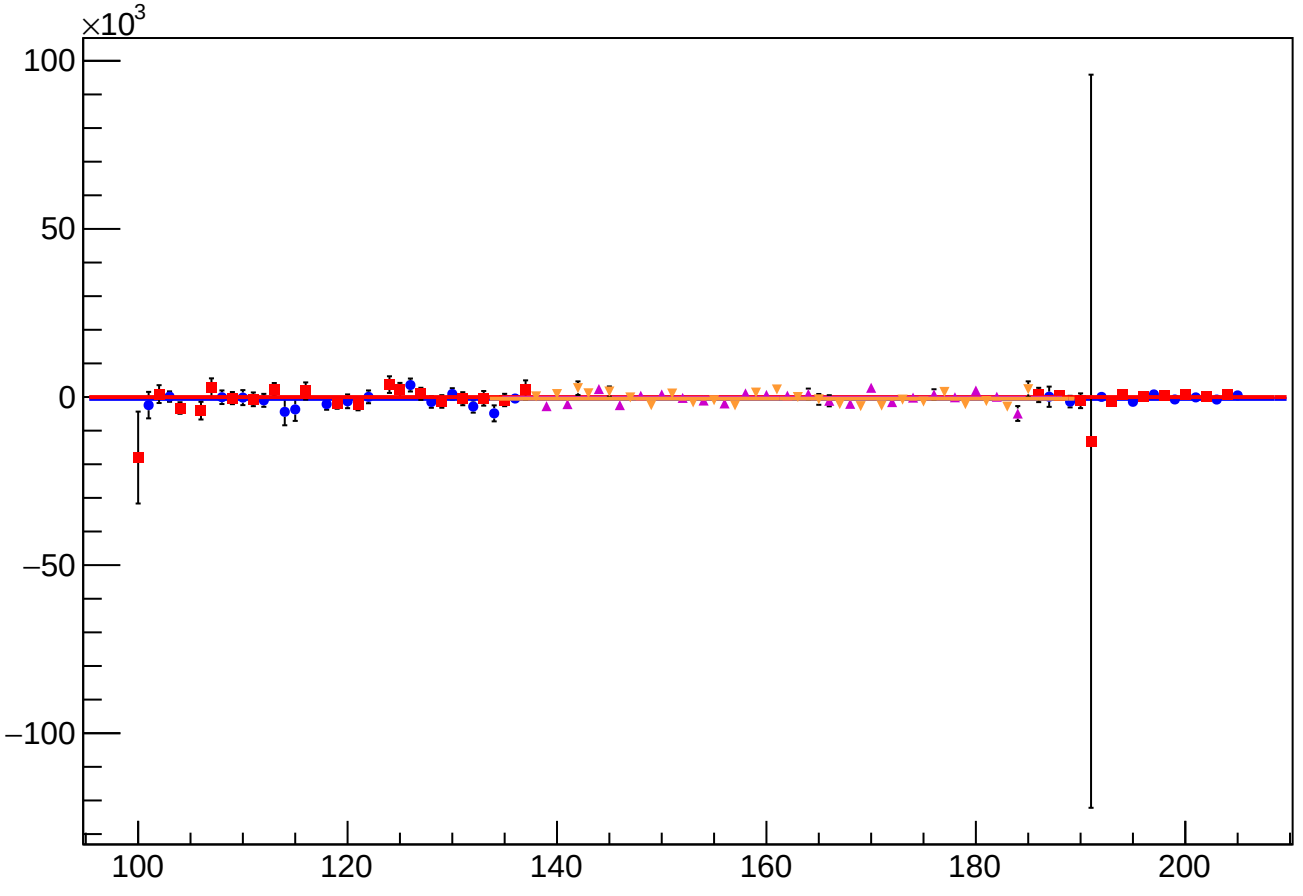
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 475.311+/-0.080 χ^2/NDF: 22444576.3/54

In: 301.258+/-0.044 χ^2/NDF:16284513.9/47

Out: 297.093+/-0.043 χ^2/NDF:19329537.9/54

All: 299.123+/-0.031 χ^2/NDF: 35618706.4/10



Right In: -549.440+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -19.491+/-334.631 χ^2/NDF: 20.7/29

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

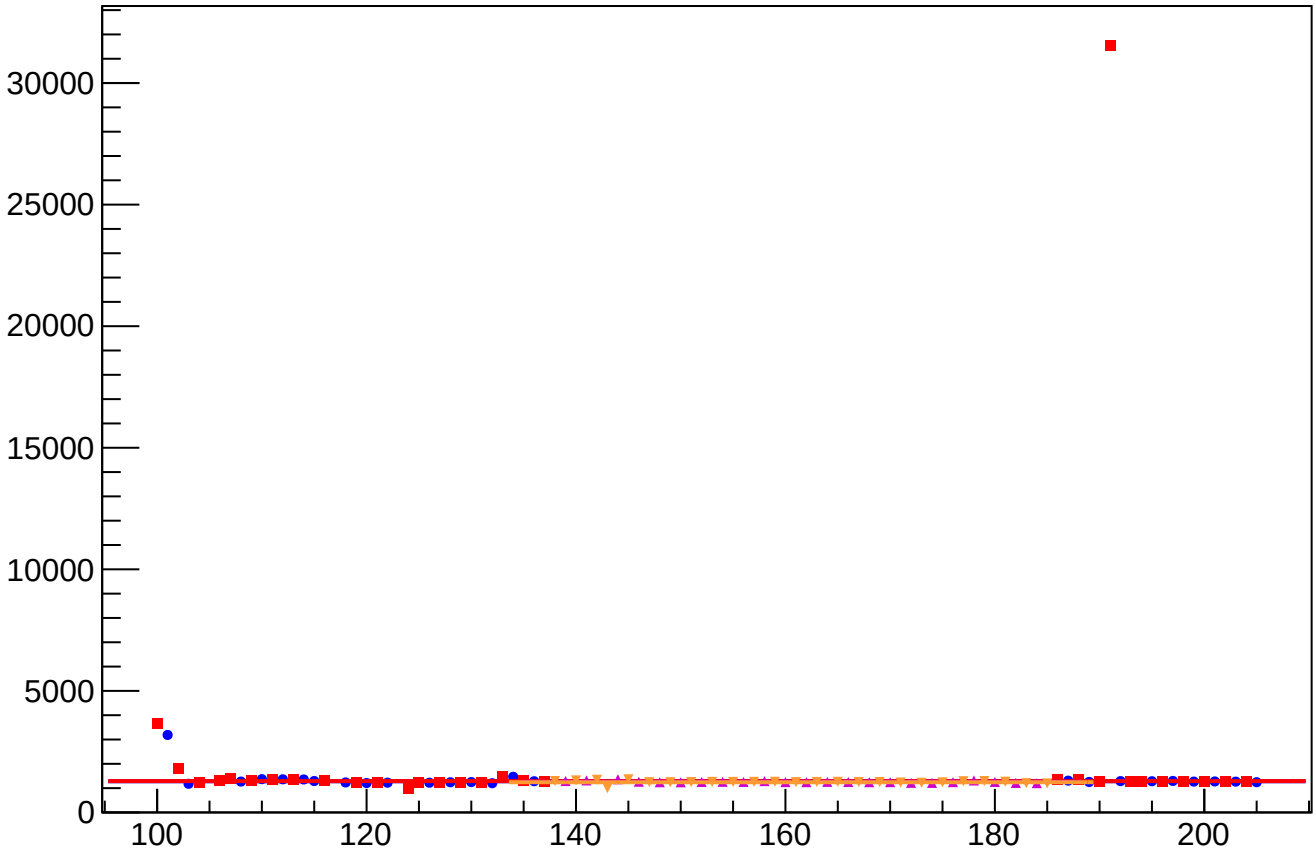
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -276.365+/-240.209 χ^2/NDF: 38.2/54

In: -371.504+/-223.925 χ^2/NDF:47.4/47

Out: -296.025+/-215.967 χ^2/NDF:56.1/54

All: -332.399+/-155.449 χ^2/NDF: 103.6/102



Right In: 1282.958+/-0.244 χ^2/NDF: 513246.0/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.5/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

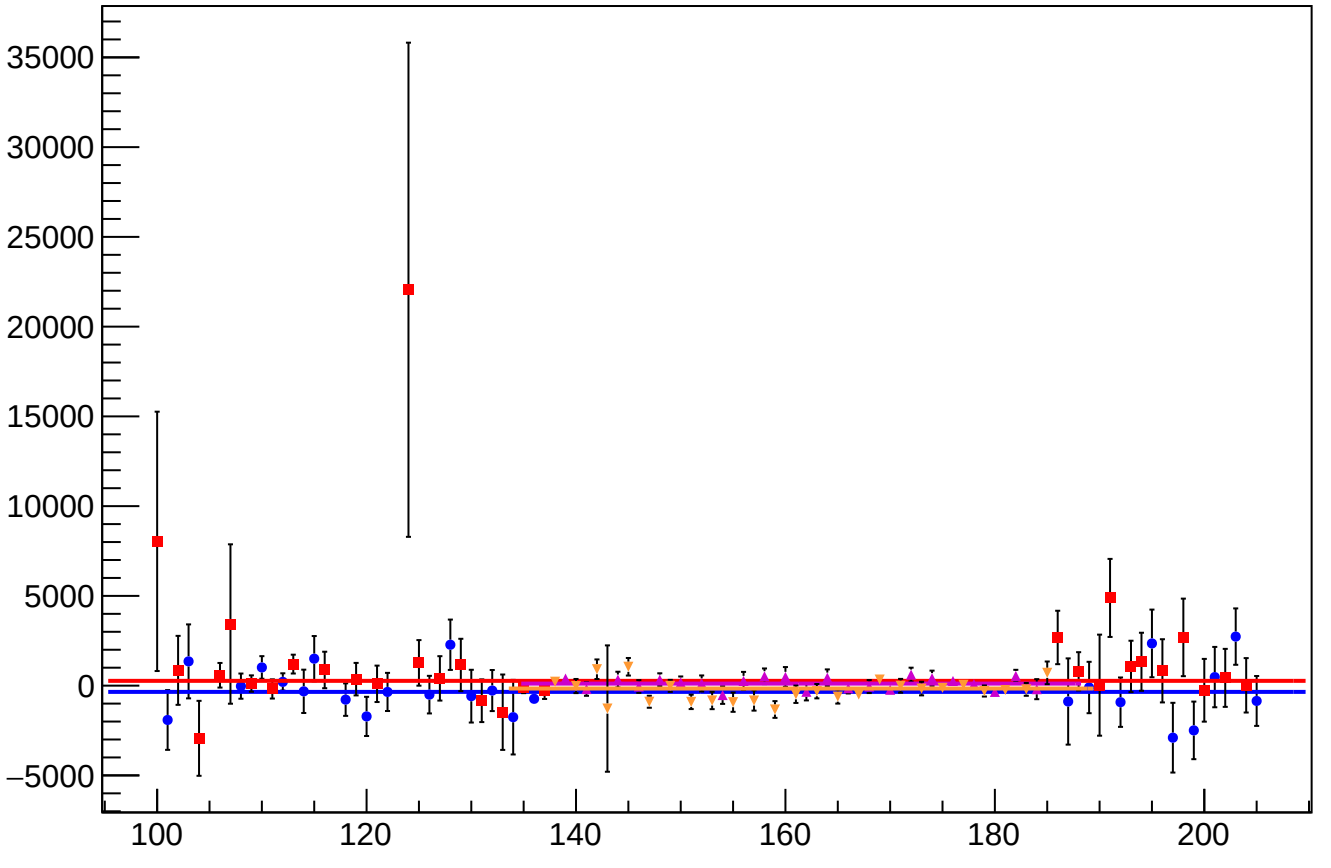
Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

Right: 1285.888+/-0.170 χ^2/NDF: 887128.4/54

In: 1269.725+/-0.158 χ^2/NDF:546261.7/47

Out: 1261.743+/-0.153 χ^2/NDF:525777.8/54

All: 1265.590+/-0.110 χ^2/NDF: 1073355.9/10



Right In: -347.914+/-162.186 χ^2/NDF: 28.5/24

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 267.014+/-160.204 χ^2/NDF: 25.9/29

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

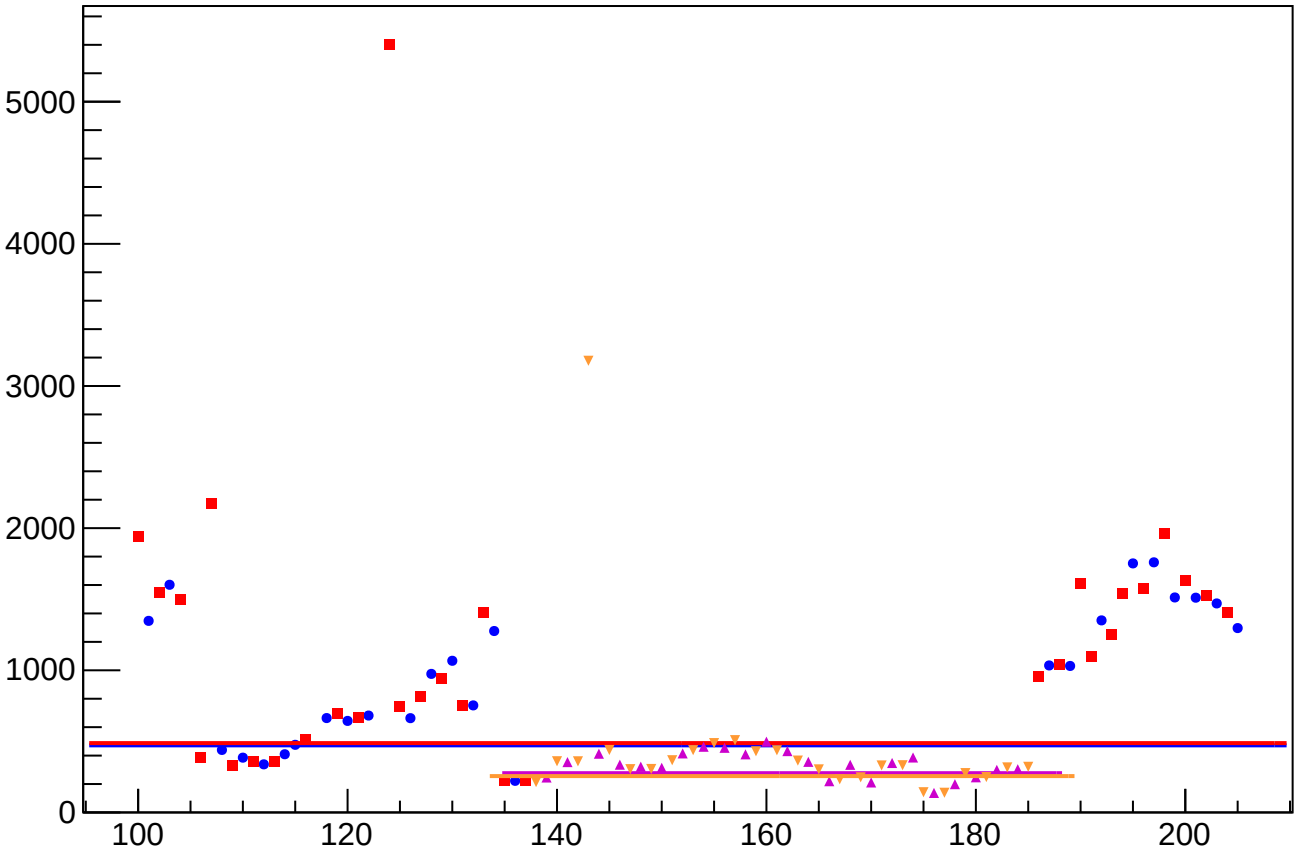
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -36.668+/-113.976 χ^2/NDF: 61.6/54

In: 43.249+/-63.369 χ^2/NDF:53.5/47

Out: -101.821+/-59.539 χ^2/NDF:75.8/54

All: -33.802+/-43.391 χ^2/NDF: 132.1/102



Right In: 472.069+/-0.115 χ^2/NDF: 11037924.1/24

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 487.908+/-0.113 χ^2/NDF: 12055652.5/29

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

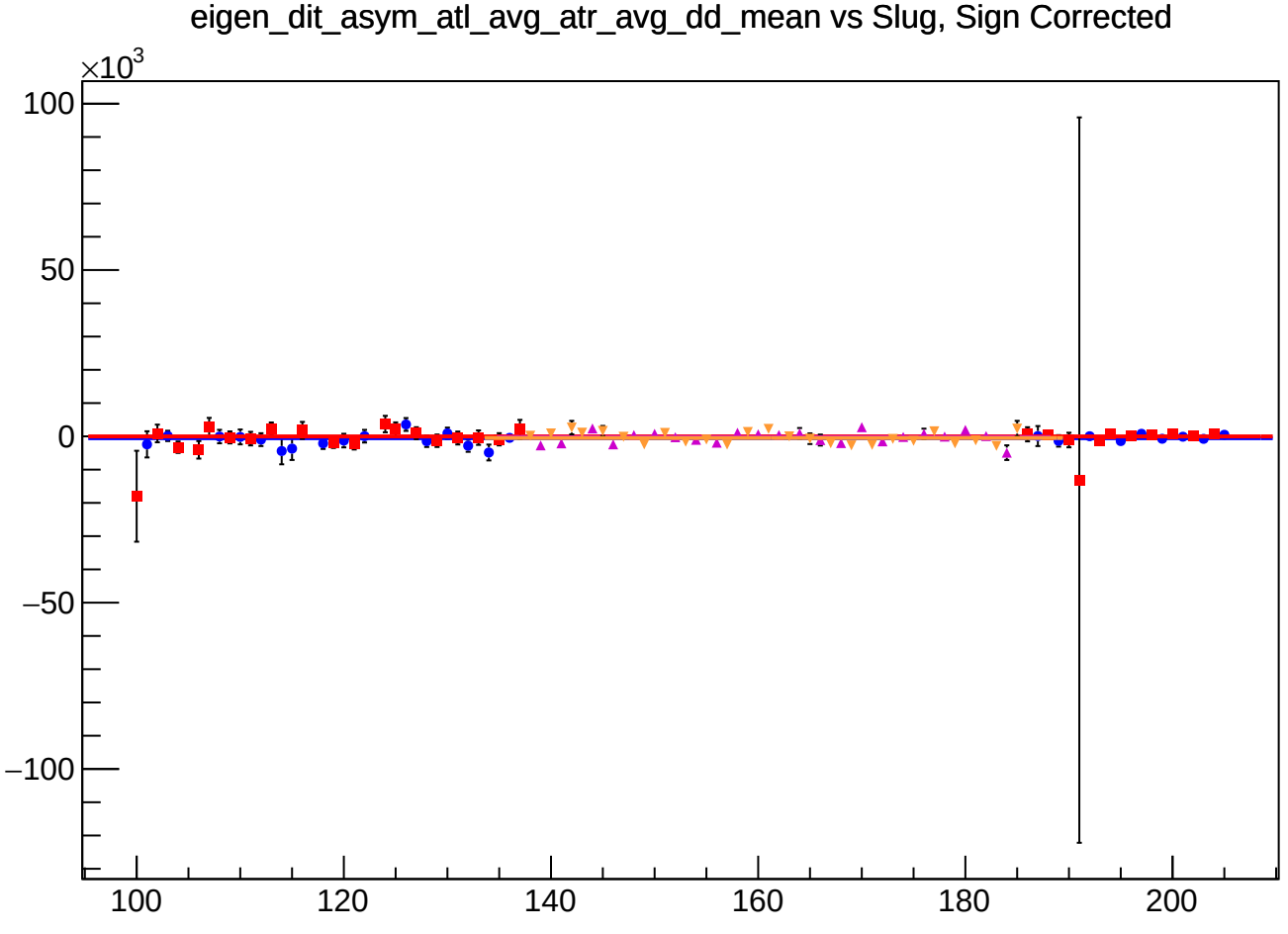
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 480.086+/-0.081 χ^2/NDF: 23103231.8/54

In: 306.184+/-0.045 χ^2/NDF:17534524.2/47

Out: 287.832+/-0.042 χ^2/NDF:22048946.5/54

All: 296.437+/-0.031 χ^2/NDF: 39672570.2/10



Right In: -549.442+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -19.490+/-334.631 χ^2/NDF: 20.7/29

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

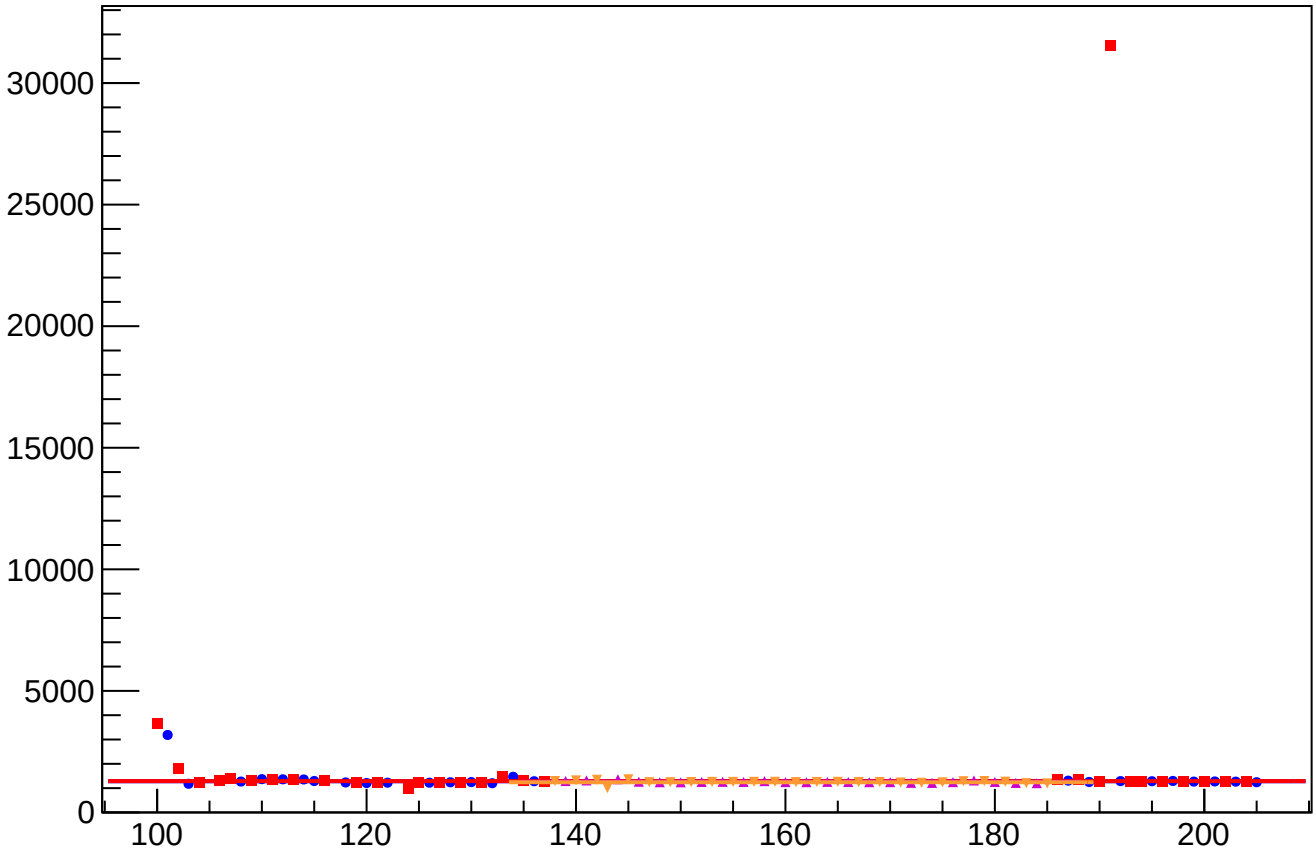
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -276.366+/-240.209 χ^2/NDF: 38.2/54

In: -371.504+/-223.925 χ^2/NDF:47.4/47

Out: -296.024+/-215.967 χ^2/NDF:56.1/54

All: -332.399+/-155.449 χ^2/NDF: 103.6/102



Right In: 1282.958+/-0.244 χ^2/NDF: 513245.9/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.8/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

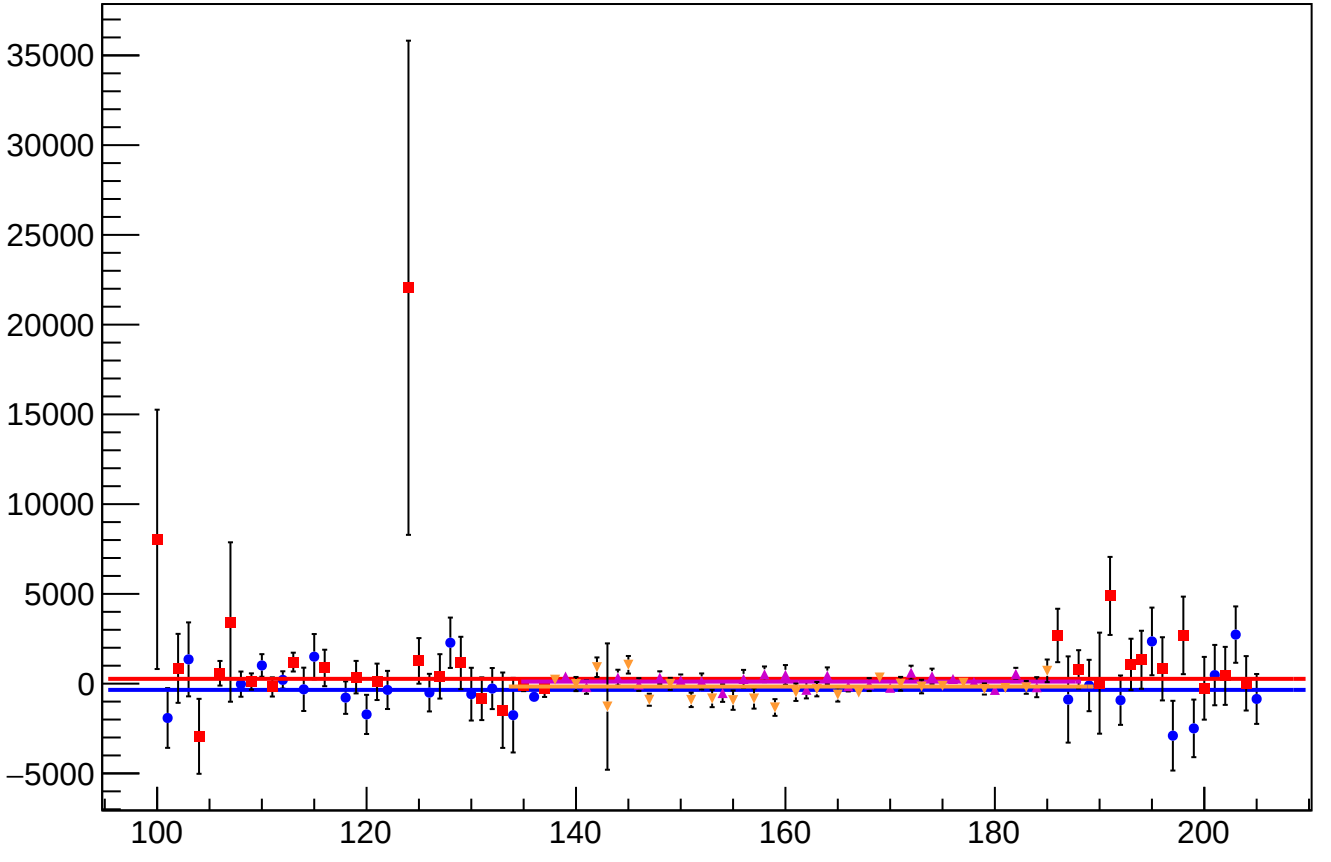
Right: 1285.888+/-0.170 χ^2/NDF: 887128.6/54

In: 1269.725+/-0.158 χ^2/NDF:546261.7/47

Out: 1261.743+/-0.153 χ^2/NDF:525777.2/54

All: 1265.590+/-0.110 χ^2/NDF: 1073355.3/10

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -347.914+/-162.189 χ^2/NDF: 28.5/24

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 267.022+/-160.206 χ^2/NDF: 25.9/29

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

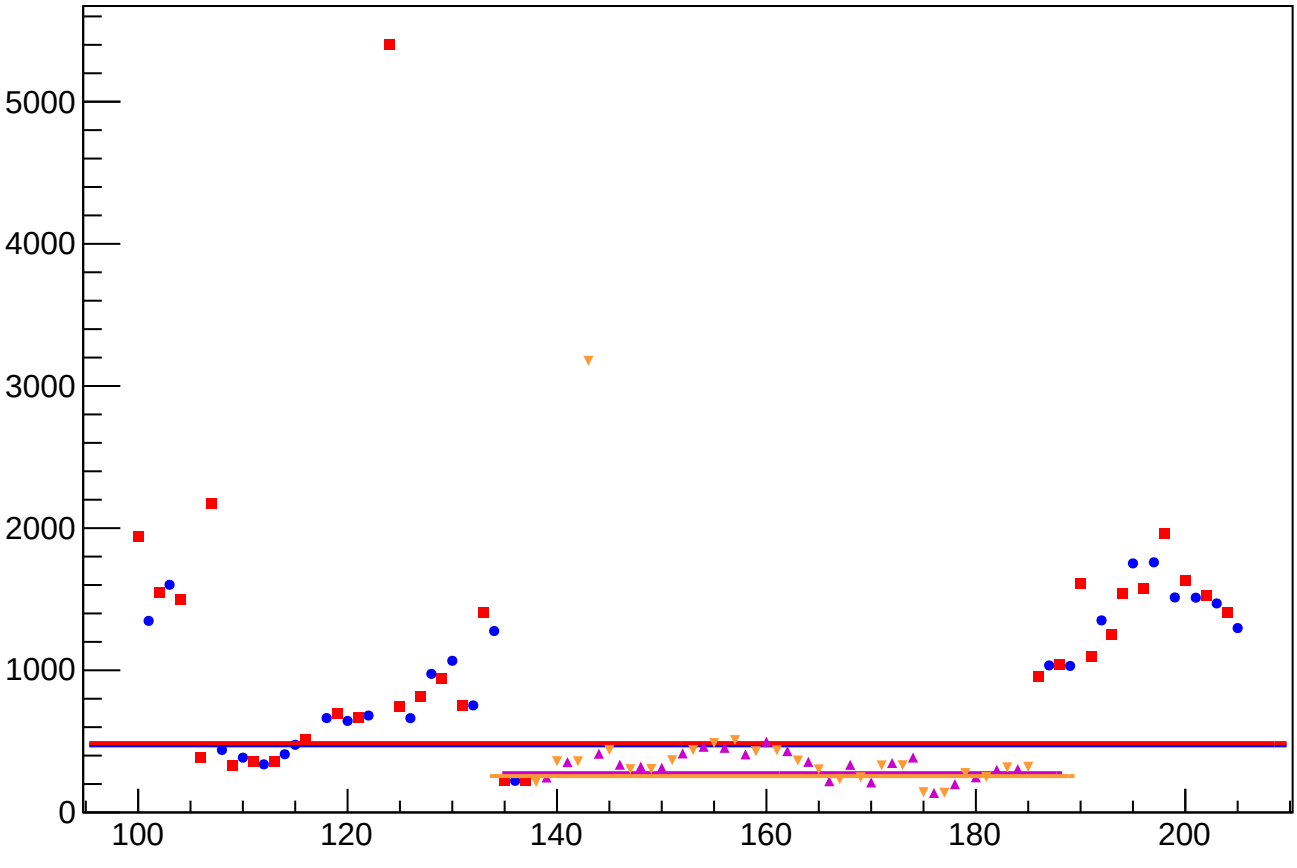
Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

Right: -36.663+/-113.977 χ^2/NDF: 61.6/54

In: 43.250+/-63.369 χ^2/NDF:53.5/47

Out: -101.824+/-59.539 χ^2/NDF:75.8/54

All: -33.803+/-43.391 χ^2/NDF: 132.1/102



Right In: 472.081+/-0.115 χ^2/NDF: 11037600.4/24

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 487.918+/-0.113 χ^2/NDF: 12055388.0/29

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

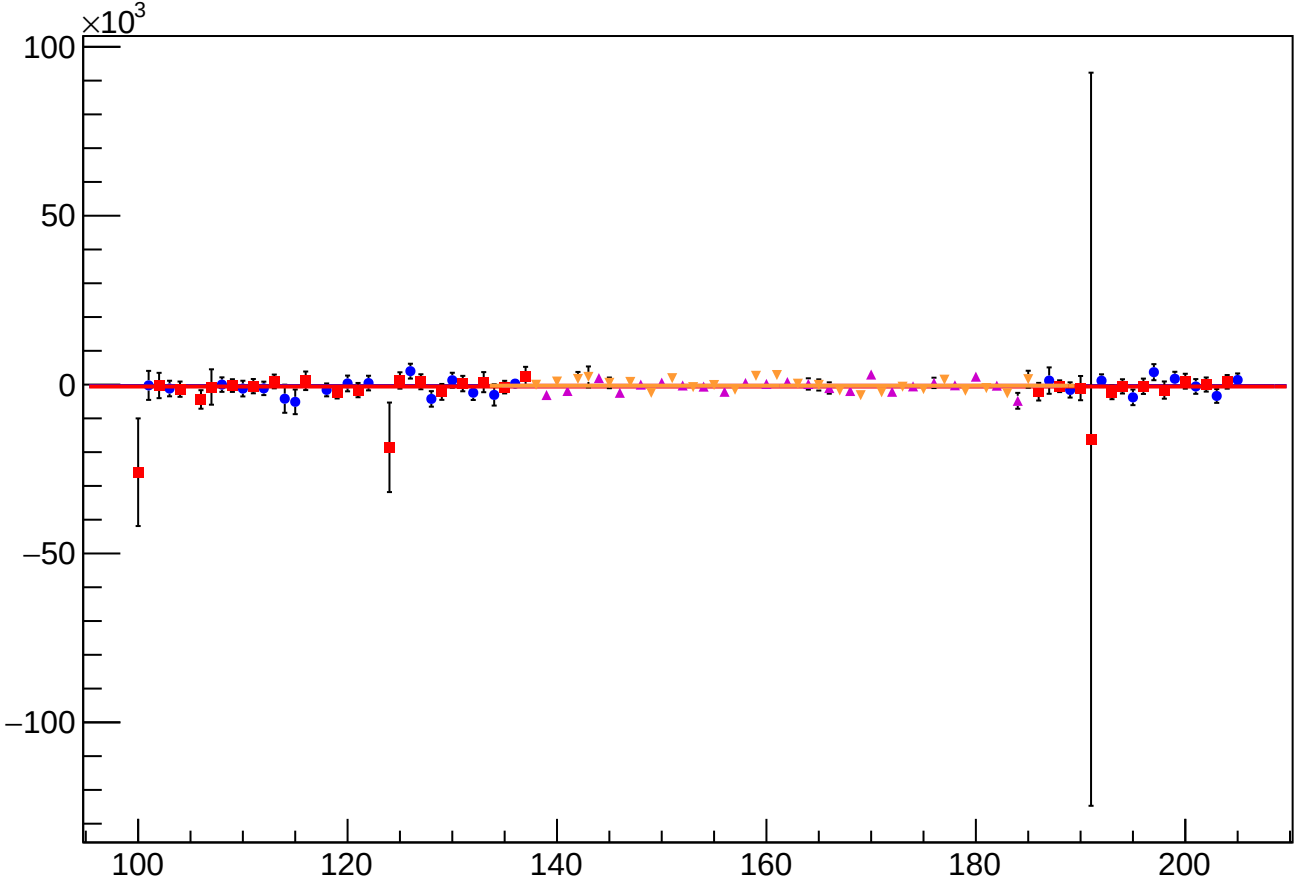
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 480.097+/-0.081 χ^2/NDF: 23102640.4/54

In: 306.186+/-0.045 χ^2/NDF:17534383.3/47

Out: 287.834+/-0.042 χ^2/NDF:22048757.6/54

All: 296.438+/-0.031 χ^2/NDF: 39672235.3/10



Right In: -425.909+/-447.382 χ^2/NDF: 22.9/24

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -567.706+/-440.175 χ^2/NDF: 13.7/29

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

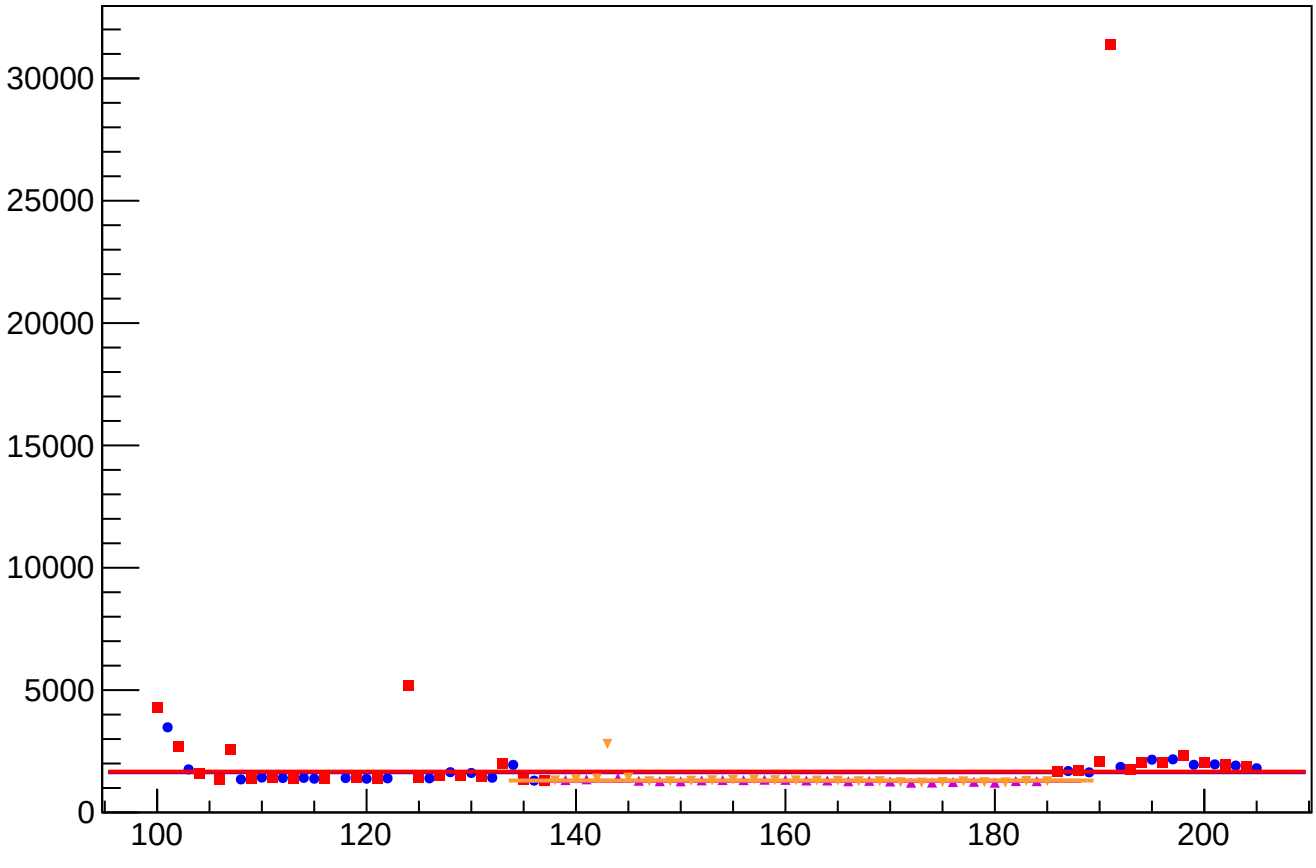
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -497.959+/-313.768 χ^2/NDF: 36.6/54

In: -378.140+/-250.252 χ^2/NDF:52.5/47

Out: -397.772+/-246.921 χ^2/NDF:45.4/54

All: -388.087+/-175.765 χ^2/NDF: 98.0/102



Right In: 1644.206+/-0.316 χ^2/NDF: 1101873.5/24

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1668.176+/-0.311 χ^2/NDF: 1370915.7/29

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

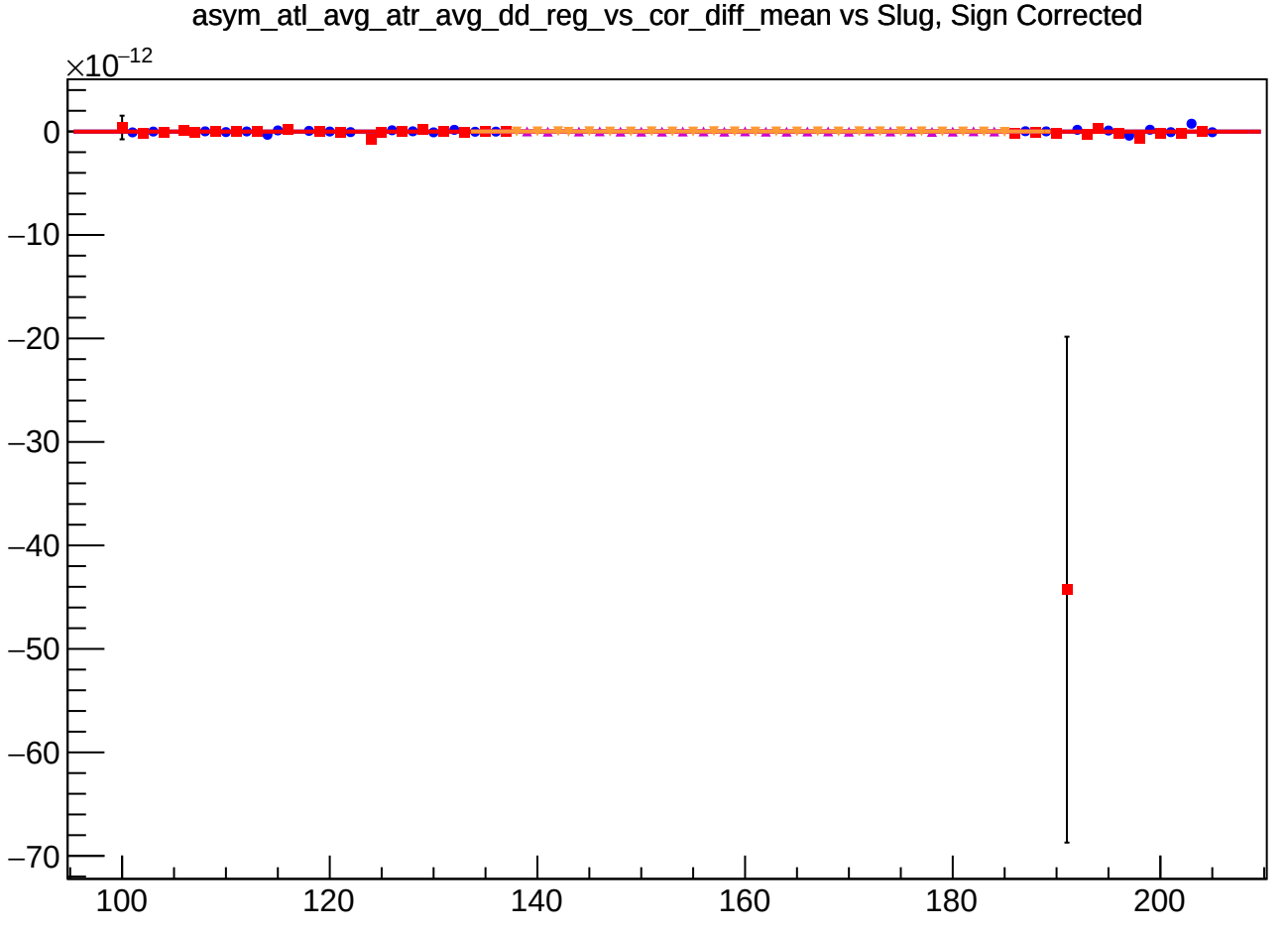
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1656.385+/-0.222 χ^2/NDF: 2475706.4/54

In: 1402.288+/-0.177 χ^2/NDF:2001327.8/47

Out: 1418.705+/-0.175 χ^2/NDF:2827925.0/54

All: 1410.607+/-0.124 χ^2/NDF: 4833614.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/29

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

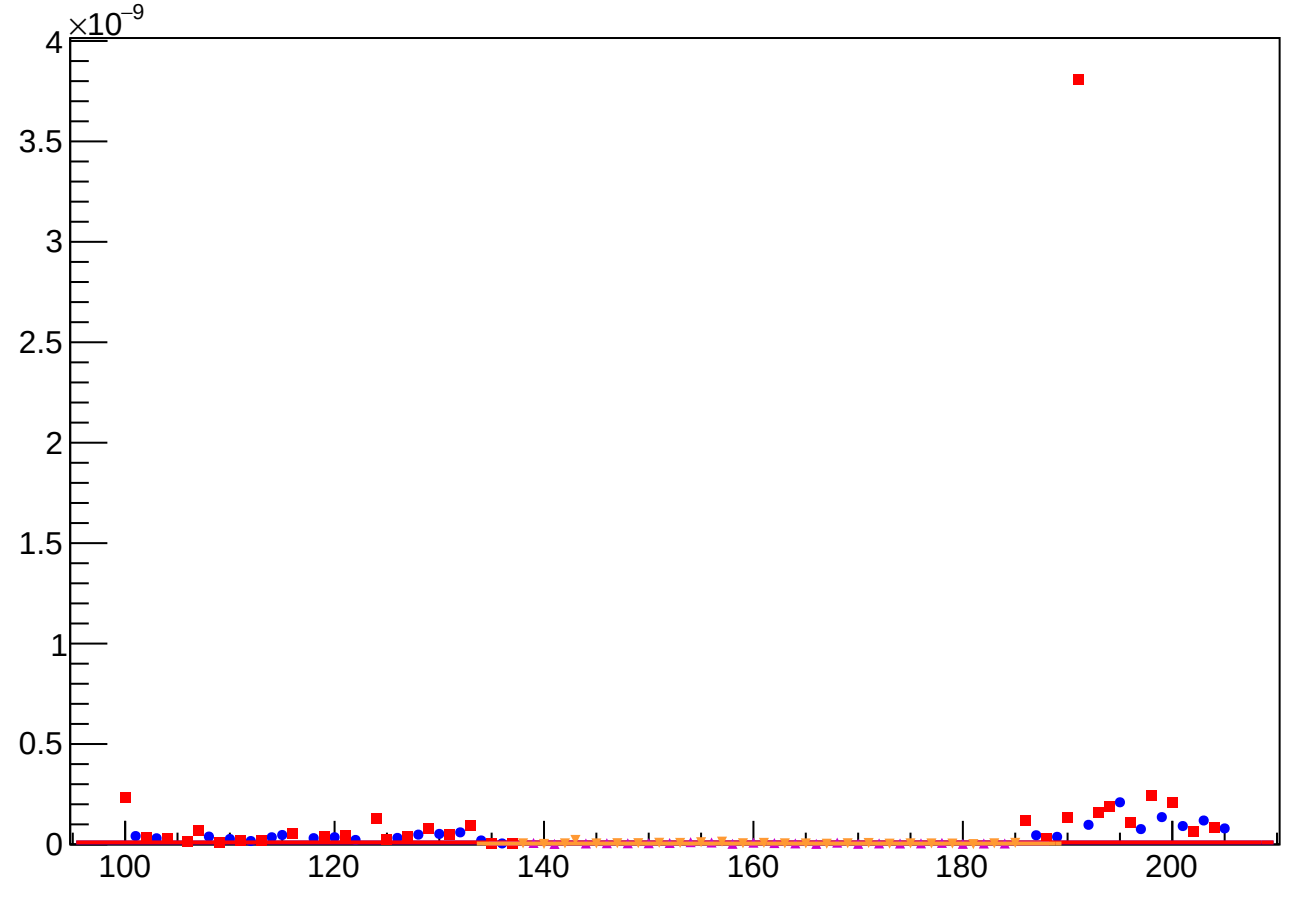
Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

Right: -0.000+/-0.000 χ^2/NDF: 65.0/54

In: -0.000+/-0.000 χ^2/NDF:59.8/47

Out: -0.000+/-0.000 χ^2/NDF:64.0/54

All: -0.000+/-0.000 χ^2/NDF: 124.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 6718649.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8599509.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

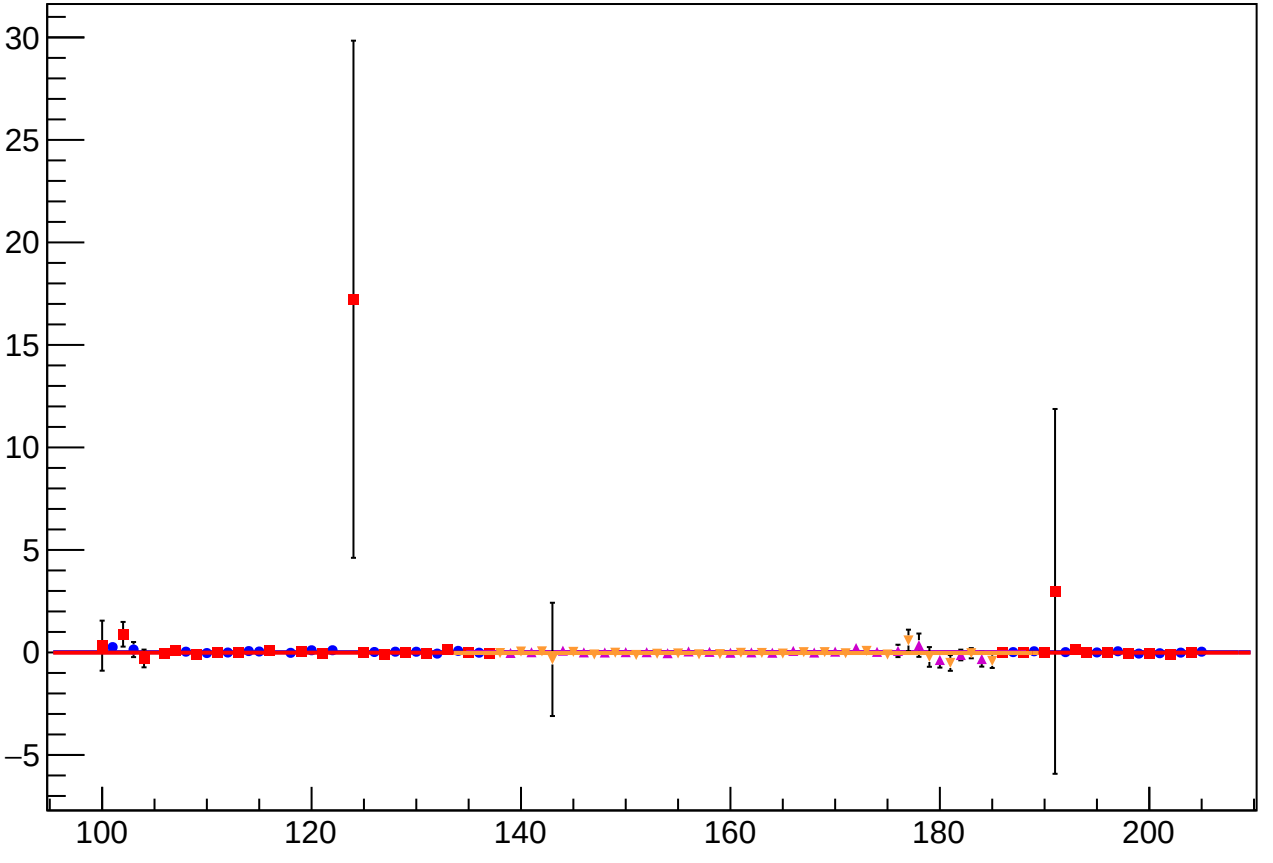
Right: 0.000+/-0.000 χ^2/NDF: 15323953.8/54

In: 0.000+/-0.000 χ^2/NDF:9375499.6/47

Out: 0.000+/-0.000 χ^2/NDF:12263921.7/54

All: 0.000+/-0.000 χ^2/NDF: 21666629.8/102

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

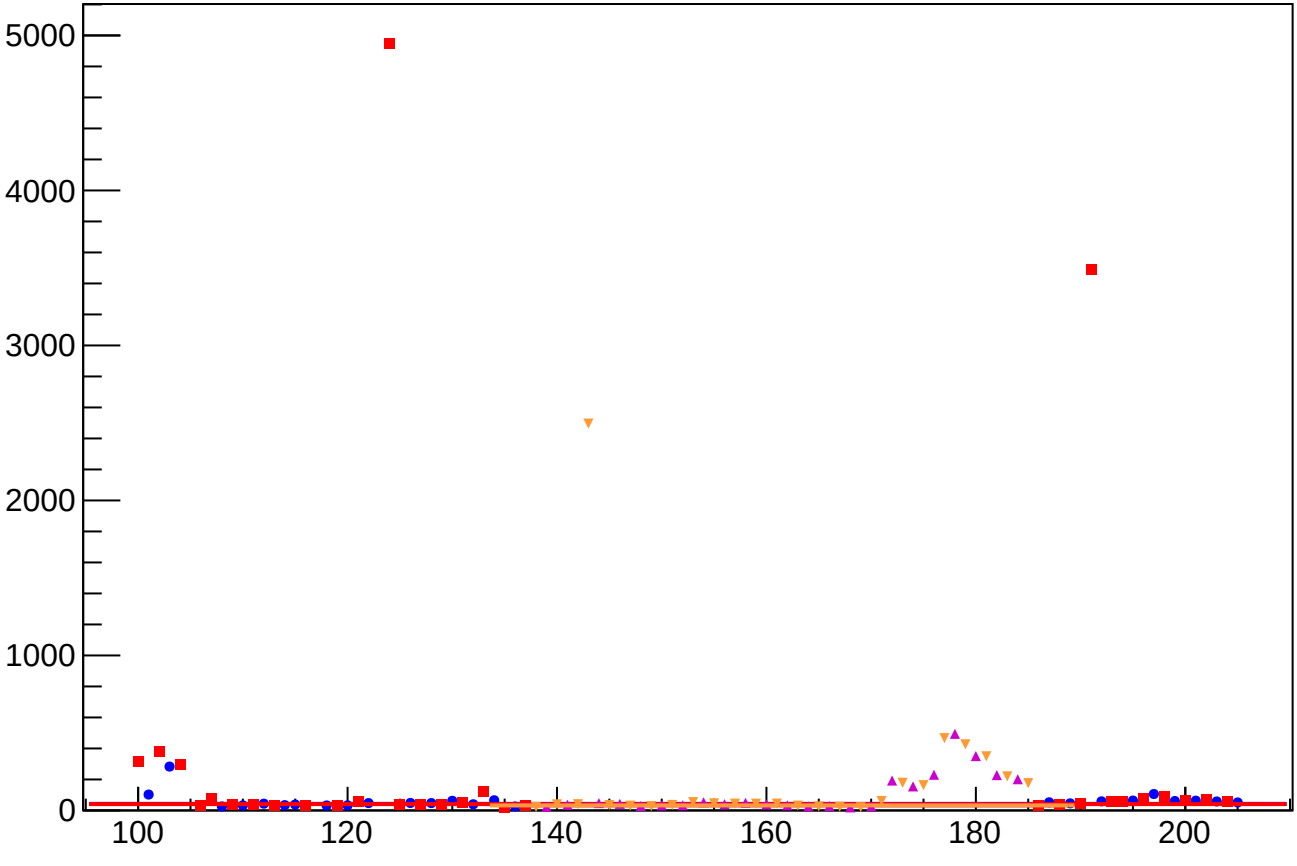
Right: 0.001+/-0.009 χ^2/NDF: 38.1/54

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.005+/-0.005 χ^2/NDF: 88.4/102

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

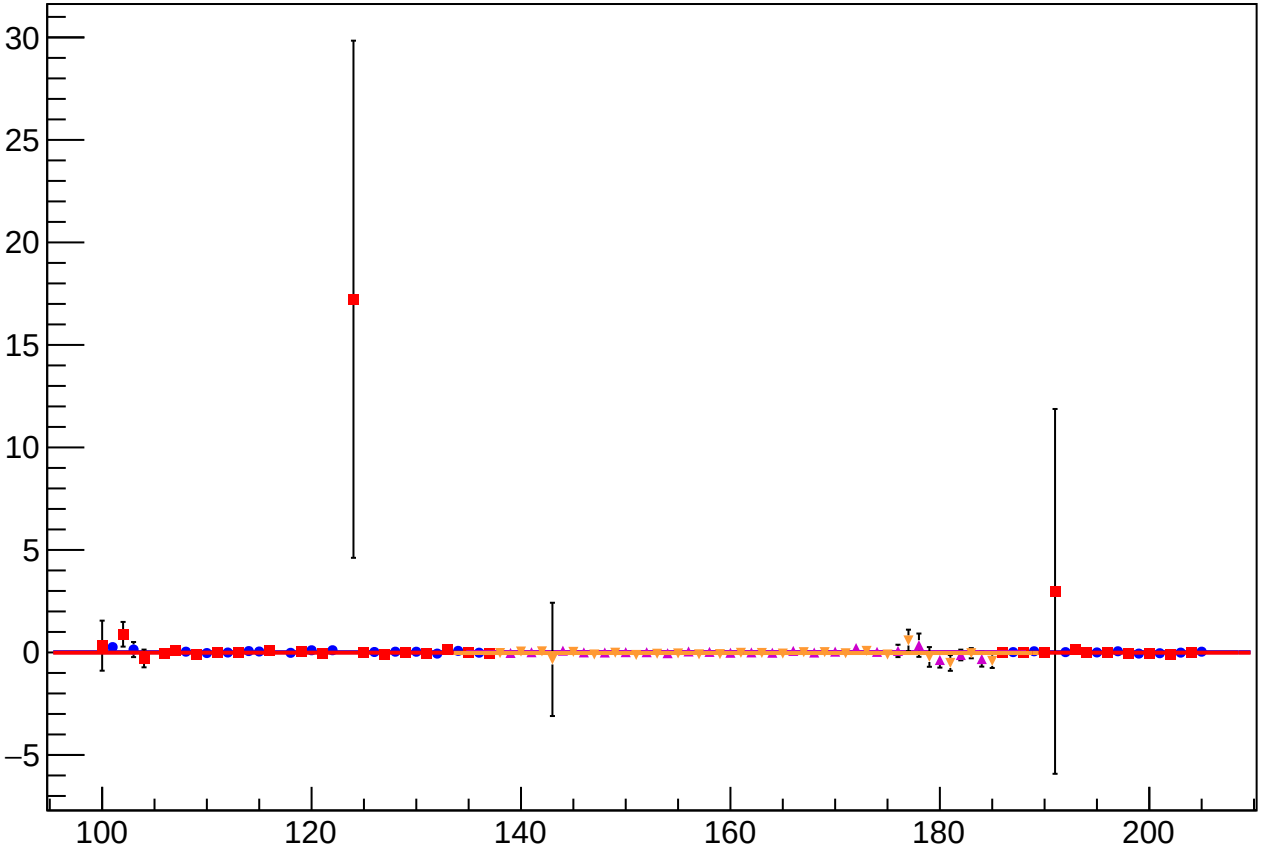
Right: 41.616+/-0.006 χ^2/NDF: 9392037.4/54

In: 36.093+/-0.005 χ^2/NDF:13682575.7/47

Out: 35.644+/-0.005 χ^2/NDF:16819595.4/54

All: 35.865+/-0.004 χ^2/NDF: 30505638.7/102

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

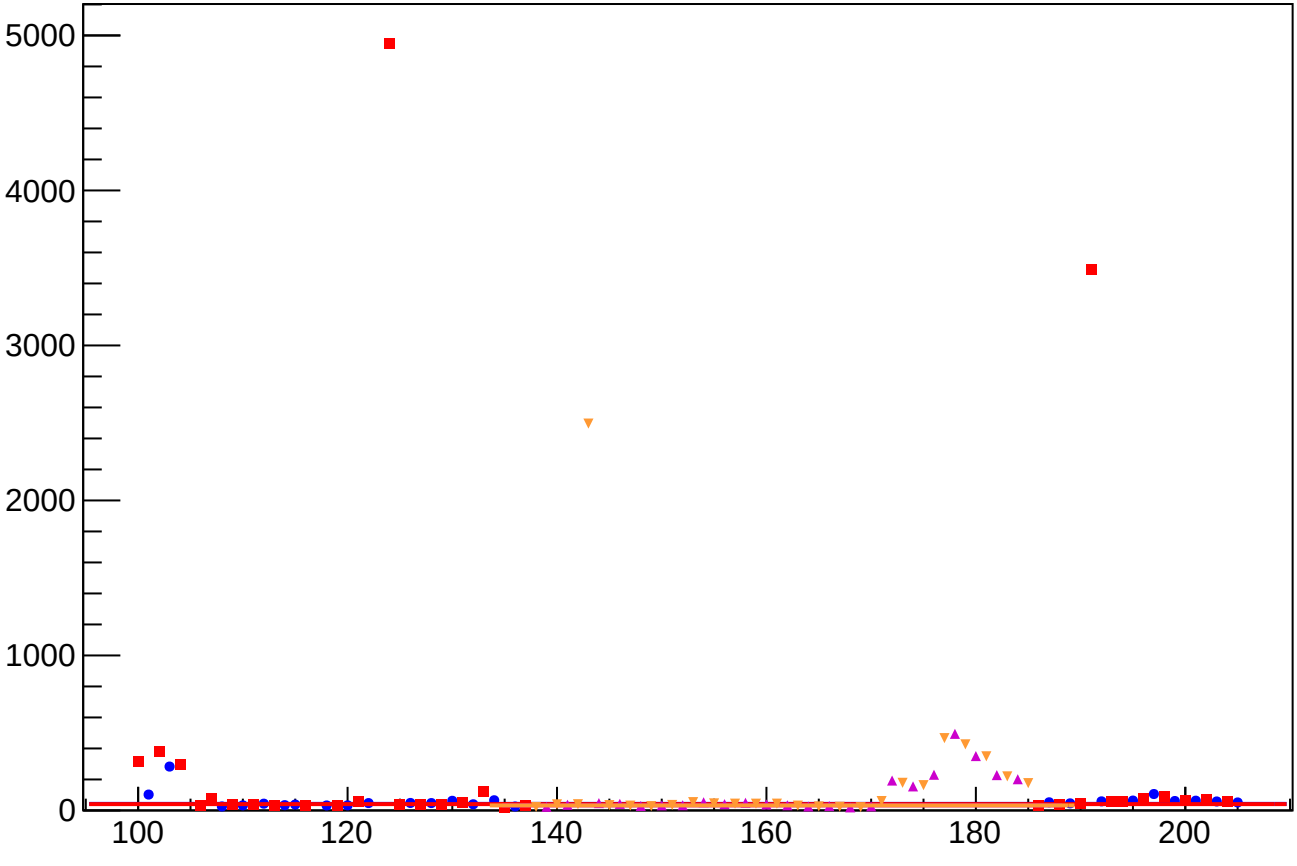
Right: 0.001+/-0.009 χ^2/NDF: 38.1/54

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.005+/-0.005 χ^2/NDF: 88.4/102

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

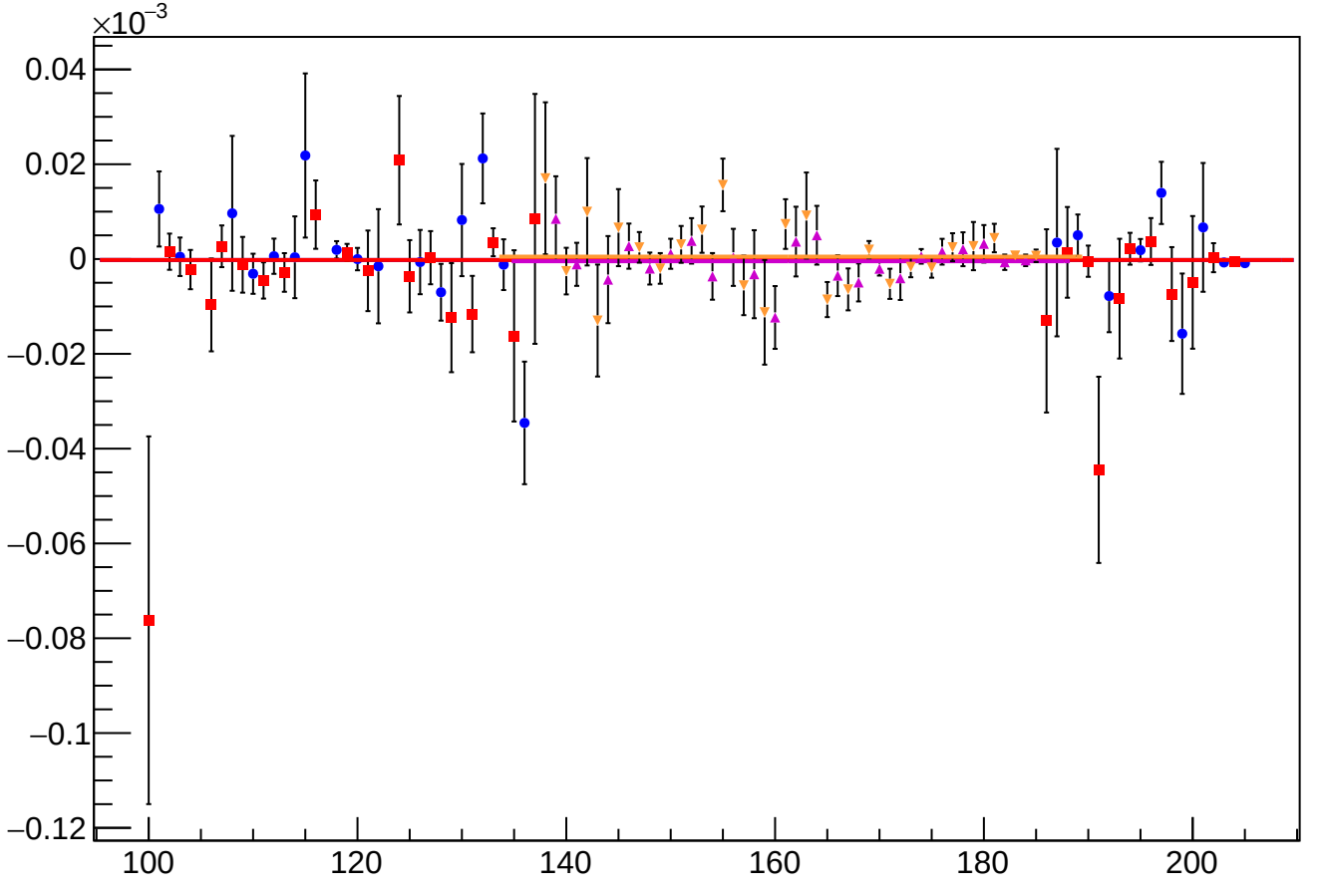
Right: 41.616+/-0.006 χ^2/NDF: 9392037.4/54

In: 36.093+/-0.005 χ^2/NDF:13682575.7/47

Out: 35.644+/-0.005 χ^2/NDF:16819595.4/54

All: 35.865+/-0.004 χ^2/NDF: 30505638.7/102

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/29

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

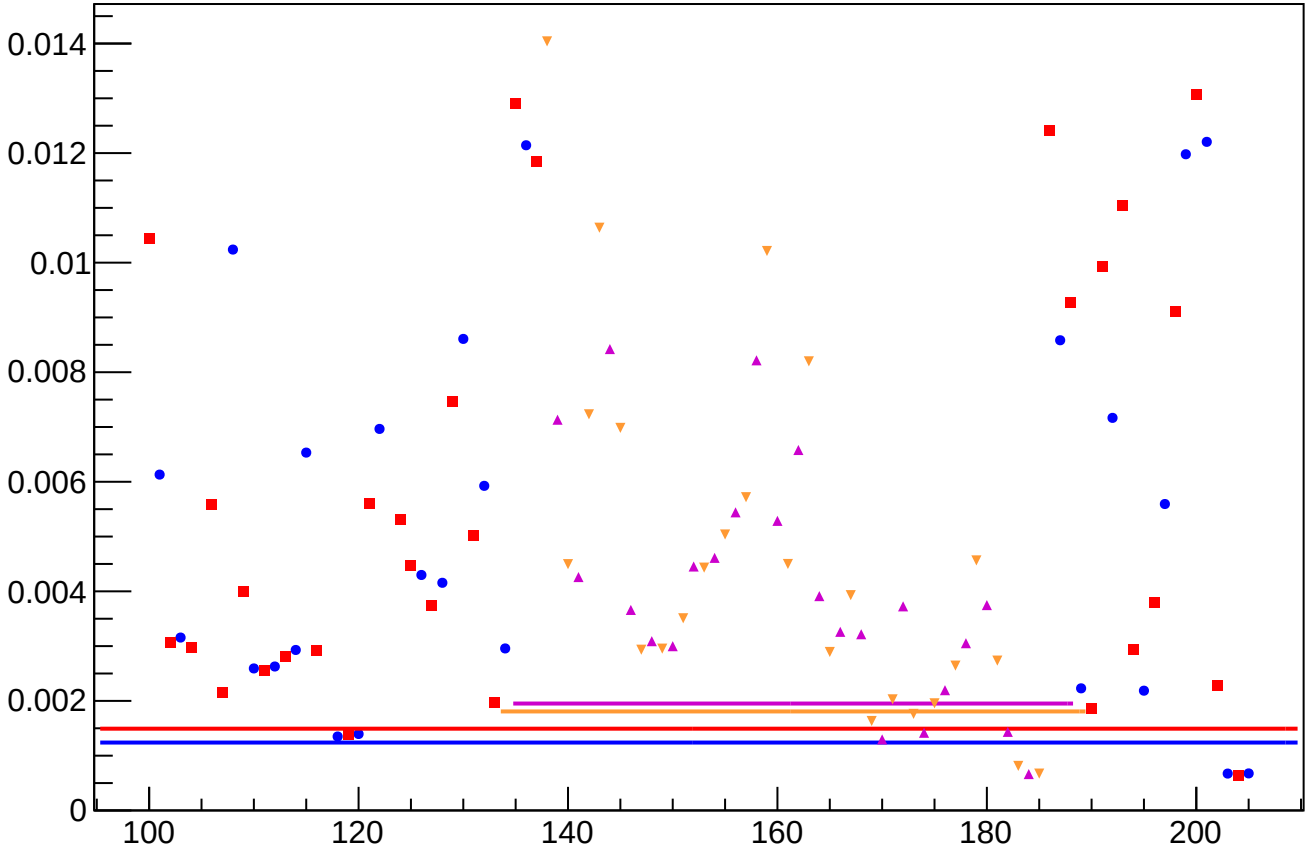
Right: -0.000+/-0.000 χ^2/NDF: 56.4/54

In: -0.000+/-0.000 χ^2/NDF:44.1/47

Out: 0.000+/-0.000 χ^2/NDF:62.6/54

All: -0.000+/-0.000 χ^2/NDF: 107.5/102

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 14011297.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14939490.4/29

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

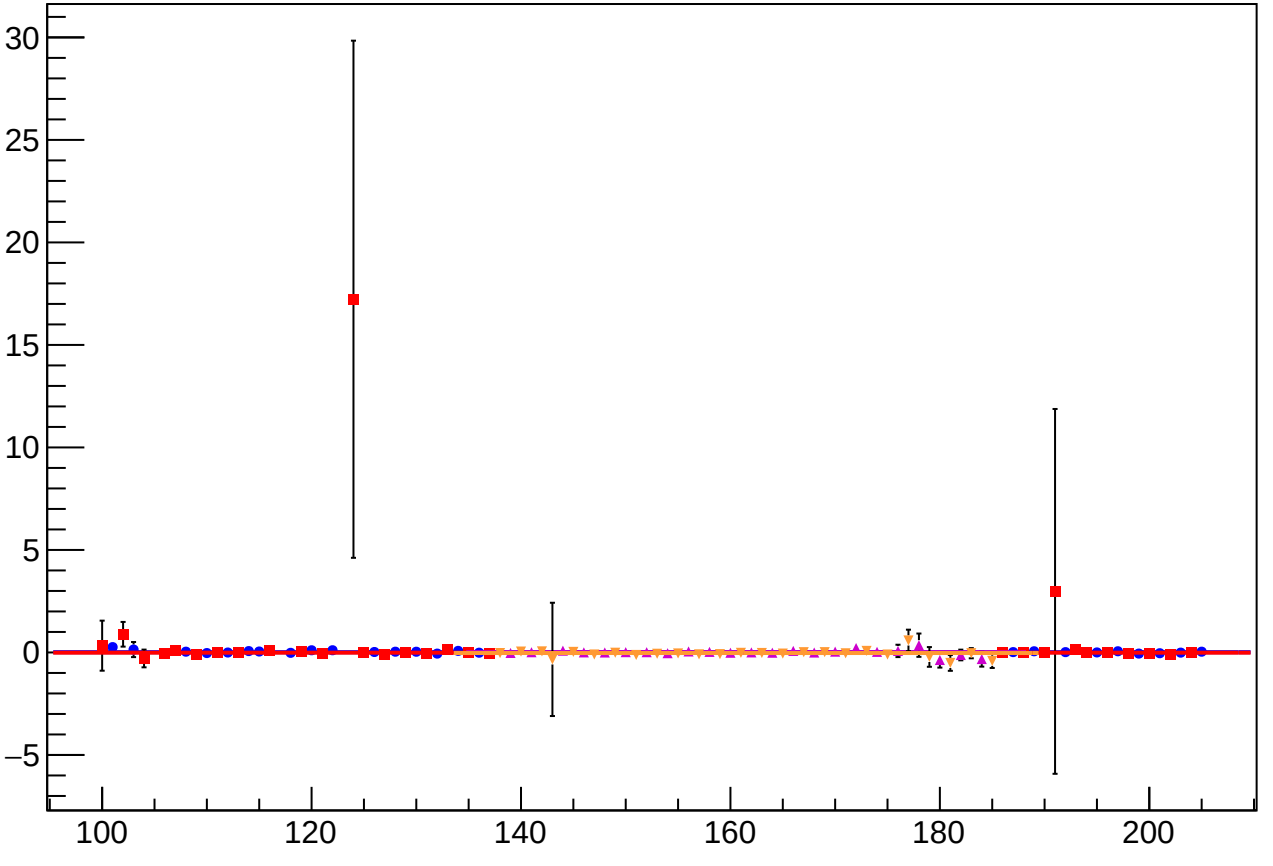
Right: 0.001+/-0.000 χ^2/NDF: 29167722.2/54

In: 0.002+/-0.000 χ^2/NDF:27143757.7/47

Out: 0.002+/-0.000 χ^2/NDF:30198961.8/54

All: 0.002+/-0.000 χ^2/NDF: 57416925.1/102

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

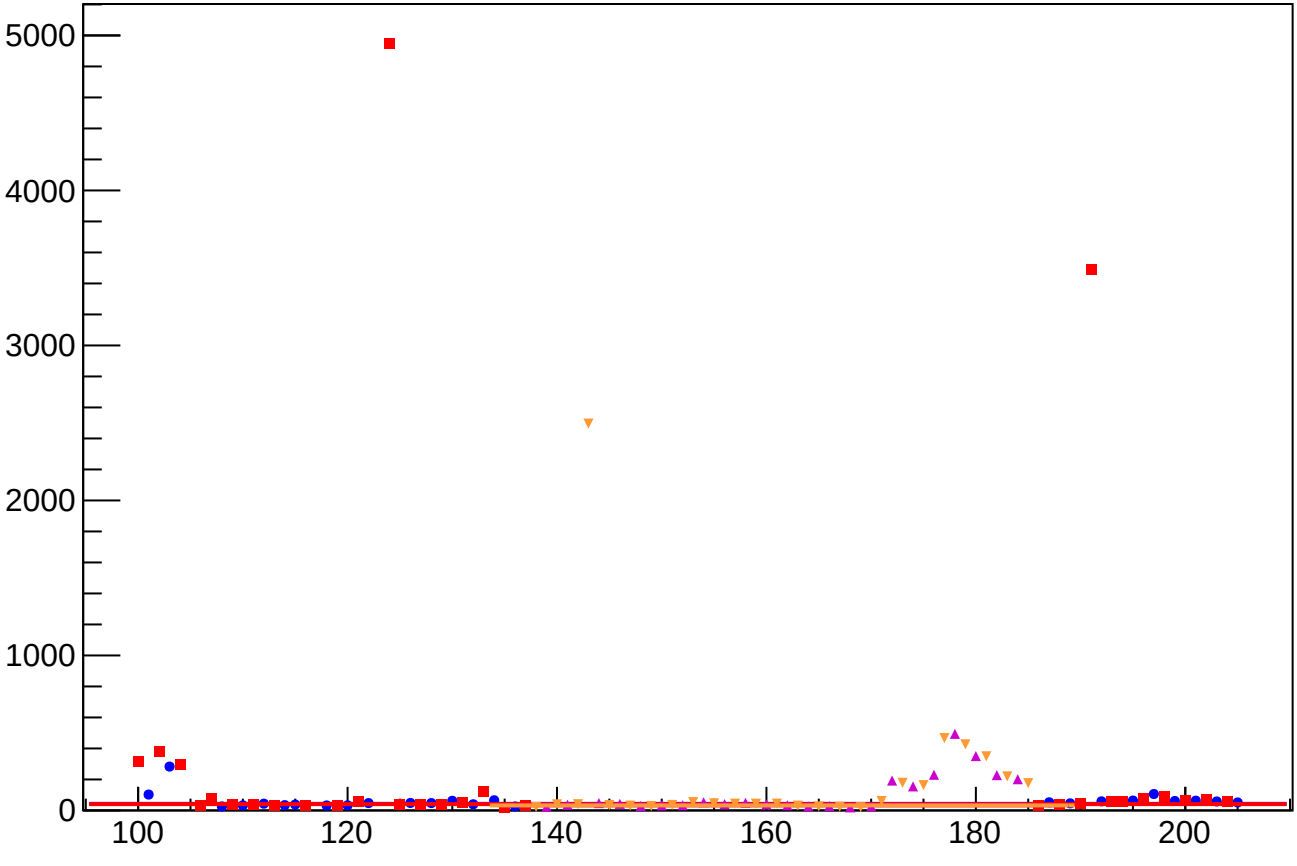
Right: 0.001+/-0.009 χ^2/NDF: 38.1/54

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.005+/-0.005 χ^2/NDF: 88.4/102

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

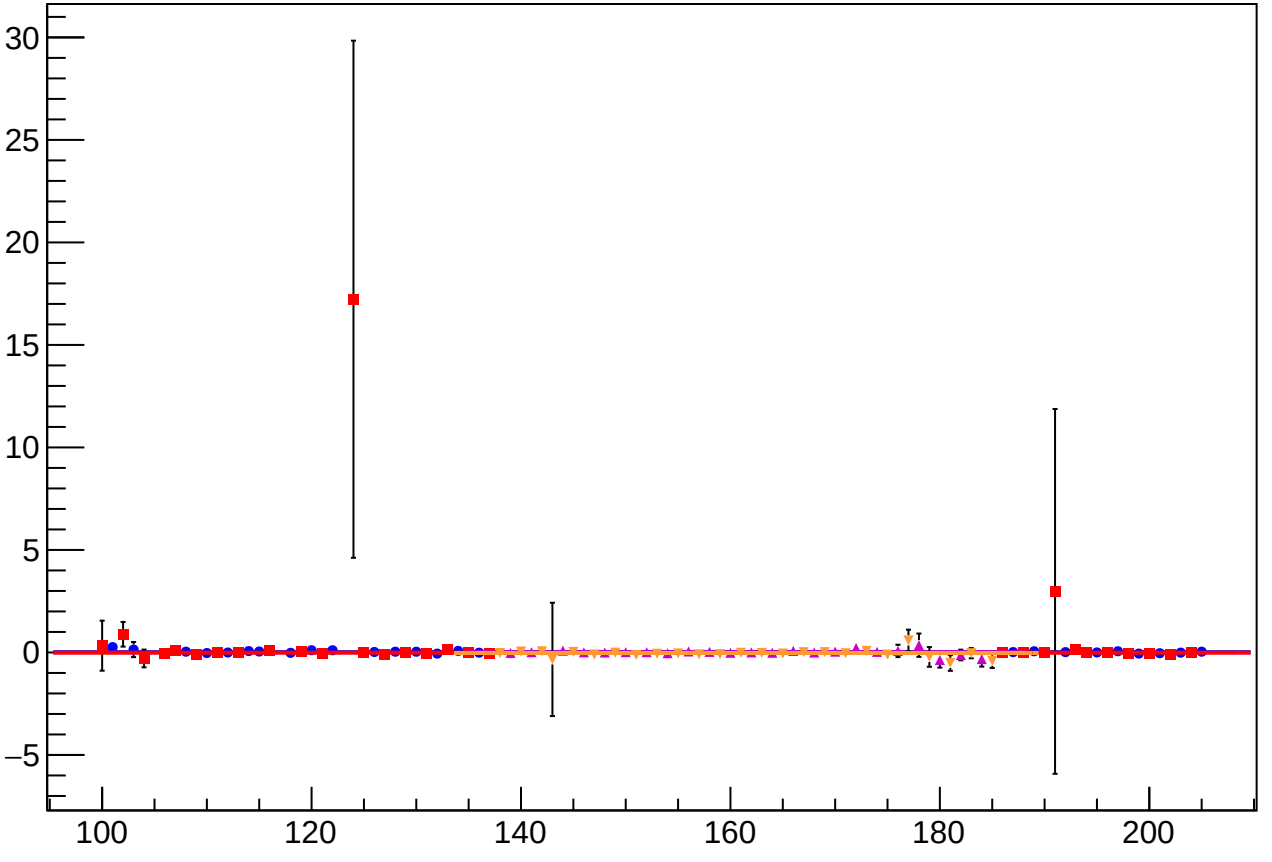
Right: 41.617+/-0.006 χ^2/NDF: 9391292.9/54

In: 36.092+/-0.005 χ^2/NDF:13683041.7/47

Out: 35.644+/-0.005 χ^2/NDF:16819683.6/54

All: 35.865+/-0.004 χ^2/NDF: 30506184.1/102

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

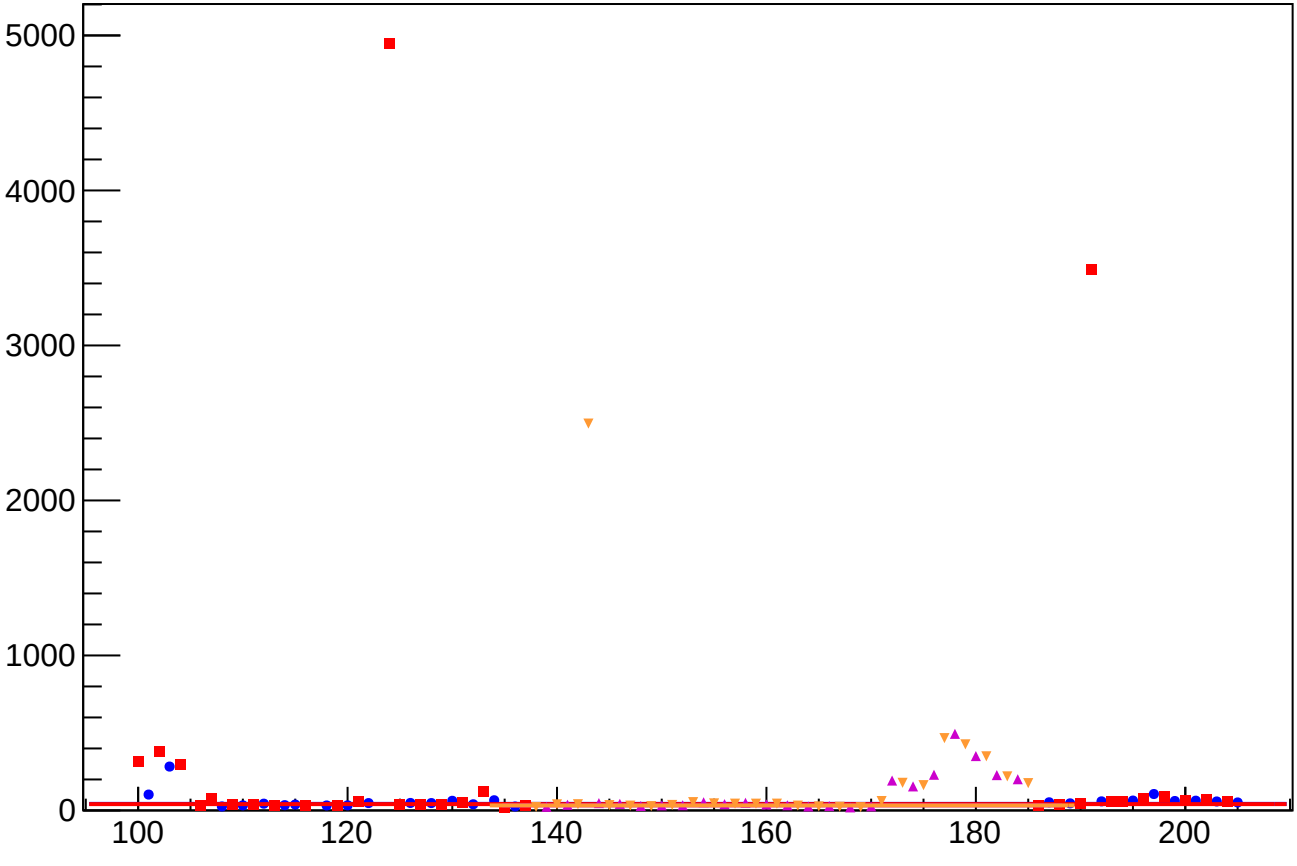
Right: 0.001+/-0.009 χ^2/NDF: 38.1/54

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.005+/-0.005 χ^2/NDF: 88.4/102

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

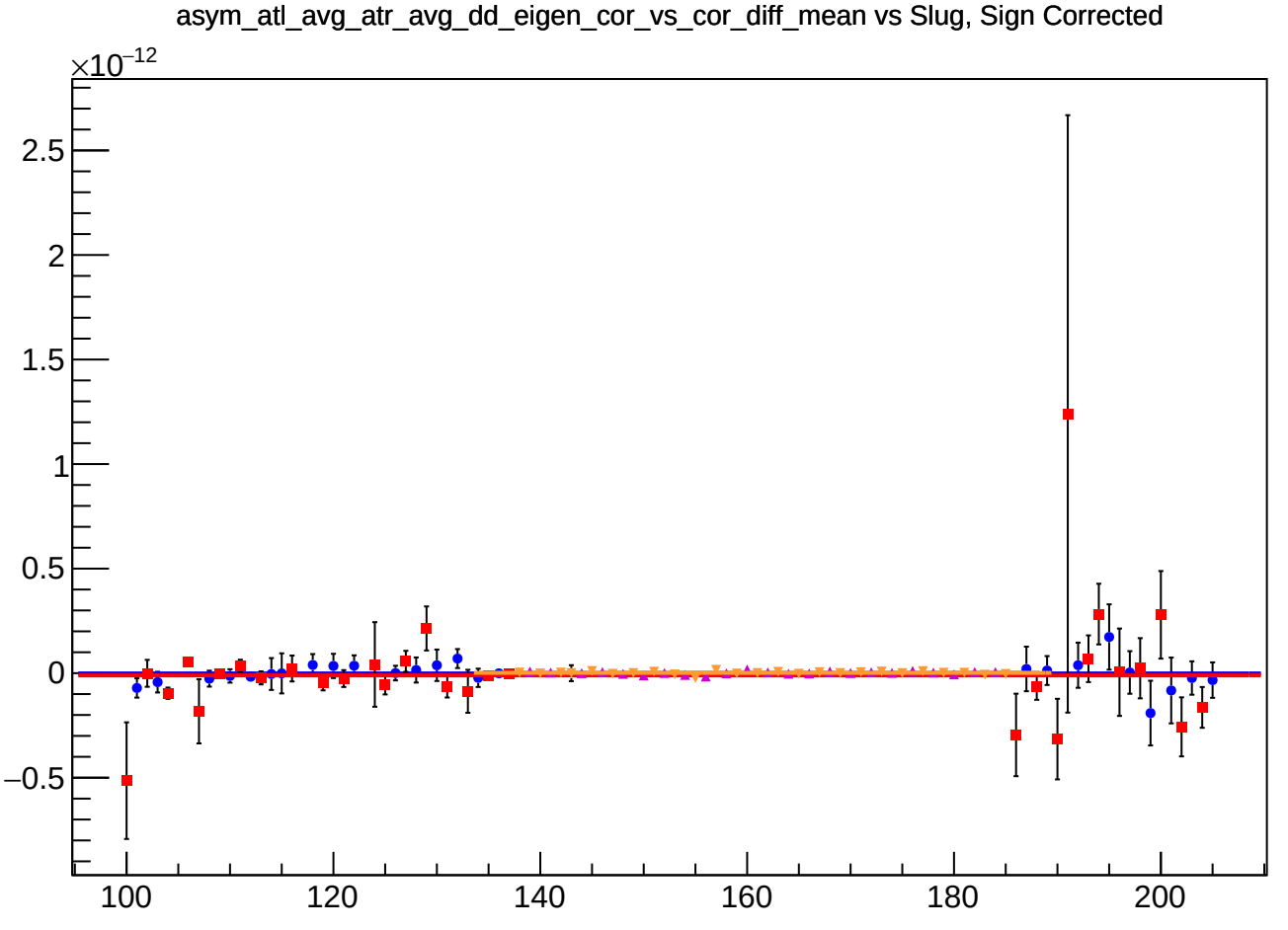
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.617+/-0.006 χ^2/NDF: 9391292.9/54

In: 36.092+/-0.005 χ^2/NDF:13683041.7/47

Out: 35.644+/-0.005 χ^2/NDF:16819683.6/54

All: 35.865+/-0.004 χ^2/NDF: 30506184.1/102



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.9/29

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

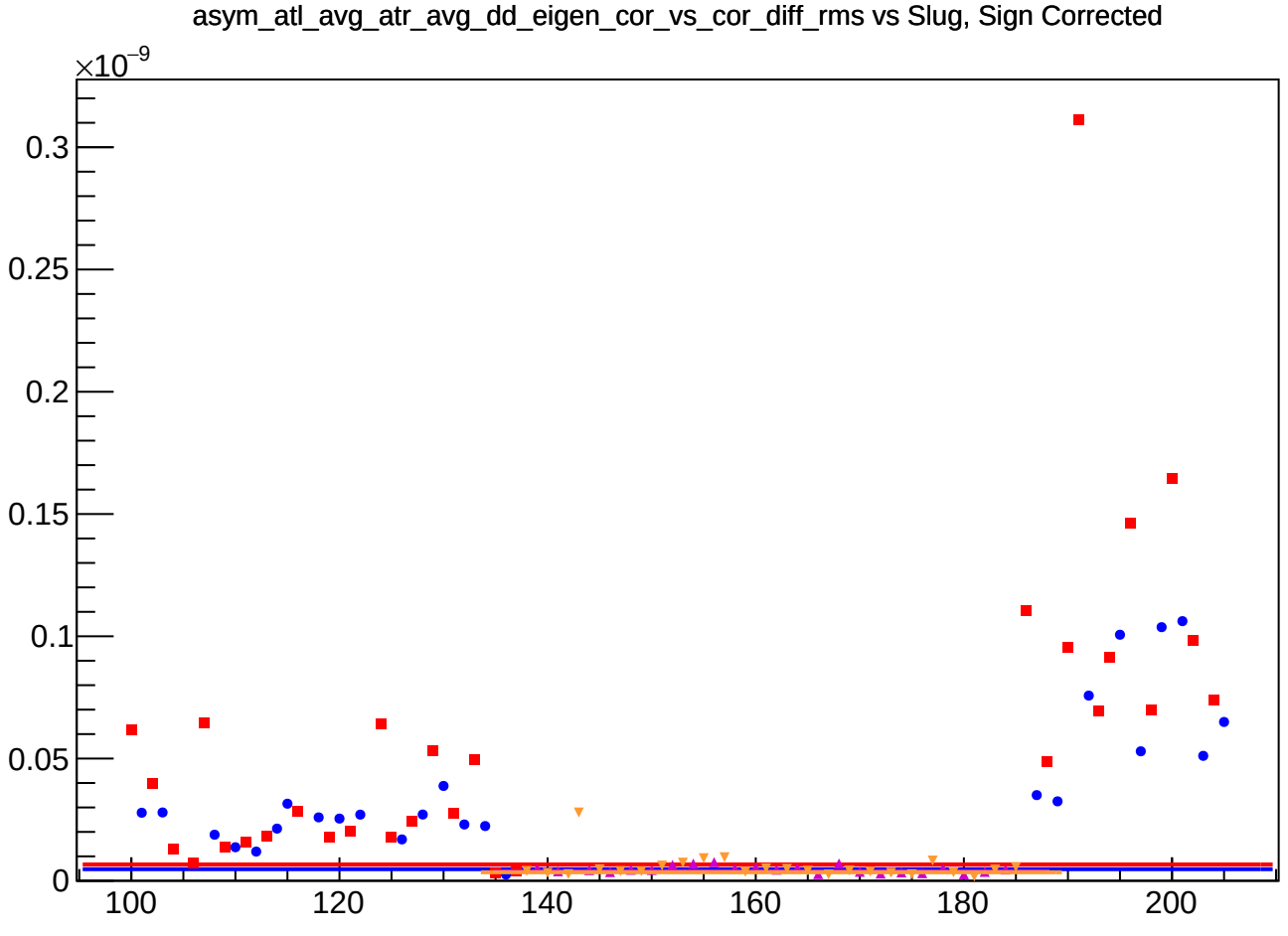
Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

Right: -0.000+/-0.000 χ^2/NDF: 73.1/54

In: 0.000+/-0.000 χ^2/NDF:41.3/47

Out: 0.000+/-0.000 χ^2/NDF:84.2/54

All: 0.000+/-0.000 χ^2/NDF: 125.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 11013269.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12374937.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

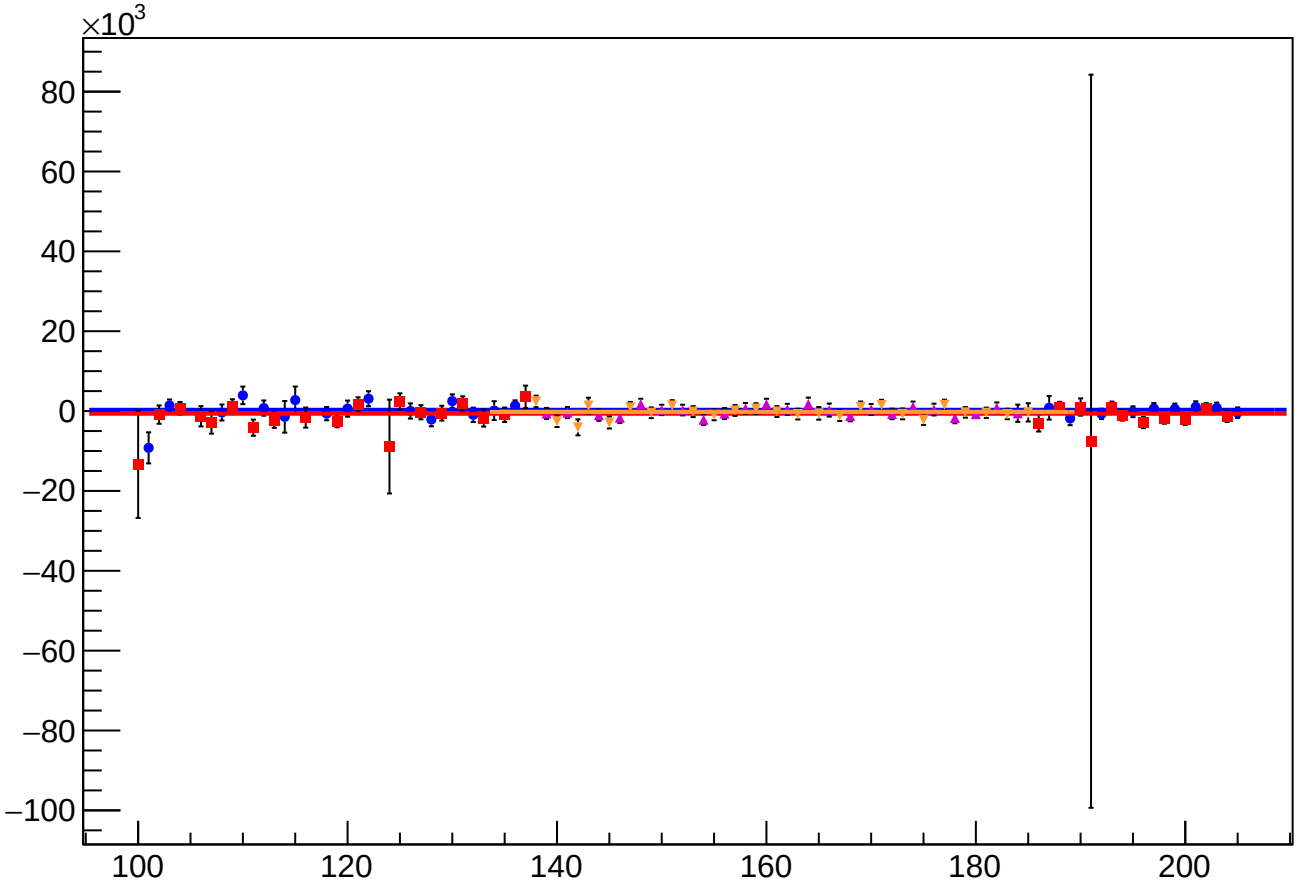
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 23647841.1/54

In: 0.000+/-0.000 χ^2/NDF:13181005.9/47

Out: 0.000+/-0.000 χ^2/NDF:18174531.0/54

All: 0.000+/-0.000 χ^2/NDF: 31475108.9/102



Right In: 328.549+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -671.748+/-331.777 χ^2/NDF: 27.3/29

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

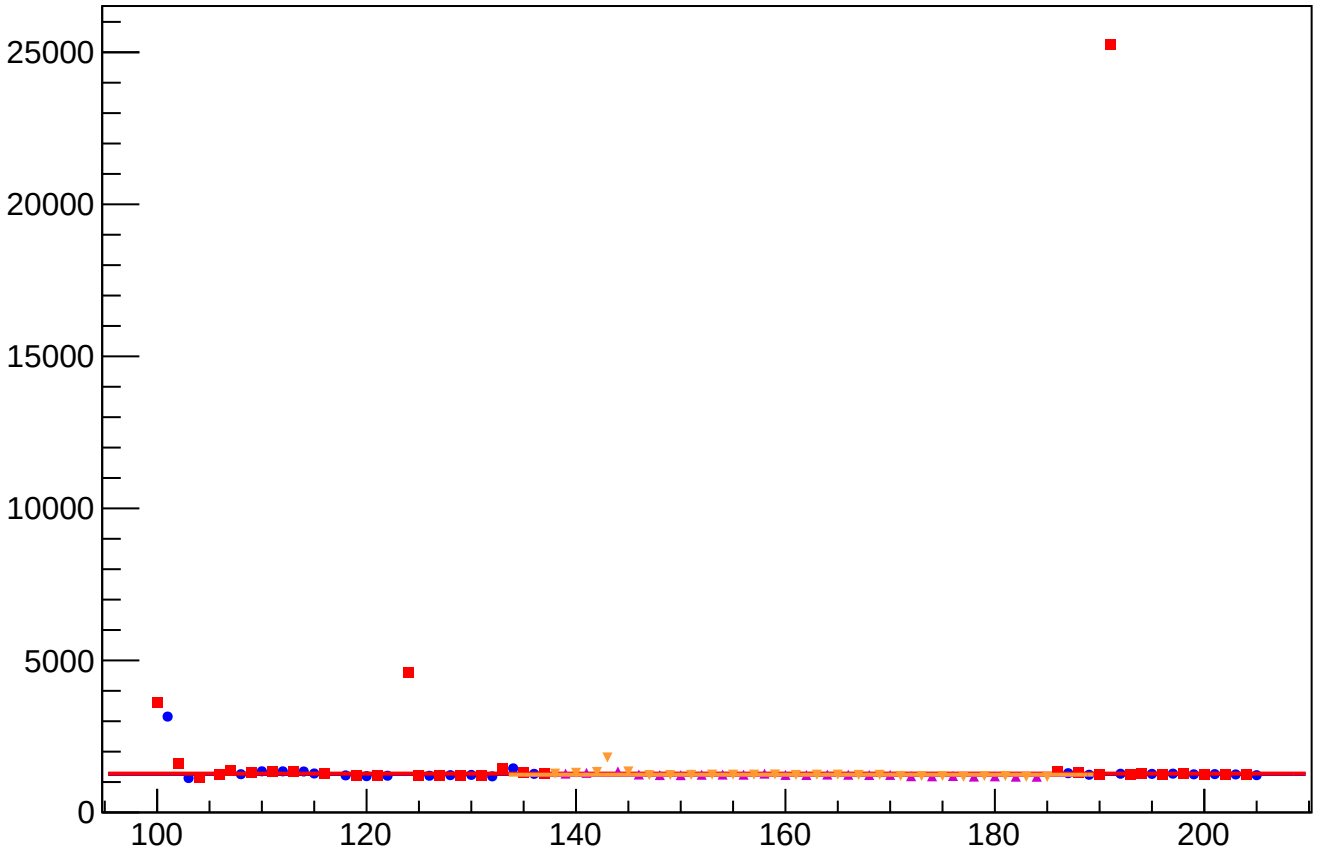
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -184.242+/-237.549 χ^2/NDF: 52.3/54

In: 83.445+/-219.927 χ^2/NDF:36.1/47

Out: -410.716+/-215.336 χ^2/NDF:52.3/54

All: -168.847+/-153.863 χ^2/NDF: 91.0/102



Right In: 1265.152+/-0.241 χ^2/NDF: 522750.2/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1277.696+/-0.235 χ^2/NDF: 470699.2/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

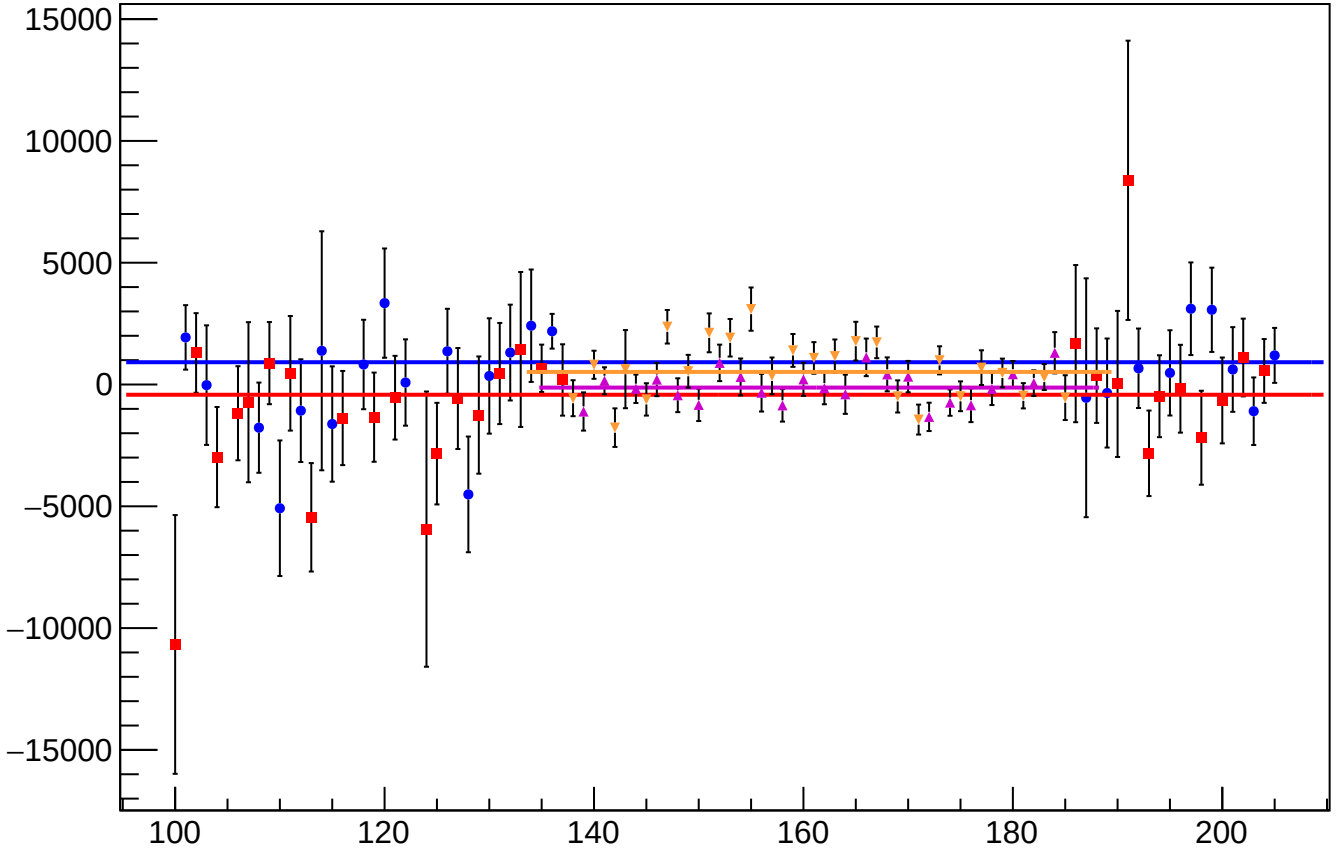
Right: 1271.582+/-0.168 χ^2/NDF: 994842.7/54

In: 1246.869+/-0.156 χ^2/NDF:571948.2/47

Out: 1257.514+/-0.152 χ^2/NDF:686785.0/54

All: 1252.304+/-0.109 χ^2/NDF: 1261125.4/10

asym_atl_dd_atr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 915.116+/-338.927 χ^2/NDF: 25.5/24

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -420.300+/-348.719 χ^2/NDF: 24.4/29

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

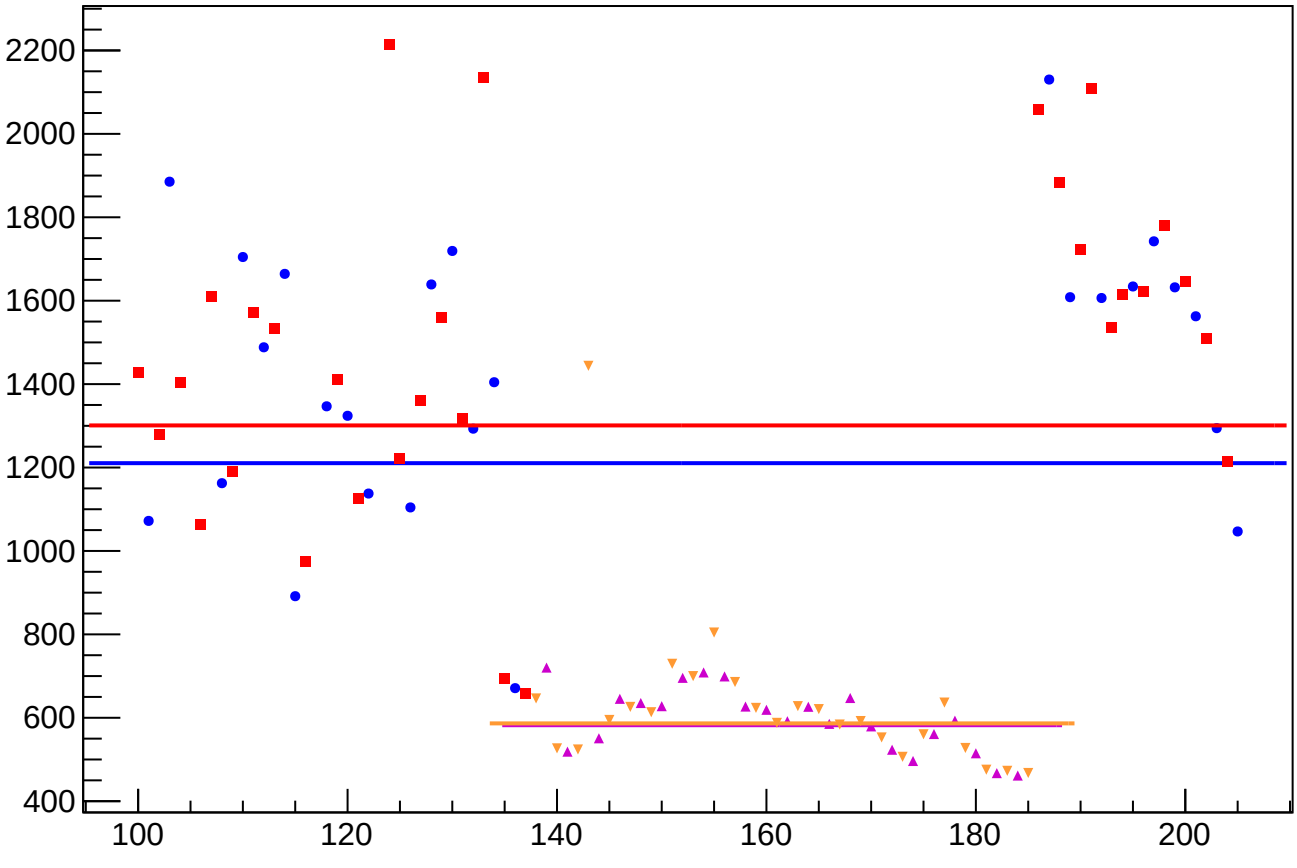
Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

Right: 266.421+/-243.046 χ^2/NDF: 57.5/54

In: 20.218+/-127.228 χ^2/NDF:55.1/47

Out: 393.479+/-126.500 χ^2/NDF:97.7/54

All: 207.920+/-89.705 χ^2/NDF: 157.2/102



Right In: 1210.477+/-0.240 χ^2/NDF: 2448024.7/24

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1300.966+/-0.247 χ^2/NDF: 2359618.3/29

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

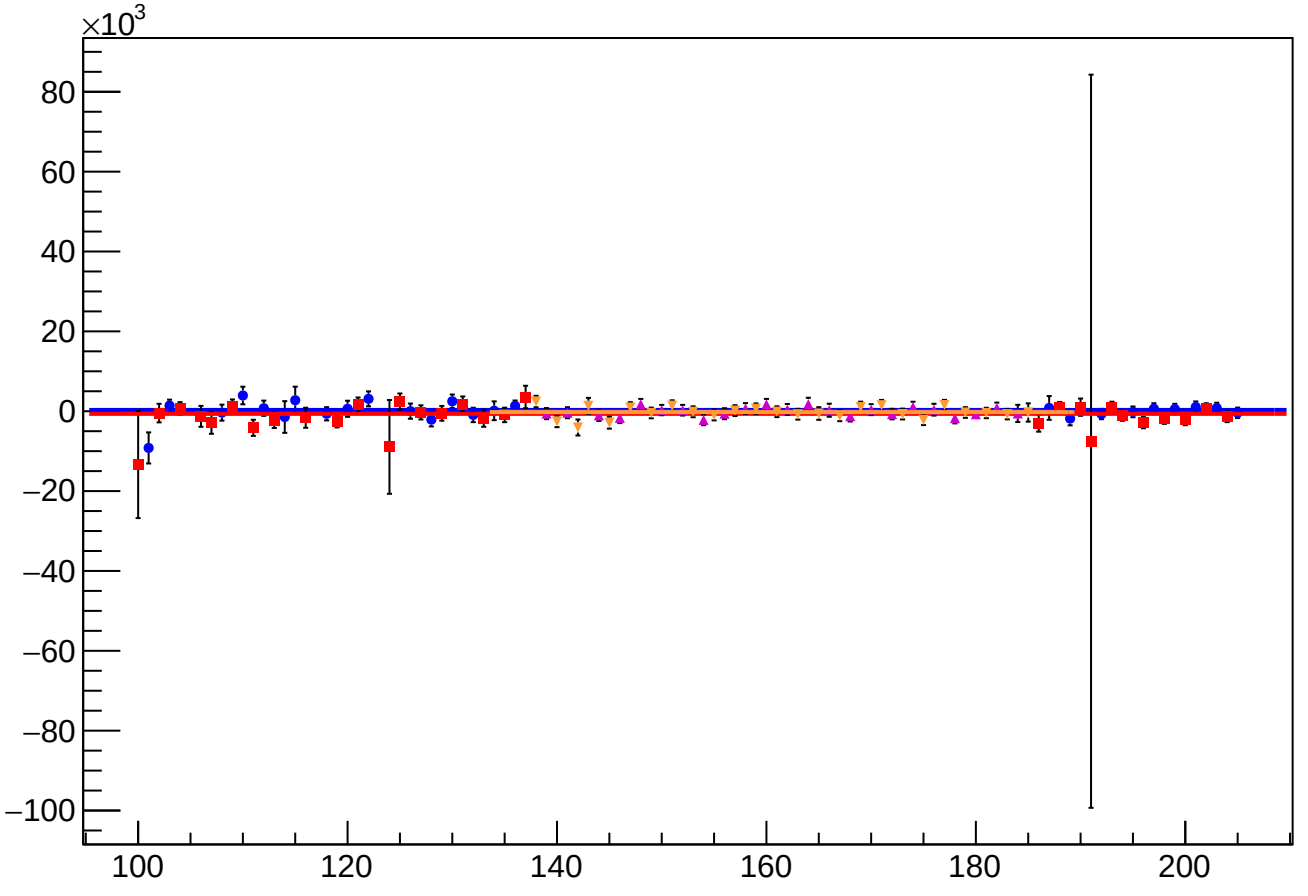
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1254.433+/-0.172 χ^2/NDF: 4876895.3/54

In: 670.724+/-0.090 χ^2/NDF:8911614.0/47

Out: 680.567+/-0.089 χ^2/NDF:10851997.7/54

All: 675.674+/-0.063 χ^2/NDF: 19769631.2/10



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

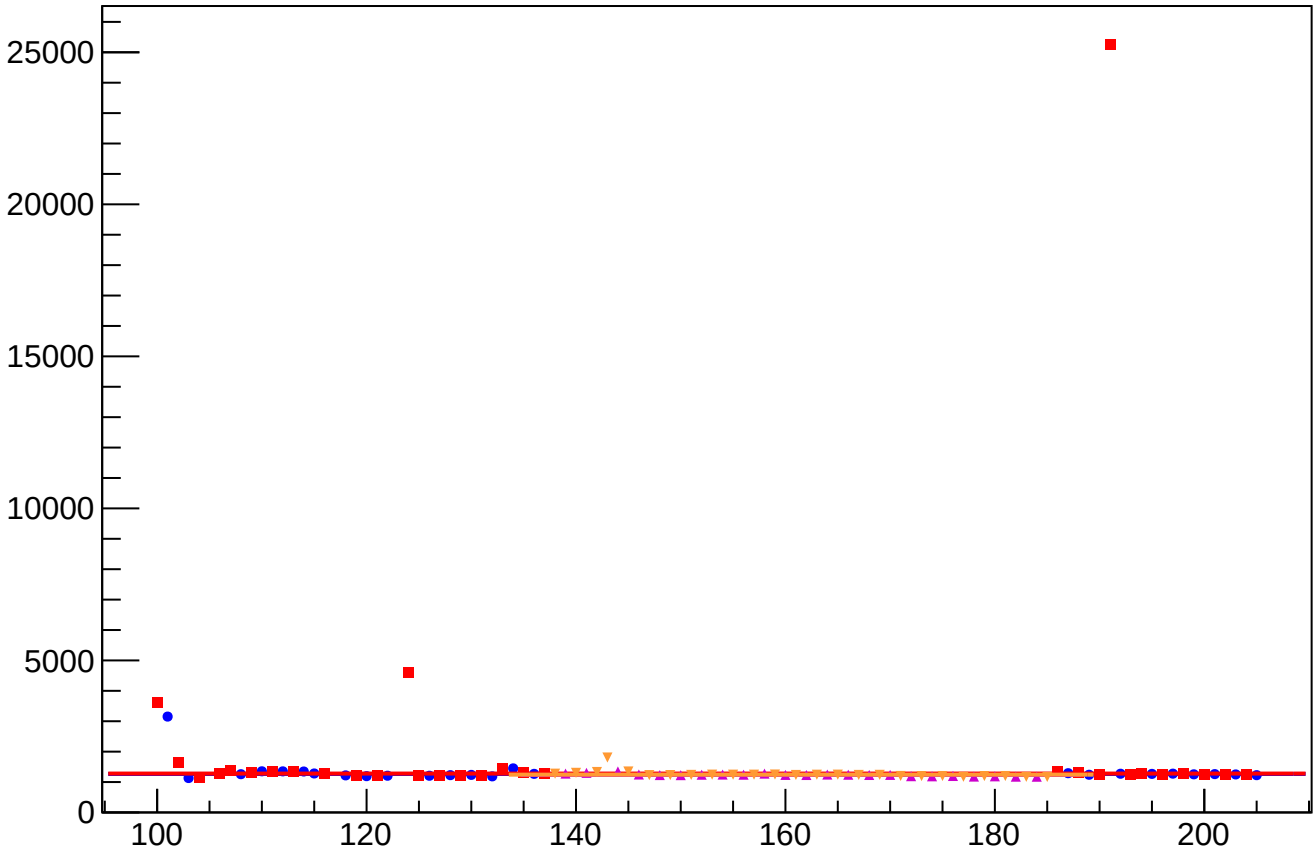
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -178.861+/-237.647 χ^2/NDF: 52.2/54

In: 83.496+/-219.927 χ^2/NDF:36.1/47

Out: -406.557+/-215.409 χ^2/NDF:52.3/54

All: -166.616+/-153.890 χ^2/NDF: 90.9/102



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

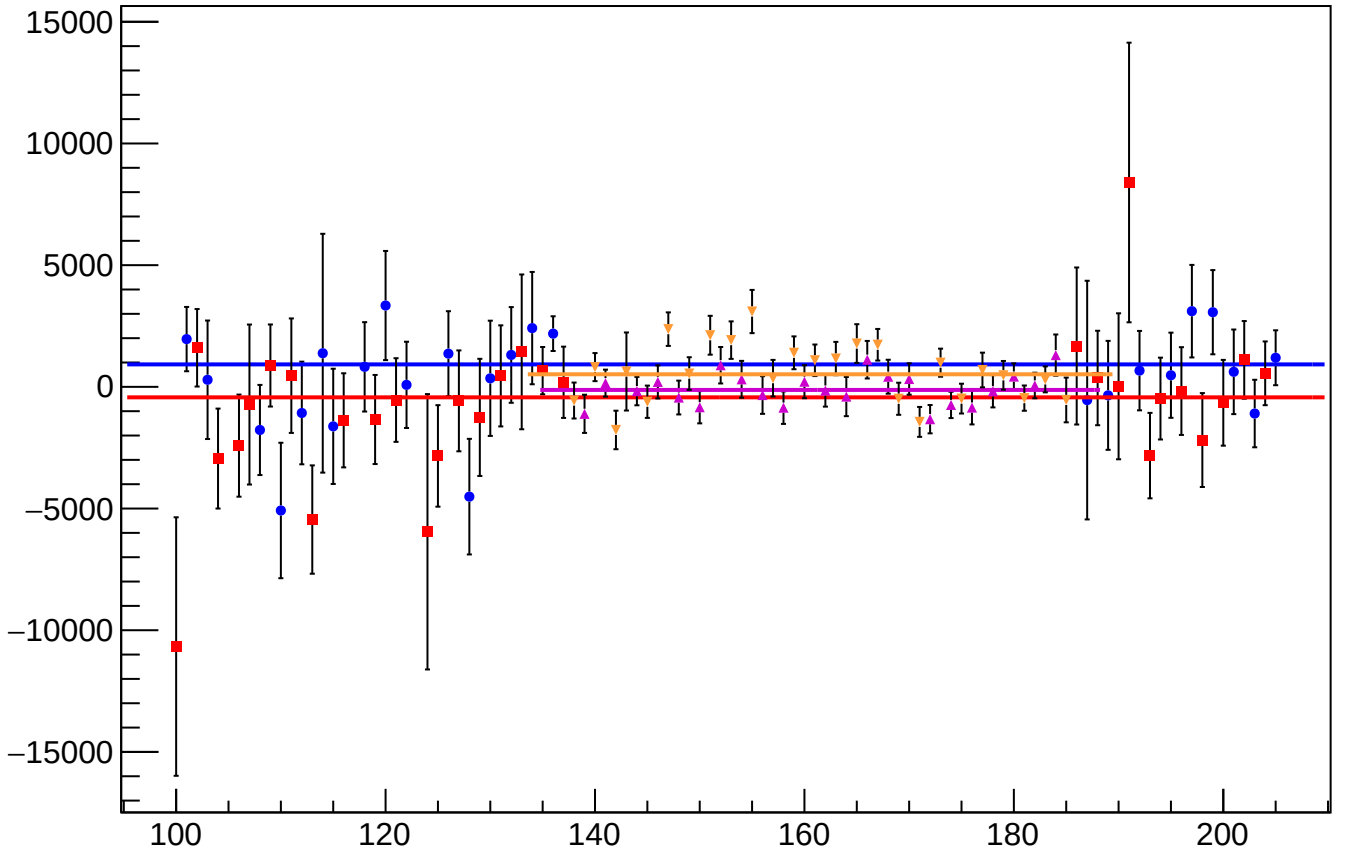
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1272.132+/-0.168 χ^2/NDF: 1001957.7/54

In: 1246.869+/-0.156 χ^2/NDF:571949.5/47

Out: 1257.956+/-0.152 χ^2/NDF:694442.2/54

All: 1252.528+/-0.109 χ^2/NDF: 1268985.7/10



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

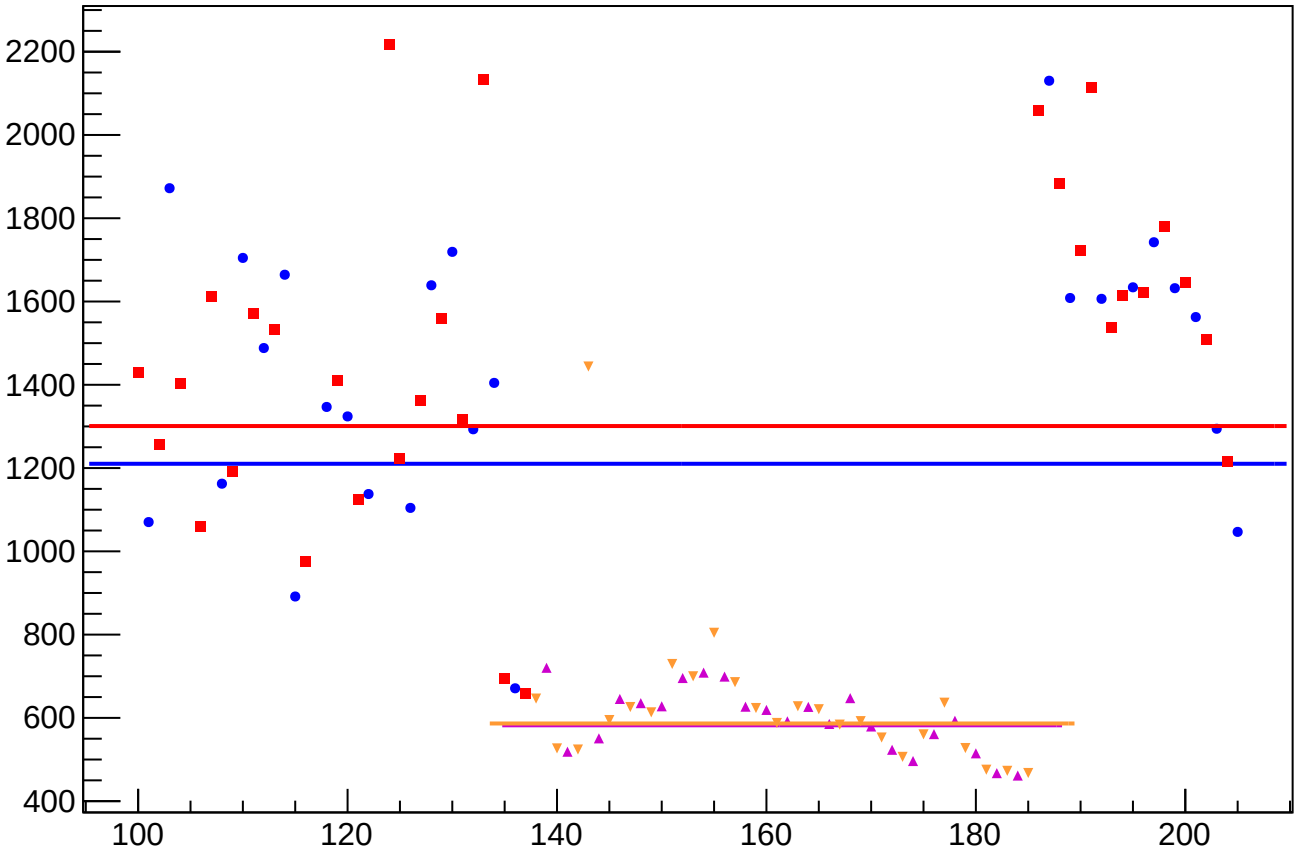
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 266.303+/-243.157 χ^2/NDF: 58.8/54

In: 21.411+/-127.223 χ^2/NDF:55.2/47

Out: 392.358+/-126.521 χ^2/NDF:99.1/54

All: 207.911+/-89.711 χ^2/NDF: 158.6/102



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

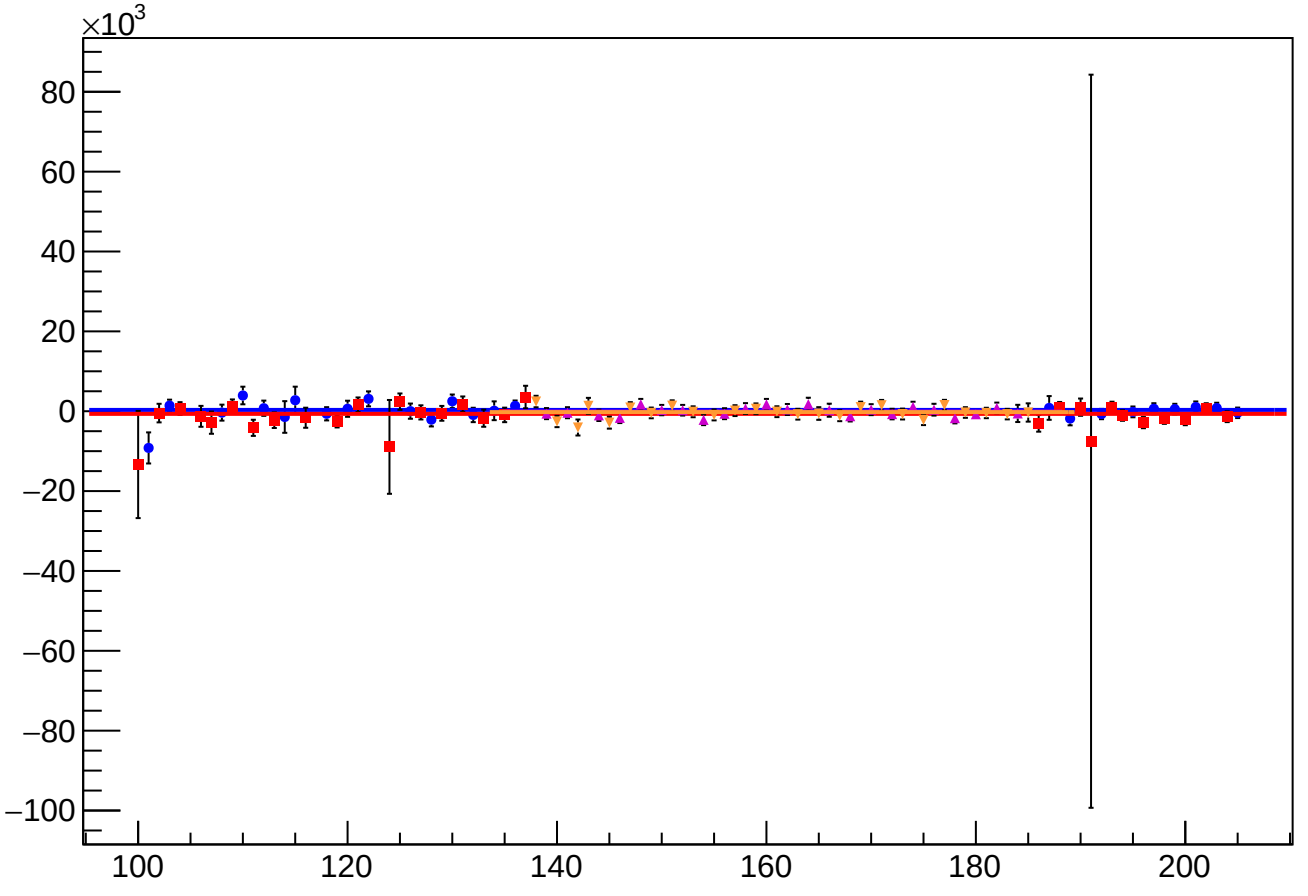
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1254.245+/-0.172 χ^2/NDF: 4871873.8/54

In: 670.736+/-0.090 χ^2/NDF:8907965.6/47

Out: 680.366+/-0.089 χ^2/NDF:10832978.3/54

All: 675.578+/-0.063 χ^2/NDF: 19746705.9/10



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

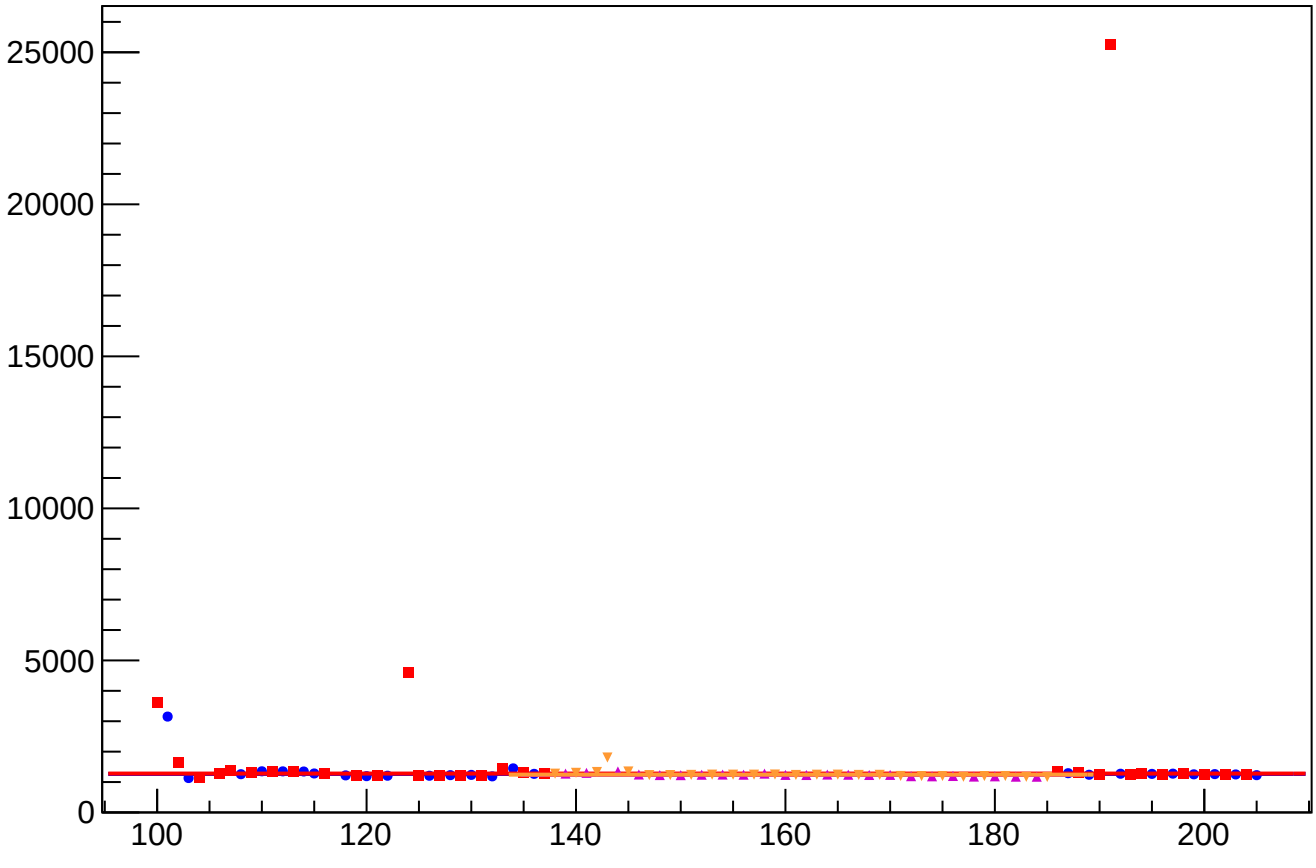
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -178.861+/-237.647 χ^2/NDF: 52.2/54

In: 83.496+/-219.927 χ^2/NDF:36.1/47

Out: -406.557+/-215.409 χ^2/NDF:52.3/54

All: -166.616+/-153.890 χ^2/NDF: 90.9/102



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

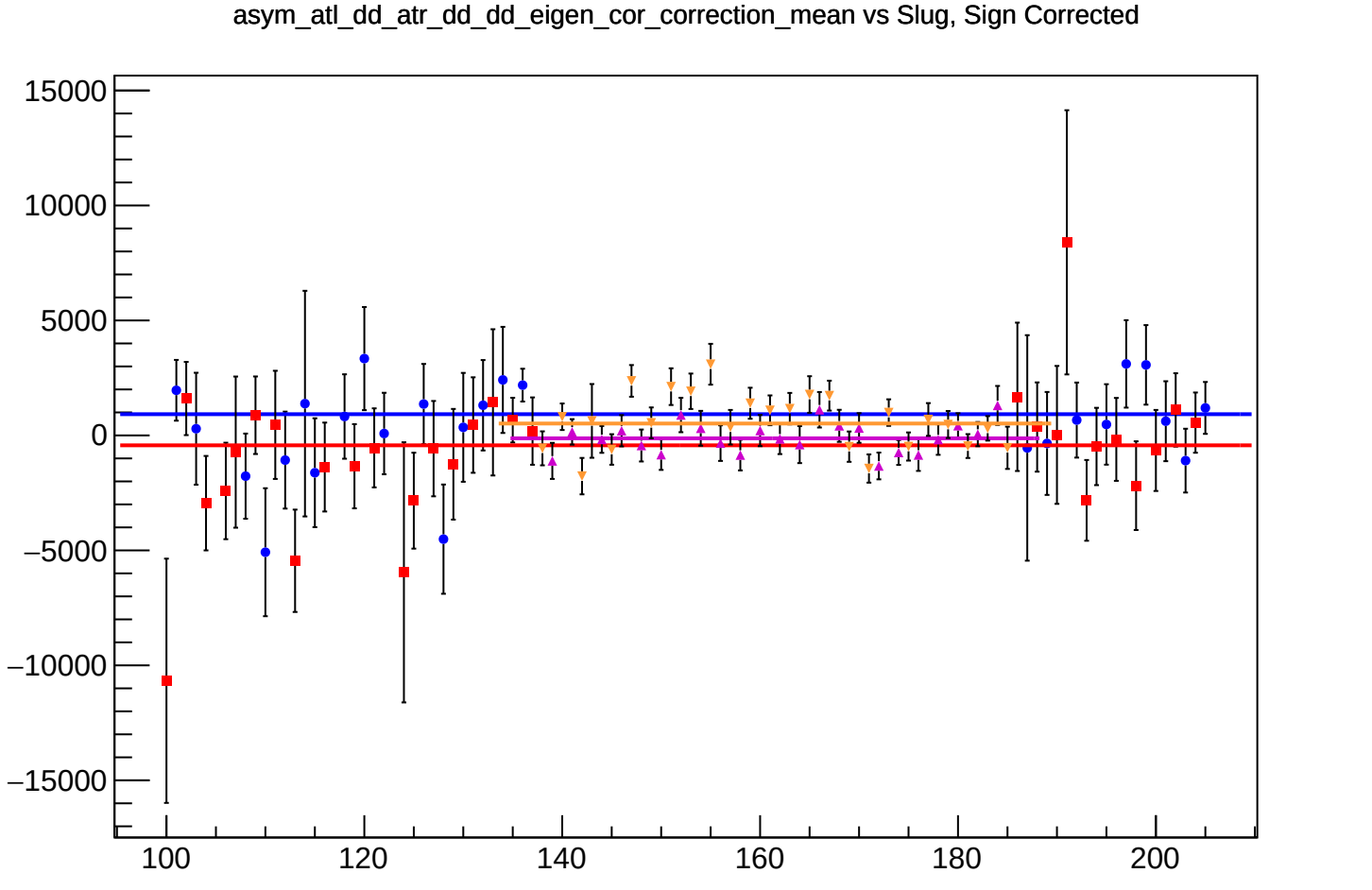
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1272.132+/-0.168 χ^2/NDF: 1001957.7/54

In: 1246.869+/-0.156 χ^2/NDF:571949.5/47

Out: 1257.956+/-0.152 χ^2/NDF:694442.2/54

All: 1252.528+/-0.109 χ^2/NDF: 1268985.7/10



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

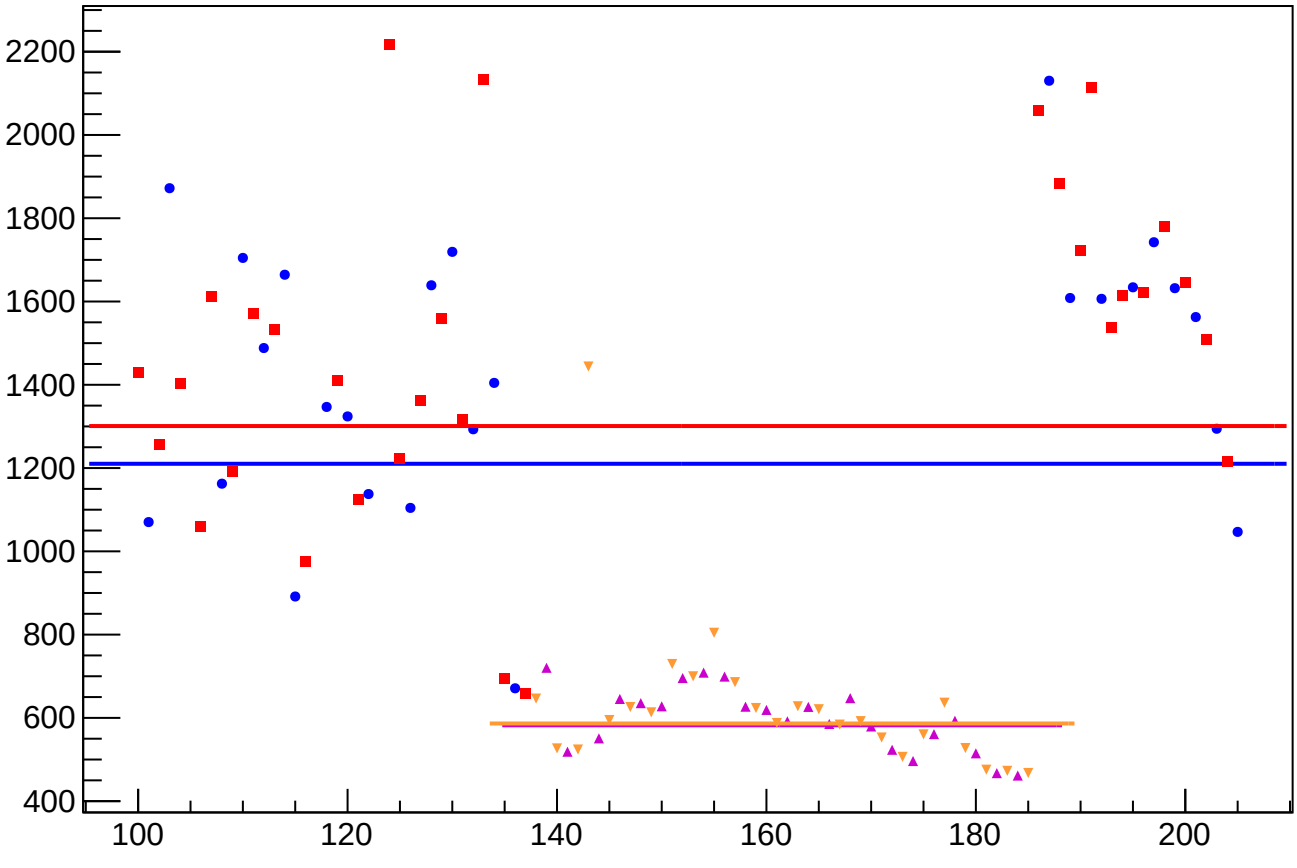
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 266.303+/-243.157 χ^2/NDF: 58.8/54

In: 21.411+/-127.223 χ^2/NDF:55.2/47

Out: 392.358+/-126.521 χ^2/NDF:99.1/54

All: 207.911+/-89.711 χ^2/NDF: 158.6/102



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

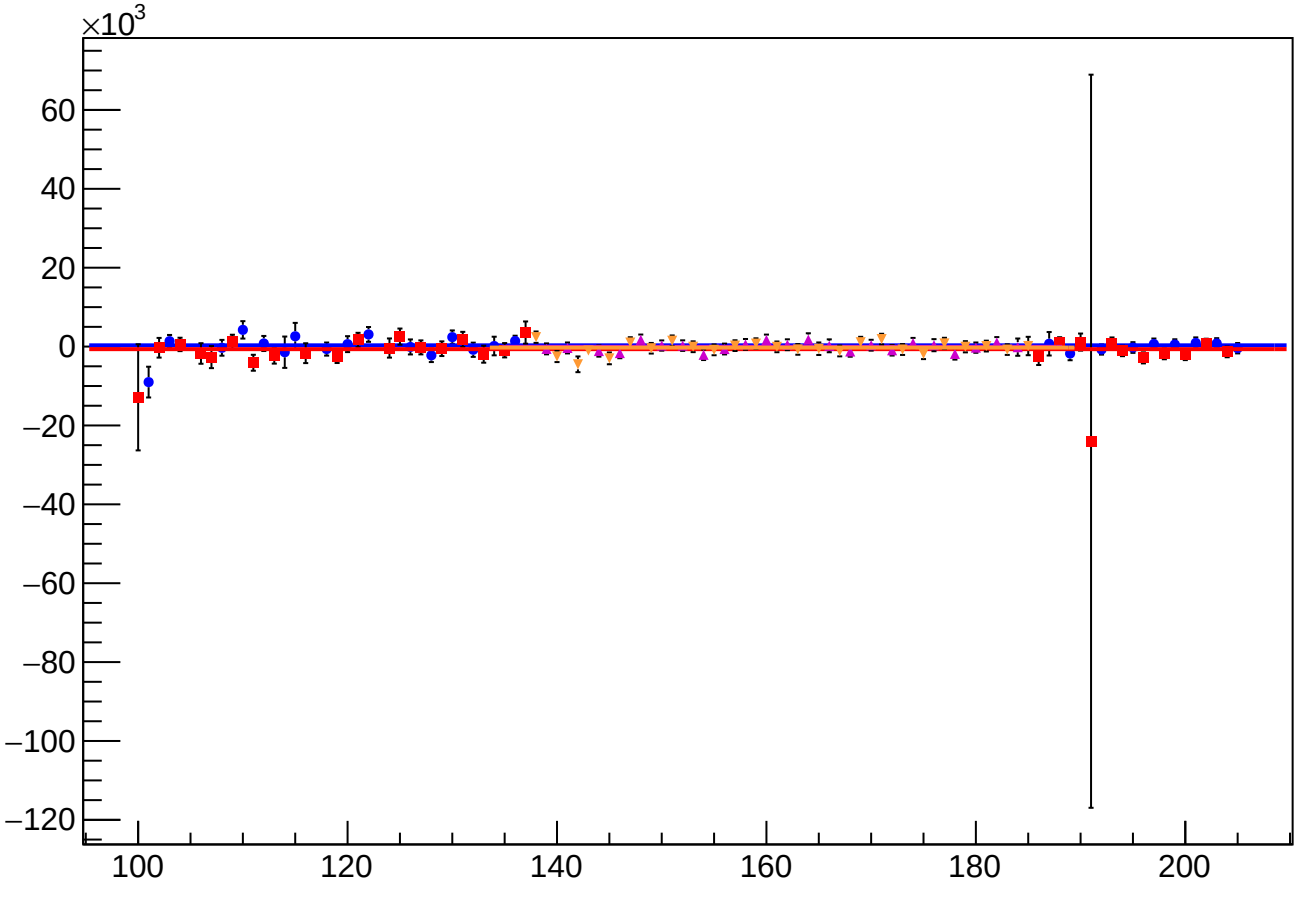
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1254.245+/-0.172 χ^2/NDF: 4871873.8/54

In: 670.736+/-0.090 χ^2/NDF:8907965.6/47

Out: 680.366+/-0.089 χ^2/NDF:10832978.3/54

All: 675.578+/-0.063 χ^2/NDF: 19746705.9/10



Right In: 315.623+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -652.324+/-330.942 χ^2/NDF: 26.8/29

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

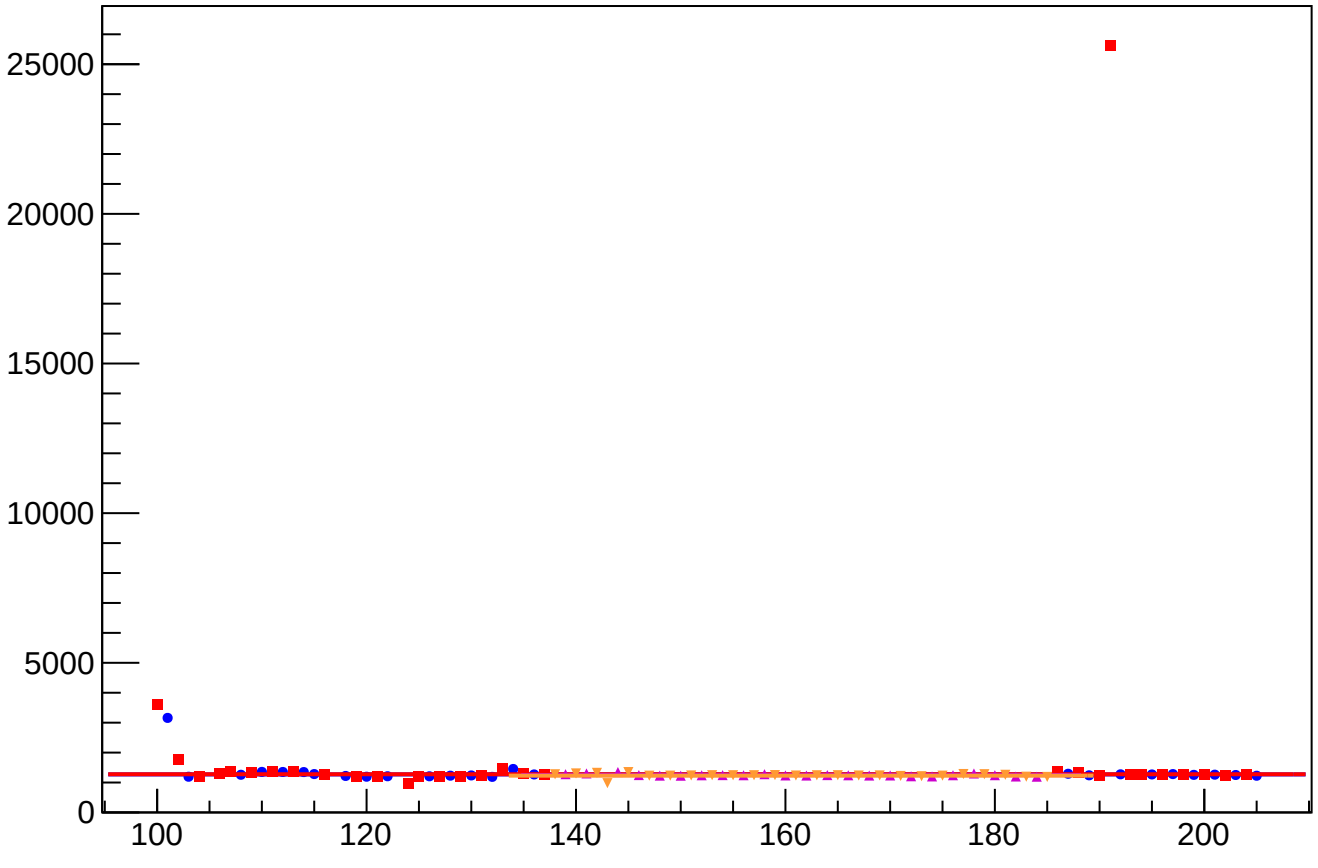
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -183.672+/-237.686 χ^2/NDF: 51.4/54

In: 89.639+/-221.718 χ^2/NDF:35.2/47

Out: -418.288+/-213.723 χ^2/NDF:51.7/54

All: -173.648+/-153.874 χ^2/NDF: 89.6/102



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.0/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1276.606+/-0.234 χ^2/NDF: 370183.0/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

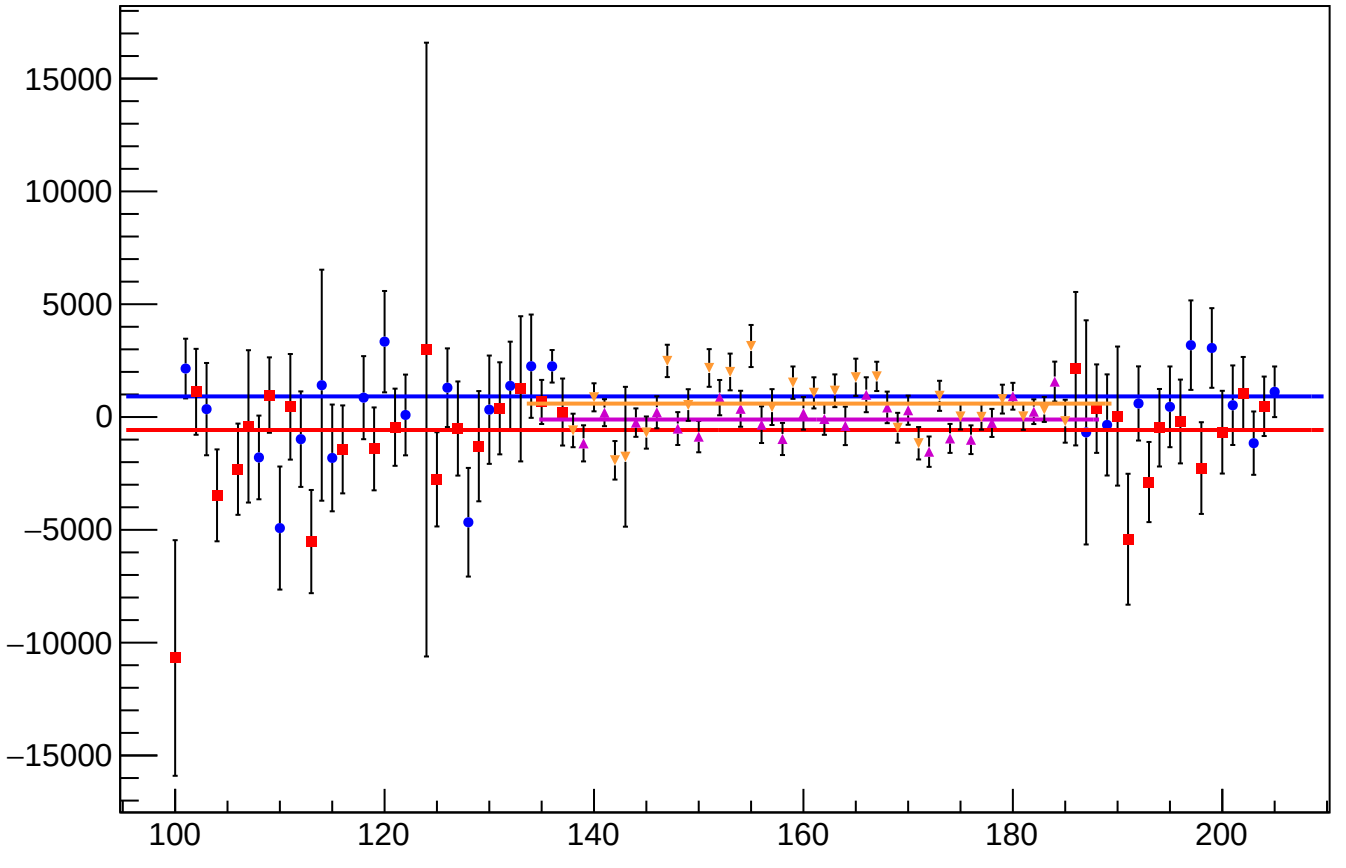
Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

Right: 1273.540+/-0.168 χ^2/NDF: 882373.4/54

In: 1257.260+/-0.157 χ^2/NDF:544193.5/47

Out: 1249.429+/-0.151 χ^2/NDF:534926.6/54

All: 1253.201+/-0.109 χ^2/NDF: 1080413.2/10



Right In: 913.813+/-339.981 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -574.936+/-353.530 χ^2/NDF: 24.9/29

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

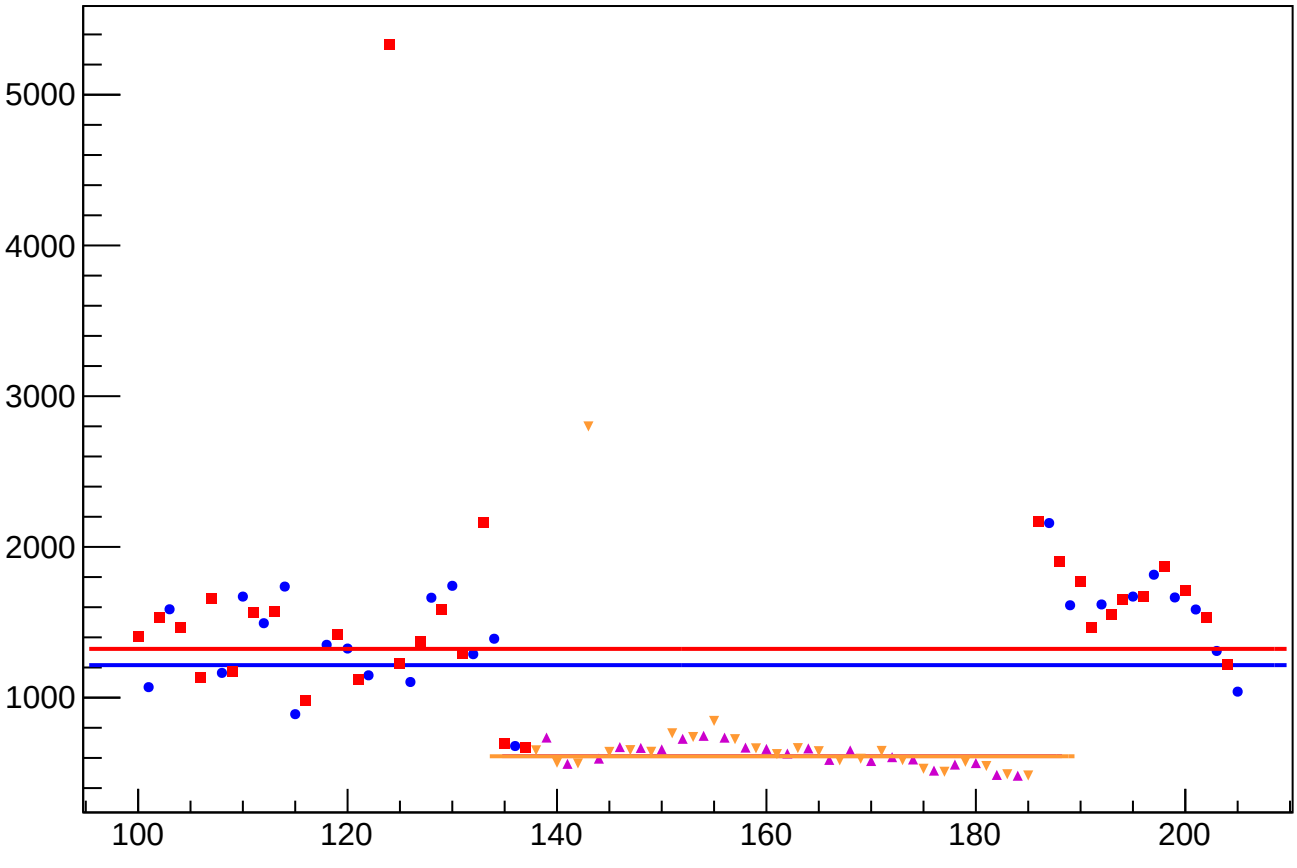
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 198.513+/-245.053 χ^2/NDF: 60.1/54

In: 45.944+/-132.778 χ^2/NDF:59.4/47

Out: 432.214+/-131.872 χ^2/NDF:91.6/54

All: 240.401+/-93.566 χ^2/NDF: 155.3/102



Right In: 1215.679+/-0.240 χ^2/NDF: 2396296.4/24

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1323.525+/-0.250 χ^2/NDF: 2574408.4/29

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

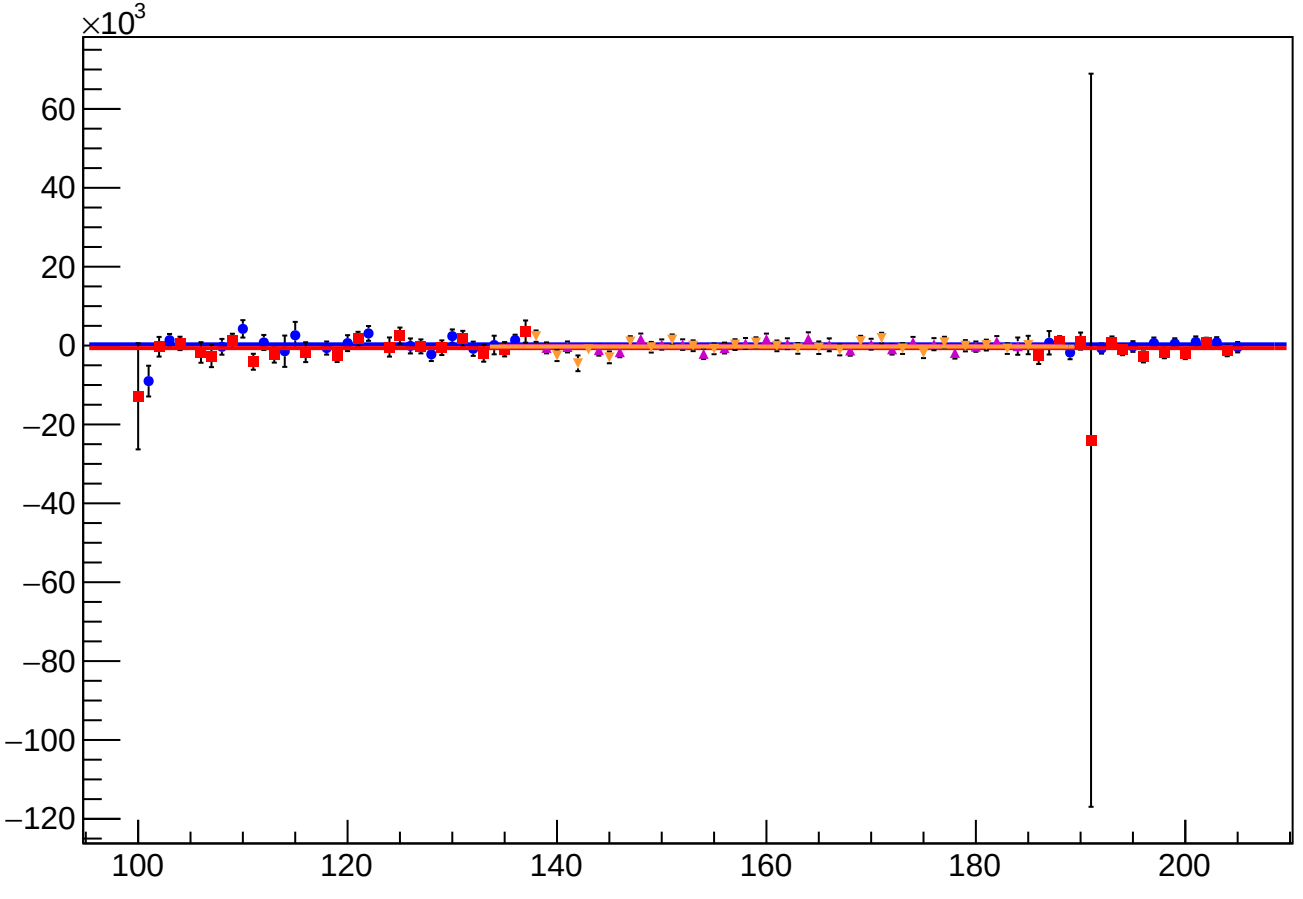
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1267.496+/-0.173 χ^2/NDF: 5067397.1/54

In: 704.415+/-0.094 χ^2/NDF:8241756.0/47

Out: 710.216+/-0.093 χ^2/NDF:11185772.0/54

All: 707.335+/-0.066 χ^2/NDF: 19429449.9/10



Right In: 315.624+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -652.325+/-330.942 χ^2/NDF: 26.8/29

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

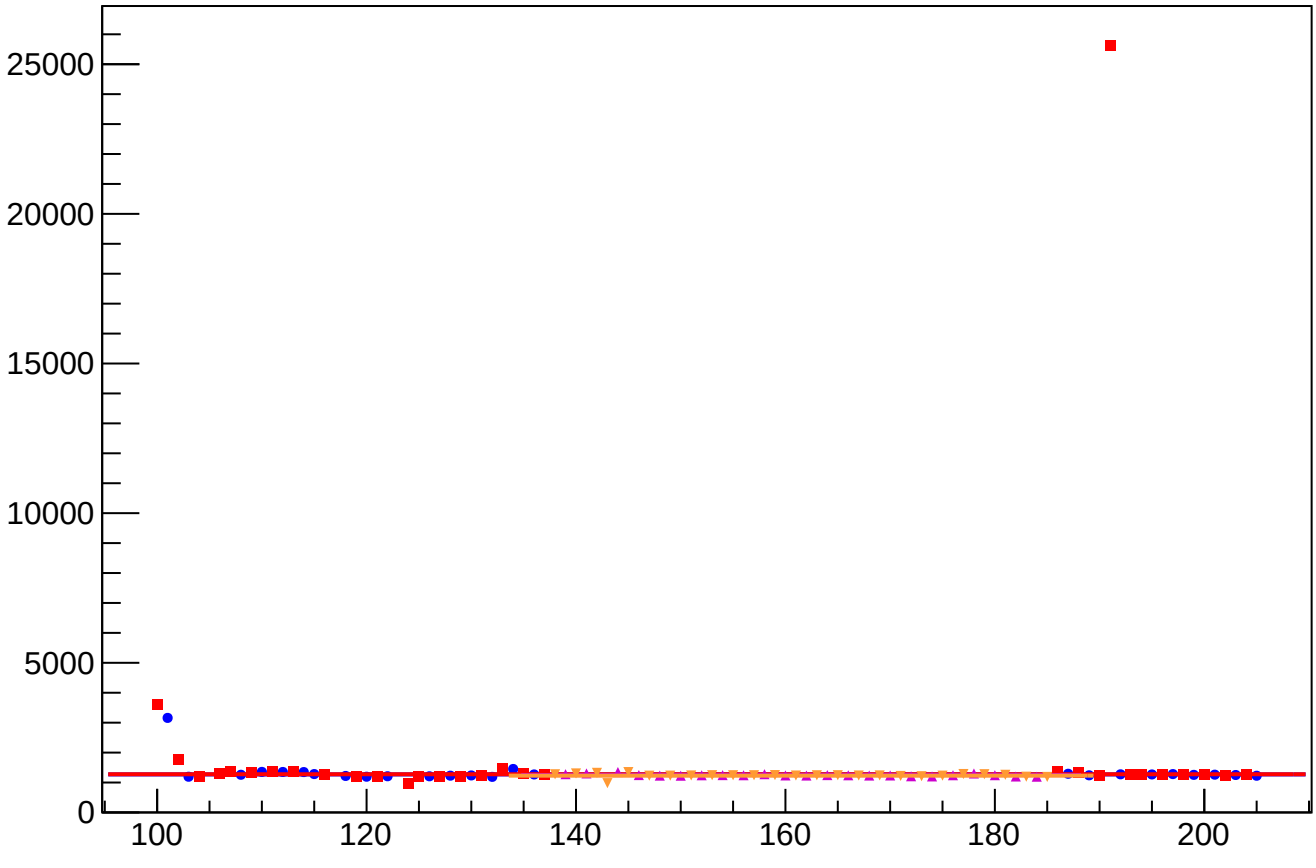
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -183.671+/-237.686 χ^2/NDF: 51.4/54

In: 89.640+/-221.718 χ^2/NDF:35.2/47

Out: -418.289+/-213.723 χ^2/NDF:51.7/54

All: -173.648+/-153.874 χ^2/NDF: 89.6/102



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.1/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1276.606+/-0.234 χ^2/NDF: 370182.9/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

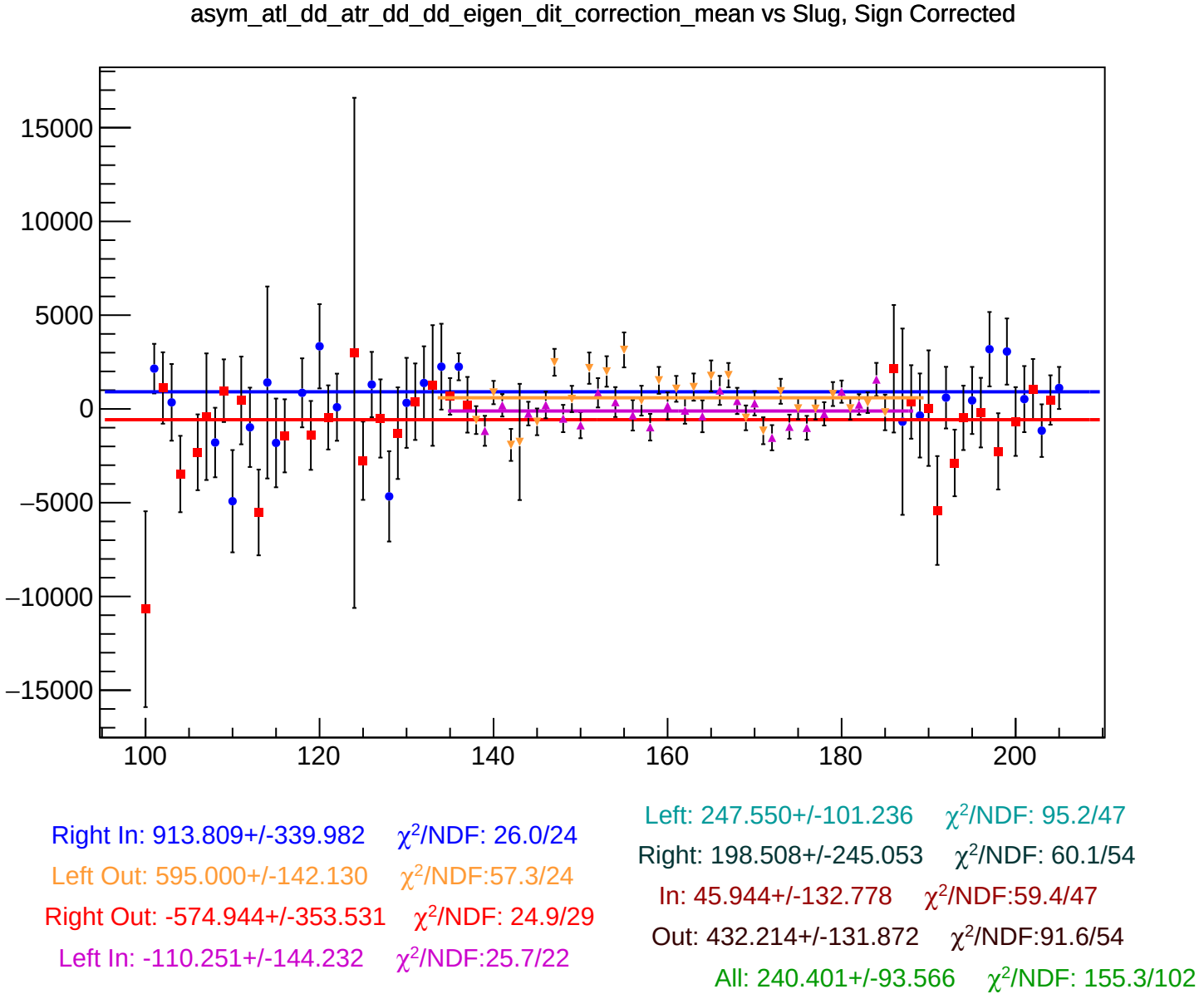
Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

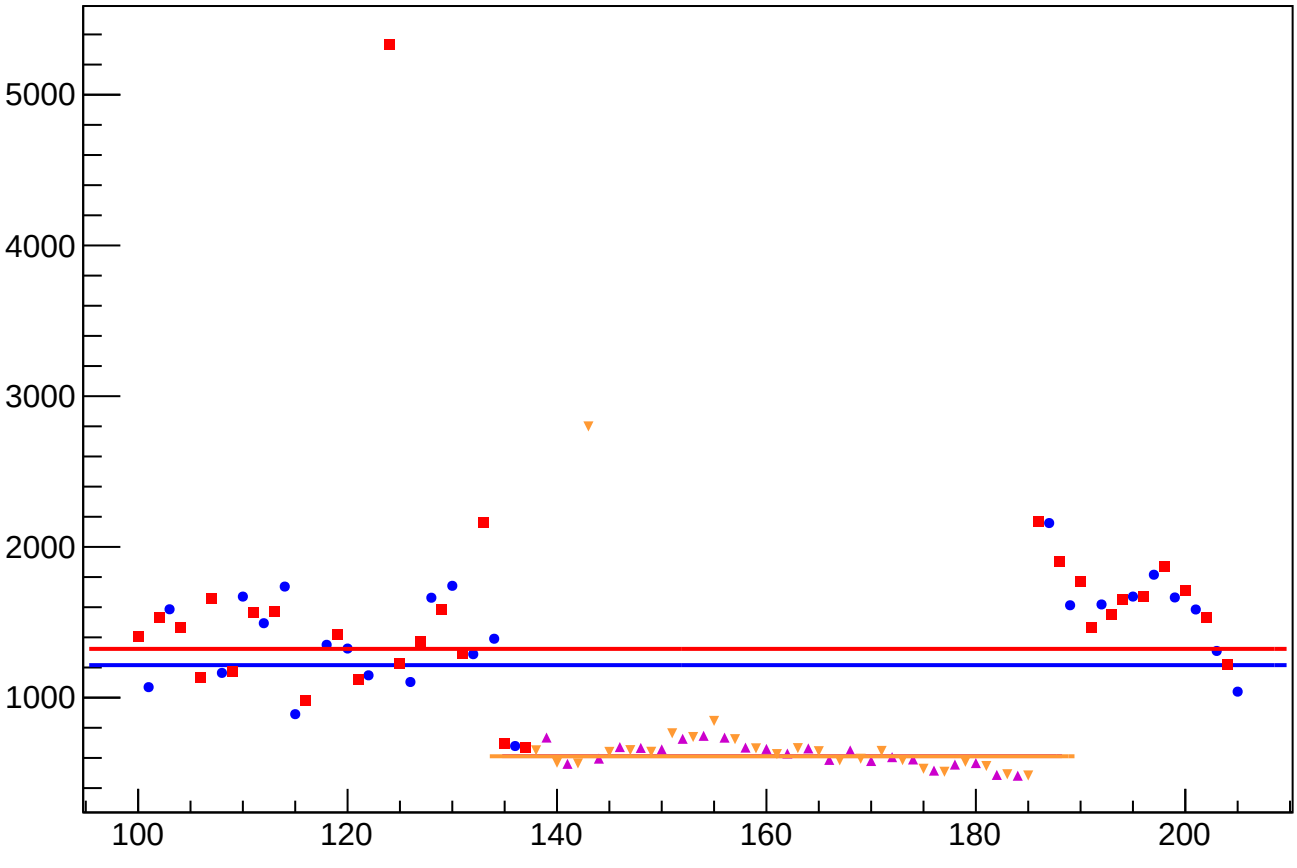
Right: 1273.540+/-0.168 χ^2/NDF: 882373.4/54

In: 1257.260+/-0.157 χ^2/NDF:544193.6/47

Out: 1249.429+/-0.151 χ^2/NDF:534925.6/54

All: 1253.201+/-0.109 χ^2/NDF: 1080412.2/10


asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: 913.809+/-339.982 χ²/NDF: 26.0/24
Left Out: 595.000+/-142.130 χ²/NDF:57.3/24
Right Out: -574.944+/-353.531 χ²/NDF: 24.9/29
Left In: -110.251+/-144.232 χ²/NDF:25.7/22
Left: 247.550+/-101.236 χ²/NDF: 95.2/47
Right: 198.508+/-245.053 χ²/NDF: 60.1/54
In: 45.944+/-132.778 χ²/NDF:59.4/47
Out: 432.214+/-131.872 χ²/NDF:91.6/54
All: 240.401+/-93.566 χ²/NDF: 155.3/102



Right In: 1215.683+/-0.240 χ^2/NDF: 2396224.4/24

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1323.530+/-0.250 χ^2/NDF: 2574331.0/29

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

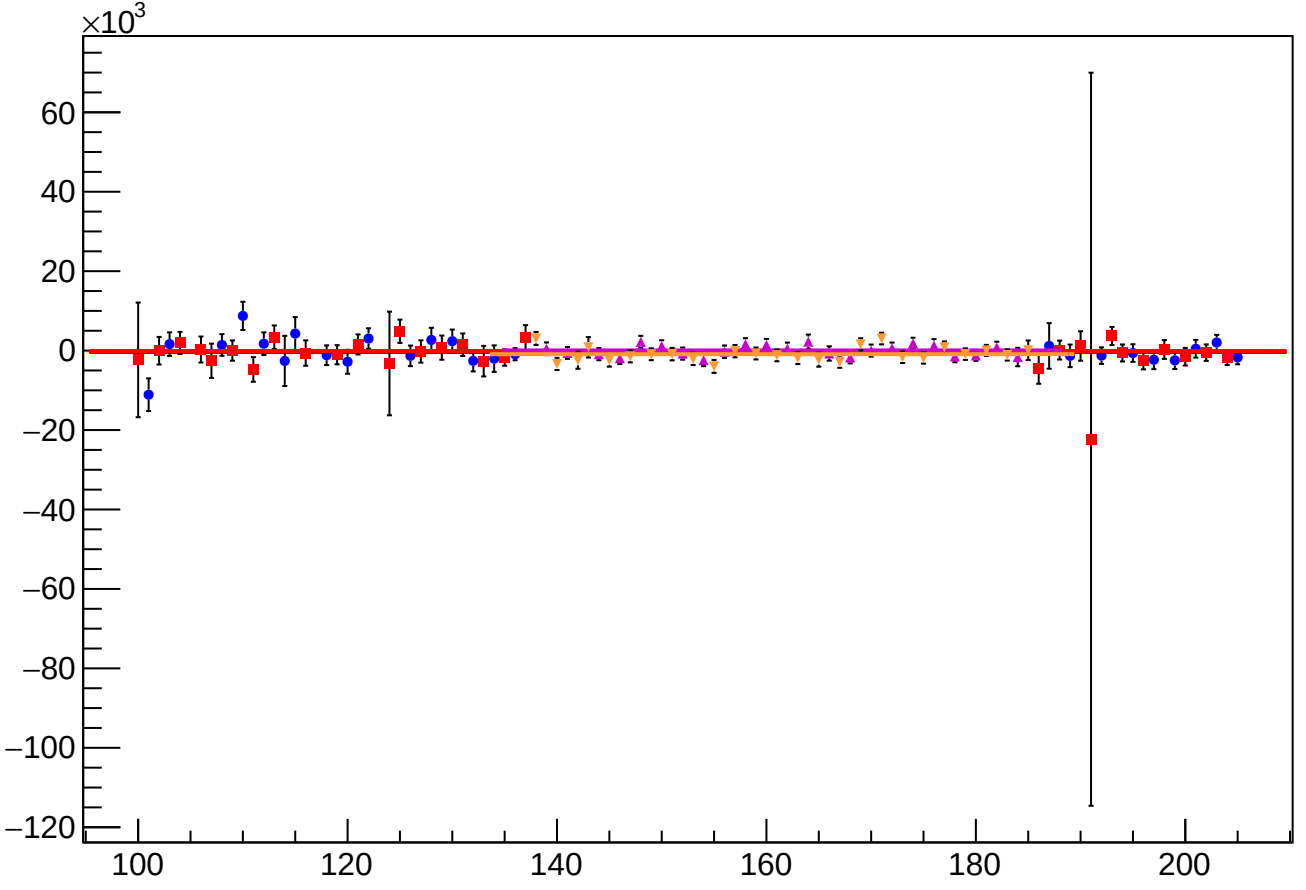
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1267.500+/-0.173 χ^2/NDF: 5067249.8/54

In: 704.414+/-0.094 χ^2/NDF:8241751.6/47

Out: 710.216+/-0.093 χ^2/NDF:11185769.1/54

All: 707.335+/-0.066 χ^2/NDF: 19429442.9/10



Right In: -312.564+/-511.490 χ^2/NDF: 26.0/24

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -103.218+/-509.365 χ^2/NDF: 17.2/29

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

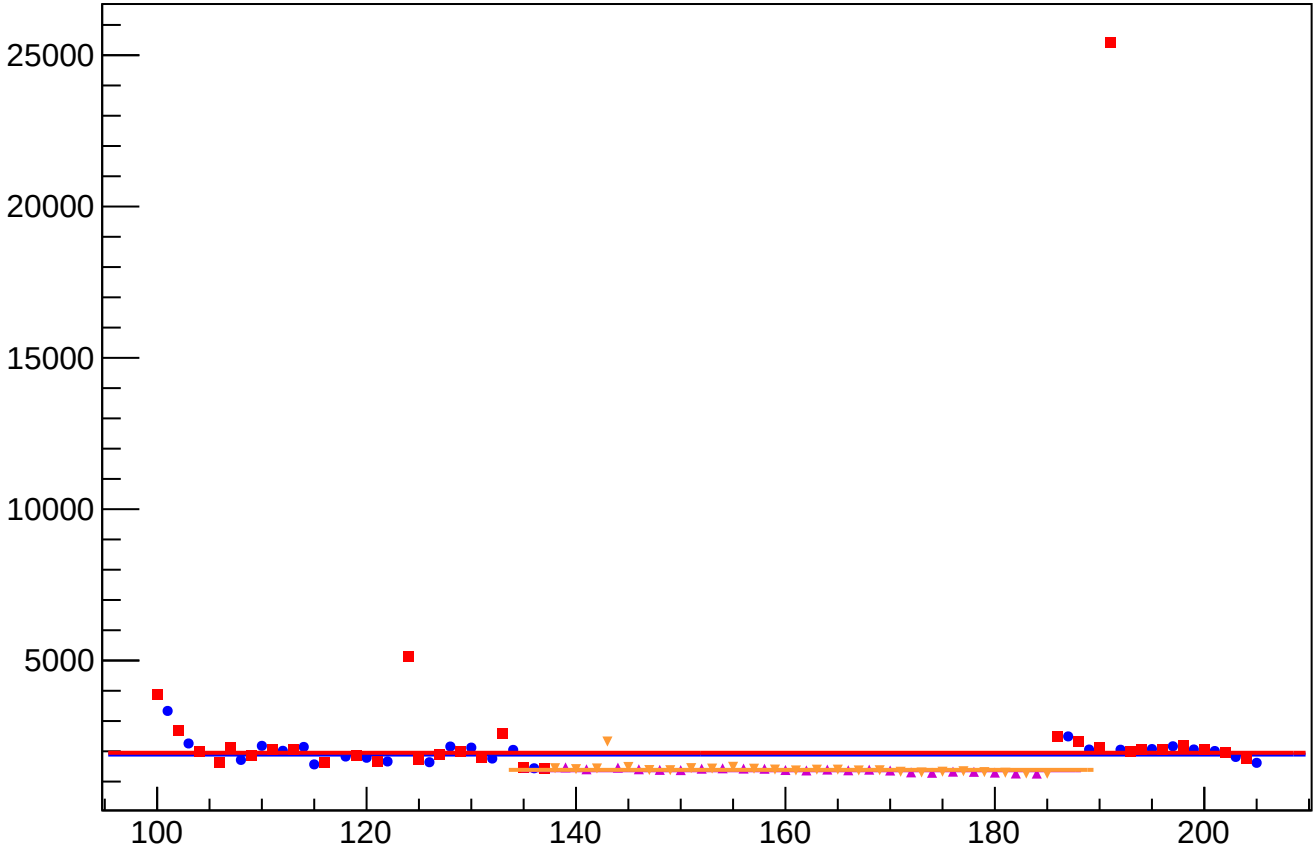
Right: -207.455+/-360.925 χ^2/NDF: 43.2/54

In: -53.723+/-271.849 χ^2/NDF:44.2/47

Out: -678.035+/-268.799 χ^2/NDF:48.7/54

All: -369.401+/-191.139 χ^2/NDF: 95.6/102

asym_atl_dd_atr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1892.440+/-0.362 χ^2/NDF: 719414.2/24

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1951.348+/-0.360 χ^2/NDF: 836306.3/29

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

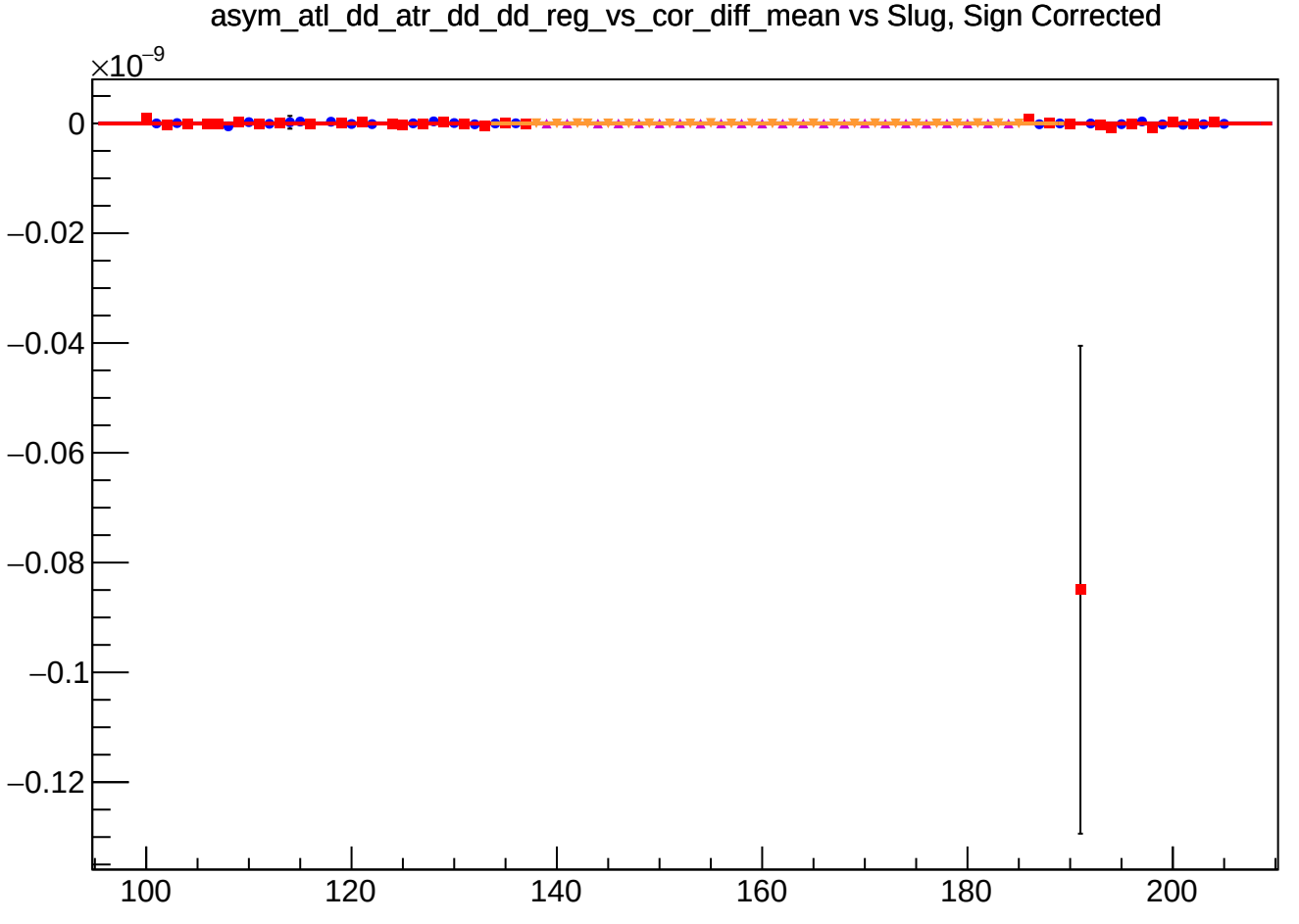
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1922.017+/-0.255 χ^2/NDF: 1569039.8/54

In: 1519.884+/-0.192 χ^2/NDF:2262656.7/47

Out: 1544.050+/-0.190 χ^2/NDF:2948478.7/54

All: 1532.103+/-0.135 χ^2/NDF: 5219126.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

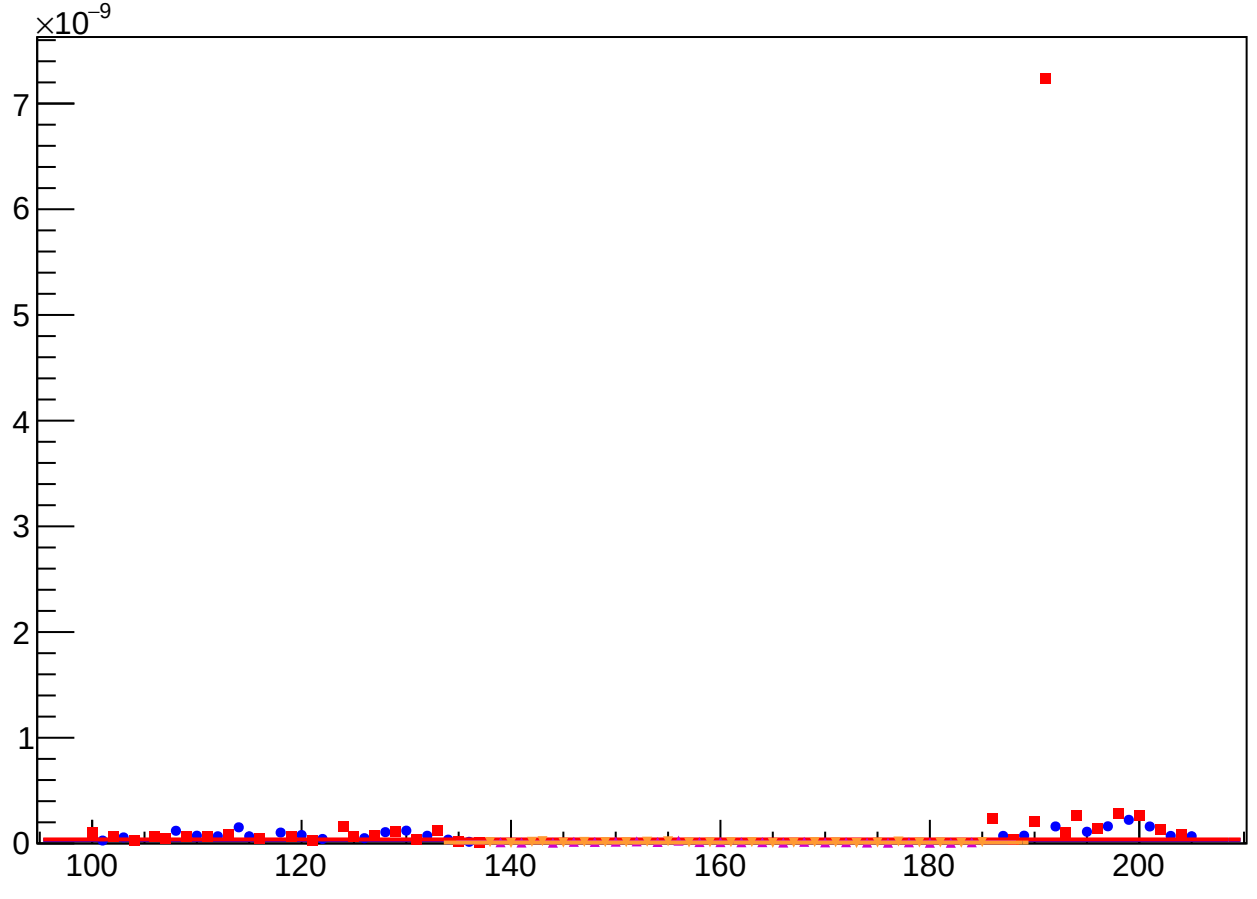
Right: -0.000+/-0.000 χ^2/NDF: 69.2/54

In: 0.000+/-0.000 χ^2/NDF:35.9/47

Out: 0.000+/-0.000 χ^2/NDF:71.7/54

All: 0.000+/-0.000 χ^2/NDF: 107.6/102

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5589797.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6192051.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

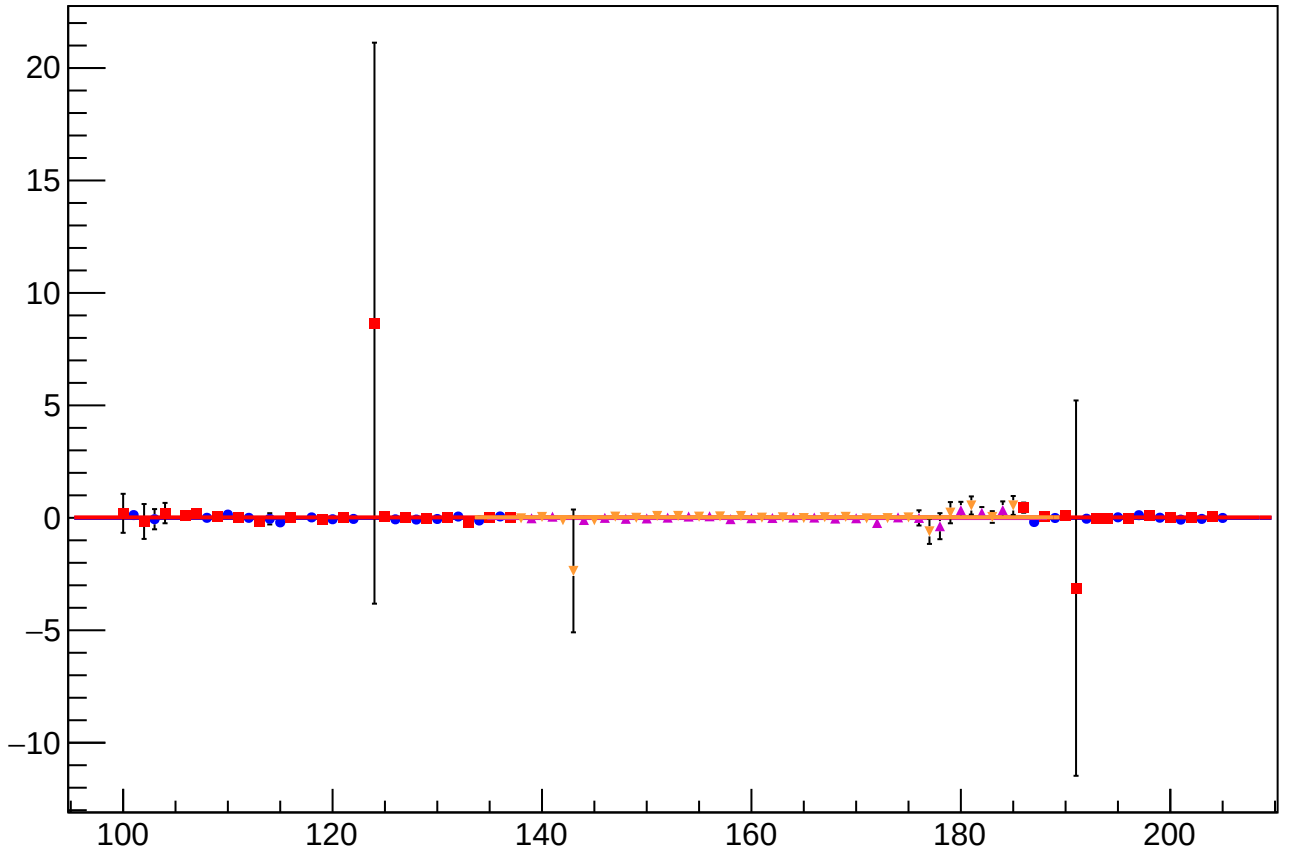
Left: 0.000+/-0.000 χ^2/NDF: 3597627.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11865454.5/54

In: 0.000+/-0.000 χ^2/NDF:9551877.2/47

Out: 0.000+/-0.000 χ^2/NDF:12215483.7/54

All: 0.000+/-0.000 χ^2/NDF: 22057576.3/102



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

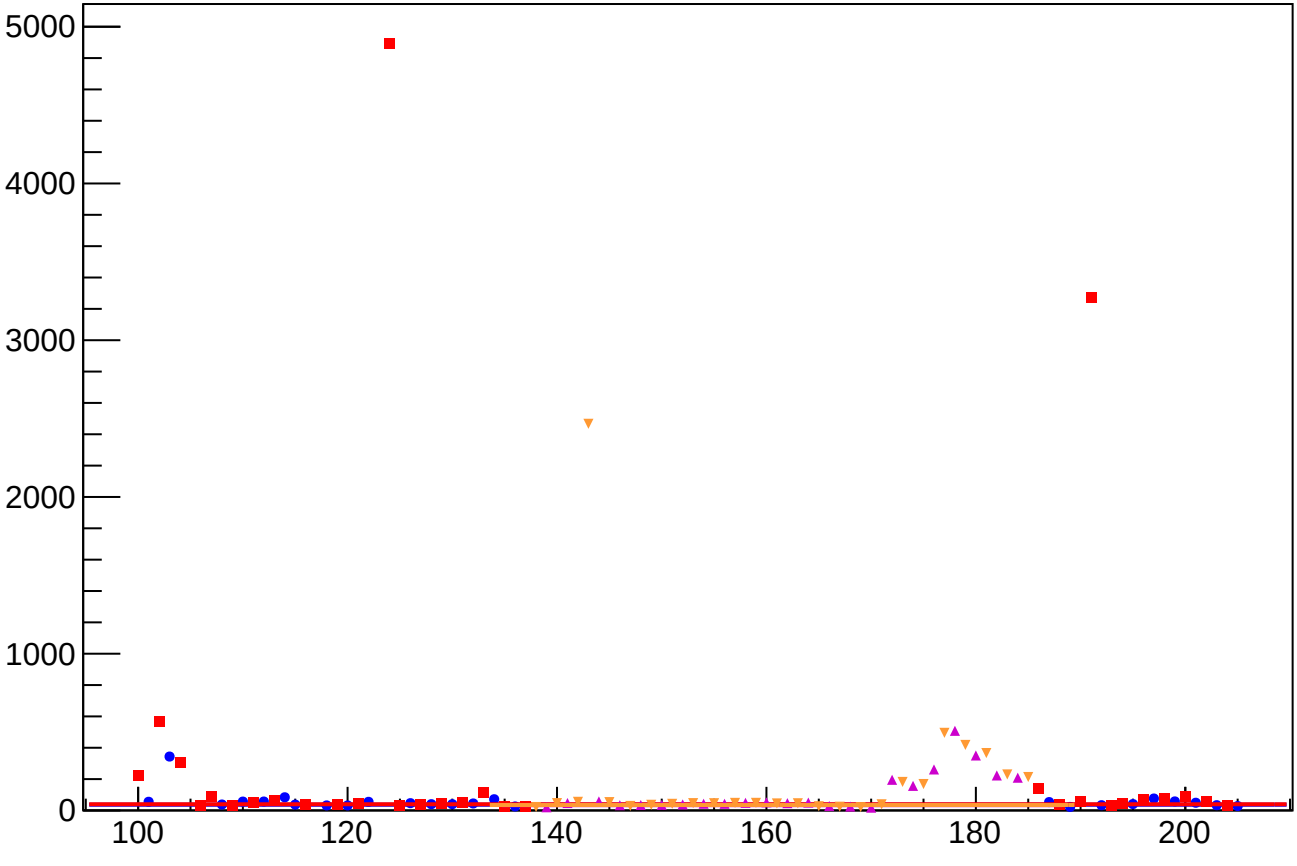
Right: 0.006+/-0.008 χ^2/NDF: 52.3/54

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.006+/-0.005 χ^2/NDF: 95.3/102

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

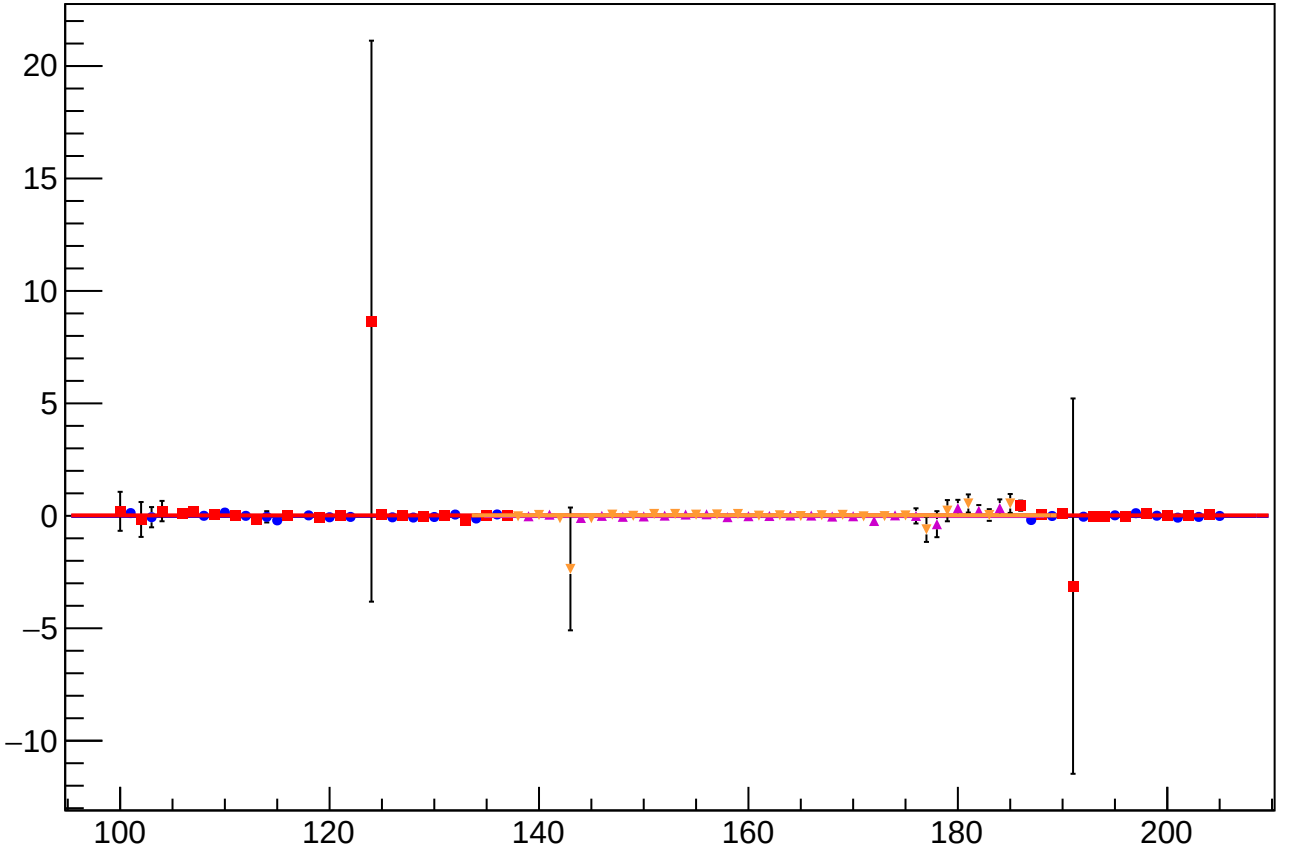
Right: 37.934+/-0.006 χ^2/NDF: 8809115.4/54

In: 34.879+/-0.005 χ^2/NDF:13292345.4/47

Out: 36.684+/-0.006 χ^2/NDF:17190023.9/54

All: 35.738+/-0.004 χ^2/NDF: 30538376.3/102

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

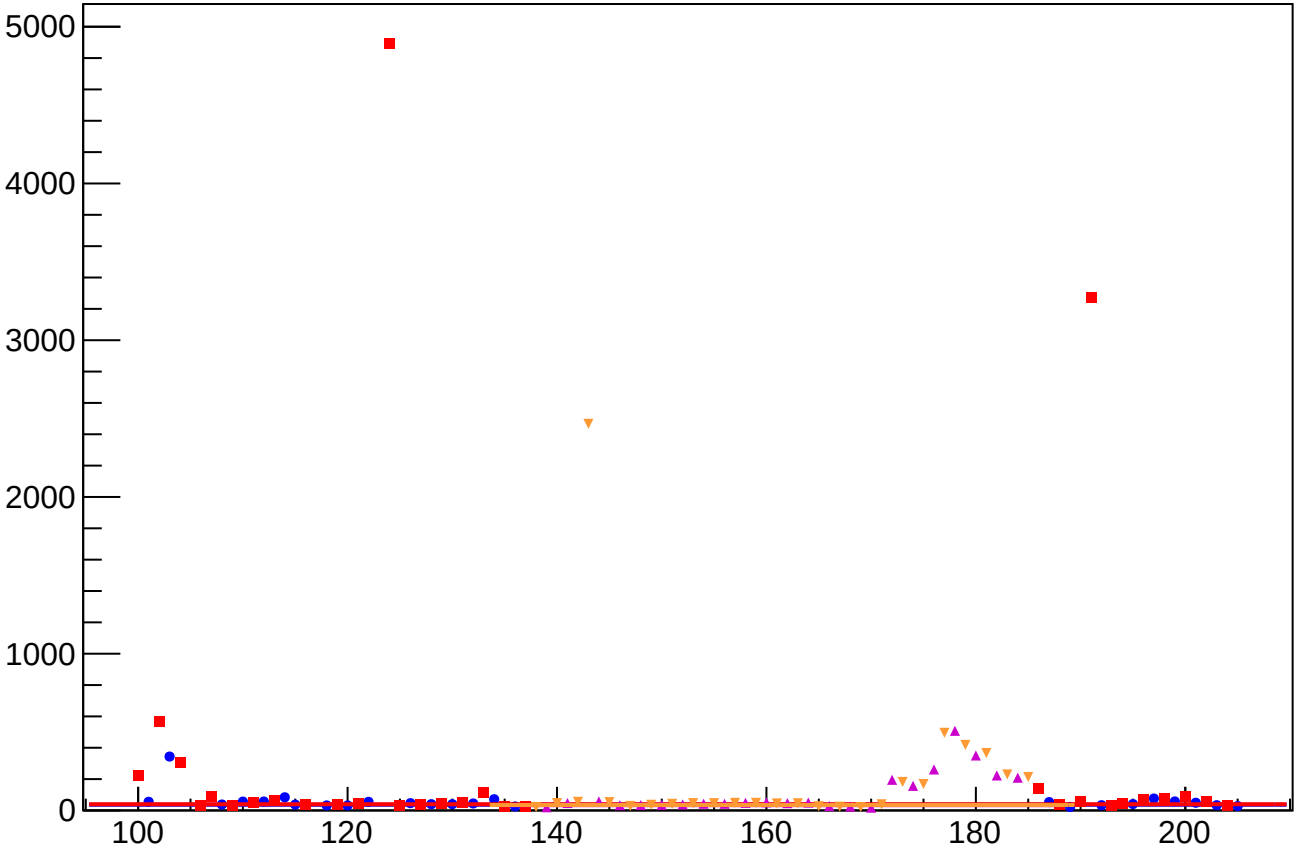
Right: 0.006+/-0.008 χ^2/NDF: 52.3/54

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.006+/-0.005 χ^2/NDF: 95.3/102

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

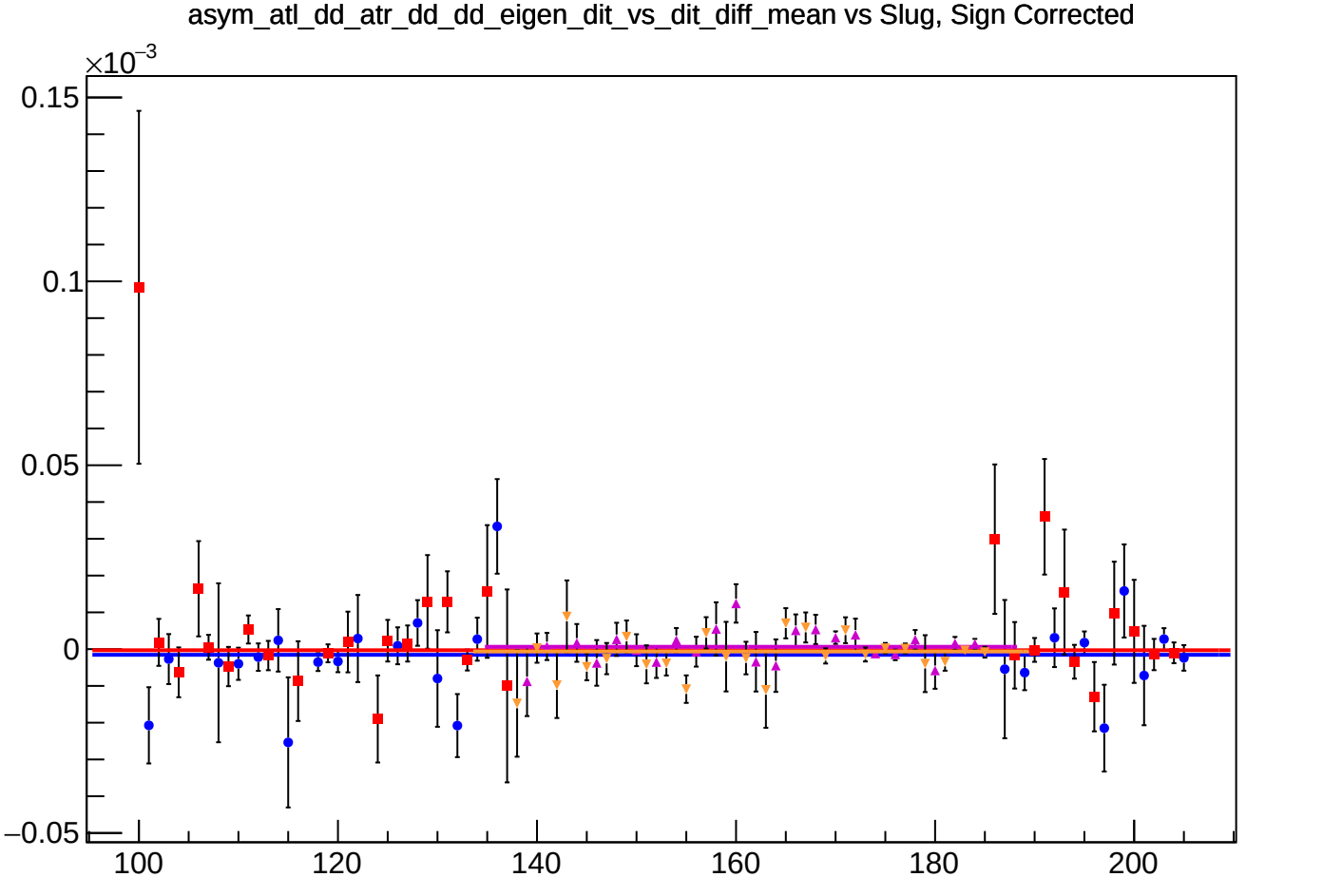
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.934+/-0.006 χ^2/NDF: 8809115.4/54

In: 34.879+/-0.005 χ^2/NDF:13292345.4/47

Out: 36.684+/-0.006 χ^2/NDF:17190023.9/54

All: 35.738+/-0.004 χ^2/NDF: 30538376.3/102



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/29

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

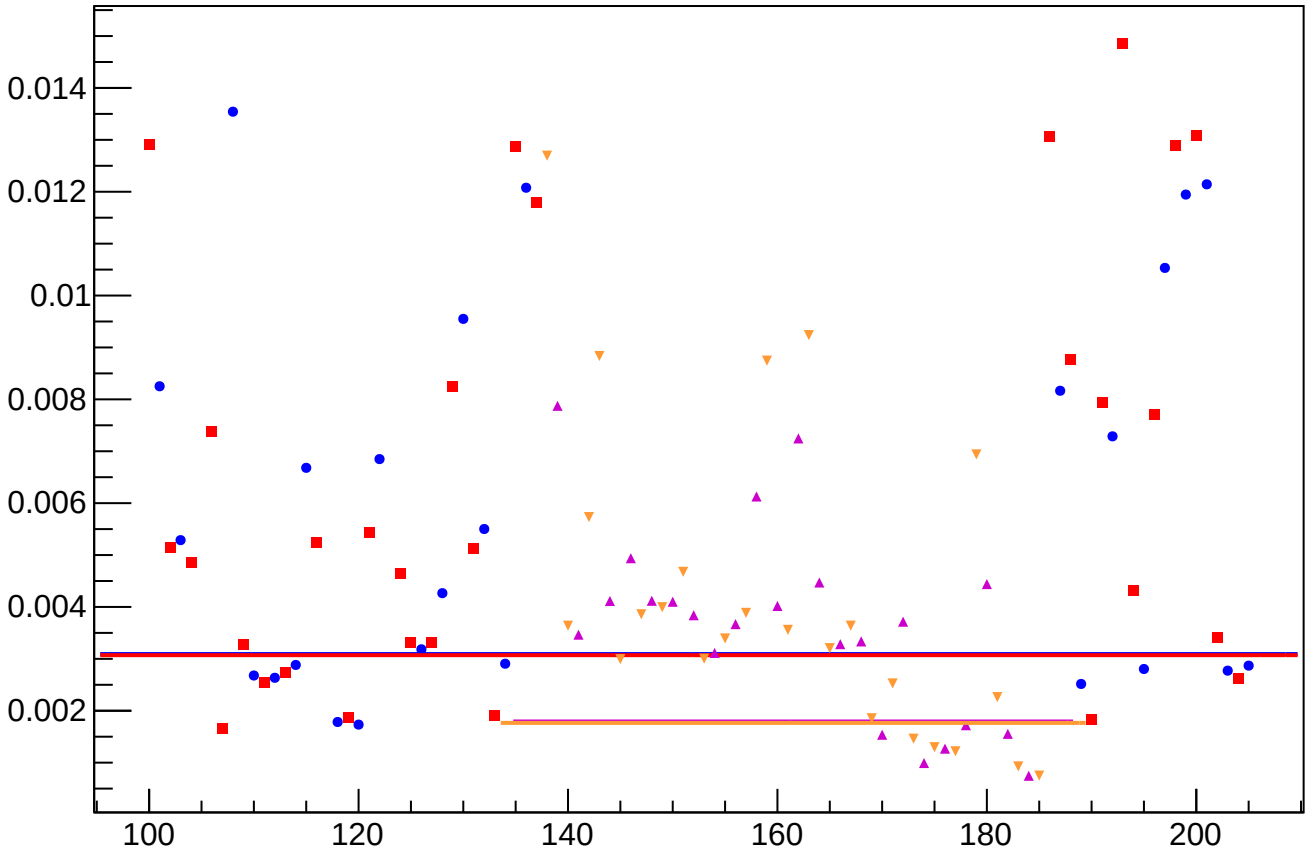
Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

Right: -0.000+/-0.000 χ^2/NDF: 63.2/54

In: 0.000+/-0.000 χ^2/NDF:57.5/47

Out: -0.000+/-0.000 χ^2/NDF:58.8/54

All: -0.000+/-0.000 χ^2/NDF: 117.5/102



Right In: 0.003+/-0.000 χ^2/NDF: 7654486.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8865729.6/29

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

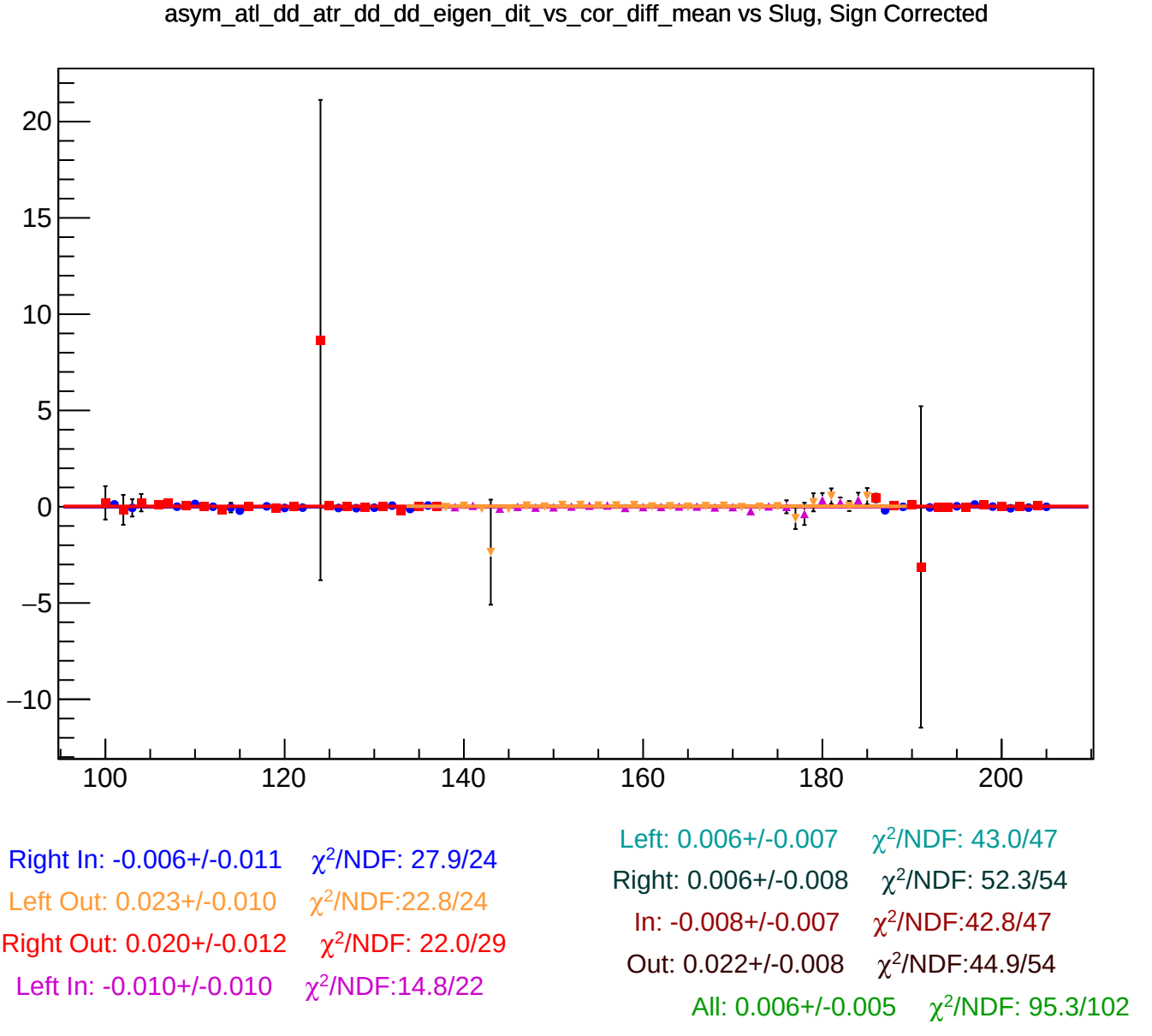
Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

Right: 0.003+/-0.000 χ^2/NDF: 16520671.5/54

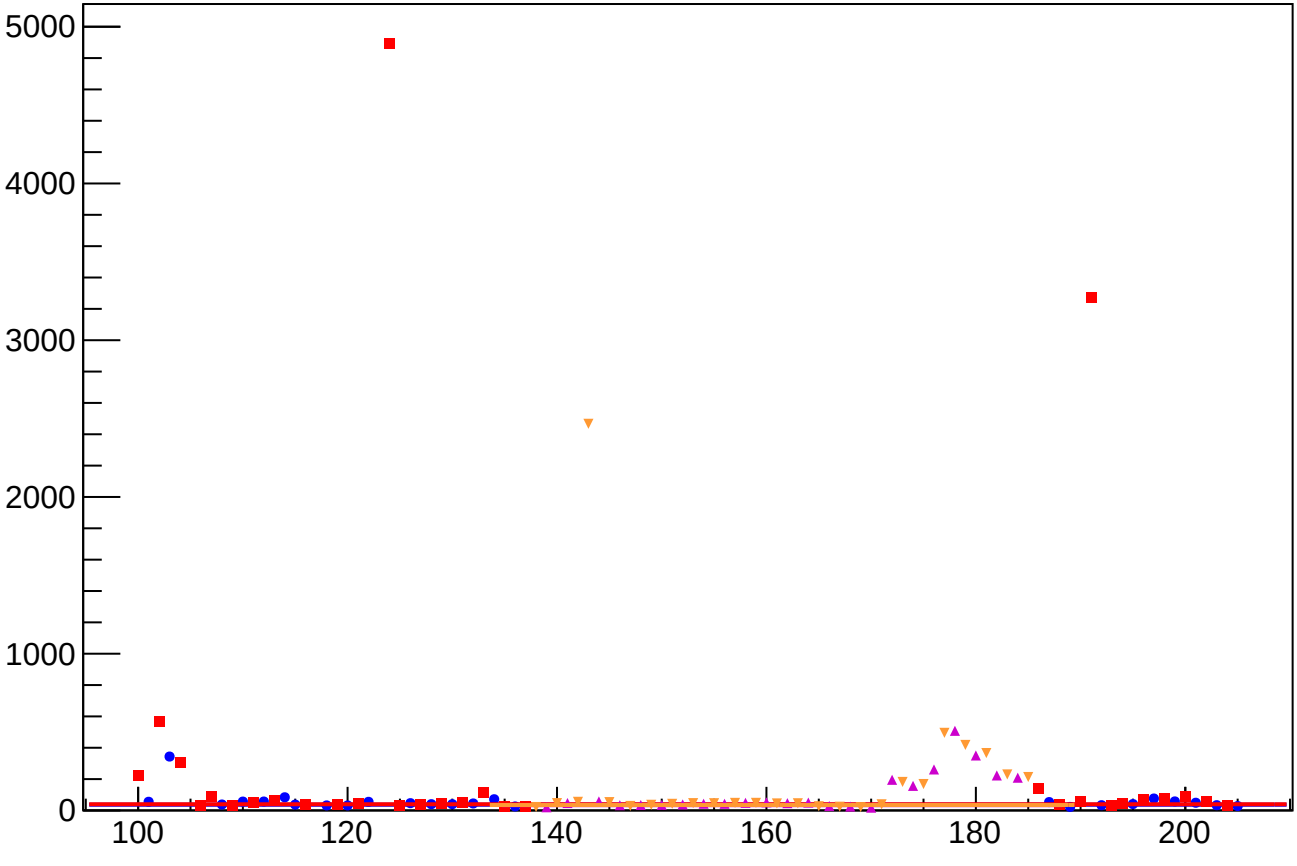
In: 0.002+/-0.000 χ^2/NDF:20965279.7/47

Out: 0.002+/-0.000 χ^2/NDF:24680057.2/54

All: 0.002+/-0.000 χ^2/NDF: 45648694.6/102


asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: -0.006+/-0.011 χ²/NDF: 27.9/24
Left Out: 0.023+/-0.010 χ²/NDF:22.8/24
Right Out: 0.020+/-0.012 χ²/NDF: 22.0/29
Left In: -0.010+/-0.010 χ²/NDF:14.8/22
Left: 0.006+/-0.007 χ²/NDF: 43.0/47
Right: 0.006+/-0.008 χ²/NDF: 52.3/54
In: -0.008+/-0.007 χ²/NDF:42.8/47
Out: 0.022+/-0.008 χ²/NDF:44.9/54
All: 0.006+/-0.005 χ²/NDF: 95.3/102

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

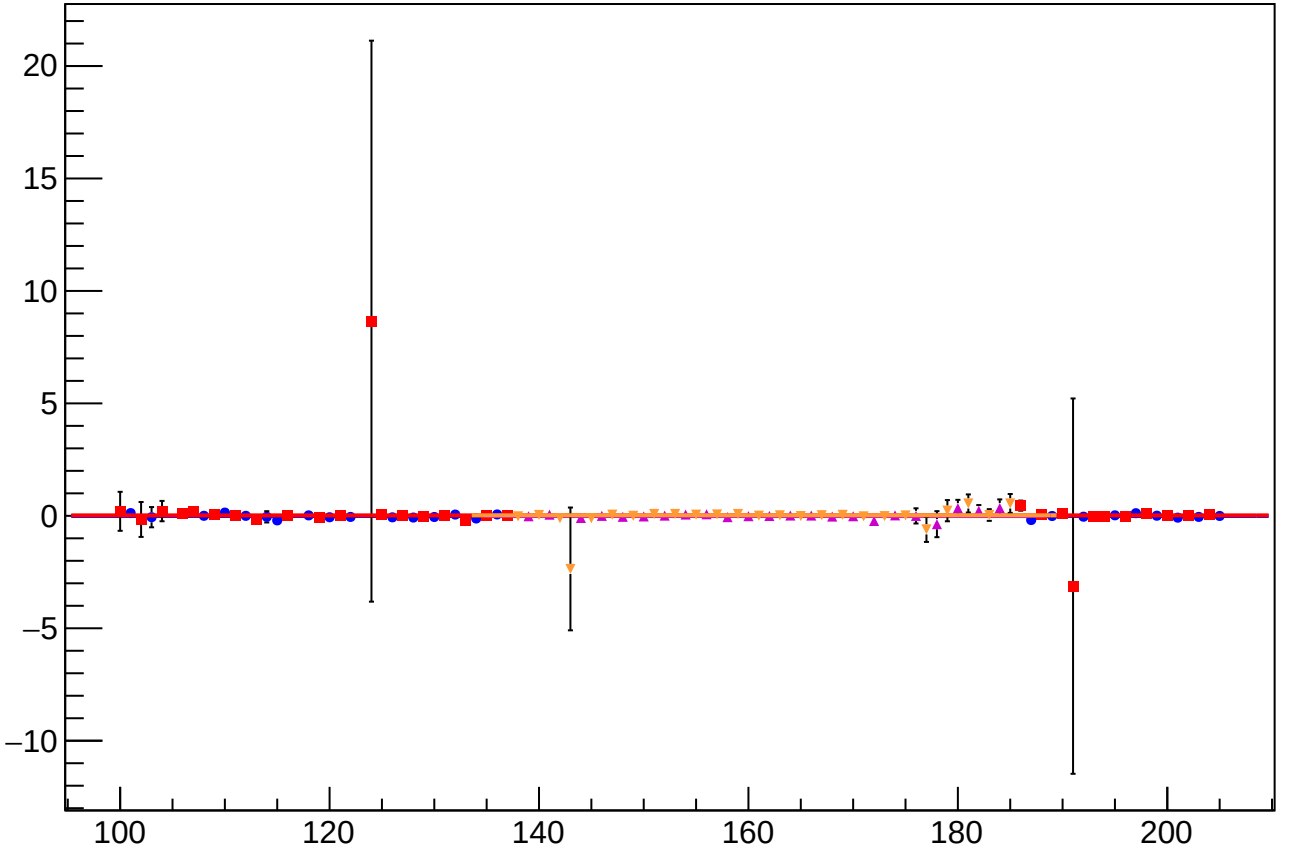
Right: 37.935+/-0.006 χ^2/NDF: 8808162.3/54

In: 34.881+/-0.005 χ^2/NDF:13290280.2/47

Out: 36.683+/-0.006 χ^2/NDF:17190097.0/54

All: 35.738+/-0.004 χ^2/NDF: 30536234.0/102

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

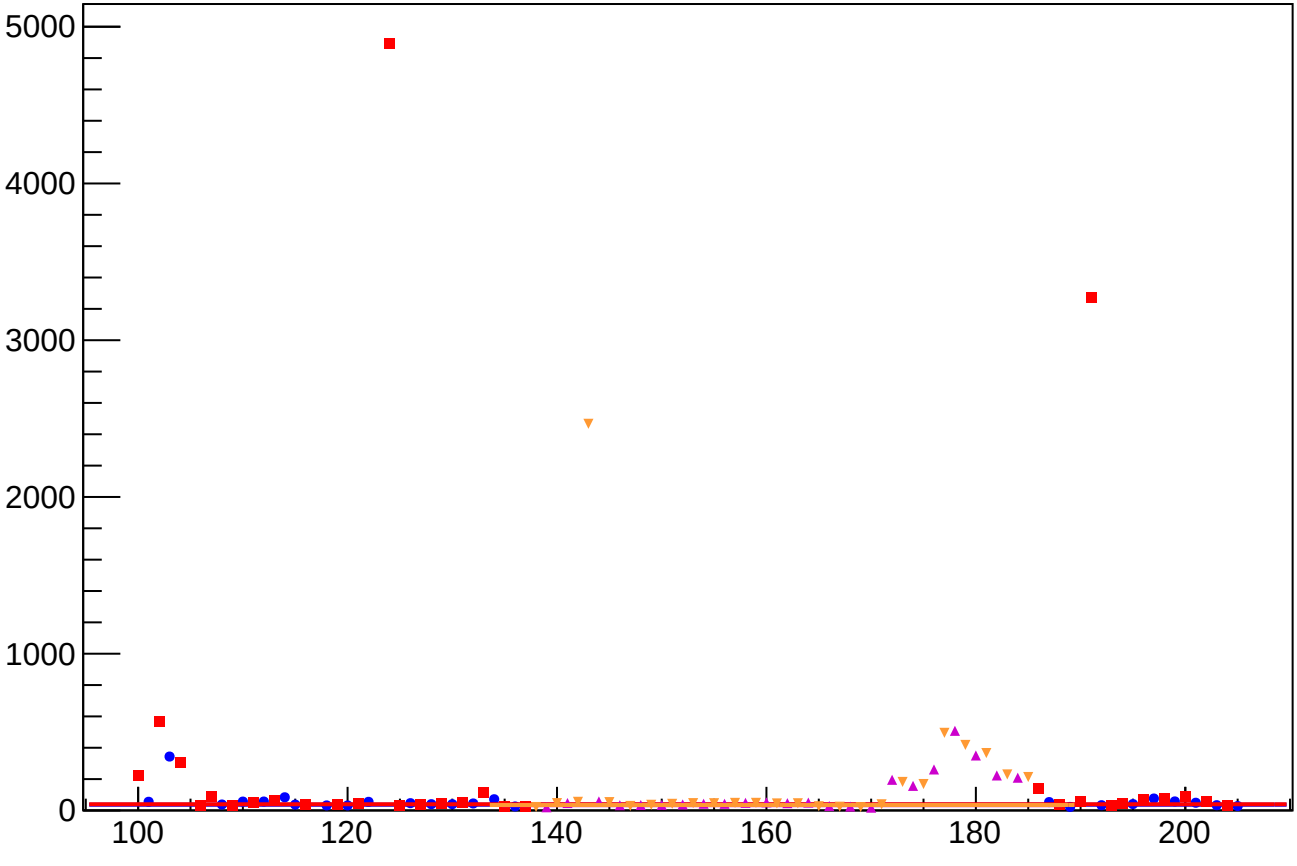
Right: 0.006+/-0.008 χ^2/NDF: 52.3/54

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.006+/-0.005 χ^2/NDF: 95.3/102

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

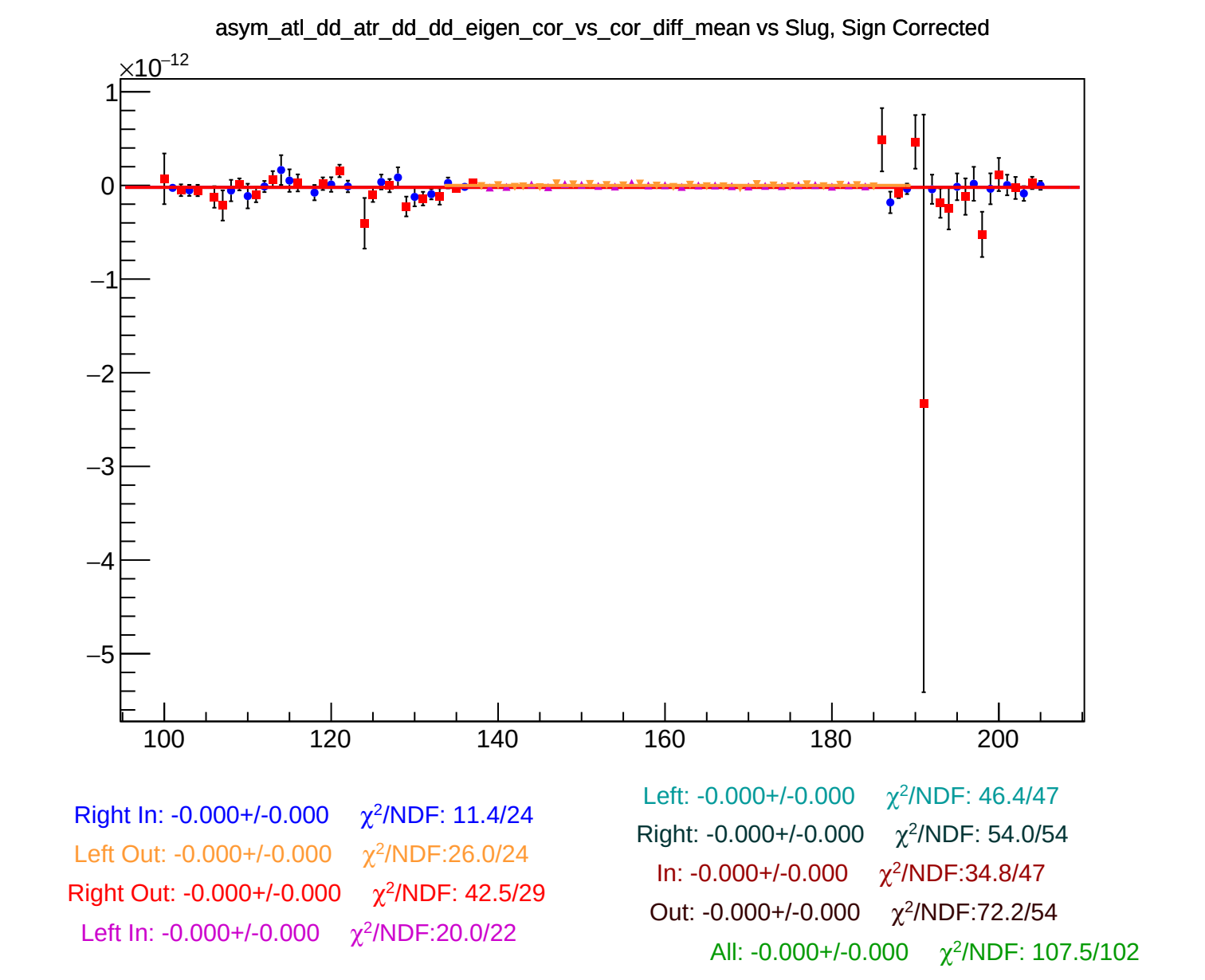
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

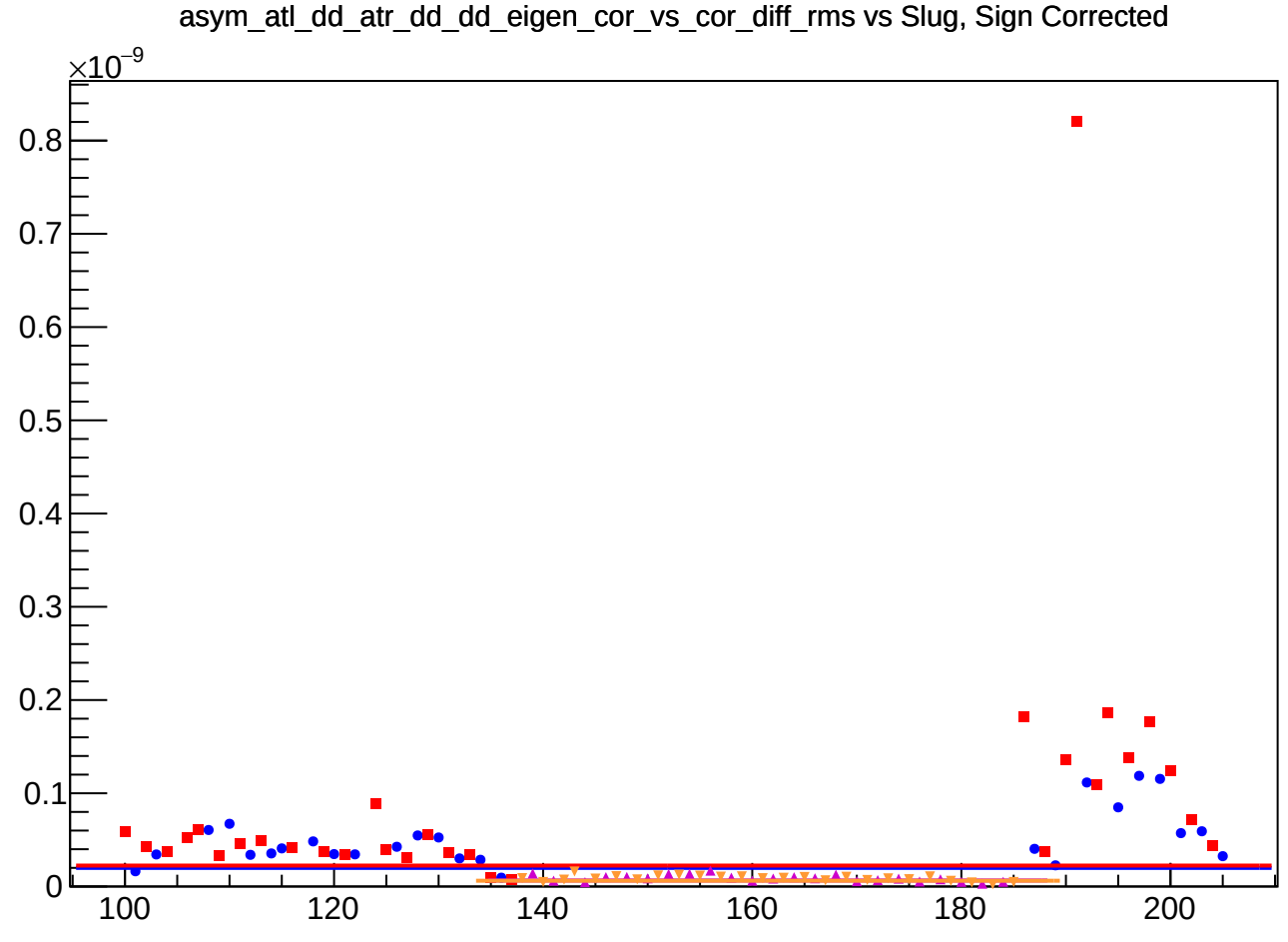
Right: 37.935+/-0.006 χ^2/NDF: 8808162.3/54

In: 34.881+/-0.005 χ^2/NDF:13290280.2/47

Out: 36.683+/-0.006 χ^2/NDF:17190097.0/54

All: 35.738+/-0.004 χ^2/NDF: 30536234.0/102


asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.4/24
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.5/29
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: 54.0/54
In: -0.000+/-0.000 χ²/NDF:34.8/47
Out: -0.000+/-0.000 χ²/NDF:72.2/54
All: -0.000+/-0.000 χ²/NDF: 107.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 6698069.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9456195.6/29

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

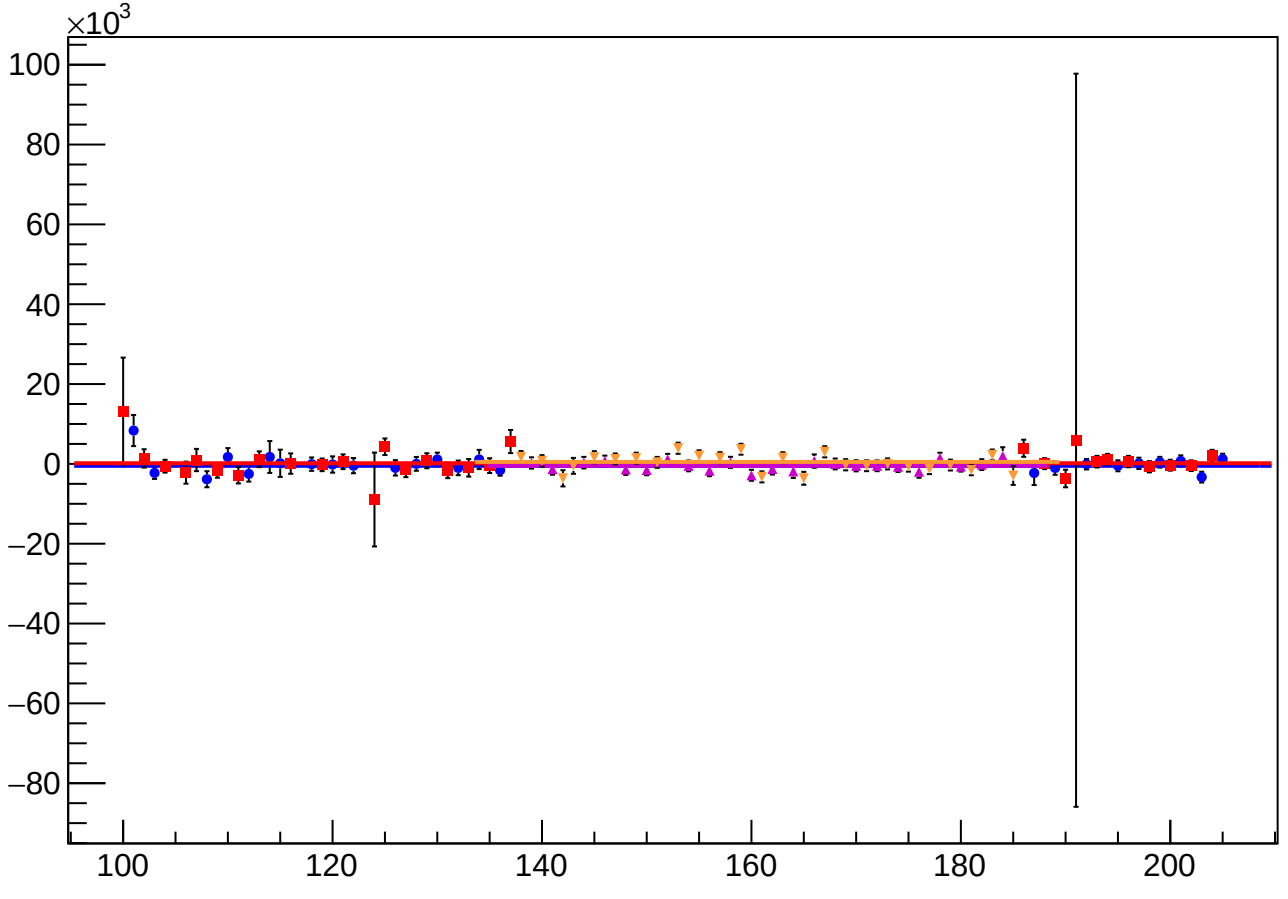
Left: 0.000+/-0.000 χ^2/NDF: 9096603.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16216414.3/54

In: 0.000+/-0.000 χ^2/NDF:14653952.8/47

Out: 0.000+/-0.000 χ^2/NDF:19148722.8/54

All: 0.000+/-0.000 χ^2/NDF: 33835677.6/102



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 157.833+/-336.785 χ^2/NDF: 25.7/29

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

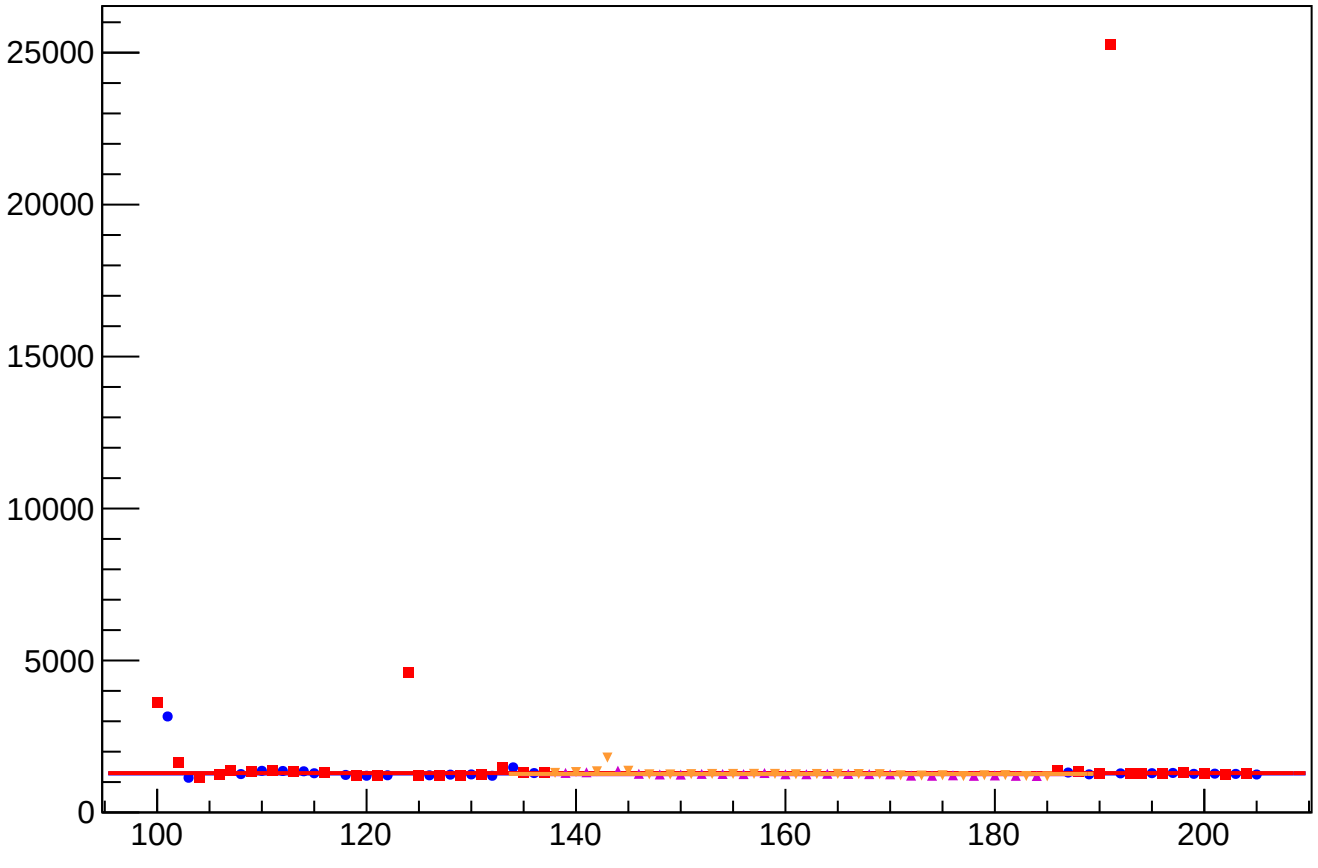
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -152.109+/-240.999 χ^2/NDF: 49.4/54

In: -482.852+/-223.671 χ^2/NDF:36.3/47

Out: 350.607+/-219.099 χ^2/NDF:73.2/54

All: -57.517+/-156.518 χ^2/NDF: 116.6/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

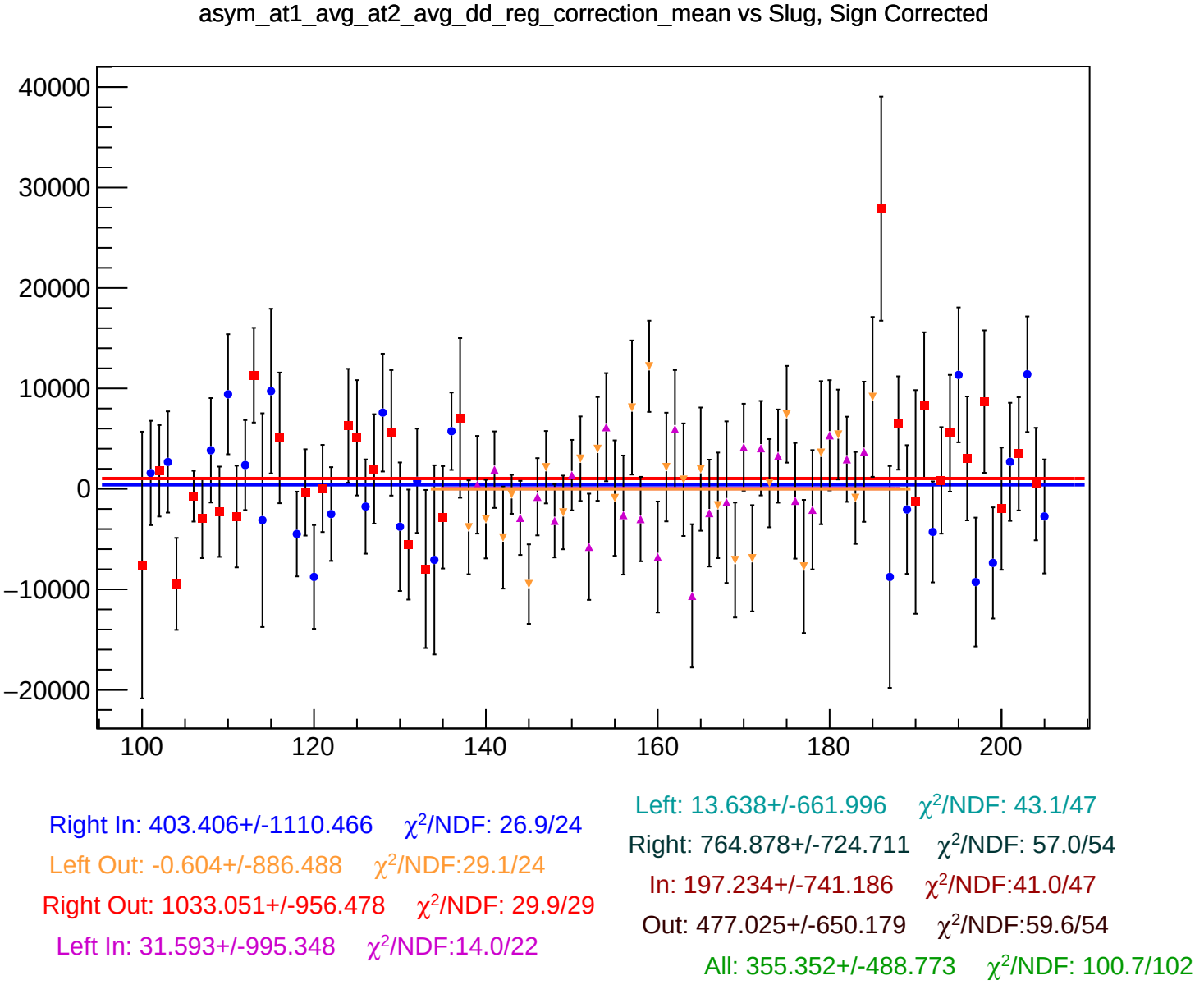
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1289.364+/-0.170 χ^2/NDF: 987391.2/54

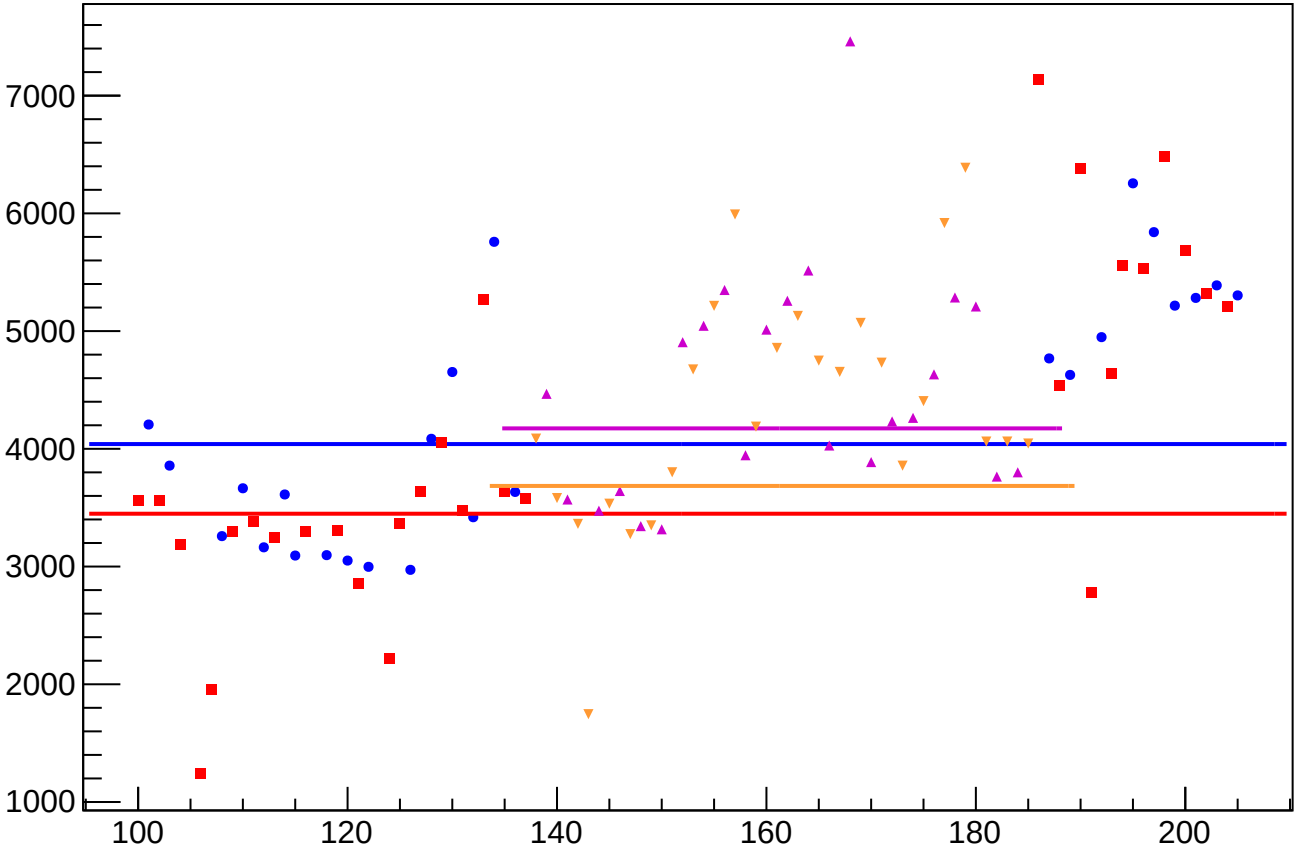
In: 1268.199+/-0.158 χ^2/NDF:560967.5/47

Out: 1279.069+/-0.155 χ^2/NDF:663965.9/54

All: 1273.750+/-0.111 χ^2/NDF: 1227345.3/10


asym_at1_avg_at2_avg_dd_reg_correction_mean vs Slug, Sign Corrected
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 403.406+/-1110.466 χ²/NDF: 26.9/24
Left Out: -0.604+/-886.488 χ²/NDF:29.1/24
Right Out: 1033.051+/-956.478 χ²/NDF: 29.9/29
Left In: 31.593+/-995.348 χ²/NDF:14.0/22
Left: 13.638+/-661.996 χ²/NDF: 43.1/47
Right: 764.878+/-724.711 χ²/NDF: 57.0/54
In: 197.234+/-741.186 χ²/NDF:41.0/47
Out: 477.025+/-650.179 χ²/NDF:59.6/54
All: 355.352+/-488.773 χ²/NDF: 100.7/102

asym_at1_avg_at2_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

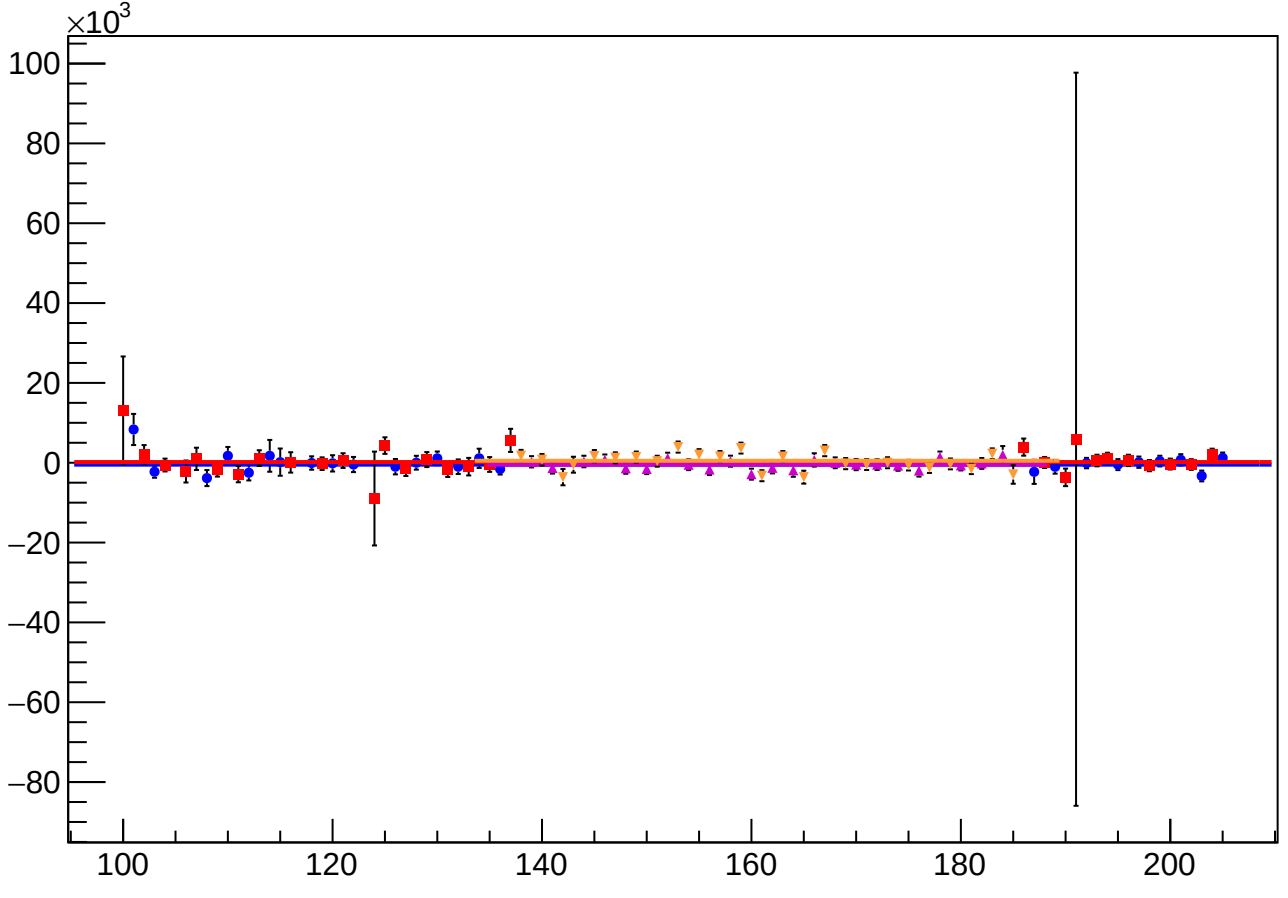
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3700.734+/-0.512 χ^2/NDF: 6074095.8/54

In: 4114.246+/-0.524 χ^2/NDF:2823029.3/47

Out: 3575.697+/-0.460 χ^2/NDF:7975155.8/54

All: 3809.896+/-0.346 χ^2/NDF: 11394910.5/1



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

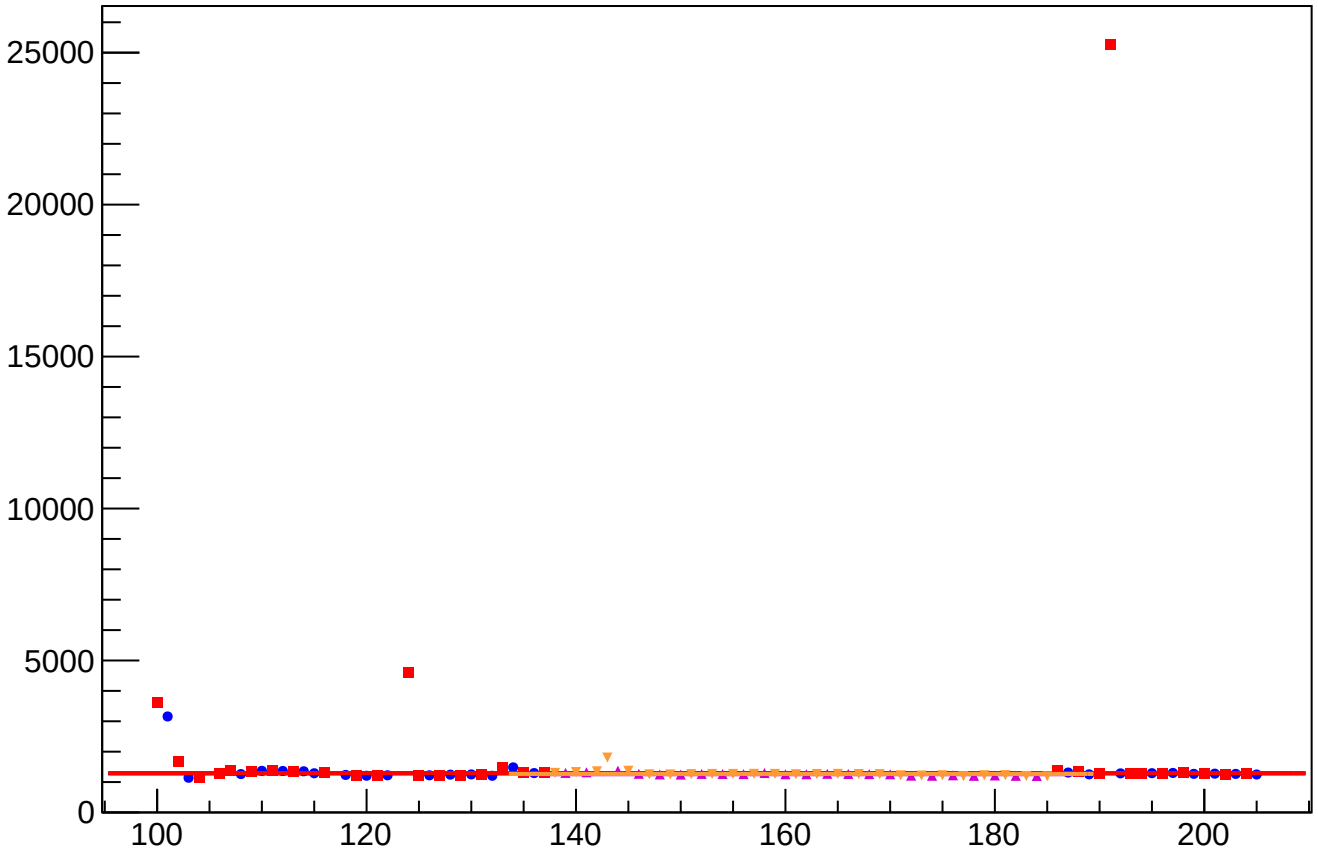
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -145.141+/-241.038 χ^2/NDF: 49.8/54

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -54.532+/-156.528 χ^2/NDF: 117.0/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

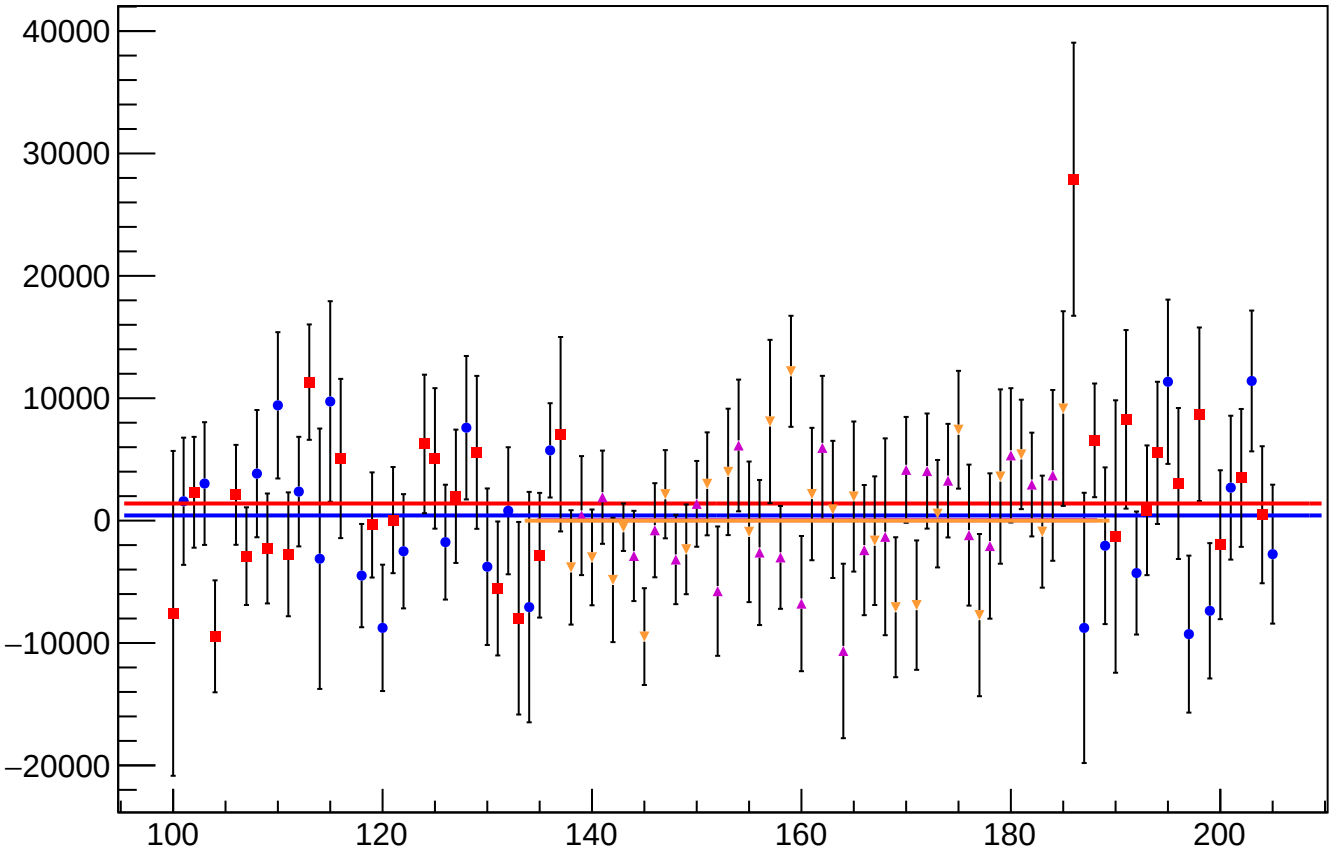
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1289.853+/-0.170 χ^2/NDF: 994267.4/54

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

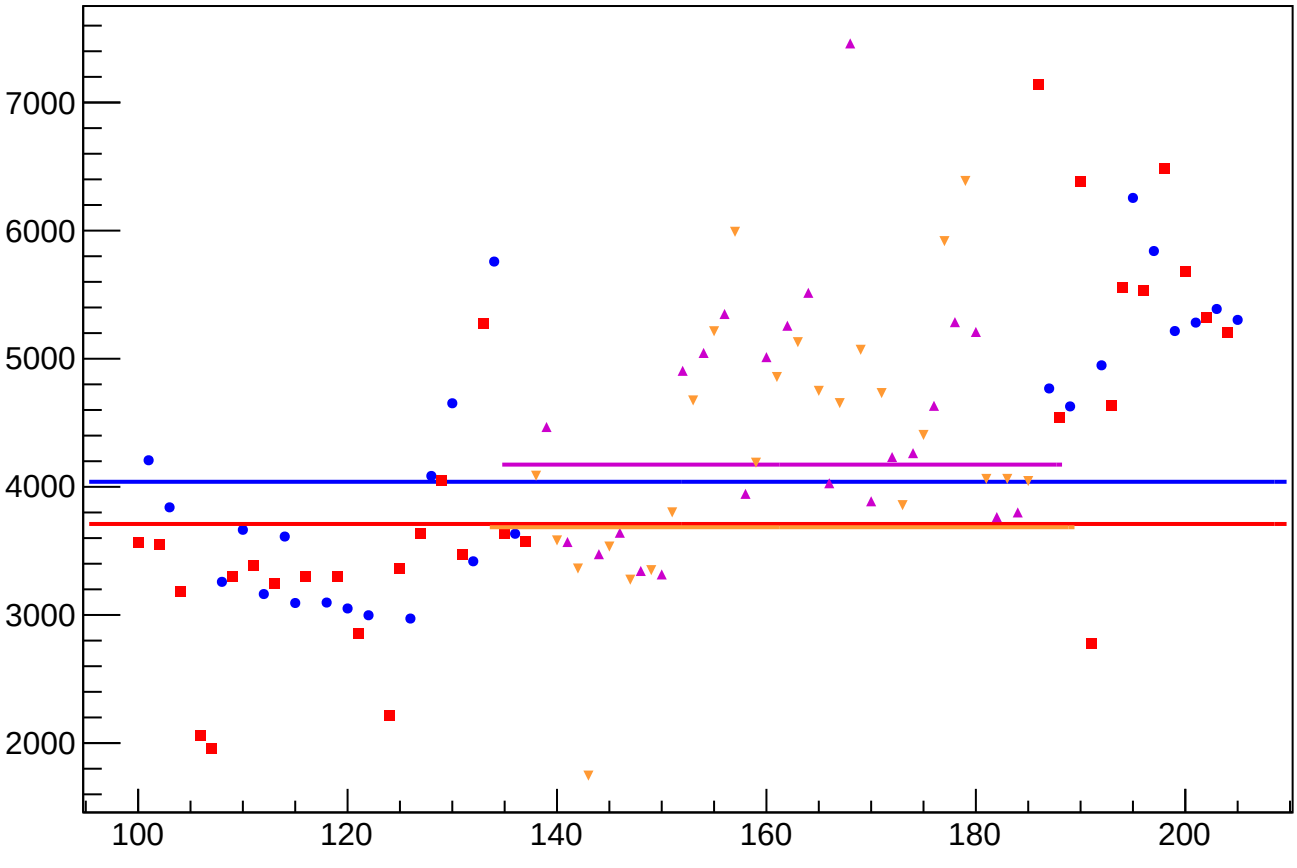
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 960.147+/-743.559 χ^2/NDF: 56.8/54

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 432.172+/-494.433 χ^2/NDF: 100.8/102



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

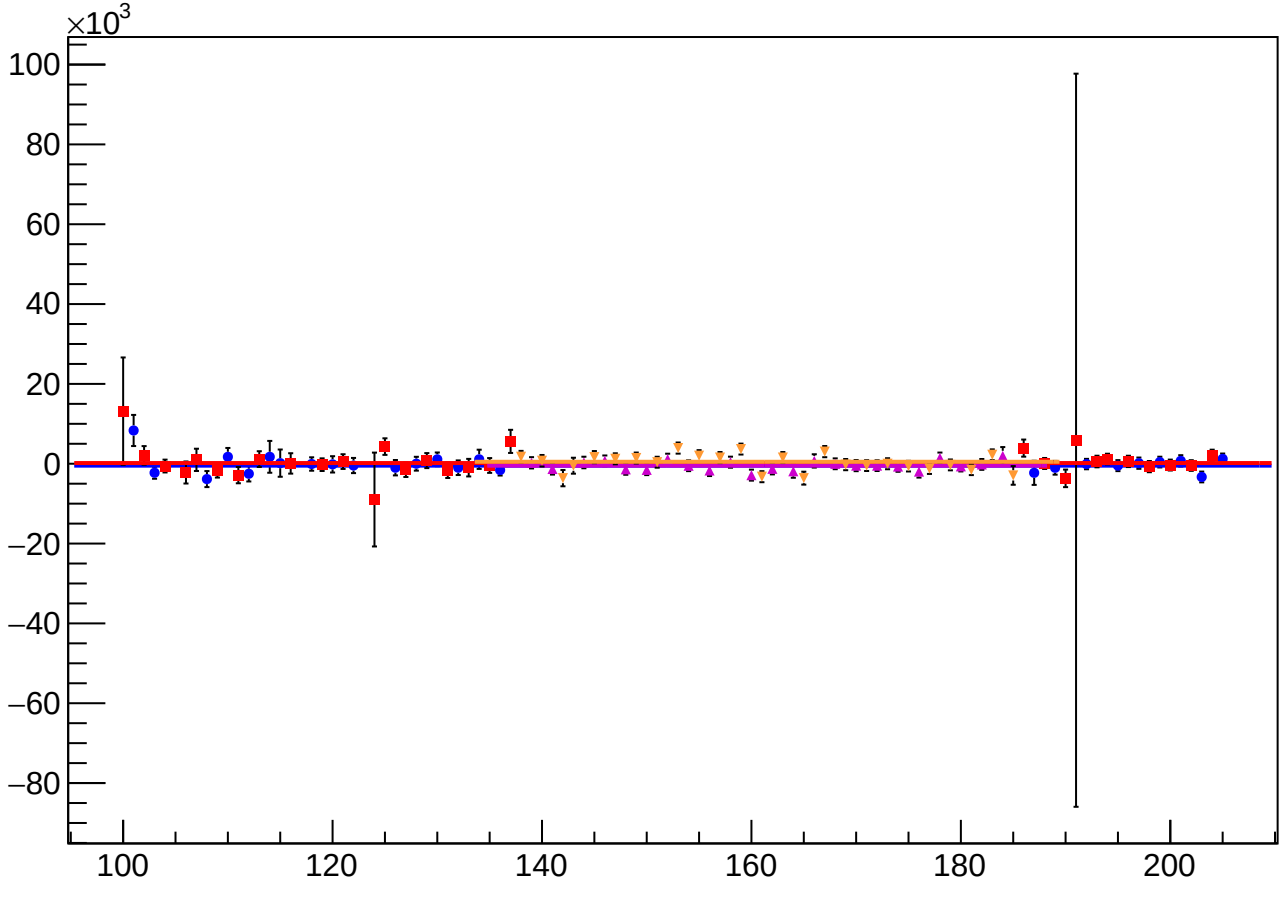
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3857.970+/-0.526 χ^2/NDF: 4417396.3/54

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

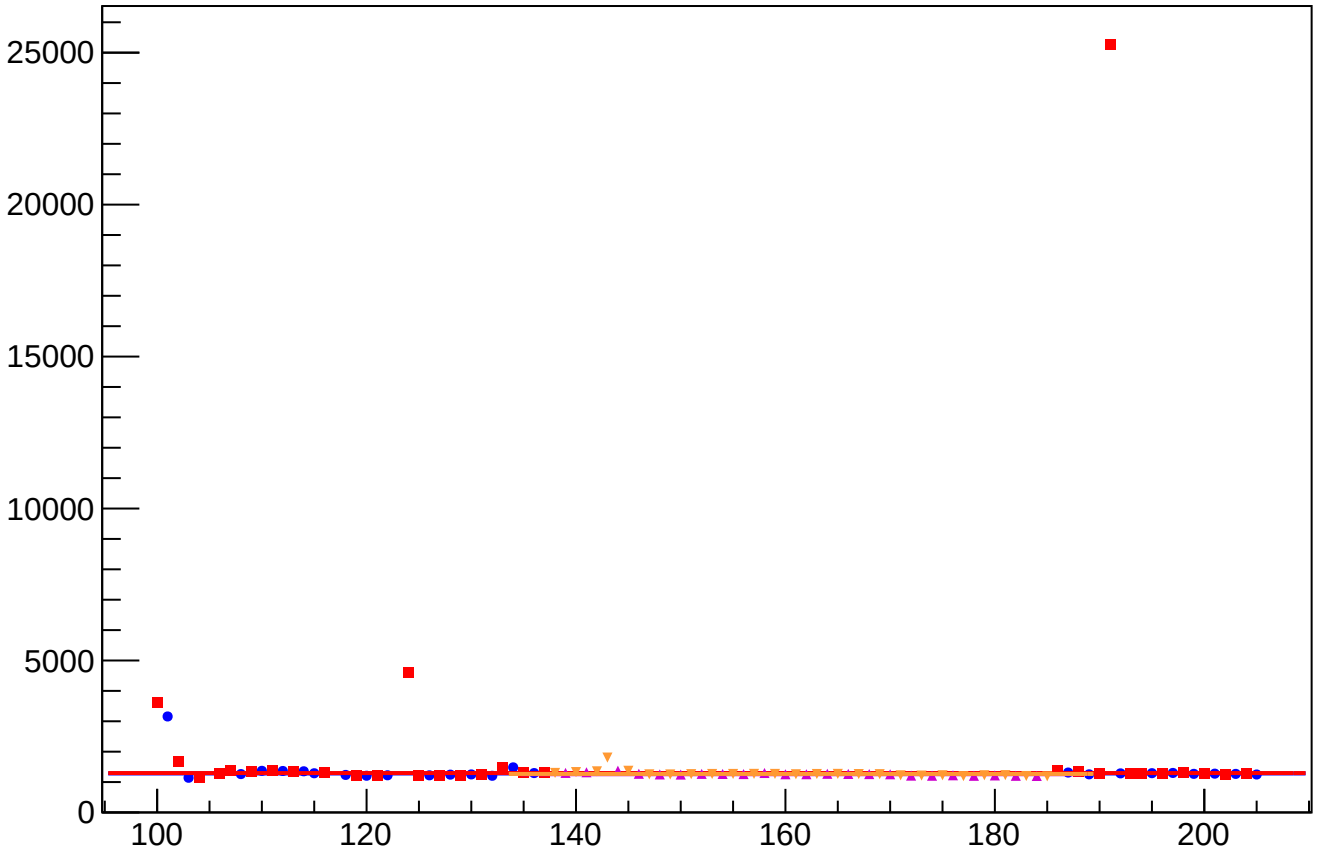
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -145.141+/-241.038 χ^2/NDF: 49.8/54

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -54.532+/-156.528 χ^2/NDF: 117.0/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

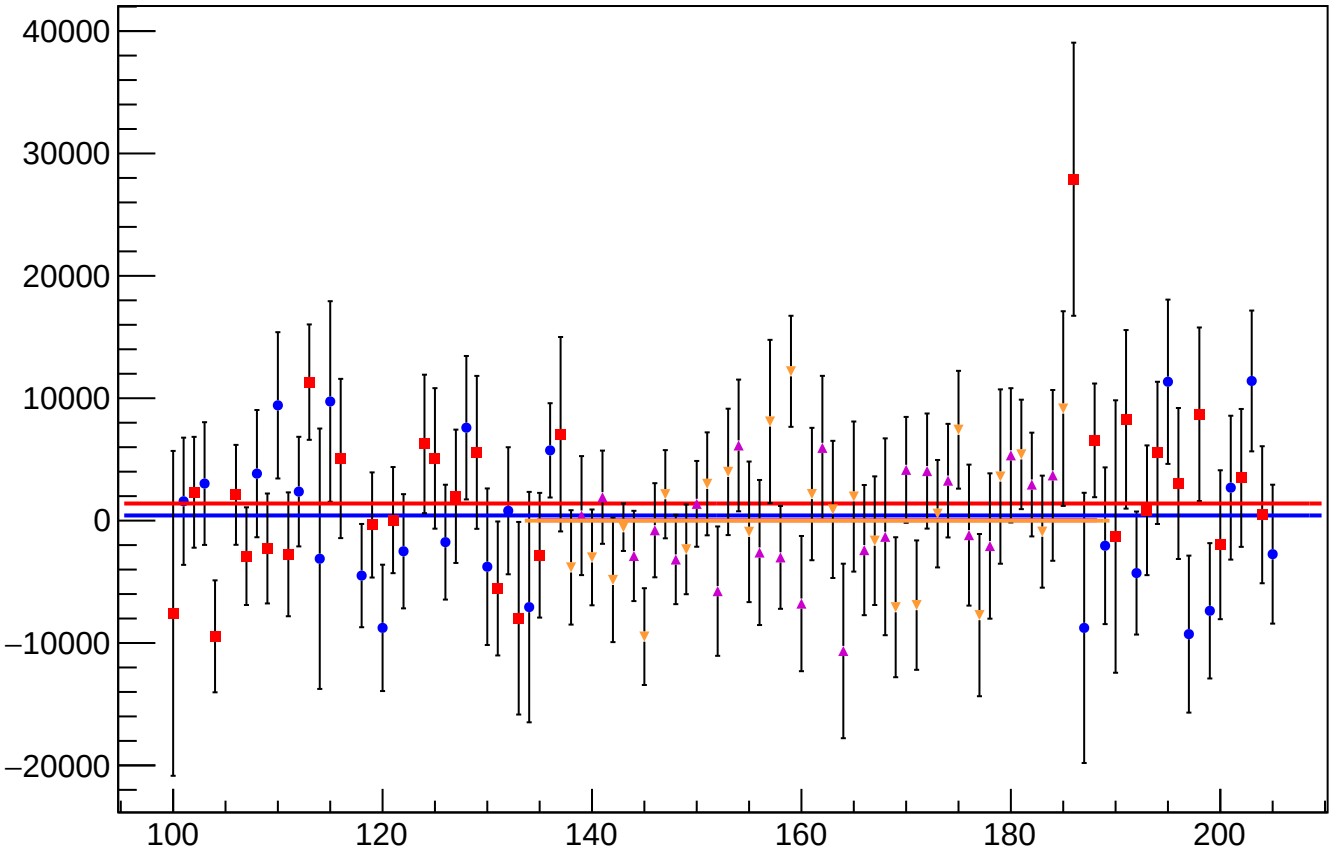
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1289.853+/-0.170 χ^2/NDF: 994267.4/54

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

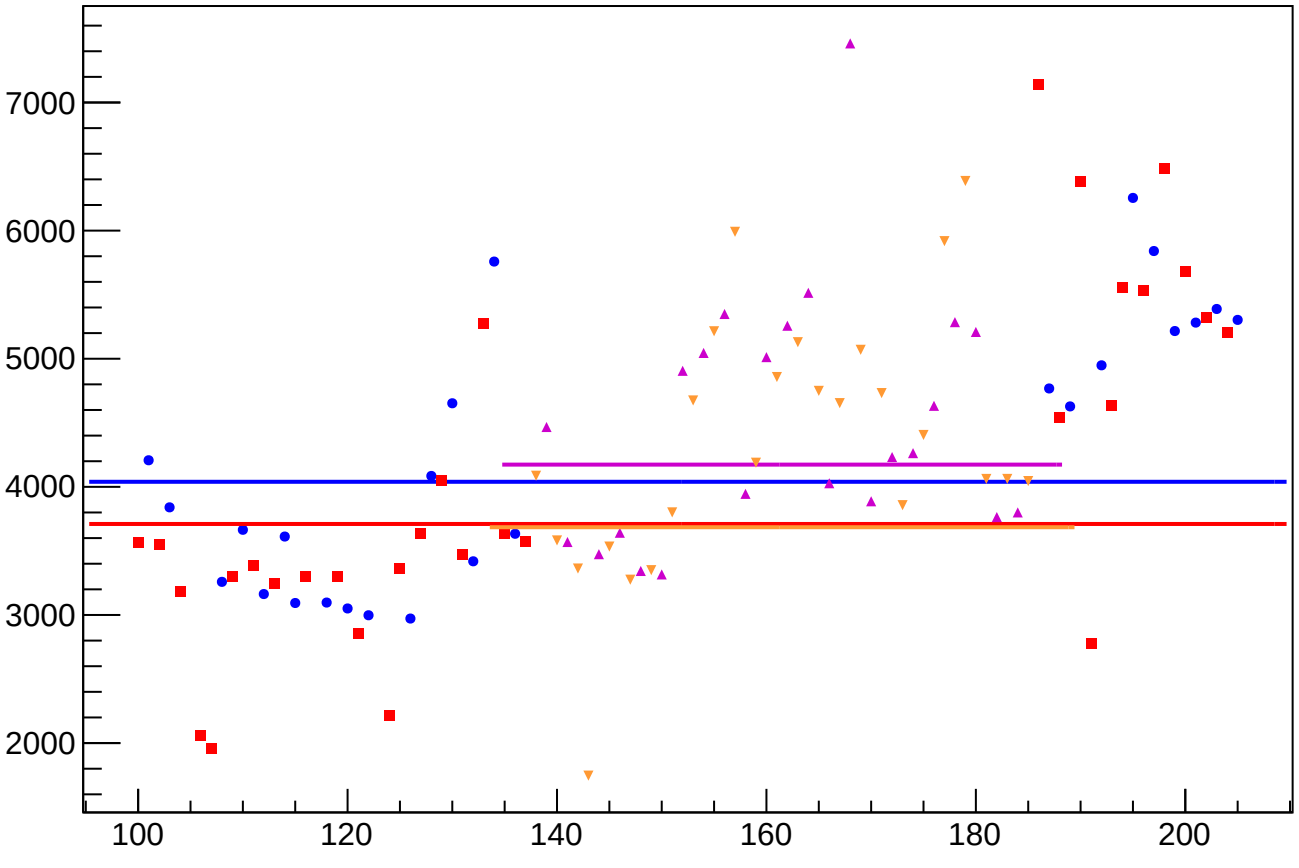
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 960.147+/-743.559 χ^2/NDF: 56.8/54

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 432.172+/-494.433 χ^2/NDF: 100.8/102



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

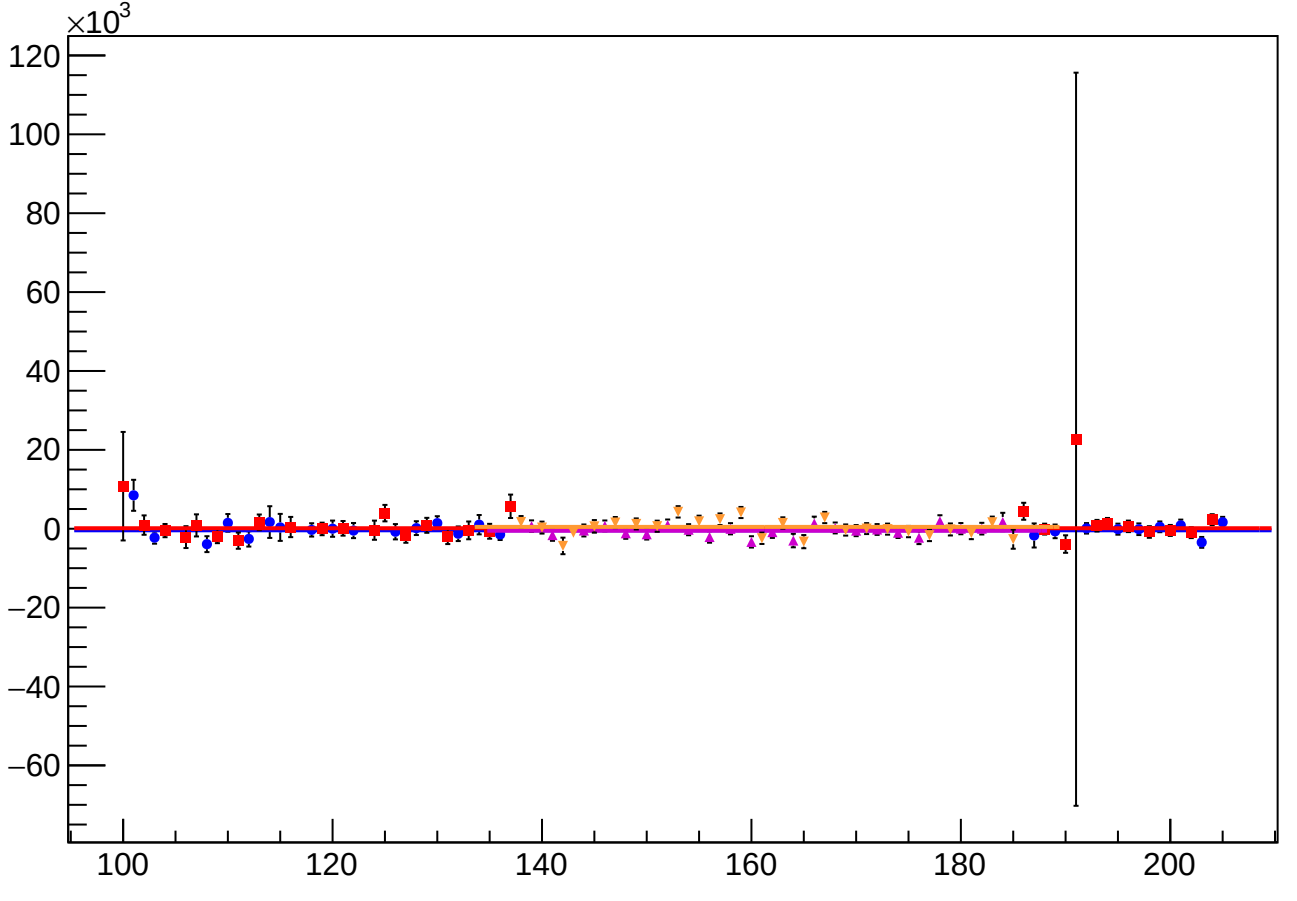
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3857.970+/-0.526 χ^2/NDF: 4417396.3/54

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.590+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

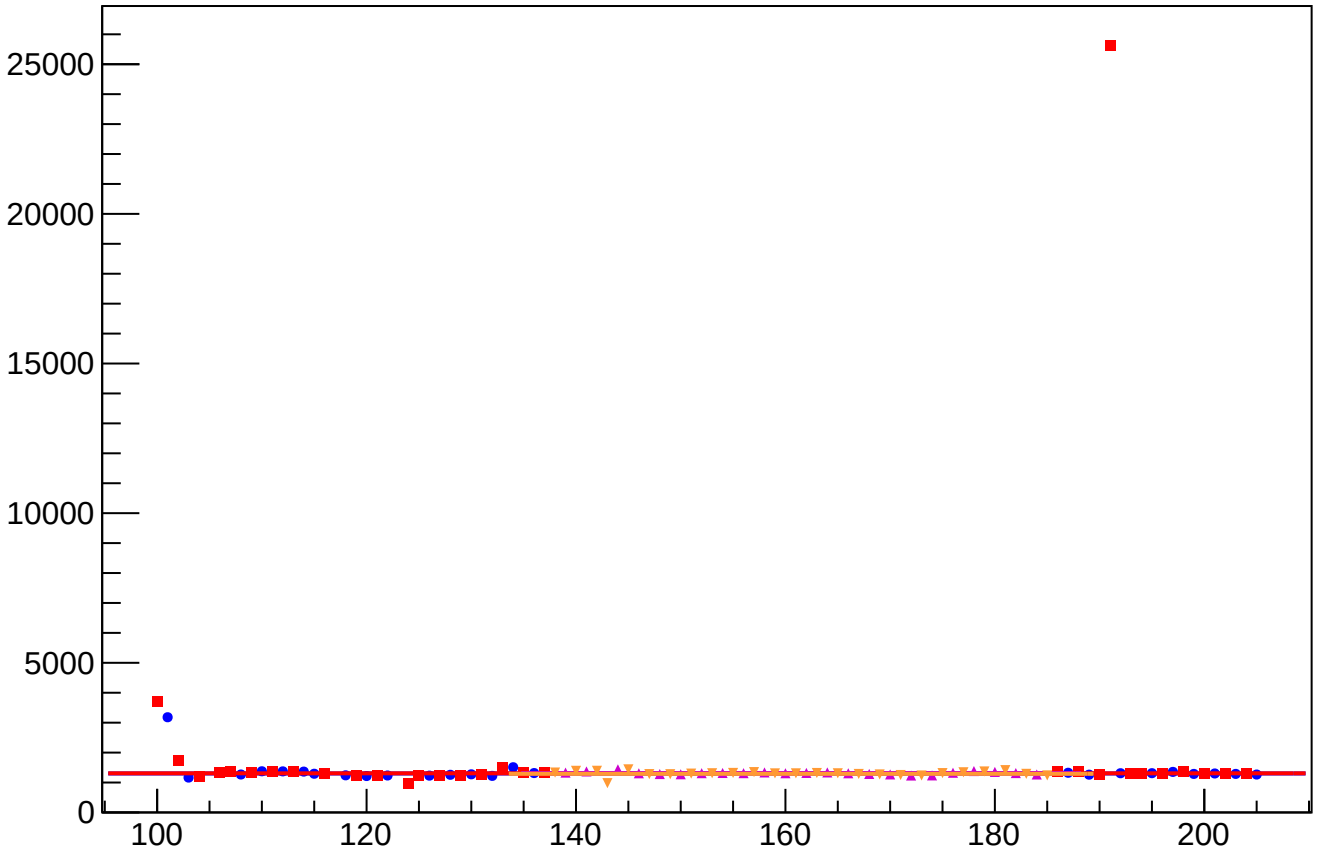
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -125.201+/-243.698 χ^2/NDF: 51.6/54

In: -455.577+/-230.859 χ^2/NDF:40.6/47

Out: 321.452+/-222.329 χ^2/NDF:72.0/54

All: -52.443+/-160.141 χ^2/NDF: 118.5/102



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

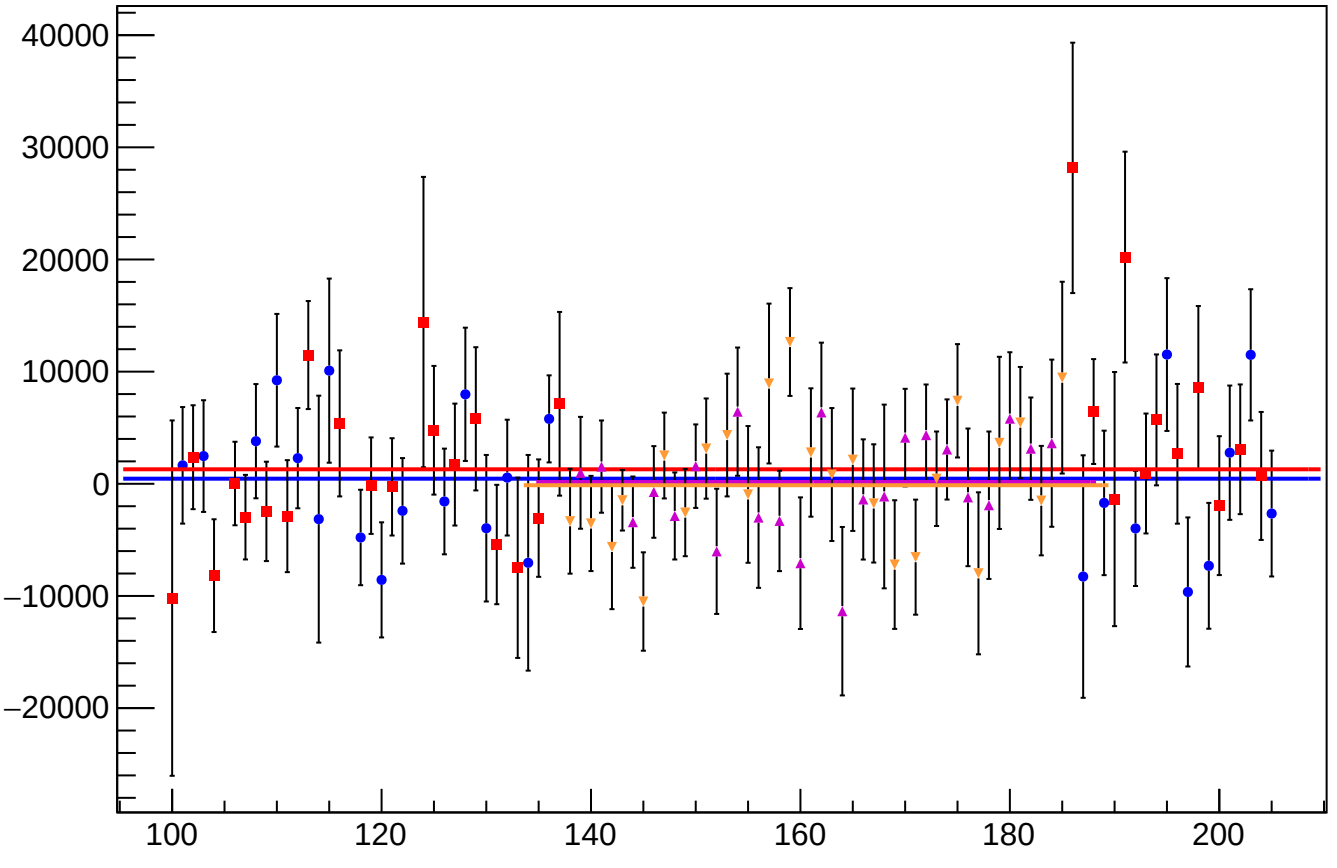
Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

Right: 1304.953+/-0.172 χ^2/NDF: 880160.5/54

In: 1308.717+/-0.163 χ^2/NDF:560724.5/47

Out: 1298.365+/-0.157 χ^2/NDF:597028.3/54

All: 1303.346+/-0.113 χ^2/NDF: 1159839.3/10



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

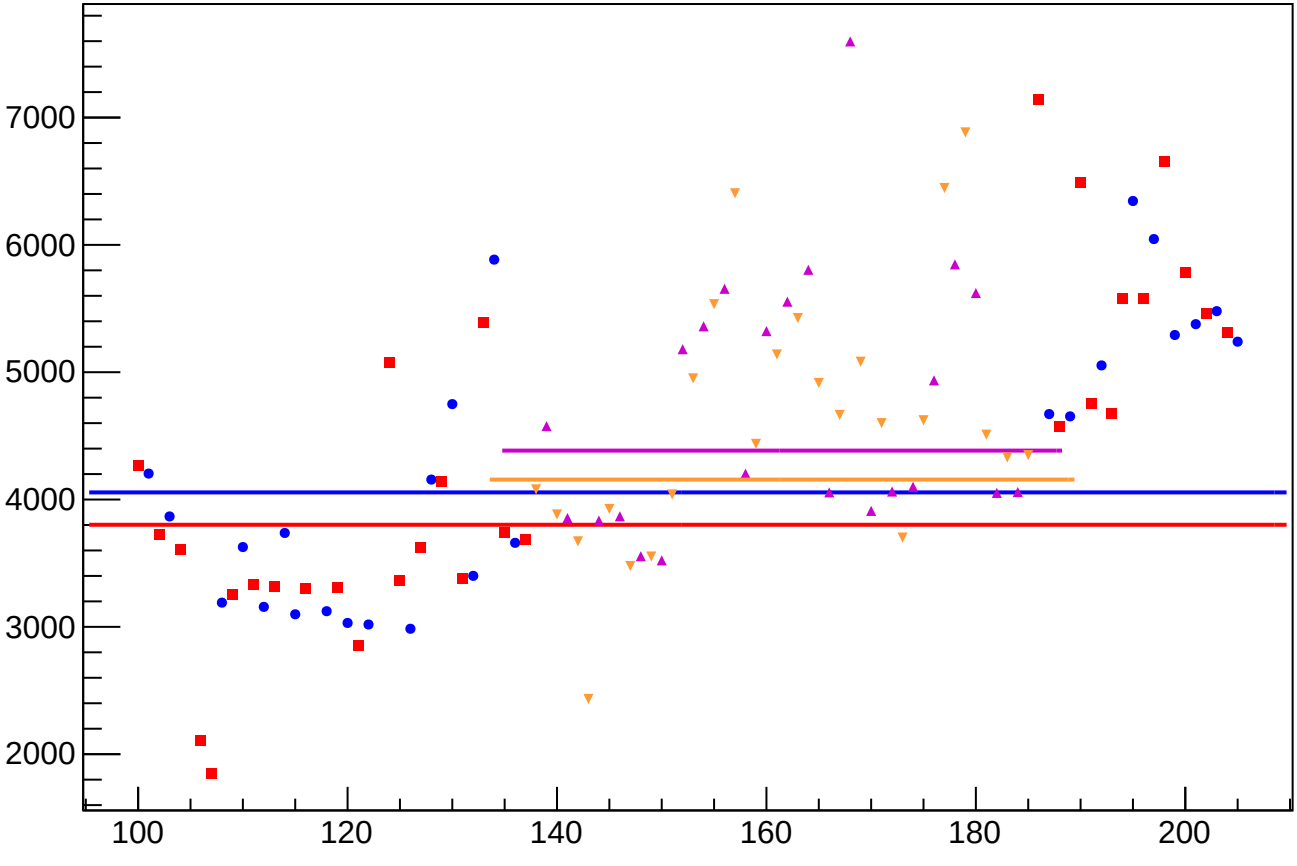
Right: 911.980+/-752.532 χ^2/NDF: 58.0/54

In: 297.820+/-762.981 χ^2/NDF:40.4/47

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 435.377+/-517.932 χ^2/NDF: 101.1/102

asym_at1_avg_at2_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

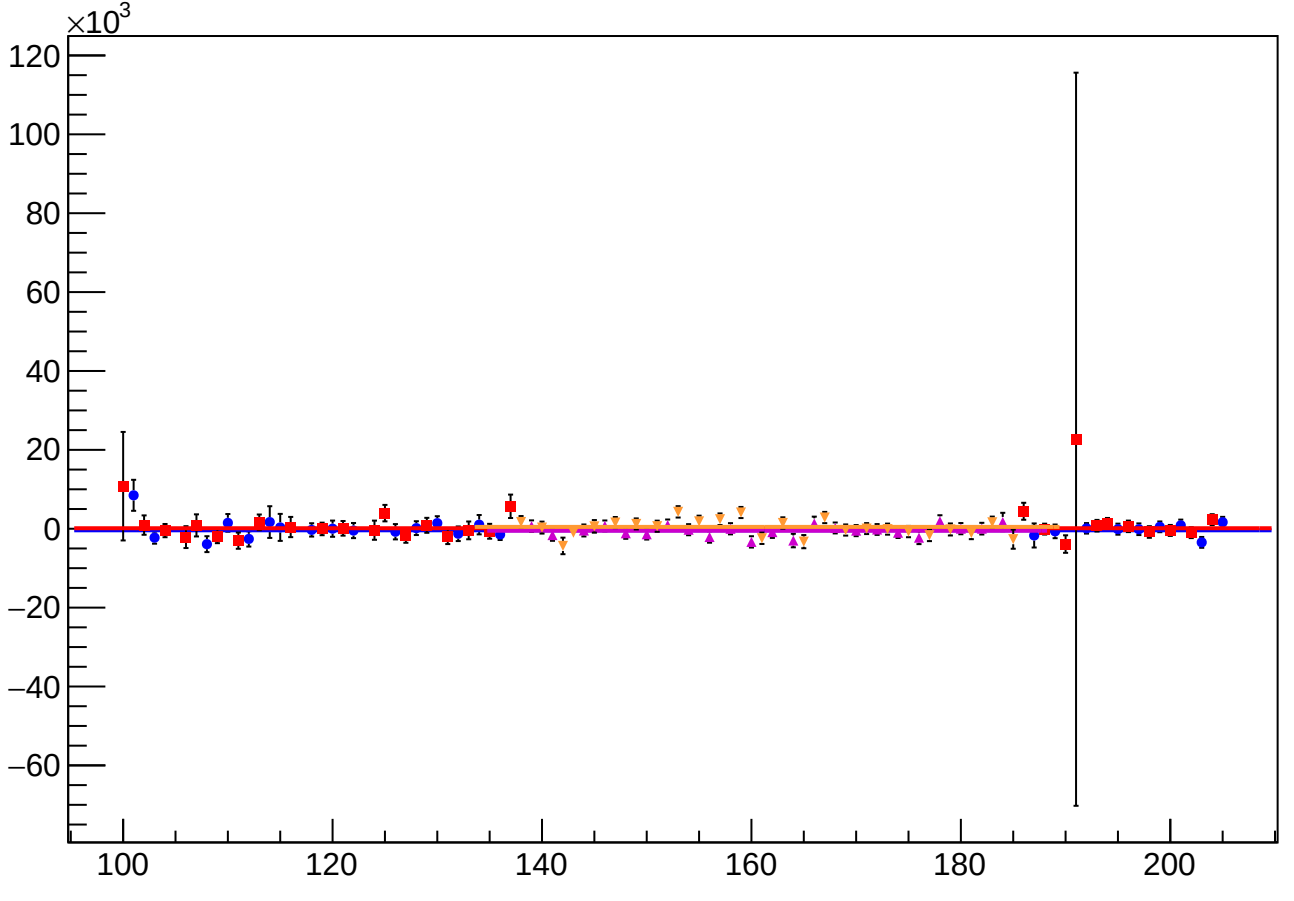
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3917.390+/-0.532 χ^2/NDF: 4540733.1/54

In: 4230.860+/-0.540 χ^2/NDF:2961436.8/47

Out: 3986.622+/-0.499 χ^2/NDF:5077408.4/54

All: 4099.168+/-0.366 χ^2/NDF: 8149348.0/10



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.587+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

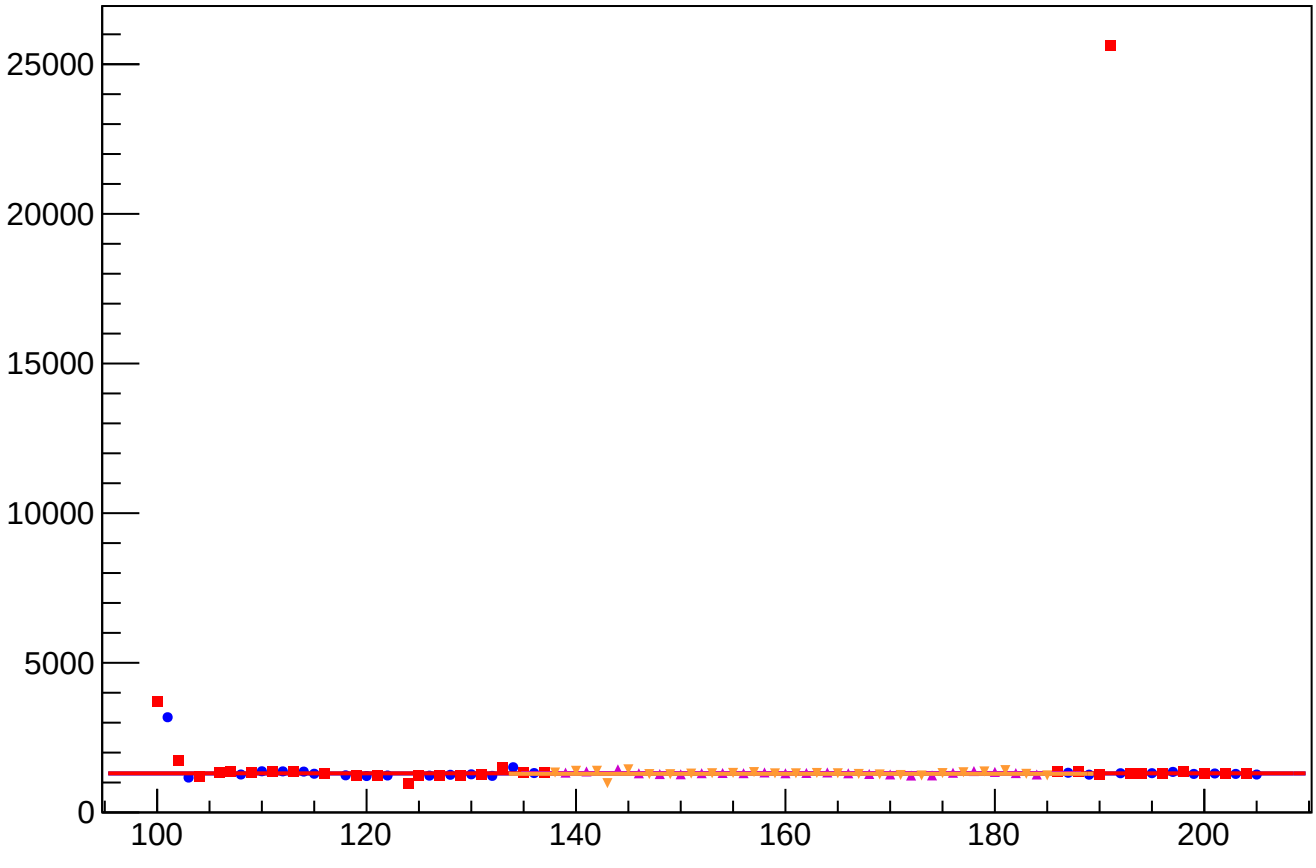
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -125.202+/-243.698 χ^2/NDF: 51.6/54

In: -455.576+/-230.859 χ^2/NDF:40.6/47

Out: 321.452+/-222.330 χ^2/NDF:72.0/54

All: -52.443+/-160.141 χ^2/NDF: 118.5/102



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

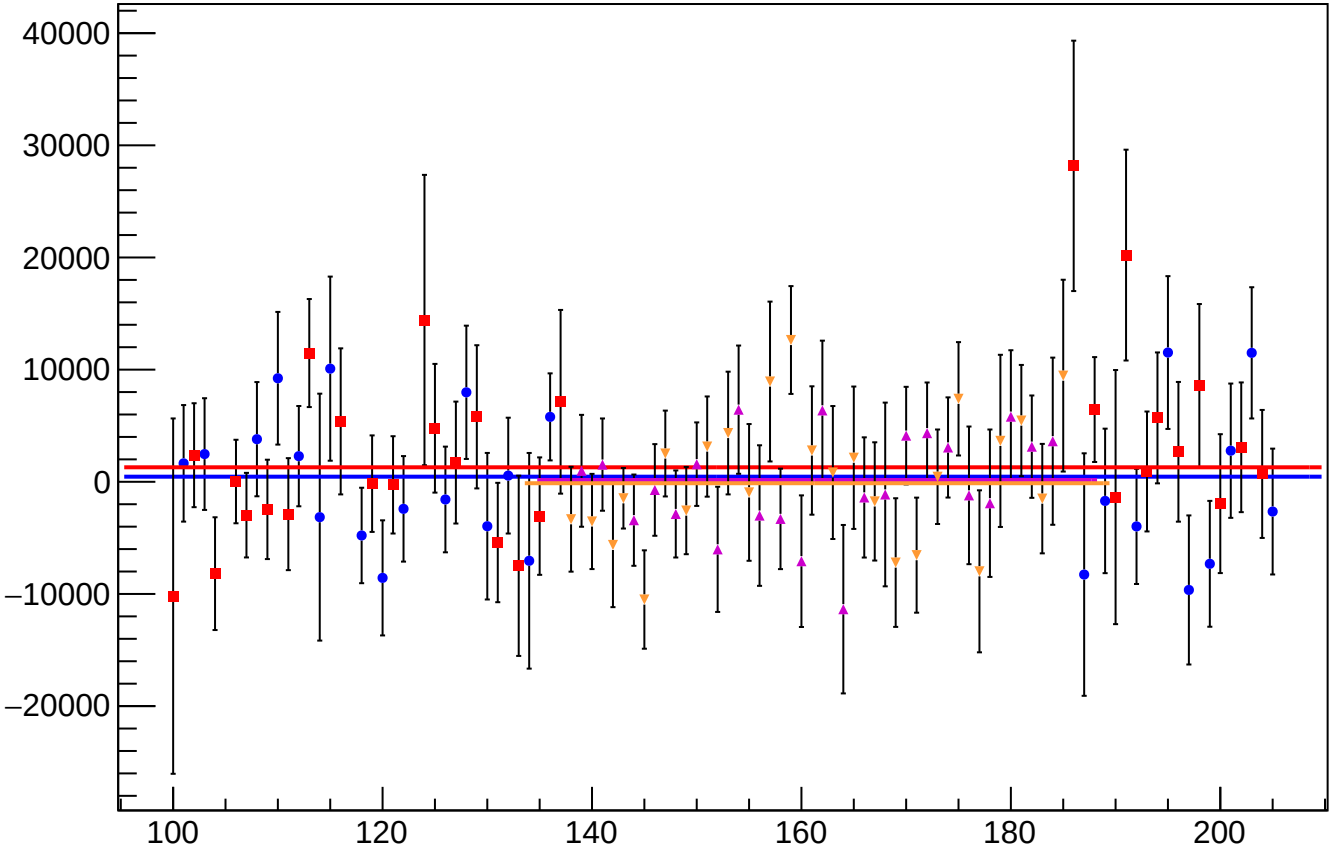
Right: 1304.953+/-0.172 χ^2/NDF: 880161.1/54

In: 1308.718+/-0.163 χ^2/NDF:560727.2/47

Out: 1298.366+/-0.157 χ^2/NDF:597030.7/54

All: 1303.346+/-0.113 χ^2/NDF: 1159844.4/10

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

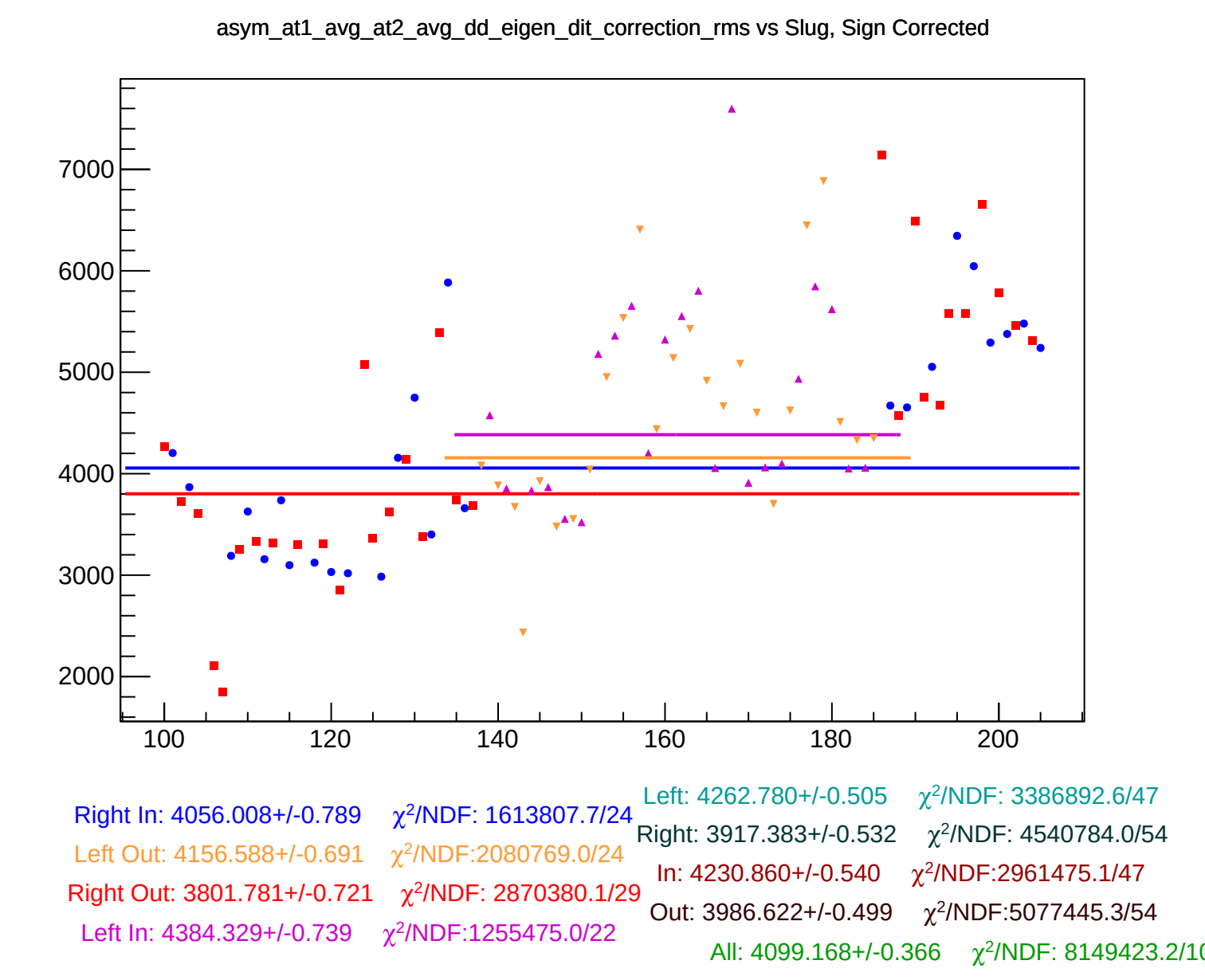
Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

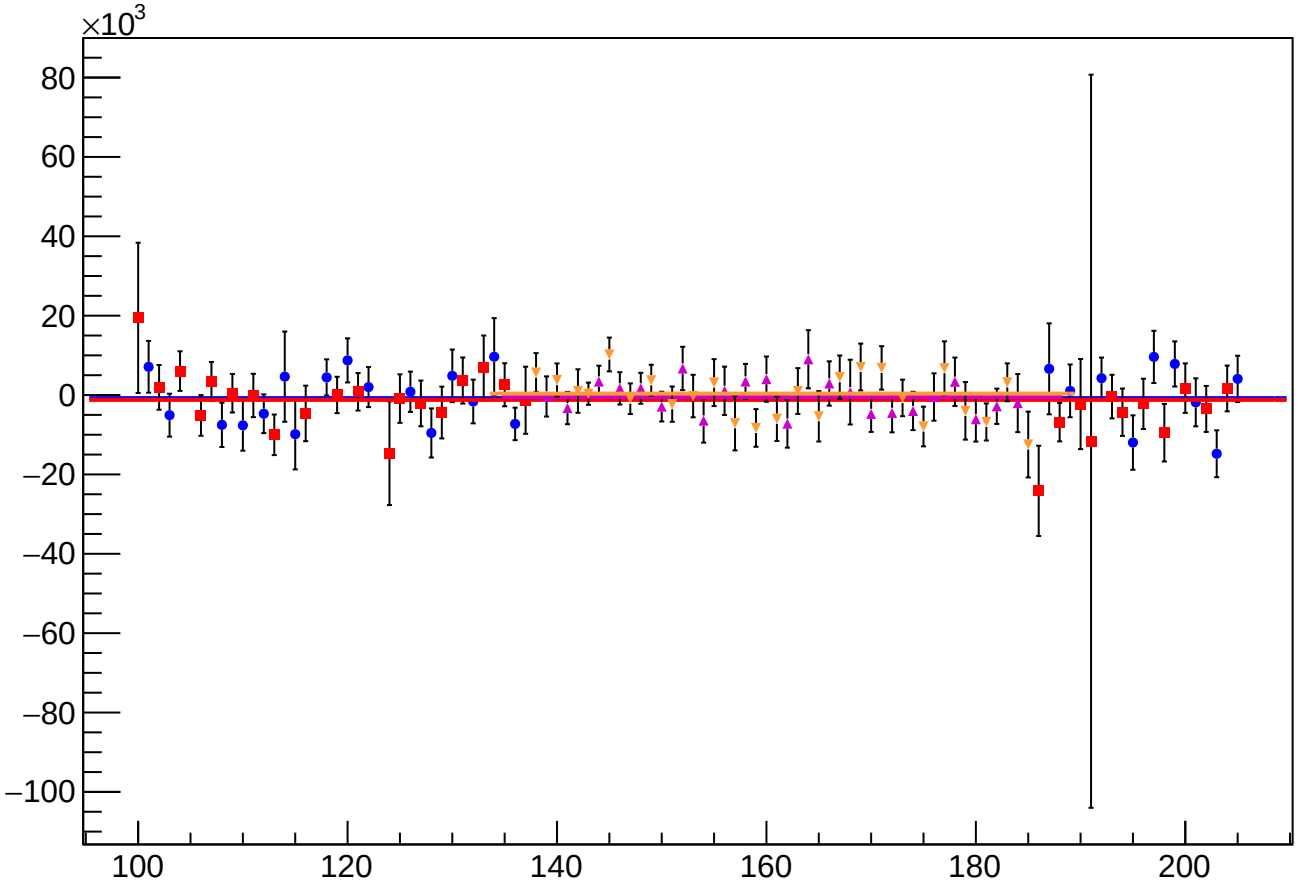
Right: 911.973+/-752.531 χ^2/NDF: 58.0/54

In: 297.818+/-762.981 χ^2/NDF:40.4/47

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 435.376+/-517.932 χ^2/NDF: 101.1/102


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: 4056.008+/-0.789 χ²/NDF: 1613807.7/24
Left Out: 4156.588+/-0.691 χ²/NDF:2080769.0/24
Right Out: 3801.781+/-0.721 χ²/NDF: 2870380.1/29
Left In: 4384.329+/-0.739 χ²/NDF:1255475.0/22
Left: 4262.780+/-0.505 χ²/NDF: 3386892.6/47
Right: 3917.383+/-0.532 χ²/NDF: 4540784.0/54
In: 4230.860+/-0.540 χ²/NDF:2961475.1/47
Out: 3986.622+/-0.499 χ²/NDF:5077445.3/54
All: 4099.168+/-0.366 χ²/NDF: 8149423.2/10



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1221.385+/-1111.844 χ^2/NDF: 19.9/29

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

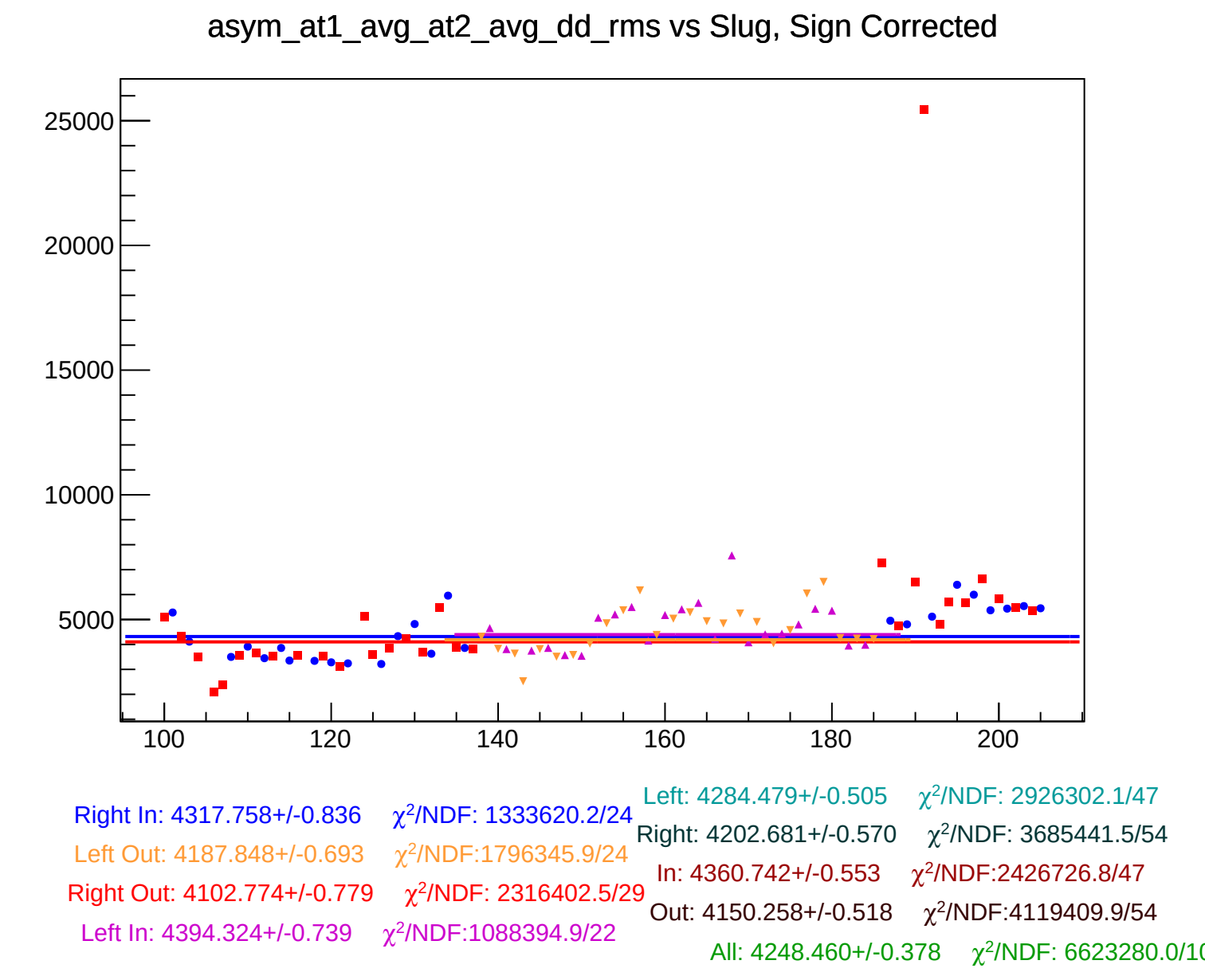
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

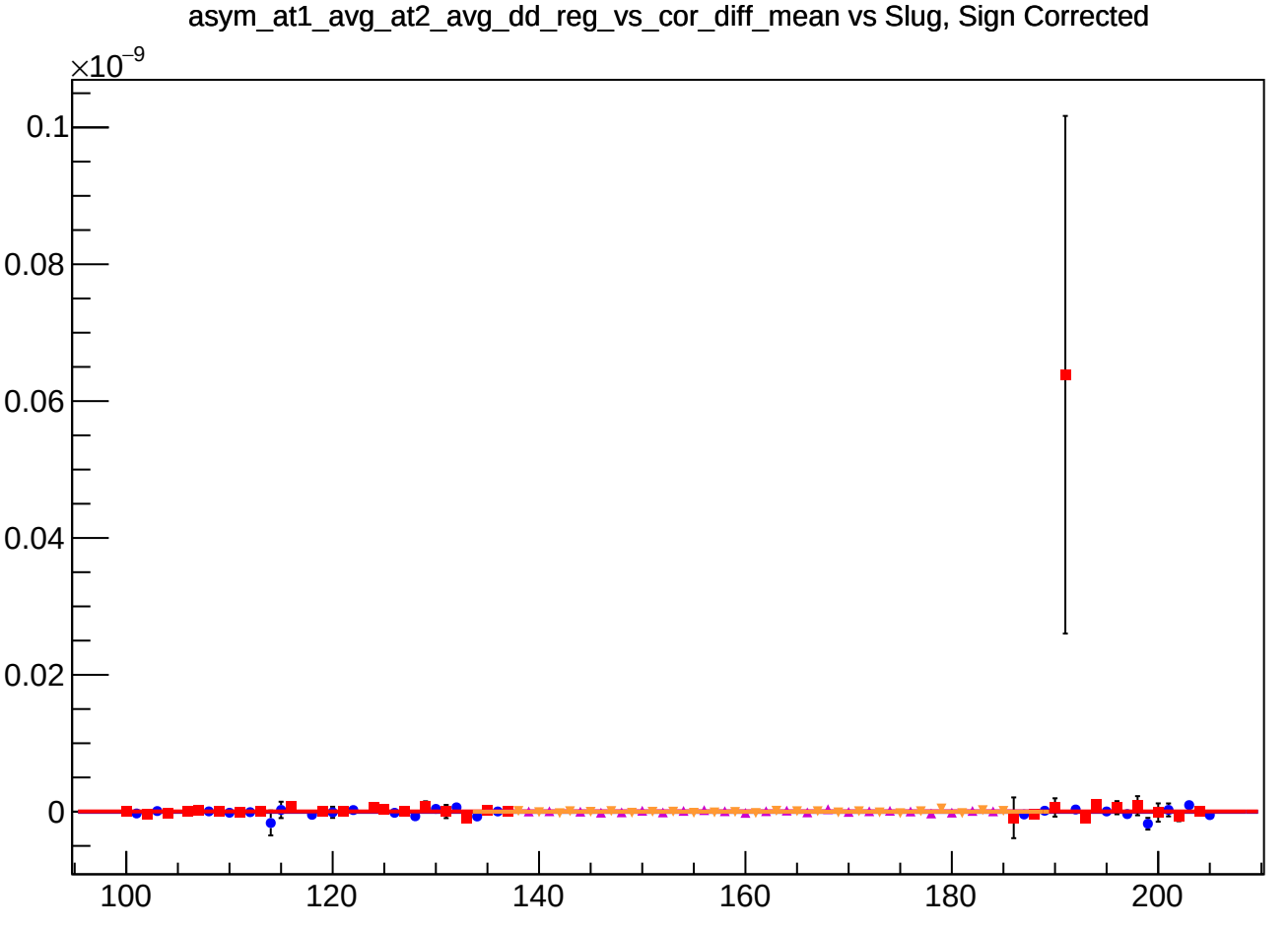
Right: -1009.637+/-809.842 χ^2/NDF: 52.9/54

In: -617.182+/-782.765 χ^2/NDF:46.8/47

Out: -329.882+/-735.123 χ^2/NDF:48.7/54

All: -464.523+/-535.862 χ^2/NDF: 95.6/102


asym_at1_avg_at2_avg_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4317.758+/-0.836 χ²/NDF: 1333620.2/24
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4102.774+/-0.779 χ²/NDF: 2316402.5/29
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4202.681+/-0.570 χ²/NDF: 3685441.5/54
In: 4360.742+/-0.553 χ²/NDF:2426726.8/47
Out: 4150.258+/-0.518 χ²/NDF:4119409.9/54
All: 4248.460+/-0.378 χ²/NDF: 6623280.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

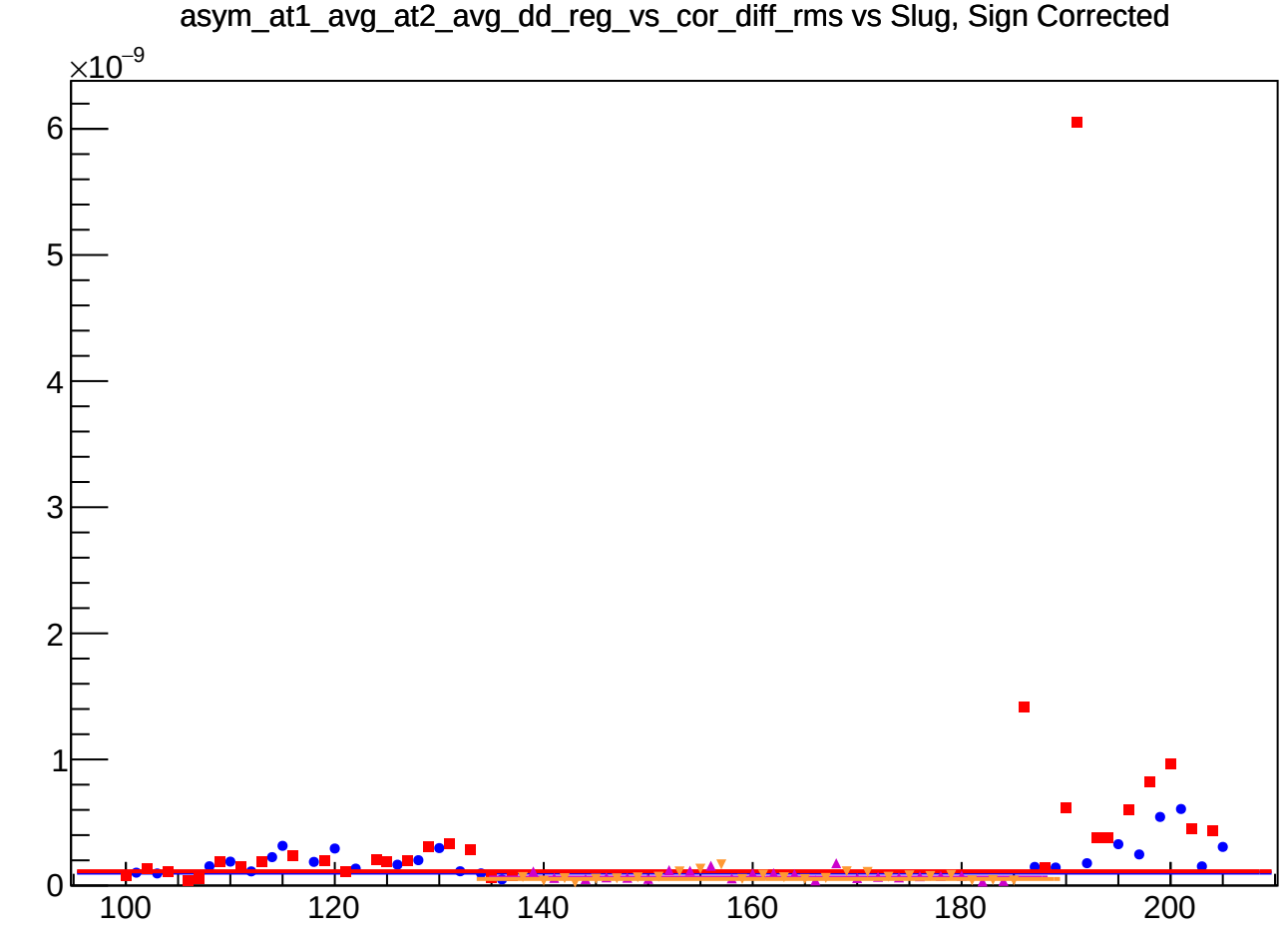
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 56.4/54

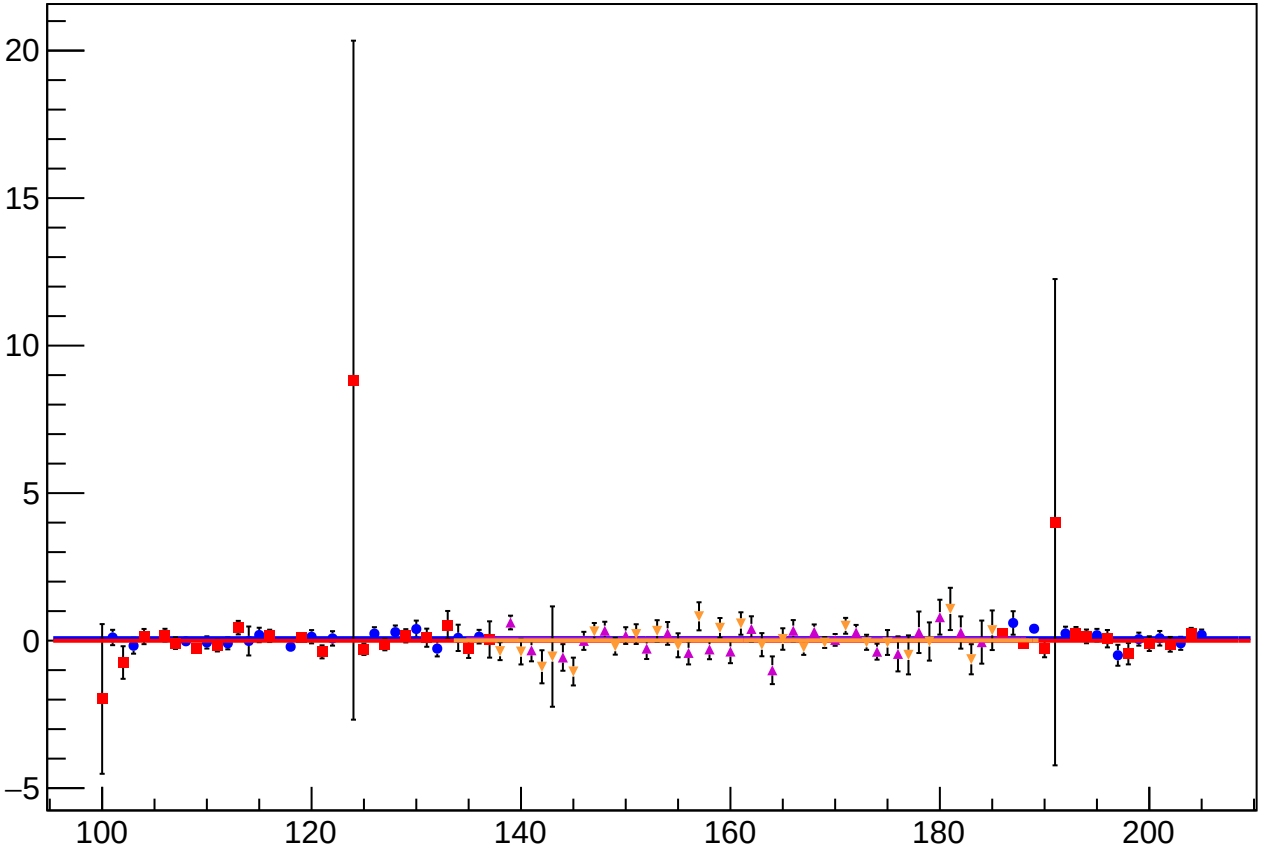
In: 0.000+/-0.000 χ^2/NDF:46.3/47

Out: 0.000+/-0.000 χ^2/NDF:58.1/54

All: 0.000+/-0.000 χ^2/NDF: 104.4/102


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3407071.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5888584.9/29
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: 9330629.7/54
In: 0.000+/-0.000 χ²/NDF:5996277.0/47
Out: 0.000+/-0.000 χ²/NDF:10272463.3/54
All: 0.000+/-0.000 χ²/NDF: 16501952.0/102

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

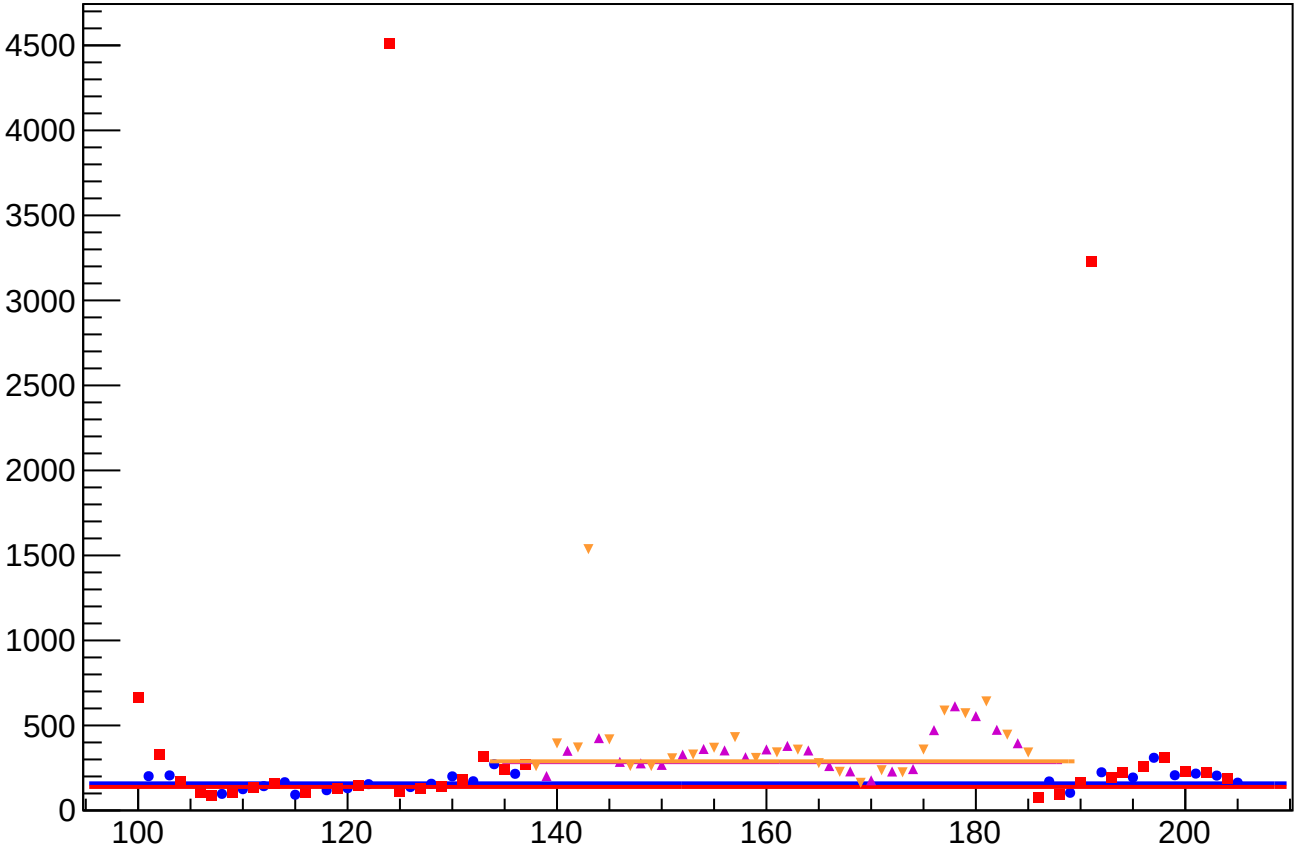
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

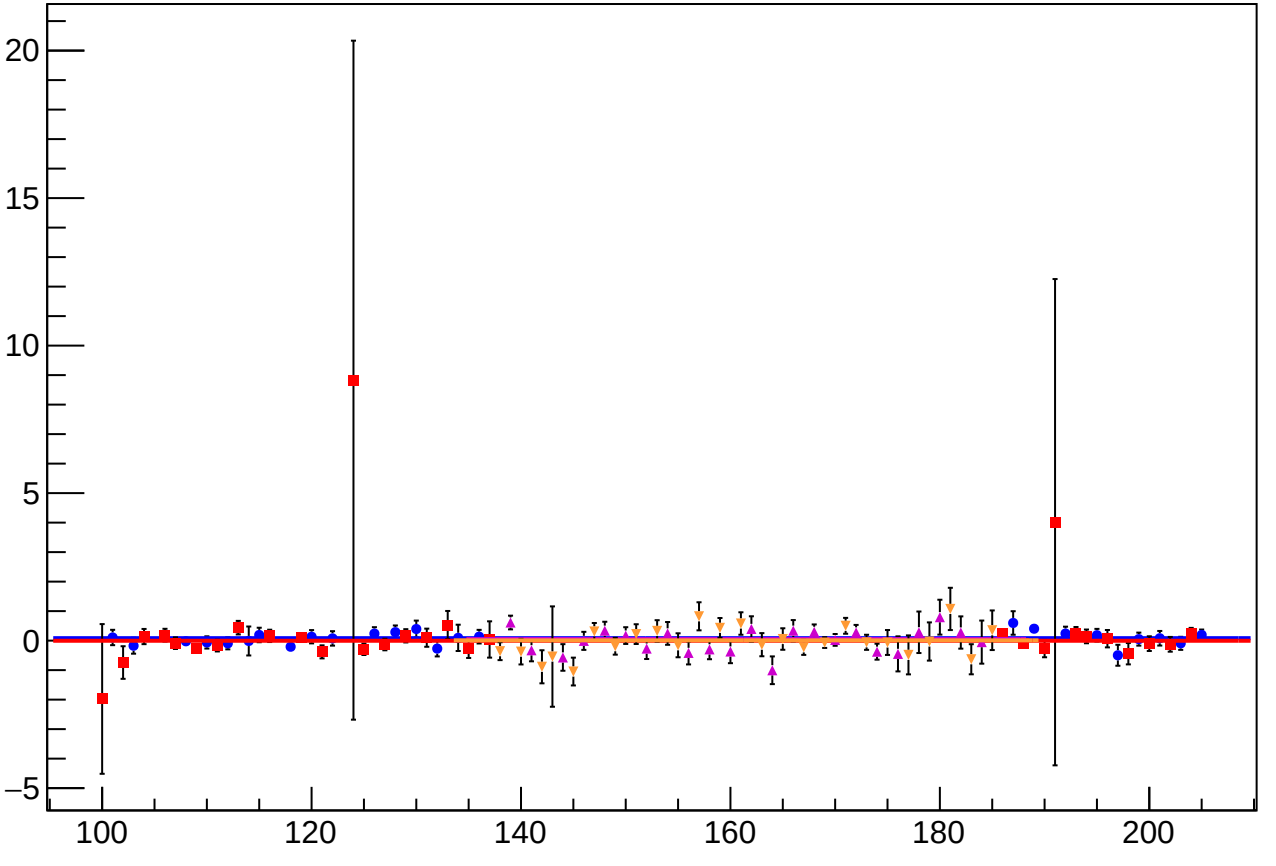
Right: 147.564+/-0.021 χ^2/NDF: 7116363.2/54

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

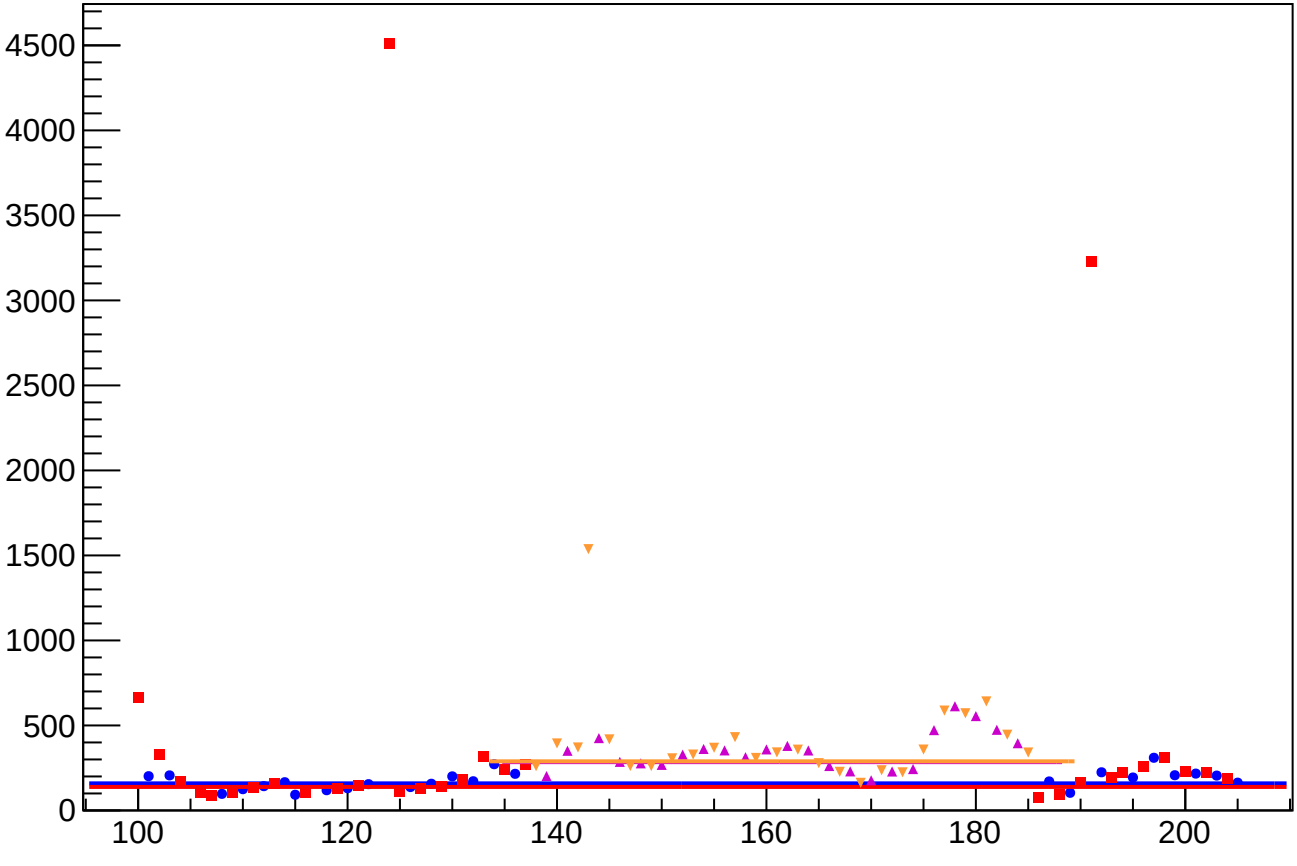
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

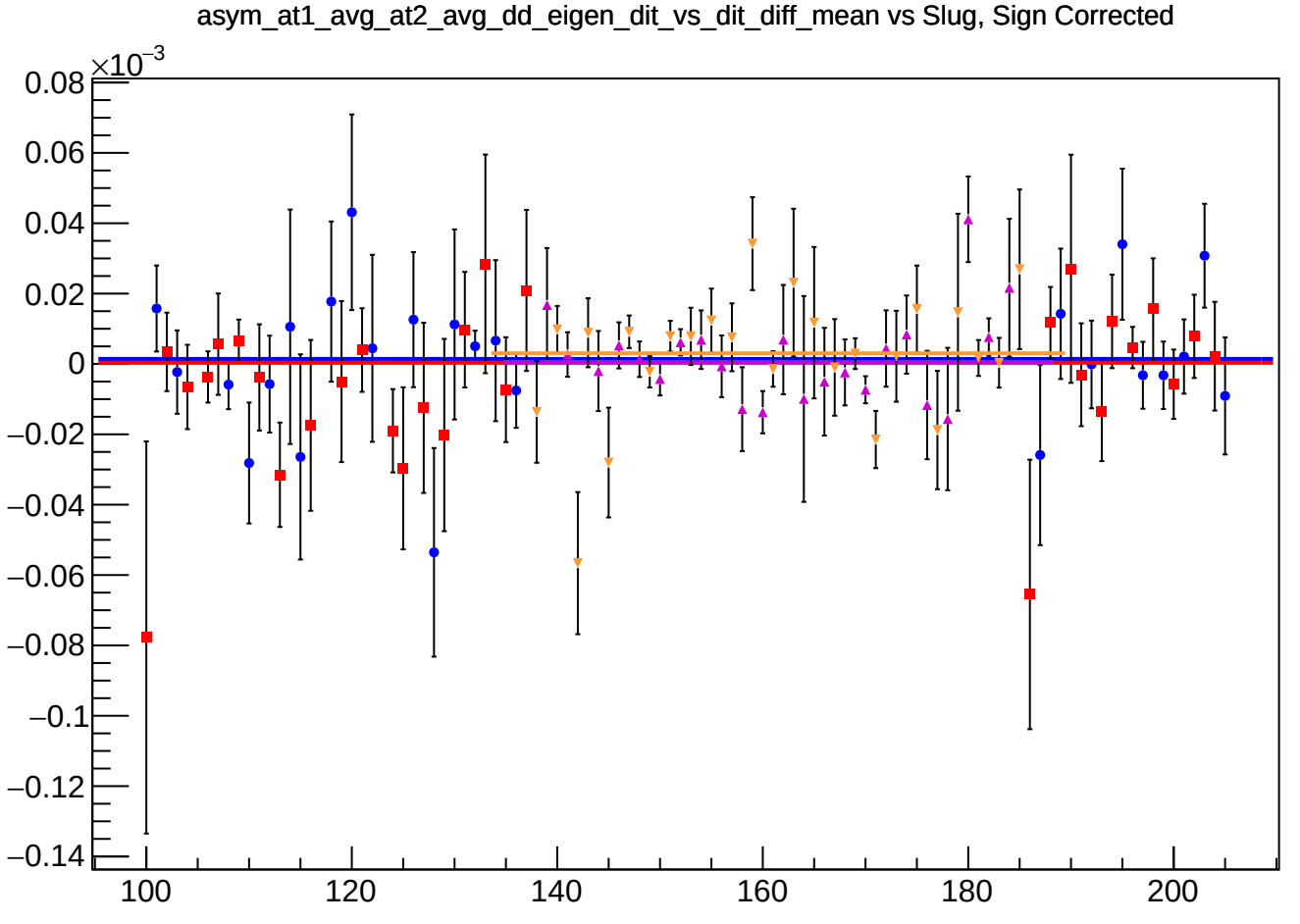
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.564+/-0.021 χ^2/NDF: 7116363.2/54

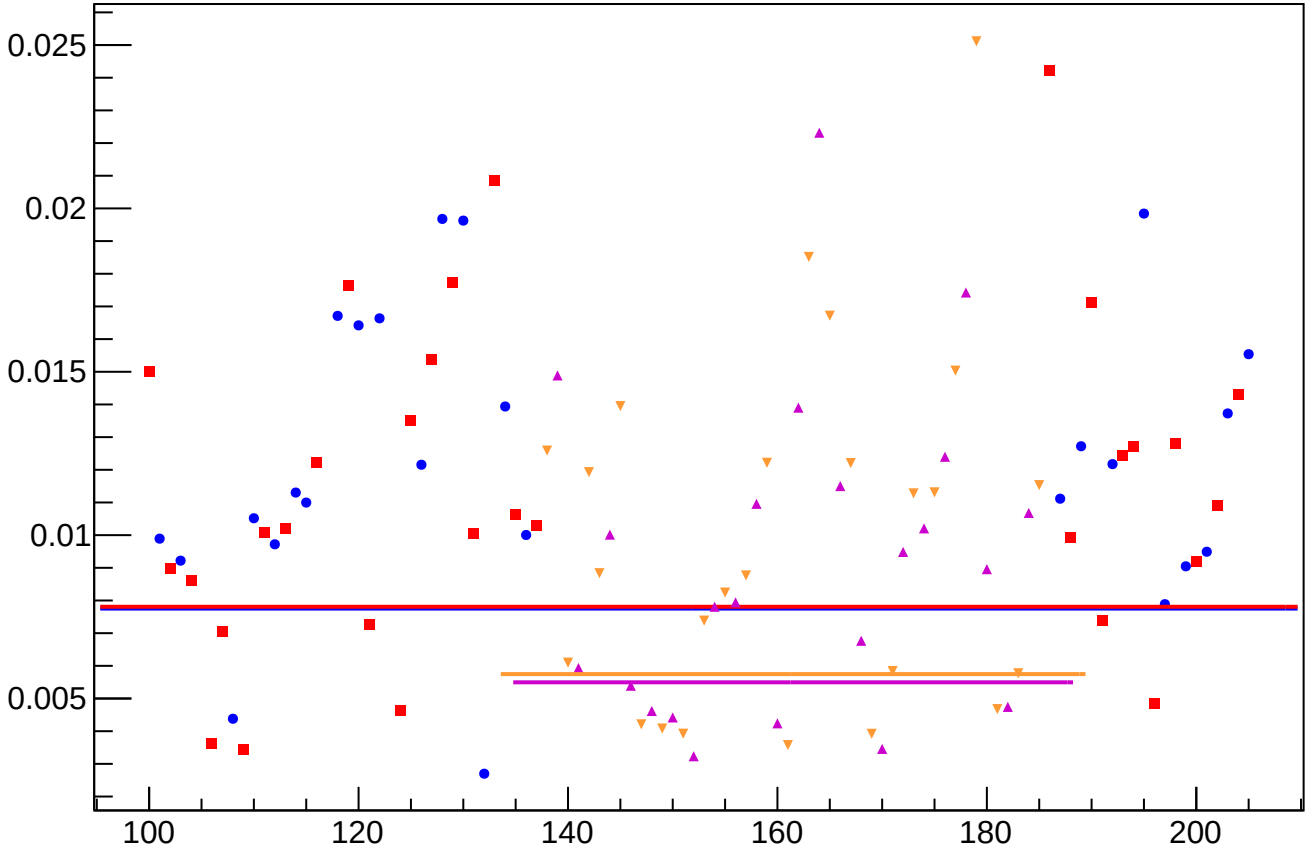
In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10


asym_at1_avg_at2_avg_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
−0.12
−0.14
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.7/24
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.9/29
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: 0.000+/-0.000 χ²/NDF: 49.7/54
In: 0.000+/-0.000 χ²/NDF:56.9/47
Out: 0.000+/-0.000 χ²/NDF:69.1/54
All: 0.000+/-0.000 χ²/NDF: 126.6/102

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

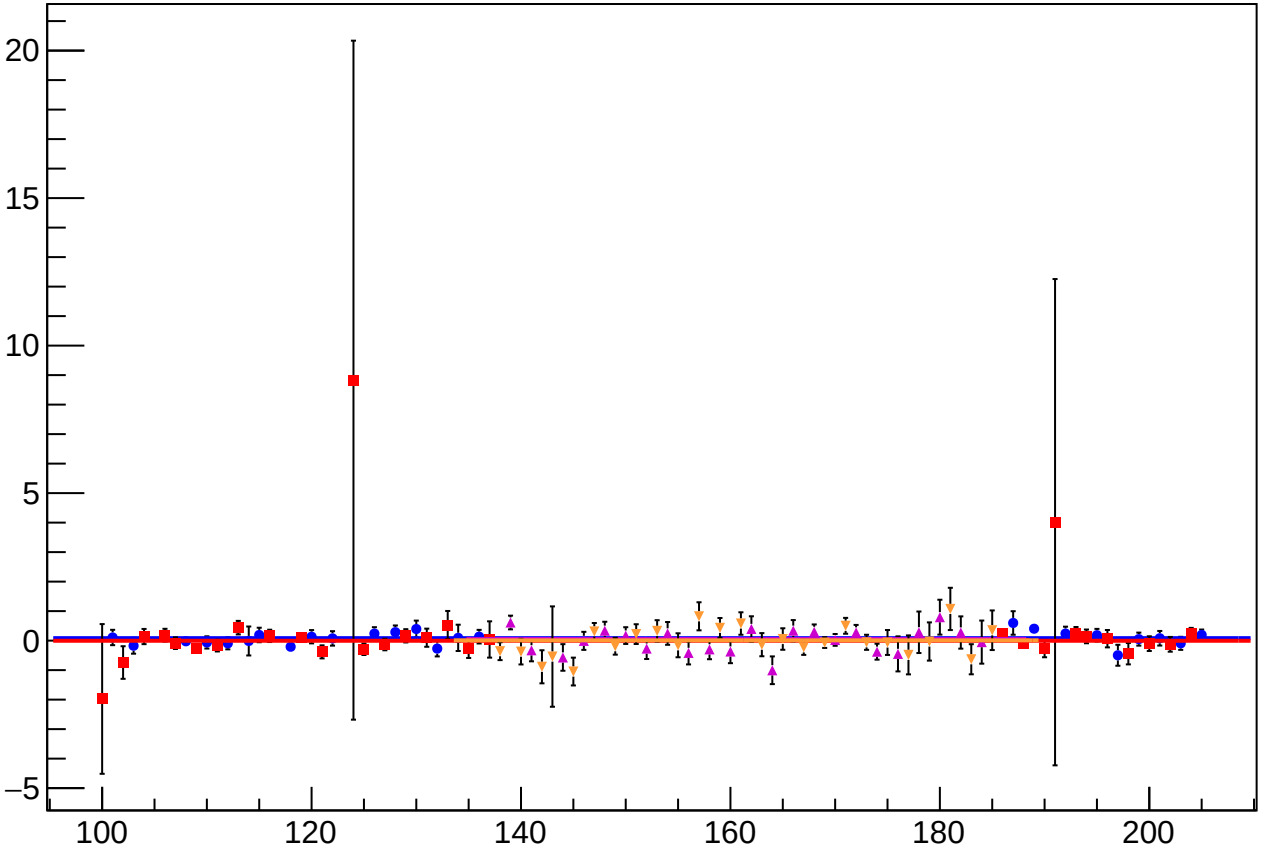
Right: 0.008+/-0.000 χ^2/NDF: 12957040.3/54

In: 0.006+/-0.000 χ^2/NDF:15181119.2/47

Out: 0.006+/-0.000 χ^2/NDF:15210789.0/54

All: 0.006+/-0.000 χ^2/NDF: 30431873.0/102

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

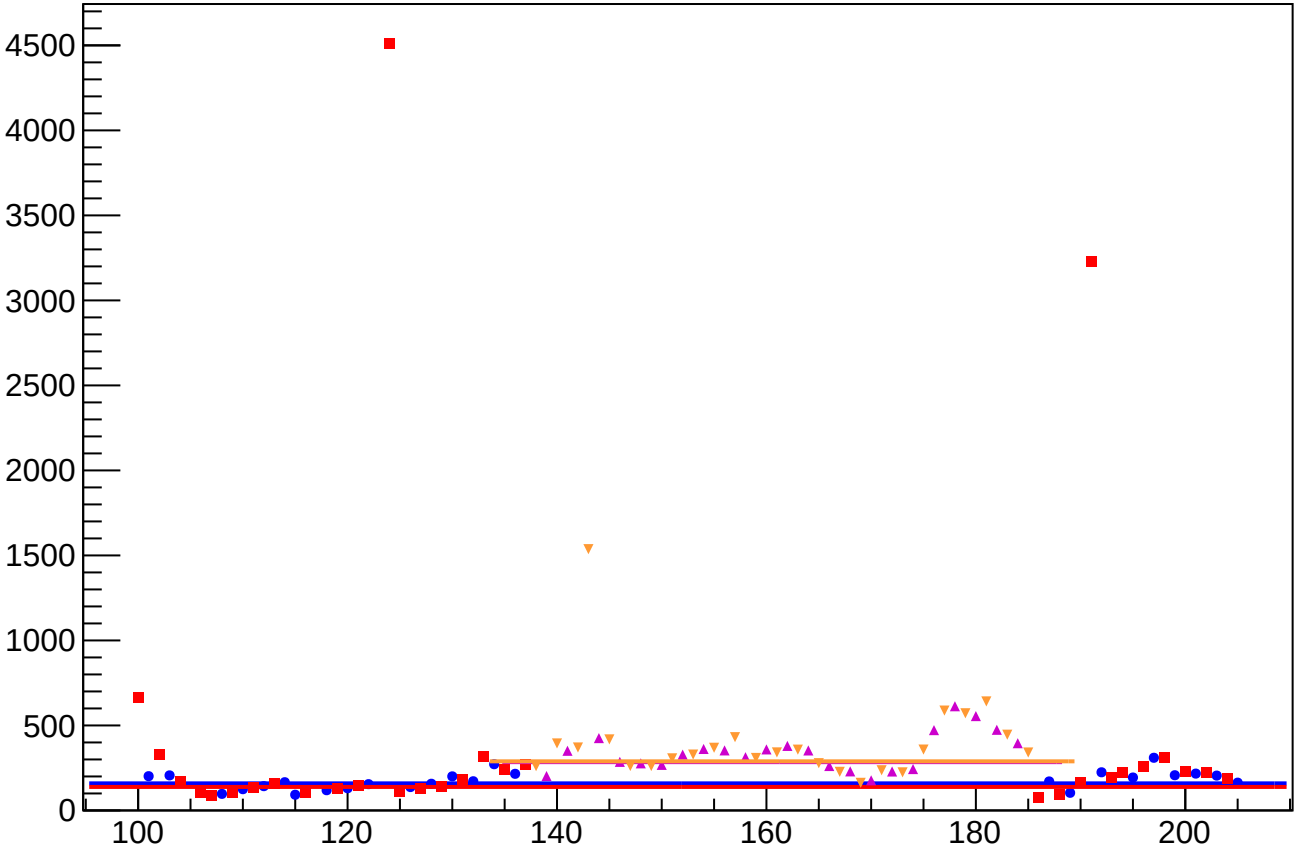
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

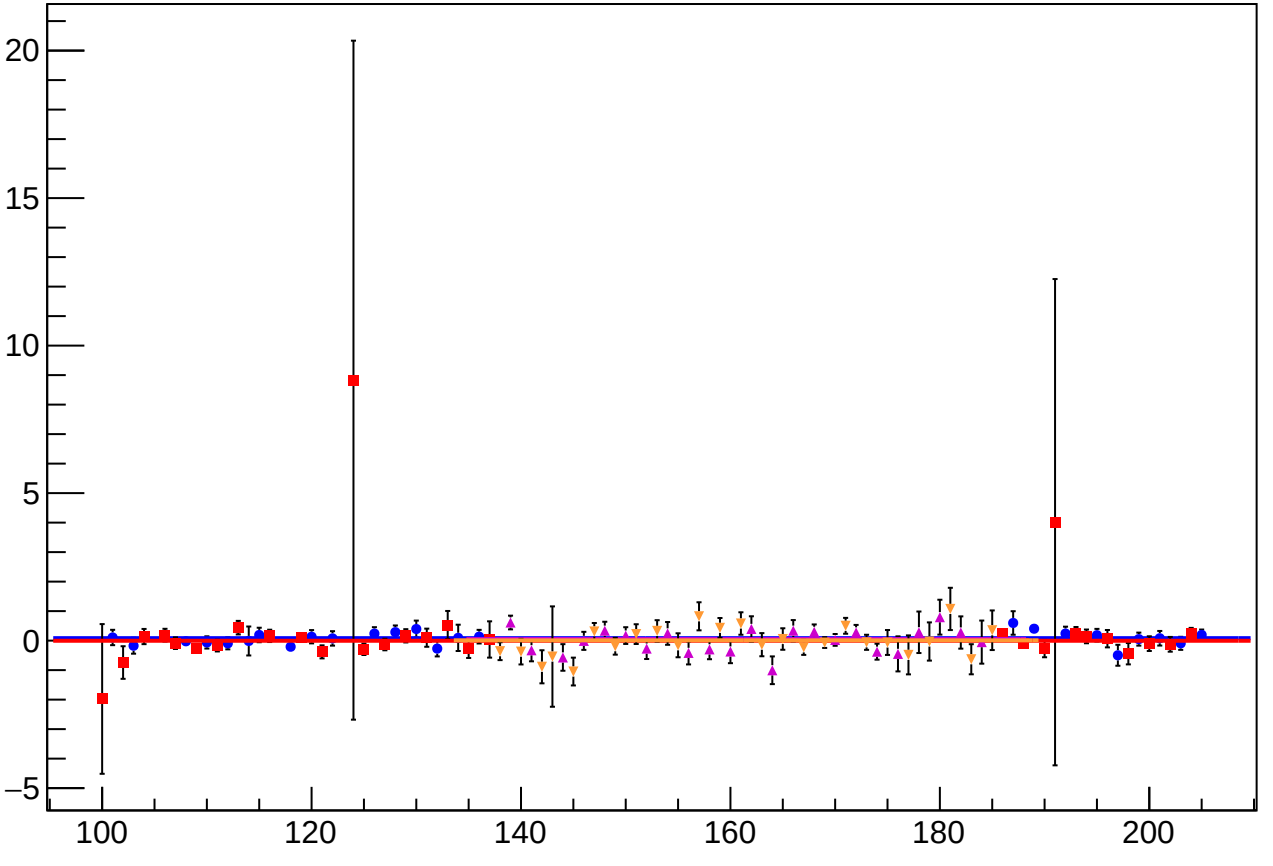
Right: 147.565+/-0.021 χ^2/NDF: 7116149.5/54

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

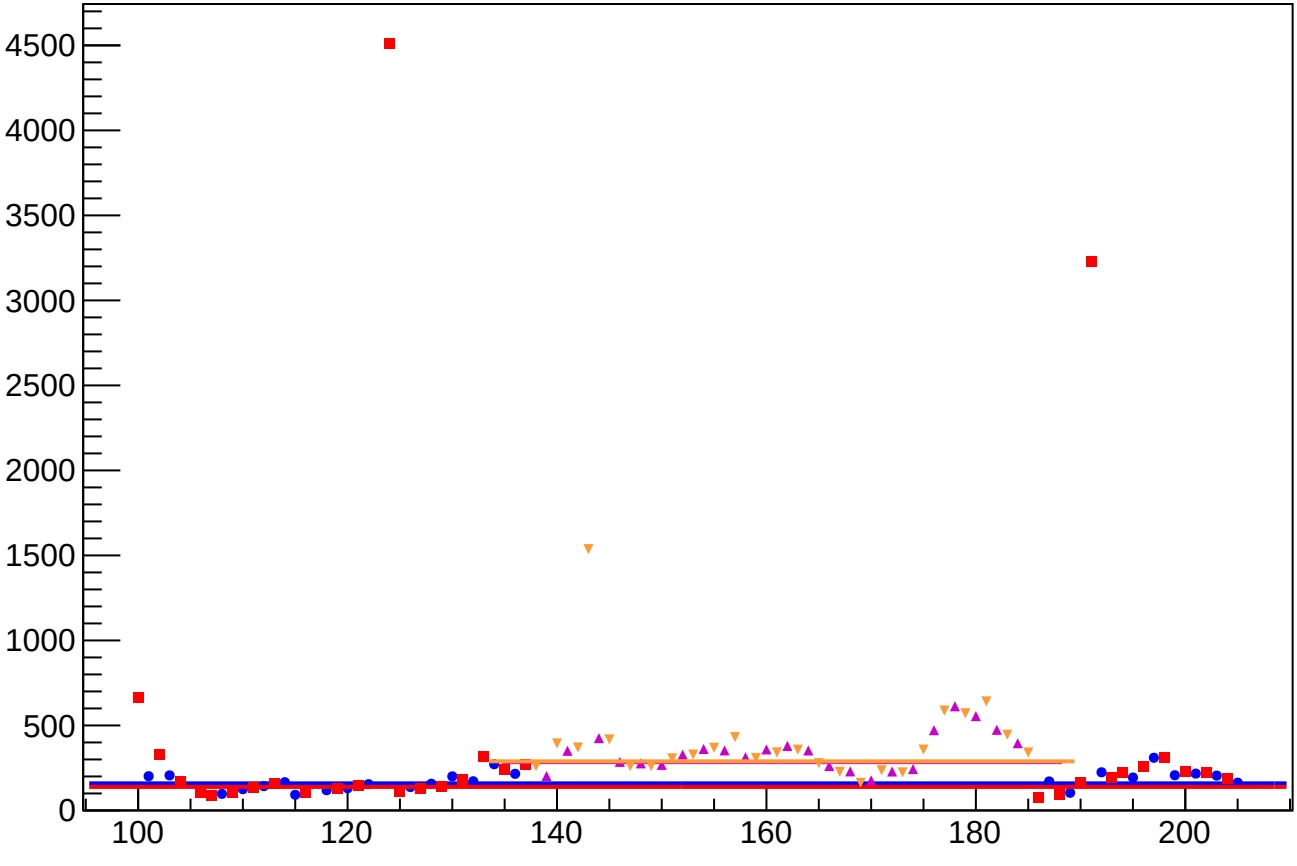
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

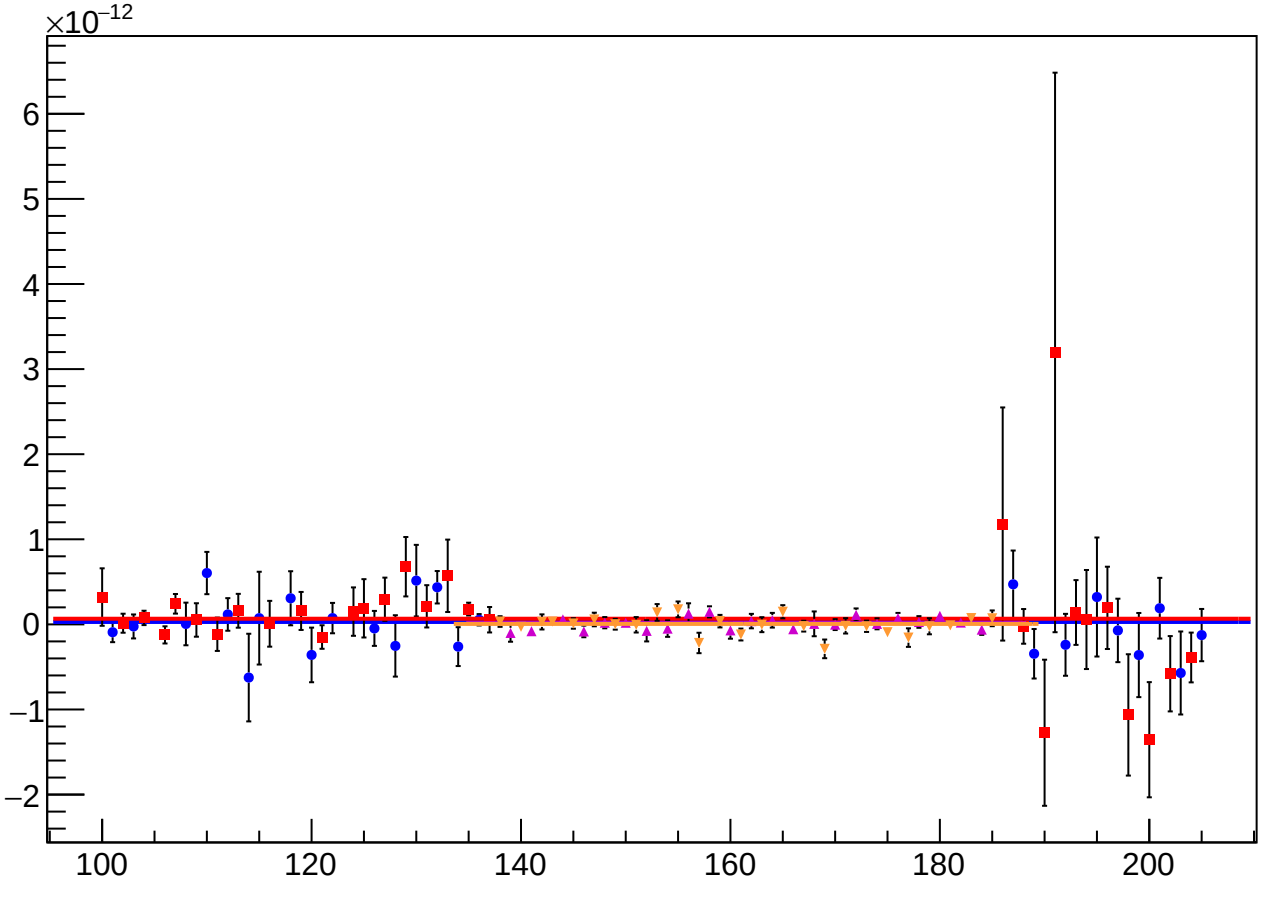
Right: 147.565+/-0.021 χ^2/NDF: 7116149.5/54

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.3/29

Left In: 0.000+/-0.000 χ^2/NDF:23.2/22

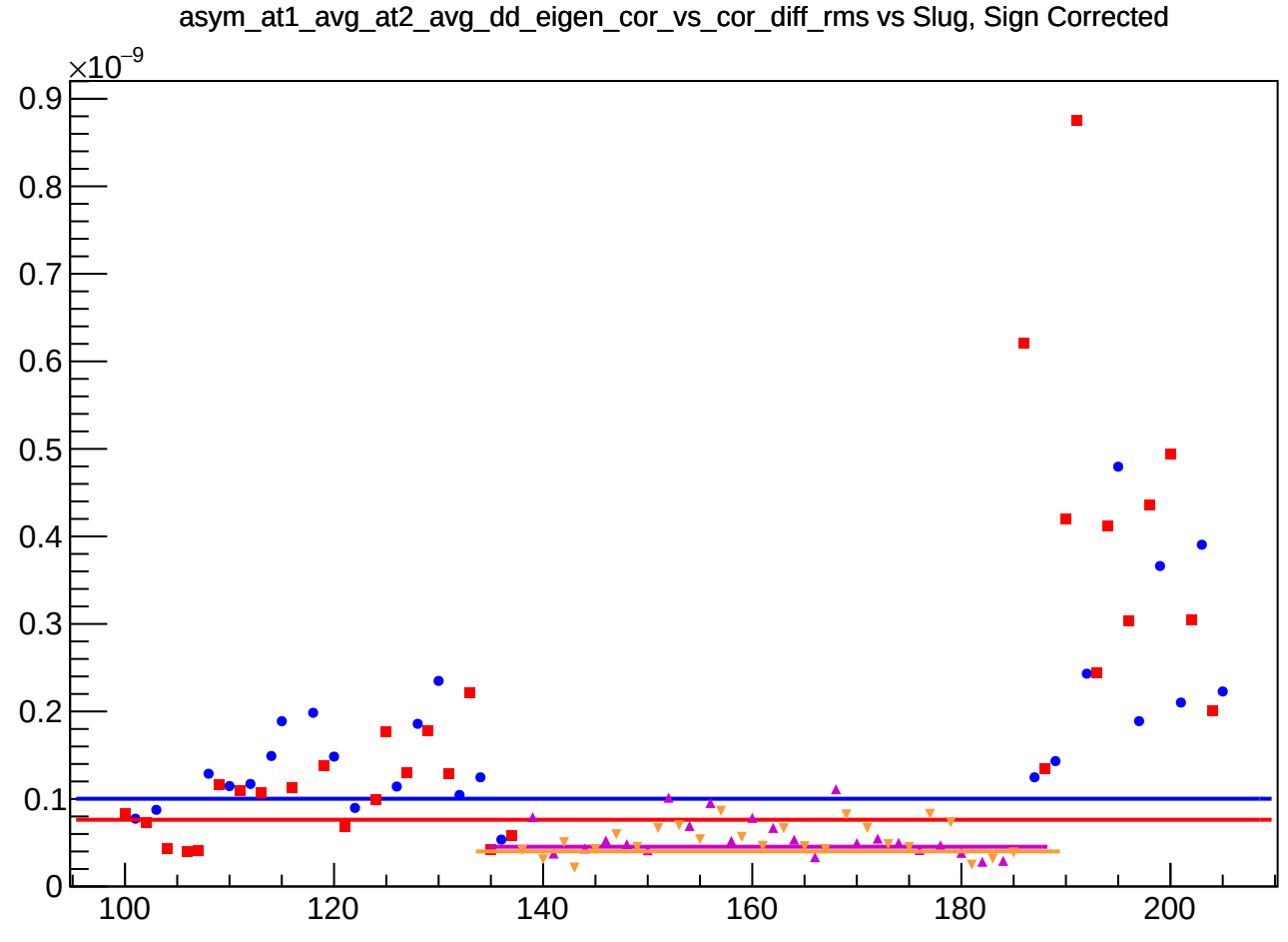
Left: 0.000+/-0.000 χ^2/NDF: 57.6/47

Right: 0.000+/-0.000 χ^2/NDF: 60.2/54

In: 0.000+/-0.000 χ^2/NDF:48.7/47

Out: 0.000+/-0.000 χ^2/NDF:71.4/54

All: 0.000+/-0.000 χ^2/NDF: 120.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

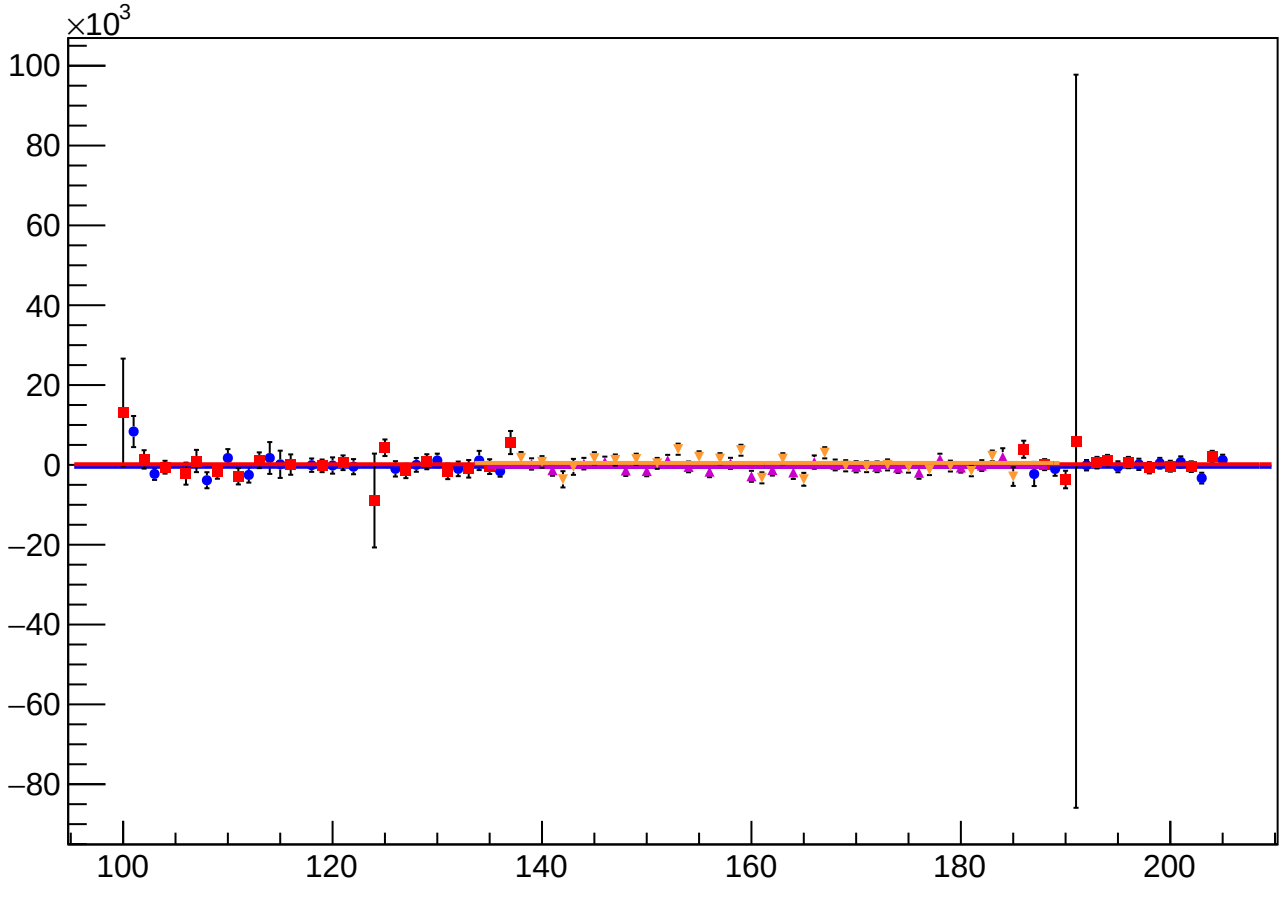
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12000346.4/54

In: 0.000+/-0.000 χ^2/NDF:10707213.1/47

Out: 0.000+/-0.000 χ^2/NDF:12658284.9/54

All: 0.000+/-0.000 χ^2/NDF: 23649097.8/102



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 157.833+/-336.785 χ^2/NDF: 25.7/29

Left In: -486.821+/-293.769 χ^2/NDF:14.4/22

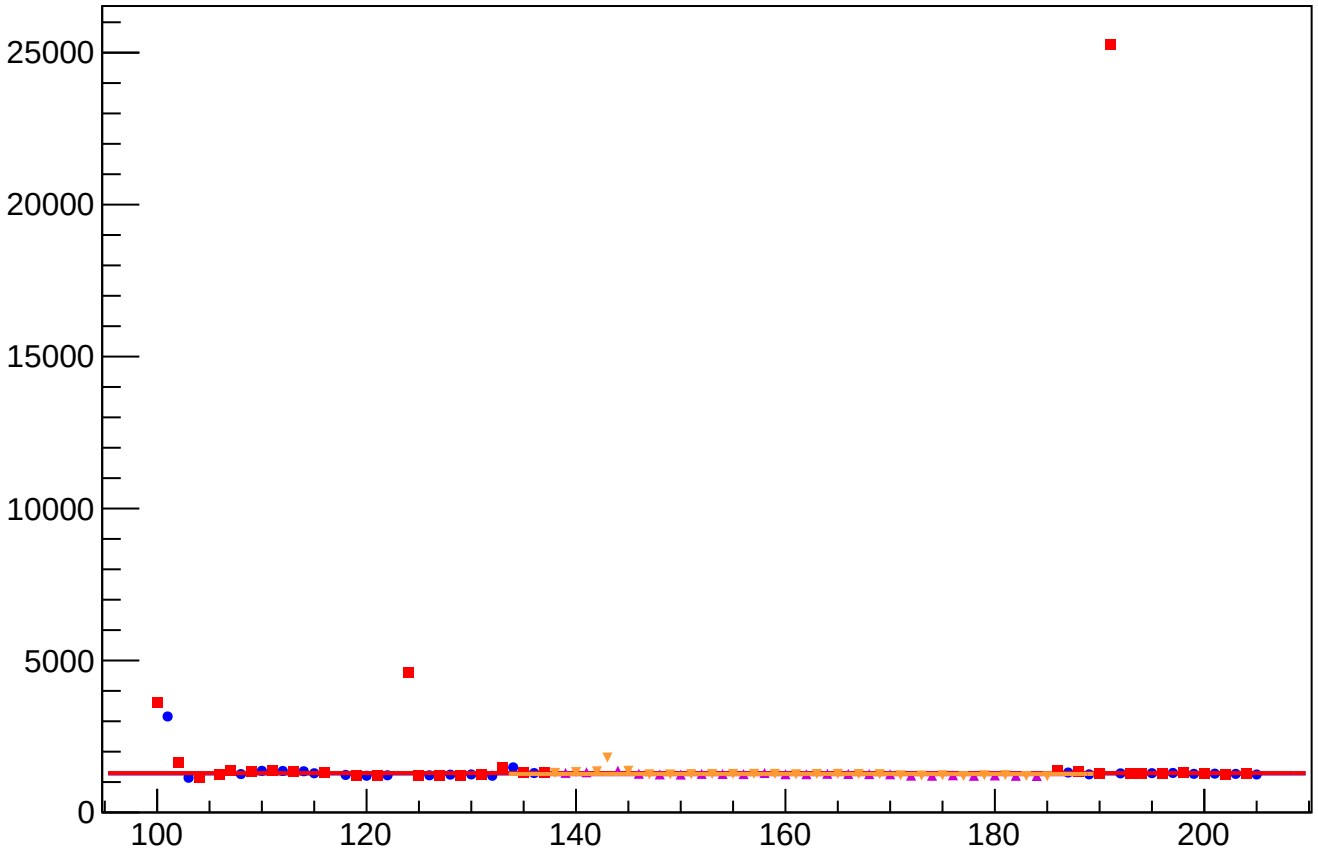
Left: 11.486+/-205.836 χ^2/NDF: 67.0/47

Right: -152.109+/-240.999 χ^2/NDF: 49.4/54

In: -482.852+/-223.671 χ^2/NDF:36.3/47

Out: 350.607+/-219.099 χ^2/NDF:73.2/54

All: -57.517+/-156.518 χ^2/NDF: 116.6/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1295.521+/-0.238 χ^2/NDF: 468116.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

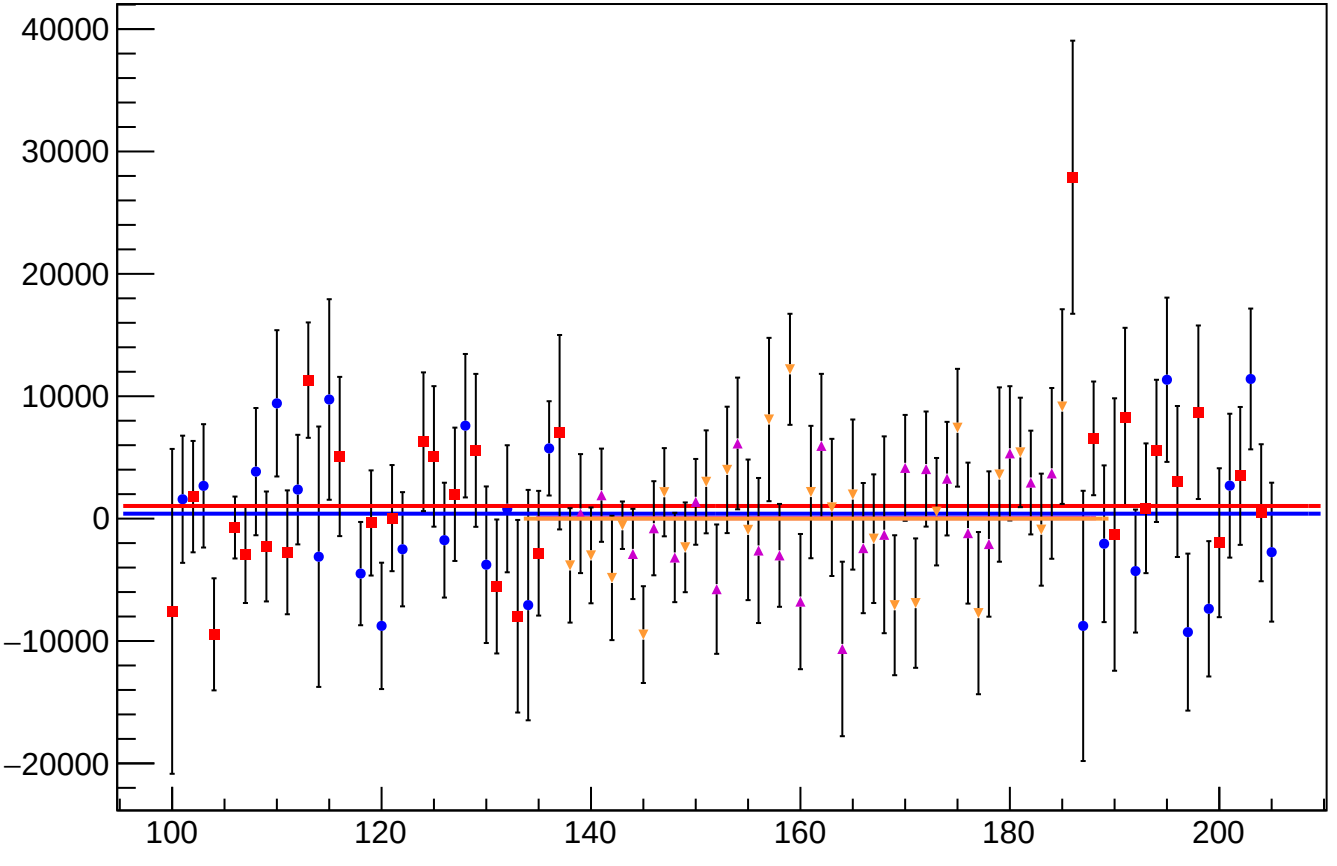
Right: 1289.364+/-0.170 χ^2/NDF: 987391.2/54

In: 1268.199+/-0.158 χ^2/NDF:560967.5/47

Out: 1279.069+/-0.155 χ^2/NDF:663965.9/54

All: 1273.750+/-0.111 χ^2/NDF: 1227345.3/10

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

Right Out: 1033.051+/-956.478 χ^2/NDF: 29.9/29

Left In: 31.593+/-995.348 χ^2/NDF:14.0/22

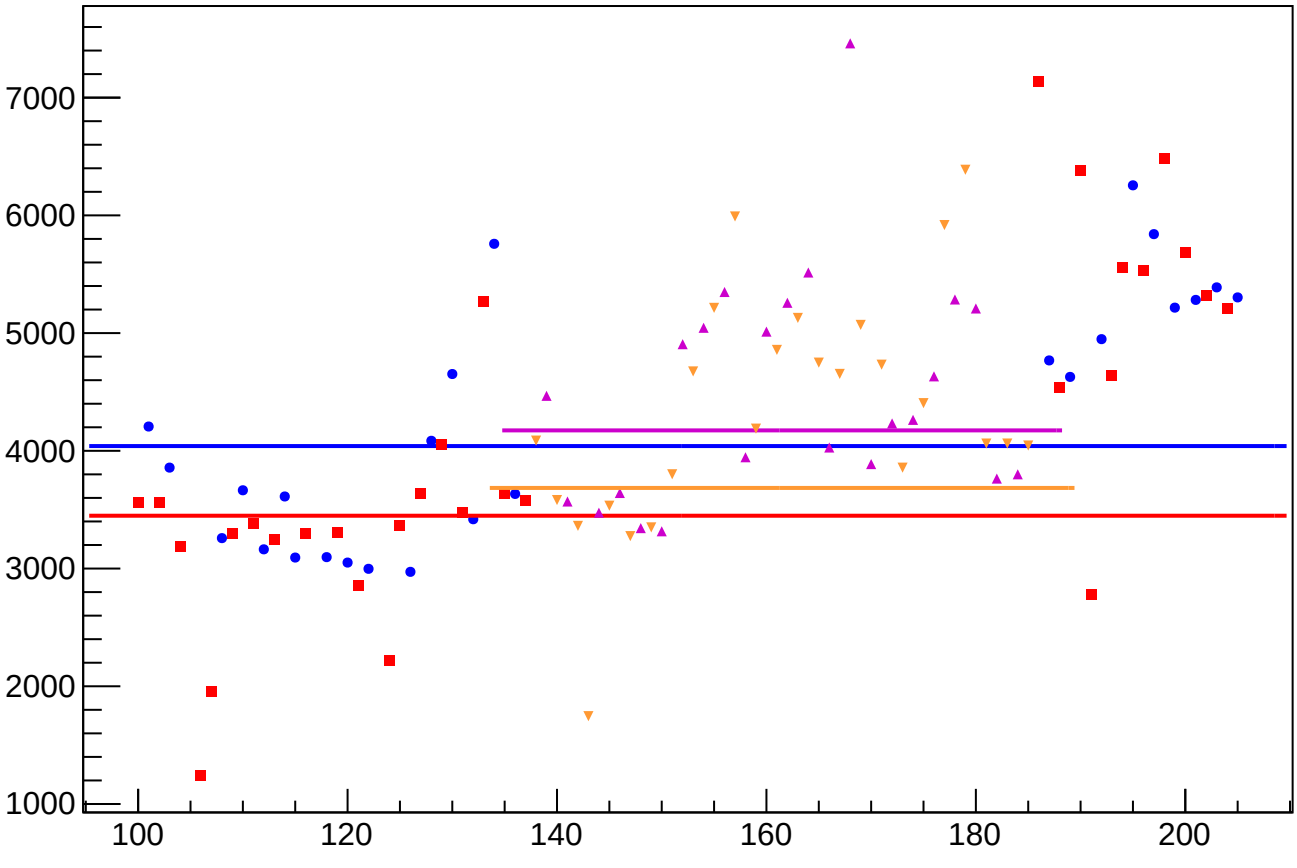
Left: 13.638+/-661.996 χ^2/NDF: 43.1/47

Right: 764.878+/-724.711 χ^2/NDF: 57.0/54

In: 197.234+/-741.186 χ^2/NDF:41.0/47

Out: 477.025+/-650.179 χ^2/NDF:59.6/54

All: 355.352+/-488.773 χ^2/NDF: 100.7/102



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3448.723+/-0.676 χ^2/NDF: 4215986.4/29

Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

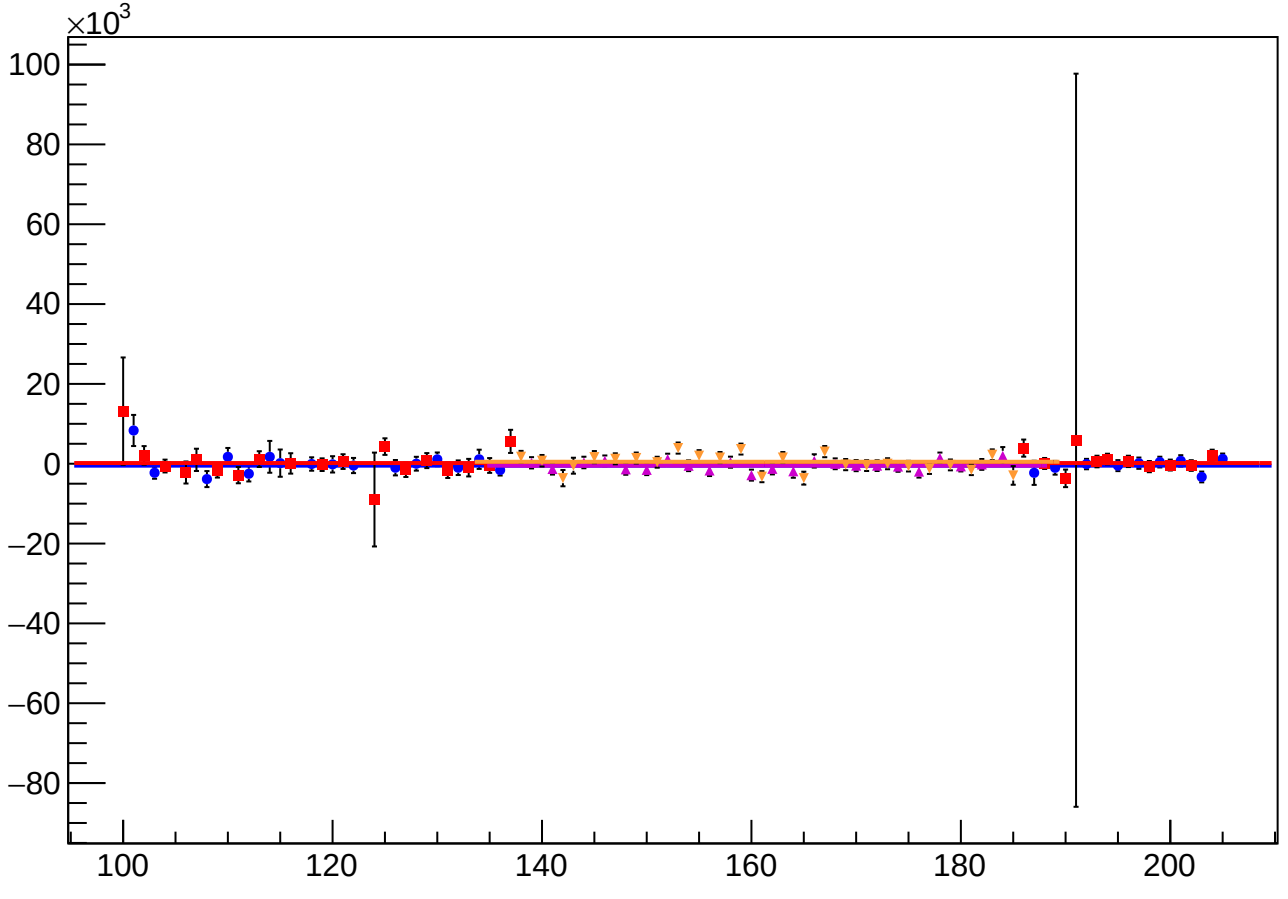
Left: 3900.981+/-0.468 χ^2/NDF: 5237573.9/47

Right: 3700.734+/-0.512 χ^2/NDF: 6074095.8/54

In: 4114.246+/-0.524 χ^2/NDF:2823029.3/47

Out: 3575.697+/-0.460 χ^2/NDF:7975155.8/54

All: 3809.896+/-0.346 χ^2/NDF: 11394910.5/1



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

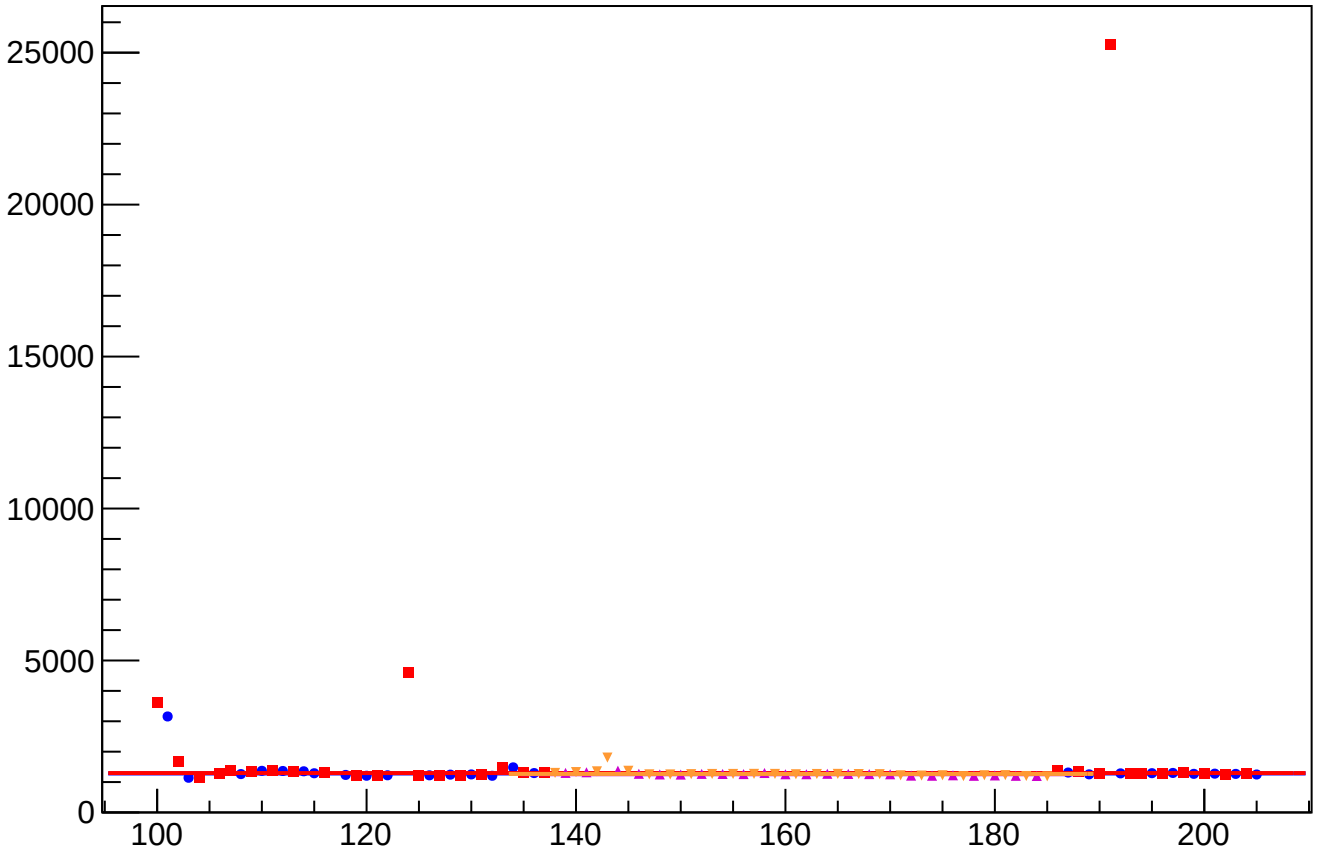
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -145.141+/-241.038 χ^2/NDF: 49.8/54

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -54.532+/-156.528 χ^2/NDF: 117.0/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

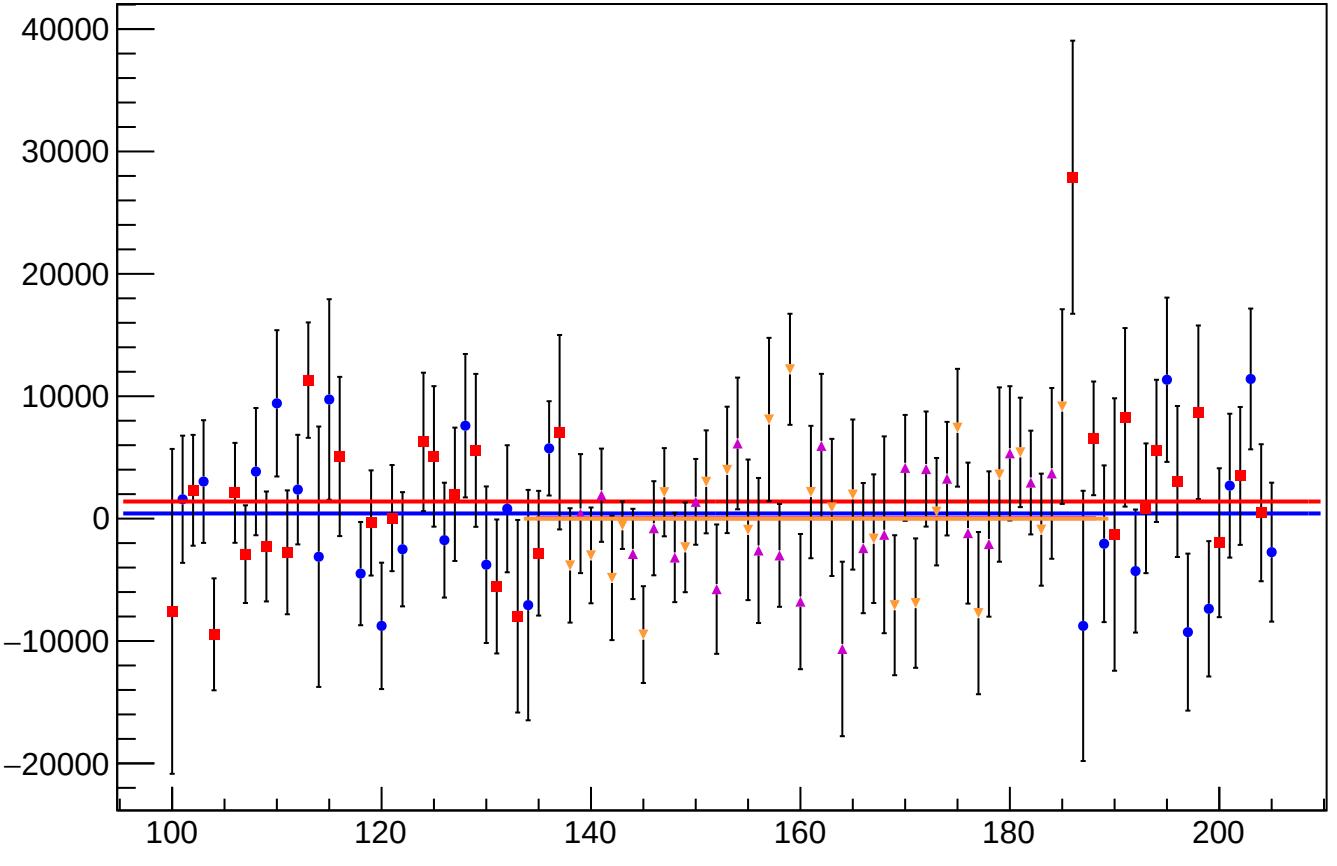
Right: 1289.853+/-0.170 χ^2/NDF: 994267.4/54

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

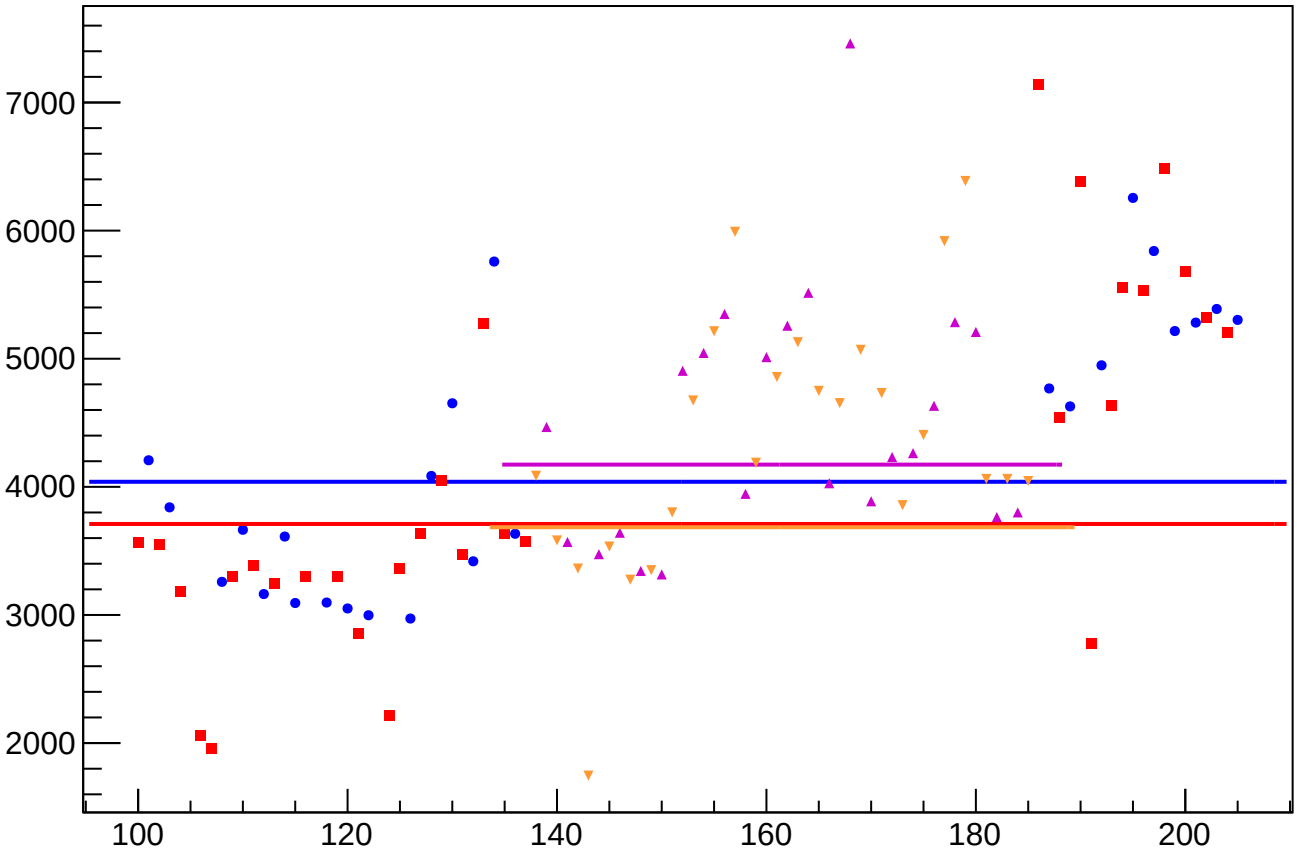
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

Right: 960.147+/-743.559 χ^2/NDF: 56.8/54

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 432.172+/-494.433 χ^2/NDF: 100.8/102



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3710.282+/-0.708 χ^2/NDF: 2787691.8/29

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

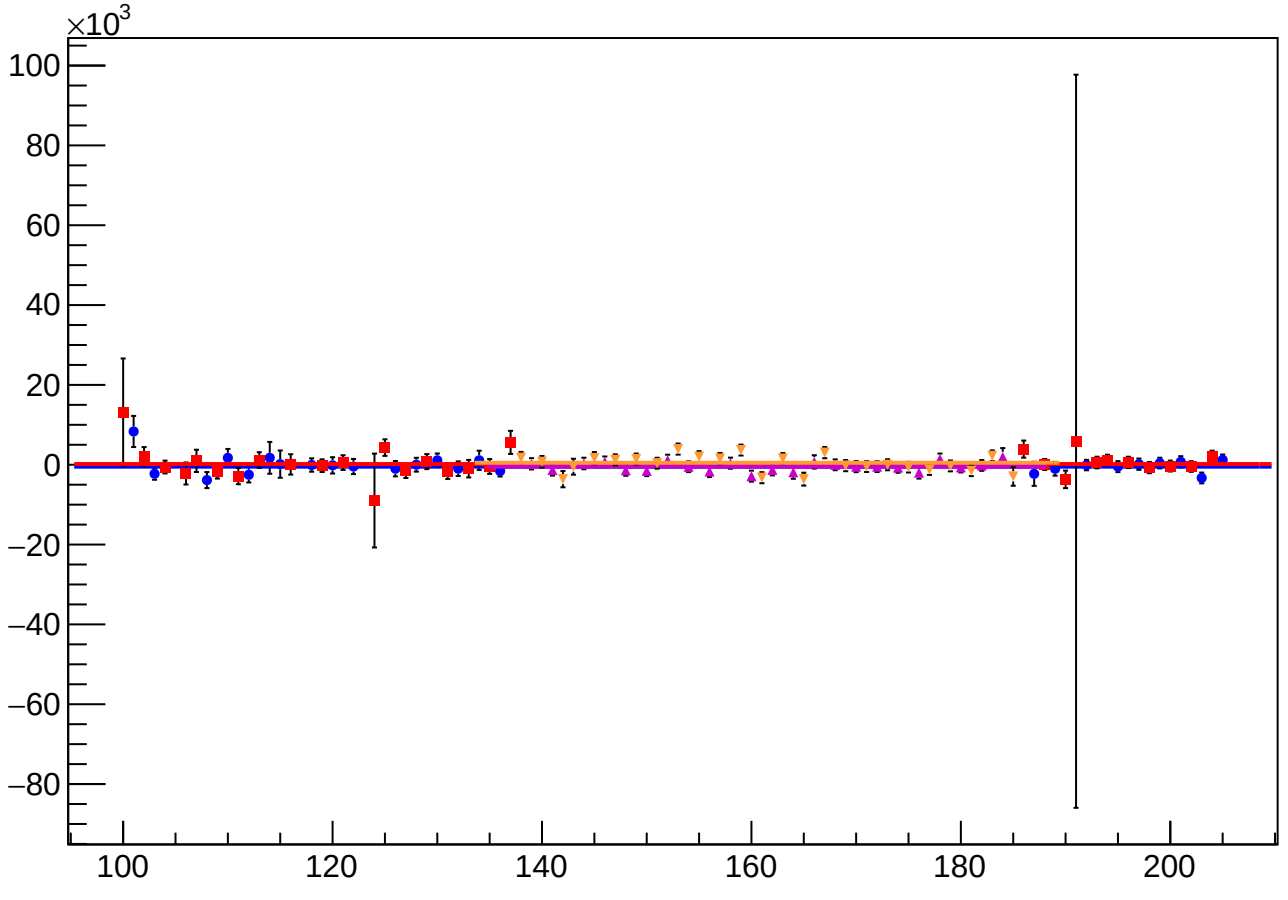
Left: 3900.975+/-0.468 χ^2/NDF: 5237615.0/47

Right: 3857.970+/-0.526 χ^2/NDF: 4417396.3/54

In: 4113.826+/-0.524 χ^2/NDF:2823835.3/47

Out: 3695.975+/-0.469 χ^2/NDF:6482107.3/54

All: 3881.960+/-0.350 χ^2/NDF: 9658743.2/10



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 171.779+/-336.892 χ^2/NDF: 26.1/29

Left In: -486.720+/-293.769 χ^2/NDF:14.4/22

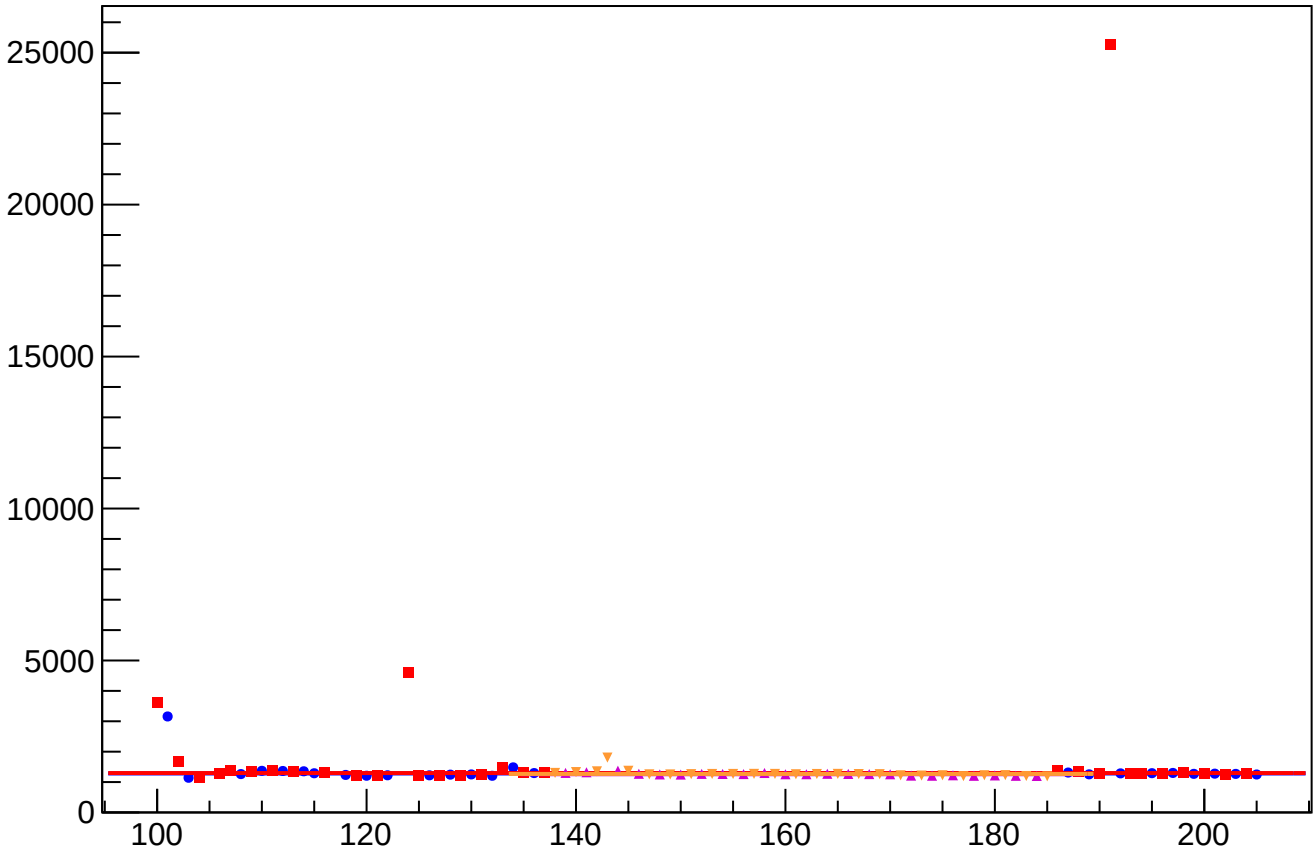
Left: 11.544+/-205.836 χ^2/NDF: 67.0/47

Right: -145.141+/-241.038 χ^2/NDF: 49.8/54

In: -482.855+/-223.671 χ^2/NDF:36.3/47

Out: 356.568+/-219.128 χ^2/NDF:73.6/54

All: -54.532+/-156.528 χ^2/NDF: 117.0/102



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

Right Out: 1296.485+/-0.238 χ^2/NDF: 474774.8/29

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

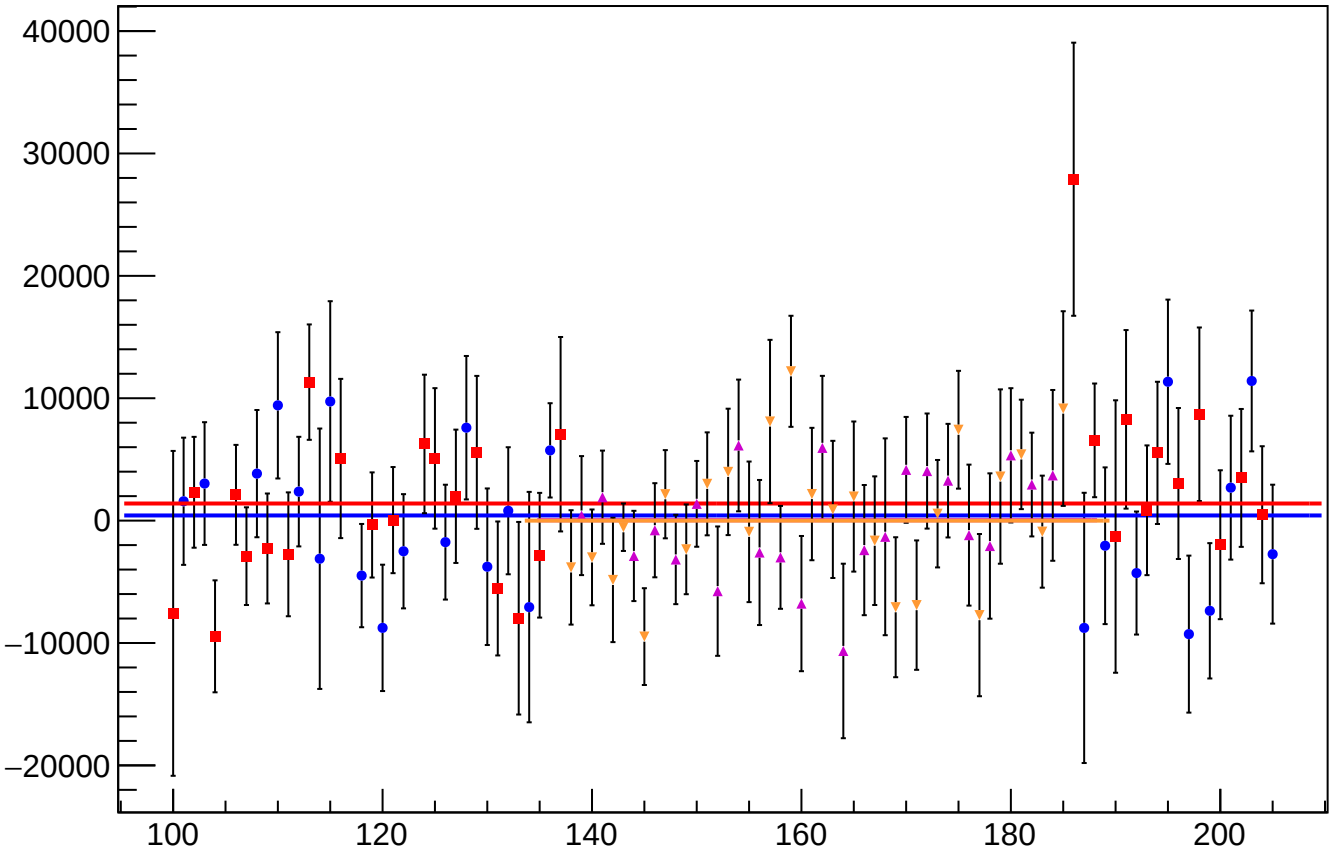
Left: 1262.345+/-0.146 χ^2/NDF: 225407.9/47

Right: 1289.853+/-0.170 χ^2/NDF: 994267.4/54

In: 1268.199+/-0.158 χ^2/NDF:560968.9/47

Out: 1279.468+/-0.155 χ^2/NDF:671187.1/54

All: 1273.952+/-0.111 χ^2/NDF: 1234747.2/10



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

Right Out: 1398.163+/-1001.314 χ^2/NDF: 29.4/29

Left In: 31.597+/-995.347 χ^2/NDF:14.0/22

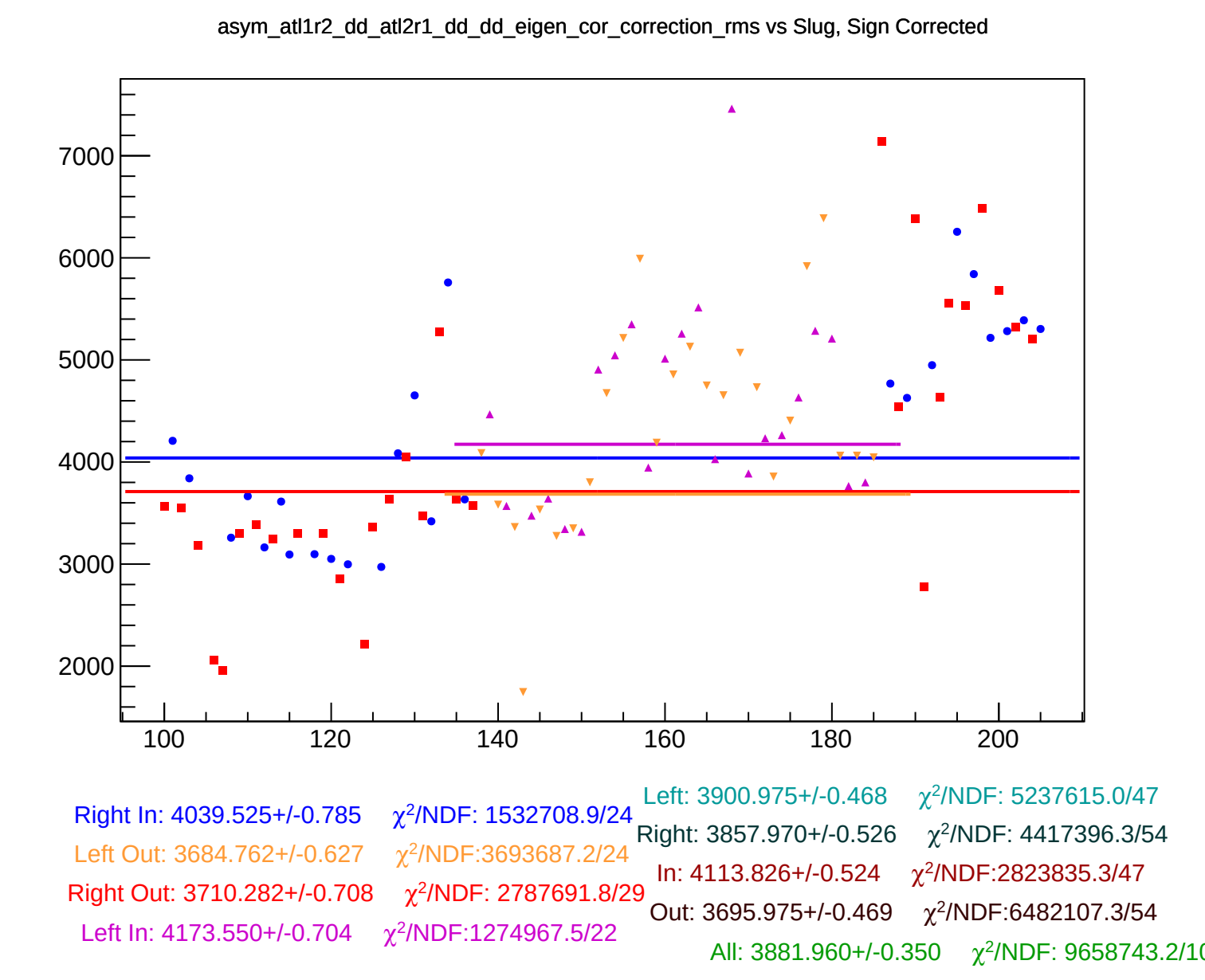
Left: 13.675+/-661.996 χ^2/NDF: 43.1/47

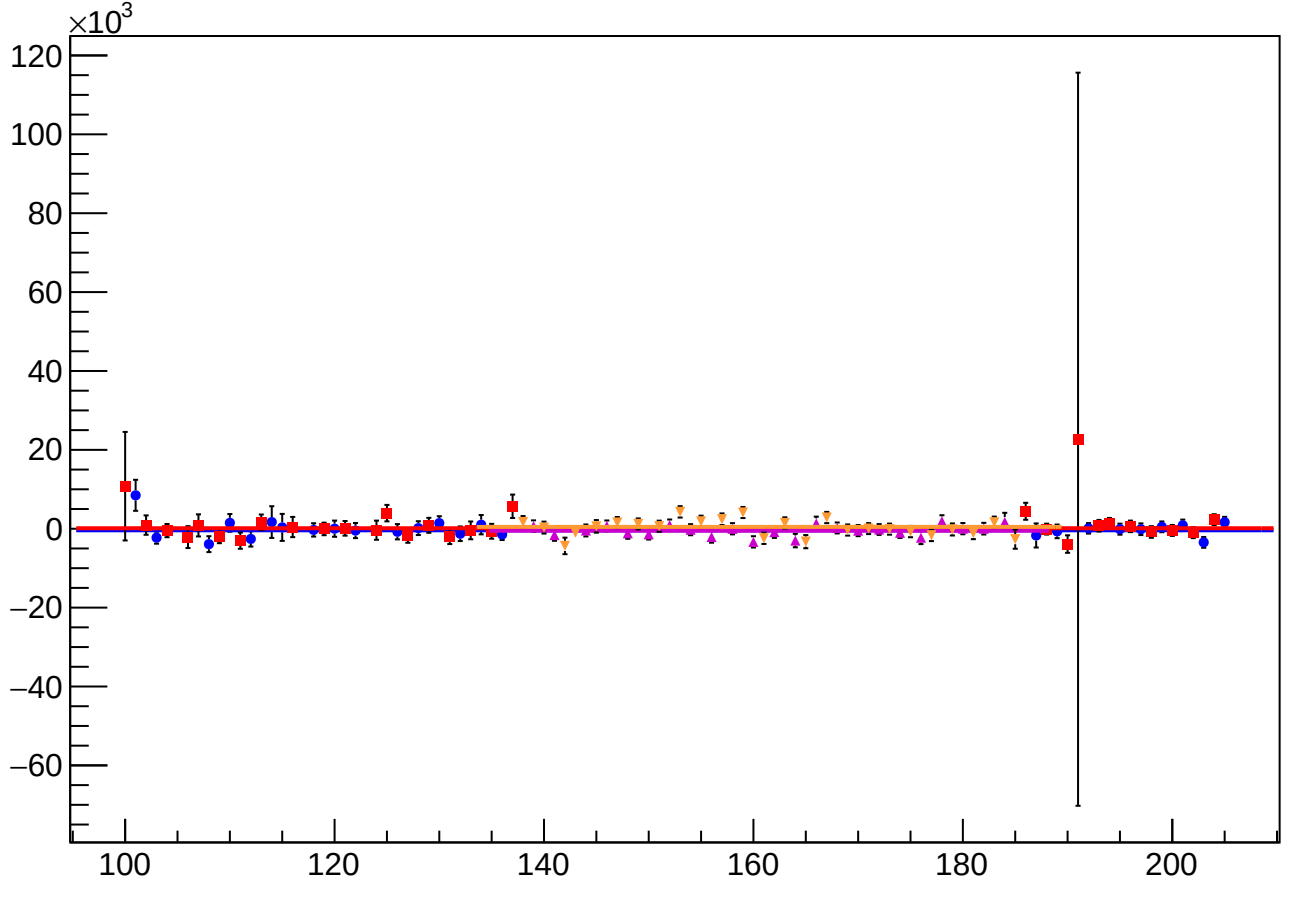
Right: 960.147+/-743.559 χ^2/NDF: 56.8/54

In: 205.428+/-741.106 χ^2/NDF:41.1/47

Out: 614.047+/-663.742 χ^2/NDF:59.6/54

All: 432.172+/-494.433 χ^2/NDF: 100.8/102


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 4039.525+/-0.785 χ²/NDF: 1532708.9/24
Left Out: 3684.762+/-0.627 χ²/NDF:3693687.2/24
Right Out: 3710.282+/-0.708 χ²/NDF: 2787691.8/29
Left In: 4173.550+/-0.704 χ²/NDF:1274967.5/22
Left: 3900.975+/-0.468 χ²/NDF: 5237615.0/47
Right: 3857.970+/-0.526 χ²/NDF: 4417396.3/54
In: 4113.826+/-0.524 χ²/NDF:2823835.3/47
Out: 3695.975+/-0.469 χ²/NDF:6482107.3/54
All: 3881.960+/-0.350 χ²/NDF: 9658743.2/10



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.590+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.055 χ^2/NDF:17.4/22

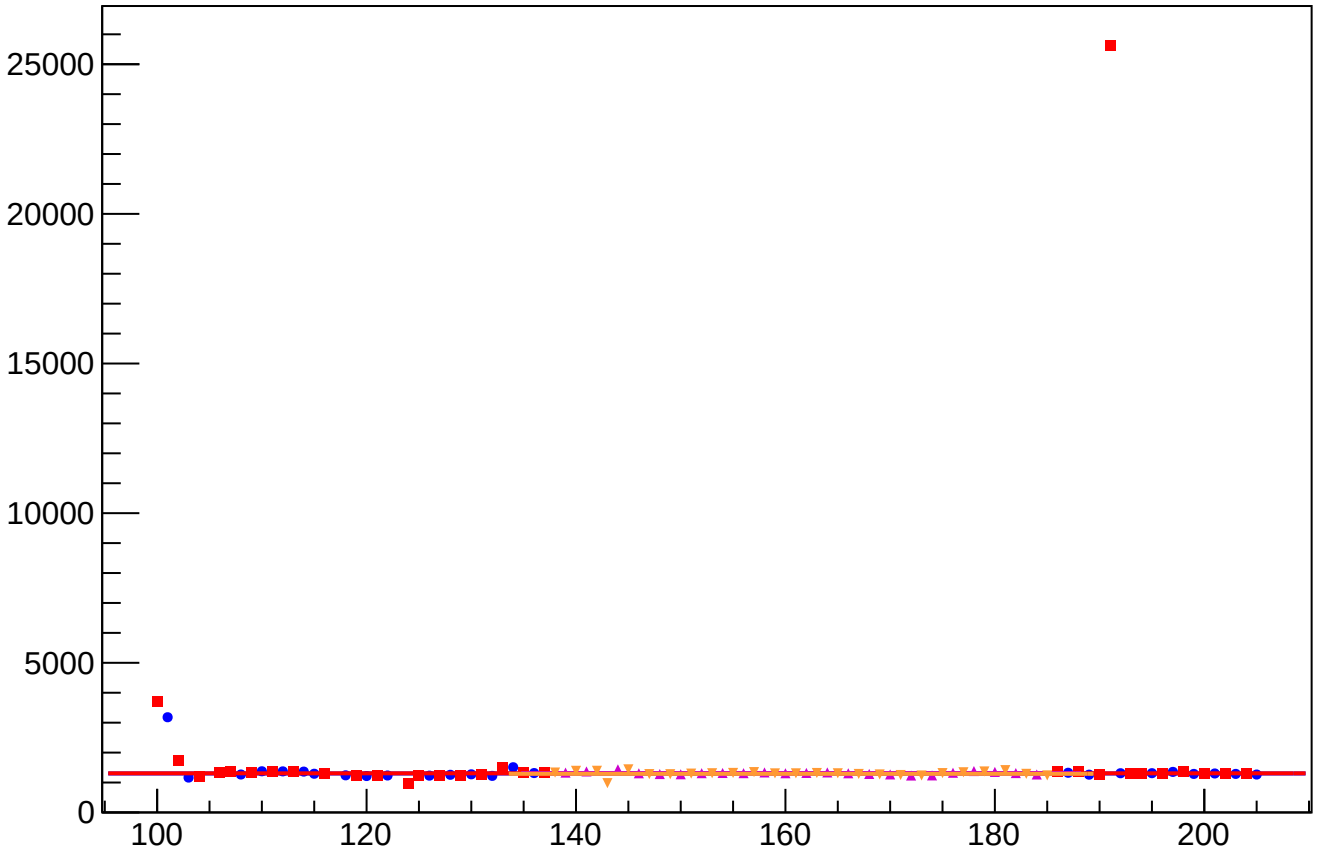
Left: 2.853+/-212.452 χ^2/NDF: 66.7/47

Right: -125.201+/-243.698 χ^2/NDF: 51.6/54

In: -455.577+/-230.859 χ^2/NDF:40.6/47

Out: 321.452+/-222.329 χ^2/NDF:72.0/54

All: -52.443+/-160.141 χ^2/NDF: 118.5/102



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.1/29

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

Left: 1302.123+/-0.150 χ^2/NDF: 279525.5/47

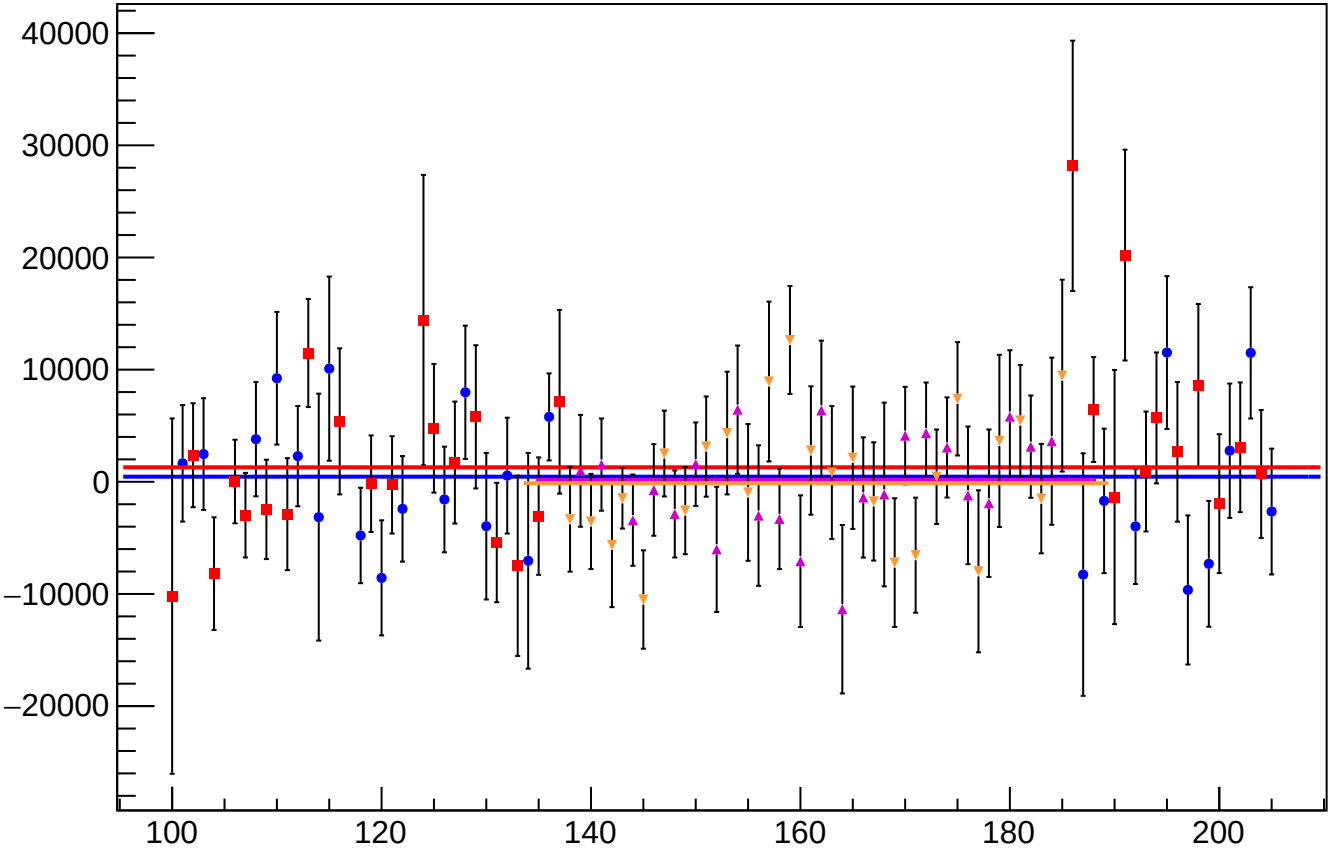
Right: 1304.953+/-0.172 χ^2/NDF: 880160.5/54

In: 1308.717+/-0.163 χ^2/NDF:560724.5/47

Out: 1298.365+/-0.157 χ^2/NDF:597028.3/54

All: 1303.346+/-0.113 χ^2/NDF: 1159839.3/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: 1292.677+/-1019.096 χ^2/NDF: 31.1/29

Left In: 159.452+/-1045.510 χ^2/NDF:13.8/22

Left: 6.422+/-713.925 χ^2/NDF: 42.4/47

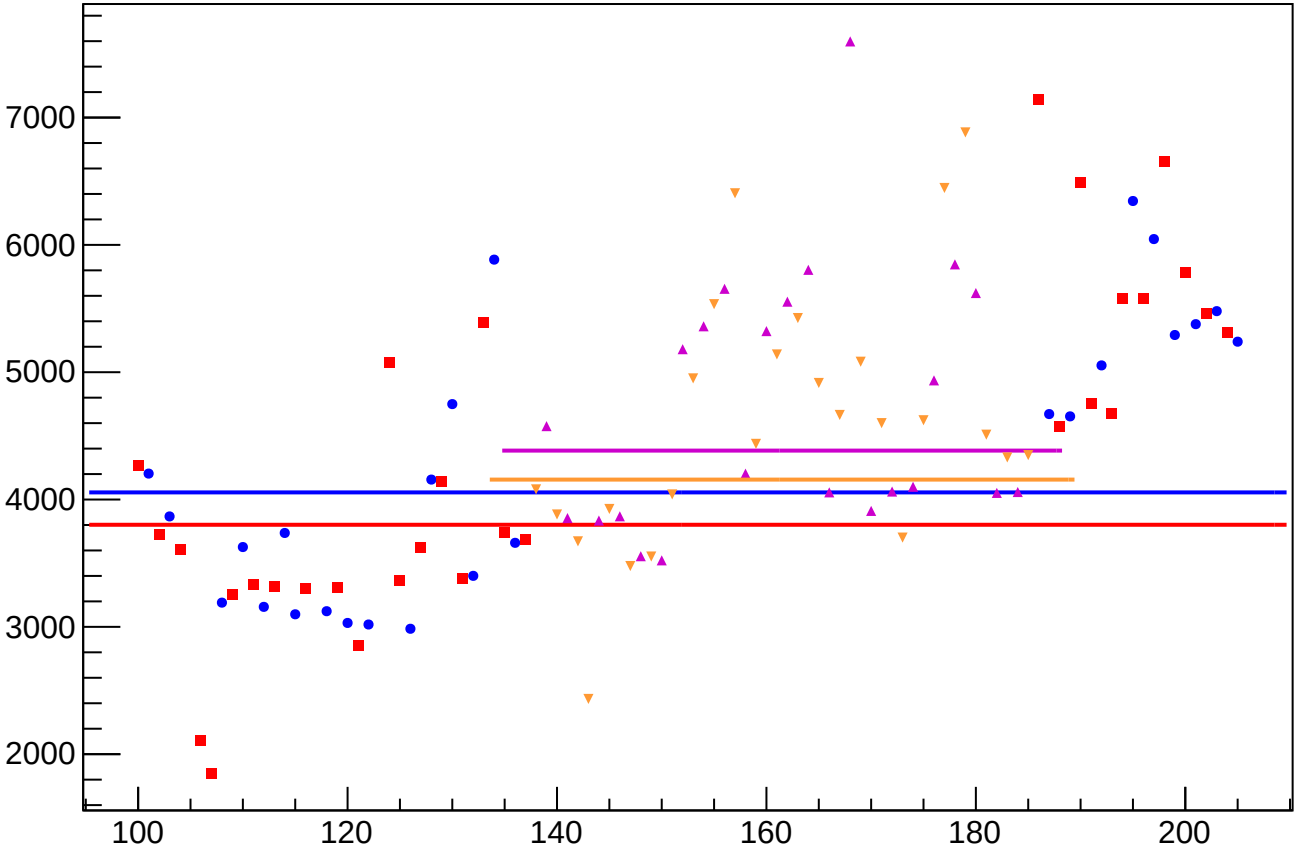
Right: 911.980+/-752.532 χ^2/NDF: 58.0/54

In: 297.820+/-762.981 χ^2/NDF:40.4/47

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 435.377+/-517.932 χ^2/NDF: 101.1/102

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

Right Out: 3801.788+/-0.721 χ^2/NDF: 2870355.6/29

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

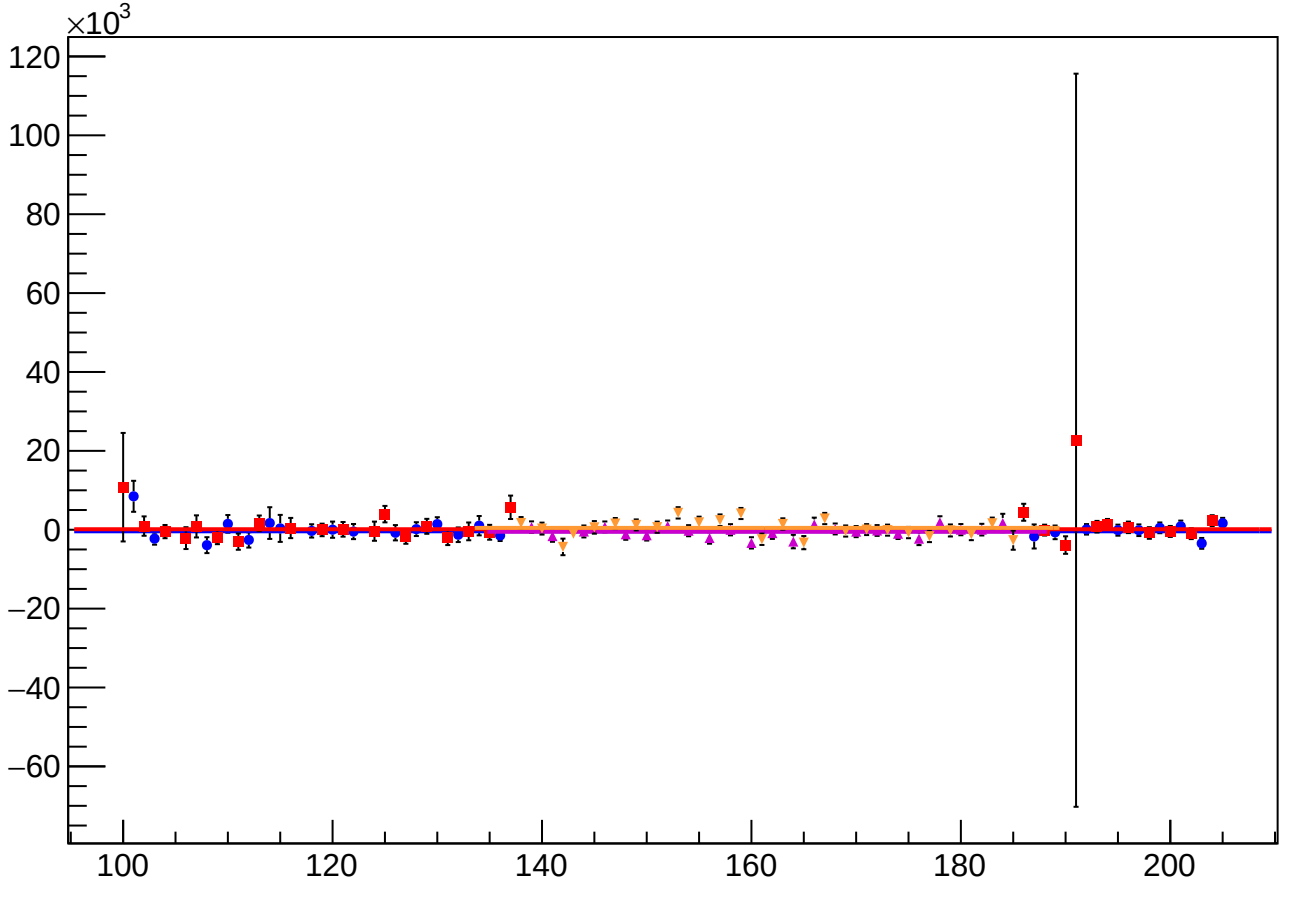
Left: 4262.773+/-0.505 χ^2/NDF: 3386885.6/47

Right: 3917.390+/-0.532 χ^2/NDF: 4540733.1/54

In: 4230.860+/-0.540 χ^2/NDF:2961436.8/47

Out: 3986.622+/-0.499 χ^2/NDF:5077408.4/54

All: 4099.168+/-0.366 χ^2/NDF: 8149348.0/10



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 126.587+/-339.394 χ^2/NDF: 27.3/29

Left In: -503.558+/-307.056 χ^2/NDF:17.4/22

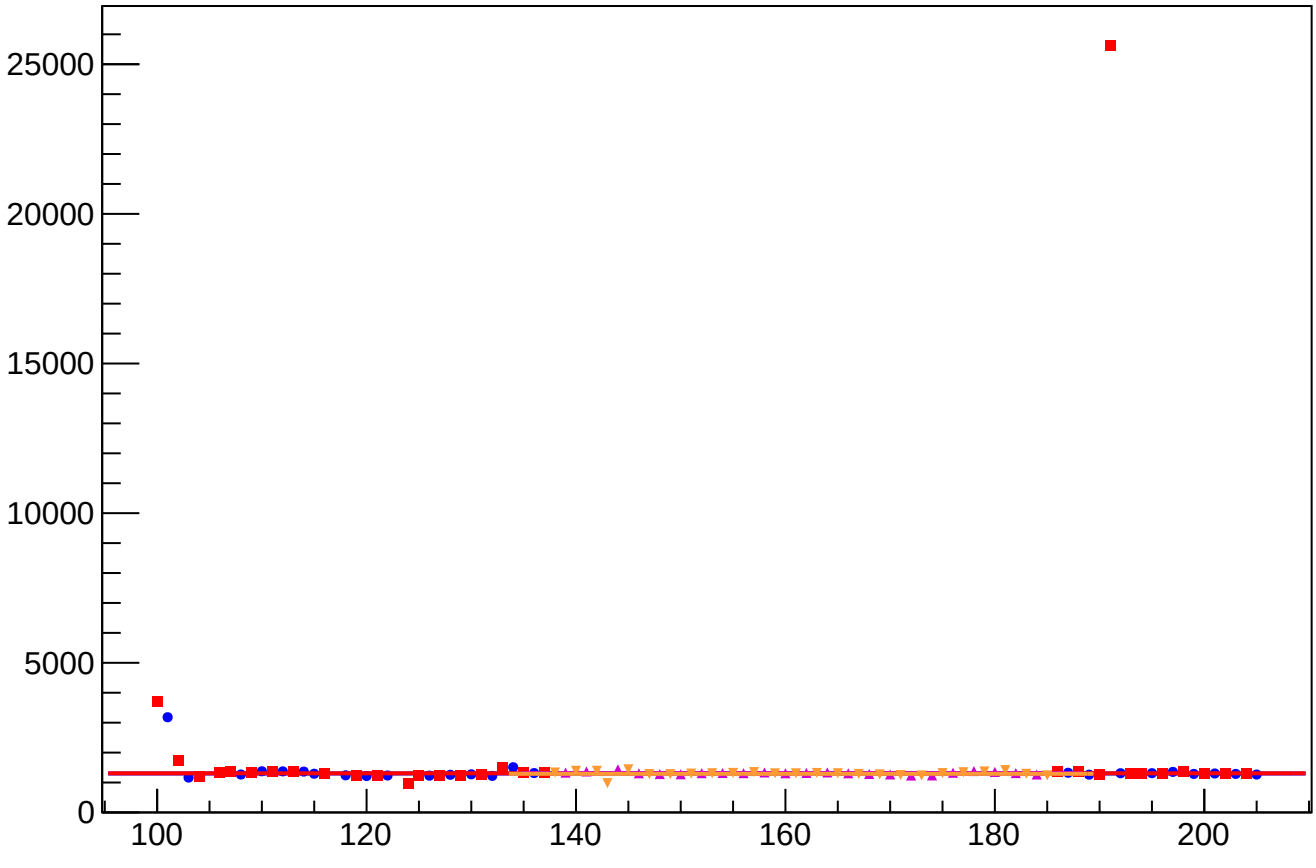
Left: 2.855+/-212.452 χ^2/NDF: 66.7/47

Right: -125.202+/-243.698 χ^2/NDF: 51.6/54

In: -455.576+/-230.859 χ^2/NDF:40.6/47

Out: 321.452+/-222.330 χ^2/NDF:72.0/54

All: -52.443+/-160.141 χ^2/NDF: 118.5/102



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

Right Out: 1307.876+/-0.240 χ^2/NDF: 363539.3/29

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

Left: 1302.125+/-0.150 χ^2/NDF: 279530.2/47

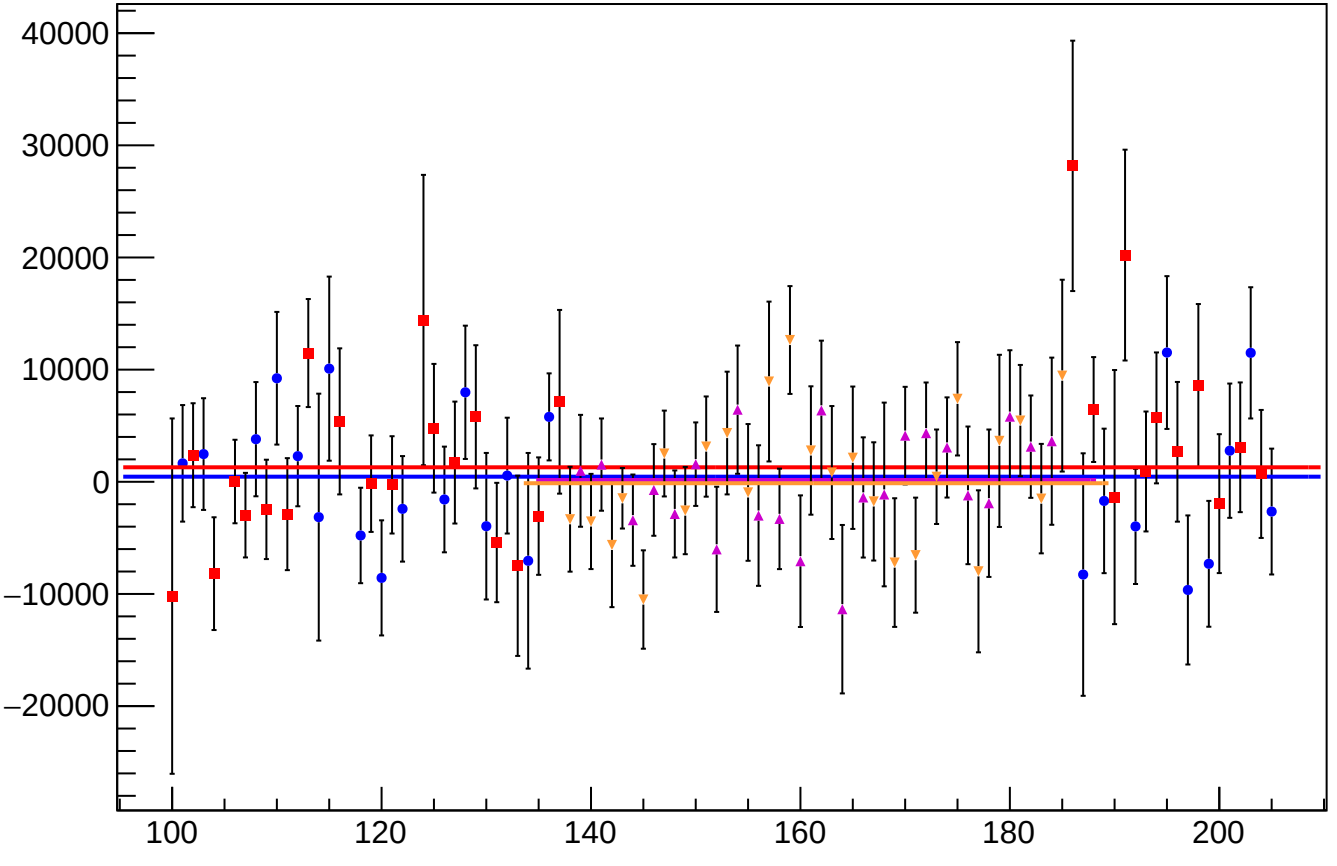
Right: 1304.953+/-0.172 χ^2/NDF: 880161.1/54

In: 1308.718+/-0.163 χ^2/NDF:560727.2/47

Out: 1298.366+/-0.157 χ^2/NDF:597030.7/54

All: 1303.346+/-0.113 χ^2/NDF: 1159844.4/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

Right Out: 1292.670+/-1019.095 χ^2/NDF: 31.1/29

Left In: 159.454+/-1045.511 χ^2/NDF:13.8/22

Left: 6.424+/-713.926 χ^2/NDF: 42.4/47

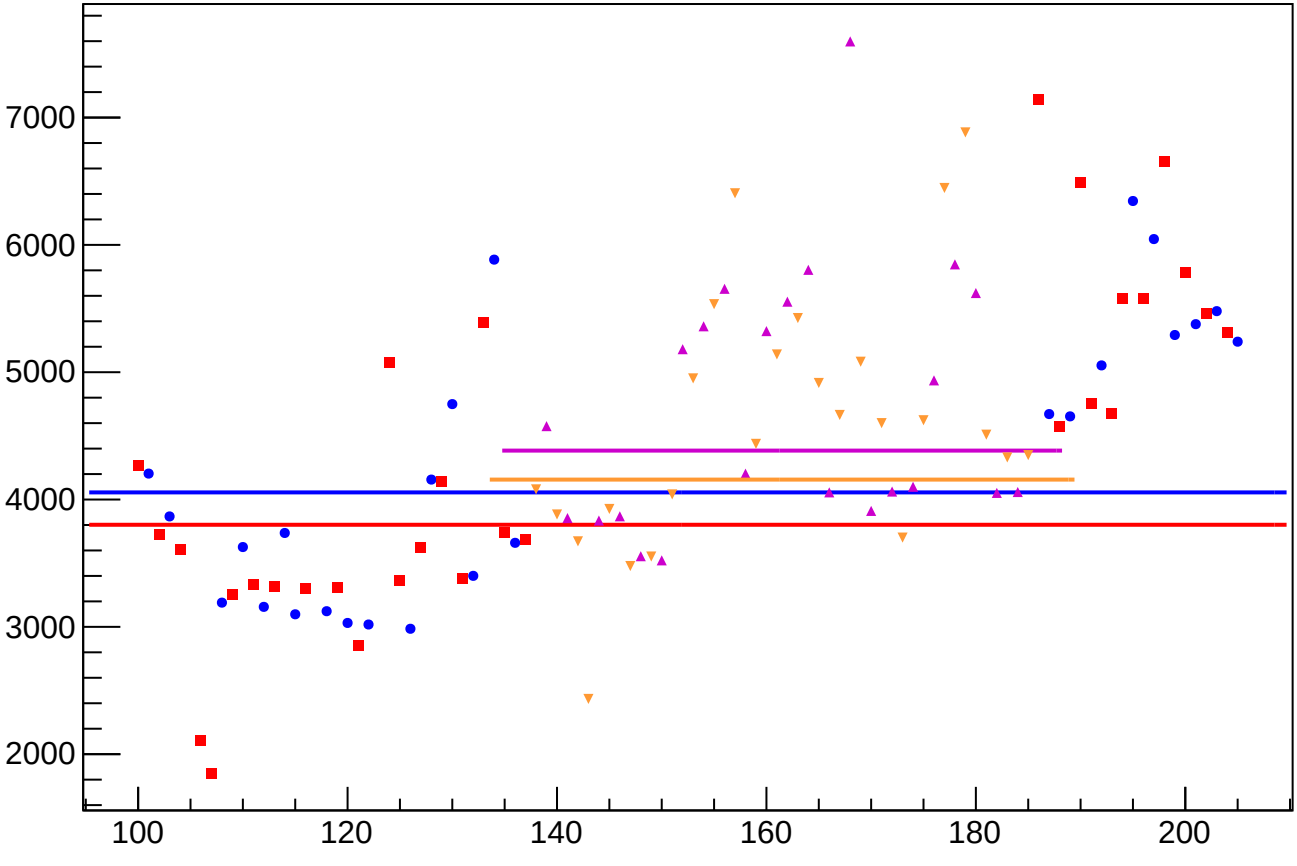
Right: 911.973+/-752.531 χ^2/NDF: 58.0/54

In: 297.818+/-762.981 χ^2/NDF:40.4/47

Out: 552.937+/-705.343 χ^2/NDF:60.6/54

All: 435.376+/-517.932 χ^2/NDF: 101.1/102

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3801.781+/-0.721 χ^2/NDF: 2870380.1/29

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

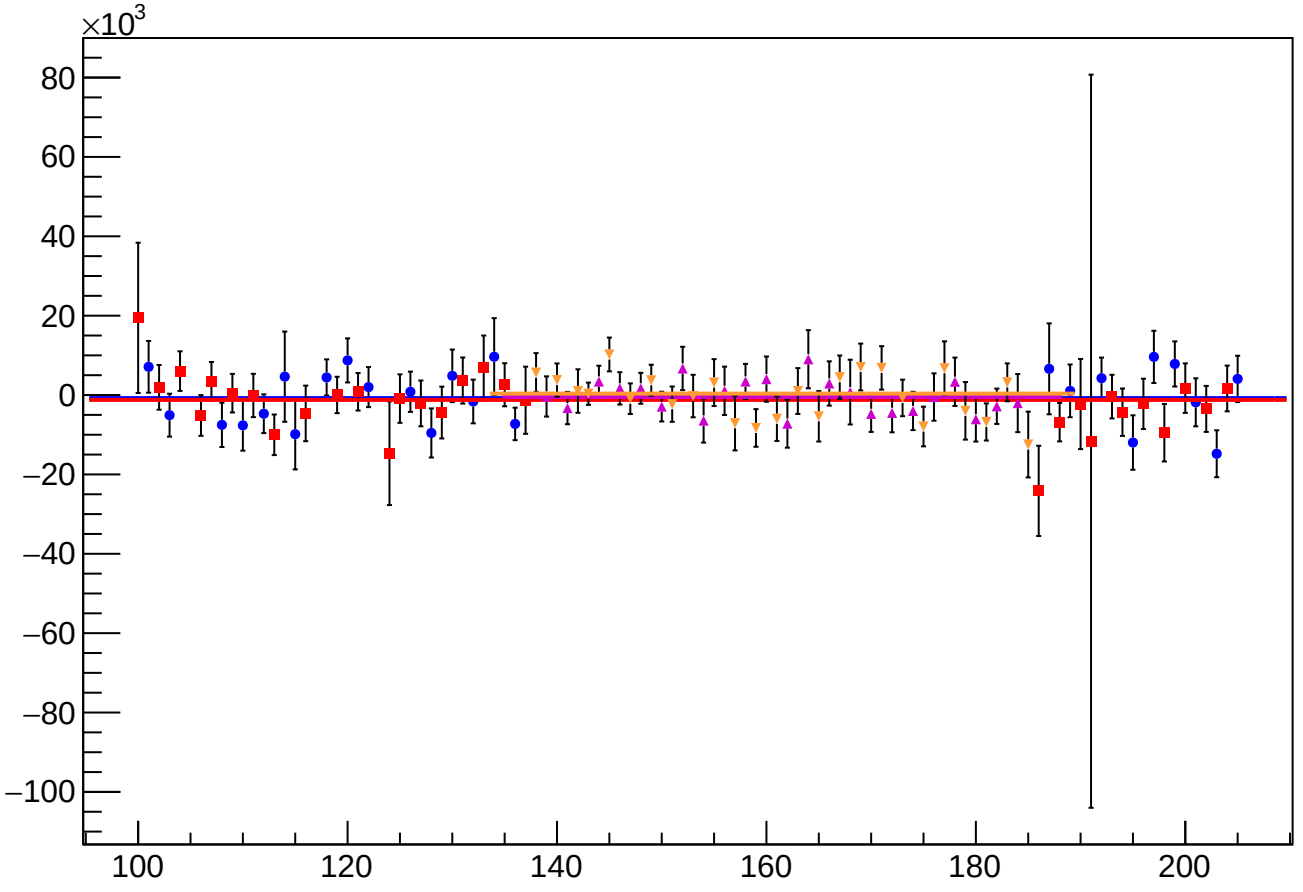
Left: 4262.780+/-0.505 χ^2/NDF: 3386892.6/47

Right: 3917.383+/-0.532 χ^2/NDF: 4540784.0/54

In: 4230.860+/-0.540 χ^2/NDF:2961475.1/47

Out: 3986.622+/-0.499 χ^2/NDF:5077445.3/54

All: 4099.168+/-0.366 χ^2/NDF: 8149423.2/10



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: -1221.385+/-1111.844 χ^2/NDF: 19.9/29

Left In: -497.522+/-1044.707 χ^2/NDF:13.9/22

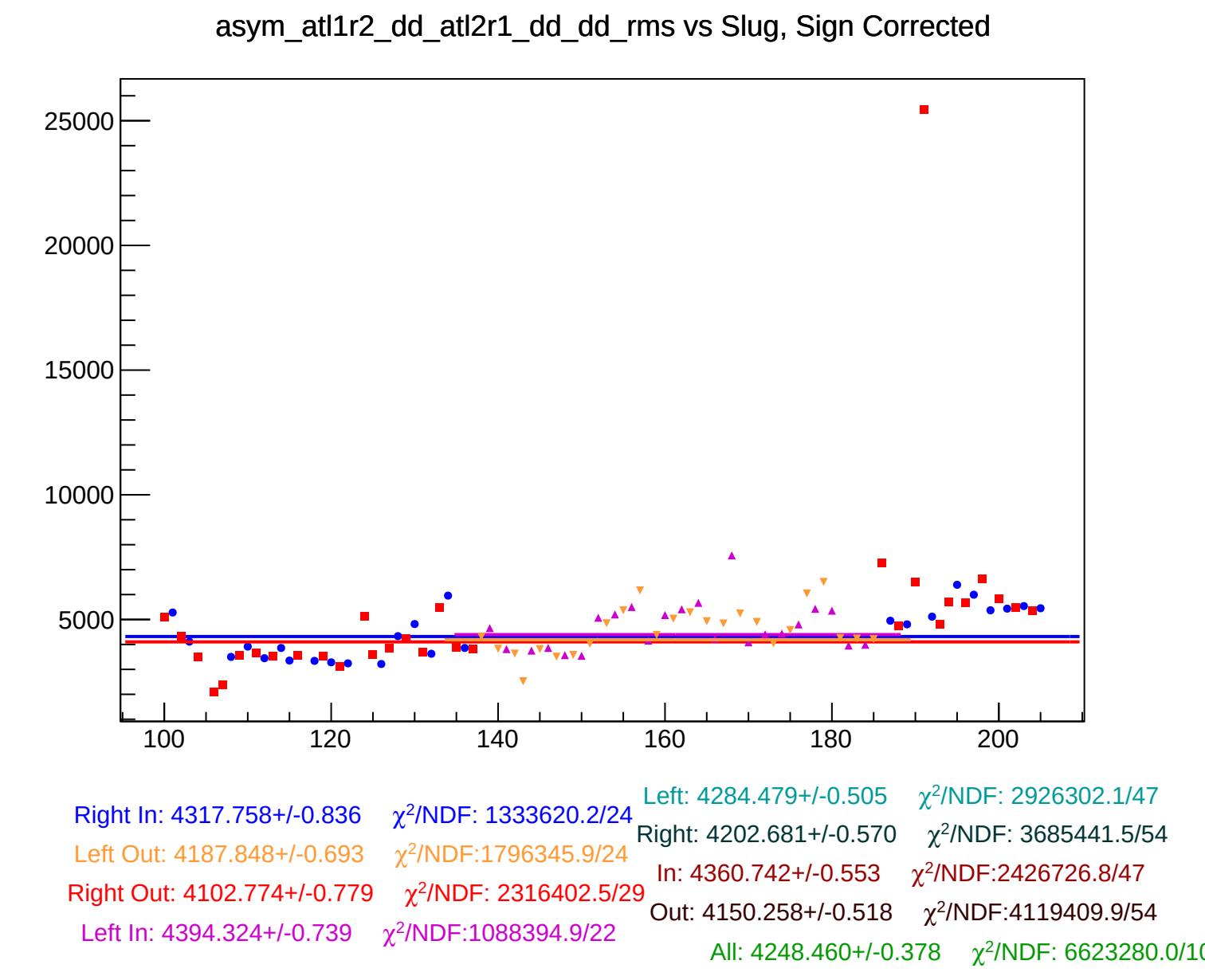
Left: -39.978+/-714.692 χ^2/NDF: 41.9/47

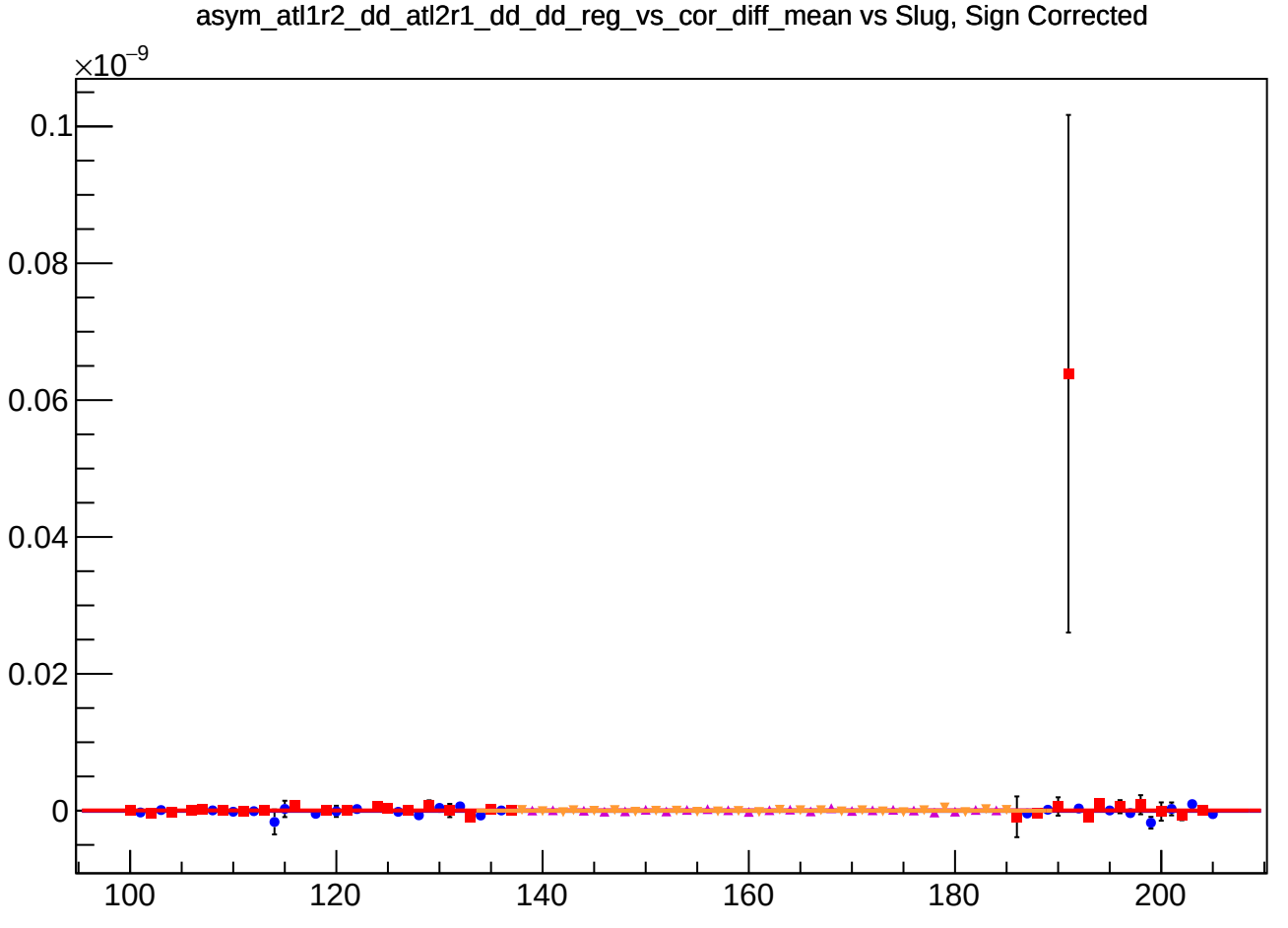
Right: -1009.637+/-809.842 χ^2/NDF: 52.9/54

In: -617.182+/-782.765 χ^2/NDF:46.8/47

Out: -329.882+/-735.123 χ^2/NDF:48.7/54

All: -464.523+/-535.862 χ^2/NDF: 95.6/102


asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug, Sign Corrected
25000
20000
15000
10000
5000
100
120
140
160
180
200
Right In: 4317.758+/-0.836 χ²/NDF: 1333620.2/24
Left Out: 4187.848+/-0.693 χ²/NDF:1796345.9/24
Right Out: 4102.774+/-0.779 χ²/NDF: 2316402.5/29
Left In: 4394.324+/-0.739 χ²/NDF:1088394.9/22
Left: 4284.479+/-0.505 χ²/NDF: 2926302.1/47
Right: 4202.681+/-0.570 χ²/NDF: 3685441.5/54
In: 4360.742+/-0.553 χ²/NDF:2426726.8/47
Out: 4150.258+/-0.518 χ²/NDF:4119409.9/54
All: 4248.460+/-0.378 χ²/NDF: 6623280.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.3/29

Left In: 0.000+/-0.000 χ^2/NDF:17.0/22

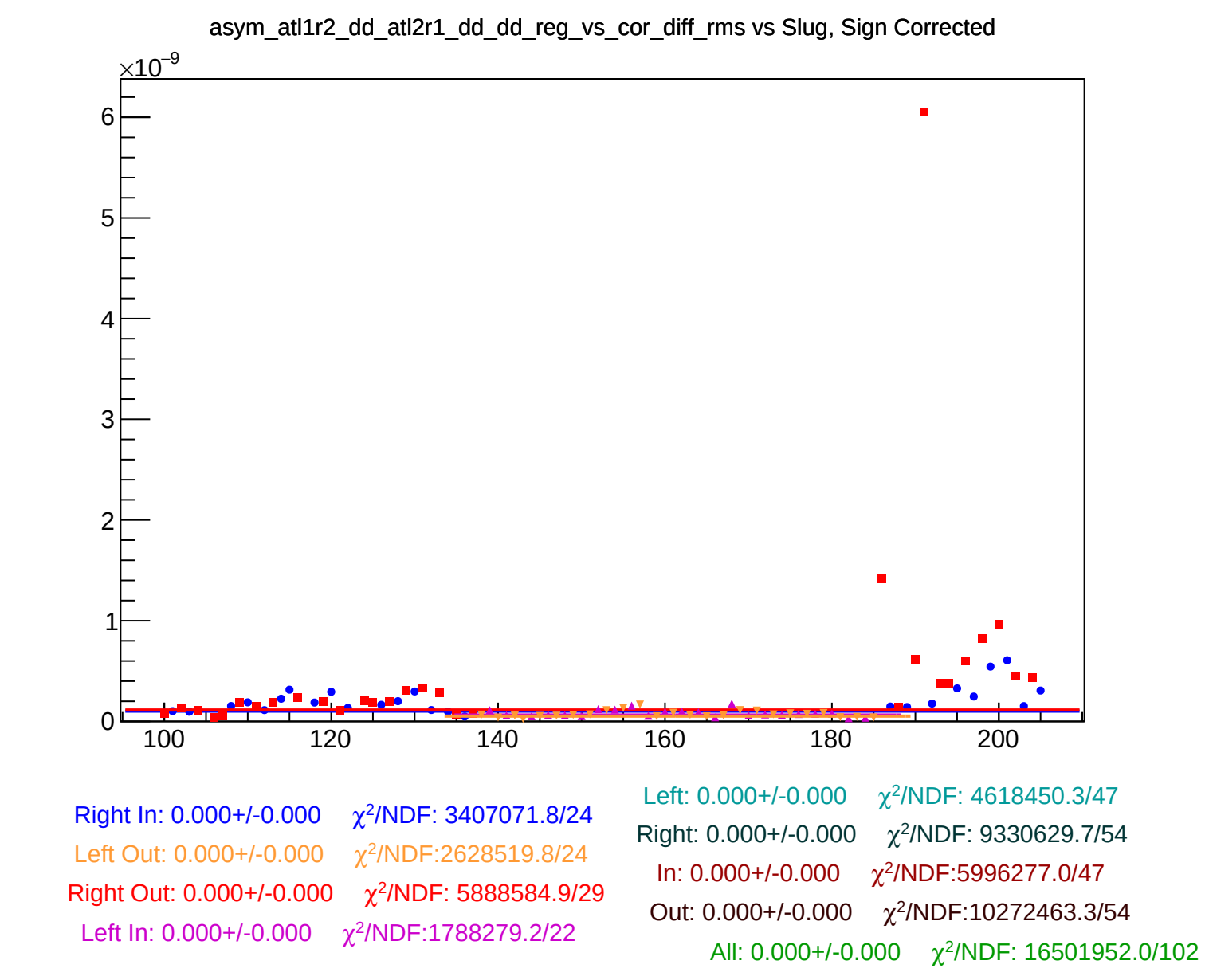
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 56.4/54

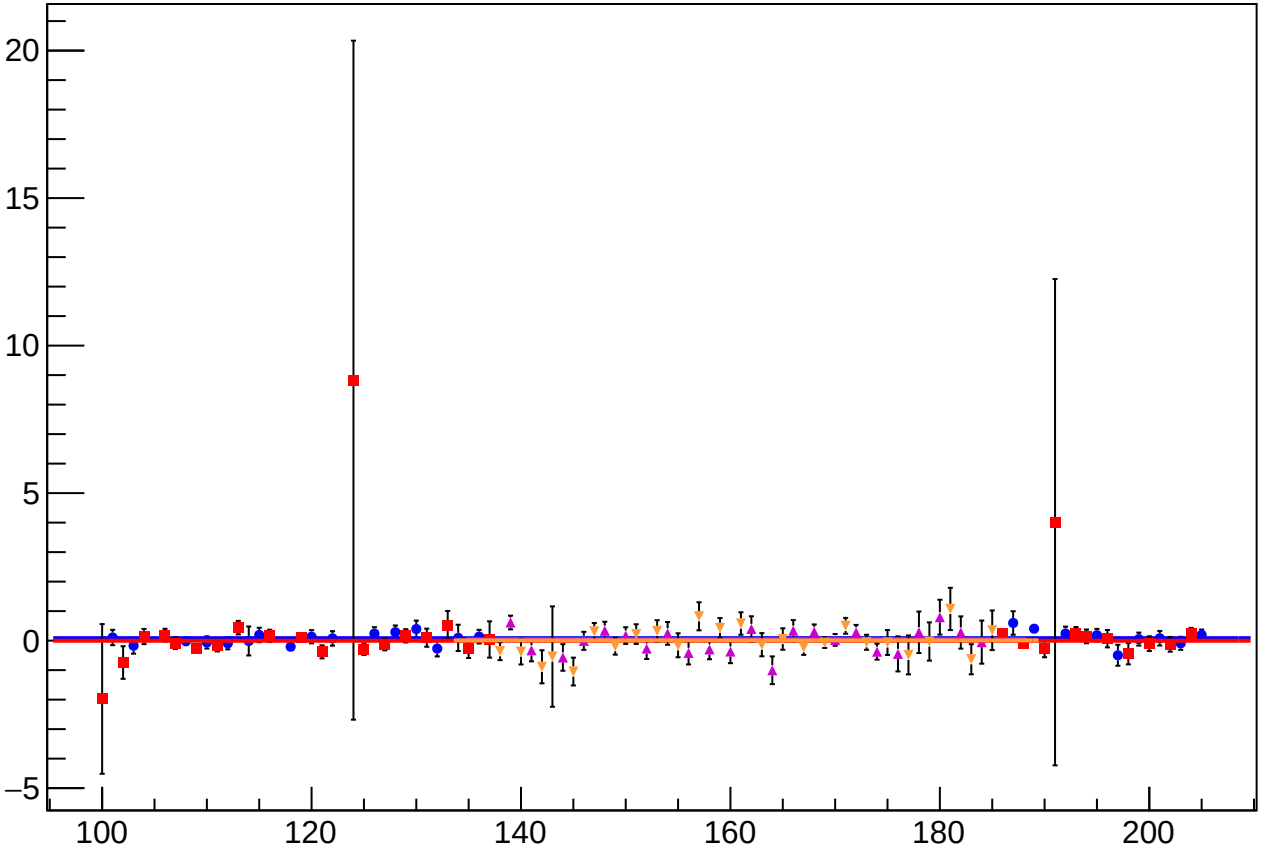
In: 0.000+/-0.000 χ^2/NDF:46.3/47

Out: 0.000+/-0.000 χ^2/NDF:58.1/54

All: 0.000+/-0.000 χ^2/NDF: 104.4/102


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3407071.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 5888584.9/29
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: 9330629.7/54
In: 0.000+/-0.000 χ²/NDF:5996277.0/47
Out: 0.000+/-0.000 χ²/NDF:10272463.3/54
All: 0.000+/-0.000 χ²/NDF: 16501952.0/102

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

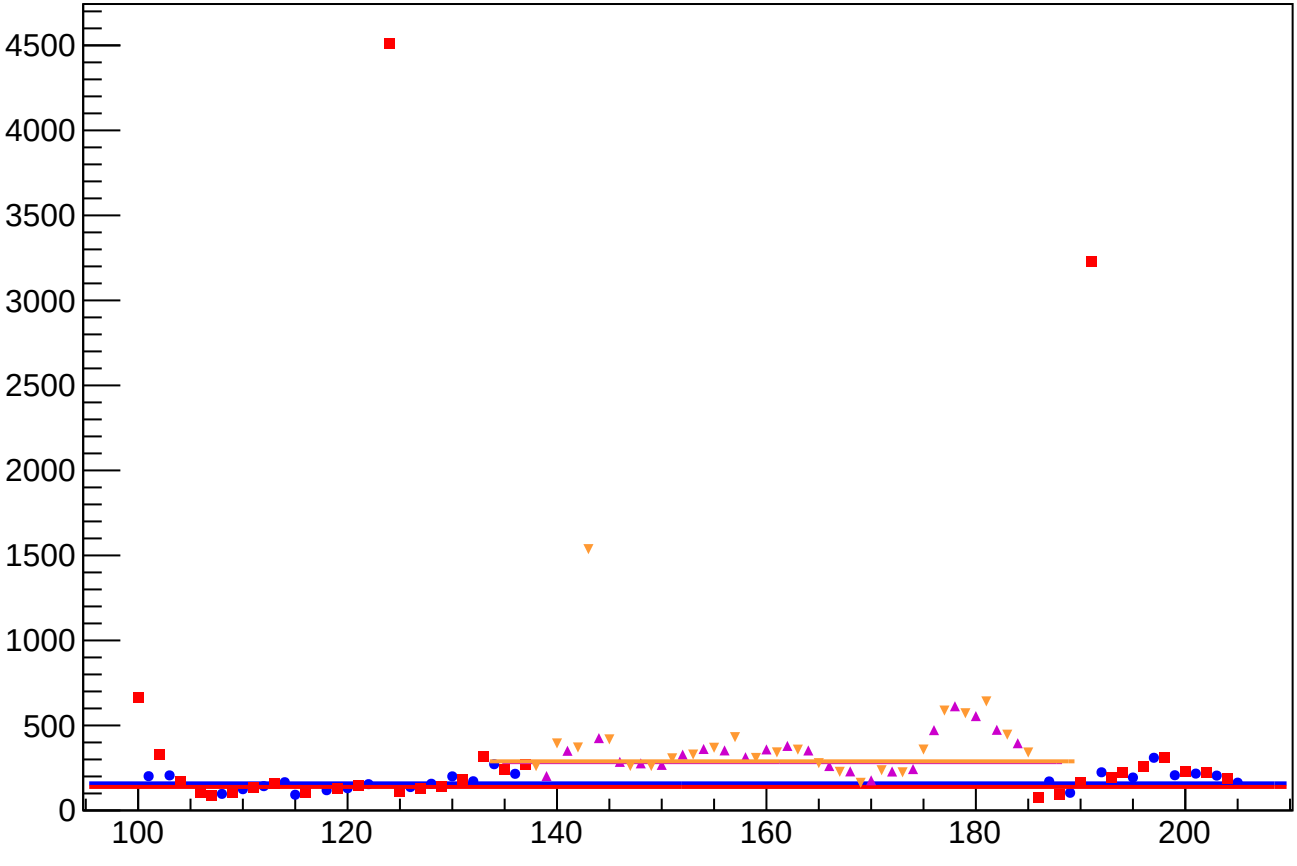
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

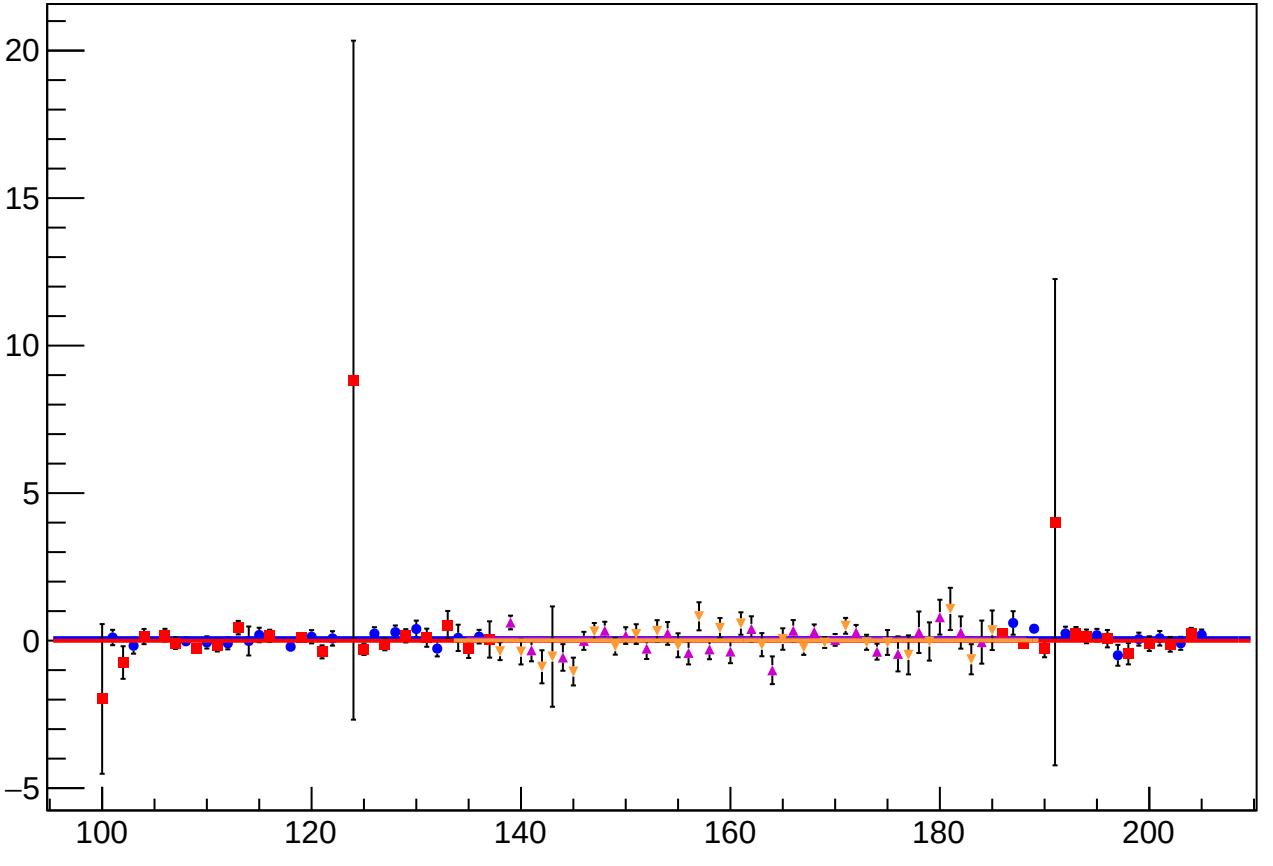
Right: 147.564+/-0.021 χ^2/NDF: 7116363.2/54

In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

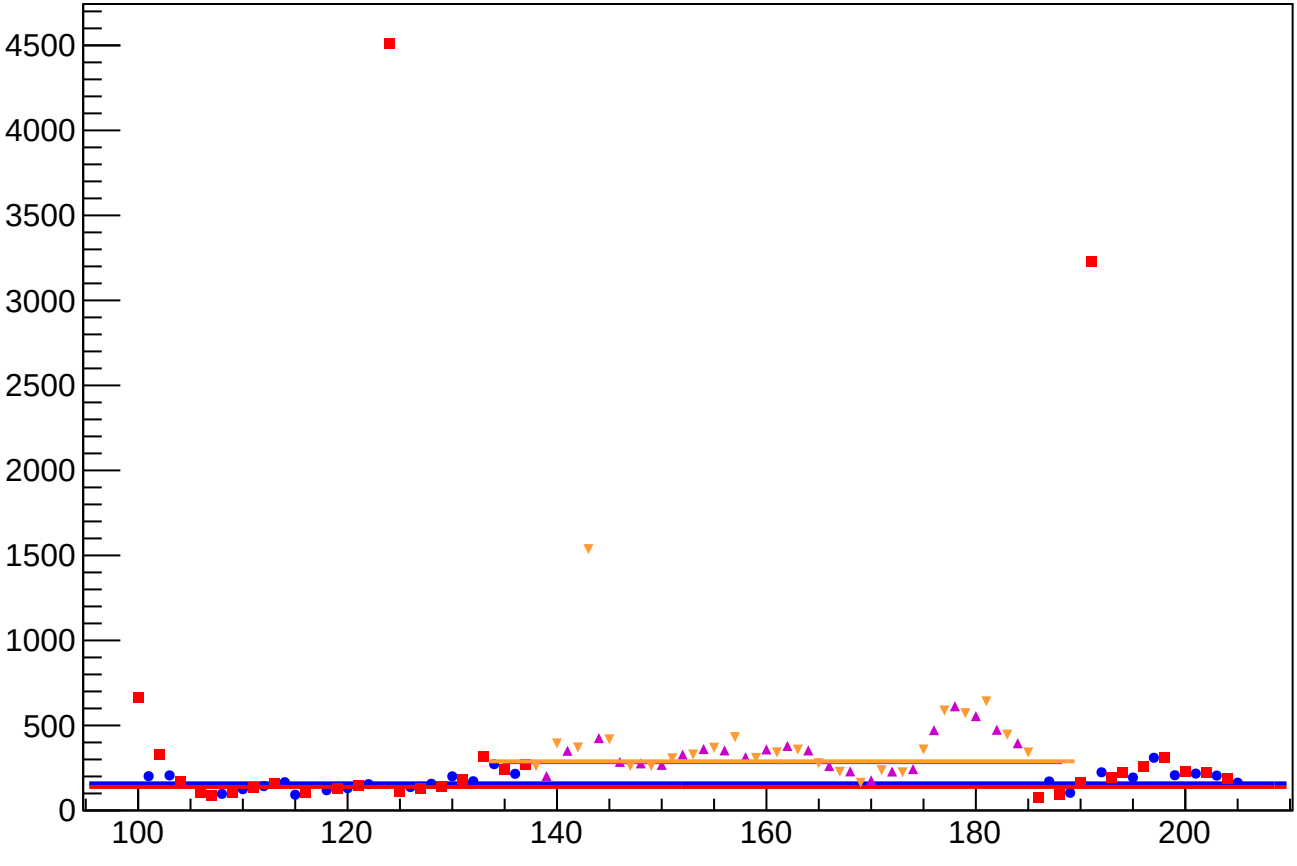
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.6/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 138.355+/-0.028 χ^2/NDF: 4659408.8/29

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

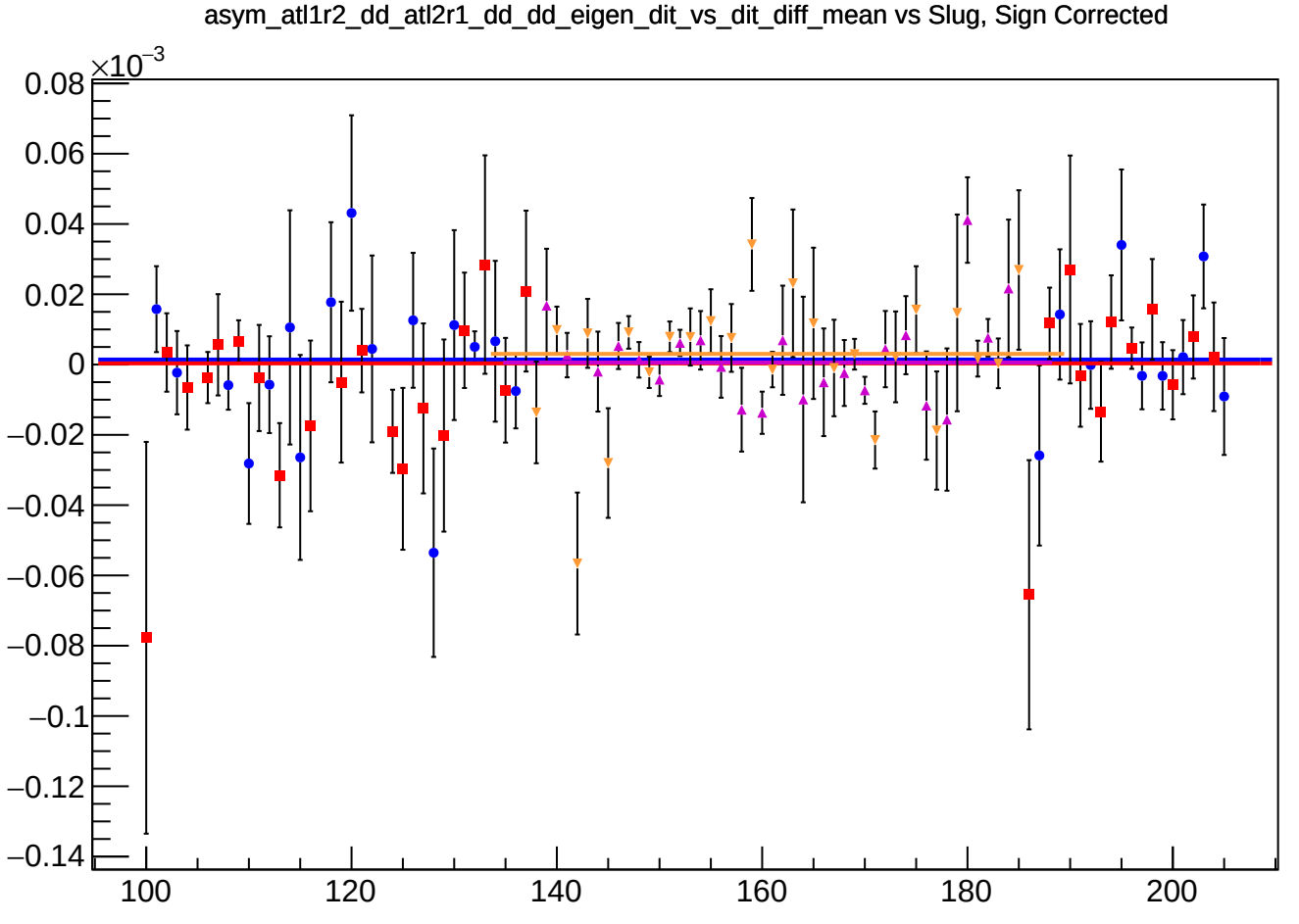
Left: 286.524+/-0.035 χ^2/NDF: 7730236.9/47

Right: 147.564+/-0.021 χ^2/NDF: 7116363.2/54

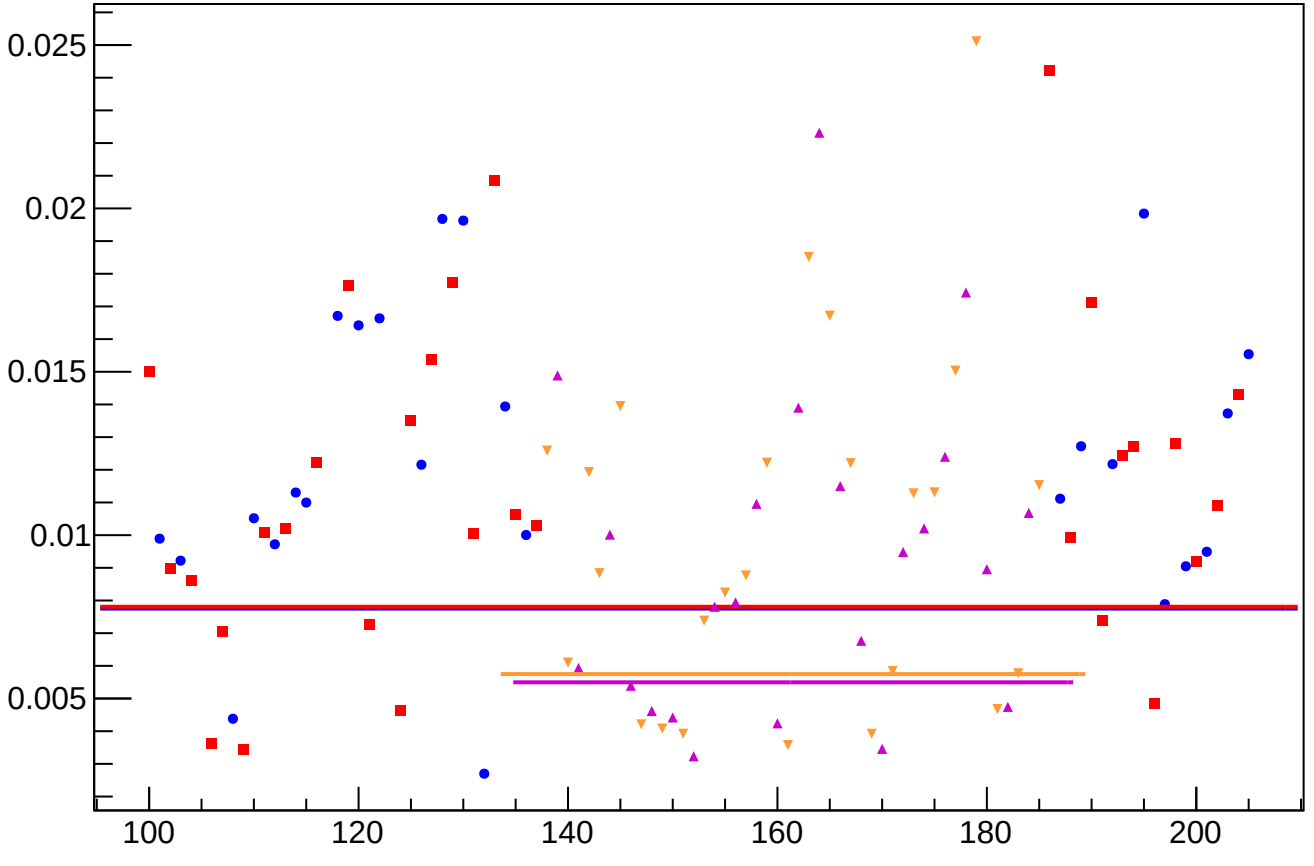
In: 196.000+/-0.027 χ^2/NDF:9732968.9/47

Out: 174.718+/-0.025 χ^2/NDF:16126227.8/54

All: 184.417+/-0.018 χ^2/NDF: 26198084.5/10


asym_atl1r2_dd_atl2r1_dd_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
−0.12
−0.14
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 23.7/24
Left Out: 0.000+/-0.000 χ²/NDF:42.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.9/29
Left In: 0.000+/-0.000 χ²/NDF:33.2/22
Left: 0.000+/-0.000 χ²/NDF: 76.7/47
Right: 0.000+/-0.000 χ²/NDF: 49.7/54
In: 0.000+/-0.000 χ²/NDF:56.9/47
Out: 0.000+/-0.000 χ²/NDF:69.1/54
All: 0.000+/-0.000 χ²/NDF: 126.6/102

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5952829.2/29

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

Left: 0.006+/-0.000 χ^2/NDF: 15093250.6/47

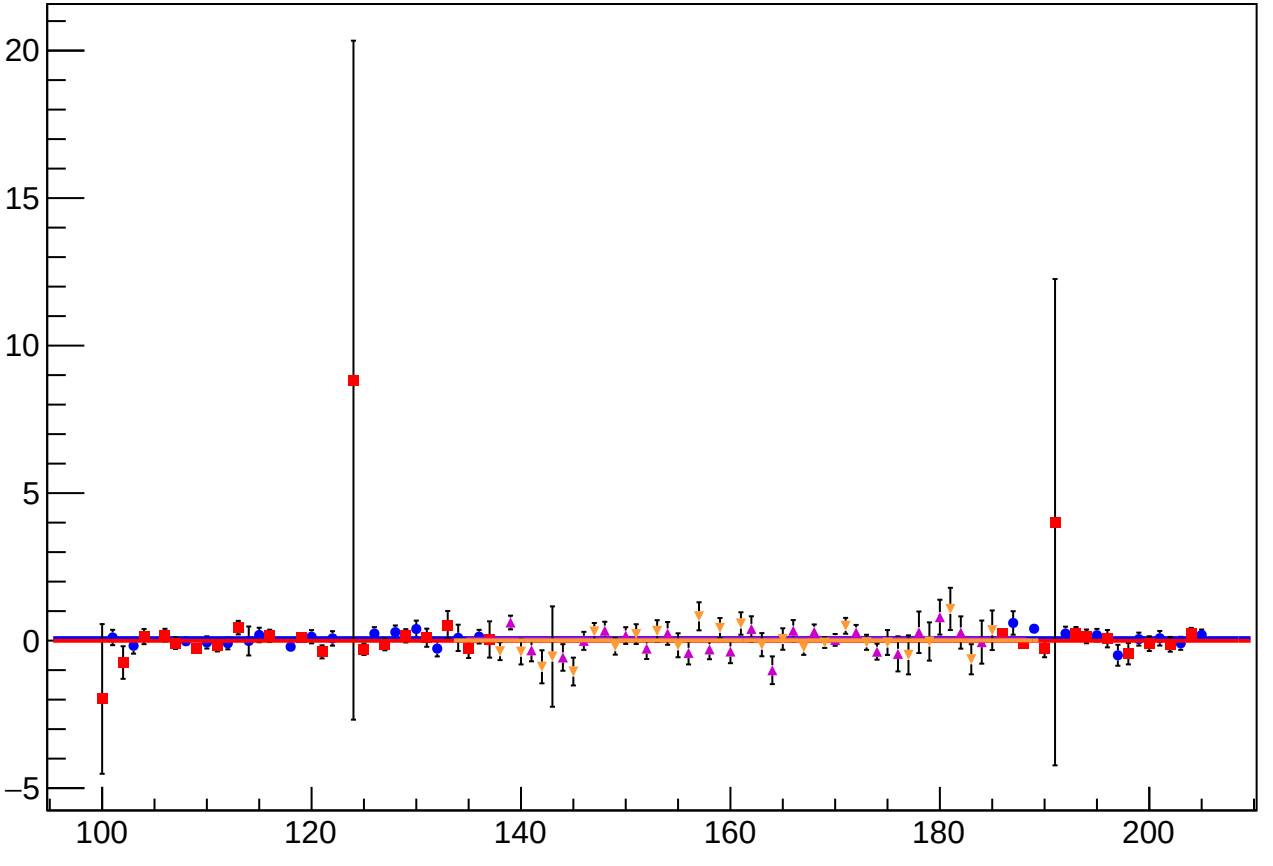
Right: 0.008+/-0.000 χ^2/NDF: 12957040.3/54

In: 0.006+/-0.000 χ^2/NDF:15181119.2/47

Out: 0.006+/-0.000 χ^2/NDF:15210789.0/54

All: 0.006+/-0.000 χ^2/NDF: 30431873.0/102

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

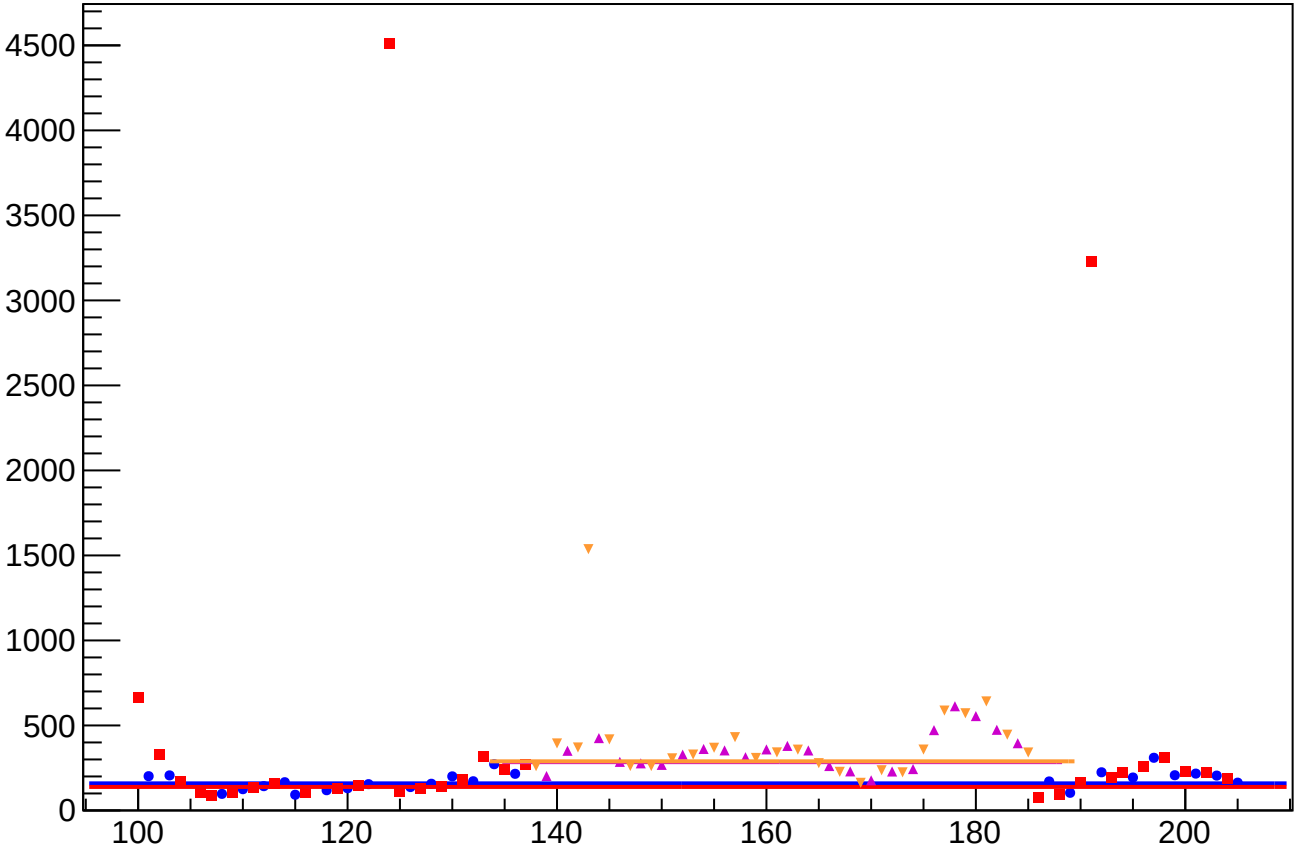
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

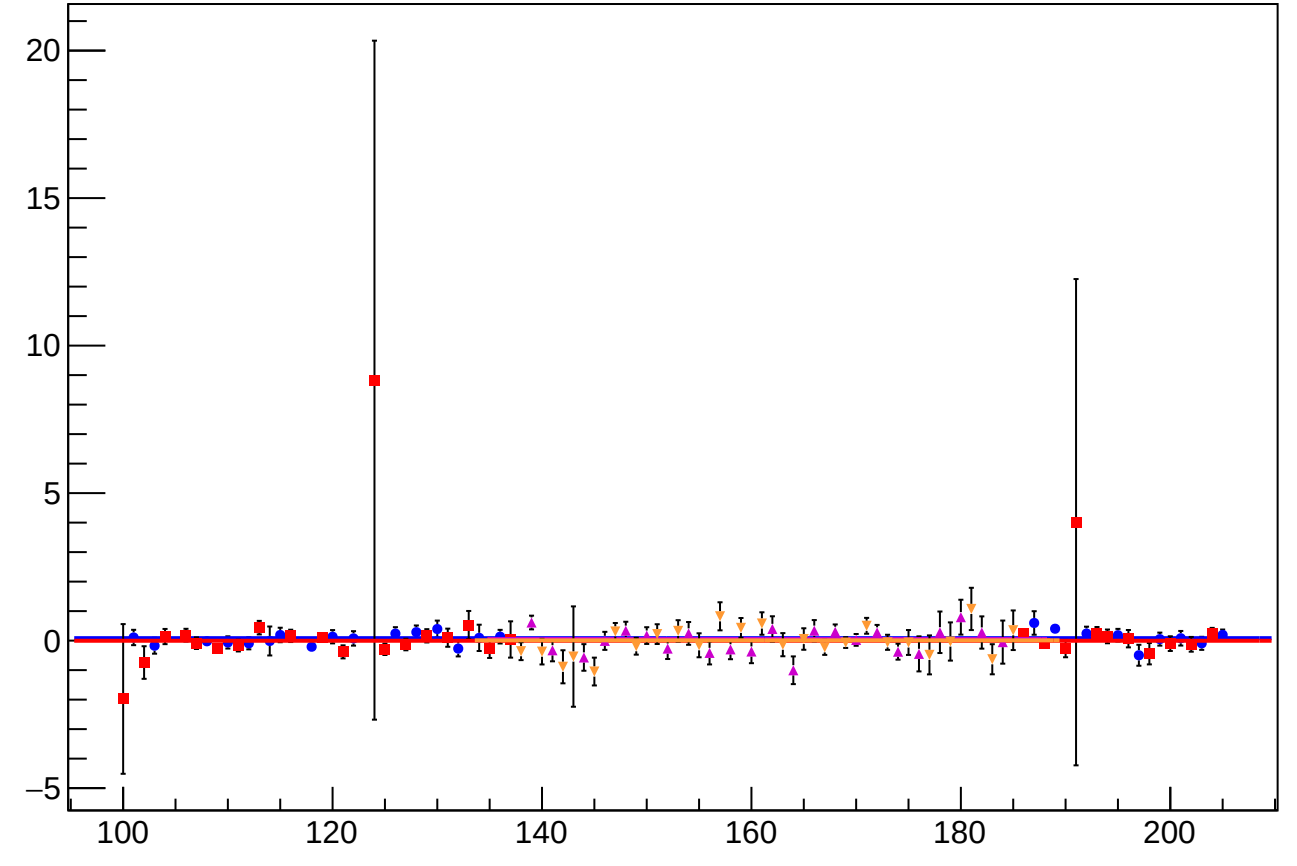
Right: 147.565+/-0.021 χ^2/NDF: 7116149.5/54

In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.005+/-0.040 χ^2/NDF: 30.6/29

Left In: 0.053+/-0.070 χ^2/NDF:27.8/22

Left: 0.032+/-0.050 χ^2/NDF: 56.8/47

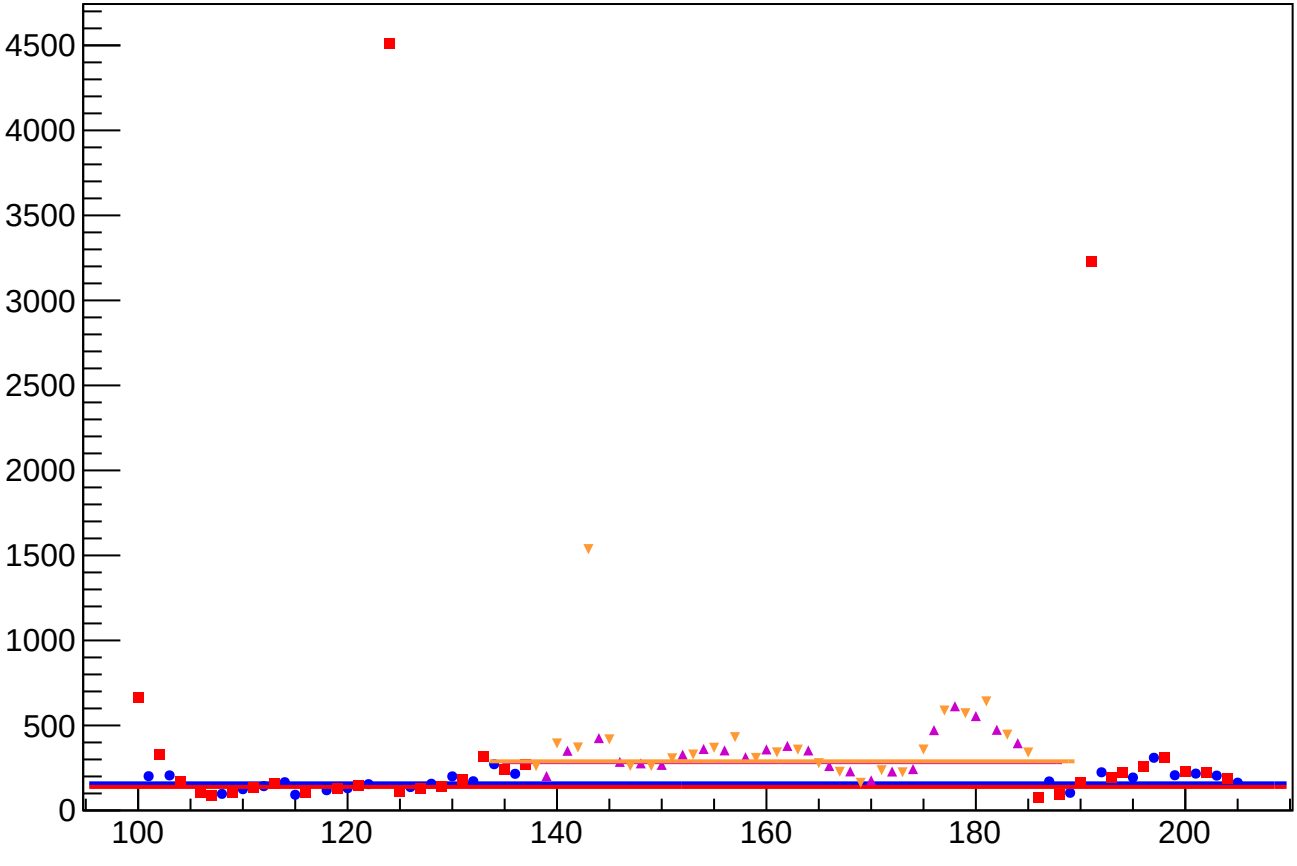
Right: 0.034+/-0.030 χ^2/NDF: 53.6/54

In: 0.075+/-0.038 χ^2/NDF:48.7/47

Out: -0.001+/-0.035 χ^2/NDF:59.5/54

All: 0.033+/-0.026 χ^2/NDF: 110.4/102

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 138.357+/-0.028 χ^2/NDF: 4659243.2/29

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

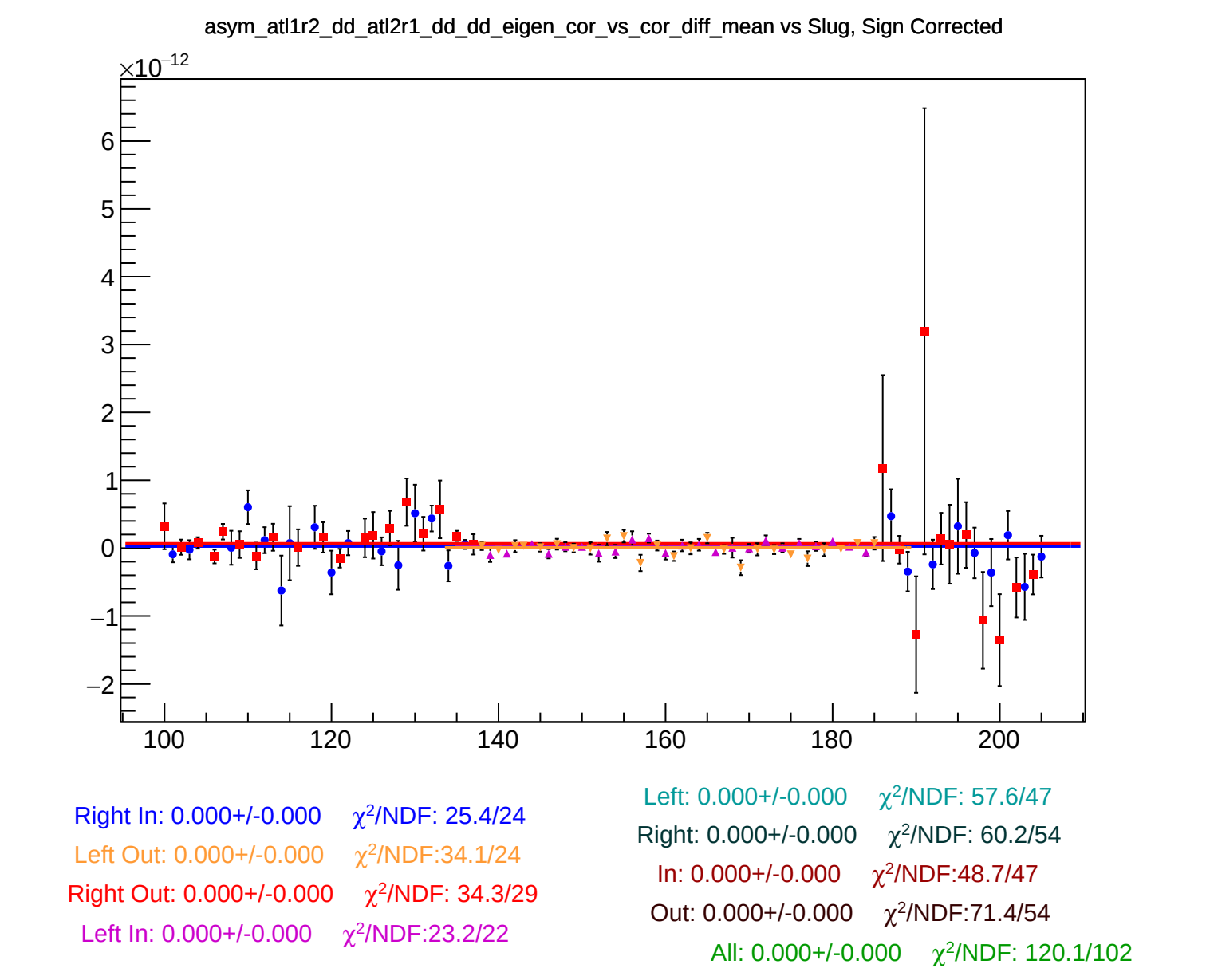
Left: 286.525+/-0.035 χ^2/NDF: 7730531.8/47

Right: 147.565+/-0.021 χ^2/NDF: 7116149.5/54

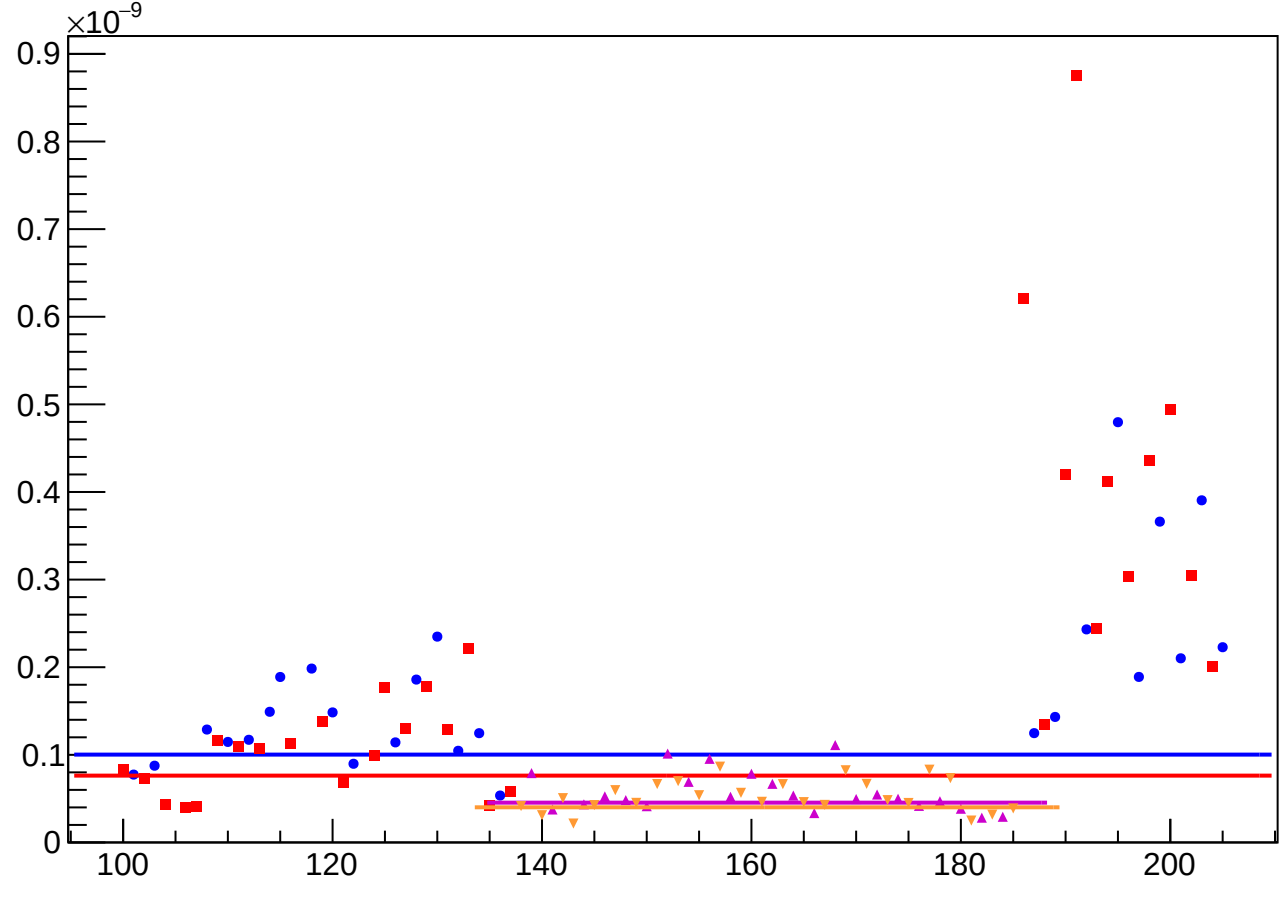
In: 196.000+/-0.027 χ^2/NDF:9733180.2/47

Out: 174.720+/-0.025 χ^2/NDF:16126036.6/54

All: 184.418+/-0.018 χ^2/NDF: 26198034.6/10


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
6
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 25.4/24
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.3/29
Left In: 0.000+/-0.000 χ²/NDF:23.2/22
Left: 0.000+/-0.000 χ²/NDF: 57.6/47
Right: 0.000+/-0.000 χ²/NDF: 60.2/54
In: 0.000+/-0.000 χ²/NDF:48.7/47
Out: 0.000+/-0.000 χ²/NDF:71.4/54
All: 0.000+/-0.000 χ²/NDF: 120.1/102

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: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6944811.2/29

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

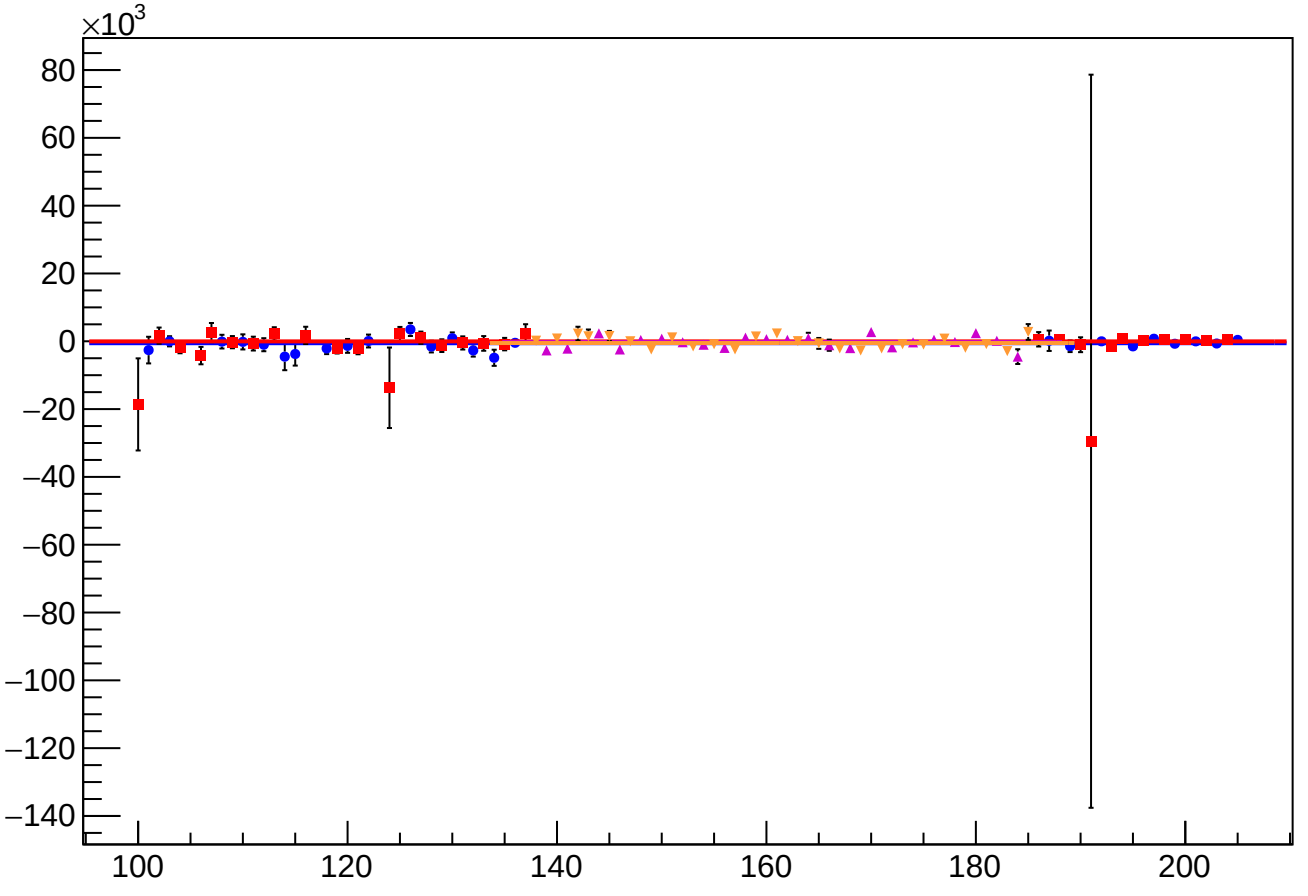
Left: 0.000+/-0.000 χ^2/NDF: 6559252.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12000346.4/54

In: 0.000+/-0.000 χ^2/NDF:10707213.1/47

Out: 0.000+/-0.000 χ^2/NDF:12658284.9/54

All: 0.000+/-0.000 χ^2/NDF: 23649097.8/102



Right In: -567.728+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -28.225+/-335.351 χ^2/NDF: 18.9/29

Left In: -242.686+/-291.166 χ^2/NDF:32.0/22

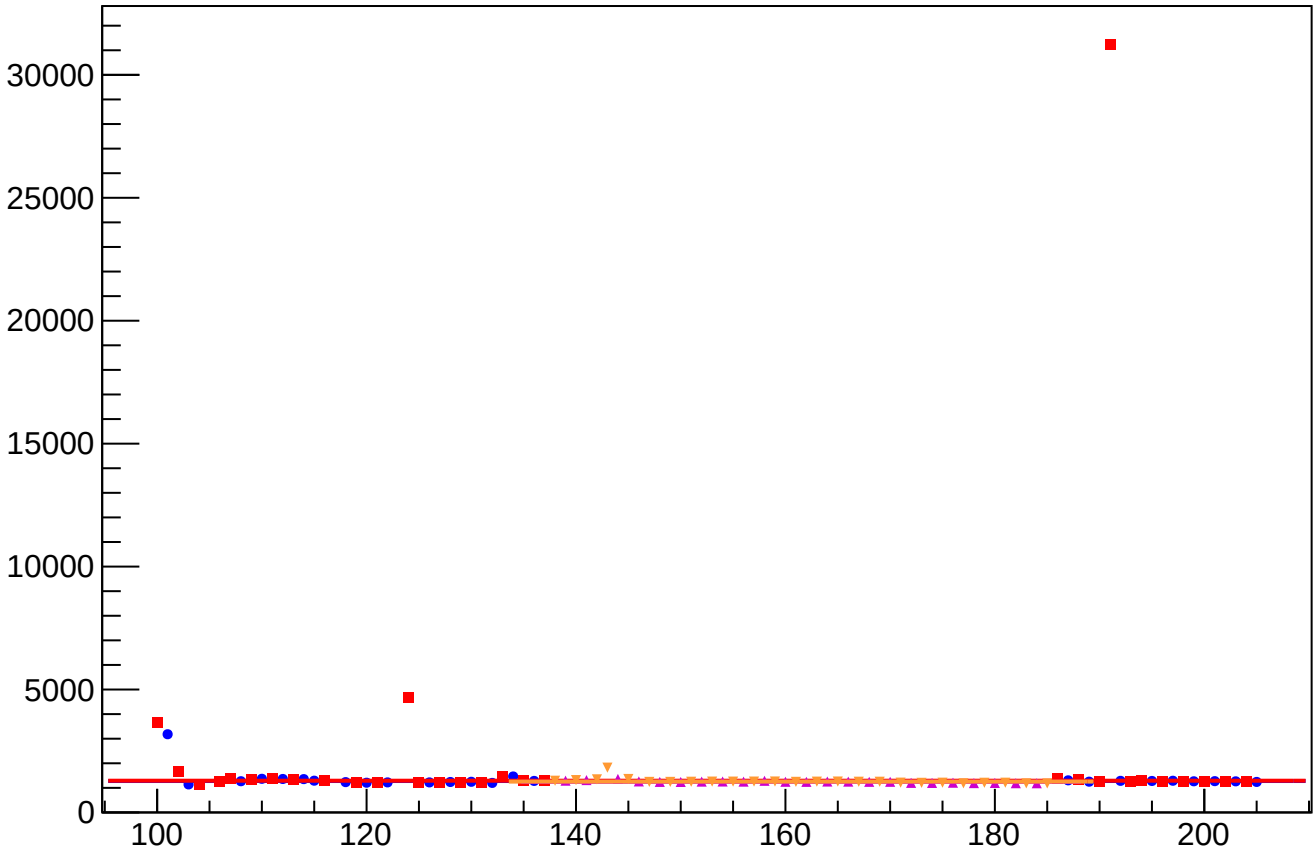
Left: -381.044+/-204.014 χ^2/NDF: 63.4/47

Right: -291.210+/-240.085 χ^2/NDF: 36.4/54

In: -378.414+/-222.209 χ^2/NDF:48.8/47

Out: -309.780+/-217.585 χ^2/NDF:51.0/54

All: -343.375+/-155.465 χ^2/NDF: 99.8/102



Right In: 1278.563+/-0.243 χ^2/NDF: 521314.4/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

Right Out: 1291.146+/-0.237 χ^2/NDF: 492212.3/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

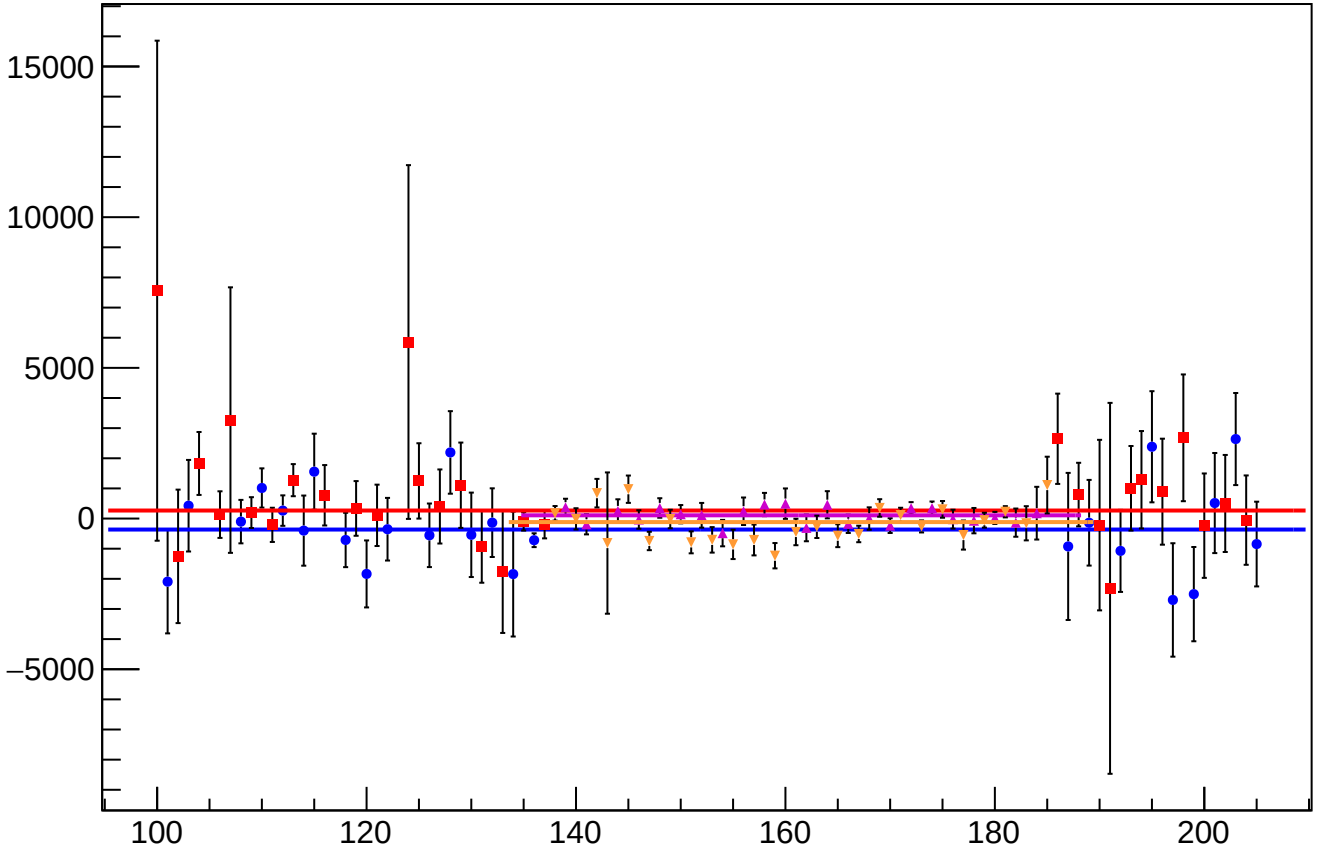
Right: 1285.013+/-0.170 χ^2/NDF: 1014899.2/54

In: 1259.804+/-0.157 χ^2/NDF:571391.0/47

Out: 1270.514+/-0.154 χ^2/NDF:708410.6/54

All: 1265.272+/-0.110 χ^2/NDF: 1282173.5/10

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -364.720+/-160.478 χ^2/NDF: 28.4/24

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: 266.533+/-160.363 χ^2/NDF: 20.1/29

Left In: 107.341+/-67.001 χ^2/NDF:13.7/22

Left: -8.142+/-46.675 χ^2/NDF: 67.9/47

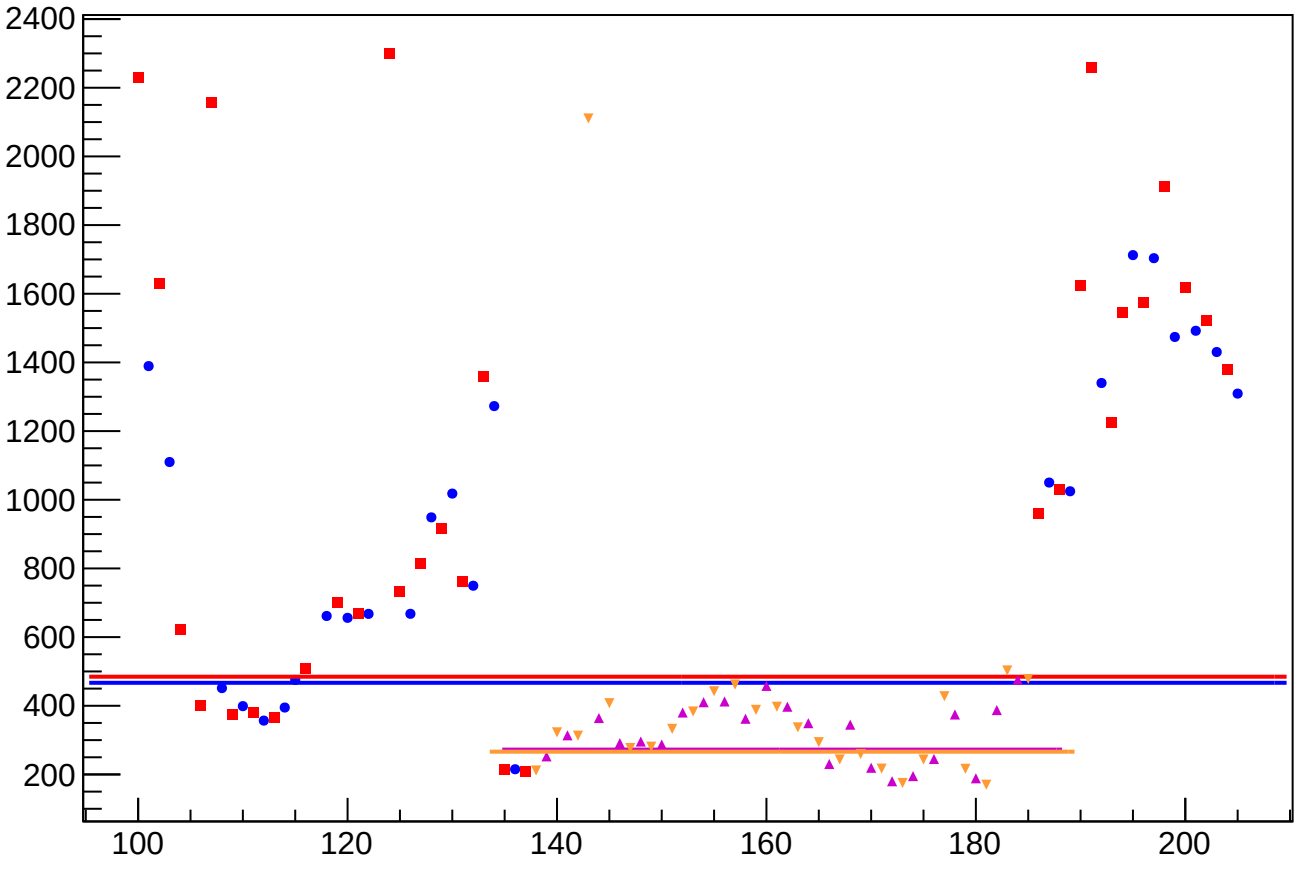
Right: -48.868+/-113.435 χ^2/NDF: 56.3/54

In: 37.269+/-61.828 χ^2/NDF:49.5/47

Out: -62.820+/-60.287 χ^2/NDF:73.5/54

All: -14.039+/-43.164 χ^2/NDF: 124.3/102

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 466.957+/-0.113 χ^2/NDF: 10890119.7/24

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 484.674+/-0.113 χ^2/NDF: 11519998.8/29

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

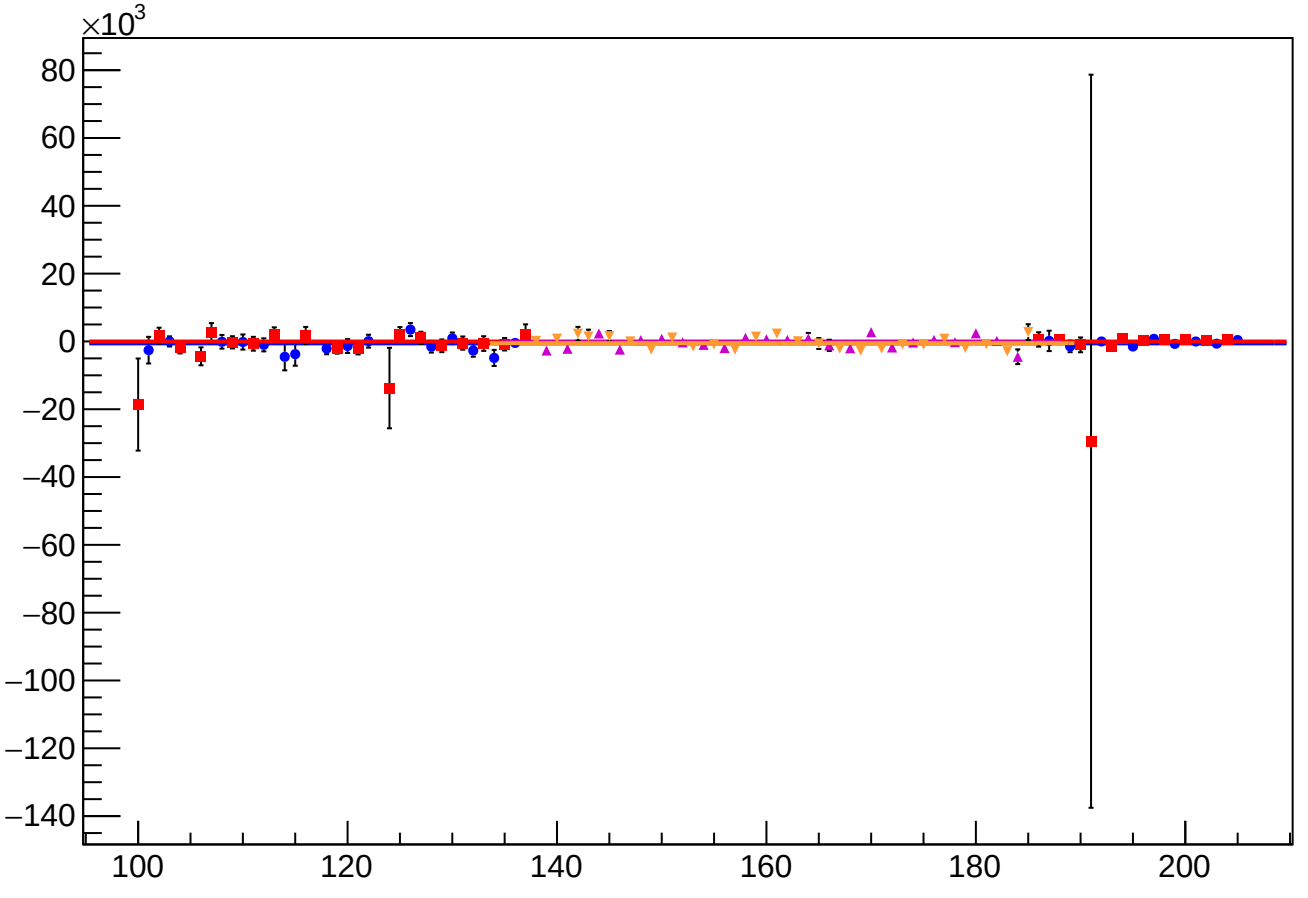
Left: 269.255+/-0.033 χ^2/NDF: 7526339.3/47

Right: 475.822+/-0.080 χ^2/NDF: 22422315.2/54

In: 301.252+/-0.044 χ^2/NDF:16282056.1/47

Out: 297.180+/-0.043 χ^2/NDF:19334075.9/54

All: 299.165+/-0.031 χ^2/NDF: 35620579.1/10



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -26.634+/-335.523 χ^2/NDF: 18.9/29

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

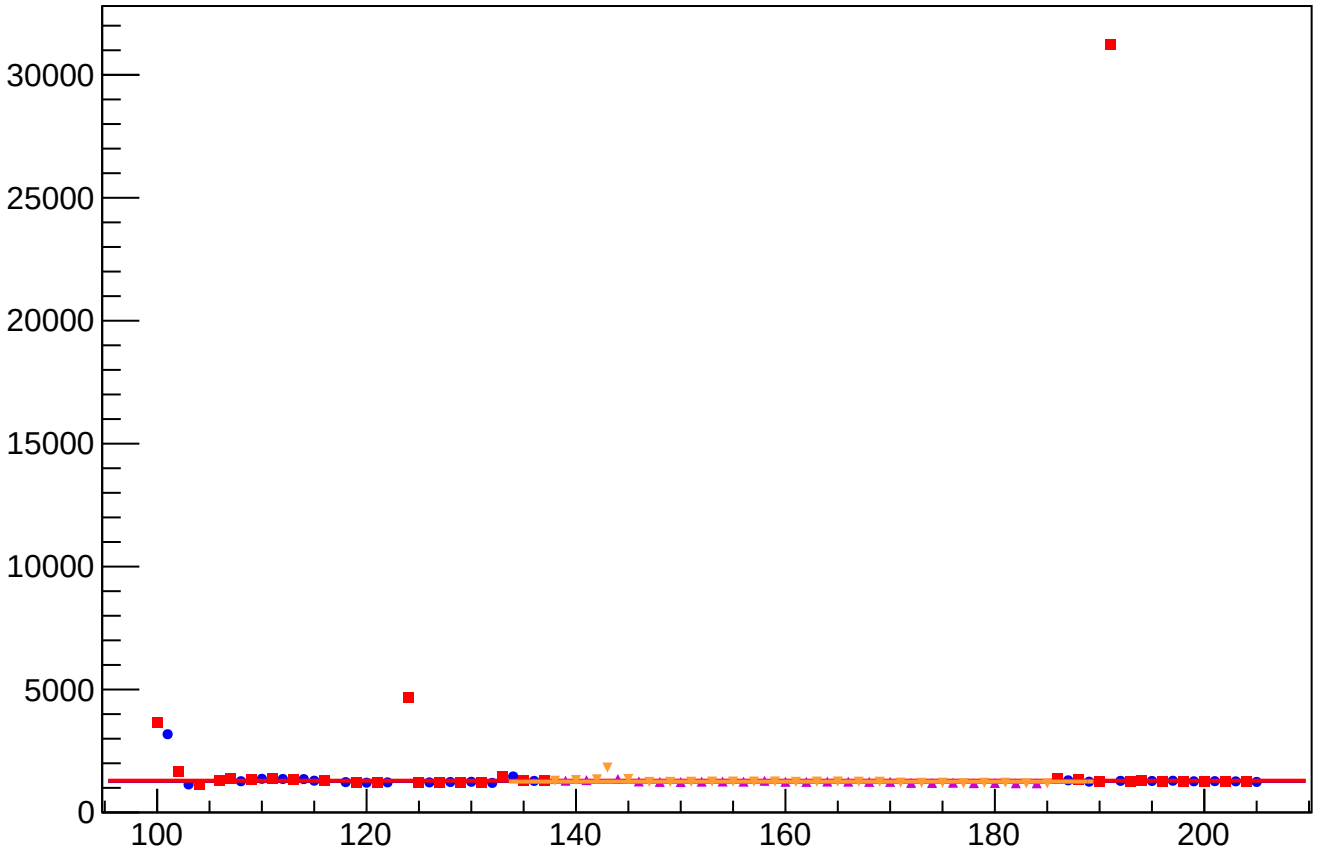
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -290.453+/-240.148 χ^2/NDF: 36.4/54

In: -378.333+/-222.209 χ^2/NDF:48.8/47

Out: -309.200+/-217.632 χ^2/NDF:51.1/54

All: -343.047+/-155.482 χ^2/NDF: 99.9/102



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

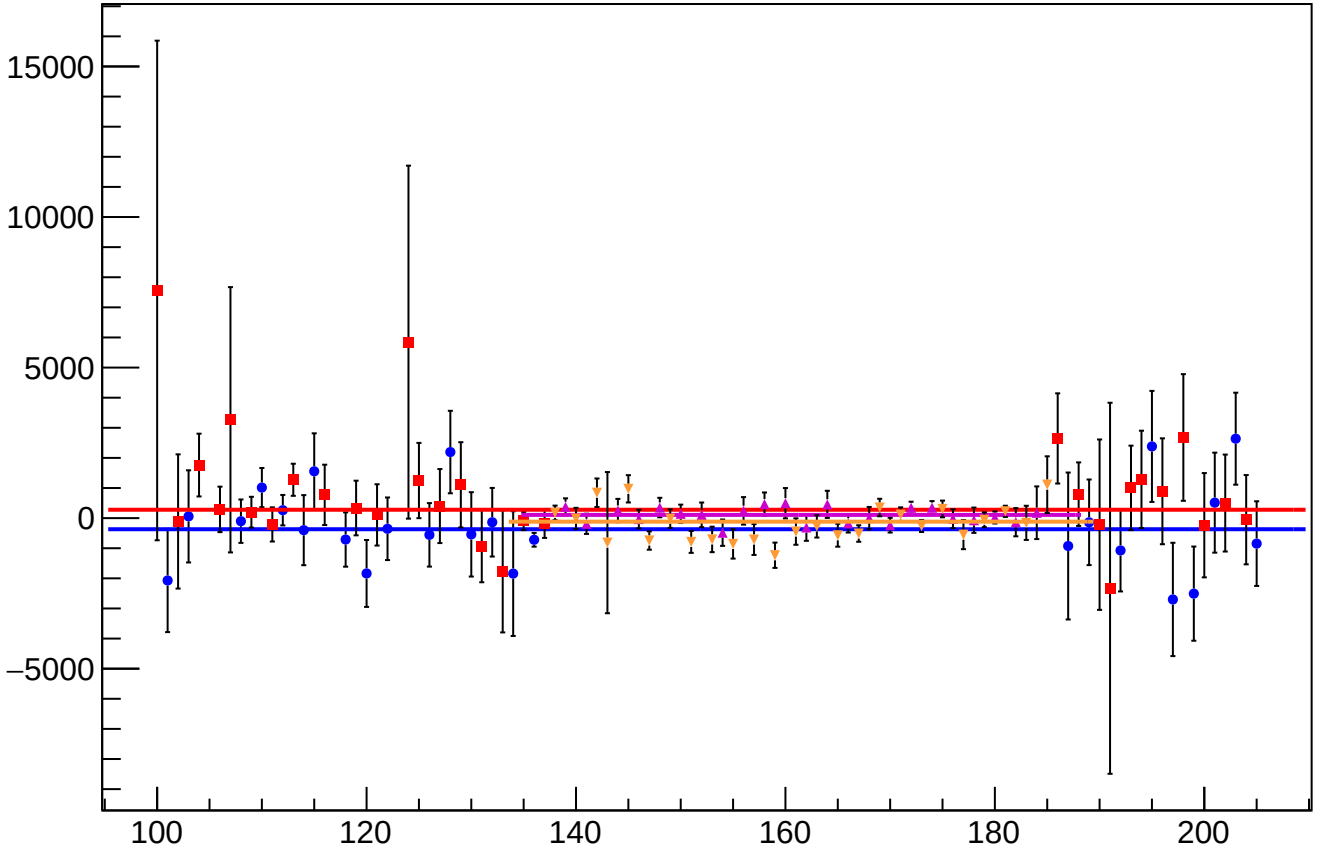
Right: 1285.361+/-0.170 χ^2/NDF: 1014852.1/54

In: 1259.804+/-0.157 χ^2/NDF:571392.3/47

Out: 1270.794+/-0.154 χ^2/NDF:708709.0/54

All: 1265.413+/-0.110 χ^2/NDF: 1282598.3/10

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

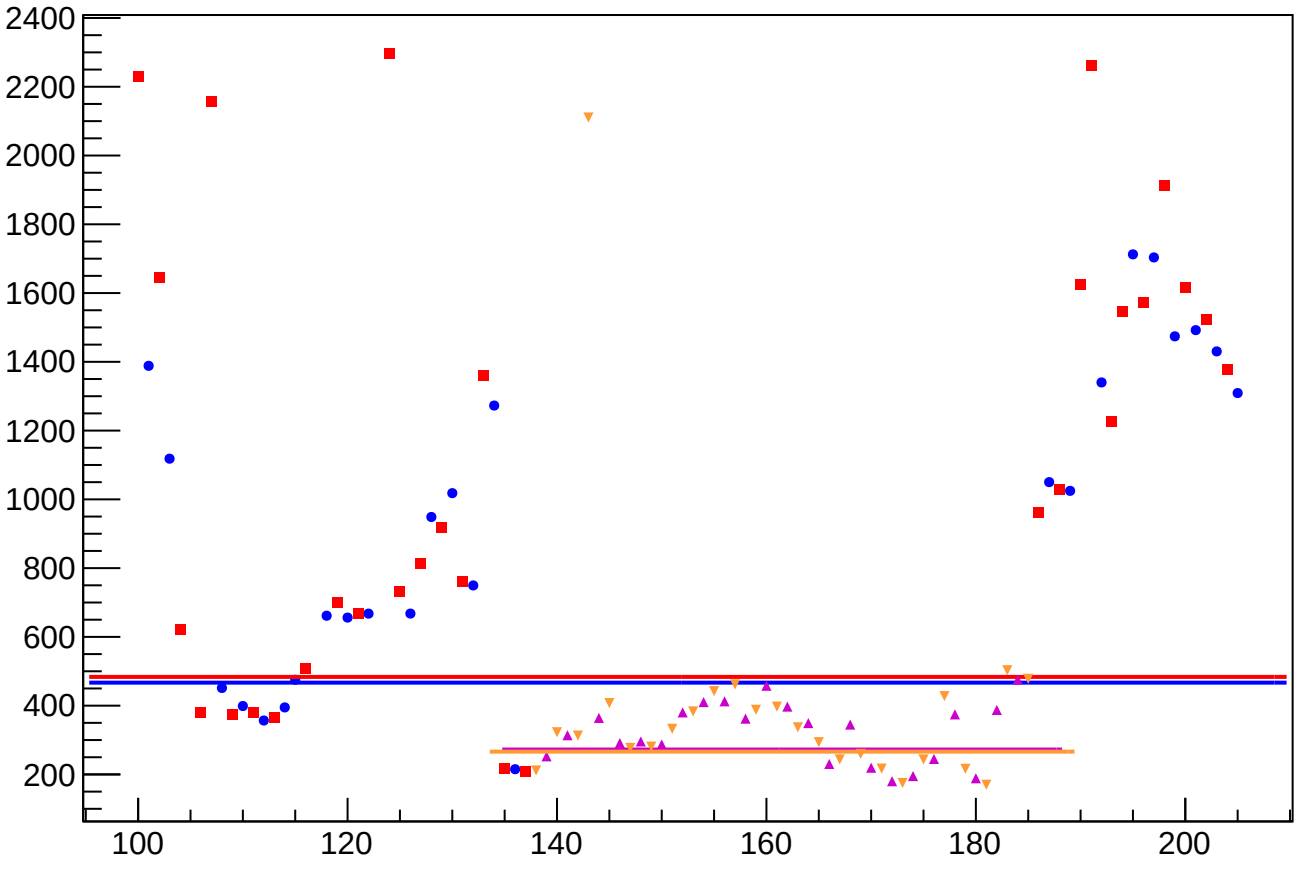
Right: -44.694+/-113.381 χ^2/NDF: 55.8/54

In: 36.778+/-61.831 χ^2/NDF:49.4/47

Out: -61.049+/-60.279 χ^2/NDF:73.1/54

All: -13.379+/-43.162 χ^2/NDF: 123.8/102

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

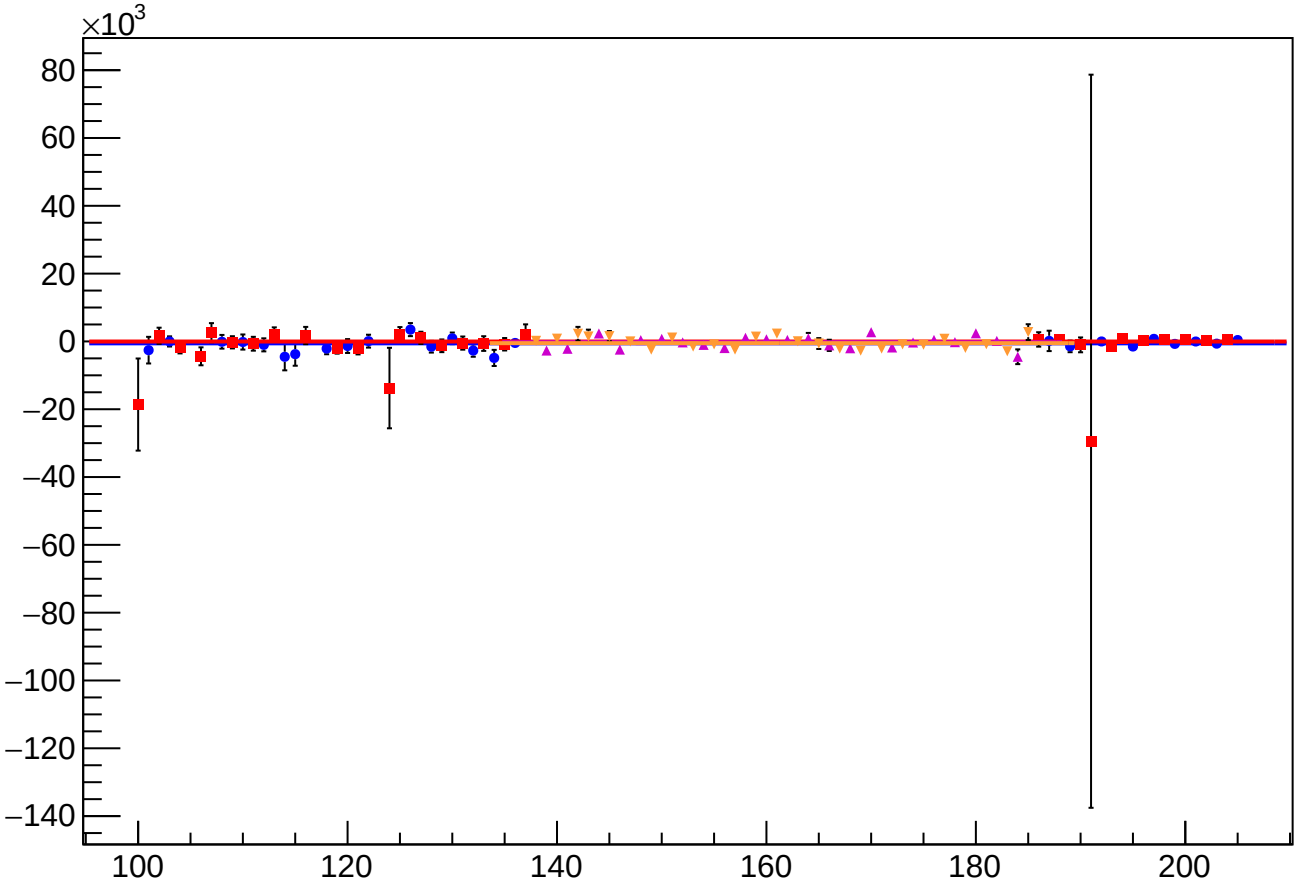
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 475.311+/-0.080 χ^2/NDF: 22444576.3/54

In: 301.258+/-0.044 χ^2/NDF:16284513.9/47

Out: 297.093+/-0.043 χ^2/NDF:19329537.9/54

All: 299.123+/-0.031 χ^2/NDF: 35618706.4/10



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -26.634+/-335.523 χ^2/NDF: 18.9/29

Left In: -242.663+/-291.166 χ^2/NDF:32.0/22

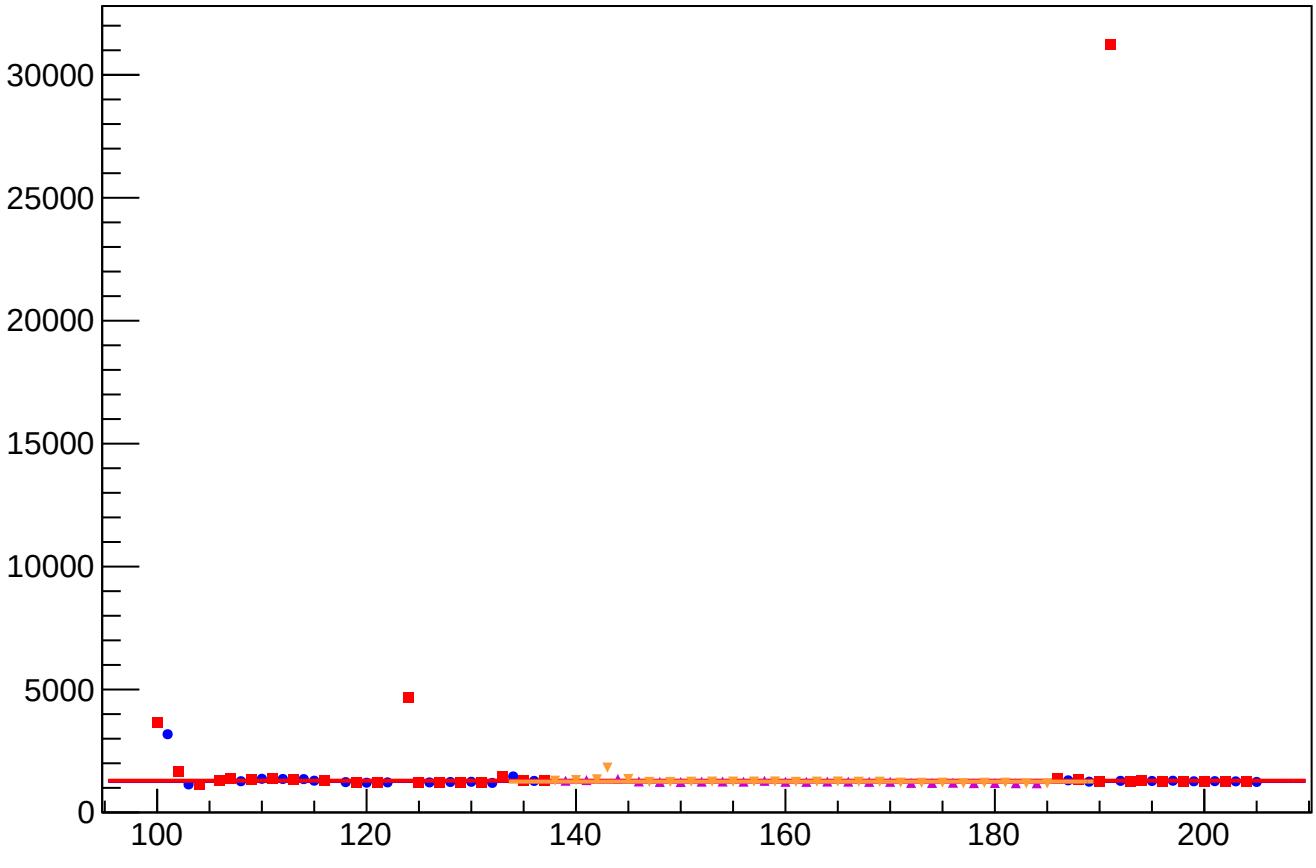
Left: -381.005+/-204.014 χ^2/NDF: 63.4/47

Right: -290.453+/-240.148 χ^2/NDF: 36.4/54

In: -378.333+/-222.209 χ^2/NDF:48.8/47

Out: -309.200+/-217.632 χ^2/NDF:51.1/54

All: -343.047+/-155.482 χ^2/NDF: 99.9/102



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

Right Out: 1291.832+/-0.237 χ^2/NDF: 492010.9/29

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

Left: 1251.017+/-0.144 χ^2/NDF: 243988.6/47

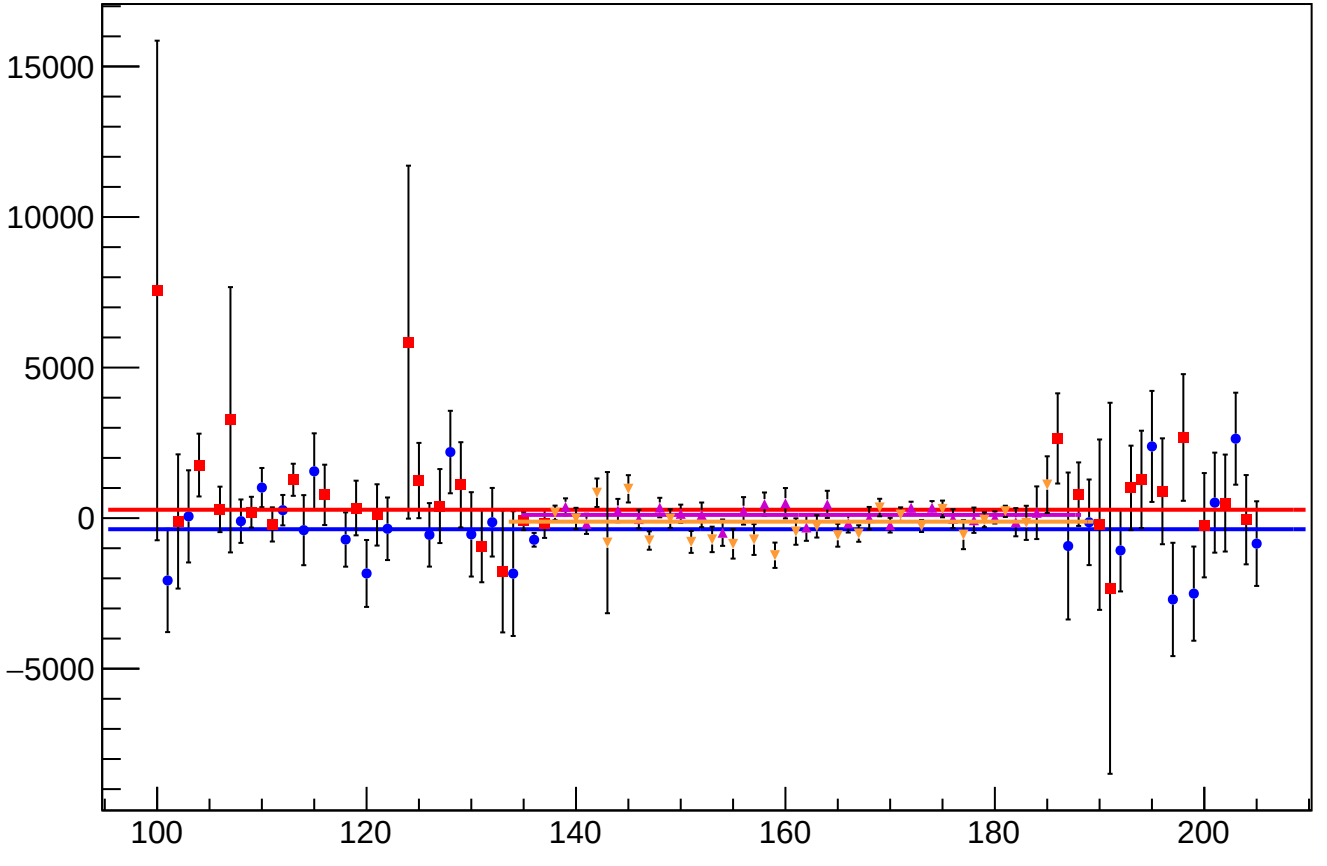
Right: 1285.361+/-0.170 χ^2/NDF: 1014852.1/54

In: 1259.804+/-0.157 χ^2/NDF:571392.3/47

Out: 1270.794+/-0.154 χ^2/NDF:708709.0/54

All: 1265.413+/-0.110 χ^2/NDF: 1282598.3/10

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: 278.179+/-160.196 χ^2/NDF: 19.4/29

Left In: 107.459+/-67.003 χ^2/NDF:13.7/22

Left: -8.072+/-46.676 χ^2/NDF: 68.0/47

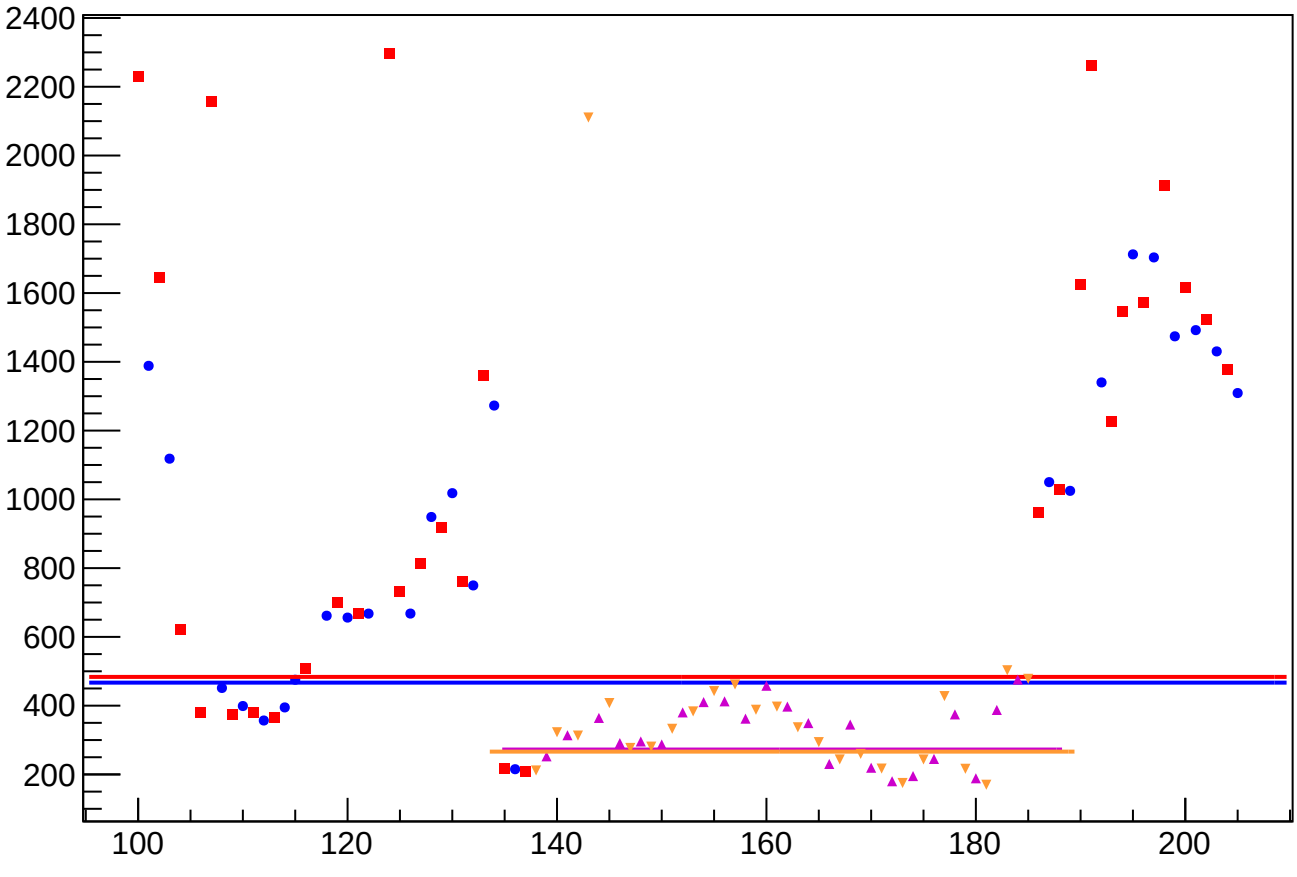
Right: -44.694+/-113.381 χ^2/NDF: 55.8/54

In: 36.778+/-61.831 χ^2/NDF:49.4/47

Out: -61.049+/-60.279 χ^2/NDF:73.1/54

All: -13.379+/-43.162 χ^2/NDF: 123.8/102

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 483.622+/-0.113 χ^2/NDF: 11540549.7/29

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

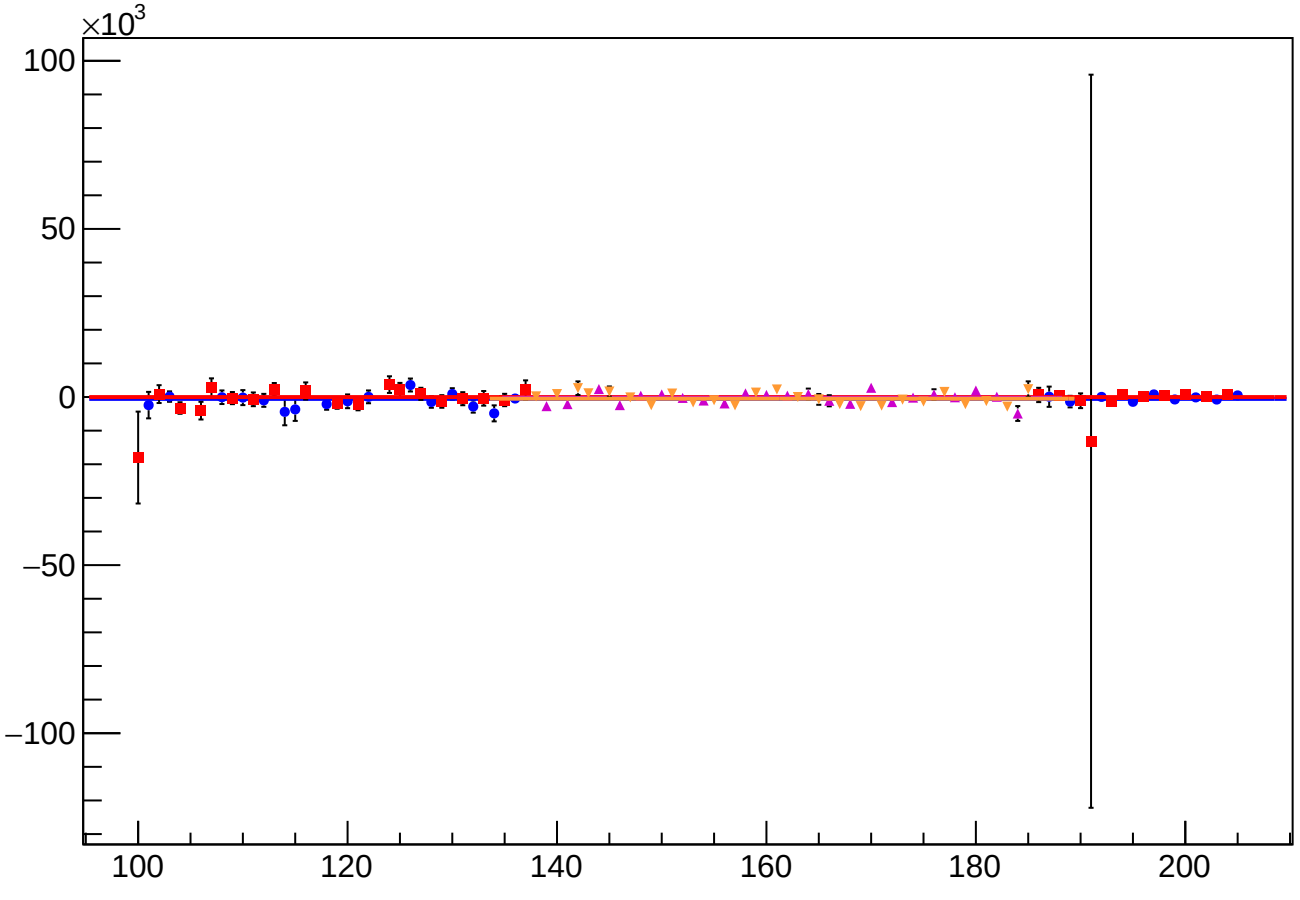
Left: 269.263+/-0.033 χ^2/NDF: 7526161.0/47

Right: 475.311+/-0.080 χ^2/NDF: 22444576.3/54

In: 301.258+/-0.044 χ^2/NDF:16284513.9/47

Out: 297.093+/-0.043 χ^2/NDF:19329537.9/54

All: 299.123+/-0.031 χ^2/NDF: 35618706.4/10



Right In: -549.440+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -19.491+/-334.631 χ^2/NDF: 20.7/29

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

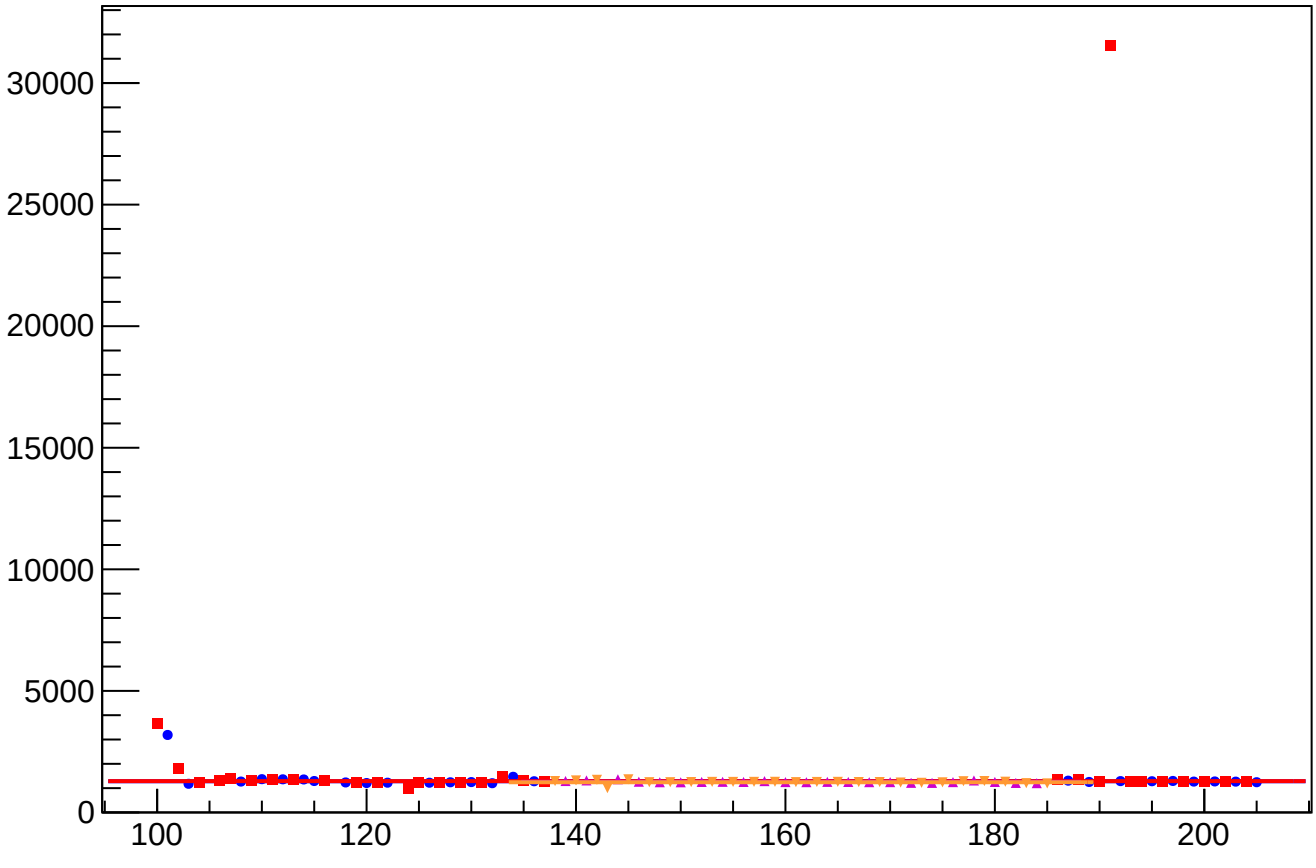
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -276.365+/-240.209 χ^2/NDF: 38.2/54

In: -371.504+/-223.925 χ^2/NDF:47.4/47

Out: -296.025+/-215.967 χ^2/NDF:56.1/54

All: -332.399+/-155.449 χ^2/NDF: 103.6/102



Right In: 1282.958+/-0.244 χ^2/NDF: 513246.0/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.5/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

Left: 1250.964+/-0.144 χ^2/NDF: 161655.2/47

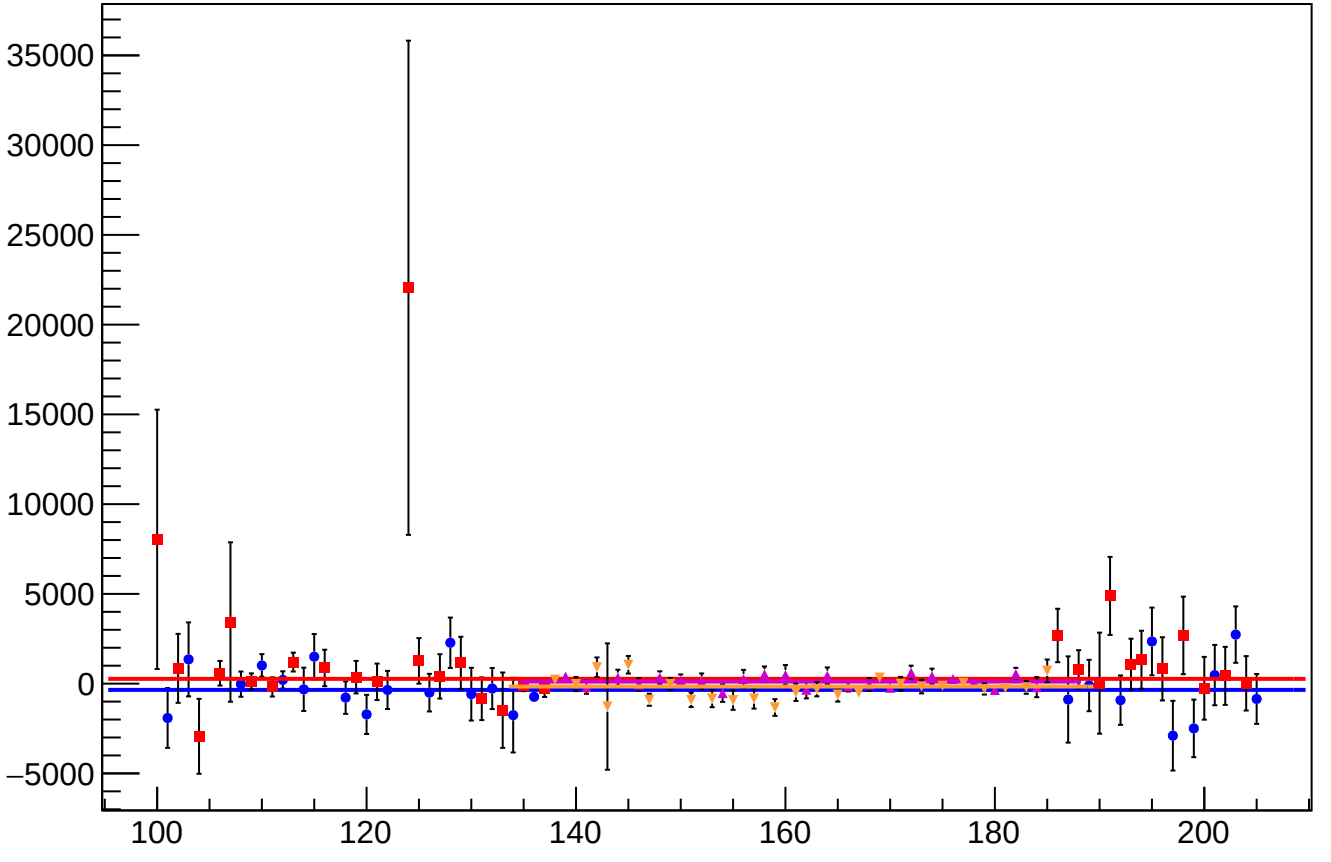
Right: 1285.888+/-0.170 χ^2/NDF: 887128.4/54

In: 1269.725+/-0.158 χ^2/NDF:546261.7/47

Out: 1261.743+/-0.153 χ^2/NDF:525777.8/54

All: 1265.590+/-0.110 χ^2/NDF: 1073355.9/10

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -347.914+/-162.186 χ^2/NDF: 28.5/24

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: 267.014+/-160.204 χ^2/NDF: 25.9/29

Left In: 113.722+/-68.841 χ^2/NDF:18.2/22

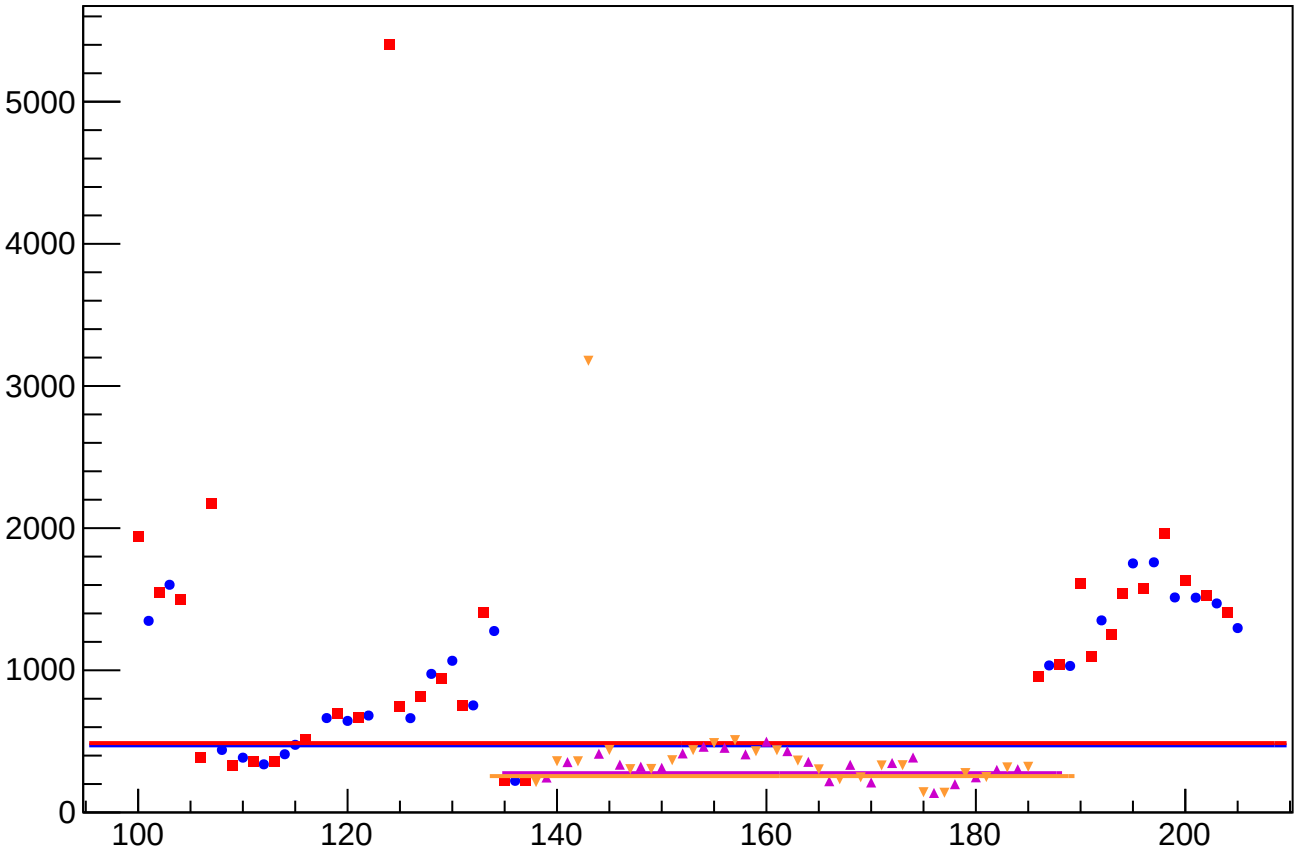
Left: -33.316+/-46.925 χ^2/NDF: 70.5/47

Right: -36.668+/-113.976 χ^2/NDF: 61.6/54

In: 43.249+/-63.369 χ^2/NDF:53.5/47

Out: -101.821+/-59.539 χ^2/NDF:75.8/54

All: -33.802+/-43.391 χ^2/NDF: 132.1/102



Right In: 472.069+/-0.115 χ^2/NDF: 11037924.1/24

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

Right Out: 487.908+/-0.113 χ^2/NDF: 12055652.5/29

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

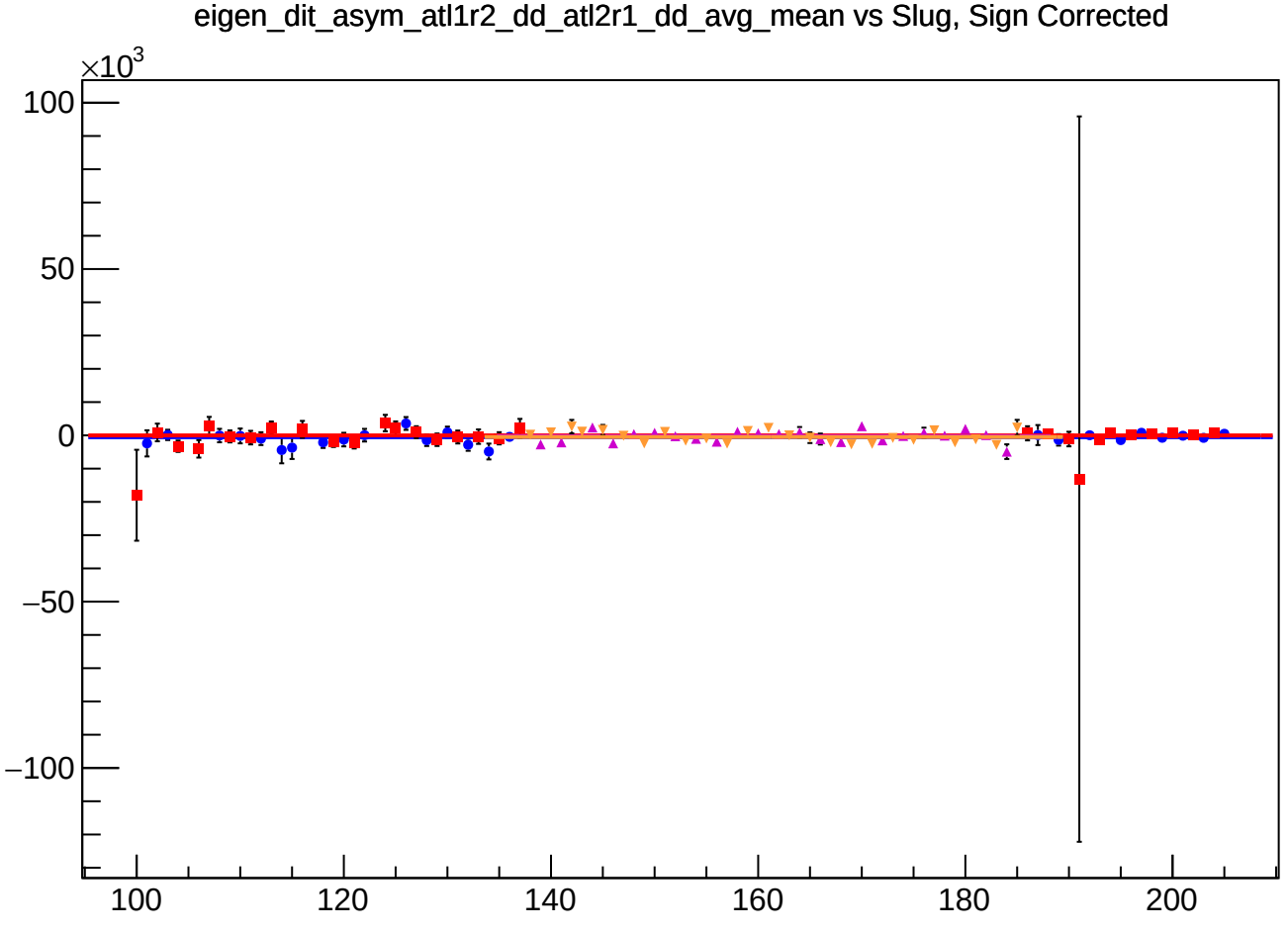
Left: 265.307+/-0.033 χ^2/NDF: 10496569.7/47

Right: 480.086+/-0.081 χ^2/NDF: 23103231.8/54

In: 306.184+/-0.045 χ^2/NDF:17534524.2/47

Out: 287.832+/-0.042 χ^2/NDF:22048946.5/54

All: 296.437+/-0.031 χ^2/NDF: 39672570.2/10



Right In: -549.442+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -19.490+/-334.631 χ^2/NDF: 20.7/29

Left In: -242.004+/-294.339 χ^2/NDF:30.7/22

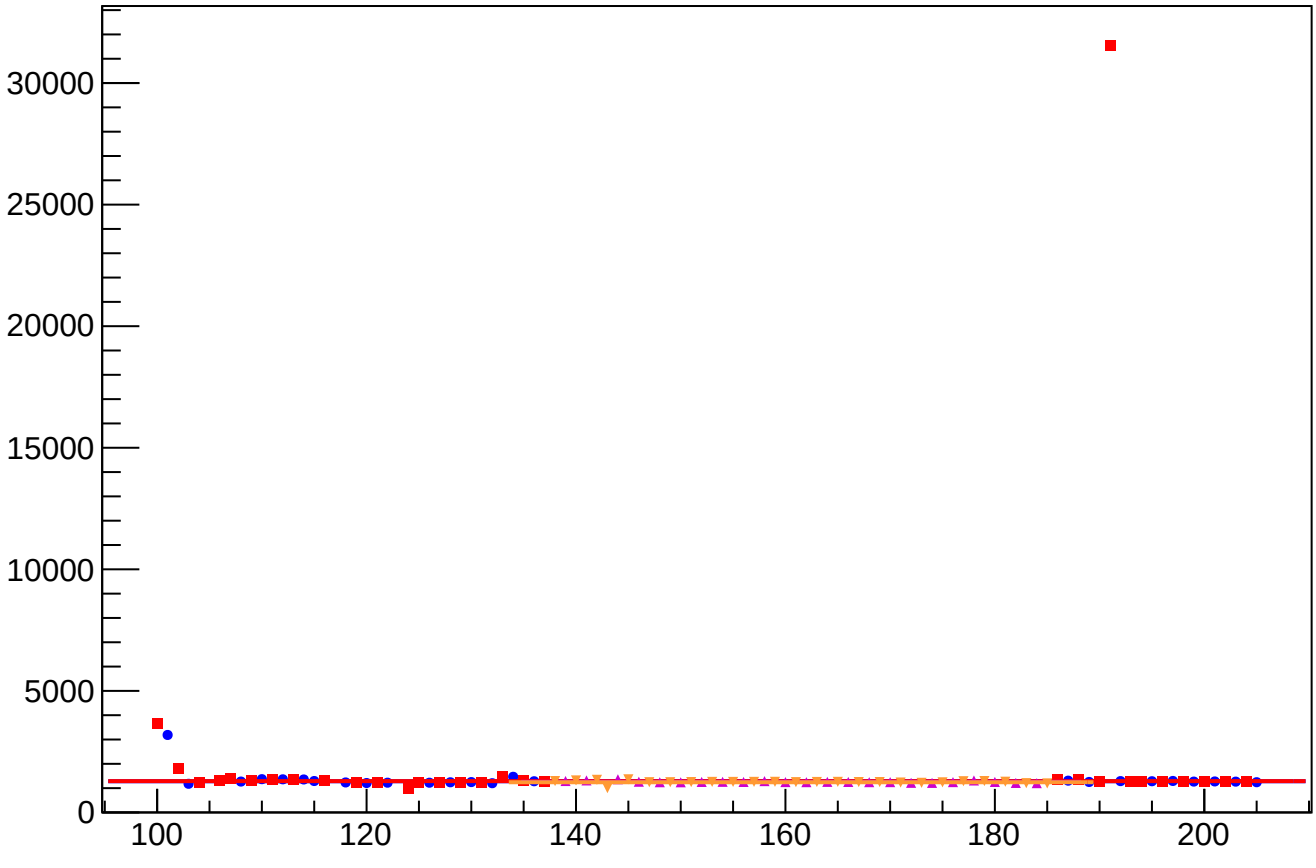
Left: -372.774+/-203.903 χ^2/NDF: 65.3/47

Right: -276.366+/-240.209 χ^2/NDF: 38.2/54

In: -371.504+/-223.925 χ^2/NDF:47.4/47

Out: -296.024+/-215.967 χ^2/NDF:56.1/54

All: -332.399+/-155.449 χ^2/NDF: 103.6/102



Right In: 1282.958+/-0.244 χ^2/NDF: 513245.9/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

Right Out: 1288.644+/-0.237 χ^2/NDF: 373602.8/29

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

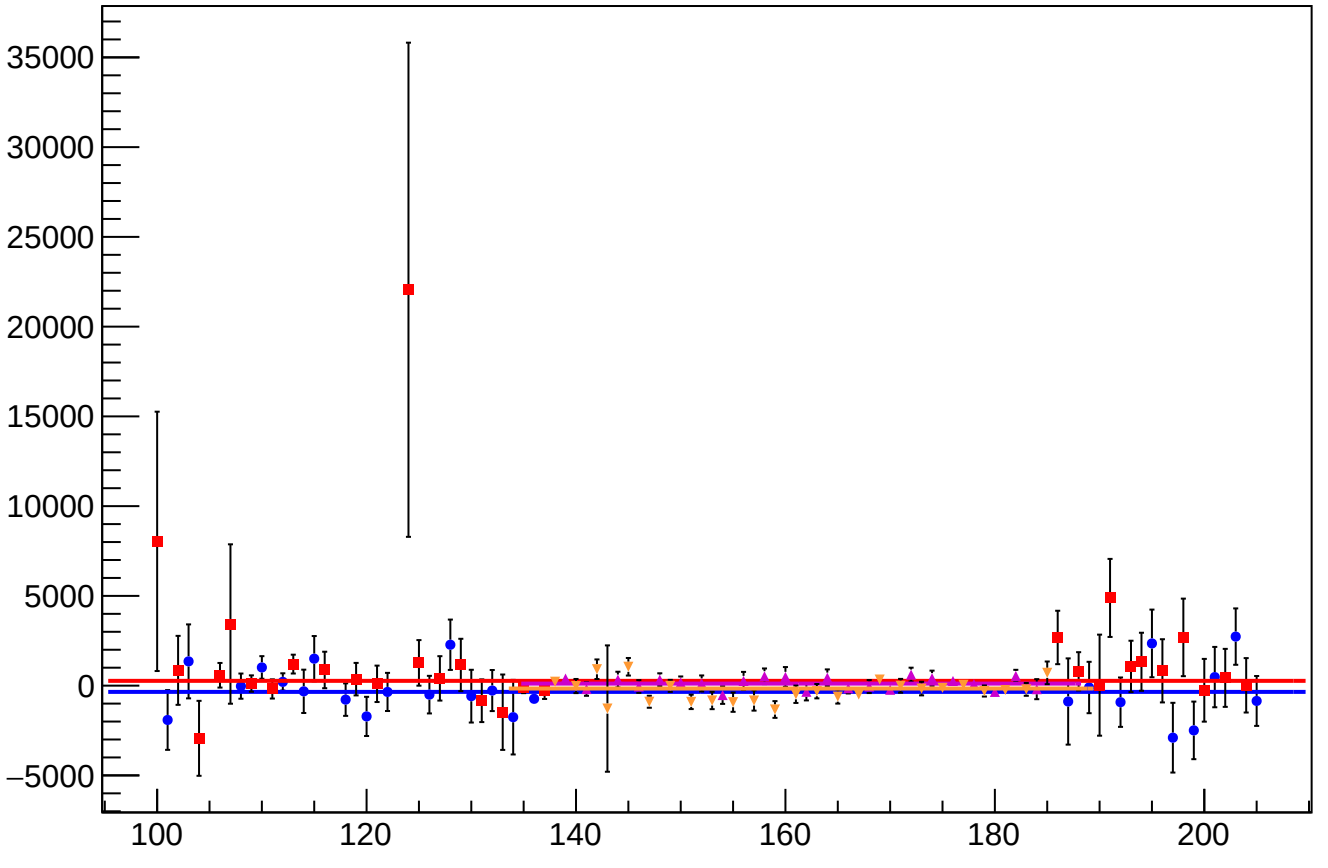
Left: 1250.964+/-0.144 χ^2/NDF: 161654.3/47

Right: 1285.888+/-0.170 χ^2/NDF: 887128.6/54

In: 1269.725+/-0.158 χ^2/NDF:546261.7/47

Out: 1261.743+/-0.153 χ^2/NDF:525777.2/54

All: 1265.590+/-0.110 χ^2/NDF: 1073355.3/10



Right In: -347.914+/-162.189 χ^2/NDF: 28.5/24

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

Right Out: 267.022+/-160.206 χ^2/NDF: 25.9/29

Left In: 113.720+/-68.841 χ^2/NDF:18.2/22

Left: -33.318+/-46.925 χ^2/NDF: 70.5/47

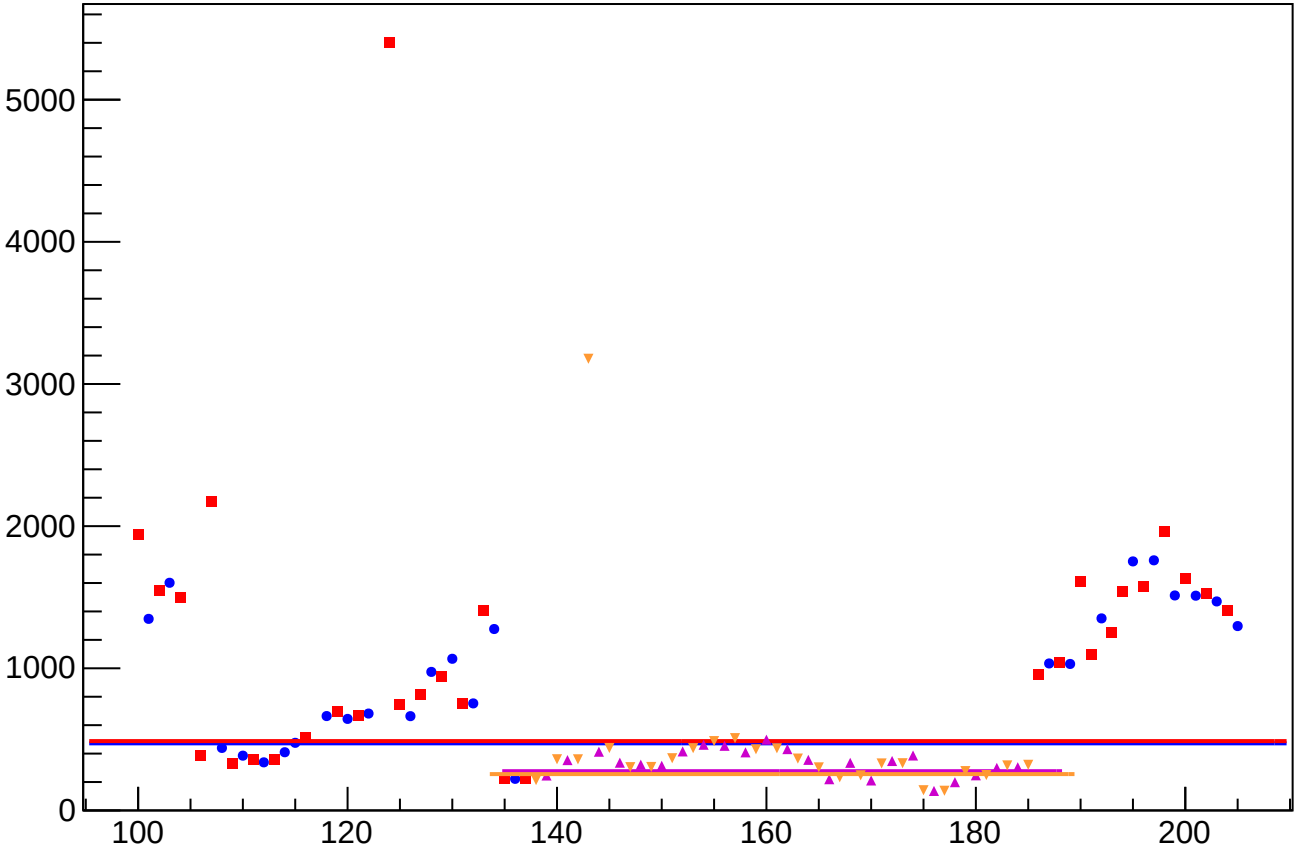
Right: -36.663+/-113.977 χ^2/NDF: 61.6/54

In: 43.250+/-63.369 χ^2/NDF:53.5/47

Out: -101.824+/-59.539 χ^2/NDF:75.8/54

All: -33.803+/-43.391 χ^2/NDF: 132.1/102

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 472.081+/-0.115 χ^2/NDF: 11037600.4/24

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 487.918+/-0.113 χ^2/NDF: 12055388.0/29

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

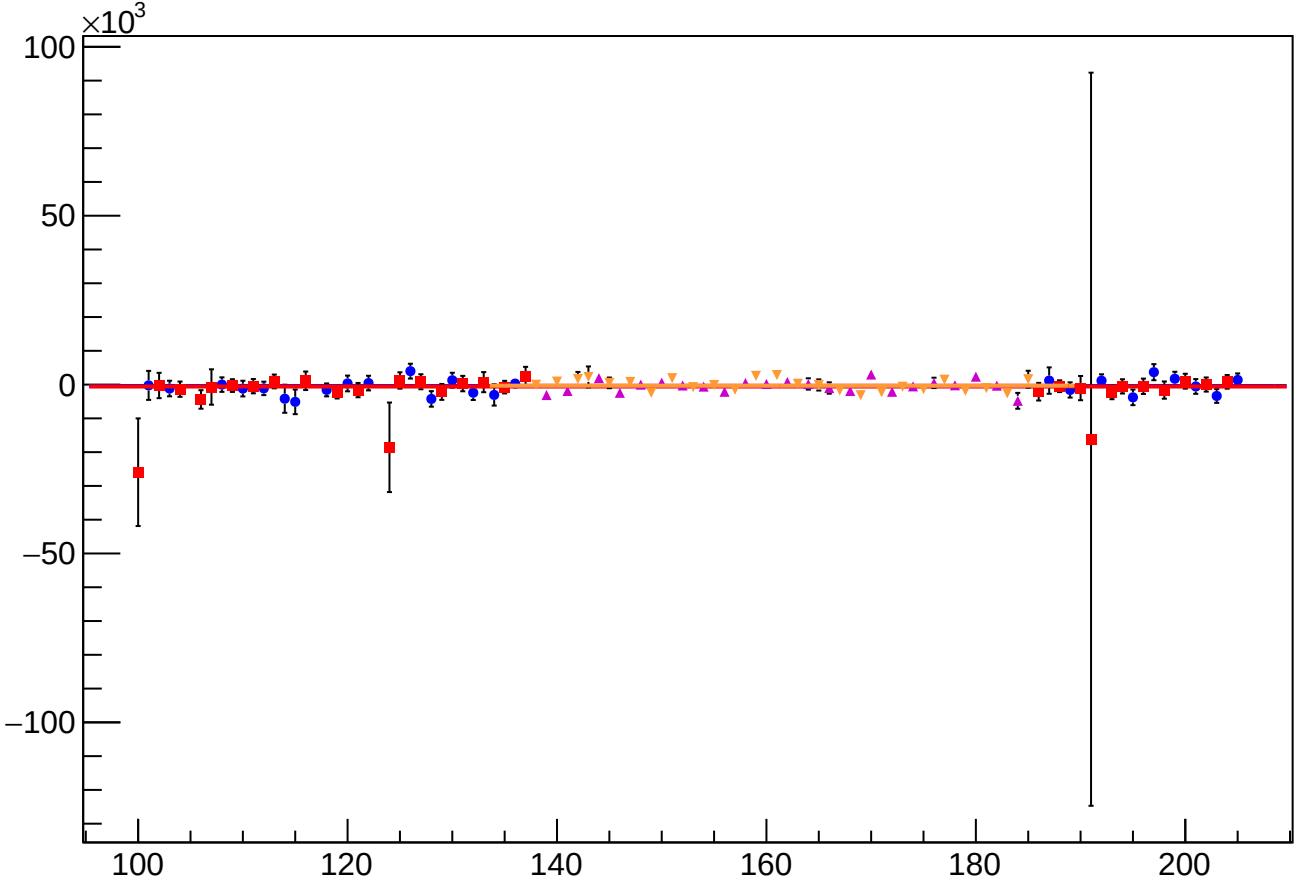
Left: 265.308+/-0.033 χ^2/NDF: 10496422.7/47

Right: 480.097+/-0.081 χ^2/NDF: 23102640.4/54

In: 306.186+/-0.045 χ^2/NDF:17534383.3/47

Out: 287.834+/-0.042 χ^2/NDF:22048757.6/54

All: 296.438+/-0.031 χ^2/NDF: 39672235.3/10



Right In: -425.909+/-447.382 χ^2/NDF: 22.9/24

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: -567.706+/-440.175 χ^2/NDF: 13.7/29

Left In: -356.387+/-301.902 χ^2/NDF:29.7/22

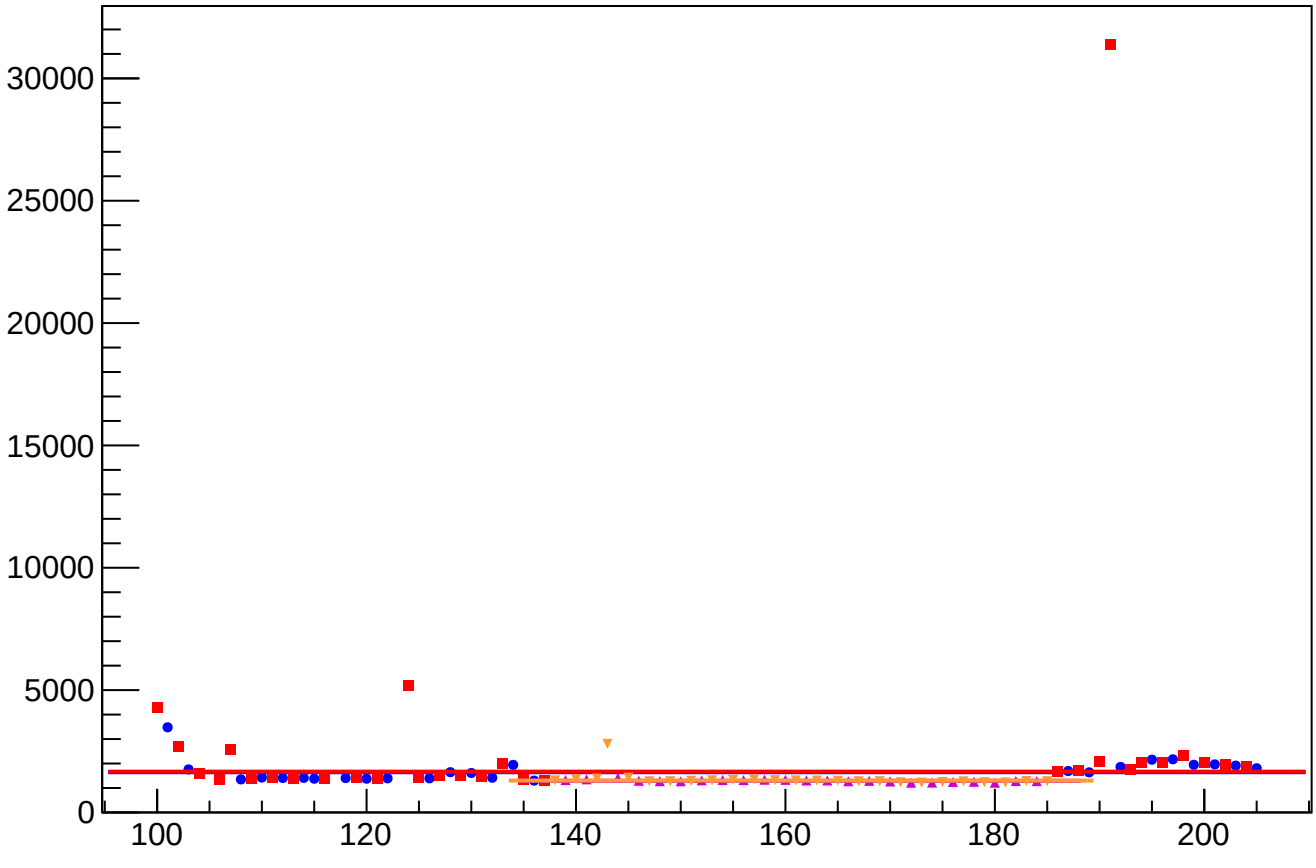
Left: -337.843+/-212.182 χ^2/NDF: 61.2/47

Right: -497.959+/-313.768 χ^2/NDF: 36.6/54

In: -378.140+/-250.252 χ^2/NDF:52.5/47

Out: -397.772+/-246.921 χ^2/NDF:45.4/54

All: -388.087+/-175.765 χ^2/NDF: 98.0/102



Right In: 1644.206+/-0.316 χ^2/NDF: 1101873.5/24

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

Right Out: 1668.176+/-0.311 χ^2/NDF: 1370915.7/29

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

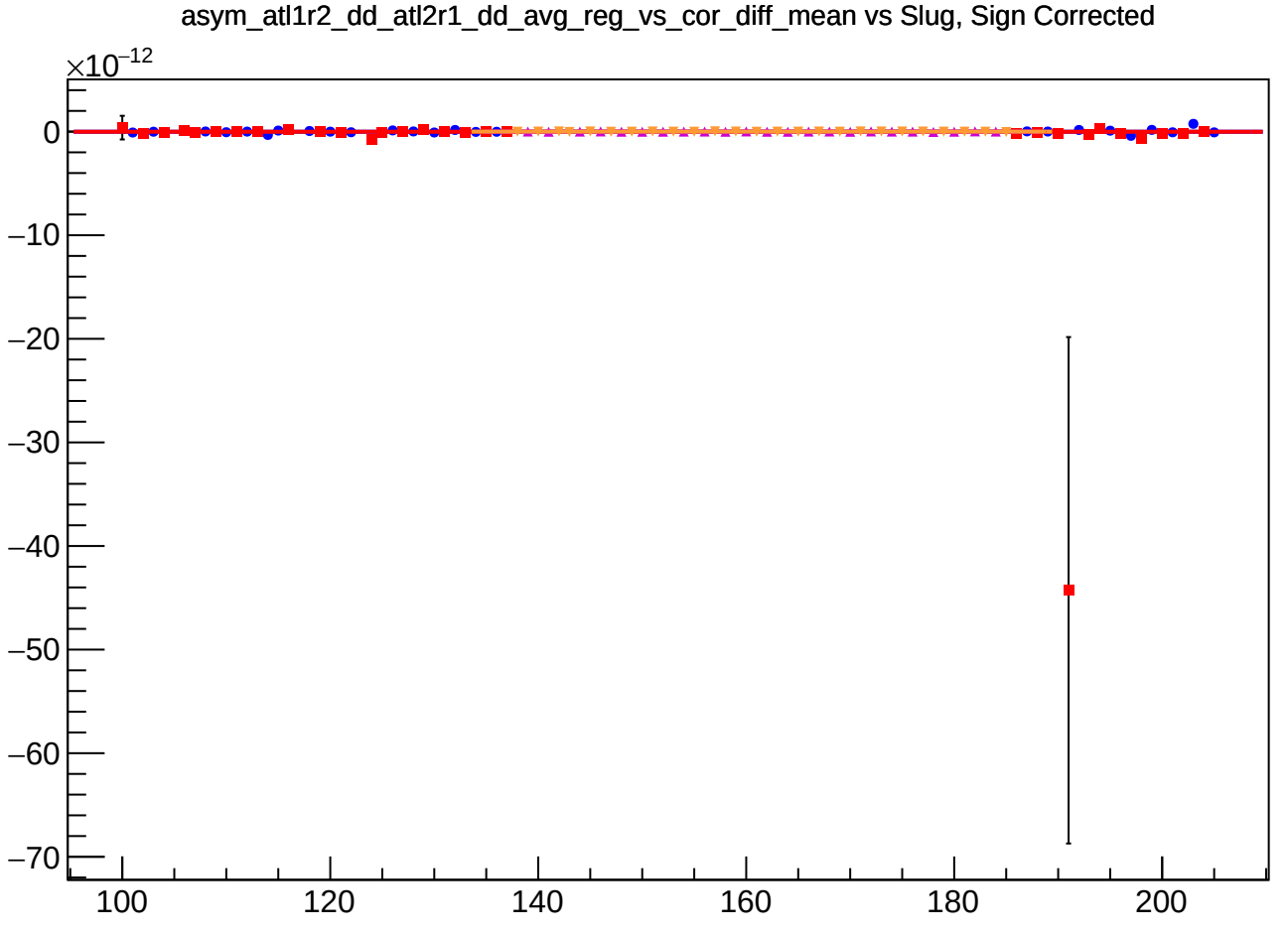
Left: 1298.212+/-0.150 χ^2/NDF: 569560.1/47

Right: 1656.385+/-0.222 χ^2/NDF: 2475706.4/54

In: 1402.288+/-0.177 χ^2/NDF:2001327.8/47

Out: 1418.705+/-0.175 χ^2/NDF:2827925.0/54

All: 1410.607+/-0.124 χ^2/NDF: 4833614.0/10



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/29

Left In: -0.000+/-0.000 χ^2/NDF:29.6/22

Left: -0.000+/-0.000 χ^2/NDF: 54.2/47

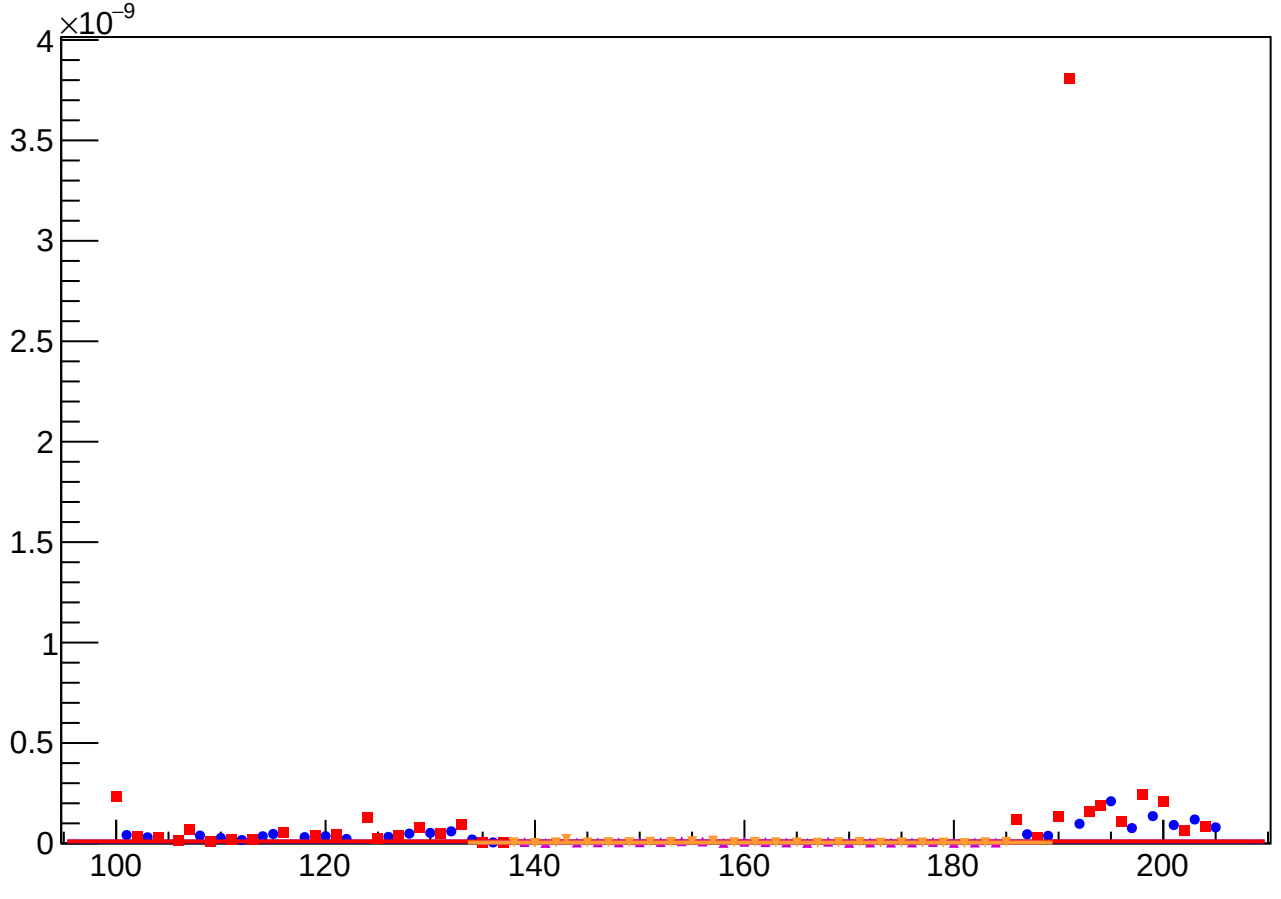
Right: -0.000+/-0.000 χ^2/NDF: 65.0/54

In: -0.000+/-0.000 χ^2/NDF:59.8/47

Out: -0.000+/-0.000 χ^2/NDF:64.0/54

All: -0.000+/-0.000 χ^2/NDF: 124.1/102

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6718649.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8599509.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4620695.3/47

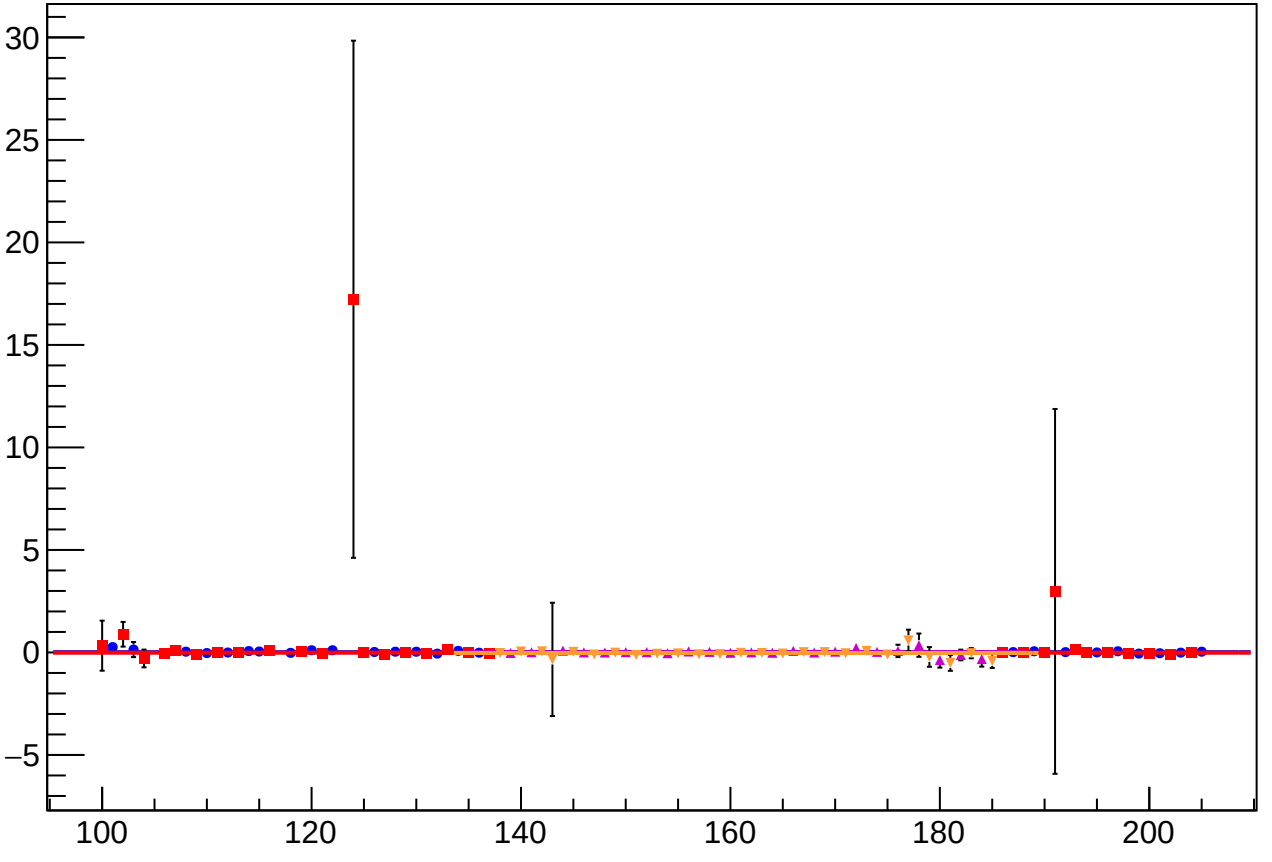
Right: 0.000+/-0.000 χ^2/NDF: 15323953.8/54

In: 0.000+/-0.000 χ^2/NDF:9375499.6/47

Out: 0.000+/-0.000 χ^2/NDF:12263921.7/54

All: 0.000+/-0.000 χ^2/NDF: 21666629.8/102

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

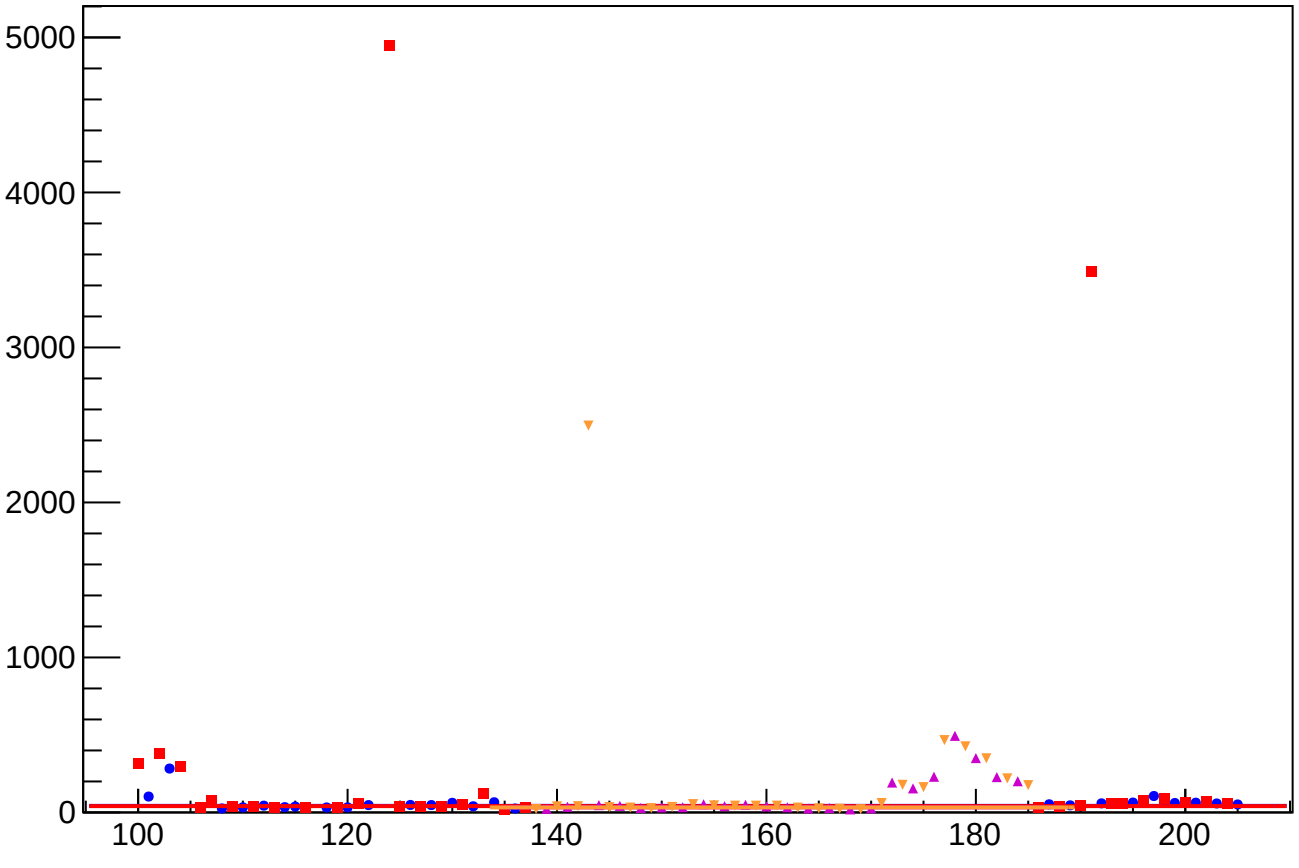
Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

Right: 0.001+/-0.009 χ^2/NDF: 38.1/54

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.005+/-0.005 χ^2/NDF: 88.4/102



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

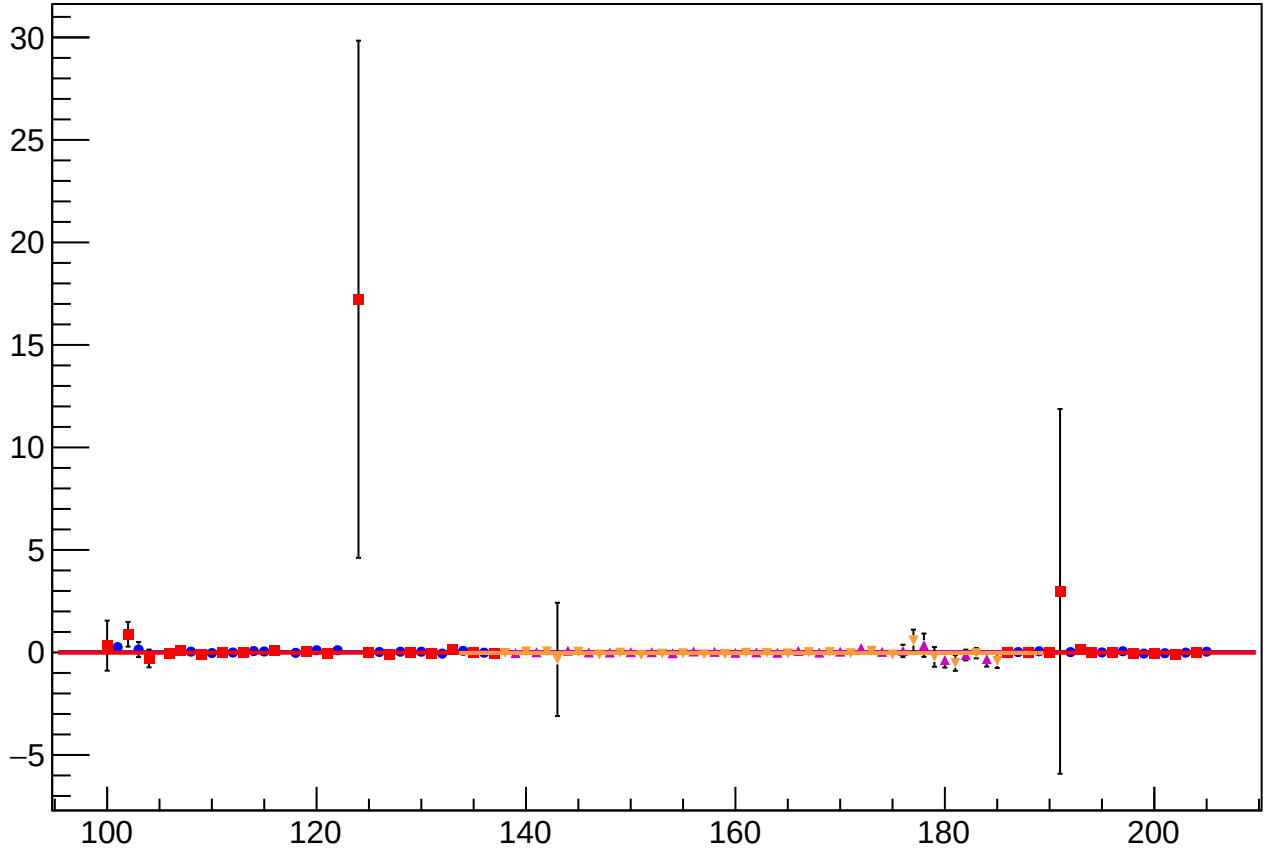
Right: 41.616+/-0.006 χ^2/NDF: 9392037.4/54

In: 36.093+/-0.005 χ^2/NDF:13682575.7/47

Out: 35.644+/-0.005 χ^2/NDF:16819595.4/54

All: 35.865+/-0.004 χ^2/NDF: 30505638.7/102

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

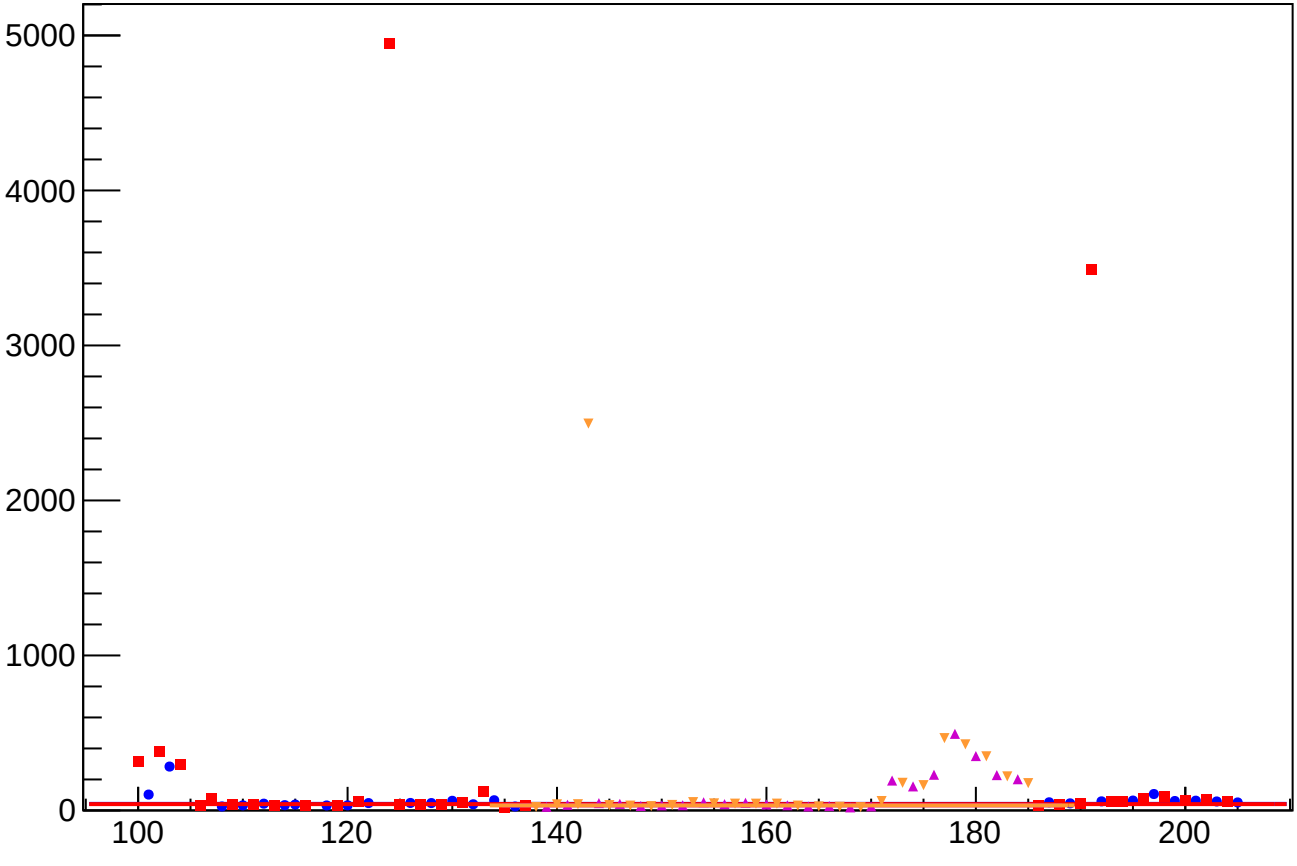
Right: 0.001+/-0.009 χ^2/NDF: 38.1/54

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.005+/-0.005 χ^2/NDF: 88.4/102

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377640.1/29

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

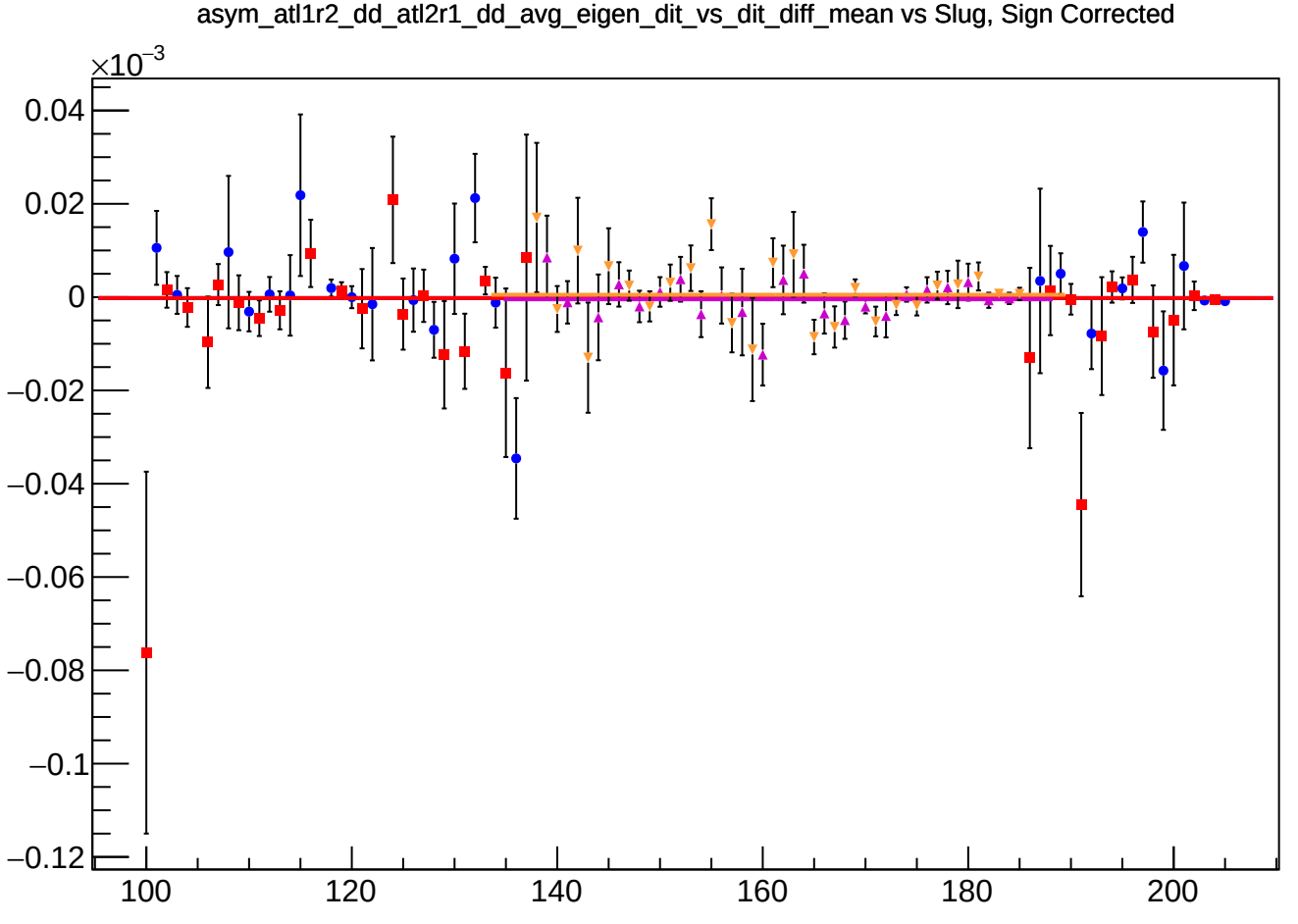
Left: 32.645+/-0.005 χ^2/NDF: 19835386.0/47

Right: 41.616+/-0.006 χ^2/NDF: 9392037.4/54

In: 36.093+/-0.005 χ^2/NDF:13682575.7/47

Out: 35.644+/-0.005 χ^2/NDF:16819595.4/54

All: 35.865+/-0.004 χ^2/NDF: 30505638.7/102



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/29

Left In: -0.000+/-0.000 χ^2/NDF:13.7/22

Left: 0.000+/-0.000 χ^2/NDF: 50.9/47

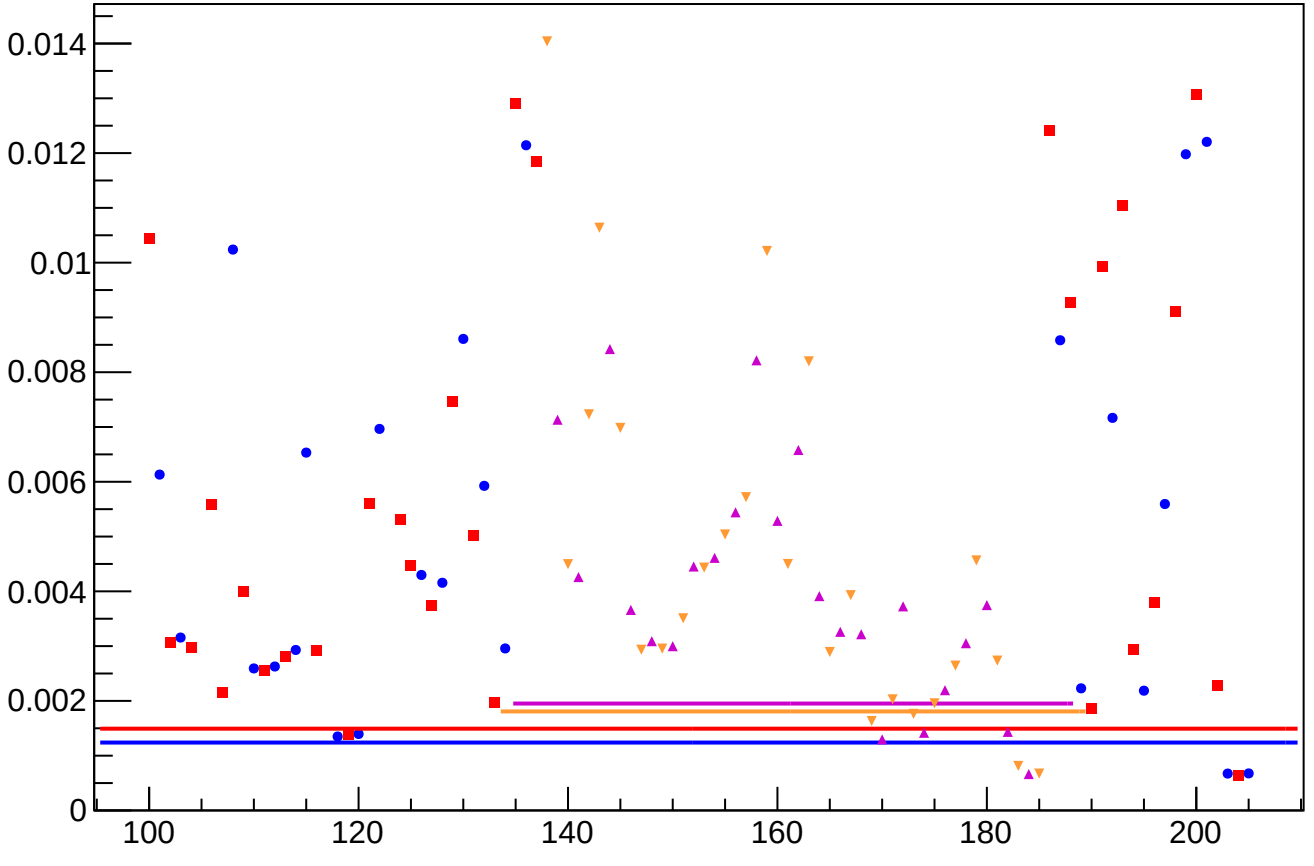
Right: -0.000+/-0.000 χ^2/NDF: 56.4/54

In: -0.000+/-0.000 χ^2/NDF:44.1/47

Out: 0.000+/-0.000 χ^2/NDF:62.6/54

All: -0.000+/-0.000 χ^2/NDF: 107.5/102

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 14011297.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 14939490.4/29

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

Left: 0.002+/-0.000 χ^2/NDF: 26484379.9/47

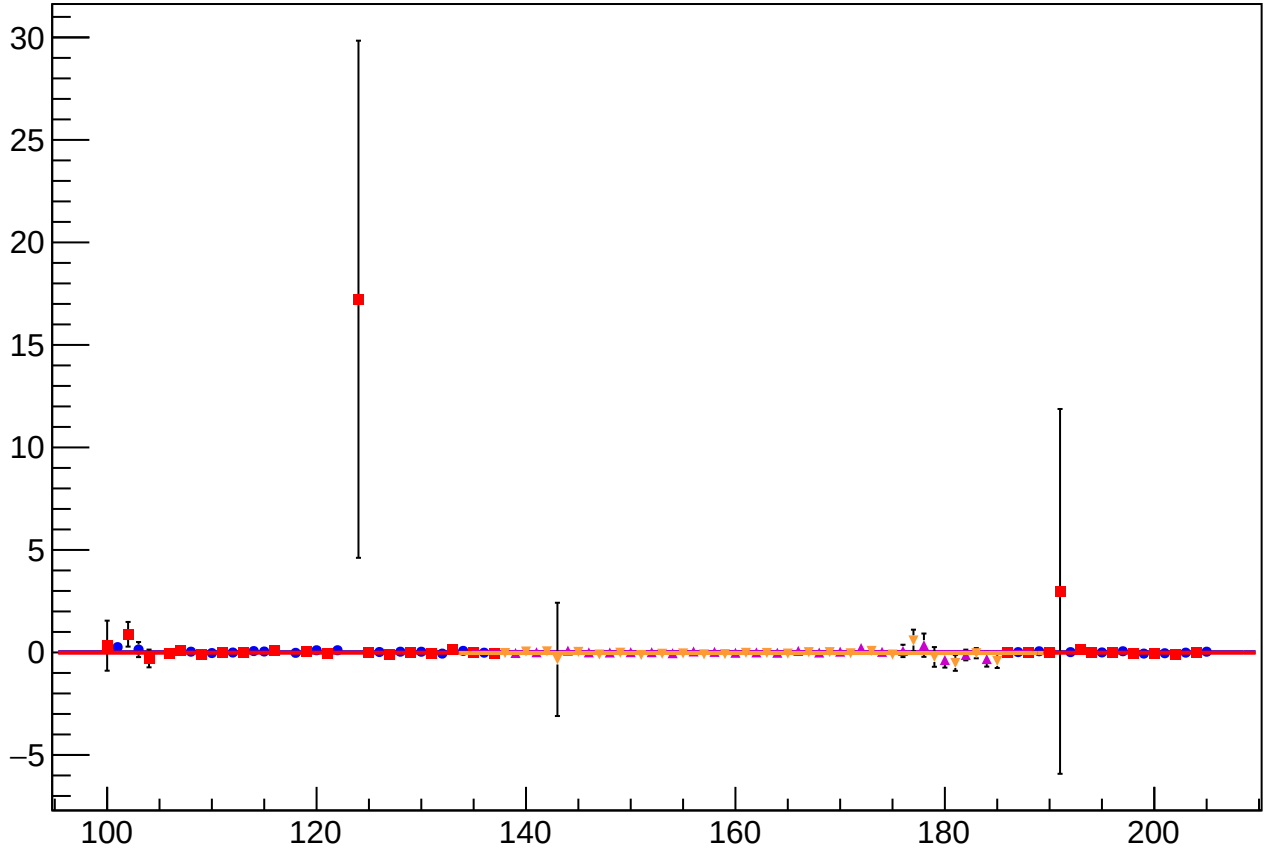
Right: 0.001+/-0.000 χ^2/NDF: 29167722.2/54

In: 0.002+/-0.000 χ^2/NDF:27143757.7/47

Out: 0.002+/-0.000 χ^2/NDF:30198961.8/54

All: 0.002+/-0.000 χ^2/NDF: 57416925.1/102

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

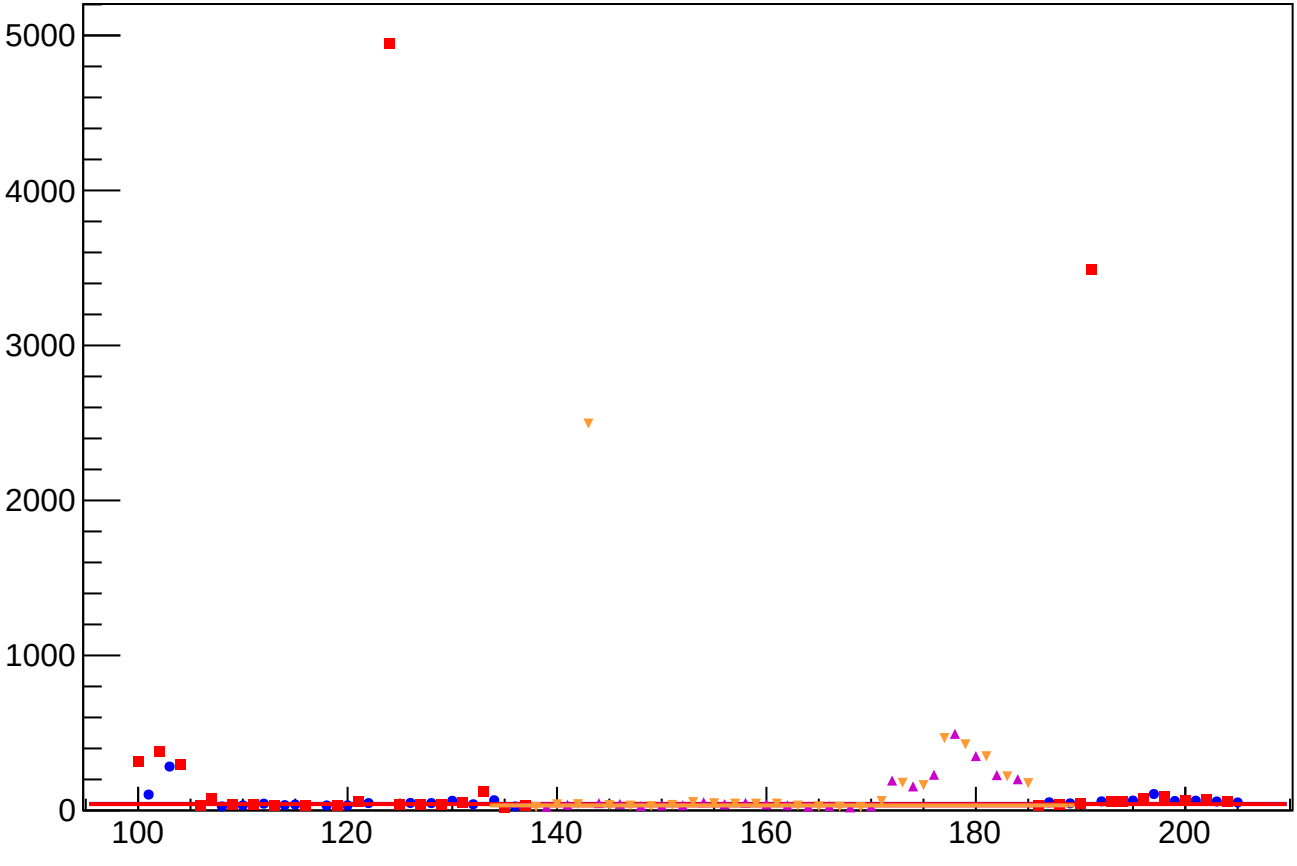
Right: 0.001+/-0.009 χ^2/NDF: 38.1/54

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.005+/-0.005 χ^2/NDF: 88.4/102

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

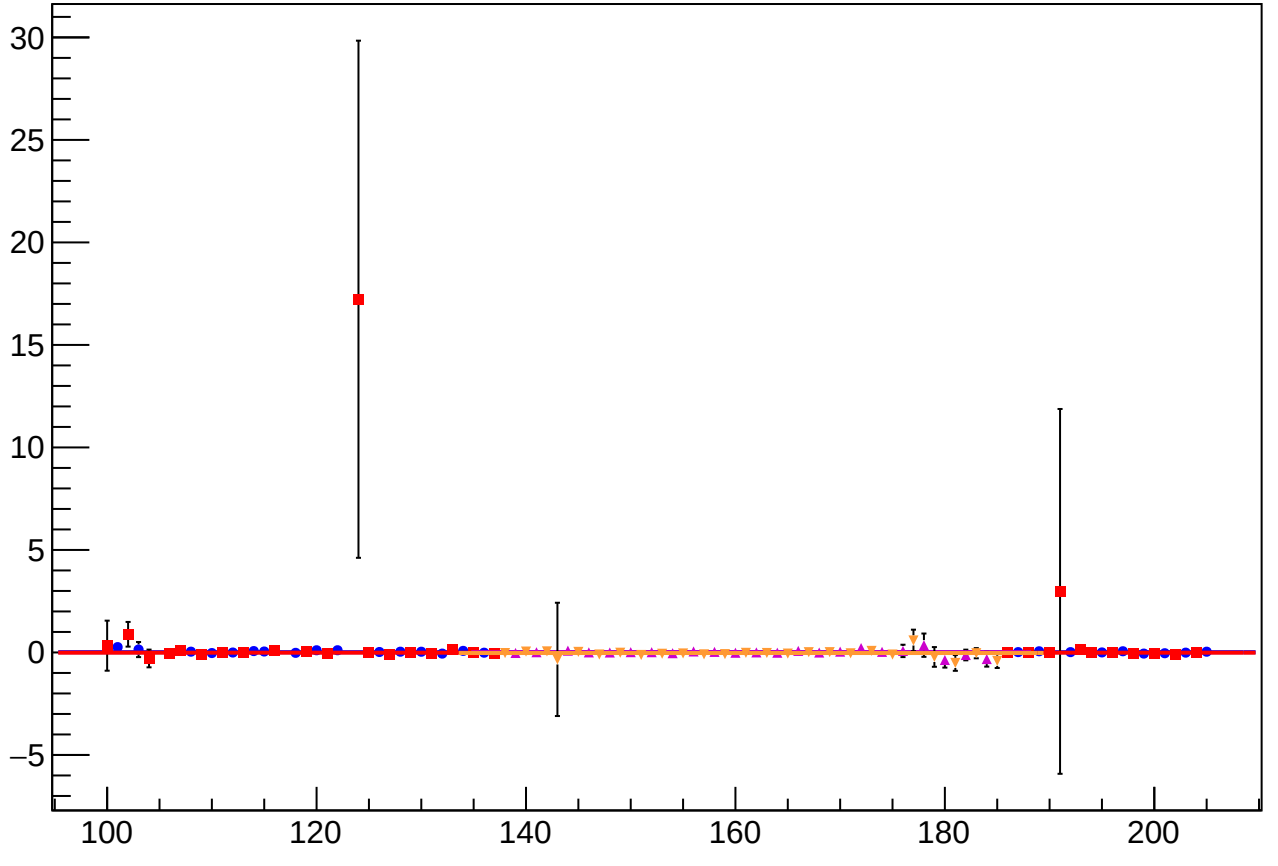
Right: 41.617+/-0.006 χ^2/NDF: 9391292.9/54

In: 36.092+/-0.005 χ^2/NDF:13683041.7/47

Out: 35.644+/-0.005 χ^2/NDF:16819683.6/54

All: 35.865+/-0.004 χ^2/NDF: 30506184.1/102

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: -0.011+/-0.012 χ^2/NDF: 22.4/29

Left In: 0.011+/-0.009 χ^2/NDF:13.2/22

Left: -0.008+/-0.007 χ^2/NDF: 49.6/47

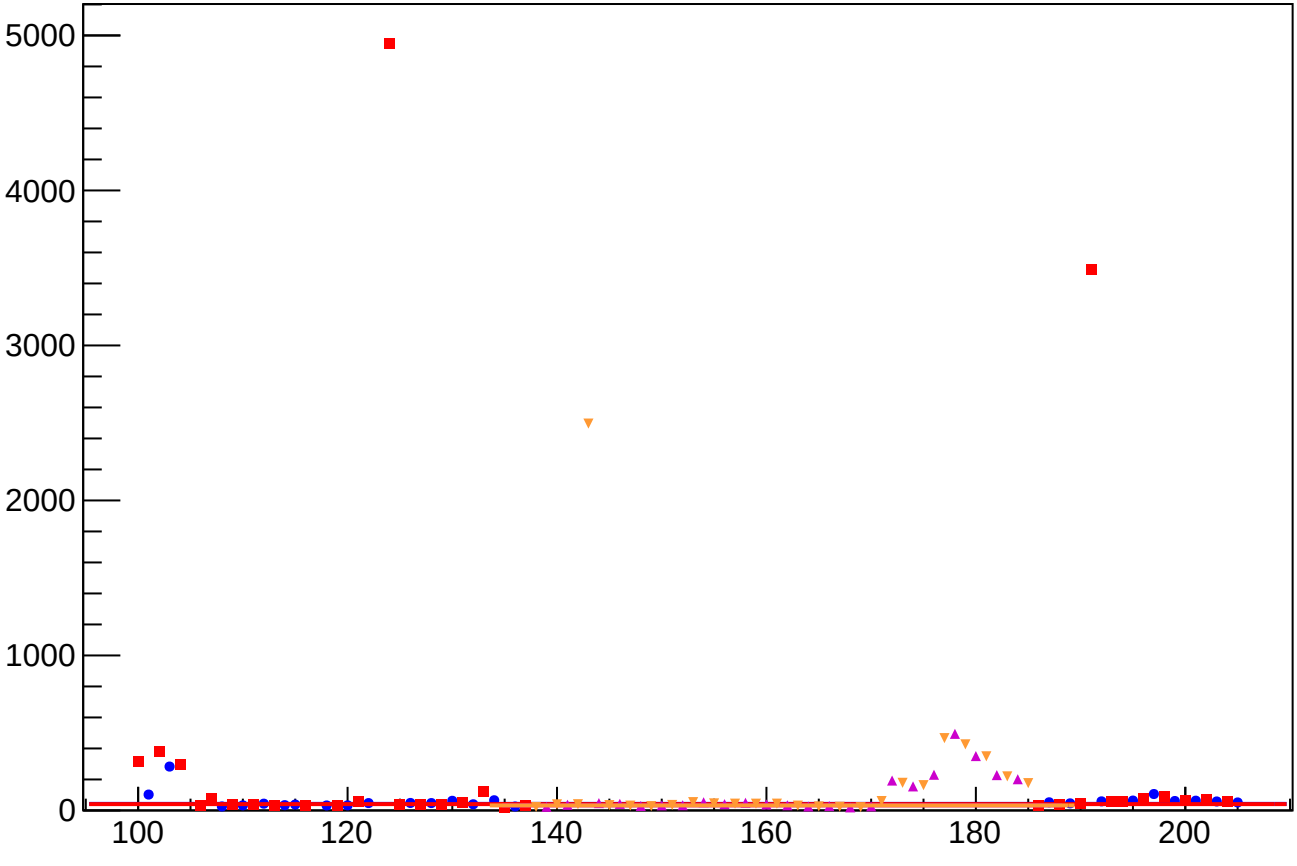
Right: 0.001+/-0.009 χ^2/NDF: 38.1/54

In: 0.012+/-0.008 χ^2/NDF:27.1/47

Out: -0.022+/-0.008 χ^2/NDF:51.7/54

All: -0.005+/-0.005 χ^2/NDF: 88.4/102

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.897+/-0.009 χ^2/NDF: 5377410.1/29

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

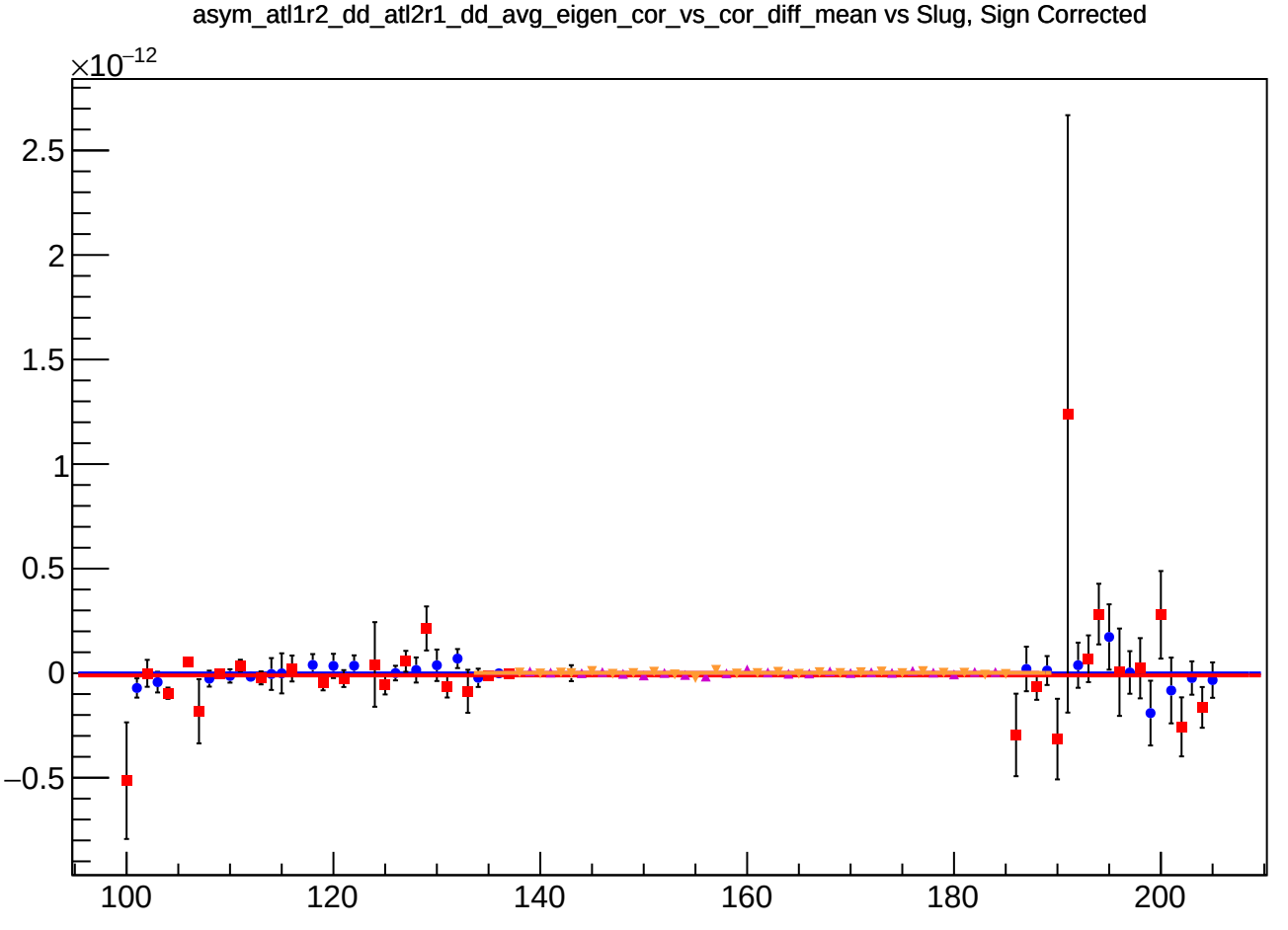
Left: 32.644+/-0.005 χ^2/NDF: 19836272.3/47

Right: 41.617+/-0.006 χ^2/NDF: 9391292.9/54

In: 36.092+/-0.005 χ^2/NDF:13683041.7/47

Out: 35.644+/-0.005 χ^2/NDF:16819683.6/54

All: 35.865+/-0.004 χ^2/NDF: 30506184.1/102



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 57.9/29

Left In: 0.000+/-0.000 χ^2/NDF:28.7/22

Left: 0.000+/-0.000 χ^2/NDF: 46.8/47

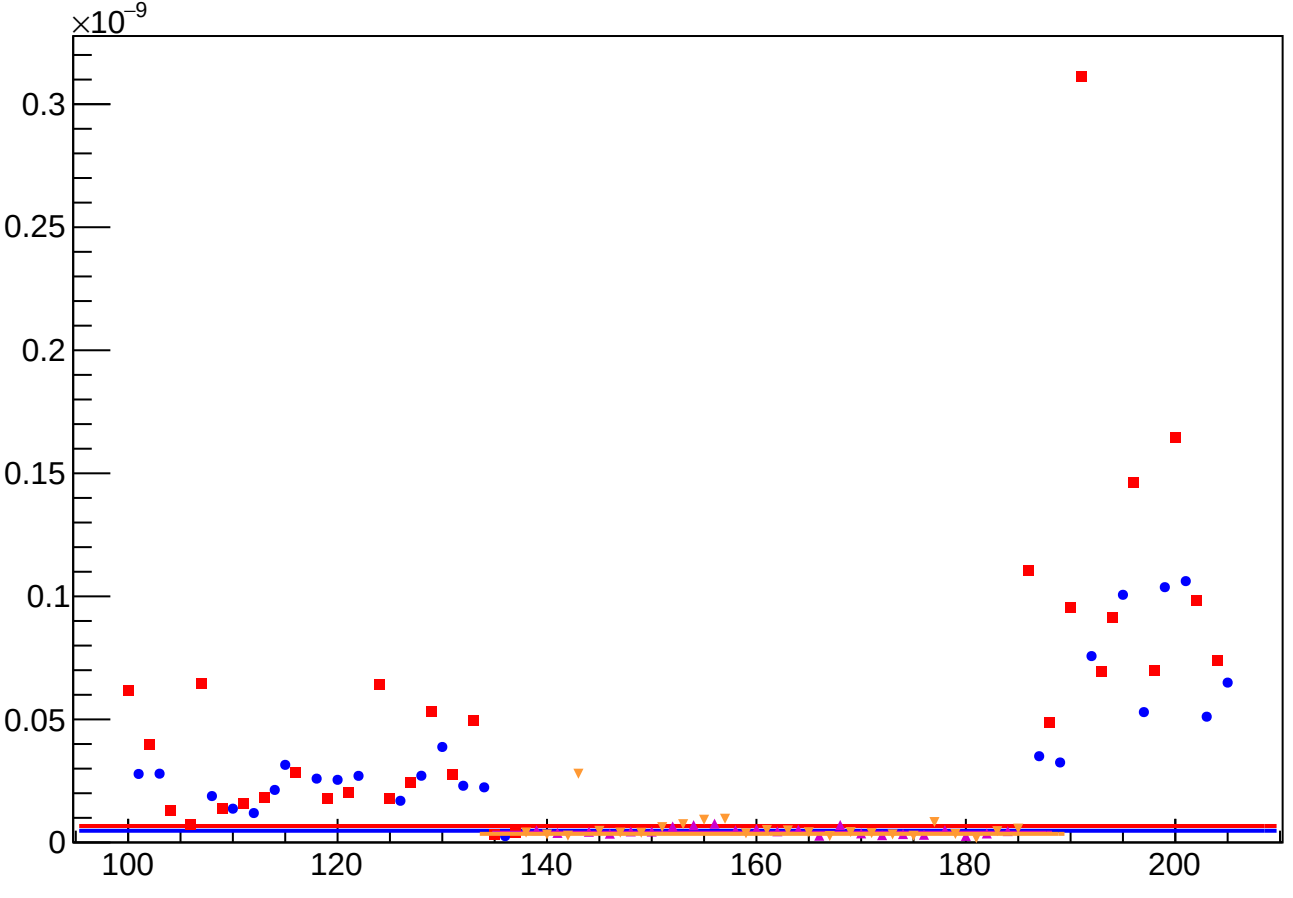
Right: -0.000+/-0.000 χ^2/NDF: 73.1/54

In: 0.000+/-0.000 χ^2/NDF:41.3/47

Out: 0.000+/-0.000 χ^2/NDF:84.2/54

All: 0.000+/-0.000 χ^2/NDF: 125.5/102

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11013269.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12374937.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

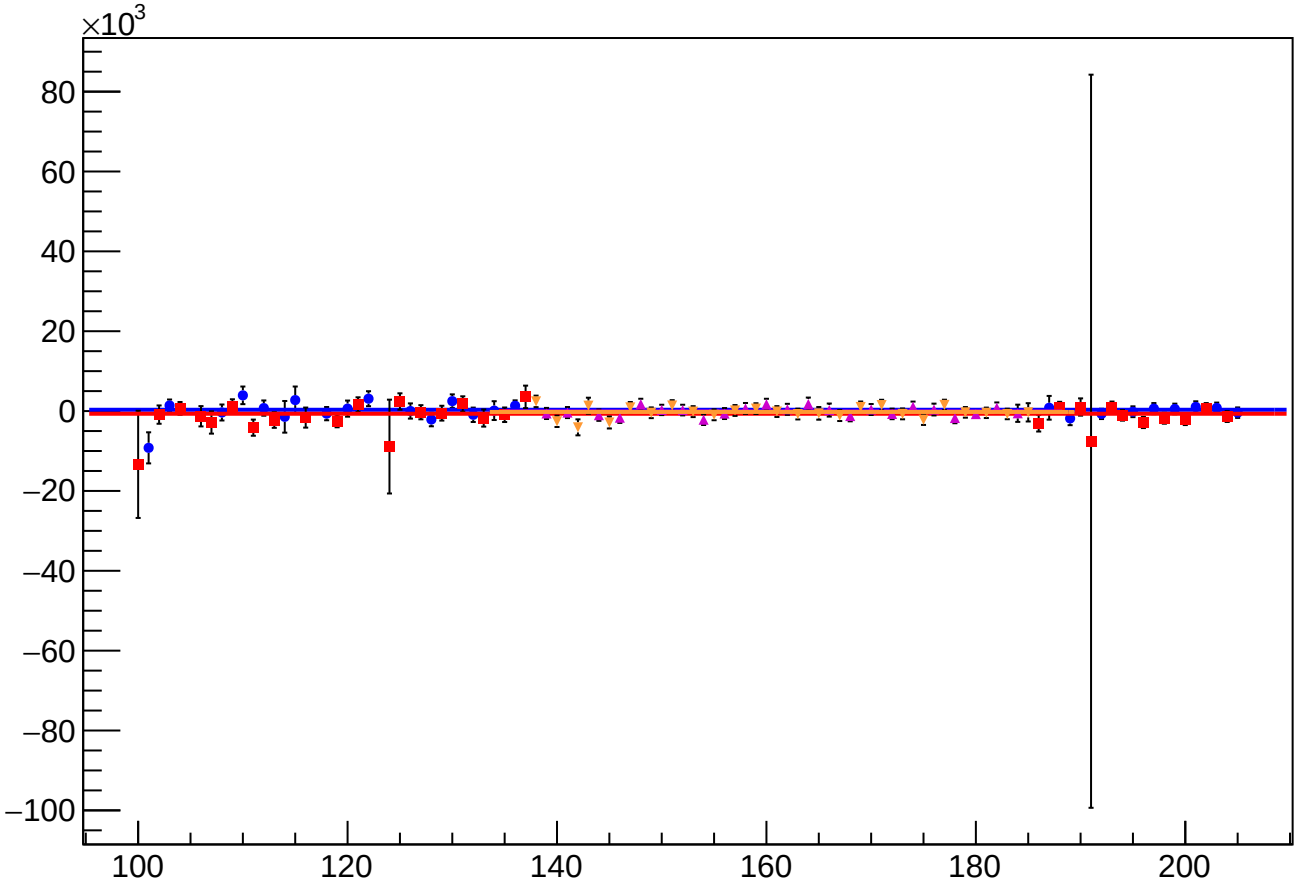
Left: 0.000+/-0.000 χ^2/NDF: 6948707.3/47

Right: 0.000+/-0.000 χ^2/NDF: 23647841.1/54

In: 0.000+/-0.000 χ^2/NDF:13181005.9/47

Out: 0.000+/-0.000 χ^2/NDF:18174531.0/54

All: 0.000+/-0.000 χ^2/NDF: 31475108.9/102



Right In: 328.549+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: -671.748+/-331.777 χ^2/NDF: 27.3/29

Left In: -92.402+/-288.217 χ^2/NDF:14.7/22

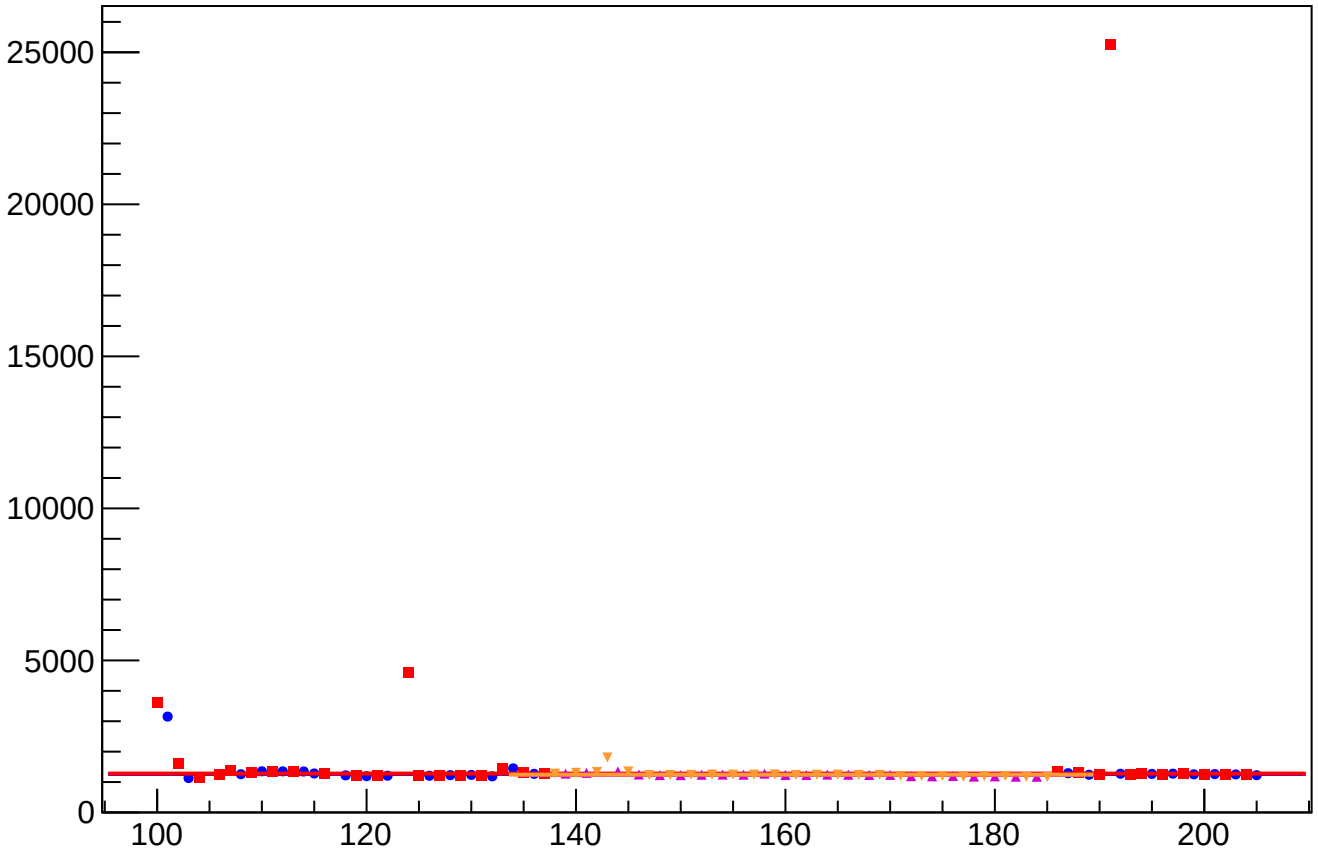
Left: -157.721+/-201.950 χ^2/NDF: 38.7/47

Right: -184.242+/-237.549 χ^2/NDF: 52.3/54

In: 83.445+/-219.927 χ^2/NDF:36.1/47

Out: -410.716+/-215.336 χ^2/NDF:52.3/54

All: -168.847+/-153.863 χ^2/NDF: 91.0/102



Right In: 1265.152+/-0.241 χ^2/NDF: 522750.2/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1277.696+/-0.235 χ^2/NDF: 470699.2/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

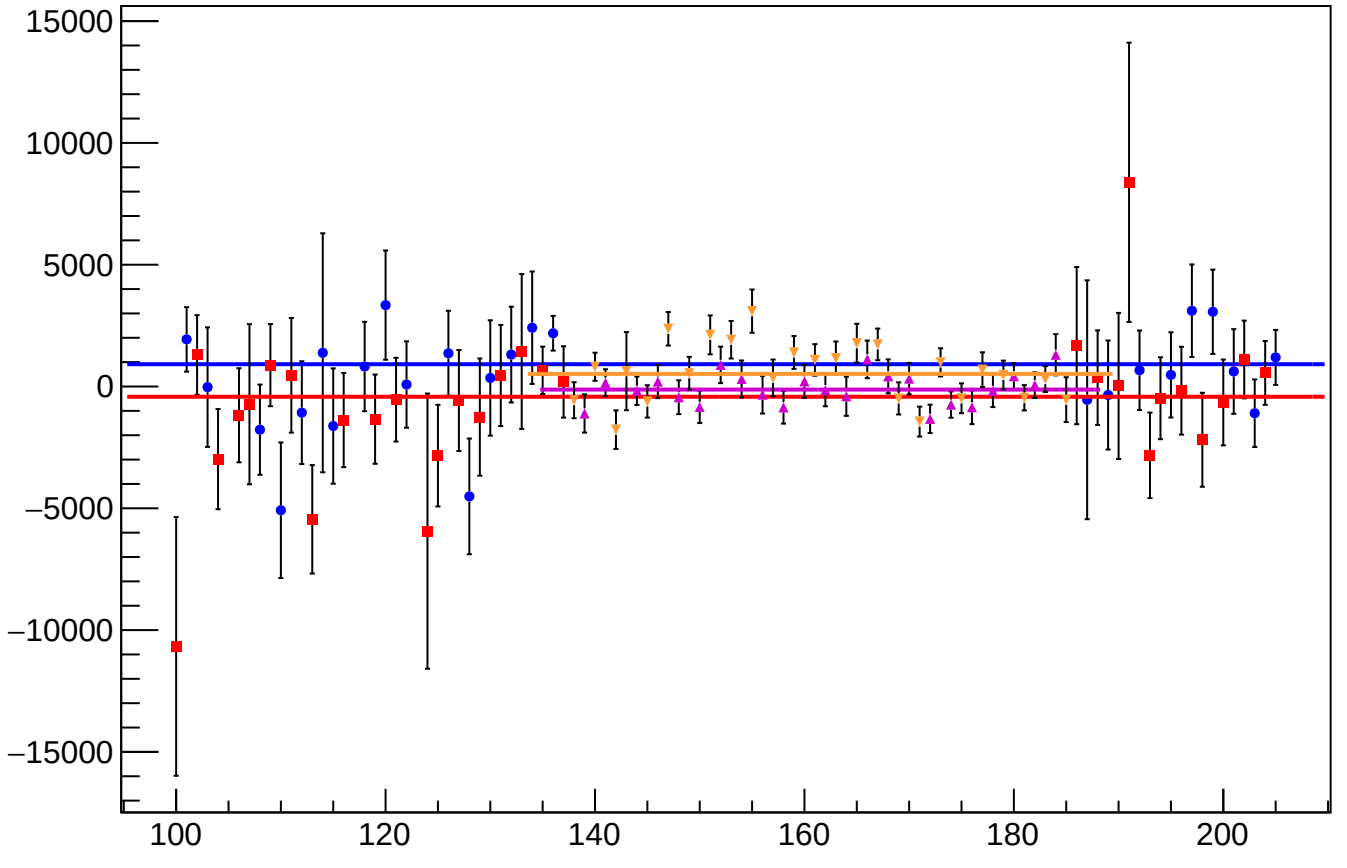
Left: 1238.371+/-0.143 χ^2/NDF: 243589.7/47

Right: 1271.582+/-0.168 χ^2/NDF: 994842.7/54

In: 1246.869+/-0.156 χ^2/NDF:571948.2/47

Out: 1257.514+/-0.152 χ^2/NDF:686785.0/54

All: 1252.304+/-0.109 χ^2/NDF: 1261125.4/10



Right In: 915.116+/-338.927 χ^2/NDF: 25.5/24

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: -420.300+/-348.719 χ^2/NDF: 24.4/29

Left In: -126.569+/-137.266 χ^2/NDF:21.6/22

Left: 198.694+/-96.520 χ^2/NDF: 99.7/47

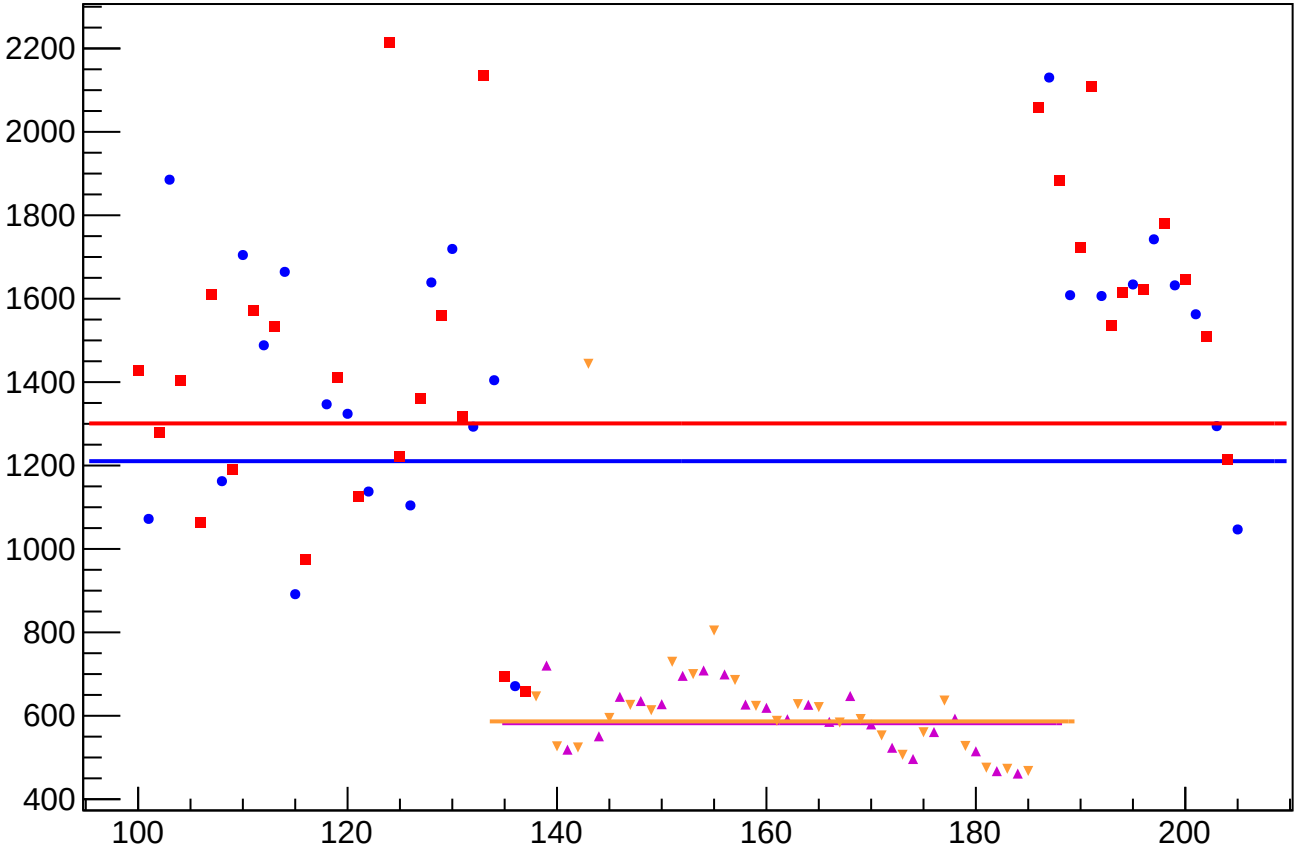
Right: 266.421+/-243.046 χ^2/NDF: 57.5/54

In: 20.218+/-127.228 χ^2/NDF:55.1/47

Out: 393.479+/-126.500 χ^2/NDF:97.7/54

All: 207.920+/-89.705 χ^2/NDF: 157.2/102

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1210.477+/-0.240 χ^2/NDF: 2448024.7/24

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1300.966+/-0.247 χ^2/NDF: 2359618.3/29

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

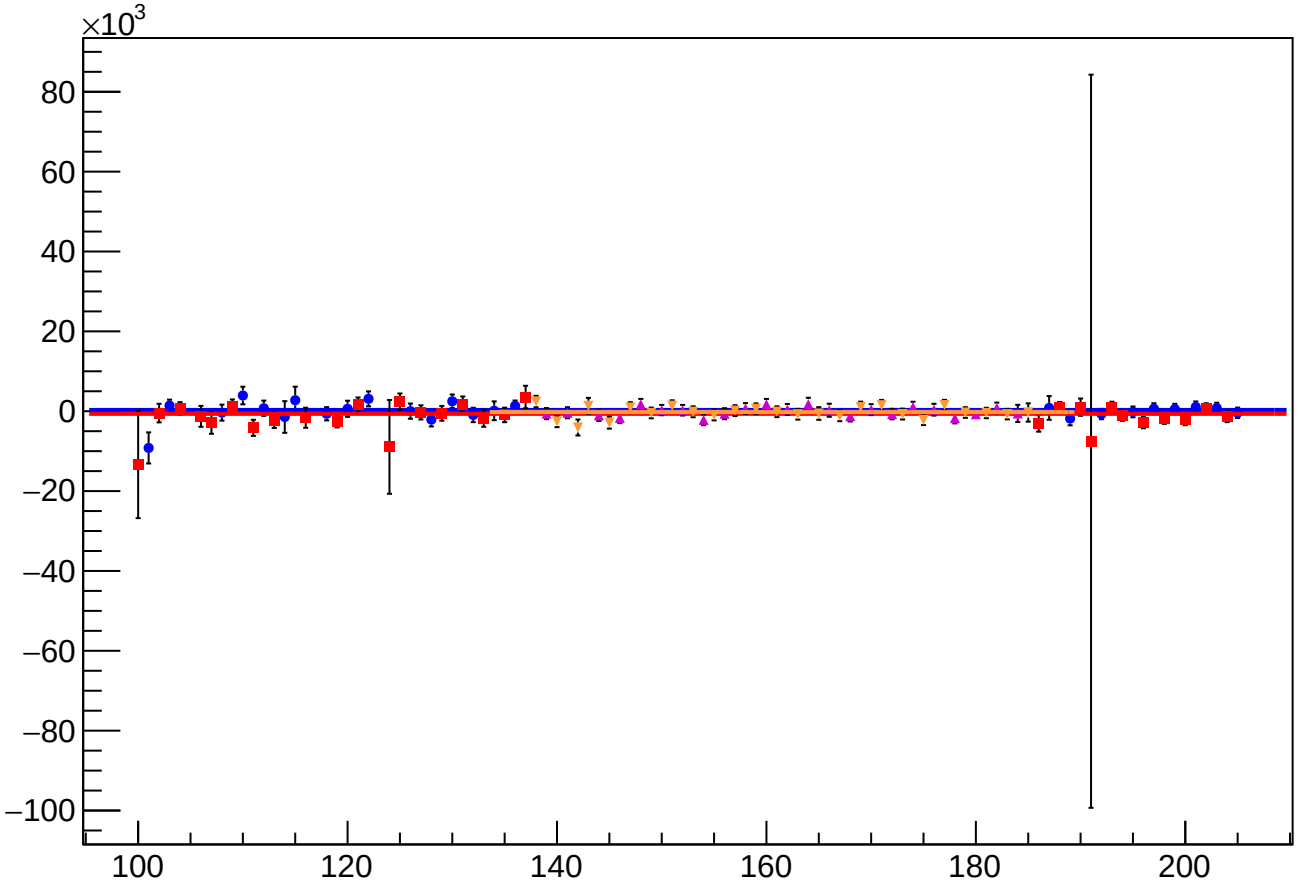
Left: 584.398+/-0.068 χ^2/NDF: 1763200.3/47

Right: 1254.433+/-0.172 χ^2/NDF: 4876895.3/54

In: 670.724+/-0.090 χ^2/NDF:8911614.0/47

Out: 680.567+/-0.089 χ^2/NDF:10851997.7/54

All: 675.674+/-0.063 χ^2/NDF: 19769631.2/10



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

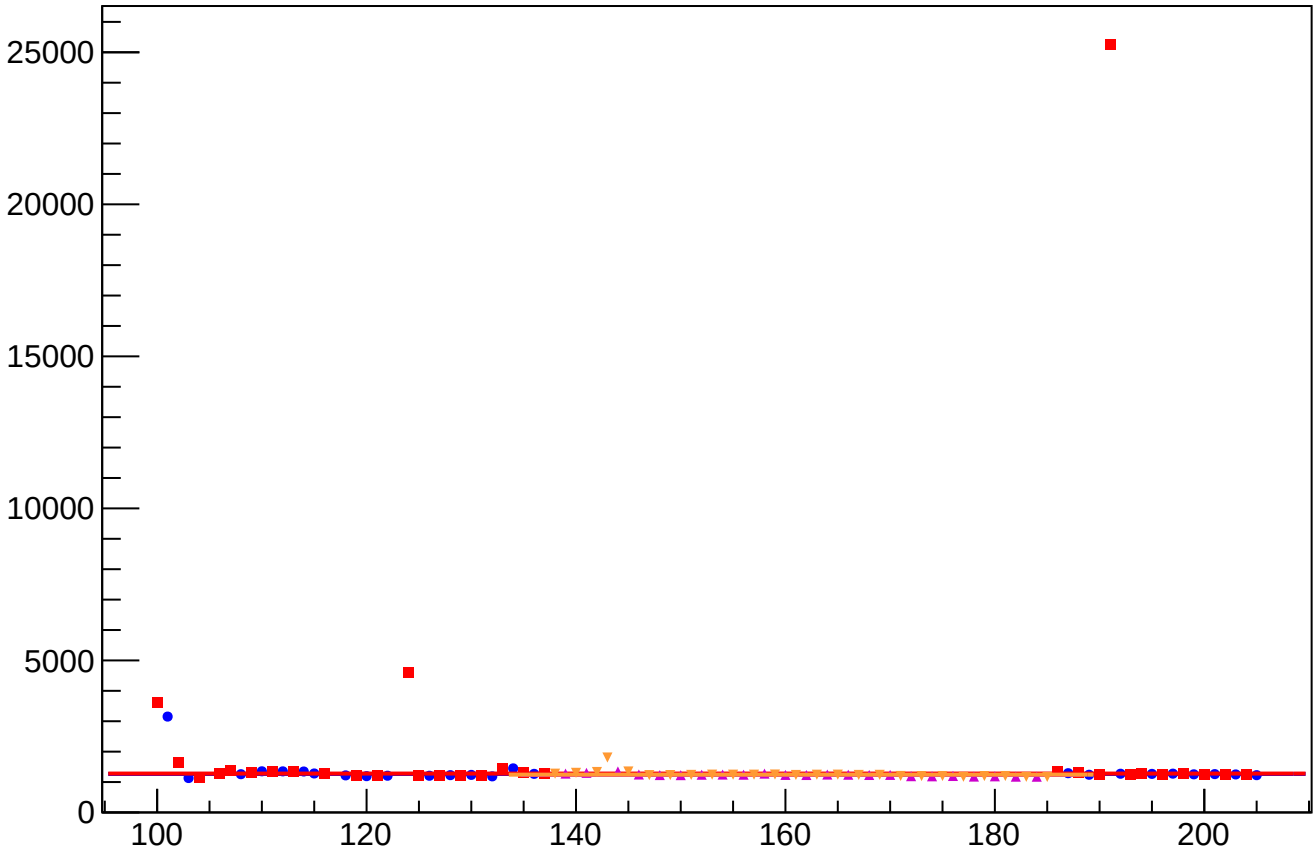
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -178.861+/-237.647 χ^2/NDF: 52.2/54

In: 83.496+/-219.927 χ^2/NDF:36.1/47

Out: -406.557+/-215.409 χ^2/NDF:52.3/54

All: -166.616+/-153.890 χ^2/NDF: 90.9/102



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

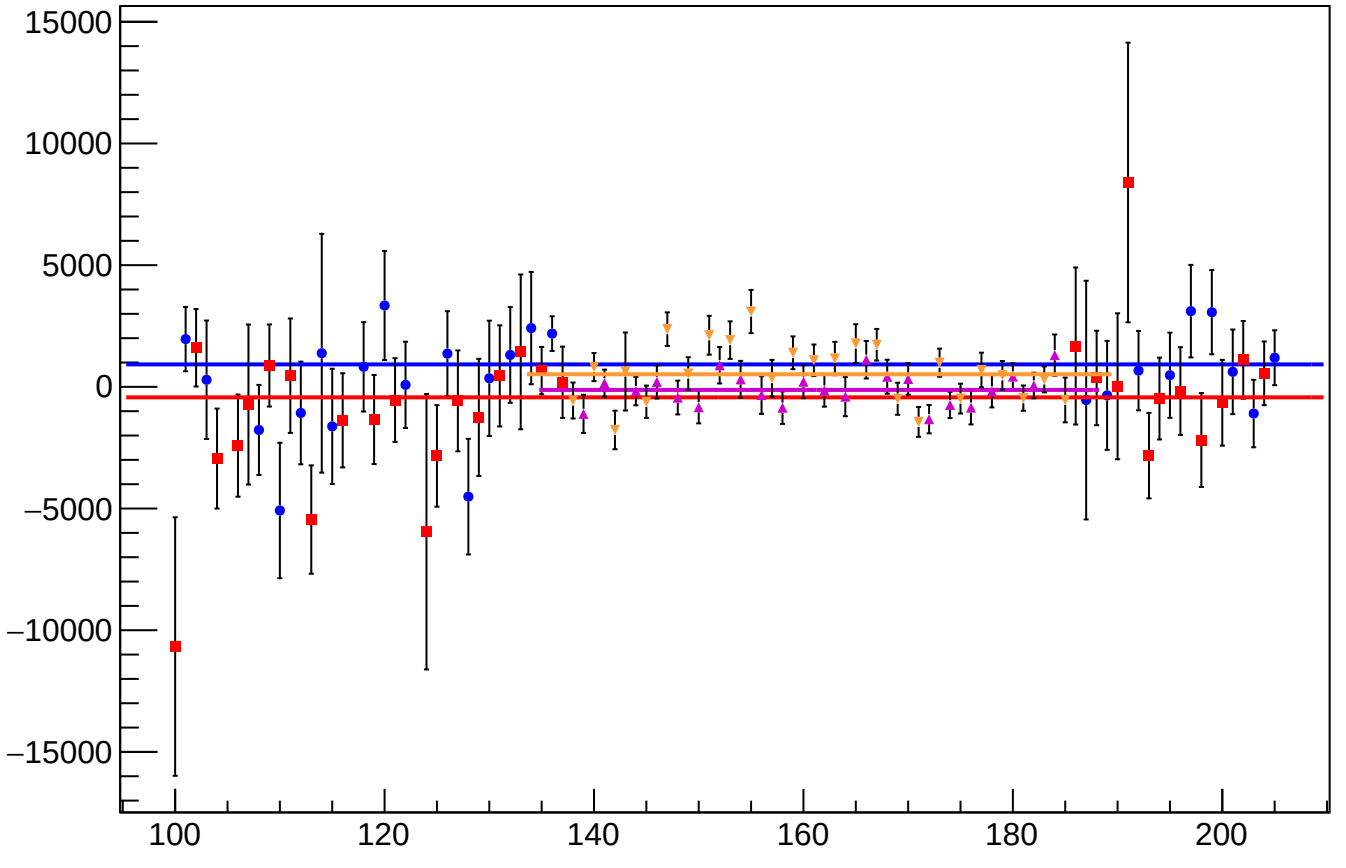
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1272.132+/-0.168 χ^2/NDF: 1001957.7/54

In: 1246.869+/-0.156 χ^2/NDF:571949.5/47

Out: 1257.956+/-0.152 χ^2/NDF:694442.2/54

All: 1252.528+/-0.109 χ^2/NDF: 1268985.7/10



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

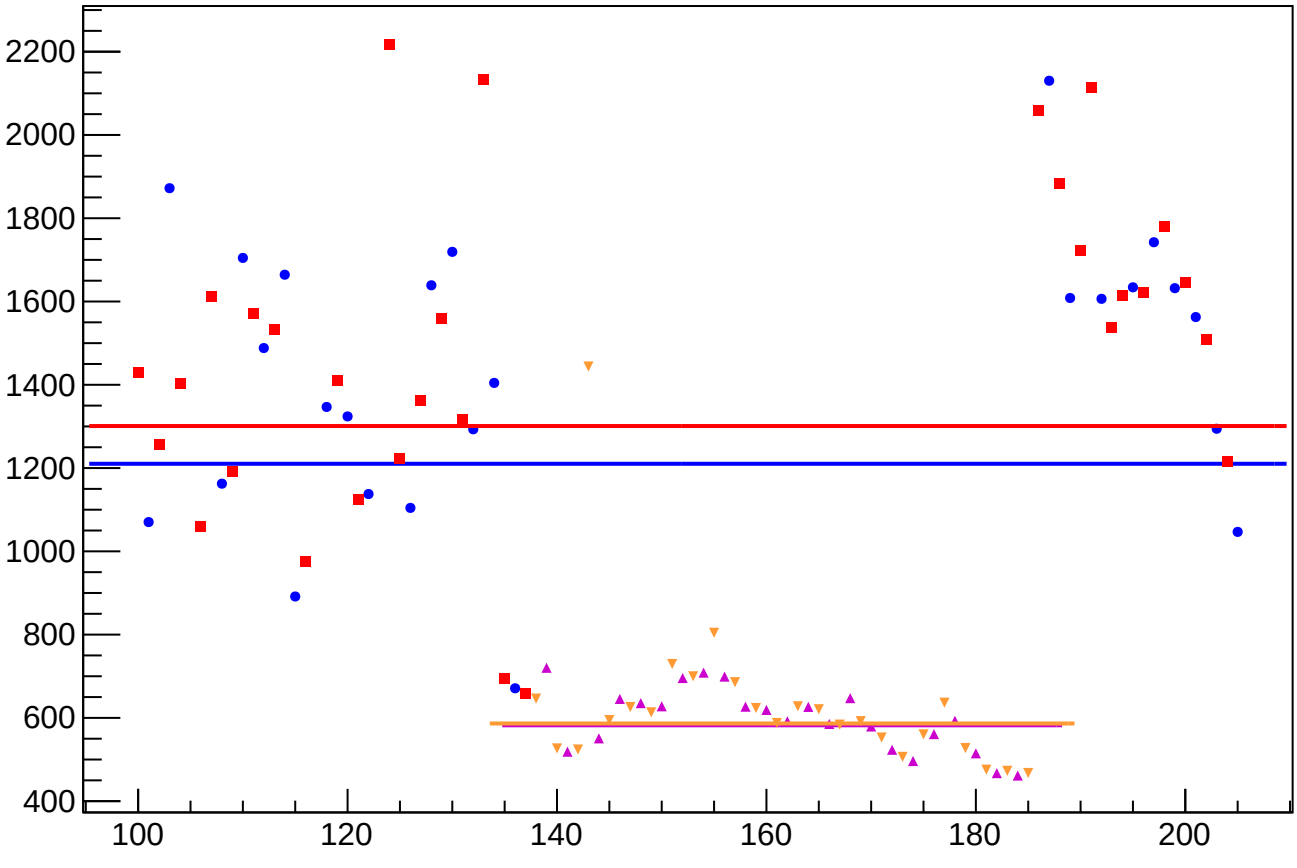
Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

Right: 266.303+/-243.157 χ^2/NDF: 58.8/54

In: 21.411+/-127.223 χ^2/NDF:55.2/47

Out: 392.358+/-126.521 χ^2/NDF:99.1/54

All: 207.911+/-89.711 χ^2/NDF: 158.6/102



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

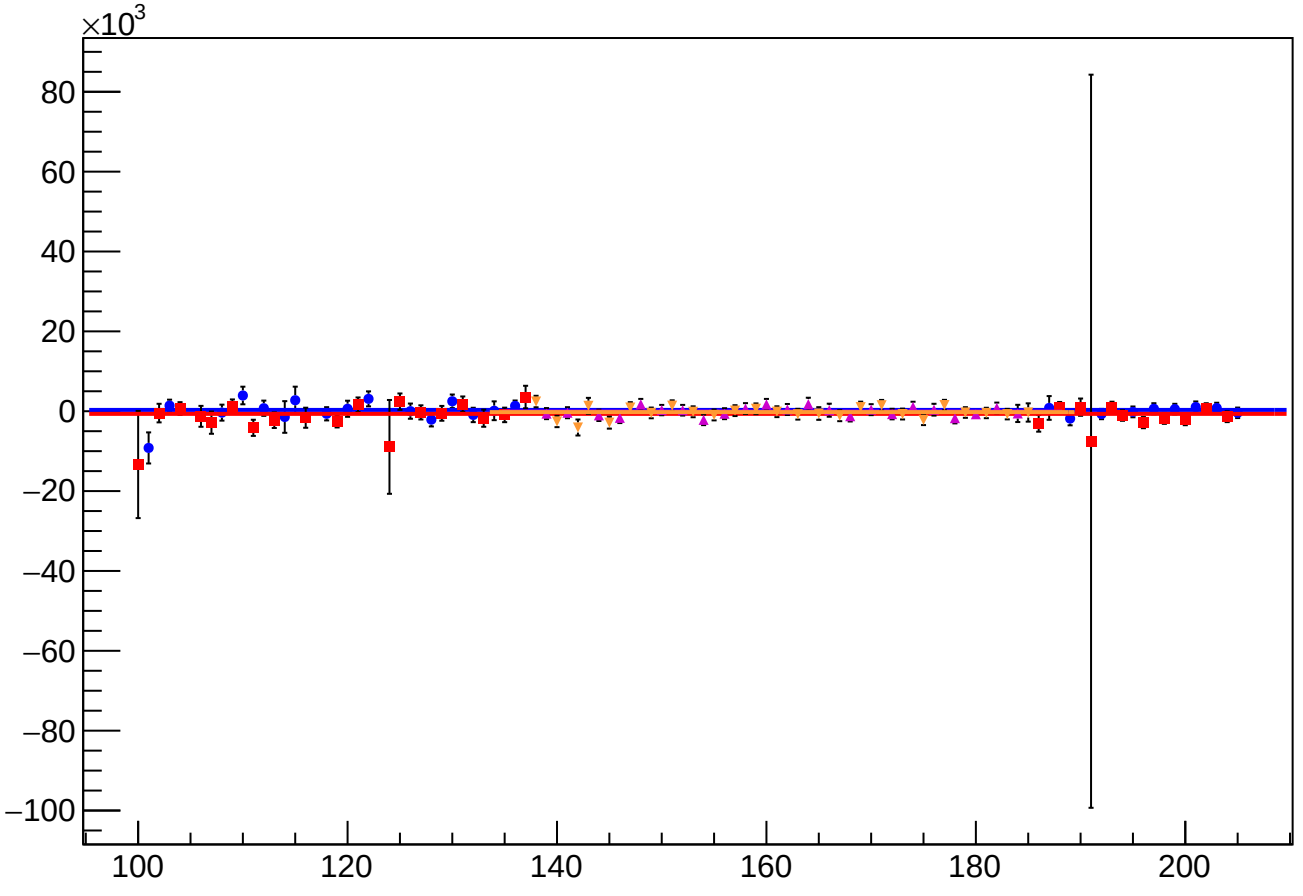
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1254.245+/-0.172 χ^2/NDF: 4871873.8/54

In: 670.736+/-0.090 χ^2/NDF:8907965.6/47

Out: 680.366+/-0.089 χ^2/NDF:10832978.3/54

All: 675.578+/-0.063 χ^2/NDF: 19746705.9/10



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: -662.242+/-332.046 χ^2/NDF: 27.3/29

Left In: -92.472+/-288.217 χ^2/NDF:14.7/22

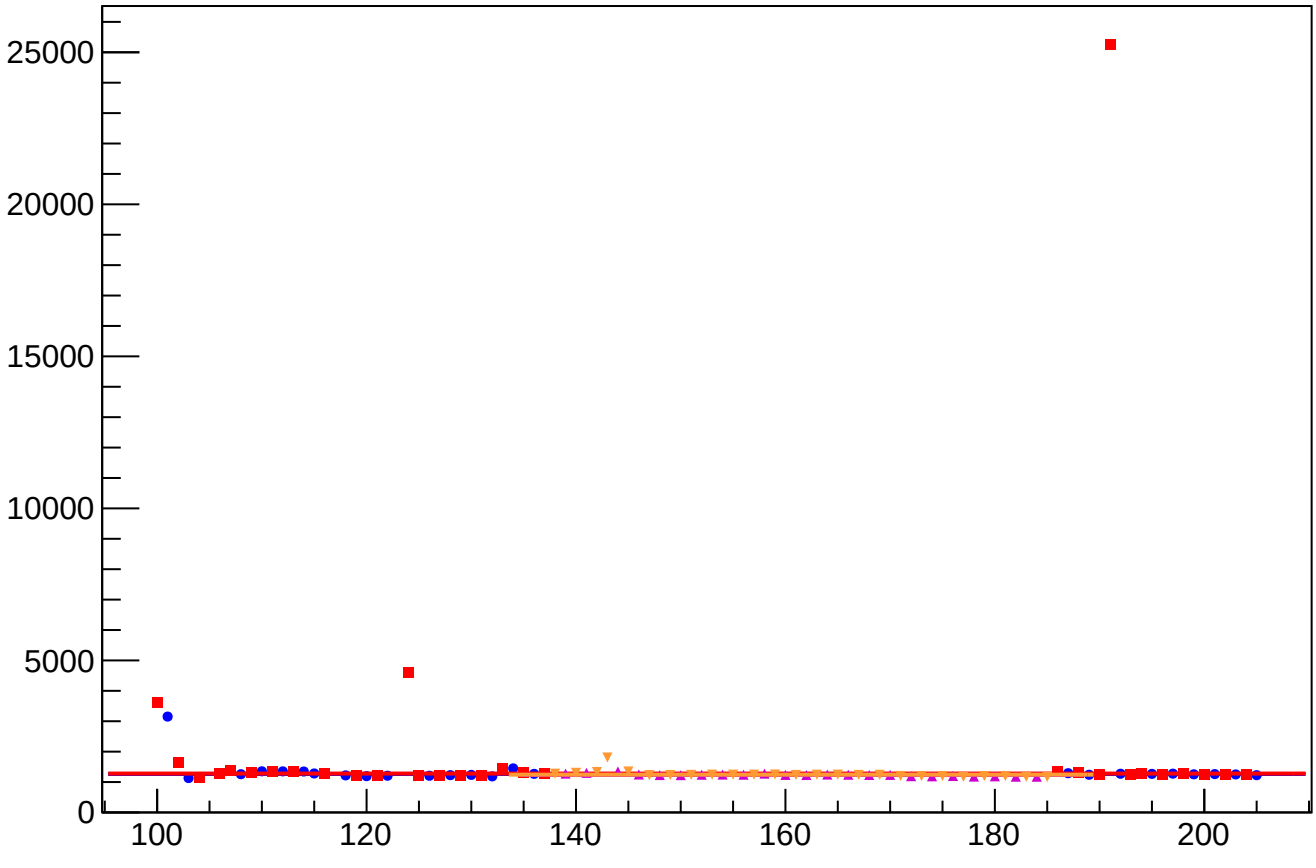
Left: -157.773+/-201.950 χ^2/NDF: 38.7/47

Right: -178.861+/-237.647 χ^2/NDF: 52.2/54

In: 83.496+/-219.927 χ^2/NDF:36.1/47

Out: -406.557+/-215.409 χ^2/NDF:52.3/54

All: -166.616+/-153.890 χ^2/NDF: 90.9/102



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

Right Out: 1278.778+/-0.235 χ^2/NDF: 477563.4/29

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

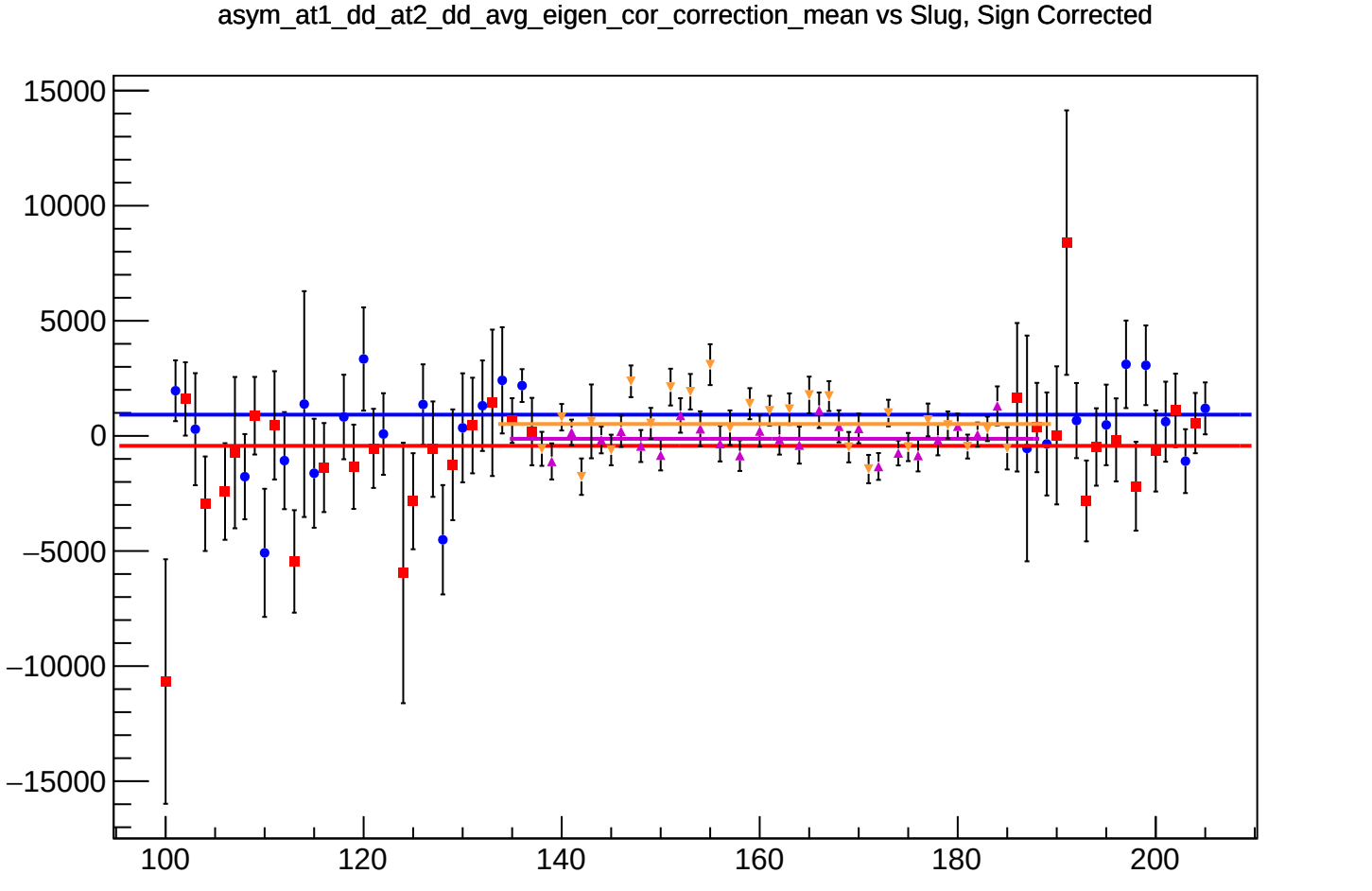
Left: 1238.371+/-0.143 χ^2/NDF: 243589.6/47

Right: 1272.132+/-0.168 χ^2/NDF: 1001957.7/54

In: 1246.869+/-0.156 χ^2/NDF:571949.5/47

Out: 1257.956+/-0.152 χ^2/NDF:694442.2/54

All: 1252.528+/-0.109 χ^2/NDF: 1268985.7/10



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: -430.945+/-349.146 χ^2/NDF: 25.7/29

Left In: -126.549+/-137.266 χ^2/NDF:21.6/22

Left: 198.710+/-96.520 χ^2/NDF: 99.7/47

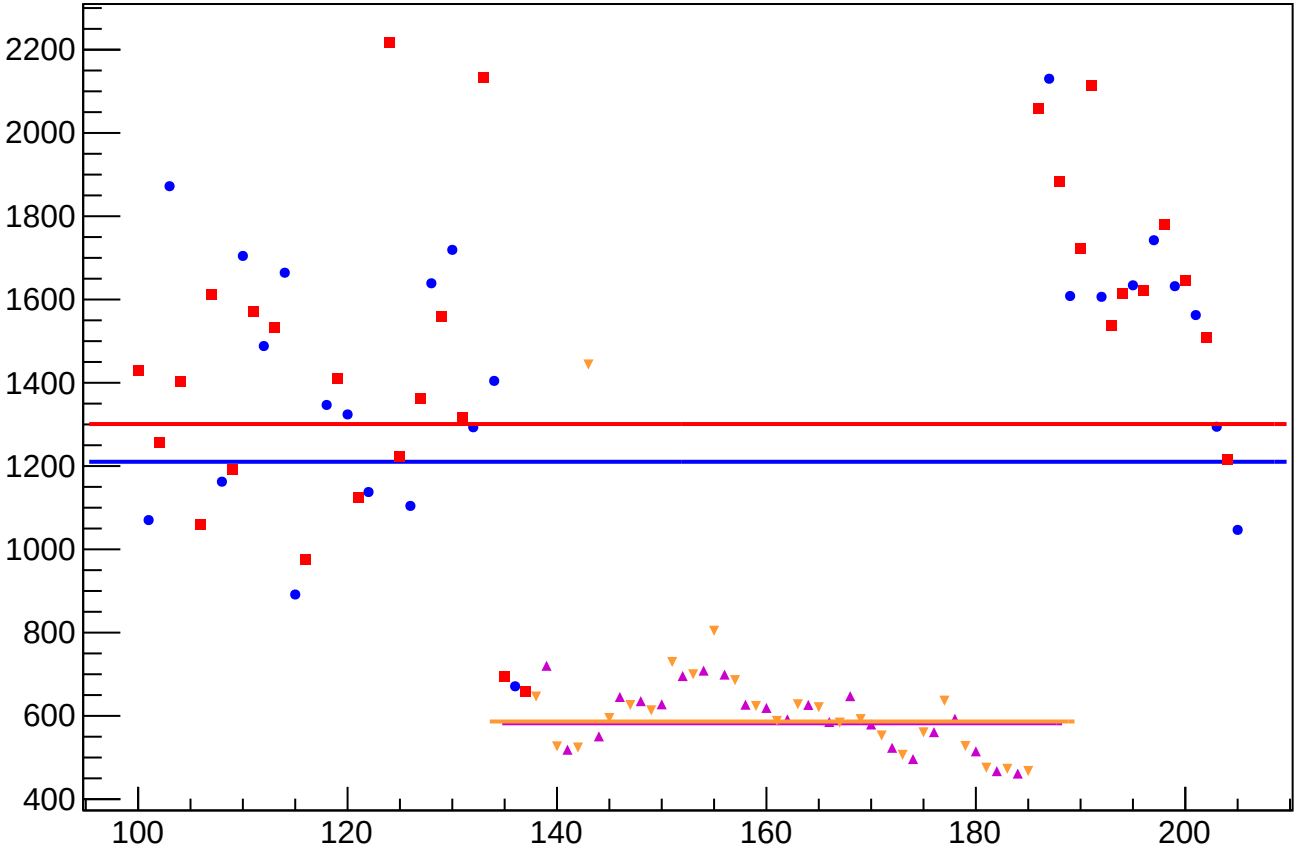
Right: 266.303+/-243.157 χ^2/NDF: 58.8/54

In: 21.411+/-127.223 χ^2/NDF:55.2/47

Out: 392.358+/-126.521 χ^2/NDF:99.1/54

All: 207.911+/-89.711 χ^2/NDF: 158.6/102

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1300.918+/-0.247 χ^2/NDF: 2357253.6/29

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

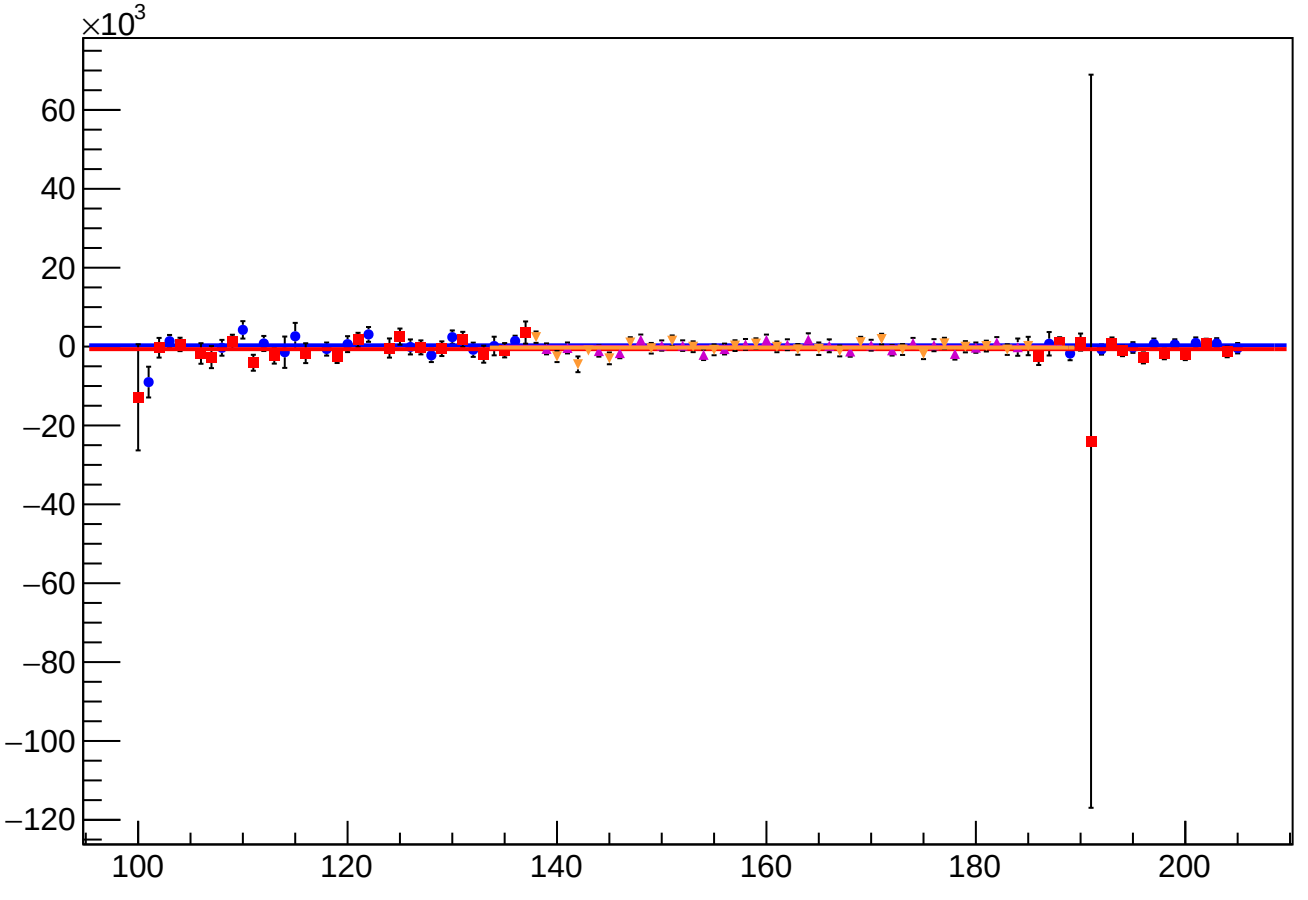
Left: 584.400+/-0.068 χ^2/NDF: 1763106.4/47

Right: 1254.245+/-0.172 χ^2/NDF: 4871873.8/54

In: 670.736+/-0.090 χ^2/NDF:8907965.6/47

Out: 680.366+/-0.089 χ^2/NDF:10832978.3/54

All: 675.578+/-0.063 χ^2/NDF: 19746705.9/10



Right In: 315.623+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: -652.324+/-330.942 χ^2/NDF: 26.8/29

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

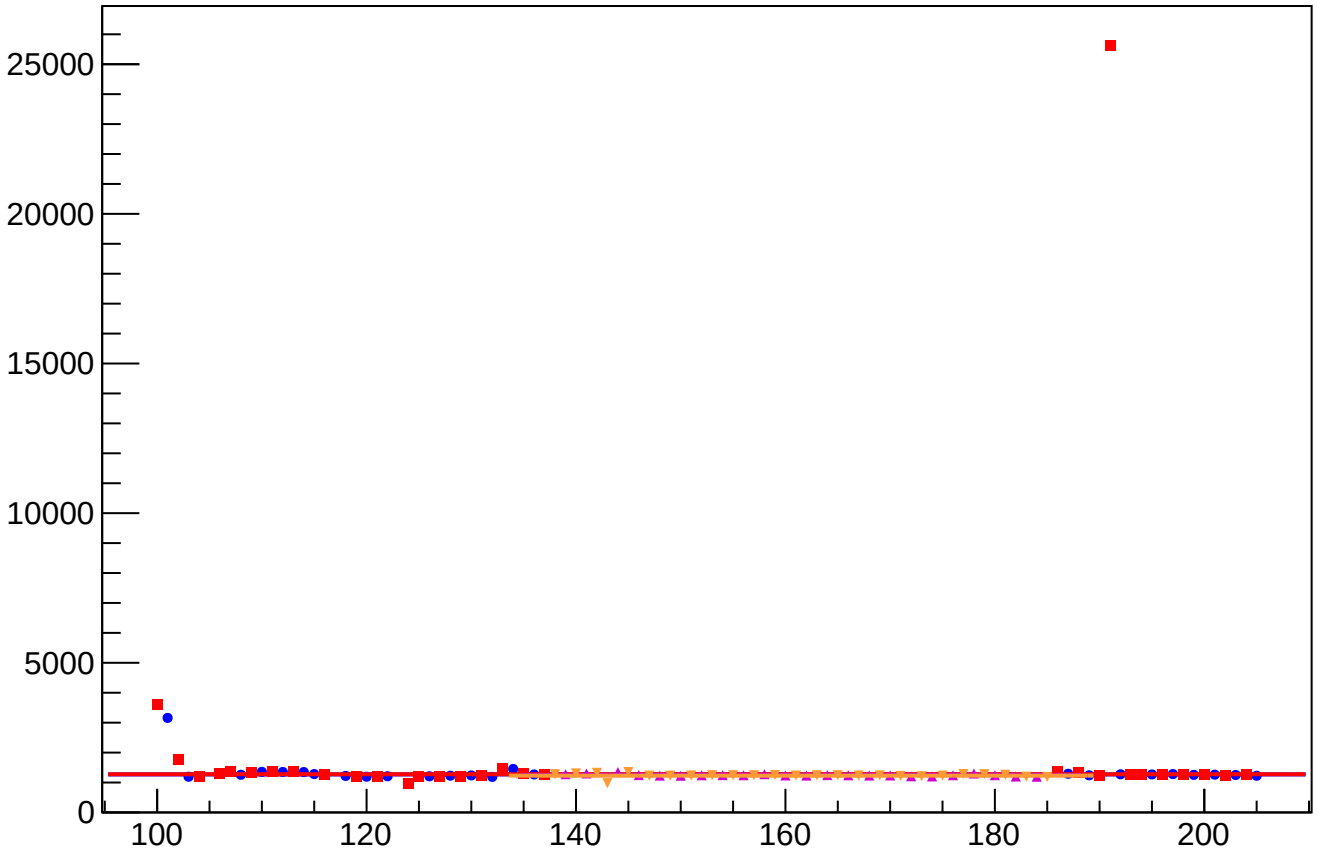
Left: -166.416+/-201.890 χ^2/NDF: 38.2/47

Right: -183.672+/-237.686 χ^2/NDF: 51.4/54

In: 89.639+/-221.718 χ^2/NDF:35.2/47

Out: -418.288+/-213.723 χ^2/NDF:51.7/54

All: -173.648+/-153.874 χ^2/NDF: 89.6/102



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.0/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

Right Out: 1276.606+/-0.234 χ^2/NDF: 370183.0/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

Left: 1238.526+/-0.143 χ^2/NDF: 172828.2/47

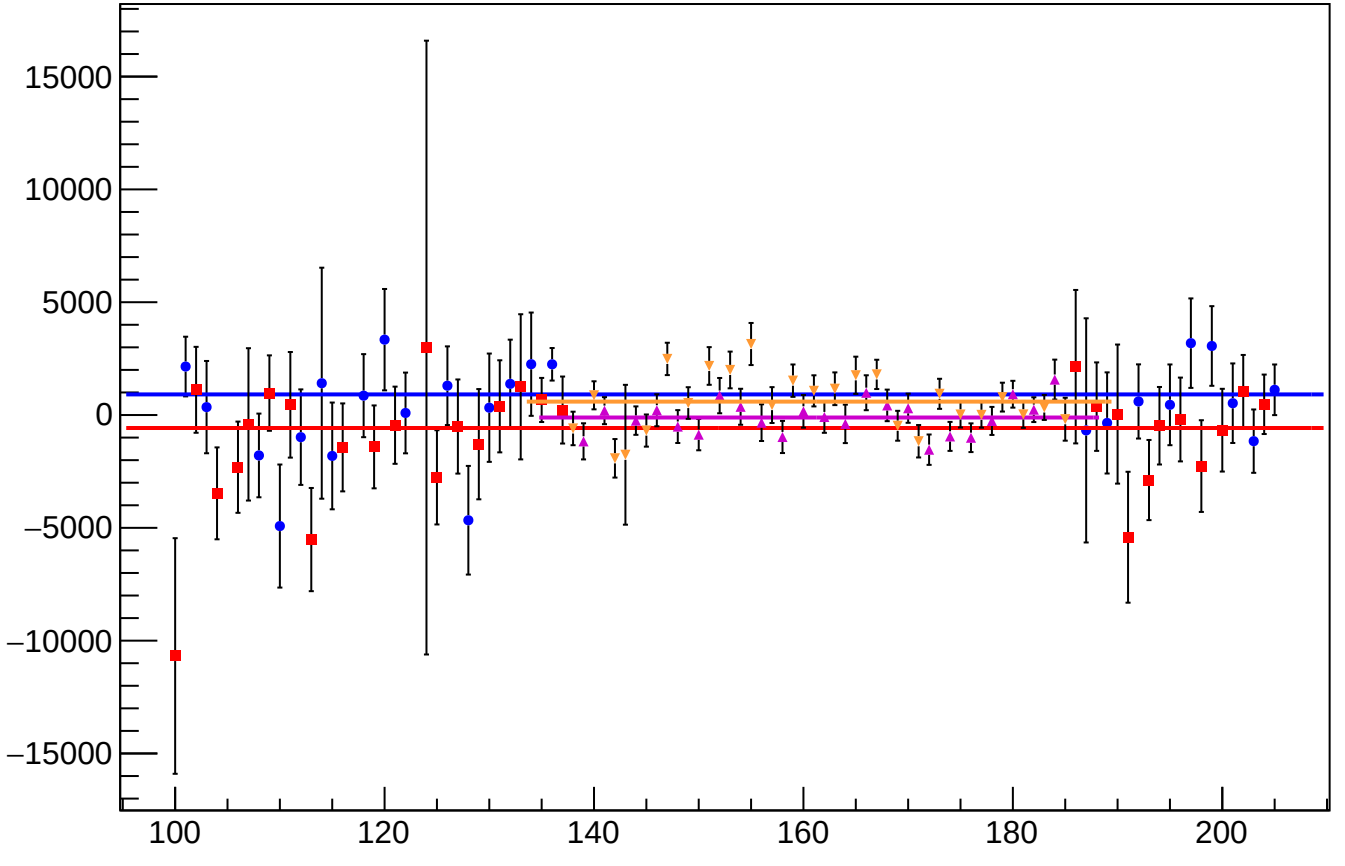
Right: 1273.540+/-0.168 χ^2/NDF: 882373.4/54

In: 1257.260+/-0.157 χ^2/NDF:544193.5/47

Out: 1249.429+/-0.151 χ^2/NDF:534926.6/54

All: 1253.201+/-0.109 χ^2/NDF: 1080413.2/10

asym_at1_dd_at2_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: 913.813+/-339.981 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -574.936+/-353.530 χ^2/NDF: 24.9/29

Left In: -110.252+/-144.232 χ^2/NDF:25.7/22

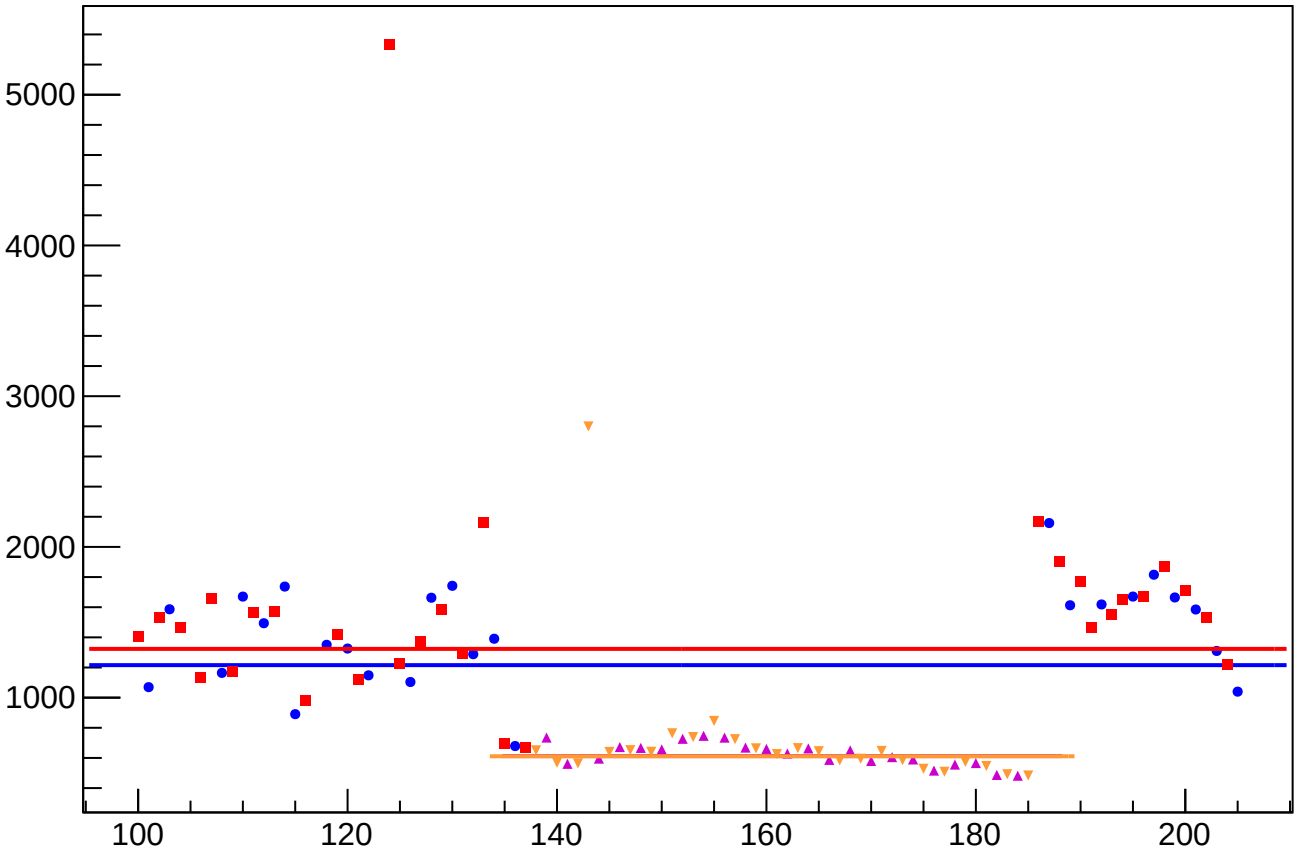
Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

Right: 198.513+/-245.053 χ^2/NDF: 60.1/54

In: 45.944+/-132.778 χ^2/NDF:59.4/47

Out: 432.214+/-131.872 χ^2/NDF:91.6/54

All: 240.401+/-93.566 χ^2/NDF: 155.3/102



Right In: 1215.679+/-0.240 χ^2/NDF: 2396296.4/24

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1323.525+/-0.250 χ^2/NDF: 2574408.4/29

Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

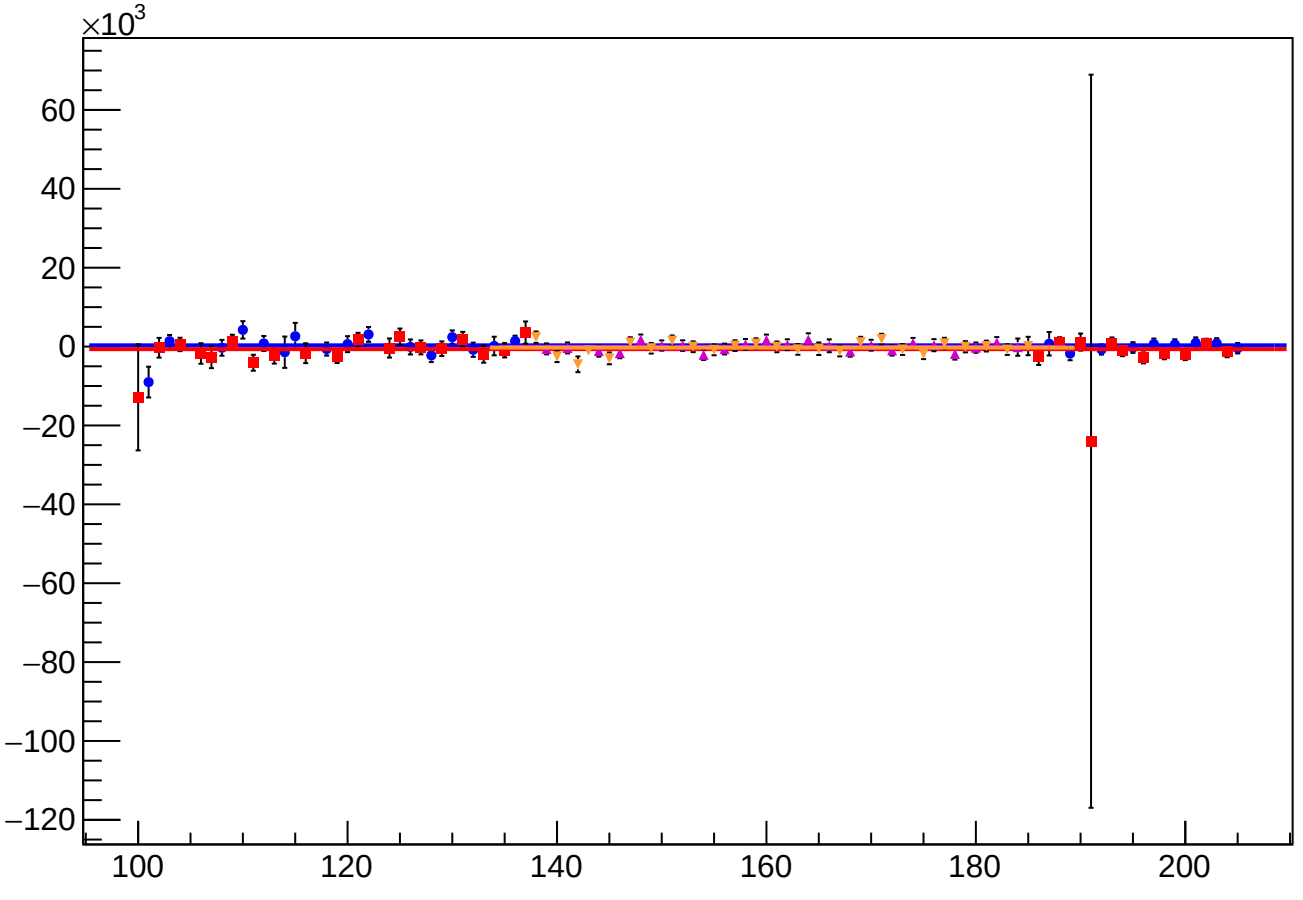
Left: 611.733+/-0.072 χ^2/NDF: 2128001.7/47

Right: 1267.496+/-0.173 χ^2/NDF: 5067397.1/54

In: 704.415+/-0.094 χ^2/NDF:8241756.0/47

Out: 710.216+/-0.093 χ^2/NDF:11185772.0/54

All: 707.335+/-0.066 χ^2/NDF: 19429449.9/10



Right In: 315.624+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: -652.325+/-330.942 χ^2/NDF: 26.8/29

Left In: -74.881+/-291.458 χ^2/NDF:14.0/22

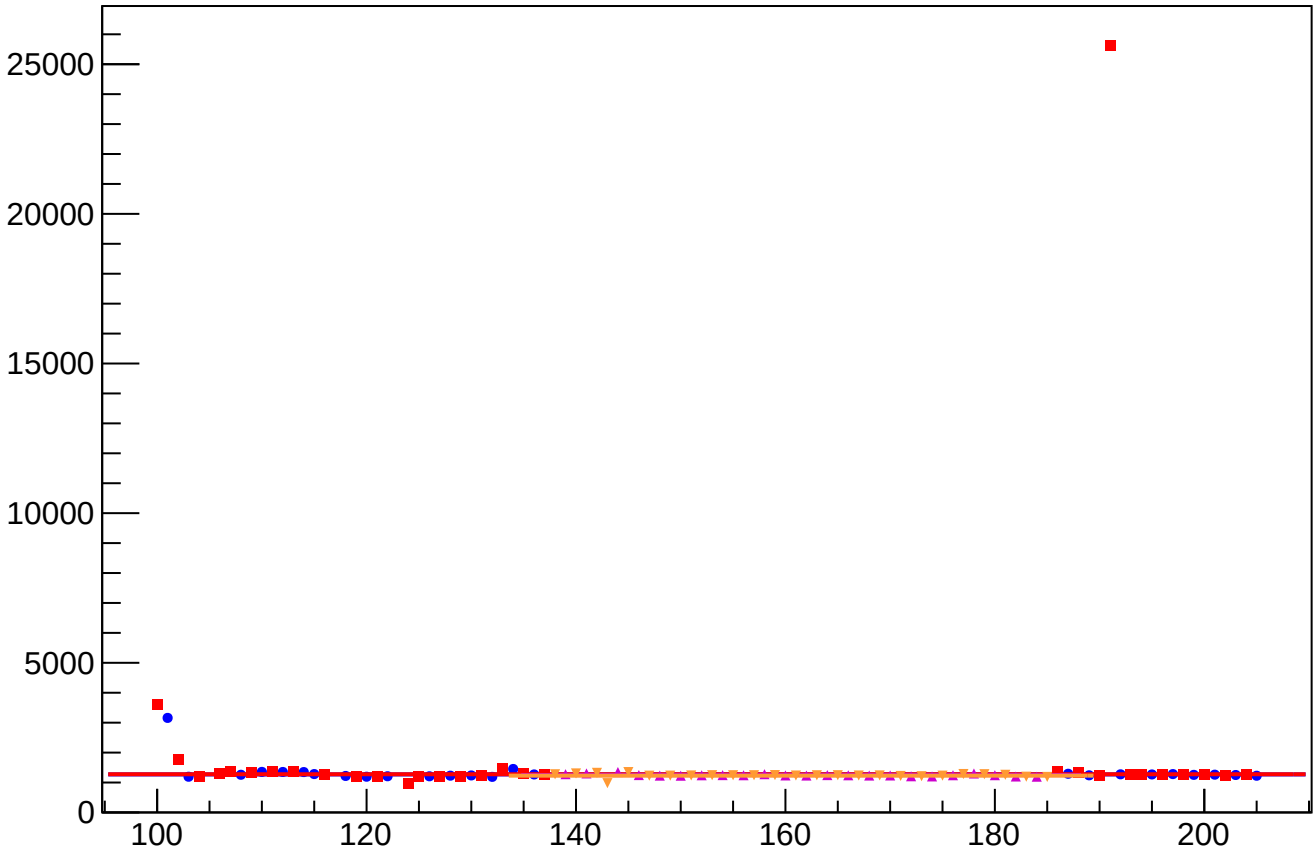
Left: -166.417+/-201.890 χ^2/NDF: 38.2/47

Right: -183.671+/-237.686 χ^2/NDF: 51.4/54

In: 89.640+/-221.718 χ^2/NDF:35.2/47

Out: -418.289+/-213.723 χ^2/NDF:51.7/54

All: -173.648+/-153.874 χ^2/NDF: 89.6/102



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.1/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

Right Out: 1276.606+/-0.234 χ^2/NDF: 370182.9/29

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

Left: 1238.526+/-0.143 χ^2/NDF: 172827.1/47

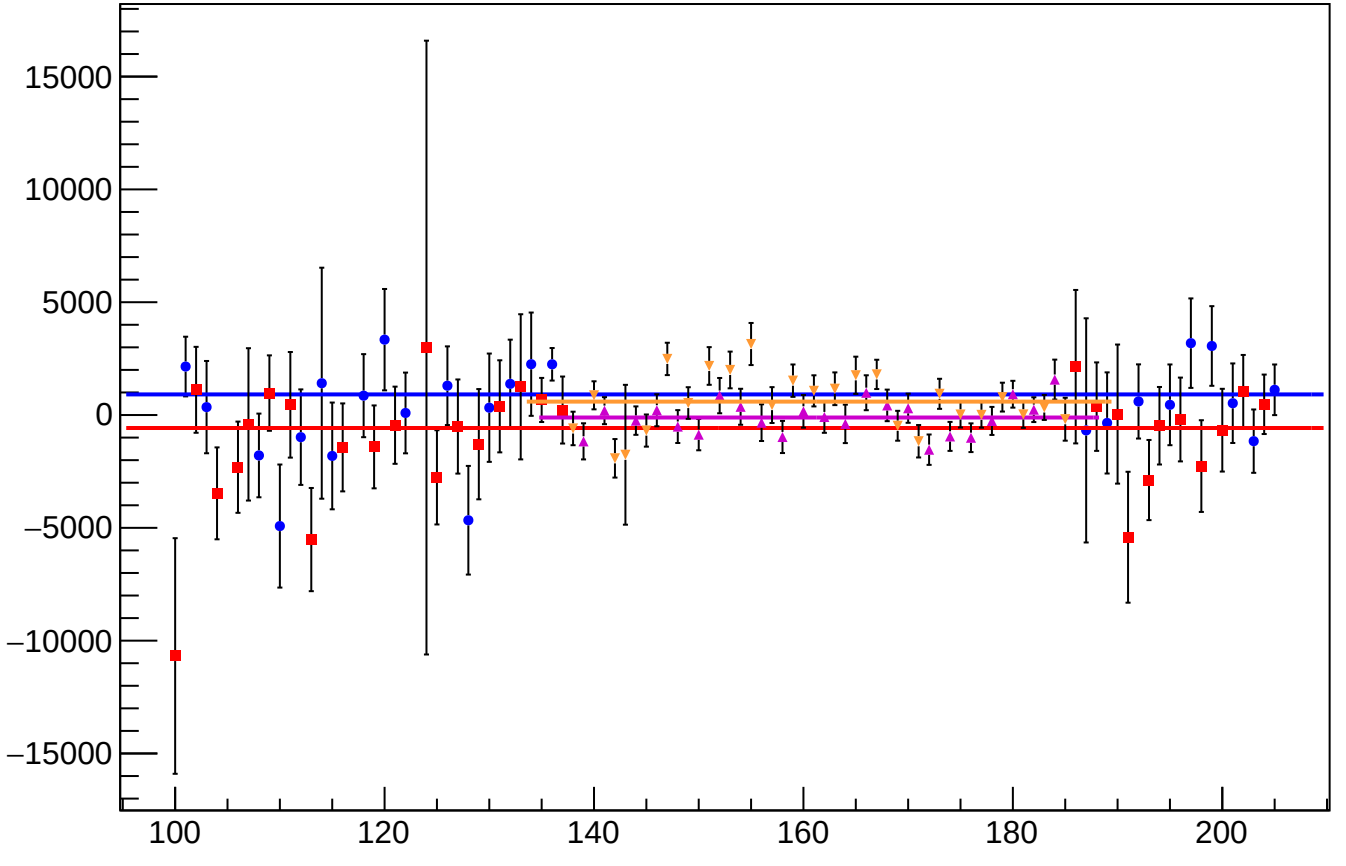
Right: 1273.540+/-0.168 χ^2/NDF: 882373.4/54

In: 1257.260+/-0.157 χ^2/NDF:544193.6/47

Out: 1249.429+/-0.151 χ^2/NDF:534925.6/54

All: 1253.201+/-0.109 χ^2/NDF: 1080412.2/10

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 913.809+/-339.982 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: -574.944+/-353.531 χ^2/NDF: 24.9/29

Left In: -110.251+/-144.232 χ^2/NDF:25.7/22

Left: 247.550+/-101.236 χ^2/NDF: 95.2/47

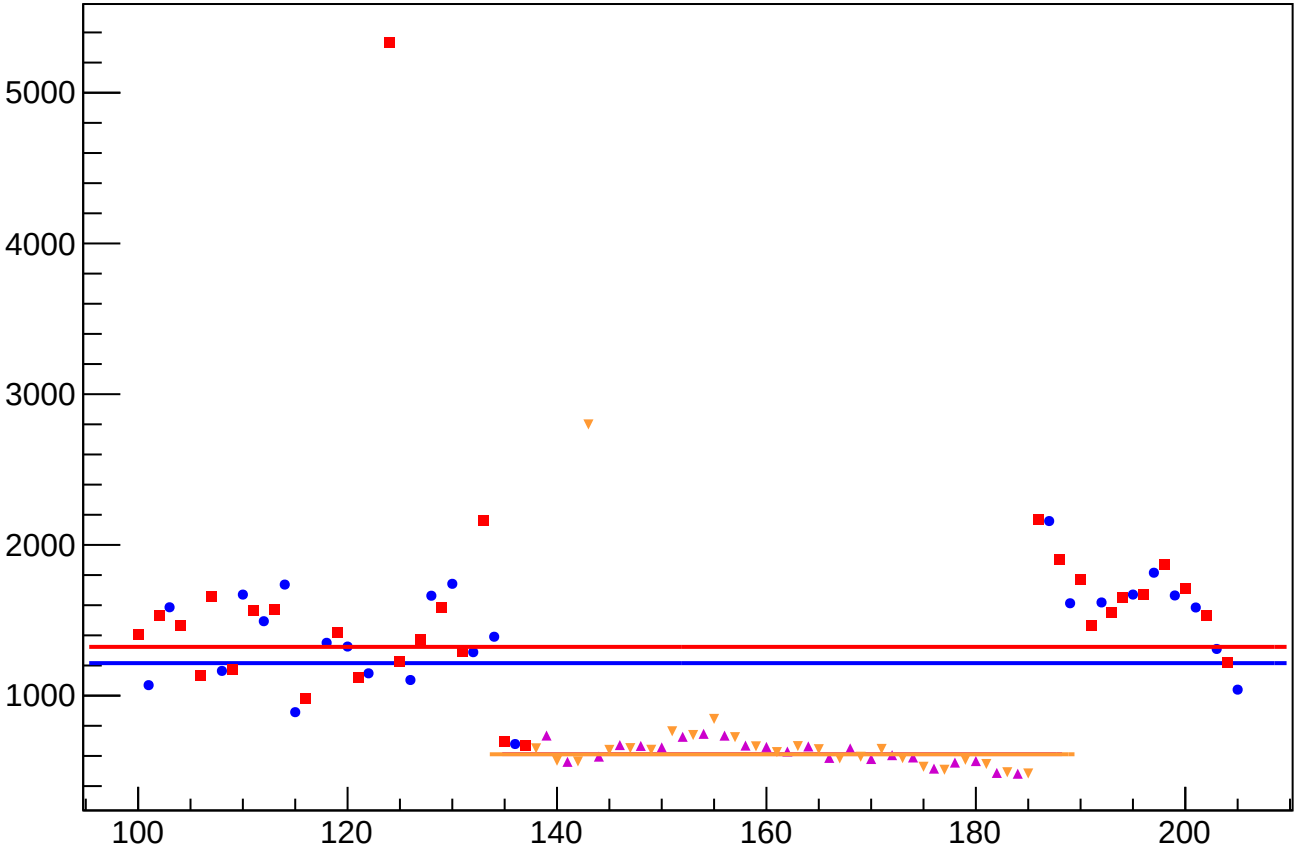
Right: 198.508+/-245.053 χ^2/NDF: 60.1/54

In: 45.944+/-132.778 χ^2/NDF:59.4/47

Out: 432.214+/-131.872 χ^2/NDF:91.6/54

All: 240.401+/-93.566 χ^2/NDF: 155.3/102

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1215.683+/-0.240 χ^2/NDF: 2396224.4/24

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1323.530+/-0.250 χ^2/NDF: 2574331.0/29

Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

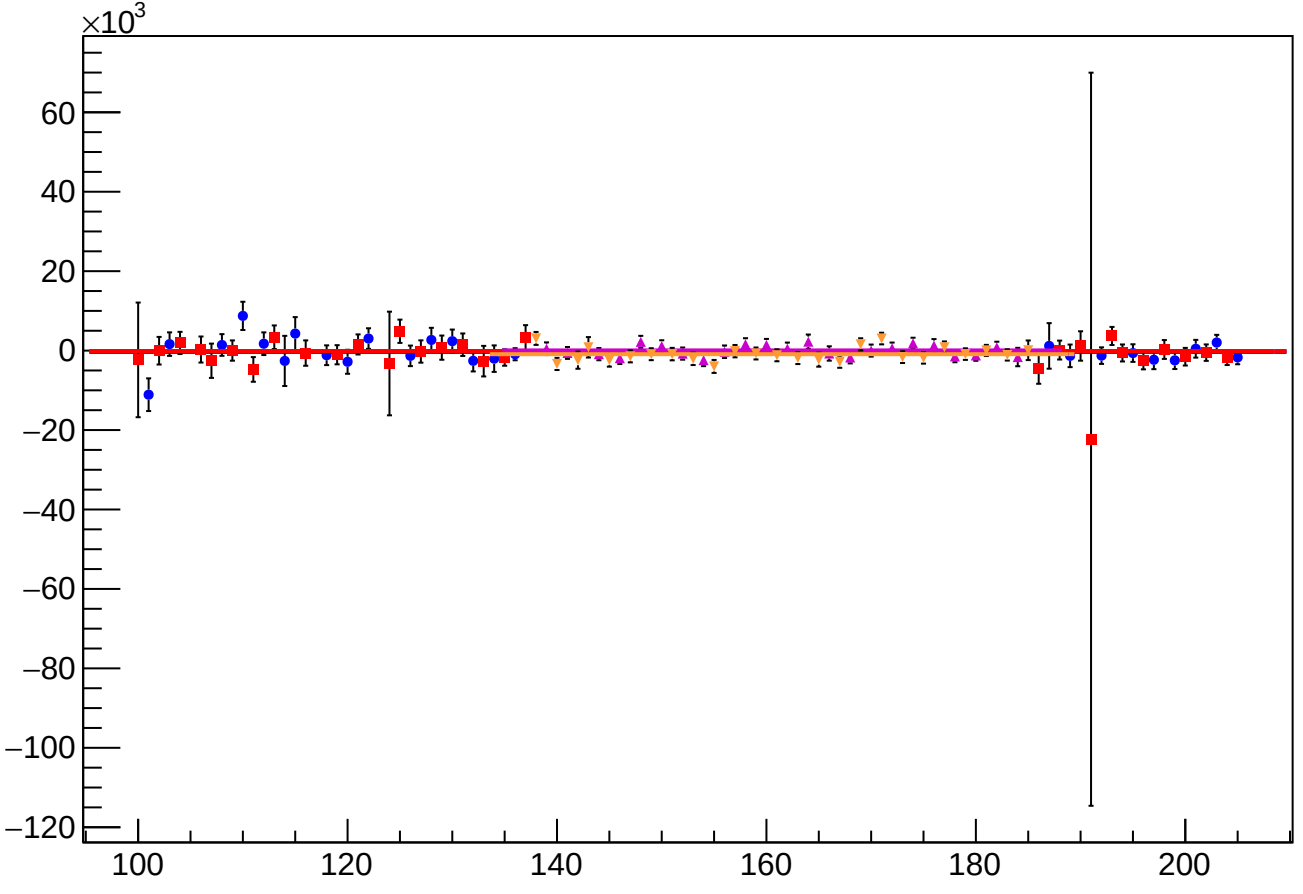
Left: 611.733+/-0.072 χ^2/NDF: 2128001.1/47

Right: 1267.500+/-0.173 χ^2/NDF: 5067249.8/54

In: 704.414+/-0.094 χ^2/NDF:8241751.6/47

Out: 710.216+/-0.093 χ^2/NDF:11185769.1/54

All: 707.335+/-0.066 χ^2/NDF: 19429442.9/10



Right In: -312.564+/-511.490 χ^2/NDF: 26.0/24

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -103.218+/-509.365 χ^2/NDF: 17.2/29

Left In: 48.178+/-320.929 χ^2/NDF:17.9/22

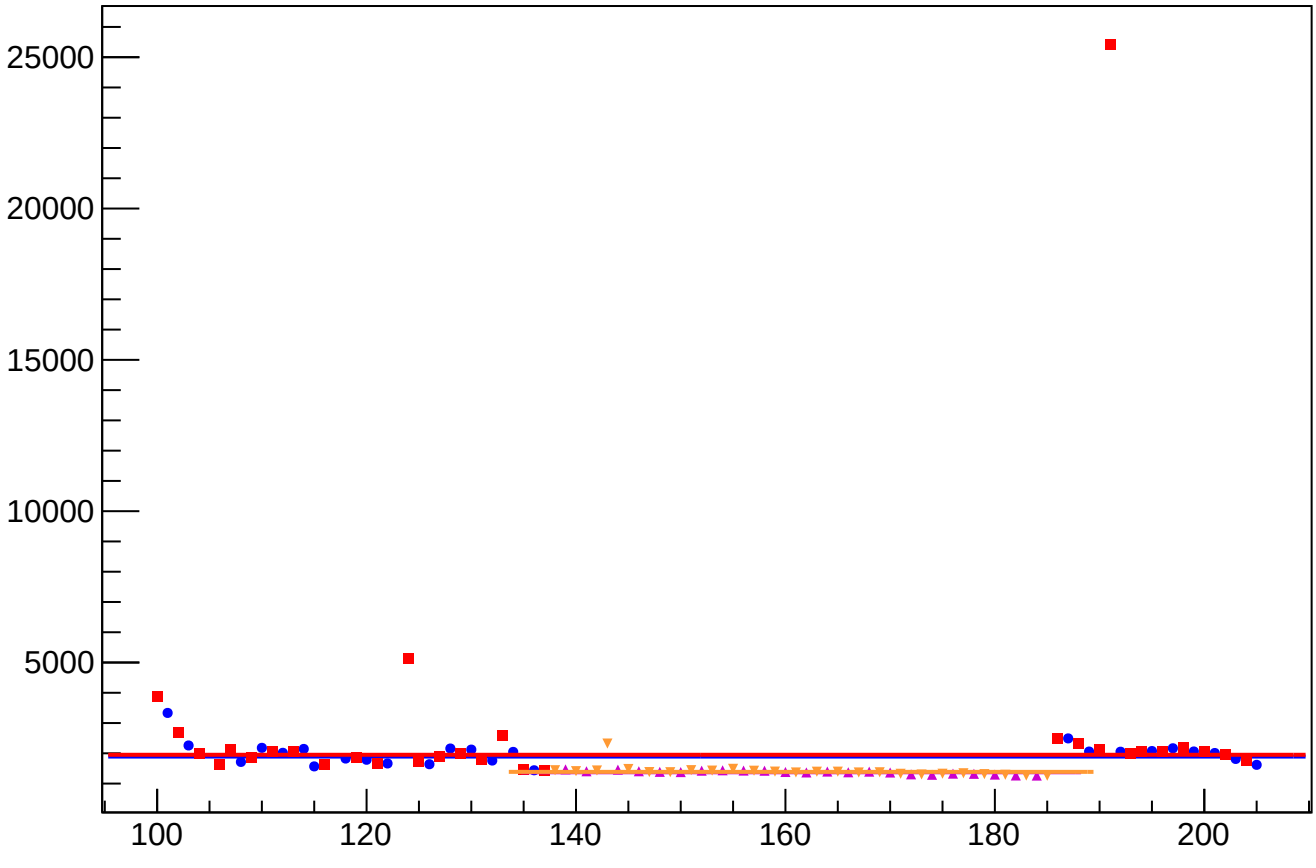
Left: -432.522+/-225.330 χ^2/NDF: 52.1/47

Right: -207.455+/-360.925 χ^2/NDF: 43.2/54

In: -53.723+/-271.849 χ^2/NDF:44.2/47

Out: -678.035+/-268.799 χ^2/NDF:48.7/54

All: -369.401+/-191.139 χ^2/NDF: 95.6/102



Right In: 1892.440+/-0.362 χ^2/NDF: 719414.2/24

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

Right Out: 1951.348+/-0.360 χ^2/NDF: 836306.3/29

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

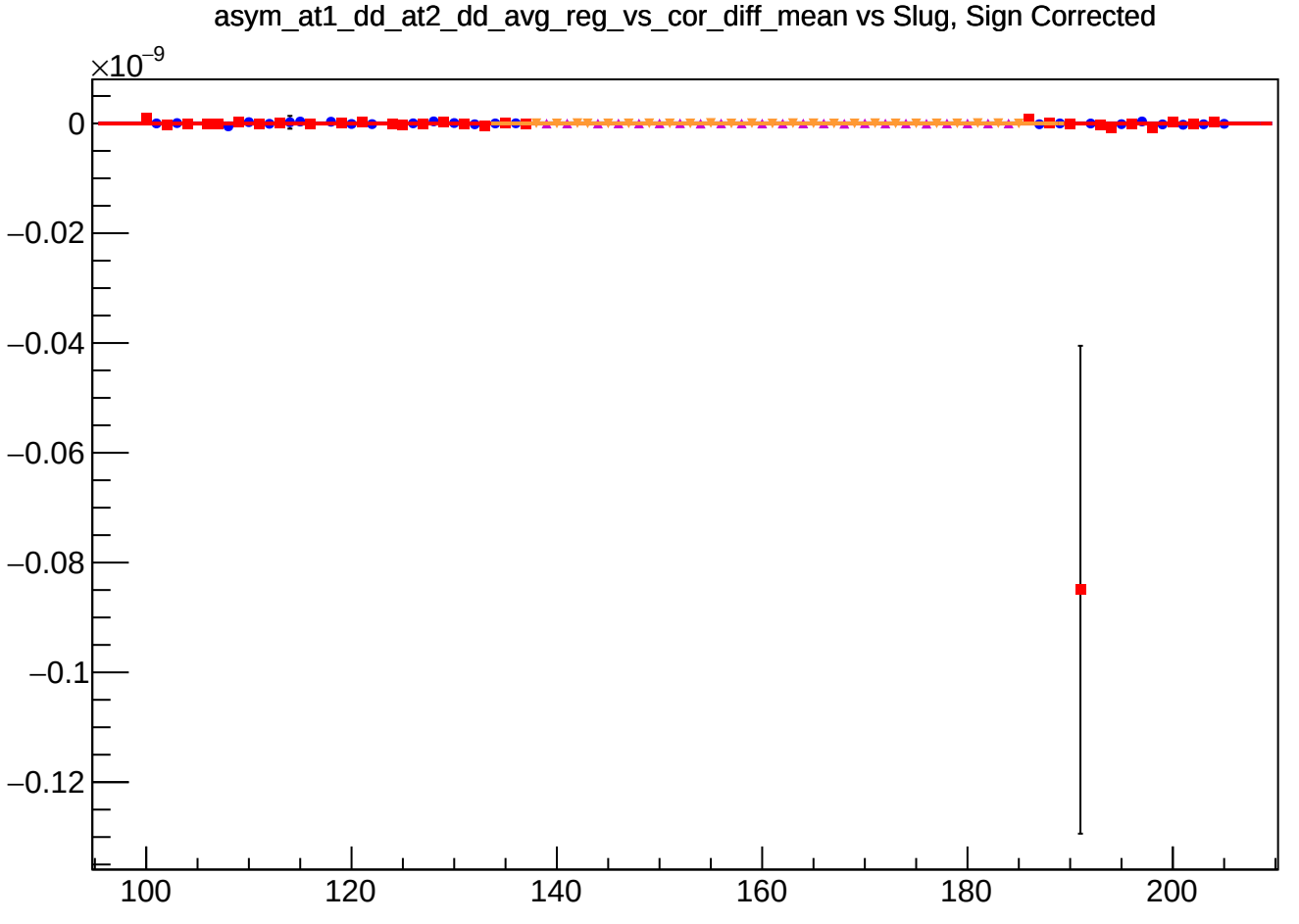
Left: 1380.126+/-0.159 χ^2/NDF: 406090.7/47

Right: 1922.017+/-0.255 χ^2/NDF: 1569039.8/54

In: 1519.884+/-0.192 χ^2/NDF:2262656.7/47

Out: 1544.050+/-0.190 χ^2/NDF:2948478.7/54

All: 1532.103+/-0.135 χ^2/NDF: 5219126.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/29

Left In: 0.000+/-0.000 χ^2/NDF:13.5/22

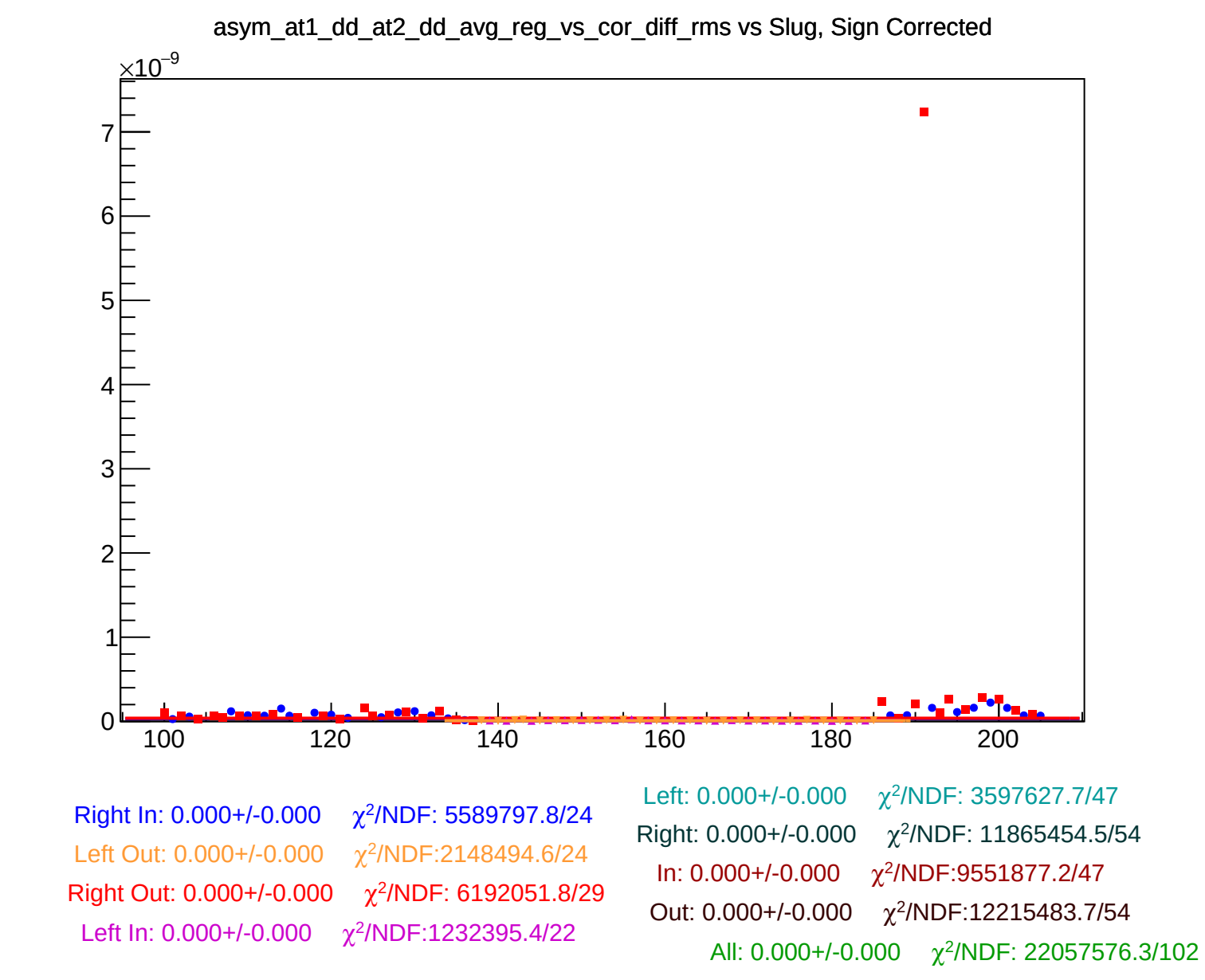
Left: 0.000+/-0.000 χ^2/NDF: 38.4/47

Right: -0.000+/-0.000 χ^2/NDF: 69.2/54

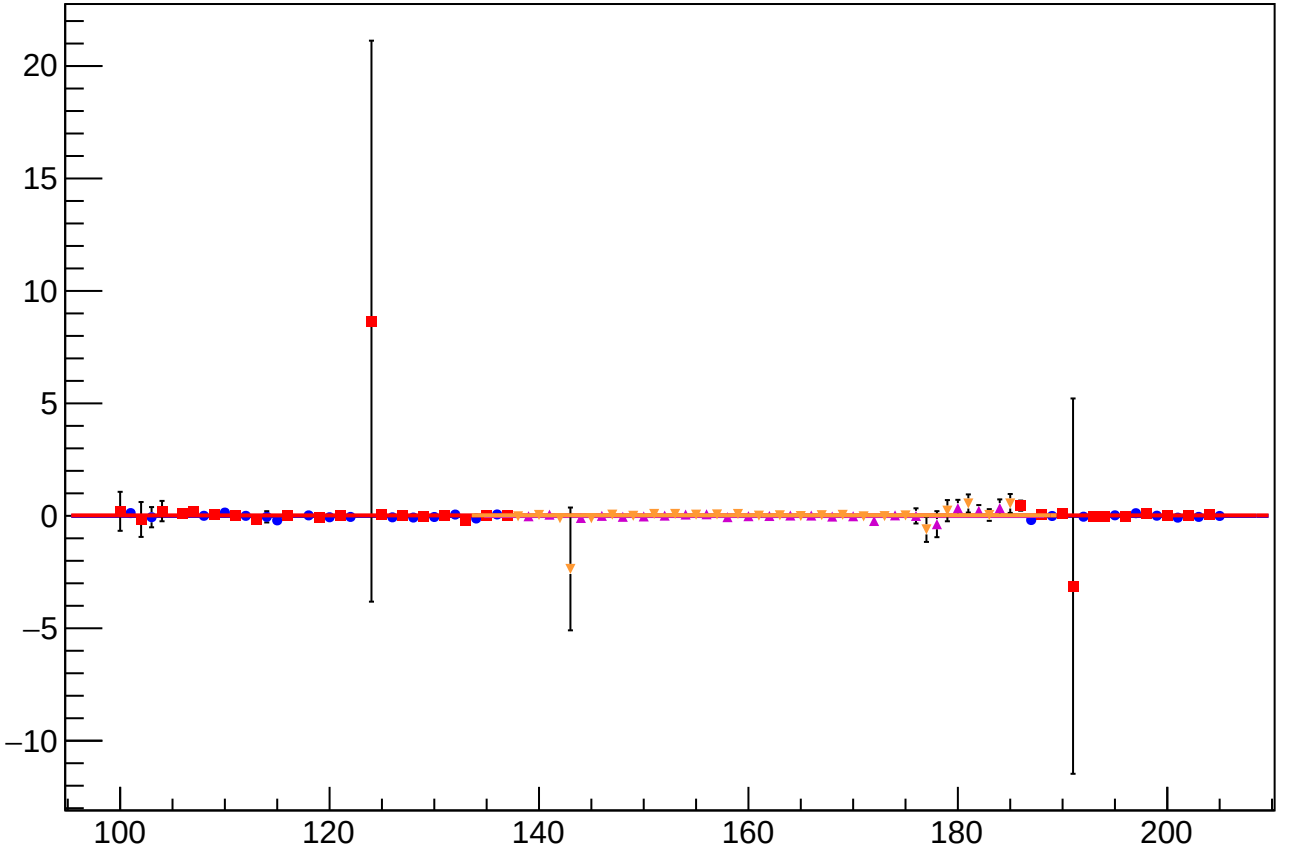
In: 0.000+/-0.000 χ^2/NDF:35.9/47

Out: 0.000+/-0.000 χ^2/NDF:71.7/54

All: 0.000+/-0.000 χ^2/NDF: 107.6/102


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
7
6
5
4
3
2
1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5589797.8/24
Left Out: 0.000+/-0.000 χ²/NDF:2148494.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 6192051.8/29
Left In: 0.000+/-0.000 χ²/NDF:1232395.4/22
Left: 0.000+/-0.000 χ²/NDF: 3597627.7/47
Right: 0.000+/-0.000 χ²/NDF: 11865454.5/54
In: 0.000+/-0.000 χ²/NDF:9551877.2/47
Out: 0.000+/-0.000 χ²/NDF:12215483.7/54
All: 0.000+/-0.000 χ²/NDF: 22057576.3/102

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

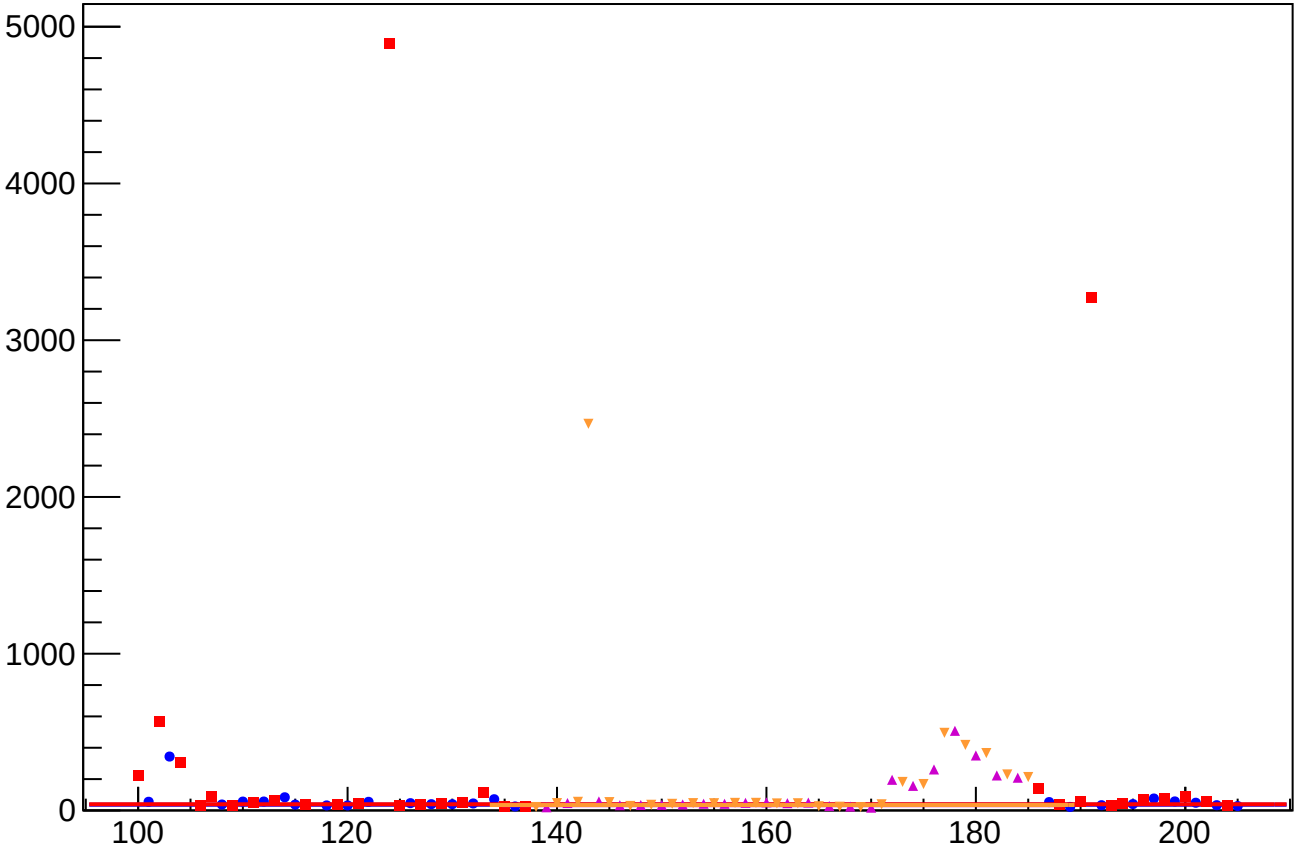
Right: 0.006+/-0.008 χ^2/NDF: 52.3/54

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.006+/-0.005 χ^2/NDF: 95.3/102

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

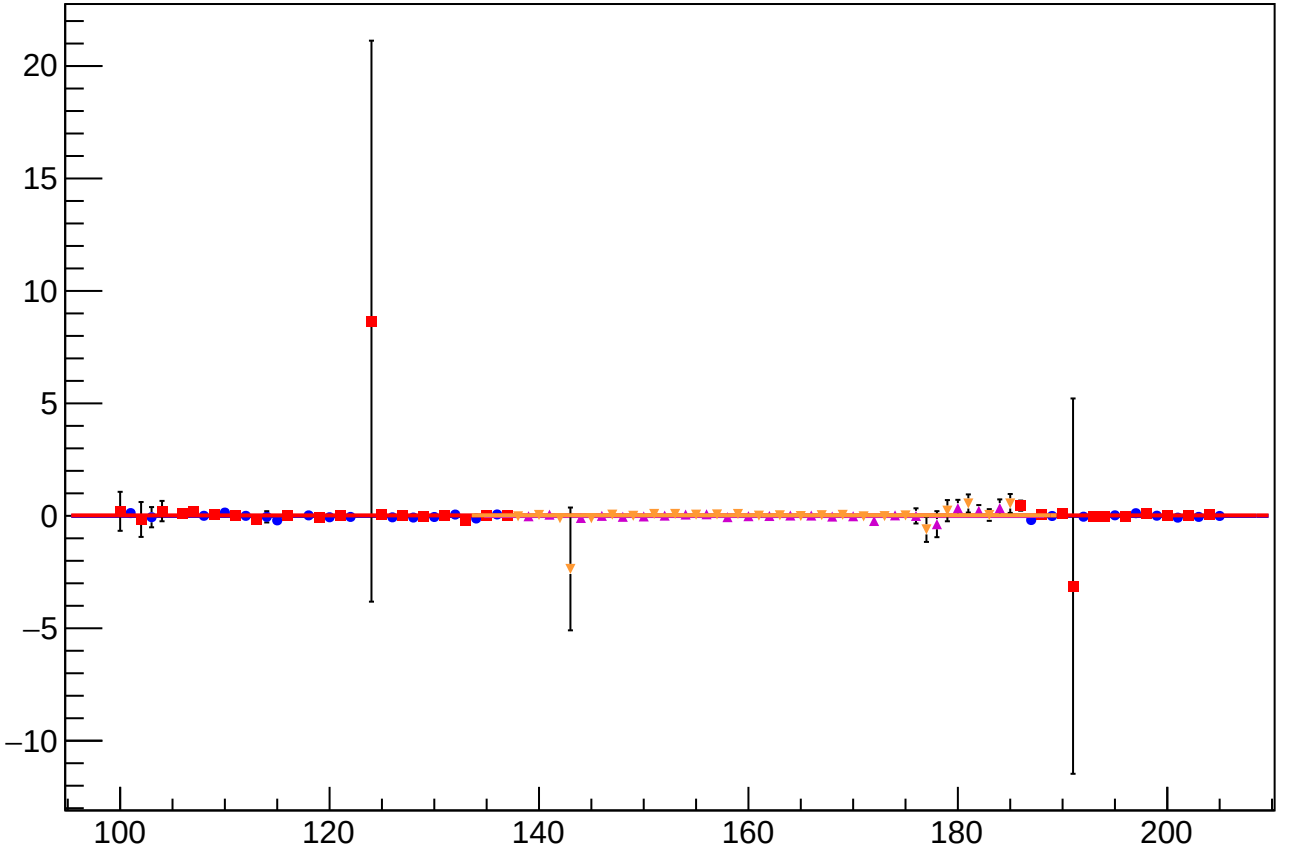
Right: 37.934+/-0.006 χ^2/NDF: 8809115.4/54

In: 34.879+/-0.005 χ^2/NDF:13292345.4/47

Out: 36.684+/-0.006 χ^2/NDF:17190023.9/54

All: 35.738+/-0.004 χ^2/NDF: 30538376.3/102

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

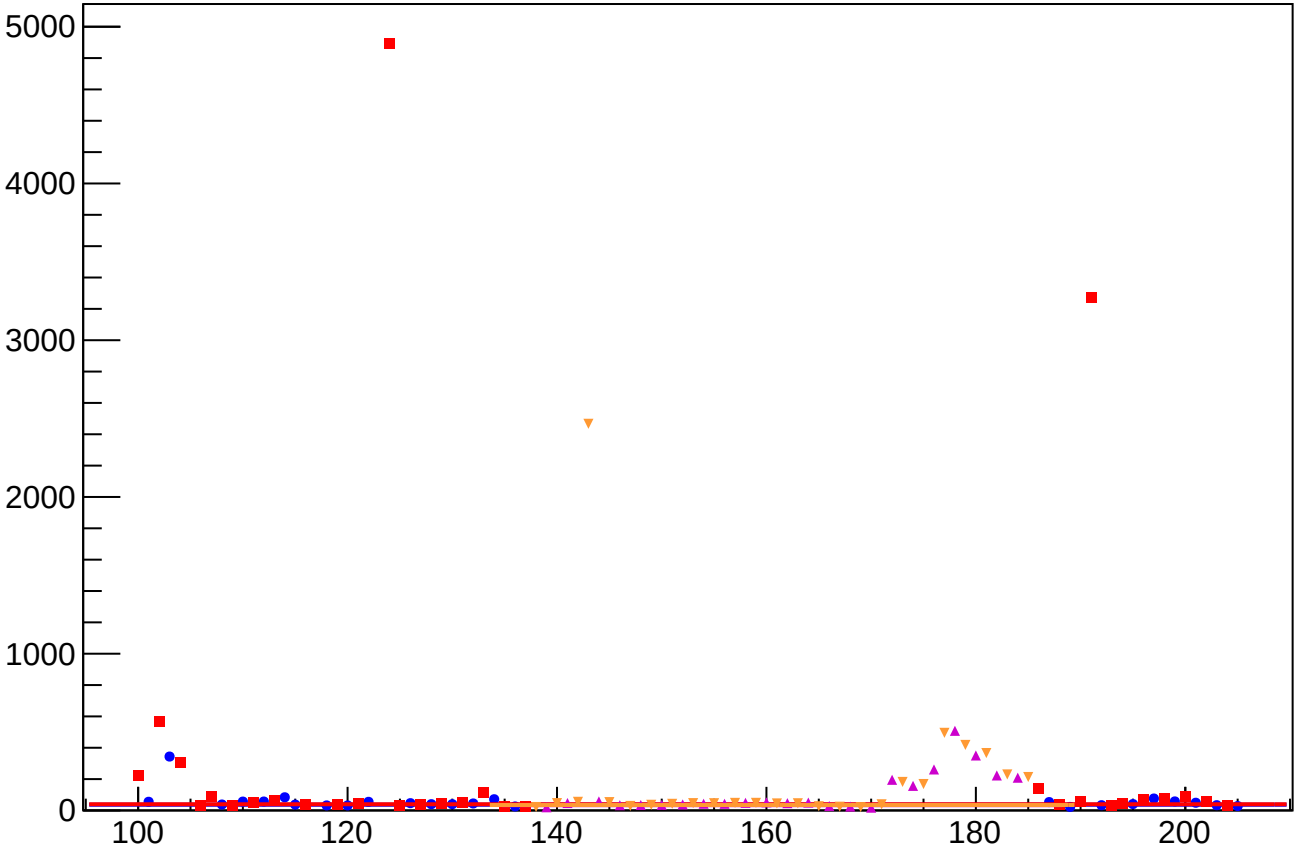
Right: 0.006+/-0.008 χ^2/NDF: 52.3/54

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.006+/-0.005 χ^2/NDF: 95.3/102

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5591023.5/29

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

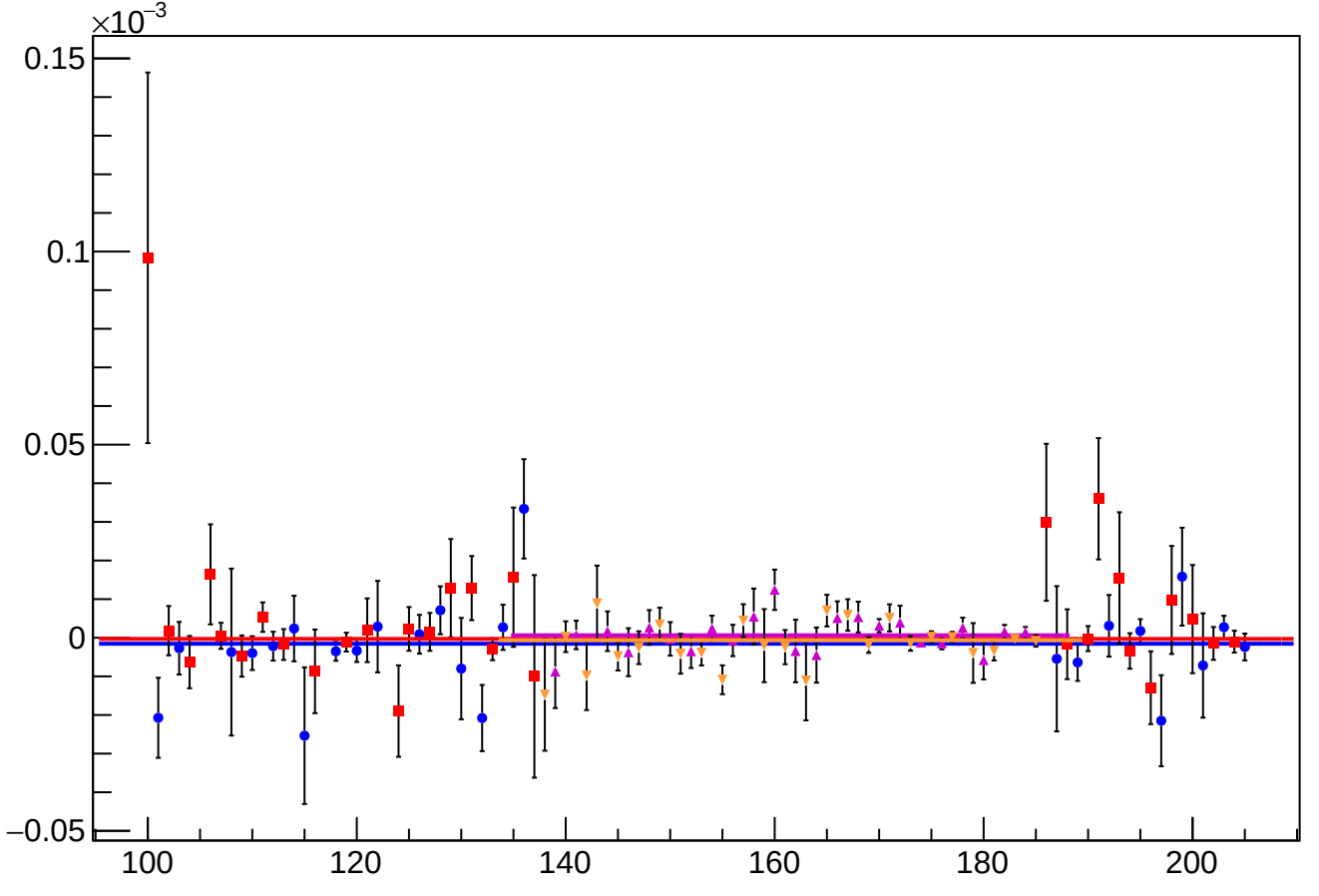
Left: 34.094+/-0.005 χ^2/NDF: 21480396.5/47

Right: 37.934+/-0.006 χ^2/NDF: 8809115.4/54

In: 34.879+/-0.005 χ^2/NDF:13292345.4/47

Out: 36.684+/-0.006 χ^2/NDF:17190023.9/54

All: 35.738+/-0.004 χ^2/NDF: 30538376.3/102



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/29

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

Left: -0.000+/-0.000 χ^2/NDF: 53.2/47

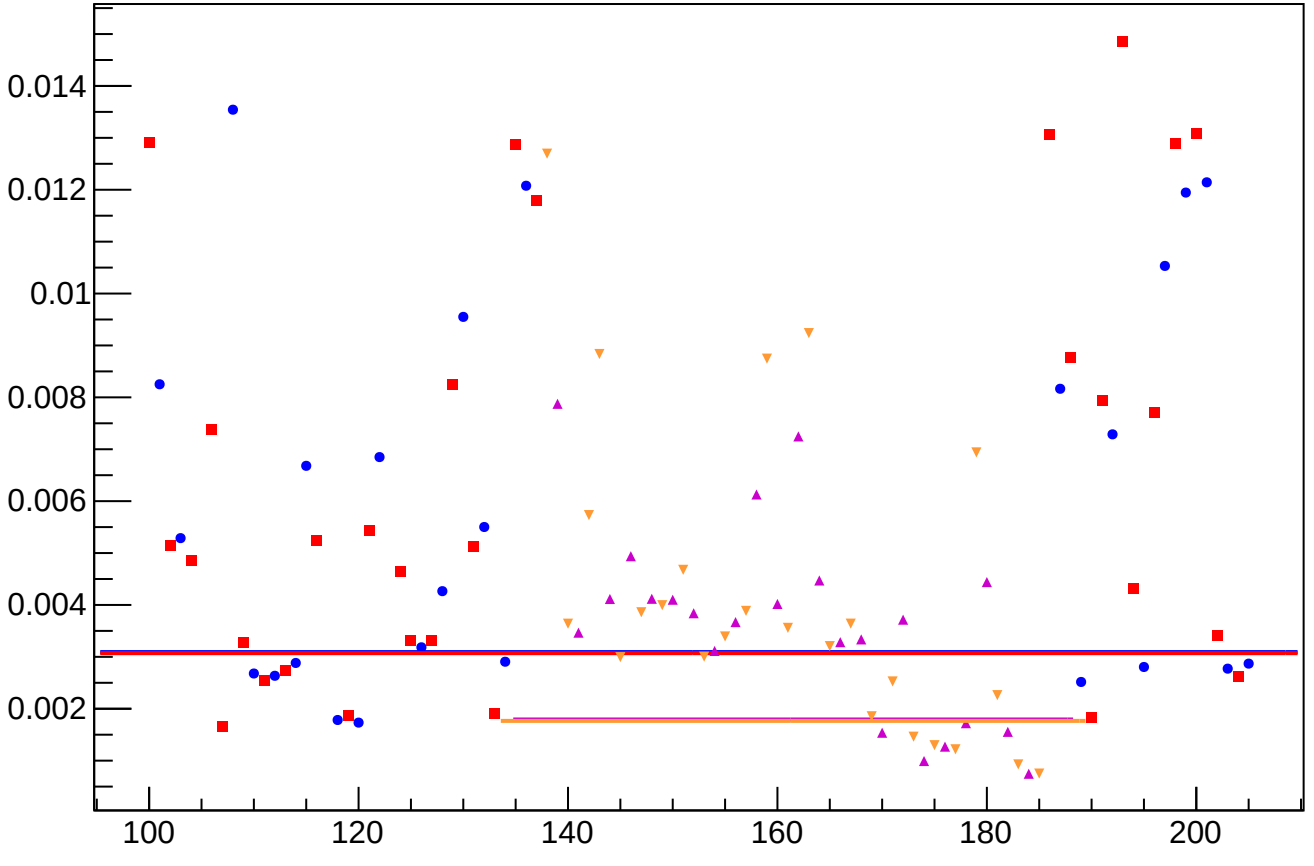
Right: -0.000+/-0.000 χ^2/NDF: 63.2/54

In: 0.000+/-0.000 χ^2/NDF:57.5/47

Out: -0.000+/-0.000 χ^2/NDF:58.8/54

All: -0.000+/-0.000 χ^2/NDF: 117.5/102

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 7654486.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8865729.6/29

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

Left: 0.002+/-0.000 χ^2/NDF: 23695843.2/47

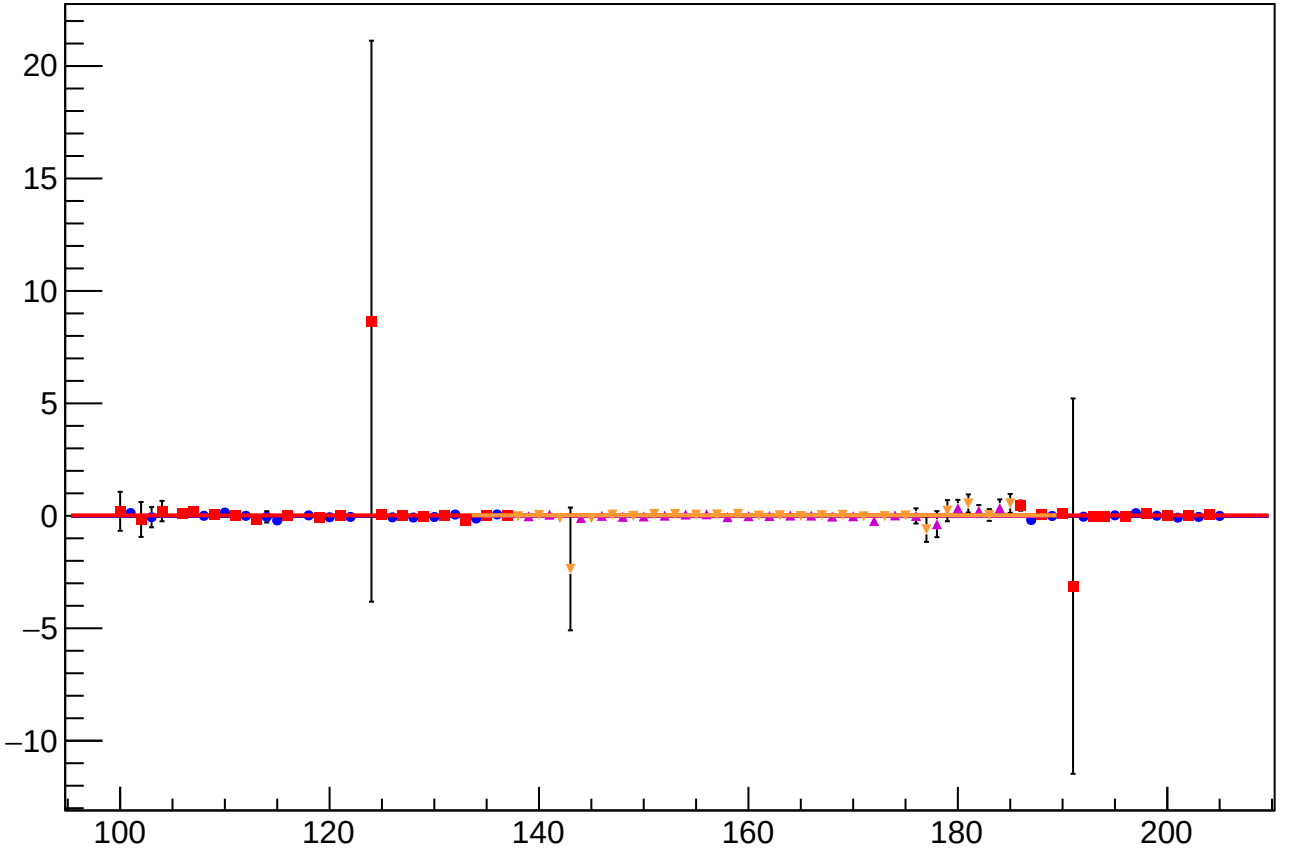
Right: 0.003+/-0.000 χ^2/NDF: 16520671.5/54

In: 0.002+/-0.000 χ^2/NDF:20965279.7/47

Out: 0.002+/-0.000 χ^2/NDF:24680057.2/54

All: 0.002+/-0.000 χ^2/NDF: 45648694.6/102

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

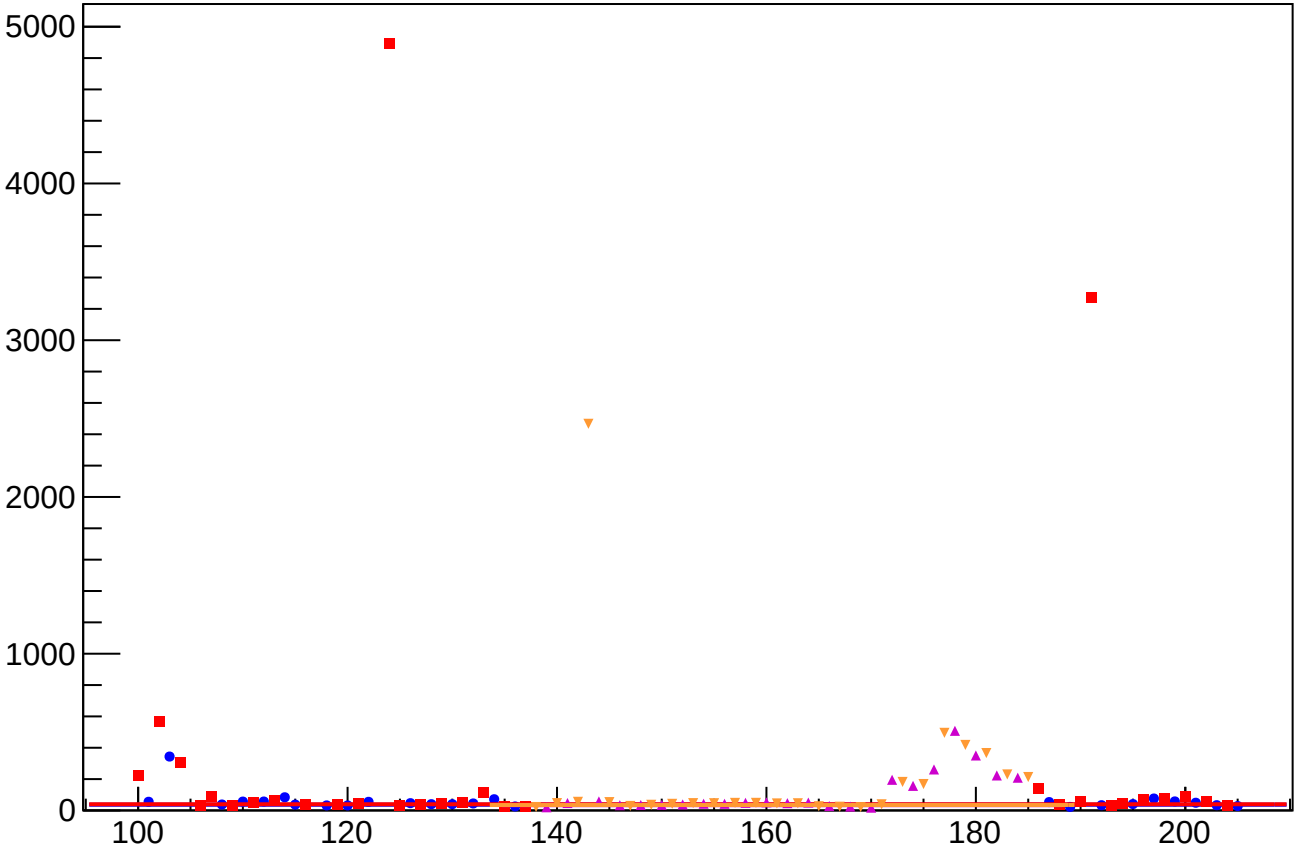
Right: 0.006+/-0.008 χ^2/NDF: 52.3/54

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.006+/-0.005 χ^2/NDF: 95.3/102

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

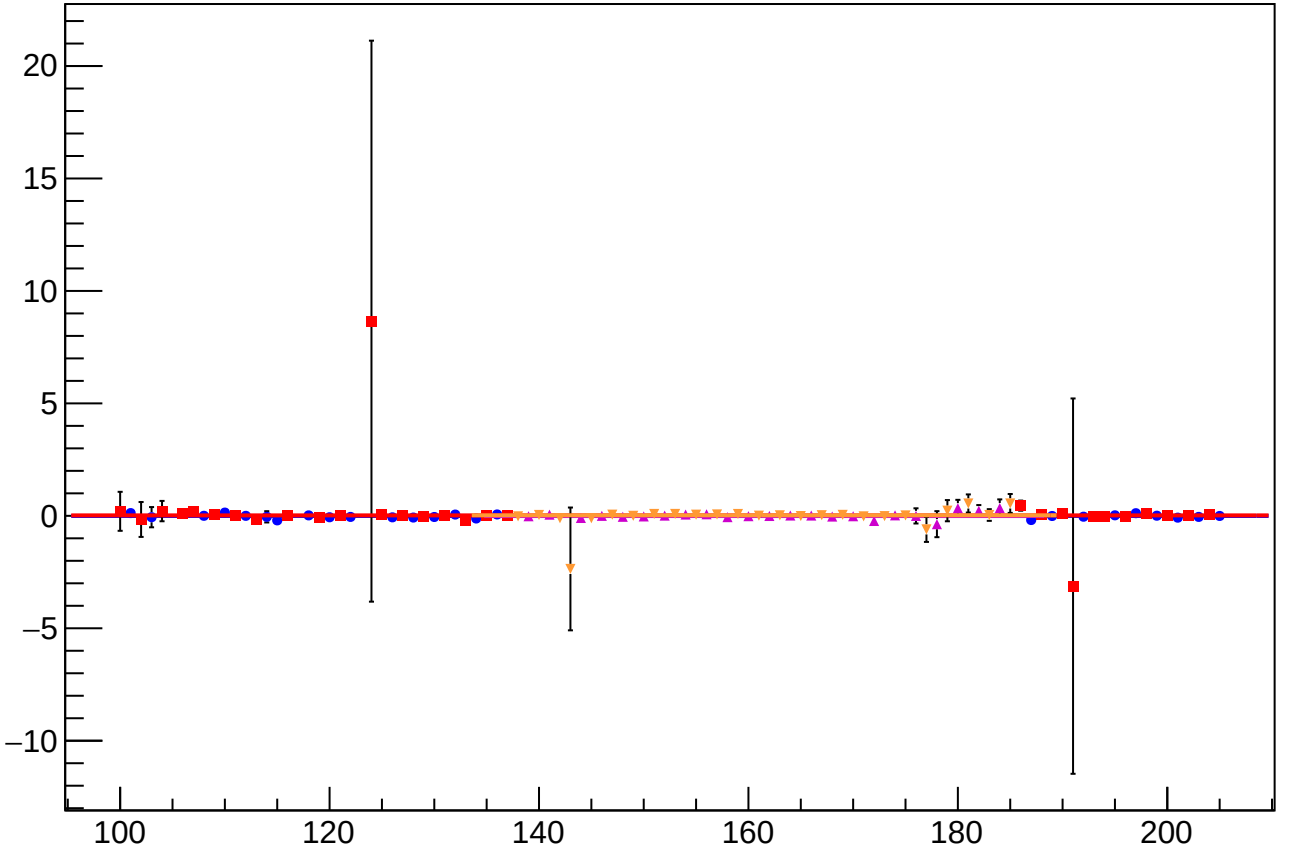
Right: 37.935+/-0.006 χ^2/NDF: 8808162.3/54

In: 34.881+/-0.005 χ^2/NDF:13290280.2/47

Out: 36.683+/-0.006 χ^2/NDF:17190097.0/54

All: 35.738+/-0.004 χ^2/NDF: 30536234.0/102

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: 0.020+/-0.012 χ^2/NDF: 22.0/29

Left In: -0.010+/-0.010 χ^2/NDF:14.8/22

Left: 0.006+/-0.007 χ^2/NDF: 43.0/47

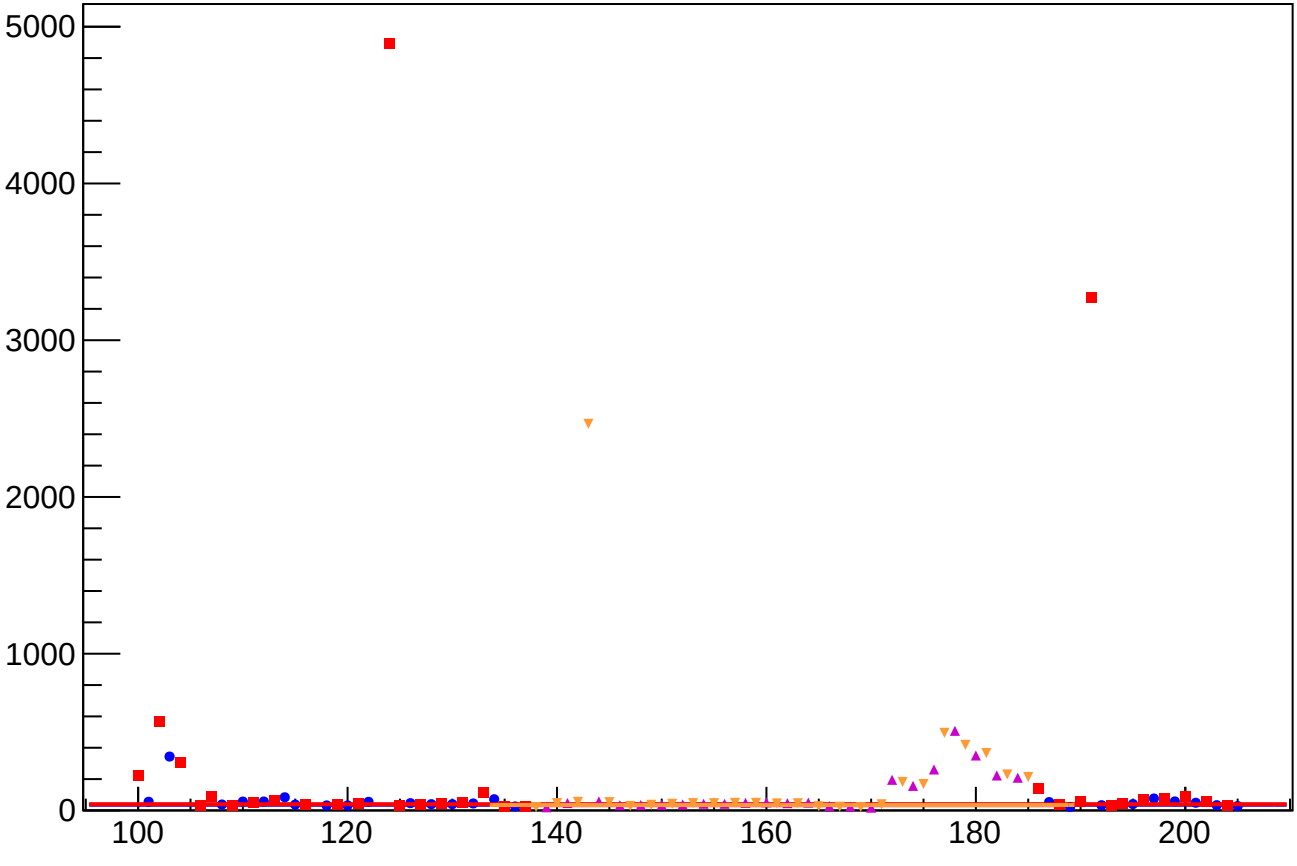
Right: 0.006+/-0.008 χ^2/NDF: 52.3/54

In: -0.008+/-0.007 χ^2/NDF:42.8/47

Out: 0.022+/-0.008 χ^2/NDF:44.9/54

All: 0.006+/-0.005 χ^2/NDF: 95.3/102

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 39.592+/-0.009 χ^2/NDF: 5590871.4/29

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

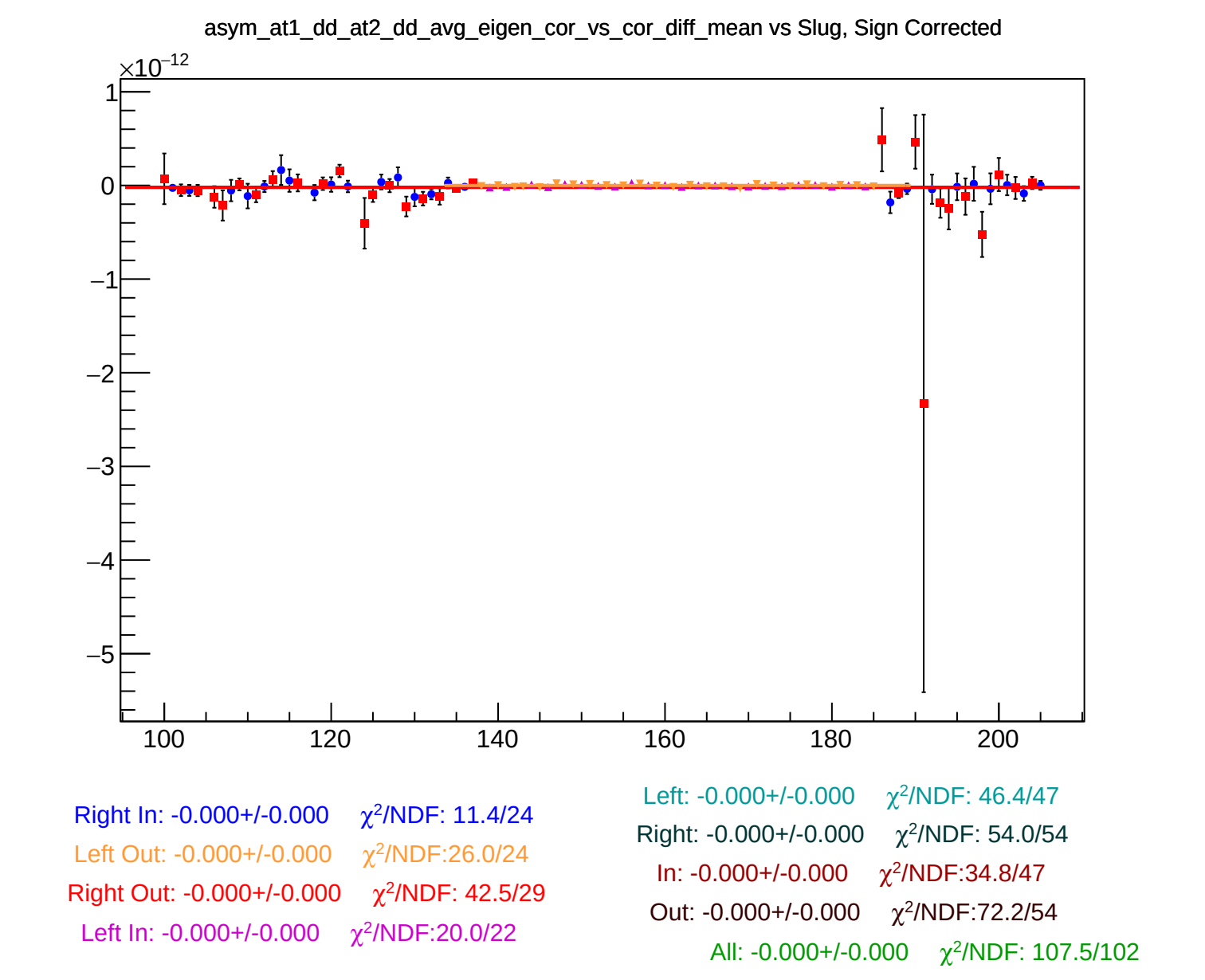
Left: 34.095+/-0.005 χ^2/NDF: 21479175.2/47

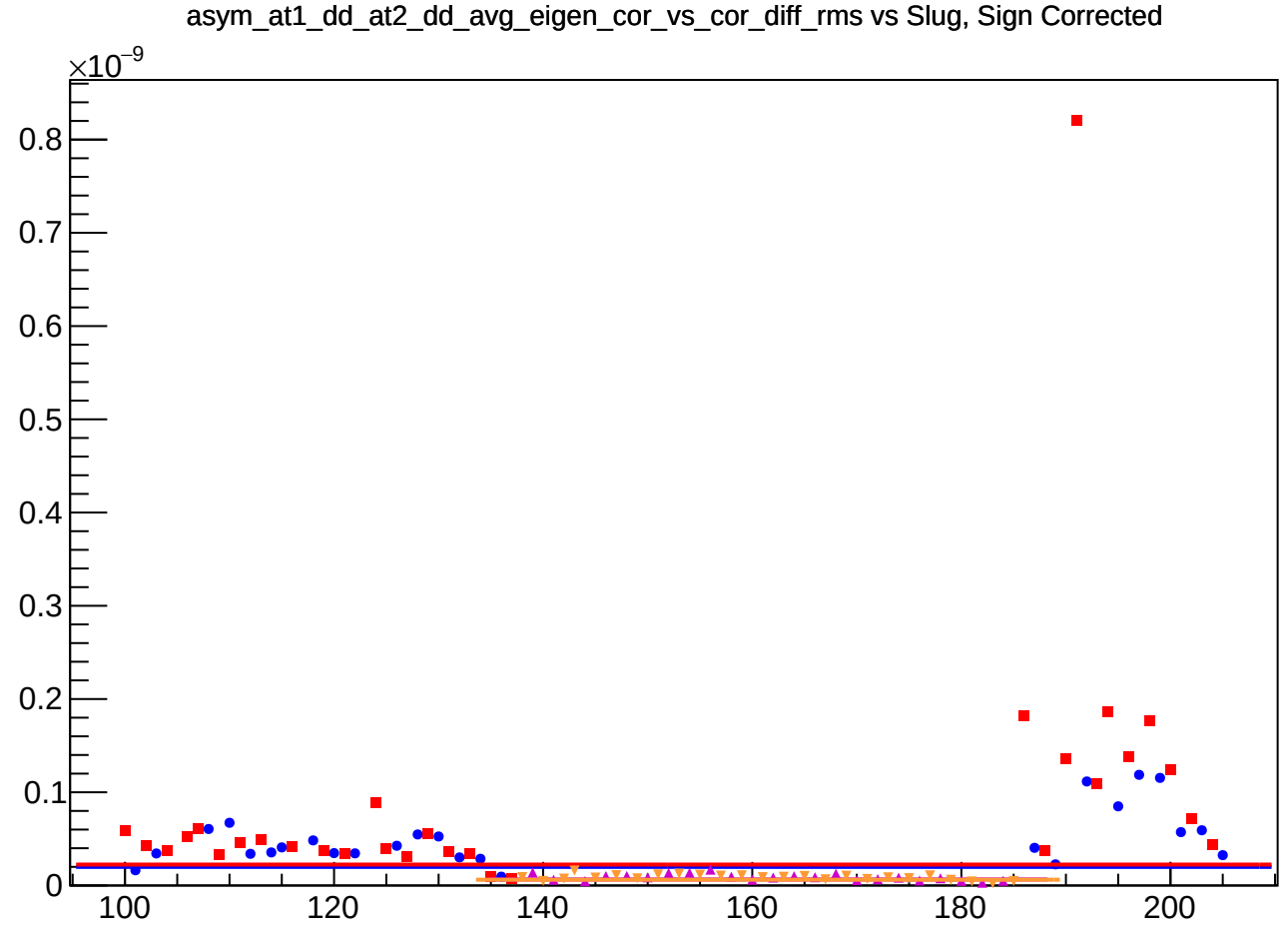
Right: 37.935+/-0.006 χ^2/NDF: 8808162.3/54

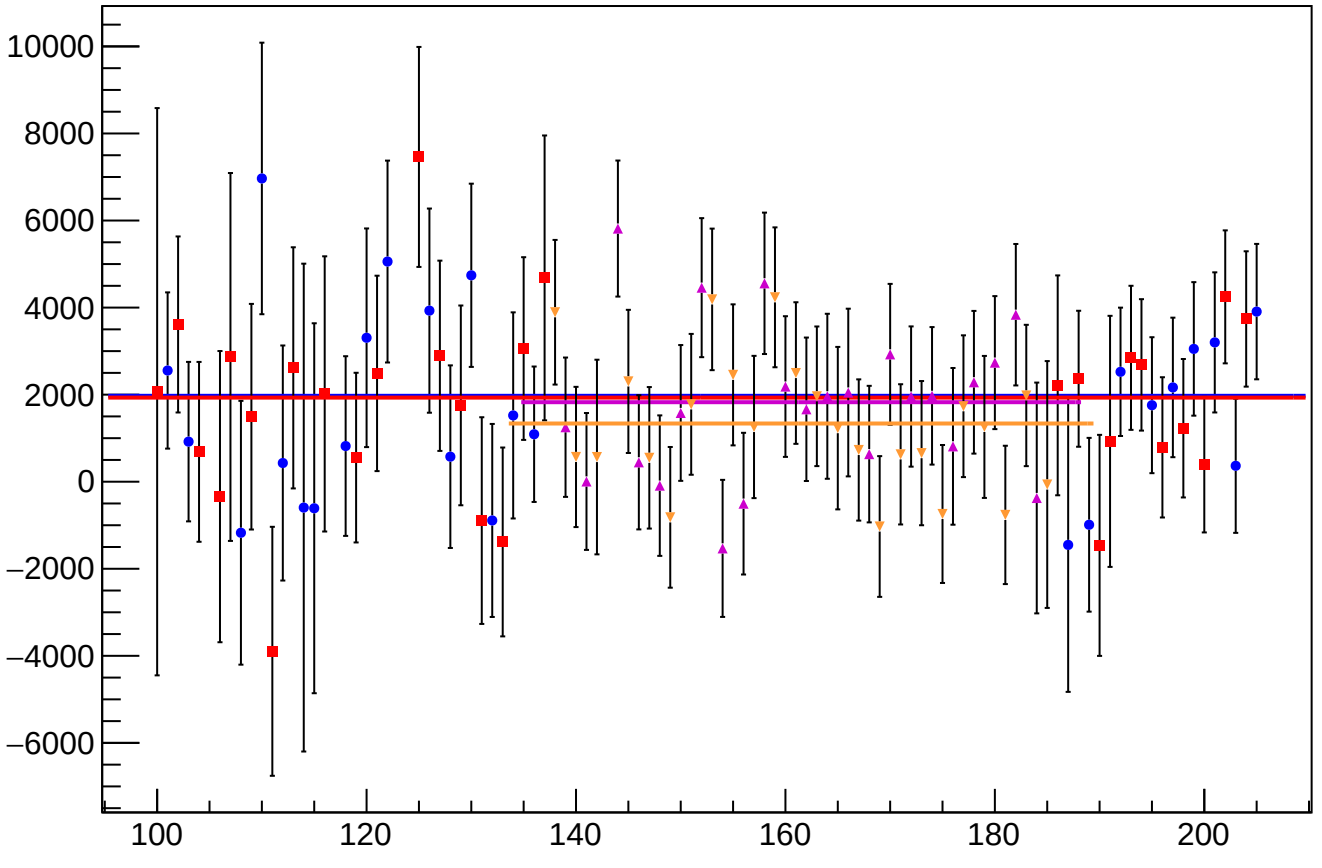
In: 34.881+/-0.005 χ^2/NDF:13290280.2/47

Out: 36.683+/-0.006 χ^2/NDF:17190097.0/54

All: 35.738+/-0.004 χ^2/NDF: 30536234.0/102


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 11.4/24
Left Out: -0.000+/-0.000 χ²/NDF:26.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 42.5/29
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: 54.0/54
In: -0.000+/-0.000 χ²/NDF:34.8/47
Out: -0.000+/-0.000 χ²/NDF:72.2/54
All: -0.000+/-0.000 χ²/NDF: 107.5/102


asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected
×10⁻⁹
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: 6698069.0/24
Left Out: 0.000+/-0.000 χ²/NDF:5077918.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 9456195.6/29
Left In: 0.000+/-0.000 χ²/NDF:3998320.2/22
Left: 0.000+/-0.000 χ²/NDF: 9096603.9/47
Right: 0.000+/-0.000 χ²/NDF: 16216414.3/54
In: 0.000+/-0.000 χ²/NDF:14653952.8/47
Out: 0.000+/-0.000 χ²/NDF:19148722.8/54
All: 0.000+/-0.000 χ²/NDF: 33835677.6/102



Right In: 1973.286+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: 1932.235+/-390.472 χ^2/NDF: 24.0/28

Left In: 1826.599+/-343.483 χ^2/NDF:26.5/22

Left: 1580.036+/-242.001 χ^2/NDF: 46.7/46

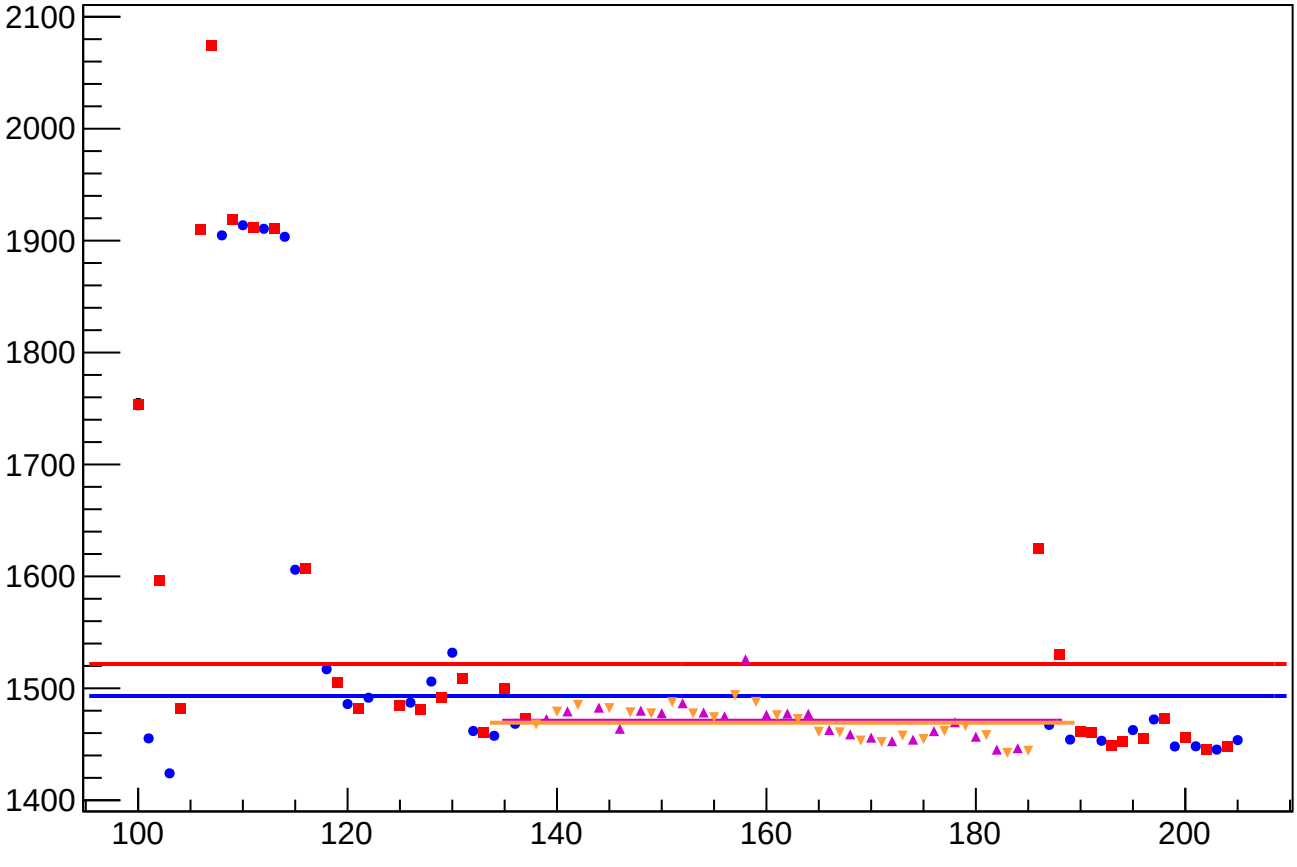
Right: 1952.344+/-278.893 χ^2/NDF: 43.3/53

In: 1889.129+/-260.168 χ^2/NDF:45.9/47

Out: 1594.558+/-256.850 χ^2/NDF:44.5/52

All: 1739.953+/-182.782 χ^2/NDF: 91.0/100

reg_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.6/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.700+/-0.276 χ^2/NDF: 228717.5/28

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

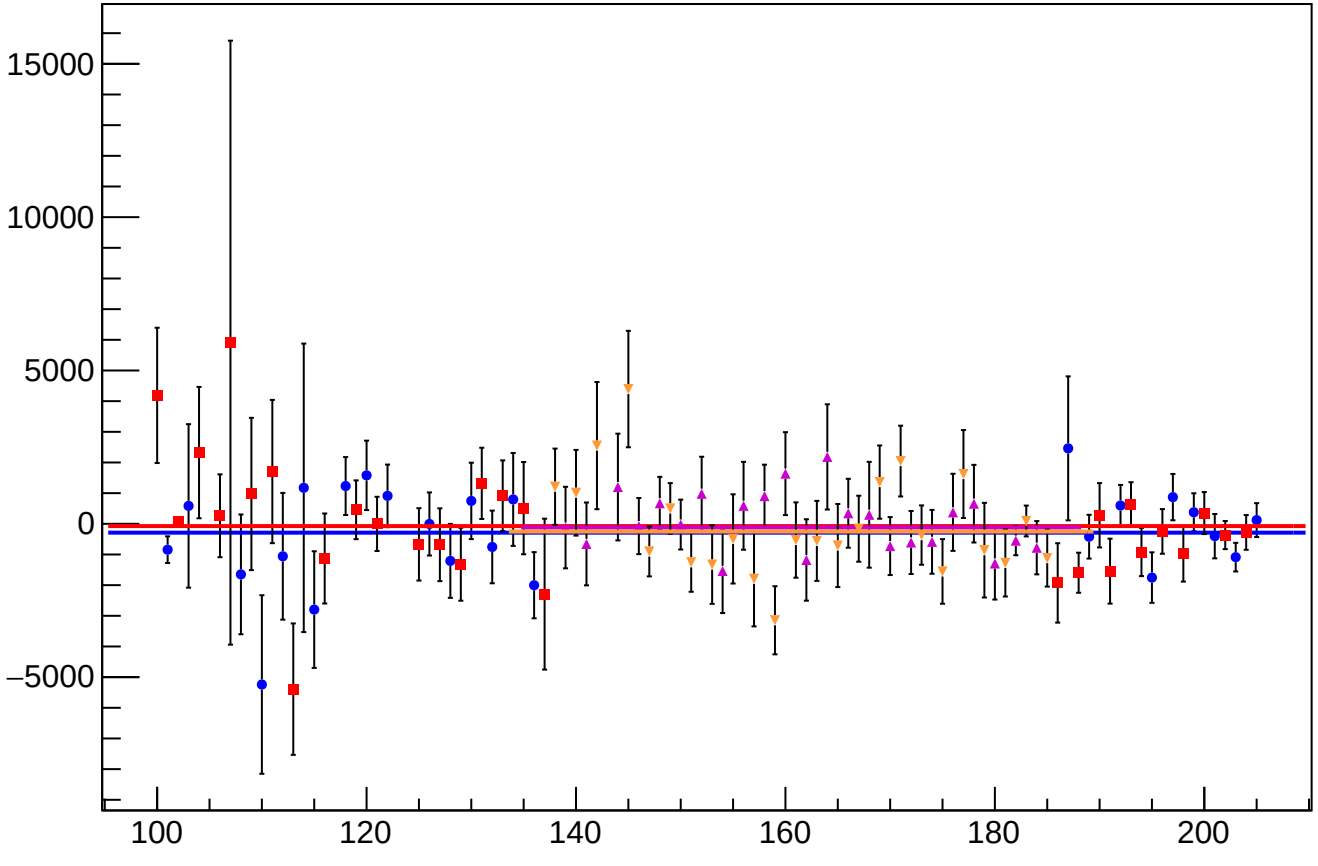
Right: 1507.709+/-0.197 χ^2/NDF: 383274.4/53

In: 1480.468+/-0.184 χ^2/NDF:157481.2/47

Out: 1491.954+/-0.182 χ^2/NDF:252332.0/52

All: 1486.285+/-0.129 χ^2/NDF: 411787.5/100

asym_usl_atl1_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -288.391+/-172.872 χ^2/NDF: 31.6/24

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -74.103+/-109.956 χ^2/NDF: 32.5/28

Left In: -119.802+/-215.975 χ^2/NDF:12.8/22

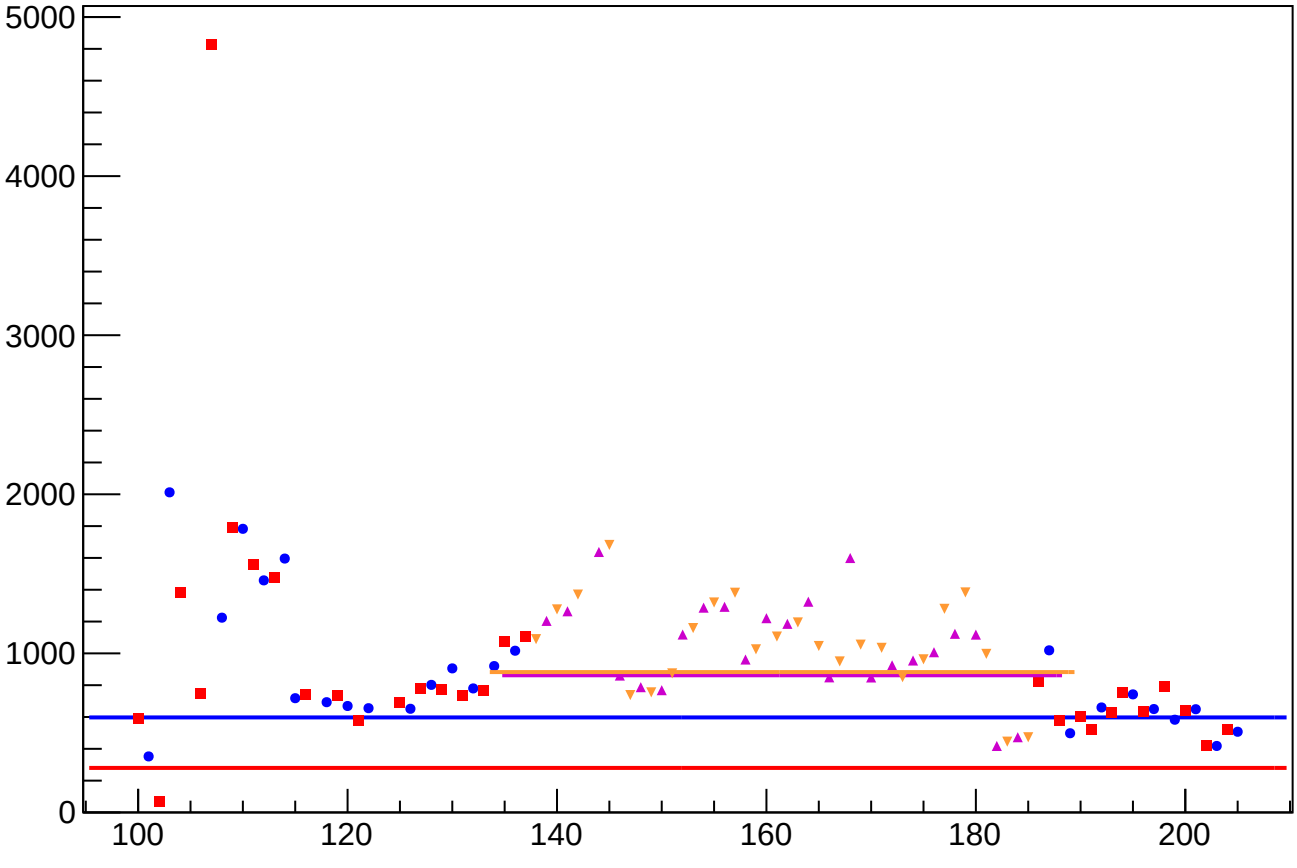
Left: -184.979+/-153.557 χ^2/NDF: 45.7/46

Right: -135.825+/-92.778 χ^2/NDF: 65.2/53

In: -222.558+/-134.962 χ^2/NDF:44.8/47

Out: -110.006+/-98.208 χ^2/NDF:65.7/52

All: -148.970+/-79.409 χ^2/NDF: 111.0/100



Right In: 597.389+/-0.122 χ^2/NDF: 3393361.9/24

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 279.955+/-0.078 χ^2/NDF: 15586430.2/28

Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

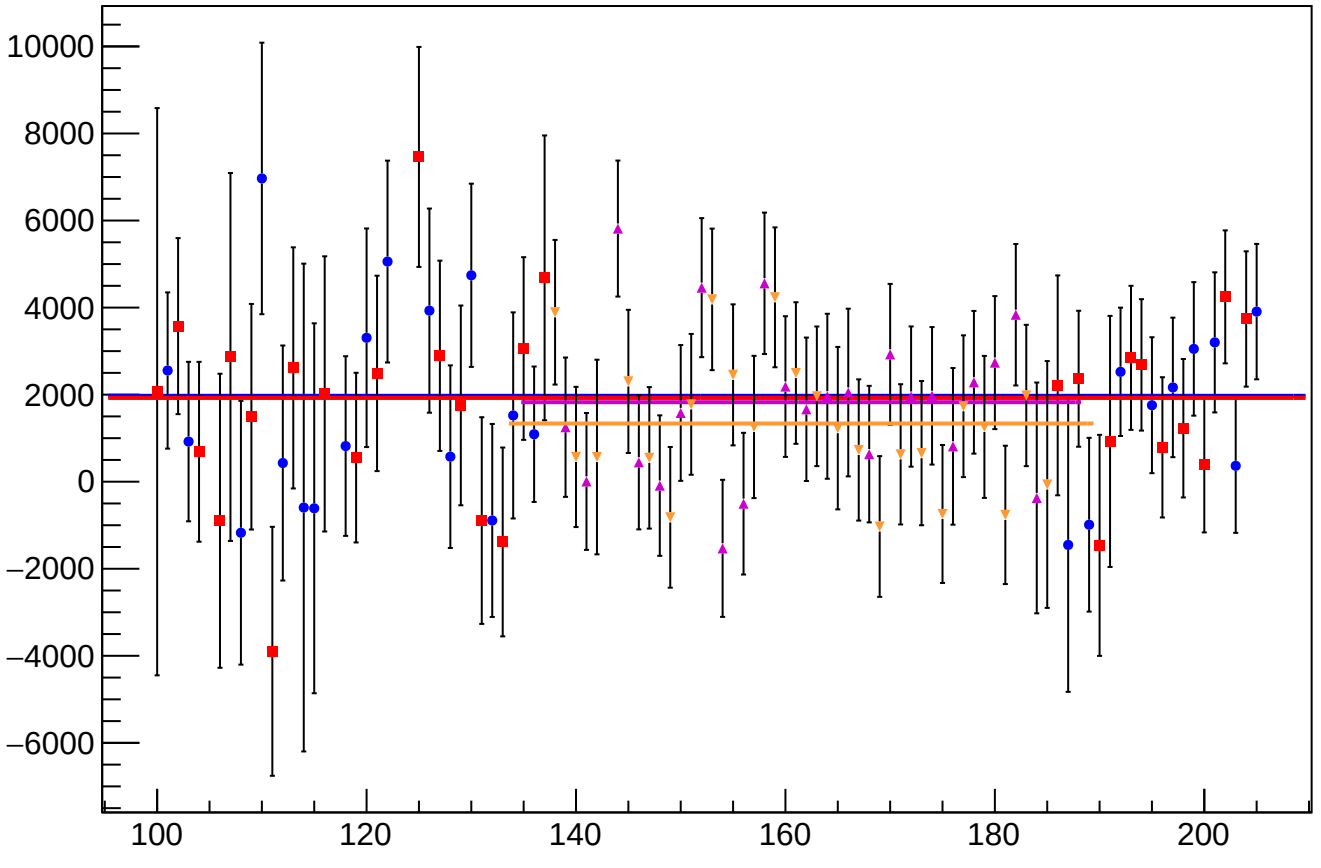
Left: 872.253+/-0.109 χ^2/NDF: 8279289.7/46

Right: 371.387+/-0.066 χ^2/NDF: 23780960.4/53

In: 700.835+/-0.095 χ^2/NDF:9596744.8/47

Out: 401.812+/-0.069 χ^2/NDF:31632383.2/52

All: 505.332+/-0.056 χ^2/NDF: 47648073.9/10



Right In: 1973.397+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1923.967+/-390.525 χ^2/NDF: 24.2/28

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

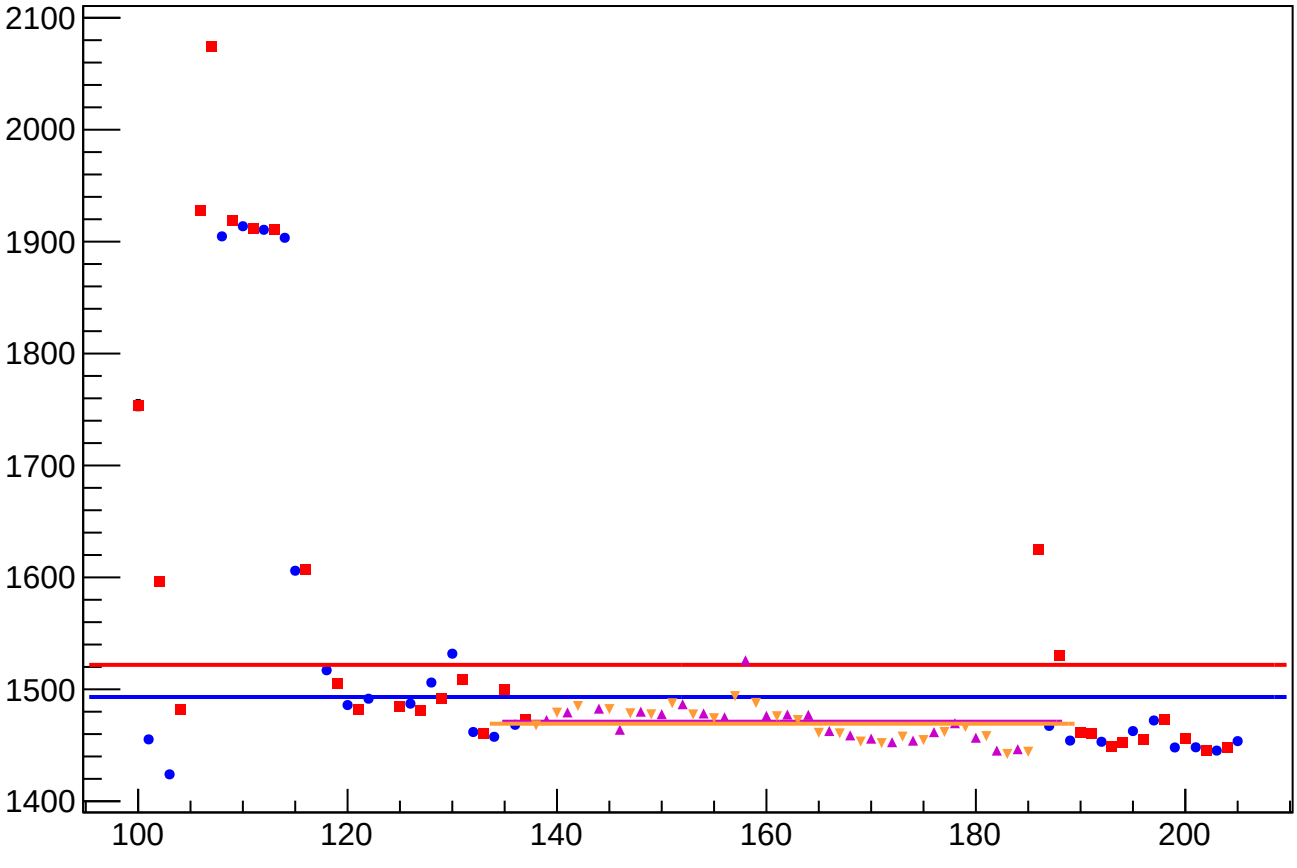
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1948.184+/-278.912 χ^2/NDF: 43.6/53

In: 1889.202+/-260.168 χ^2/NDF:45.9/47

Out: 1590.948+/-256.865 χ^2/NDF:44.7/52

All: 1738.170+/-182.787 χ^2/NDF: 91.2/100



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.5/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.851+/-0.276 χ^2/NDF: 230772.6/28

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

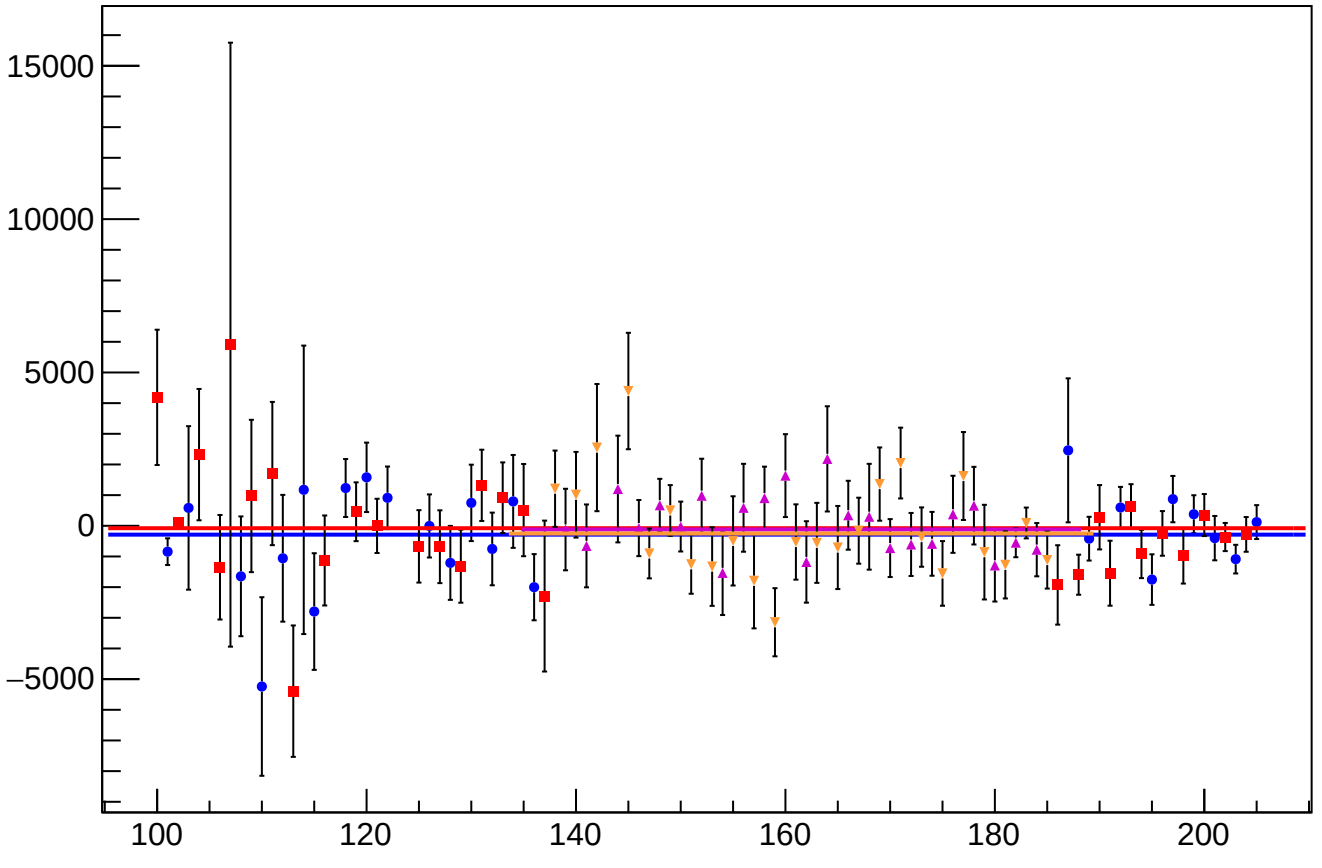
Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

Right: 1507.784+/-0.197 χ^2/NDF: 385384.3/53

In: 1480.468+/-0.184 χ^2/NDF:157481.1/47

Out: 1492.016+/-0.182 χ^2/NDF:254502.0/52

All: 1486.316+/-0.129 χ^2/NDF: 413978.6/100



Right In: -288.301+/-172.870 χ^2/NDF: 31.6/24

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -78.419+/-116.409 χ^2/NDF: 33.3/28

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

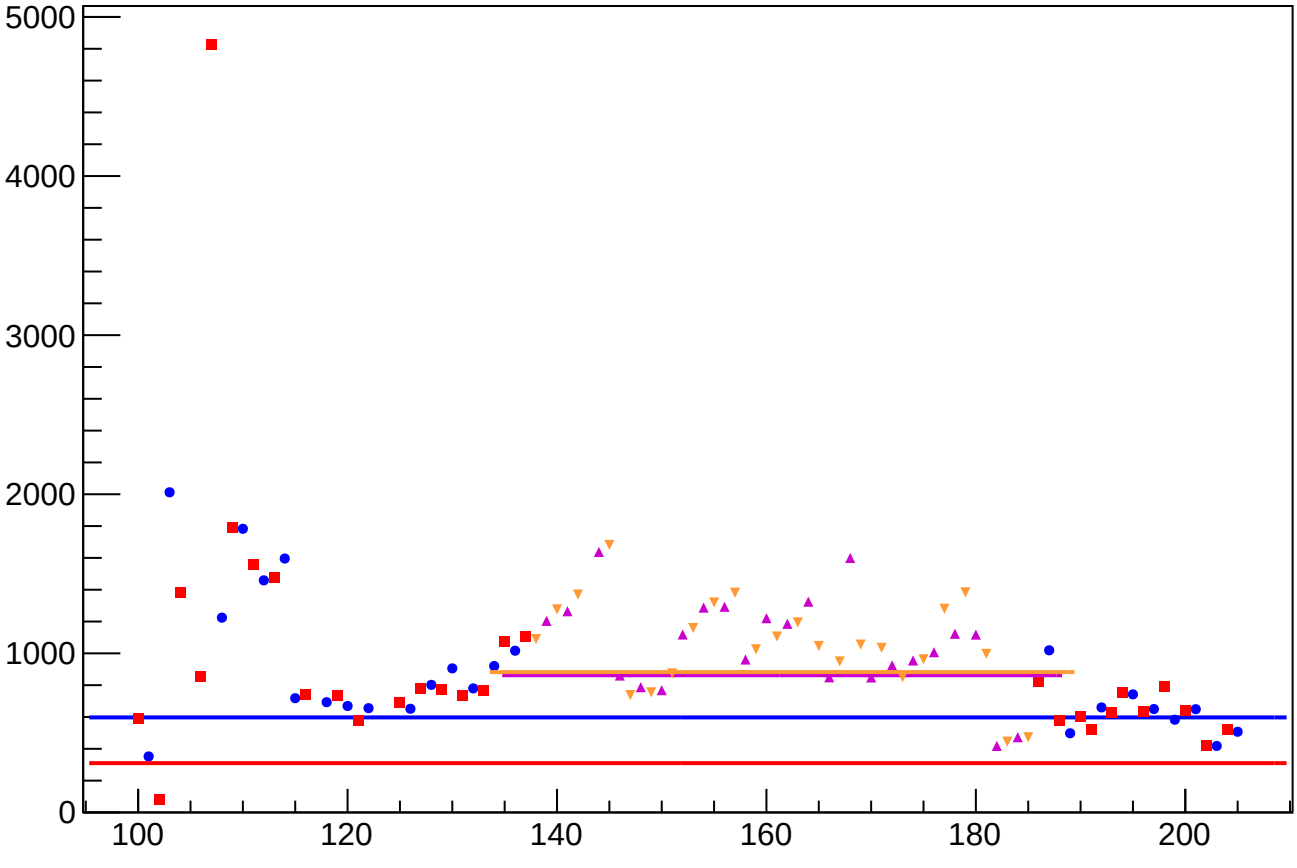
Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

Right: -143.899+/-96.557 χ^2/NDF: 65.9/53

In: -222.521+/-134.961 χ^2/NDF:44.8/47

Out: -116.740+/-102.724 χ^2/NDF:66.5/52

All: -155.543+/-81.740 χ^2/NDF: 111.7/100



Right In: 597.376+/-0.122 χ^2/NDF: 3393643.2/24

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 310.008+/-0.082 χ^2/NDF: 14304287.6/28

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

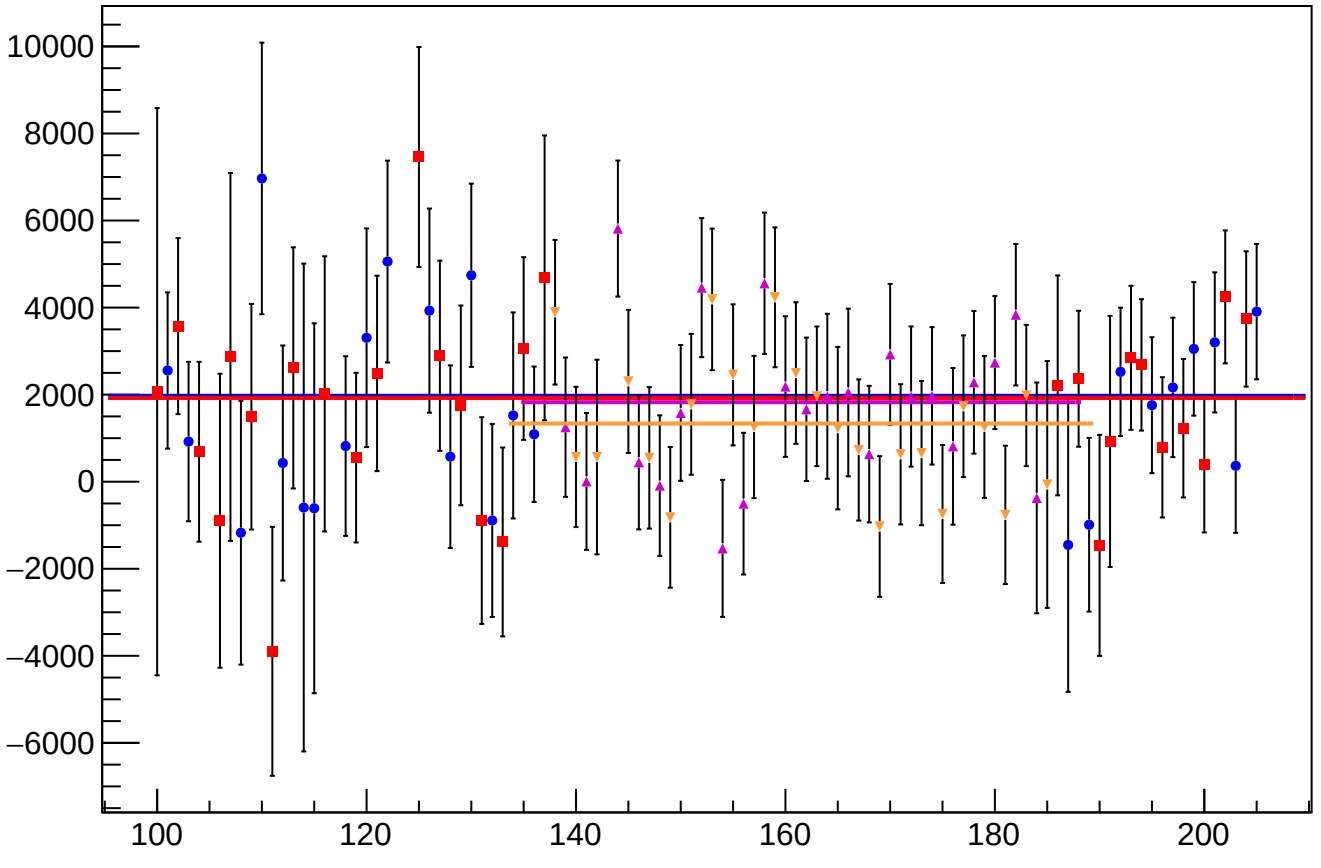
Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

Right: 399.662+/-0.068 χ^2/NDF: 21500421.1/53

In: 700.826+/-0.095 χ^2/NDF:9597255.0/47

Out: 436.679+/-0.073 χ^2/NDF:28907369.0/52

All: 533.574+/-0.058 χ^2/NDF: 43355610.3/10



Right In: 1973.397+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: 1923.967+/-390.525 χ^2/NDF: 24.2/28

Left In: 1826.644+/-343.483 χ^2/NDF:26.5/22

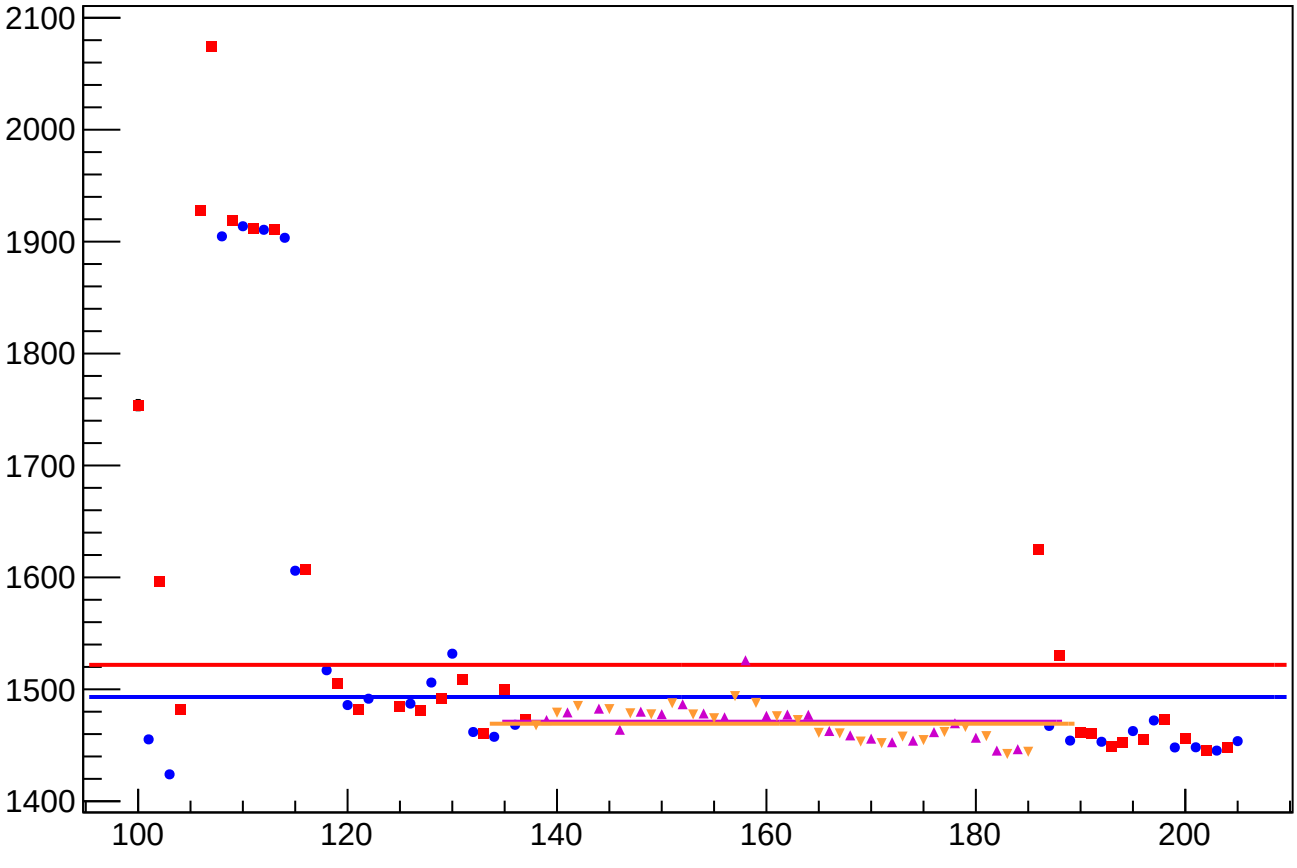
Left: 1580.064+/-242.001 χ^2/NDF: 46.7/46

Right: 1948.184+/-278.912 χ^2/NDF: 43.6/53

In: 1889.202+/-260.168 χ^2/NDF:45.9/47

Out: 1590.948+/-256.865 χ^2/NDF:44.7/52

All: 1738.170+/-182.787 χ^2/NDF: 91.2/100



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.5/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

Right Out: 1521.851+/-0.276 χ^2/NDF: 230772.6/28

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

Left: 1470.154+/-0.171 χ^2/NDF: 7825.0/46

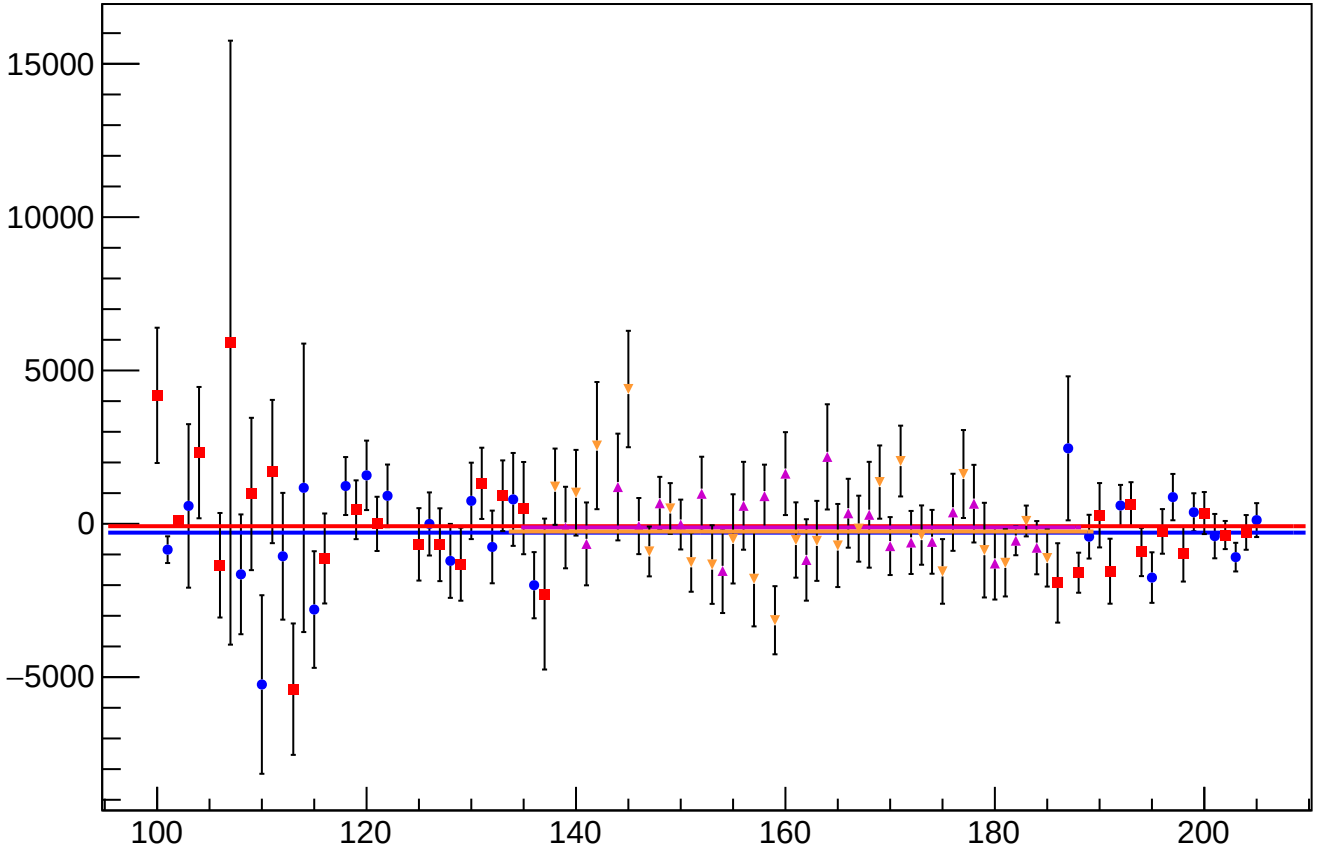
Right: 1507.784+/-0.197 χ^2/NDF: 385384.3/53

In: 1480.468+/-0.184 χ^2/NDF:157481.1/47

Out: 1492.016+/-0.182 χ^2/NDF:254502.0/52

All: 1486.316+/-0.129 χ^2/NDF: 413978.6/100

asym_usl_atl1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -288.301+/-172.870 χ^2/NDF: 31.6/24

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -78.419+/-116.409 χ^2/NDF: 33.3/28

Left In: -119.845+/-215.975 χ^2/NDF:12.8/22

Left: -184.992+/-153.556 χ^2/NDF: 45.7/46

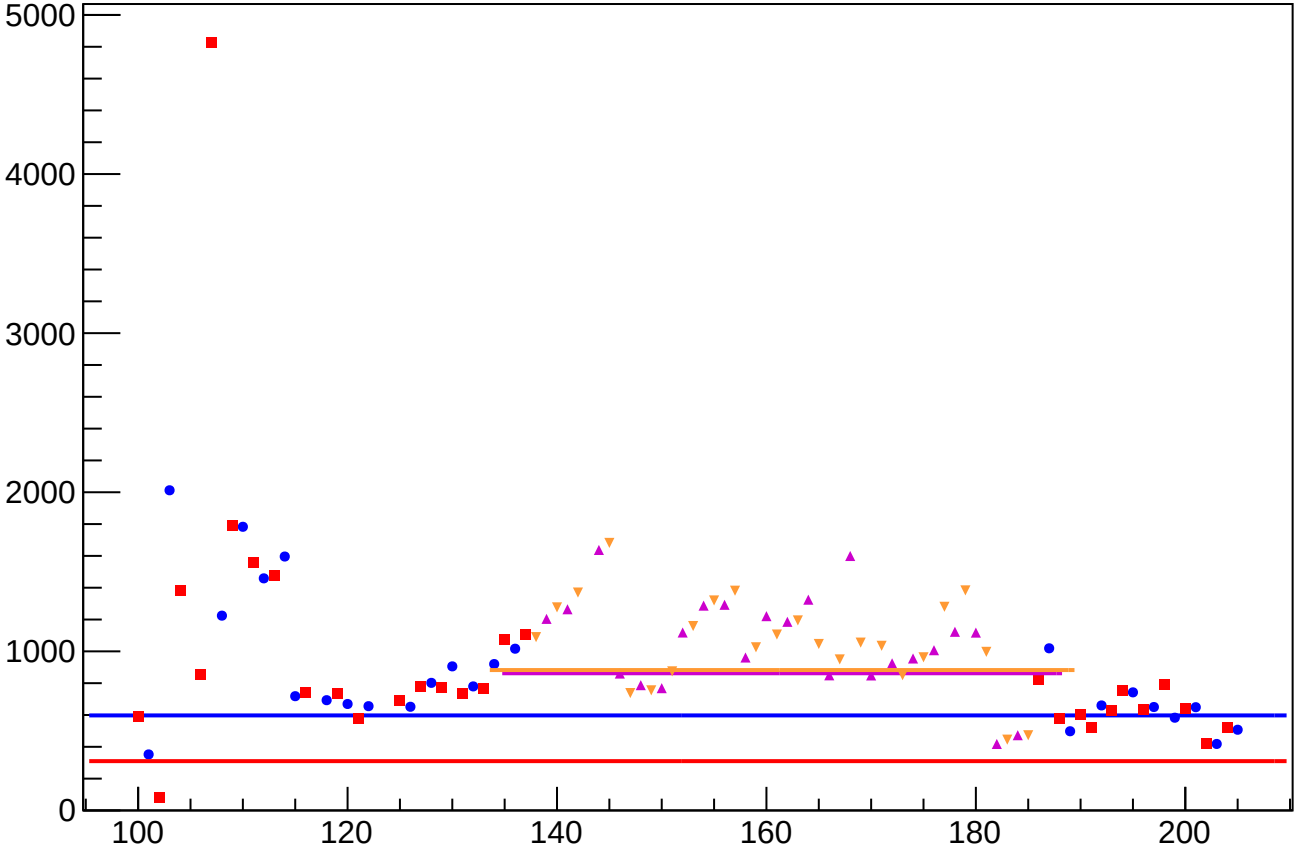
Right: -143.899+/-96.557 χ^2/NDF: 65.9/53

In: -222.521+/-134.961 χ^2/NDF:44.8/47

Out: -116.740+/-102.724 χ^2/NDF:66.5/52

All: -155.543+/-81.740 χ^2/NDF: 111.7/100

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 597.376+/-0.122 χ^2/NDF: 3393643.2/24

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 310.008+/-0.082 χ^2/NDF: 14304287.6/28

Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

Left: 872.249+/-0.109 χ^2/NDF: 8279630.1/46

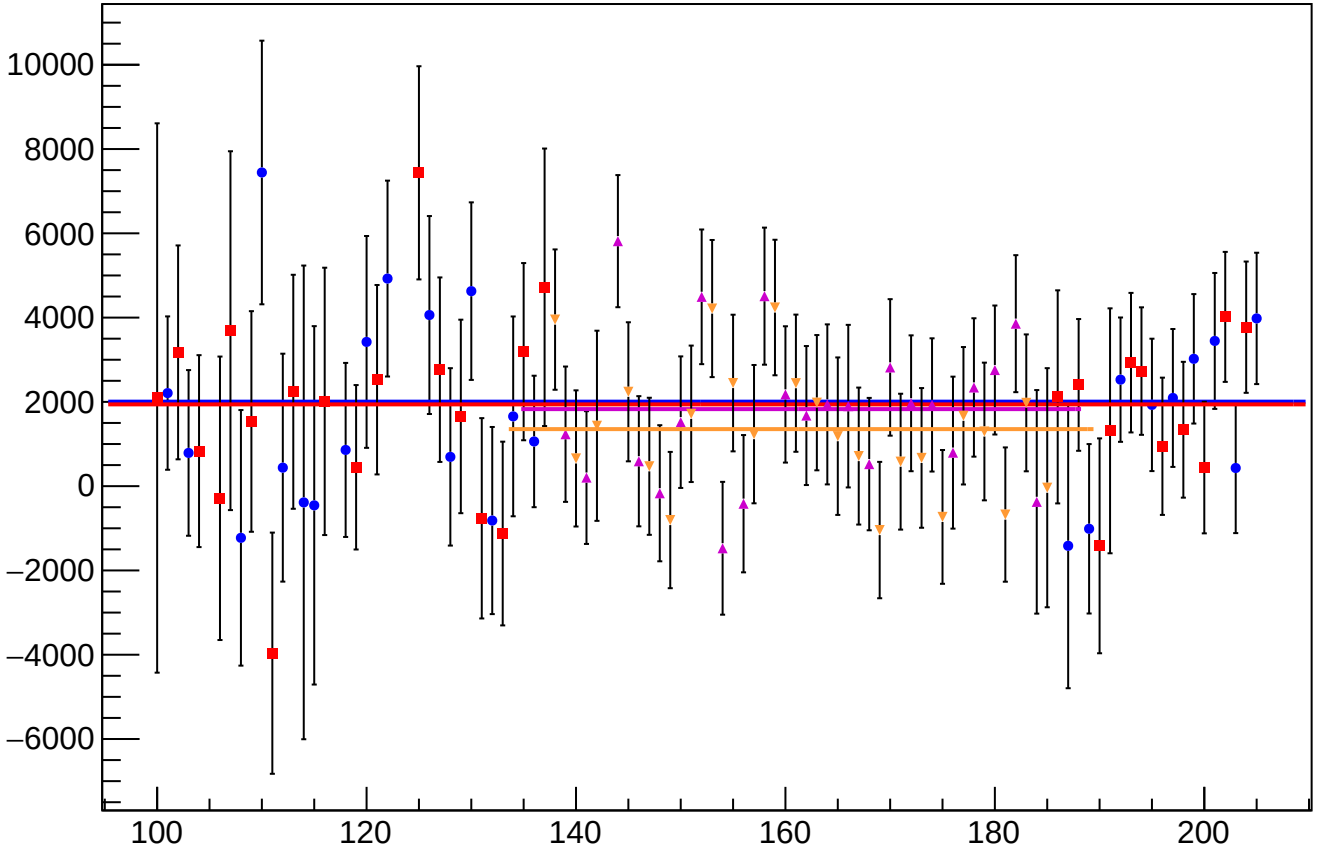
Right: 399.662+/-0.068 χ^2/NDF: 21500421.1/53

In: 700.826+/-0.095 χ^2/NDF:9597255.0/47

Out: 436.679+/-0.073 χ^2/NDF:28907369.0/52

All: 533.574+/-0.058 χ^2/NDF: 43355610.3/10

dit_asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2005.446+/-401.319 χ^2/NDF: 19.6/24

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: 1940.869+/-395.973 χ^2/NDF: 22.4/28

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

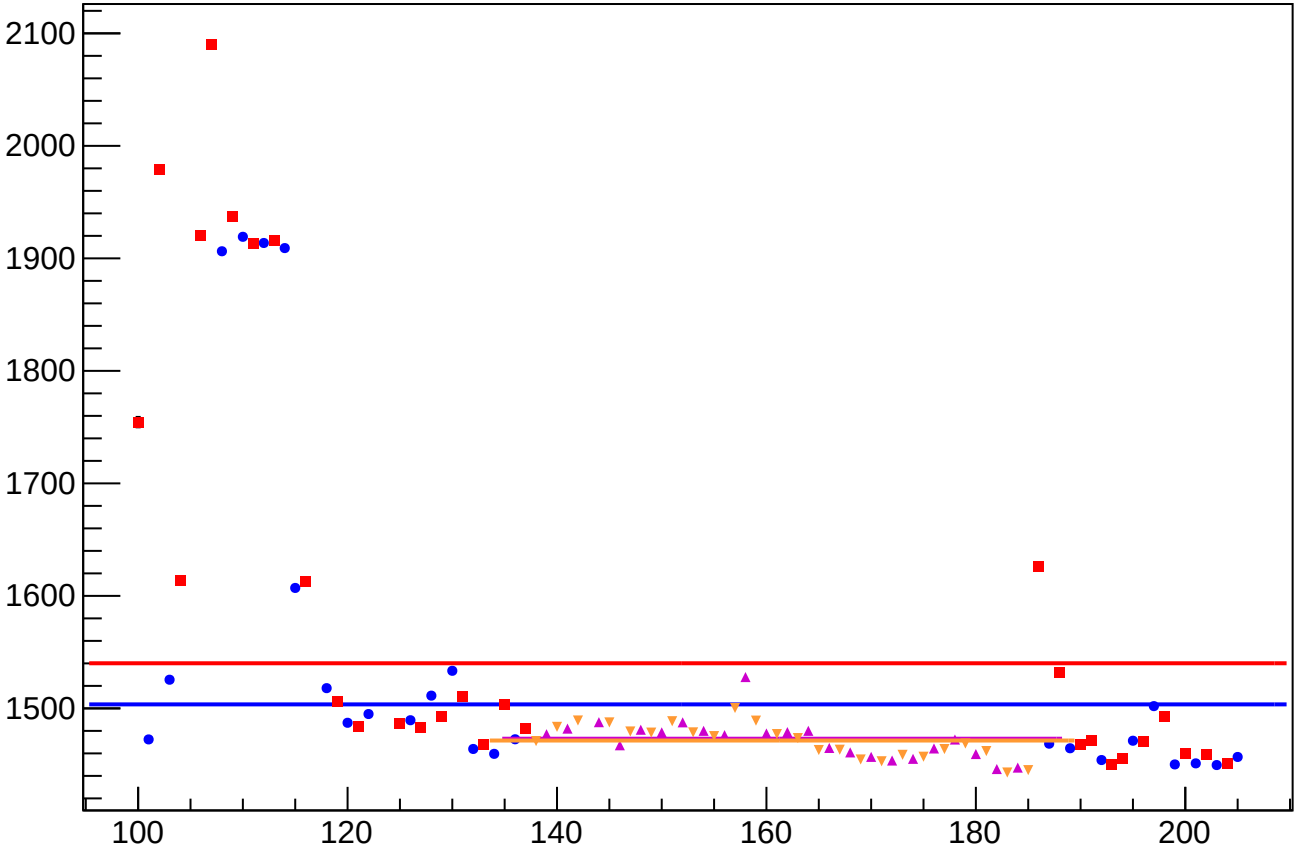
Right: 1972.724+/-281.866 χ^2/NDF: 42.0/53

In: 1903.289+/-261.159 χ^2/NDF:45.5/47

Out: 1604.199+/-258.639 χ^2/NDF:42.6/52

All: 1752.294+/-183.770 χ^2/NDF: 88.8/100

dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1503.562+/-0.284 χ^2/NDF: 144659.7/24

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1540.109+/-0.280 χ^2/NDF: 289487.9/28

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

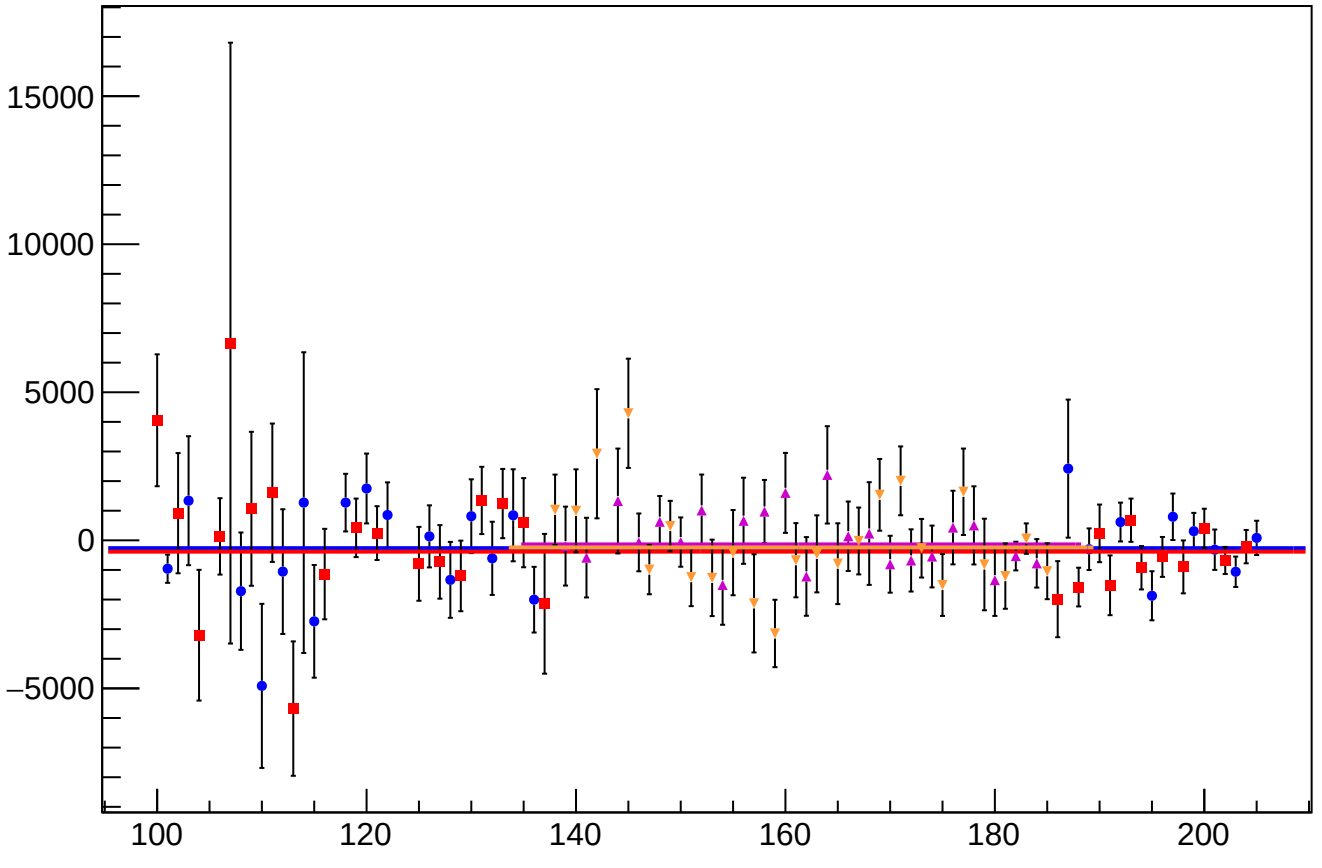
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1522.080+/-0.199 χ^2/NDF: 442551.8/53

In: 1485.971+/-0.185 χ^2/NDF:156076.7/47

Out: 1500.735+/-0.183 χ^2/NDF:327414.1/52

All: 1493.424+/-0.130 χ^2/NDF: 486717.8/100



Right In: -264.942+/-178.595 χ^2/NDF: 31.4/24

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -381.559+/-179.697 χ^2/NDF: 32.0/28

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

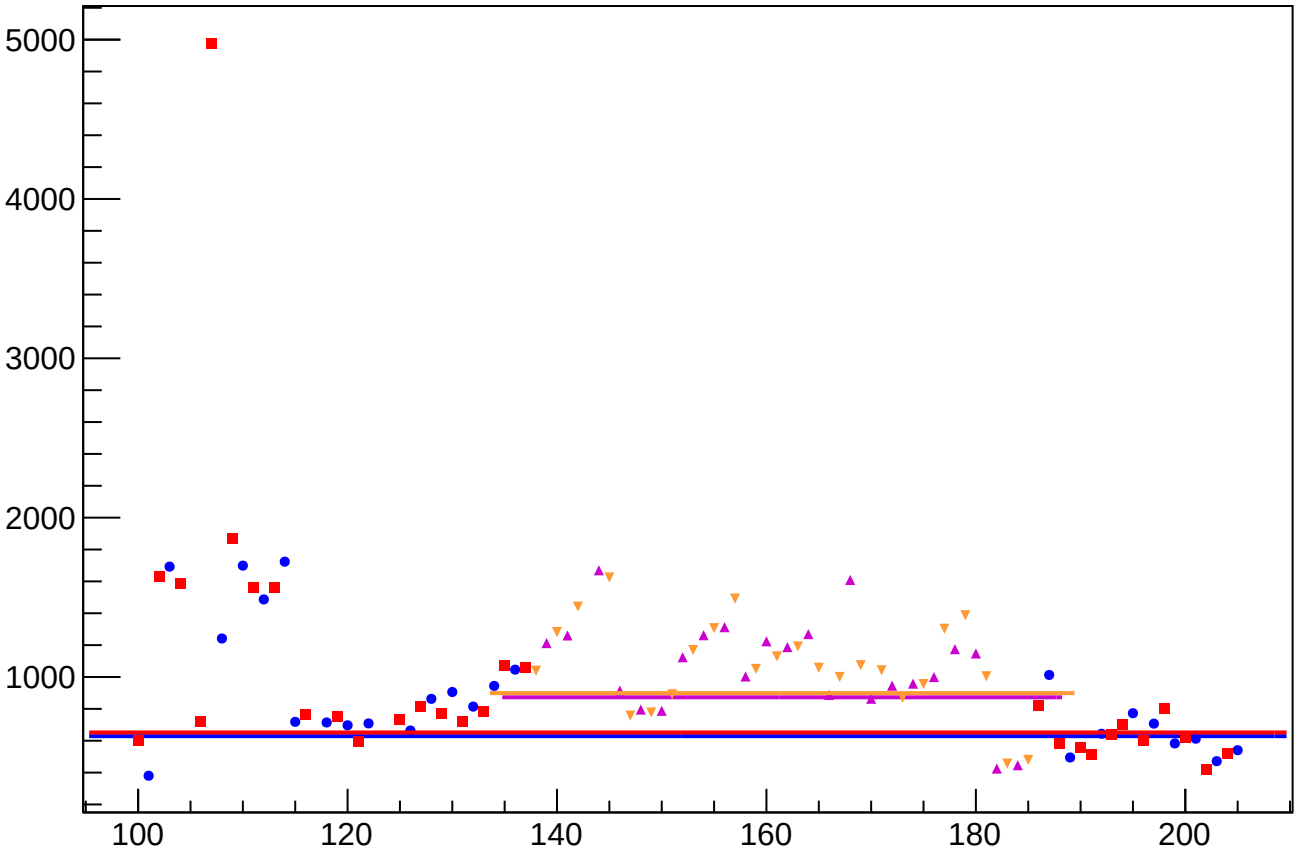
Left: -188.579+/-155.644 χ^2/NDF: 45.5/46

Right: -322.892+/-126.674 χ^2/NDF: 63.6/53

In: -214.263+/-138.275 χ^2/NDF:44.6/47

Out: -325.564+/-139.621 χ^2/NDF:64.7/52

All: -269.374+/-98.248 χ^2/NDF: 109.6/100



Right In: 628.568+/-0.126 χ^2/NDF: 3004974.4/24

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 651.981+/-0.127 χ^2/NDF: 3447655.7/28

Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

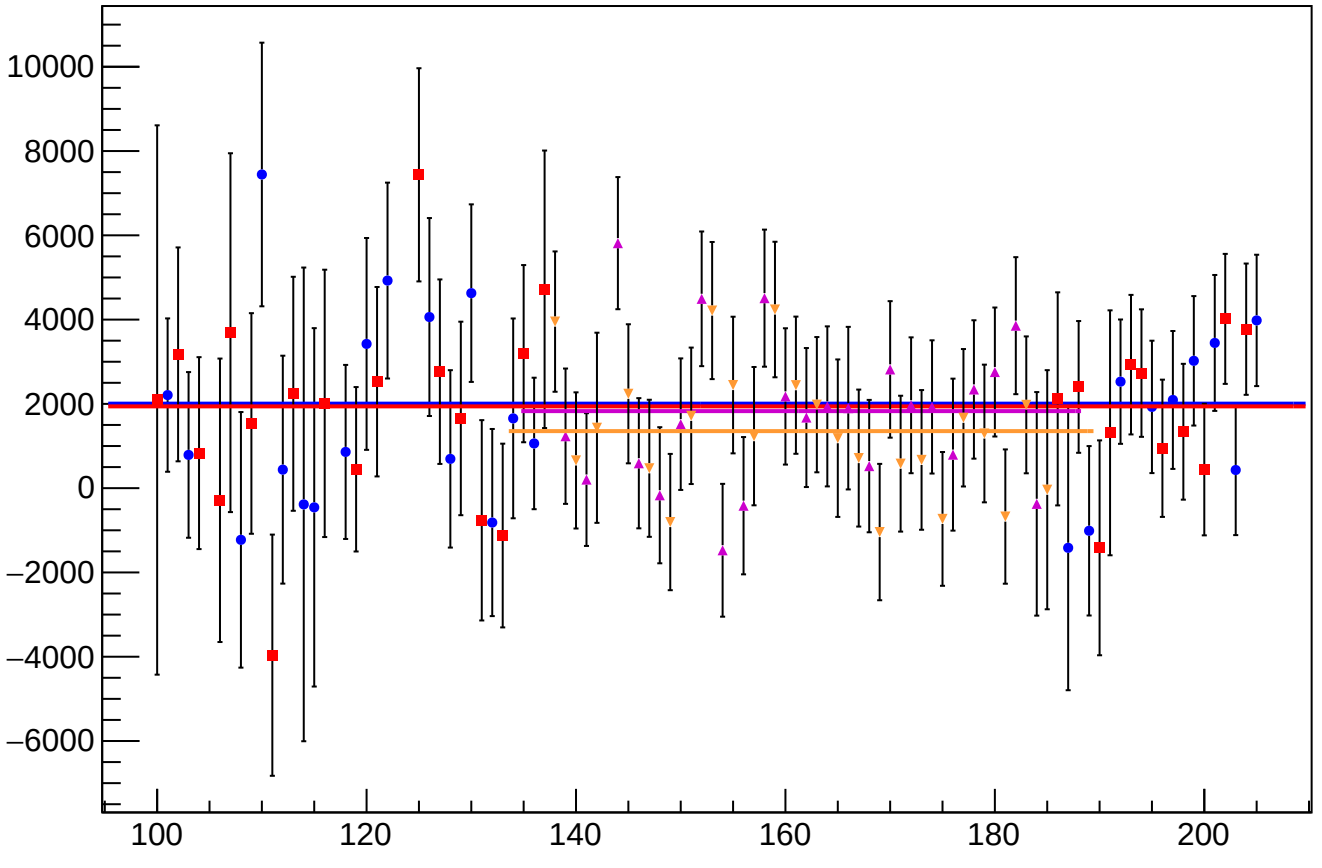
Left: 885.462+/-0.110 χ^2/NDF: 8241401.5/46

Right: 640.202+/-0.090 χ^2/NDF: 6469710.1/53

In: 726.267+/-0.098 χ^2/NDF:8934655.6/47

Out: 749.815+/-0.099 χ^2/NDF:8735092.7/52

All: 737.927+/-0.069 χ^2/NDF: 17698471.2/10



Right In: 2005.445+/-401.319 χ^2/NDF: 19.6/24

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: 1940.867+/-395.973 χ^2/NDF: 22.4/28

Left In: 1828.250+/-343.952 χ^2/NDF:25.8/22

Left: 1589.318+/-242.364 χ^2/NDF: 45.7/46

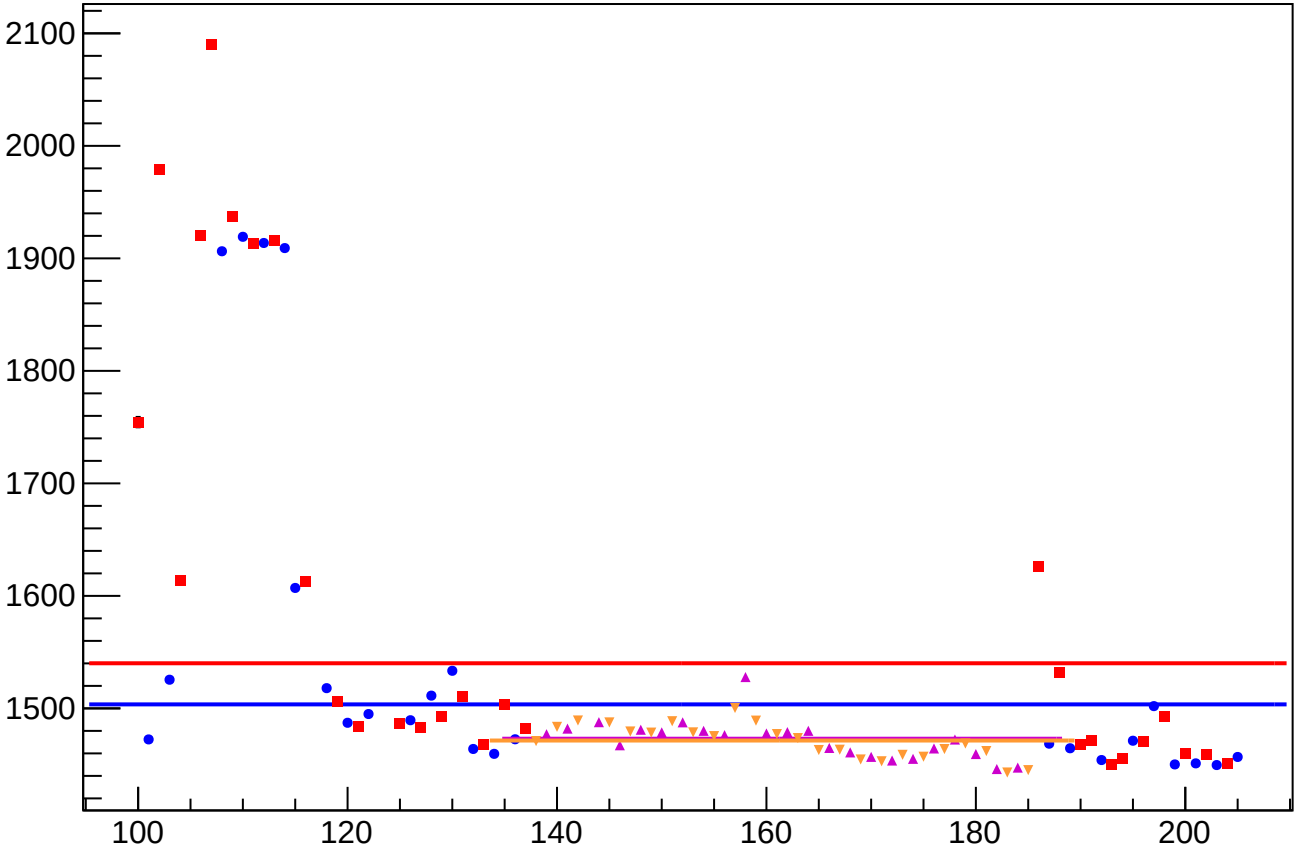
Right: 1972.723+/-281.866 χ^2/NDF: 42.0/53

In: 1903.289+/-261.159 χ^2/NDF:45.5/47

Out: 1604.198+/-258.639 χ^2/NDF:42.6/52

All: 1752.293+/-183.770 χ^2/NDF: 88.8/100

eigen_dit_asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1503.562+/-0.284 χ^2/NDF: 144659.7/24

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1540.108+/-0.280 χ^2/NDF: 289487.5/28

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

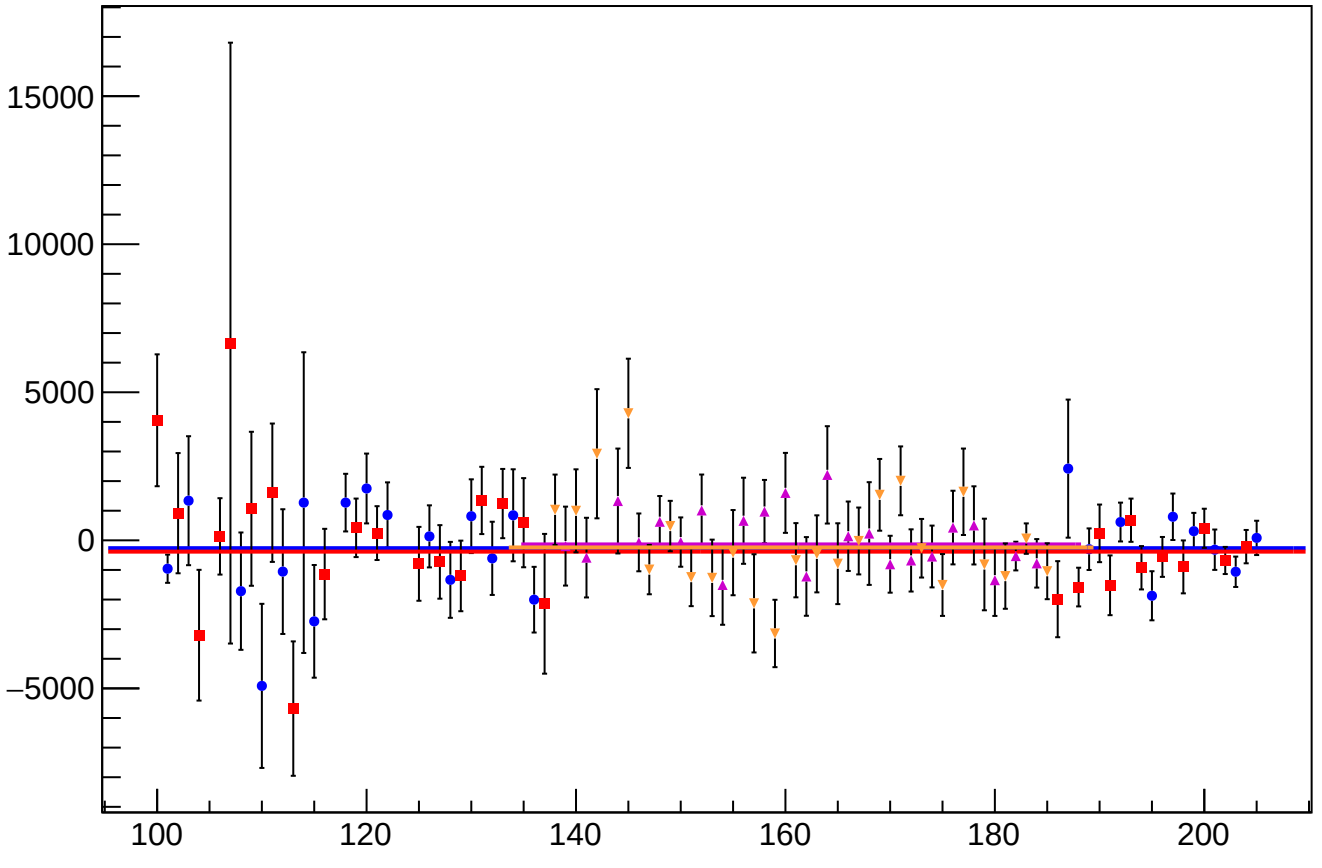
Left: 1472.237+/-0.171 χ^2/NDF: 8210.2/46

Right: 1522.080+/-0.199 χ^2/NDF: 442551.3/53

In: 1485.970+/-0.185 χ^2/NDF:156076.6/47

Out: 1500.735+/-0.183 χ^2/NDF:327413.6/52

All: 1493.424+/-0.130 χ^2/NDF: 486717.2/100



Right In: -264.942+/-178.595 χ^2/NDF: 31.4/24

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -381.558+/-179.697 χ^2/NDF: 32.0/28

Left In: -138.421+/-218.478 χ^2/NDF:13.0/22

Left: -188.580+/-155.644 χ^2/NDF: 45.5/46

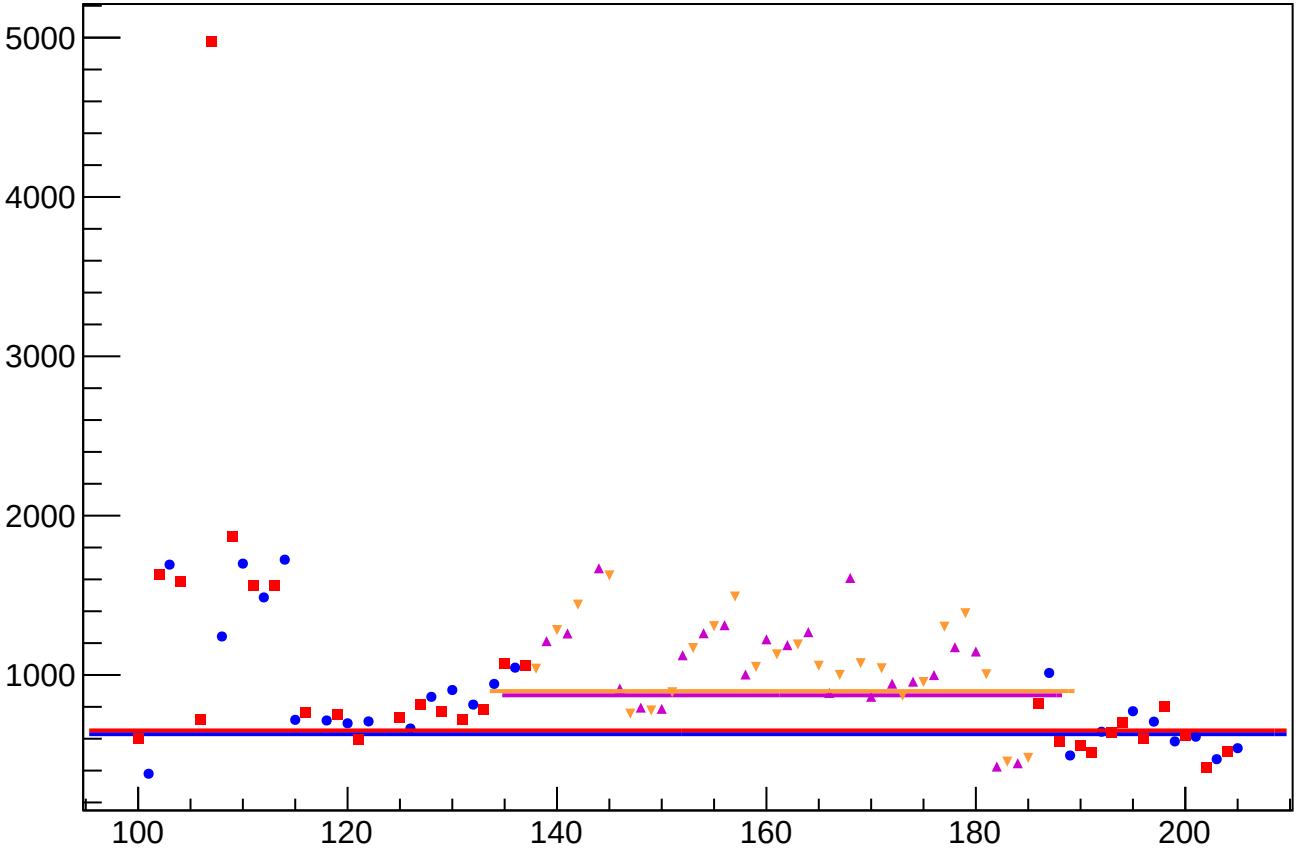
Right: -322.892+/-126.674 χ^2/NDF: 63.6/53

In: -214.263+/-138.275 χ^2/NDF:44.6/47

Out: -325.565+/-139.621 χ^2/NDF:64.7/52

All: -269.375+/-98.248 χ^2/NDF: 109.6/100

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 628.568+/-0.126 χ^2/NDF: 3004967.6/24

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 651.981+/-0.127 χ^2/NDF: 3447653.1/28

Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

Left: 885.463+/-0.110 χ^2/NDF: 8241417.9/46

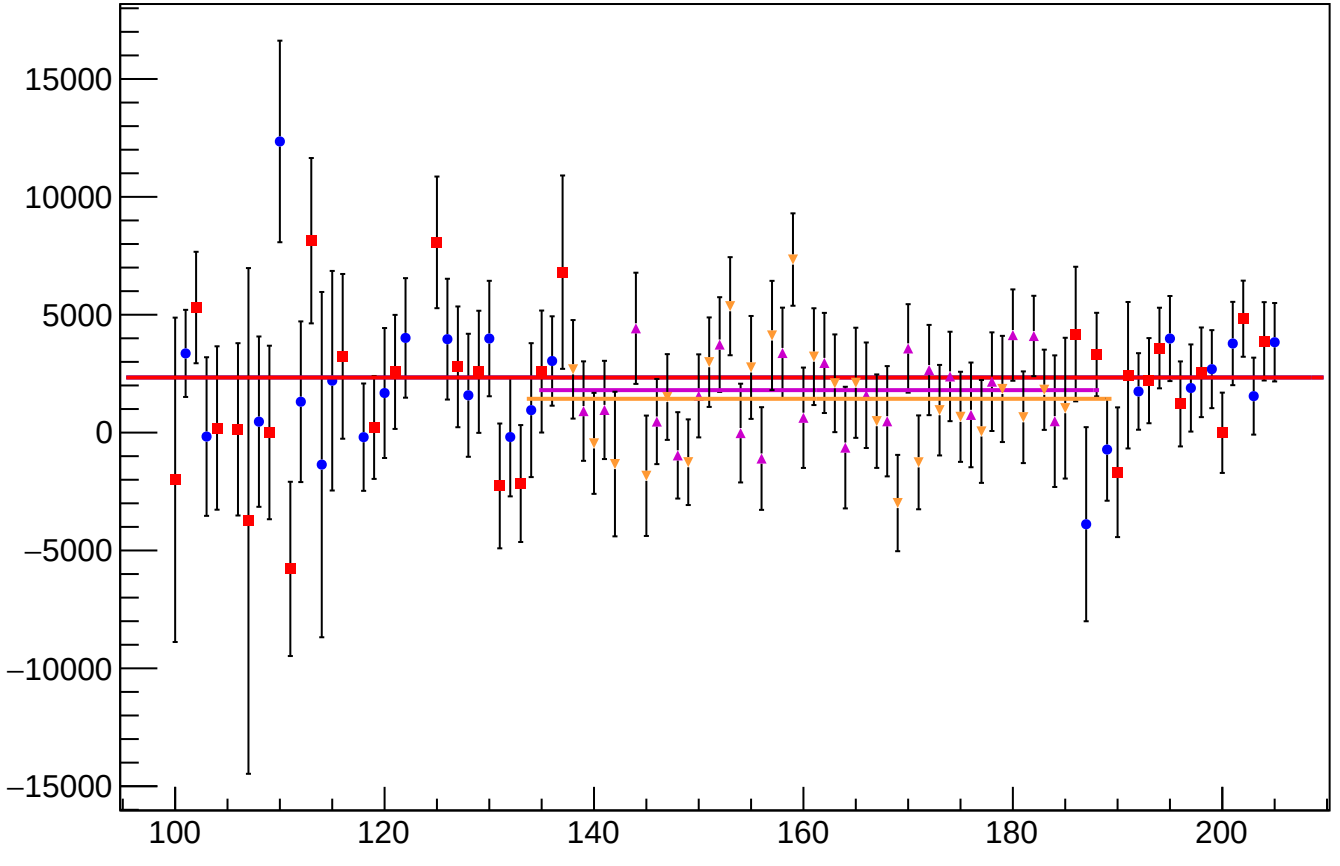
Right: 640.202+/-0.090 χ^2/NDF: 6469700.5/53

In: 726.267+/-0.098 χ^2/NDF:8934663.4/47

Out: 749.816+/-0.099 χ^2/NDF:8735107.1/52

All: 737.927+/-0.069 χ^2/NDF: 17698493.0/10

asym_usl_atl1_avg_mean vs Slug, Sign Corrected



Right In: 2340.325+/-454.464 χ^2/NDF: 18.1/24

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: 2336.628+/-447.122 χ^2/NDF: 32.7/28

Left In: 1801.543+/-426.483 χ^2/NDF:15.3/22

Left: 1616.556+/-300.853 χ^2/NDF: 45.1/46

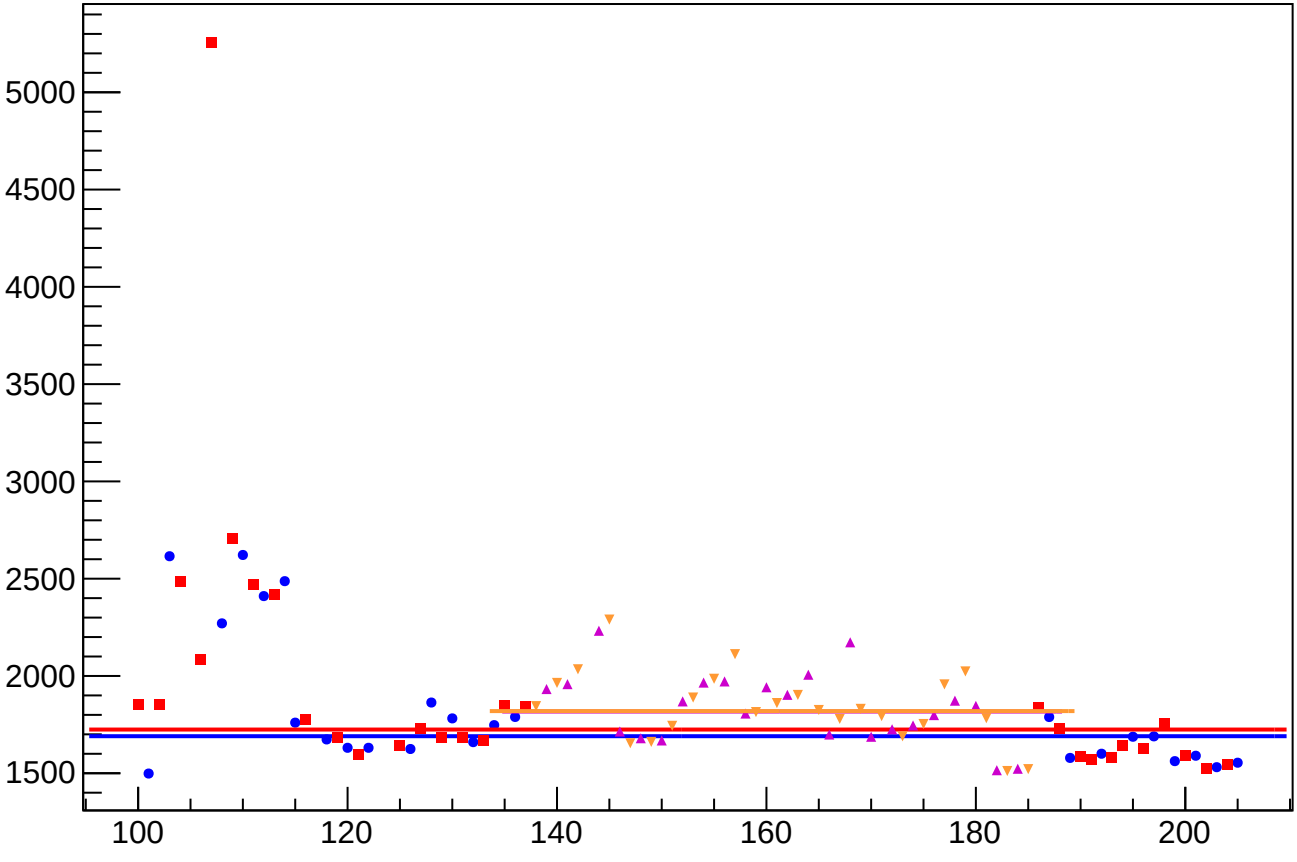
Right: 2338.446+/-318.727 χ^2/NDF: 50.8/53

In: 2053.838+/-310.990 χ^2/NDF:34.1/47

Out: 1861.505+/-307.840 χ^2/NDF:64.3/52

All: 1956.692+/-218.781 χ^2/NDF: 98.6/100

asym_usl_atl1_avg_rms vs Slug, Sign Corrected



Right In: 1690.392+/-0.321 χ^2/NDF: 517792.9/24

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1724.611+/-0.316 χ^2/NDF: 760670.0/28

Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

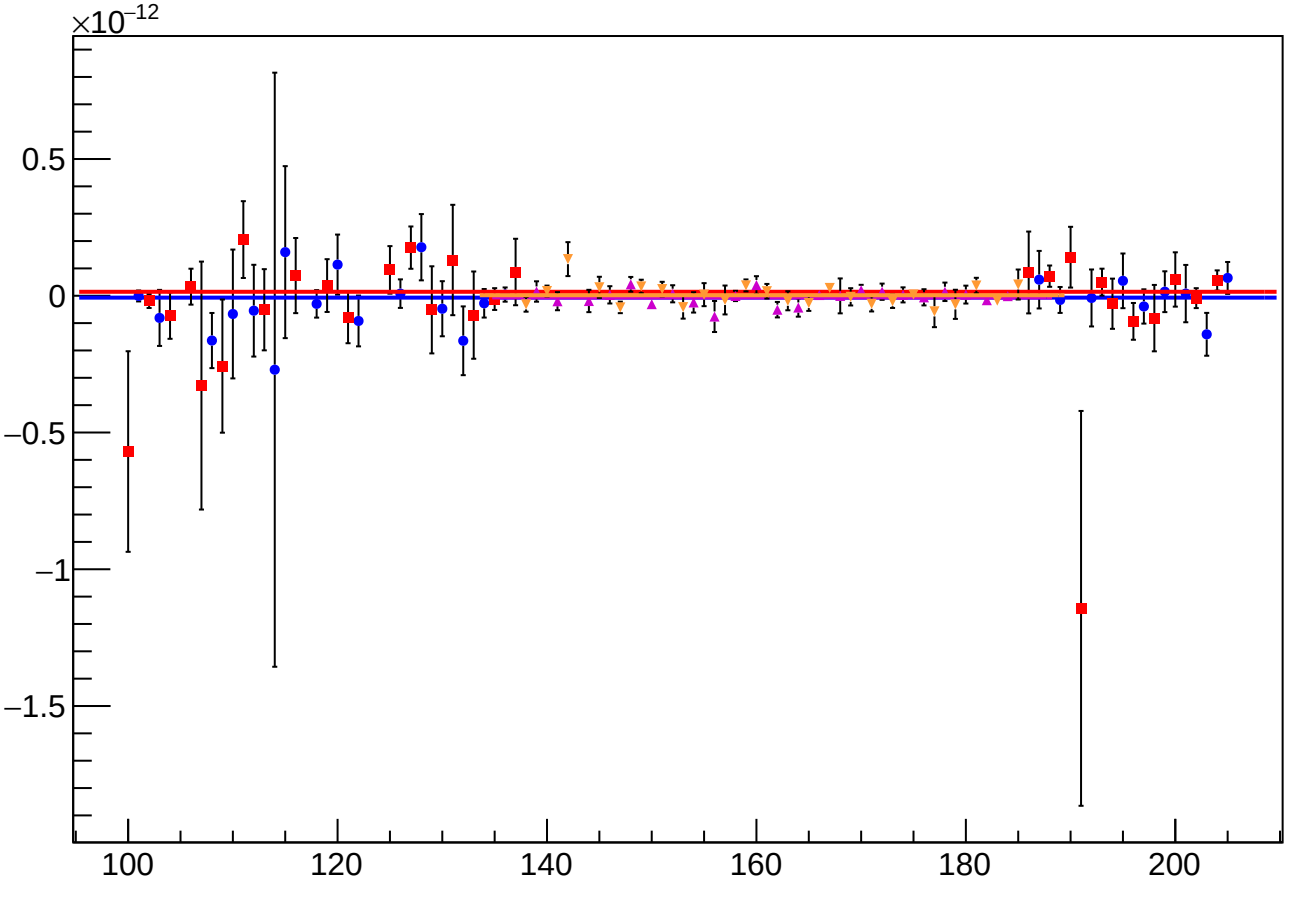
Left: 1818.285+/-0.213 χ^2/NDF: 602146.8/46

Right: 1707.780+/-0.225 χ^2/NDF: 1284224.6/53

In: 1757.789+/-0.220 χ^2/NDF:907617.2/47

Out: 1774.477+/-0.218 χ^2/NDF:1102980.6/52

All: 1766.218+/-0.155 χ^2/NDF: 2013506.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/28

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

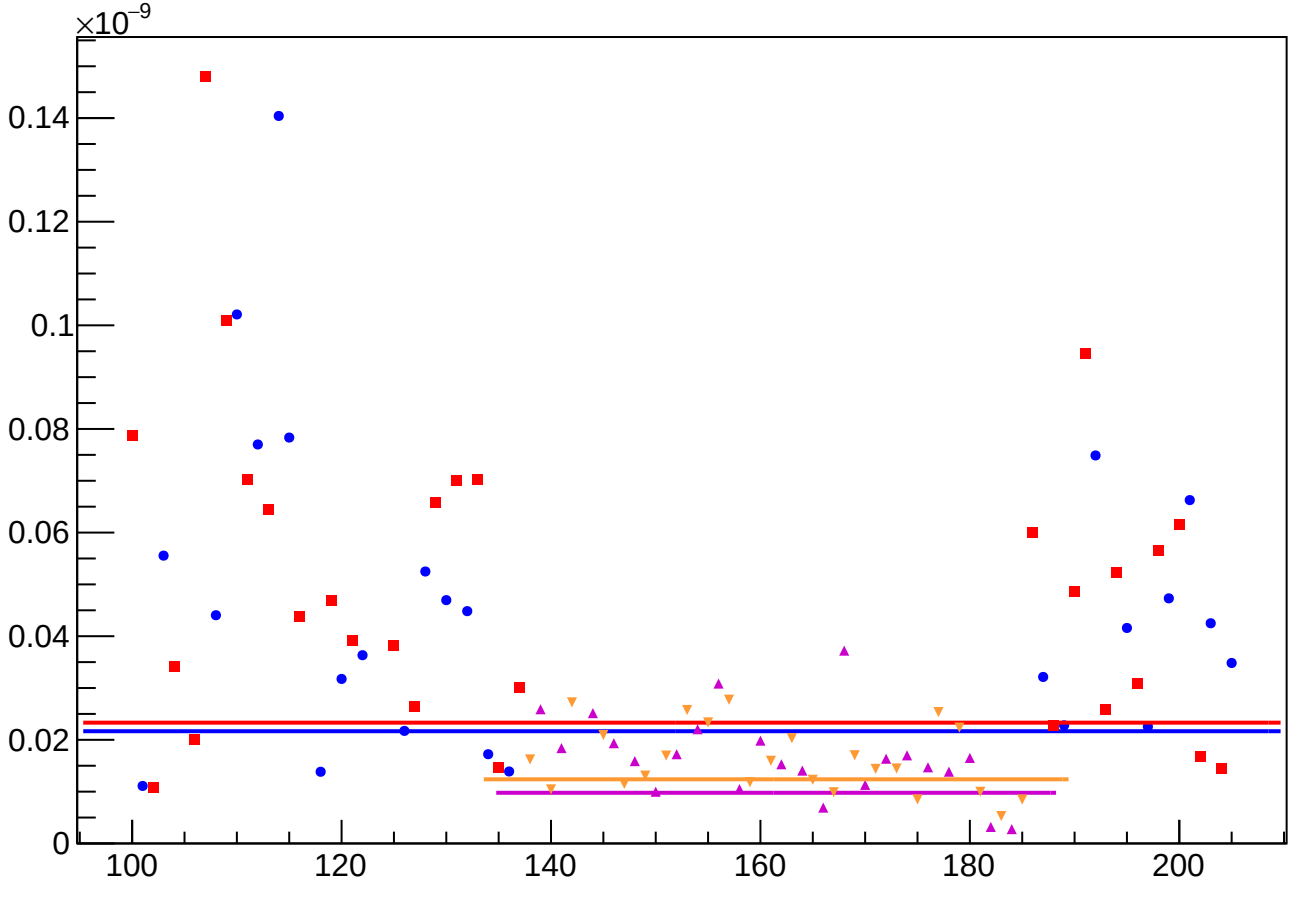
Left: -0.000+/-0.000 χ^2/NDF: 48.5/46

Right: 0.000+/-0.000 χ^2/NDF: 46.8/53

In: -0.000+/-0.000 χ^2/NDF:33.8/47

Out: 0.000+/-0.000 χ^2/NDF:59.6/52

All: -0.000+/-0.000 χ^2/NDF: 95.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 3512038.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3210960.6/28

Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

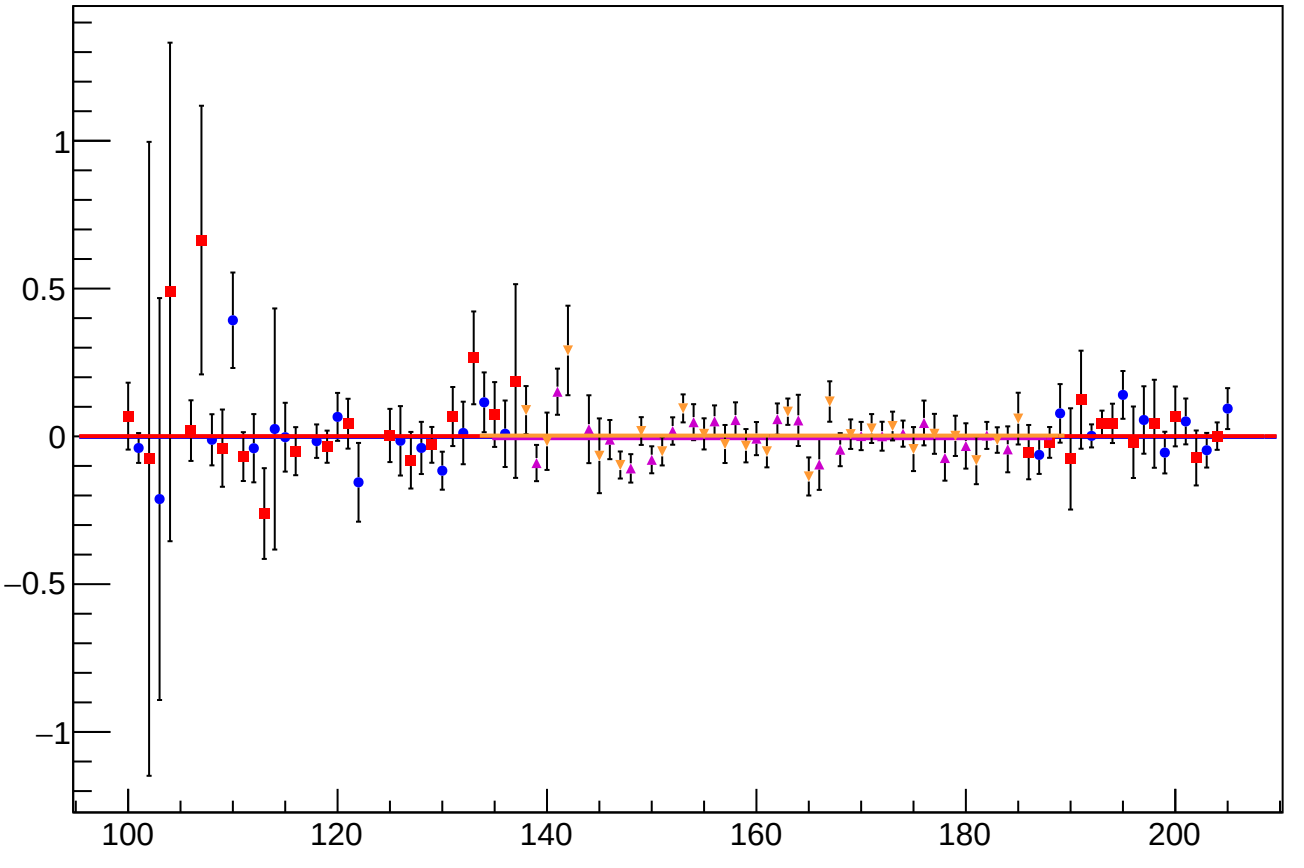
Left: 0.000+/-0.000 χ^2/NDF: 6671683.2/46

Right: 0.000+/-0.000 χ^2/NDF: 6742149.2/53

In: 0.000+/-0.000 χ^2/NDF:9837707.3/47

Out: 0.000+/-0.000 χ^2/NDF:6440751.9/52

All: 0.000+/-0.000 χ^2/NDF: 16612946.9/100



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

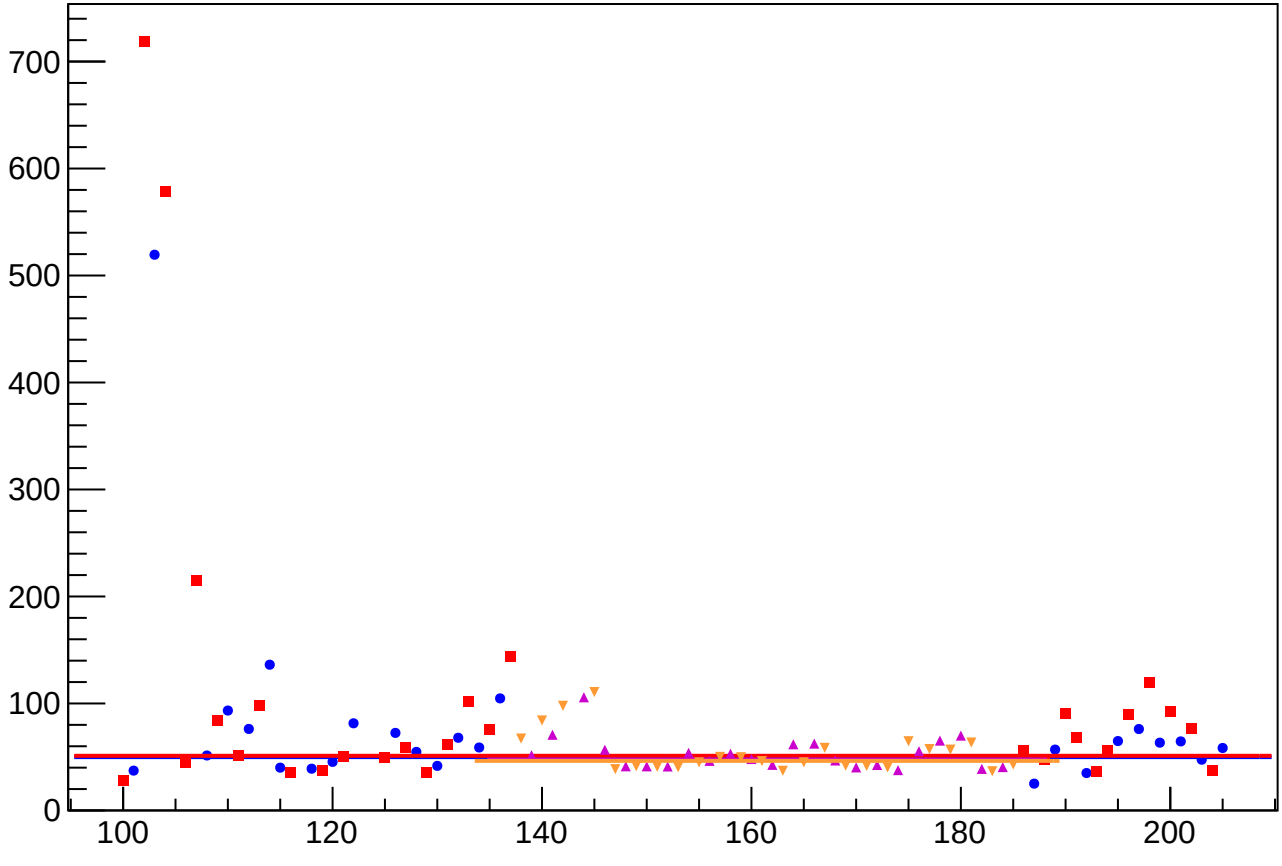
Right: -0.001+/-0.011 χ^2/NDF: 38.5/53

In: -0.005+/-0.010 χ^2/NDF:43.6/47

Out: 0.002+/-0.010 χ^2/NDF:46.4/52

All: -0.001+/-0.007 χ^2/NDF: 90.2/100

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.866+/-0.011 χ^2/NDF: 3240322.2/24

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.080+/-0.011 χ^2/NDF: 4728622.8/28

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

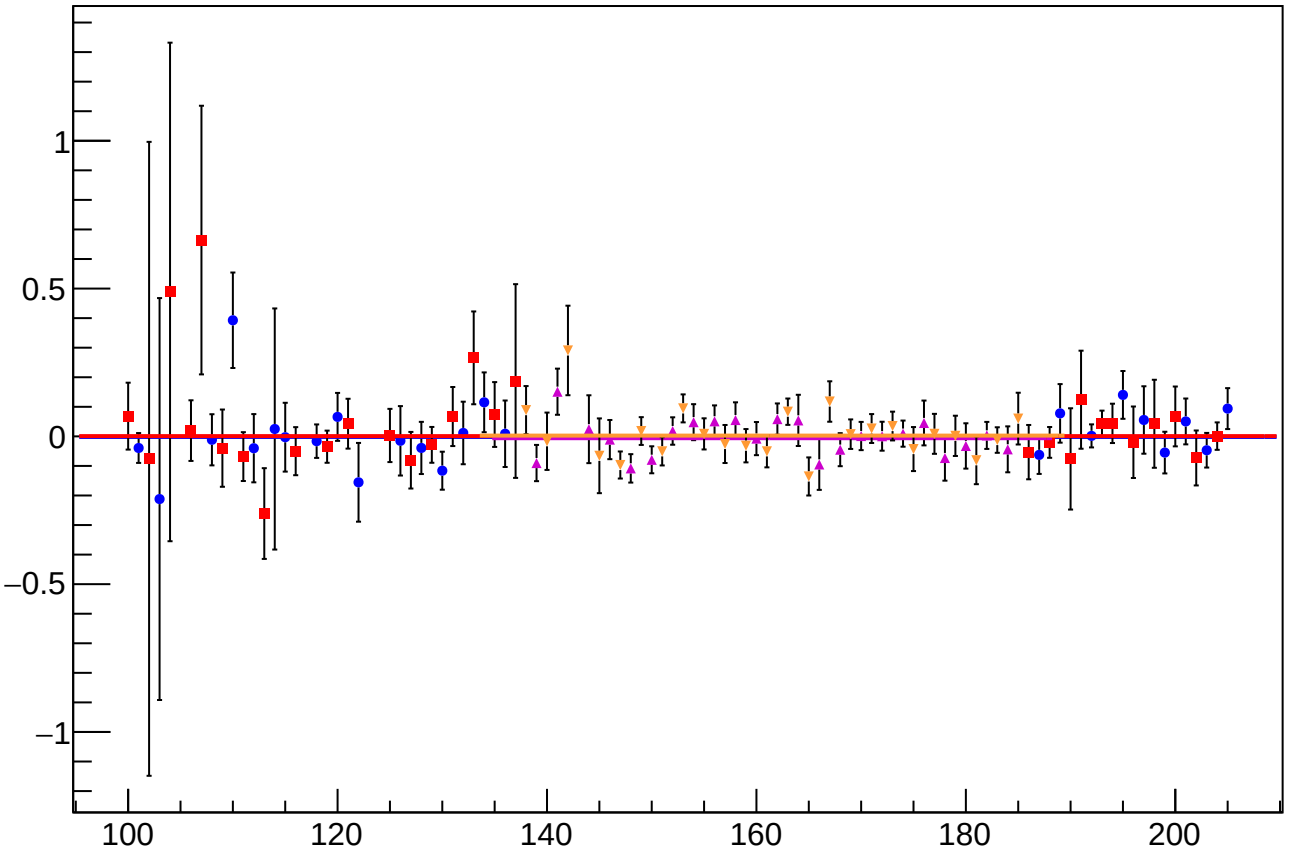
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.461+/-0.008 χ^2/NDF: 7974792.4/53

In: 48.431+/-0.007 χ^2/NDF:4843151.2/47

Out: 48.033+/-0.007 χ^2/NDF:6808563.5/52

All: 48.230+/-0.005 χ^2/NDF: 11653440.7/100



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

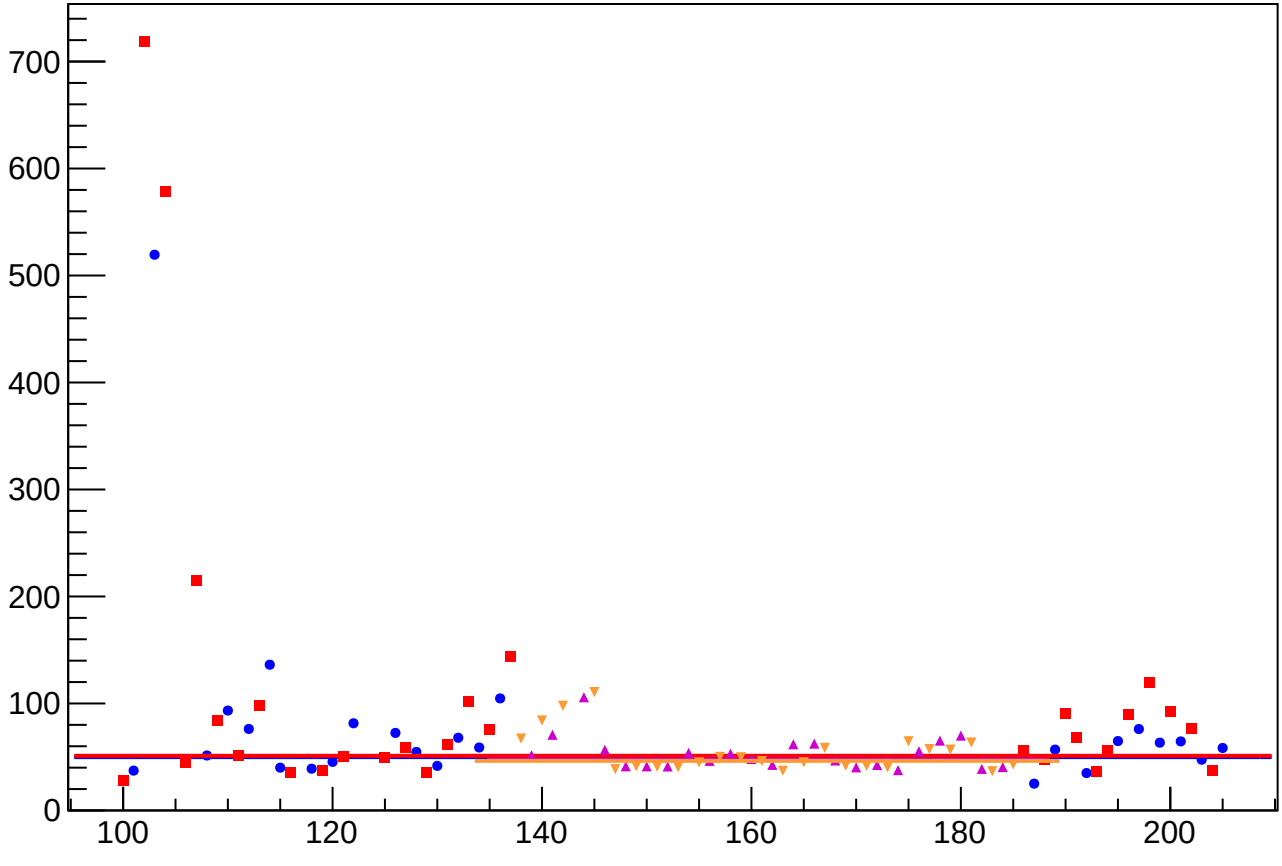
Right: -0.001+/-0.011 χ^2/NDF: 38.5/53

In: -0.005+/-0.010 χ^2/NDF:43.6/47

Out: 0.002+/-0.010 χ^2/NDF:46.4/52

All: -0.001+/-0.007 χ^2/NDF: 90.2/100

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.866+/-0.011 χ^2/NDF: 3240322.2/24

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.080+/-0.011 χ^2/NDF: 4728622.8/28

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

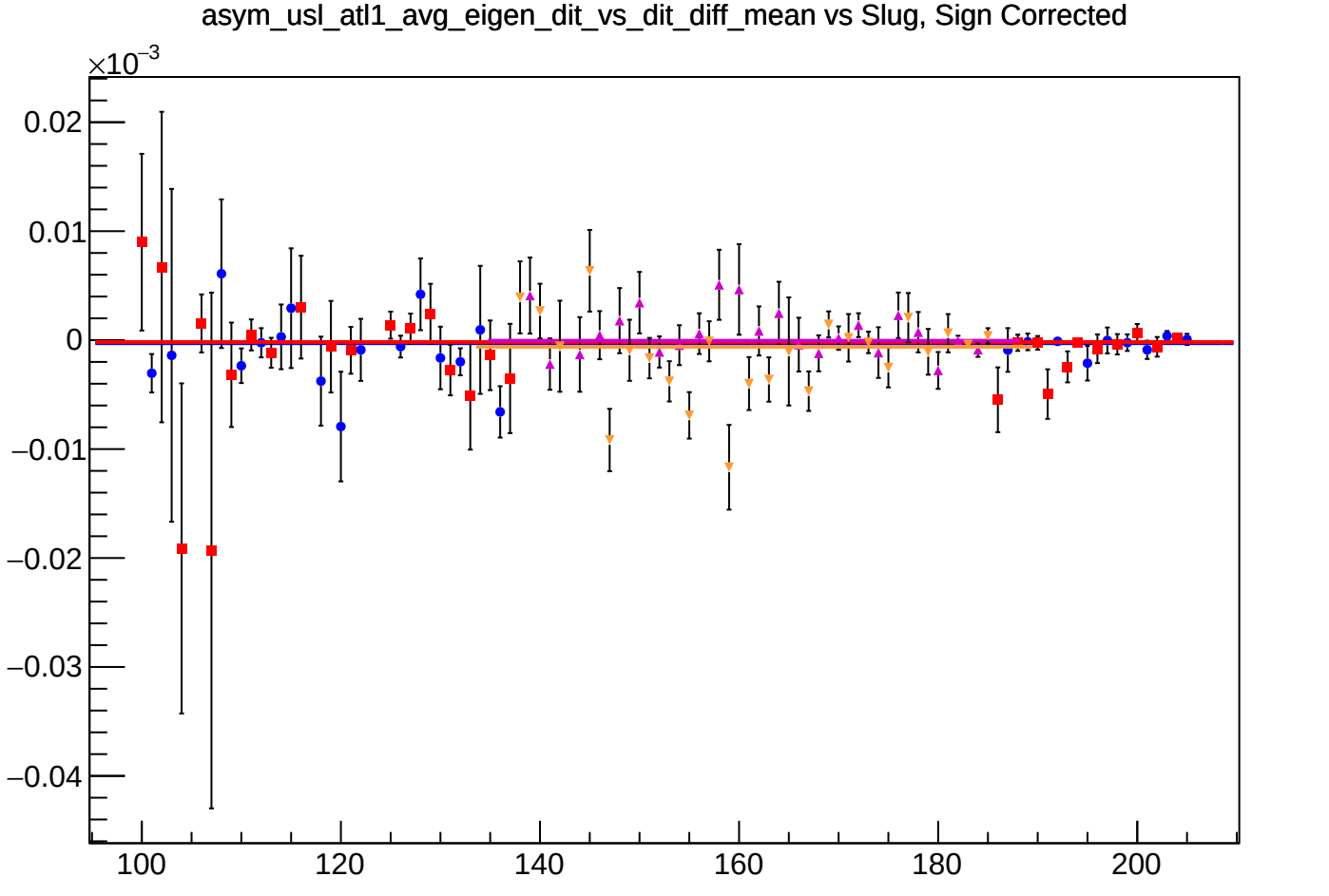
Left: 46.952+/-0.006 χ^2/NDF: 3554287.7/46

Right: 50.461+/-0.008 χ^2/NDF: 7974792.4/53

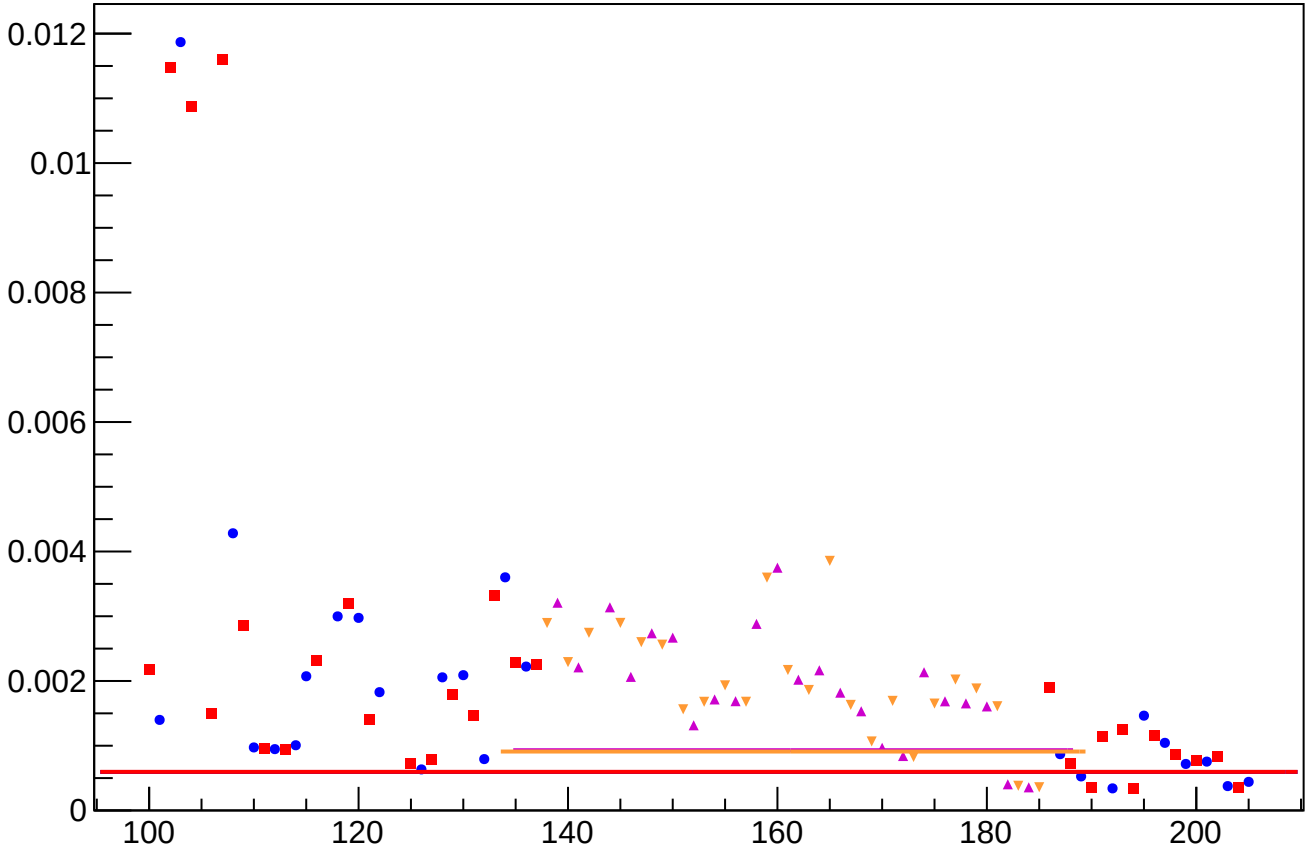
In: 48.431+/-0.007 χ^2/NDF:4843151.2/47

Out: 48.033+/-0.007 χ^2/NDF:6808563.5/52

All: 48.230+/-0.005 χ^2/NDF: 11653440.7/100


asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.6/24
Left Out: -0.000+/-0.000 χ²/NDF:54.0/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.7/28
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: 49.4/53
In: -0.000+/-0.000 χ²/NDF:42.9/47
Out: -0.000+/-0.000 χ²/NDF:80.2/52
All: -0.000+/-0.000 χ²/NDF: 123.3/100

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8978186.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10655011.2/28

Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

Left: 0.001+/-0.000 χ^2/NDF: 27833708.7/46

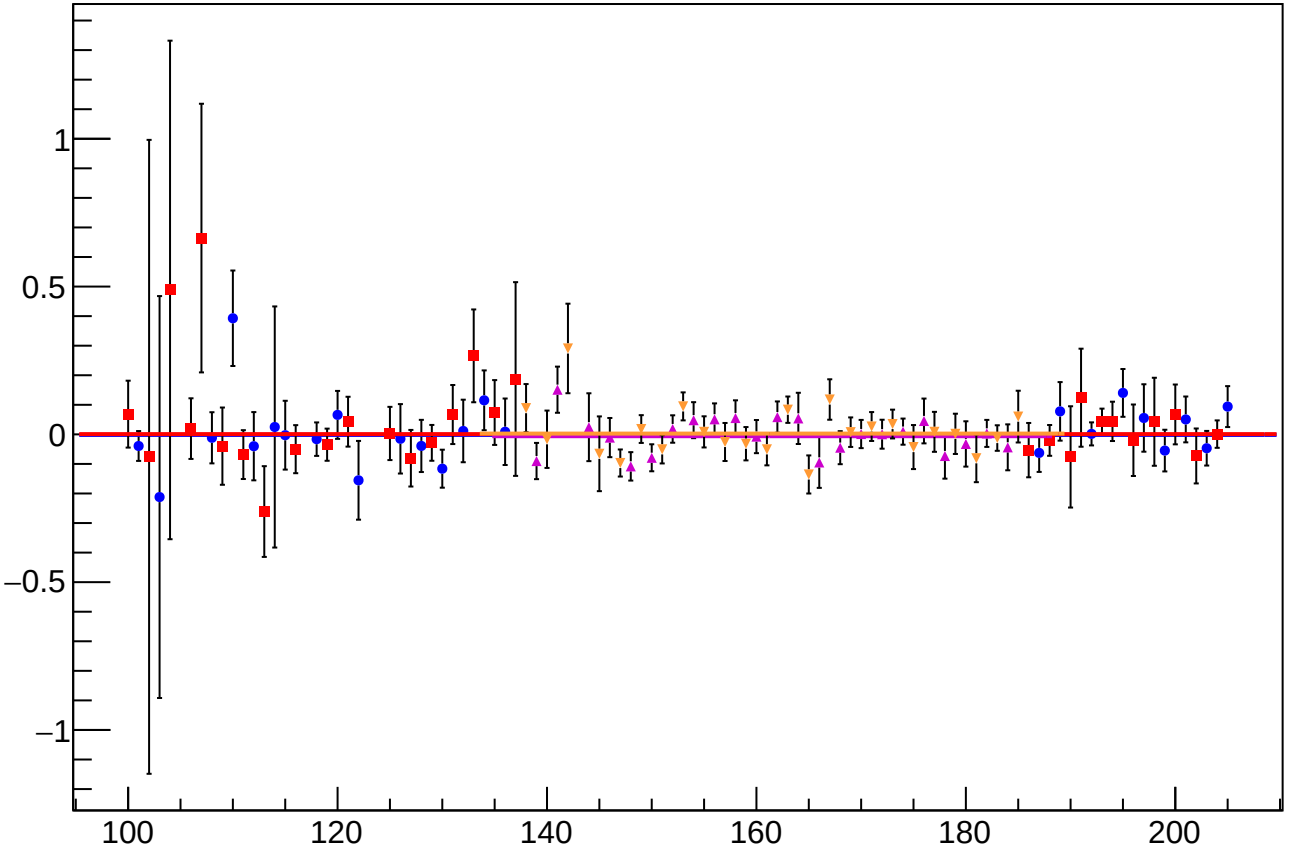
Right: 0.001+/-0.000 χ^2/NDF: 19633307.9/53

In: 0.001+/-0.000 χ^2/NDF:24554204.0/47

Out: 0.001+/-0.000 χ^2/NDF:26494843.4/52

All: 0.001+/-0.000 χ^2/NDF: 51051112.7/100

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

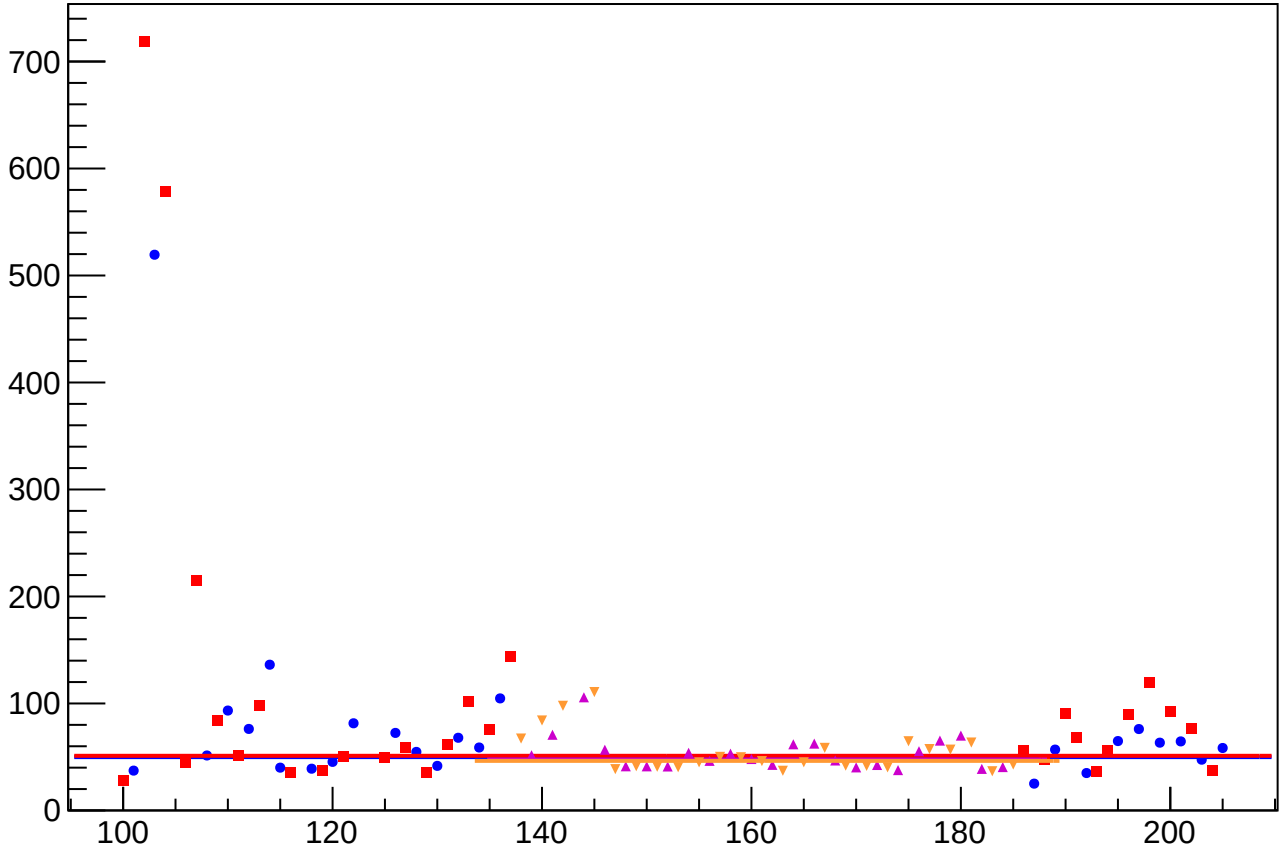
Right: -0.001+/-0.011 χ^2/NDF: 38.5/53

In: -0.005+/-0.010 χ^2/NDF:43.6/47

Out: 0.002+/-0.010 χ^2/NDF:46.4/52

All: -0.001+/-0.007 χ^2/NDF: 90.2/100

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.866+/-0.011 χ^2/NDF: 3240326.9/24

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.079+/-0.011 χ^2/NDF: 4728627.7/28

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

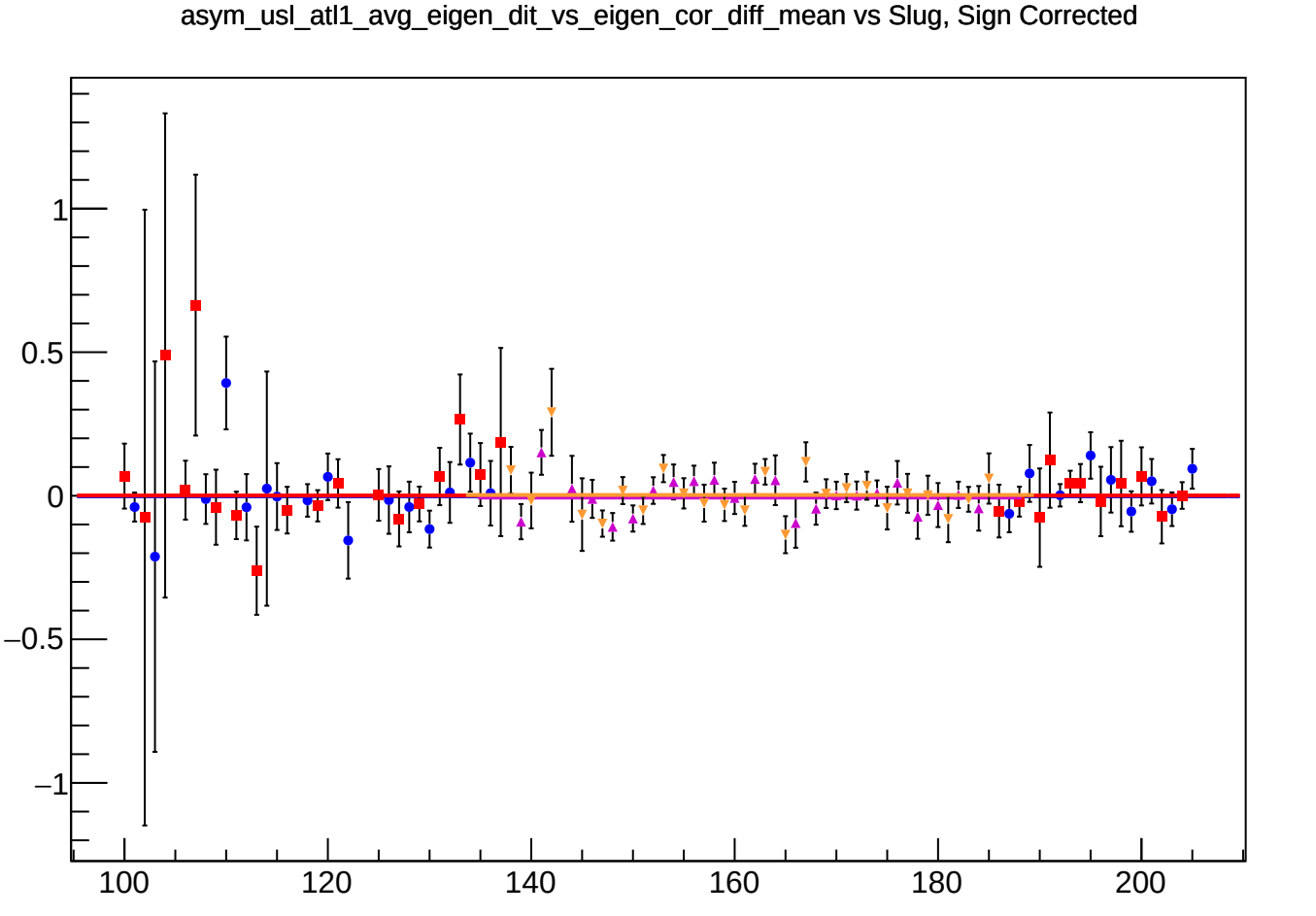
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.461+/-0.008 χ^2/NDF: 7974800.4/53

In: 48.431+/-0.007 χ^2/NDF:4843161.3/47

Out: 48.033+/-0.007 χ^2/NDF:6808539.1/52

All: 48.231+/-0.005 χ^2/NDF: 11653426.2/100



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.001+/-0.016 χ^2/NDF: 16.5/28

Left In: -0.006+/-0.012 χ^2/NDF:21.6/22

Left: -0.002+/-0.008 χ^2/NDF: 51.8/46

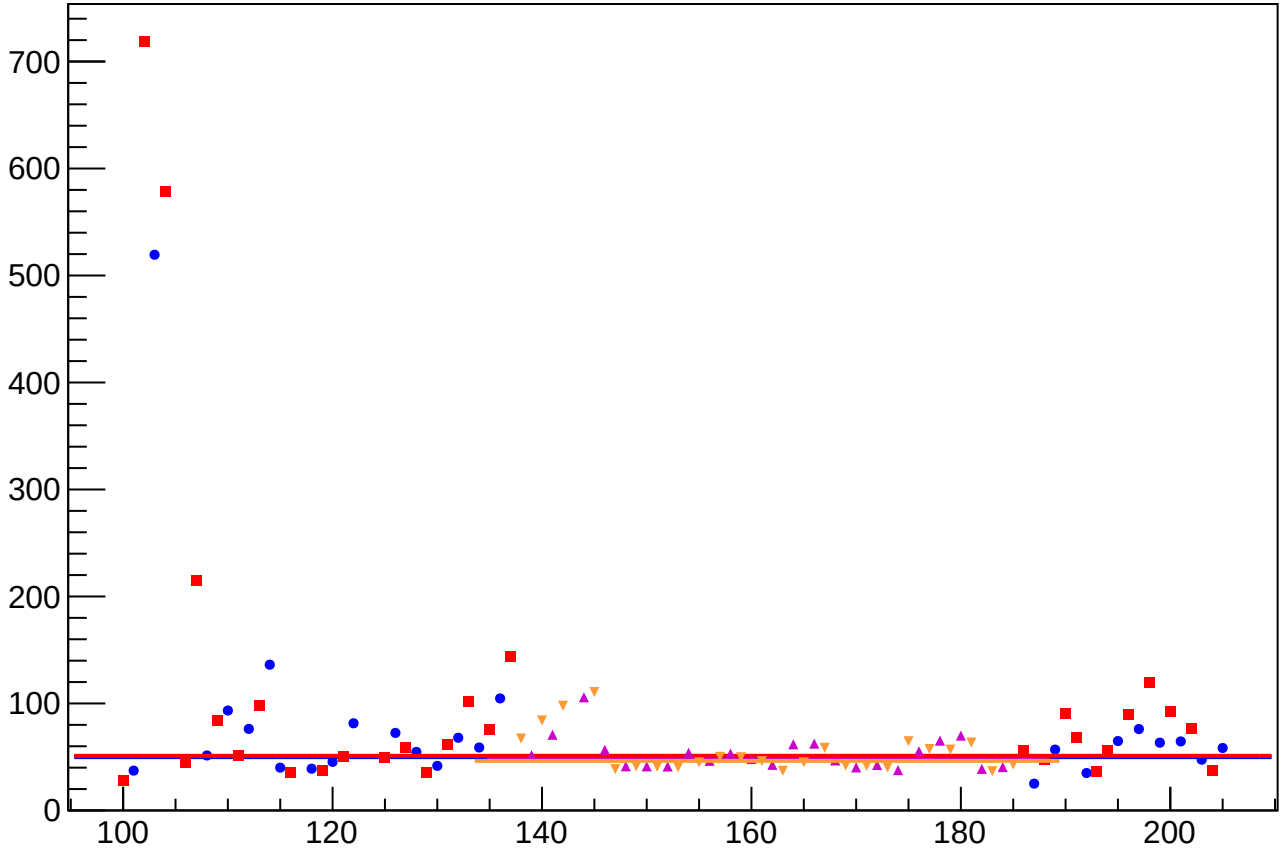
Right: -0.001+/-0.011 χ^2/NDF: 38.5/53

In: -0.005+/-0.010 χ^2/NDF:43.6/47

Out: 0.002+/-0.010 χ^2/NDF:46.4/52

All: -0.001+/-0.007 χ^2/NDF: 90.2/100

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.866+/-0.011 χ^2/NDF: 3240326.9/24

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

Right Out: 51.079+/-0.011 χ^2/NDF: 4728627.7/28

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

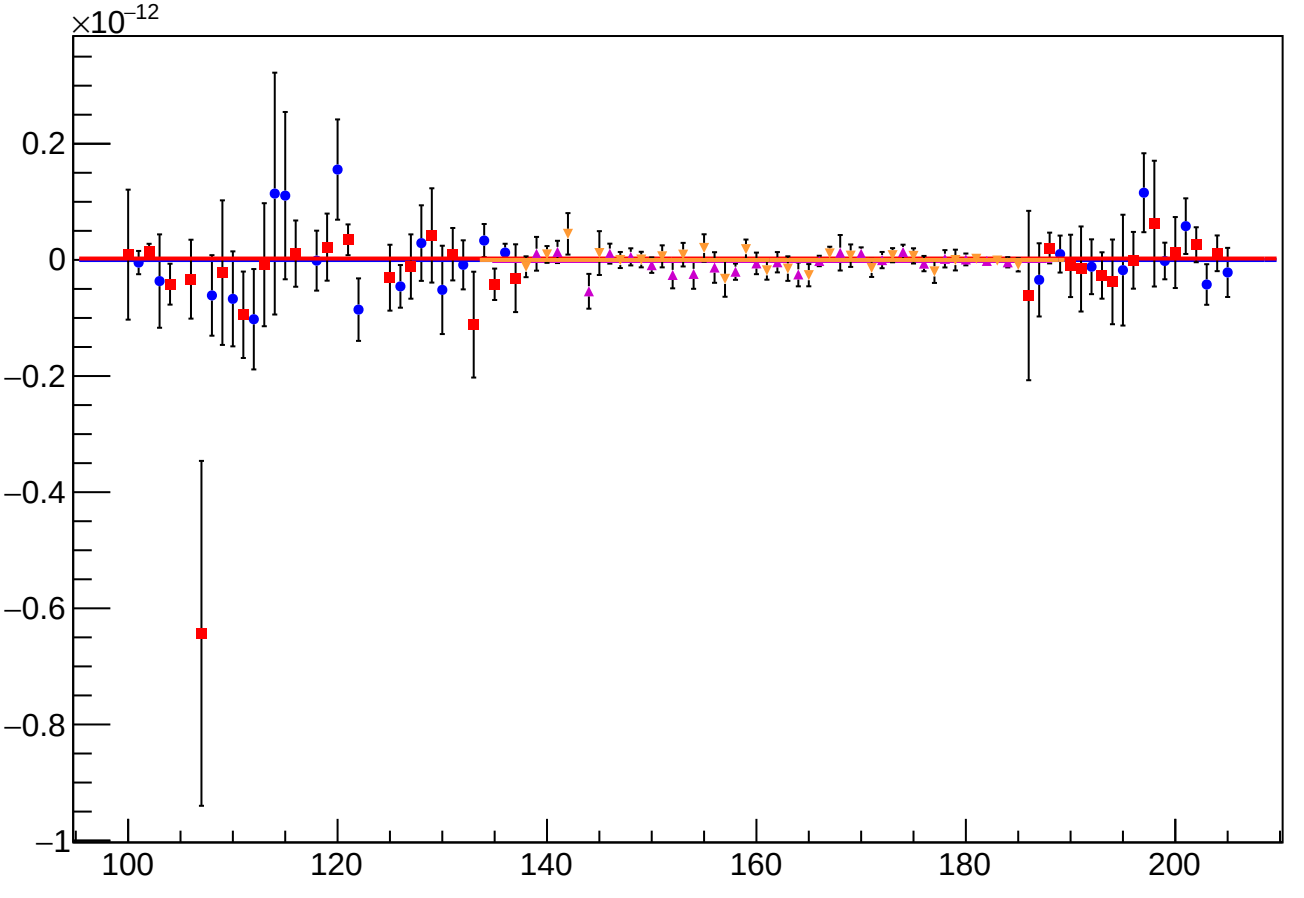
Left: 46.952+/-0.006 χ^2/NDF: 3554282.4/46

Right: 50.461+/-0.008 χ^2/NDF: 7974800.4/53

In: 48.431+/-0.007 χ^2/NDF:4843161.3/47

Out: 48.033+/-0.007 χ^2/NDF:6808539.1/52

All: 48.231+/-0.005 χ^2/NDF: 11653426.2/100



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18.8/28

Left In: -0.000+/-0.000 χ^2/NDF:13.4/22

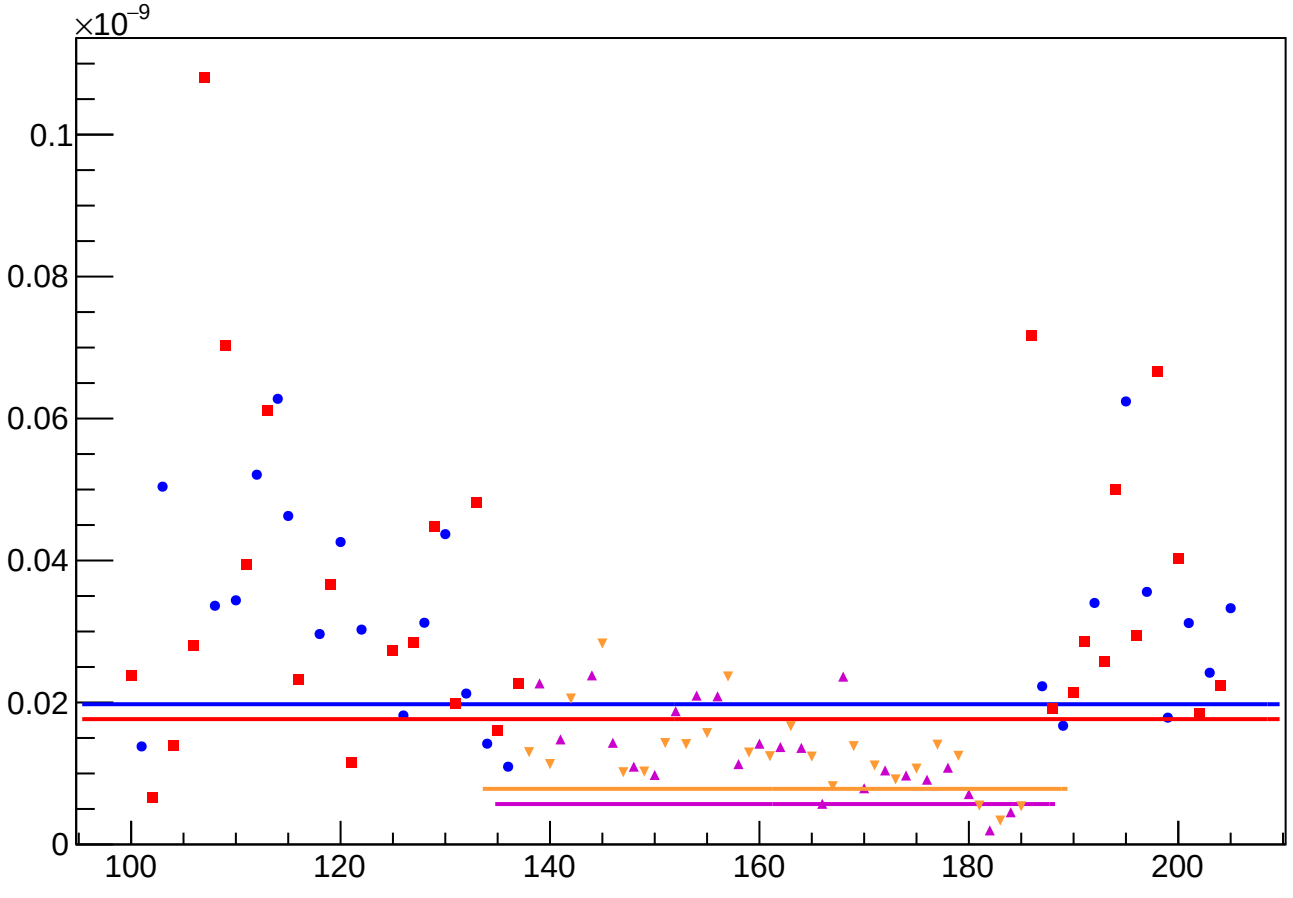
Left: -0.000+/-0.000 χ^2/NDF: 27.5/46

Right: 0.000+/-0.000 χ^2/NDF: 39.5/53

In: -0.000+/-0.000 χ^2/NDF:34.1/47

Out: 0.000+/-0.000 χ^2/NDF:32.7/52

All: -0.000+/-0.000 χ^2/NDF: 67.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 3417975.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5176448.6/28

Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

Left: 0.000+/-0.000 χ^2/NDF: 18452669.5/46

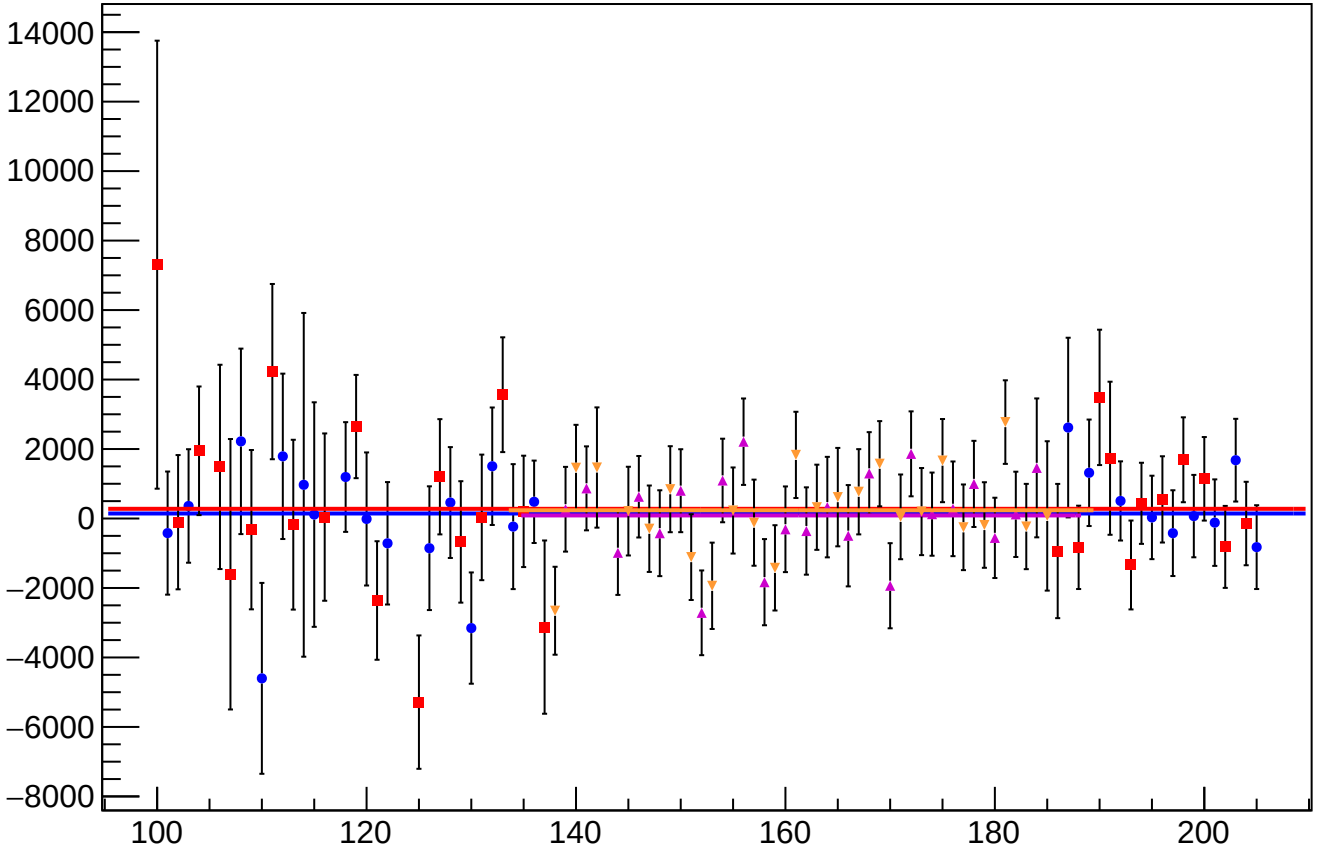
Right: 0.000+/-0.000 χ^2/NDF: 8669942.7/53

In: 0.000+/-0.000 χ^2/NDF:20576723.1/47

Out: 0.000+/-0.000 χ^2/NDF:14743890.5/52

All: 0.000+/-0.000 χ^2/NDF: 36308490.1/100

reg_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 144.308+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: 279.033+/-306.689 χ^2/NDF: 33.7/28

Left In: 88.380+/-261.602 χ^2/NDF:20.9/22

Left: 163.040+/-184.293 χ^2/NDF: 43.8/46

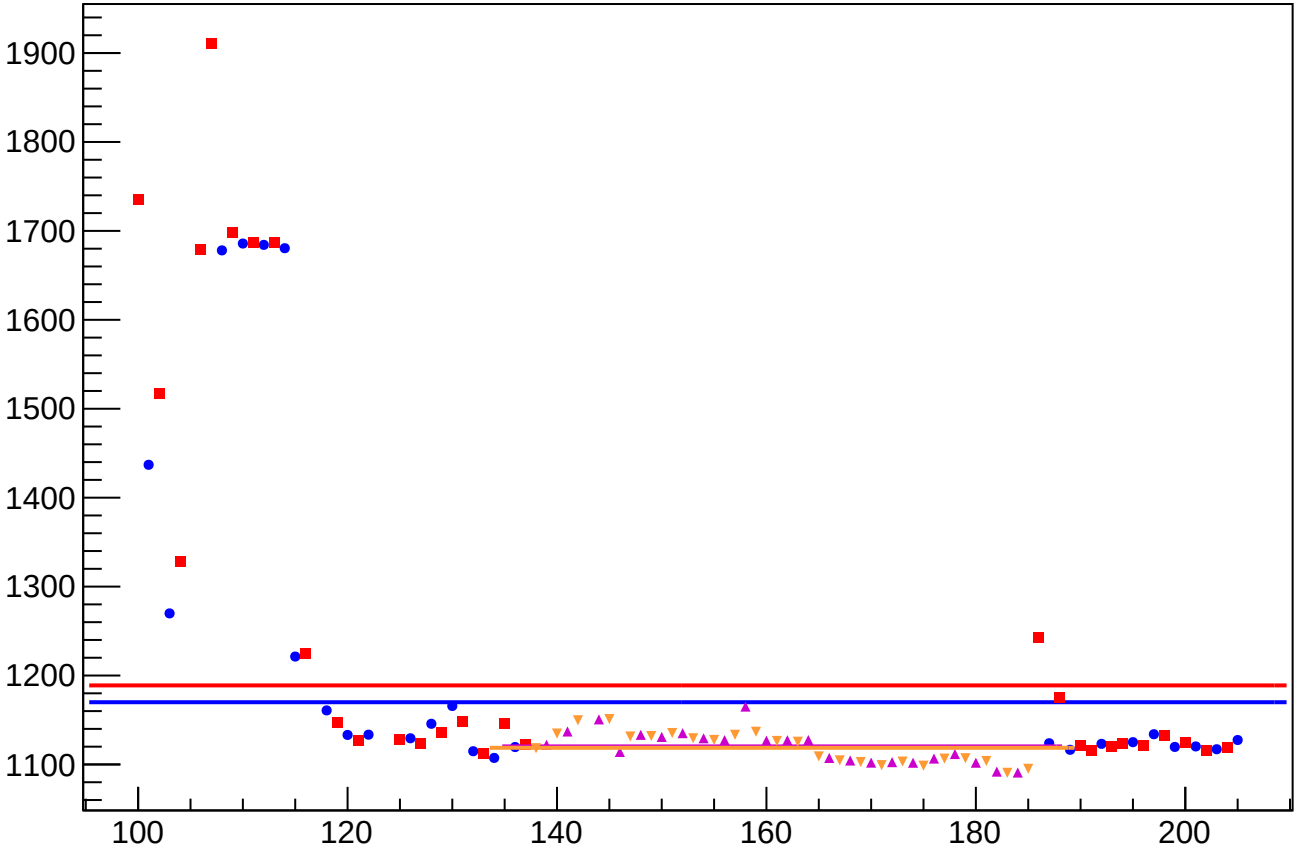
Right: 213.115+/-219.175 χ^2/NDF: 48.2/53

In: 111.352+/-200.815 χ^2/NDF:35.3/47

Out: 254.318+/-198.176 χ^2/NDF:56.4/52

All: 183.781+/-141.055 χ^2/NDF: 92.0/100

reg_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.3/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1188.897+/-0.217 χ^2/NDF: 535534.4/28

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

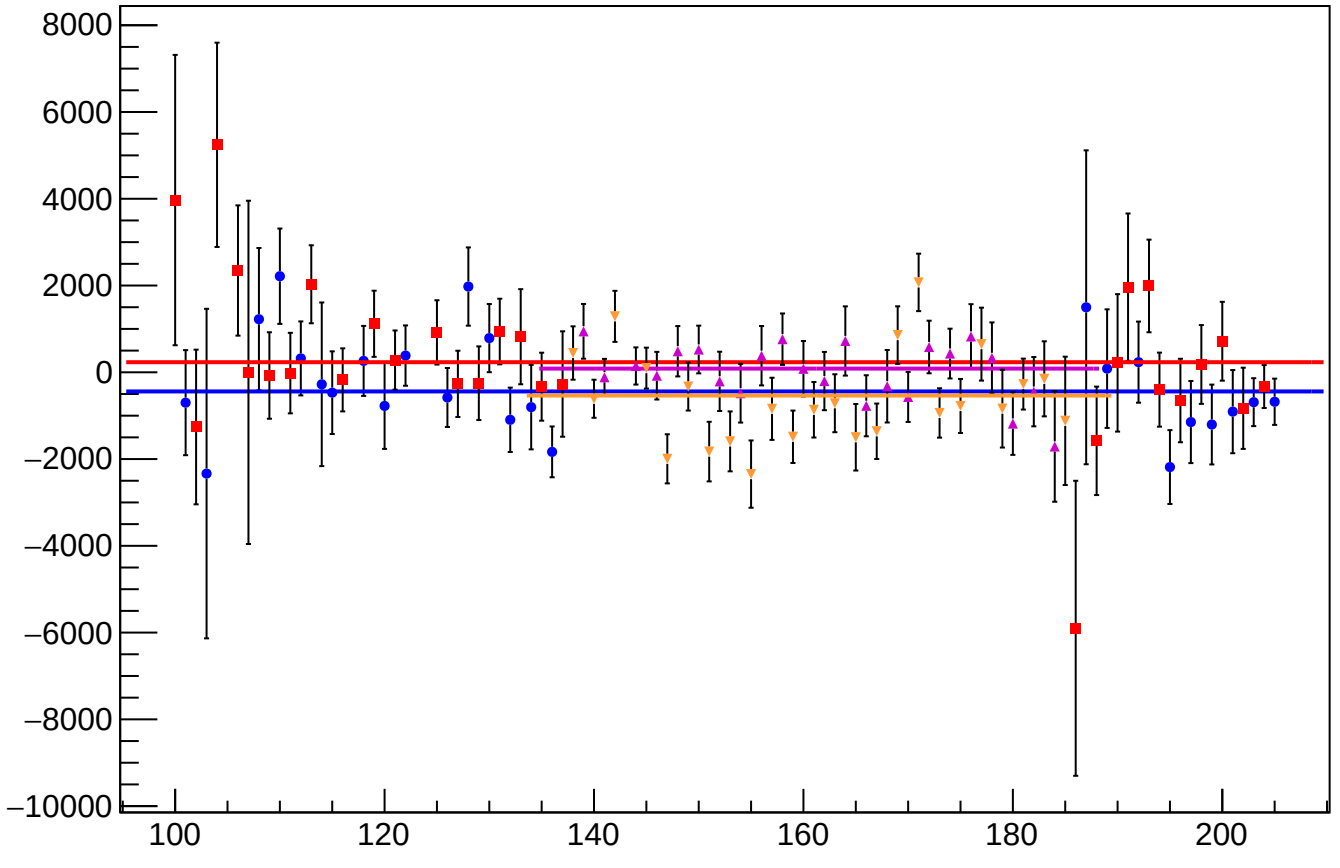
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1179.641+/-0.155 χ^2/NDF: 885745.6/53

In: 1140.710+/-0.142 χ^2/NDF:385584.4/47

Out: 1148.030+/-0.140 χ^2/NDF:604709.7/52

All: 1144.419+/-0.100 χ^2/NDF: 991640.1/100



Right In: -441.412+/-172.892 χ^2/NDF: 33.5/24

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: 232.614+/-175.335 χ^2/NDF: 31.1/28

Left In: 85.254+/-130.966 χ^2/NDF:17.1/22

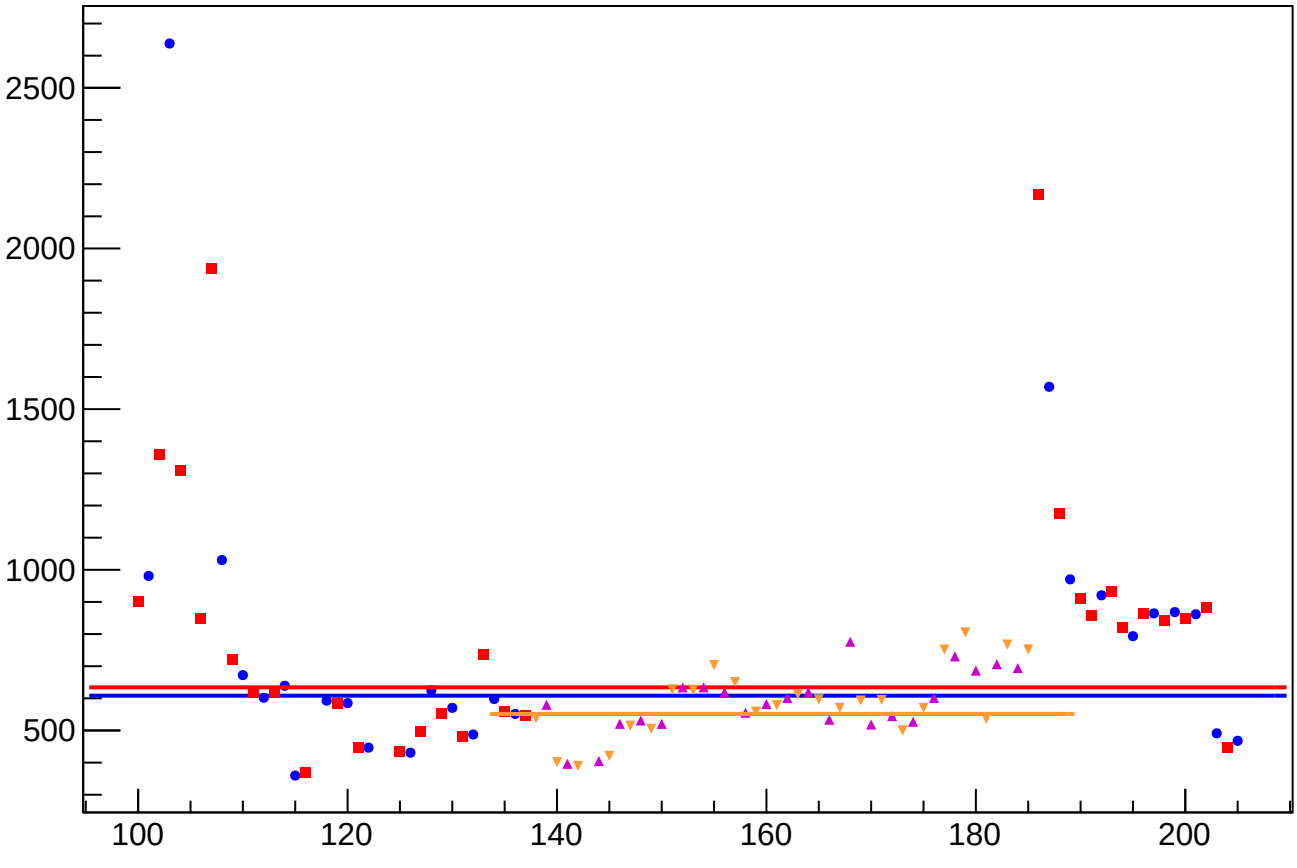
Left: -226.082+/-92.494 χ^2/NDF: 90.0/46

Right: -109.128+/-123.108 χ^2/NDF: 72.2/53

In: -106.768+/-104.396 χ^2/NDF:56.6/47

Out: -261.541+/-104.762 χ^2/NDF:105.0/52

All: -183.883+/-73.948 χ^2/NDF: 162.7/100



Right In: 608.249+/-0.122 χ^2/NDF: 2634164.0/24

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 634.237+/-0.124 χ^2/NDF: 3454414.0/28

Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

Left: 551.388+/-0.065 χ^2/NDF: 2288381.2/46

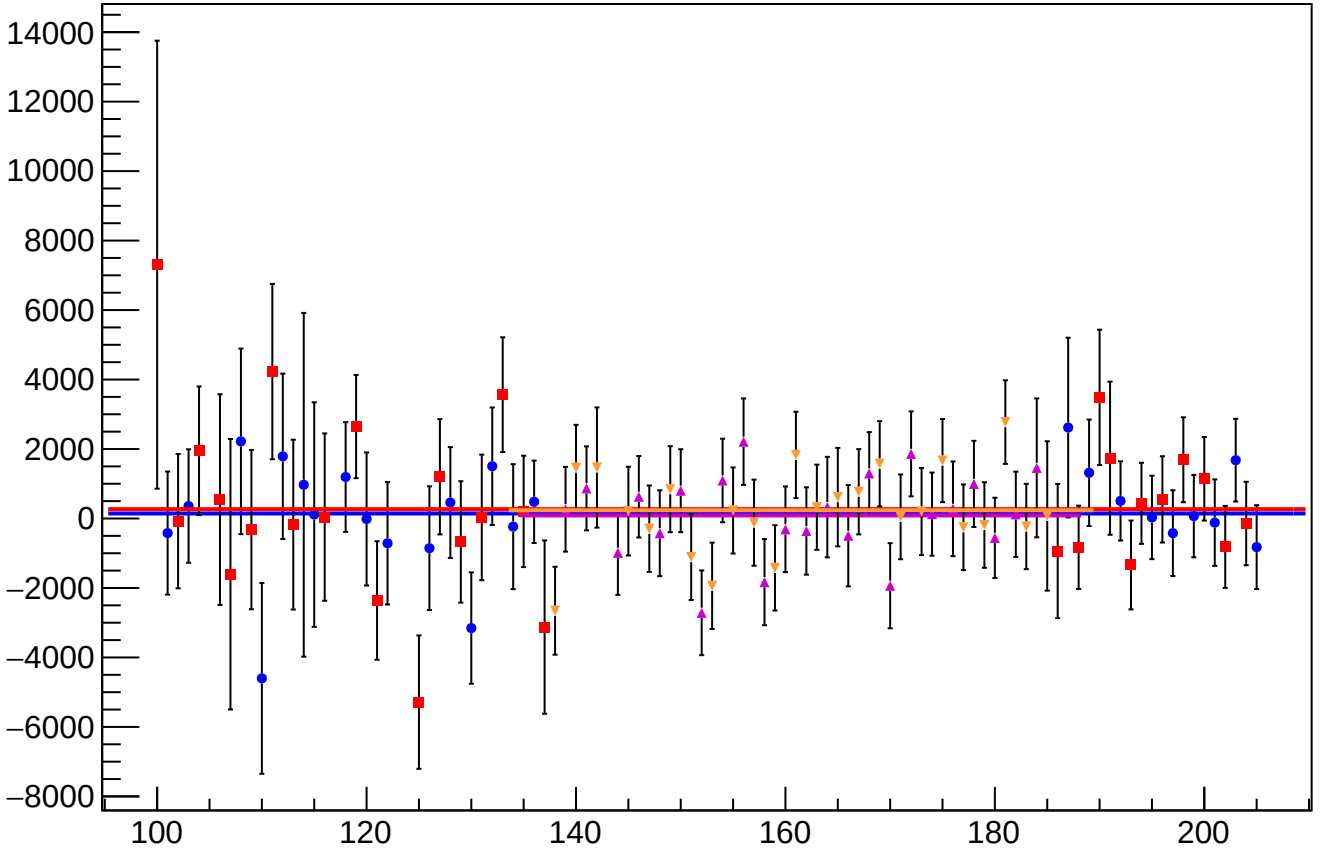
Right: 621.060+/-0.087 χ^2/NDF: 6110855.6/53

In: 572.086+/-0.074 χ^2/NDF:3833631.5/47

Out: 580.998+/-0.074 χ^2/NDF:4967800.0/52

All: 576.527+/-0.052 χ^2/NDF: 8808693.6/100

cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 144.138+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 269.379+/-306.790 χ^2/NDF: 33.5/28

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

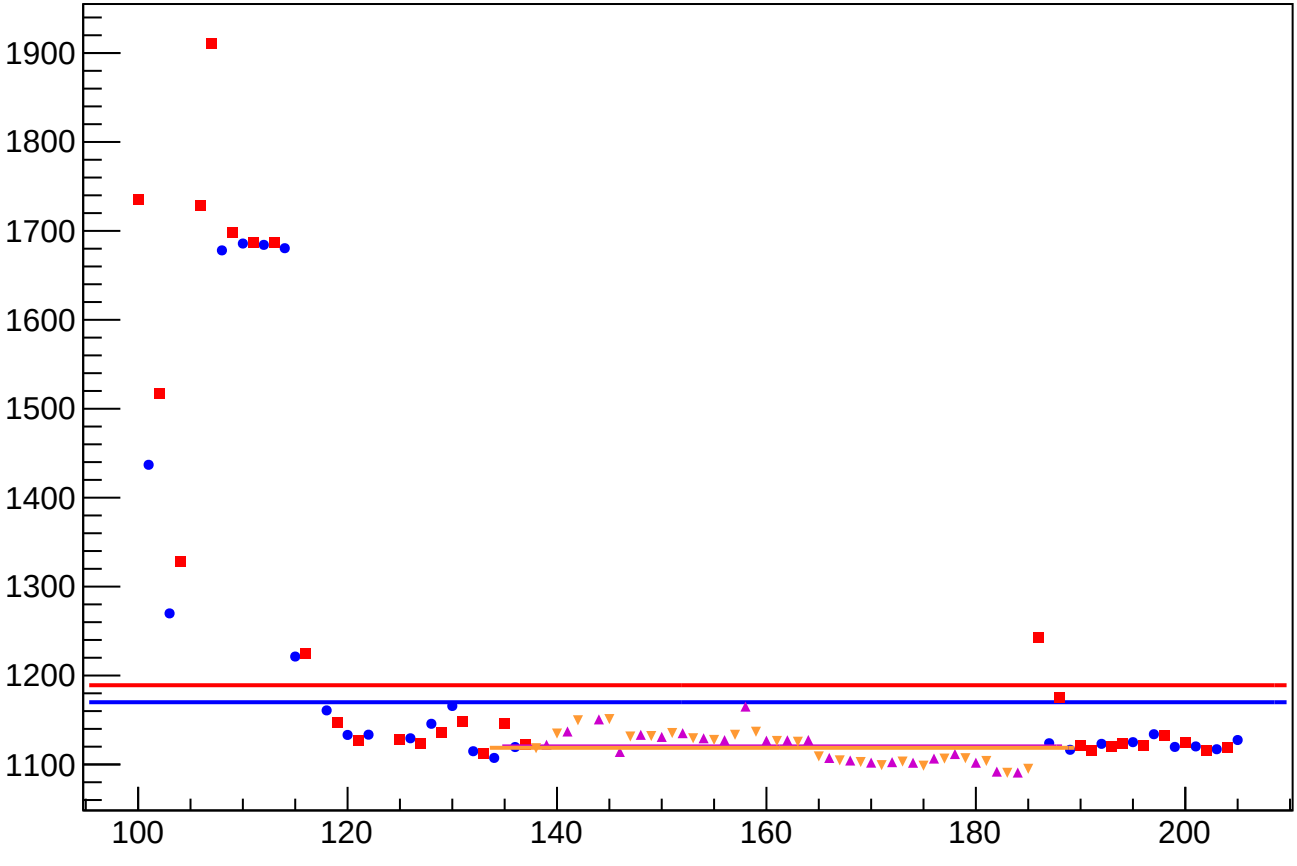
Right: 208.081+/-219.212 χ^2/NDF: 48.0/53

In: 111.276+/-200.815 χ^2/NDF:35.3/47

Out: 250.306+/-198.203 χ^2/NDF:56.3/52

All: 181.701+/-141.065 χ^2/NDF: 91.8/100

cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.4/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1189.089+/-0.217 χ^2/NDF: 543393.2/28

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

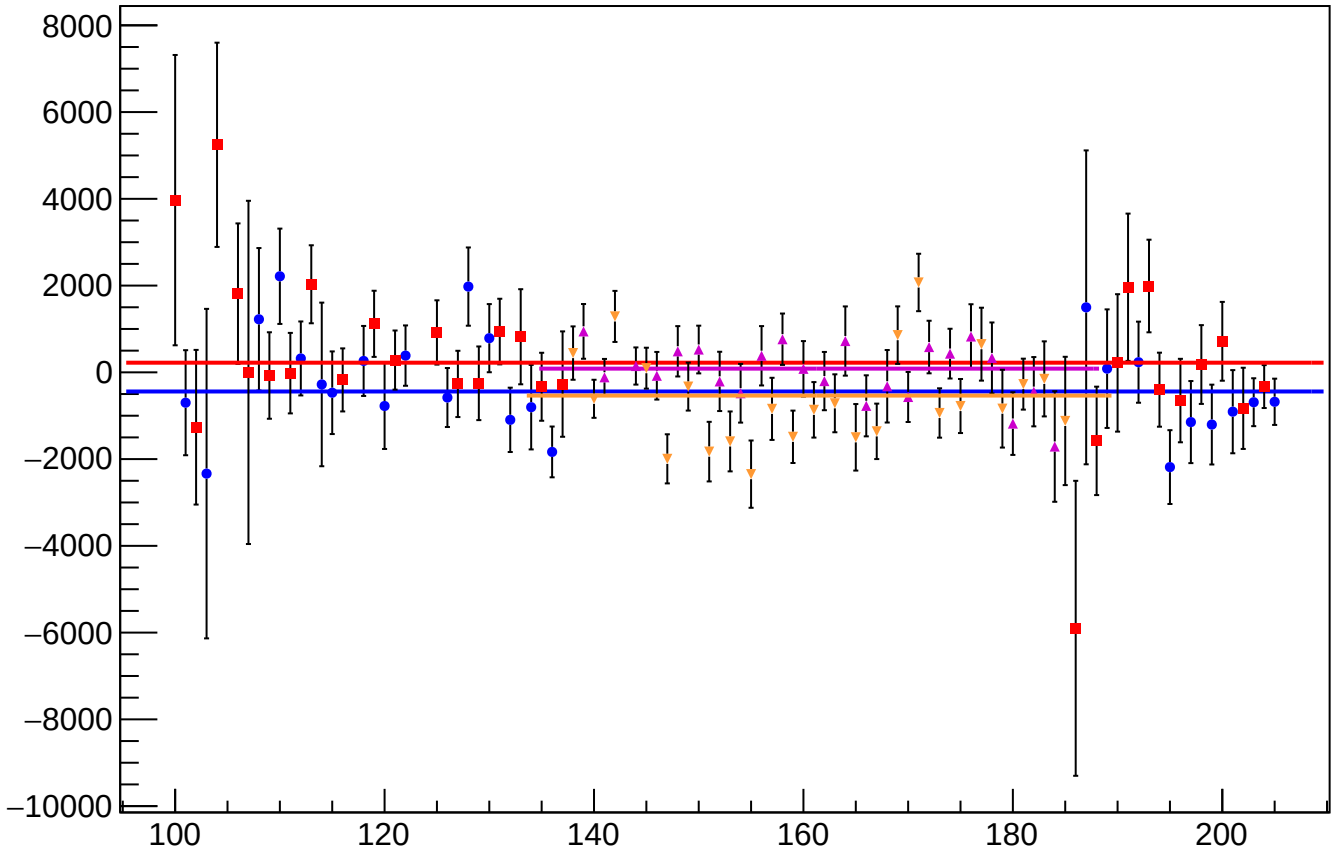
Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

Right: 1179.736+/-0.155 χ^2/NDF: 893679.0/53

In: 1140.711+/-0.142 χ^2/NDF:385584.5/47

Out: 1148.099+/-0.140 χ^2/NDF:612878.6/52

All: 1144.453+/-0.100 χ^2/NDF: 999834.4/100



Right In: -441.382+/-172.891 χ^2/NDF: 33.6/24

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 222.300+/-175.501 χ^2/NDF: 30.1/28

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

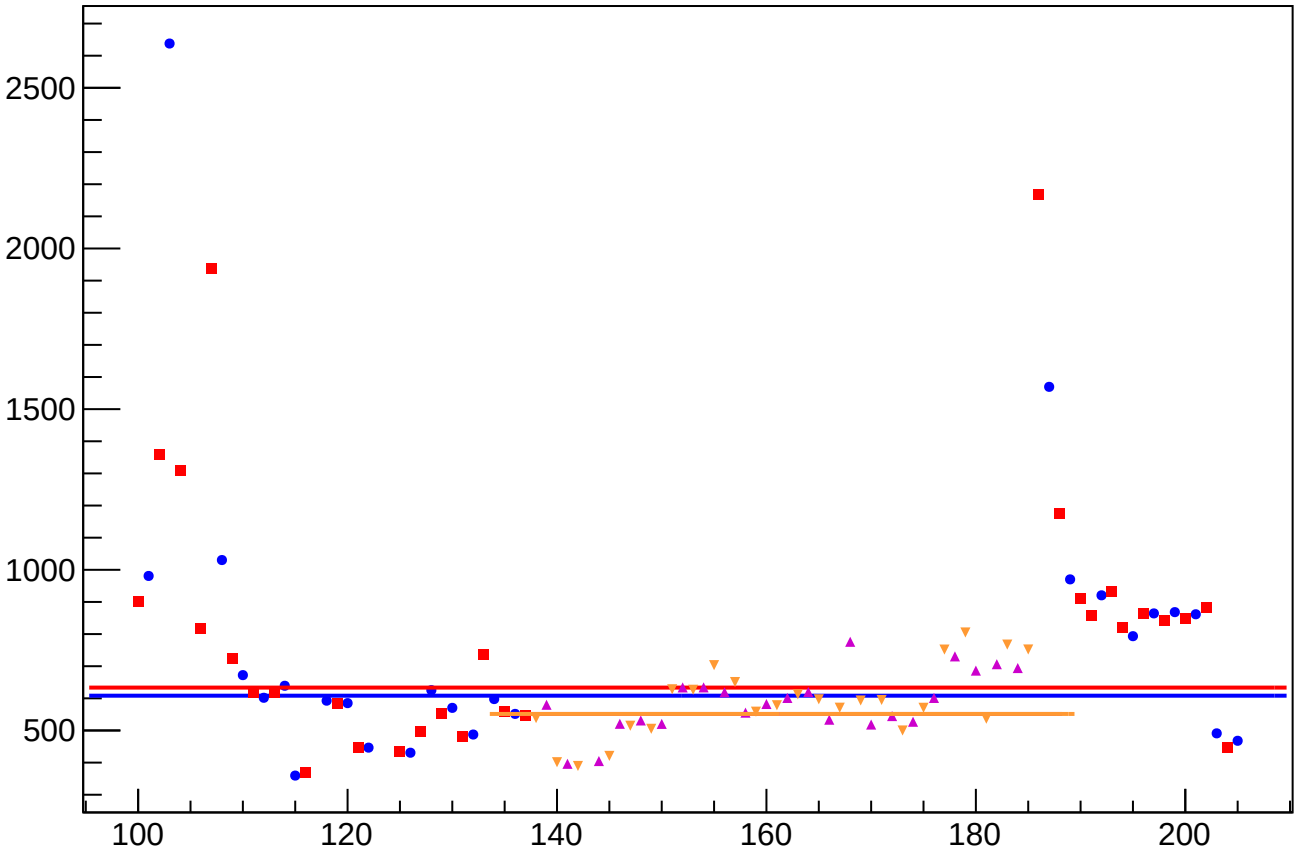
Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

Right: -114.514+/-123.165 χ^2/NDF: 70.9/53

In: -106.764+/-104.395 χ^2/NDF:56.6/47

Out: -265.573+/-104.797 χ^2/NDF:103.7/52

All: -185.864+/-73.960 χ^2/NDF: 161.4/100



Right In: 608.246+/-0.122 χ^2/NDF: 2634148.0/24

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 633.457+/-0.124 χ^2/NDF: 3439711.4/28

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

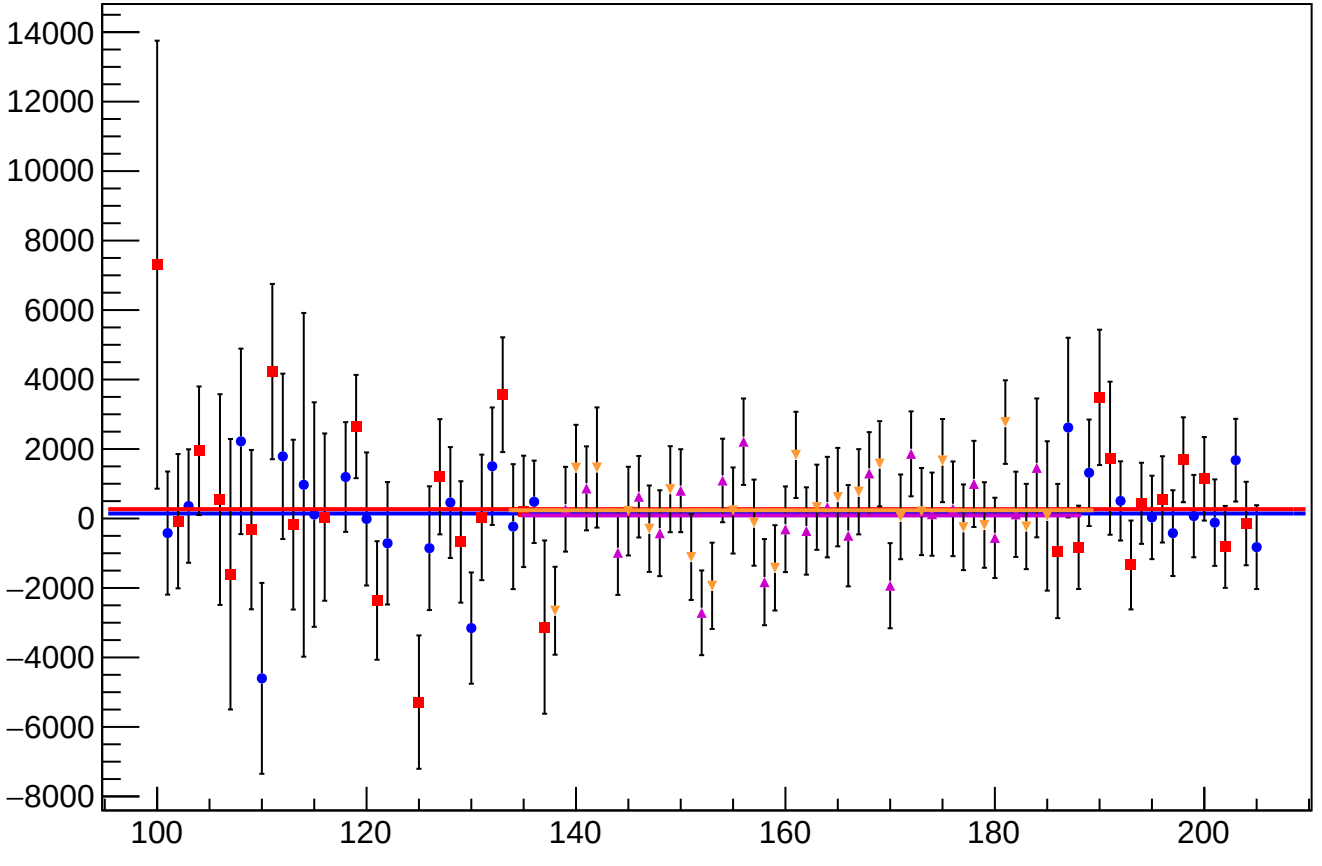
Right: 620.663+/-0.087 χ^2/NDF: 6094805.6/53

In: 572.085+/-0.074 χ^2/NDF:3833573.1/47

Out: 580.684+/-0.074 χ^2/NDF:4947400.0/52

All: 576.368+/-0.052 χ^2/NDF: 8787732.0/100

eigen_cor_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 144.138+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: 269.379+/-306.790 χ^2/NDF: 33.5/28

Left In: 88.370+/-261.602 χ^2/NDF:20.9/22

Left: 163.056+/-184.293 χ^2/NDF: 43.8/46

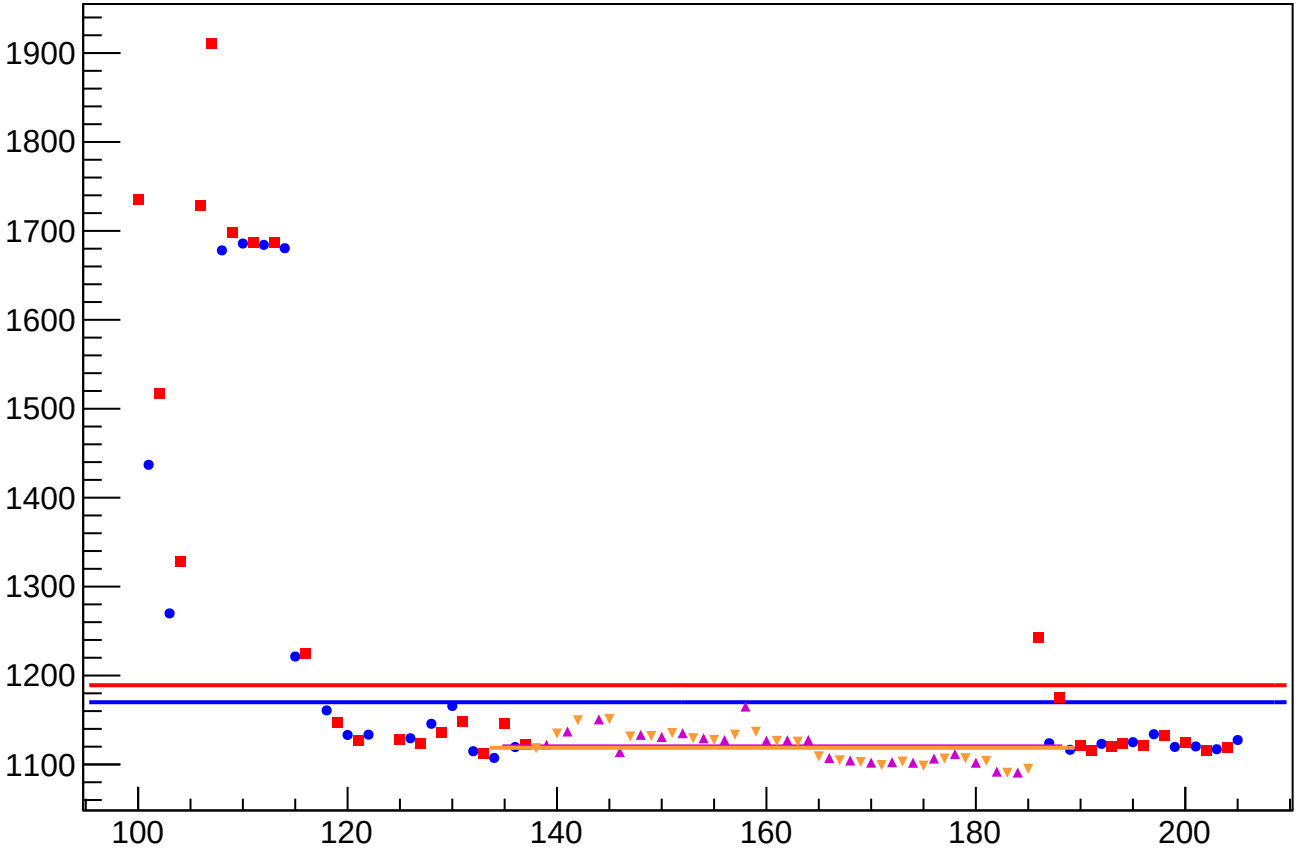
Right: 208.081+/-219.212 χ^2/NDF: 48.0/53

In: 111.276+/-200.815 χ^2/NDF:35.3/47

Out: 250.306+/-198.203 χ^2/NDF:56.3/52

All: 181.701+/-141.065 χ^2/NDF: 91.8/100

eigen_cor_asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.4/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1189.089+/-0.217 χ^2/NDF: 543393.2/28

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

Left: 1119.515+/-0.130 χ^2/NDF: 17721.2/46

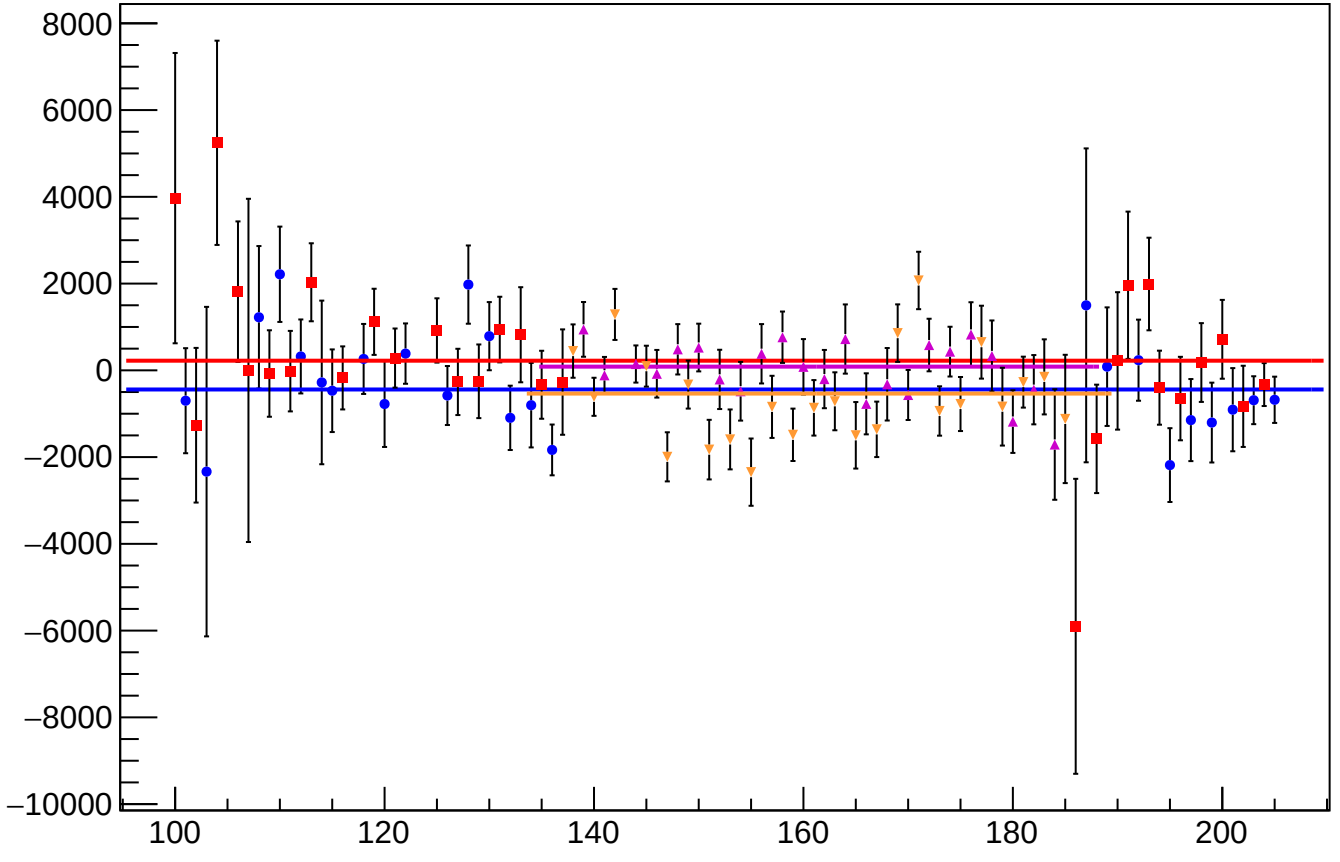
Right: 1179.736+/-0.155 χ^2/NDF: 893679.0/53

In: 1140.711+/-0.142 χ^2/NDF:385584.5/47

Out: 1148.099+/-0.140 χ^2/NDF:612878.6/52

All: 1144.453+/-0.100 χ^2/NDF: 999834.4/100

asym_usl_atl1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -441.382+/-172.891 χ^2/NDF: 33.6/24

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: 222.300+/-175.501 χ^2/NDF: 30.1/28

Left In: 85.243+/-130.966 χ^2/NDF:17.1/22

Left: -226.102+/-92.493 χ^2/NDF: 90.0/46

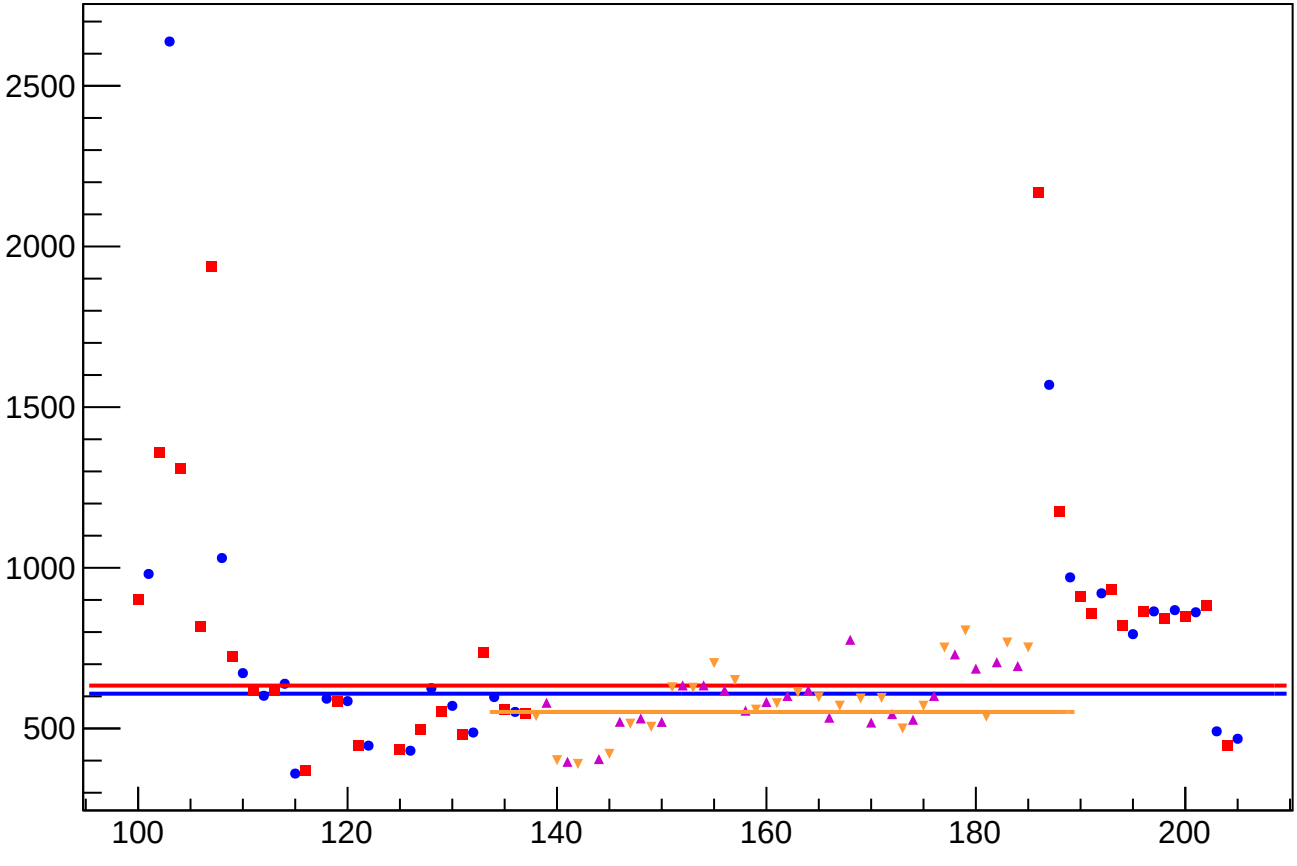
Right: -114.514+/-123.165 χ^2/NDF: 70.9/53

In: -106.764+/-104.395 χ^2/NDF:56.6/47

Out: -265.573+/-104.797 χ^2/NDF:103.7/52

All: -185.864+/-73.960 χ^2/NDF: 161.4/100

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 608.246+/-0.122 χ^2/NDF: 2634148.0/24

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 633.457+/-0.124 χ^2/NDF: 3439711.4/28

Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

Left: 551.388+/-0.065 χ^2/NDF: 2288364.7/46

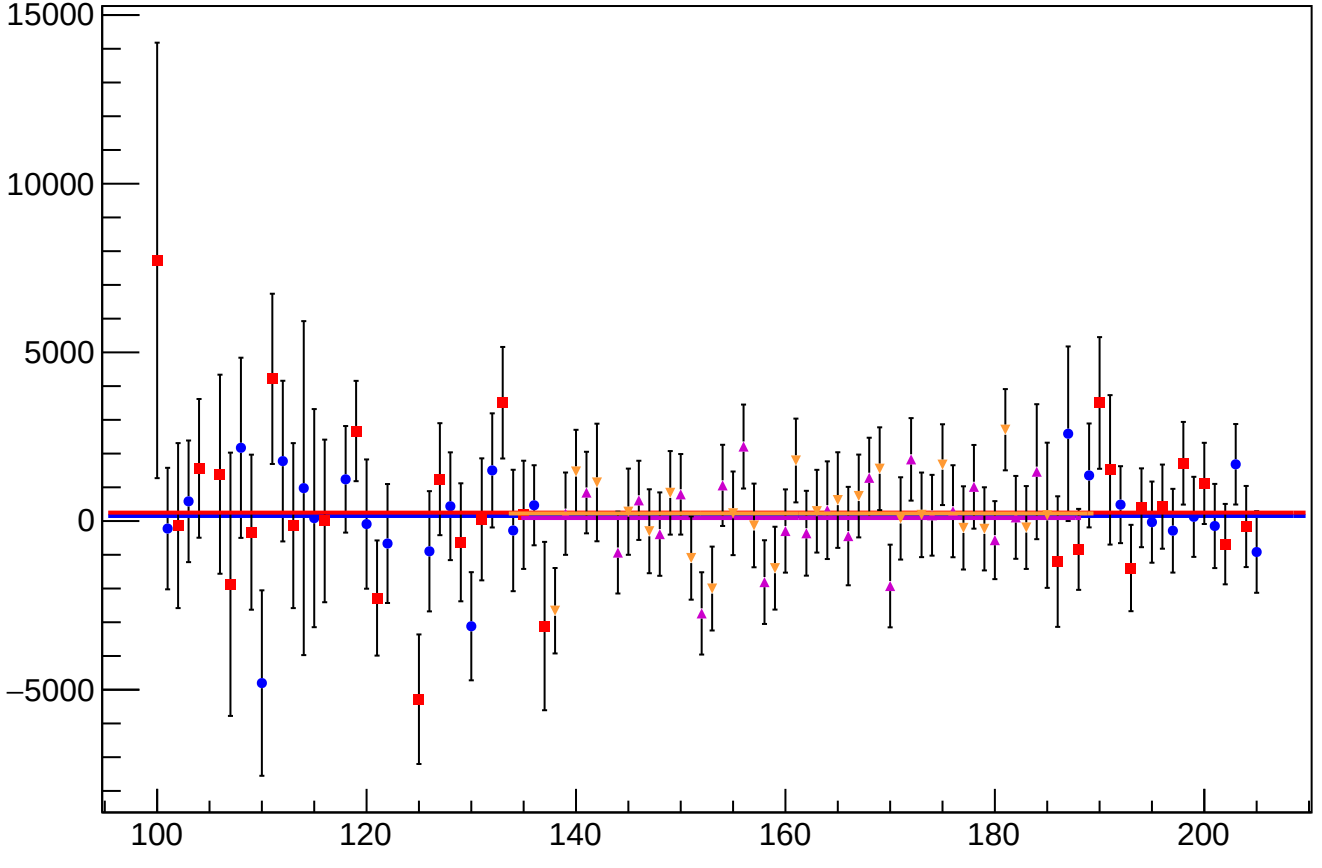
Right: 620.663+/-0.087 χ^2/NDF: 6094805.6/53

In: 572.085+/-0.074 χ^2/NDF:3833573.1/47

Out: 580.684+/-0.074 χ^2/NDF:4947400.0/52

All: 576.368+/-0.052 χ^2/NDF: 8787732.0/100

dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 150.421+/-314.983 χ^2/NDF: 14.6/24

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: 249.912+/-309.542 χ^2/NDF: 33.1/28

Left In: 89.078+/-261.717 χ^2/NDF:20.6/22

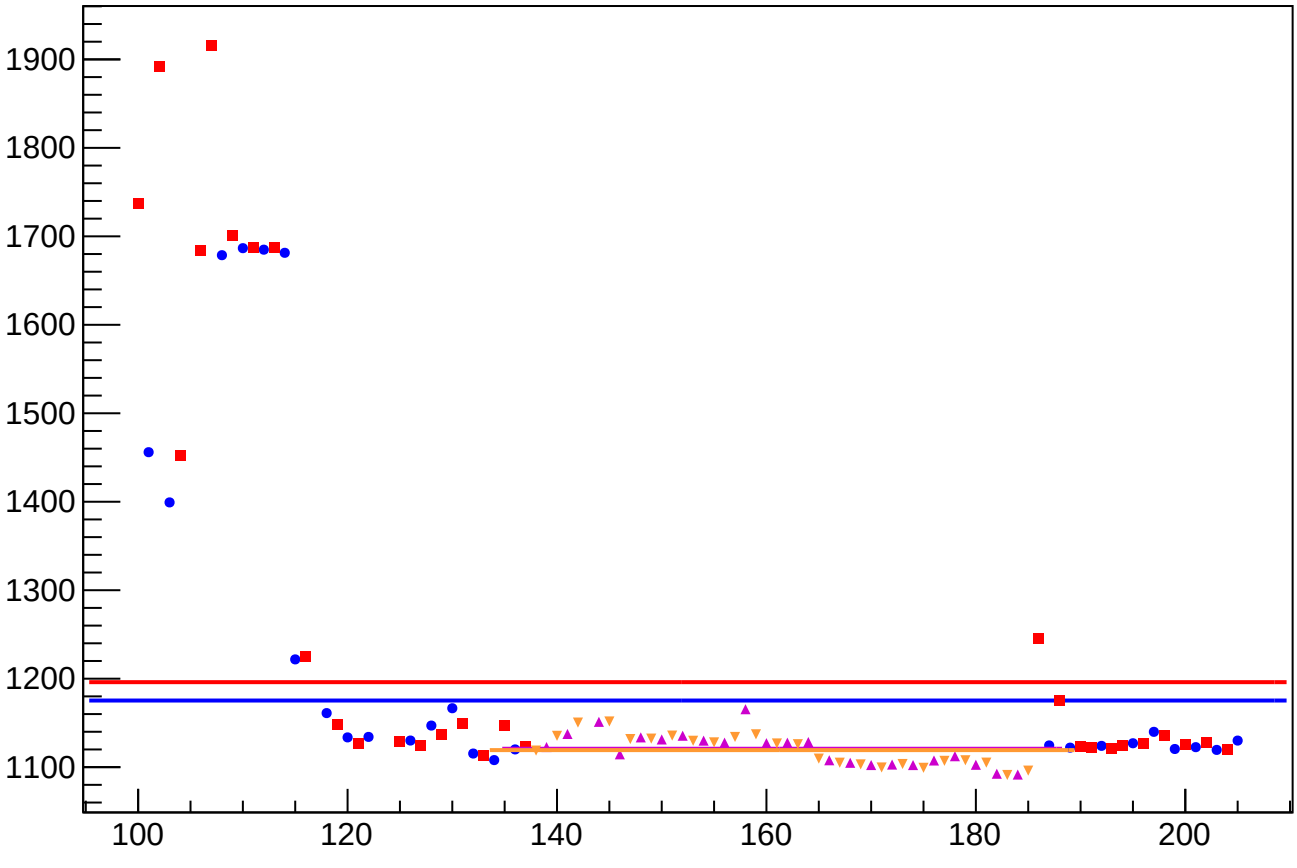
Left: 157.865+/-184.391 χ^2/NDF: 42.9/46

Right: 201.033+/-220.778 χ^2/NDF: 47.8/53

In: 114.132+/-201.298 χ^2/NDF:35.2/47

Out: 235.686+/-199.011 χ^2/NDF:55.3/52

All: 175.603+/-141.524 χ^2/NDF: 90.7/100



Right In: 1175.308+/-0.223 χ^2/NDF: 373517.5/24

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1196.067+/-0.219 χ^2/NDF: 661175.2/28

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

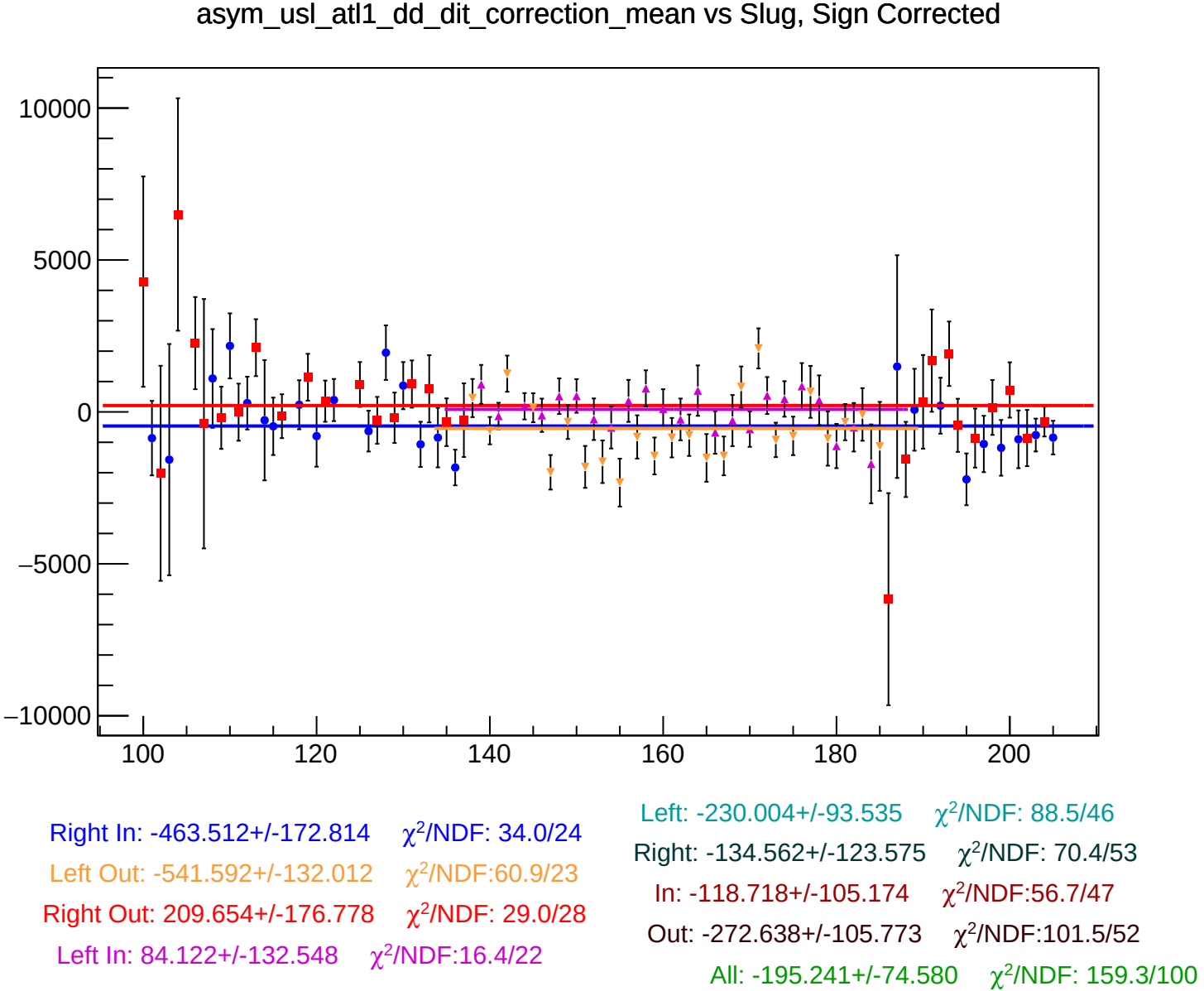
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

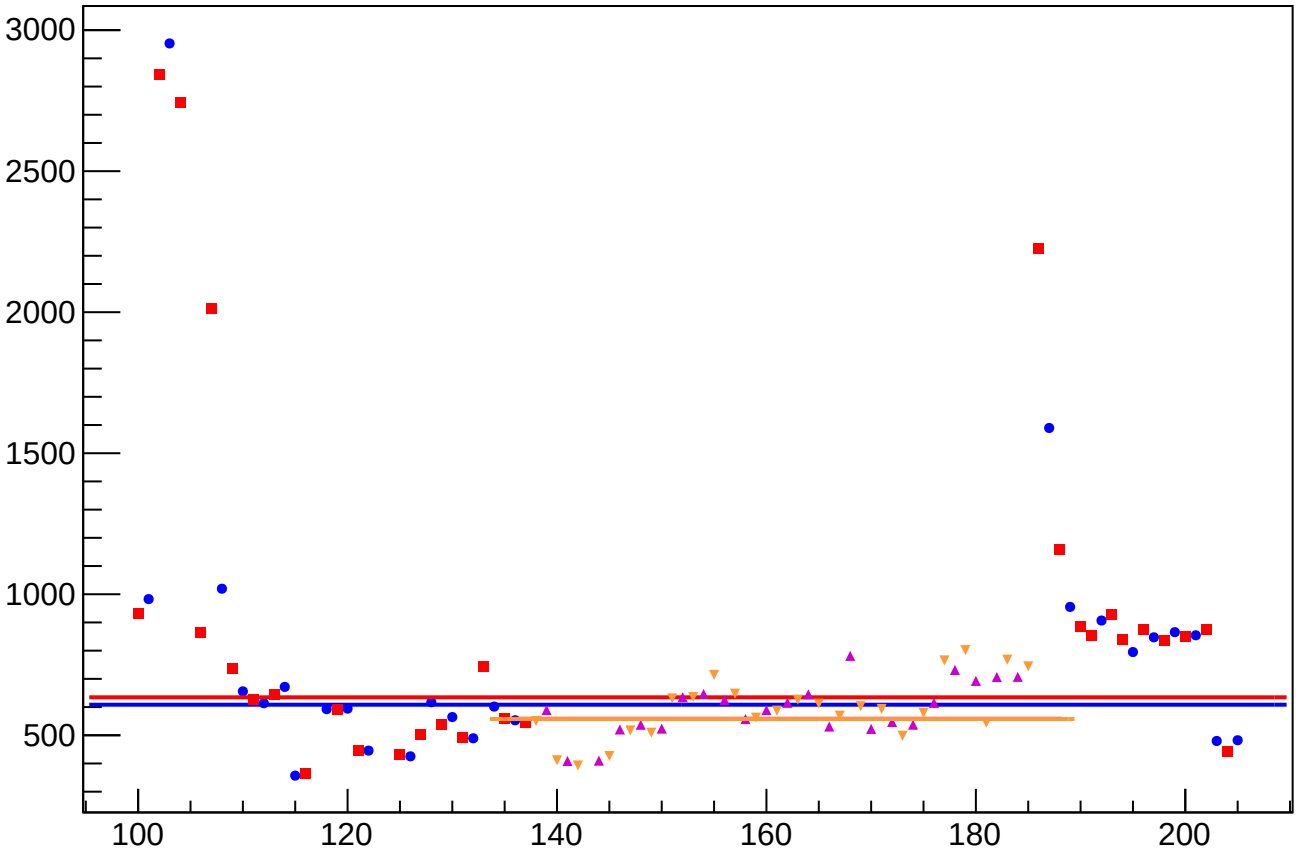
Right: 1185.868+/-0.156 χ^2/NDF: 1039111.7/53

In: 1143.062+/-0.142 χ^2/NDF:418375.6/47

Out: 1151.007+/-0.141 χ^2/NDF:741560.6/52

All: 1147.080+/-0.100 χ^2/NDF: 1161511.6/10


asym_usl_atl1_dd_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -463.512+/-172.814 χ²/NDF: 34.0/24
Left Out: -541.592+/-132.012 χ²/NDF:60.9/23
Right Out: 209.654+/-176.778 χ²/NDF: 29.0/28
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: -134.562+/-123.575 χ²/NDF: 70.4/53
In: -118.718+/-105.174 χ²/NDF:56.7/47
Out: -272.638+/-105.773 χ²/NDF:101.5/52
All: -195.241+/-74.580 χ²/NDF: 159.3/100



Right In: 608.368+/-0.122 χ^2/NDF: 2779250.1/24

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 634.585+/-0.125 χ^2/NDF: 4382735.1/28

Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

Left: 557.991+/-0.066 χ^2/NDF: 2221121.2/46

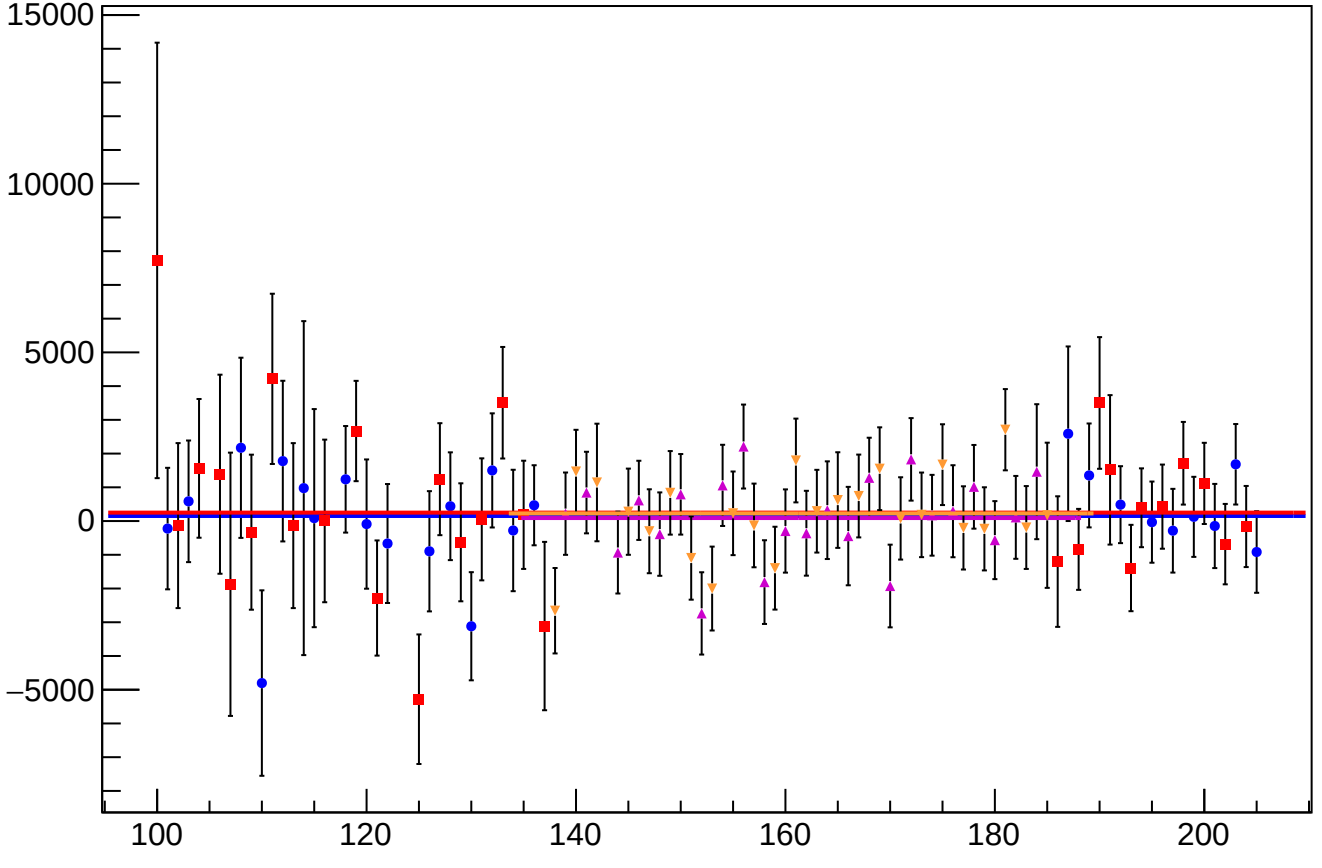
Right: 621.179+/-0.087 χ^2/NDF: 7184478.4/53

In: 576.903+/-0.074 χ^2/NDF:3912368.2/47

Out: 585.156+/-0.075 χ^2/NDF:5819563.5/52

All: 581.006+/-0.053 χ^2/NDF: 9738053.9/100

eigen_dit_asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 150.421+/-314.983 χ^2/NDF: 14.6/24

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: 249.912+/-309.542 χ^2/NDF: 33.1/28

Left In: 89.079+/-261.717 χ^2/NDF:20.6/22

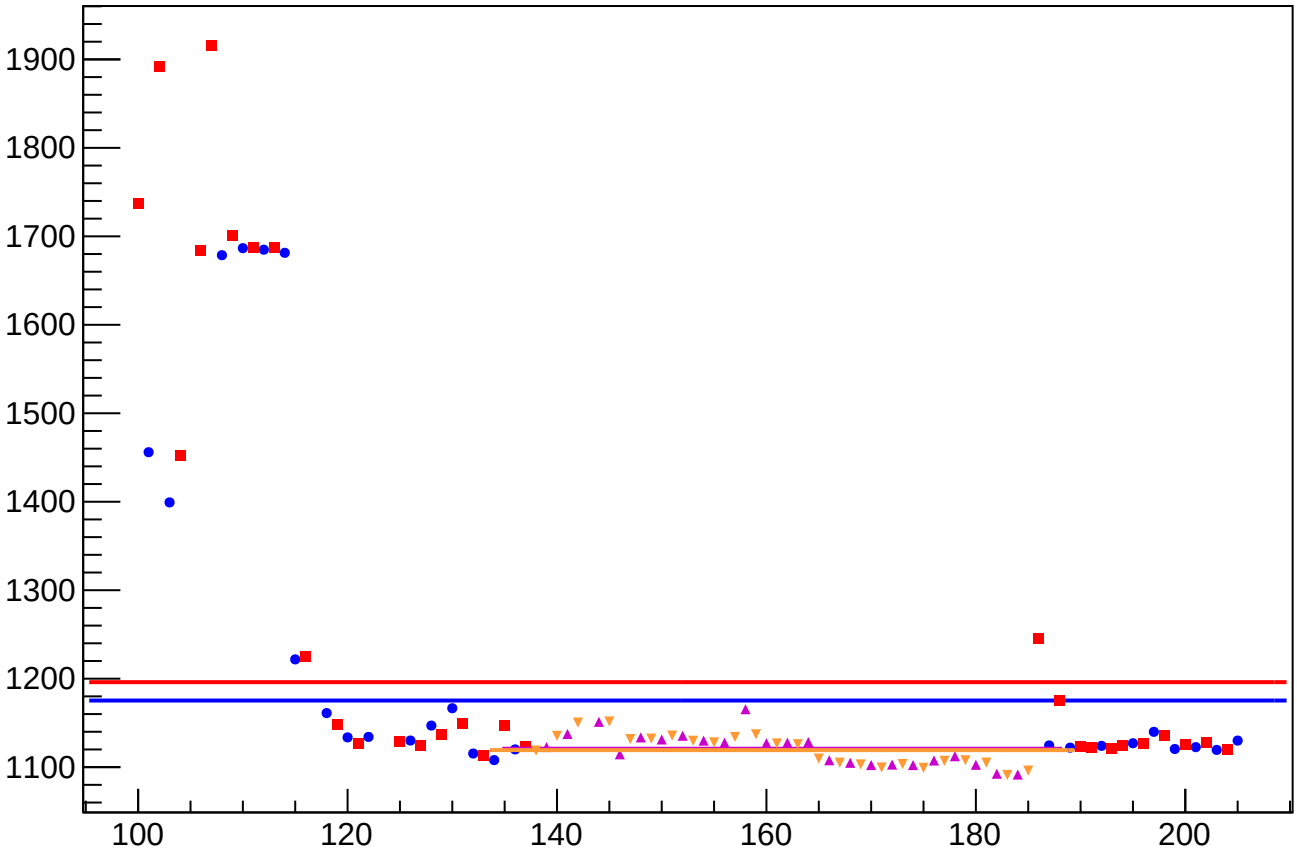
Left: 157.864+/-184.391 χ^2/NDF: 42.9/46

Right: 201.033+/-220.778 χ^2/NDF: 47.8/53

In: 114.132+/-201.298 χ^2/NDF:35.2/47

Out: 235.685+/-199.011 χ^2/NDF:55.3/52

All: 175.603+/-141.524 χ^2/NDF: 90.7/100



Right In: 1175.308+/-0.223 χ^2/NDF: 373517.1/24

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1196.067+/-0.219 χ^2/NDF: 661174.5/28

Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

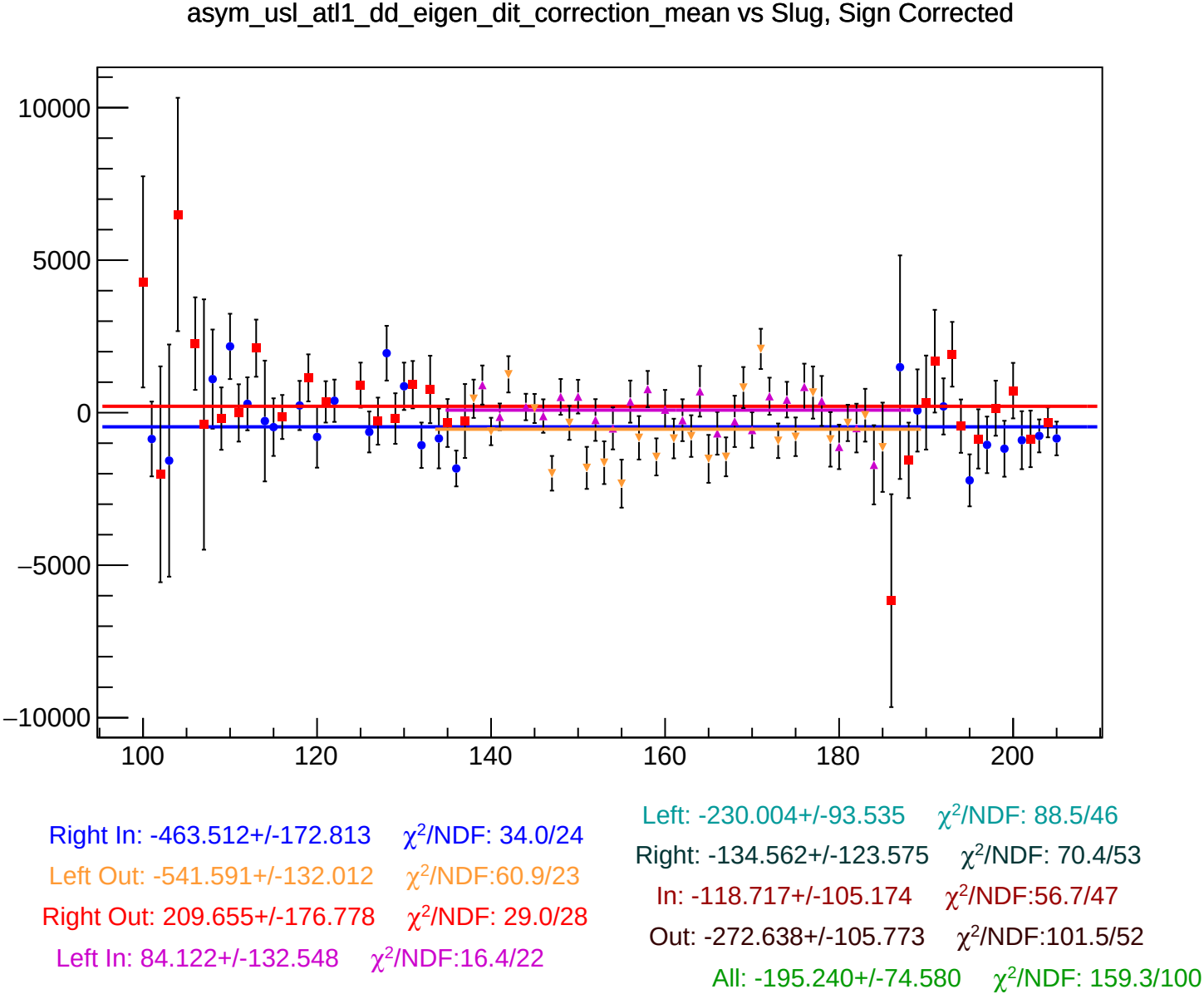
Left: 1120.024+/-0.130 χ^2/NDF: 17604.8/46

Right: 1185.868+/-0.156 χ^2/NDF: 1039110.5/53

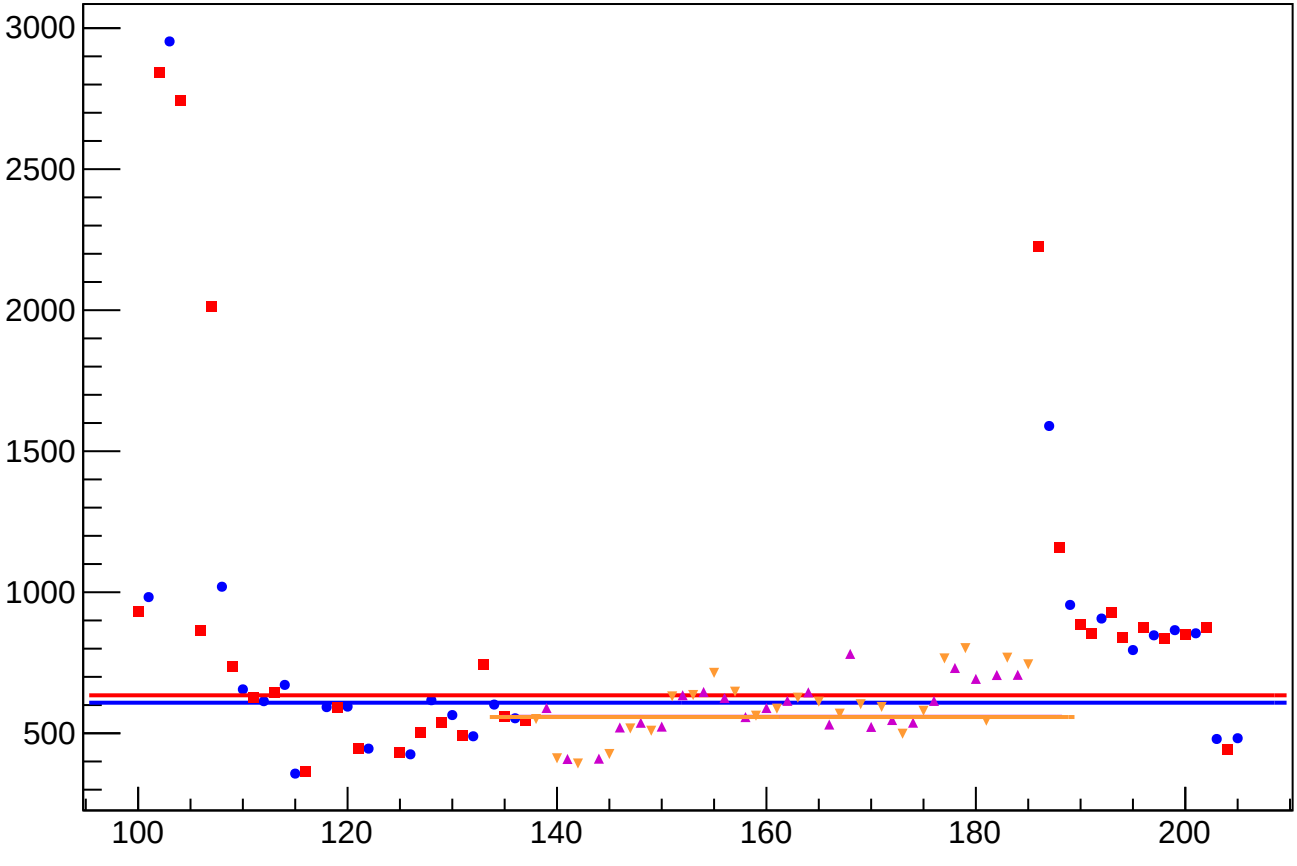
In: 1143.062+/-0.142 χ^2/NDF:418375.1/47

Out: 1151.007+/-0.141 χ^2/NDF:741559.9/52

All: 1147.080+/-0.100 χ^2/NDF: 1161510.3/10


asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -463.512+/-172.813 χ²/NDF: 34.0/24
Left Out: -541.591+/-132.012 χ²/NDF:60.9/23
Right Out: 209.655+/-176.778 χ²/NDF: 29.0/28
Left In: 84.122+/-132.548 χ²/NDF:16.4/22
Left: -230.004+/-93.535 χ²/NDF: 88.5/46
Right: -134.562+/-123.575 χ²/NDF: 70.4/53
In: -118.717+/-105.174 χ²/NDF:56.7/47
Out: -272.638+/-105.773 χ²/NDF:101.5/52
All: -195.240+/-74.580 χ²/NDF: 159.3/100

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 608.367+/-0.122 χ^2/NDF: 2779248.0/24

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 634.584+/-0.125 χ^2/NDF: 4382737.3/28

Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

Left: 557.990+/-0.066 χ^2/NDF: 2221156.8/46

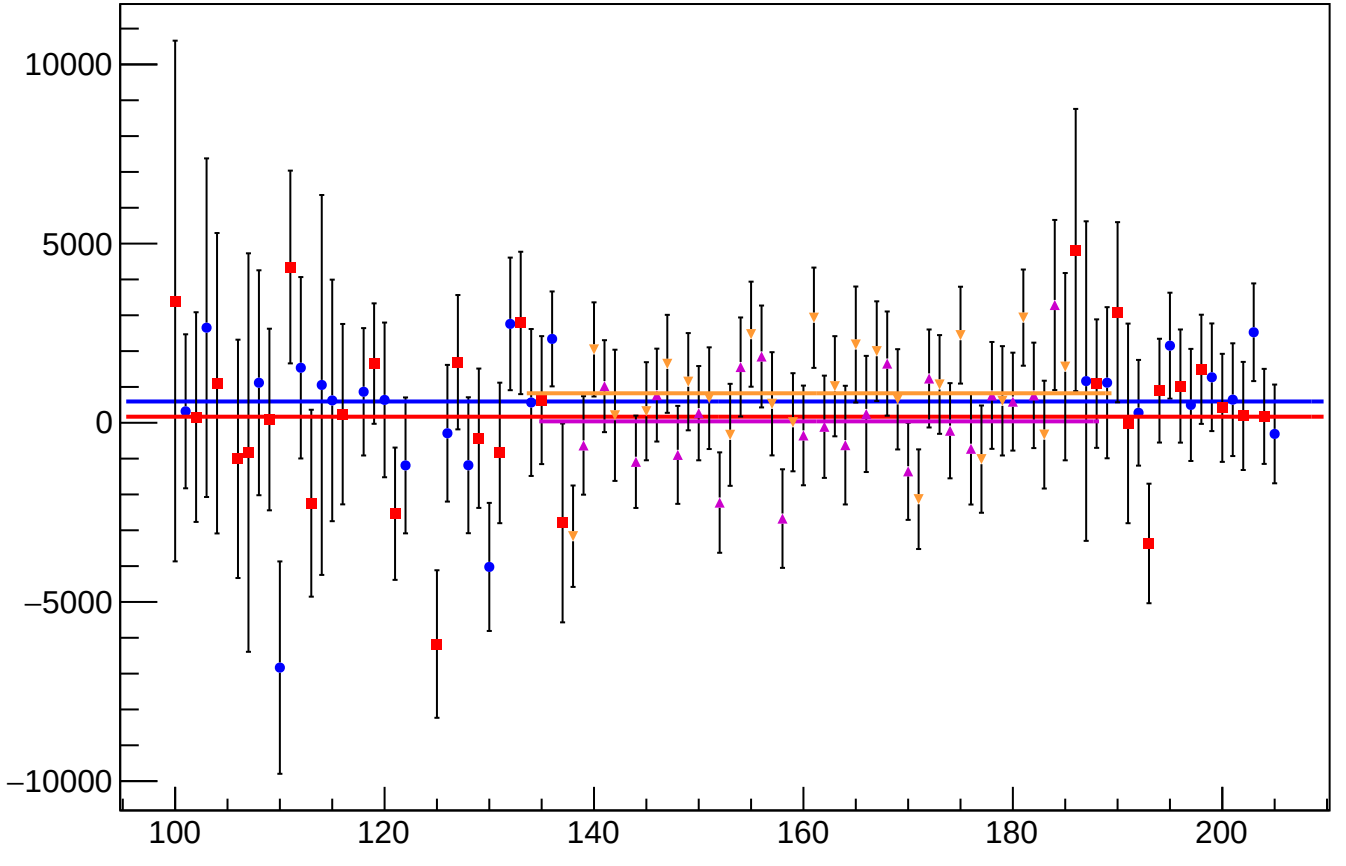
Right: 621.179+/-0.087 χ^2/NDF: 7184478.5/53

In: 576.903+/-0.074 χ^2/NDF:3912381.8/47

Out: 585.155+/-0.075 χ^2/NDF:5819589.8/52

All: 581.006+/-0.053 χ^2/NDF: 9738093.8/100

asym_usl_atl1_dd_mean vs Slug, Sign Corrected



Right In: 594.291+/-376.742 χ^2/NDF: 22.3/24

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 169.484+/-375.739 χ^2/NDF: 28.9/28

Left In: 39.696+/-296.006 χ^2/NDF:17.9/22

Left: 433.060+/-208.893 χ^2/NDF: 47.6/46

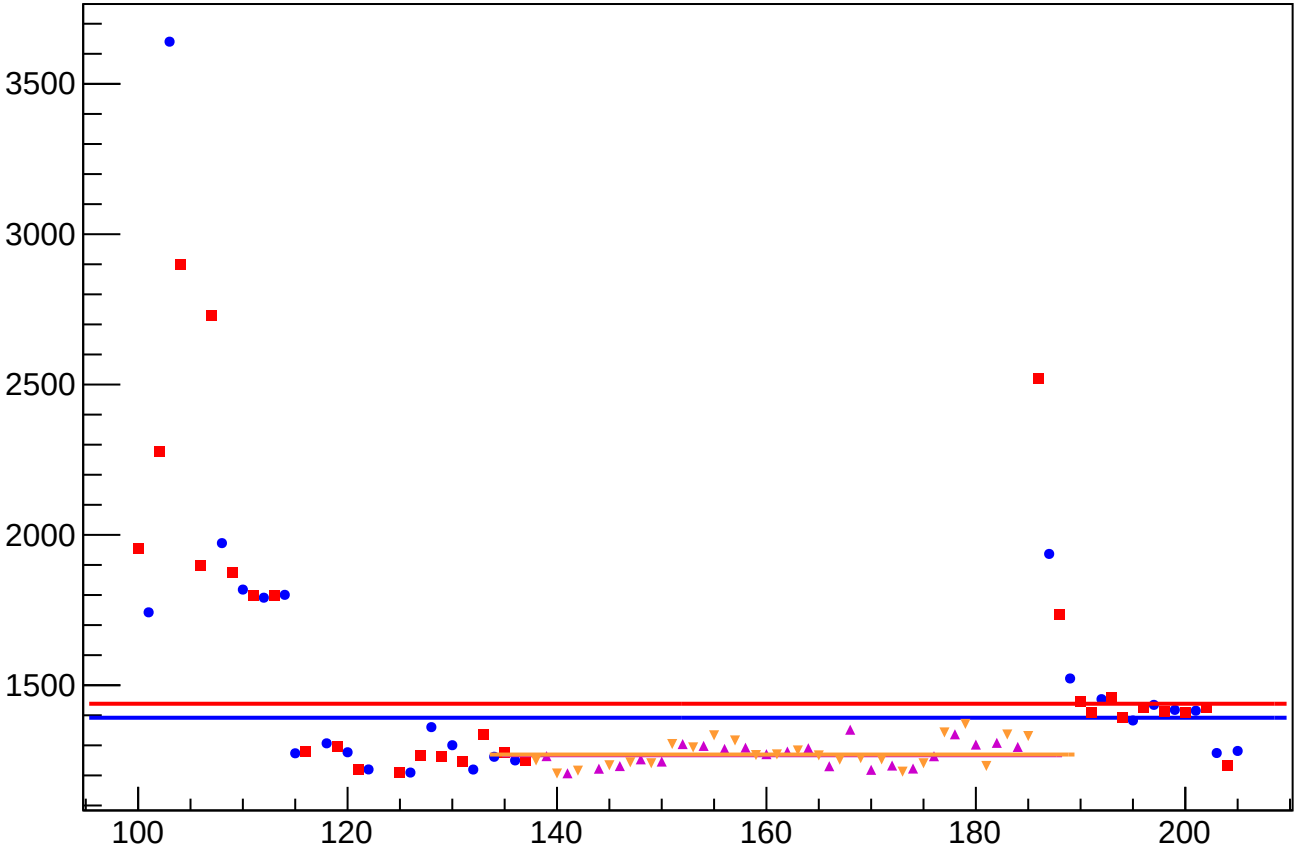
Right: 381.321+/-266.041 χ^2/NDF: 51.9/53

In: 251.382+/-232.757 χ^2/NDF:41.5/47

Out: 574.154+/-231.951 χ^2/NDF:57.0/52

All: 413.328+/-164.298 χ^2/NDF: 99.4/100

asym_usl_atl1_dd_rms vs Slug, Sign Corrected



Right In: 1391.822+/-0.266 χ^2/NDF: 850581.1/24

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1438.372+/-0.266 χ^2/NDF: 1113771.1/28

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

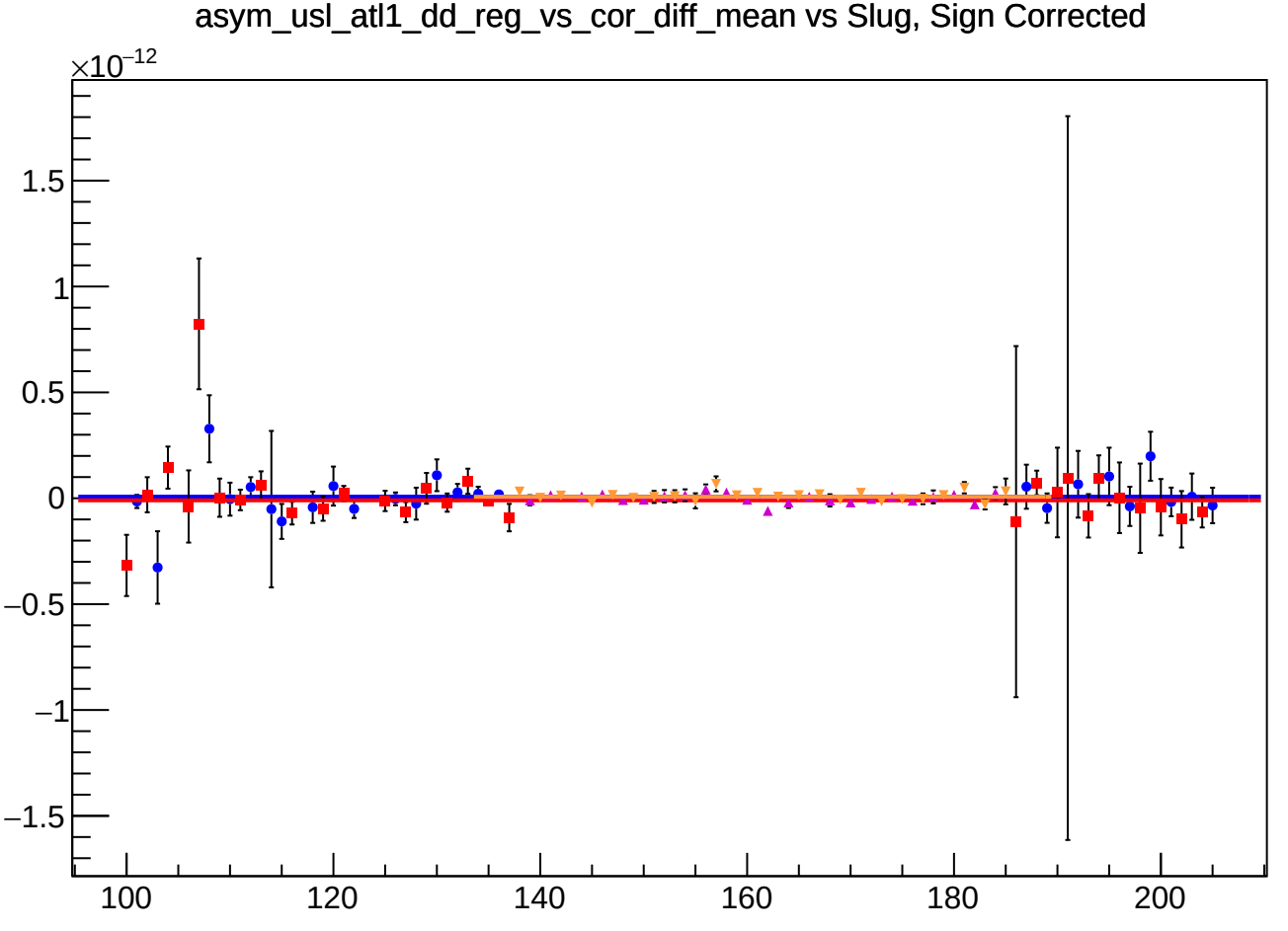
Left: 1268.258+/-0.148 χ^2/NDF: 77651.9/46

Right: 1415.159+/-0.188 χ^2/NDF: 1979659.9/53

In: 1314.684+/-0.165 χ^2/NDF:1020730.3/47

Out: 1333.817+/-0.164 χ^2/NDF:1407025.2/52

All: 1324.284+/-0.116 χ^2/NDF: 2434536.1/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/28

Left In: 0.000+/-0.000 χ^2/NDF:23.0/22

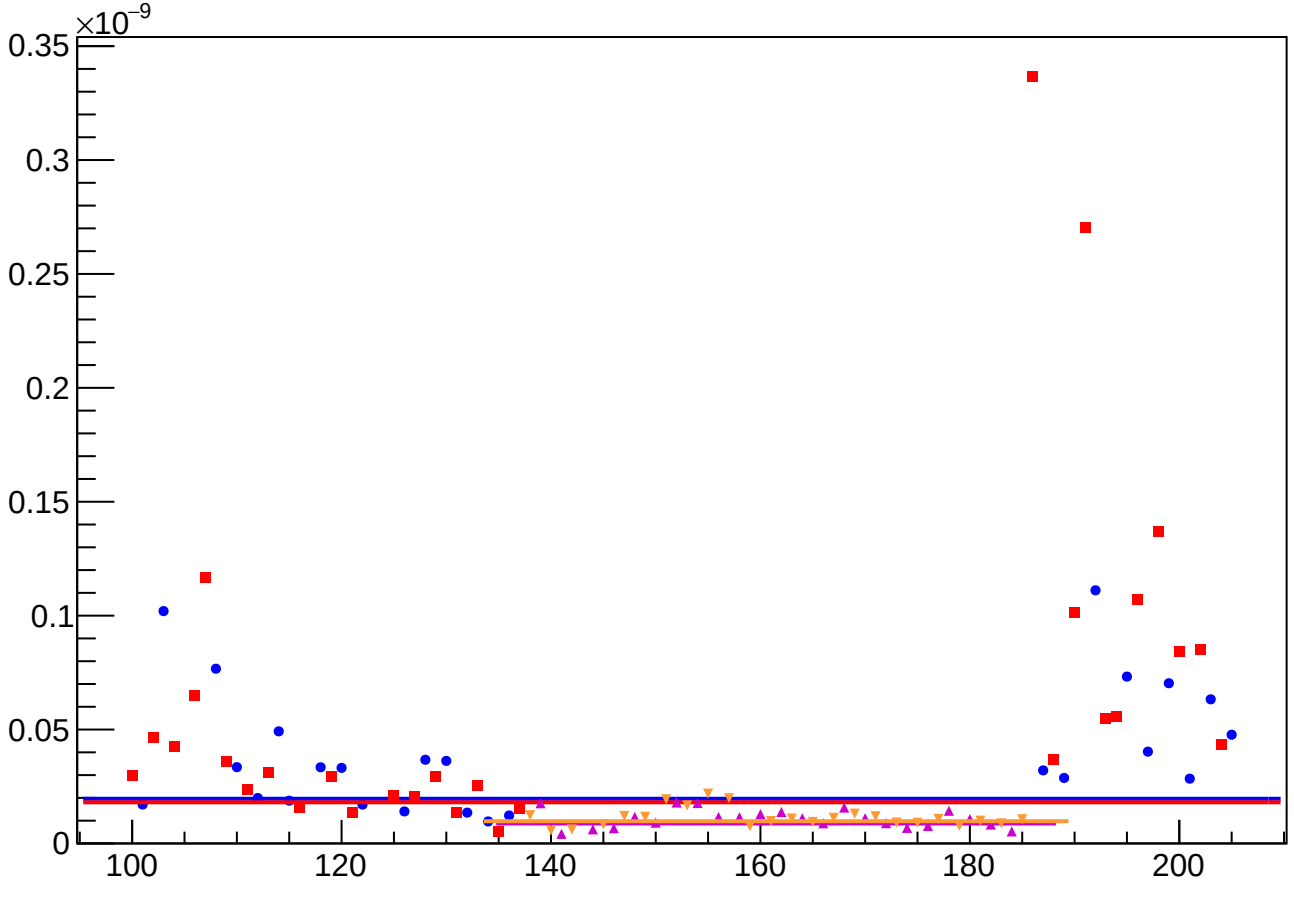
Left: 0.000+/-0.000 χ^2/NDF: 43.2/46

Right: -0.000+/-0.000 χ^2/NDF: 51.9/53

In: 0.000+/-0.000 χ^2/NDF:44.8/47

Out: 0.000+/-0.000 χ^2/NDF:50.9/52

All: 0.000+/-0.000 χ^2/NDF: 95.8/100



Right In: 0.000+/-0.000 χ^2/NDF: 3837610.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6326366.1/28

Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

Left: 0.000+/-0.000 χ^2/NDF: 3372071.7/46

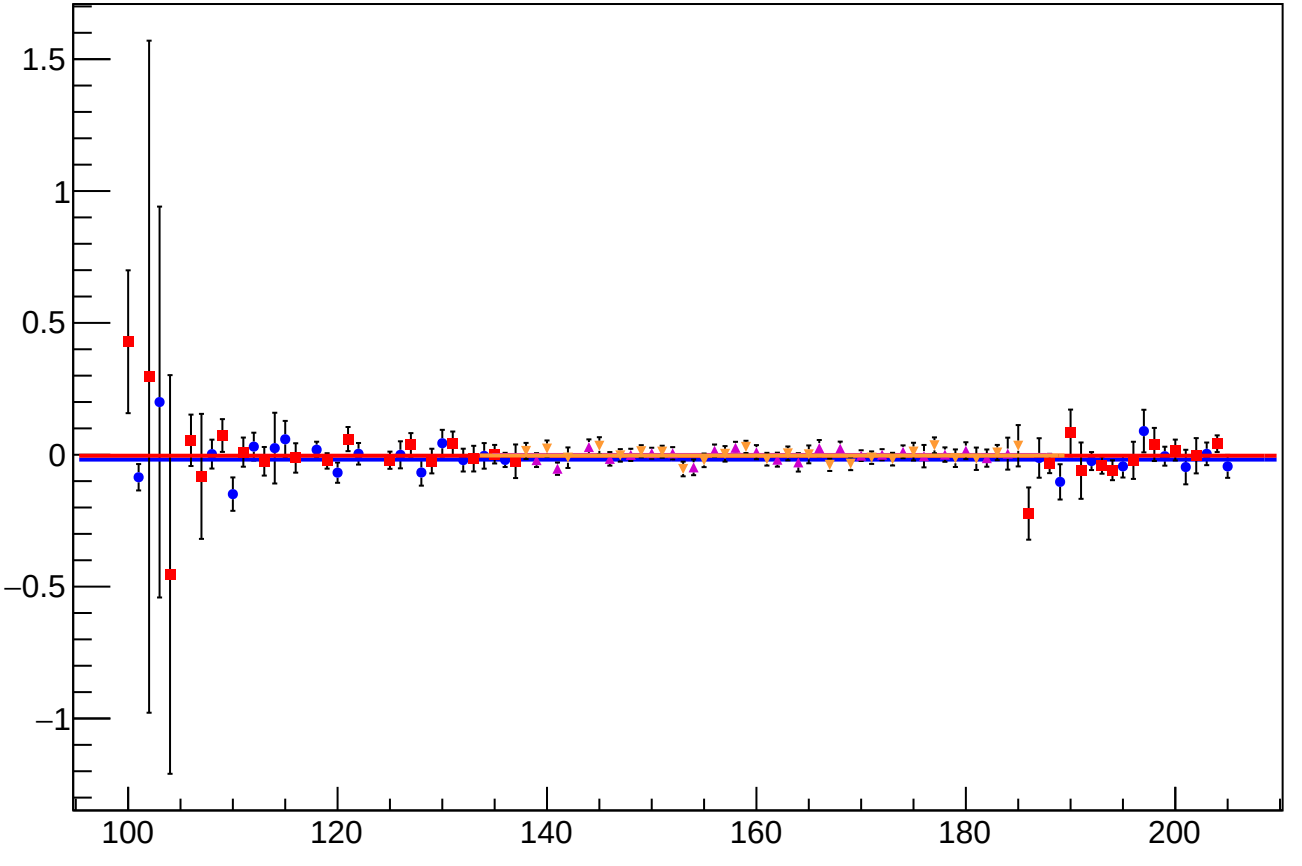
Right: 0.000+/-0.000 χ^2/NDF: 10187335.4/53

In: 0.000+/-0.000 χ^2/NDF:7750670.3/47

Out: 0.000+/-0.000 χ^2/NDF:8867867.4/52

All: 0.000+/-0.000 χ^2/NDF: 16675890.5/100

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

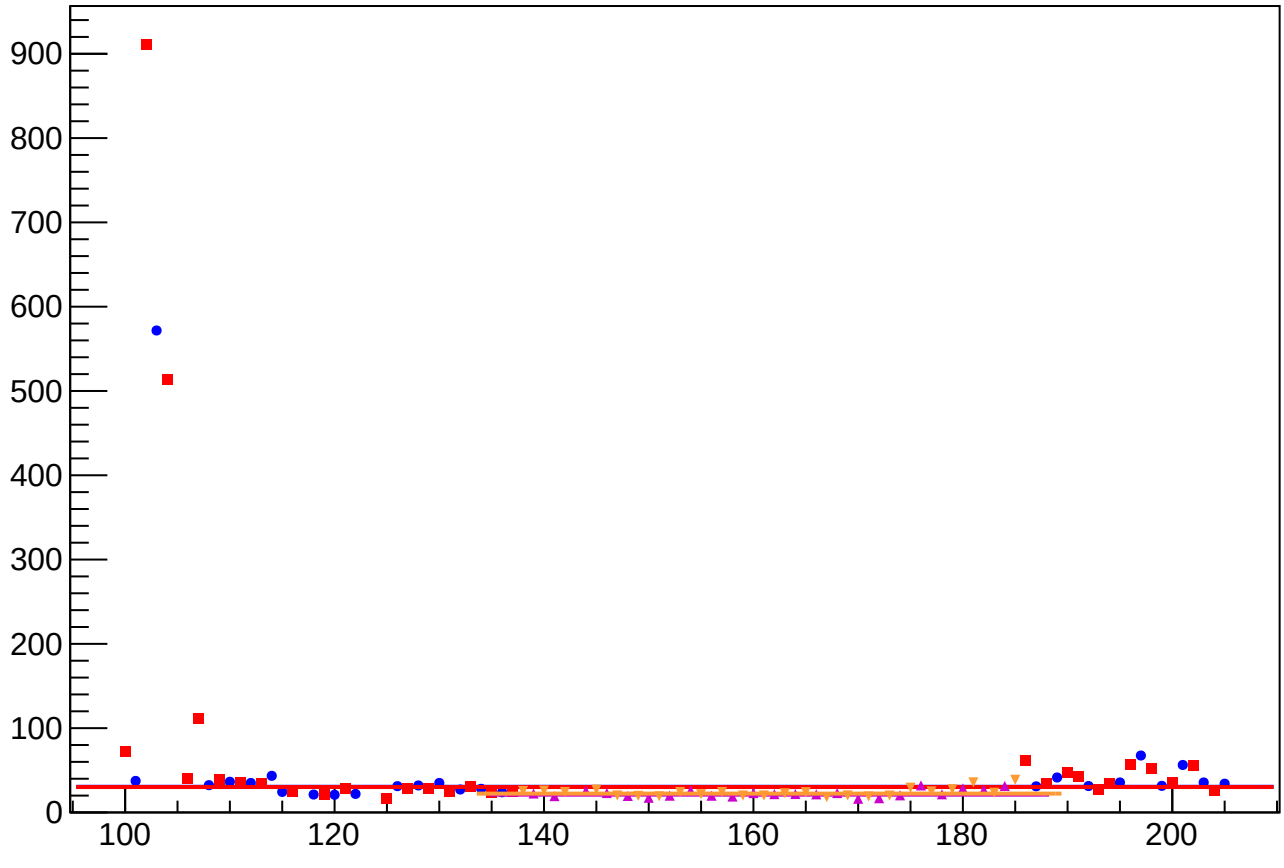
Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

Right: -0.011+/-0.007 χ^2/NDF: 43.9/53

In: -0.005+/-0.005 χ^2/NDF:36.9/47

Out: -0.003+/-0.005 χ^2/NDF:39.6/52

All: -0.004+/-0.003 χ^2/NDF: 76.6/100



Right In: 30.446+/-0.007 χ^2/NDF: 2579614.4/24

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091617.6/28

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

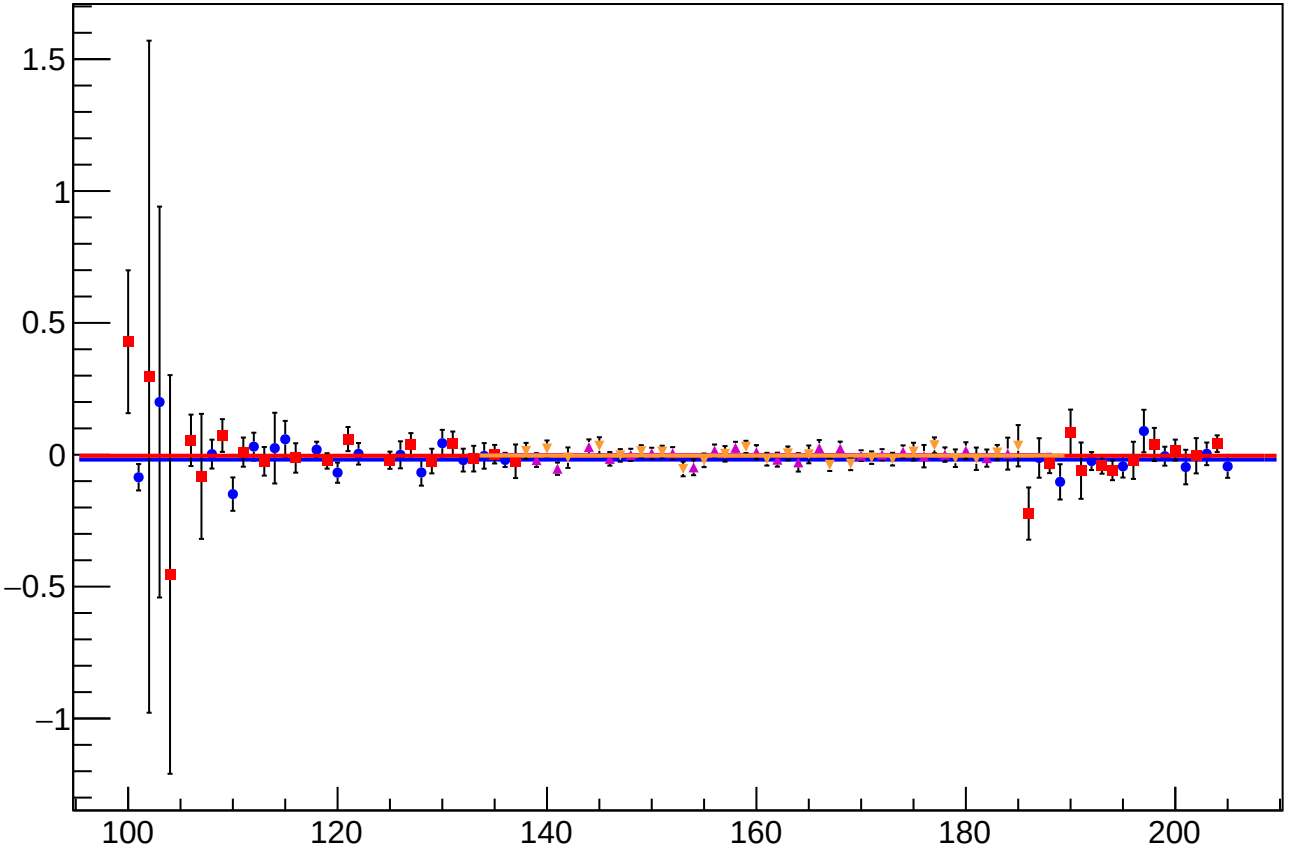
Right: 30.305+/-0.005 χ^2/NDF: 6672128.1/53

In: 23.495+/-0.003 χ^2/NDF:4898101.8/47

Out: 24.532+/-0.003 χ^2/NDF:5960994.0/52

All: 24.001+/-0.002 χ^2/NDF: 10906370.6/100

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

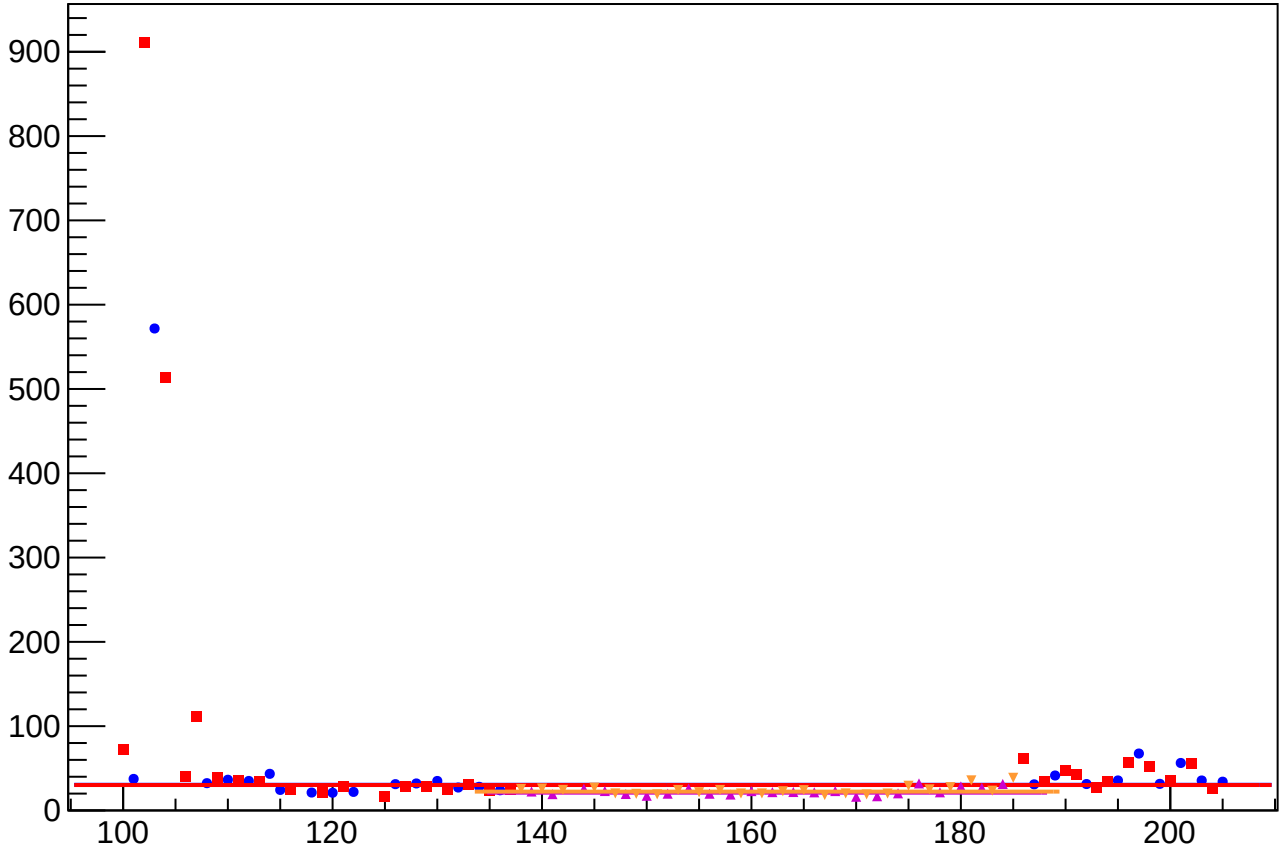
Right: -0.011+/-0.007 χ^2/NDF: 43.9/53

In: -0.005+/-0.005 χ^2/NDF:36.9/47

Out: -0.003+/-0.005 χ^2/NDF:39.6/52

All: -0.004+/-0.003 χ^2/NDF: 76.6/100

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.446+/-0.007 χ^2/NDF: 2579614.4/24

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091617.6/28

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

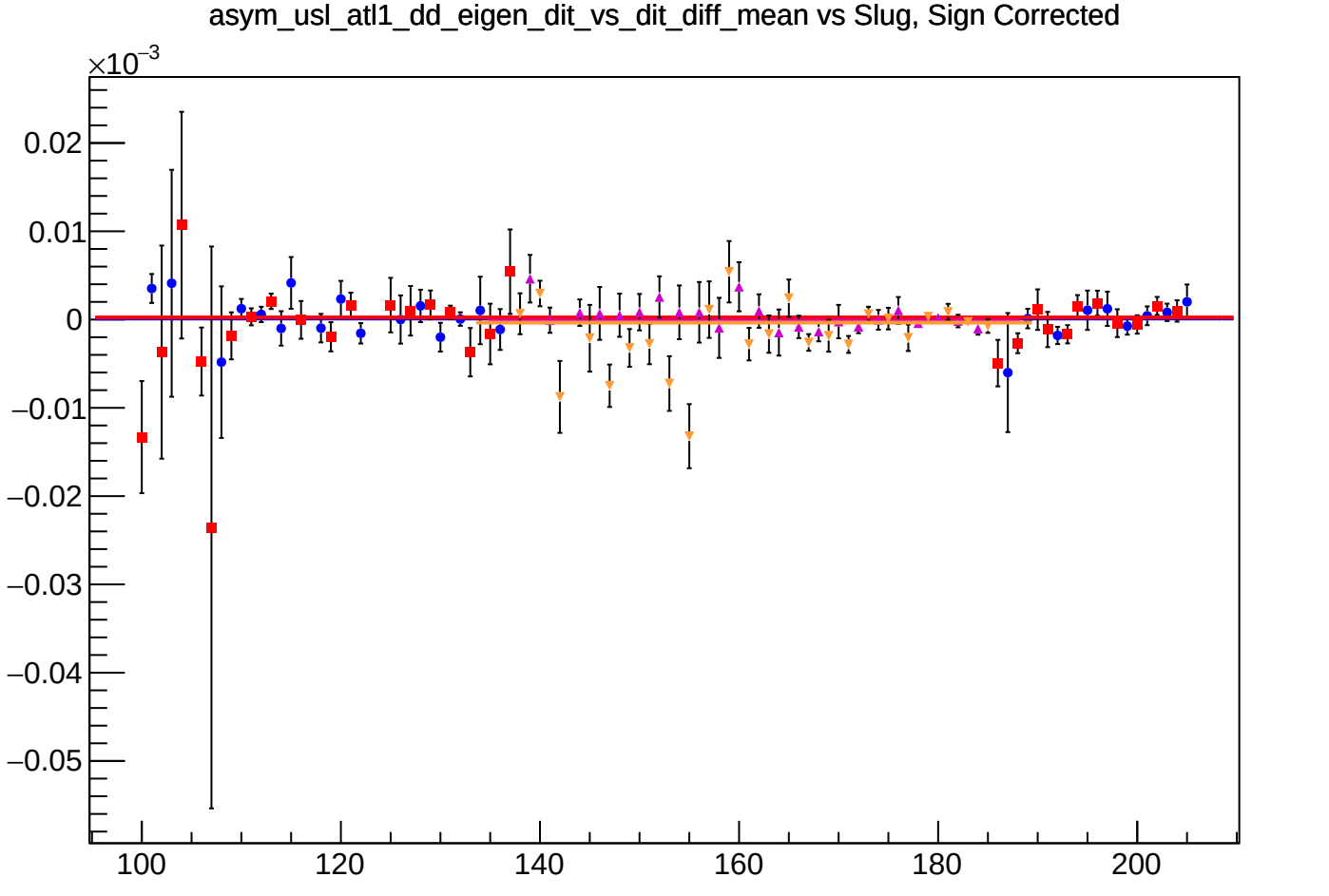
Left: 21.703+/-0.003 χ^2/NDF: 1686083.7/46

Right: 30.305+/-0.005 χ^2/NDF: 6672128.1/53

In: 23.495+/-0.003 χ^2/NDF:4898101.8/47

Out: 24.532+/-0.003 χ^2/NDF:5960994.0/52

All: 24.001+/-0.002 χ^2/NDF: 10906370.6/100



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 40.1/28

Left In: -0.000+/-0.000 χ^2/NDF:14.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

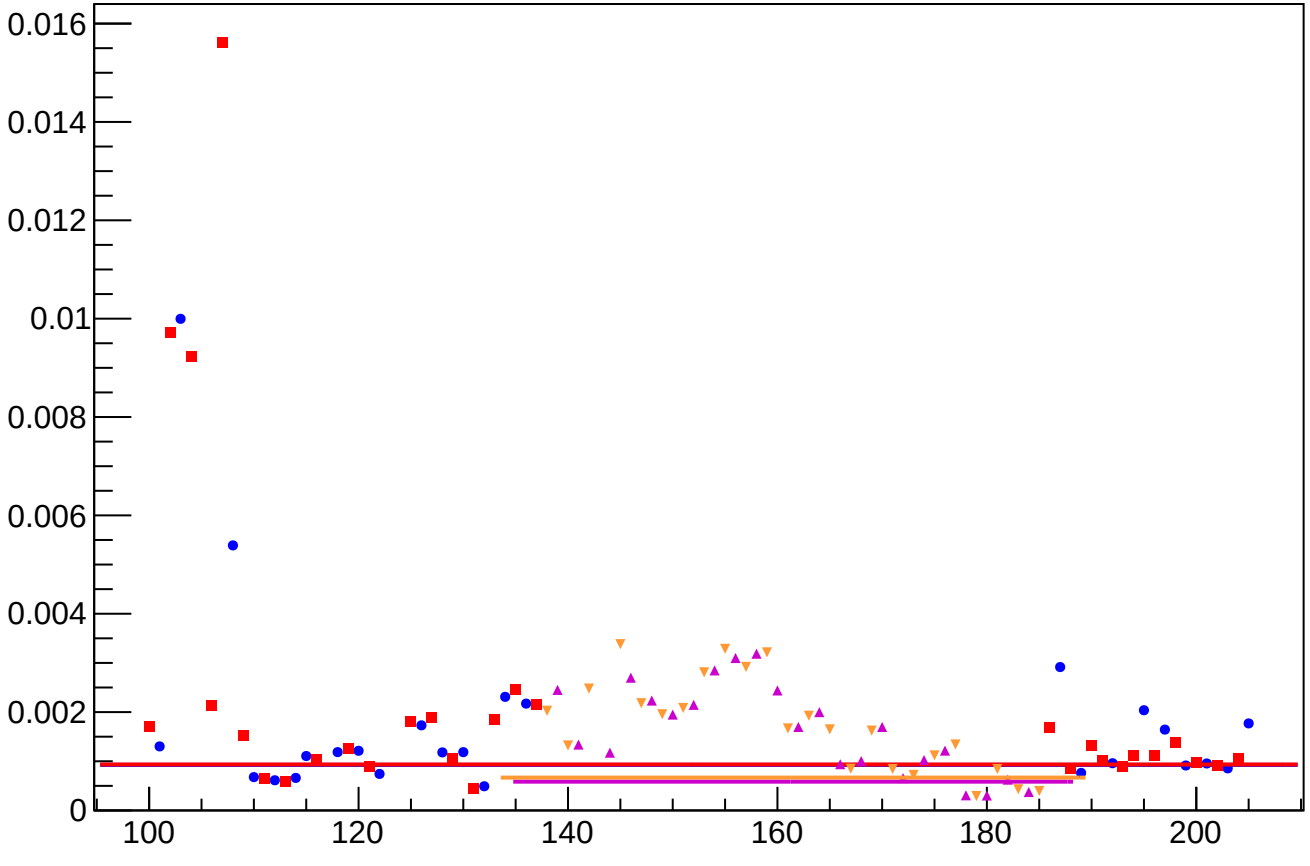
Right: 0.000+/-0.000 χ^2/NDF: 62.2/53

In: -0.000+/-0.000 χ^2/NDF:36.9/47

Out: -0.000+/-0.000 χ^2/NDF:110.9/52

All: -0.000+/-0.000 χ^2/NDF: 148.0/100

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 5311394.2/24

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 5638352.7/28

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

Left: 0.001+/-0.000 χ^2/NDF: 31210781.6/46

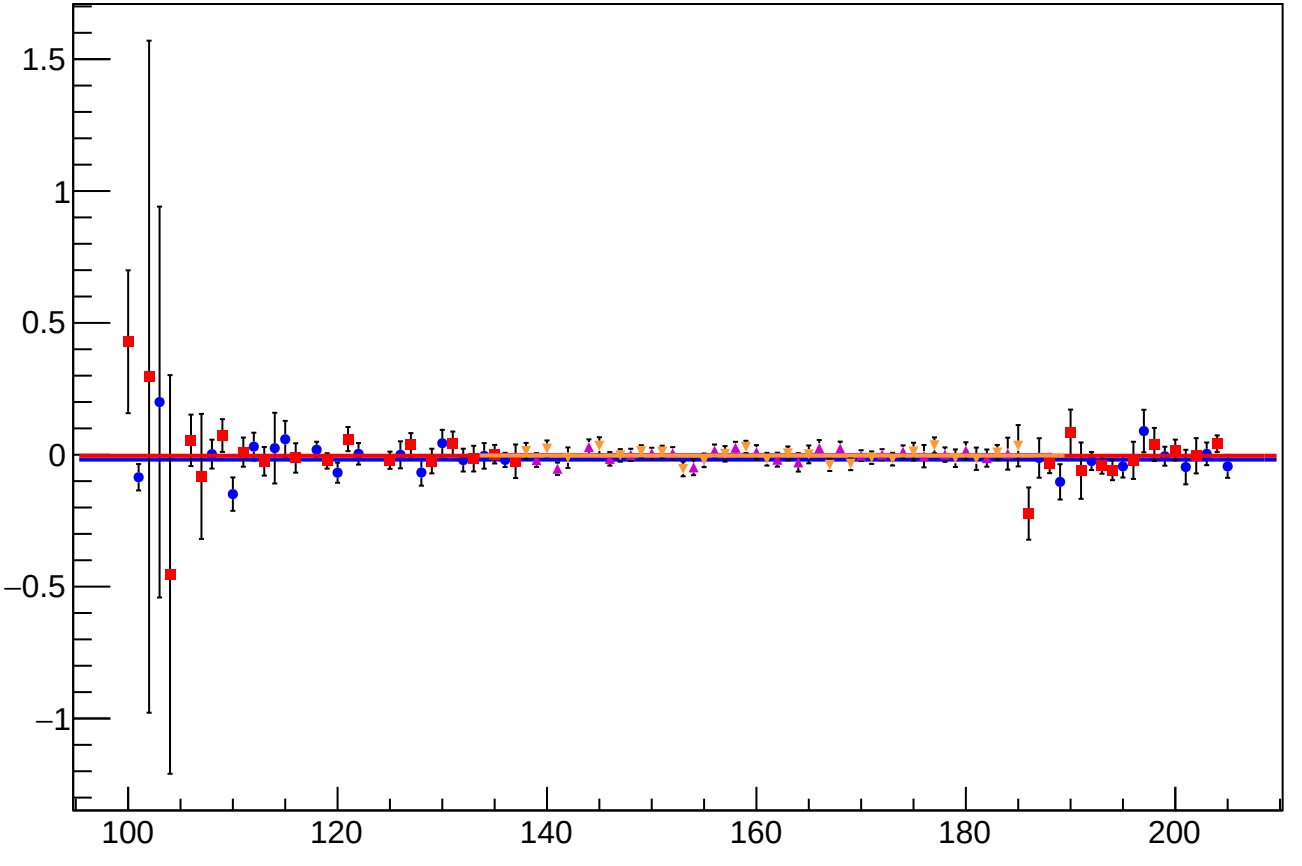
Right: 0.001+/-0.000 χ^2/NDF: 10950501.3/53

In: 0.001+/-0.000 χ^2/NDF:23006552.1/47

Out: 0.001+/-0.000 χ^2/NDF:22184480.1/52

All: 0.001+/-0.000 χ^2/NDF: 45382164.0/100

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

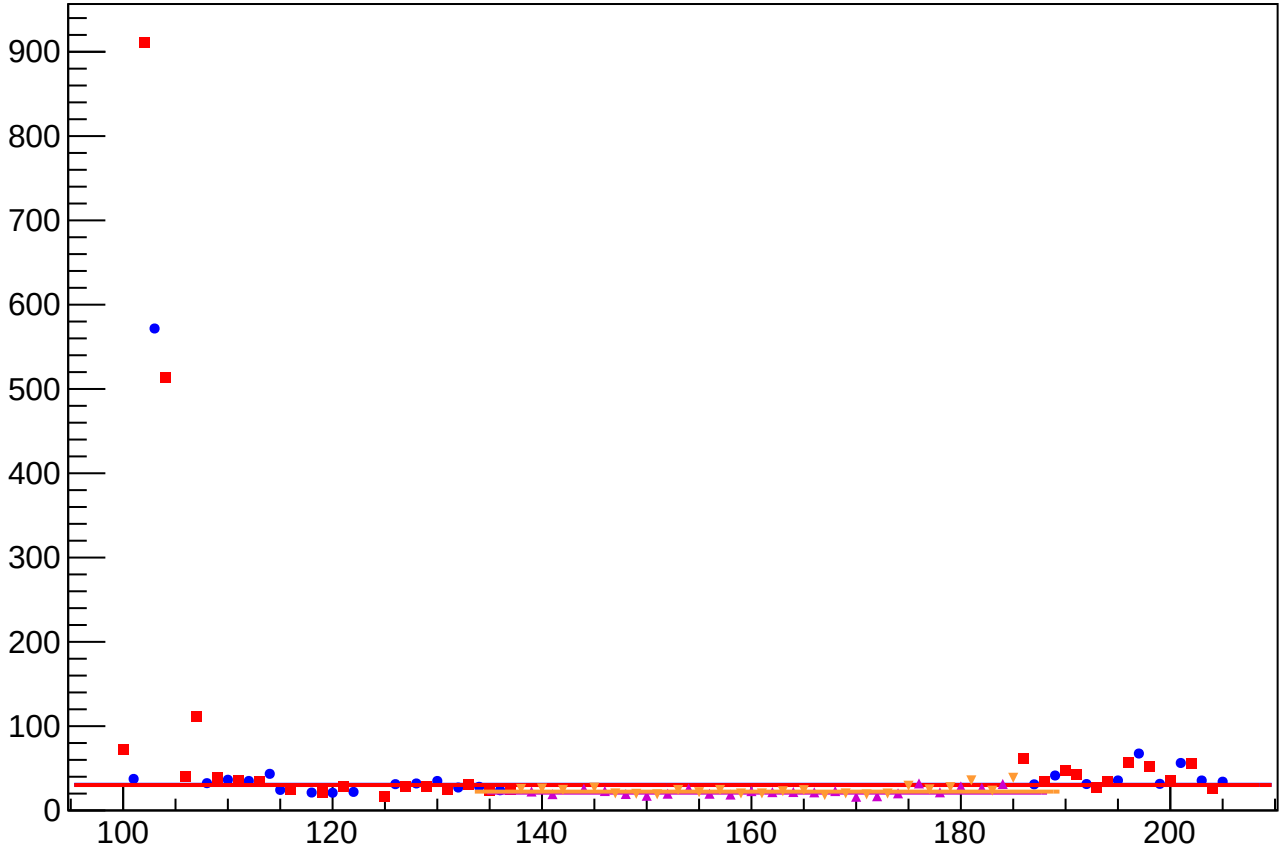
Right: -0.011+/-0.007 χ^2/NDF: 43.9/53

In: -0.005+/-0.005 χ^2/NDF:36.9/47

Out: -0.003+/-0.005 χ^2/NDF:39.6/52

All: -0.004+/-0.003 χ^2/NDF: 76.6/100

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.446+/-0.007 χ^2/NDF: 2579635.0/24

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091634.7/28

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

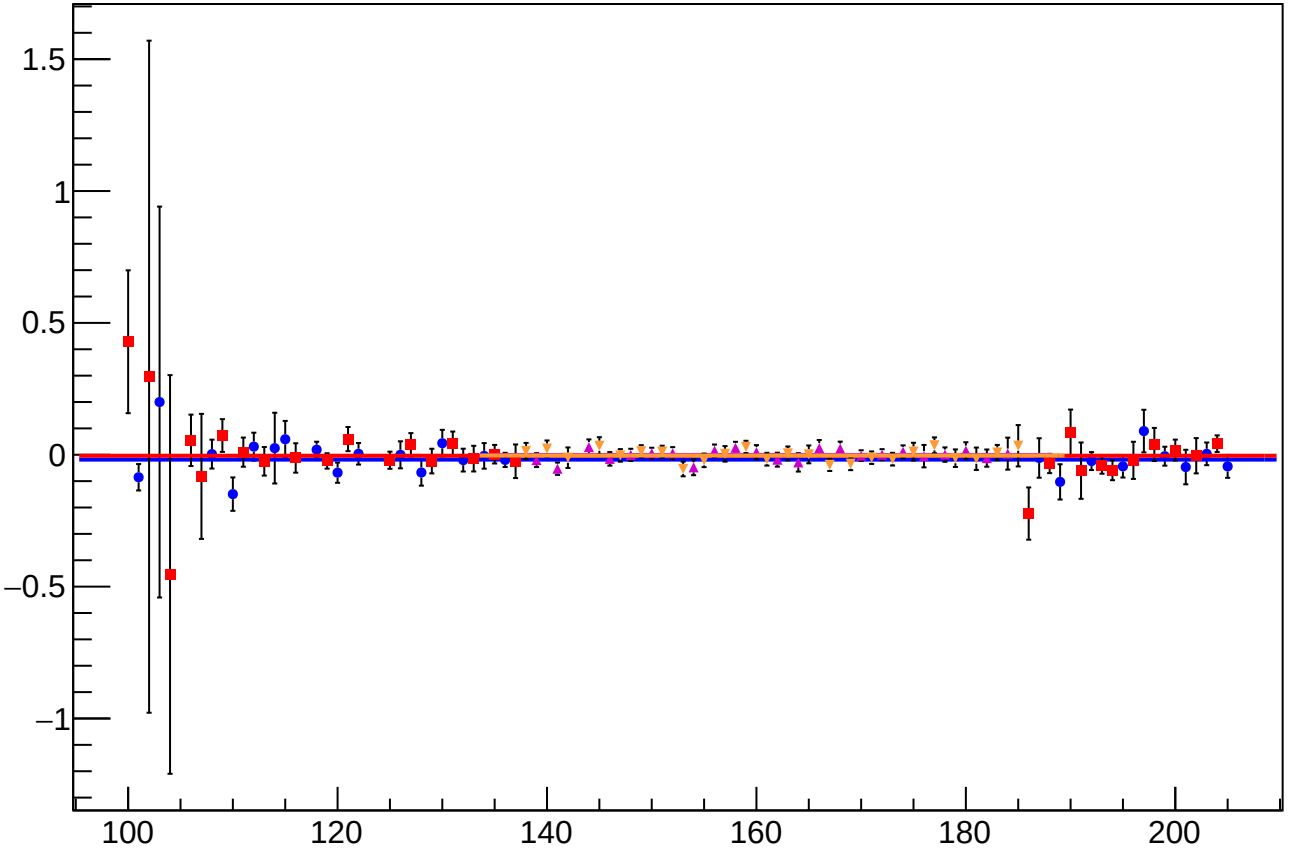
Right: 30.305+/-0.005 χ^2/NDF: 6672165.6/53

In: 23.495+/-0.003 χ^2/NDF:4898146.1/47

Out: 24.532+/-0.003 χ^2/NDF:5961003.6/52

All: 24.001+/-0.002 χ^2/NDF: 10906423.5/100

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.004+/-0.009 χ^2/NDF: 23.2/28

Left In: -0.001+/-0.005 χ^2/NDF:14.9/22

Left: -0.002+/-0.004 χ^2/NDF: 31.3/46

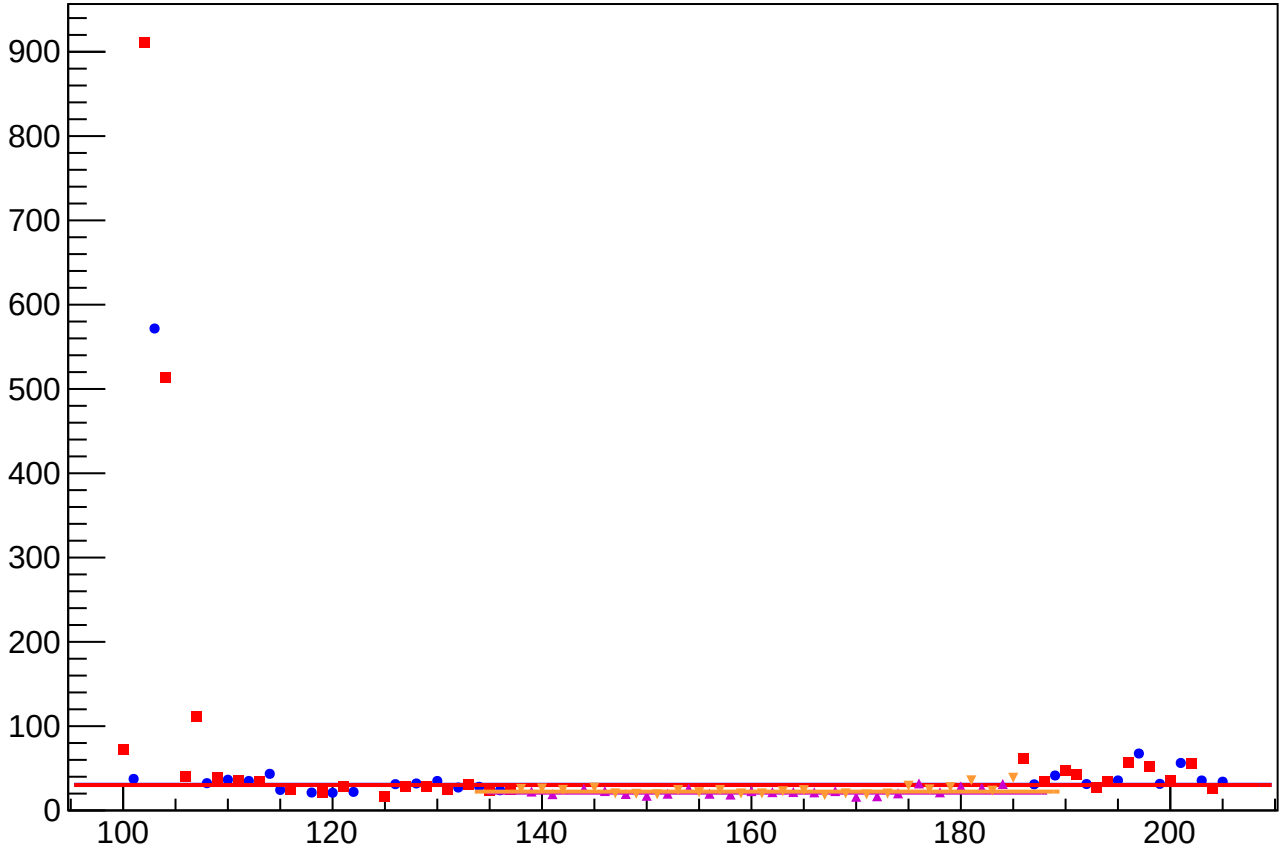
Right: -0.011+/-0.007 χ^2/NDF: 43.9/53

In: -0.005+/-0.005 χ^2/NDF:36.9/47

Out: -0.003+/-0.005 χ^2/NDF:39.6/52

All: -0.004+/-0.003 χ^2/NDF: 76.6/100

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.446+/-0.007 χ^2/NDF: 2579635.0/24

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

Right Out: 30.170+/-0.006 χ^2/NDF: 4091634.7/28

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

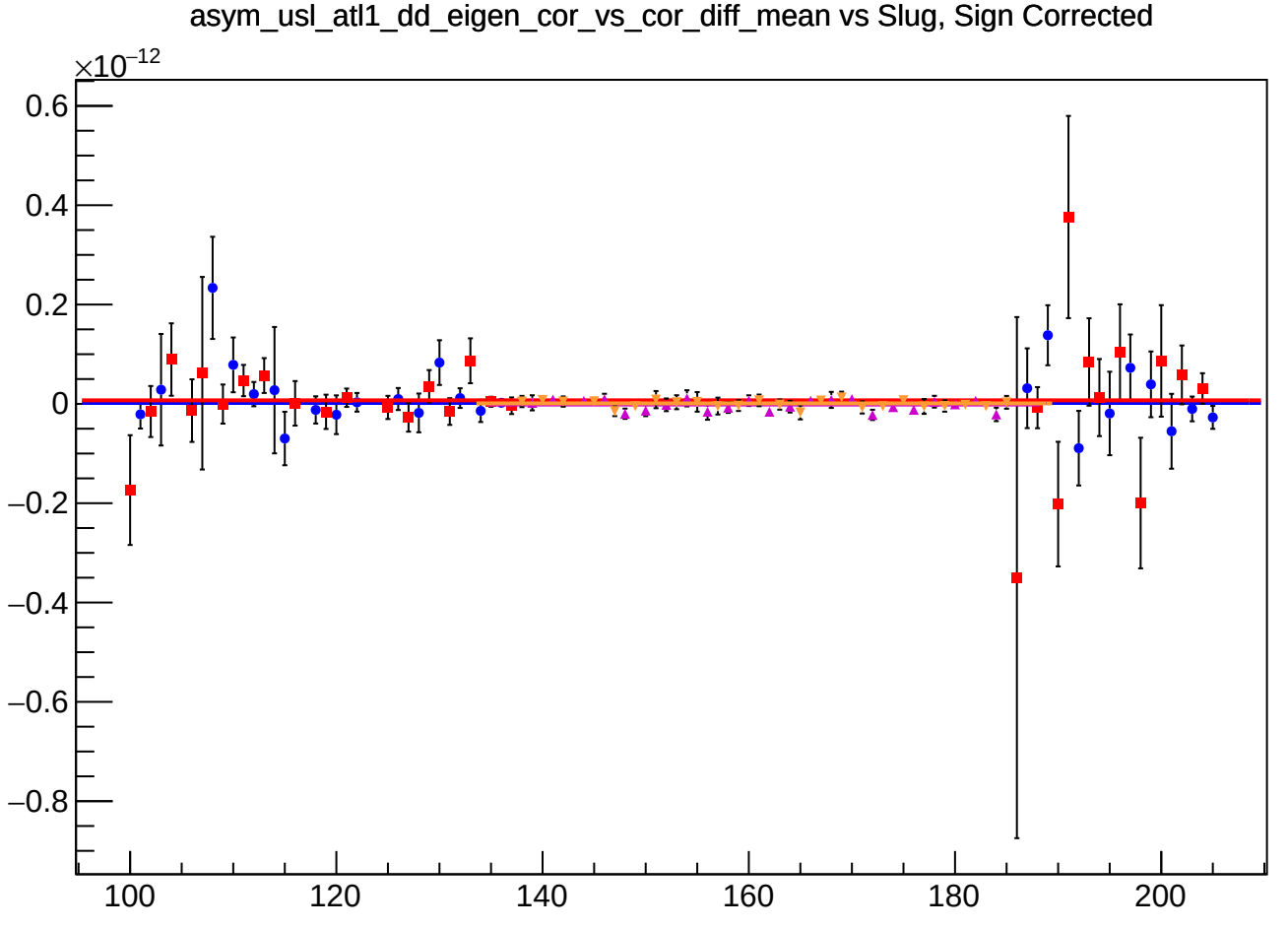
Left: 21.703+/-0.003 χ^2/NDF: 1686066.1/46

Right: 30.305+/-0.005 χ^2/NDF: 6672165.6/53

In: 23.495+/-0.003 χ^2/NDF:4898146.1/47

Out: 24.532+/-0.003 χ^2/NDF:5961003.6/52

All: 24.001+/-0.002 χ^2/NDF: 10906423.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 28.1/28

Left In: -0.000+/-0.000 χ^2/NDF:25.8/22

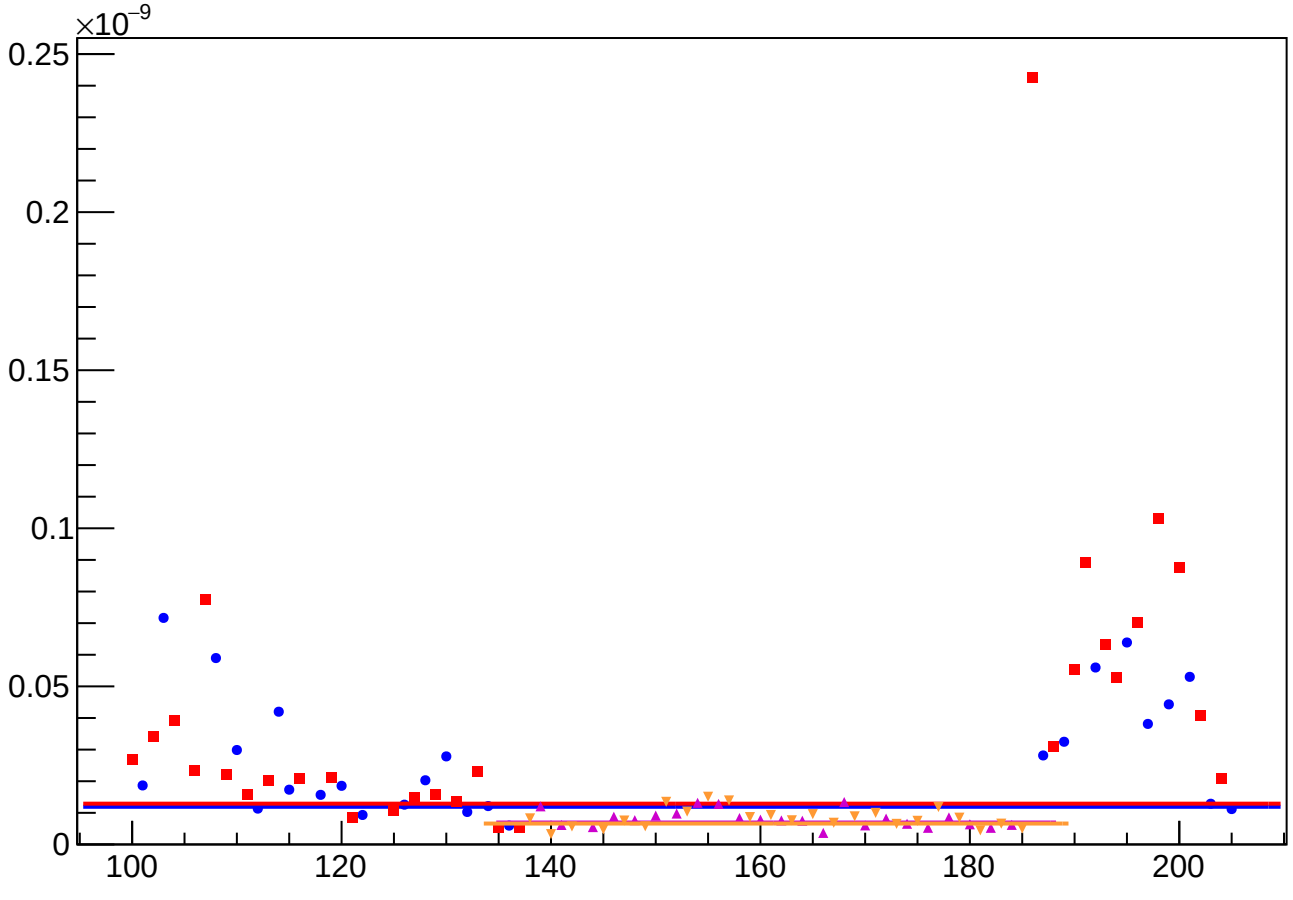
Left: -0.000+/-0.000 χ^2/NDF: 38.0/46

Right: 0.000+/-0.000 χ^2/NDF: 54.2/53

In: -0.000+/-0.000 χ^2/NDF:51.7/47

Out: 0.000+/-0.000 χ^2/NDF:40.7/52

All: 0.000+/-0.000 χ^2/NDF: 93.3/100



Right In: 0.000+/-0.000 χ^2/NDF: 6071475.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8640266.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

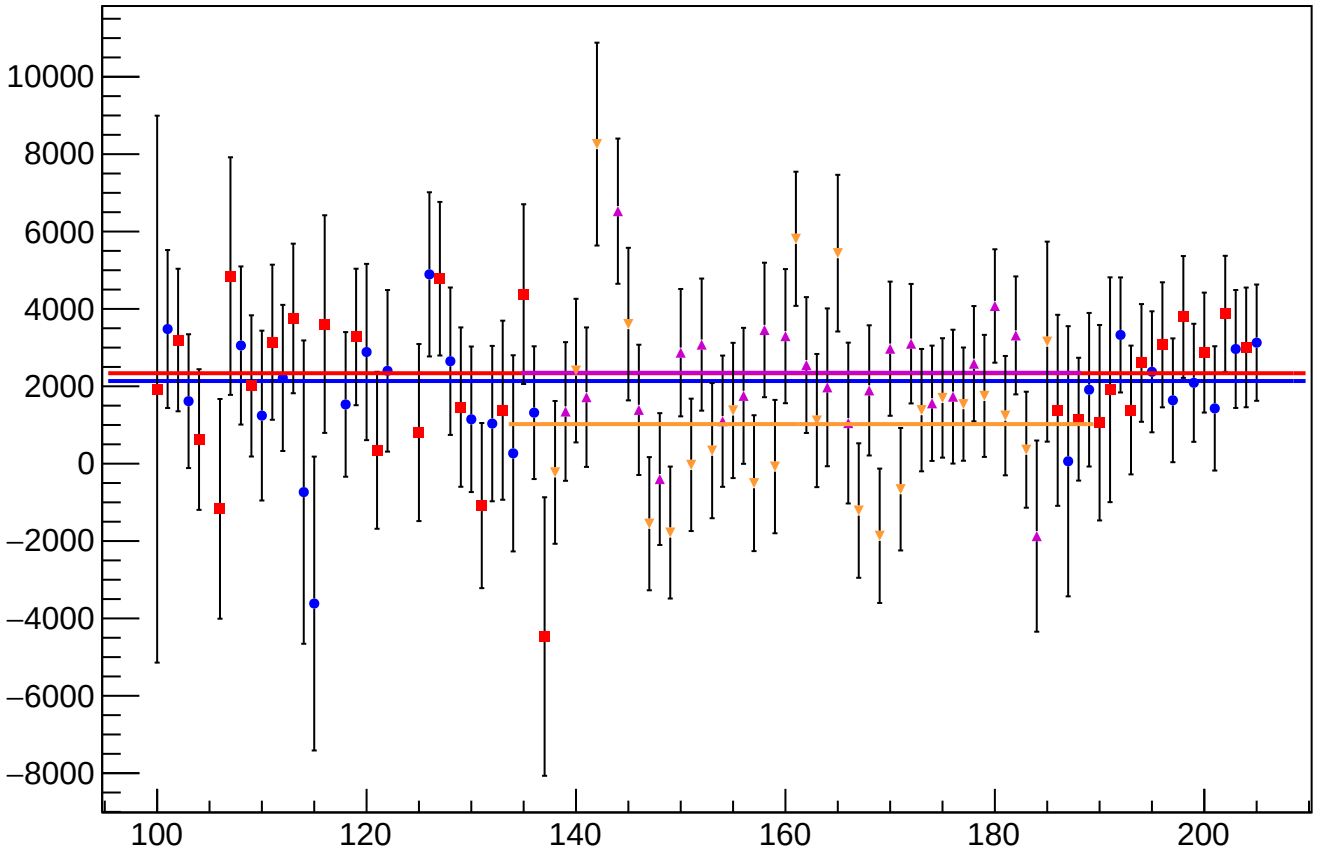
Left: 0.000+/-0.000 χ^2/NDF: 5798902.3/46

Right: 0.000+/-0.000 χ^2/NDF: 14743023.0/53

In: 0.000+/-0.000 χ^2/NDF:9907128.3/47

Out: 0.000+/-0.000 χ^2/NDF:14192182.6/52

All: 0.000+/-0.000 χ^2/NDF: 24125547.4/100



Right In: 2136.220+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: 2337.998+/-367.670 χ^2/NDF: 18.5/28

Left In: 2349.189+/-357.068 χ^2/NDF:16.0/22

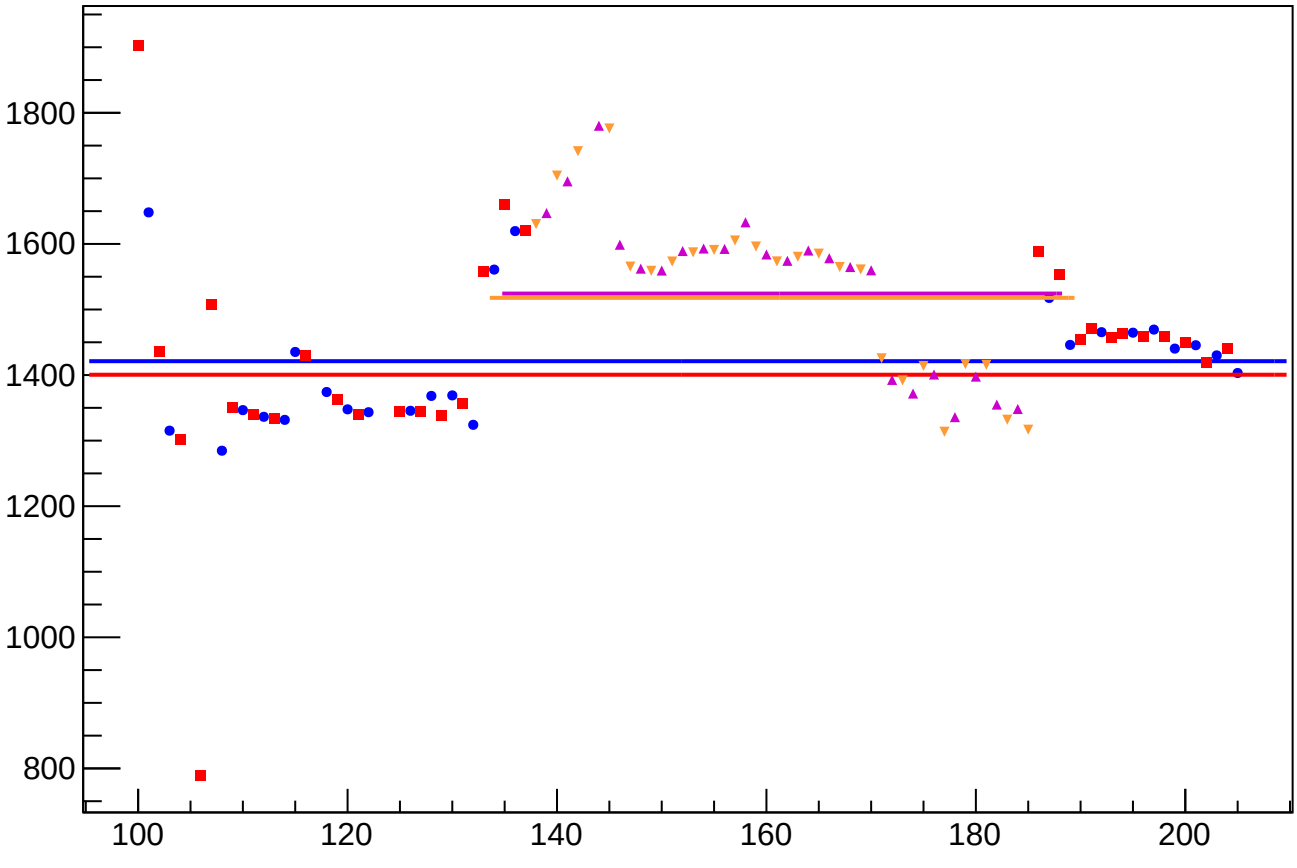
Left: 1679.158+/-251.199 χ^2/NDF: 59.4/46

Right: 2240.289+/-264.047 χ^2/NDF: 27.7/53

In: 2249.169+/-260.037 χ^2/NDF:25.3/47

Out: 1654.388+/-254.809 χ^2/NDF:61.6/52

All: 1945.740+/-181.997 χ^2/NDF: 89.5/100



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1400.500+/-0.256 χ^2/NDF: 395648.8/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

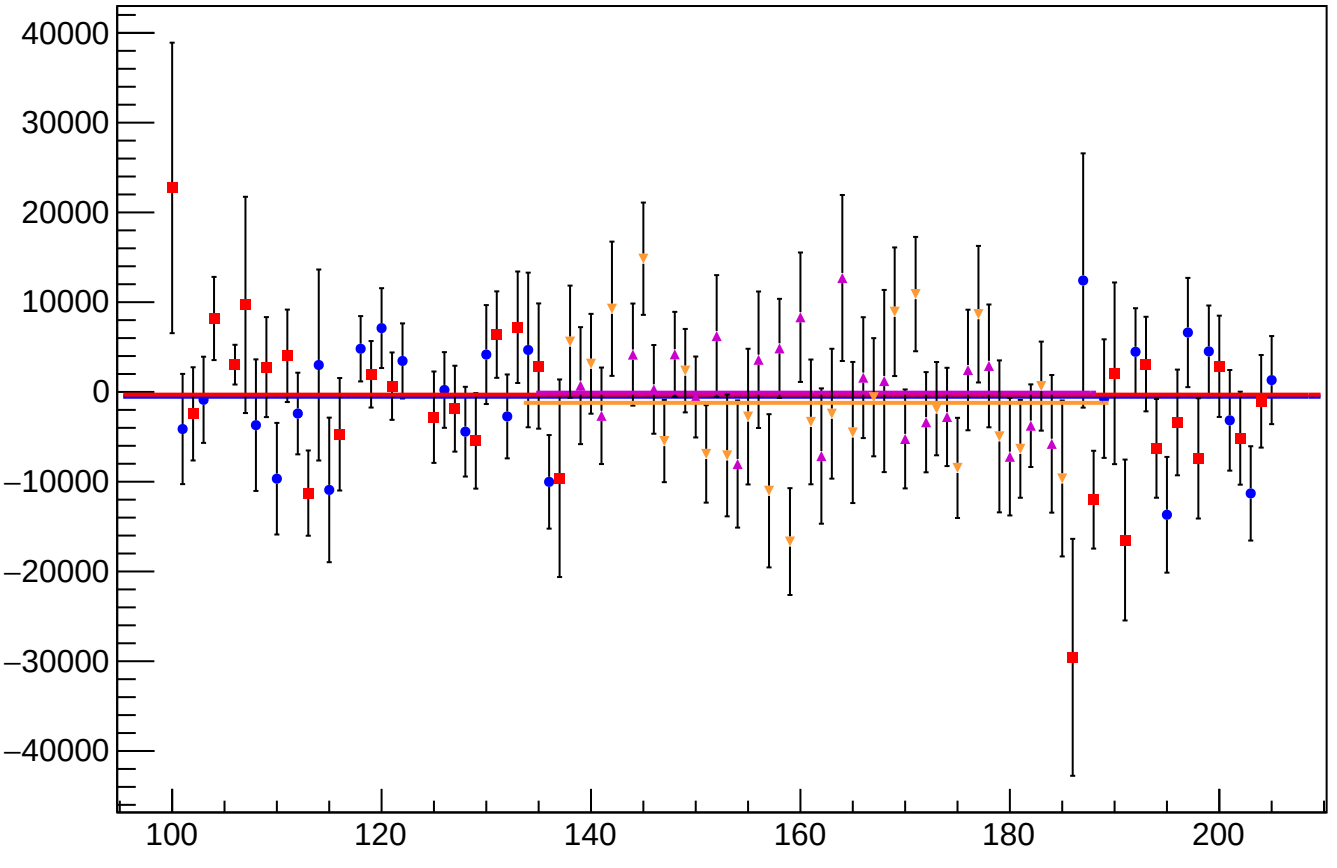
Left: 1521.032+/-0.178 χ^2/NDF: 458613.7/46

Right: 1410.339+/-0.185 χ^2/NDF: 504663.5/53

In: 1475.870+/-0.184 χ^2/NDF:408614.7/47

Out: 1460.521+/-0.179 χ^2/NDF:737208.3/52

All: 1467.980+/-0.128 χ^2/NDF: 1149405.1/10



Right In: -532.740+/-1075.367 χ^2/NDF: 28.9/24

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -299.550+/-959.819 χ^2/NDF: 38.5/28

Left In: -80.780+/-1264.327 χ^2/NDF:13.2/22

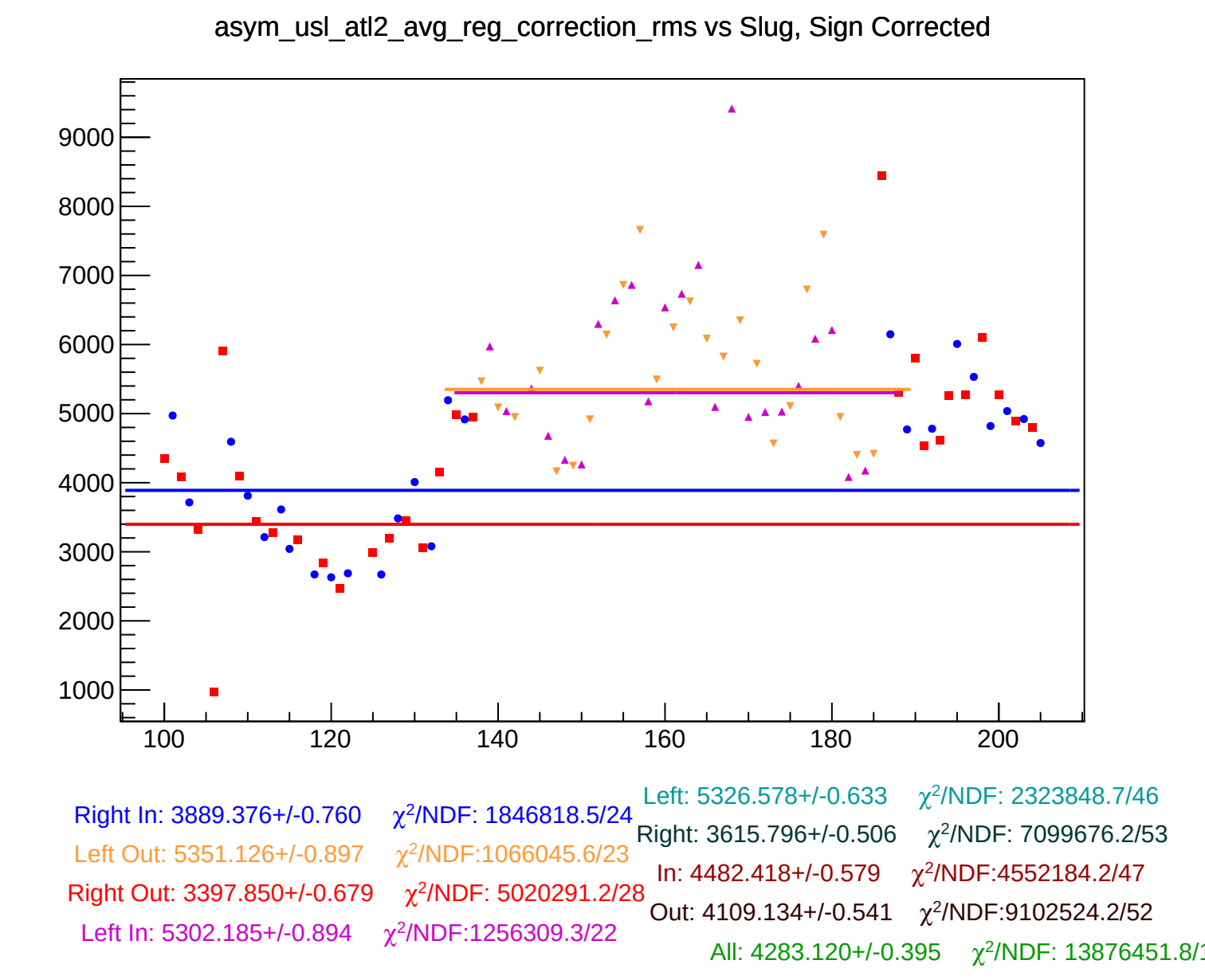
Left: -644.555+/-895.421 χ^2/NDF: 46.8/46

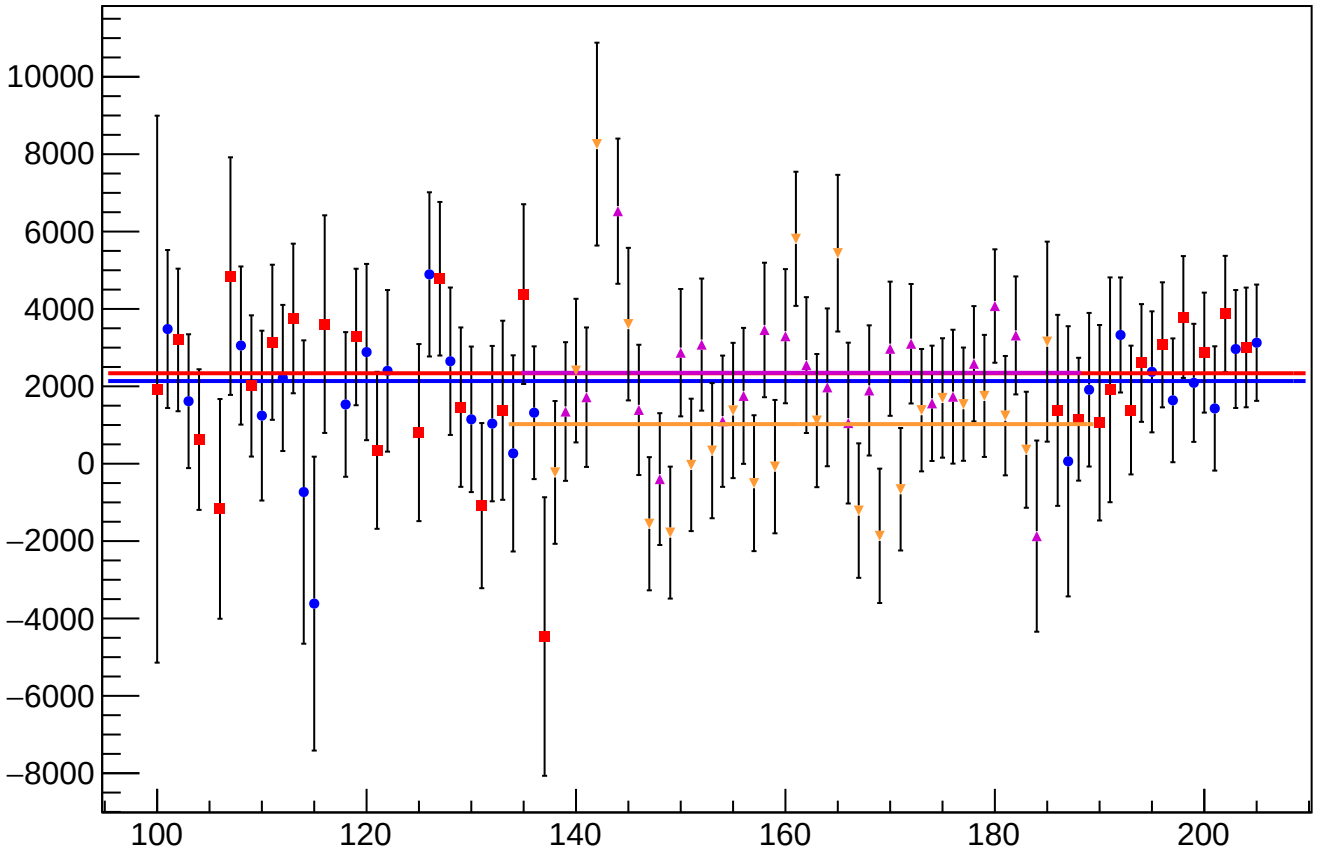
Right: -402.948+/-716.074 χ^2/NDF: 67.4/53

In: -343.025+/-819.144 χ^2/NDF:42.2/47

Out: -631.779+/-765.362 χ^2/NDF:72.0/52

All: -497.192+/-559.240 χ^2/NDF: 114.3/100


asym_usl_atl2_avg_reg_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 3889.376+/-0.760 χ²/NDF: 1846818.5/24
Left Out: 5351.126+/-0.897 χ²/NDF:1066045.6/23
Right Out: 3397.850+/-0.679 χ²/NDF: 5020291.2/28
Left In: 5302.185+/-0.894 χ²/NDF:1256309.3/22
Left: 5326.578+/-0.633 χ²/NDF: 2323848.7/46
Right: 3615.796+/-0.506 χ²/NDF: 7099676.2/53
In: 4482.418+/-0.579 χ²/NDF:4552184.2/47
Out: 4109.134+/-0.541 χ²/NDF:9102524.2/52
All: 4283.120+/-0.395 χ²/NDF: 13876451.8/



Right In: 2136.205+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2338.083+/-367.671 χ^2/NDF: 18.5/28

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

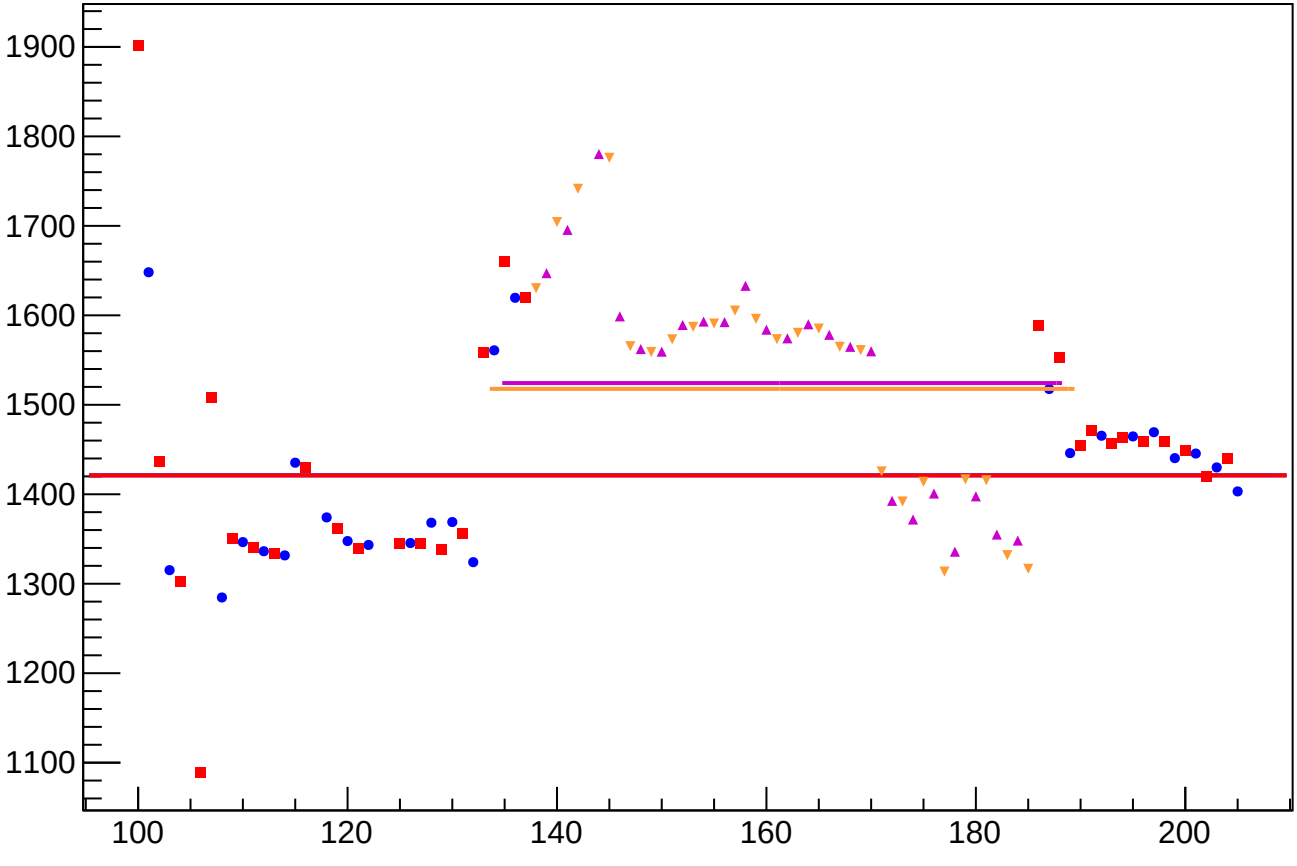
Right: 2240.325+/-264.048 χ^2/NDF: 27.7/53

In: 2249.161+/-260.037 χ^2/NDF:25.3/47

Out: 1654.443+/-254.810 χ^2/NDF:61.6/52

All: 1945.764+/-181.998 χ^2/NDF: 89.5/100

cor_asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1421.077+/-0.258 χ^2/NDF: 159112.3/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

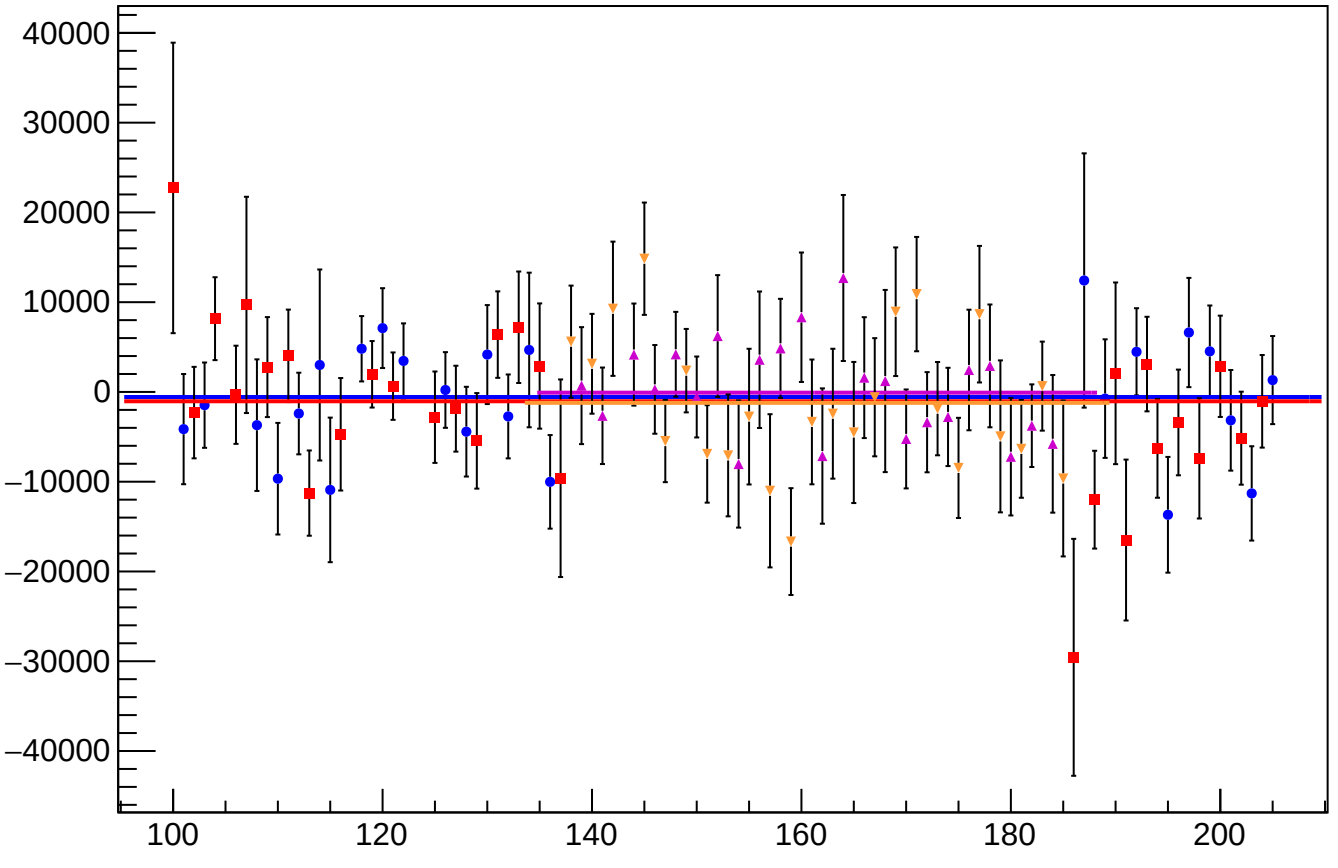
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1421.119+/-0.186 χ^2/NDF: 265020.1/53

In: 1475.870+/-0.184 χ^2/NDF:408614.8/47

Out: 1471.026+/-0.180 χ^2/NDF:465529.6/52

All: 1473.391+/-0.128 χ^2/NDF: 874499.6/100



Right In: -563.945+/-1074.803 χ^2/NDF: 28.9/24

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1038.745+/-1044.449 χ^2/NDF: 35.7/28

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

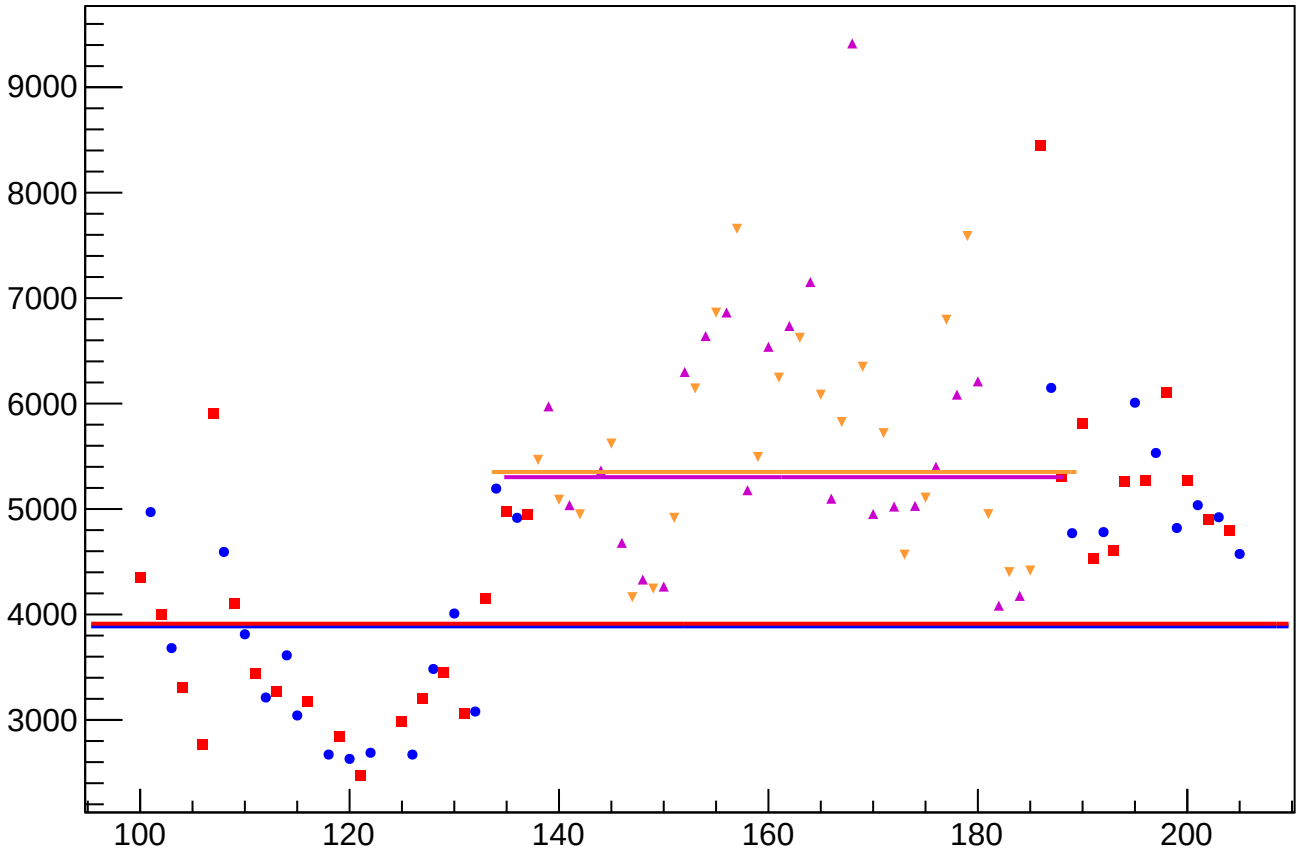
Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

Right: -808.144+/-749.038 χ^2/NDF: 64.7/53

In: -361.216+/-818.894 χ^2/NDF:42.2/47

Out: -1108.713+/-806.256 χ^2/NDF:68.9/52

All: -740.777+/-574.525 χ^2/NDF: 111.6/100



Right In: 3887.460+/-0.760 χ^2/NDF: 1847910.2/24

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3912.442+/-0.739 χ^2/NDF: 2148151.9/28

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

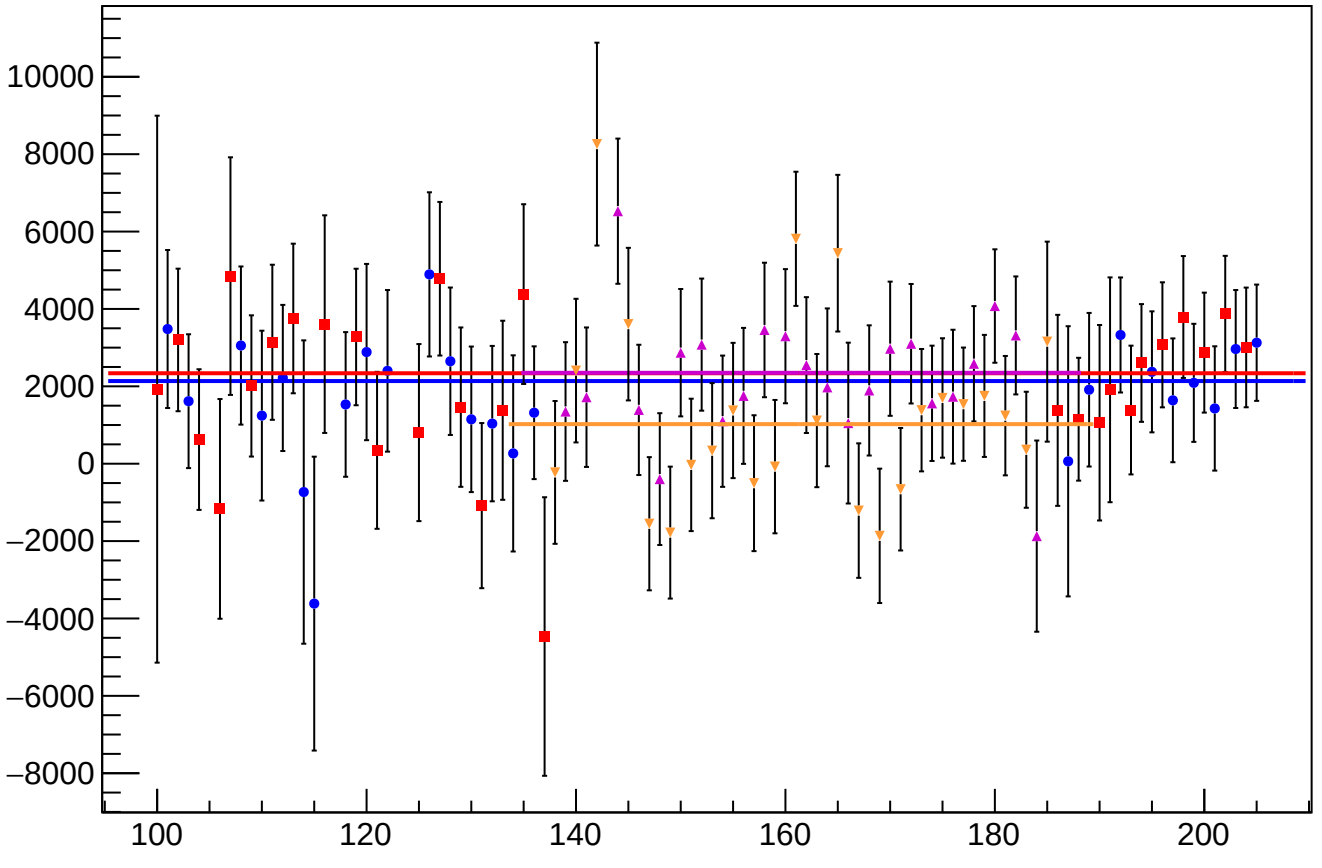
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3900.309+/-0.530 χ^2/NDF: 3996617.9/53

In: 4480.942+/-0.579 χ^2/NDF:4557849.3/47

Out: 4493.820+/-0.570 χ^2/NDF:4747680.7/52

All: 4487.481+/-0.406 χ^2/NDF: 9305781.1/10



Right In: 2136.205+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: 2338.083+/-367.671 χ^2/NDF: 18.5/28

Left In: 2349.186+/-357.068 χ^2/NDF:16.0/22

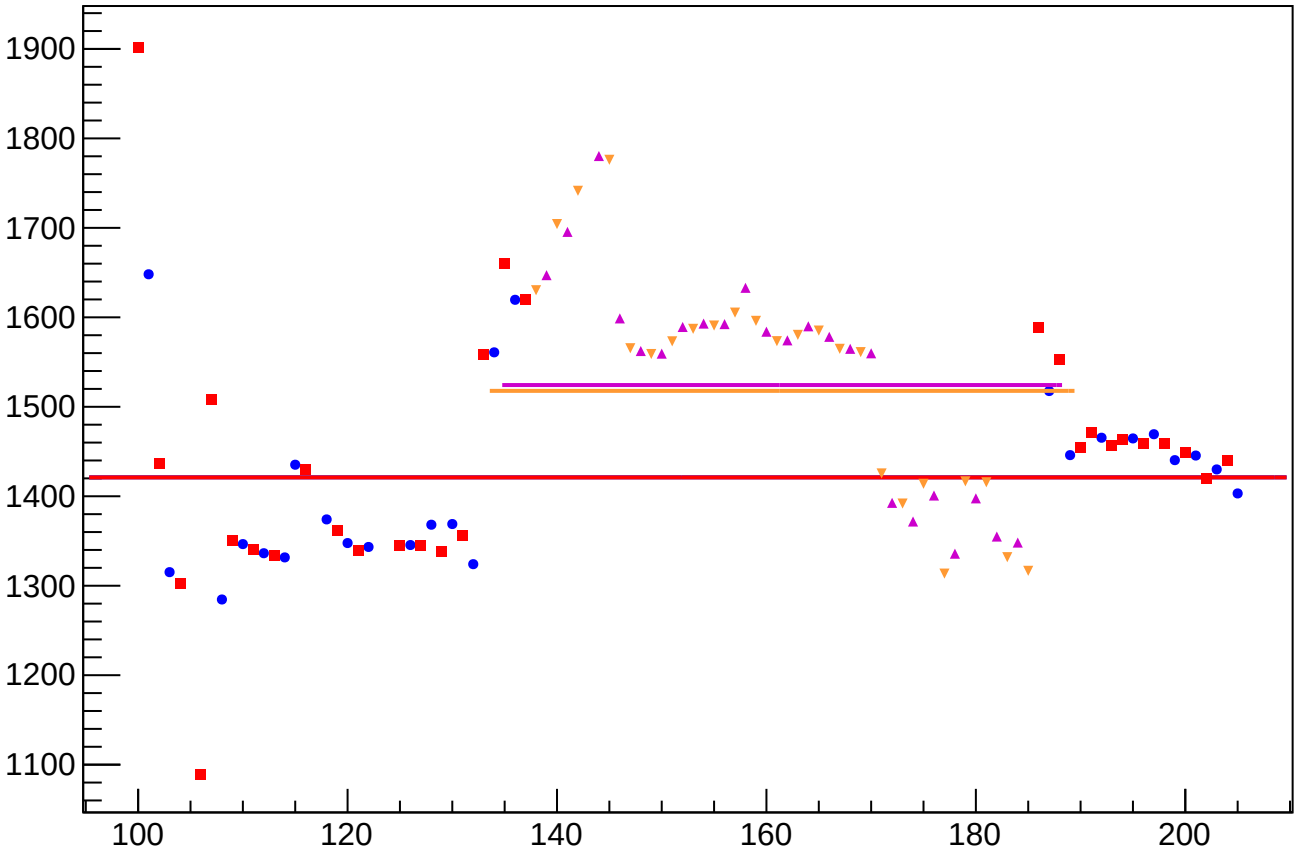
Left: 1679.172+/-251.199 χ^2/NDF: 59.4/46

Right: 2240.325+/-264.048 χ^2/NDF: 27.7/53

In: 2249.161+/-260.037 χ^2/NDF:25.3/47

Out: 1654.443+/-254.810 χ^2/NDF:61.6/52

All: 1945.764+/-181.998 χ^2/NDF: 89.5/100



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1421.077+/-0.258 χ^2/NDF: 159112.3/28

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

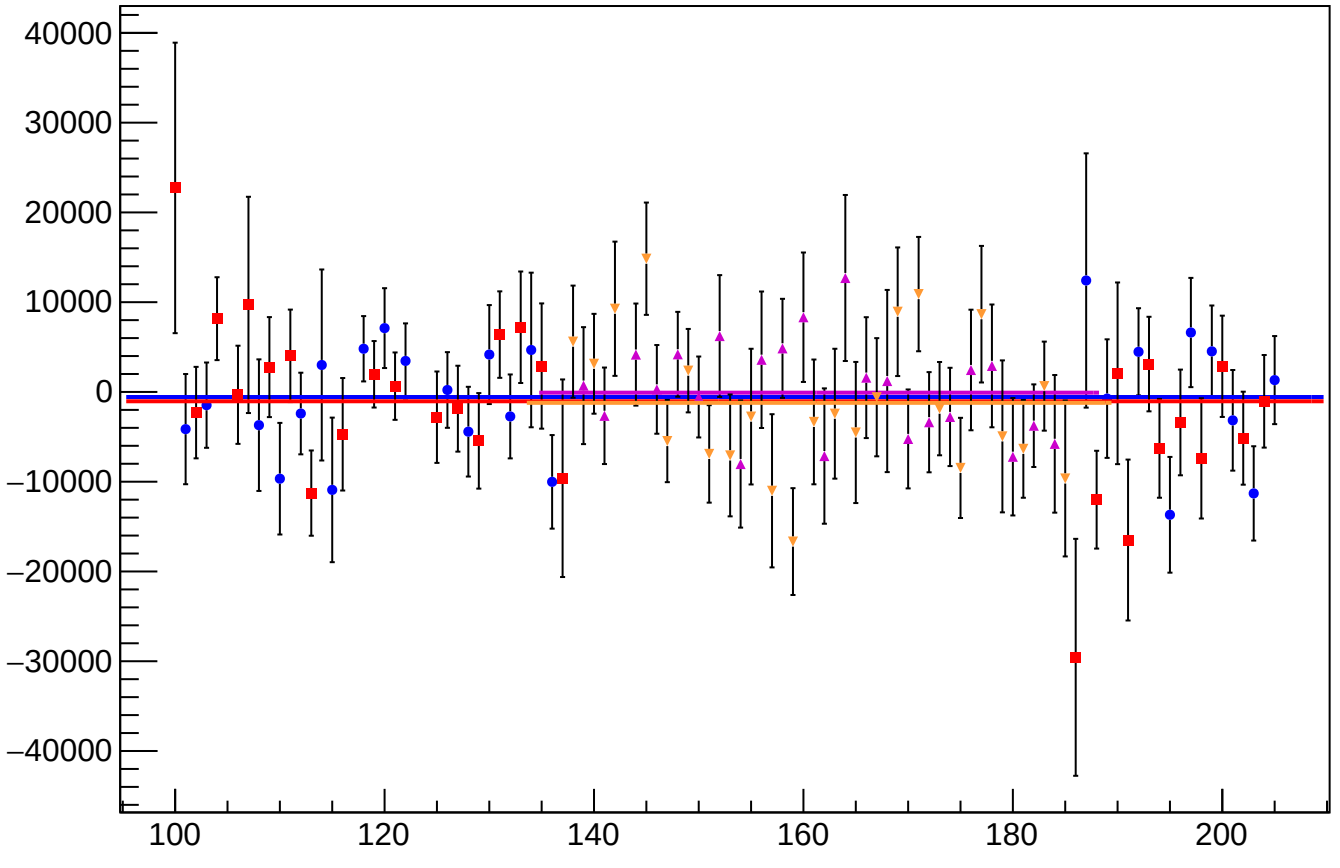
Left: 1521.032+/-0.178 χ^2/NDF: 458613.6/46

Right: 1421.119+/-0.186 χ^2/NDF: 265020.1/53

In: 1475.870+/-0.184 χ^2/NDF:408614.8/47

Out: 1471.026+/-0.180 χ^2/NDF:465529.6/52

All: 1473.391+/-0.128 χ^2/NDF: 874499.6/100



Right In: -563.945+/-1074.803 χ^2/NDF: 28.9/24

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -1038.745+/-1044.449 χ^2/NDF: 35.7/28

Left In: -80.689+/-1264.325 χ^2/NDF:13.2/22

Left: -644.506+/-895.421 χ^2/NDF: 46.8/46

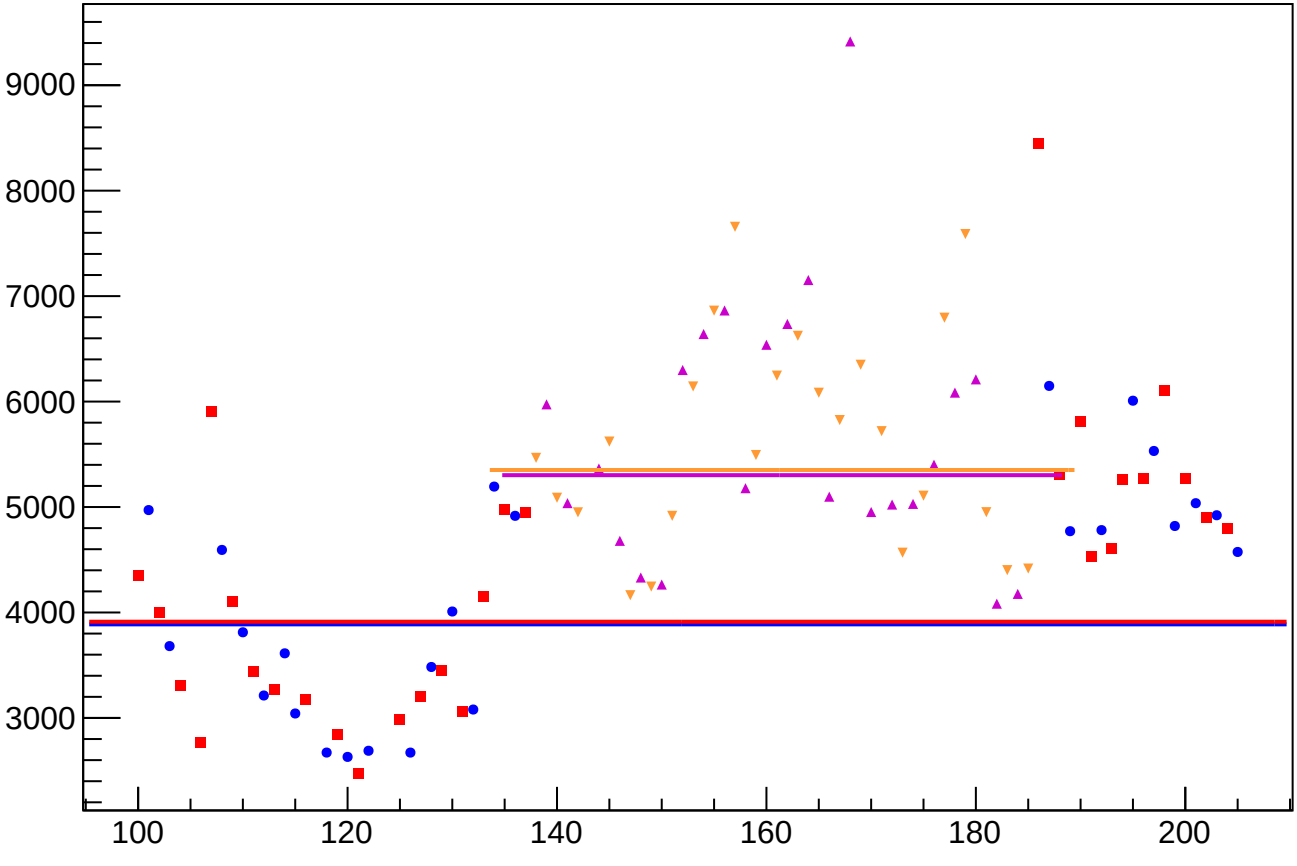
Right: -808.144+/-749.038 χ^2/NDF: 64.7/53

In: -361.216+/-818.894 χ^2/NDF:42.2/47

Out: -1108.713+/-806.256 χ^2/NDF:68.9/52

All: -740.777+/-574.525 χ^2/NDF: 111.6/100

asym_usl_atl2_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3887.460+/-0.760 χ^2/NDF: 1847910.2/24

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3912.442+/-0.739 χ^2/NDF: 2148151.9/28

Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

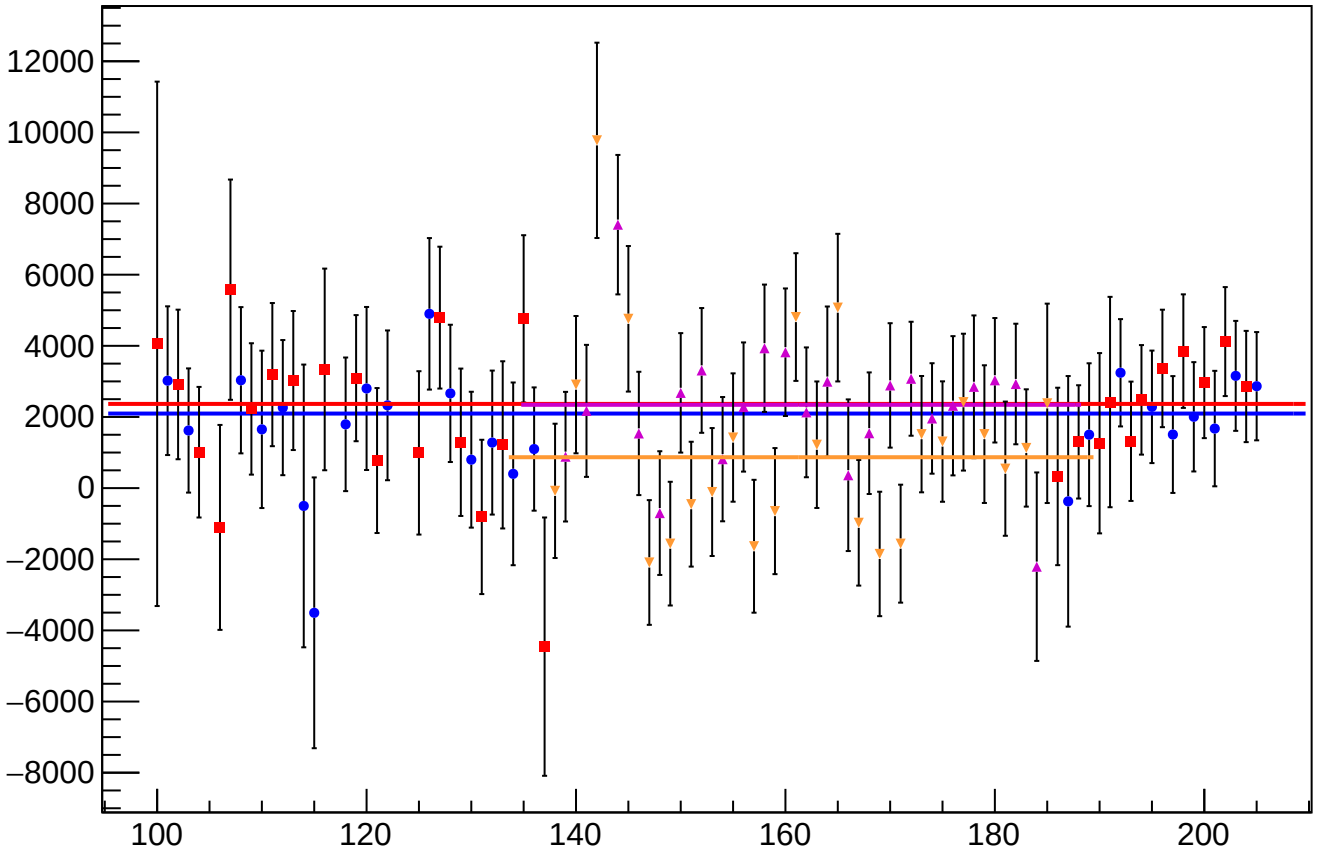
Left: 5326.577+/-0.633 χ^2/NDF: 2323858.4/46

Right: 3900.309+/-0.530 χ^2/NDF: 3996617.9/53

In: 4480.942+/-0.579 χ^2/NDF:4557849.3/47

Out: 4493.820+/-0.570 χ^2/NDF:4747680.7/52

All: 4487.481+/-0.406 χ^2/NDF: 9305781.1/10



Right In: 2095.925+/-383.722 χ^2/NDF: 8.6/24

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: 2367.097+/-373.120 χ^2/NDF: 17.9/28

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

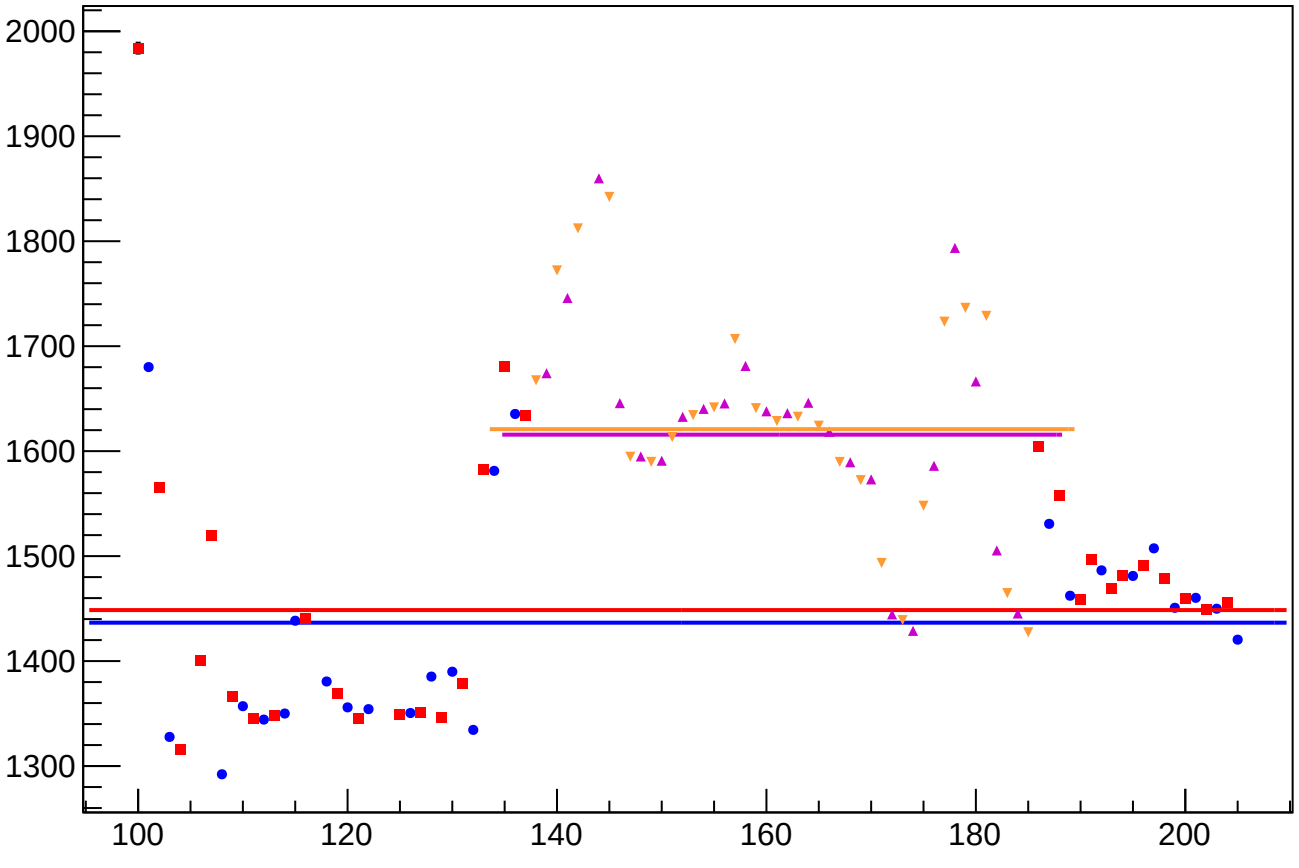
Left: 1603.536+/-267.036 χ^2/NDF: 65.4/46

Right: 2235.309+/-267.505 χ^2/NDF: 26.7/53

In: 2220.928+/-269.328 χ^2/NDF:26.8/47

Out: 1625.865+/-265.259 χ^2/NDF:65.7/52

All: 1918.868+/-188.989 χ^2/NDF: 94.9/100



Right In: 1436.583+/-0.271 χ^2/NDF: 114228.5/24

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1448.588+/-0.263 χ^2/NDF: 120456.4/28

Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

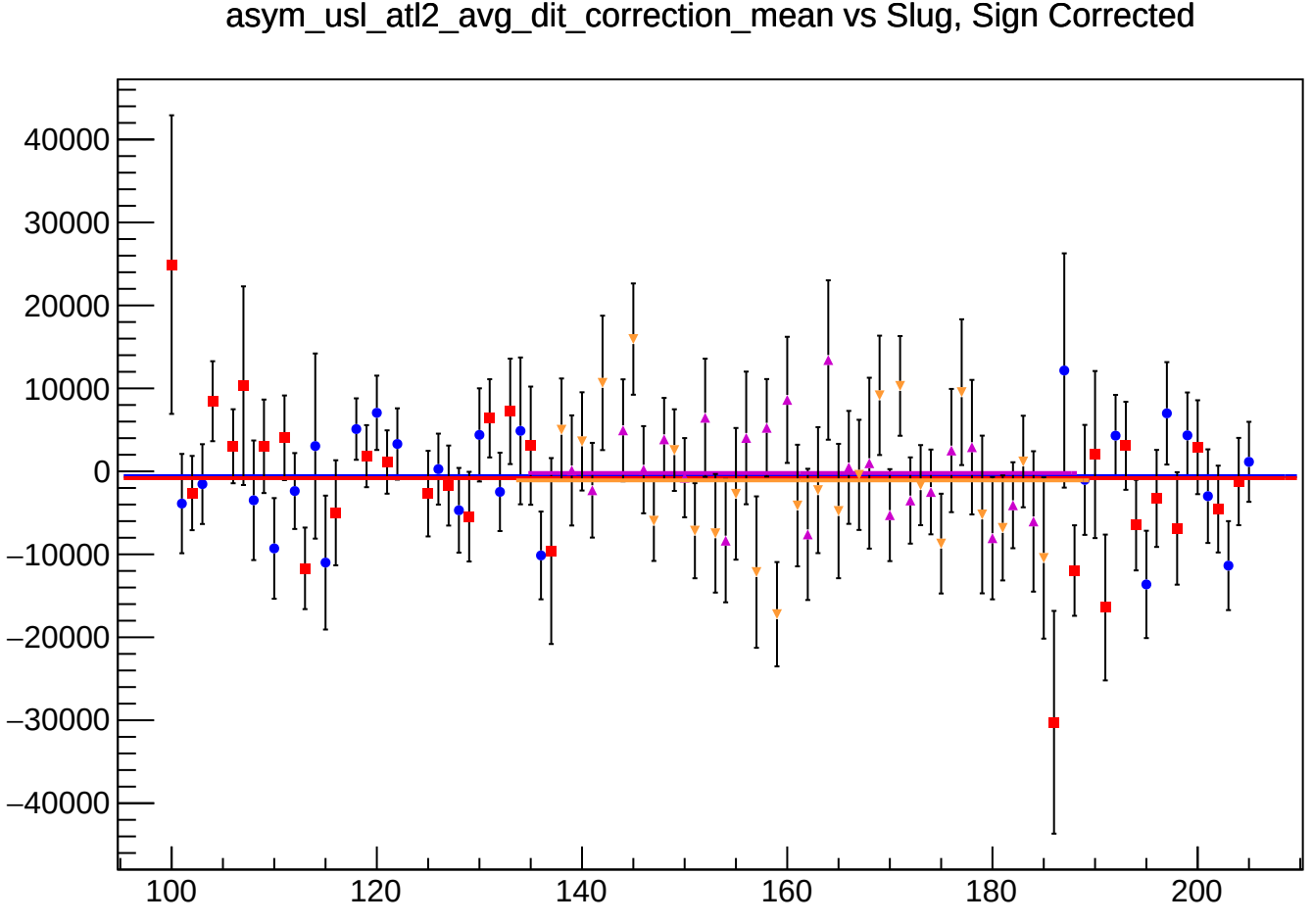
Left: 1618.331+/-0.189 χ^2/NDF: 279317.2/46

Right: 1442.762+/-0.189 χ^2/NDF: 235692.3/53

In: 1527.463+/-0.190 χ^2/NDF:472477.6/47

Out: 1533.719+/-0.187 χ^2/NDF:473795.1/52

All: 1530.641+/-0.134 χ^2/NDF: 946820.9/100



Right In: -575.070+/-1084.701 χ^2/NDF: 28.5/24

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: -817.270+/-1038.025 χ^2/NDF: 36.5/28

Left In: -201.662+/-1326.173 χ^2/NDF:12.9/22

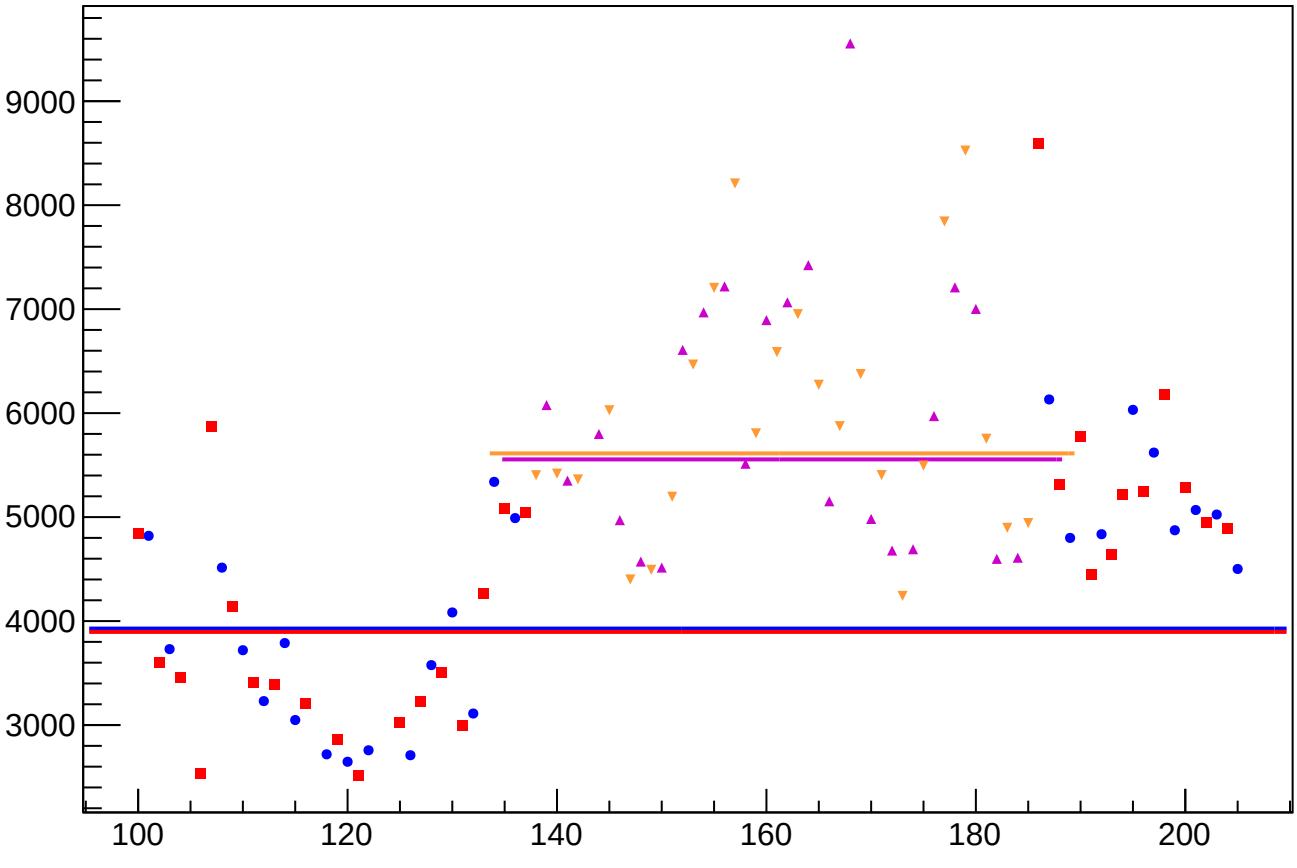
Left: -639.884+/-939.941 χ^2/NDF: 46.1/46

Right: -701.493+/-749.953 χ^2/NDF: 65.0/53

In: -425.395+/-839.621 χ^2/NDF:41.4/47

Out: -917.346+/-818.857 χ^2/NDF:69.5/52

All: -677.528+/-586.223 χ^2/NDF: 111.1/100



Right In: 3927.858+/-0.767 χ^2/NDF: 1798166.2/24

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3896.095+/-0.734 χ^2/NDF: 2233726.2/28

Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

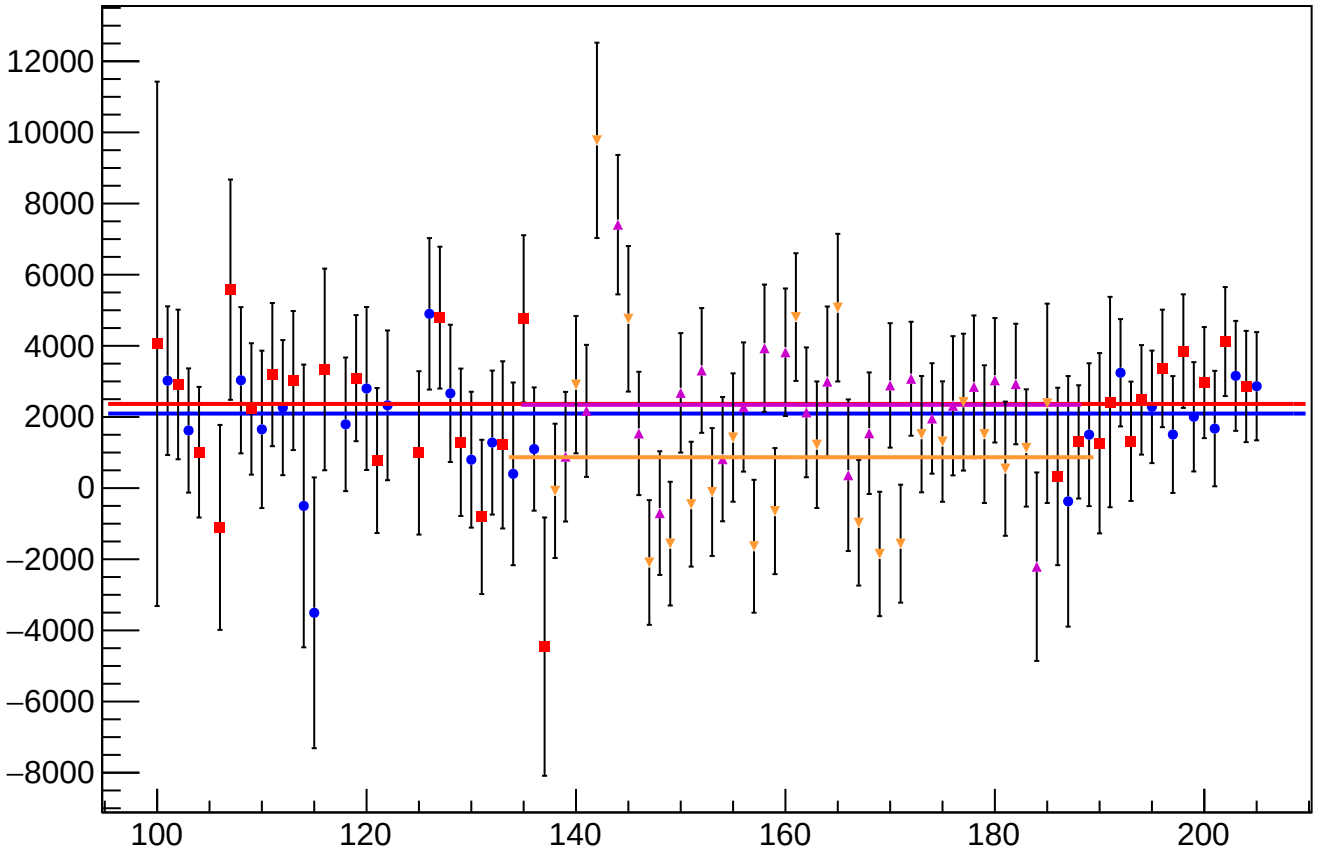
Left: 5583.693+/-0.665 χ^2/NDF: 2522979.3/46

Right: 3911.278+/-0.530 χ^2/NDF: 4032787.5/53

In: 4580.045+/-0.594 χ^2/NDF:4934932.2/47

Out: 4544.466+/-0.579 χ^2/NDF:5487774.0/52

All: 4561.810+/-0.415 χ^2/NDF: 10424546.8/1



Right In: 2095.922+/-383.722 χ^2/NDF: 8.6/24

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: 2367.097+/-373.120 χ^2/NDF: 17.9/28

Left In: 2342.303+/-378.114 χ^2/NDF:18.0/22

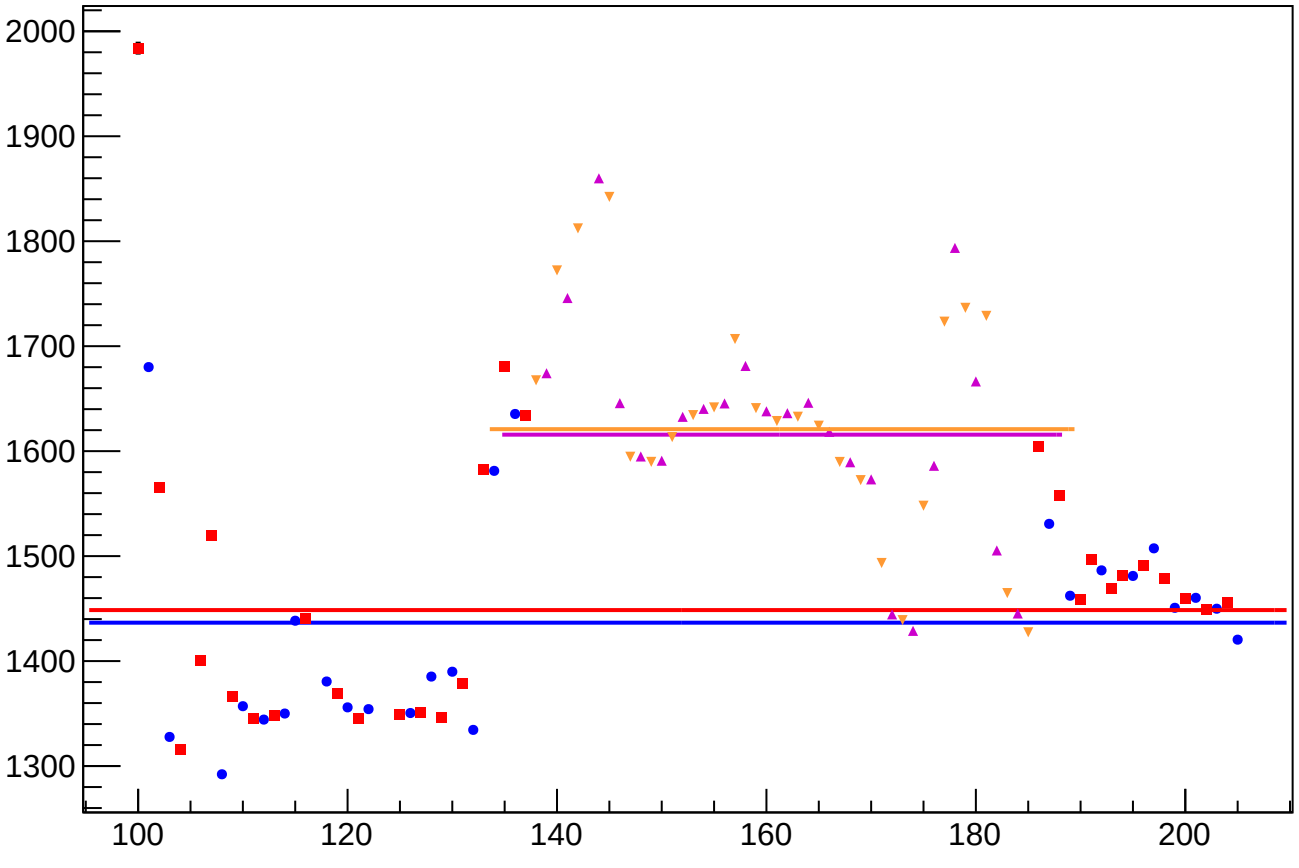
Left: 1603.533+/-267.036 χ^2/NDF: 65.4/46

Right: 2235.308+/-267.505 χ^2/NDF: 26.7/53

In: 2220.926+/-269.328 χ^2/NDF:26.8/47

Out: 1625.863+/-265.259 χ^2/NDF:65.7/52

All: 1918.866+/-188.989 χ^2/NDF: 94.9/100



Right In: 1436.583+/-0.271 χ^2/NDF: 114228.6/24

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

Right Out: 1448.588+/-0.263 χ^2/NDF: 120456.5/28

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

Left: 1618.333+/-0.189 χ^2/NDF: 279326.8/46

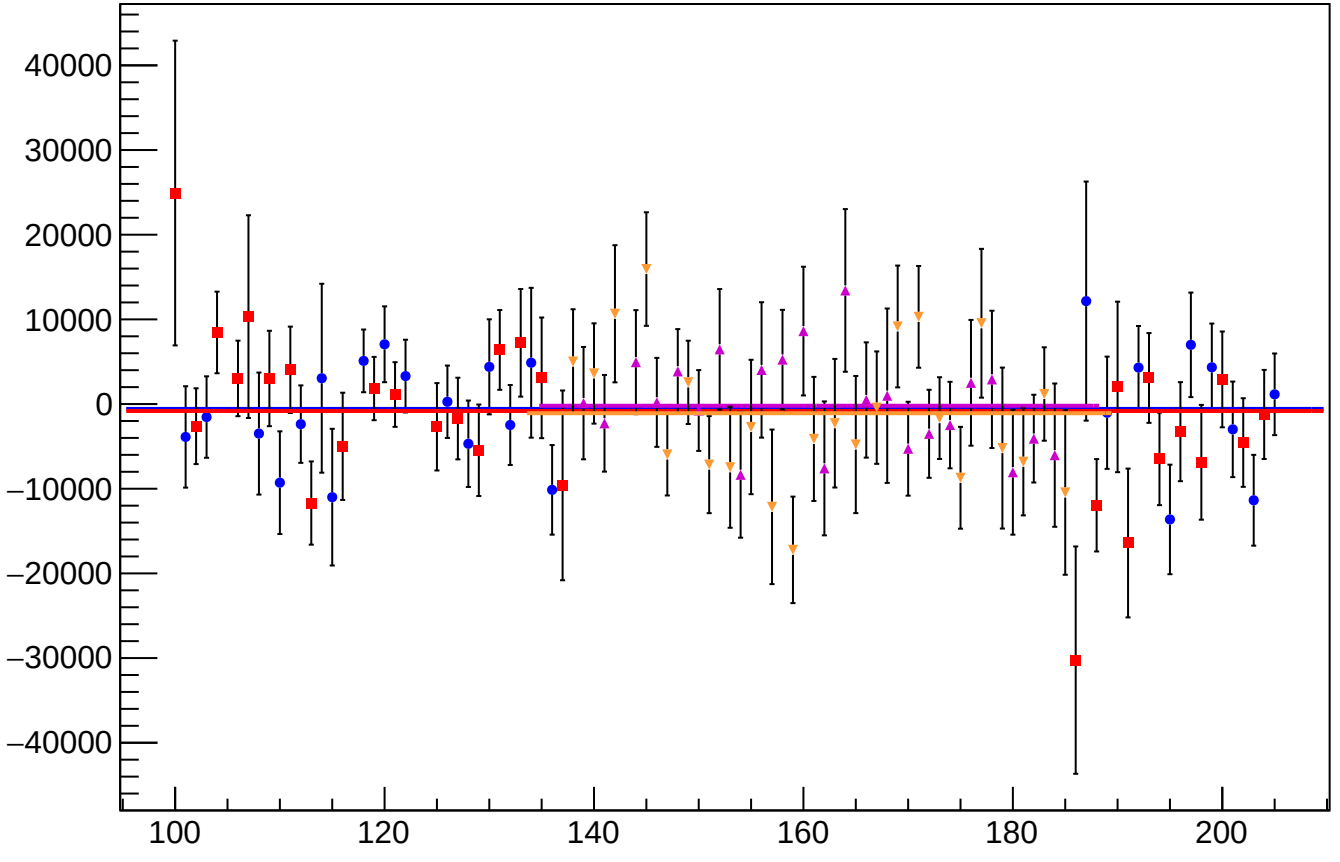
Right: 1442.762+/-0.189 χ^2/NDF: 235692.6/53

In: 1527.463+/-0.190 χ^2/NDF:472485.3/47

Out: 1533.720+/-0.187 χ^2/NDF:473802.9/52

All: 1530.641+/-0.134 χ^2/NDF: 946836.4/100

asym_usl_atl2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -575.063+/-1084.700 χ^2/NDF: 28.5/24

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: -817.263+/-1038.024 χ^2/NDF: 36.5/28

Left In: -201.663+/-1326.175 χ^2/NDF:12.9/22

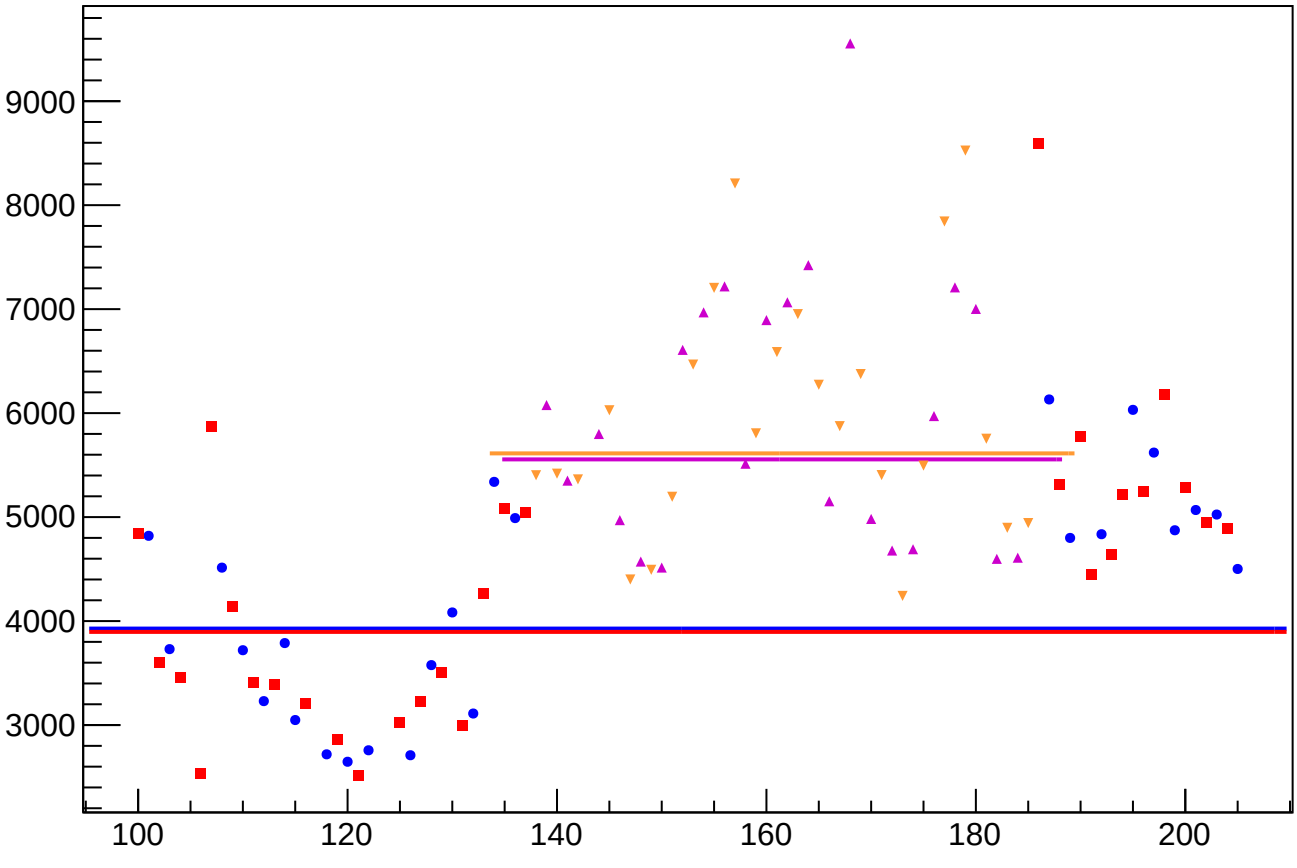
Left: -639.888+/-939.942 χ^2/NDF: 46.1/46

Right: -701.486+/-749.952 χ^2/NDF: 65.0/53

In: -425.392+/-839.621 χ^2/NDF:41.4/47

Out: -917.344+/-818.857 χ^2/NDF:69.5/52

All: -677.526+/-586.223 χ^2/NDF: 111.1/100



Right In: 3927.850+/-0.767 χ^2/NDF: 1798198.3/24

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3896.087+/-0.734 χ^2/NDF: 2233753.6/28

Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

Left: 5583.702+/-0.665 χ^2/NDF: 2522981.7/46

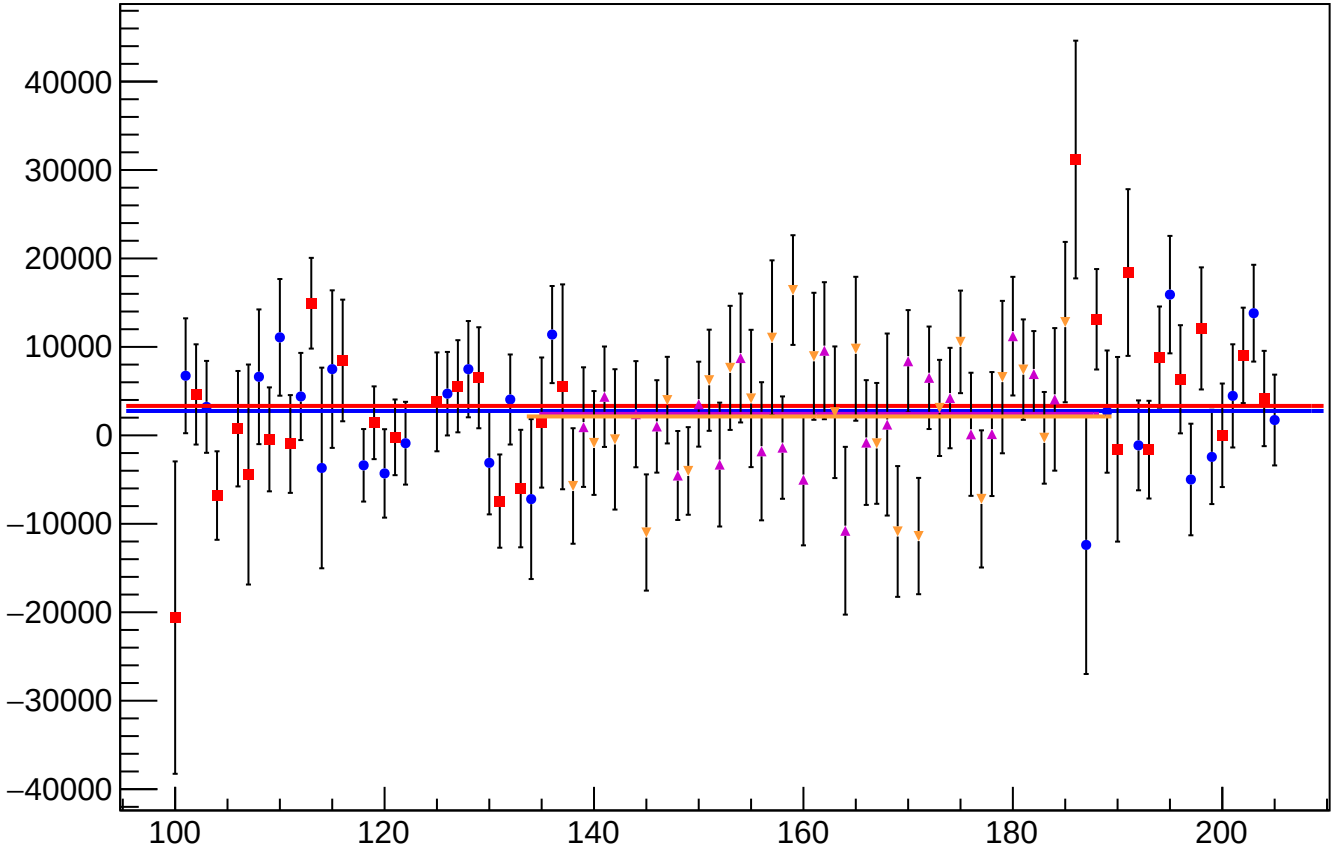
Right: 3911.270+/-0.530 χ^2/NDF: 4032847.0/53

In: 4580.041+/-0.594 χ^2/NDF:4935001.3/47

Out: 4544.462+/-0.579 χ^2/NDF:5487841.2/52

All: 4561.806+/-0.415 χ^2/NDF: 10424683.1/1

asym_usl_atl2_avg_mean vs Slug, Sign Corrected



Right In: 2756.337+/-1156.322 χ^2/NDF: 25.7/24

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: 3328.580+/-1125.775 χ^2/NDF: 36.0/28

Left In: 2428.059+/-1321.080 χ^2/NDF:12.9/22

Left: 2283.462+/-935.312 χ^2/NDF: 43.6/46

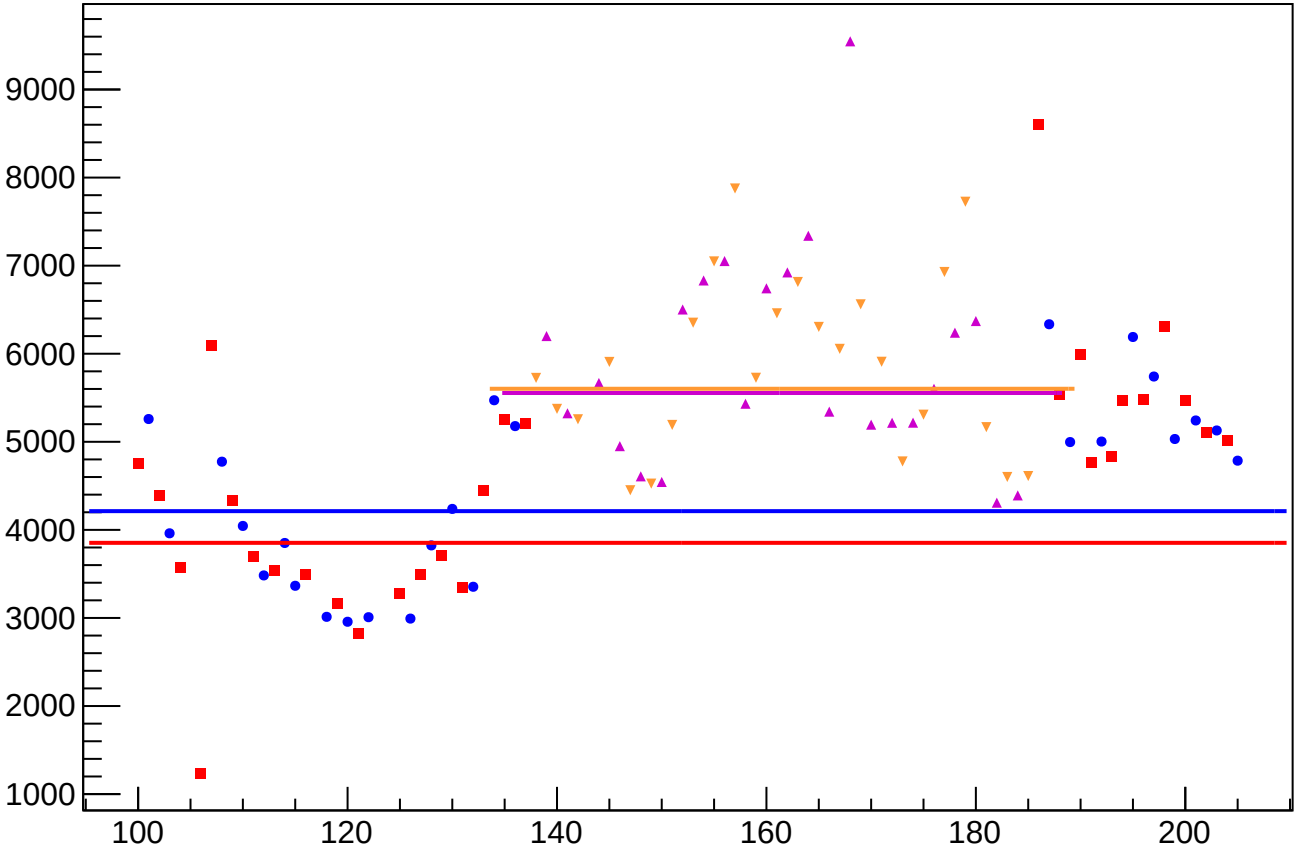
Right: 3050.117+/-806.626 χ^2/NDF: 61.9/53

In: 2613.933+/-870.098 χ^2/NDF:38.6/47

Out: 2829.228+/-857.757 χ^2/NDF:67.1/52

All: 2723.118+/-610.842 χ^2/NDF: 105.8/100

asym_usl_atl2_avg_rms vs Slug, Sign Corrected



Right In: 4212.707+/-0.818 χ^2/NDF: 1465818.7/24

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

Right Out: 3852.814+/-0.750 χ^2/NDF: 3660174.8/28

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

Left: 5578.100+/-0.661 χ^2/NDF: 2053956.9/46

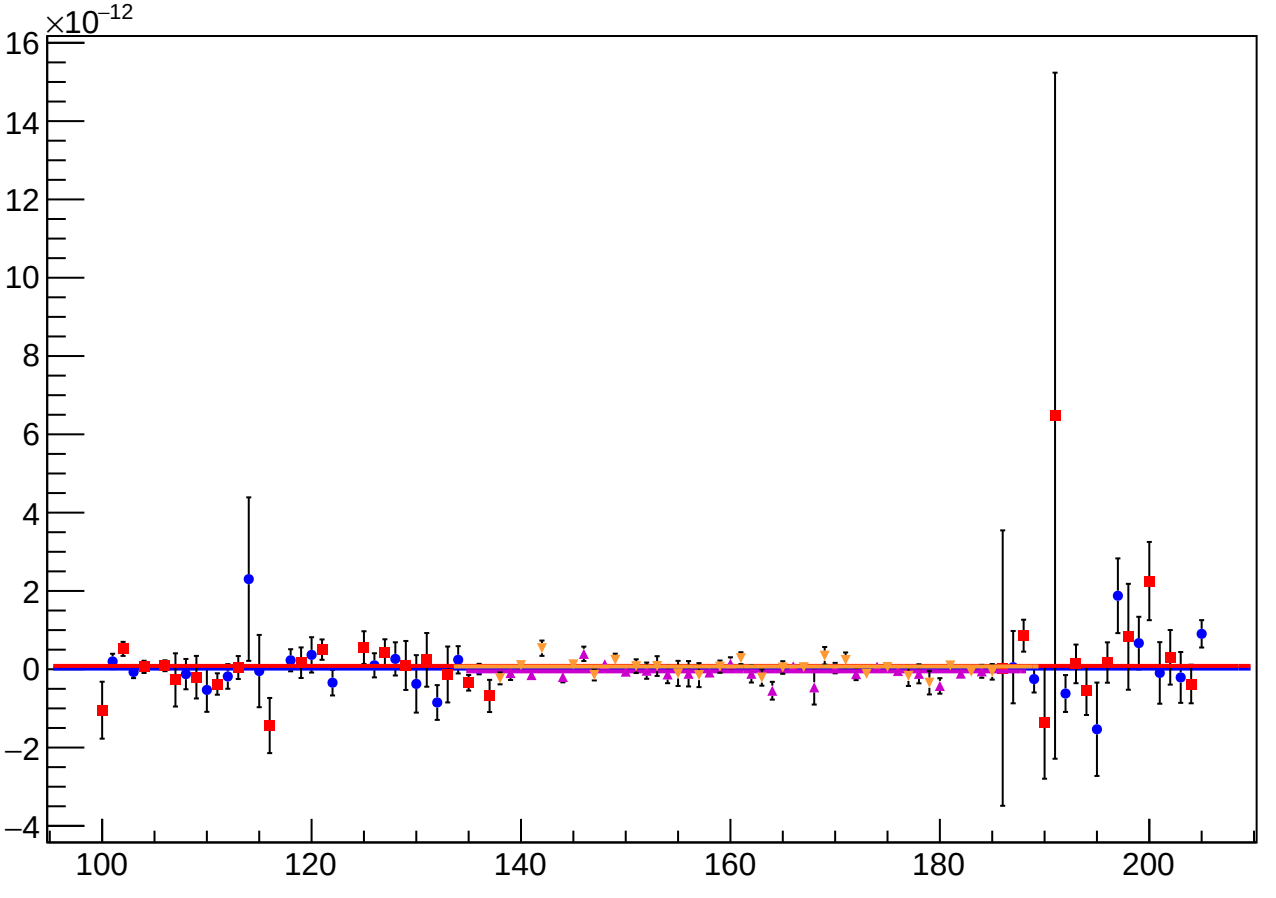
Right: 4017.200+/-0.553 χ^2/NDF: 5231240.0/53

In: 4794.567+/-0.615 χ^2/NDF:3745433.9/47

Out: 4536.151+/-0.585 χ^2/NDF:6727324.4/52

All: 4658.913+/-0.424 χ^2/NDF: 10565366.2/1

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 41.7/28

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

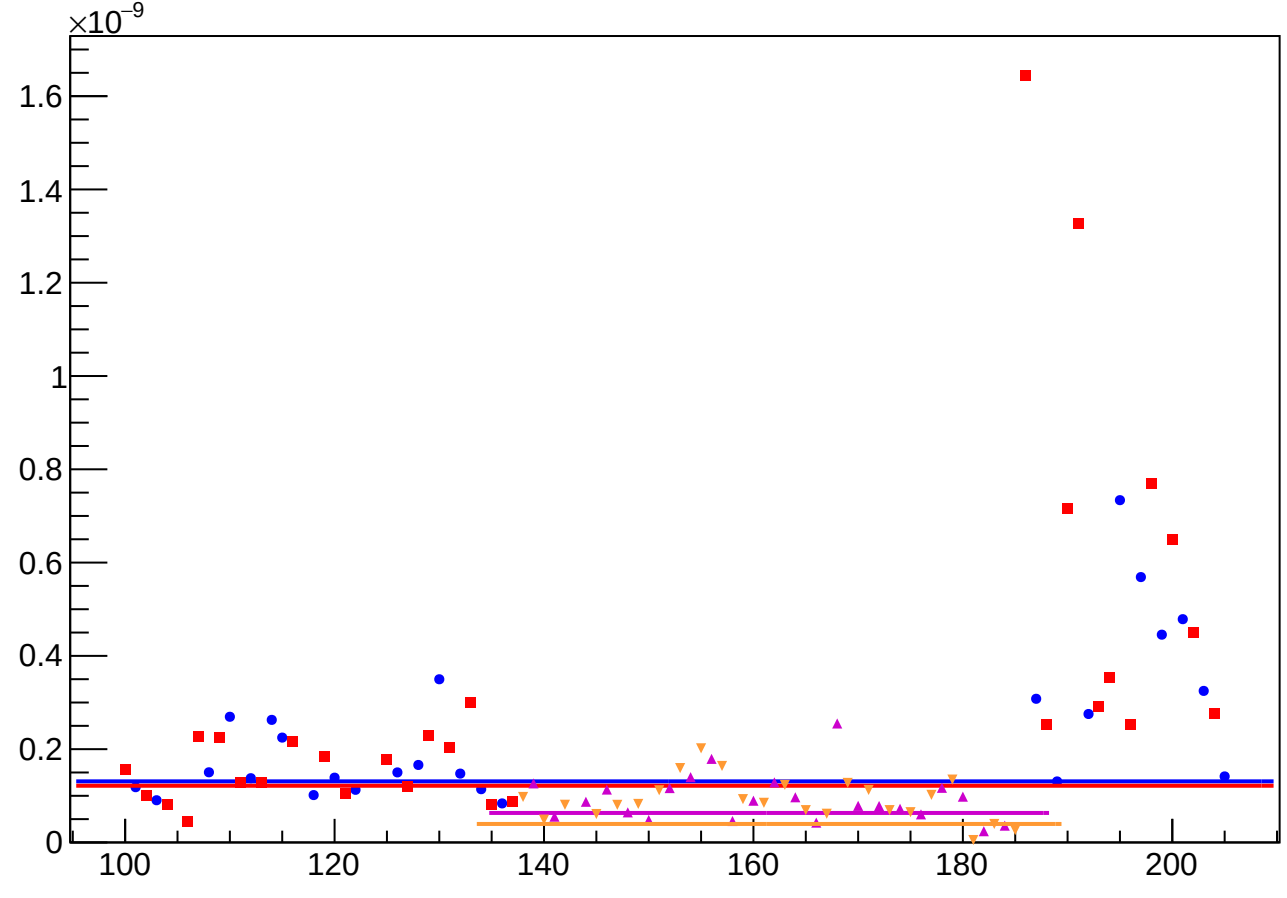
Left: 0.000+/-0.000 χ^2/NDF: 65.8/46

Right: 0.000+/-0.000 χ^2/NDF: 68.9/53

In: -0.000+/-0.000 χ^2/NDF:53.0/47

Out: 0.000+/-0.000 χ^2/NDF:70.0/52

All: 0.000+/-0.000 χ^2/NDF: 135.1/100



Right In: 0.000+/-0.000 χ^2/NDF: 2984177.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4594607.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

Left: 0.000+/-0.000 χ^2/NDF: 10753766.3/46

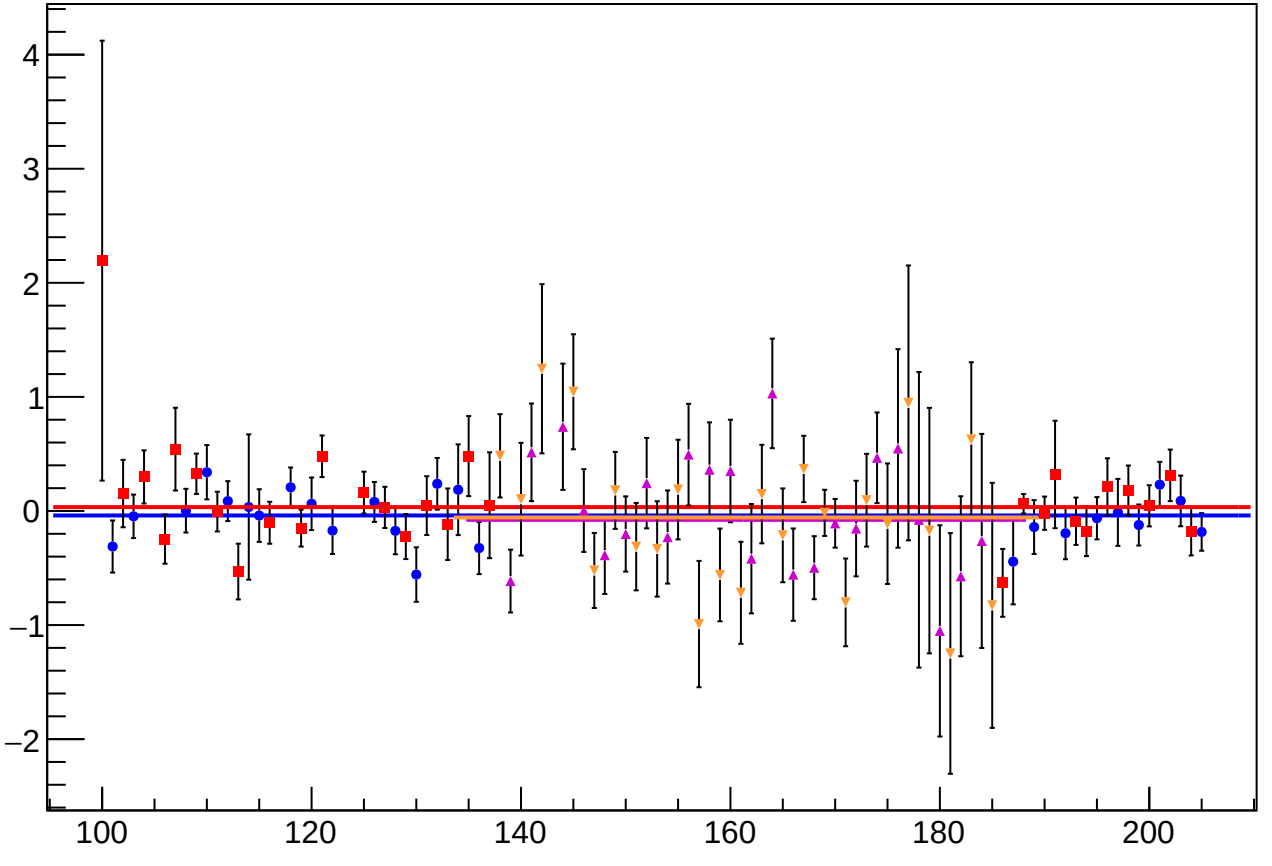
Right: 0.000+/-0.000 χ^2/NDF: 7600339.7/53

In: 0.000+/-0.000 χ^2/NDF:7708896.0/47

Out: 0.000+/-0.000 χ^2/NDF:14611765.9/52

All: 0.000+/-0.000 χ^2/NDF: 23453739.6/100

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

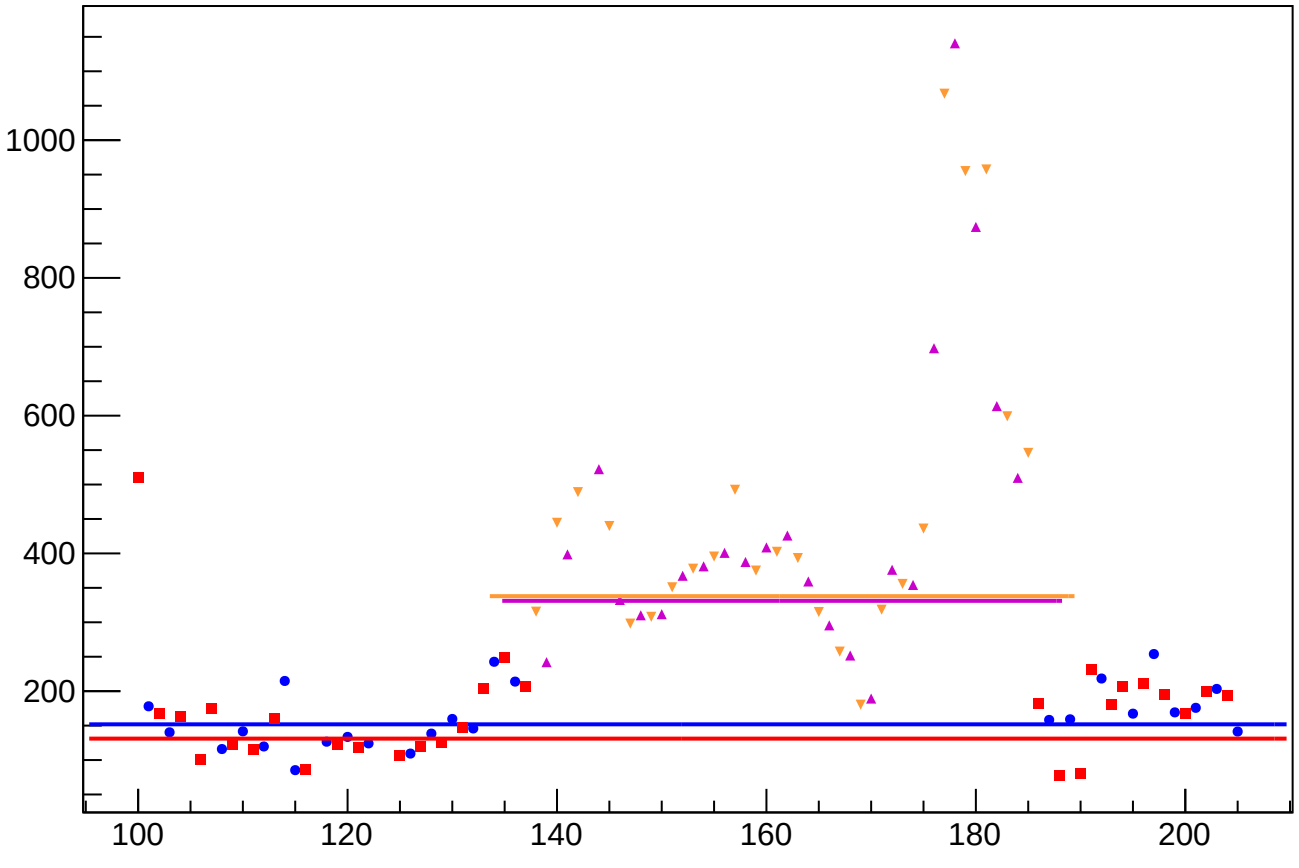
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.003+/-0.028 χ^2/NDF: 59.5/53

In: -0.047+/-0.038 χ^2/NDF:48.3/47

Out: 0.019+/-0.034 χ^2/NDF:68.1/52

All: -0.010+/-0.026 χ^2/NDF: 118.1/100



Right In: 151.859+/-0.030 χ^2/NDF: 1425075.7/24

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.106+/-0.026 χ^2/NDF: 3198556.0/28

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

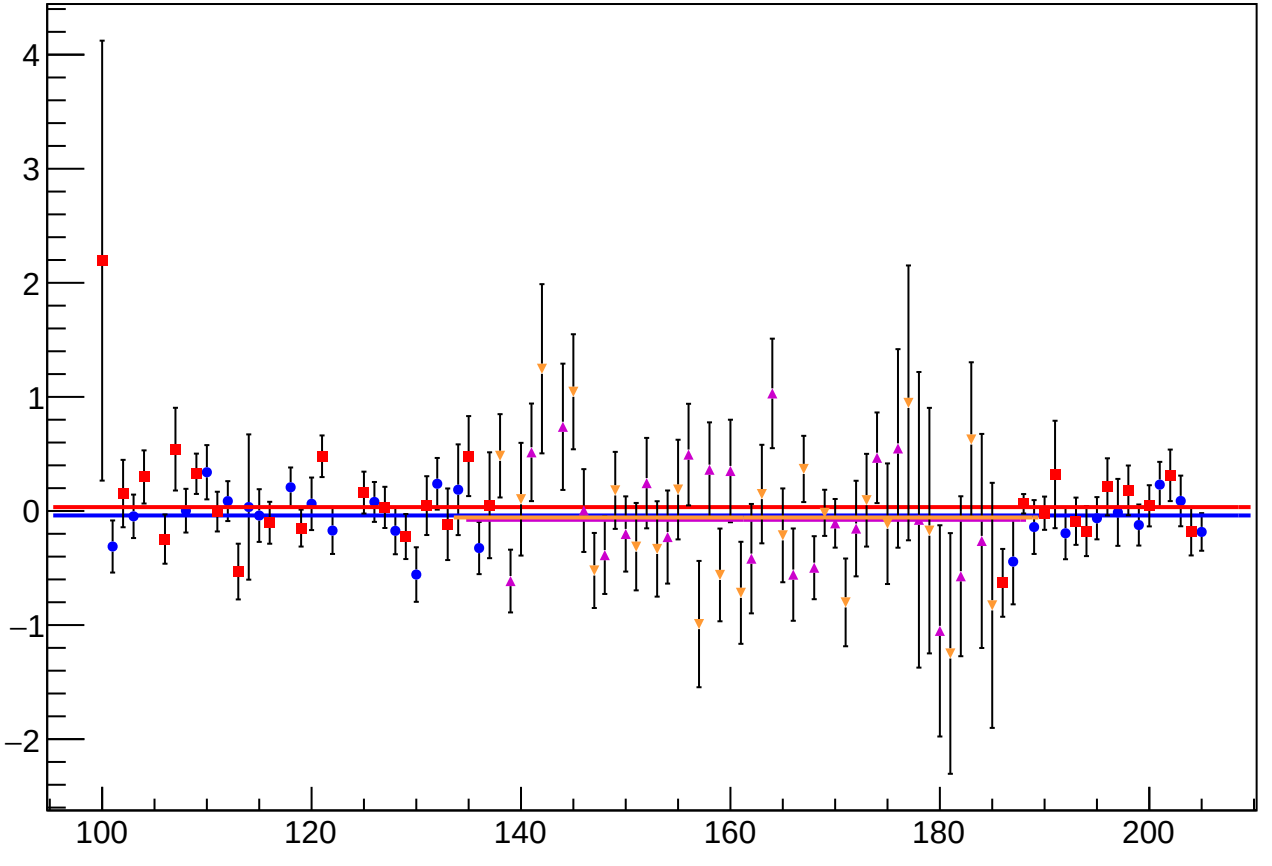
Right: 140.005+/-0.020 χ^2/NDF: 4888590.5/53

In: 189.633+/-0.027 χ^2/NDF:12826042.9/47

Out: 164.258+/-0.024 χ^2/NDF:17552791.9/52

All: 175.525+/-0.018 χ^2/NDF: 30867269.7/10

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

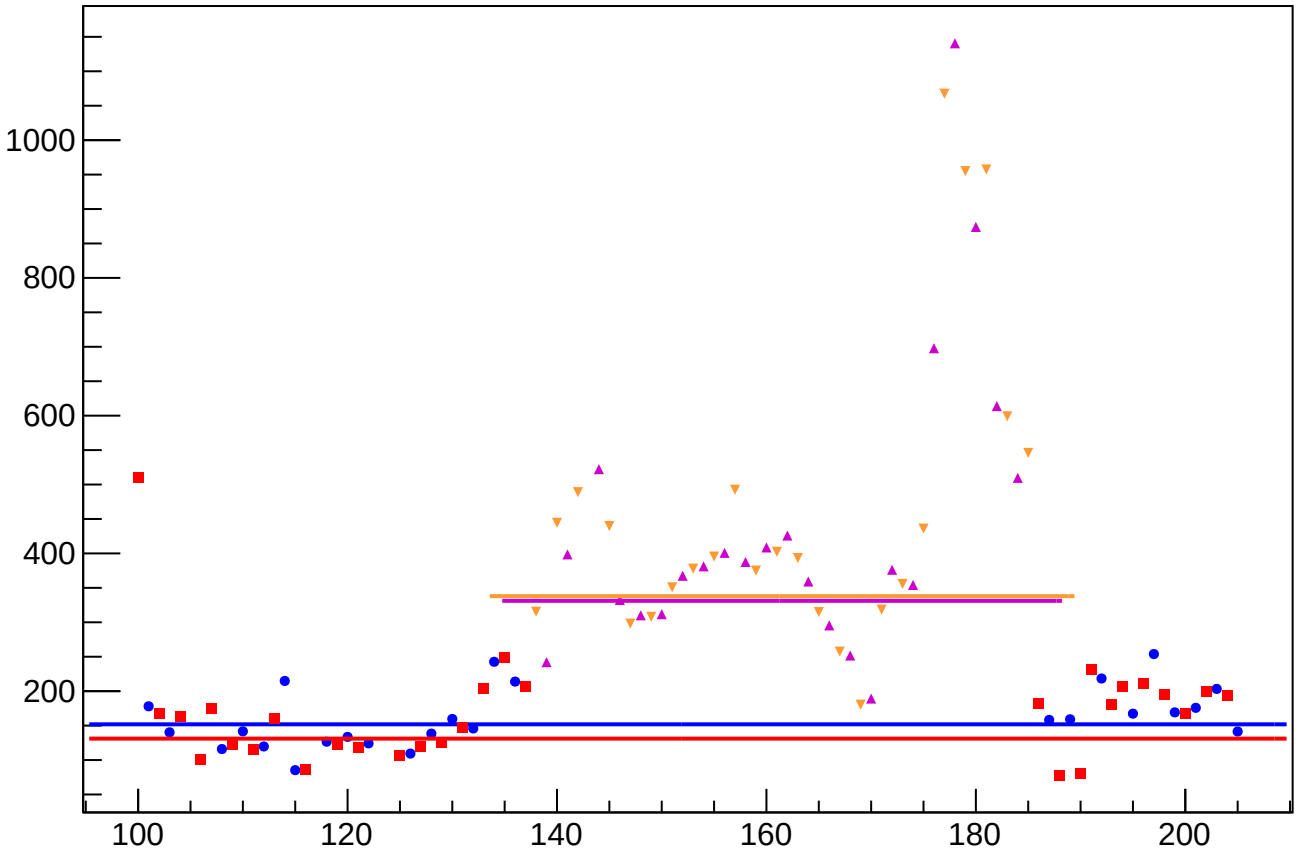
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.003+/-0.028 χ^2/NDF: 59.5/53

In: -0.047+/-0.038 χ^2/NDF:48.3/47

Out: 0.019+/-0.034 χ^2/NDF:68.1/52

All: -0.010+/-0.026 χ^2/NDF: 118.1/100



Right In: 151.859+/-0.030 χ^2/NDF: 1425075.7/24

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 131.106+/-0.026 χ^2/NDF: 3198556.0/28

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

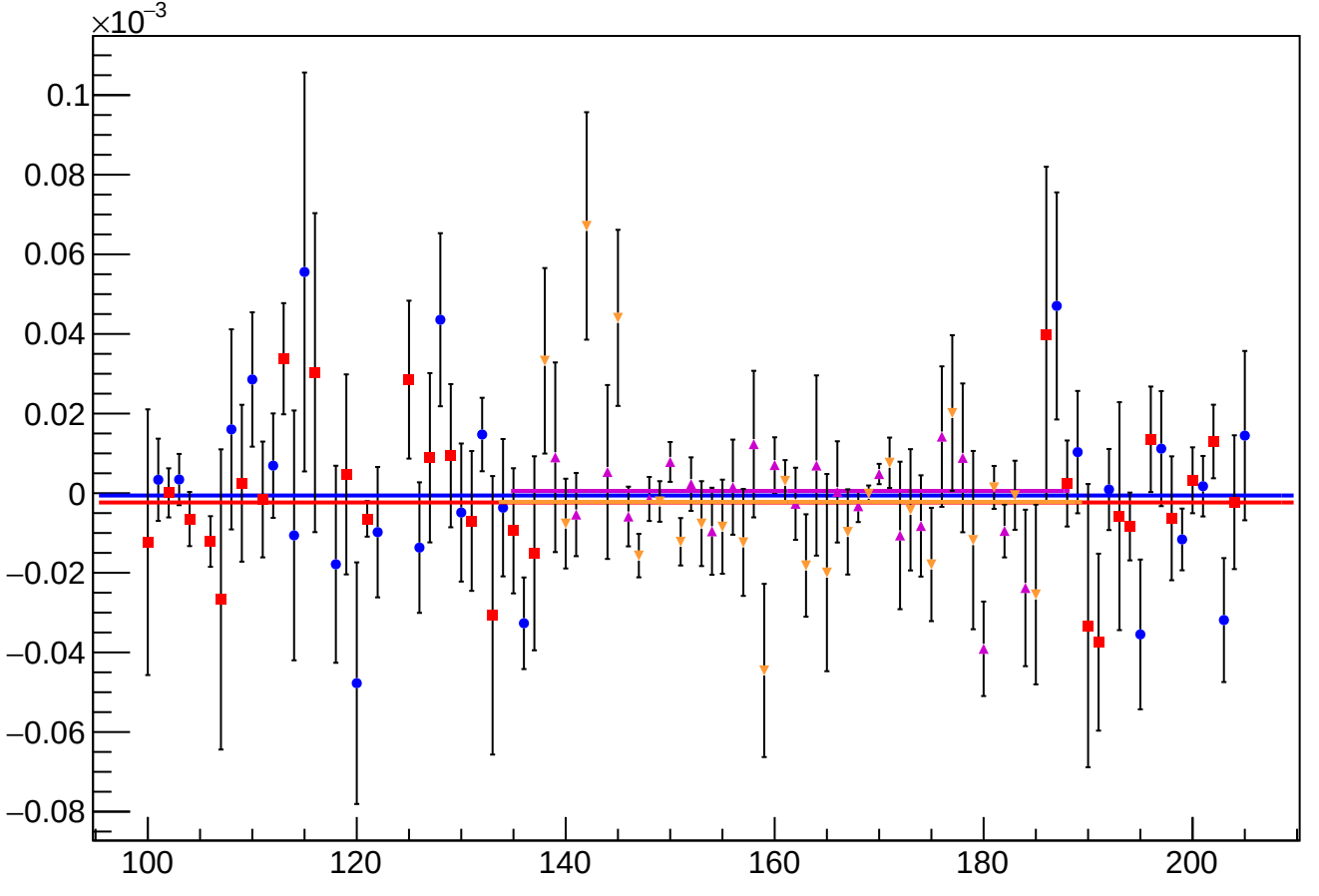
Left: 334.465+/-0.042 χ^2/NDF: 8630534.0/46

Right: 140.005+/-0.020 χ^2/NDF: 4888590.5/53

In: 189.633+/-0.027 χ^2/NDF:12826042.9/47

Out: 164.258+/-0.024 χ^2/NDF:17552791.9/52

All: 175.525+/-0.018 χ^2/NDF: 30867269.7/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/28

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

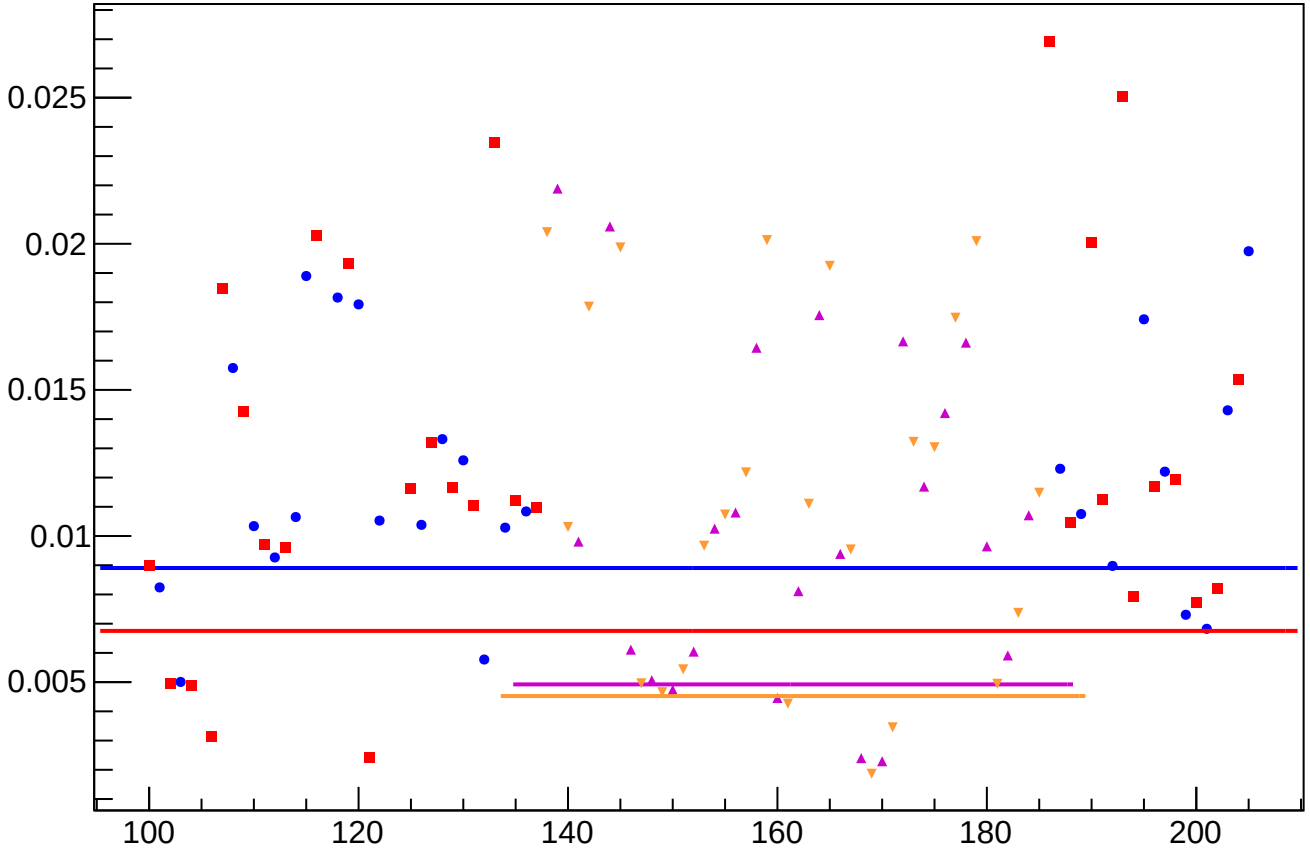
Right: -0.000+/-0.000 χ^2/NDF: 64.4/53

In: 0.000+/-0.000 χ^2/NDF:64.7/47

Out: -0.000+/-0.000 χ^2/NDF:63.6/52

All: -0.000+/-0.000 χ^2/NDF: 130.4/100

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 3523003.1/24

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.007+/-0.000 χ^2/NDF: 8496788.5/28

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

Left: 0.005+/-0.000 χ^2/NDF: 25942497.2/46

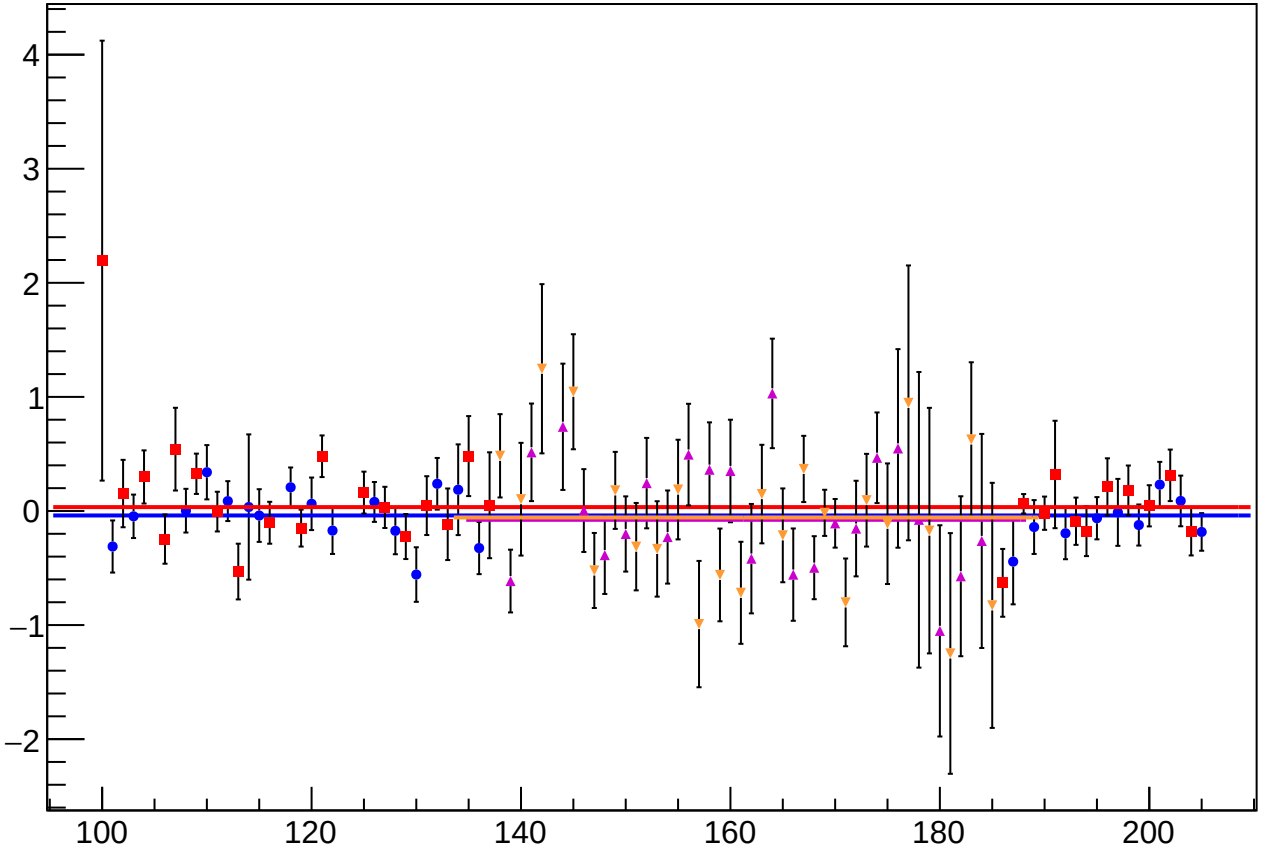
Right: 0.008+/-0.000 χ^2/NDF: 12841387.8/53

In: 0.006+/-0.000 χ^2/NDF:18664611.1/47

Out: 0.005+/-0.000 χ^2/NDF:24279635.3/52

All: 0.006+/-0.000 χ^2/NDF: 43269478.0/100

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

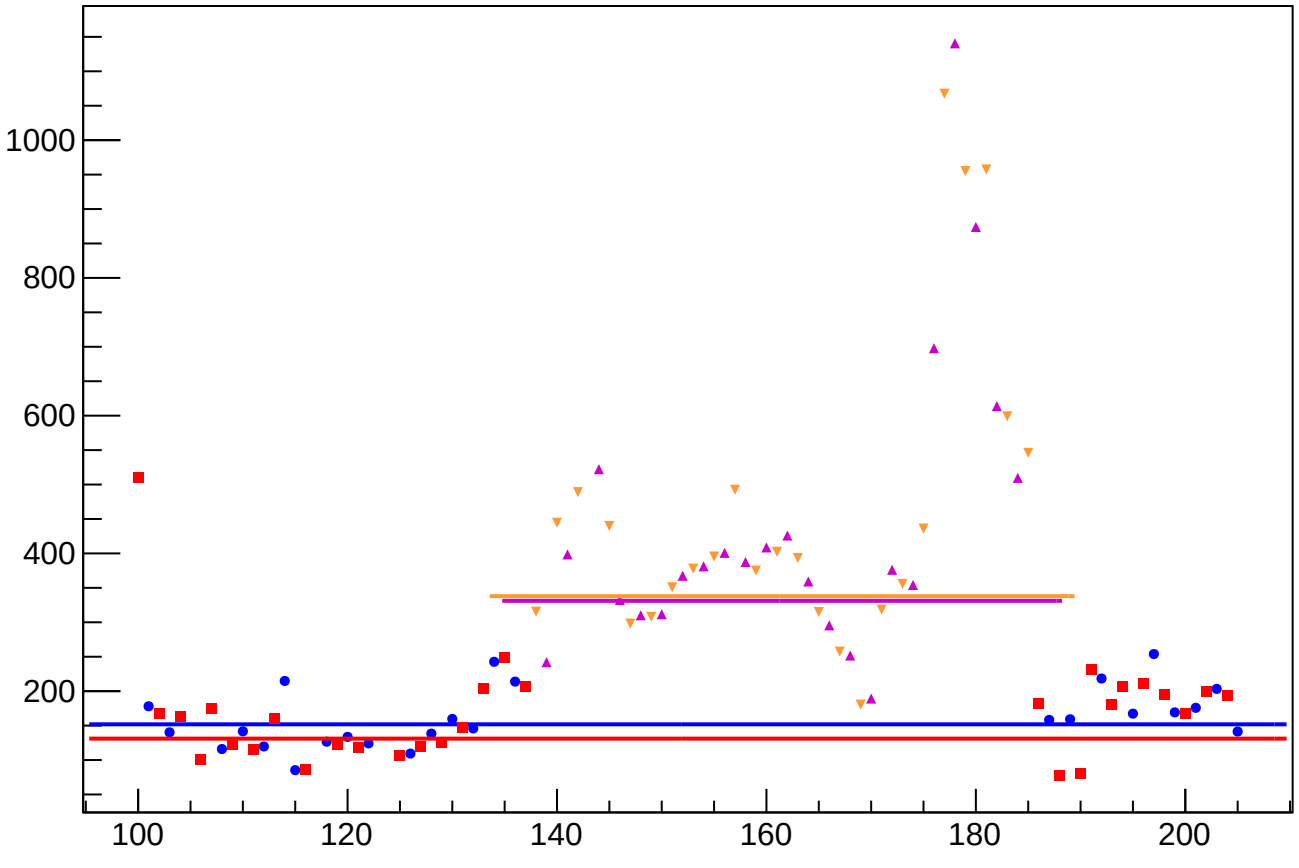
Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

Right: 0.003+/-0.028 χ^2/NDF: 59.5/53

In: -0.047+/-0.038 χ^2/NDF:48.3/47

Out: 0.019+/-0.034 χ^2/NDF:68.1/52

All: -0.010+/-0.026 χ^2/NDF: 118.1/100



Right In: 151.859+/-0.030 χ^2/NDF: 1425069.5/24

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 131.104+/-0.026 χ^2/NDF: 3198740.0/28

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

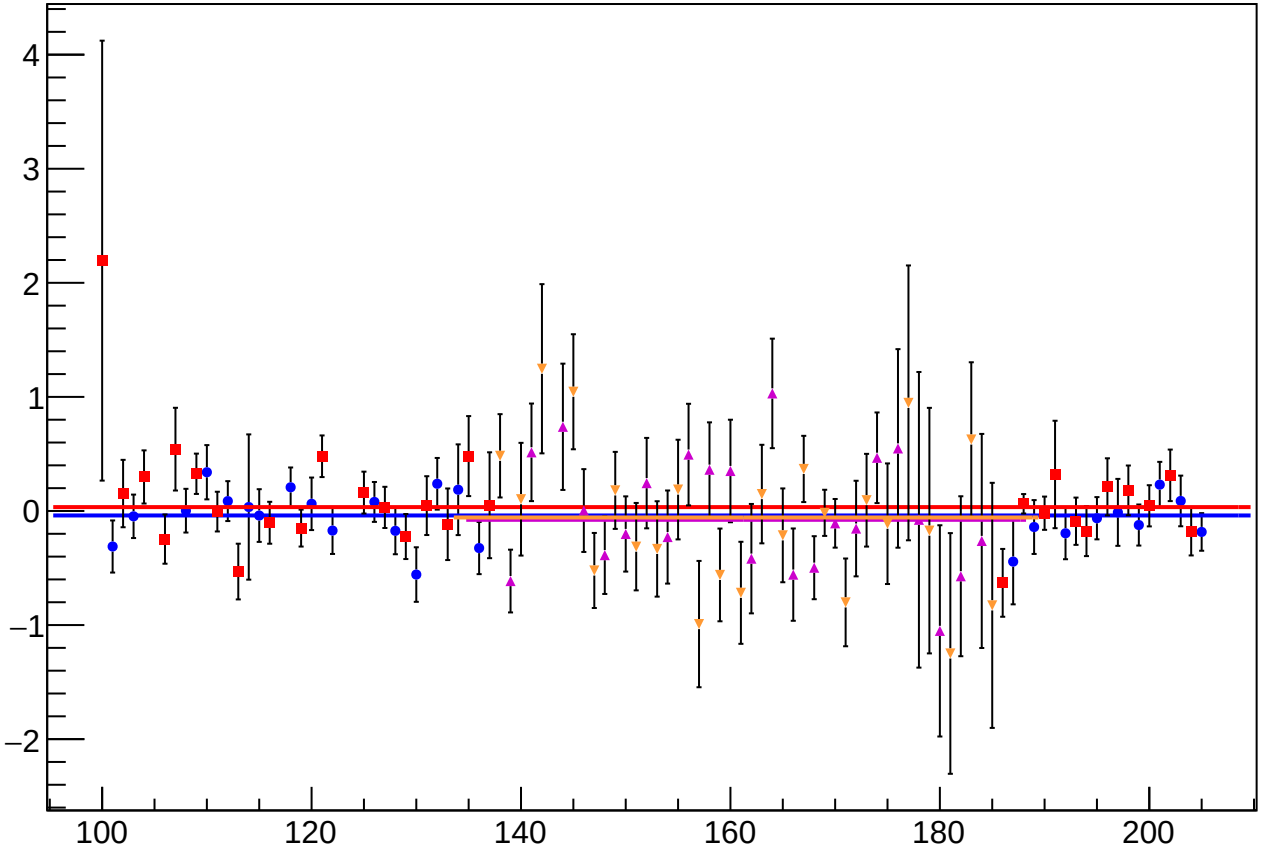
Right: 140.004+/-0.020 χ^2/NDF: 4888815.2/53

In: 189.633+/-0.027 χ^2/NDF:12826156.5/47

Out: 164.256+/-0.024 χ^2/NDF:17553297.1/52

All: 175.524+/-0.018 χ^2/NDF: 30867968.3/10

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: 0.034+/-0.037 χ^2/NDF: 36.7/28

Left In: -0.077+/-0.083 χ^2/NDF:27.0/22

Left: -0.067+/-0.060 χ^2/NDF: 57.4/46

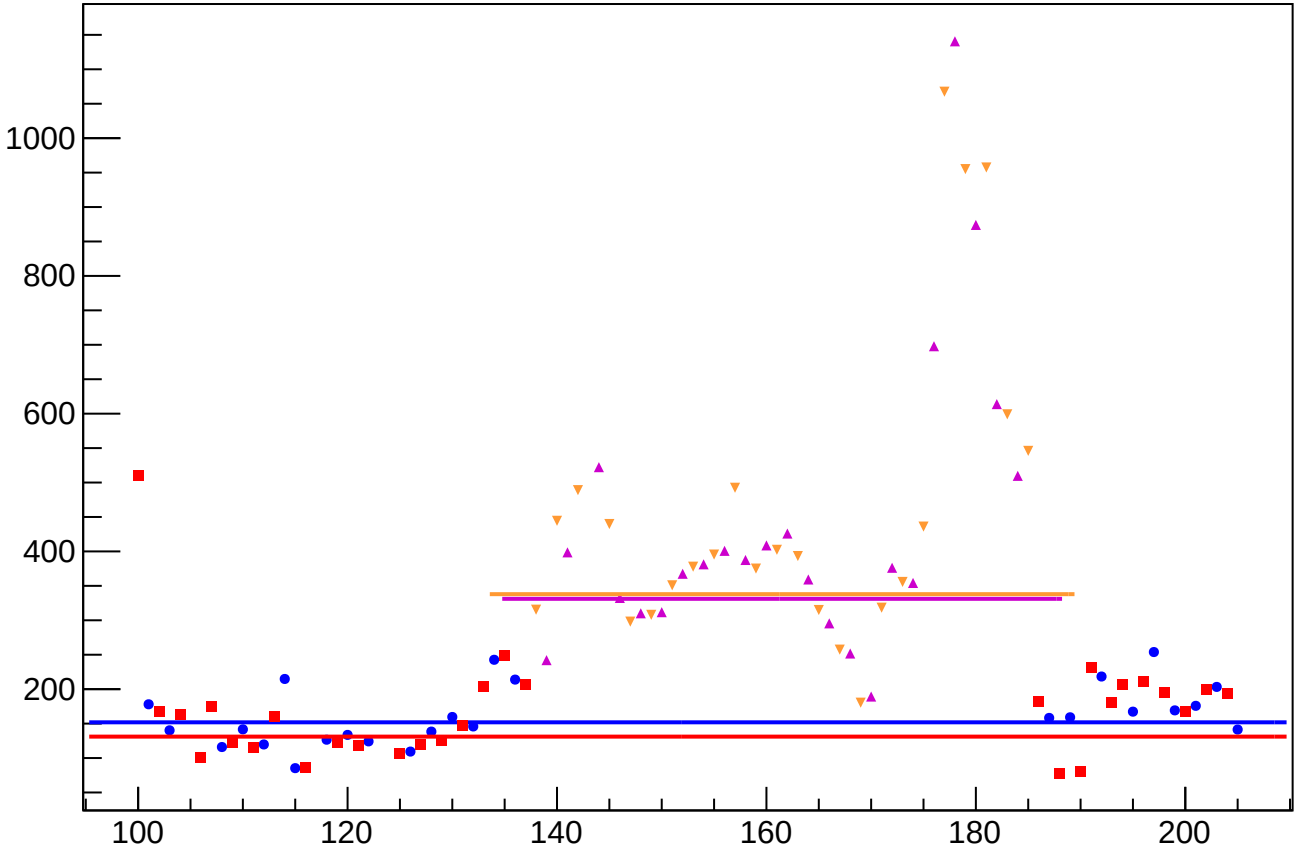
Right: 0.003+/-0.028 χ^2/NDF: 59.5/53

In: -0.047+/-0.038 χ^2/NDF:48.3/47

Out: 0.019+/-0.034 χ^2/NDF:68.1/52

All: -0.010+/-0.026 χ^2/NDF: 118.1/100

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 151.859+/-0.030 χ^2/NDF: 1425069.5/24

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

Right Out: 131.104+/-0.026 χ^2/NDF: 3198740.0/28

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

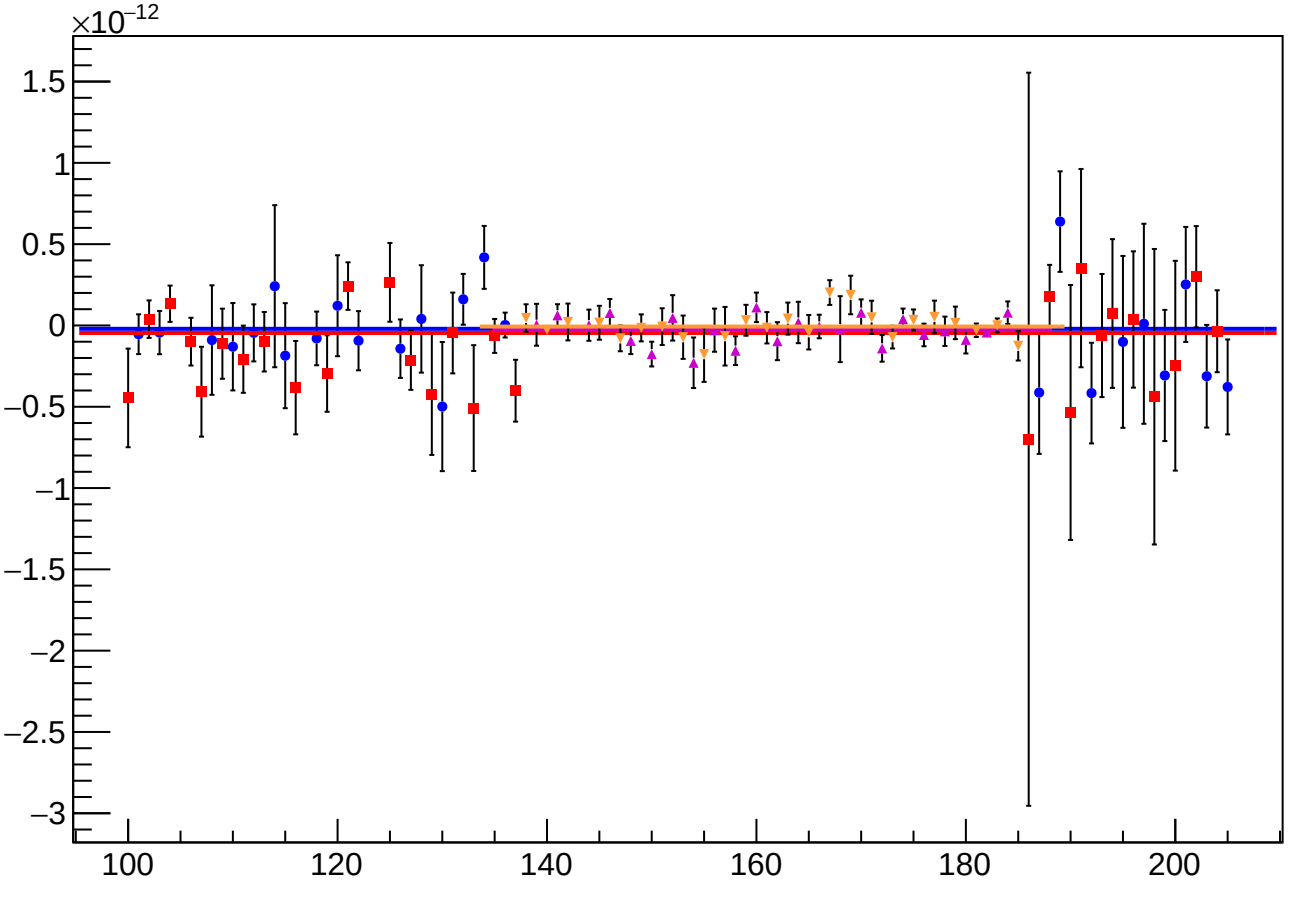
Left: 334.468+/-0.042 χ^2/NDF: 8630607.3/46

Right: 140.004+/-0.020 χ^2/NDF: 4888815.2/53

In: 189.633+/-0.027 χ^2/NDF:12826156.5/47

Out: 164.256+/-0.024 χ^2/NDF:17553297.1/52

All: 175.524+/-0.018 χ^2/NDF: 30867968.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 26.1/28

Left In: -0.000+/-0.000 χ^2/NDF:22.8/22

Left: -0.000+/-0.000 χ^2/NDF: 41.7/46

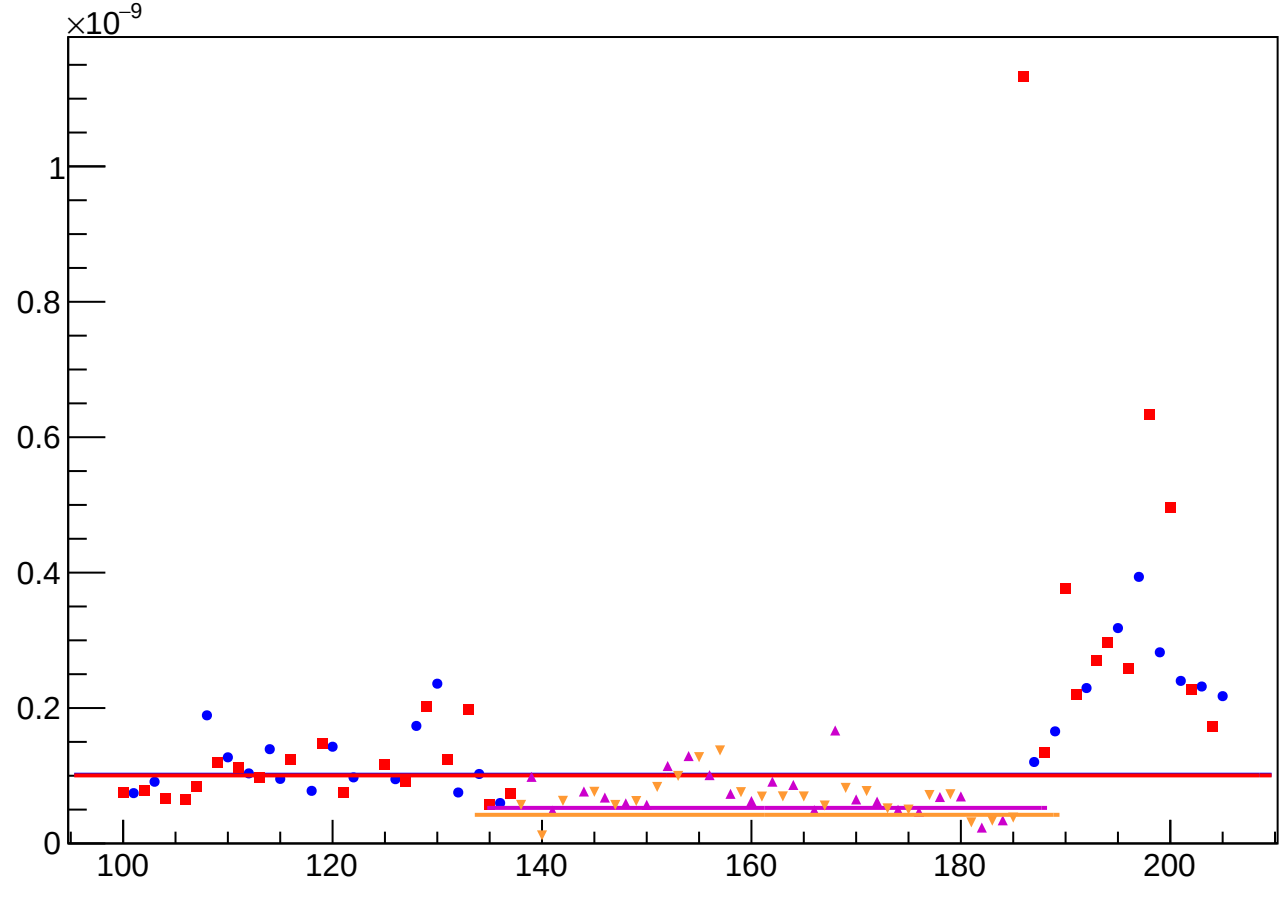
Right: -0.000+/-0.000 χ^2/NDF: 47.0/53

In: -0.000+/-0.000 χ^2/NDF:43.5/47

Out: -0.000+/-0.000 χ^2/NDF:45.1/52

All: -0.000+/-0.000 χ^2/NDF: 89.1/100

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3921856.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5042464.7/28

Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

Left: 0.000+/-0.000 χ^2/NDF: 12028477.0/46

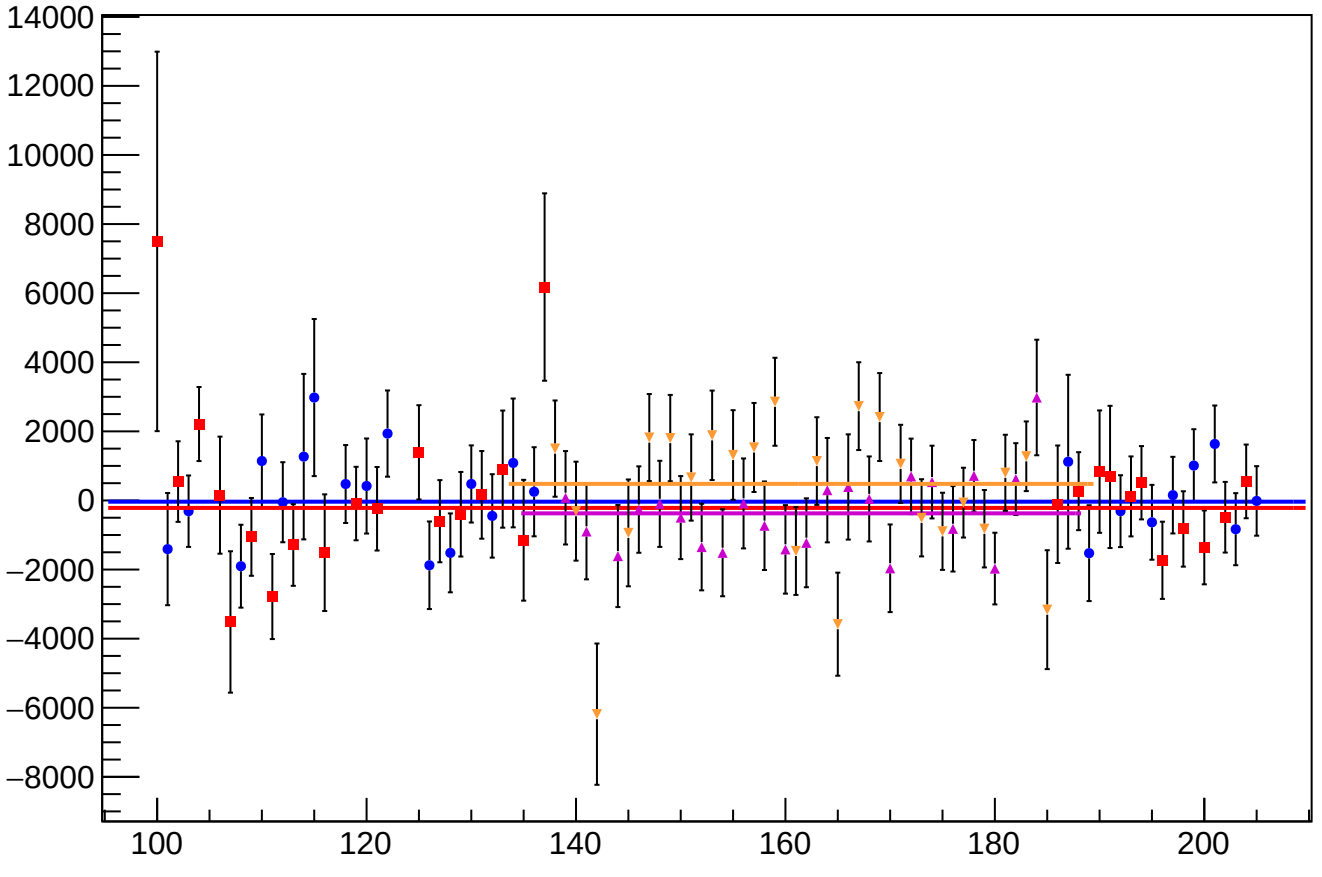
Right: 0.000+/-0.000 χ^2/NDF: 8965018.0/53

In: 0.000+/-0.000 χ^2/NDF:11400269.3/47

Out: 0.000+/-0.000 χ^2/NDF:15616116.0/52

All: 0.000+/-0.000 χ^2/NDF: 27531843.2/100

reg_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: -215.819+/-240.238 χ^2/NDF: 29.6/28

Left In: -372.926+/-259.314 χ^2/NDF:16.0/22

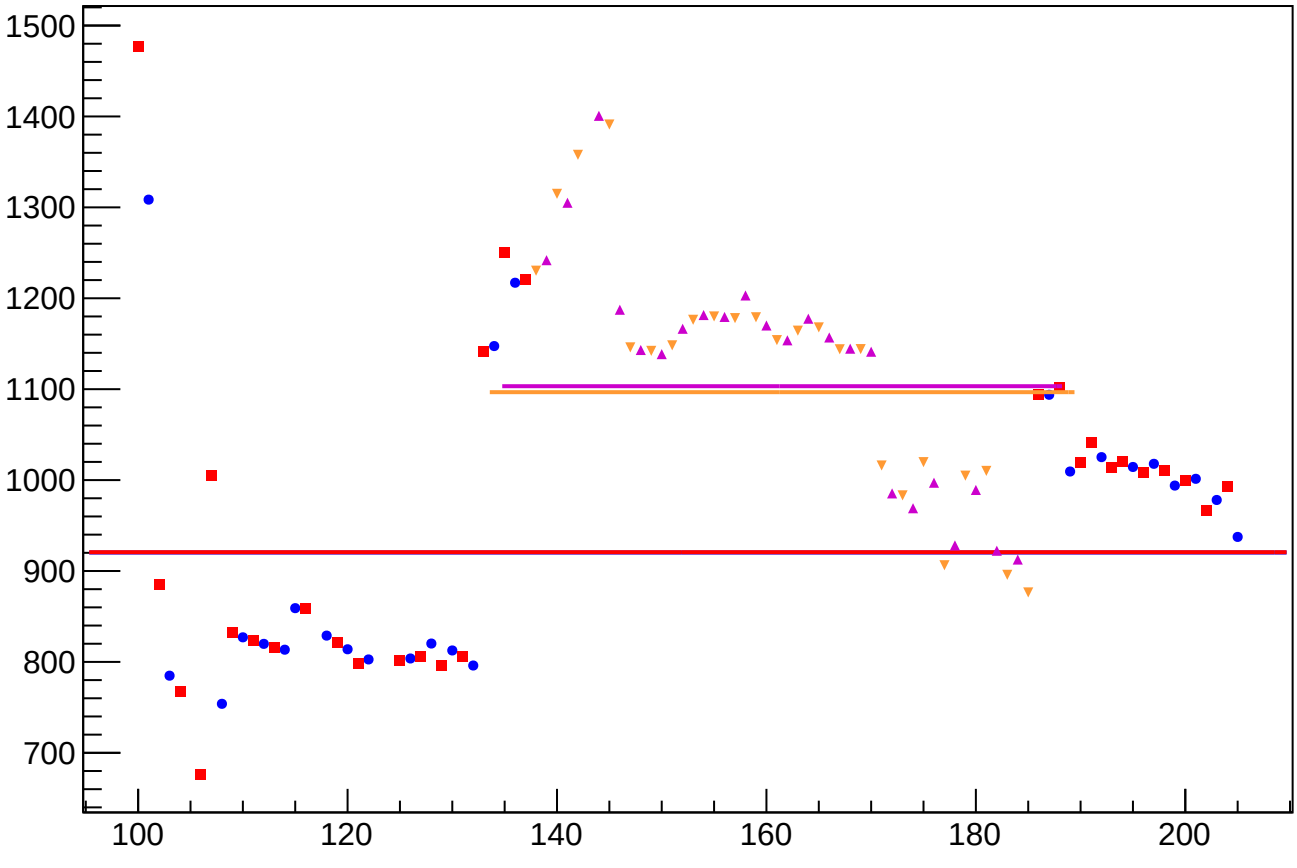
Left: 58.248+/-182.298 χ^2/NDF: 66.7/46

Right: -128.460+/-172.498 χ^2/NDF: 48.8/53

In: -196.575+/-179.168 χ^2/NDF:35.9/47

Out: 109.357+/-175.287 χ^2/NDF:78.7/52

All: -40.259+/-125.296 χ^2/NDF: 116.0/100



Right In: 920.315+/-0.175 χ^2/NDF: 563668.8/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.684+/-0.169 χ^2/NDF: 585700.2/28

Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

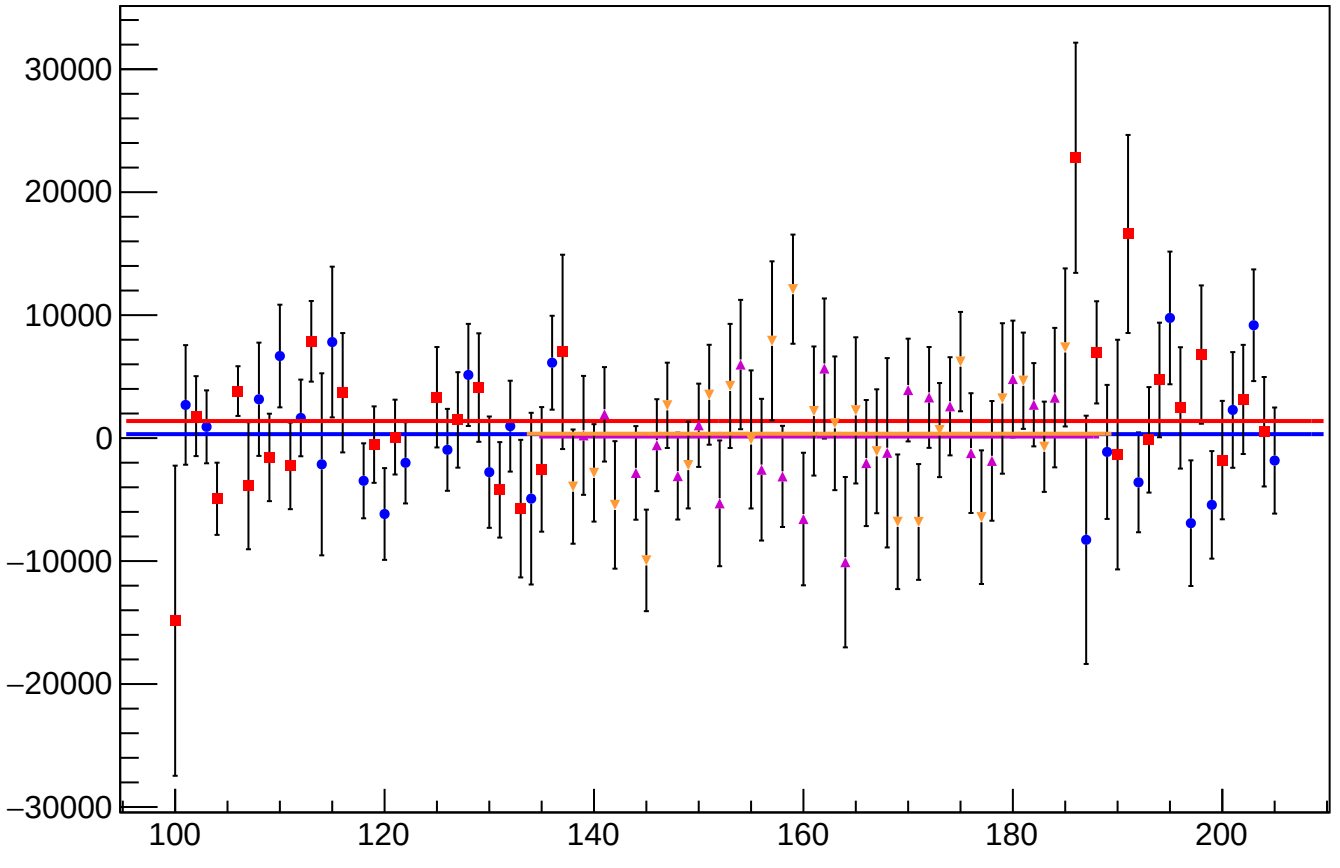
Left: 1099.958+/-0.129 χ^2/NDF: 928688.2/46

Right: 920.507+/-0.122 χ^2/NDF: 1149371.3/53

In: 1007.660+/-0.127 χ^2/NDF:1531560.6/47

Out: 1002.389+/-0.123 χ^2/NDF:1571587.0/52

All: 1004.957+/-0.088 χ^2/NDF: 3104035.4/10



Right In: 321.800+/-840.677 χ^2/NDF: 27.5/24

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: 1387.926+/-755.879 χ^2/NDF: 33.6/28

Left In: 126.696+/-932.645 χ^2/NDF:13.8/22

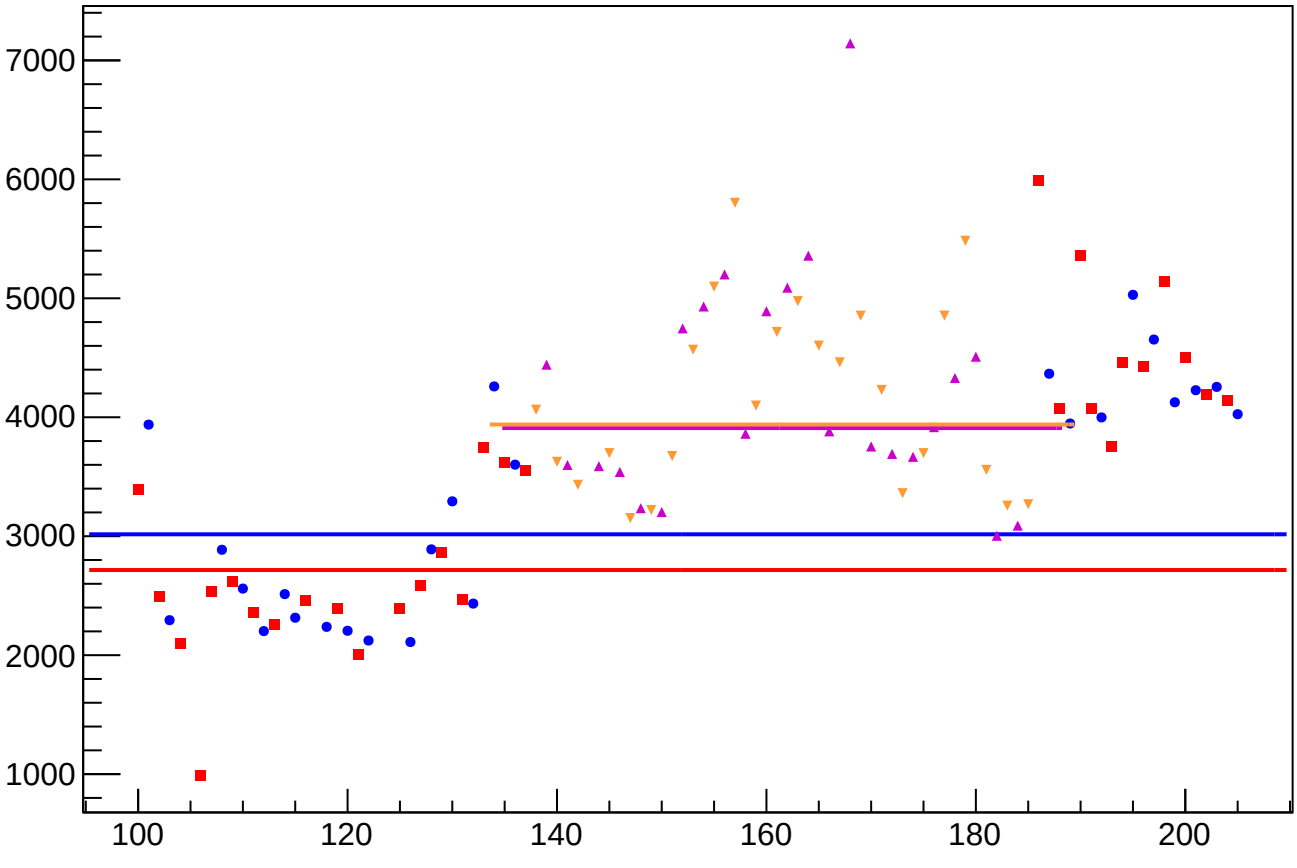
Left: 242.018+/-660.036 χ^2/NDF: 44.1/46

Right: 911.329+/-562.083 χ^2/NDF: 61.9/53

In: 234.339+/-624.439 χ^2/NDF:41.2/47

Out: 980.338+/-587.625 χ^2/NDF:64.6/52

All: 629.976+/-427.936 χ^2/NDF: 106.6/100



Right In: 3016.101+/-0.594 χ^2/NDF: 2290411.3/24

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2715.803+/-0.534 χ^2/NDF: 4327956.0/28

Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

Left: 3924.172+/-0.467 χ^2/NDF: 2394482.8/46

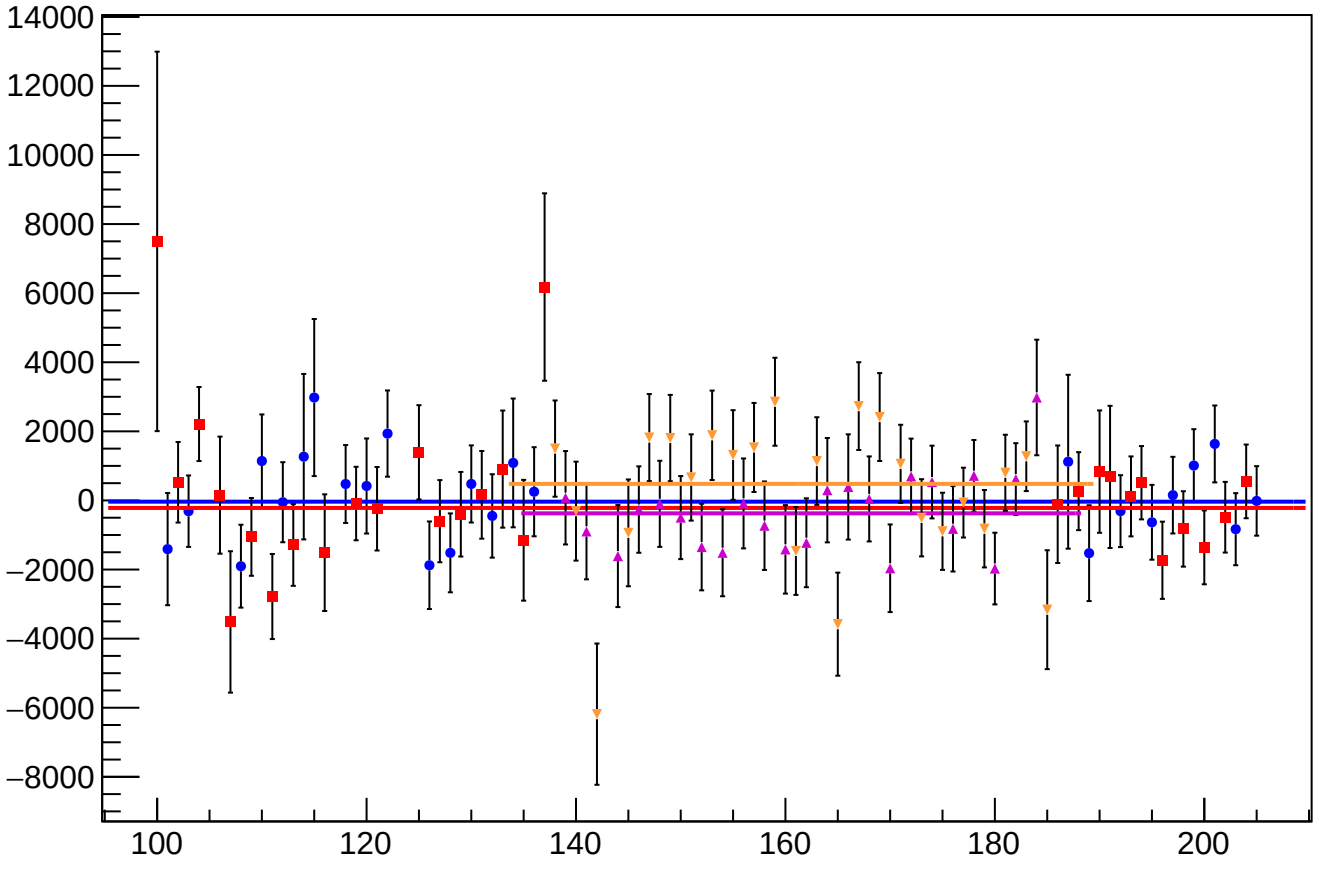
Right: 2850.047+/-0.397 χ^2/NDF: 6759481.7/53

In: 3416.427+/-0.442 χ^2/NDF:4602887.8/47

Out: 3199.853+/-0.416 χ^2/NDF:7493648.6/52

All: 3301.568+/-0.303 χ^2/NDF: 12224126.9/1

cor_asym_usl_atl2_dd_mean vs Slug, Sign Corrected



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -216.750+/-240.240 χ^2/NDF: 29.5/28

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

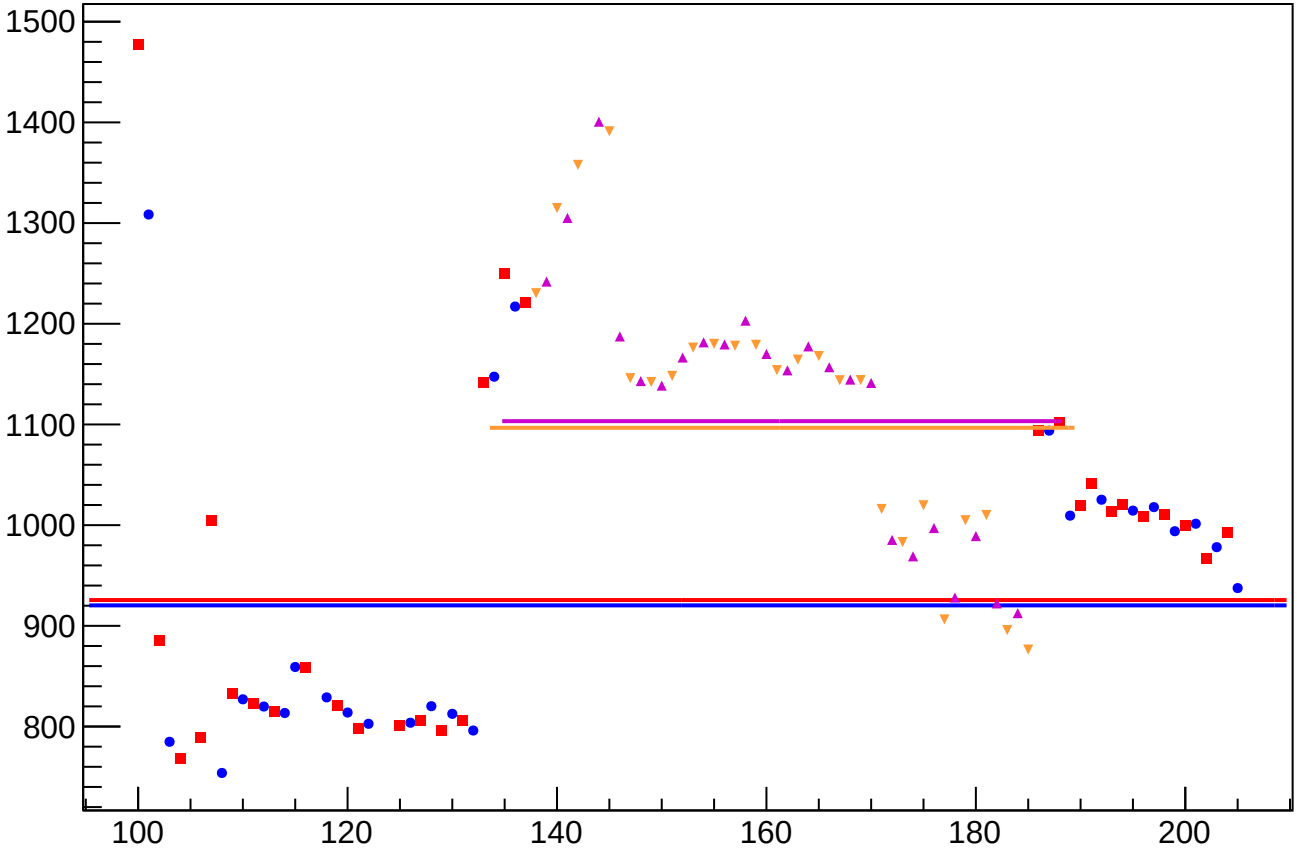
Right: -128.939+/-172.499 χ^2/NDF: 48.8/53

In: -196.562+/-179.168 χ^2/NDF:35.9/47

Out: 108.878+/-175.288 χ^2/NDF:78.6/52

All: -40.499+/-125.296 χ^2/NDF: 116.0/100

cor_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 920.315+/-0.175 χ^2/NDF: 563668.6/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.617+/-0.169 χ^2/NDF: 529384.8/28

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

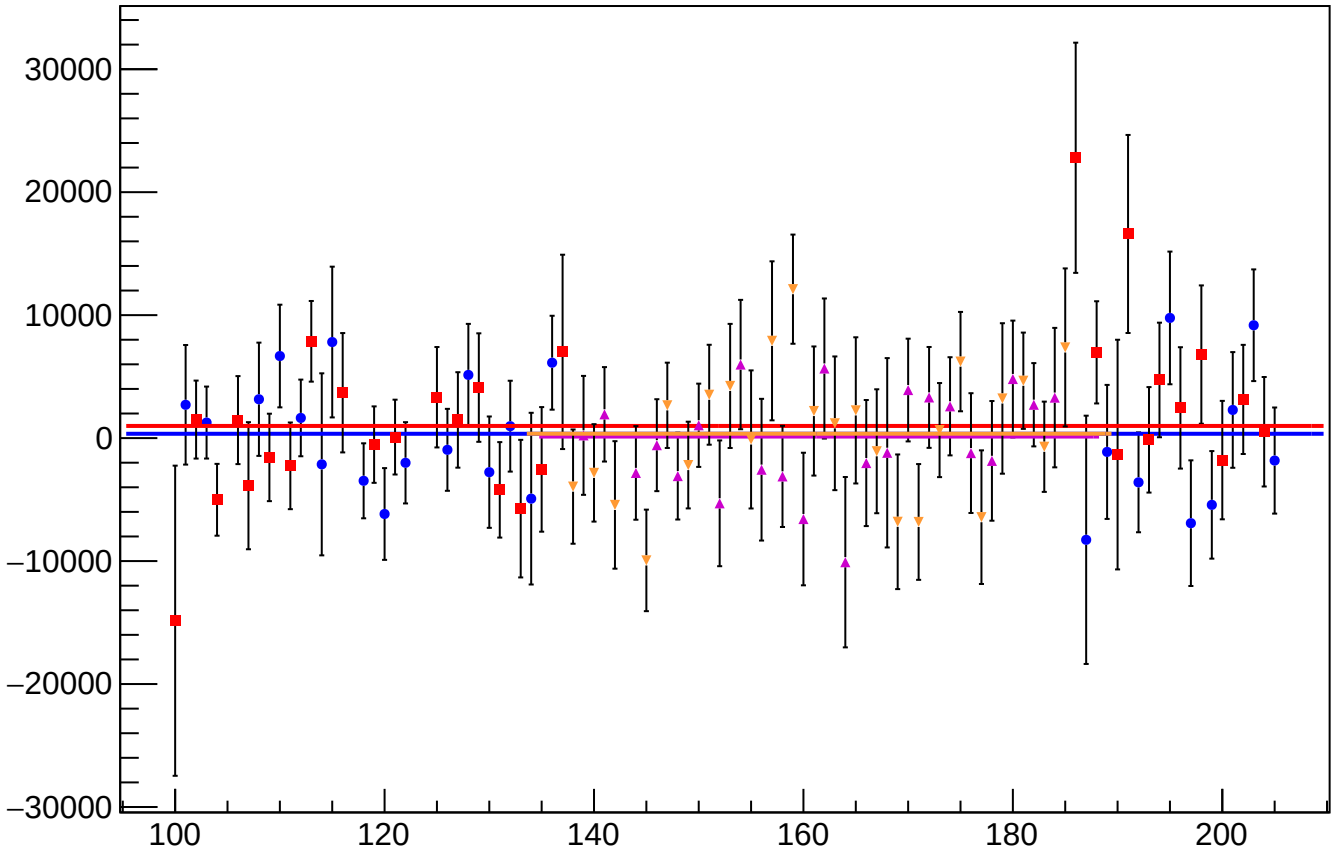
Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

Right: 923.056+/-0.122 χ^2/NDF: 1093526.5/53

In: 1007.660+/-0.127 χ^2/NDF:1531560.7/47

Out: 1005.380+/-0.124 χ^2/NDF:1485535.1/52

All: 1006.493+/-0.089 χ^2/NDF: 3017261.6/10



Right In: 352.000+/-839.775 χ^2/NDF: 27.5/24

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 989.378+/-793.126 χ^2/NDF: 32.1/28

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

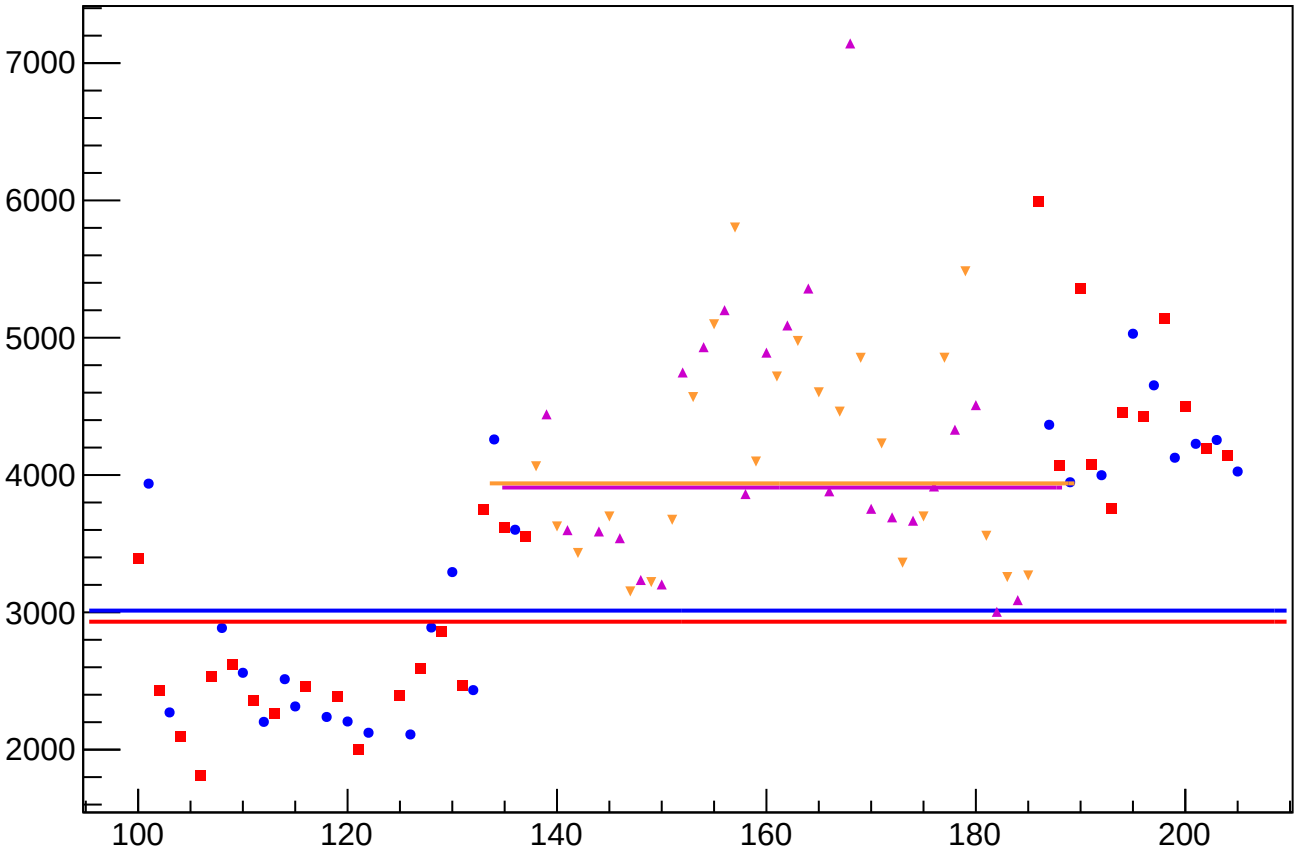
Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

Right: 688.883+/-576.611 χ^2/NDF: 59.9/53

In: 251.094+/-624.068 χ^2/NDF:41.3/47

Out: 724.806+/-604.621 χ^2/NDF:62.6/52

All: 495.446+/-434.244 χ^2/NDF: 104.2/100



Right In: 3012.645+/-0.594 χ^2/NDF: 2301328.3/24

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2931.845+/-0.561 χ^2/NDF: 2855302.2/28

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

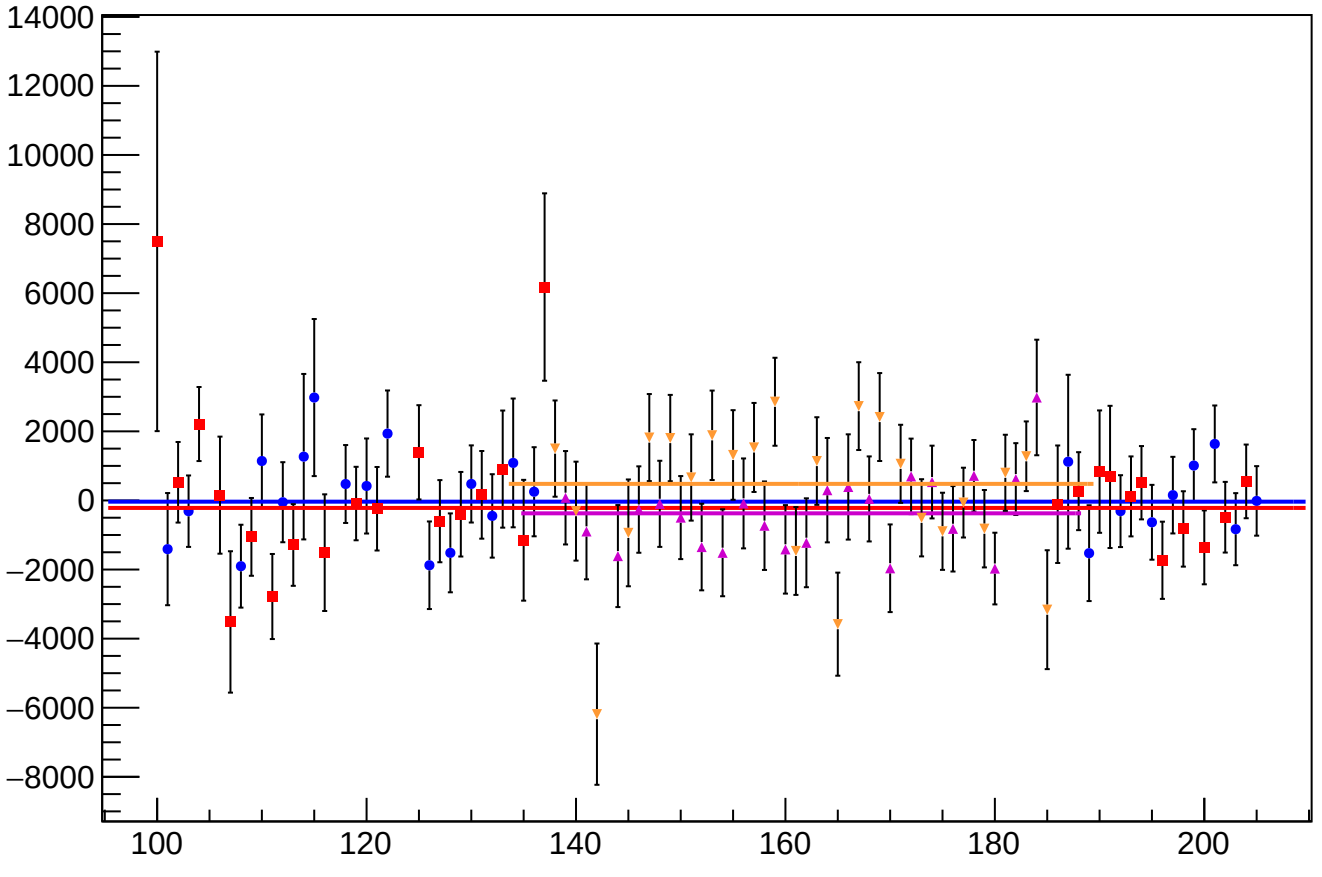
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2969.938+/-0.408 χ^2/NDF: 5166416.5/53

In: 3414.042+/-0.441 χ^2/NDF:4622629.0/47

Out: 3353.811+/-0.428 χ^2/NDF:5299517.5/52

All: 3382.974+/-0.307 χ^2/NDF: 9931755.9/10



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: -216.750+/-240.240 χ^2/NDF: 29.5/28

Left In: -372.901+/-259.314 χ^2/NDF:16.0/22

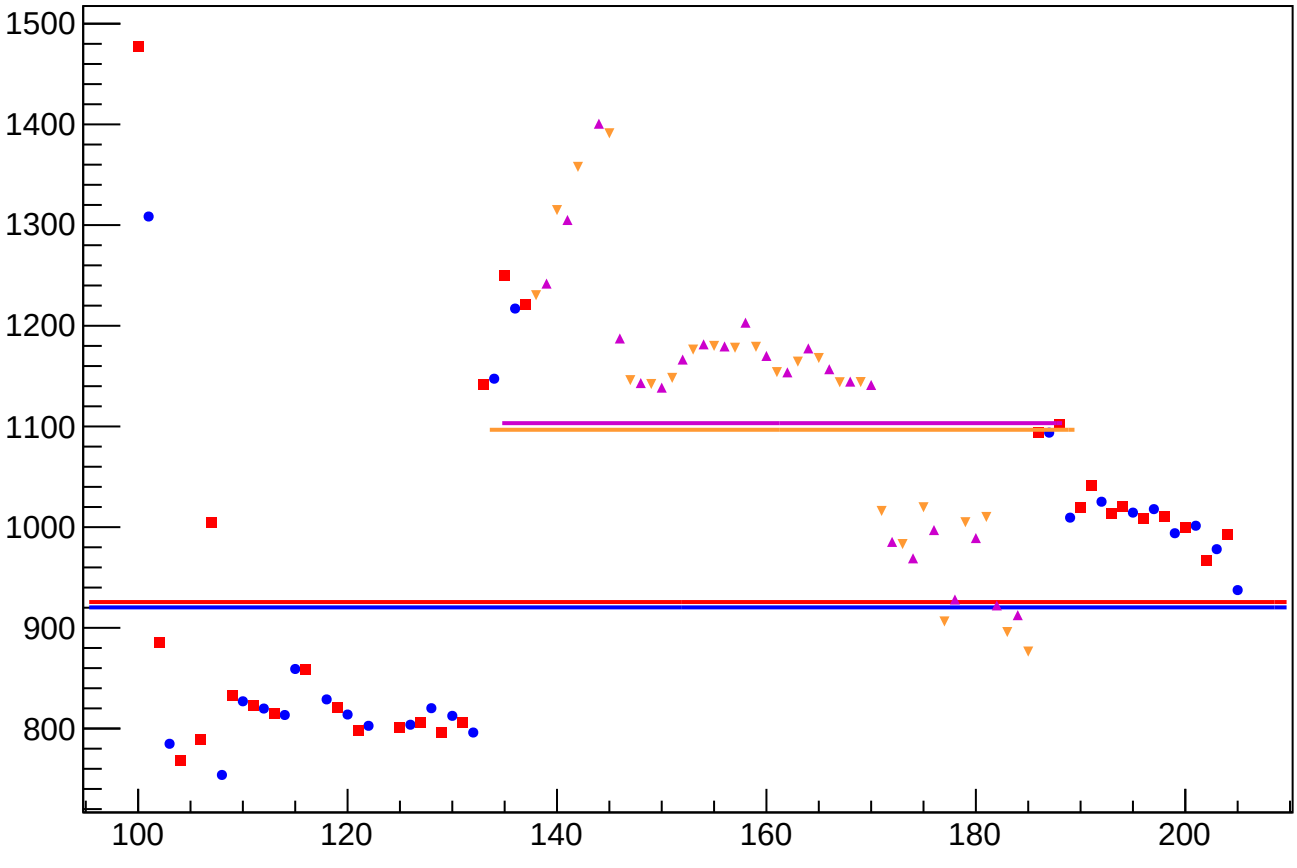
Left: 58.275+/-182.298 χ^2/NDF: 66.7/46

Right: -128.939+/-172.499 χ^2/NDF: 48.8/53

In: -196.562+/-179.168 χ^2/NDF:35.9/47

Out: 108.878+/-175.288 χ^2/NDF:78.6/52

All: -40.499+/-125.296 χ^2/NDF: 116.0/100



Right In: 920.315+/-0.175 χ^2/NDF: 563668.6/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 925.617+/-0.169 χ^2/NDF: 529384.8/28

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

Left: 1099.958+/-0.129 χ^2/NDF: 928688.1/46

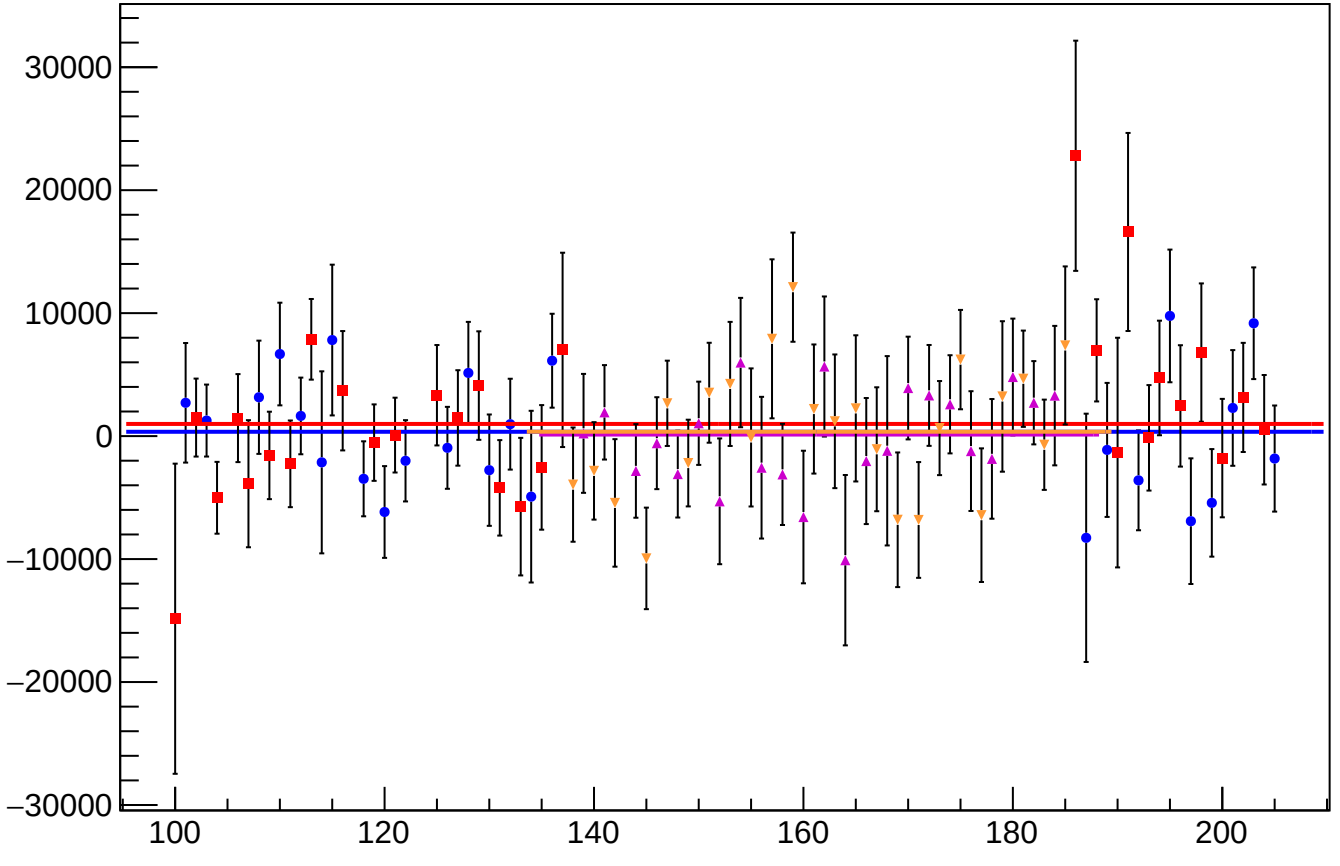
Right: 923.056+/-0.122 χ^2/NDF: 1093526.5/53

In: 1007.660+/-0.127 χ^2/NDF:1531560.7/47

Out: 1005.380+/-0.124 χ^2/NDF:1485535.1/52

All: 1006.493+/-0.089 χ^2/NDF: 3017261.6/10

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 352.000+/-839.775 χ^2/NDF: 27.5/24

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: 989.378+/-793.126 χ^2/NDF: 32.1/28

Left In: 126.635+/-932.644 χ^2/NDF:13.8/22

Left: 241.986+/-660.036 χ^2/NDF: 44.1/46

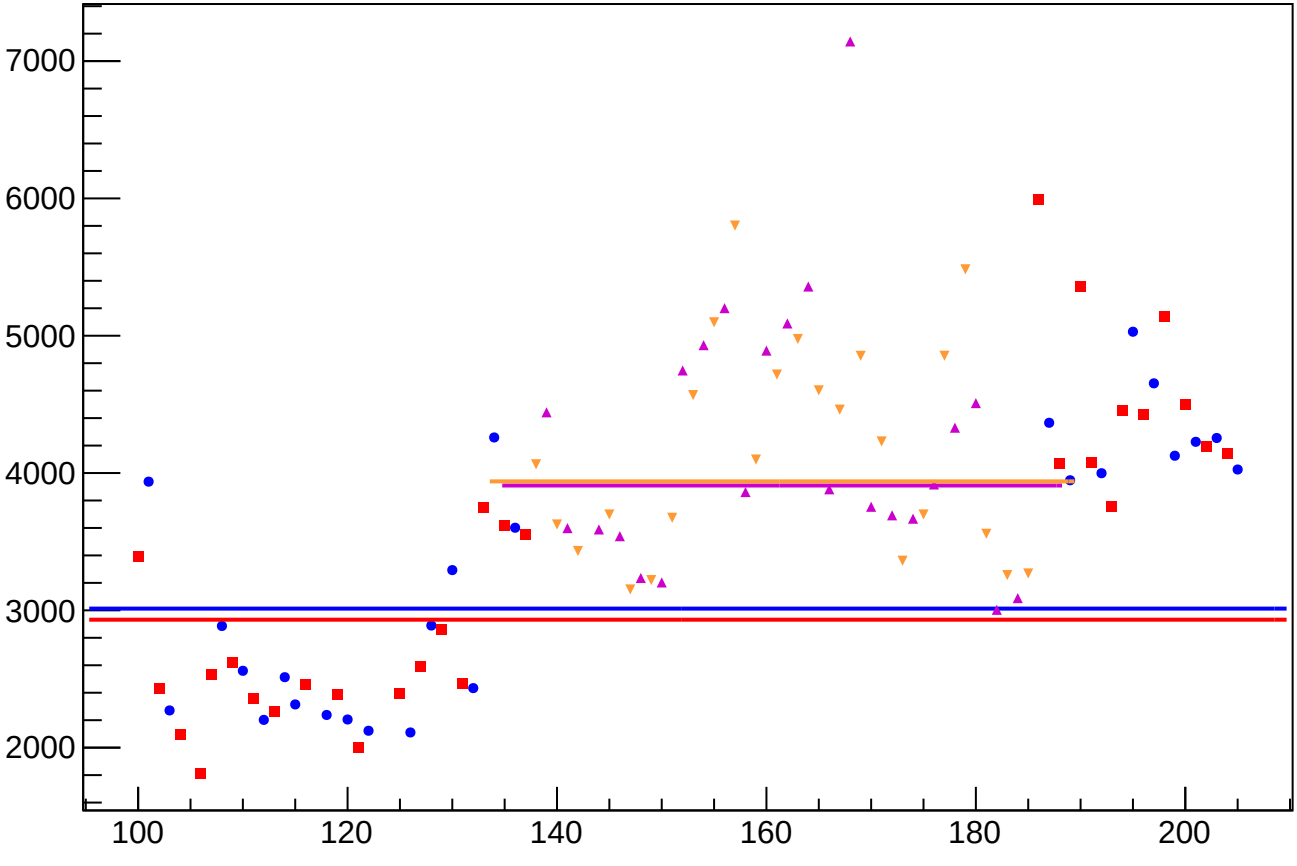
Right: 688.883+/-576.611 χ^2/NDF: 59.9/53

In: 251.094+/-624.068 χ^2/NDF:41.3/47

Out: 724.806+/-604.621 χ^2/NDF:62.6/52

All: 495.446+/-434.244 χ^2/NDF: 104.2/100

asym_usl_atl2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 3012.645+/-0.594 χ^2/NDF: 2301328.3/24

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2931.845+/-0.561 χ^2/NDF: 2855302.2/28

Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

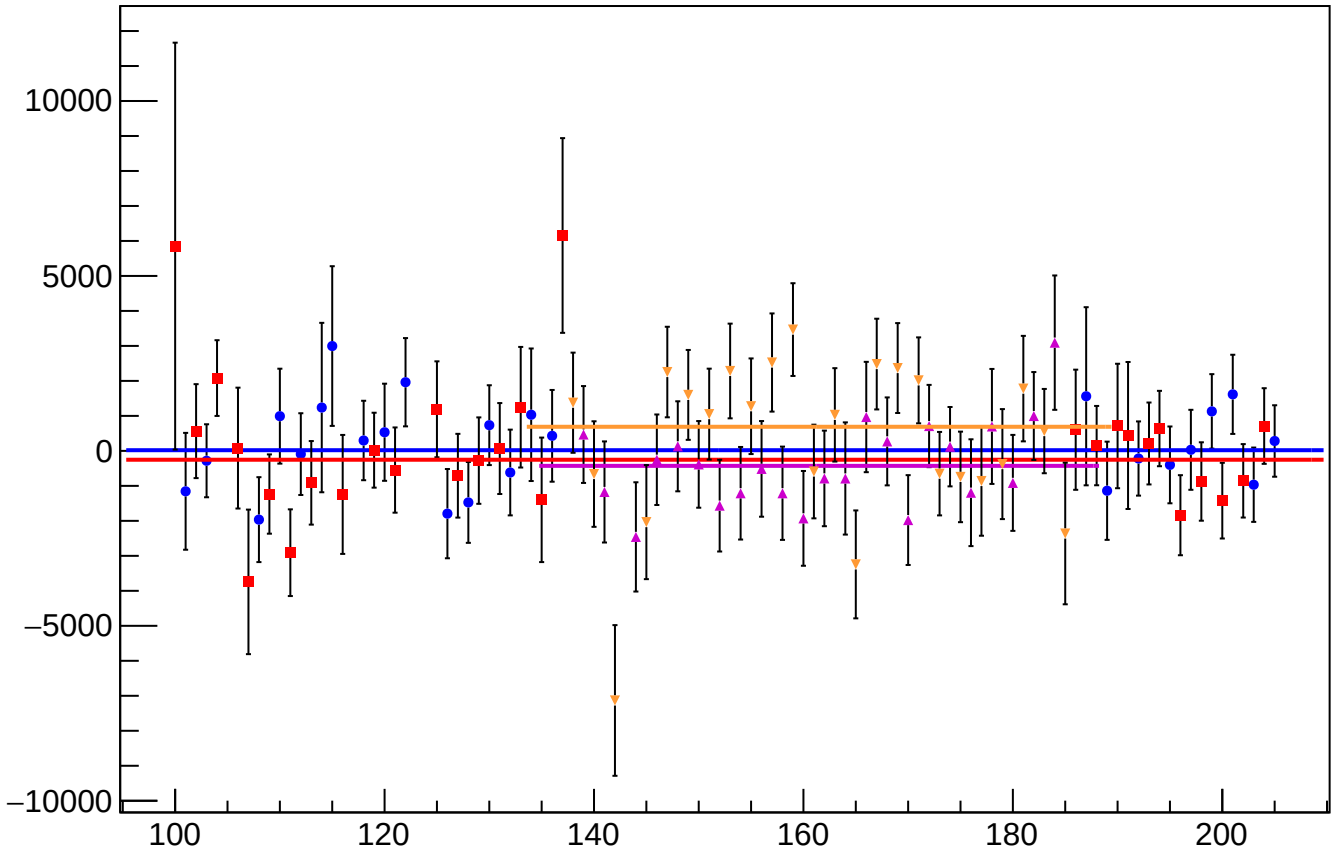
Left: 3924.171+/-0.467 χ^2/NDF: 2394482.7/46

Right: 2969.938+/-0.408 χ^2/NDF: 5166416.5/53

In: 3414.042+/-0.441 χ^2/NDF:4622629.0/47

Out: 3353.811+/-0.428 χ^2/NDF:5299517.5/52

All: 3382.974+/-0.307 χ^2/NDF: 9931755.9/10



Right In: 19.405+/-251.303 χ^2/NDF: 18.3/24

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: -253.281+/-244.548 χ^2/NDF: 29.1/28

Left In: -428.052+/-284.383 χ^2/NDF:14.6/22

Left: 130.507+/-201.091 χ^2/NDF: 68.1/46

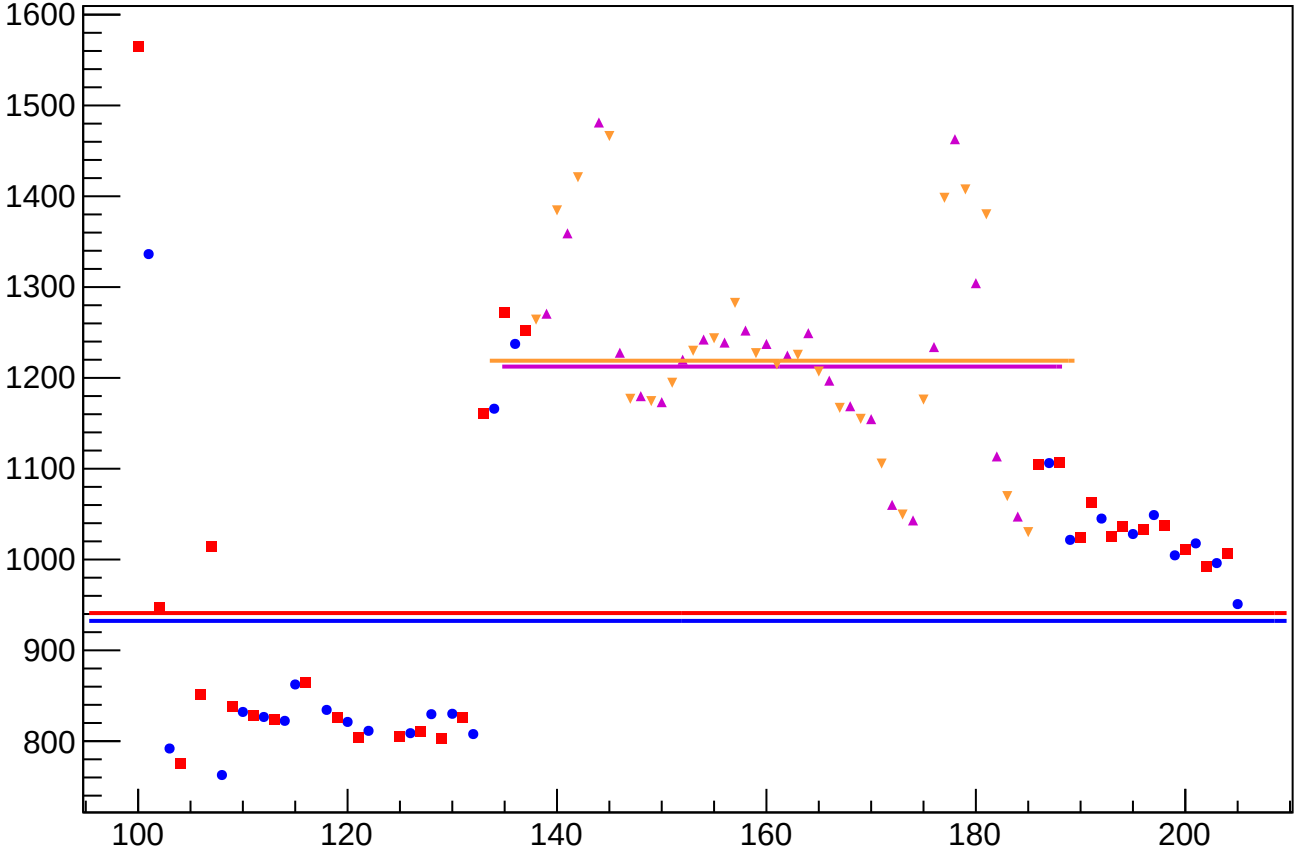
Right: -120.652+/-175.261 χ^2/NDF: 48.0/53

In: -176.797+/-188.313 χ^2/NDF:34.3/47

Out: 147.323+/-185.421 χ^2/NDF:81.1/52

All: -12.229+/-132.123 χ^2/NDF: 116.9/100

dit_asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 932.417+/-0.178 χ^2/NDF: 586372.2/24

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 941.050+/-0.173 χ^2/NDF: 539485.4/28

Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

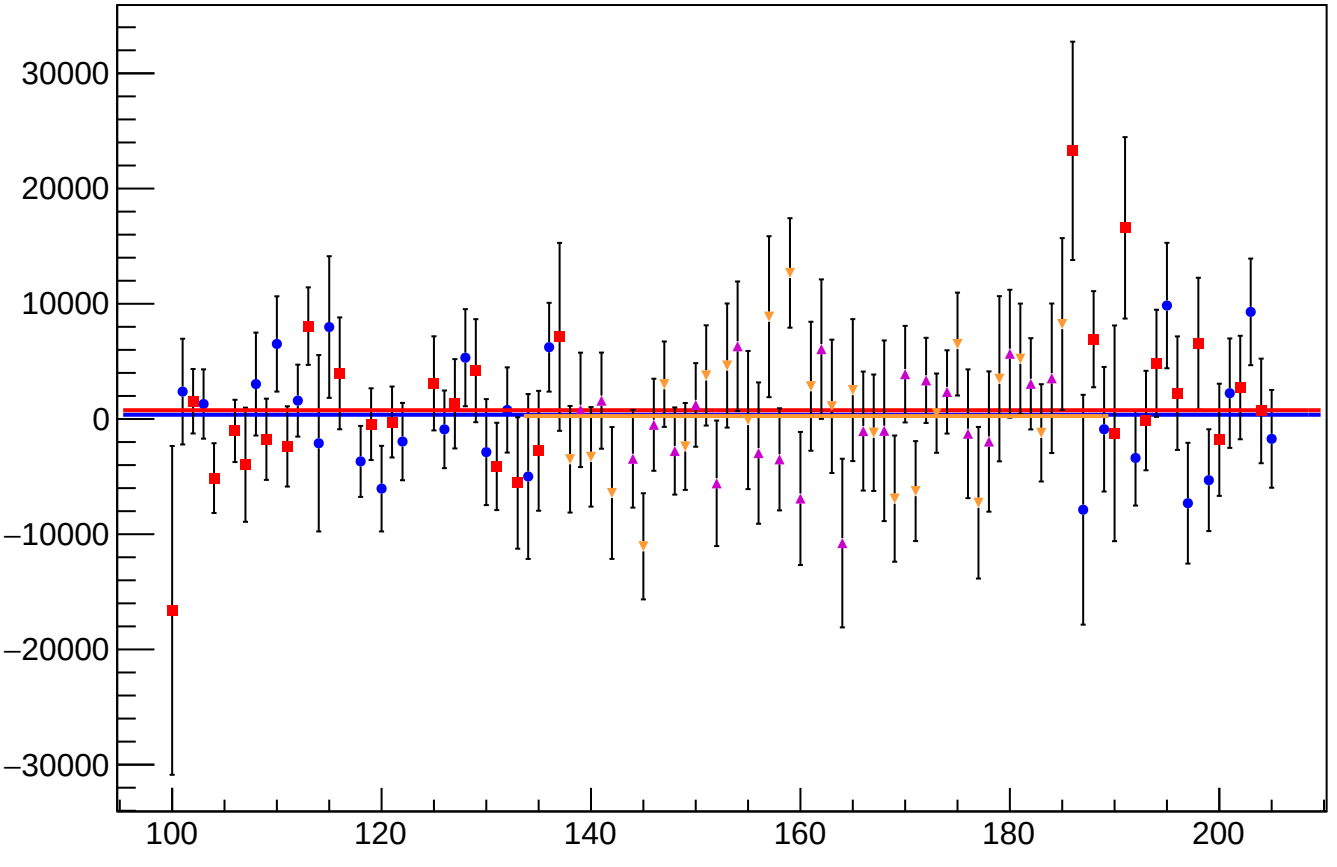
Left: 1215.687+/-0.142 χ^2/NDF: 554714.2/46

Right: 936.853+/-0.124 χ^2/NDF: 1127070.5/53

In: 1055.205+/-0.133 χ^2/NDF:1935613.1/47

Out: 1059.102+/-0.131 χ^2/NDF:1931630.4/52

All: 1057.184+/-0.093 χ^2/NDF: 3867678.5/10



Right In: 369.526+/-844.632 χ^2/NDF: 27.2/24

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: 762.301+/-776.380 χ^2/NDF: 32.6/28

Left In: 266.235+/-990.083 χ^2/NDF:13.4/22

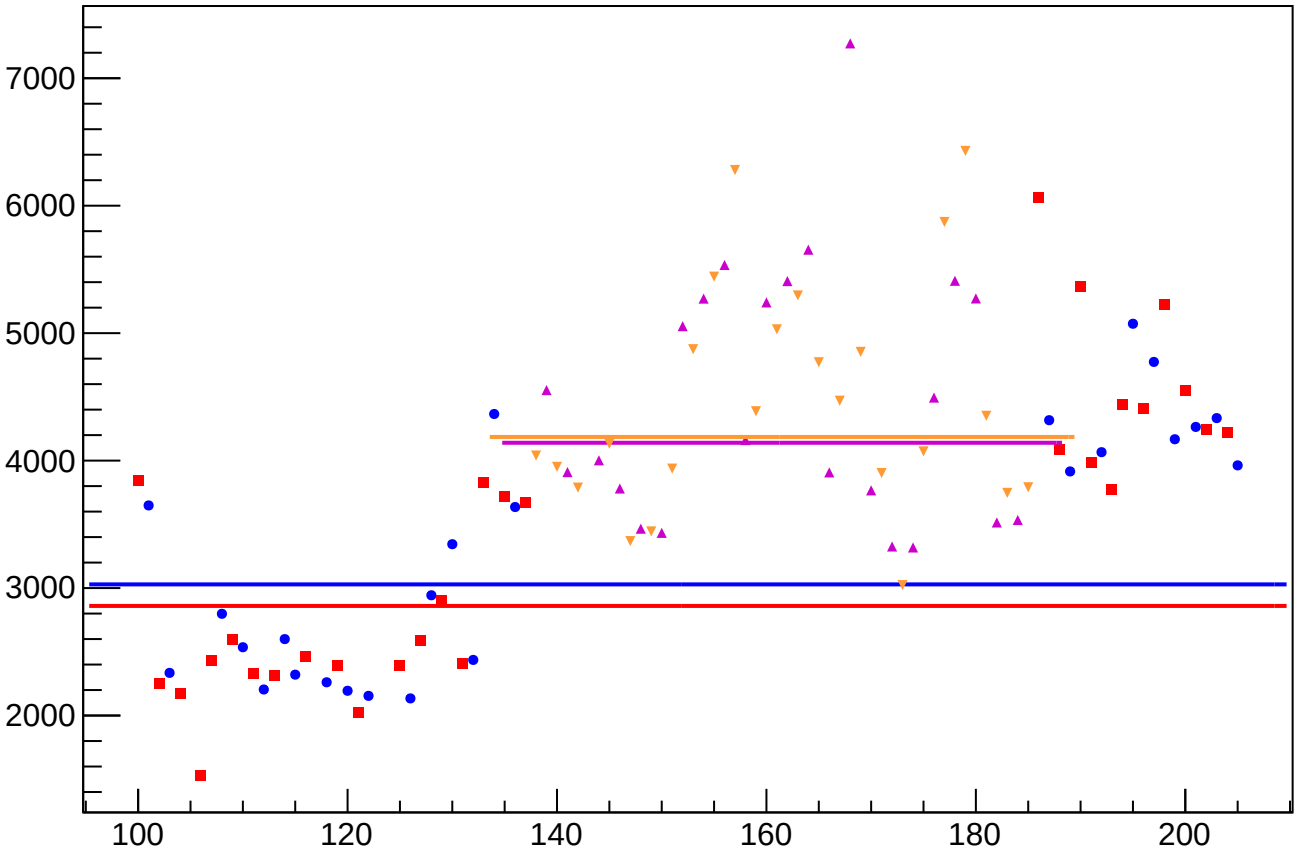
Left: 259.553+/-701.879 χ^2/NDF: 43.1/46

Right: 582.422+/-571.592 χ^2/NDF: 60.0/53

In: 326.018+/-642.577 χ^2/NDF:40.7/47

Out: 569.526+/-612.129 χ^2/NDF:62.5/52

All: 453.677+/-443.214 χ^2/NDF: 103.2/100



Right In: 3028.972+/-0.597 χ^2/NDF: 2273200.3/24

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2859.977+/-0.549 χ^2/NDF: 3278234.3/28

Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

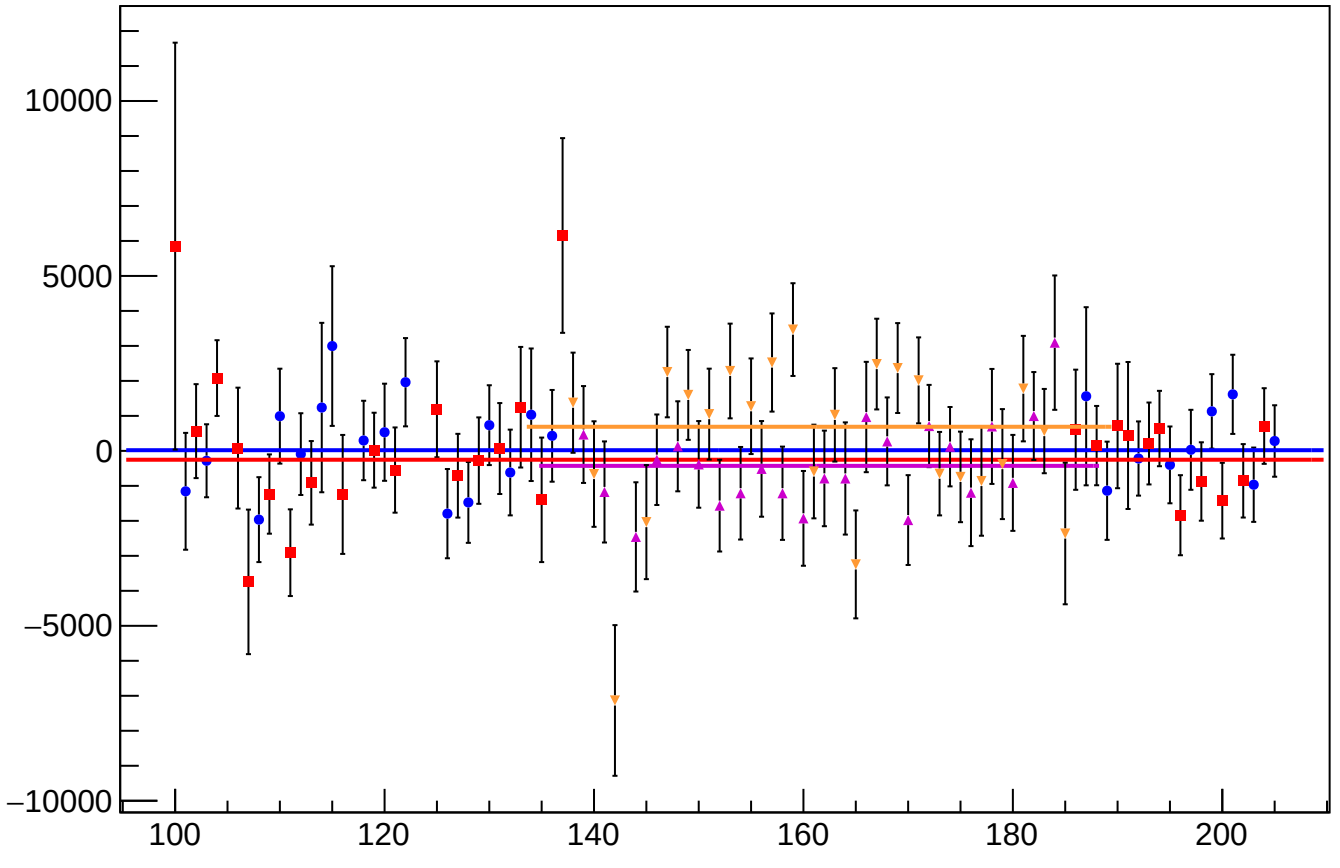
Left: 4162.737+/-0.496 χ^2/NDF: 2723283.3/46

Right: 2937.372+/-0.404 χ^2/NDF: 5594832.0/53

In: 3496.979+/-0.454 χ^2/NDF:5180905.0/47

Out: 3361.565+/-0.433 χ^2/NDF:6755792.6/52

All: 3425.988+/-0.313 χ^2/NDF: 11983260.8/1



Right In: 19.406+/-251.303 χ^2/NDF: 18.3/24

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: -253.284+/-244.548 χ^2/NDF: 29.1/28

Left In: -428.050+/-284.383 χ^2/NDF:14.6/22

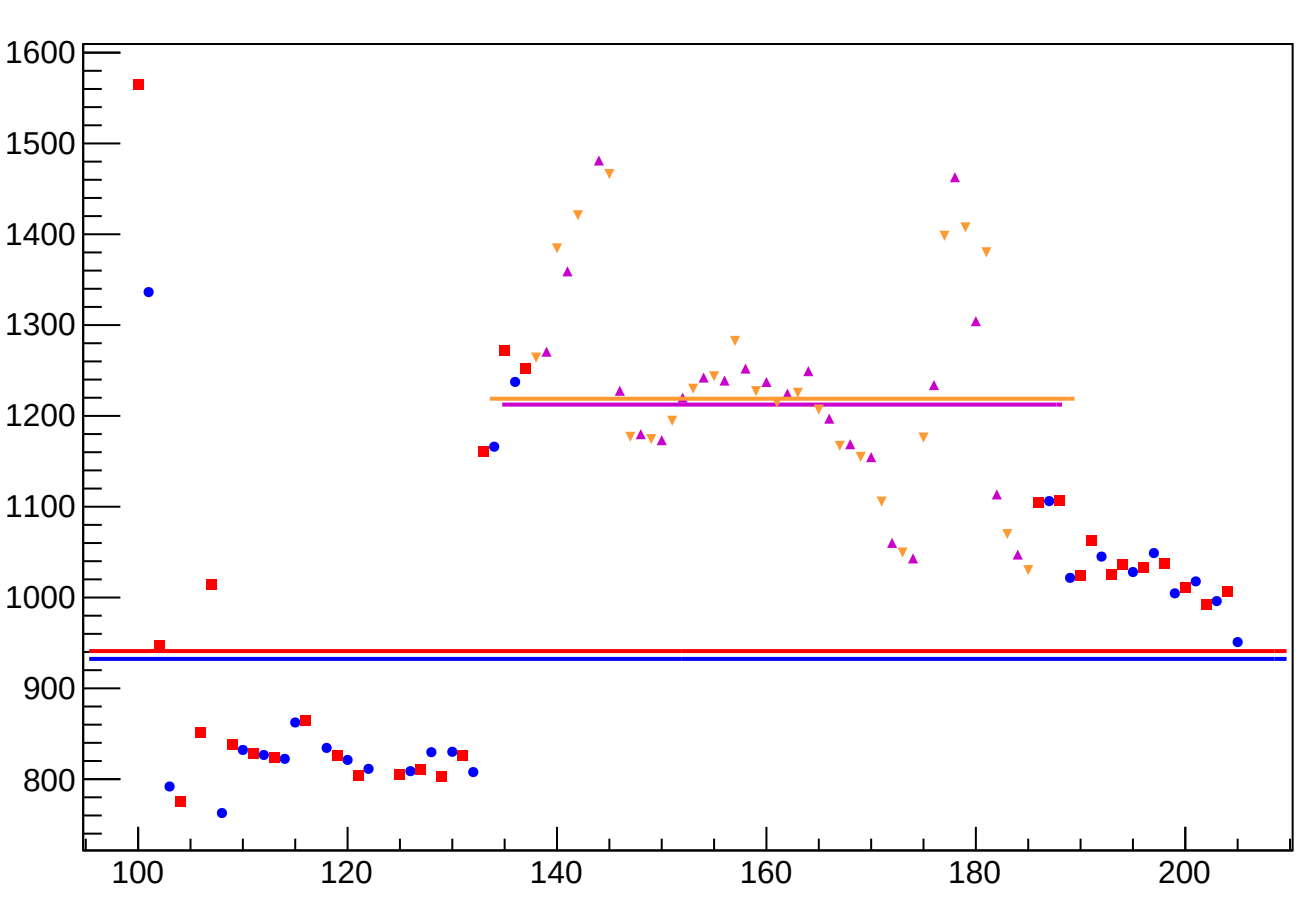
Left: 130.510+/-201.091 χ^2/NDF: 68.1/46

Right: -120.653+/-175.261 χ^2/NDF: 48.0/53

In: -176.795+/-188.313 χ^2/NDF:34.3/47

Out: 147.322+/-185.421 χ^2/NDF:81.1/52

All: -12.229+/-132.123 χ^2/NDF: 116.9/100



Right In: 932.417+/-0.178 χ^2/NDF: 586372.3/24

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 941.050+/-0.173 χ^2/NDF: 539485.9/28

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

Left: 1215.689+/-0.142 χ^2/NDF: 554735.4/46

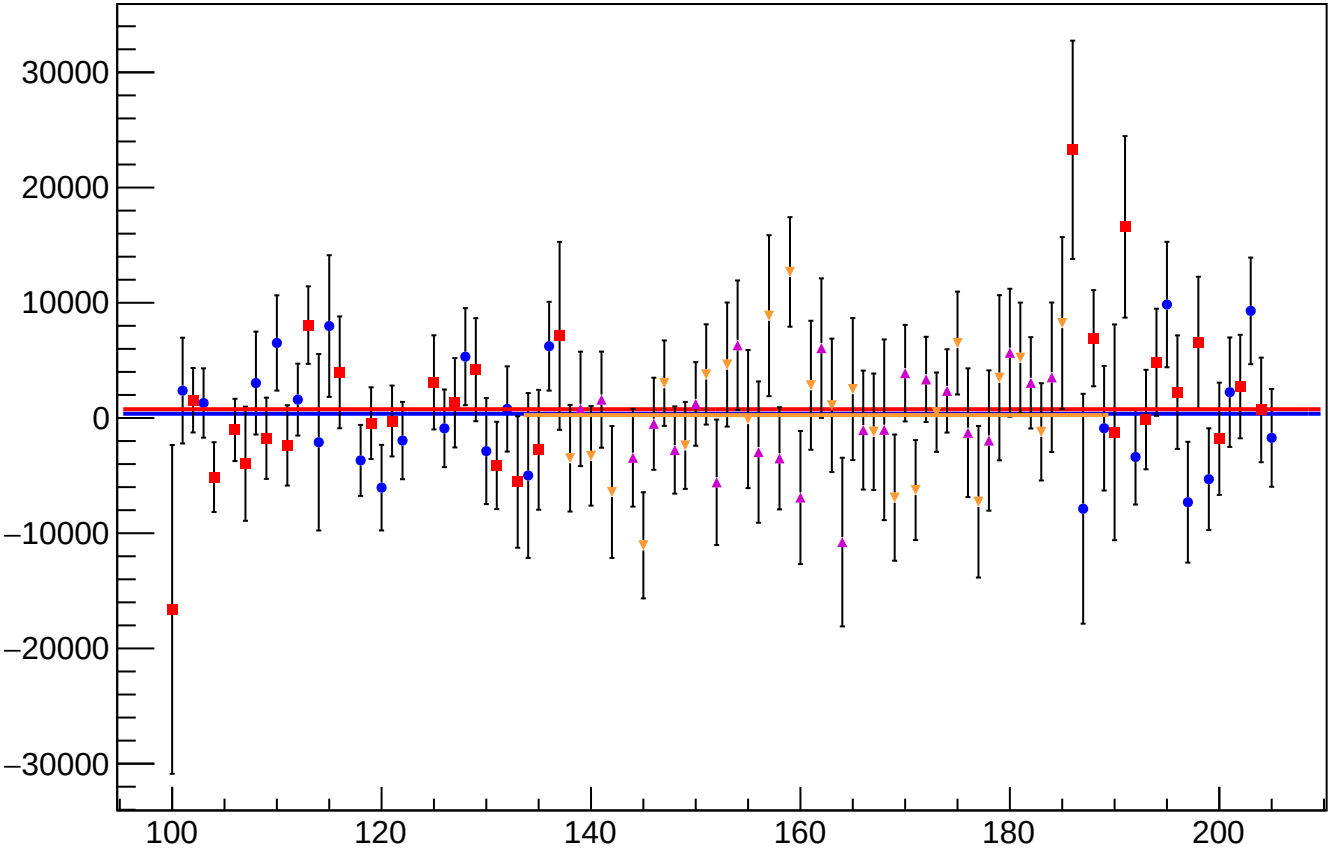
Right: 936.853+/-0.124 χ^2/NDF: 1127071.1/53

In: 1055.206+/-0.133 χ^2/NDF:1935629.8/47

Out: 1059.103+/-0.131 χ^2/NDF:1931647.6/52

All: 1057.185+/-0.093 χ^2/NDF: 3867712.4/10

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 369.522+/-844.631 χ^2/NDF: 27.2/24

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: 762.297+/-776.379 χ^2/NDF: 32.6/28

Left In: 266.236+/-990.085 χ^2/NDF:13.4/22

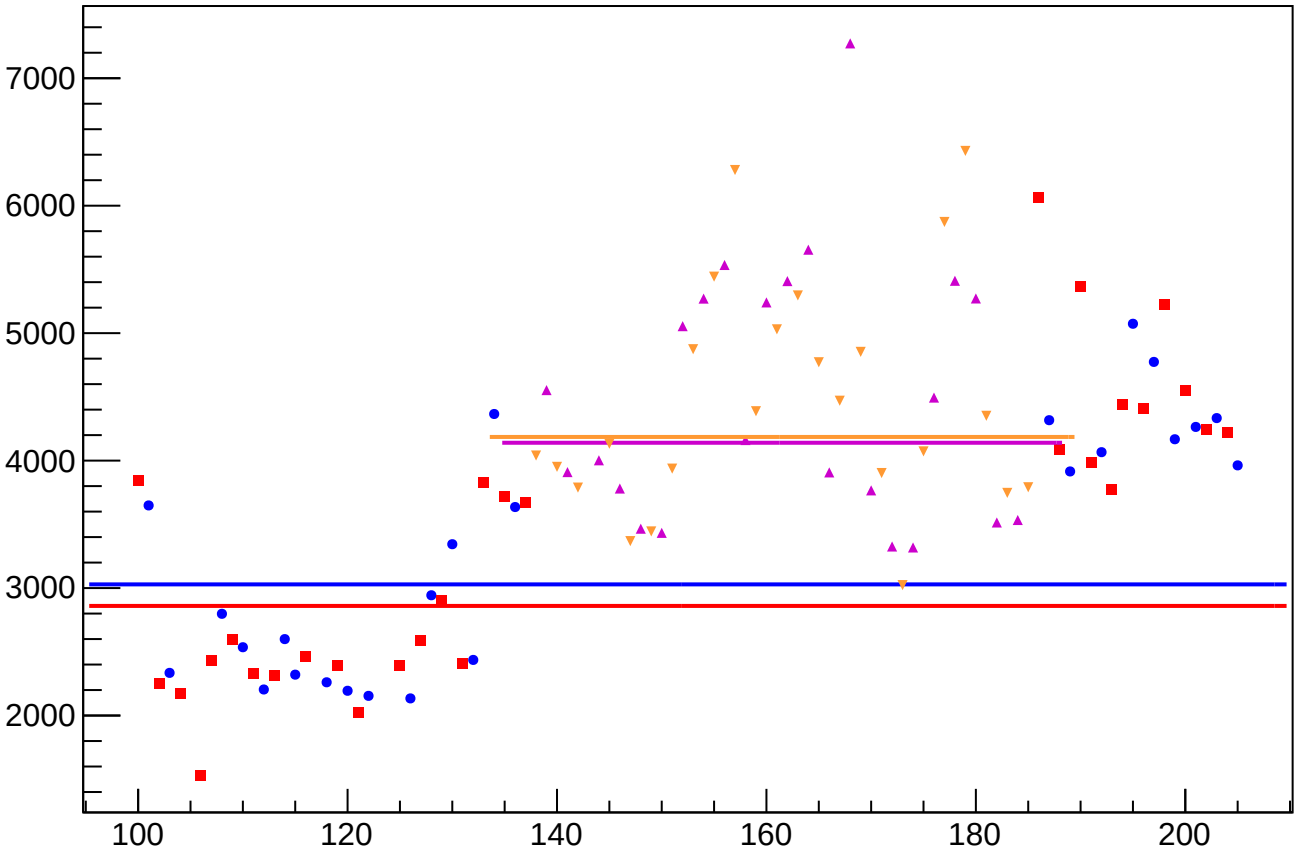
Left: 259.555+/-701.880 χ^2/NDF: 43.1/46

Right: 582.418+/-571.591 χ^2/NDF: 60.0/53

In: 326.016+/-642.577 χ^2/NDF:40.7/47

Out: 569.524+/-612.129 χ^2/NDF:62.5/52

All: 453.676+/-443.214 χ^2/NDF: 103.2/100



Right In: 3028.964+/-0.597 χ^2/NDF: 2273236.3/24

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2859.971+/-0.549 χ^2/NDF: 3278266.5/28

Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

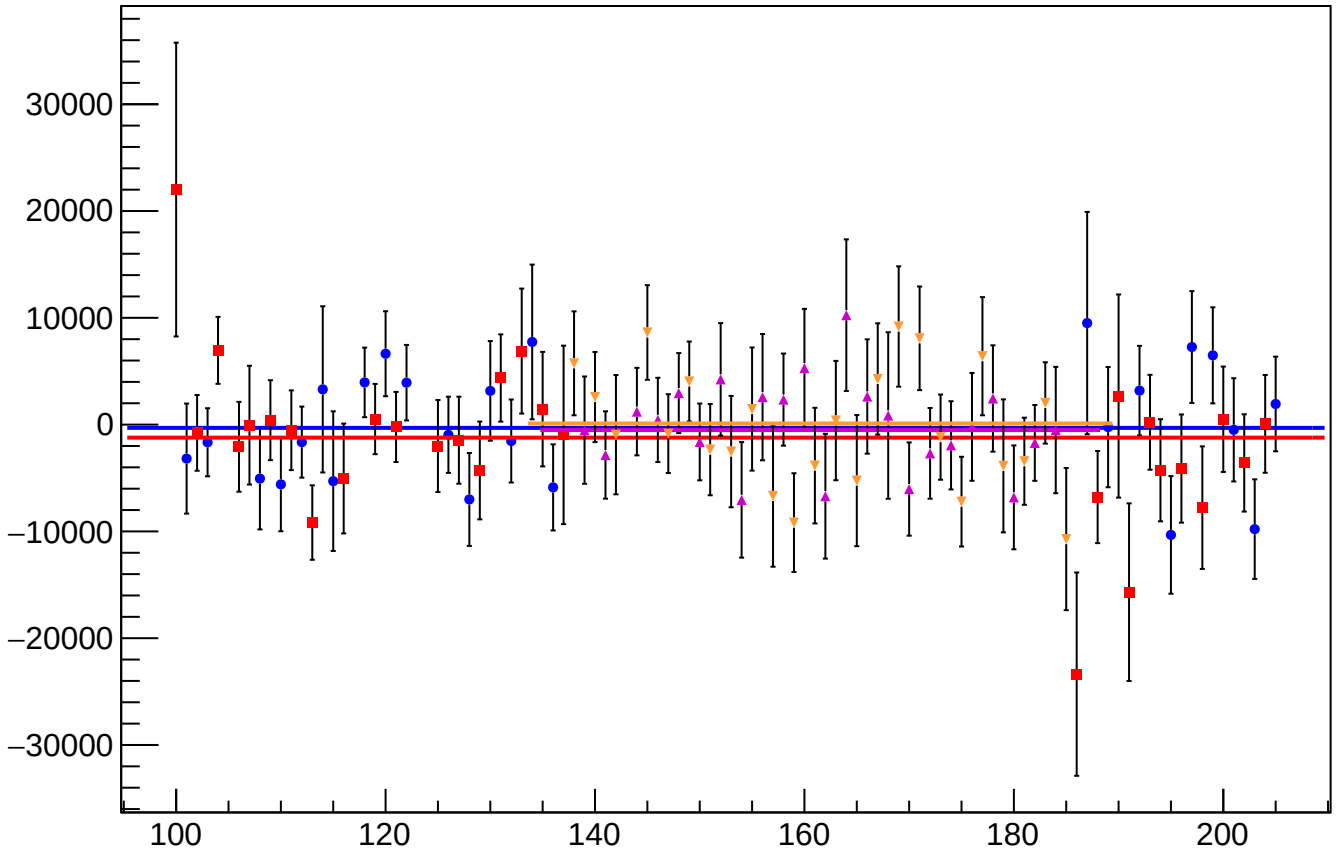
Left: 4162.745+/-0.496 χ^2/NDF: 2723283.4/46

Right: 2937.365+/-0.404 χ^2/NDF: 5594900.0/53

In: 3496.976+/-0.454 χ^2/NDF:5180979.5/47

Out: 3361.562+/-0.433 χ^2/NDF:6755869.9/52

All: 3425.985+/-0.313 χ^2/NDF: 11983412.8/1



Right In: -304.584+/-883.807 χ^2/NDF: 29.9/24

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: -1218.897+/-840.781 χ^2/NDF: 33.5/28

Left In: -509.024+/-974.173 χ^2/NDF:13.5/22

Left: -200.481+/-689.348 χ^2/NDF: 41.8/46

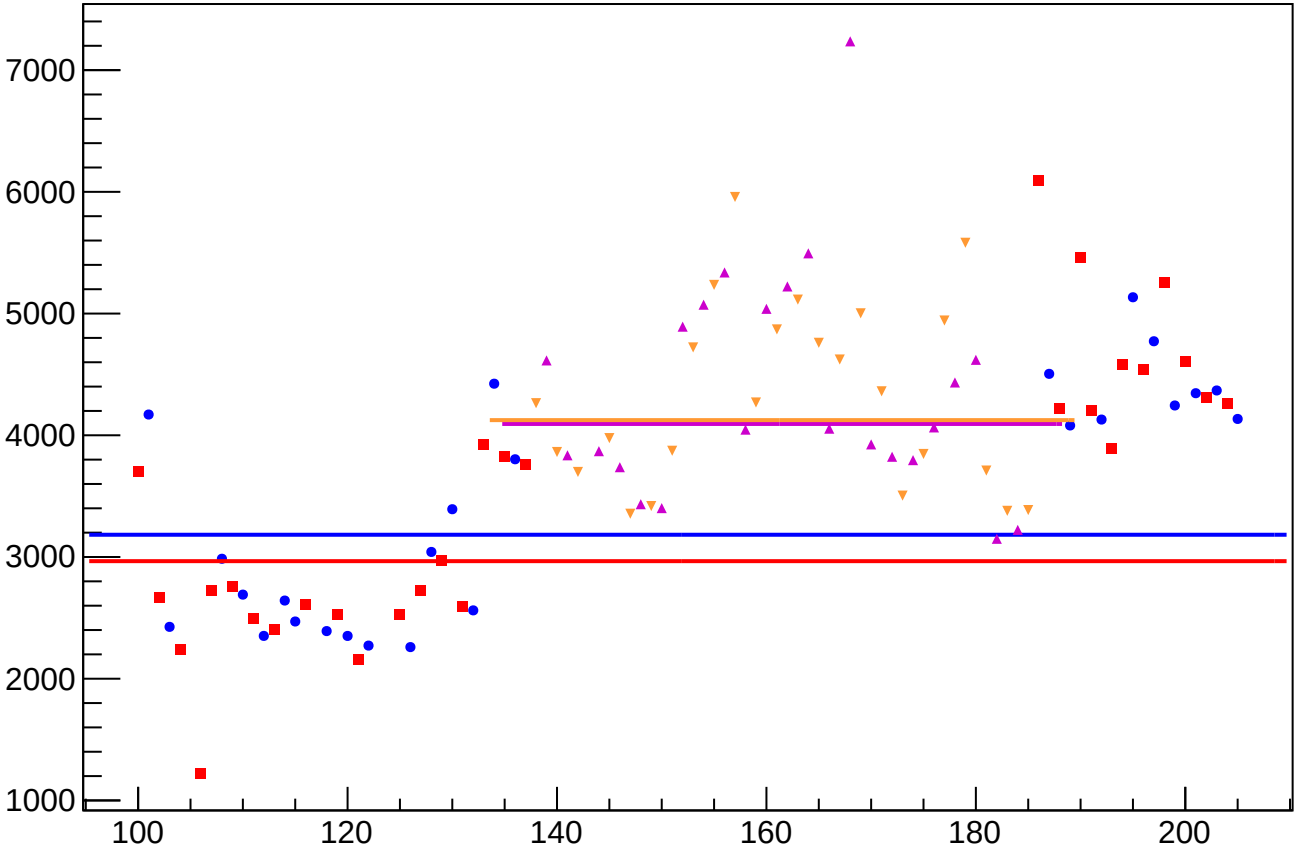
Right: -784.537+/-609.165 χ^2/NDF: 64.0/53

In: -396.884+/-654.567 χ^2/NDF:43.5/47

Out: -652.983+/-636.897 χ^2/NDF:62.6/52

All: -528.437+/-456.474 χ^2/NDF: 106.2/100

asym_usl_atl2_dd_rms vs Slug, Sign Corrected



Right In: 3182.820+/-0.625 χ^2/NDF: 2077440.6/24

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 2965.861+/-0.574 χ^2/NDF: 3457222.0/28

Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

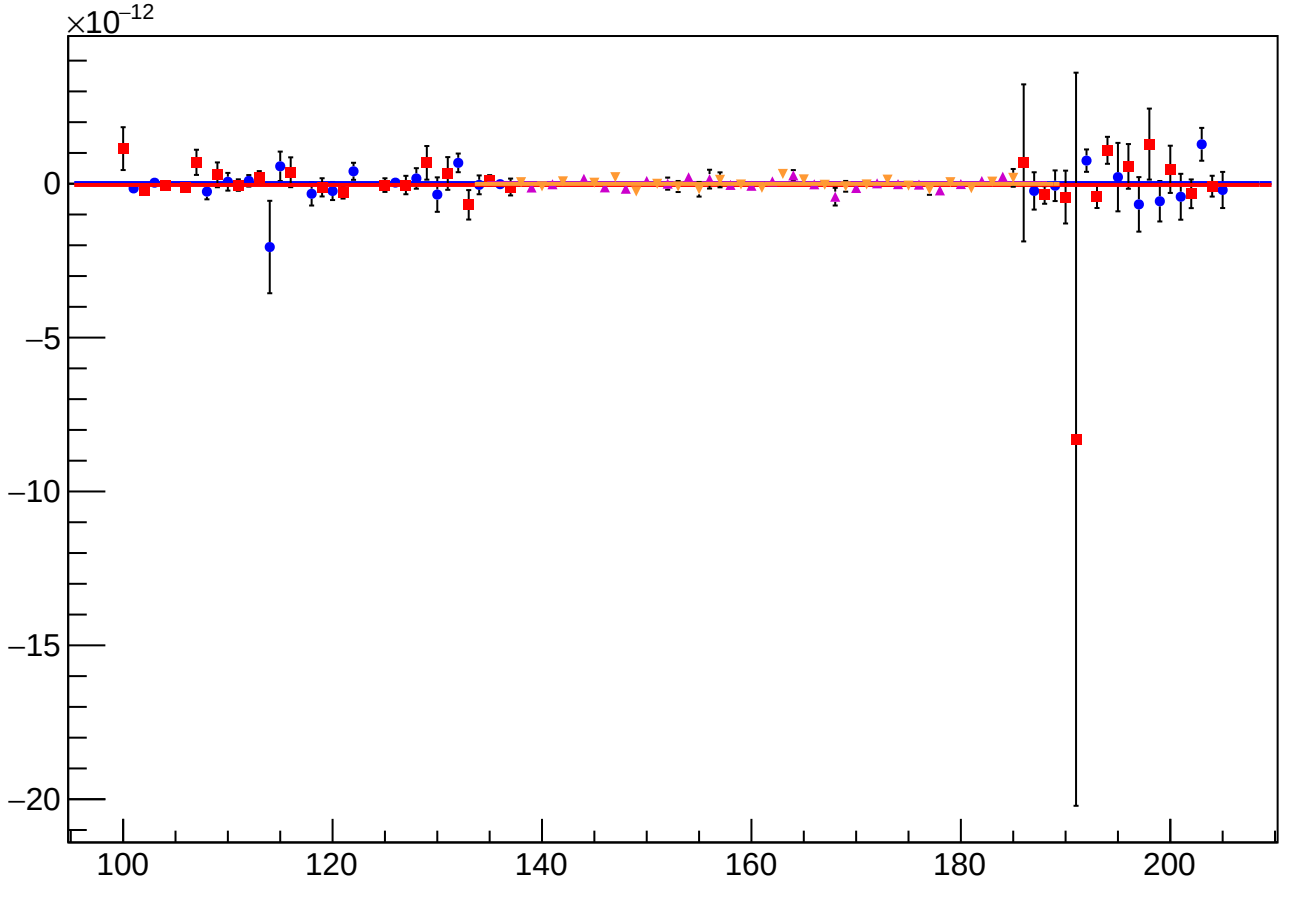
Left: 4108.753+/-0.487 χ^2/NDF: 2133819.7/46

Right: 3065.227+/-0.423 χ^2/NDF: 5599986.9/53

In: 3593.776+/-0.463 χ^2/NDF:4198082.8/47

Out: 3440.315+/-0.441 χ^2/NDF:6092840.6/52

All: 3513.416+/-0.319 χ^2/NDF: 10348488.1/1



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/28

Left In: 0.000+/-0.000 χ^2/NDF:25.7/22

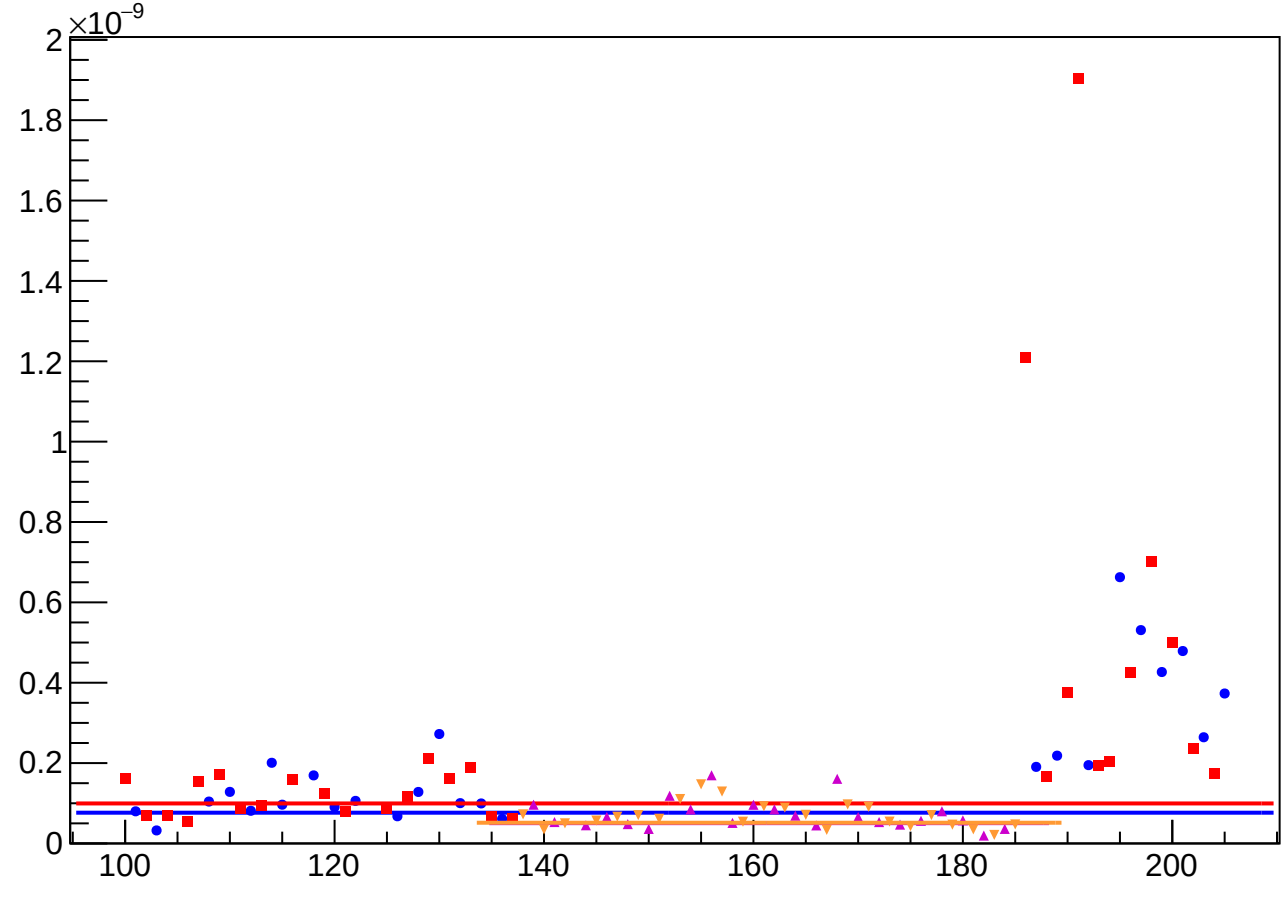
Left: 0.000+/-0.000 χ^2/NDF: 50.4/46

Right: -0.000+/-0.000 χ^2/NDF: 57.4/53

In: 0.000+/-0.000 χ^2/NDF:52.9/47

Out: -0.000+/-0.000 χ^2/NDF:54.0/52

All: 0.000+/-0.000 χ^2/NDF: 107.9/100



Right In: 0.000+/-0.000 χ^2/NDF: 4789939.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3612006.3/28

Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

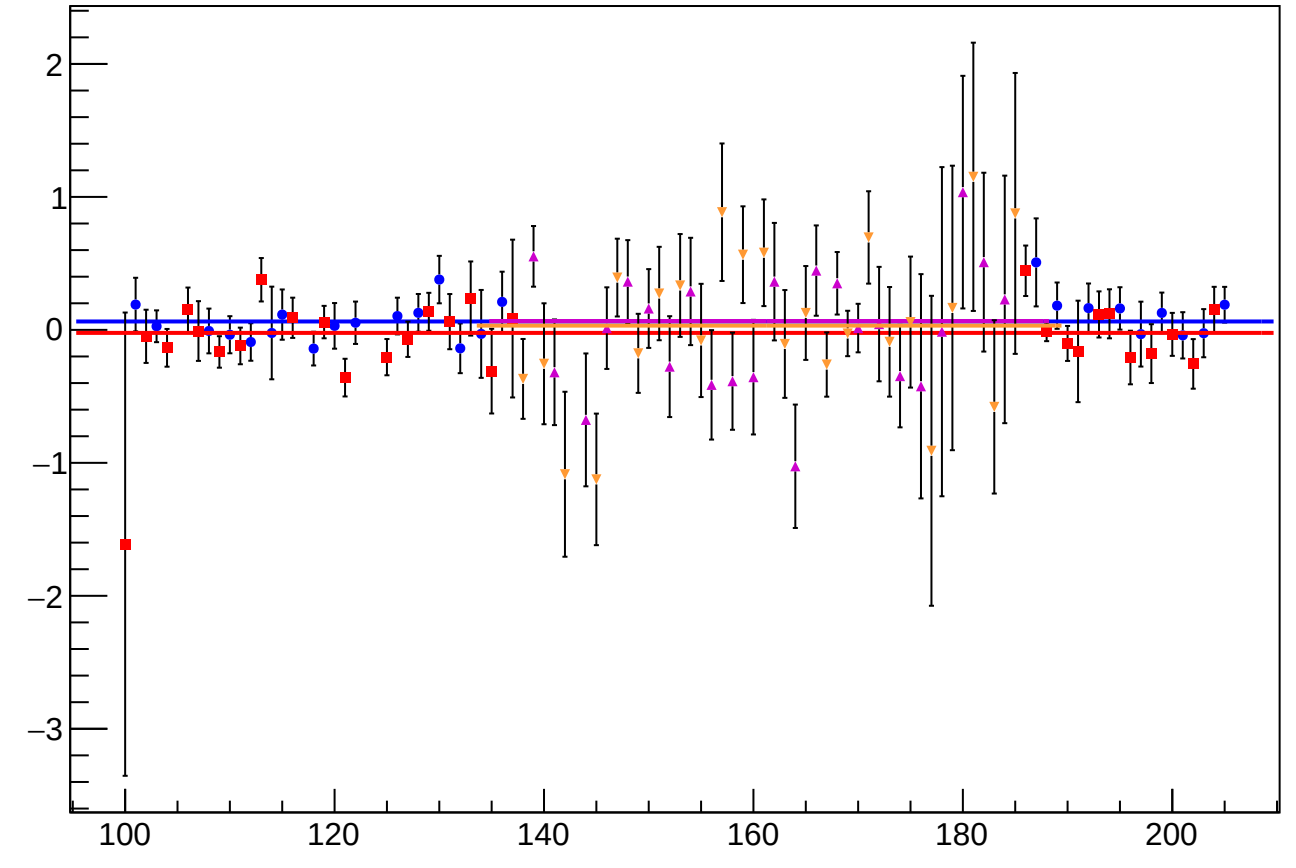
Left: 0.000+/-0.000 χ^2/NDF: 4705429.8/46

Right: 0.000+/-0.000 χ^2/NDF: 8644358.5/53

In: 0.000+/-0.000 χ^2/NDF:7804393.2/47

Out: 0.000+/-0.000 χ^2/NDF:7402796.7/52

All: 0.000+/-0.000 χ^2/NDF: 15237957.2/100



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

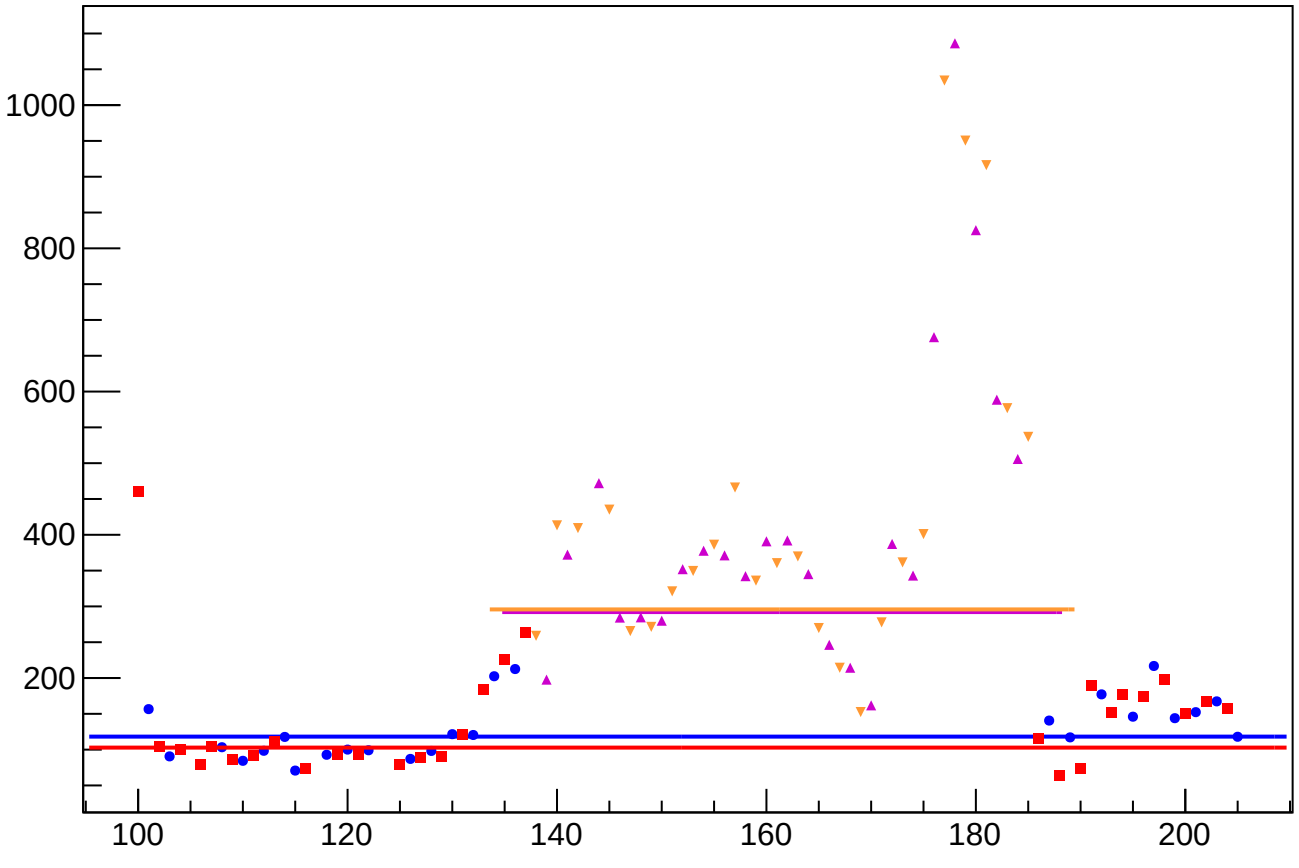
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.014+/-0.022 χ^2/NDF: 52.7/53

In: 0.064+/-0.031 χ^2/NDF:40.7/47

Out: -0.016+/-0.027 χ^2/NDF:64.1/52

All: 0.019+/-0.020 χ^2/NDF: 108.5/100



Right In: 118.180+/-0.024 χ^2/NDF: 2107367.1/24

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.835+/-0.021 χ^2/NDF: 3570332.9/28

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

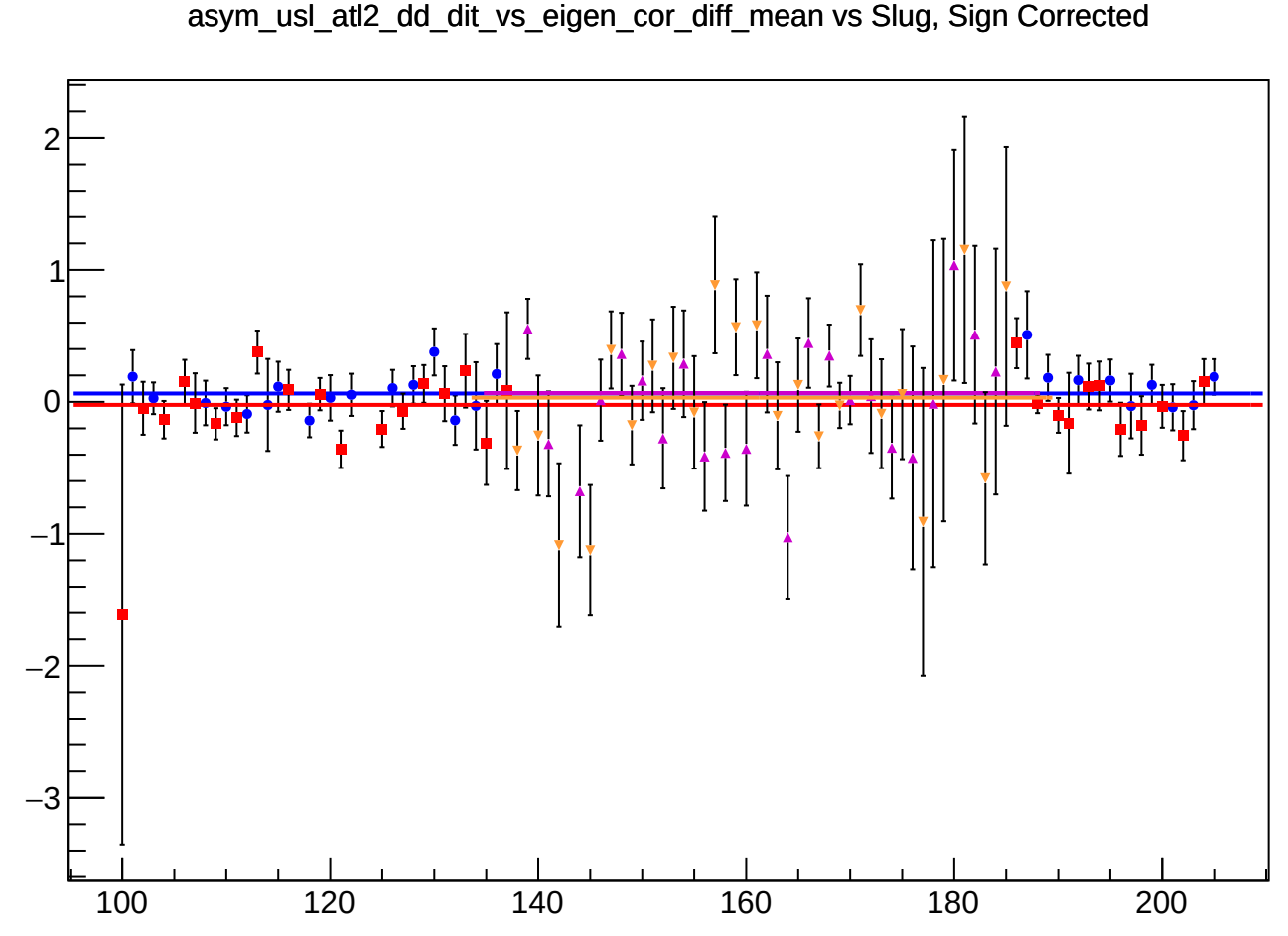
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 109.439+/-0.016 χ^2/NDF: 5914640.0/53

In: 147.503+/-0.022 χ^2/NDF:16171699.6/47

Out: 127.724+/-0.019 χ^2/NDF:20299863.9/52

All: 136.463+/-0.014 χ^2/NDF: 36935514.2/10



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

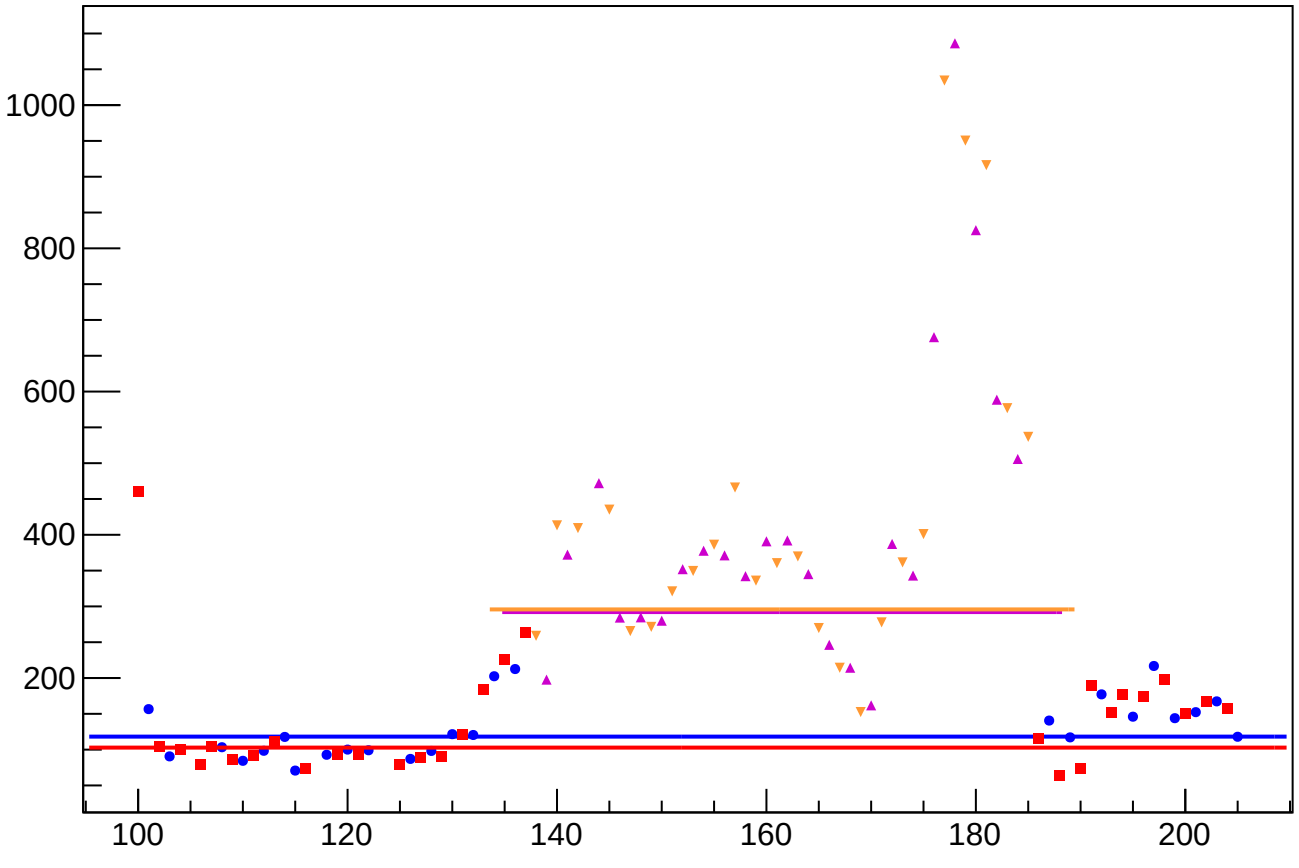
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.014+/-0.022 χ^2/NDF: 52.7/53

In: 0.064+/-0.031 χ^2/NDF:40.7/47

Out: -0.016+/-0.027 χ^2/NDF:64.1/52

All: 0.019+/-0.020 χ^2/NDF: 108.5/100



Right In: 118.180+/-0.024 χ^2/NDF: 2107367.1/24

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 102.835+/-0.021 χ^2/NDF: 3570332.9/28

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

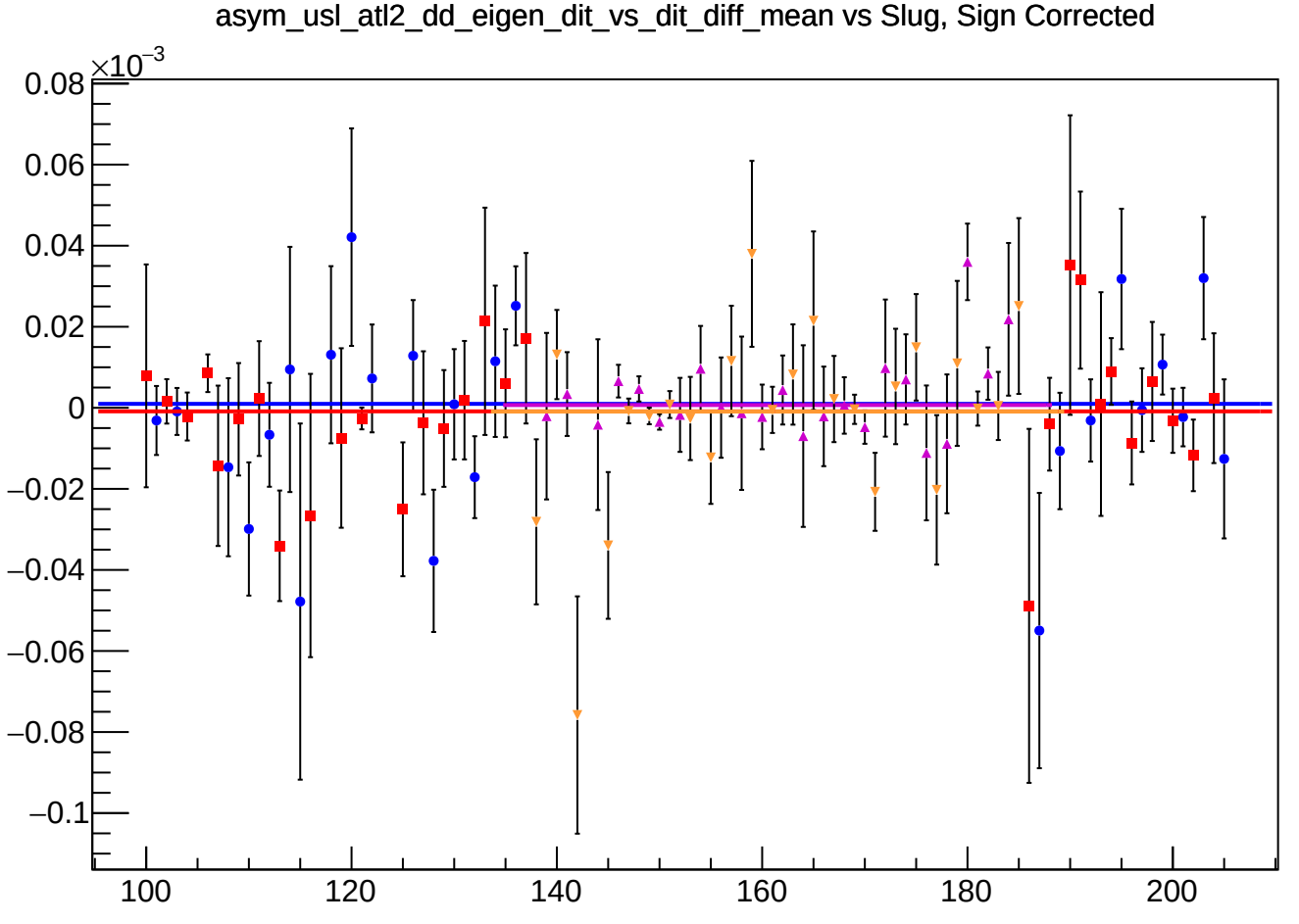
Left: 293.917+/-0.038 χ^2/NDF: 10559224.0/46

Right: 109.439+/-0.016 χ^2/NDF: 5914640.0/53

In: 147.503+/-0.022 χ^2/NDF:16171699.6/47

Out: 127.724+/-0.019 χ^2/NDF:20299863.9/52

All: 136.463+/-0.014 χ^2/NDF: 36935514.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/28

Left In: 0.000+/-0.000 χ^2/NDF:29.8/22

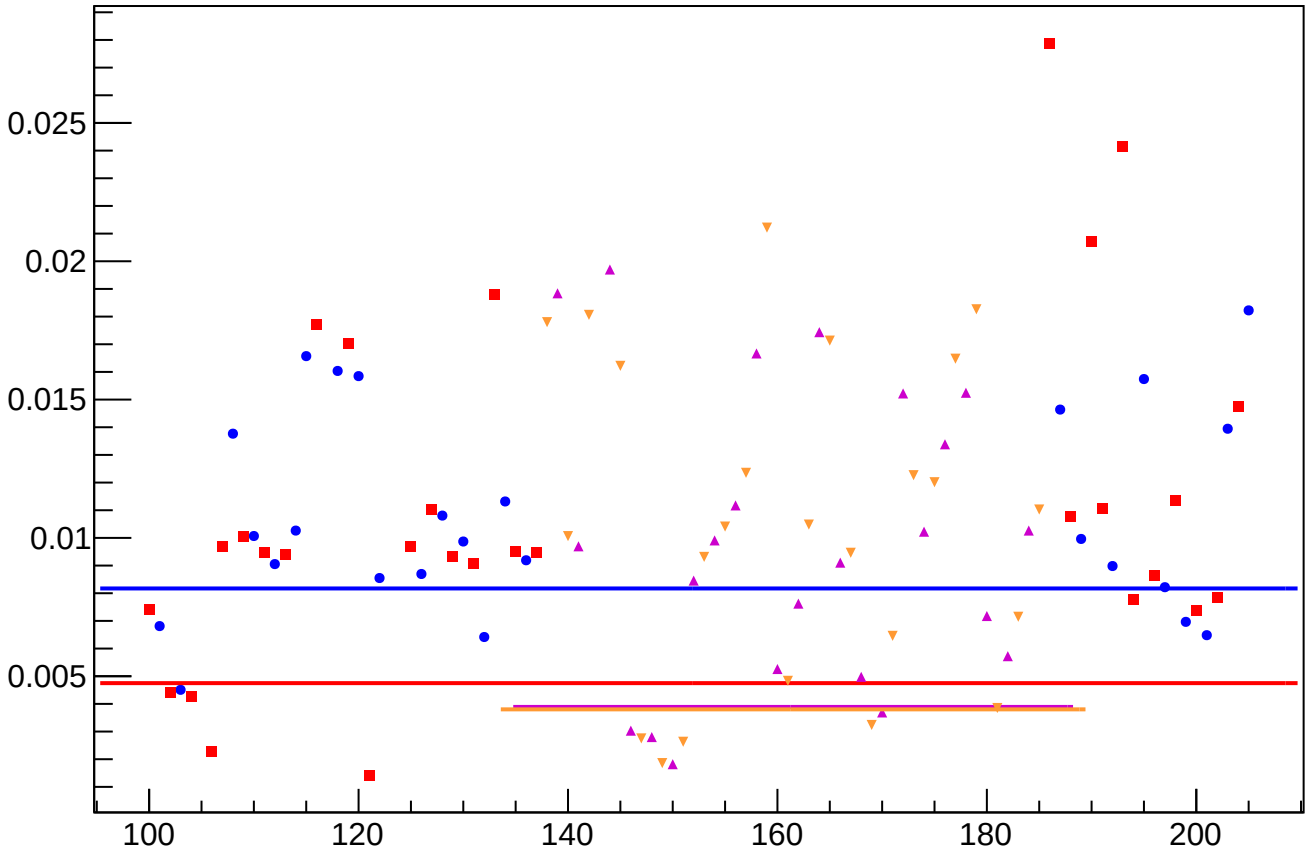
Left: -0.000+/-0.000 χ^2/NDF: 59.8/46

Right: -0.000+/-0.000 χ^2/NDF: 62.2/53

In: 0.000+/-0.000 χ^2/NDF:67.4/47

Out: -0.000+/-0.000 χ^2/NDF:53.3/52

All: -0.000+/-0.000 χ^2/NDF: 122.0/100



Right In: 0.008+/-0.000 χ^2/NDF: 3219782.6/24

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 12001807.5/28

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

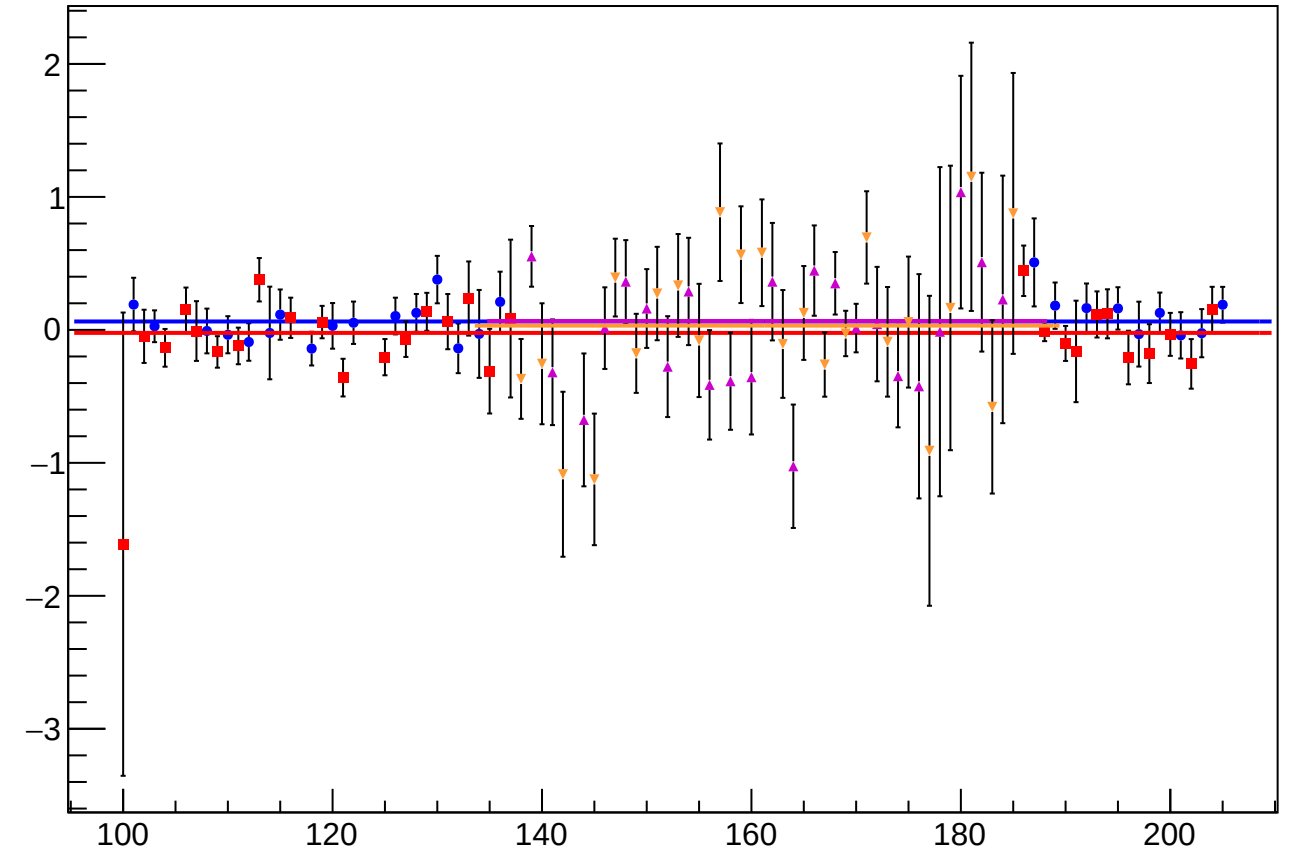
Left: 0.004+/-0.000 χ^2/NDF: 28153751.6/46

Right: 0.006+/-0.000 χ^2/NDF: 18011174.4/53

In: 0.005+/-0.000 χ^2/NDF:21828451.4/47

Out: 0.004+/-0.000 χ^2/NDF:27061742.5/52

All: 0.004+/-0.000 χ^2/NDF: 49309089.9/100



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

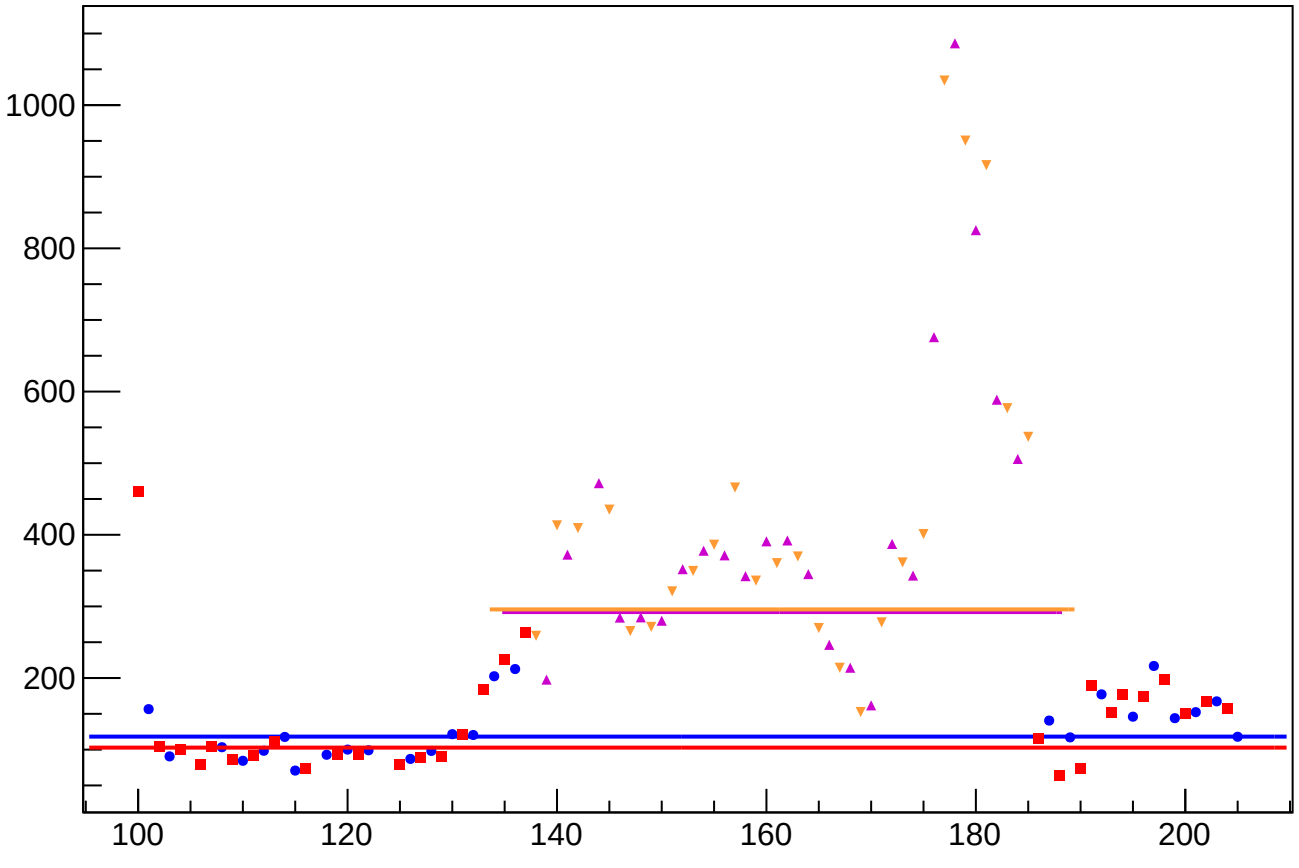
Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

Right: 0.014+/-0.022 χ^2/NDF: 52.7/53

In: 0.064+/-0.031 χ^2/NDF:40.7/47

Out: -0.016+/-0.027 χ^2/NDF:64.1/52

All: 0.019+/-0.020 χ^2/NDF: 108.5/100



Right In: 118.181+/-0.024 χ^2/NDF: 2107333.9/24

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.834+/-0.021 χ^2/NDF: 3570514.3/28

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

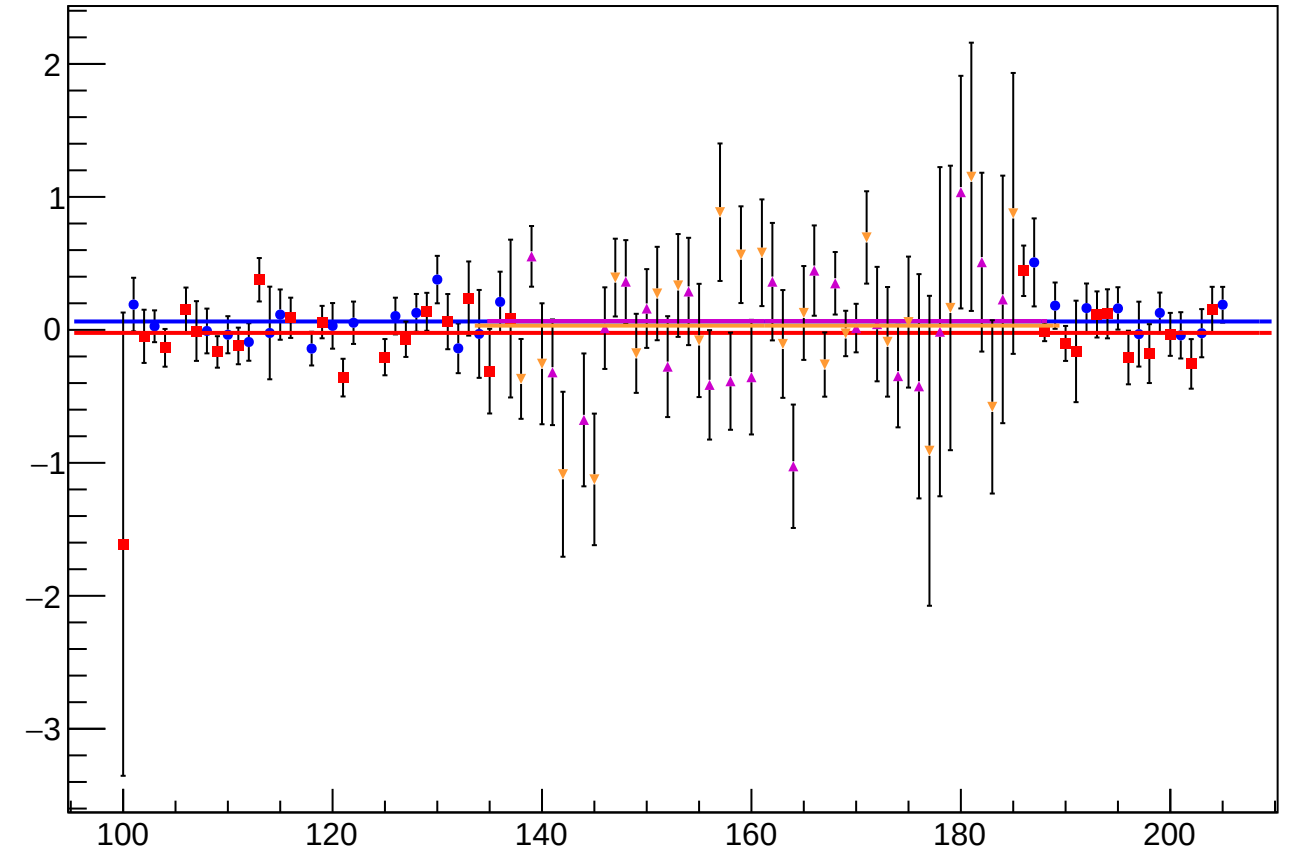
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 109.439+/-0.016 χ^2/NDF: 5914841.5/53

In: 147.504+/-0.022 χ^2/NDF:16171774.2/47

Out: 127.723+/-0.019 χ^2/NDF:20300372.7/52

All: 136.462+/-0.014 χ^2/NDF: 36936194.4/10



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: -0.023+/-0.029 χ^2/NDF: 34.0/28

Left In: 0.067+/-0.075 χ^2/NDF:25.7/22

Left: 0.050+/-0.053 χ^2/NDF: 55.5/46

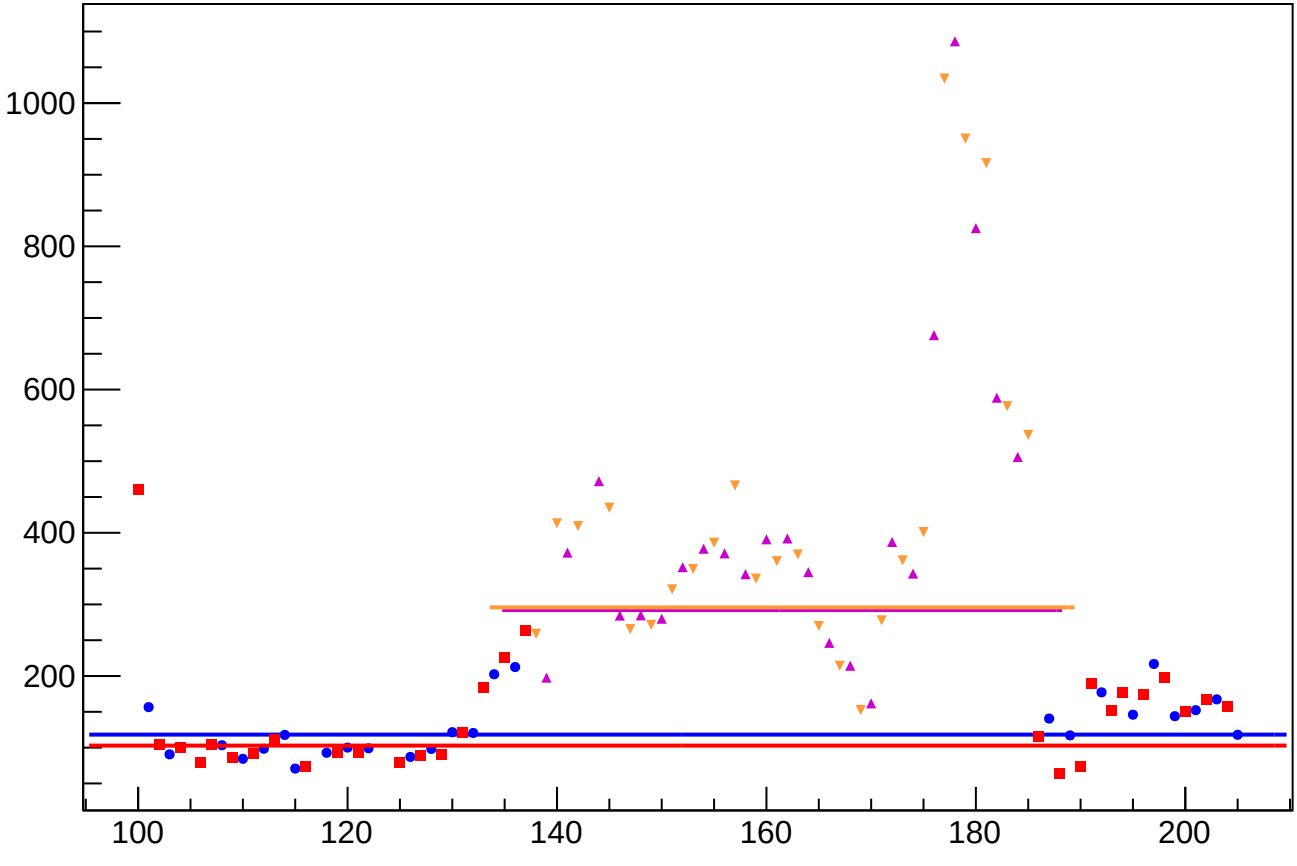
Right: 0.014+/-0.022 χ^2/NDF: 52.7/53

In: 0.064+/-0.031 χ^2/NDF:40.7/47

Out: -0.016+/-0.027 χ^2/NDF:64.1/52

All: 0.019+/-0.020 χ^2/NDF: 108.5/100

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.181+/-0.024 χ^2/NDF: 2107333.9/24

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

Right Out: 102.834+/-0.021 χ^2/NDF: 3570514.3/28

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

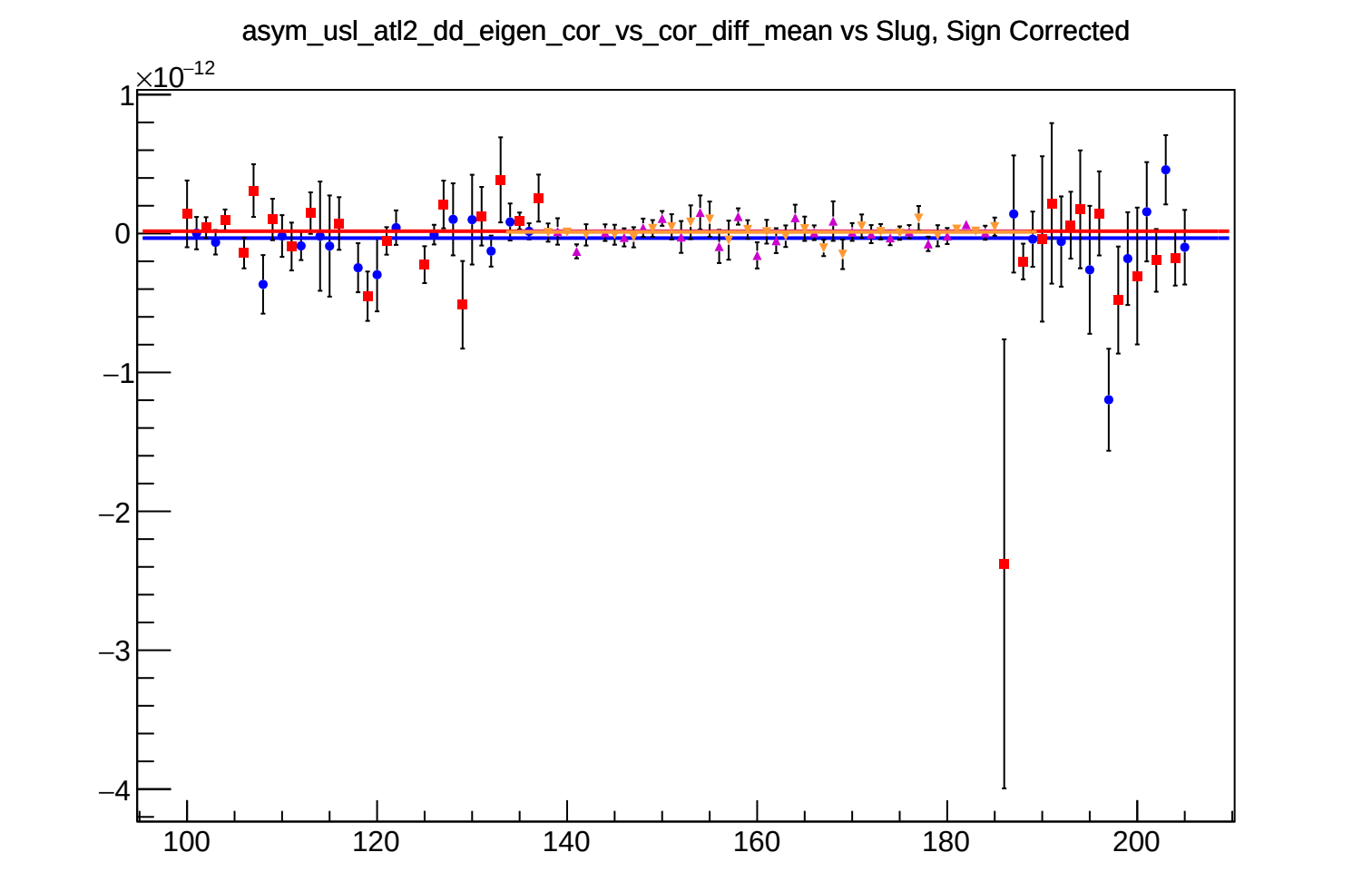
Left: 293.920+/-0.038 χ^2/NDF: 10559241.5/46

Right: 109.439+/-0.016 χ^2/NDF: 5914841.5/53

In: 147.504+/-0.022 χ^2/NDF:16171774.2/47

Out: 127.723+/-0.019 χ^2/NDF:20300372.7/52

All: 136.462+/-0.014 χ^2/NDF: 36936194.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 23.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 37.0/28

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

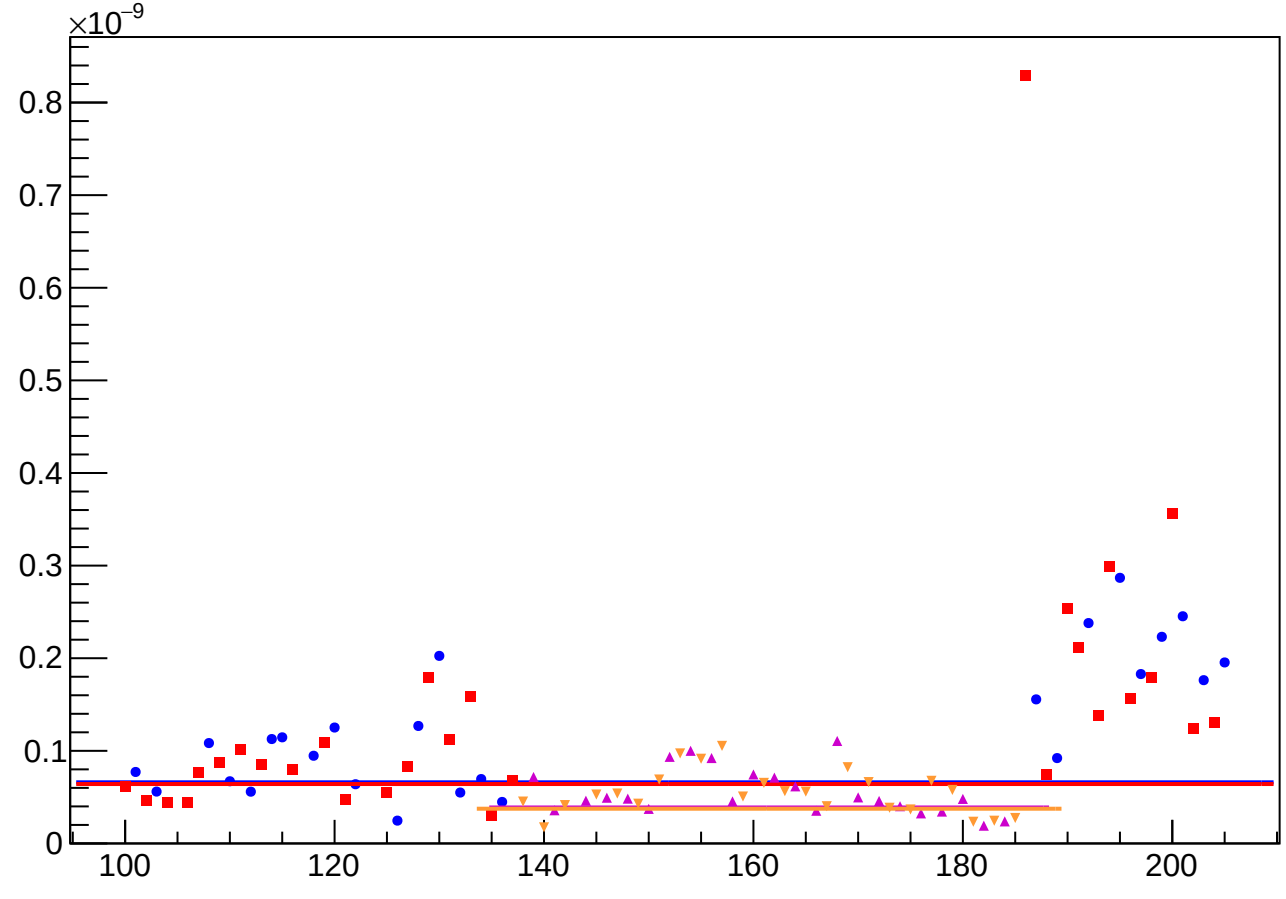
Left: 0.000+/-0.000 χ^2/NDF: 41.5/46

Right: -0.000+/-0.000 χ^2/NDF: 62.1/53

In: 0.000+/-0.000 χ^2/NDF:56.8/47

Out: 0.000+/-0.000 χ^2/NDF:47.7/52

All: 0.000+/-0.000 χ^2/NDF: 104.5/100



Right In: 0.000+/-0.000 χ^2/NDF: 4946372.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4973471.5/28

Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

Left: 0.000+/-0.000 χ^2/NDF: 9574010.5/46

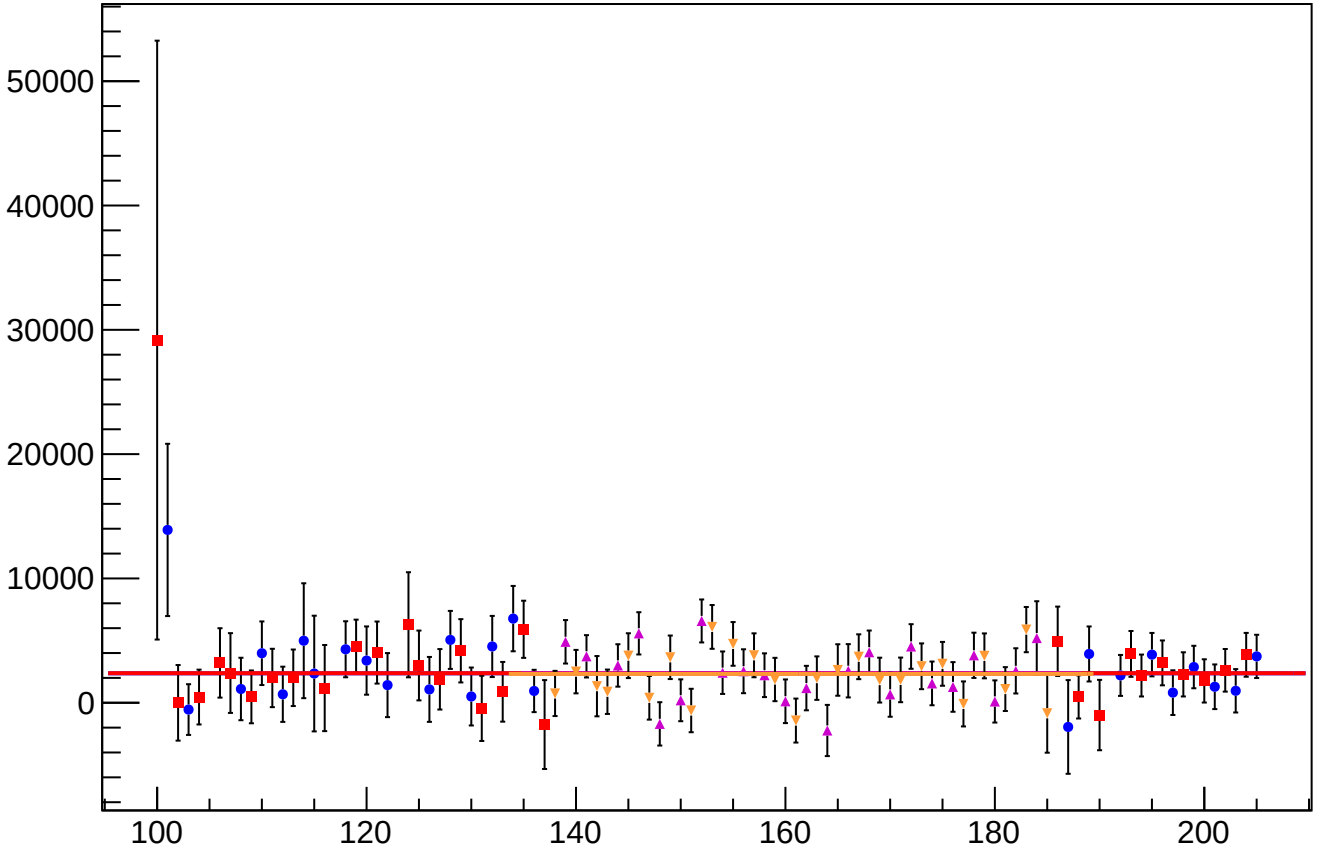
Right: 0.000+/-0.000 χ^2/NDF: 9924289.9/53

In: 0.000+/-0.000 χ^2/NDF:11077543.7/47

Out: 0.000+/-0.000 χ^2/NDF:11581874.5/52

All: 0.000+/-0.000 χ^2/NDF: 22670811.3/100

reg_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2367.141+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: 2376.988+/-424.772 χ^2/NDF: 17.1/28

Left In: 2370.629+/-376.798 χ^2/NDF:33.7/22

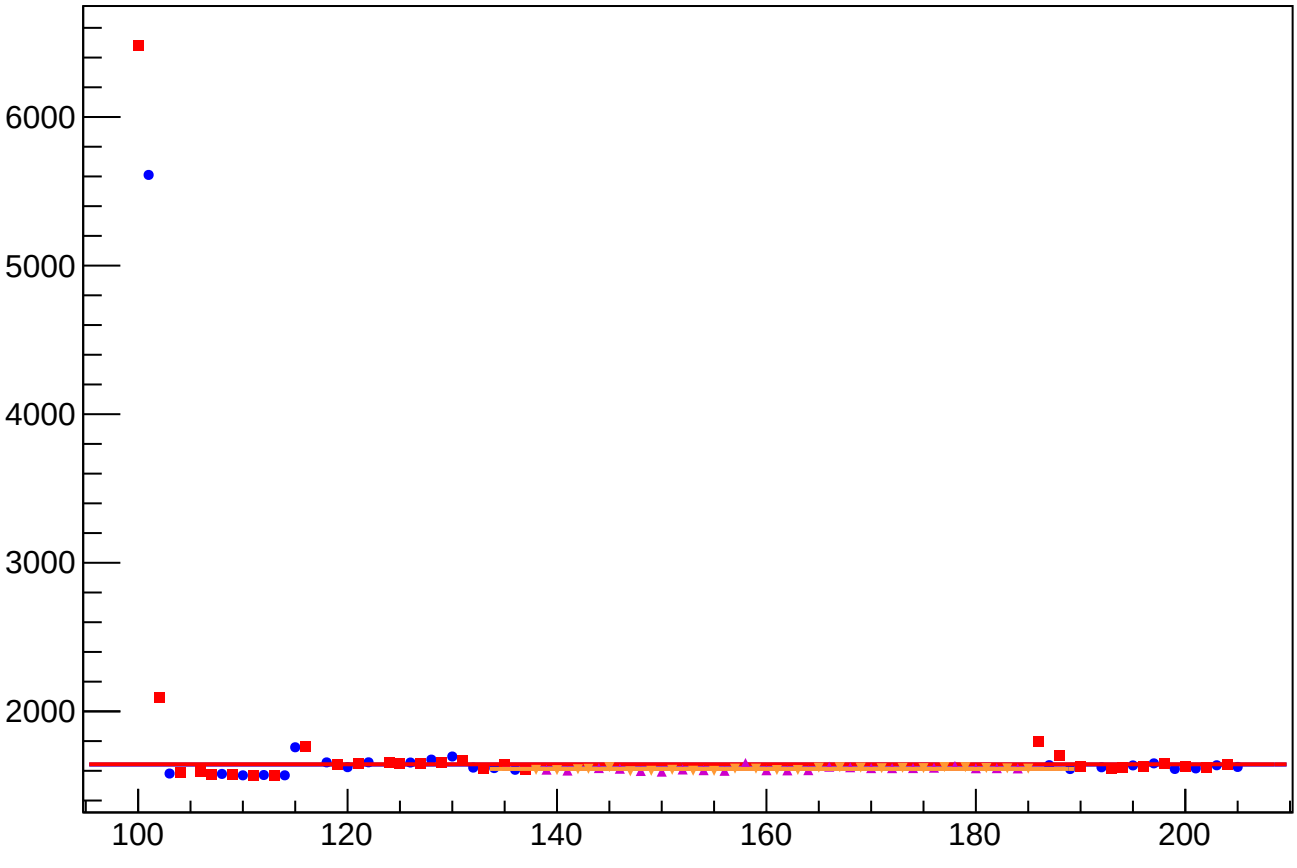
Left: 2345.148+/-262.646 χ^2/NDF: 61.2/47

Right: 2372.265+/-306.399 χ^2/NDF: 36.0/53

In: 2369.163+/-286.852 χ^2/NDF:52.6/47

Out: 2344.917+/-277.402 χ^2/NDF:44.6/53

All: 2356.634+/-199.410 χ^2/NDF: 97.2/101



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.6/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.087+/-0.300 χ^2/NDF: 146454.4/28

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

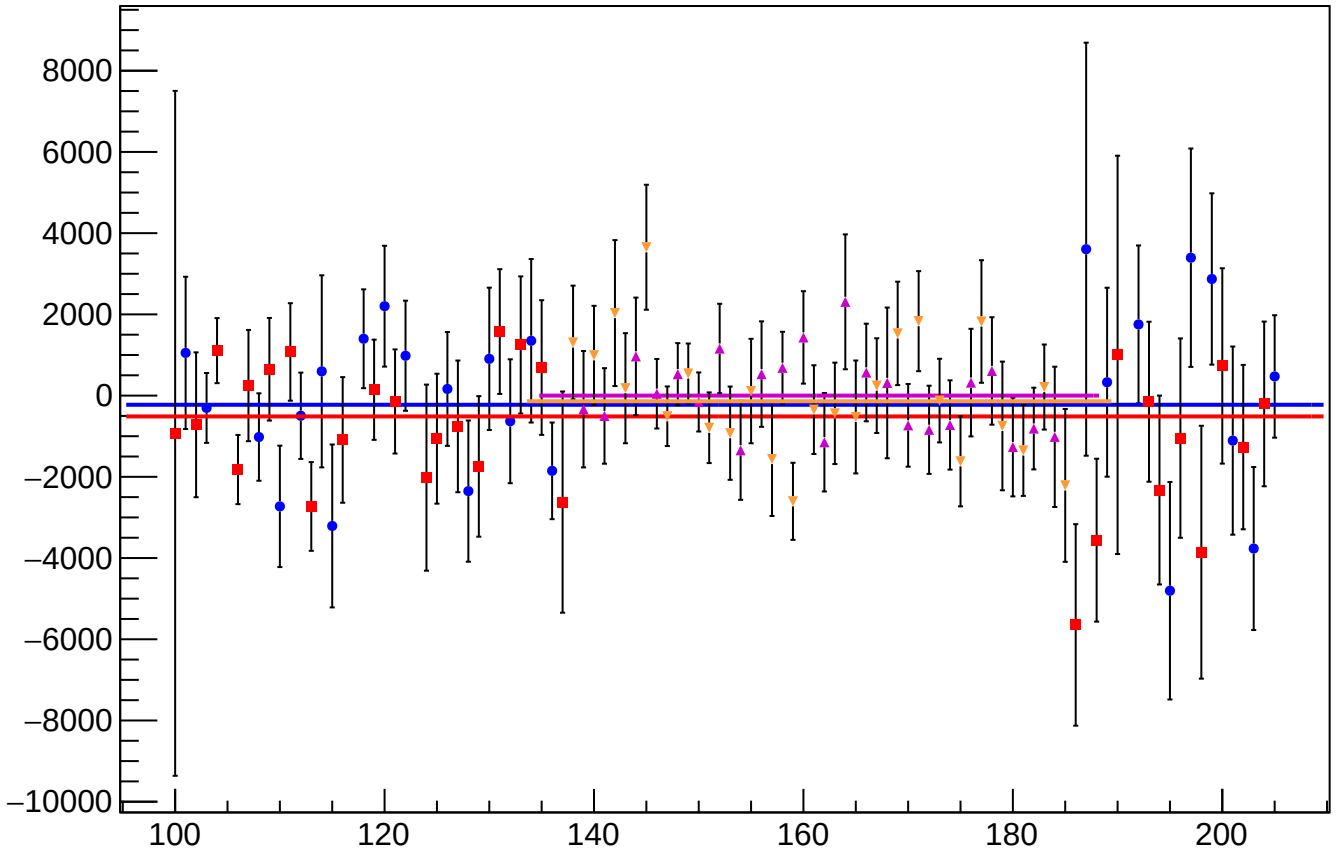
Left: 1613.183+/-0.186 χ^2/NDF: 3537.3/47

Right: 1643.045+/-0.217 χ^2/NDF: 815664.1/53

In: 1625.616+/-0.203 χ^2/NDF:676222.7/47

Out: 1626.033+/-0.196 χ^2/NDF:153926.6/53

All: 1625.832+/-0.141 χ^2/NDF: 830151.5/101



Right In: -226.075+/-310.931 χ^2/NDF: 28.0/24

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: -513.150+/-288.274 χ^2/NDF: 28.1/28

Left In: -0.092+/-231.903 χ^2/NDF:12.9/22

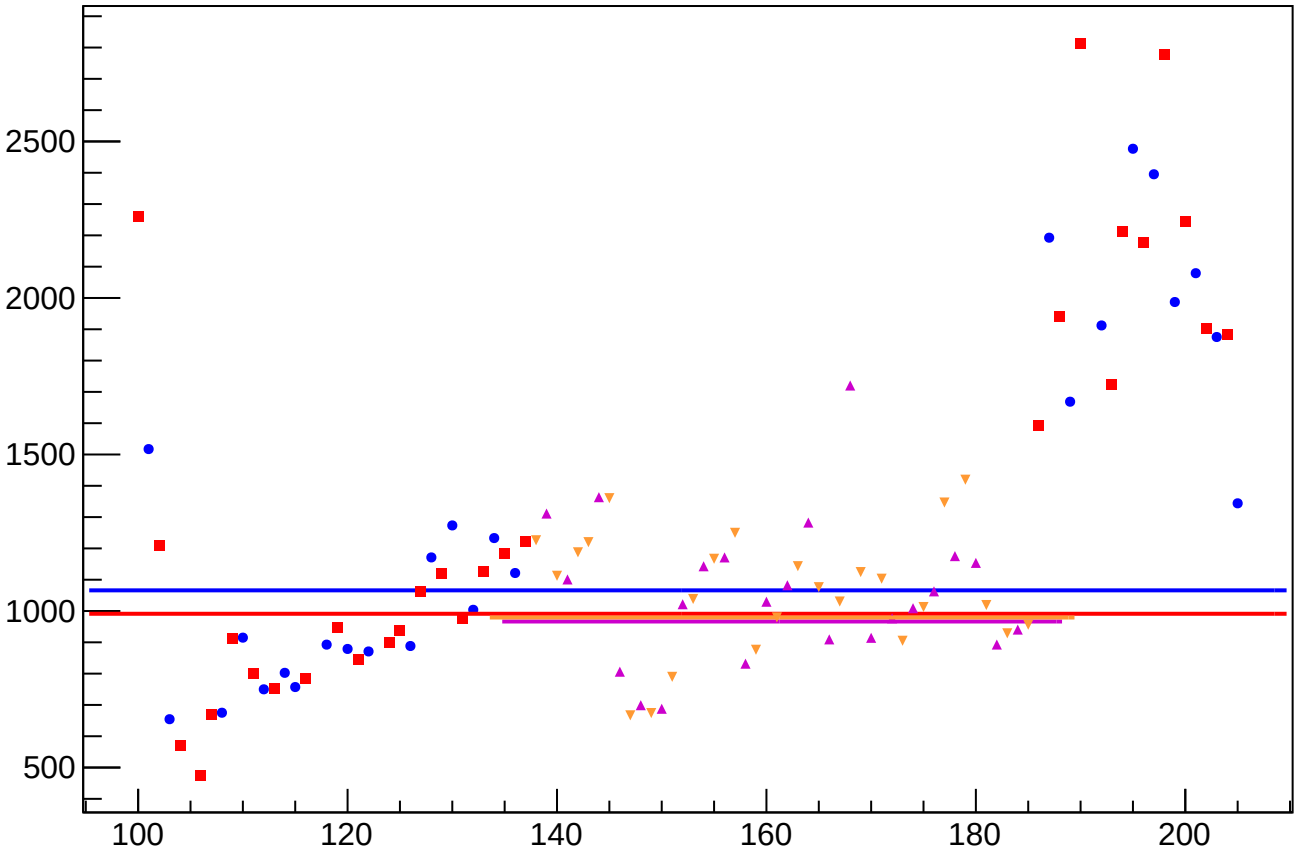
Left: -70.394+/-162.990 χ^2/NDF: 43.2/47

Right: -380.452+/-211.397 χ^2/NDF: 56.6/53

In: -80.867+/-185.894 χ^2/NDF:41.2/47

Out: -283.868+/-179.370 χ^2/NDF:59.3/53

All: -185.992+/-129.078 χ^2/NDF: 101.1/101



Right In: 1066.025+/-0.220 χ^2/NDF: 4122022.1/24

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 991.202+/-0.204 χ^2/NDF: 5896531.8/28

Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

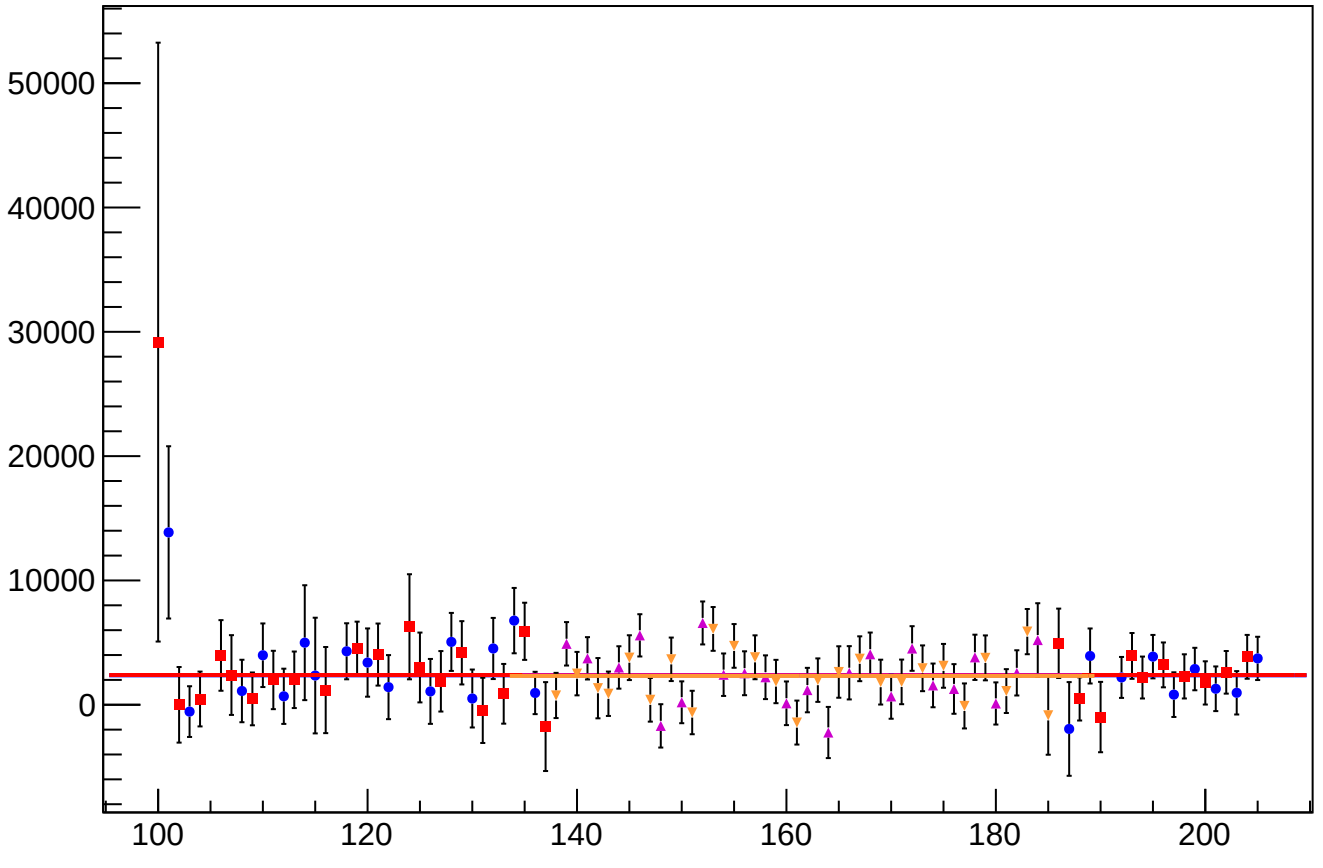
Left: 972.987+/-0.115 χ^2/NDF: 3236287.4/47

Right: 1025.788+/-0.149 χ^2/NDF: 10080835.1/53

In: 1002.090+/-0.131 χ^2/NDF:5856216.7/47

Out: 983.904+/-0.127 χ^2/NDF:7529246.2/53

All: 992.673+/-0.091 χ^2/NDF: 13395375.4/10



Right In: 2366.892+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2393.516+/-424.941 χ^2/NDF: 17.3/28

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

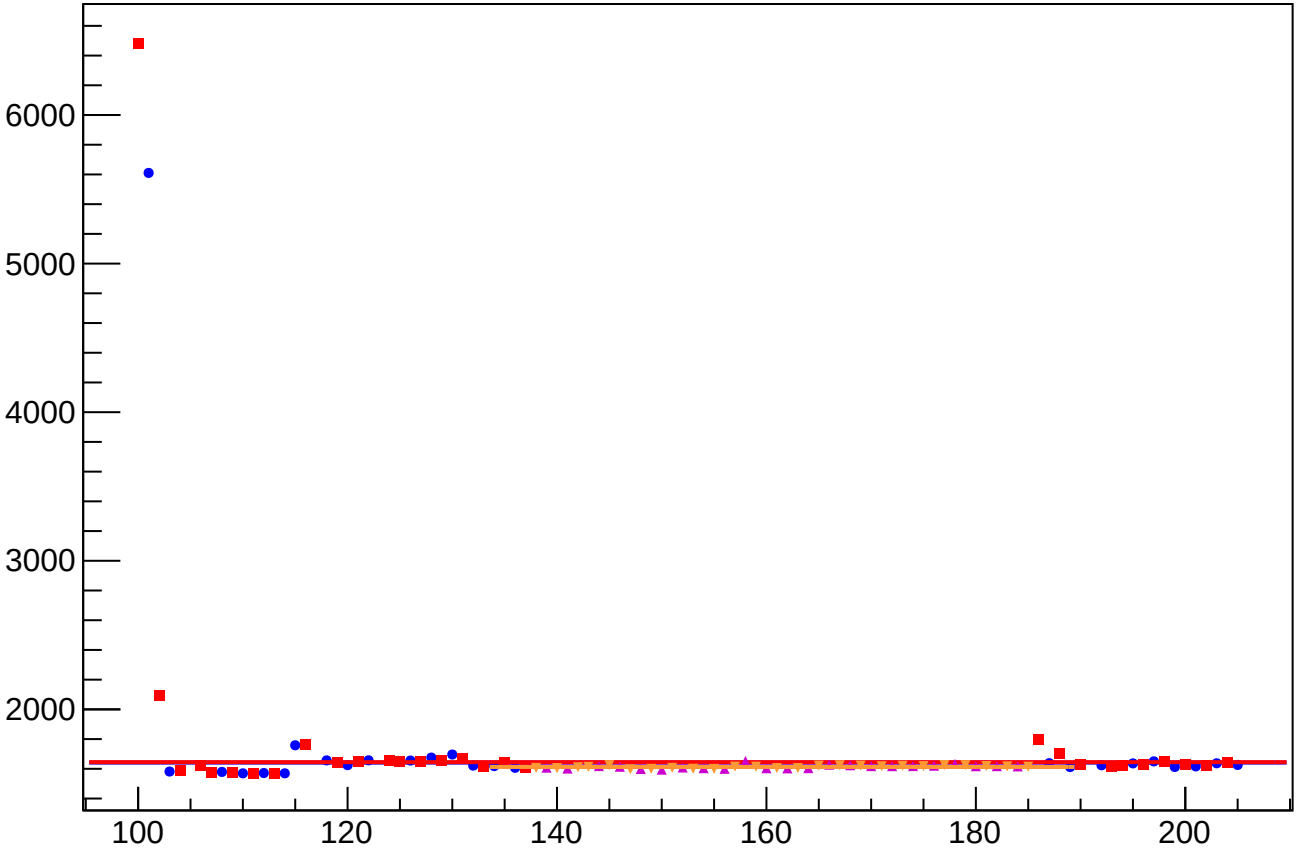
Right: 2380.740+/-306.462 χ^2/NDF: 36.2/53

In: 2369.099+/-286.852 χ^2/NDF:52.6/47

Out: 2351.927+/-277.449 χ^2/NDF:44.8/53

All: 2360.227+/-199.427 χ^2/NDF: 97.4/101

cor_asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.1/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.720+/-0.300 χ^2/NDF: 145935.1/28

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

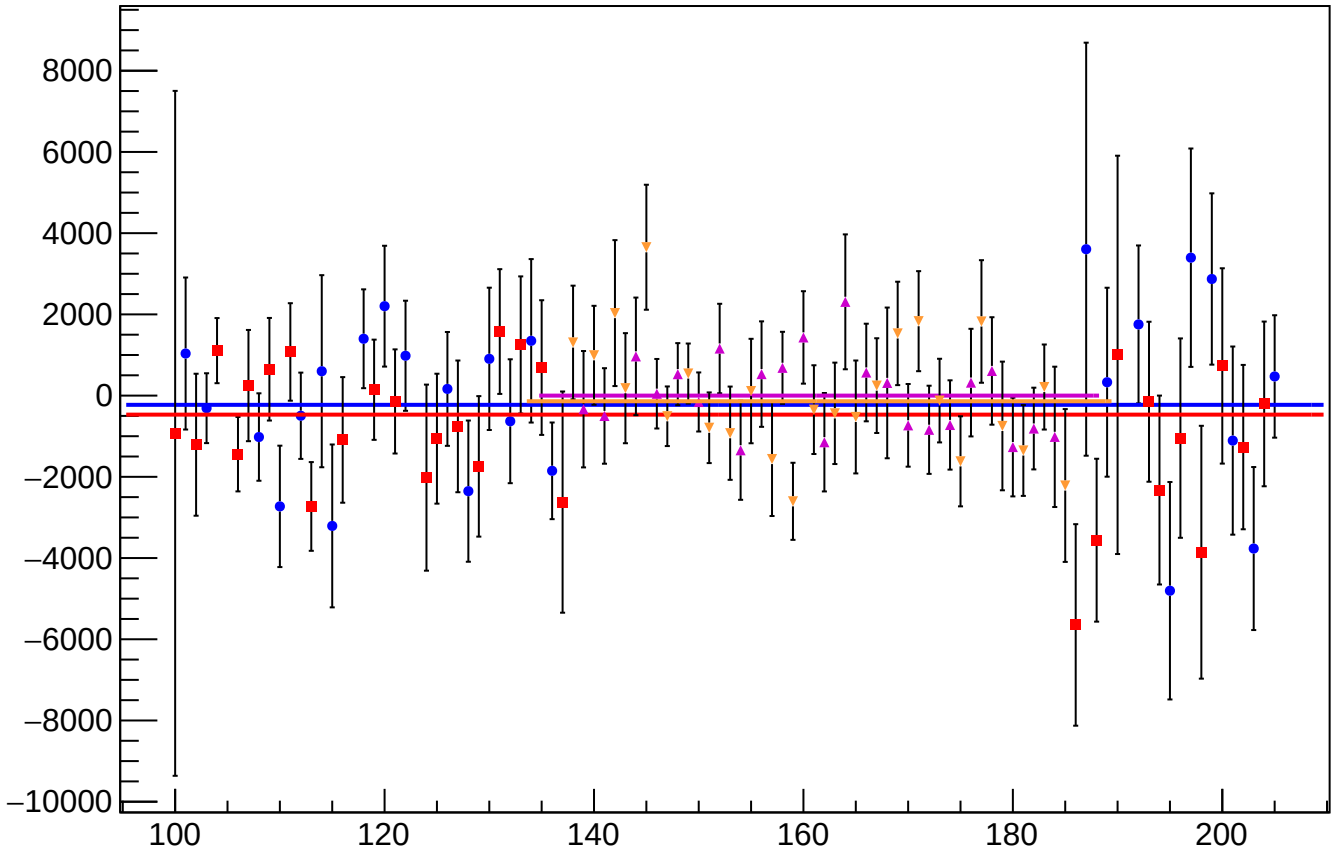
Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

Right: 1643.374+/-0.217 χ^2/NDF: 815161.1/53

In: 1625.616+/-0.203 χ^2/NDF:676222.3/47

Out: 1626.297+/-0.196 χ^2/NDF:153660.3/53

All: 1625.968+/-0.141 χ^2/NDF: 829888.4/101



Right In: -227.184+/-310.898 χ^2/NDF: 28.0/24

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -468.506+/-290.436 χ^2/NDF: 26.9/28

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

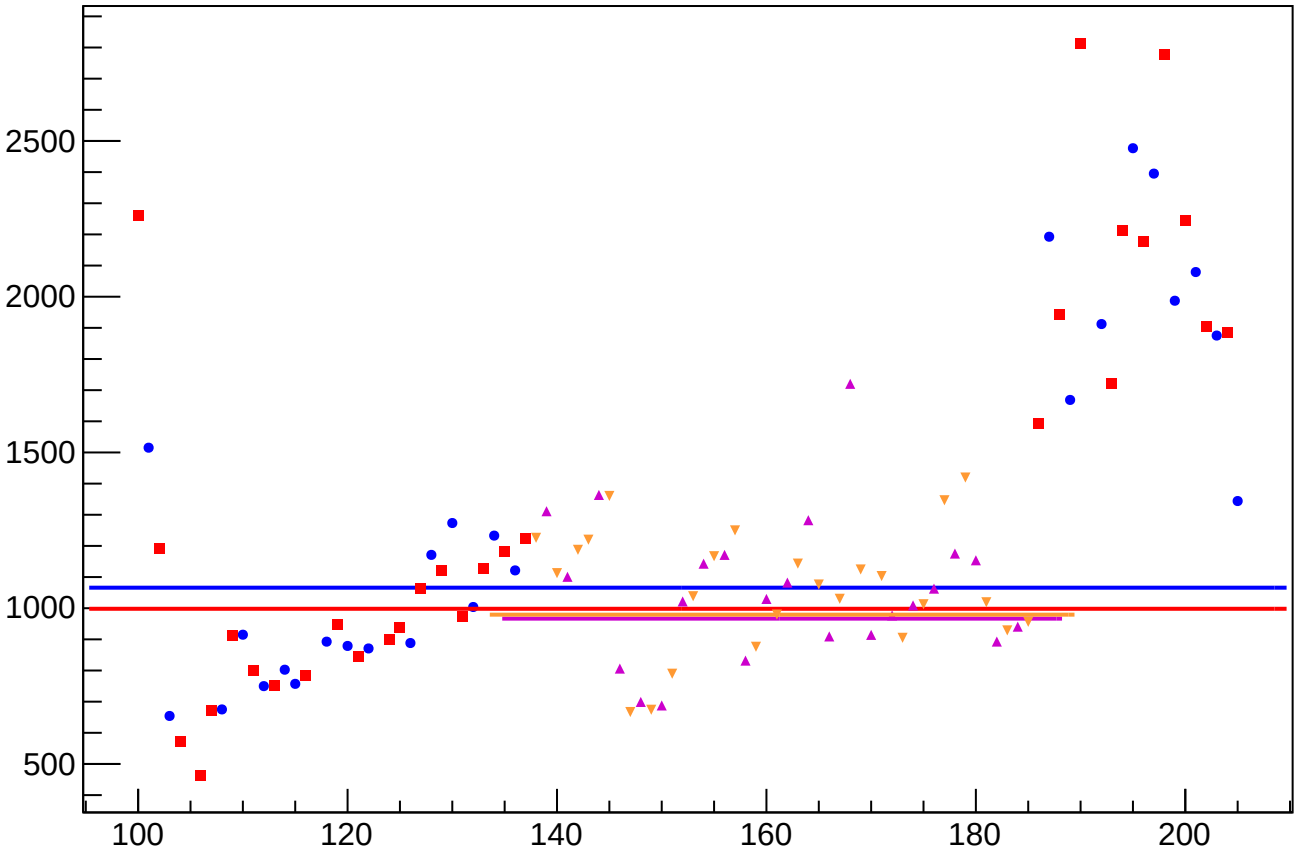
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -356.047+/-212.235 χ^2/NDF: 55.2/53

In: -81.259+/-185.887 χ^2/NDF:41.2/47

Out: -265.449+/-179.887 χ^2/NDF:57.8/53

All: -176.375+/-129.268 χ^2/NDF: 99.6/101



Right In: 1065.905+/-0.220 χ^2/NDF: 4122534.0/24

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 998.177+/-0.205 χ^2/NDF: 5816574.0/28

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

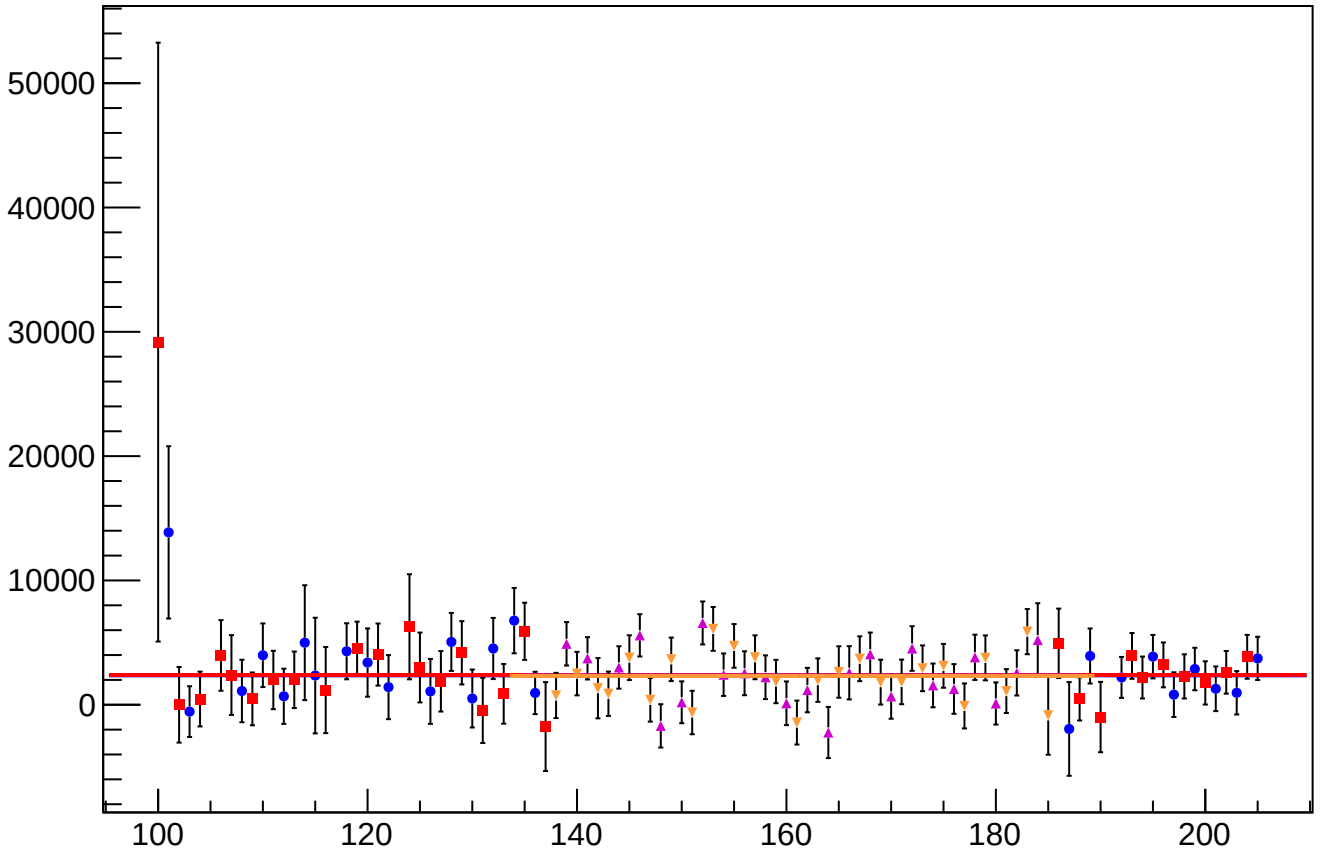
Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

Right: 1029.739+/-0.150 χ^2/NDF: 9989791.5/53

In: 1002.056+/-0.131 χ^2/NDF:5856381.5/47

Out: 986.534+/-0.127 χ^2/NDF:7452519.2/53

All: 994.041+/-0.091 χ^2/NDF: 13316102.2/10



Right In: 2366.892+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: 2393.516+/-424.941 χ^2/NDF: 17.3/28

Left In: 2370.700+/-376.798 χ^2/NDF:33.7/22

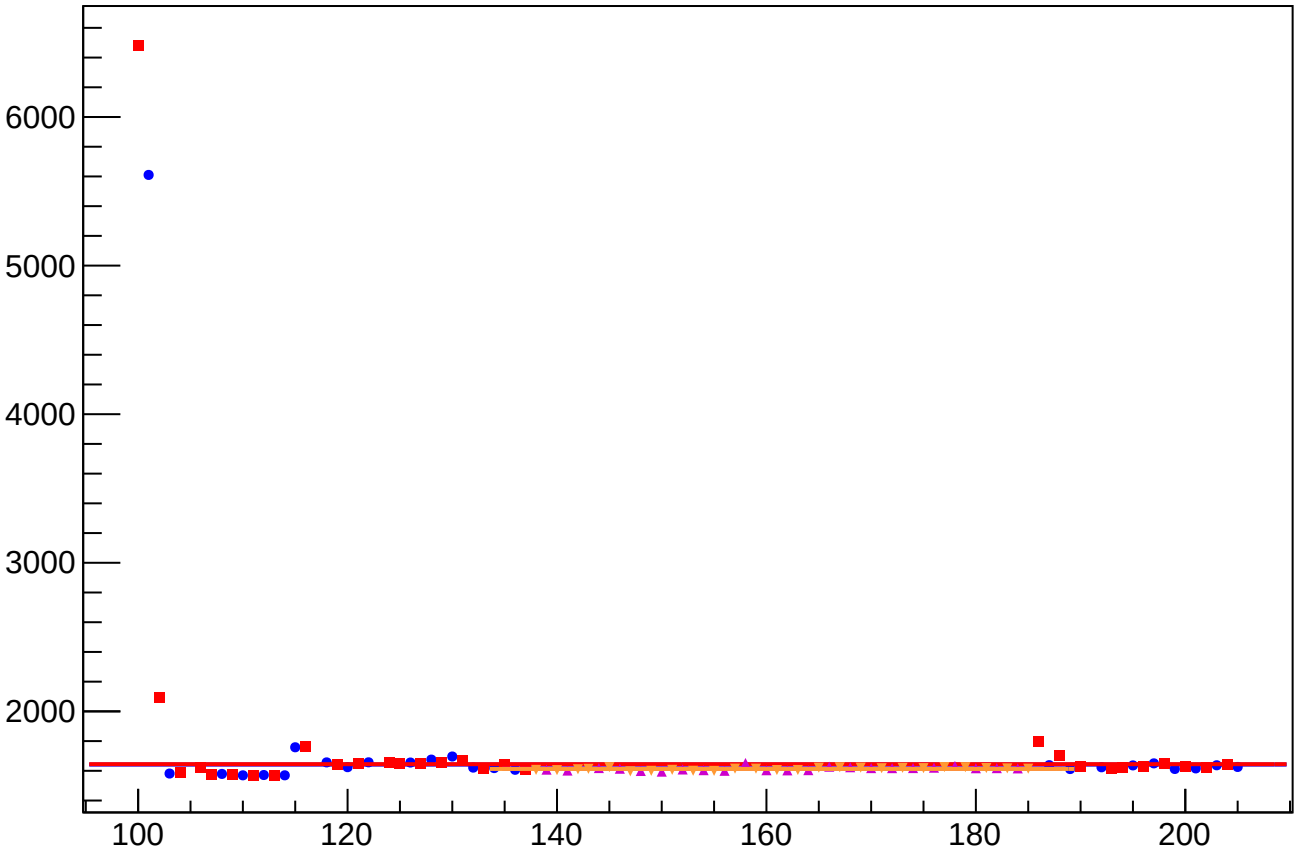
Left: 2345.161+/-262.646 χ^2/NDF: 61.2/47

Right: 2380.740+/-306.462 χ^2/NDF: 36.2/53

In: 2369.099+/-286.852 χ^2/NDF:52.6/47

Out: 2351.927+/-277.449 χ^2/NDF:44.8/53

All: 2360.227+/-199.427 χ^2/NDF: 97.4/101



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.1/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1644.720+/-0.300 χ^2/NDF: 145935.1/28

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

Left: 1613.184+/-0.186 χ^2/NDF: 3537.3/47

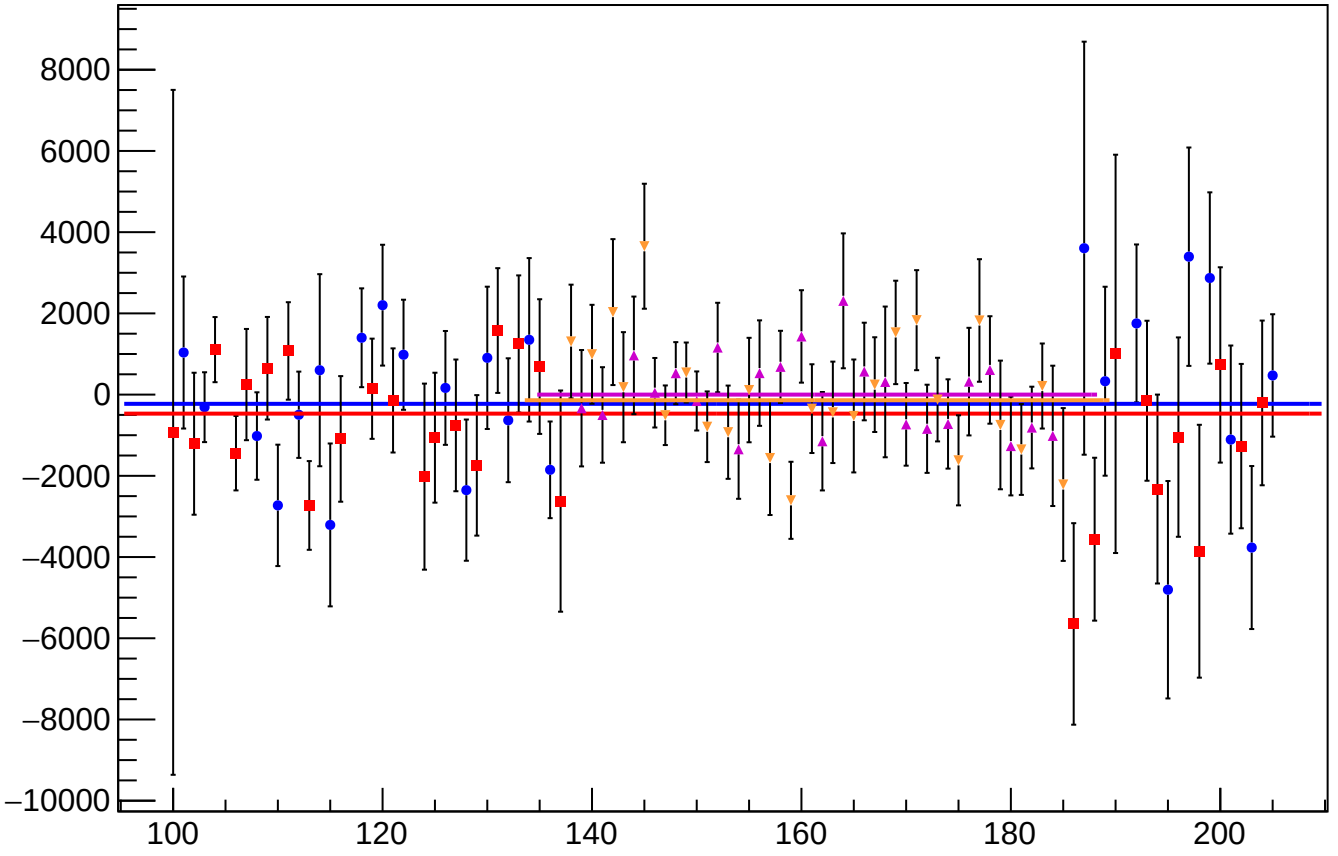
Right: 1643.374+/-0.217 χ^2/NDF: 815161.1/53

In: 1625.616+/-0.203 χ^2/NDF:676222.3/47

Out: 1626.297+/-0.196 χ^2/NDF:153660.3/53

All: 1625.968+/-0.141 χ^2/NDF: 829888.4/101

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -227.184+/-310.898 χ^2/NDF: 28.0/24

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: -468.506+/-290.436 χ^2/NDF: 26.9/28

Left In: -0.068+/-231.904 χ^2/NDF:12.9/22

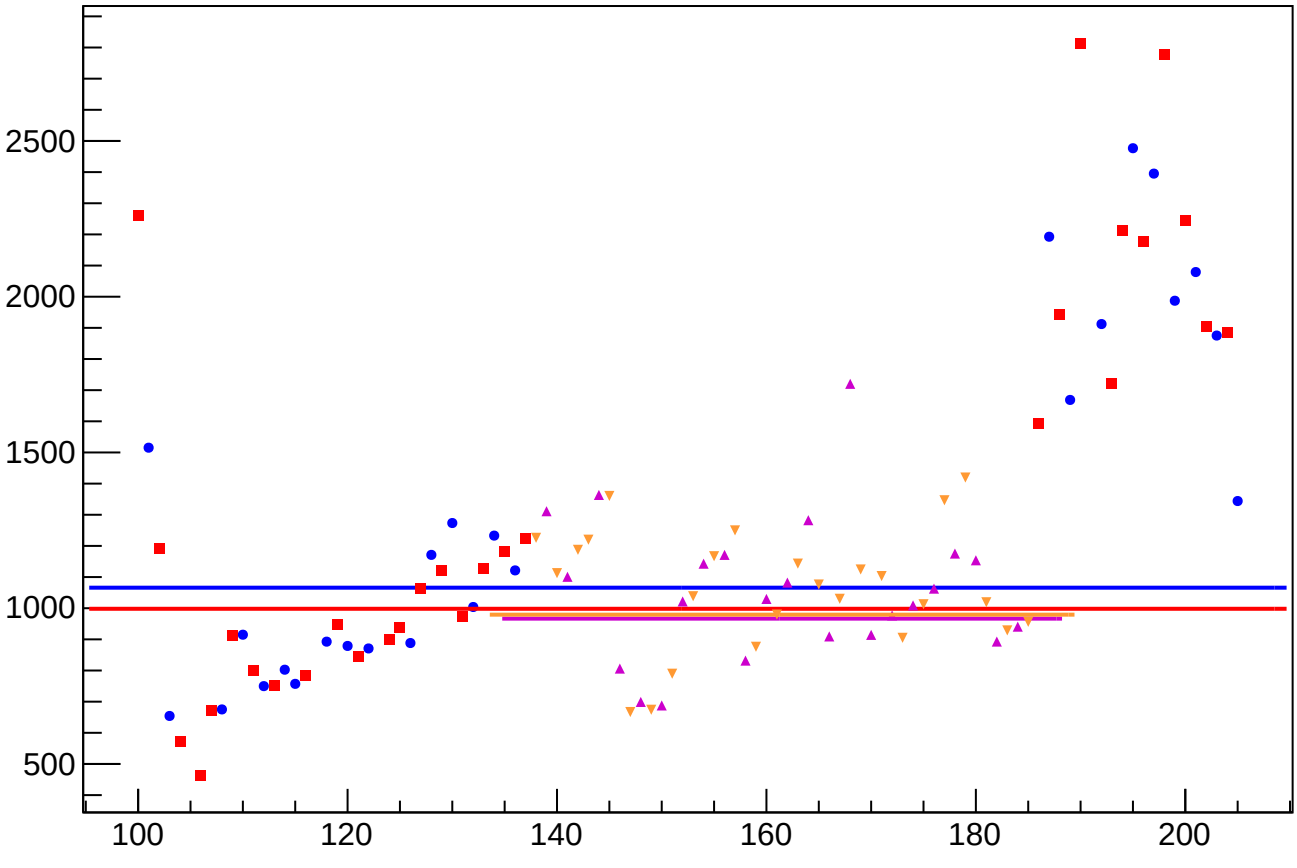
Left: -70.408+/-162.990 χ^2/NDF: 43.2/47

Right: -356.047+/-212.235 χ^2/NDF: 55.2/53

In: -81.259+/-185.887 χ^2/NDF:41.2/47

Out: -265.449+/-179.887 χ^2/NDF:57.8/53

All: -176.375+/-129.268 χ^2/NDF: 99.6/101



Right In: 1065.905+/-0.220 χ^2/NDF: 4122534.0/24

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 998.177+/-0.205 χ^2/NDF: 5816574.0/28

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

Left: 972.987+/-0.115 χ^2/NDF: 3236355.9/47

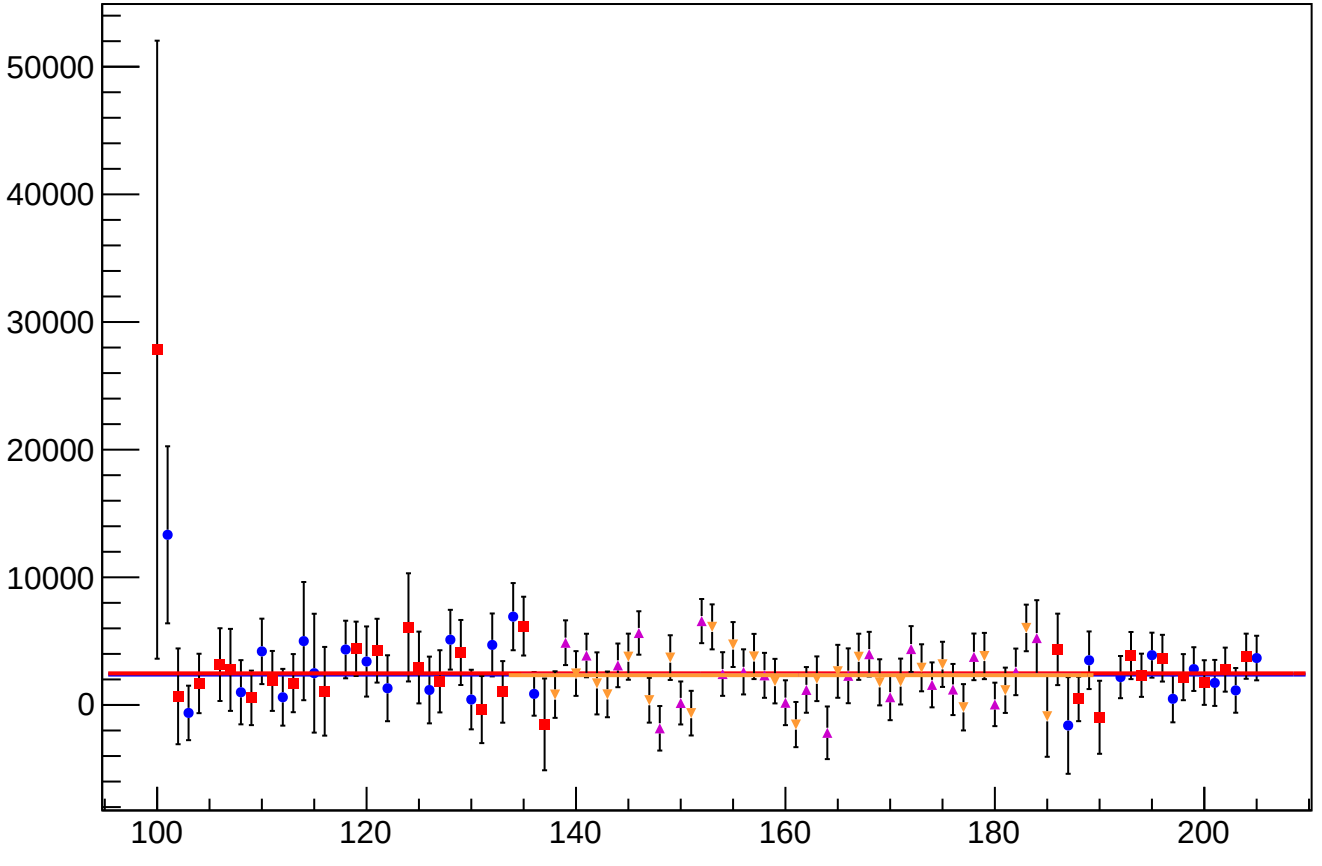
Right: 1029.739+/-0.150 χ^2/NDF: 9989791.5/53

In: 1002.056+/-0.131 χ^2/NDF:5856381.5/47

Out: 986.534+/-0.127 χ^2/NDF:7452519.2/53

All: 994.041+/-0.091 χ^2/NDF: 13316102.2/10

dit_asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2381.262+/-445.396 χ^2/NDF: 18.7/24

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: 2476.176+/-429.046 χ^2/NDF: 15.6/28

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

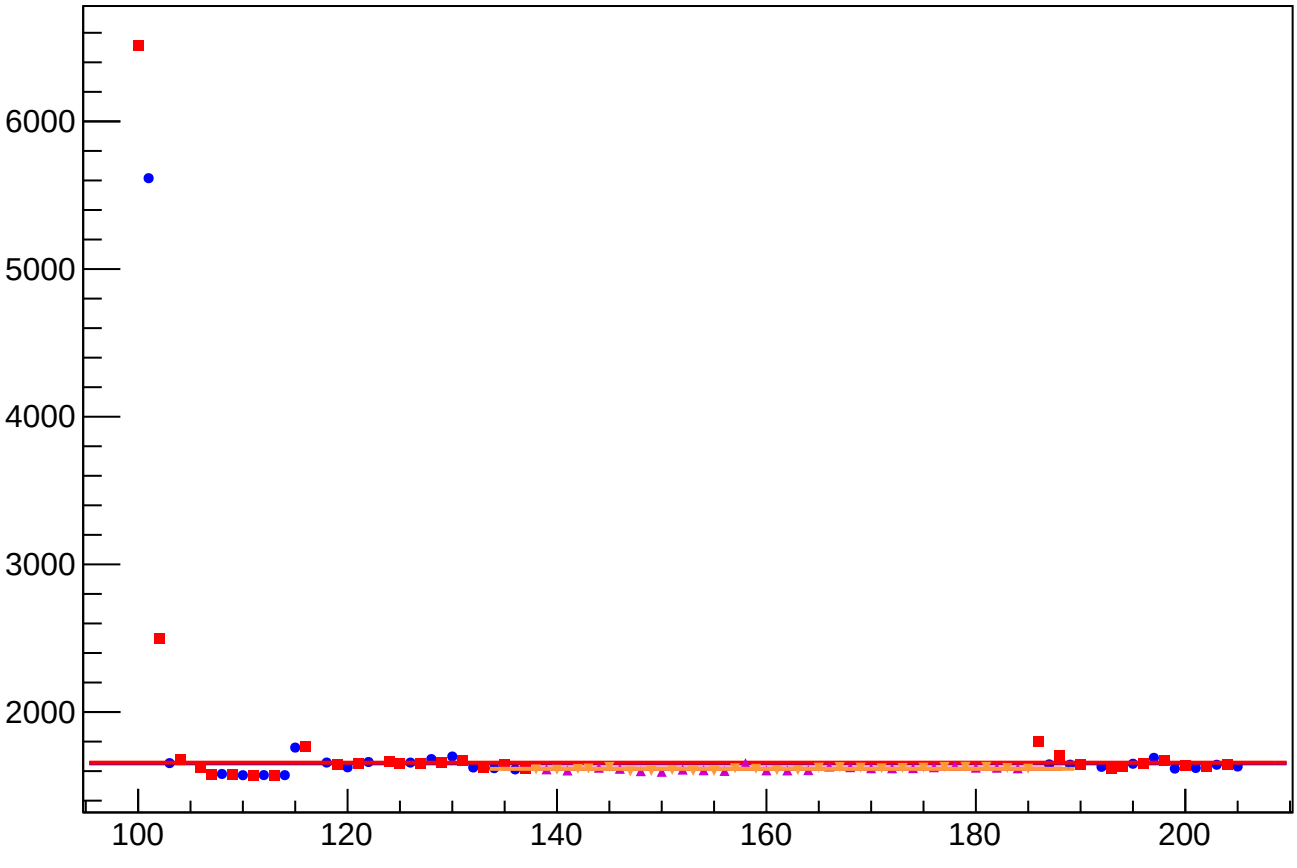
Left: 2347.209+/-263.105 χ^2/NDF: 62.3/47

Right: 2430.493+/-309.000 χ^2/NDF: 34.3/53

In: 2369.054+/-287.934 χ^2/NDF:52.7/47

Out: 2394.557+/-278.885 χ^2/NDF:43.9/53

All: 2382.212+/-200.324 χ^2/NDF: 96.6/101



Right In: 1652.965+/-0.315 χ^2/NDF: 666946.4/24

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.173+/-0.303 χ^2/NDF: 202535.2/28

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

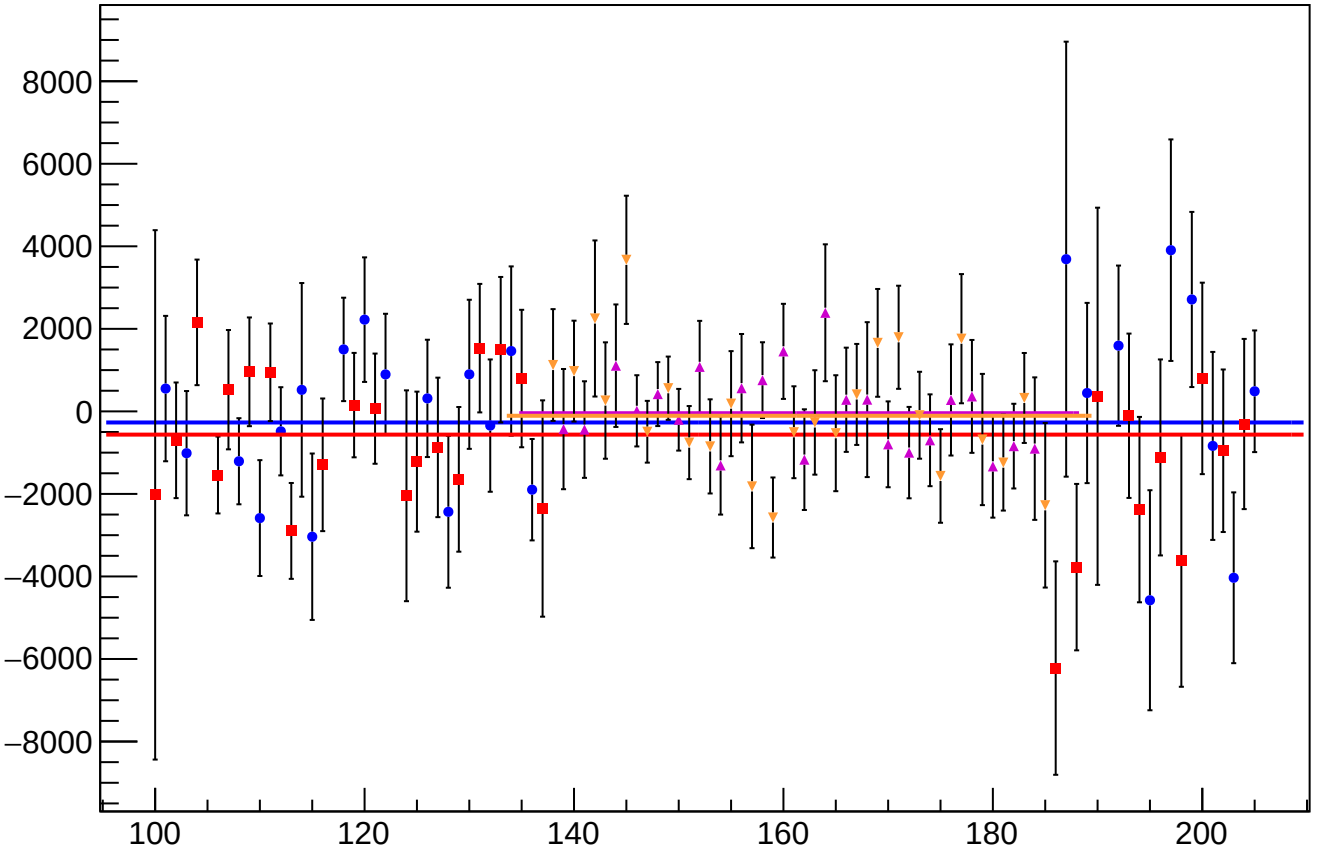
Right: 1655.148+/-0.218 χ^2/NDF: 869574.1/53

In: 1631.658+/-0.204 χ^2/NDF:677367.1/47

Out: 1633.184+/-0.197 χ^2/NDF:214809.0/53

All: 1632.446+/-0.142 χ^2/NDF: 892205.1/101

asym_usr_atr1_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -268.893+/-328.172 χ^2/NDF: 28.0/24

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: -563.138+/-308.965 χ^2/NDF: 27.4/28

Left In: -44.469+/-235.733 χ^2/NDF:12.8/22

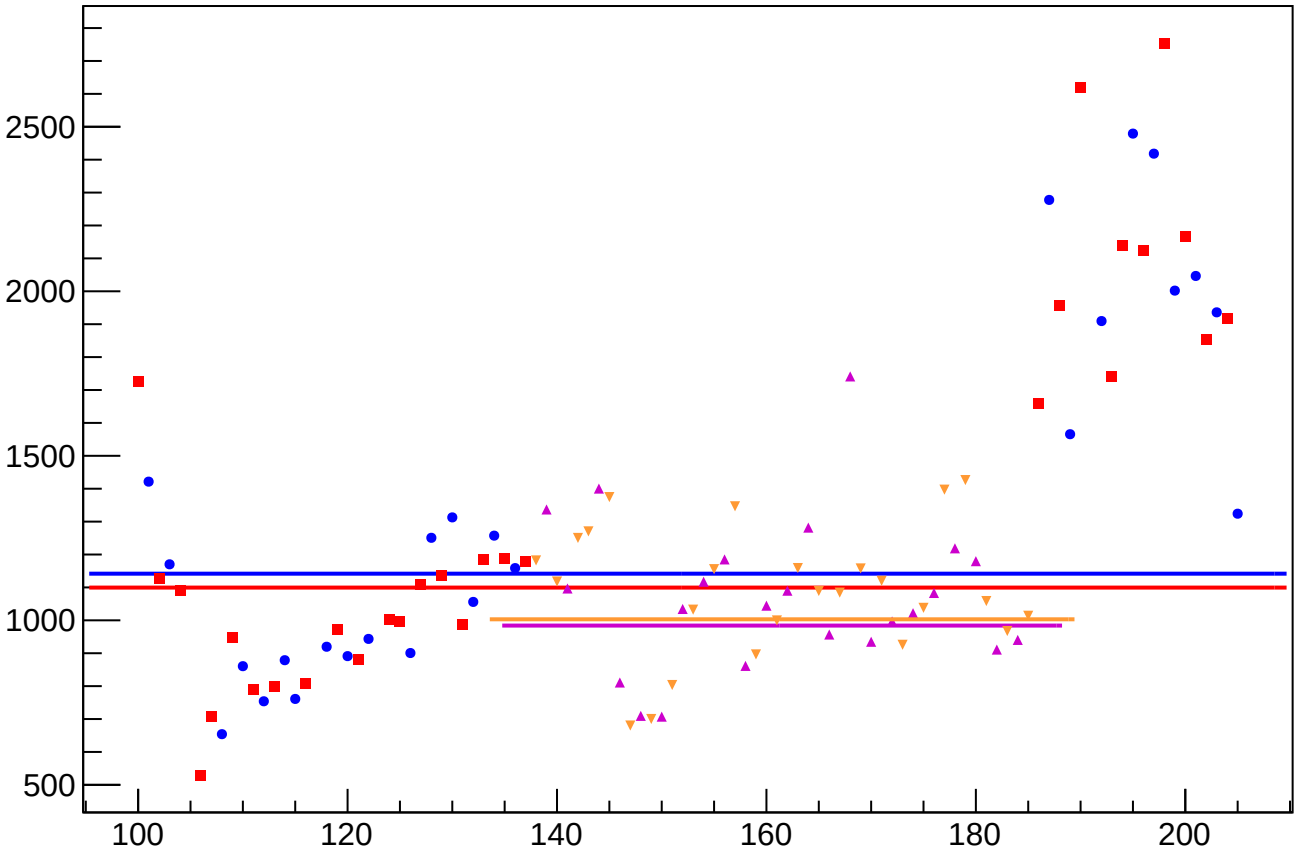
Left: -75.591+/-166.182 χ^2/NDF: 41.8/47

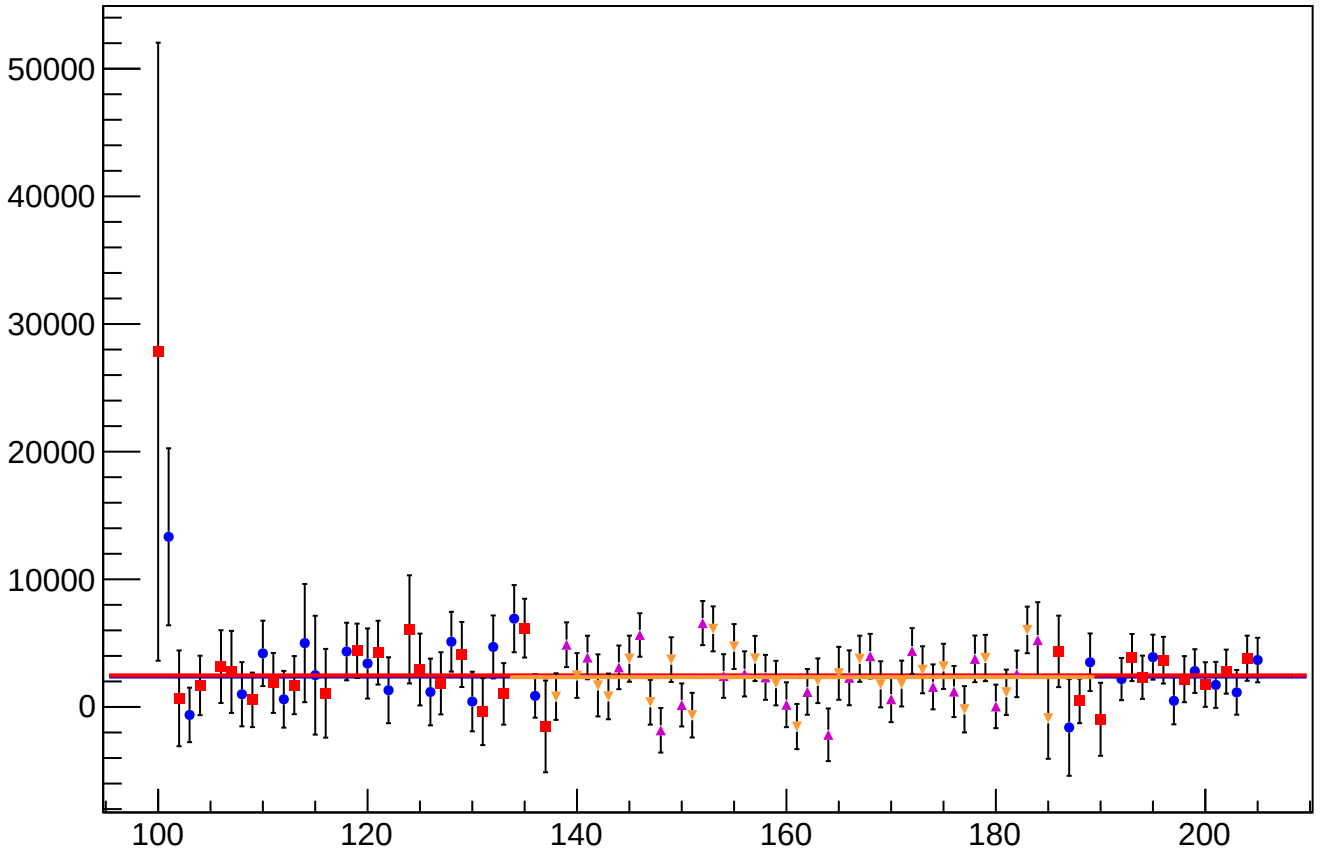
Right: -424.878+/-224.955 χ^2/NDF: 55.9/53

In: -120.854+/-191.458 χ^2/NDF:41.1/47

Out: -273.126+/-186.693 χ^2/NDF:57.8/53

All: -198.908+/-133.665 χ^2/NDF: 99.3/101


asym_usr_atr1_avg_dit_correction_rms vs Slug, Sign Corrected
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1141.778+/-0.232 χ²/NDF: 3579419.4/24
Left Out: 1003.101+/-0.166 χ²/NDF:1598415.6/24
Right Out: 1099.512+/-0.218 χ²/NDF: 4690920.7/28
Left In: 984.053+/-0.167 χ²/NDF:1559561.5/22
Left: 993.635+/-0.118 χ²/NDF: 3164545.6/47
Right: 1119.372+/-0.159 χ²/NDF: 8287926.6/53
In: 1037.737+/-0.135 χ²/NDF:5443722.8/47
Out: 1038.303+/-0.132 χ²/NDF:6412976.5/53
All: 1038.027+/-0.095 χ²/NDF: 11856708.3/1



Right In: 2381.262+/-445.396 χ^2/NDF: 18.7/24

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: 2476.174+/-429.046 χ^2/NDF: 15.6/28

Left In: 2360.289+/-377.400 χ^2/NDF:34.0/22

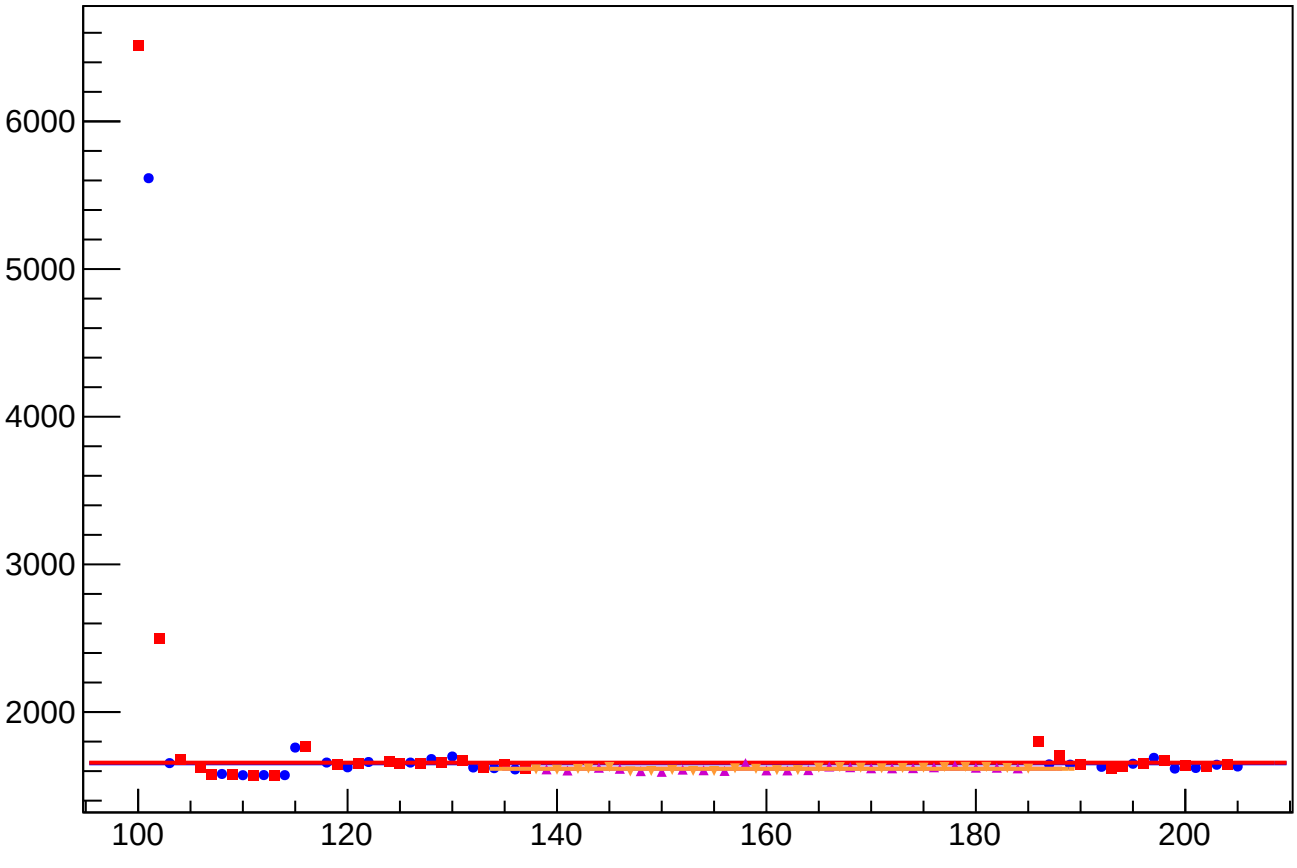
Left: 2347.208+/-263.105 χ^2/NDF: 62.3/47

Right: 2430.492+/-309.000 χ^2/NDF: 34.3/53

In: 2369.054+/-287.934 χ^2/NDF:52.7/47

Out: 2394.555+/-278.885 χ^2/NDF:43.9/53

All: 2382.212+/-200.324 χ^2/NDF: 96.6/101



Right In: 1652.965+/-0.315 χ^2/NDF: 666946.4/24

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

Right Out: 1657.173+/-0.303 χ^2/NDF: 202535.1/28

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

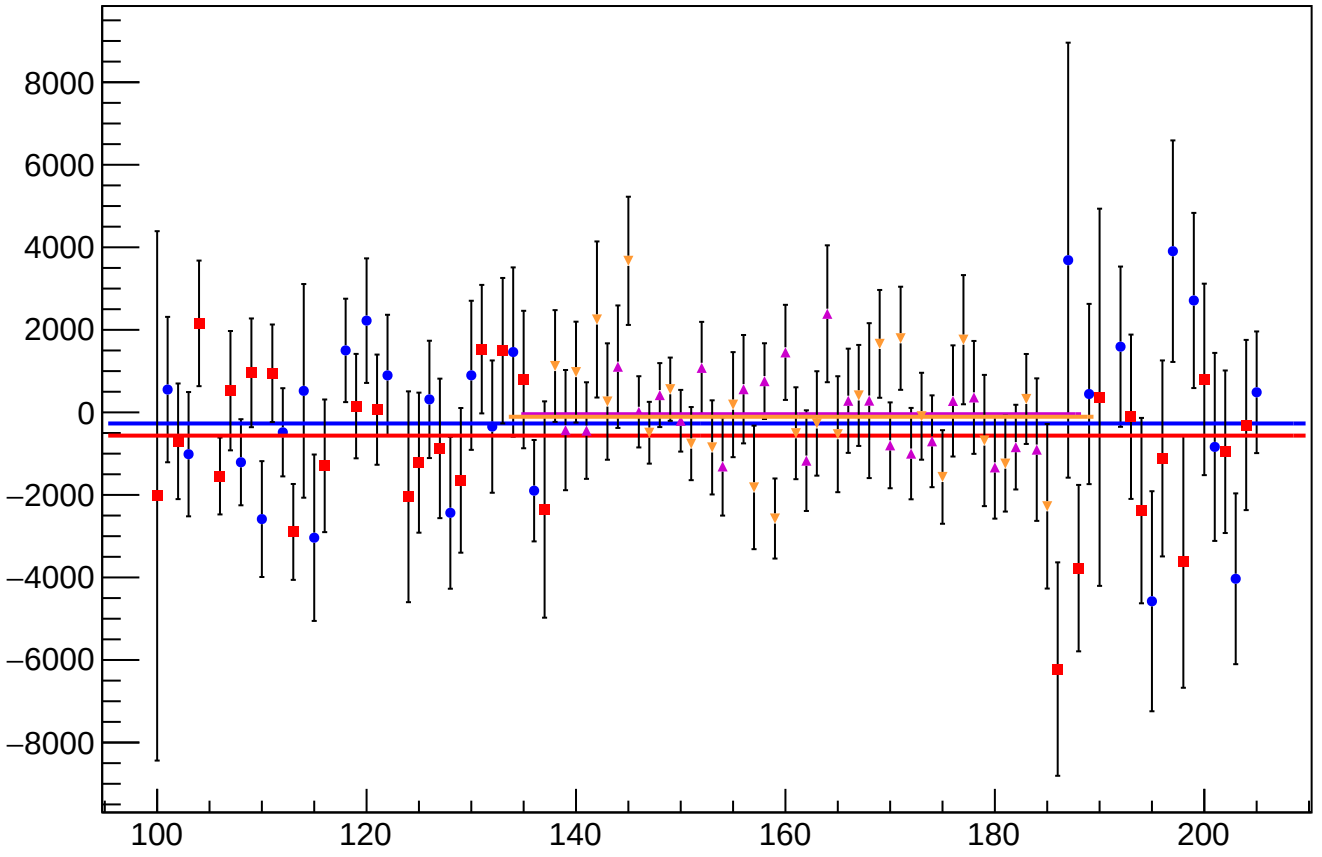
Left: 1615.987+/-0.186 χ^2/NDF: 4008.7/47

Right: 1655.148+/-0.218 χ^2/NDF: 869574.0/53

In: 1631.658+/-0.204 χ^2/NDF:677367.1/47

Out: 1633.184+/-0.197 χ^2/NDF:214808.8/53

All: 1632.446+/-0.142 χ^2/NDF: 892204.8/101



Right In: -268.893+/-328.171 χ^2/NDF: 28.0/24

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

Right Out: -563.136+/-308.964 χ^2/NDF: 27.4/28

Left In: -44.468+/-235.733 χ^2/NDF:12.8/22

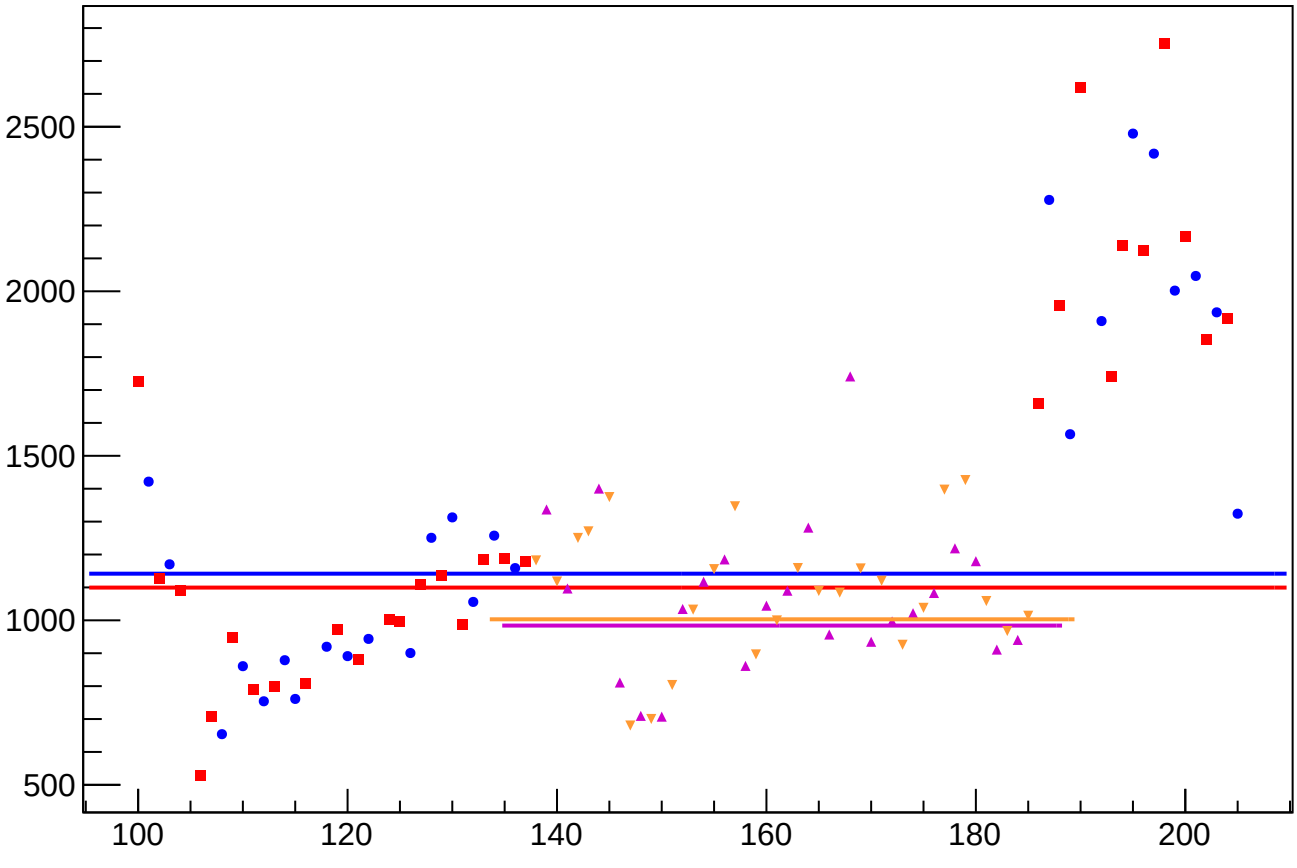
Left: -75.592+/-166.182 χ^2/NDF: 41.8/47

Right: -424.876+/-224.954 χ^2/NDF: 55.9/53

In: -120.855+/-191.458 χ^2/NDF:41.1/47

Out: -273.127+/-186.693 χ^2/NDF:57.8/53

All: -198.909+/-133.665 χ^2/NDF: 99.3/101



Right In: 1141.774+/-0.232 χ^2/NDF: 3579462.6/24

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1099.509+/-0.218 χ^2/NDF: 4690950.7/28

Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

Left: 993.637+/-0.118 χ^2/NDF: 3164549.9/47

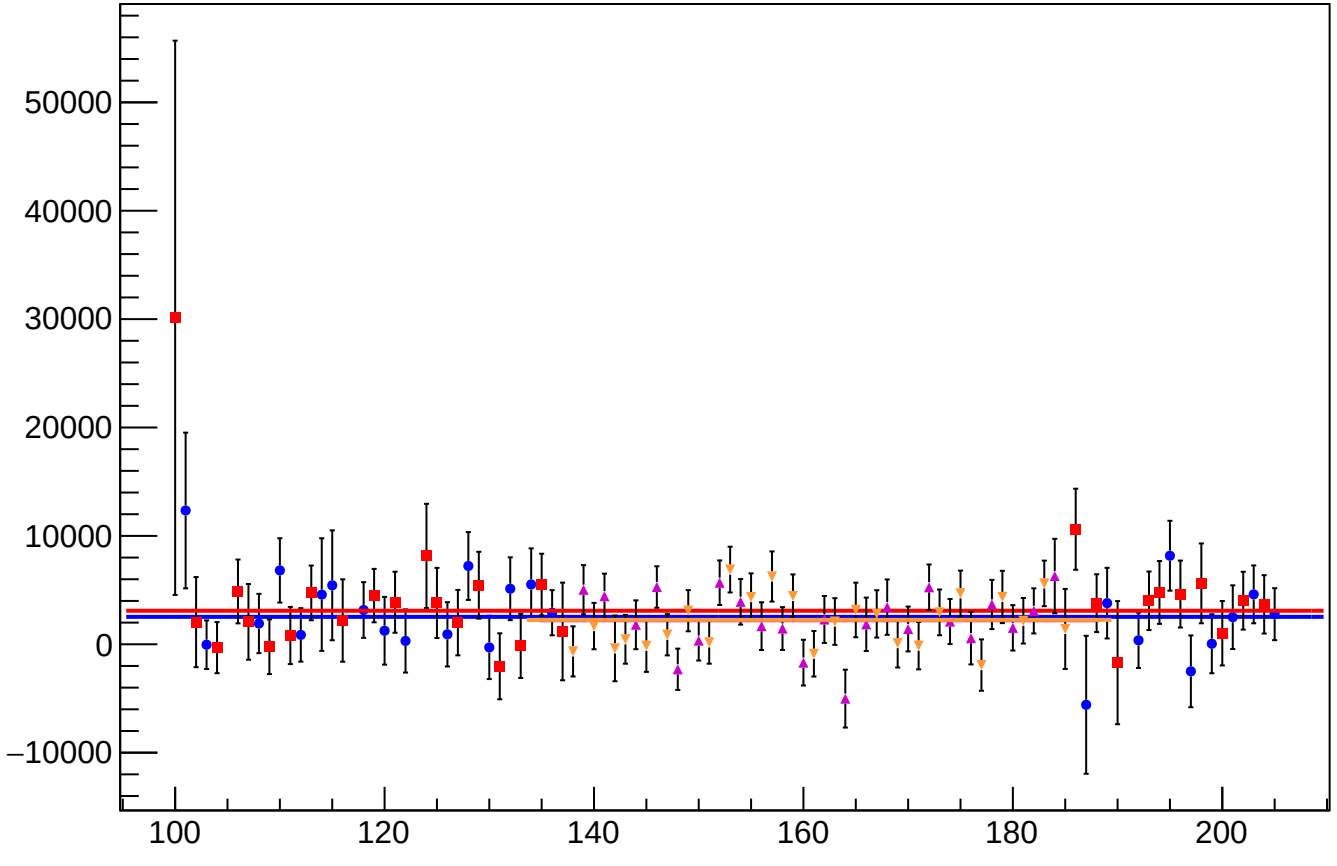
Right: 1119.369+/-0.159 χ^2/NDF: 8287999.0/53

In: 1037.737+/-0.135 χ^2/NDF:5443745.8/47

Out: 1038.303+/-0.132 χ^2/NDF:6412995.6/53

All: 1038.028+/-0.095 χ^2/NDF: 11856750.3/1

asym_usr_atr1_avg_mean vs Slug, Sign Corrected



Right In: 2531.037+/-589.711 χ^2/NDF: 21.5/24

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: 3093.904+/-570.455 χ^2/NDF: 20.5/28

Left In: 2219.401+/-452.286 χ^2/NDF:31.5/22

Left: 2236.262+/-316.193 χ^2/NDF: 59.8/47

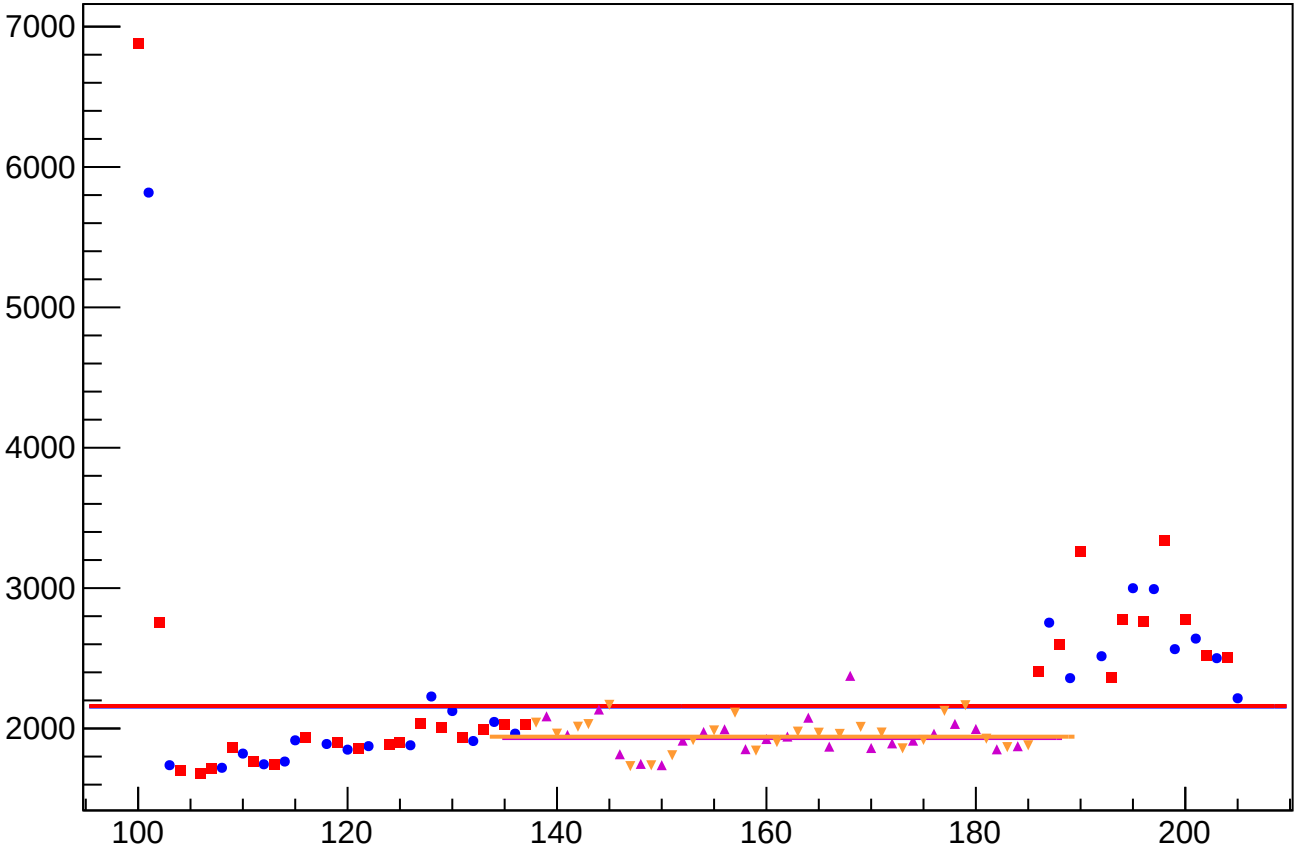
Right: 2821.810+/-410.011 χ^2/NDF: 42.5/53

In: 2334.821+/-358.886 χ^2/NDF:53.2/47

Out: 2568.255+/-349.499 χ^2/NDF:50.2/53

All: 2454.631+/-250.386 χ^2/NDF: 103.6/101

asym_usr_atr1_avg_rms vs Slug, Sign Corrected



Right In: 2156.210+/-0.417 χ^2/NDF: 1311964.8/24

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2160.285+/-0.403 χ^2/NDF: 1180989.6/28

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

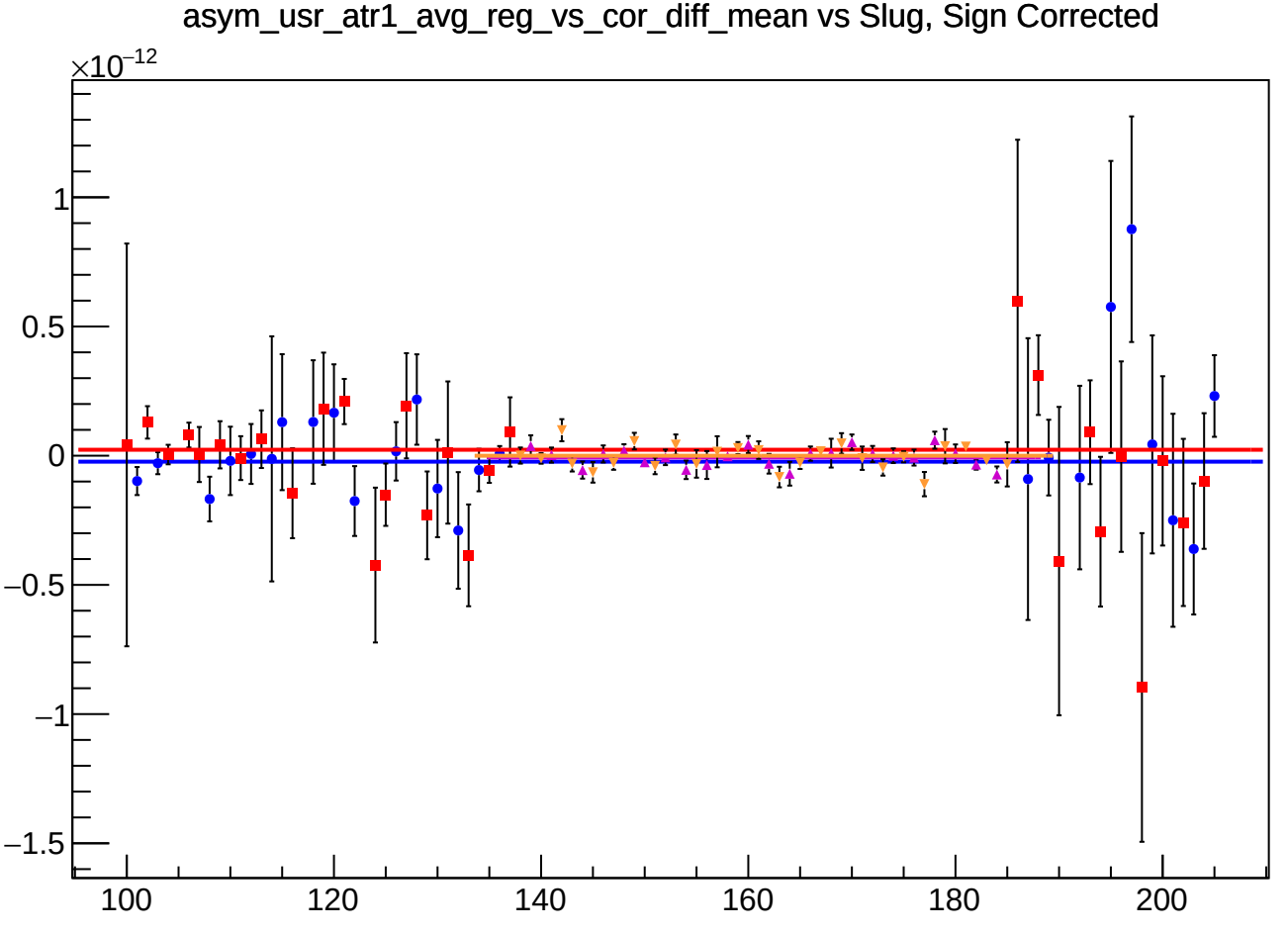
Left: 1936.808+/-0.224 χ^2/NDF: 299365.5/47

Right: 2158.315+/-0.290 χ^2/NDF: 2493003.7/53

In: 2014.922+/-0.254 χ^2/NDF:1654178.7/47

Out: 2023.675+/-0.247 χ^2/NDF:1503622.5/53

All: 2019.415+/-0.177 χ^2/NDF: 3158411.8/10



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.0/28

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

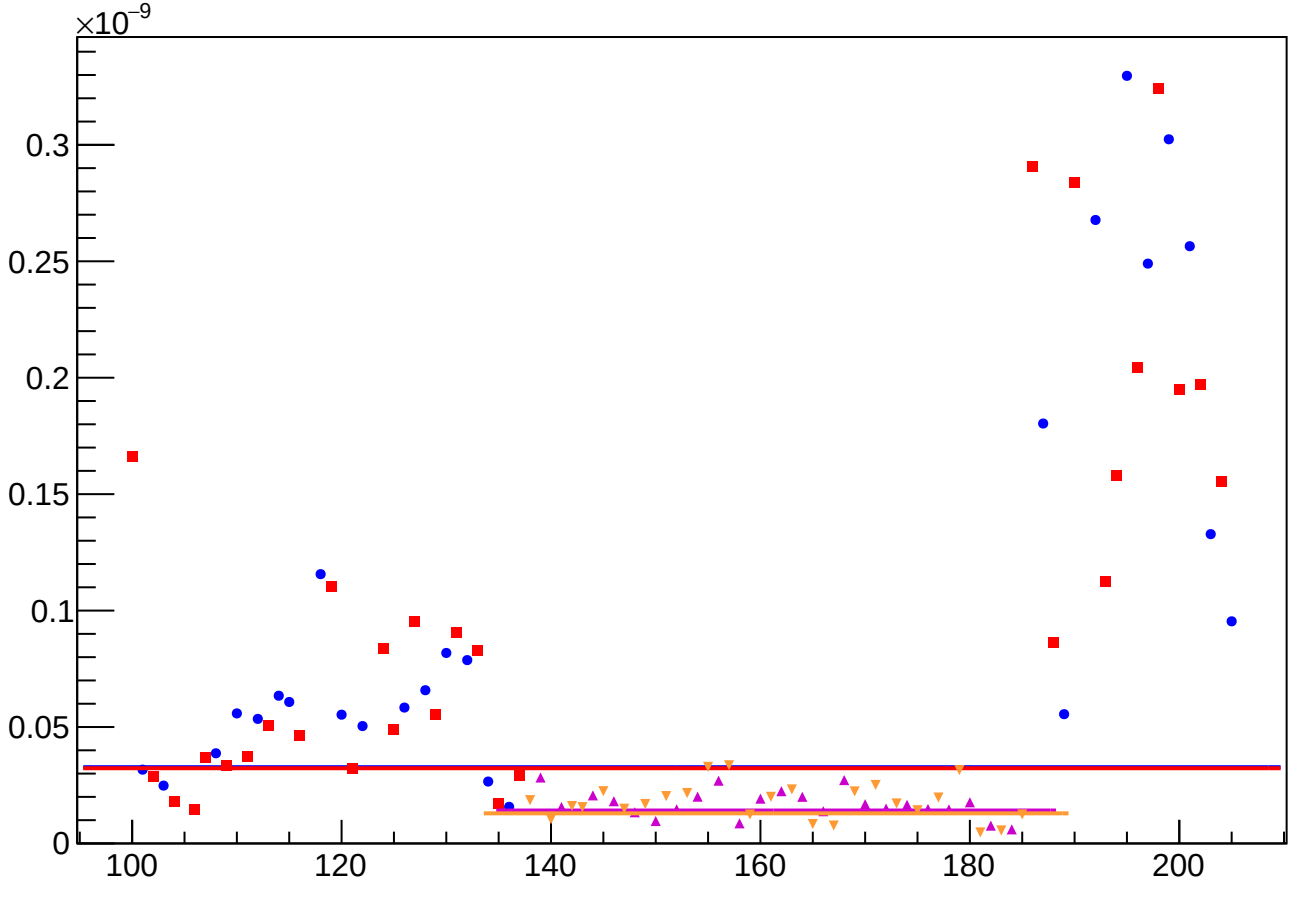
Left: -0.000+/-0.000 χ^2/NDF: 68.4/47

Right: -0.000+/-0.000 χ^2/NDF: 60.9/53

In: -0.000+/-0.000 χ^2/NDF:51.1/47

Out: 0.000+/-0.000 χ^2/NDF:76.7/53

All: -0.000+/-0.000 χ^2/NDF: 129.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 5749579.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5711508.6/28

Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

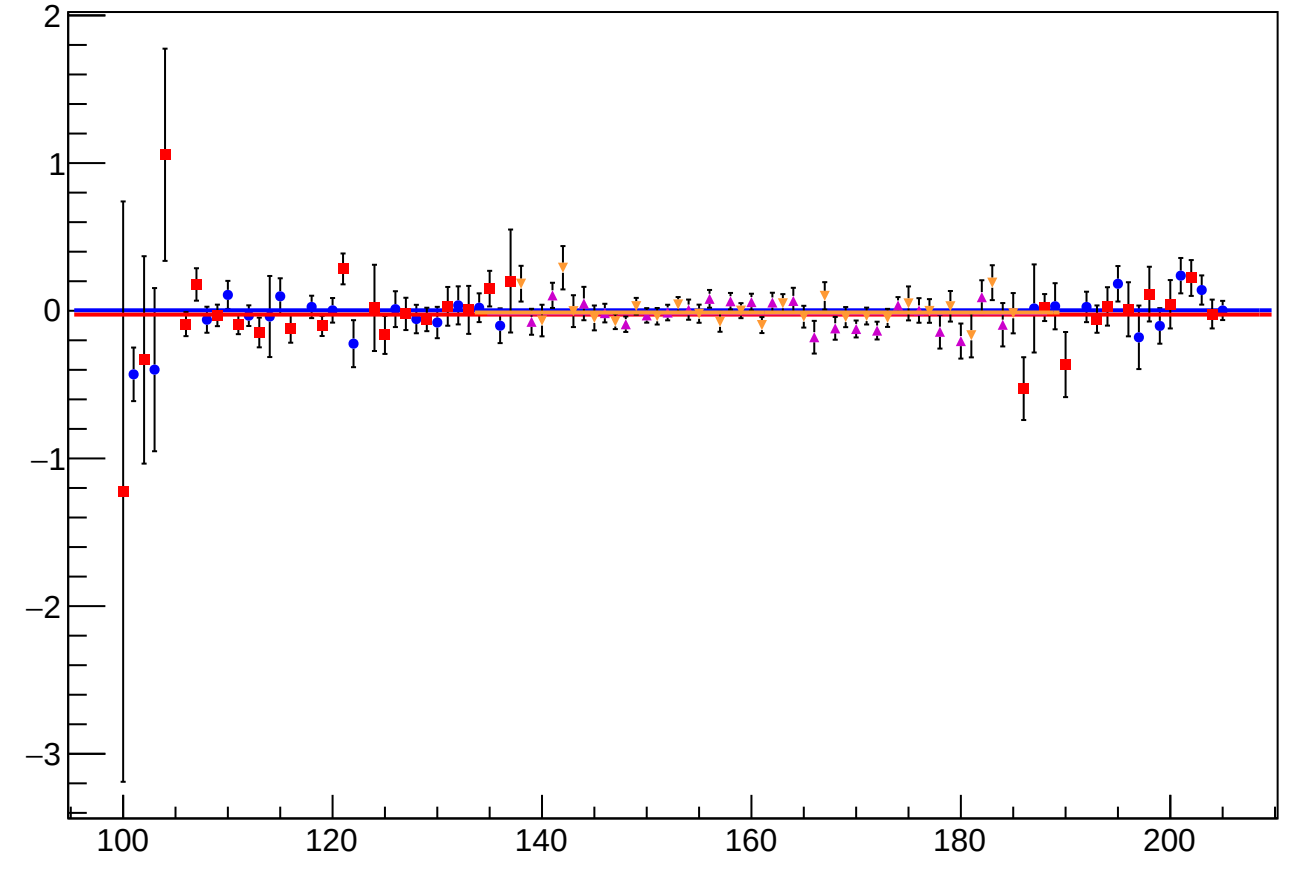
Left: 0.000+/-0.000 χ^2/NDF: 4390810.8/47

Right: 0.000+/-0.000 χ^2/NDF: 11461656.1/53

In: 0.000+/-0.000 χ^2/NDF:9059455.2/47

Out: 0.000+/-0.000 χ^2/NDF:10460519.8/53

All: 0.000+/-0.000 χ^2/NDF: 19582255.4/101



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.021 χ^2/NDF: 37.9/28

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

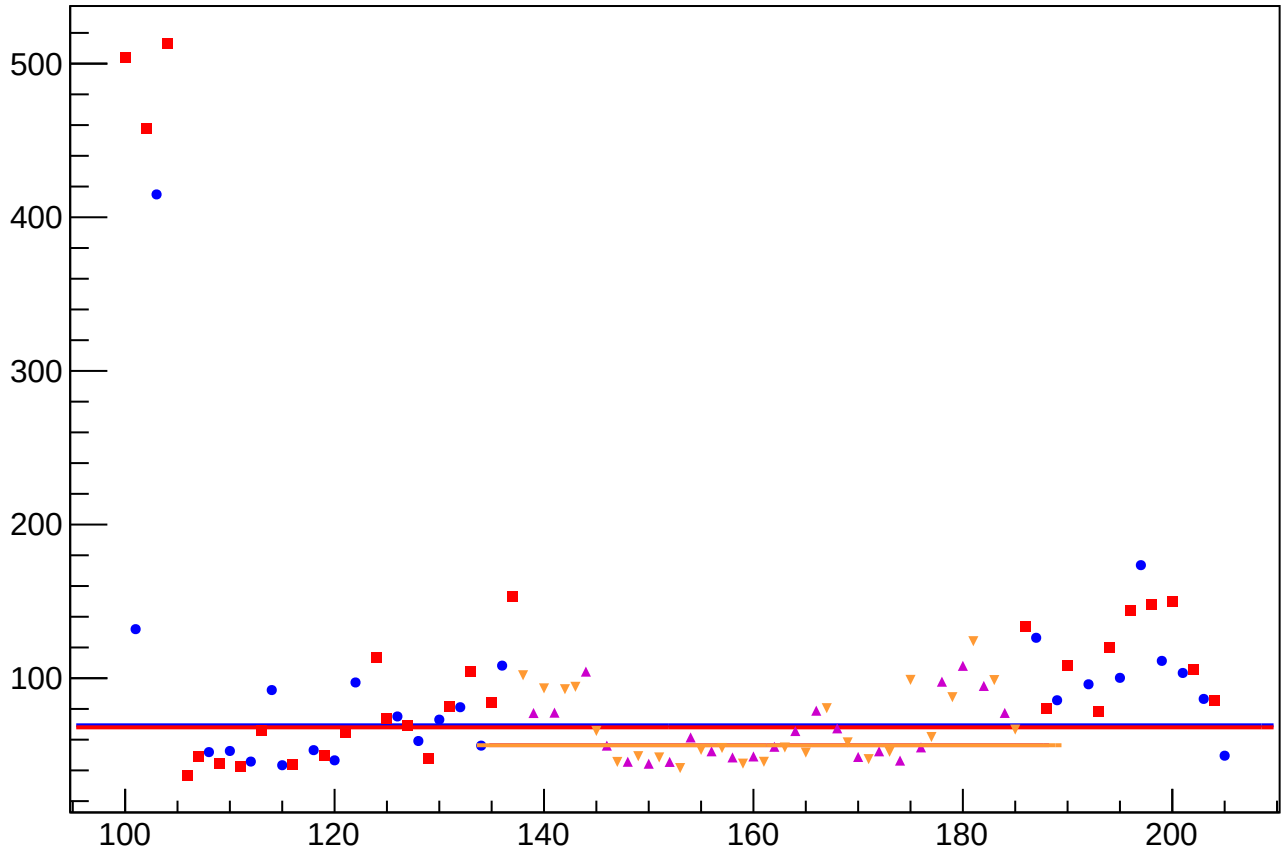
Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

Right: -0.012+/-0.015 χ^2/NDF: 61.2/53

In: -0.011+/-0.012 χ^2/NDF:53.7/47

Out: -0.016+/-0.012 χ^2/NDF:60.0/53

All: -0.014+/-0.008 χ^2/NDF: 113.8/101



Right In: 69.327+/-0.015 χ^2/NDF: 3577054.2/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 68.017+/-0.015 χ^2/NDF: 5187533.1/28

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

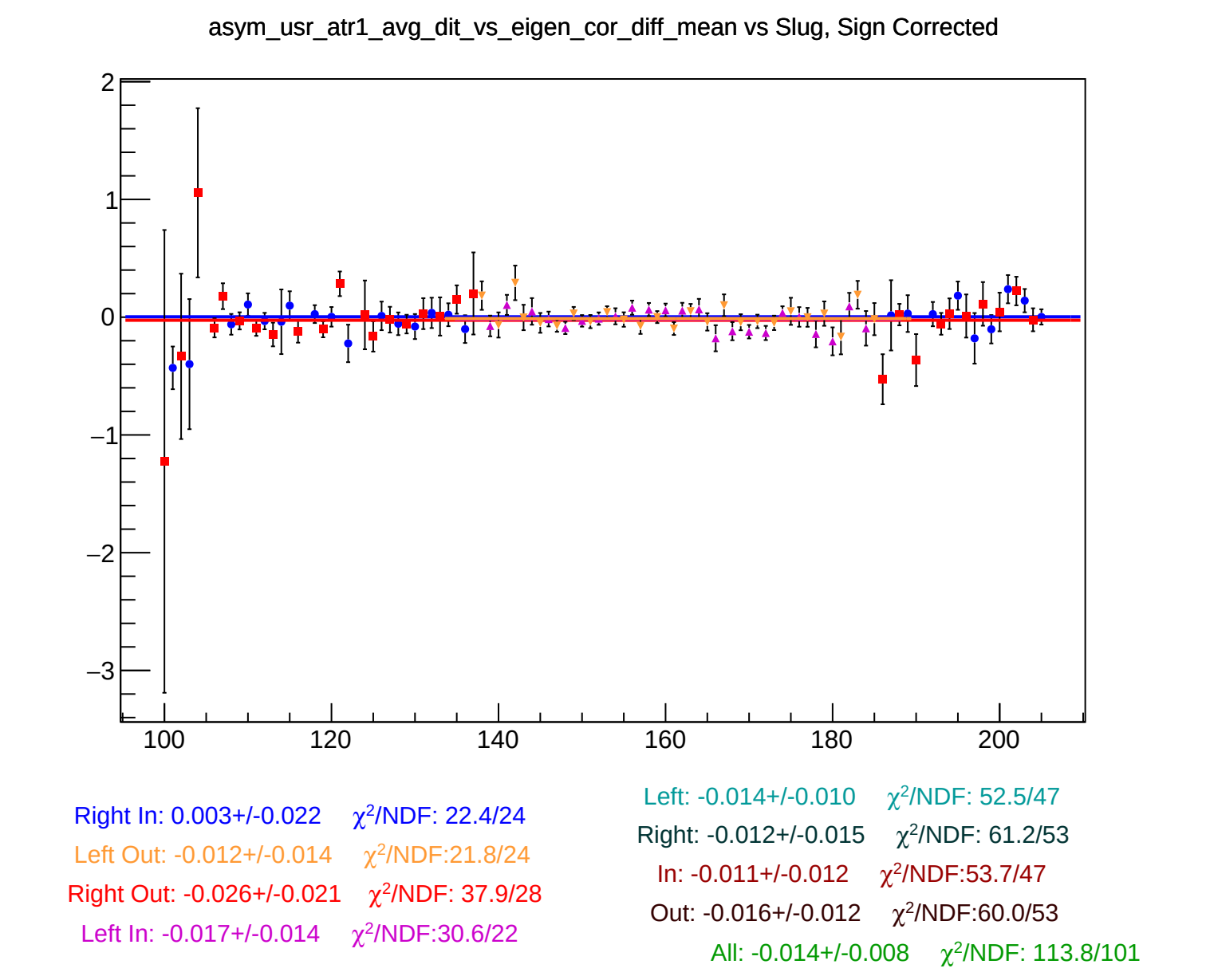
Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

Right: 68.653+/-0.011 χ^2/NDF: 8768356.9/53

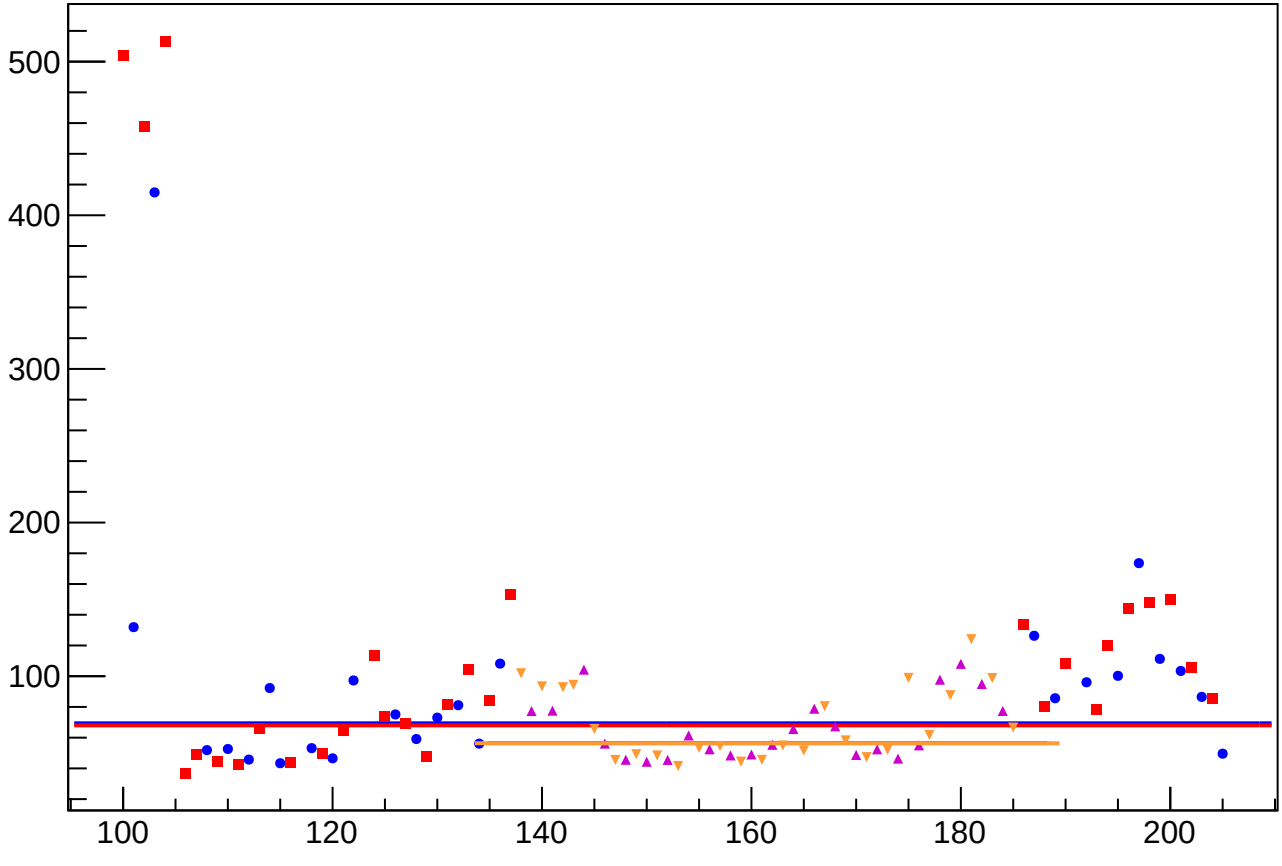
In: 60.443+/-0.009 χ^2/NDF:6204471.6/47

Out: 60.062+/-0.008 χ^2/NDF:8403854.4/53

All: 60.249+/-0.006 χ^2/NDF: 14609347.0/101


asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.003+/-0.022 χ²/NDF: 22.4/24
Left Out: -0.012+/-0.014 χ²/NDF:21.8/24
Right Out: -0.026+/-0.021 χ²/NDF: 37.9/28
Left In: -0.017+/-0.014 χ²/NDF:30.6/22
Left: -0.014+/-0.010 χ²/NDF: 52.5/47
Right: -0.012+/-0.015 χ²/NDF: 61.2/53
In: -0.011+/-0.012 χ²/NDF:53.7/47
Out: -0.016+/-0.012 χ²/NDF:60.0/53
All: -0.014+/-0.008 χ²/NDF: 113.8/101

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.327+/-0.015 χ^2/NDF: 3577054.2/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 68.017+/-0.015 χ^2/NDF: 5187533.1/28

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

Left: 56.420+/-0.007 χ^2/NDF: 4937425.9/47

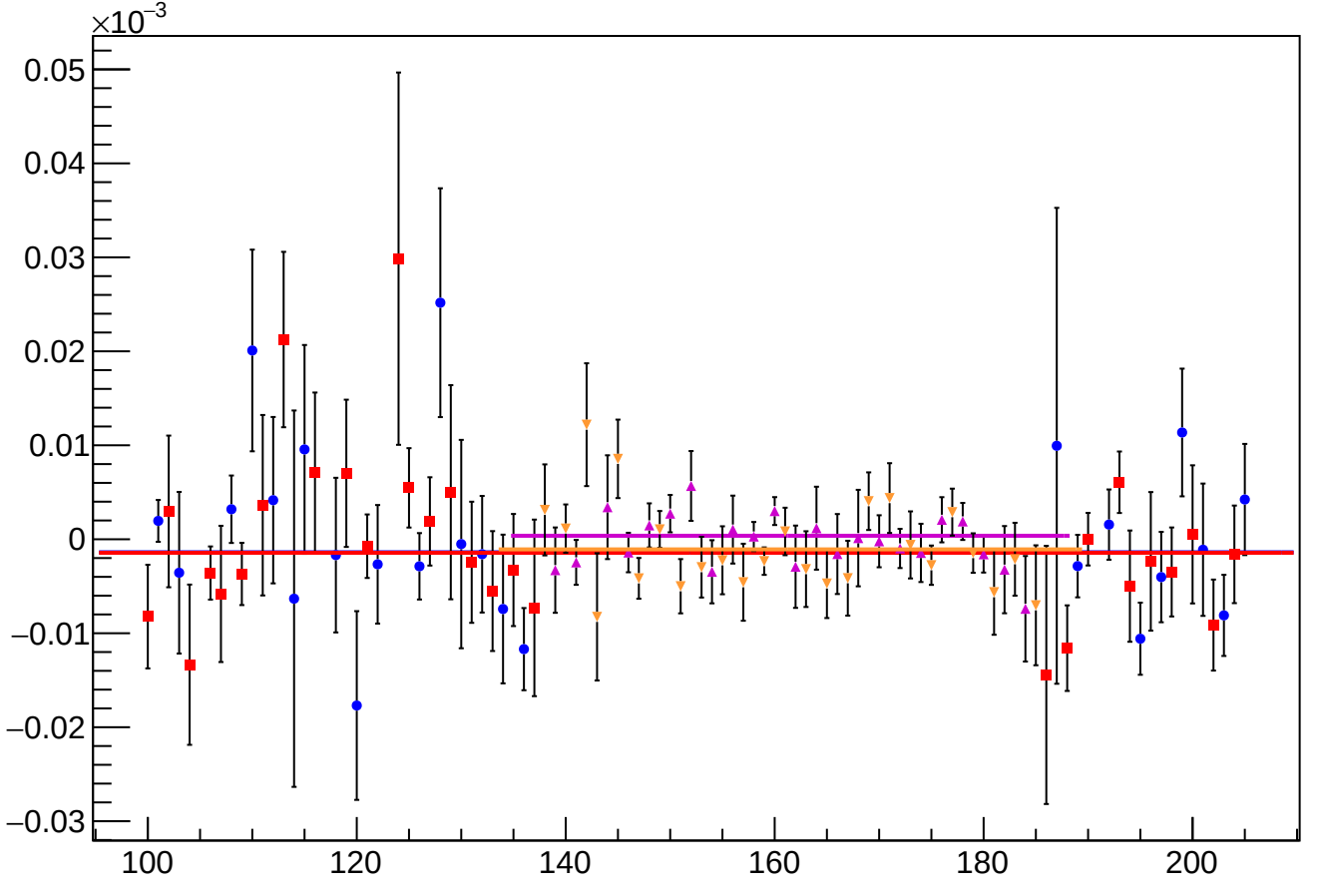
Right: 68.653+/-0.011 χ^2/NDF: 8768356.9/53

In: 60.443+/-0.009 χ^2/NDF:6204471.6/47

Out: 60.062+/-0.008 χ^2/NDF:8403854.4/53

All: 60.249+/-0.006 χ^2/NDF: 14609347.0/101

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.1/28

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

Left: -0.000+/-0.000 χ^2/NDF: 52.4/47

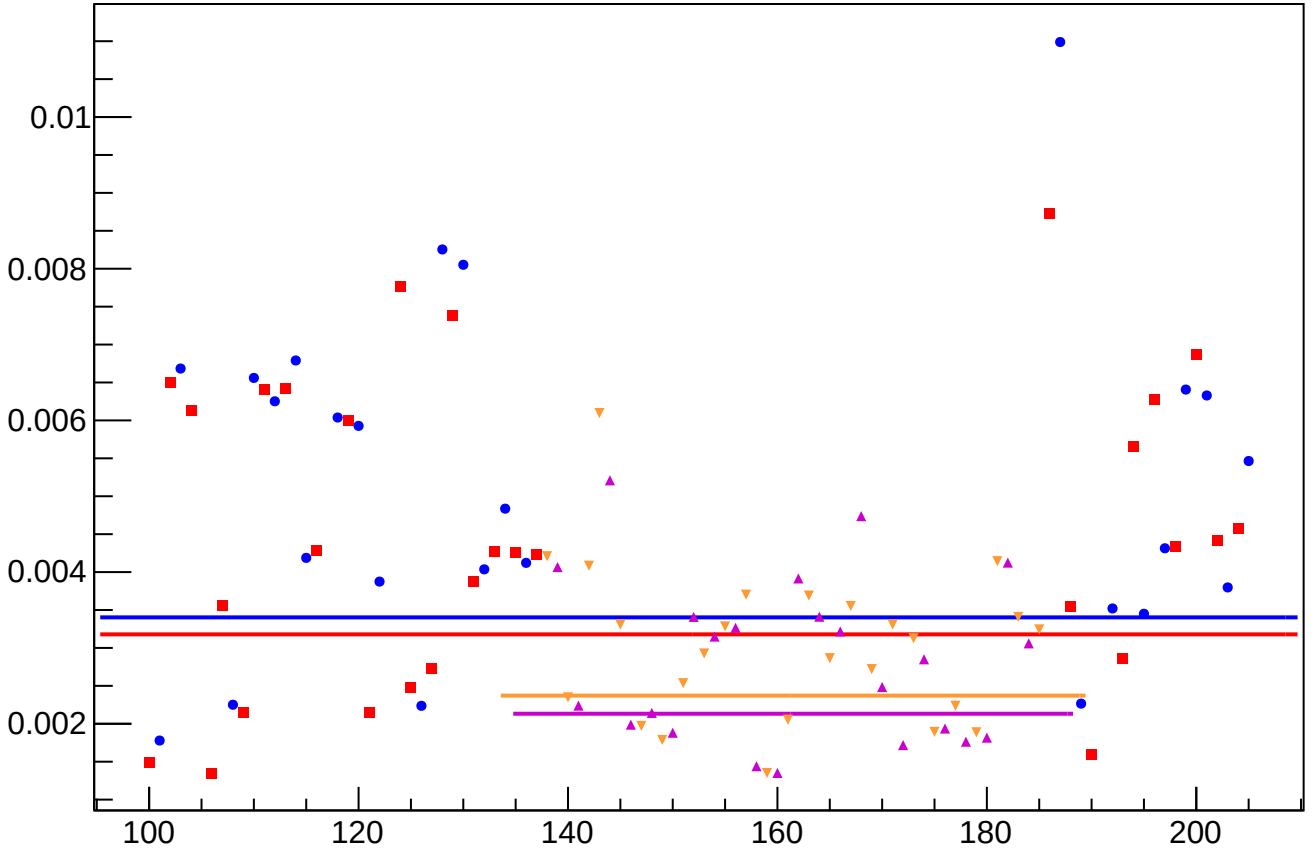
Right: -0.000+/-0.000 χ^2/NDF: 72.1/53

In: -0.000+/-0.000 χ^2/NDF:56.9/47

Out: -0.000+/-0.000 χ^2/NDF:66.7/53

All: -0.000+/-0.000 χ^2/NDF: 126.4/101

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4863184.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5985539.0/28

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

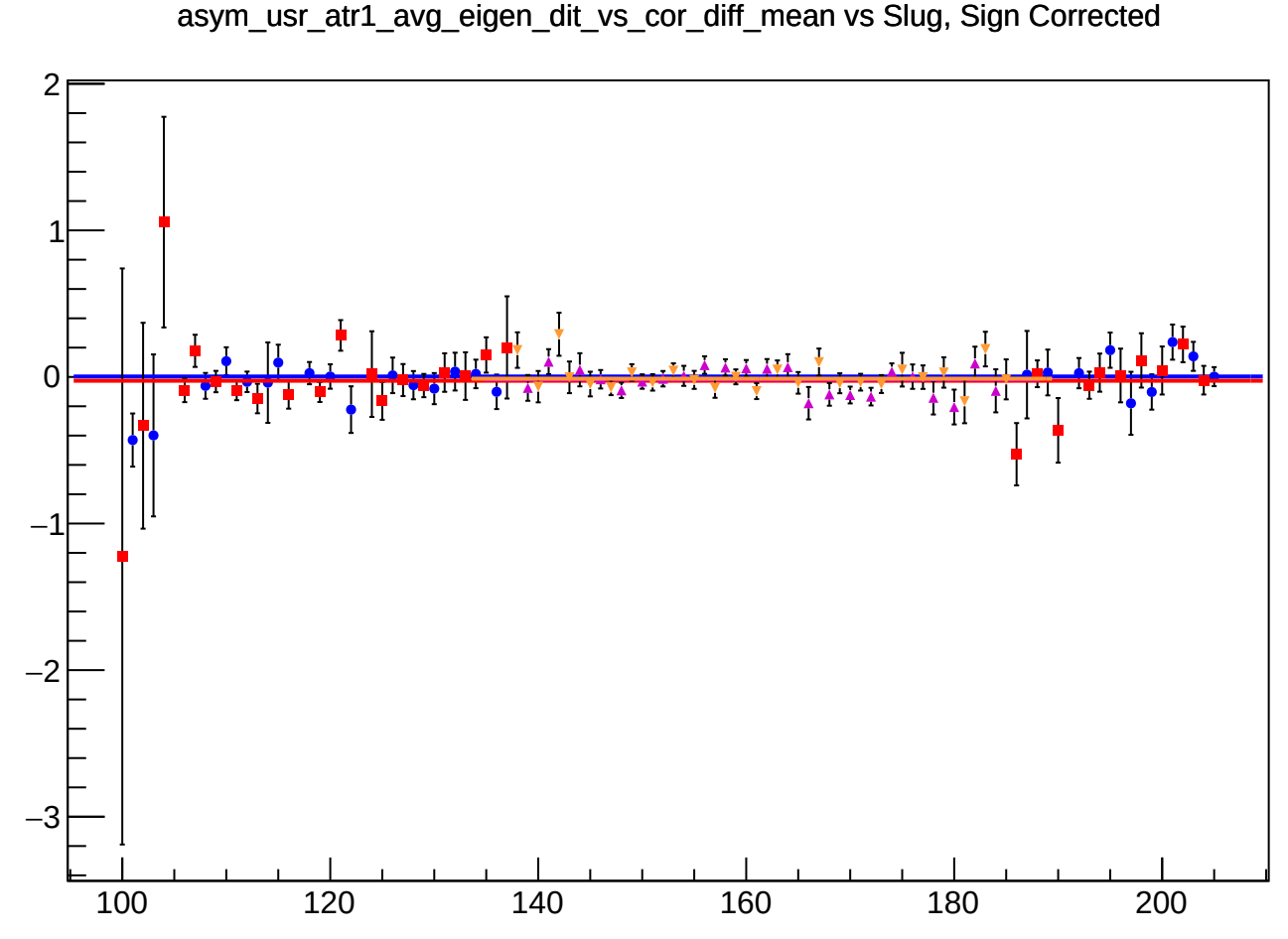
Left: 0.002+/-0.000 χ^2/NDF: 8864827.0/47

Right: 0.003+/-0.000 χ^2/NDF: 10900319.2/53

In: 0.002+/-0.000 χ^2/NDF:11816652.4/47

Out: 0.003+/-0.000 χ^2/NDF:11193207.8/53

All: 0.002+/-0.000 χ^2/NDF: 23149658.3/101



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.021 χ^2/NDF: 37.9/28

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

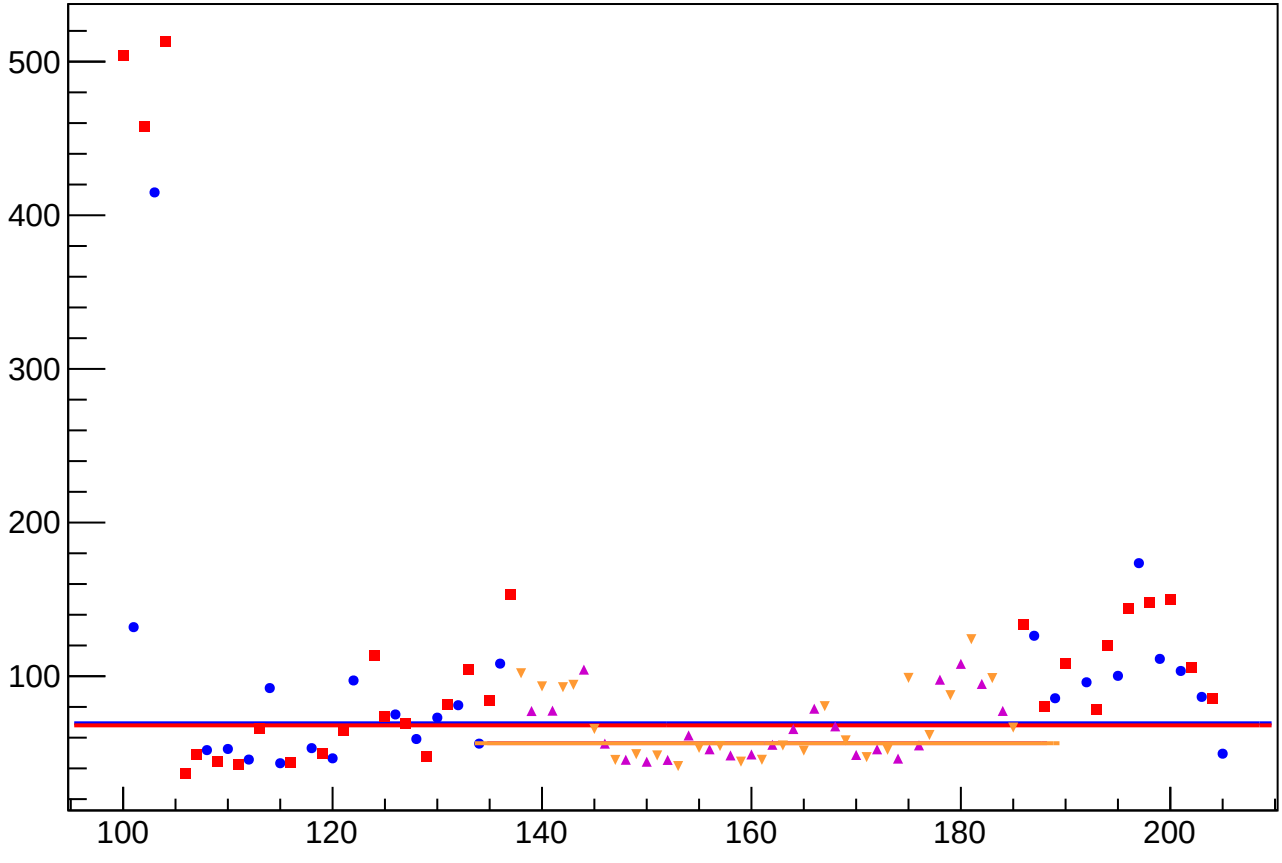
Right: -0.012+/-0.015 χ^2/NDF: 61.2/53

In: -0.011+/-0.012 χ^2/NDF:53.7/47

Out: -0.016+/-0.012 χ^2/NDF:60.0/53

All: -0.014+/-0.008 χ^2/NDF: 113.8/101

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.327+/-0.015 χ^2/NDF: 3577029.6/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 68.016+/-0.015 χ^2/NDF: 5187572.7/28

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

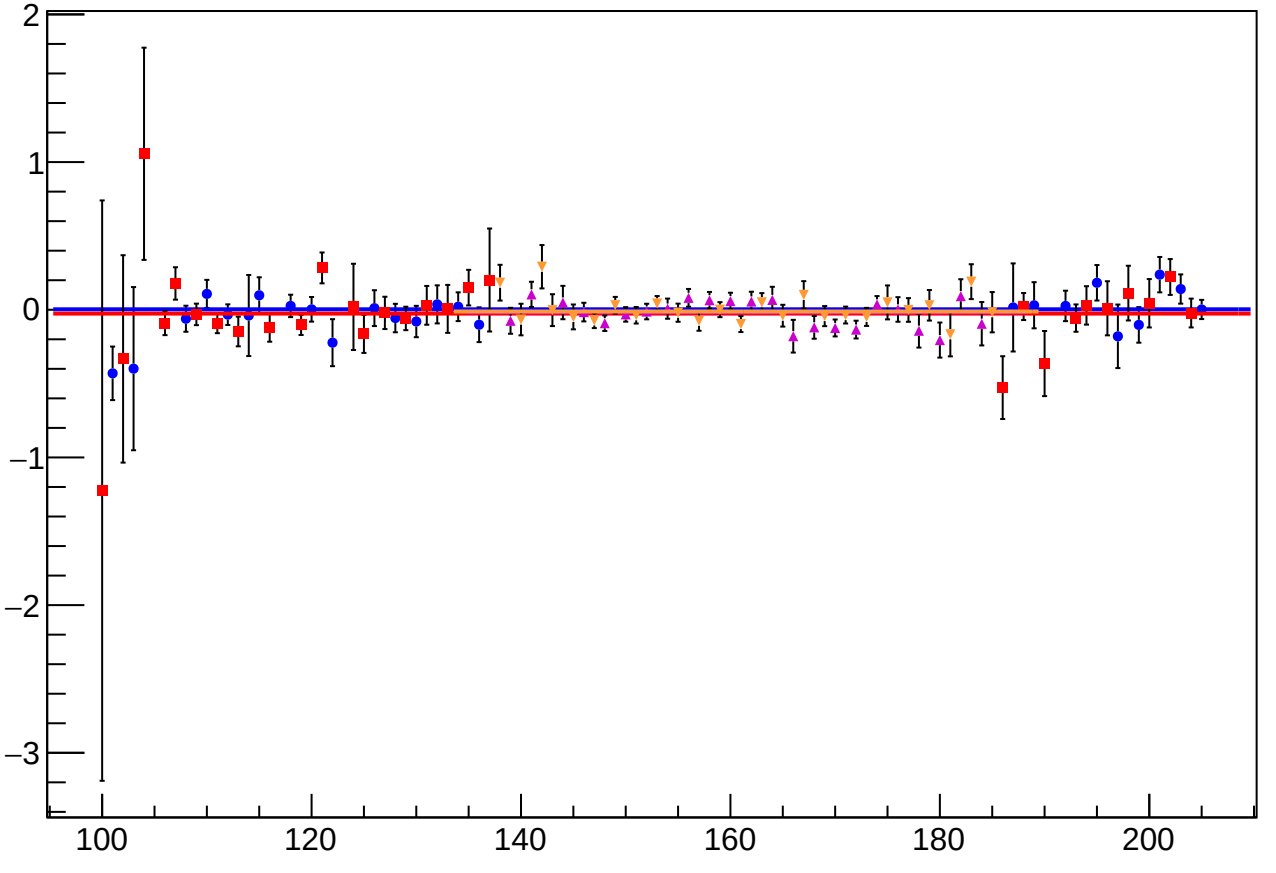
Right: 68.652+/-0.011 χ^2/NDF: 8768372.6/53

In: 60.443+/-0.009 χ^2/NDF:6204383.6/47

Out: 60.062+/-0.008 χ^2/NDF:8403908.9/53

All: 60.249+/-0.006 χ^2/NDF: 14609313.4/101

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: -0.026+/-0.021 χ^2/NDF: 37.9/28

Left In: -0.017+/-0.014 χ^2/NDF:30.6/22

Left: -0.014+/-0.010 χ^2/NDF: 52.5/47

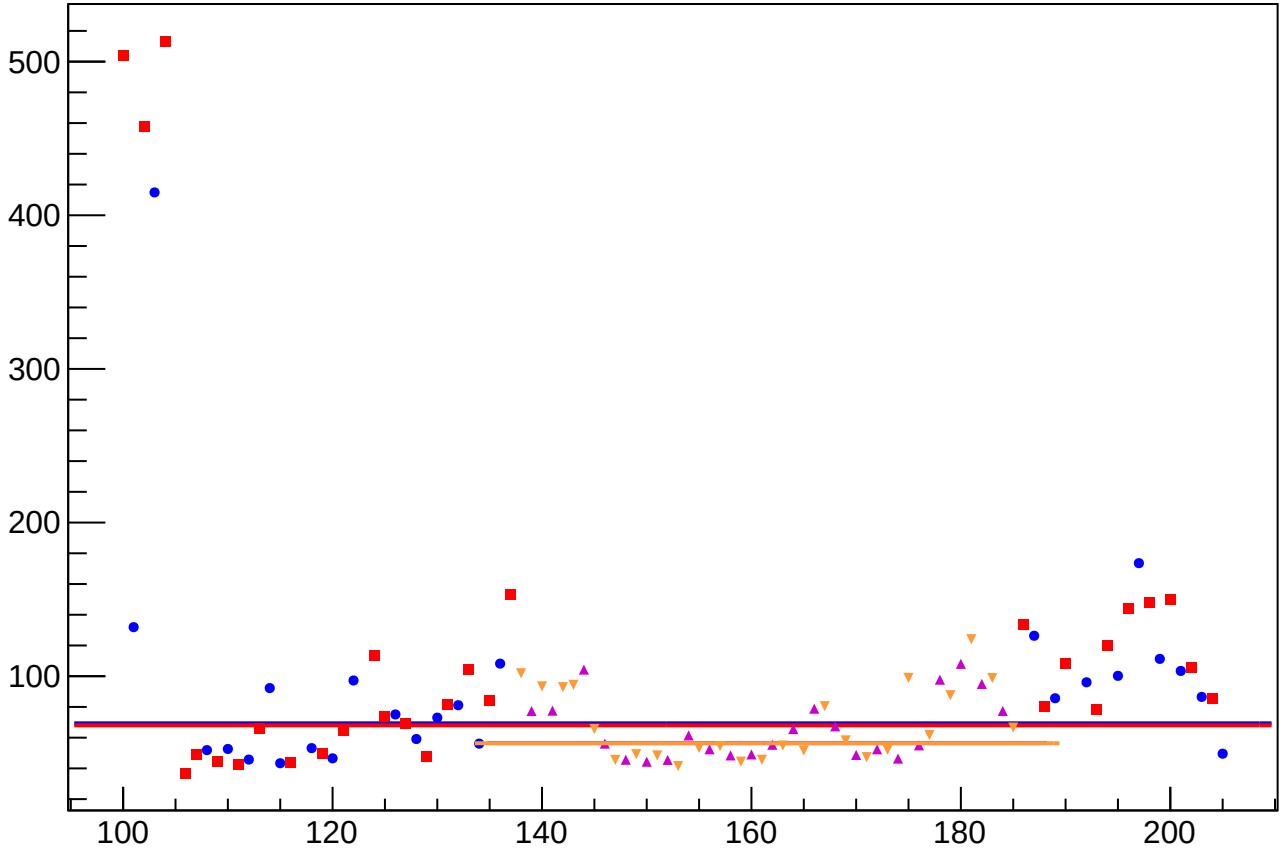
Right: -0.012+/-0.015 χ^2/NDF: 61.2/53

In: -0.011+/-0.012 χ^2/NDF:53.7/47

Out: -0.016+/-0.012 χ^2/NDF:60.0/53

All: -0.014+/-0.008 χ^2/NDF: 113.8/101

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 69.327+/-0.015 χ^2/NDF: 3577029.6/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

Right Out: 68.016+/-0.015 χ^2/NDF: 5187572.7/28

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

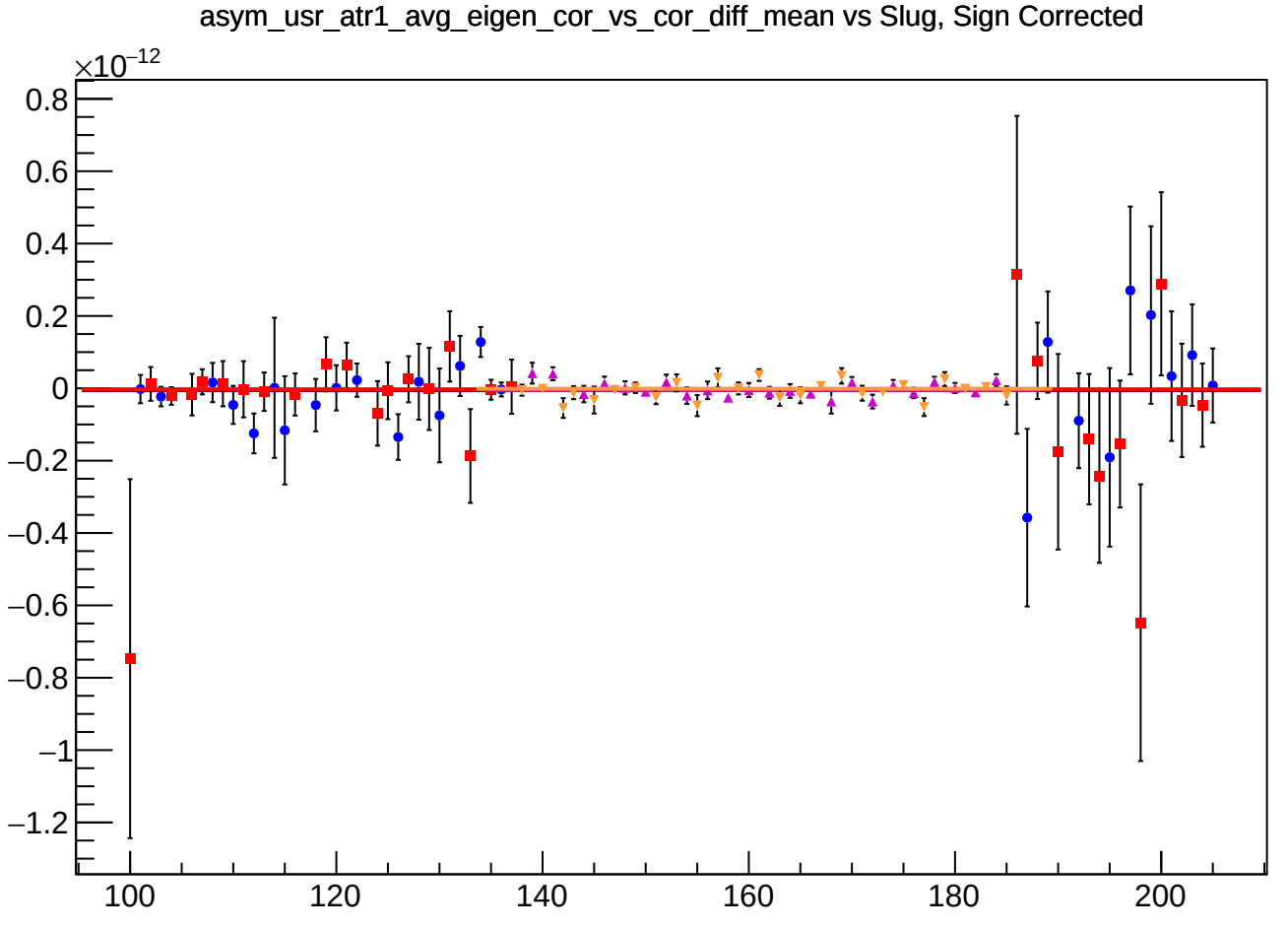
Left: 56.420+/-0.007 χ^2/NDF: 4937485.7/47

Right: 68.652+/-0.011 χ^2/NDF: 8768372.6/53

In: 60.443+/-0.009 χ^2/NDF:6204383.6/47

Out: 60.062+/-0.008 χ^2/NDF:8403908.9/53

All: 60.249+/-0.006 χ^2/NDF: 14609313.4/101



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 17.9/28

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

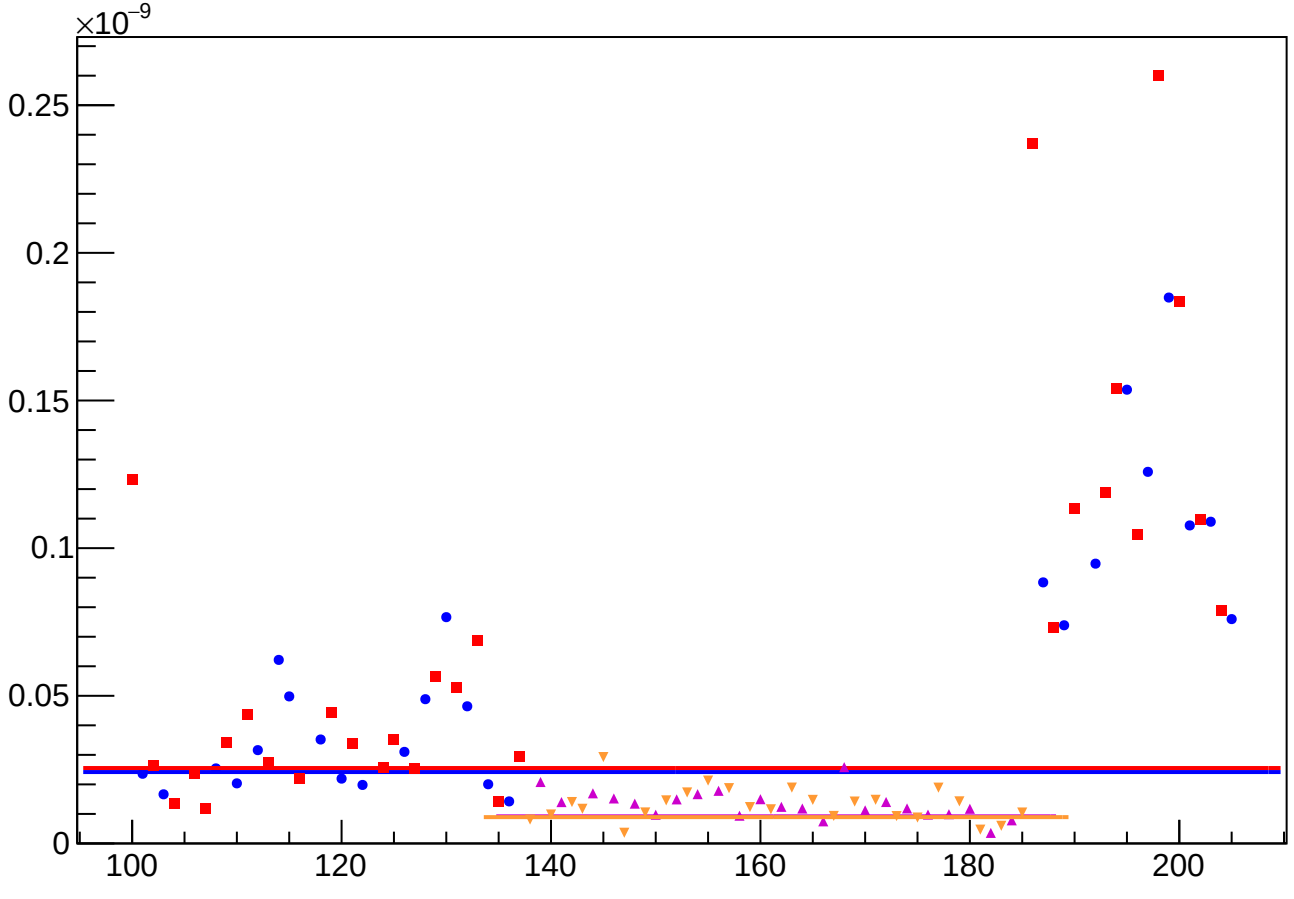
Left: -0.000+/-0.000 χ^2/NDF: 58.8/47

Right: -0.000+/-0.000 χ^2/NDF: 47.1/53

In: -0.000+/-0.000 χ^2/NDF:57.6/47

Out: -0.000+/-0.000 χ^2/NDF:47.5/53

All: -0.000+/-0.000 χ^2/NDF: 105.9/101



Right In: 0.000+/-0.000 χ^2/NDF: 6000362.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7237412.3/28

Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

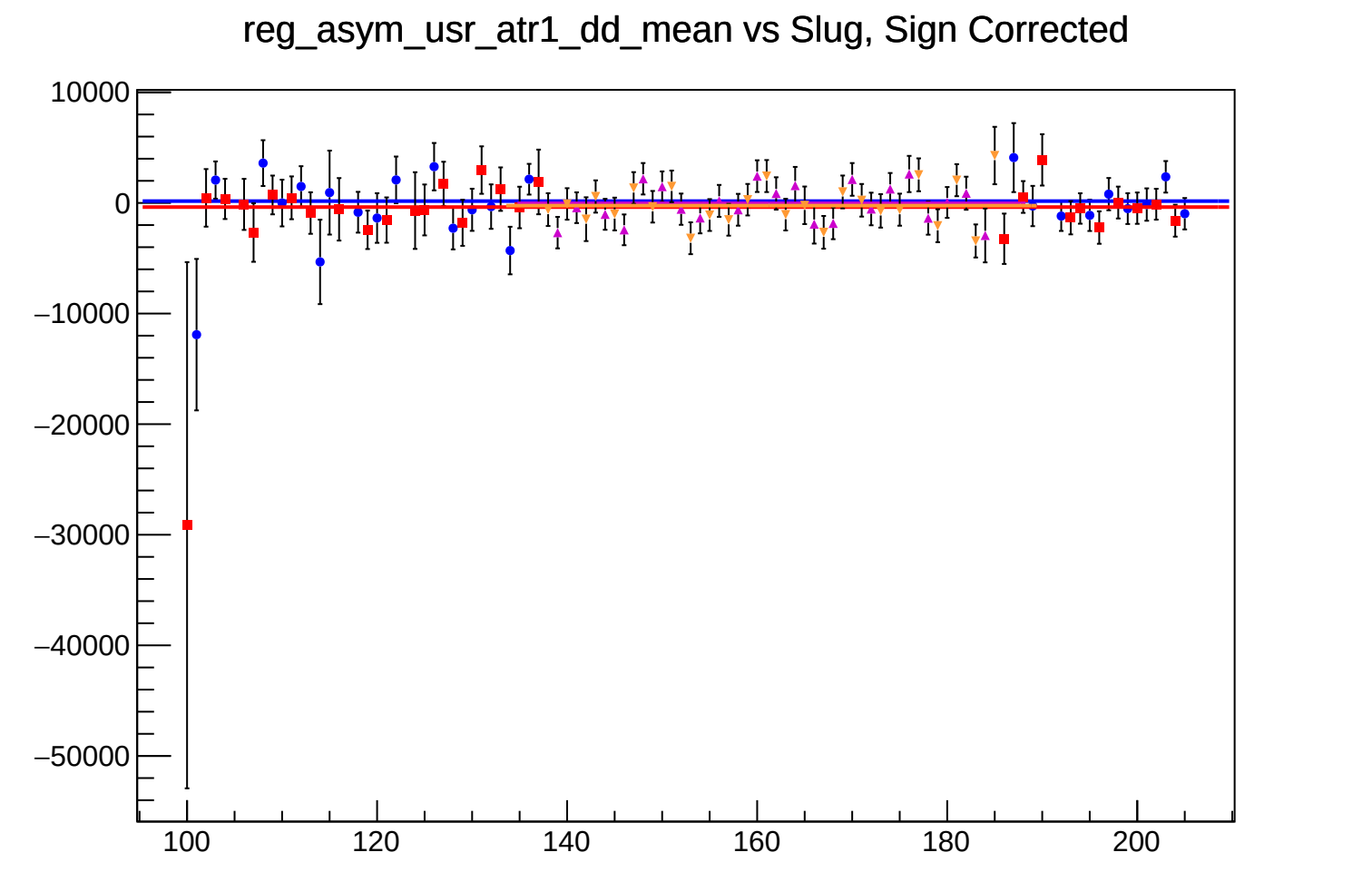
Left: 0.000+/-0.000 χ^2/NDF: 10139912.3/47

Right: 0.000+/-0.000 χ^2/NDF: 13252216.7/53

In: 0.000+/-0.000 χ^2/NDF:14516378.8/47

Out: 0.000+/-0.000 χ^2/NDF:16136034.6/53

All: 0.000+/-0.000 χ^2/NDF: 30664895.2/101



Right In: 166.529+/-362.147 χ^2/NDF: 28.7/24

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: -373.919+/-348.050 χ^2/NDF: 18.4/28

Left In: -39.122+/-308.622 χ^2/NDF:27.1/22

Left: -142.853+/-215.118 χ^2/NDF: 59.1/47

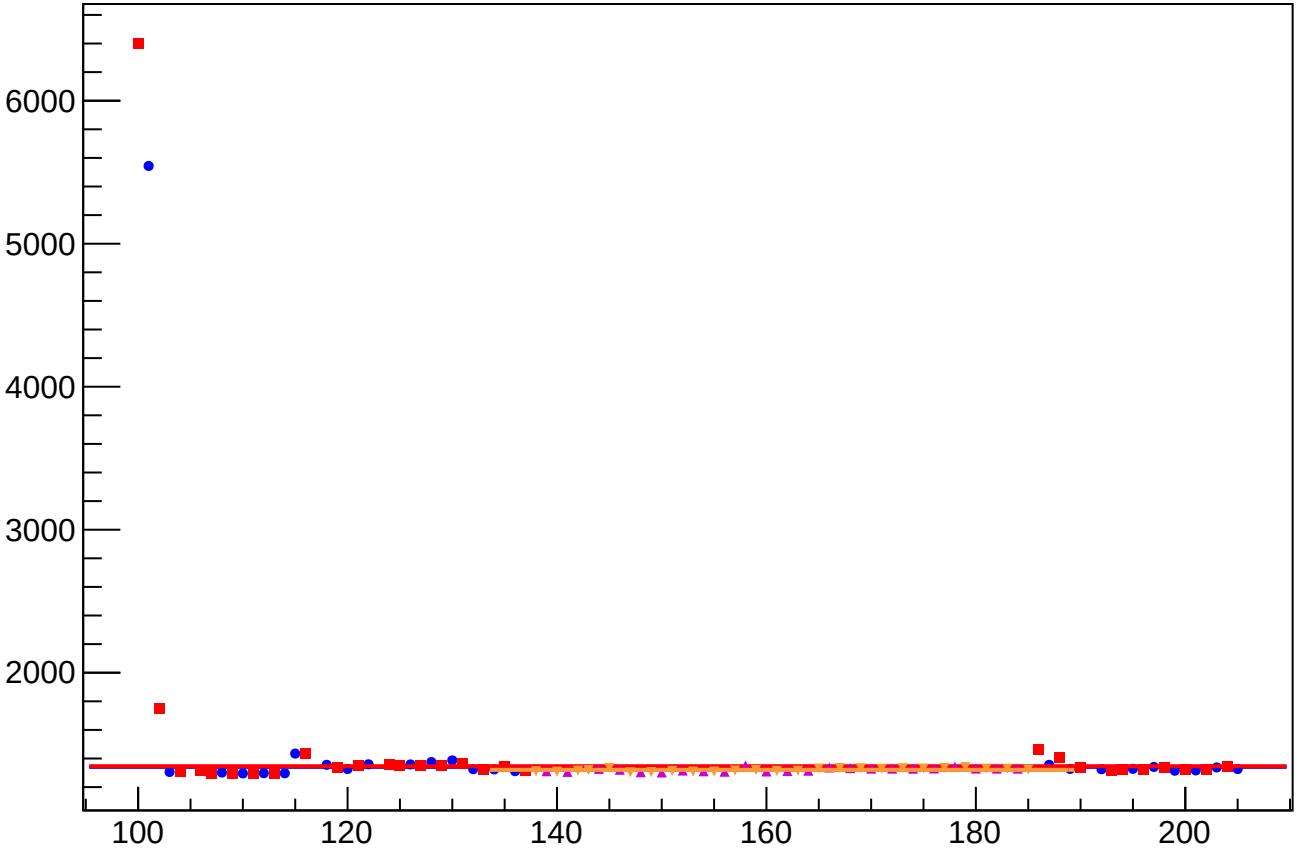
Right: -114.418+/-250.944 χ^2/NDF: 48.3/53

In: 47.397+/-234.896 χ^2/NDF:56.0/47

Out: -297.587+/-227.240 χ^2/NDF:50.3/53

All: -130.808+/-163.323 χ^2/NDF: 107.3/101

reg_asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1341.751+/-0.256 χ^2/NDF: 764111.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1345.809+/-0.246 χ^2/NDF: 159209.3/28

Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

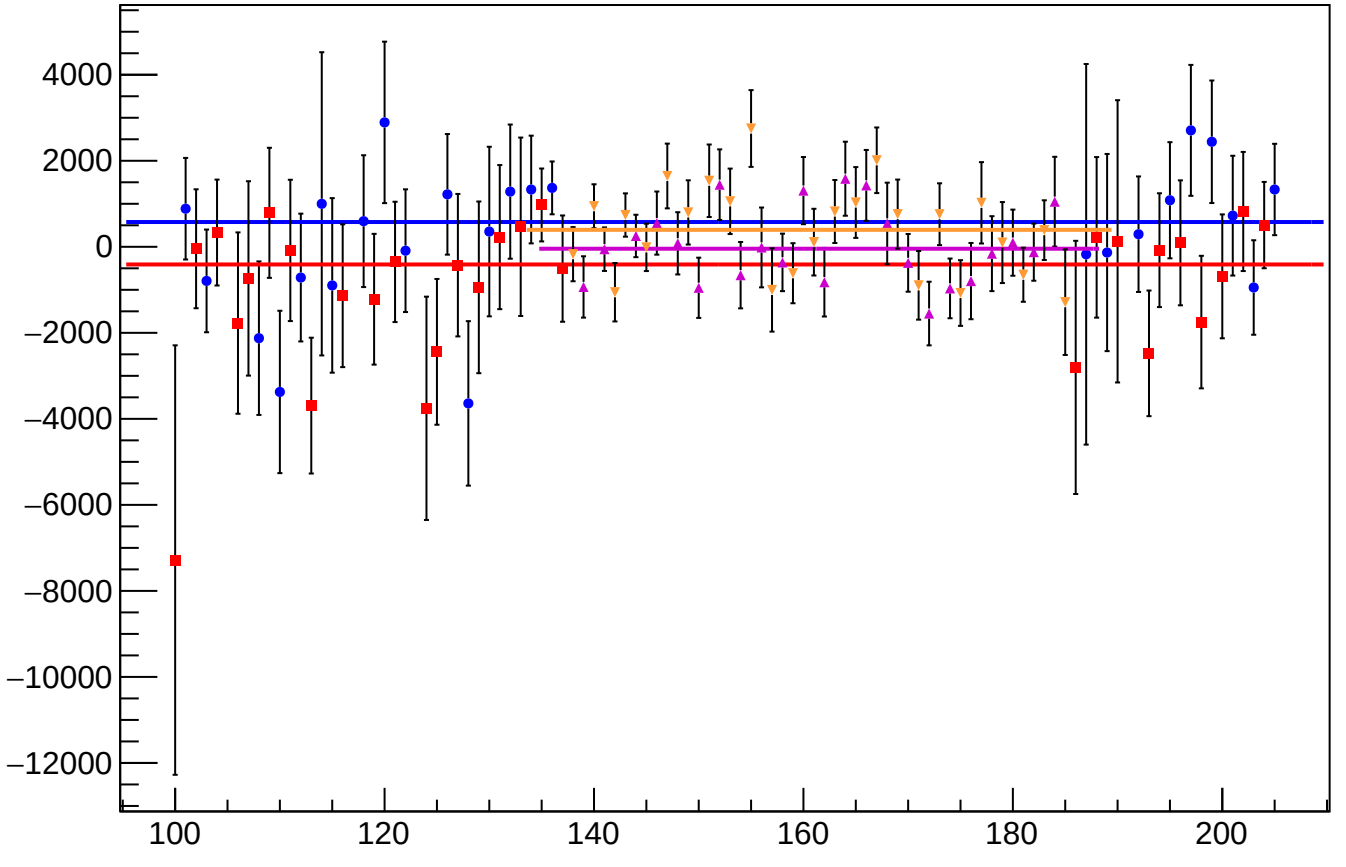
Right: 1343.860+/-0.177 χ^2/NDF: 923451.7/53

In: 1330.183+/-0.166 χ^2/NDF:771187.5/47

Out: 1331.426+/-0.161 χ^2/NDF:167764.3/53

All: 1330.825+/-0.115 χ^2/NDF: 938980.8/101

asym_usr_atr1_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 576.113+/-274.935 χ^2/NDF: 24.8/24

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: -410.672+/-284.718 χ^2/NDF: 19.8/28

Left In: -44.777+/-152.333 χ^2/NDF:27.6/22

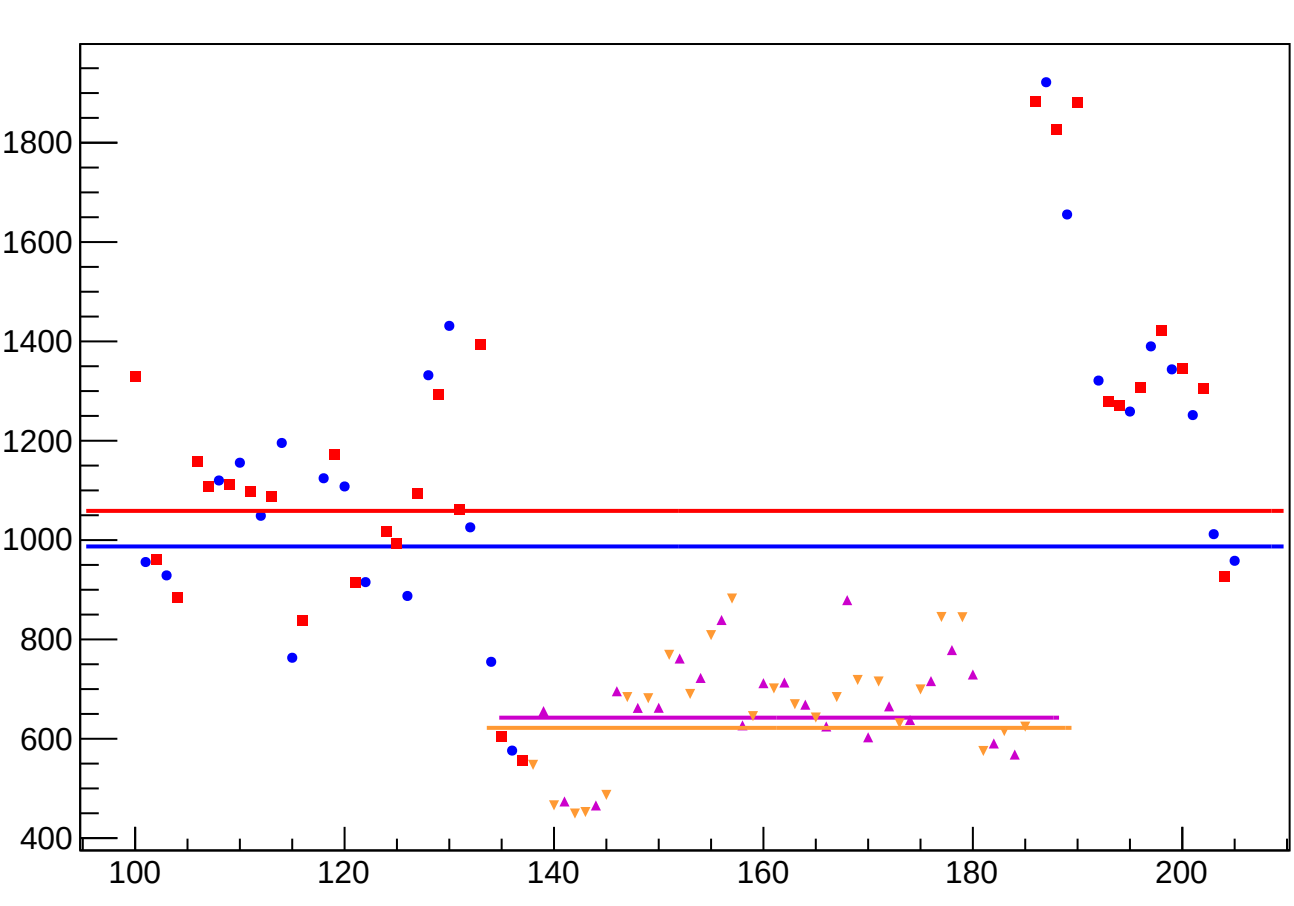
Left: 186.377+/-104.860 χ^2/NDF: 73.8/47

Right: 99.964+/-197.776 χ^2/NDF: 50.9/53

In: 101.060+/-133.247 χ^2/NDF:56.3/47

Out: 229.512+/-128.899 χ^2/NDF:68.0/53

All: 167.416+/-92.644 χ^2/NDF: 124.8/101



Right In: 987.162+/-0.194 χ^2/NDF: 2043541.7/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1058.781+/-0.201 χ^2/NDF: 2188705.2/28

Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

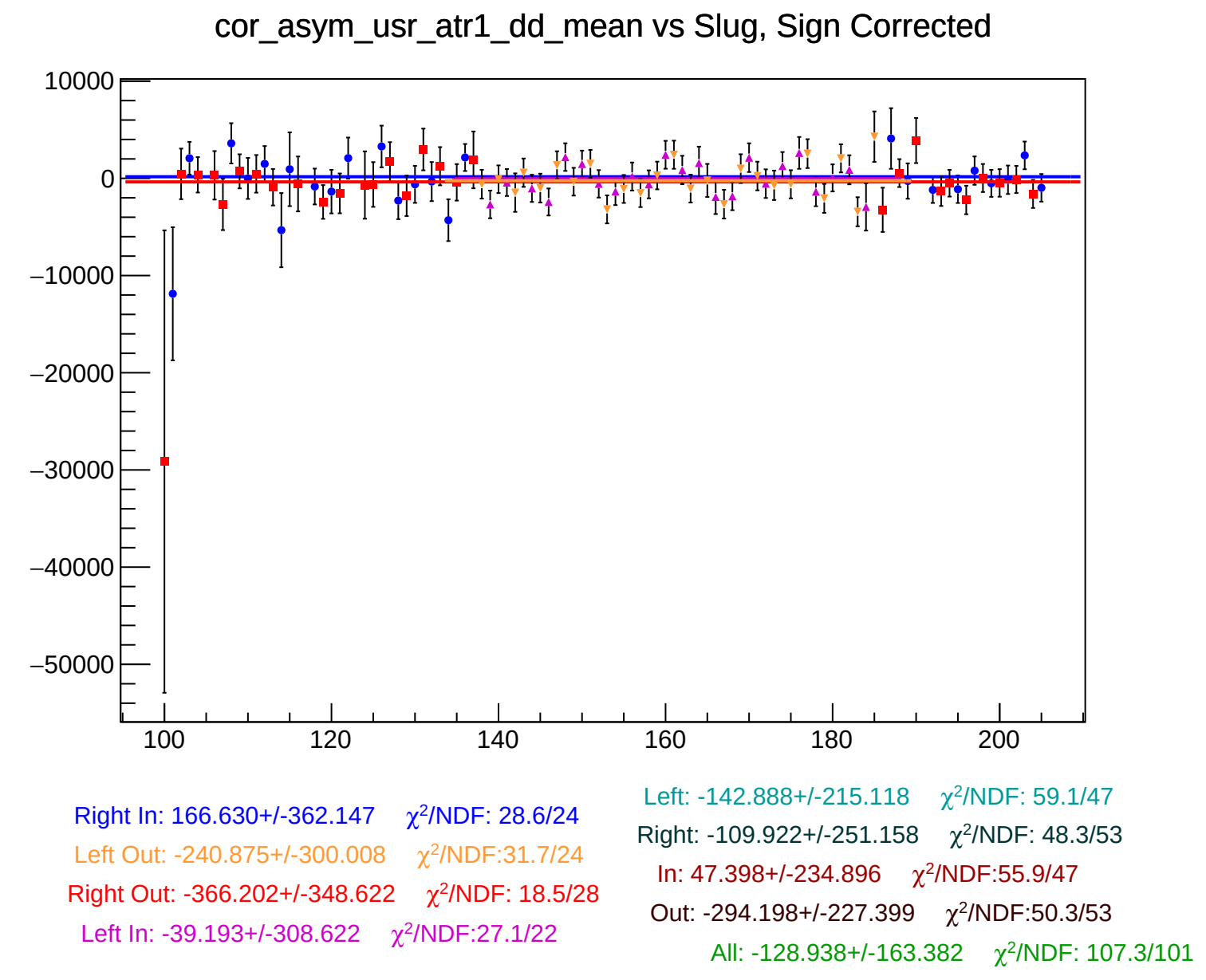
Left: 631.673+/-0.074 χ^2/NDF: 2328898.3/47

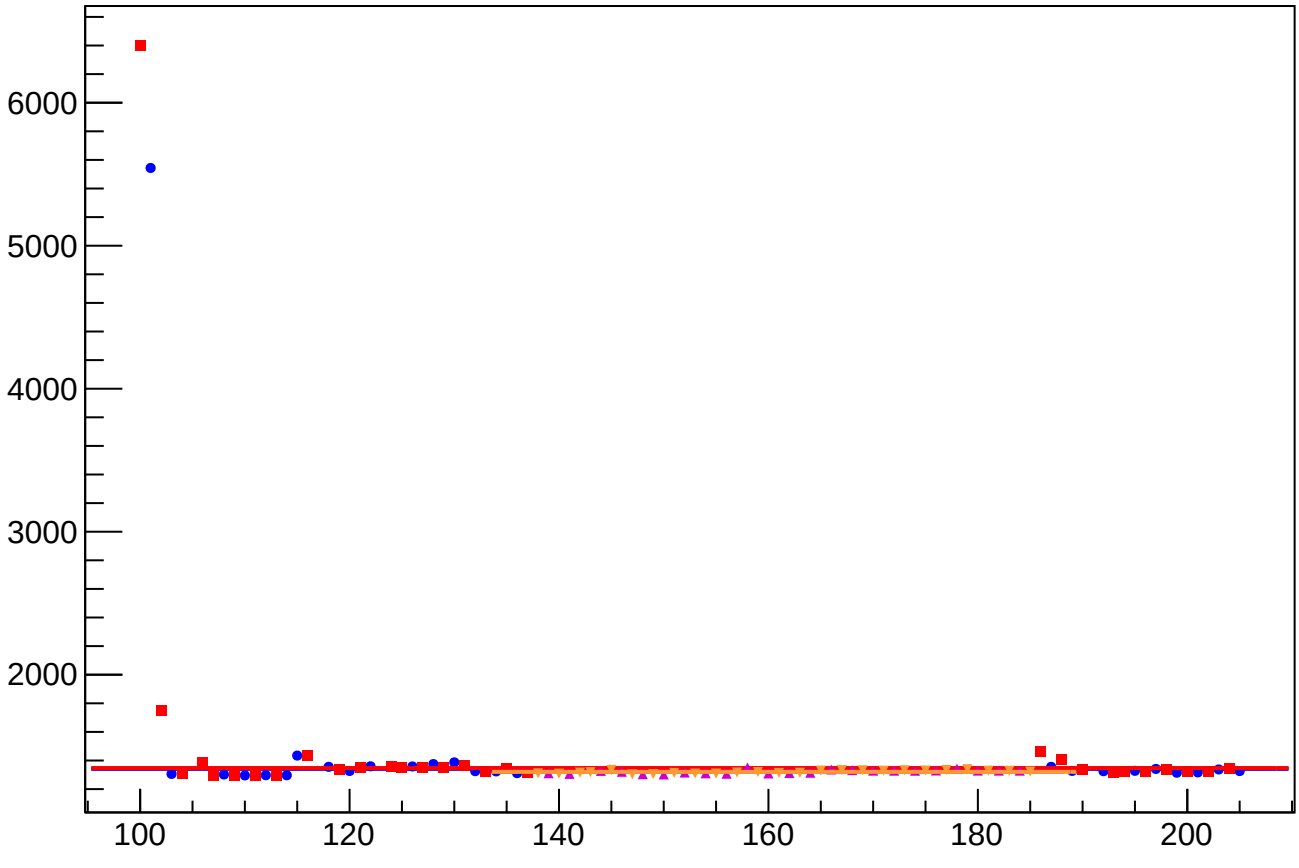
Right: 1021.720+/-0.140 χ^2/NDF: 4297731.9/53

In: 723.433+/-0.094 χ^2/NDF:5375118.8/47

Out: 711.483+/-0.091 χ^2/NDF:7315151.5/53

All: 717.260+/-0.066 χ^2/NDF: 12698580.2/10


cor_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 166.630+/-362.147 χ²/NDF: 28.6/24
Left Out: -240.875+/-300.008 χ²/NDF:31.7/24
Right Out: -366.202+/-348.622 χ²/NDF: 18.5/28
Left In: -39.193+/-308.622 χ²/NDF:27.1/22
Left: -142.888+/-215.118 χ²/NDF: 59.1/47
Right: -109.922+/-251.158 χ²/NDF: 48.3/53
In: 47.398+/-234.896 χ²/NDF:55.9/47
Out: -294.198+/-227.399 χ²/NDF:50.3/53
All: -128.938+/-163.382 χ²/NDF: 107.3/101



Right In: 1341.751+/-0.256 χ^2/NDF: 764110.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.294+/-0.247 χ^2/NDF: 159465.7/28

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

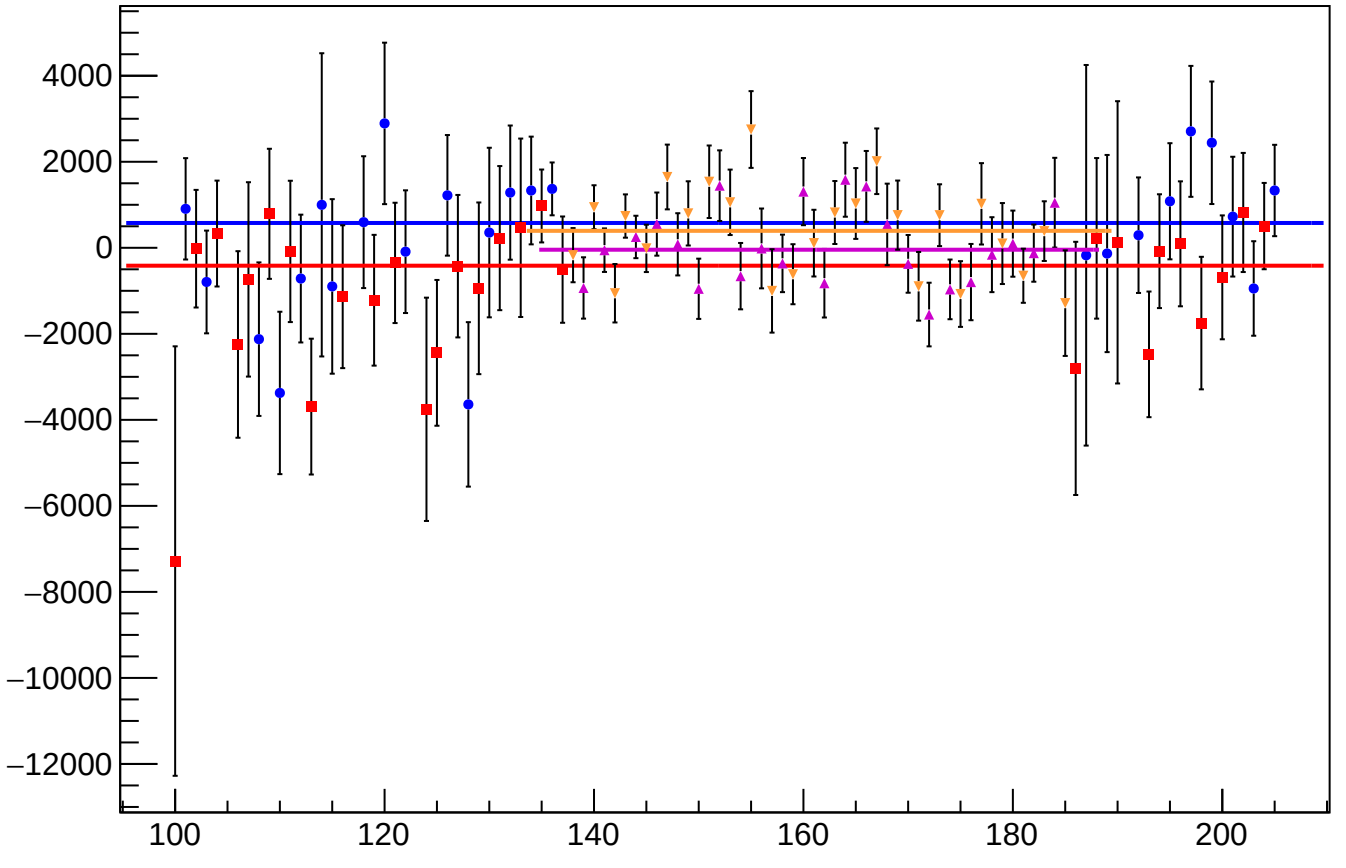
Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

Right: 1344.628+/-0.178 χ^2/NDF: 923819.8/53

In: 1330.183+/-0.166 χ^2/NDF:771186.5/47

Out: 1332.038+/-0.161 χ^2/NDF:168734.1/53

All: 1331.141+/-0.116 χ^2/NDF: 939985.0/101



Right In: 577.261+/-274.905 χ^2/NDF: 24.9/24

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -416.109+/-284.720 χ^2/NDF: 20.1/28

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

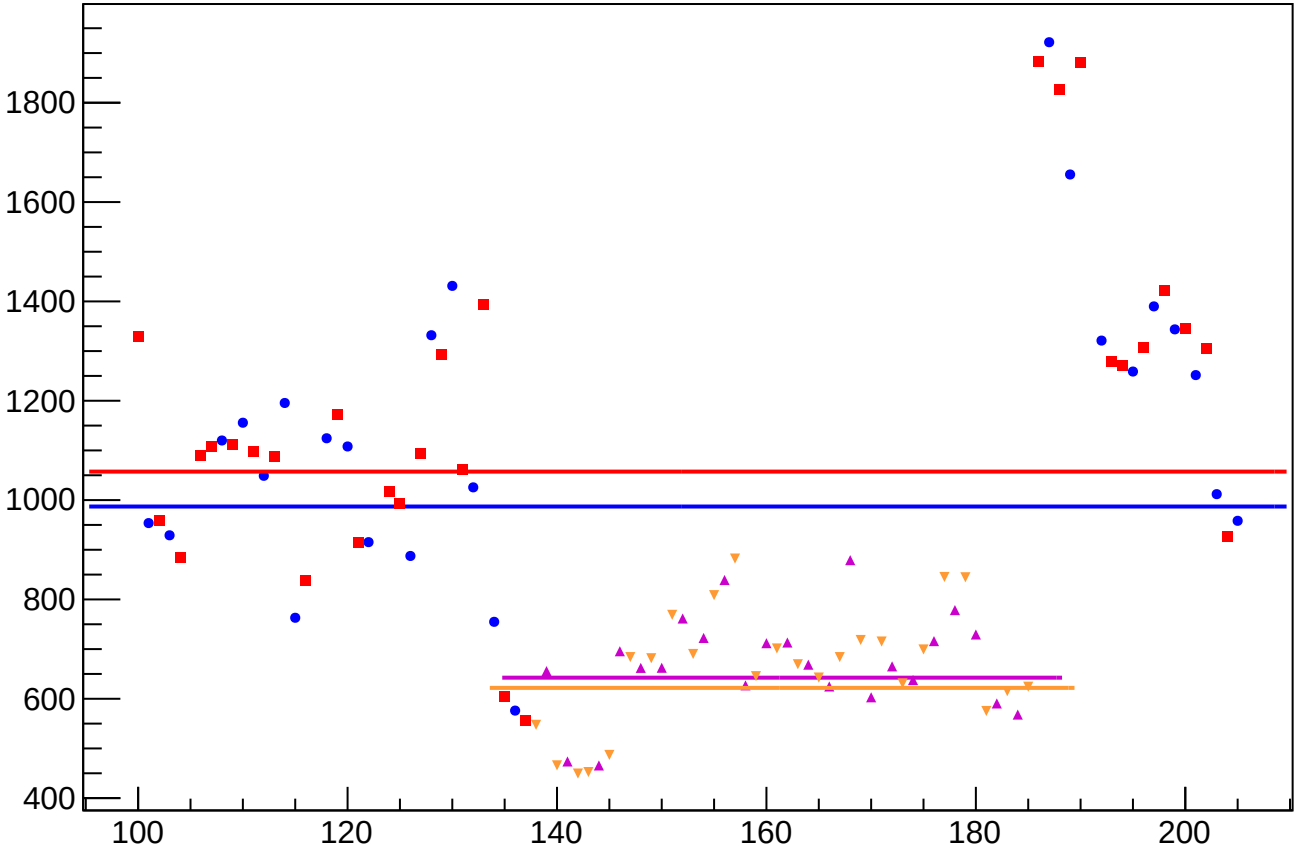
Right: 97.993+/-197.766 χ^2/NDF: 51.3/53

In: 101.361+/-133.243 χ^2/NDF:56.4/47

Out: 228.378+/-128.899 χ^2/NDF:68.4/53

All: 166.974+/-92.643 χ^2/NDF: 125.2/101

asym_usr_atr1_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 987.055+/-0.194 χ^2/NDF: 2043658.8/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.353+/-0.201 χ^2/NDF: 2185280.3/28

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

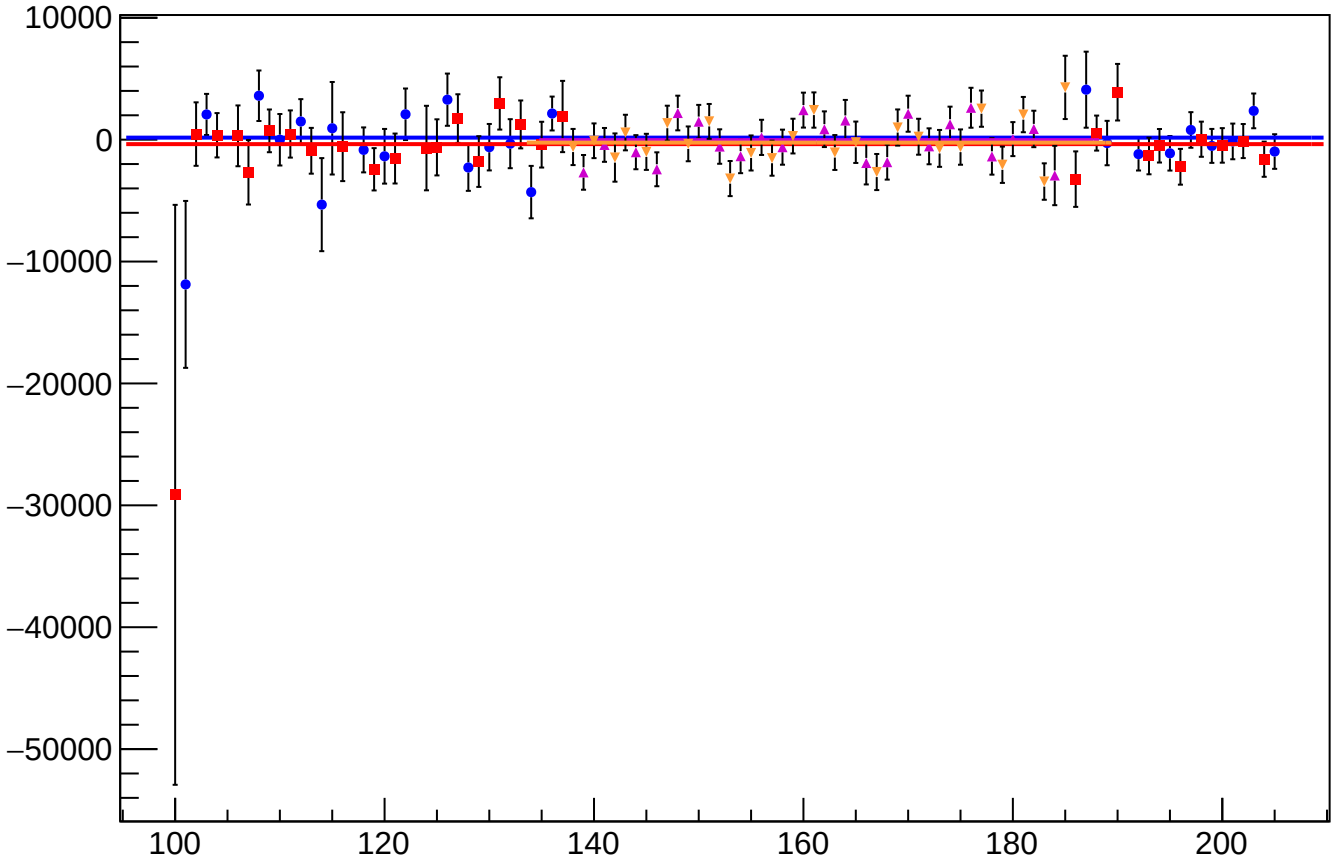
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

Right: 1020.971+/-0.140 χ^2/NDF: 4292036.2/53

In: 723.417+/-0.094 χ^2/NDF:5374267.7/47

Out: 711.189+/-0.091 χ^2/NDF:7287147.9/53

All: 717.100+/-0.066 χ^2/NDF: 12670116.9/10



Right In: 166.630+/-362.147 χ^2/NDF: 28.6/24

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: -366.202+/-348.622 χ^2/NDF: 18.5/28

Left In: -39.193+/-308.622 χ^2/NDF:27.1/22

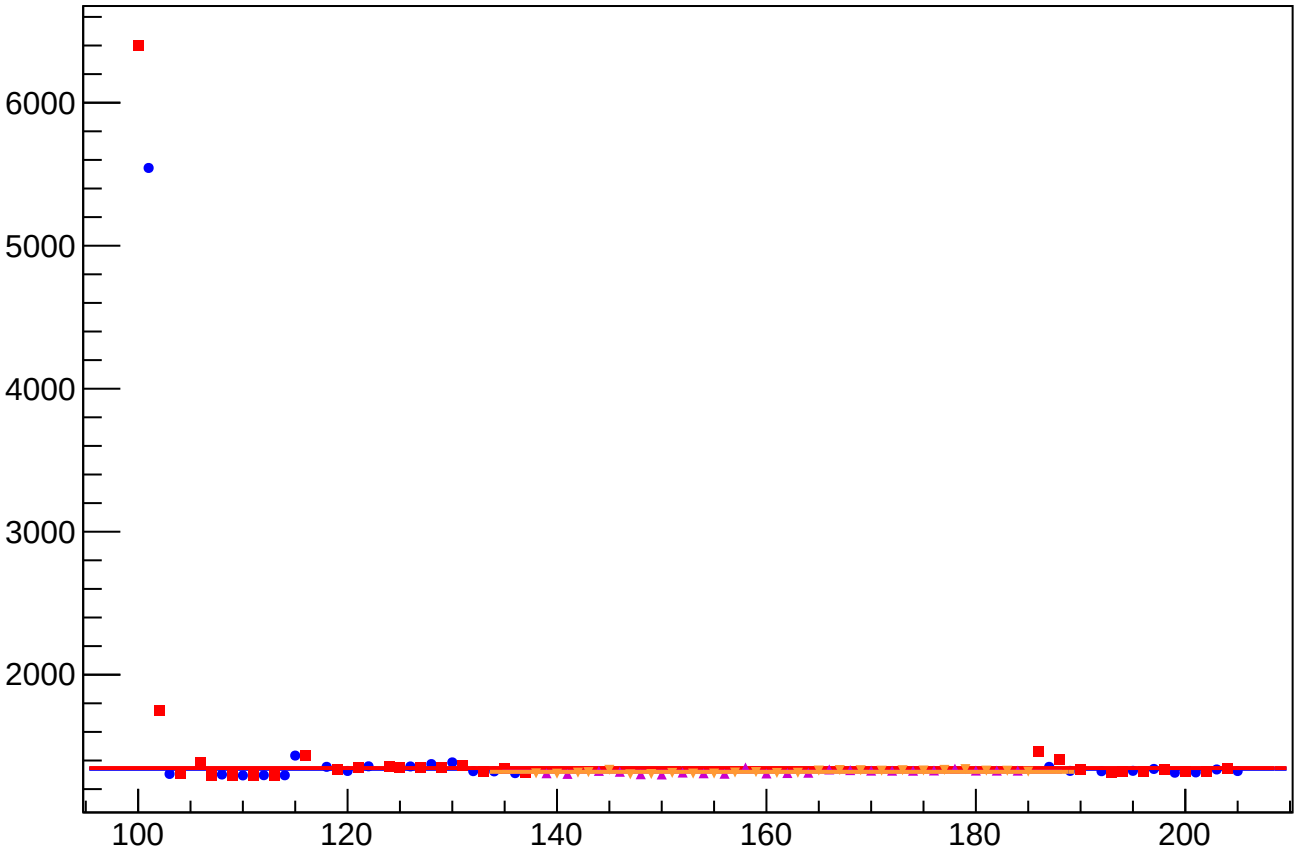
Left: -142.888+/-215.118 χ^2/NDF: 59.1/47

Right: -109.922+/-251.158 χ^2/NDF: 48.3/53

In: 47.398+/-234.896 χ^2/NDF:55.9/47

Out: -294.198+/-227.399 χ^2/NDF:50.3/53

All: -128.938+/-163.382 χ^2/NDF: 107.3/101



Right In: 1341.751+/-0.256 χ^2/NDF: 764110.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1347.294+/-0.247 χ^2/NDF: 159465.7/28

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

Left: 1321.247+/-0.152 χ^2/NDF: 6167.3/47

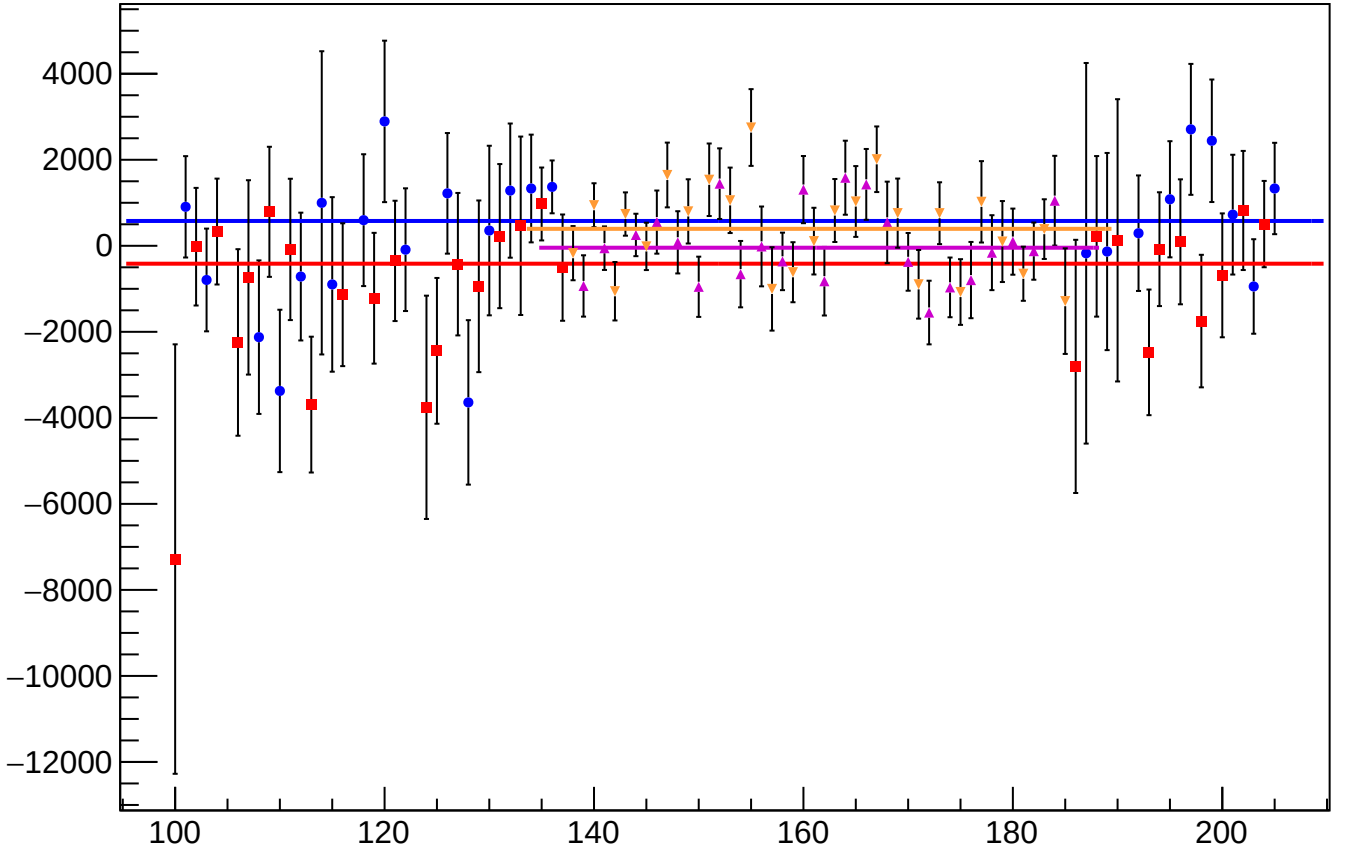
Right: 1344.628+/-0.178 χ^2/NDF: 923819.8/53

In: 1330.183+/-0.166 χ^2/NDF:771186.5/47

Out: 1332.038+/-0.161 χ^2/NDF:168734.1/53

All: 1331.141+/-0.116 χ^2/NDF: 939985.0/101

asym_usr_atr1_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 577.261+/-274.905 χ^2/NDF: 24.9/24

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: -416.109+/-284.720 χ^2/NDF: 20.1/28

Left In: -44.766+/-152.332 χ^2/NDF:27.6/22

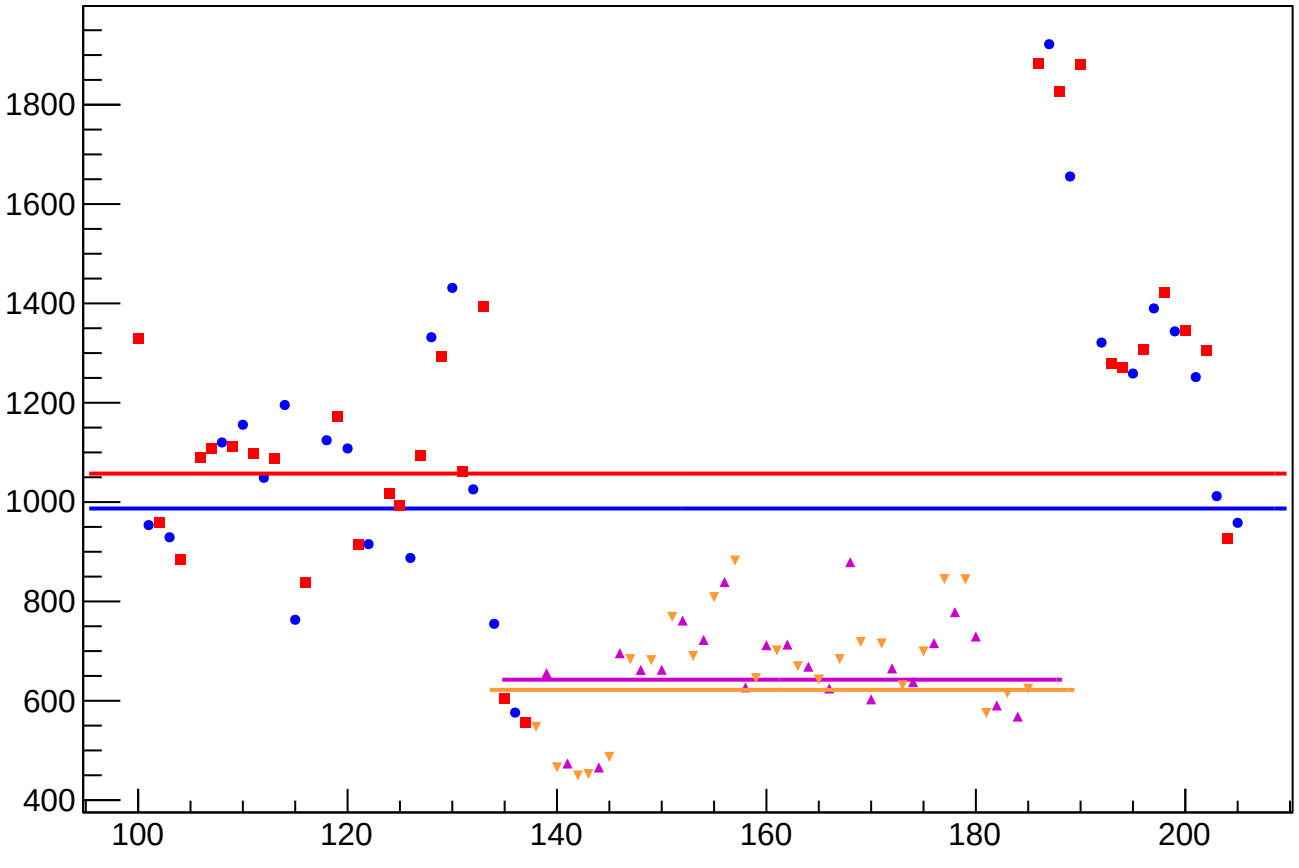
Left: 186.367+/-104.860 χ^2/NDF: 73.8/47

Right: 97.993+/-197.766 χ^2/NDF: 51.3/53

In: 101.361+/-133.243 χ^2/NDF:56.4/47

Out: 228.378+/-128.899 χ^2/NDF:68.4/53

All: 166.974+/-92.643 χ^2/NDF: 125.2/101



Right In: 987.055+/-0.194 χ^2/NDF: 2043658.8/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1057.353+/-0.201 χ^2/NDF: 2185280.3/28

Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

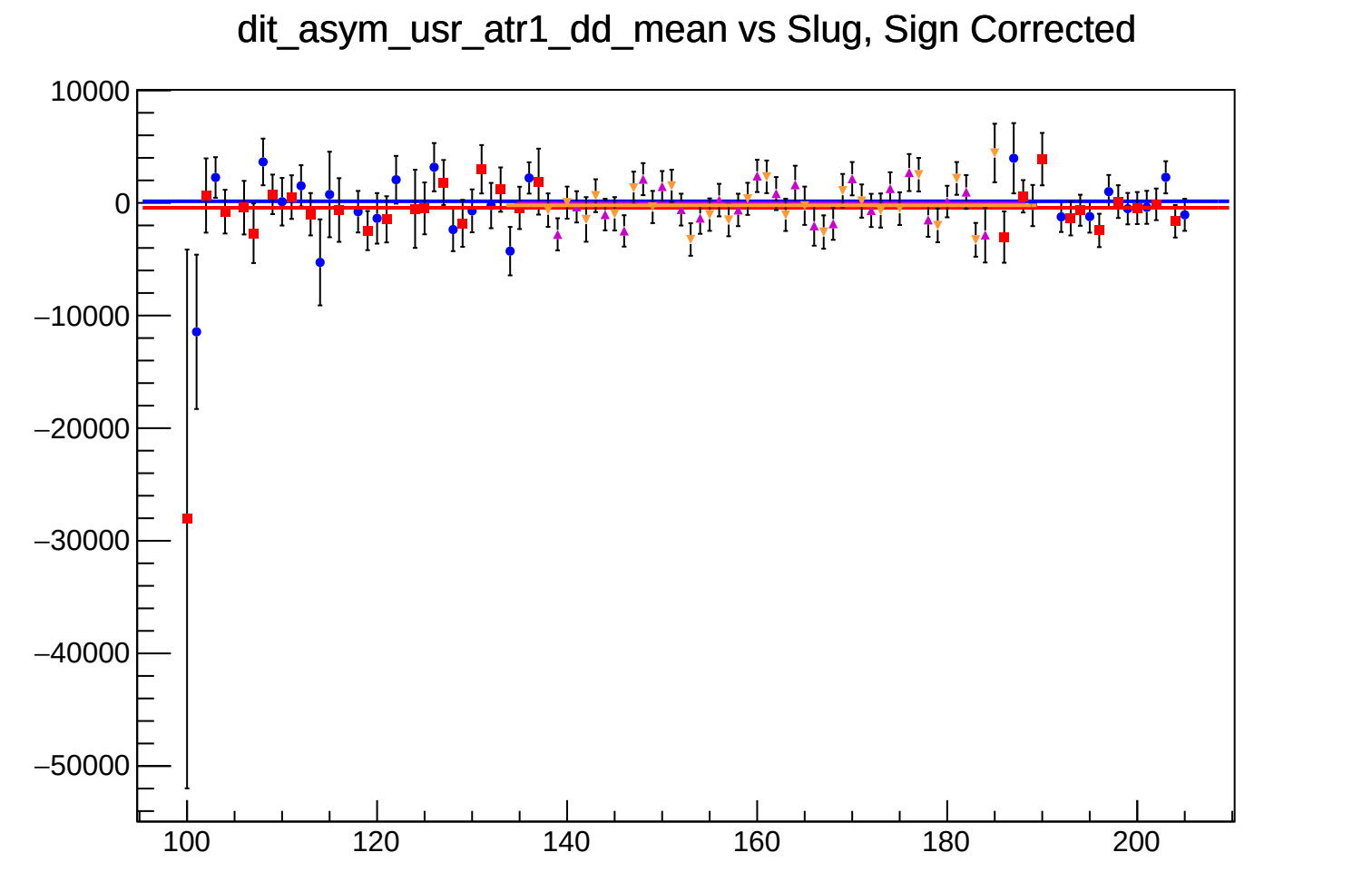
Left: 631.671+/-0.074 χ^2/NDF: 2328835.4/47

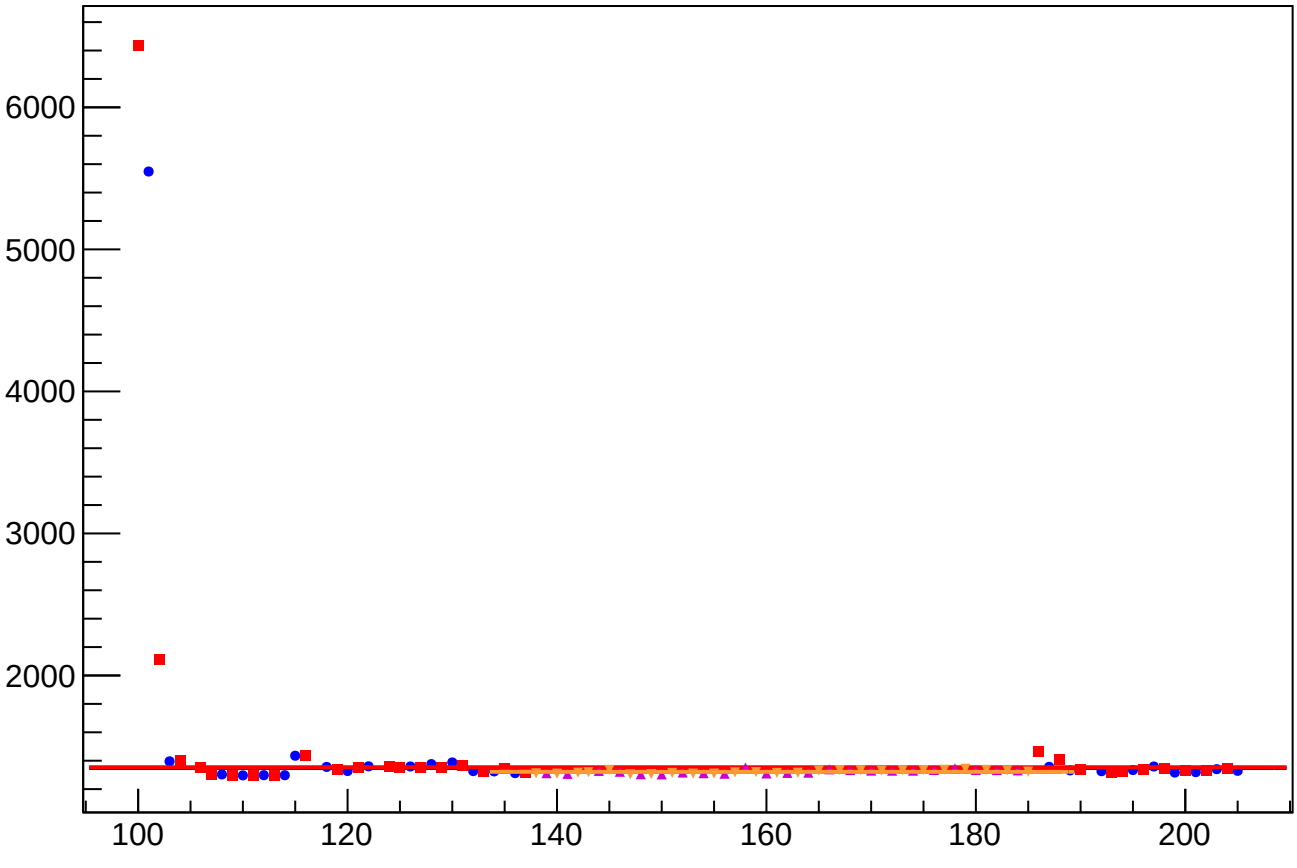
Right: 1020.971+/-0.140 χ^2/NDF: 4292036.2/53

In: 723.417+/-0.094 χ^2/NDF:5374267.7/47

Out: 711.189+/-0.091 χ^2/NDF:7287147.9/53

All: 717.100+/-0.066 χ^2/NDF: 12670116.9/10


dit_asym_usr_atr1_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: 144.586+/-363.970 χ²/NDF: 28.7/24
Left Out: -215.033+/-300.379 χ²/NDF:31.3/24
Right Out: -432.607+/-351.025 χ²/NDF: 18.5/28
Left In: -50.244+/-308.986 χ²/NDF:27.8/22
Left: -134.966+/-215.379 χ²/NDF: 59.2/47
Right: -154.457+/-252.664 χ²/NDF: 48.6/53
In: 31.358+/-235.553 χ²/NDF:56.7/47
Out: -307.006+/-228.225 χ²/NDF:50.0/53
All: -143.169+/-163.909 χ²/NDF: 107.8/101



Right In: 1348.469+/-0.257 χ^2/NDF: 764322.5/24

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1353.978+/-0.248 χ^2/NDF: 217283.0/28

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

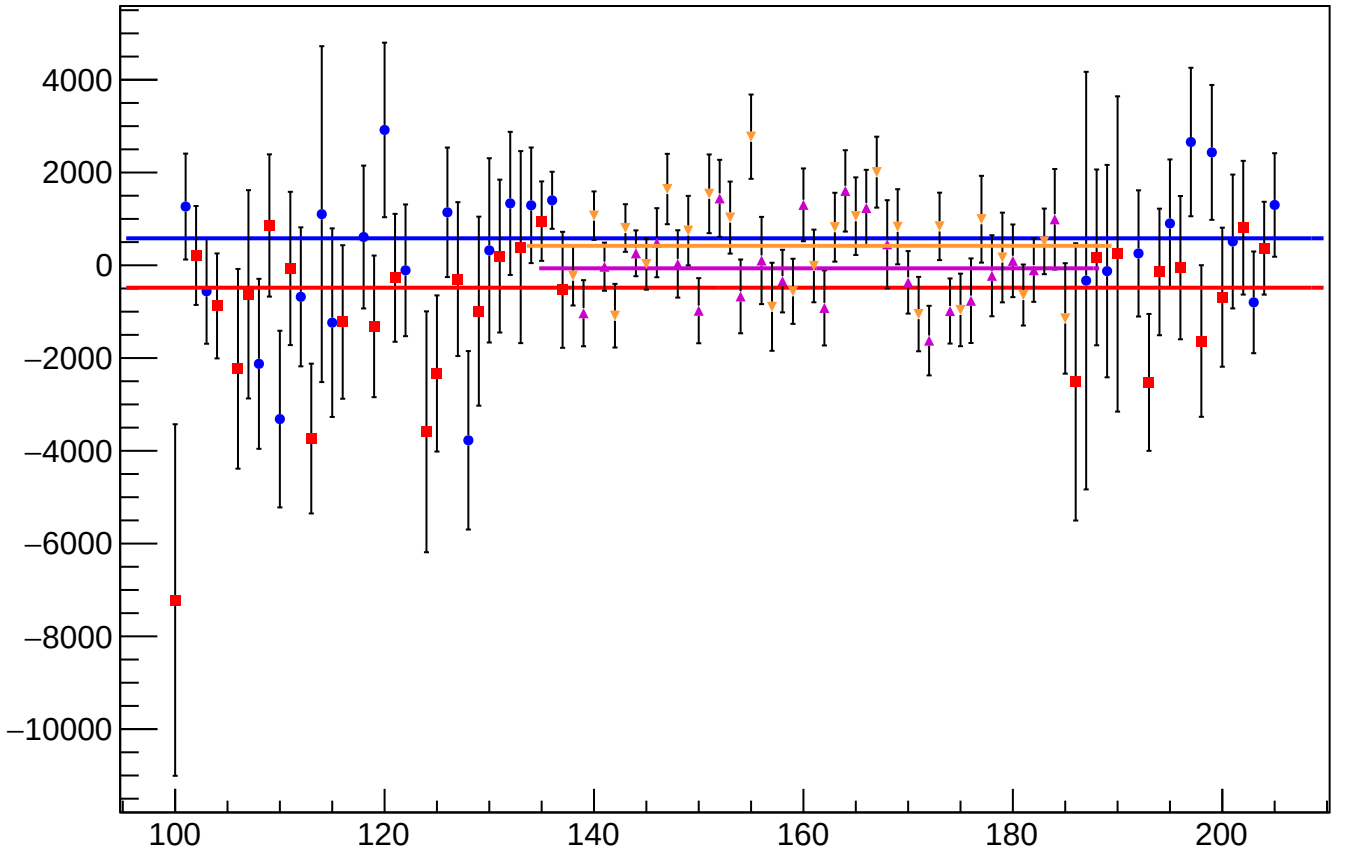
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

Right: 1351.323+/-0.179 χ^2/NDF: 981842.9/53

In: 1333.863+/-0.167 χ^2/NDF:773720.5/47

Out: 1335.730+/-0.161 χ^2/NDF:229576.7/53

All: 1334.826+/-0.116 χ^2/NDF: 1003361.9/10



Right In: 581.738+/-276.130 χ^2/NDF: 24.3/24

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: -483.206+/-282.402 χ^2/NDF: 20.4/28

Left In: -65.405+/-154.224 χ^2/NDF:27.0/22

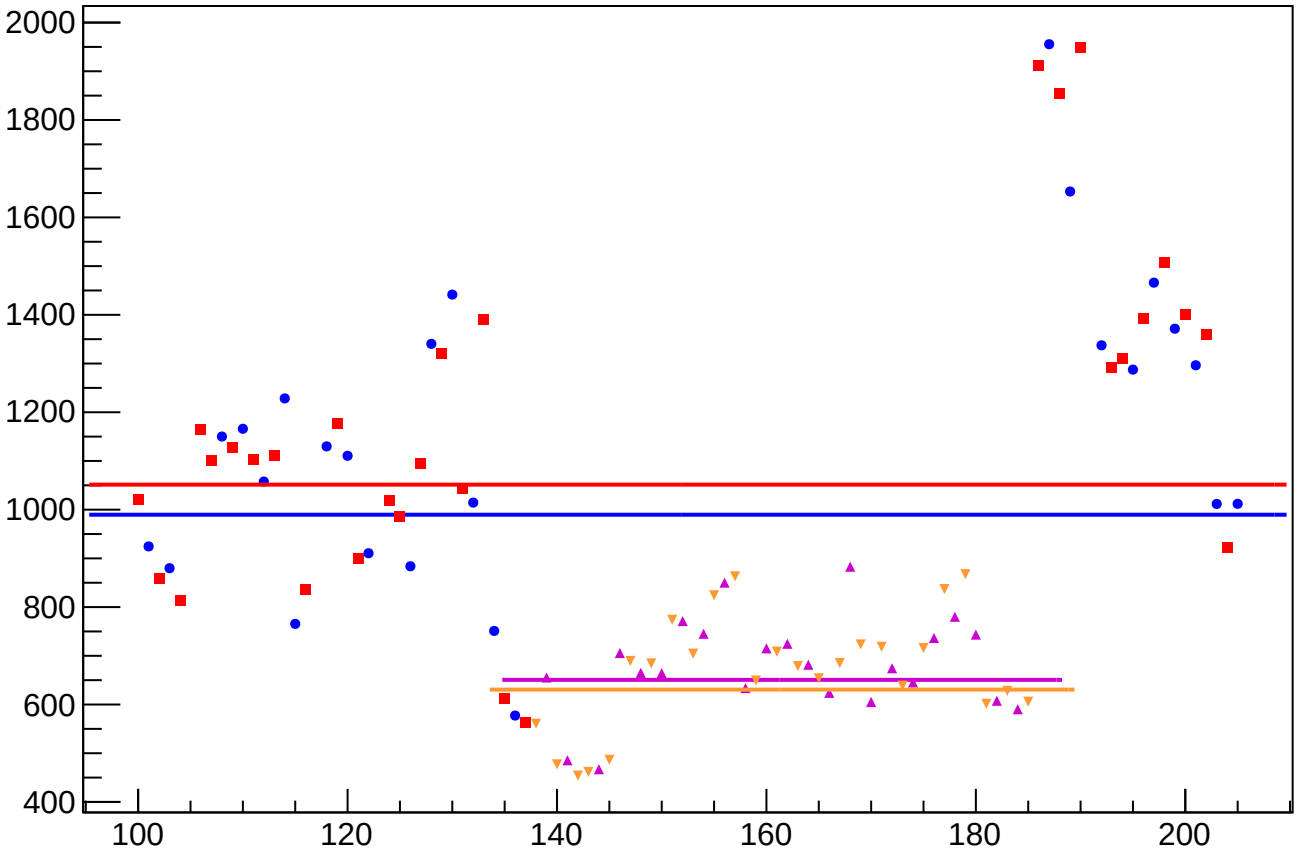
Left: 189.810+/-106.192 χ^2/NDF: 73.8/47

Right: 61.224+/-197.434 χ^2/NDF: 51.9/53

In: 88.468+/-134.647 χ^2/NDF:55.5/47

Out: 228.528+/-129.998 χ^2/NDF:70.0/53

All: 160.957+/-93.523 χ^2/NDF: 126.0/101



Right In: 989.637+/-0.195 χ^2/NDF: 2171365.7/24

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1051.398+/-0.200 χ^2/NDF: 2443620.5/28

Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

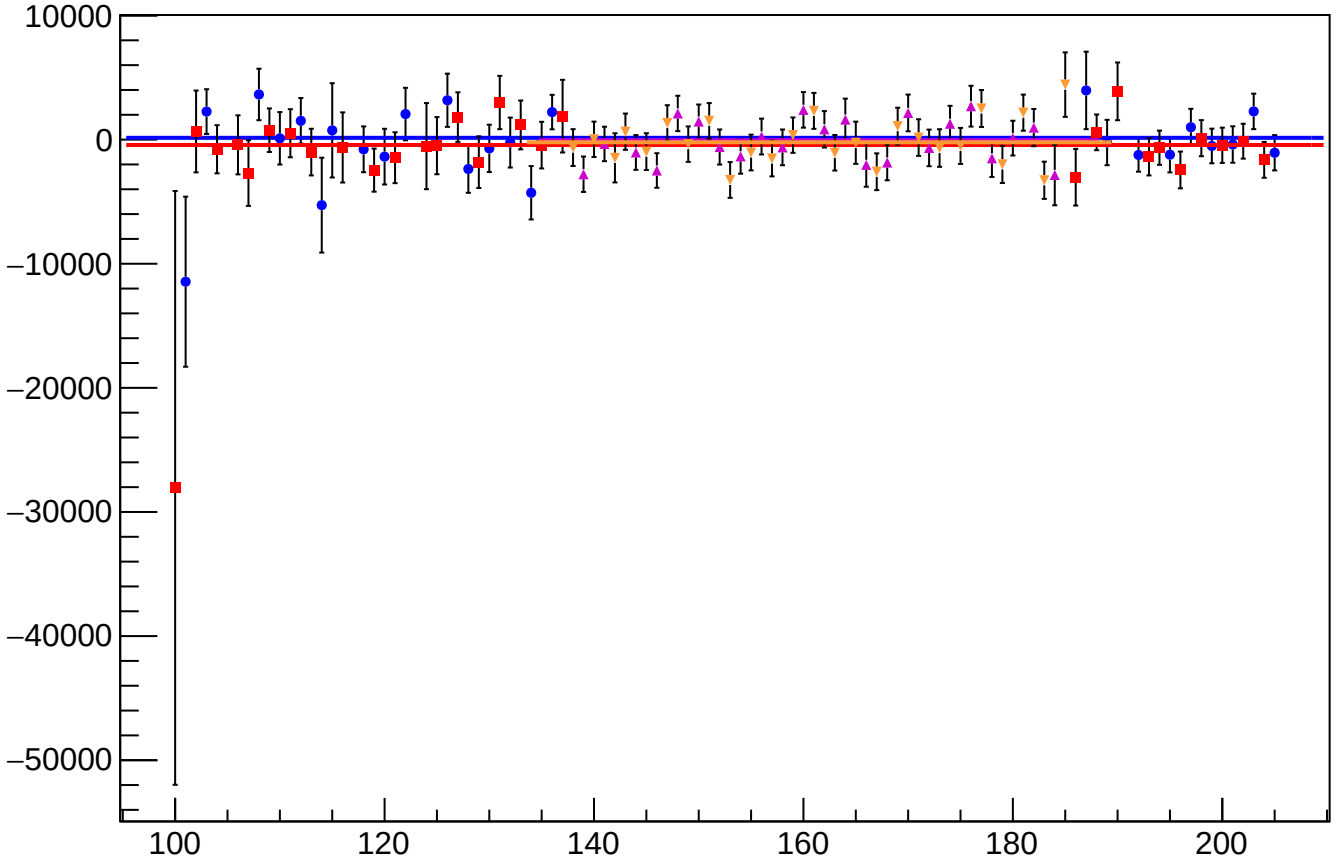
Left: 640.095+/-0.075 χ^2/NDF: 2268436.2/47

Right: 1019.824+/-0.140 χ^2/NDF: 4663889.8/53

In: 731.242+/-0.095 χ^2/NDF:5391105.0/47

Out: 719.762+/-0.092 χ^2/NDF:7271963.5/53

All: 725.300+/-0.066 χ^2/NDF: 12670592.9/10



Right In: 144.585+/-363.970 χ^2/NDF: 28.7/24

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: -432.606+/-351.025 χ^2/NDF: 18.5/28

Left In: -50.244+/-308.986 χ^2/NDF:27.8/22

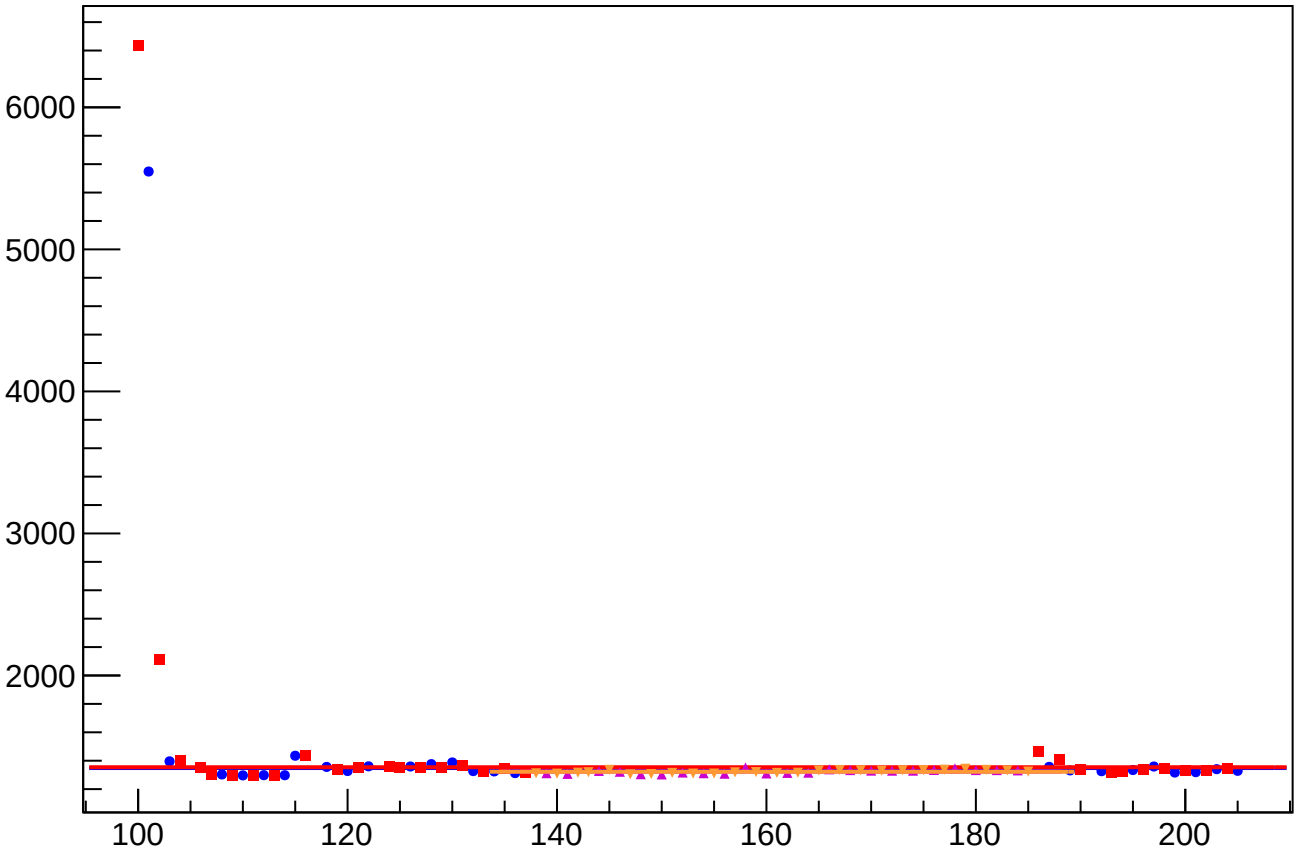
Left: -134.967+/-215.379 χ^2/NDF: 59.2/47

Right: -154.457+/-252.664 χ^2/NDF: 48.6/53

In: 31.358+/-235.553 χ^2/NDF:56.7/47

Out: -307.006+/-228.225 χ^2/NDF:50.0/53

All: -143.169+/-163.909 χ^2/NDF: 107.8/101



Right In: 1348.469+/-0.257 χ^2/NDF: 764322.5/24

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1353.978+/-0.248 χ^2/NDF: 217283.0/28

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

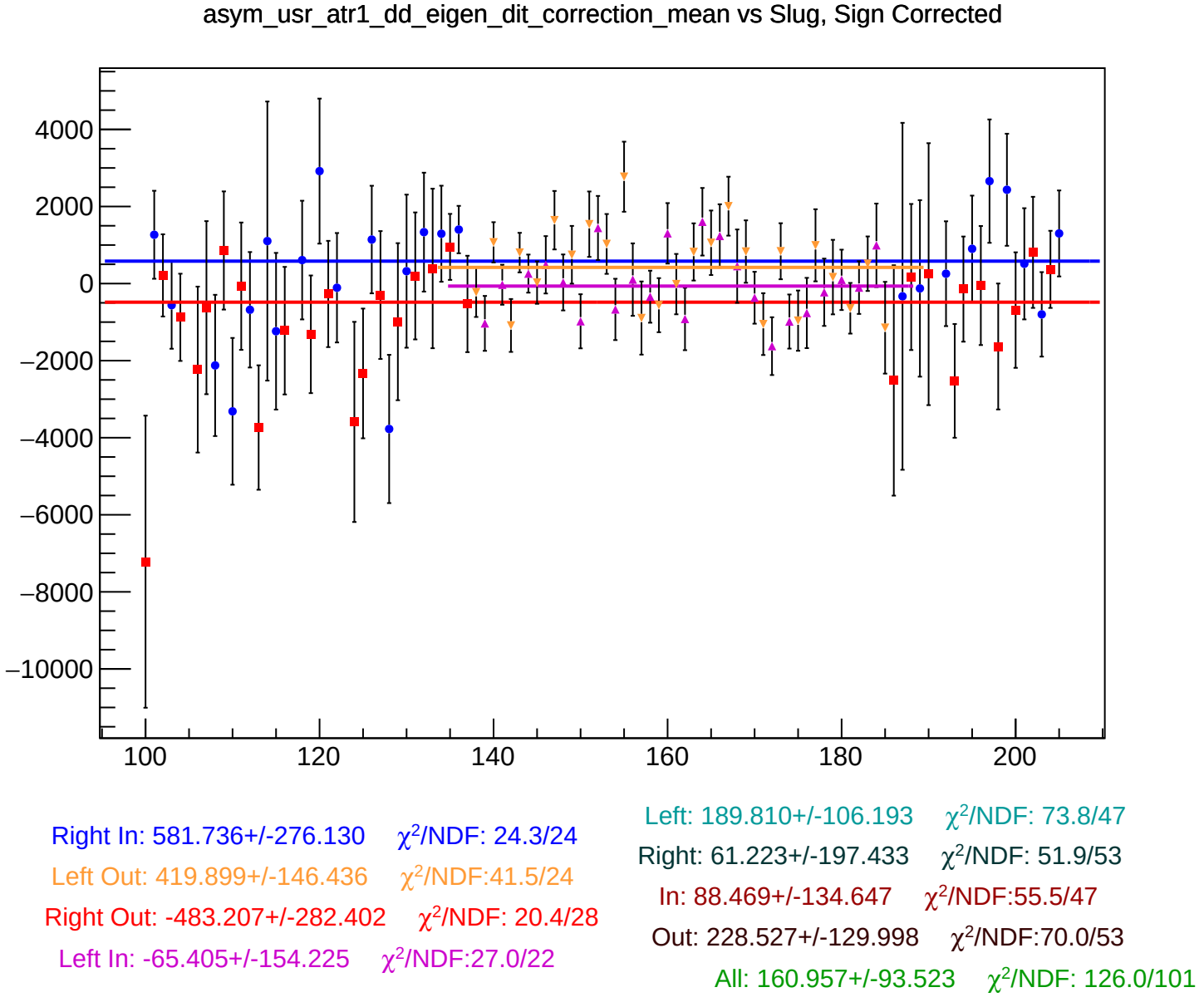
Left: 1322.839+/-0.152 χ^2/NDF: 6798.3/47

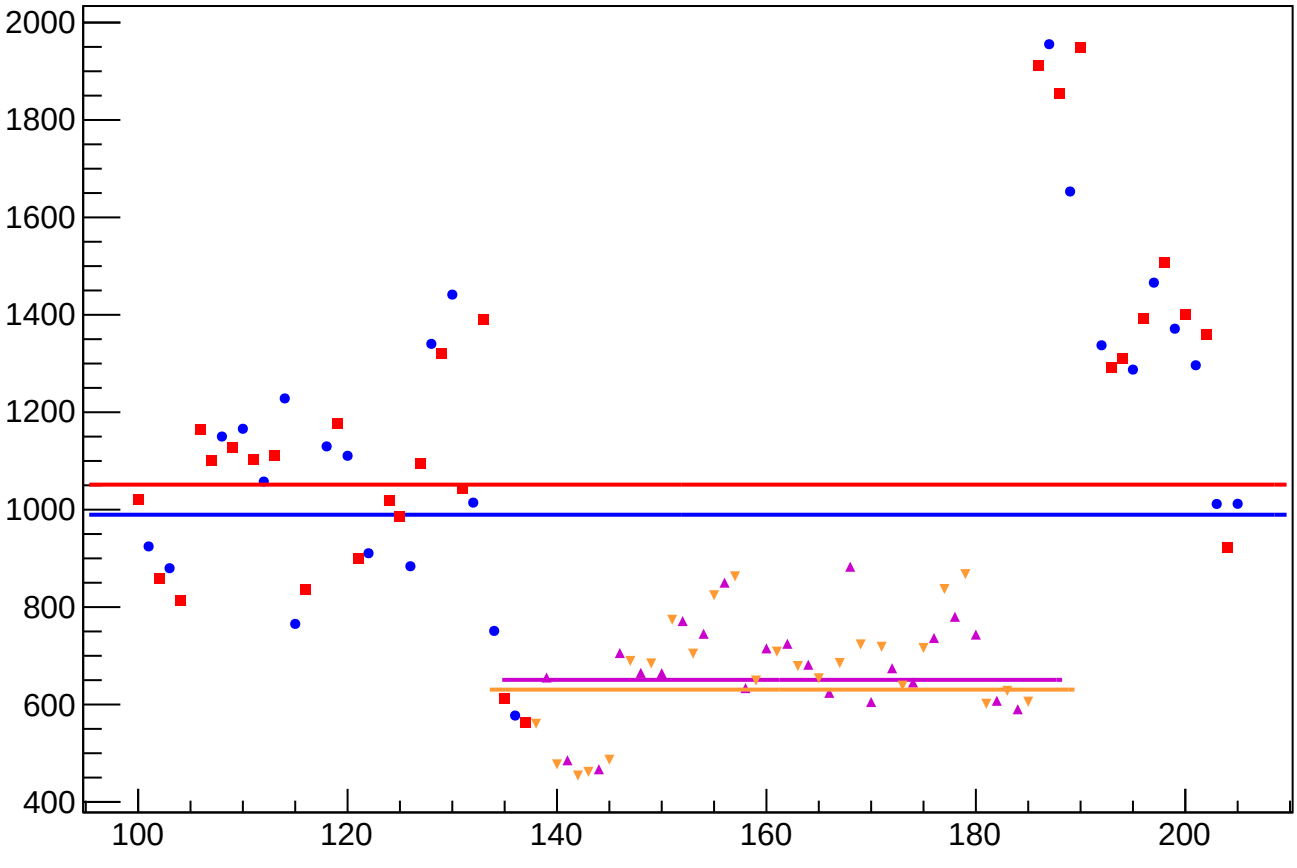
Right: 1351.323+/-0.179 χ^2/NDF: 981842.8/53

In: 1333.863+/-0.167 χ^2/NDF:773720.4/47

Out: 1335.730+/-0.161 χ^2/NDF:229576.6/53

All: 1334.826+/-0.116 χ^2/NDF: 1003361.8/10


asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
4000
2000
0
−2000
−4000
−6000
−8000
−10000
100
120
140
160
180
200
Right In: 581.736+/-276.130 χ²/NDF: 24.3/24
Left Out: 419.899+/-146.436 χ²/NDF:41.5/24
Right Out: -483.207+/-282.402 χ²/NDF: 20.4/28
Left In: -65.405+/-154.225 χ²/NDF:27.0/22
Left: 189.810+/-106.193 χ²/NDF: 73.8/47
Right: 61.223+/-197.433 χ²/NDF: 51.9/53
In: 88.469+/-134.647 χ²/NDF:55.5/47
Out: 228.527+/-129.998 χ²/NDF:70.0/53
All: 160.957+/-93.523 χ²/NDF: 126.0/101



Right In: 989.635+/-0.195 χ^2/NDF: 2171375.5/24

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1051.397+/-0.200 χ^2/NDF: 2443625.1/28

Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

Left: 640.096+/-0.075 χ^2/NDF: 2268466.1/47

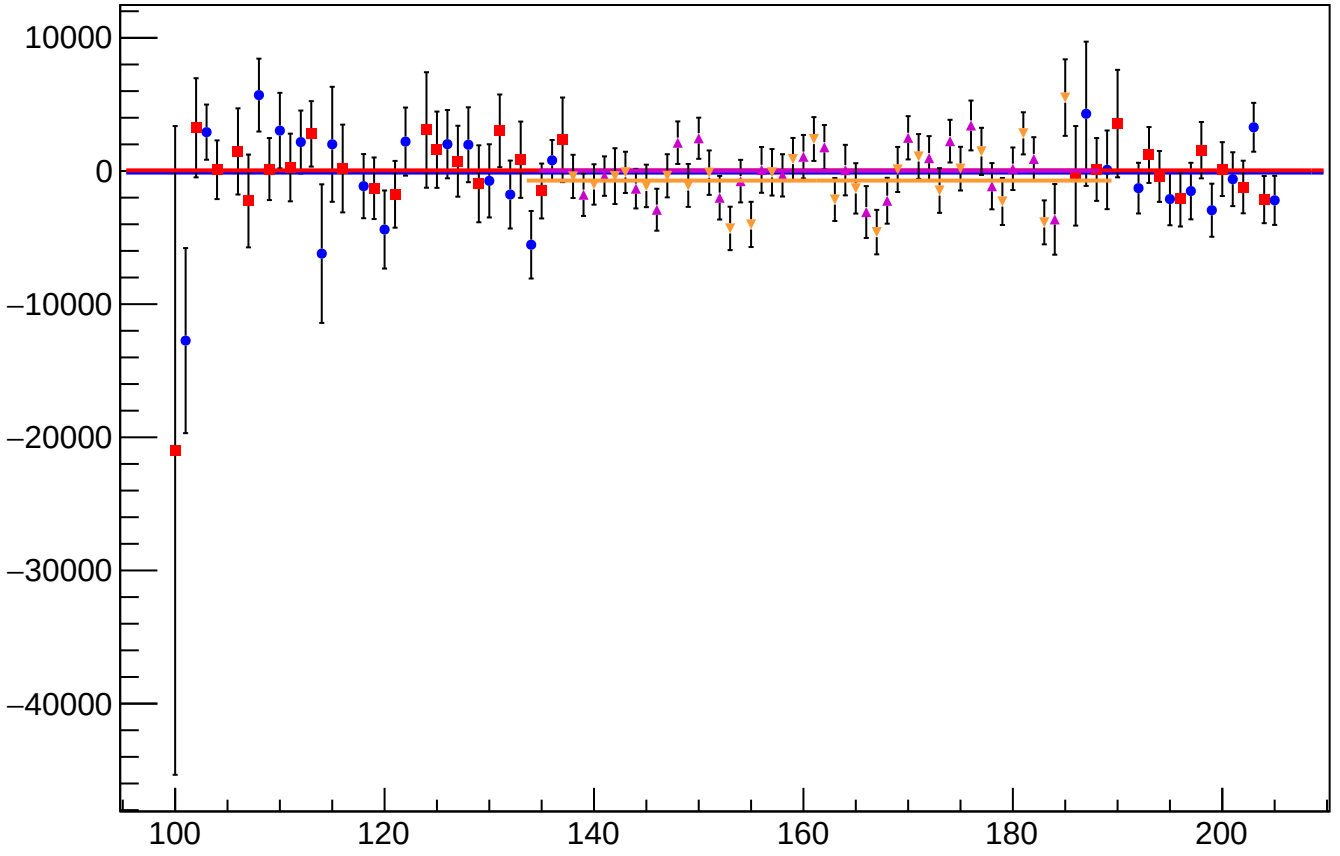
Right: 1019.822+/-0.140 χ^2/NDF: 4663904.8/53

In: 731.243+/-0.095 χ^2/NDF:5391090.1/47

Out: 719.763+/-0.092 χ^2/NDF:7271961.2/53

All: 725.301+/-0.066 χ^2/NDF: 12670576.0/10

asym_usr_atr1_dd_mean vs Slug, Sign Corrected



Right In: -118.016+/-478.663 χ^2/NDF: 32.8/24

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: 47.843+/-470.650 χ^2/NDF: 12.2/28

Left In: 27.514+/-347.415 χ^2/NDF:28.0/22

Left: -356.097+/-242.106 χ^2/NDF: 68.1/47

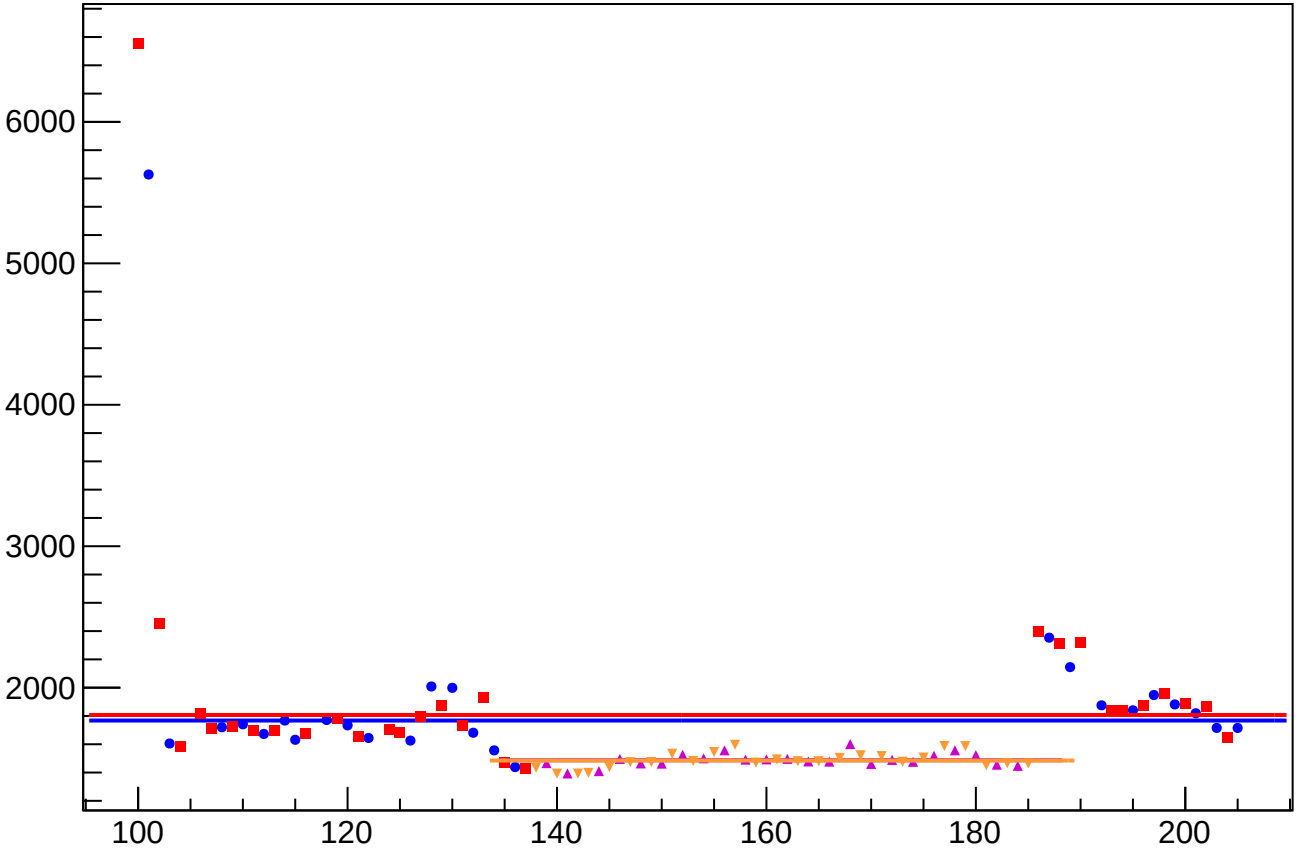
Right: -33.687+/-335.597 χ^2/NDF: 45.1/53

In: -22.698+/-281.163 χ^2/NDF:60.8/47

Out: -458.037+/-274.312 χ^2/NDF:51.7/53

All: -245.736+/-196.345 χ^2/NDF: 113.7/101

asym_usr_atr1_dd_rms vs Slug, Sign Corrected



Right In: 1767.653+/-0.338 χ^2/NDF: 874948.8/24

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1807.136+/-0.333 χ^2/NDF: 479506.0/28

Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

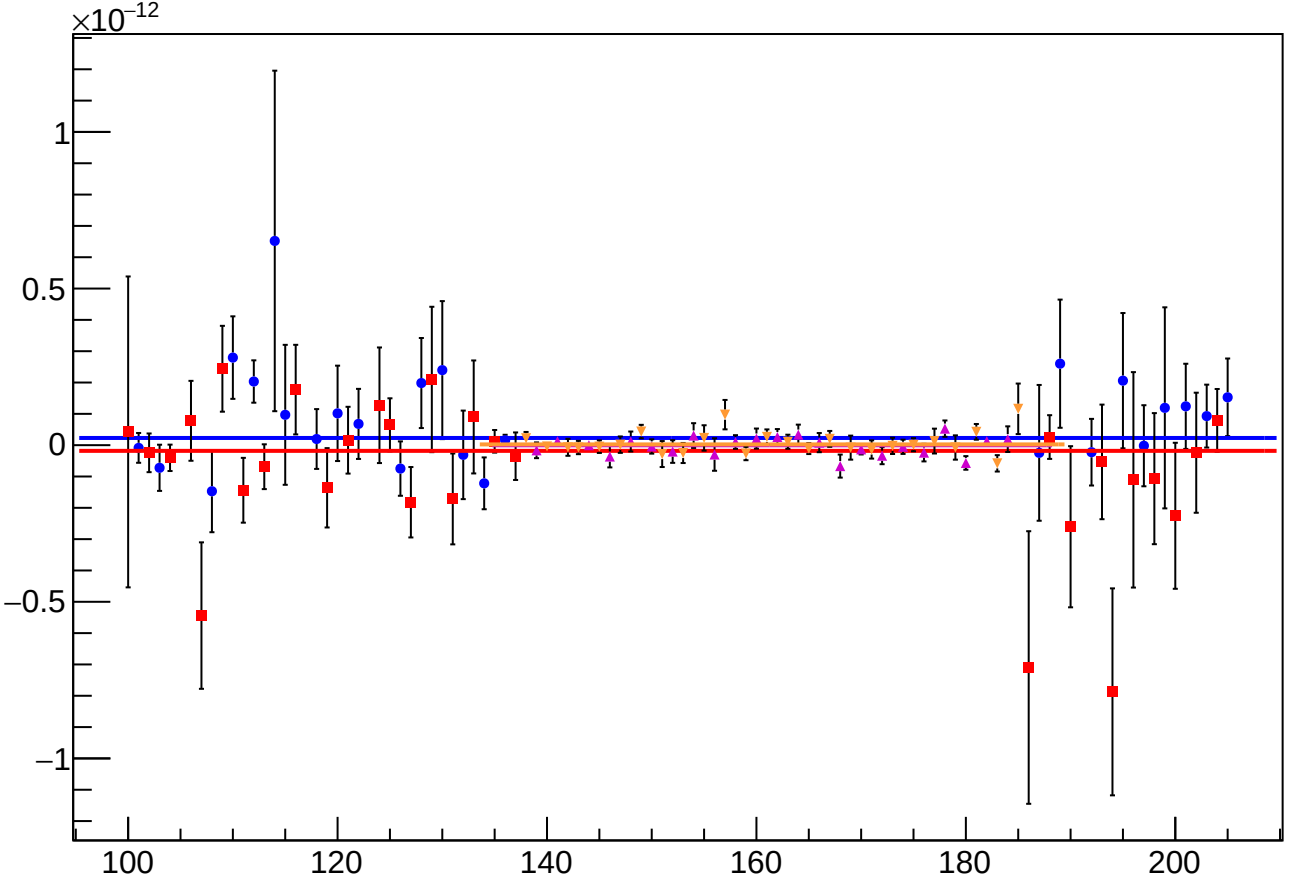
Left: 1486.005+/-0.171 χ^2/NDF: 85761.8/47

Right: 1787.728+/-0.237 χ^2/NDF: 1361373.6/53

In: 1583.908+/-0.199 χ^2/NDF:1359735.9/47

Out: 1594.403+/-0.194 χ^2/NDF:1149228.6/53

All: 1589.285+/-0.139 χ^2/NDF: 2510392.2/10



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/28

Left In: -0.000+/-0.000 χ^2/NDF:24.9/22

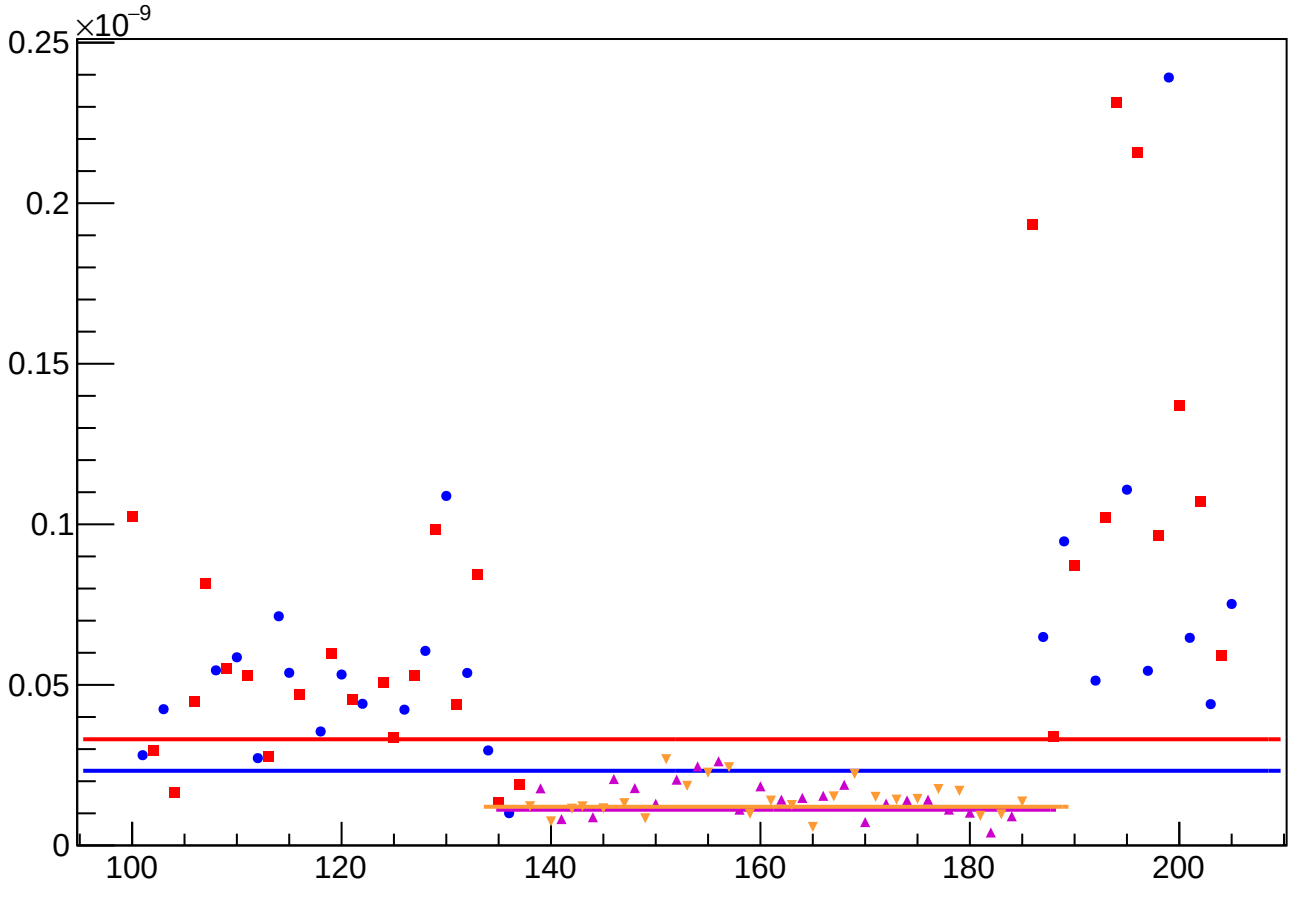
Left: 0.000+/-0.000 χ^2/NDF: 50.5/47

Right: 0.000+/-0.000 χ^2/NDF: 64.2/53

In: 0.000+/-0.000 χ^2/NDF:55.7/47

Out: 0.000+/-0.000 χ^2/NDF:59.3/53

All: 0.000+/-0.000 χ^2/NDF: 115.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 4846203.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4766915.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

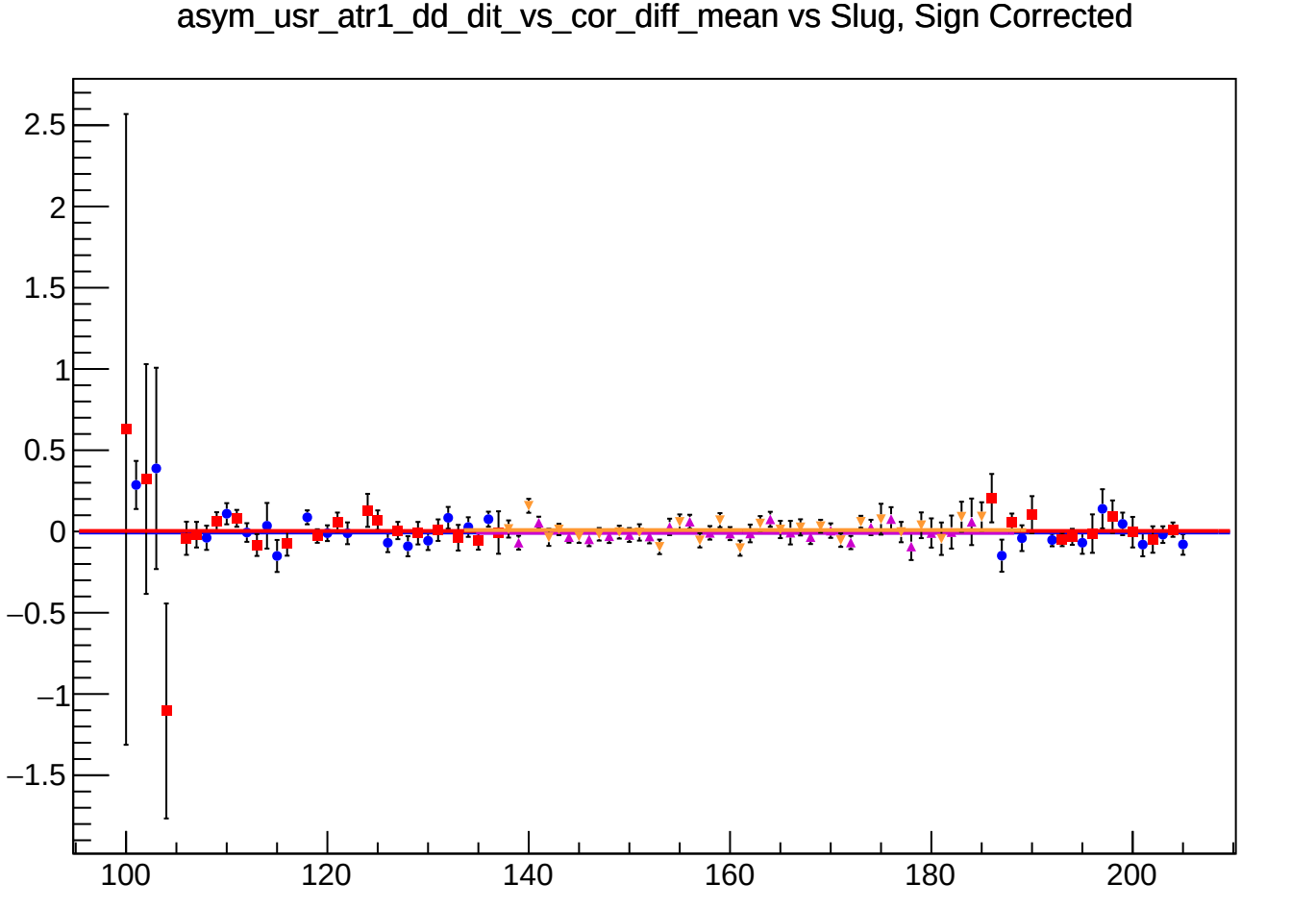
Left: 0.000+/-0.000 χ^2/NDF: 3765014.8/47

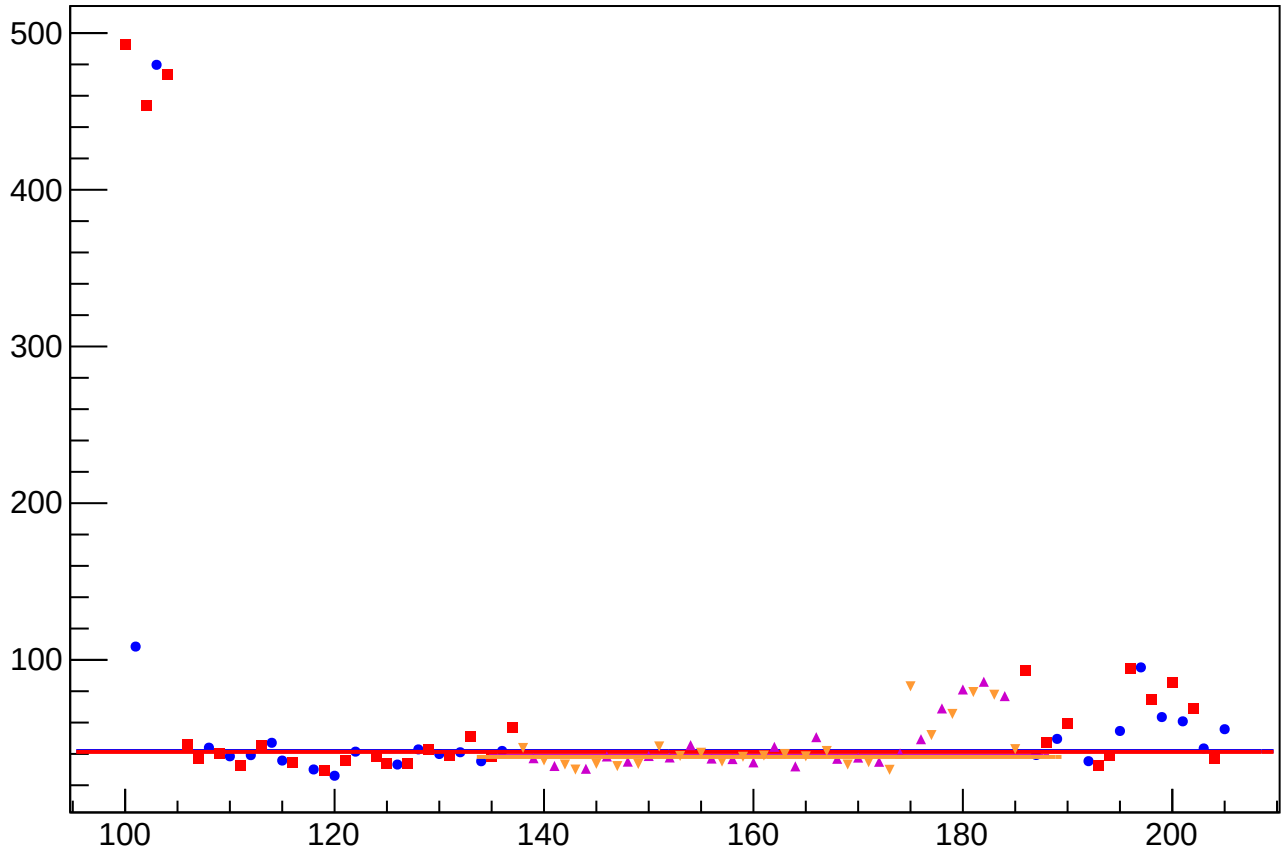
Right: 0.000+/-0.000 χ^2/NDF: 9995567.4/53

In: 0.000+/-0.000 χ^2/NDF:8438470.9/47

Out: 0.000+/-0.000 χ^2/NDF:8893246.8/53

All: 0.000+/-0.000 χ^2/NDF: 17387789.5/101


asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
Right In: -0.006+/-0.013 χ²/NDF: 32.8/24
Left Out: 0.009+/-0.010 χ²/NDF:38.6/24
Right Out: 0.003+/-0.013 χ²/NDF: 22.2/28
Left In: -0.008+/-0.010 χ²/NDF:18.9/22
Left: 0.001+/-0.007 χ²/NDF: 59.0/47
Right: -0.001+/-0.009 χ²/NDF: 55.3/53
In: -0.007+/-0.008 χ²/NDF:51.7/47
Out: 0.007+/-0.008 χ²/NDF:60.9/53
All: -0.000+/-0.005 χ²/NDF: 114.3/101



Right In: 41.834+/-0.009 χ^2/NDF: 2829817.0/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.279+/-0.009 χ^2/NDF: 3796945.3/28

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

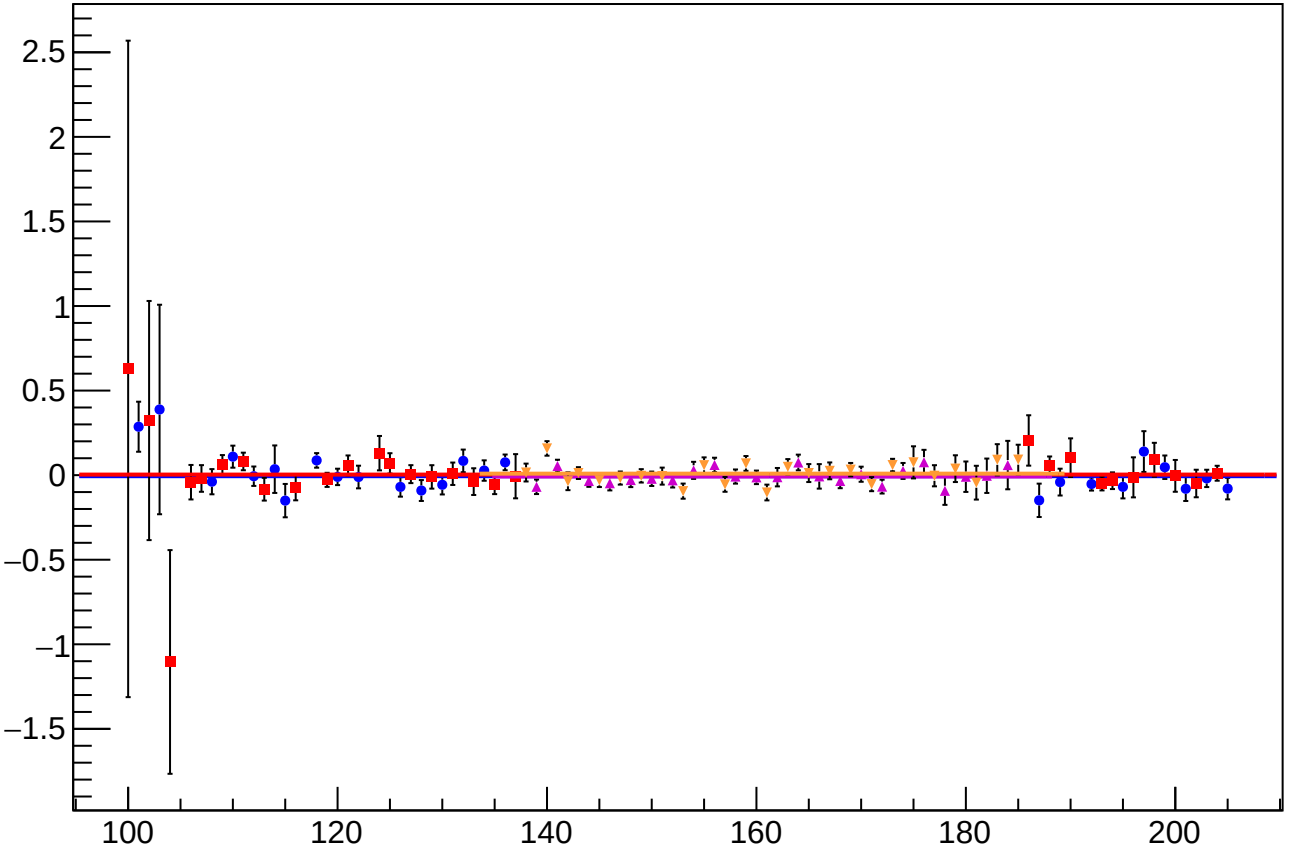
Right: 41.552+/-0.006 χ^2/NDF: 6628690.9/53

In: 39.841+/-0.006 χ^2/NDF:4636394.6/47

Out: 39.250+/-0.005 χ^2/NDF:5846989.9/53

All: 39.537+/-0.004 χ^2/NDF: 10489258.7/101

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

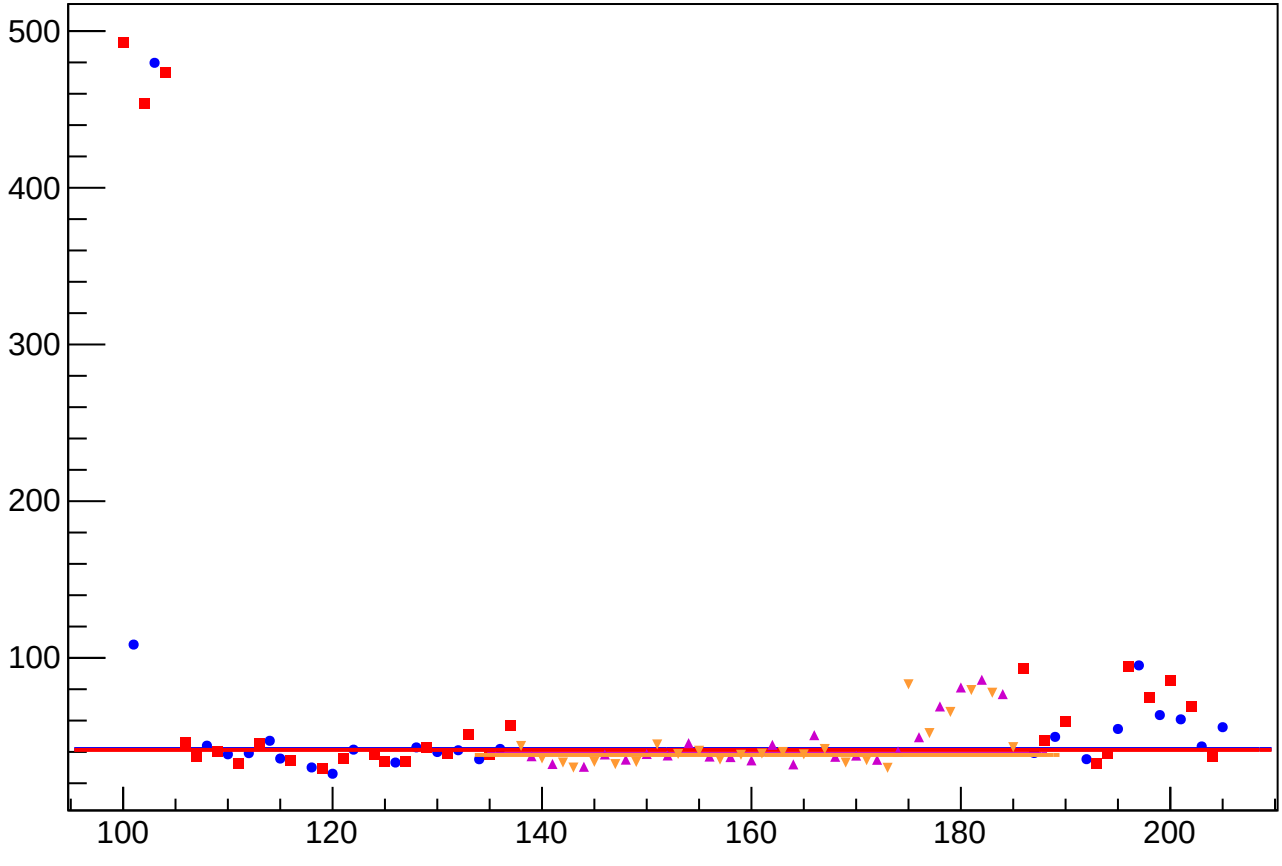
Right: -0.001+/-0.009 χ^2/NDF: 55.3/53

In: -0.007+/-0.008 χ^2/NDF:51.7/47

Out: 0.007+/-0.008 χ^2/NDF:60.9/53

All: -0.000+/-0.005 χ^2/NDF: 114.3/101

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.834+/-0.009 χ^2/NDF: 2829817.0/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

Right Out: 41.279+/-0.009 χ^2/NDF: 3796945.3/28

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

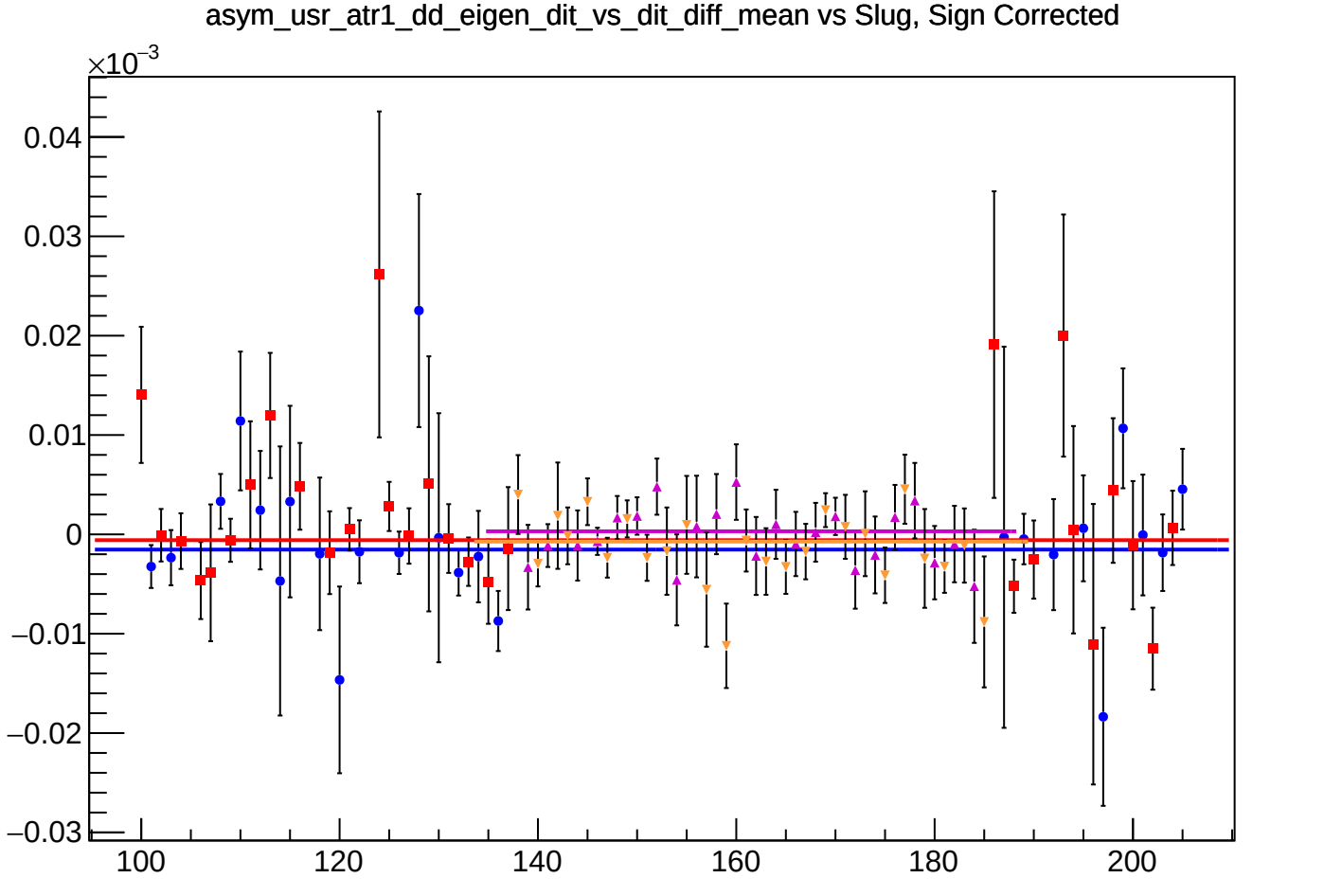
Left: 38.339+/-0.005 χ^2/NDF: 3698113.4/47

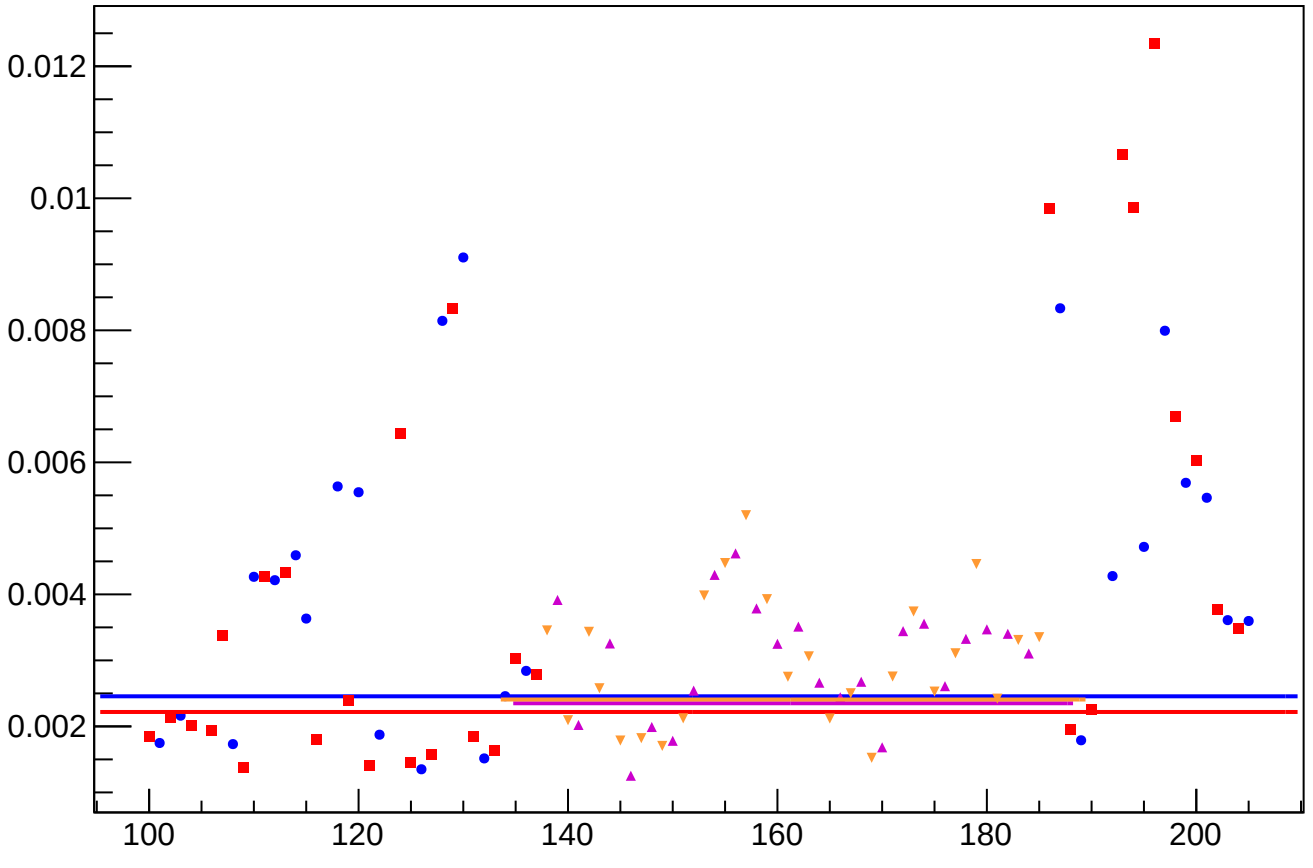
Right: 41.552+/-0.006 χ^2/NDF: 6628690.9/53

In: 39.841+/-0.006 χ^2/NDF:4636394.6/47

Out: 39.250+/-0.005 χ^2/NDF:5846989.9/53

All: 39.537+/-0.004 χ^2/NDF: 10489258.7/101


asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.1/24
Left Out: -0.000+/-0.000 χ²/NDF:26.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.0/28
Left In: 0.000+/-0.000 χ²/NDF:13.8/22
Left: -0.000+/-0.000 χ²/NDF: 41.9/47
Right: -0.000+/-0.000 χ²/NDF: 66.9/53
In: -0.000+/-0.000 χ²/NDF:48.4/47
Out: -0.000+/-0.000 χ²/NDF:61.6/53
All: -0.000+/-0.000 χ²/NDF: 110.2/101



Right In: 0.002+/-0.000 χ^2/NDF: 6386885.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7778636.1/28

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

Left: 0.002+/-0.000 χ^2/NDF: 8130379.7/47

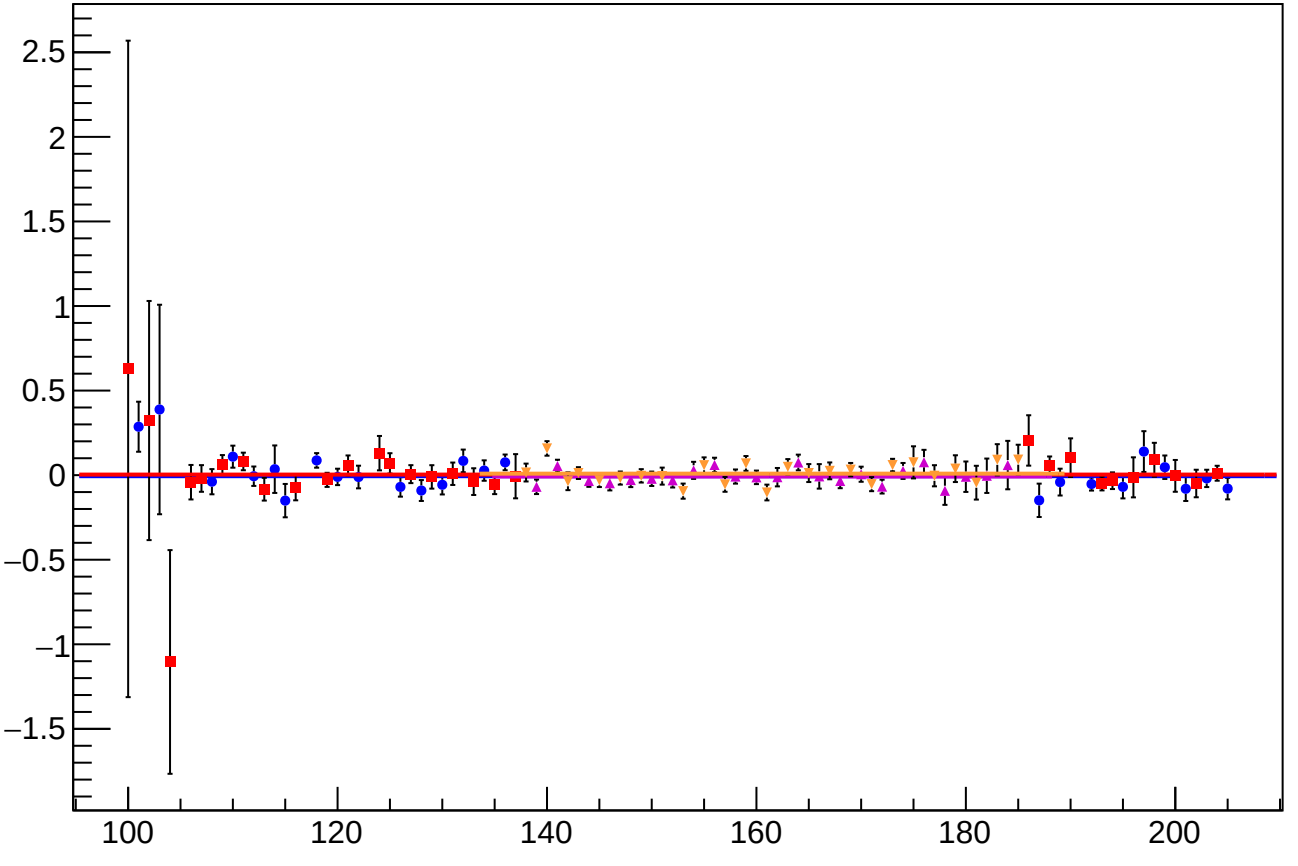
Right: 0.002+/-0.000 χ^2/NDF: 14268181.8/53

In: 0.002+/-0.000 χ^2/NDF:10848317.7/47

Out: 0.002+/-0.000 χ^2/NDF:11546591.8/53

All: 0.002+/-0.000 χ^2/NDF: 22411316.3/101

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

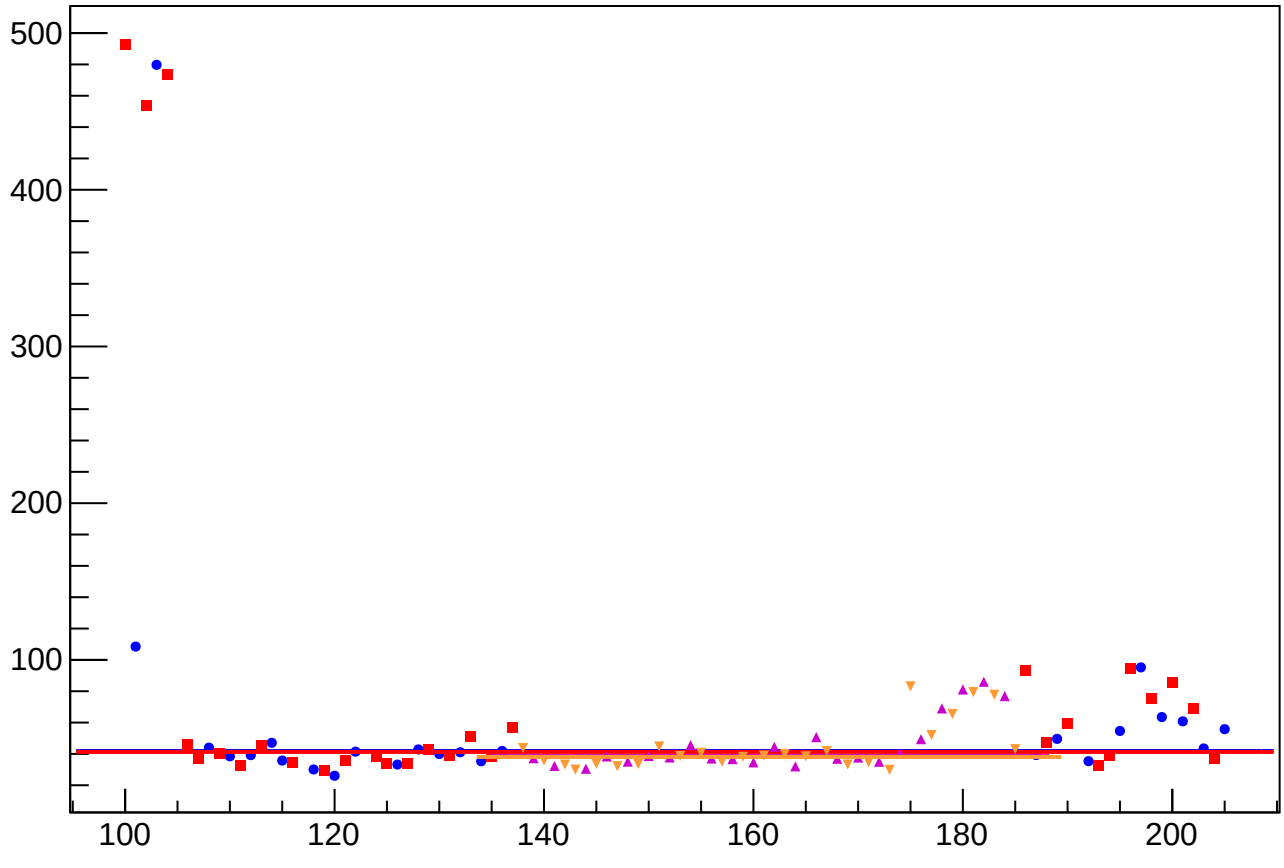
Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

Right: -0.001+/-0.009 χ^2/NDF: 55.3/53

In: -0.007+/-0.008 χ^2/NDF:51.7/47

Out: 0.007+/-0.008 χ^2/NDF:60.9/53

All: -0.000+/-0.005 χ^2/NDF: 114.3/101



Right In: 41.833+/-0.009 χ^2/NDF: 2829990.2/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.276+/-0.009 χ^2/NDF: 3797418.7/28

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

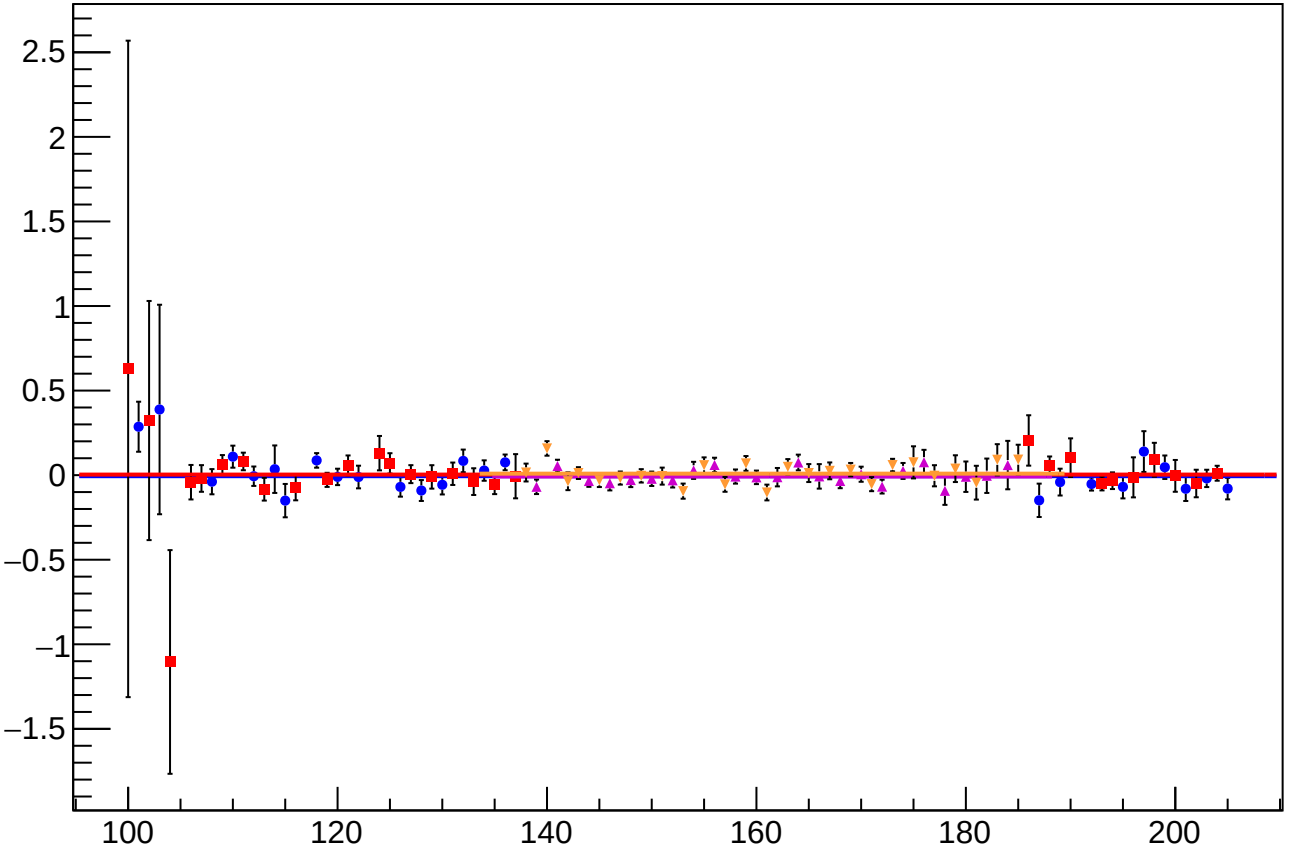
Right: 41.550+/-0.006 χ^2/NDF: 6629355.3/53

In: 39.840+/-0.006 χ^2/NDF:4636584.6/47

Out: 39.248+/-0.005 χ^2/NDF:5847305.3/53

All: 39.536+/-0.004 χ^2/NDF: 10489779.3/101

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: 0.003+/-0.013 χ^2/NDF: 22.2/28

Left In: -0.008+/-0.010 χ^2/NDF:18.9/22

Left: 0.001+/-0.007 χ^2/NDF: 59.0/47

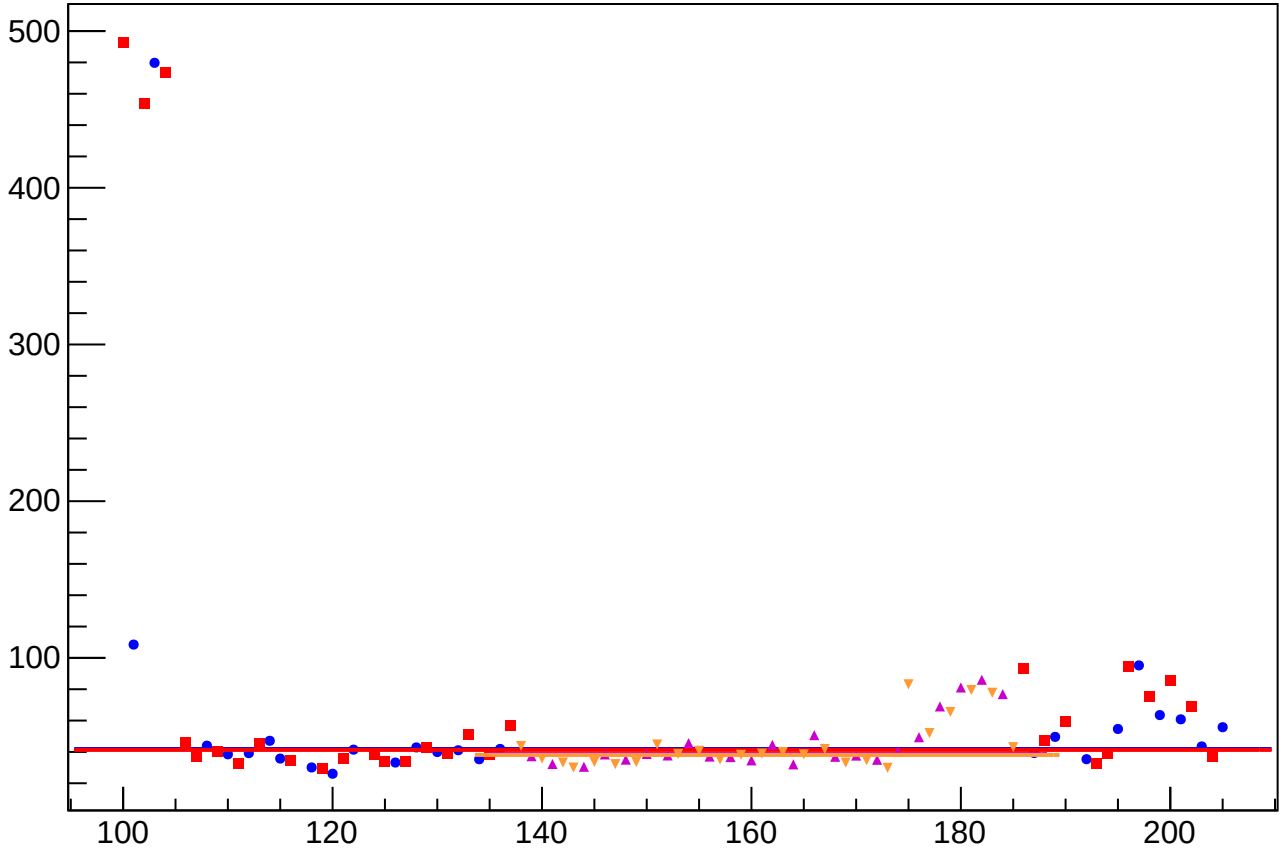
Right: -0.001+/-0.009 χ^2/NDF: 55.3/53

In: -0.007+/-0.008 χ^2/NDF:51.7/47

Out: 0.007+/-0.008 χ^2/NDF:60.9/53

All: -0.000+/-0.005 χ^2/NDF: 114.3/101

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.833+/-0.009 χ^2/NDF: 2829990.2/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

Right Out: 41.276+/-0.009 χ^2/NDF: 3797418.7/28

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

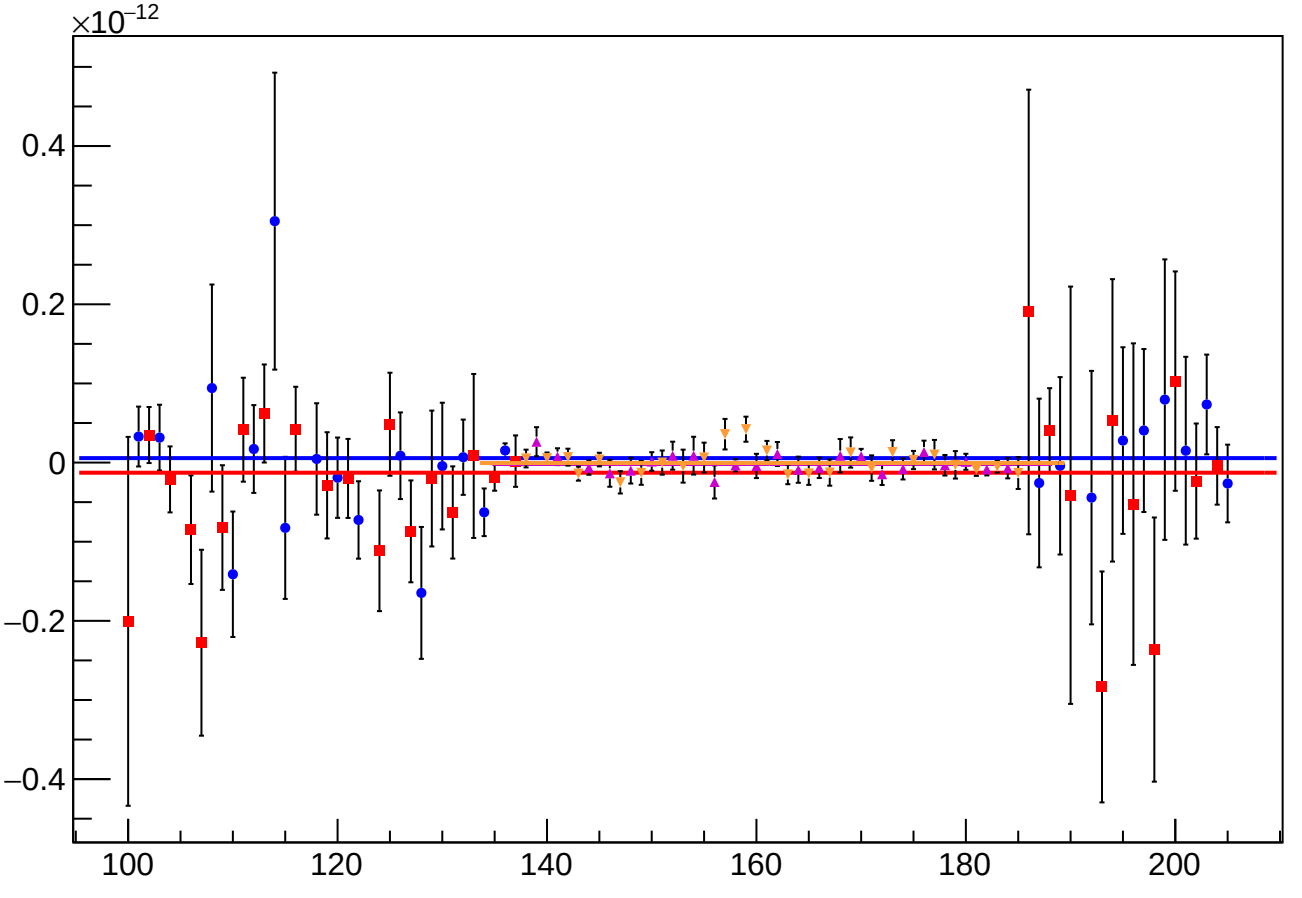
Left: 38.338+/-0.005 χ^2/NDF: 3698141.3/47

Right: 41.550+/-0.006 χ^2/NDF: 6629355.3/53

In: 39.840+/-0.006 χ^2/NDF:4636584.6/47

Out: 39.248+/-0.005 χ^2/NDF:5847305.3/53

All: 39.536+/-0.004 χ^2/NDF: 10489779.3/101



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/28

Left In: -0.000+/-0.000 χ^2/NDF:11.6/22

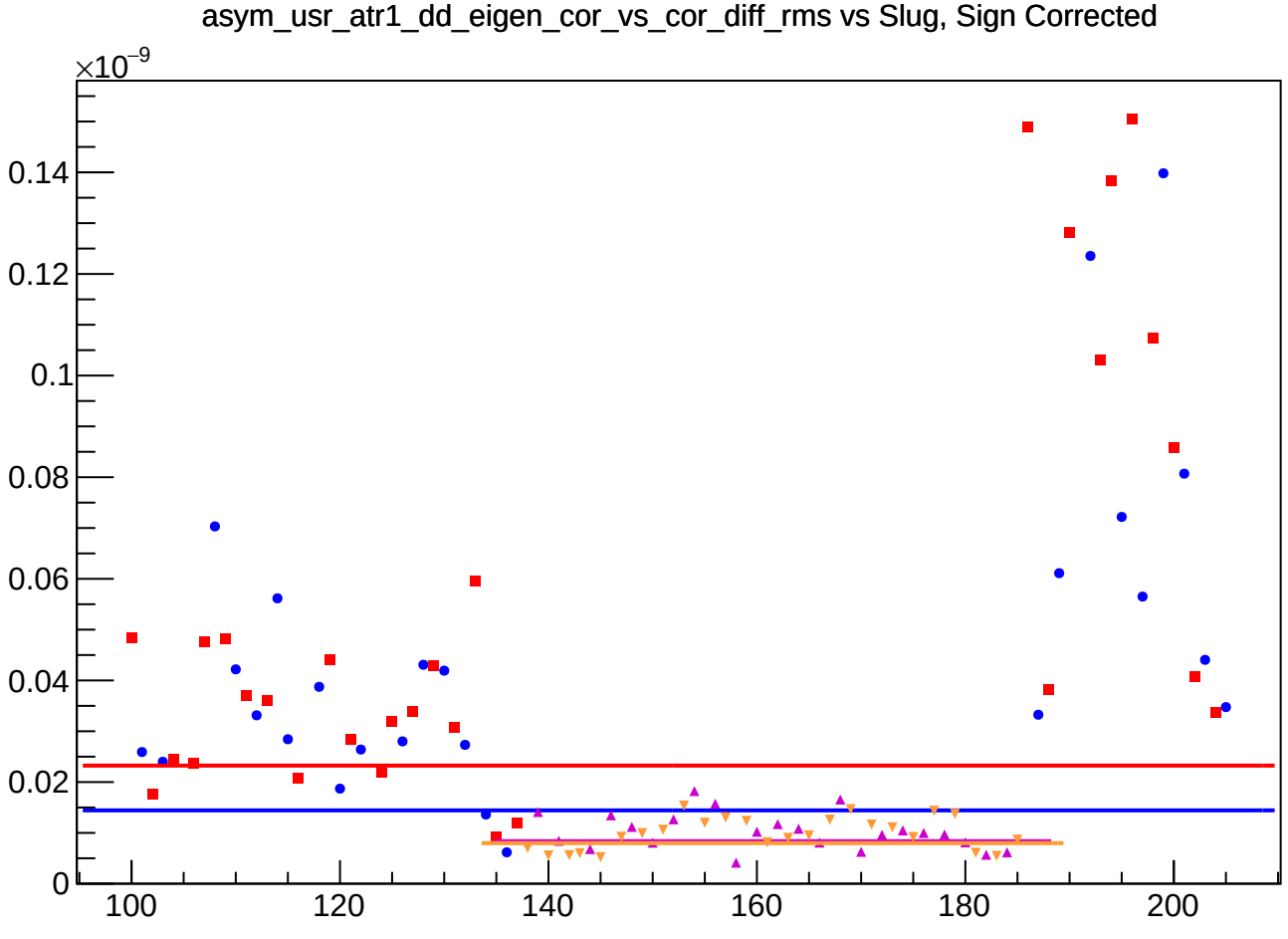
Left: -0.000+/-0.000 χ^2/NDF: 38.6/47

Right: -0.000+/-0.000 χ^2/NDF: 49.7/53

In: -0.000+/-0.000 χ^2/NDF:36.3/47

Out: -0.000+/-0.000 χ^2/NDF:52.1/53

All: -0.000+/-0.000 χ^2/NDF: 88.4/101



Right In: 0.000+/-0.000 χ^2/NDF: 8634940.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7069277.9/28

Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

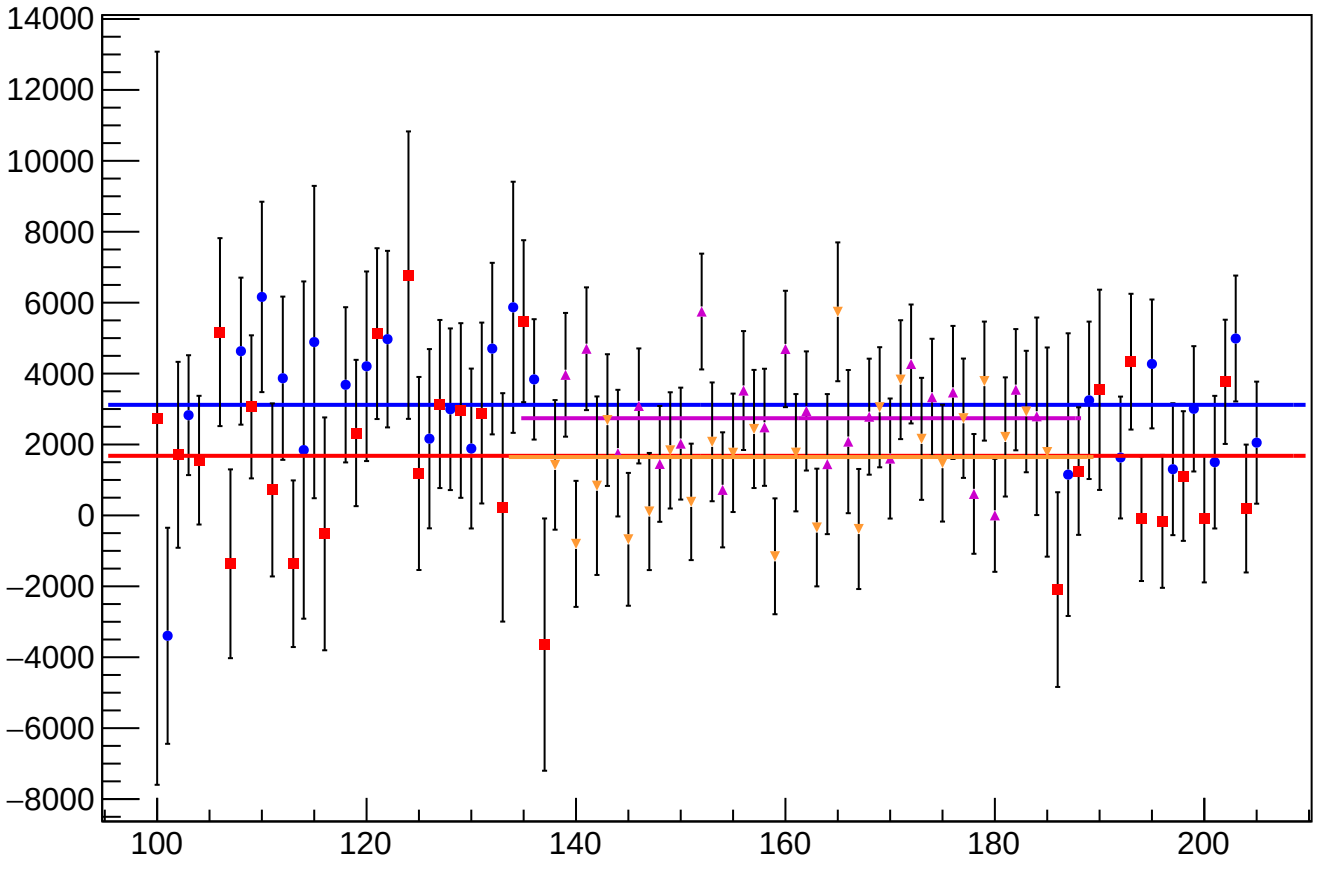
Left: 0.000+/-0.000 χ^2/NDF: 5643069.5/47

Right: 0.000+/-0.000 χ^2/NDF: 16724102.8/53

In: 0.000+/-0.000 χ^2/NDF:12638176.3/47

Out: 0.000+/-0.000 χ^2/NDF:14363634.5/53

All: 0.000+/-0.000 χ^2/NDF: 27009747.2/101



Right In: 3118.222+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: 1680.709+/-423.035 χ^2/NDF: 25.1/28

Left In: 2740.924+/-358.458 χ^2/NDF:16.4/22

Left: 2180.220+/-250.336 χ^2/NDF: 42.3/47

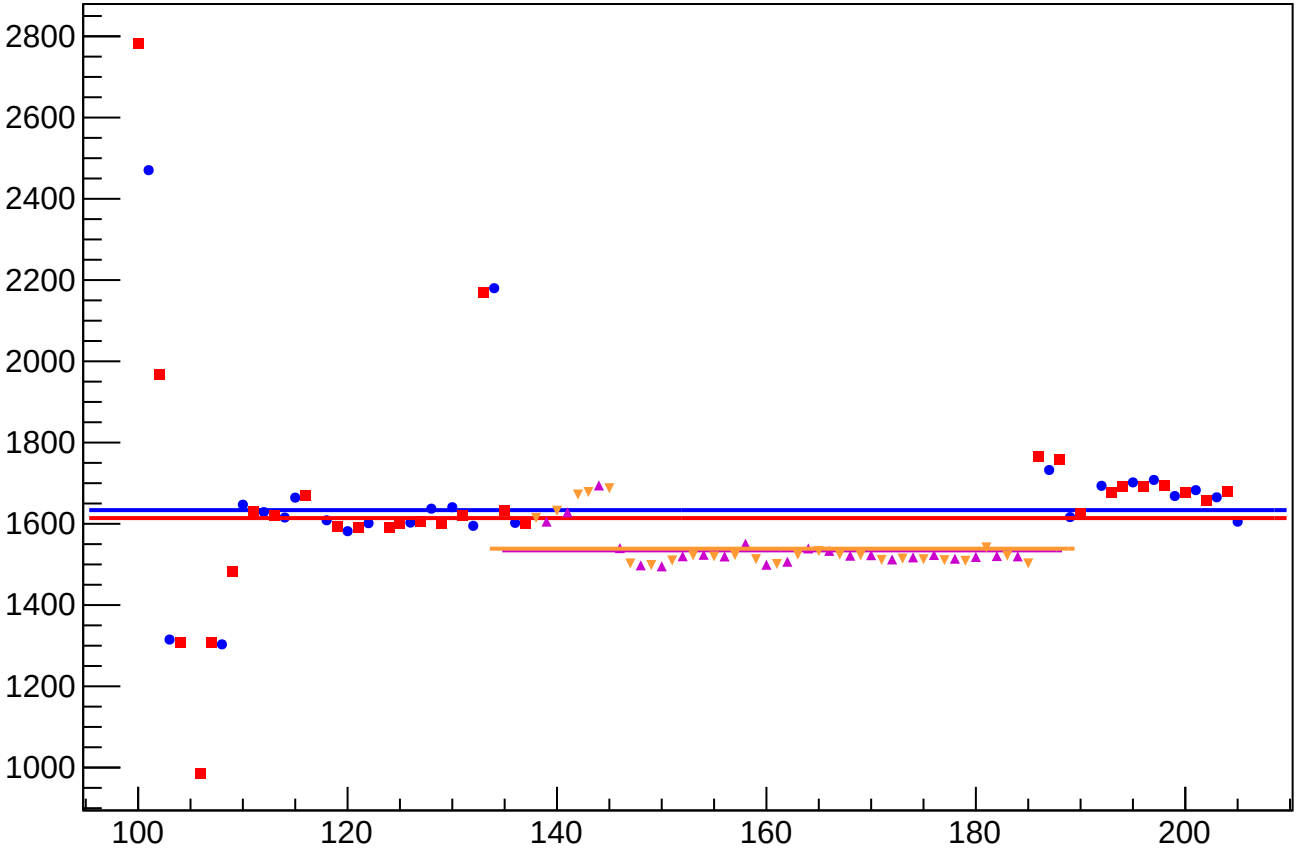
Right: 2375.279+/-304.122 χ^2/NDF: 44.5/53

In: 2892.465+/-277.279 χ^2/NDF:30.7/47

Out: 1660.331+/-269.558 χ^2/NDF:46.2/53

All: 2259.004+/-193.278 χ^2/NDF: 87.0/101

reg_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1633.684+/-0.309 χ^2/NDF: 336489.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1614.078+/-0.297 χ^2/NDF: 443307.5/28

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.2/47

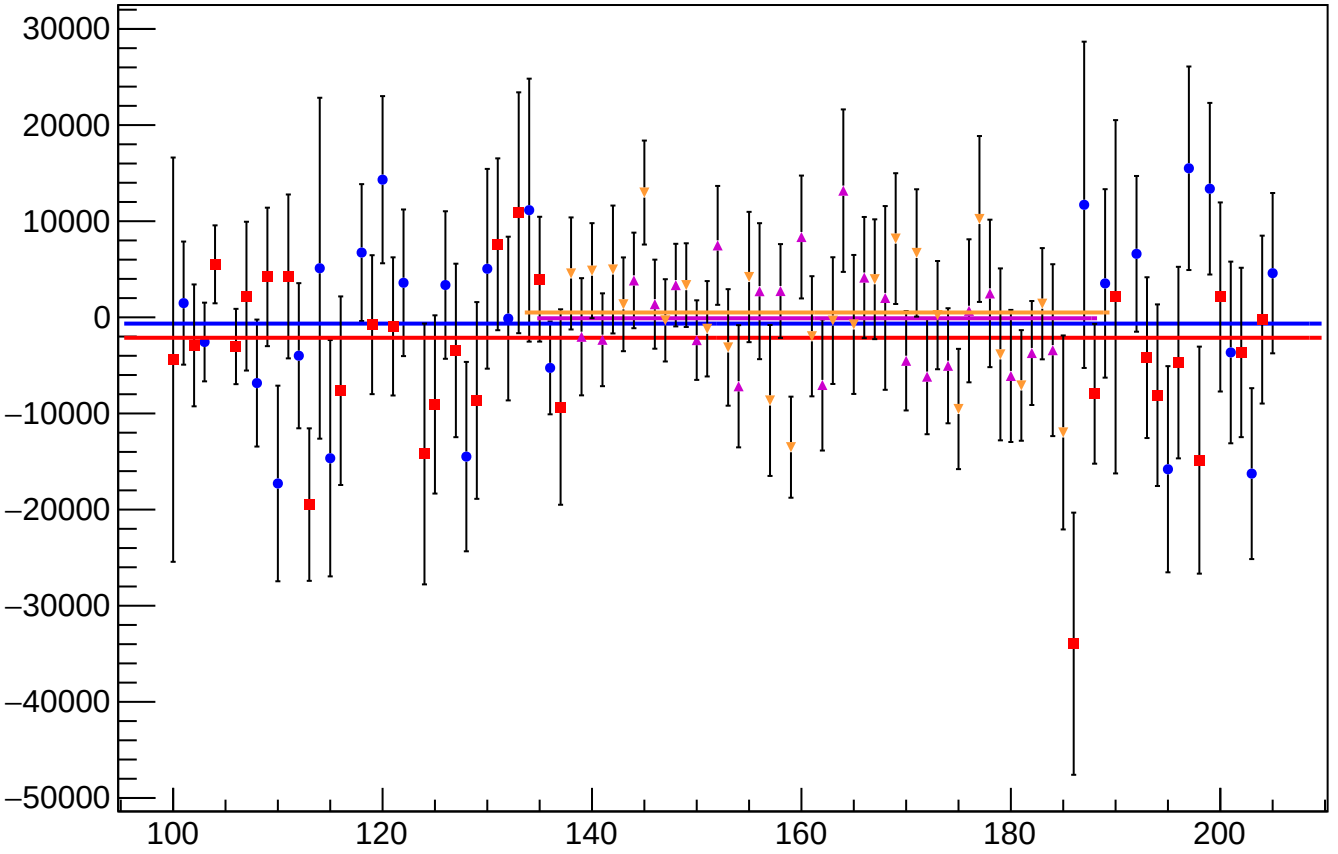
Right: 1623.465+/-0.214 χ^2/NDF: 781890.7/53

In: 1574.405+/-0.196 χ^2/NDF:428969.3/47

Out: 1569.690+/-0.190 χ^2/NDF:528363.5/53

All: 1571.973+/-0.136 χ^2/NDF: 957631.2/101

asym_usr_atr2_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -651.821+/-1600.779 χ^2/NDF: 25.9/24

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: -2126.610+/-1466.130 χ^2/NDF: 24.0/28

Left In: -97.910+/-1217.585 χ^2/NDF:14.9/22

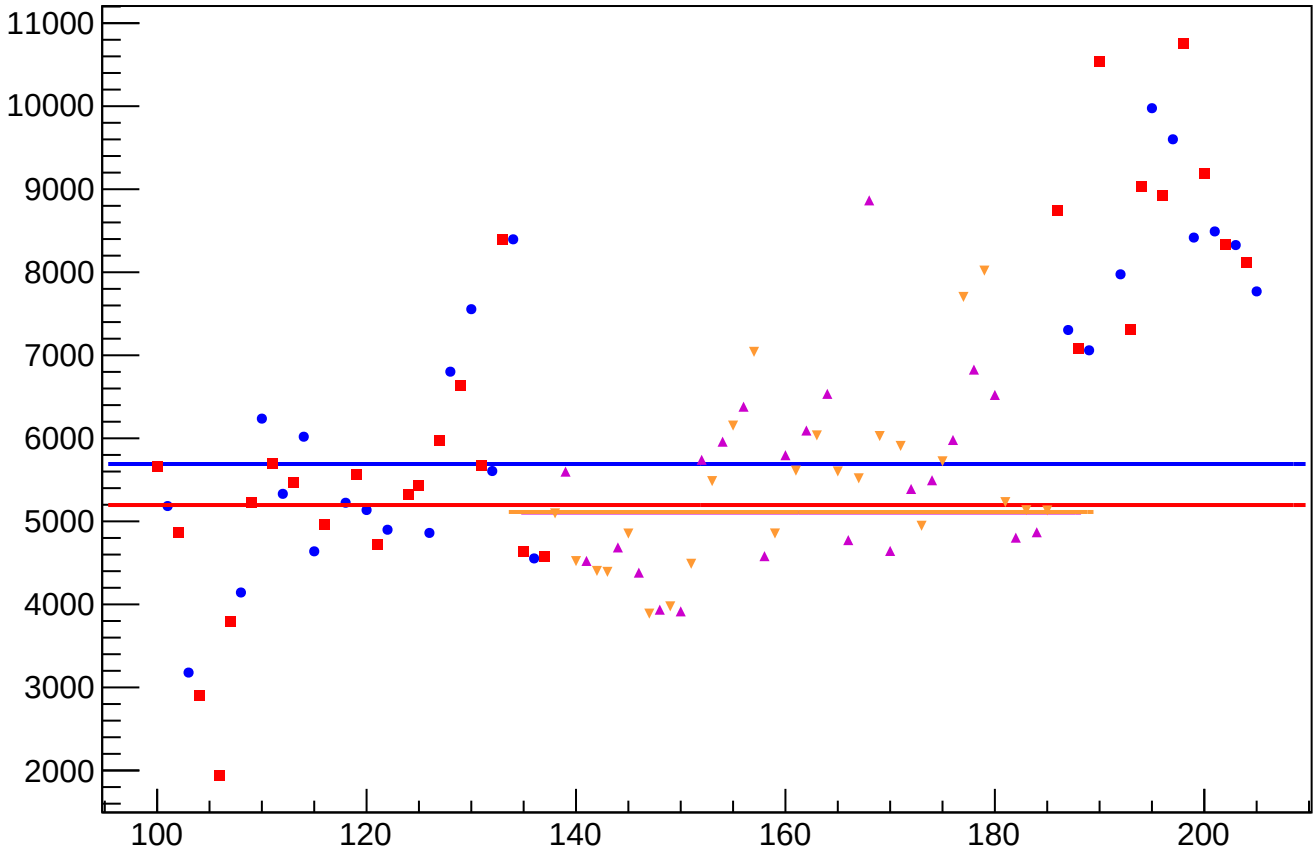
Left: 210.544+/-850.054 χ^2/NDF: 41.8/47

Right: -1453.840+/-1081.185 χ^2/NDF: 50.4/53

In: -300.921+/-969.105 χ^2/NDF:40.9/47

Out: -537.989+/-922.692 χ^2/NDF:52.7/53

All: -425.268+/-668.248 χ^2/NDF: 93.6/101



Right In: 5690.750+/-1.132 χ^2/NDF: 2713053.3/24

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5196.714+/-1.037 χ^2/NDF: 4760603.4/28

Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

Left: 5109.752+/-0.601 χ^2/NDF: 2410662.5/47

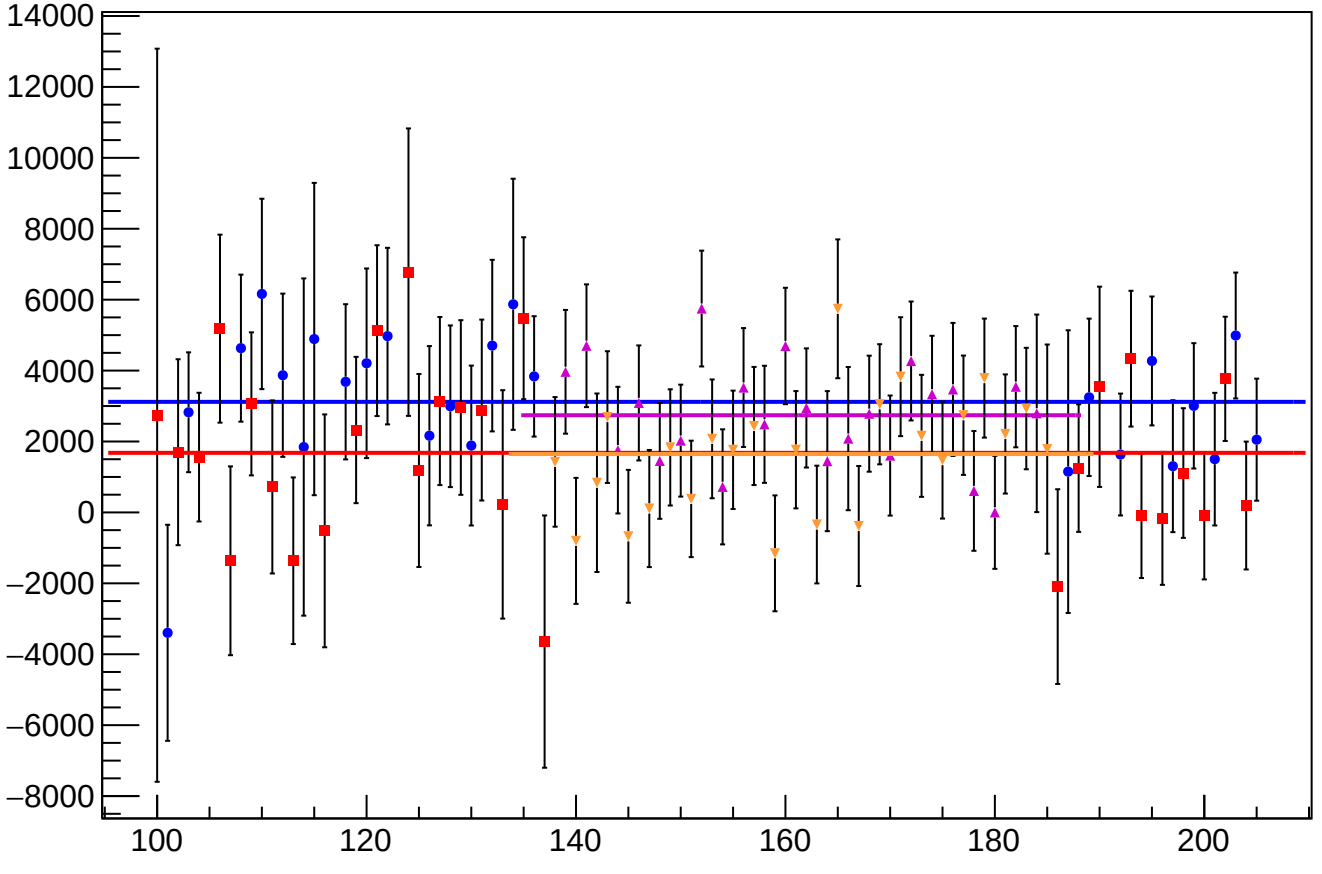
Right: 5422.084+/-0.765 χ^2/NDF: 7577251.7/53

In: 5320.558+/-0.685 χ^2/NDF:4133516.7/47

Out: 5146.128+/-0.652 χ^2/NDF:5923556.1/53

All: 5229.066+/-0.473 χ^2/NDF: 10091057.9/1

cor_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3118.078+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1680.695+/-423.036 χ^2/NDF: 25.1/28

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

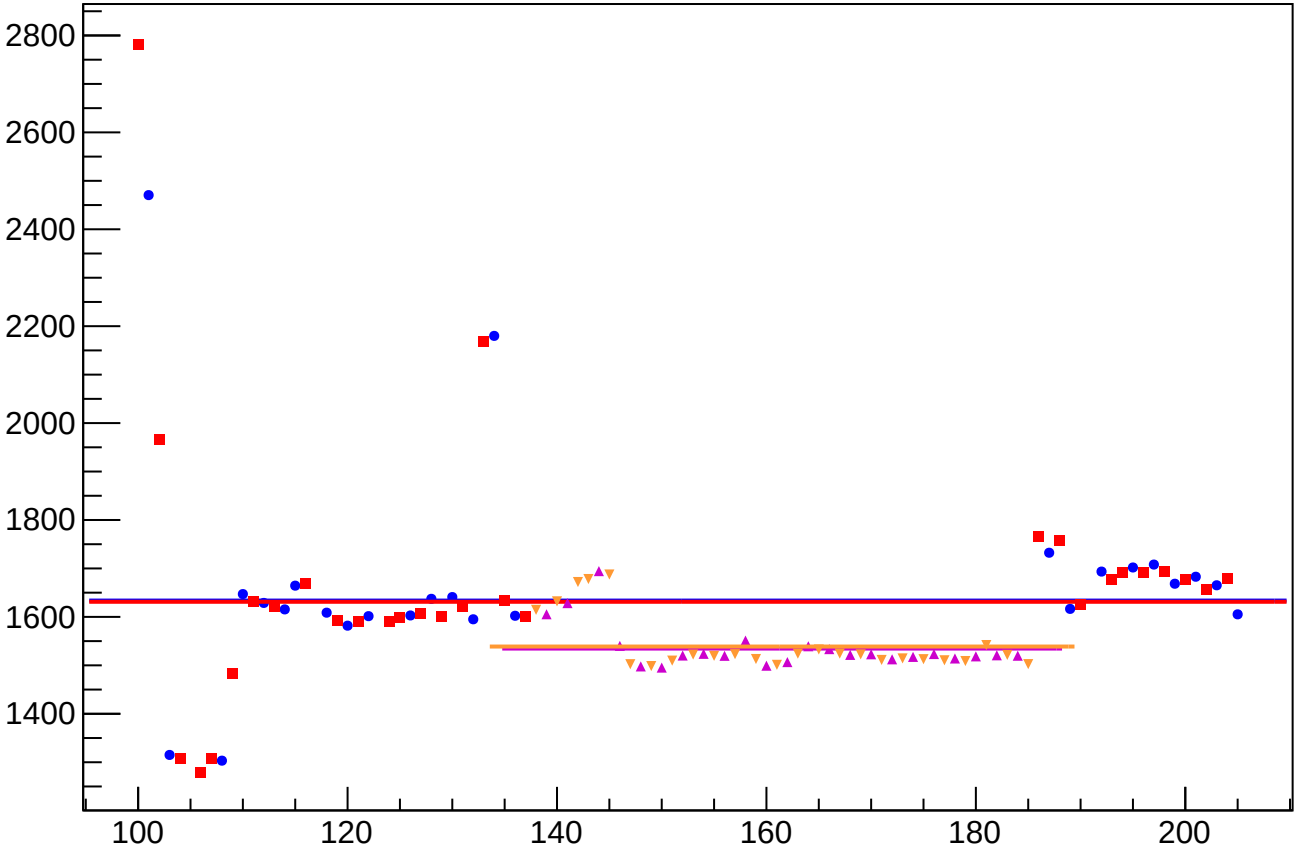
Right: 2375.205+/-304.122 χ^2/NDF: 44.5/53

In: 2892.348+/-277.279 χ^2/NDF:30.7/47

Out: 1660.261+/-269.558 χ^2/NDF:46.2/53

All: 2258.912+/-193.279 χ^2/NDF: 87.0/101

cor_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1633.684+/-0.309 χ^2/NDF: 336488.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1631.193+/-0.299 χ^2/NDF: 286991.7/28

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

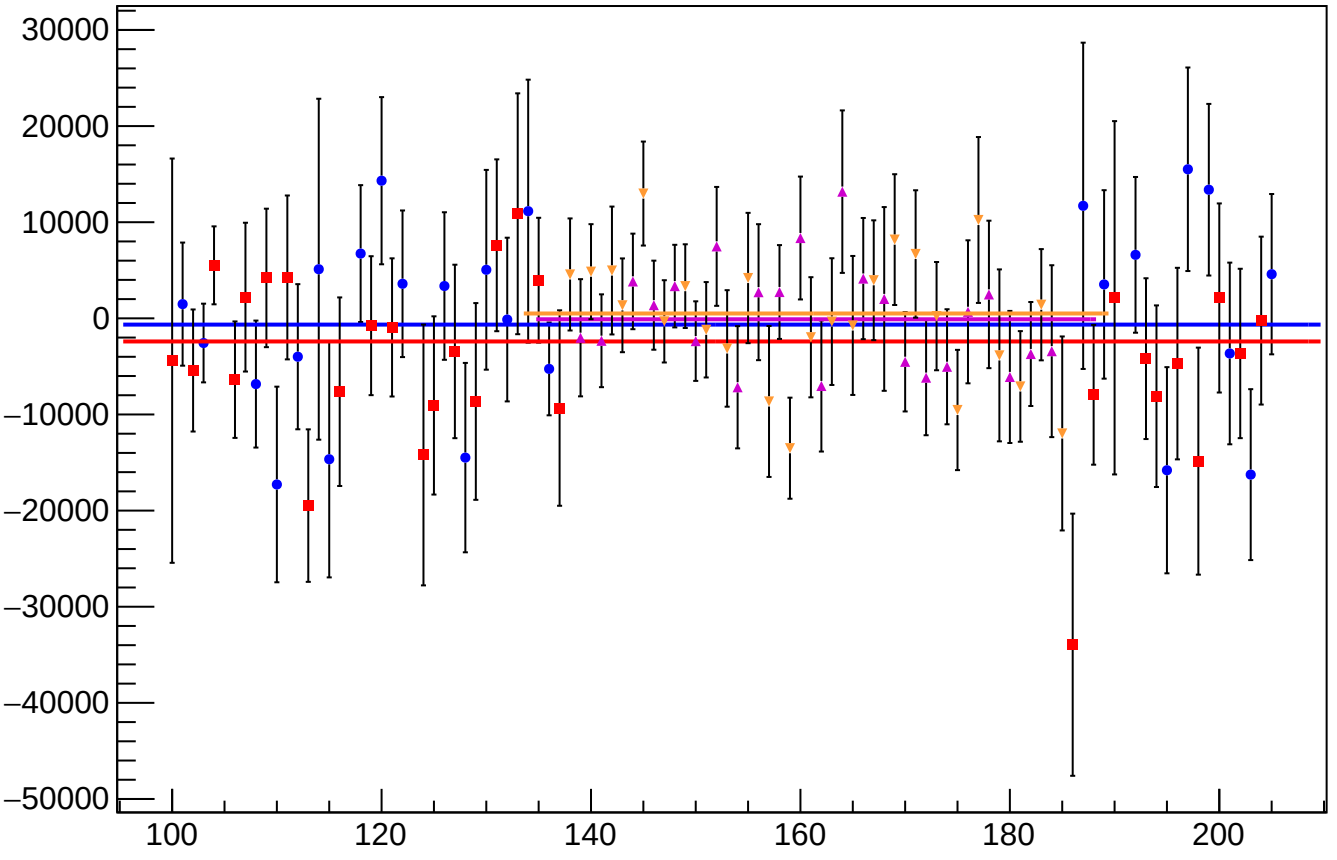
Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

Right: 1632.394+/-0.215 χ^2/NDF: 623514.2/53

In: 1574.406+/-0.196 χ^2/NDF:428968.5/47

Out: 1576.411+/-0.190 χ^2/NDF:390839.5/53

All: 1575.437+/-0.137 χ^2/NDF: 819861.8/101



Right In: -651.929+/-1600.804 χ^2/NDF: 25.9/24

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2405.122+/-1529.964 χ^2/NDF: 24.6/28

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

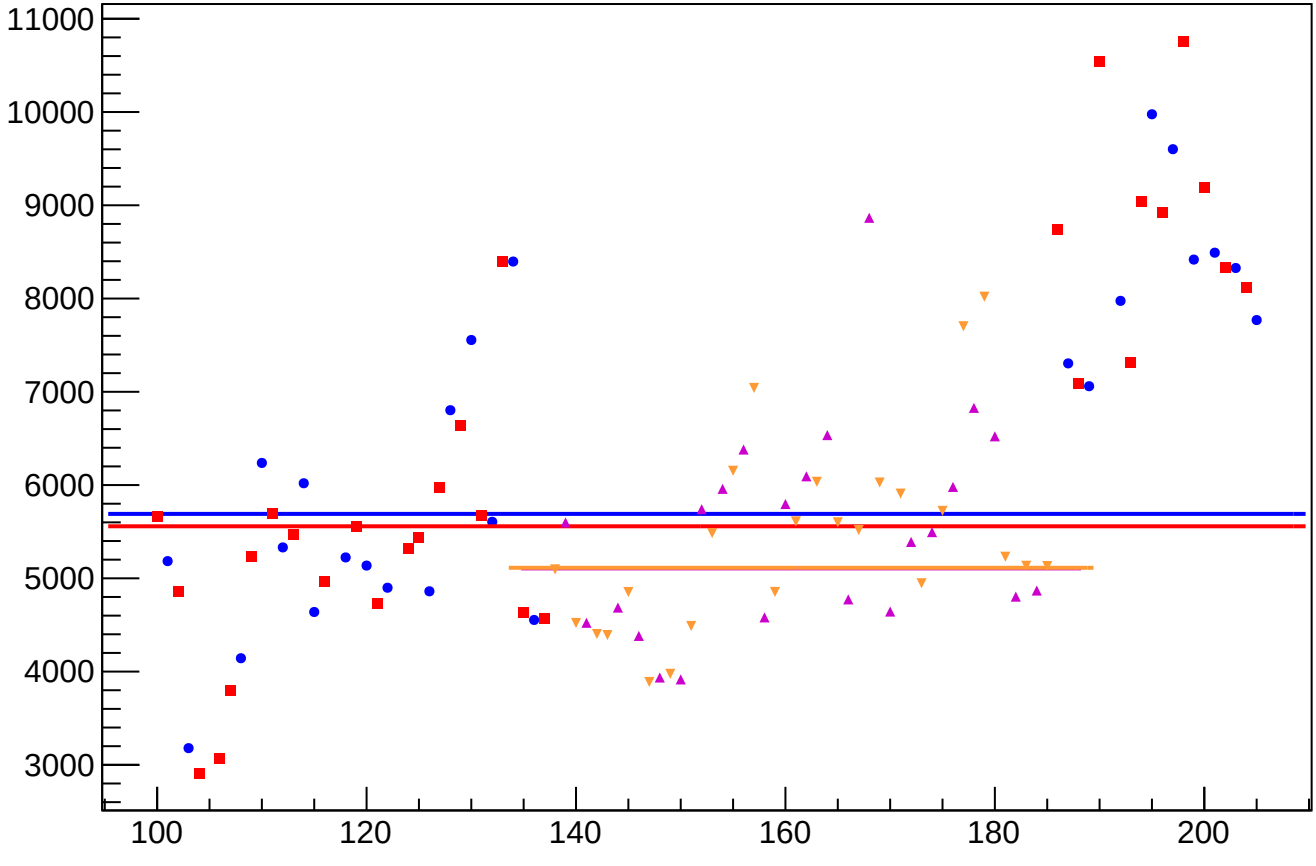
Right: -1568.174+/-1106.044 χ^2/NDF: 51.2/53

In: -300.969+/-969.111 χ^2/NDF:40.9/47

Out: -589.542+/-937.993 χ^2/NDF:53.7/53

All: -449.963+/-673.994 χ^2/NDF: 94.6/101

asym_usr_atr2_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5690.879+/-1.132 χ^2/NDF: 2712699.8/24

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5557.979+/-1.082 χ^2/NDF: 3512527.9/28

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

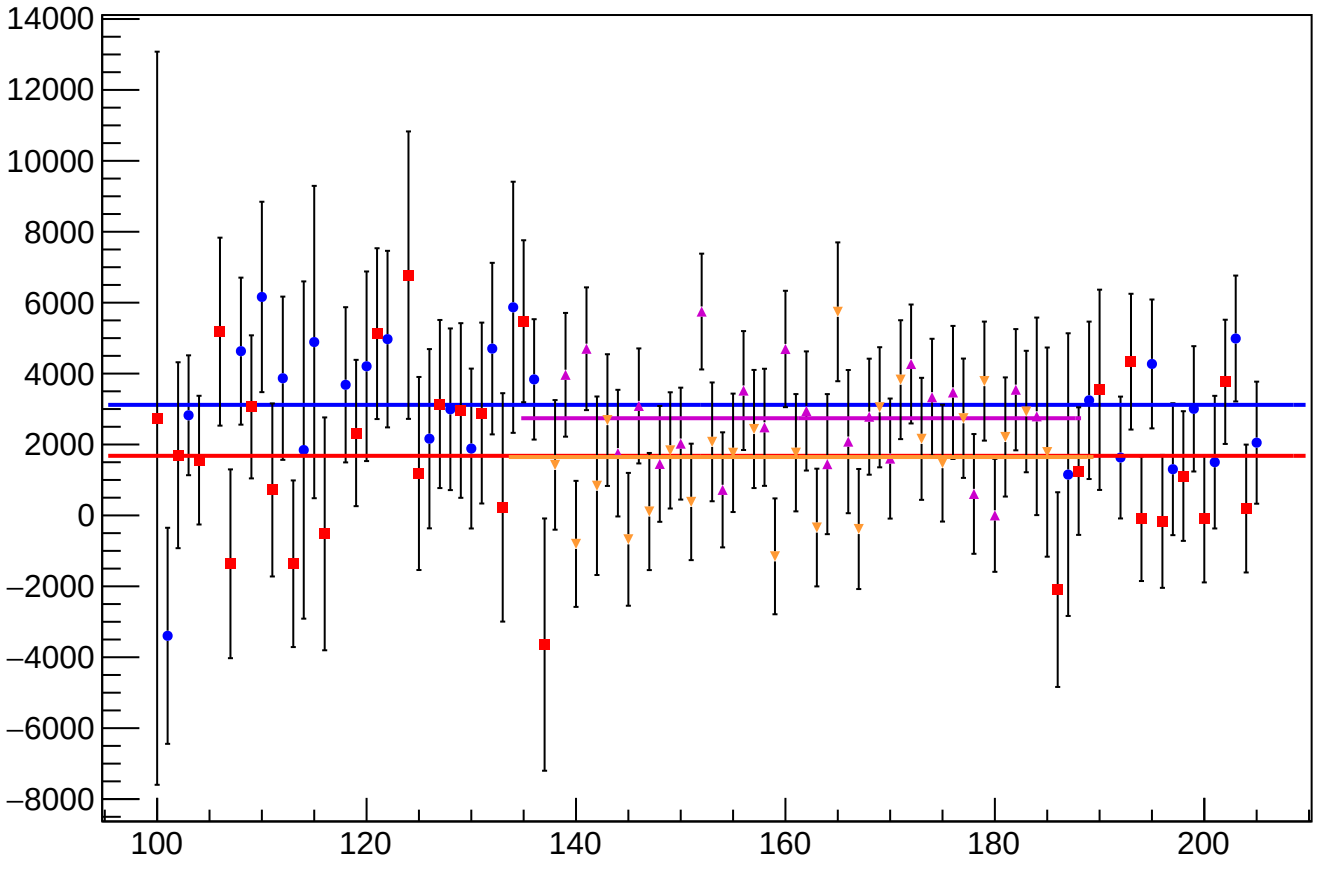
Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

Right: 5621.423+/-0.782 χ^2/NDF: 6232432.0/53

In: 5320.600+/-0.685 χ^2/NDF:4133236.1/47

Out: 5280.220+/-0.663 χ^2/NDF:4777166.5/53

All: 5299.751+/-0.477 χ^2/NDF: 8912195.3/10



Right In: 3118.078+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: 1680.695+/-423.036 χ^2/NDF: 25.1/28

Left In: 2740.826+/-358.458 χ^2/NDF:16.4/22

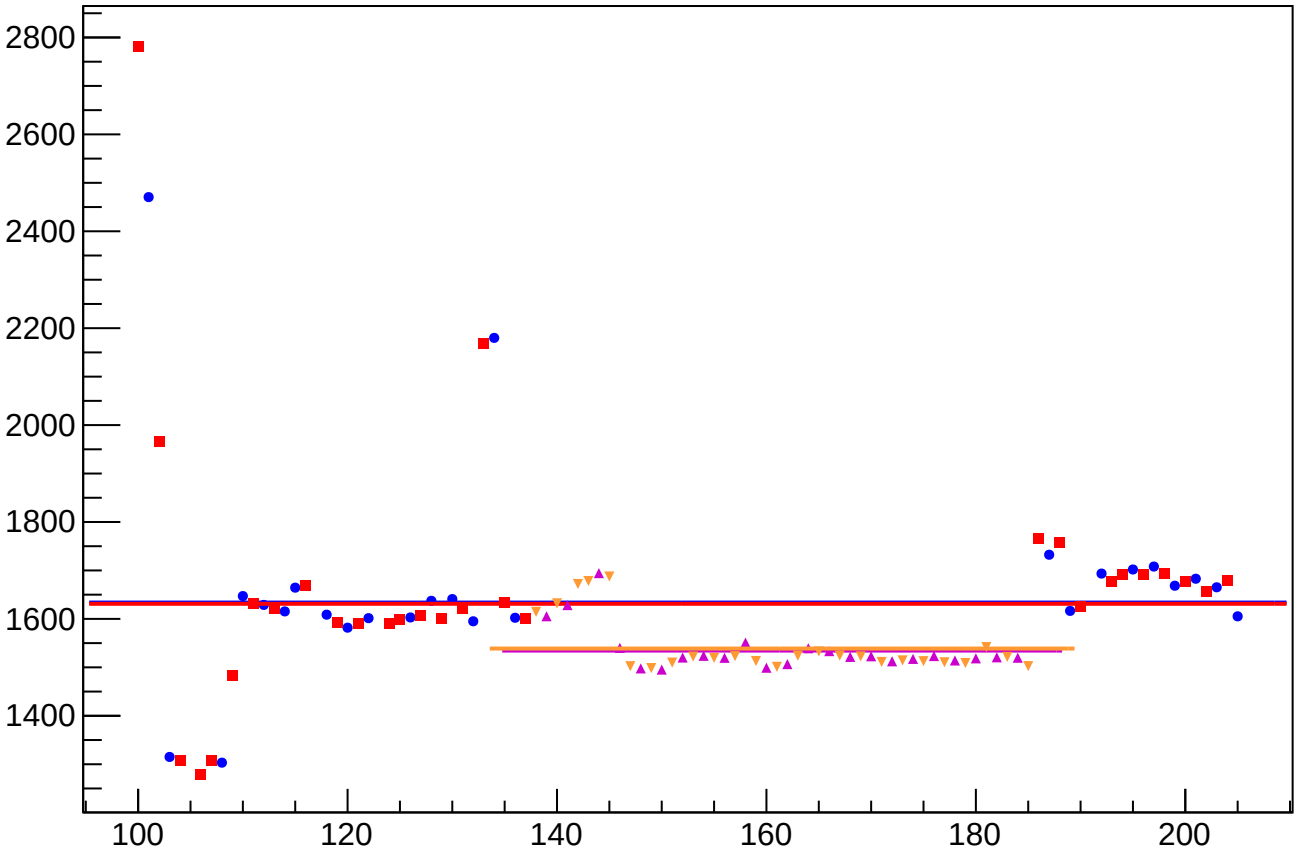
Left: 2180.117+/-250.336 χ^2/NDF: 42.3/47

Right: 2375.205+/-304.122 χ^2/NDF: 44.5/53

In: 2892.348+/-277.279 χ^2/NDF:30.7/47

Out: 1660.261+/-269.558 χ^2/NDF:46.2/53

All: 2258.912+/-193.279 χ^2/NDF: 87.0/101



Right In: 1633.684+/-0.309 χ^2/NDF: 336488.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1631.193+/-0.299 χ^2/NDF: 286991.7/28

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

Left: 1536.764+/-0.177 χ^2/NDF: 78317.1/47

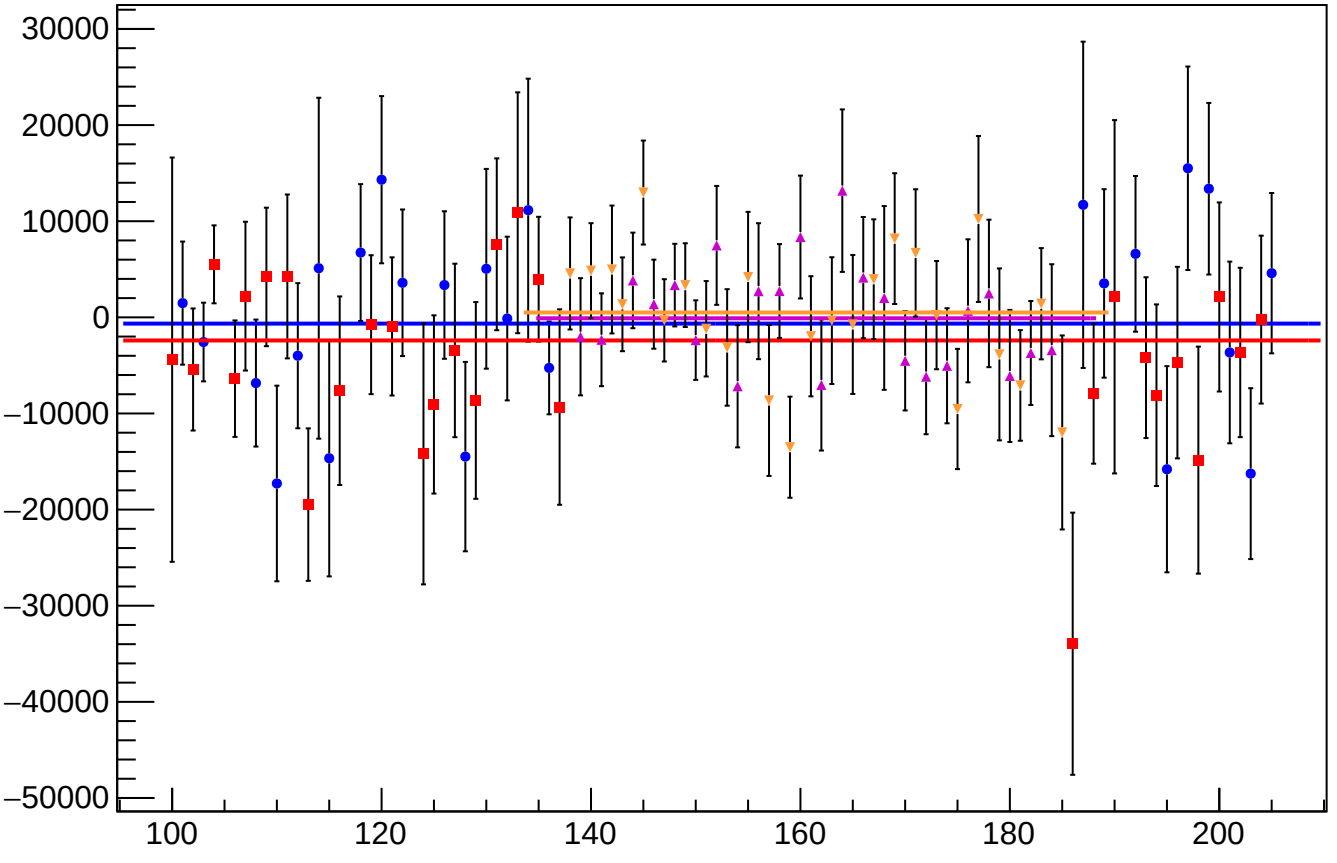
Right: 1632.394+/-0.215 χ^2/NDF: 623514.2/53

In: 1574.406+/-0.196 χ^2/NDF:428968.5/47

Out: 1576.411+/-0.190 χ^2/NDF:390839.5/53

All: 1575.437+/-0.137 χ^2/NDF: 819861.8/101

asym_usr_atr2_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -651.929+/-1600.804 χ^2/NDF: 25.9/24

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: -2405.122+/-1529.964 χ^2/NDF: 24.6/28

Left In: -97.930+/-1217.585 χ^2/NDF:14.9/22

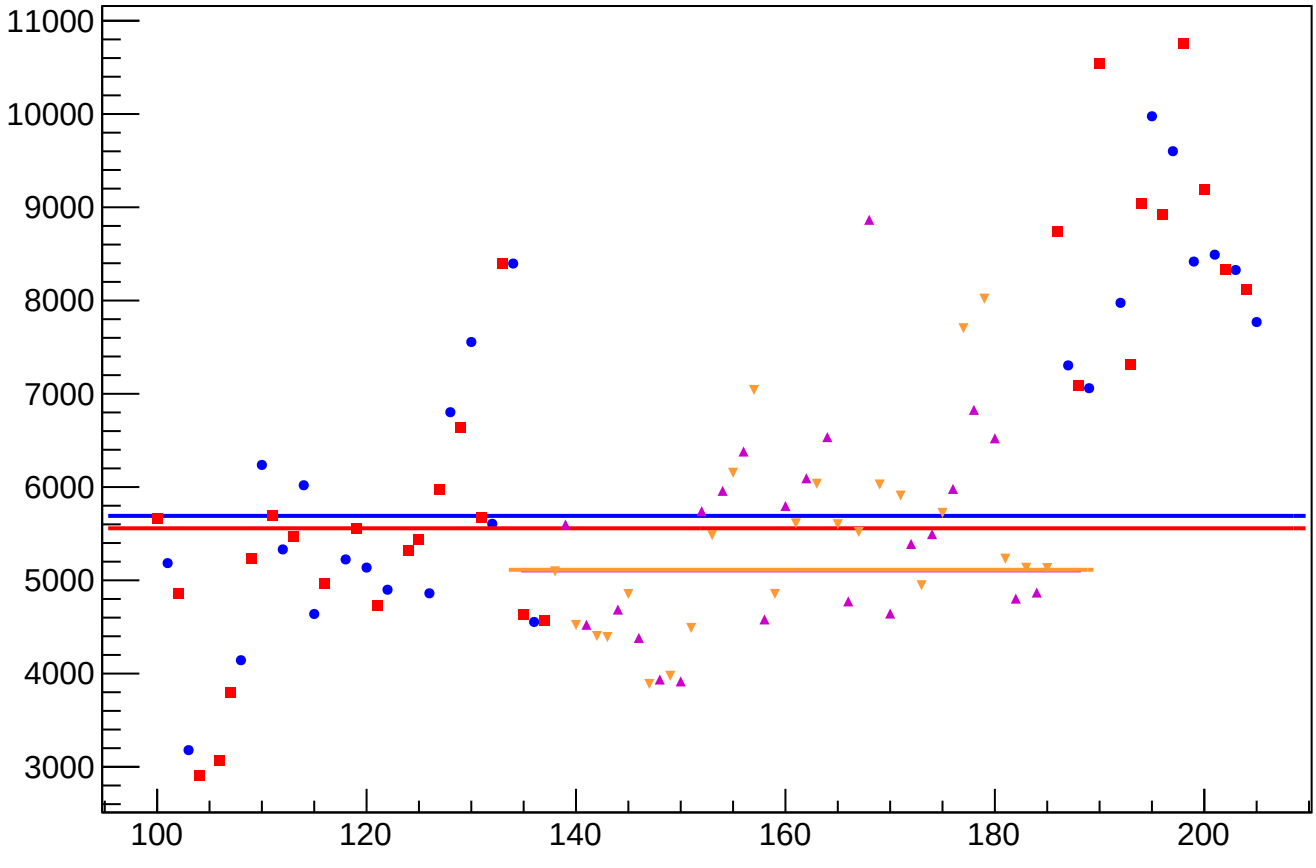
Left: 210.536+/-850.054 χ^2/NDF: 41.8/47

Right: -1568.174+/-1106.044 χ^2/NDF: 51.2/53

In: -300.969+/-969.111 χ^2/NDF:40.9/47

Out: -589.542+/-937.993 χ^2/NDF:53.7/53

All: -449.963+/-673.994 χ^2/NDF: 94.6/101



Right In: 5690.879+/-1.132 χ^2/NDF: 2712699.8/24

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5557.979+/-1.082 χ^2/NDF: 3512527.9/28

Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

Left: 5109.748+/-0.601 χ^2/NDF: 2410675.9/47

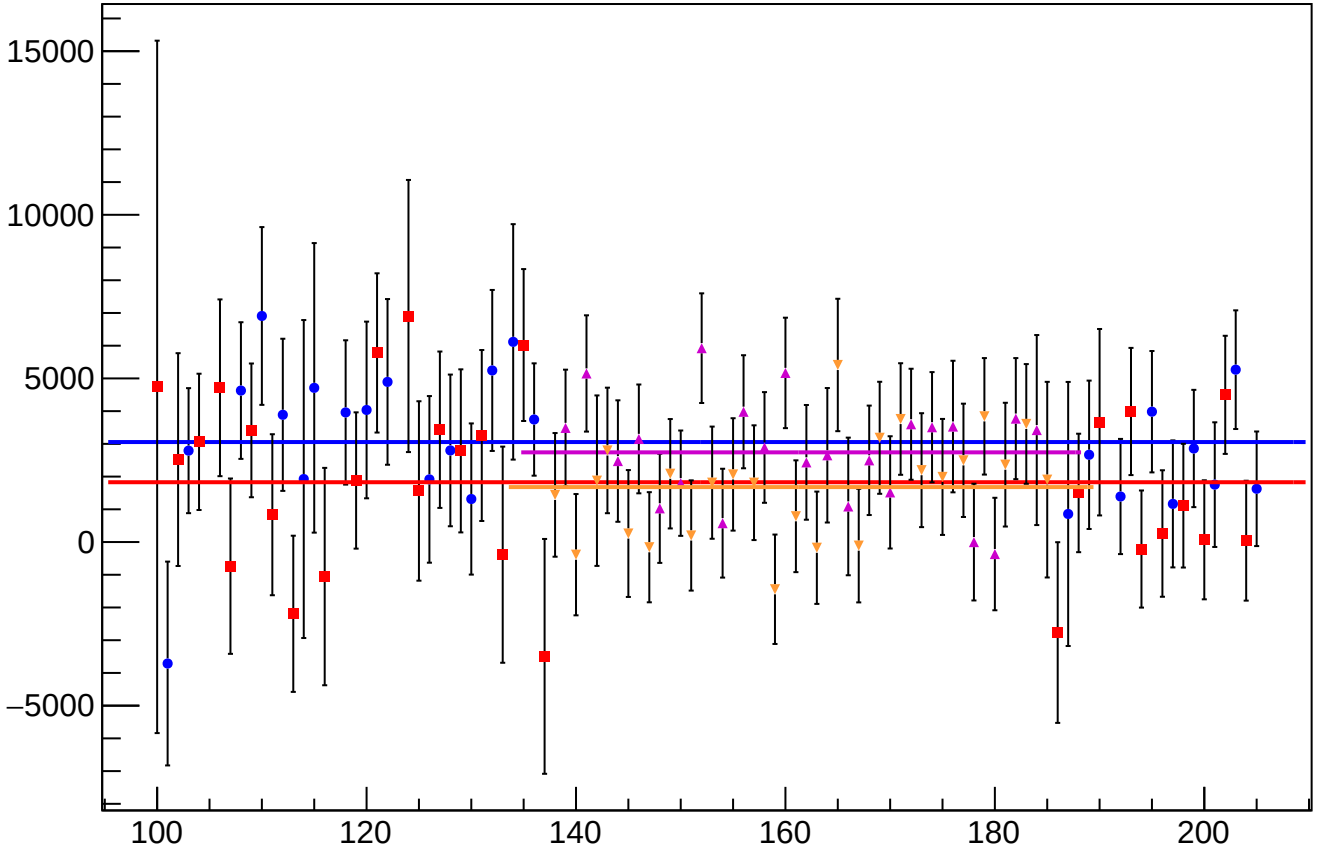
Right: 5621.423+/-0.782 χ^2/NDF: 6232432.0/53

In: 5320.600+/-0.685 χ^2/NDF:4133236.1/47

Out: 5280.220+/-0.663 χ^2/NDF:4777166.5/53

All: 5299.751+/-0.477 χ^2/NDF: 8912195.3/10

dit_asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3055.589+/-448.037 χ^2/NDF: 16.0/24

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: 1827.818+/-434.332 χ^2/NDF: 28.5/28

Left In: 2740.666+/-370.604 χ^2/NDF:19.2/22

Left: 2198.022+/-259.104 χ^2/NDF: 42.3/47

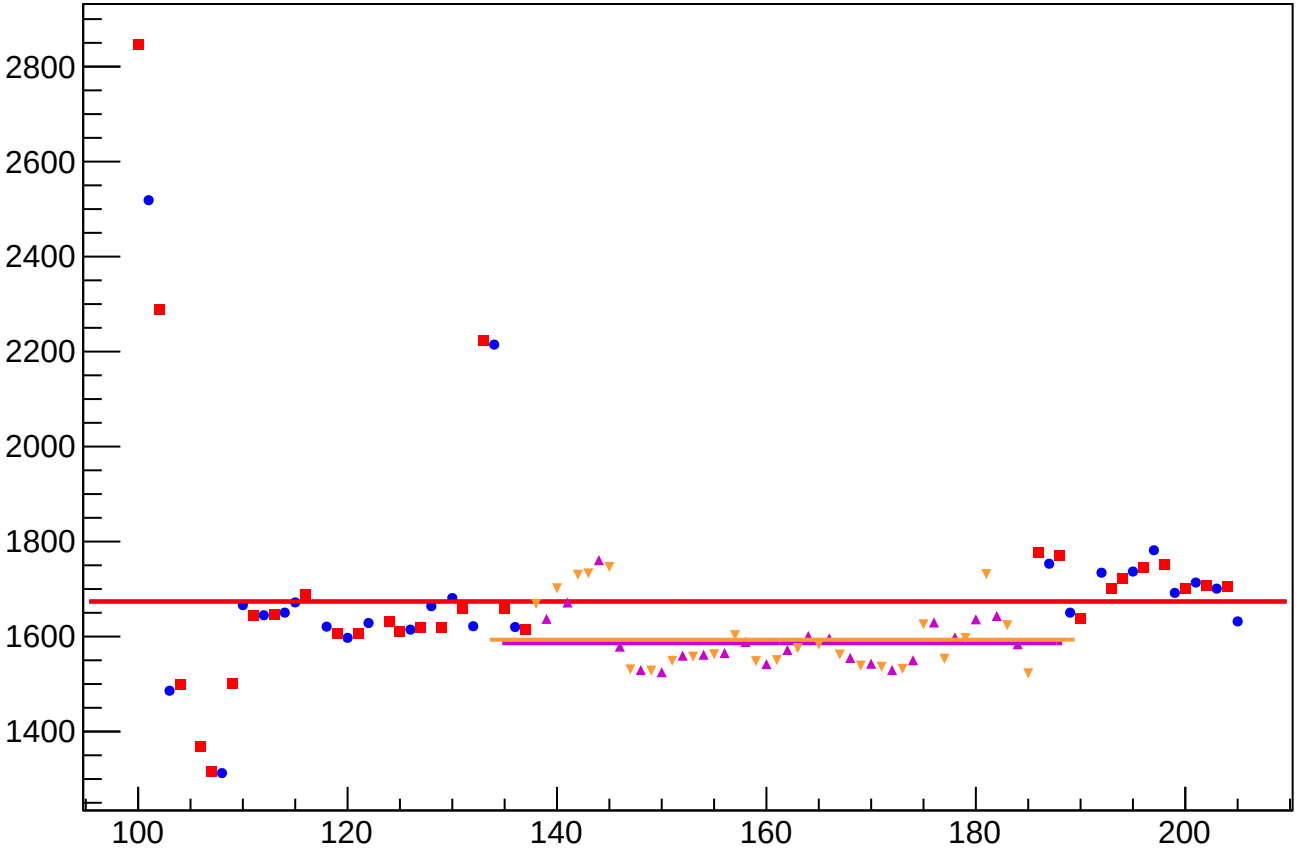
Right: 2422.638+/-311.852 χ^2/NDF: 48.3/53

In: 2868.604+/-285.569 χ^2/NDF:35.5/47

Out: 1740.176+/-278.256 χ^2/NDF:47.5/53

All: 2289.755+/-199.292 χ^2/NDF: 91.0/101

dit_asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 1673.852+/-0.317 χ^2/NDF: 293957.2/24

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1673.753+/-0.307 χ^2/NDF: 268180.6/28

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

Left: 1589.737+/-0.183 χ^2/NDF: 114207.1/47

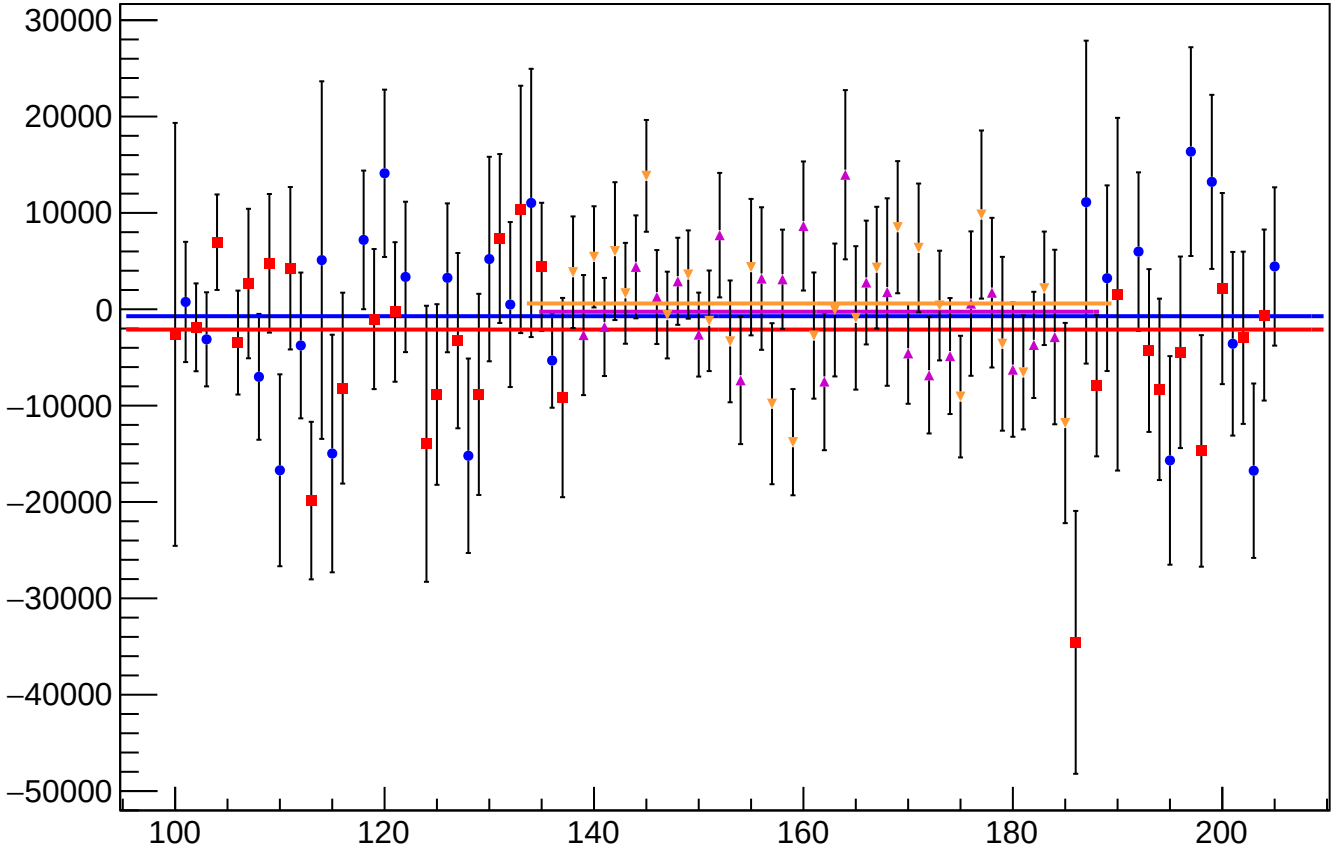
Right: 1673.801+/-0.220 χ^2/NDF: 562137.8/53

In: 1621.641+/-0.202 χ^2/NDF:381614.9/47

Out: 1626.390+/-0.197 χ^2/NDF:380448.2/53

All: 1624.078+/-0.141 χ^2/NDF: 762346.9/101

asym_usr_atr2_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -720.067+/-1645.086 χ^2/NDF: 25.8/24

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: -2106.334+/-1521.758 χ^2/NDF: 23.8/28

Left In: -255.905+/-1262.607 χ^2/NDF:14.6/22

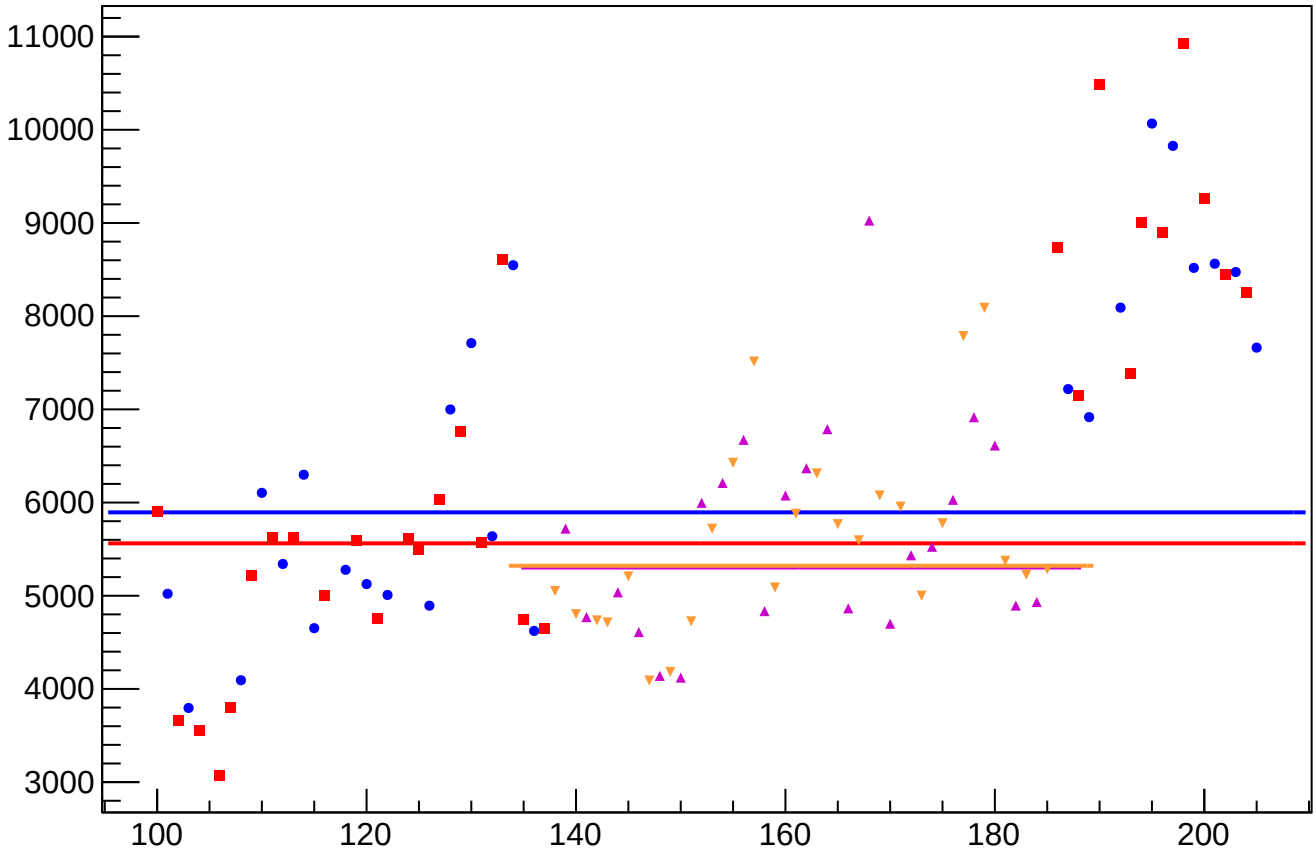
Left: 182.938+/-882.349 χ^2/NDF: 40.9/47

Right: -1467.105+/-1117.103 χ^2/NDF: 50.0/53

In: -427.968+/-1001.609 χ^2/NDF:40.5/47

Out: -472.057+/-958.266 χ^2/NDF:51.8/53

All: -450.987+/-692.412 χ^2/NDF: 92.3/101



Right In: 5894.848+/-1.163 χ^2/NDF: 2294314.0/24

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5562.230+/-1.076 χ^2/NDF: 3433194.5/28

Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

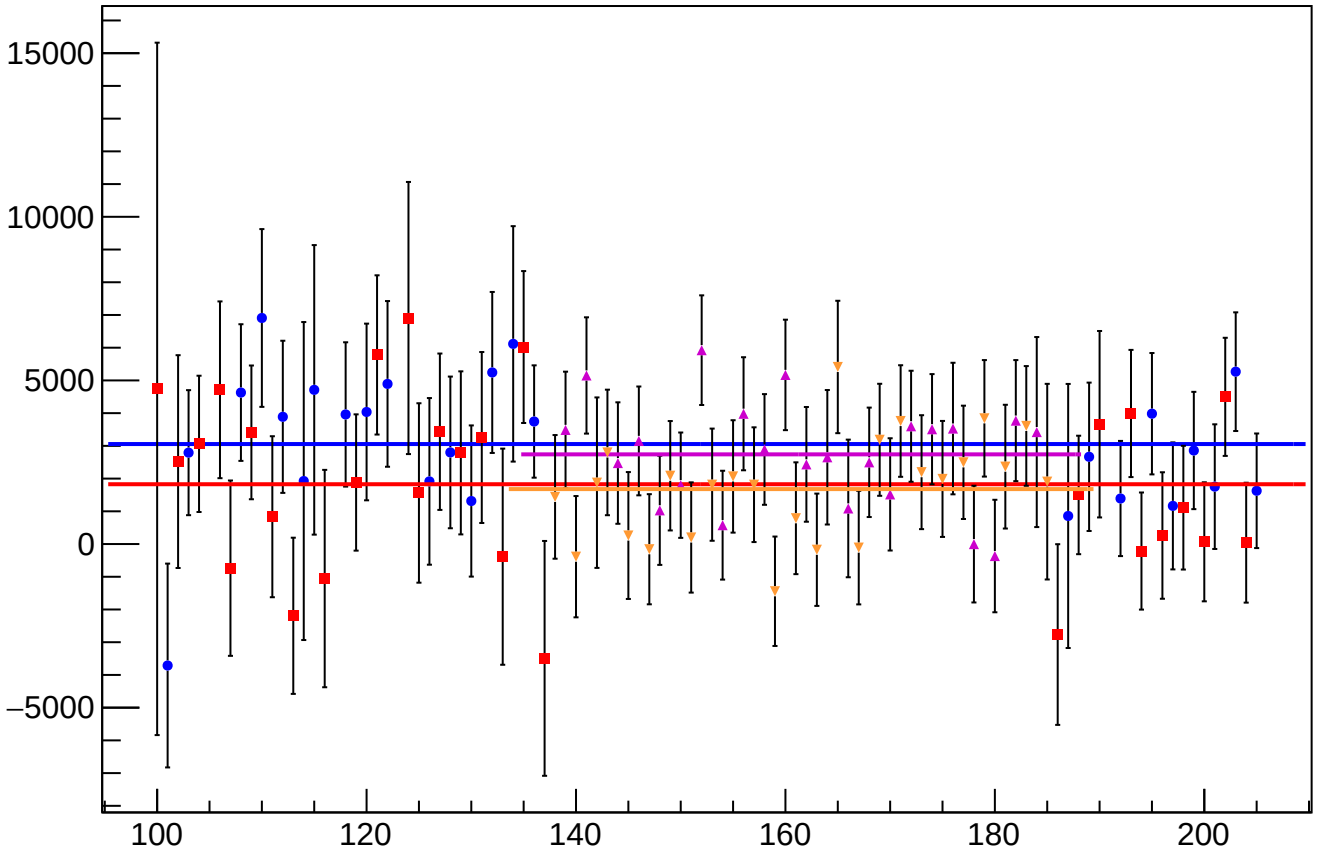
Left: 5312.625+/-0.624 χ^2/NDF: 2189619.6/47

Right: 5715.605+/-0.790 χ^2/NDF: 5771568.1/53

In: 5522.301+/-0.708 χ^2/NDF:3609677.4/47

Out: 5417.233+/-0.678 χ^2/NDF:4500292.5/53

All: 5467.445+/-0.490 χ^2/NDF: 8121460.3/10



Right In: 3055.588+/-448.037 χ^2/NDF: 16.0/24

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: 1827.818+/-434.332 χ^2/NDF: 28.5/28

Left In: 2740.666+/-370.605 χ^2/NDF:19.2/22

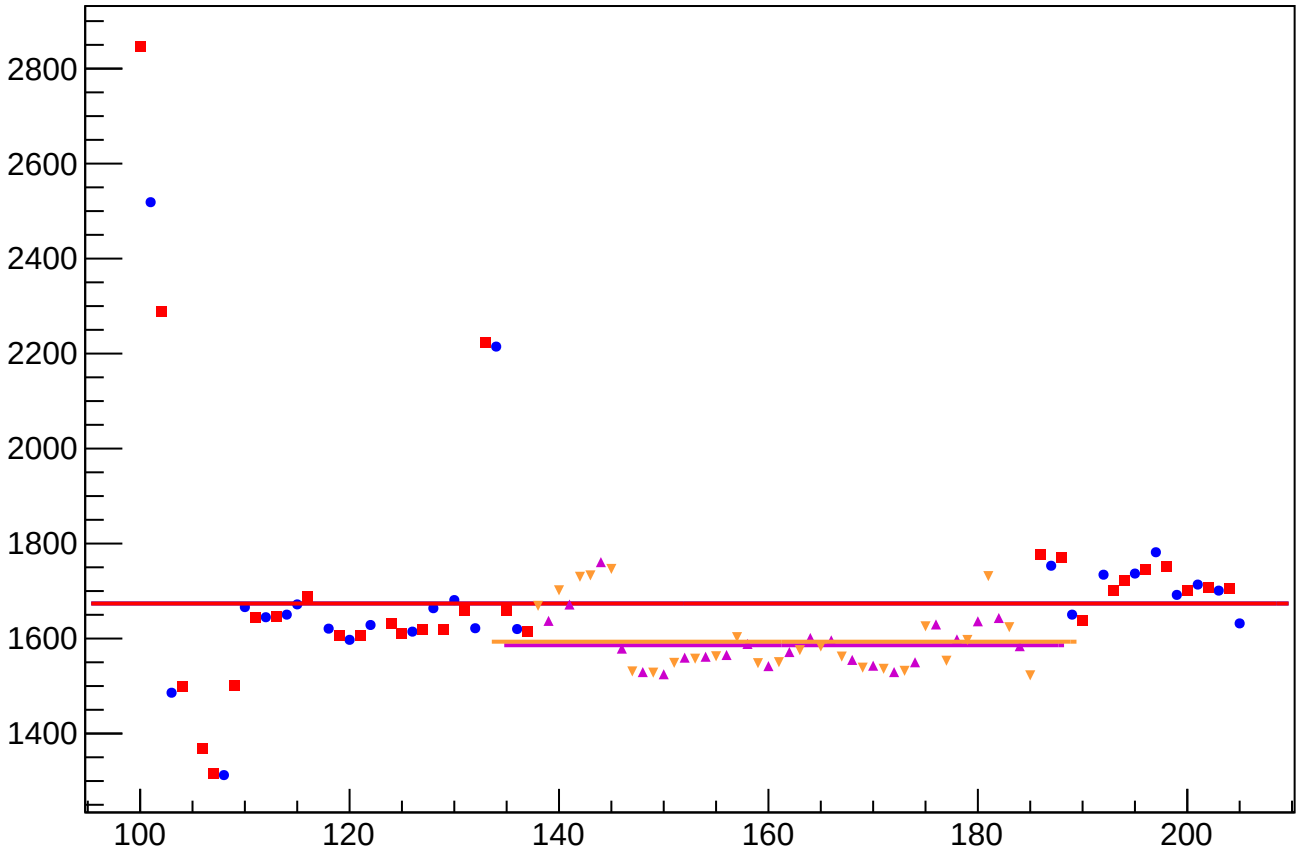
Left: 2198.019+/-259.104 χ^2/NDF: 42.3/47

Right: 2422.638+/-311.852 χ^2/NDF: 48.3/53

In: 2868.604+/-285.570 χ^2/NDF:35.5/47

Out: 1740.172+/-278.256 χ^2/NDF:47.5/53

All: 2289.753+/-199.292 χ^2/NDF: 91.0/101



Right In: 1673.852+/-0.317 χ^2/NDF: 293957.6/24

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1673.753+/-0.307 χ^2/NDF: 268180.6/28

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

Left: 1589.737+/-0.183 χ^2/NDF: 114206.7/47

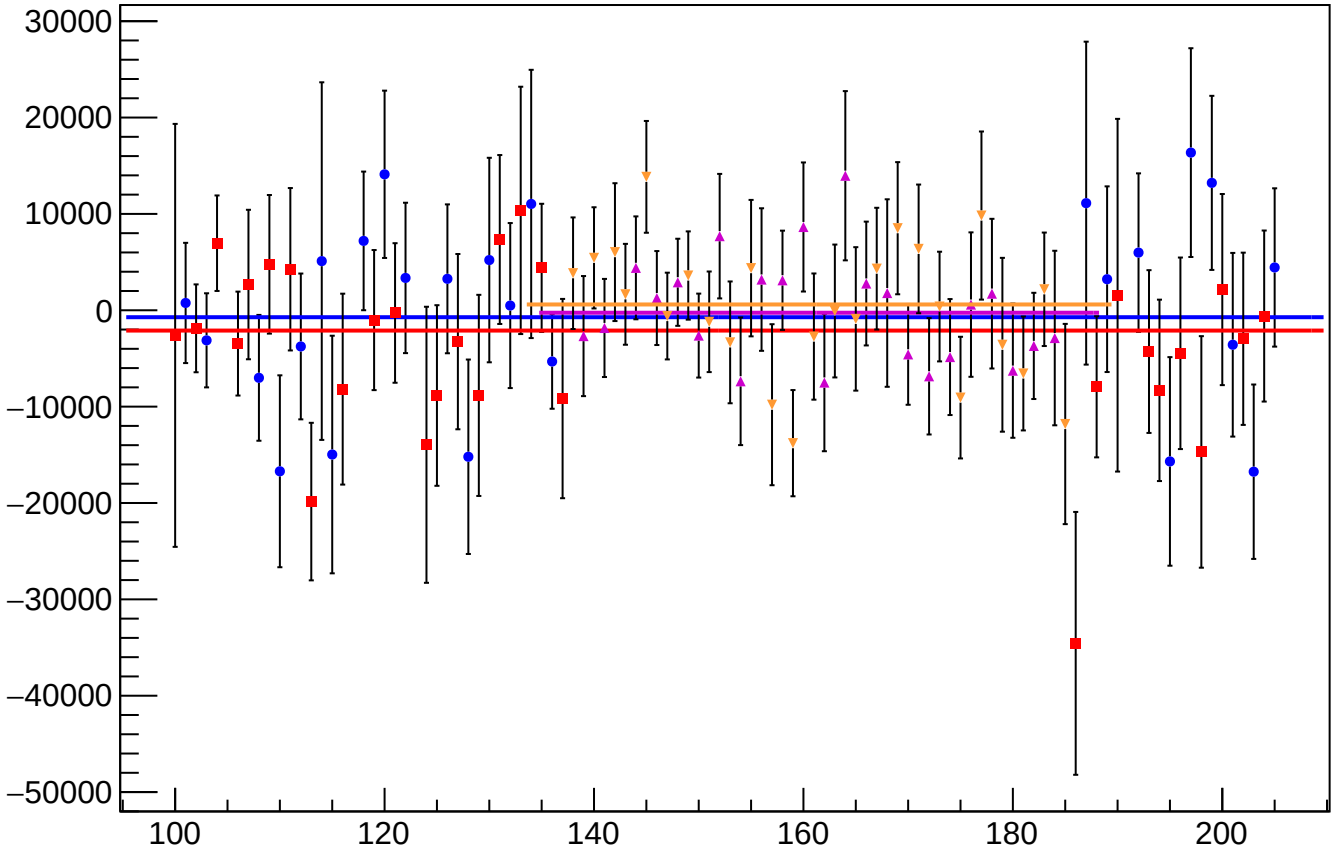
Right: 1673.801+/-0.220 χ^2/NDF: 562138.2/53

In: 1621.642+/-0.202 χ^2/NDF:381613.6/47

Out: 1626.390+/-0.197 χ^2/NDF:380447.2/53

All: 1624.078+/-0.141 χ^2/NDF: 762344.6/101

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -720.057+/-1645.085 χ^2/NDF: 25.8/24

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

Right Out: -2106.332+/-1521.756 χ^2/NDF: 23.8/28

Left In: -255.907+/-1262.609 χ^2/NDF:14.6/22

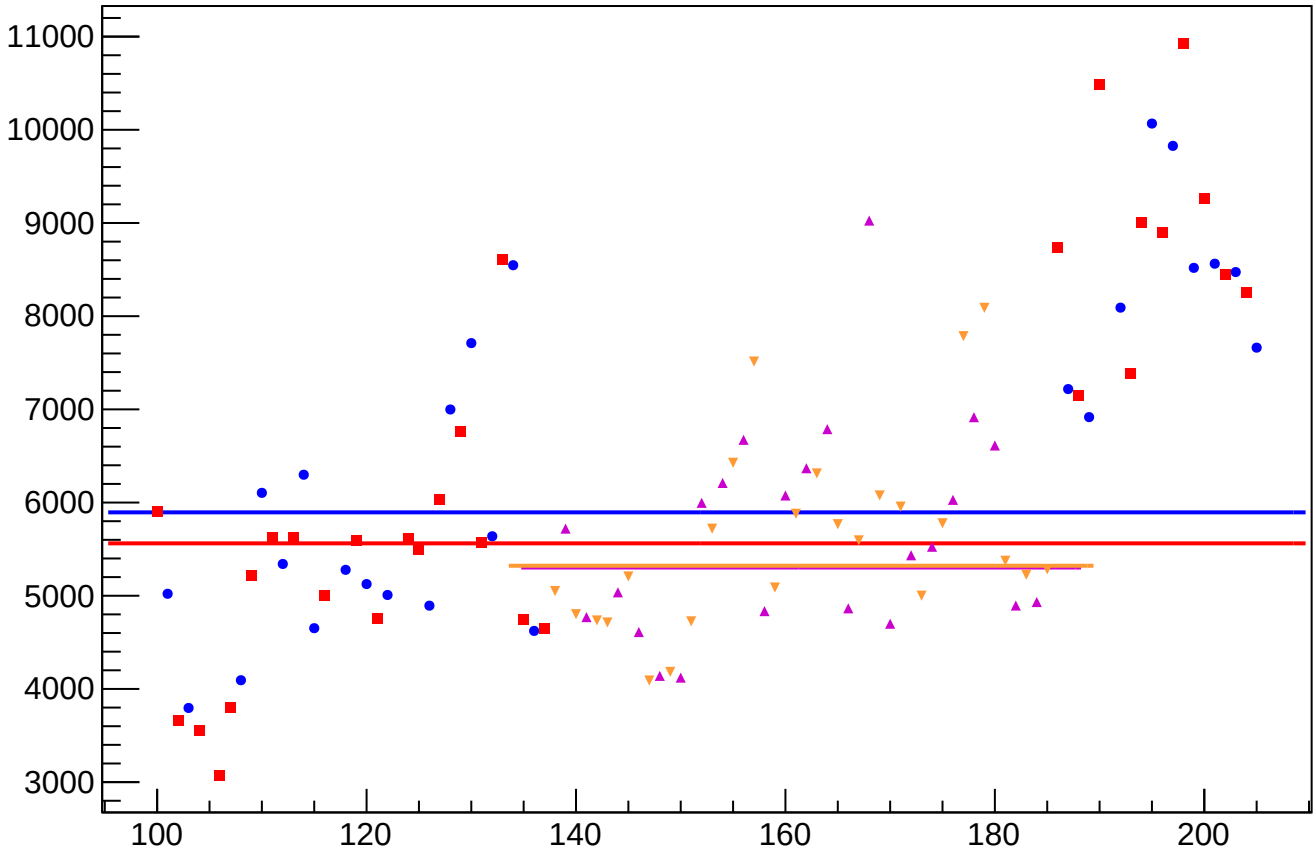
Left: 182.935+/-882.350 χ^2/NDF: 40.9/47

Right: -1467.100+/-1117.103 χ^2/NDF: 50.0/53

In: -427.967+/-1001.610 χ^2/NDF:40.5/47

Out: -472.061+/-958.267 χ^2/NDF:51.8/53

All: -450.989+/-692.413 χ^2/NDF: 92.3/101



Right In: 5894.842+/-1.163 χ^2/NDF: 2294324.0/24

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5562.223+/-1.076 χ^2/NDF: 3433205.2/28

Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

Left: 5312.634+/-0.624 χ^2/NDF: 2189625.8/47

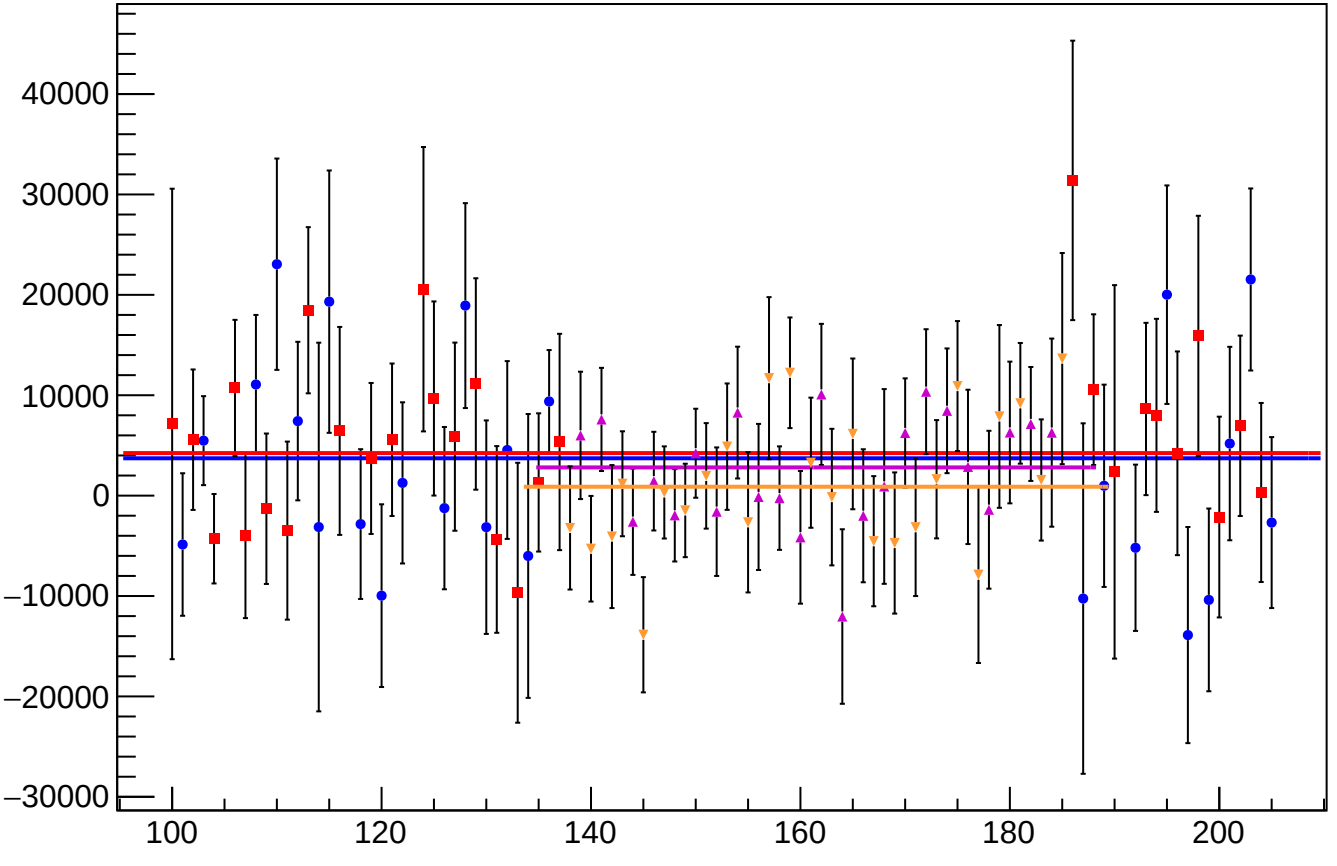
Right: 5715.599+/-0.790 χ^2/NDF: 5771589.1/53

In: 5522.306+/-0.708 χ^2/NDF:3609683.5/47

Out: 5417.236+/-0.678 χ^2/NDF:4500301.4/53

All: 5467.448+/-0.490 χ^2/NDF: 8121475.5/10

asym_usr_atr2_avg_mean vs Slug, Sign Corrected



Right In: 3719.664+/-1680.038 χ^2/NDF: 29.4/24

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: 4238.216+/-1613.869 χ^2/NDF: 20.9/28

Left In: 2810.702+/-1277.225 χ^2/NDF:14.7/22

Left: 1824.657+/-892.073 χ^2/NDF: 41.5/47

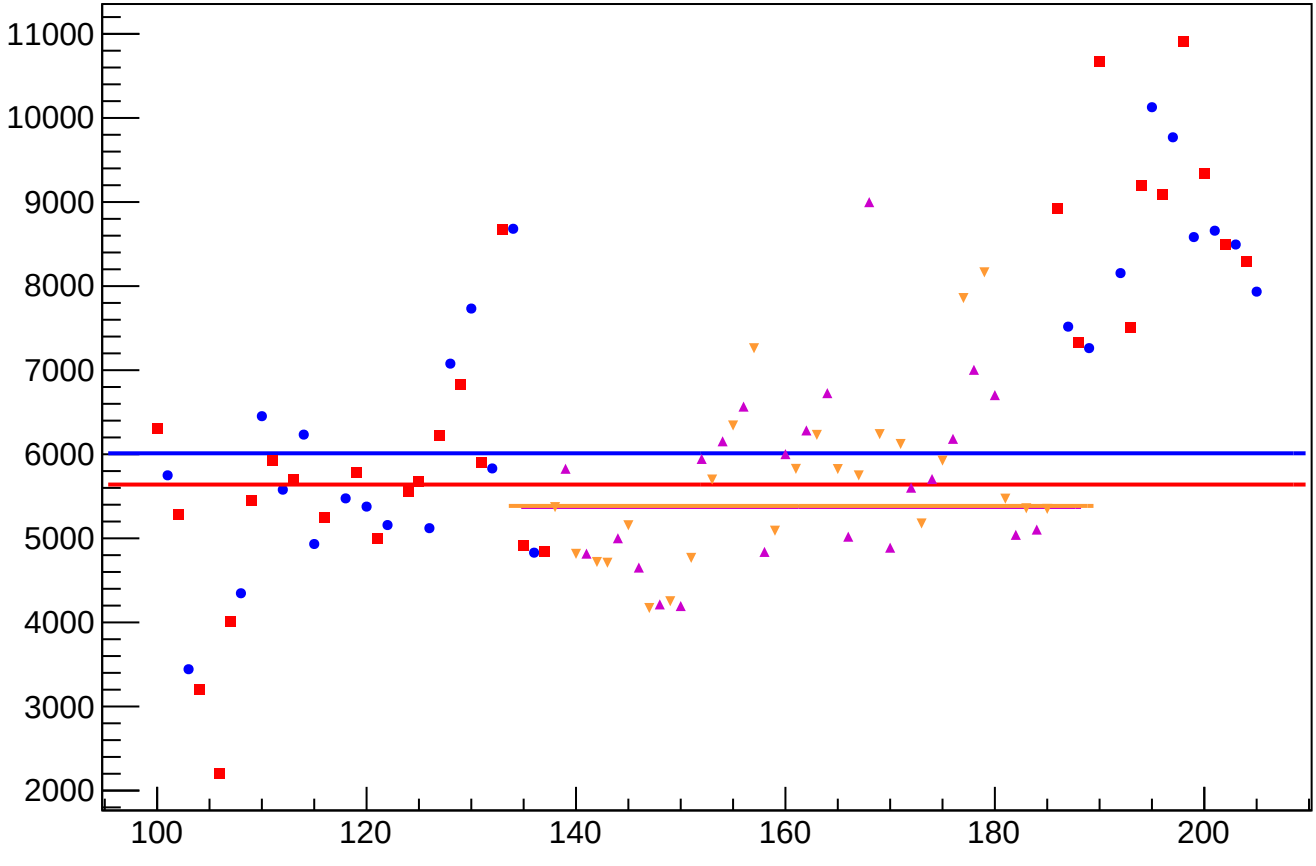
Right: 3989.353+/-1163.867 χ^2/NDF: 50.3/53

In: 3143.627+/-1016.763 χ^2/NDF:44.3/47

Out: 2138.231+/-986.508 χ^2/NDF:49.2/53

All: 2625.749+/-708.021 χ^2/NDF: 94.0/101

asym_usr_atr2_avg_rms vs Slug, Sign Corrected



Right In: 6011.487+/-1.188 χ^2/NDF: 2405498.0/24

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

Right Out: 5639.750+/-1.109 χ^2/NDF: 3940420.6/28

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

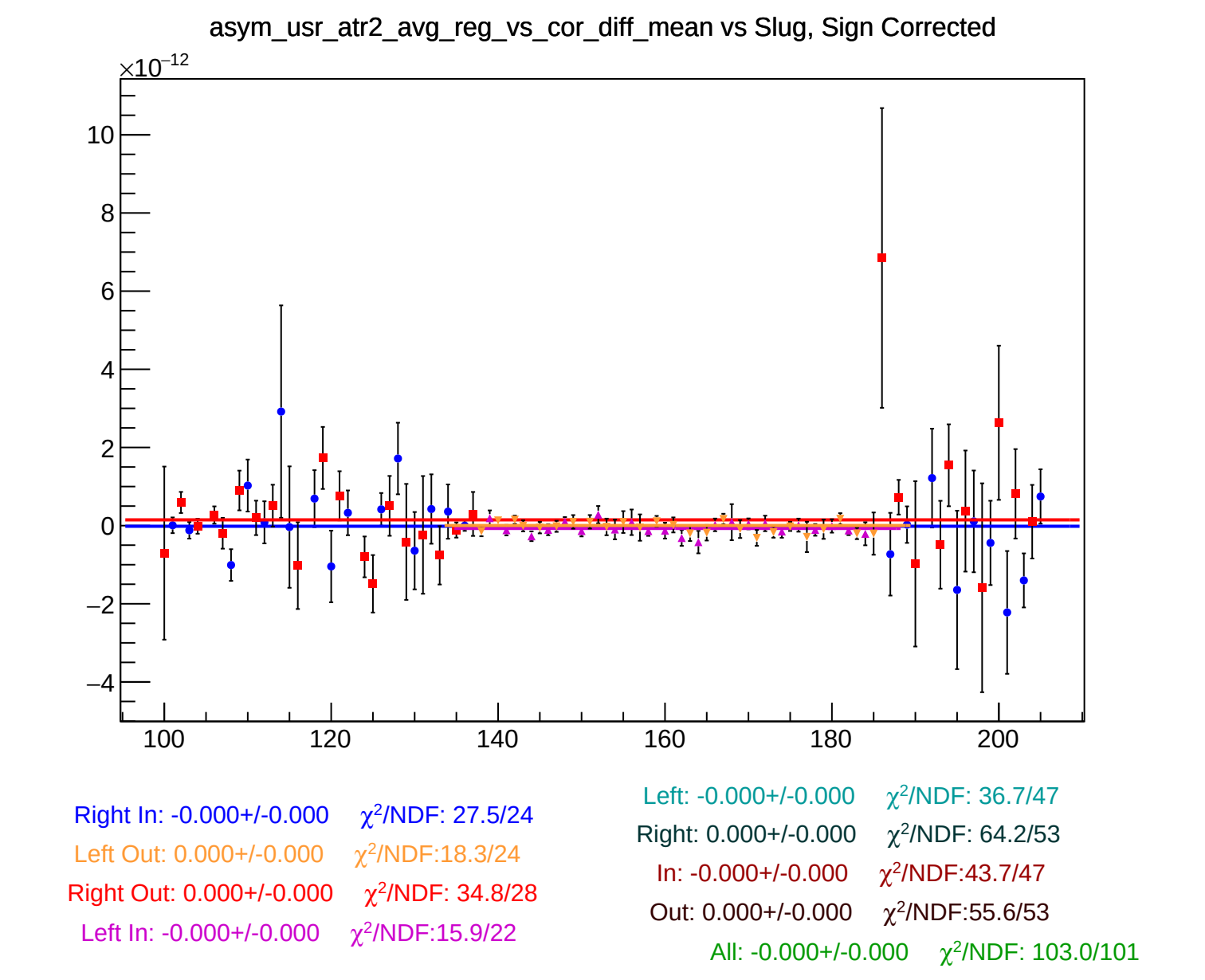
Left: 5379.416+/-0.631 χ^2/NDF: 2059013.2/47

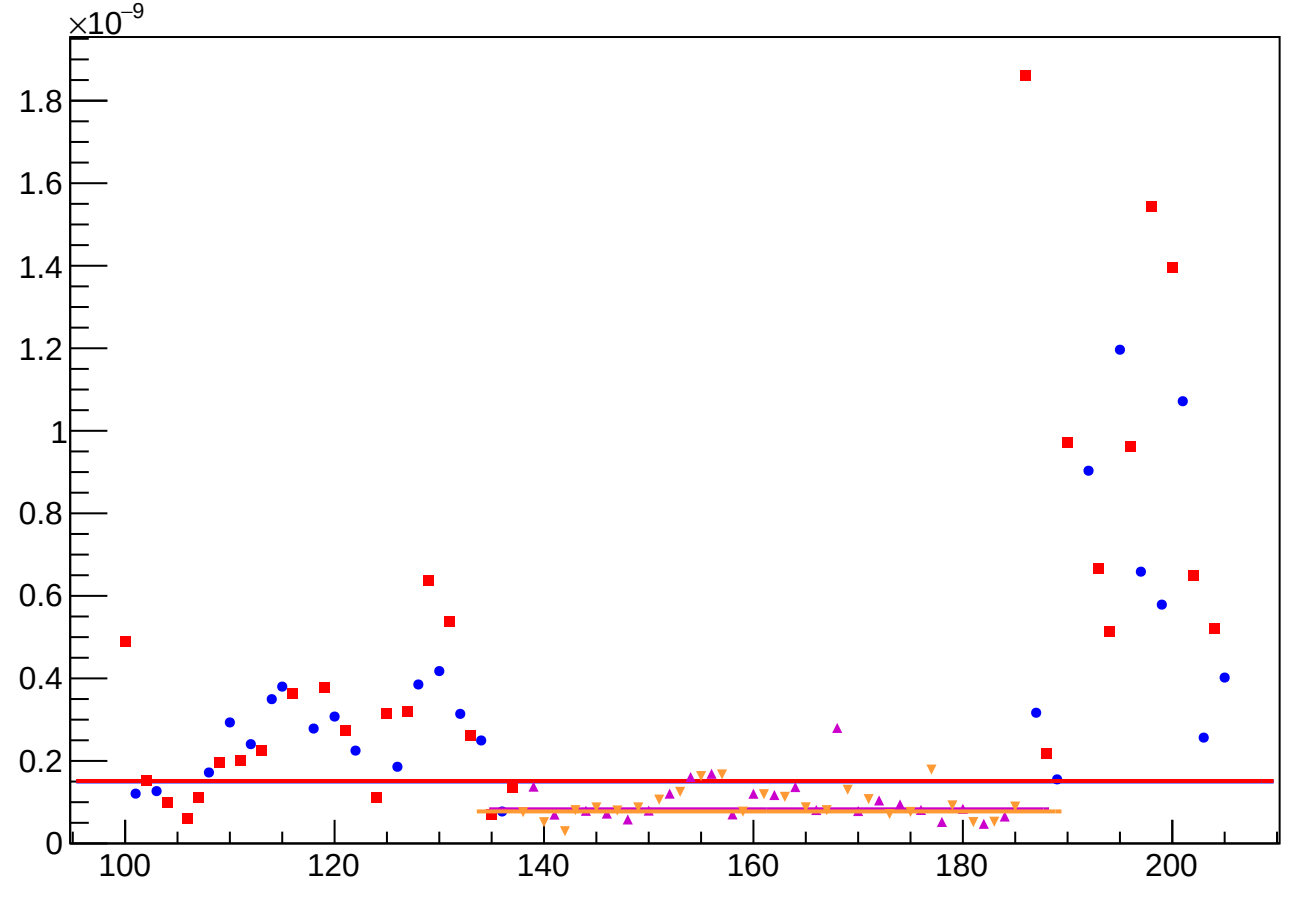
Right: 5812.781+/-0.810 χ^2/NDF: 6398259.0/53

In: 5606.774+/-0.719 χ^2/NDF:3660458.5/47

Out: 5484.069+/-0.690 χ^2/NDF:4959699.2/53

All: 5542.893+/-0.498 χ^2/NDF: 8635322.0/10


asym_usr_atr2_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: 0.000+/-0.000 χ²/NDF:18.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.8/28
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
Left: -0.000+/-0.000 χ²/NDF: 36.7/47
Right: 0.000+/-0.000 χ²/NDF: 64.2/53
In: -0.000+/-0.000 χ²/NDF:43.7/47
Out: 0.000+/-0.000 χ²/NDF:55.6/53
All: -0.000+/-0.000 χ²/NDF: 103.0/101



Right In: 0.000+/-0.000 χ^2/NDF: 4345409.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5858501.2/28

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

Left: 0.000+/-0.000 χ^2/NDF: 3219165.7/47

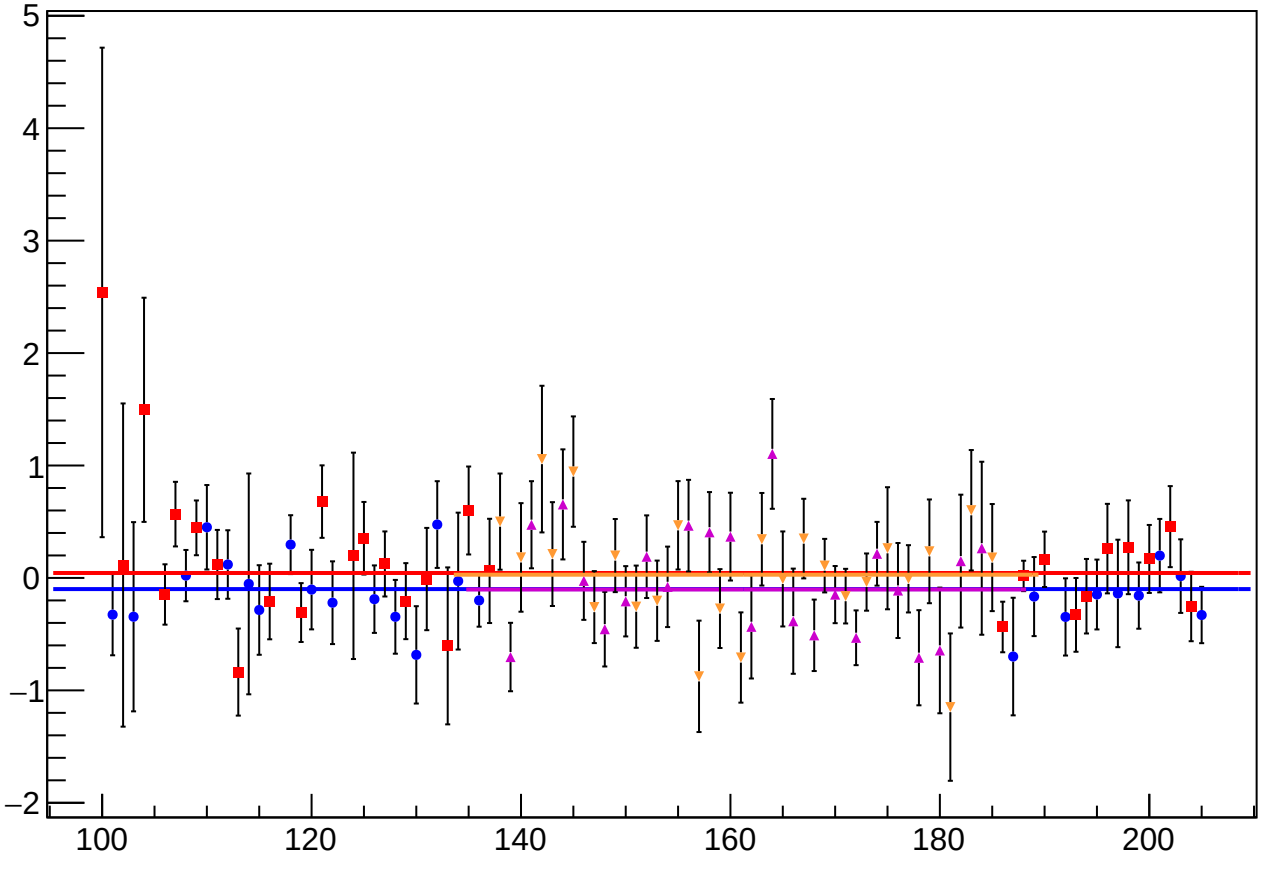
Right: 0.000+/-0.000 χ^2/NDF: 10204086.8/53

In: 0.000+/-0.000 χ^2/NDF:7034756.1/47

Out: 0.000+/-0.000 χ^2/NDF:8788458.3/53

All: 0.000+/-0.000 χ^2/NDF: 15863313.0/101

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

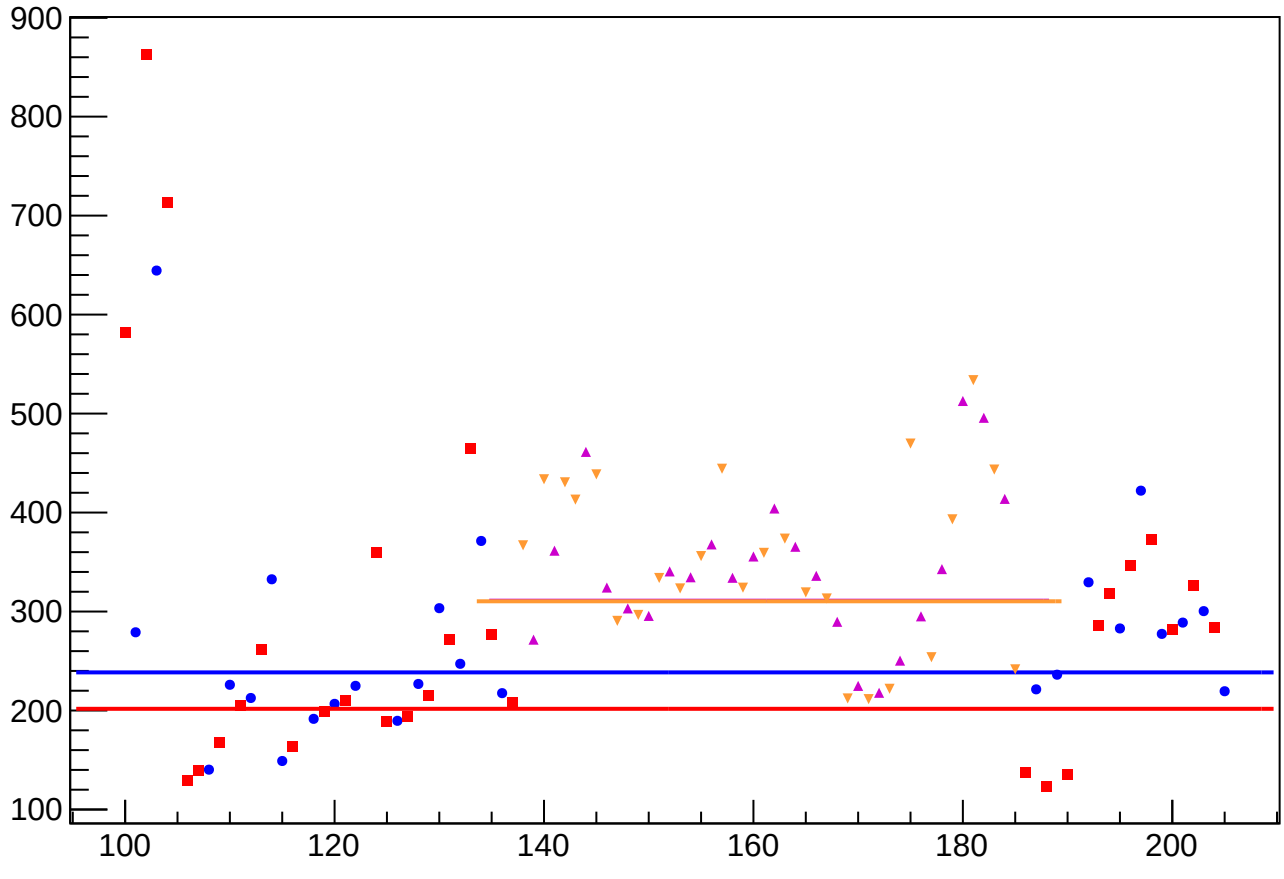
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.017+/-0.044 χ^2/NDF: 52.7/53

In: -0.101+/-0.051 χ^2/NDF:46.9/47

Out: 0.038+/-0.046 χ^2/NDF:60.8/53

All: -0.024+/-0.034 χ^2/NDF: 111.9/101



Right In: 238.523+/-0.048 χ^2/NDF: 1937795.5/24

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 201.730+/-0.041 χ^2/NDF: 4326155.7/28

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

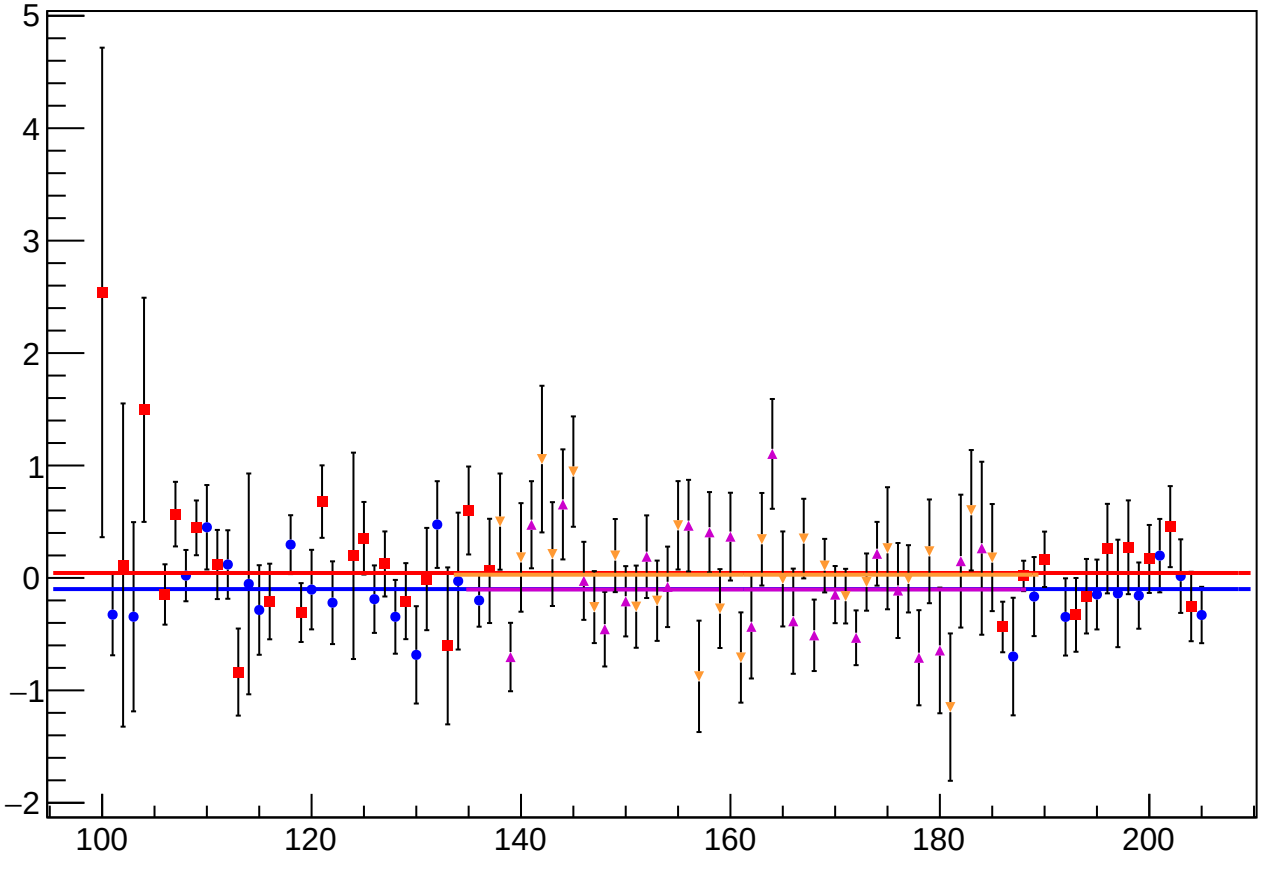
Right: 217.370+/-0.031 χ^2/NDF: 6603314.3/53

In: 270.466+/-0.036 χ^2/NDF:4547102.1/47

Out: 242.815+/-0.032 χ^2/NDF:9321333.9/53

All: 255.293+/-0.024 χ^2/NDF: 14195692.4/10

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

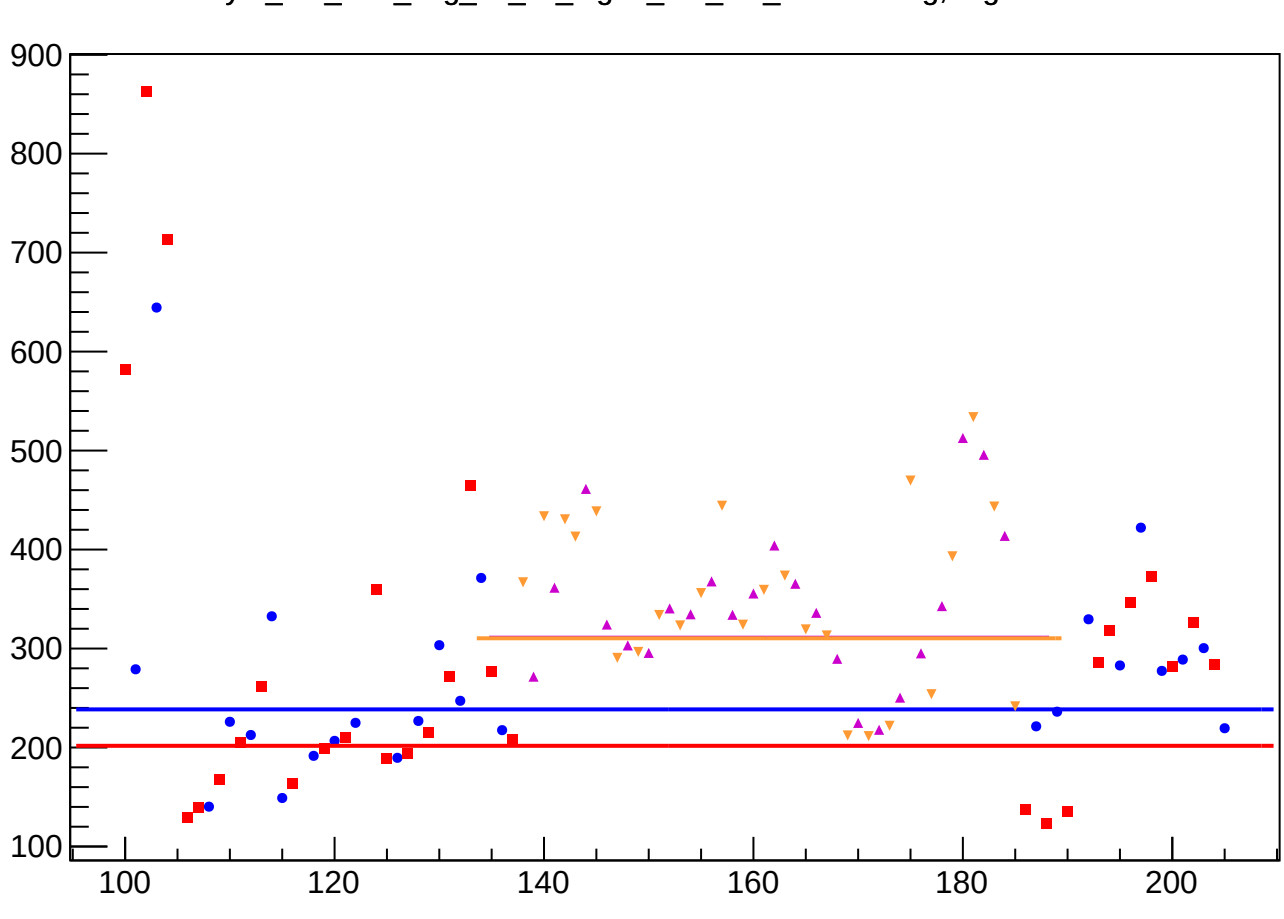
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.017+/-0.044 χ^2/NDF: 52.7/53

In: -0.101+/-0.051 χ^2/NDF:46.9/47

Out: 0.038+/-0.046 χ^2/NDF:60.8/53

All: -0.024+/-0.034 χ^2/NDF: 111.9/101



Right In: 238.523+/-0.048 χ^2/NDF: 1937795.5/24

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

Right Out: 201.730+/-0.041 χ^2/NDF: 4326155.7/28

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

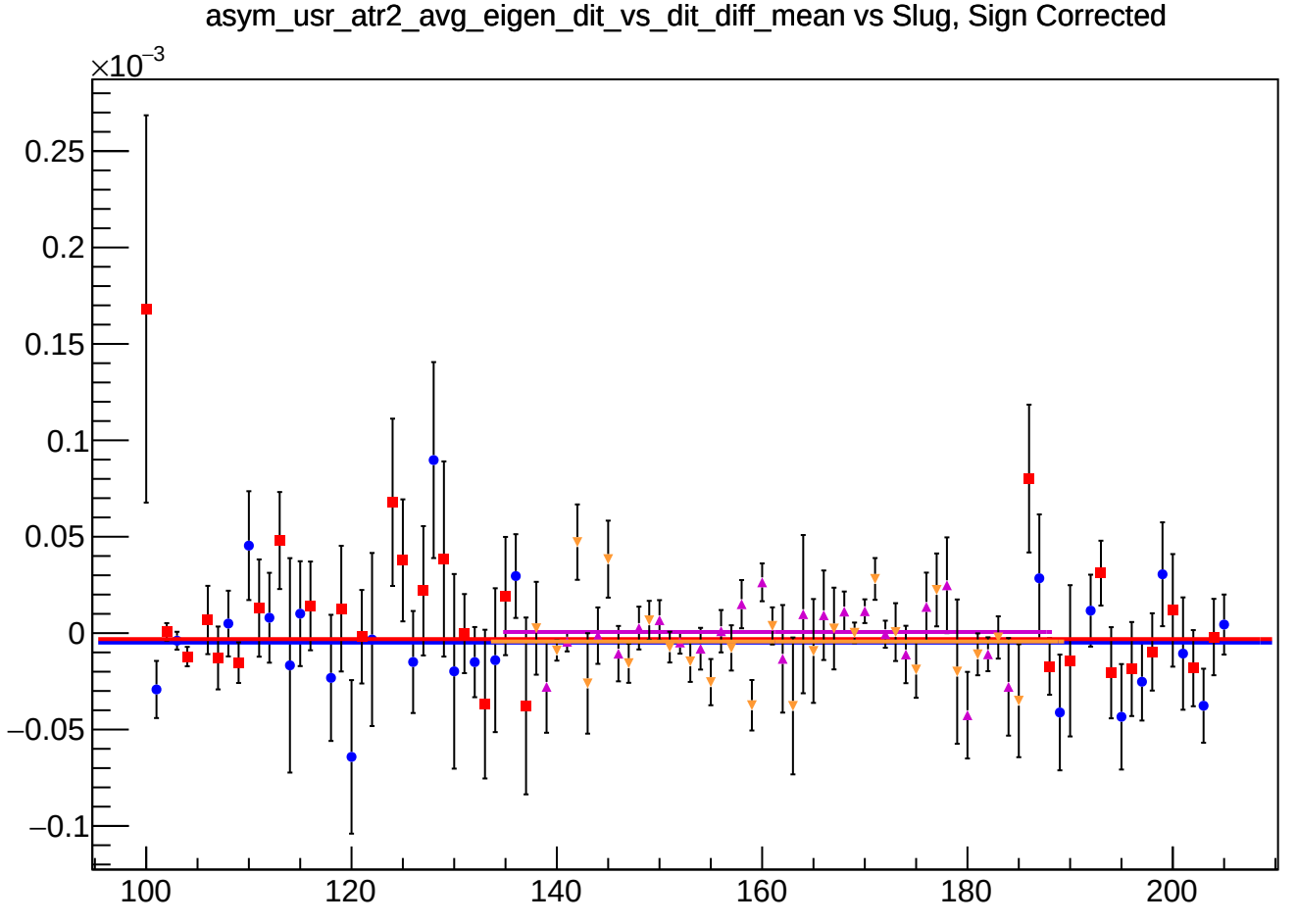
Left: 310.653+/-0.038 χ^2/NDF: 3963519.7/47

Right: 217.370+/-0.031 χ^2/NDF: 6603314.3/53

In: 270.466+/-0.036 χ^2/NDF:4547102.1/47

Out: 242.815+/-0.032 χ^2/NDF:9321333.9/53

All: 255.293+/-0.024 χ^2/NDF: 14195692.4/10



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.4/28

Left In: 0.000+/-0.000 χ^2/NDF:26.6/22

Left: -0.000+/-0.000 χ^2/NDF: 71.4/47

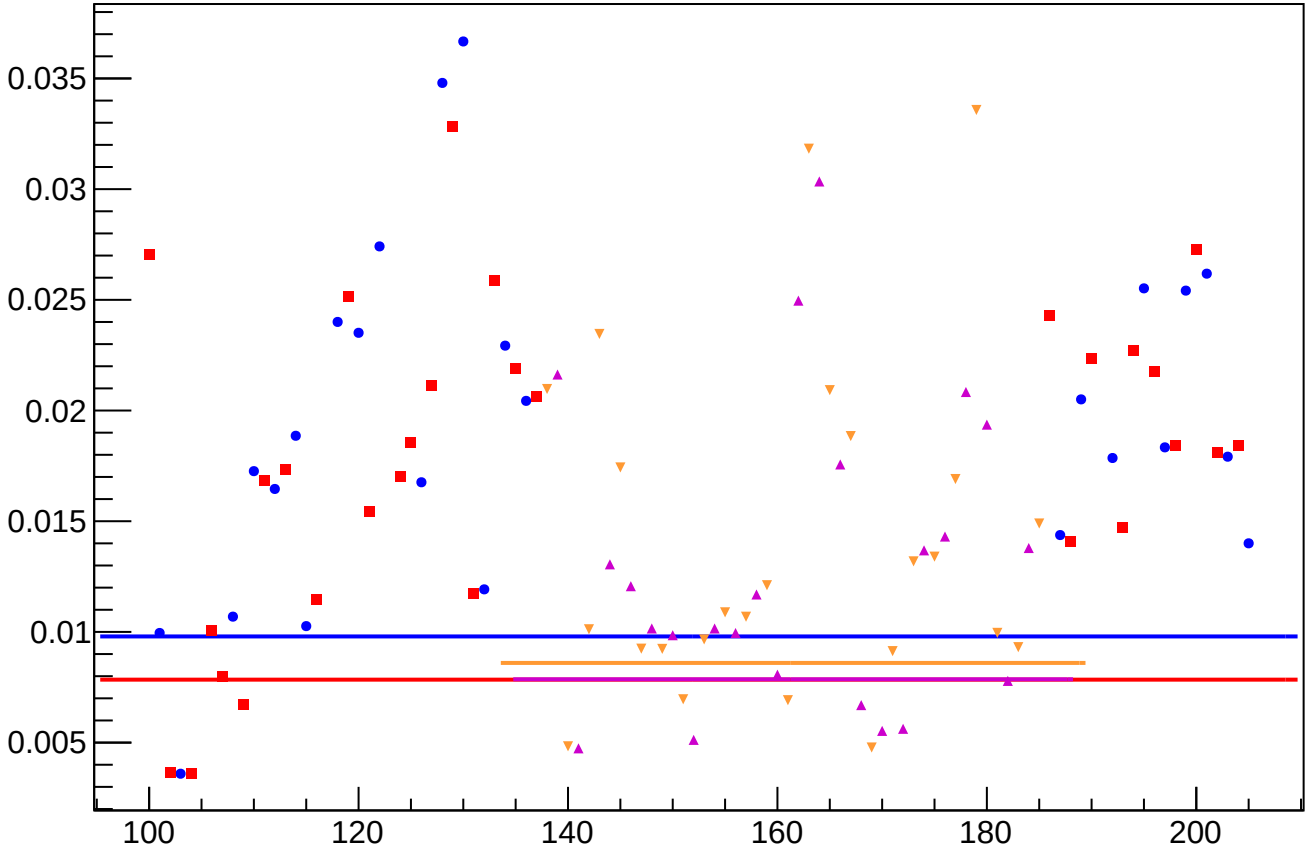
Right: -0.000+/-0.000 χ^2/NDF: 60.9/53

In: -0.000+/-0.000 χ^2/NDF:55.8/47

Out: -0.000+/-0.000 χ^2/NDF:75.9/53

All: -0.000+/-0.000 χ^2/NDF: 132.9/101

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 10323692.4/24

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

Right Out: 0.008+/-0.000 χ^2/NDF: 12119286.1/28

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

Left: 0.008+/-0.000 χ^2/NDF: 14546579.4/47

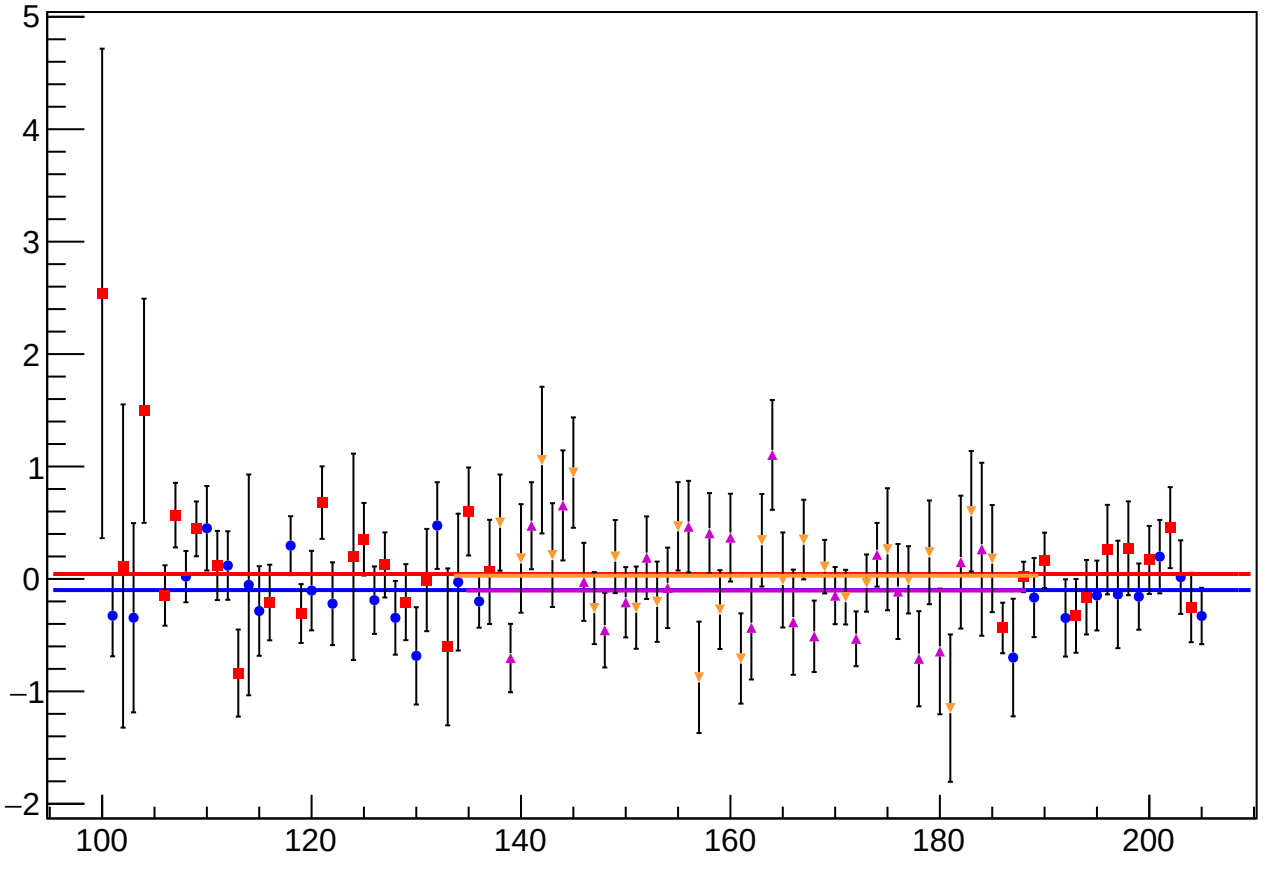
Right: 0.009+/-0.000 χ^2/NDF: 22855125.6/53

In: 0.008+/-0.000 χ^2/NDF:17571753.7/47

Out: 0.008+/-0.000 χ^2/NDF:19866876.9/53

All: 0.008+/-0.000 χ^2/NDF: 37444259.6/101

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

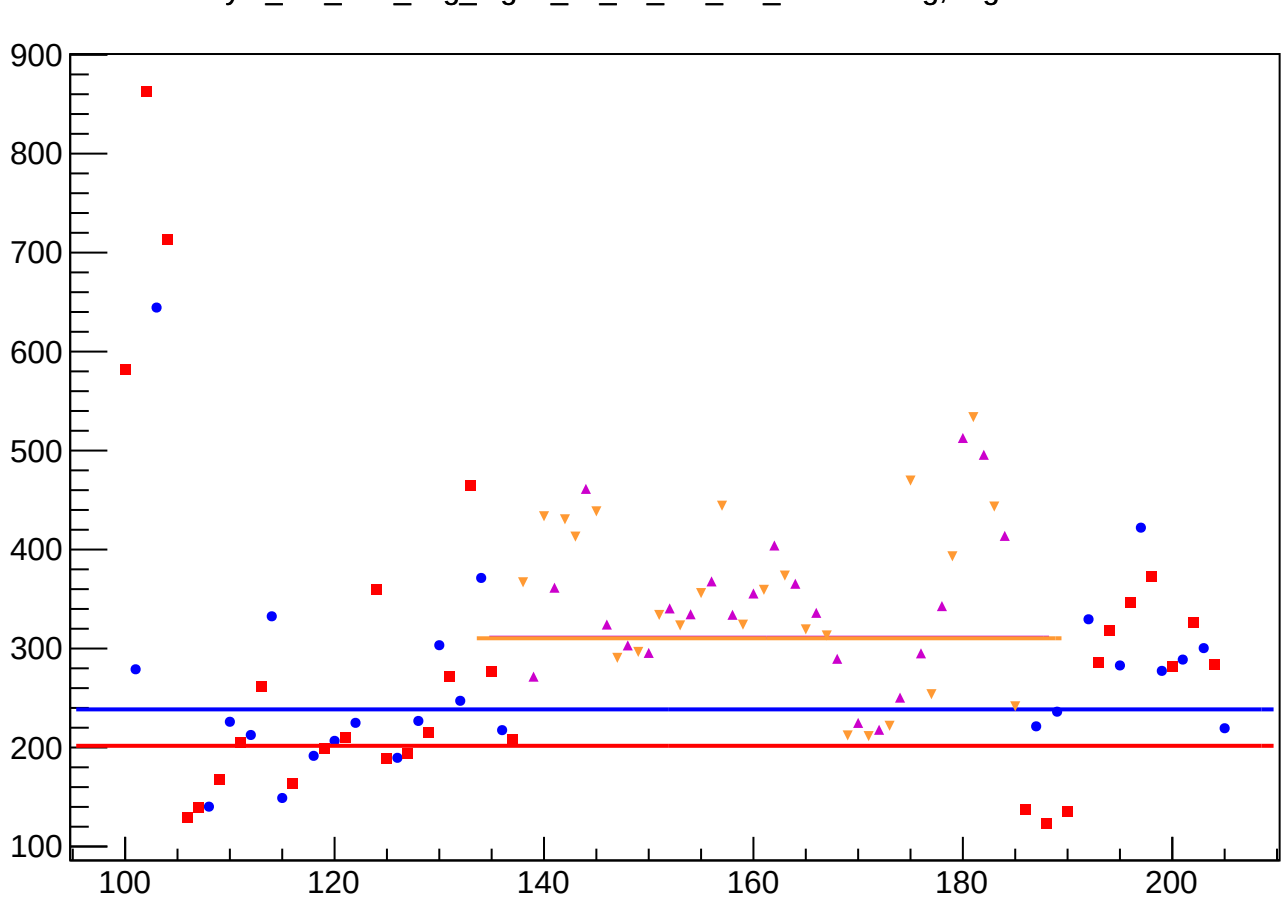
Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

Right: -0.017+/-0.044 χ^2/NDF: 52.7/53

In: -0.101+/-0.051 χ^2/NDF:46.9/47

Out: 0.038+/-0.046 χ^2/NDF:60.8/53

All: -0.024+/-0.034 χ^2/NDF: 111.9/101



Right In: 238.522+/-0.048 χ^2/NDF: 1937794.0/24

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 201.728+/-0.041 χ^2/NDF: 4326323.8/28

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

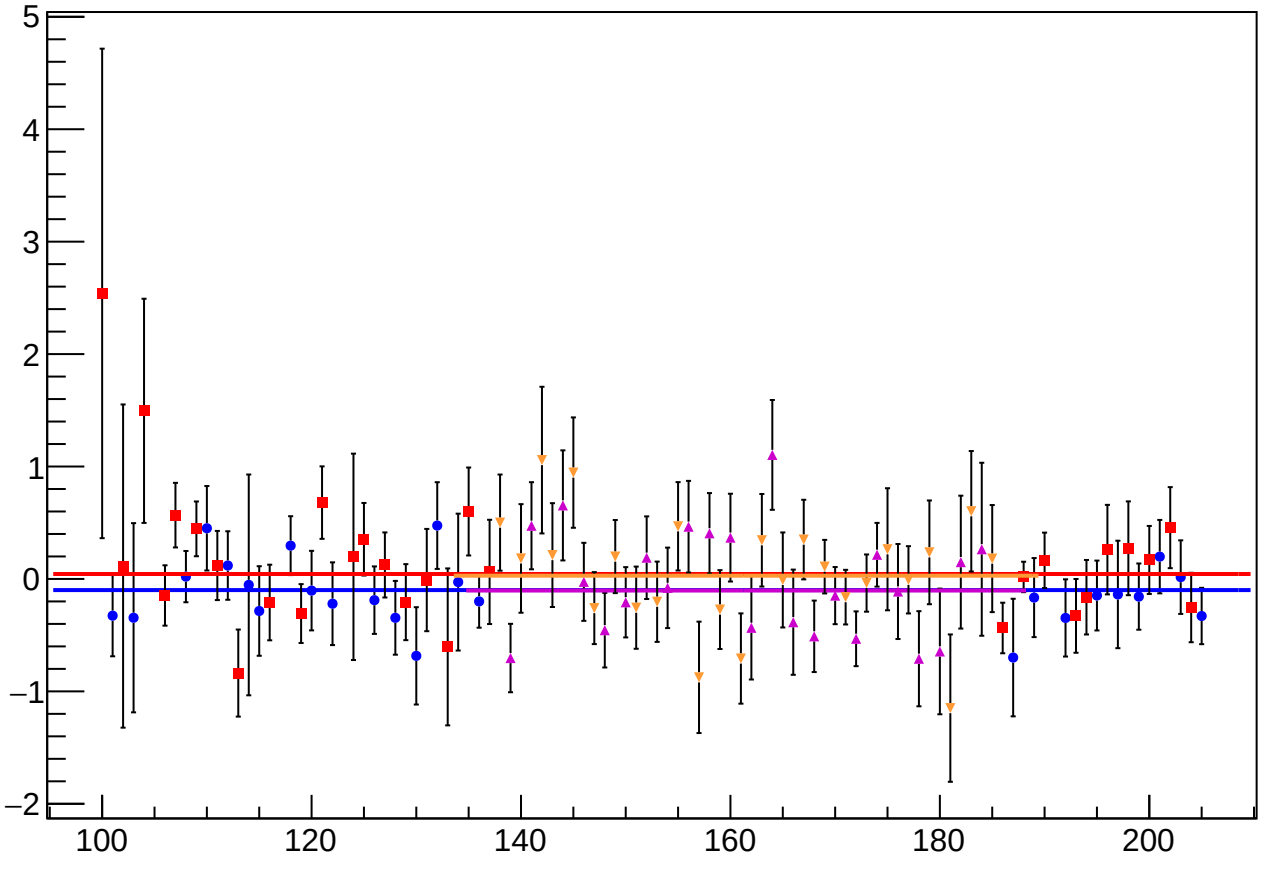
Right: 217.368+/-0.031 χ^2/NDF: 6603520.4/53

In: 270.467+/-0.036 χ^2/NDF:4547234.9/47

Out: 242.814+/-0.032 χ^2/NDF:9321829.4/53

All: 255.292+/-0.024 χ^2/NDF: 14196367.9/10

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: 0.044+/-0.058 χ^2/NDF: 35.5/28

Left In: -0.103+/-0.076 χ^2/NDF:32.3/22

Left: -0.036+/-0.053 χ^2/NDF: 59.1/47

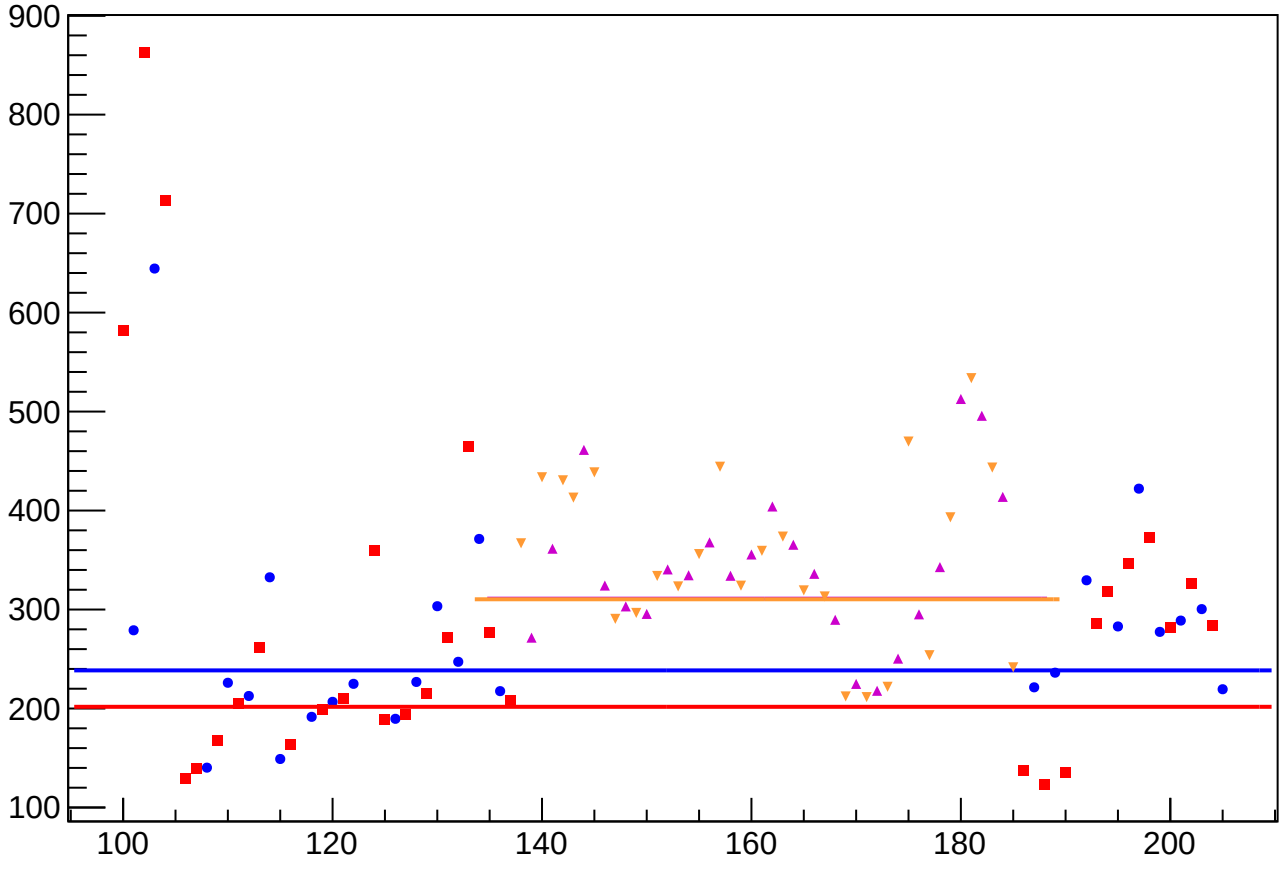
Right: -0.017+/-0.044 χ^2/NDF: 52.7/53

In: -0.101+/-0.051 χ^2/NDF:46.9/47

Out: 0.038+/-0.046 χ^2/NDF:60.8/53

All: -0.024+/-0.034 χ^2/NDF: 111.9/101

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 238.522+/-0.048 χ^2/NDF: 1937794.0/24

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

Right Out: 201.728+/-0.041 χ^2/NDF: 4326323.8/28

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

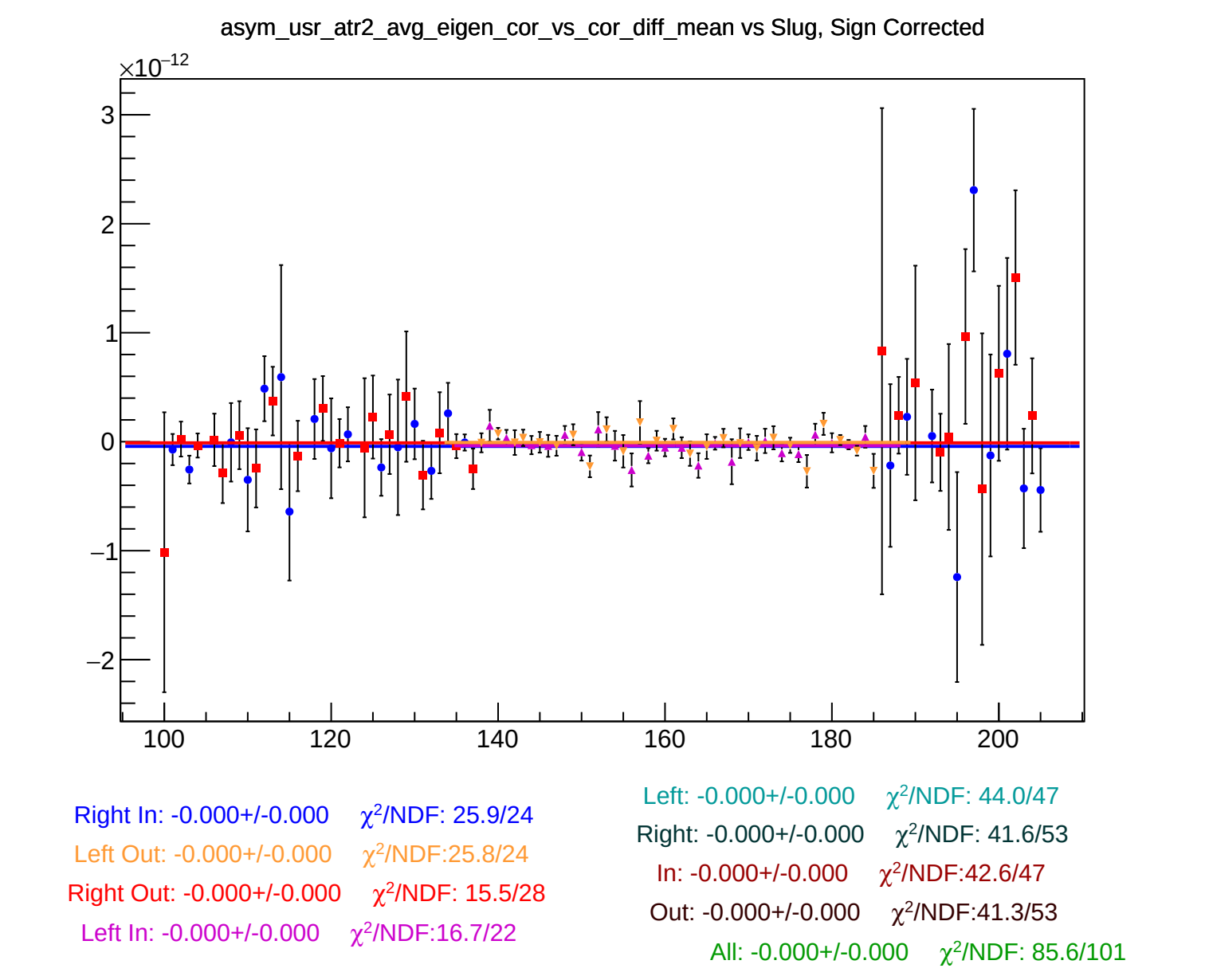
Left: 310.656+/-0.038 χ^2/NDF: 3963613.3/47

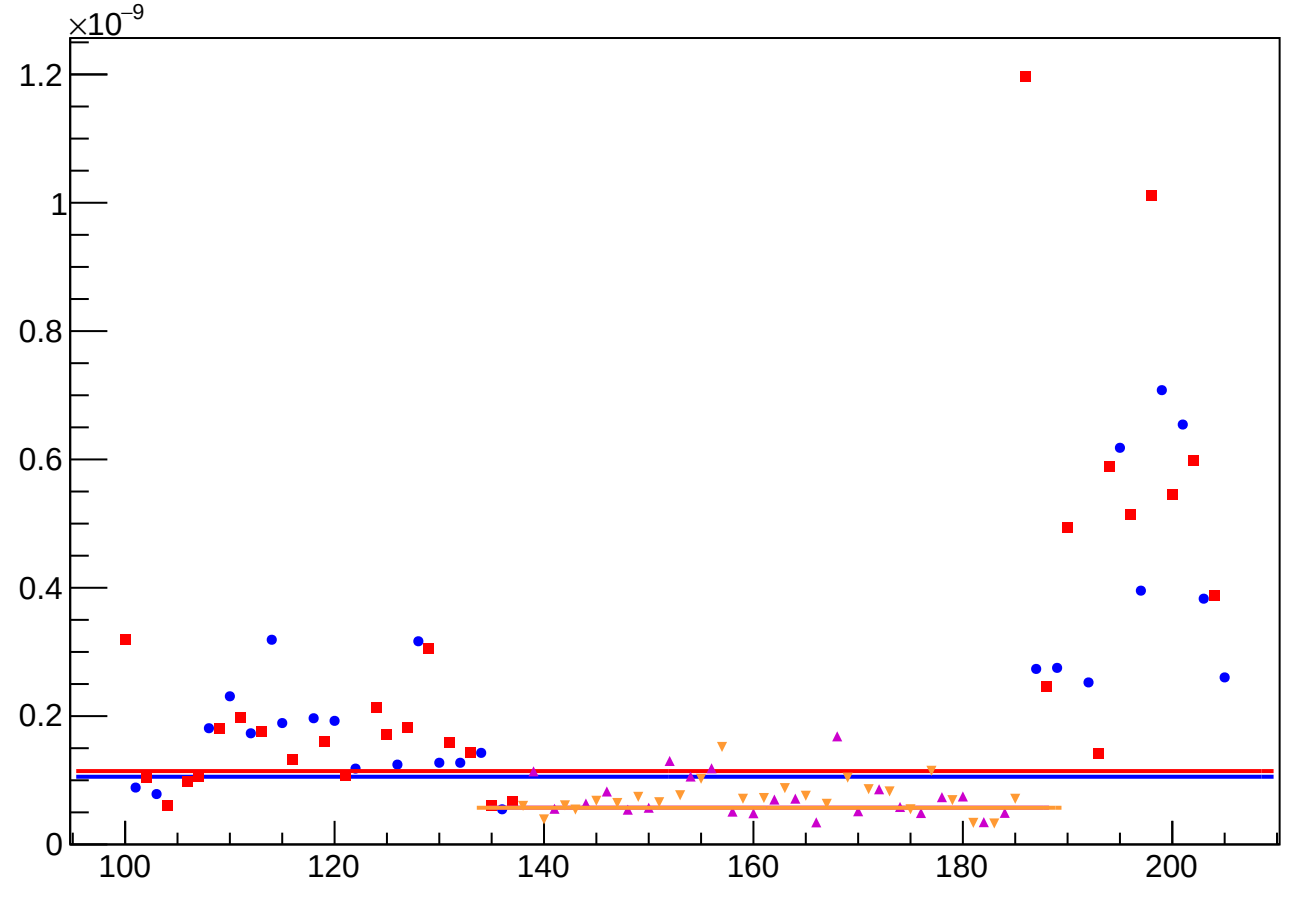
Right: 217.368+/-0.031 χ^2/NDF: 6603520.4/53

In: 270.467+/-0.036 χ^2/NDF:4547234.9/47

Out: 242.814+/-0.032 χ^2/NDF:9321829.4/53

All: 255.292+/-0.024 χ^2/NDF: 14196367.9/10


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.9/24
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.5/28
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: 41.6/53
In: -0.000+/-0.000 χ²/NDF:42.6/47
Out: -0.000+/-0.000 χ²/NDF:41.3/53
All: -0.000+/-0.000 χ²/NDF: 85.6/101



Right In: 0.000+/-0.000 χ^2/NDF: 5874075.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6655095.2/28

Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

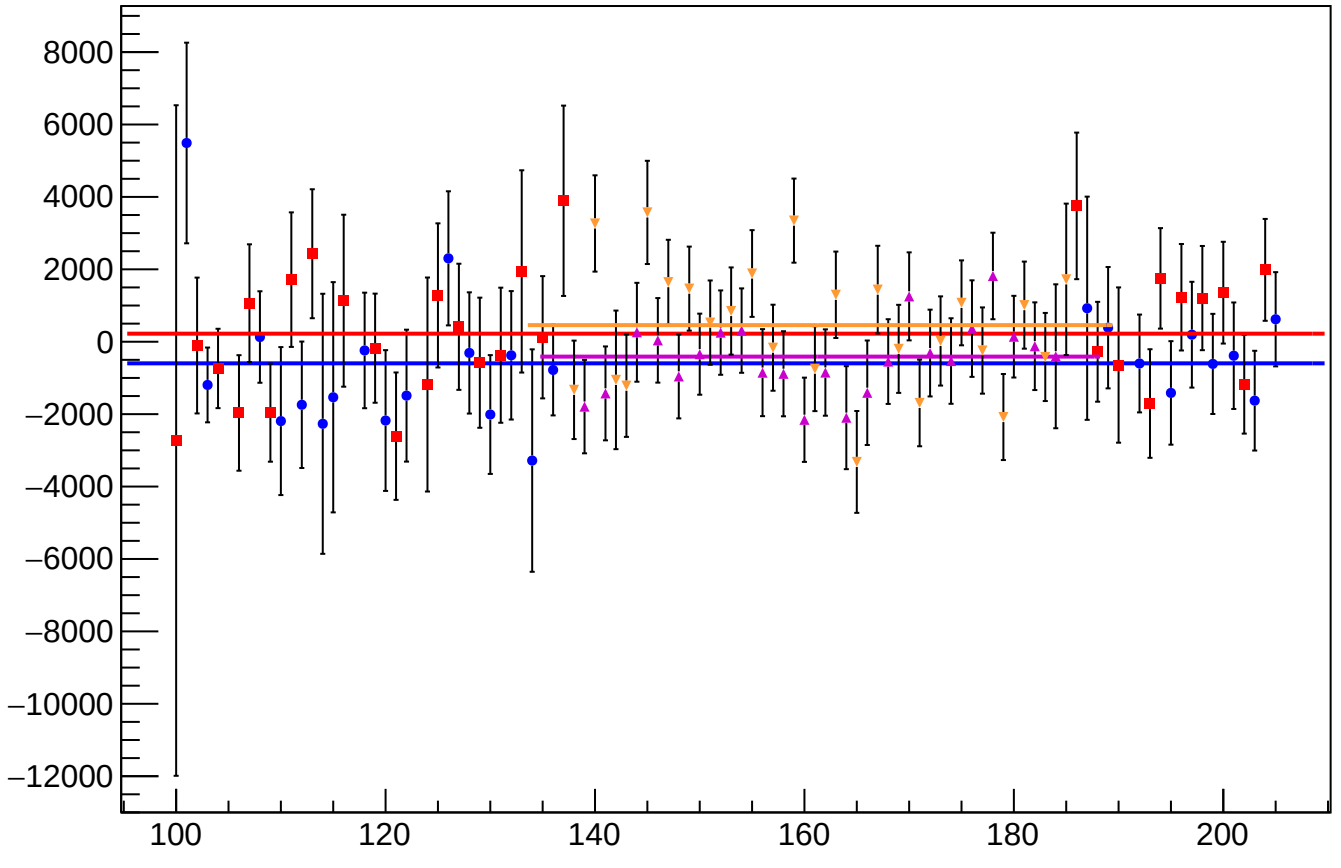
Left: 0.000+/-0.000 χ^2/NDF: 6637359.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12561163.1/53

In: 0.000+/-0.000 χ^2/NDF:10925027.9/47

Out: 0.000+/-0.000 χ^2/NDF:12312437.0/53

All: 0.000+/-0.000 χ^2/NDF: 23237602.8/101



Right In: -596.750+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: 222.794+/-310.774 χ^2/NDF: 24.2/28

Left In: -411.262+/-257.201 χ^2/NDF:13.7/22

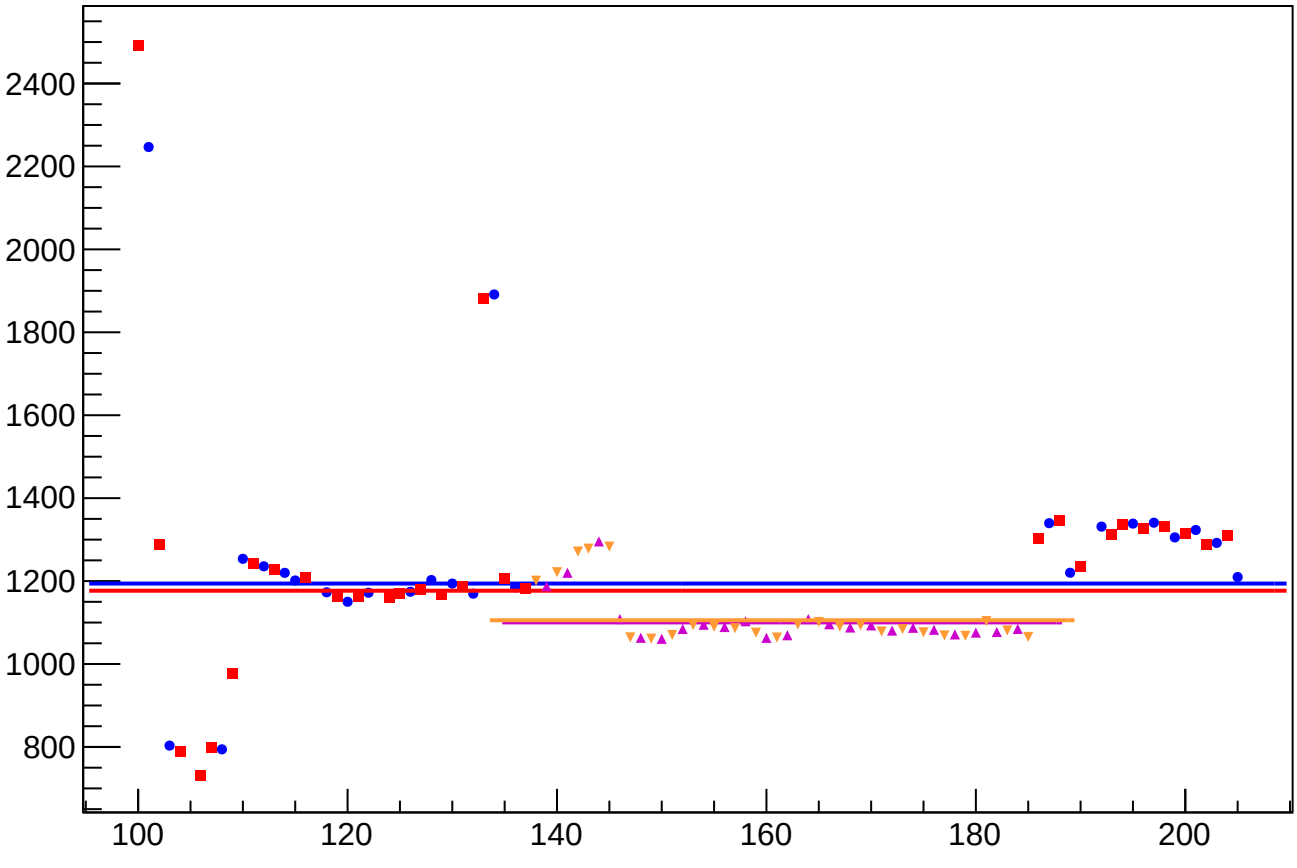
Left: 33.443+/-179.833 χ^2/NDF: 61.6/47

Right: -170.314+/-224.174 χ^2/NDF: 42.0/53

In: -483.052+/-201.368 χ^2/NDF:28.3/47

Out: 365.375+/-195.519 χ^2/NDF:66.6/53

All: -46.338+/-140.275 χ^2/NDF: 104.1/101



Right In: 1194.059+/-0.229 χ^2/NDF: 988737.4/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1176.794+/-0.219 χ^2/NDF: 952631.8/28

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

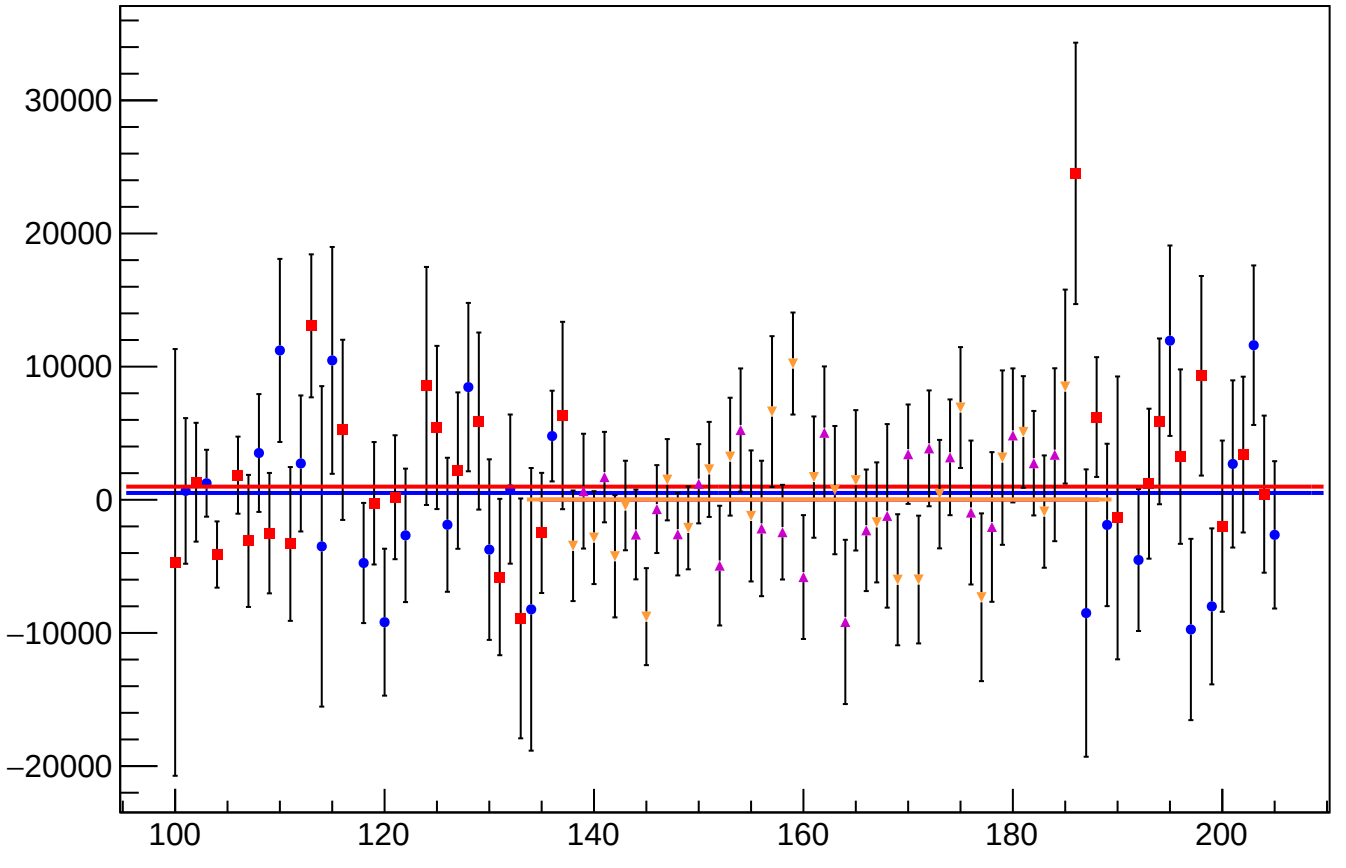
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1185.034+/-0.158 χ^2/NDF: 1944343.8/53

In: 1136.619+/-0.142 χ^2/NDF:1171732.2/47

Out: 1133.911+/-0.138 χ^2/NDF:1138453.7/53

All: 1135.222+/-0.099 χ^2/NDF: 2310372.4/10



Right In: 513.057+/-1063.096 χ^2/NDF: 26.5/24

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: 987.502+/-973.494 χ^2/NDF: 26.9/28

Left In: 6.317+/-875.256 χ^2/NDF:14.0/22

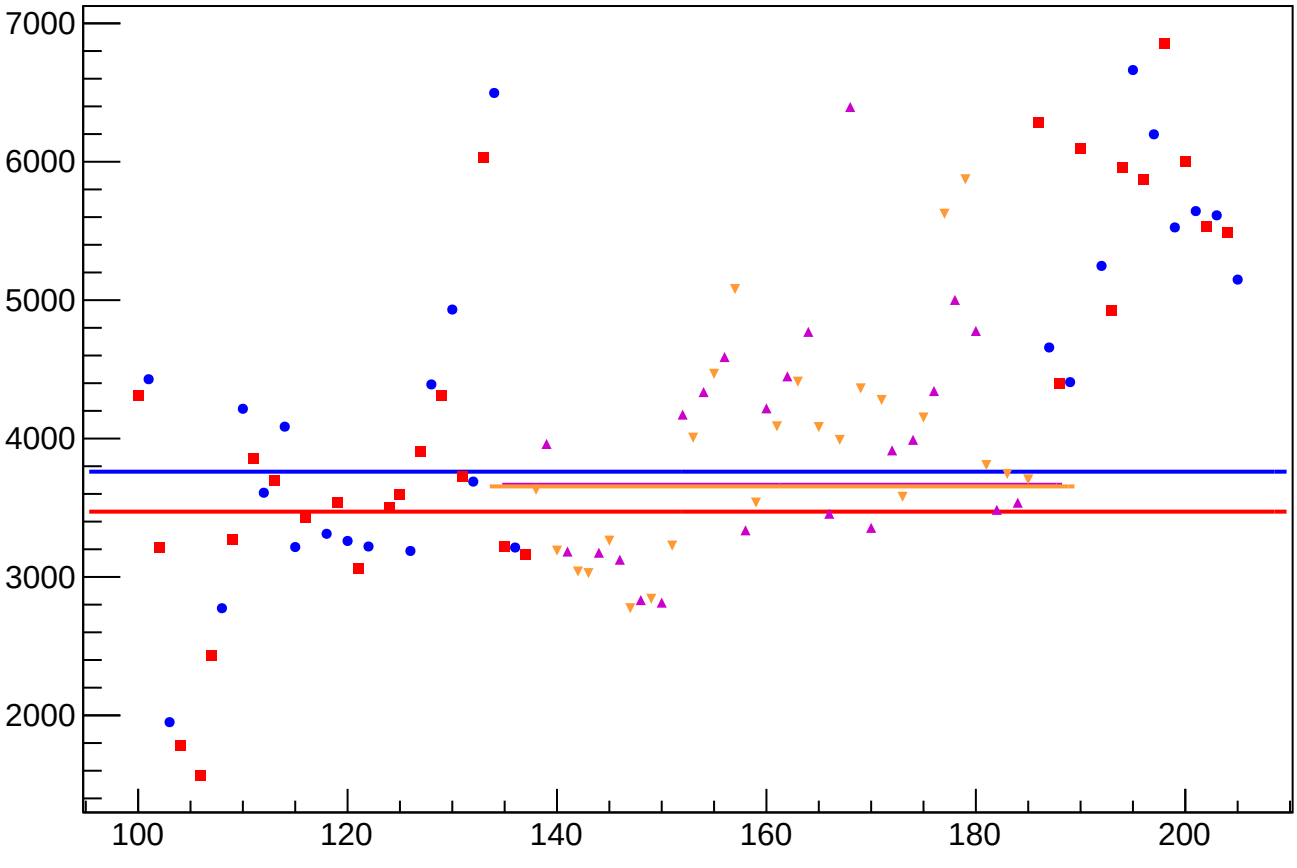
Left: 15.088+/-609.923 χ^2/NDF: 42.5/47

Right: 771.113+/-717.955 χ^2/NDF: 53.5/53

In: 211.037+/-675.710 χ^2/NDF:40.7/47

Out: 440.663+/-640.451 χ^2/NDF:55.9/53

All: 331.997+/-464.833 χ^2/NDF: 96.6/101



Right In: 3760.653+/-0.752 χ^2/NDF: 2993013.1/24

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3471.918+/-0.688 χ^2/NDF: 4431210.6/28

Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

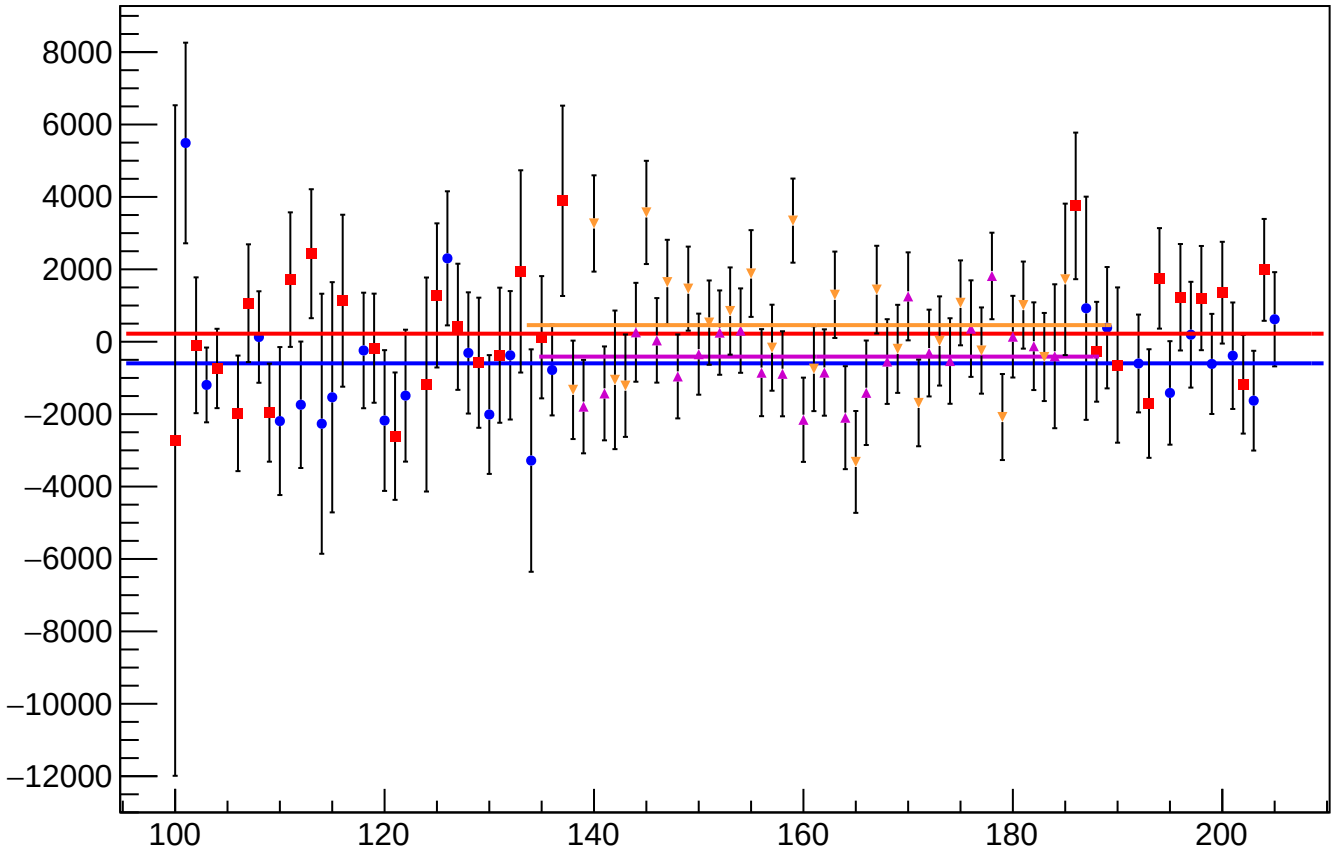
Left: 3659.986+/-0.431 χ^2/NDF: 2655661.7/47

Right: 3603.607+/-0.508 χ^2/NDF: 7504467.2/53

In: 3704.309+/-0.478 χ^2/NDF:4346148.2/47

Out: 3575.304+/-0.453 χ^2/NDF:5782742.7/53

All: 3636.353+/-0.329 χ^2/NDF: 10167292.4/1



Right In: -596.766+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 222.630+/-310.776 χ^2/NDF: 24.2/28

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

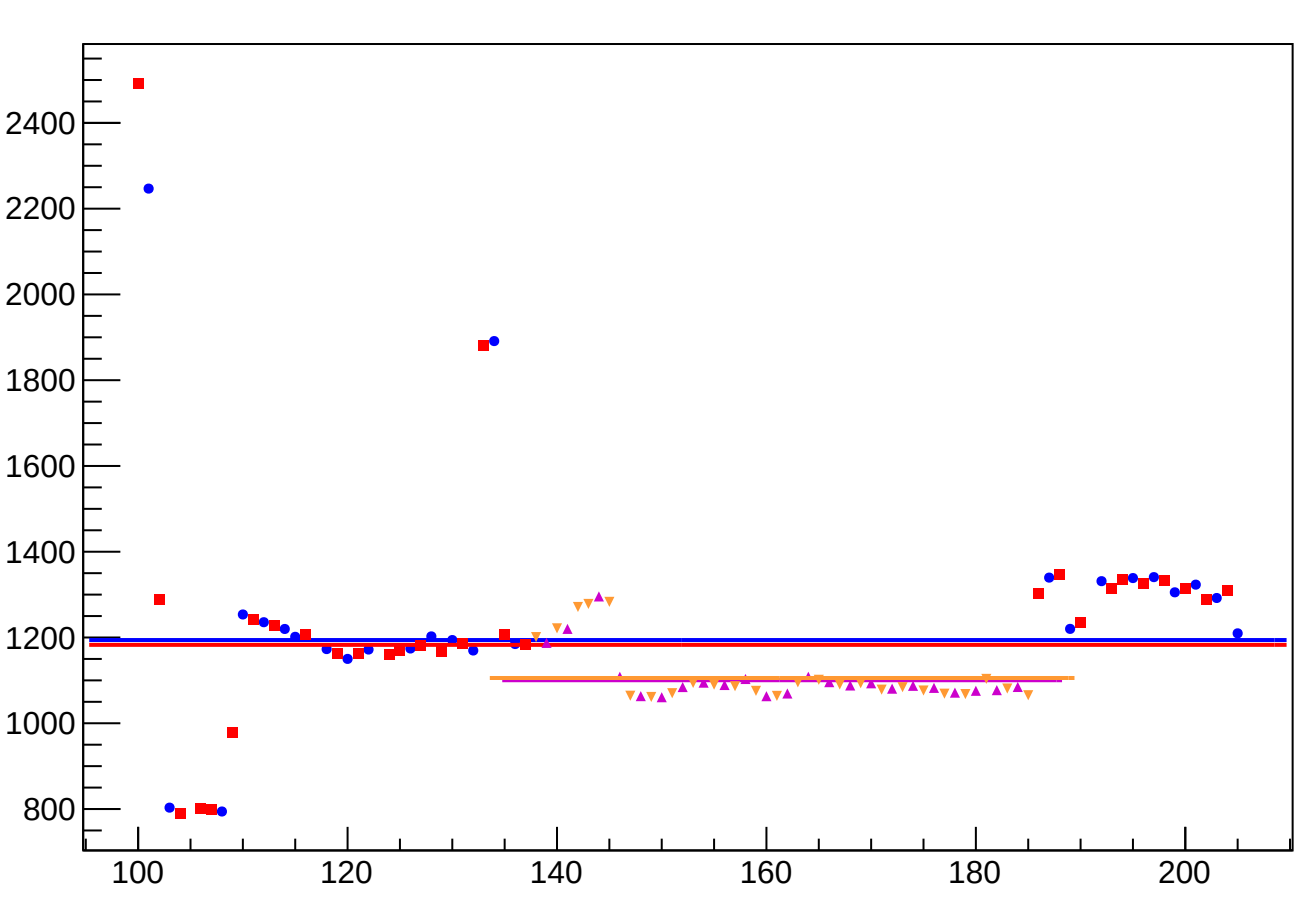
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -170.409+/-224.175 χ^2/NDF: 42.0/53

In: -482.999+/-201.368 χ^2/NDF:28.3/47

Out: 365.348+/-195.520 χ^2/NDF:66.6/53

All: -46.327+/-140.275 χ^2/NDF: 104.1/101



Right In: 1194.060+/-0.229 χ^2/NDF: 988732.9/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.847+/-0.220 χ^2/NDF: 874213.7/28

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

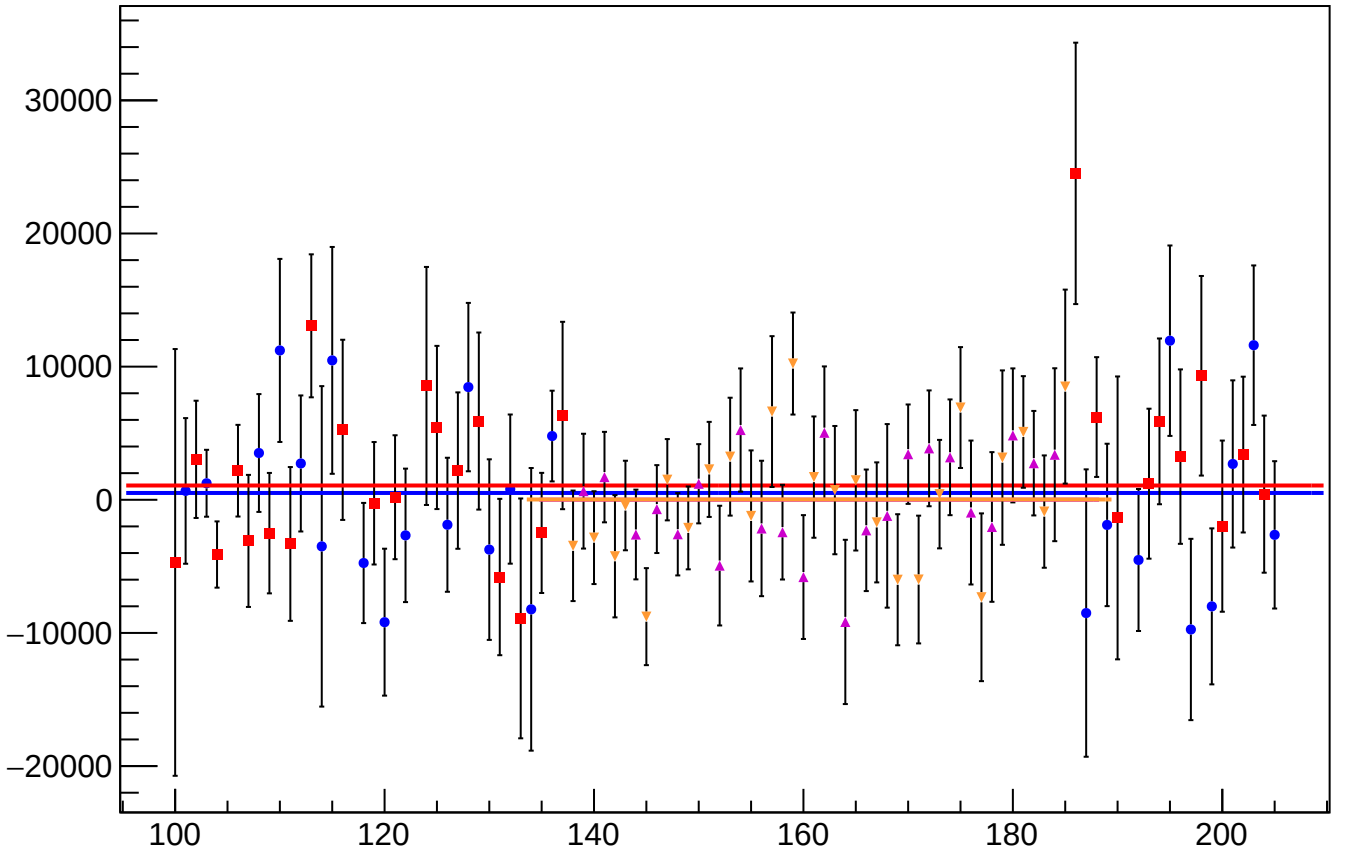
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1188.219+/-0.158 χ^2/NDF: 1864196.7/53

In: 1136.619+/-0.142 χ^2/NDF:1171728.5/47

Out: 1136.185+/-0.138 χ^2/NDF:1071020.2/53

All: 1136.396+/-0.099 χ^2/NDF: 2242753.5/10



Right In: 512.623+/-1063.128 χ^2/NDF: 26.5/24

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1073.014+/-989.389 χ^2/NDF: 27.1/28

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

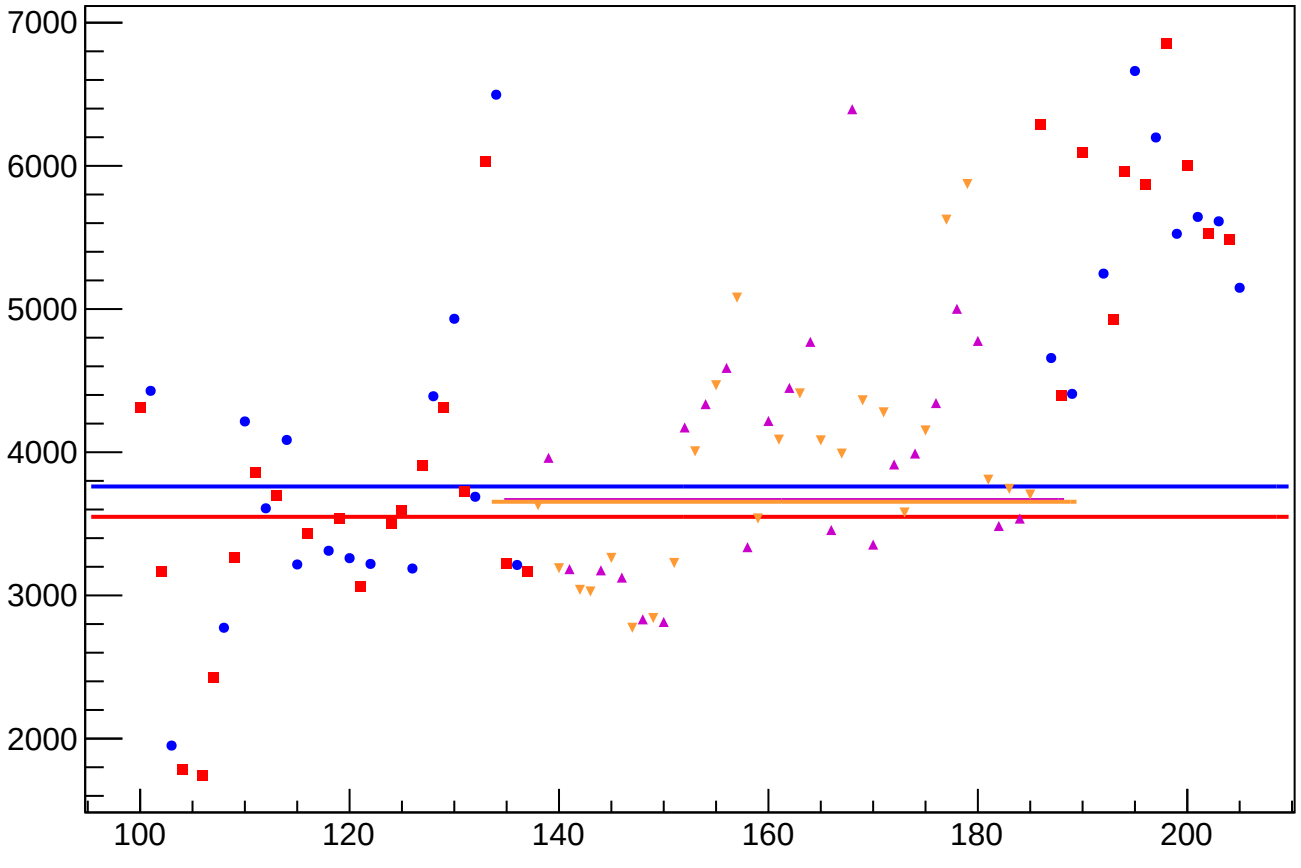
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

Right: 812.925+/-724.270 χ^2/NDF: 53.8/53

In: 210.885+/-675.718 χ^2/NDF:40.7/47

Out: 469.344+/-644.915 χ^2/NDF:56.2/53

All: 346.140+/-466.533 χ^2/NDF: 97.0/101



Right In: 3760.824+/-0.752 χ^2/NDF: 2992251.6/24

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3548.909+/-0.700 χ^2/NDF: 4059103.5/28

Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

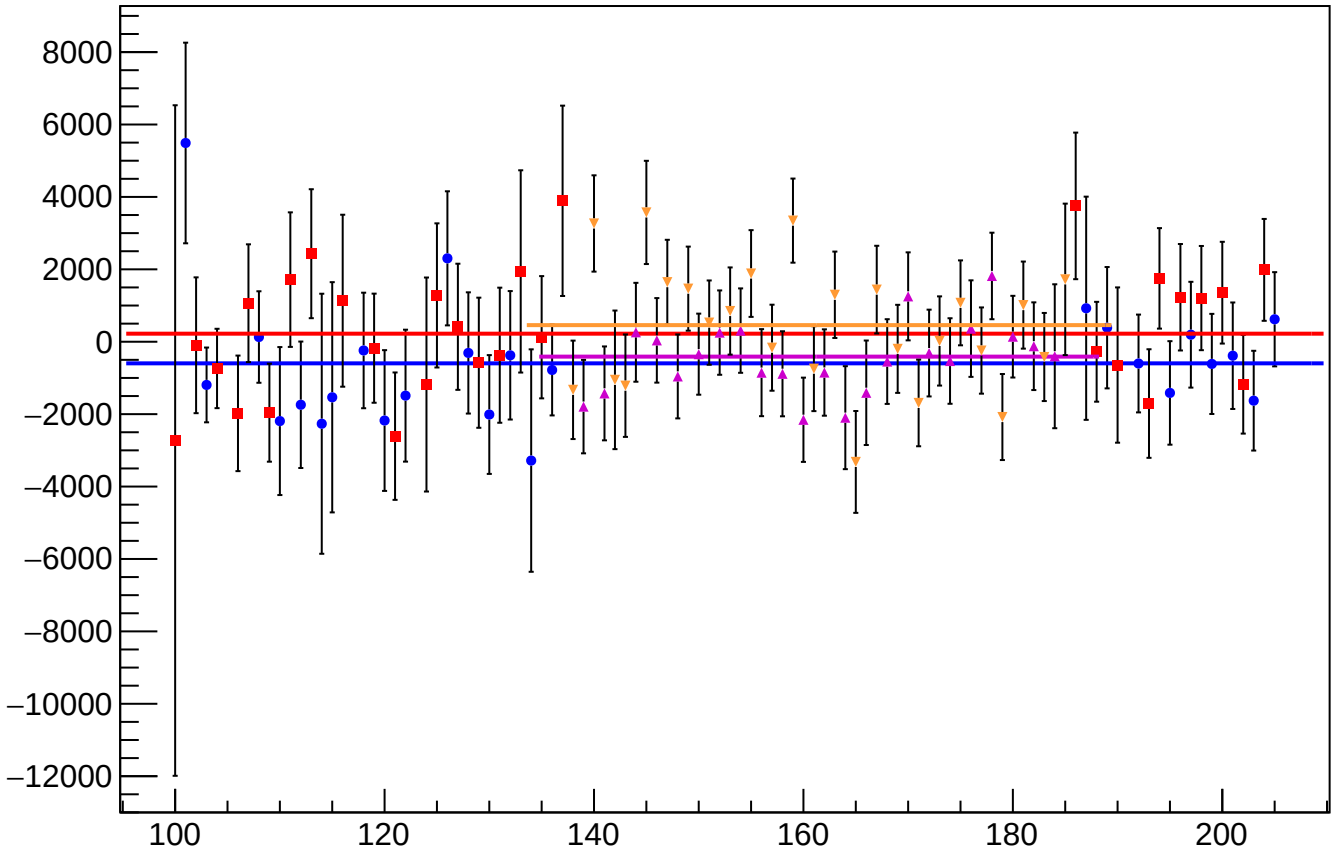
Left: 3659.983+/-0.431 χ^2/NDF: 2655671.8/47

Right: 3647.263+/-0.512 χ^2/NDF: 7093939.3/53

In: 3704.375+/-0.478 χ^2/NDF:4345423.7/47

Out: 3609.461+/-0.456 χ^2/NDF:5383898.2/53

All: 3654.705+/-0.330 χ^2/NDF: 9749972.0/10



Right In: -596.766+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: 222.630+/-310.776 χ^2/NDF: 24.2/28

Left In: -411.165+/-257.201 χ^2/NDF:13.7/22

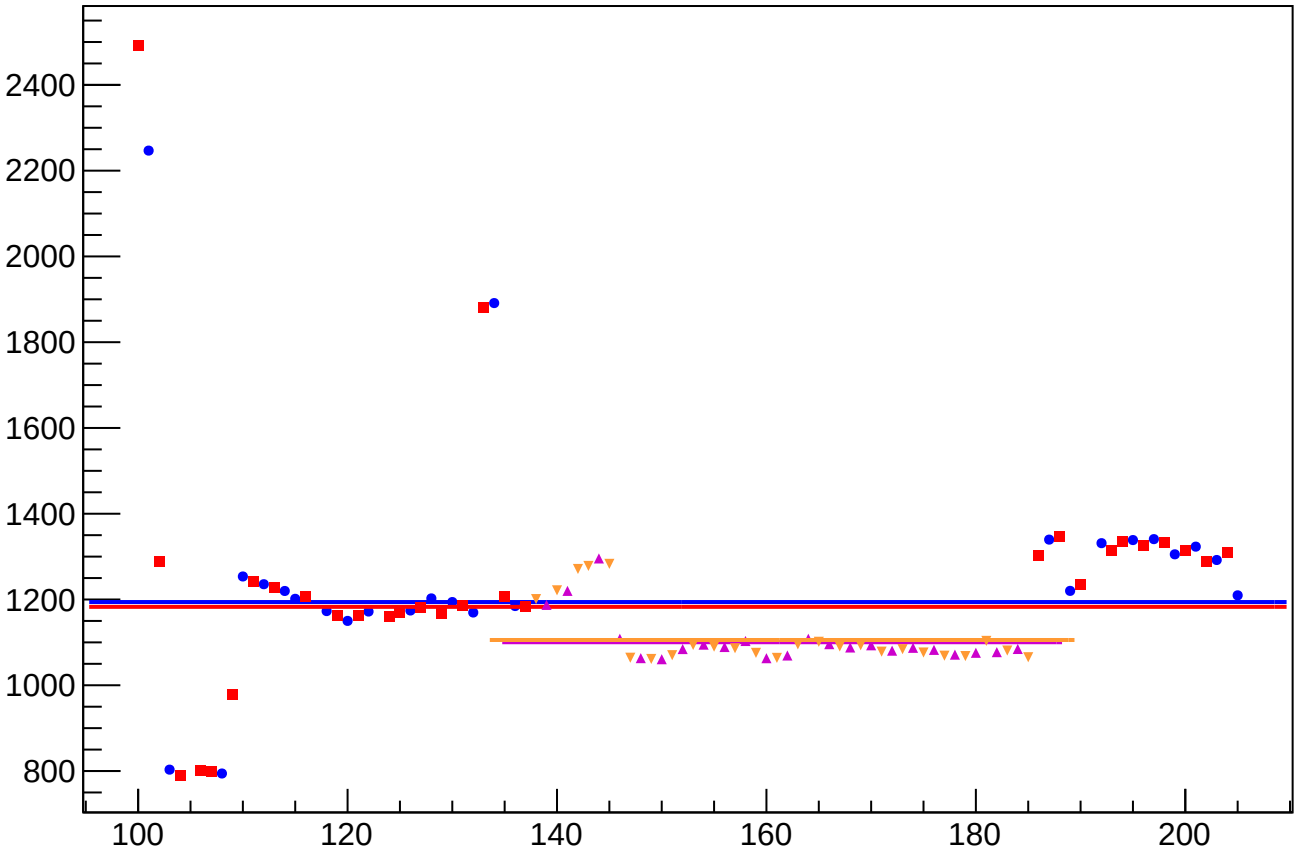
Left: 33.523+/-179.833 χ^2/NDF: 61.6/47

Right: -170.409+/-224.175 χ^2/NDF: 42.0/53

In: -482.999+/-201.368 χ^2/NDF:28.3/47

Out: 365.348+/-195.520 χ^2/NDF:66.6/53

All: -46.327+/-140.275 χ^2/NDF: 104.1/101



Right In: 1194.060+/-0.229 χ^2/NDF: 988732.9/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1182.847+/-0.220 χ^2/NDF: 874213.7/28

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

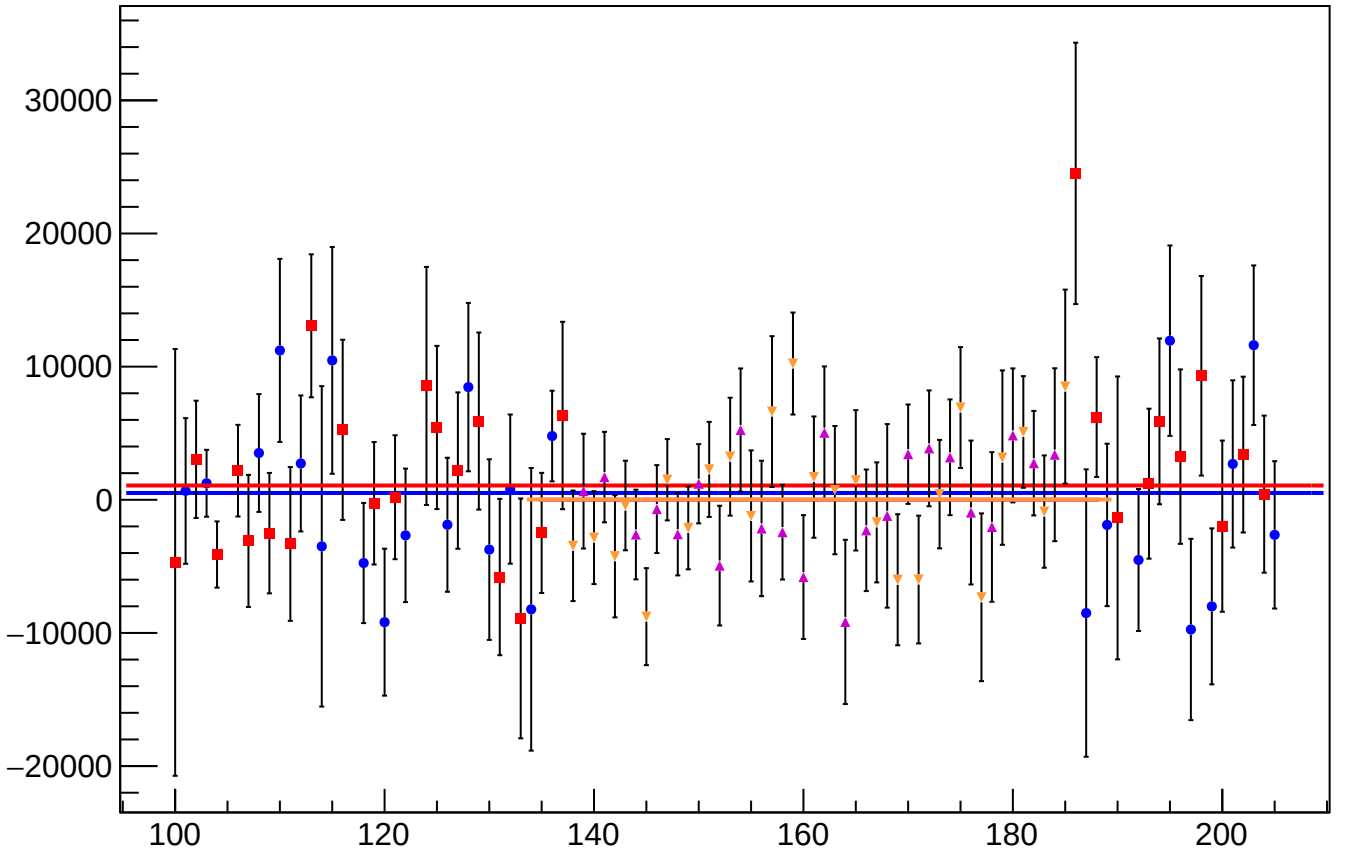
Left: 1103.007+/-0.127 χ^2/NDF: 202608.2/47

Right: 1188.219+/-0.158 χ^2/NDF: 1864196.7/53

In: 1136.619+/-0.142 χ^2/NDF:1171728.5/47

Out: 1136.185+/-0.138 χ^2/NDF:1071020.2/53

All: 1136.396+/-0.099 χ^2/NDF: 2242753.5/10



Right In: 512.623+/-1063.128 χ^2/NDF: 26.5/24

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: 1073.014+/-989.389 χ^2/NDF: 27.1/28

Left In: 6.368+/-875.255 χ^2/NDF:14.0/22

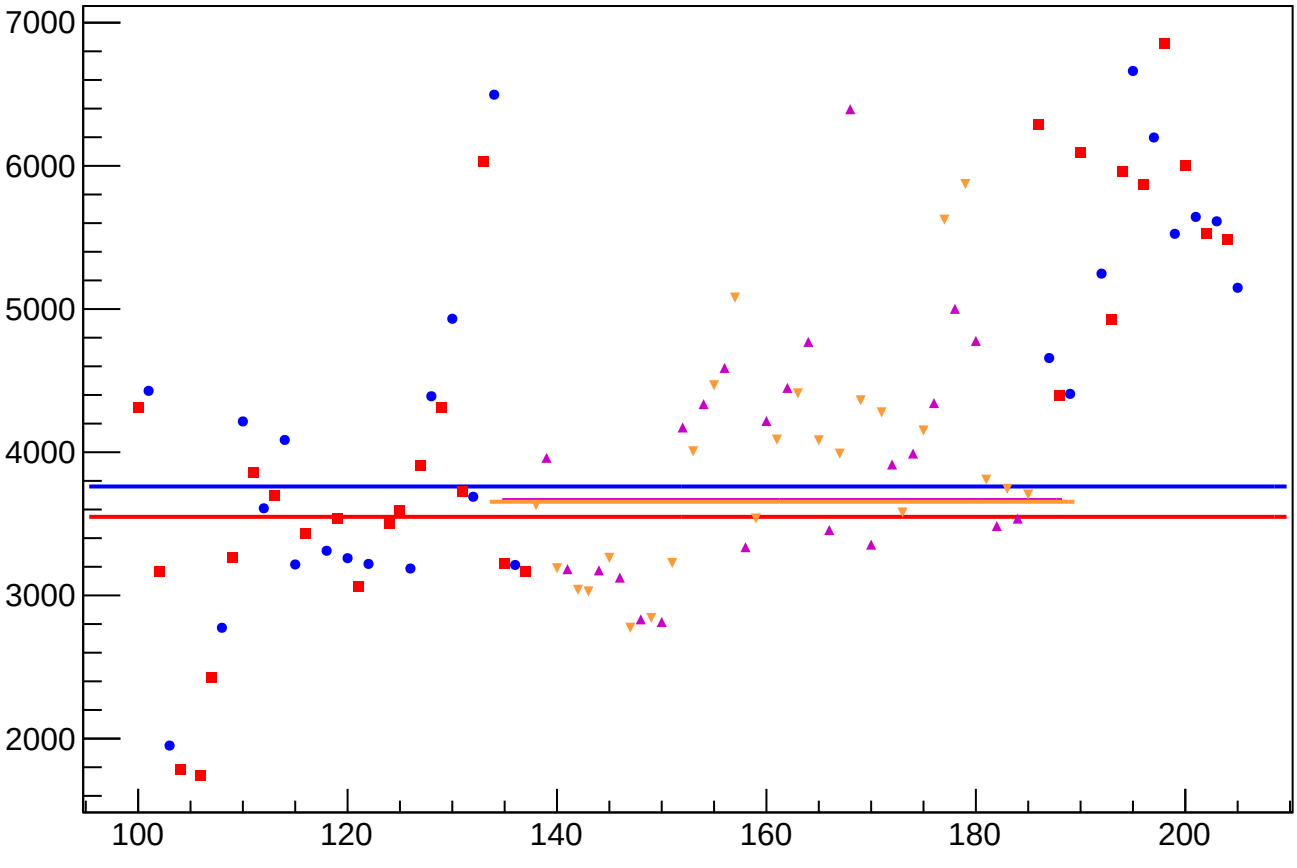
Left: 15.111+/-609.923 χ^2/NDF: 42.5/47

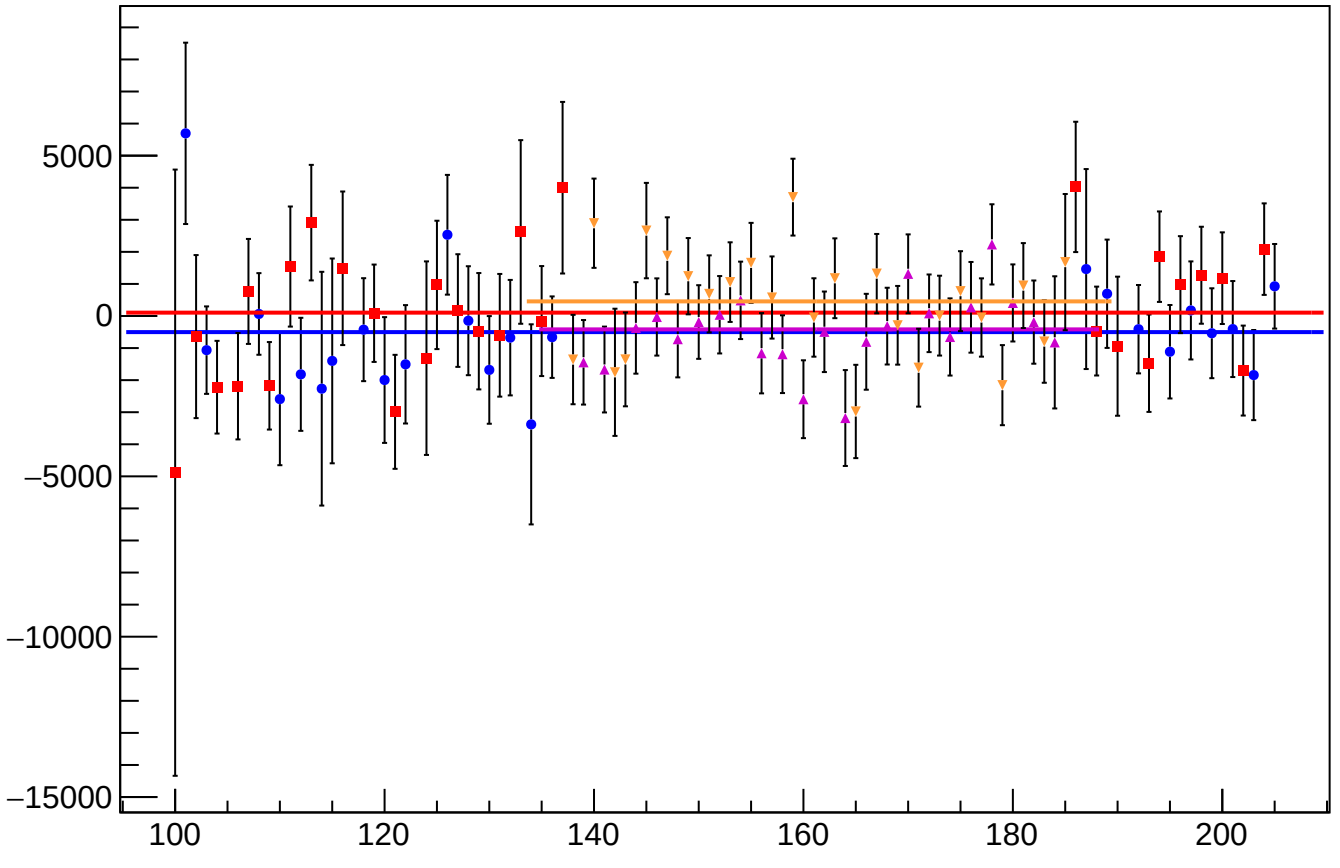
Right: 812.925+/-724.270 χ^2/NDF: 53.8/53

In: 210.885+/-675.718 χ^2/NDF:40.7/47

Out: 469.344+/-644.915 χ^2/NDF:56.2/53

All: 346.140+/-466.533 χ^2/NDF: 97.0/101


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
7000
6000
5000
4000
3000
2000
100
120
140
160
180
200
Right In: 3760.824+/-0.752 χ²/NDF: 2992251.6/24
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3548.909+/-0.700 χ²/NDF: 4059103.5/28
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
Left: 3659.983+/-0.431 χ²/NDF: 2655671.8/47
Right: 3647.263+/-0.512 χ²/NDF: 7093939.3/53
In: 3704.375+/-0.478 χ²/NDF:4345423.7/47
Out: 3609.461+/-0.456 χ²/NDF:5383898.2/53
All: 3654.705+/-0.330 χ²/NDF: 9749972.0/10



Right In: -502.220+/-335.453 χ^2/NDF: 15.4/24

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: 104.761+/-323.163 χ^2/NDF: 29.6/28

Left In: -417.202+/-266.582 χ^2/NDF:17.3/22

Left: 28.481+/-186.499 χ^2/NDF: 59.0/47

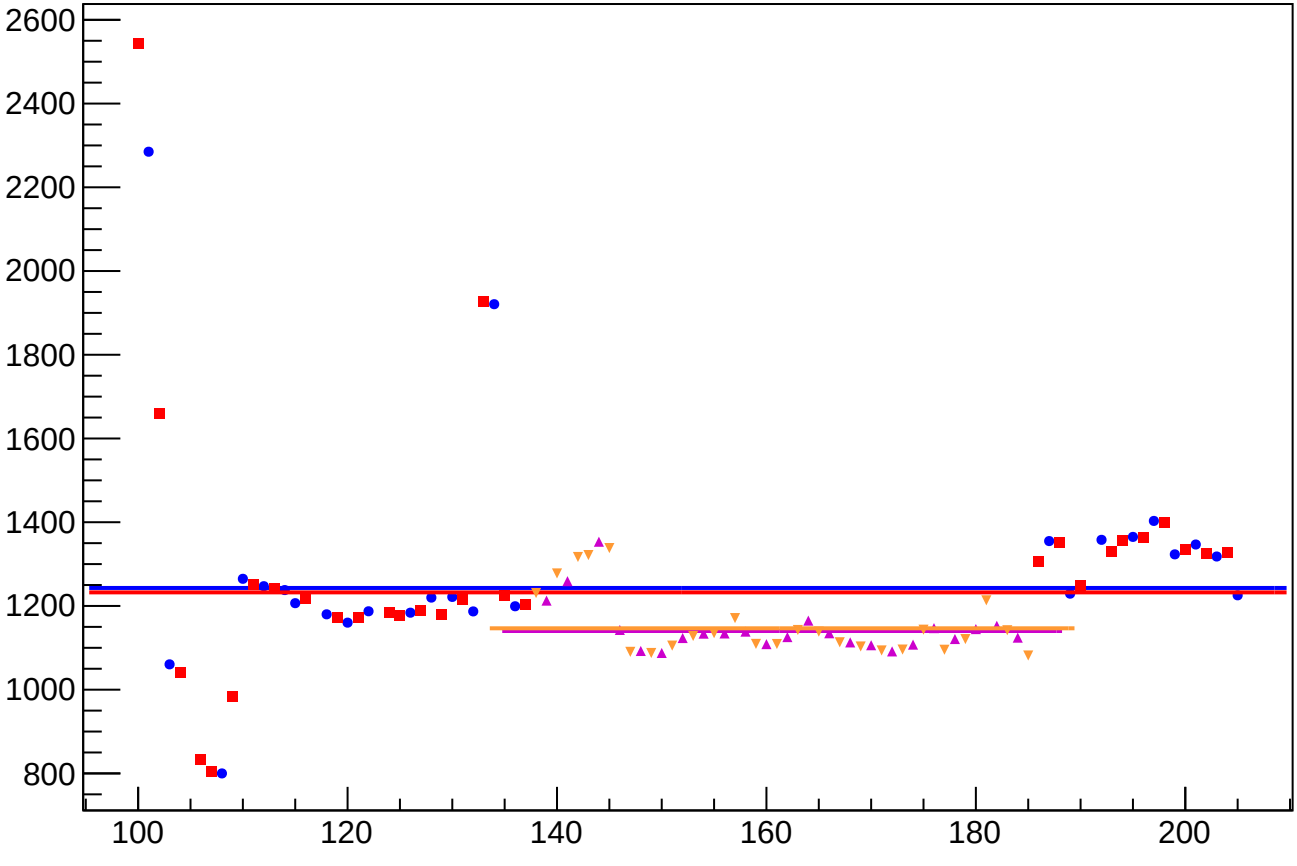
Right: -187.407+/-232.734 χ^2/NDF: 46.6/53

In: -450.111+/-208.705 χ^2/NDF:32.7/47

Out: 317.160+/-203.050 χ^2/NDF:66.4/53

All: -55.940+/-145.536 χ^2/NDF: 106.1/101

dit_asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 1242.979+/-0.237 χ^2/NDF: 734946.4/24

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1232.433+/-0.228 χ^2/NDF: 688980.7/28

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

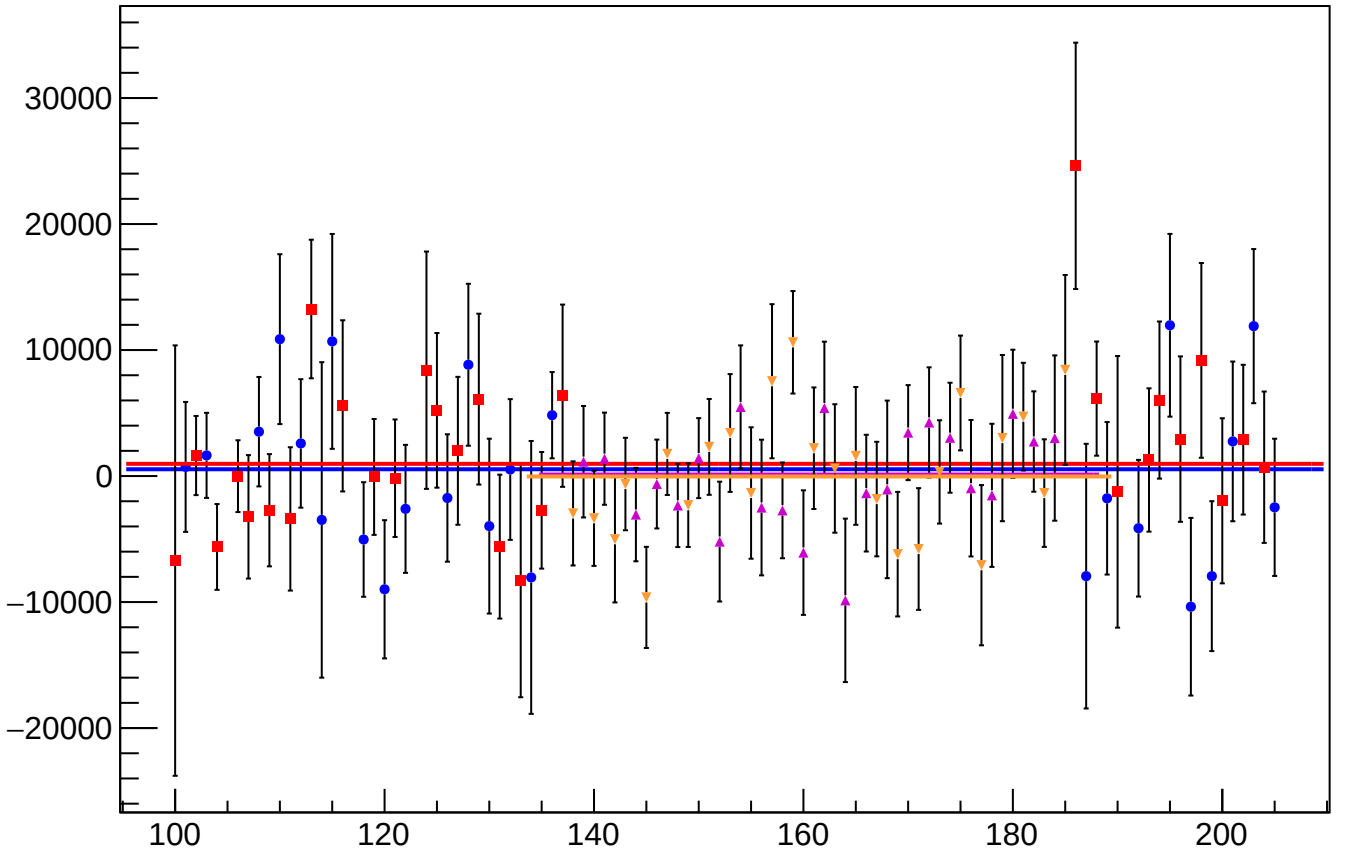
Left: 1143.459+/-0.132 χ^2/NDF: 226350.2/47

Right: 1237.508+/-0.165 χ^2/NDF: 1424952.6/53

In: 1179.964+/-0.148 χ^2/NDF:934829.2/47

Out: 1180.504+/-0.144 χ^2/NDF:915384.1/53

All: 1180.242+/-0.103 χ^2/NDF: 1850220.2/10



Right In: 539.223+/-1109.308 χ^2/NDF: 26.3/24

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: 969.543+/-987.317 χ^2/NDF: 26.3/28

Left In: 121.051+/-915.714 χ^2/NDF:13.8/22

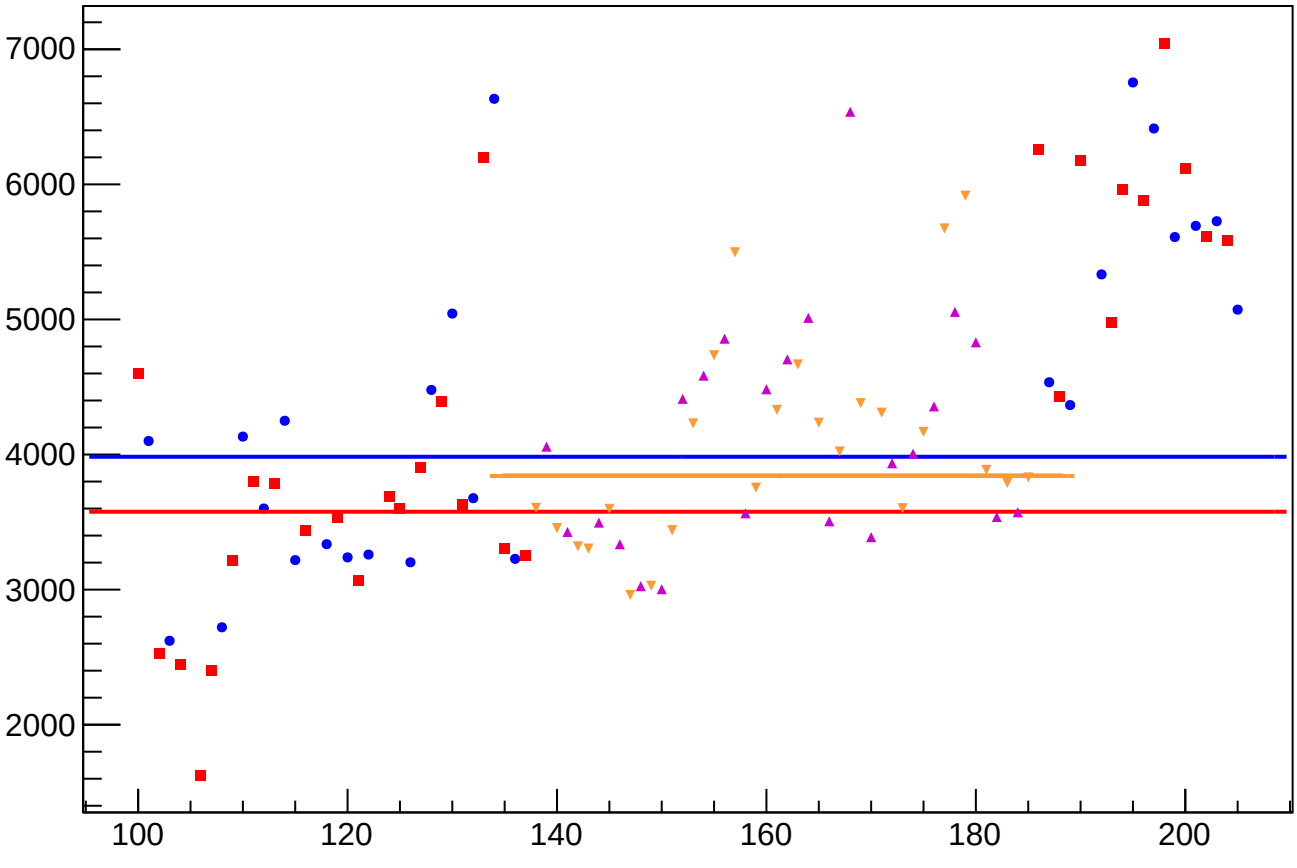
Left: 41.669+/-638.727 χ^2/NDF: 41.5/47

Right: 779.337+/-737.512 χ^2/NDF: 52.7/53

In: 290.522+/-706.190 χ^2/NDF:40.2/47

Out: 416.901+/-661.621 χ^2/NDF:54.6/53

All: 357.825+/-482.825 χ^2/NDF: 94.8/101



Right In: 3983.560+/-0.784 χ^2/NDF: 2177481.9/24

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3576.623+/-0.698 χ^2/NDF: 3921751.9/28

Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

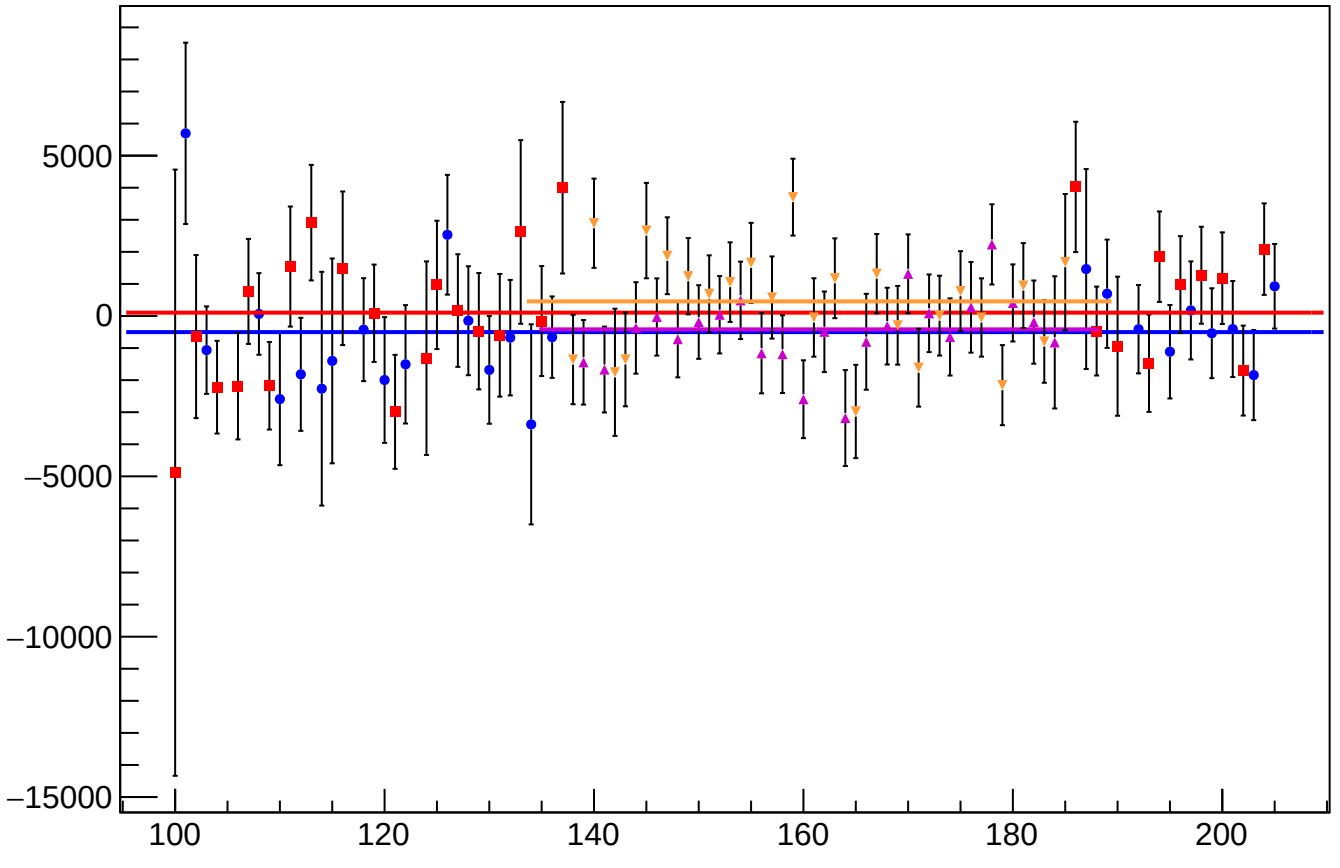
Left: 3842.046+/-0.452 χ^2/NDF: 2314732.0/47

Right: 3756.494+/-0.521 χ^2/NDF: 6249411.0/53

In: 3900.159+/-0.499 χ^2/NDF:3392547.8/47

Out: 3722.185+/-0.468 χ^2/NDF:5119324.3/53

All: 3805.379+/-0.341 χ^2/NDF: 8579521.0/10



Right In: -502.221+/-335.453 χ^2/NDF: 15.4/24

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: 104.759+/-323.163 χ^2/NDF: 29.6/28

Left In: -417.201+/-266.583 χ^2/NDF:17.3/22

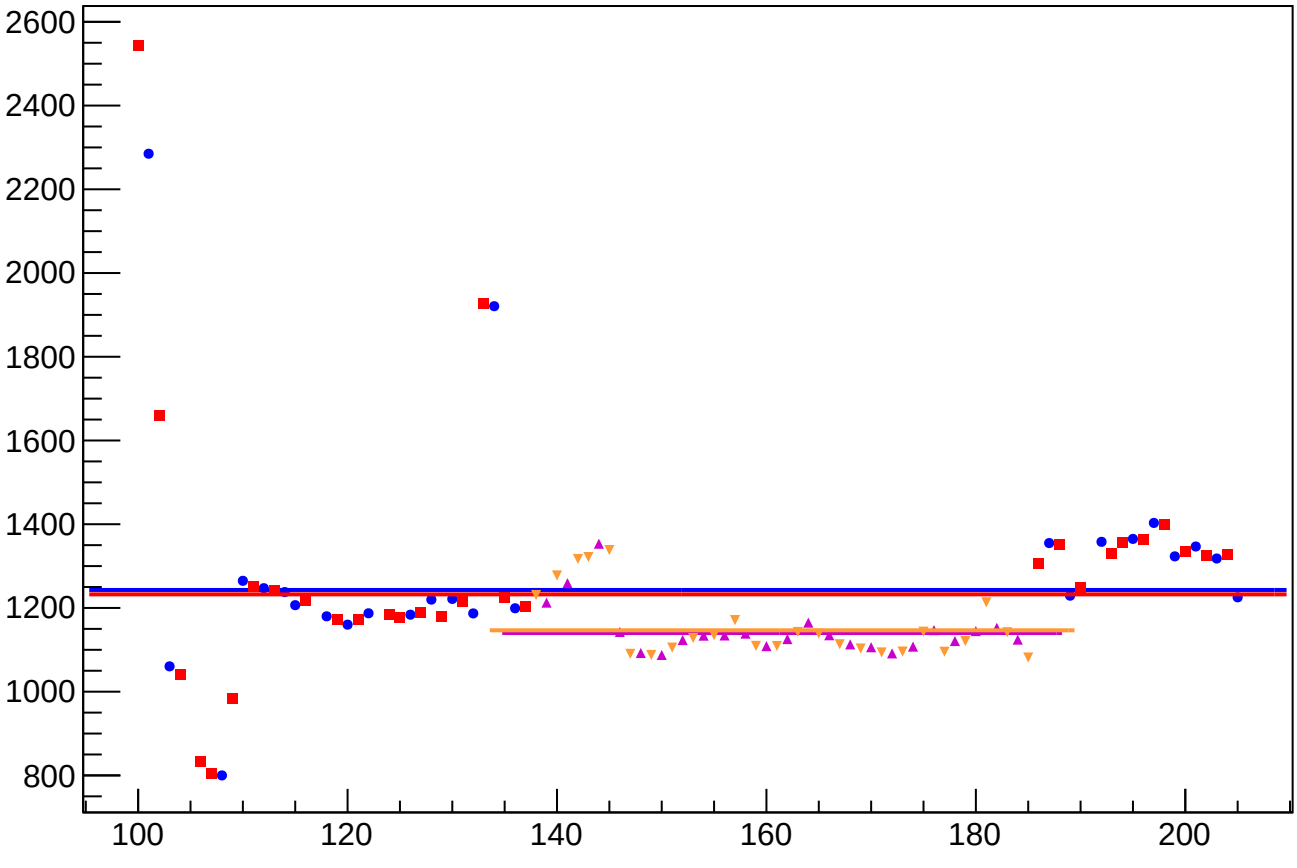
Left: 28.484+/-186.499 χ^2/NDF: 59.0/47

Right: -187.409+/-232.734 χ^2/NDF: 46.6/53

In: -450.111+/-208.705 χ^2/NDF:32.7/47

Out: 317.162+/-203.050 χ^2/NDF:66.4/53

All: -55.939+/-145.536 χ^2/NDF: 106.1/101



Right In: 1242.979+/-0.237 χ^2/NDF: 734947.1/24

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1232.433+/-0.228 χ^2/NDF: 688980.4/28

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

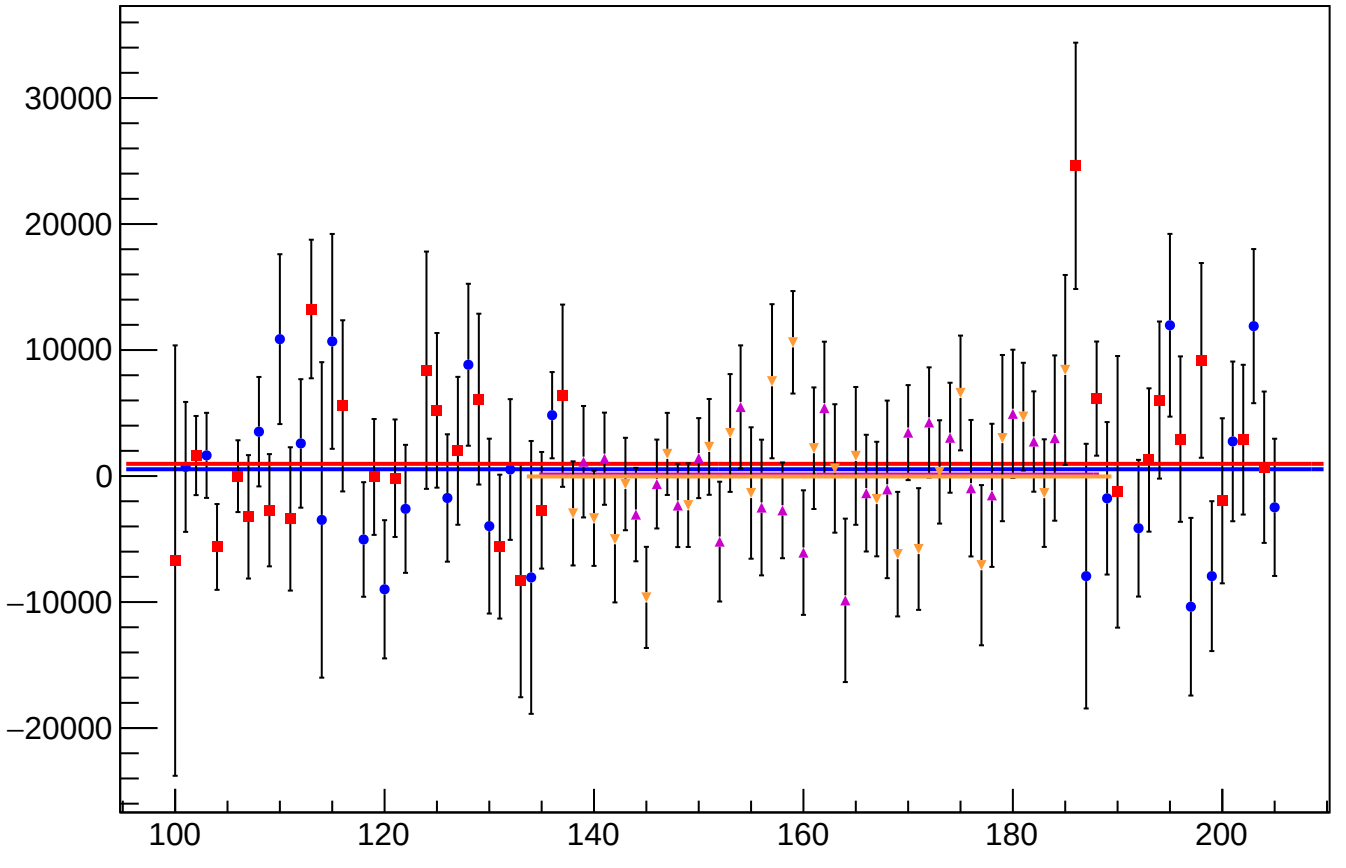
Left: 1143.460+/-0.132 χ^2/NDF: 226349.9/47

Right: 1237.508+/-0.165 χ^2/NDF: 1424953.0/53

In: 1179.965+/-0.148 χ^2/NDF:934827.8/47

Out: 1180.505+/-0.144 χ^2/NDF:915383.1/53

All: 1180.242+/-0.103 χ^2/NDF: 1850217.8/10



Right In: 539.212+/-1109.308 χ^2/NDF: 26.3/24

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

Right Out: 969.535+/-987.316 χ^2/NDF: 26.3/28

Left In: 121.054+/-915.716 χ^2/NDF:13.8/22

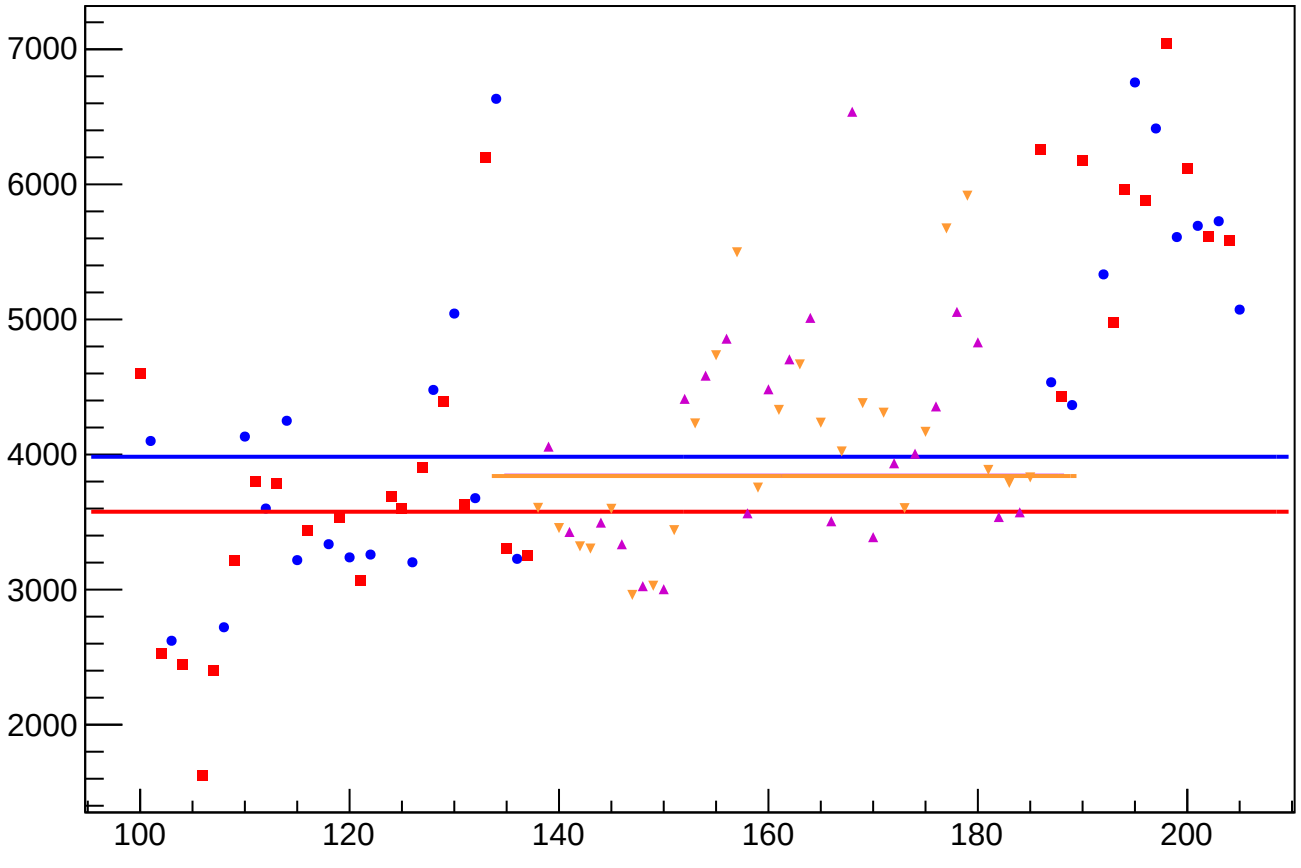
Left: 41.671+/-638.728 χ^2/NDF: 41.5/47

Right: 779.327+/-737.511 χ^2/NDF: 52.7/53

In: 290.519+/-706.191 χ^2/NDF:40.2/47

Out: 416.900+/-661.622 χ^2/NDF:54.6/53

All: 357.823+/-482.825 χ^2/NDF: 94.8/101



Right In: 3983.557+/-0.784 χ^2/NDF: 2177491.6/24

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3576.618+/-0.698 χ^2/NDF: 3921770.6/28

Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

Left: 3842.051+/-0.452 χ^2/NDF: 2314737.5/47

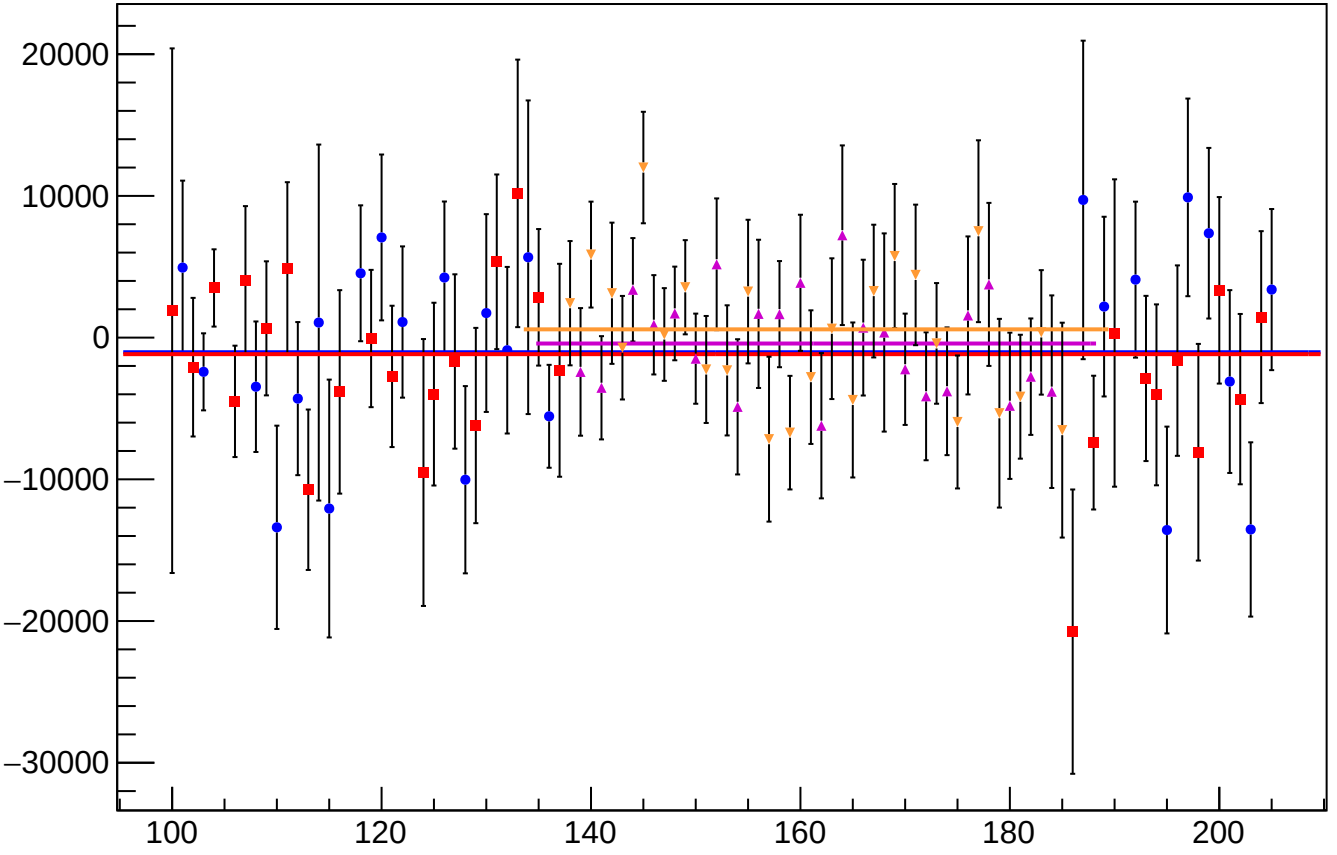
Right: 3756.490+/-0.521 χ^2/NDF: 6249441.4/53

In: 3900.161+/-0.499 χ^2/NDF:3392559.4/47

Out: 3722.185+/-0.468 χ^2/NDF:5119350.6/53

All: 3805.380+/-0.341 χ^2/NDF: 8579560.0/10

asym_usr_atr2_dd_mean vs Slug, Sign Corrected



Right In: -1032.555+/-1122.055 χ^2/NDF: 28.9/24

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: -1167.106+/-1053.139 χ^2/NDF: 21.4/28

Left In: -416.803+/-919.006 χ^2/NDF:12.5/22

Left: 96.526+/-641.143 χ^2/NDF: 40.5/47

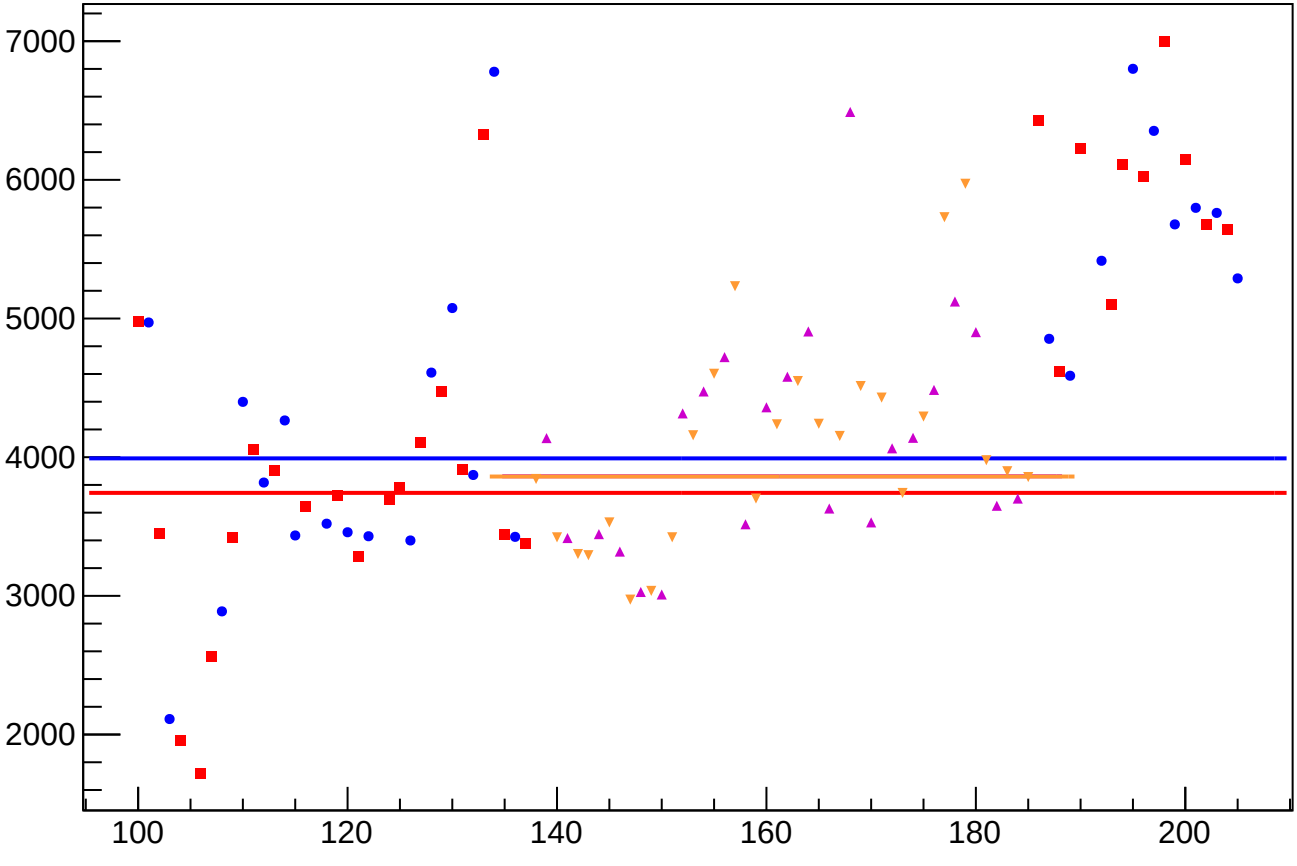
Right: -1104.089+/-767.890 χ^2/NDF: 50.3/53

In: -664.023+/-710.973 χ^2/NDF:41.5/47

Out: -150.663+/-681.945 χ^2/NDF:50.5/53

All: -396.649+/-492.150 χ^2/NDF: 92.3/101

asym_usr_atr2_dd_rms vs Slug, Sign Corrected



Right In: 3991.482+/-0.793 χ^2/NDF: 2737149.4/24

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

Right Out: 3742.651+/-0.735 χ^2/NDF: 3886812.5/28

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

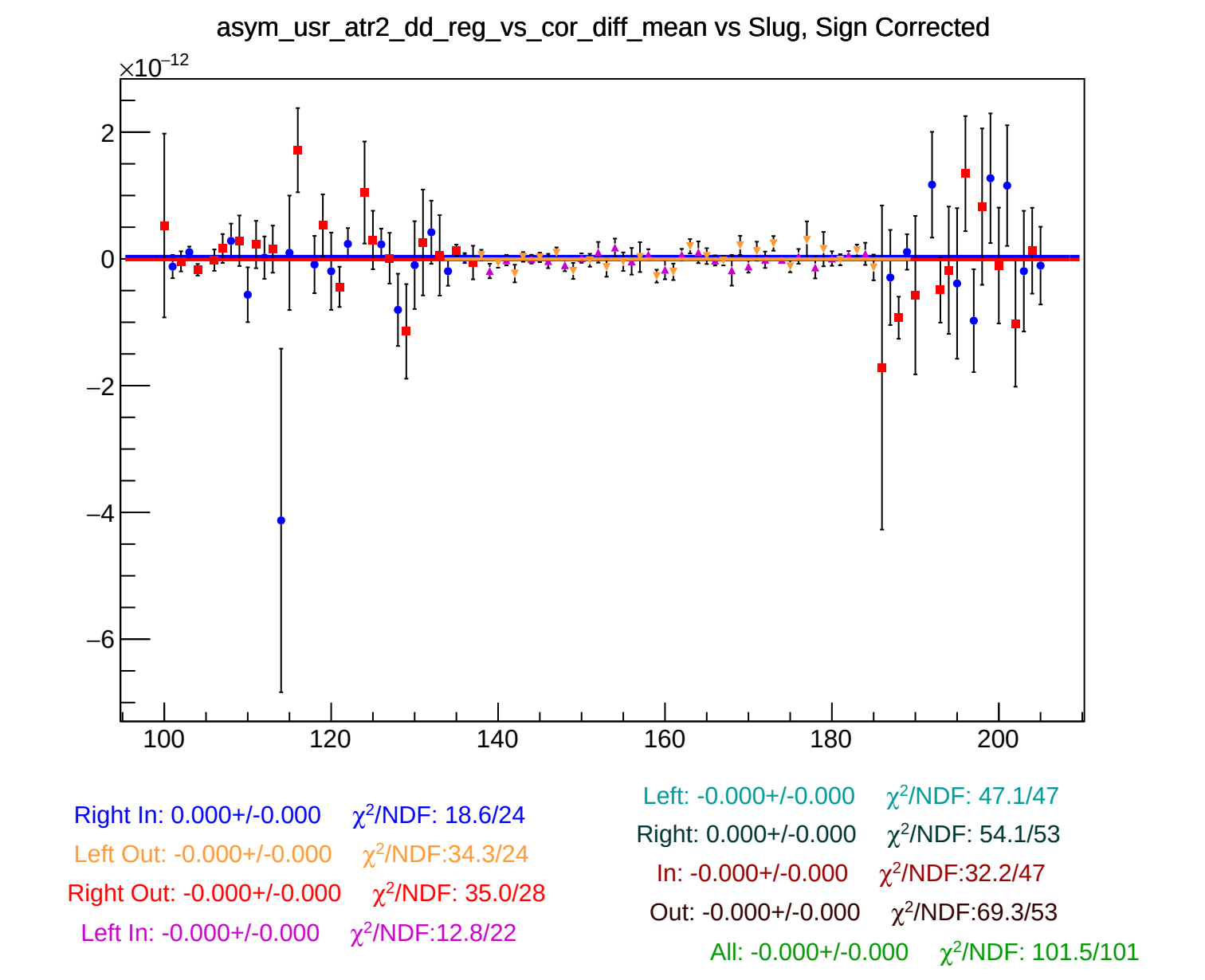
Left: 3861.414+/-0.453 χ^2/NDF: 2239476.3/47

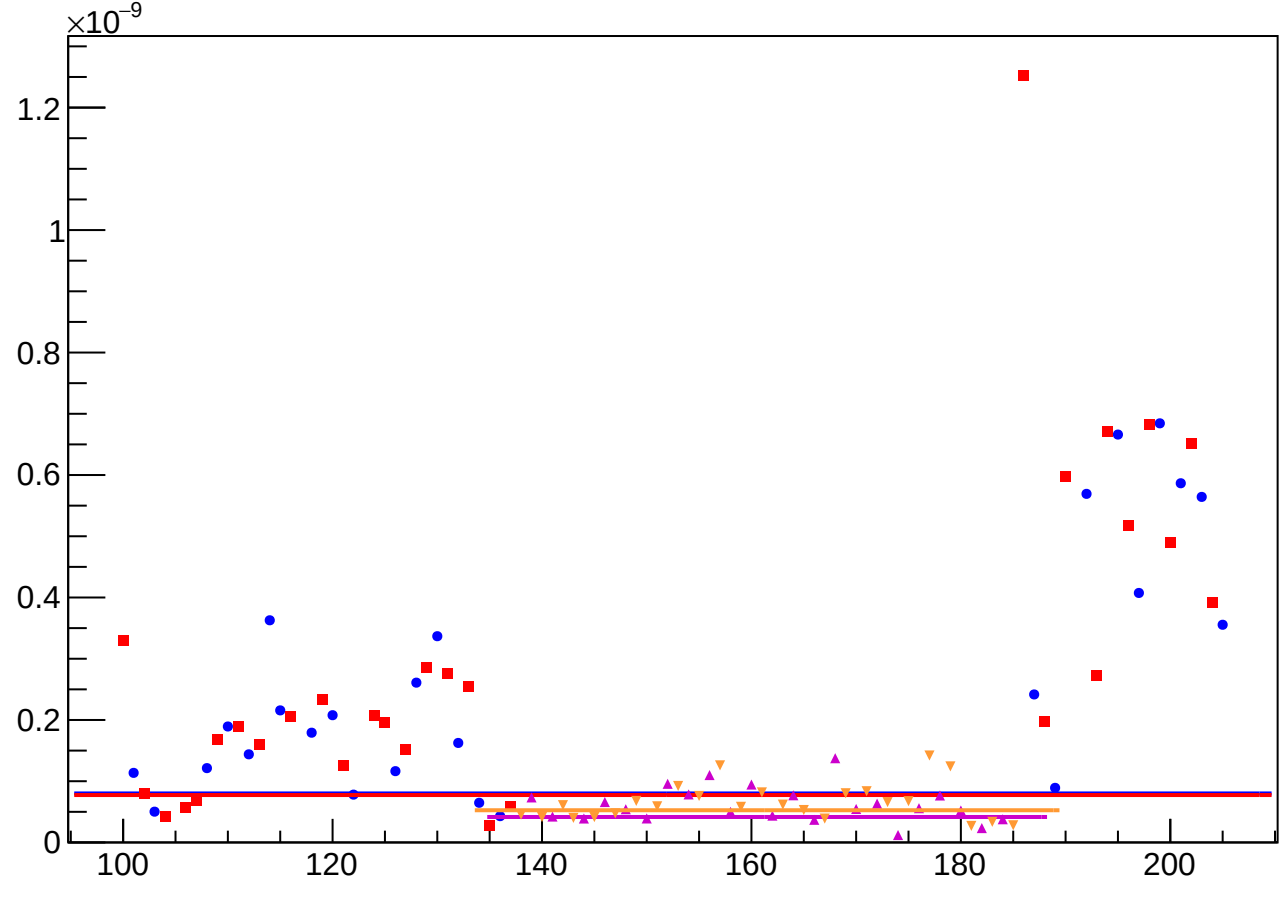
Right: 3857.636+/-0.539 χ^2/NDF: 6676868.6/53

In: 3914.189+/-0.503 χ^2/NDF:3895185.9/47

Out: 3810.384+/-0.480 χ^2/NDF:4998869.8/53

All: 3859.850+/-0.347 χ^2/NDF: 8916373.7/10


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: 18.6/24
Left Out: -0.000+/-0.000 χ²/NDF:34.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 35.0/28
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: 54.1/53
In: -0.000+/-0.000 χ²/NDF:32.2/47
Out: -0.000+/-0.000 χ²/NDF:69.3/53
All: -0.000+/-0.000 χ²/NDF: 101.5/101



Right In: 0.000+/-0.000 χ^2/NDF: 5602394.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6872499.4/28

Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

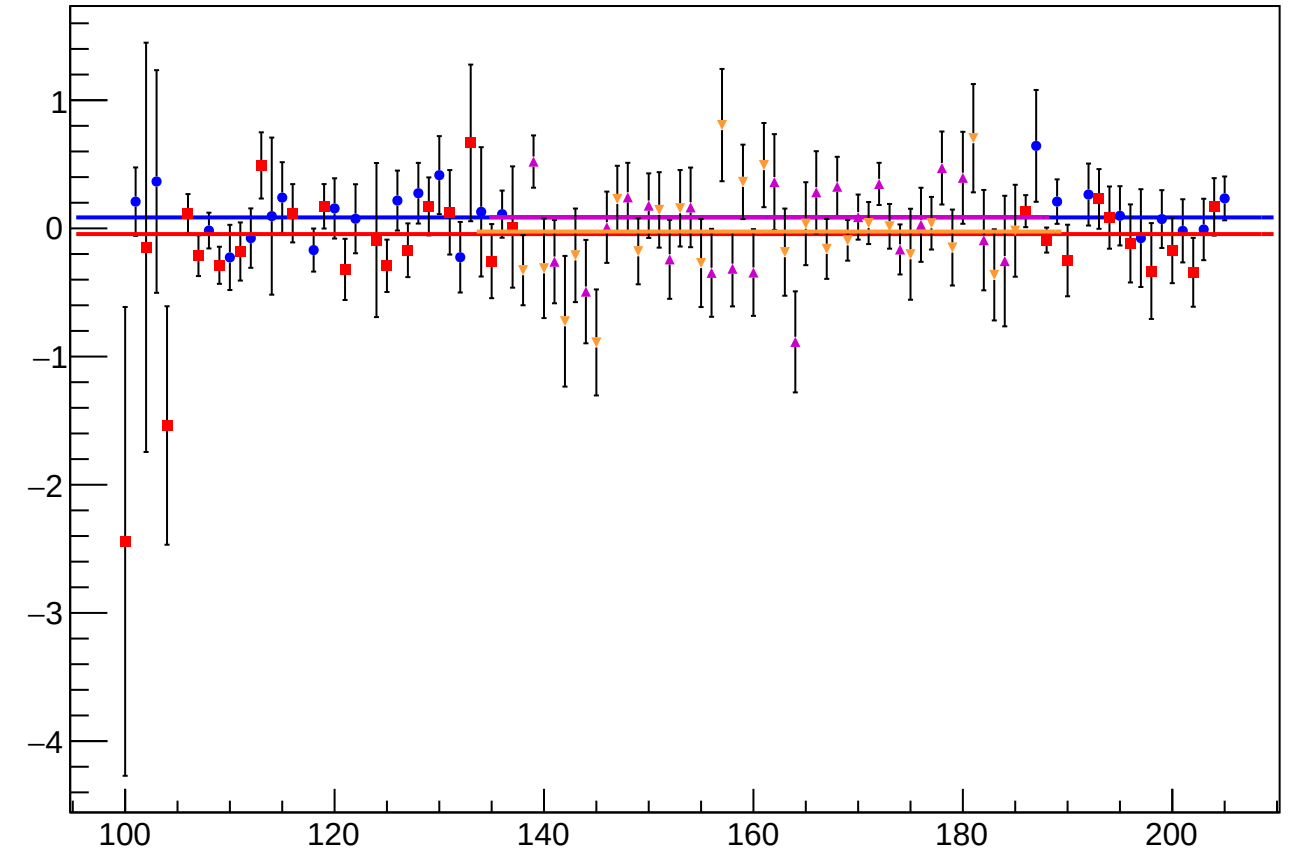
Left: 0.000+/-0.000 χ^2/NDF: 4840259.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12477823.9/53

In: 0.000+/-0.000 χ^2/NDF:9659553.1/47

Out: 0.000+/-0.000 χ^2/NDF:8925765.1/53

All: 0.000+/-0.000 χ^2/NDF: 18843956.2/101



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

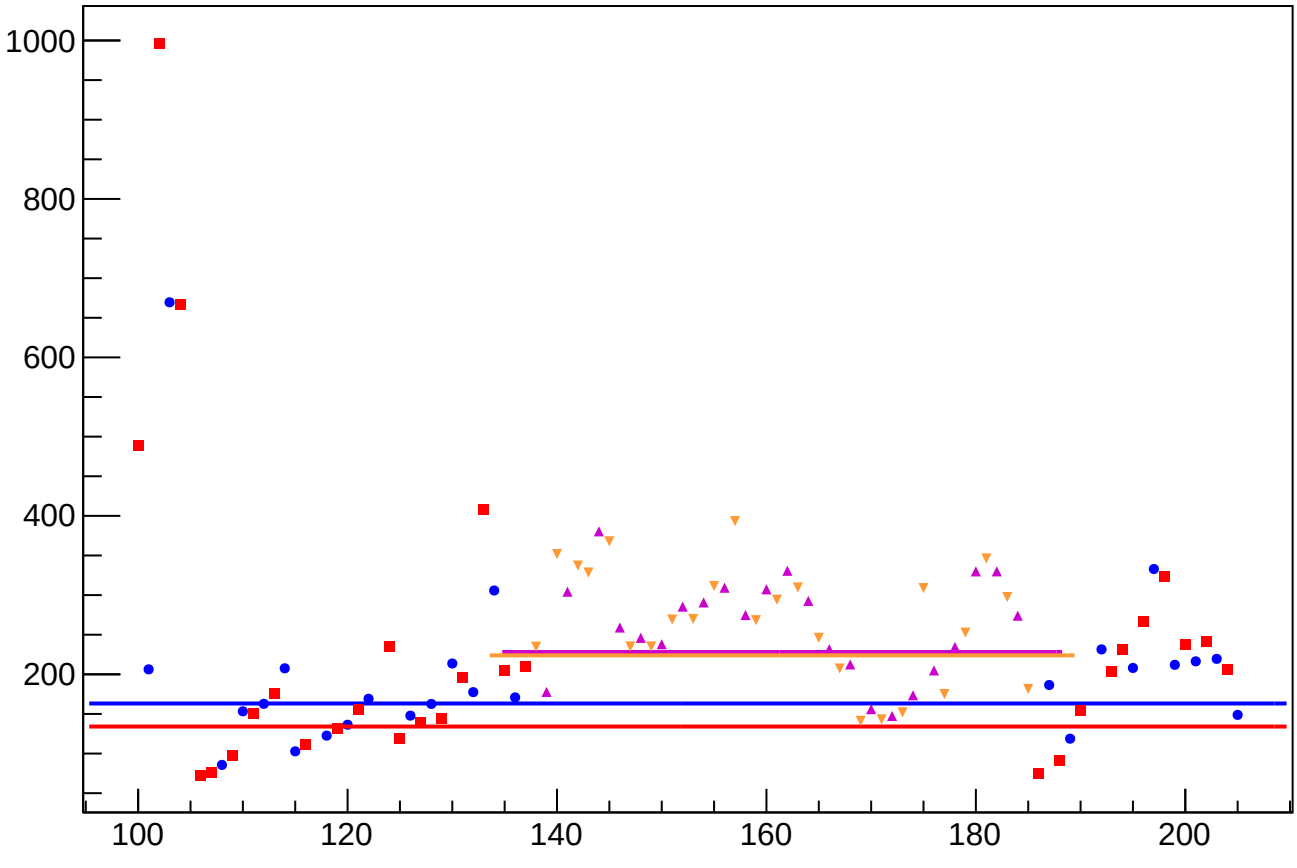
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.010+/-0.031 χ^2/NDF: 47.2/53

In: 0.087+/-0.036 χ^2/NDF:42.9/47

Out: -0.038+/-0.032 χ^2/NDF:54.0/53

All: 0.017+/-0.024 χ^2/NDF: 103.5/101



Right In: 163.190+/-0.033 χ^2/NDF: 2913025.8/24

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.099+/-0.028 χ^2/NDF: 5969427.5/28

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

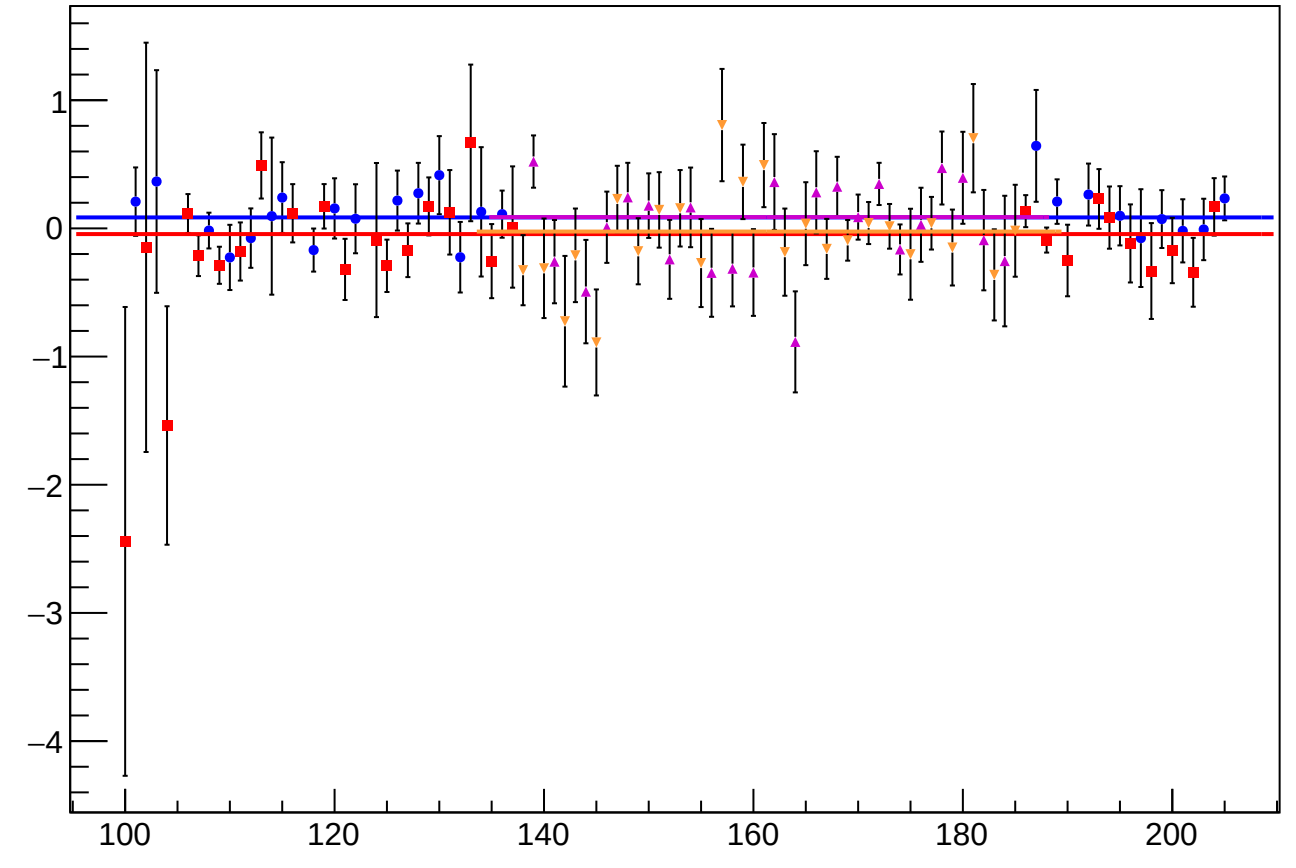
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 146.291+/-0.022 χ^2/NDF: 9321356.9/53

In: 189.910+/-0.026 χ^2/NDF:6952779.2/47

Out: 165.685+/-0.023 χ^2/NDF:12919589.7/53

All: 176.409+/-0.017 χ^2/NDF: 20368136.3/10



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

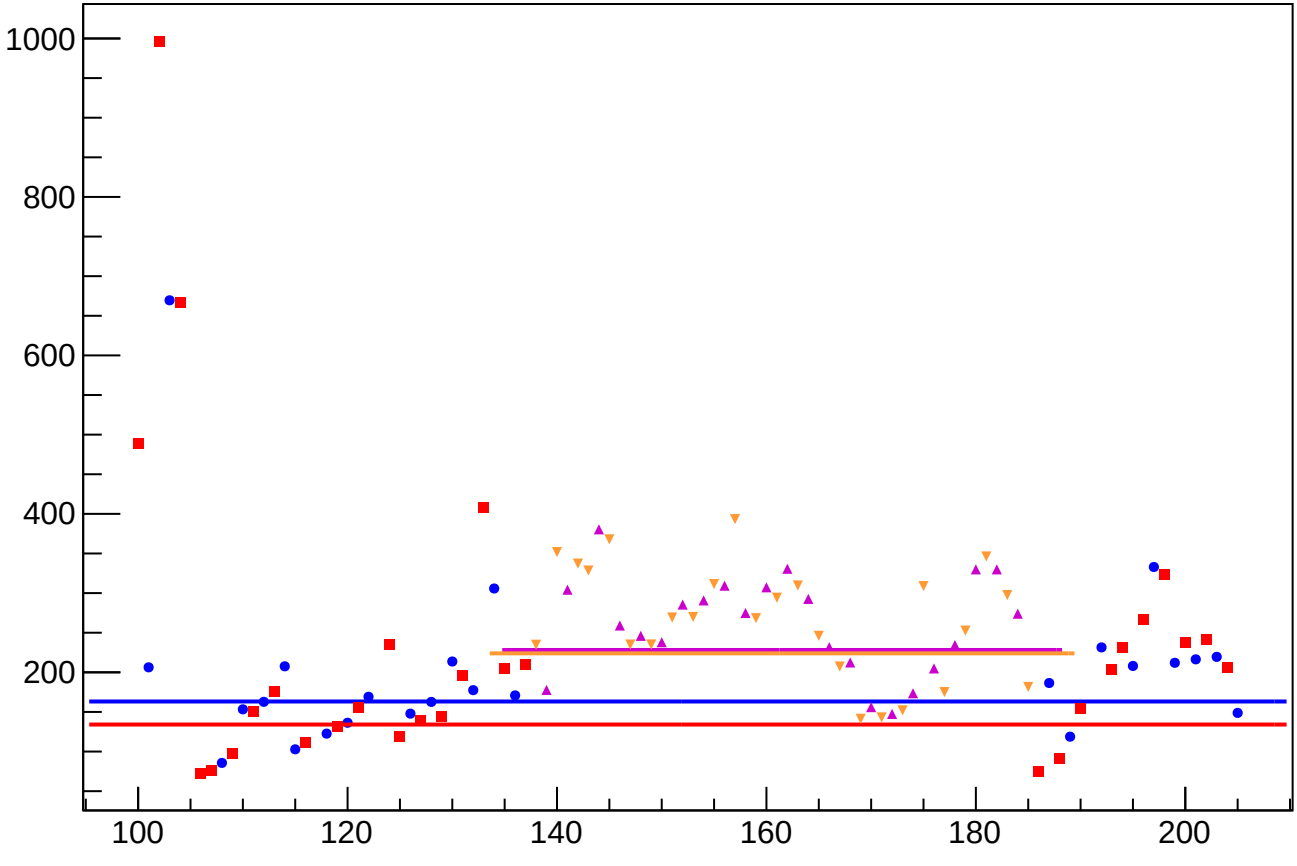
Right: 0.010+/-0.031 χ^2/NDF: 47.2/53

In: 0.087+/-0.036 χ^2/NDF:42.9/47

Out: -0.038+/-0.032 χ^2/NDF:54.0/53

All: 0.017+/-0.024 χ^2/NDF: 103.5/101

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 163.190+/-0.033 χ^2/NDF: 2913025.8/24

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 134.099+/-0.028 χ^2/NDF: 5969427.5/28

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

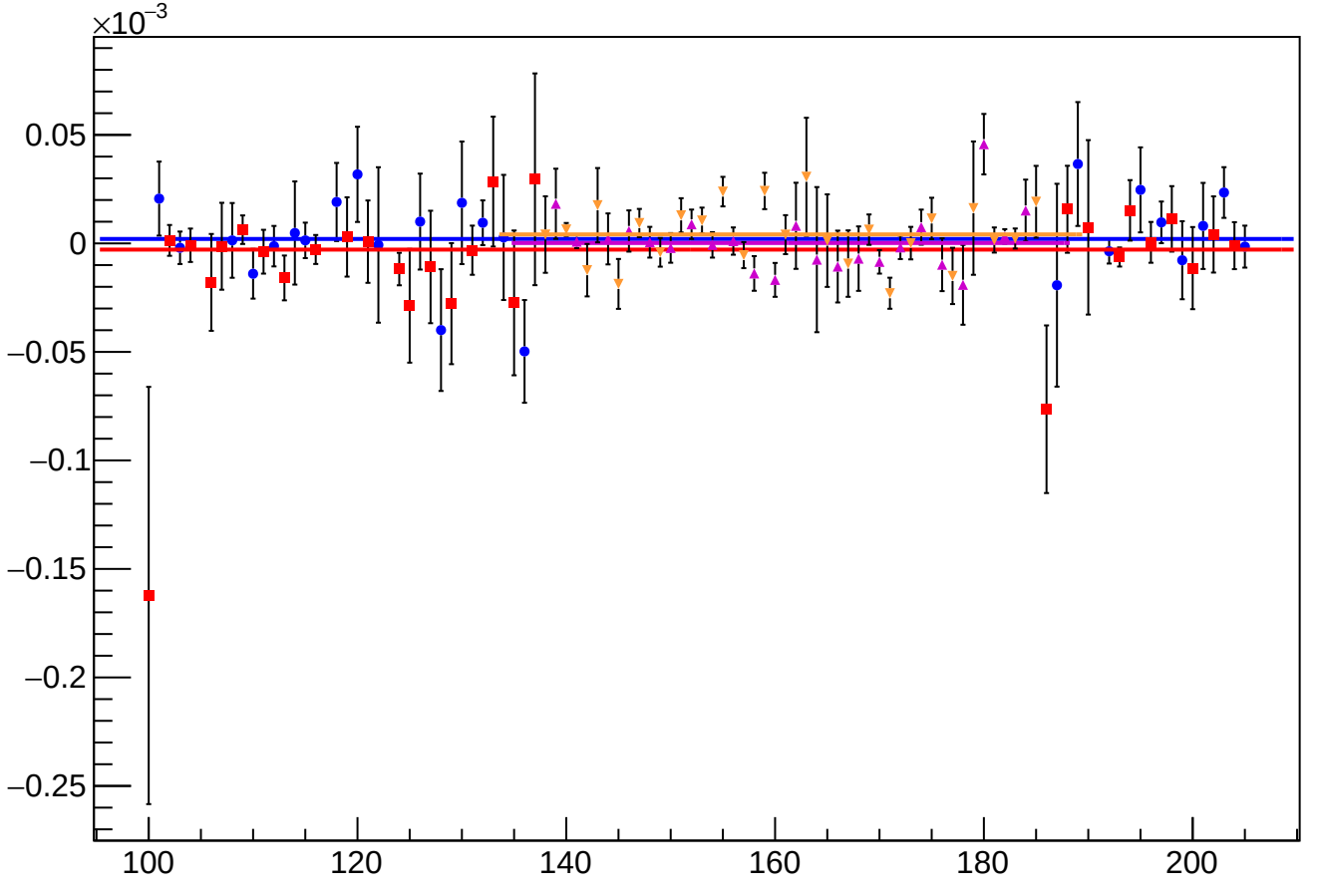
Left: 225.993+/-0.028 χ^2/NDF: 5933206.6/47

Right: 146.291+/-0.022 χ^2/NDF: 9321356.9/53

In: 189.910+/-0.026 χ^2/NDF:6952779.2/47

Out: 165.685+/-0.023 χ^2/NDF:12919589.7/53

All: 176.409+/-0.017 χ^2/NDF: 20368136.3/10



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 20.9/28

Left In: 0.000+/-0.000 χ^2/NDF:30.1/22

Left: 0.000+/-0.000 χ^2/NDF: 82.6/47

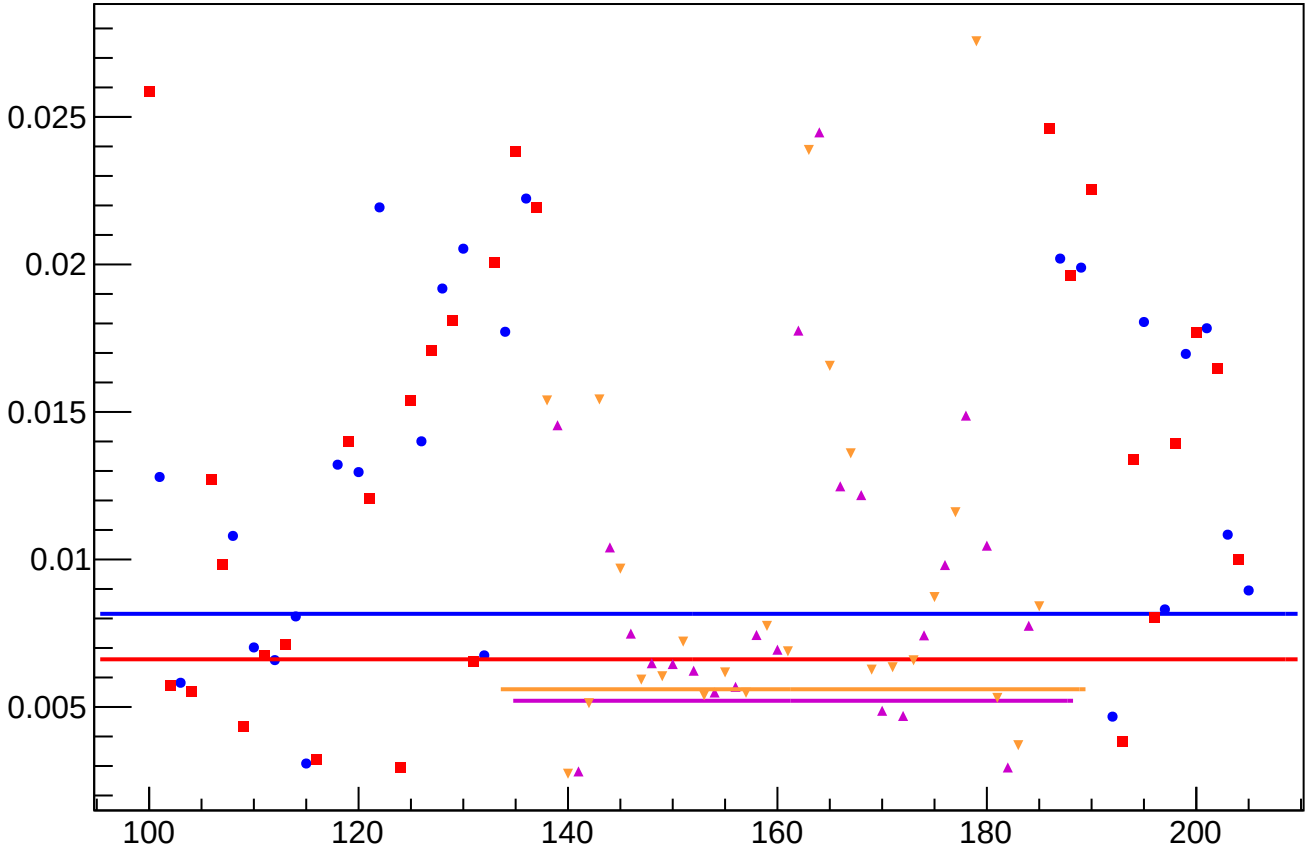
Right: -0.000+/-0.000 χ^2/NDF: 46.1/53

In: 0.000+/-0.000 χ^2/NDF:53.4/47

Out: 0.000+/-0.000 χ^2/NDF:77.4/53

All: 0.000+/-0.000 χ^2/NDF: 131.2/101

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 6400233.1/24

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8997435.9/28

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

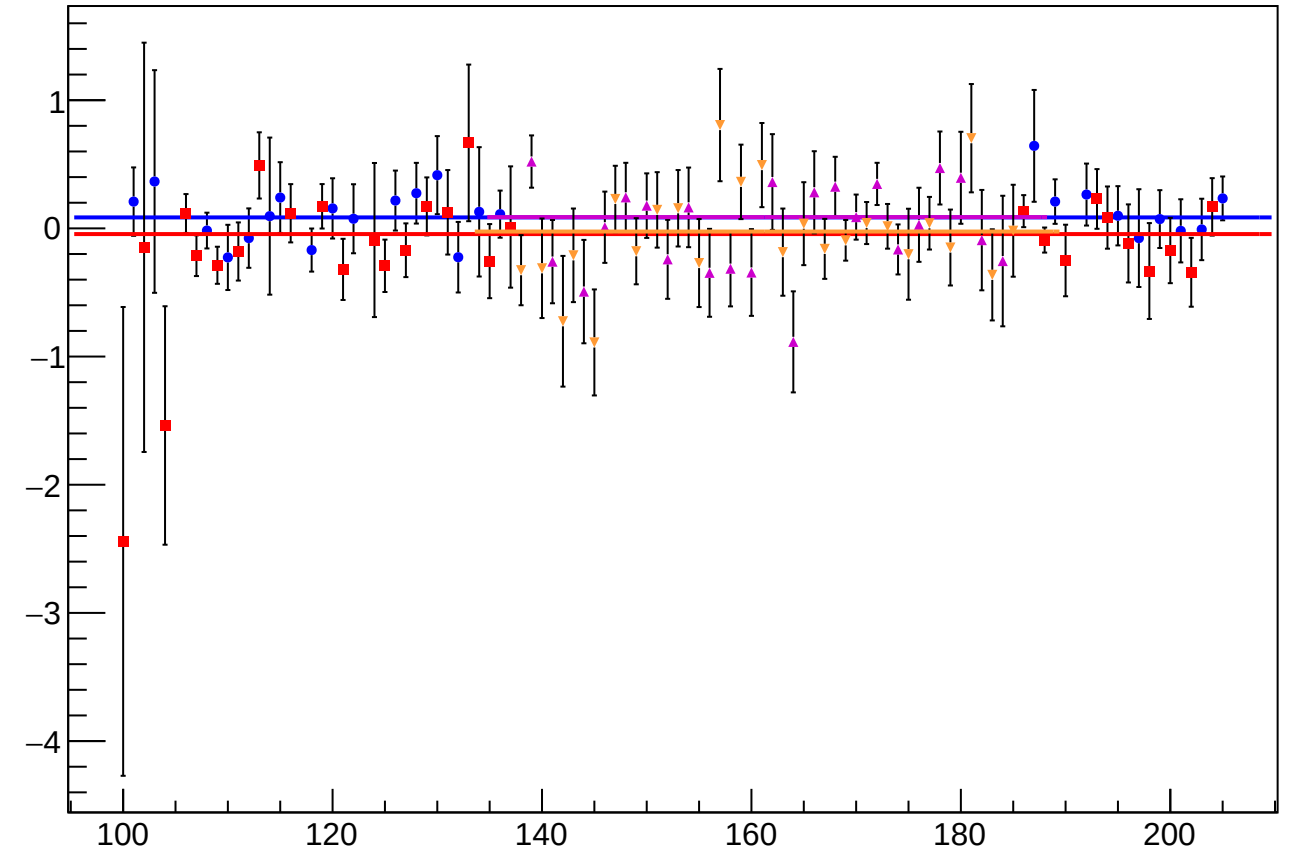
Left: 0.005+/-0.000 χ^2/NDF: 15302092.7/47

Right: 0.007+/-0.000 χ^2/NDF: 15839014.0/53

In: 0.006+/-0.000 χ^2/NDF:15887426.4/47

Out: 0.006+/-0.000 χ^2/NDF:17087964.4/53

All: 0.006+/-0.000 χ^2/NDF: 32975844.1/101



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

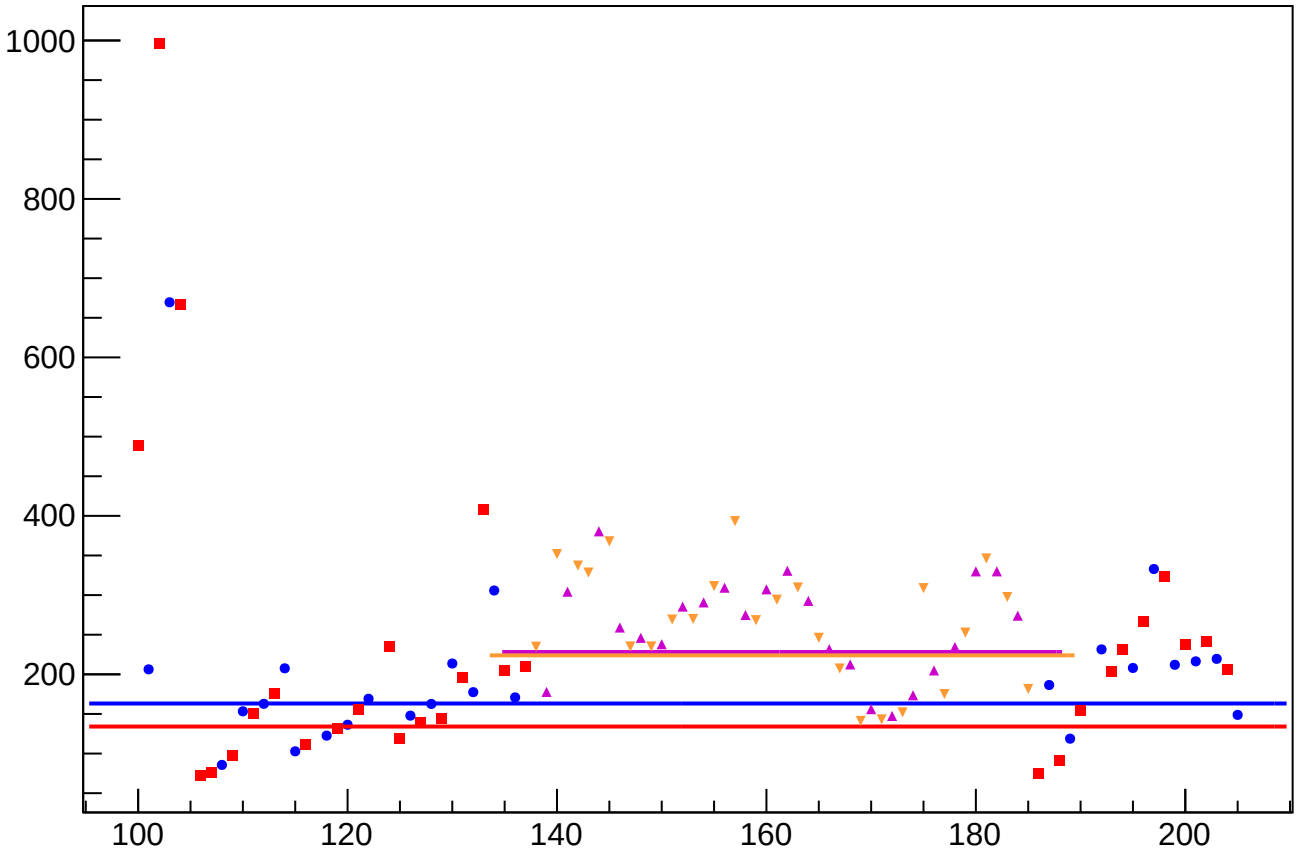
Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

Right: 0.010+/-0.031 χ^2/NDF: 47.2/53

In: 0.087+/-0.036 χ^2/NDF:42.9/47

Out: -0.038+/-0.032 χ^2/NDF:54.0/53

All: 0.017+/-0.024 χ^2/NDF: 103.5/101



Right In: 163.187+/-0.033 χ^2/NDF: 2913222.0/24

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 134.104+/-0.028 χ^2/NDF: 5968936.0/28

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

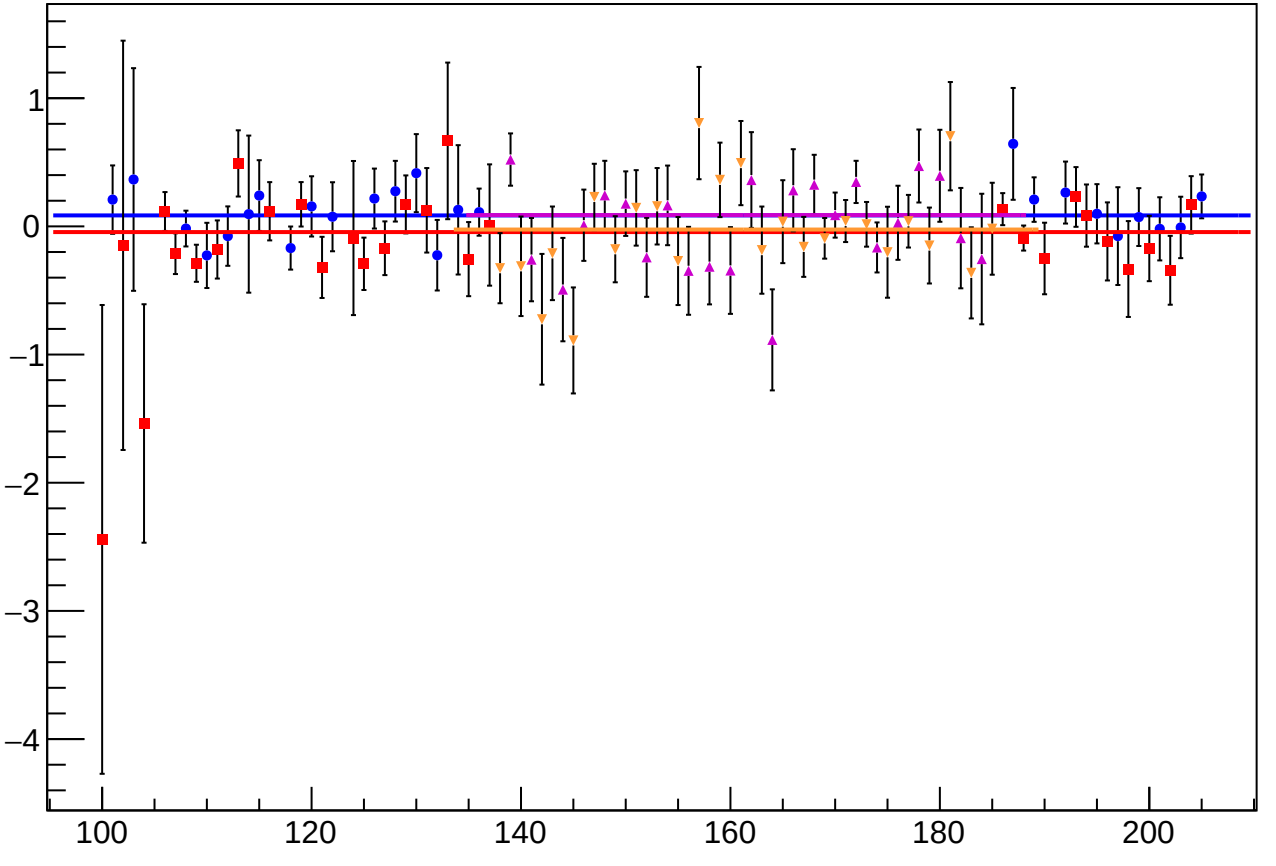
Right: 146.293+/-0.022 χ^2/NDF: 9320815.9/53

In: 189.908+/-0.026 χ^2/NDF:6953247.7/47

Out: 165.689+/-0.023 χ^2/NDF:12918820.8/53

All: 176.411+/-0.017 χ^2/NDF: 20367574.5/10

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: -0.044+/-0.040 χ^2/NDF: 29.9/28

Left In: 0.088+/-0.057 χ^2/NDF:30.0/22

Left: 0.030+/-0.039 χ^2/NDF: 56.1/47

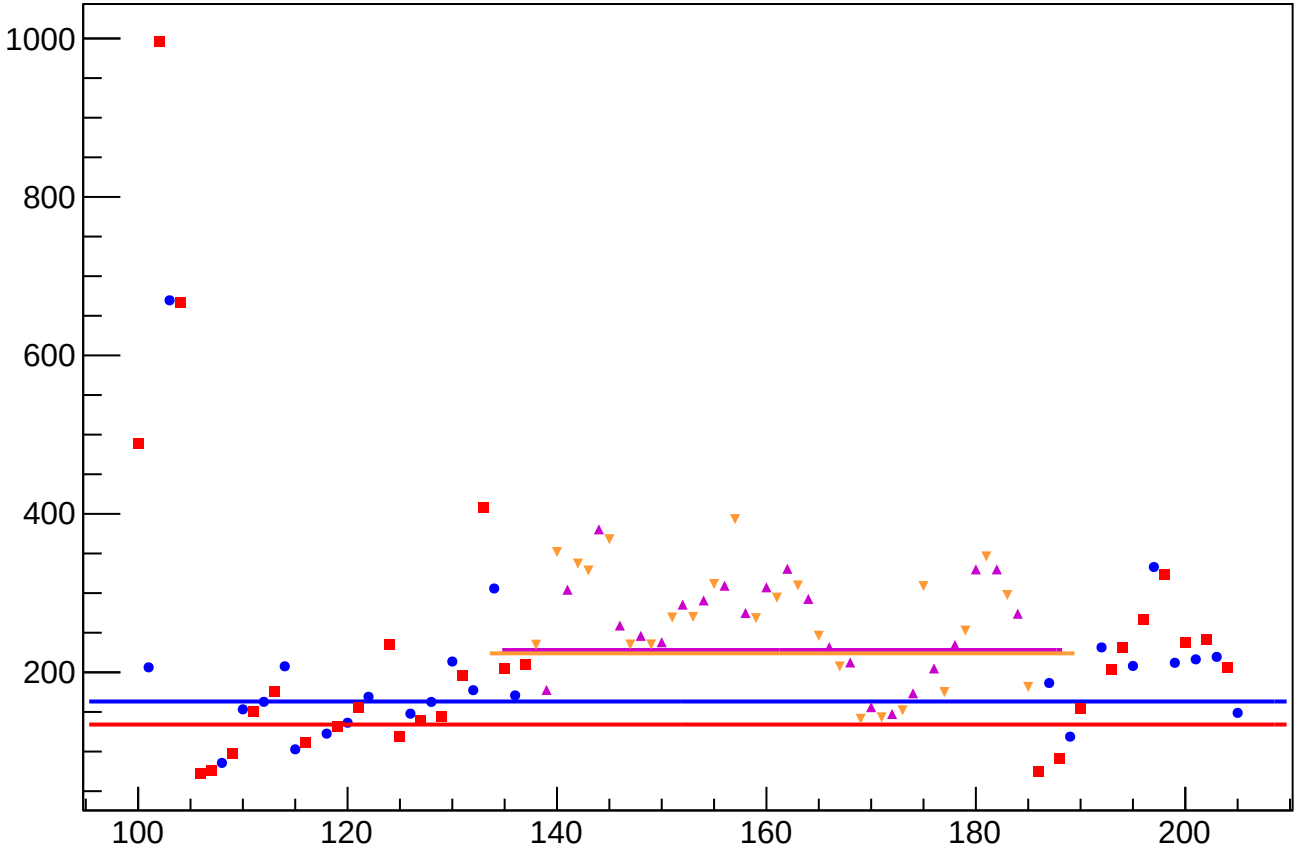
Right: 0.010+/-0.031 χ^2/NDF: 47.2/53

In: 0.087+/-0.036 χ^2/NDF:42.9/47

Out: -0.038+/-0.032 χ^2/NDF:54.0/53

All: 0.017+/-0.024 χ^2/NDF: 103.5/101

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 163.187+/-0.033 χ^2/NDF: 2913222.0/24

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

Right Out: 134.104+/-0.028 χ^2/NDF: 5968936.0/28

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

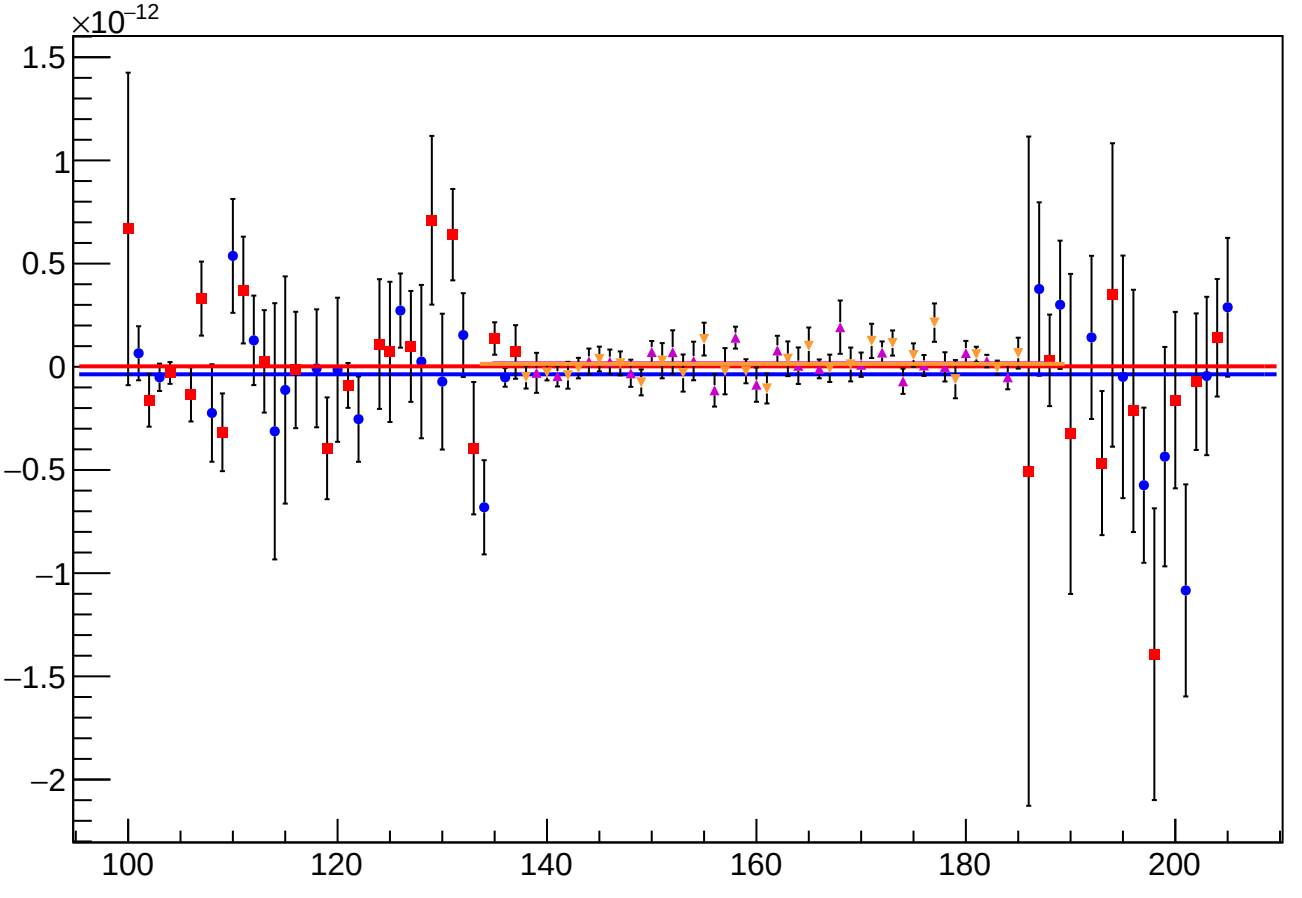
Left: 225.995+/-0.028 χ^2/NDF: 5933340.6/47

Right: 146.293+/-0.022 χ^2/NDF: 9320815.9/53

In: 189.908+/-0.026 χ^2/NDF:6953247.7/47

Out: 165.689+/-0.023 χ^2/NDF:12918820.8/53

All: 176.411+/-0.017 χ^2/NDF: 20367574.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 38.6/28

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

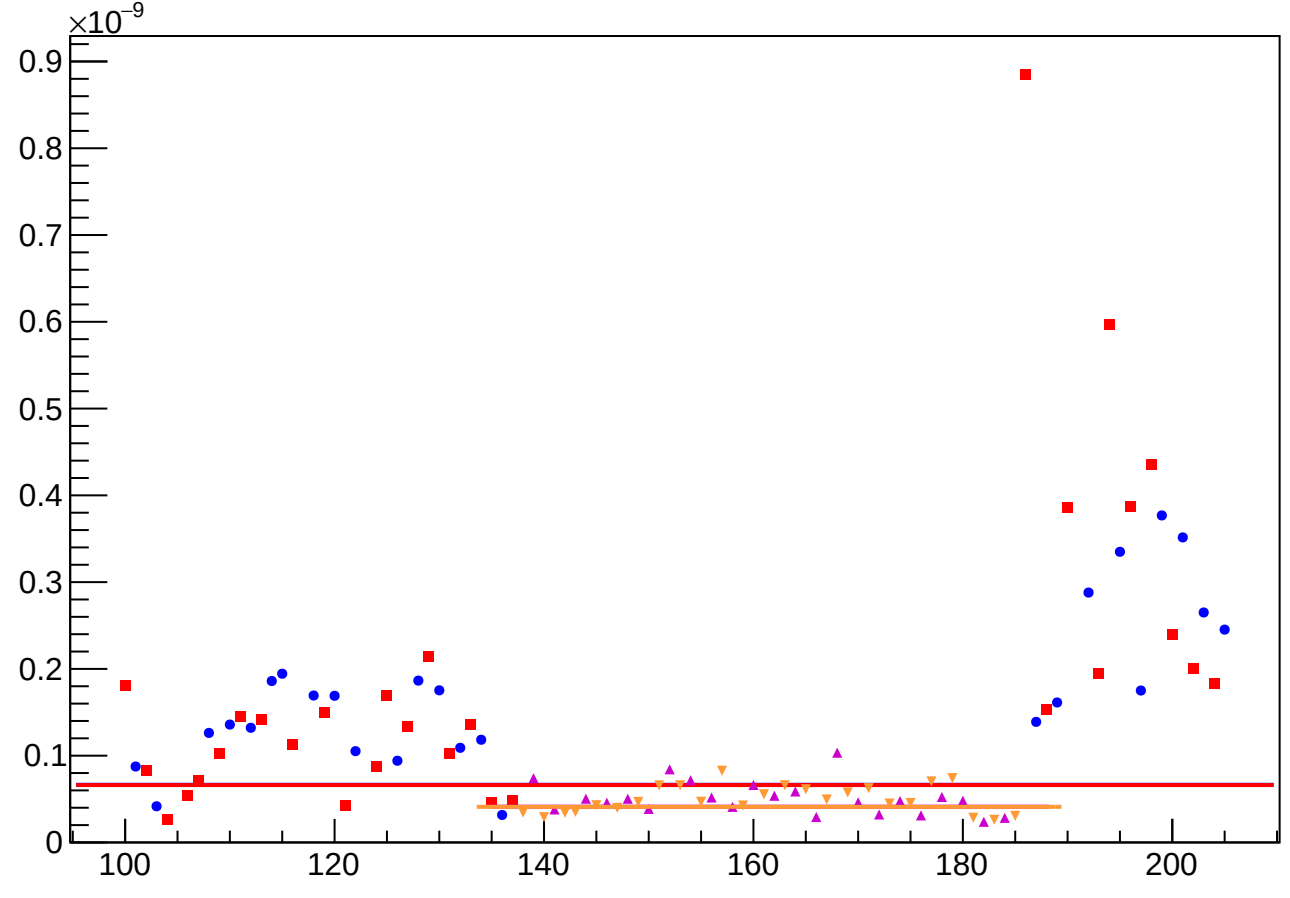
Left: 0.000+/-0.000 χ^2/NDF: 47.1/47

Right: -0.000+/-0.000 χ^2/NDF: 68.9/53

In: 0.000+/-0.000 χ^2/NDF:53.7/47

Out: 0.000+/-0.000 χ^2/NDF:64.1/53

All: 0.000+/-0.000 χ^2/NDF: 117.8/101



Right In: 0.000+/-0.000 χ^2/NDF: 7156406.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7554070.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

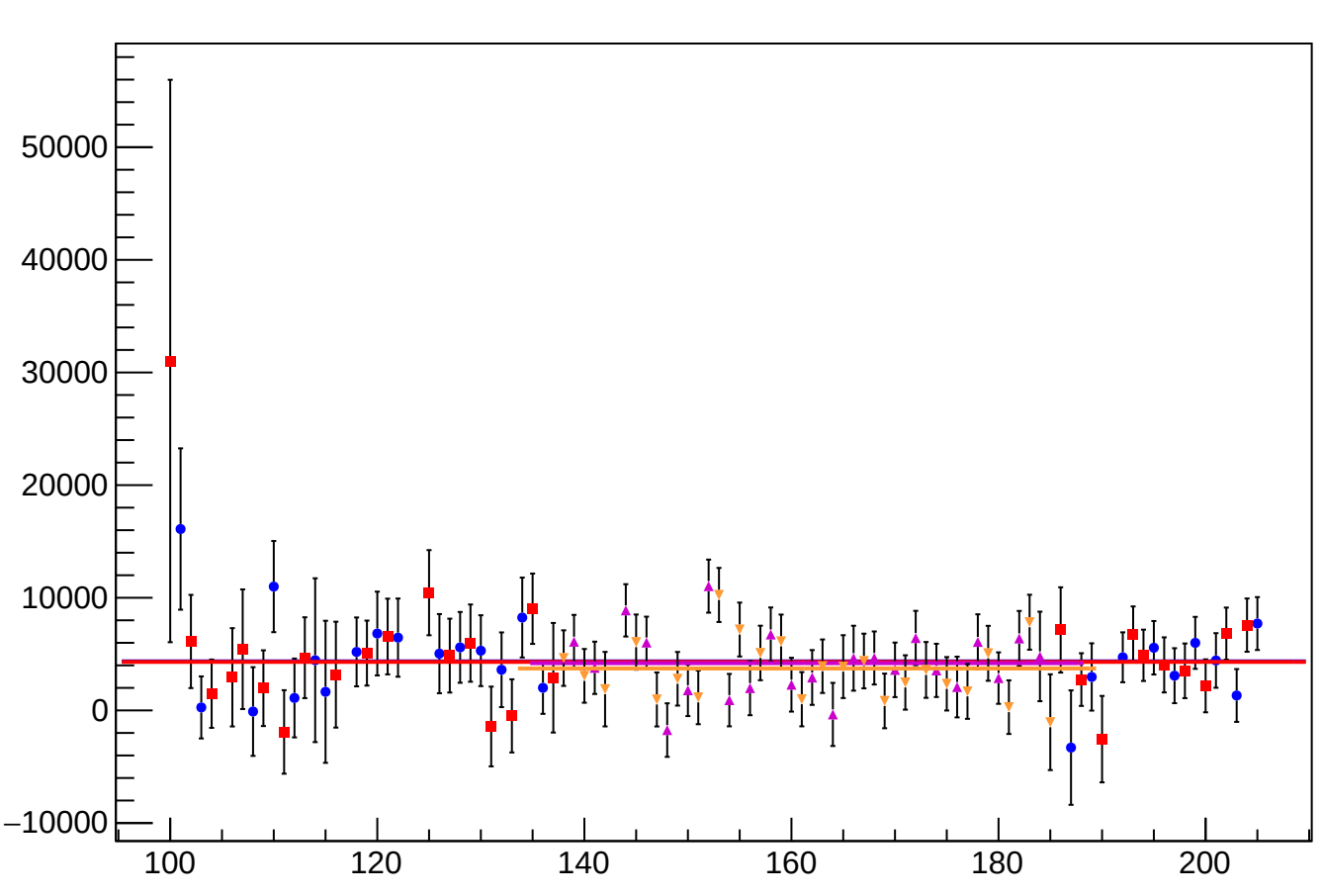
Left: 0.000+/-0.000 χ^2/NDF: 5496578.5/47

Right: 0.000+/-0.000 χ^2/NDF: 14710578.4/53

In: 0.000+/-0.000 χ^2/NDF:11133757.0/47

Out: 0.000+/-0.000 χ^2/NDF:11333658.2/53

All: 0.000+/-0.000 χ^2/NDF: 22467977.7/101



Right In: 4355.414+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: 4308.658+/-589.572 χ^2/NDF: 25.6/27

Left In: 4195.942+/-510.578 χ^2/NDF:32.1/22

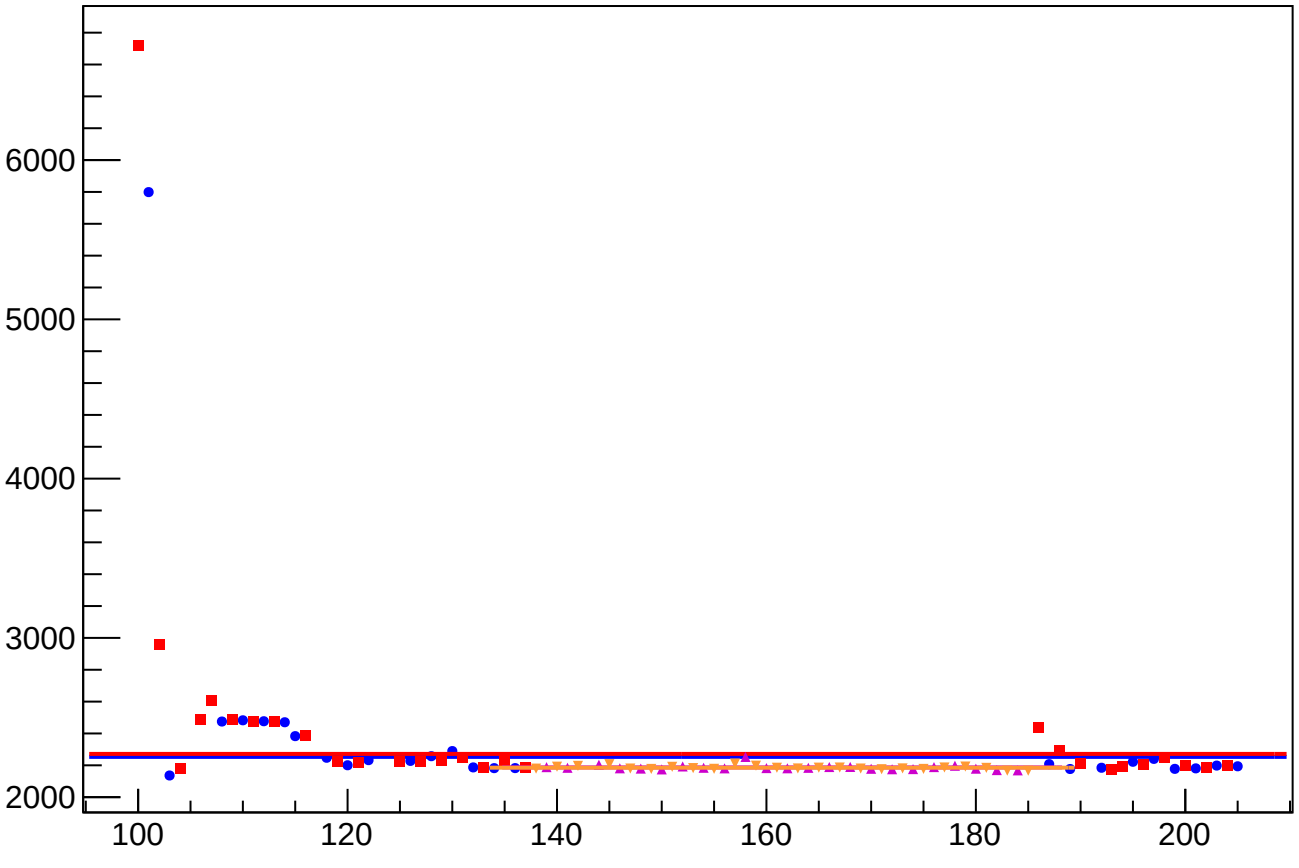
Left: 3958.125+/-359.817 χ^2/NDF: 58.0/46

Right: 4331.412+/-422.417 χ^2/NDF: 46.2/52

In: 4262.209+/-390.336 χ^2/NDF:52.8/47

Out: 3972.344+/-384.478 χ^2/NDF:51.6/51

All: 4115.085+/-273.915 χ^2/NDF: 104.6/99



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.4/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2271.598+/-0.417 χ^2/NDF: 178311.6/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

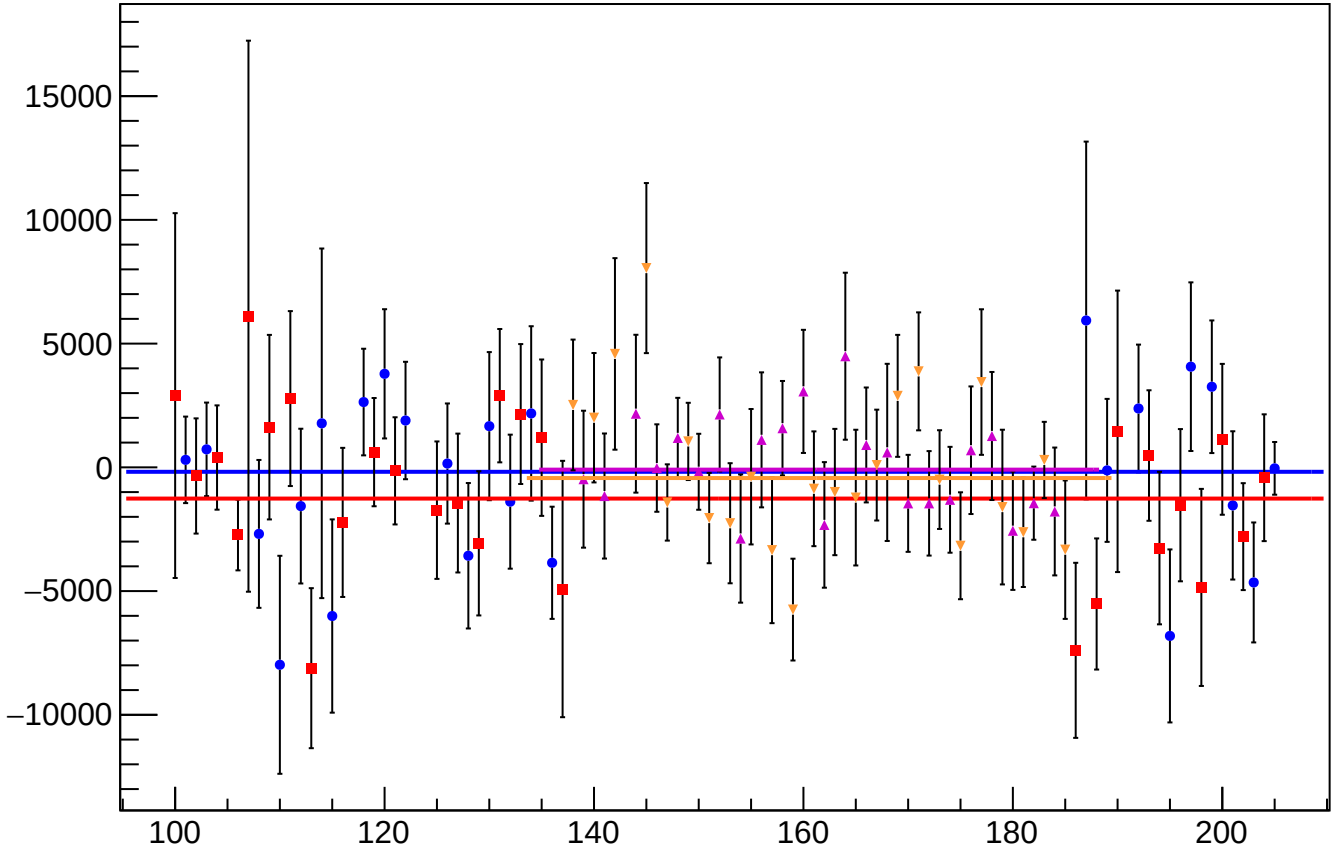
Right: 2262.545+/-0.299 χ^2/NDF: 711190.0/52

In: 2214.275+/-0.276 χ^2/NDF:547965.8/47

Out: 2221.904+/-0.272 χ^2/NDF:203849.6/51

All: 2218.147+/-0.194 χ^2/NDF: 752203.1/99

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -180.019+/-495.867 χ^2/NDF: 28.6/24

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

Right Out: -1261.721+/-525.124 χ^2/NDF: 24.2/27

Left In: -92.649+/-460.669 χ^2/NDF:12.8/22

Left: -261.837+/-326.347 χ^2/NDF: 44.3/46

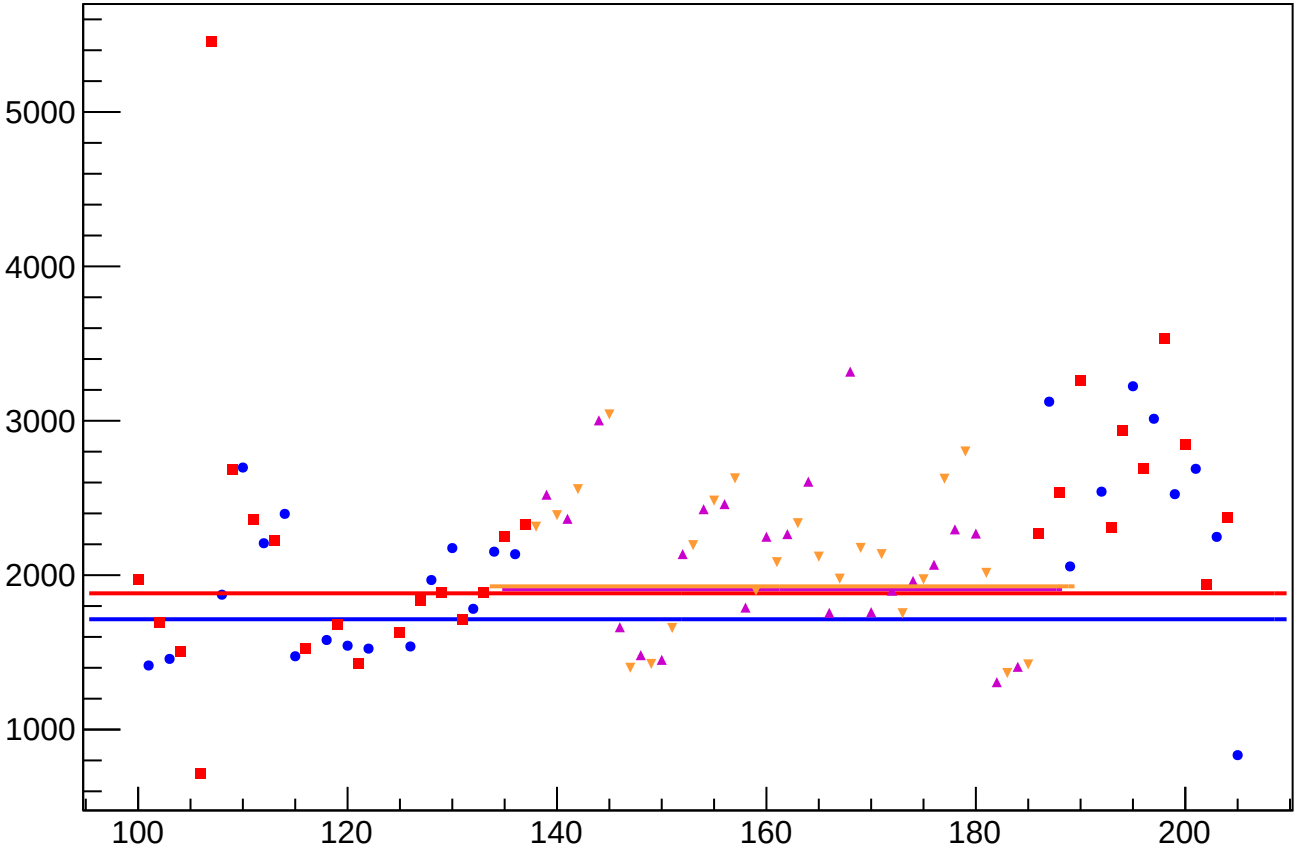
Right: -689.899+/-360.530 χ^2/NDF: 55.0/52

In: -133.123+/-337.500 χ^2/NDF:41.3/47

Out: -794.518+/-347.027 χ^2/NDF:56.9/51

All: -454.617+/-241.947 χ^2/NDF: 100.1/99

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1714.463+/-0.351 χ^2/NDF: 3310151.0/24

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1882.406+/-0.371 χ^2/NDF: 3276856.6/27

Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

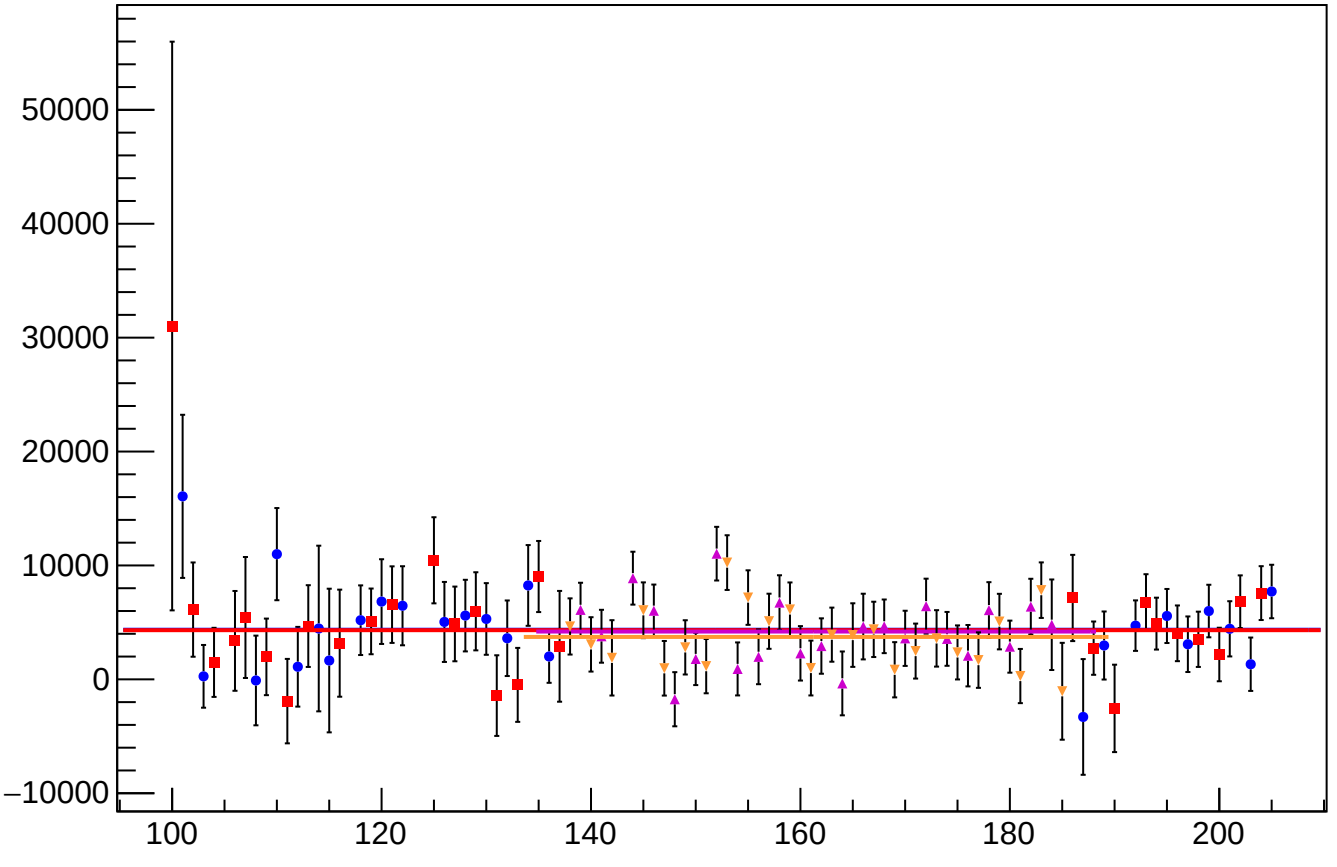
Left: 1918.603+/-0.231 χ^2/NDF: 3742177.0/46

Right: 1793.626+/-0.255 χ^2/NDF: 6695146.9/52

In: 1819.209+/-0.239 χ^2/NDF:5418682.8/47

Out: 1907.897+/-0.245 χ^2/NDF:5083606.5/51

All: 1862.319+/-0.171 χ^2/NDF: 10569420.0/9



Right In: 4355.178+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4316.981+/-589.619 χ^2/NDF: 25.5/27

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

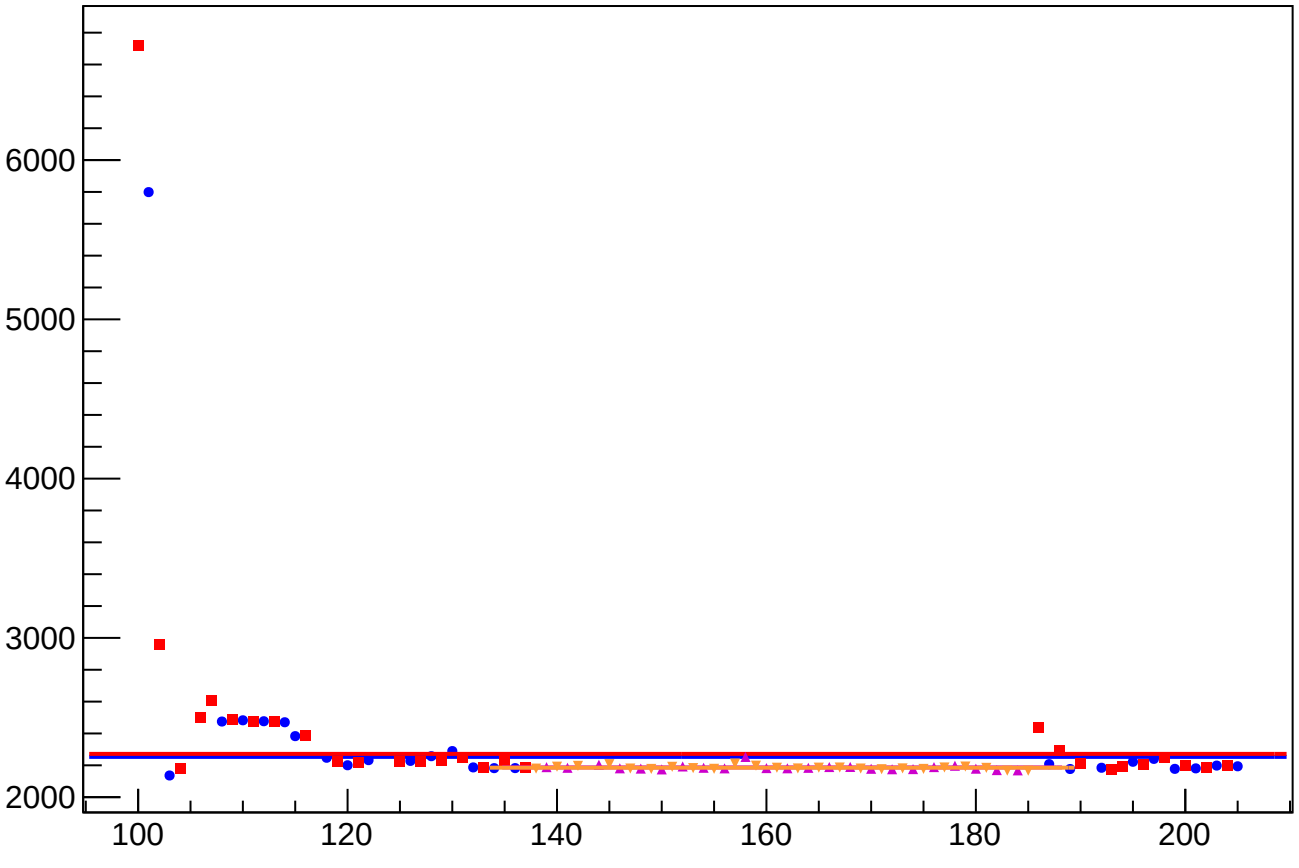
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4335.571+/-422.434 χ^2/NDF: 46.1/52

In: 4262.181+/-390.336 χ^2/NDF:52.8/47

Out: 3975.830+/-384.491 χ^2/NDF:51.5/51

All: 4116.845+/-273.919 χ^2/NDF: 104.6/99



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.8/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2271.758+/-0.417 χ^2/NDF: 178768.8/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

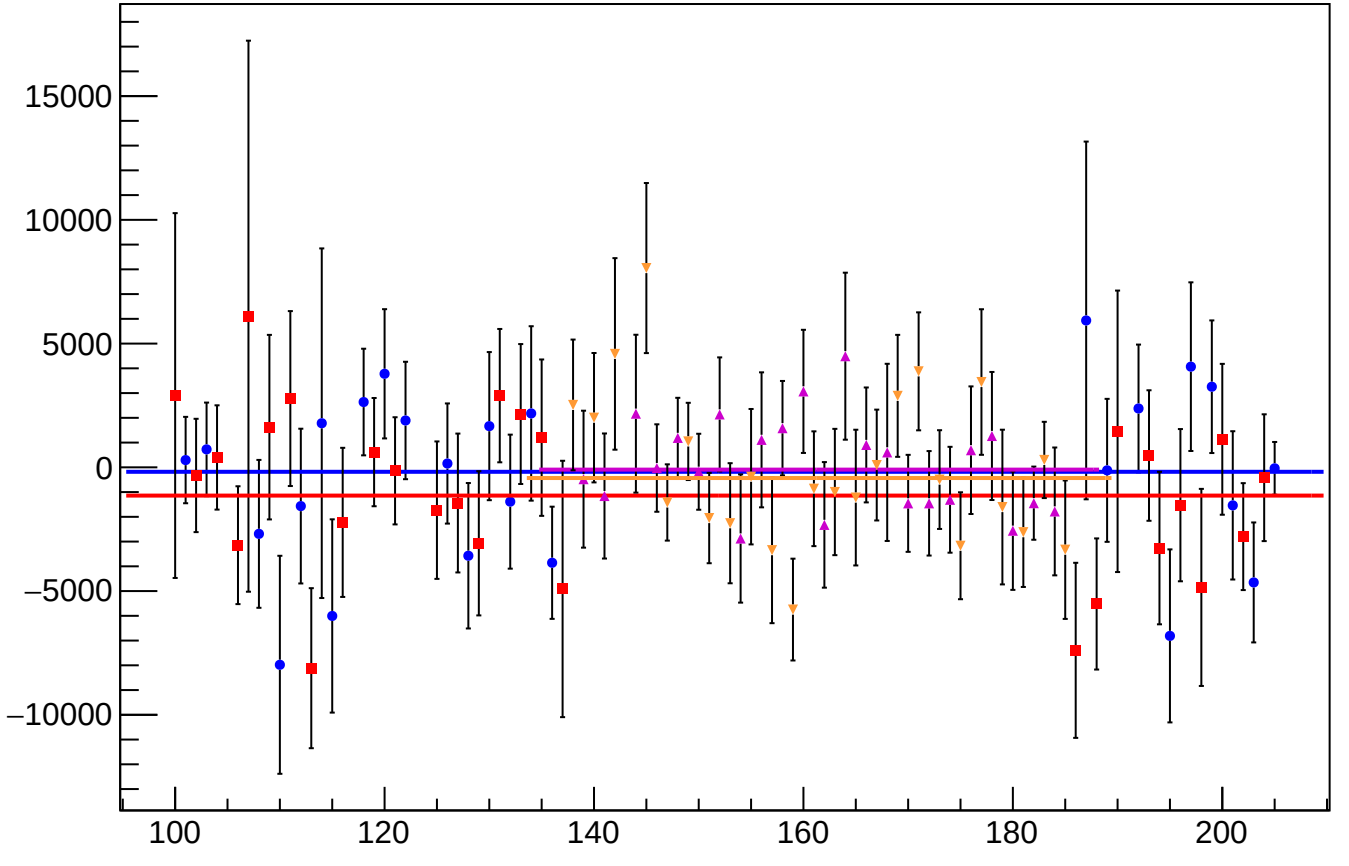
Right: 2262.626+/-0.299 χ^2/NDF: 711664.2/52

In: 2214.275+/-0.276 χ^2/NDF:547966.1/47

Out: 2221.969+/-0.272 χ^2/NDF:204396.0/51

All: 2218.180+/-0.194 χ^2/NDF: 752756.5/99

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -180.473+/-495.813 χ^2/NDF: 28.5/24

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1141.813+/-548.850 χ^2/NDF: 23.7/27

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

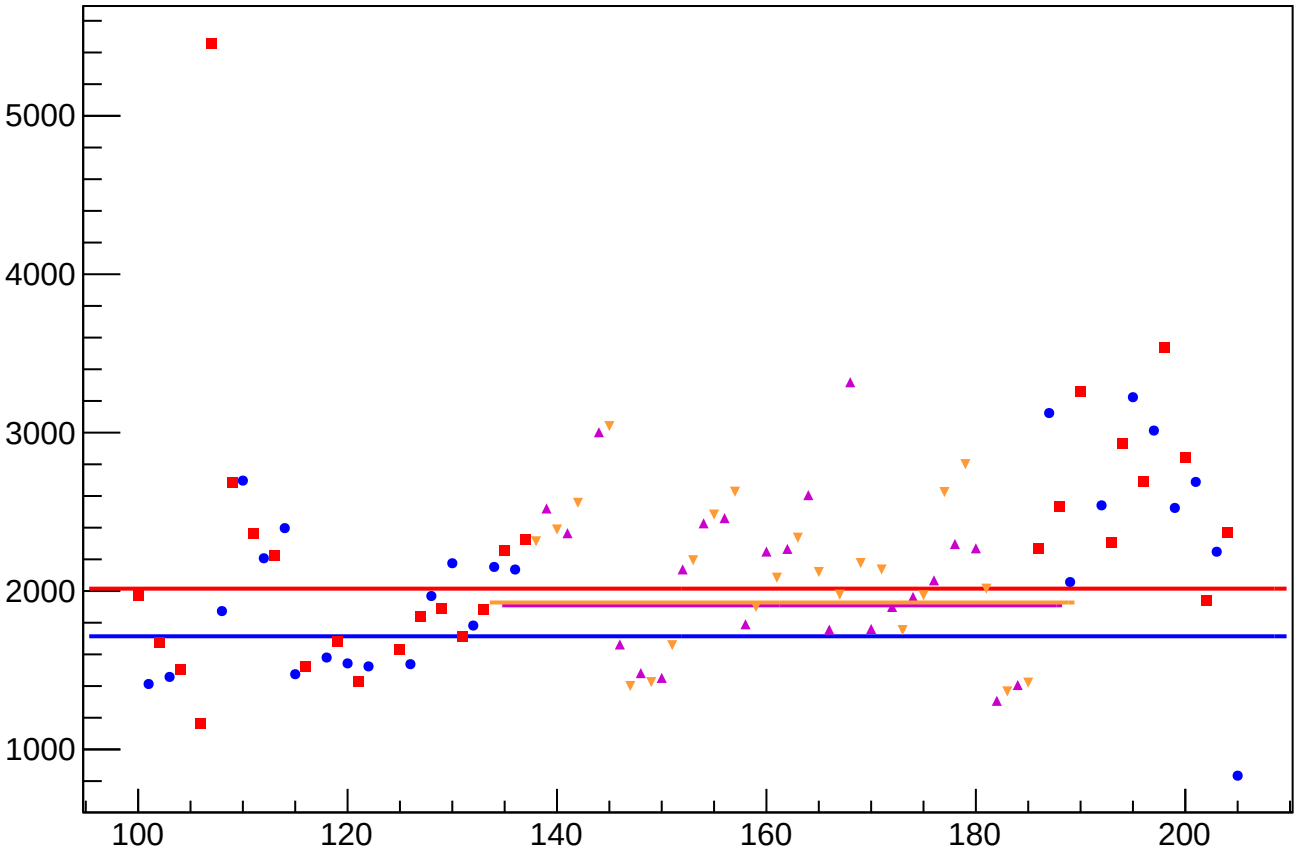
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -612.461+/-367.918 χ^2/NDF: 54.0/52

In: -133.314+/-337.484 χ^2/NDF:41.3/47

Out: -726.841+/-353.620 χ^2/NDF:56.0/51

All: -416.227+/-244.142 χ^2/NDF: 98.8/99



Right In: 1714.246+/-0.351 χ^2/NDF: 3311083.4/24

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 2015.063+/-0.388 χ^2/NDF: 2009889.2/27

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

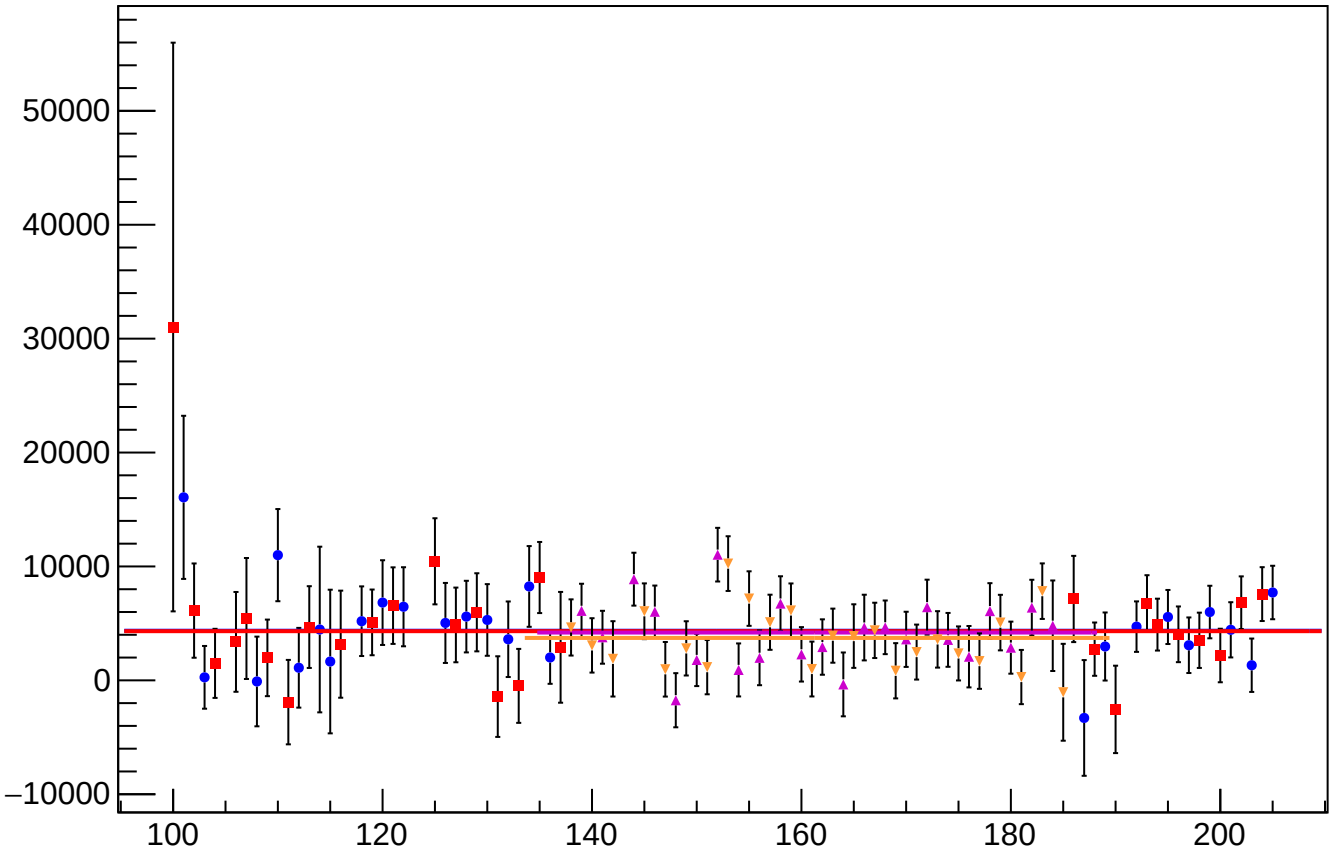
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1849.421+/-0.260 χ^2/NDF: 5651794.6/52

In: 1819.100+/-0.239 χ^2/NDF:5420035.0/47

Out: 1963.942+/-0.250 χ^2/NDF:3837962.1/51

All: 1888.141+/-0.173 χ^2/NDF: 9433595.3/99



Right In: 4355.178+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: 4316.981+/-589.619 χ^2/NDF: 25.5/27

Left In: 4196.060+/-510.578 χ^2/NDF:32.1/22

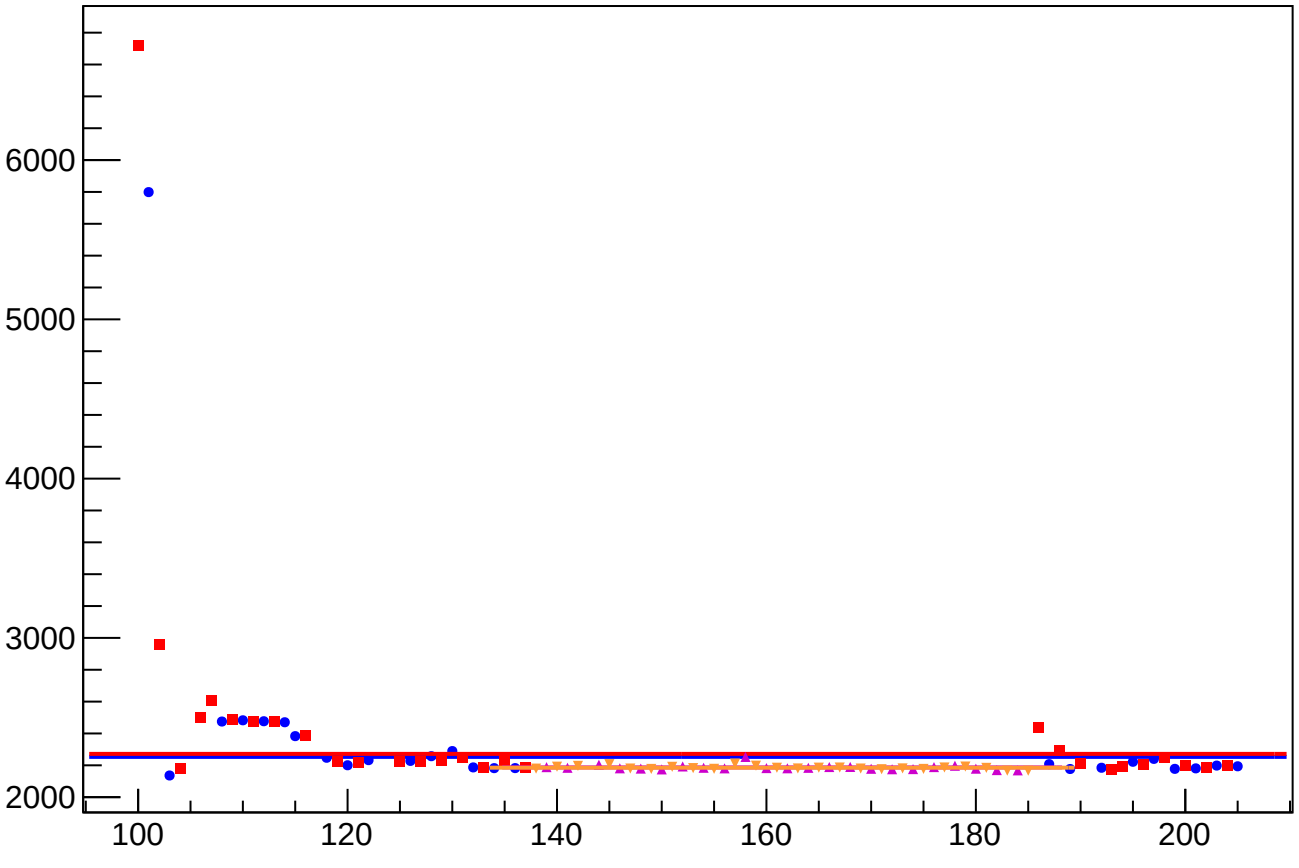
Left: 3958.157+/-359.817 χ^2/NDF: 58.0/46

Right: 4335.571+/-422.434 χ^2/NDF: 46.1/52

In: 4262.181+/-390.336 χ^2/NDF:52.8/47

Out: 3975.830+/-384.491 χ^2/NDF:51.5/51

All: 4116.845+/-273.919 χ^2/NDF: 104.6/99



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.8/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

Right Out: 2271.758+/-0.417 χ^2/NDF: 178768.8/27

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

Left: 2185.934+/-0.254 χ^2/NDF: 2889.0/46

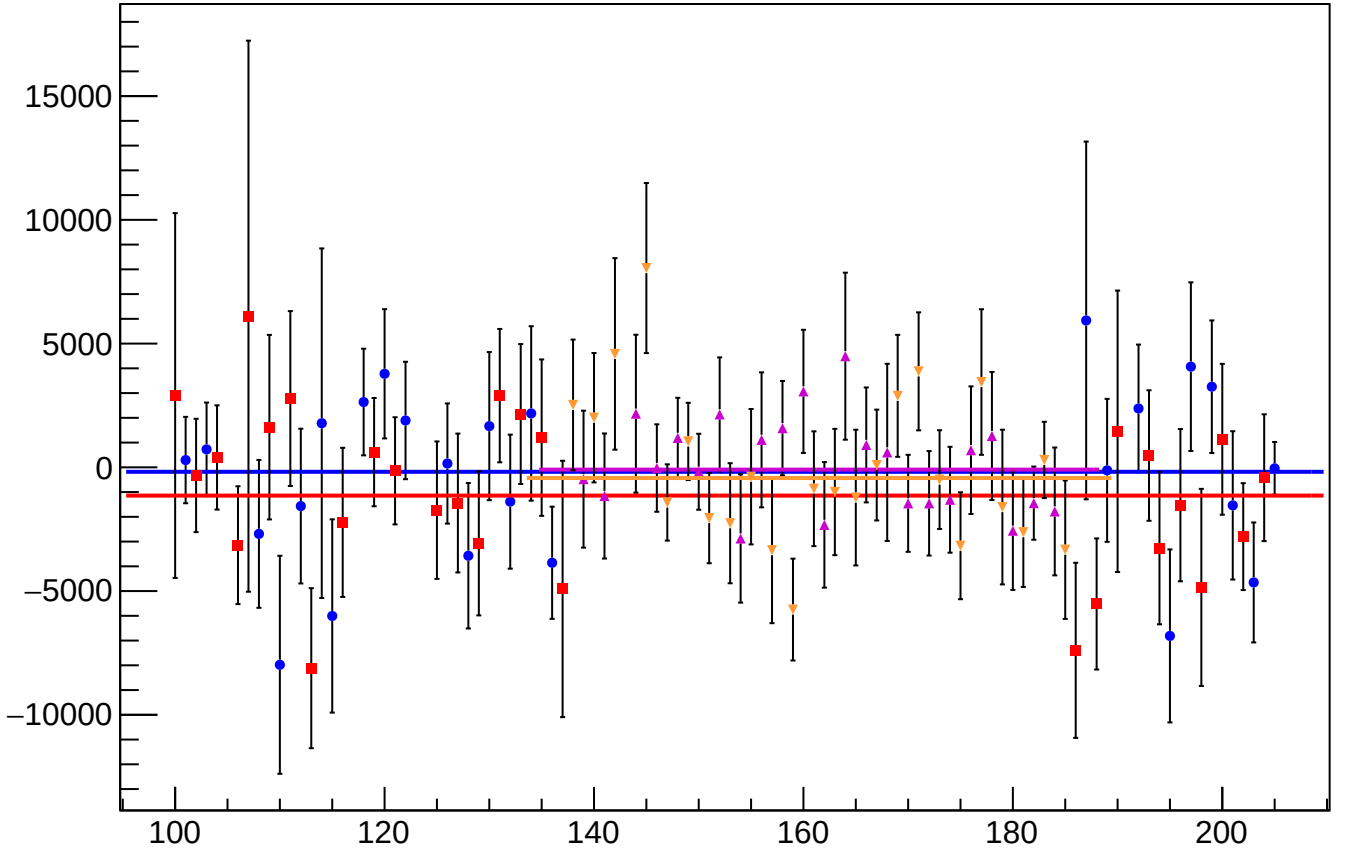
Right: 2262.626+/-0.299 χ^2/NDF: 711664.2/52

In: 2214.275+/-0.276 χ^2/NDF:547966.1/47

Out: 2221.969+/-0.272 χ^2/NDF:204396.0/51

All: 2218.180+/-0.194 χ^2/NDF: 752756.5/99

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -180.473+/-495.813 χ^2/NDF: 28.5/24

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

Right Out: -1141.813+/-548.850 χ^2/NDF: 23.7/27

Left In: -92.604+/-460.670 χ^2/NDF:12.8/22

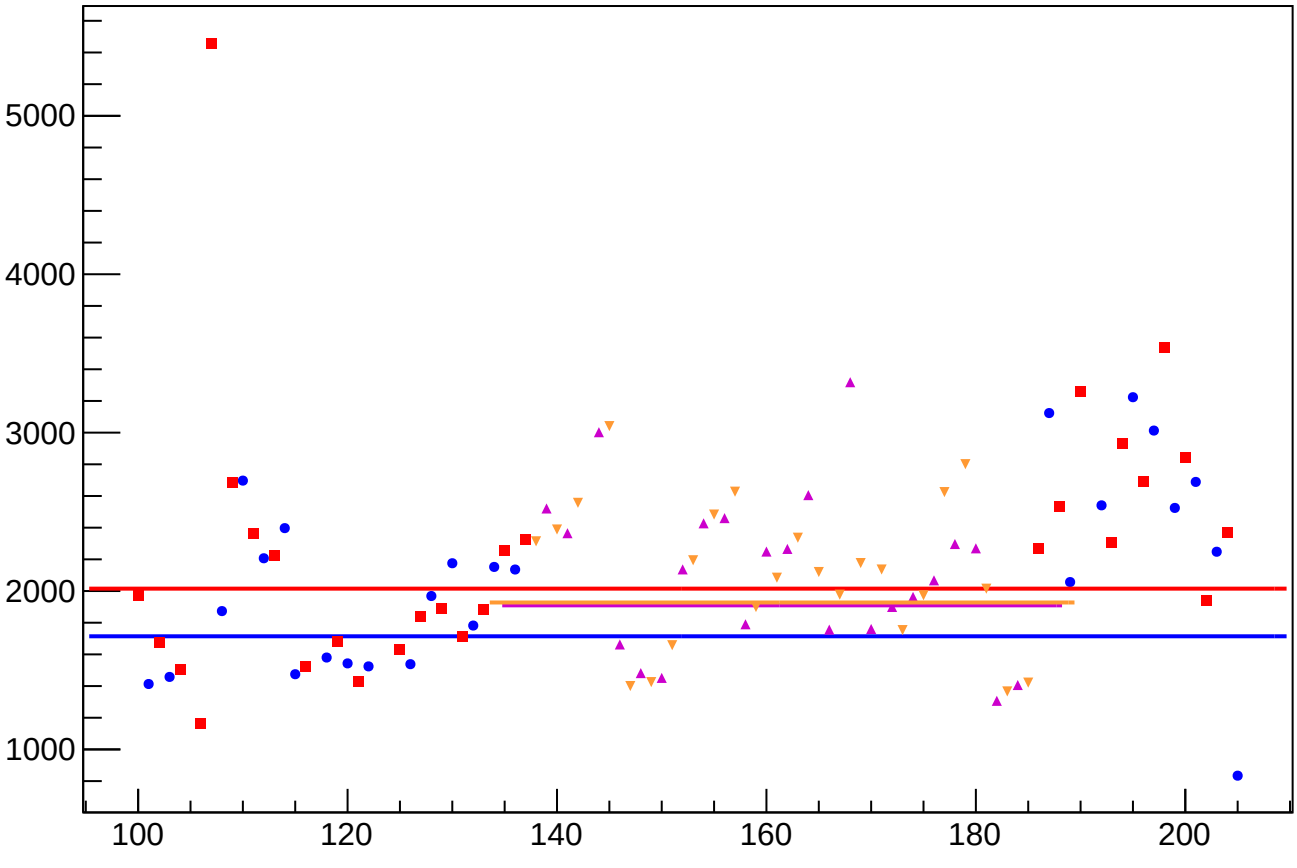
Left: -261.832+/-326.347 χ^2/NDF: 44.3/46

Right: -612.461+/-367.918 χ^2/NDF: 54.0/52

In: -133.314+/-337.484 χ^2/NDF:41.3/47

Out: -726.841+/-353.620 χ^2/NDF:56.0/51

All: -416.227+/-244.142 χ^2/NDF: 98.8/99



Right In: 1714.246+/-0.351 χ^2/NDF: 3311083.4/24

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 2015.063+/-0.388 χ^2/NDF: 2009889.2/27

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

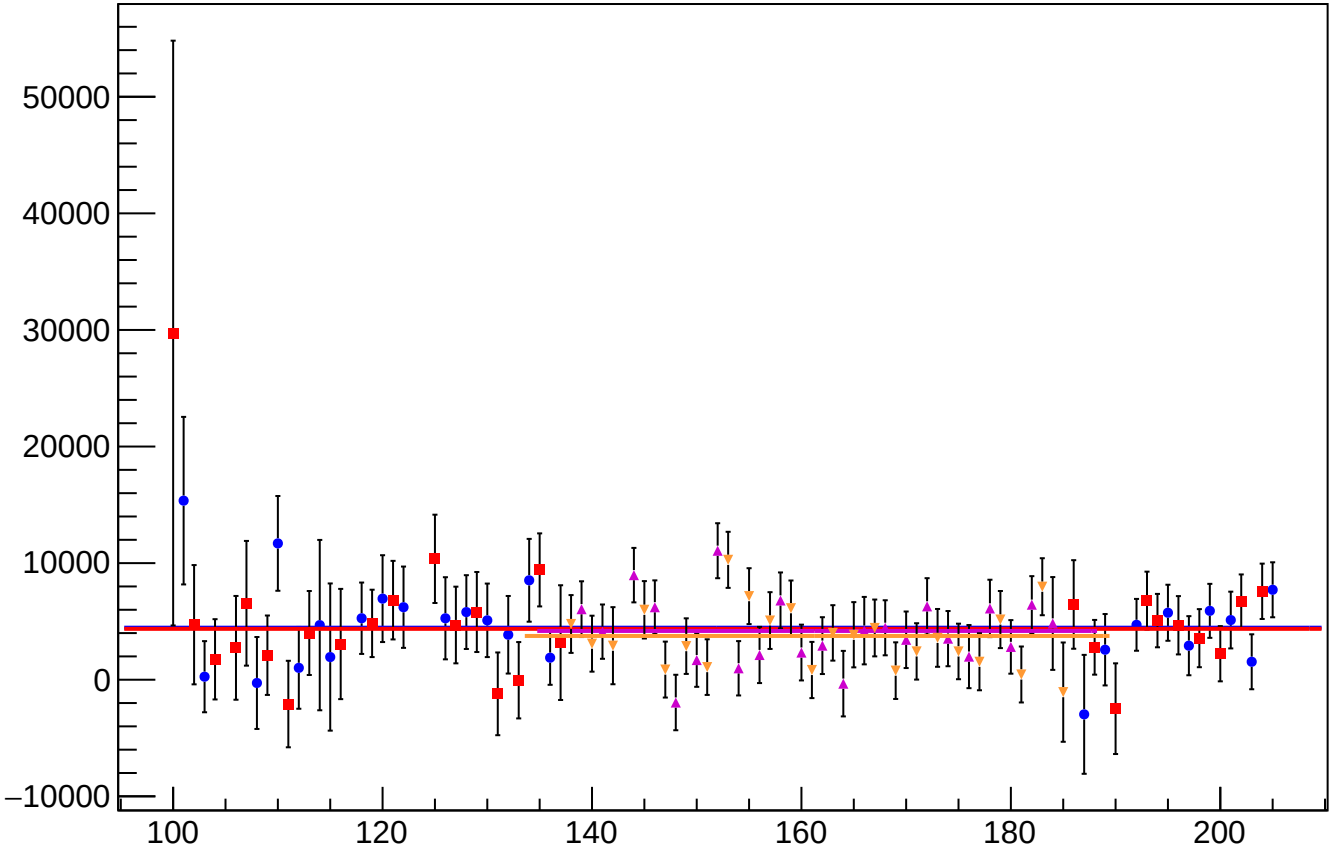
Left: 1918.605+/-0.231 χ^2/NDF: 3742222.0/46

Right: 1849.421+/-0.260 χ^2/NDF: 5651794.6/52

In: 1819.100+/-0.239 χ^2/NDF:5420035.0/47

Out: 1963.942+/-0.250 χ^2/NDF:3837962.1/51

All: 1888.141+/-0.173 χ^2/NDF: 9433595.3/99



Right In: 4462.653+/-612.539 χ^2/NDF: 20.6/24

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: 4365.116+/-598.634 χ^2/NDF: 24.3/27

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

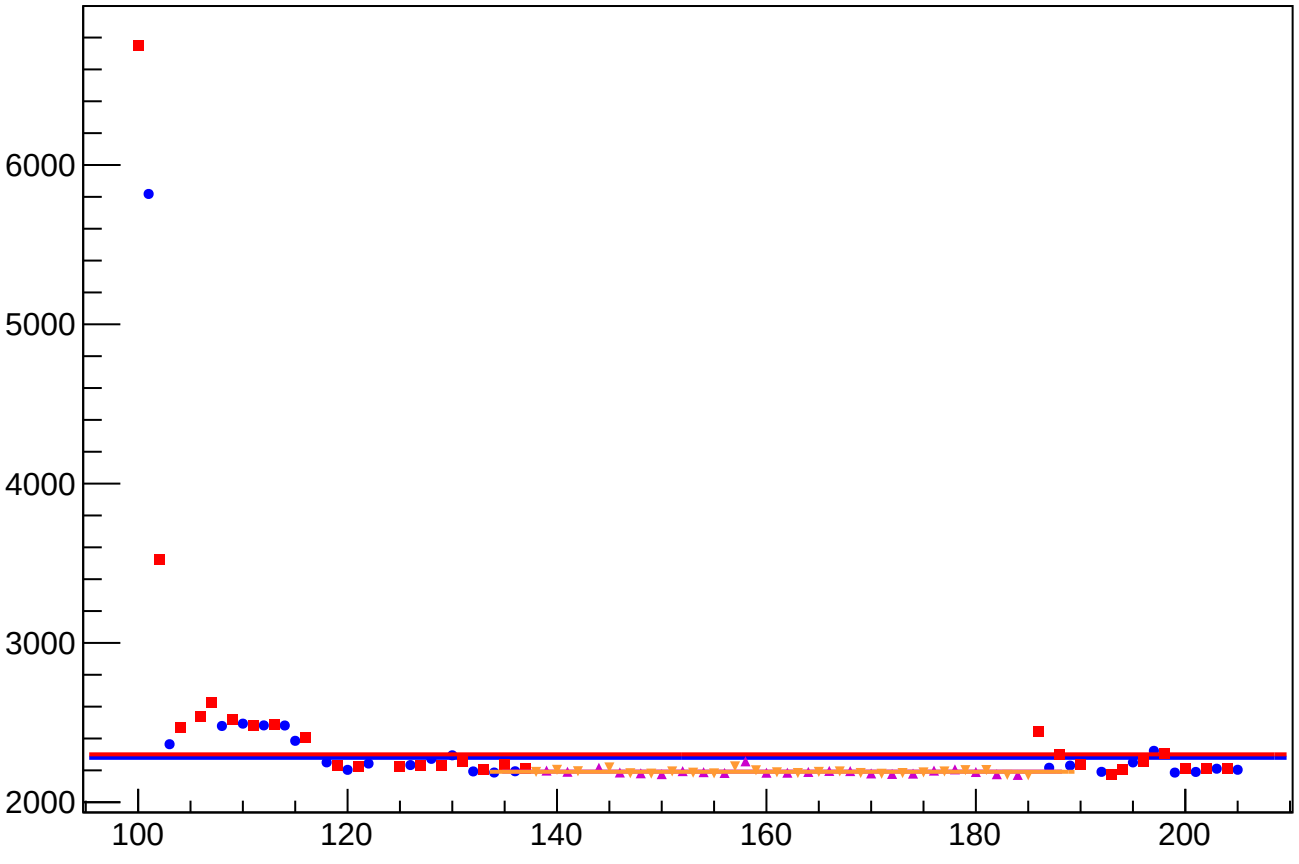
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4412.765+/-428.130 χ^2/NDF: 45.0/52

In: 4298.701+/-392.778 χ^2/NDF:53.4/47

Out: 4010.211+/-387.585 χ^2/NDF:50.6/51

All: 4152.536+/-275.882 χ^2/NDF: 104.3/99



Right In: 2278.748+/-0.433 χ^2/NDF: 527765.8/24

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2300.546+/-0.423 χ^2/NDF: 243113.6/27

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

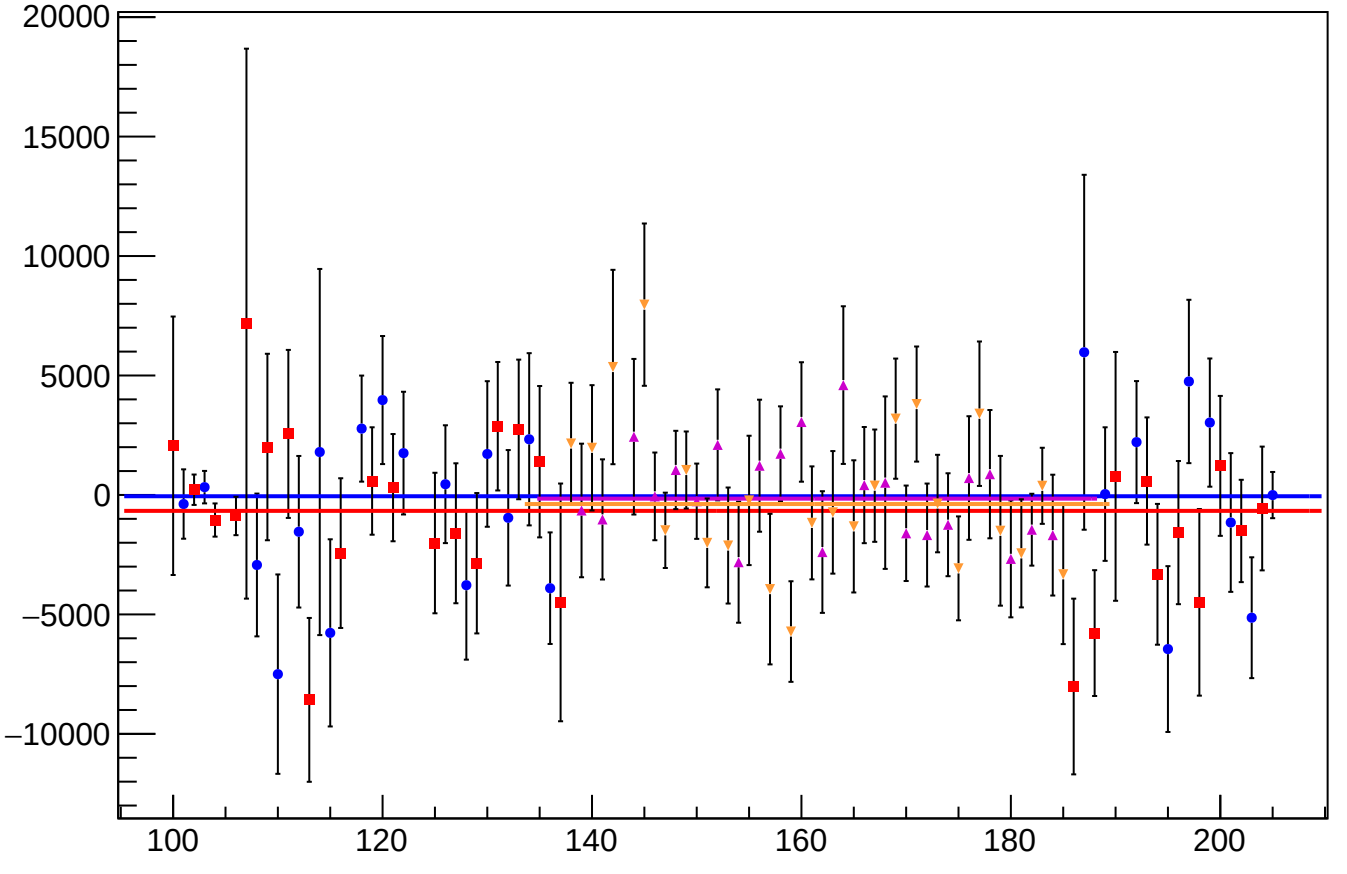
Right: 2289.897+/-0.303 χ^2/NDF: 772174.9/52

In: 2227.787+/-0.278 χ^2/NDF:553557.5/47

Out: 2237.006+/-0.274 χ^2/NDF:283137.5/51

All: 2232.458+/-0.195 χ^2/NDF: 837253.2/99

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -54.063+/-401.739 χ^2/NDF: 28.6/24

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

Right Out: -666.316+/-337.503 χ^2/NDF: 26.0/27

Left In: -154.512+/-467.999 χ^2/NDF:12.8/22

Left: -266.662+/-332.150 χ^2/NDF: 43.7/46

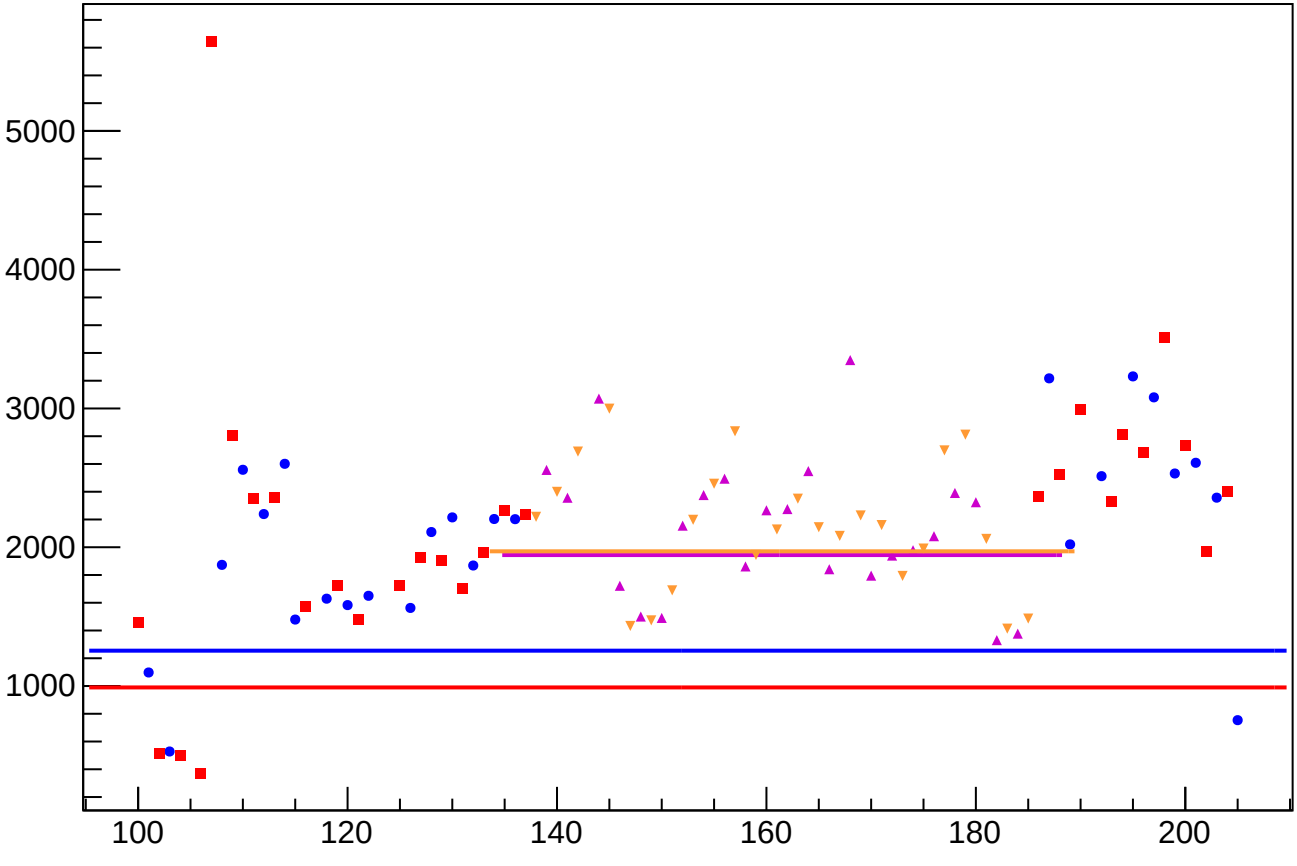
Right: -412.992+/-258.414 χ^2/NDF: 56.0/52

In: -96.679+/-304.831 χ^2/NDF:41.5/47

Out: -569.475+/-274.436 χ^2/NDF:57.0/51

All: -357.817+/-203.957 χ^2/NDF: 99.8/99

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1254.656+/-0.284 χ^2/NDF: 7726290.8/24

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

Right Out: 989.762+/-0.239 χ^2/NDF: 12139870.2/27

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

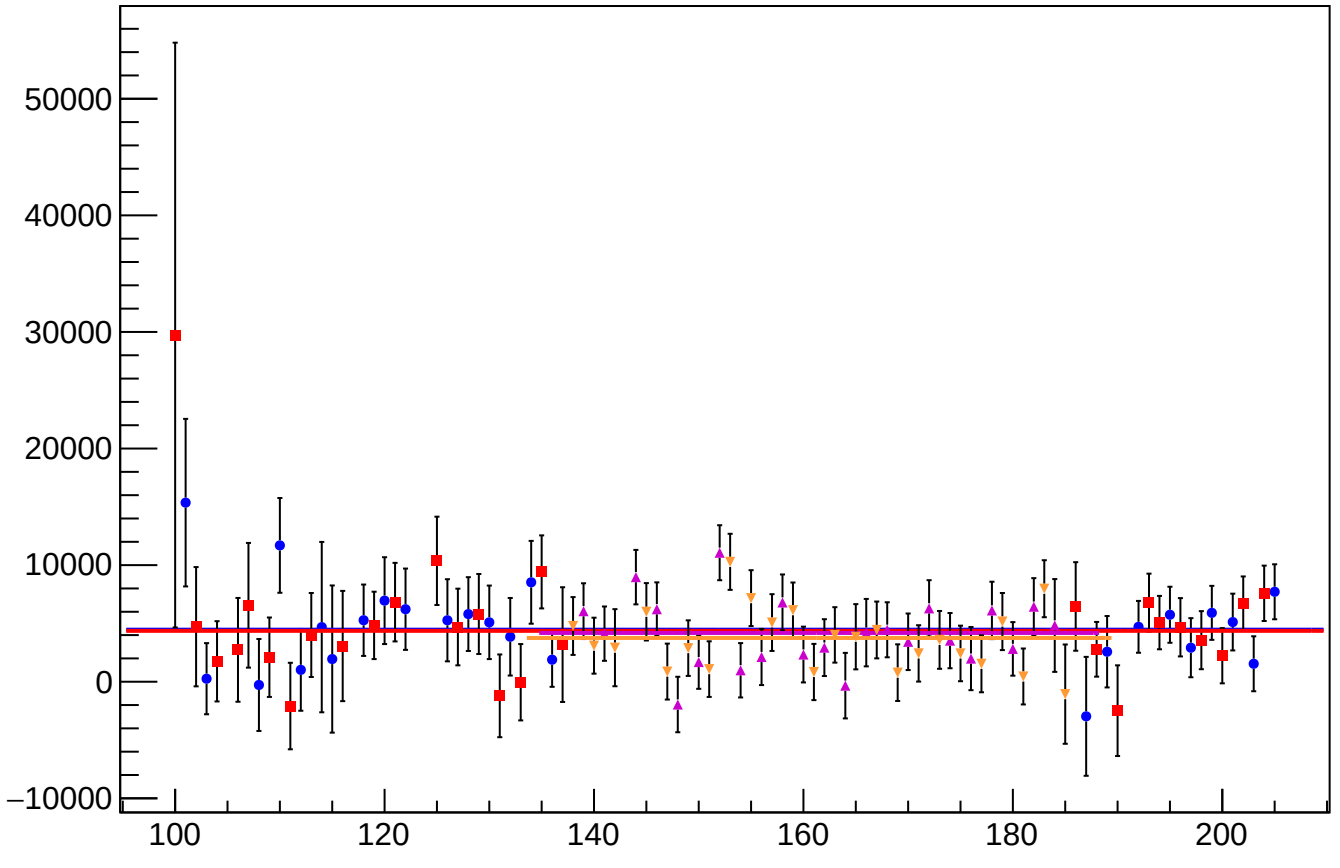
Left: 1957.041+/-0.235 χ^2/NDF: 3582903.8/46

Right: 1099.364+/-0.183 χ^2/NDF: 20375920.0/52

In: 1546.956+/-0.216 χ^2/NDF:12104809.2/47

Out: 1322.098+/-0.194 χ^2/NDF:19560171.0/51

All: 1422.761+/-0.144 χ^2/NDF: 32266052.0/9



Right In: 4462.651+/-612.539 χ^2/NDF: 20.6/24

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: 4365.111+/-598.634 χ^2/NDF: 24.3/27

Left In: 4184.214+/-511.864 χ^2/NDF:32.7/22

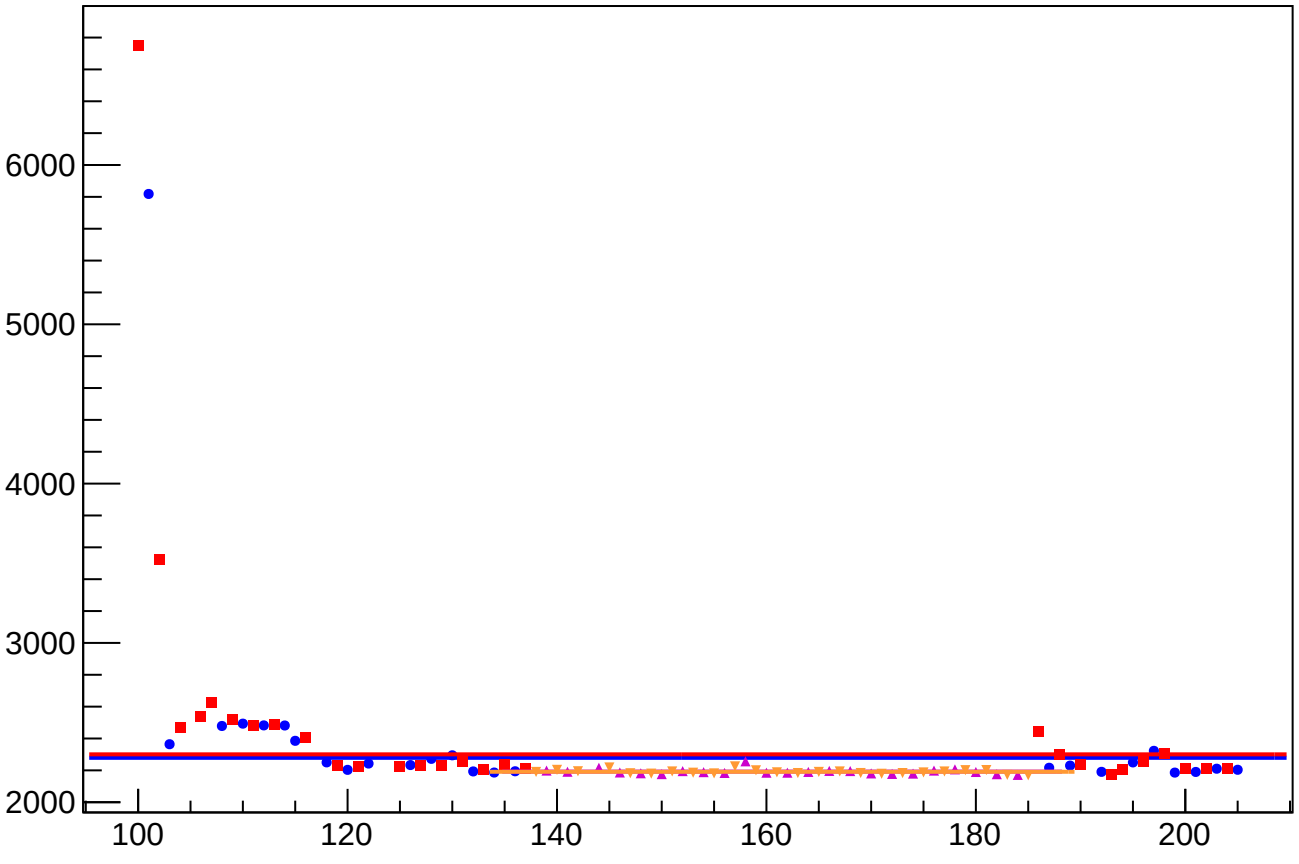
Left: 3967.750+/-360.772 χ^2/NDF: 58.7/46

Right: 4412.761+/-428.130 χ^2/NDF: 45.0/52

In: 4298.700+/-392.778 χ^2/NDF:53.4/47

Out: 4010.209+/-387.585 χ^2/NDF:50.6/51

All: 4152.535+/-275.882 χ^2/NDF: 104.3/99



Right In: 2278.748+/-0.433 χ^2/NDF: 527765.7/24

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

Right Out: 2300.546+/-0.423 χ^2/NDF: 243112.4/27

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

Left: 2191.670+/-0.255 χ^2/NDF: 3515.0/46

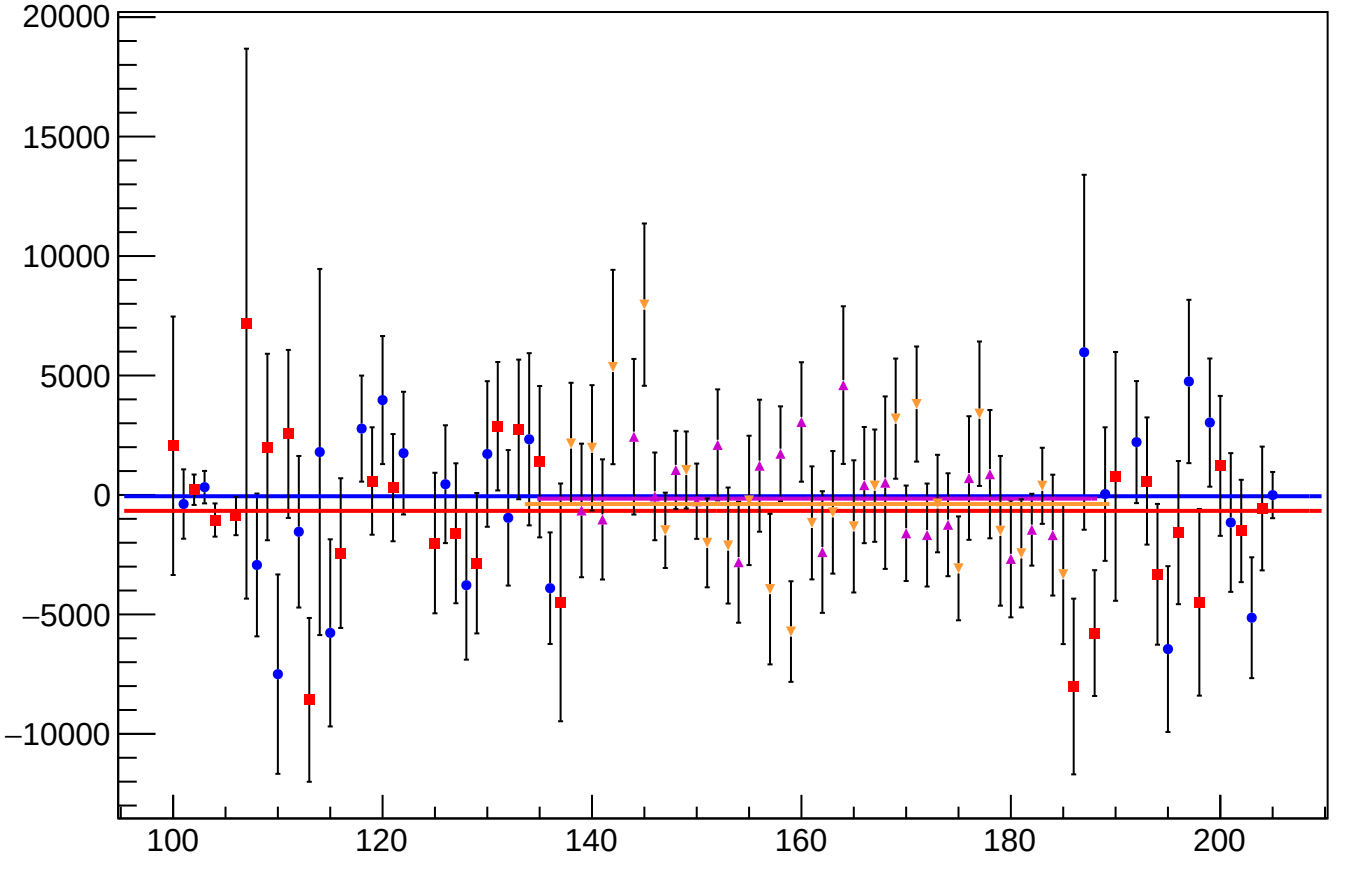
Right: 2289.897+/-0.303 χ^2/NDF: 772173.6/52

In: 2227.787+/-0.278 χ^2/NDF:553557.3/47

Out: 2237.006+/-0.274 χ^2/NDF:283136.0/51

All: 2232.458+/-0.195 χ^2/NDF: 837251.5/99

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -54.068+/-401.741 χ^2/NDF: 28.6/24

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

Right Out: -666.324+/-337.507 χ^2/NDF: 26.0/27

Left In: -154.512+/-468.000 χ^2/NDF:12.8/22

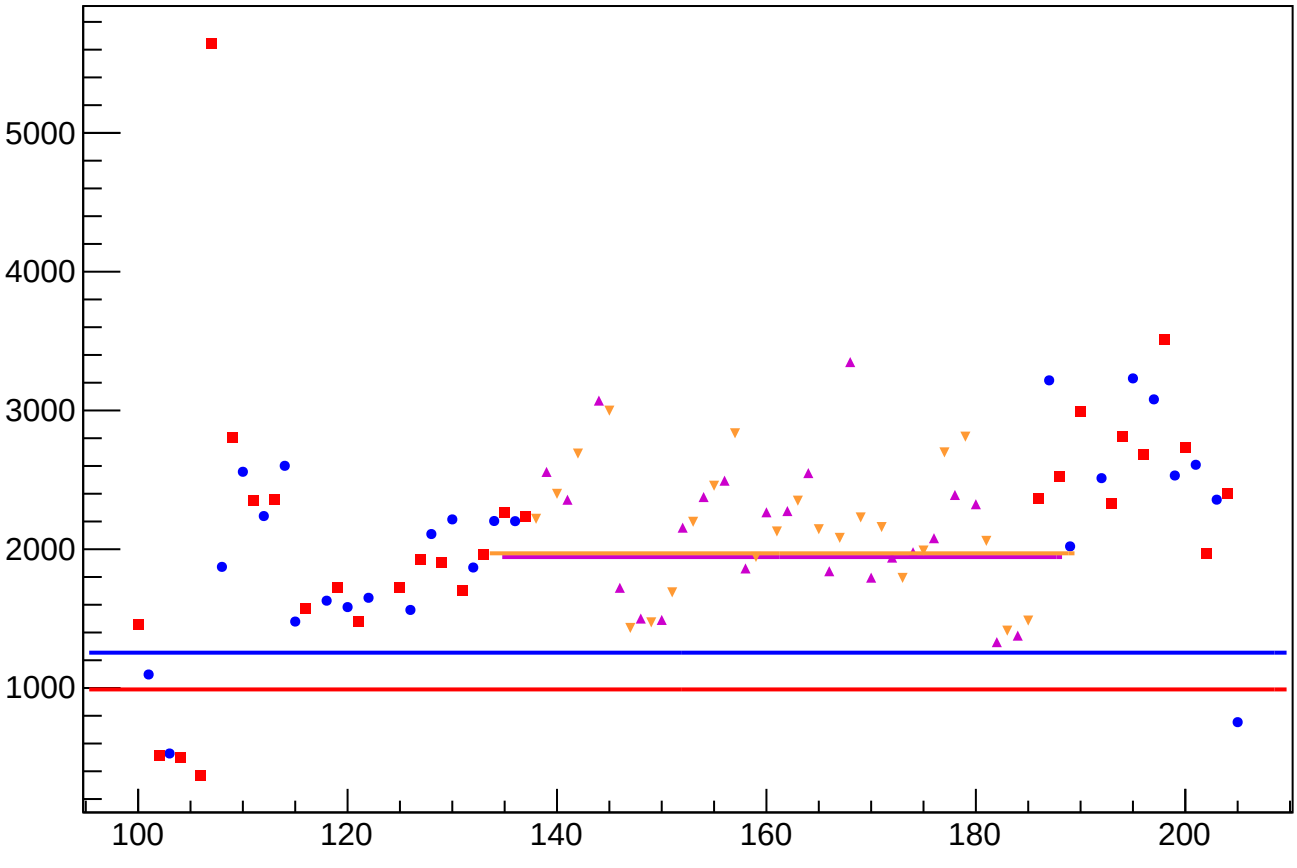
Left: -266.664+/-332.150 χ^2/NDF: 43.7/46

Right: -412.996+/-258.417 χ^2/NDF: 56.0/52

In: -96.682+/-304.832 χ^2/NDF:41.5/47

Out: -569.480+/-274.439 χ^2/NDF:57.0/51

All: -357.820+/-203.959 χ^2/NDF: 99.8/99



Right In: 1254.665+/-0.284 χ^2/NDF: 7726185.6/24

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 989.780+/-0.239 χ^2/NDF: 12139632.3/27

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

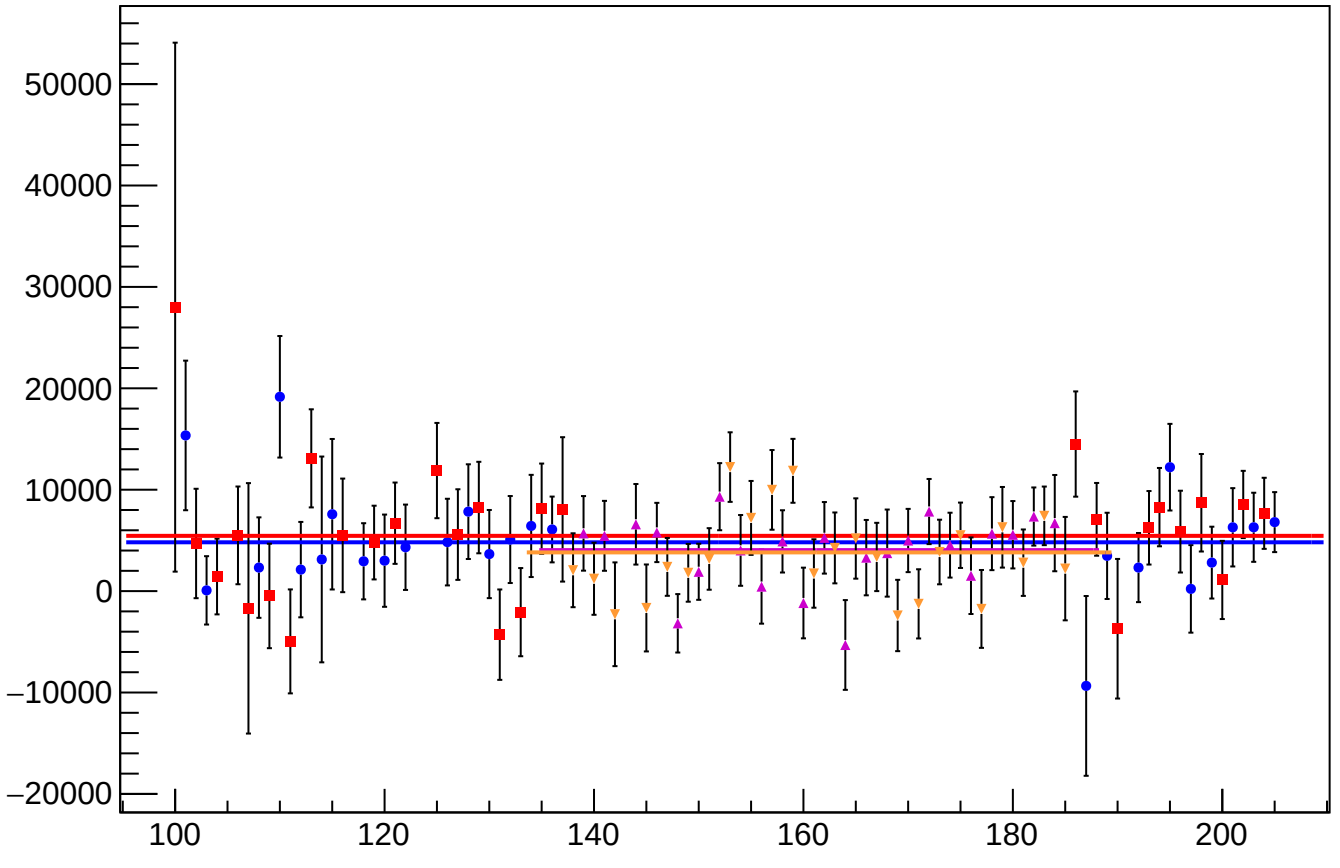
Left: 1957.045+/-0.235 χ^2/NDF: 3582901.0/46

Right: 1099.379+/-0.183 χ^2/NDF: 20375534.4/52

In: 1546.964+/-0.216 χ^2/NDF:12104647.3/47

Out: 1322.115+/-0.194 χ^2/NDF:19559703.4/51

All: 1422.774+/-0.144 χ^2/NDF: 32265363.3/9



Right In: 4813.953+/-852.533 χ^2/NDF: 20.1/24

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: 5450.264+/-849.132 χ^2/NDF: 29.5/27

Left In: 4042.422+/-709.573 χ^2/NDF:22.5/22

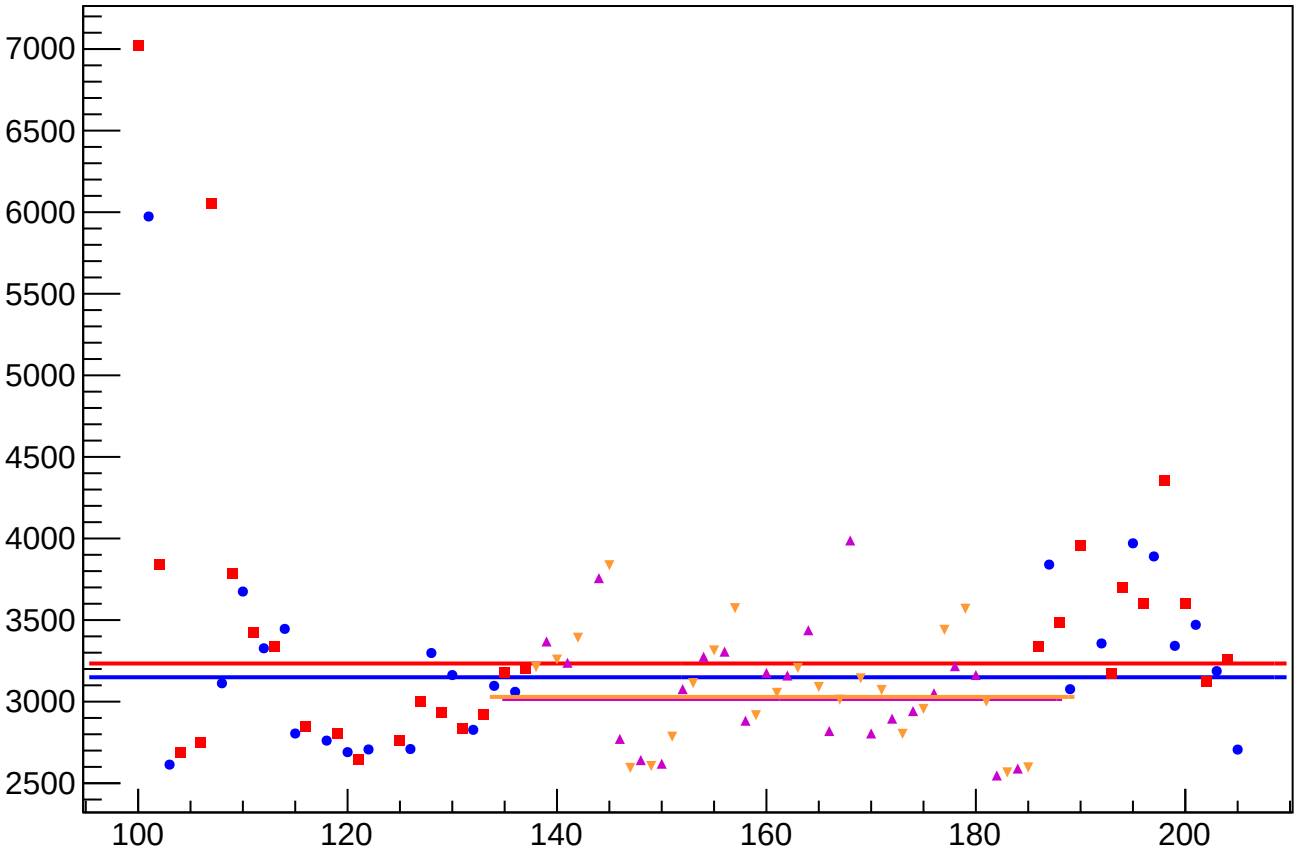
Left: 3929.930+/-501.297 χ^2/NDF: 53.4/46

Right: 5133.380+/-601.626 χ^2/NDF: 49.9/52

In: 4358.165+/-545.383 χ^2/NDF:43.1/47

Out: 4487.648+/-543.919 χ^2/NDF:62.5/51

All: 4423.081+/-385.125 χ^2/NDF: 105.7/99



Right In: 3149.443+/-0.603 χ^2/NDF: 685941.1/24

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

Right Out: 3233.868+/-0.600 χ^2/NDF: 611882.1/27

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

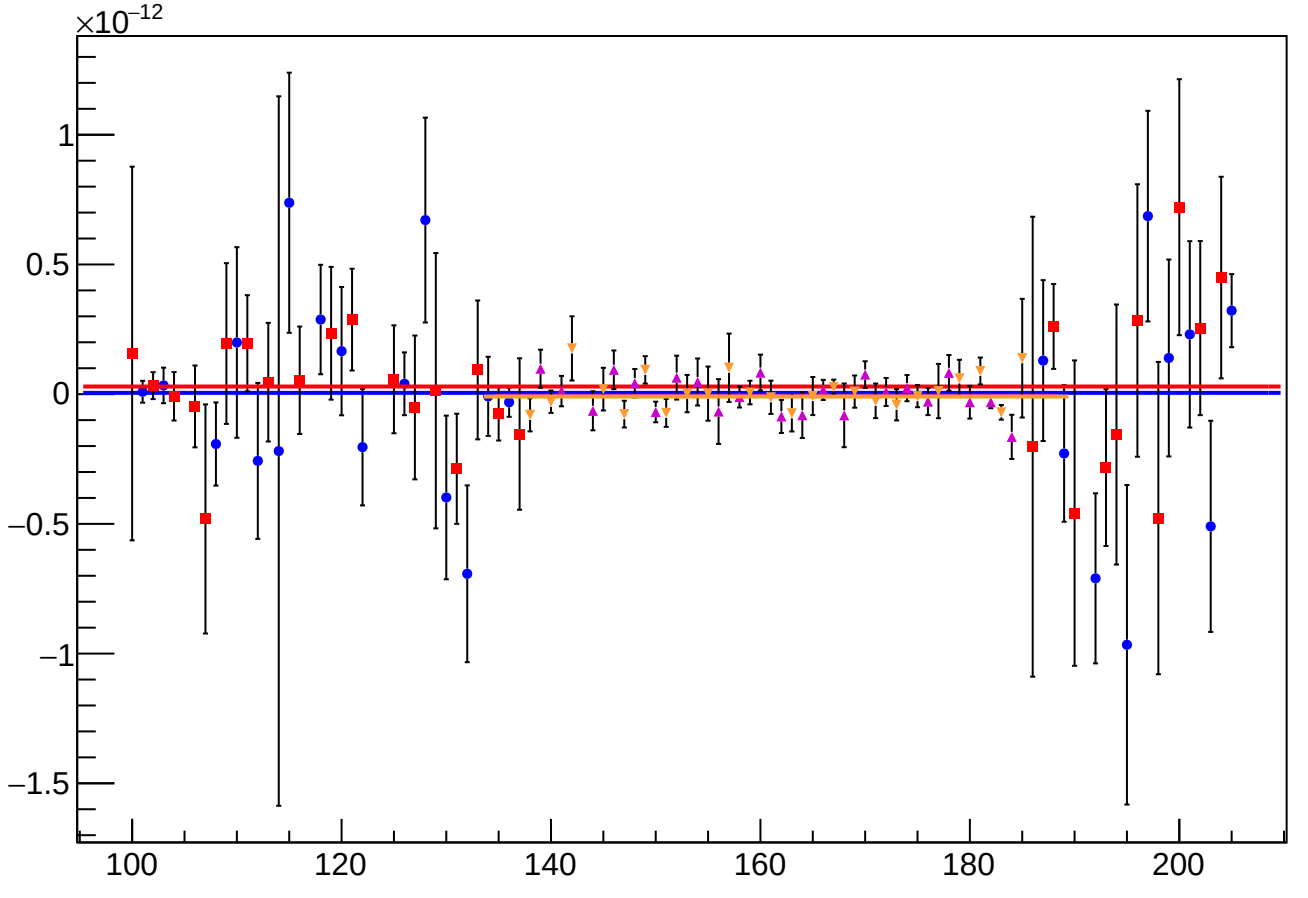
Left: 3022.629+/-0.354 χ^2/NDF: 837331.5/46

Right: 3191.824+/-0.425 χ^2/NDF: 1307669.2/52

In: 3070.759+/-0.386 χ^2/NDF:1154677.1/47

Out: 3113.051+/-0.385 χ^2/NDF:1077656.1/51

All: 3091.962+/-0.272 χ^2/NDF: 2238362.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 17.6/27

Left In: -0.000+/-0.000 χ^2/NDF:23.3/22

Left: -0.000+/-0.000 χ^2/NDF: 47.5/46

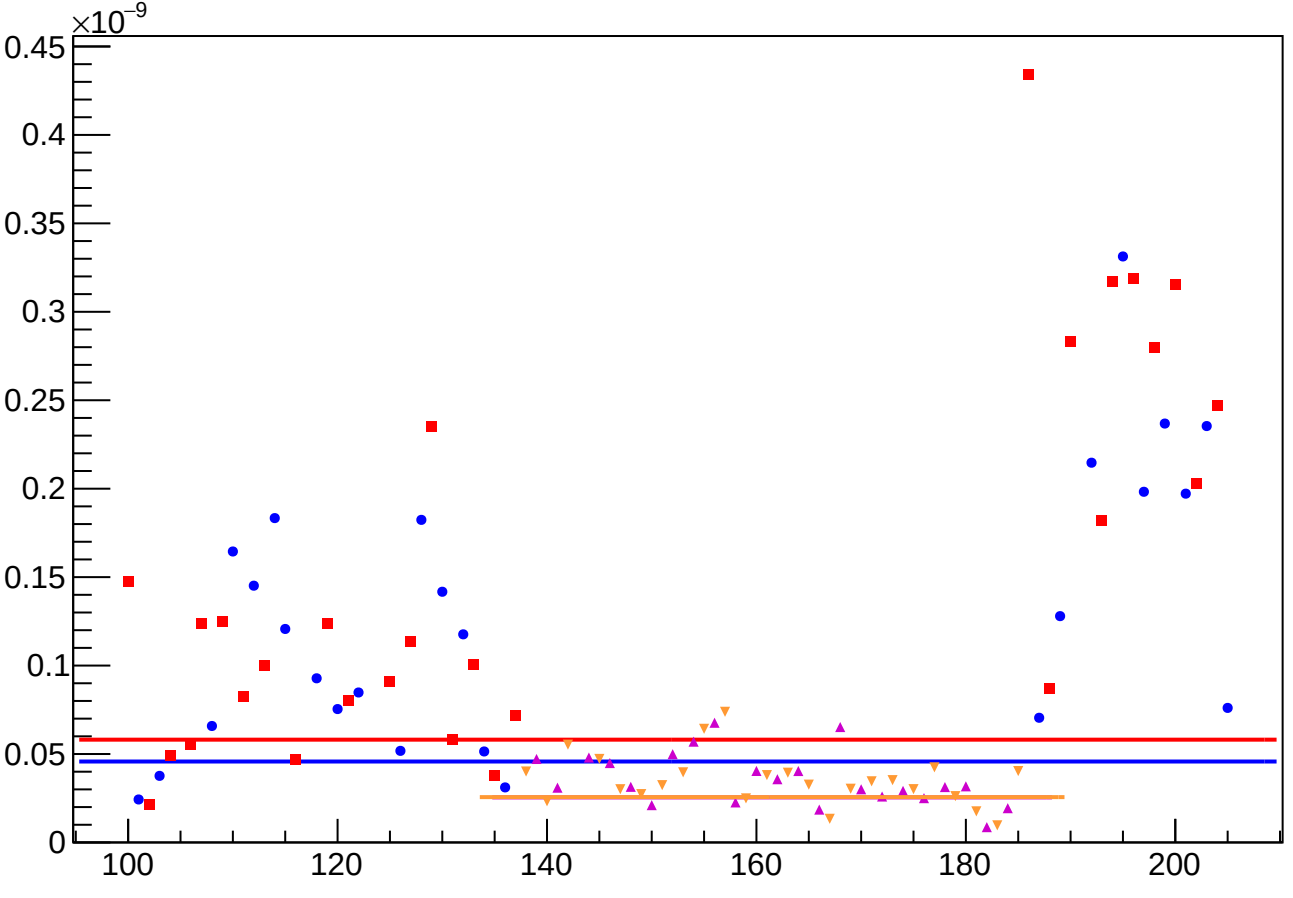
Right: 0.000+/-0.000 χ^2/NDF: 53.3/52

In: -0.000+/-0.000 χ^2/NDF:58.8/47

Out: -0.000+/-0.000 χ^2/NDF:43.0/51

All: -0.000+/-0.000 χ^2/NDF: 101.8/99

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4756024.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5663338.3/27

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5248211.8/46

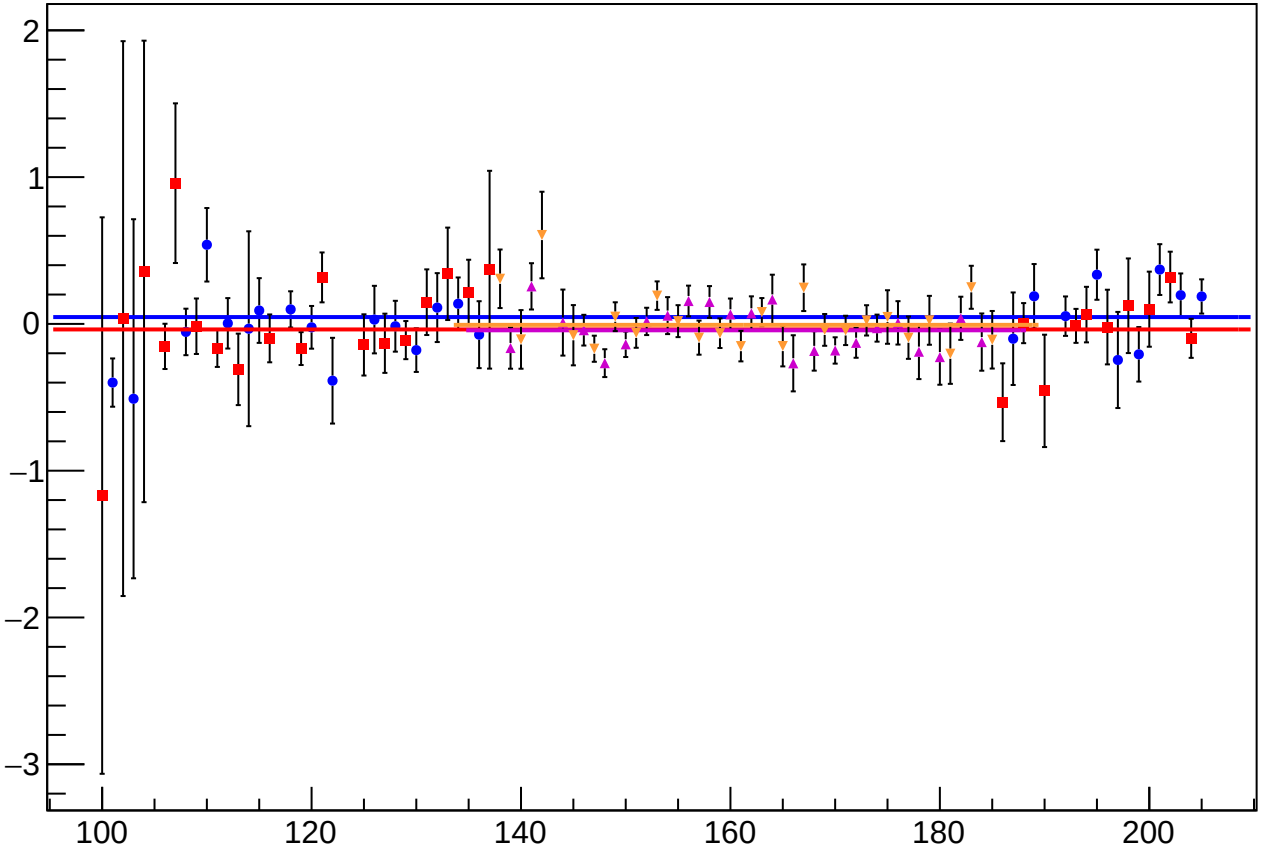
Right: 0.000+/-0.000 χ^2/NDF: 10591828.9/52

In: 0.000+/-0.000 χ^2/NDF:8582264.5/47

Out: 0.000+/-0.000 χ^2/NDF:9848564.1/51

All: 0.000+/-0.000 χ^2/NDF: 18432133.4/99

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

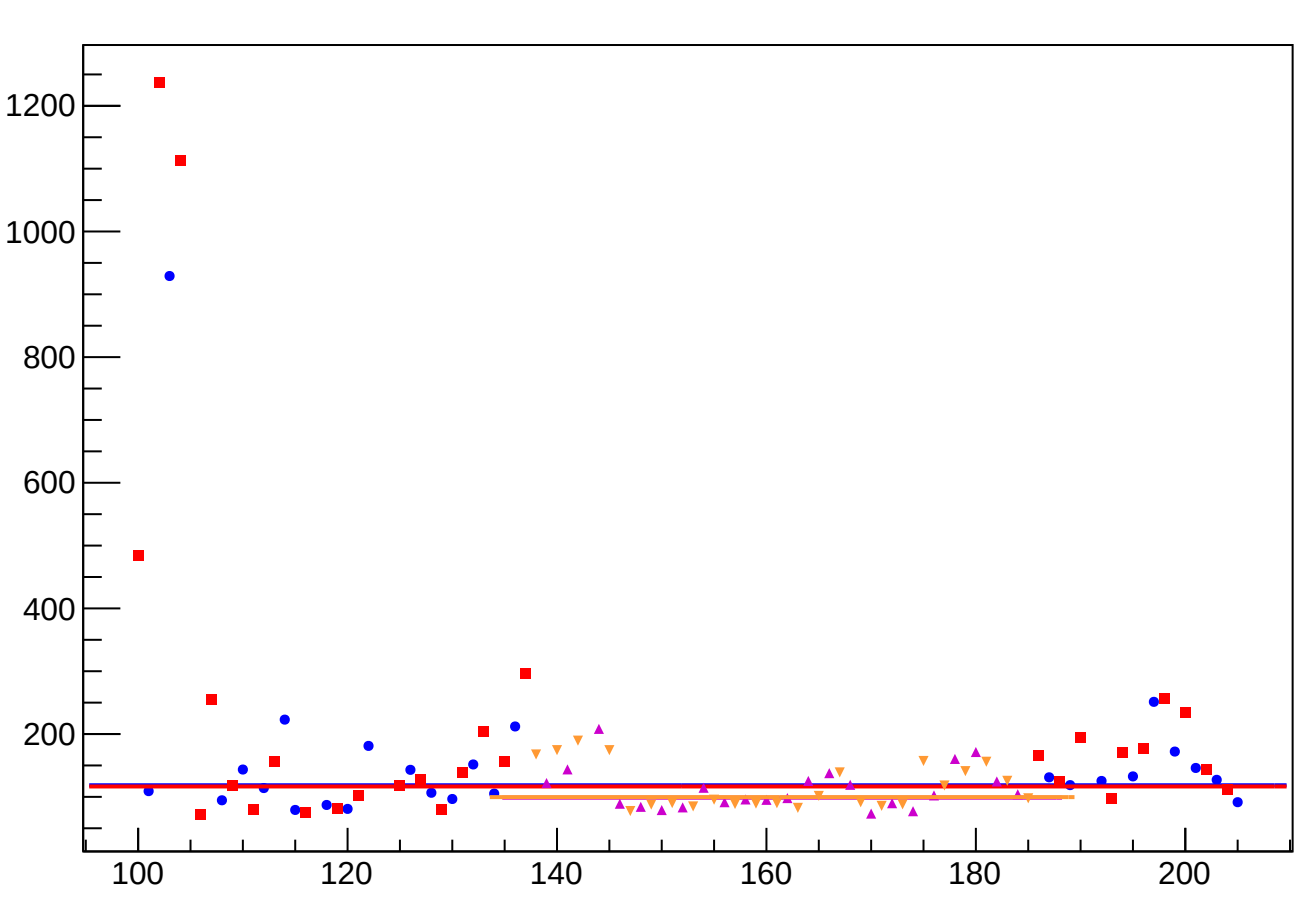
Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

Right: 0.004+/-0.026 χ^2/NDF: 59.6/52

In: -0.015+/-0.021 χ^2/NDF:64.1/47

Out: -0.017+/-0.021 χ^2/NDF:55.4/51

All: -0.016+/-0.015 χ^2/NDF: 119.5/99



Right In: 118.488+/-0.026 χ^2/NDF: 2565662.1/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 116.541+/-0.025 χ^2/NDF: 4344553.7/27

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

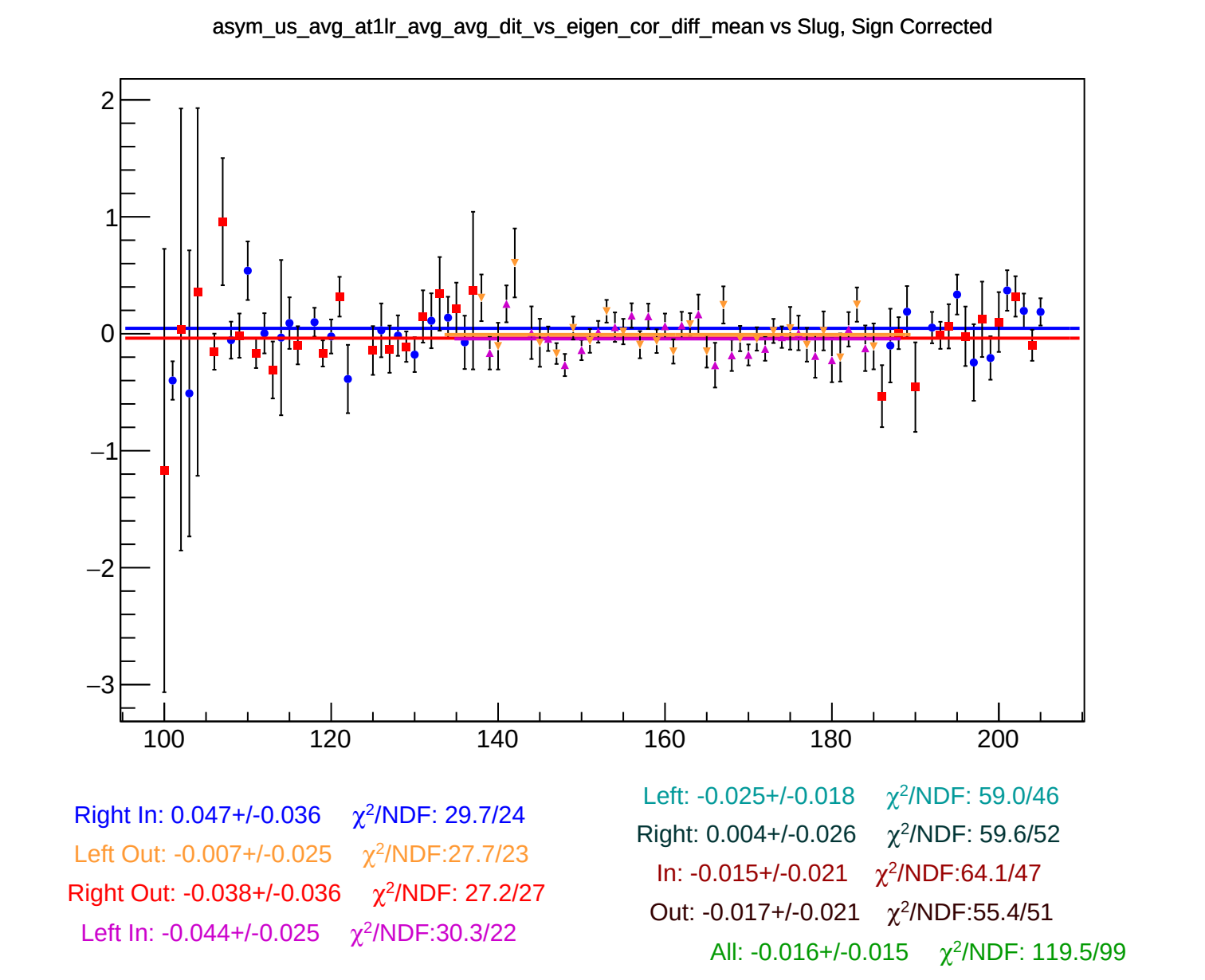
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

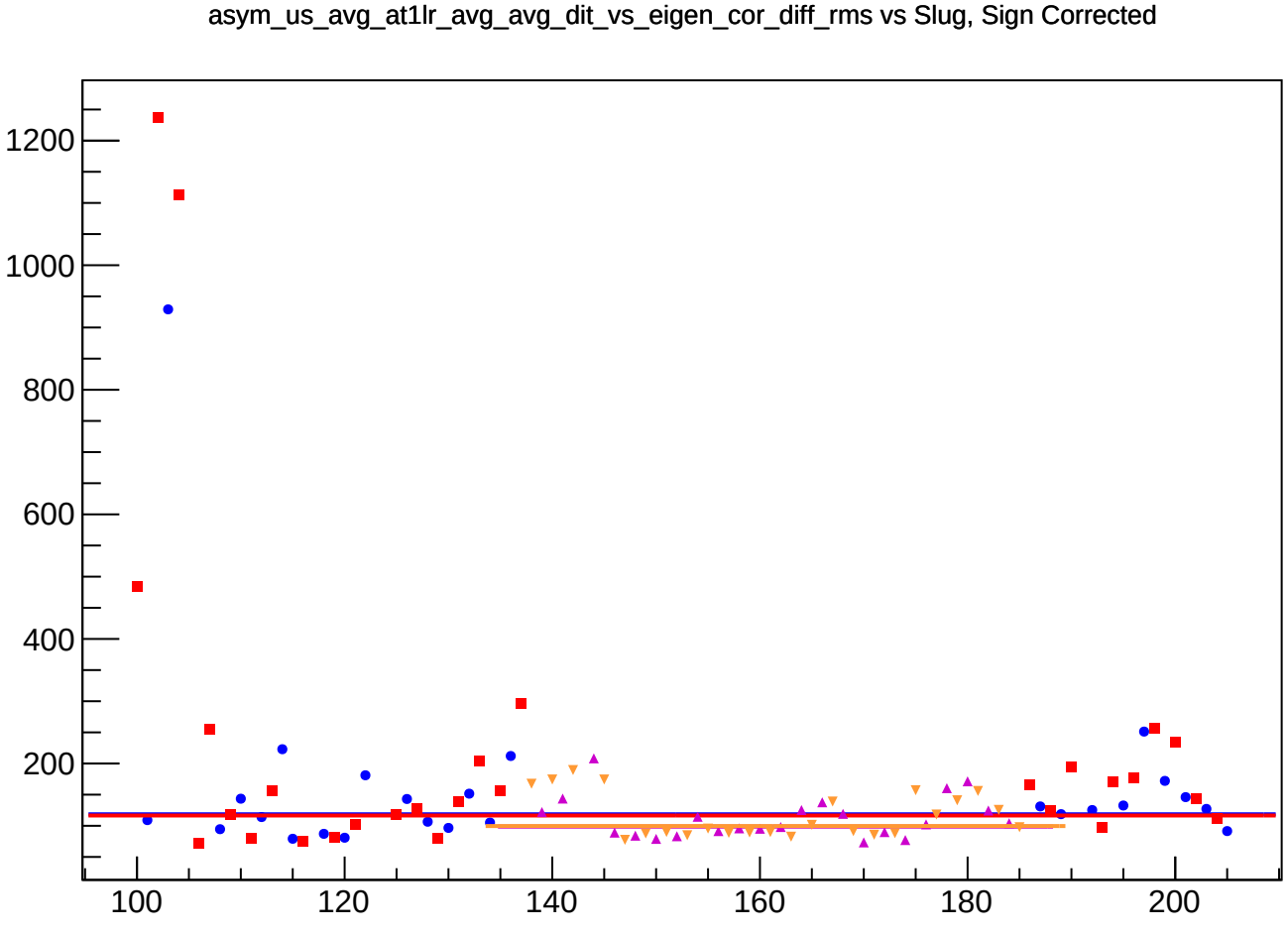
Right: 117.502+/-0.018 χ^2/NDF: 6913104.9/52

In: 105.029+/-0.015 χ^2/NDF:4970427.1/47

Out: 105.203+/-0.015 χ^2/NDF:6712380.3/51

All: 105.116+/-0.010 χ^2/NDF: 11682878.3/99


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.047+/-0.036 χ²/NDF: 29.7/24
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: -0.038+/-0.036 χ²/NDF: 27.2/27
Left In: -0.044+/-0.025 χ²/NDF:30.3/22
Left: -0.025+/-0.018 χ²/NDF: 59.0/46
Right: 0.004+/-0.026 χ²/NDF: 59.6/52
In: -0.015+/-0.021 χ²/NDF:64.1/47
Out: -0.017+/-0.021 χ²/NDF:55.4/51
All: -0.016+/-0.015 χ²/NDF: 119.5/99



Right In: 118.488+/-0.026 χ^2/NDF: 2565662.1/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

Right Out: 116.541+/-0.025 χ^2/NDF: 4344553.7/27

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

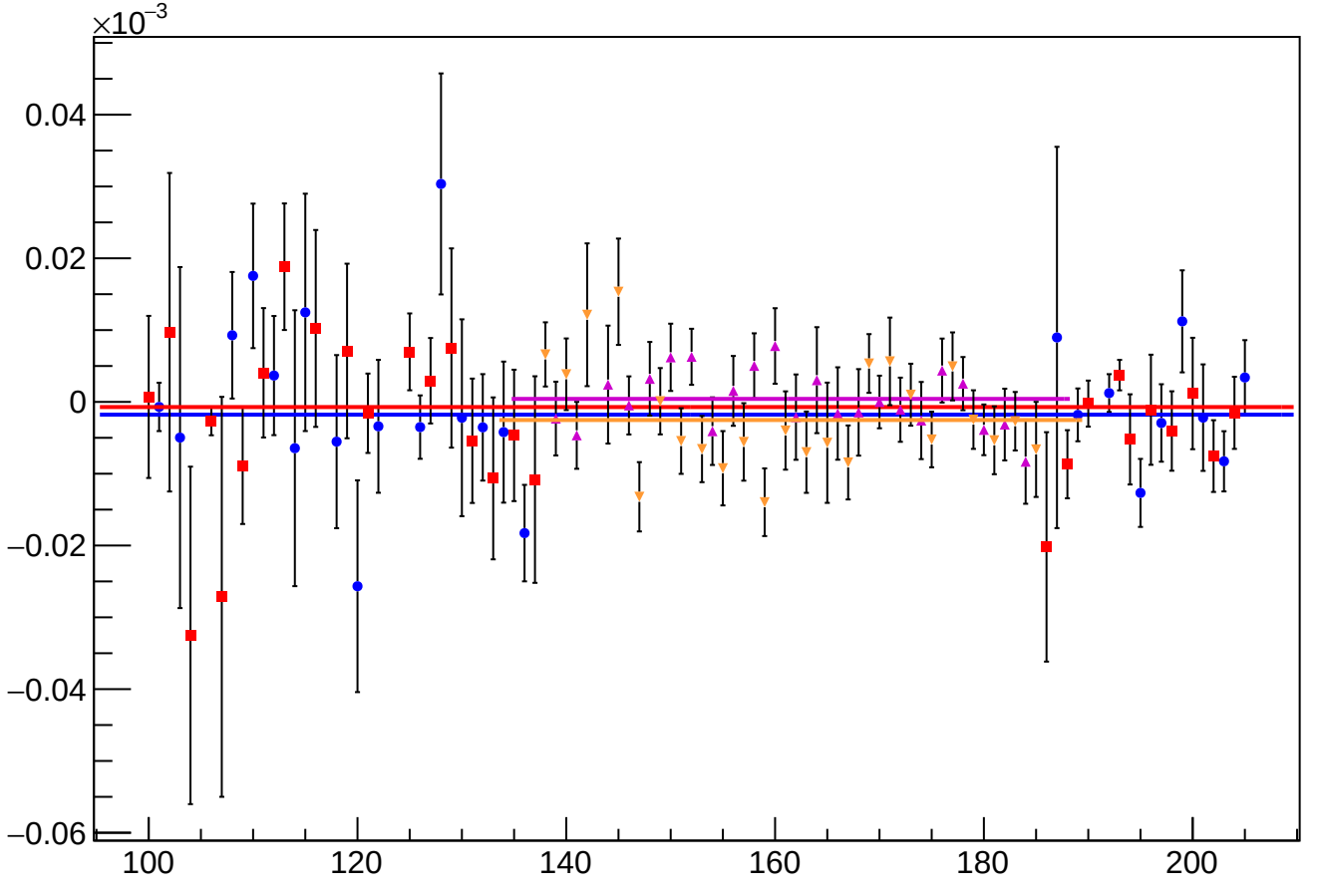
Left: 99.125+/-0.013 χ^2/NDF: 4075687.1/46

Right: 117.502+/-0.018 χ^2/NDF: 6913104.9/52

In: 105.029+/-0.015 χ^2/NDF:4970427.1/47

Out: 105.203+/-0.015 χ^2/NDF:6712380.3/51

All: 105.116+/-0.010 χ^2/NDF: 11682878.3/99



Right In: -0.000+/-0.000 χ^2/NDF: 33.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/27

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

Left: -0.000+/-0.000 χ^2/NDF: 60.4/46

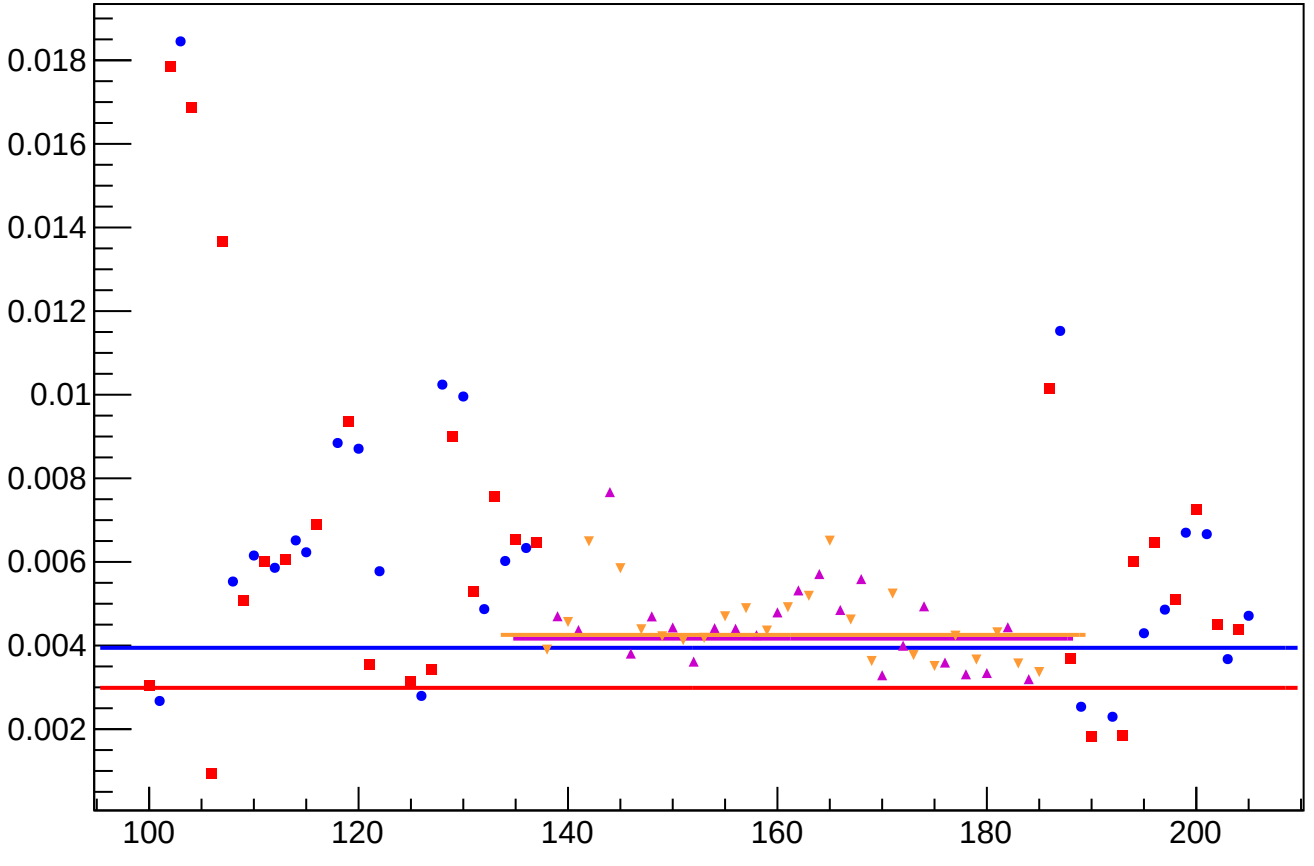
Right: -0.000+/-0.000 χ^2/NDF: 61.4/52

In: -0.000+/-0.000 χ^2/NDF:51.5/47

Out: -0.000+/-0.000 χ^2/NDF:69.1/51

All: -0.000+/-0.000 χ^2/NDF: 121.7/99

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5148117.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10022331.5/27

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

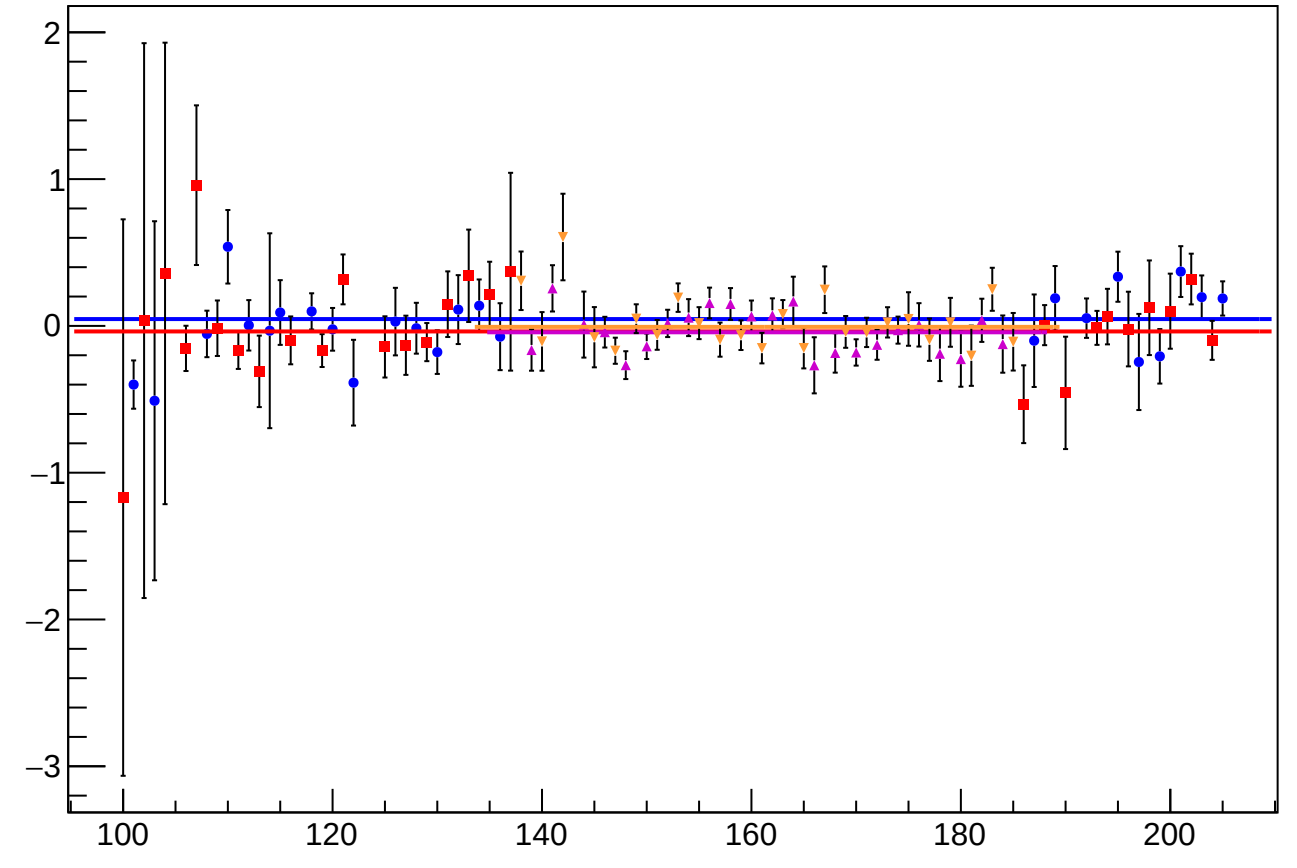
Left: 0.004+/-0.000 χ^2/NDF: 2118625.9/46

Right: 0.003+/-0.000 χ^2/NDF: 15923939.2/52

In: 0.004+/-0.000 χ^2/NDF:6465556.0/47

Out: 0.004+/-0.000 χ^2/NDF:12440475.1/51

All: 0.004+/-0.000 χ^2/NDF: 19295489.2/99



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

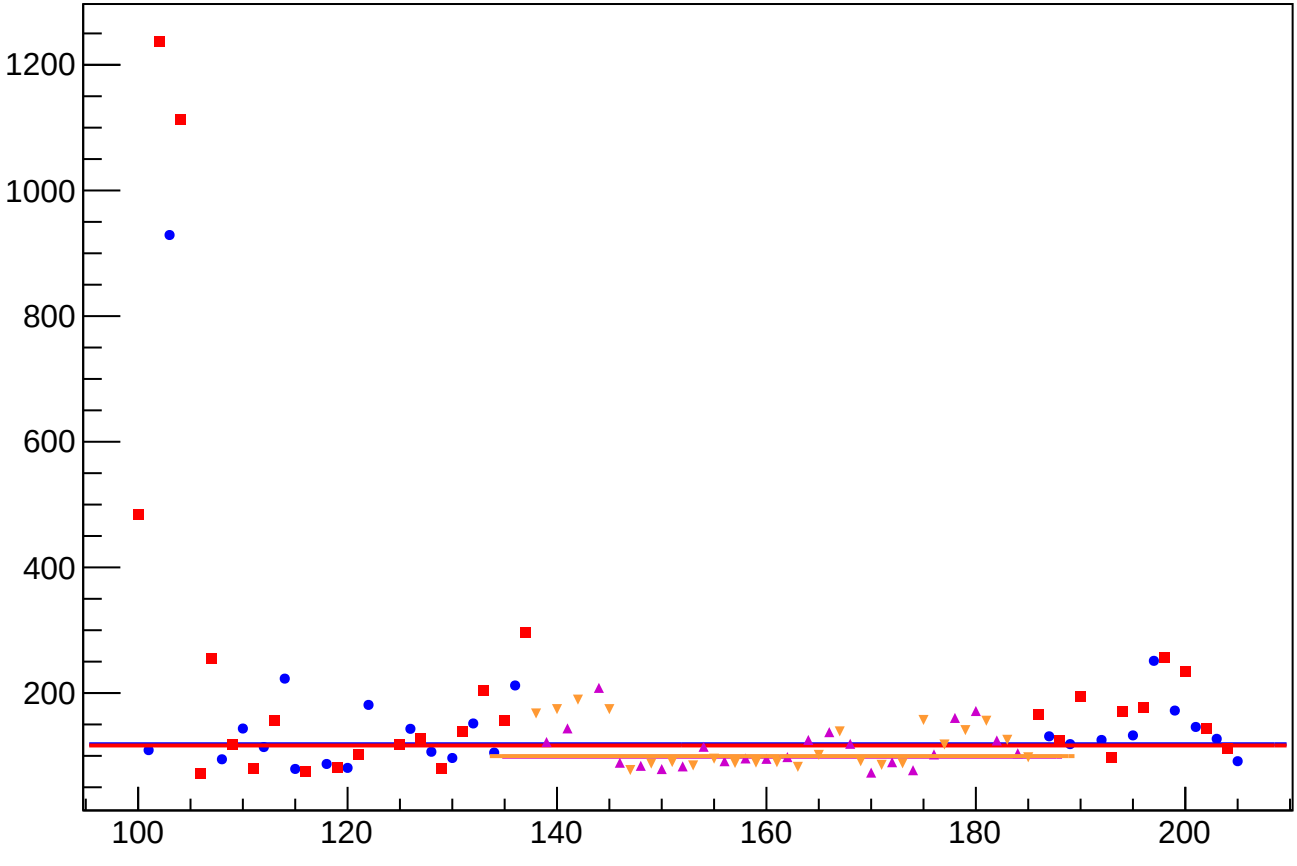
Right: 0.004+/-0.026 χ^2/NDF: 59.6/52

In: -0.015+/-0.021 χ^2/NDF:64.1/47

Out: -0.017+/-0.021 χ^2/NDF:55.4/51

All: -0.016+/-0.015 χ^2/NDF: 119.5/99

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.486+/-0.026 χ^2/NDF: 2565766.4/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.540+/-0.025 χ^2/NDF: 4344570.4/27

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

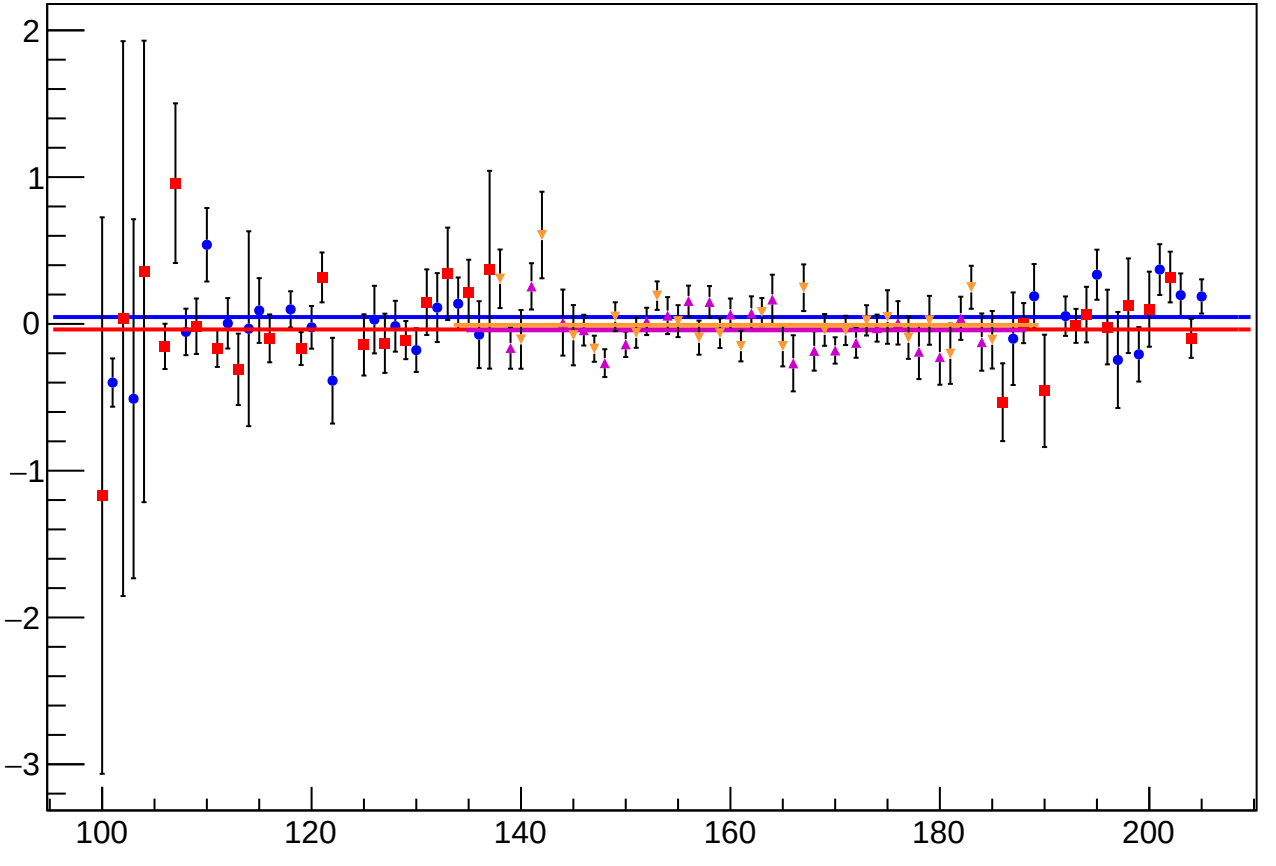
Right: 117.500+/-0.018 χ^2/NDF: 6913222.4/52

In: 105.029+/-0.015 χ^2/NDF:4970409.9/47

Out: 105.204+/-0.015 χ^2/NDF:6712311.5/51

All: 105.116+/-0.010 χ^2/NDF: 11682792.7/99

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

Right Out: -0.038+/-0.036 χ^2/NDF: 27.2/27

Left In: -0.044+/-0.025 χ^2/NDF:30.3/22

Left: -0.025+/-0.018 χ^2/NDF: 59.0/46

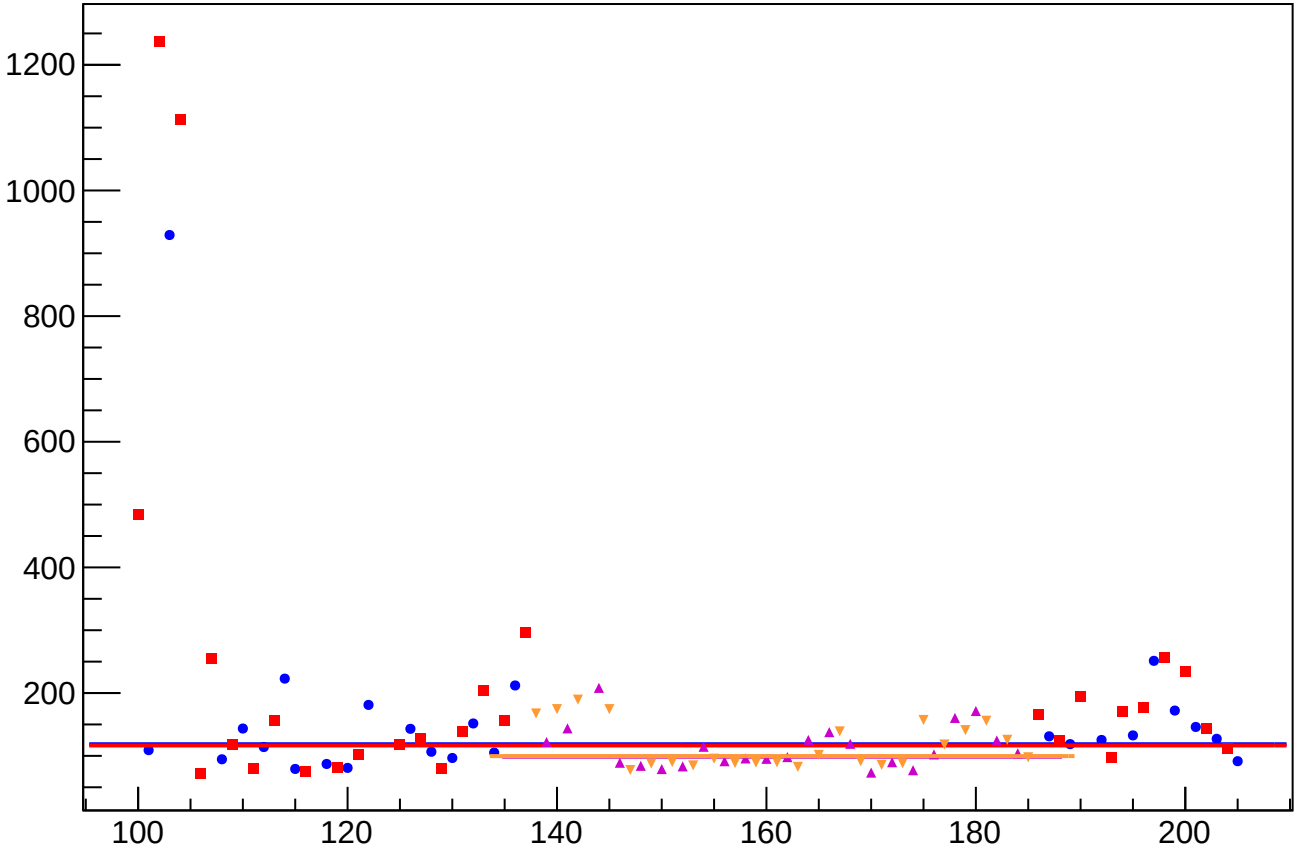
Right: 0.004+/-0.026 χ^2/NDF: 59.6/52

In: -0.015+/-0.021 χ^2/NDF:64.1/47

Out: -0.017+/-0.021 χ^2/NDF:55.4/51

All: -0.016+/-0.015 χ^2/NDF: 119.5/99

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 118.486+/-0.026 χ^2/NDF: 2565766.4/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 116.540+/-0.025 χ^2/NDF: 4344570.4/27

Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

Left: 99.125+/-0.013 χ^2/NDF: 4075620.9/46

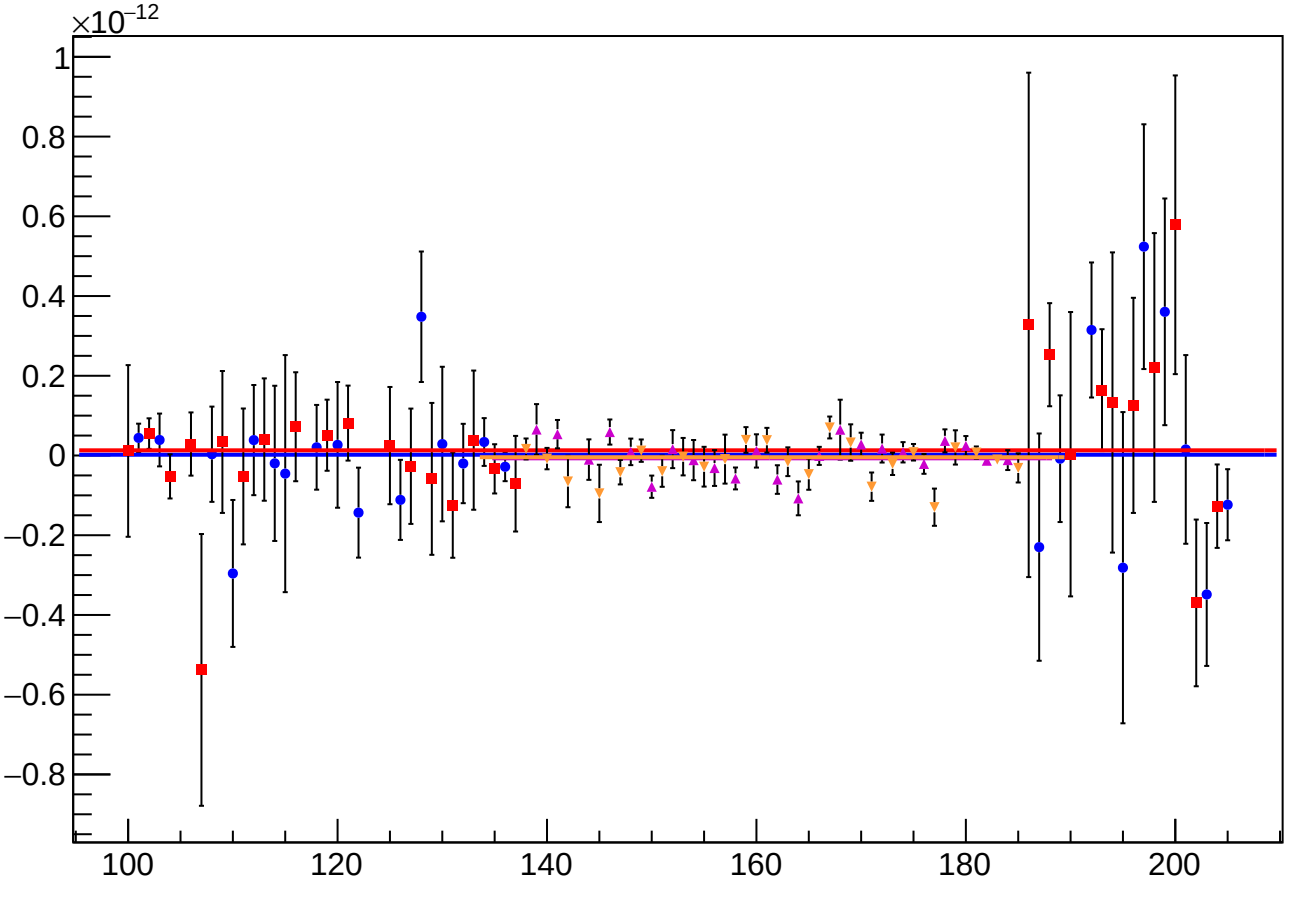
Right: 117.500+/-0.018 χ^2/NDF: 6913222.4/52

In: 105.029+/-0.015 χ^2/NDF:4970409.9/47

Out: 105.204+/-0.015 χ^2/NDF:6712311.5/51

All: 105.116+/-0.010 χ^2/NDF: 11682792.7/99

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:32.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 21.5/27

Left In: -0.000+/-0.000 χ^2/NDF:35.2/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/46

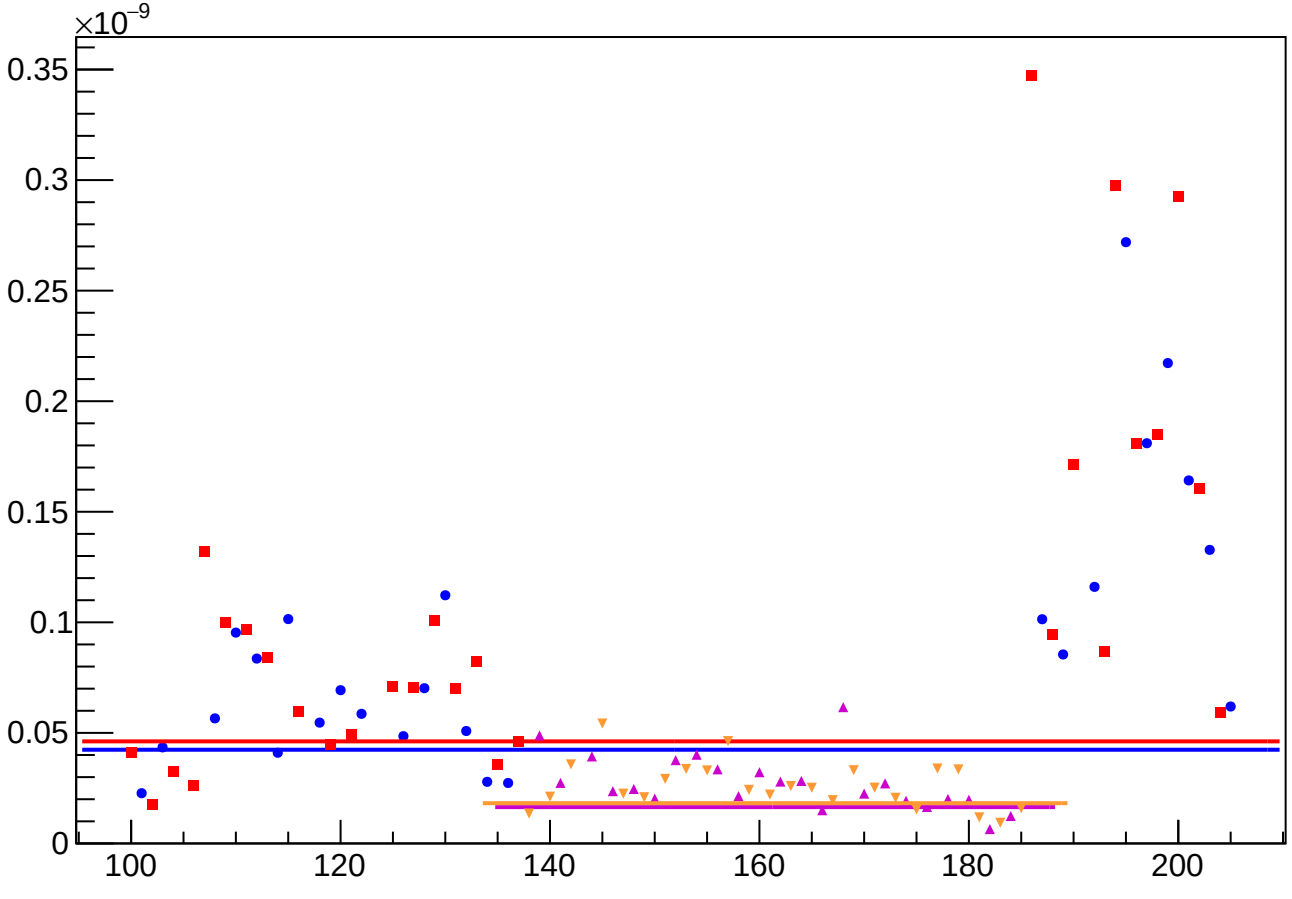
Right: 0.000+/-0.000 χ^2/NDF: 49.5/52

In: -0.000+/-0.000 χ^2/NDF:63.3/47

Out: -0.000+/-0.000 χ^2/NDF:55.1/51

All: -0.000+/-0.000 χ^2/NDF: 118.5/99

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5587397.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6802217.8/27

Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

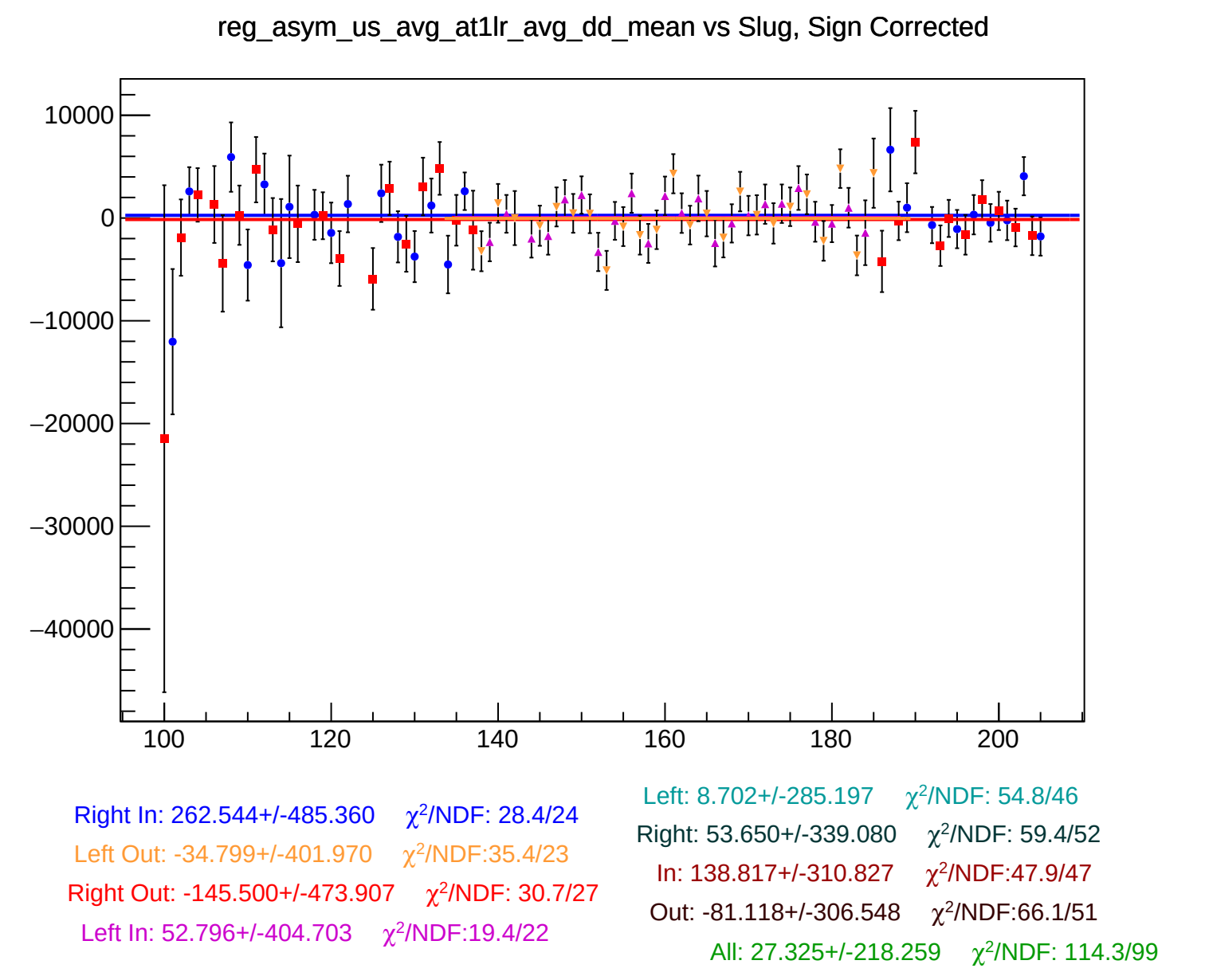
Left: 0.000+/-0.000 χ^2/NDF: 11414627.4/46

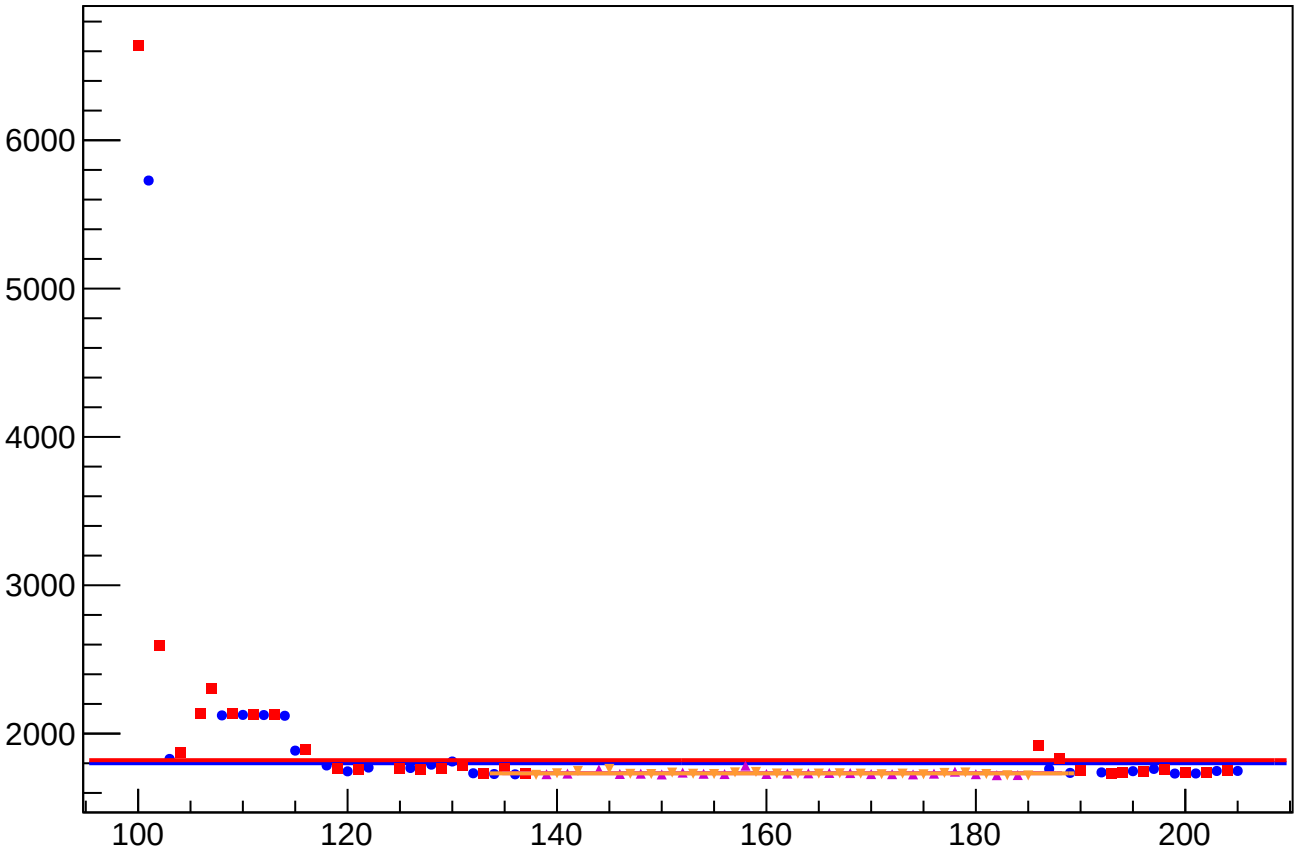
Right: 0.000+/-0.000 χ^2/NDF: 12427888.1/52

In: 0.000+/-0.000 χ^2/NDF:16320049.3/47

Out: 0.000+/-0.000 χ^2/NDF:14589196.1/51

All: 0.000+/-0.000 χ^2/NDF: 31015823.6/99


reg_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 262.544+/-485.360 χ²/NDF: 28.4/24
Left Out: -34.799+/-401.970 χ²/NDF:35.4/23
Right Out: -145.500+/-473.907 χ²/NDF: 30.7/27
Left In: 52.796+/-404.703 χ²/NDF:19.4/22
Left: 8.702+/-285.197 χ²/NDF: 54.8/46
Right: 53.650+/-339.080 χ²/NDF: 59.4/52
In: 138.817+/-310.827 χ²/NDF:47.9/47
Out: -81.118+/-306.548 χ²/NDF:66.1/51
All: 27.325+/-218.259 χ²/NDF: 114.3/99



Right In: 1800.286+/-0.343 χ^2/NDF: 704610.1/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1820.814+/-0.335 χ^2/NDF: 300647.9/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

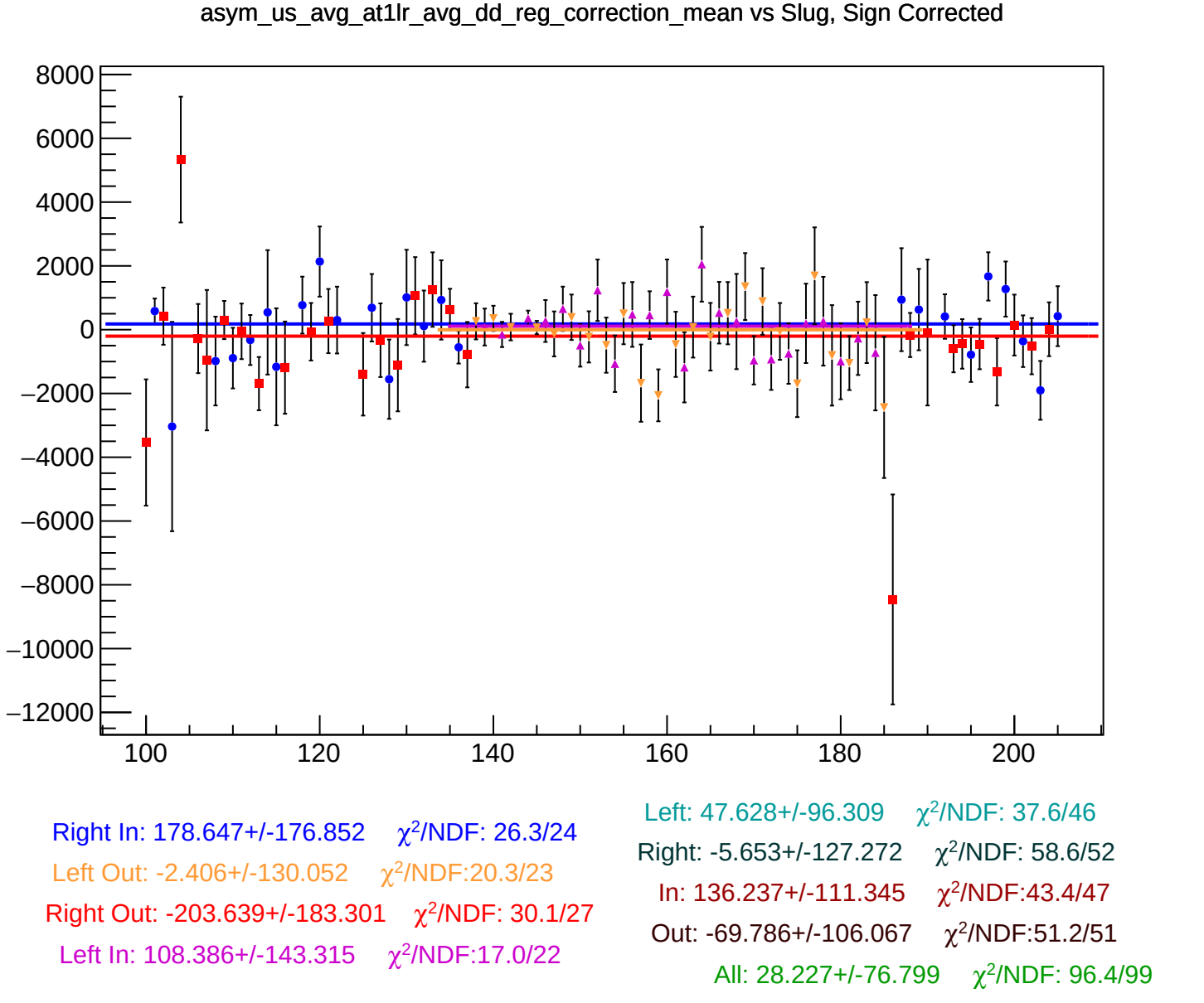
Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

Right: 1810.795+/-0.240 χ^2/NDF: 1007089.6/52

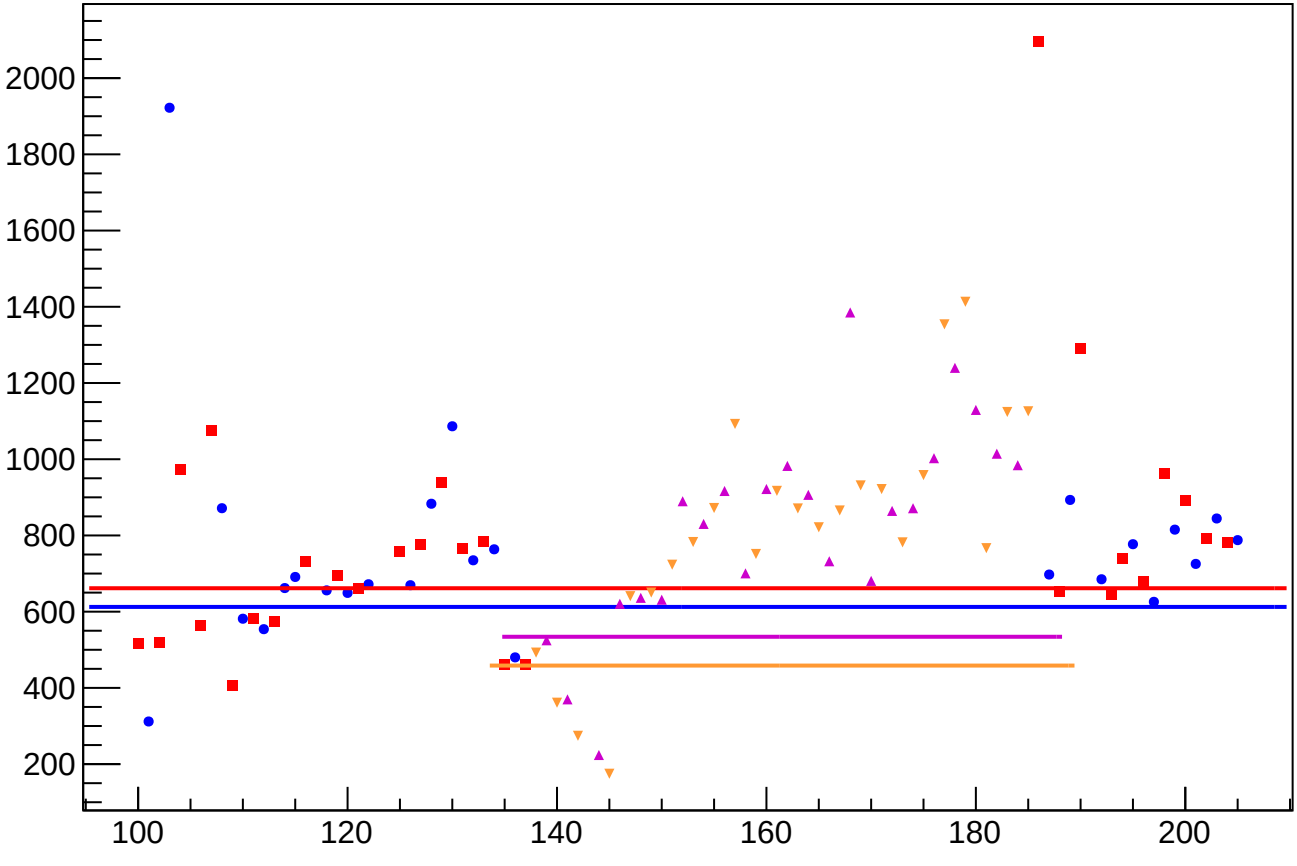
In: 1760.781+/-0.220 χ^2/NDF:729301.9/47

Out: 1769.153+/-0.217 χ^2/NDF:342451.5/51

All: 1765.025+/-0.154 χ^2/NDF: 1072488.9/99


asym_us_avg_at1lr_avg_dd_reg_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: 178.647+/-176.852 χ²/NDF: 26.3/24
Left Out: -2.406+/-130.052 χ²/NDF:20.3/23
Right Out: -203.639+/-183.301 χ²/NDF: 30.1/27
Left In: 108.386+/-143.315 χ²/NDF:17.0/22
Left: 47.628+/-96.309 χ²/NDF: 37.6/46
Right: -5.653+/-127.272 χ²/NDF: 58.6/52
In: 136.237+/-111.345 χ²/NDF:43.4/47
Out: -69.786+/-106.067 χ²/NDF:51.2/51
All: 28.227+/-76.799 χ²/NDF: 96.4/99

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 612.483+/-0.125 χ^2/NDF: 2620908.7/24

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 661.507+/-0.130 χ^2/NDF: 1929184.0/27

Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

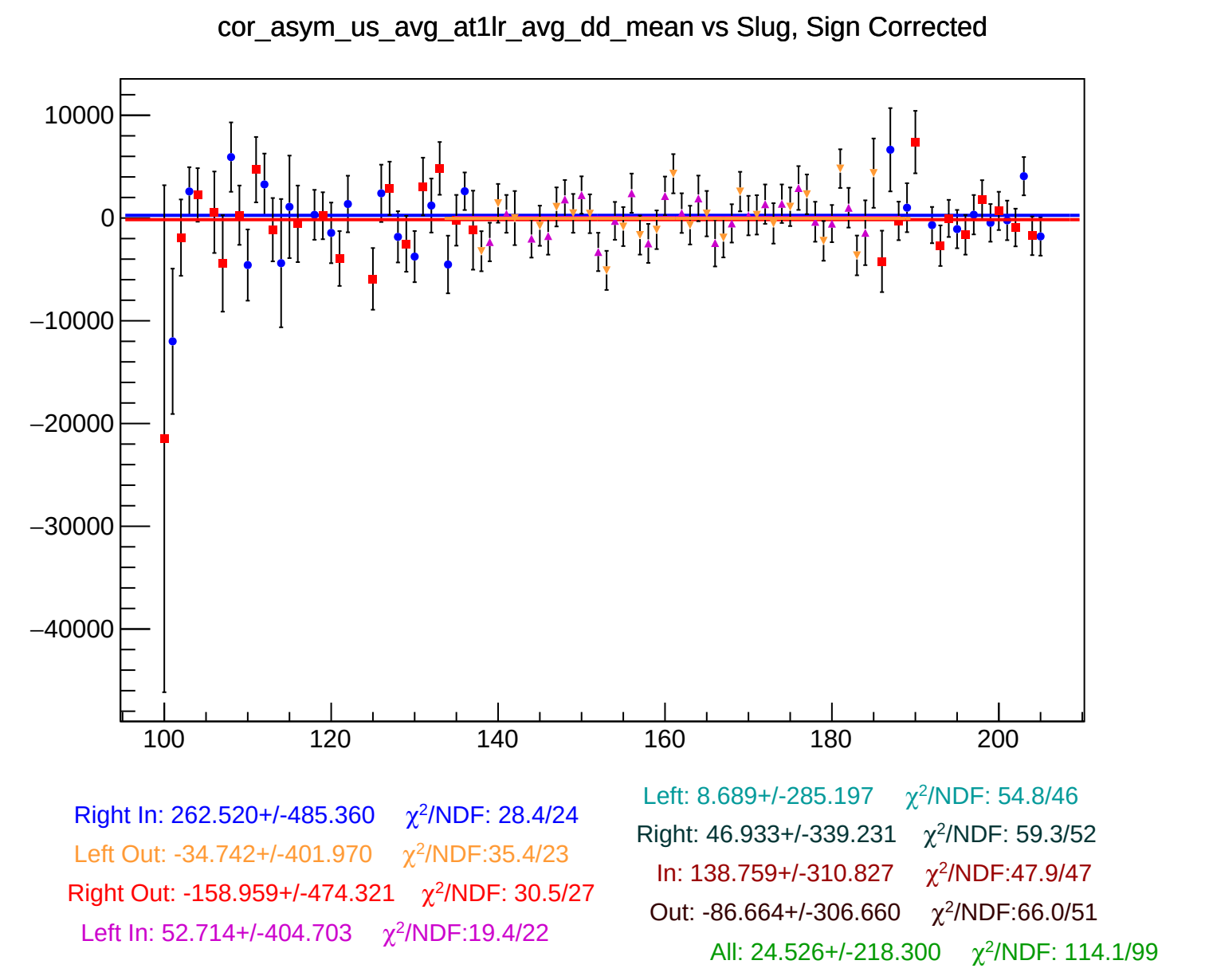
Left: 492.711+/-0.068 χ^2/NDF: 20175085.0/46

Right: 636.118+/-0.090 χ^2/NDF: 4624184.5/52

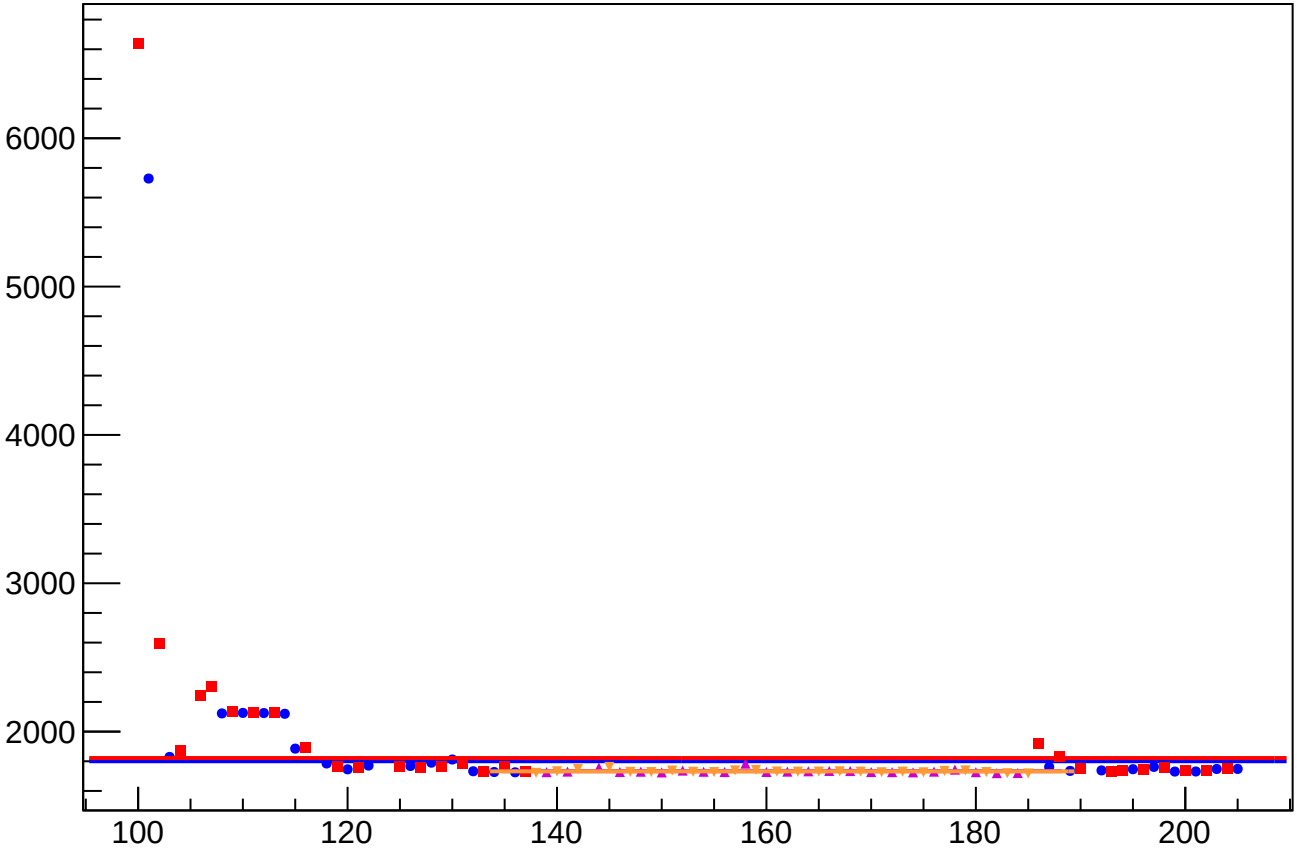
In: 565.207+/-0.079 χ^2/NDF:11300977.5/47

Out: 526.526+/-0.075 χ^2/NDF:14986391.0/51

All: 544.928+/-0.054 χ^2/NDF: 26413903.9/99


cor_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 262.520+/-485.360 χ²/NDF: 28.4/24
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -158.959+/-474.321 χ²/NDF: 30.5/27
Left In: 52.714+/-404.703 χ²/NDF:19.4/22
Left: 8.689+/-285.197 χ²/NDF: 54.8/46
Right: 46.933+/-339.231 χ²/NDF: 59.3/52
In: 138.759+/-310.827 χ²/NDF:47.9/47
Out: -86.664+/-306.660 χ²/NDF:66.0/51
All: 24.526+/-218.300 χ²/NDF: 114.1/99

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug, Sign Corrected



Right In: 1800.286+/-0.343 χ^2/NDF: 704609.9/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1821.766+/-0.335 χ^2/NDF: 308938.1/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

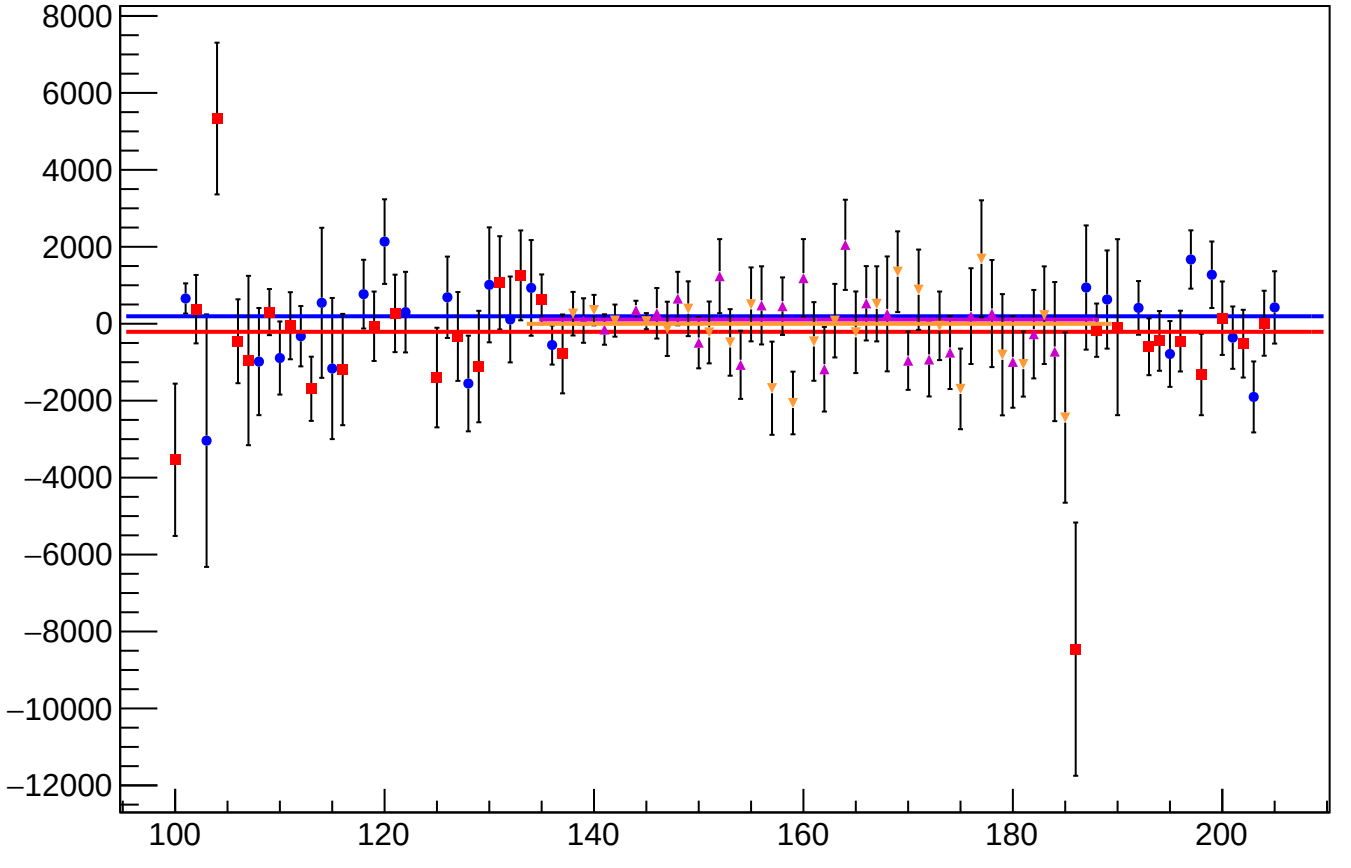
Right: 1811.273+/-0.240 χ^2/NDF: 1015551.8/52

In: 1760.781+/-0.220 χ^2/NDF:729301.7/47

Out: 1769.513+/-0.217 χ^2/NDF:351579.9/51

All: 1765.206+/-0.154 χ^2/NDF: 1081681.5/99

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 193.723+/-176.813 χ^2/NDF: 26.7/24

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -210.095+/-183.276 χ^2/NDF: 30.1/27

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

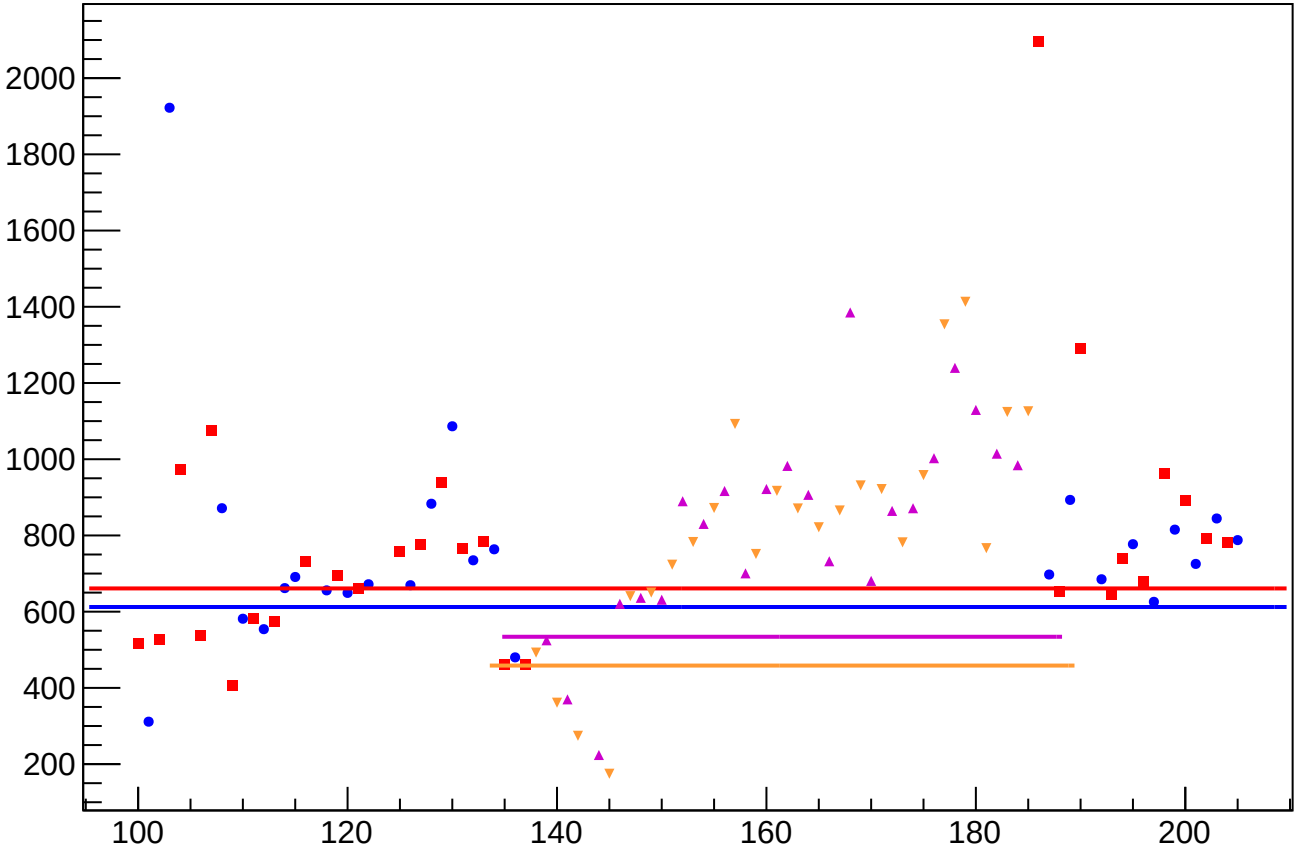
Right: -0.941+/-127.249 χ^2/NDF: 59.3/52

In: 142.205+/-111.335 χ^2/NDF:43.9/47

Out: -72.044+/-106.063 χ^2/NDF:51.2/51

All: 29.888+/-76.794 χ^2/NDF: 97.0/99

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 612.250+/-0.125 χ^2/NDF: 2627355.8/24

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 660.979+/-0.130 χ^2/NDF: 1934914.3/27

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

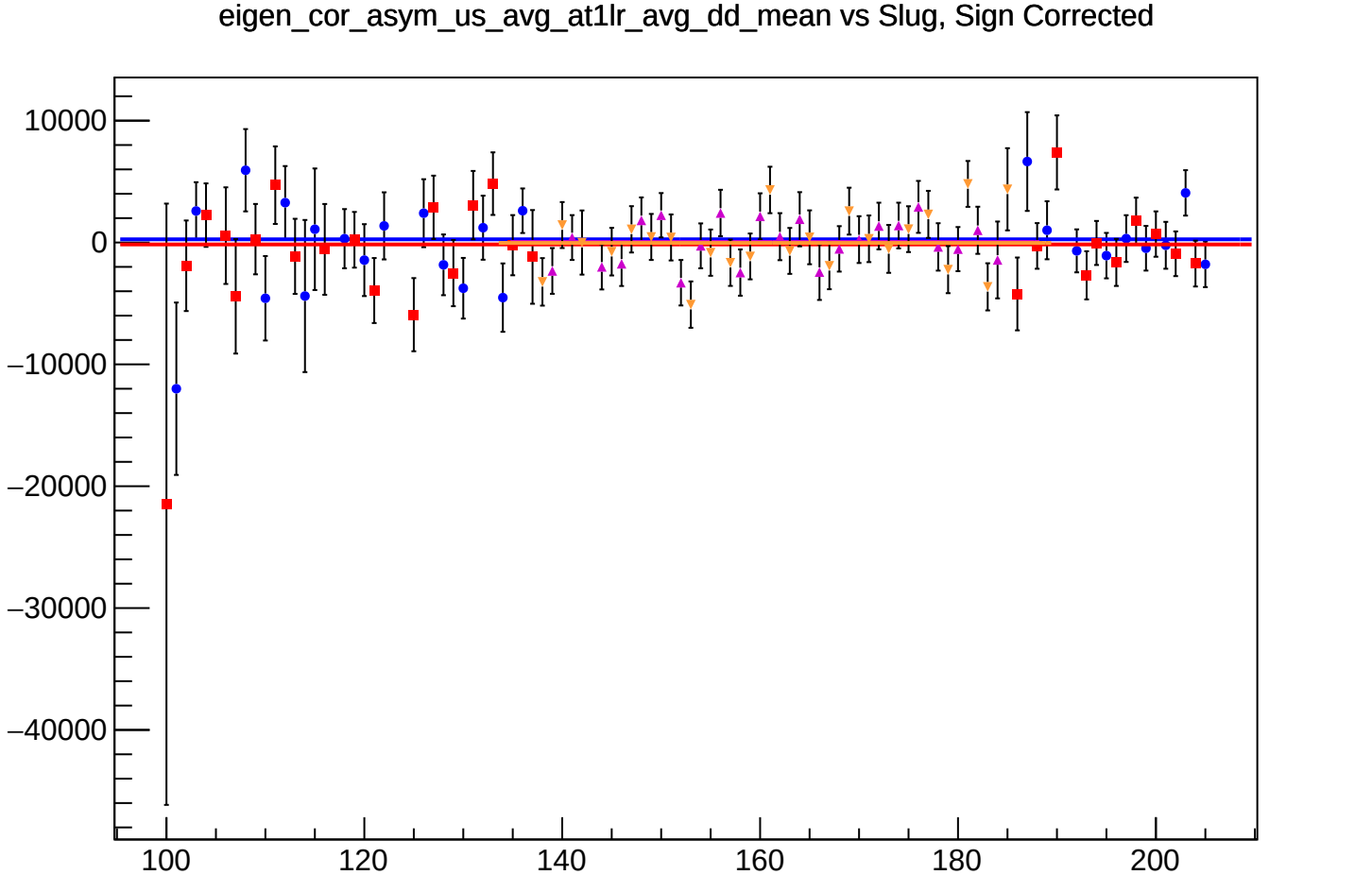
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

Right: 635.740+/-0.090 χ^2/NDF: 4635498.7/52

In: 565.127+/-0.079 χ^2/NDF:11305551.7/47

Out: 526.370+/-0.075 χ^2/NDF:14983346.4/51

All: 544.809+/-0.054 χ^2/NDF: 26415953.0/99



Right In: 262.520+/-485.360 χ^2/NDF: 28.4/24

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -158.959+/-474.321 χ^2/NDF: 30.5/27

Left In: 52.714+/-404.703 χ^2/NDF:19.4/22

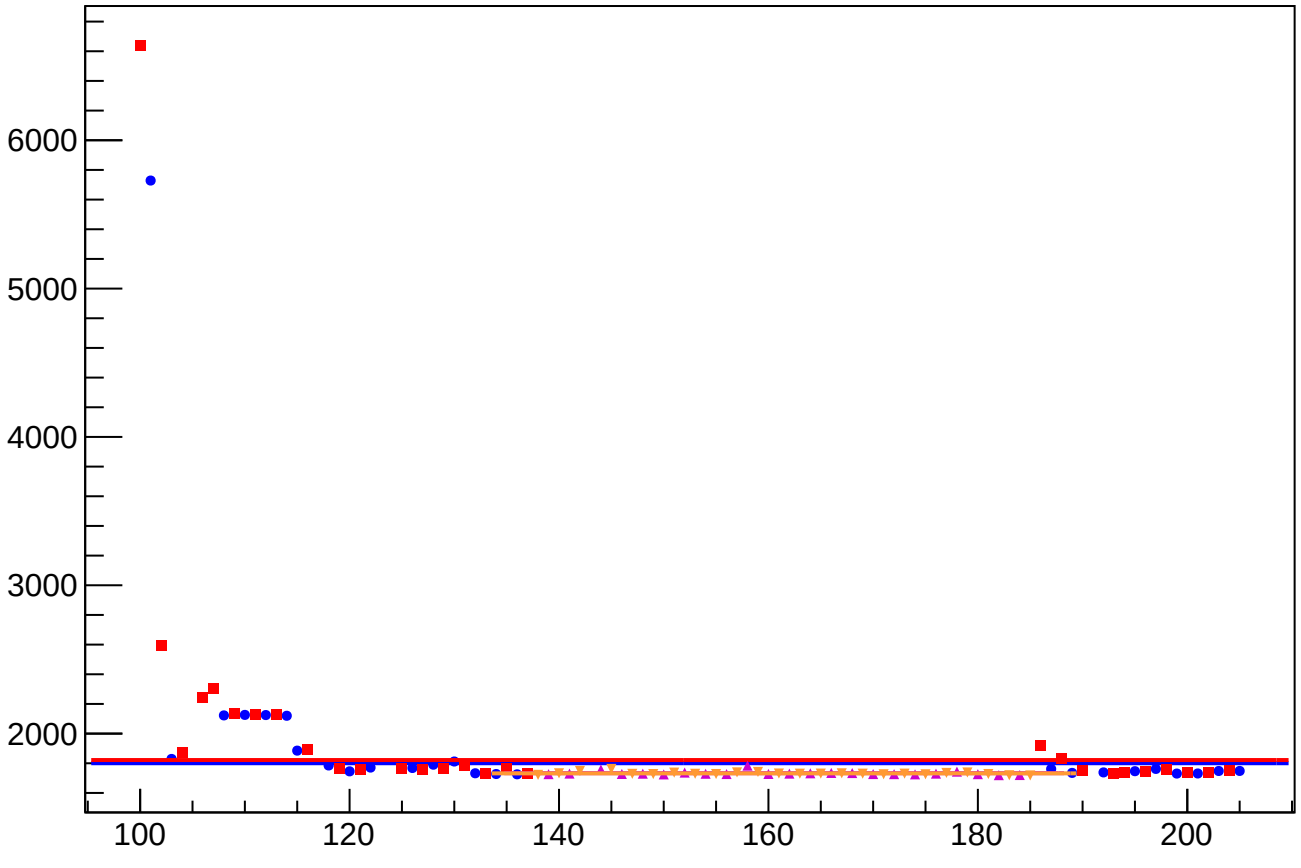
Left: 8.689+/-285.197 χ^2/NDF: 54.8/46

Right: 46.933+/-339.231 χ^2/NDF: 59.3/52

In: 138.759+/-310.827 χ^2/NDF:47.9/47

Out: -86.664+/-306.660 χ^2/NDF:66.0/51

All: 24.526+/-218.300 χ^2/NDF: 114.1/99



Right In: 1800.286+/-0.343 χ^2/NDF: 704609.9/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

Right Out: 1821.766+/-0.335 χ^2/NDF: 308938.1/27

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

Left: 1732.646+/-0.202 χ^2/NDF: 3178.5/46

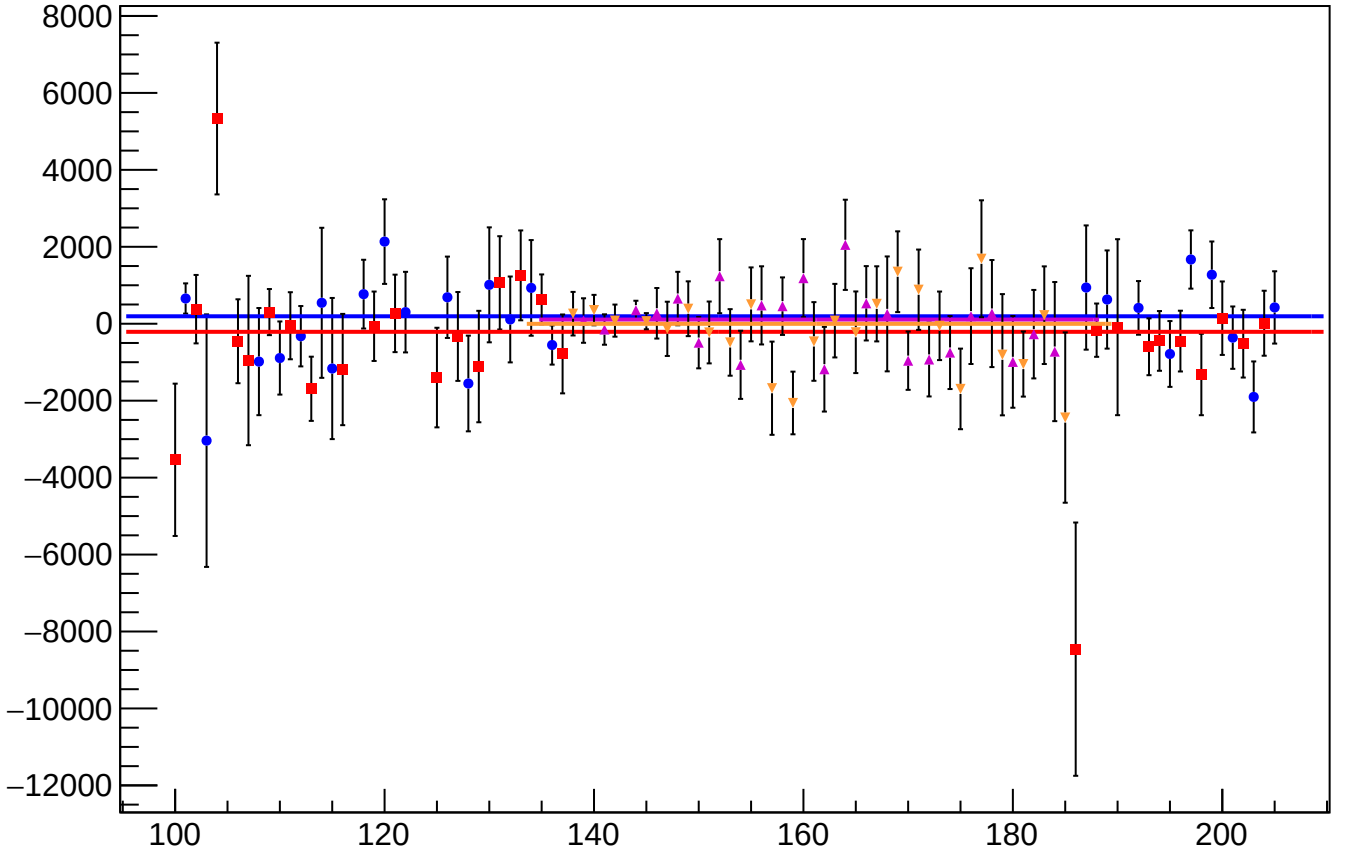
Right: 1811.273+/-0.240 χ^2/NDF: 1015551.8/52

In: 1760.781+/-0.220 χ^2/NDF:729301.7/47

Out: 1769.513+/-0.217 χ^2/NDF:351579.9/51

All: 1765.206+/-0.154 χ^2/NDF: 1081681.5/99

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 193.723+/-176.813 χ^2/NDF: 26.7/24

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: -210.095+/-183.276 χ^2/NDF: 30.1/27

Left In: 108.358+/-143.315 χ^2/NDF:17.0/22

Left: 47.548+/-96.310 χ^2/NDF: 37.6/46

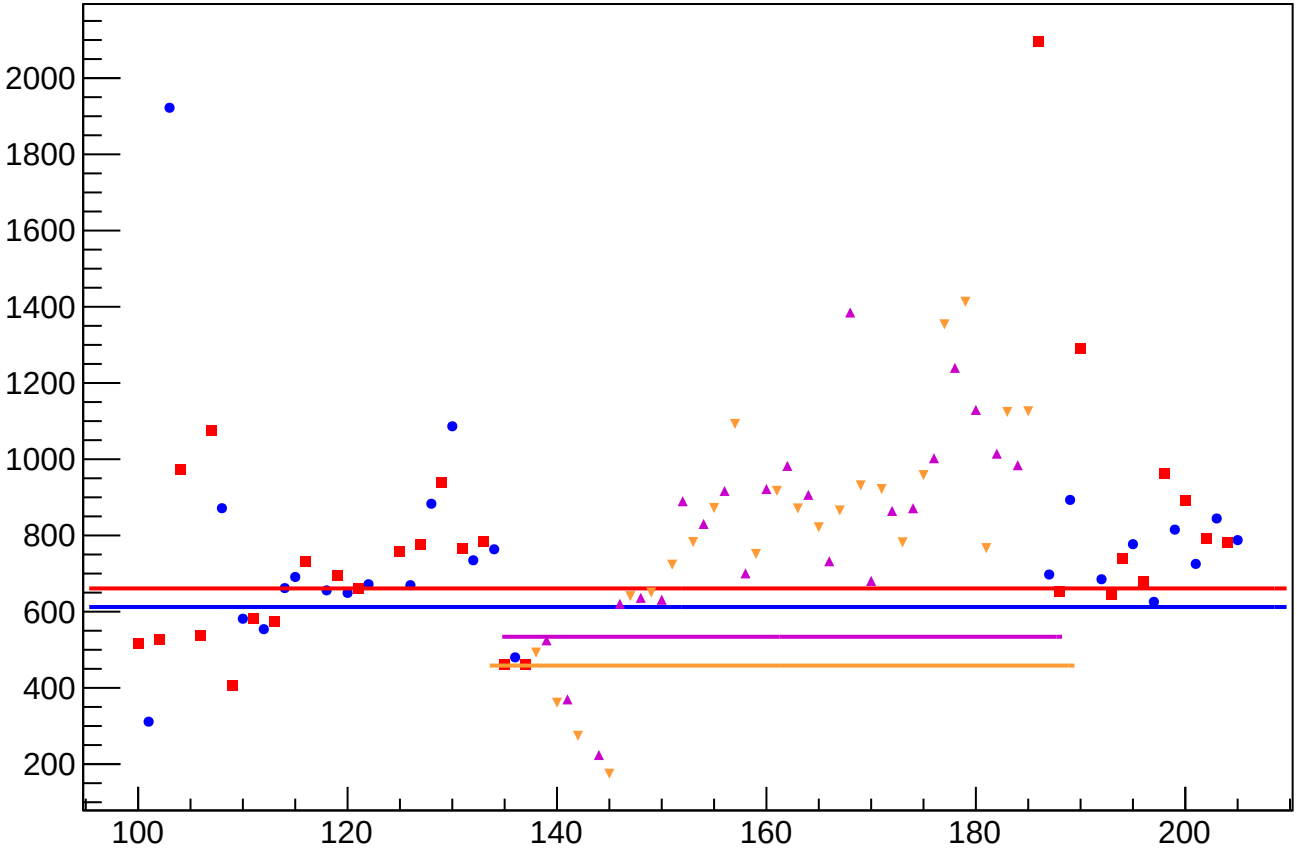
Right: -0.941+/-127.249 χ^2/NDF: 59.3/52

In: 142.205+/-111.335 χ^2/NDF:43.9/47

Out: -72.044+/-106.063 χ^2/NDF:51.2/51

All: 29.888+/-76.794 χ^2/NDF: 97.0/99

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 612.250+/-0.125 χ^2/NDF: 2627355.8/24

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 660.979+/-0.130 χ^2/NDF: 1934914.3/27

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

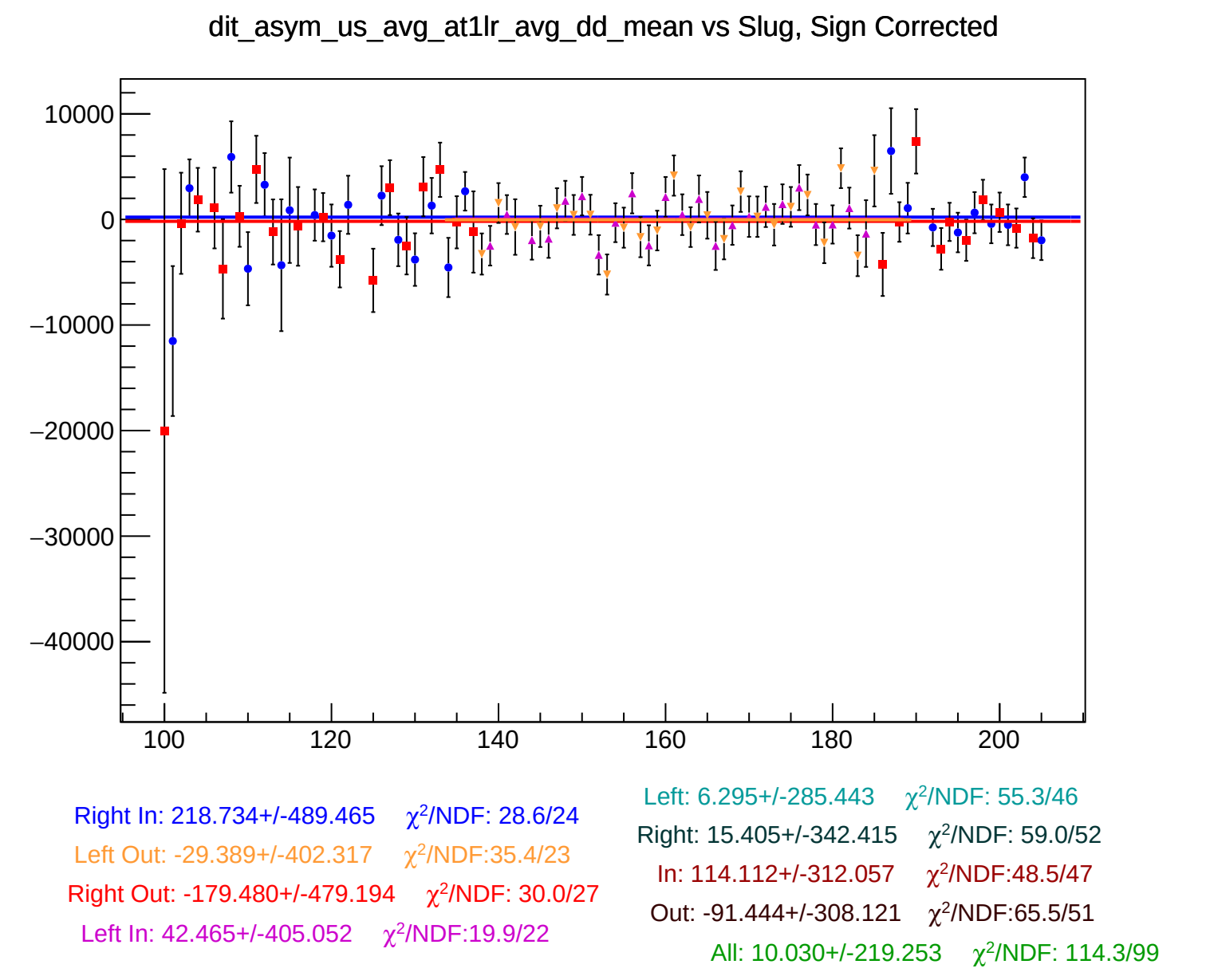
Left: 492.721+/-0.068 χ^2/NDF: 20174164.1/46

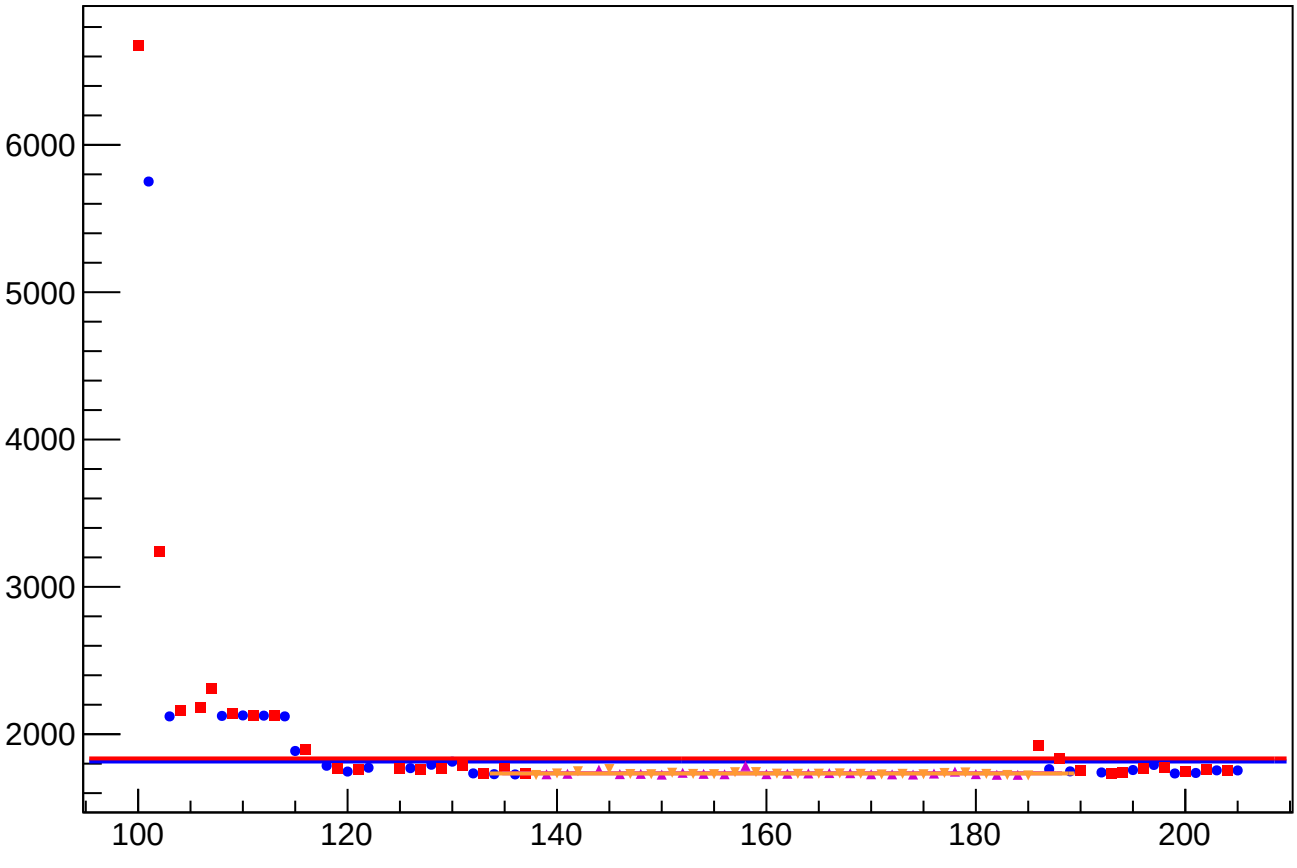
Right: 635.740+/-0.090 χ^2/NDF: 4635498.7/52

In: 565.127+/-0.079 χ^2/NDF:11305551.7/47

Out: 526.370+/-0.075 χ^2/NDF:14983346.4/51

All: 544.809+/-0.054 χ^2/NDF: 26415953.0/99


dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 218.734+/-489.465 χ²/NDF: 28.6/24
Left Out: -29.389+/-402.317 χ²/NDF:35.4/23
Right Out: -179.480+/-479.194 χ²/NDF: 30.0/27
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.295+/-285.443 χ²/NDF: 55.3/46
Right: 15.405+/-342.415 χ²/NDF: 59.0/52
In: 114.112+/-312.057 χ²/NDF:48.5/47
Out: -91.444+/-308.121 χ²/NDF:65.5/51
All: 10.030+/-219.253 χ²/NDF: 114.3/99



Right In: 1814.658+/-0.346 χ^2/NDF: 728847.5/24

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1835.367+/-0.339 χ^2/NDF: 409633.6/27

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

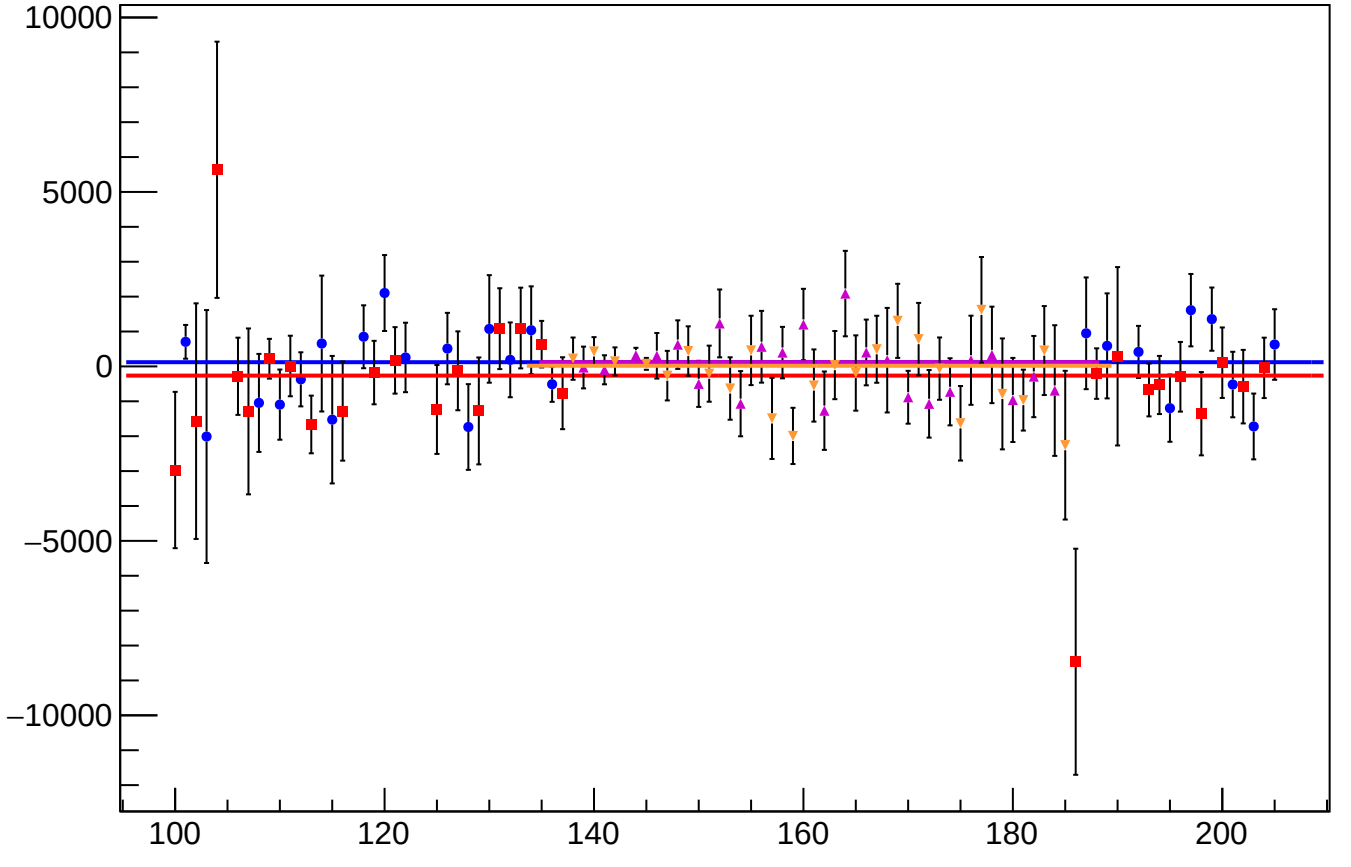
Right: 1825.232+/-0.242 χ^2/NDF: 1140309.2/52

In: 1767.265+/-0.221 χ^2/NDF:762614.2/47

Out: 1775.604+/-0.218 χ^2/NDF:463570.4/51

All: 1771.488+/-0.155 χ^2/NDF: 1226907.7/99

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 120.649+/-189.944 χ^2/NDF: 25.0/24

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

Right Out: -263.470+/-193.182 χ^2/NDF: 22.6/27

Left In: 121.705+/-137.150 χ^2/NDF:16.5/22

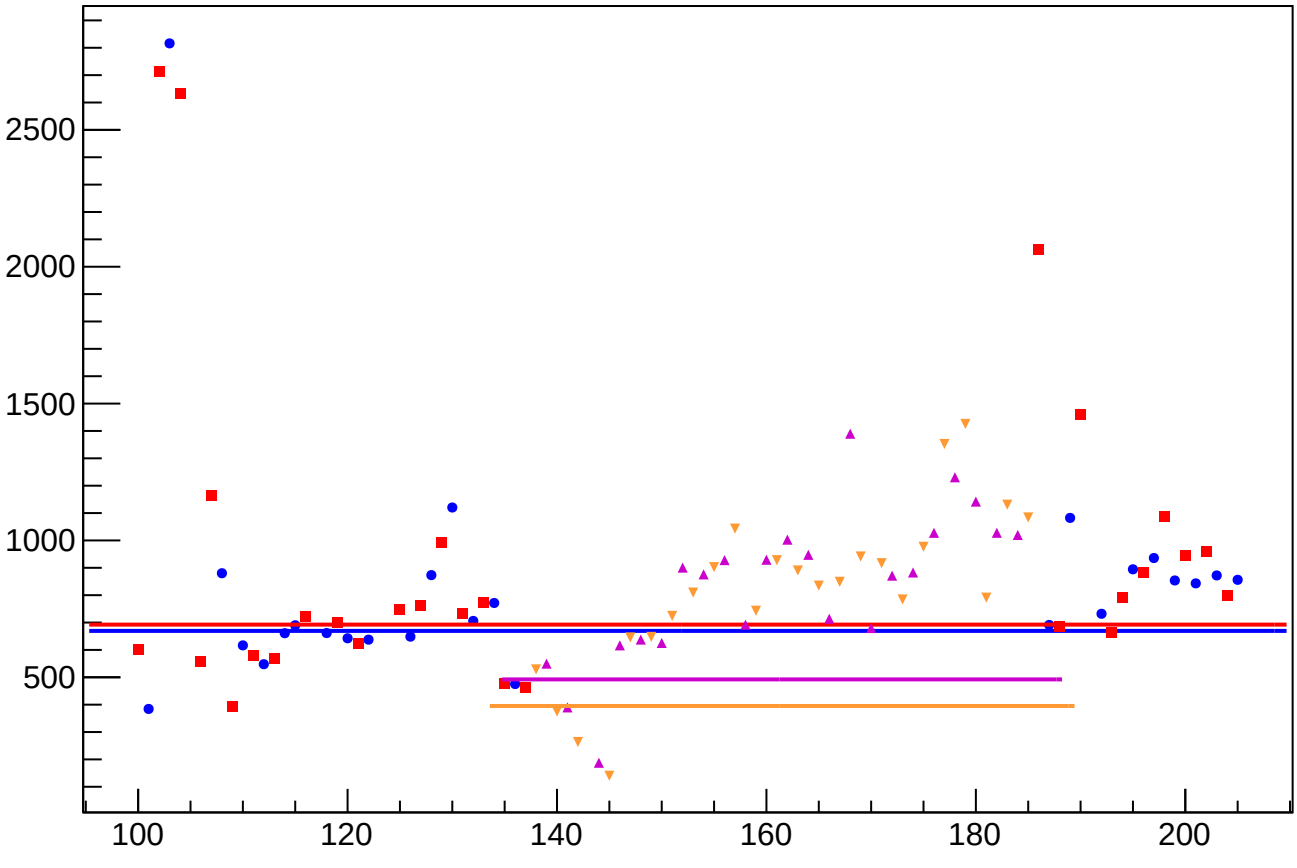
Left: 62.699+/-90.026 χ^2/NDF: 36.2/46

Right: -68.164+/-135.441 χ^2/NDF: 49.6/52

In: 121.343+/-111.193 χ^2/NDF:41.5/47

Out: -59.720+/-101.525 χ^2/NDF:43.6/51

All: 22.599+/-74.974 χ^2/NDF: 86.5/99



Right In: 669.499+/-0.134 χ^2/NDF: 2754941.5/24

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 692.476+/-0.137 χ^2/NDF: 3588425.4/27

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

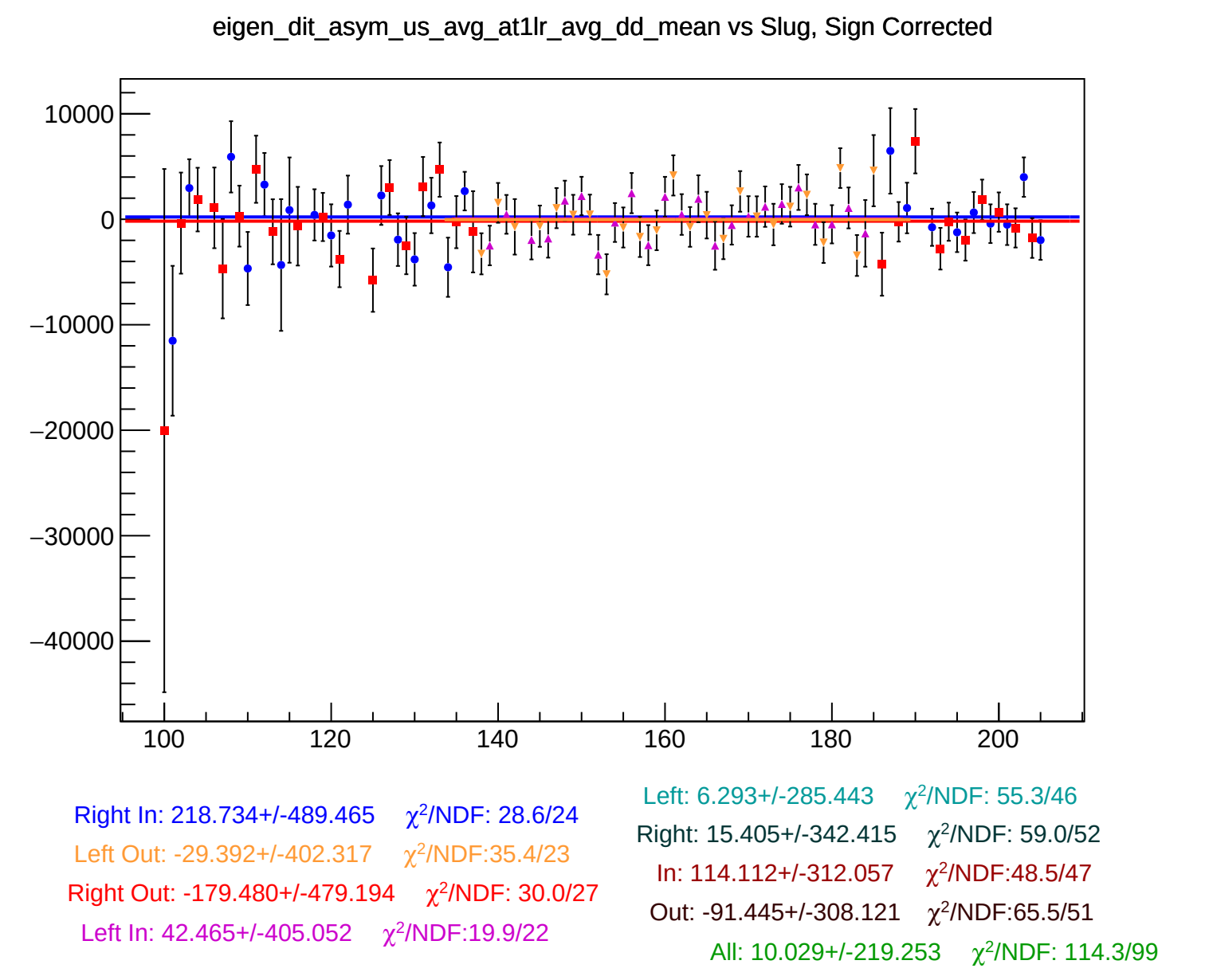
Left: 437.028+/-0.064 χ^2/NDF: 25324537.7/46

Right: 680.794+/-0.096 χ^2/NDF: 6357753.1/52

In: 553.022+/-0.079 χ^2/NDF:14318631.3/47

Out: 477.297+/-0.072 χ^2/NDF:21351113.5/51

All: 511.724+/-0.053 χ^2/NDF: 36175603.0/99


eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug, Sign Corrected
10000
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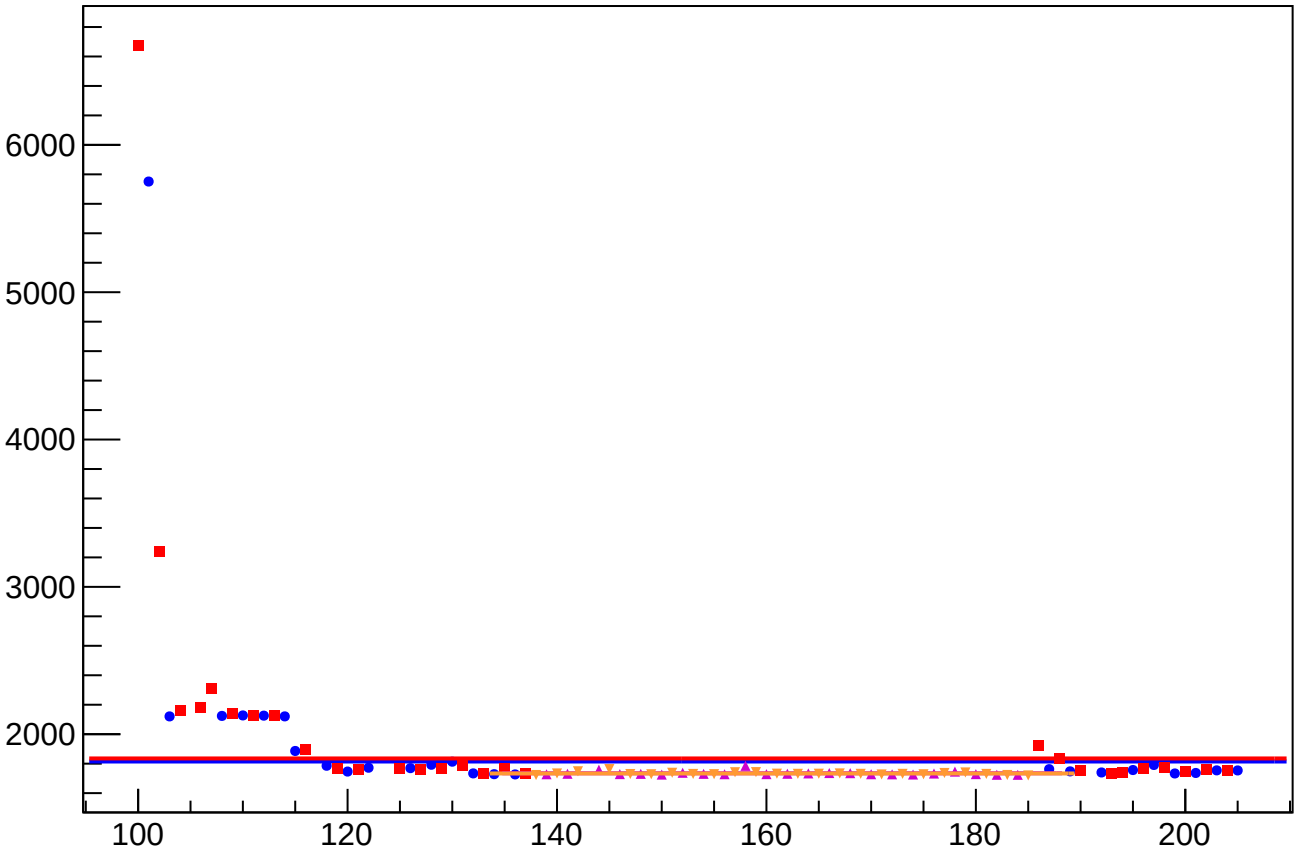
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 218.734+/-489.465 χ²/NDF: 28.6/24
Left Out: -29.392+/-402.317 χ²/NDF:35.4/23
Right Out: -179.480+/-479.194 χ²/NDF: 30.0/27
Left In: 42.465+/-405.052 χ²/NDF:19.9/22
Left: 6.293+/-285.443 χ²/NDF: 55.3/46
Right: 15.405+/-342.415 χ²/NDF: 59.0/52
In: 114.112+/-312.057 χ²/NDF:48.5/47
Out: -91.445+/-308.121 χ²/NDF:65.5/51
All: 10.029+/-219.253 χ²/NDF: 114.3/99



Right In: 1814.658+/-0.346 χ^2/NDF: 728847.1/24

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

Right Out: 1835.367+/-0.339 χ^2/NDF: 409632.7/27

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

Left: 1734.140+/-0.202 χ^2/NDF: 3087.9/46

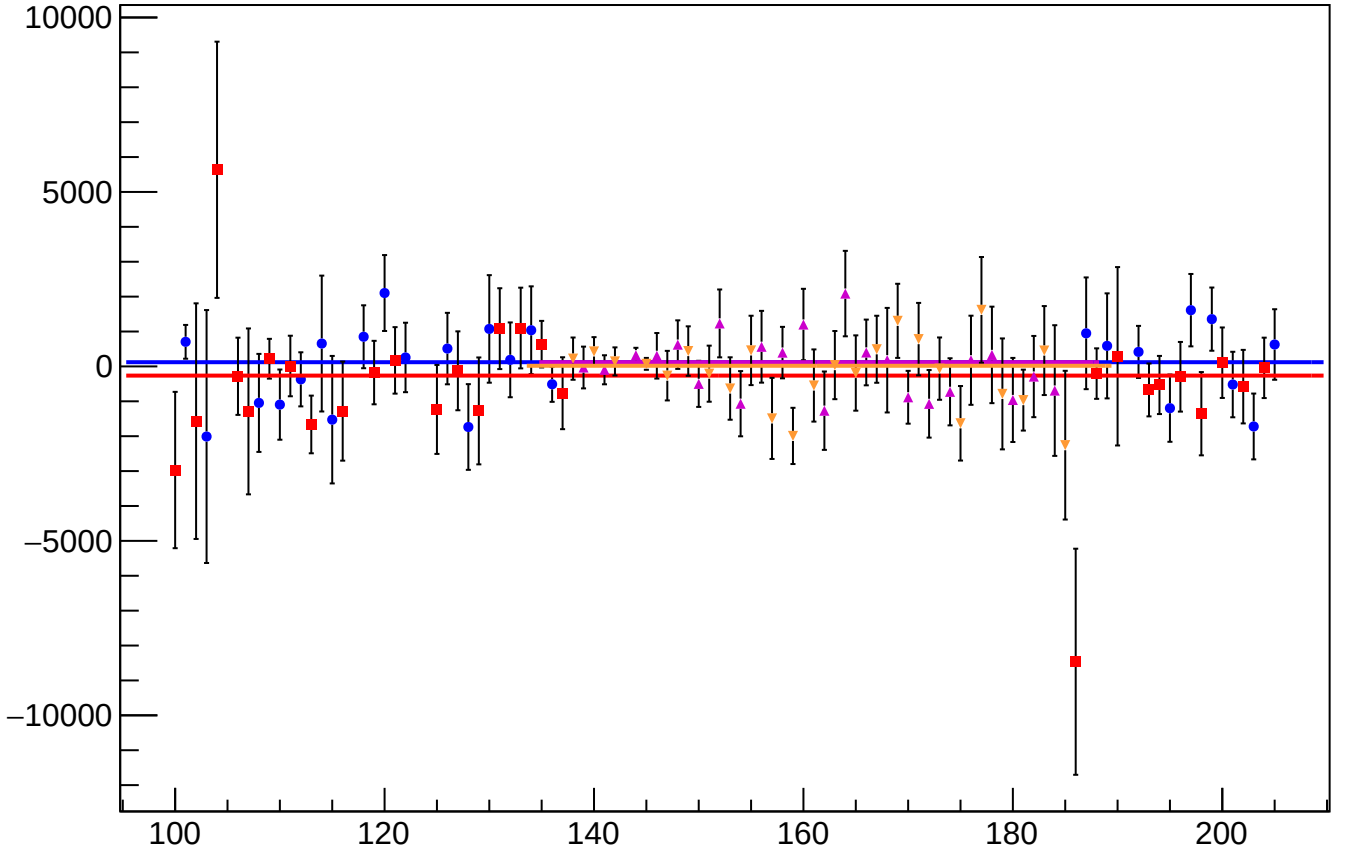
Right: 1825.232+/-0.242 χ^2/NDF: 1140307.8/52

In: 1767.265+/-0.221 χ^2/NDF:762613.8/47

Out: 1775.604+/-0.218 χ^2/NDF:463569.5/51

All: 1771.488+/-0.155 χ^2/NDF: 1226906.4/99

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 120.648+/-189.943 χ^2/NDF: 25.0/24

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

Right Out: -263.468+/-193.181 χ^2/NDF: 22.6/27

Left In: 121.706+/-137.150 χ^2/NDF:16.5/22

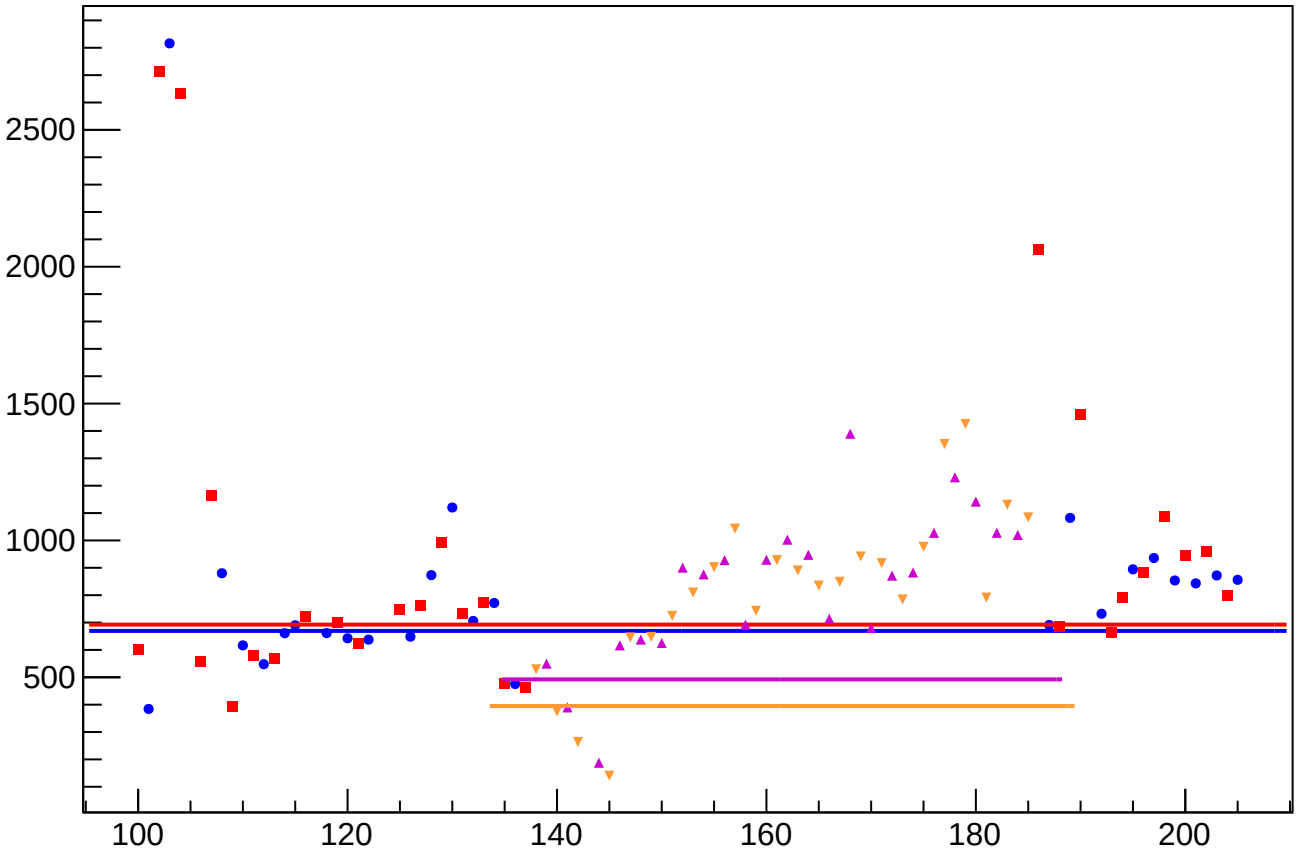
Left: 62.698+/-90.026 χ^2/NDF: 36.2/46

Right: -68.163+/-135.440 χ^2/NDF: 49.6/52

In: 121.343+/-111.193 χ^2/NDF:41.5/47

Out: -59.721+/-101.525 χ^2/NDF:43.6/51

All: 22.598+/-74.974 χ^2/NDF: 86.5/99



Right In: 669.498+/-0.134 χ^2/NDF: 2754954.1/24

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 692.473+/-0.137 χ^2/NDF: 3588471.5/27

Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

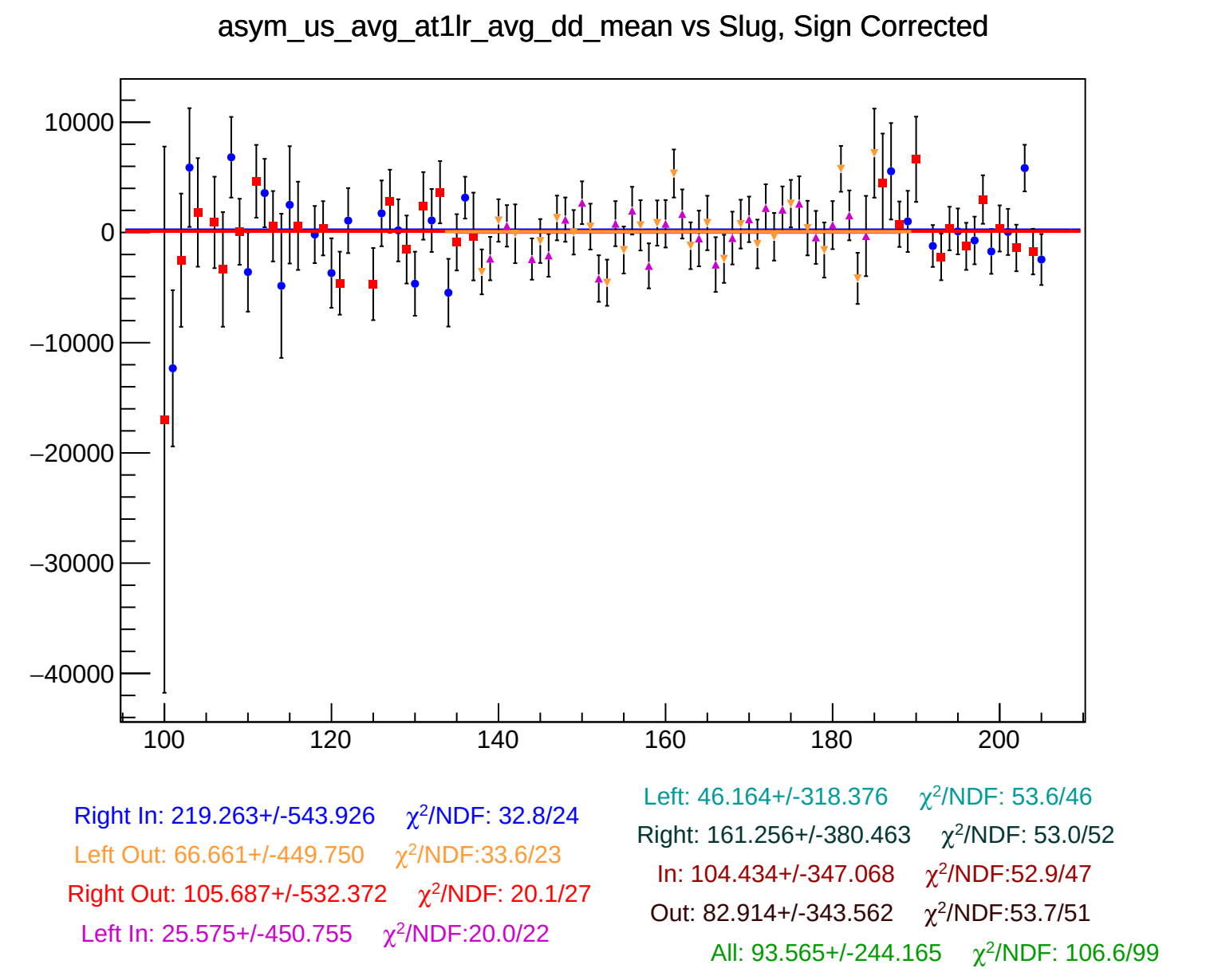
Left: 437.028+/-0.064 χ^2/NDF: 25324612.8/46

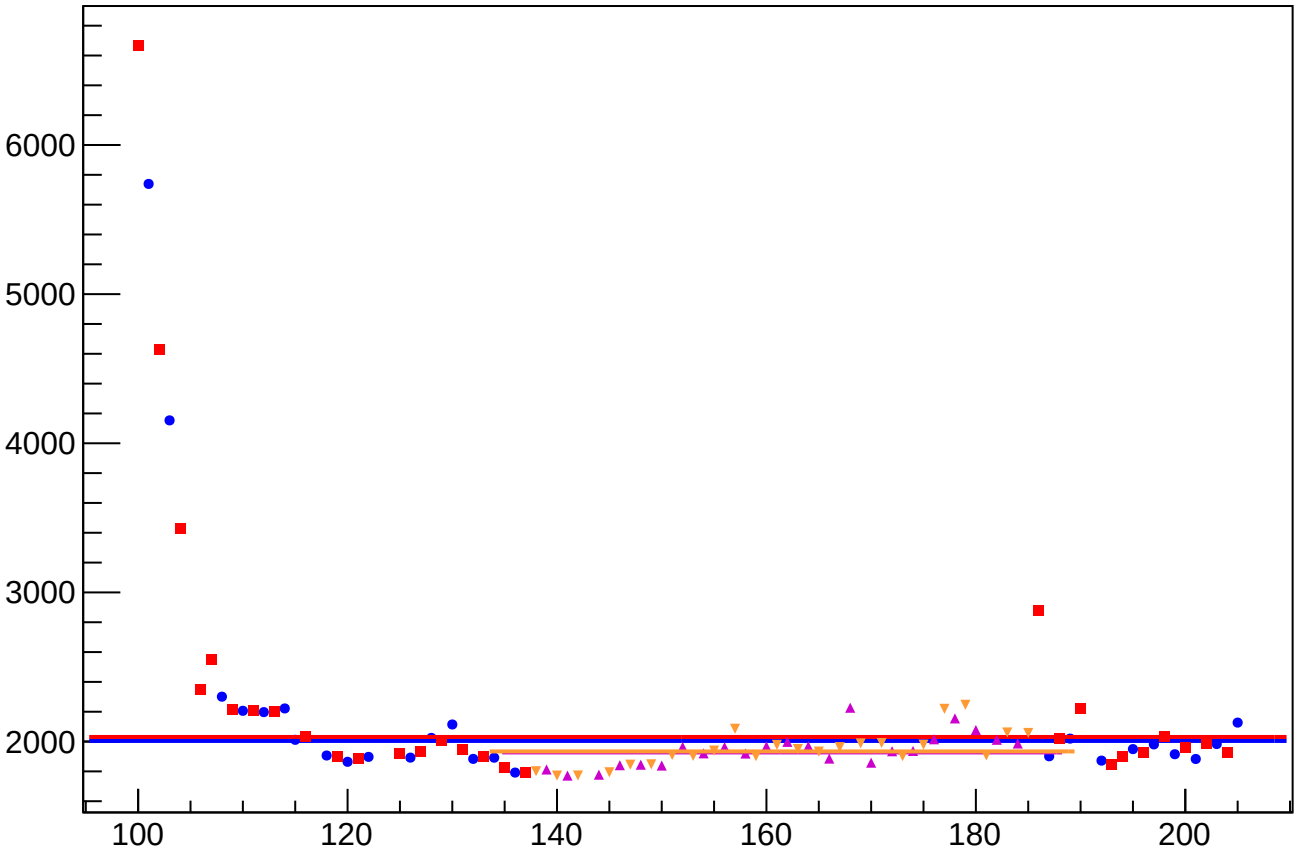
Right: 680.791+/-0.096 χ^2/NDF: 6357809.3/52

In: 553.022+/-0.079 χ^2/NDF:14318640.3/47

Out: 477.296+/-0.072 χ^2/NDF:21351138.1/51

All: 511.724+/-0.053 χ^2/NDF: 36175644.5/99


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: 219.263+/-543.926 χ²/NDF: 32.8/24
Left Out: 66.661+/-449.750 χ²/NDF:33.6/23
Right Out: 105.687+/-532.372 χ²/NDF: 20.1/27
Left In: 25.575+/-450.755 χ²/NDF:20.0/22
Left: 46.164+/-318.376 χ²/NDF: 53.6/46
Right: 161.256+/-380.463 χ²/NDF: 53.0/52
In: 104.434+/-347.068 χ²/NDF:52.9/47
Out: 82.914+/-343.562 χ²/NDF:53.7/51
All: 93.565+/-244.165 χ²/NDF: 106.6/99



Right In: 2004.116+/-0.385 χ^2/NDF: 978435.3/24

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

Right Out: 2030.773+/-0.376 χ^2/NDF: 805558.5/27

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

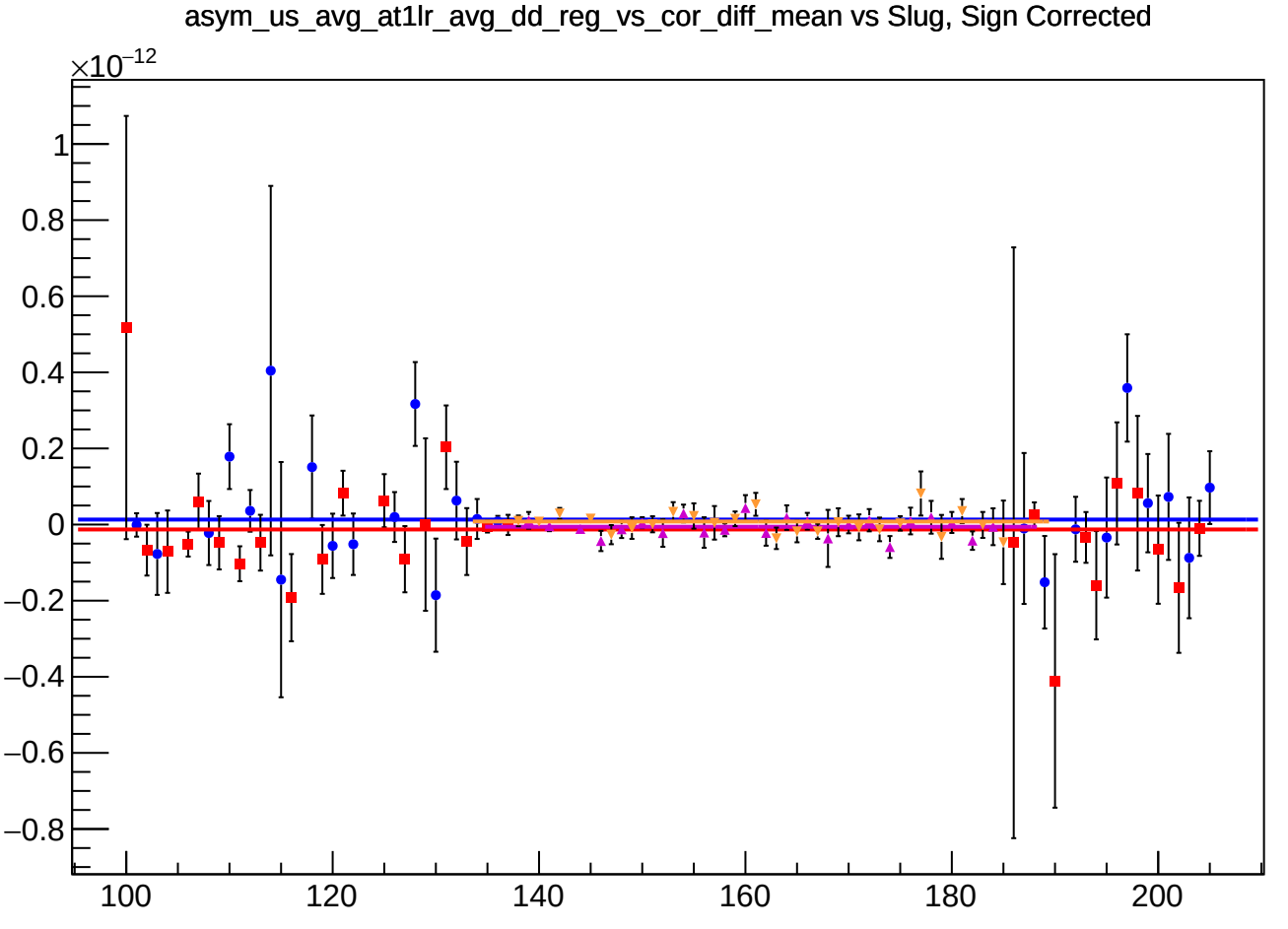
Left: 1930.472+/-0.225 χ^2/NDF: 245187.9/46

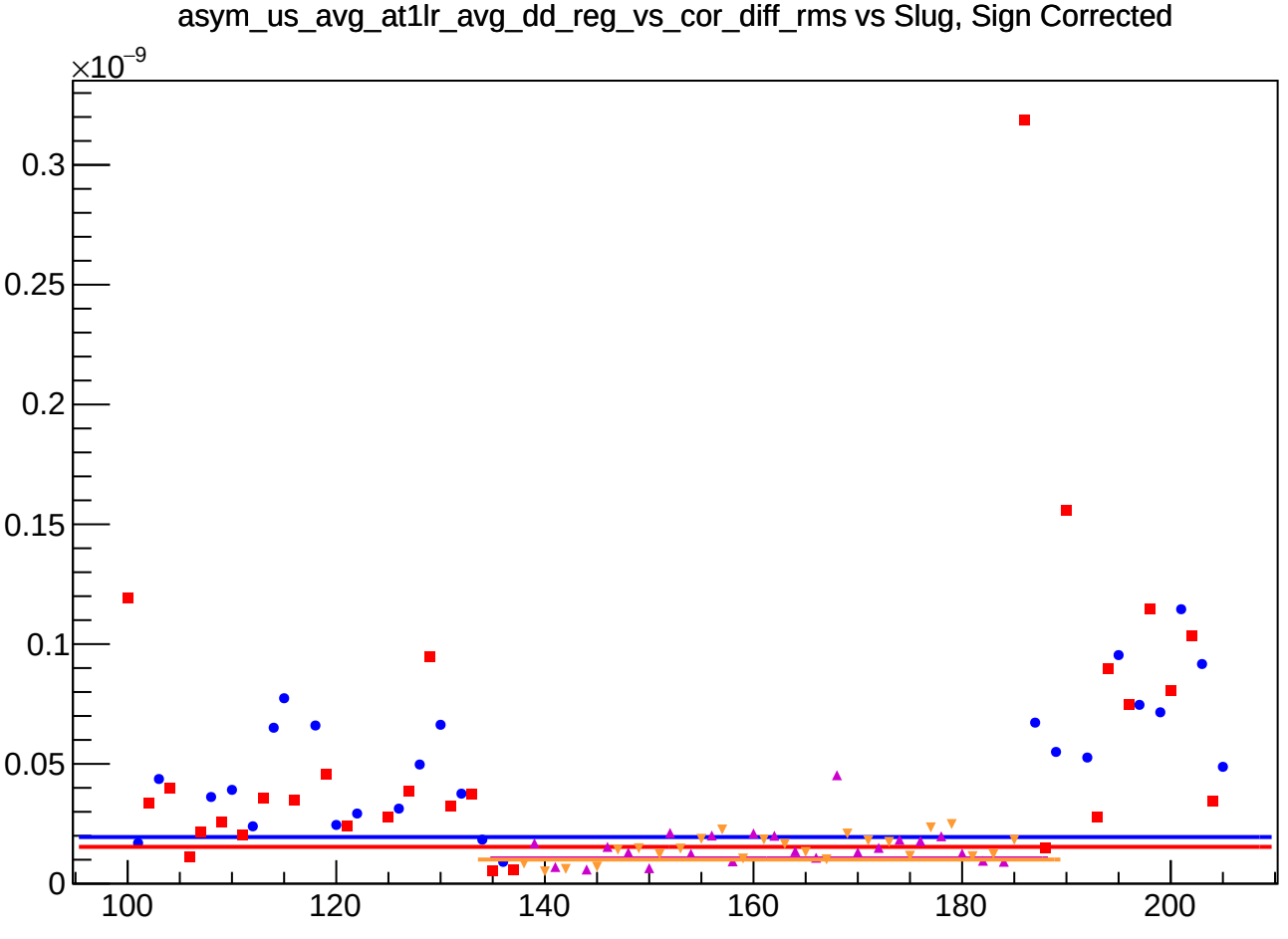
Right: 2017.730+/-0.269 χ^2/NDF: 1786447.3/52

In: 1958.471+/-0.245 χ^2/NDF:1118627.4/47

Out: 1974.188+/-0.243 χ^2/NDF:972809.7/51

All: 1966.410+/-0.173 χ^2/NDF: 2093508.6/99


asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: 0.000+/-0.000 χ²/NDF:17.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 26.6/27
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: 57.2/52
In: -0.000+/-0.000 χ²/NDF:46.7/47
Out: 0.000+/-0.000 χ²/NDF:47.8/51
All: 0.000+/-0.000 χ²/NDF: 96.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 5070562.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5722231.7/27

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

Left: 0.000+/-0.000 χ^2/NDF: 4866060.2/46

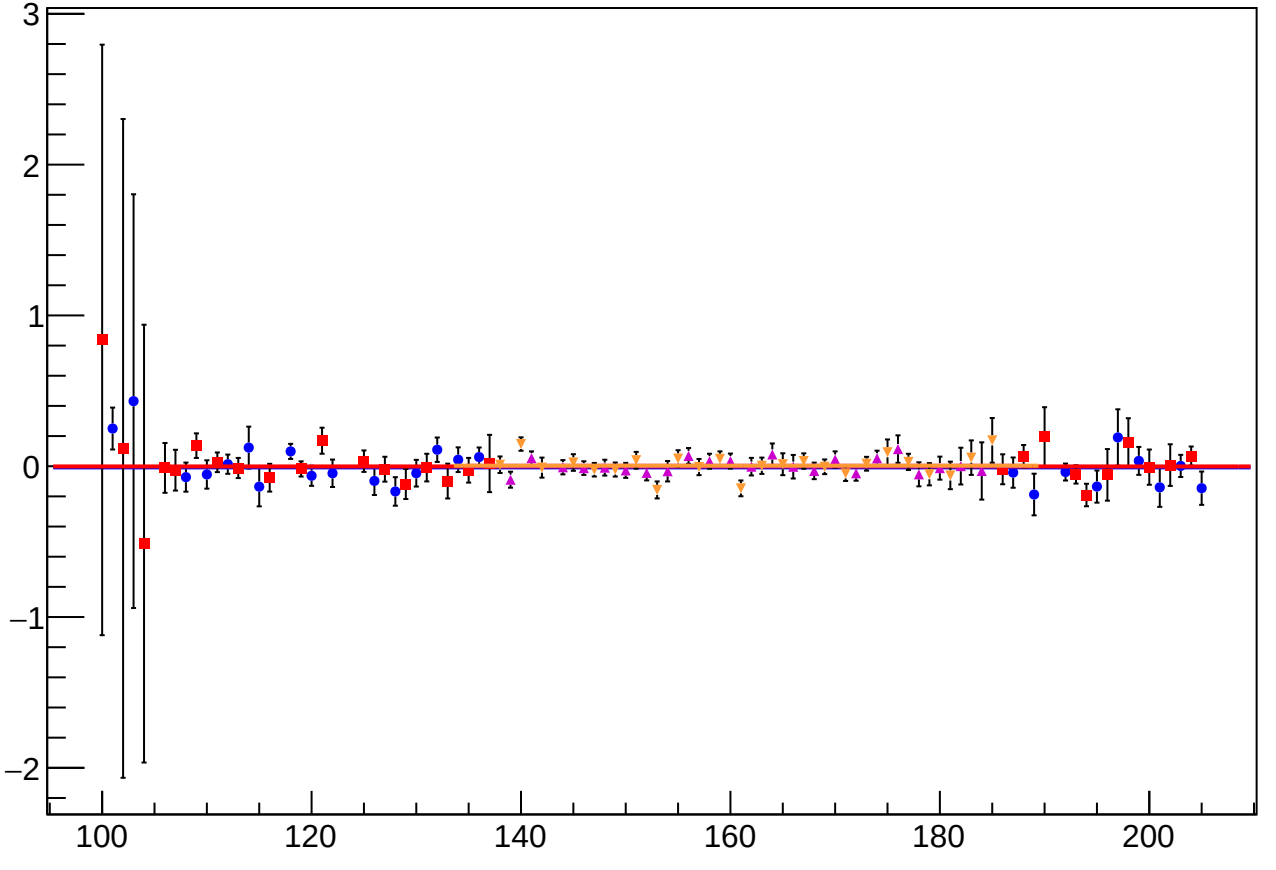
Right: 0.000+/-0.000 χ^2/NDF: 10945511.2/52

In: 0.000+/-0.000 χ^2/NDF:8736238.4/47

Out: 0.000+/-0.000 χ^2/NDF:8479320.7/51

All: 0.000+/-0.000 χ^2/NDF: 17262128.1/99

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

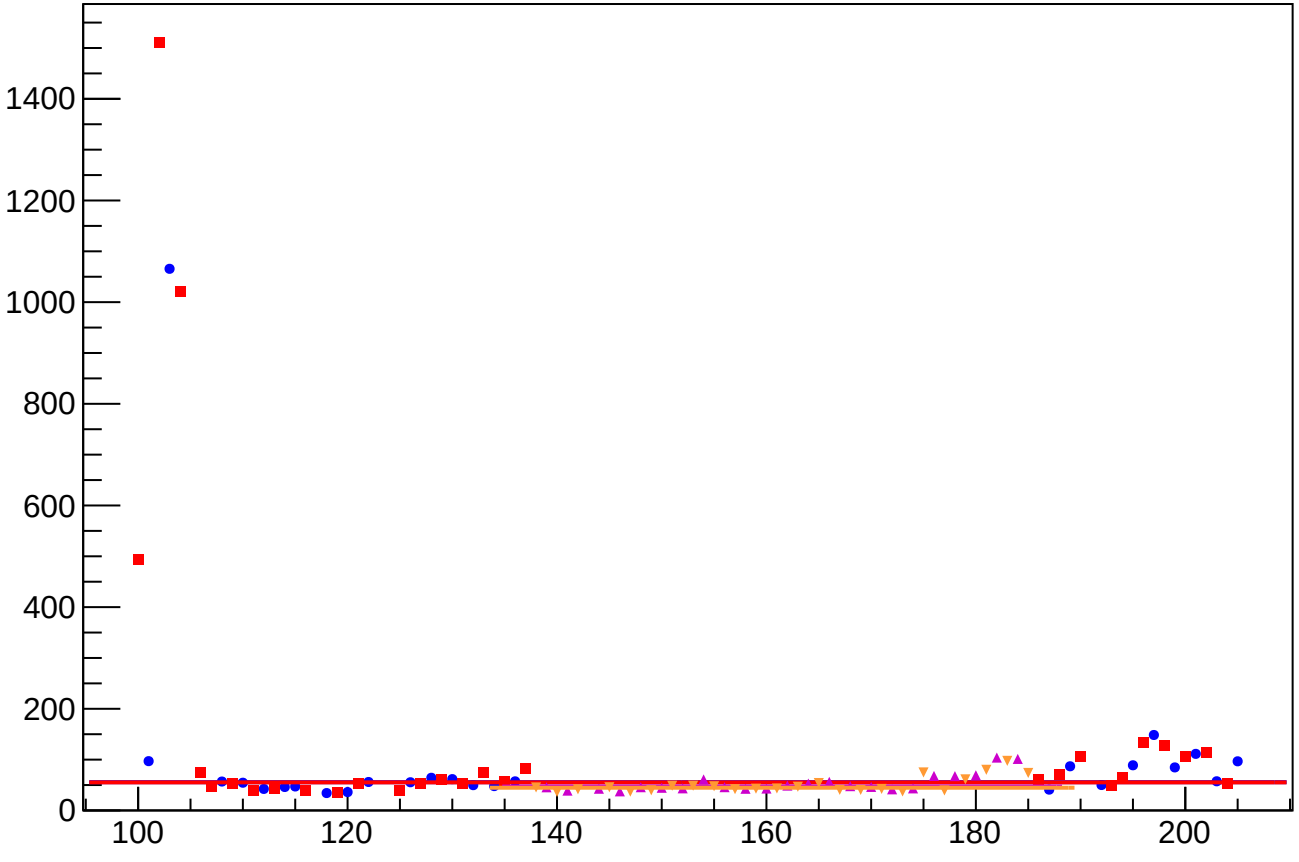
Right: -0.005+/-0.012 χ^2/NDF: 48.7/52

In: -0.001+/-0.010 χ^2/NDF:41.4/47

Out: 0.002+/-0.010 χ^2/NDF:57.0/51

All: 0.001+/-0.007 χ^2/NDF: 98.5/99

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.647+/-0.012 χ^2/NDF: 3655025.9/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.243+/-0.012 χ^2/NDF: 4533592.9/27

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

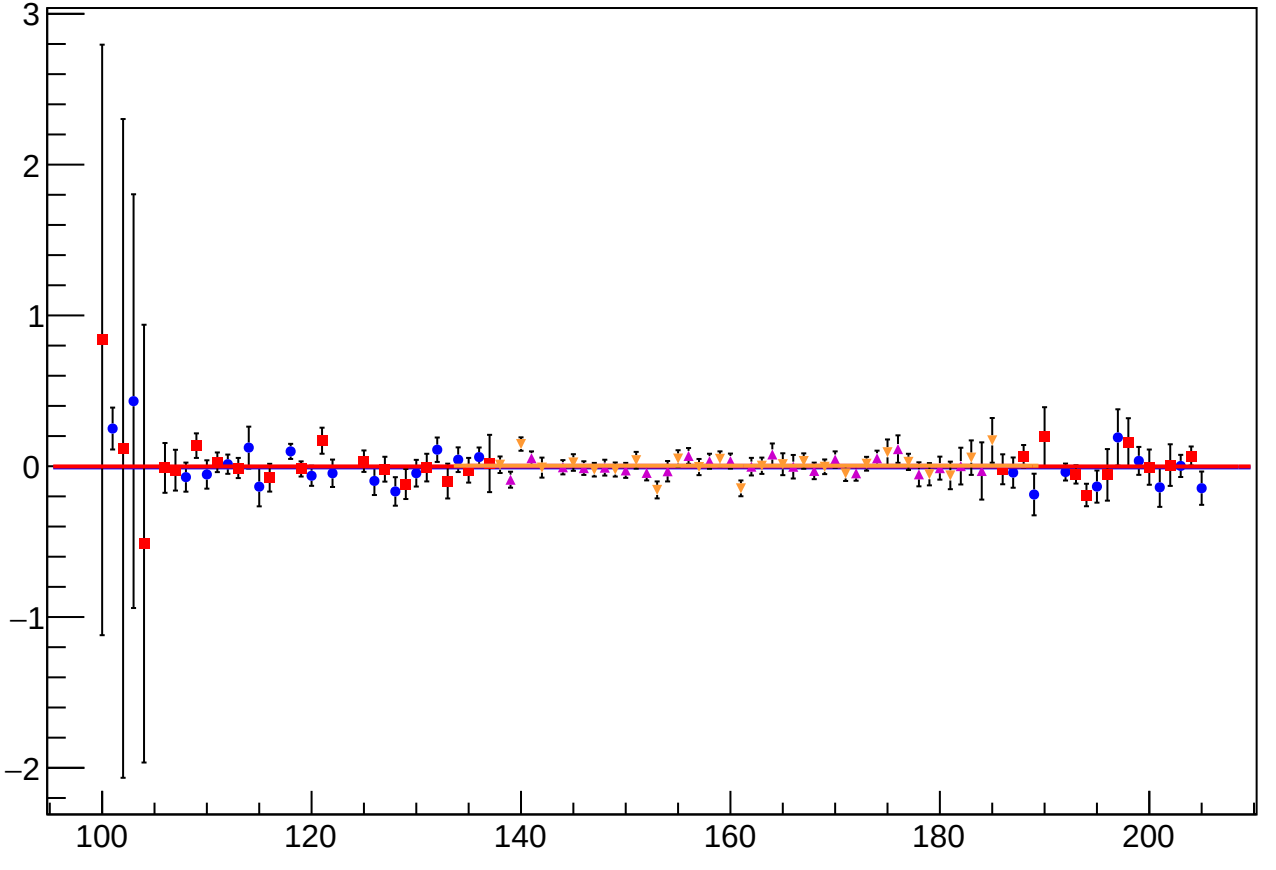
Right: 55.443+/-0.009 χ^2/NDF: 8189163.2/52

In: 49.793+/-0.007 χ^2/NDF:5371554.6/47

Out: 47.977+/-0.007 χ^2/NDF:6530066.2/51

All: 48.859+/-0.005 χ^2/NDF: 11936613.3/99

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

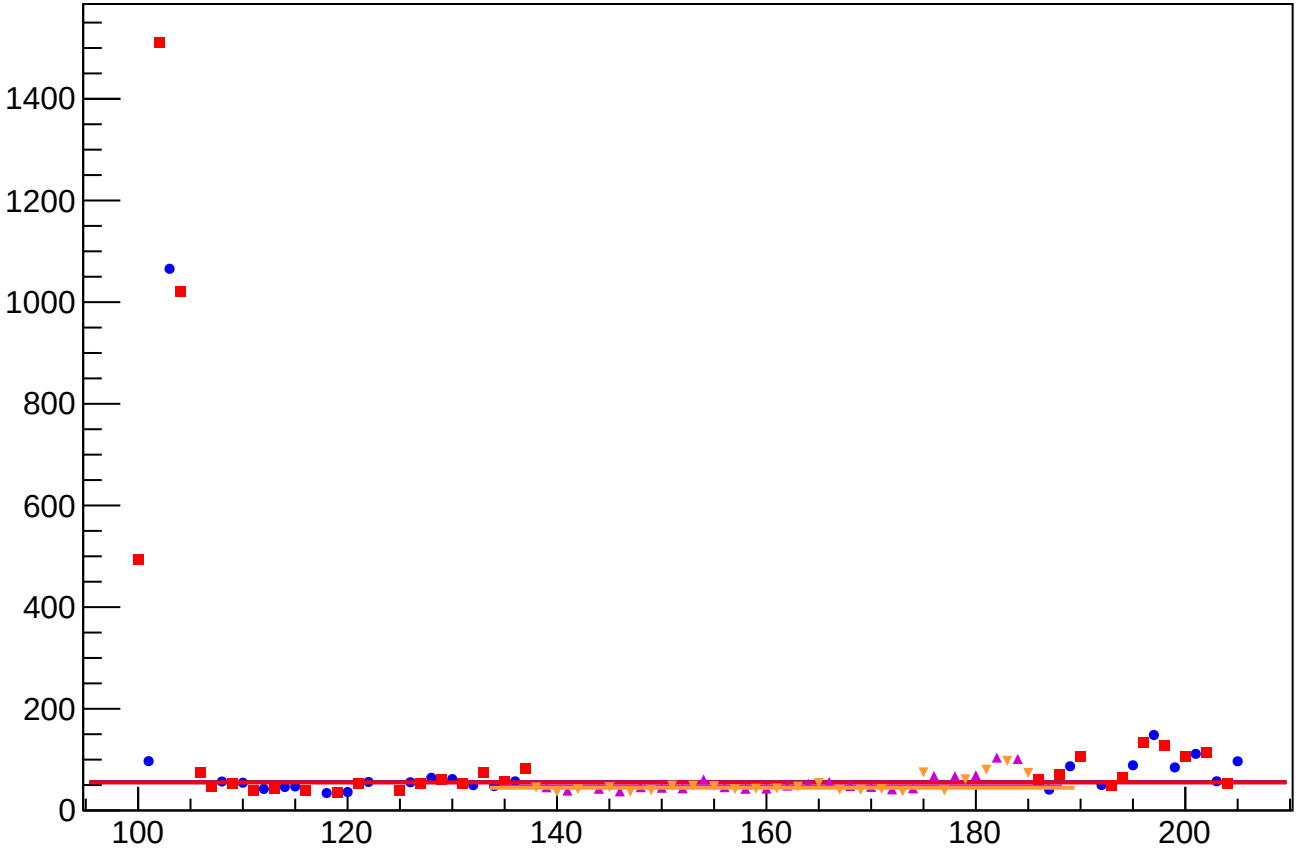
Right: -0.005+/-0.012 χ^2/NDF: 48.7/52

In: -0.001+/-0.010 χ^2/NDF:41.4/47

Out: 0.002+/-0.010 χ^2/NDF:57.0/51

All: 0.001+/-0.007 χ^2/NDF: 98.5/99

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.647+/-0.012 χ^2/NDF: 3655025.9/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

Right Out: 55.243+/-0.012 χ^2/NDF: 4533592.9/27

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

Left: 45.841+/-0.006 χ^2/NDF: 2902954.4/46

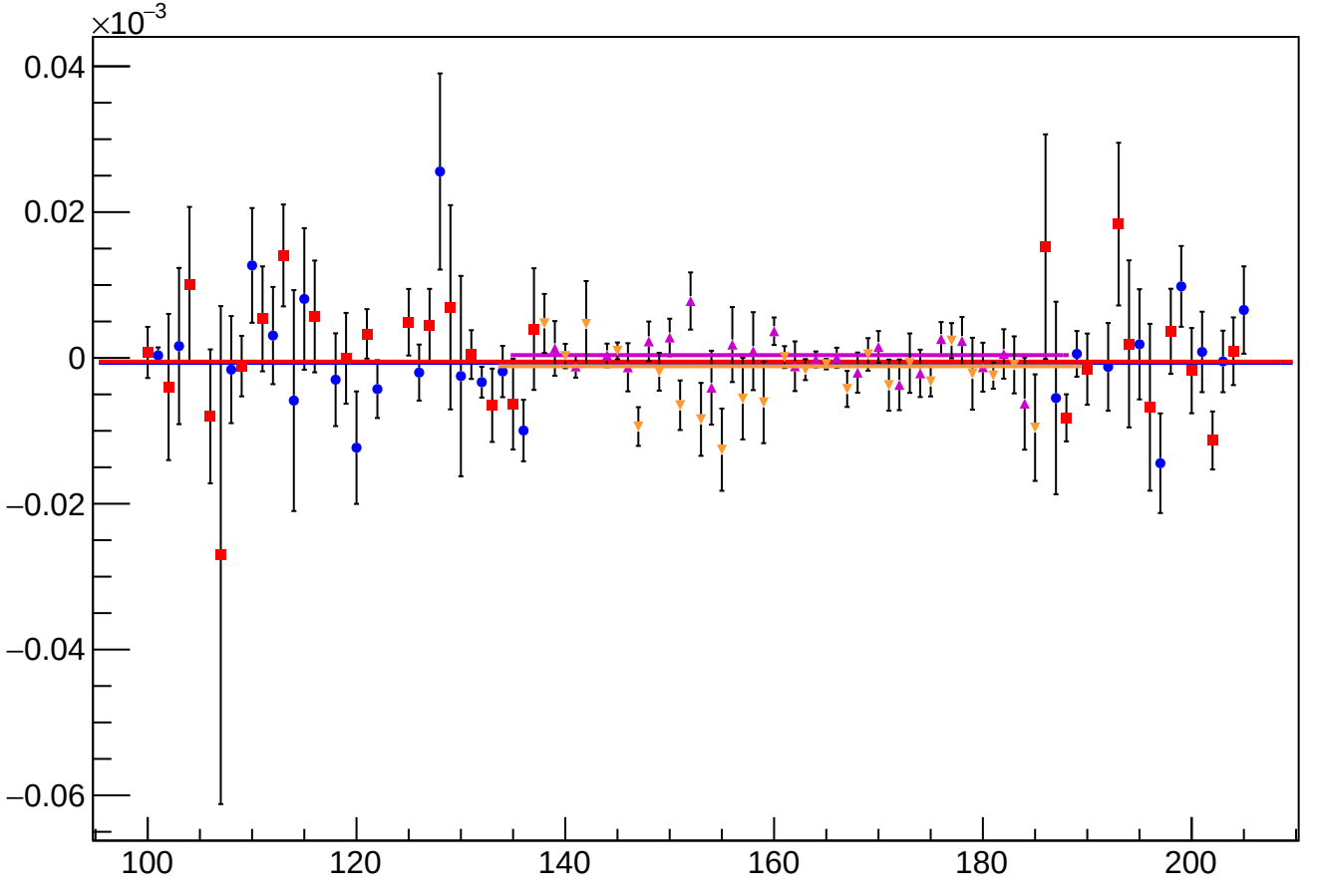
Right: 55.443+/-0.009 χ^2/NDF: 8189163.2/52

In: 49.793+/-0.007 χ^2/NDF:5371554.6/47

Out: 47.977+/-0.007 χ^2/NDF:6530066.2/51

All: 48.859+/-0.005 χ^2/NDF: 11936613.3/99

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/27

Left In: 0.000+/-0.000 χ^2/NDF:16.3/22

Left: -0.000+/-0.000 χ^2/NDF: 57.8/46

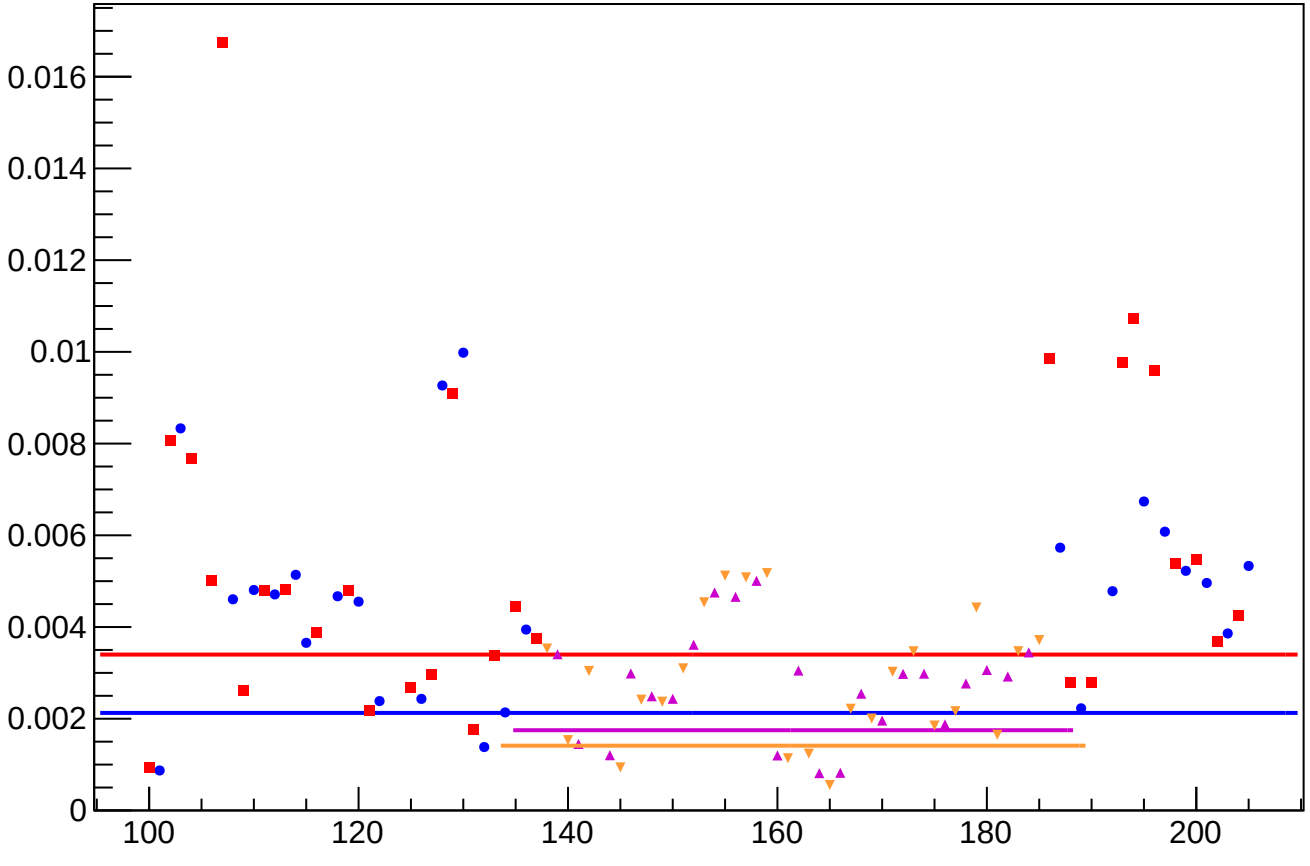
Right: -0.000+/-0.000 χ^2/NDF: 61.1/52

In: 0.000+/-0.000 χ^2/NDF:46.1/47

Out: -0.000+/-0.000 χ^2/NDF:68.8/51

All: -0.000+/-0.000 χ^2/NDF: 118.9/99

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 10557251.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 6690935.6/27

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

Left: 0.002+/-0.000 χ^2/NDF: 20381149.0/46

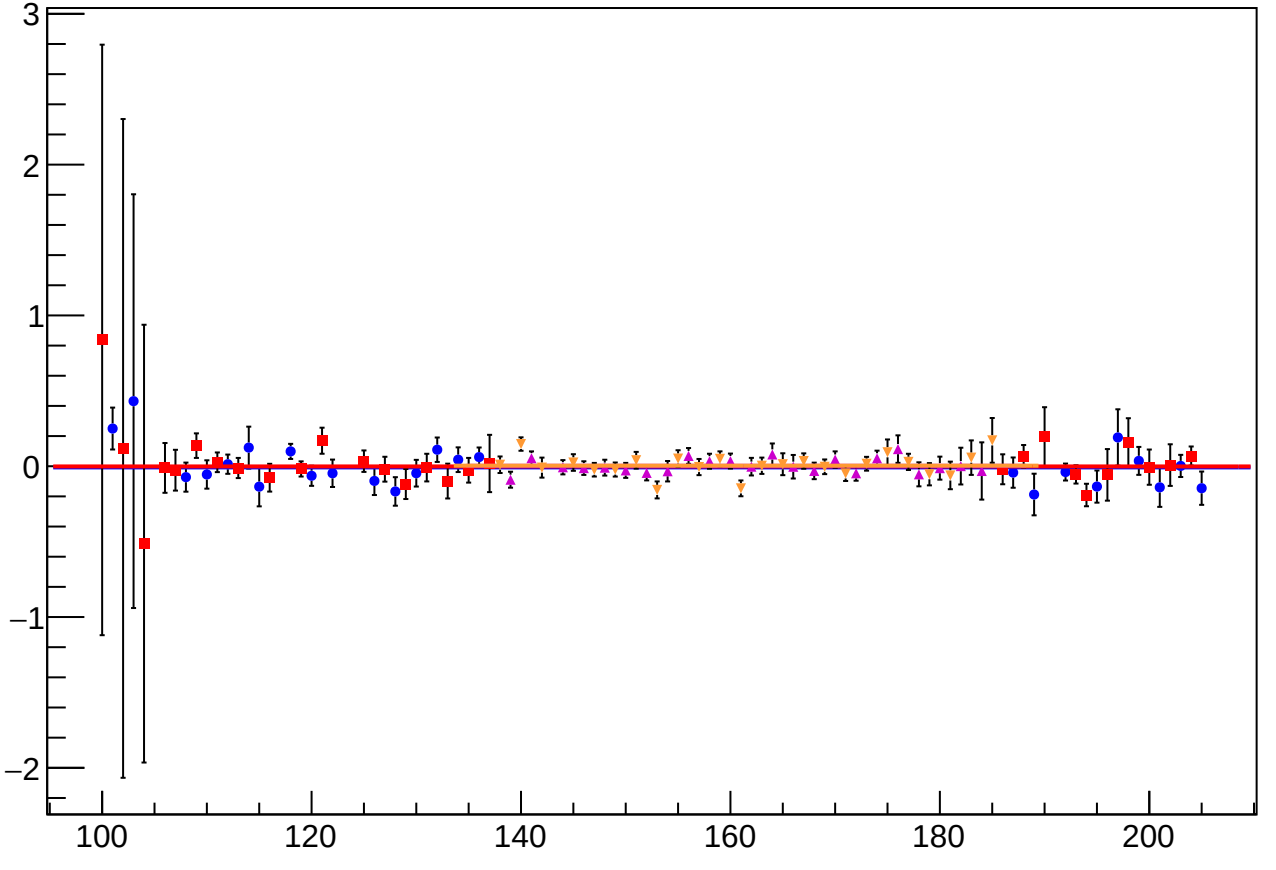
Right: 0.003+/-0.000 χ^2/NDF: 19230867.5/52

In: 0.002+/-0.000 χ^2/NDF:19150844.8/47

Out: 0.002+/-0.000 χ^2/NDF:24654899.6/51

All: 0.002+/-0.000 χ^2/NDF: 44012926.7/99

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

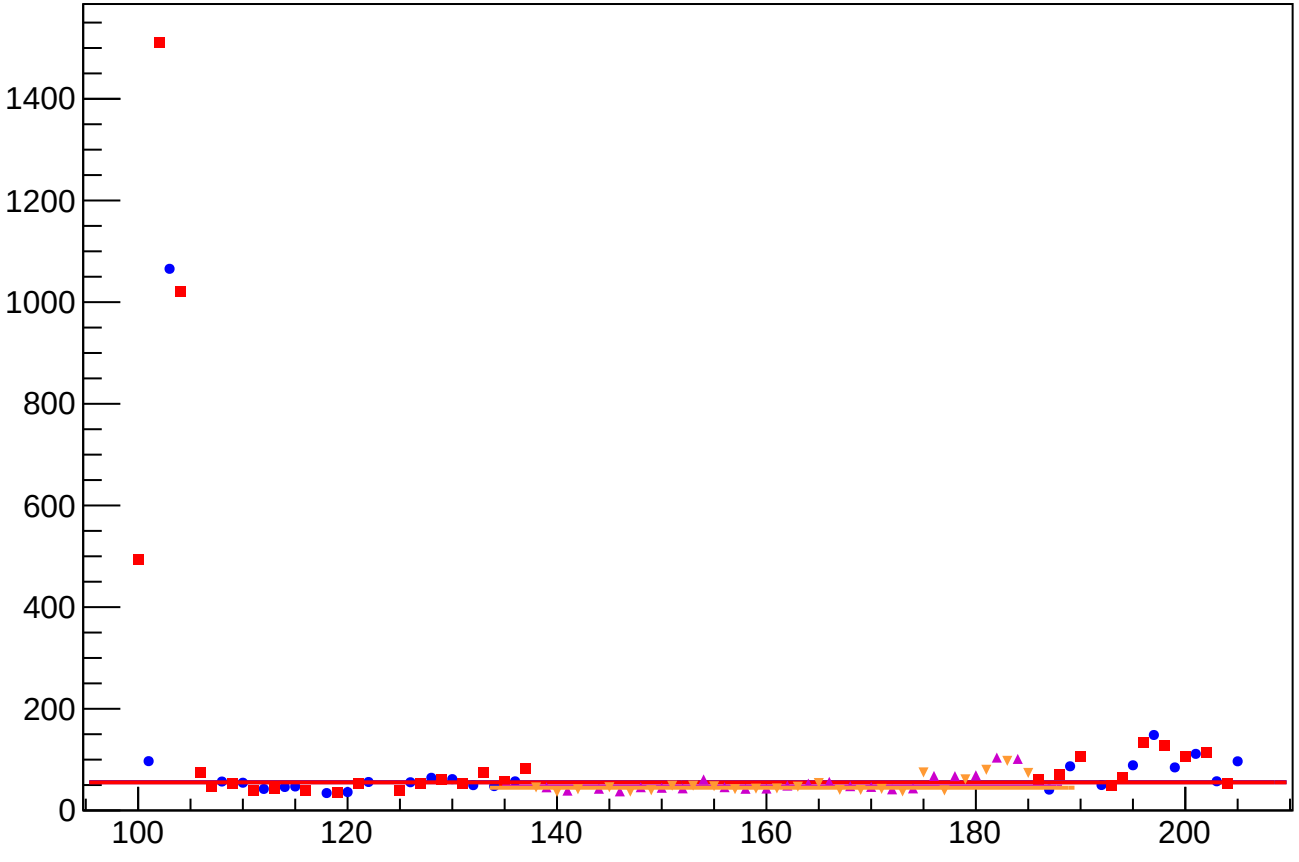
Right: -0.005+/-0.012 χ^2/NDF: 48.7/52

In: -0.001+/-0.010 χ^2/NDF:41.4/47

Out: 0.002+/-0.010 χ^2/NDF:57.0/51

All: 0.001+/-0.007 χ^2/NDF: 98.5/99

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.647+/-0.012 χ^2/NDF: 3655032.2/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.242+/-0.012 χ^2/NDF: 4533727.7/27

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

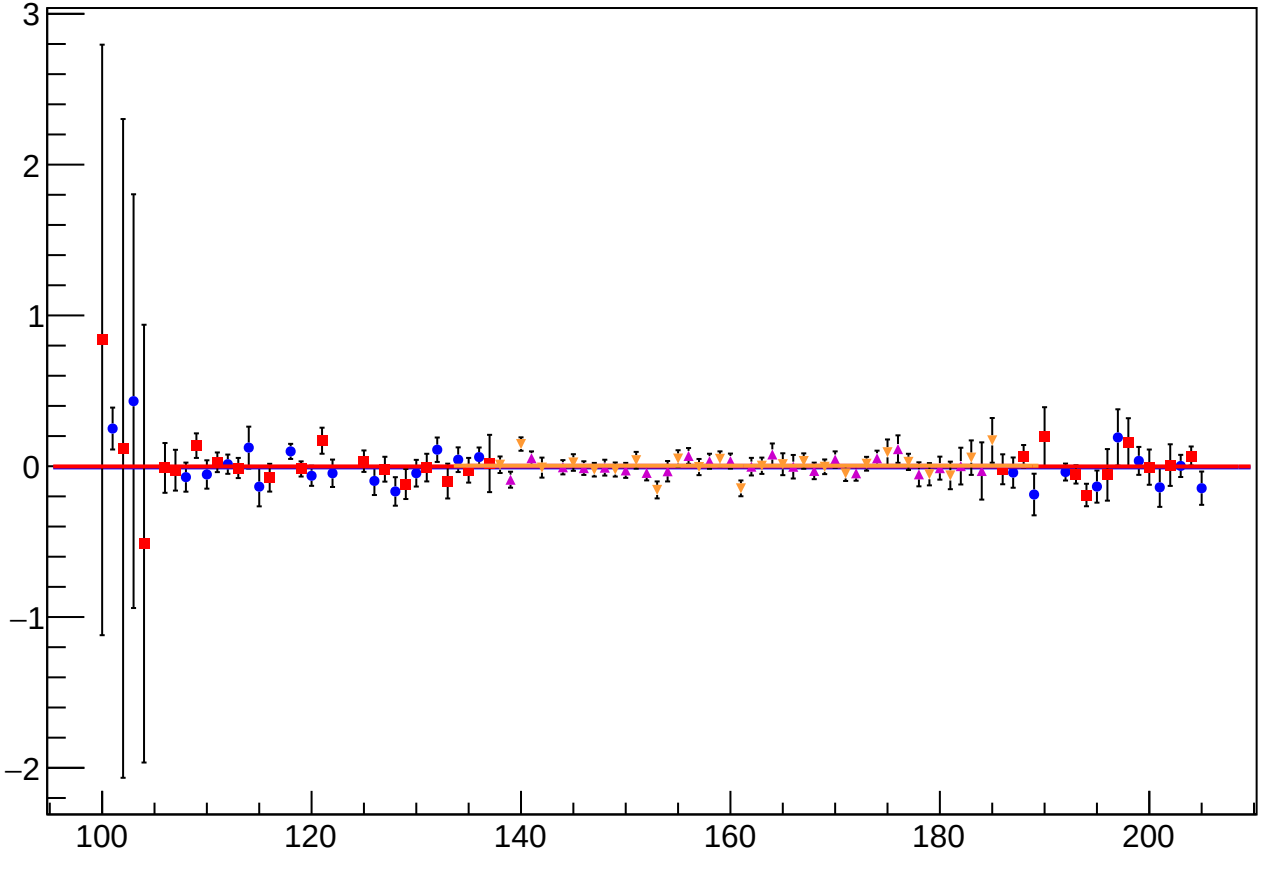
Right: 55.443+/-0.009 χ^2/NDF: 8189306.0/52

In: 49.792+/-0.007 χ^2/NDF:5371623.8/47

Out: 47.977+/-0.007 χ^2/NDF:6530093.6/51

All: 48.859+/-0.005 χ^2/NDF: 11936704.3/99

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

Right Out: -0.001+/-0.017 χ^2/NDF: 21.9/27

Left In: 0.003+/-0.012 χ^2/NDF:14.5/22

Left: 0.003+/-0.008 χ^2/NDF: 49.5/46

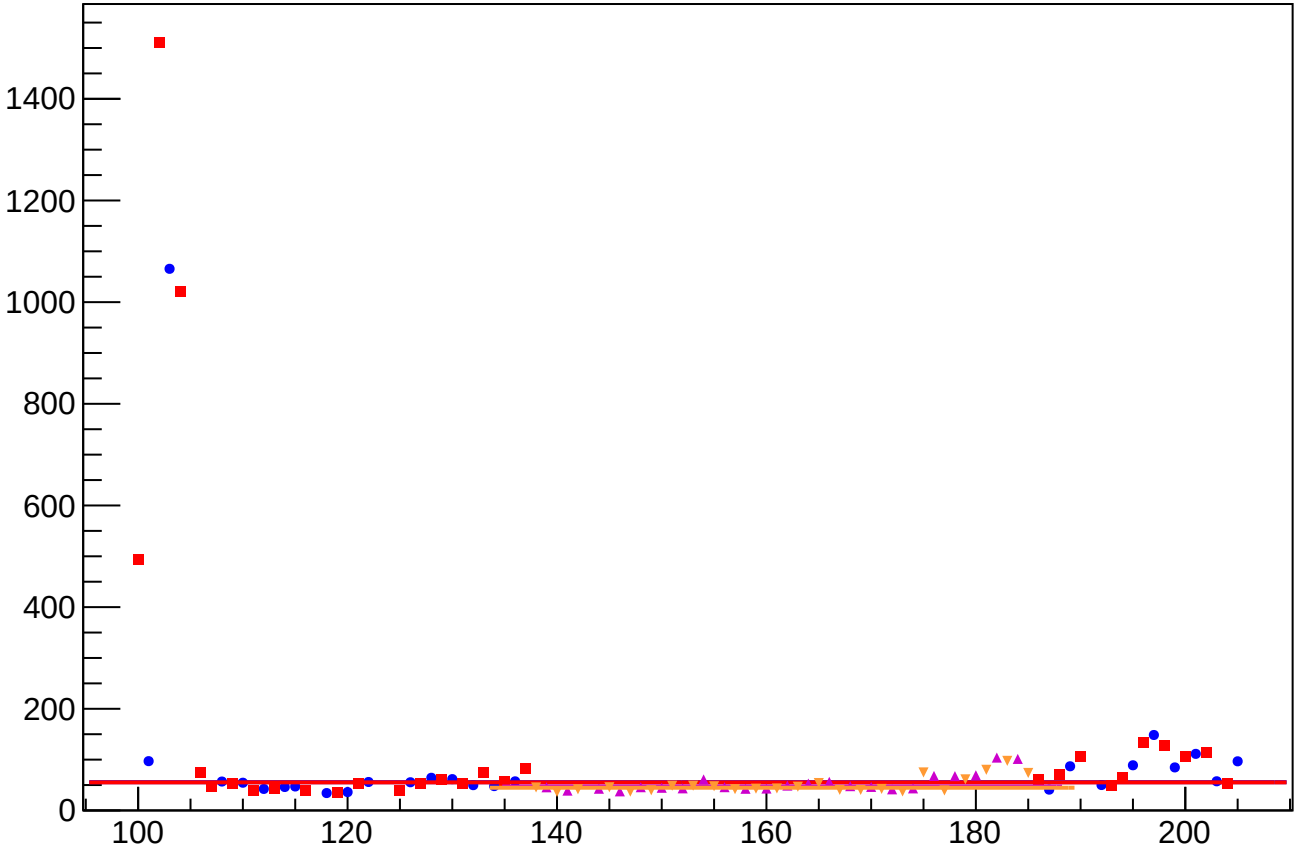
Right: -0.005+/-0.012 χ^2/NDF: 48.7/52

In: -0.001+/-0.010 χ^2/NDF:41.4/47

Out: 0.002+/-0.010 χ^2/NDF:57.0/51

All: 0.001+/-0.007 χ^2/NDF: 98.5/99

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.647+/-0.012 χ^2/NDF: 3655032.2/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.242+/-0.012 χ^2/NDF: 4533727.7/27

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

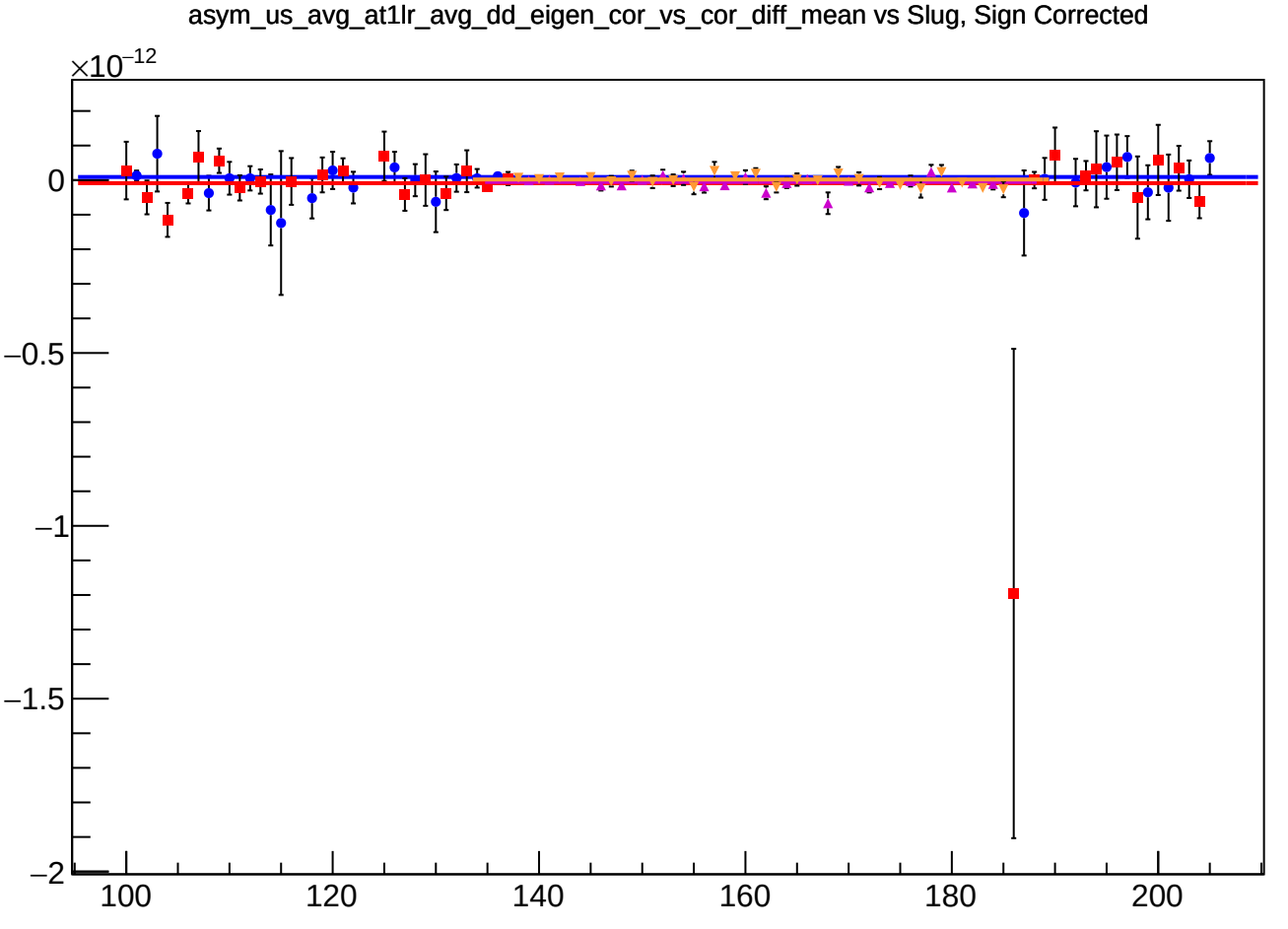
Left: 45.840+/-0.006 χ^2/NDF: 2903011.0/46

Right: 55.443+/-0.009 χ^2/NDF: 8189306.0/52

In: 49.792+/-0.007 χ^2/NDF:5371623.8/47

Out: 47.977+/-0.007 χ^2/NDF:6530093.6/51

All: 48.859+/-0.005 χ^2/NDF: 11936704.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.3/27

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 42.7/46

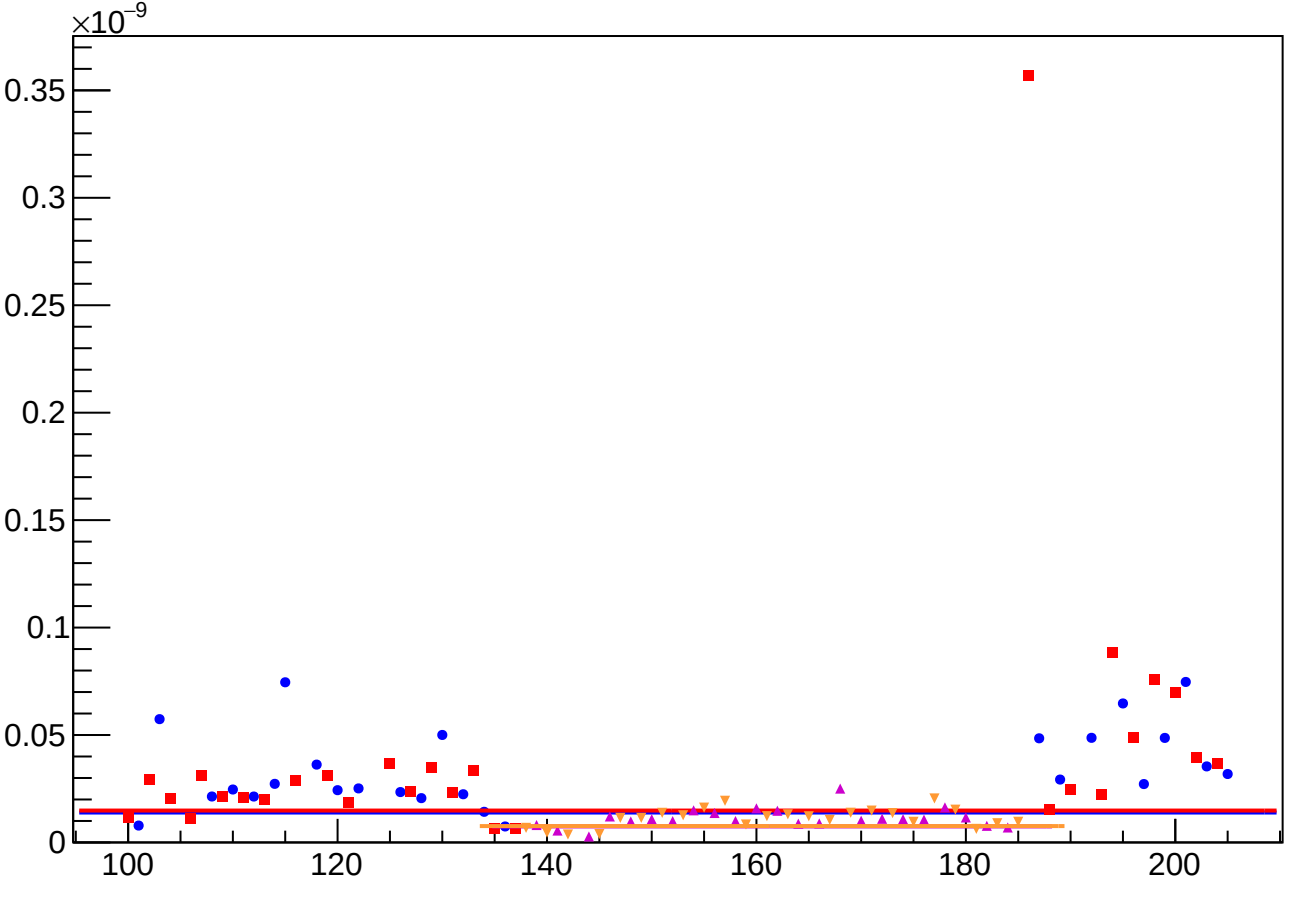
Right: 0.000+/-0.000 χ^2/NDF: 36.0/52

In: -0.000+/-0.000 χ^2/NDF:31.2/47

Out: 0.000+/-0.000 χ^2/NDF:46.2/51

All: -0.000+/-0.000 χ^2/NDF: 78.9/99

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6429614.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6715966.9/27

Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

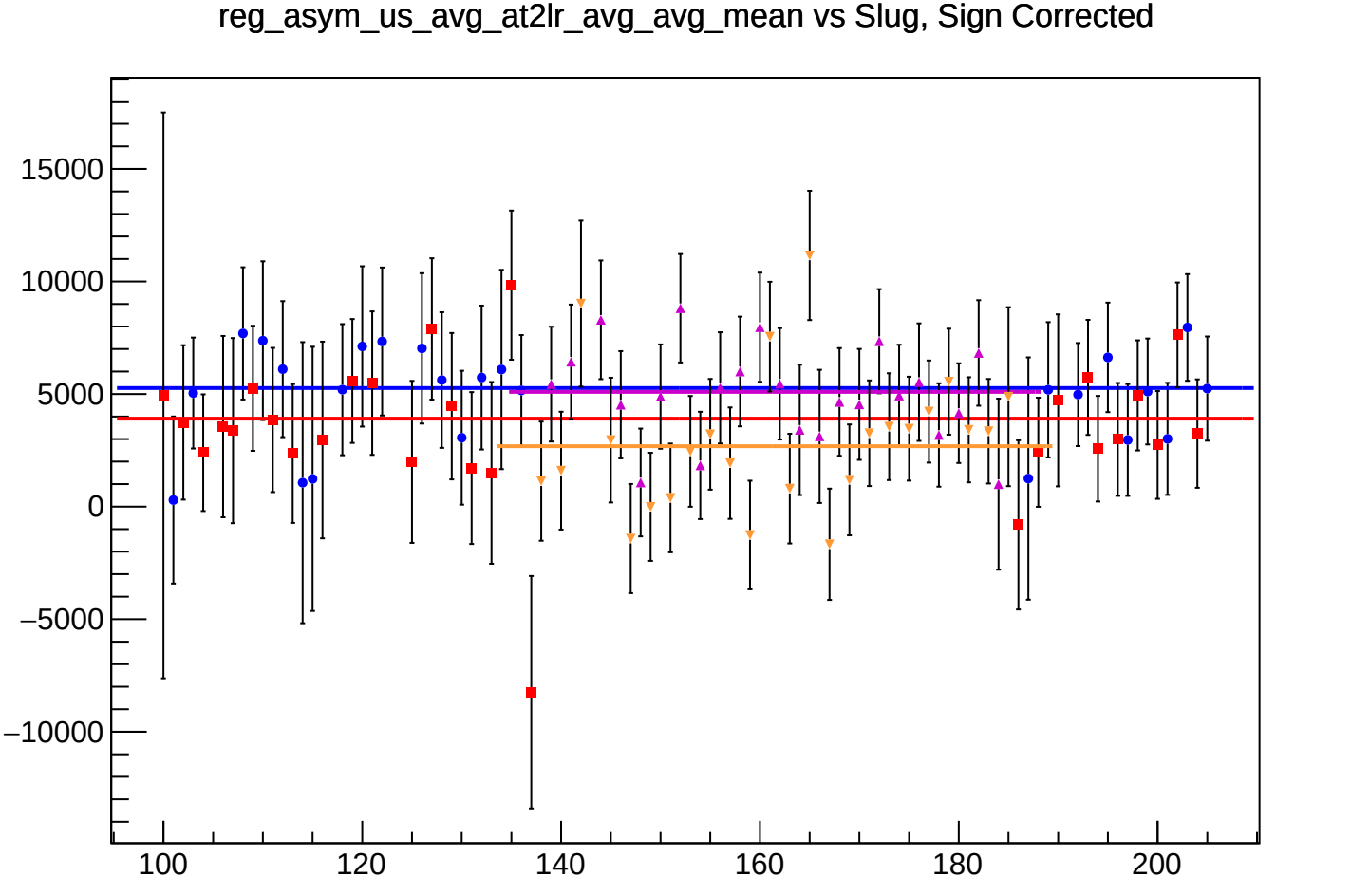
Left: 0.000+/-0.000 χ^2/NDF: 11550721.9/46

Right: 0.000+/-0.000 χ^2/NDF: 13165699.8/52

In: 0.000+/-0.000 χ^2/NDF:14202487.4/47

Out: 0.000+/-0.000 χ^2/NDF:14381306.2/51

All: 0.000+/-0.000 χ^2/NDF: 28592095.5/99



Right In: 5267.446+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: 3906.695+/-574.395 χ^2/NDF: 19.0/27

Left In: 5096.427+/-516.232 χ^2/NDF:14.9/22

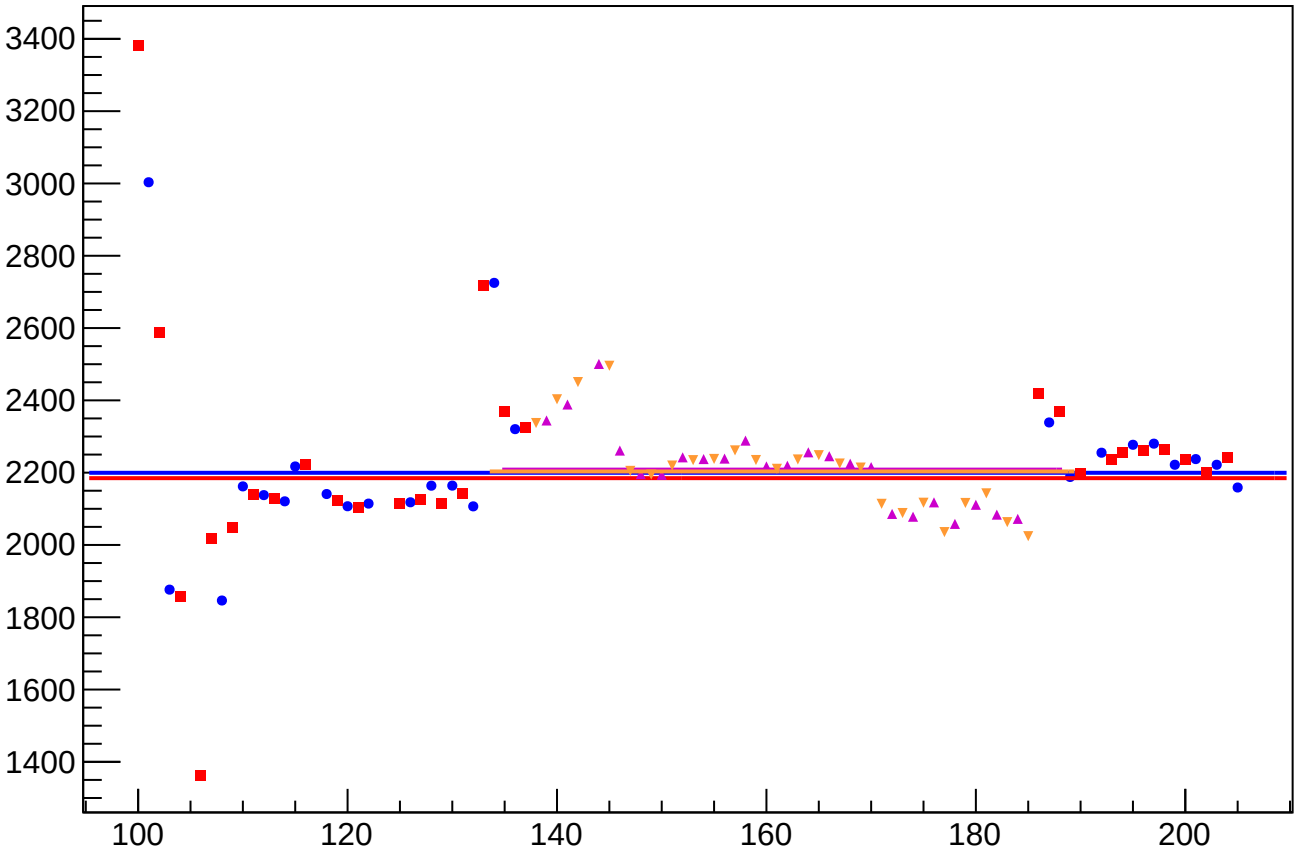
Left: 3879.762+/-363.533 χ^2/NDF: 56.8/46

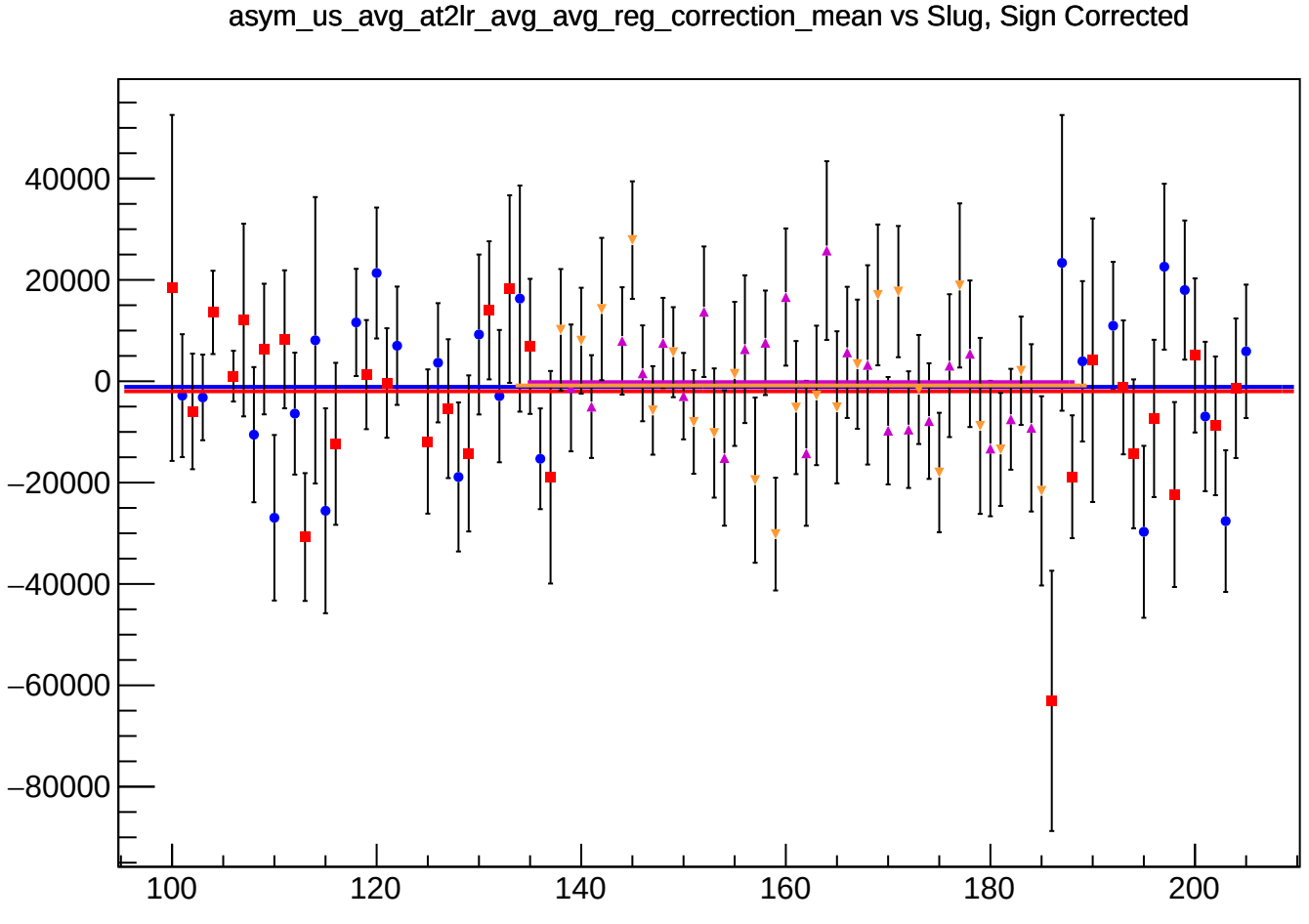
Right: 4570.810+/-410.983 χ^2/NDF: 31.0/52

In: 5170.827+/-388.021 χ^2/NDF:24.3/47

Out: 3224.749+/-382.210 χ^2/NDF:52.4/51

All: 4183.107+/-272.295 χ^2/NDF: 89.4/99


reg_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
100
120
140
160
180
200
Right In: 2199.622+/-0.416 χ²/NDF: 206677.2/24
Left Out: 2203.297+/-0.362 χ²/NDF:88208.3/23
Right Out: 2184.774+/-0.403 χ²/NDF: 312982.3/27
Left In: 2208.379+/-0.365 χ²/NDF:80994.3/22
Left: 2205.817+/-0.257 χ²/NDF: 169300.4/46
Right: 2191.960+/-0.289 χ²/NDF: 520317.0/52
In: 2204.570+/-0.274 χ²/NDF:287921.9/47
Out: 2195.021+/-0.269 χ²/NDF:402360.0/51
All: 2199.706+/-0.192 χ²/NDF: 690898.9/99



Right In: -1112.096+/-2707.944 χ^2/NDF: 27.1/24

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: -1976.285+/-2372.497 χ^2/NDF: 26.7/27

Left In: -182.426+/-2471.223 χ^2/NDF:13.8/22

Left: -506.609+/-1751.030 χ^2/NDF: 43.3/46

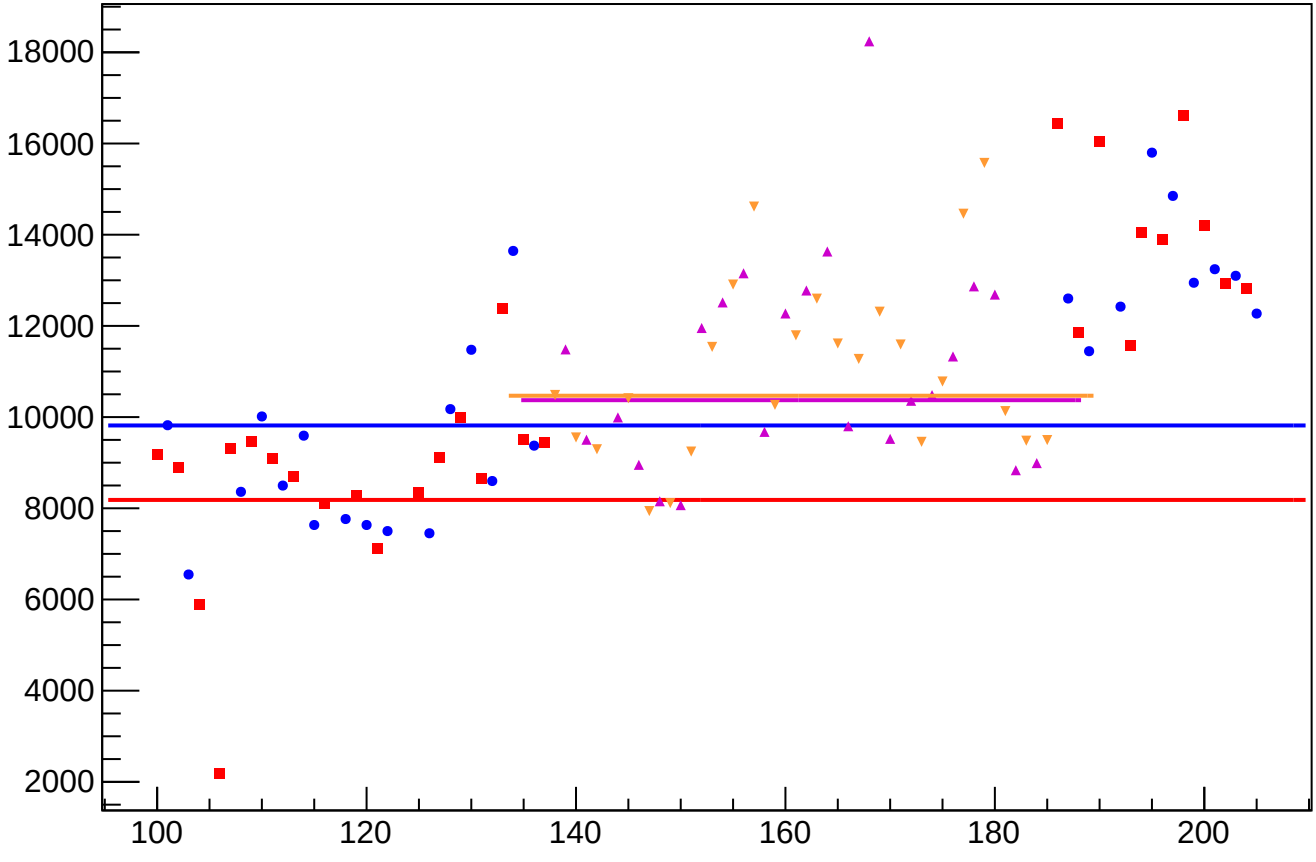
Right: -1601.003+/-1784.491 χ^2/NDF: 53.9/52

In: -604.858+/-1825.381 χ^2/NDF:41.0/47

Out: -1430.528+/-1714.839 χ^2/NDF:56.3/51

All: -1043.449+/-1249.827 χ^2/NDF: 97.4/99

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 9816.437+/-1.915 χ^2/NDF: 1720746.4/24

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8183.301+/-1.678 χ^2/NDF: 5751839.2/27

Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

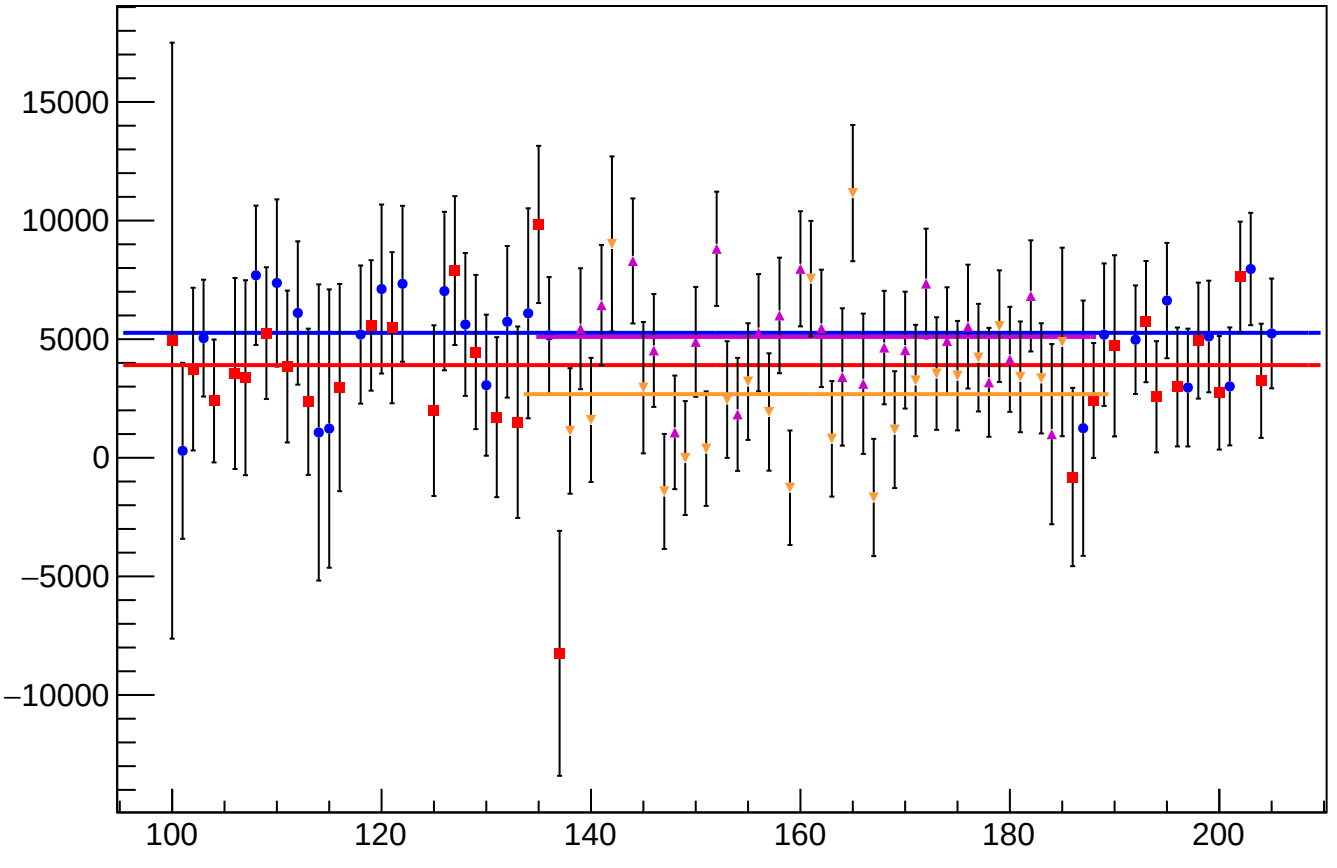
Left: 10419.584+/-1.238 χ^2/NDF: 2250574.4/46

Right: 8892.506+/-1.262 χ^2/NDF: 7884125.9/52

In: 10118.956+/-1.291 χ^2/NDF:2970252.5/47

Out: 9274.708+/-1.213 χ^2/NDF:7683360.1/51

All: 9670.496+/-0.884 χ^2/NDF: 10880868.8/9



Right In: 5267.512+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3906.547+/-574.395 χ^2/NDF: 19.0/27

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

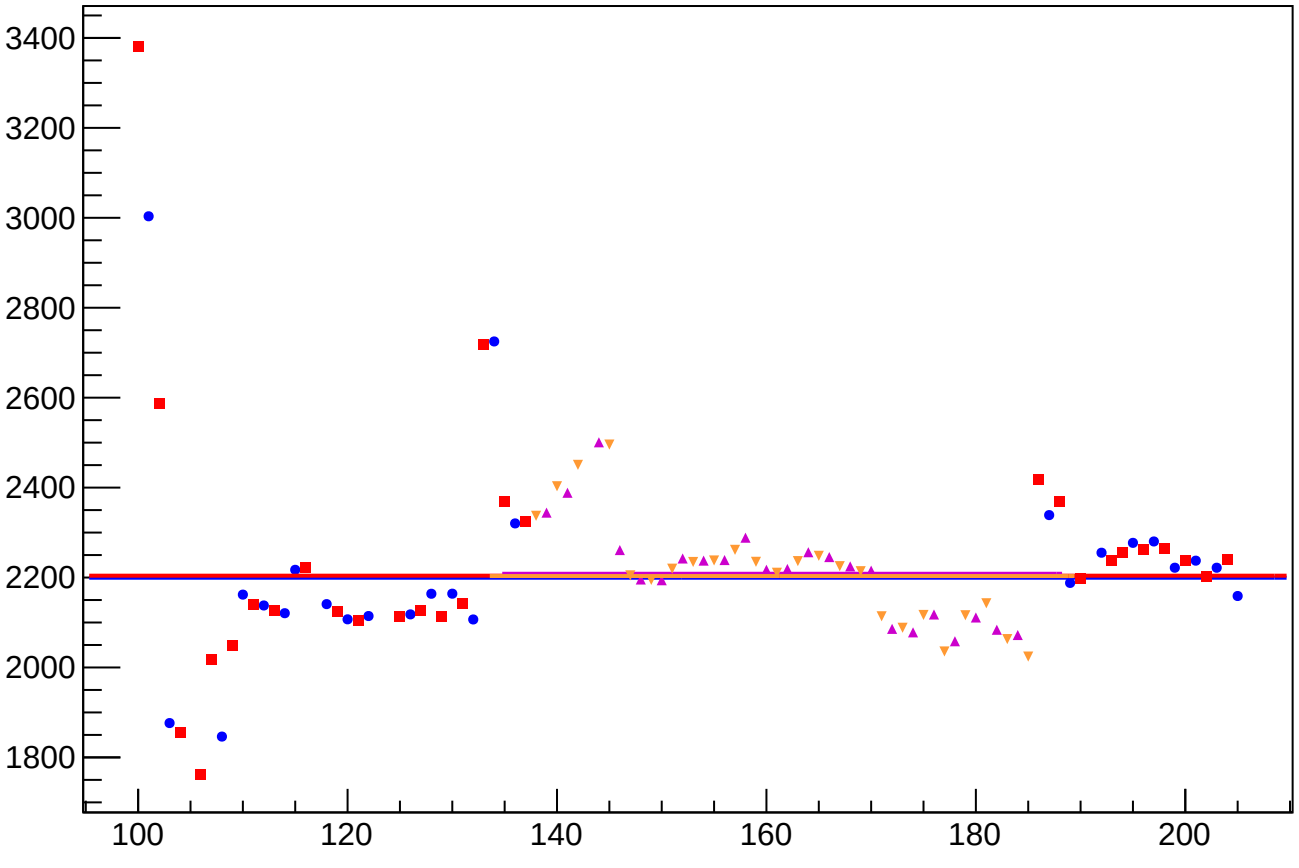
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4570.766+/-410.983 χ^2/NDF: 31.0/52

In: 5170.803+/-388.021 χ^2/NDF:24.3/47

Out: 3224.640+/-382.210 χ^2/NDF:52.4/51

All: 4183.040+/-272.295 χ^2/NDF: 89.4/99



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.6/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2204.117+/-0.405 χ^2/NDF: 188001.2/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

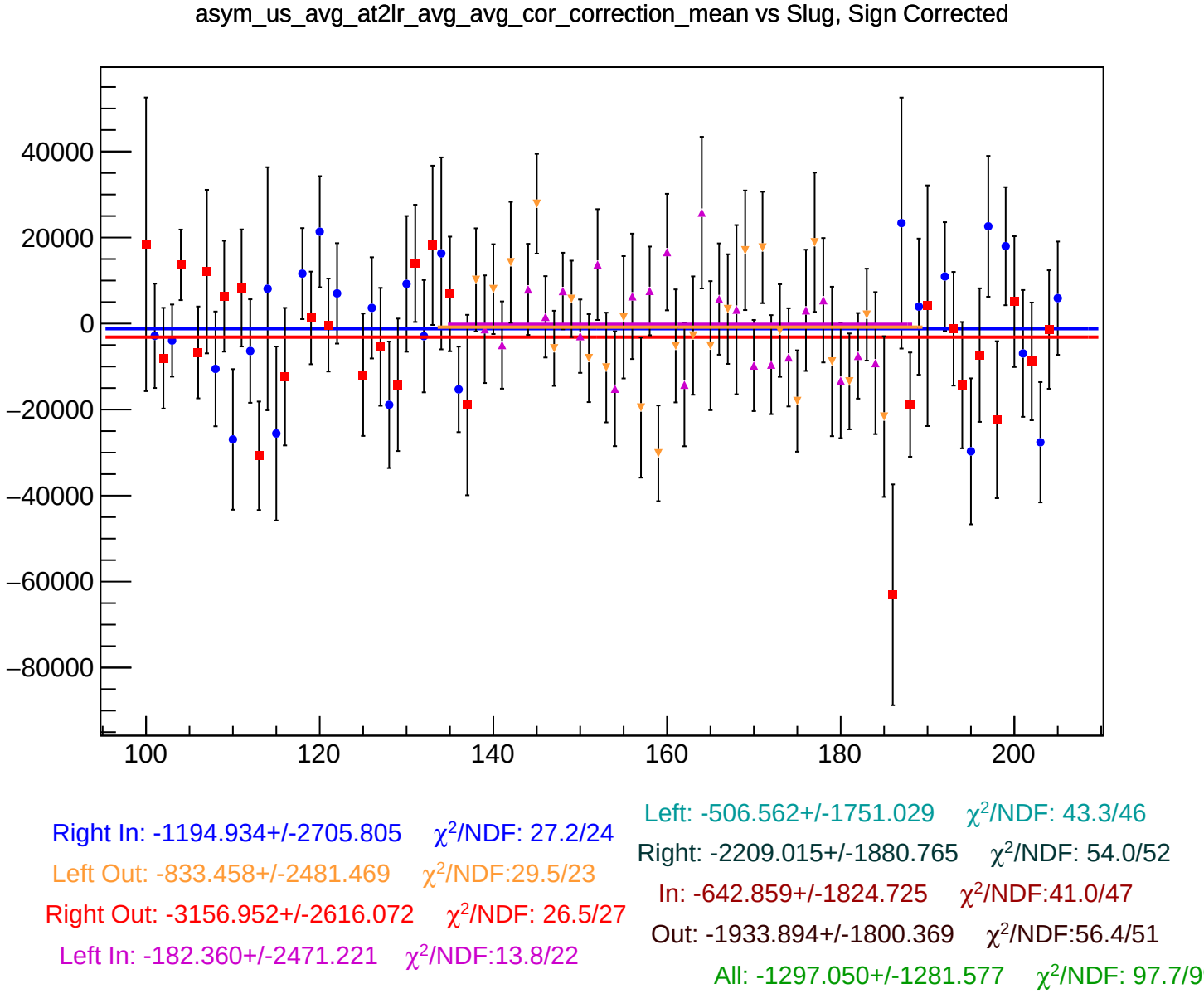
Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

Right: 2201.929+/-0.290 χ^2/NDF: 394738.7/52

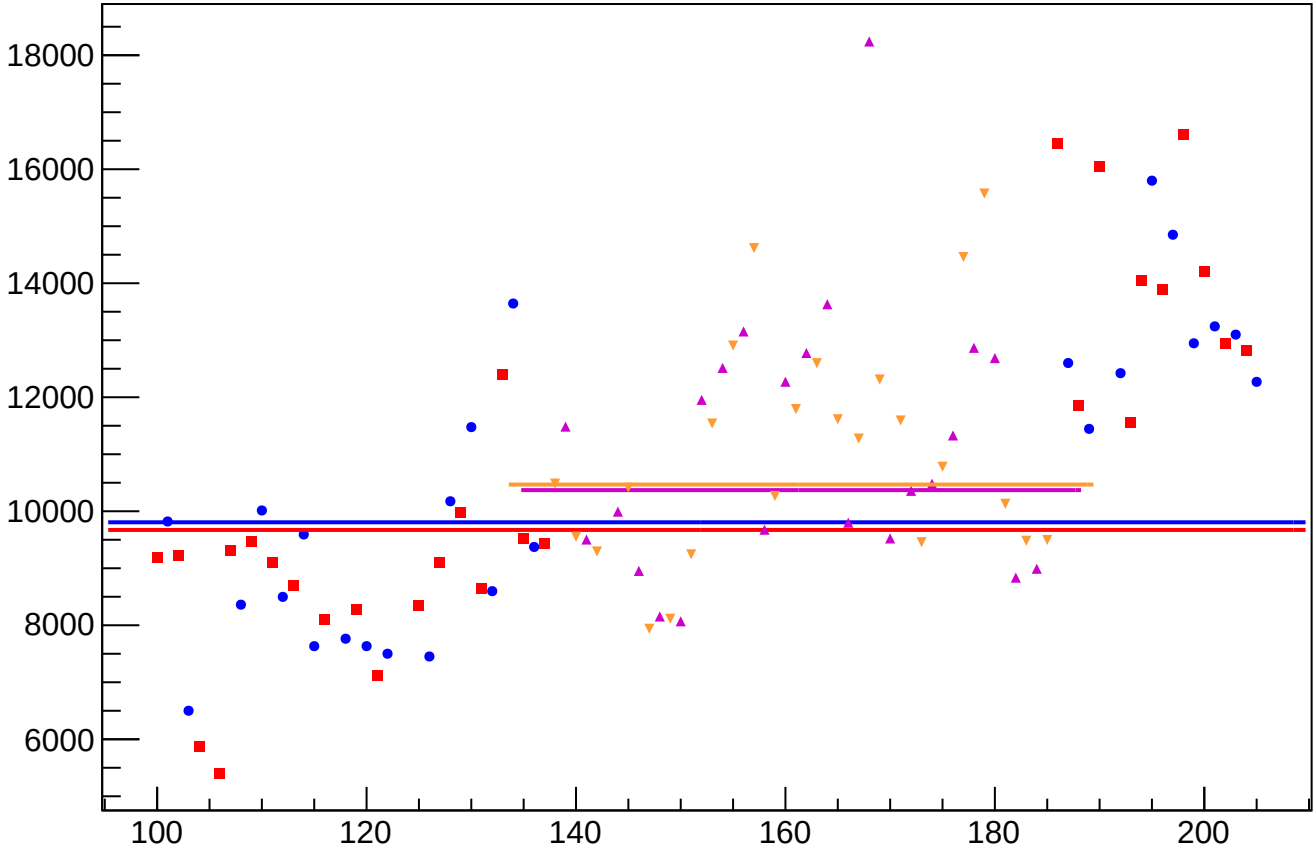
In: 2204.570+/-0.274 χ^2/NDF:287922.3/47

Out: 2203.661+/-0.270 χ^2/NDF:276211.8/51

All: 2204.108+/-0.192 χ^2/NDF: 564139.7/99


asym_us_avg_at2lr_avg_avg_cor_correction_mean vs Slug, Sign Corrected
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1194.934+/-2705.805 χ²/NDF: 27.2/24
Left Out: -833.458+/-2481.469 χ²/NDF:29.5/23
Right Out: -3156.952+/-2616.072 χ²/NDF: 26.5/27
Left In: -182.360+/-2471.221 χ²/NDF:13.8/22
Left: -506.562+/-1751.029 χ²/NDF: 43.3/46
Right: -2209.015+/-1880.765 χ²/NDF: 54.0/52
In: -642.859+/-1824.725 χ²/NDF:41.0/47
Out: -1933.894+/-1800.369 χ²/NDF:56.4/51
All: -1297.050+/-1281.577 χ²/NDF: 97.7/99

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 9806.327+/-1.913 χ^2/NDF: 1734172.9/24

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9672.271+/-1.850 χ^2/NDF: 2368016.2/27

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

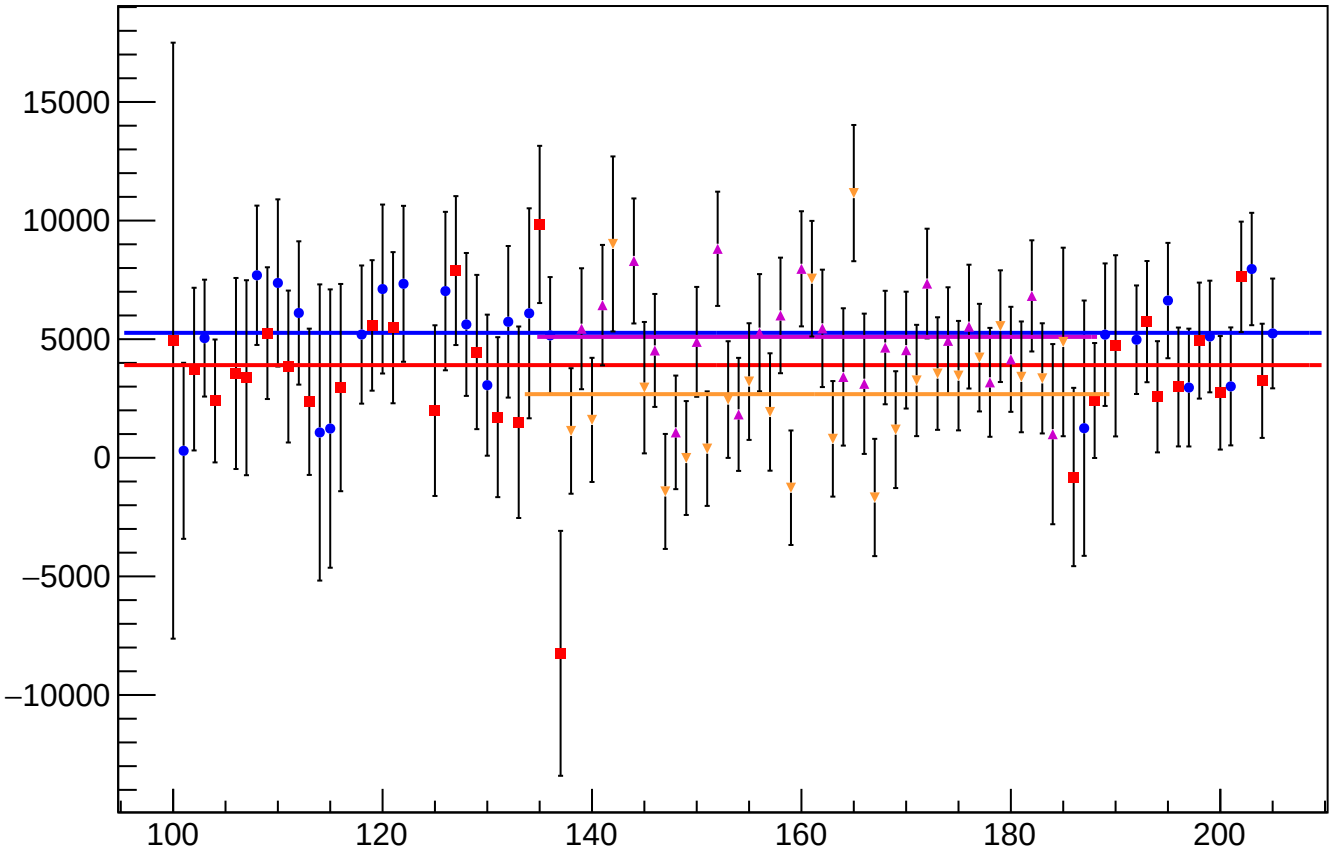
Left: 10419.579+/-1.238 χ^2/NDF: 2250581.8/46

Right: 9737.040+/-1.330 χ^2/NDF: 4104726.4/52

In: 10114.136+/-1.290 χ^2/NDF:2985407.5/47

Out: 10091.489+/-1.273 χ^2/NDF:3510841.8/51

All: 10102.660+/-0.906 χ^2/NDF: 6496405.5/9



Right In: 5267.512+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: 3906.547+/-574.395 χ^2/NDF: 19.0/27

Left In: 5096.334+/-516.232 χ^2/NDF:14.9/22

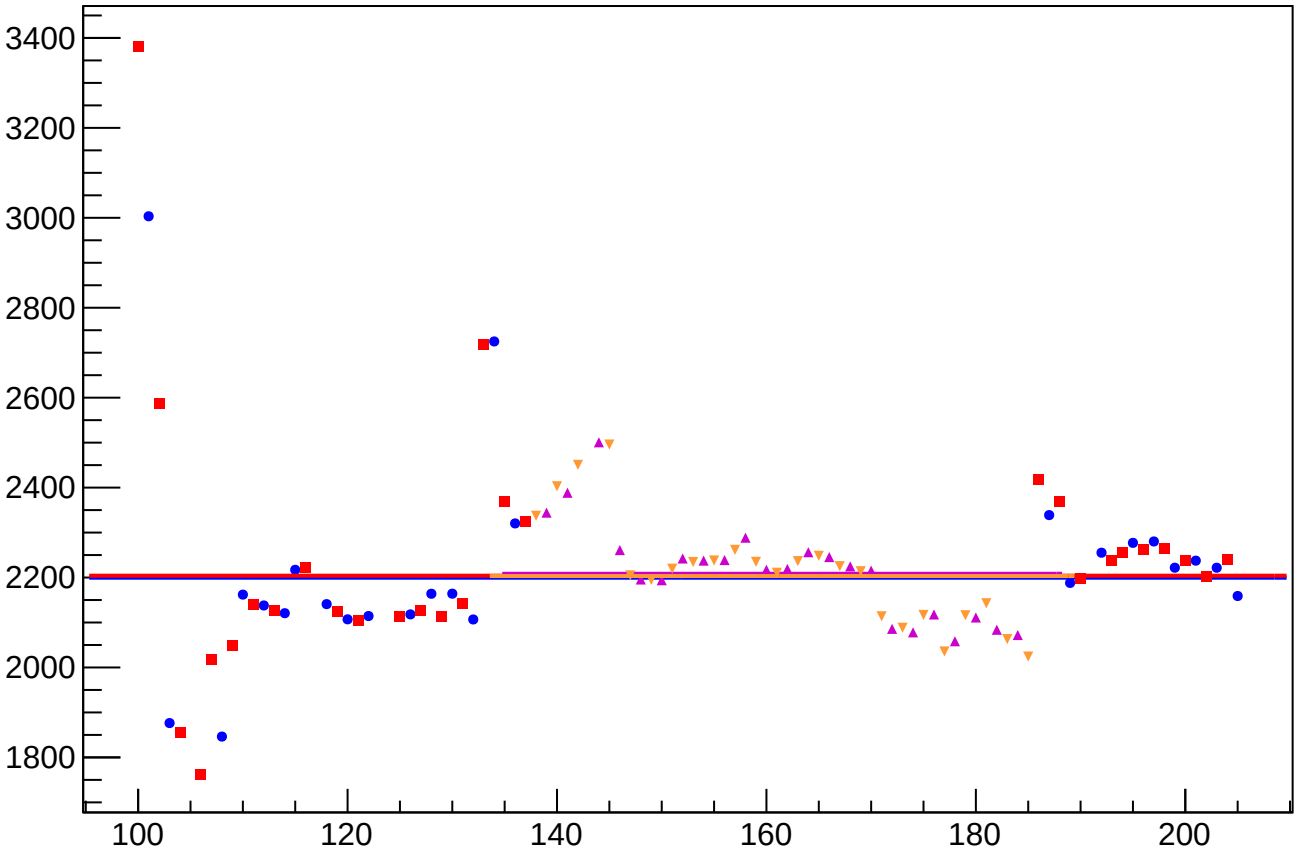
Left: 3879.677+/-363.533 χ^2/NDF: 56.8/46

Right: 4570.766+/-410.983 χ^2/NDF: 31.0/52

In: 5170.803+/-388.021 χ^2/NDF:24.3/47

Out: 3224.640+/-382.210 χ^2/NDF:52.4/51

All: 4183.040+/-272.295 χ^2/NDF: 89.4/99



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.6/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

Right Out: 2204.117+/-0.405 χ^2/NDF: 188001.2/27

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

Left: 2205.817+/-0.257 χ^2/NDF: 169300.4/46

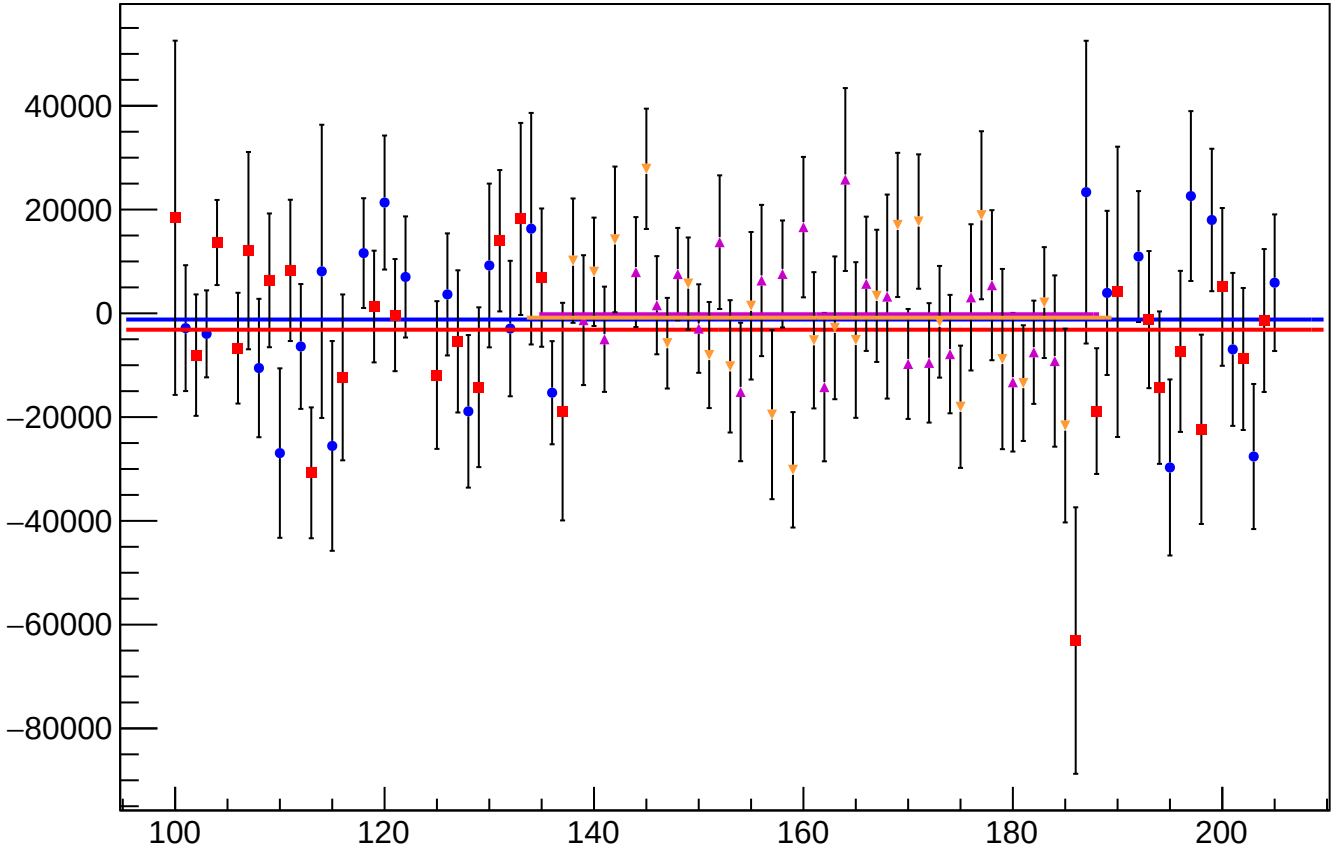
Right: 2201.929+/-0.290 χ^2/NDF: 394738.7/52

In: 2204.570+/-0.274 χ^2/NDF:287922.3/47

Out: 2203.661+/-0.270 χ^2/NDF:276211.8/51

All: 2204.108+/-0.192 χ^2/NDF: 564139.7/99

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1194.934+/-2705.805 χ^2/NDF: 27.2/24

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

Right Out: -3156.952+/-2616.072 χ^2/NDF: 26.5/27

Left In: -182.360+/-2471.221 χ^2/NDF:13.8/22

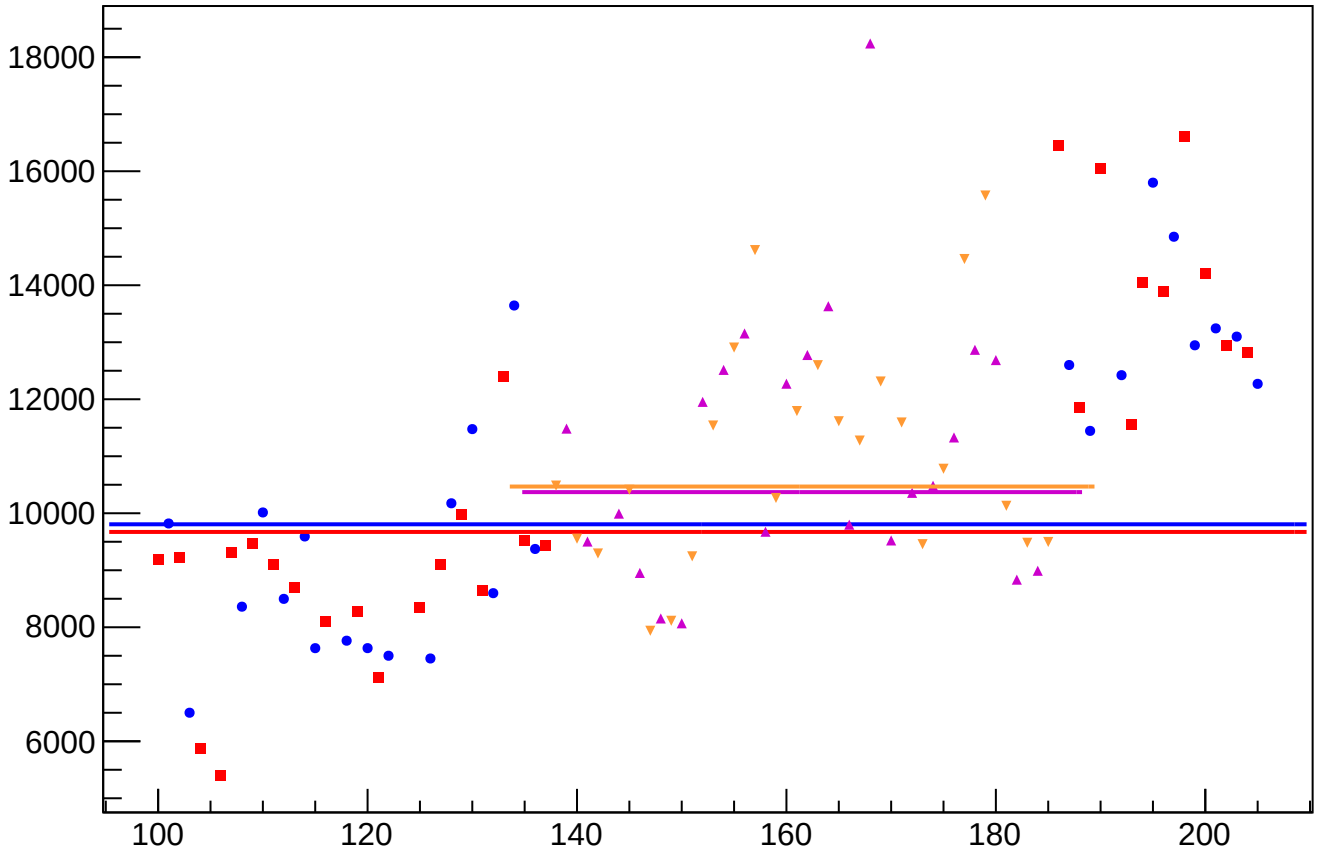
Left: -506.562+/-1751.029 χ^2/NDF: 43.3/46

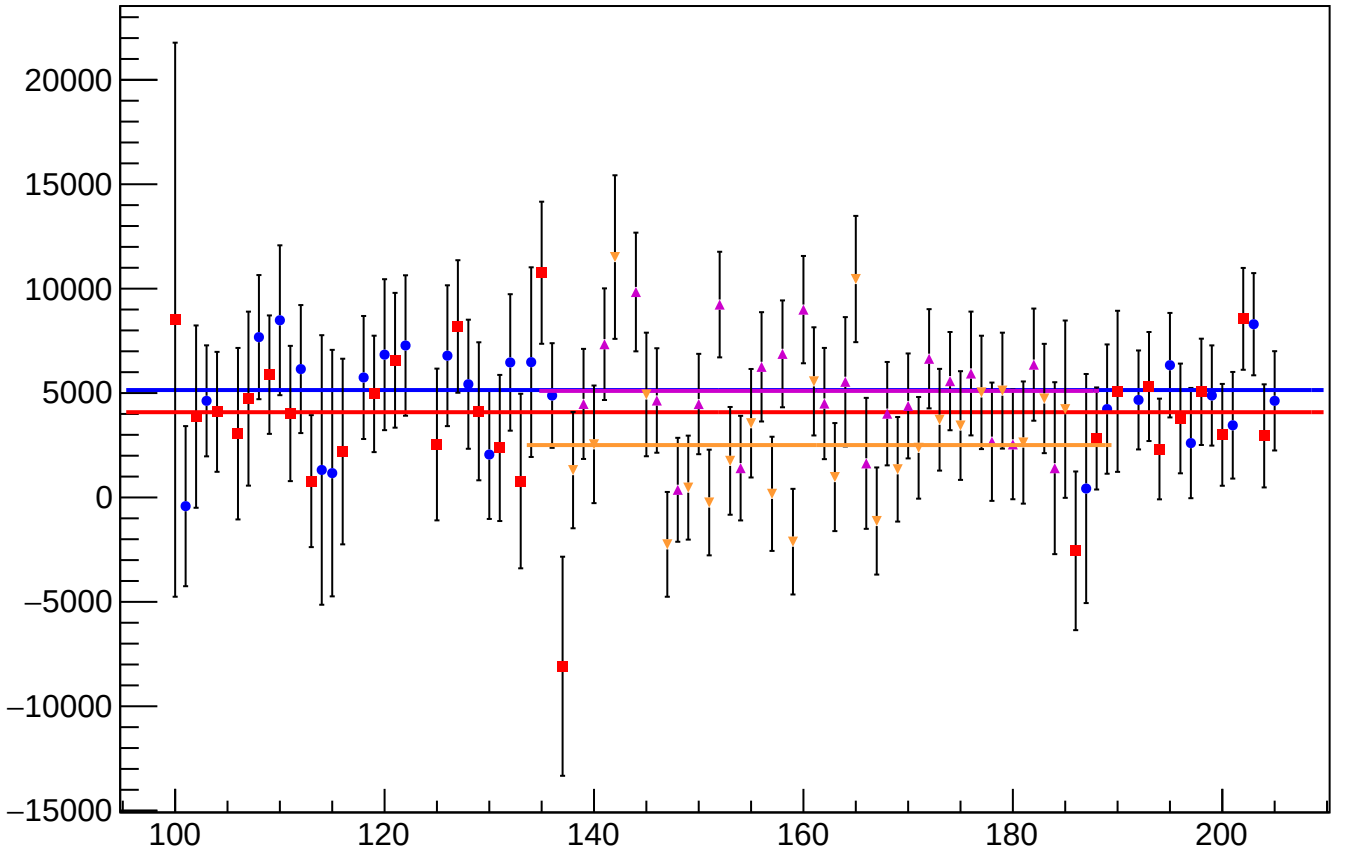
Right: -2209.015+/-1880.765 χ^2/NDF: 54.0/52

In: -642.859+/-1824.725 χ^2/NDF:41.0/47

Out: -1933.894+/-1800.369 χ^2/NDF:56.4/51

All: -1297.050+/-1281.577 χ^2/NDF: 97.7/99


asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 9806.327+/-1.913 χ²/NDF: 1734172.9/24
Left Out: 10468.676+/-1.755 χ²/NDF:1045258.5/23
Right Out: 9672.271+/-1.850 χ²/NDF: 2368016.2/27
Left In: 10370.886+/-1.747 χ²/NDF:1203763.9/22
Left: 10419.579+/-1.238 χ²/NDF: 2250581.8/46
Right: 9737.040+/-1.330 χ²/NDF: 4104726.4/52
In: 10114.136+/-1.290 χ²/NDF:2985407.5/47
Out: 10091.489+/-1.273 χ²/NDF:3510841.8/51
All: 10102.660+/-0.906 χ²/NDF: 6496405.5/9



Right In: 5144.303+/-605.399 χ^2/NDF: 11.0/24

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: 4083.675+/-593.221 χ^2/NDF: 22.6/27

Left In: 5102.993+/-552.583 χ^2/NDF:19.9/22

Left: 3803.678+/-390.387 χ^2/NDF: 60.7/46

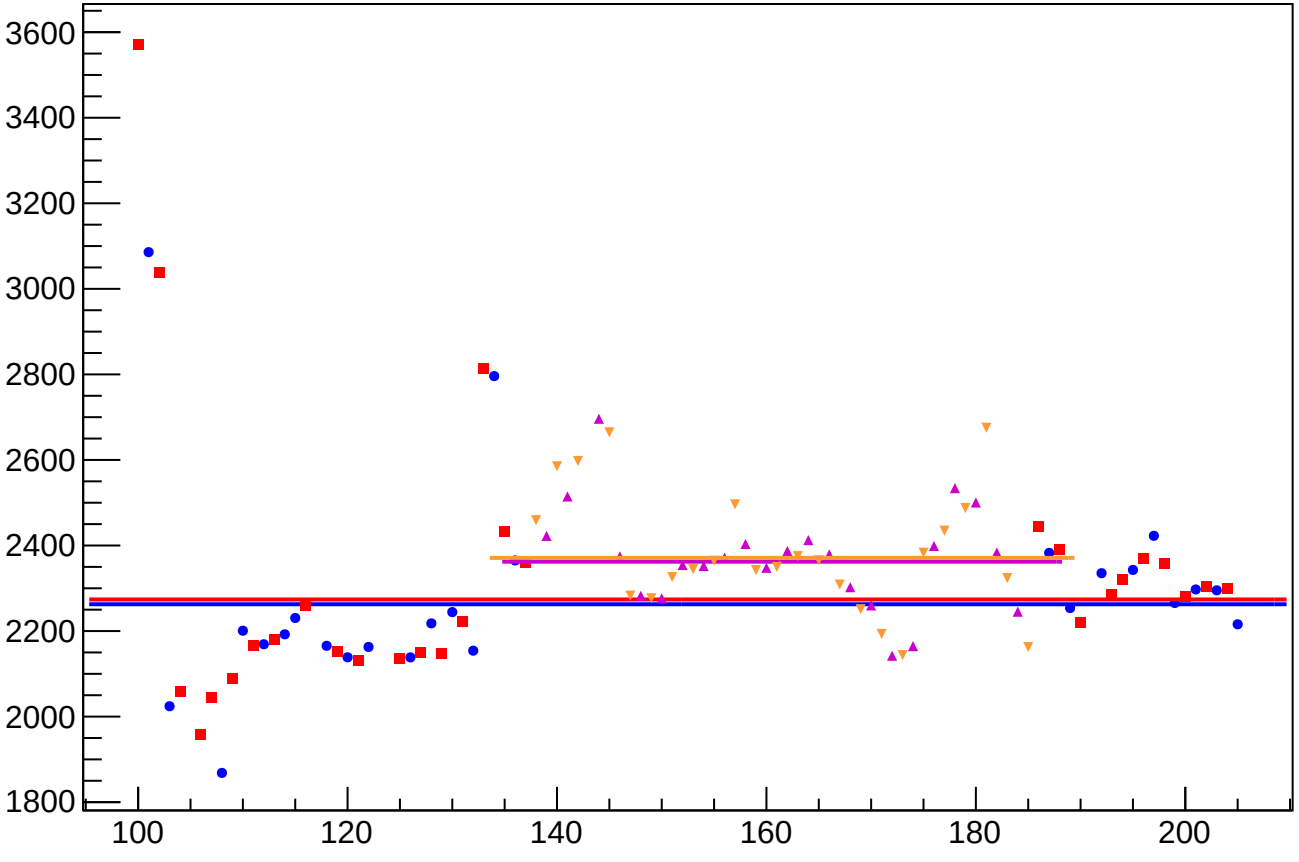
Right: 4603.214+/-423.711 χ^2/NDF: 35.1/52

In: 5121.768+/-408.132 χ^2/NDF:30.9/47

Out: 3239.153+/-403.954 χ^2/NDF:56.2/51

All: 4170.774+/-287.104 χ^2/NDF: 97.8/99

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected



Right In: 2262.661+/-0.428 χ^2/NDF: 202601.5/24

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

Right Out: 2273.859+/-0.419 χ^2/NDF: 192888.3/27

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

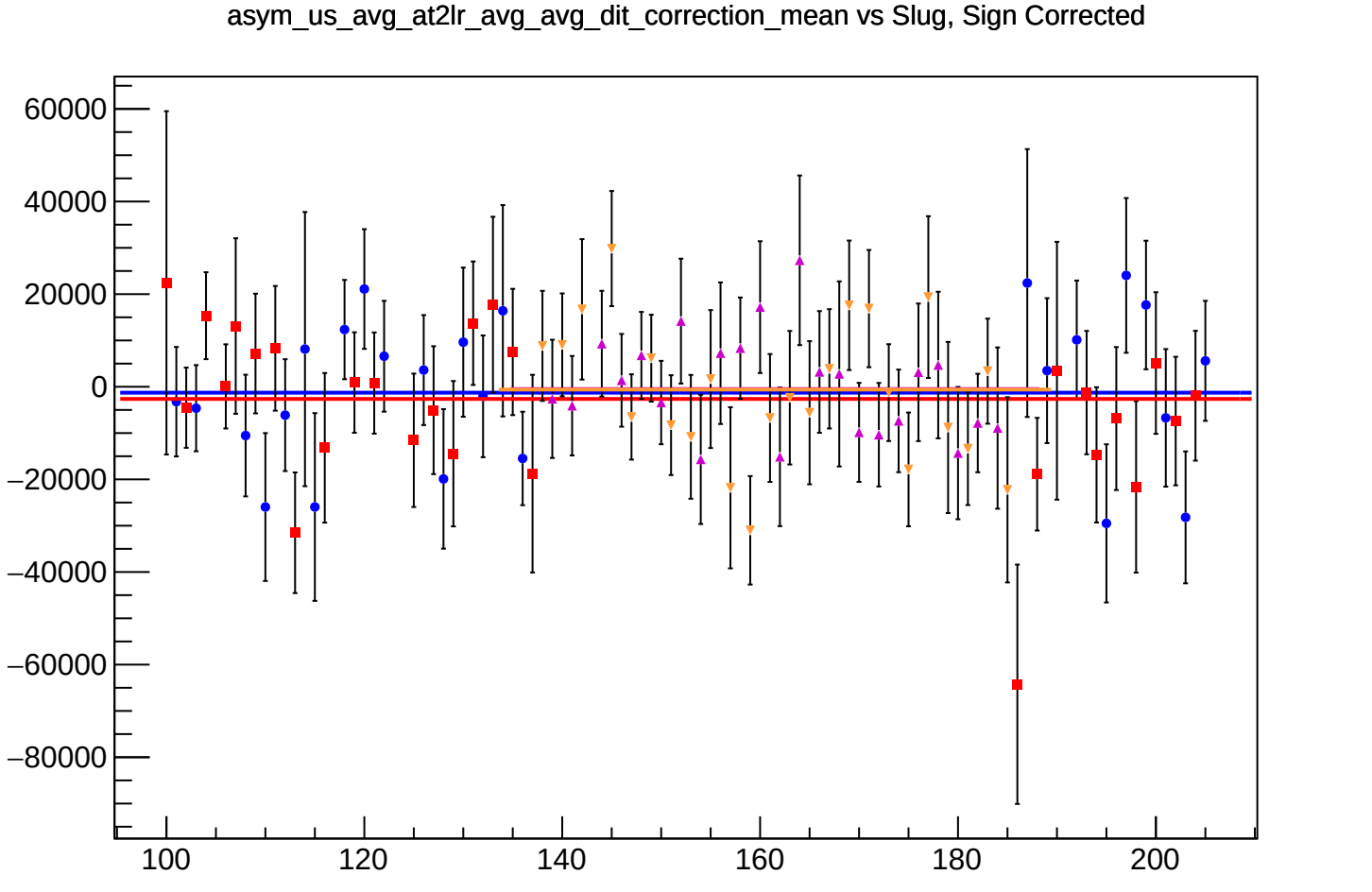
Left: 2366.685+/-0.276 χ^2/NDF: 208454.2/46

Right: 2268.376+/-0.300 χ^2/NDF: 395839.0/52

In: 2316.971+/-0.289 χ^2/NDF:324003.3/47

Out: 2326.015+/-0.286 χ^2/NDF:338036.9/51

All: 2321.540+/-0.203 χ^2/NDF: 662536.3/99



Right In: -1278.795+/-2747.947 χ^2/NDF: 27.0/24

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

Right Out: -2627.774+/-2581.249 χ^2/NDF: 26.2/27

Left In: -490.044+/-2577.213 χ^2/NDF:13.5/22

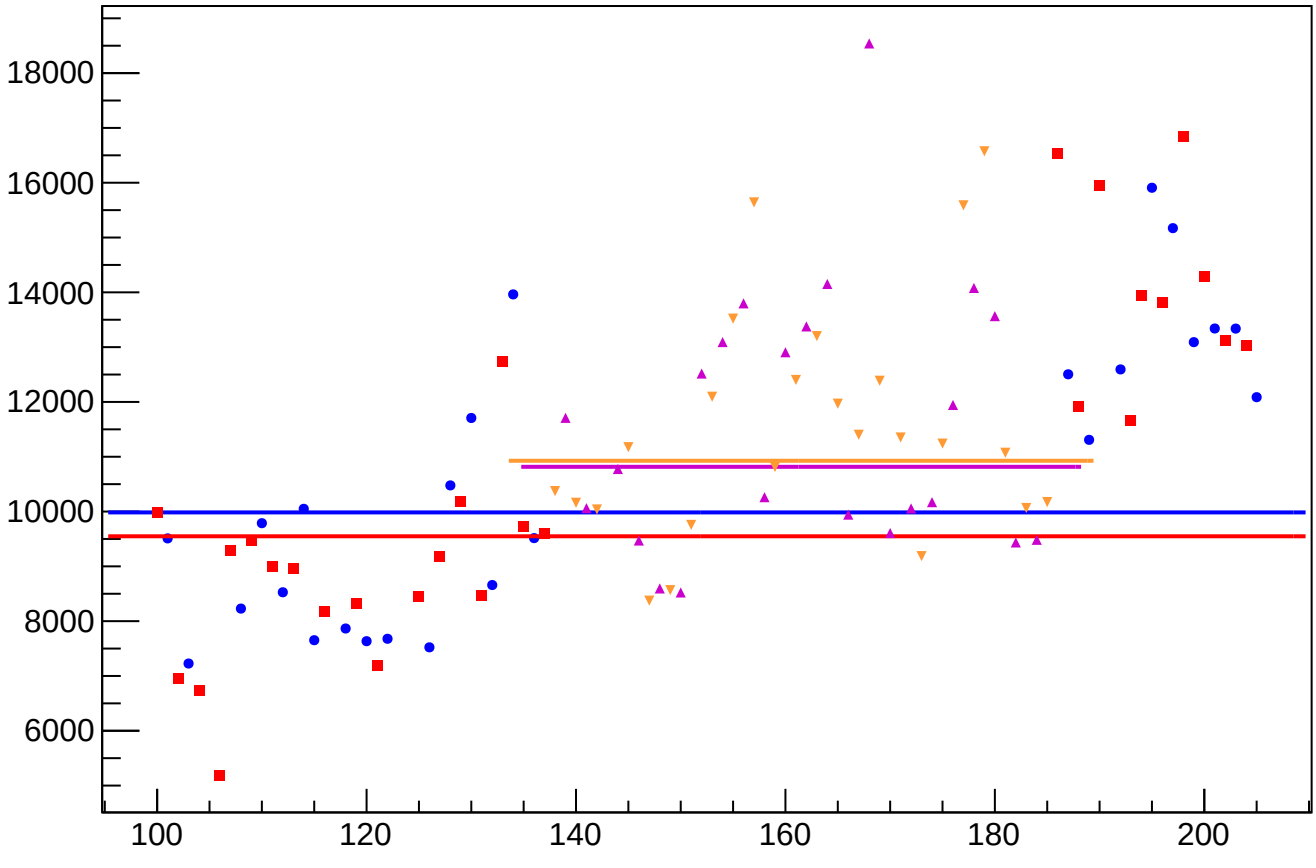
Left: -548.873+/-1826.841 χ^2/NDF: 42.4/46

Right: -1995.440+/-1881.391 χ^2/NDF: 53.4/52

In: -859.157+/-1879.827 χ^2/NDF:40.6/47

Out: -1621.415+/-1828.276 χ^2/NDF:55.4/51

All: -1250.881+/-1310.633 χ^2/NDF: 96.1/99



Right In: 9984.315+/-1.943 χ^2/NDF: 1597257.3/24

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

Right Out: 9548.625+/-1.825 χ^2/NDF: 2517548.7/27

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

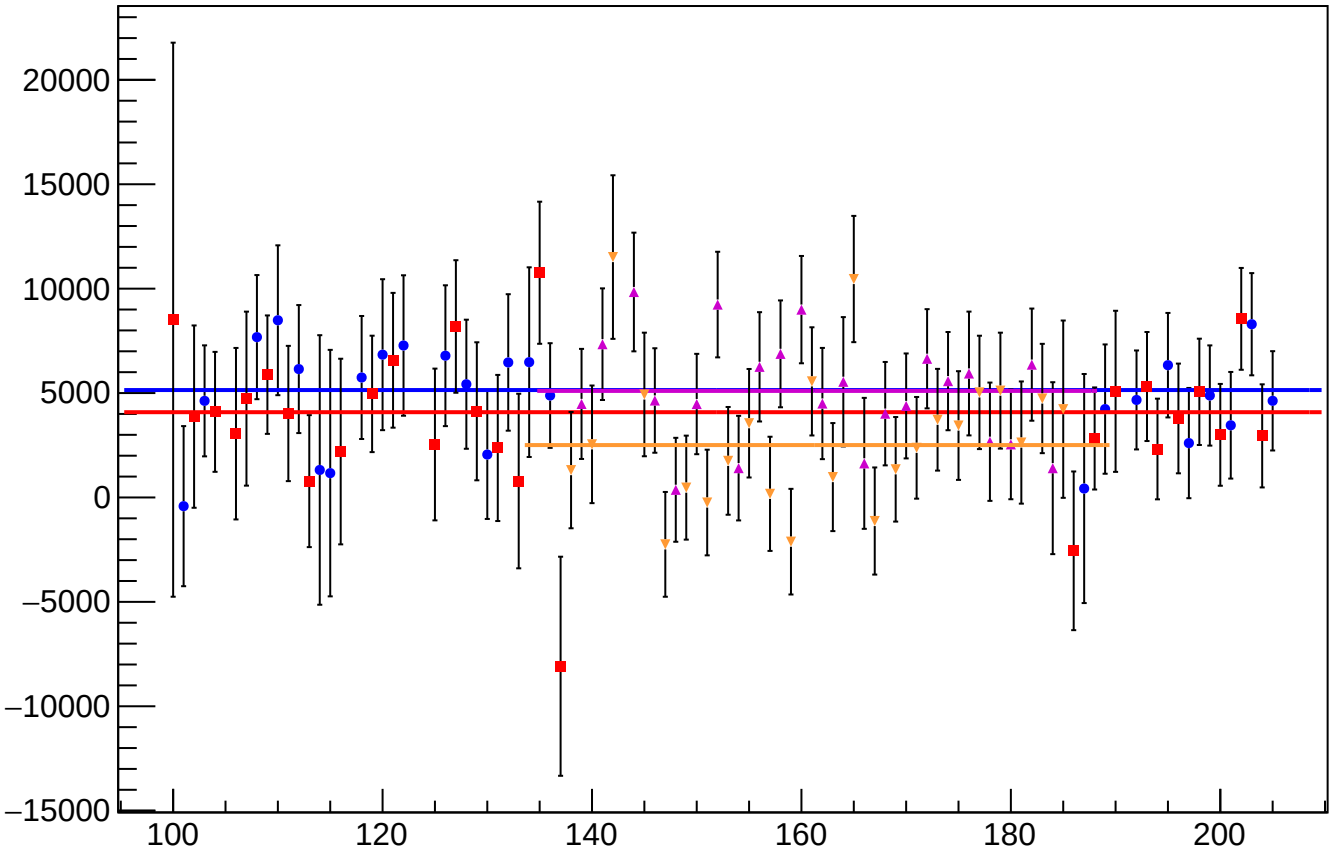
Left: 10871.318+/-1.292 χ^2/NDF: 2255982.7/46

Right: 9752.855+/-1.330 χ^2/NDF: 4141515.7/52

In: 10426.966+/-1.329 χ^2/NDF:2891622.2/47

Out: 10235.432+/-1.293 χ^2/NDF:3859017.2/51

All: 10328.536+/-0.927 χ^2/NDF: 6761309.4/9



Right In: 5144.297+/-605.399 χ^2/NDF: 11.0/24

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: 4083.674+/-593.221 χ^2/NDF: 22.6/27

Left In: 5102.996+/-552.584 χ^2/NDF:19.9/22

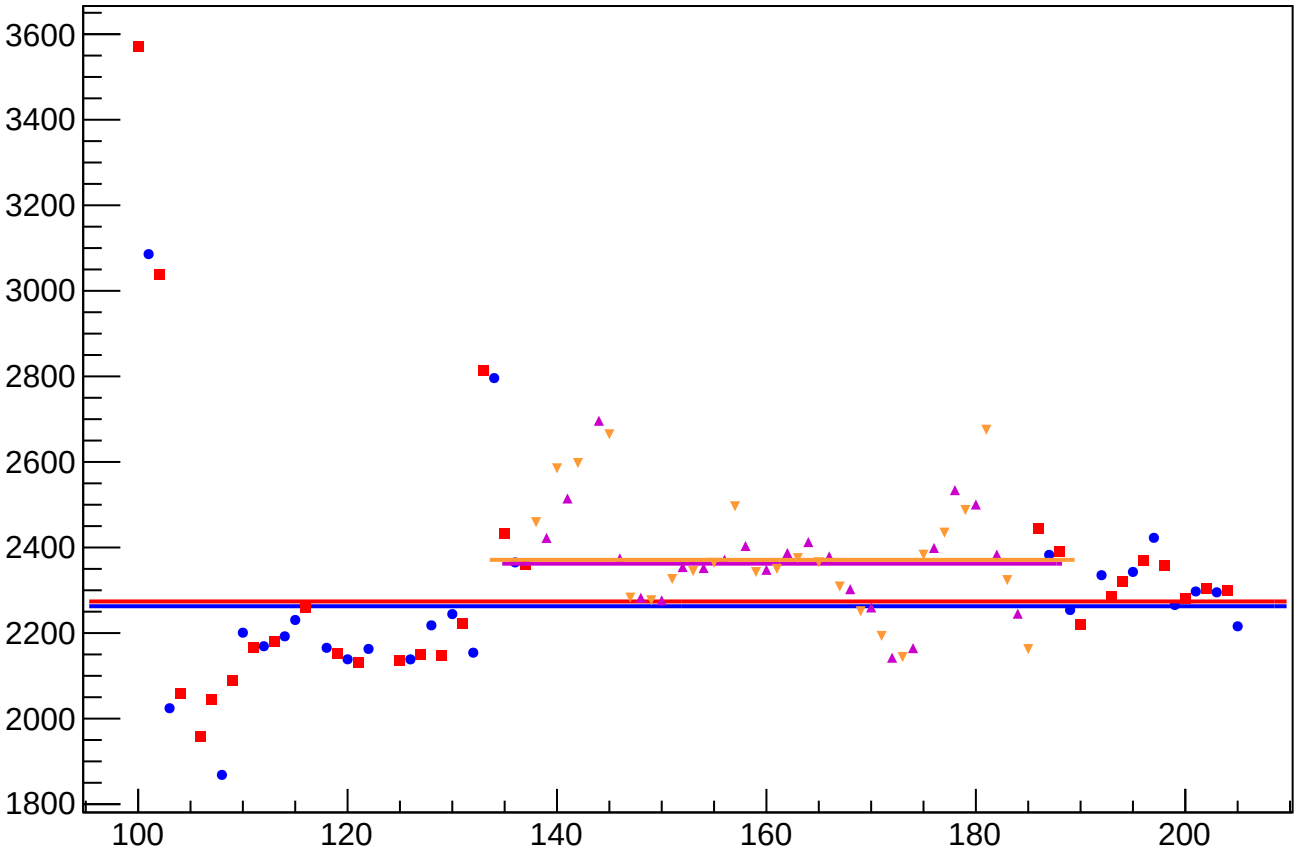
Left: 3803.673+/-390.388 χ^2/NDF: 60.7/46

Right: 4603.211+/-423.711 χ^2/NDF: 35.1/52

In: 5121.767+/-408.133 χ^2/NDF:30.9/47

Out: 3239.147+/-403.954 χ^2/NDF:56.2/51

All: 4170.770+/-287.105 χ^2/NDF: 97.8/99



Right In: 2262.661+/-0.428 χ^2/NDF: 202602.1/24

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

Right Out: 2273.859+/-0.419 χ^2/NDF: 192888.7/27

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

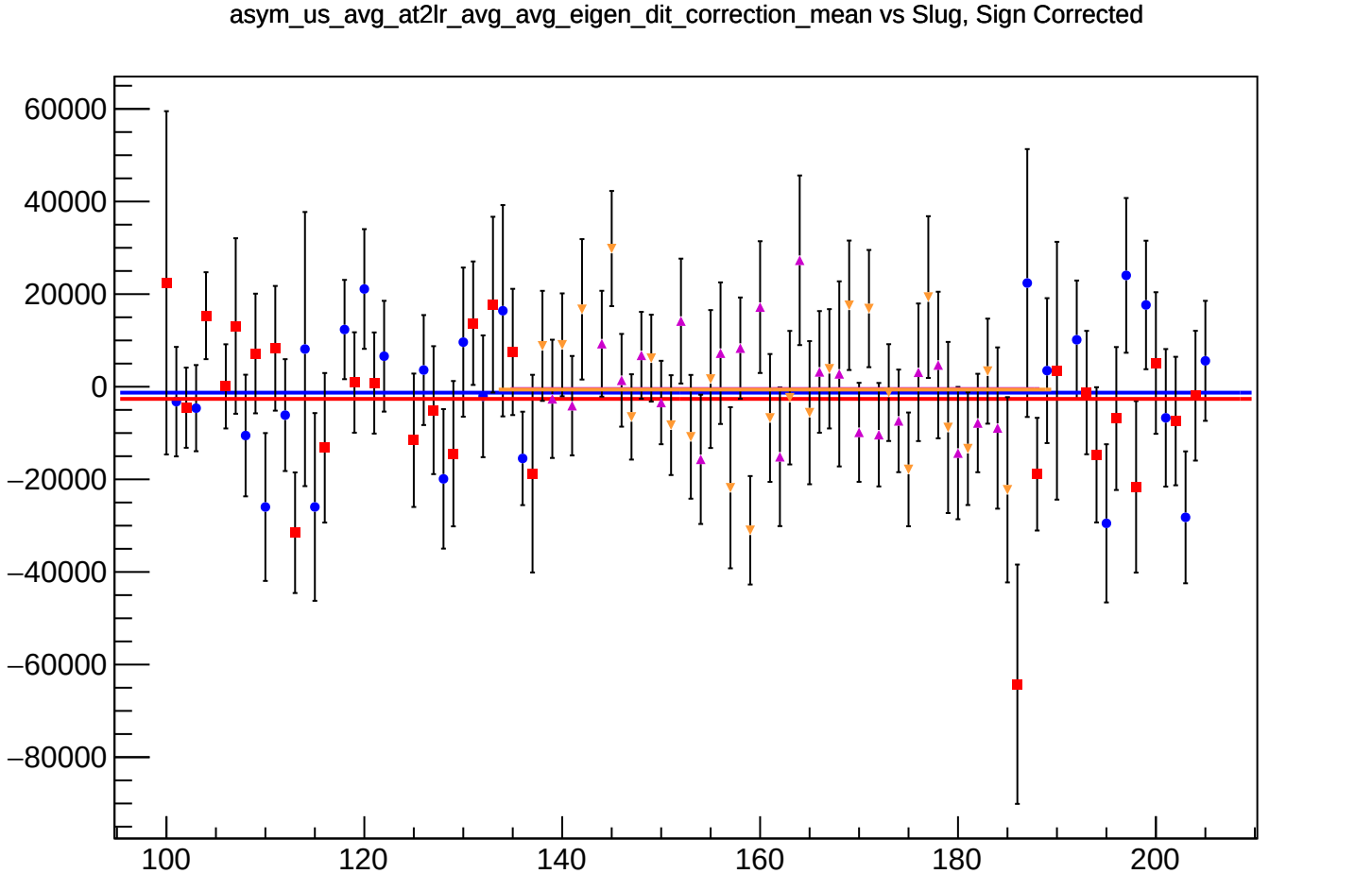
Left: 2366.689+/-0.276 χ^2/NDF: 208463.0/46

Right: 2268.376+/-0.300 χ^2/NDF: 395840.0/52

In: 2316.973+/-0.289 χ^2/NDF:324010.6/47

Out: 2326.017+/-0.286 χ^2/NDF:338043.4/51

All: 2321.542+/-0.203 χ^2/NDF: 662550.2/99



Right In: -1278.781+/-2747.944 χ^2/NDF: 27.0/24

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

Right Out: -2627.761+/-2581.245 χ^2/NDF: 26.2/27

Left In: -490.047+/-2577.218 χ^2/NDF:13.5/22

Left: -548.878+/-1826.844 χ^2/NDF: 42.4/46

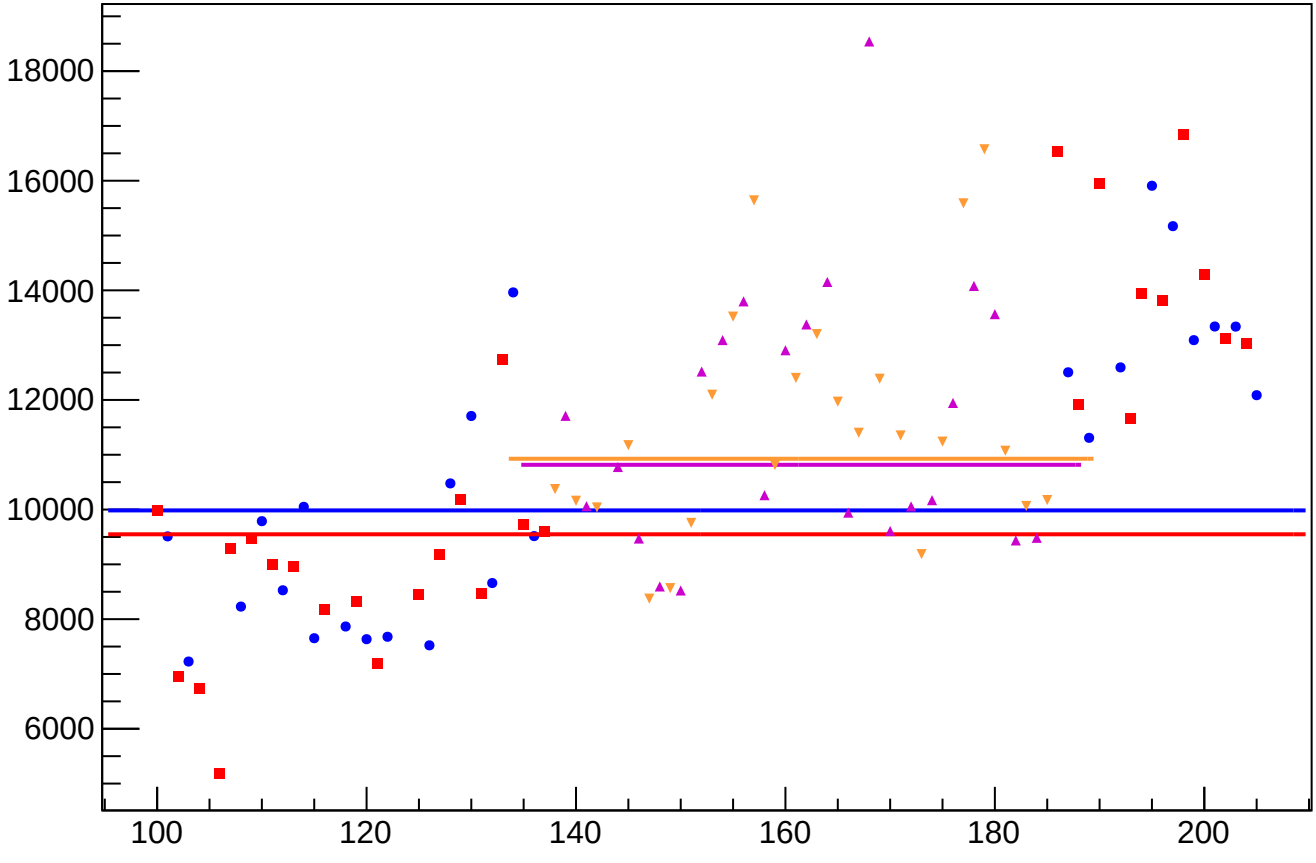
Right: -1995.427+/-1881.389 χ^2/NDF: 53.4/52

In: -859.153+/-1879.828 χ^2/NDF:40.6/47

Out: -1621.415+/-1828.277 χ^2/NDF:55.4/51

All: -1250.879+/-1310.633 χ^2/NDF: 96.1/99

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 9984.299+/-1.943 χ^2/NDF: 1597280.4/24

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9548.609+/-1.825 χ^2/NDF: 2517567.8/27

Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

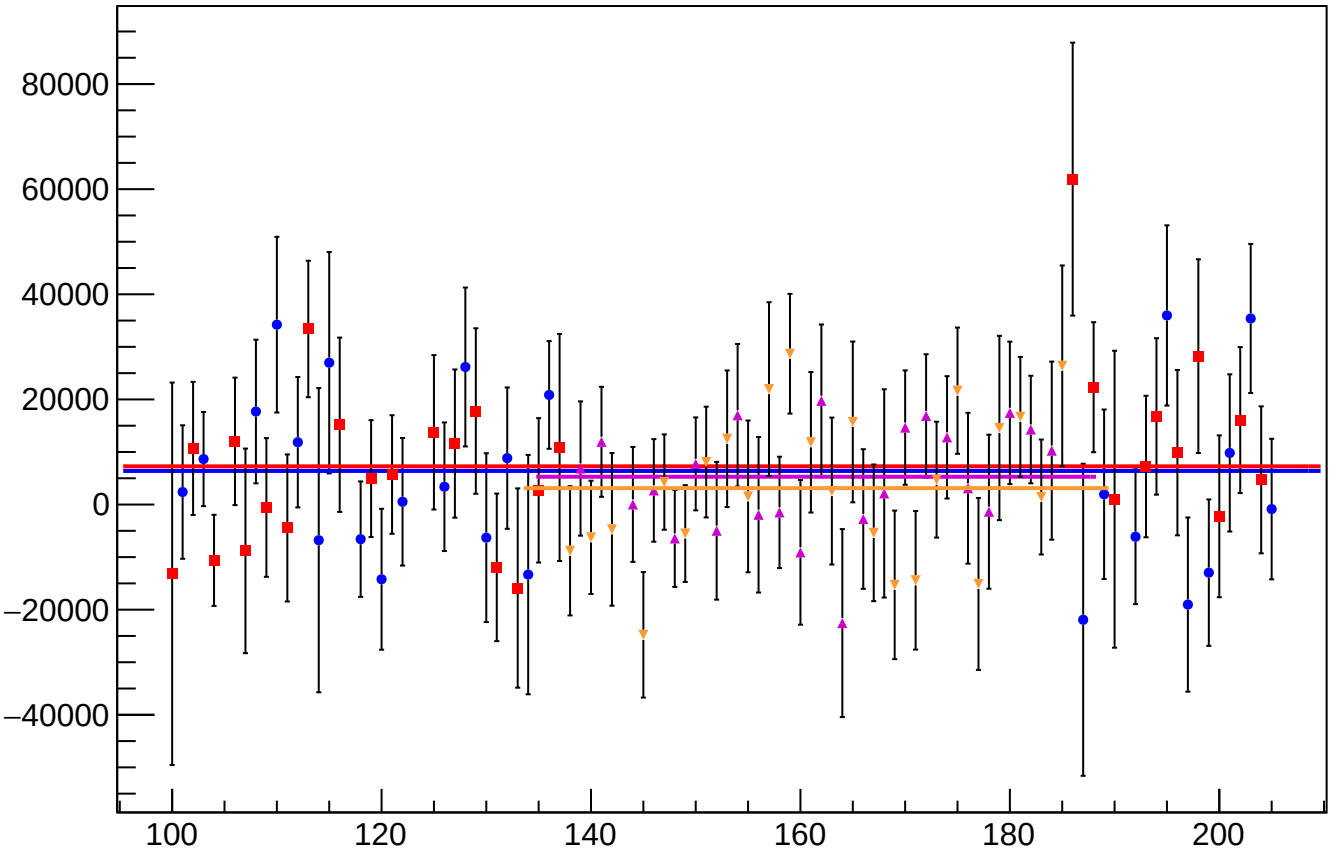
Left: 10871.336+/-1.292 χ^2/NDF: 2255988.7/46

Right: 9752.839+/-1.330 χ^2/NDF: 4141557.9/52

In: 10426.966+/-1.329 χ^2/NDF:2891656.5/47

Out: 10235.431+/-1.293 χ^2/NDF:3859052.4/51

All: 10328.536+/-0.927 χ^2/NDF: 6761379.1/9



Right In: 6394.082+/-2790.416 χ^2/NDF: 27.9/24

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: 7270.458+/-2712.407 χ^2/NDF: 23.6/27

Left In: 5290.718+/-2532.995 χ^2/NDF:13.3/22

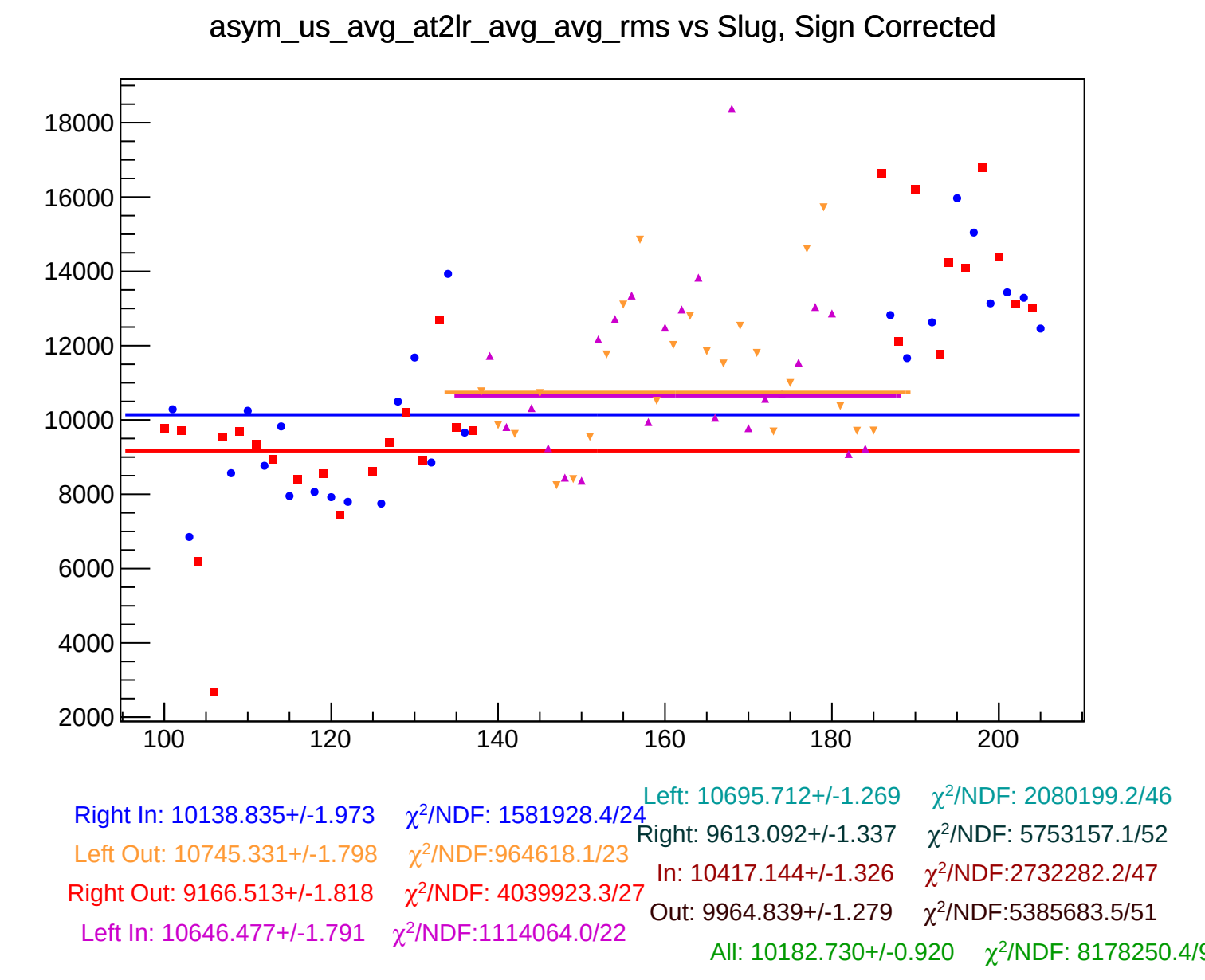
Left: 4209.158+/-1794.574 χ^2/NDF: 41.1/46

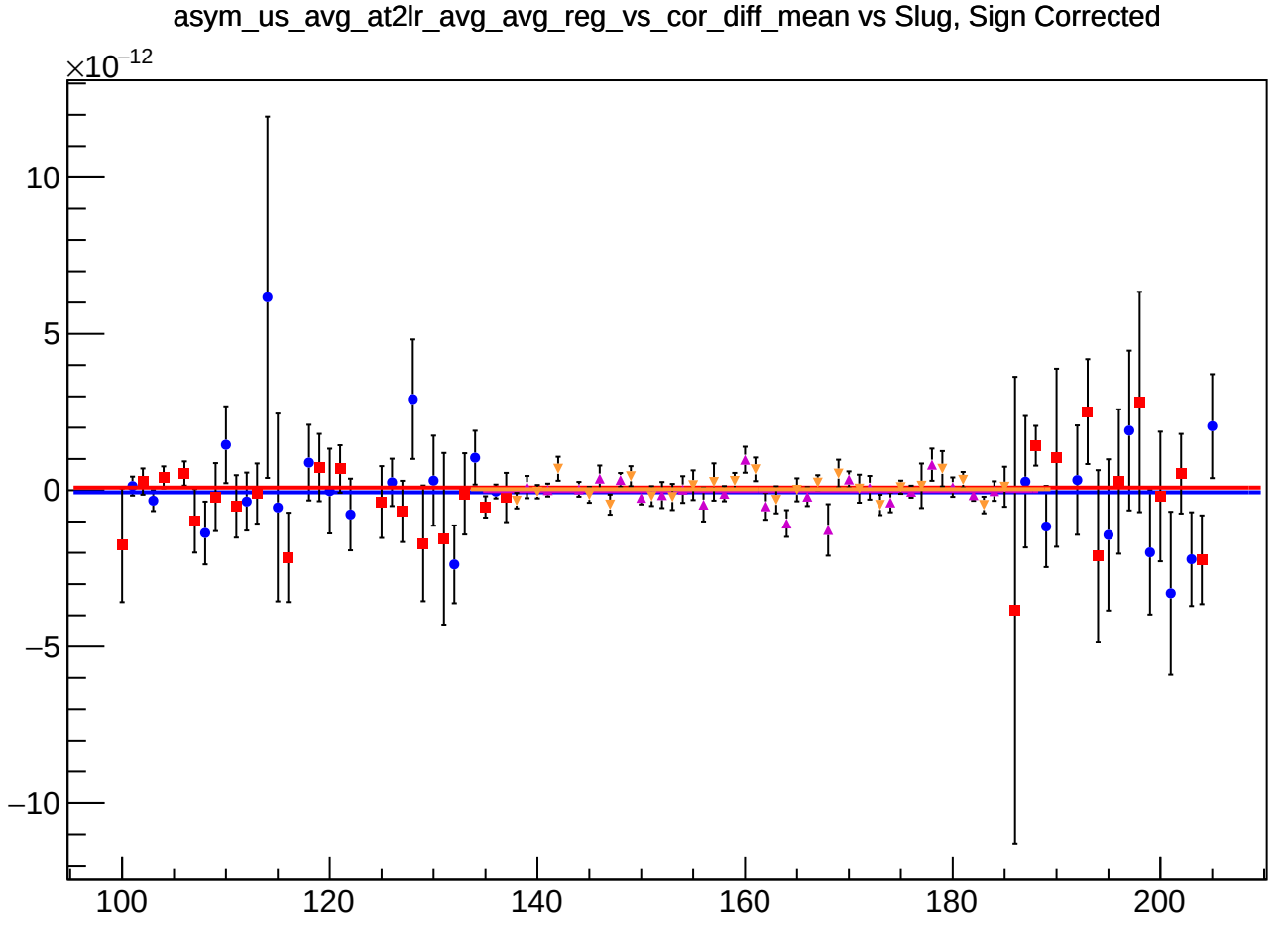
Right: 6844.691+/-1944.955 χ^2/NDF: 51.5/52

In: 5789.170+/-1875.518 χ^2/NDF:41.3/47

Out: 5061.015+/-1855.116 χ^2/NDF:52.3/51

All: 5421.110+/-1318.919 χ^2/NDF: 93.7/99


asym_us_avg_at2lr_avg_avg_rms vs Slug, Sign Corrected
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 10138.835+/-1.973 χ²/NDF: 1581928.4/24
Left Out: 10745.331+/-1.798 χ²/NDF:964618.1/23
Right Out: 9166.513+/-1.818 χ²/NDF: 4039923.3/27
Left In: 10646.477+/-1.791 χ²/NDF:1114064.0/22
Left: 10695.712+/-1.269 χ²/NDF: 2080199.2/46
Right: 9613.092+/-1.337 χ²/NDF: 5753157.1/52
In: 10417.144+/-1.326 χ²/NDF:2732282.2/47
Out: 9964.839+/-1.279 χ²/NDF:5385683.5/51
All: 10182.730+/-0.920 χ²/NDF: 8178250.4/9



Right In: -0.000+/-0.000 χ^2/NDF: 22.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/27

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

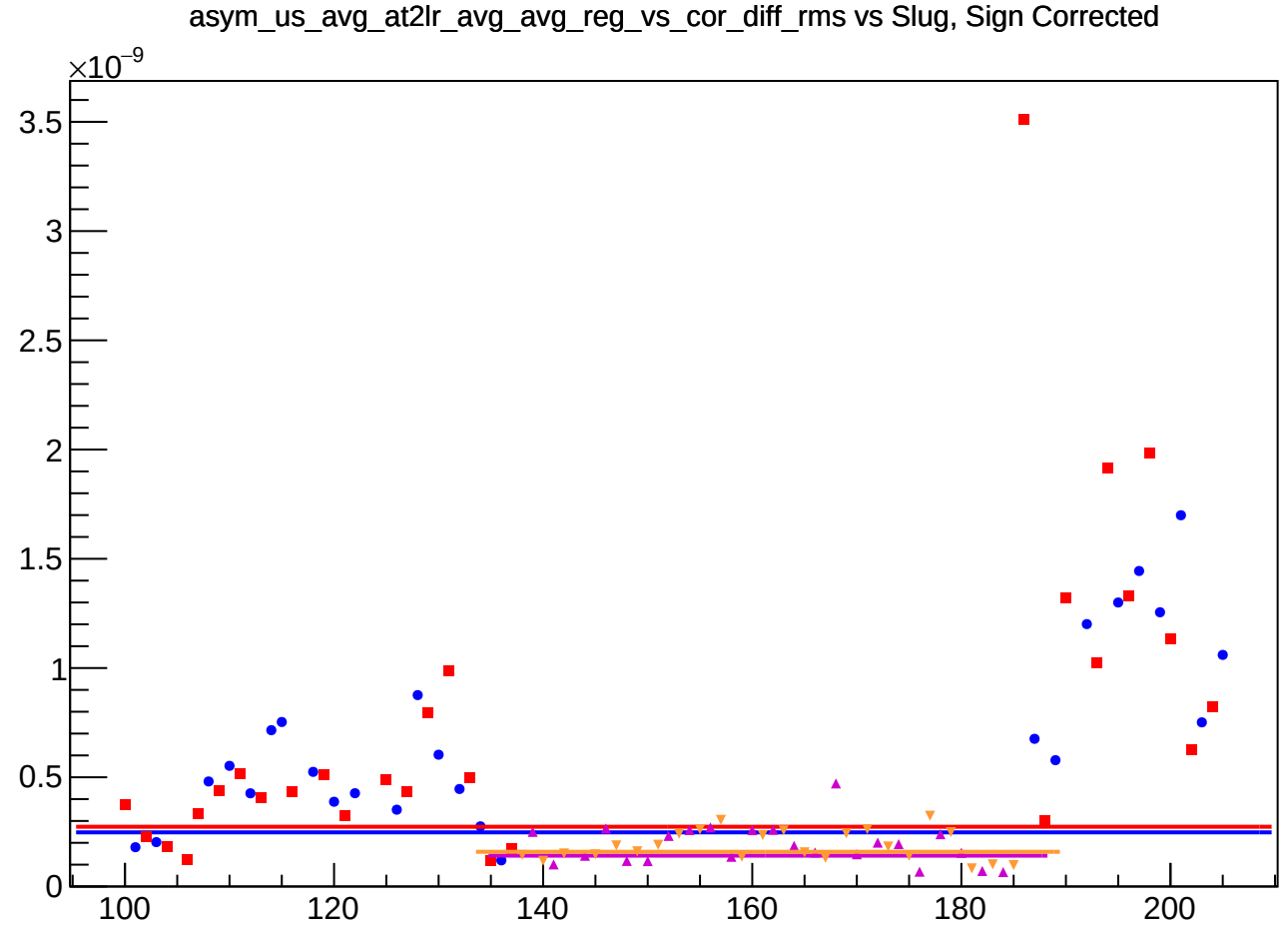
Left: 0.000+/-0.000 χ^2/NDF: 54.6/46

Right: 0.000+/-0.000 χ^2/NDF: 47.7/52

In: -0.000+/-0.000 χ^2/NDF:50.1/47

Out: 0.000+/-0.000 χ^2/NDF:51.3/51

All: 0.000+/-0.000 χ^2/NDF: 102.2/99



Right In: 0.000+/-0.000 χ^2/NDF: 5249652.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5177210.8/27

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3771928.7/46

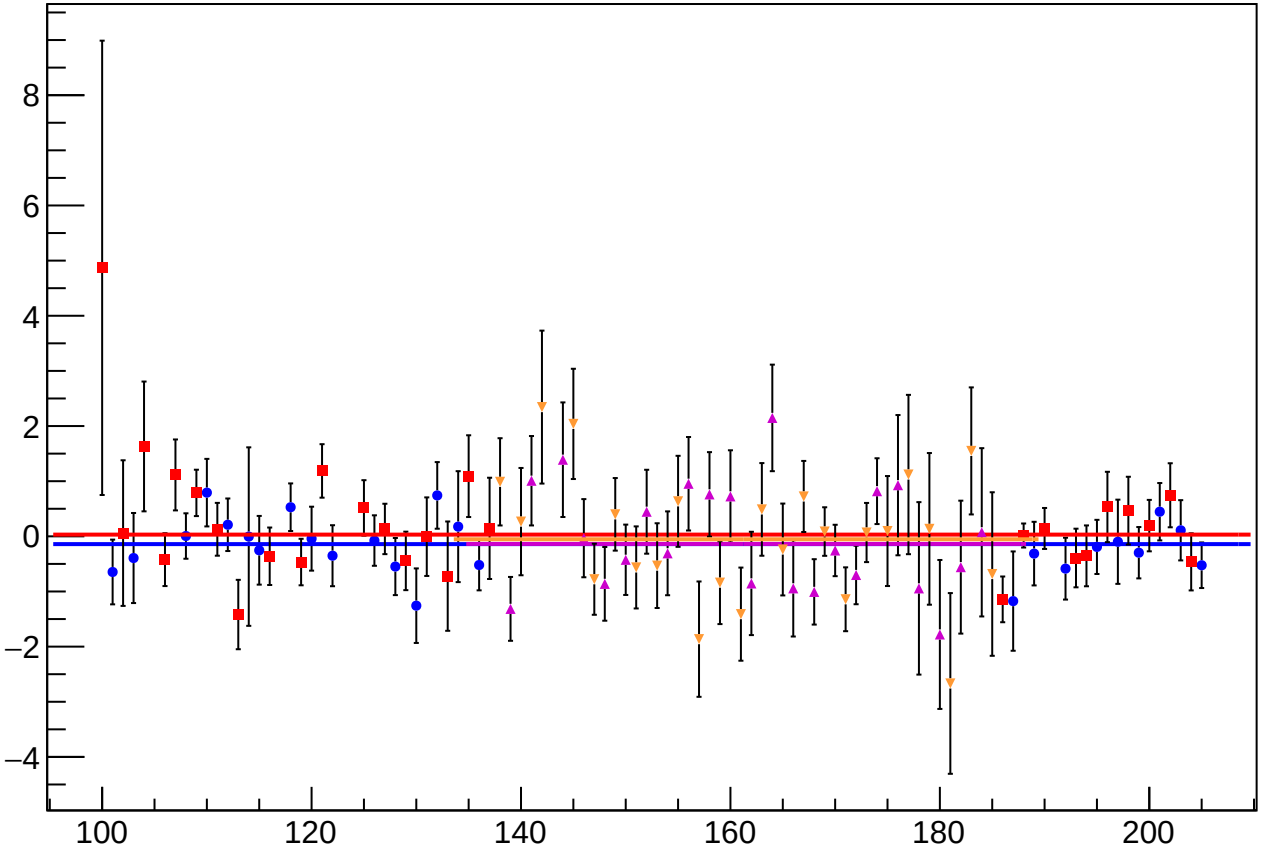
Right: 0.000+/-0.000 χ^2/NDF: 10459112.2/52

In: 0.000+/-0.000 χ^2/NDF:8643906.8/47

Out: 0.000+/-0.000 χ^2/NDF:7475956.7/51

All: 0.000+/-0.000 χ^2/NDF: 16228665.4/99

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

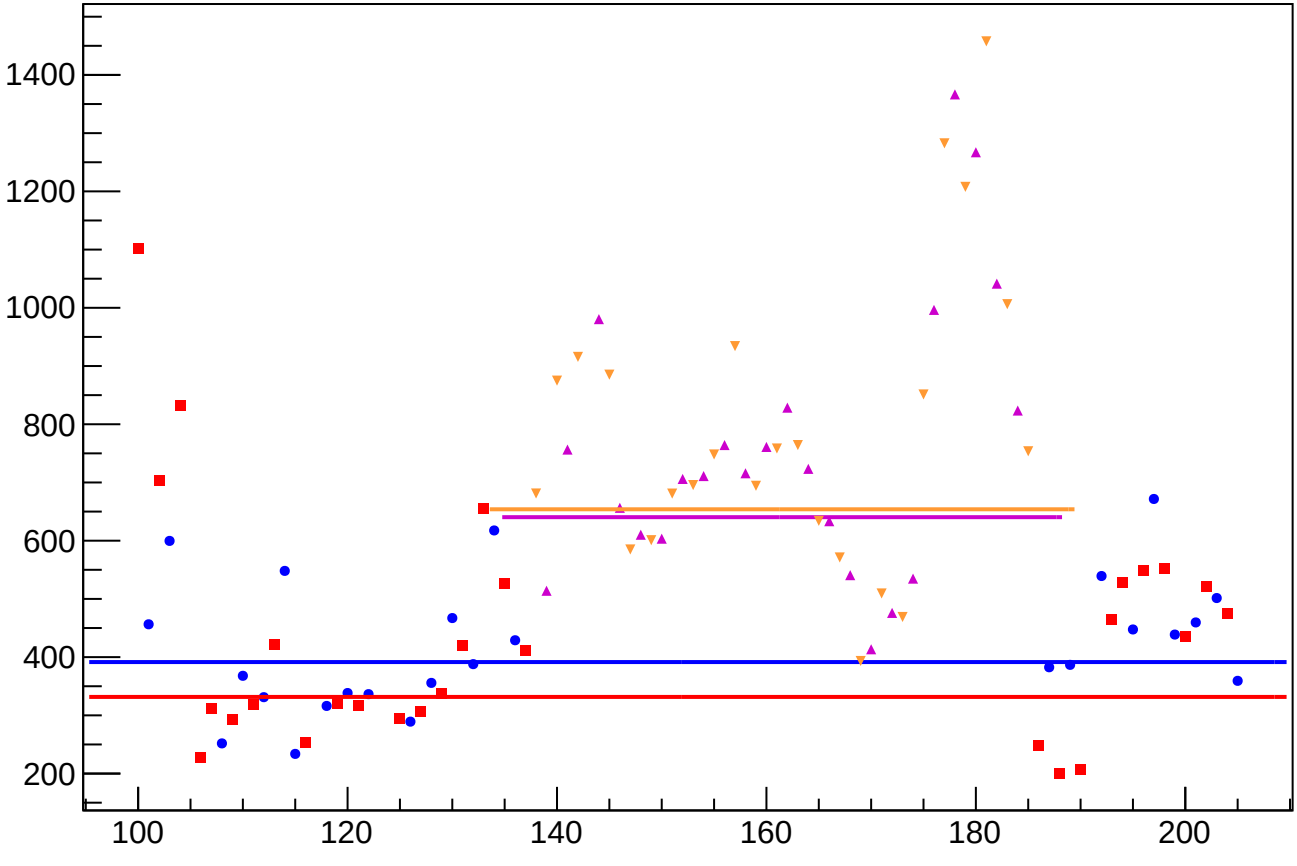
Right: -0.042+/-0.072 χ^2/NDF: 59.1/52

In: -0.140+/-0.091 χ^2/NDF:47.2/47

Out: 0.009+/-0.082 χ^2/NDF:70.8/51

All: -0.058+/-0.061 χ^2/NDF: 119.5/99

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 391.533+/-0.078 χ^2/NDF: 1495095.1/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 331.657+/-0.067 χ^2/NDF: 3581070.8/27

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

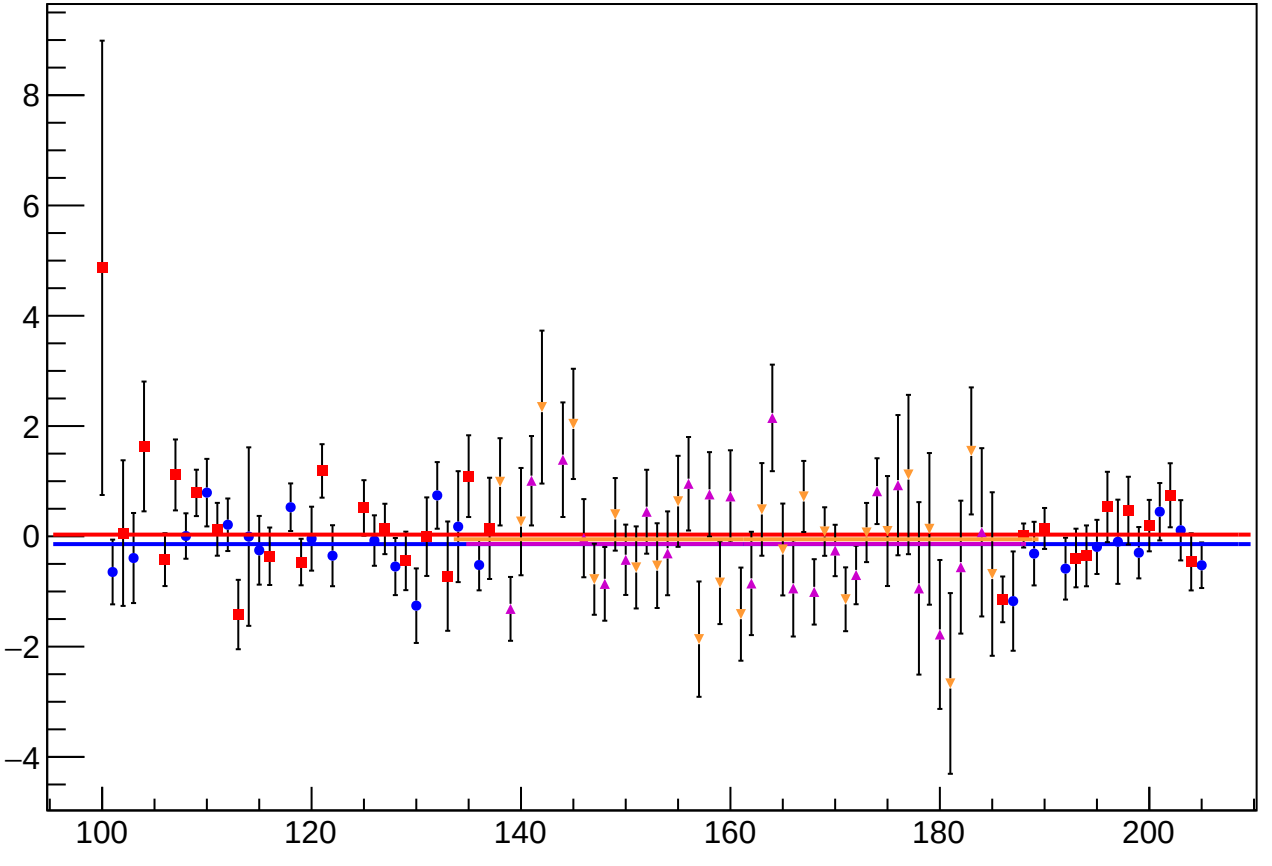
Right: 357.229+/-0.051 χ^2/NDF: 5412557.7/52

In: 473.374+/-0.064 χ^2/NDF:7478654.0/47

Out: 415.168+/-0.058 χ^2/NDF:12618515.4/51

All: 441.443+/-0.043 χ^2/NDF: 20550716.0/99

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

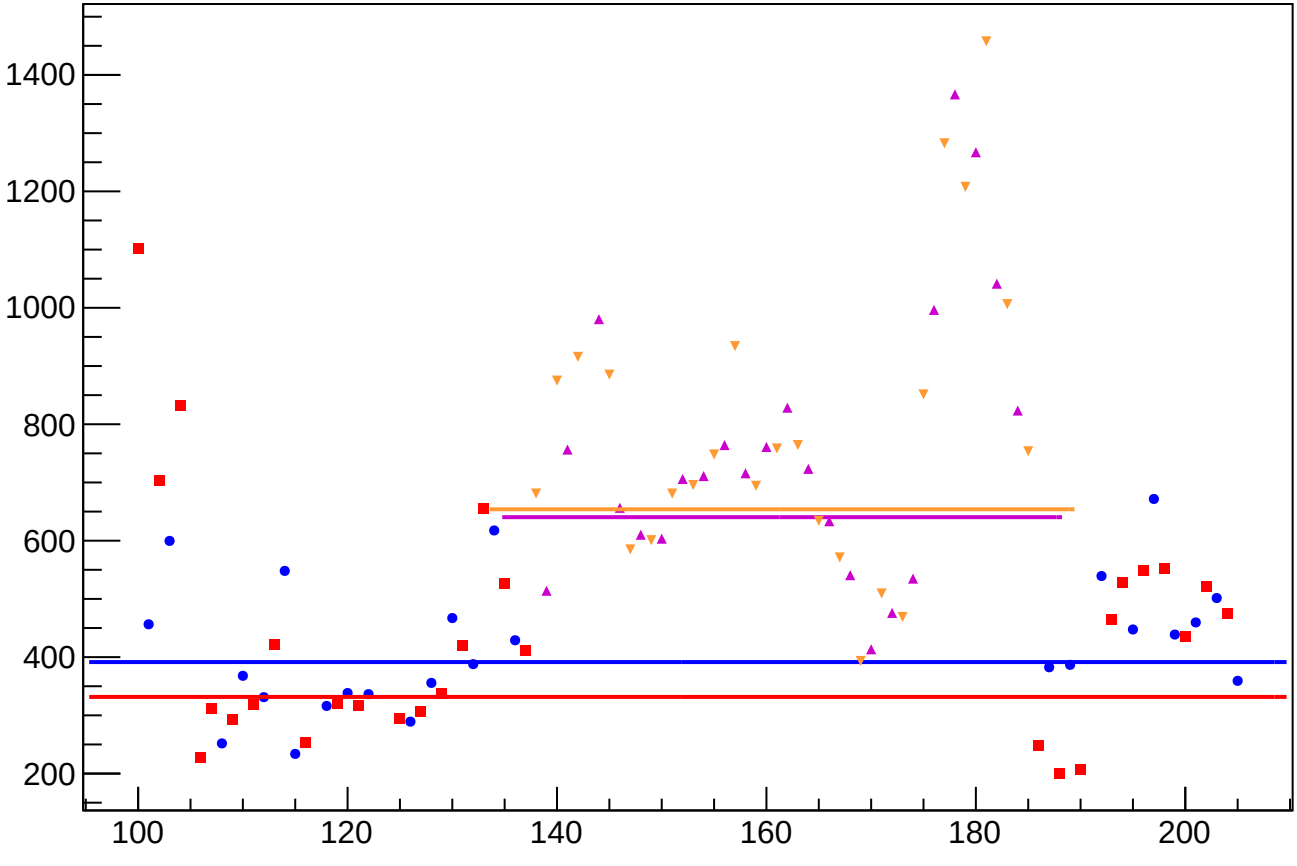
Right: -0.042+/-0.072 χ^2/NDF: 59.1/52

In: -0.140+/-0.091 χ^2/NDF:47.2/47

Out: 0.009+/-0.082 χ^2/NDF:70.8/51

All: -0.058+/-0.061 χ^2/NDF: 119.5/99

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 391.533+/-0.078 χ^2/NDF: 1495095.1/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

Right Out: 331.657+/-0.067 χ^2/NDF: 3581070.8/27

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

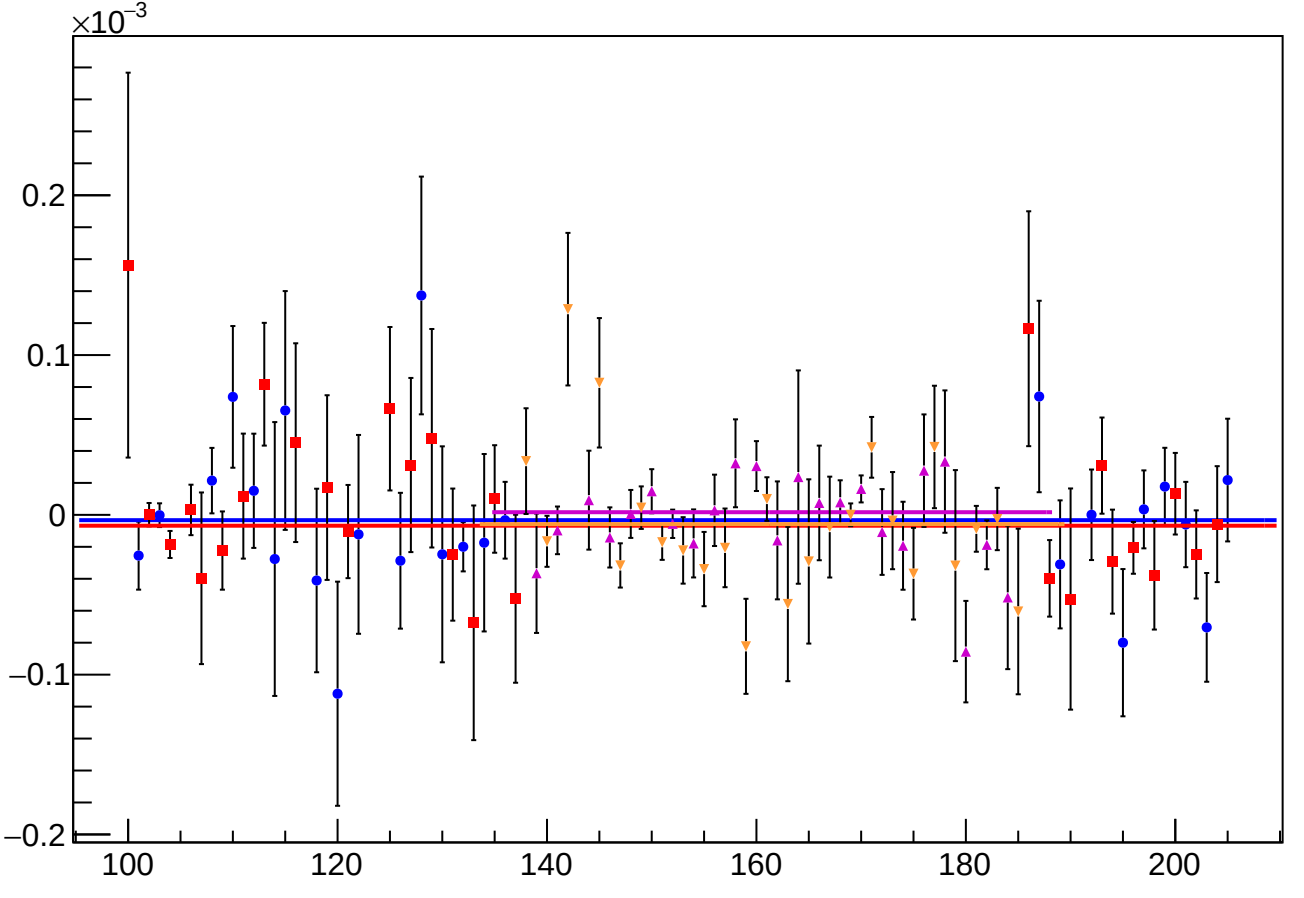
Left: 647.014+/-0.080 χ^2/NDF: 5779634.4/46

Right: 357.229+/-0.051 χ^2/NDF: 5412557.7/52

In: 473.374+/-0.064 χ^2/NDF:7478654.0/47

Out: 415.168+/-0.058 χ^2/NDF:12618515.4/51

All: 441.443+/-0.043 χ^2/NDF: 20550716.0/99



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/27

Left In: 0.000+/-0.000 χ^2/NDF:25.6/22

Left: -0.000+/-0.000 χ^2/NDF: 70.2/46

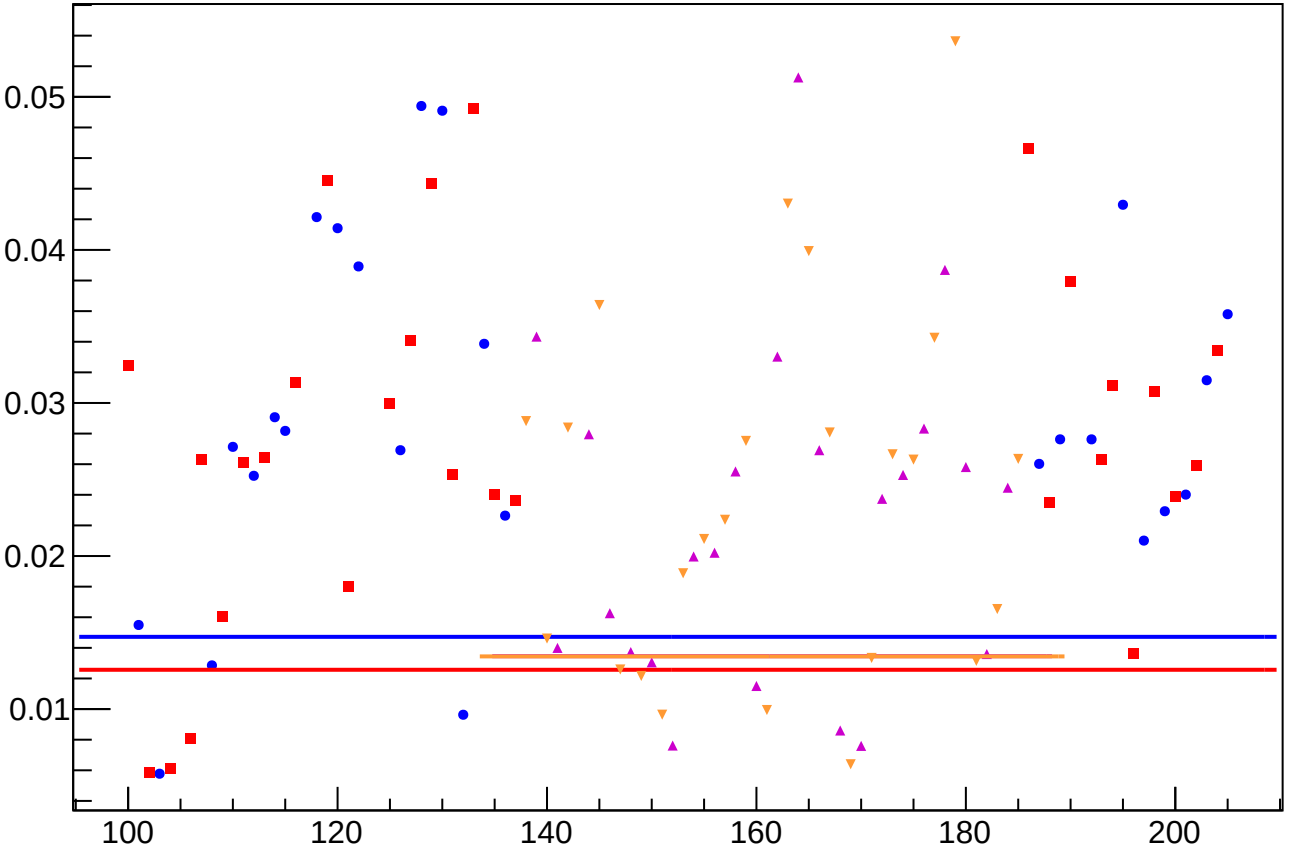
Right: -0.000+/-0.000 χ^2/NDF: 52.5/52

In: -0.000+/-0.000 χ^2/NDF:51.4/47

Out: -0.000+/-0.000 χ^2/NDF:69.7/51

All: -0.000+/-0.000 χ^2/NDF: 123.3/99

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 9343625.1/24

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

Right Out: 0.013+/-0.000 χ^2/NDF: 10877851.9/27

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

Left: 0.013+/-0.000 χ^2/NDF: 16404470.0/46

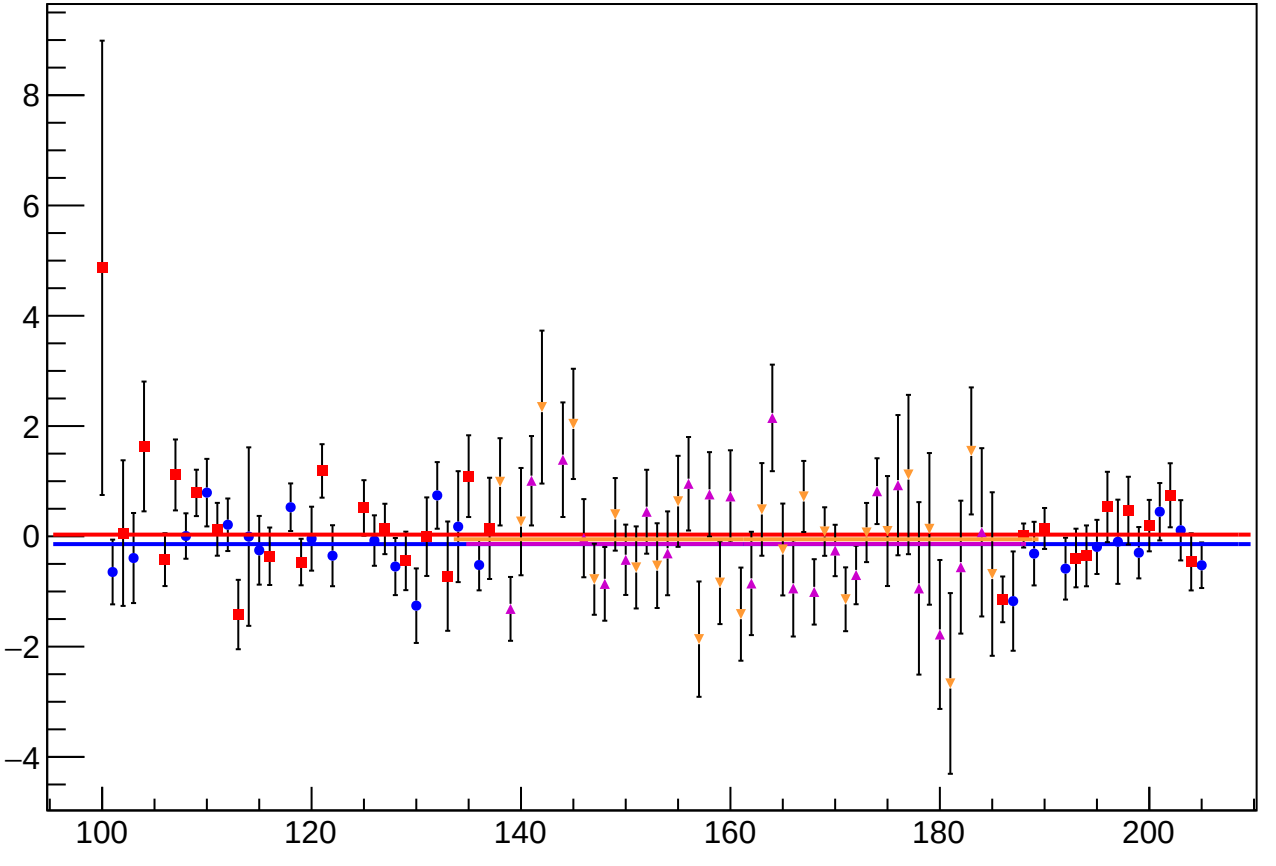
Right: 0.013+/-0.000 χ^2/NDF: 20443607.7/52

In: 0.014+/-0.000 χ^2/NDF:16975662.3/47

Out: 0.013+/-0.000 χ^2/NDF:19782997.0/51

All: 0.013+/-0.000 χ^2/NDF: 36848123.8/99

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

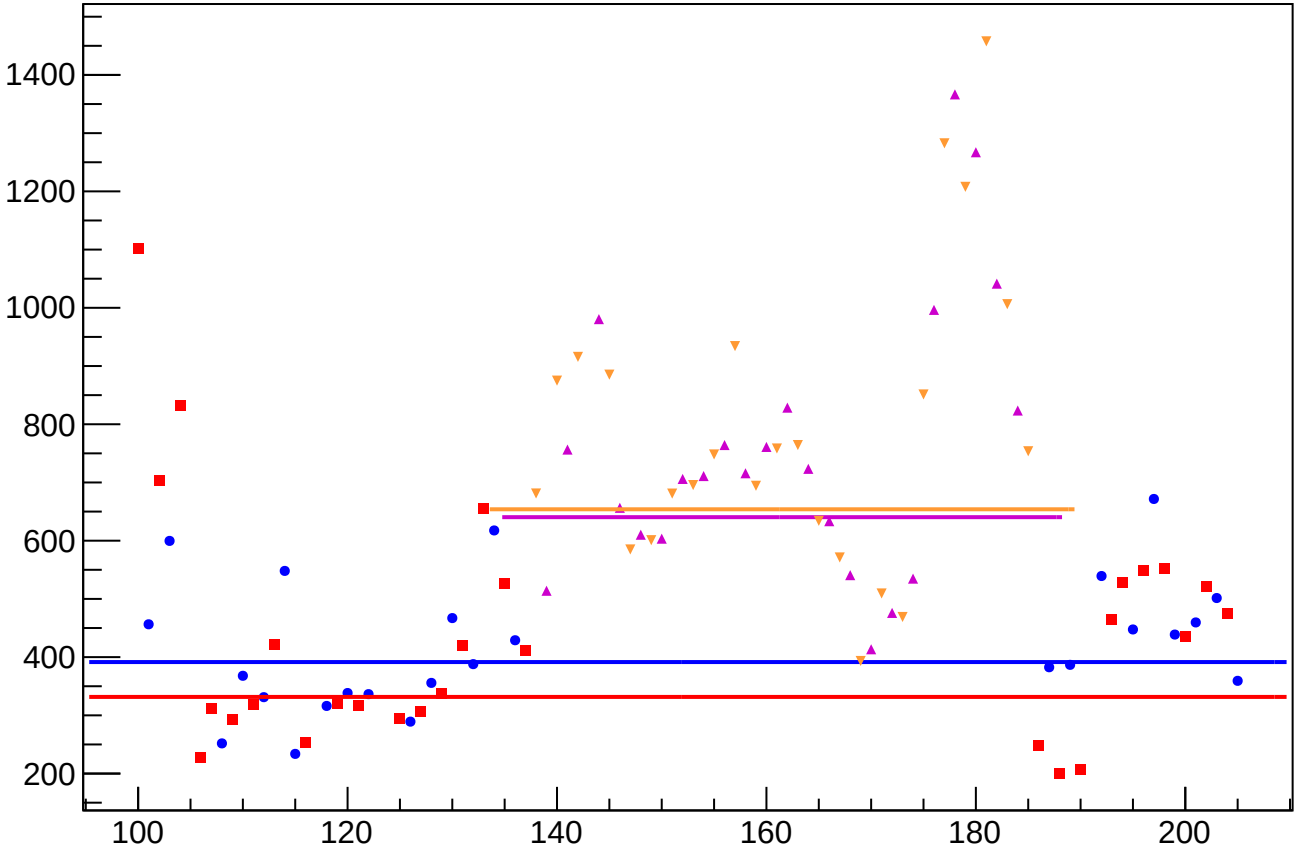
Right: -0.042+/-0.072 χ^2/NDF: 59.1/52

In: -0.140+/-0.091 χ^2/NDF:47.2/47

Out: 0.009+/-0.082 χ^2/NDF:70.8/51

All: -0.058+/-0.061 χ^2/NDF: 119.5/99

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 391.533+/-0.078 χ^2/NDF: 1495085.9/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 331.652+/-0.067 χ^2/NDF: 3581297.6/27

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

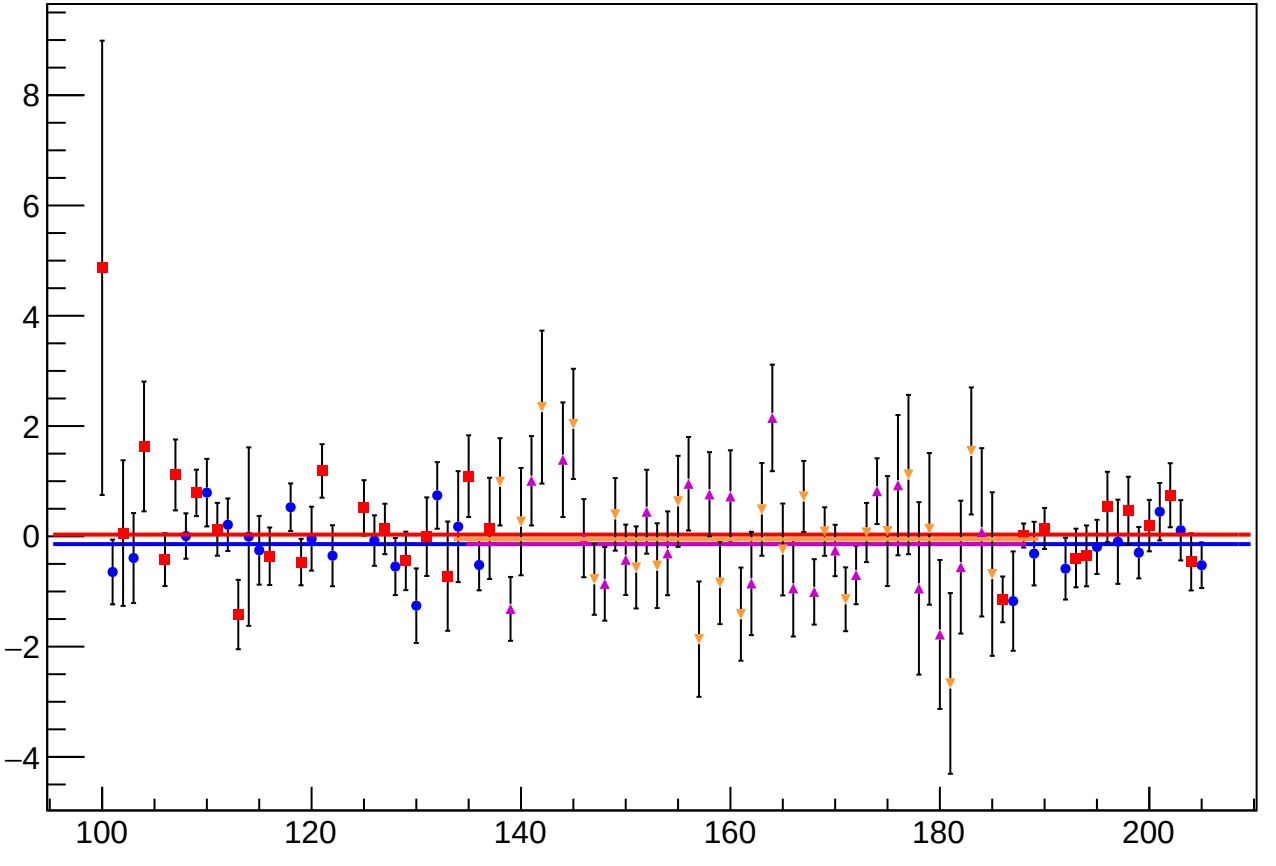
Right: 357.225+/-0.051 χ^2/NDF: 5412841.1/52

In: 473.374+/-0.064 χ^2/NDF:7478854.8/47

Out: 415.162+/-0.058 χ^2/NDF:12619194.8/51

All: 441.440+/-0.043 χ^2/NDF: 20551691.7/99

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

Right Out: 0.031+/-0.095 χ^2/NDF: 40.5/27

Left In: -0.138+/-0.158 χ^2/NDF:30.0/22

Left: -0.096+/-0.113 χ^2/NDF: 60.2/46

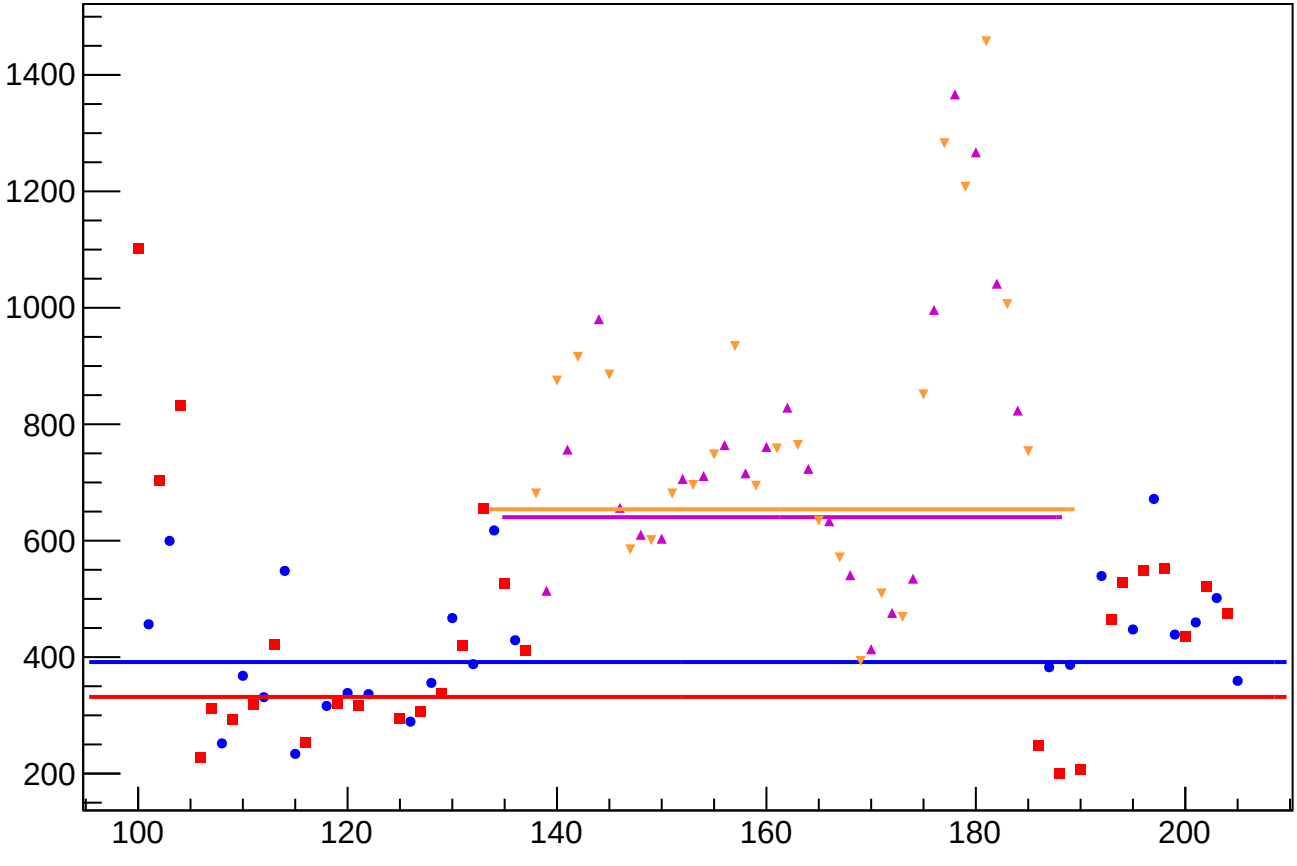
Right: -0.042+/-0.072 χ^2/NDF: 59.1/52

In: -0.140+/-0.091 χ^2/NDF:47.2/47

Out: 0.009+/-0.082 χ^2/NDF:70.8/51

All: -0.058+/-0.061 χ^2/NDF: 119.5/99

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 391.533+/-0.078 χ^2/NDF: 1495085.9/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

Right Out: 331.652+/-0.067 χ^2/NDF: 3581297.6/27

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

Left: 647.016+/-0.080 χ^2/NDF: 5780002.9/46

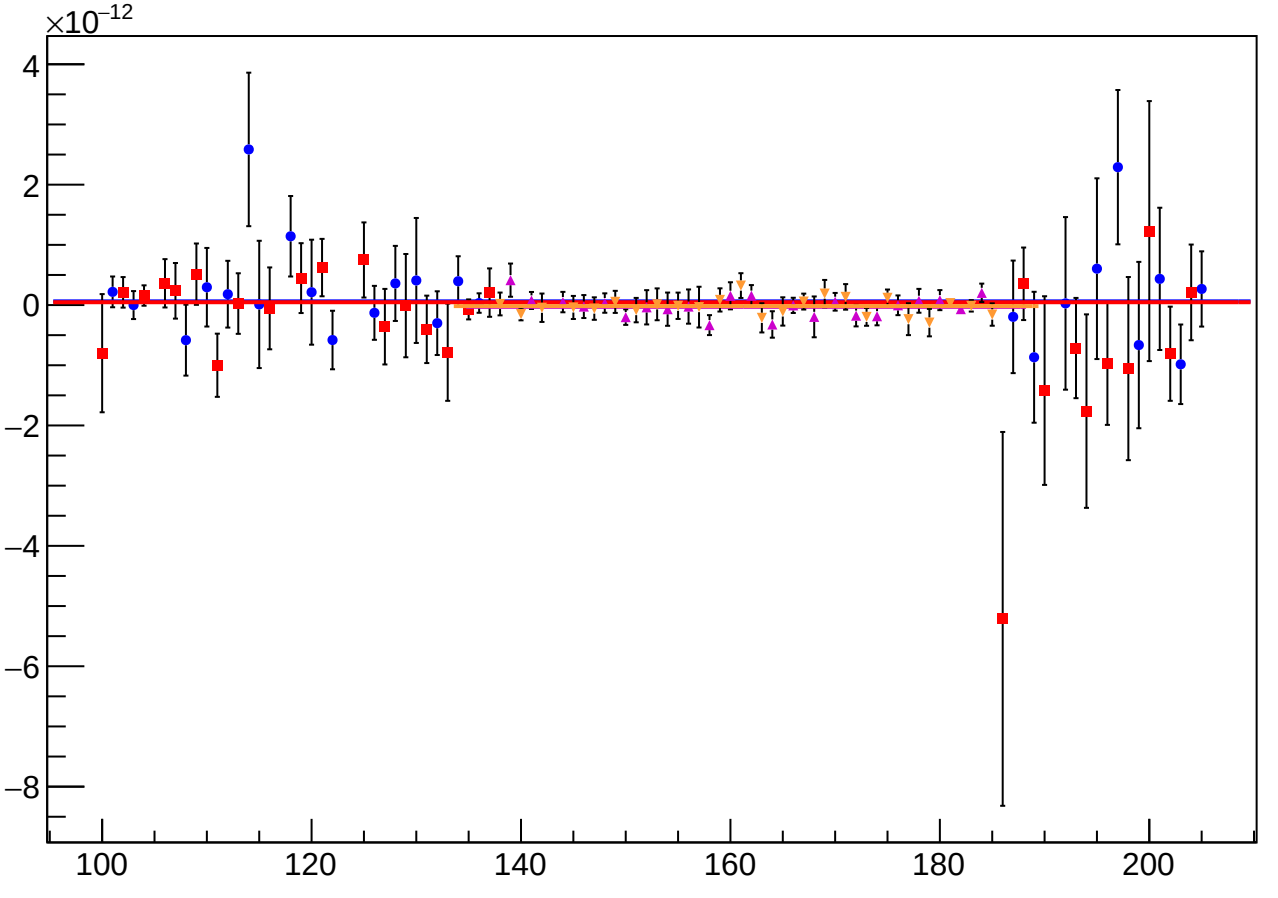
Right: 357.225+/-0.051 χ^2/NDF: 5412841.1/52

In: 473.374+/-0.064 χ^2/NDF:7478854.8/47

Out: 415.162+/-0.058 χ^2/NDF:12619194.8/51

All: 441.440+/-0.043 χ^2/NDF: 20551691.7/99

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 22.4/27

Left In: -0.000+/-0.000 χ^2/NDF:17.9/22

Left: -0.000+/-0.000 χ^2/NDF: 31.0/46

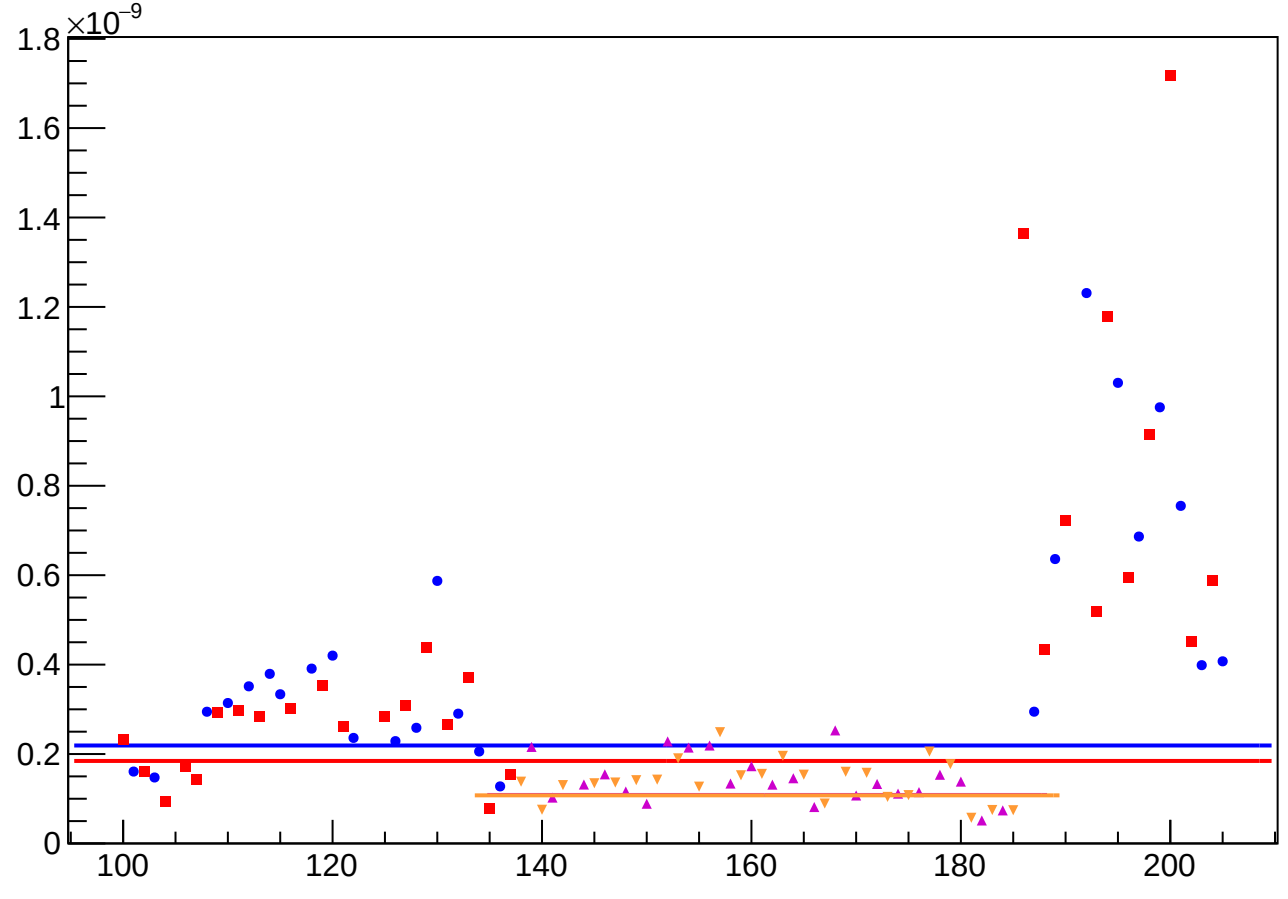
Right: 0.000+/-0.000 χ^2/NDF: 41.2/52

In: -0.000+/-0.000 χ^2/NDF:37.5/47

Out: -0.000+/-0.000 χ^2/NDF:36.0/51

All: -0.000+/-0.000 χ^2/NDF: 73.5/99

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5210464.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6928948.1/27

Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 7322414.2/46

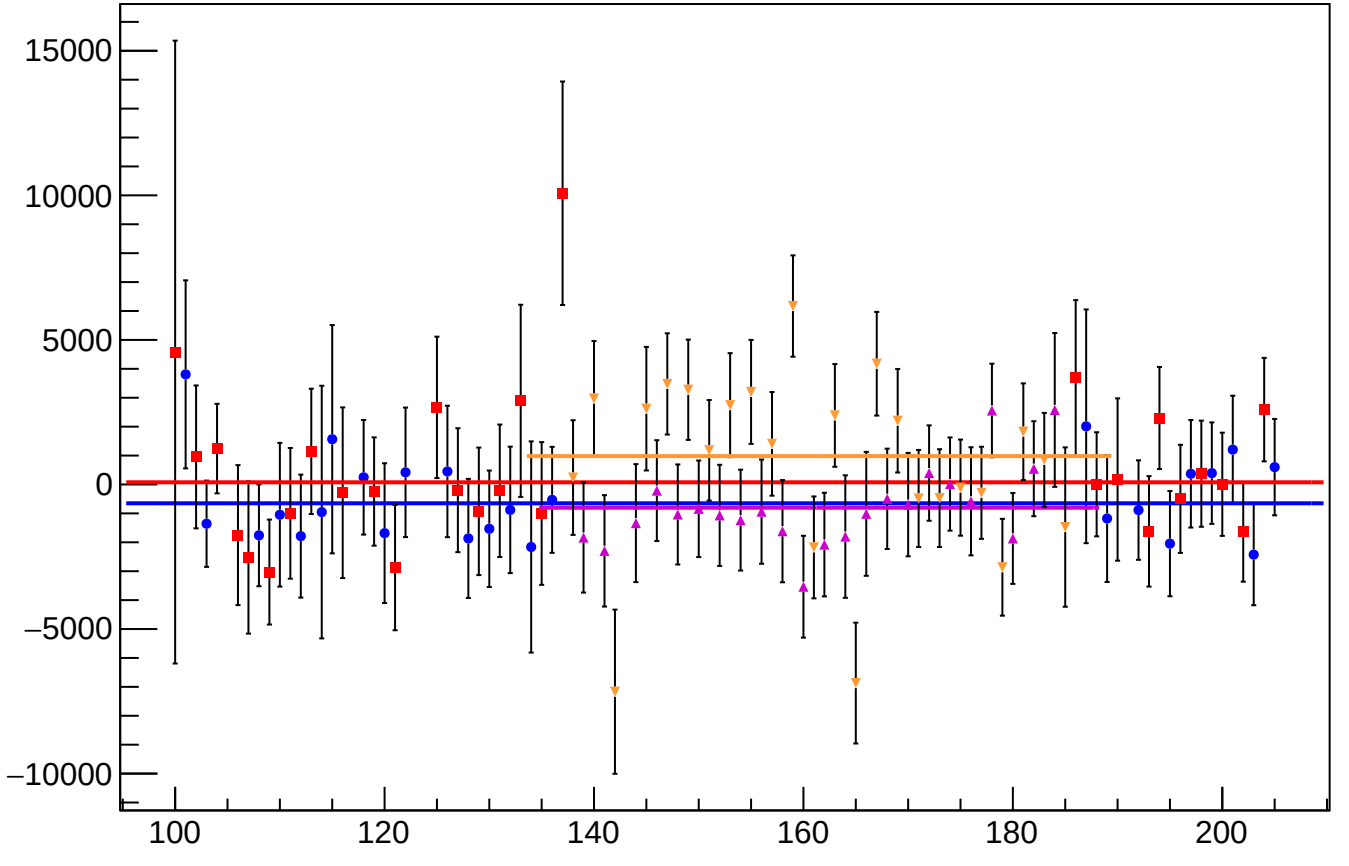
Right: 0.000+/-0.000 χ^2/NDF: 12295125.0/52

In: 0.000+/-0.000 χ^2/NDF:11623614.0/47

Out: 0.000+/-0.000 χ^2/NDF:11878798.4/51

All: 0.000+/-0.000 χ^2/NDF: 23510776.4/99

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



Right In: -650.918+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: 75.742+/-406.636 χ^2/NDF: 23.9/27

Left In: -803.908+/-374.066 χ^2/NDF:12.4/22

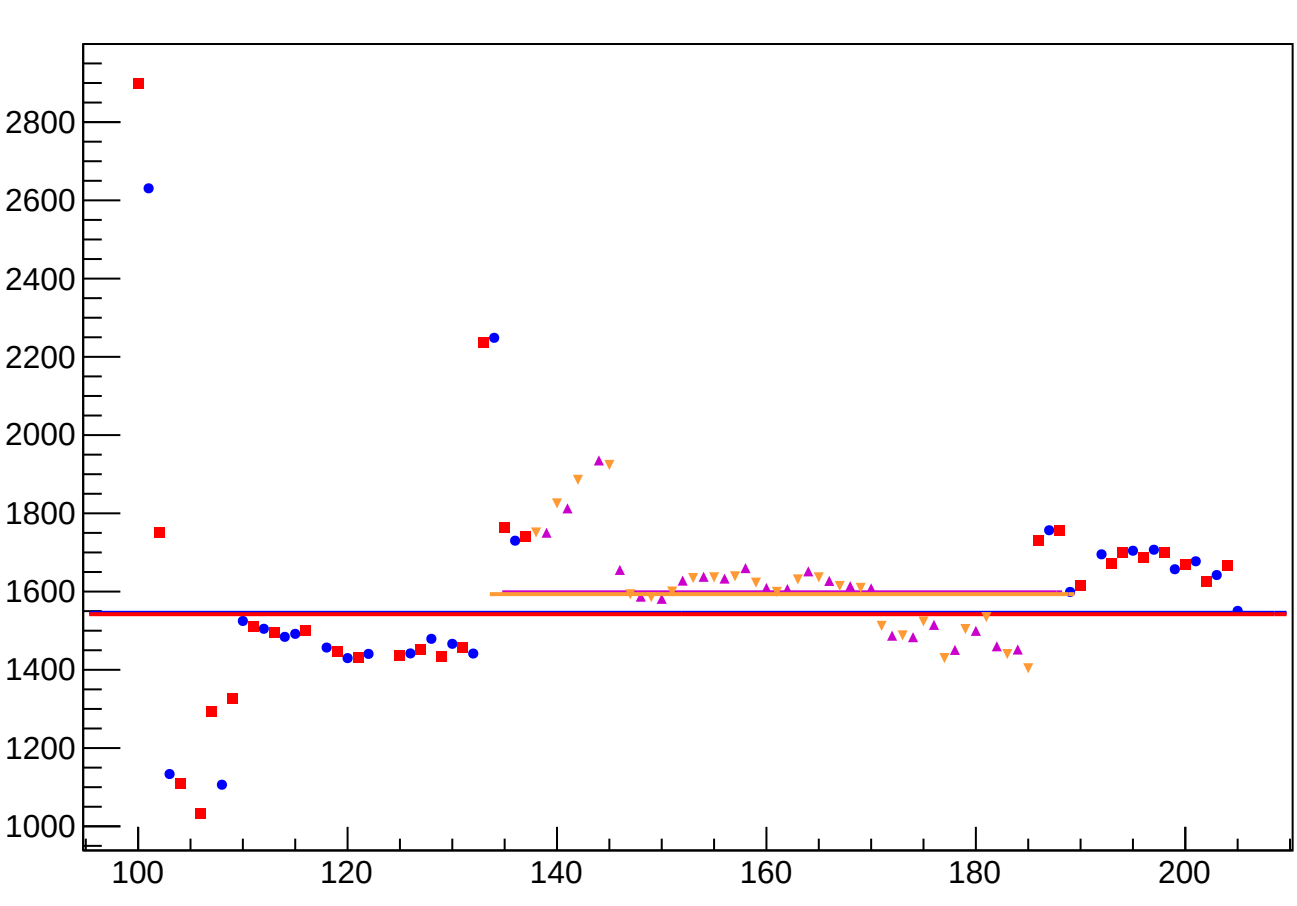
Left: 96.584+/-263.358 χ^2/NDF: 79.5/46

Right: -278.236+/-291.212 χ^2/NDF: 34.5/52

In: -735.736+/-278.522 χ^2/NDF:21.6/47

Out: 570.300+/-274.007 χ^2/NDF:82.2/51

All: -72.047+/-195.329 χ^2/NDF: 114.9/99



Right In: 1545.714+/-0.295 χ^2/NDF: 698844.7/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1542.159+/-0.286 χ^2/NDF: 613938.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

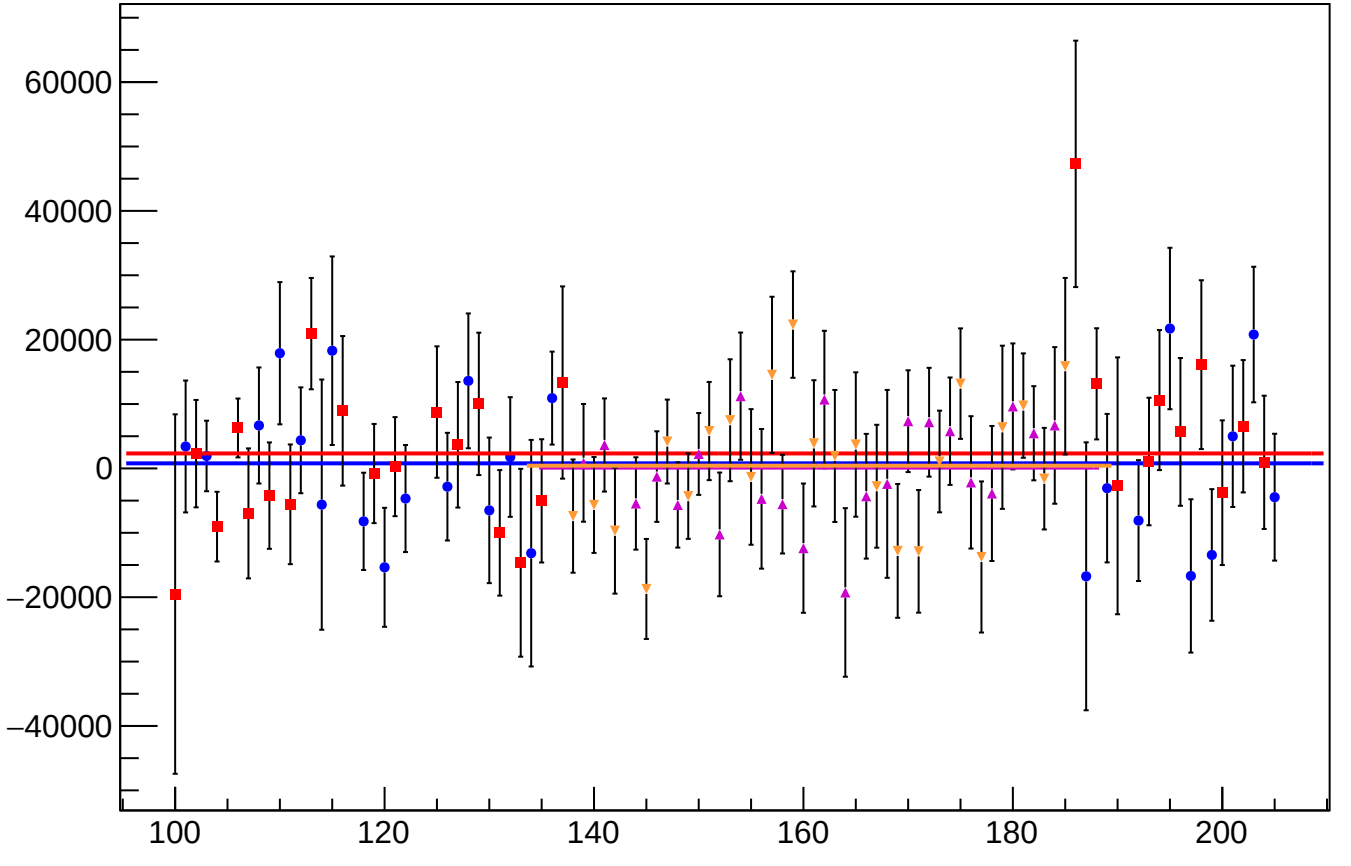
Right: 1543.884+/-0.205 χ^2/NDF: 1312858.2/52

In: 1574.767+/-0.197 χ^2/NDF:885493.5/47

Out: 1570.074+/-0.193 χ^2/NDF:819023.7/51

All: 1572.378+/-0.138 χ^2/NDF: 1704806.3/99

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 789.549+/-1938.140 χ^2/NDF: 26.9/24

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: 2326.797+/-1755.217 χ^2/NDF: 27.6/27

Left In: 126.369+/-1814.830 χ^2/NDF:13.9/22

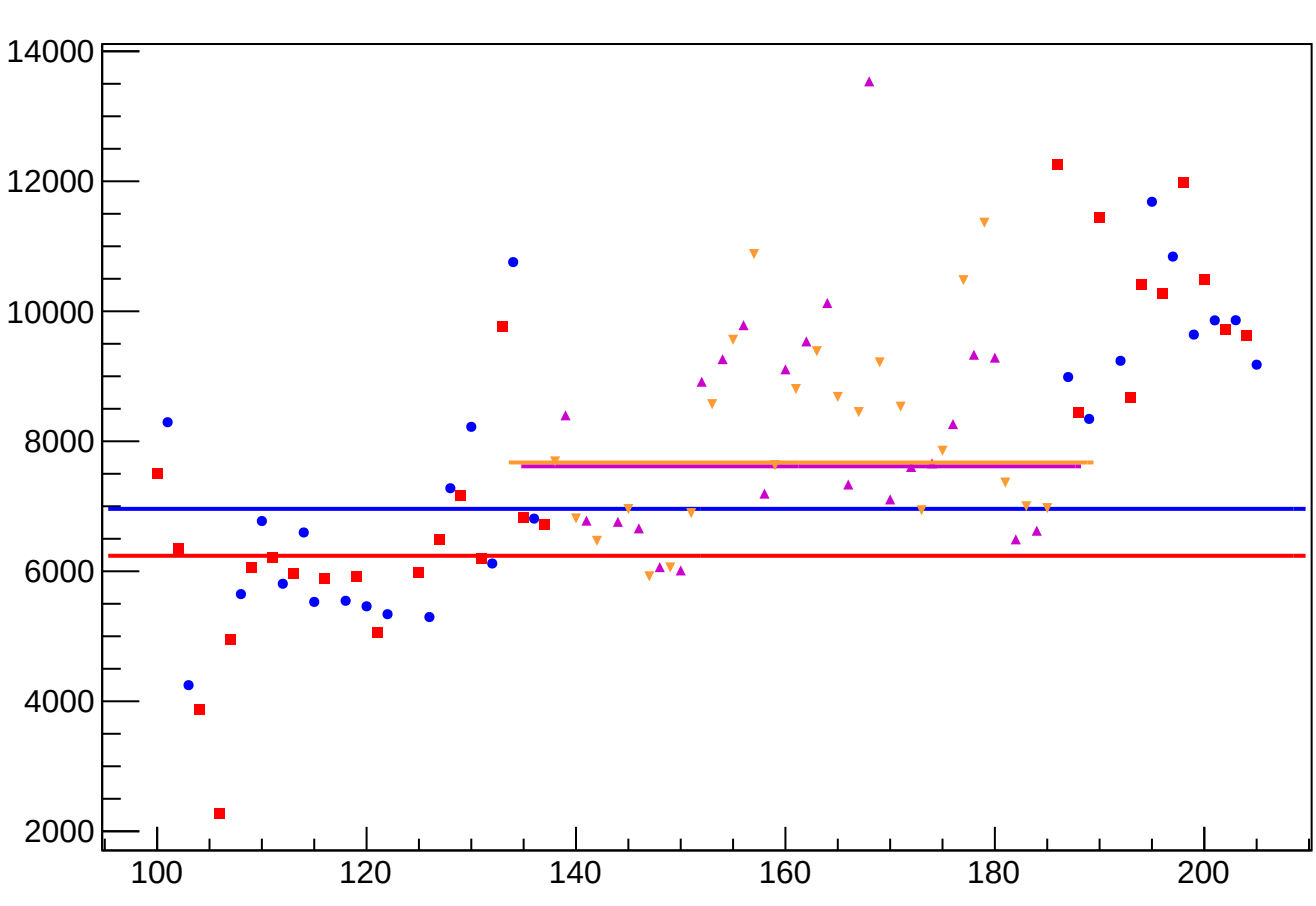
Left: 276.118+/-1285.060 χ^2/NDF: 43.3/46

Right: 1634.123+/-1301.001 χ^2/NDF: 54.9/52

In: 436.193+/-1324.728 χ^2/NDF:40.8/47

Out: 1411.104+/-1263.367 χ^2/NDF:57.5/51

All: 946.750+/-914.259 χ^2/NDF: 98.7/99



Right In: 6960.413+/-1.370 χ^2/NDF: 2234033.9/24

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6238.682+/-1.241 χ^2/NDF: 4363592.2/27

Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

Left: 7644.435+/-0.909 χ^2/NDF: 2302291.0/46

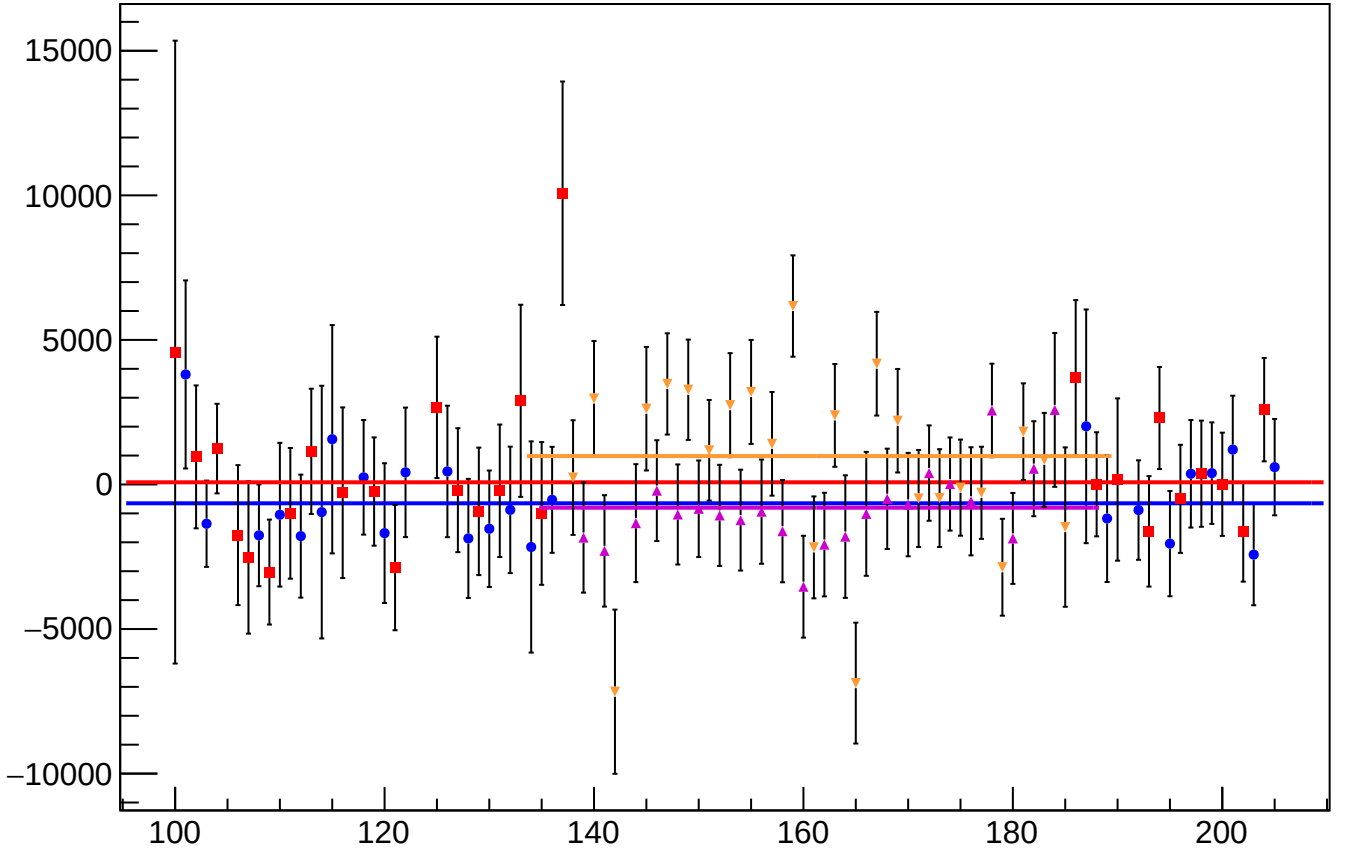
Right: 6563.890+/-0.920 χ^2/NDF: 6749997.8/52

In: 7309.177+/-0.937 χ^2/NDF:3580100.1/47

Out: 6930.419+/-0.893 χ^2/NDF:6084883.4/51

All: 7110.823+/-0.646 χ^2/NDF: 9750604.4/99

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug, Sign Corrected



Right In: -650.961+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 75.796+/-406.636 χ^2/NDF: 23.9/27

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

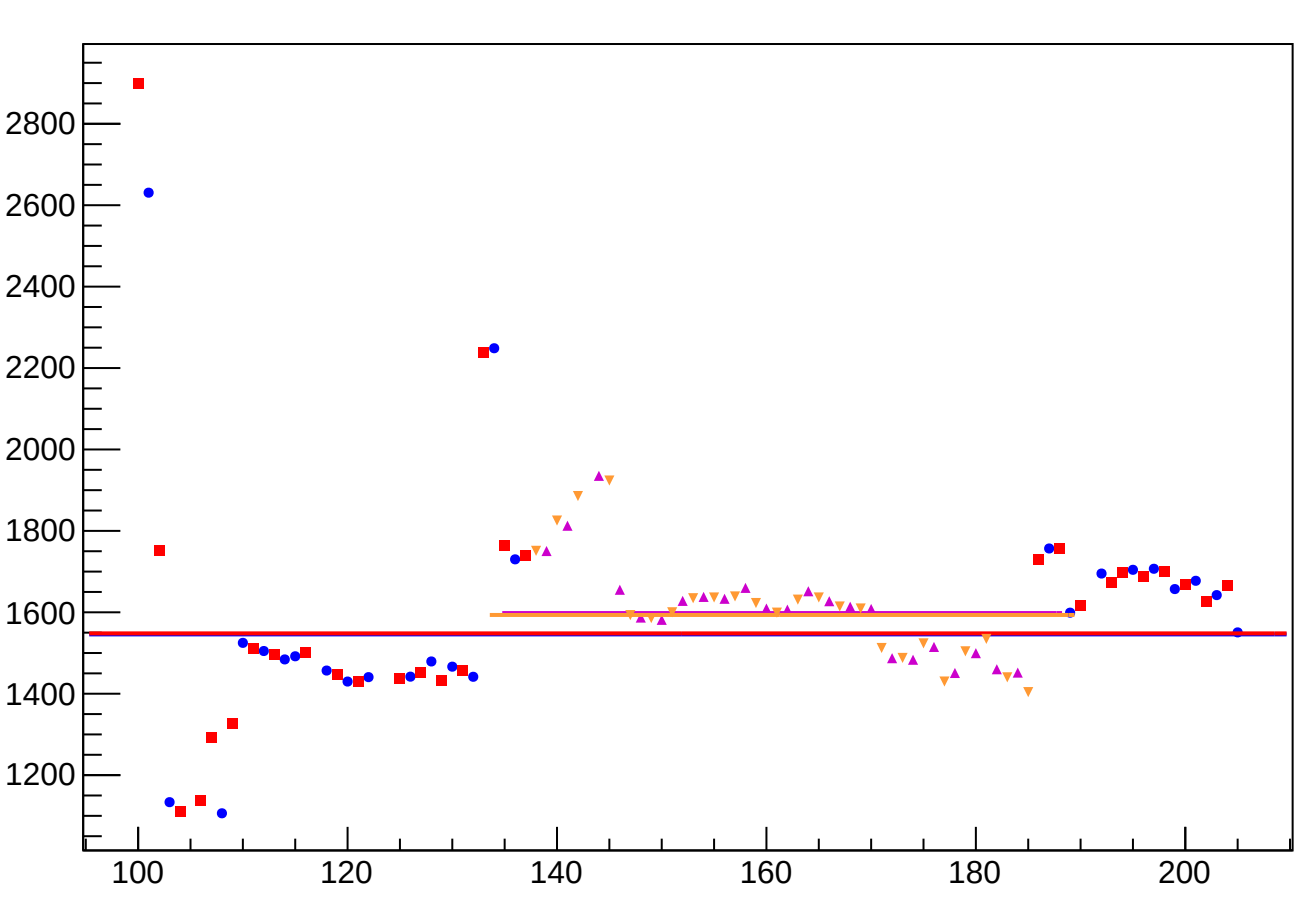
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -278.229+/-291.212 χ^2/NDF: 34.5/52

In: -735.685+/-278.522 χ^2/NDF:21.6/47

Out: 570.371+/-274.007 χ^2/NDF:82.2/51

All: -71.987+/-195.329 χ^2/NDF: 114.9/99



Right In: 1545.714+/-0.295 χ^2/NDF: 698845.1/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1548.226+/-0.287 χ^2/NDF: 560462.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

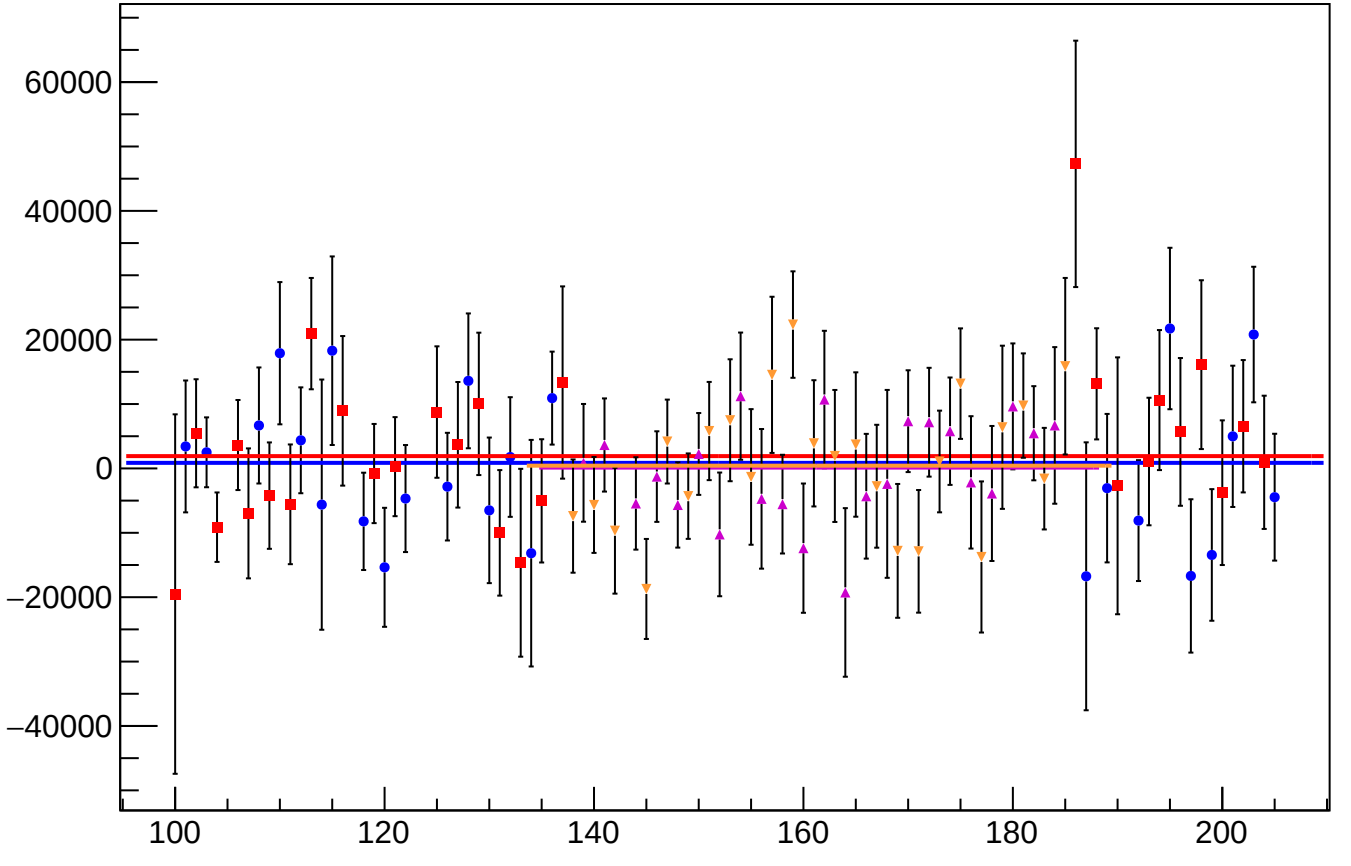
Right: 1547.004+/-0.206 χ^2/NDF: 1259345.1/52

In: 1574.767+/-0.197 χ^2/NDF:885494.0/47

Out: 1572.905+/-0.194 χ^2/NDF:761619.3/51

All: 1573.820+/-0.138 χ^2/NDF: 1647158.7/99

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 865.211+/-1935.787 χ^2/NDF: 27.0/24

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1912.045+/-1834.185 χ^2/NDF: 27.1/27

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

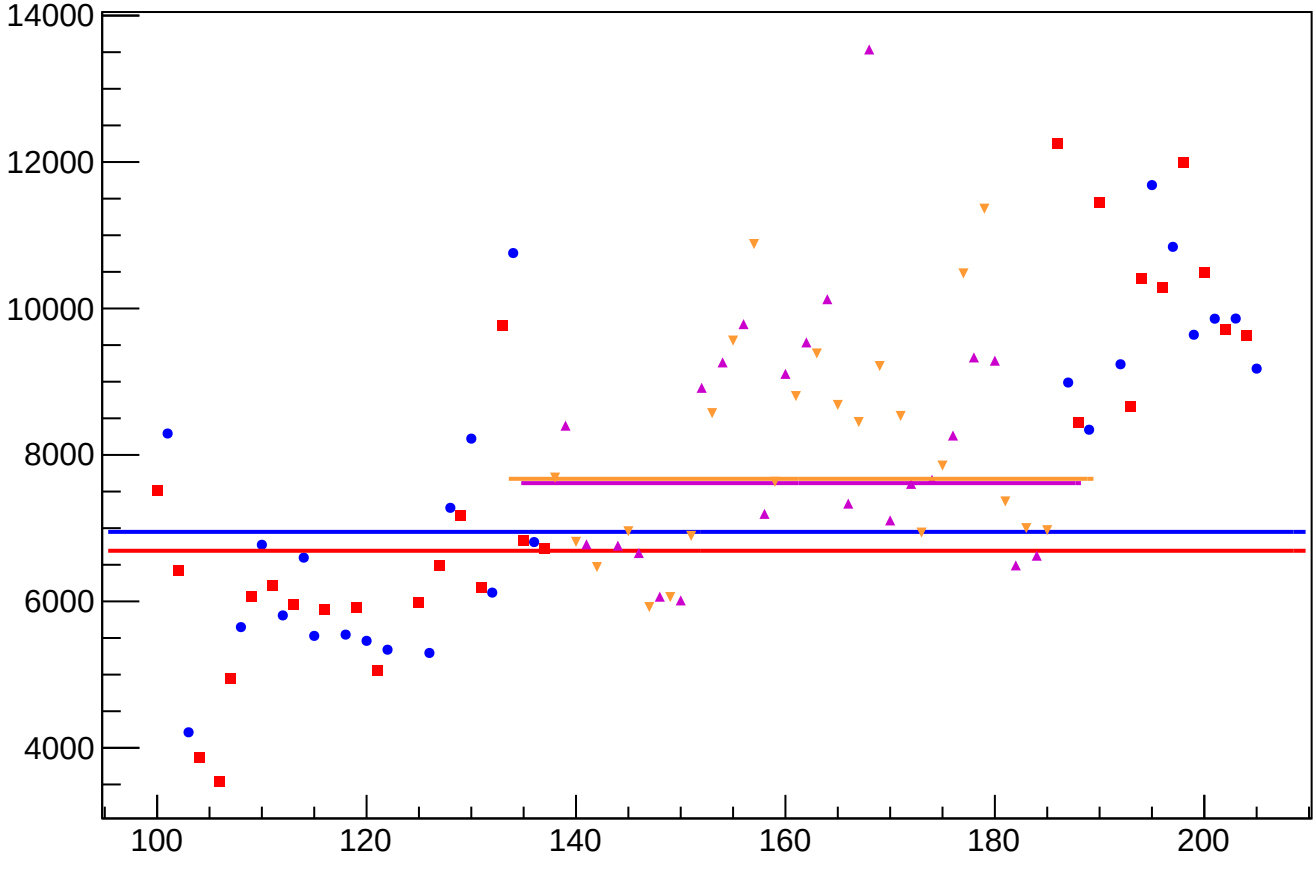
Right: 1416.820+/-1331.435 χ^2/NDF: 54.2/52

In: 471.990+/-1323.975 χ^2/NDF:40.9/47

Out: 1163.558+/-1291.877 χ^2/NDF:56.8/51

All: 826.259+/-924.635 χ^2/NDF: 97.8/99

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 6949.275+/-1.369 χ^2/NDF: 2256699.7/24

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 6691.201+/-1.297 χ^2/NDF: 3040748.6/27

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

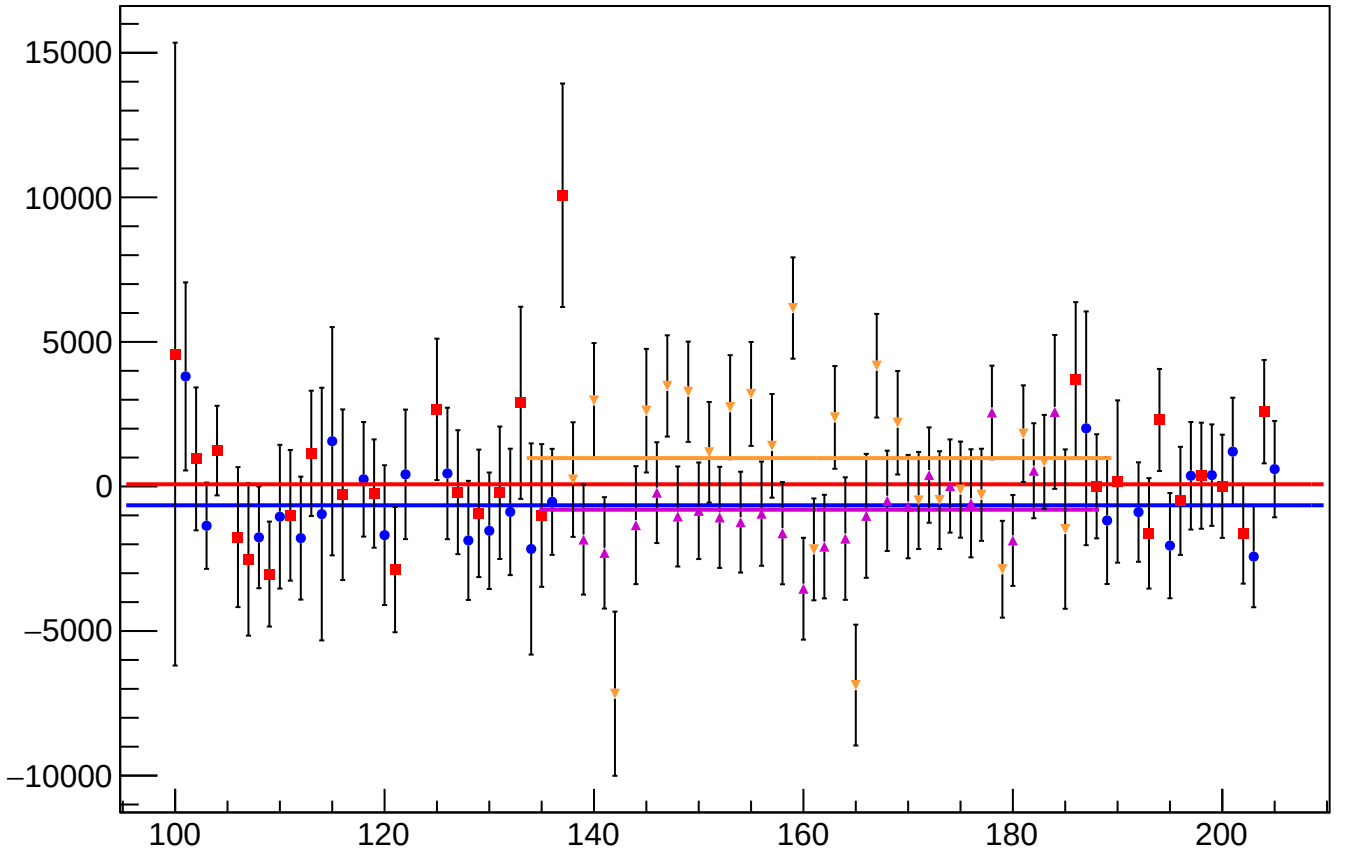
Left: 7644.431+/-0.909 χ^2/NDF: 2302295.7/46

Right: 6813.288+/-0.941 χ^2/NDF: 5316179.2/52

In: 7303.566+/-0.936 χ^2/NDF:3607102.3/47

Out: 7186.480+/-0.913 χ^2/NDF:4406852.7/51

All: 7243.586+/-0.654 χ^2/NDF: 8021967.7/99



Right In: -650.961+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: 75.796+/-406.636 χ^2/NDF: 23.9/27

Left In: -803.783+/-374.066 χ^2/NDF:12.4/22

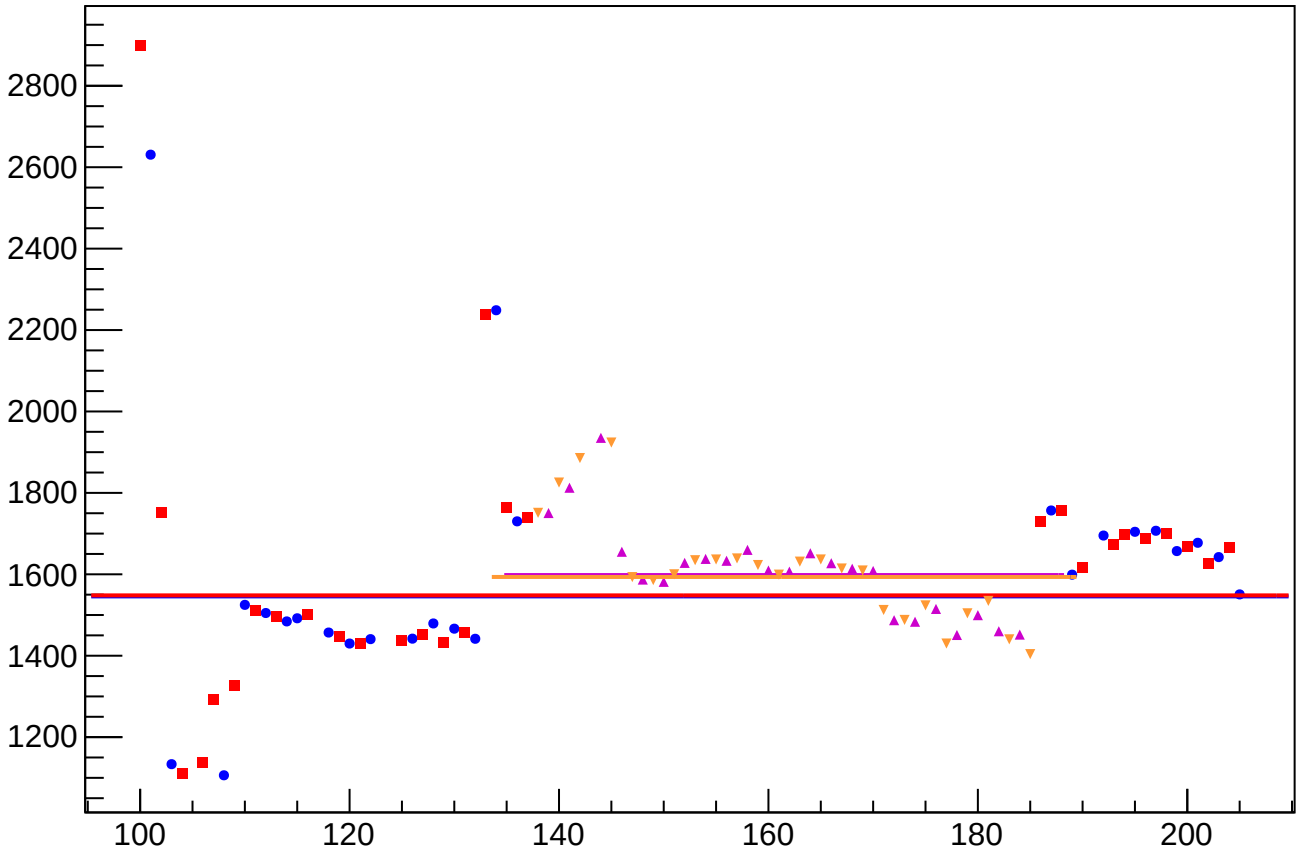
Left: 96.688+/-263.358 χ^2/NDF: 79.5/46

Right: -278.229+/-291.212 χ^2/NDF: 34.5/52

In: -735.685+/-278.522 χ^2/NDF:21.6/47

Out: 570.371+/-274.007 χ^2/NDF:82.2/51

All: -71.987+/-195.329 χ^2/NDF: 114.9/99



Right In: 1545.714+/-0.295 χ^2/NDF: 698845.1/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

Right Out: 1548.226+/-0.287 χ^2/NDF: 560462.7/27

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

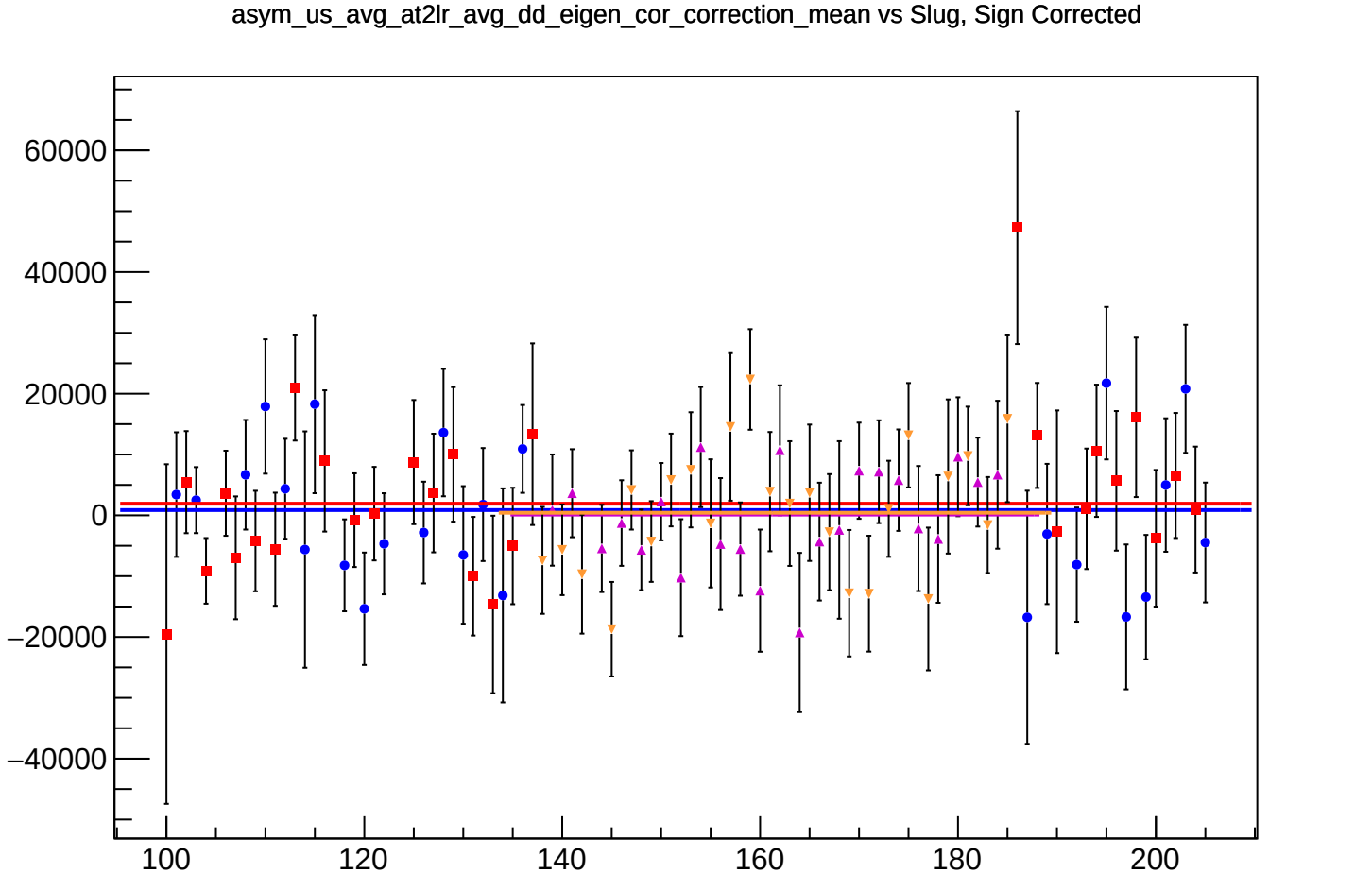
Left: 1595.780+/-0.186 χ^2/NDF: 356926.4/46

Right: 1547.004+/-0.206 χ^2/NDF: 1259345.1/52

In: 1574.767+/-0.197 χ^2/NDF:885494.0/47

Out: 1572.905+/-0.194 χ^2/NDF:761619.3/51

All: 1573.820+/-0.138 χ^2/NDF: 1647158.7/99



Right In: 865.211+/-1935.787 χ^2/NDF: 27.0/24

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

Right Out: 1912.045+/-1834.185 χ^2/NDF: 27.1/27

Left In: 126.376+/-1814.828 χ^2/NDF:13.9/22

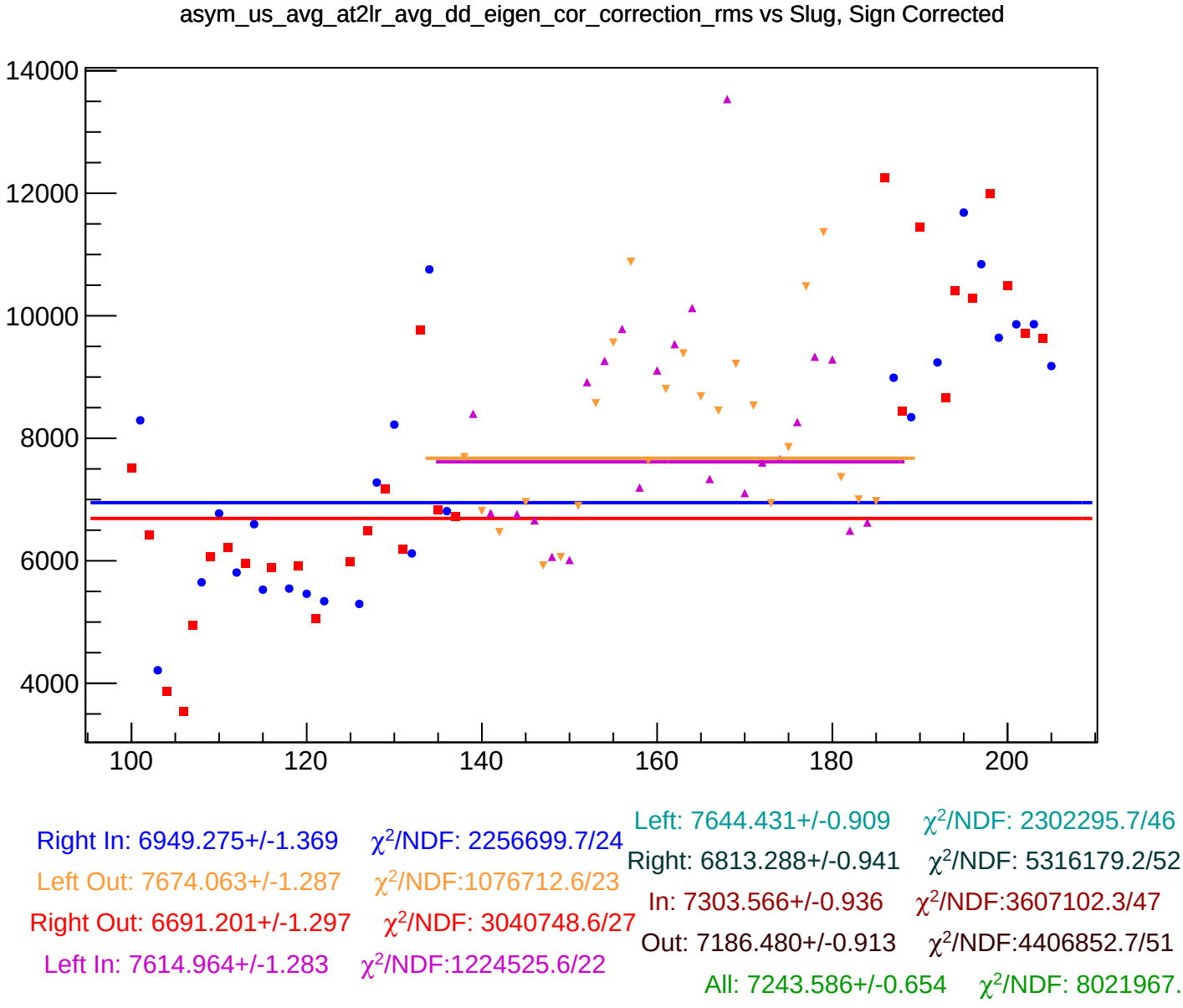
Left: 276.121+/-1285.059 χ^2/NDF: 43.3/46

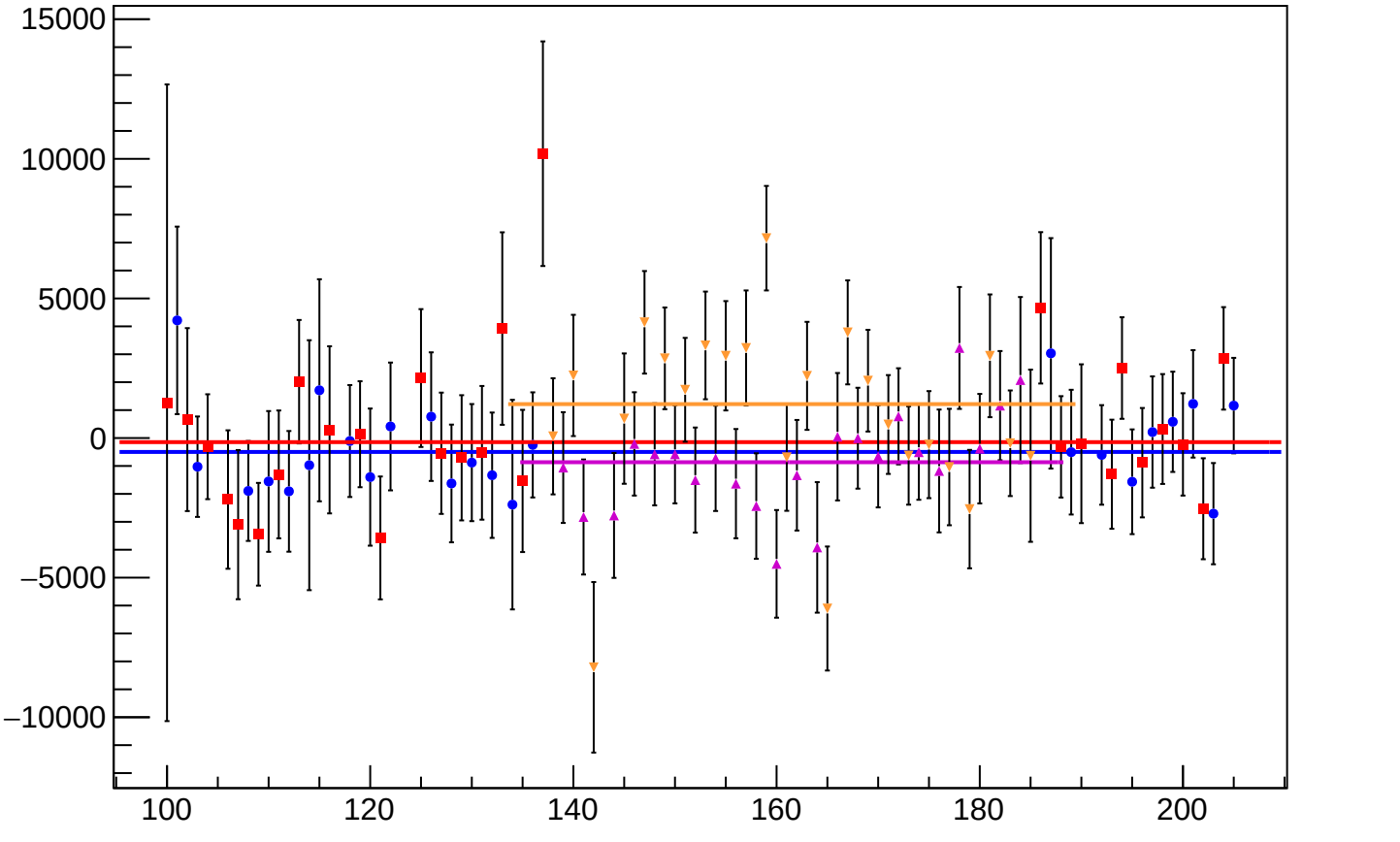
Right: 1416.820+/-1331.435 χ^2/NDF: 54.2/52

In: 471.990+/-1323.975 χ^2/NDF:40.9/47

Out: 1163.558+/-1291.877 χ^2/NDF:56.8/51

All: 826.259+/-924.635 χ^2/NDF: 97.8/99


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs Slug, Sign Corrected
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
Right In: 6949.275+/-1.369 χ²/NDF: 2256699.7/24
Left Out: 7674.063+/-1.287 χ²/NDF:1076712.6/23
Right Out: 6691.201+/-1.297 χ²/NDF: 3040748.6/27
Left In: 7614.964+/-1.283 χ²/NDF:1224525.6/22
Left: 7644.431+/-0.909 χ²/NDF: 2302295.7/46
Right: 6813.288+/-0.941 χ²/NDF: 5316179.2/52
In: 7303.566+/-0.936 χ²/NDF:3607102.3/47
Out: 7186.480+/-0.913 χ²/NDF:4406852.7/51
All: 7243.586+/-0.654 χ²/NDF: 8021967.7/99



Right In: -497.750+/-433.207 χ^2/NDF: 9.7/24

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -146.483+/-423.698 χ^2/NDF: 28.4/27

Left In: -866.022+/-410.038 χ^2/NDF:15.1/22

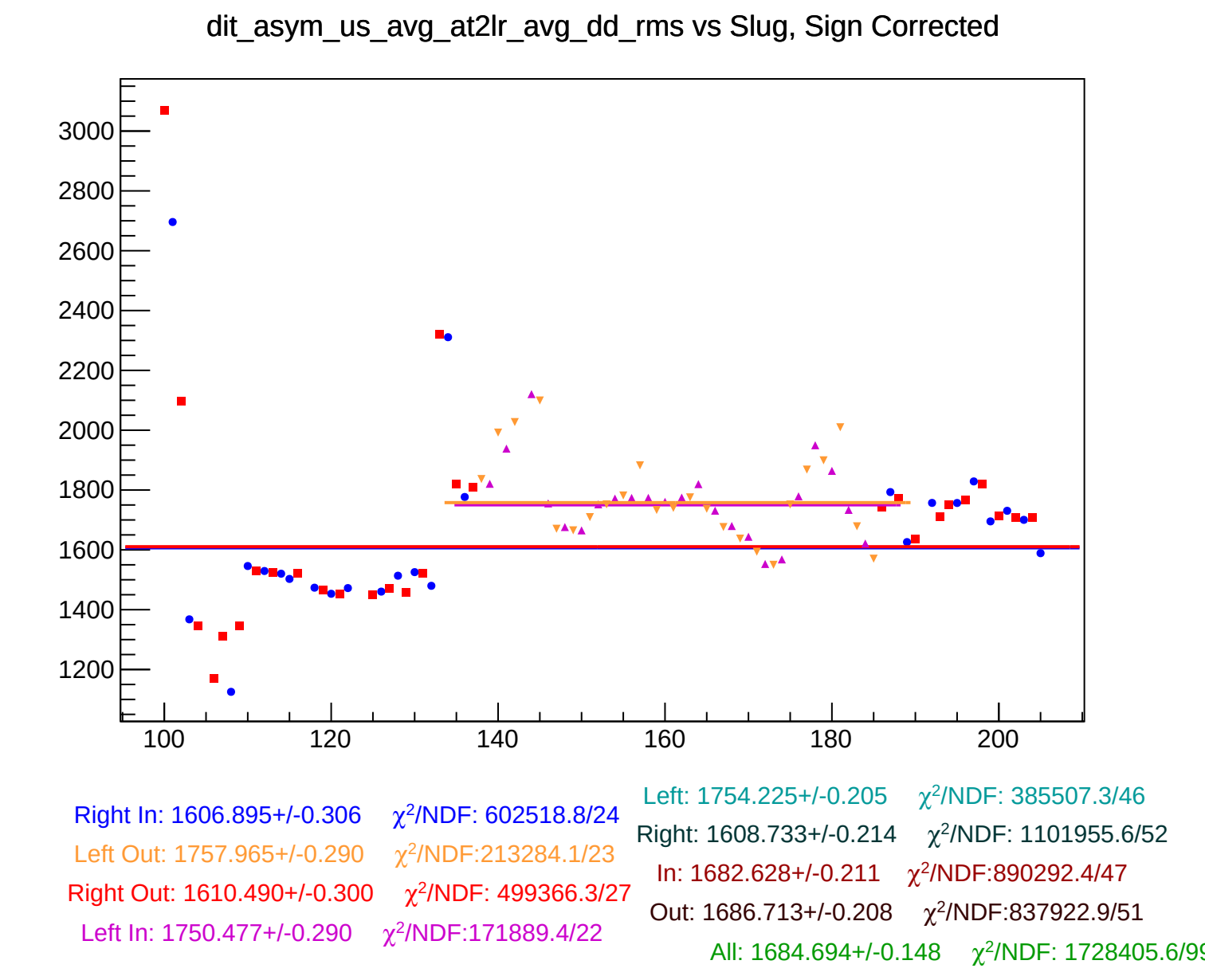
Left: 175.818+/-289.780 χ^2/NDF: 76.5/46

Right: -318.219+/-302.906 χ^2/NDF: 38.5/52

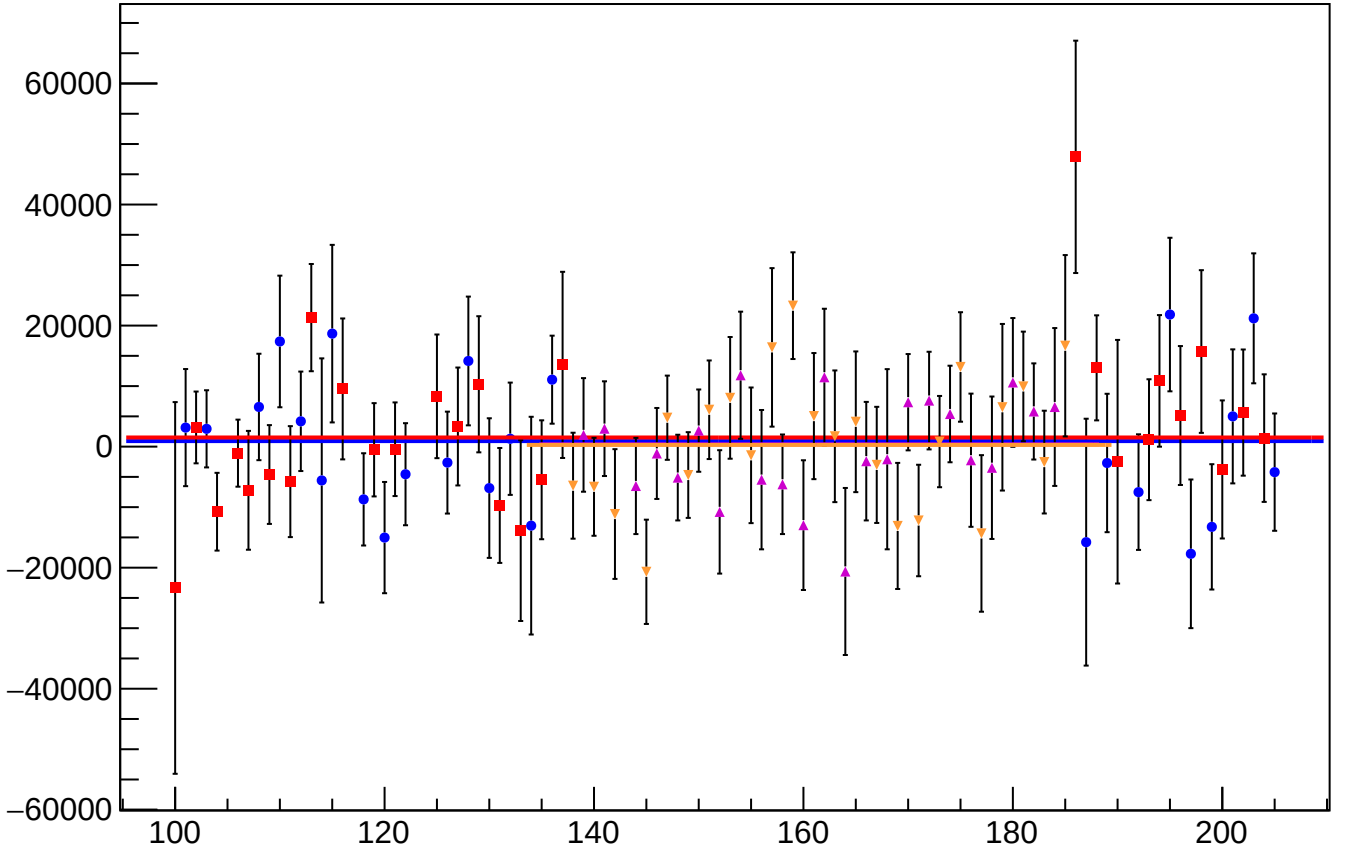
In: -691.997+/-297.795 χ^2/NDF:25.2/47

Out: 557.494+/-294.483 χ^2/NDF:82.2/51

All: -60.265+/-209.392 χ^2/NDF: 116.3/99


dit_asym_us_avg_at2lr_avg_dd_rms vs Slug, Sign Corrected
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
100
120
140
160
180
200
Right In: 1606.895+/-0.306 χ²/NDF: 602518.8/24
Left Out: 1757.965+/-0.290 χ²/NDF:213284.1/23
Right Out: 1610.490+/-0.300 χ²/NDF: 499366.3/27
Left In: 1750.477+/-0.290 χ²/NDF:171889.4/22
Left: 1754.225+/-0.205 χ²/NDF: 385507.3/46
Right: 1608.733+/-0.214 χ²/NDF: 1101955.6/52
In: 1682.628+/-0.211 χ²/NDF:890292.4/47
Out: 1686.713+/-0.208 χ²/NDF:837922.9/51
All: 1684.694+/-0.148 χ²/NDF: 1728405.6/99

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 913.535+/-1974.665 χ^2/NDF: 26.8/24

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: 1511.212+/-1791.953 χ^2/NDF: 26.8/27

Left In: 382.660+/-1912.385 χ^2/NDF:13.6/22

Left: 333.990+/-1354.992 χ^2/NDF: 42.3/46

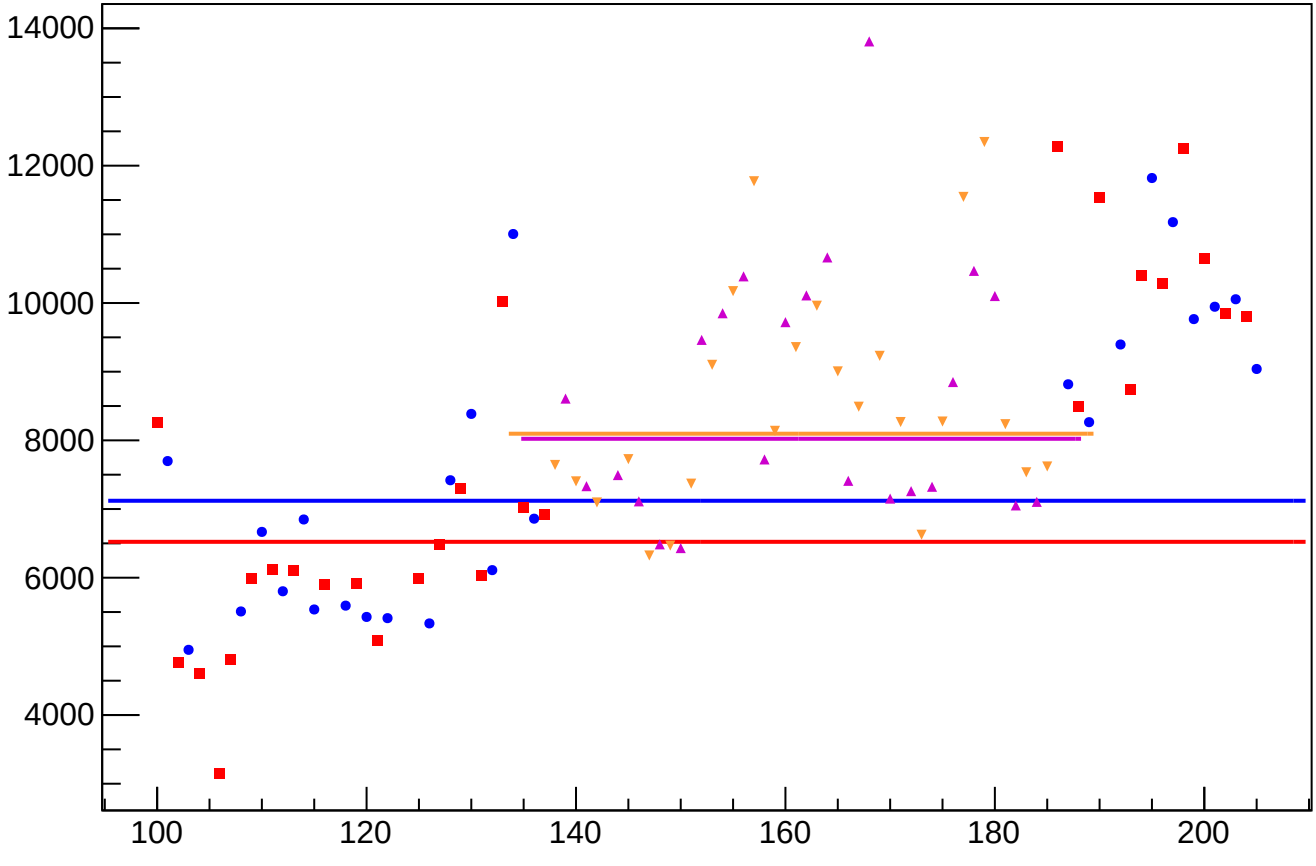
Right: 1241.298+/-1327.007 χ^2/NDF: 53.6/52

In: 639.594+/-1373.751 χ^2/NDF:40.4/47

Out: 940.363+/-1310.076 χ^2/NDF:55.7/51

All: 797.110+/-948.075 χ^2/NDF: 96.1/99

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 7120.322+/-1.396 χ^2/NDF: 1979085.6/24

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 6522.425+/-1.267 χ^2/NDF: 3400027.5/27

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

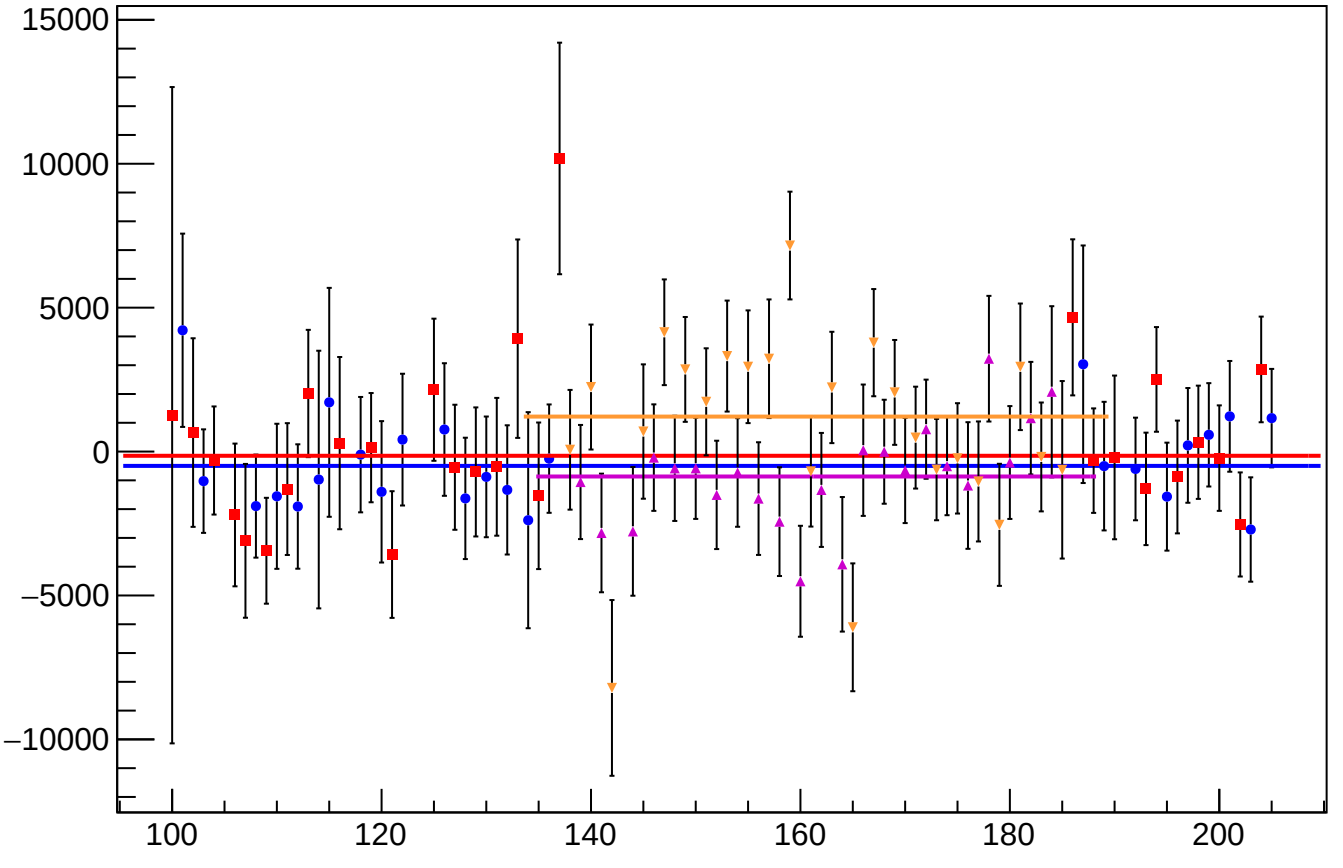
Left: 8059.624+/-0.958 χ^2/NDF: 2314835.1/46

Right: 6792.438+/-0.938 χ^2/NDF: 5479664.8/52

In: 7585.979+/-0.971 χ^2/NDF:3420166.2/47

Out: 7255.322+/-0.926 χ^2/NDF:5206496.0/51

All: 7412.810+/-0.670 χ^2/NDF: 8687344.2/99



Right In: -497.748+/-433.207 χ^2/NDF: 9.7/24

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -146.489+/-423.698 χ^2/NDF: 28.4/27

Left In: -866.021+/-410.039 χ^2/NDF:15.1/22

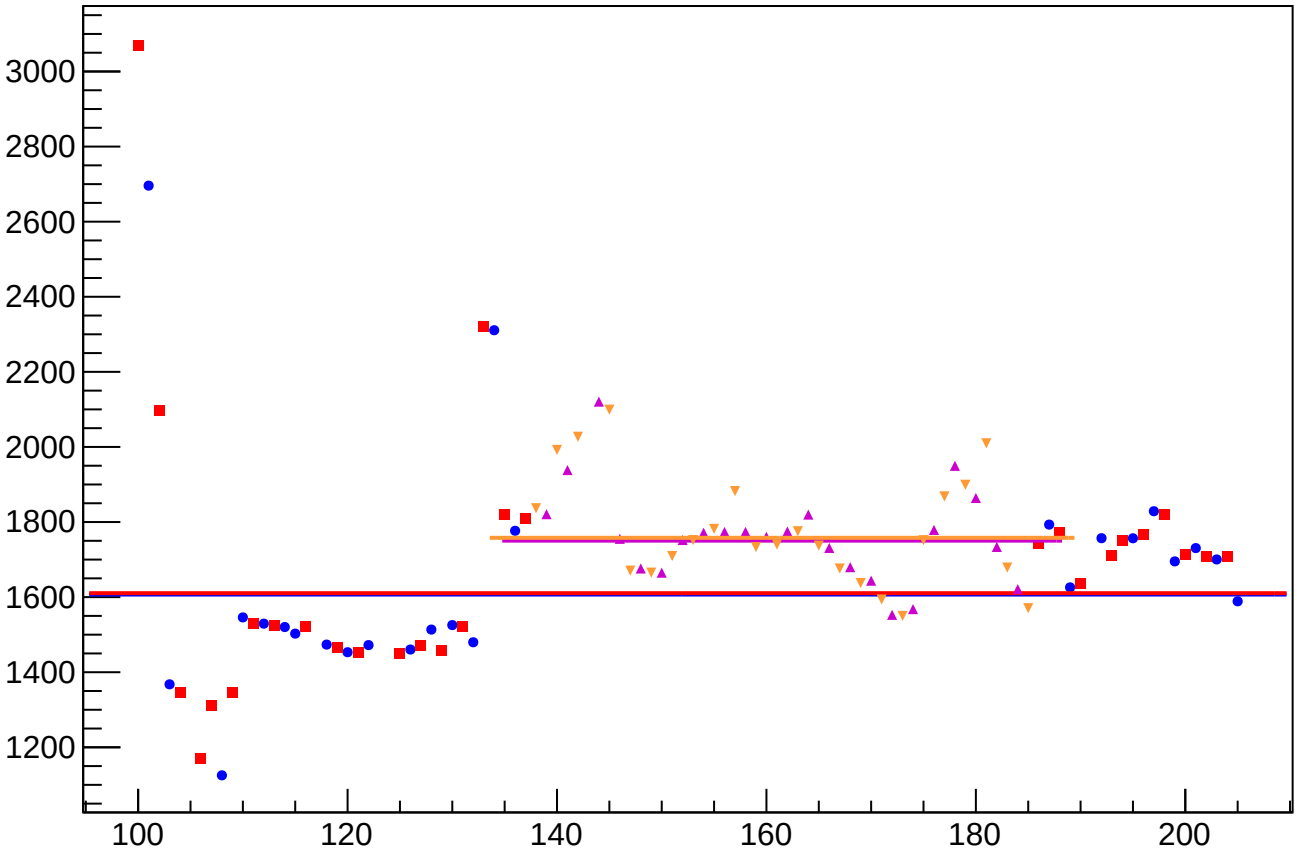
Left: 175.823+/-289.781 χ^2/NDF: 76.5/46

Right: -318.221+/-302.906 χ^2/NDF: 38.5/52

In: -691.995+/-297.795 χ^2/NDF:25.2/47

Out: 557.495+/-294.483 χ^2/NDF:82.2/51

All: -60.264+/-209.392 χ^2/NDF: 116.3/99



Right In: 1606.895+/-0.306 χ^2/NDF: 602519.1/24

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

Right Out: 1610.491+/-0.300 χ^2/NDF: 499367.7/27

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

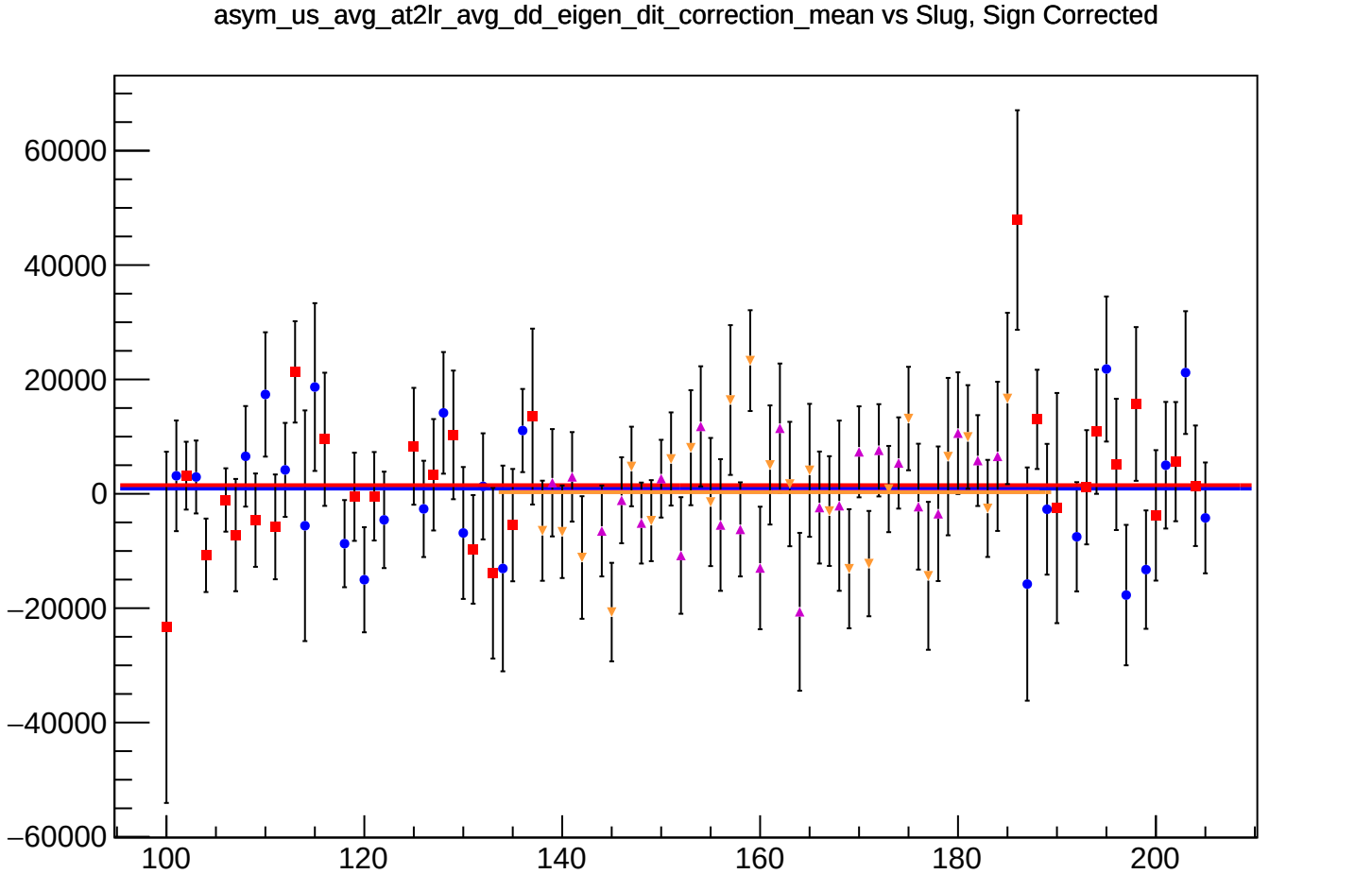
Left: 1754.228+/-0.205 χ^2/NDF: 385523.3/46

Right: 1608.733+/-0.214 χ^2/NDF: 1101957.2/52

In: 1682.629+/-0.211 χ^2/NDF:890305.1/47

Out: 1686.715+/-0.208 χ^2/NDF:837936.3/51

All: 1684.695+/-0.148 χ^2/NDF: 1728431.7/99



Right In: 913.522+/-1974.663 χ^2/NDF: 26.8/24

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

Right Out: 1511.201+/-1791.951 χ^2/NDF: 26.8/27

Left In: 382.663+/-1912.388 χ^2/NDF:13.6/22

Left: 333.993+/-1354.994 χ^2/NDF: 42.3/46

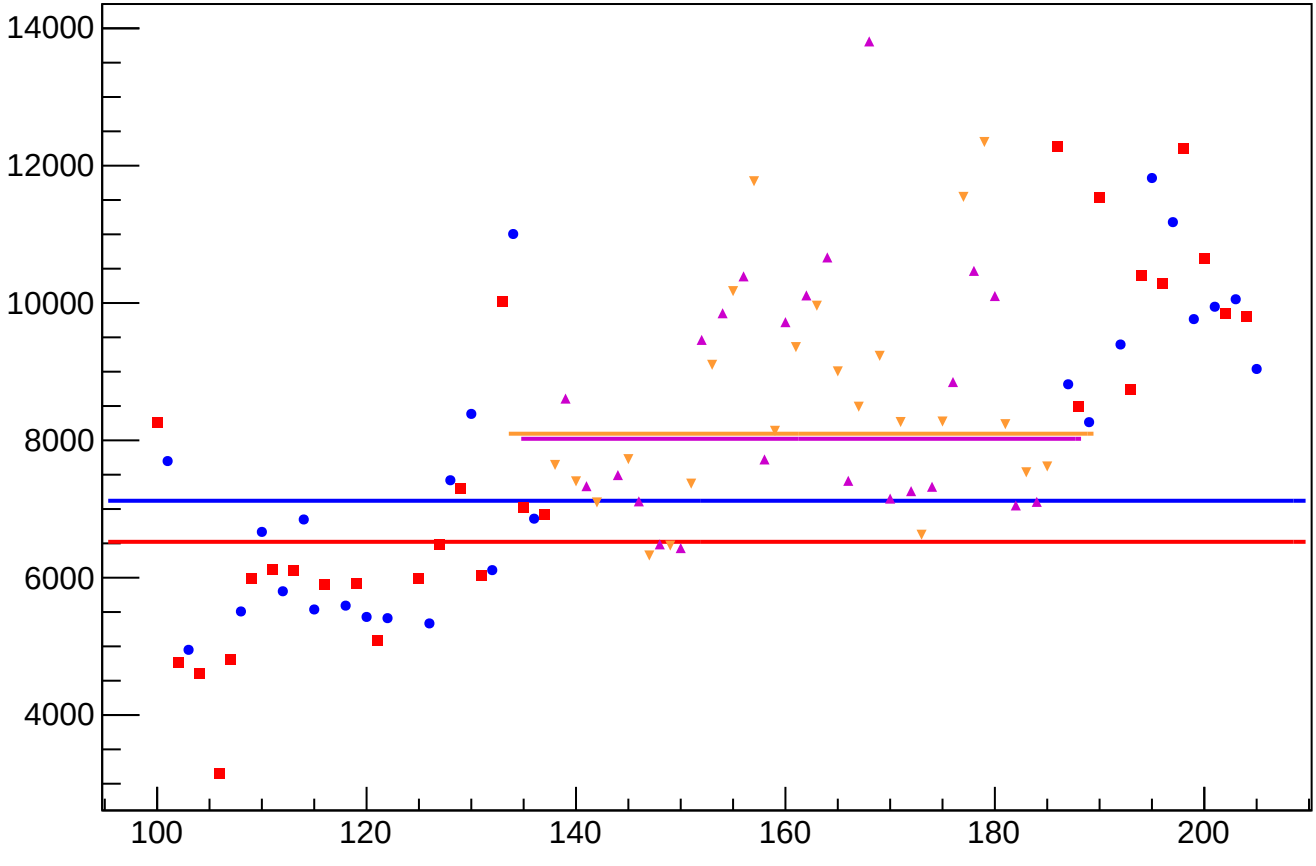
Right: 1241.286+/-1327.005 χ^2/NDF: 53.6/52

In: 639.590+/-1373.751 χ^2/NDF:40.4/47

Out: 940.359+/-1310.076 χ^2/NDF:55.7/51

All: 797.107+/-948.075 χ^2/NDF: 96.1/99

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 7120.311+/-1.396 χ^2/NDF: 1979109.4/24

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 6522.414+/-1.267 χ^2/NDF: 3400049.7/27

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

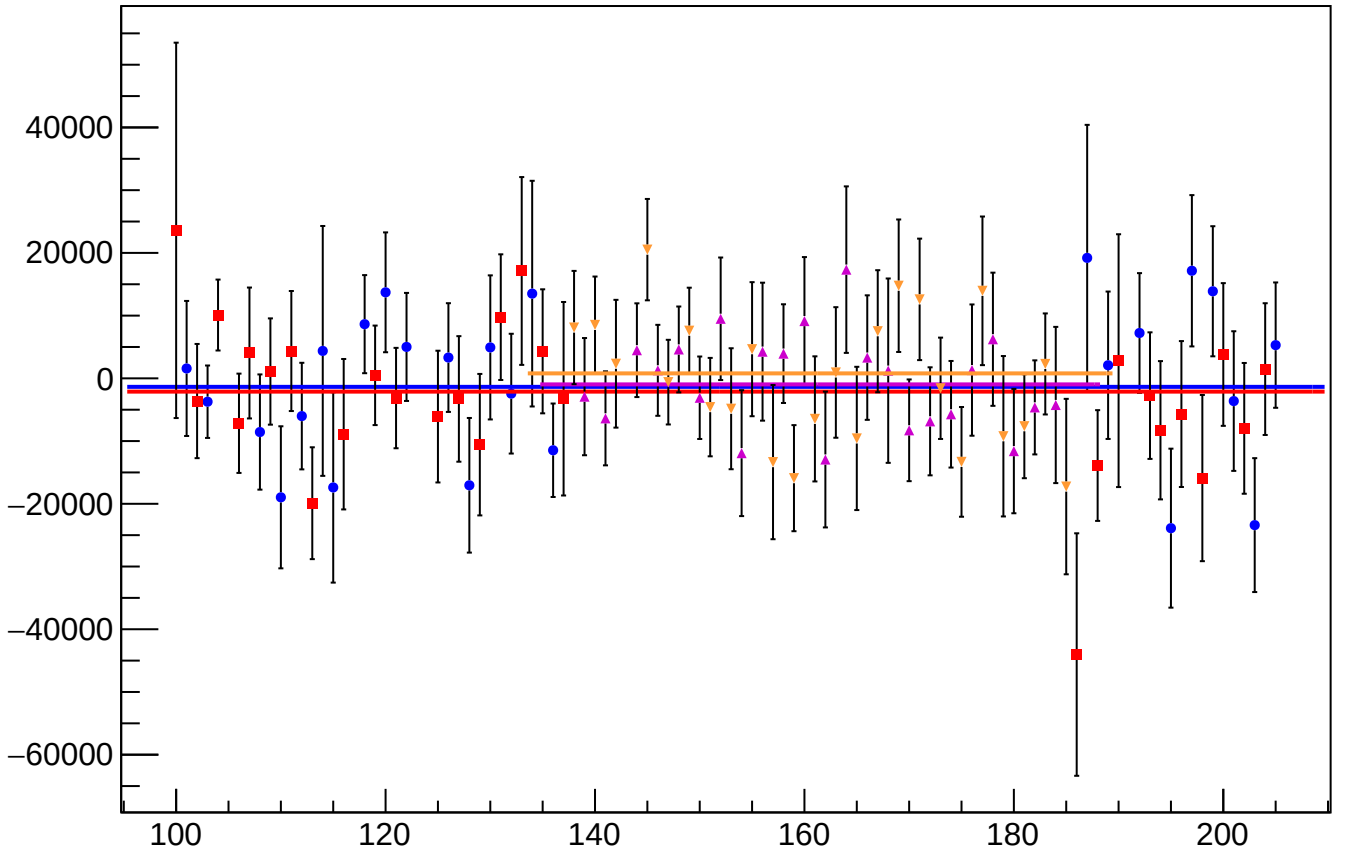
Left: 8059.636+/-0.958 χ^2/NDF: 2314842.1/46

Right: 6792.428+/-0.938 χ^2/NDF: 5479710.9/52

In: 7585.978+/-0.971 χ^2/NDF:3420204.9/47

Out: 7255.320+/-0.926 χ^2/NDF:5206541.4/51

All: 7412.809+/-0.670 χ^2/NDF: 8687429.0/99



Right In: -1355.662+/-1995.409 χ^2/NDF: 29.0/24

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: -2115.056+/-1902.085 χ^2/NDF: 24.2/27

Left In: -963.967+/-1859.926 χ^2/NDF:12.8/22

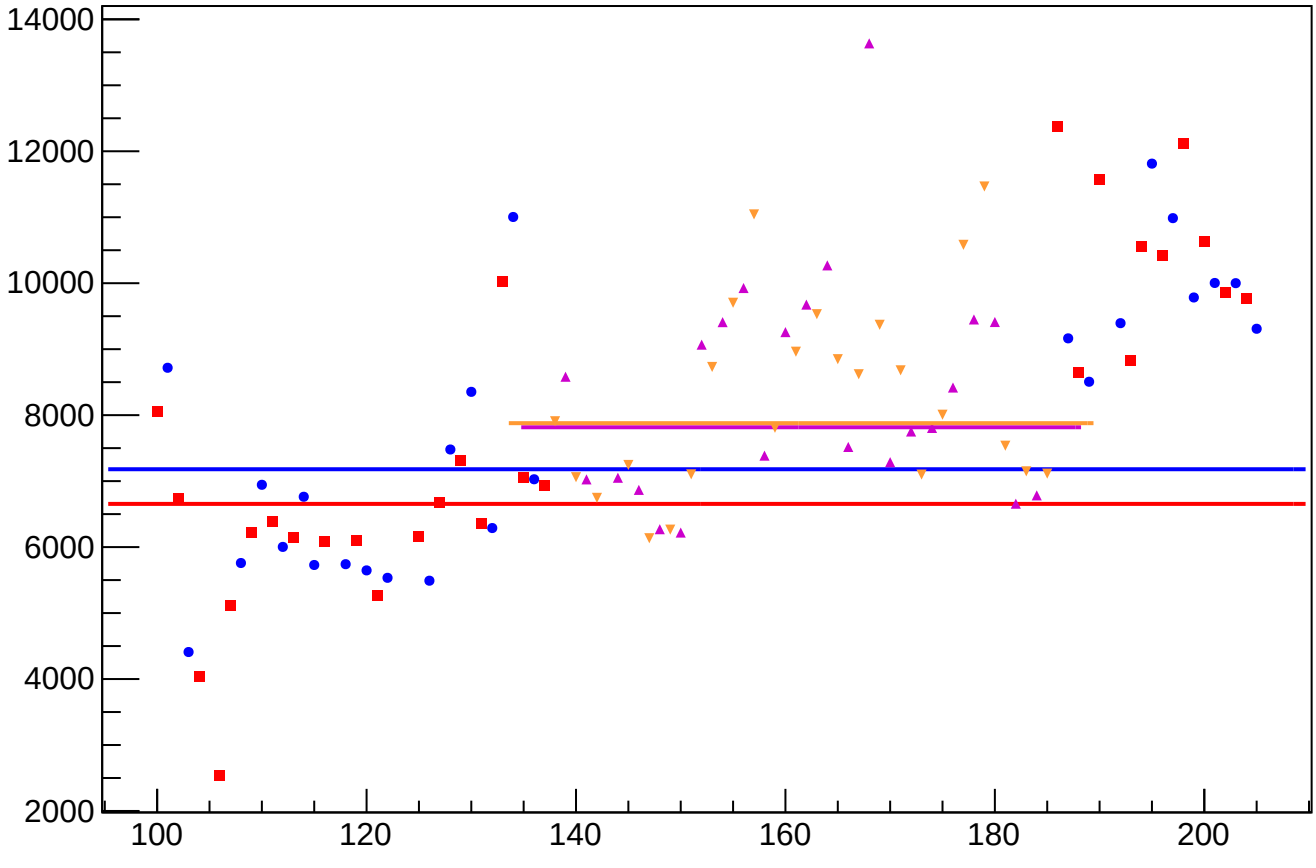
Left: -88.795+/-1316.995 χ^2/NDF: 40.4/46

Right: -1753.532+/-1376.788 χ^2/NDF: 53.2/52

In: -1146.067+/-1360.544 χ^2/NDF:41.8/47

Out: -633.374+/-1331.712 χ^2/NDF:52.5/51

All: -884.231+/-951.692 χ^2/NDF: 94.4/99



Right In: 7180.156+/-1.411 χ^2/NDF: 2109394.5/24

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

Right Out: 6654.811+/-1.309 χ^2/NDF: 3639938.2/27

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

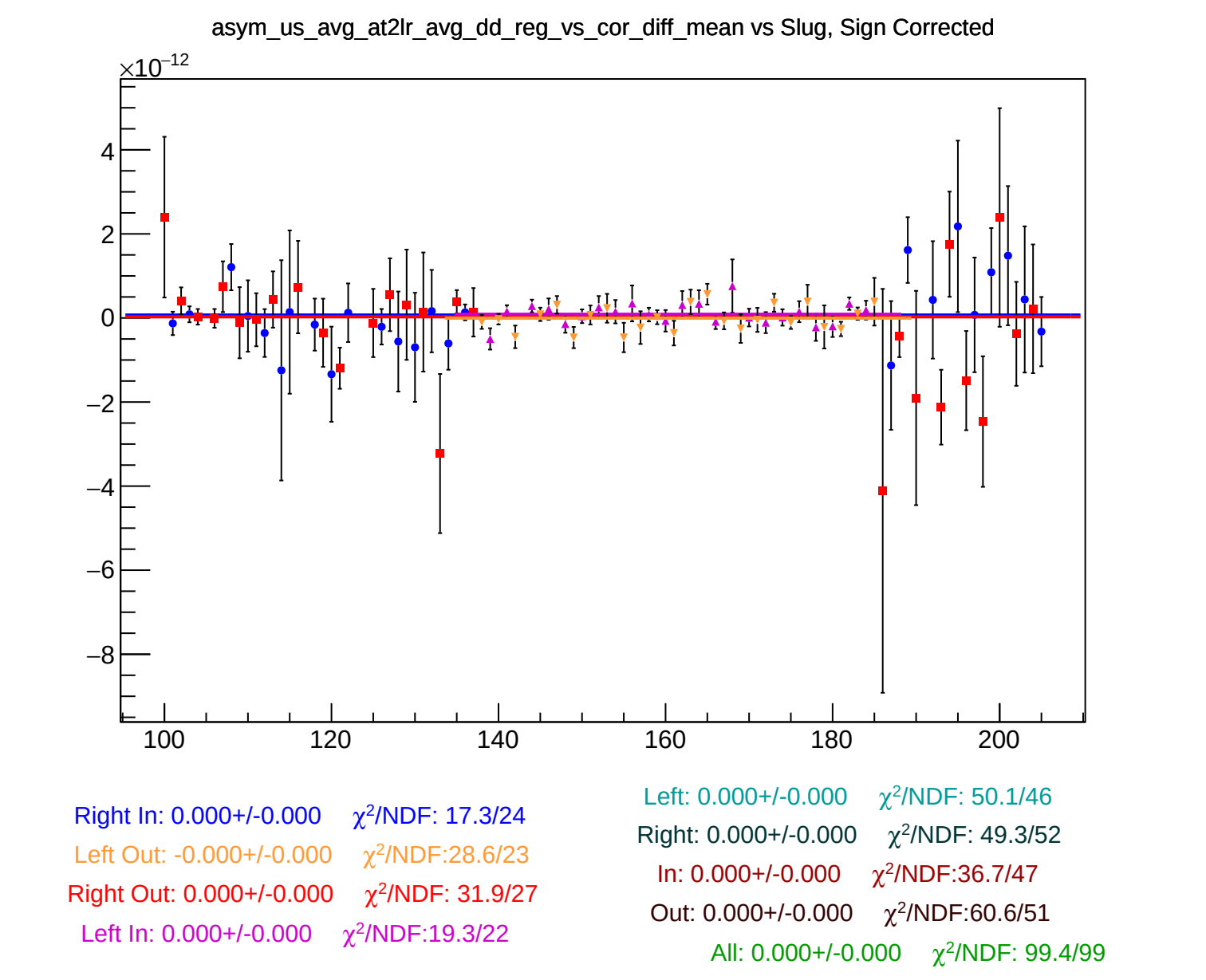
Left: 7847.378+/-0.931 χ^2/NDF: 2123536.1/46

Right: 6897.875+/-0.960 χ^2/NDF: 5823822.4/52

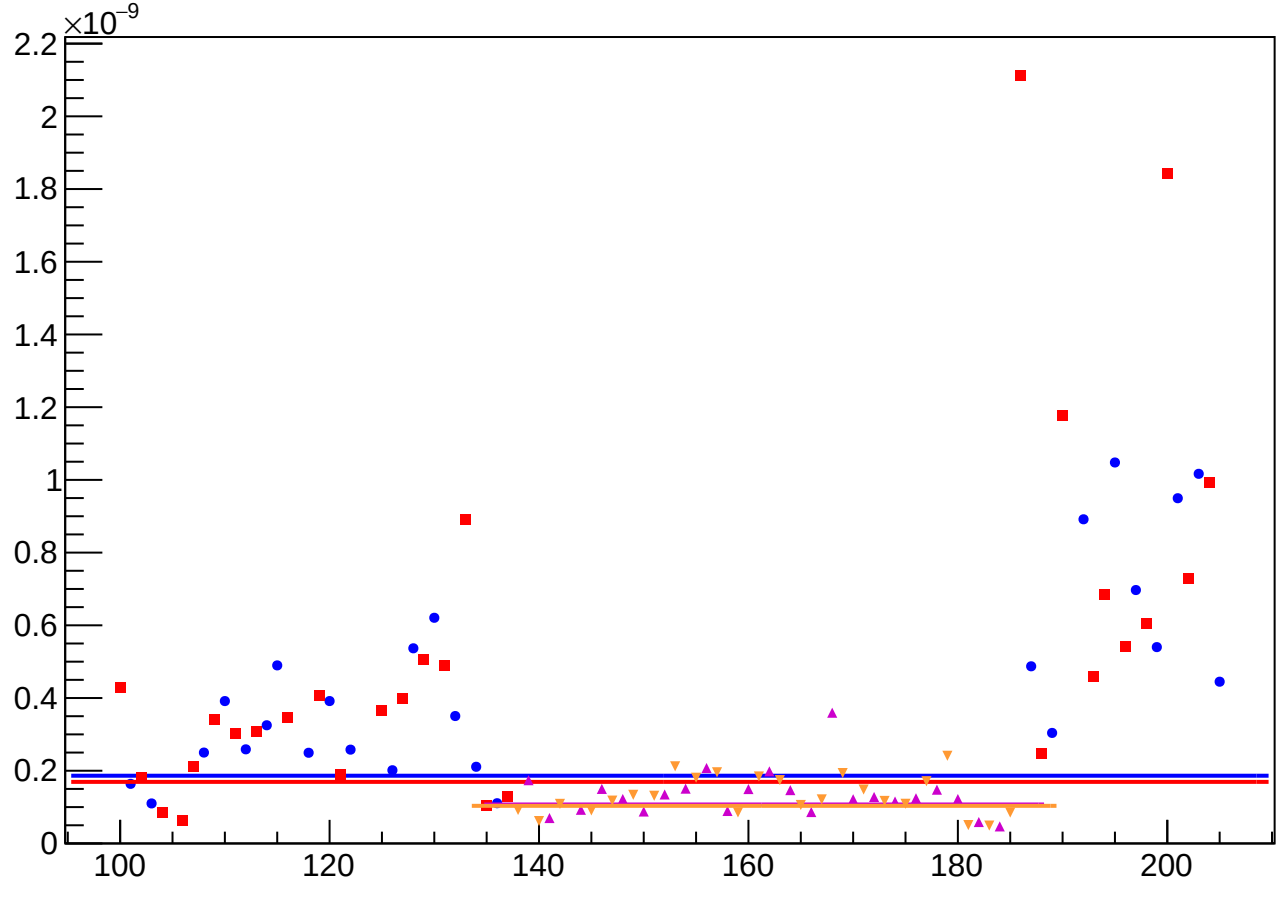
In: 7520.633+/-0.962 χ^2/NDF:3350584.1/47

Out: 7262.201+/-0.929 χ^2/NDF:5063571.5/51

All: 7386.925+/-0.668 χ^2/NDF: 8451490.2/99


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 17.3/24
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.9/27
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: 49.3/52
In: 0.000+/-0.000 χ²/NDF:36.7/47
Out: 0.000+/-0.000 χ²/NDF:60.6/51
All: 0.000+/-0.000 χ²/NDF: 99.4/99

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4029743.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5724226.9/27

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

Left: 0.000+/-0.000 χ^2/NDF: 3508045.7/46

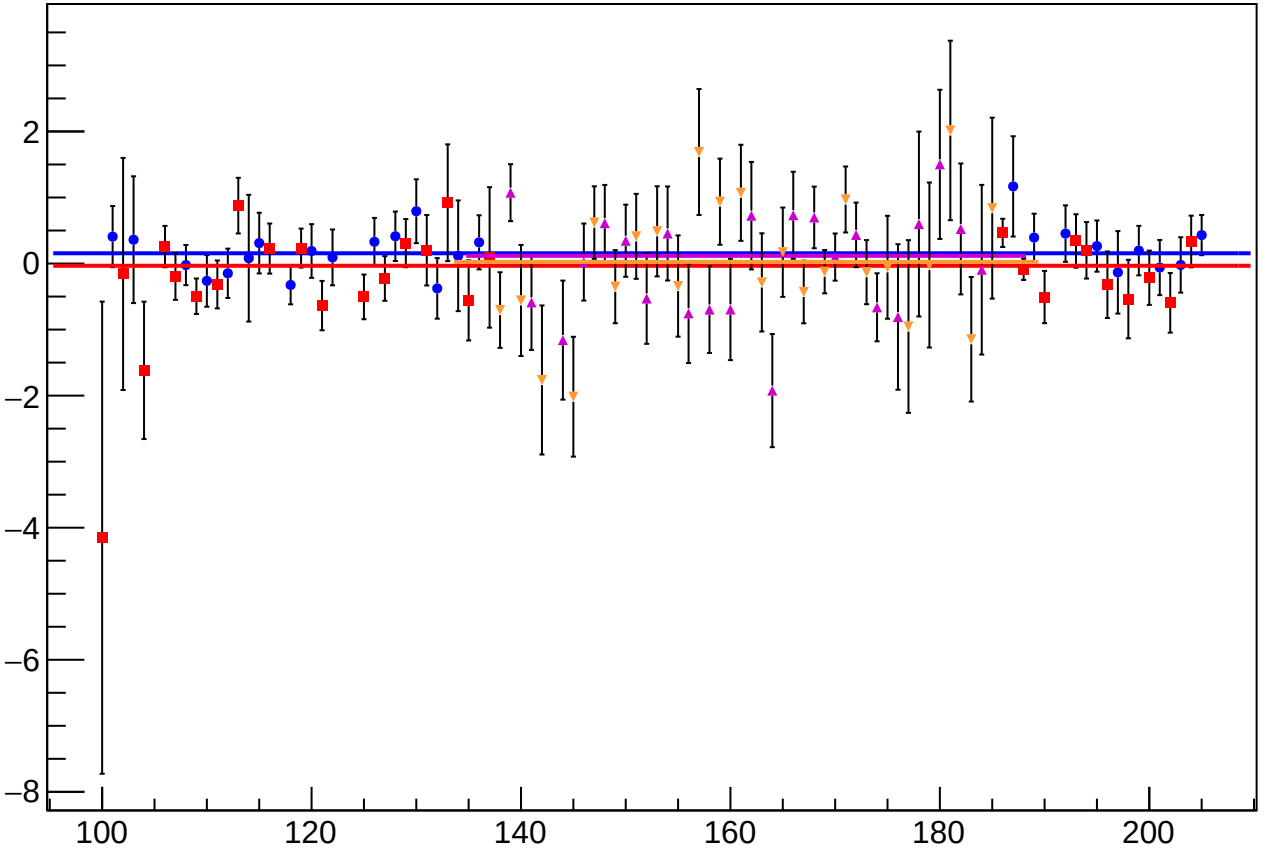
Right: 0.000+/-0.000 χ^2/NDF: 9783098.9/52

In: 0.000+/-0.000 χ^2/NDF:6660918.3/47

Out: 0.000+/-0.000 χ^2/NDF:8377241.3/51

All: 0.000+/-0.000 χ^2/NDF: 15059563.3/99

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

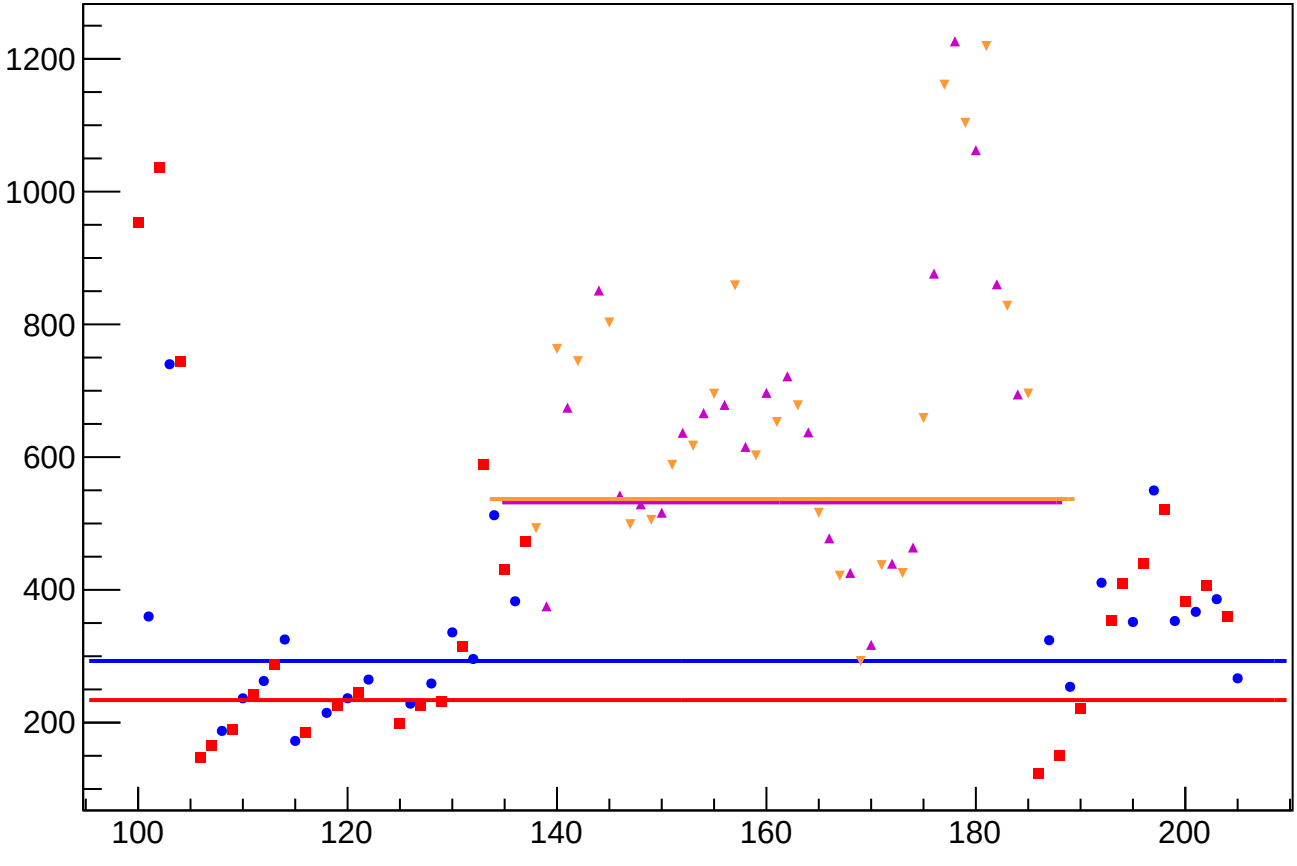
Right: 0.043+/-0.053 χ^2/NDF: 50.5/52

In: 0.144+/-0.071 χ^2/NDF:41.4/47

Out: -0.021+/-0.062 χ^2/NDF:63.1/51

All: 0.050+/-0.046 χ^2/NDF: 107.7/99

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 292.863+/-0.059 χ^2/NDF: 2218923.1/24

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.944+/-0.049 χ^2/NDF: 5186301.4/27

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

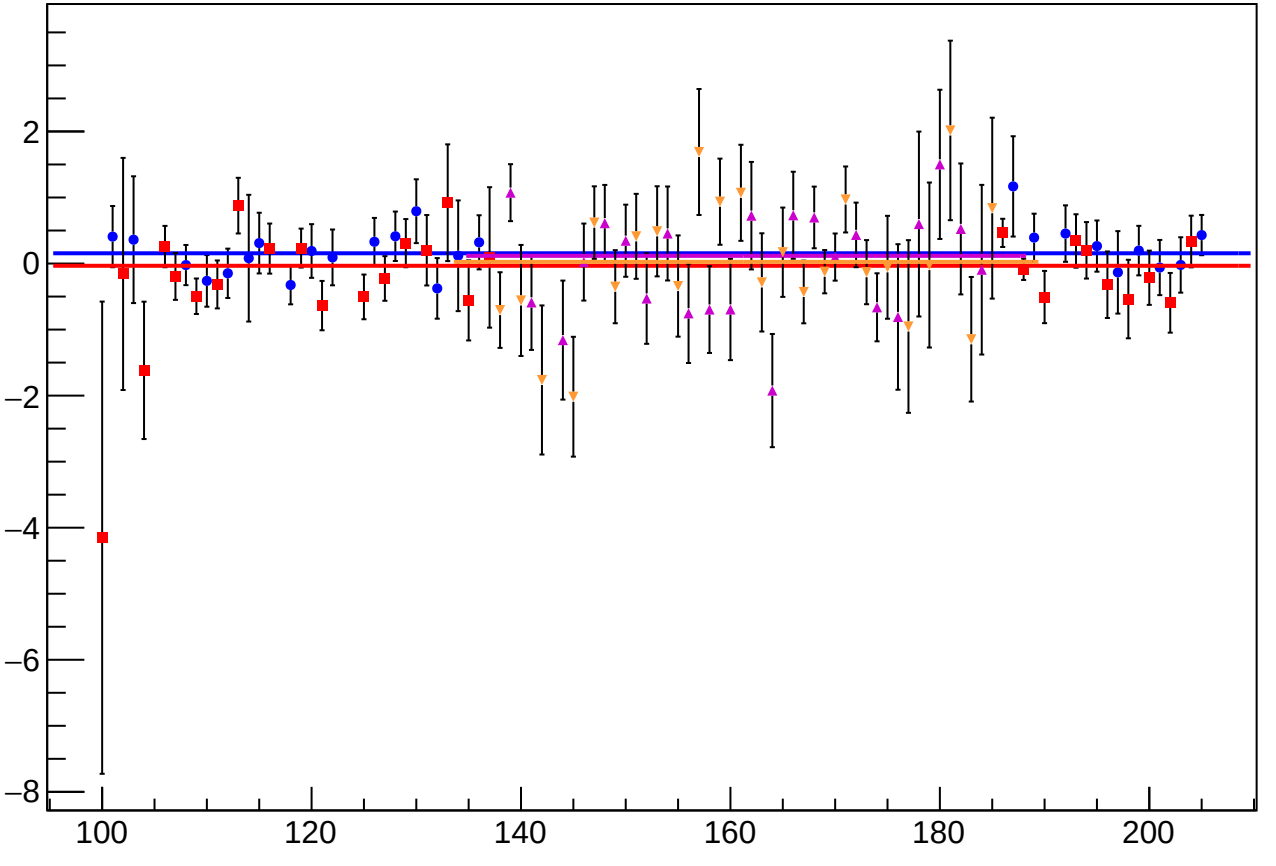
Right: 258.036+/-0.038 χ^2/NDF: 7995876.4/52

In: 360.632+/-0.050 χ^2/NDF:10260435.1/47

Out: 297.922+/-0.044 χ^2/NDF:17212483.6/51

All: 325.036+/-0.033 χ^2/NDF: 28369886.0/99

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

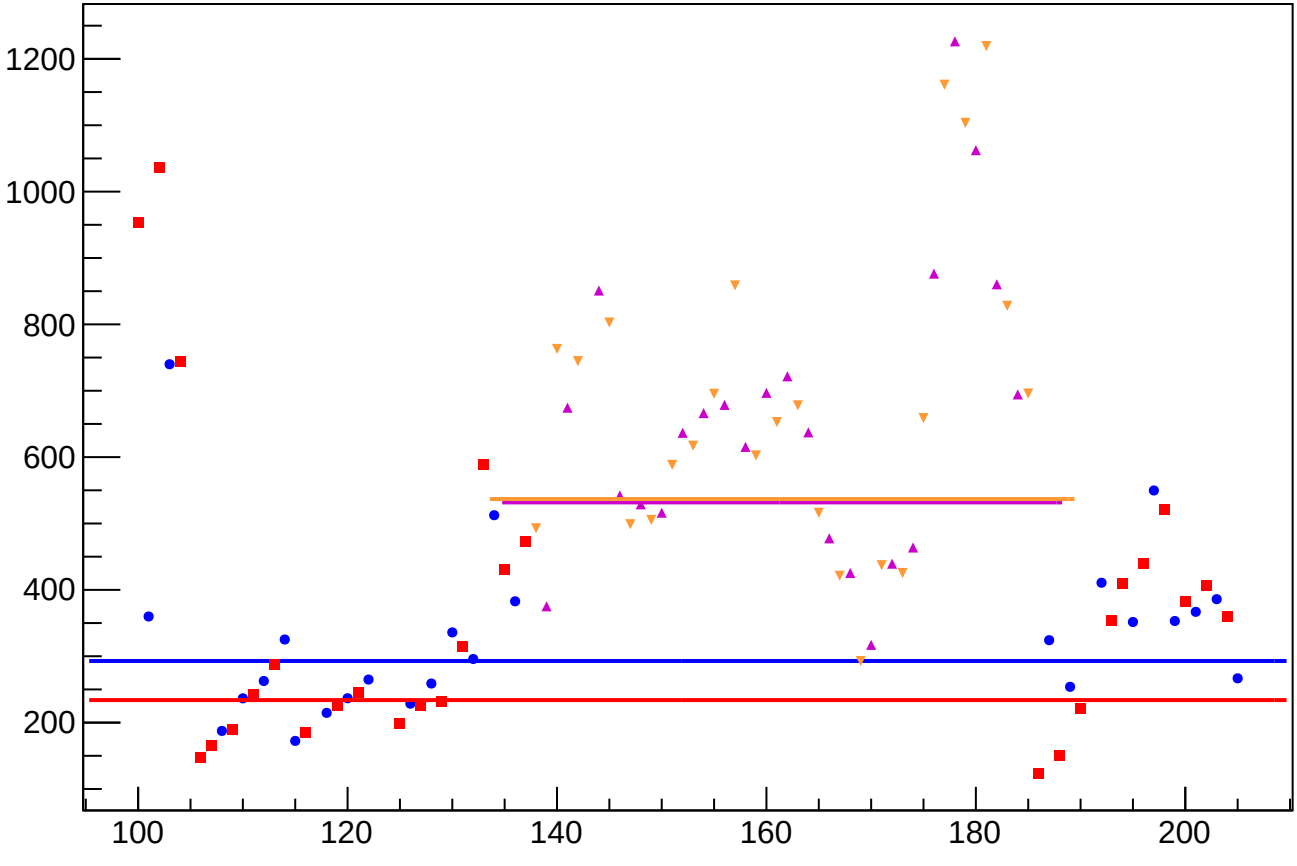
Right: 0.043+/-0.053 χ^2/NDF: 50.5/52

In: 0.144+/-0.071 χ^2/NDF:41.4/47

Out: -0.021+/-0.062 χ^2/NDF:63.1/51

All: 0.050+/-0.046 χ^2/NDF: 107.7/99

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 292.863+/-0.059 χ^2/NDF: 2218923.1/24

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.944+/-0.049 χ^2/NDF: 5186301.4/27

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

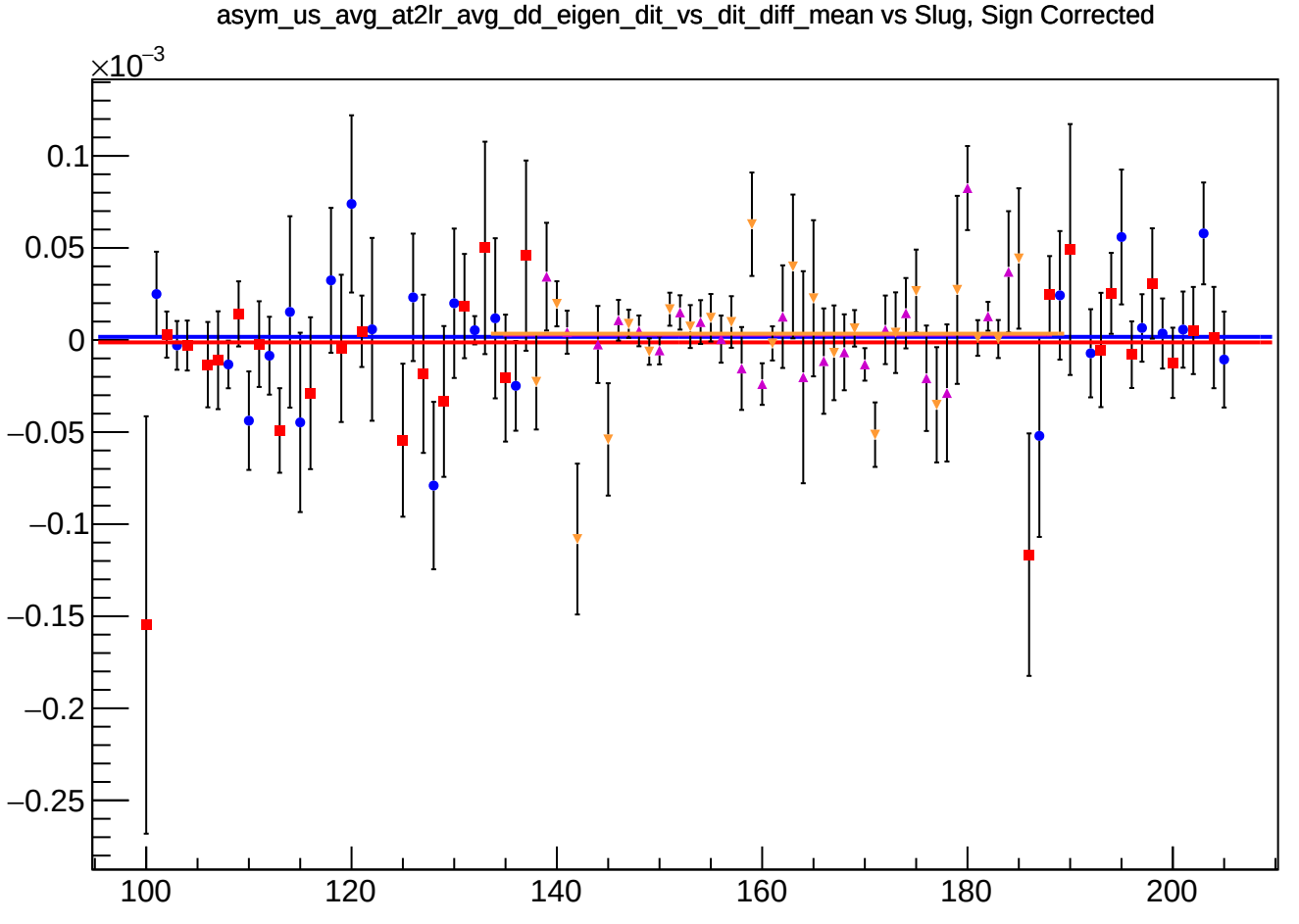
Left: 534.267+/-0.067 χ^2/NDF: 7345889.1/46

Right: 258.036+/-0.038 χ^2/NDF: 7995876.4/52

In: 360.632+/-0.050 χ^2/NDF:10260435.1/47

Out: 297.922+/-0.044 χ^2/NDF:17212483.6/51

All: 325.036+/-0.033 χ^2/NDF: 28369886.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 21.2/27

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

Left: 0.000+/-0.000 χ^2/NDF: 71.3/46

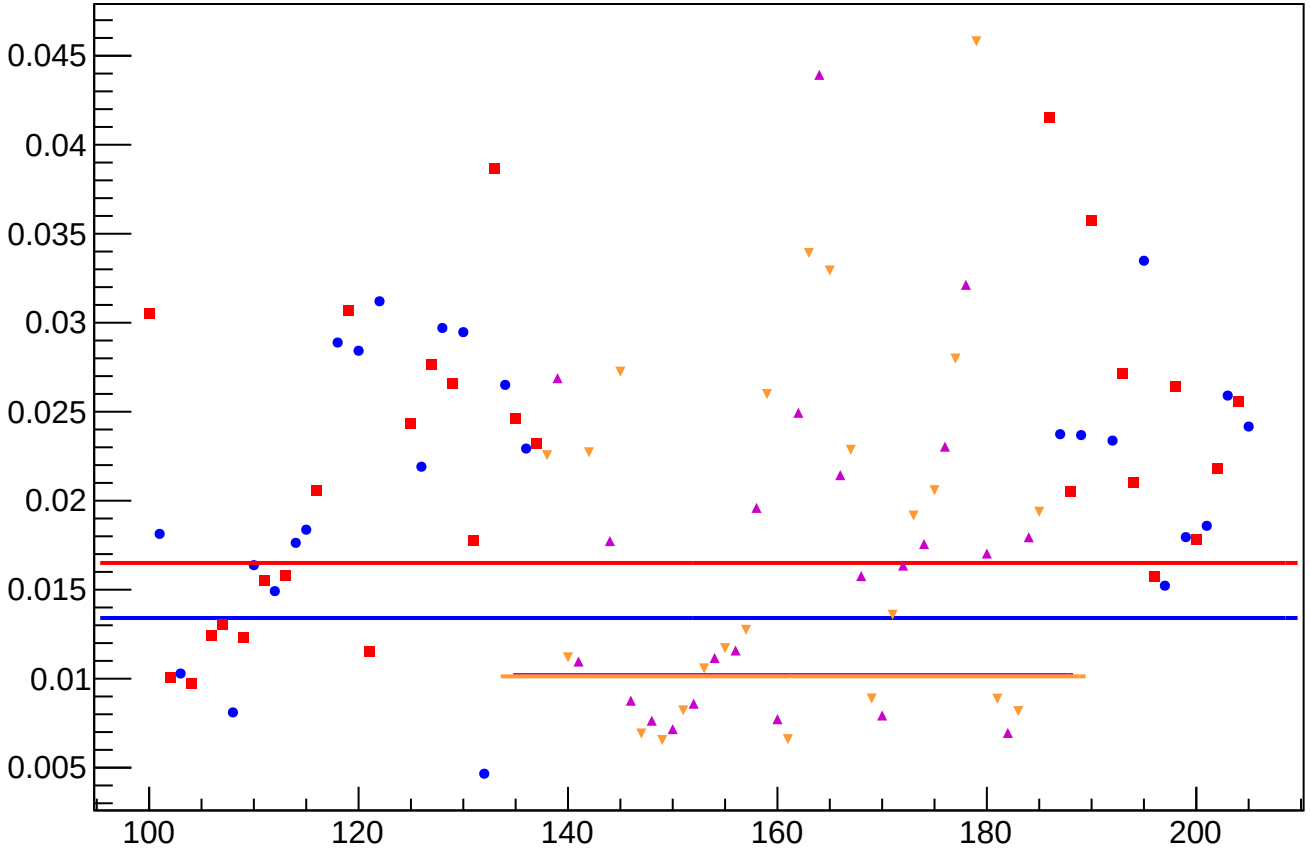
Right: 0.000+/-0.000 χ^2/NDF: 44.3/52

In: 0.000+/-0.000 χ^2/NDF:55.1/47

Out: 0.000+/-0.000 χ^2/NDF:61.0/51

All: 0.000+/-0.000 χ^2/NDF: 116.1/99

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 7340282.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.017+/-0.000 χ^2/NDF: 3834374.4/27

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

Left: 0.010+/-0.000 χ^2/NDF: 13888720.1/46

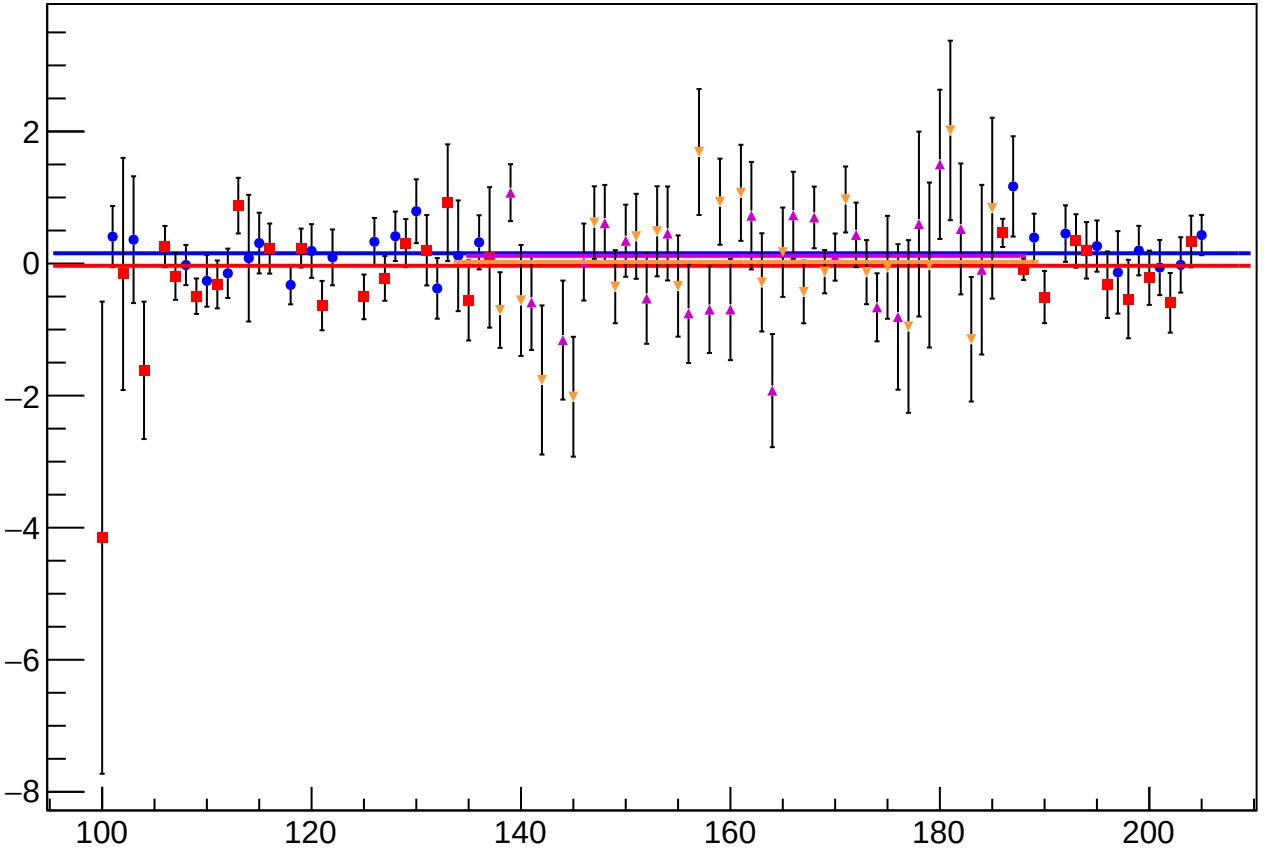
Right: 0.015+/-0.000 χ^2/NDF: 11656361.4/52

In: 0.011+/-0.000 χ^2/NDF:14209559.8/47

Out: 0.012+/-0.000 χ^2/NDF:14434888.6/51

All: 0.011+/-0.000 χ^2/NDF: 28713554.7/99

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

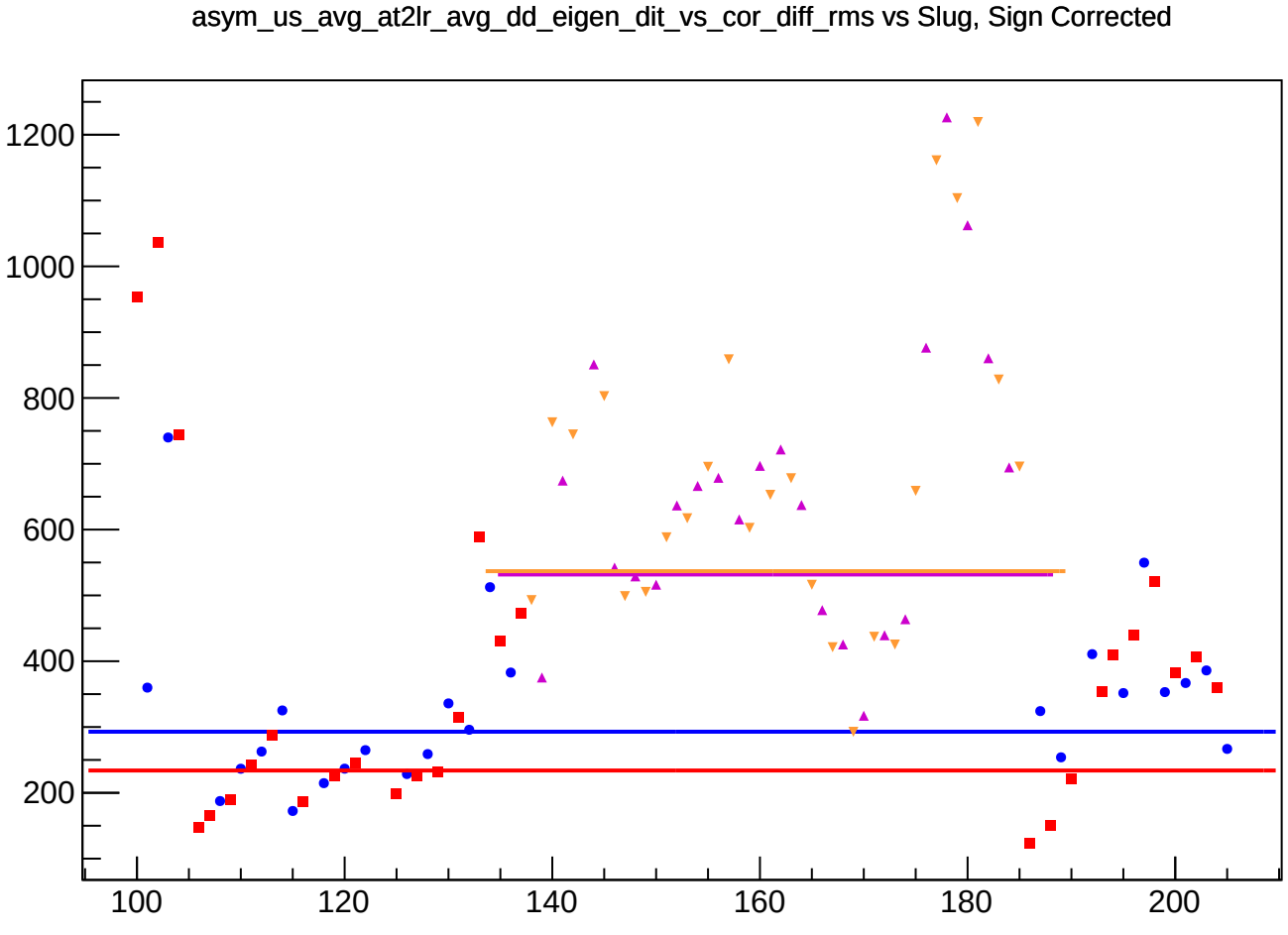
Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

Right: 0.043+/-0.053 χ^2/NDF: 50.5/52

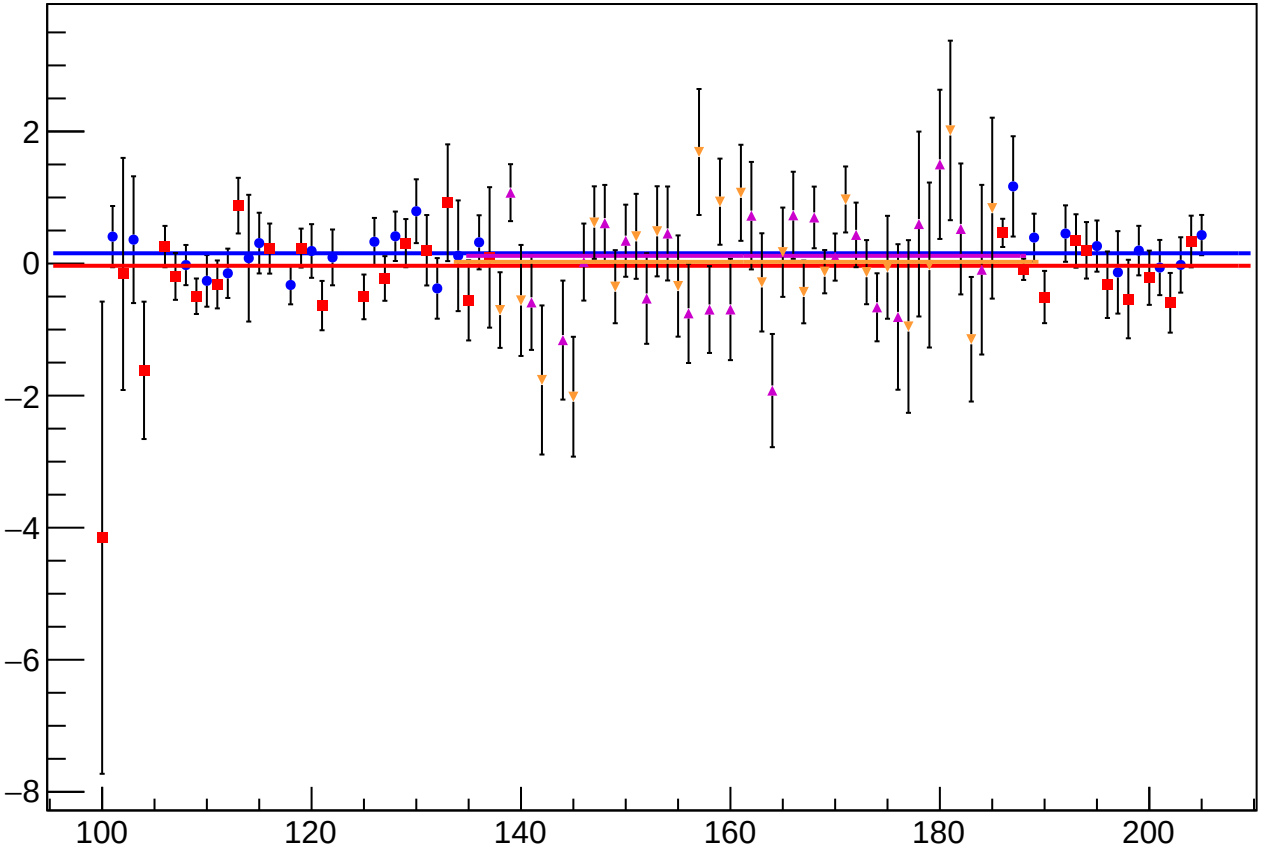
In: 0.144+/-0.071 χ^2/NDF:41.4/47

Out: -0.021+/-0.062 χ^2/NDF:63.1/51

All: 0.050+/-0.046 χ^2/NDF: 107.7/99


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 292.861+/-0.059 χ²/NDF: 2218938.8/24
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 233.941+/-0.049 χ²/NDF: 5186458.5/27
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
Left: 534.268+/-0.067 χ²/NDF: 7346152.7/46
Right: 258.034+/-0.038 χ²/NDF: 7996068.6/52
In: 360.630+/-0.050 χ²/NDF:10260701.3/47
Out: 297.919+/-0.044 χ²/NDF:17212958.7/51
All: 325.033+/-0.033 χ²/NDF: 28370667.5/99

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

Right Out: -0.034+/-0.069 χ^2/NDF: 33.9/27

Left In: 0.117+/-0.132 χ^2/NDF:27.8/22

Left: 0.071+/-0.094 χ^2/NDF: 57.1/46

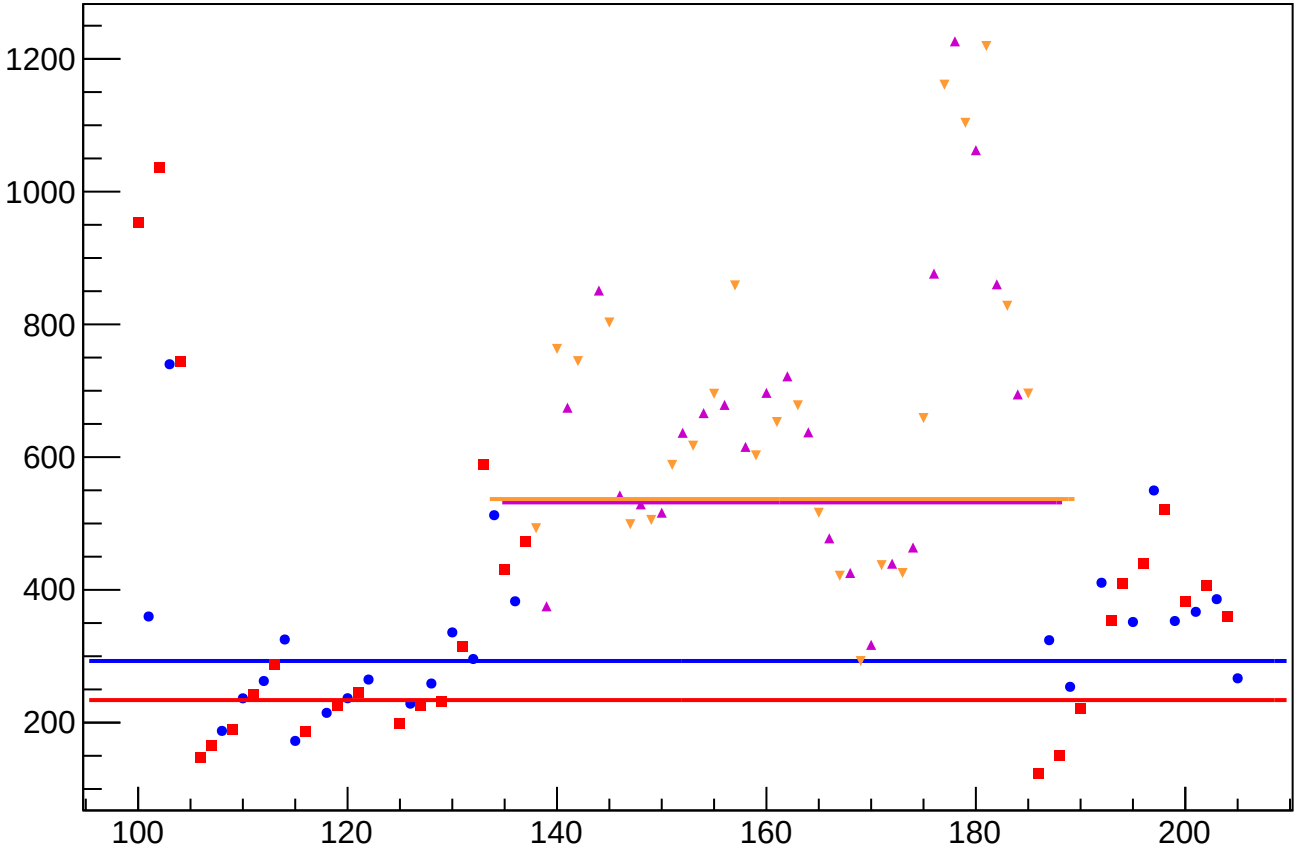
Right: 0.043+/-0.053 χ^2/NDF: 50.5/52

In: 0.144+/-0.071 χ^2/NDF:41.4/47

Out: -0.021+/-0.062 χ^2/NDF:63.1/51

All: 0.050+/-0.046 χ^2/NDF: 107.7/99

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 292.861+/-0.059 χ^2/NDF: 2218938.8/24

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.941+/-0.049 χ^2/NDF: 5186458.5/27

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

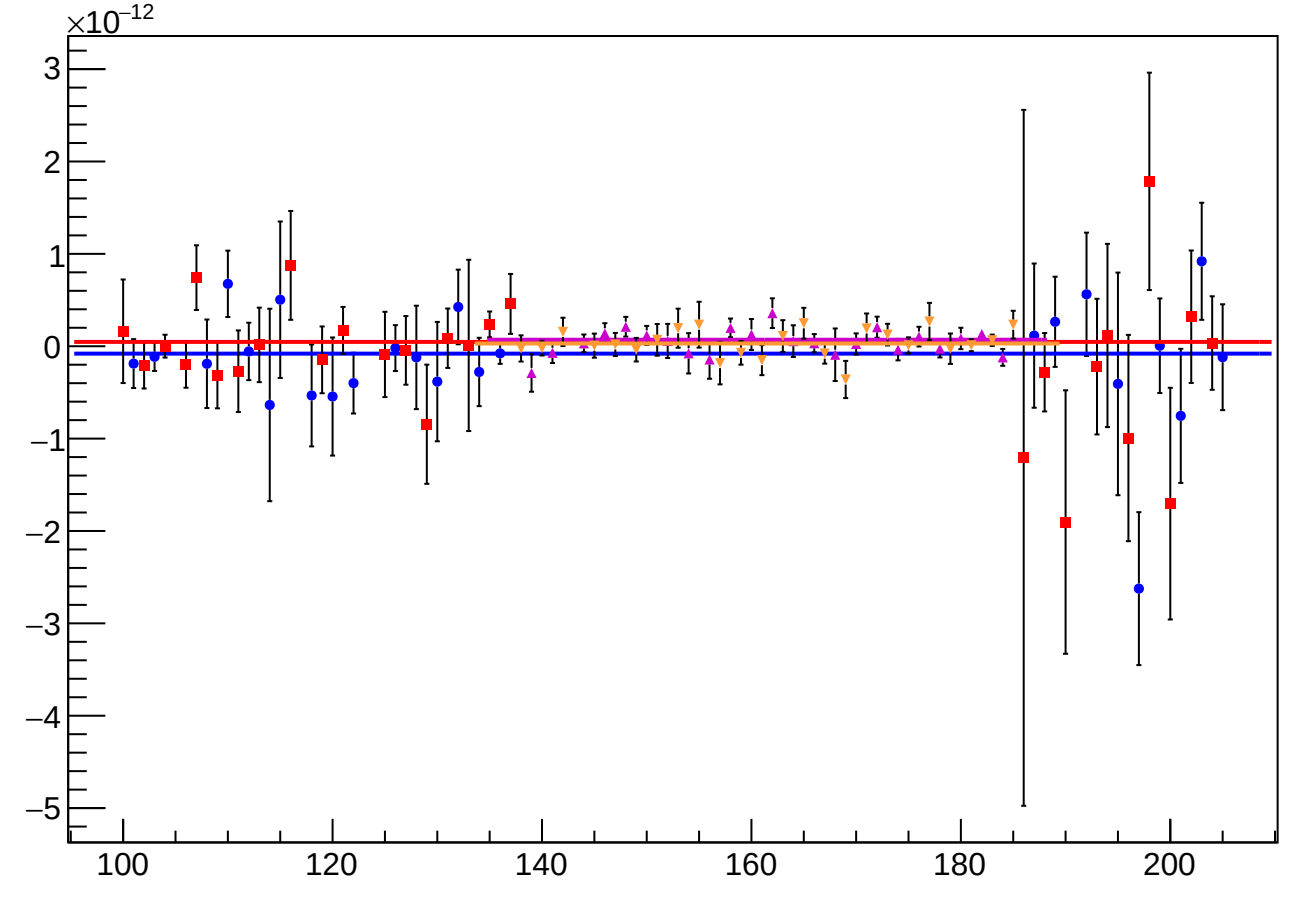
Left: 534.268+/-0.067 χ^2/NDF: 7346152.7/46

Right: 258.034+/-0.038 χ^2/NDF: 7996068.6/52

In: 360.630+/-0.050 χ^2/NDF:10260701.3/47

Out: 297.919+/-0.044 χ^2/NDF:17212958.7/51

All: 325.033+/-0.033 χ^2/NDF: 28370667.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/27

Left In: 0.000+/-0.000 χ^2/NDF:23.4/22

Left: 0.000+/-0.000 χ^2/NDF: 42.6/46

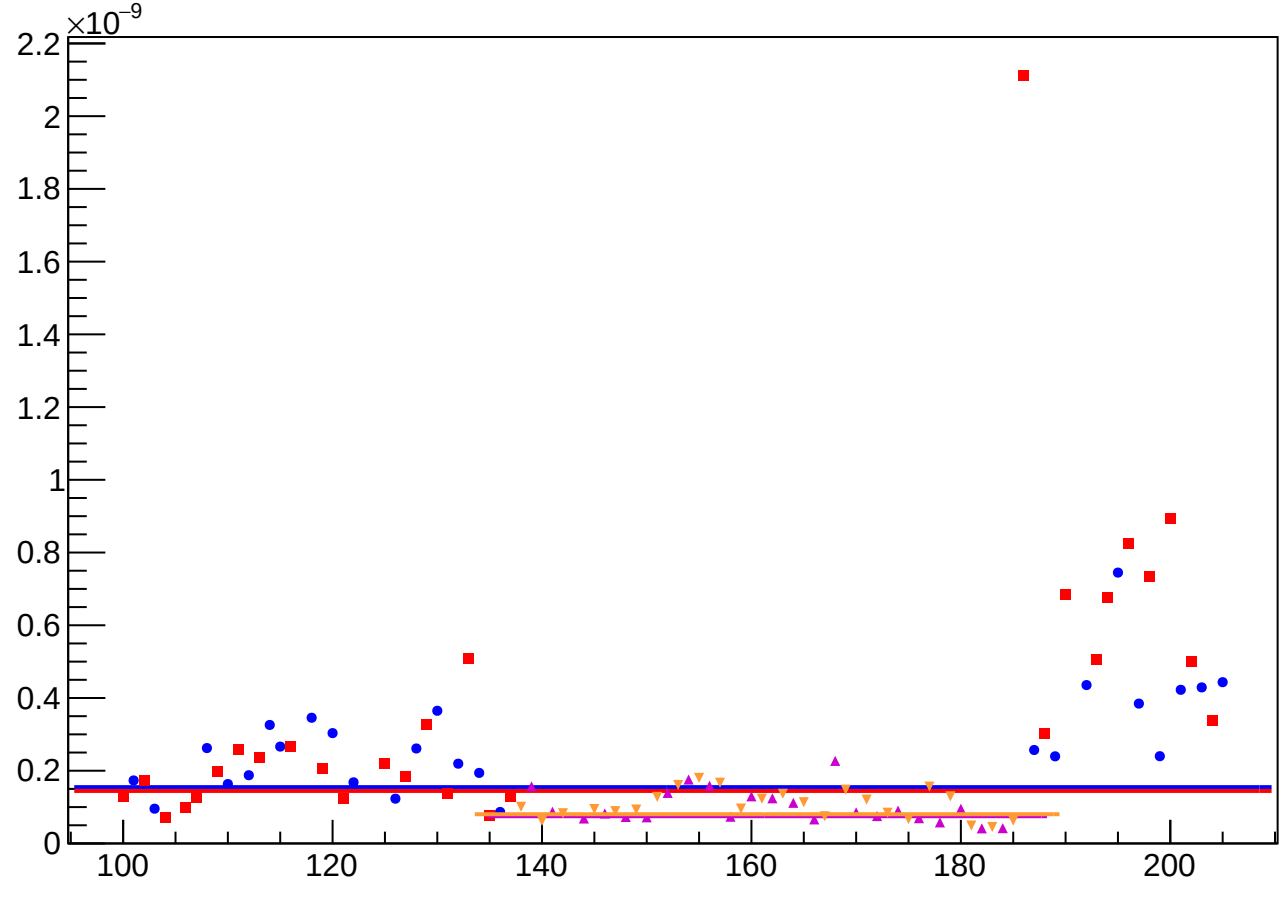
Right: -0.000+/-0.000 χ^2/NDF: 49.7/52

In: 0.000+/-0.000 χ^2/NDF:52.2/47

Out: 0.000+/-0.000 χ^2/NDF:41.4/51

All: 0.000+/-0.000 χ^2/NDF: 94.1/99

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4281518.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7157492.6/27

Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

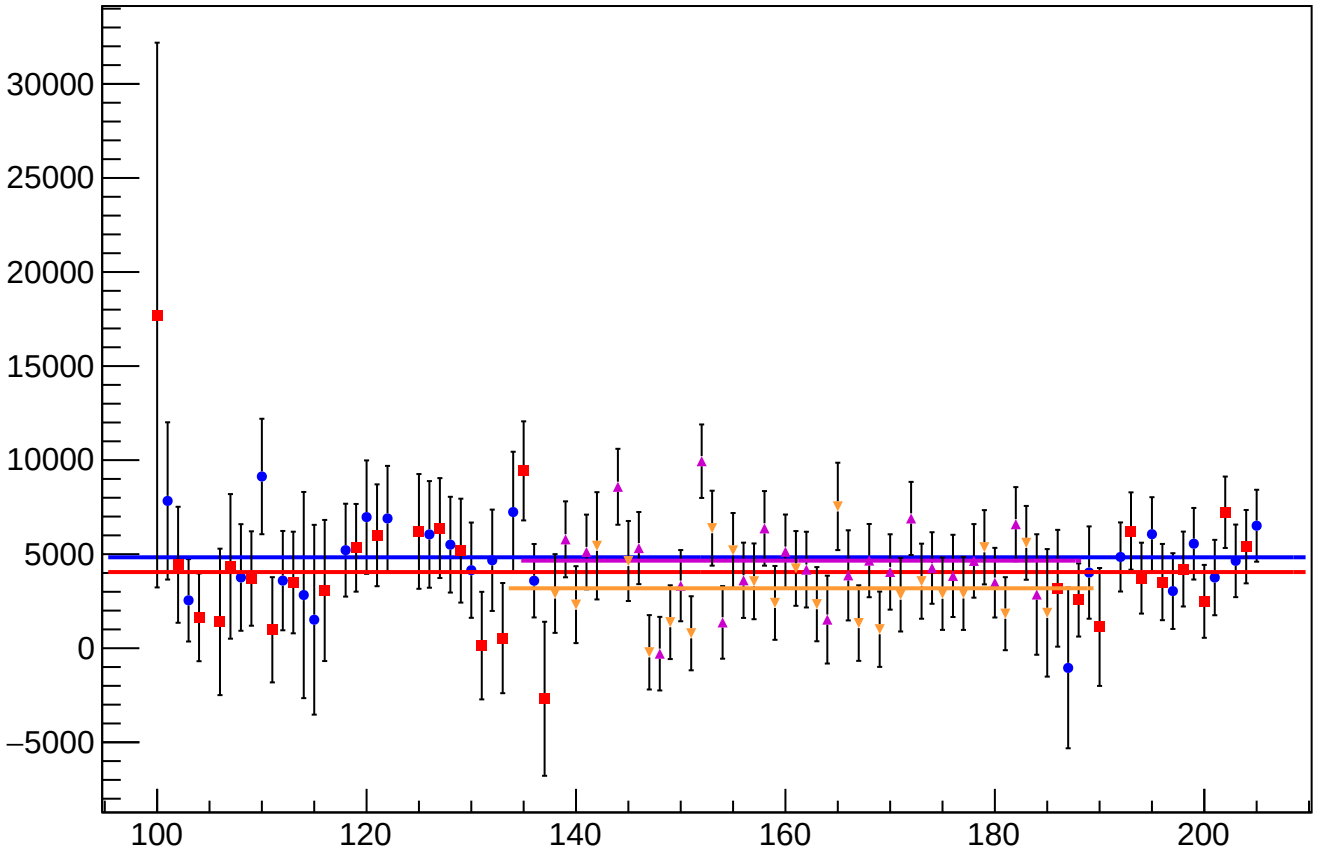
Left: 0.000+/-0.000 χ^2/NDF: 7451186.8/46

Right: 0.000+/-0.000 χ^2/NDF: 11465650.1/52

In: 0.000+/-0.000 χ^2/NDF:10578868.3/47

Out: 0.000+/-0.000 χ^2/NDF:12717656.2/51

All: 0.000+/-0.000 χ^2/NDF: 23349572.1/99



Right In: 4834.267+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: 4049.228+/-479.128 χ^2/NDF: 22.9/27

Left In: 4655.206+/-421.691 χ^2/NDF:27.7/22

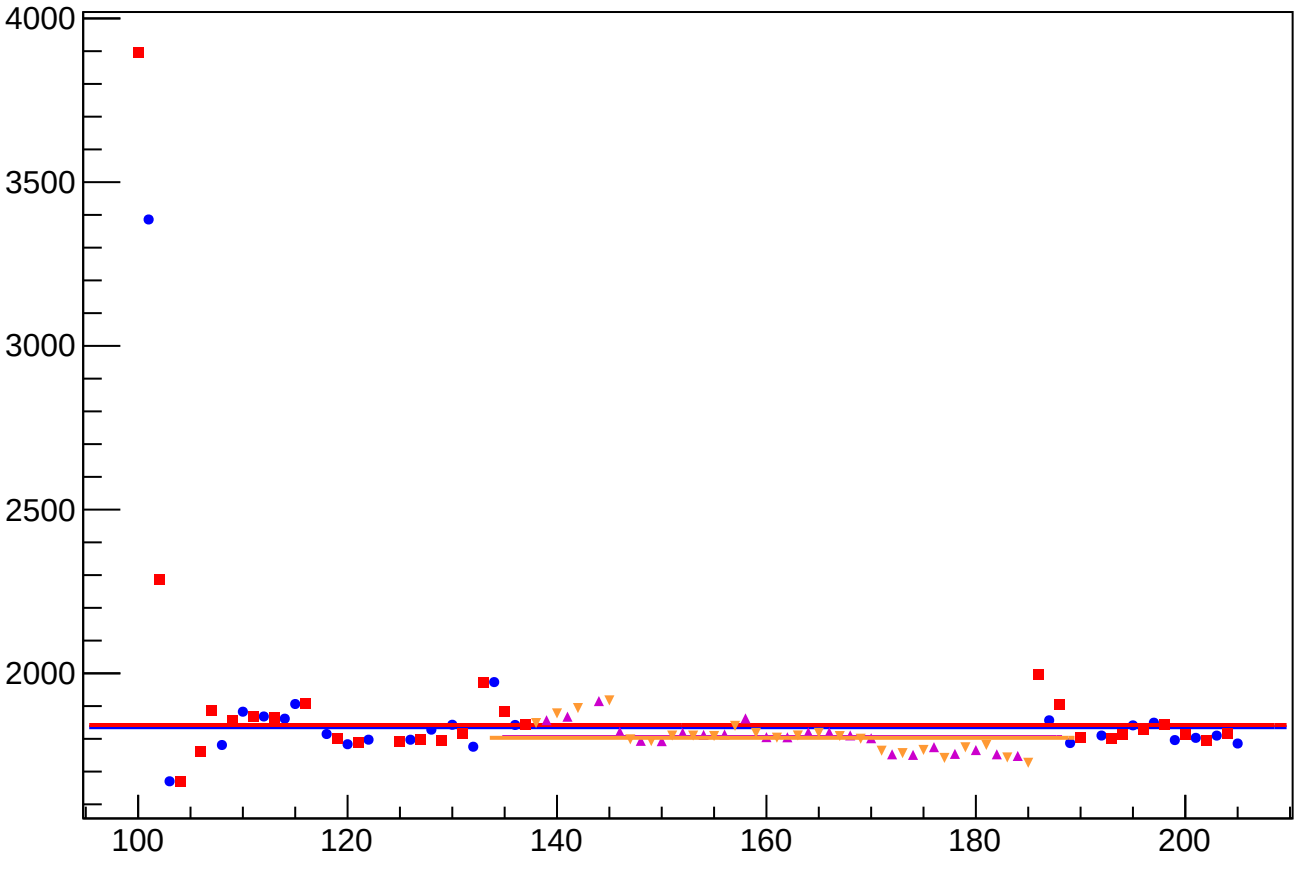
Left: 3915.797+/-297.089 χ^2/NDF: 53.7/46

Right: 4431.632+/-343.133 χ^2/NDF: 35.5/52

In: 4731.103+/-320.080 χ^2/NDF:39.1/47

Out: 3560.332+/-315.244 χ^2/NDF:44.6/51

All: 4136.807+/-224.602 χ^2/NDF: 90.5/99



Right In: 1835.531+/-0.348 χ^2/NDF: 299103.2/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1842.272+/-0.338 χ^2/NDF: 113326.6/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

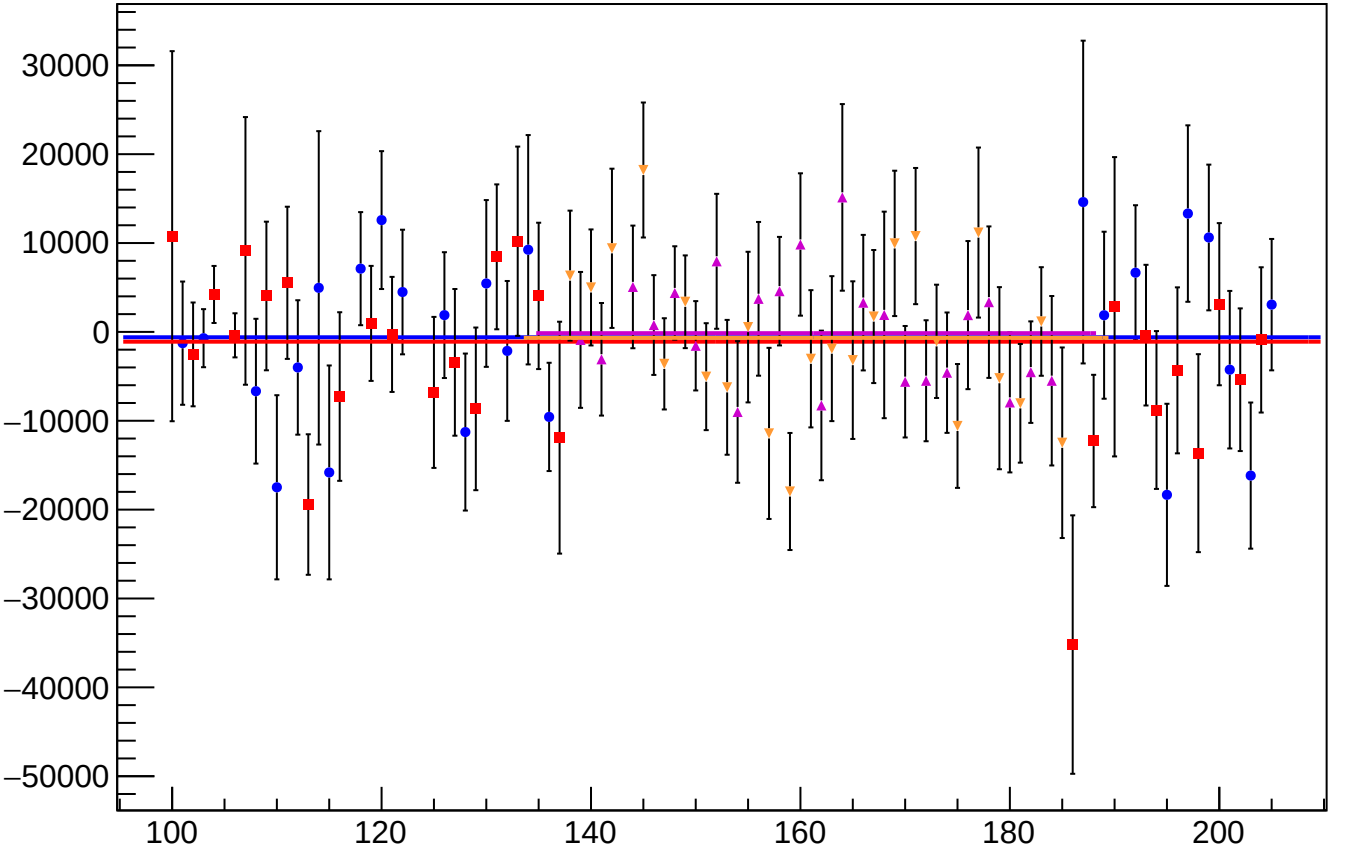
Right: 1838.994+/-0.242 χ^2/NDF: 412622.9/52

In: 1818.263+/-0.226 χ^2/NDF:322700.5/47

Out: 1820.094+/-0.223 χ^2/NDF:141555.7/51

All: 1819.193+/-0.159 χ^2/NDF: 464289.5/99

asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -604.991+/-1519.071 χ^2/NDF: 27.3/24

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1100.203+/-1290.784 χ^2/NDF: 25.8/27

Left In: -143.435+/-1471.371 χ^2/NDF:13.6/22

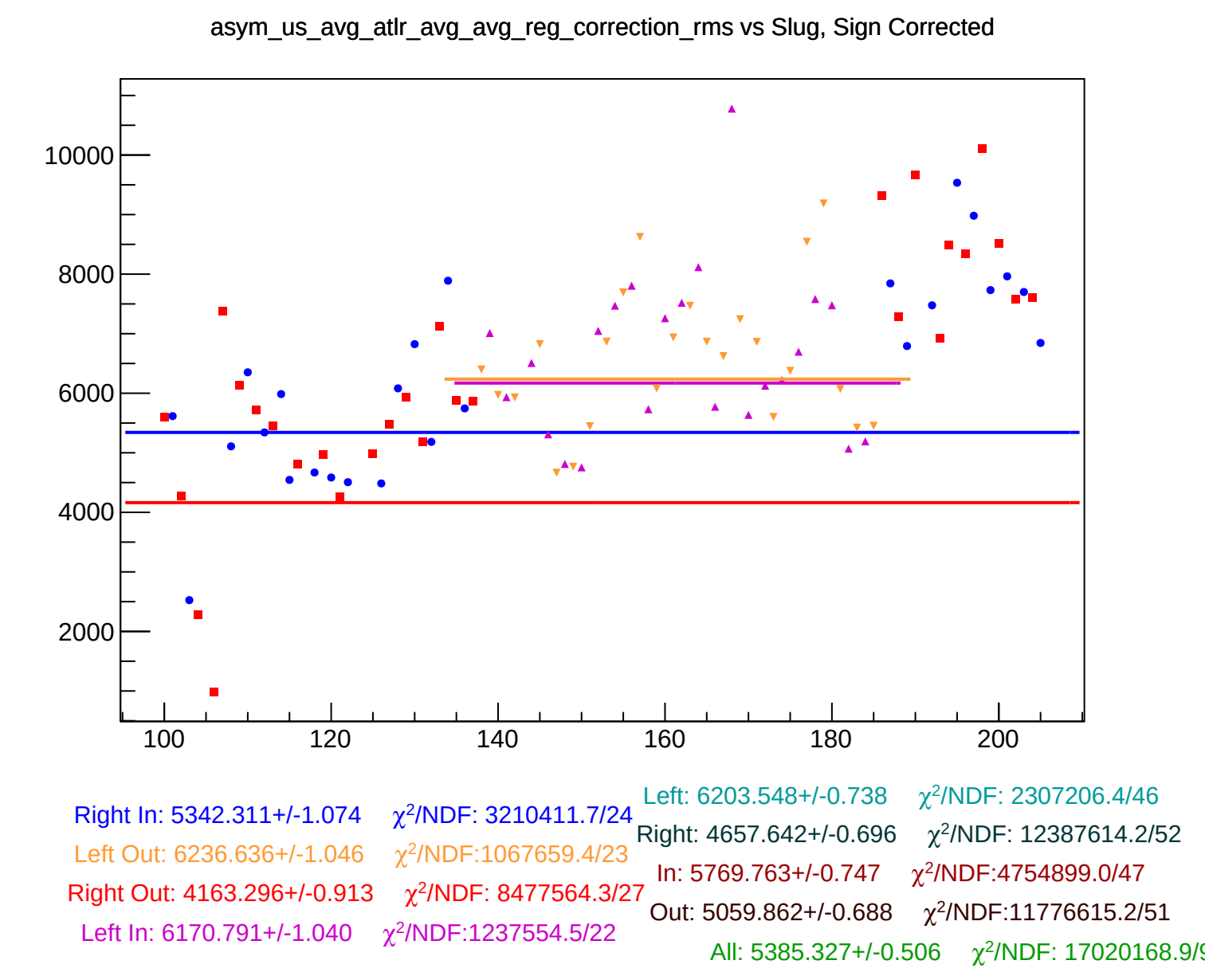
Left: -404.020+/-1043.032 χ^2/NDF: 43.4/46

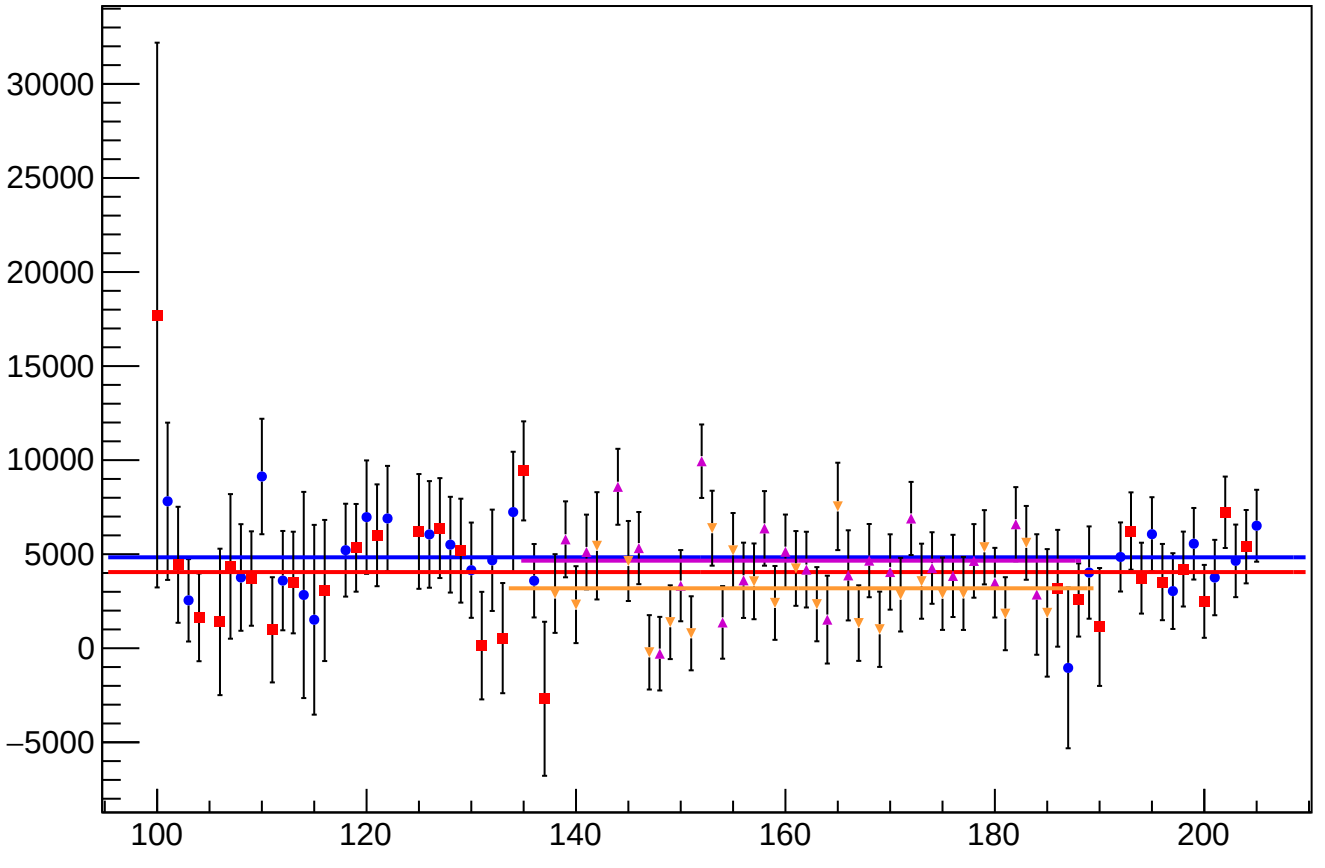
Right: -892.567+/-983.635 χ^2/NDF: 53.2/52

In: -366.853+/-1056.878 χ^2/NDF:40.9/47

Out: -912.980+/-972.444 χ^2/NDF:55.6/51

All: -662.599+/-715.613 χ^2/NDF: 96.7/99


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: 5342.311+/-1.074 χ²/NDF: 3210411.7/24
Left Out: 6236.636+/-1.046 χ²/NDF:1067659.4/23
Right Out: 4163.296+/-0.913 χ²/NDF: 8477564.3/27
Left In: 6170.791+/-1.040 χ²/NDF:1237554.5/22
Left: 6203.548+/-0.738 χ²/NDF: 2307206.4/46
Right: 4657.642+/-0.696 χ²/NDF: 12387614.2/52
In: 5769.763+/-0.747 χ²/NDF:4754899.0/47
Out: 5059.862+/-0.688 χ²/NDF:11776615.2/51
All: 5385.327+/-0.506 χ²/NDF: 17020168.9/9



Right In: 4834.068+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4049.085+/-479.128 χ^2/NDF: 22.9/27

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

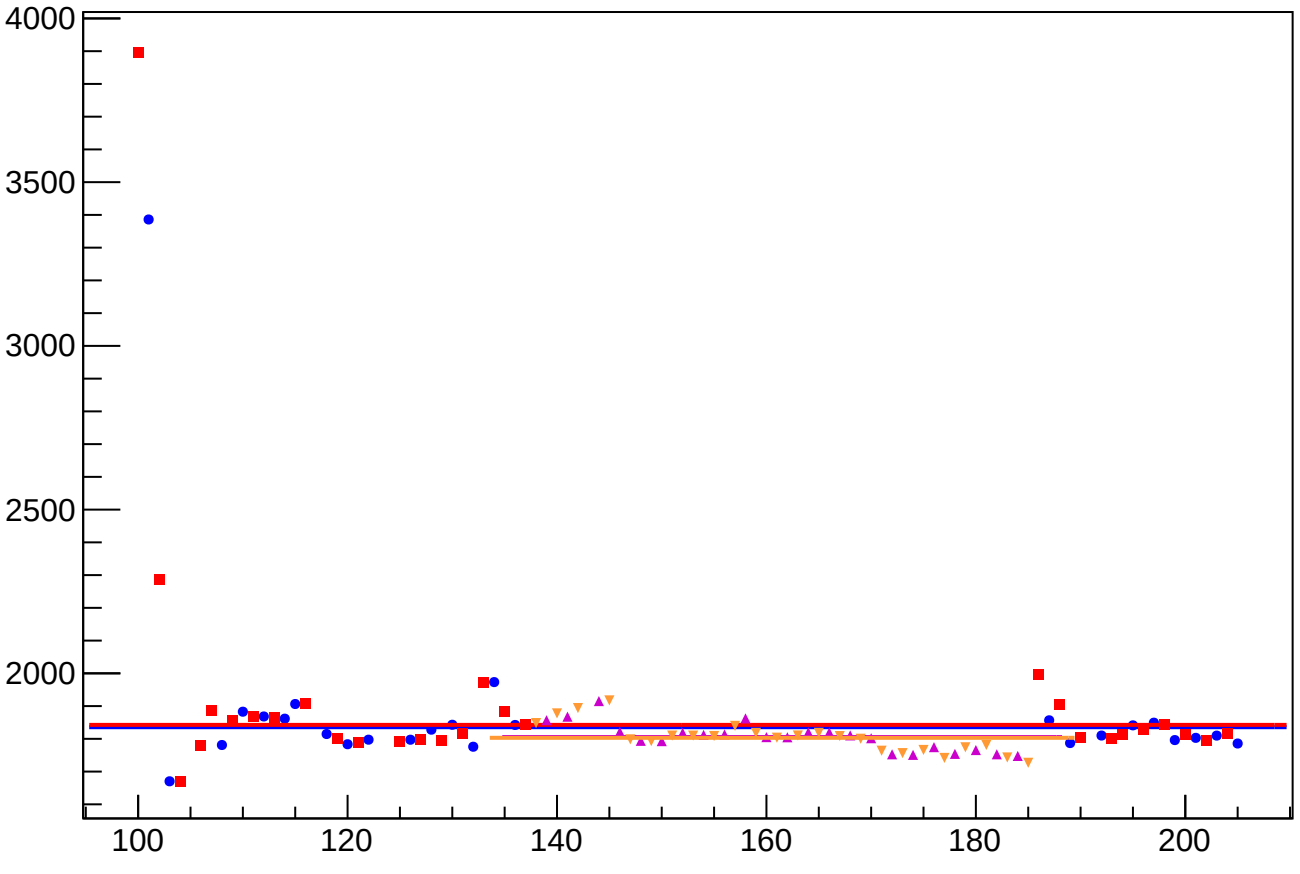
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4431.462+/-343.133 χ^2/NDF: 35.5/52

In: 4731.030+/-320.080 χ^2/NDF:39.0/47

Out: 3560.231+/-315.244 χ^2/NDF:44.6/51

All: 4136.720+/-224.602 χ^2/NDF: 90.5/99



Right In: 1835.531+/-0.348 χ^2/NDF: 299105.0/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1842.605+/-0.338 χ^2/NDF: 112922.8/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

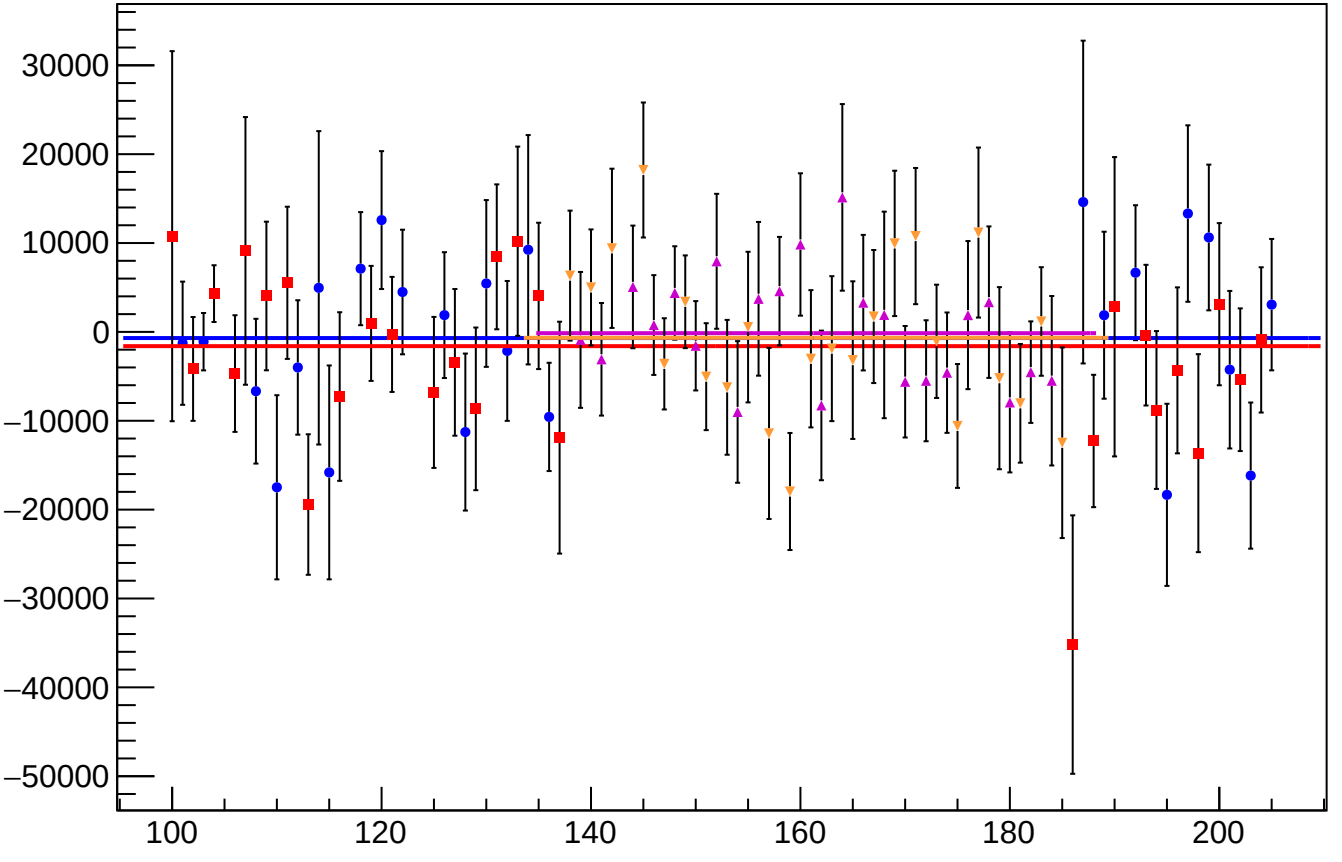
Right: 1839.164+/-0.242 χ^2/NDF: 412240.5/52

In: 1818.263+/-0.226 χ^2/NDF:322702.4/47

Out: 1820.235+/-0.223 χ^2/NDF:141280.0/51

All: 1819.265+/-0.159 χ^2/NDF: 464020.9/99

asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -692.723+/-1515.041 χ^2/NDF: 27.3/24

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1604.245+/-1471.266 χ^2/NDF: 26.2/27

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

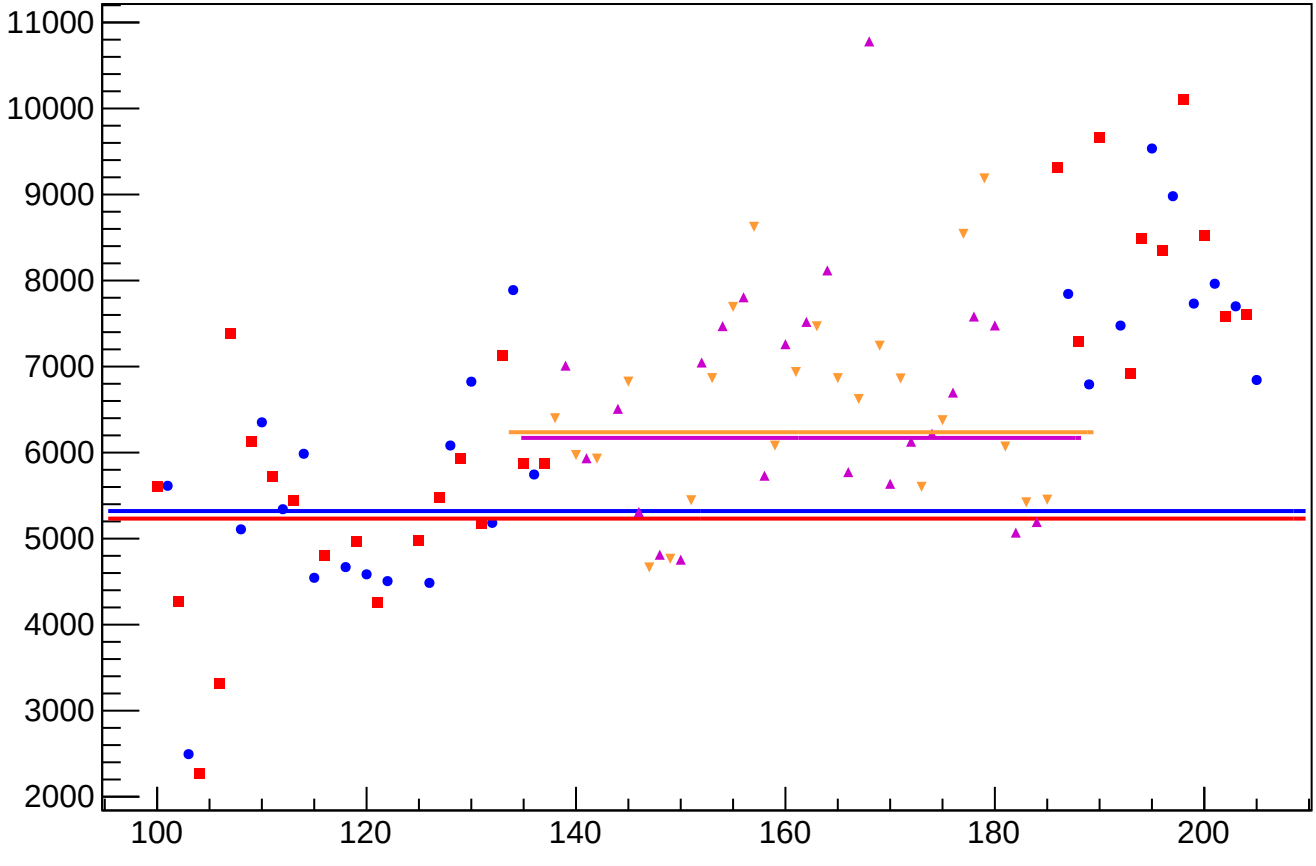
Right: -1161.843+/-1055.479 χ^2/NDF: 53.7/52

In: -410.014+/-1055.517 χ^2/NDF:41.0/47

Out: -1138.138+/-1042.995 χ^2/NDF:56.2/51

All: -778.421+/-741.896 χ^2/NDF: 97.4/99

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 5320.587+/-1.071 χ^2/NDF: 3279969.7/24

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5232.767+/-1.040 χ^2/NDF: 4180278.0/27

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

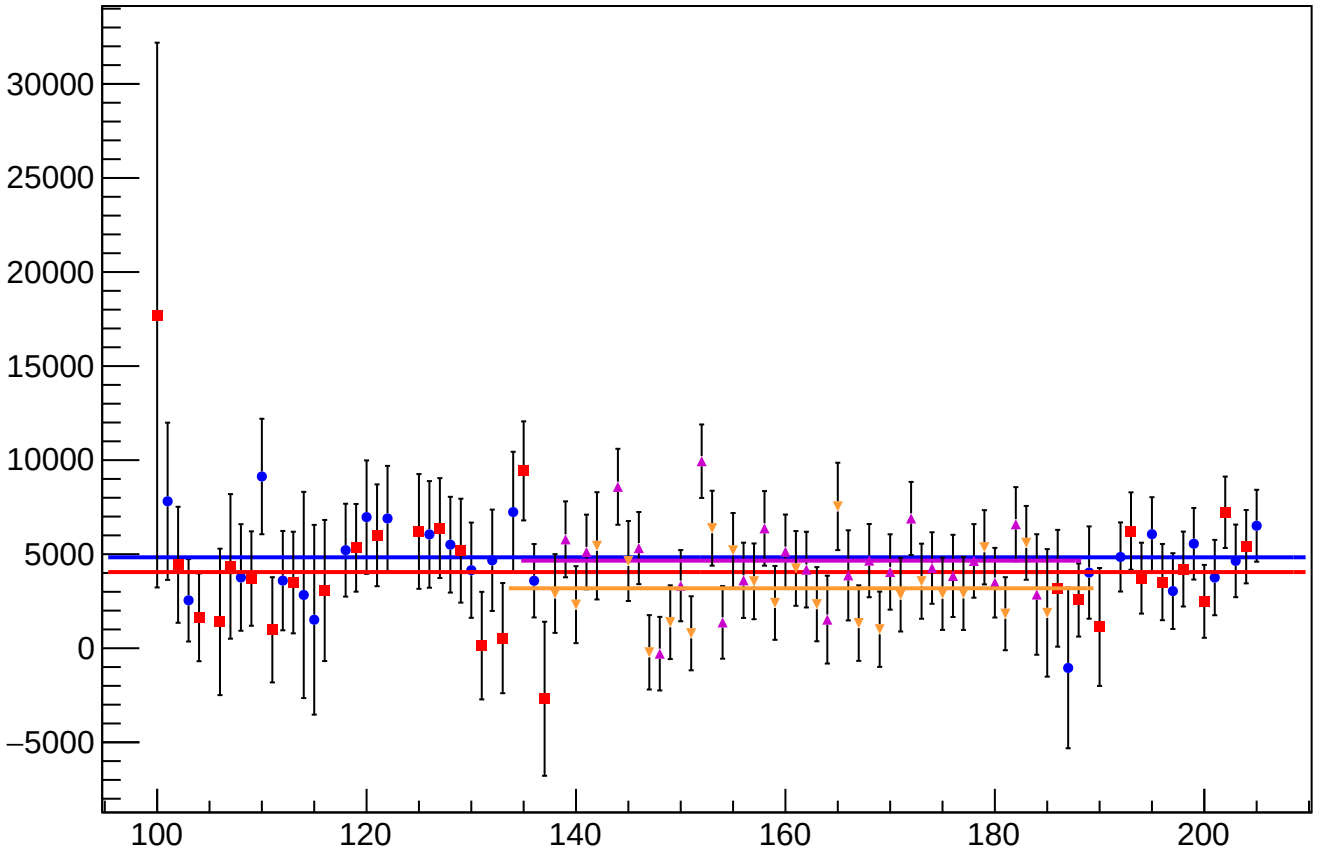
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5275.390+/-0.746 χ^2/NDF: 7463706.2/52

In: 5758.118+/-0.746 χ^2/NDF:4841658.4/47

Out: 5732.138+/-0.738 χ^2/NDF:5711120.6/51

All: 5744.973+/-0.525 χ^2/NDF: 10553392.0/9



Right In: 4834.068+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: 4049.085+/-479.128 χ^2/NDF: 22.9/27

Left In: 4655.225+/-421.691 χ^2/NDF:27.7/22

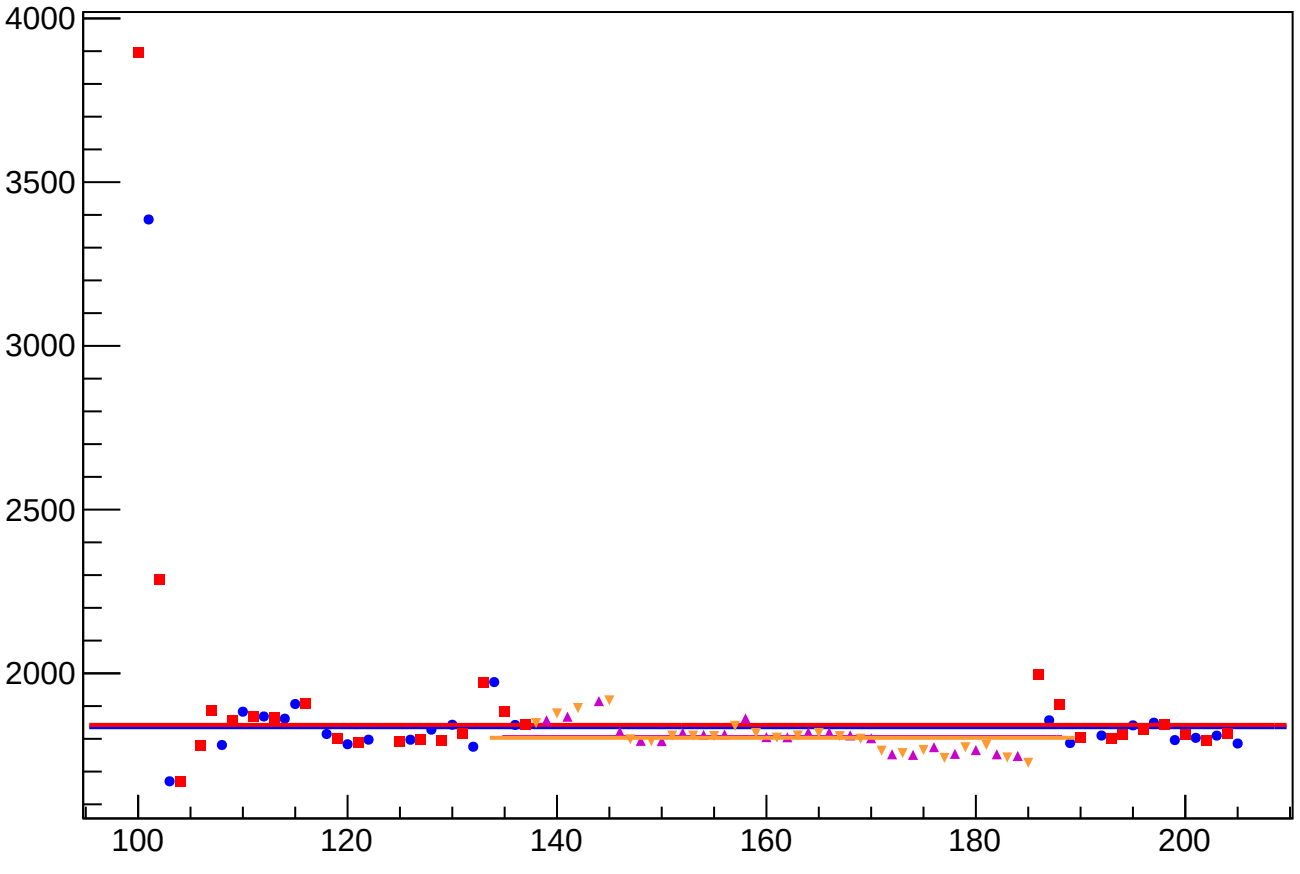
Left: 3915.772+/-297.089 χ^2/NDF: 53.7/46

Right: 4431.462+/-343.133 χ^2/NDF: 35.5/52

In: 4731.030+/-320.080 χ^2/NDF:39.0/47

Out: 3560.231+/-315.244 χ^2/NDF:44.6/51

All: 4136.720+/-224.602 χ^2/NDF: 90.5/99



Right In: 1835.531+/-0.348 χ^2/NDF: 299105.0/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

Right Out: 1842.605+/-0.338 χ^2/NDF: 112922.8/27

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

Left: 1804.328+/-0.210 χ^2/NDF: 39989.6/46

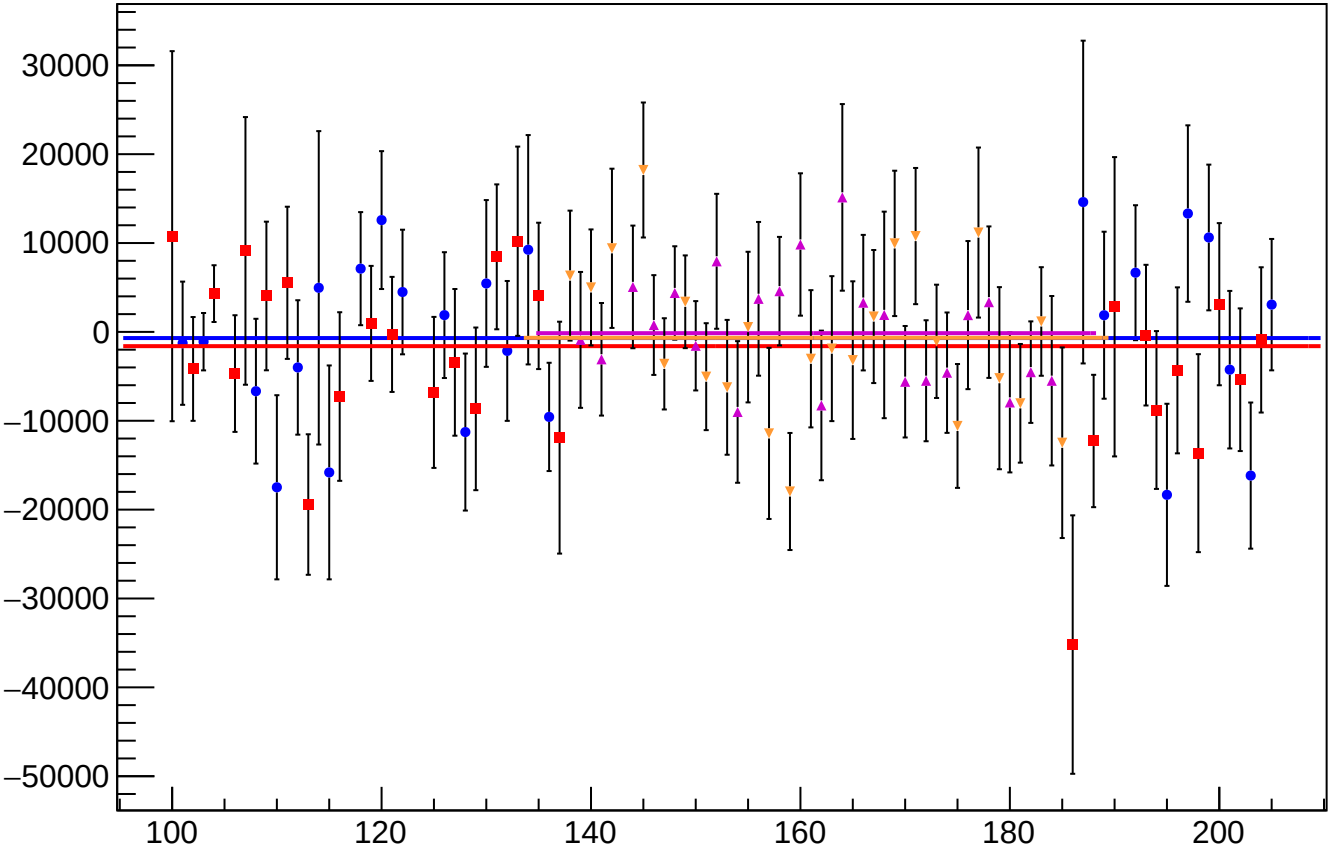
Right: 1839.164+/-0.242 χ^2/NDF: 412240.5/52

In: 1818.263+/-0.226 χ^2/NDF:322702.4/47

Out: 1820.235+/-0.223 χ^2/NDF:141280.0/51

All: 1819.265+/-0.159 χ^2/NDF: 464020.9/99

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -692.723+/-1515.041 χ^2/NDF: 27.3/24

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: -1604.245+/-1471.266 χ^2/NDF: 26.2/27

Left In: -143.369+/-1471.371 χ^2/NDF:13.6/22

Left: -403.988+/-1043.032 χ^2/NDF: 43.4/46

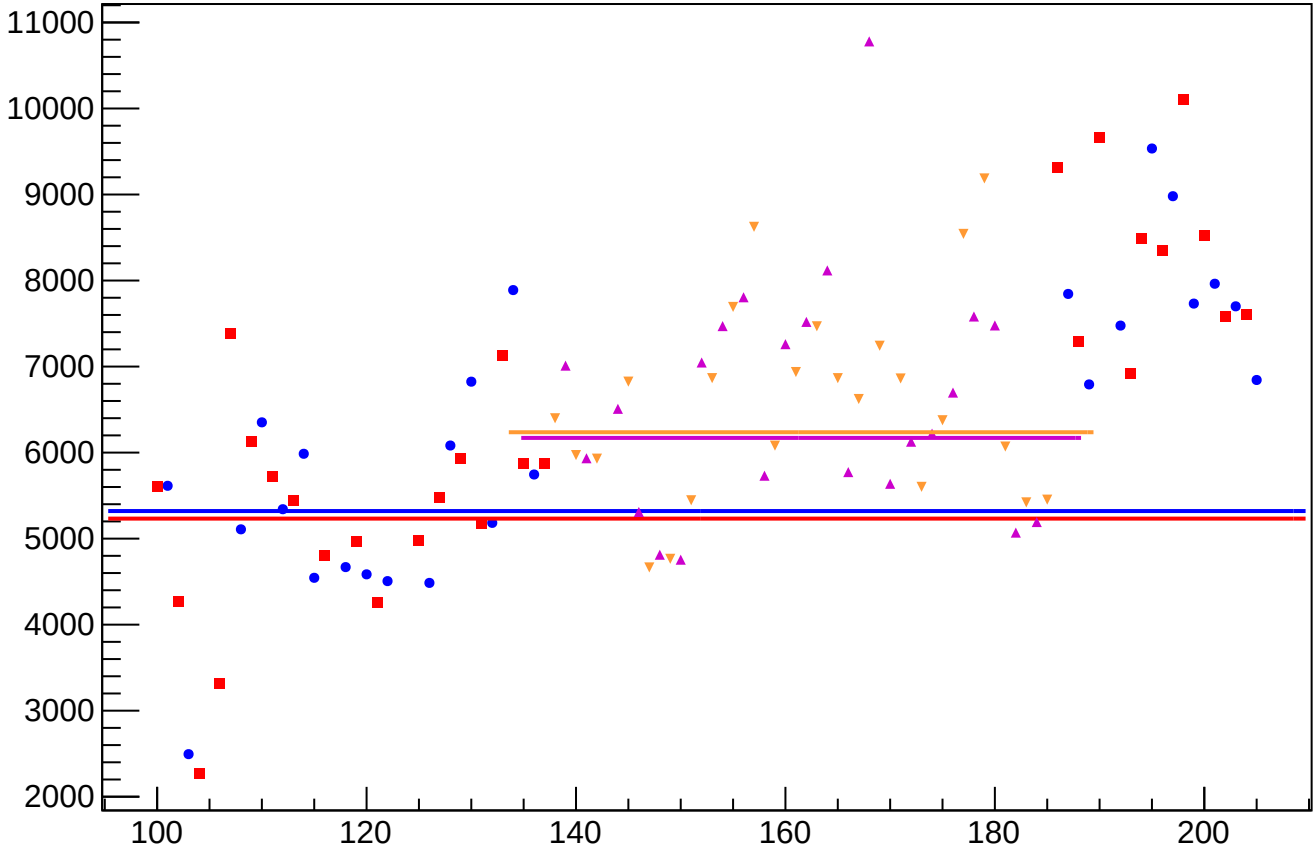
Right: -1161.843+/-1055.479 χ^2/NDF: 53.7/52

In: -410.014+/-1055.517 χ^2/NDF:41.0/47

Out: -1138.138+/-1042.995 χ^2/NDF:56.2/51

All: -778.421+/-741.896 χ^2/NDF: 97.4/99

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 5320.587+/-1.071 χ^2/NDF: 3279969.7/24

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5232.767+/-1.040 χ^2/NDF: 4180278.0/27

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

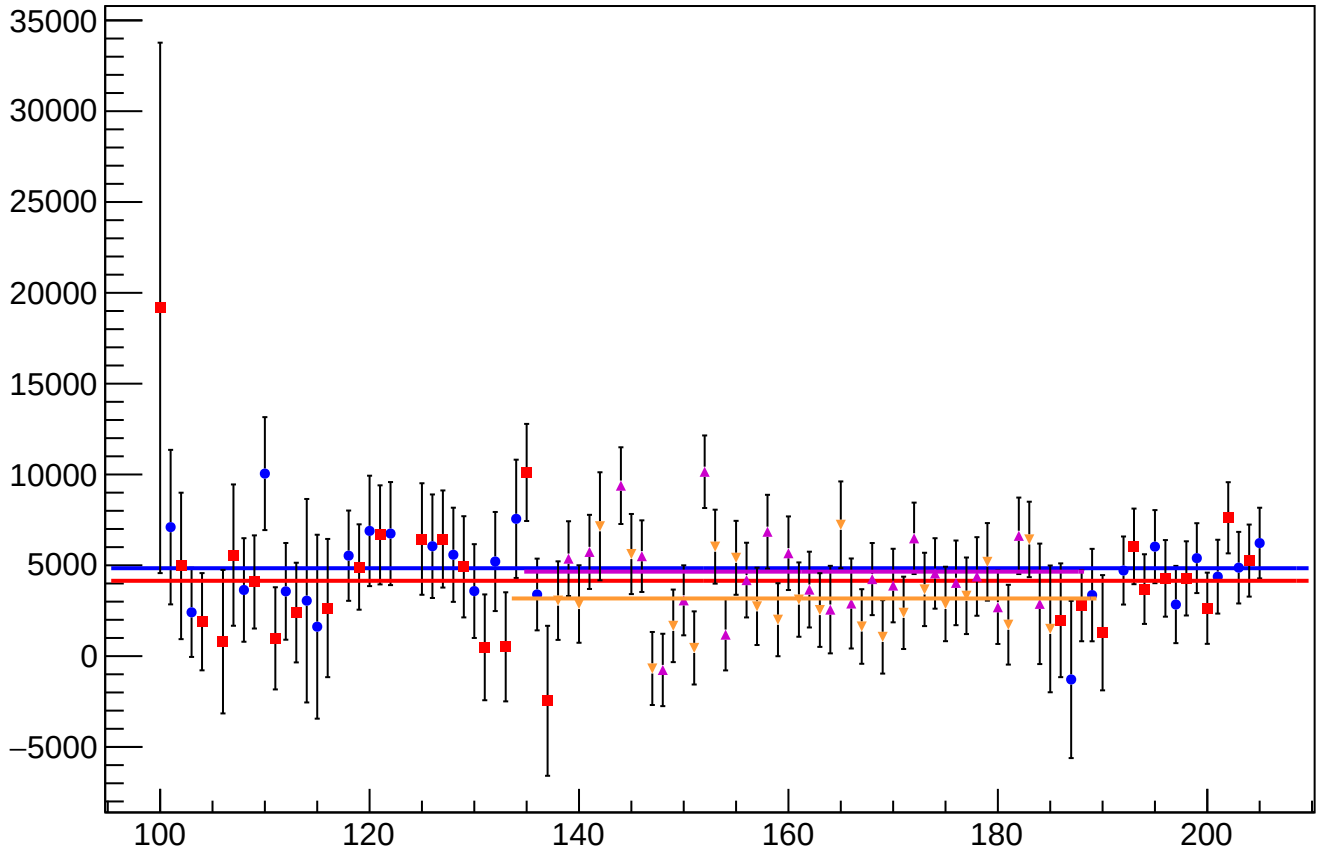
Left: 6203.546+/-0.738 χ^2/NDF: 2307222.5/46

Right: 5275.390+/-0.746 χ^2/NDF: 7463706.2/52

In: 5758.118+/-0.746 χ^2/NDF:4841658.4/47

Out: 5732.138+/-0.738 χ^2/NDF:5711120.6/51

All: 5744.973+/-0.525 χ^2/NDF: 10553392.0/9



Right In: 4839.614+/-502.753 χ^2/NDF: 11.9/24

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: 4147.267+/-491.522 χ^2/NDF: 24.1/27

Left In: 4650.461+/-436.198 χ^2/NDF:30.5/22

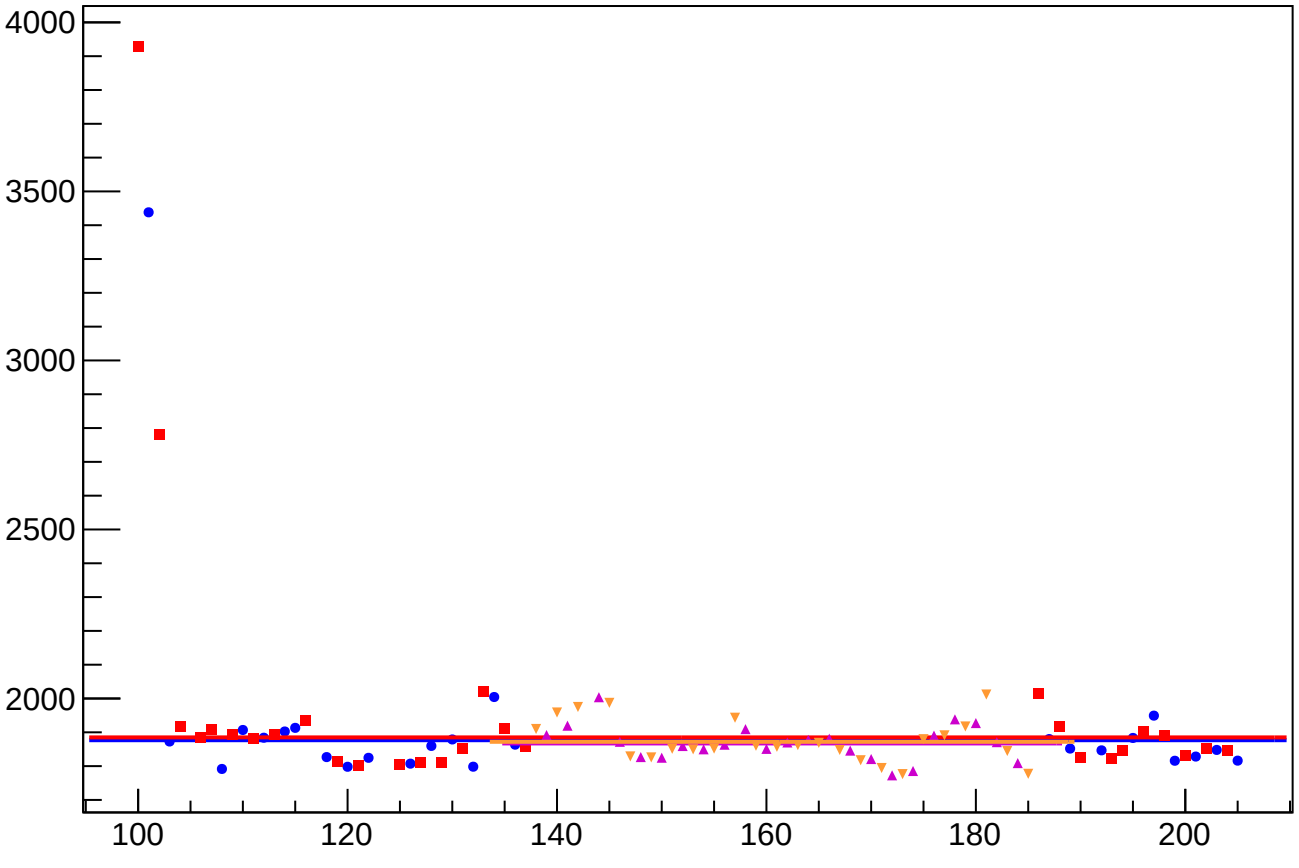
Left: 3910.162+/-307.948 χ^2/NDF: 57.8/46

Right: 4485.621+/-351.462 χ^2/NDF: 37.0/52

In: 4731.697+/-329.475 χ^2/NDF:42.6/47

Out: 3601.585+/-325.673 χ^2/NDF:47.9/51

All: 4160.082+/-231.618 χ^2/NDF: 96.4/99



Right In: 1876.668+/-0.355 χ^2/NDF: 289151.4/24

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

Right Out: 1884.957+/-0.347 χ^2/NDF: 161709.7/27

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

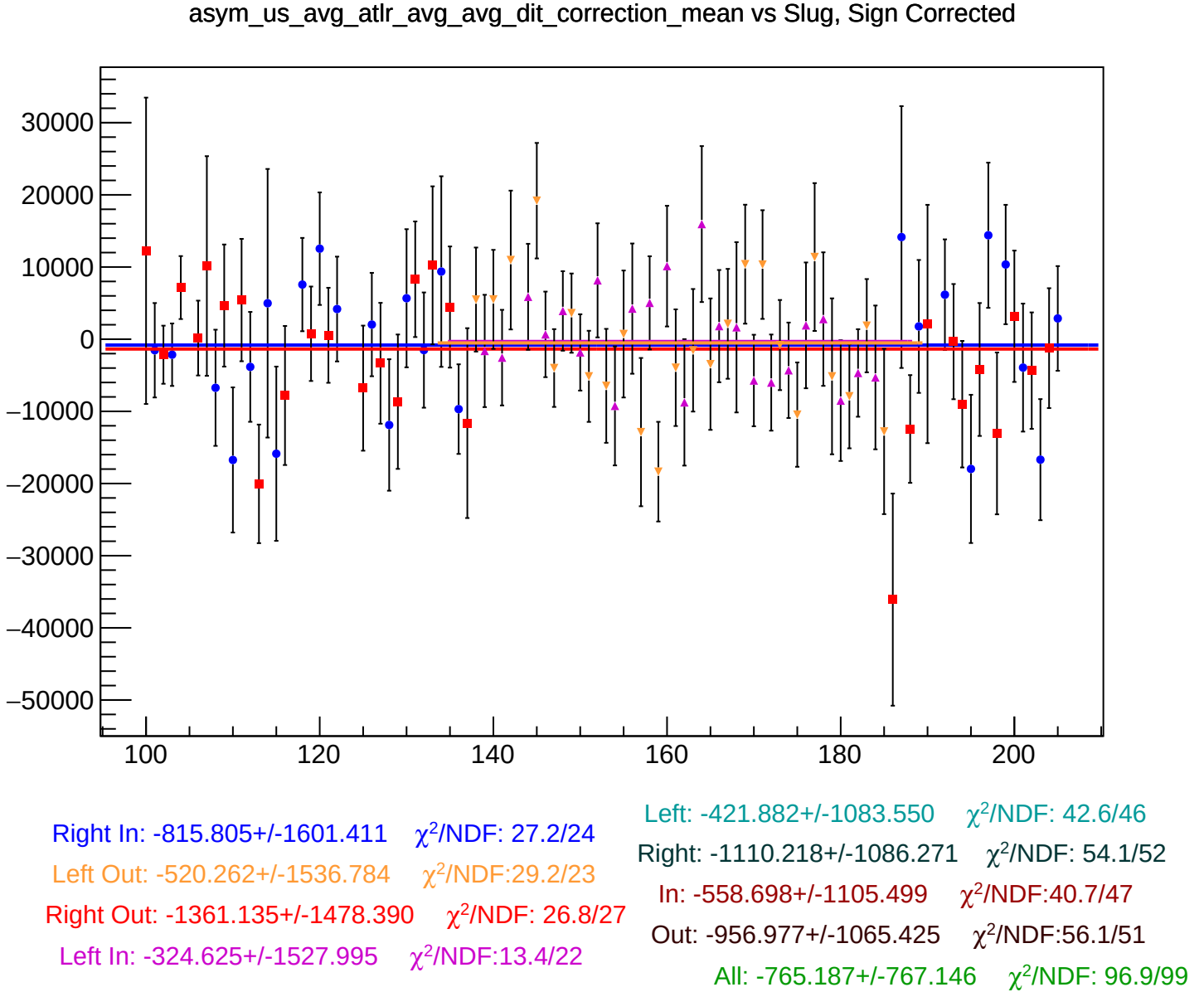
Left: 1869.537+/-0.218 χ^2/NDF: 64528.1/46

Right: 1880.908+/-0.248 χ^2/NDF: 451139.2/52

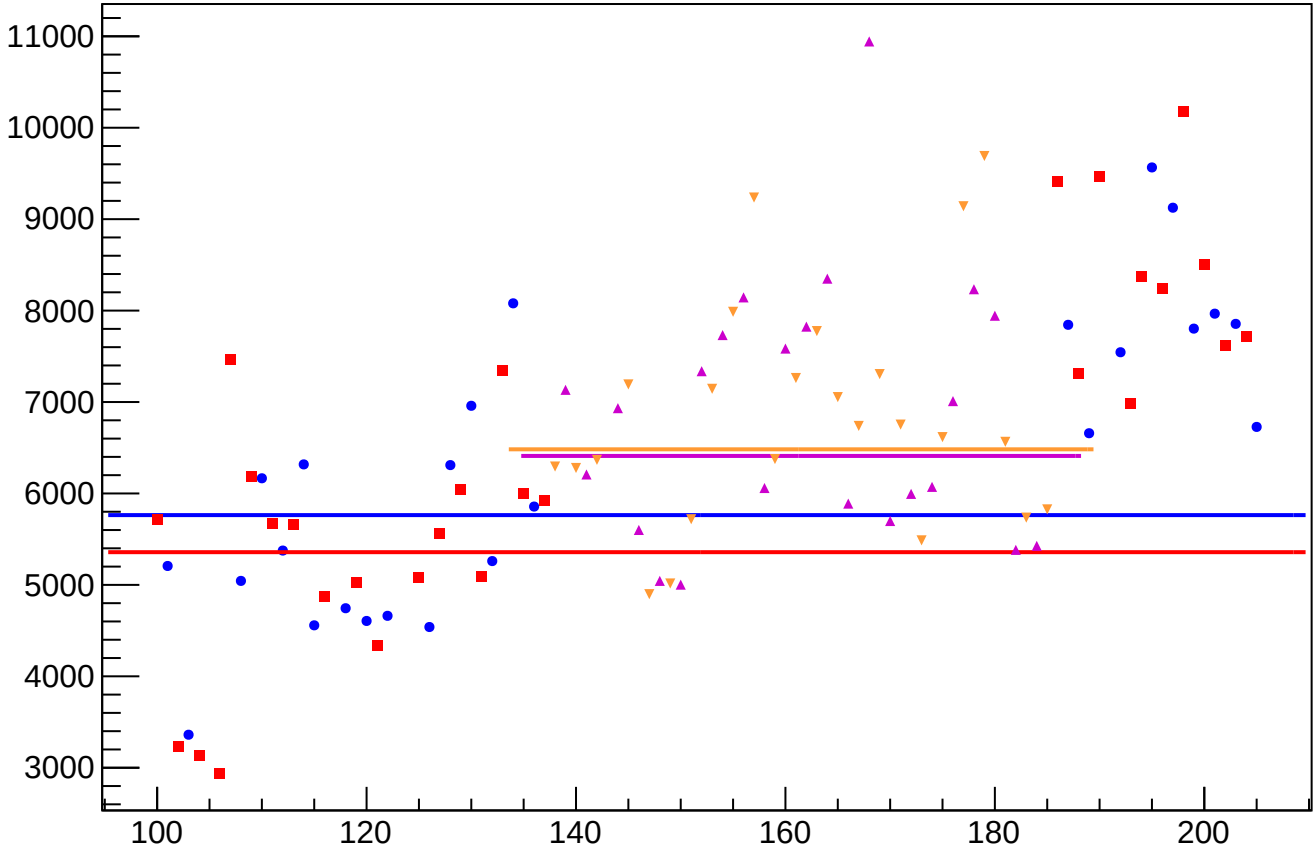
In: 1871.197+/-0.233 χ^2/NDF:316813.1/47

Out: 1877.680+/-0.230 χ^2/NDF:199647.2/51

All: 1874.477+/-0.164 χ^2/NDF: 516852.0/99


asym_us_avg_atlr_avg_avg_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -815.805+/-1601.411 χ²/NDF: 27.2/24
Left Out: -520.262+/-1536.784 χ²/NDF:29.2/23
Right Out: -1361.135+/-1478.390 χ²/NDF: 26.8/27
Left In: -324.625+/-1527.995 χ²/NDF:13.4/22
Left: -421.882+/-1083.550 χ²/NDF: 42.6/46
Right: -1110.218+/-1086.271 χ²/NDF: 54.1/52
In: -558.698+/-1105.499 χ²/NDF:40.7/47
Out: -956.977+/-1065.425 χ²/NDF:56.1/51
All: -765.187+/-767.146 χ²/NDF: 96.9/99

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 5763.234+/-1.132 χ^2/NDF: 2038195.1/24

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5357.794+/-1.045 χ^2/NDF: 3589918.1/27

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

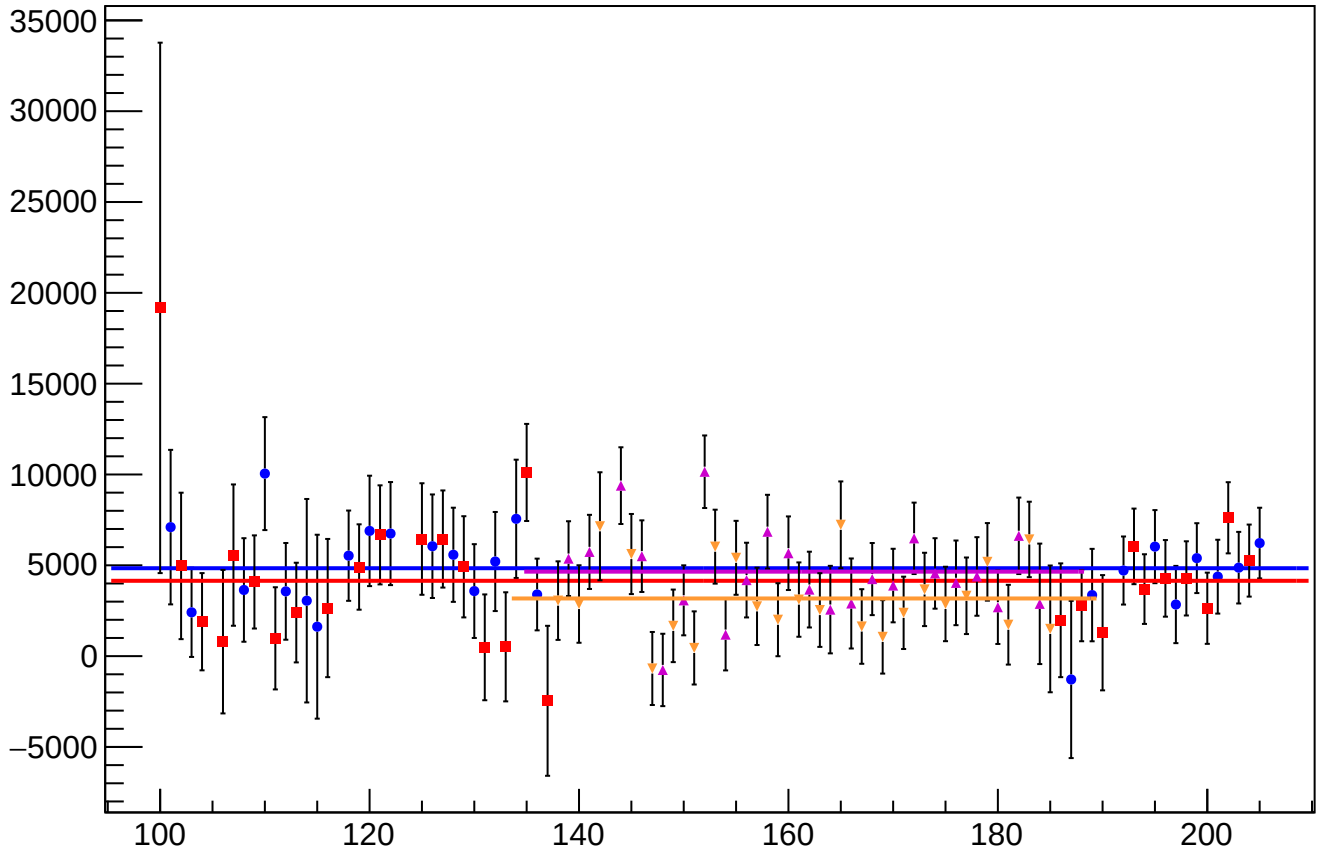
Left: 6446.367+/-0.766 χ^2/NDF: 2296641.6/46

Right: 5544.345+/-0.768 χ^2/NDF: 5697324.2/52

In: 6102.001+/-0.782 χ^2/NDF:3429008.5/47

Out: 5898.484+/-0.753 χ^2/NDF:5221083.2/51

All: 5996.487+/-0.542 χ^2/NDF: 8685233.6/99



Right In: 4839.610+/-502.753 χ^2/NDF: 11.9/24

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: 4147.264+/-491.522 χ^2/NDF: 24.1/27

Left In: 4650.462+/-436.198 χ^2/NDF:30.5/22

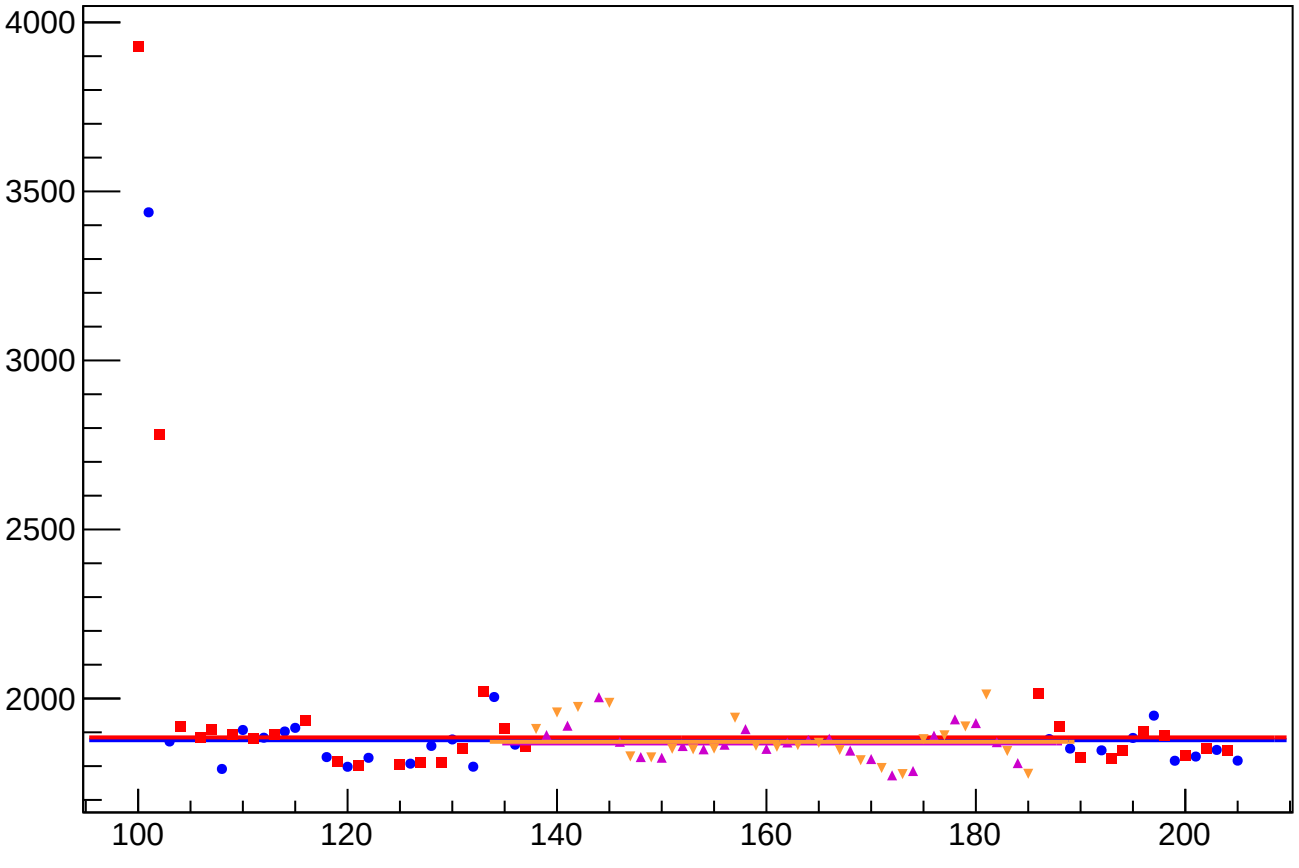
Left: 3910.160+/-307.949 χ^2/NDF: 57.8/46

Right: 4485.617+/-351.462 χ^2/NDF: 37.0/52

In: 4731.696+/-329.475 χ^2/NDF:42.6/47

Out: 3601.580+/-325.673 χ^2/NDF:47.9/51

All: 4160.080+/-231.618 χ^2/NDF: 96.4/99



Right In: 1876.667+/-0.355 χ^2/NDF: 289151.6/24

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

Right Out: 1884.957+/-0.347 χ^2/NDF: 161708.7/27

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

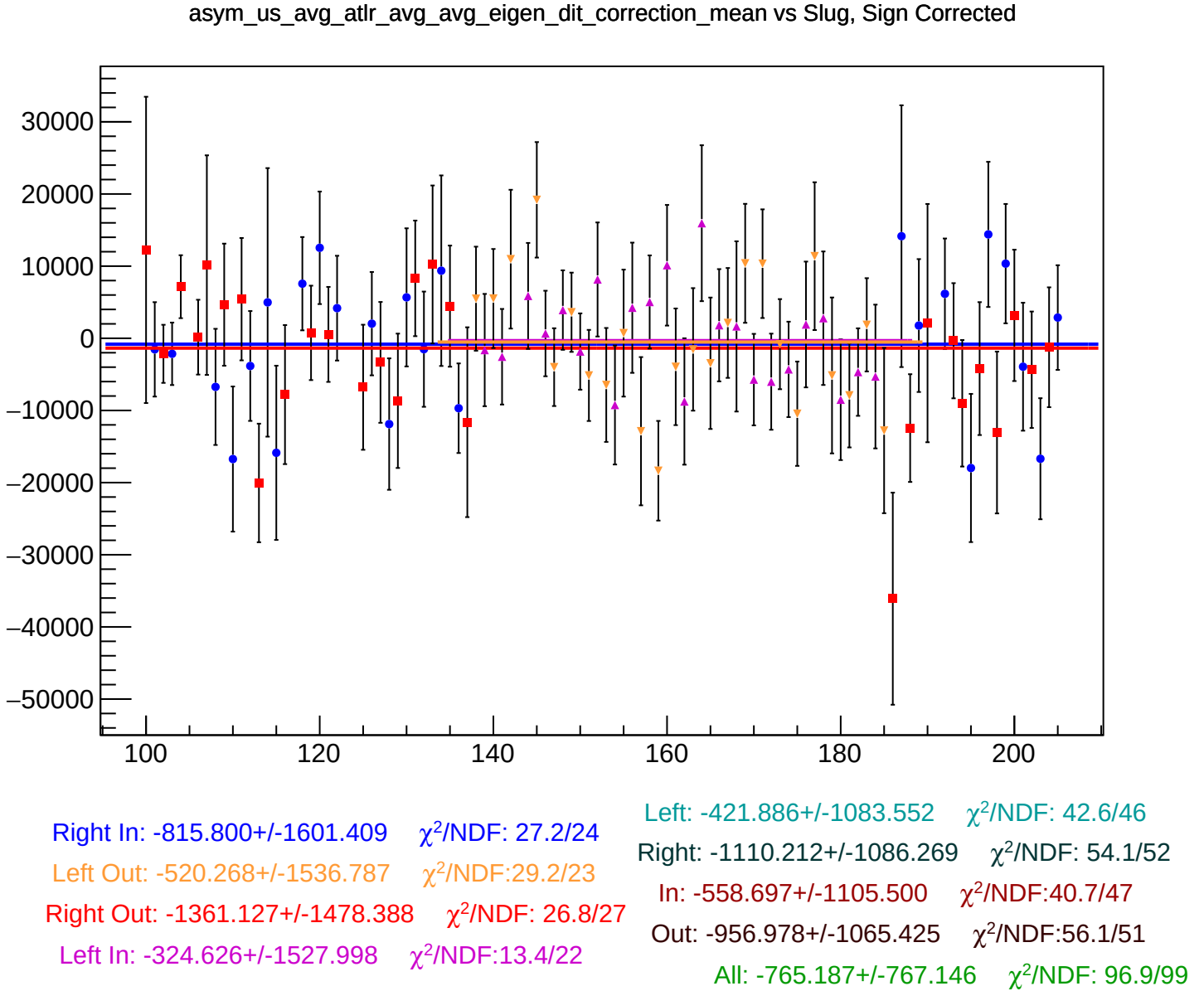
Left: 1869.538+/-0.218 χ^2/NDF: 64530.3/46

Right: 1880.908+/-0.248 χ^2/NDF: 451138.5/52

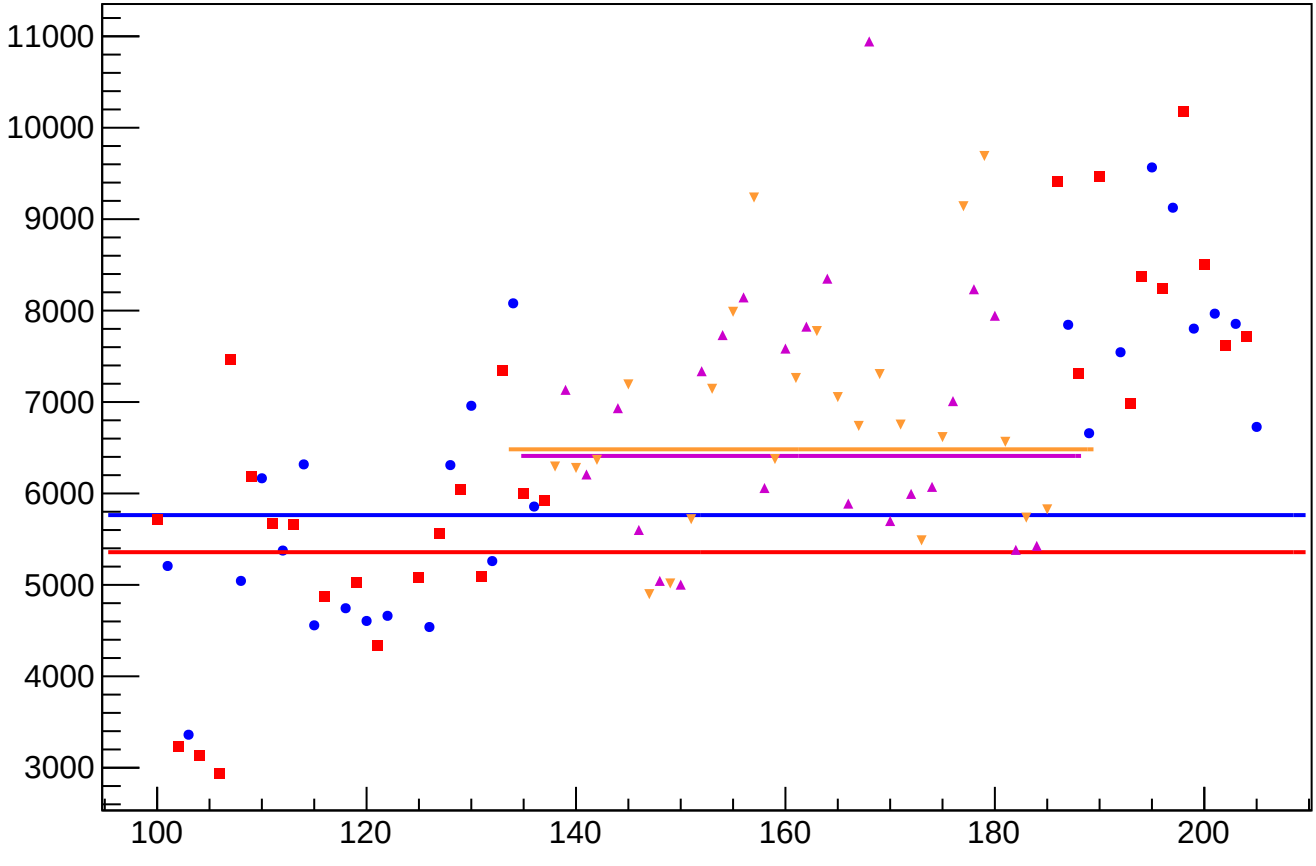
In: 1871.198+/-0.233 χ^2/NDF:316814.4/47

Out: 1877.681+/-0.230 χ^2/NDF:199647.0/51

All: 1874.478+/-0.164 χ^2/NDF: 516853.1/99


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
Right In: -815.800+/-1601.409 χ²/NDF: 27.2/24
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: -1361.127+/-1478.388 χ²/NDF: 26.8/27
Left In: -324.626+/-1527.998 χ²/NDF:13.4/22
Left: -421.886+/-1083.552 χ²/NDF: 42.6/46
Right: -1110.212+/-1086.269 χ²/NDF: 54.1/52
In: -558.697+/-1105.500 χ²/NDF:40.7/47
Out: -956.978+/-1065.425 χ²/NDF:56.1/51
All: -765.187+/-767.146 χ²/NDF: 96.9/99

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 5763.224+/-1.132 χ^2/NDF: 2038219.9/24

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5357.783+/-1.045 χ^2/NDF: 3589943.0/27

Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

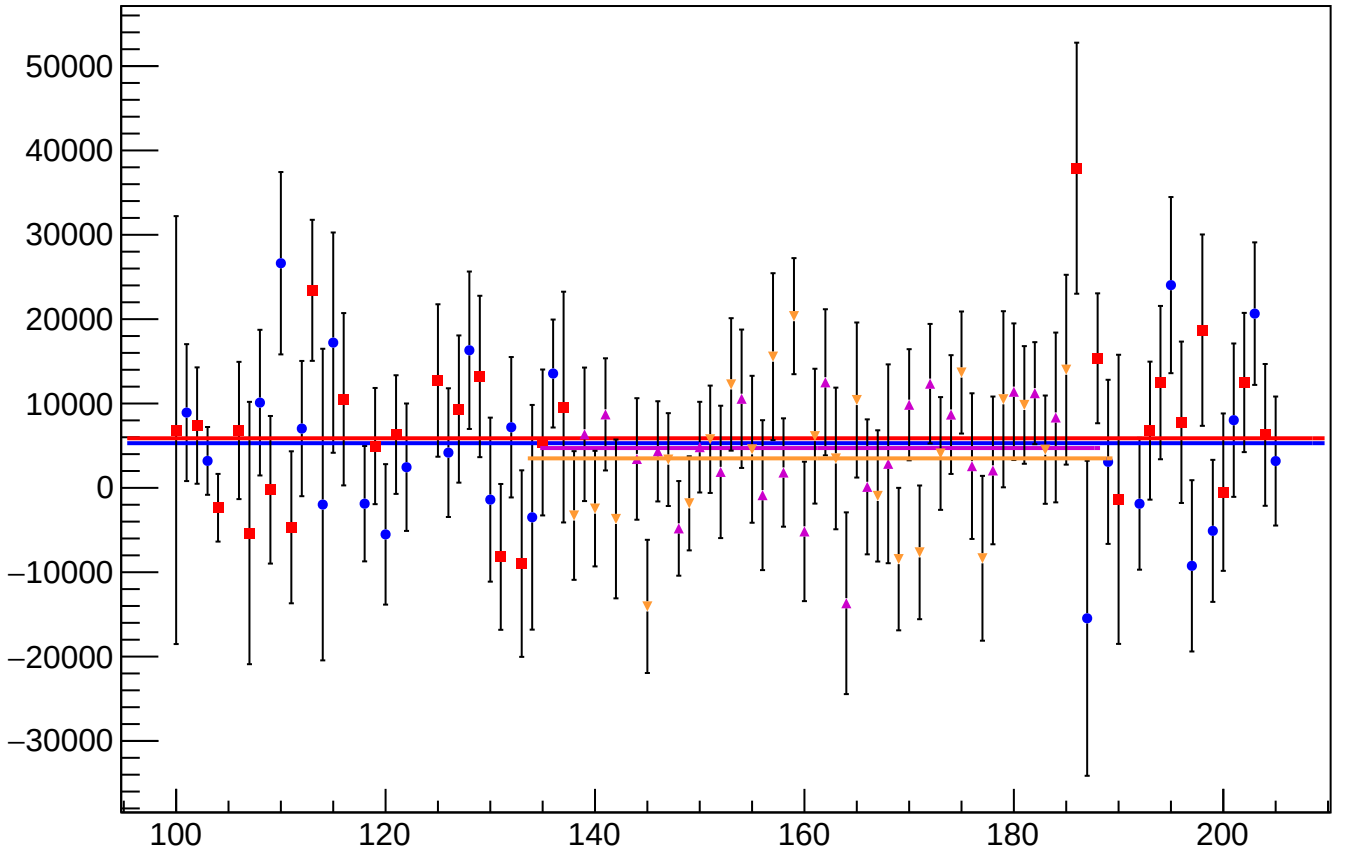
Left: 6446.377+/-0.766 χ^2/NDF: 2296647.1/46

Right: 5544.334+/-0.768 χ^2/NDF: 5697374.4/52

In: 6102.001+/-0.782 χ^2/NDF:3429047.0/47

Out: 5898.481+/-0.753 χ^2/NDF:5221131.8/51

All: 5996.485+/-0.542 χ^2/NDF: 8685321.4/99



Right In: 5296.835+/-1651.754 χ^2/NDF: 25.1/24

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: 5878.679+/-1618.016 χ^2/NDF: 26.4/27

Left In: 4719.535+/-1539.177 χ^2/NDF:14.3/22

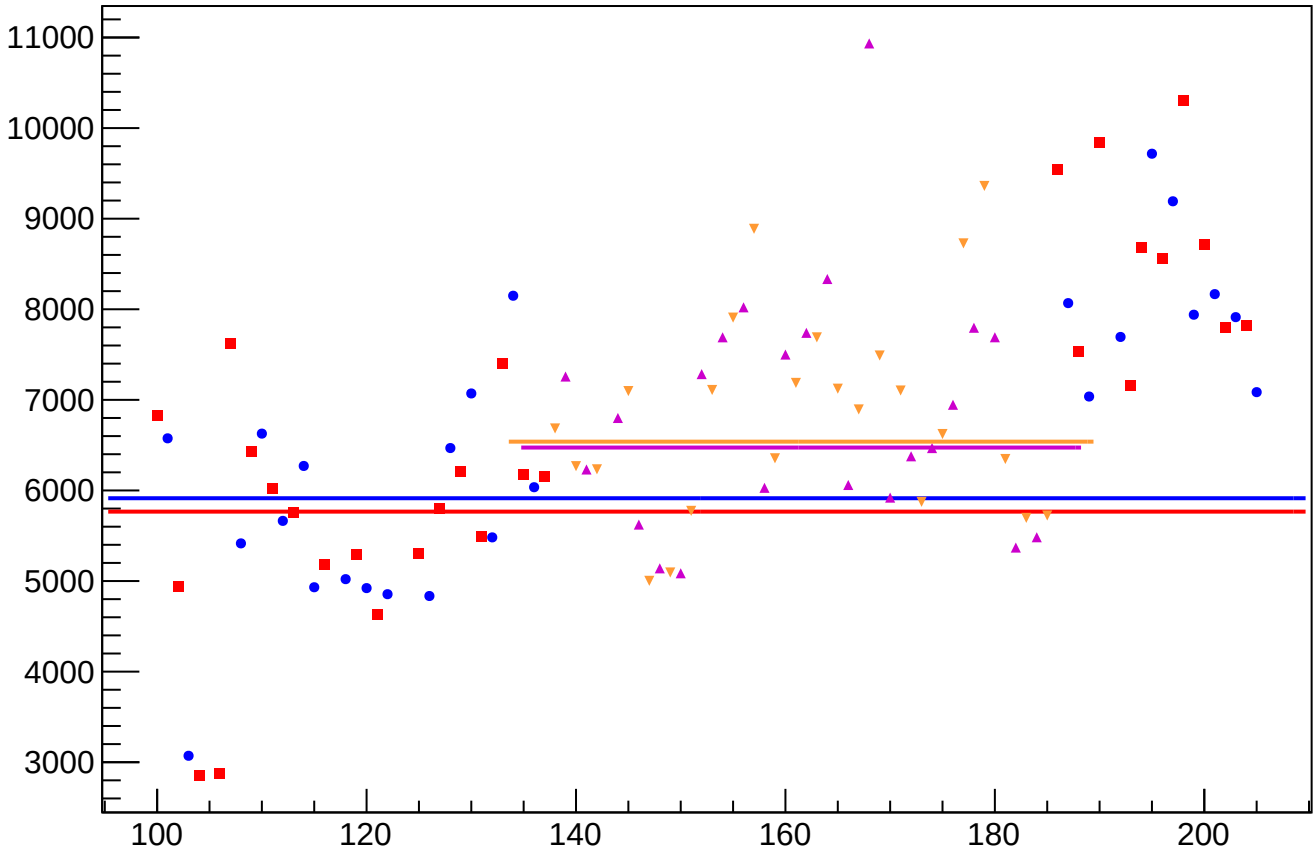
Left: 4110.988+/-1090.710 χ^2/NDF: 42.1/46

Right: 5593.760+/-1155.853 χ^2/NDF: 51.6/52

In: 4987.843+/-1126.060 χ^2/NDF:39.4/47

Out: 4633.620+/-1117.718 χ^2/NDF:55.0/51

All: 4809.414+/-793.279 χ^2/NDF: 94.5/99



Right In: 5914.087+/-1.168 χ^2/NDF: 2311856.7/24

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

Right Out: 5766.252+/-1.128 χ^2/NDF: 3240280.7/27

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

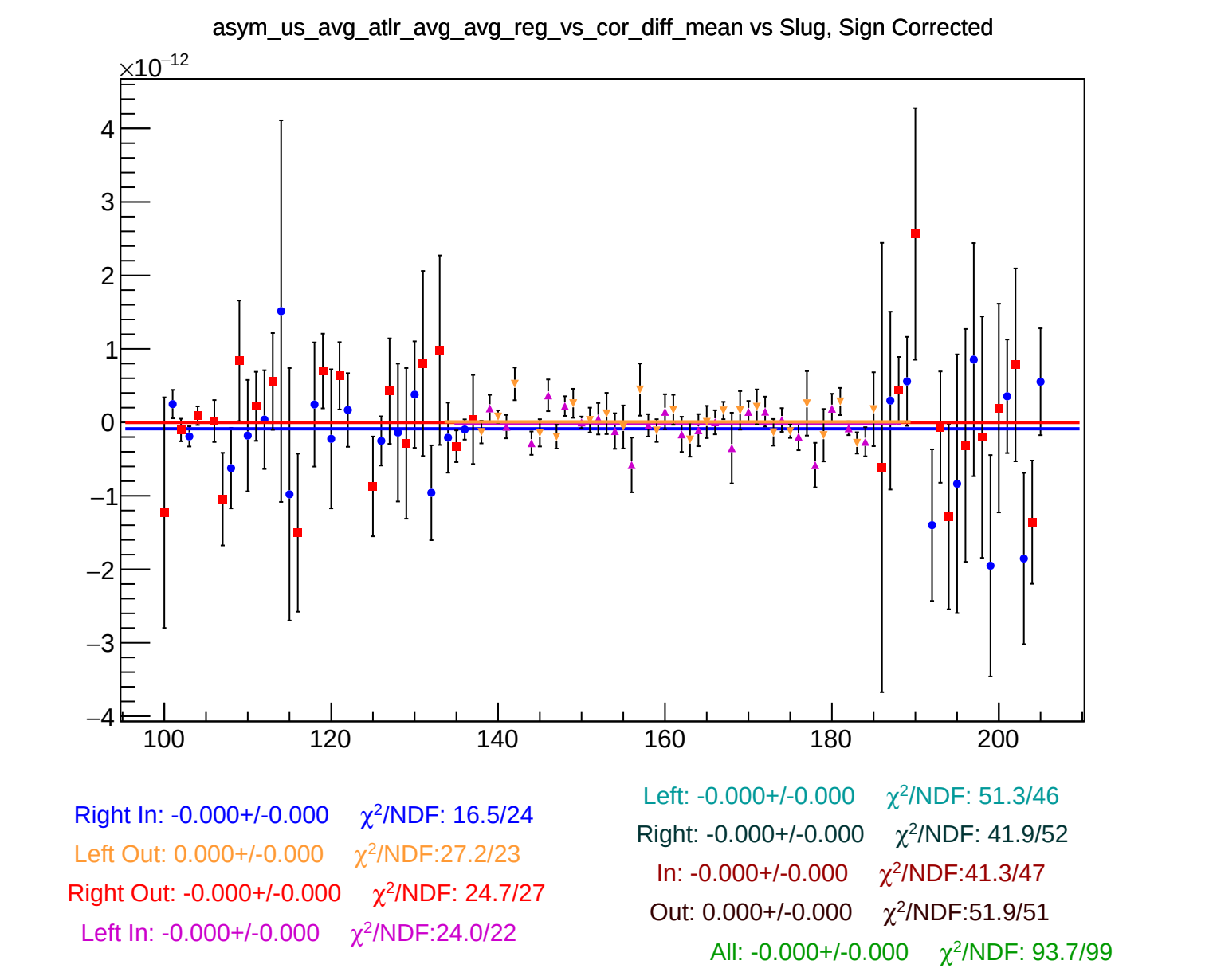
Left: 6505.953+/-0.771 χ^2/NDF: 1994157.3/46

Right: 5837.572+/-0.811 χ^2/NDF: 5560429.6/52

In: 6213.492+/-0.796 χ^2/NDF:3506393.5/47

Out: 6164.490+/-0.785 χ^2/NDF:4402826.8/51

All: 6188.638+/-0.559 χ^2/NDF: 7911141.3/99


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
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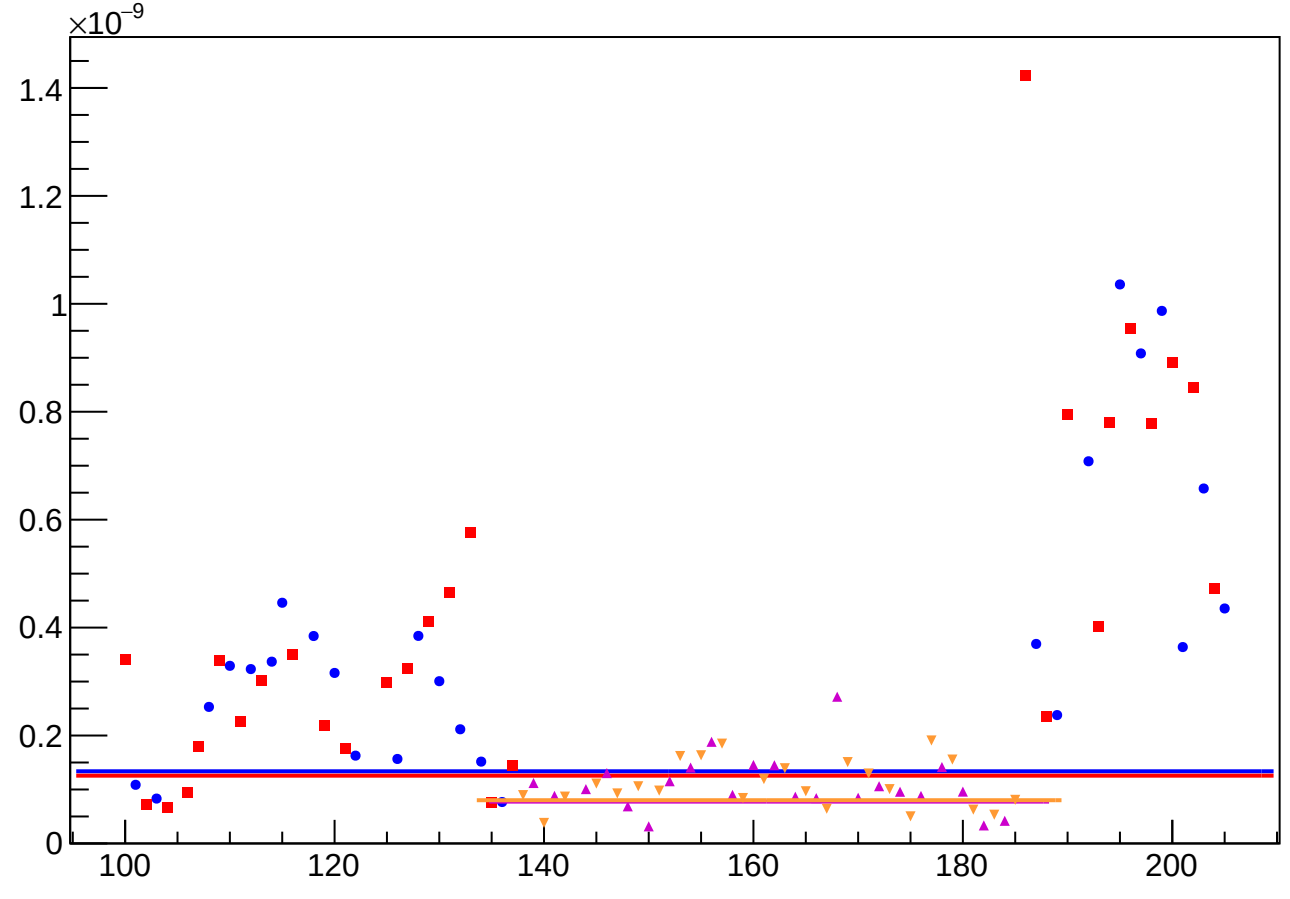
200
Right In: -0.000+/-0.000 χ²/NDF: 16.5/24
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 24.7/27
Left In: -0.000+/-0.000 χ²/NDF:24.0/22
Left: -0.000+/-0.000 χ²/NDF: 51.3/46
Right: -0.000+/-0.000 χ²/NDF: 41.9/52
In: -0.000+/-0.000 χ²/NDF:41.3/47
Out: 0.000+/-0.000 χ²/NDF:51.9/51
All: -0.000+/-0.000 χ²/NDF: 93.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 4980369.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6219929.1/27

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

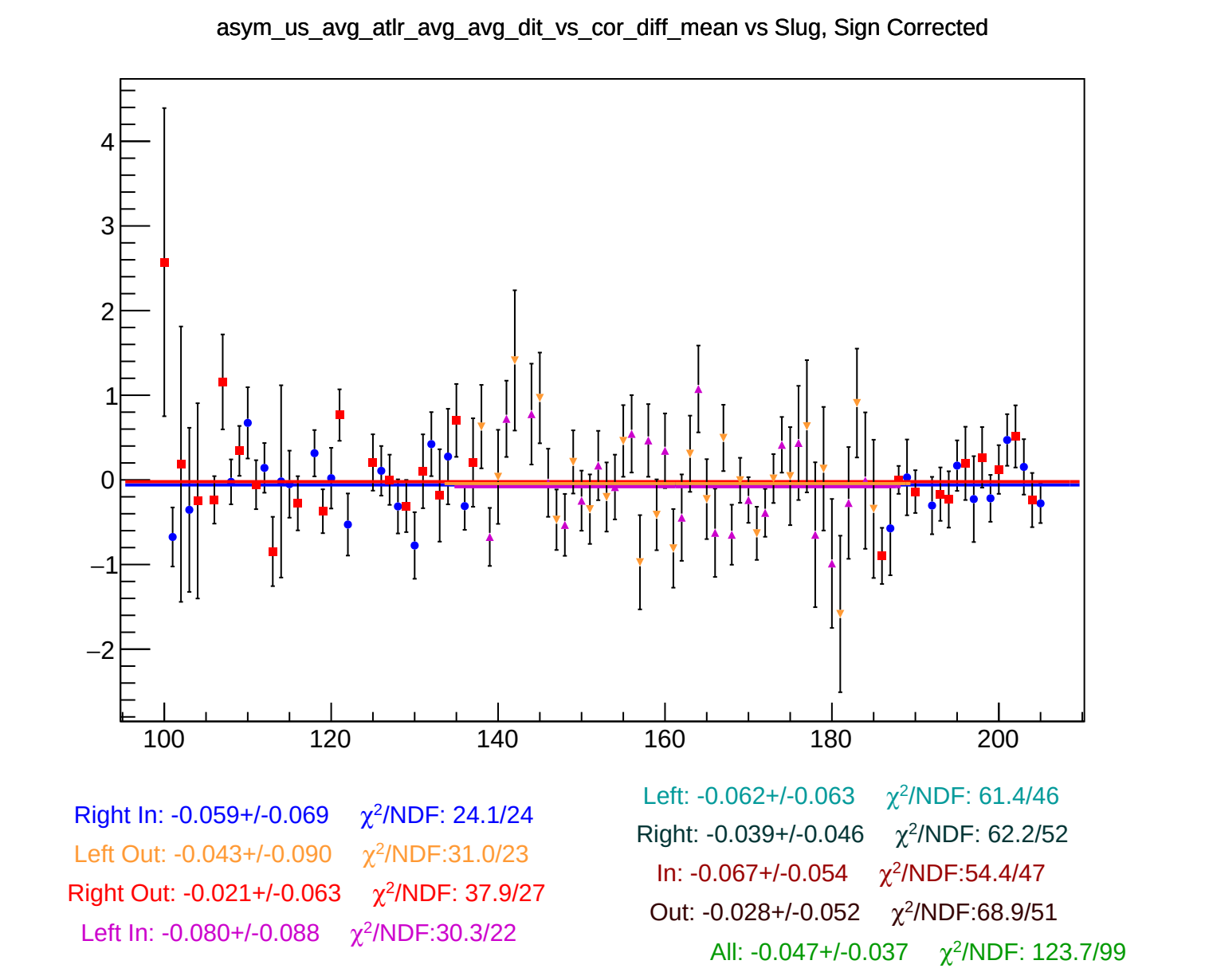
Left: 0.000+/-0.000 χ^2/NDF: 4801129.7/46

Right: 0.000+/-0.000 χ^2/NDF: 11211931.2/52

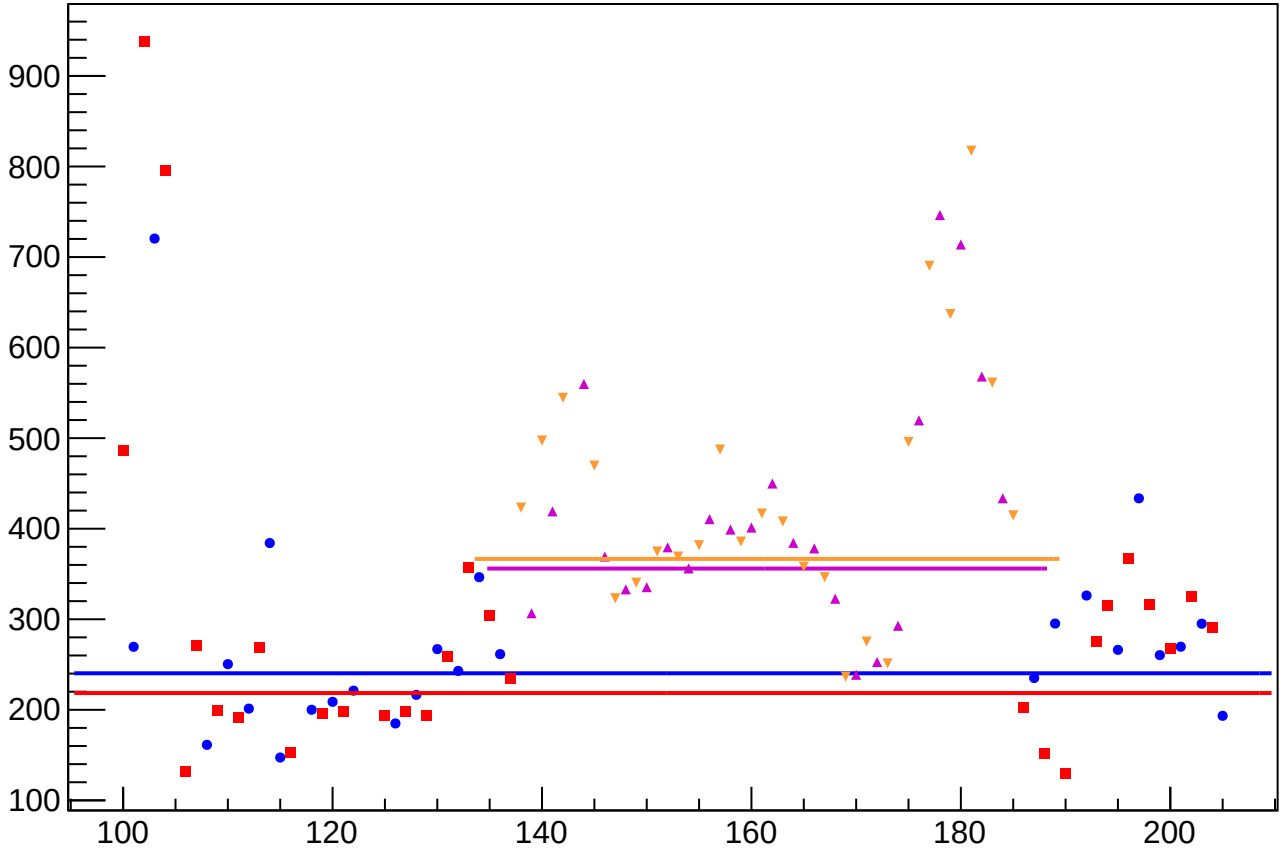
In: 0.000+/-0.000 χ^2/NDF:8538066.0/47

Out: 0.000+/-0.000 χ^2/NDF:8980875.1/51

All: 0.000+/-0.000 χ^2/NDF: 17520204.3/99


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.059+/-0.069 χ²/NDF: 24.1/24
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.021+/-0.063 χ²/NDF: 37.9/27
Left In: -0.080+/-0.088 χ²/NDF:30.3/22
Left: -0.062+/-0.063 χ²/NDF: 61.4/46
Right: -0.039+/-0.046 χ²/NDF: 62.2/52
In: -0.067+/-0.054 χ²/NDF:54.4/47
Out: -0.028+/-0.052 χ²/NDF:68.9/51
All: -0.047+/-0.037 χ²/NDF: 123.7/99

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.338+/-0.049 χ^2/NDF: 1729920.1/24

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 218.512+/-0.044 χ^2/NDF: 3093875.9/27

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

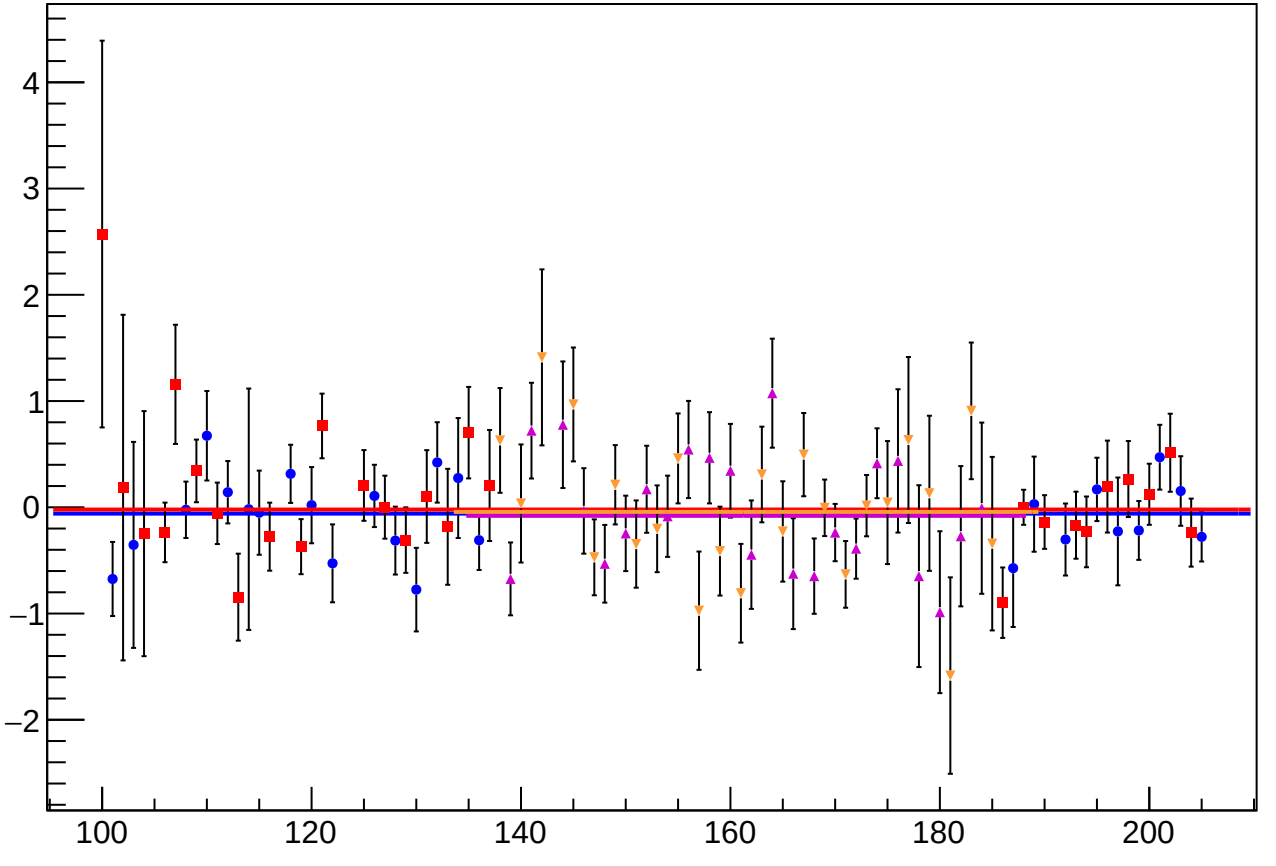
Right: 228.420+/-0.033 χ^2/NDF: 4933570.3/52

In: 284.389+/-0.038 χ^2/NDF:6300698.6/47

Out: 266.665+/-0.036 χ^2/NDF:9556543.1/51

All: 275.092+/-0.026 χ^2/NDF: 15969558.5/99

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

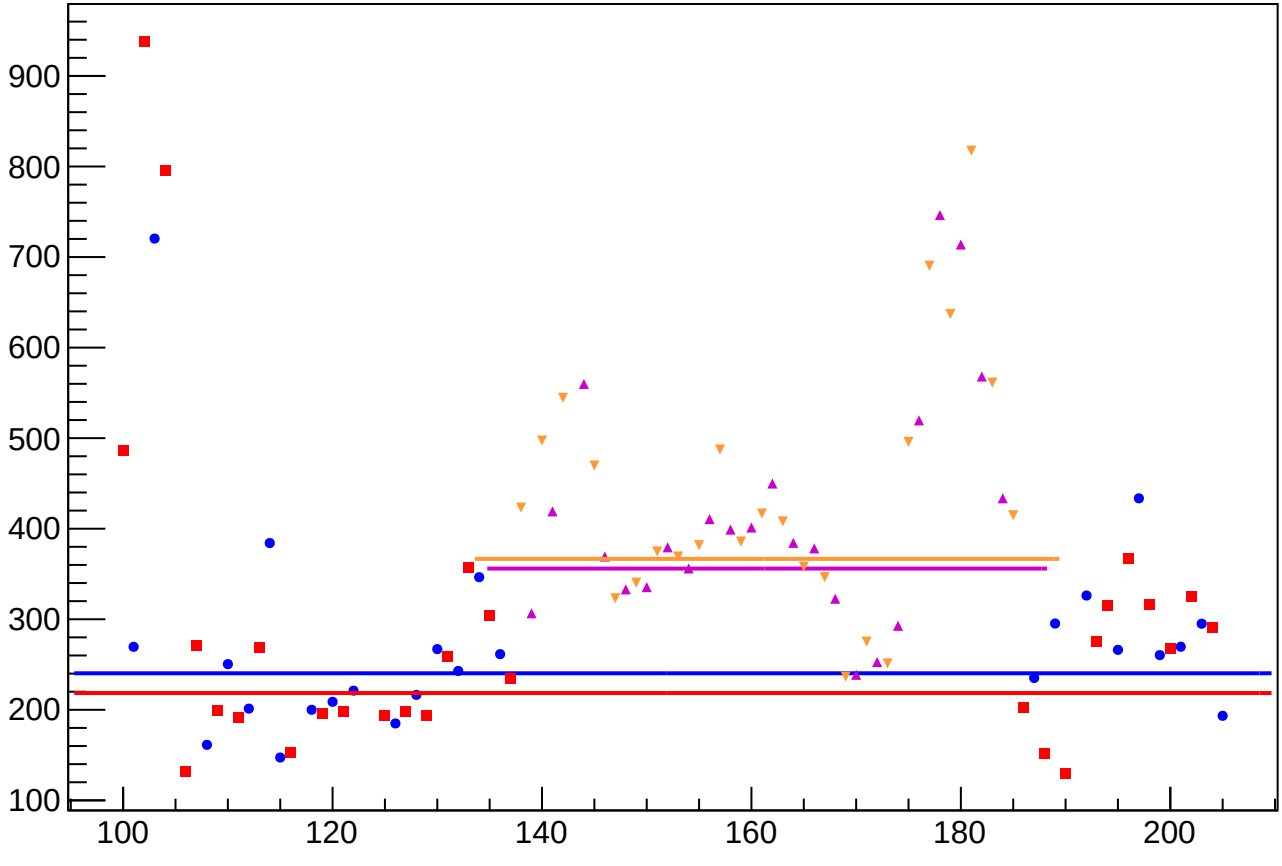
Right: -0.039+/-0.046 χ^2/NDF: 62.2/52

In: -0.067+/-0.054 χ^2/NDF:54.4/47

Out: -0.028+/-0.052 χ^2/NDF:68.9/51

All: -0.047+/-0.037 χ^2/NDF: 123.7/99

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.338+/-0.049 χ^2/NDF: 1729920.1/24

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

Right Out: 218.512+/-0.044 χ^2/NDF: 3093875.9/27

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

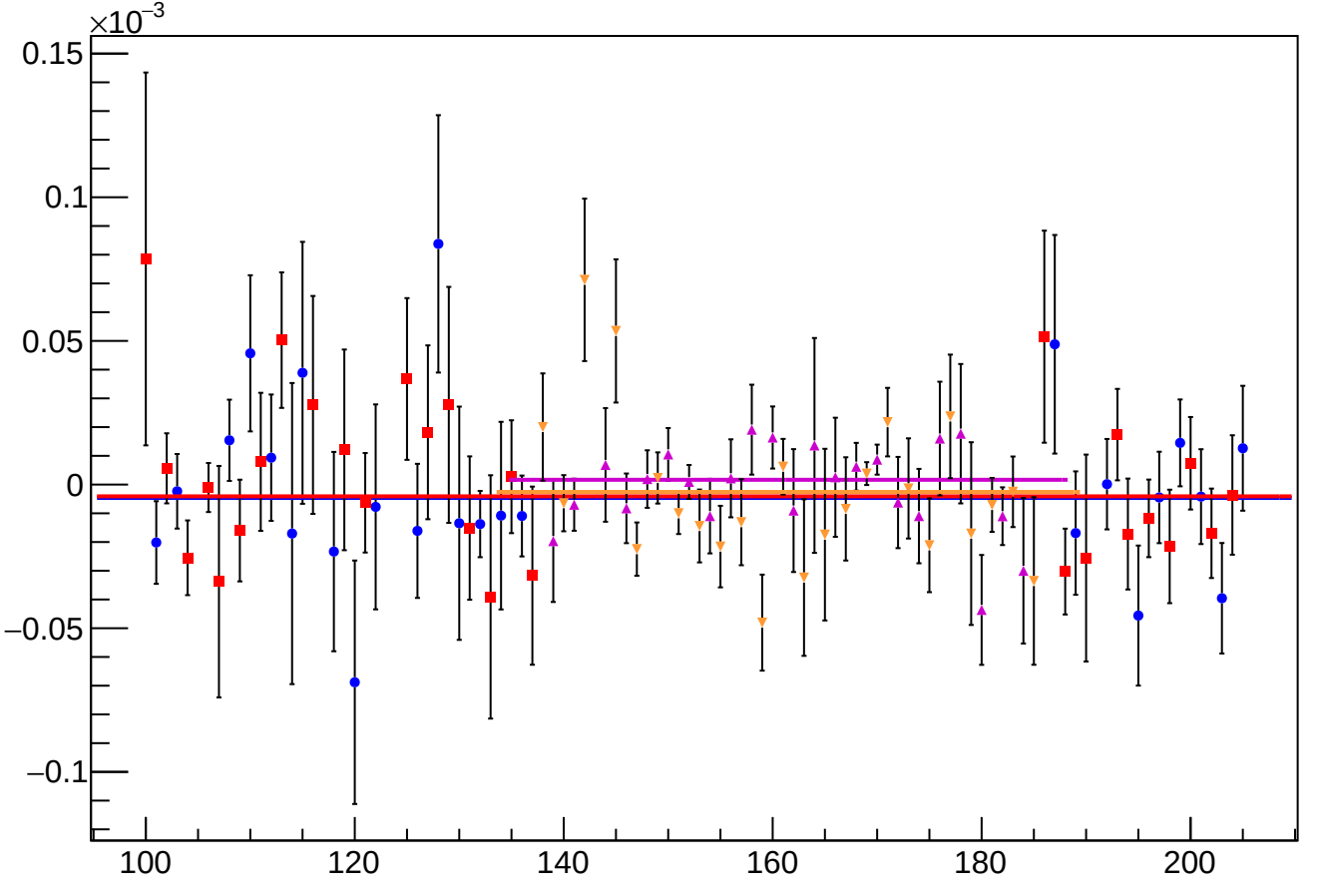
Left: 361.170+/-0.045 χ^2/NDF: 5276130.6/46

Right: 228.420+/-0.033 χ^2/NDF: 4933570.3/52

In: 284.389+/-0.038 χ^2/NDF:6300698.6/47

Out: 266.665+/-0.036 χ^2/NDF:9556543.1/51

All: 275.092+/-0.026 χ^2/NDF: 15969558.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/27

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 65.9/46

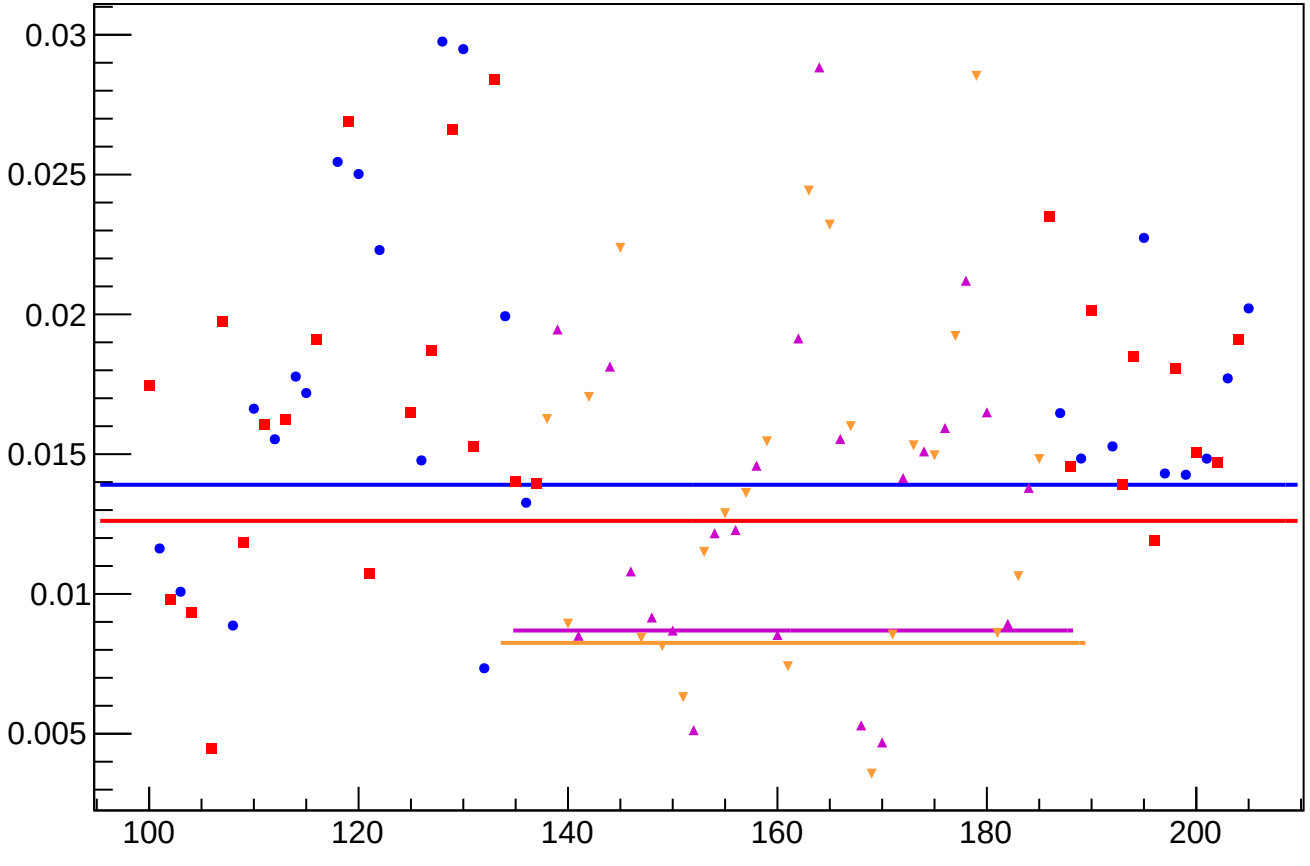
Right: -0.000+/-0.000 χ^2/NDF: 54.3/52

In: 0.000+/-0.000 χ^2/NDF:49.0/47

Out: -0.000+/-0.000 χ^2/NDF:71.5/51

All: -0.000+/-0.000 χ^2/NDF: 121.7/99

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 2814949.4/24

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

Right Out: 0.013+/-0.000 χ^2/NDF: 4231214.1/27

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

Left: 0.008+/-0.000 χ^2/NDF: 15791427.0/46

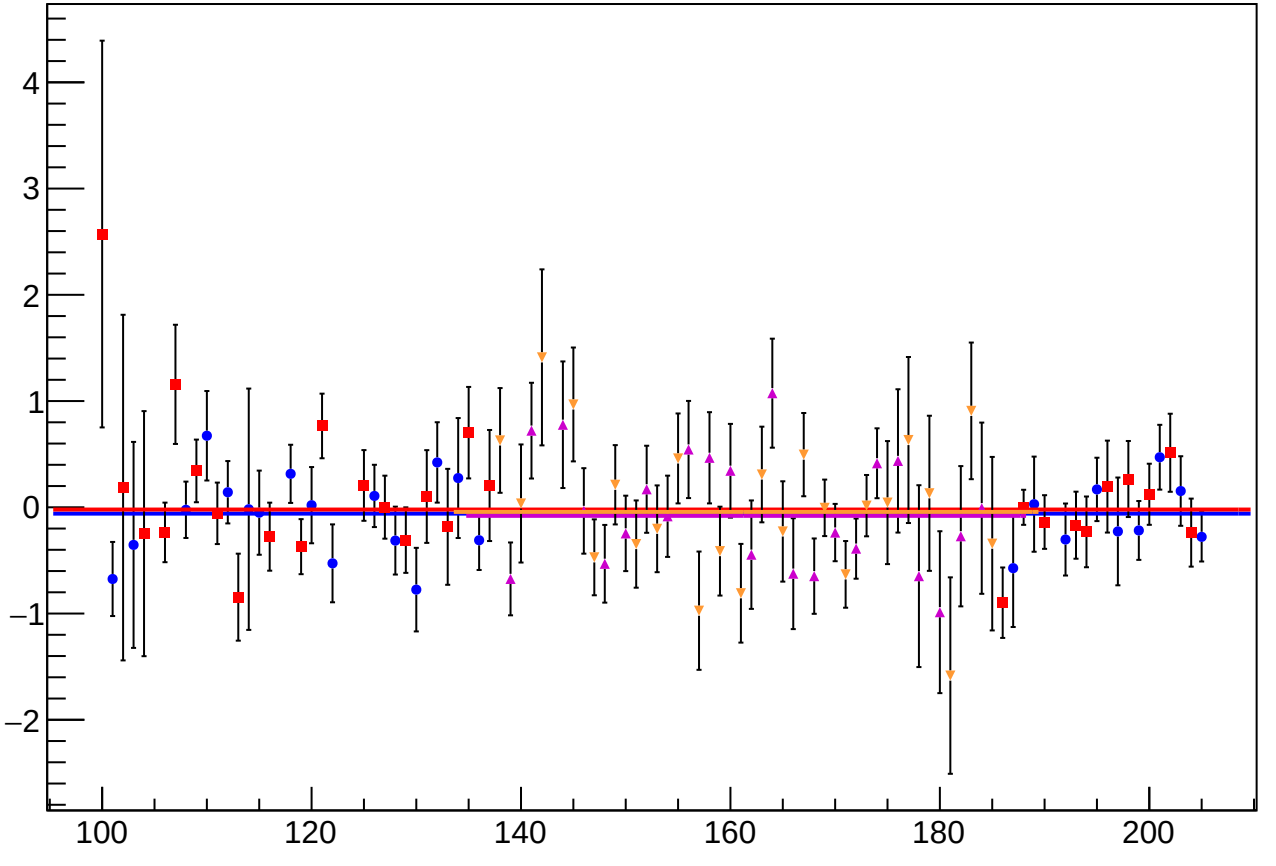
Right: 0.013+/-0.000 χ^2/NDF: 7163721.1/52

In: 0.010+/-0.000 χ^2/NDF:12260866.8/47

Out: 0.010+/-0.000 χ^2/NDF:15242910.3/51

All: 0.010+/-0.000 χ^2/NDF: 27582640.1/99

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

Right Out: -0.021+/-0.063 χ^2/NDF: 37.9/27

Left In: -0.080+/-0.088 χ^2/NDF:30.3/22

Left: -0.062+/-0.063 χ^2/NDF: 61.4/46

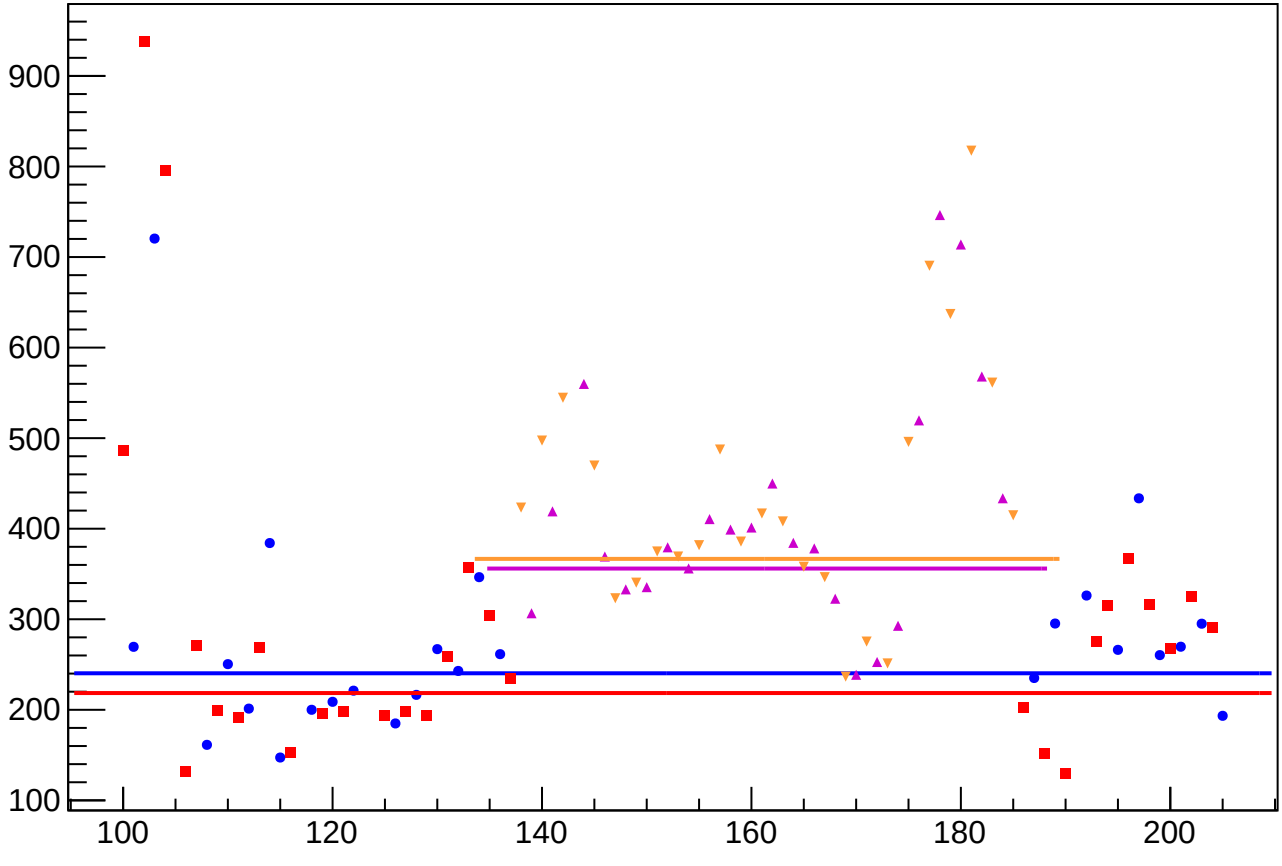
Right: -0.039+/-0.046 χ^2/NDF: 62.2/52

In: -0.067+/-0.054 χ^2/NDF:54.4/47

Out: -0.028+/-0.052 χ^2/NDF:68.9/51

All: -0.047+/-0.037 χ^2/NDF: 123.7/99

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.336+/-0.049 χ^2/NDF: 1729941.3/24

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 218.509+/-0.044 χ^2/NDF: 3093956.4/27

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

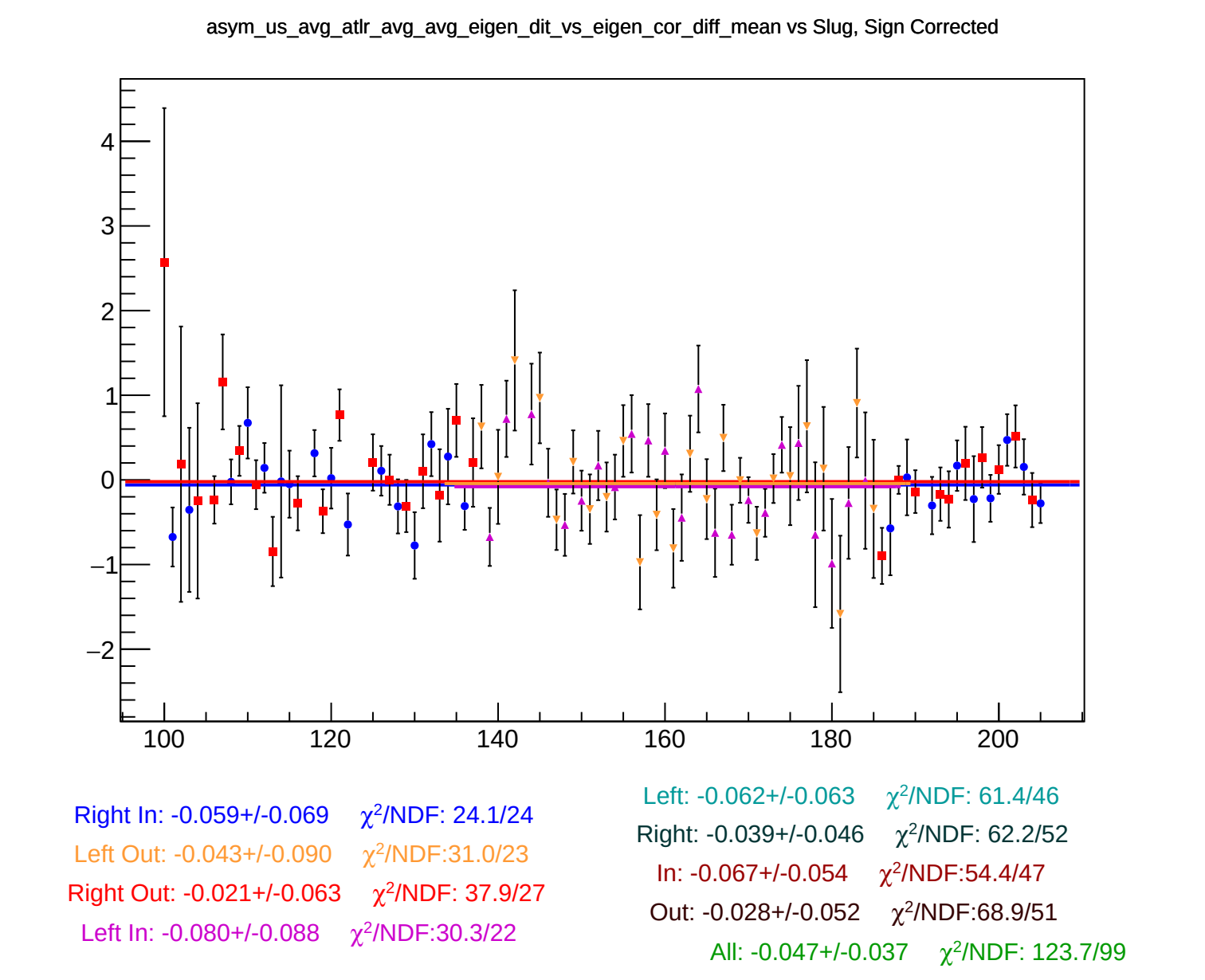
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

Right: 228.418+/-0.033 χ^2/NDF: 4933688.8/52

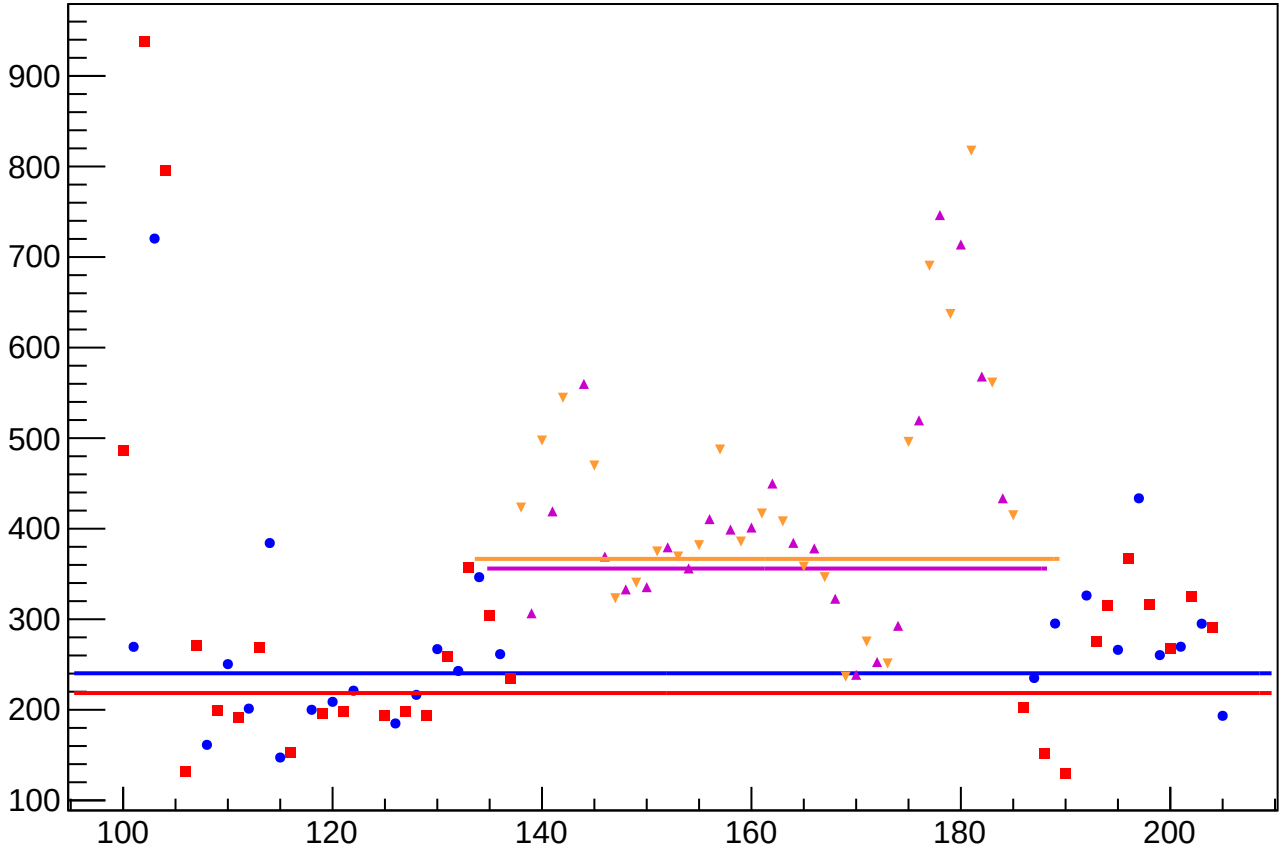
In: 284.388+/-0.038 χ^2/NDF:6300981.9/47

Out: 266.663+/-0.036 χ^2/NDF:9557007.1/51

All: 275.090+/-0.026 χ^2/NDF: 15970329.4/99


asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.059+/-0.069 χ²/NDF: 24.1/24
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: -0.021+/-0.063 χ²/NDF: 37.9/27
Left In: -0.080+/-0.088 χ²/NDF:30.3/22
Left: -0.062+/-0.063 χ²/NDF: 61.4/46
Right: -0.039+/-0.046 χ²/NDF: 62.2/52
In: -0.067+/-0.054 χ²/NDF:54.4/47
Out: -0.028+/-0.052 χ²/NDF:68.9/51
All: -0.047+/-0.037 χ²/NDF: 123.7/99

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 240.336+/-0.049 χ^2/NDF: 1729941.3/24

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

Right Out: 218.509+/-0.044 χ^2/NDF: 3093956.4/27

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

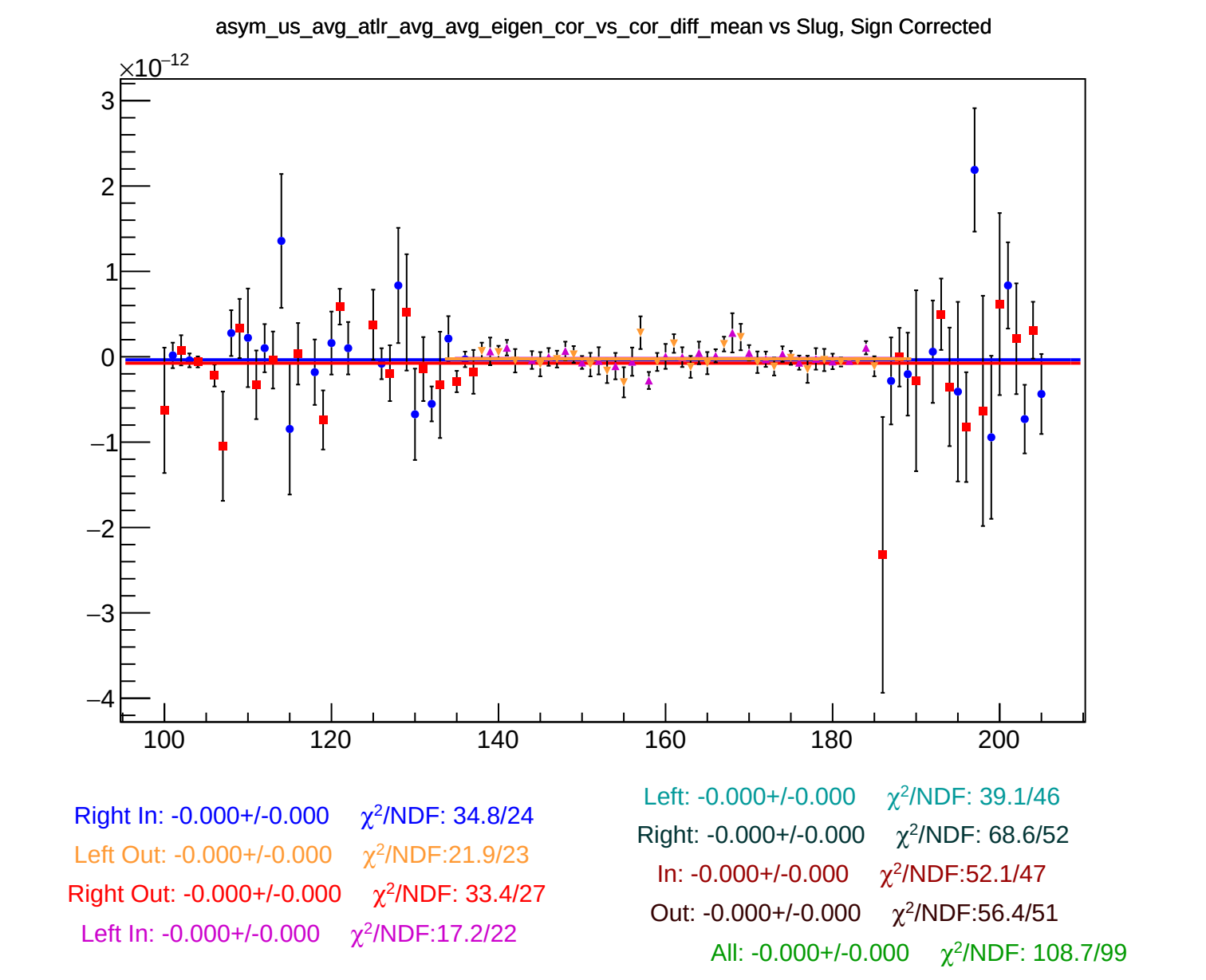
Left: 361.171+/-0.045 χ^2/NDF: 5276510.3/46

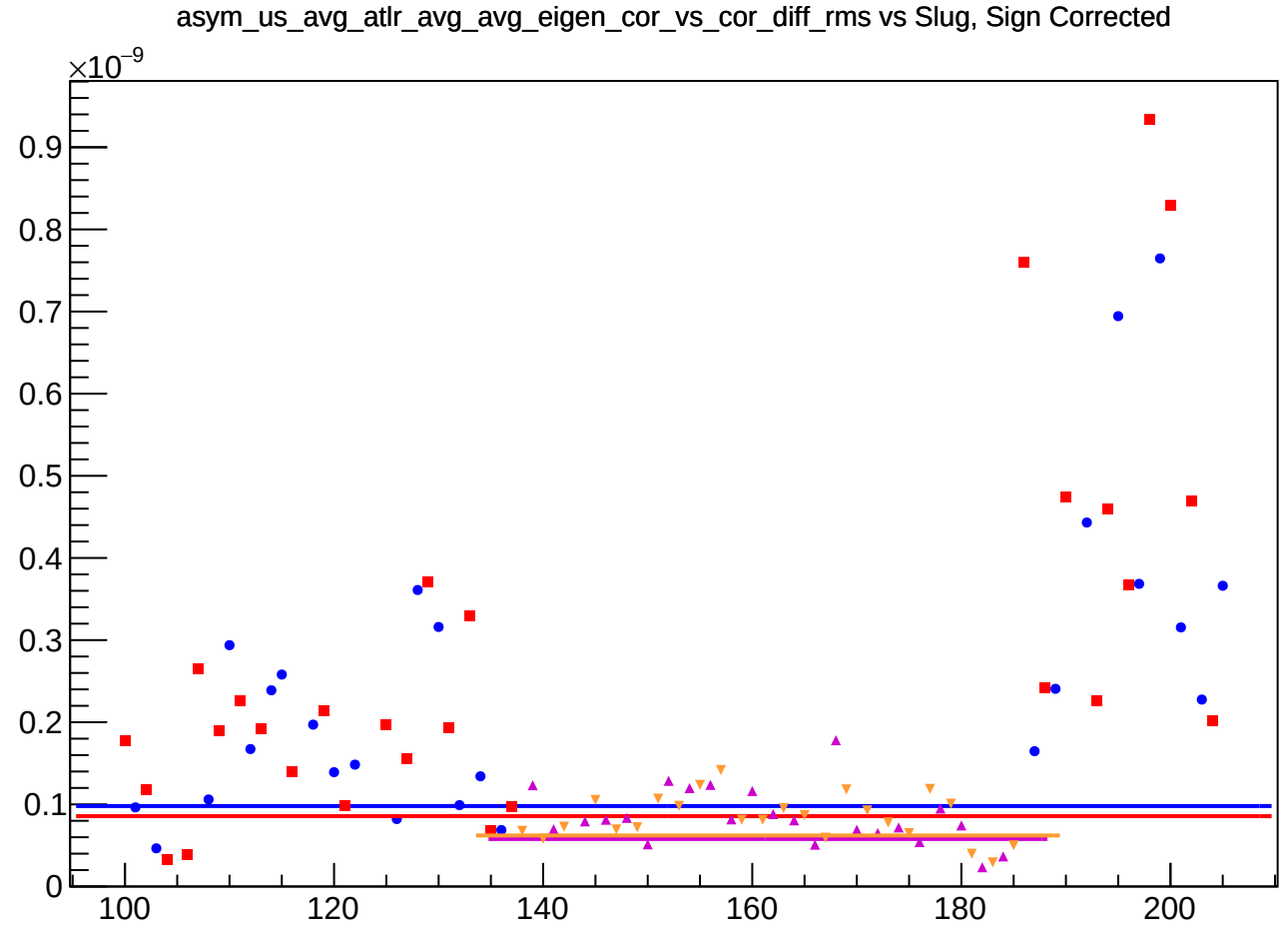
Right: 228.418+/-0.033 χ^2/NDF: 4933688.8/52

In: 284.388+/-0.038 χ^2/NDF:6300981.9/47

Out: 266.663+/-0.036 χ^2/NDF:9557007.1/51

All: 275.090+/-0.026 χ^2/NDF: 15970329.4/99


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.8/24
Left Out: -0.000+/-0.000 χ²/NDF:21.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 33.4/27
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: 68.6/52
In: -0.000+/-0.000 χ²/NDF:52.1/47
Out: -0.000+/-0.000 χ²/NDF:56.4/51
All: -0.000+/-0.000 χ²/NDF: 108.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 6421882.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:4100152.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8875250.8/27

Left In: 0.000+/-0.000 χ^2/NDF:5512617.8/22

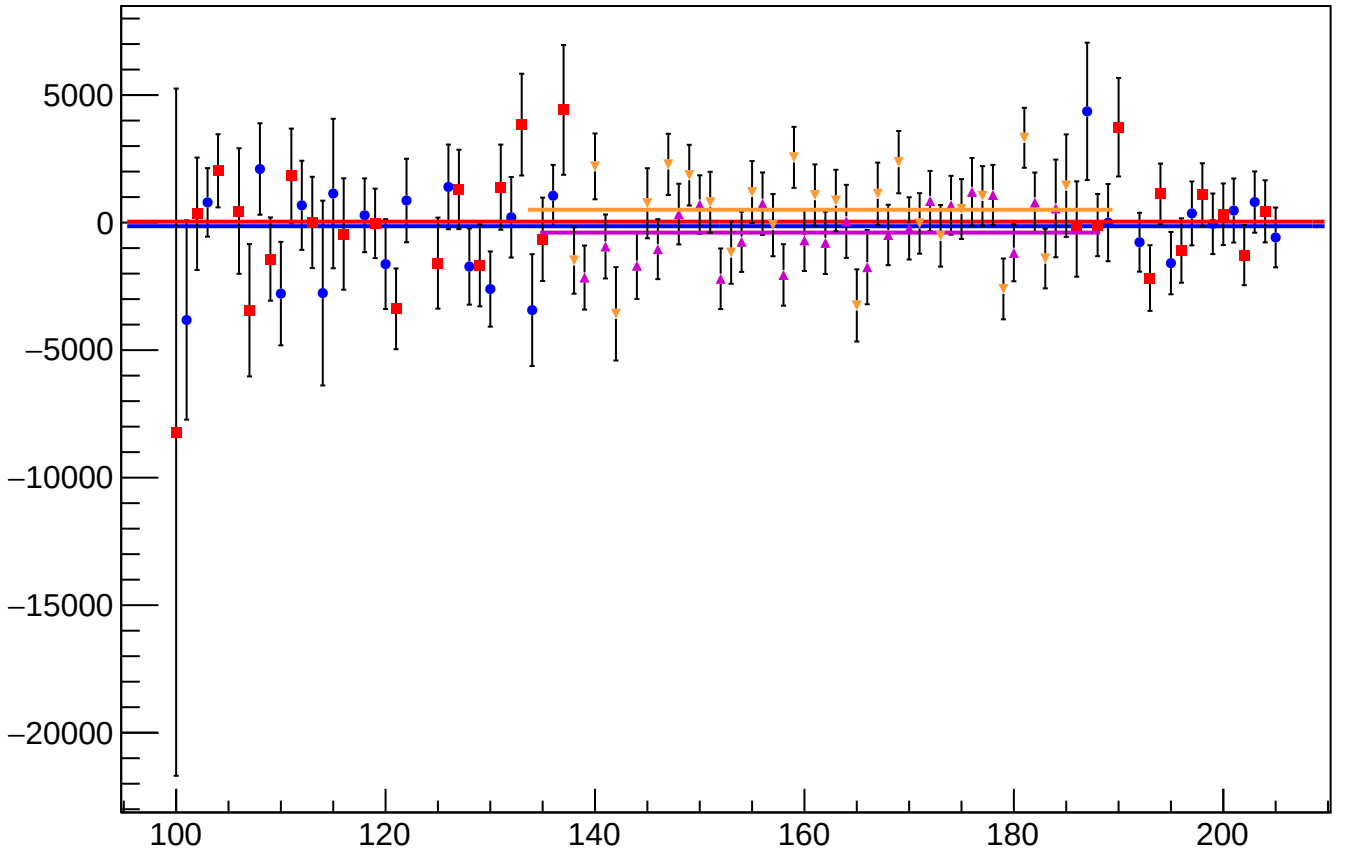
Left: 0.000+/-0.000 χ^2/NDF: 9664055.9/46

Right: 0.000+/-0.000 χ^2/NDF: 15374690.8/52

In: 0.000+/-0.000 χ^2/NDF:13263750.0/47

Out: 0.000+/-0.000 χ^2/NDF:13475018.9/51

All: 0.000+/-0.000 χ^2/NDF: 26760947.9/99



Right In: -142.593+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: 36.330+/-297.488 χ^2/NDF: 31.1/27

Left In: -391.701+/-257.386 χ^2/NDF:17.8/22

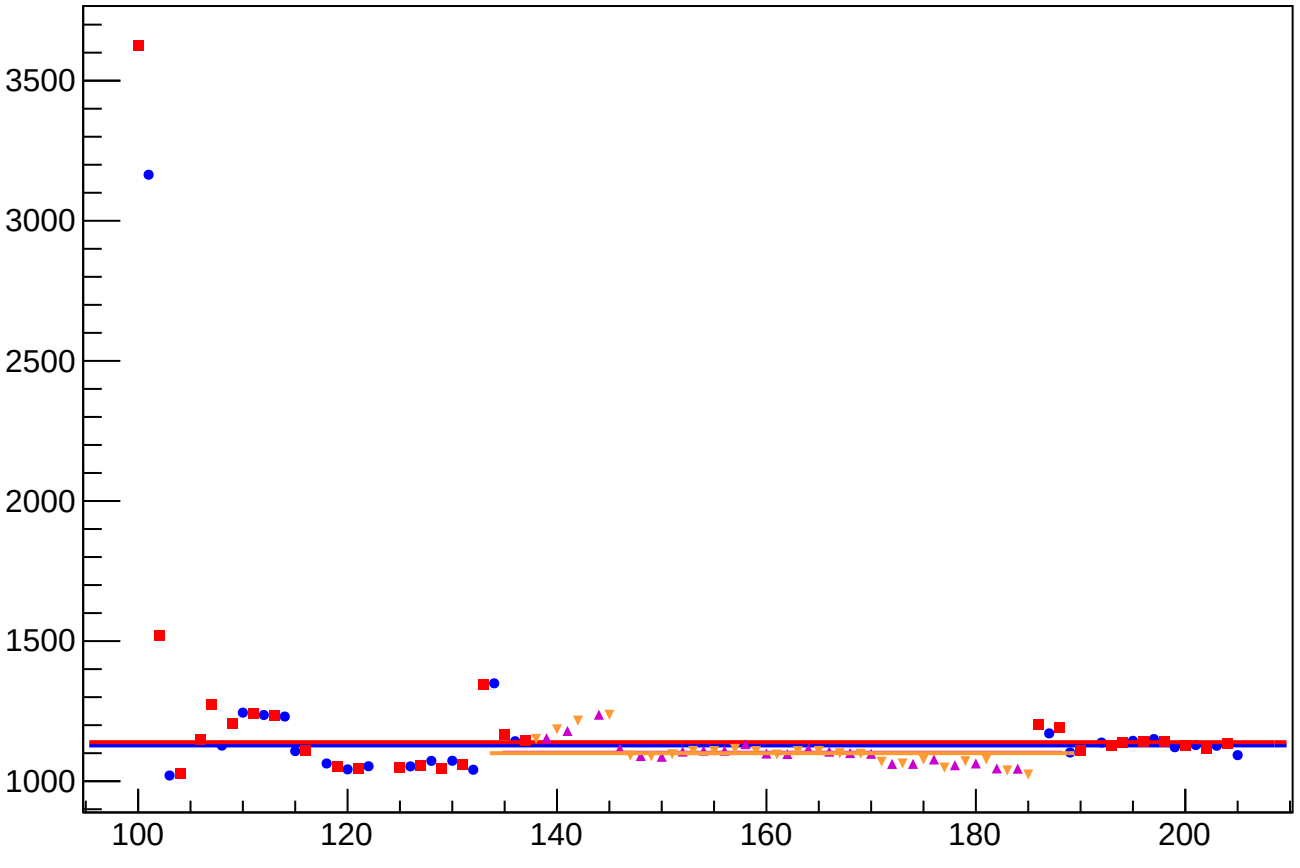
Left: 59.191+/-181.340 χ^2/NDF: 68.5/46

Right: -51.223+/-212.588 χ^2/NDF: 51.8/52

In: -287.651+/-196.409 χ^2/NDF:38.7/47

Out: 305.217+/-193.839 χ^2/NDF:77.1/51

All: 12.688+/-137.965 χ^2/NDF: 120.4/99



Right In: 1127.682+/-0.215 χ^2/NDF: 625438.8/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1139.279+/-0.210 χ^2/NDF: 227862.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

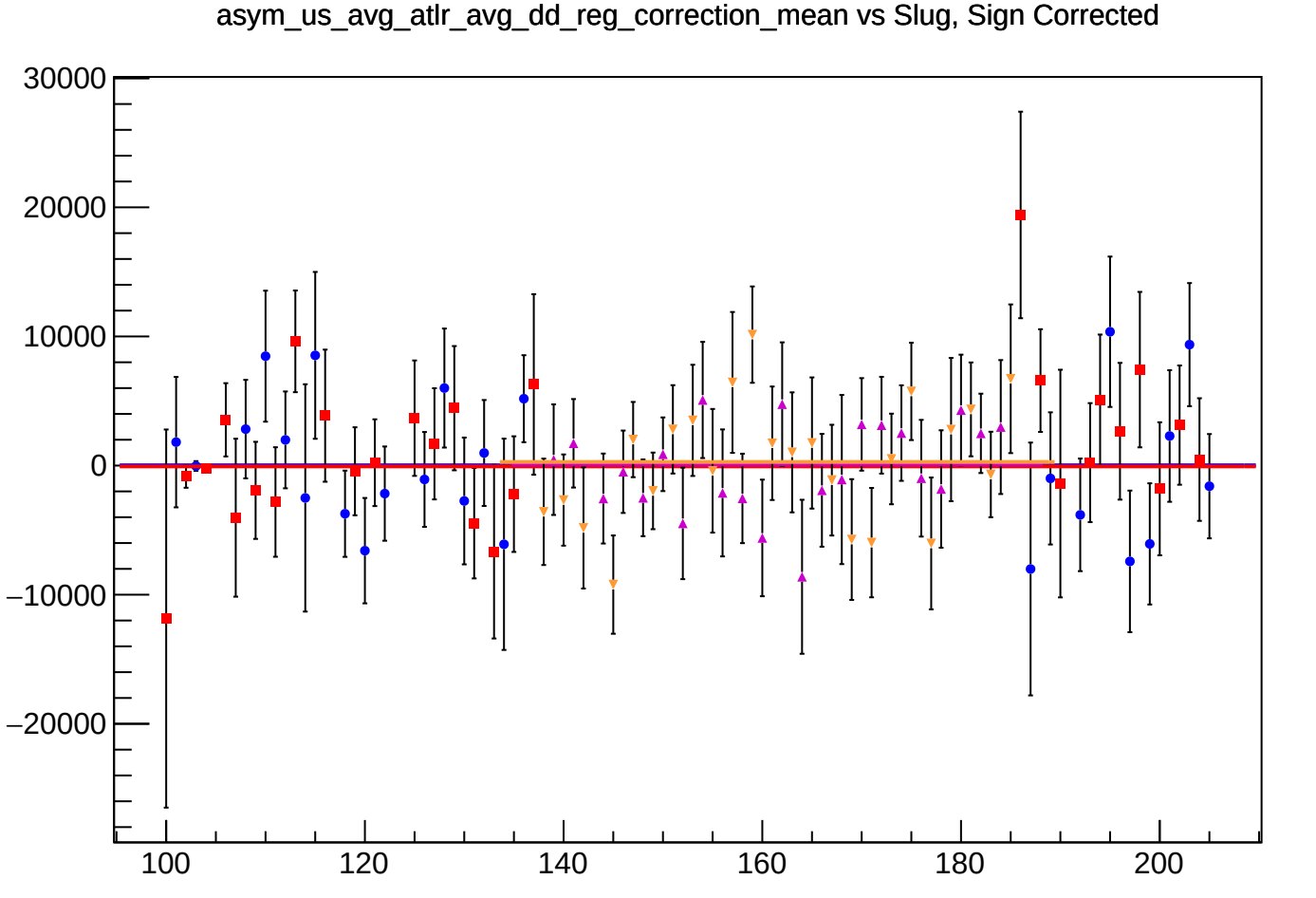
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1133.609+/-0.150 χ^2/NDF: 854789.8/52

In: 1112.453+/-0.139 χ^2/NDF:686209.1/47

Out: 1116.730+/-0.137 χ^2/NDF:306615.4/51

All: 1114.620+/-0.098 χ^2/NDF: 993305.0/99



Right In: 19.928+/-349.836 χ^2/NDF: 27.2/24

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

Right Out: -62.929+/-316.511 χ^2/NDF: 28.0/27

Left In: 94.734+/-817.223 χ^2/NDF:13.7/22

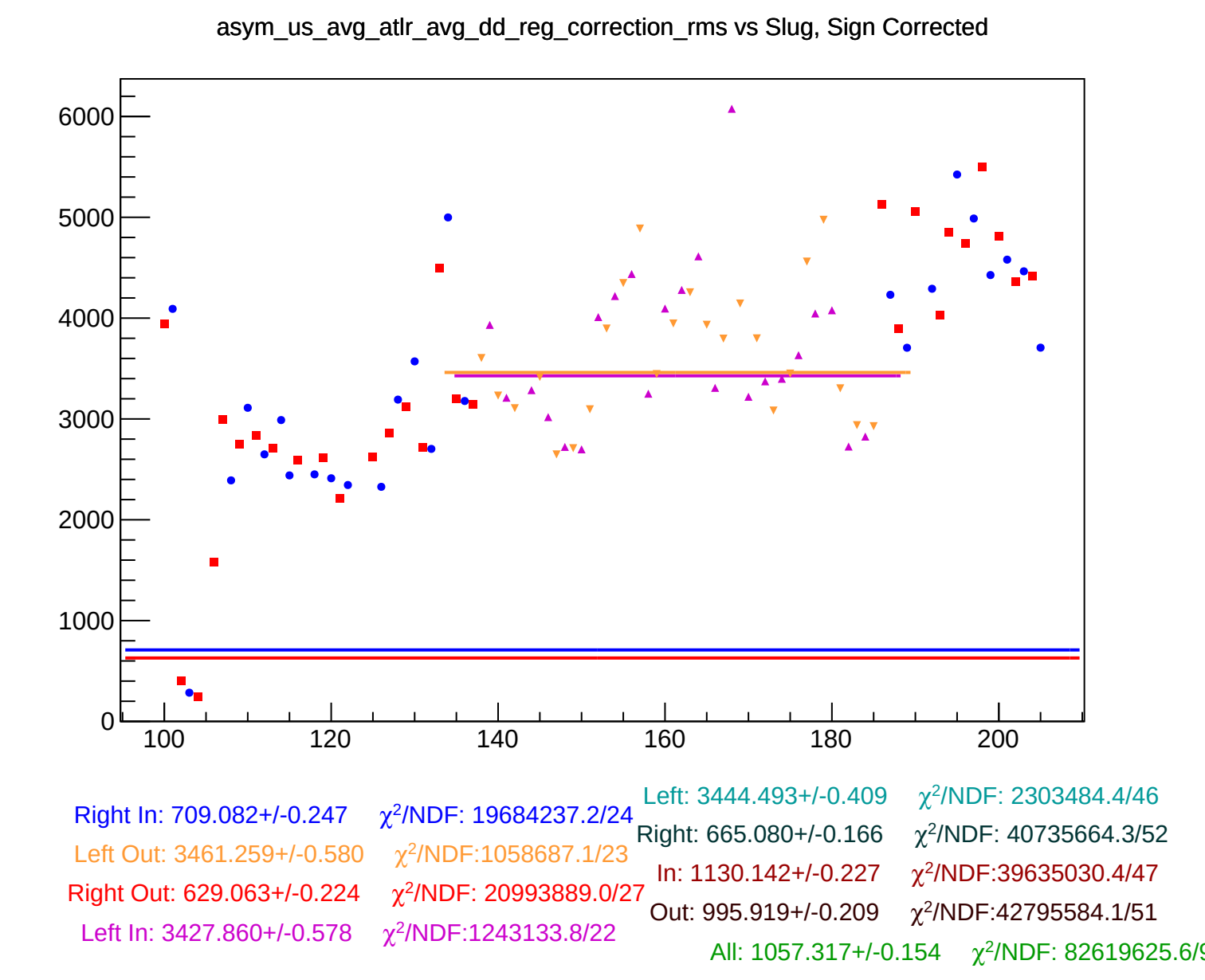
Left: 185.755+/-579.019 χ^2/NDF: 43.6/46

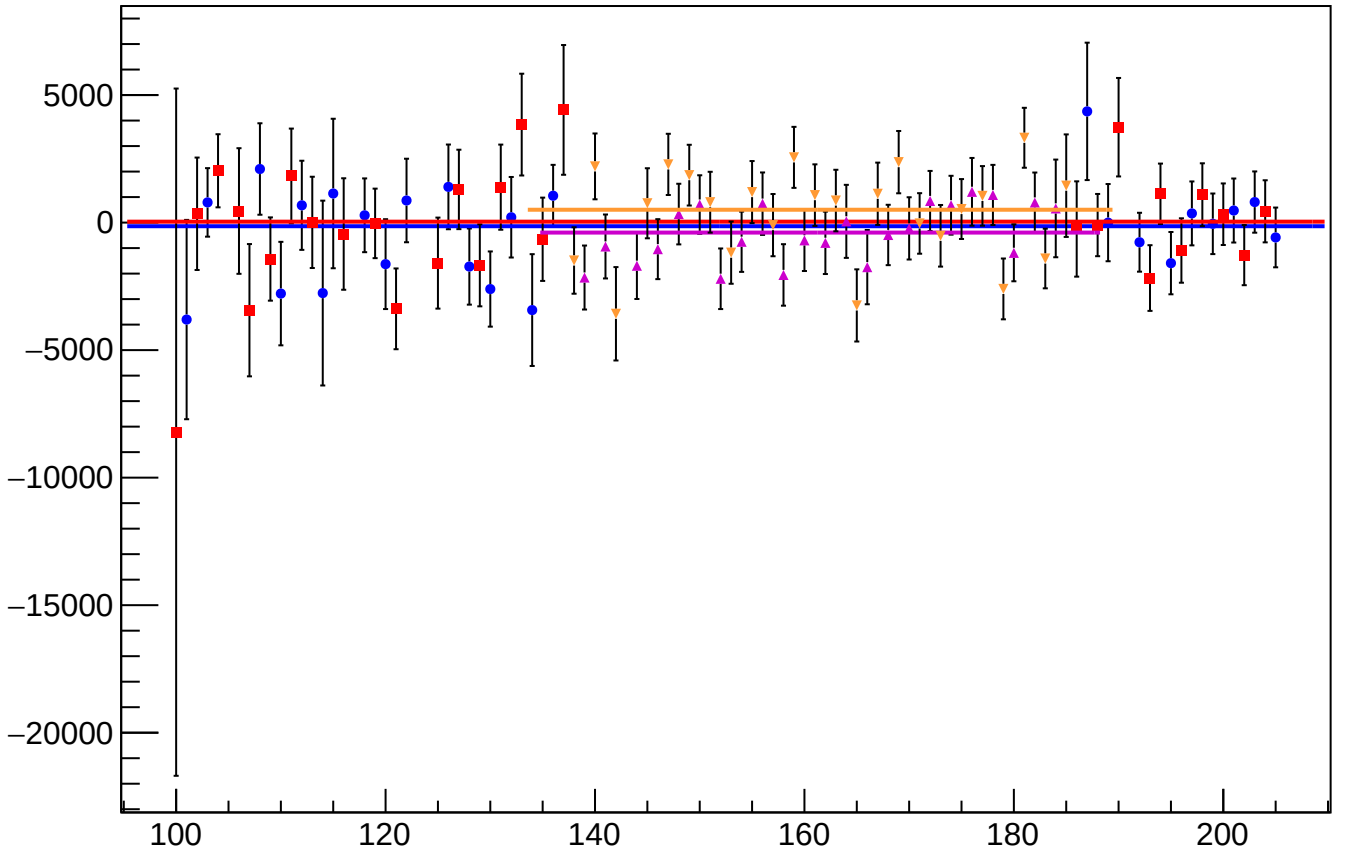
Right: -25.634+/-234.707 χ^2/NDF: 55.3/52

In: 31.513+/-321.607 χ^2/NDF:40.9/47

Out: -18.832+/-295.301 χ^2/NDF:58.0/51

All: 4.198+/-217.516 χ^2/NDF: 98.9/99


asym_us_avg_atlr_avg_dd_reg_correction_rms vs Slug, Sign Corrected
6000
5000
4000
3000
2000
1000
0
100
120
140
160
180
200
Right In: 709.082+/-0.247 χ²/NDF: 19684237.2/24
Left Out: 3461.259+/-0.580 χ²/NDF:1058687.1/23
Right Out: 629.063+/-0.224 χ²/NDF: 20993889.0/27
Left In: 3427.860+/-0.578 χ²/NDF:1243133.8/22
Left: 3444.493+/-0.409 χ²/NDF: 2303484.4/46
Right: 665.080+/-0.166 χ²/NDF: 40735664.3/52
In: 1130.142+/-0.227 χ²/NDF:39635030.4/47
Out: 995.919+/-0.209 χ²/NDF:42795584.1/51
All: 1057.317+/-0.154 χ²/NDF: 82619625.6/9



Right In: -142.537+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 36.383+/-297.488 χ^2/NDF: 31.1/27

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

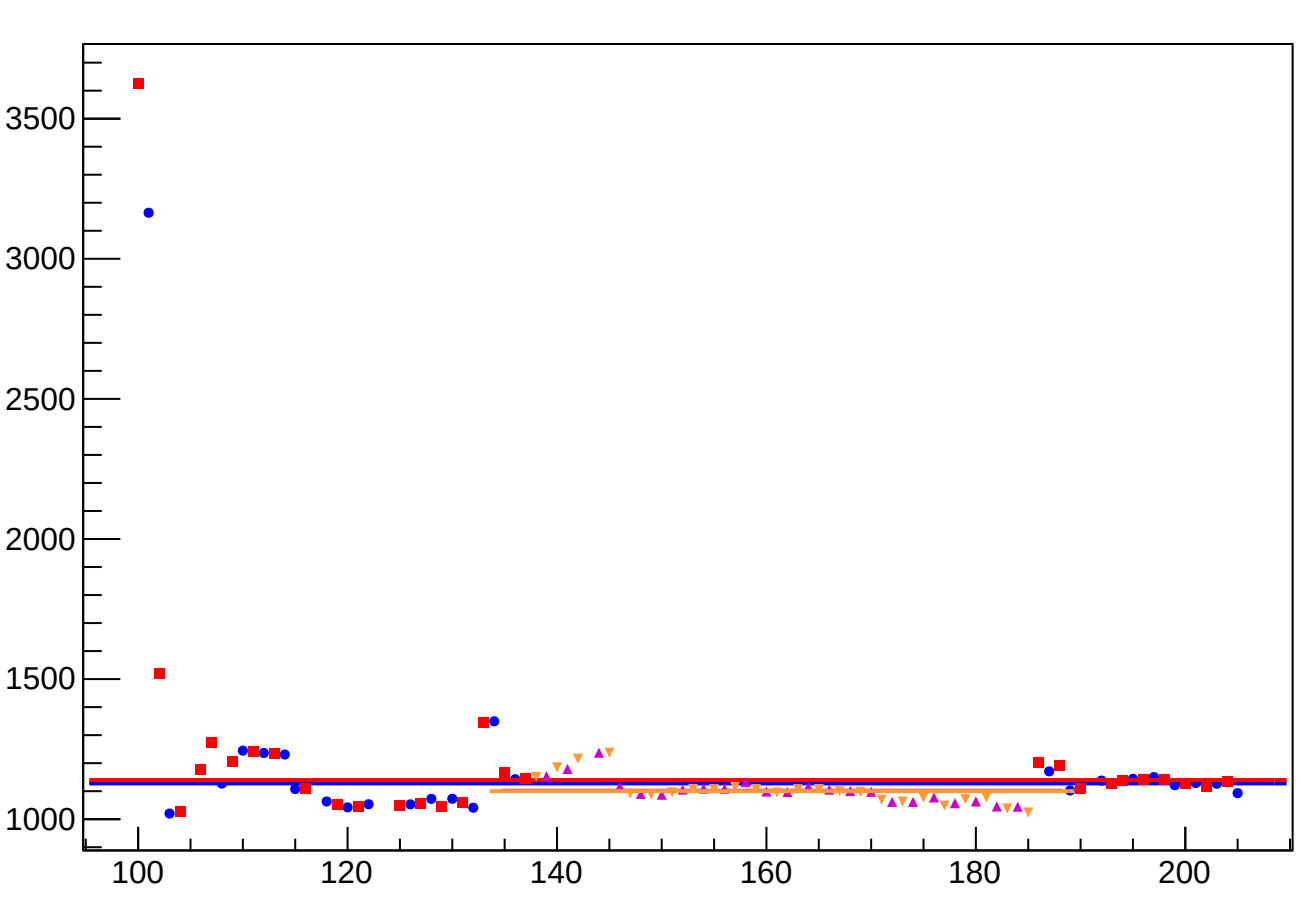
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -51.169+/-212.588 χ^2/NDF: 51.8/52

In: -287.620+/-196.409 χ^2/NDF:38.7/47

Out: 305.282+/-193.839 χ^2/NDF:77.1/51

All: 12.736+/-137.965 χ^2/NDF: 120.4/99



Right In: 1127.682+/-0.215 χ^2/NDF: 625439.9/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1139.739+/-0.210 χ^2/NDF: 228359.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

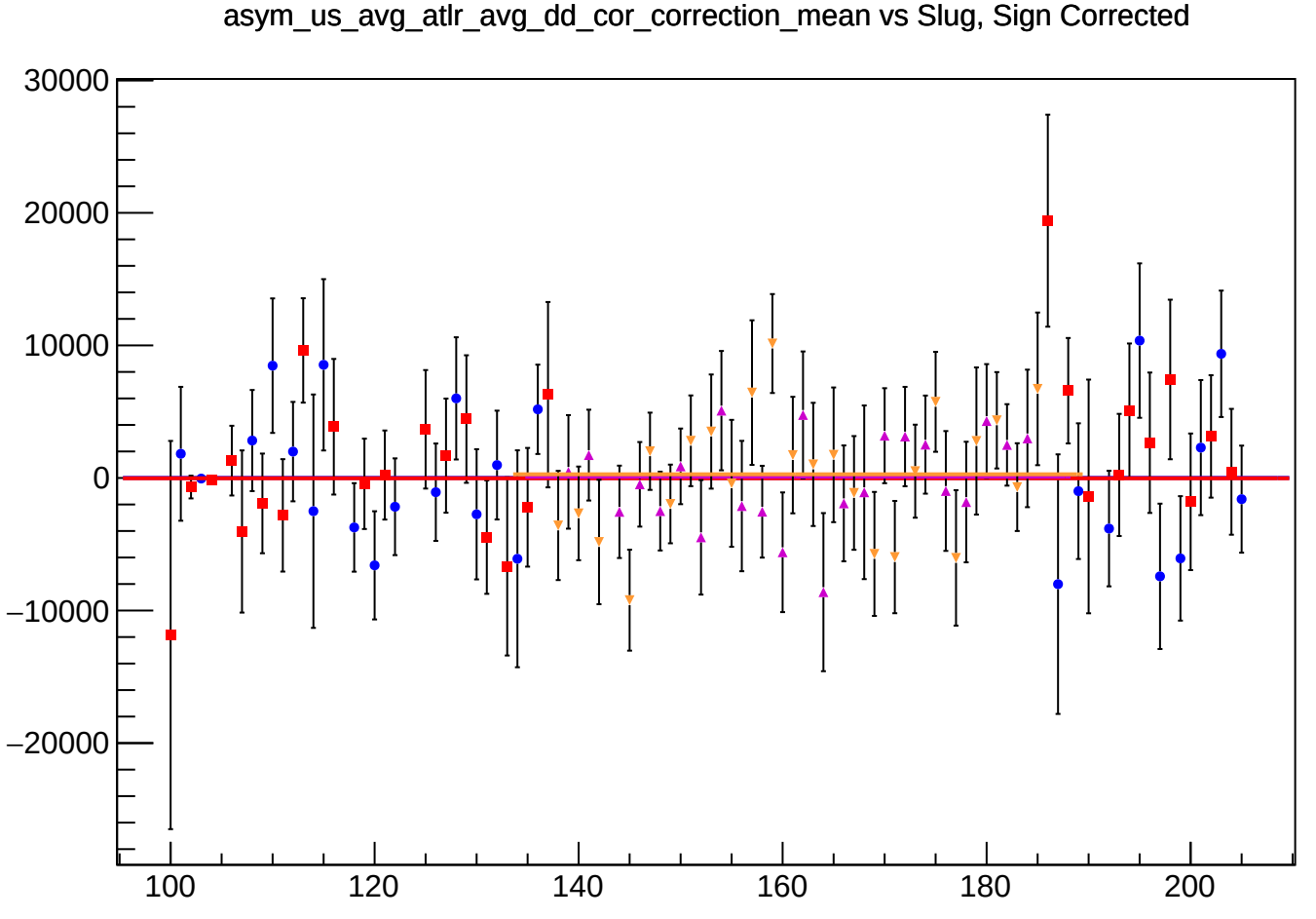
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

Right: 1133.841+/-0.150 χ^2/NDF: 855407.5/52

In: 1112.453+/-0.139 χ^2/NDF:686210.2/47

Out: 1116.913+/-0.137 χ^2/NDF:307570.6/51

All: 1114.713+/-0.098 χ^2/NDF: 994303.4/99



Right In: 5.212+/-337.523 χ^2/NDF: 27.2/24

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

Right Out: -23.410+/-311.614 χ^2/NDF: 26.3/27

Left In: 94.742+/-817.222 χ^2/NDF:13.7/22

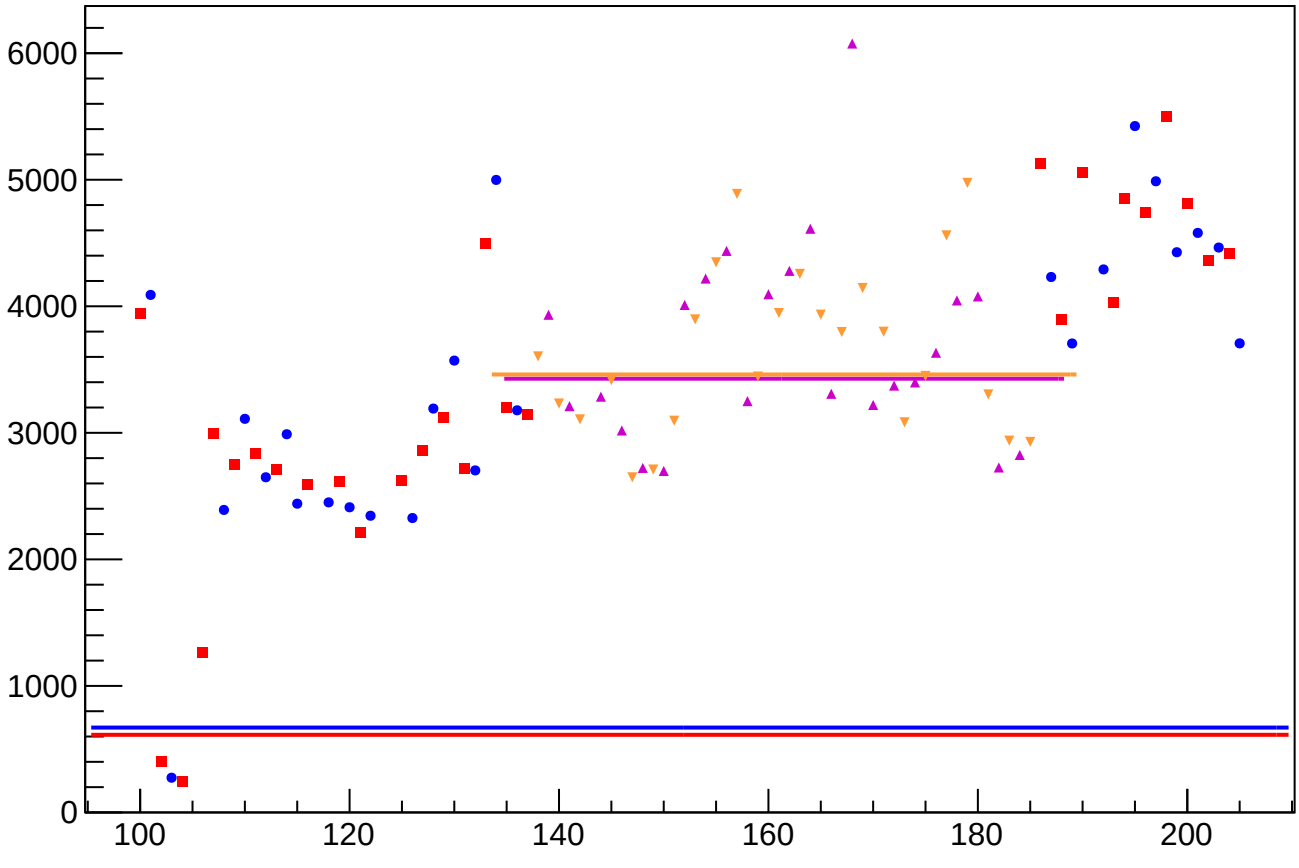
Left: 185.773+/-579.019 χ^2/NDF: 43.6/46

Right: -10.239+/-228.957 χ^2/NDF: 53.5/52

In: 18.258+/-311.963 χ^2/NDF:40.9/47

Out: 14.526+/-291.312 χ^2/NDF:56.3/51

All: 16.265+/-212.915 χ^2/NDF: 97.2/99



Right In: 670.778+/-0.239 χ^2/NDF: 20012046.5/24

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 613.673+/-0.220 χ^2/NDF: 20995522.5/27

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

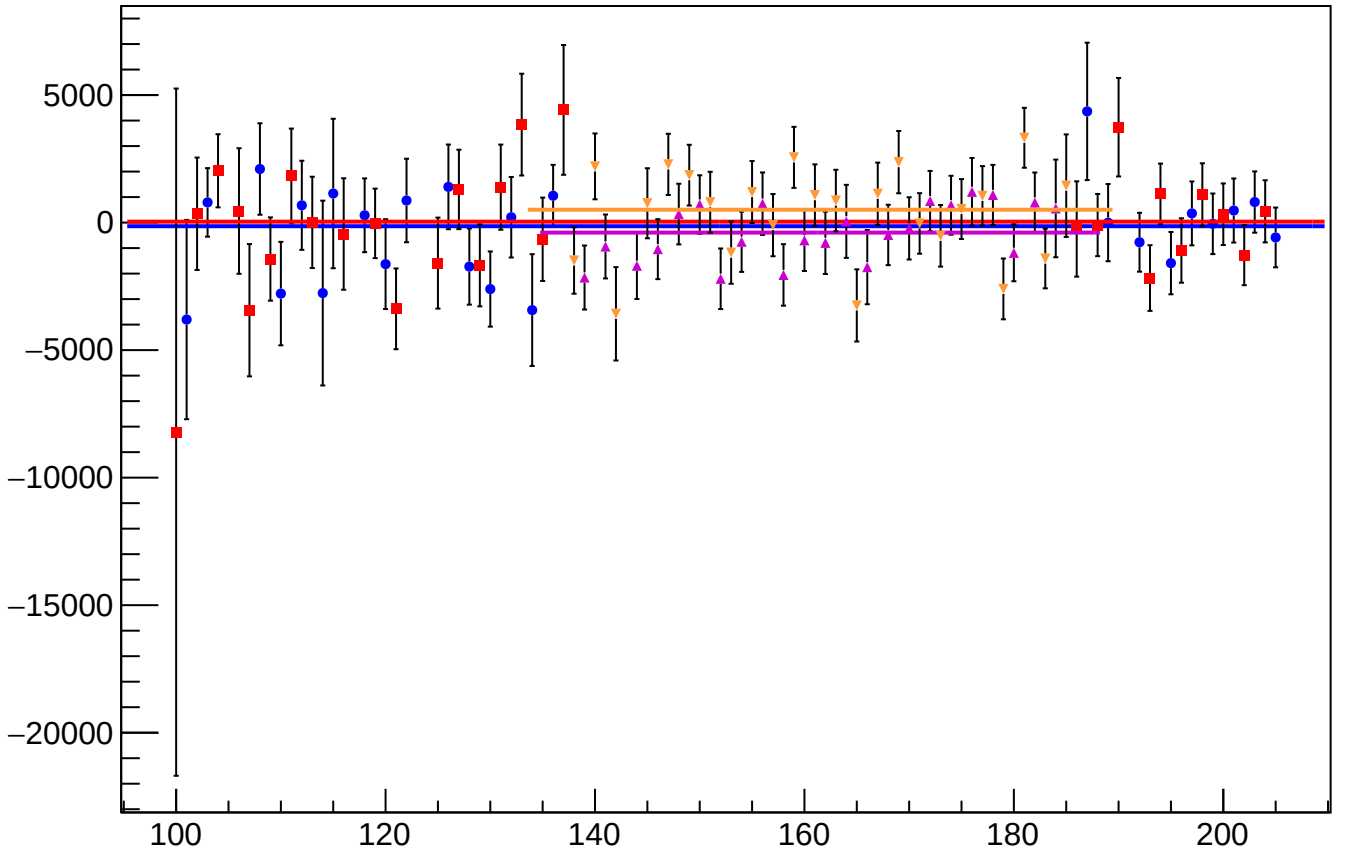
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 639.950+/-0.162 χ^2/NDF: 41038475.5/52

In: 1072.545+/-0.221 χ^2/NDF:40701951.5/47

Out: 972.624+/-0.206 χ^2/NDF:43107012.2/51

All: 1019.168+/-0.151 χ^2/NDF: 83918569.5/9



Right In: -142.537+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: 36.383+/-297.488 χ^2/NDF: 31.1/27

Left In: -391.689+/-257.386 χ^2/NDF:17.8/22

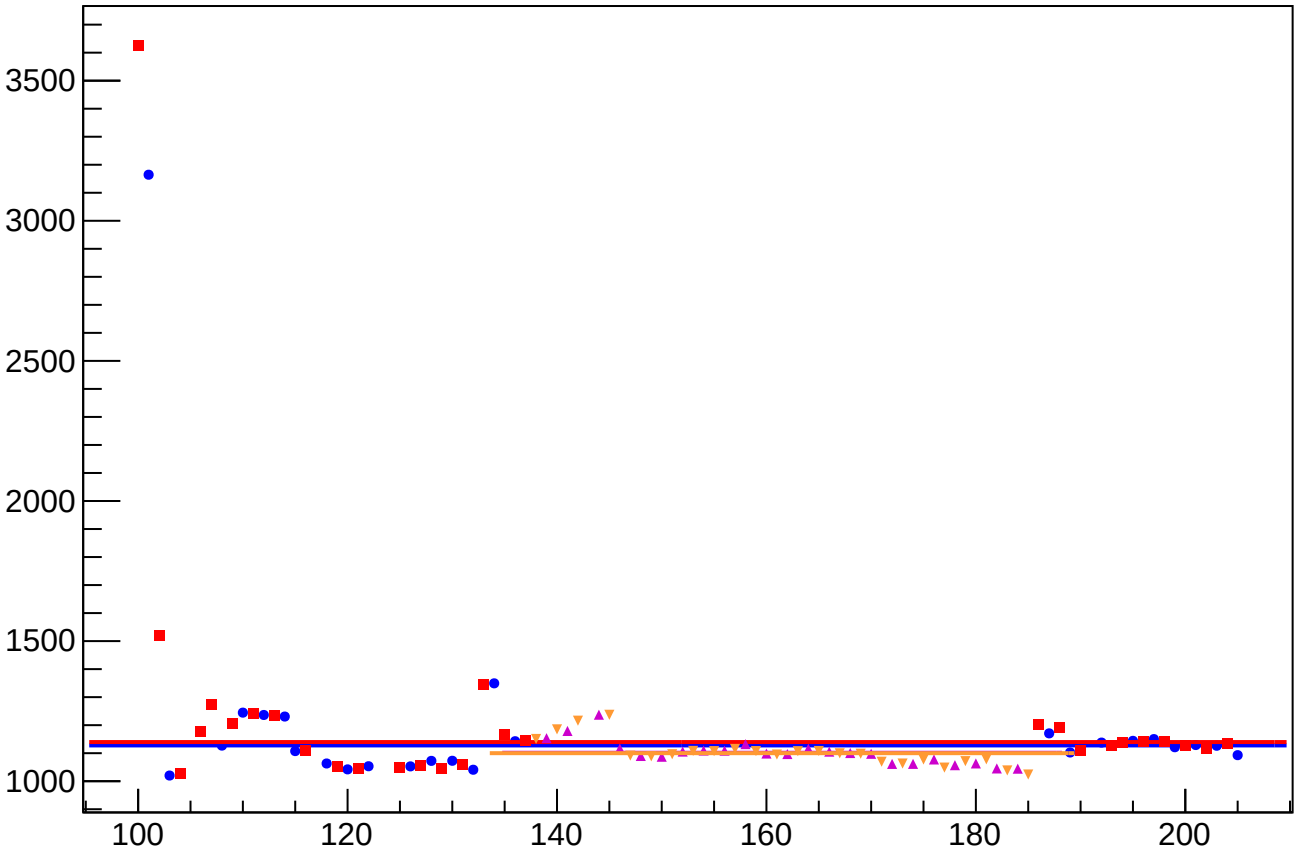
Left: 59.234+/-181.340 χ^2/NDF: 68.5/46

Right: -51.169+/-212.588 χ^2/NDF: 51.8/52

In: -287.620+/-196.409 χ^2/NDF:38.7/47

Out: 305.282+/-193.839 χ^2/NDF:77.1/51

All: 12.736+/-137.965 χ^2/NDF: 120.4/99



Right In: 1127.682+/-0.215 χ^2/NDF: 625439.9/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

Right Out: 1139.739+/-0.210 χ^2/NDF: 228359.4/27

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

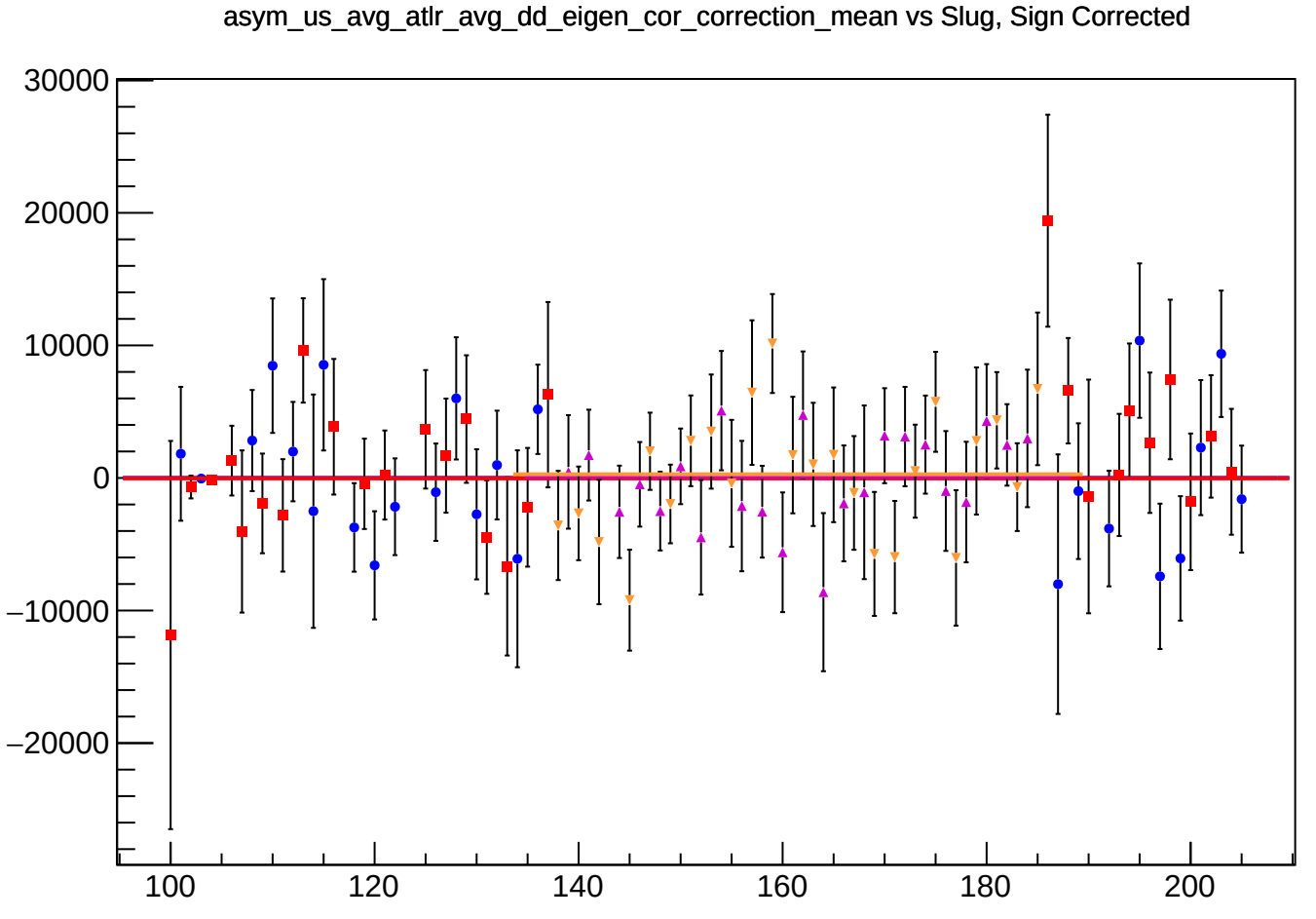
Left: 1100.791+/-0.128 χ^2/NDF: 110912.5/46

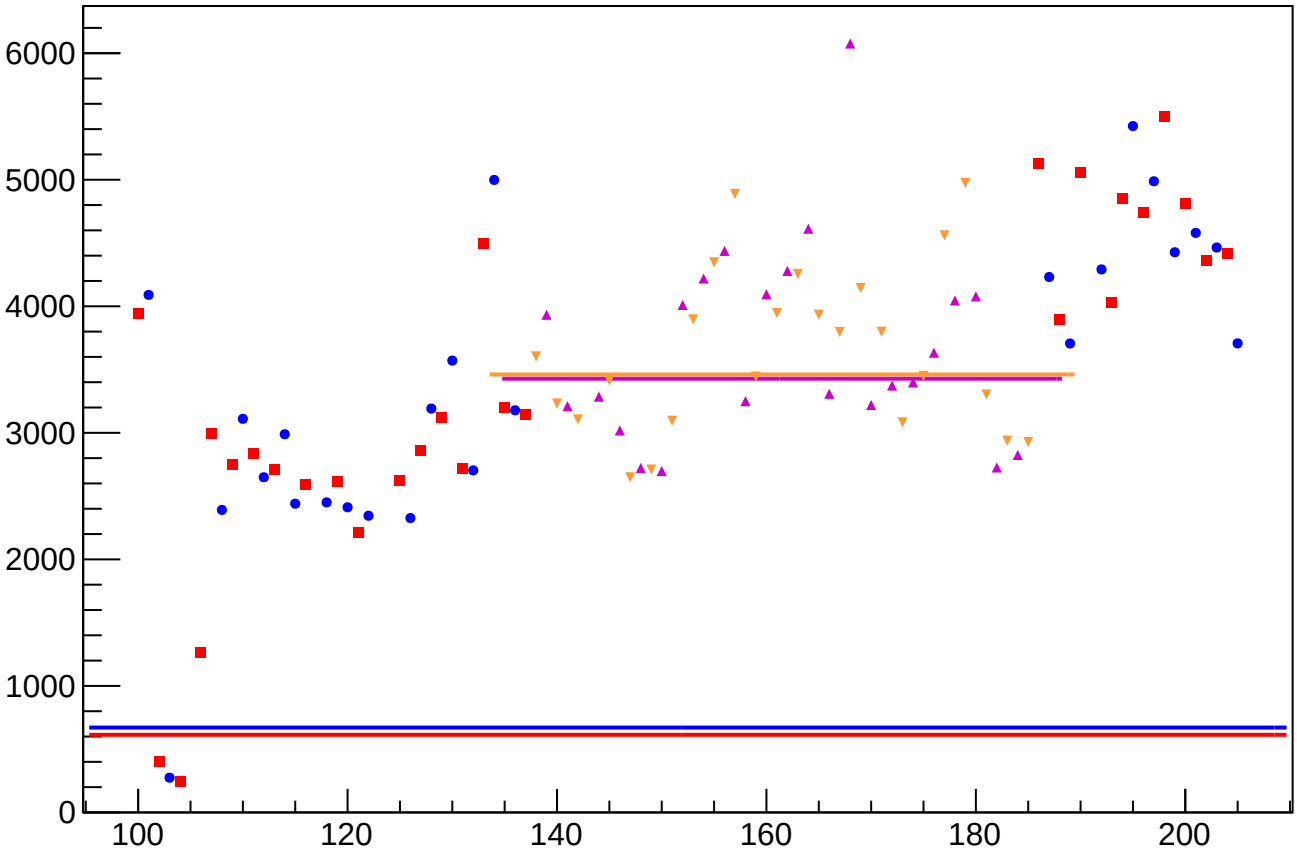
Right: 1133.841+/-0.150 χ^2/NDF: 855407.5/52

In: 1112.453+/-0.139 χ^2/NDF:686210.2/47

Out: 1116.913+/-0.137 χ^2/NDF:307570.6/51

All: 1114.713+/-0.098 χ^2/NDF: 994303.4/99


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: 5.212+/-337.523 χ²/NDF: 27.2/24
Left Out: 277.536+/-820.502 χ²/NDF:29.9/23
Right Out: -23.410+/-311.614 χ²/NDF: 26.3/27
Left In: 94.742+/-817.222 χ²/NDF:13.7/22
Left: 185.773+/-579.019 χ²/NDF: 43.6/46
Right: -10.239+/-228.957 χ²/NDF: 53.5/52
In: 18.258+/-311.963 χ²/NDF:40.9/47
Out: 14.526+/-291.312 χ²/NDF:56.3/51
All: 16.265+/-212.915 χ²/NDF: 97.2/99



Right In: 670.778+/-0.239 χ^2/NDF: 20012046.5/24

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 613.673+/-0.220 χ^2/NDF: 20995522.5/27

Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

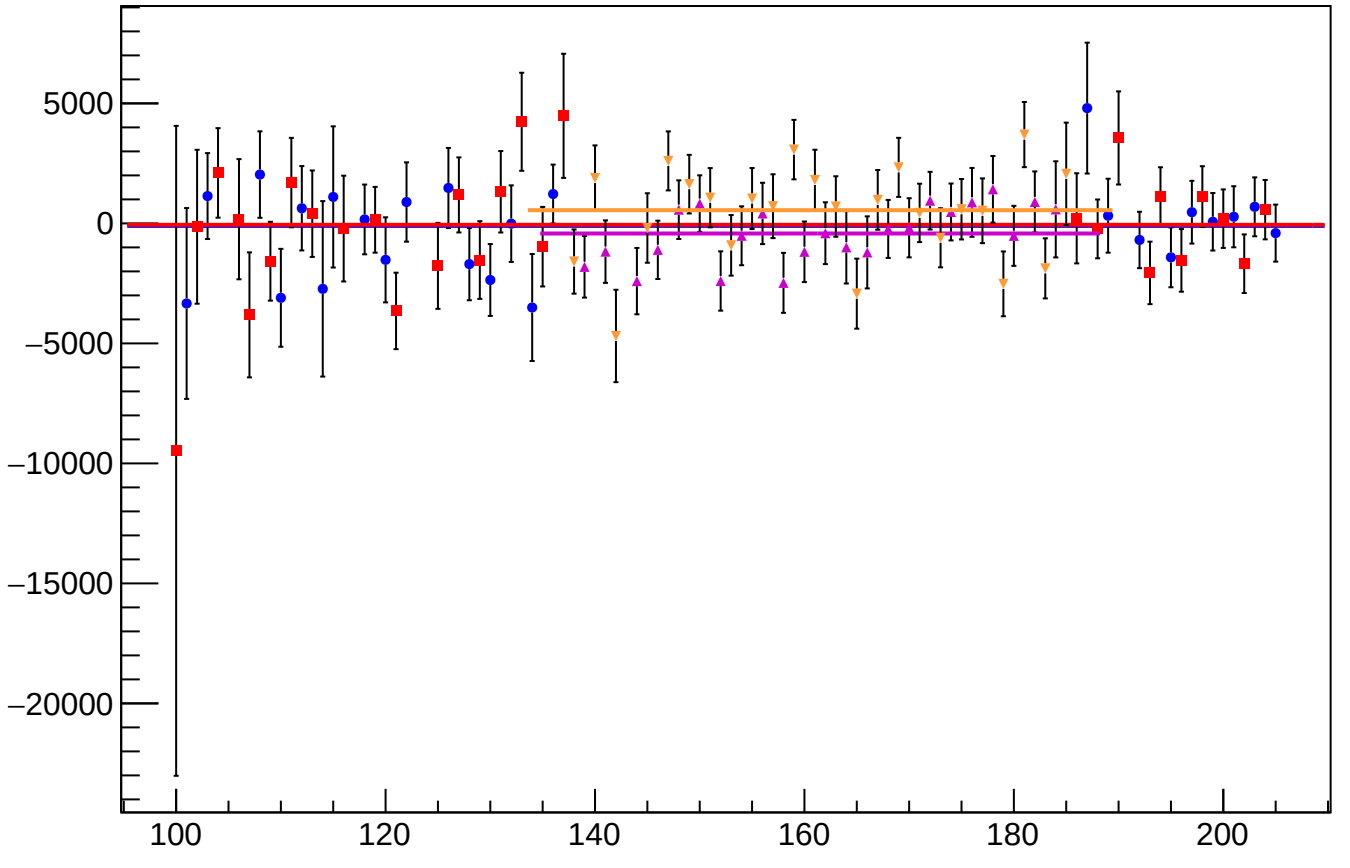
Left: 3444.492+/-0.409 χ^2/NDF: 2303503.3/46

Right: 639.950+/-0.162 χ^2/NDF: 41038475.5/52

In: 1072.545+/-0.221 χ^2/NDF:40701951.5/47

Out: 972.624+/-0.206 χ^2/NDF:43107012.2/51

All: 1019.168+/-0.151 χ^2/NDF: 83918569.5/9



Right In: -102.415+/-311.631 χ^2/NDF: 19.8/24

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -59.048+/-305.561 χ^2/NDF: 32.8/27

Left In: -421.023+/-269.815 χ^2/NDF:18.0/22

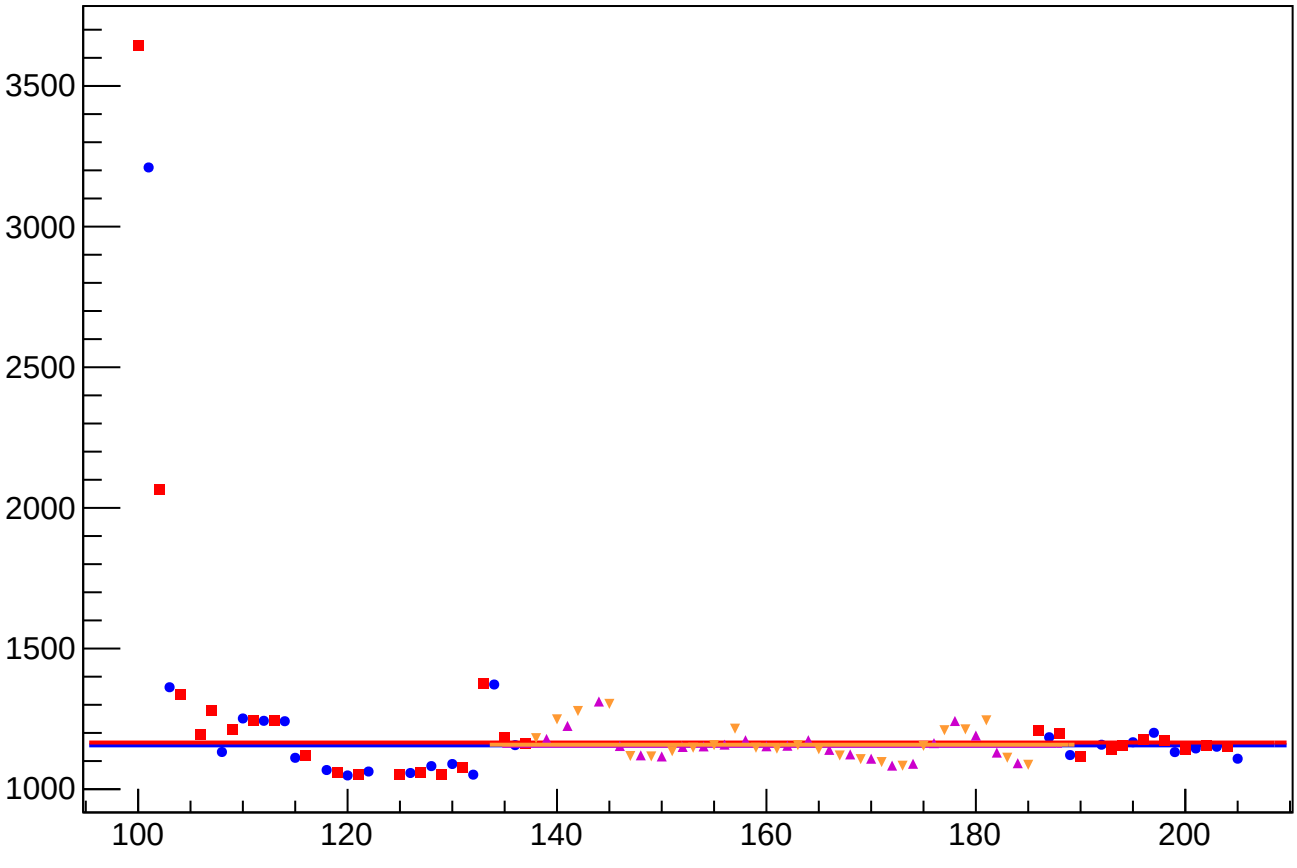
Left: 65.917+/-190.572 χ^2/NDF: 69.7/46

Right: -80.305+/-218.178 χ^2/NDF: 52.6/52

In: -284.514+/-203.982 χ^2/NDF:38.4/47

Out: 284.217+/-201.994 χ^2/NDF:80.2/51

All: 2.637+/-143.529 χ^2/NDF: 122.6/99



Right In: 1155.795+/-0.220 χ^2/NDF: 643751.2/24

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1165.890+/-0.216 χ^2/NDF: 338159.5/27

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

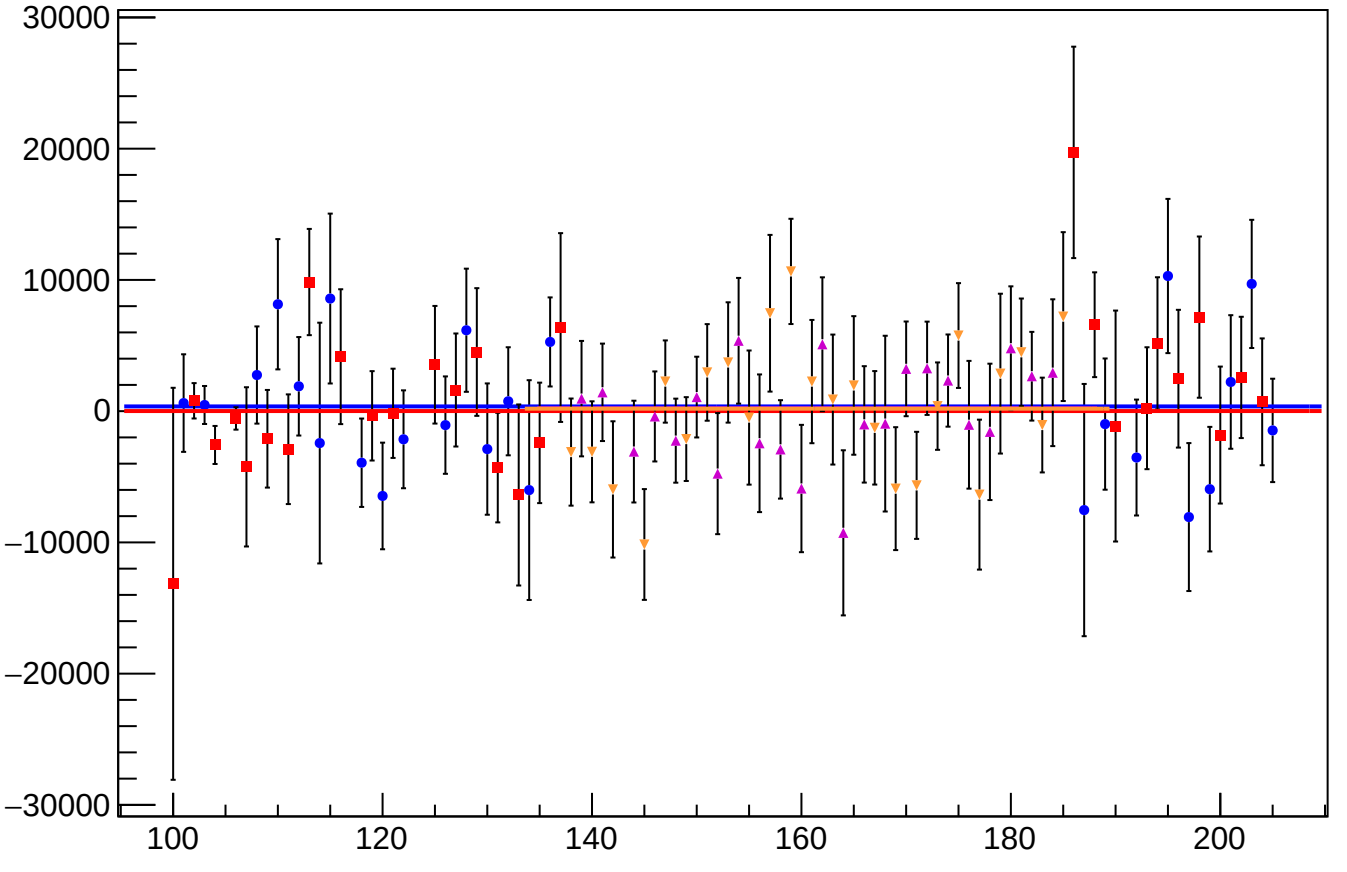
Left: 1156.208+/-0.135 χ^2/NDF: 150803.1/46

Right: 1160.943+/-0.154 χ^2/NDF: 982980.9/52

In: 1154.901+/-0.144 χ^2/NDF:710257.0/47

Out: 1161.548+/-0.143 χ^2/NDF:422989.0/51

All: 1158.258+/-0.101 χ^2/NDF: 1134318.5/99



Right In: 360.741+/-775.987 χ^2/NDF: 26.8/24

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: 8.426+/-535.367 χ^2/NDF: 29.0/27

Left In: 221.361+/-864.775 χ^2/NDF:13.4/22

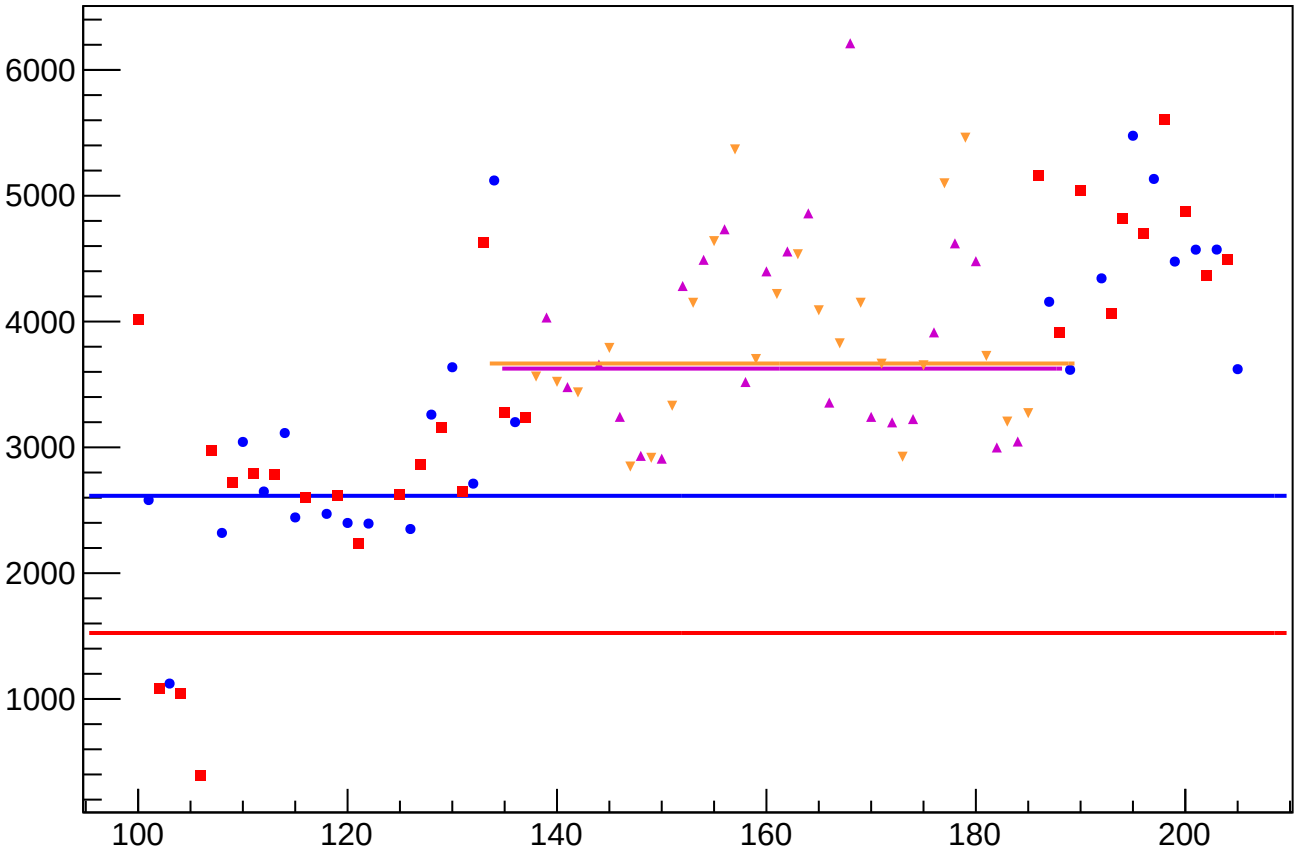
Left: 205.633+/-613.128 χ^2/NDF: 42.7/46

Right: 122.043+/-440.667 χ^2/NDF: 56.0/52

In: 298.572+/-577.553 χ^2/NDF:40.2/47

Out: 58.272+/-455.872 χ^2/NDF:58.3/51

All: 150.515+/-357.833 χ^2/NDF: 98.6/99



Right In: 2614.840+/-0.549 χ^2/NDF: 4916092.1/24

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1524.504+/-0.379 χ^2/NDF: 13443685.1/27

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

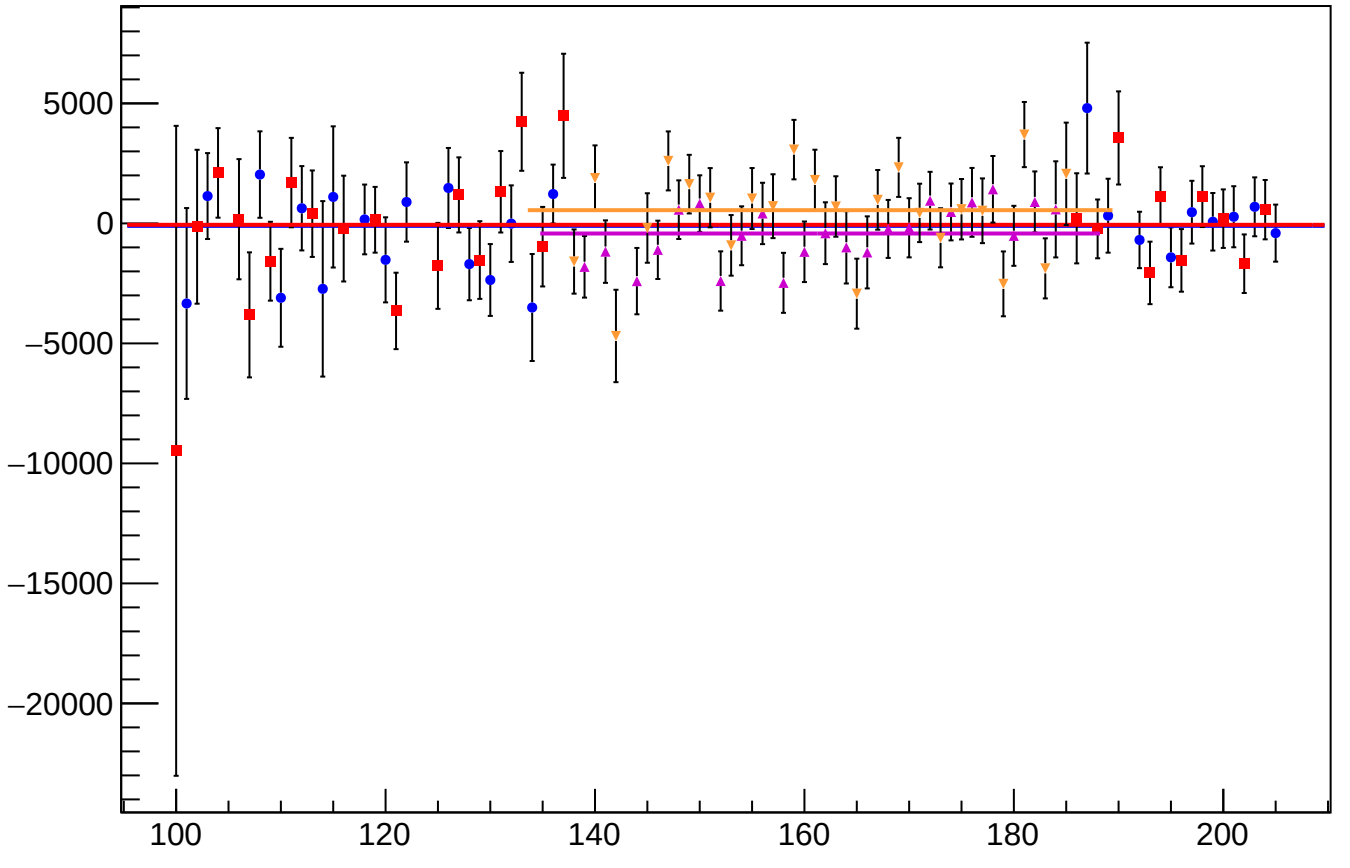
Left: 3646.129+/-0.434 χ^2/NDF: 2355951.7/46

Right: 1876.123+/-0.312 χ^2/NDF: 21035003.1/52

In: 3065.835+/-0.408 χ^2/NDF:7688582.5/47

Out: 2113.401+/-0.322 χ^2/NDF:23341760.9/51

All: 2479.007+/-0.253 χ^2/NDF: 34381477.0/9



Right In: -102.413+/-311.631 χ^2/NDF: 19.8/24

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -59.050+/-305.561 χ^2/NDF: 32.8/27

Left In: -421.022+/-269.815 χ^2/NDF:18.0/22

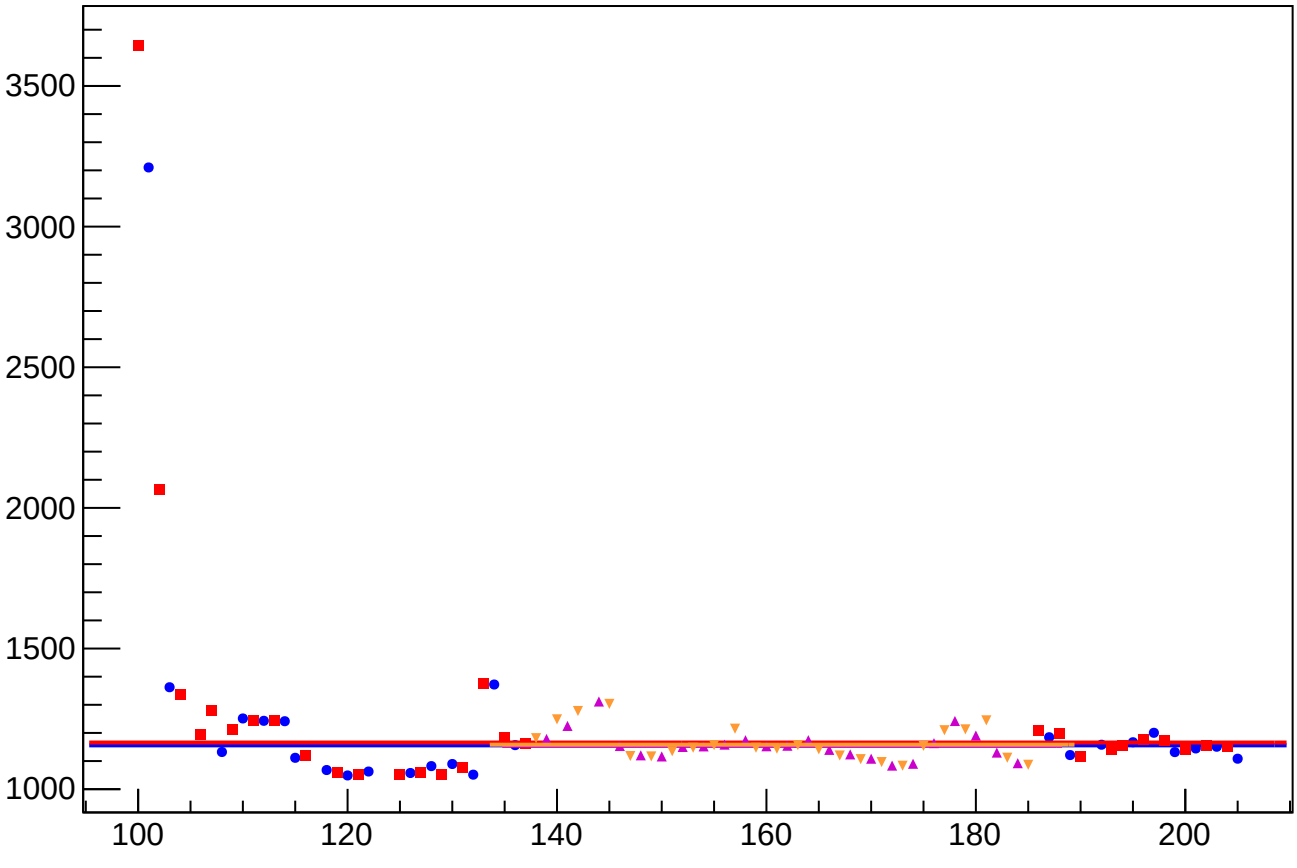
Left: 65.918+/-190.573 χ^2/NDF: 69.7/46

Right: -80.305+/-218.178 χ^2/NDF: 52.6/52

In: -284.513+/-203.982 χ^2/NDF:38.4/47

Out: 284.217+/-201.994 χ^2/NDF:80.2/51

All: 2.637+/-143.529 χ^2/NDF: 122.6/99



Right In: 1155.795+/-0.220 χ^2/NDF: 643751.6/24

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

Right Out: 1165.890+/-0.216 χ^2/NDF: 338159.2/27

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

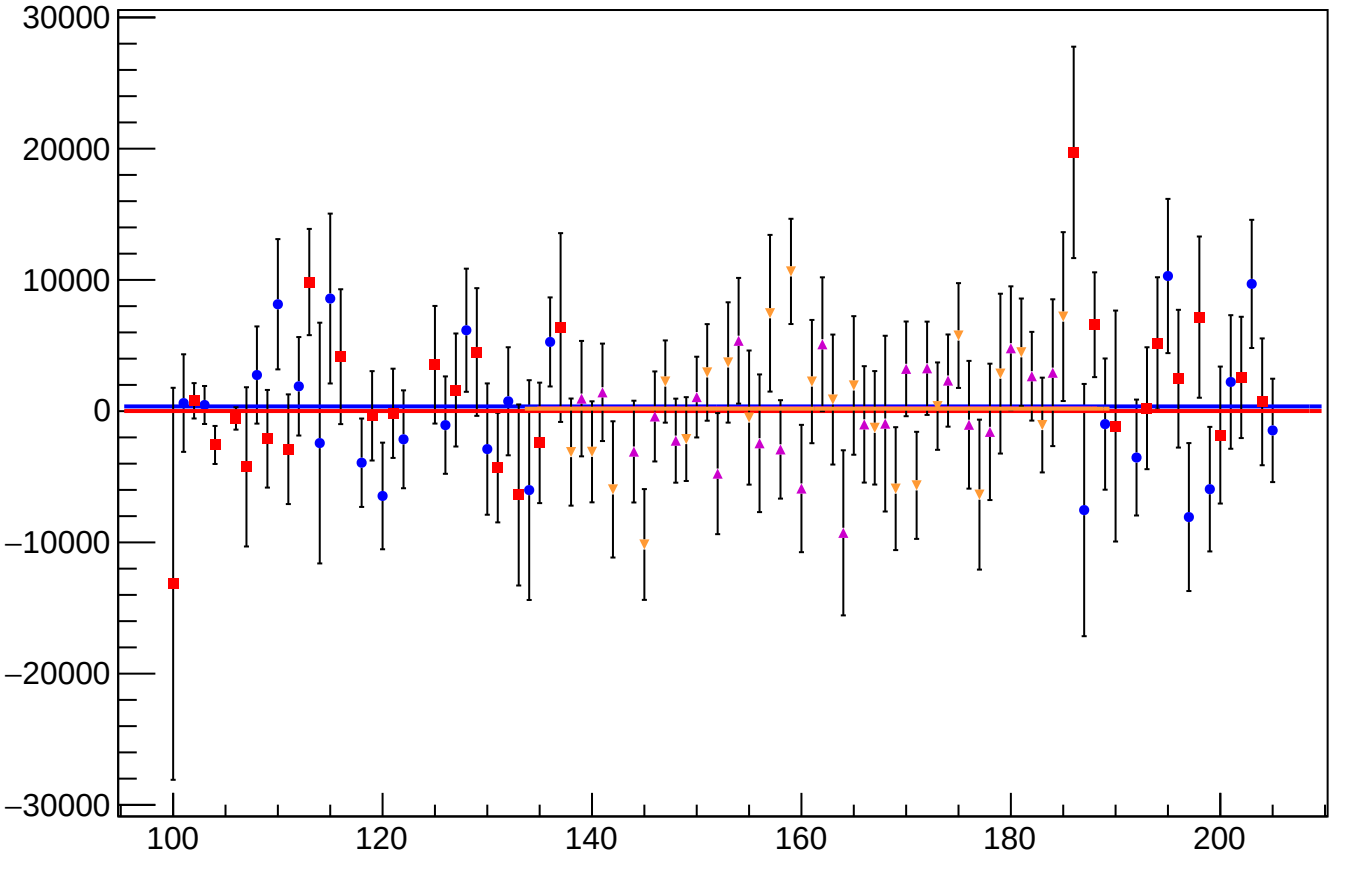
Left: 1156.209+/-0.135 χ^2/NDF: 150808.1/46

Right: 1160.943+/-0.154 χ^2/NDF: 982981.1/52

In: 1154.902+/-0.144 χ^2/NDF:710259.9/47

Out: 1161.549+/-0.143 χ^2/NDF:422991.0/51

All: 1158.258+/-0.101 χ^2/NDF: 1134323.3/99



Right In: 360.736+/-775.986 χ^2/NDF: 26.8/24

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

Right Out: 8.416+/-535.361 χ^2/NDF: 29.0/27

Left In: 221.363+/-864.776 χ^2/NDF:13.4/22

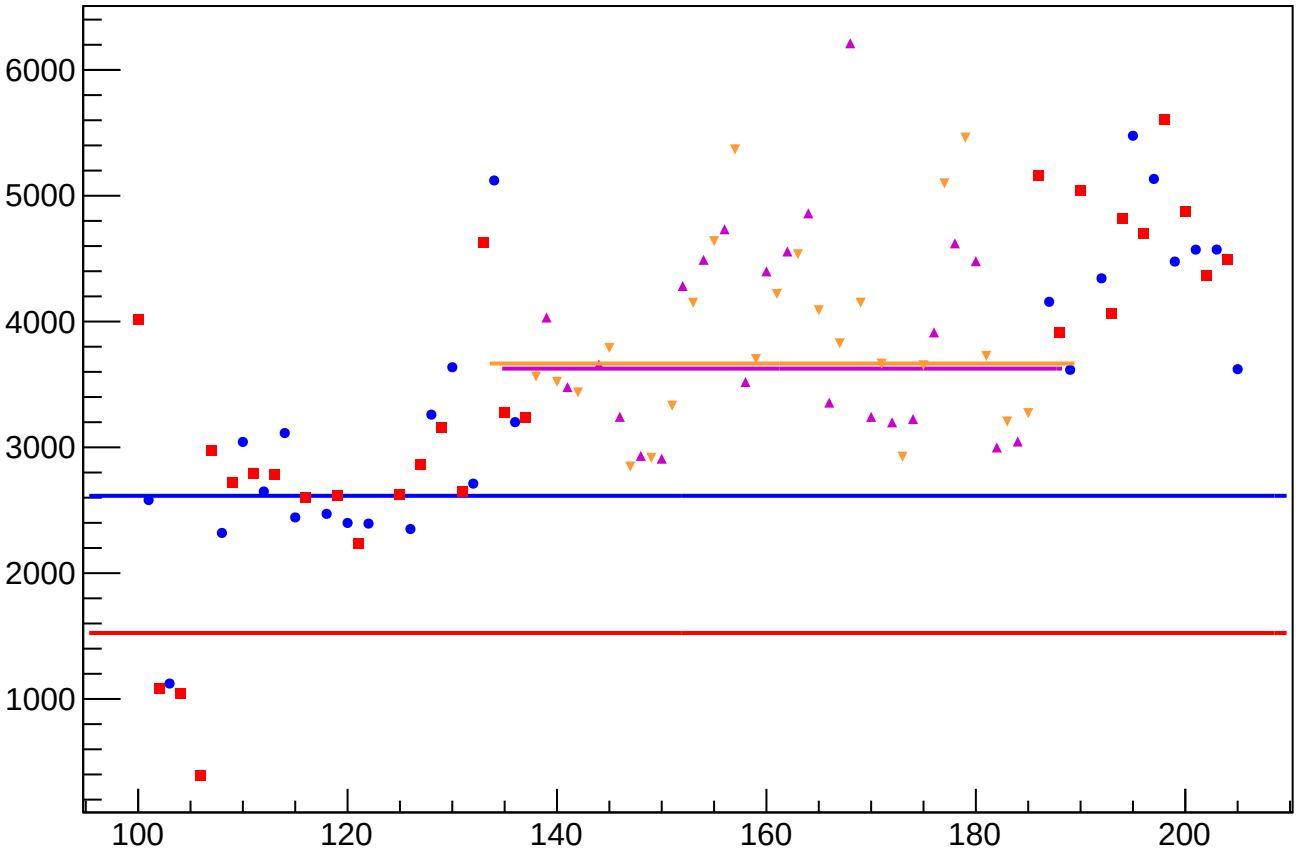
Left: 205.634+/-613.129 χ^2/NDF: 42.7/46

Right: 122.033+/-440.663 χ^2/NDF: 56.0/52

In: 298.570+/-577.553 χ^2/NDF:40.2/47

Out: 58.264+/-455.868 χ^2/NDF:58.3/51

All: 150.508+/-357.832 χ^2/NDF: 98.6/99



Right In: 2614.837+/-0.549 χ^2/NDF: 4916108.8/24

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1524.475+/-0.379 χ^2/NDF: 13443941.8/27

Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

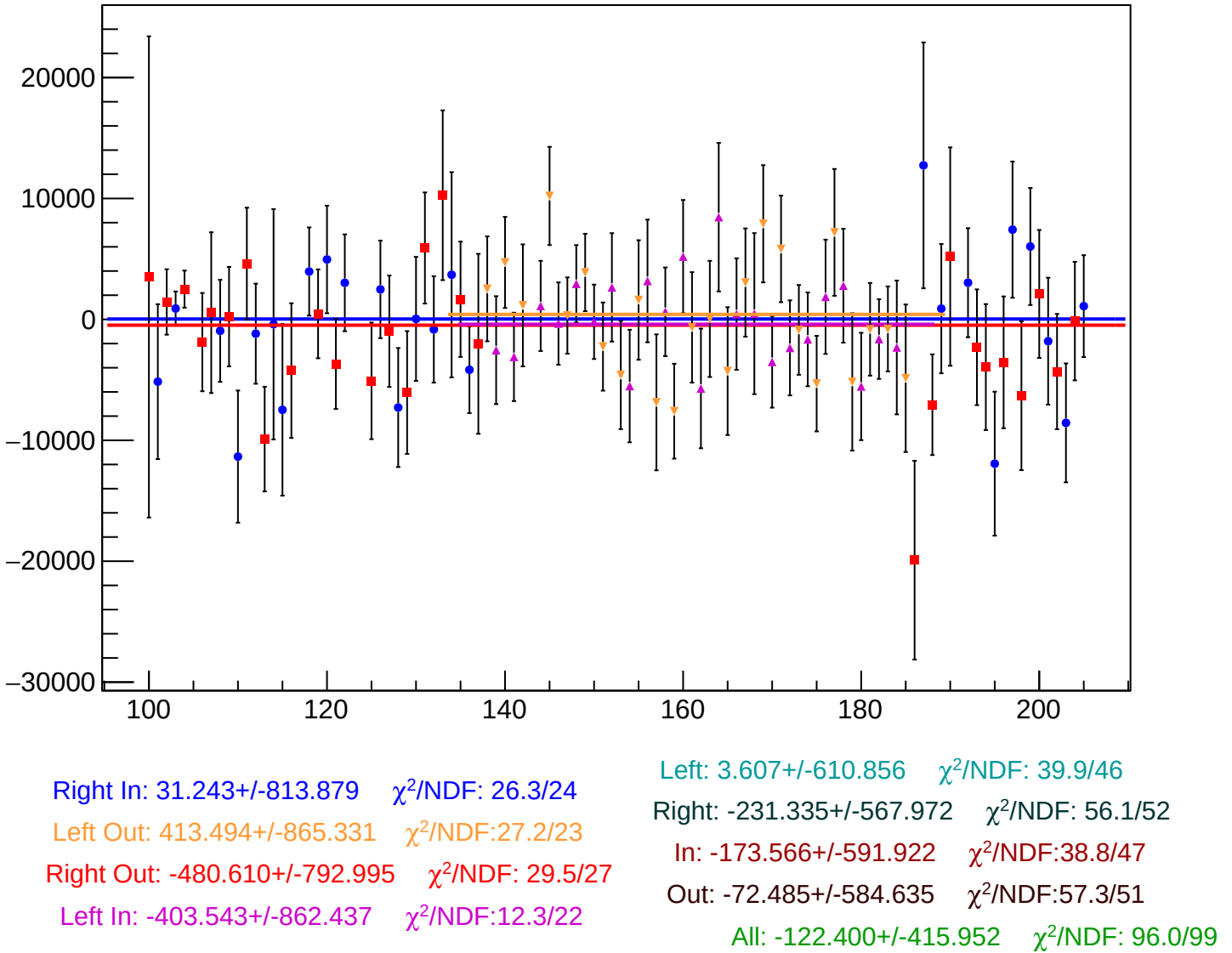
Left: 3646.134+/-0.434 χ^2/NDF: 2355959.1/46

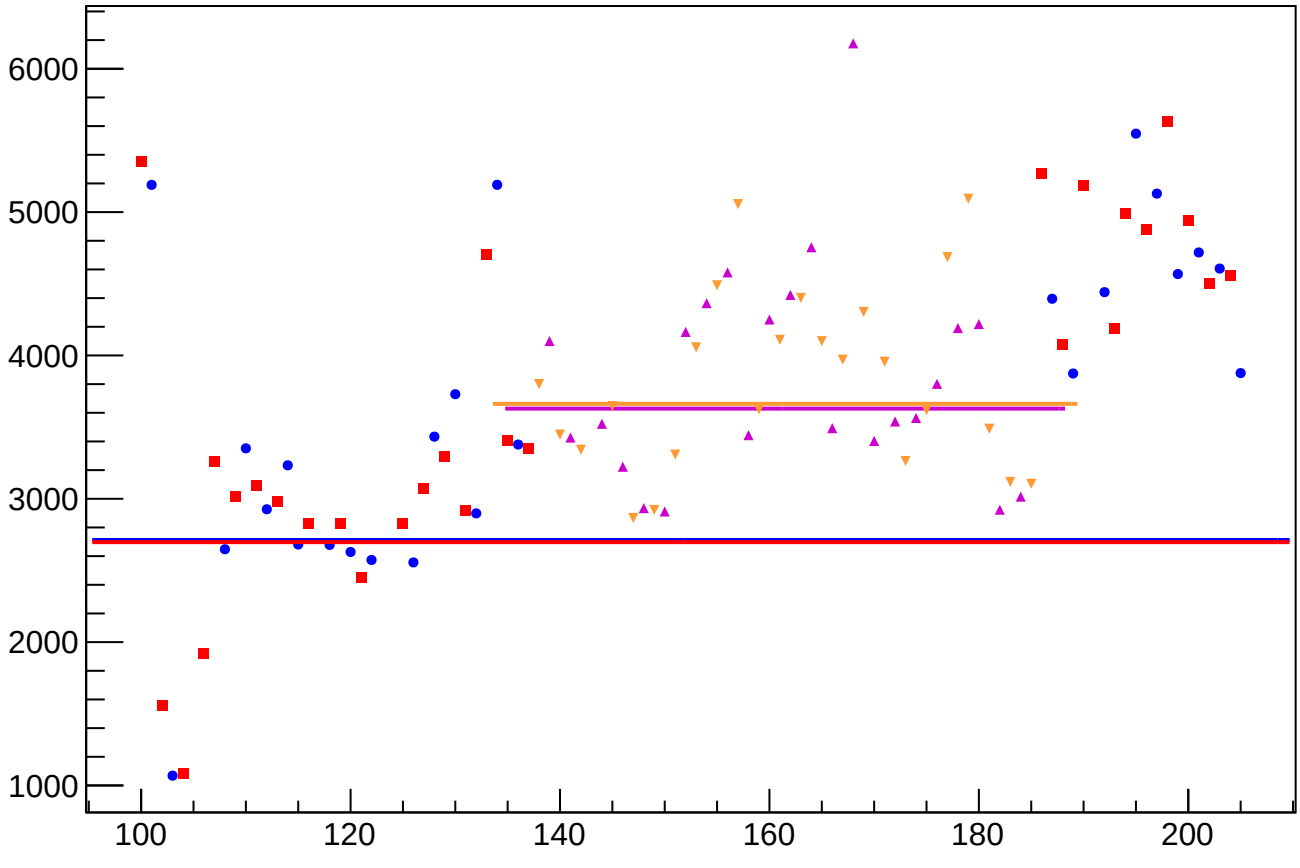
Right: 1876.098+/-0.312 χ^2/NDF: 21035421.8/52

In: 3065.834+/-0.408 χ^2/NDF:7688627.1/47

Out: 2113.372+/-0.322 χ^2/NDF:23342330.7/51

All: 2478.985+/-0.253 χ^2/NDF: 34382312.1/9


asym_us_avg_atlr_avg_dd_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: 31.243+/-813.879 χ²/NDF: 26.3/24
Left Out: 413.494+/-865.331 χ²/NDF:27.2/23
Right Out: -480.610+/-792.995 χ²/NDF: 29.5/27
Left In: -403.543+/-862.437 χ²/NDF:12.3/22
Left: 3.607+/-610.856 χ²/NDF: 39.9/46
Right: -231.335+/-567.972 χ²/NDF: 56.1/52
In: -173.566+/-591.922 χ²/NDF:38.8/47
Out: -72.485+/-584.635 χ²/NDF:57.3/51
All: -122.400+/-415.952 χ²/NDF: 96.0/99



Right In: 2712.682+/-0.575 χ^2/NDF: 5733711.1/24

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

Right Out: 2697.642+/-0.560 χ^2/NDF: 5880365.8/27

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

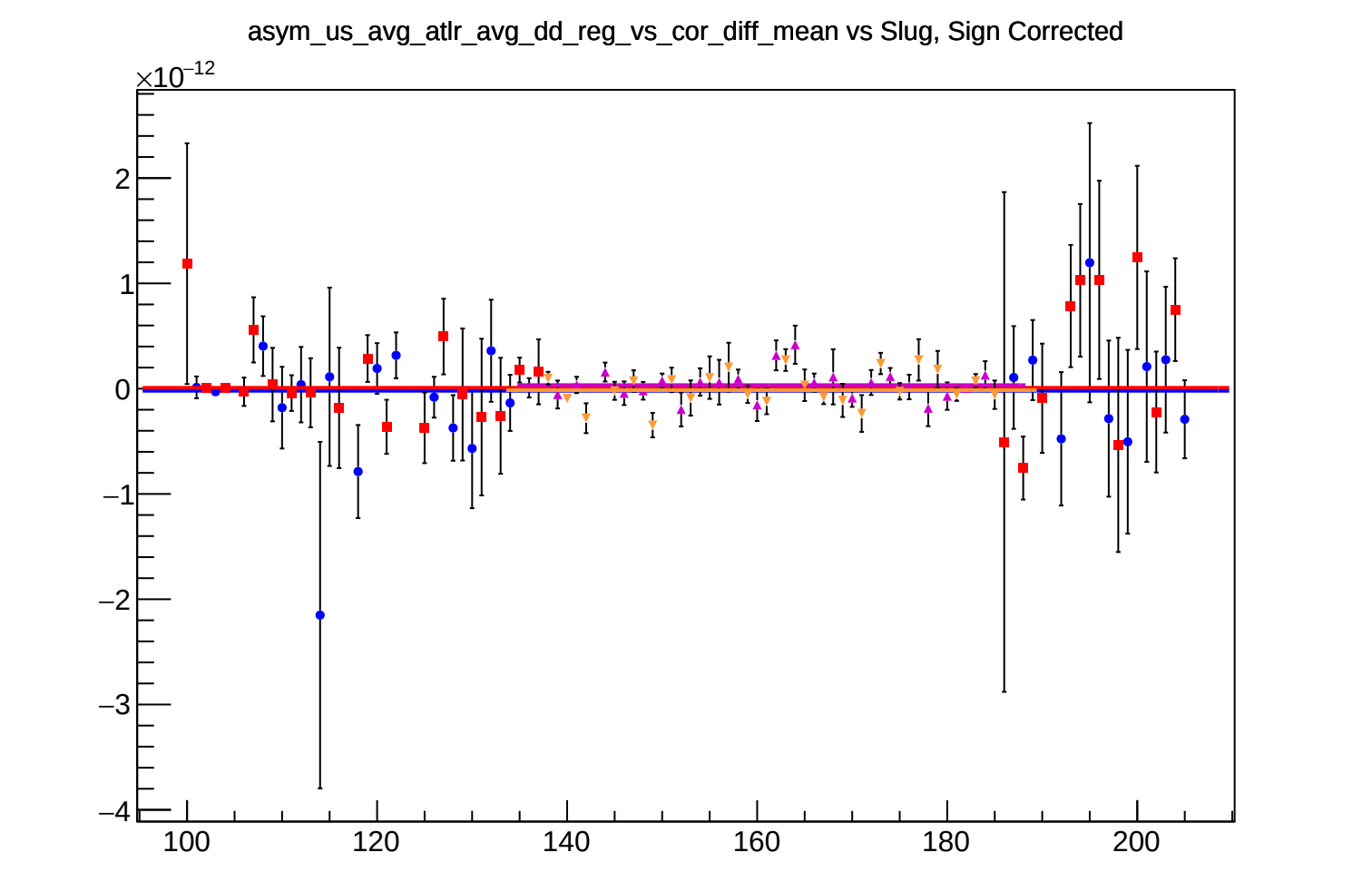
Left: 3645.867+/-0.432 χ^2/NDF: 1949919.7/46

Right: 2704.952+/-0.401 χ^2/NDF: 11614427.9/52

In: 3144.405+/-0.419 χ^2/NDF:7983340.2/47

Out: 3137.240+/-0.413 χ^2/NDF:8128117.3/51

All: 3140.775+/-0.294 χ^2/NDF: 16111606.0/9



Right In: -0.000+/-0.000 χ^2/NDF: 16.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:45.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 30.3/27

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

Left: 0.000+/-0.000 χ^2/NDF: 71.2/46

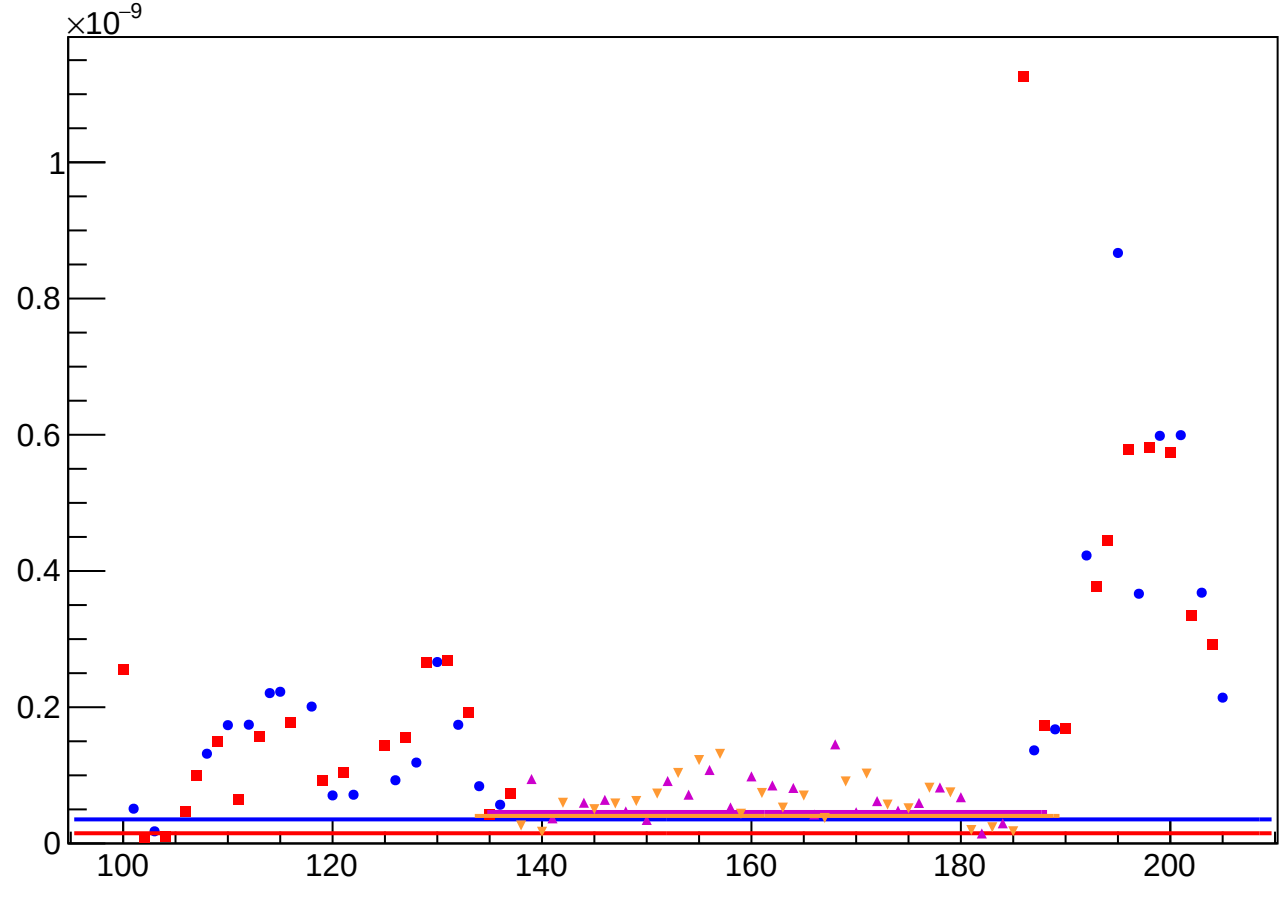
Right: 0.000+/-0.000 χ^2/NDF: 48.2/52

In: 0.000+/-0.000 χ^2/NDF:42.6/47

Out: -0.000+/-0.000 χ^2/NDF:76.5/51

All: 0.000+/-0.000 χ^2/NDF: 119.6/99

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7859776.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9772174.2/27

Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

Left: 0.000+/-0.000 χ^2/NDF: 6474821.5/46

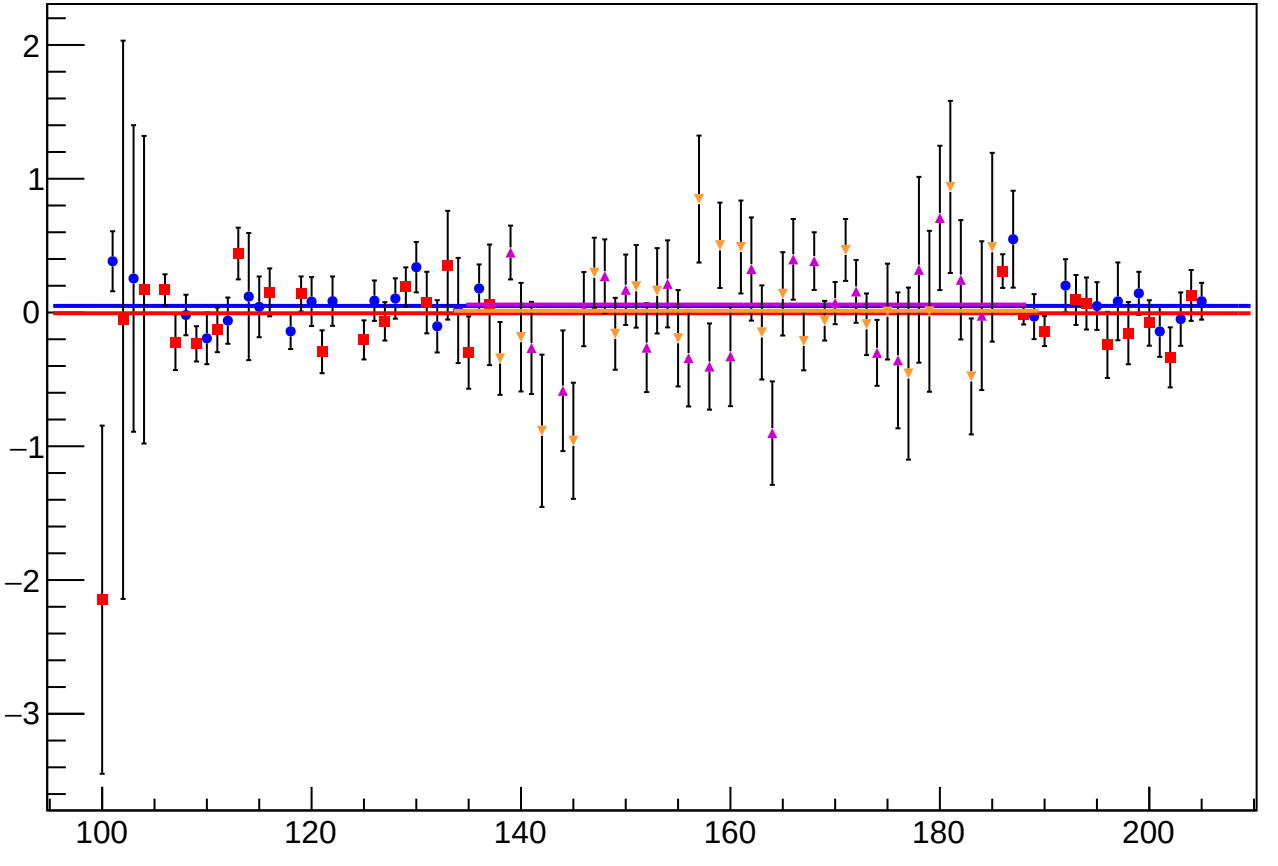
Right: 0.000+/-0.000 χ^2/NDF: 18596371.3/52

In: 0.000+/-0.000 χ^2/NDF:11040486.8/47

Out: 0.000+/-0.000 χ^2/NDF:15490345.6/51

All: 0.000+/-0.000 χ^2/NDF: 28056197.3/99

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

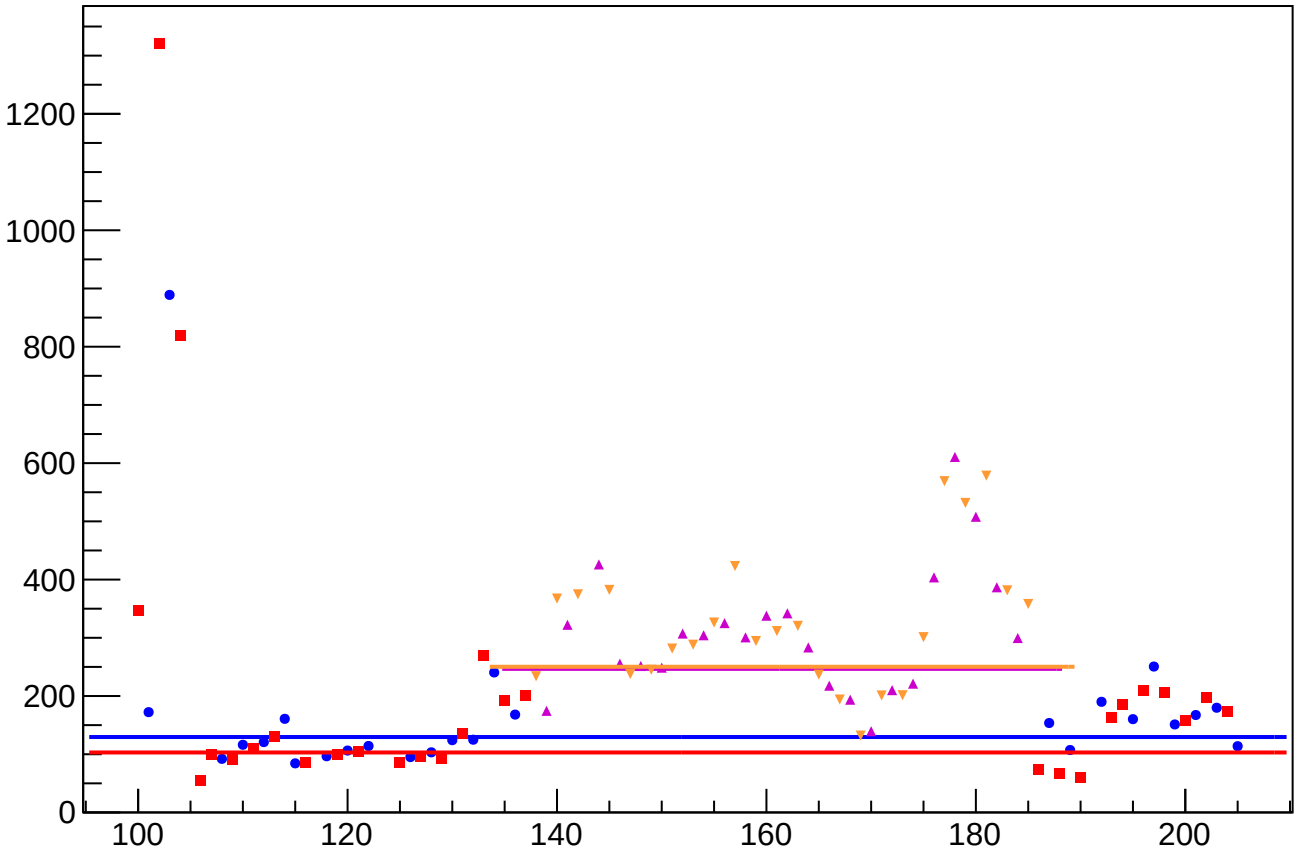
Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

Right: 0.017+/-0.024 χ^2/NDF: 54.2/52

In: 0.052+/-0.032 χ^2/NDF:42.6/47

Out: -0.002+/-0.028 χ^2/NDF:67.7/51

All: 0.021+/-0.021 χ^2/NDF: 111.9/99



Right In: 129.567+/-0.027 χ^2/NDF: 2669587.5/24

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.022+/-0.022 χ^2/NDF: 5712687.4/27

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

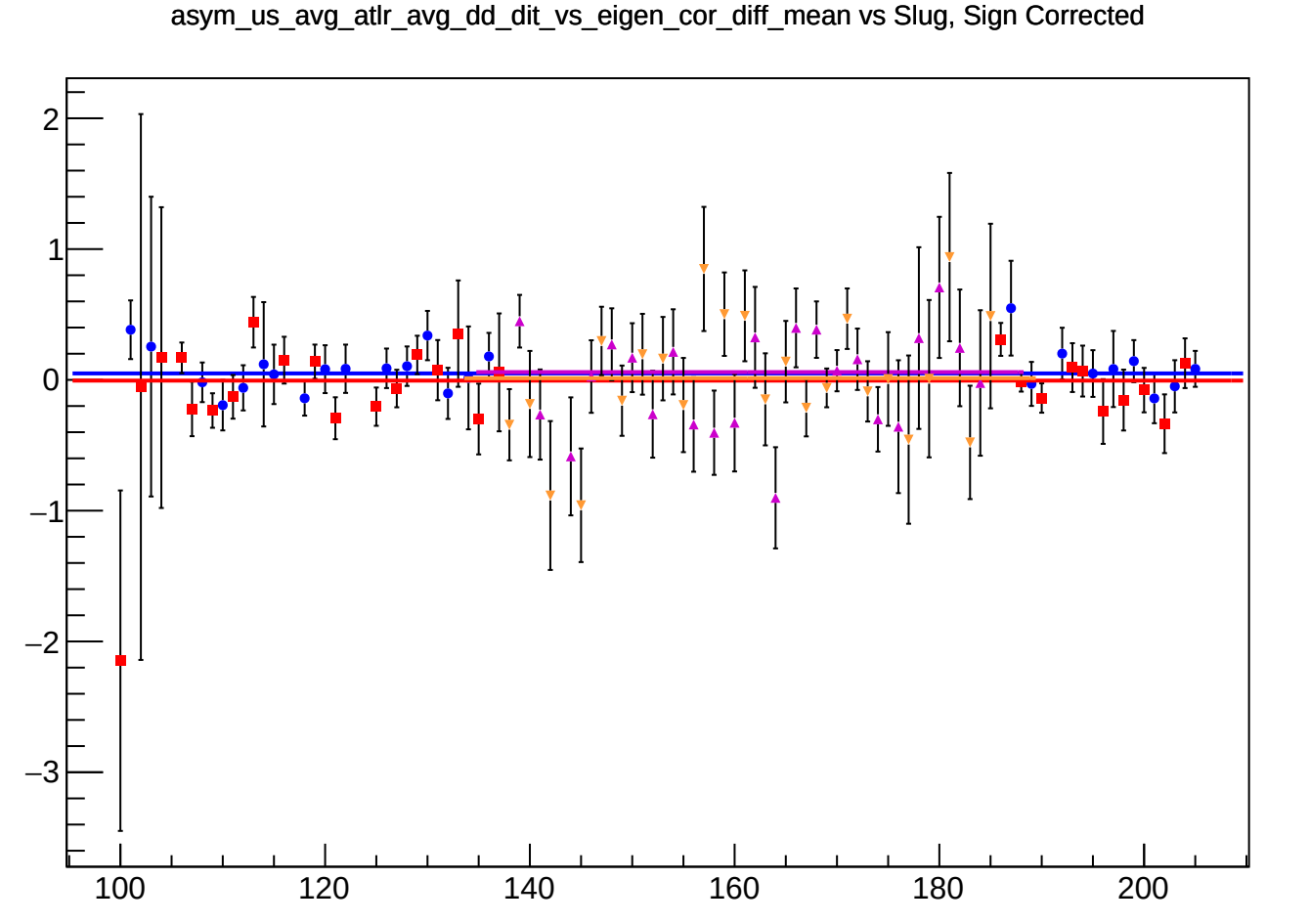
Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

Right: 113.755+/-0.017 χ^2/NDF: 8969935.2/52

In: 161.275+/-0.023 χ^2/NDF:11639603.7/47

Out: 131.922+/-0.020 χ^2/NDF:18841814.1/51

All: 144.485+/-0.015 χ^2/NDF: 31427775.6/99



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

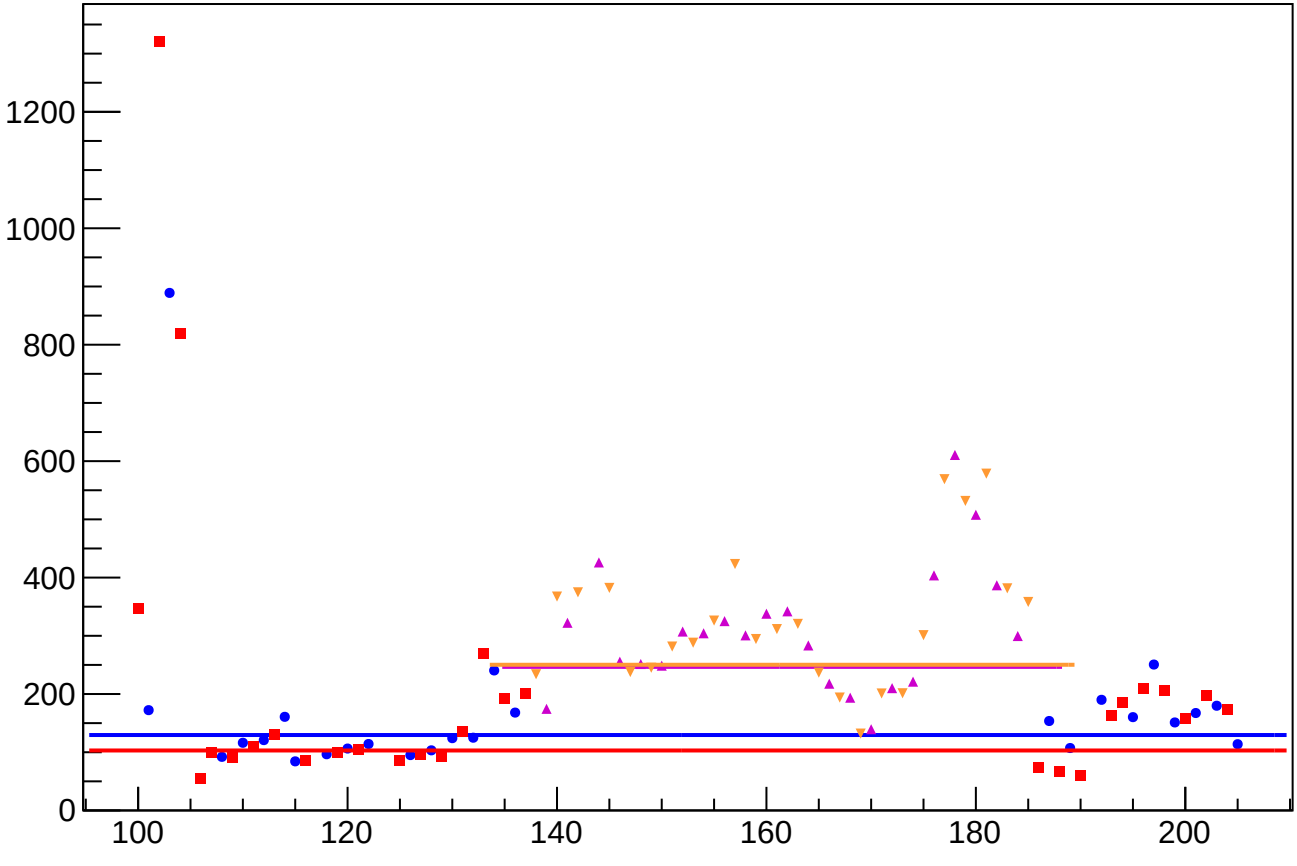
Right: 0.017+/-0.024 χ^2/NDF: 54.2/52

In: 0.052+/-0.032 χ^2/NDF:42.6/47

Out: -0.002+/-0.028 χ^2/NDF:67.7/51

All: 0.021+/-0.021 χ^2/NDF: 111.9/99

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.567+/-0.027 χ^2/NDF: 2669587.5/24

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

Right Out: 103.022+/-0.022 χ^2/NDF: 5712687.4/27

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

Left: 248.410+/-0.031 χ^2/NDF: 8129595.0/46

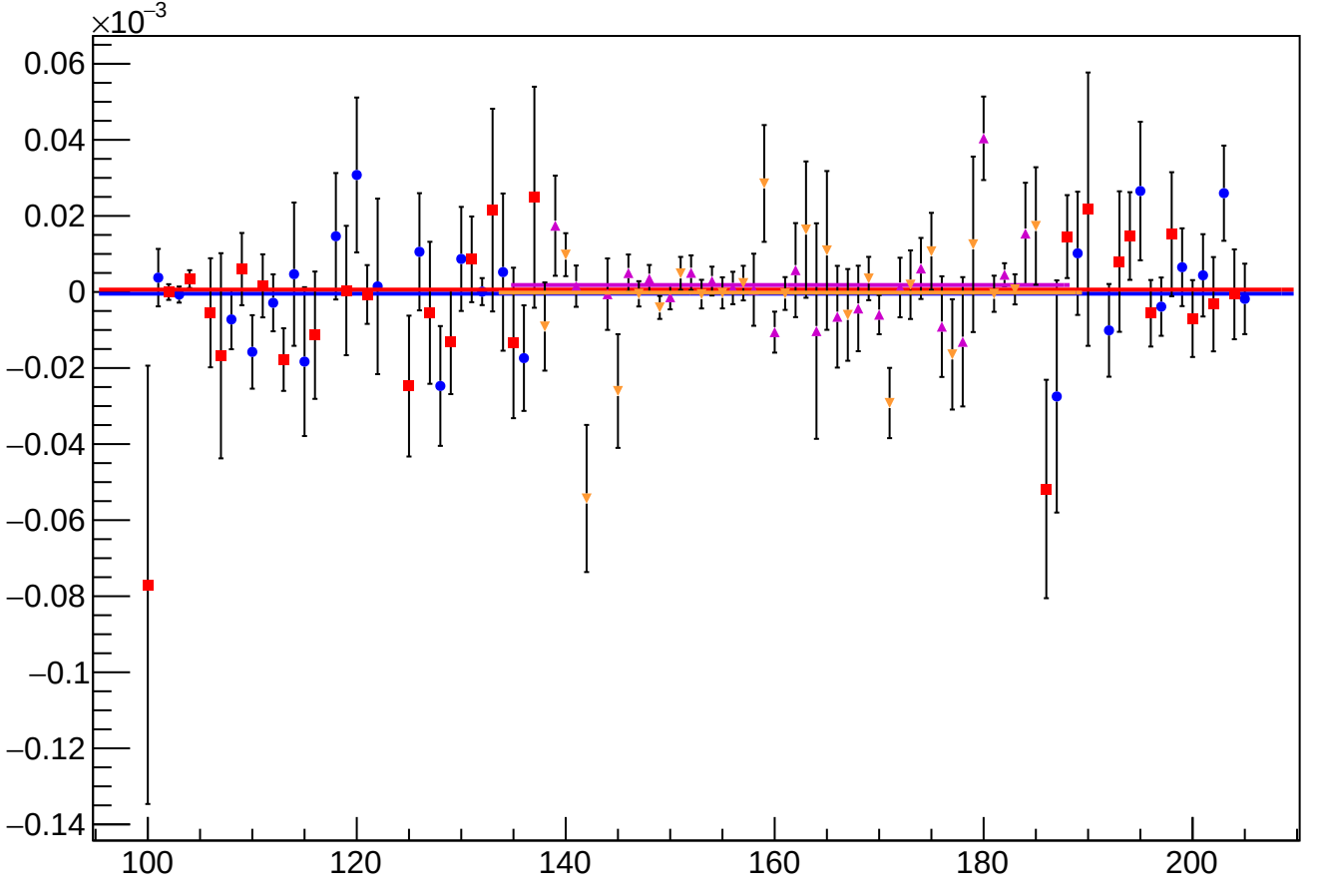
Right: 113.755+/-0.017 χ^2/NDF: 8969935.2/52

In: 161.275+/-0.023 χ^2/NDF:11639603.7/47

Out: 131.922+/-0.020 χ^2/NDF:18841814.1/51

All: 144.485+/-0.015 χ^2/NDF: 31427775.6/99

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 24.0/27

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

Left: 0.000+/-0.000 χ^2/NDF: 66.8/46

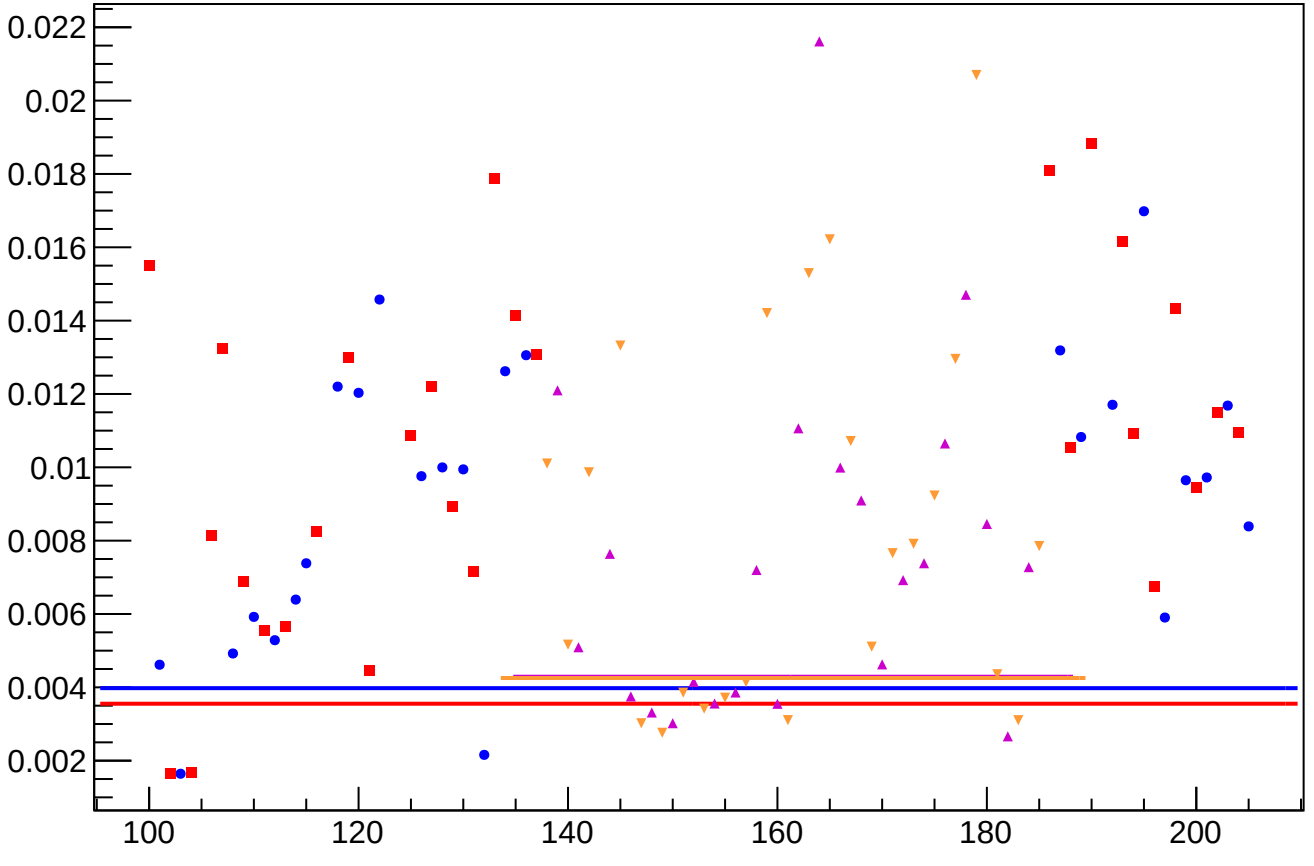
Right: 0.000+/-0.000 χ^2/NDF: 46.4/52

In: 0.000+/-0.000 χ^2/NDF:51.7/47

Out: 0.000+/-0.000 χ^2/NDF:61.4/51

All: 0.000+/-0.000 χ^2/NDF: 113.4/99

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 11504495.3/24

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

Right Out: 0.004+/-0.000 χ^2/NDF: 14285810.1/27

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

Left: 0.004+/-0.000 χ^2/NDF: 15092064.0/46

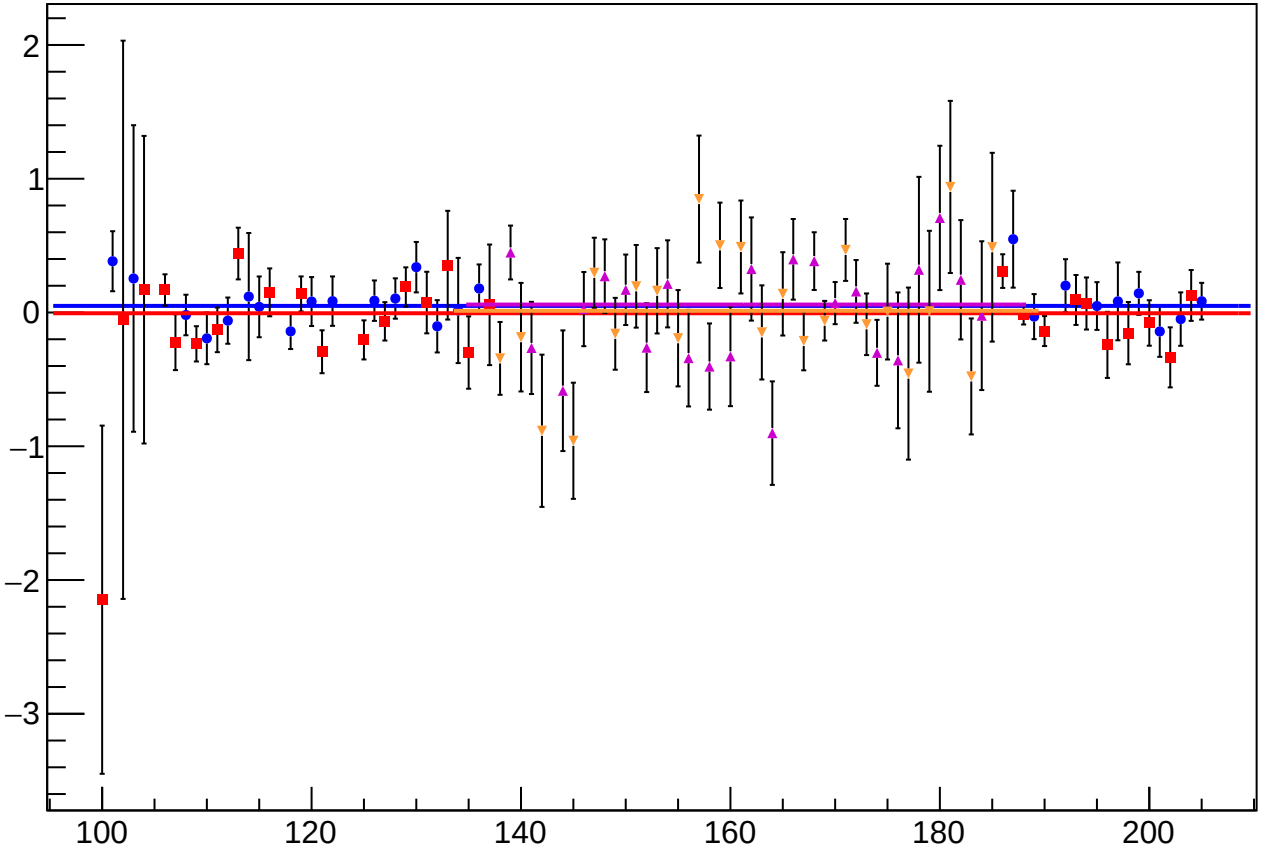
Right: 0.004+/-0.000 χ^2/NDF: 25883253.7/52

In: 0.004+/-0.000 χ^2/NDF:18157812.5/47

Out: 0.004+/-0.000 χ^2/NDF:23094471.2/51

All: 0.004+/-0.000 χ^2/NDF: 41311941.7/99

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

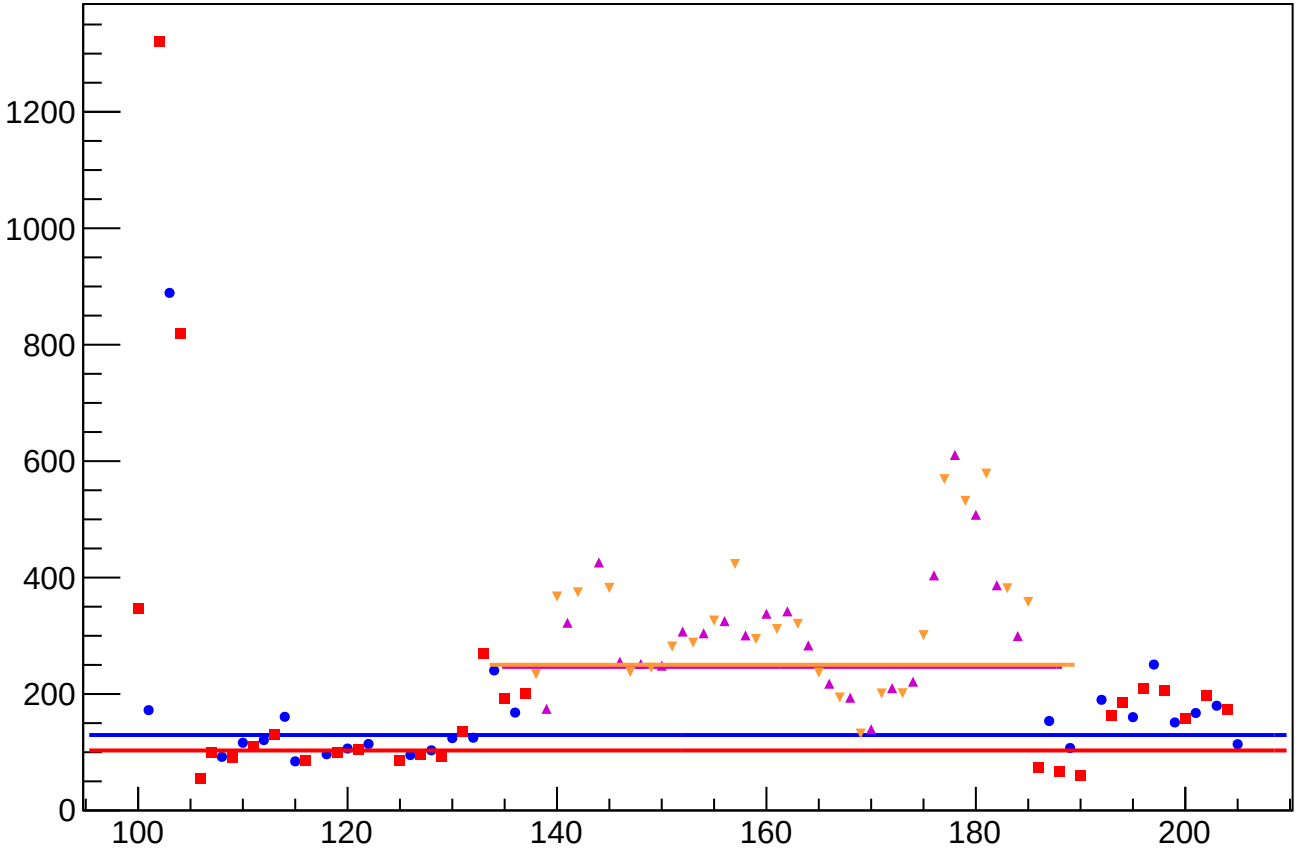
Right: 0.017+/-0.024 χ^2/NDF: 54.2/52

In: 0.052+/-0.032 χ^2/NDF:42.6/47

Out: -0.002+/-0.028 χ^2/NDF:67.7/51

All: 0.021+/-0.021 χ^2/NDF: 111.9/99

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.566+/-0.027 χ^2/NDF: 2669630.7/24

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.017+/-0.022 χ^2/NDF: 5713266.2/27

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

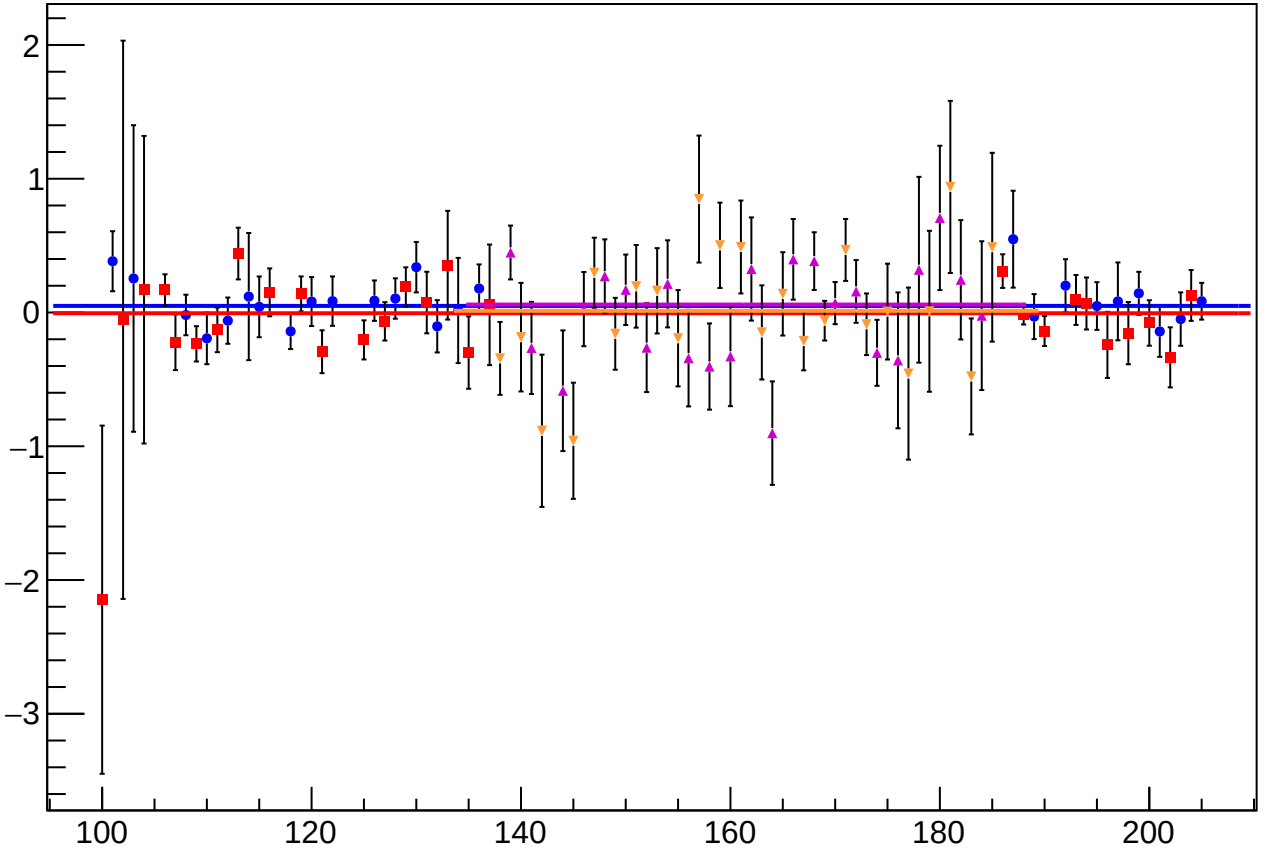
Right: 113.752+/-0.017 χ^2/NDF: 8970739.5/52

In: 161.274+/-0.023 χ^2/NDF:11639897.2/47

Out: 131.917+/-0.020 χ^2/NDF:18843199.4/51

All: 144.481+/-0.015 χ^2/NDF: 31429757.0/99

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.049+/-0.038 χ^2/NDF: 14.7/24

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

Right Out: -0.006+/-0.031 χ^2/NDF: 38.3/27

Left In: 0.059+/-0.062 χ^2/NDF:27.9/22

Left: 0.036+/-0.044 χ^2/NDF: 57.5/46

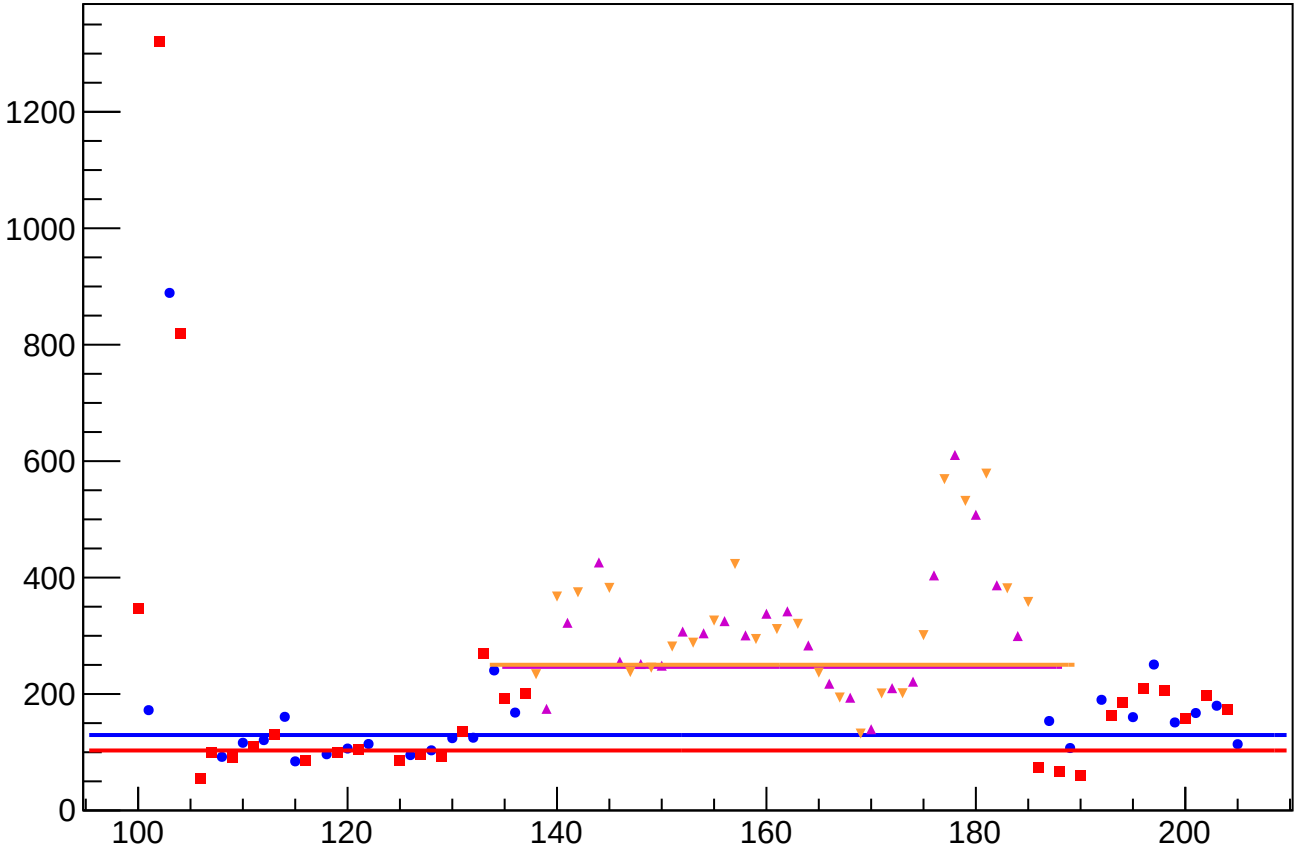
Right: 0.017+/-0.024 χ^2/NDF: 54.2/52

In: 0.052+/-0.032 χ^2/NDF:42.6/47

Out: -0.002+/-0.028 χ^2/NDF:67.7/51

All: 0.021+/-0.021 χ^2/NDF: 111.9/99

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 129.566+/-0.027 χ^2/NDF: 2669630.7/24

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

Right Out: 103.017+/-0.022 χ^2/NDF: 5713266.2/27

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

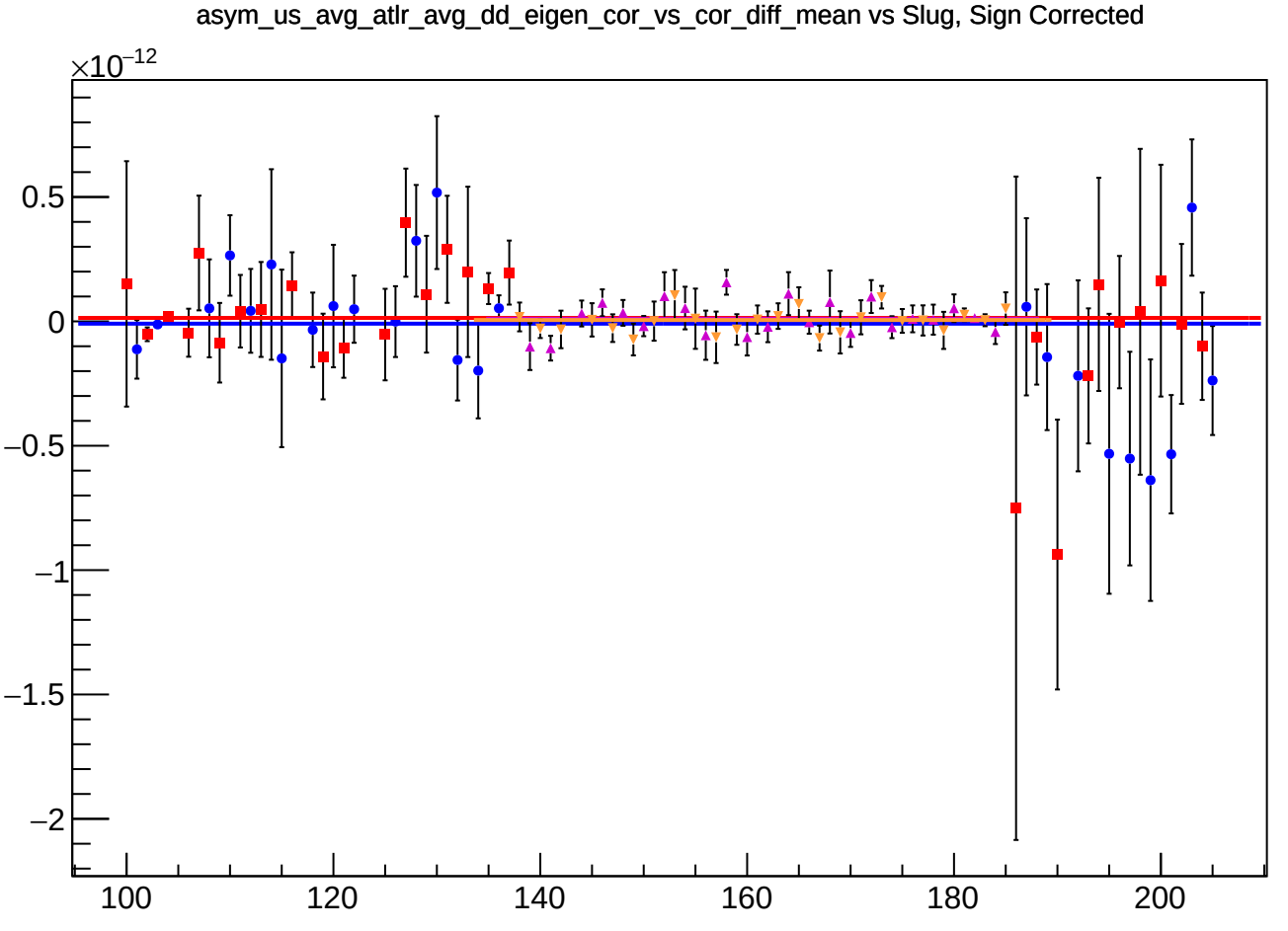
Left: 248.411+/-0.031 χ^2/NDF: 8129814.5/46

Right: 113.752+/-0.017 χ^2/NDF: 8970739.5/52

In: 161.274+/-0.023 χ^2/NDF:11639897.2/47

Out: 131.917+/-0.020 χ^2/NDF:18843199.4/51

All: 144.481+/-0.015 χ^2/NDF: 31429757.0/99



Right In: -0.000+/-0.000 χ^2/NDF: 26.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/27

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

Left: 0.000+/-0.000 χ^2/NDF: 41.8/46

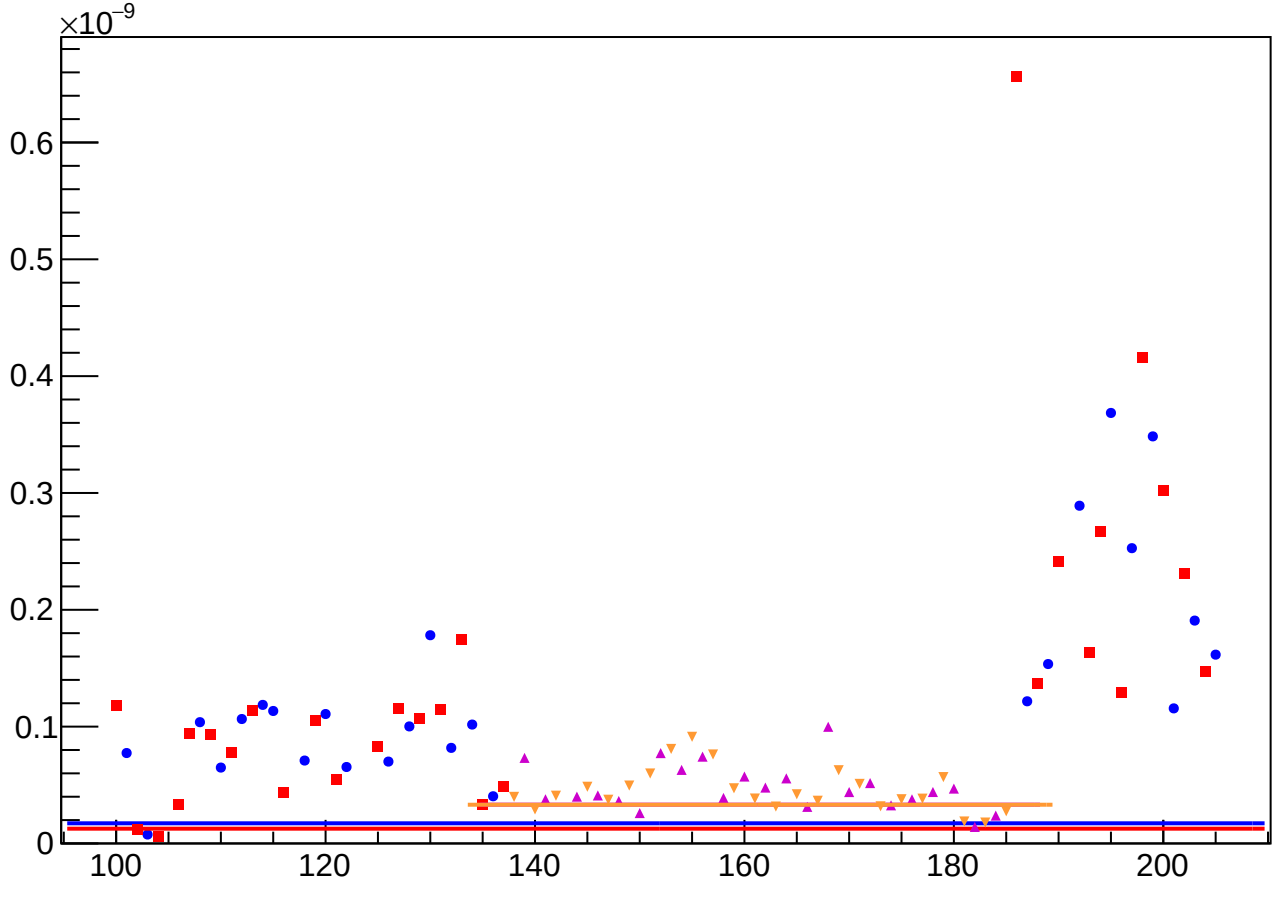
Right: 0.000+/-0.000 χ^2/NDF: 55.5/52

In: 0.000+/-0.000 χ^2/NDF:56.0/47

Out: 0.000+/-0.000 χ^2/NDF:40.9/51

All: 0.000+/-0.000 χ^2/NDF: 97.4/99

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11893600.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12521180.9/27

Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

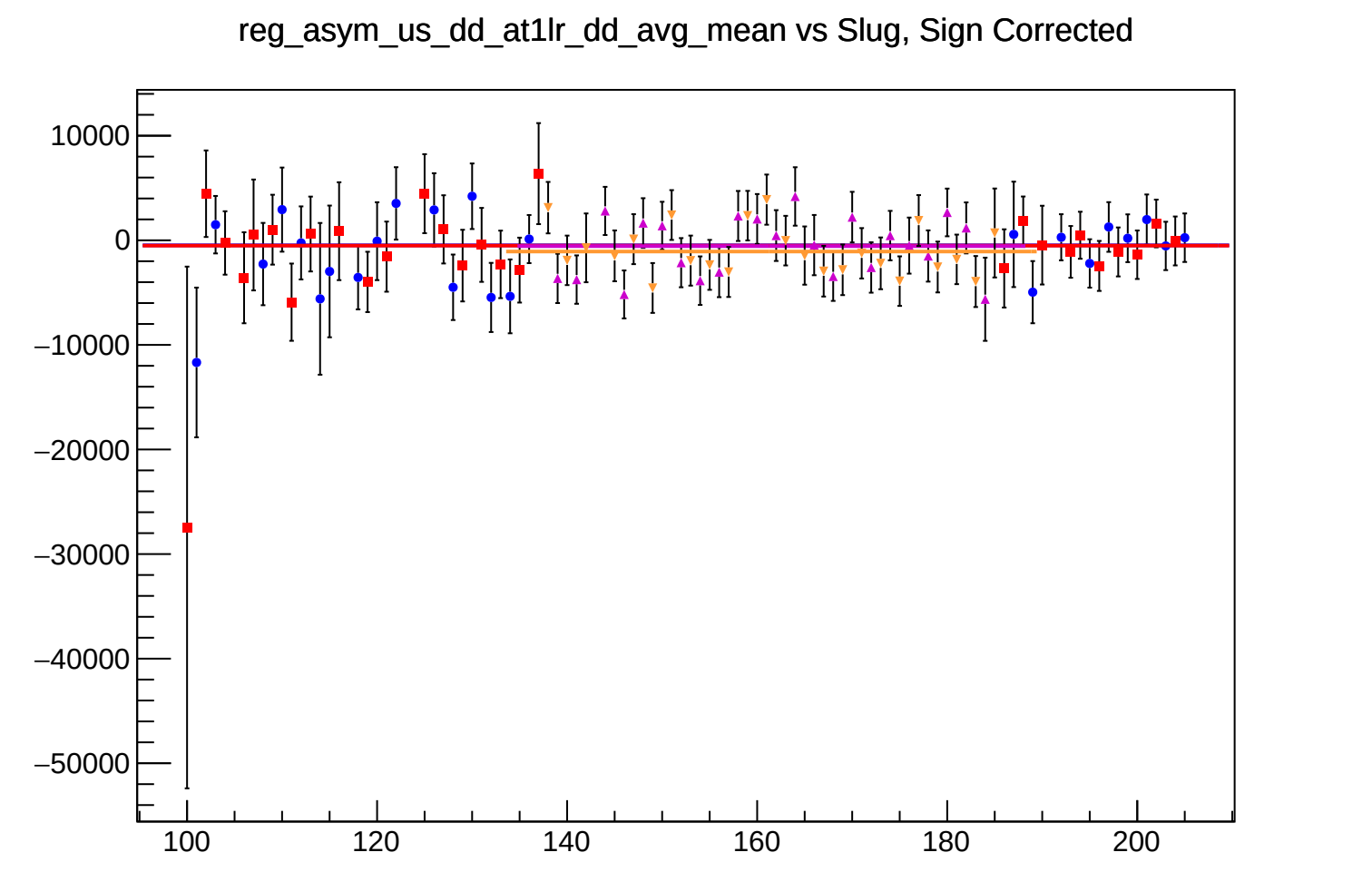
Left: 0.000+/-0.000 χ^2/NDF: 9043794.9/46

Right: 0.000+/-0.000 χ^2/NDF: 24584249.6/52

In: 0.000+/-0.000 χ^2/NDF:18848970.6/47

Out: 0.000+/-0.000 χ^2/NDF:20627118.4/51

All: 0.000+/-0.000 χ^2/NDF: 39796424.6/99



Right In: -479.784+/-600.414 χ^2/NDF: 20.8/24

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: -508.309+/-584.074 χ^2/NDF: 15.8/27

Left In: -557.052+/-509.208 χ^2/NDF:28.7/22

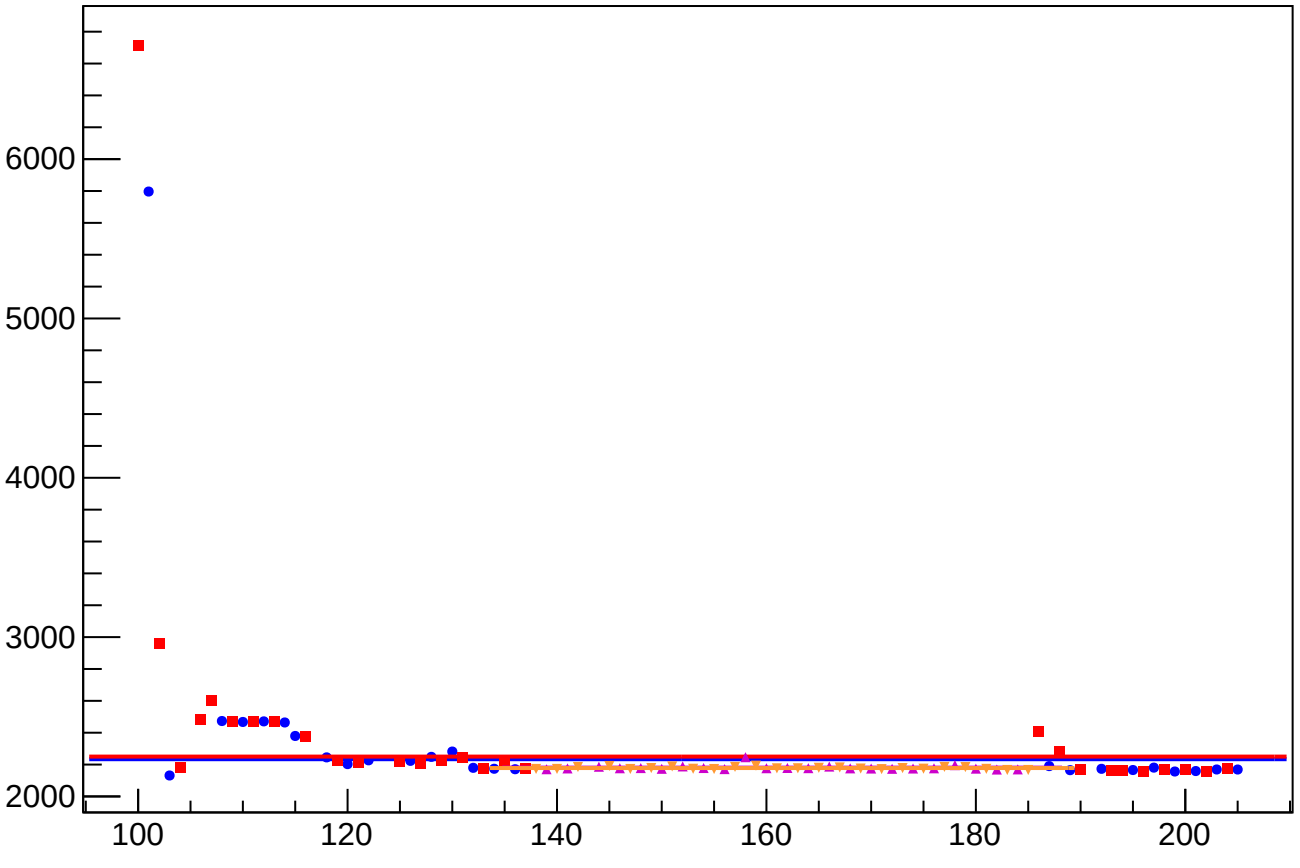
Left: -816.825+/-358.759 χ^2/NDF: 50.8/46

Right: -494.440+/-418.660 χ^2/NDF: 36.6/52

In: -524.727+/-388.351 χ^2/NDF:49.5/47

Out: -831.069+/-382.241 χ^2/NDF:37.9/51

All: -680.326+/-272.420 χ^2/NDF: 87.7/99



Right In: 2233.715+/-0.425 χ^2/NDF: 540865.9/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2250.105+/-0.413 χ^2/NDF: 189034.1/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.2/46

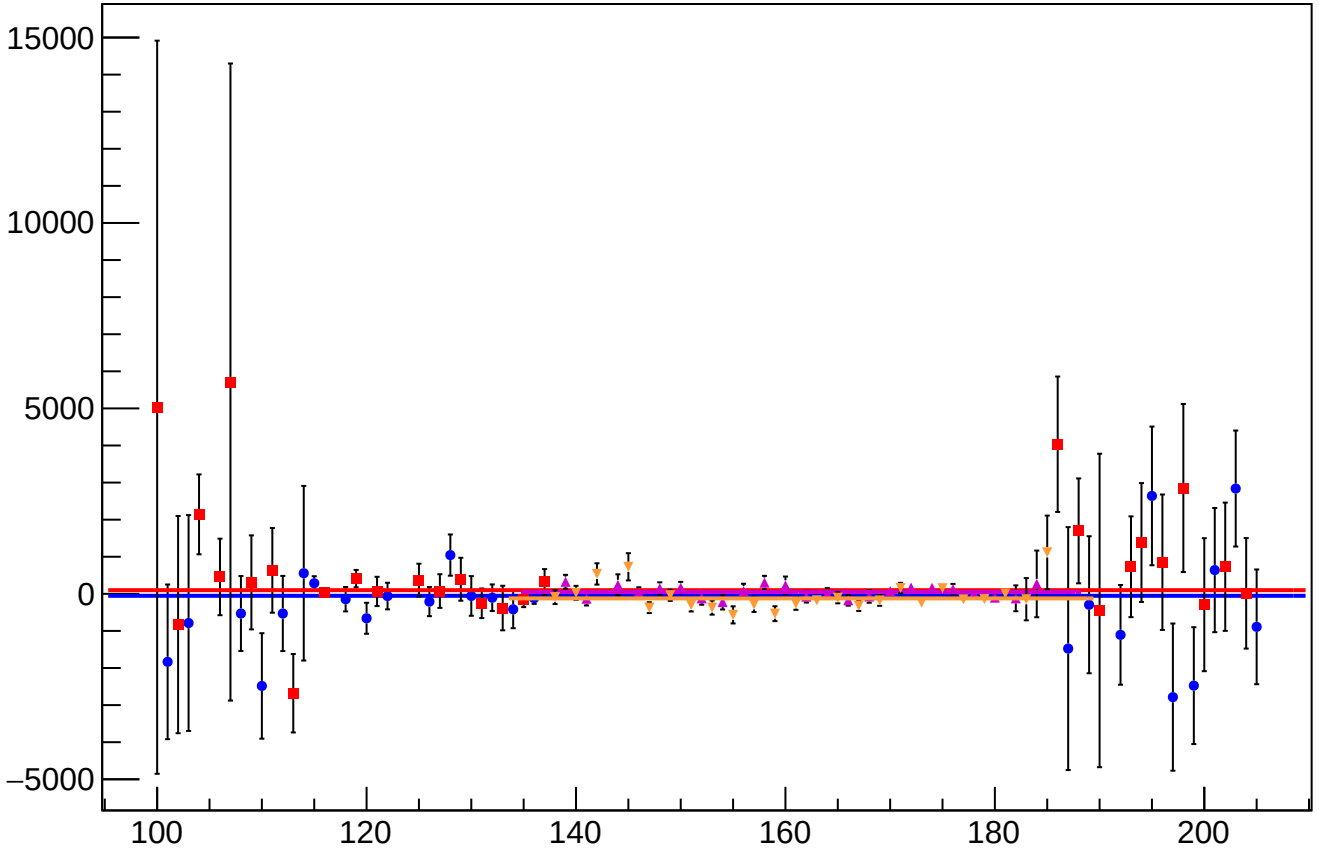
Right: 2242.136+/-0.296 χ^2/NDF: 730665.8/52

In: 2203.006+/-0.275 χ^2/NDF:551726.8/47

Out: 2209.022+/-0.270 χ^2/NDF:206731.5/51

All: 2206.062+/-0.193 χ^2/NDF: 758702.1/99

asym_us_dd_at1lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -52.924+/-89.784 χ^2/NDF: 25.4/24

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: 98.680+/-81.455 χ^2/NDF: 26.4/27

Left In: 50.317+/-32.545 χ^2/NDF:18.2/22

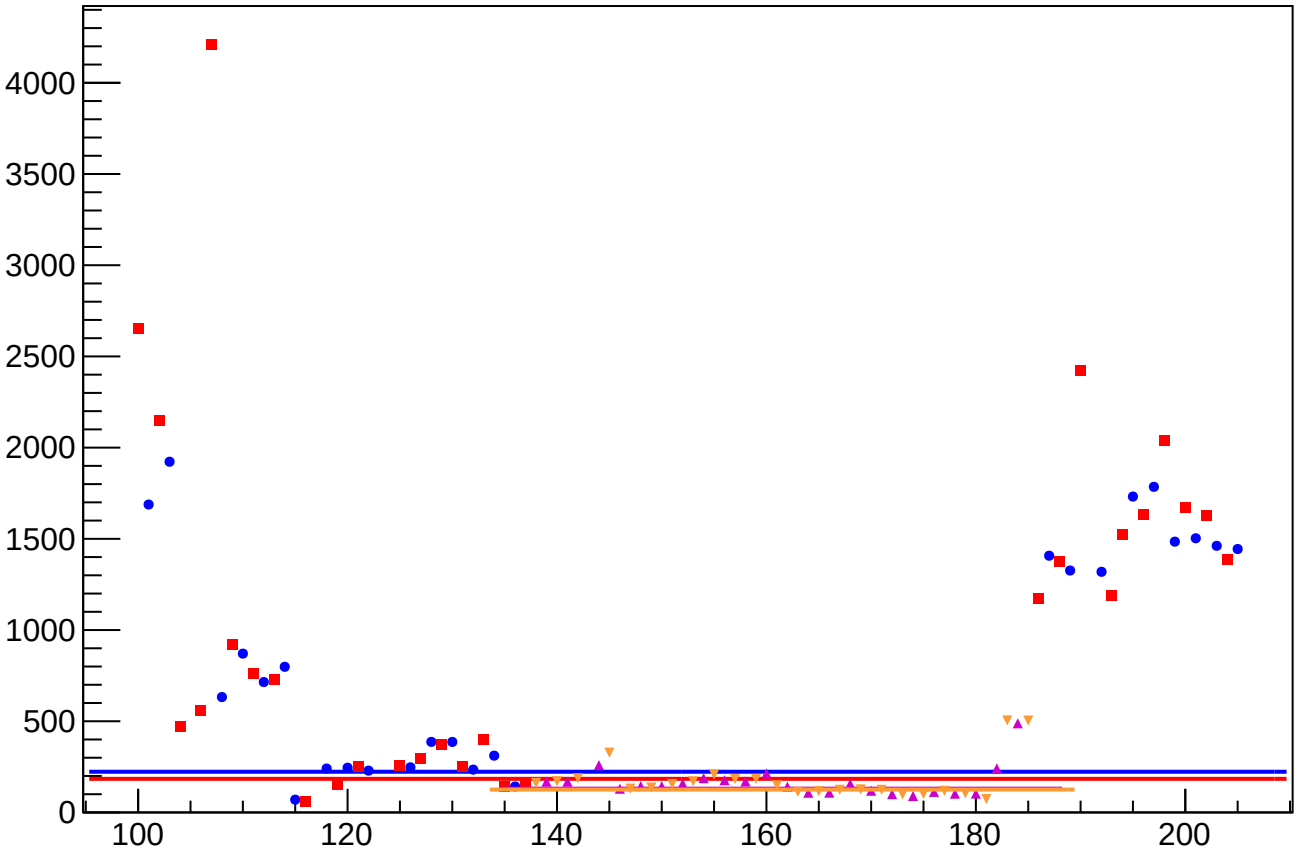
Left: -39.426+/-22.600 χ^2/NDF: 76.7/46

Right: 30.235+/-60.328 χ^2/NDF: 53.3/52

In: 38.327+/-30.597 χ^2/NDF:44.8/47

Out: -94.314+/-29.305 χ^2/NDF:76.6/51

All: -30.853+/-21.164 χ^2/NDF: 131.2/99



Right In: 223.193+/-0.063 χ^2/NDF: 15103920.1/24

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 184.309+/-0.058 χ^2/NDF: 18143615.2/27

Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

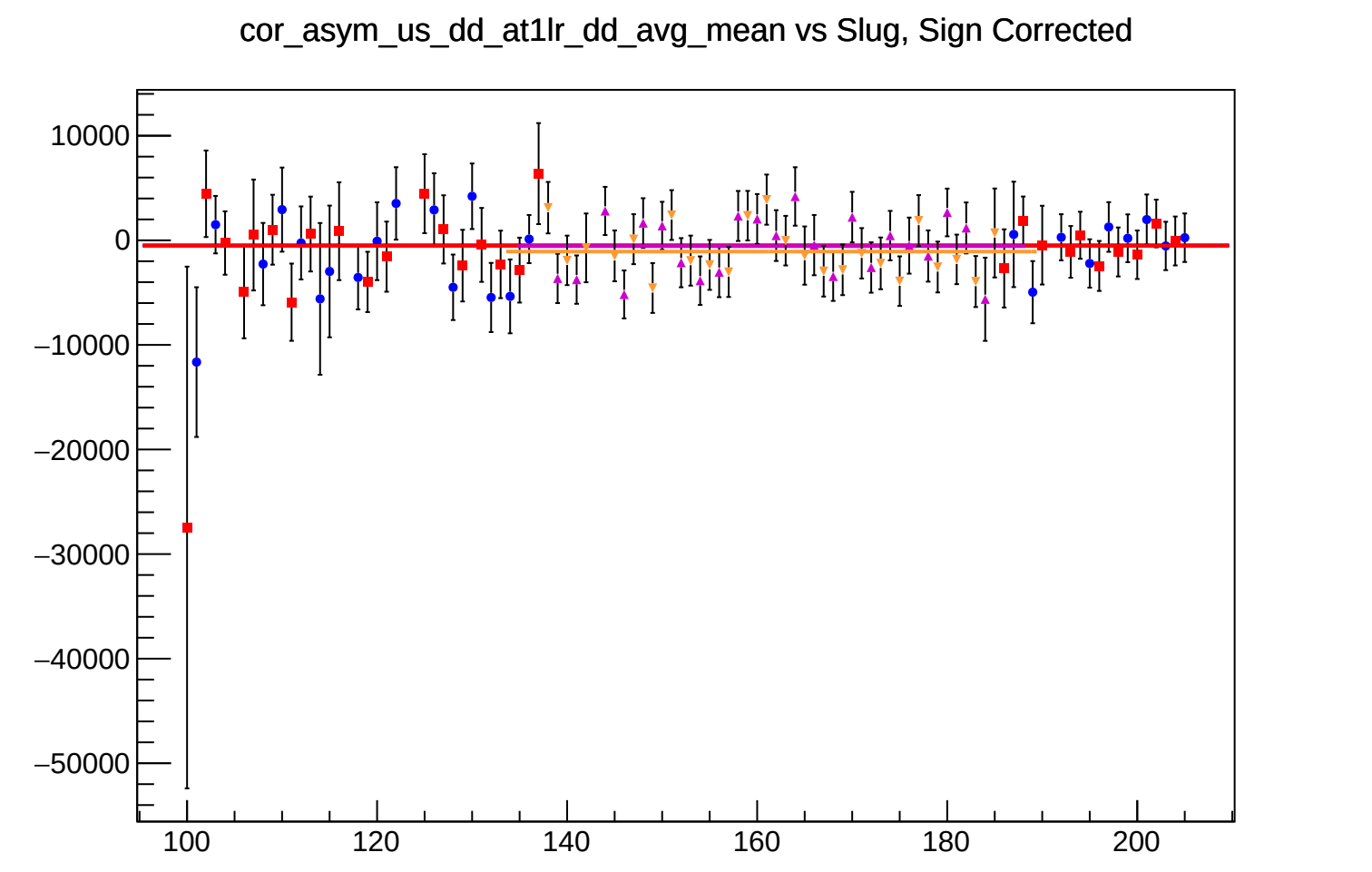
Left: 127.884+/-0.016 χ^2/NDF: 6646201.0/46

Right: 201.864+/-0.043 χ^2/NDF: 33453298.4/52

In: 141.208+/-0.022 χ^2/NDF:19670346.0/47

Out: 133.117+/-0.021 χ^2/NDF:22993741.7/51

All: 136.988+/-0.015 χ^2/NDF: 42737031.3/99



Right In: -479.291+/-600.414 χ^2/NDF: 20.7/24

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -529.378+/-584.292 χ^2/NDF: 16.3/27

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

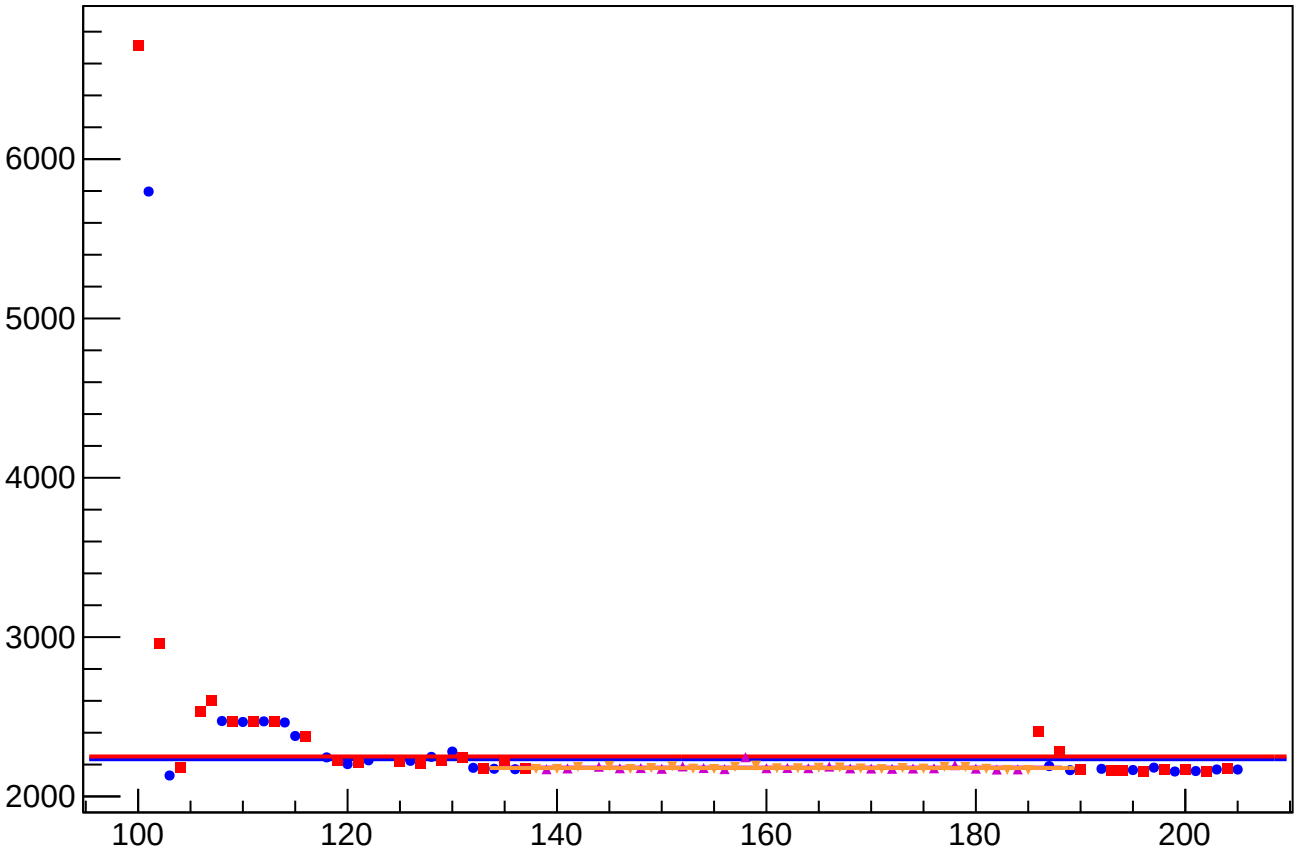
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -505.016+/-418.741 χ^2/NDF: 37.0/52

In: -524.536+/-388.351 χ^2/NDF:49.5/47

Out: -840.153+/-382.303 χ^2/NDF:38.3/51

All: -684.821+/-272.442 χ^2/NDF: 88.1/99



Right In: 2233.715+/-0.425 χ^2/NDF: 540866.2/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2250.807+/-0.413 χ^2/NDF: 191452.8/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

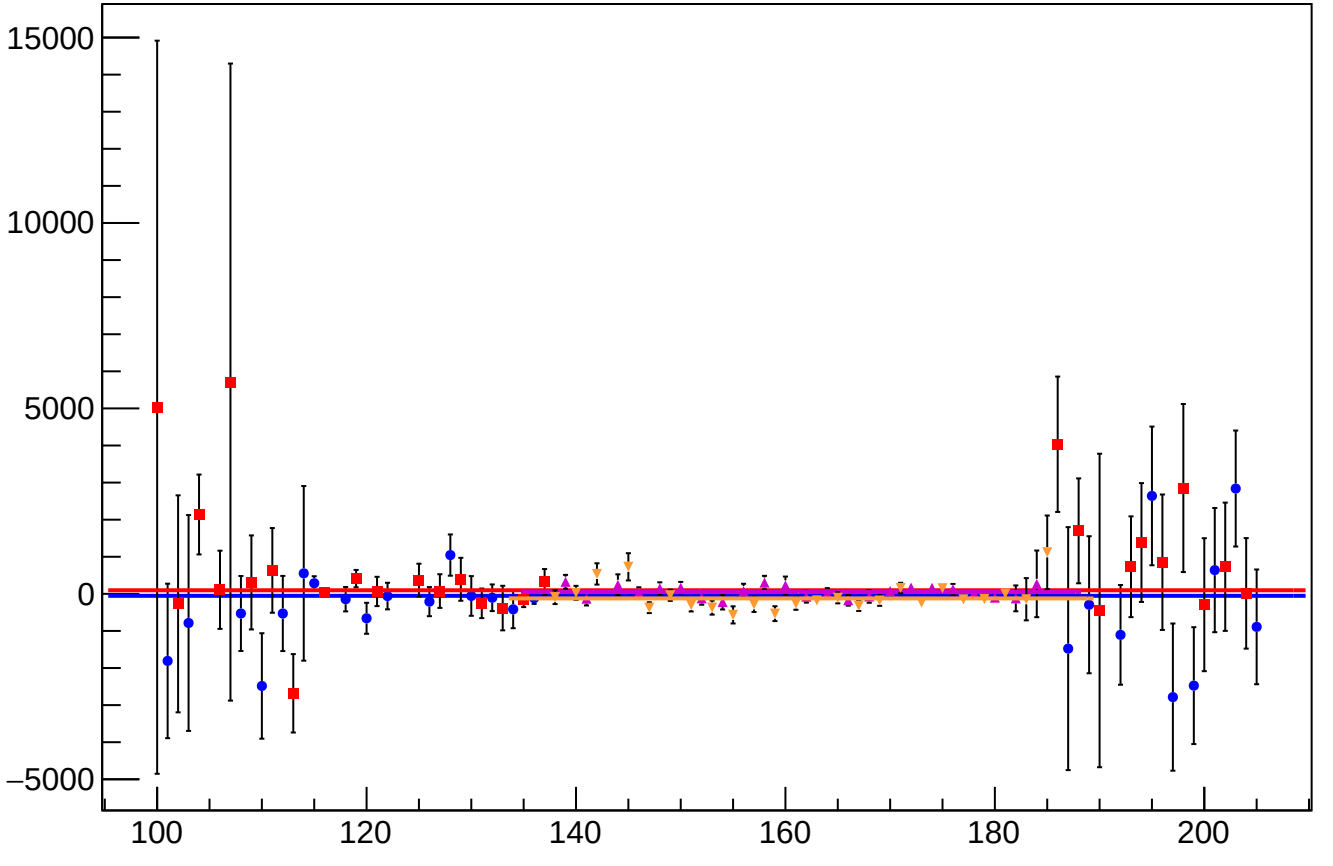
Right: 2242.493+/-0.296 χ^2/NDF: 733151.4/52

In: 2203.006+/-0.275 χ^2/NDF:551727.1/47

Out: 2209.309+/-0.270 χ^2/NDF:209482.4/51

All: 2206.207+/-0.193 χ^2/NDF: 761477.0/99

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -52.957+/-89.789 χ^2/NDF: 25.4/24

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.689+/-81.396 χ^2/NDF: 26.2/27

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

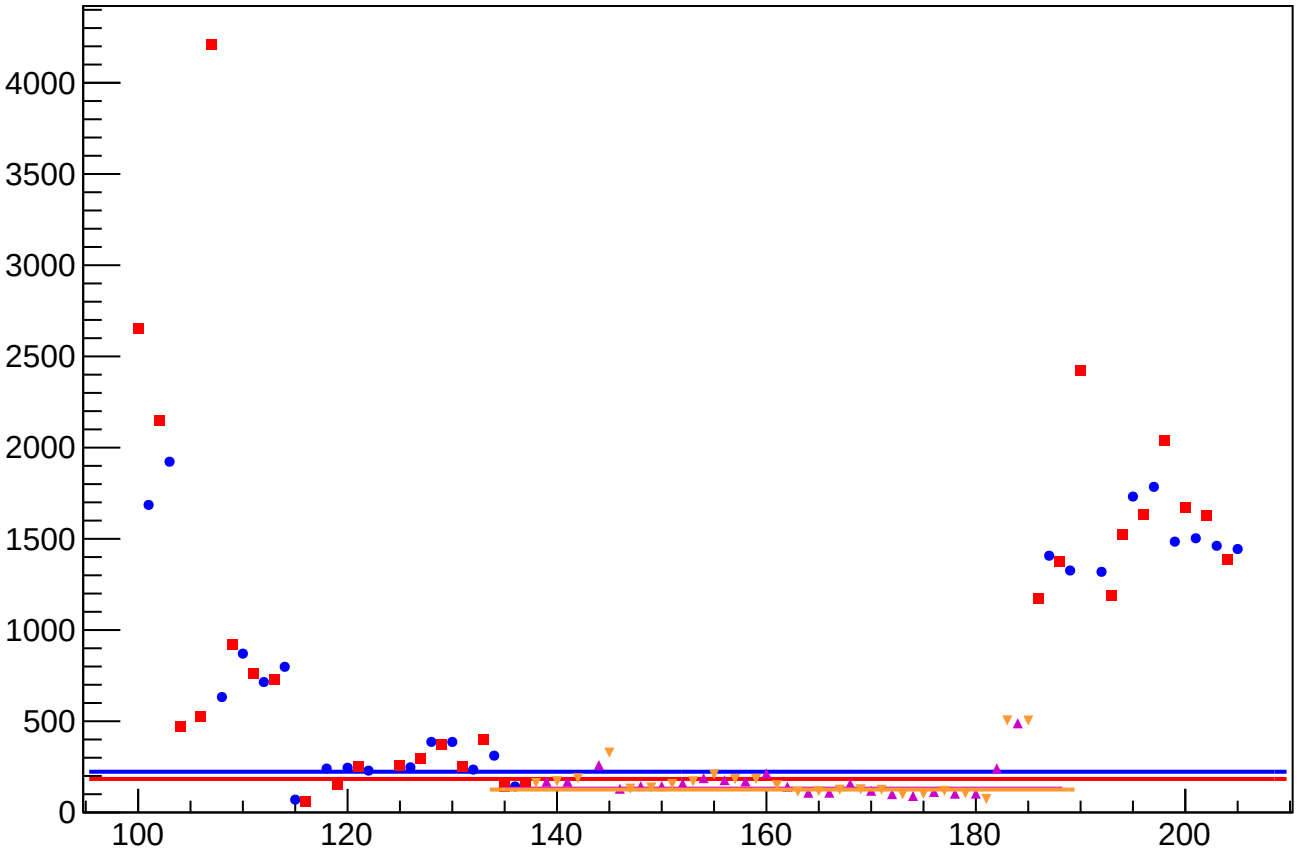
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

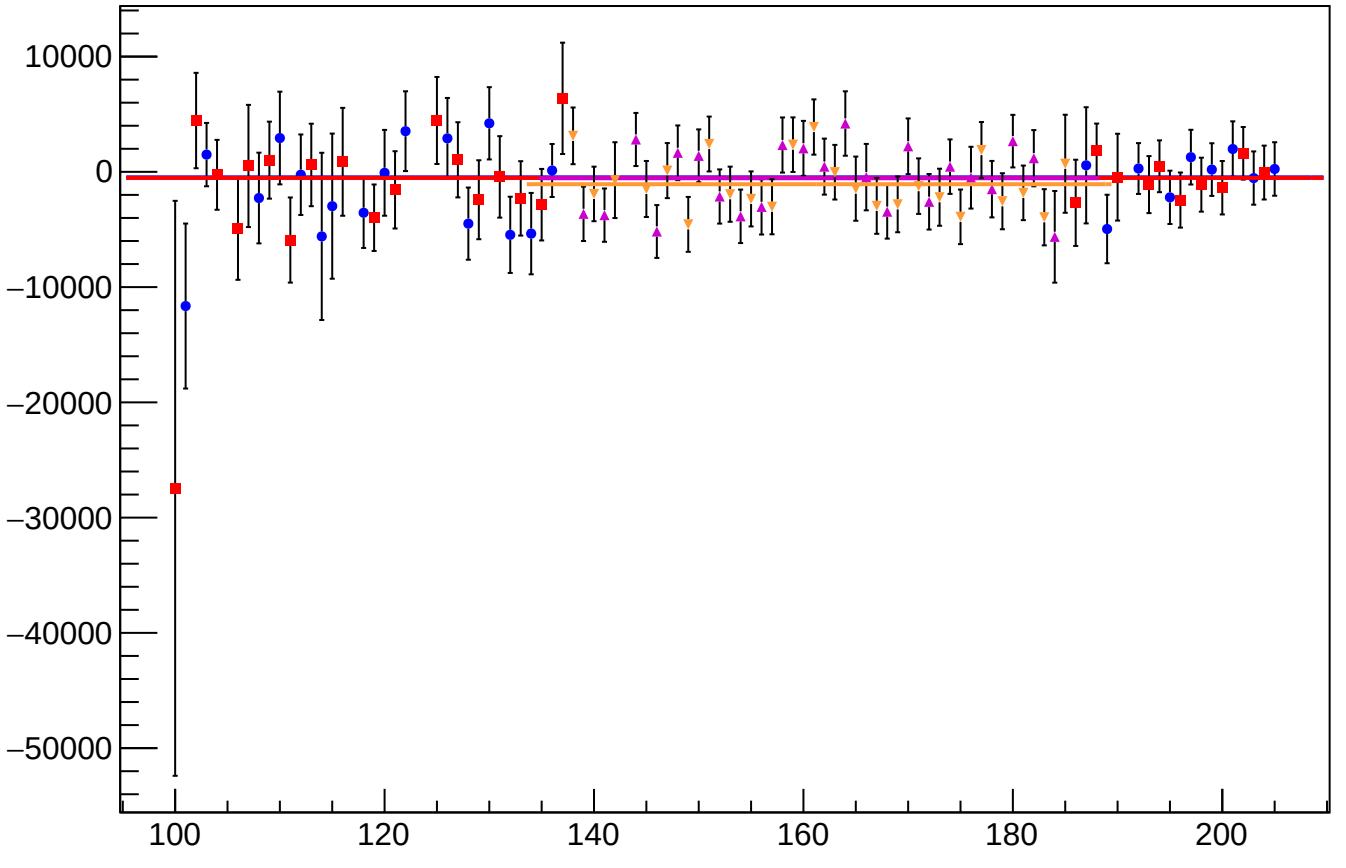
Right: 29.186+/-60.305 χ^2/NDF: 53.1/52

In: 38.228+/-30.600 χ^2/NDF:44.8/47

Out: -94.466+/-29.302 χ^2/NDF:76.3/51

All: -30.992+/-21.164 χ^2/NDF: 130.9/99


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 223.221+/-0.063 χ²/NDF: 15102399.1/24
Left Out: 125.503+/-0.022 χ²/NDF:3943570.9/23
Right Out: 183.723+/-0.058 χ²/NDF: 18108040.8/27
Left In: 130.451+/-0.023 χ²/NDF:2679365.4/22
Left: 127.889+/-0.016 χ²/NDF: 6646874.7/46
Right: 201.540+/-0.043 χ²/NDF: 33422878.4/52
In: 141.225+/-0.022 χ²/NDF:19668775.8/47
Out: 133.048+/-0.021 χ²/NDF:22942236.1/51
All: 136.959+/-0.015 χ²/NDF: 42685523.0/99



Right In: -479.291+/-600.414 χ^2/NDF: 20.7/24

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: -529.378+/-584.292 χ^2/NDF: 16.3/27

Left In: -557.079+/-509.208 χ^2/NDF:28.7/22

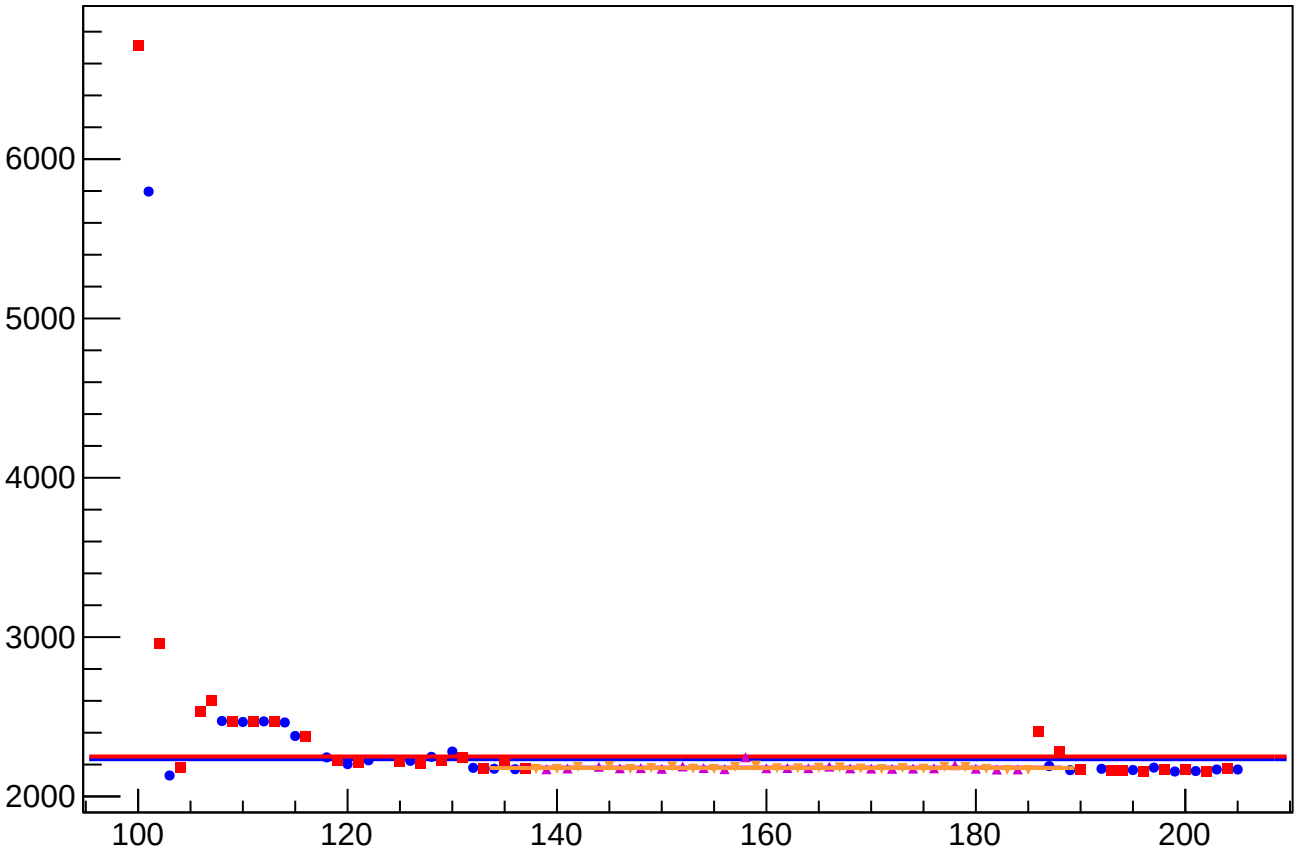
Left: -816.804+/-358.759 χ^2/NDF: 50.8/46

Right: -505.016+/-418.741 χ^2/NDF: 37.0/52

In: -524.536+/-388.351 χ^2/NDF:49.5/47

Out: -840.153+/-382.303 χ^2/NDF:38.3/51

All: -684.821+/-272.442 χ^2/NDF: 88.1/99



Right In: 2233.715+/-0.425 χ^2/NDF: 540866.2/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

Right Out: 2250.807+/-0.413 χ^2/NDF: 191452.8/27

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

Left: 2179.572+/-0.254 χ^2/NDF: 2283.1/46

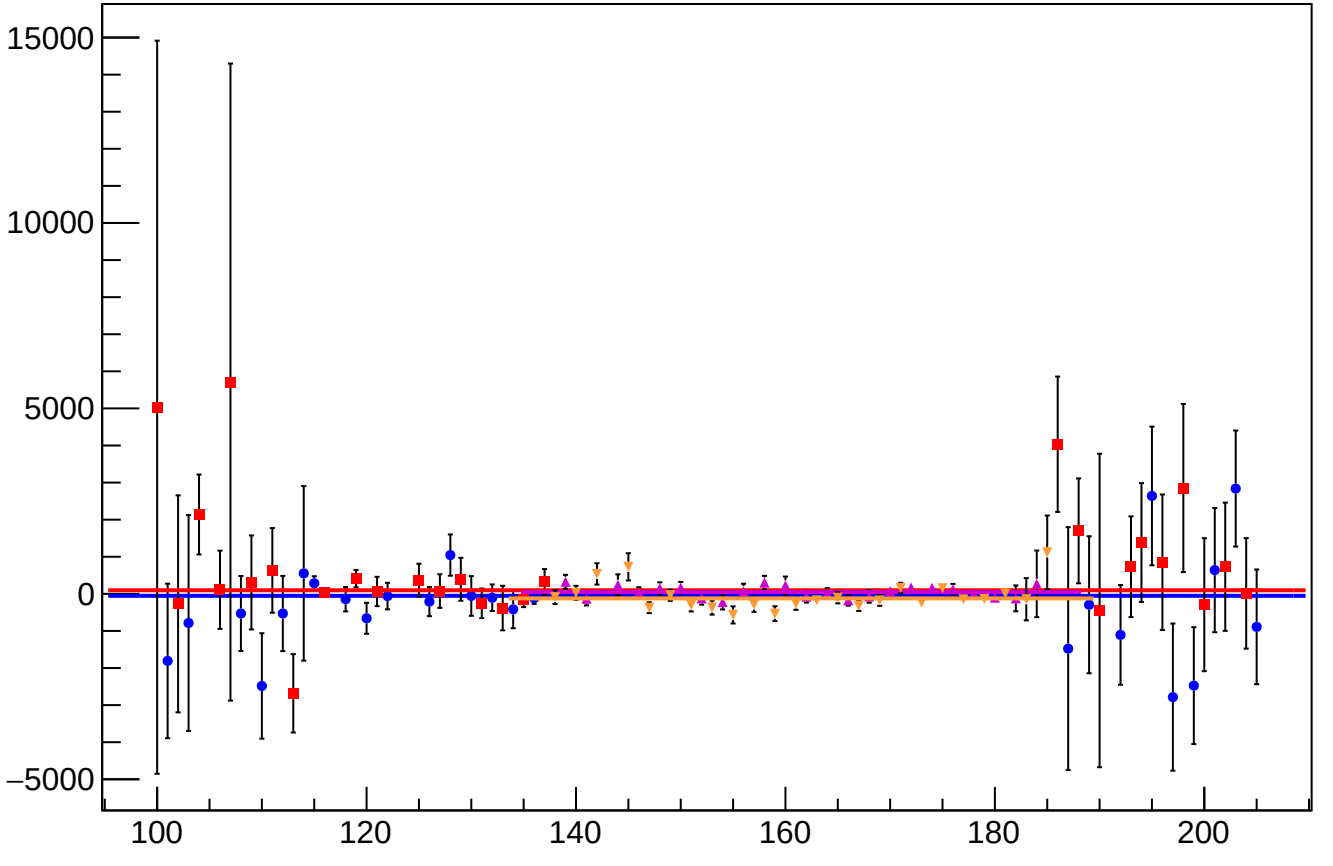
Right: 2242.493+/-0.296 χ^2/NDF: 733151.4/52

In: 2203.006+/-0.275 χ^2/NDF:551727.1/47

Out: 2209.309+/-0.270 χ^2/NDF:209482.4/51

All: 2206.207+/-0.193 χ^2/NDF: 761477.0/99

asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -52.957+/-89.789 χ^2/NDF: 25.4/24

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

Right Out: 96.689+/-81.396 χ^2/NDF: 26.2/27

Left In: 50.209+/-32.548 χ^2/NDF:18.3/22

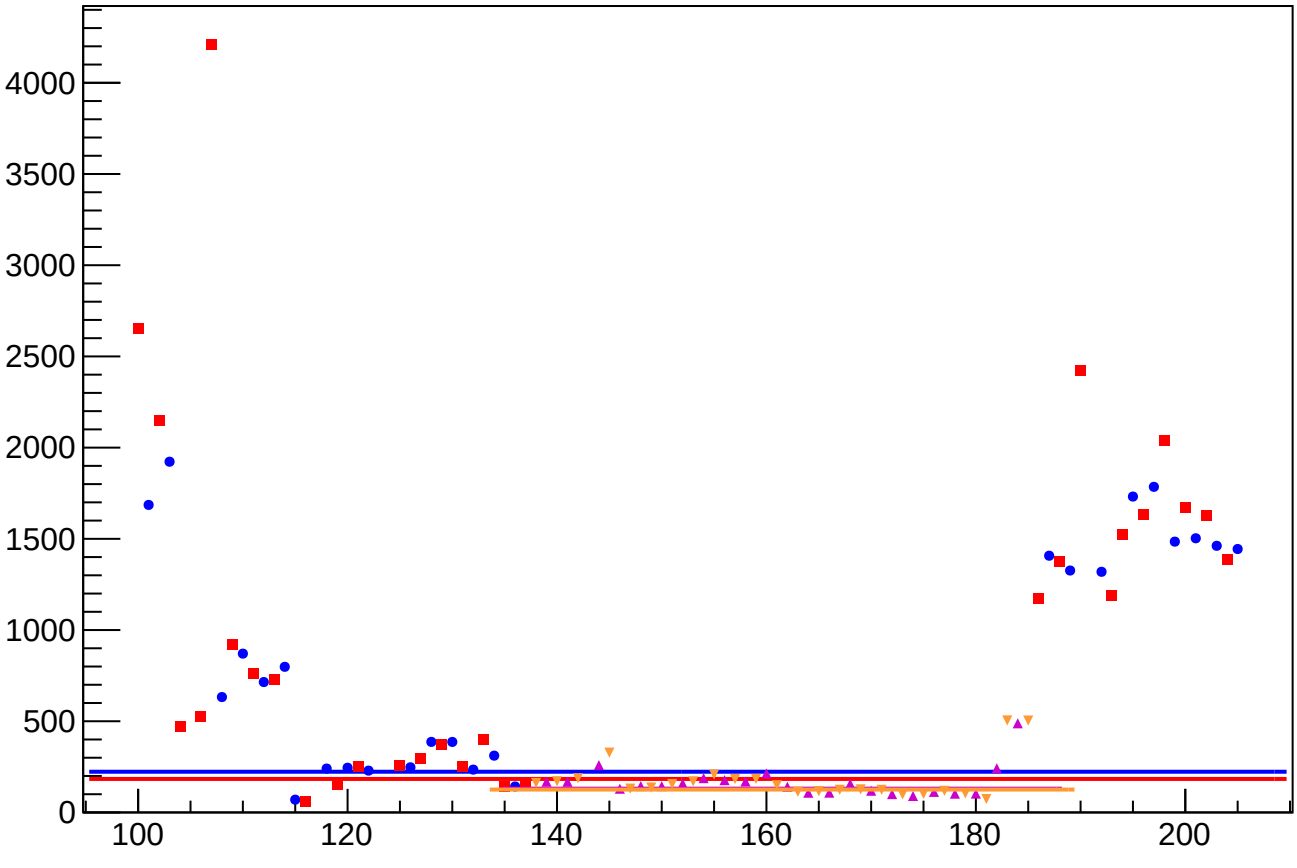
Left: -39.445+/-22.601 χ^2/NDF: 76.7/46

Right: 29.186+/-60.305 χ^2/NDF: 53.1/52

In: 38.228+/-30.600 χ^2/NDF:44.8/47

Out: -94.466+/-29.302 χ^2/NDF:76.3/51

All: -30.992+/-21.164 χ^2/NDF: 130.9/99



Right In: 223.221+/-0.063 χ^2/NDF: 15102399.1/24

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 183.723+/-0.058 χ^2/NDF: 18108040.8/27

Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

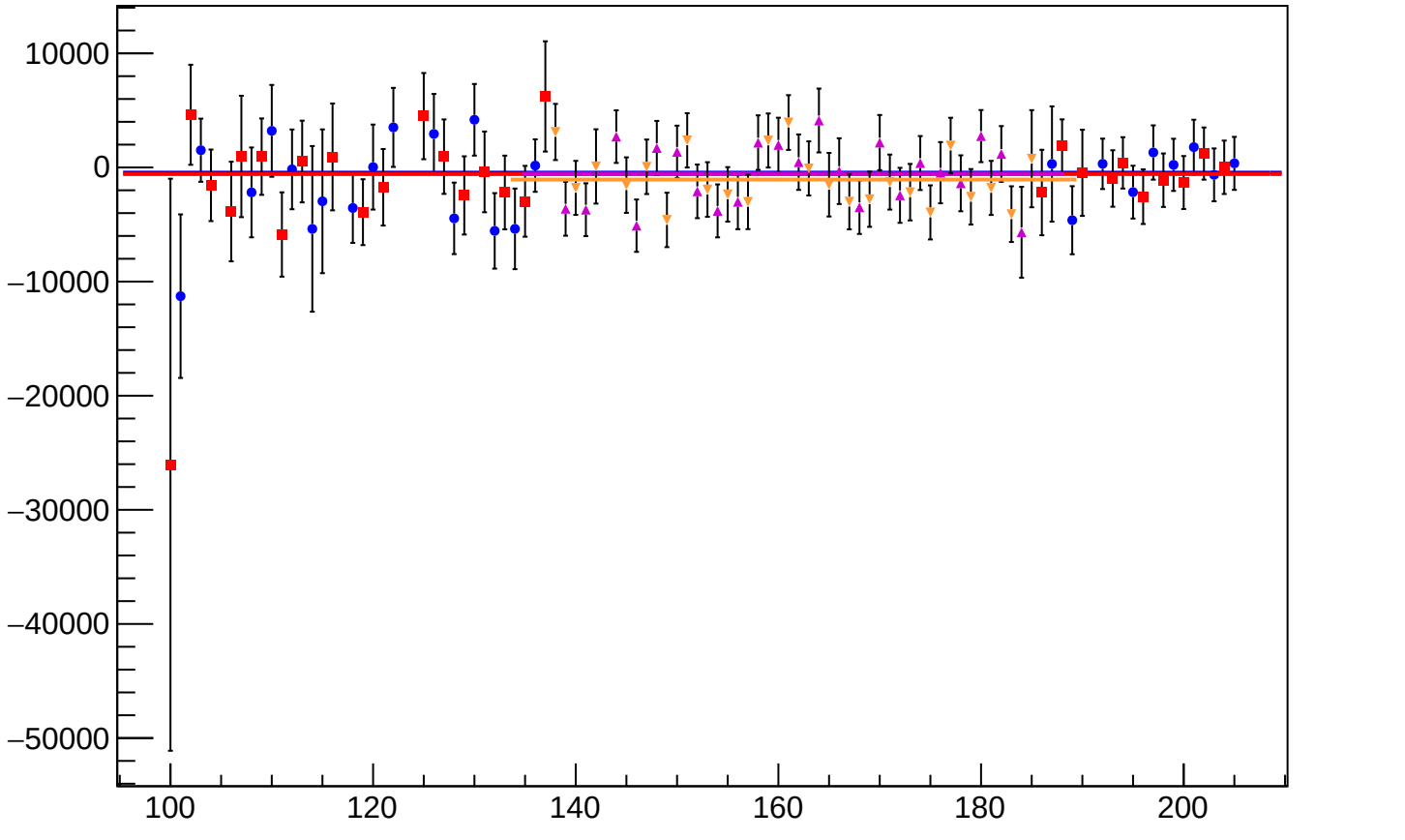
Left: 127.889+/-0.016 χ^2/NDF: 6646874.7/46

Right: 201.540+/-0.043 χ^2/NDF: 33422878.4/52

In: 141.225+/-0.022 χ^2/NDF:19668775.8/47

Out: 133.048+/-0.021 χ^2/NDF:22942236.1/51

All: 136.959+/-0.015 χ^2/NDF: 42685523.0/99



Right In: -454.139+/-601.128 χ^2/NDF: 20.2/24

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: -578.974+/-585.965 χ^2/NDF: 15.3/27

Left In: -544.260+/-509.433 χ^2/NDF:27.9/22

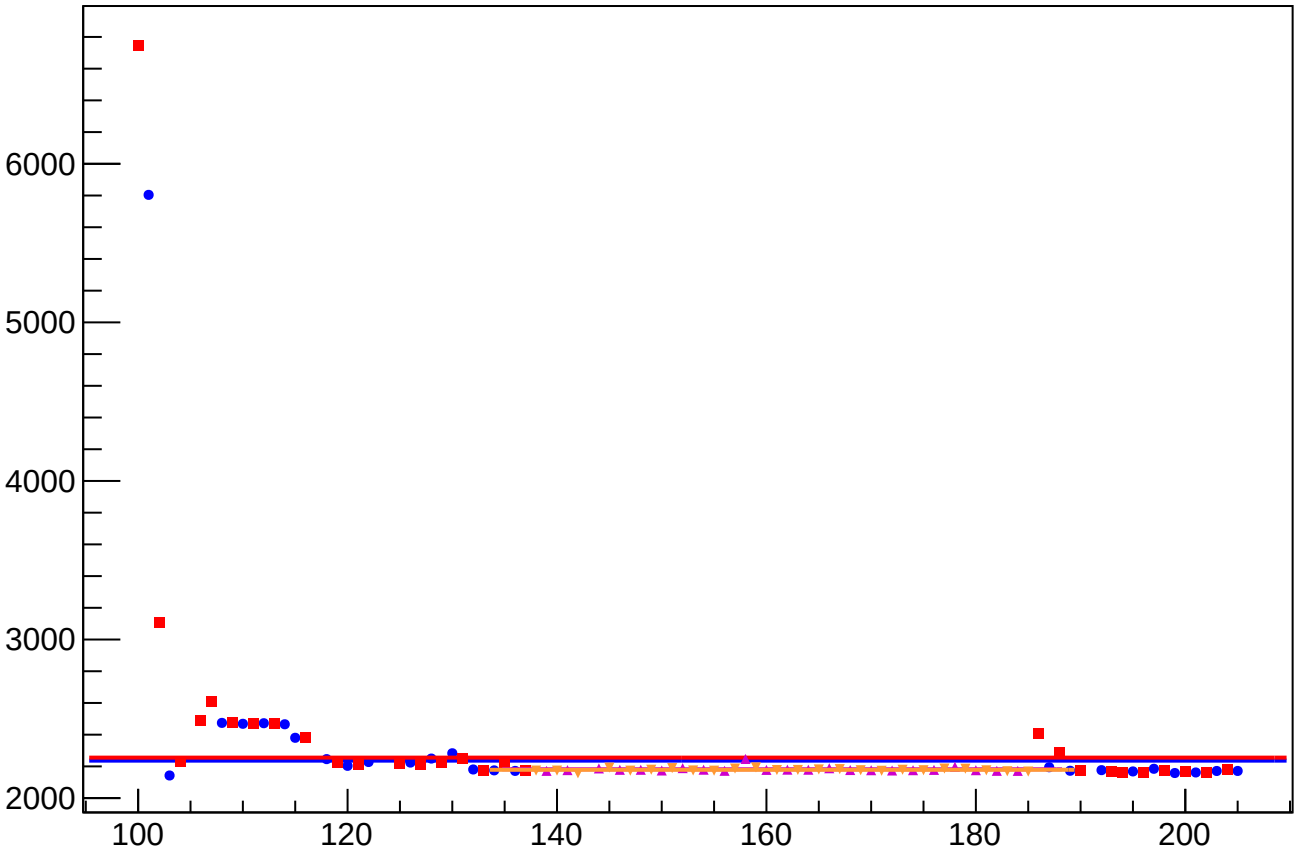
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -518.150+/-419.598 χ^2/NDF: 35.5/52

In: -506.590+/-388.643 χ^2/NDF:48.1/47

Out: -856.058+/-382.810 χ^2/NDF:37.6/51

All: -683.966+/-272.727 χ^2/NDF: 86.1/99



Right In: 2236.260+/-0.425 χ^2/NDF: 540116.1/24

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2255.271+/-0.414 χ^2/NDF: 206811.2/27

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

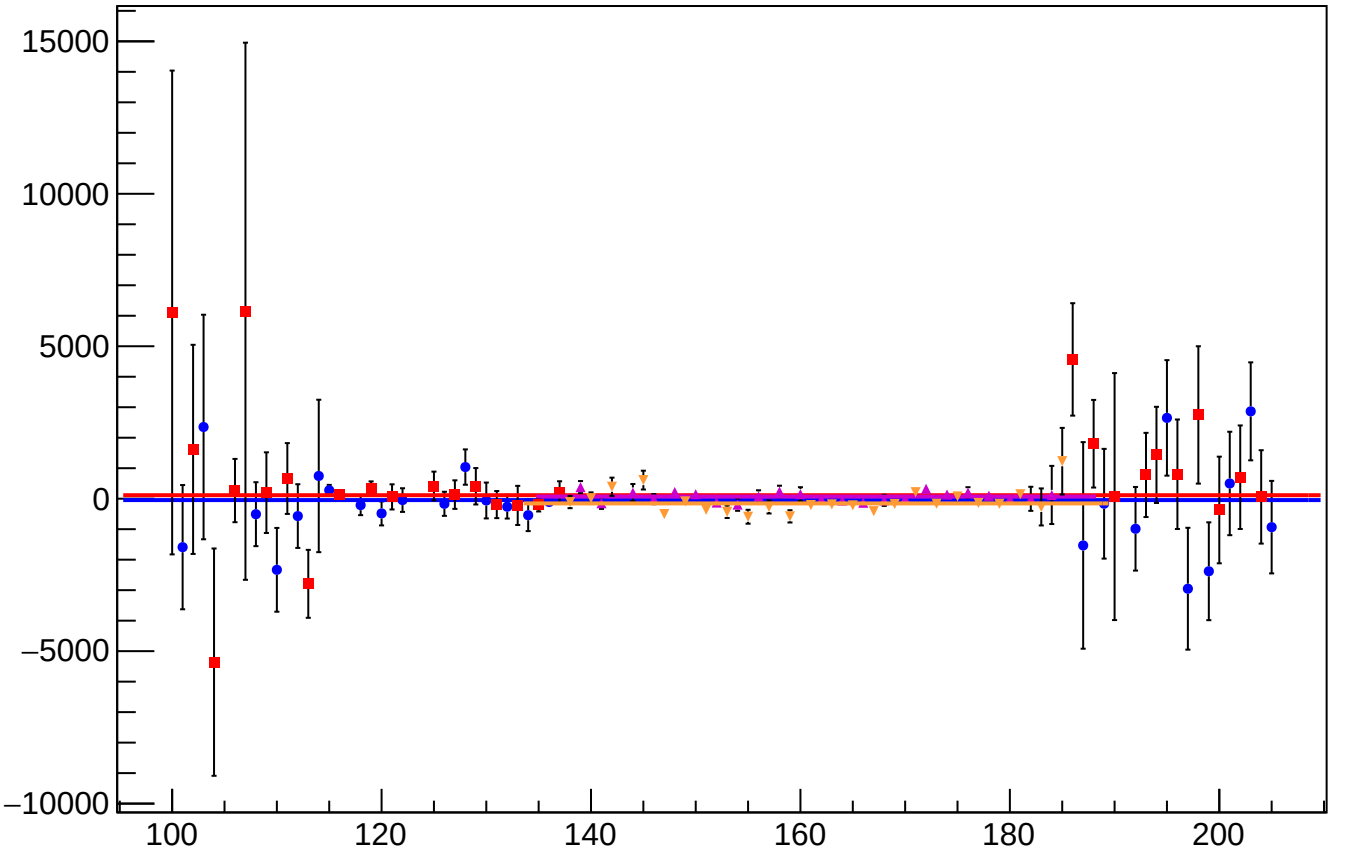
Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

Right: 2246.009+/-0.297 χ^2/NDF: 747953.1/52

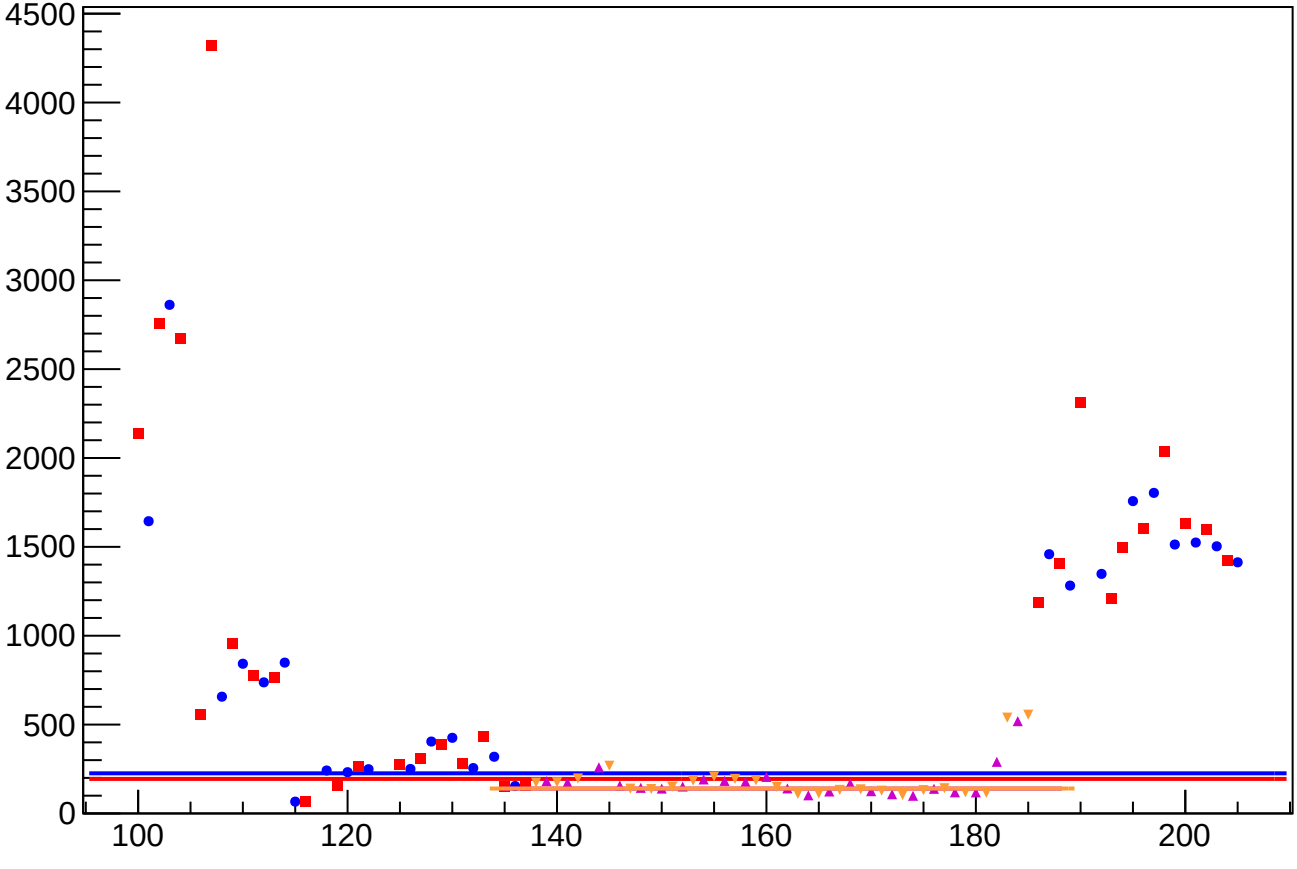
In: 2204.612+/-0.275 χ^2/NDF:551479.5/47

Out: 2211.268+/-0.271 χ^2/NDF:226944.2/51

All: 2207.990+/-0.193 χ^2/NDF: 778721.4/99


asym_us_dd_at1lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -45.407+/-91.242 χ²/NDF: 24.7/24
Left Out: -154.725+/-34.061 χ²/NDF:47.3/23
Right Out: 114.252+/-85.031 χ²/NDF: 24.9/27
Left In: 70.142+/-34.204 χ²/NDF:18.9/22
Left: -42.765+/-24.135 χ²/NDF: 87.9/46
Right: 40.041+/-62.206 χ²/NDF: 51.3/52
In: 55.904+/-32.028 χ²/NDF:45.1/47
Out: -117.534+/-31.618 χ²/NDF:80.9/51
All: -31.931+/-22.501 χ²/NDF: 140.8/99

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.826+/-0.065 χ^2/NDF: 15661768.2/24

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

Right Out: 194.316+/-0.060 χ^2/NDF: 18919748.6/27

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

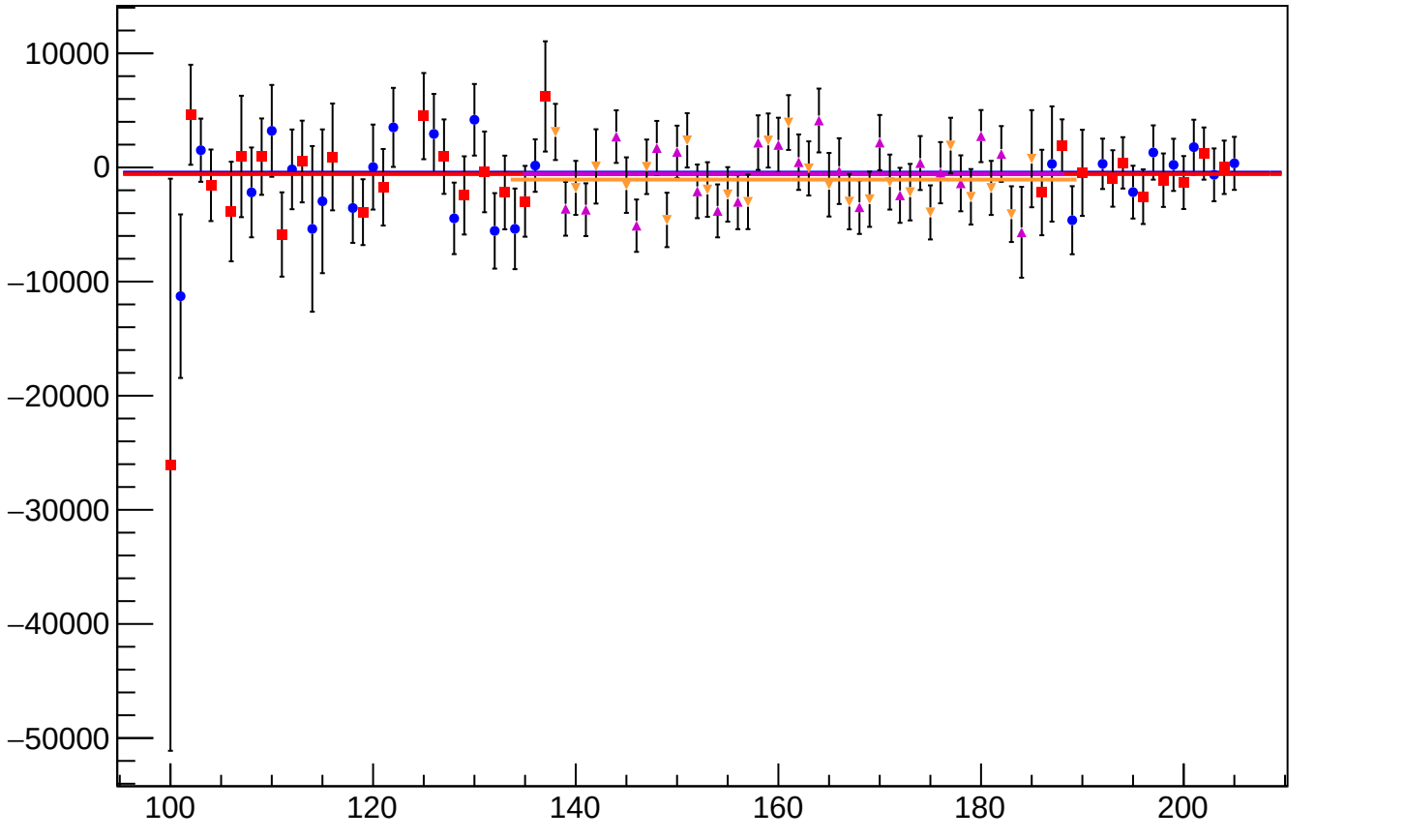
Left: 140.149+/-0.017 χ^2/NDF: 5172838.7/46

Right: 208.962+/-0.044 χ^2/NDF: 34709174.8/52

In: 150.556+/-0.023 χ^2/NDF:19626562.8/47

Out: 147.785+/-0.022 χ^2/NDF:22375033.4/51

All: 149.153+/-0.016 χ^2/NDF: 42009181.3/99



Right In: -454.139+/-601.128 χ^2/NDF: 20.2/24

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: -578.972+/-585.965 χ^2/NDF: 15.3/27

Left In: -544.259+/-509.433 χ^2/NDF:27.9/22

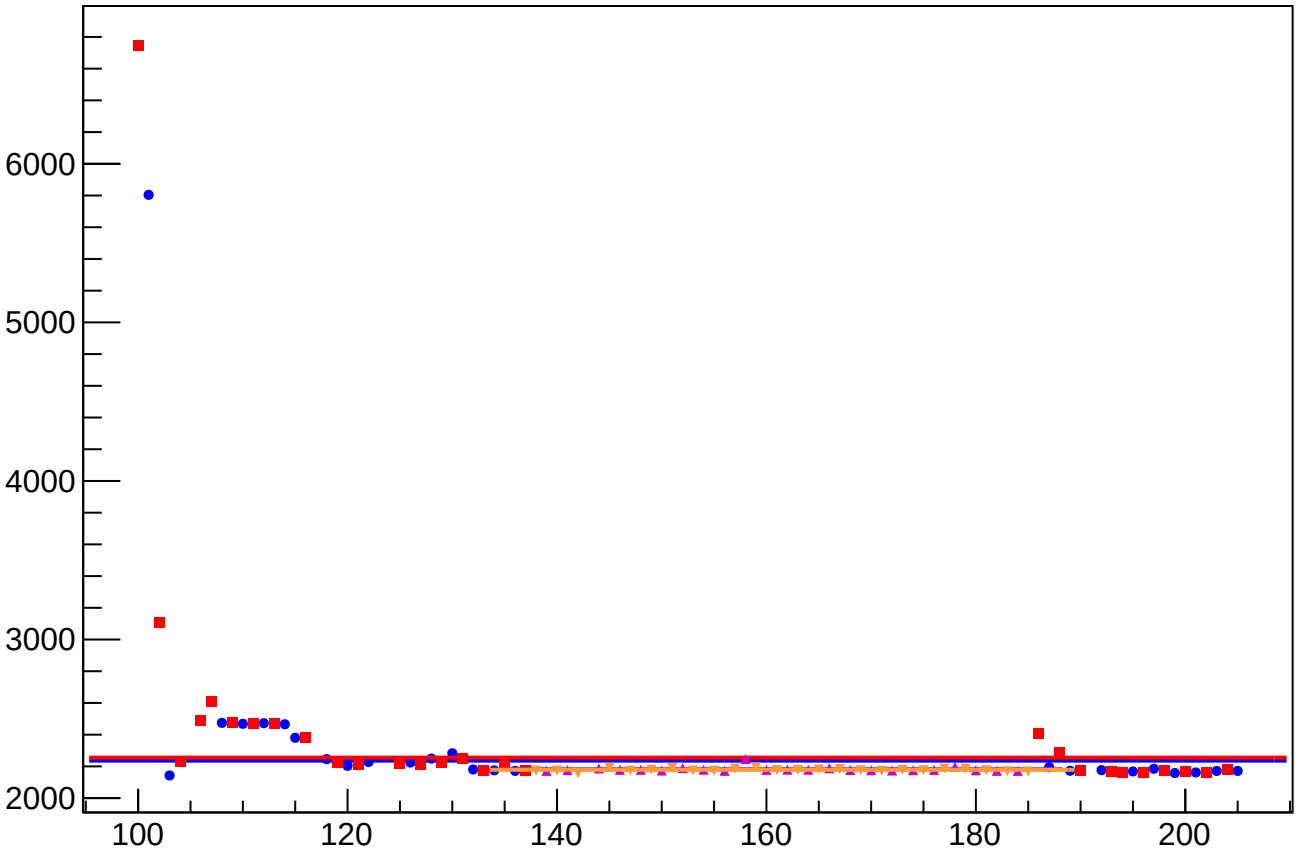
Left: -805.259+/-358.870 χ^2/NDF: 50.3/46

Right: -518.150+/-419.598 χ^2/NDF: 35.5/52

In: -506.590+/-388.643 χ^2/NDF:48.1/47

Out: -856.058+/-382.810 χ^2/NDF:37.6/51

All: -683.966+/-272.727 χ^2/NDF: 86.1/99



Right In: 2236.260+/-0.425 χ^2/NDF: 540116.2/24

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

Right Out: 2255.271+/-0.414 χ^2/NDF: 206811.1/27

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

Left: 2180.180+/-0.254 χ^2/NDF: 2338.6/46

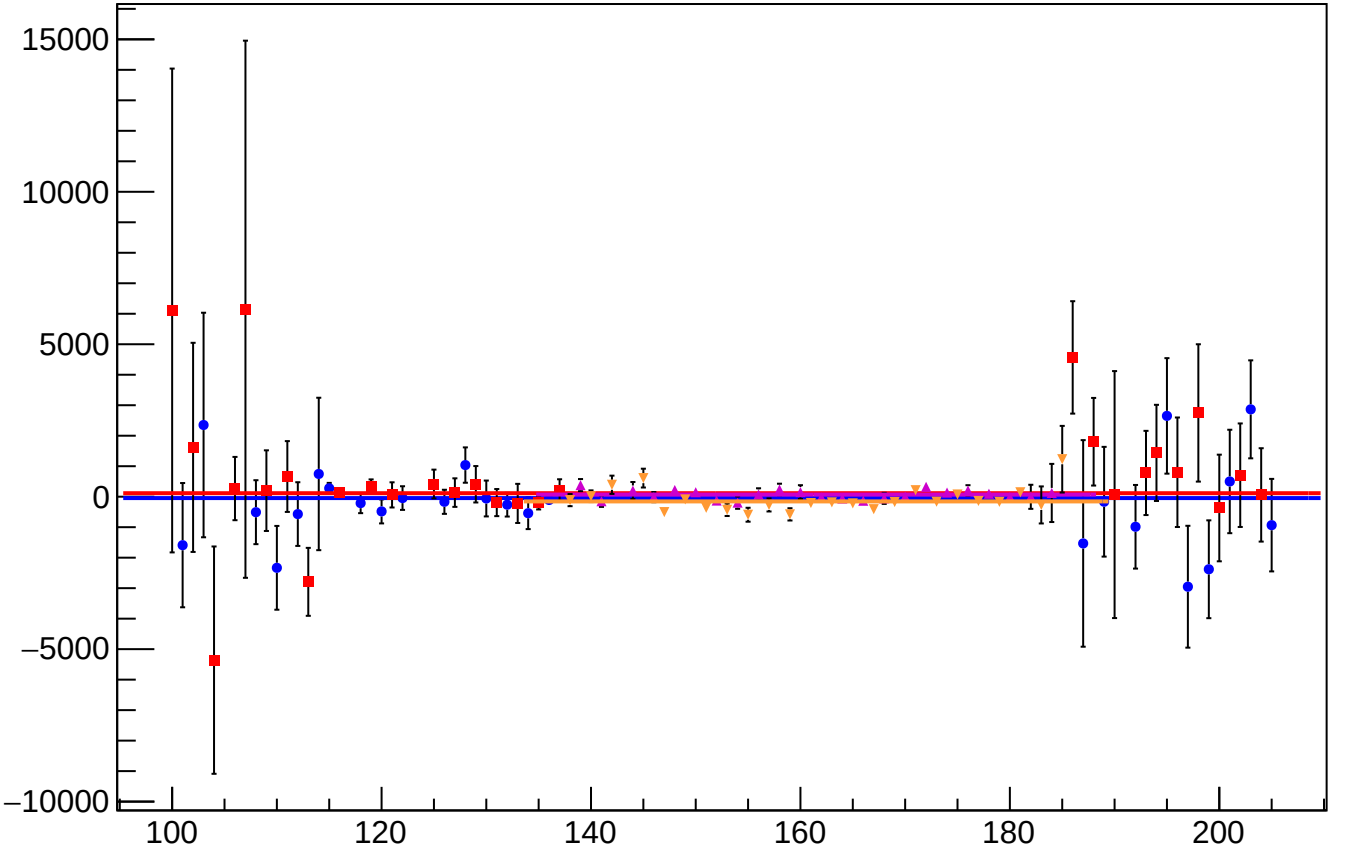
Right: 2246.009+/-0.297 χ^2/NDF: 747953.0/52

In: 2204.612+/-0.275 χ^2/NDF:551479.5/47

Out: 2211.268+/-0.271 χ^2/NDF:226944.1/51

All: 2207.990+/-0.193 χ^2/NDF: 778721.3/99

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -45.404+/-91.241 χ^2/NDF: 24.7/24

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

Right Out: 114.252+/-85.031 χ^2/NDF: 24.9/27

Left In: 70.141+/-34.204 χ^2/NDF:18.9/22

Left: -42.766+/-24.135 χ^2/NDF: 87.9/46

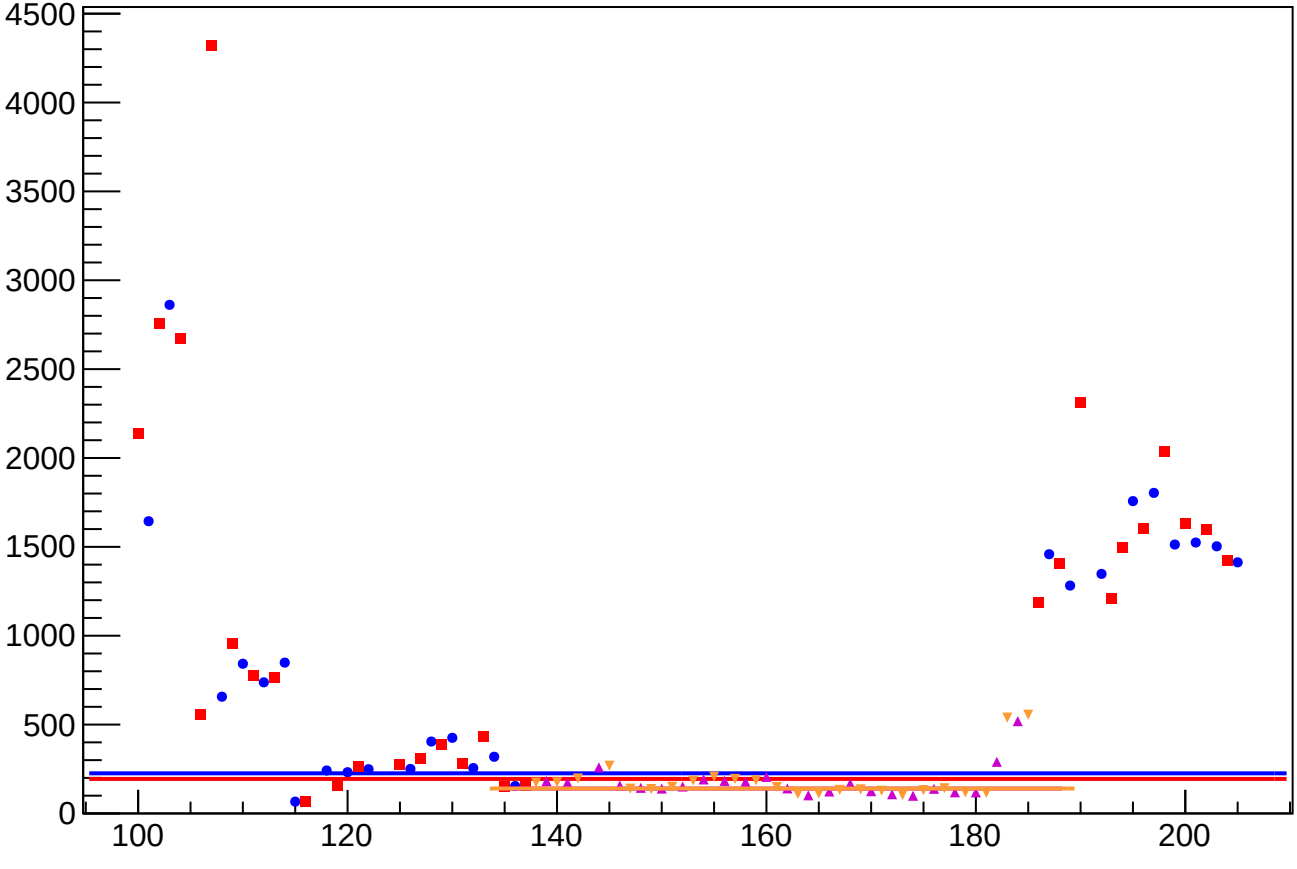
Right: 40.042+/-62.206 χ^2/NDF: 51.3/52

In: 55.903+/-32.028 χ^2/NDF:45.1/47

Out: -117.535+/-31.618 χ^2/NDF:80.9/51

All: -31.931+/-22.501 χ^2/NDF: 140.8/99

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 225.823+/-0.065 χ^2/NDF: 15661850.6/24

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 194.313+/-0.060 χ^2/NDF: 18919855.6/27

Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

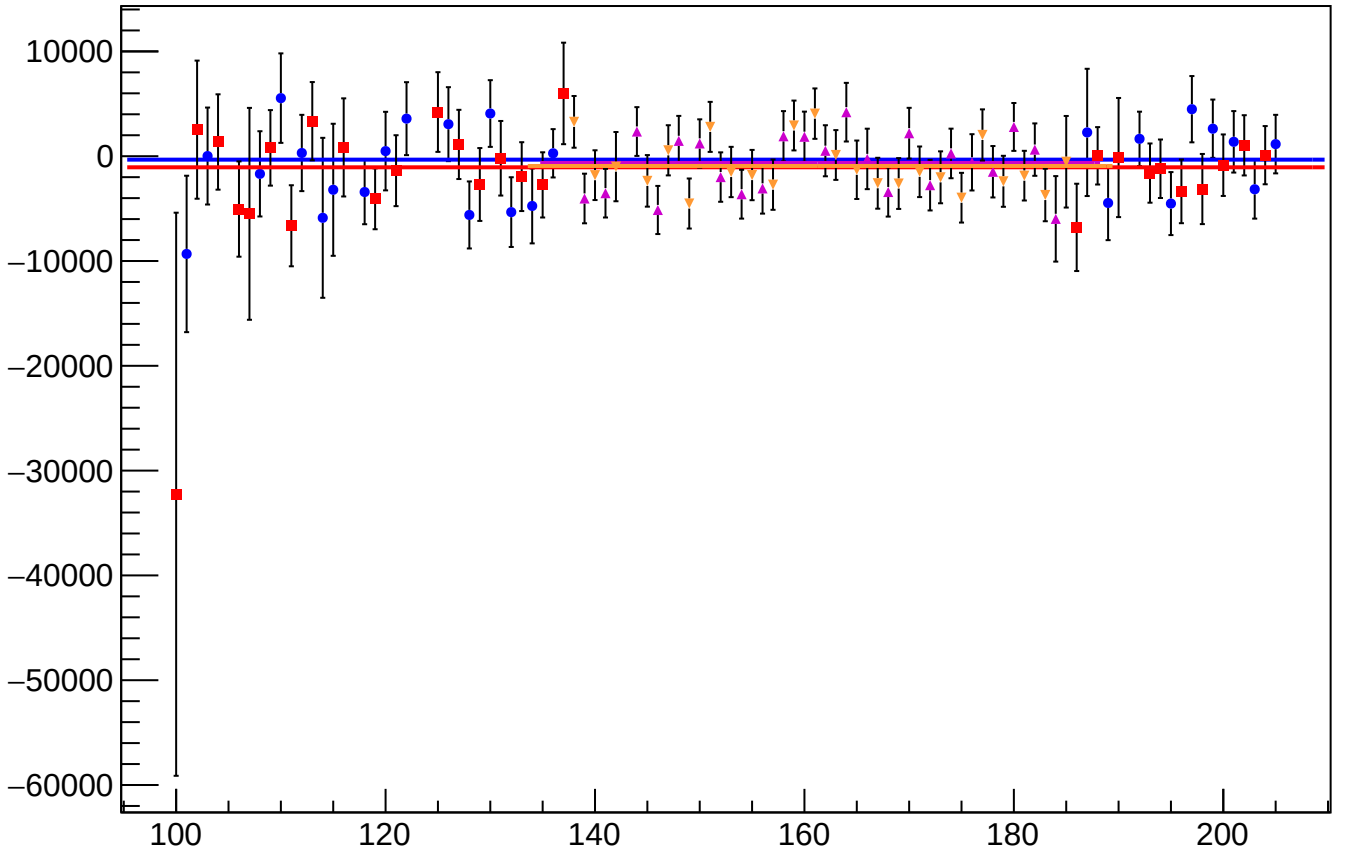
Left: 140.150+/-0.017 χ^2/NDF: 5172889.1/46

Right: 208.959+/-0.044 χ^2/NDF: 34709366.6/52

In: 150.556+/-0.023 χ^2/NDF:19626613.6/47

Out: 147.785+/-0.022 χ^2/NDF:22375064.7/51

All: 149.153+/-0.016 χ^2/NDF: 42009262.9/99



Right In: -329.034+/-680.641 χ^2/NDF: 25.1/24

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: -1059.198+/-674.275 χ^2/NDF: 16.8/27

Left In: -642.773+/-511.372 χ^2/NDF:27.0/22

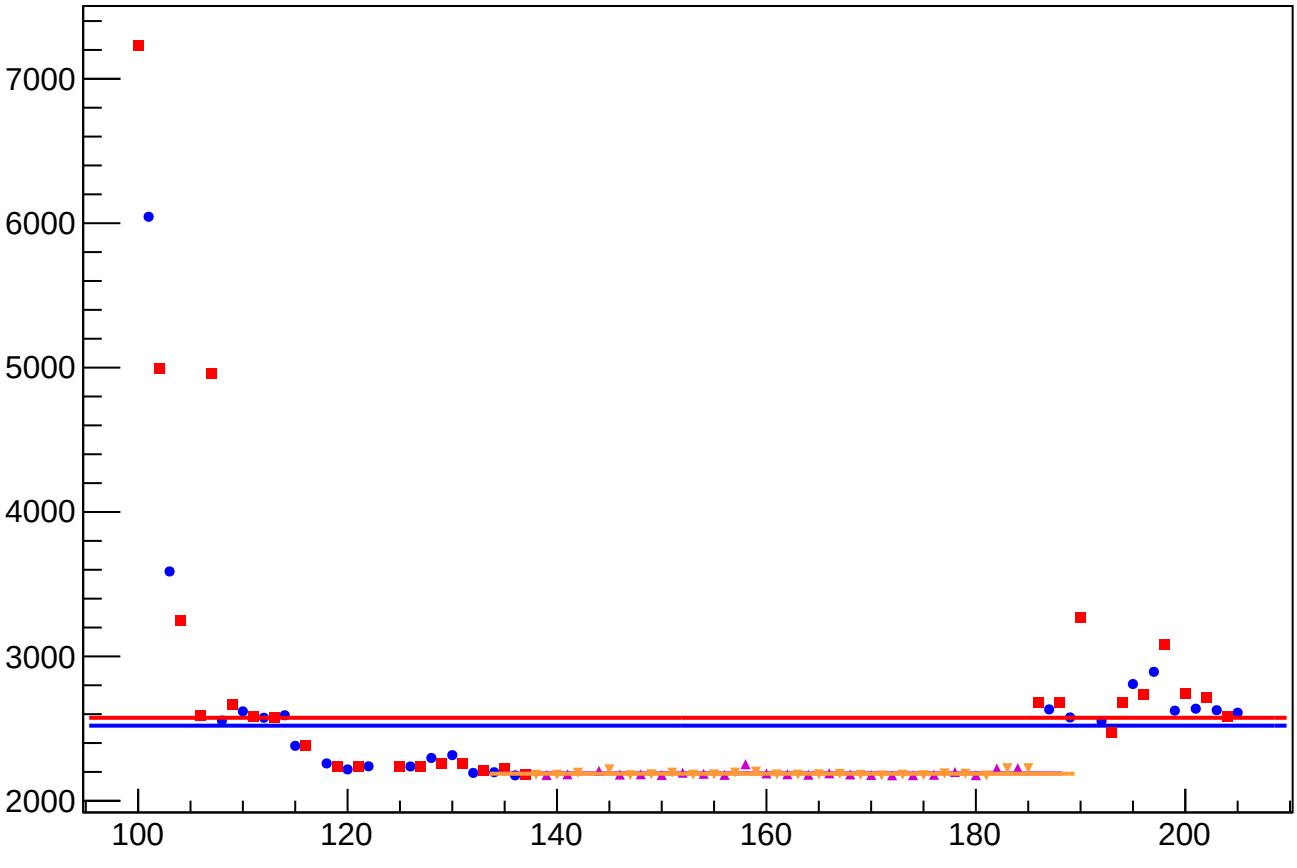
Left: -788.425+/-360.295 χ^2/NDF: 49.6/46

Right: -697.547+/-479.019 χ^2/NDF: 42.5/52

In: -529.575+/-408.841 χ^2/NDF:52.3/47

Out: -978.025+/-405.592 χ^2/NDF:39.2/51

All: -755.589+/-287.939 χ^2/NDF: 92.1/99



Right In: 2520.340+/-0.481 χ^2/NDF: 765873.4/24

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

Right Out: 2574.972+/-0.477 χ^2/NDF: 771846.1/27

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

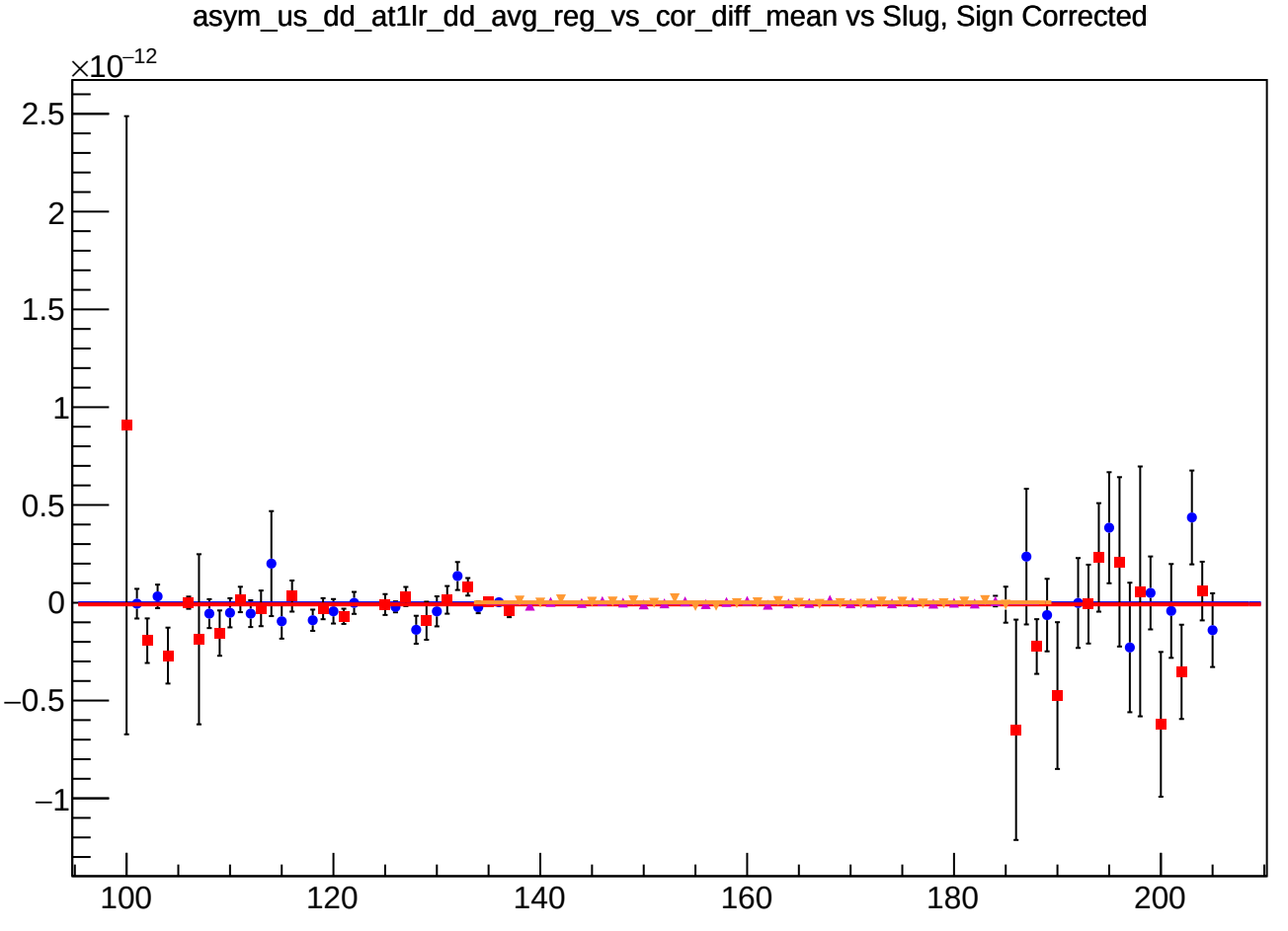
Left: 2188.882+/-0.255 χ^2/NDF: 3909.8/46

Right: 2547.913+/-0.339 χ^2/NDF: 1544222.5/52

In: 2309.292+/-0.289 χ^2/NDF:1069246.2/47

Out: 2327.776+/-0.287 χ^2/NDF:1194404.1/51

All: 2318.608+/-0.204 χ^2/NDF: 2265710.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/27

Left In: -0.000+/-0.000 χ^2/NDF:13.3/22

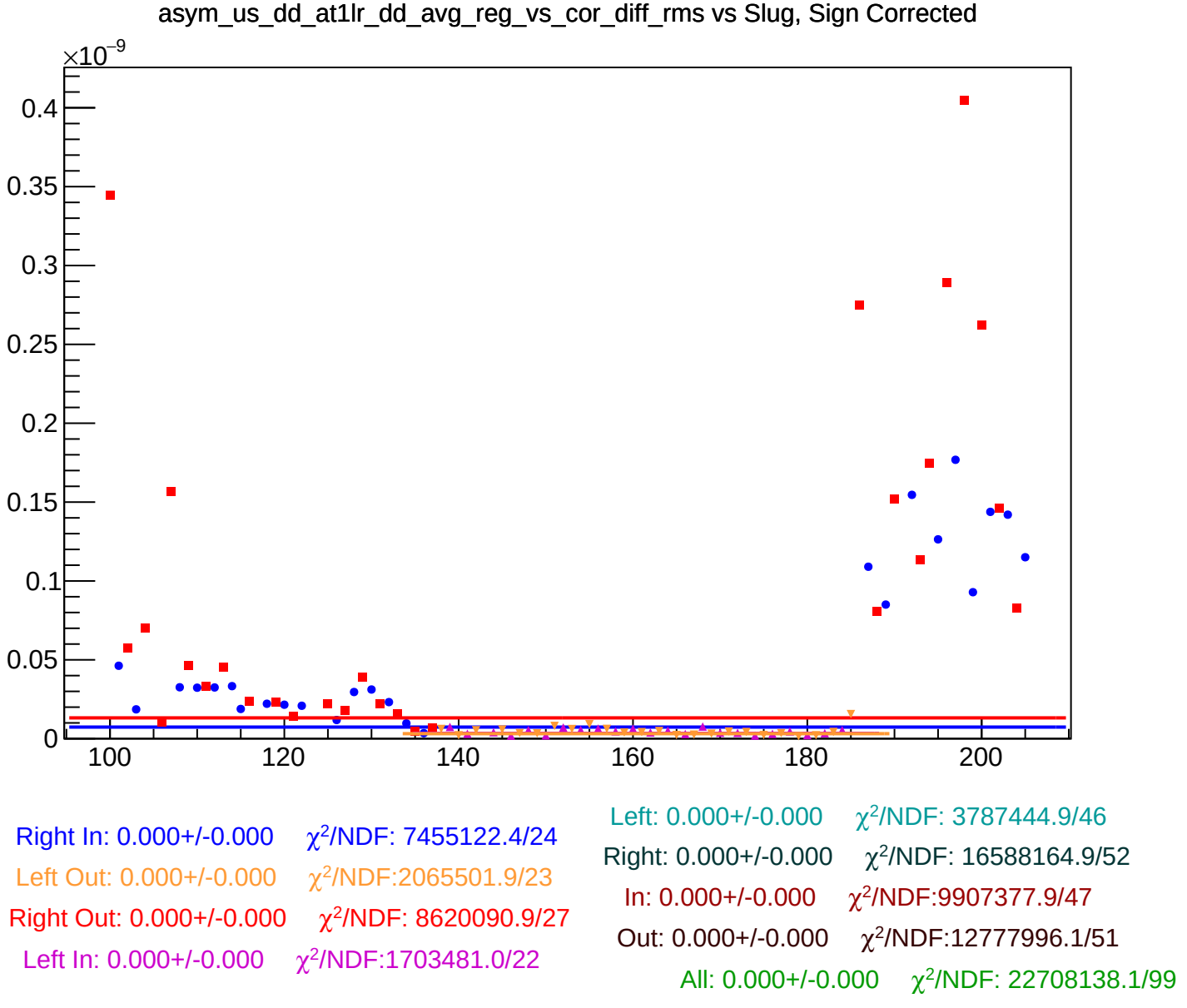
Left: 0.000+/-0.000 χ^2/NDF: 33.7/46

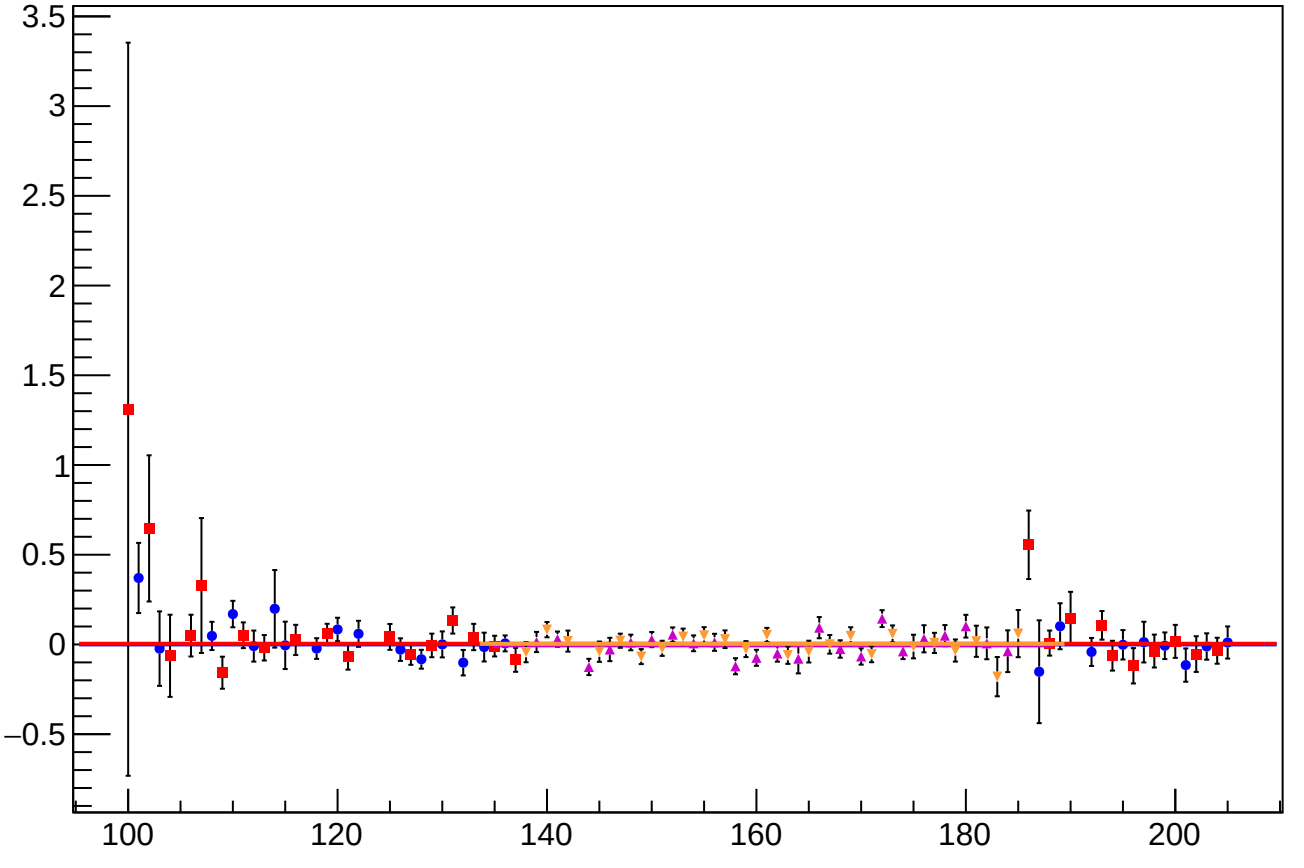
Right: -0.000+/-0.000 χ^2/NDF: 52.8/52

In: -0.000+/-0.000 χ^2/NDF:35.9/47

Out: 0.000+/-0.000 χ^2/NDF:50.7/51

All: 0.000+/-0.000 χ^2/NDF: 87.6/99


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: 7455122.4/24
Left Out: 0.000+/-0.000 χ²/NDF:2065501.9/23
Right Out: 0.000+/-0.000 χ²/NDF: 8620090.9/27
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: 16588164.9/52
In: 0.000+/-0.000 χ²/NDF:9907377.9/47
Out: 0.000+/-0.000 χ²/NDF:12777996.1/51
All: 0.000+/-0.000 χ²/NDF: 22708138.1/99



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

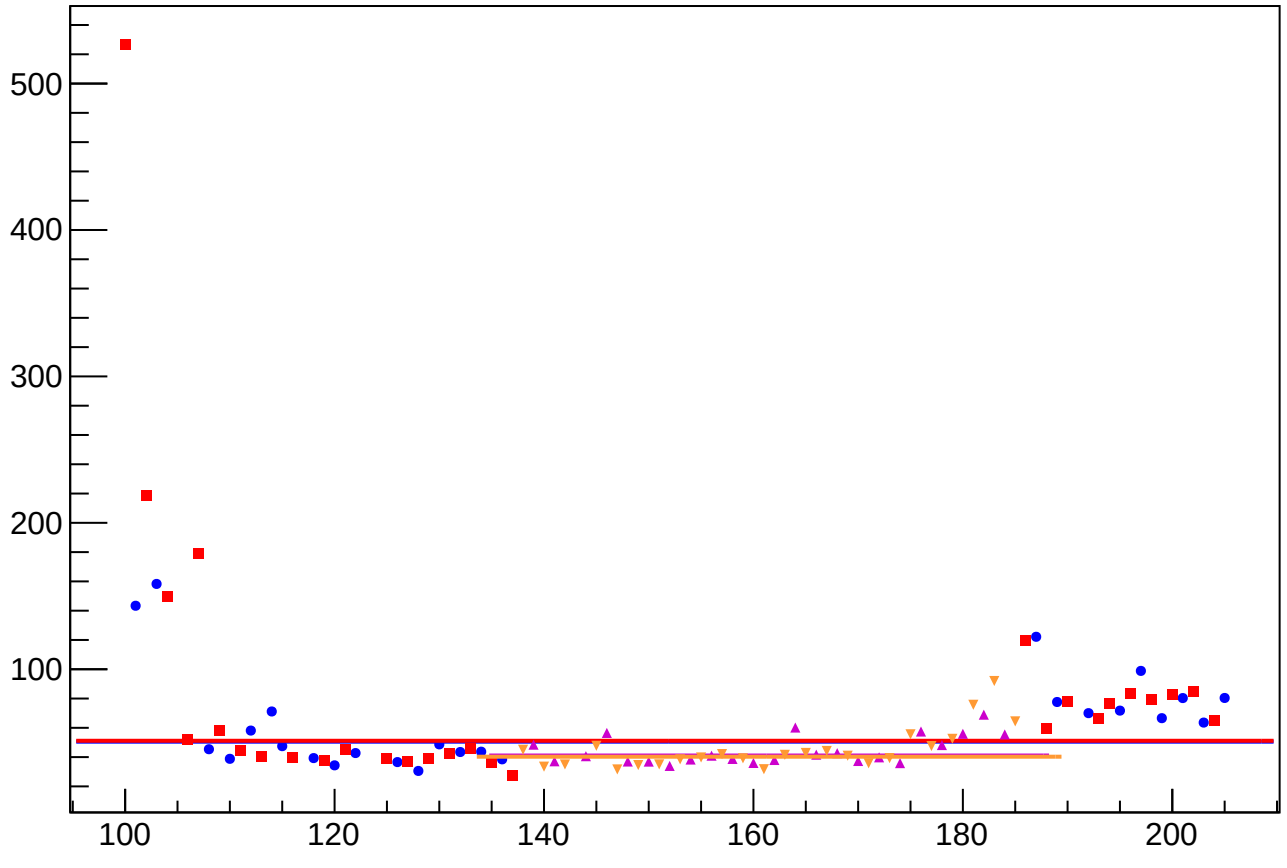
Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

Right: 0.002+/-0.011 χ^2/NDF: 50.4/52

In: -0.004+/-0.009 χ^2/NDF:61.6/47

Out: 0.003+/-0.009 χ^2/NDF:52.1/51

All: 0.000+/-0.006 χ^2/NDF: 114.1/99



Right In: 50.546+/-0.011 χ^2/NDF: 3296234.4/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.151+/-0.011 χ^2/NDF: 3519135.4/27

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

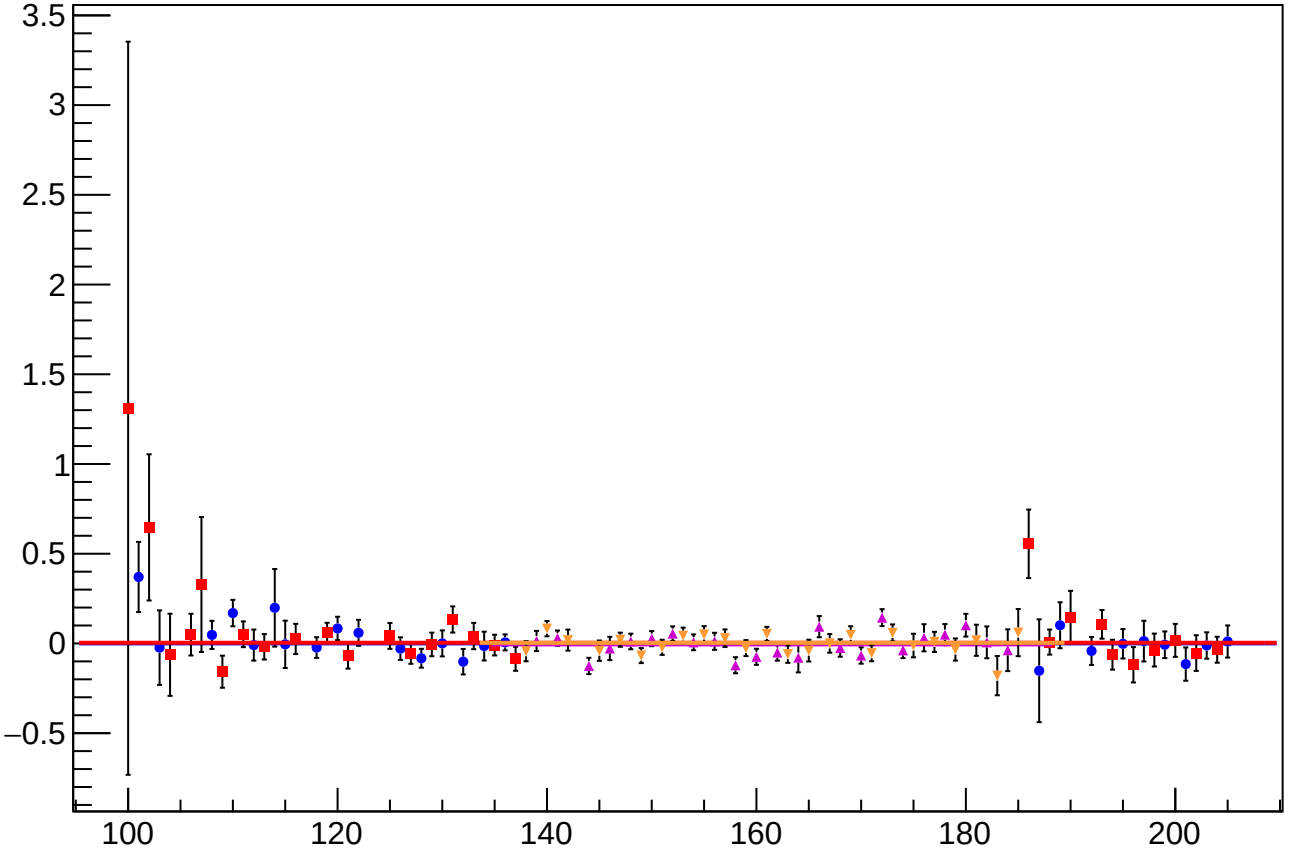
Right: 50.850+/-0.008 χ^2/NDF: 6816864.6/52

In: 44.038+/-0.006 χ^2/NDF:4724520.5/47

Out: 43.609+/-0.006 χ^2/NDF:5682035.3/51

All: 43.820+/-0.004 χ^2/NDF: 10408987.6/99

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

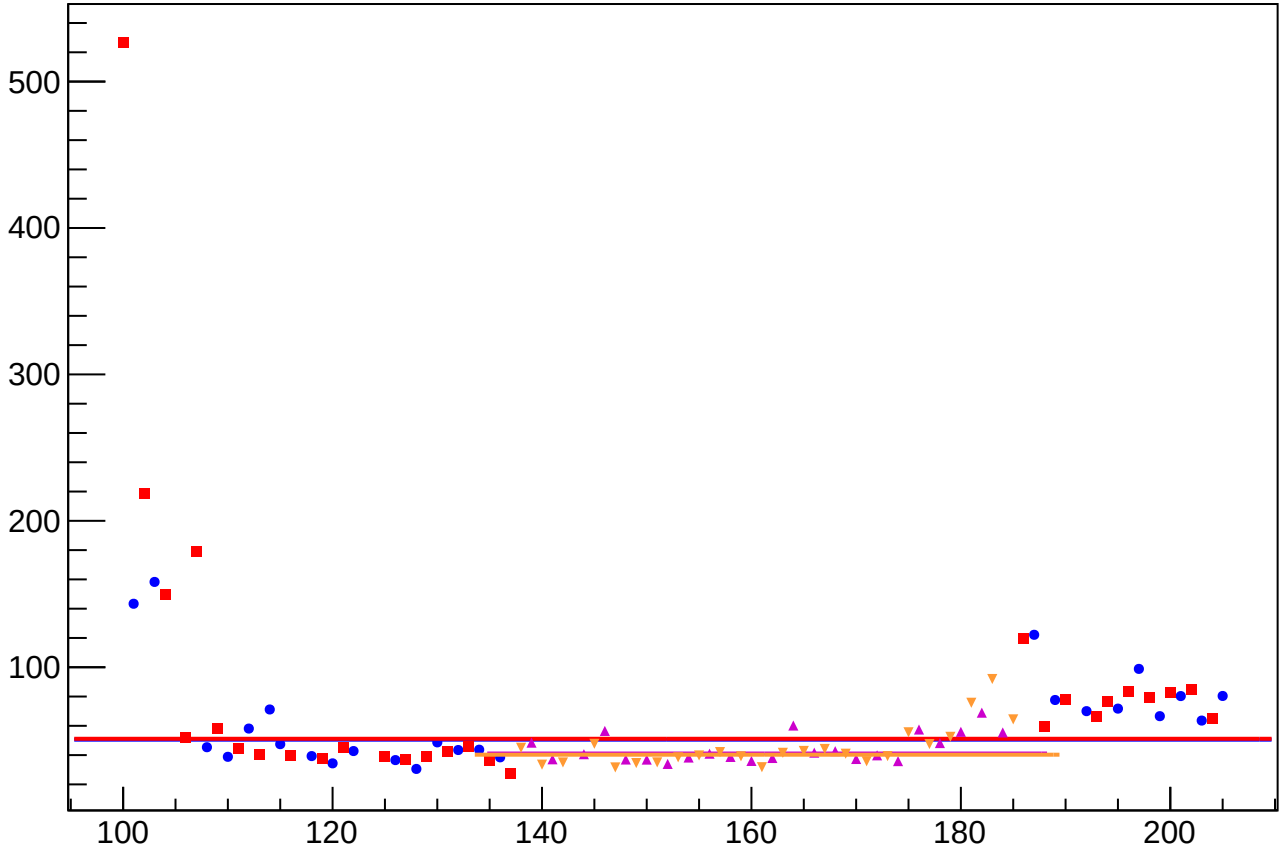
Right: 0.002+/-0.011 χ^2/NDF: 50.4/52

In: -0.004+/-0.009 χ^2/NDF:61.6/47

Out: 0.003+/-0.009 χ^2/NDF:52.1/51

All: 0.000+/-0.006 χ^2/NDF: 114.1/99

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.546+/-0.011 χ^2/NDF: 3296234.4/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

Right Out: 51.151+/-0.011 χ^2/NDF: 3519135.4/27

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

Left: 40.672+/-0.005 χ^2/NDF: 2421828.9/46

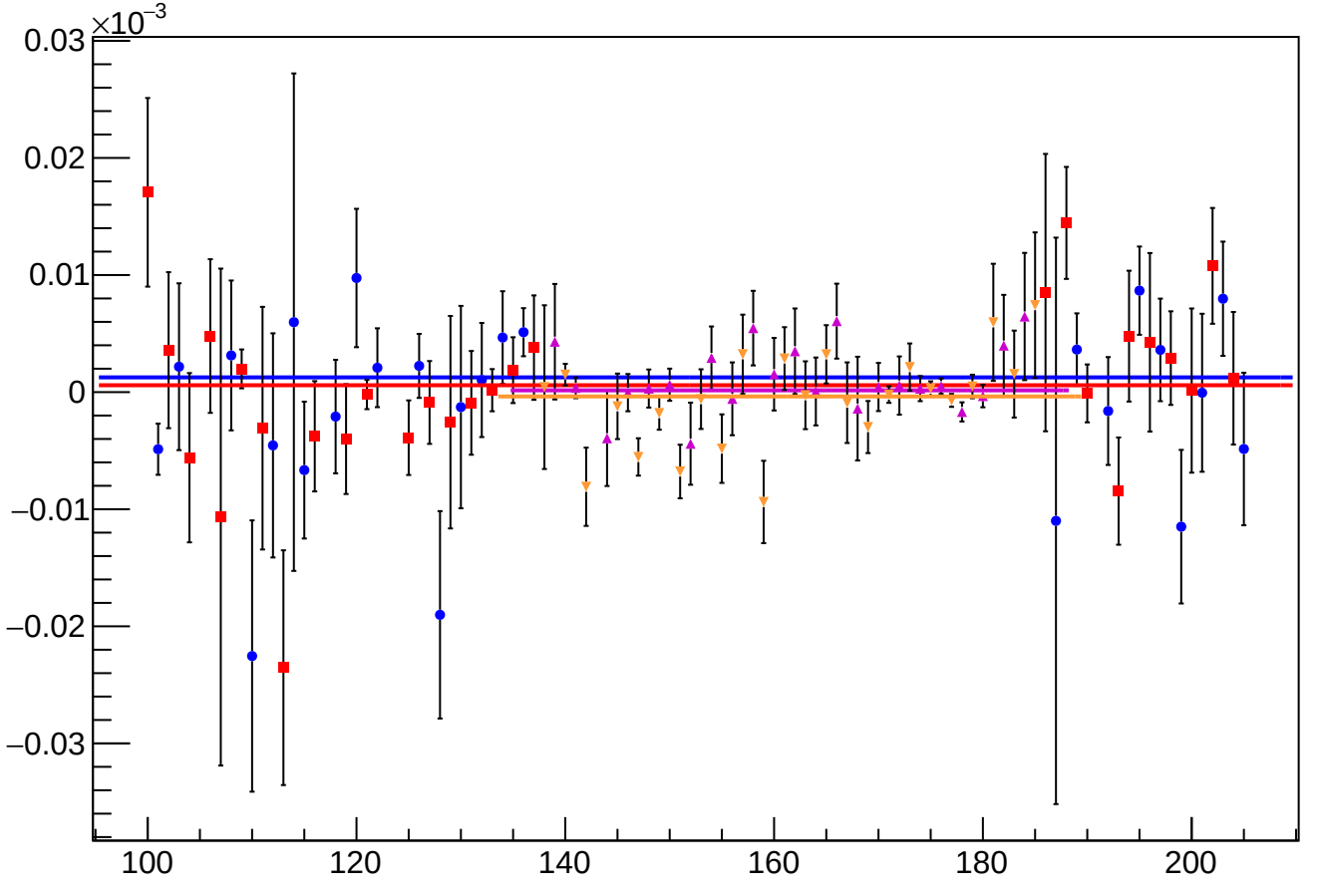
Right: 50.850+/-0.008 χ^2/NDF: 6816864.6/52

In: 44.038+/-0.006 χ^2/NDF:4724520.5/47

Out: 43.609+/-0.006 χ^2/NDF:5682035.3/51

All: 43.820+/-0.004 χ^2/NDF: 10408987.6/99

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 38.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/27

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

Left: -0.000+/-0.000 χ^2/NDF: 72.6/46

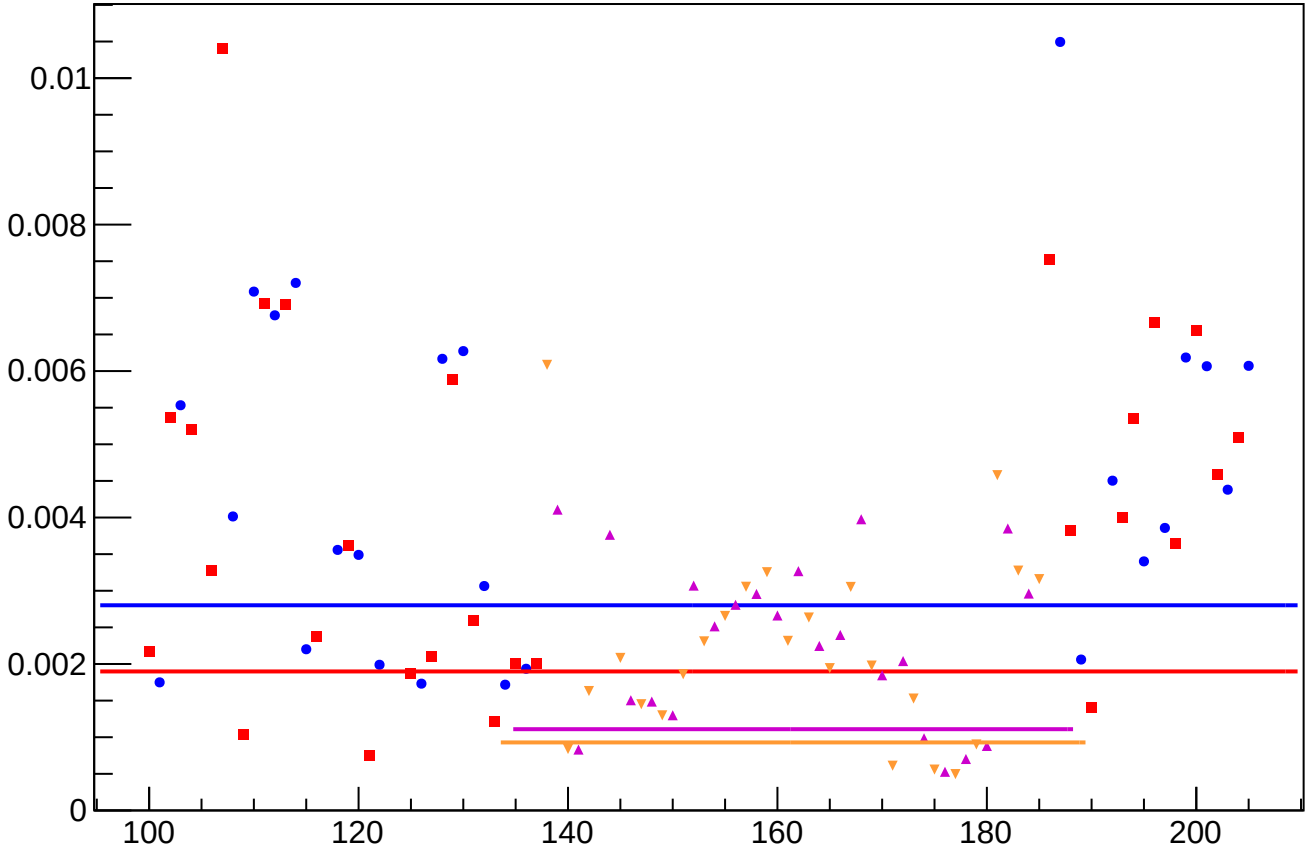
Right: 0.000+/-0.000 χ^2/NDF: 75.2/52

In: 0.000+/-0.000 χ^2/NDF:60.1/47

Out: -0.000+/-0.000 χ^2/NDF:89.1/51

All: -0.000+/-0.000 χ^2/NDF: 150.9/99

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 5646076.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

Right Out: 0.002+/-0.000 χ^2/NDF: 10900976.6/27

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

Left: 0.001+/-0.000 χ^2/NDF: 23862151.8/46

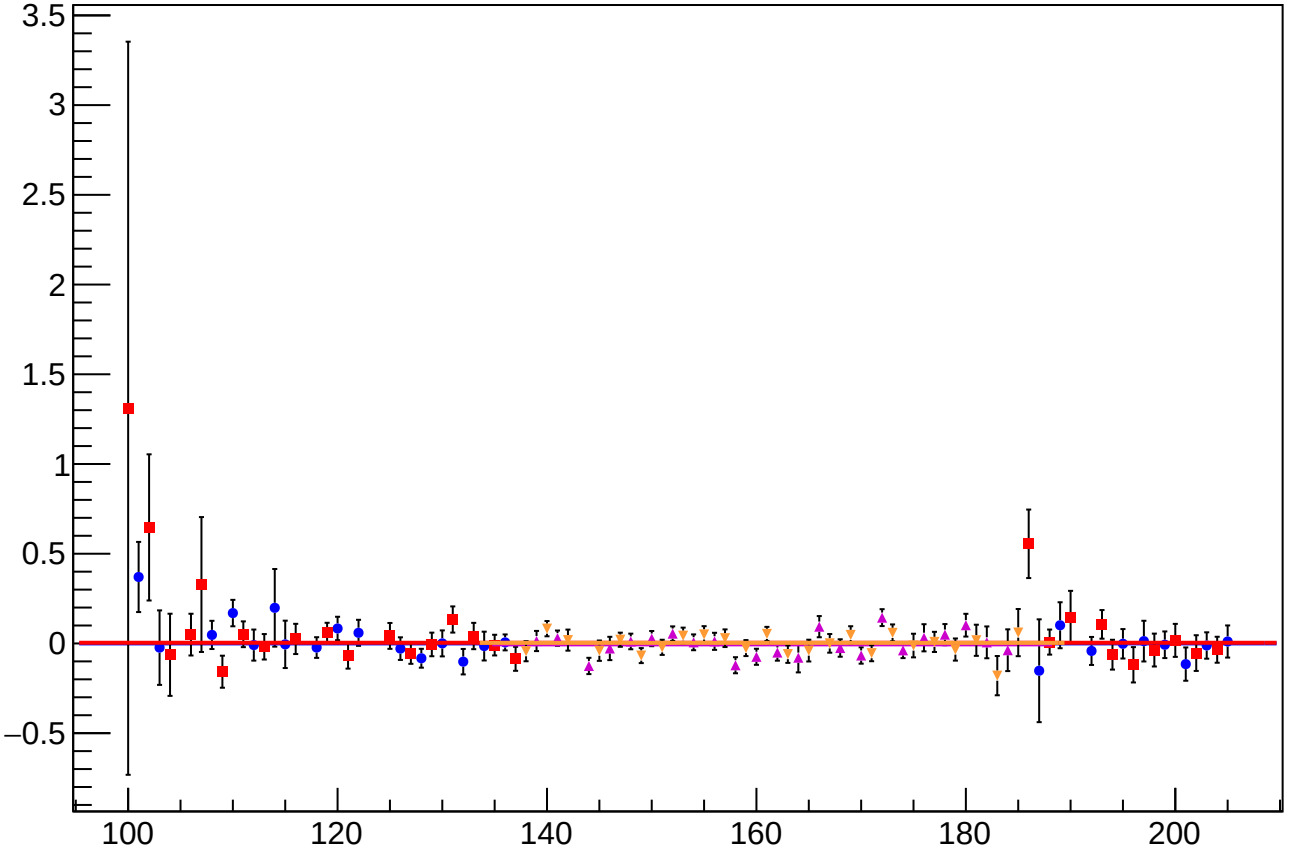
Right: 0.002+/-0.000 χ^2/NDF: 17957872.4/52

In: 0.001+/-0.000 χ^2/NDF:23381592.8/47

Out: 0.001+/-0.000 χ^2/NDF:27258947.9/51

All: 0.001+/-0.000 χ^2/NDF: 51349350.7/99

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

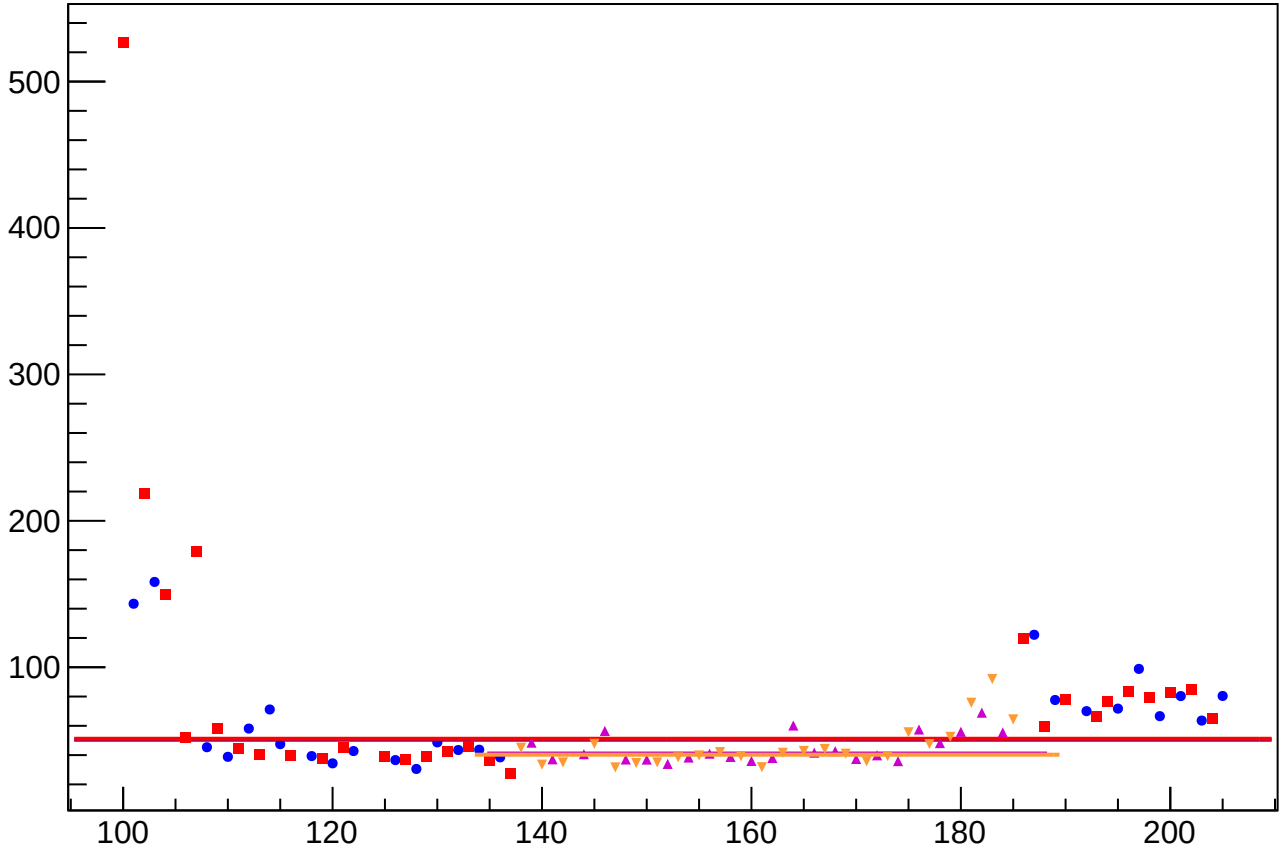
Right: 0.002+/-0.011 χ^2/NDF: 50.4/52

In: -0.004+/-0.009 χ^2/NDF:61.6/47

Out: 0.003+/-0.009 χ^2/NDF:52.1/51

All: 0.000+/-0.006 χ^2/NDF: 114.1/99

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.544+/-0.011 χ^2/NDF: 3296746.1/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.151+/-0.011 χ^2/NDF: 3519104.9/27

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

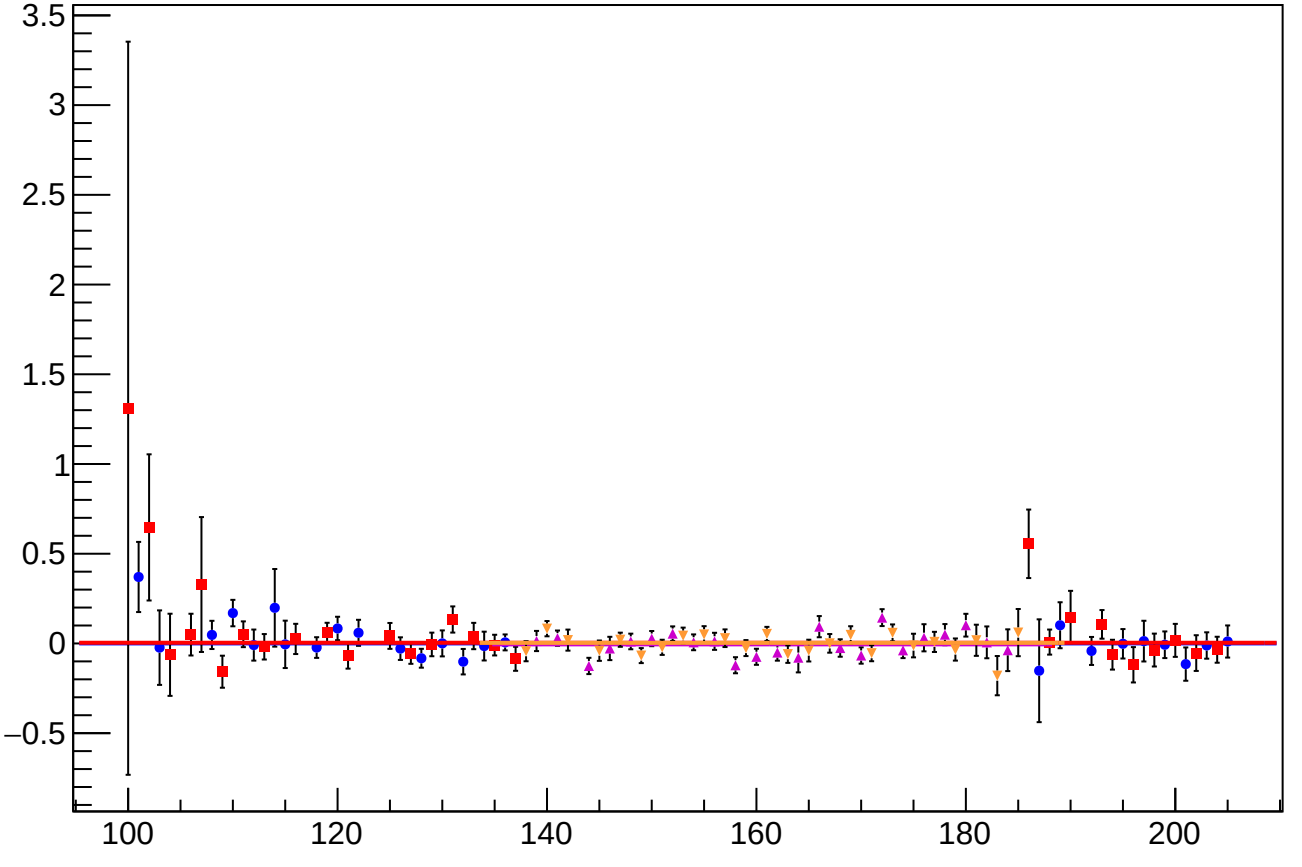
Right: 50.849+/-0.008 χ^2/NDF: 6817360.0/52

In: 44.037+/-0.006 χ^2/NDF:4724849.2/47

Out: 43.609+/-0.006 χ^2/NDF:5682041.3/51

All: 43.820+/-0.004 χ^2/NDF: 10409313.1/99

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.004+/-0.016 χ^2/NDF: 30.3/27

Left In: -0.005+/-0.011 χ^2/NDF:41.4/22

Left: -0.001+/-0.007 χ^2/NDF: 63.6/46

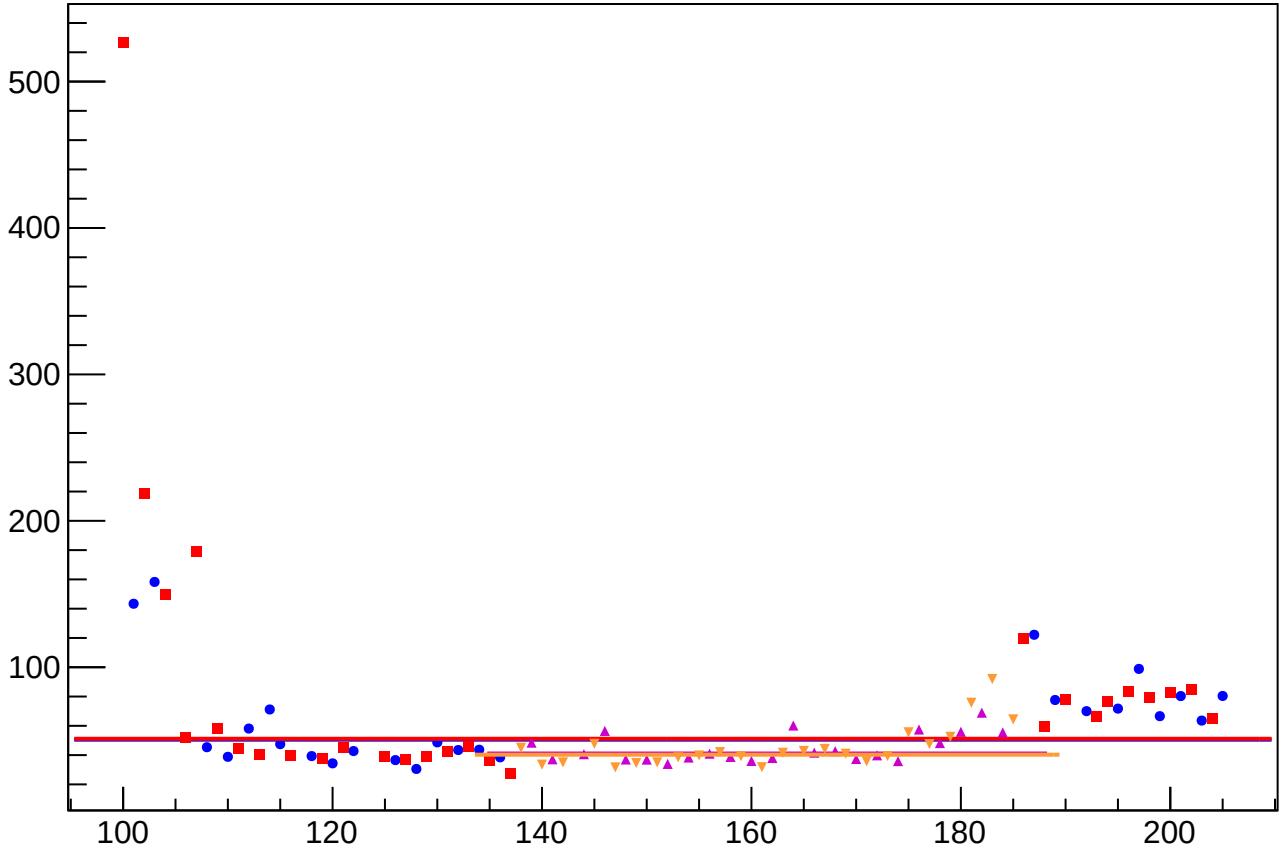
Right: 0.002+/-0.011 χ^2/NDF: 50.4/52

In: -0.004+/-0.009 χ^2/NDF:61.6/47

Out: 0.003+/-0.009 χ^2/NDF:52.1/51

All: 0.000+/-0.006 χ^2/NDF: 114.1/99

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 50.544+/-0.011 χ^2/NDF: 3296746.1/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

Right Out: 51.151+/-0.011 χ^2/NDF: 3519104.9/27

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

Left: 40.672+/-0.005 χ^2/NDF: 2421851.2/46

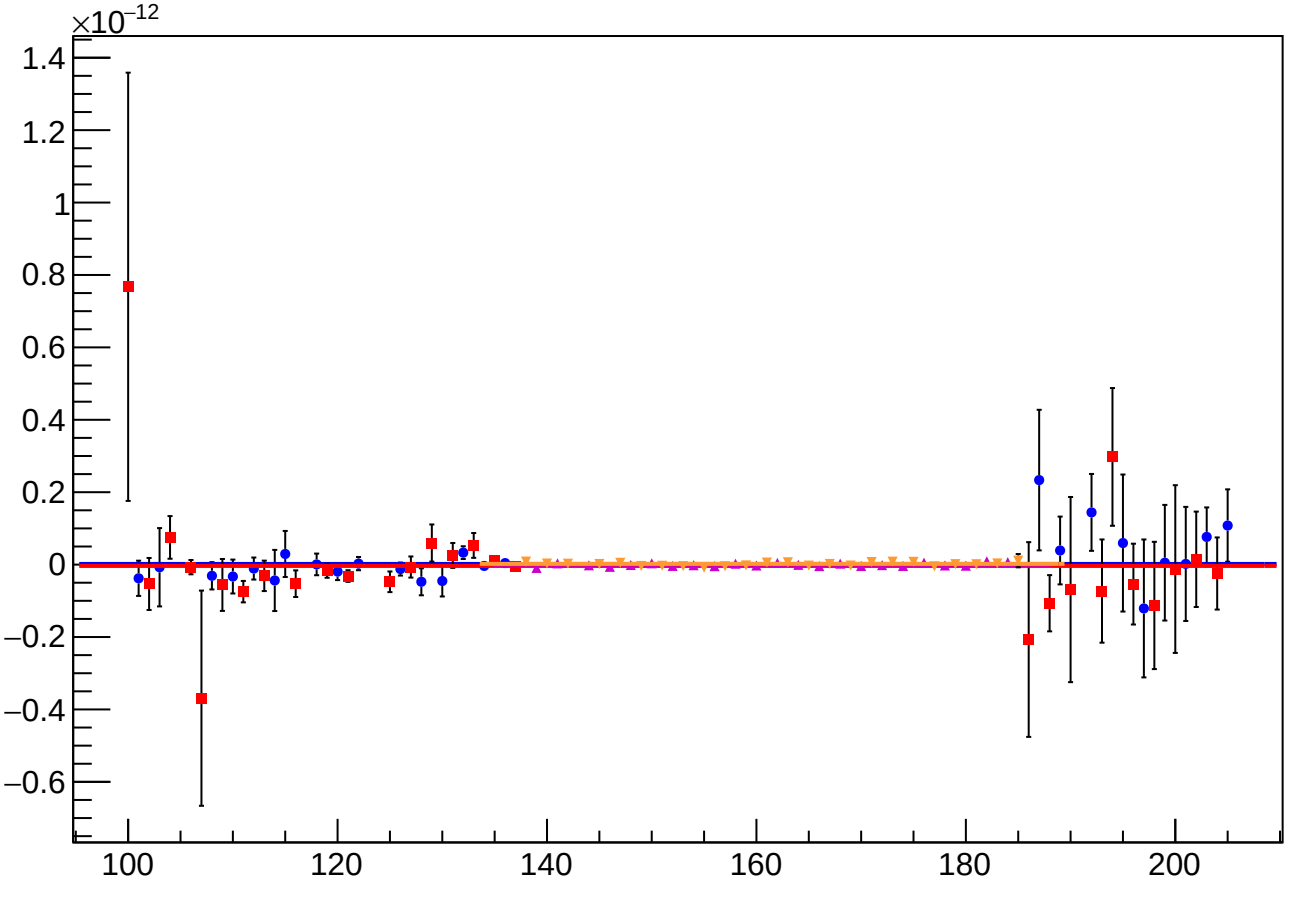
Right: 50.849+/-0.008 χ^2/NDF: 6817360.0/52

In: 44.037+/-0.006 χ^2/NDF:4724849.2/47

Out: 43.609+/-0.006 χ^2/NDF:5682041.3/51

All: 43.820+/-0.004 χ^2/NDF: 10409313.1/99

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: 16.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 34.6/27

Left In: -0.000+/-0.000 χ^2/NDF:23.1/22

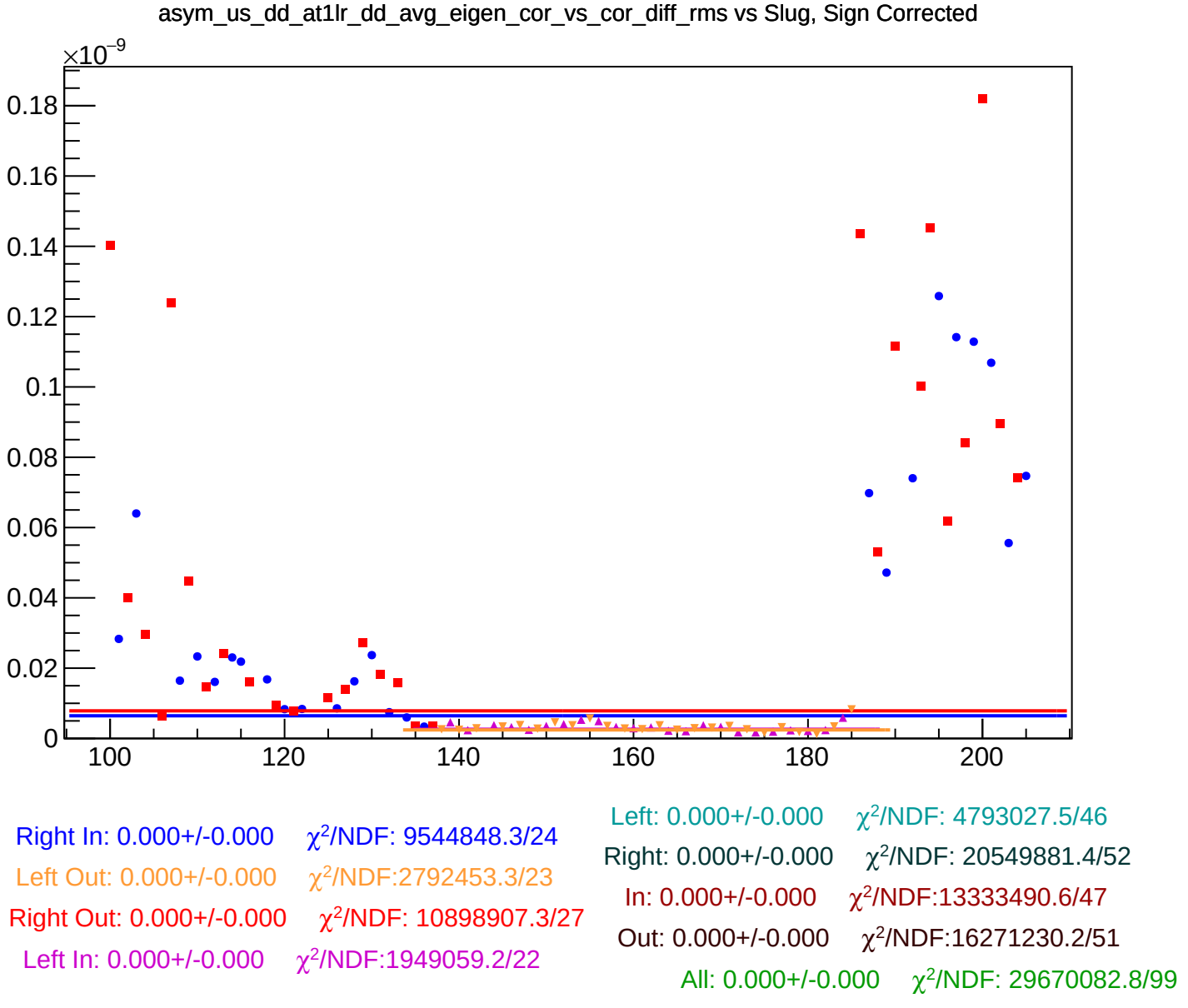
Left: 0.000+/-0.000 χ^2/NDF: 52.2/46

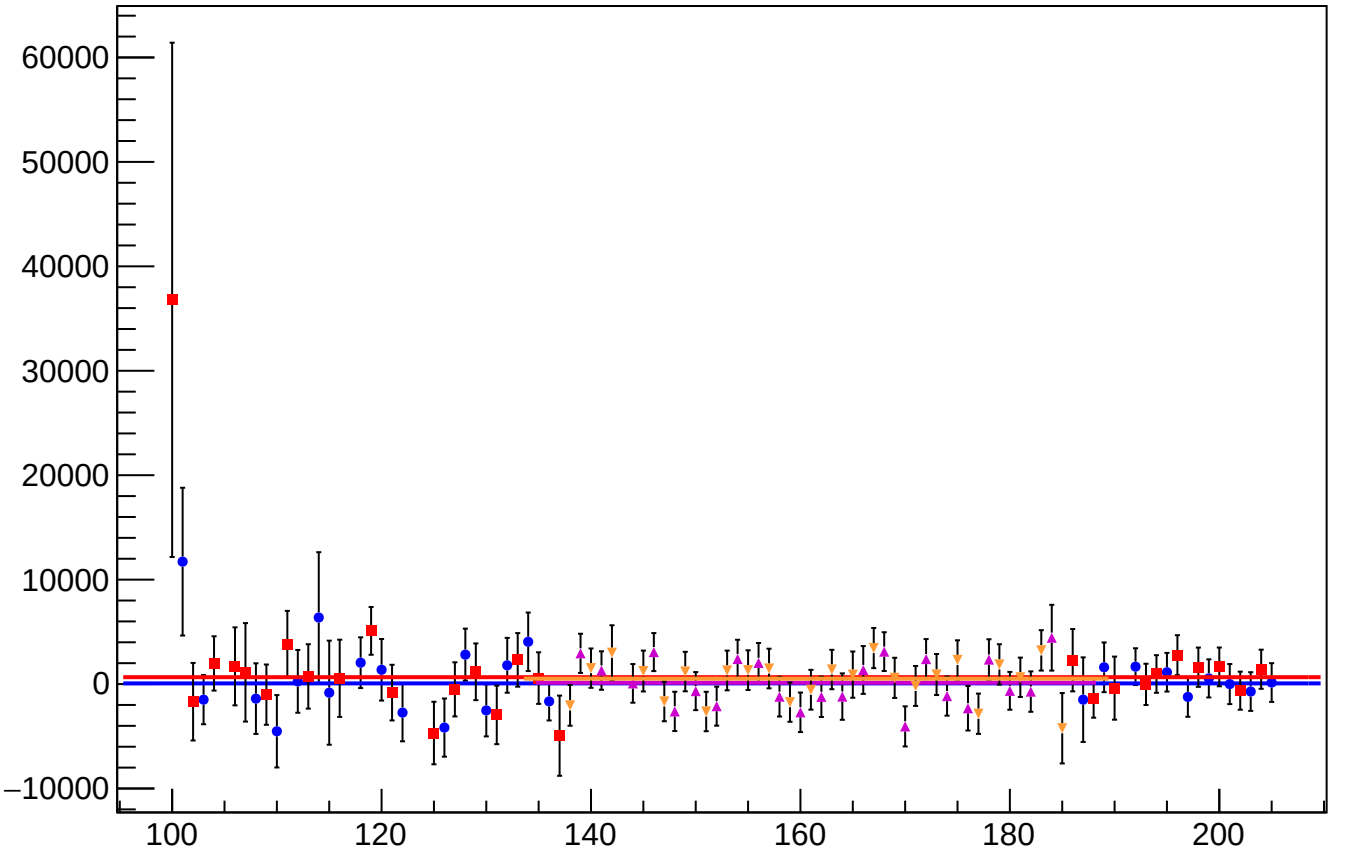
Right: -0.000+/-0.000 χ^2/NDF: 51.9/52

In: -0.000+/-0.000 χ^2/NDF:39.8/47

Out: 0.000+/-0.000 χ^2/NDF:61.2/51

All: 0.000+/-0.000 χ^2/NDF: 104.2/99


asym_us_dd_at1lr_dd_avg_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: 9544848.3/24
Left Out: 0.000+/-0.000 χ²/NDF:2792453.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 10898907.3/27
Left In: 0.000+/-0.000 χ²/NDF:1949059.2/22
Left: 0.000+/-0.000 χ²/NDF: 4793027.5/46
Right: 0.000+/-0.000 χ²/NDF: 20549881.4/52
In: 0.000+/-0.000 χ²/NDF:13333490.6/47
Out: 0.000+/-0.000 χ²/NDF:16271230.2/51
All: 0.000+/-0.000 χ²/NDF: 29670082.8/99



Right In: 64.601+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: 659.381+/-472.417 χ^2/NDF: 20.1/27

Left In: 126.031+/-404.630 χ^2/NDF:29.5/22

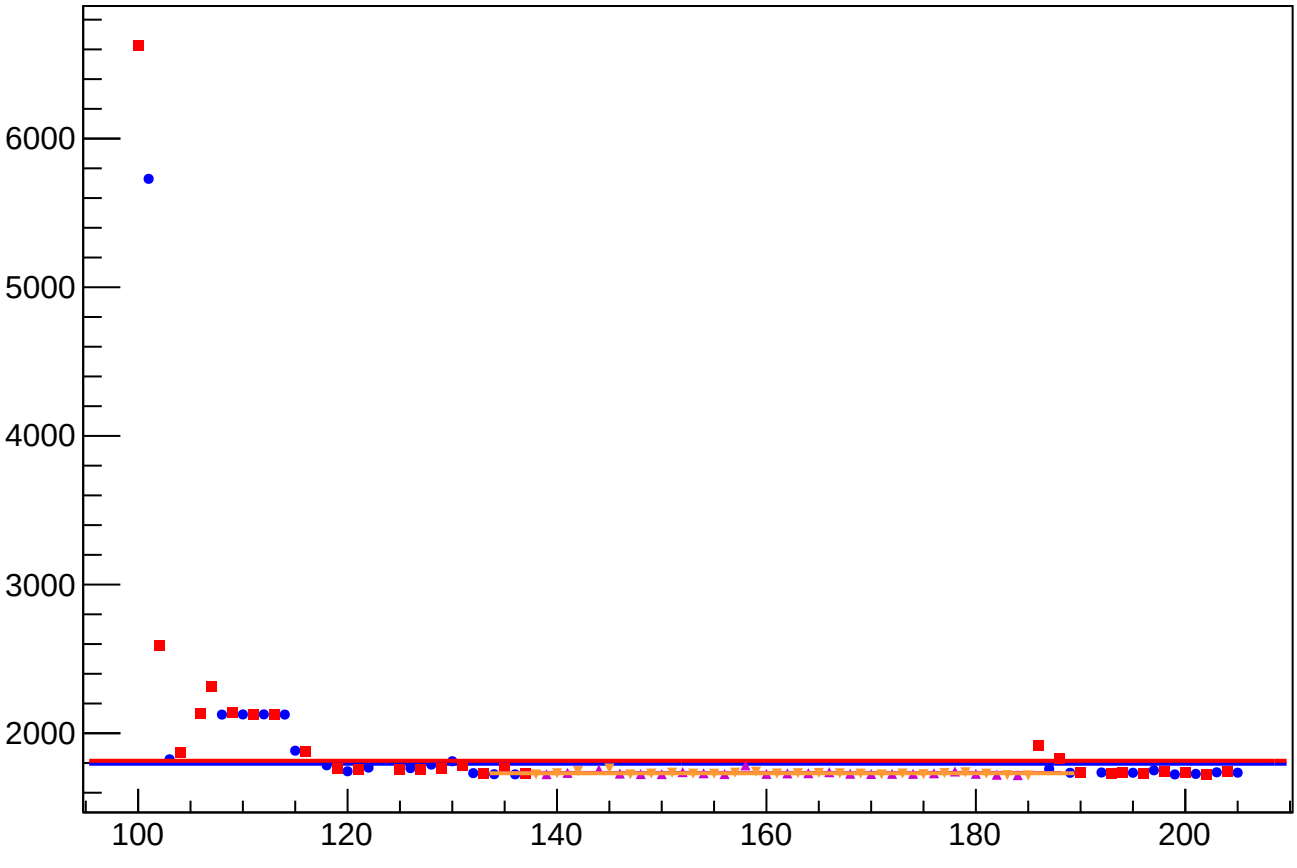
Left: 324.409+/-285.077 χ^2/NDF: 50.7/46

Right: 369.182+/-338.063 χ^2/NDF: 39.3/52

In: 100.758+/-310.431 χ^2/NDF:47.9/47

Out: 578.448+/-306.027 χ^2/NDF:40.9/51

All: 343.015+/-217.934 χ^2/NDF: 90.0/99



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.5/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1814.894+/-0.334 χ^2/NDF: 305869.9/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

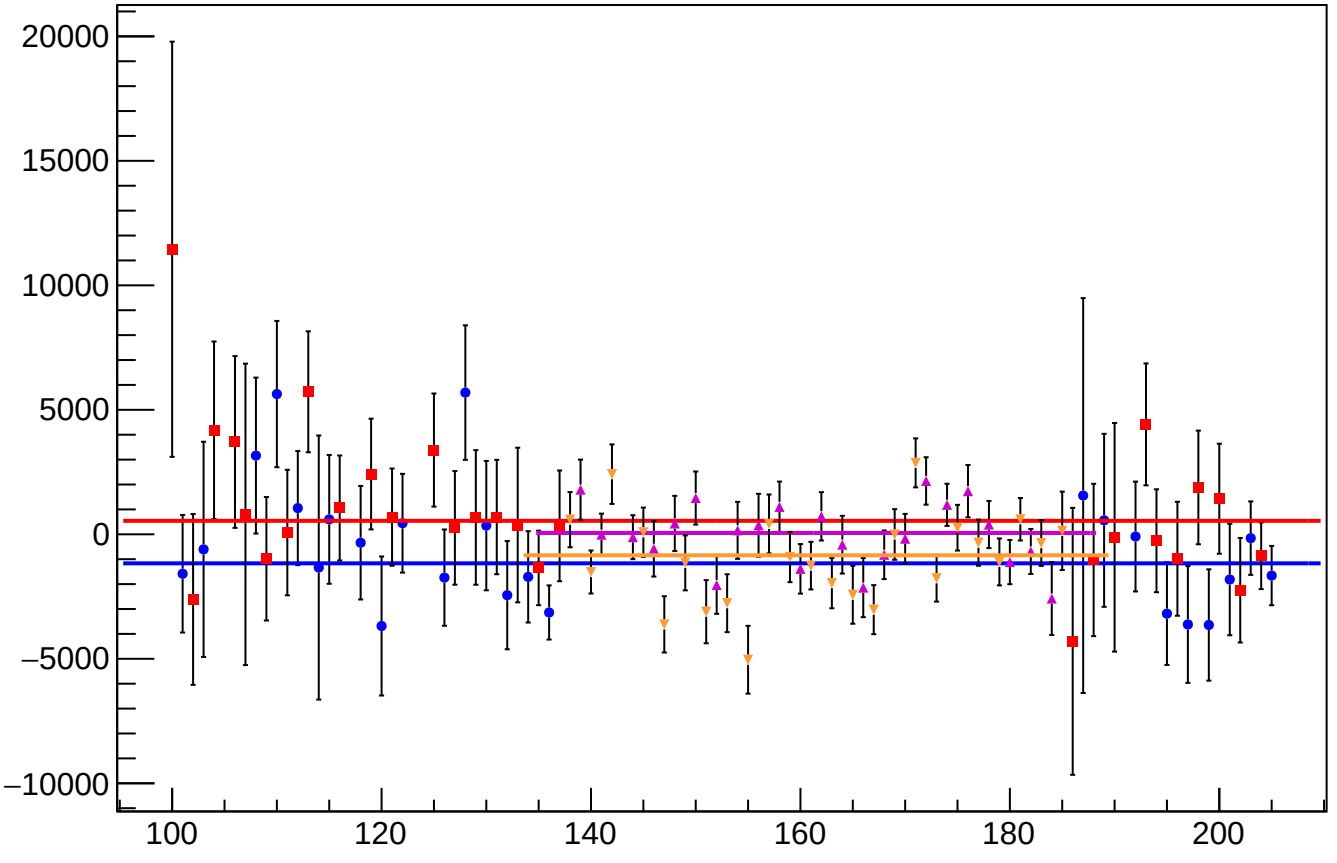
Right: 1805.184+/-0.239 χ^2/NDF: 1017626.2/52

In: 1758.508+/-0.220 χ^2/NDF:731571.0/47

Out: 1766.116+/-0.216 χ^2/NDF:343578.5/51

All: 1762.366+/-0.154 χ^2/NDF: 1075758.7/99

asym_us_dd_at1lr_dd_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: -1165.797+/-422.825 χ^2/NDF: 25.5/24

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: 542.344+/-451.939 χ^2/NDF: 21.0/27

Left In: 53.905+/-212.966 χ^2/NDF:30.6/22

Left: -398.736+/-149.837 χ^2/NDF: 102.3/46

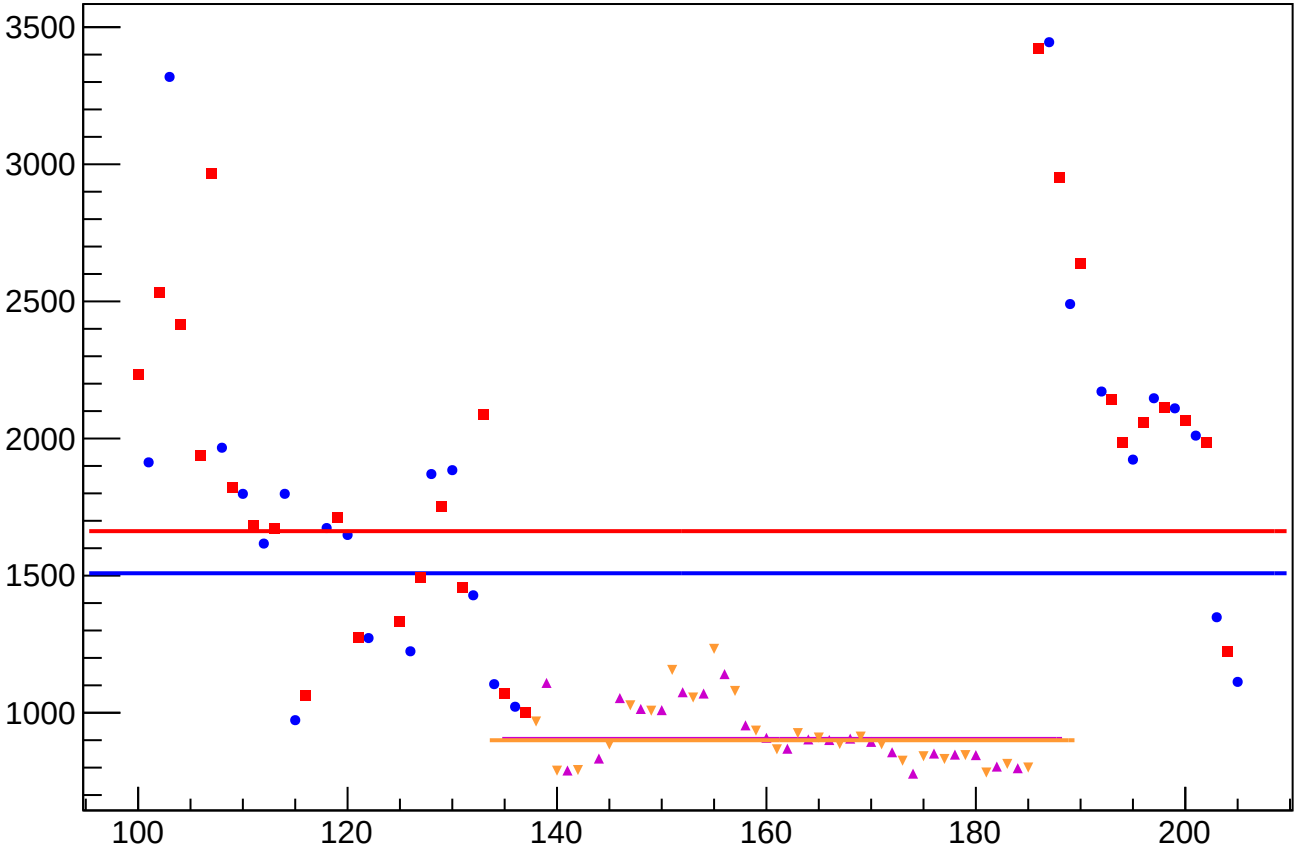
Right: -368.514+/-308.762 χ^2/NDF: 54.1/52

In: -192.906+/-190.202 χ^2/NDF:62.8/47

Out: -594.895+/-191.079 χ^2/NDF:91.4/51

All: -392.976+/-134.802 χ^2/NDF: 156.4/99

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 1508.698+/-0.299 χ^2/NDF: 2411644.8/24

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1662.253+/-0.320 χ^2/NDF: 2435227.0/27

Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

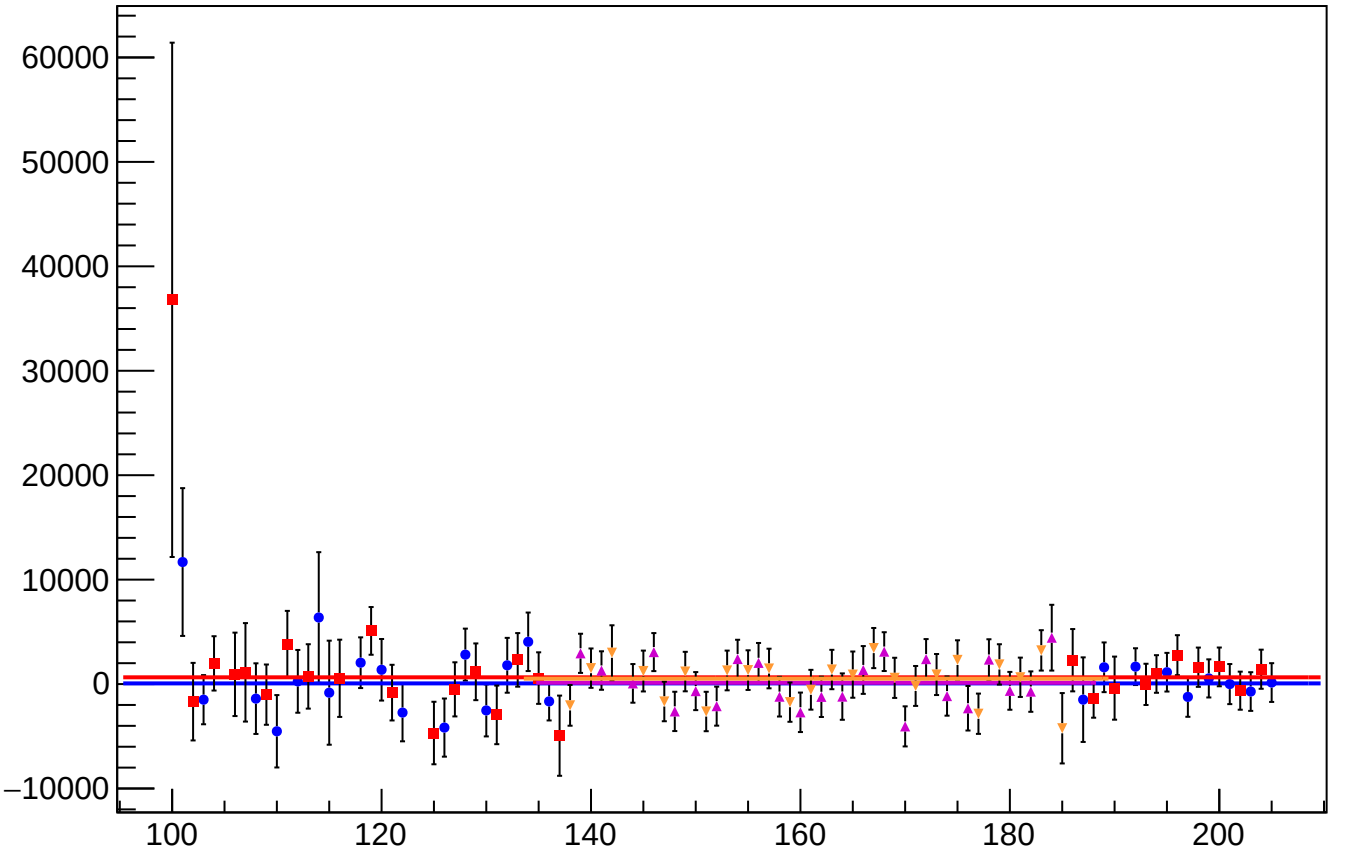
Left: 902.210+/-0.106 χ^2/NDF: 948102.8/46

Right: 1580.371+/-0.218 χ^2/NDF: 4969991.9/52

In: 1026.886+/-0.134 χ^2/NDF:6119664.9/47

Out: 1036.105+/-0.135 χ^2/NDF:7605271.2/51

All: 1031.474+/-0.095 χ^2/NDF: 13727274.5/9



Right In: 64.235+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 646.759+/-472.891 χ^2/NDF: 20.0/27

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

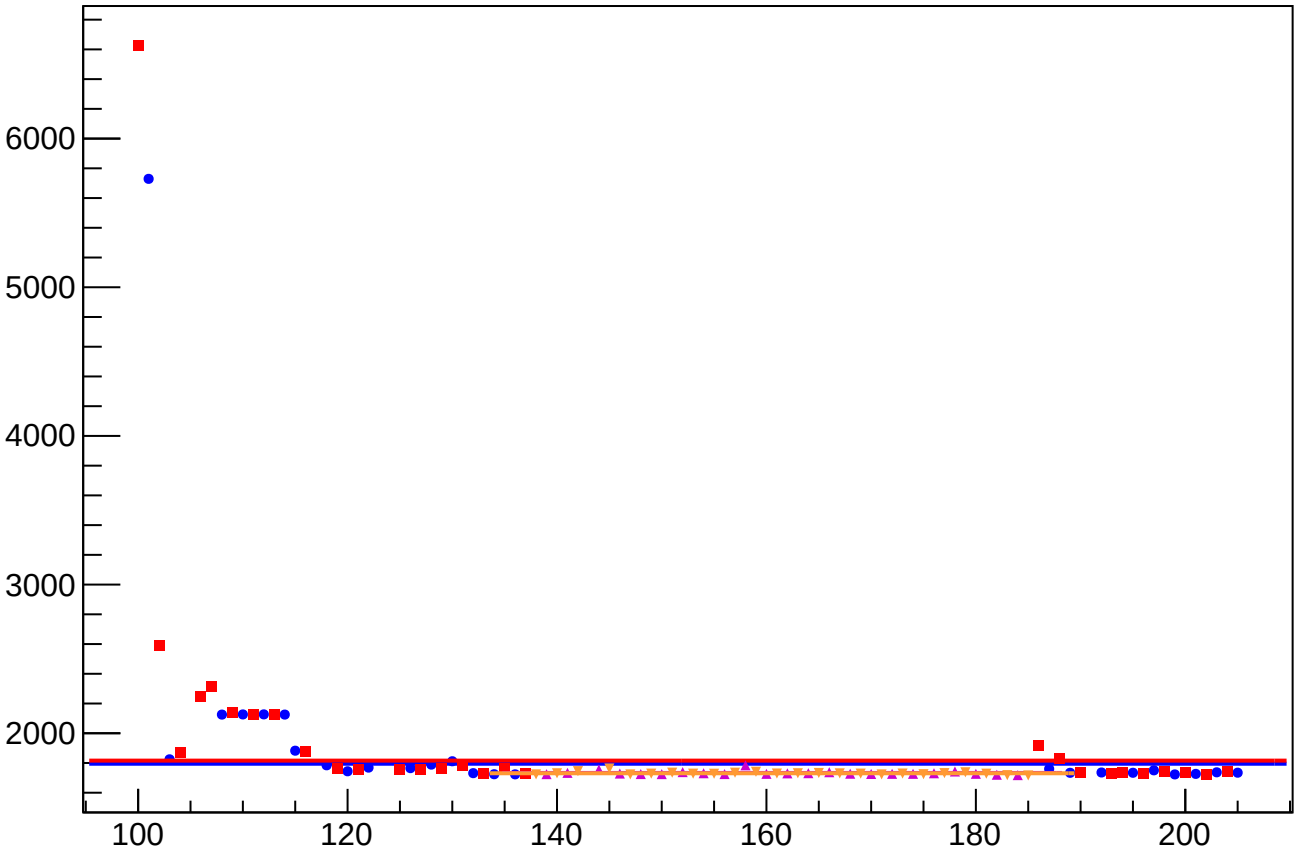
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 362.247+/-338.237 χ^2/NDF: 39.2/52

In: 100.643+/-310.431 χ^2/NDF:47.9/47

Out: 573.105+/-306.155 χ^2/NDF:40.8/51

All: 340.150+/-217.980 χ^2/NDF: 89.9/99



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.4/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1815.892+/-0.334 χ^2/NDF: 315048.1/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

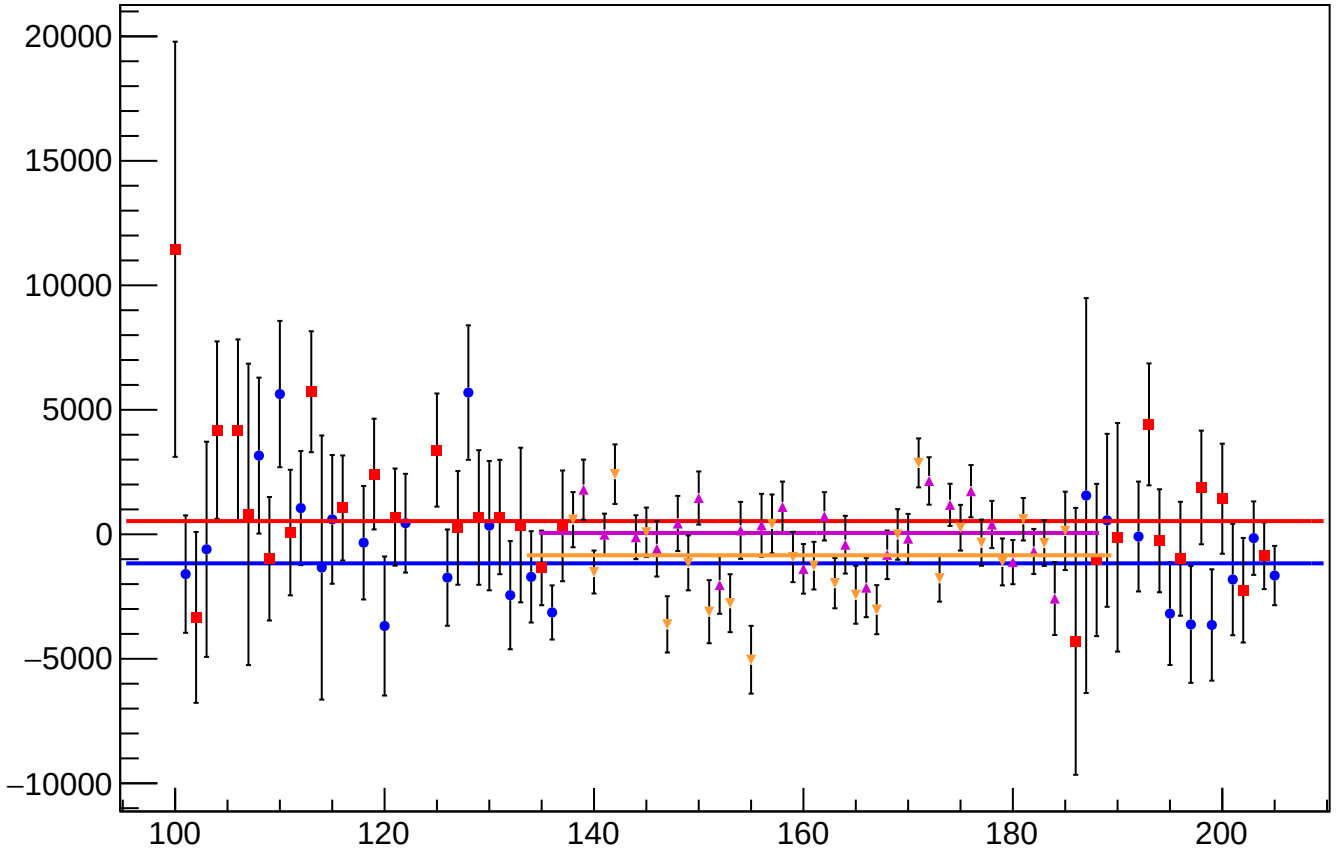
Right: 1805.684+/-0.239 χ^2/NDF: 1026980.4/52

In: 1758.508+/-0.220 χ^2/NDF:731570.9/47

Out: 1766.493+/-0.216 χ^2/NDF:353590.6/51

All: 1762.556+/-0.154 χ^2/NDF: 1085832.3/99

asym_us_dd_at1lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: -1166.229+/-422.806 χ^2/NDF: 25.5/24

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 531.037+/-452.363 χ^2/NDF: 21.5/27

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

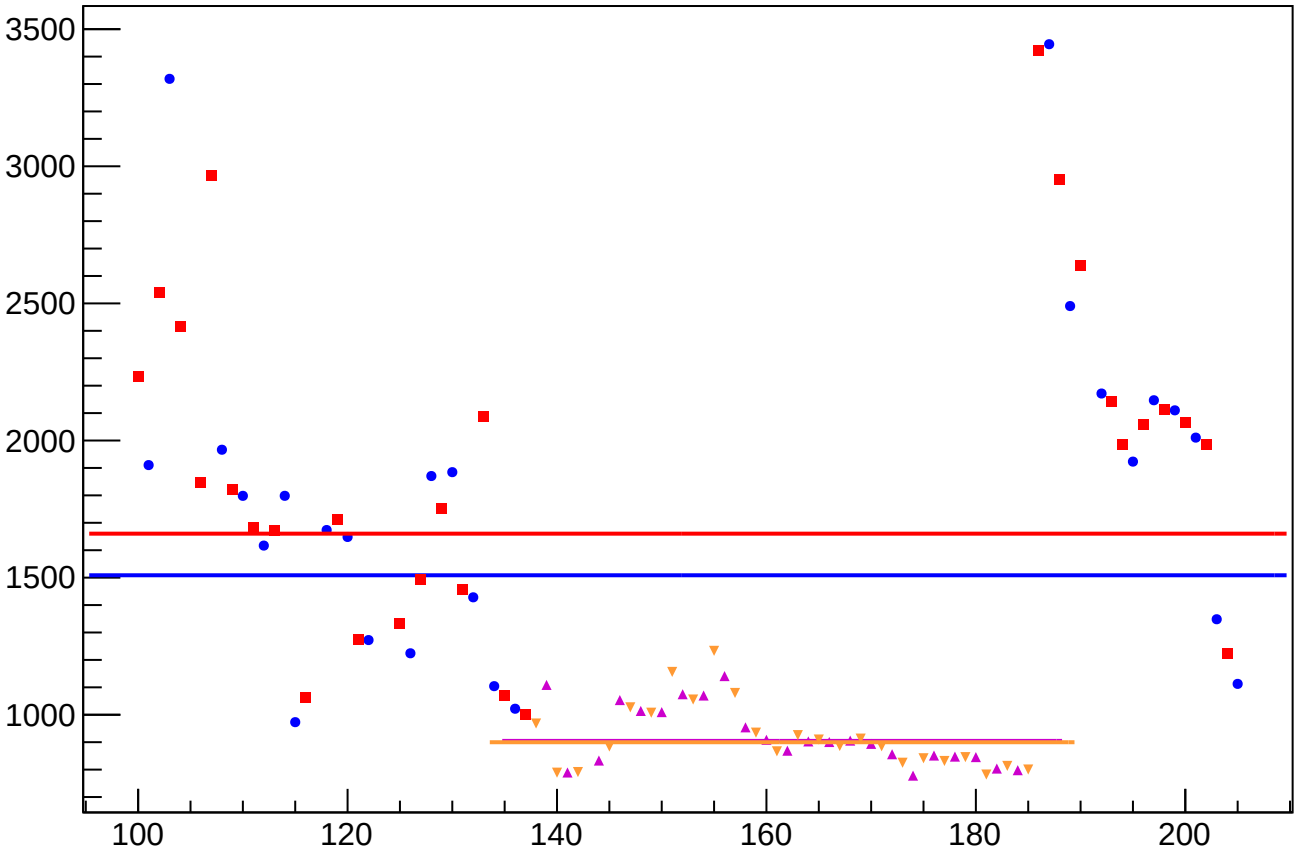
Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

Right: -374.852+/-308.890 χ^2/NDF: 54.6/52

In: -192.992+/-190.200 χ^2/NDF:62.8/47

Out: -597.323+/-191.112 χ^2/NDF:91.8/51

All: -394.191+/-134.813 χ^2/NDF: 156.9/99



Right In: 1508.647+/-0.299 χ^2/NDF: 2411096.0/24

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.368+/-0.320 χ^2/NDF: 2429084.8/27

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

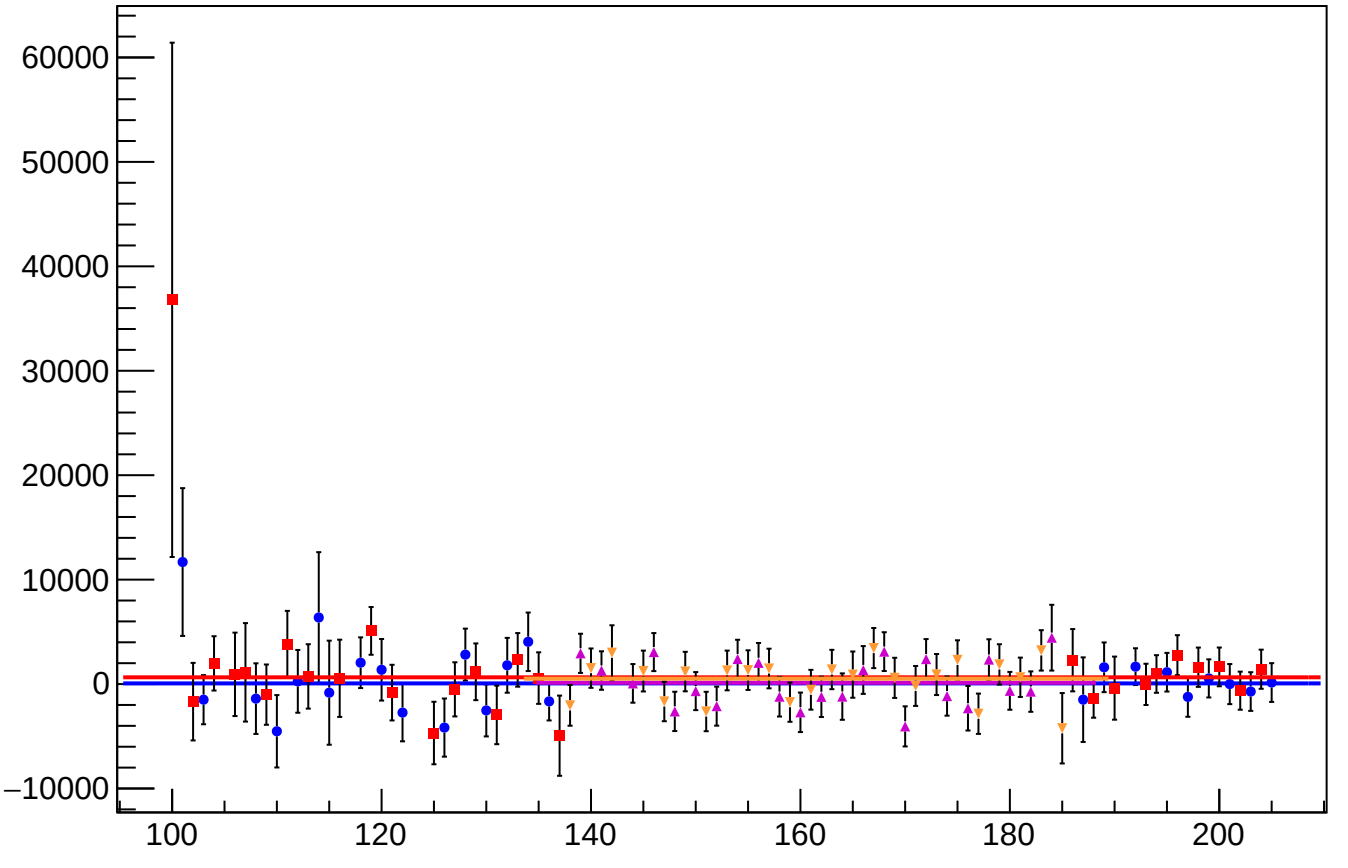
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1579.389+/-0.218 χ^2/NDF: 4960260.6/52

In: 1026.881+/-0.134 χ^2/NDF:6118843.5/47

Out: 1035.561+/-0.135 χ^2/NDF:7568773.2/51

All: 1031.200+/-0.095 χ^2/NDF: 13689689.5/9



Right In: 64.235+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: 646.759+/-472.891 χ^2/NDF: 20.0/27

Left In: 126.091+/-404.630 χ^2/NDF:29.5/22

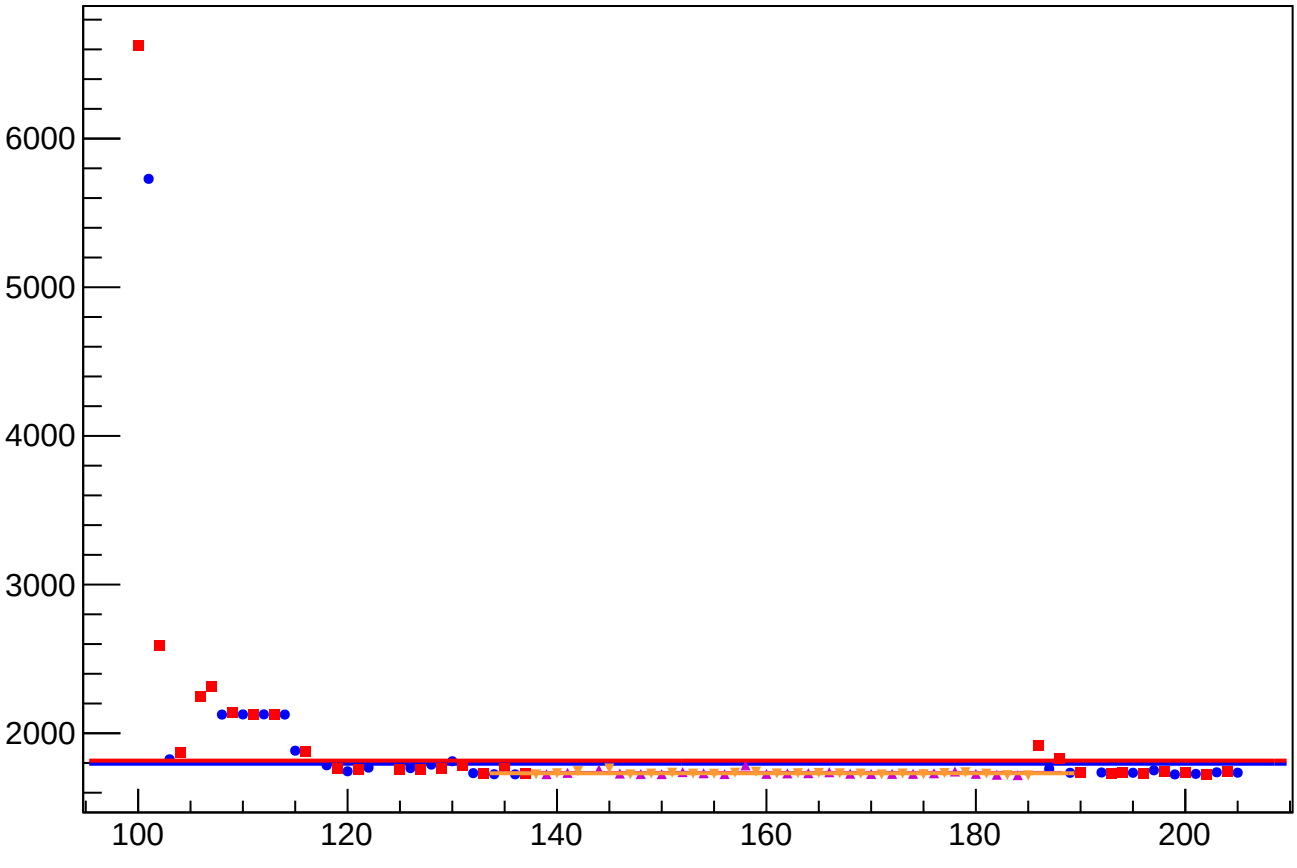
Left: 324.453+/-285.077 χ^2/NDF: 50.7/46

Right: 362.247+/-338.237 χ^2/NDF: 39.2/52

In: 100.643+/-310.431 χ^2/NDF:47.9/47

Out: 573.105+/-306.155 χ^2/NDF:40.8/51

All: 340.150+/-217.980 χ^2/NDF: 89.9/99



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.4/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

Right Out: 1815.892+/-0.334 χ^2/NDF: 315048.1/27

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

Left: 1731.919+/-0.202 χ^2/NDF: 3235.8/46

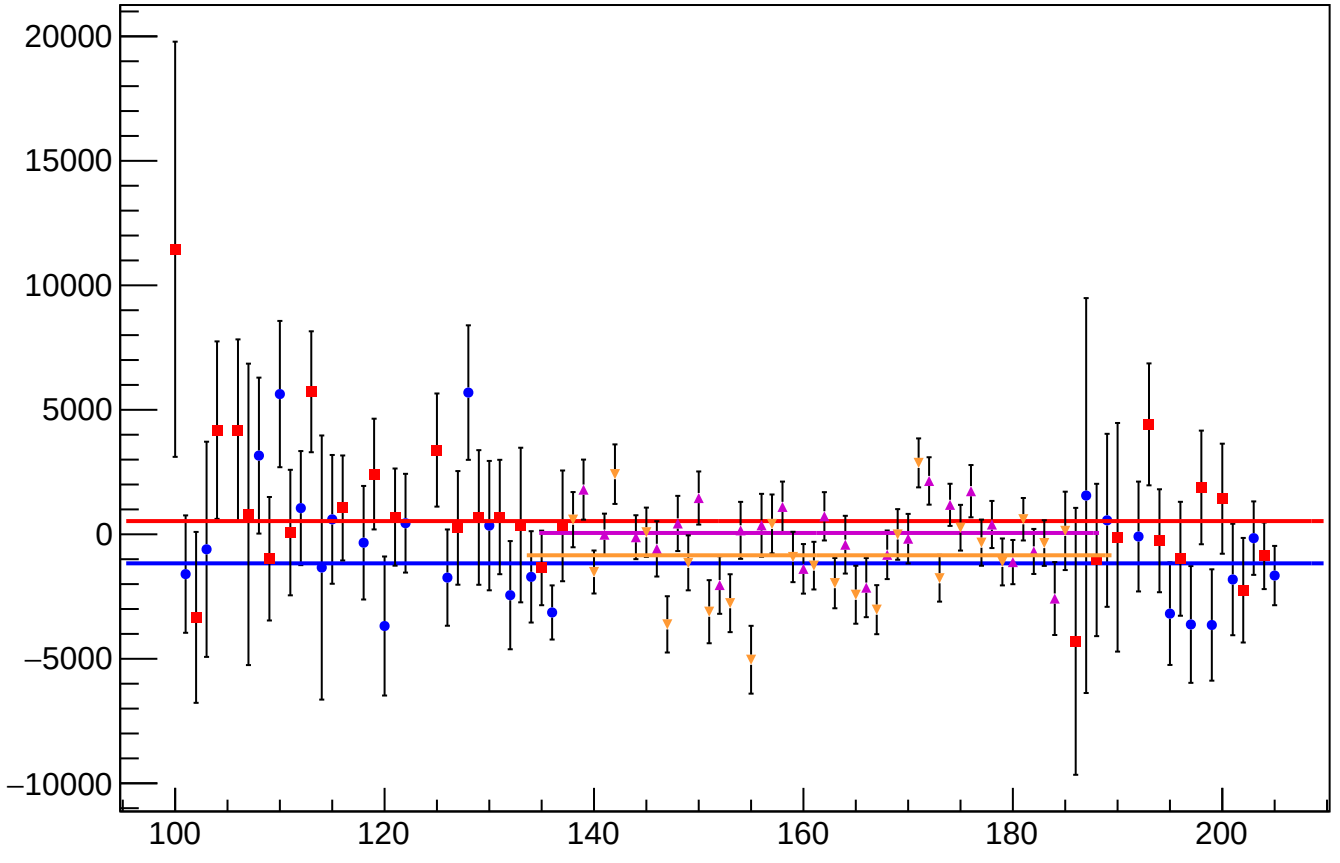
Right: 1805.684+/-0.239 χ^2/NDF: 1026980.4/52

In: 1758.508+/-0.220 χ^2/NDF:731570.9/47

Out: 1766.493+/-0.216 χ^2/NDF:353590.6/51

All: 1762.556+/-0.154 χ^2/NDF: 1085832.3/99

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1166.229+/-422.806 χ^2/NDF: 25.5/24

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

Right Out: 531.037+/-452.363 χ^2/NDF: 21.5/27

Left In: 53.927+/-212.965 χ^2/NDF:30.6/22

Left: -398.741+/-149.837 χ^2/NDF: 102.3/46

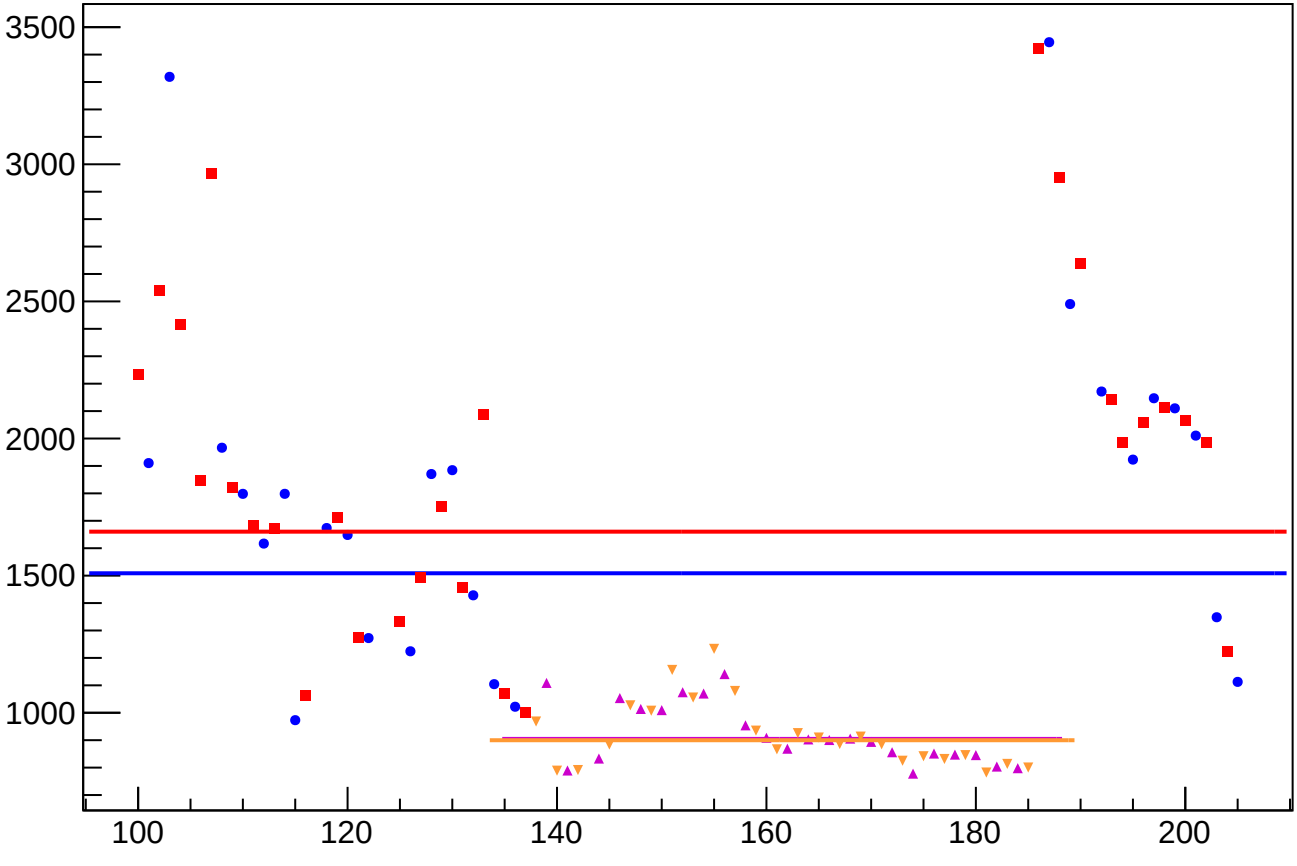
Right: -374.852+/-308.890 χ^2/NDF: 54.6/52

In: -192.992+/-190.200 χ^2/NDF:62.8/47

Out: -597.323+/-191.112 χ^2/NDF:91.8/51

All: -394.191+/-134.813 χ^2/NDF: 156.9/99

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1508.647+/-0.299 χ^2/NDF: 2411096.0/24

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1660.368+/-0.320 χ^2/NDF: 2429084.8/27

Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

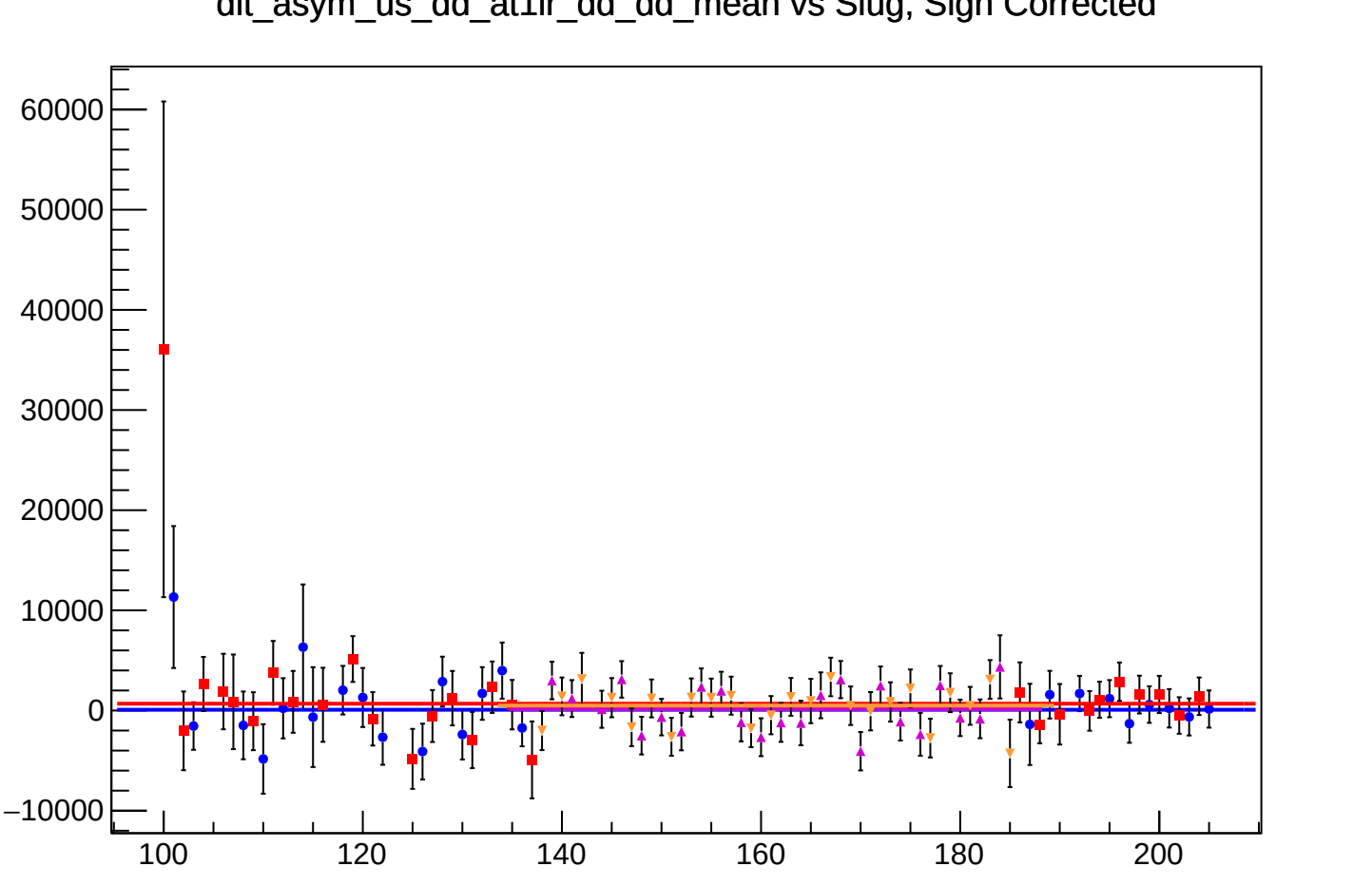
Left: 902.209+/-0.106 χ^2/NDF: 948056.7/46

Right: 1579.389+/-0.218 χ^2/NDF: 4960260.6/52

In: 1026.881+/-0.134 χ^2/NDF:6118843.5/47

Out: 1035.561+/-0.135 χ^2/NDF:7568773.2/51

All: 1031.200+/-0.095 χ^2/NDF: 13689689.5/9



Right In: 76.165+/-484.529 χ^2/NDF: 18.4/24

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 680.127+/-473.898 χ^2/NDF: 20.5/27

Left In: 137.162+/-404.995 χ^2/NDF:29.6/22

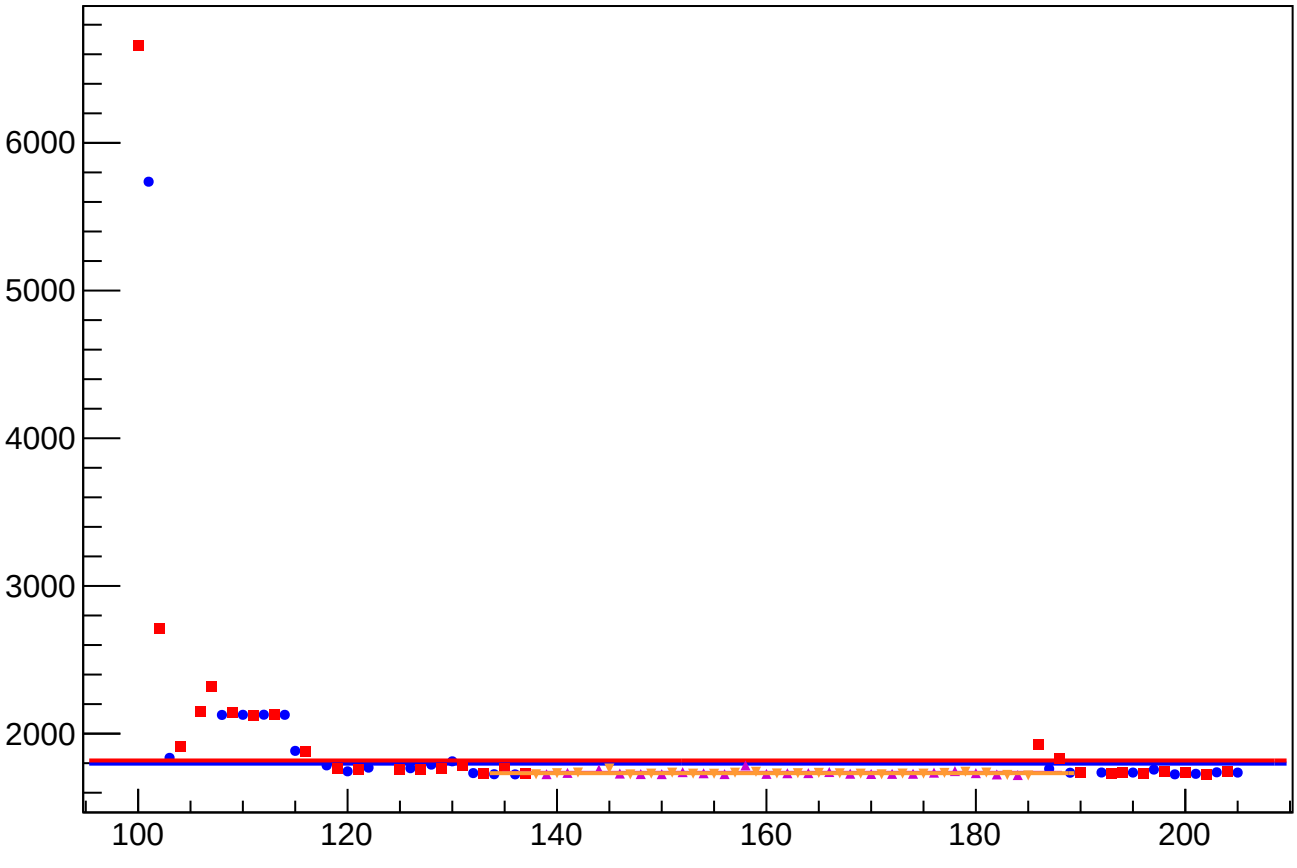
Left: 317.326+/-285.335 χ^2/NDF: 50.0/46

Right: 384.844+/-338.793 χ^2/NDF: 39.7/52

In: 112.074+/-310.740 χ^2/NDF:47.9/47

Out: 572.425+/-306.590 χ^2/NDF:40.7/51

All: 345.344+/-218.244 χ^2/NDF: 89.7/99



Right In: 1796.877+/-0.343 χ^2/NDF: 710327.6/24

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1818.307+/-0.335 χ^2/NDF: 325639.8/27

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

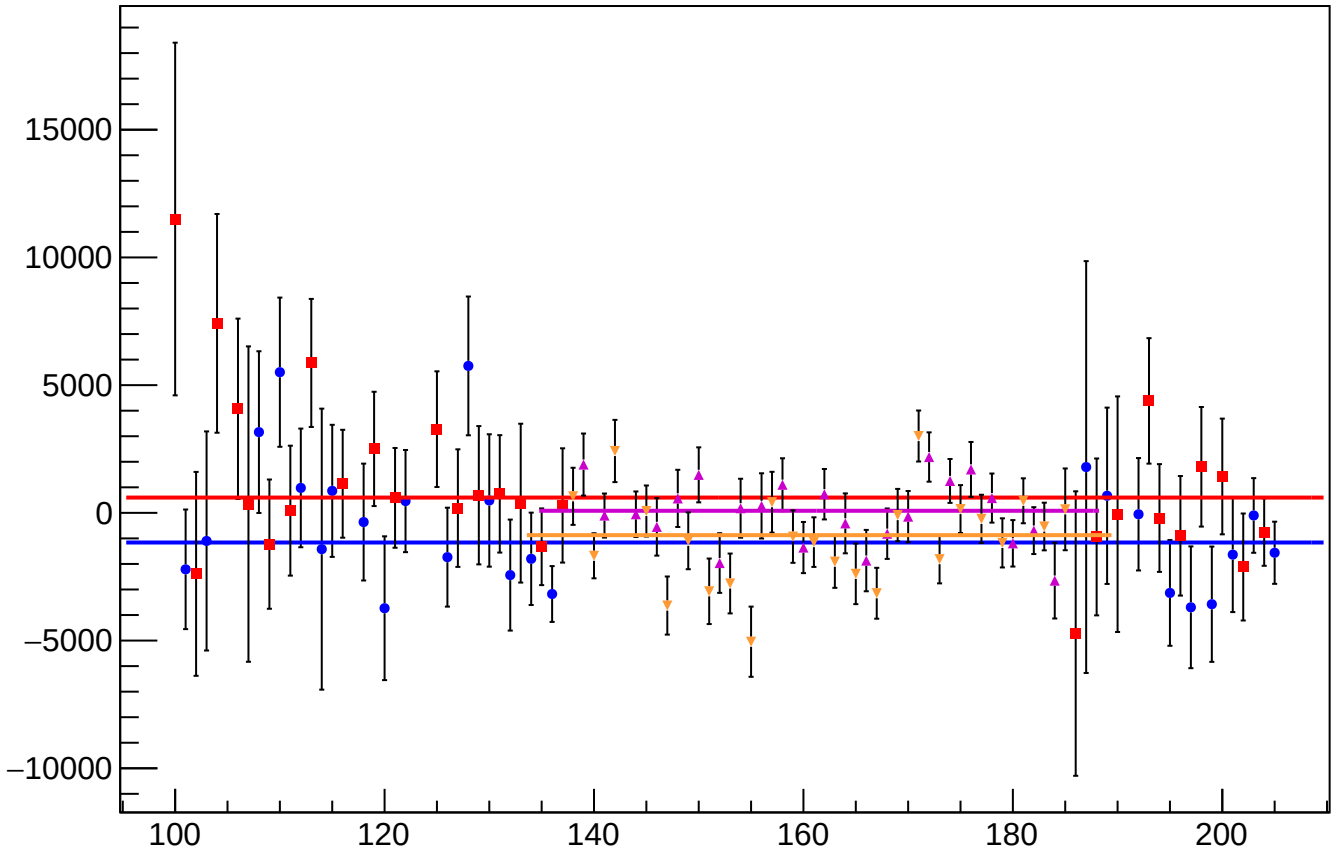
Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

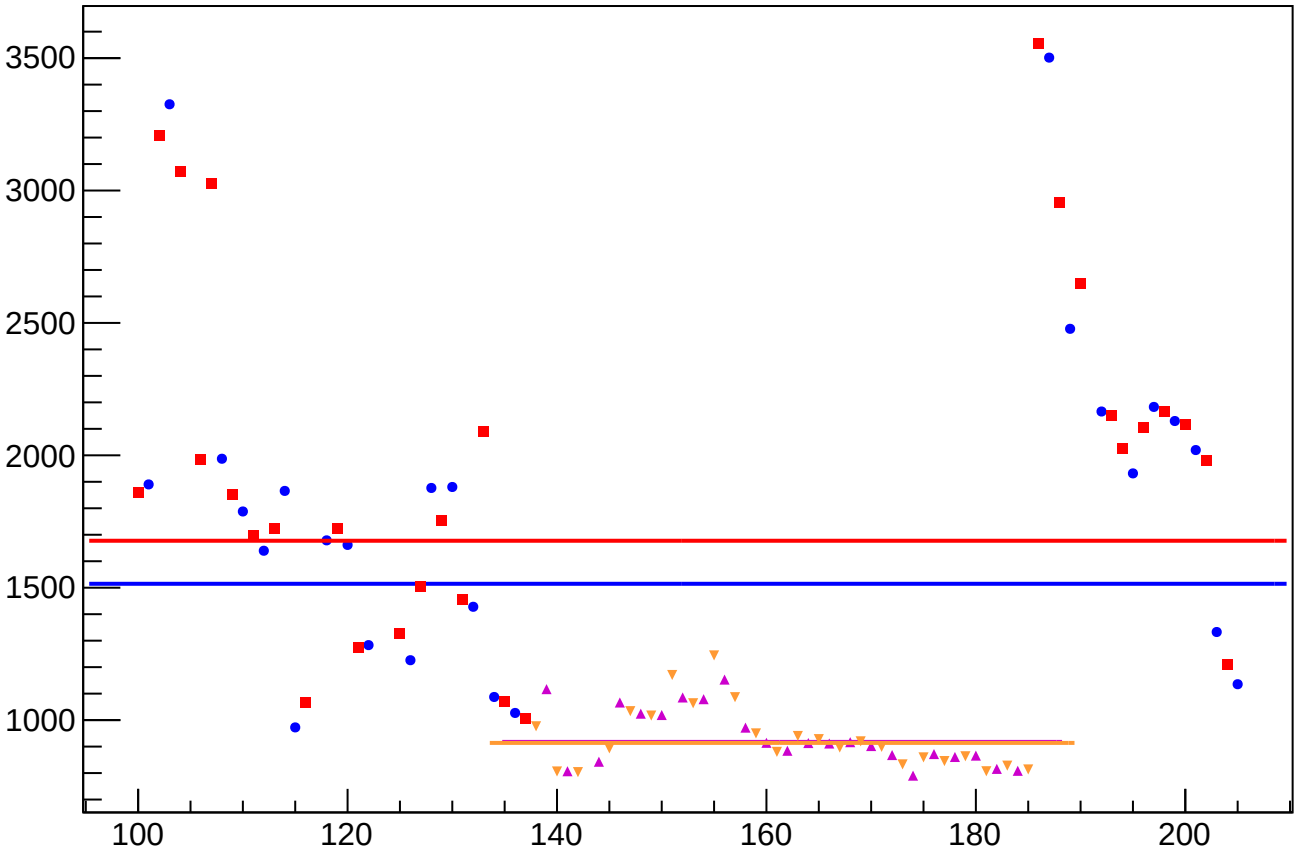
Right: 1807.830+/-0.240 χ^2/NDF: 1037967.0/52

In: 1760.196+/-0.220 χ^2/NDF:732014.3/47

Out: 1768.350+/-0.217 χ^2/NDF:364775.6/51

All: 1764.328+/-0.154 χ^2/NDF: 1097487.8/99


asym_us_dd_at1lr_dd_dd_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1160.695+/-424.514 χ²/NDF: 25.7/24
Left Out: -872.827+/-214.008 χ²/NDF:62.0/23
Right Out: 598.911+/-456.754 χ²/NDF: 22.7/27
Left In: 81.519+/-215.913 χ²/NDF:30.0/22
Left: -399.884+/-151.996 χ²/NDF: 101.8/46
Right: -345.178+/-310.950 χ²/NDF: 56.4/52
In: -173.782+/-192.451 χ²/NDF:62.5/47
Out: -607.896+/-193.791 χ²/NDF:93.2/51
All: -389.334+/-136.555 χ²/NDF: 158.2/99



Right In: 1514.817+/-0.300 χ^2/NDF: 2412739.0/24

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1677.365+/-0.323 χ^2/NDF: 2816184.6/27

Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

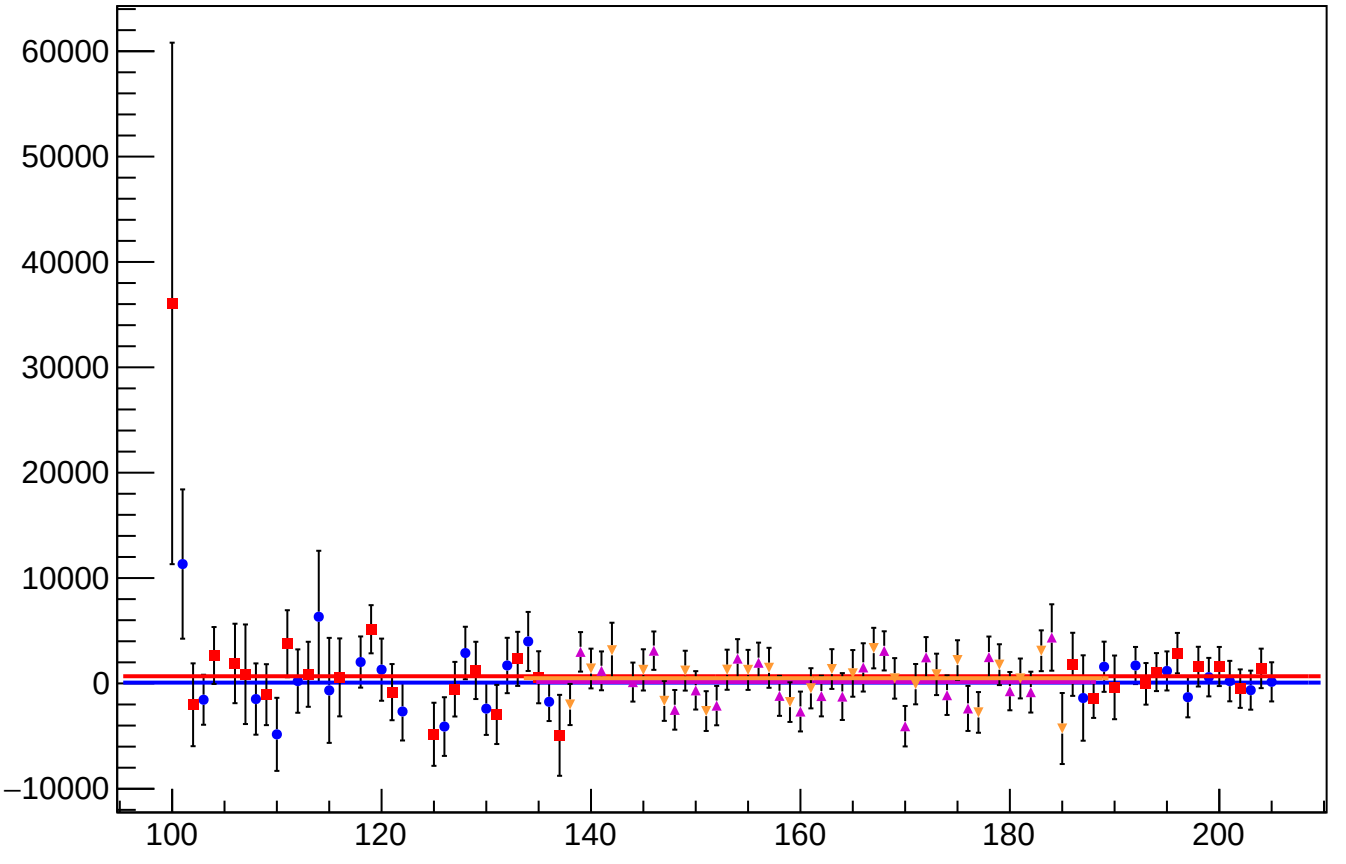
Left: 915.770+/-0.107 χ^2/NDF: 893657.1/46

Right: 1590.152+/-0.220 χ^2/NDF: 5364826.8/52

In: 1040.400+/-0.136 χ^2/NDF:5987253.5/47

Out: 1051.332+/-0.137 χ^2/NDF:7861019.3/51

All: 1045.828+/-0.097 χ^2/NDF: 13851477.2/9



Right In: 76.166+/-484.529 χ^2/NDF: 18.4/24

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: 680.127+/-473.898 χ^2/NDF: 20.5/27

Left In: 137.163+/-404.995 χ^2/NDF:29.6/22

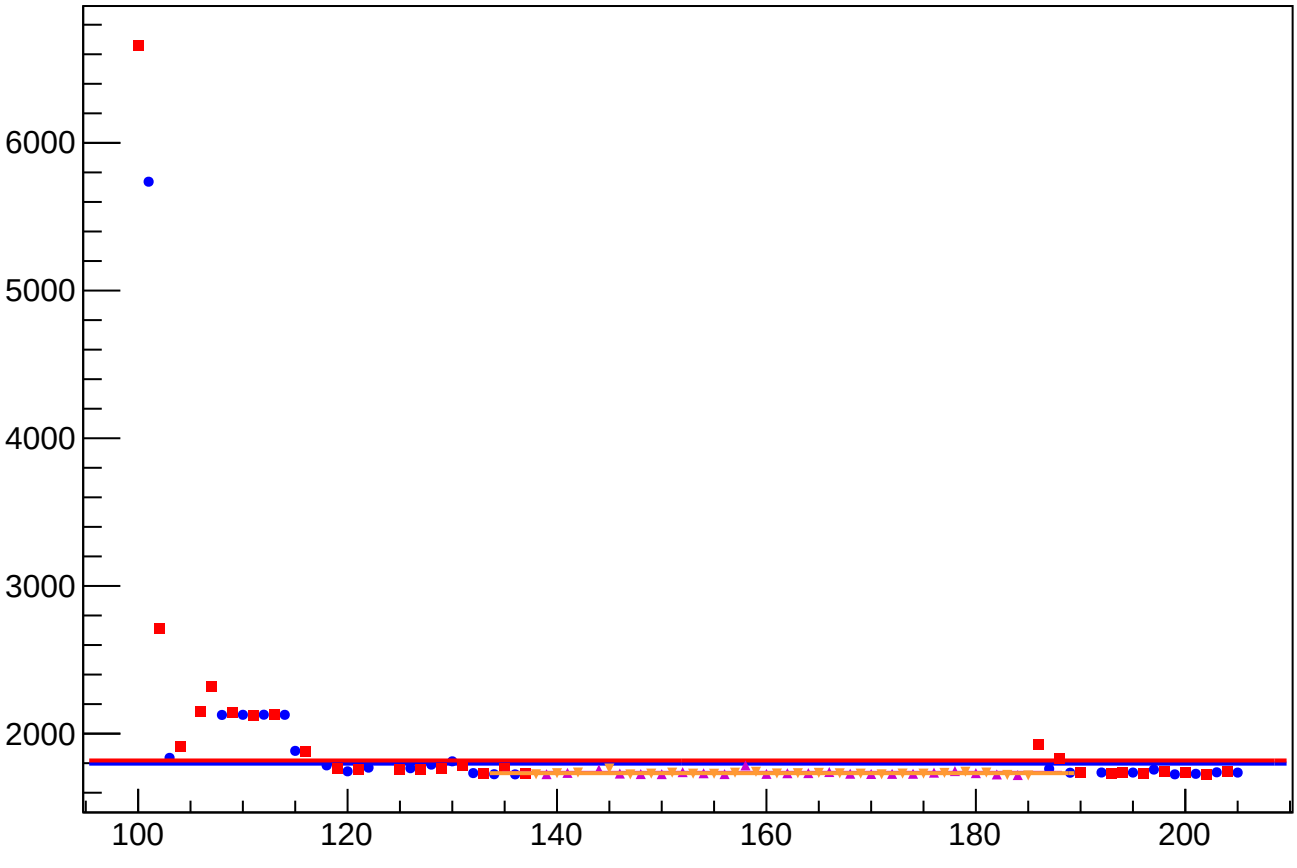
Left: 317.327+/-285.335 χ^2/NDF: 50.0/46

Right: 384.845+/-338.793 χ^2/NDF: 39.7/52

In: 112.075+/-310.740 χ^2/NDF:47.9/47

Out: 572.425+/-306.590 χ^2/NDF:40.7/51

All: 345.345+/-218.244 χ^2/NDF: 89.7/99



Right In: 1796.877+/-0.343 χ^2/NDF: 710327.6/24

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

Right Out: 1818.307+/-0.335 χ^2/NDF: 325639.5/27

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

Left: 1733.471+/-0.202 χ^2/NDF: 3155.7/46

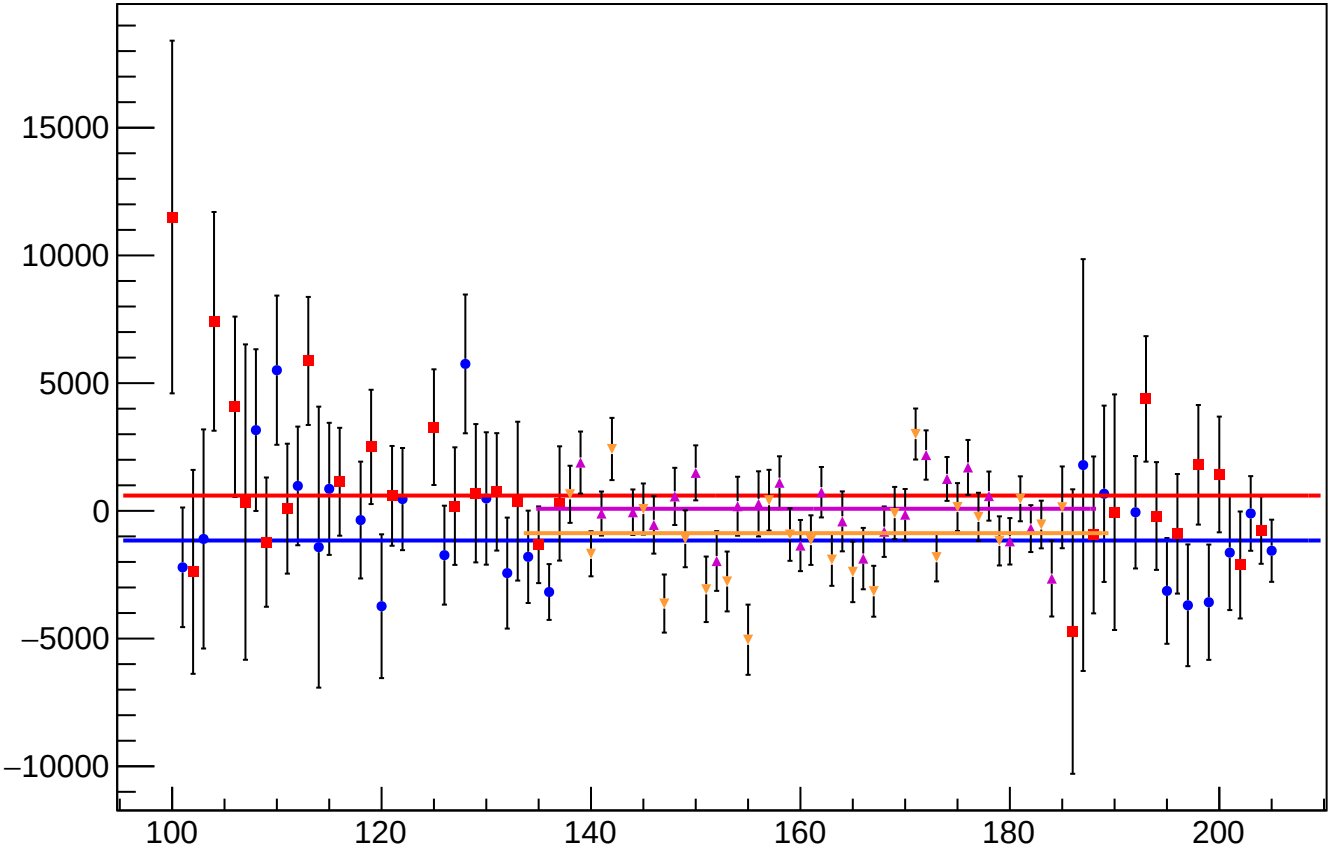
Right: 1807.830+/-0.240 χ^2/NDF: 1037966.7/52

In: 1760.196+/-0.220 χ^2/NDF:732014.3/47

Out: 1768.350+/-0.217 χ^2/NDF:364775.3/51

All: 1764.328+/-0.154 χ^2/NDF: 1097487.5/99

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1160.691+/-424.513 χ^2/NDF: 25.7/24

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

Right Out: 598.912+/-456.753 χ^2/NDF: 22.7/27

Left In: 81.518+/-215.913 χ^2/NDF:30.0/22

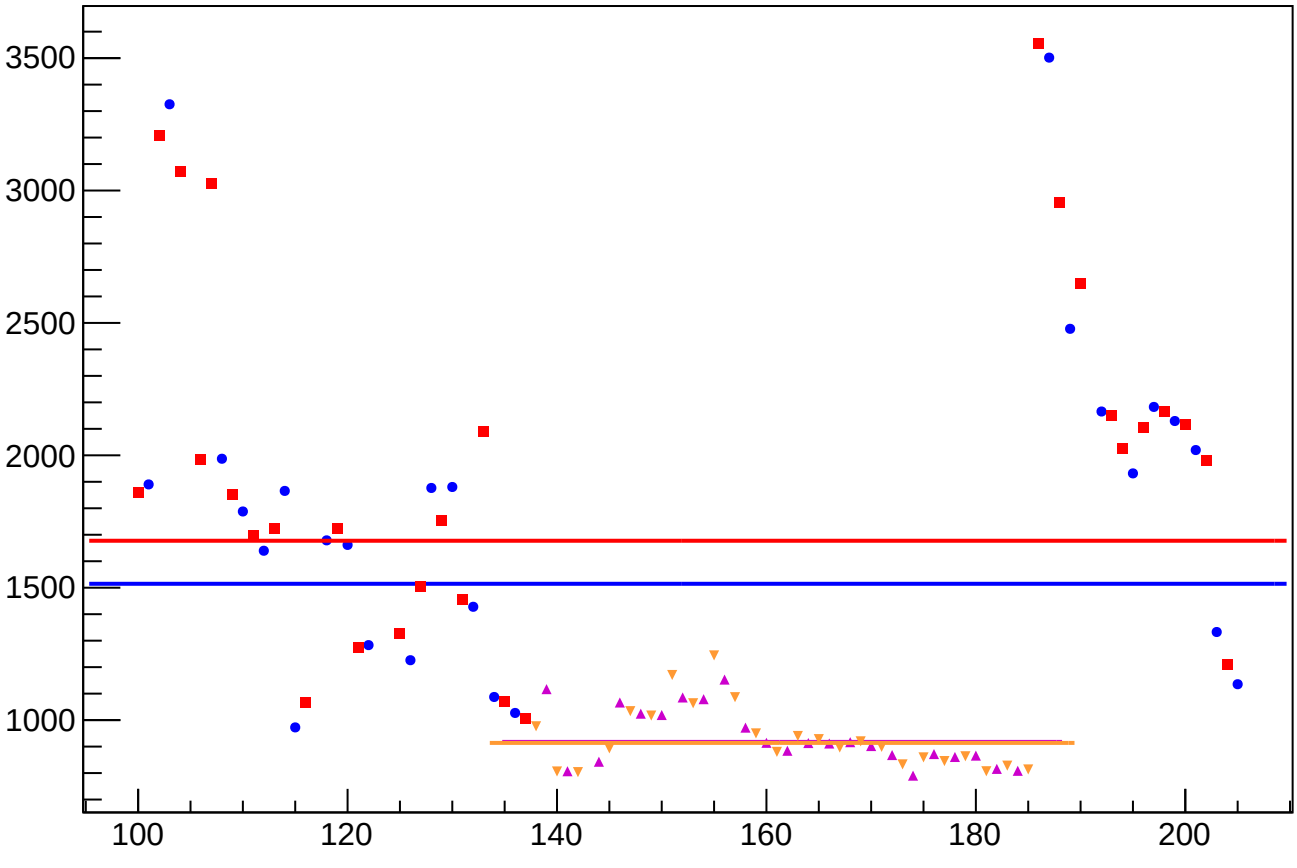
Left: -399.884+/-151.996 χ^2/NDF: 101.8/46

Right: -345.176+/-310.950 χ^2/NDF: 56.4/52

In: -173.783+/-192.451 χ^2/NDF:62.5/47

Out: -607.895+/-193.791 χ^2/NDF:93.2/51

All: -389.333+/-136.555 χ^2/NDF: 158.2/99



Right In: 1514.815+/-0.300 χ^2/NDF: 2412739.3/24

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1677.364+/-0.323 χ^2/NDF: 2816189.7/27

Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

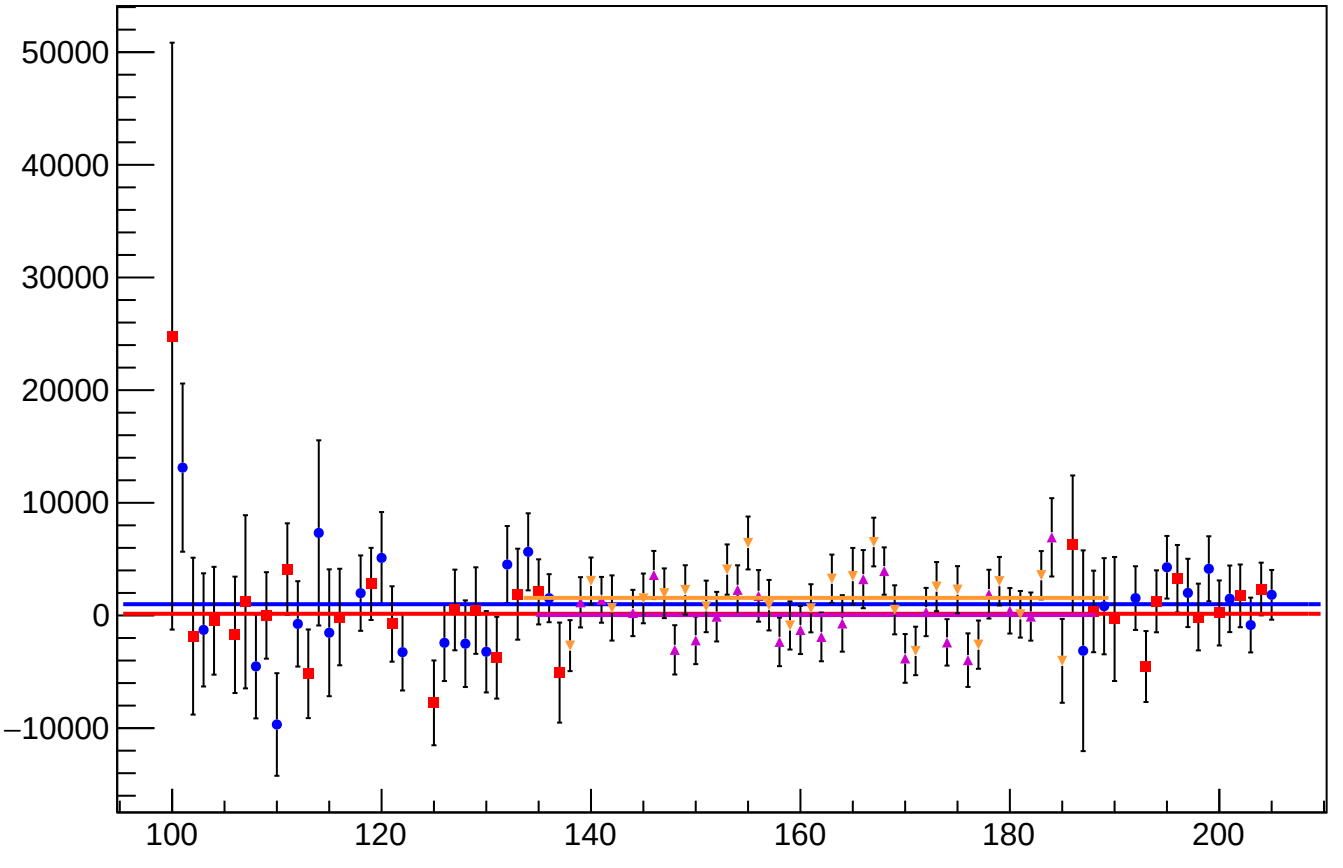
Left: 915.769+/-0.107 χ^2/NDF: 893676.2/46

Right: 1590.151+/-0.220 χ^2/NDF: 5364832.5/52

In: 1040.399+/-0.136 χ^2/NDF:5987257.0/47

Out: 1051.332+/-0.137 χ^2/NDF:7861024.0/51

All: 1045.827+/-0.097 χ^2/NDF: 13851485.6/9



Right In: 1000.250+/-679.338 χ^2/NDF: 23.3/24

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 149.472+/-689.303 χ^2/NDF: 18.0/27

Left In: 39.885+/-459.938 χ^2/NDF:27.8/22

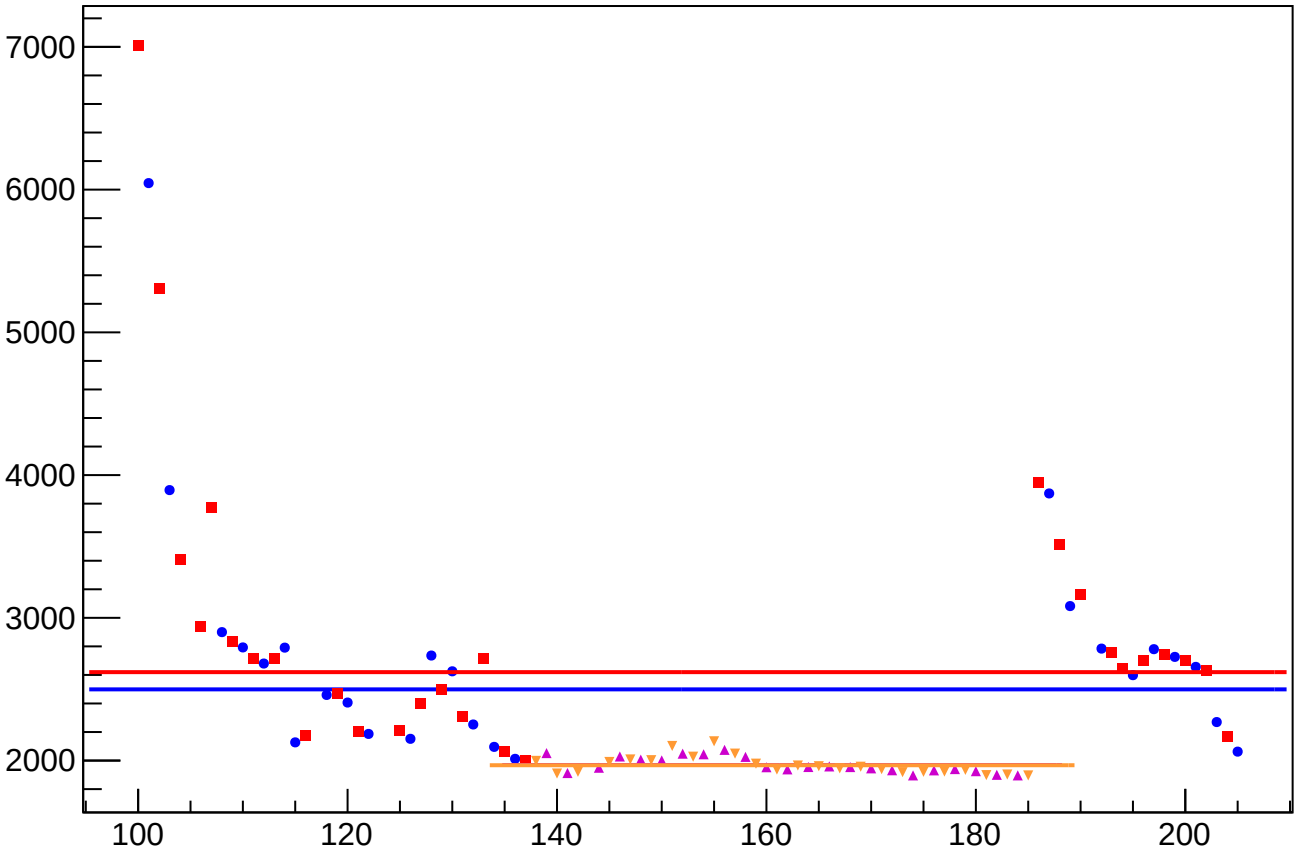
Left: 805.690+/-324.140 χ^2/NDF: 64.6/46

Right: 581.055+/-483.849 χ^2/NDF: 42.1/52

In: 341.735+/-380.858 χ^2/NDF:52.5/47

Out: 1130.405+/-380.824 χ^2/NDF:52.1/51

All: 736.105+/-269.296 χ^2/NDF: 106.8/99



Right In: 2498.831+/-0.480 χ^2/NDF: 1075643.5/24

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

Right Out: 2619.574+/-0.487 χ^2/NDF: 1007162.4/27

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

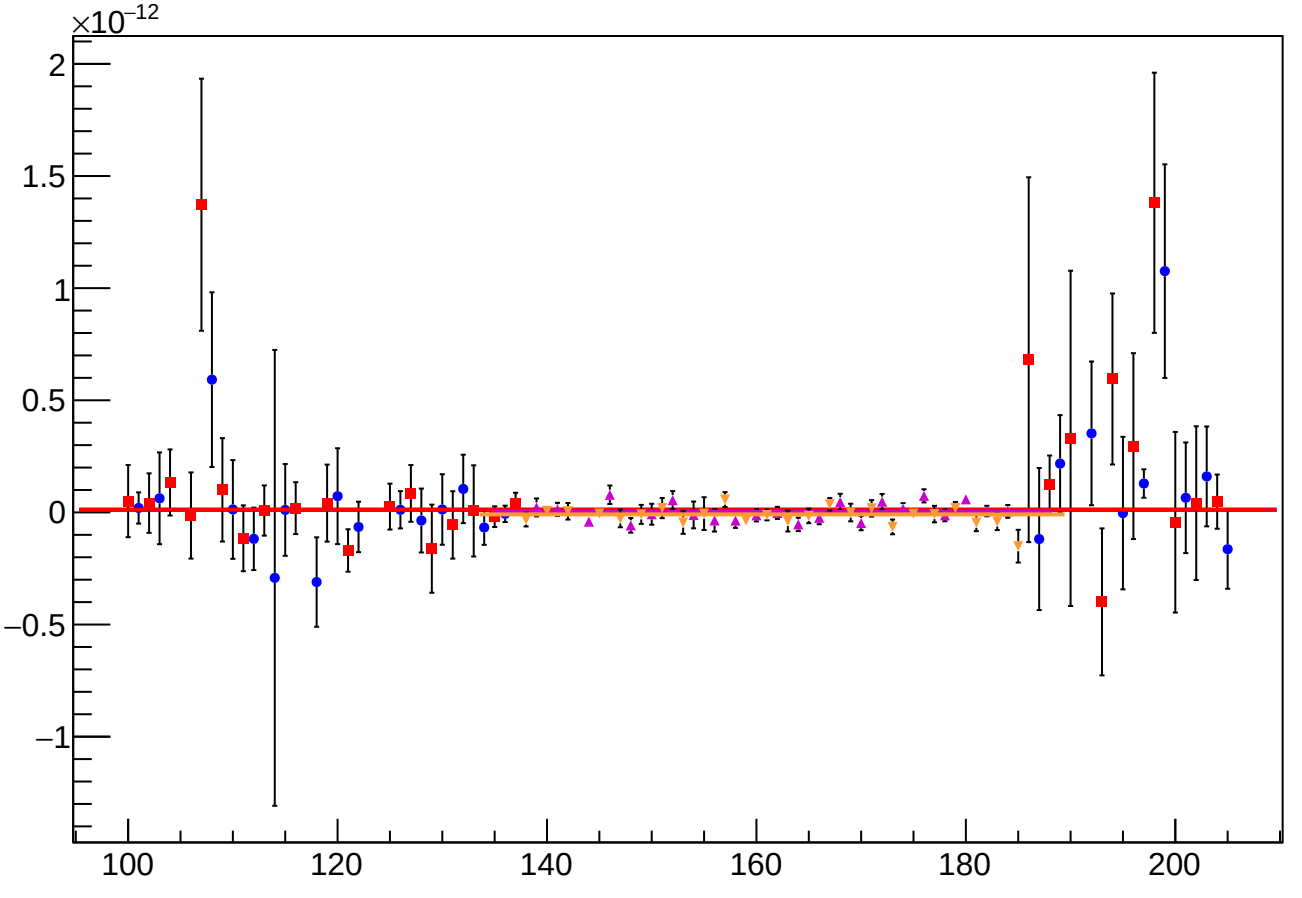
Left: 1968.213+/-0.229 χ^2/NDF: 60752.9/46

Right: 2558.323+/-0.342 χ^2/NDF: 2113936.1/52

In: 2135.545+/-0.269 χ^2/NDF:1936280.4/47

Out: 2166.475+/-0.269 χ^2/NDF:2285198.3/51

All: 2151.012+/-0.190 χ^2/NDF: 4228074.8/99



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.0/27

Left In: 0.000+/-0.000 χ^2/NDF:38.9/22

Left: -0.000+/-0.000 χ^2/NDF: 61.3/46

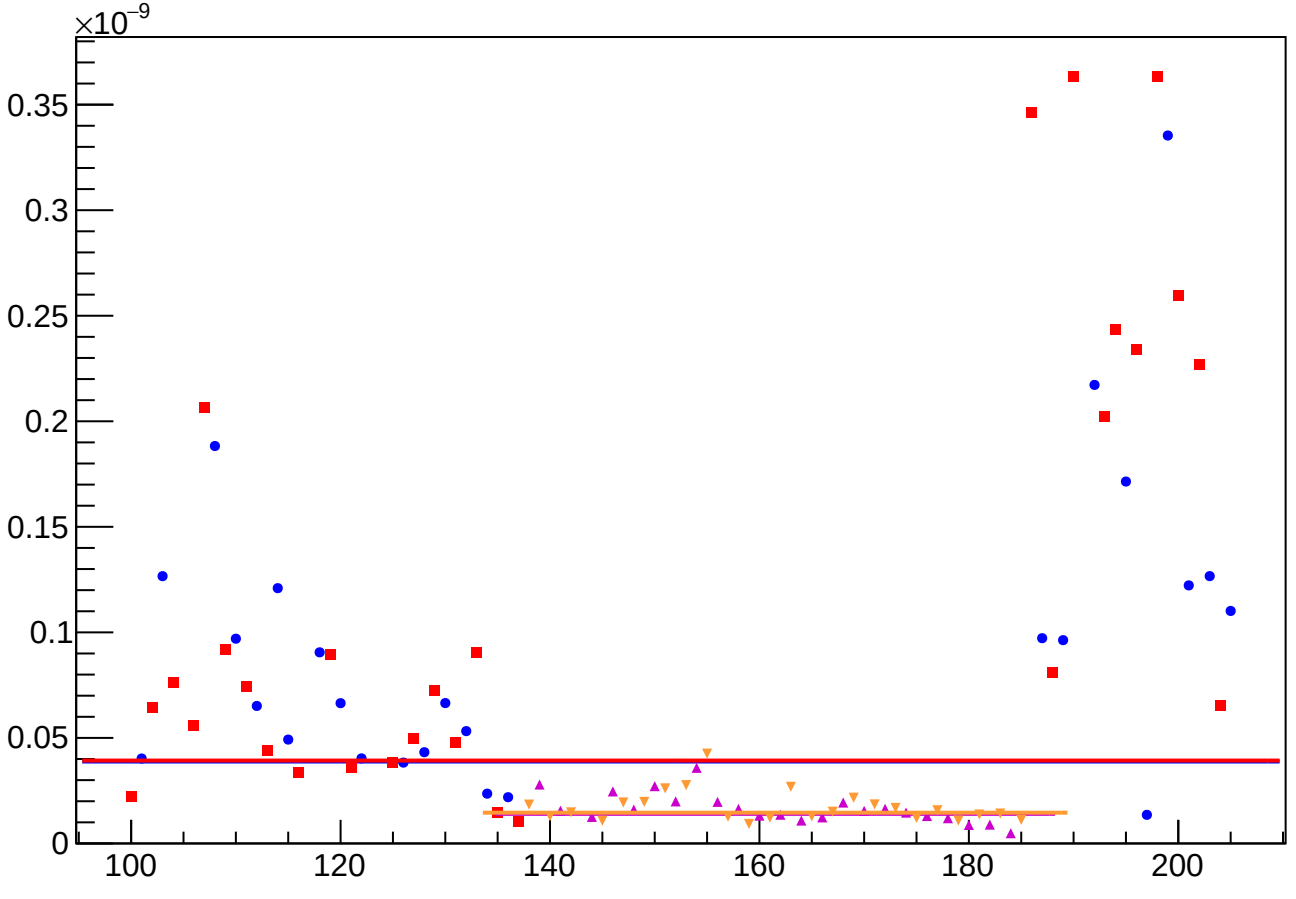
Right: 0.000+/-0.000 χ^2/NDF: 45.3/52

In: 0.000+/-0.000 χ^2/NDF:59.4/47

Out: -0.000+/-0.000 χ^2/NDF:46.6/51

All: -0.000+/-0.000 χ^2/NDF: 107.4/99

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4745107.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6570451.8/27

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

Left: 0.000+/-0.000 χ^2/NDF: 2616610.3/46

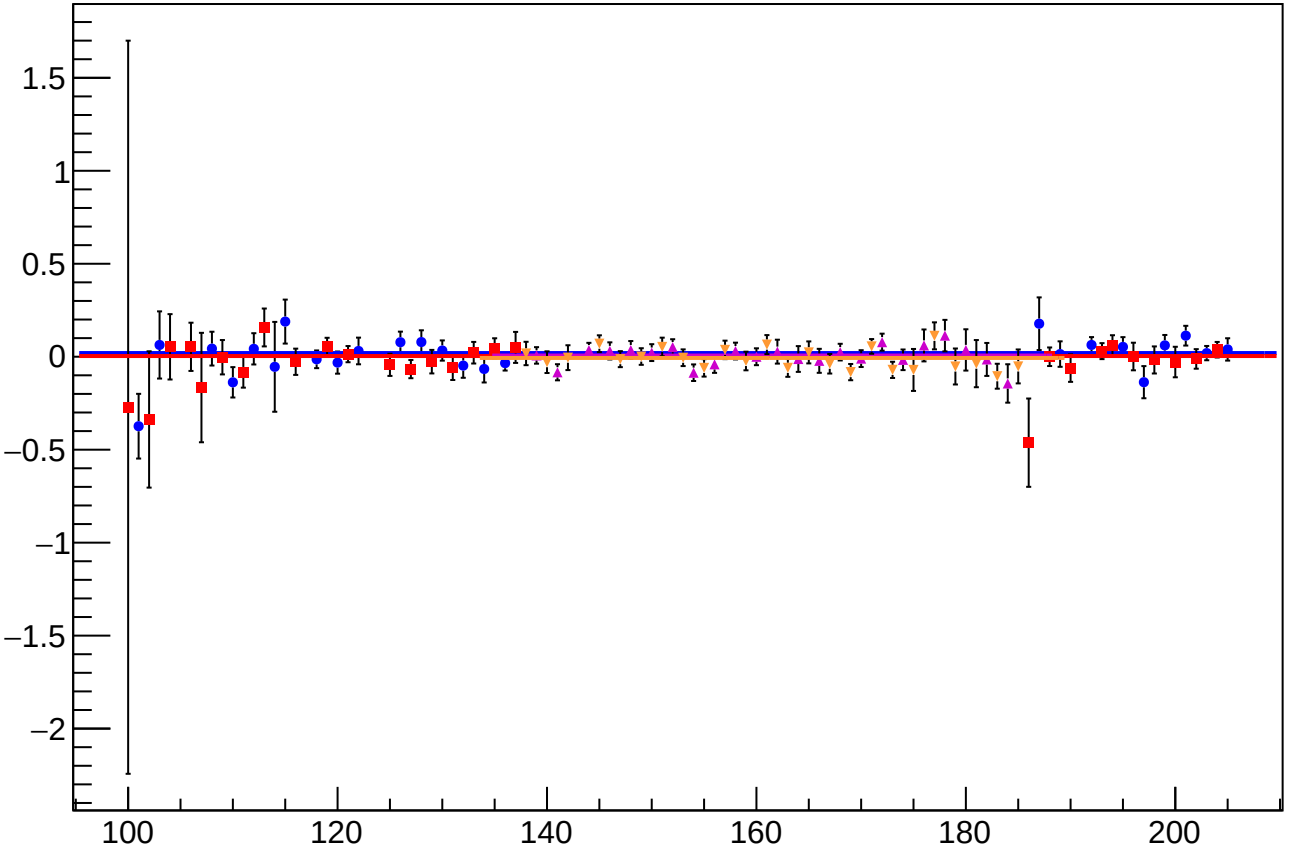
Right: 0.000+/-0.000 χ^2/NDF: 11315963.5/52

In: 0.000+/-0.000 χ^2/NDF:8487440.1/47

Out: 0.000+/-0.000 χ^2/NDF:9848872.5/51

All: 0.000+/-0.000 χ^2/NDF: 18342066.5/99

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

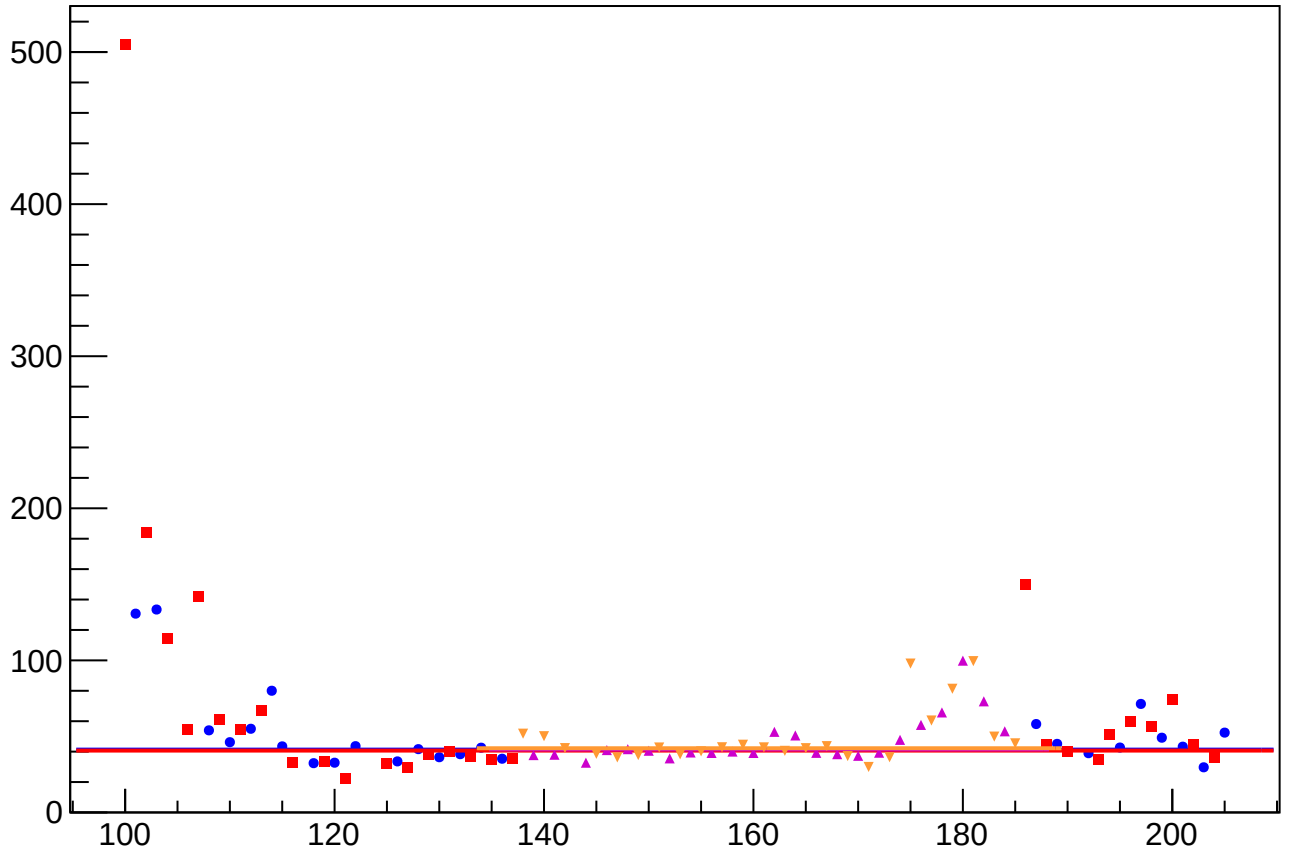
Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

Right: 0.012+/-0.009 χ^2/NDF: 47.2/52

In: 0.012+/-0.008 χ^2/NDF:49.2/47

Out: -0.002+/-0.008 χ^2/NDF:42.2/51

All: 0.005+/-0.006 χ^2/NDF: 92.9/99



Right In: 41.310+/-0.009 χ^2/NDF: 1994257.5/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.692+/-0.009 χ^2/NDF: 3078051.5/27

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

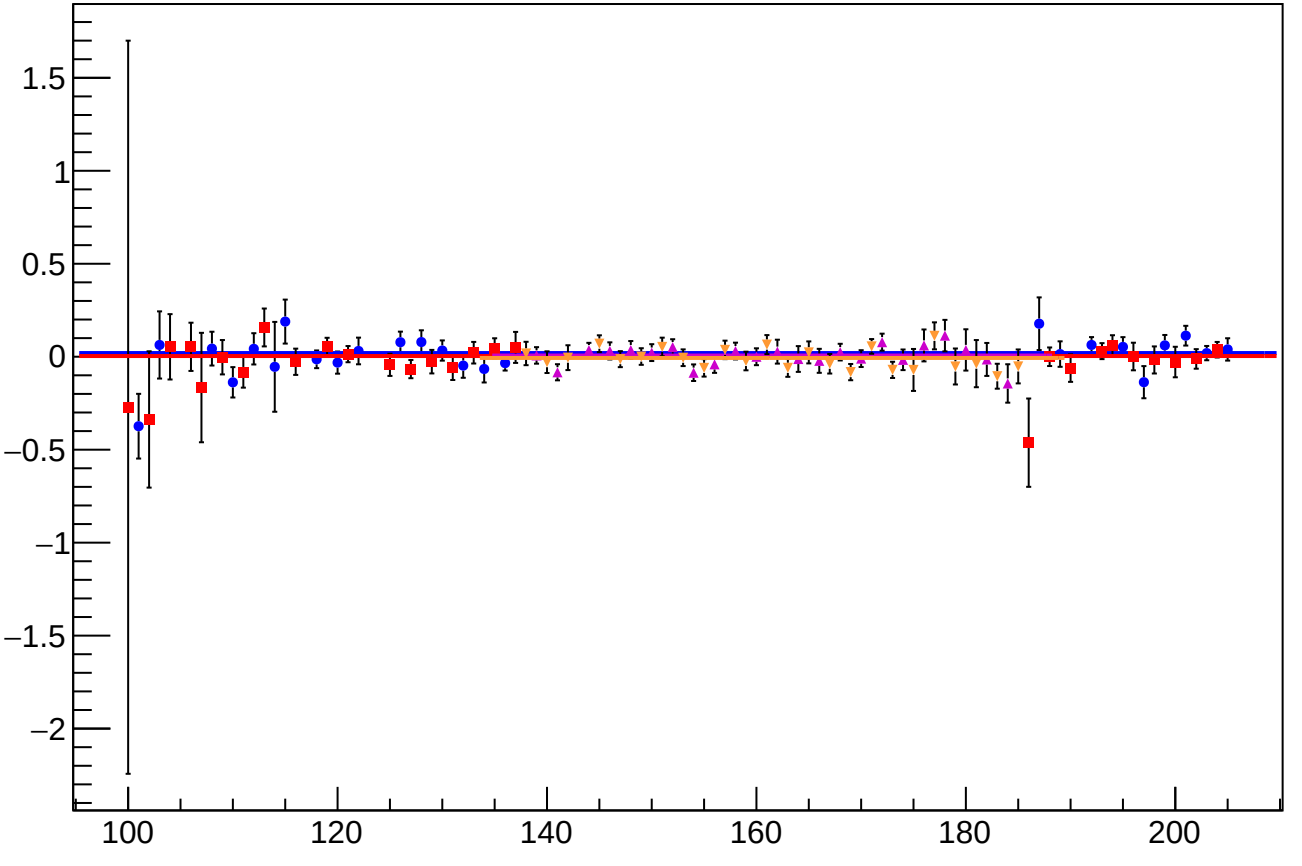
Right: 40.998+/-0.006 χ^2/NDF: 5074764.7/52

In: 41.374+/-0.006 χ^2/NDF:3406525.5/47

Out: 41.546+/-0.006 χ^2/NDF:4914250.9/51

All: 41.460+/-0.004 χ^2/NDF: 8321220.1/99

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

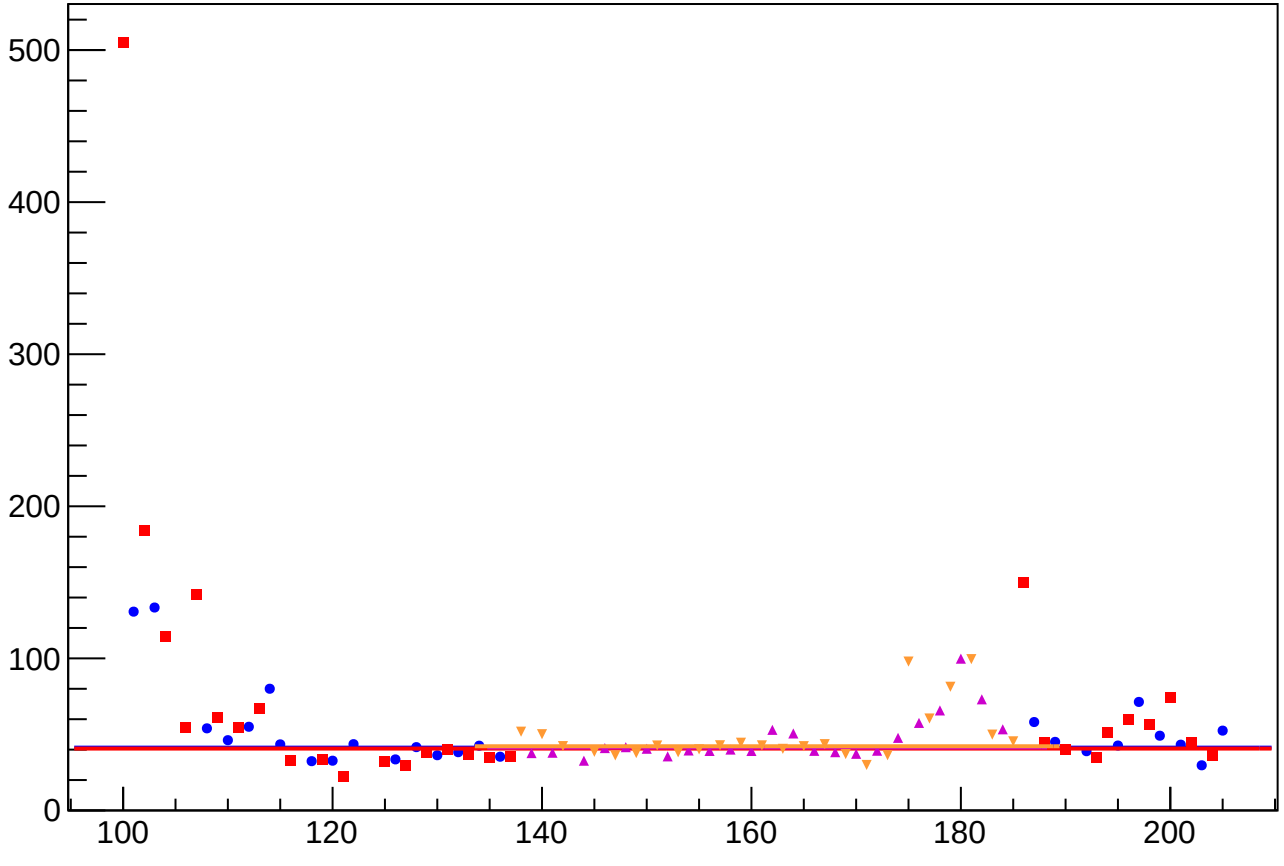
Right: 0.012+/-0.009 χ^2/NDF: 47.2/52

In: 0.012+/-0.008 χ^2/NDF:49.2/47

Out: -0.002+/-0.008 χ^2/NDF:42.2/51

All: 0.005+/-0.006 χ^2/NDF: 92.9/99

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.310+/-0.009 χ^2/NDF: 1994257.5/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

Right Out: 40.692+/-0.009 χ^2/NDF: 3078051.5/27

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

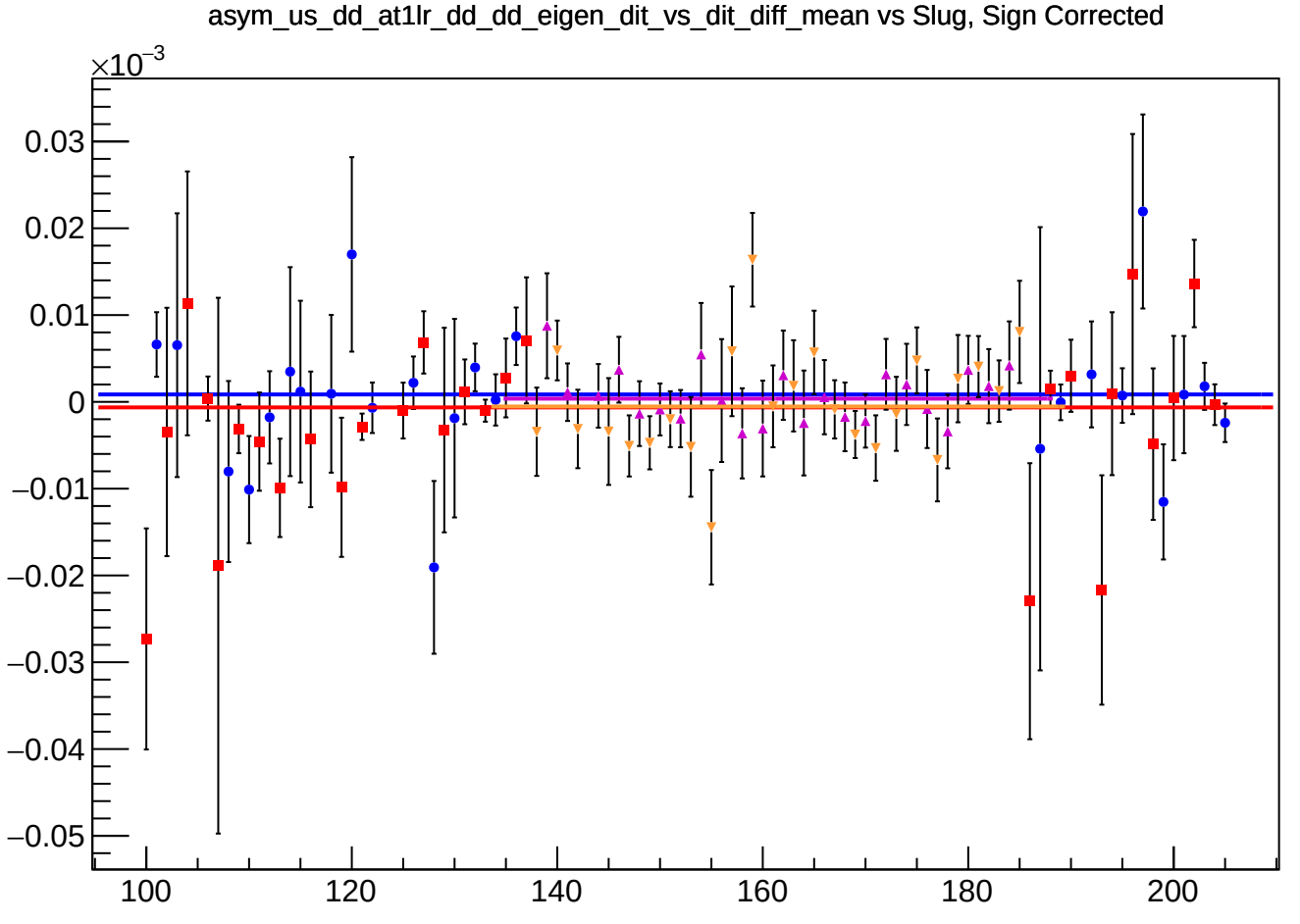
Left: 41.808+/-0.005 χ^2/NDF: 3236828.7/46

Right: 40.998+/-0.006 χ^2/NDF: 5074764.7/52

In: 41.374+/-0.006 χ^2/NDF:3406525.5/47

Out: 41.546+/-0.006 χ^2/NDF:4914250.9/51

All: 41.460+/-0.004 χ^2/NDF: 8321220.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/27

Left In: 0.000+/-0.000 χ^2/NDF:9.7/22

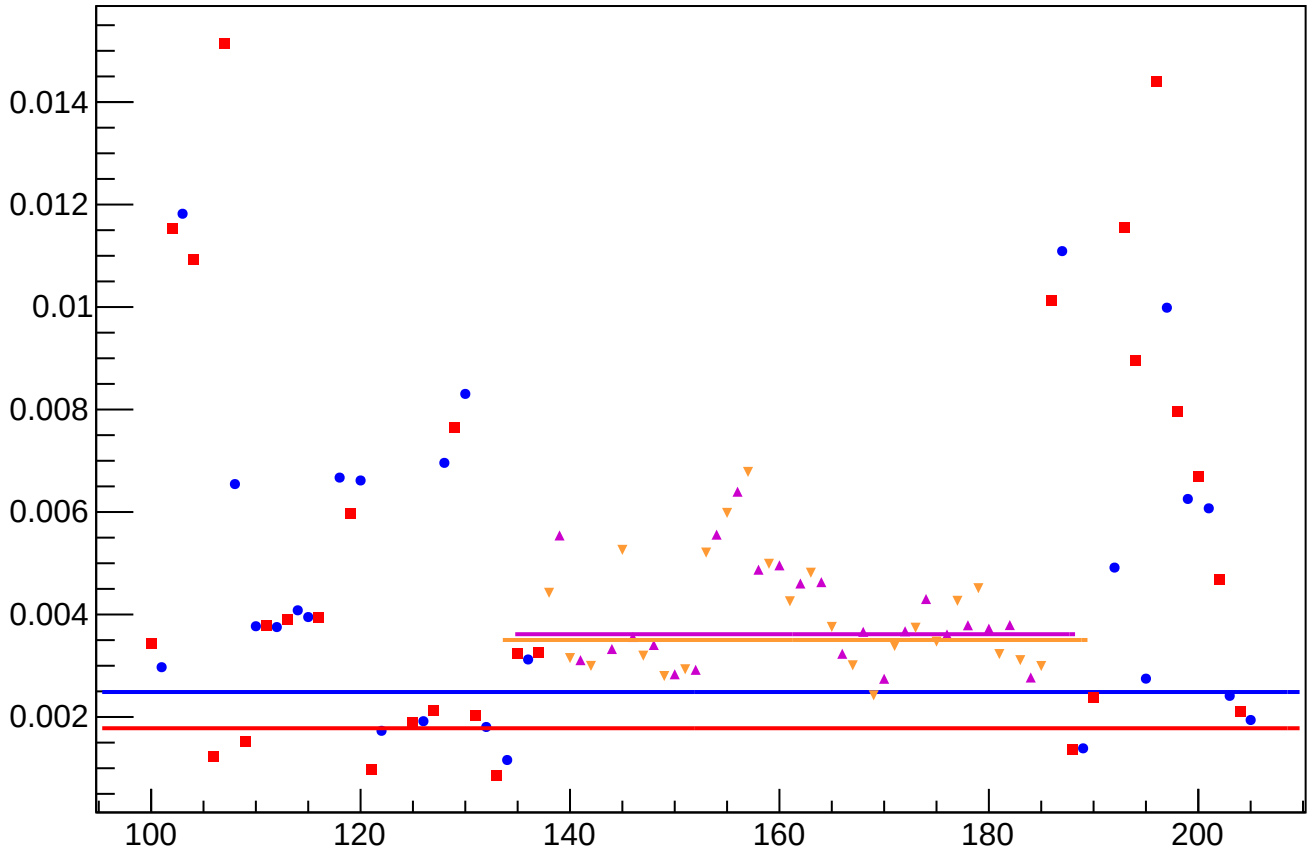
Left: -0.000+/-0.000 χ^2/NDF: 47.1/46

Right: -0.000+/-0.000 χ^2/NDF: 65.7/52

In: 0.000+/-0.000 χ^2/NDF:38.3/47

Out: -0.000+/-0.000 χ^2/NDF:72.1/51

All: -0.000+/-0.000 χ^2/NDF: 112.8/99



Right In: 0.002+/-0.000 χ^2/NDF: 7149700.0/24

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

Right Out: 0.002+/-0.000 χ^2/NDF: 12672589.2/27

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

Left: 0.004+/-0.000 χ^2/NDF: 3876828.2/46

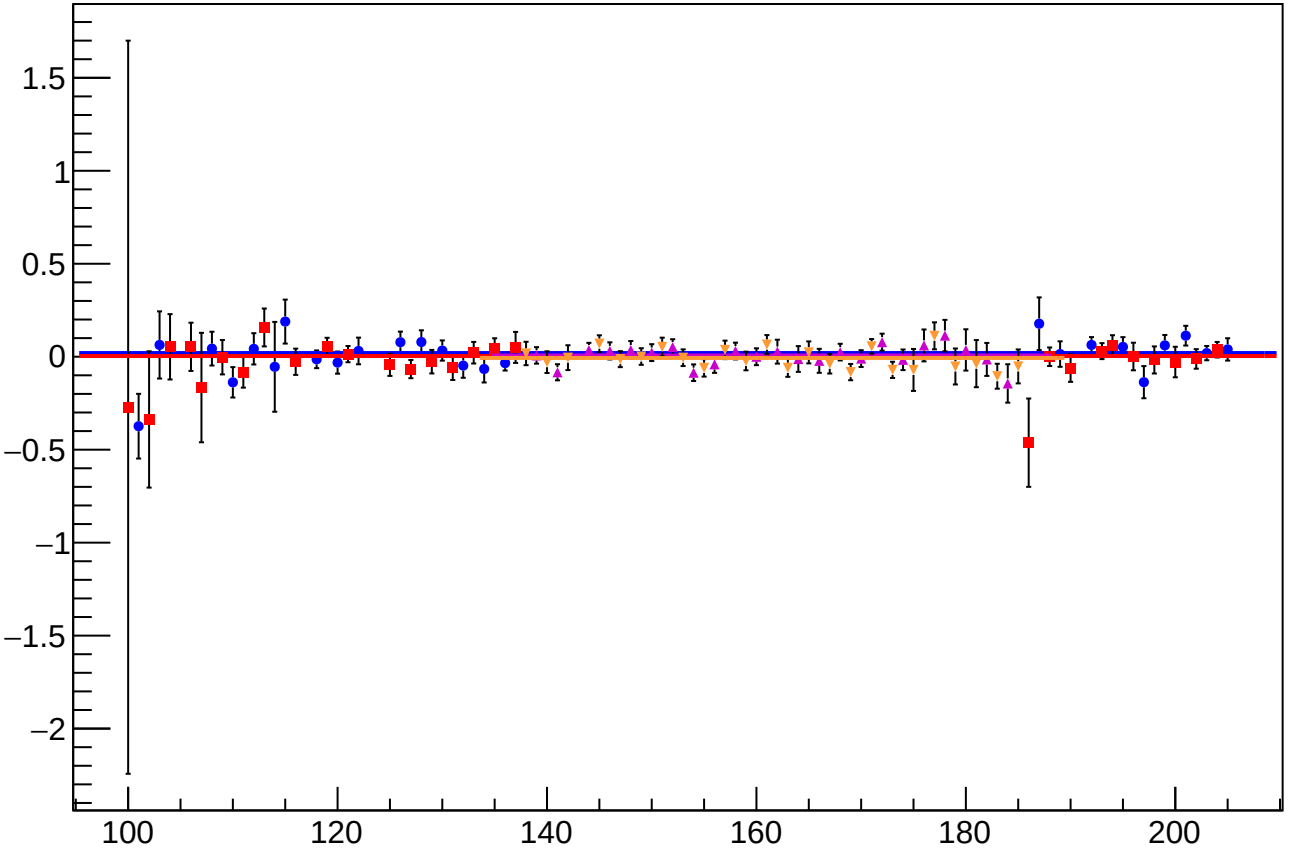
Right: 0.002+/-0.000 χ^2/NDF: 20744075.1/52

In: 0.003+/-0.000 χ^2/NDF:10616667.6/47

Out: 0.002+/-0.000 χ^2/NDF:20065481.0/51

All: 0.003+/-0.000 χ^2/NDF: 31776319.5/99

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

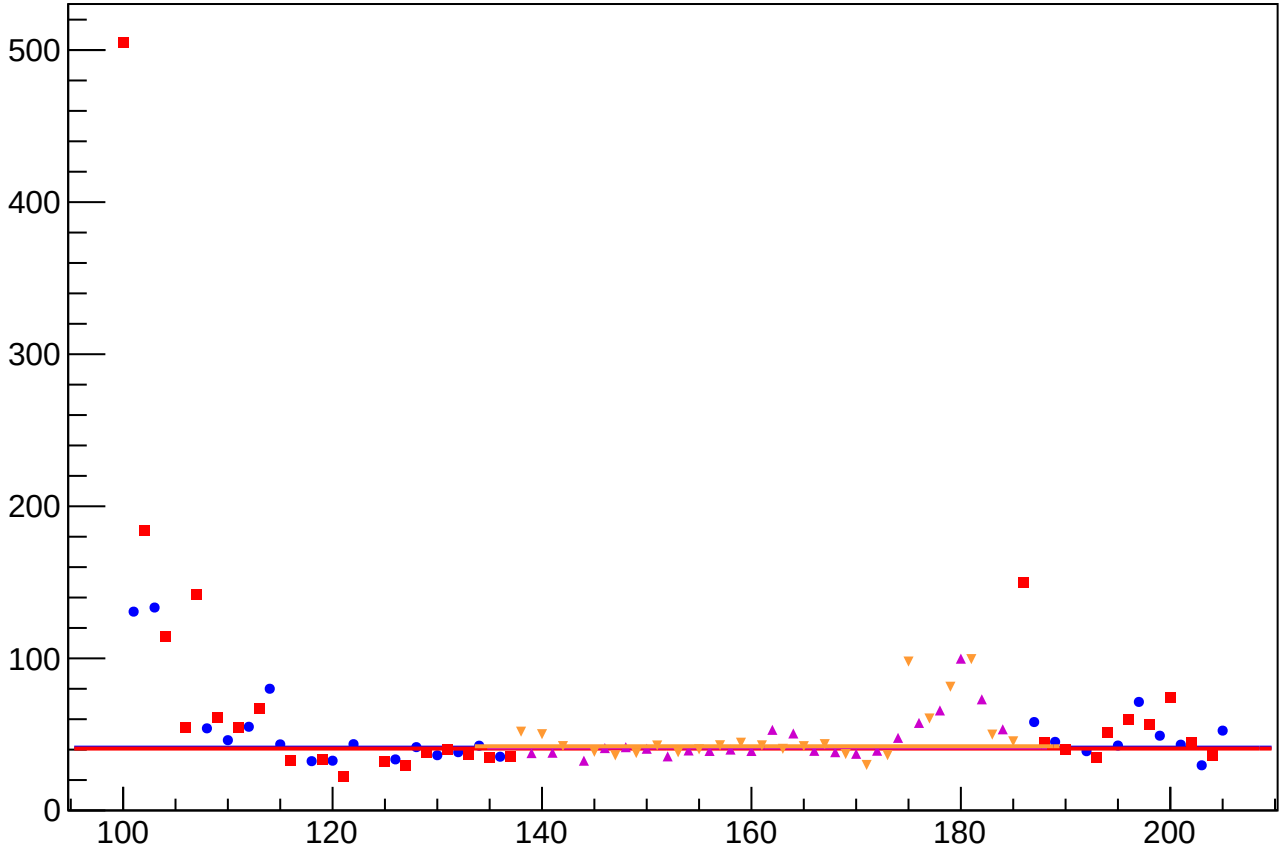
Right: 0.012+/-0.009 χ^2/NDF: 47.2/52

In: 0.012+/-0.008 χ^2/NDF:49.2/47

Out: -0.002+/-0.008 χ^2/NDF:42.2/51

All: 0.005+/-0.006 χ^2/NDF: 92.9/99

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.310+/-0.009 χ^2/NDF: 1994183.4/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.691+/-0.009 χ^2/NDF: 3078237.8/27

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

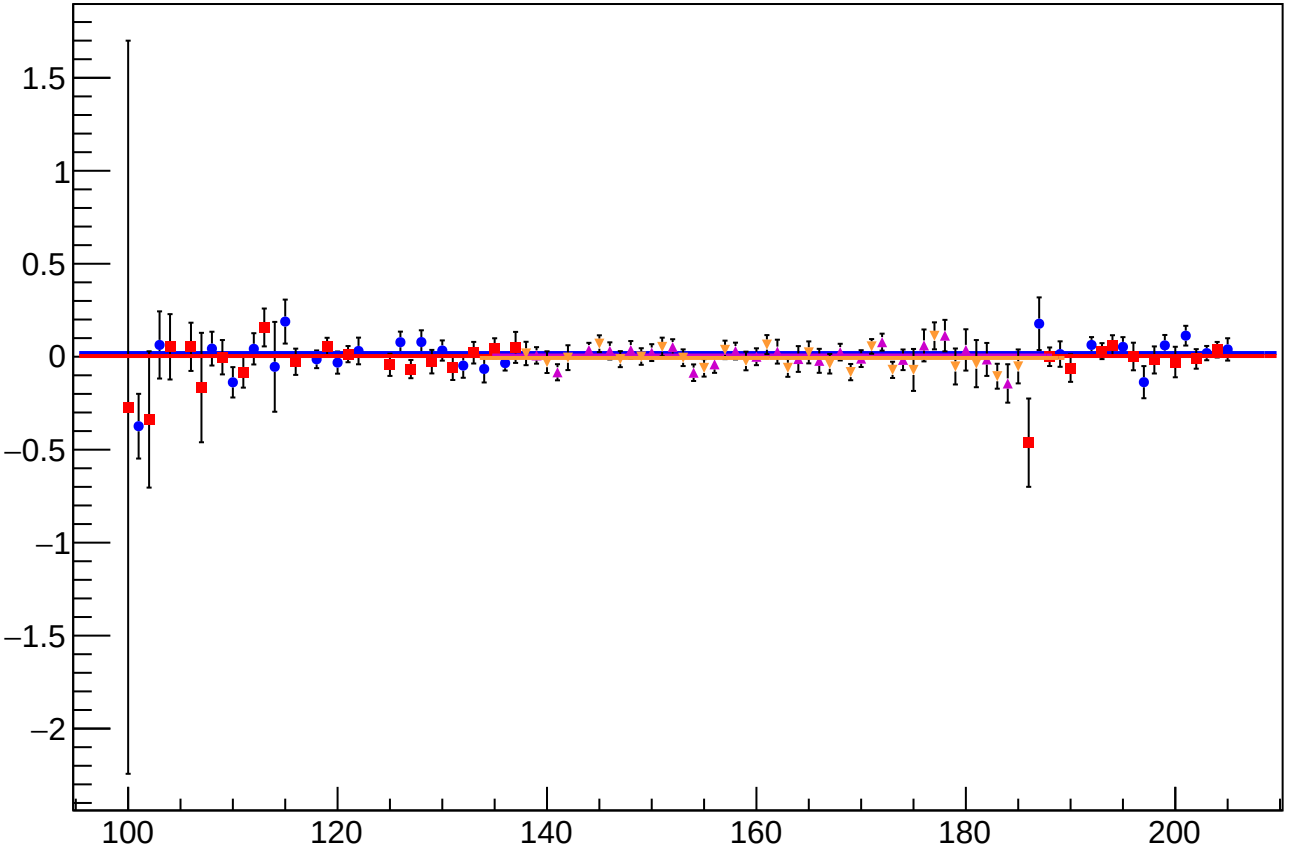
Right: 40.998+/-0.006 χ^2/NDF: 5074887.1/52

In: 41.374+/-0.006 χ^2/NDF:3406384.4/47

Out: 41.545+/-0.006 χ^2/NDF:4914457.8/51

All: 41.459+/-0.004 χ^2/NDF: 8321282.7/99

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: 0.004+/-0.012 χ^2/NDF: 17.9/27

Left In: 0.006+/-0.011 χ^2/NDF:20.1/22

Left: -0.000+/-0.008 χ^2/NDF: 44.7/46

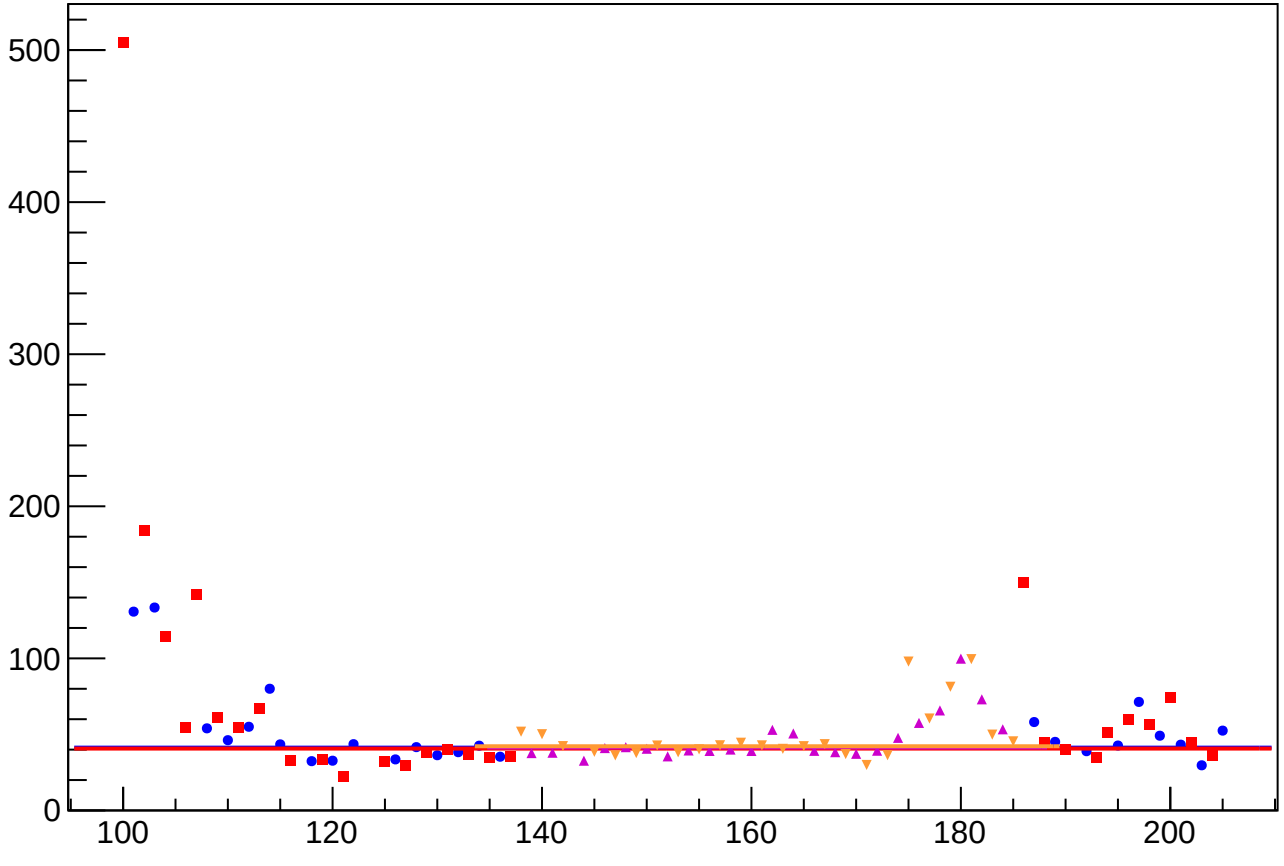
Right: 0.012+/-0.009 χ^2/NDF: 47.2/52

In: 0.012+/-0.008 χ^2/NDF:49.2/47

Out: -0.002+/-0.008 χ^2/NDF:42.2/51

All: 0.005+/-0.006 χ^2/NDF: 92.9/99

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.310+/-0.009 χ^2/NDF: 1994183.4/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 40.691+/-0.009 χ^2/NDF: 3078237.8/27

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

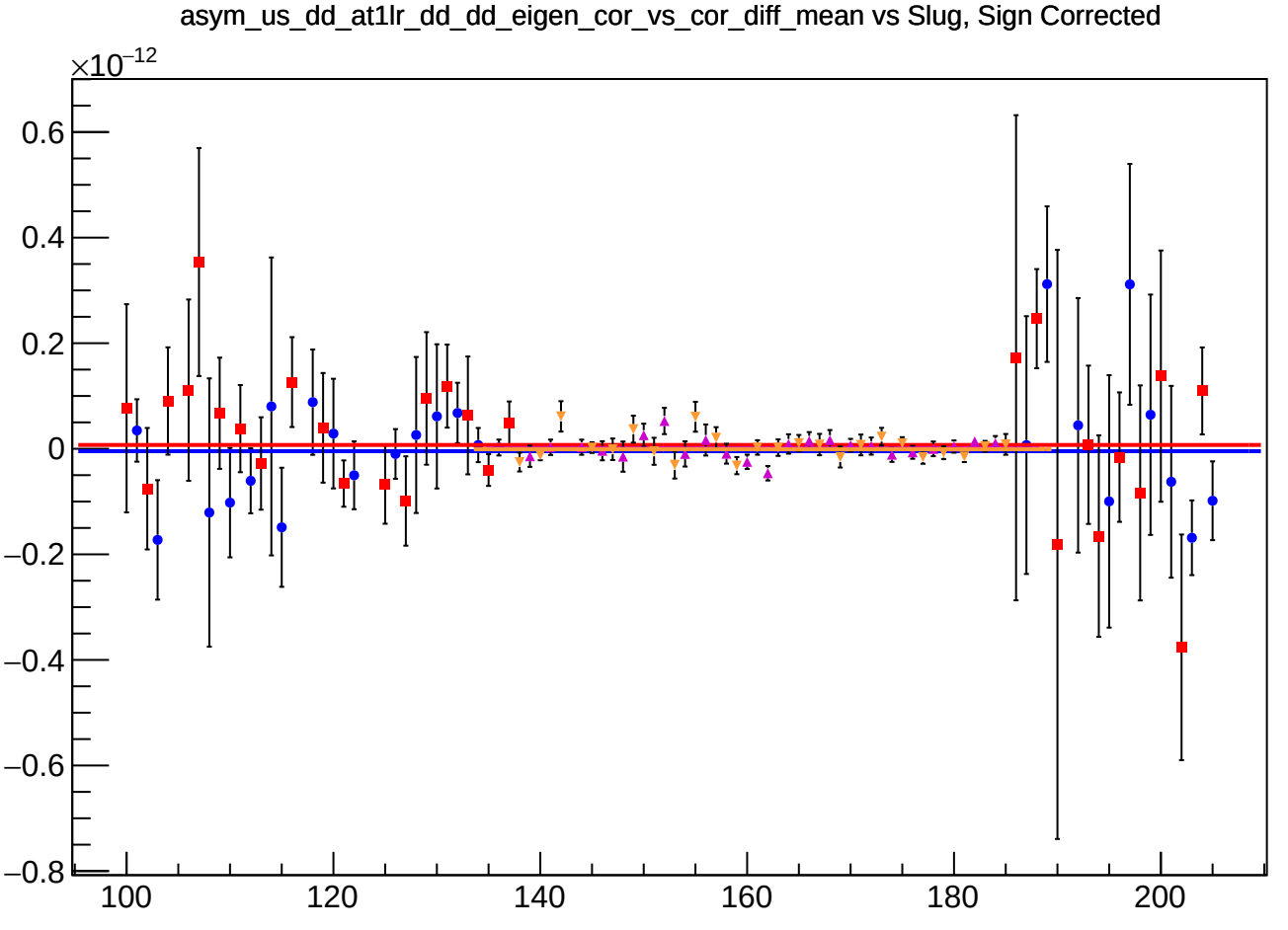
Left: 41.808+/-0.005 χ^2/NDF: 3236767.5/46

Right: 40.998+/-0.006 χ^2/NDF: 5074887.1/52

In: 41.374+/-0.006 χ^2/NDF:3406384.4/47

Out: 41.545+/-0.006 χ^2/NDF:4914457.8/51

All: 41.459+/-0.004 χ^2/NDF: 8321282.7/99



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.4/27

Left In: 0.000+/-0.000 χ^2/NDF:28.3/22

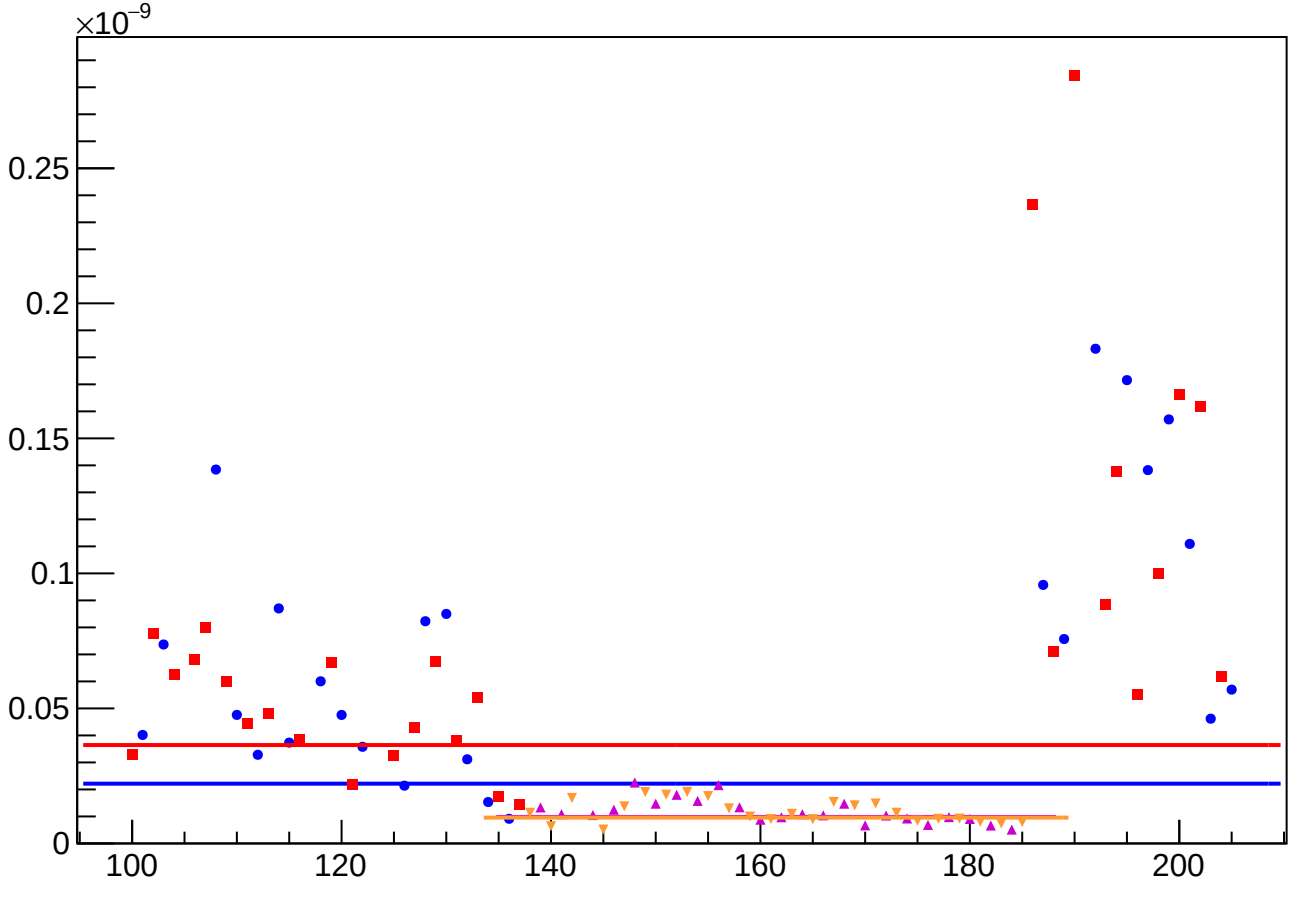
Left: -0.000+/-0.000 χ^2/NDF: 57.9/46

Right: -0.000+/-0.000 χ^2/NDF: 55.7/52

In: 0.000+/-0.000 χ^2/NDF:52.4/47

Out: -0.000+/-0.000 χ^2/NDF:61.2/51

All: -0.000+/-0.000 χ^2/NDF: 113.6/99



Right In: 0.000+/-0.000 χ^2/NDF: 8711216.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6219396.4/27

Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

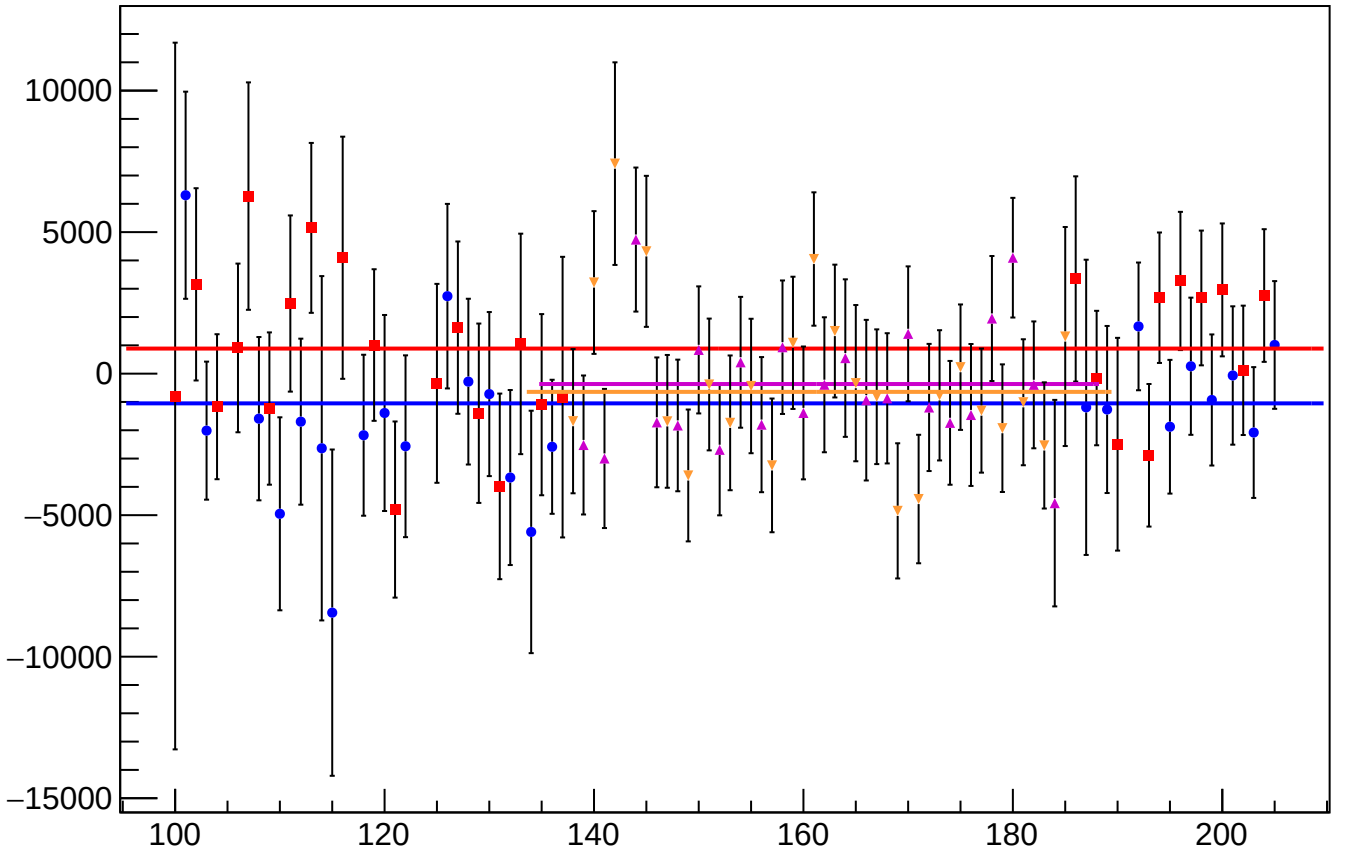
Left: 0.000+/-0.000 χ^2/NDF: 4701887.7/46

Right: 0.000+/-0.000 χ^2/NDF: 16051737.7/52

In: 0.000+/-0.000 χ^2/NDF:13216582.4/47

Out: 0.000+/-0.000 χ^2/NDF:14443671.0/51

All: 0.000+/-0.000 χ^2/NDF: 27662880.9/99



Right In: -1049.894+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: 886.049+/-556.854 χ^2/NDF: 20.5/27

Left In: -366.759+/-497.896 χ^2/NDF:17.3/22

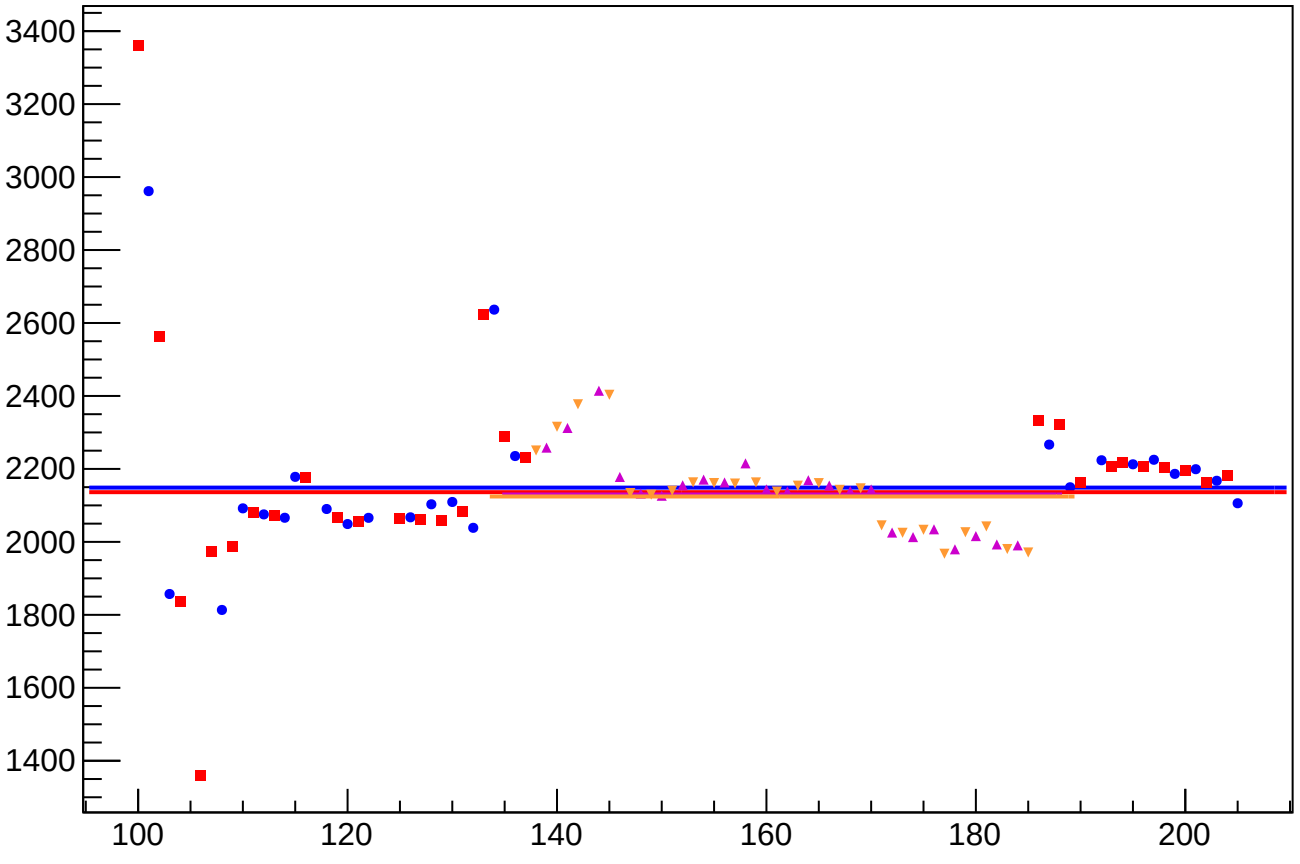
Left: -506.463+/-350.566 χ^2/NDF: 44.6/46

Right: -51.550+/-399.885 χ^2/NDF: 40.8/52

In: -659.712+/-376.287 χ^2/NDF:32.6/47

Out: 29.454+/-369.410 χ^2/NDF:51.8/51

All: -308.774+/-263.610 χ^2/NDF: 86.1/99



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.2/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2136.277+/-0.394 χ^2/NDF: 295464.0/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.8/46

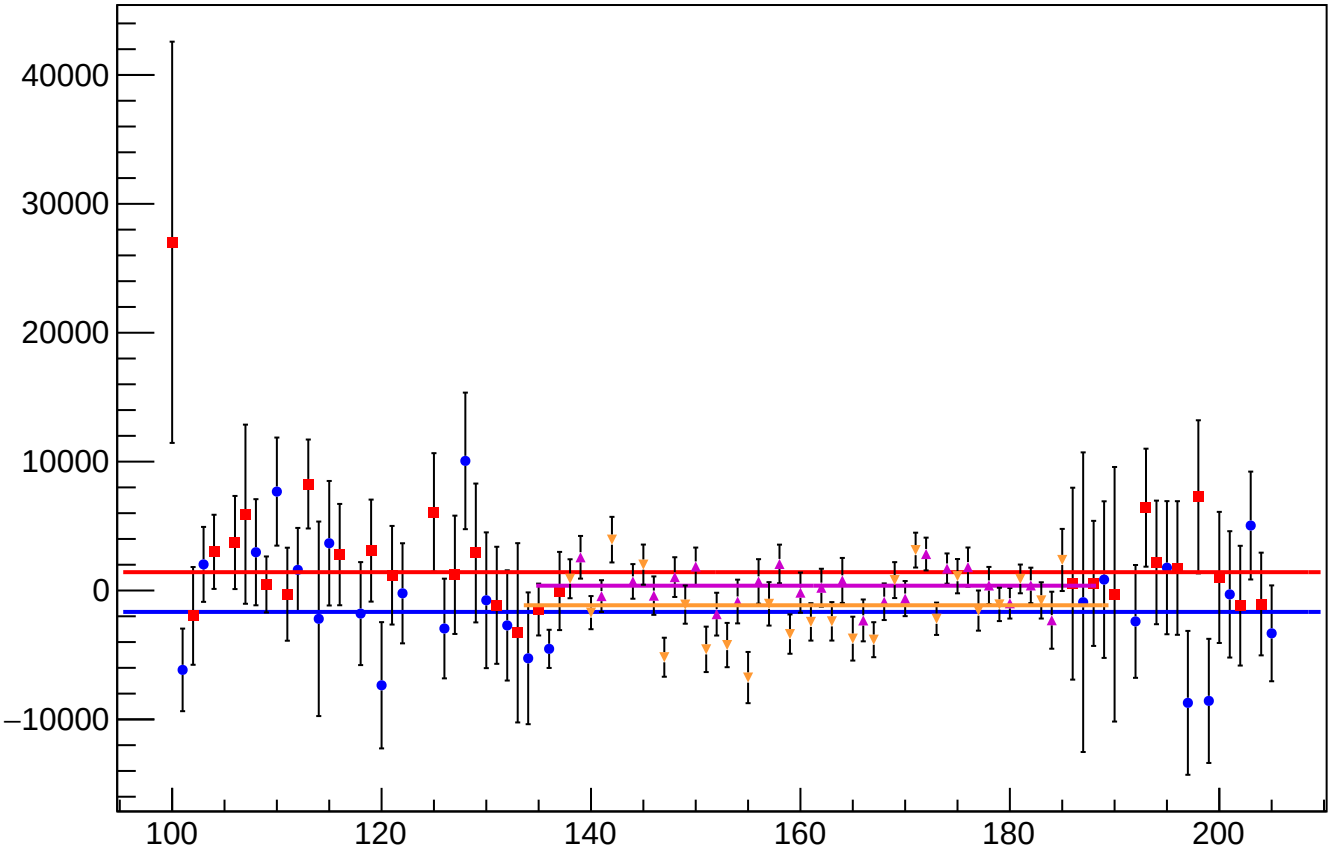
Right: 2142.322+/-0.283 χ^2/NDF: 498471.9/52

In: 2137.986+/-0.266 χ^2/NDF:289106.6/47

Out: 2129.648+/-0.261 χ^2/NDF:385154.3/51

All: 2133.740+/-0.186 χ^2/NDF: 674761.0/99

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -1661.107+/-763.615 χ^2/NDF: 30.0/24

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

Right Out: 1423.147+/-747.154 χ^2/NDF: 16.4/27

Left In: 373.302+/-305.378 χ^2/NDF:20.3/22

Left: -392.974+/-214.906 χ^2/NDF: 100.3/46

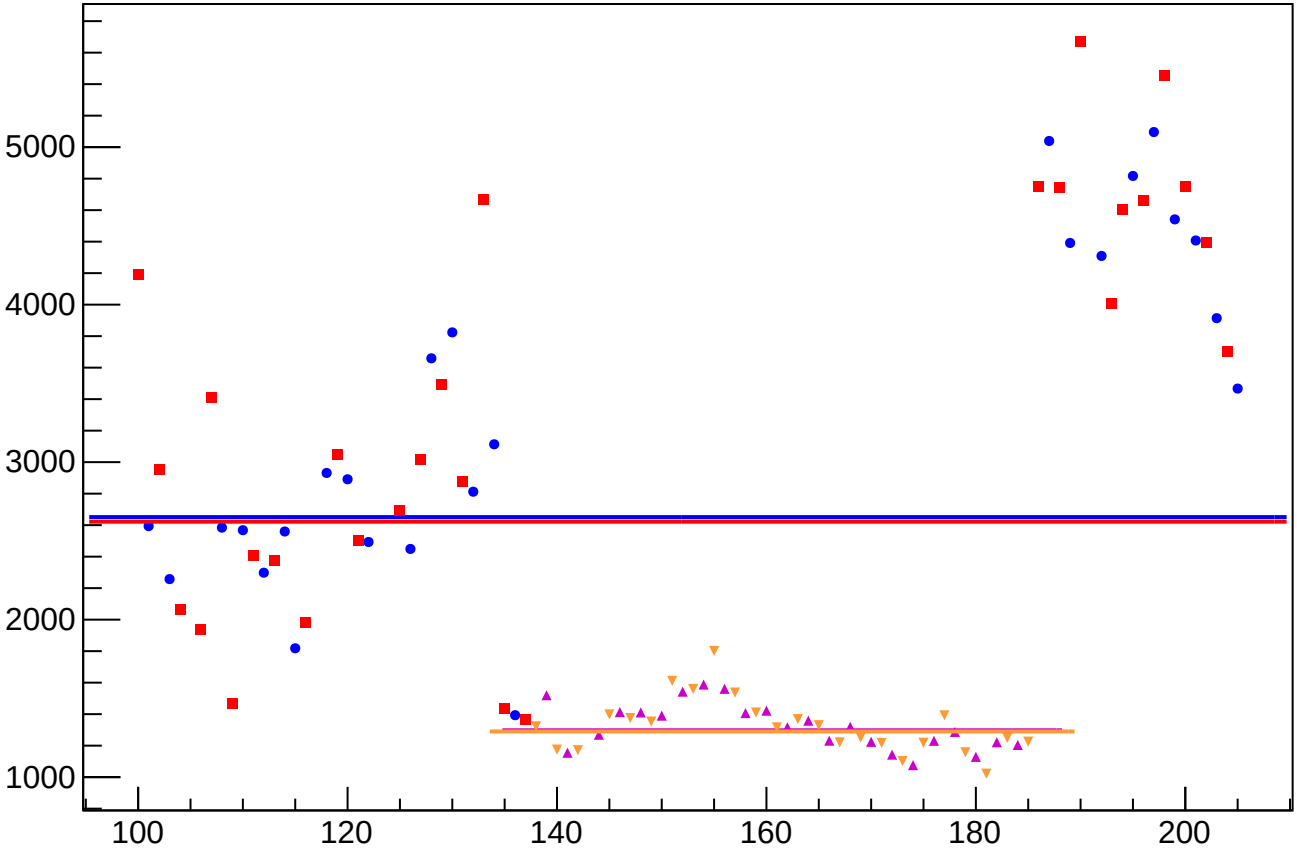
Right: -85.379+/-534.043 χ^2/NDF: 54.8/52

In: 92.802+/-283.545 χ^2/NDF:56.4/47

Out: -783.185+/-280.381 χ^2/NDF:94.1/51

All: -350.105+/-199.369 χ^2/NDF: 155.3/99

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 2651.118+/-0.540 χ^2/NDF: 3893445.8/24

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2621.989+/-0.528 χ^2/NDF: 4963717.7/27

Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

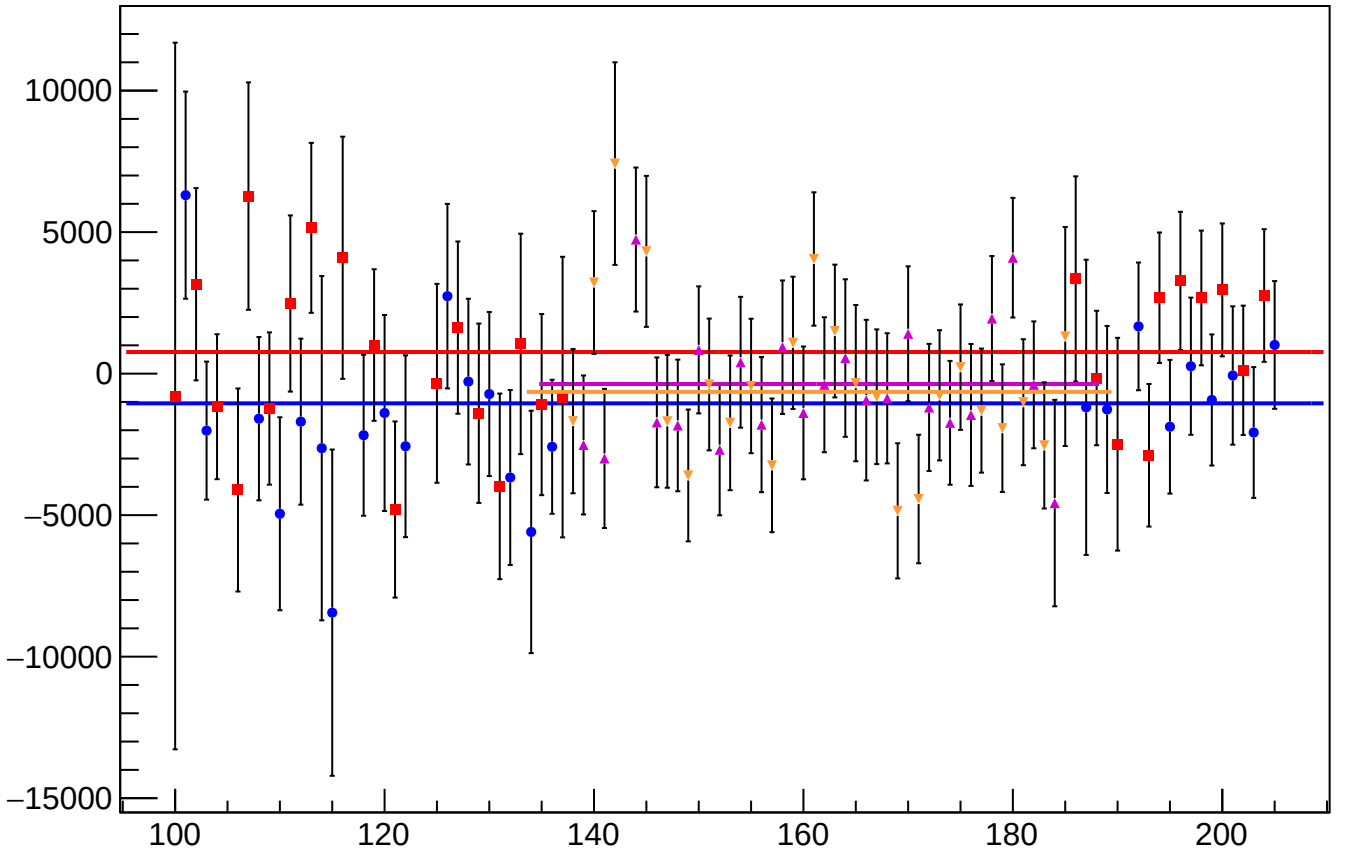
Left: 1293.707+/-0.152 χ^2/NDF: 1002543.1/46

Right: 2636.236+/-0.378 χ^2/NDF: 8858650.3/52

In: 1484.095+/-0.200 χ^2/NDF:9745838.8/47

Out: 1477.602+/-0.198 χ^2/NDF:10992686.6/51

All: 1480.812+/-0.141 χ^2/NDF: 20739055.7/9



Right In: -1049.934+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 763.727+/-559.892 χ^2/NDF: 22.4/27

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

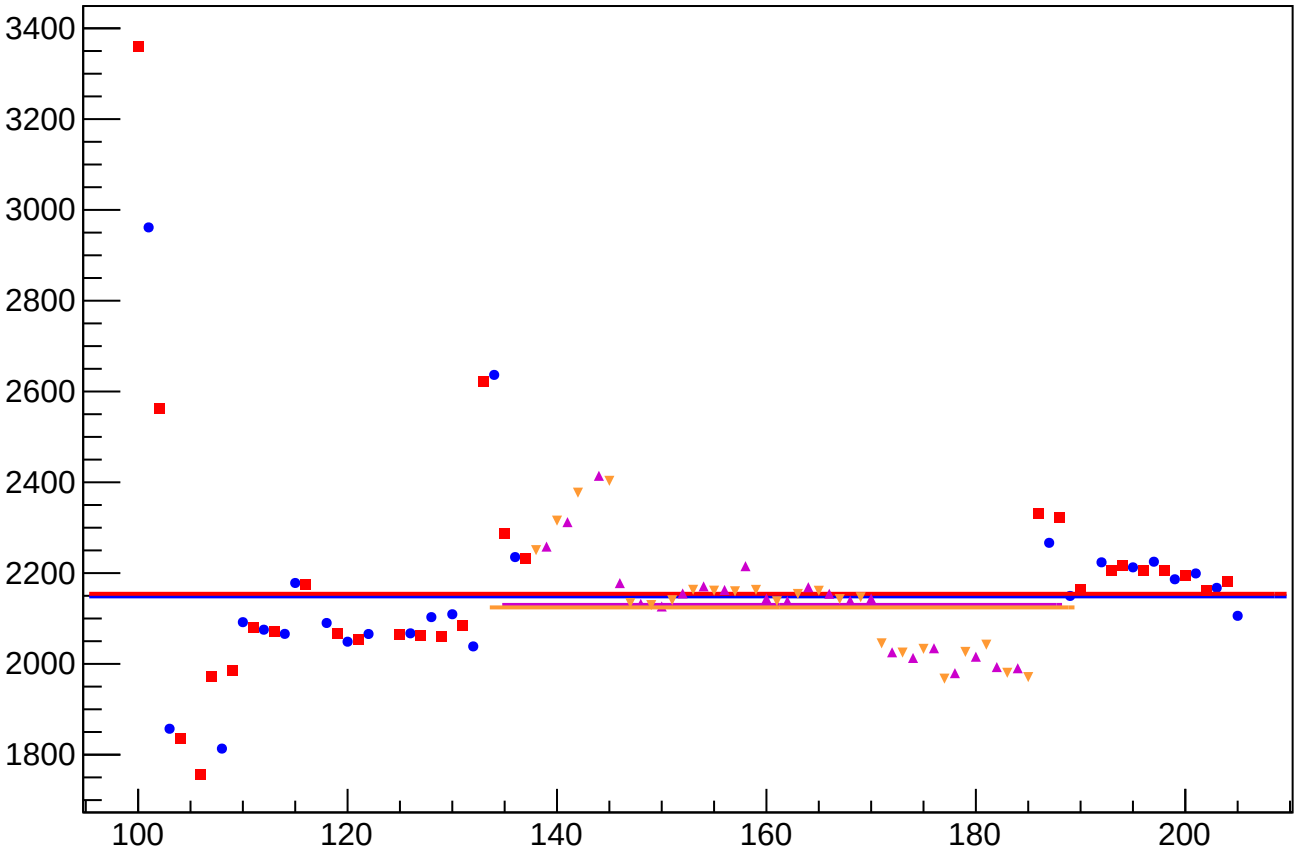
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -119.580+/-401.006 χ^2/NDF: 42.0/52

In: -659.667+/-376.287 χ^2/NDF:32.6/47

Out: -28.072+/-370.293 χ^2/NDF:53.1/51

All: -338.799+/-263.930 χ^2/NDF: 87.1/99



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.5/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2154.388+/-0.396 χ^2/NDF: 180423.1/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

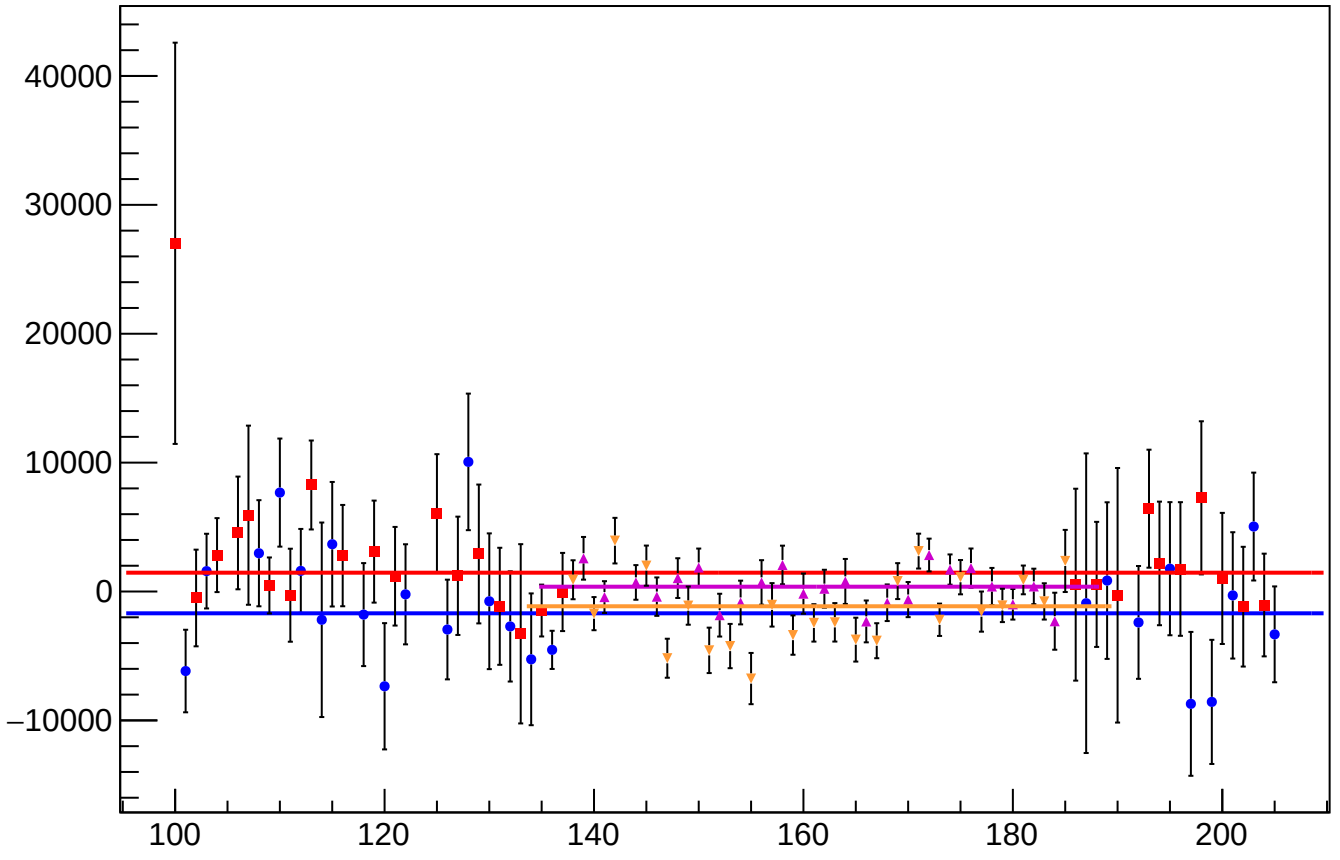
Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

Right: 2151.647+/-0.284 χ^2/NDF: 383043.1/52

In: 2137.986+/-0.266 χ^2/NDF:289106.9/47

Out: 2137.538+/-0.262 χ^2/NDF:272827.1/51

All: 2137.758+/-0.187 χ^2/NDF: 561935.4/99



Right In: -1690.941+/-763.413 χ^2/NDF: 29.6/24

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1460.255+/-751.816 χ^2/NDF: 15.9/27

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

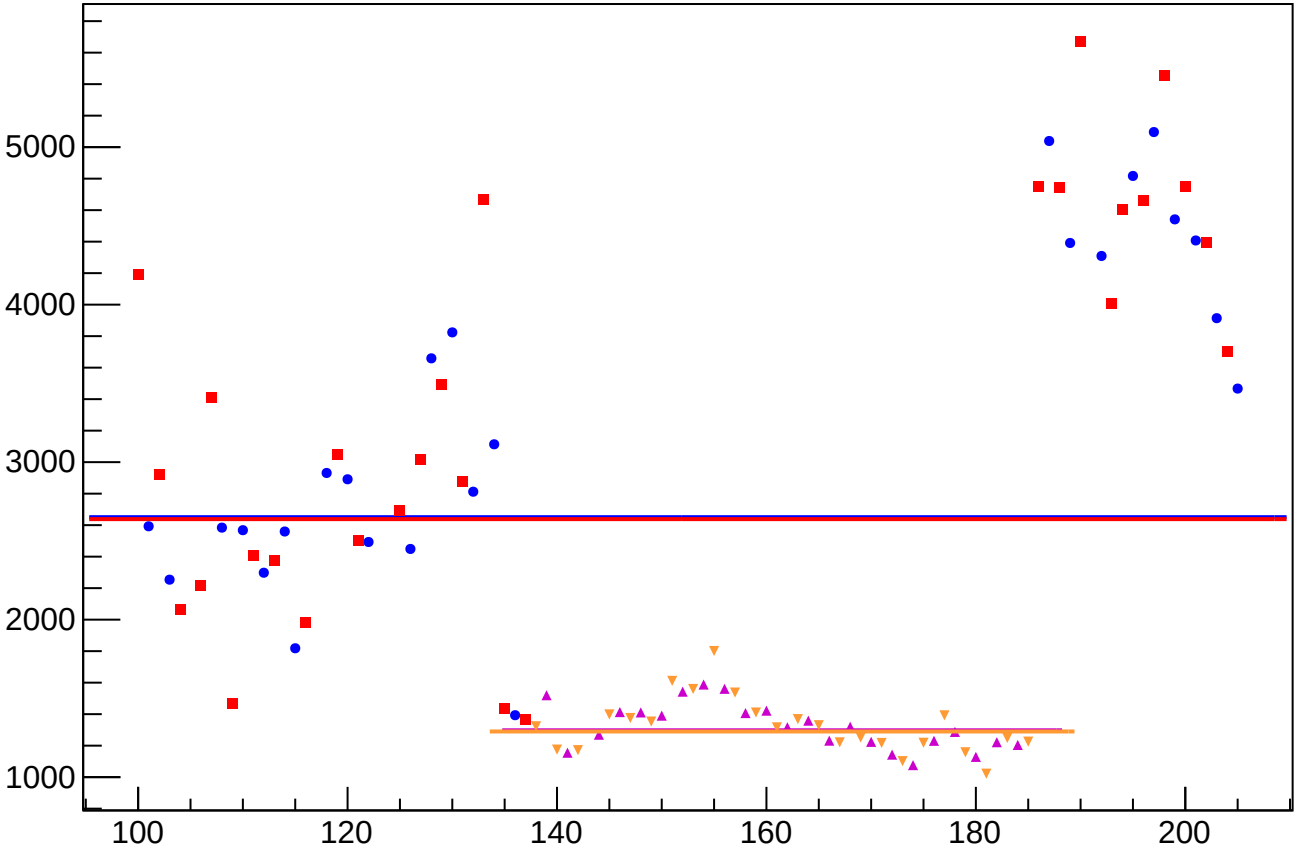
Right: -91.226+/-535.667 χ^2/NDF: 54.2/52

In: 88.457+/-283.535 χ^2/NDF:56.3/47

Out: -781.826+/-280.628 χ^2/NDF:93.8/51

All: -351.169+/-199.454 χ^2/NDF: 154.8/99

asym_us_dd_at2lr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 2650.619+/-0.540 χ^2/NDF: 3894360.2/24

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2638.294+/-0.532 χ^2/NDF: 4907301.1/27

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

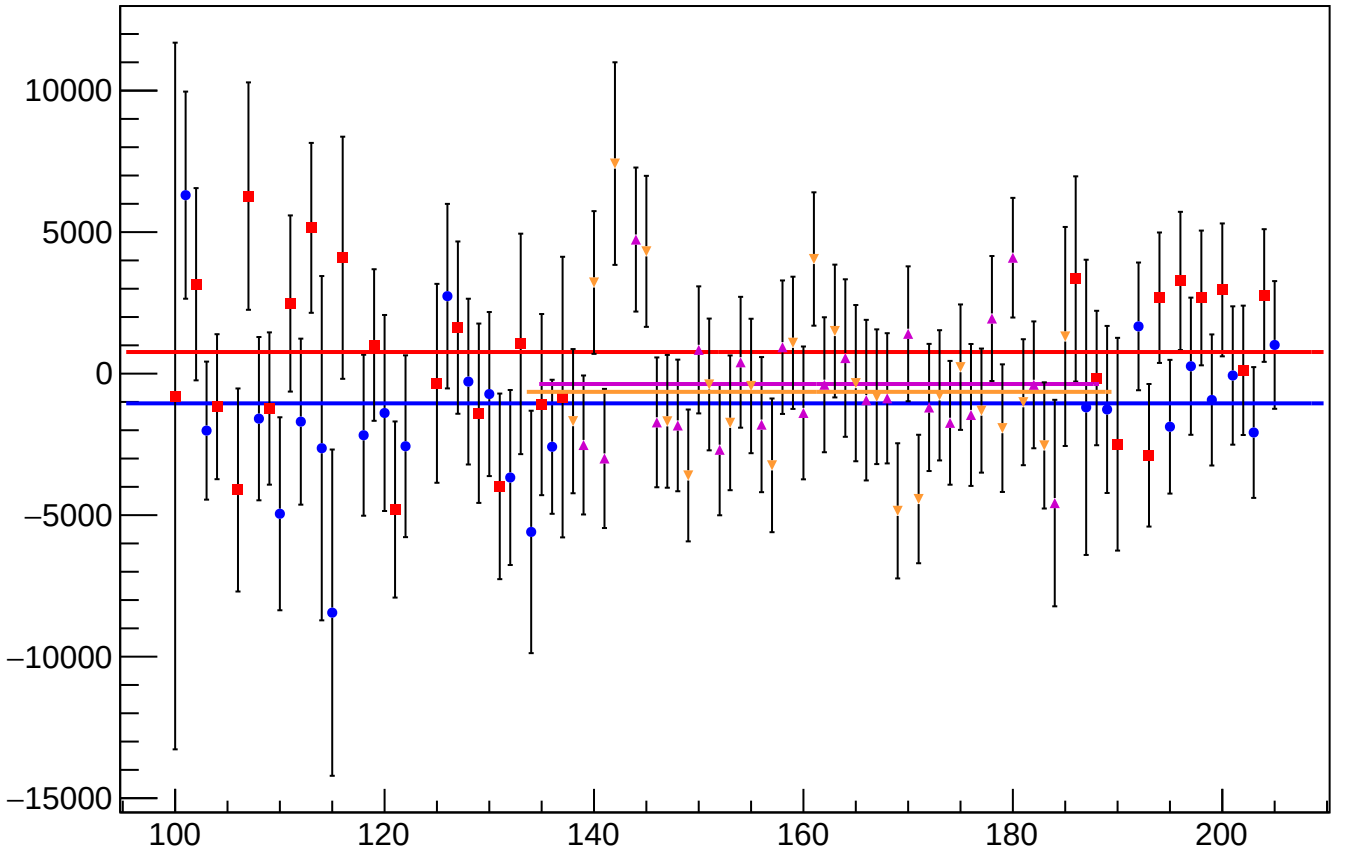
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2644.362+/-0.379 χ^2/NDF: 8801925.9/52

In: 1484.115+/-0.200 χ^2/NDF:9745217.0/47

Out: 1477.890+/-0.198 χ^2/NDF:11011077.5/51

All: 1480.970+/-0.141 χ^2/NDF: 20756781.5/9



Right In: -1049.934+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: 763.727+/-559.892 χ^2/NDF: 22.4/27

Left In: -366.649+/-497.896 χ^2/NDF:17.3/22

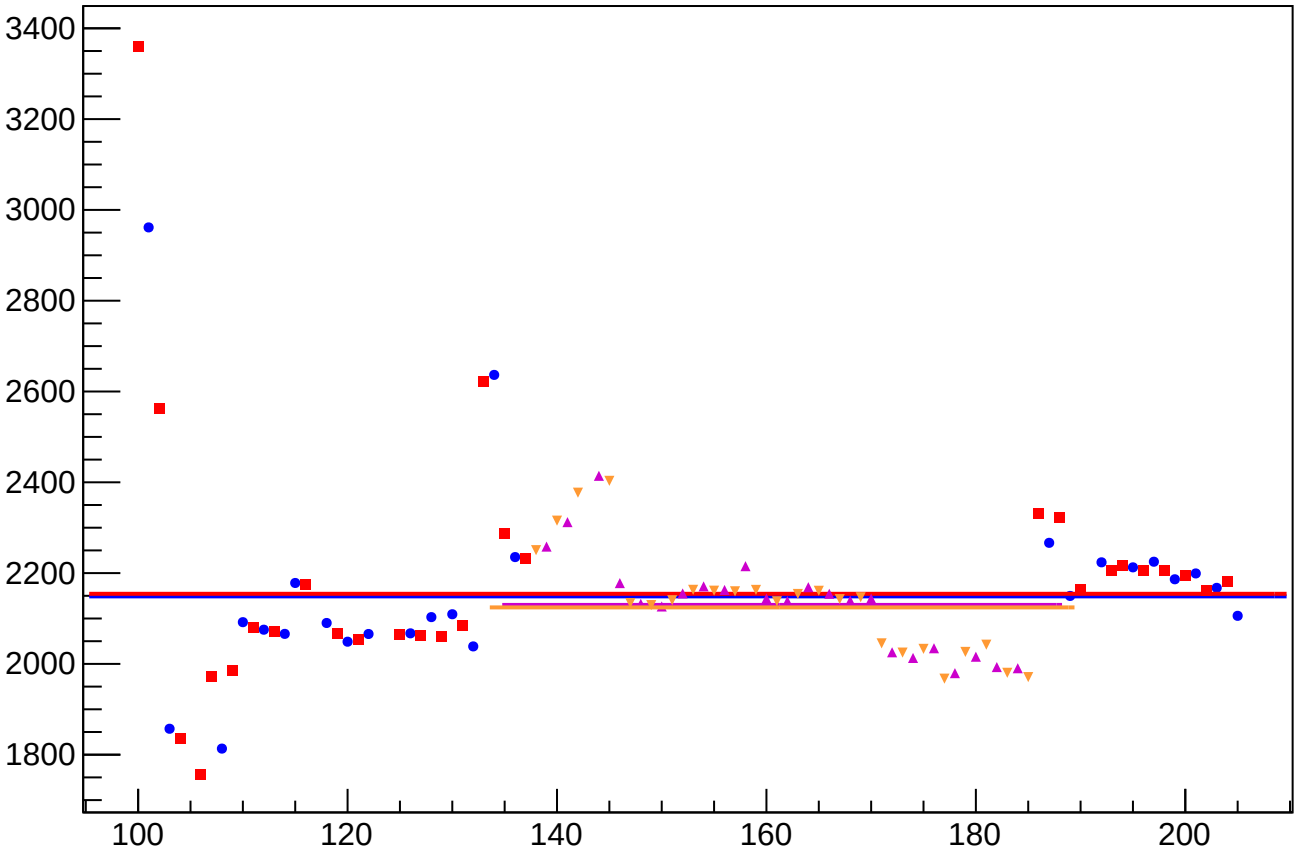
Left: -506.339+/-350.566 χ^2/NDF: 44.6/46

Right: -119.580+/-401.006 χ^2/NDF: 42.0/52

In: -659.667+/-376.287 χ^2/NDF:32.6/47

Out: -28.072+/-370.293 χ^2/NDF:53.1/51

All: -338.799+/-263.930 χ^2/NDF: 87.1/99



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.5/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

Right Out: 2154.388+/-0.396 χ^2/NDF: 180423.1/27

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

Left: 2127.144+/-0.248 χ^2/NDF: 174659.7/46

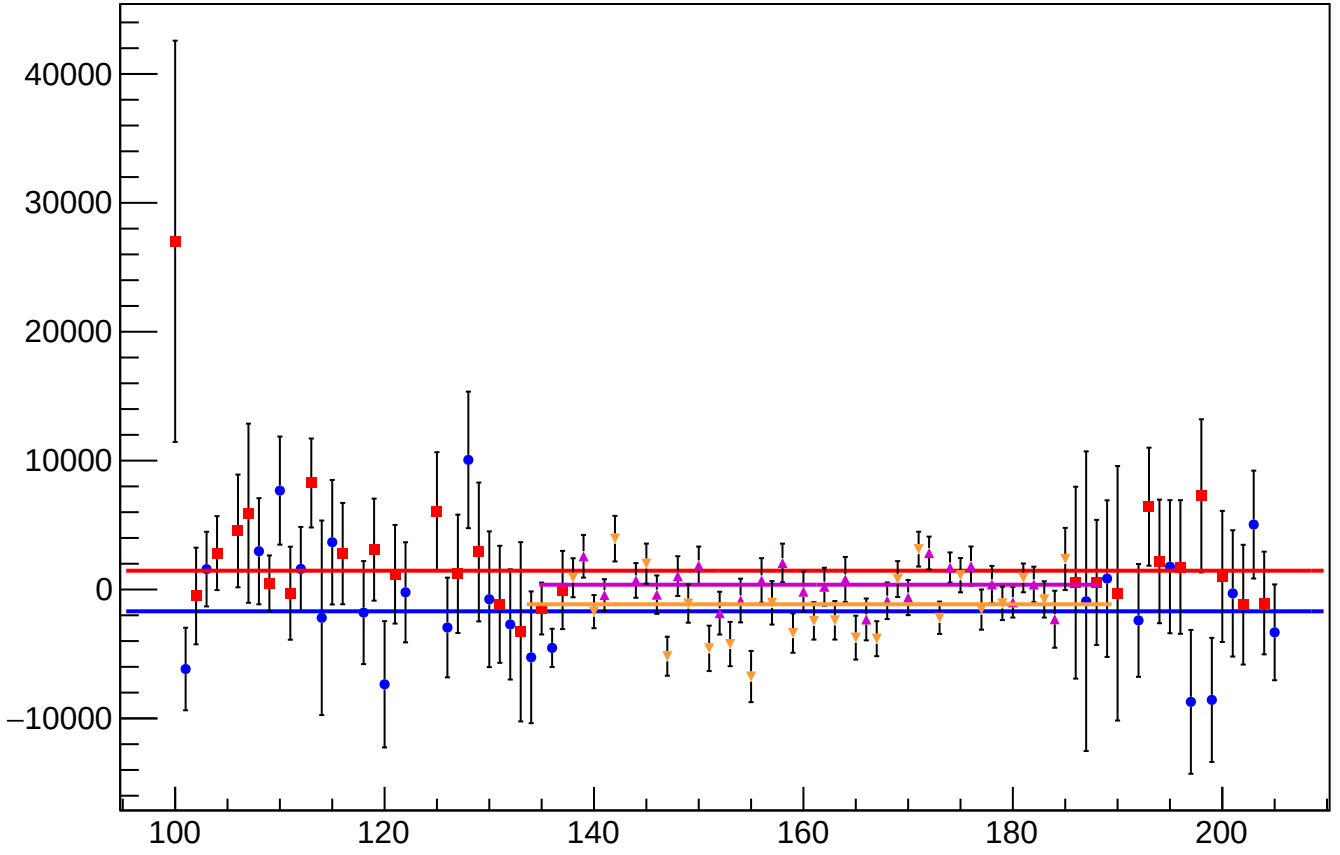
Right: 2151.647+/-0.284 χ^2/NDF: 383043.1/52

In: 2137.986+/-0.266 χ^2/NDF:289106.9/47

Out: 2137.538+/-0.262 χ^2/NDF:272827.1/51

All: 2137.758+/-0.187 χ^2/NDF: 561935.4/99

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1690.941+/-763.413 χ^2/NDF: 29.6/24

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

Right Out: 1460.255+/-751.816 χ^2/NDF: 15.9/27

Left In: 373.186+/-305.379 χ^2/NDF:20.3/22

Left: -393.009+/-214.907 χ^2/NDF: 100.3/46

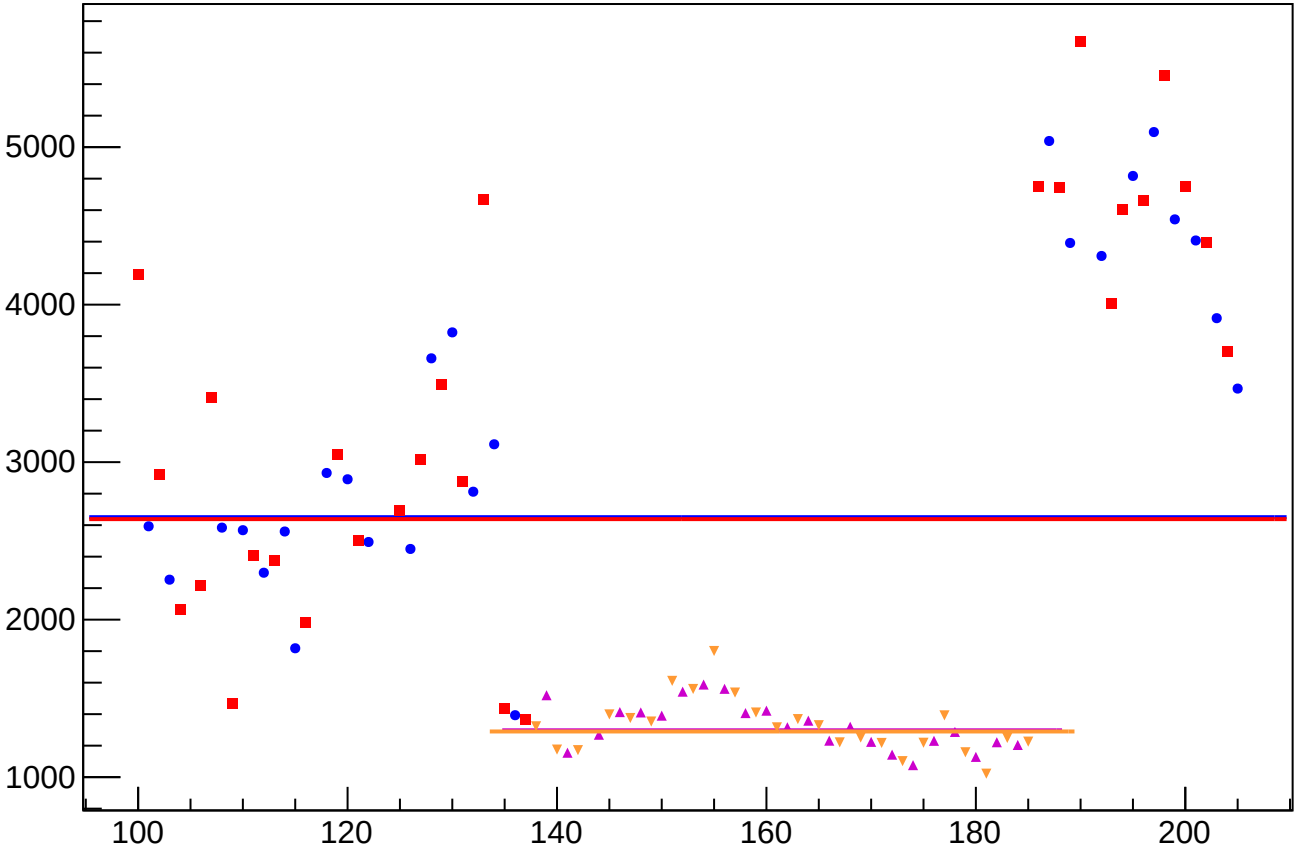
Right: -91.226+/-535.667 χ^2/NDF: 54.2/52

In: 88.457+/-283.535 χ^2/NDF:56.3/47

Out: -781.826+/-280.628 χ^2/NDF:93.8/51

All: -351.169+/-199.454 χ^2/NDF: 154.8/99

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 2650.619+/-0.540 χ^2/NDF: 3894360.2/24

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2638.294+/-0.532 χ^2/NDF: 4907301.1/27

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

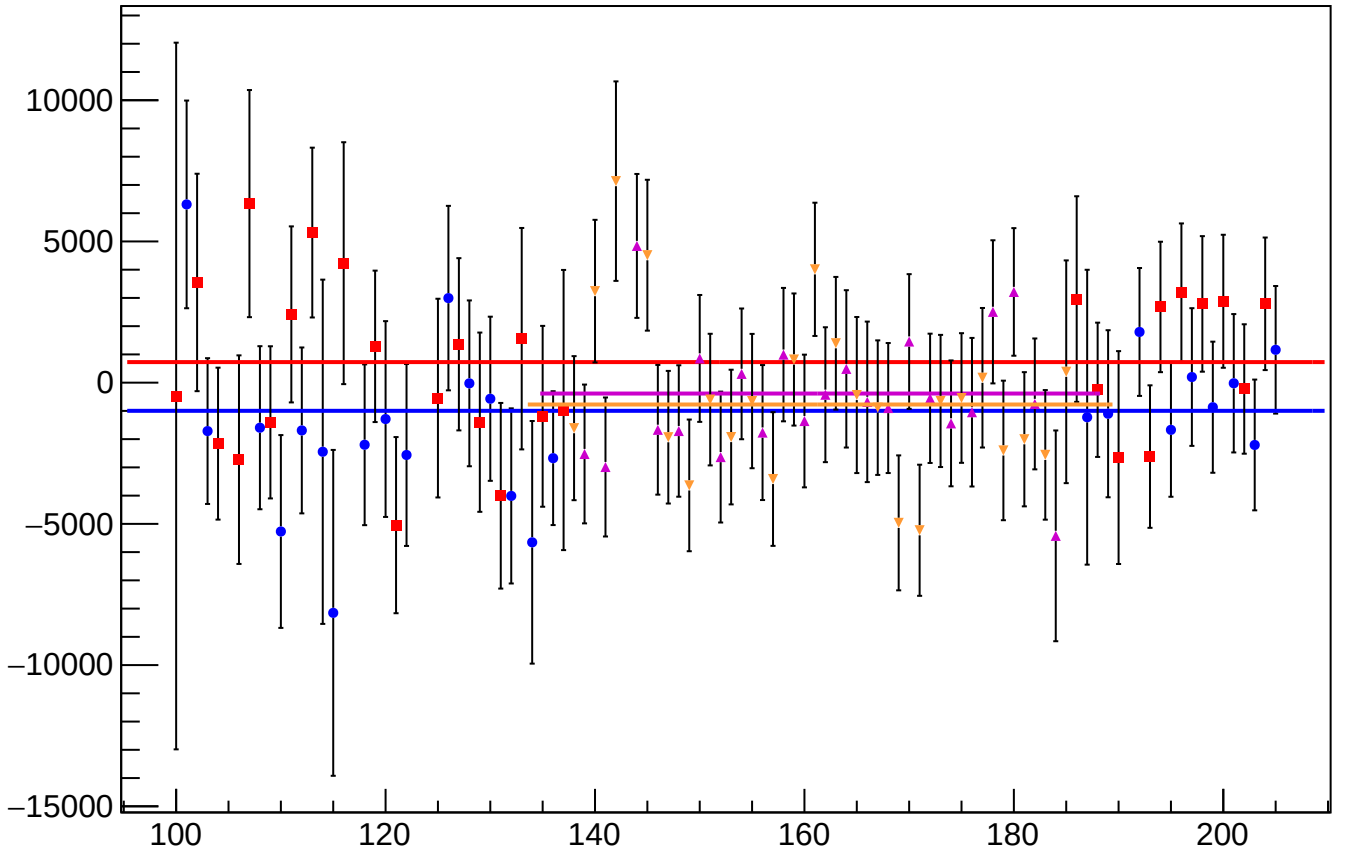
Left: 1293.714+/-0.152 χ^2/NDF: 1002485.3/46

Right: 2644.362+/-0.379 χ^2/NDF: 8801925.9/52

In: 1484.115+/-0.200 χ^2/NDF:9745217.0/47

Out: 1477.890+/-0.198 χ^2/NDF:11011077.5/51

All: 1480.970+/-0.141 χ^2/NDF: 20756781.5/9



Right In: -997.285+/-577.549 χ^2/NDF: 15.1/24

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: 728.059+/-564.435 χ^2/NDF: 22.5/27

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

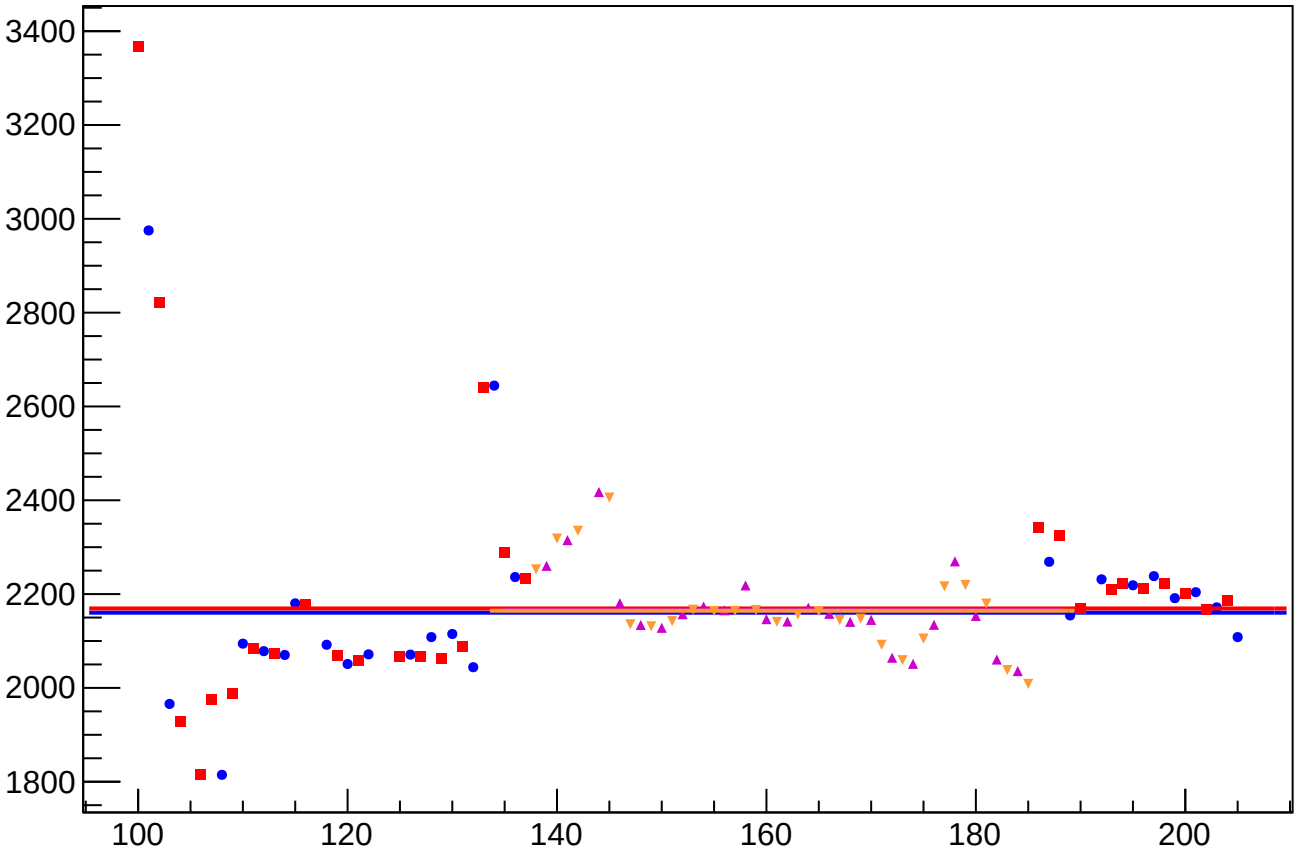
Left: -580.670+/-356.683 χ^2/NDF: 44.5/46

Right: -114.802+/-403.672 χ^2/NDF: 42.2/52

In: -651.071+/-380.615 χ^2/NDF:31.4/47

Out: -109.170+/-375.447 χ^2/NDF:55.0/51

All: -376.416+/-267.290 χ^2/NDF: 87.4/99



Right In: 2160.360+/-0.408 χ^2/NDF: 186799.0/24

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2169.374+/-0.399 χ^2/NDF: 188625.9/27

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

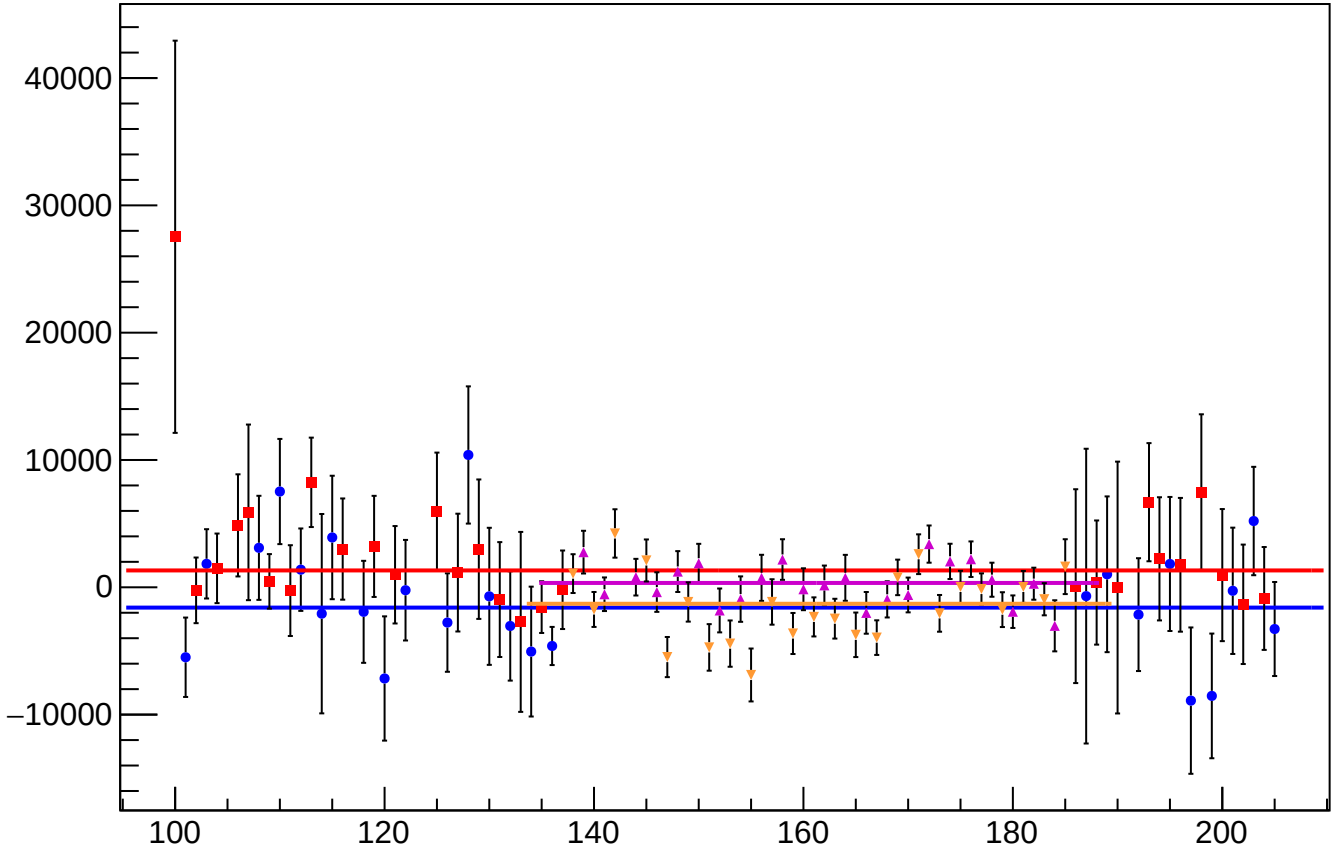
Right: 2164.970+/-0.285 χ^2/NDF: 375674.1/52

In: 2163.349+/-0.269 χ^2/NDF:239018.1/47

Out: 2166.674+/-0.265 χ^2/NDF:239384.2/51

All: 2165.034+/-0.189 χ^2/NDF: 478479.7/99

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -1595.153+/-763.569 χ^2/NDF: 29.7/24

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

Right Out: 1324.456+/-734.501 χ^2/NDF: 16.2/27

Left In: 341.259+/-315.566 χ^2/NDF:24.8/22

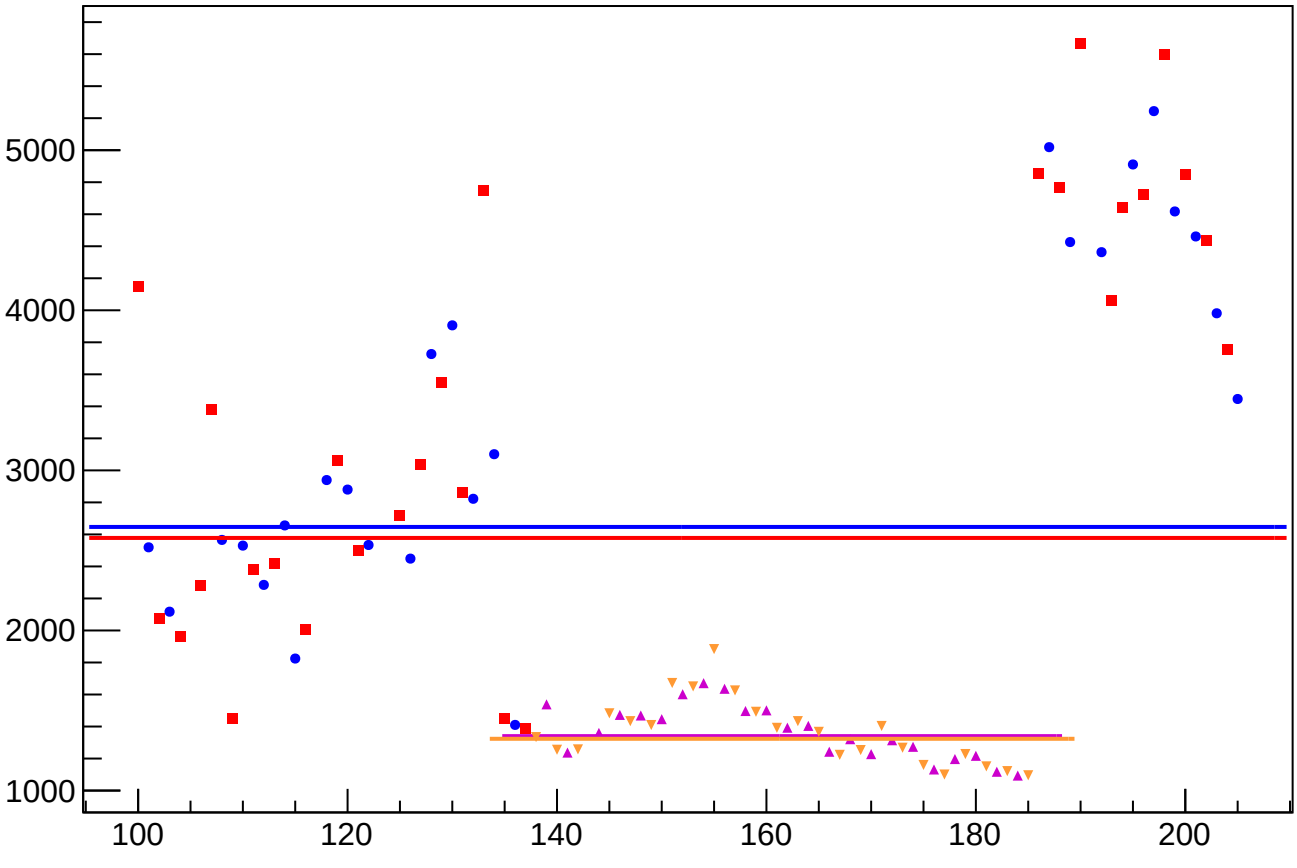
Left: -489.137+/-221.370 χ^2/NDF: 97.1/46

Right: -78.718+/-529.349 χ^2/NDF: 53.4/52

In: 58.771+/-291.641 χ^2/NDF:60.0/47

Out: -896.505+/-286.090 χ^2/NDF:85.6/51

All: -428.044+/-204.231 χ^2/NDF: 151.1/99



Right In: 2646.724+/-0.540 χ^2/NDF: 3970535.5/24

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

Right Out: 2578.018+/-0.519 χ^2/NDF: 5104139.0/27

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

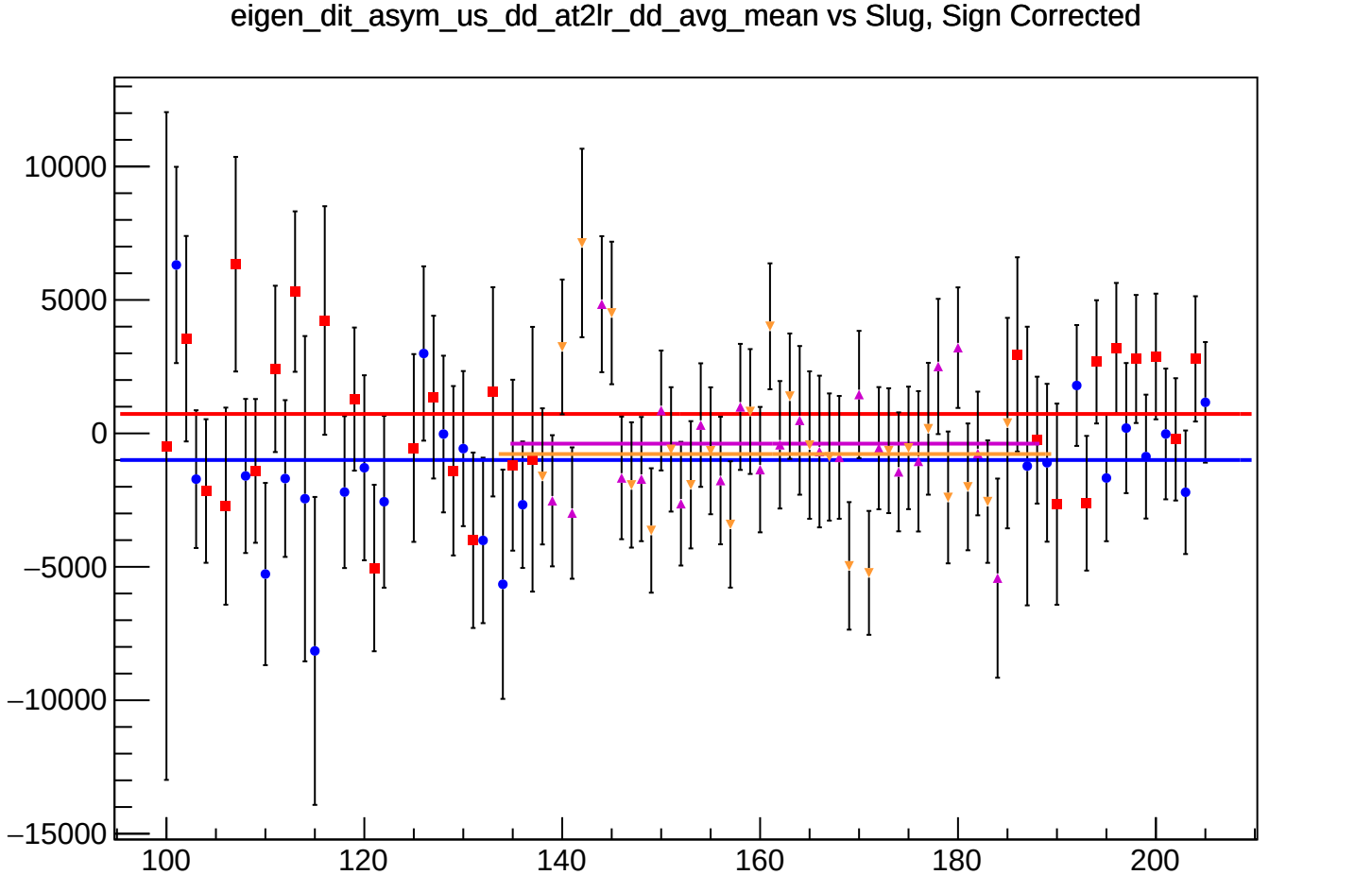
Left: 1331.612+/-0.157 χ^2/NDF: 1160965.4/46

Right: 2611.038+/-0.374 χ^2/NDF: 9083084.9/52

In: 1530.699+/-0.206 χ^2/NDF:9467017.8/47

Out: 1513.744+/-0.202 χ^2/NDF:10718049.6/51

All: 1522.059+/-0.144 χ^2/NDF: 20188512.5/9



Right In: -997.286+/-577.549 χ^2/NDF: 15.1/24

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: 728.059+/-564.434 χ^2/NDF: 22.5/27

Left In: -385.269+/-506.052 χ^2/NDF:15.6/22

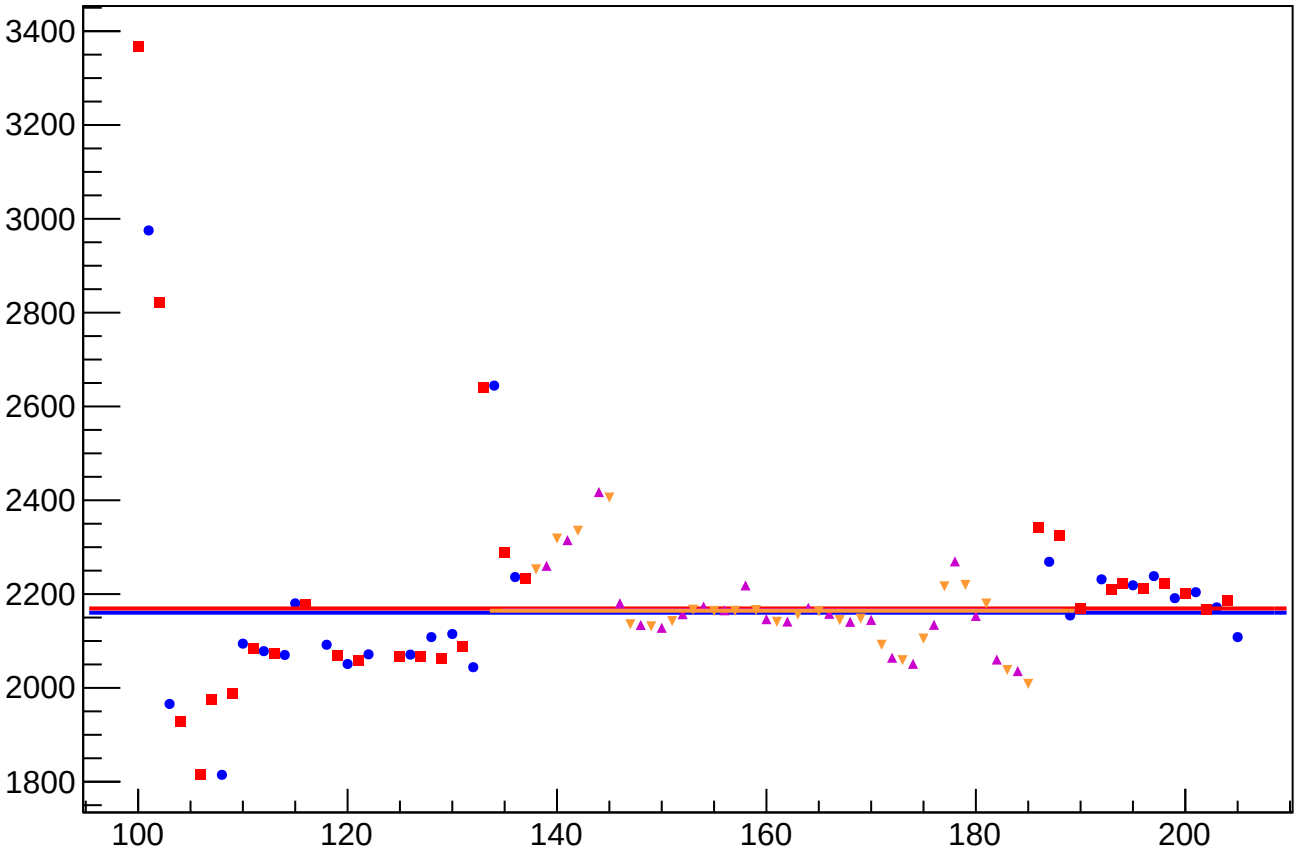
Left: -580.668+/-356.683 χ^2/NDF: 44.5/46

Right: -114.802+/-403.672 χ^2/NDF: 42.2/52

In: -651.071+/-380.615 χ^2/NDF:31.4/47

Out: -109.168+/-375.447 χ^2/NDF:55.0/51

All: -376.415+/-267.290 χ^2/NDF: 87.4/99



Right In: 2160.360+/-0.408 χ^2/NDF: 186798.9/24

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

Right Out: 2169.373+/-0.399 χ^2/NDF: 188625.8/27

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

Left: 2165.084+/-0.252 χ^2/NDF: 102805.6/46

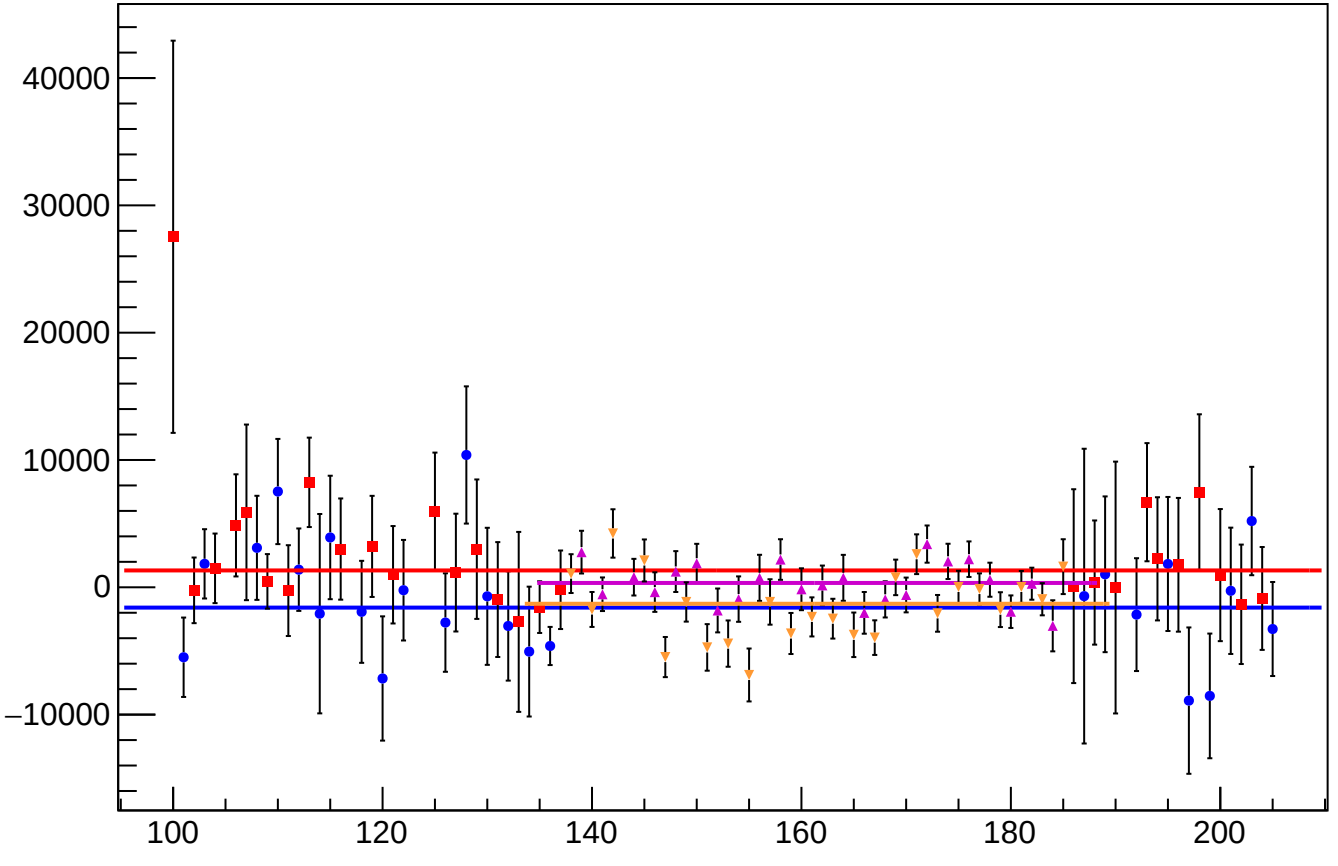
Right: 2164.970+/-0.285 χ^2/NDF: 375673.9/52

In: 2163.348+/-0.269 χ^2/NDF:239018.0/47

Out: 2166.674+/-0.265 χ^2/NDF:239384.2/51

All: 2165.034+/-0.189 χ^2/NDF: 478479.6/99

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1595.142+/-763.571 χ^2/NDF: 29.7/24

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

Right Out: 1324.470+/-734.503 χ^2/NDF: 16.2/27

Left In: 341.256+/-315.566 χ^2/NDF:24.8/22

Left: -489.138+/-221.370 χ^2/NDF: 97.1/46

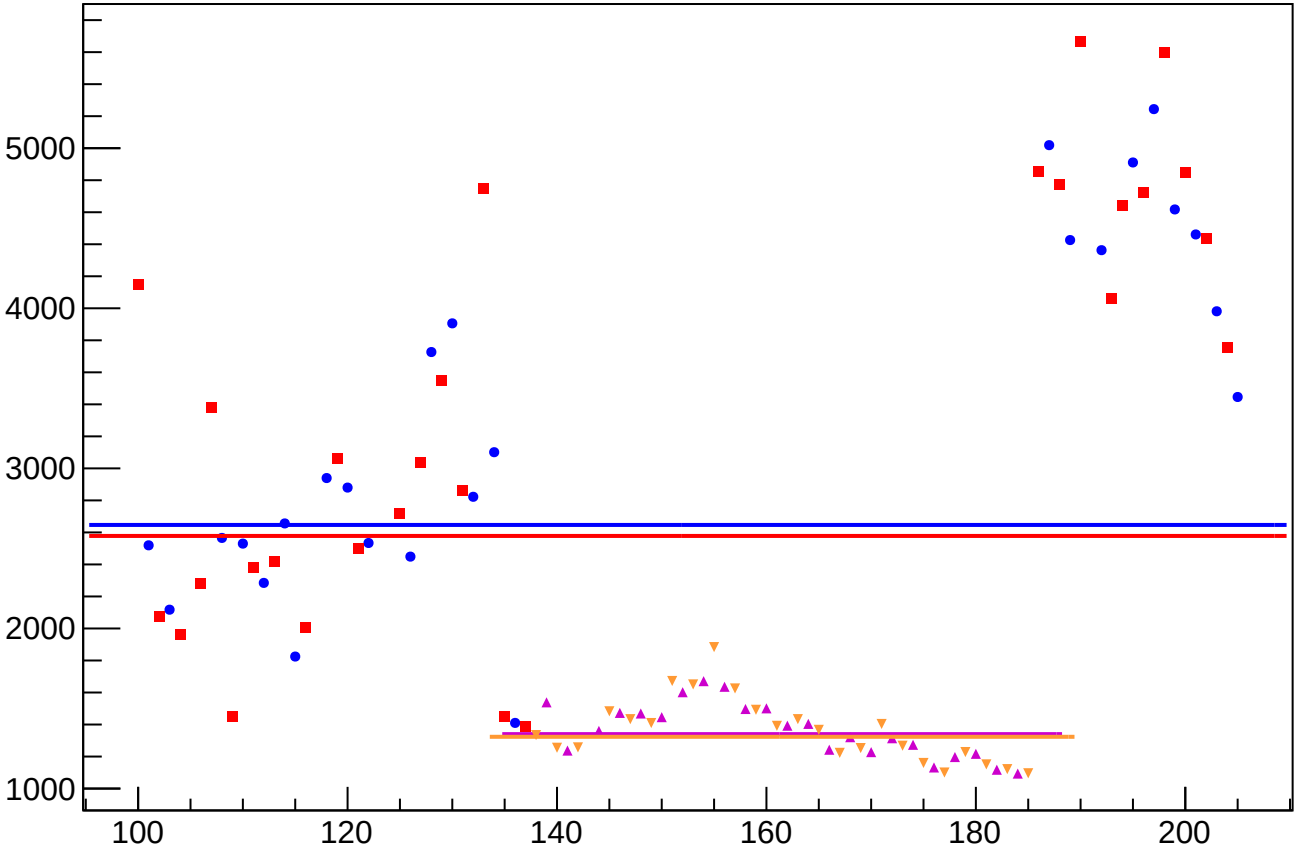
Right: -78.706+/-529.350 χ^2/NDF: 53.4/52

In: 58.773+/-291.641 χ^2/NDF:60.0/47

Out: -896.506+/-286.091 χ^2/NDF:85.6/51

All: -428.044+/-204.231 χ^2/NDF: 151.1/99

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 2646.736+/-0.540 χ^2/NDF: 3970445.8/24

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2578.030+/-0.519 χ^2/NDF: 5104055.5/27

Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

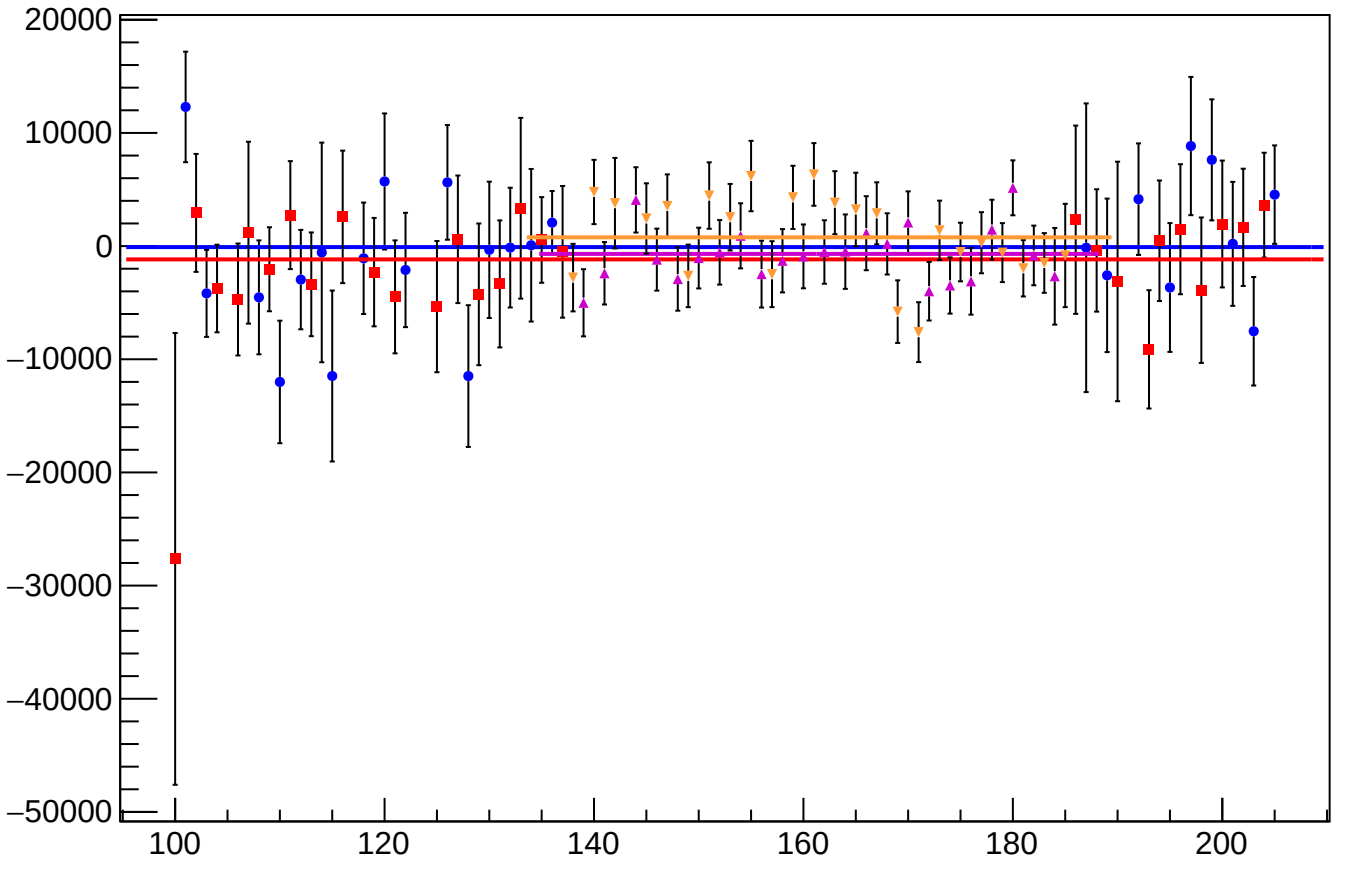
Left: 1331.611+/-0.157 χ^2/NDF: 1160972.0/46

Right: 2611.050+/-0.374 χ^2/NDF: 9082911.5/52

In: 1530.699+/-0.206 χ^2/NDF:9467018.4/47

Out: 1513.744+/-0.202 χ^2/NDF:10718040.4/51

All: 1522.059+/-0.144 χ^2/NDF: 20188503.2/9



Right In: -88.629+/-1031.466 χ^2/NDF: 31.2/24

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: -1173.129+/-1013.956 χ^2/NDF: 11.6/27

Left In: -689.981+/-587.431 χ^2/NDF:18.3/22

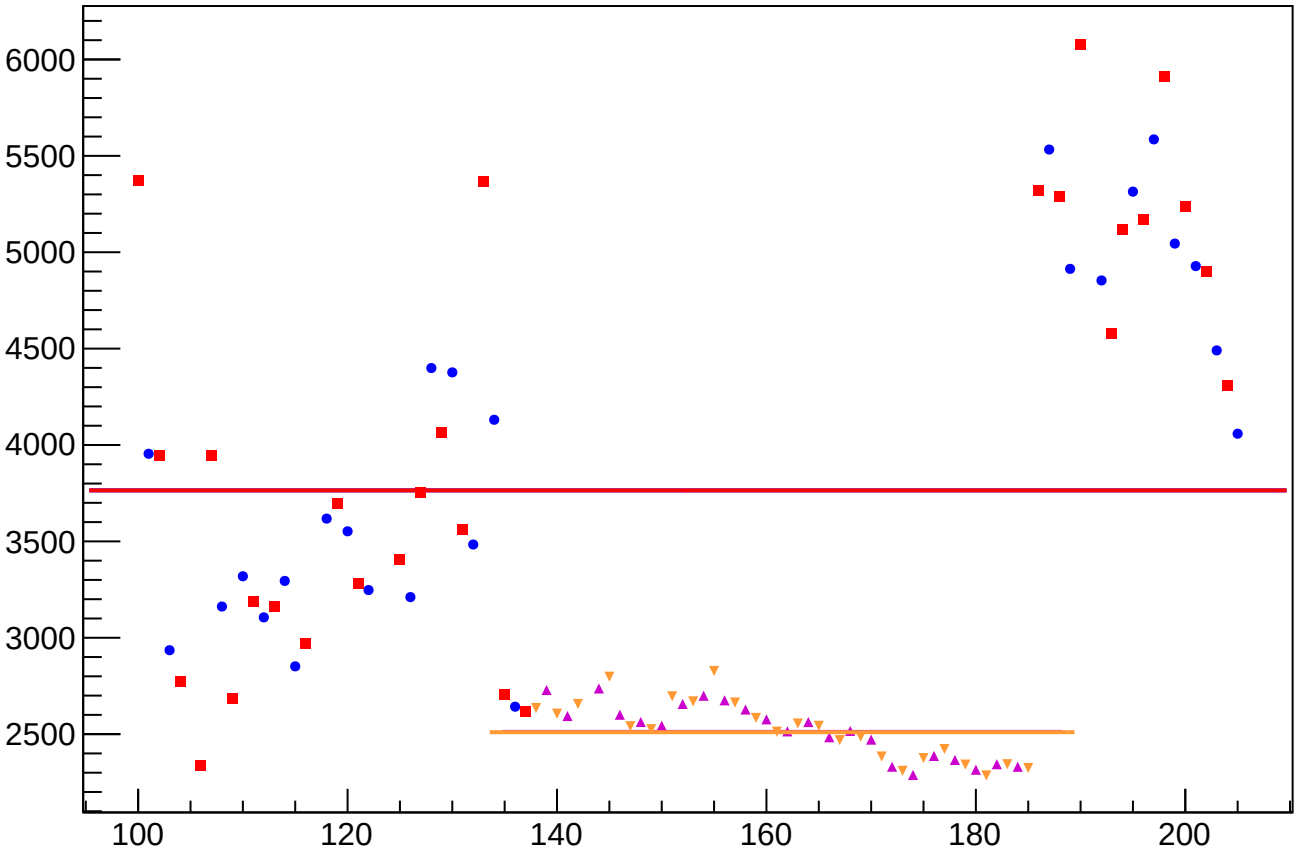
Left: 47.079+/-414.048 χ^2/NDF: 60.8/46

Right: -640.163+/-723.086 χ^2/NDF: 43.3/52

In: -542.705+/-510.454 χ^2/NDF:49.8/47

Out: 289.949+/-505.863 χ^2/NDF:53.7/51

All: -122.616+/-359.311 χ^2/NDF: 104.8/99



Right In: 3764.578+/-0.729 χ^2/NDF: 1419562.0/24

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

Right Out: 3764.601+/-0.717 χ^2/NDF: 2039456.4/27

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

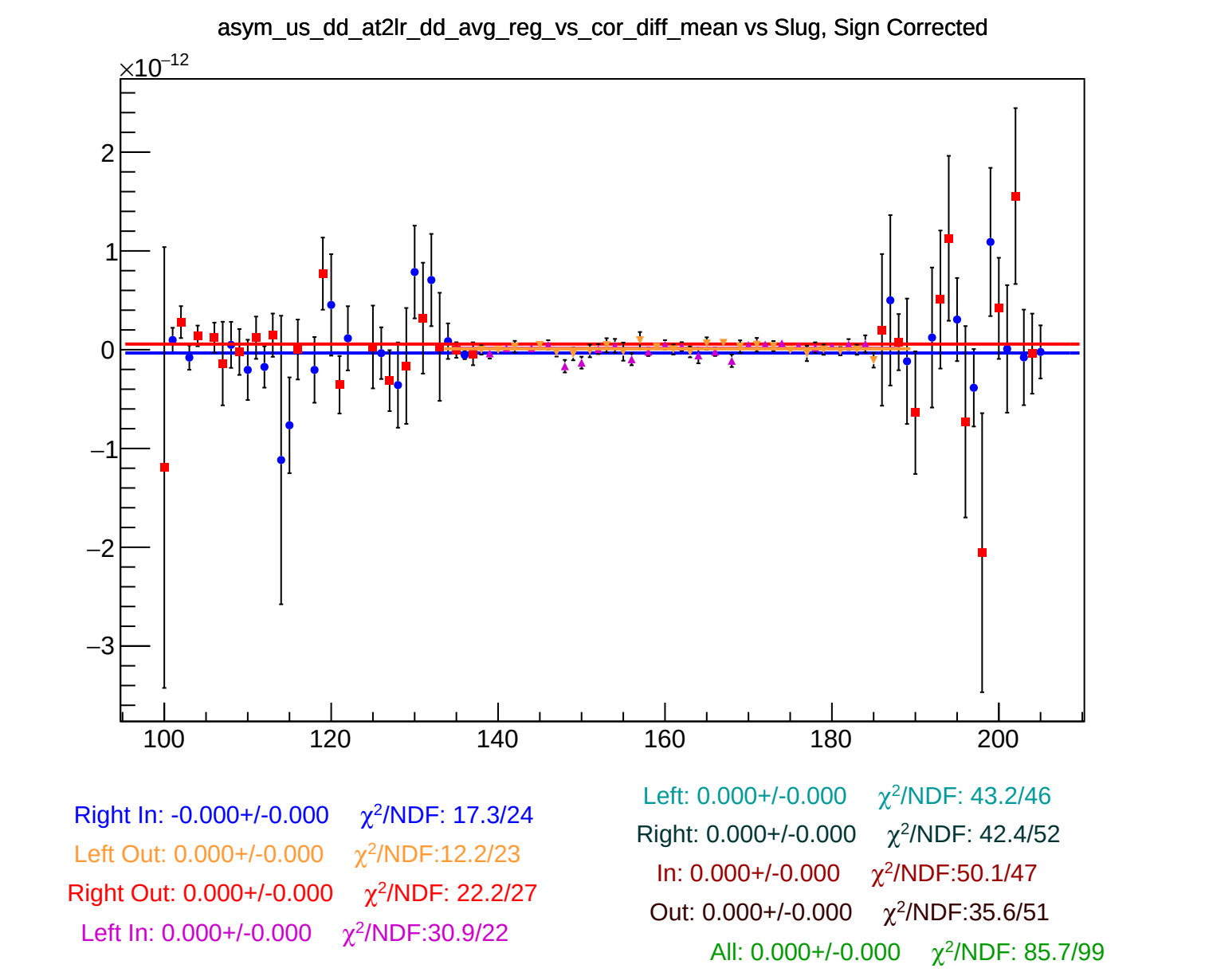
Left: 2510.836+/-0.293 χ^2/NDF: 242124.9/46

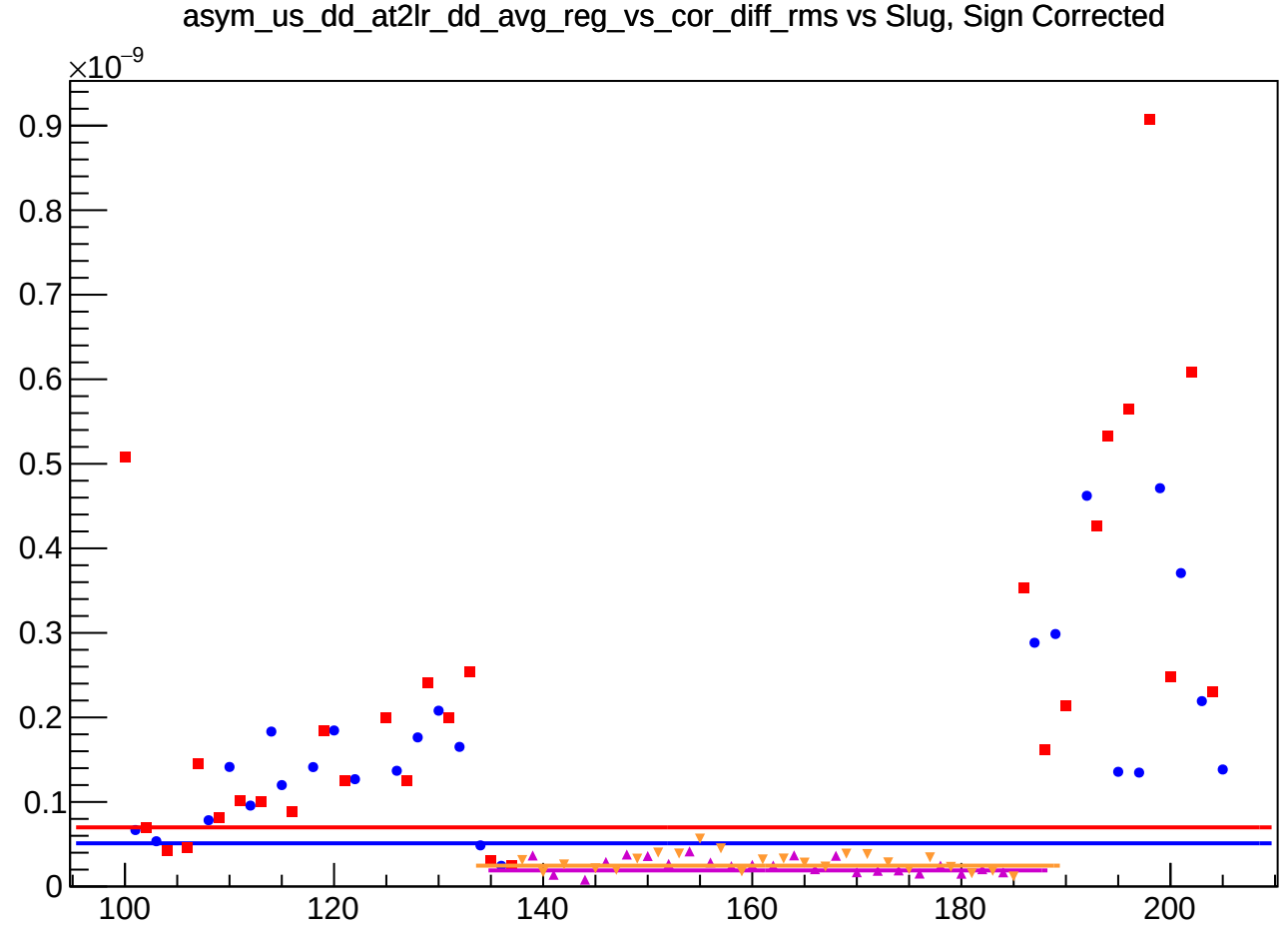
Right: 3764.590+/-0.511 χ^2/NDF: 3459018.4/52

In: 2818.475+/-0.361 χ^2/NDF:3761478.7/47

Out: 2822.328+/-0.358 χ^2/NDF:4467726.4/51

All: 2820.419+/-0.254 χ^2/NDF: 8229262.6/99


asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 17.3/24
Left Out: 0.000+/-0.000 χ²/NDF:12.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 22.2/27
Left In: 0.000+/-0.000 χ²/NDF:30.9/22
Left: 0.000+/-0.000 χ²/NDF: 43.2/46
Right: 0.000+/-0.000 χ²/NDF: 42.4/52
In: 0.000+/-0.000 χ²/NDF:50.1/47
Out: 0.000+/-0.000 χ²/NDF:35.6/51
All: 0.000+/-0.000 χ²/NDF: 85.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 5188027.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6487613.3/27

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

Left: 0.000+/-0.000 χ^2/NDF: 3972817.3/46

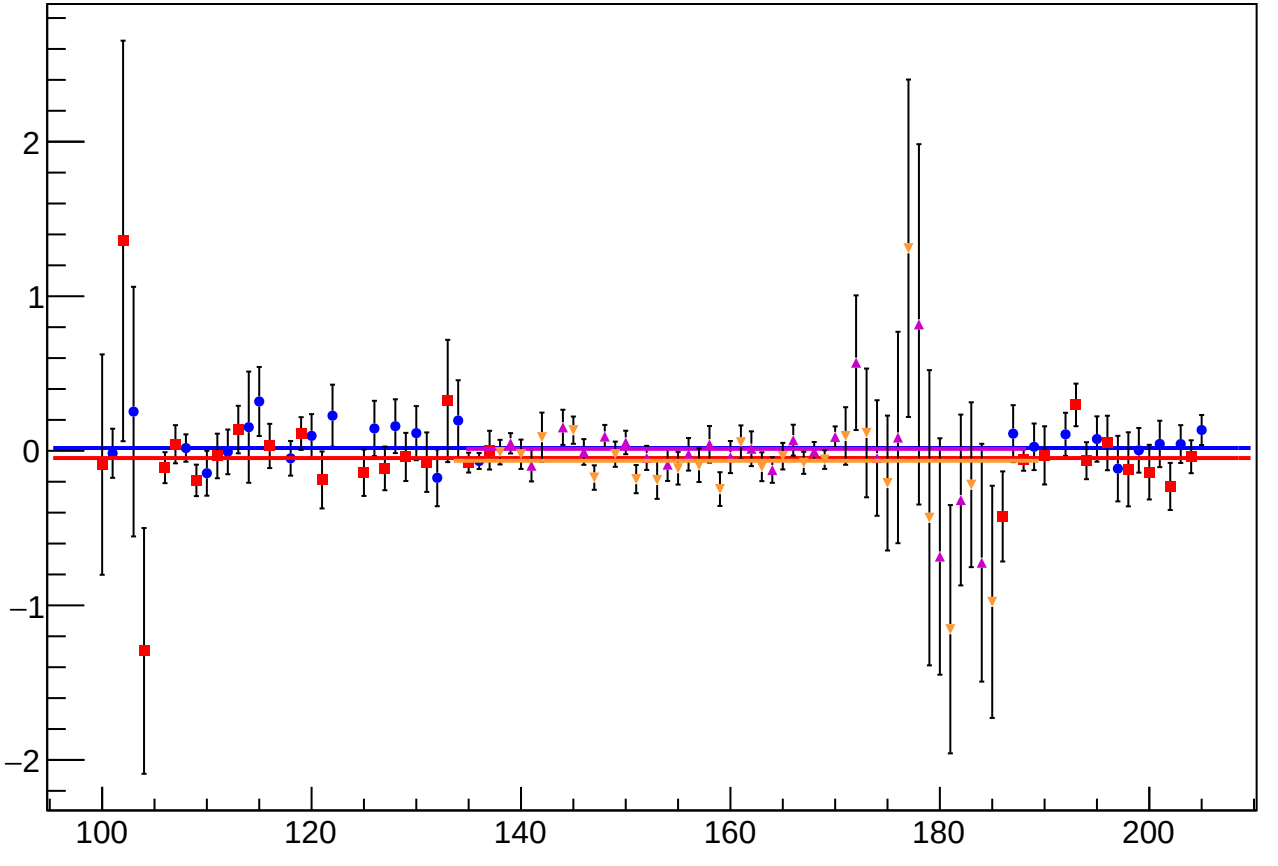
Right: 0.000+/-0.000 χ^2/NDF: 11920833.8/52

In: 0.000+/-0.000 χ^2/NDF:9092776.7/47

Out: 0.000+/-0.000 χ^2/NDF:10094864.2/51

All: 0.000+/-0.000 χ^2/NDF: 19646598.2/99

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

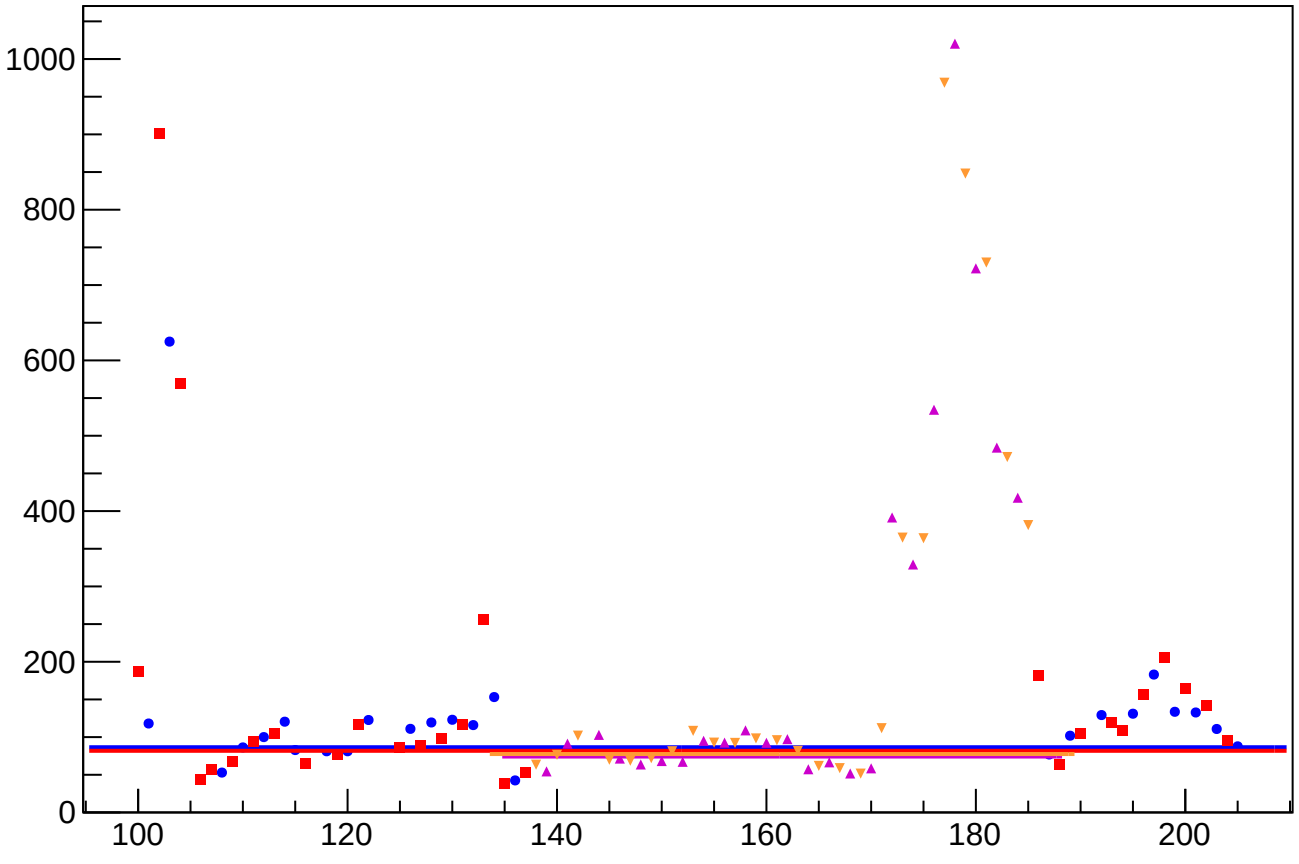
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.016+/-0.018 χ^2/NDF: 39.8/52

In: 0.015+/-0.017 χ^2/NDF:28.6/47

Out: -0.057+/-0.017 χ^2/NDF:45.7/51

All: -0.021+/-0.012 χ^2/NDF: 83.6/99



Right In: 86.571+/-0.019 χ^2/NDF: 4487973.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 81.833+/-0.018 χ^2/NDF: 5989783.2/27

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

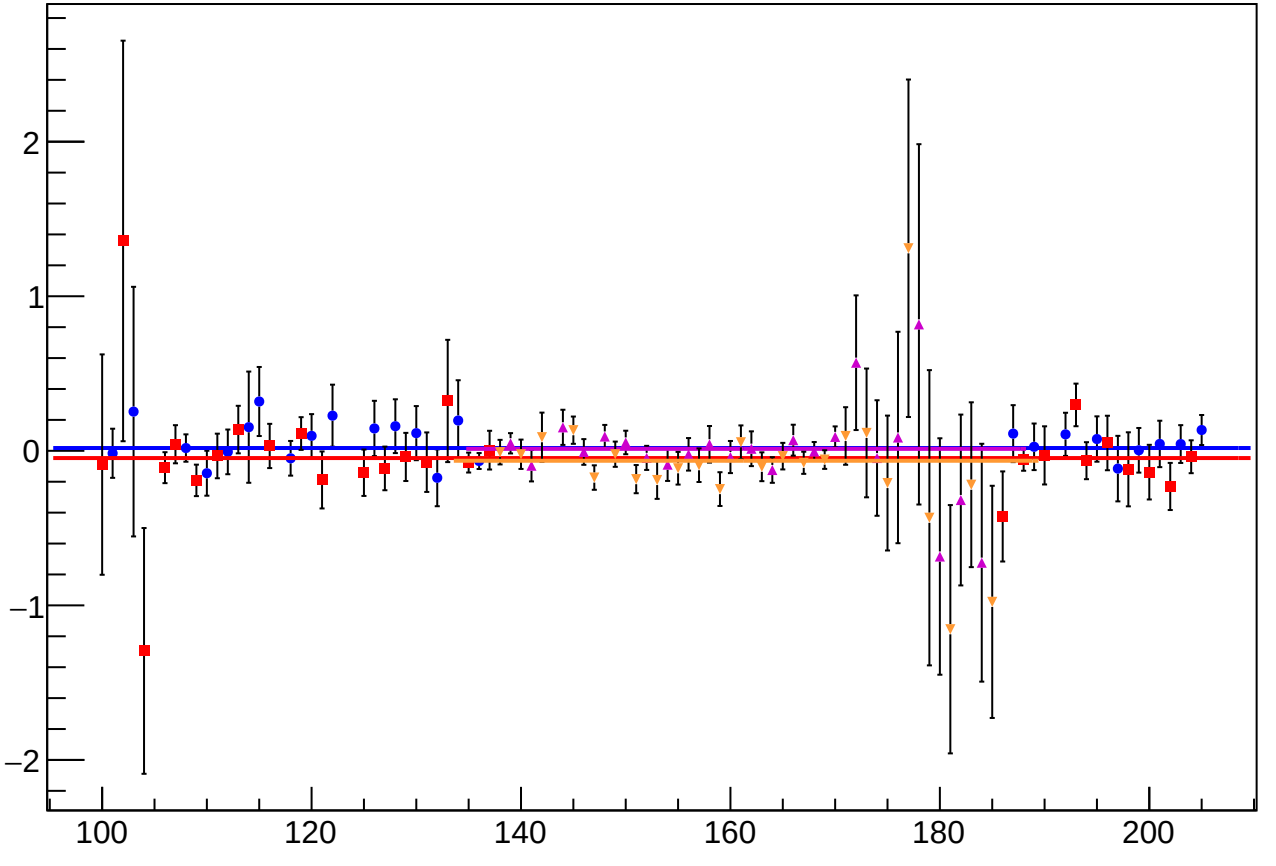
Right: 84.084+/-0.013 χ^2/NDF: 10511243.1/52

In: 79.011+/-0.012 χ^2/NDF:13267567.1/47

Out: 79.400+/-0.012 χ^2/NDF:14353832.5/51

All: 79.204+/-0.008 χ^2/NDF: 27621949.3/99

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

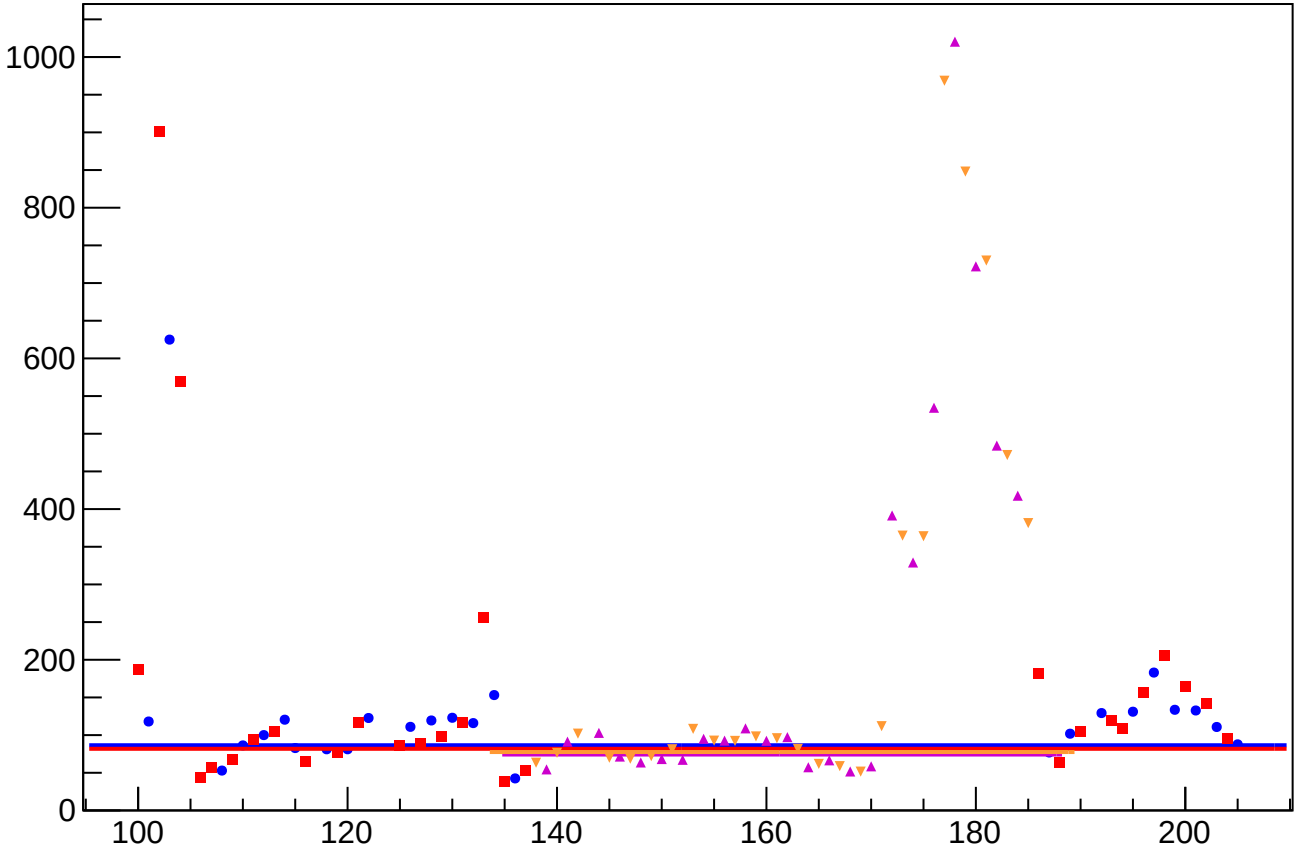
Right: -0.016+/-0.018 χ^2/NDF: 39.8/52

In: 0.015+/-0.017 χ^2/NDF:28.6/47

Out: -0.057+/-0.017 χ^2/NDF:45.7/51

All: -0.021+/-0.012 χ^2/NDF: 83.6/99

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.571+/-0.019 χ^2/NDF: 4487973.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

Right Out: 81.833+/-0.018 χ^2/NDF: 5989783.2/27

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

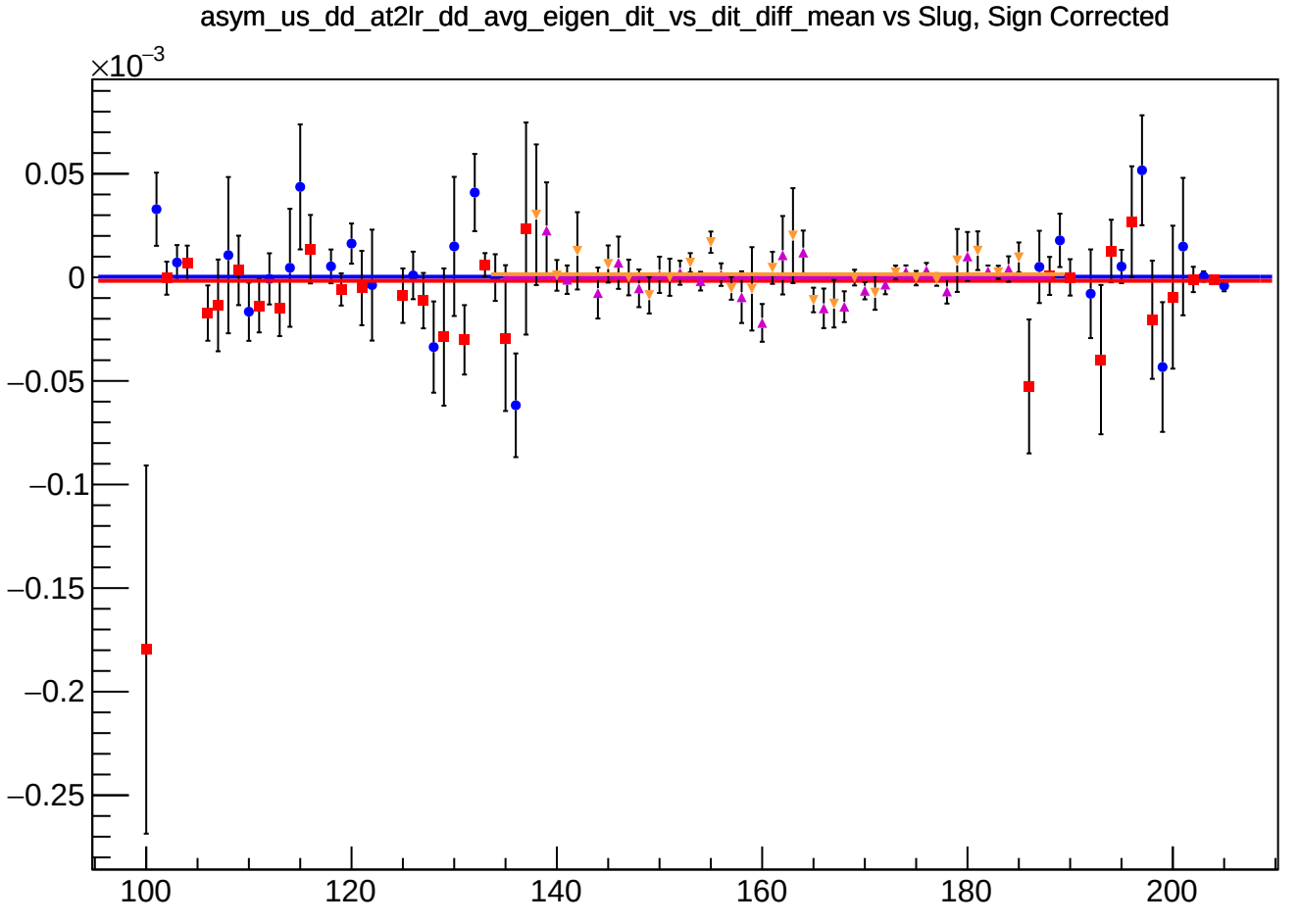
Left: 75.800+/-0.011 χ^2/NDF: 16868814.0/46

Right: 84.084+/-0.013 χ^2/NDF: 10511243.1/52

In: 79.011+/-0.012 χ^2/NDF:13267567.1/47

Out: 79.400+/-0.012 χ^2/NDF:14353832.5/51

All: 79.204+/-0.008 χ^2/NDF: 27621949.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 23.2/27

Left In: -0.000+/-0.000 χ^2/NDF:24.6/22

Left: 0.000+/-0.000 χ^2/NDF: 52.9/46

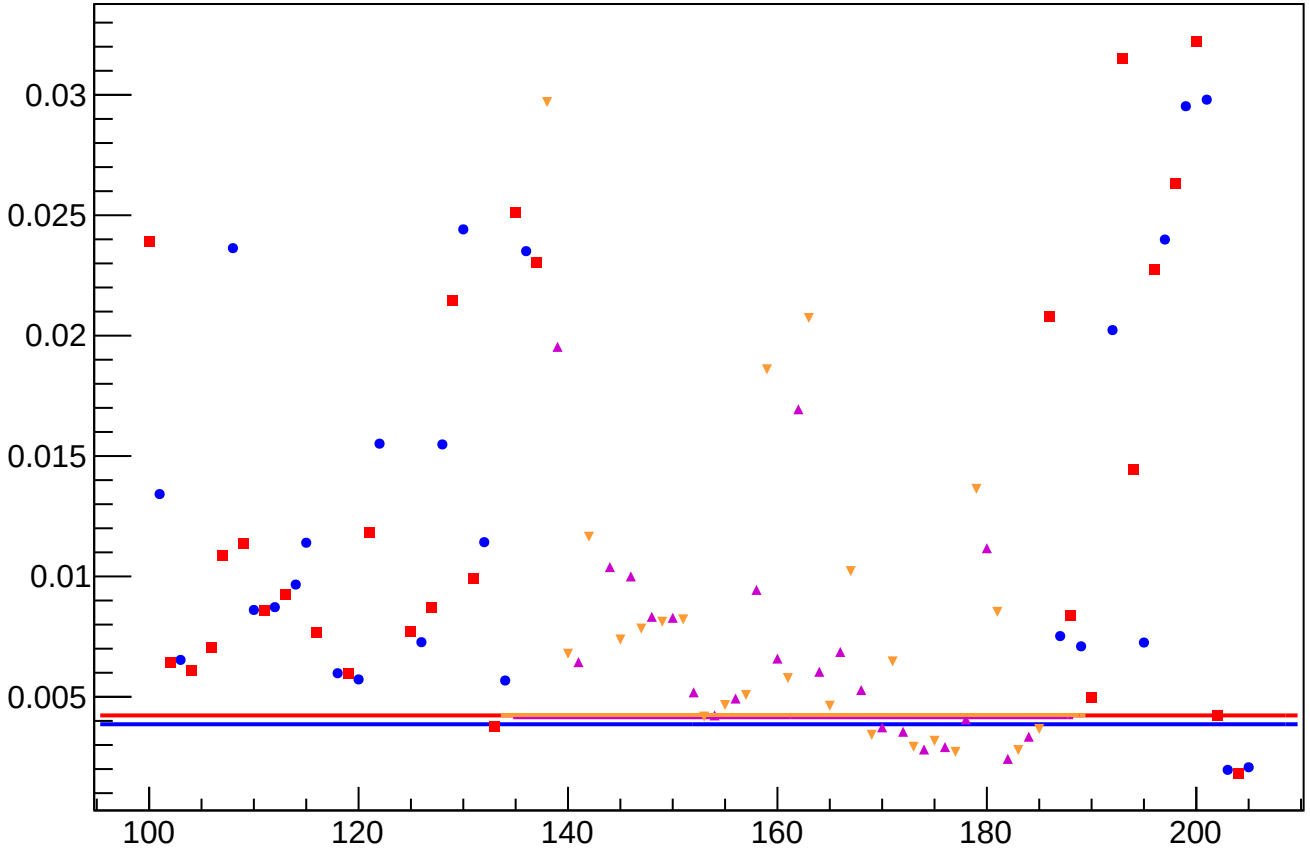
Right: -0.000+/-0.000 χ^2/NDF: 59.3/52

In: -0.000+/-0.000 χ^2/NDF:60.0/47

Out: 0.000+/-0.000 χ^2/NDF:53.0/51

All: 0.000+/-0.000 χ^2/NDF: 113.1/99

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 13278663.6/24

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13284242.6/27

Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

Left: 0.004+/-0.000 χ^2/NDF: 15543472.1/46

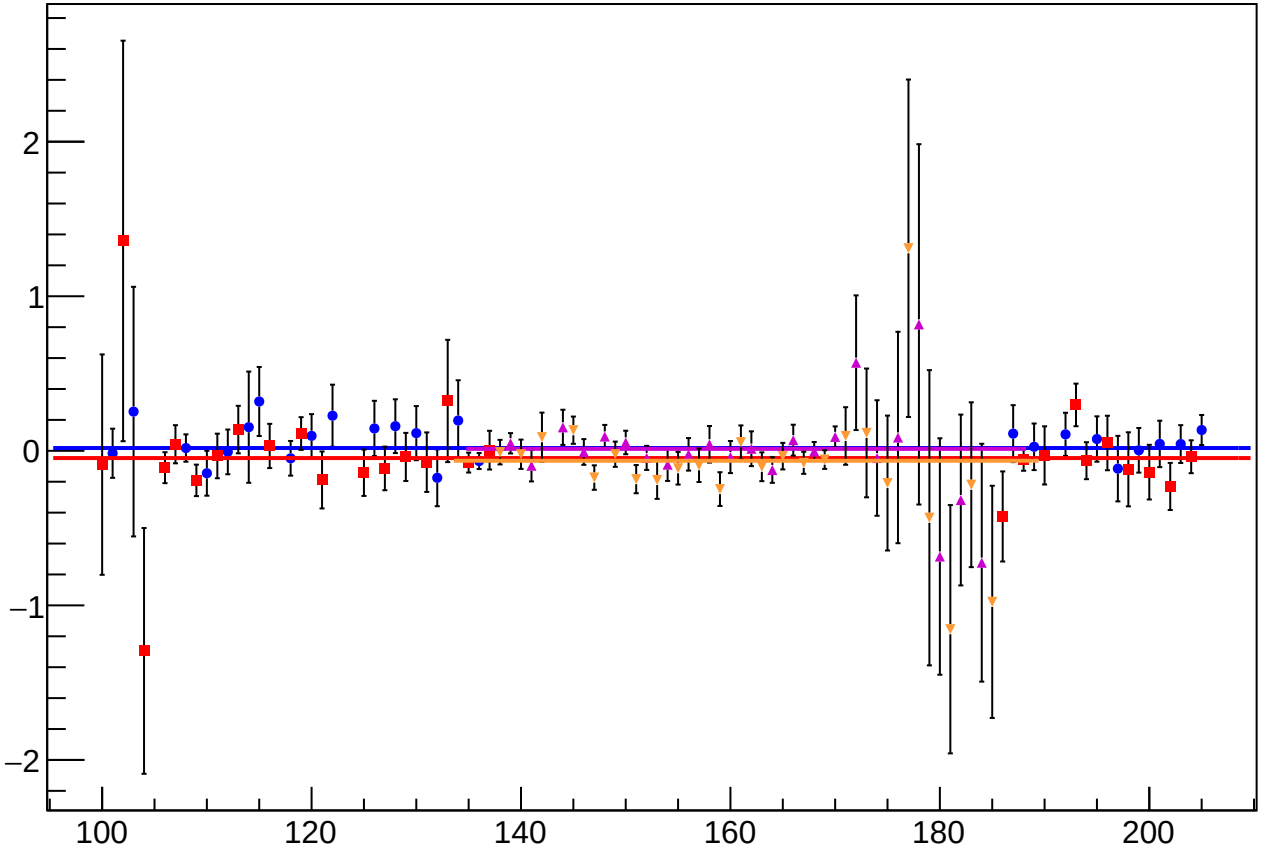
Right: 0.004+/-0.000 χ^2/NDF: 26618350.5/52

In: 0.004+/-0.000 χ^2/NDF:20209621.8/47

Out: 0.004+/-0.000 χ^2/NDF:21935303.1/51

All: 0.004+/-0.000 χ^2/NDF: 42187492.7/99

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

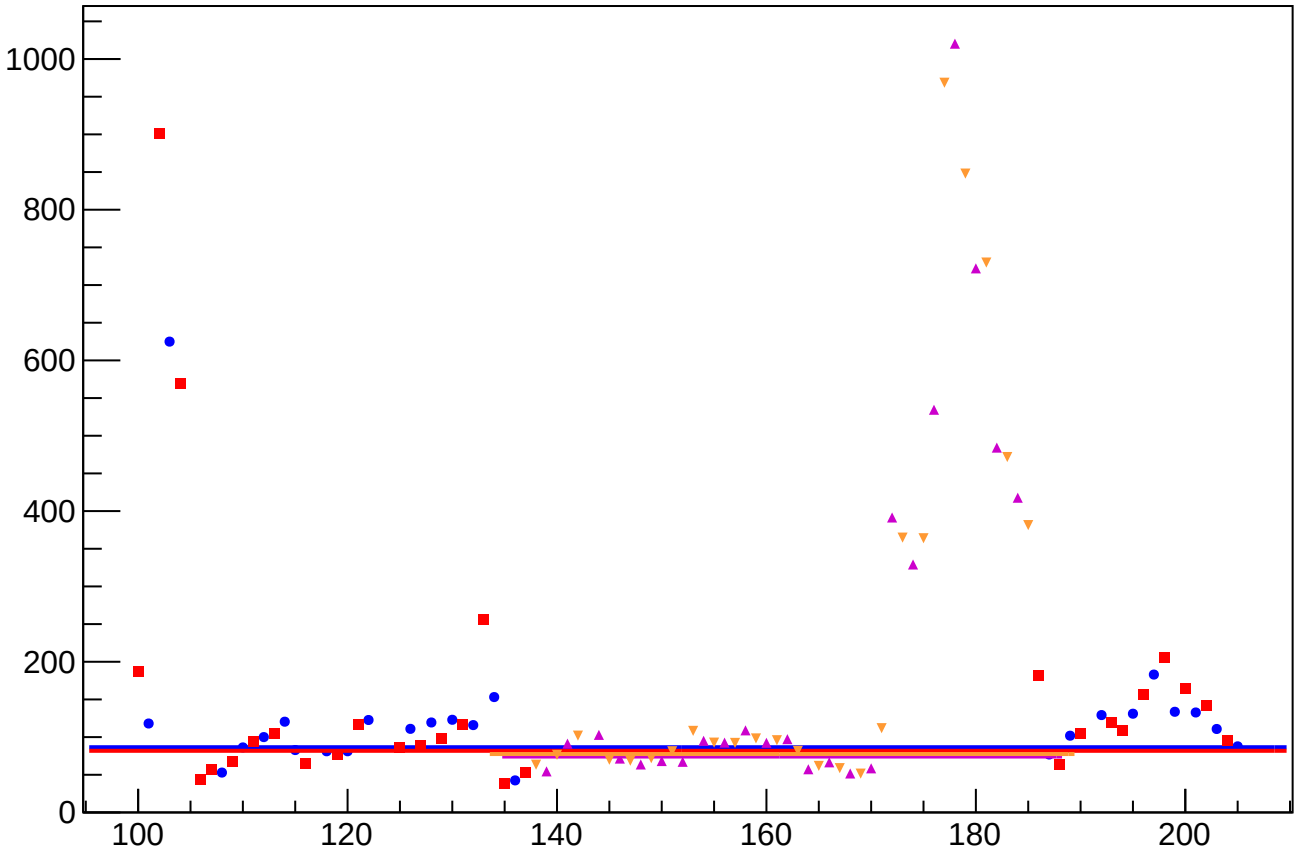
Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

Right: -0.016+/-0.018 χ^2/NDF: 39.8/52

In: 0.015+/-0.017 χ^2/NDF:28.6/47

Out: -0.057+/-0.017 χ^2/NDF:45.7/51

All: -0.021+/-0.012 χ^2/NDF: 83.7/99



Right In: 86.591+/-0.019 χ^2/NDF: 4484269.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 81.825+/-0.018 χ^2/NDF: 5991427.6/27

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

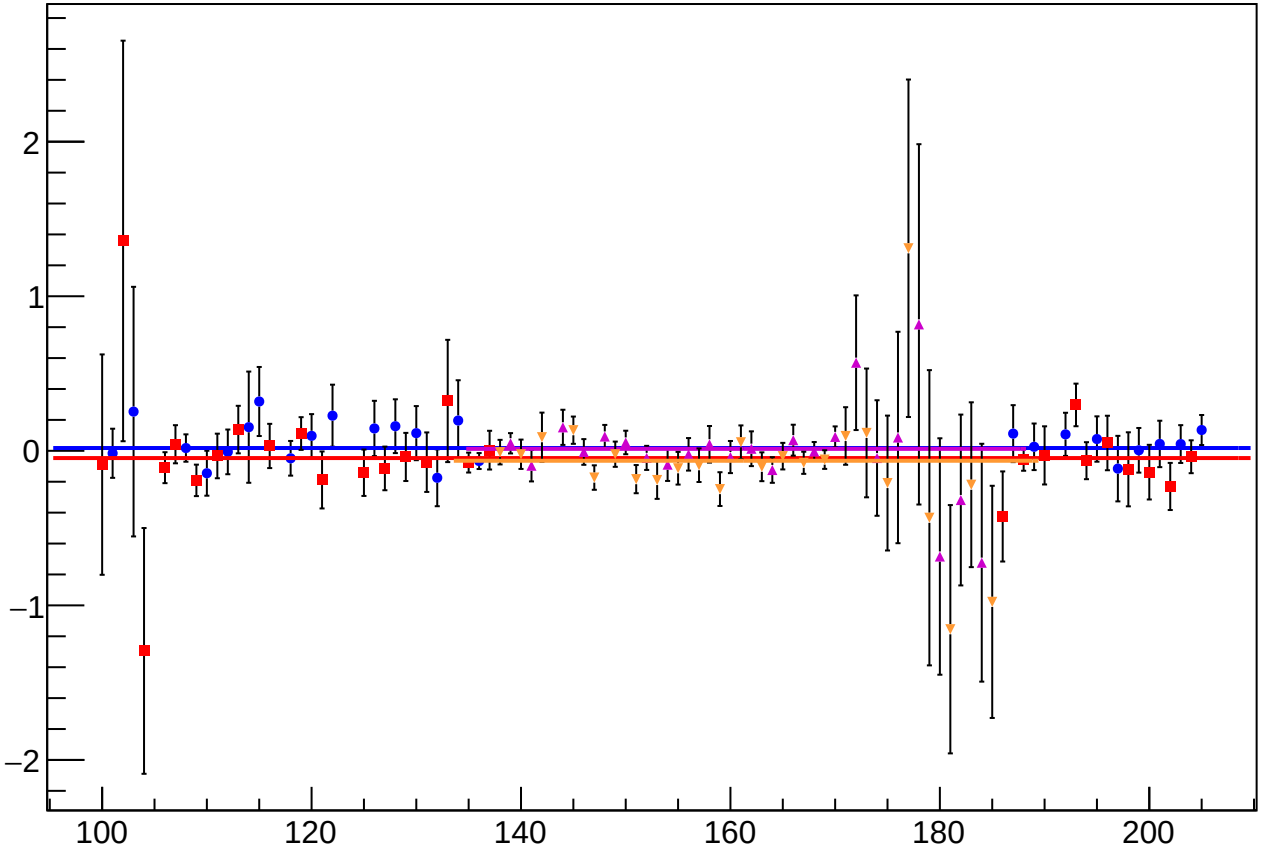
Right: 84.089+/-0.013 χ^2/NDF: 10509585.6/52

In: 79.019+/-0.012 χ^2/NDF:13264353.6/47

Out: 79.396+/-0.012 χ^2/NDF:14355272.0/51

All: 79.207+/-0.008 χ^2/NDF: 27620143.0/99

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

Right Out: -0.047+/-0.025 χ^2/NDF: 23.1/27

Left In: 0.013+/-0.021 χ^2/NDF:15.0/22

Left: -0.024+/-0.015 χ^2/NDF: 43.7/46

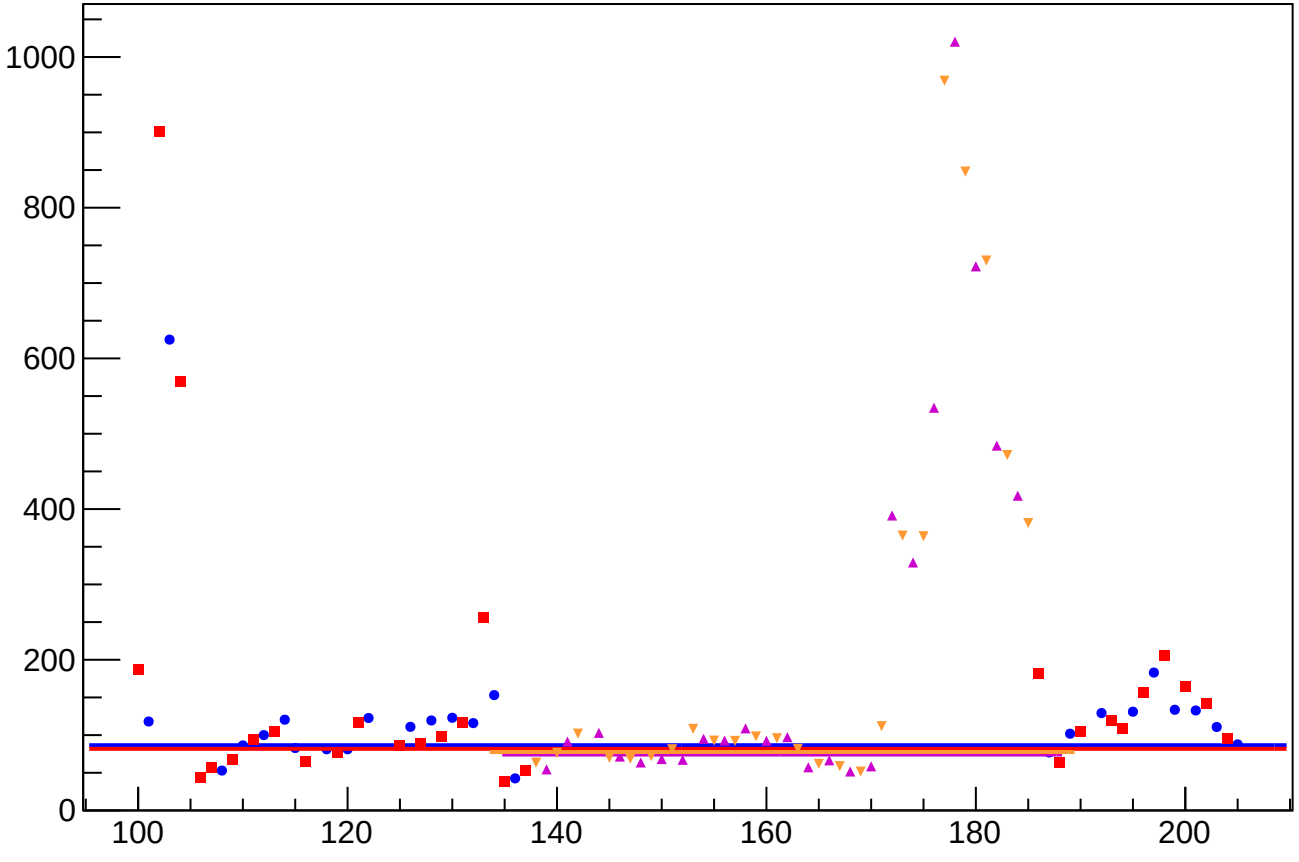
Right: -0.016+/-0.018 χ^2/NDF: 39.8/52

In: 0.015+/-0.017 χ^2/NDF:28.6/47

Out: -0.057+/-0.017 χ^2/NDF:45.7/51

All: -0.021+/-0.012 χ^2/NDF: 83.7/99

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 86.591+/-0.019 χ^2/NDF: 4484269.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 81.825+/-0.018 χ^2/NDF: 5991427.6/27

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

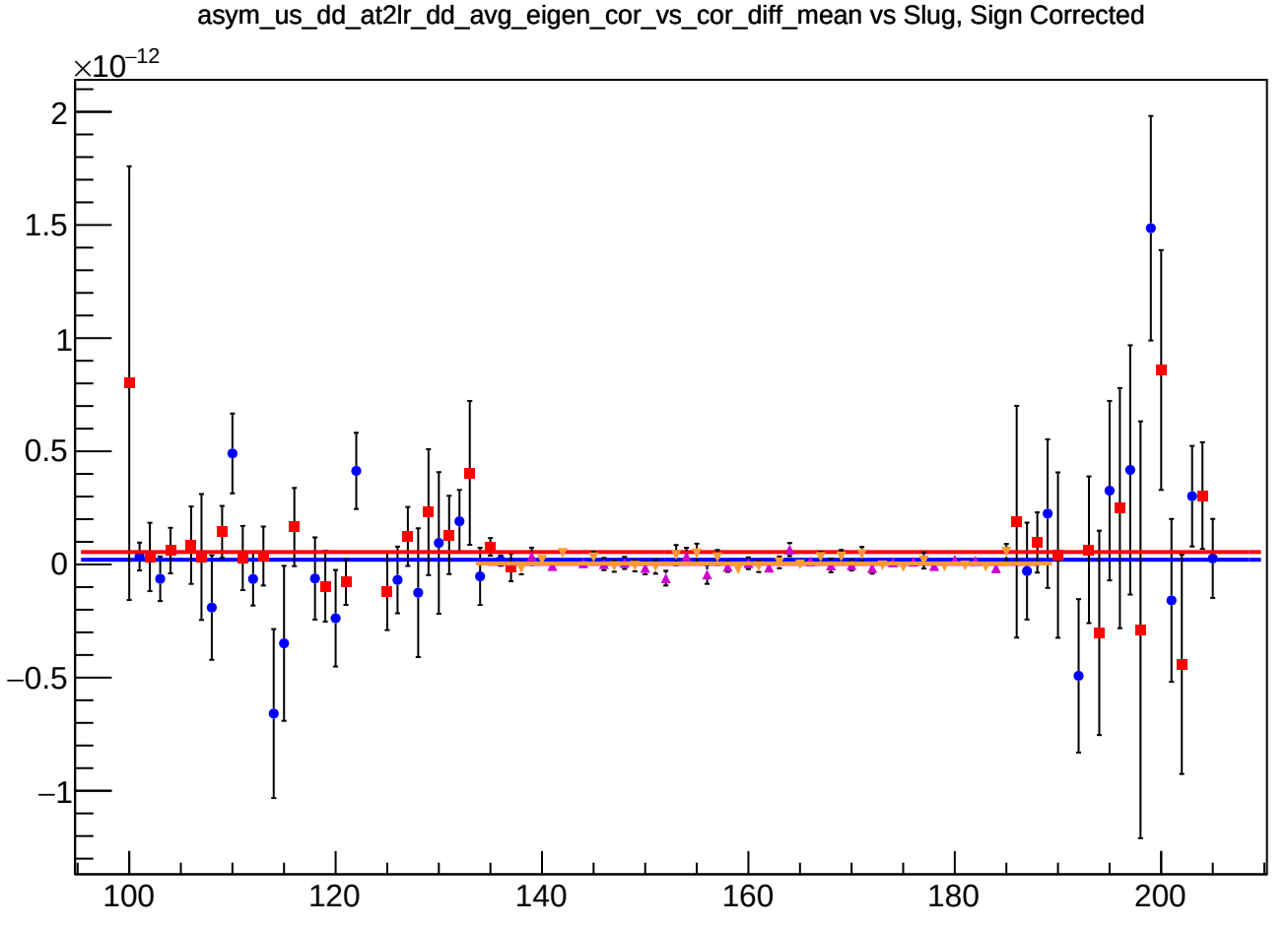
Left: 75.800+/-0.011 χ^2/NDF: 16868415.3/46

Right: 84.089+/-0.013 χ^2/NDF: 10509585.6/52

In: 79.019+/-0.012 χ^2/NDF:13264353.6/47

Out: 79.396+/-0.012 χ^2/NDF:14355272.0/51

All: 79.207+/-0.008 χ^2/NDF: 27620143.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14.6/27

Left In: 0.000+/-0.000 χ^2/NDF:17.5/22

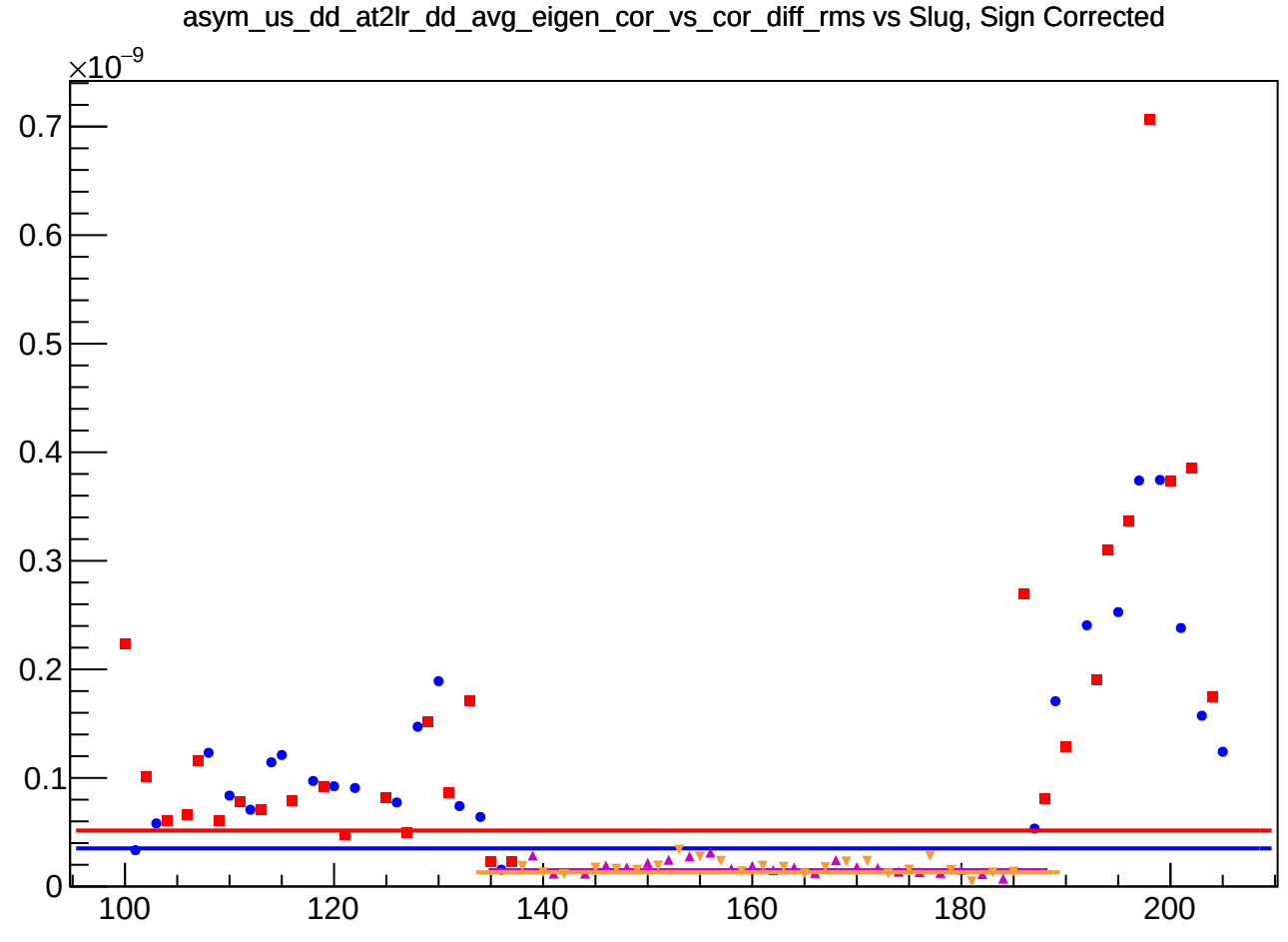
Left: 0.000+/-0.000 χ^2/NDF: 39.3/46

Right: 0.000+/-0.000 χ^2/NDF: 53.7/52

In: 0.000+/-0.000 χ^2/NDF:56.2/47

Out: 0.000+/-0.000 χ^2/NDF:40.6/51

All: 0.000+/-0.000 χ^2/NDF: 97.0/99



Right In: 0.000+/-0.000 χ^2/NDF: 9377762.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8348915.7/27

Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

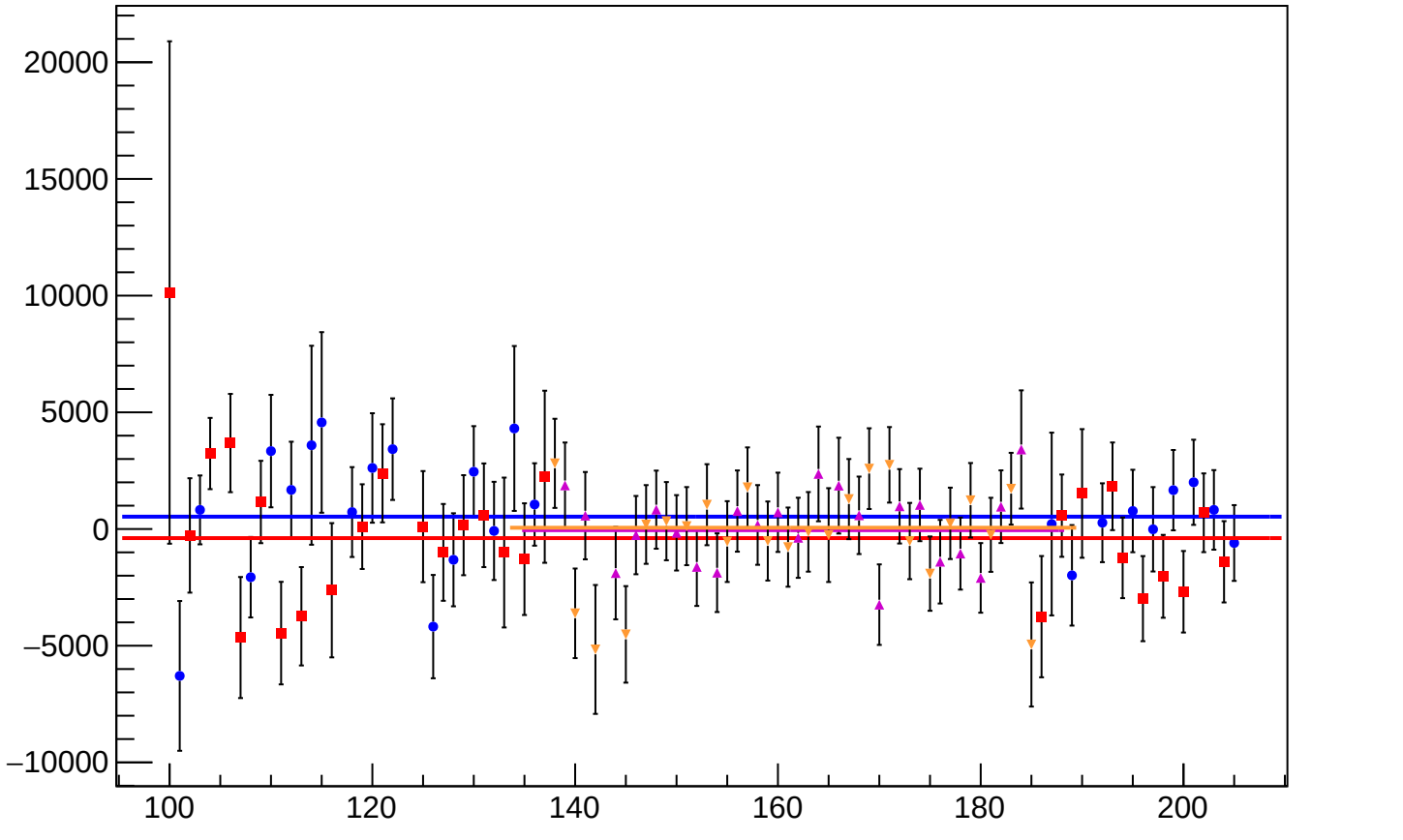
Left: 0.000+/-0.000 χ^2/NDF: 6568948.9/46

Right: 0.000+/-0.000 χ^2/NDF: 18308500.6/52

In: 0.000+/-0.000 χ^2/NDF:13633951.6/47

Out: 0.000+/-0.000 χ^2/NDF:17558154.9/51

All: 0.000+/-0.000 χ^2/NDF: 31368182.8/99



Right In: 529.114+/-406.618 χ^2/NDF: 23.4/24

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: -389.889+/-395.164 χ^2/NDF: 32.7/27

Left In: -48.177+/-359.531 χ^2/NDF:16.8/22

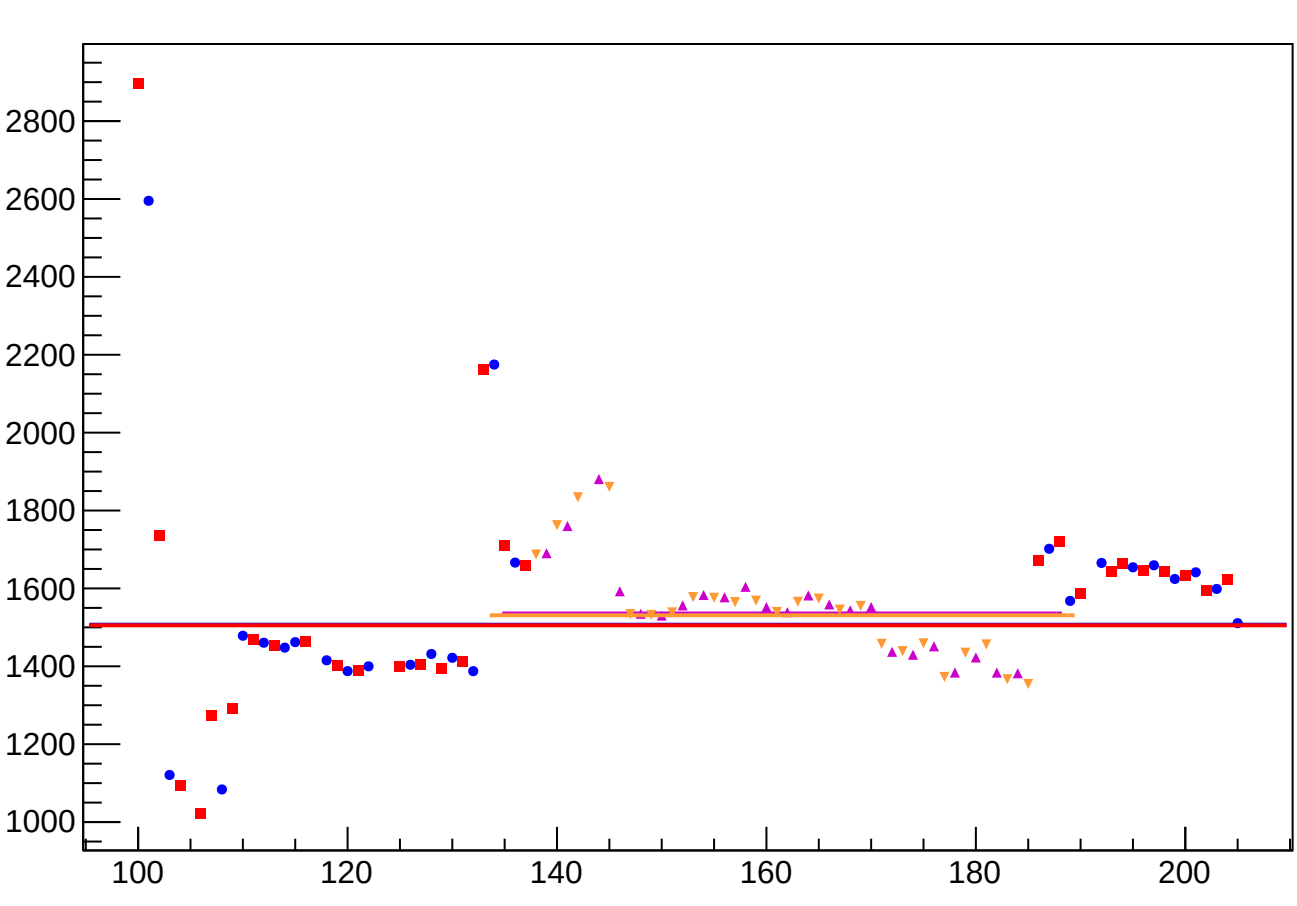
Left: 3.751+/-253.103 χ^2/NDF: 45.3/46

Right: 56.486+/-283.386 χ^2/NDF: 58.8/52

In: 205.122+/-269.343 χ^2/NDF:41.3/47

Out: -144.670+/-264.649 χ^2/NDF:61.9/51

All: 27.151+/-188.773 χ^2/NDF: 104.1/99



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.1/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

Right Out: 1505.277+/-0.279 χ^2/NDF: 598528.3/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

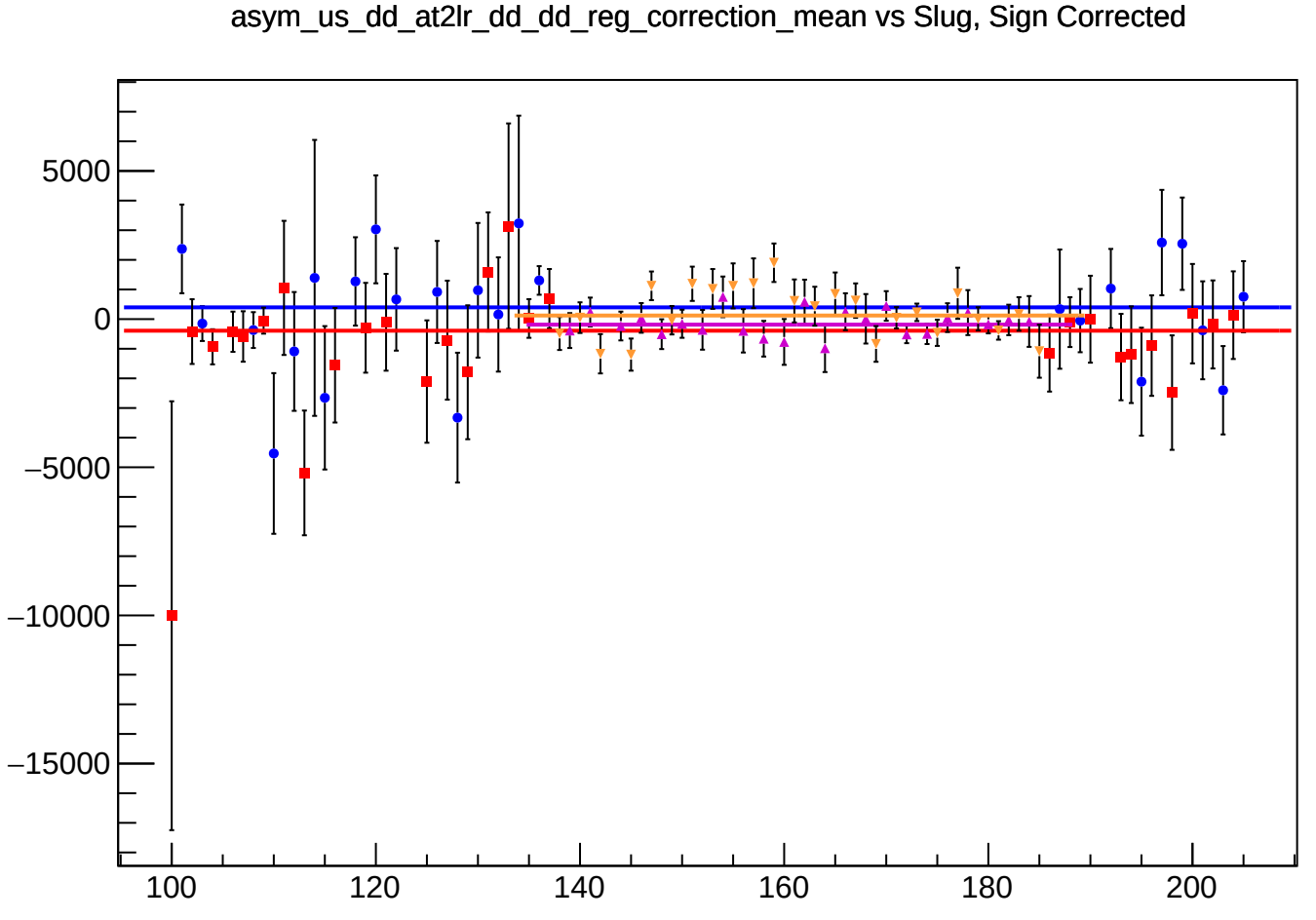
Left: 1533.243+/-0.179 χ^2/NDF: 396135.8/46

Right: 1505.988+/-0.200 χ^2/NDF: 1285912.7/52

In: 1522.910+/-0.190 χ^2/NDF:885438.9/47

Out: 1519.449+/-0.187 χ^2/NDF:806732.9/51

All: 1521.149+/-0.133 χ^2/NDF: 1692339.7/99



Right In: 396.541+/-240.037 χ^2/NDF: 28.9/24

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: -391.077+/-206.271 χ^2/NDF: 16.6/27

Left In: -186.828+/-106.975 χ^2/NDF:11.6/22

Left: -29.966+/-74.957 χ^2/NDF: 59.5/46

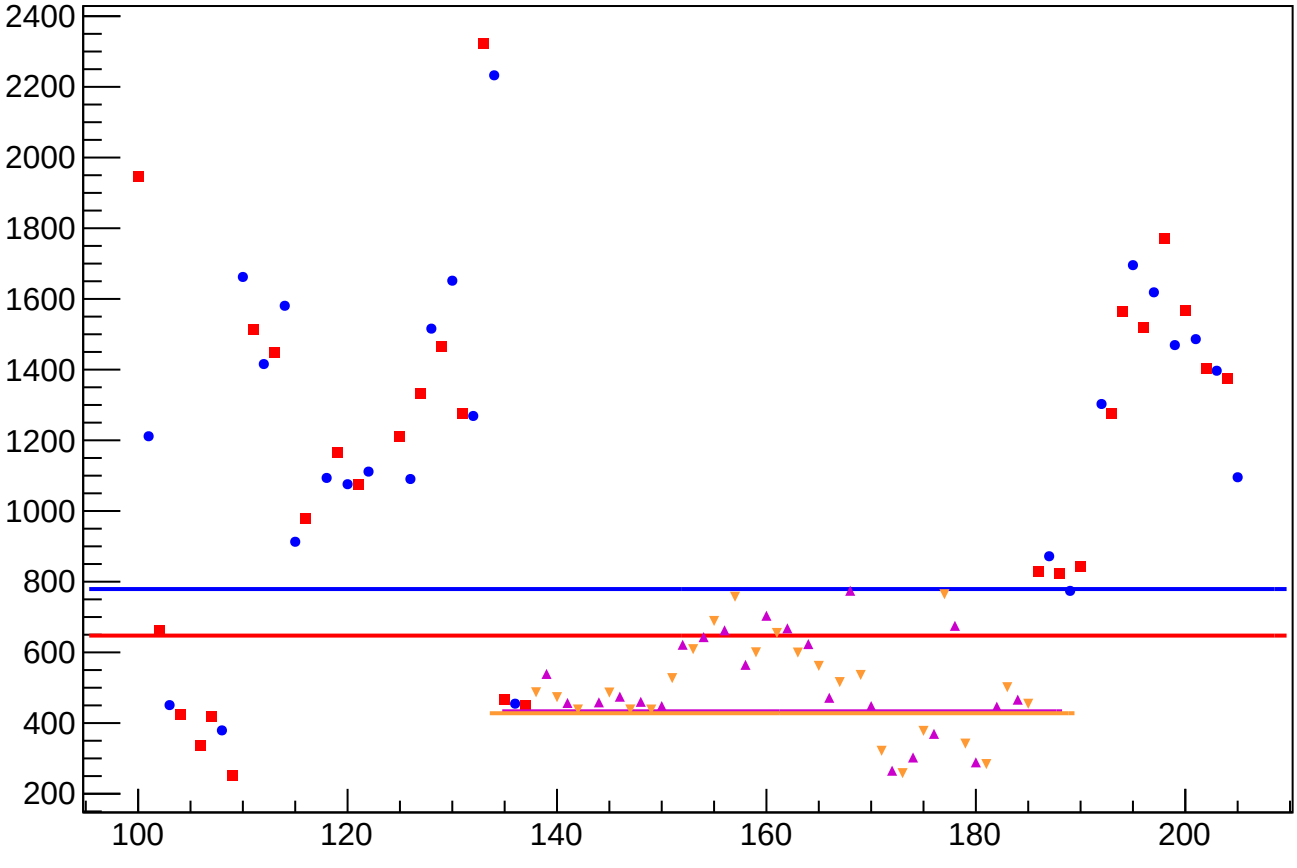
Right: -56.518+/-156.443 χ^2/NDF: 51.7/52

In: -90.161+/-97.711 χ^2/NDF:45.4/47

Out: 15.781+/-93.616 χ^2/NDF:65.2/51

All: -34.924+/-67.598 χ^2/NDF: 111.2/99

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 779.192+/-0.170 χ^2/NDF: 6800172.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 647.492+/-0.146 χ^2/NDF: 9077611.8/27

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

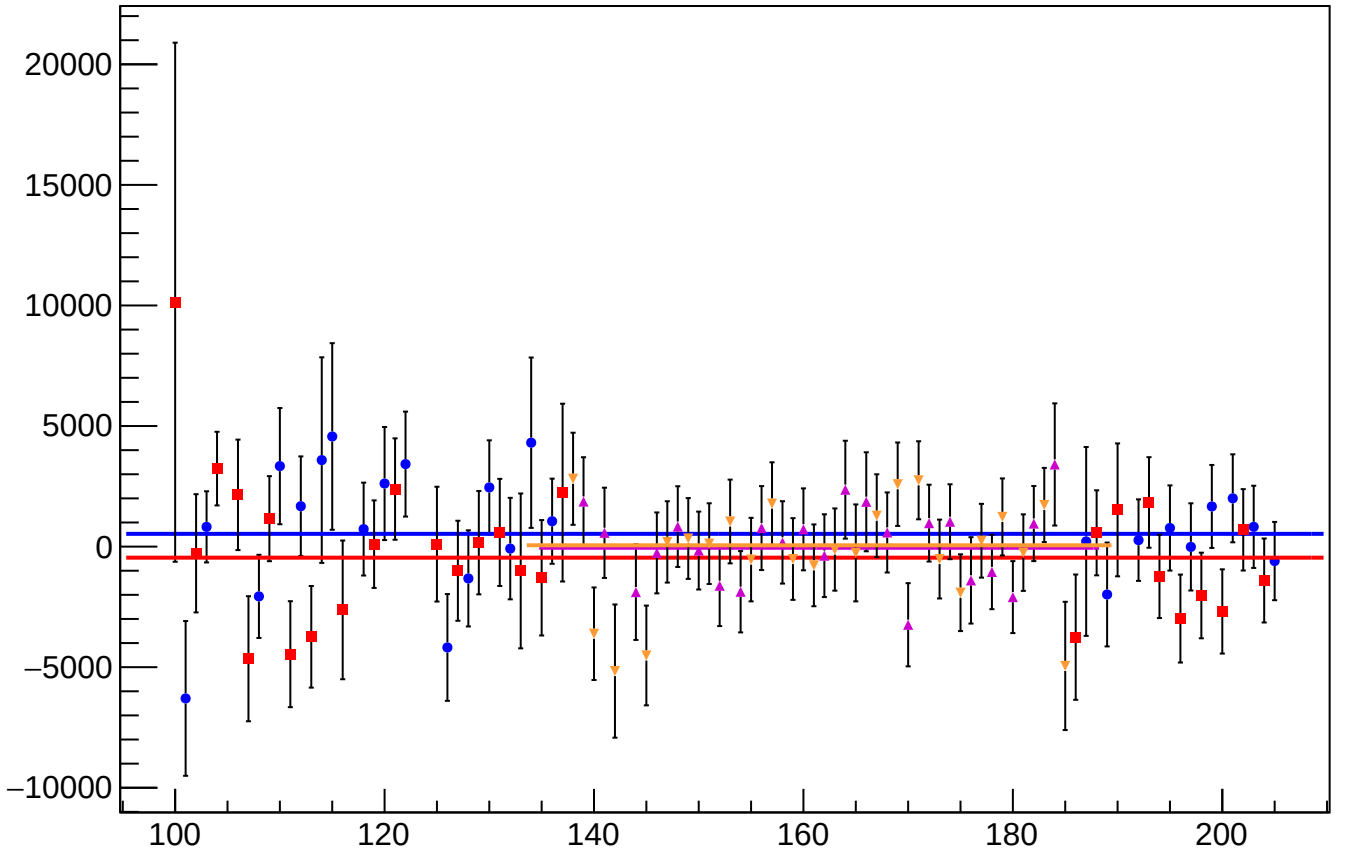
Left: 430.499+/-0.053 χ^2/NDF: 6438819.2/46

Right: 703.435+/-0.111 χ^2/NDF: 16224112.8/52

In: 490.602+/-0.069 χ^2/NDF:13513283.0/47

Out: 473.064+/-0.066 χ^2/NDF:14066944.9/51

All: 481.458+/-0.048 χ^2/NDF: 27613821.5/99



Right In: 529.142+/-406.619 χ^2/NDF: 23.4/24

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: -458.414+/-396.245 χ^2/NDF: 30.2/27

Left In: -48.256+/-359.531 χ^2/NDF:16.8/22

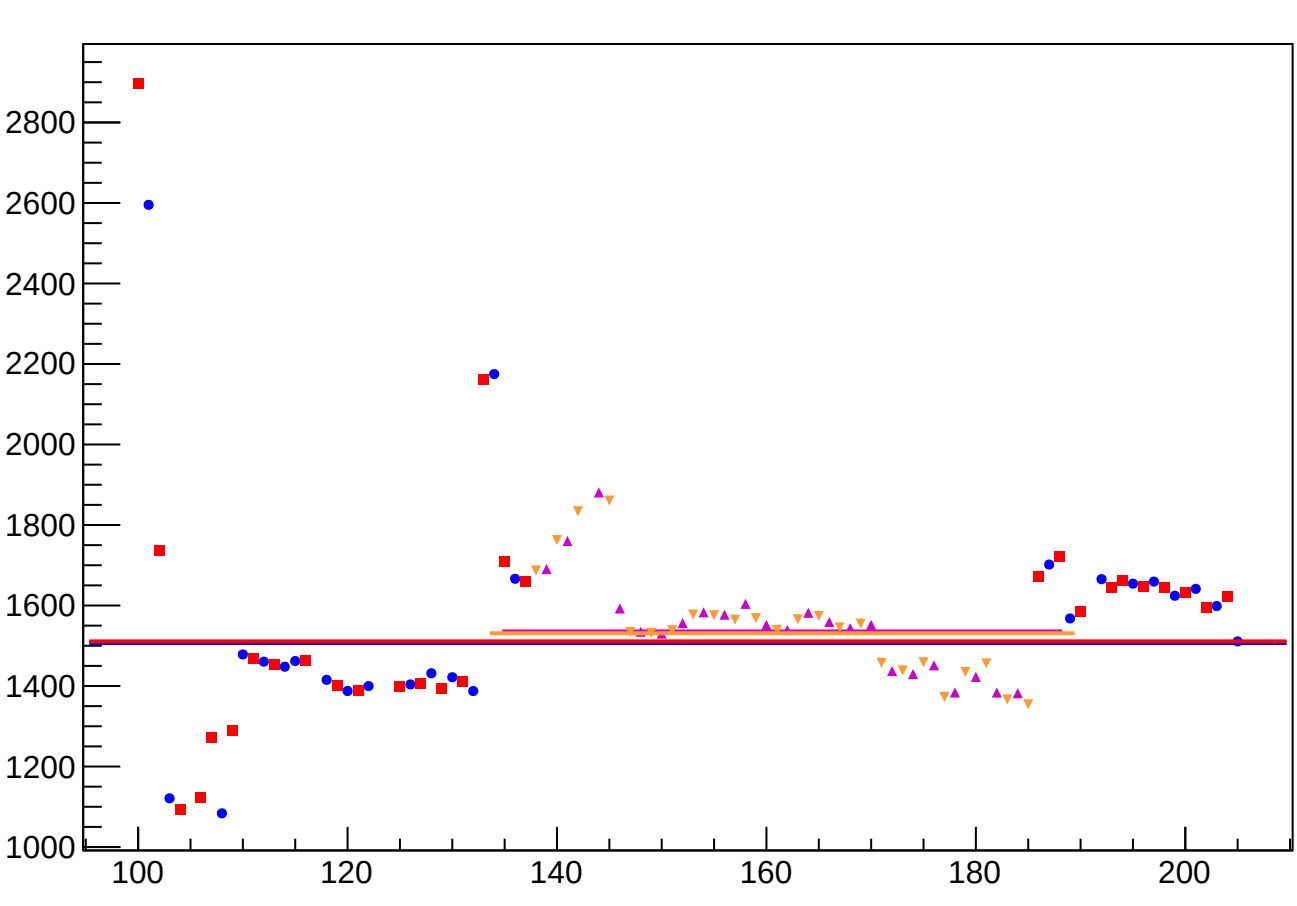
Left: 3.693+/-253.103 χ^2/NDF: 45.3/46

Right: 22.606+/-283.784 χ^2/NDF: 56.6/52

In: 205.089+/-269.343 χ^2/NDF:41.3/47

Out: -174.732+/-264.973 χ^2/NDF:59.6/51

All: 12.072+/-188.890 χ^2/NDF: 101.9/99



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.5/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1510.890+/-0.280 χ^2/NDF: 549124.2/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

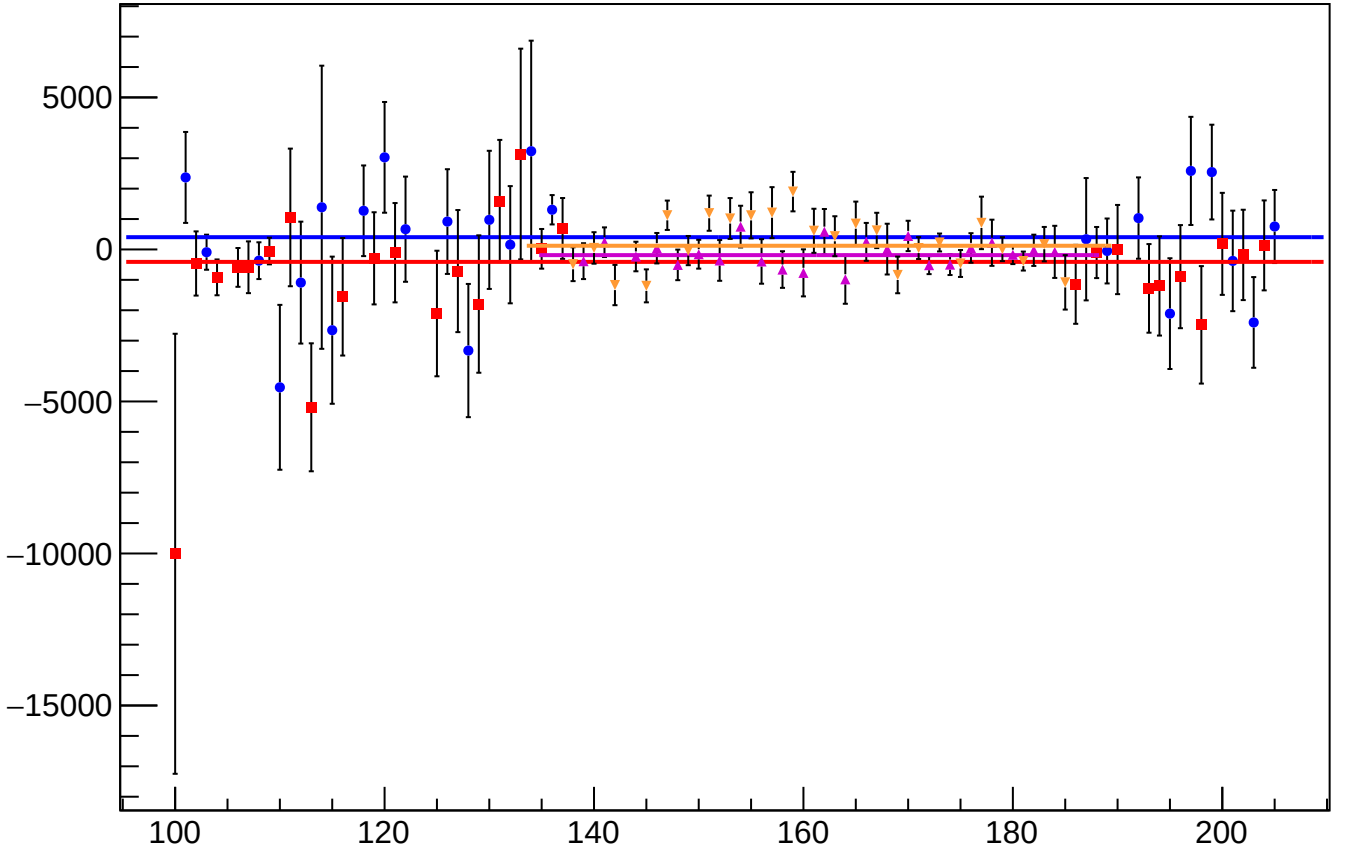
Right: 1508.869+/-0.201 χ^2/NDF: 1236602.5/52

In: 1522.910+/-0.190 χ^2/NDF:885439.2/47

Out: 1521.994+/-0.187 χ^2/NDF:755504.9/51

All: 1522.444+/-0.134 χ^2/NDF: 1640955.9/99

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 403.344+/-239.259 χ^2/NDF: 28.8/24

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -409.148+/-204.622 χ^2/NDF: 16.7/27

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

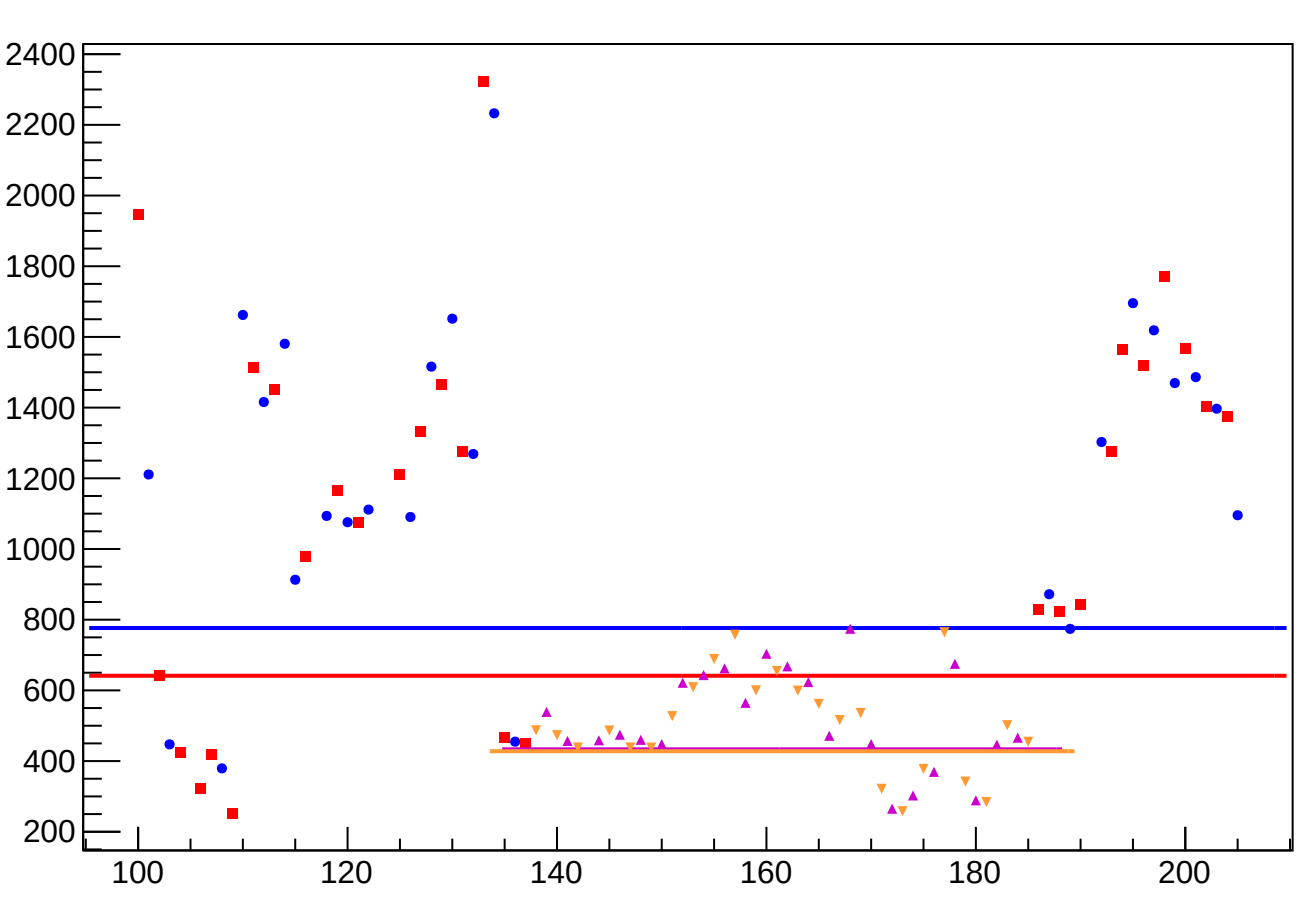
Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

Right: -65.919+/-155.507 χ^2/NDF: 52.1/52

In: -88.677+/-97.658 χ^2/NDF:45.4/47

Out: 10.658+/-93.461 χ^2/NDF:65.6/51

All: -36.829+/-67.522 χ^2/NDF: 111.6/99



Right In: 776.453+/-0.169 χ^2/NDF: 6838064.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 641.352+/-0.145 χ^2/NDF: 9174960.7/27

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

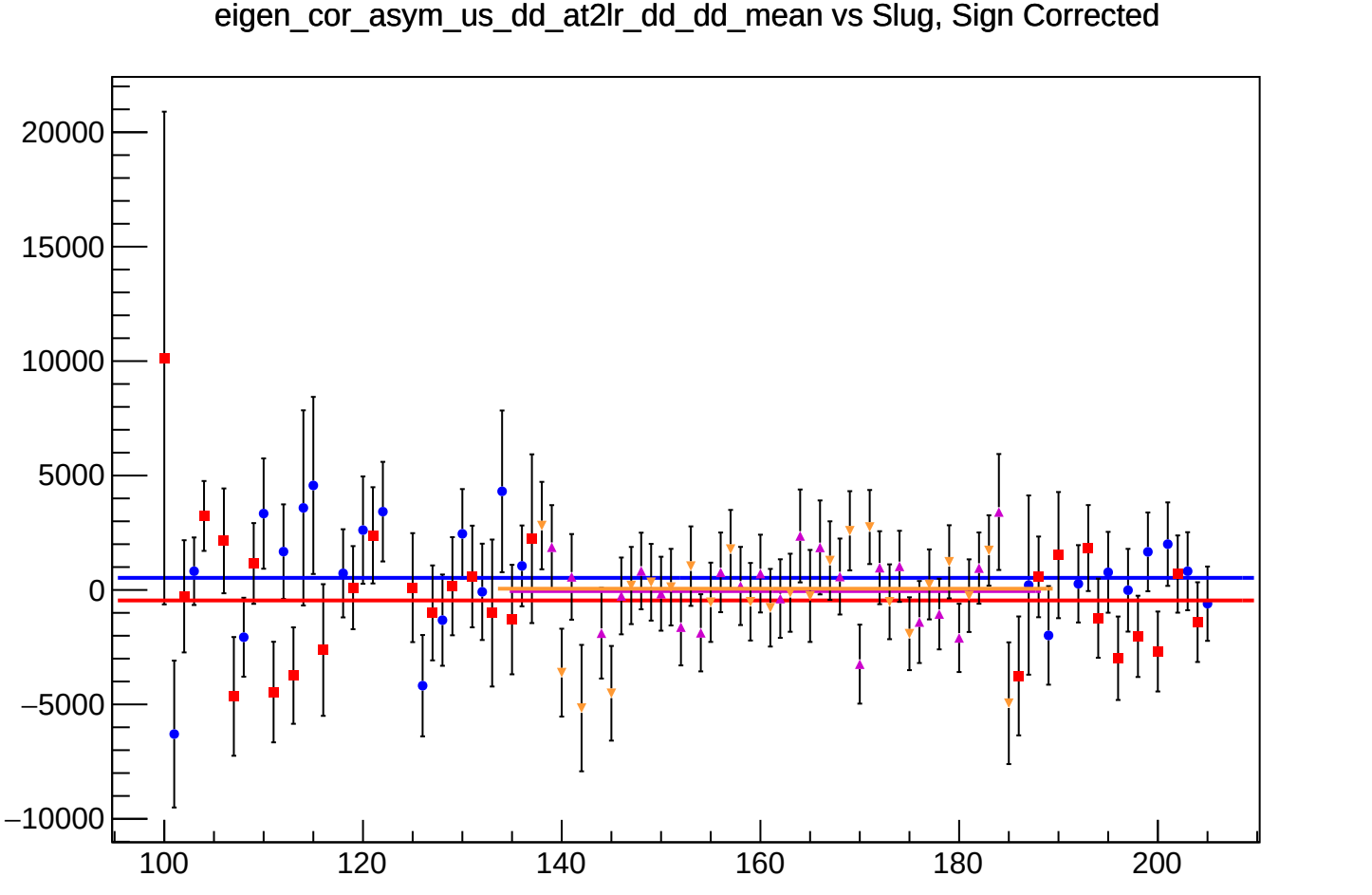
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

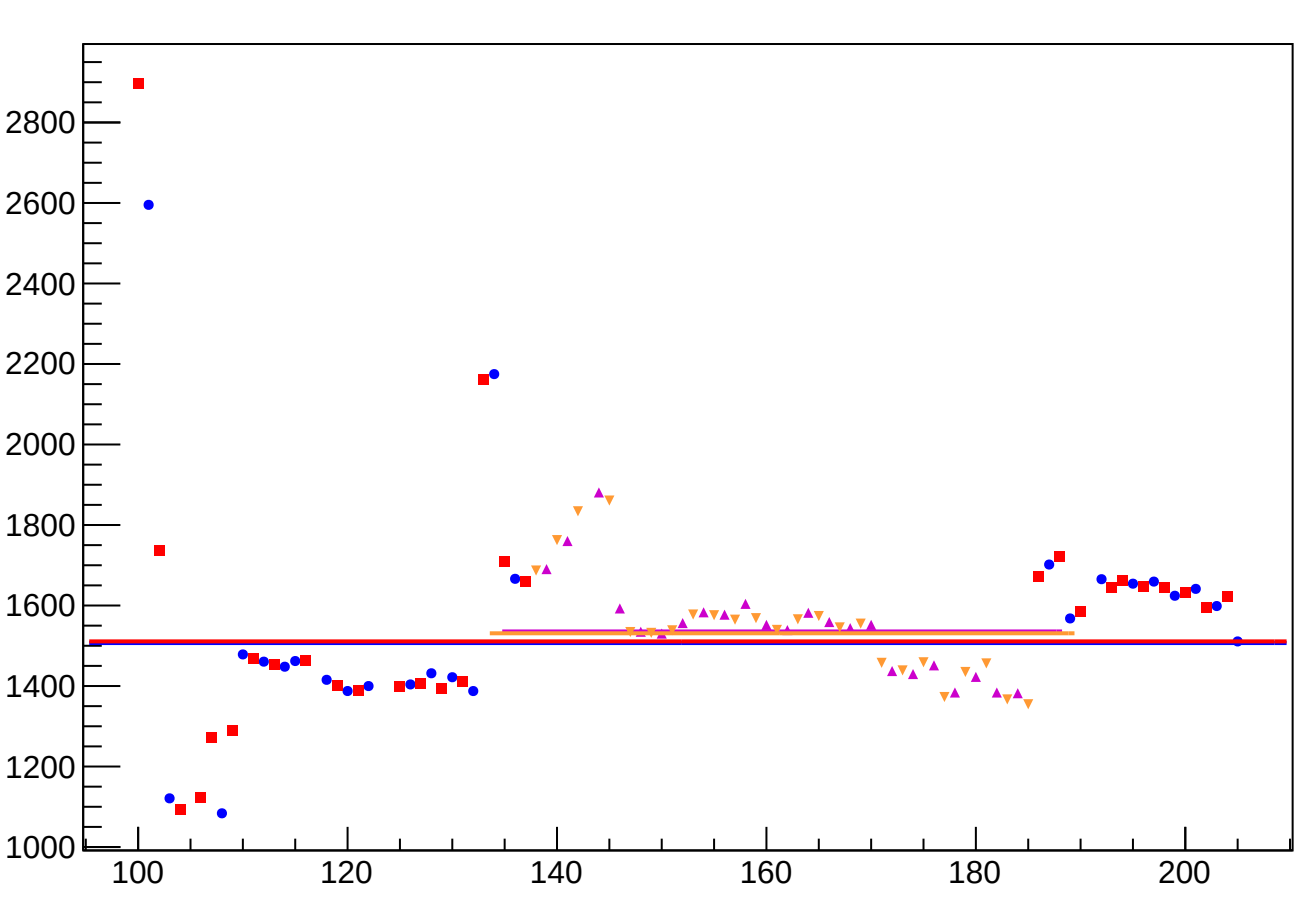
Right: 698.424+/-0.110 χ^2/NDF: 16381333.2/52

In: 490.458+/-0.069 χ^2/NDF:13514868.8/47

Out: 472.362+/-0.066 χ^2/NDF:14087049.1/51

All: 481.013+/-0.048 χ^2/NDF: 27637758.5/99


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: 529.142+/-406.619 χ²/NDF: 23.4/24
Left Out: 54.734+/-356.375 χ²/NDF:28.5/23
Right Out: -458.414+/-396.245 χ²/NDF: 30.2/27
Left In: -48.256+/-359.531 χ²/NDF:16.8/22
Left: 3.693+/-253.103 χ²/NDF: 45.3/46
Right: 22.606+/-283.784 χ²/NDF: 56.6/52
In: 205.089+/-269.343 χ²/NDF:41.3/47
Out: -174.732+/-264.973 χ²/NDF:59.6/51
All: 12.072+/-188.890 χ²/NDF: 101.9/99



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.5/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

Right Out: 1510.890+/-0.280 χ^2/NDF: 549124.2/27

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

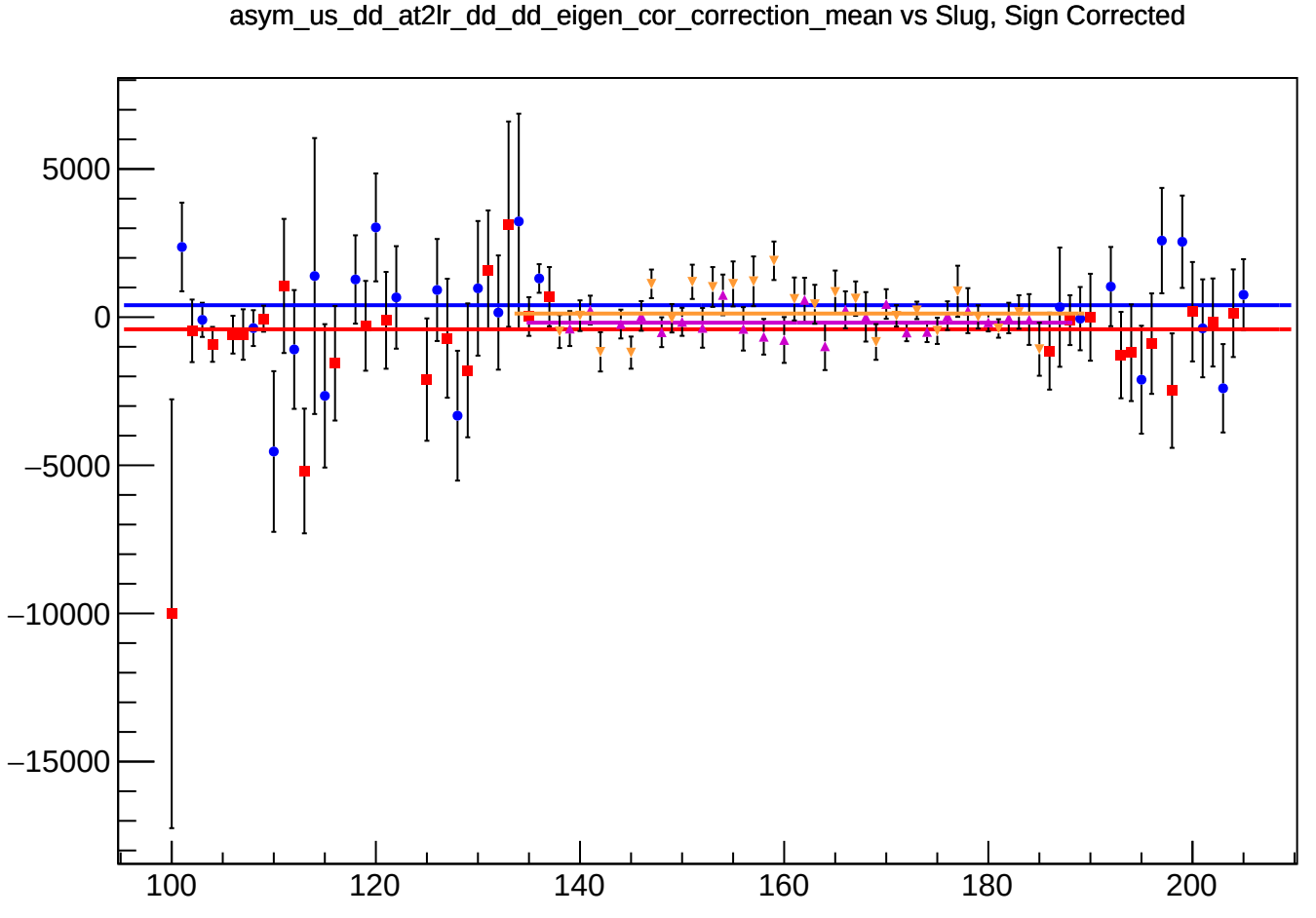
Left: 1533.243+/-0.179 χ^2/NDF: 396135.7/46

Right: 1508.869+/-0.201 χ^2/NDF: 1236602.5/52

In: 1522.910+/-0.190 χ^2/NDF:885439.2/47

Out: 1521.994+/-0.187 χ^2/NDF:755504.9/51

All: 1522.444+/-0.134 χ^2/NDF: 1640955.9/99



Right In: 403.344+/-239.259 χ^2/NDF: 28.8/24

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: -409.148+/-204.622 χ^2/NDF: 16.7/27

Left In: -187.037+/-106.975 χ^2/NDF:11.6/22

Left: -30.071+/-74.957 χ^2/NDF: 59.5/46

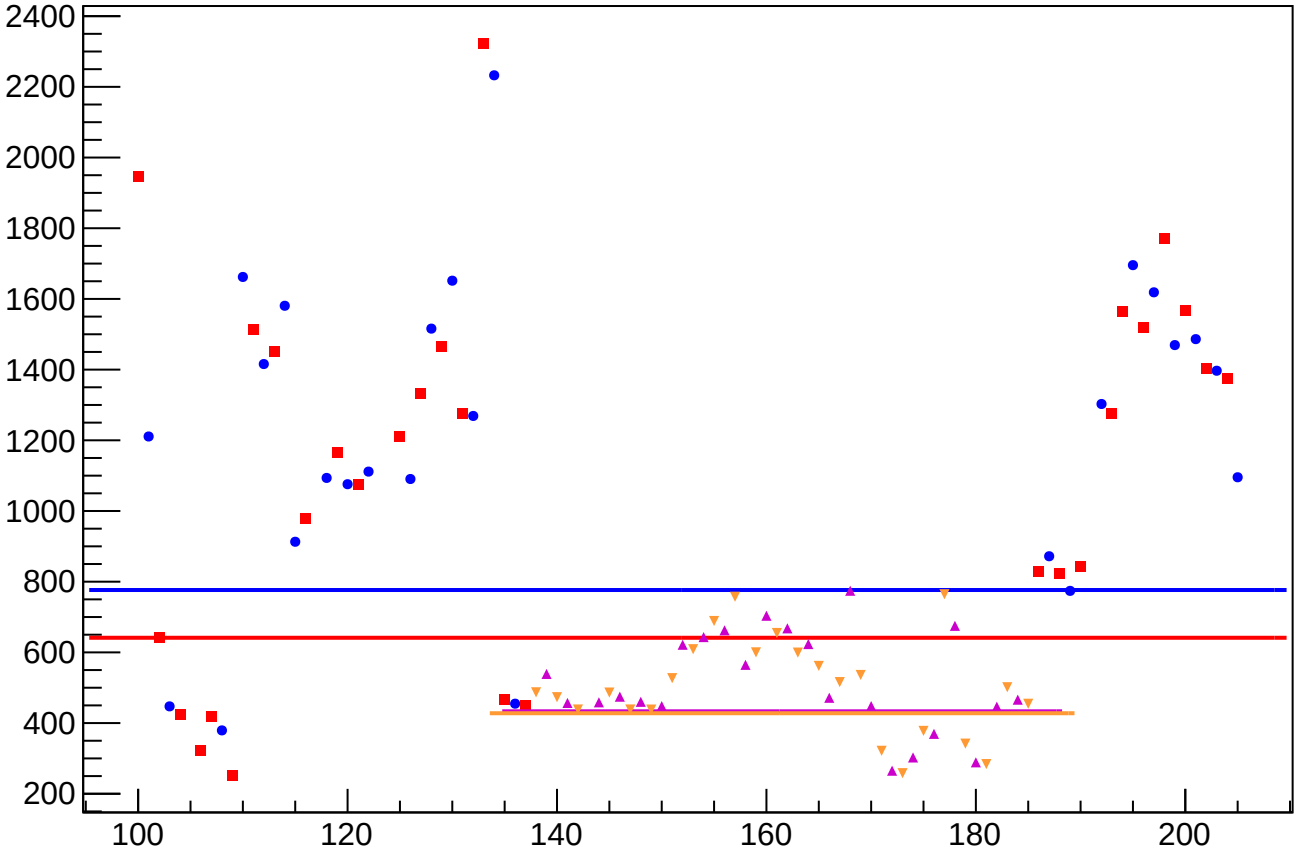
Right: -65.919+/-155.507 χ^2/NDF: 52.1/52

In: -88.677+/-97.658 χ^2/NDF:45.4/47

Out: 10.658+/-93.461 χ^2/NDF:65.6/51

All: -36.829+/-67.522 χ^2/NDF: 111.6/99

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 776.453+/-0.169 χ^2/NDF: 6838064.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 641.352+/-0.145 χ^2/NDF: 9174960.7/27

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

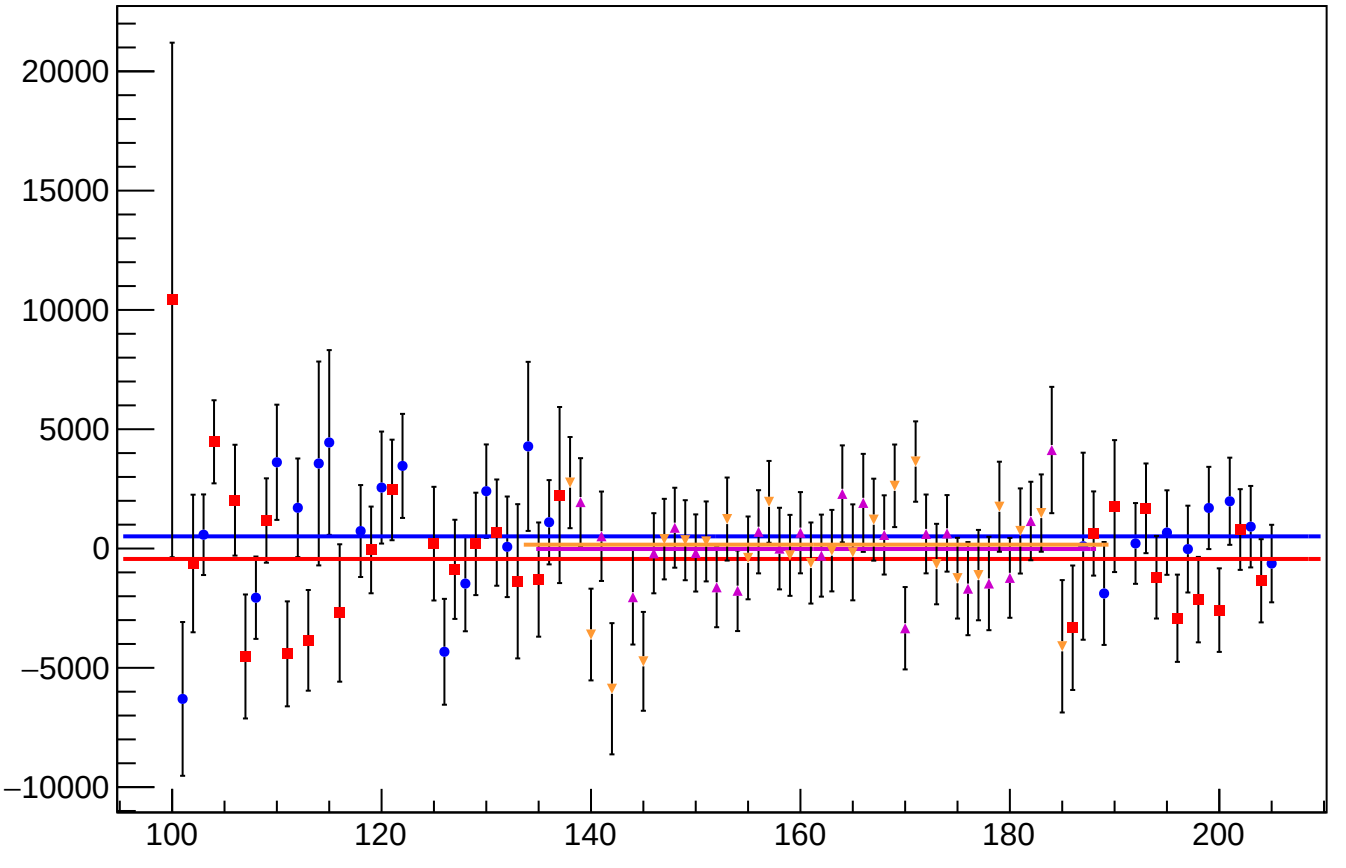
Left: 430.500+/-0.053 χ^2/NDF: 6438930.2/46

Right: 698.424+/-0.110 χ^2/NDF: 16381333.2/52

In: 490.458+/-0.069 χ^2/NDF:13514868.8/47

Out: 472.362+/-0.066 χ^2/NDF:14087049.1/51

All: 481.013+/-0.048 χ^2/NDF: 27637758.5/99



Right In: 509.953+/-411.055 χ^2/NDF: 23.8/24

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: -437.309+/-401.806 χ^2/NDF: 31.8/27

Left In: -20.252+/-369.781 χ^2/NDF:16.0/22

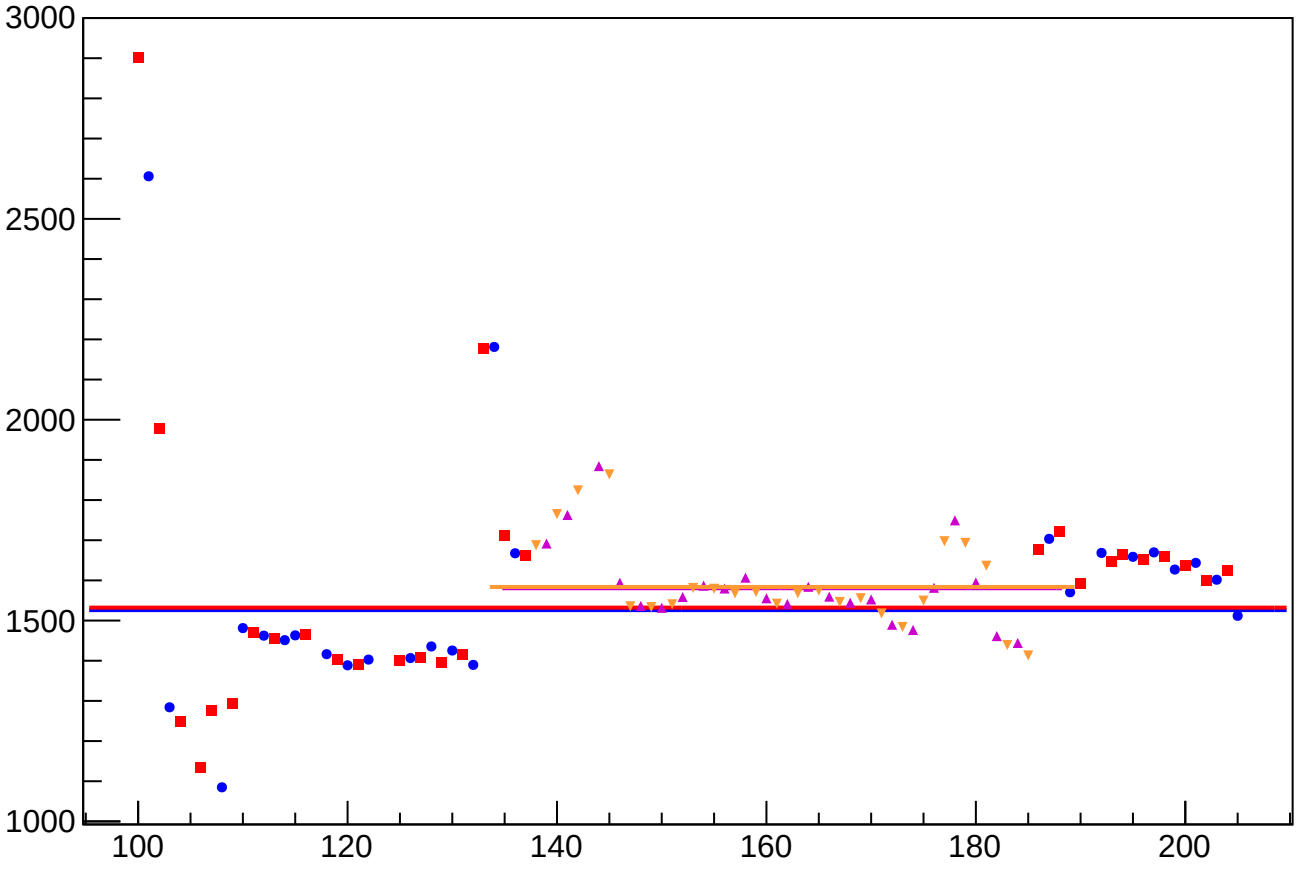
Left: 71.018+/-260.973 χ^2/NDF: 46.0/46

Right: 25.545+/-287.334 χ^2/NDF: 58.3/52

In: 216.903+/-274.912 χ^2/NDF:40.7/47

Out: -111.904+/-271.528 χ^2/NDF:62.9/51

All: 50.463+/-193.184 χ^2/NDF: 104.4/99



Right In: 1526.008+/-0.291 χ^2/NDF: 586571.8/24

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

Right Out: 1532.242+/-0.284 χ^2/NDF: 476766.1/27

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

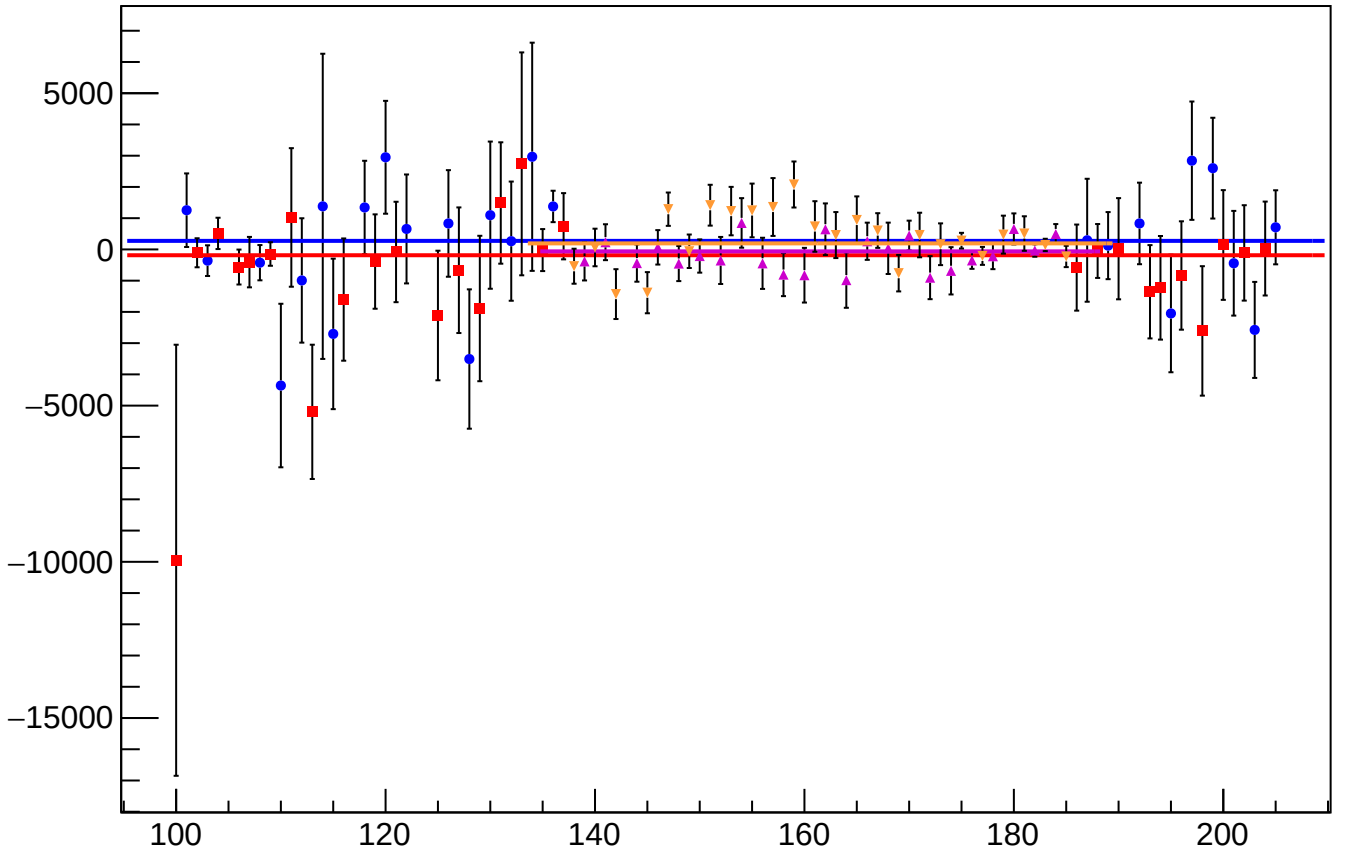
Left: 1582.075+/-0.185 χ^2/NDF: 259404.3/46

Right: 1529.196+/-0.203 χ^2/NDF: 1063573.0/52

In: 1556.107+/-0.194 χ^2/NDF:731718.2/47

Out: 1560.186+/-0.192 χ^2/NDF:628153.6/51

All: 1558.172+/-0.137 χ^2/NDF: 1360094.8/99



Right In: 273.622+/-230.139 χ^2/NDF: 29.6/24

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: -186.159+/-179.974 χ^2/NDF: 17.2/27

Left In: -62.183+/-99.717 χ^2/NDF:17.0/22

Left: 70.554+/-69.119 χ^2/NDF: 60.5/46

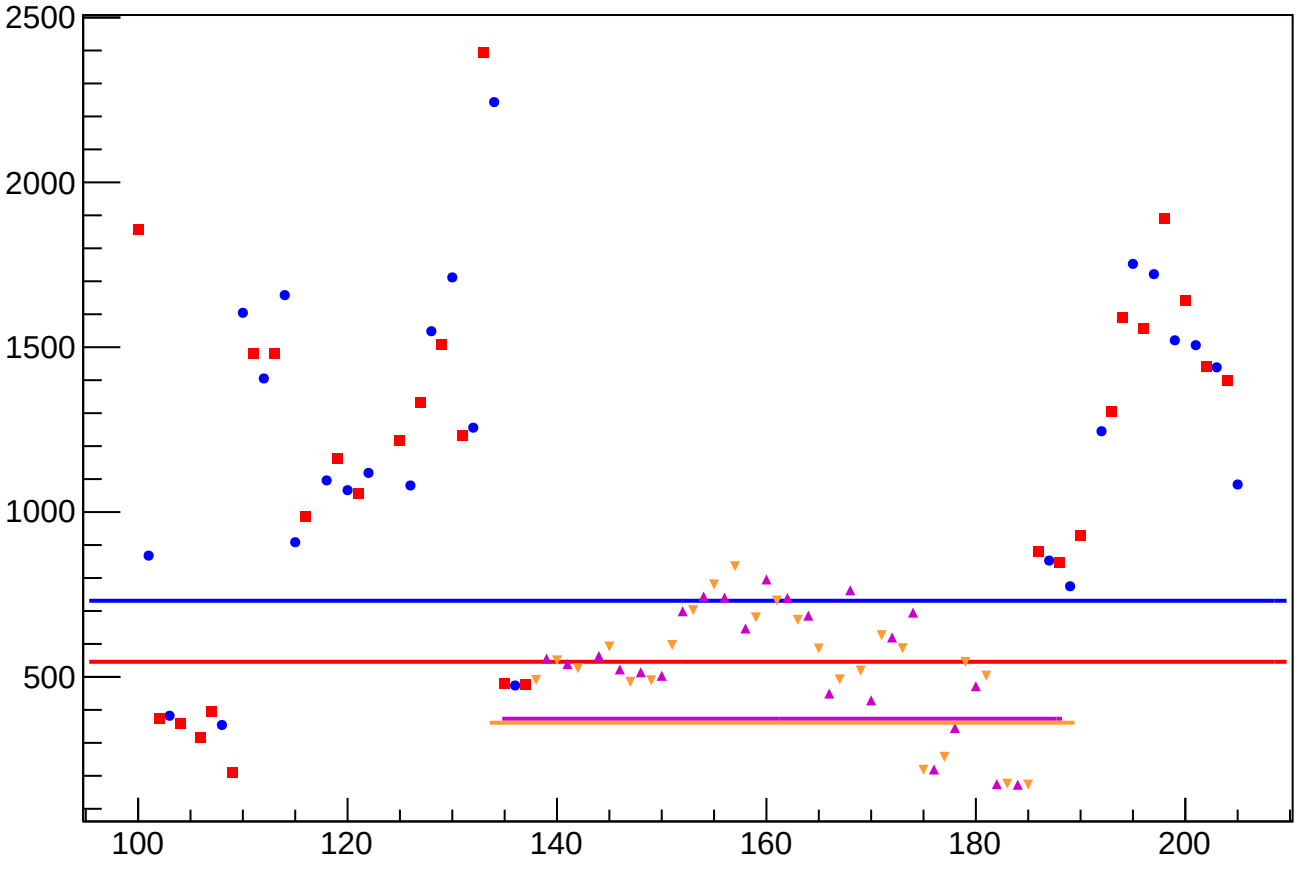
Right: -11.680+/-141.770 χ^2/NDF: 49.3/52

In: -9.103+/-91.497 χ^2/NDF:48.4/47

Out: 109.399+/-84.630 χ^2/NDF:60.7/51

All: 54.761+/-62.129 χ^2/NDF: 110.1/99

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 731.011+/-0.163 χ^2/NDF: 7432287.4/24

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 545.894+/-0.127 χ^2/NDF: 11061588.3/27

Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

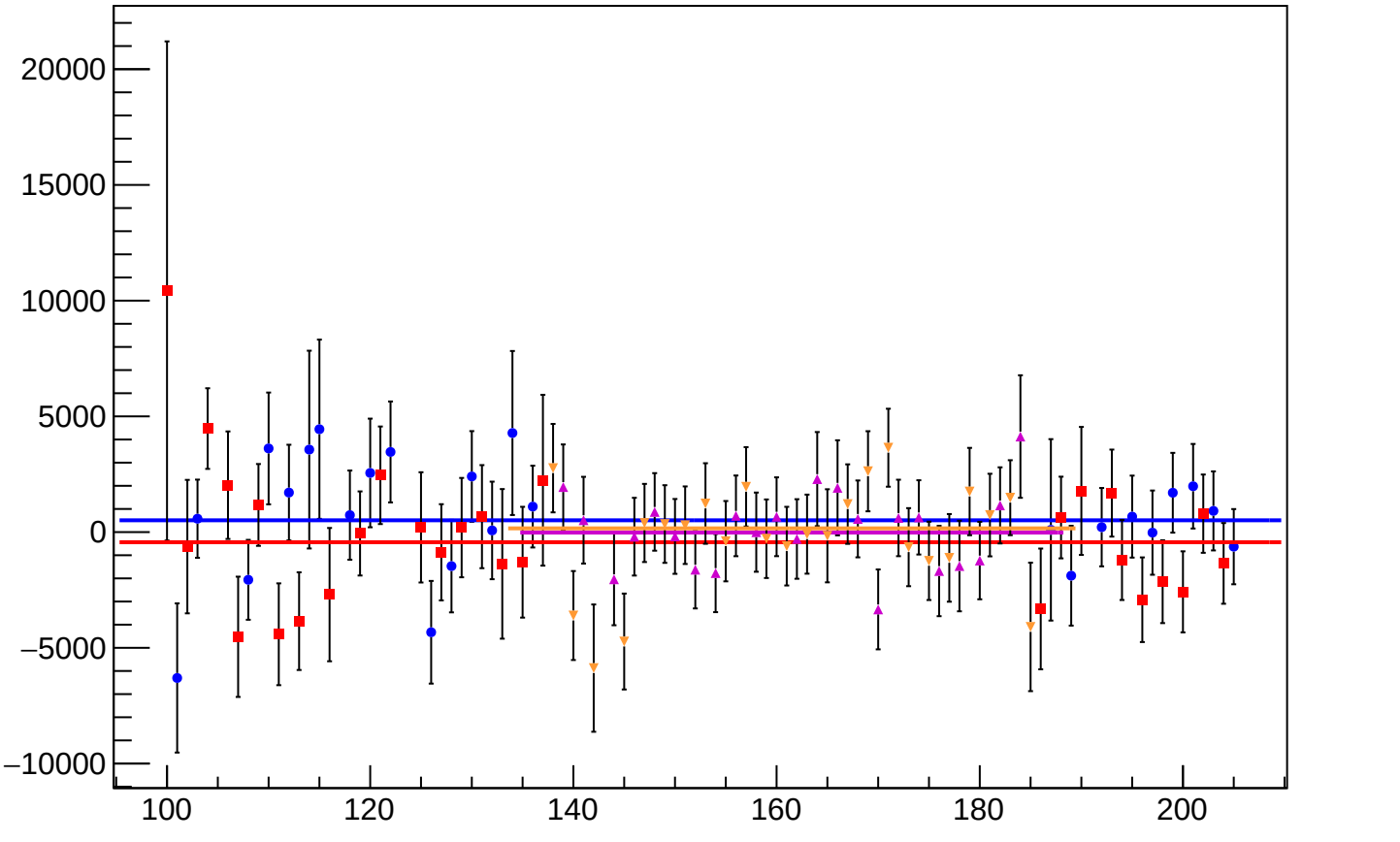
Left: 366.885+/-0.049 χ^2/NDF: 16405627.7/46

Right: 616.143+/-0.100 χ^2/NDF: 19296846.3/52

In: 429.707+/-0.065 χ^2/NDF:19711396.7/47

Out: 401.962+/-0.060 χ^2/NDF:20887032.8/51

All: 414.754+/-0.044 χ^2/NDF: 40697543.7/99



Right In: 509.954+/-411.055 χ^2/NDF: 23.8/24

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: -437.309+/-401.806 χ^2/NDF: 31.8/27

Left In: -20.250+/-369.781 χ^2/NDF:16.0/22

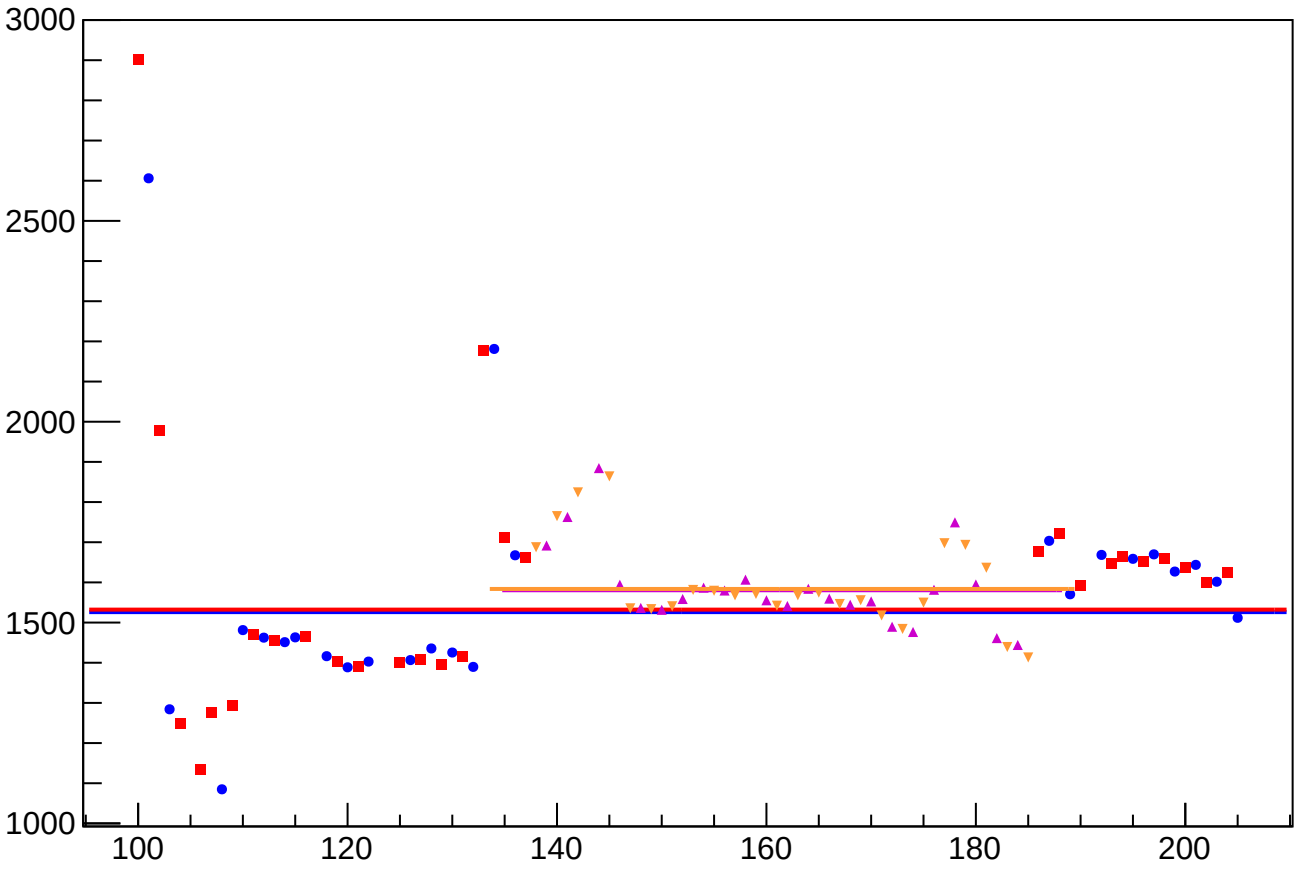
Left: 71.017+/-260.973 χ^2/NDF: 46.0/46

Right: 25.546+/-287.334 χ^2/NDF: 58.3/52

In: 216.904+/-274.912 χ^2/NDF:40.7/47

Out: -111.906+/-271.528 χ^2/NDF:62.9/51

All: 50.462+/-193.184 χ^2/NDF: 104.4/99



Right In: 1526.008+/-0.291 χ^2/NDF: 586571.2/24

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

Right Out: 1532.241+/-0.284 χ^2/NDF: 476766.1/27

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

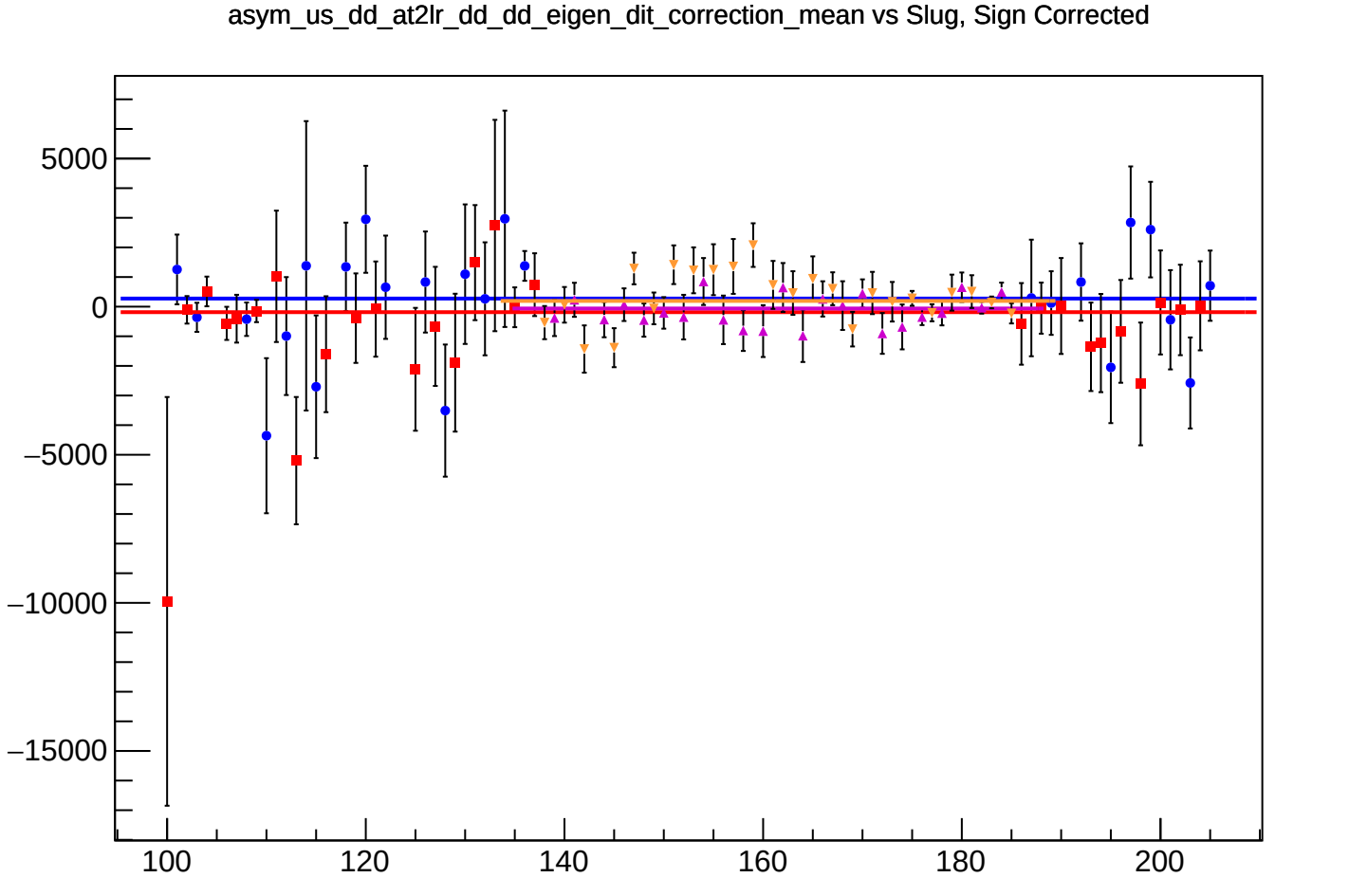
Left: 1582.075+/-0.185 χ^2/NDF: 259404.5/46

Right: 1529.196+/-0.203 χ^2/NDF: 1063572.5/52

In: 1556.107+/-0.194 χ^2/NDF:731717.5/47

Out: 1560.186+/-0.192 χ^2/NDF:628153.8/51

All: 1558.172+/-0.137 χ^2/NDF: 1360094.2/99



Right In: 273.616+/-230.139 χ^2/NDF: 29.6/24

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

Right Out: -186.156+/-179.975 χ^2/NDF: 17.2/27

Left In: -62.181+/-99.718 χ^2/NDF:17.0/22

Left: 70.558+/-69.120 χ^2/NDF: 60.5/46

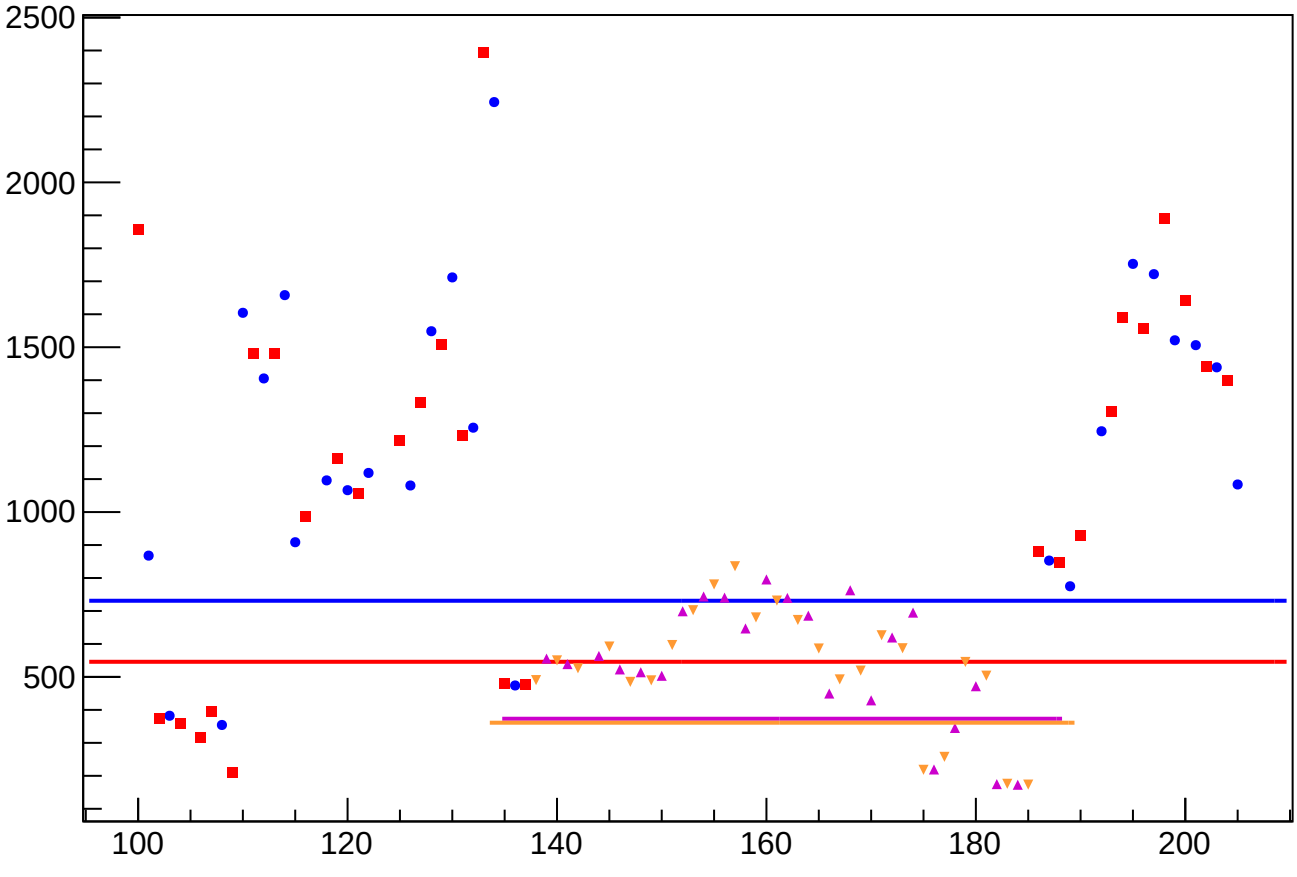
Right: -11.679+/-141.771 χ^2/NDF: 49.3/52

In: -9.102+/-91.498 χ^2/NDF:48.4/47

Out: 109.404+/-84.631 χ^2/NDF:60.7/51

All: 54.764+/-62.129 χ^2/NDF: 110.1/99

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 731.009+/-0.163 χ^2/NDF: 7432323.1/24

Left Out: 361.103+/-0.068 χ^2/NDF:8182968.2/23

Right Out: 545.900+/-0.127 χ^2/NDF: 11061447.7/27

Left In: 373.145+/-0.071 χ^2/NDF:8207110.6/22

Left: 366.889+/-0.049 χ^2/NDF: 16405230.8/46

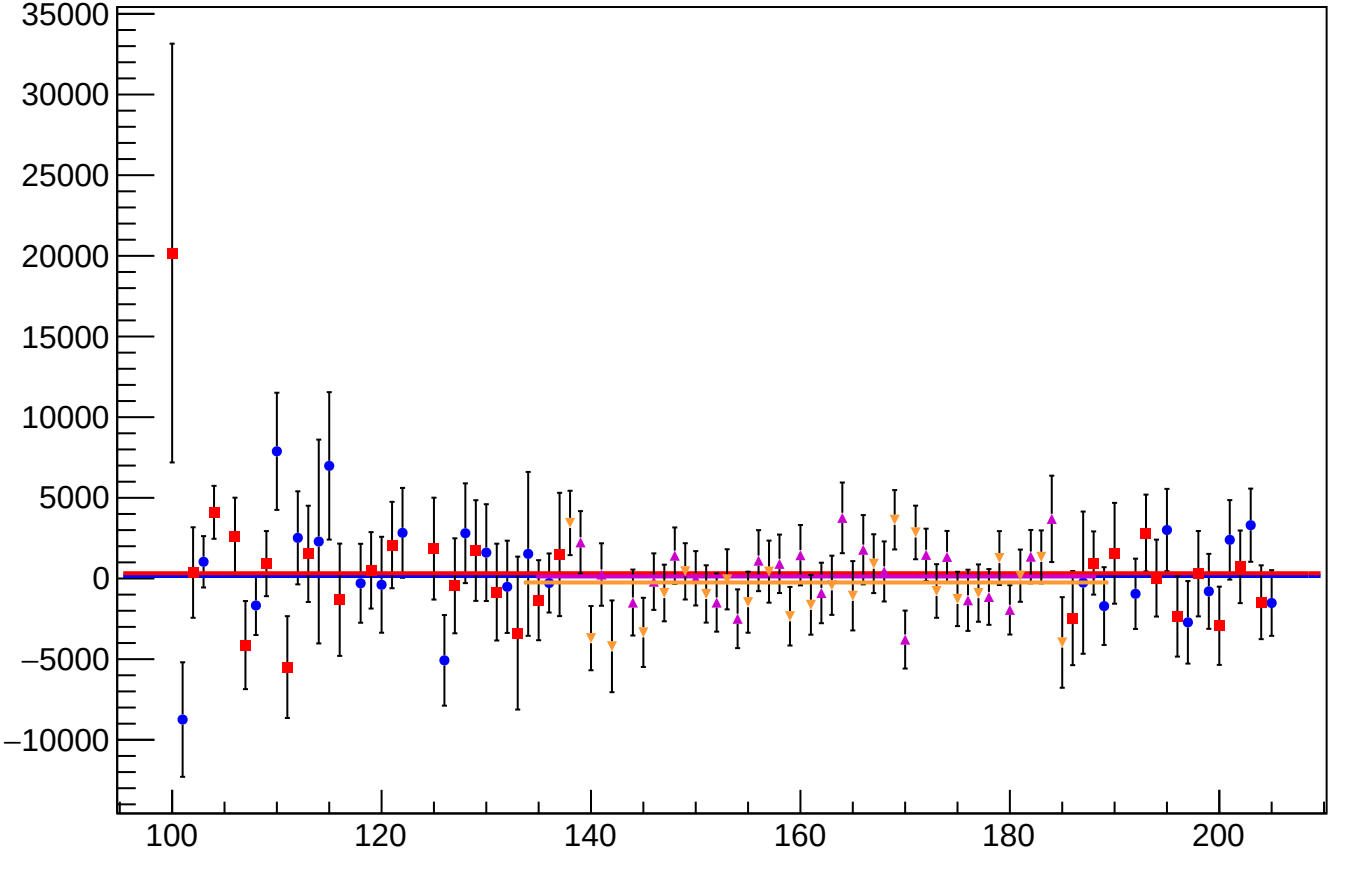
Right: 616.147+/-0.100 χ^2/NDF: 19296664.0/52

In: 429.712+/-0.065 χ^2/NDF:19711036.7/47

Out: 401.966+/-0.060 χ^2/NDF:20886765.5/51

All: 414.759+/-0.044 χ^2/NDF: 40696918.0/99

asym_us_dd_at2lr_dd_dd_mean vs Slug, Sign Corrected



Right In: 153.802+/-514.405 χ^2/NDF: 27.7/24

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: 326.166+/-495.549 χ^2/NDF: 23.2/27

Left In: 126.114+/-381.305 χ^2/NDF:21.2/22

Left: -62.012+/-268.528 χ^2/NDF: 47.7/46

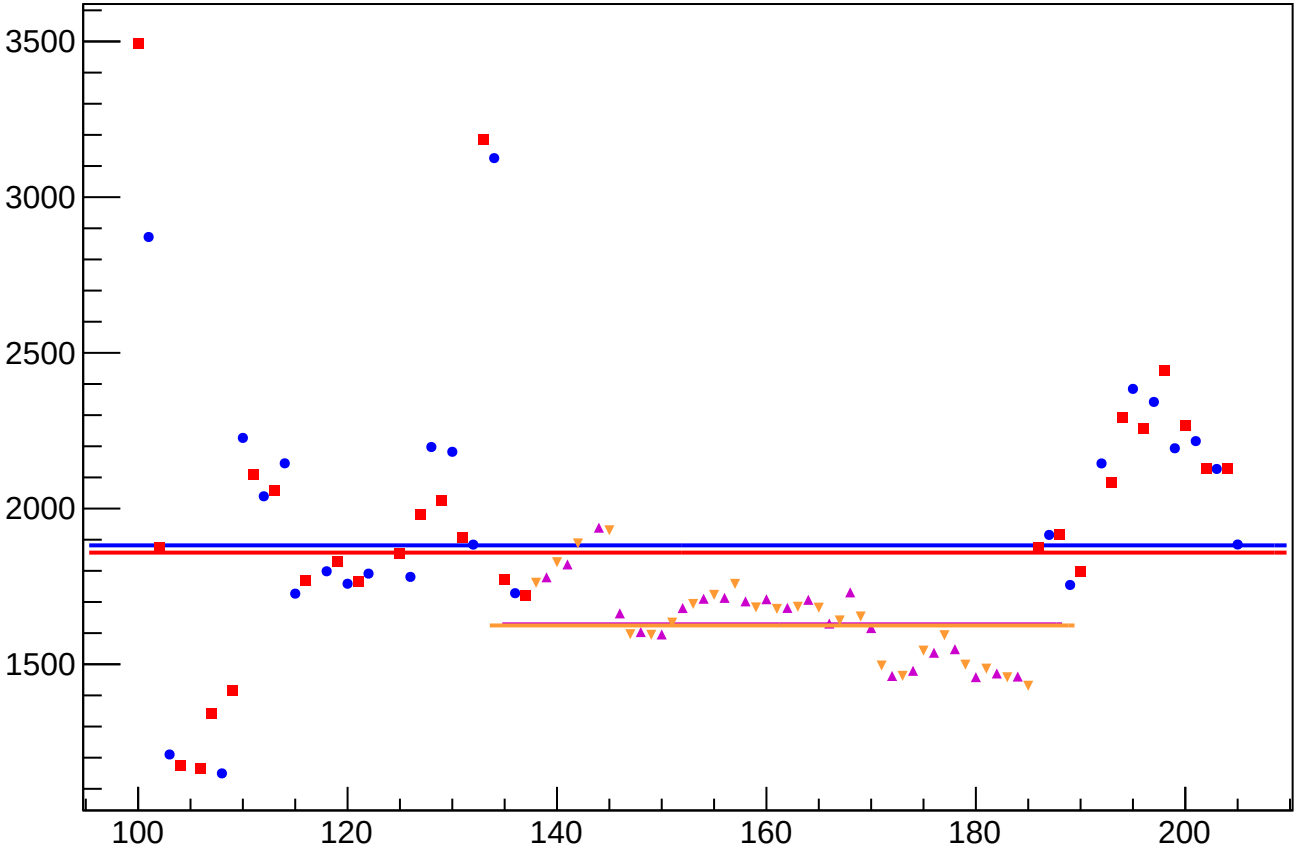
Right: 243.201+/-356.886 χ^2/NDF: 51.0/52

In: 135.932+/-306.325 χ^2/NDF:48.9/47

Out: -36.084+/-300.657 χ^2/NDF:50.1/51

All: 48.318+/-214.573 χ^2/NDF: 99.2/99

asym_us_dd_at2lr_dd_dd_rms vs Slug, Sign Corrected



Right In: 1881.818+/-0.364 χ^2/NDF: 1320930.7/24

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

Right Out: 1858.542+/-0.350 χ^2/NDF: 1261950.5/27

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

Left: 1626.403+/-0.190 χ^2/NDF: 412228.5/46

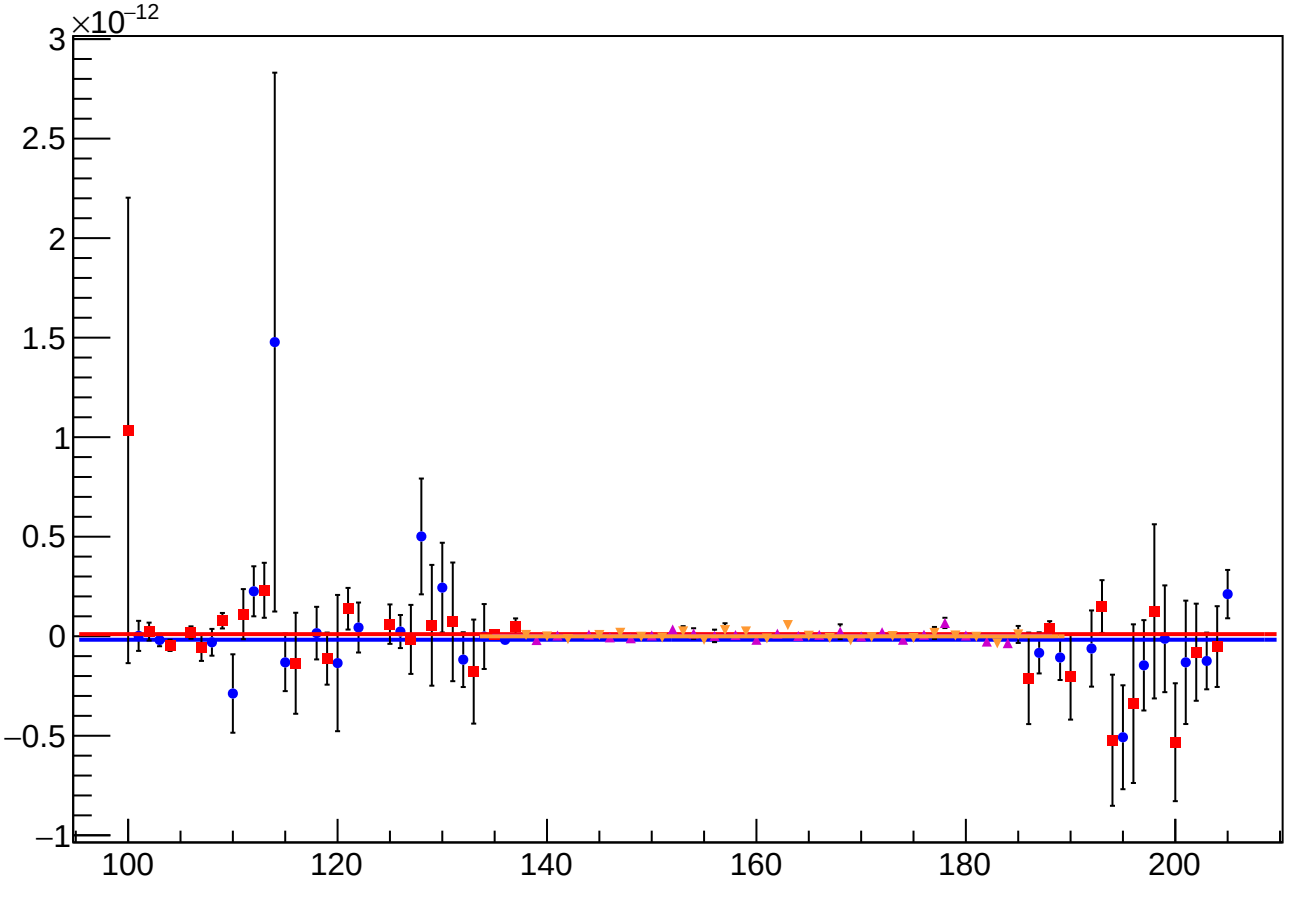
Right: 1869.746+/-0.252 χ^2/NDF: 2585004.9/52

In: 1718.150+/-0.217 χ^2/NDF:1839520.4/47

Out: 1710.725+/-0.213 χ^2/NDF:1750831.4/51

All: 1714.368+/-0.152 χ^2/NDF: 3590950.3/99

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/27

Left In: 0.000+/-0.000 χ^2/NDF:24.2/22

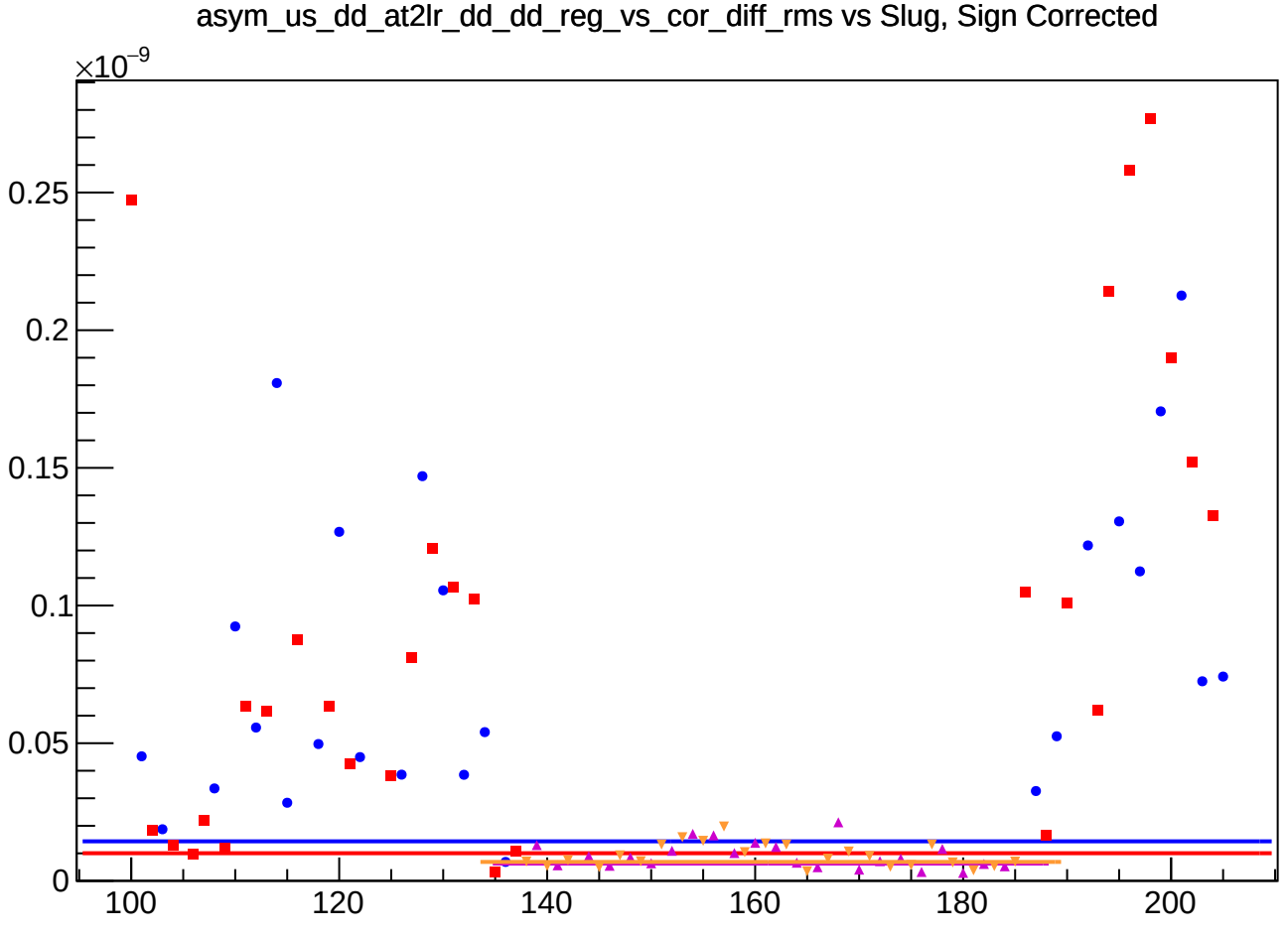
Left: 0.000+/-0.000 χ^2/NDF: 47.2/46

Right: -0.000+/-0.000 χ^2/NDF: 54.2/52

In: 0.000+/-0.000 χ^2/NDF:50.2/47

Out: 0.000+/-0.000 χ^2/NDF:51.2/51

All: 0.000+/-0.000 χ^2/NDF: 101.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 7536669.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9093766.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

Left: 0.000+/-0.000 χ^2/NDF: 5189150.7/46

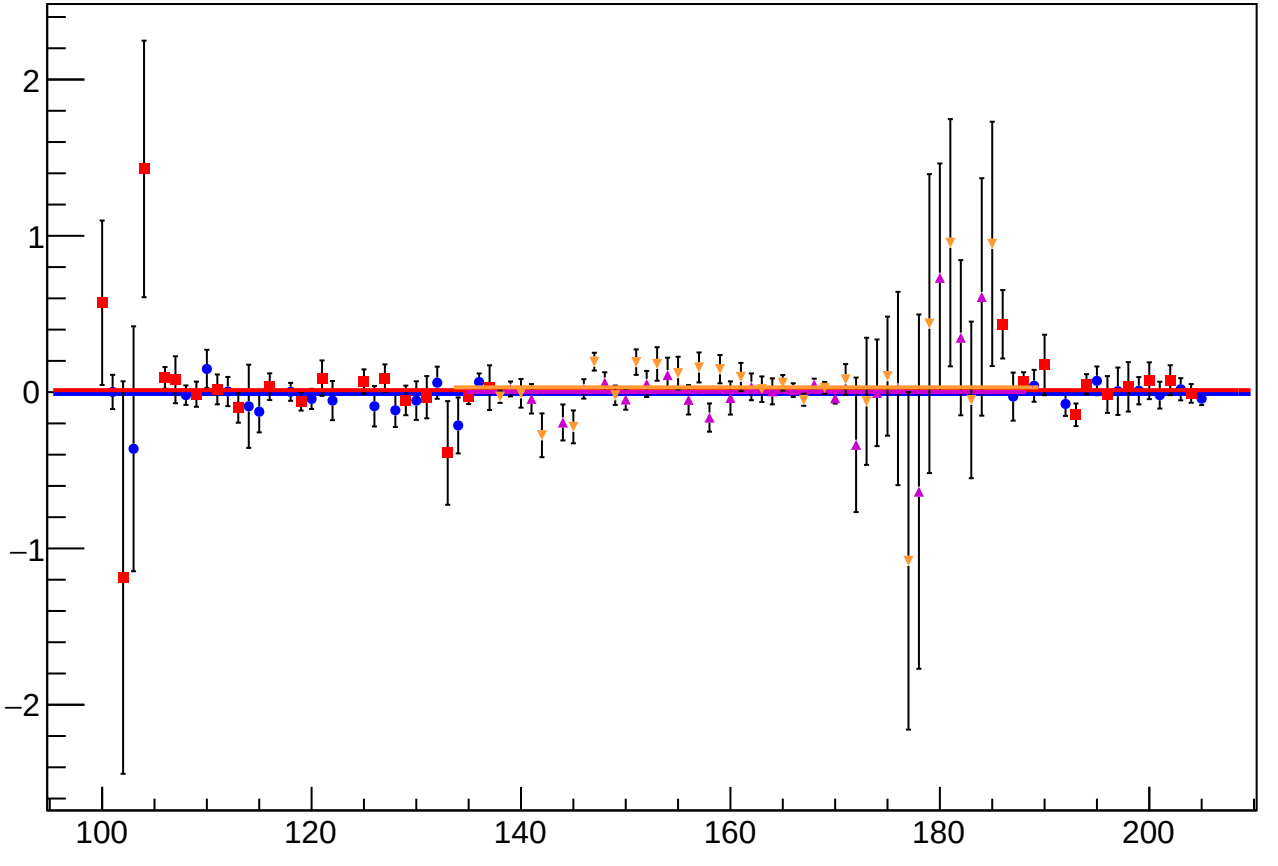
Right: 0.000+/-0.000 χ^2/NDF: 16847705.9/52

In: 0.000+/-0.000 χ^2/NDF:11623245.5/47

Out: 0.000+/-0.000 χ^2/NDF:11601401.8/51

All: 0.000+/-0.000 χ^2/NDF: 23243786.8/99

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

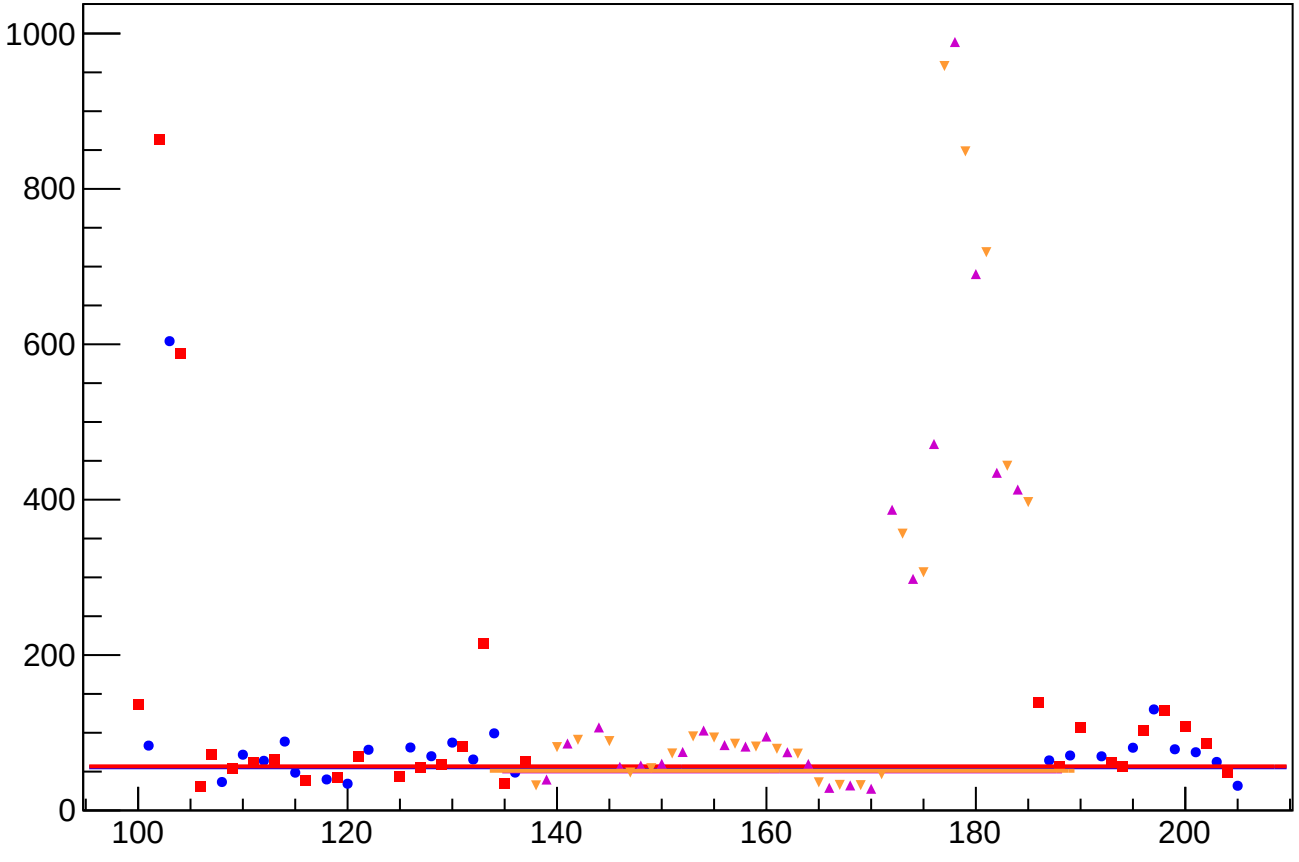
Right: 0.000+/-0.012 χ^2/NDF: 36.9/52

In: -0.005+/-0.011 χ^2/NDF:27.2/47

Out: 0.023+/-0.012 χ^2/NDF:67.1/51

All: 0.009+/-0.008 χ^2/NDF: 97.2/99

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.606+/-0.012 χ^2/NDF: 3916990.9/24

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 56.751+/-0.012 χ^2/NDF: 4985200.7/27

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

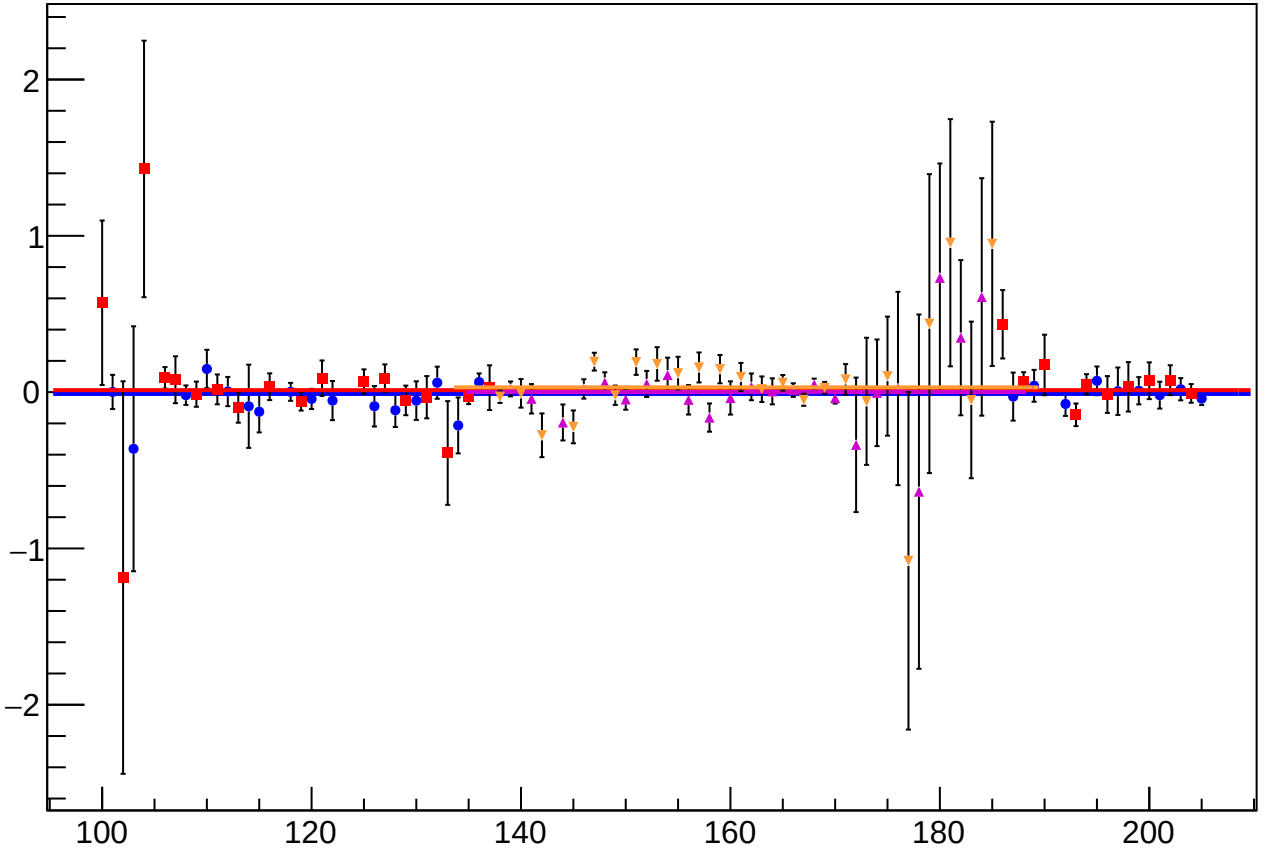
Right: 56.174+/-0.009 χ^2/NDF: 8906624.9/52

In: 52.620+/-0.008 χ^2/NDF:16221722.3/47

Out: 53.605+/-0.008 χ^2/NDF:16841417.9/51

All: 53.107+/-0.006 χ^2/NDF: 33070529.1/99

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

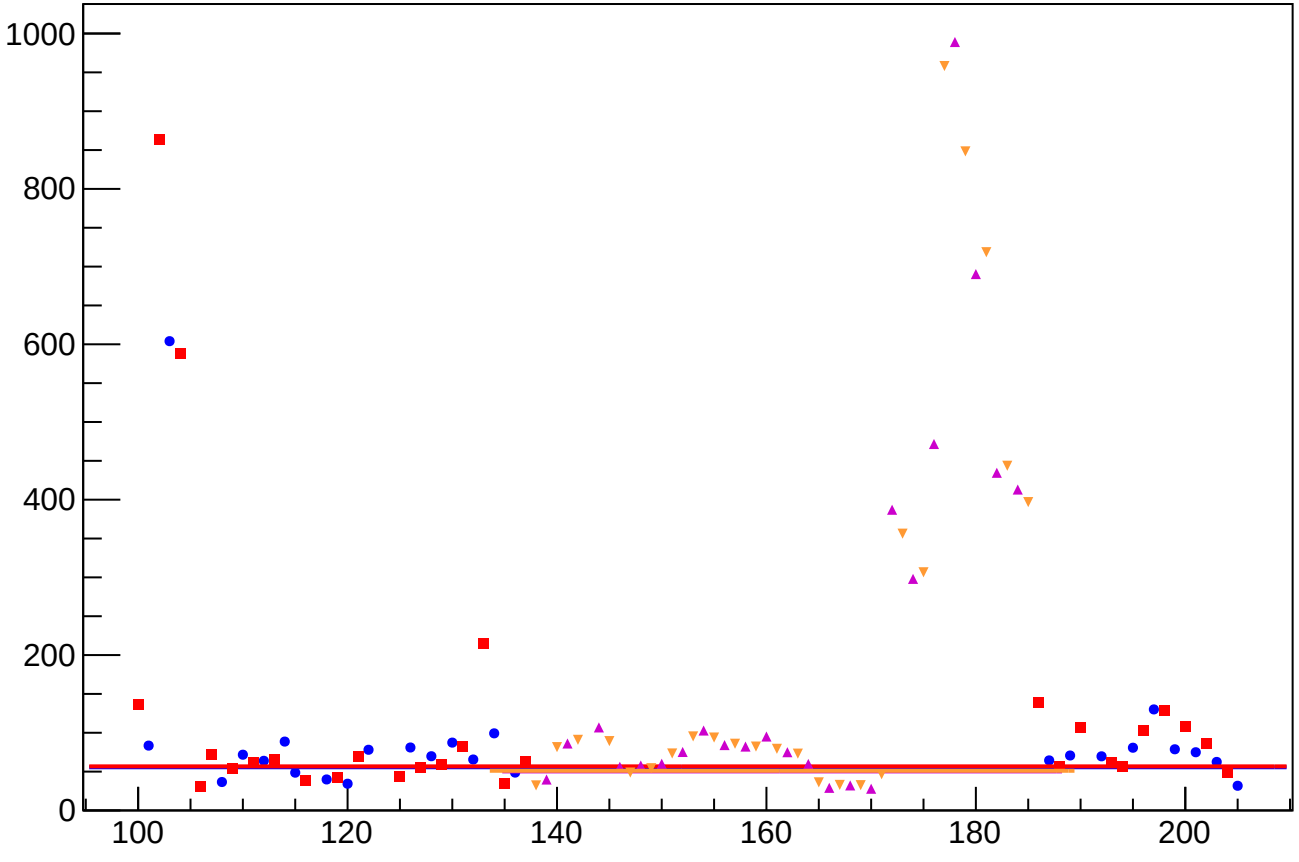
Right: 0.000+/-0.012 χ^2/NDF: 36.9/52

In: -0.005+/-0.011 χ^2/NDF:27.2/47

Out: 0.023+/-0.012 χ^2/NDF:67.1/51

All: 0.009+/-0.008 χ^2/NDF: 97.2/99

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.606+/-0.012 χ^2/NDF: 3916990.9/24

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 56.751+/-0.012 χ^2/NDF: 4985200.7/27

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

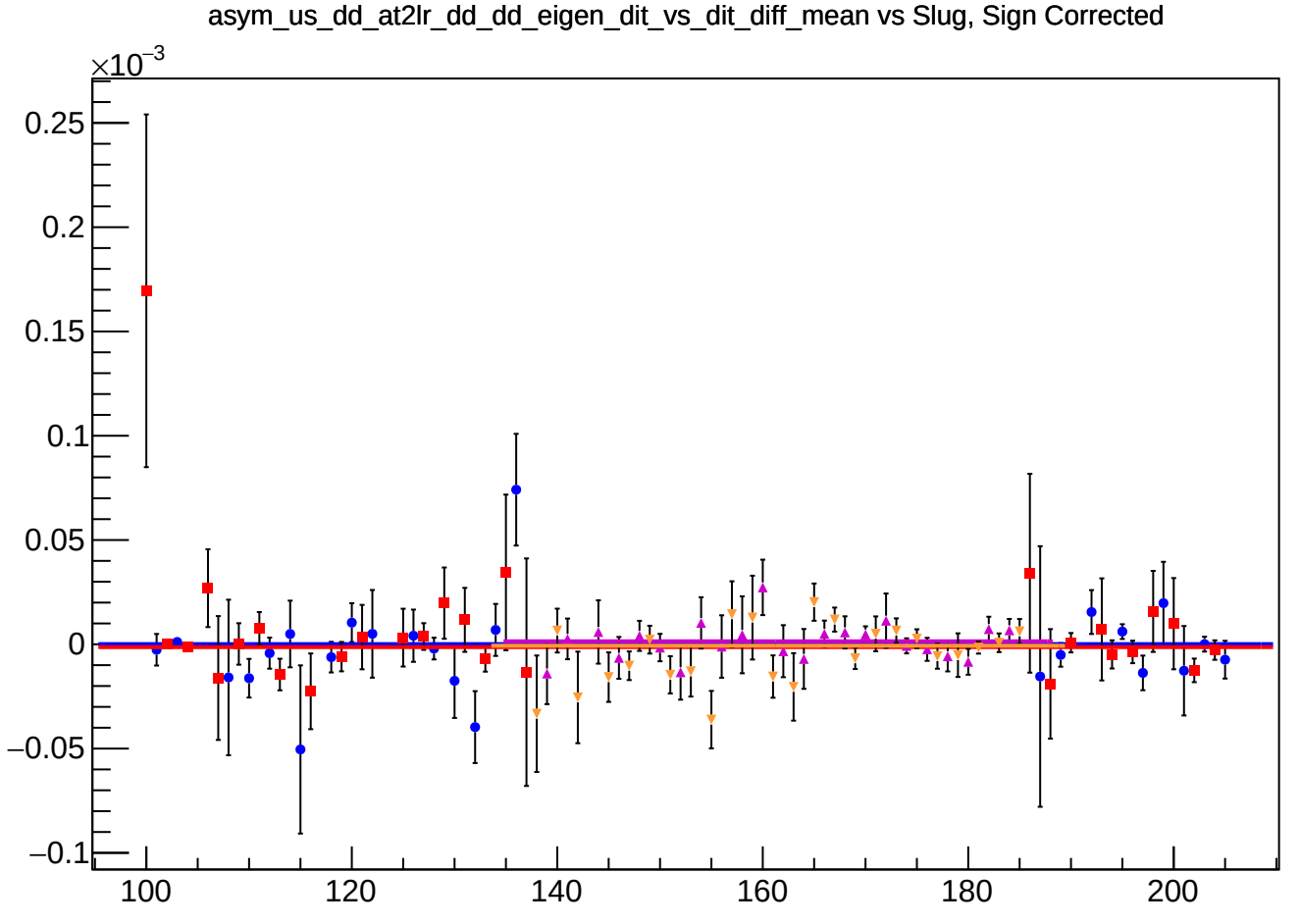
Left: 50.660+/-0.008 χ^2/NDF: 23935280.6/46

Right: 56.174+/-0.009 χ^2/NDF: 8906624.9/52

In: 52.620+/-0.008 χ^2/NDF:16221722.3/47

Out: 53.605+/-0.008 χ^2/NDF:16841417.9/51

All: 53.107+/-0.006 χ^2/NDF: 33070529.1/99



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.9/27

Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

Left: 0.000+/-0.000 χ^2/NDF: 56.0/46

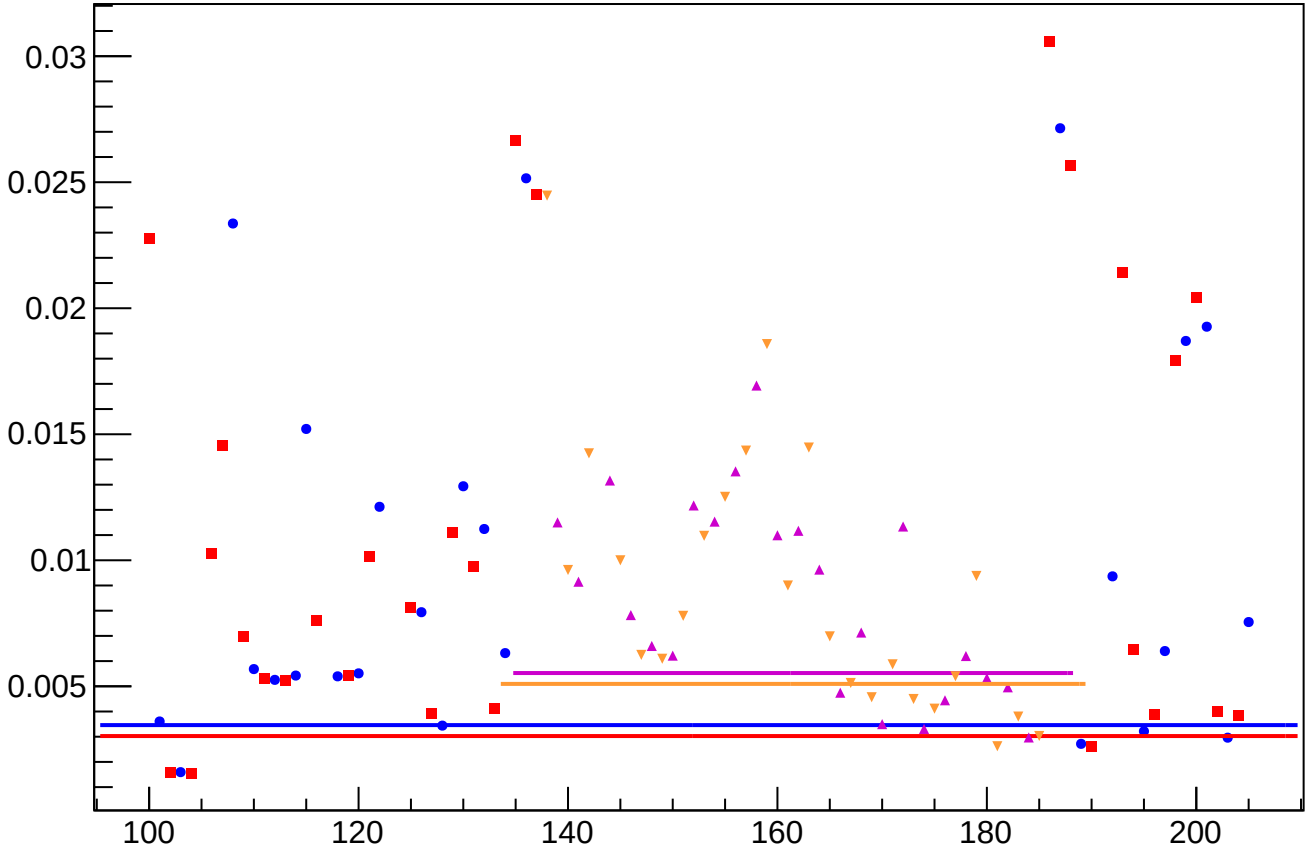
Right: -0.000+/-0.000 χ^2/NDF: 58.5/52

In: 0.000+/-0.000 χ^2/NDF:49.8/47

Out: -0.000+/-0.000 χ^2/NDF:63.5/51

All: -0.000+/-0.000 χ^2/NDF: 115.1/99

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9814614.2/24

Left Out: 0.005+/-0.000 χ^2/NDF:8380878.9/23

Right Out: 0.003+/-0.000 χ^2/NDF: 12963728.6/27

Left In: 0.006+/-0.000 χ^2/NDF:6892708.8/22

Left: 0.005+/-0.000 χ^2/NDF: 15361726.2/46

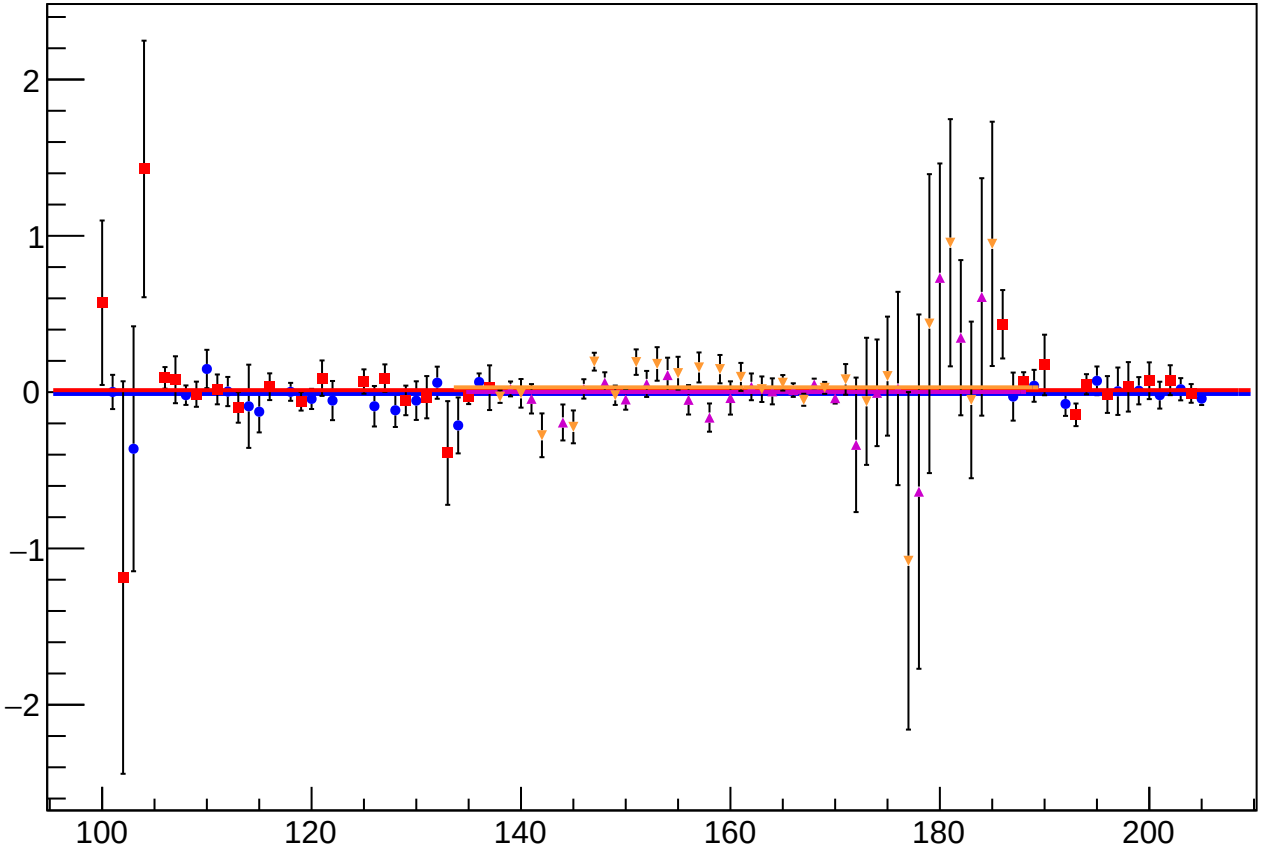
Right: 0.003+/-0.000 χ^2/NDF: 22909890.6/52

In: 0.004+/-0.000 χ^2/NDF:18887799.7/47

Out: 0.004+/-0.000 χ^2/NDF:24043497.7/51

All: 0.004+/-0.000 χ^2/NDF: 43214725.8/99

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

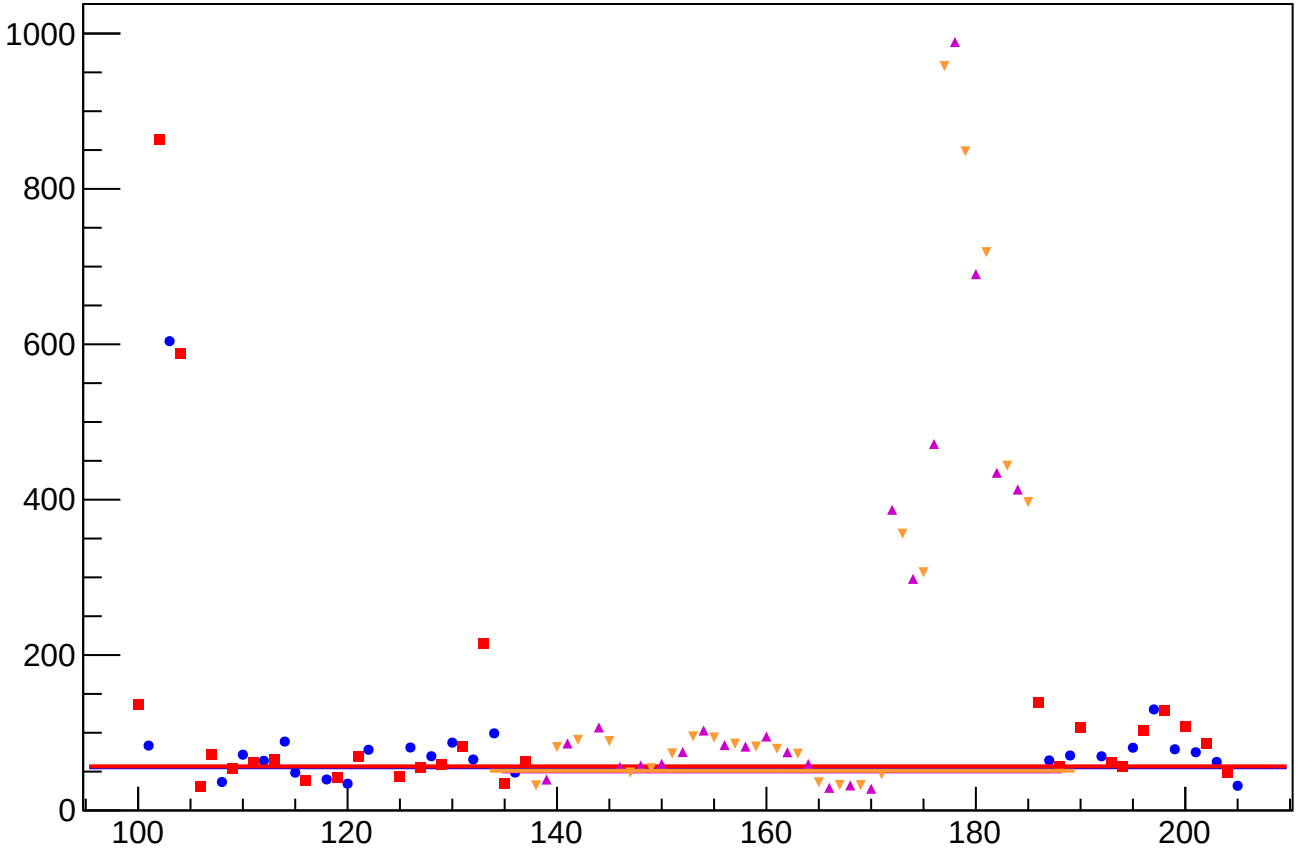
Right: 0.000+/-0.012 χ^2/NDF: 36.9/52

In: -0.005+/-0.011 χ^2/NDF:27.2/47

Out: 0.023+/-0.012 χ^2/NDF:67.1/51

All: 0.009+/-0.008 χ^2/NDF: 97.2/99

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.608+/-0.012 χ^2/NDF: 3916424.8/24

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 56.752+/-0.012 χ^2/NDF: 4984953.2/27

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

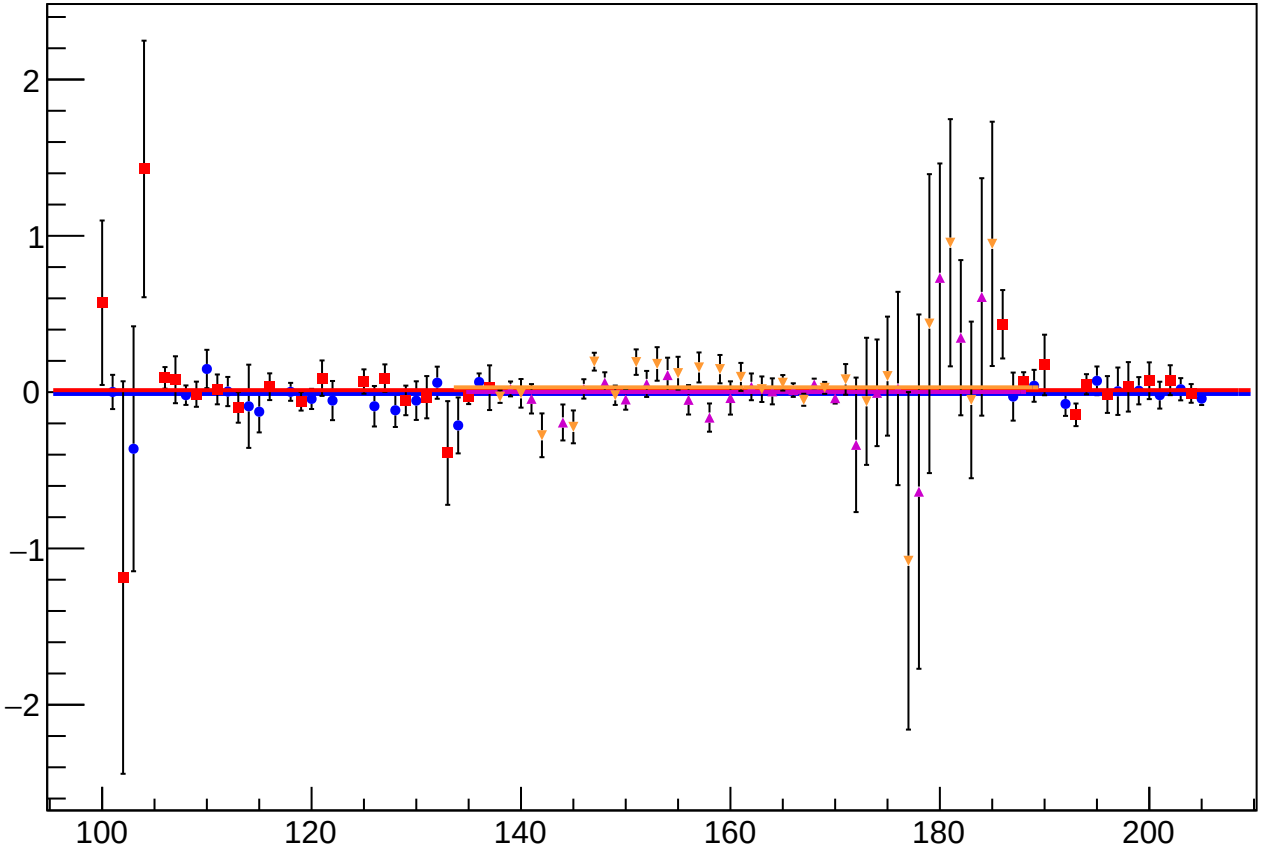
Right: 56.176+/-0.009 χ^2/NDF: 8905802.8/52

In: 52.621+/-0.008 χ^2/NDF:16221186.5/47

Out: 53.607+/-0.008 χ^2/NDF:16840284.1/51

All: 53.109+/-0.006 χ^2/NDF: 33068873.9/99

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

Right Out: 0.013+/-0.017 χ^2/NDF: 25.0/27

Left In: 0.001+/-0.015 χ^2/NDF:16.0/22

Left: 0.015+/-0.011 χ^2/NDF: 59.5/46

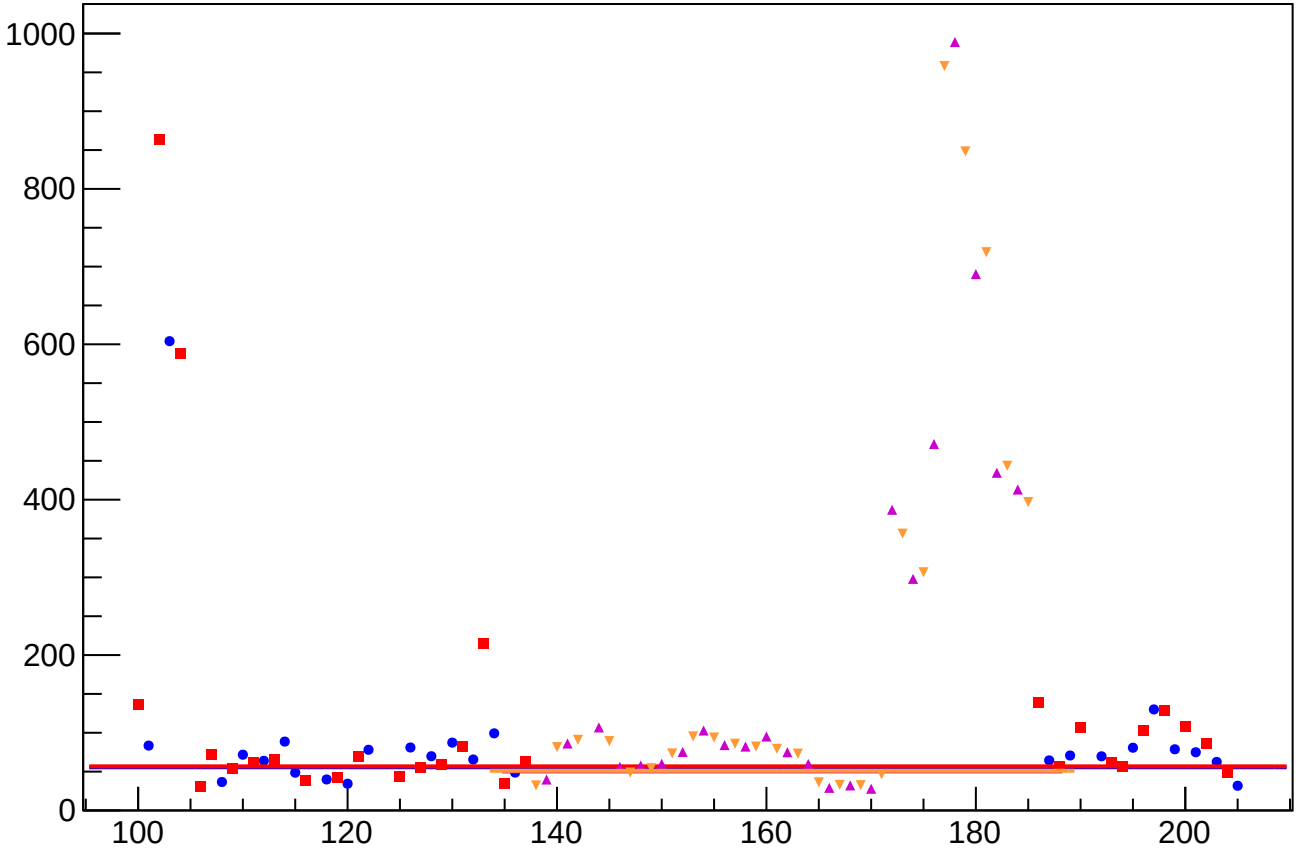
Right: 0.000+/-0.012 χ^2/NDF: 36.9/52

In: -0.005+/-0.011 χ^2/NDF:27.2/47

Out: 0.023+/-0.012 χ^2/NDF:67.1/51

All: 0.009+/-0.008 χ^2/NDF: 97.2/99

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.608+/-0.012 χ^2/NDF: 3916424.8/24

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 56.752+/-0.012 χ^2/NDF: 4984953.2/27

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

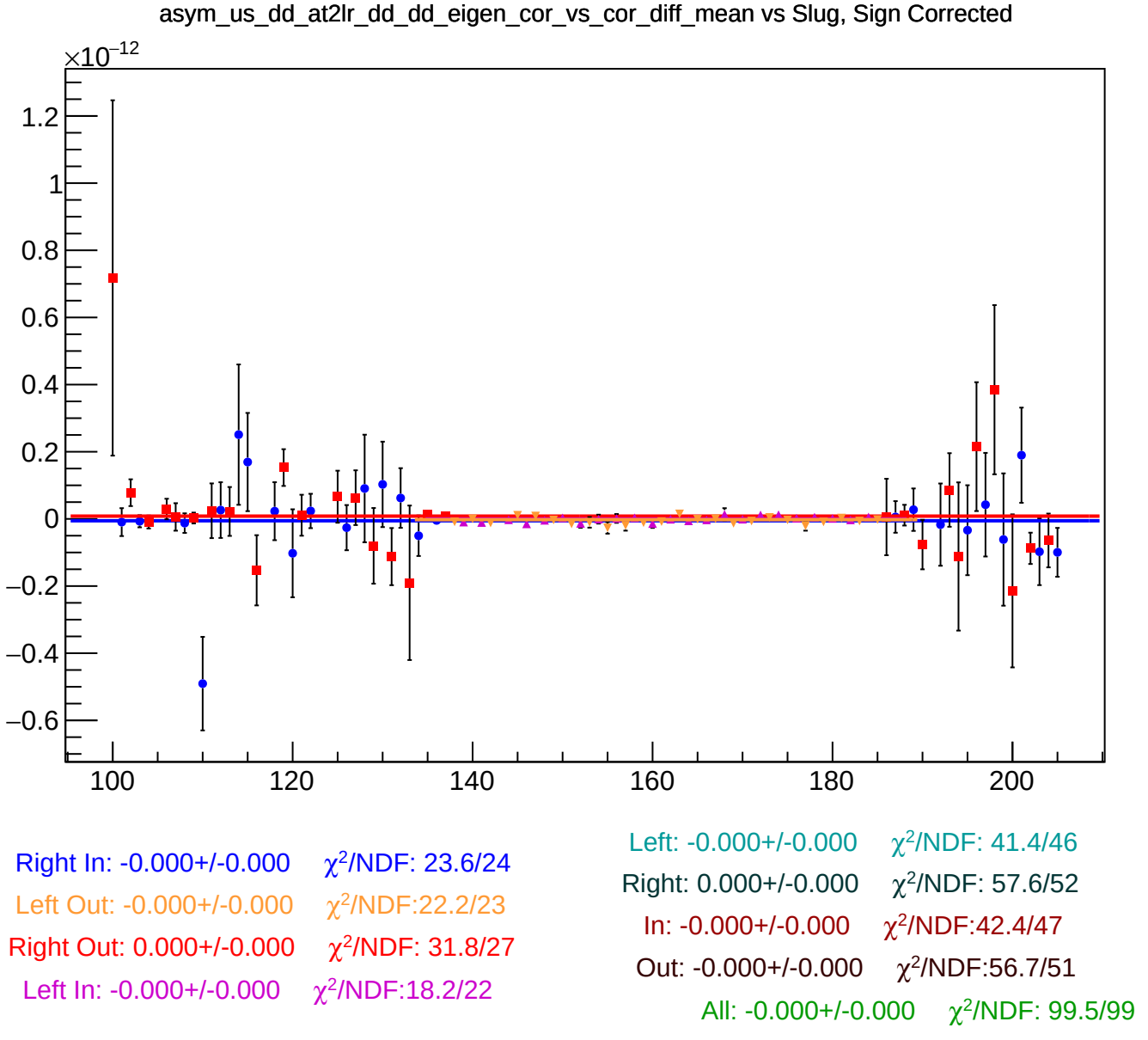
Left: 50.661+/-0.008 χ^2/NDF: 23934407.8/46

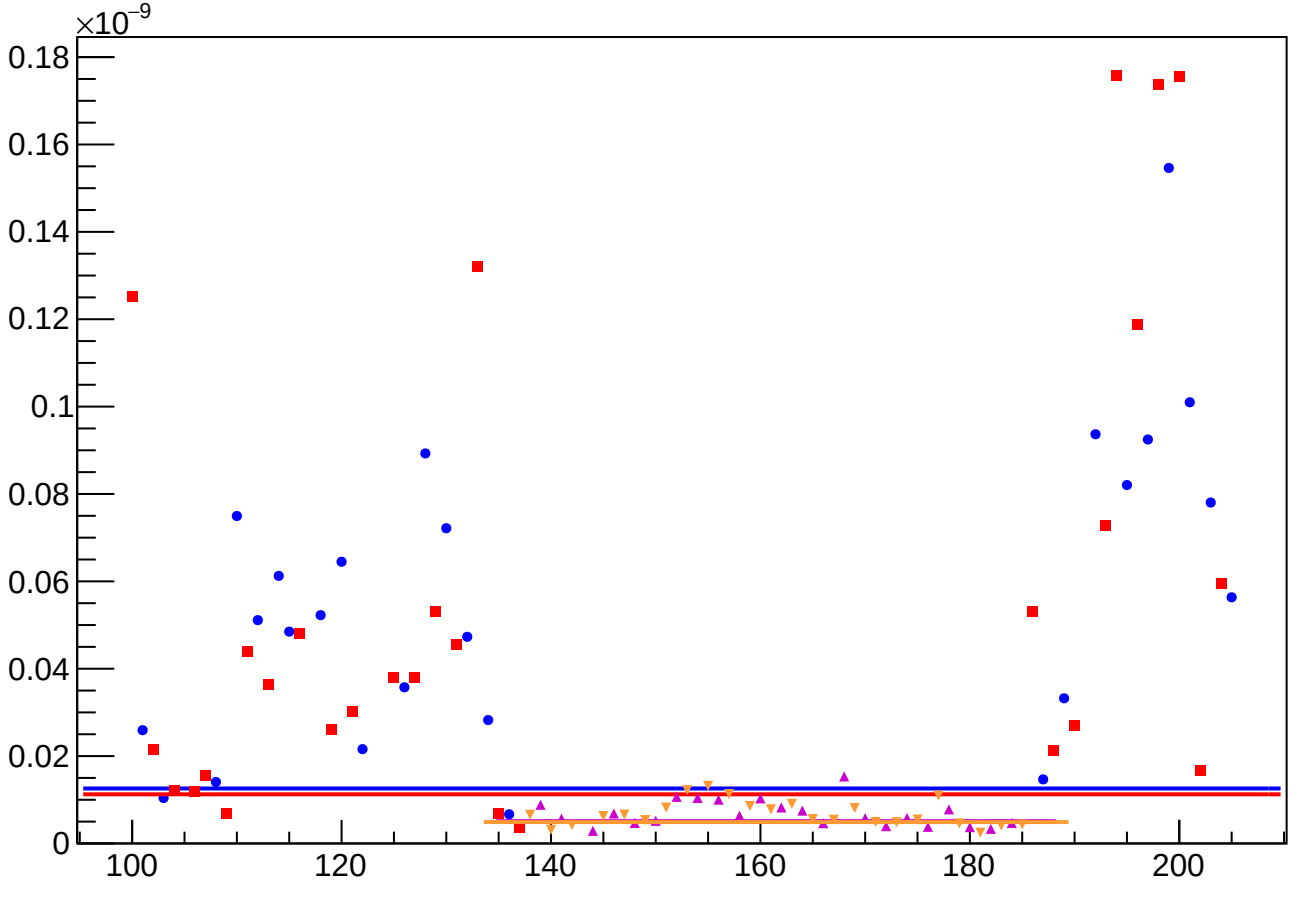
Right: 56.176+/-0.009 χ^2/NDF: 8905802.8/52

In: 52.621+/-0.008 χ^2/NDF:16221186.5/47

Out: 53.607+/-0.008 χ^2/NDF:16840284.1/51

All: 53.109+/-0.006 χ^2/NDF: 33068873.9/99


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: 23.6/24
Left Out: -0.000+/-0.000 χ²/NDF:22.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 31.8/27
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: 57.6/52
In: -0.000+/-0.000 χ²/NDF:42.4/47
Out: -0.000+/-0.000 χ²/NDF:56.7/51
All: -0.000+/-0.000 χ²/NDF: 99.5/99



Right In: 0.000+/-0.000 χ^2/NDF: 10298251.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9754300.4/27

Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

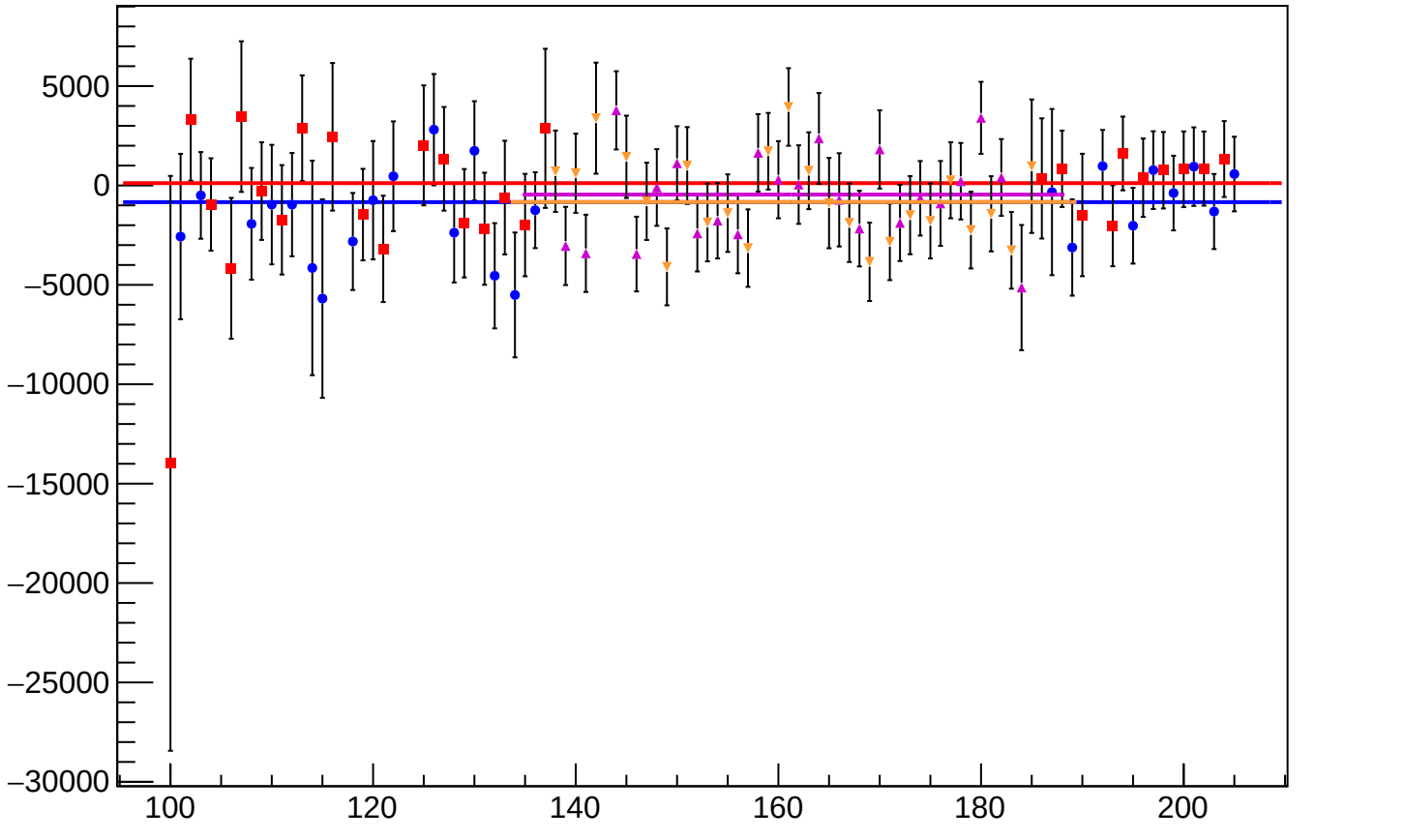
Left: 0.000+/-0.000 χ^2/NDF: 8107483.0/46

Right: 0.000+/-0.000 χ^2/NDF: 20095483.1/52

In: 0.000+/-0.000 χ^2/NDF:16471362.7/47

Out: 0.000+/-0.000 χ^2/NDF:16052506.2/51

All: 0.000+/-0.000 χ^2/NDF: 32550379.1/99



Right In: -838.384+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 116.569+/-470.345 χ^2/NDF: 14.5/27

Left In: -459.594+/-413.637 χ^2/NDF:27.3/22

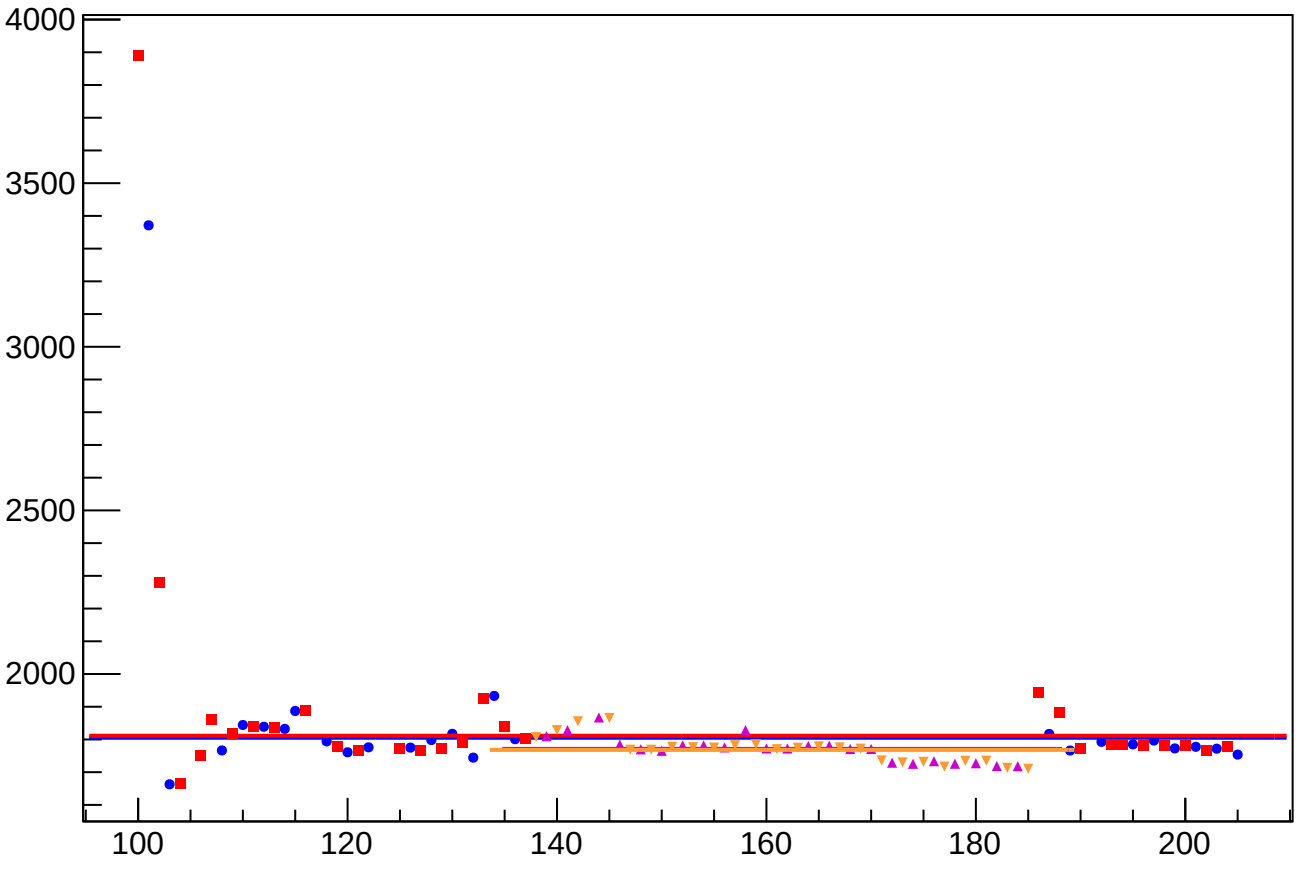
Left: -647.532+/-291.352 χ^2/NDF: 53.1/46

Right: -347.696+/-337.154 χ^2/NDF: 30.9/52

In: -619.652+/-314.323 χ^2/NDF:42.0/47

Out: -422.256+/-309.253 χ^2/NDF:42.2/51

All: -519.349+/-220.446 χ^2/NDF: 84.4/99



Right In: 1805.336+/-0.342 χ^2/NDF: 302693.6/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1811.376+/-0.333 χ^2/NDF: 114930.7/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

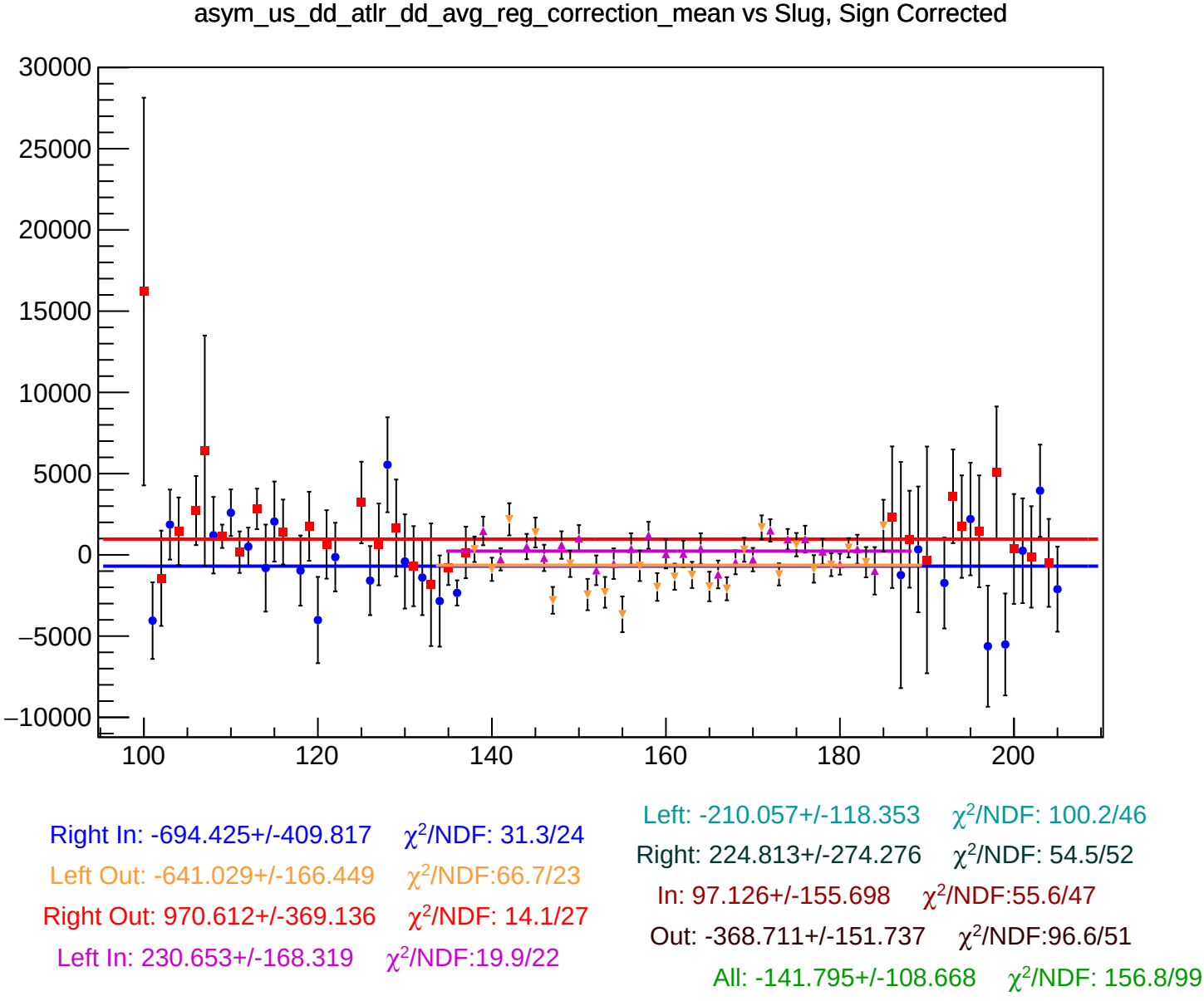
Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

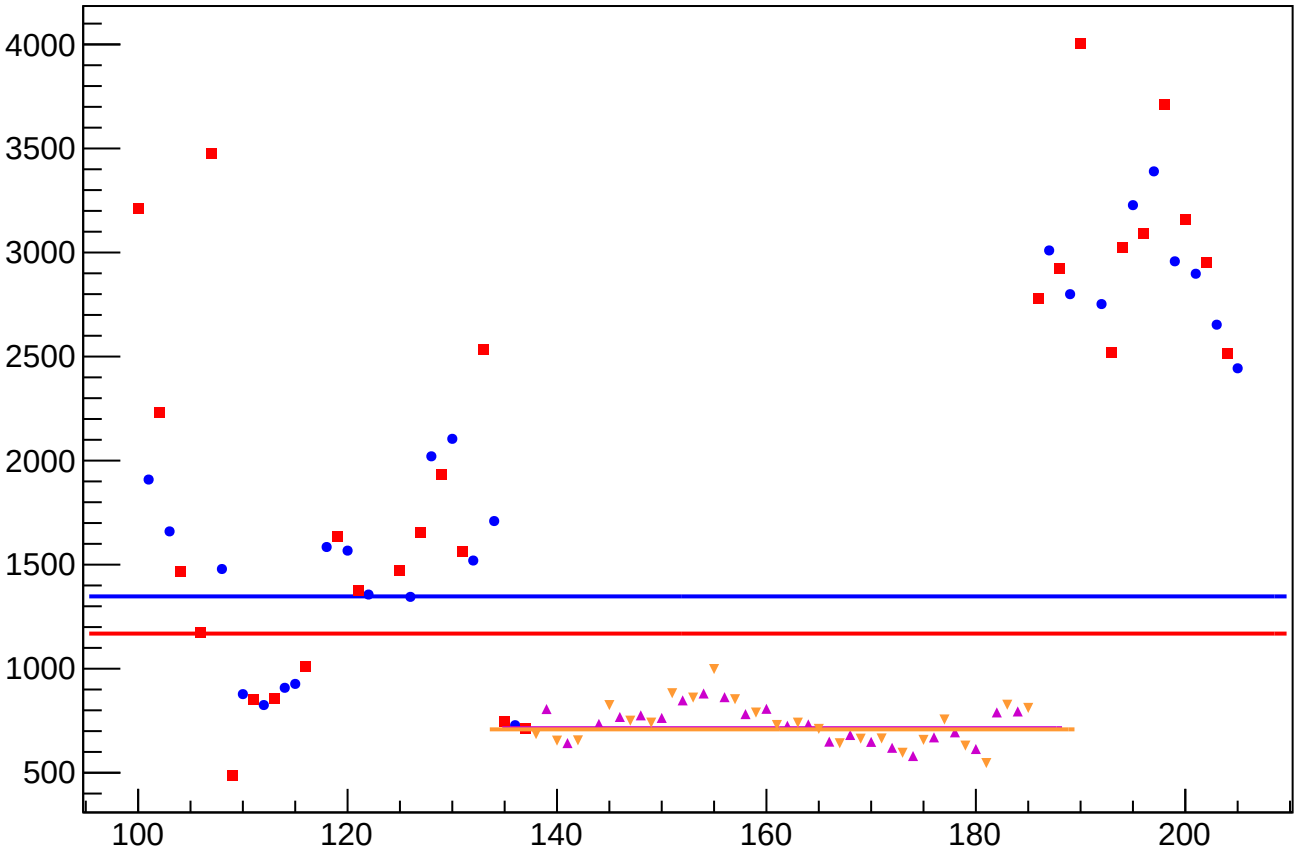
Right: 1808.439+/-0.238 χ^2/NDF: 417784.6/52

In: 1785.634+/-0.222 χ^2/NDF:324869.0/47

Out: 1786.823+/-0.219 χ^2/NDF:140889.2/51

All: 1786.238+/-0.156 χ^2/NDF: 465772.7/99


asym_us_dd_atlr_dd_avg_reg_correction_mean vs Slug, Sign Corrected
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -694.425+/-409.817 χ²/NDF: 31.3/24
Left Out: -641.029+/-166.449 χ²/NDF:66.7/23
Right Out: 970.612+/-369.136 χ²/NDF: 14.1/27
Left In: 230.653+/-168.319 χ²/NDF:19.9/22
Left: -210.057+/-118.353 χ²/NDF: 100.2/46
Right: 224.813+/-274.276 χ²/NDF: 54.5/52
In: 97.126+/-155.698 χ²/NDF:55.6/47
Out: -368.711+/-151.737 χ²/NDF:96.6/51
All: -141.795+/-108.668 χ²/NDF: 156.8/99



Right In: 1347.466+/-0.290 χ^2/NDF: 6342798.7/24

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1168.716+/-0.261 χ^2/NDF: 9467265.8/27

Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

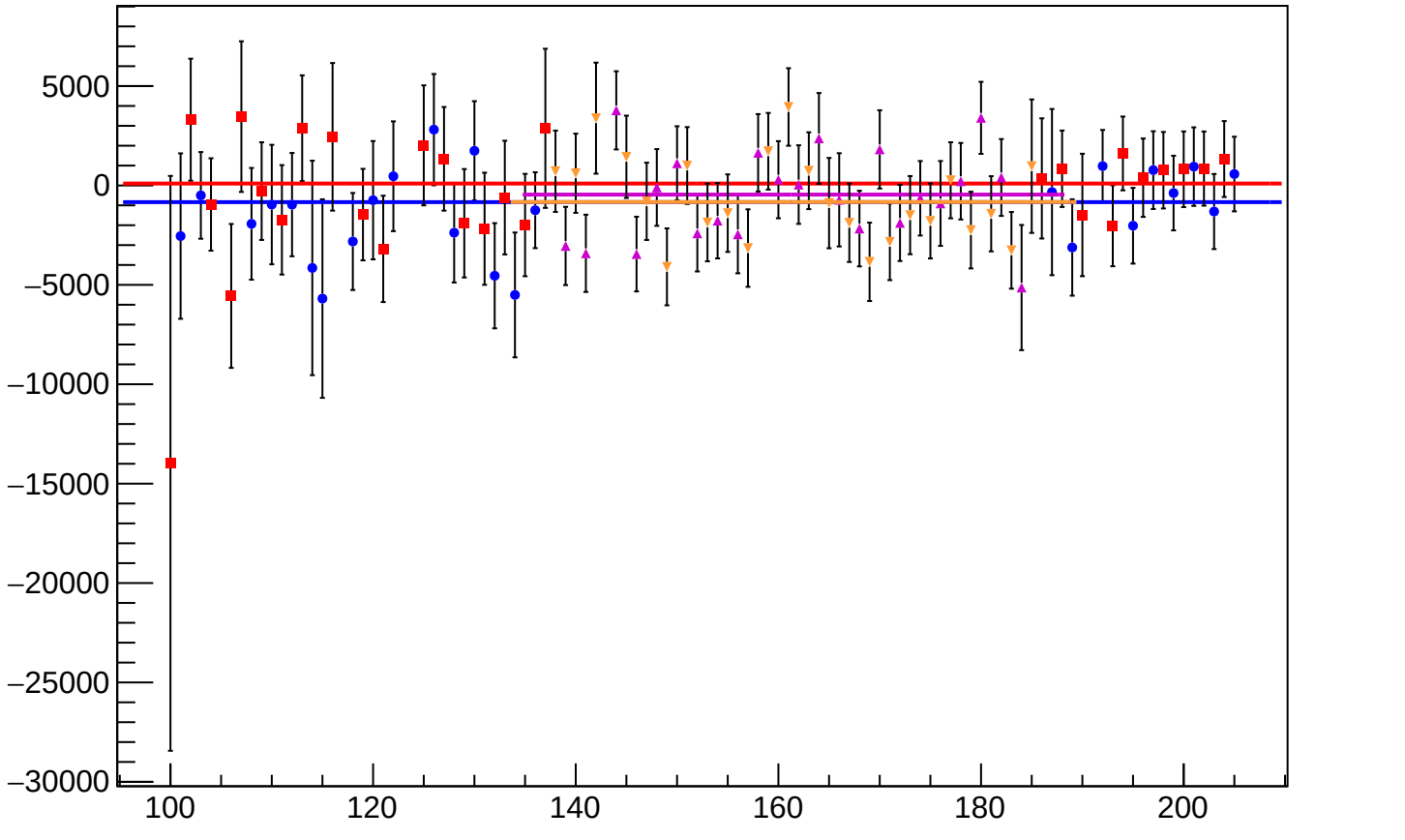
Left: 711.301+/-0.084 χ^2/NDF: 1198862.9/46

Right: 1248.781+/-0.194 χ^2/NDF: 16020125.2/52

In: 805.573+/-0.110 χ^2/NDF:10926771.1/47

Out: 786.264+/-0.107 χ^2/NDF:12751147.0/51

All: 795.670+/-0.077 χ^2/NDF: 23693694.2/99



Right In: -838.100+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 96.238+/-470.514 χ^2/NDF: 15.5/27

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

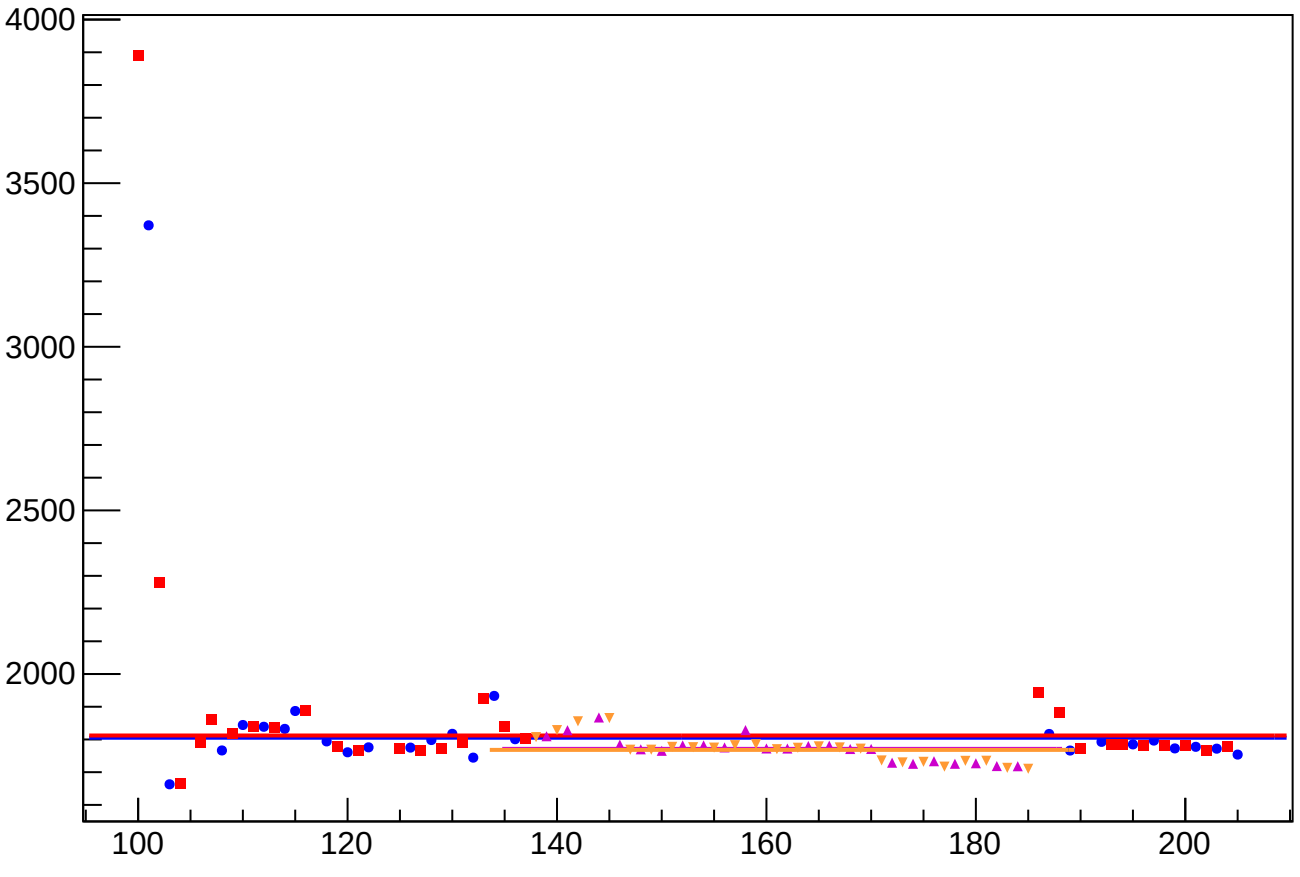
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -358.172+/-337.216 χ^2/NDF: 31.8/52

In: -619.509+/-314.323 χ^2/NDF:42.0/47

Out: -431.148+/-309.301 χ^2/NDF:43.1/51

All: -523.812+/-220.463 χ^2/NDF: 85.3/99



Right In: 1805.336+/-0.342 χ^2/NDF: 302695.4/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1812.110+/-0.333 χ^2/NDF: 114398.4/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

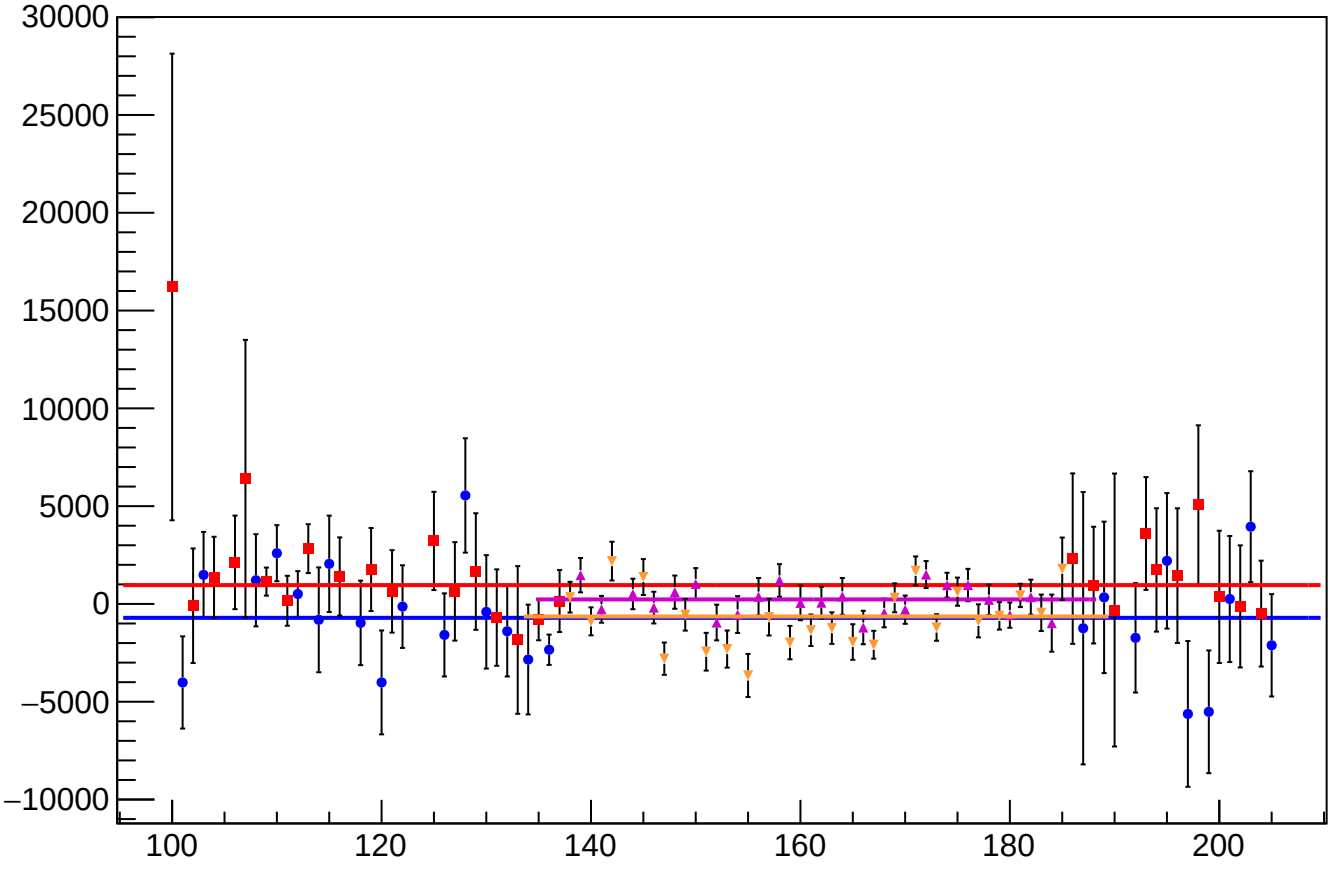
Right: 1808.815+/-0.238 χ^2/NDF: 417295.5/52

In: 1785.634+/-0.222 χ^2/NDF:324870.8/47

Out: 1787.133+/-0.219 χ^2/NDF:140681.8/51

All: 1786.396+/-0.156 χ^2/NDF: 465575.7/99

asym_us_dd_atlr_dd_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -710.480+/-410.112 χ^2/NDF: 30.8/24

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 963.188+/-370.286 χ^2/NDF: 13.1/27

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

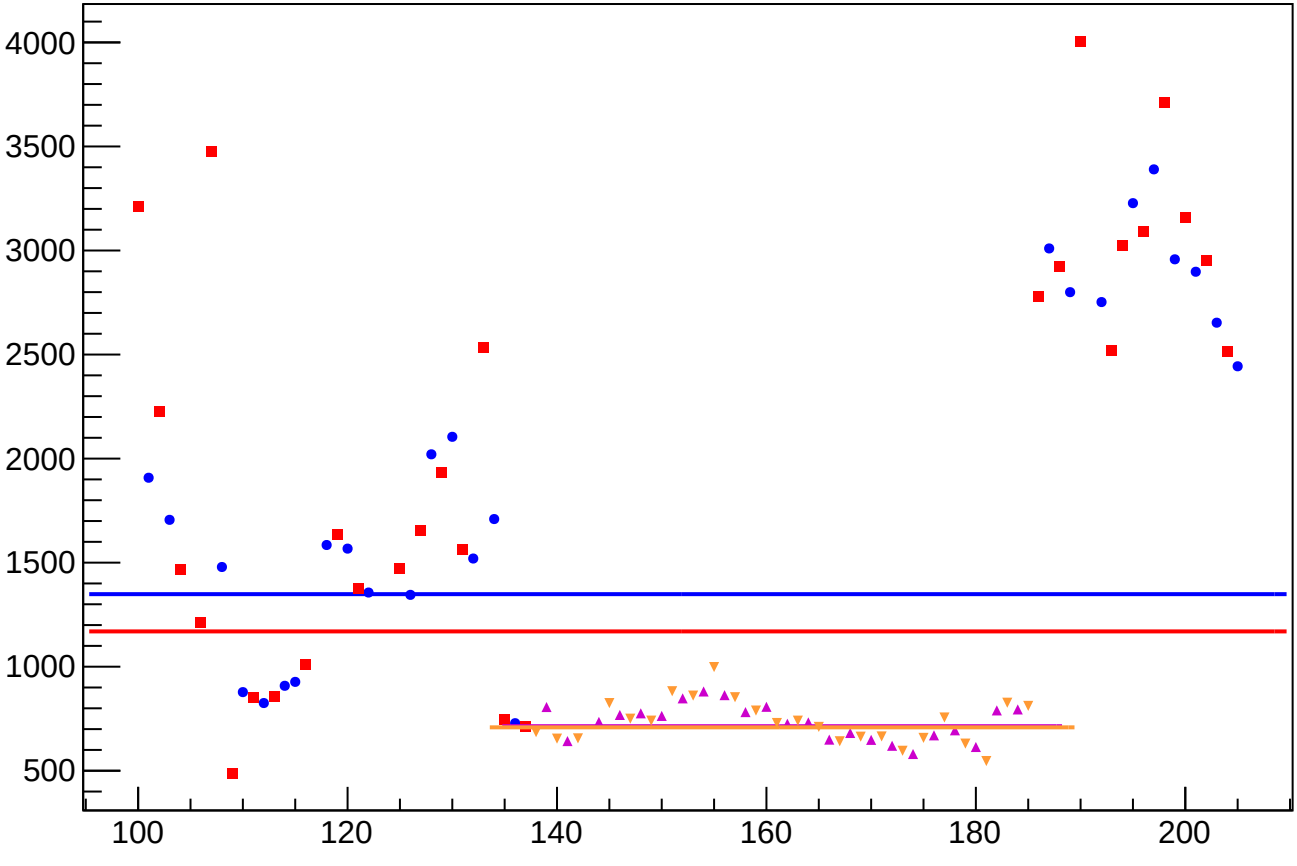
Right: 211.544+/-274.836 χ^2/NDF: 53.1/52

In: 94.905+/-155.716 χ^2/NDF:55.3/47

Out: -371.340+/-151.817 χ^2/NDF:95.3/51

All: -144.127+/-108.703 χ^2/NDF: 155.2/99

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1348.607+/-0.290 χ^2/NDF: 6353488.9/24

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1169.570+/-0.262 χ^2/NDF: 9466796.6/27

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

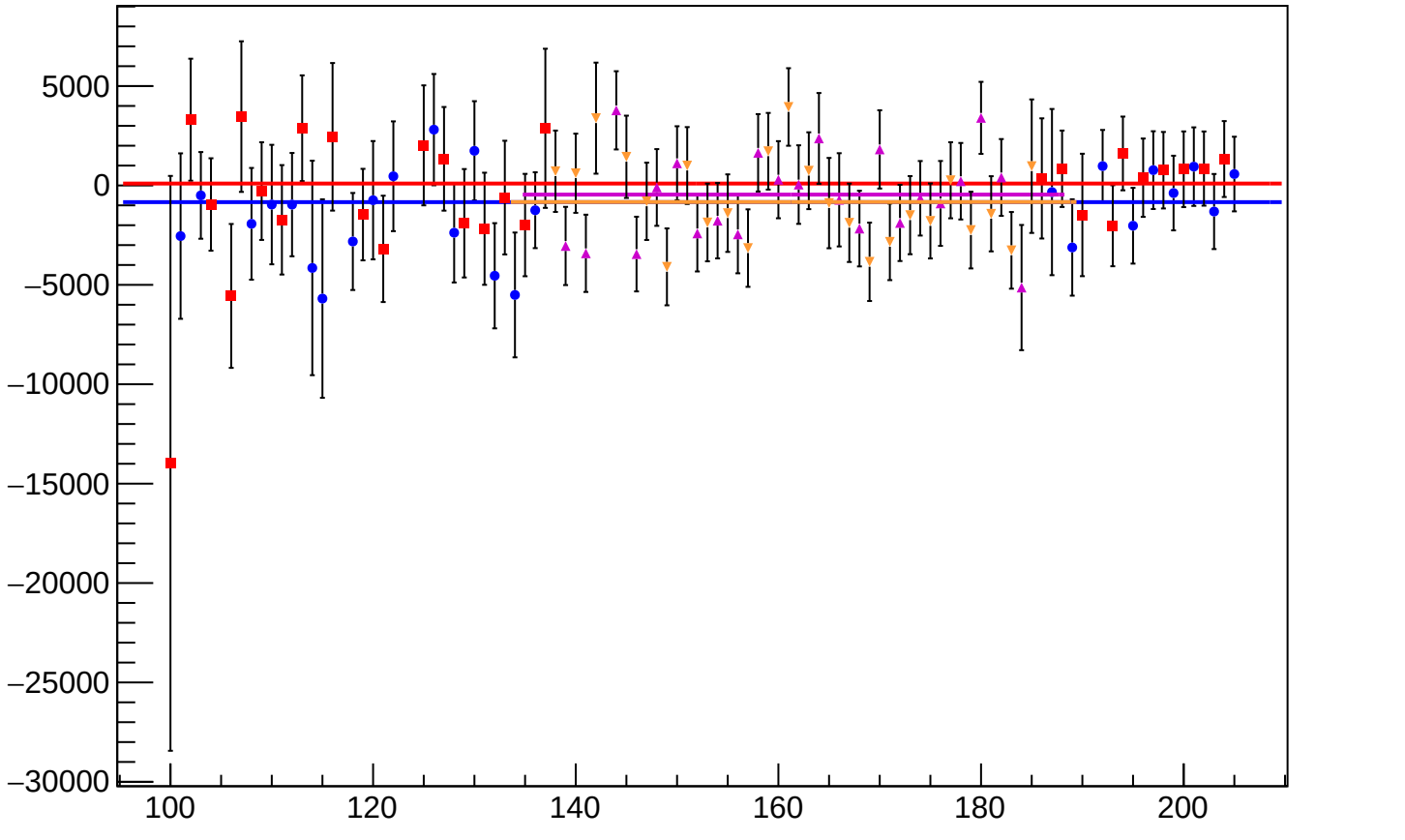
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1249.975+/-0.194 χ^2/NDF: 16030269.5/52

In: 805.632+/-0.110 χ^2/NDF:10947078.7/47

Out: 786.013+/-0.107 χ^2/NDF:12746798.7/51

All: 795.574+/-0.077 χ^2/NDF: 23710154.5/99



Right In: -838.100+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 96.238+/-470.514 χ^2/NDF: 15.5/27

Left In: -459.554+/-413.637 χ^2/NDF:27.3/22

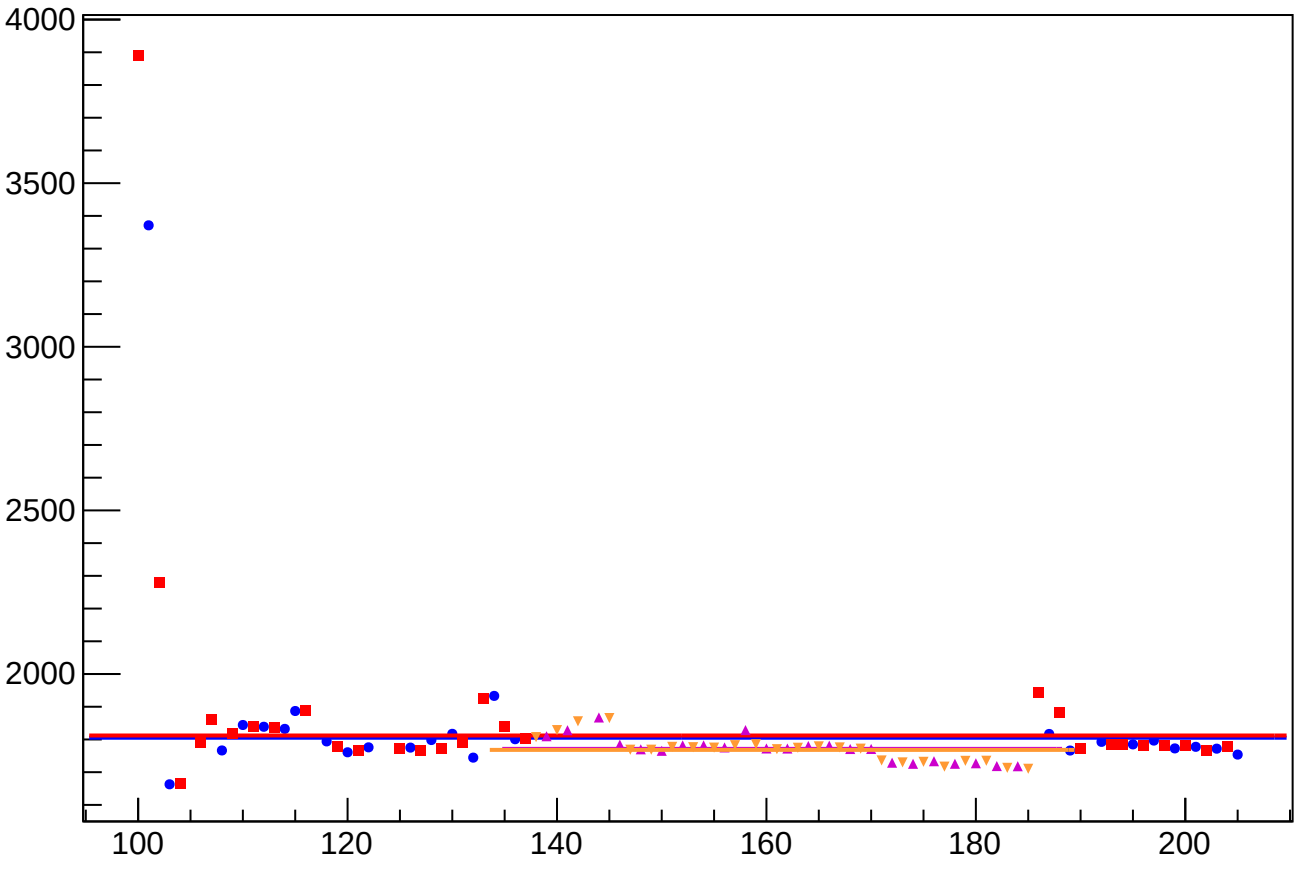
Left: -647.458+/-291.352 χ^2/NDF: 53.1/46

Right: -358.172+/-337.216 χ^2/NDF: 31.8/52

In: -619.509+/-314.323 χ^2/NDF:42.0/47

Out: -431.148+/-309.301 χ^2/NDF:43.1/51

All: -523.812+/-220.463 χ^2/NDF: 85.3/99



Right In: 1805.336+/-0.342 χ^2/NDF: 302695.4/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

Right Out: 1812.110+/-0.333 χ^2/NDF: 114398.4/27

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

Left: 1769.659+/-0.206 χ^2/NDF: 32840.2/46

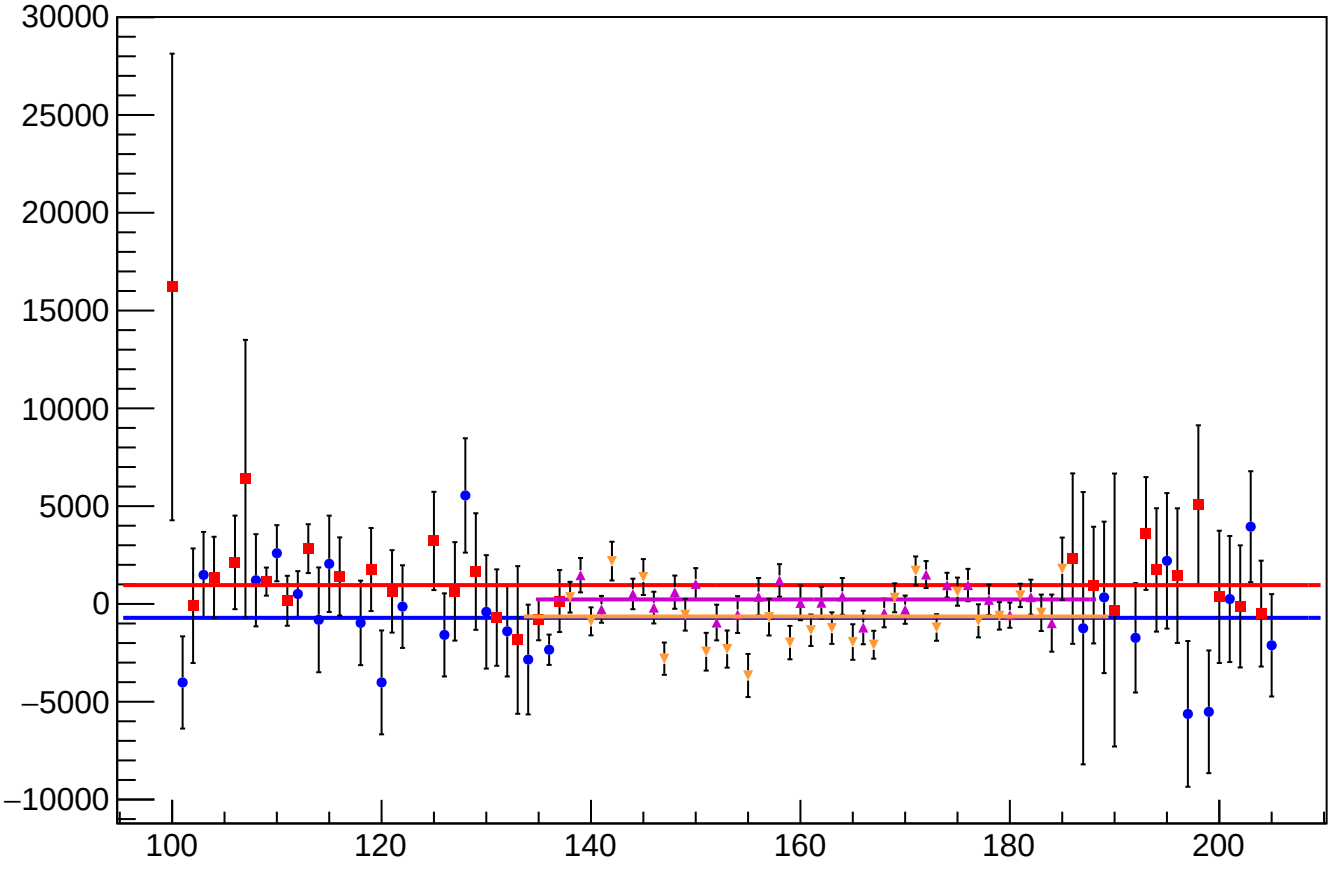
Right: 1808.815+/-0.238 χ^2/NDF: 417295.5/52

In: 1785.634+/-0.222 χ^2/NDF:324870.8/47

Out: 1787.133+/-0.219 χ^2/NDF:140681.8/51

All: 1786.396+/-0.156 χ^2/NDF: 465575.7/99

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -710.480+/-410.112 χ^2/NDF: 30.8/24

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: 963.188+/-370.286 χ^2/NDF: 13.1/27

Left In: 230.572+/-168.320 χ^2/NDF:19.9/22

Left: -210.085+/-118.354 χ^2/NDF: 100.2/46

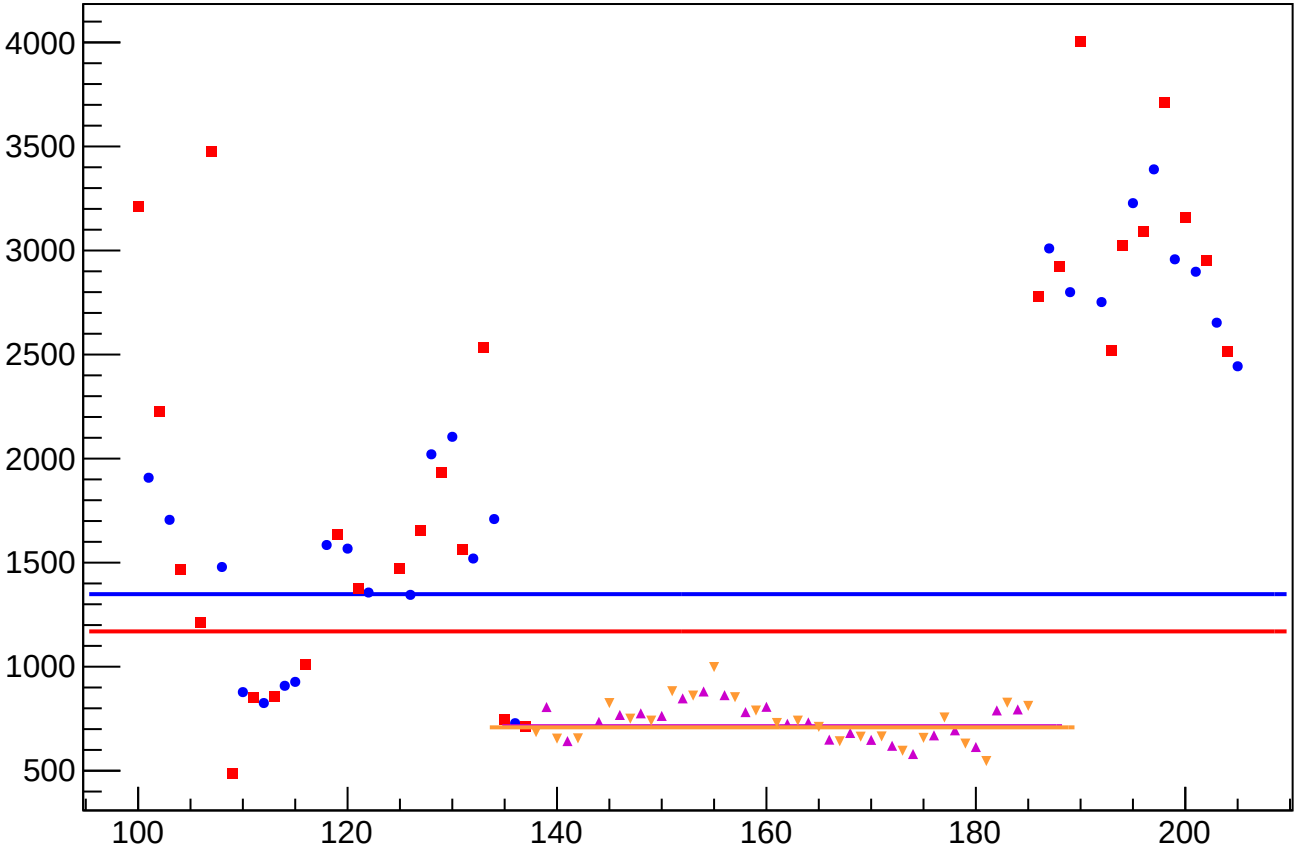
Right: 211.544+/-274.836 χ^2/NDF: 53.1/52

In: 94.905+/-155.716 χ^2/NDF:55.3/47

Out: -371.340+/-151.817 χ^2/NDF:95.3/51

All: -144.127+/-108.703 χ^2/NDF: 155.2/99

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1348.607+/-0.290 χ^2/NDF: 6353488.9/24

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1169.570+/-0.262 χ^2/NDF: 9466796.6/27

Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

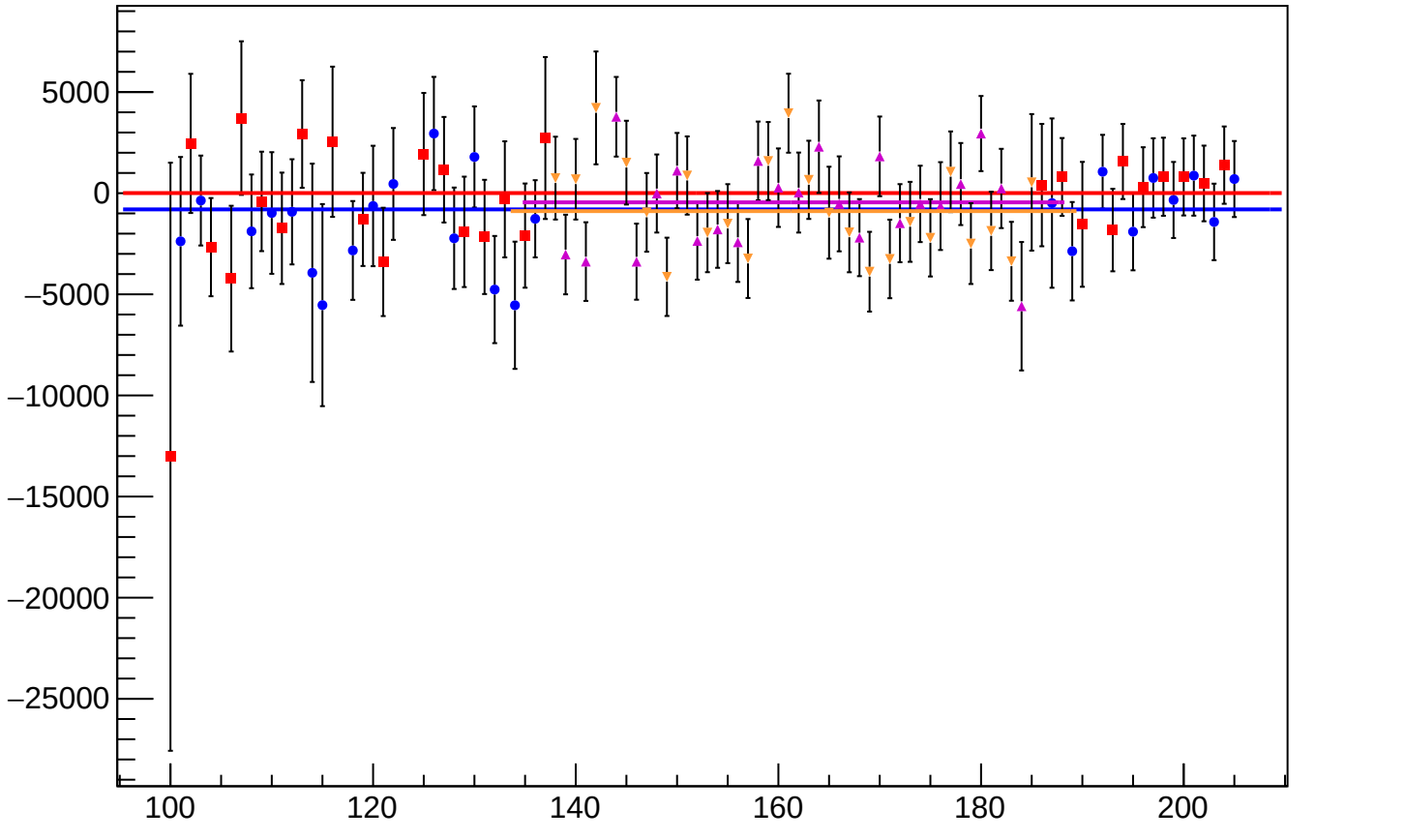
Left: 711.307+/-0.084 χ^2/NDF: 1198844.2/46

Right: 1249.975+/-0.194 χ^2/NDF: 16030269.5/52

In: 805.632+/-0.110 χ^2/NDF:10947078.7/47

Out: 786.013+/-0.107 χ^2/NDF:12746798.7/51

All: 795.574+/-0.077 χ^2/NDF: 23710154.5/99



Right In: -800.991+/-484.770 χ^2/NDF: 14.5/24

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 6.503+/-473.117 χ^2/NDF: 14.6/27

Left In: -453.237+/-416.200 χ^2/NDF:25.8/22

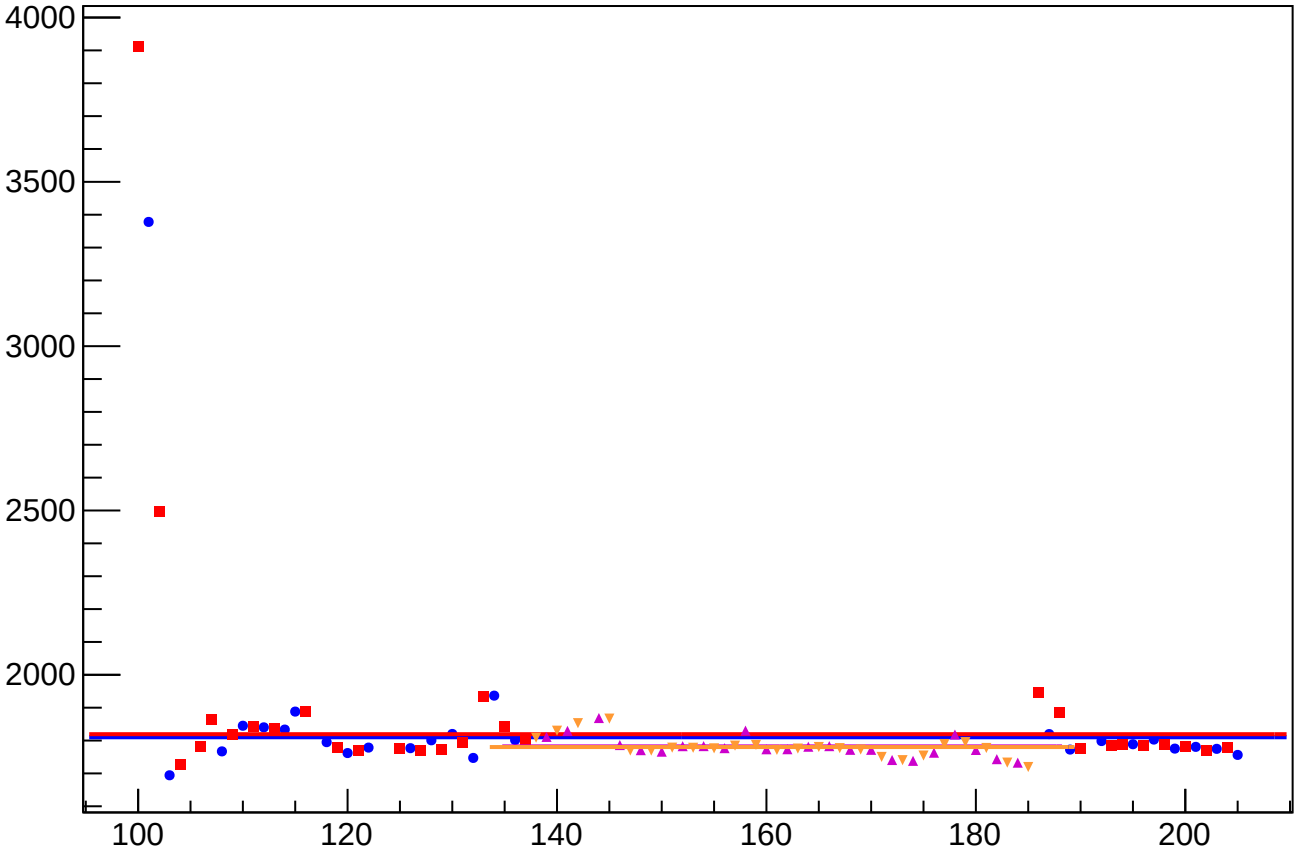
Left: -671.348+/-293.241 χ^2/NDF: 54.5/46

Right: -387.422+/-338.589 χ^2/NDF: 30.5/52

In: -600.800+/-315.783 χ^2/NDF:40.6/47

Out: -499.981+/-311.229 χ^2/NDF:44.8/51

All: -549.659+/-221.665 χ^2/NDF: 85.4/99



Right In: 1809.961+/-0.343 χ^2/NDF: 299579.5/24

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1819.357+/-0.335 χ^2/NDF: 141316.6/27

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

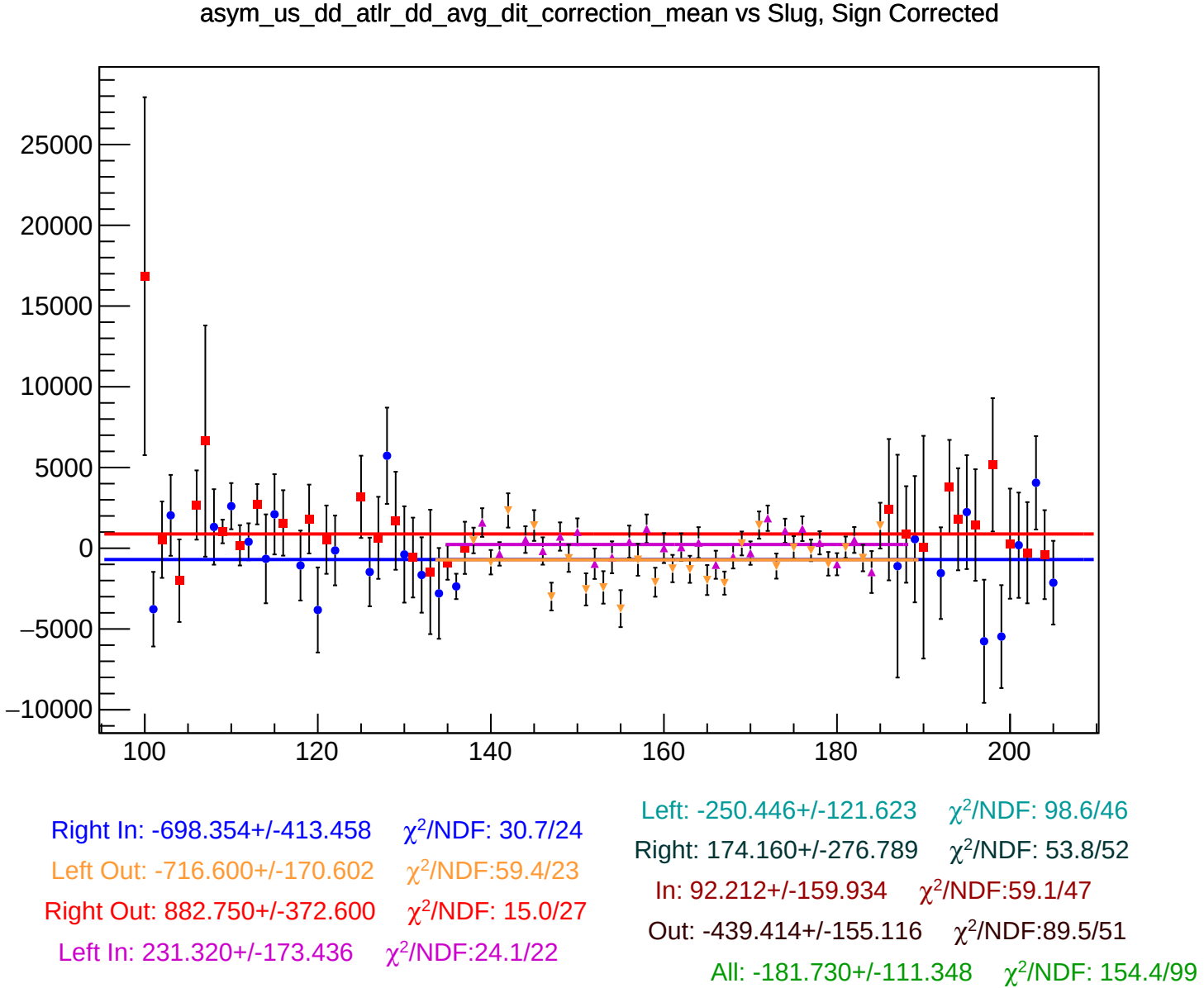
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1814.773+/-0.239 χ^2/NDF: 441280.9/52

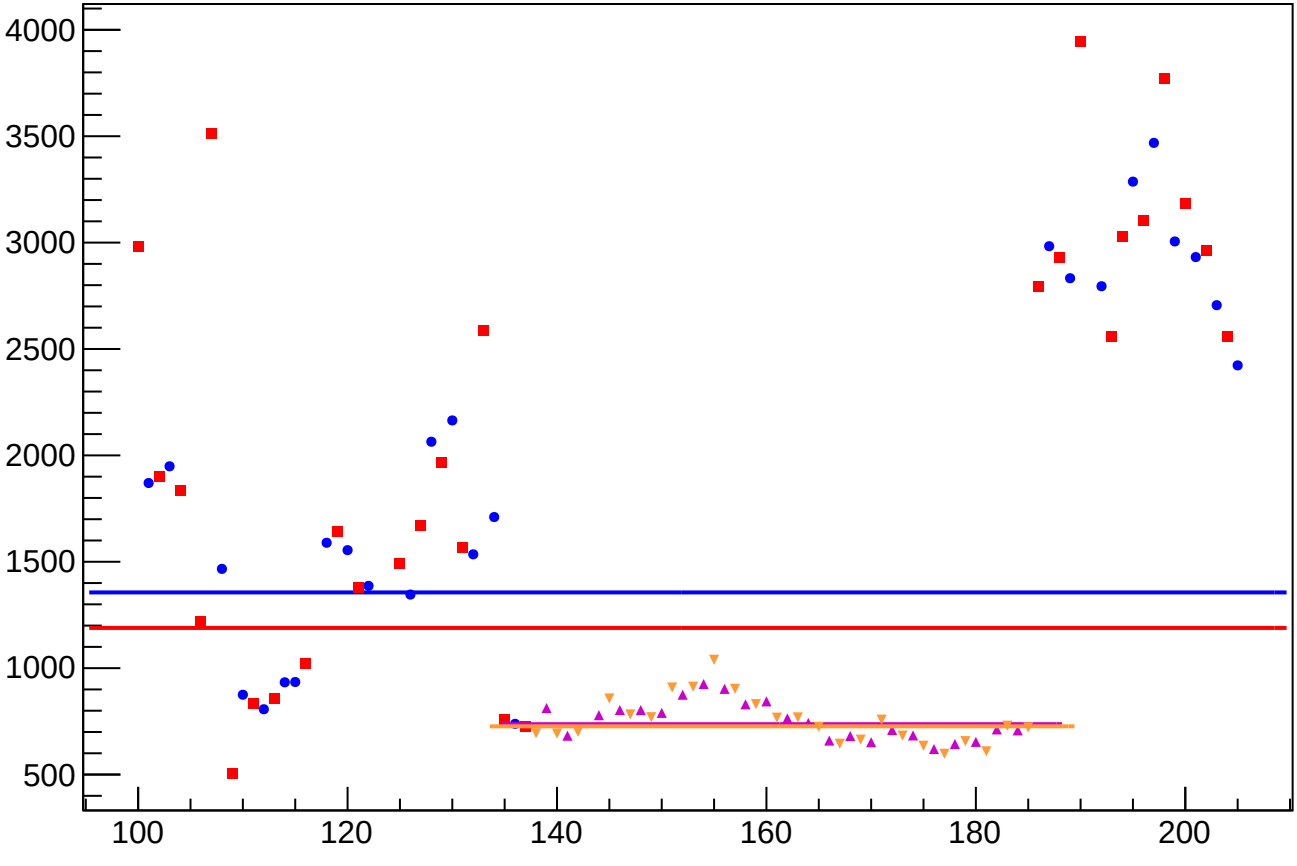
In: 1794.036+/-0.223 χ^2/NDF:314560.7/47

Out: 1797.156+/-0.220 χ^2/NDF:159460.0/51

All: 1795.619+/-0.157 χ^2/NDF: 474119.7/99


asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -698.354+/-413.458 χ²/NDF: 30.7/24
Left Out: -716.600+/-170.602 χ²/NDF:59.4/23
Right Out: 882.750+/-372.600 χ²/NDF: 15.0/27
Left In: 231.320+/-173.436 χ²/NDF:24.1/22
Left: -250.446+/-121.623 χ²/NDF: 98.6/46
Right: 174.160+/-276.789 χ²/NDF: 53.8/52
In: 92.212+/-159.934 χ²/NDF:59.1/47
Out: -439.414+/-155.116 χ²/NDF:89.5/51
All: -181.730+/-111.348 χ²/NDF: 154.4/99

asym_us_dd_atlr_dd_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1355.986+/-0.292 χ^2/NDF: 6485799.7/24

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

Right Out: 1189.056+/-0.263 χ^2/NDF: 9384780.8/27

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

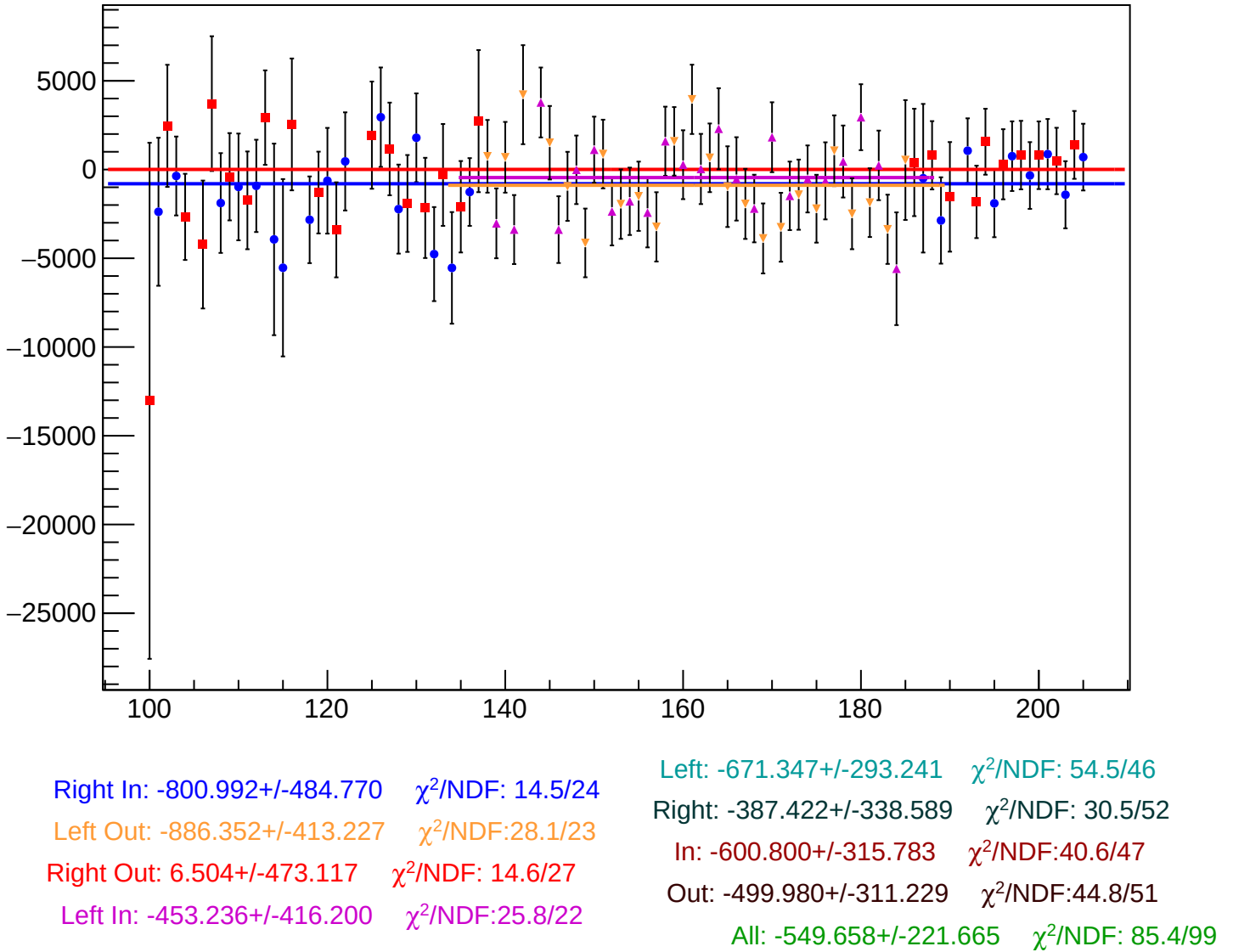
Left: 731.574+/-0.086 χ^2/NDF: 1153276.2/46

Right: 1263.868+/-0.196 χ^2/NDF: 16050487.8/52

In: 829.372+/-0.113 χ^2/NDF:10766273.8/47

Out: 806.752+/-0.110 χ^2/NDF:12616504.6/51

All: 817.716+/-0.079 χ^2/NDF: 23403393.1/99


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs Slug, Sign Corrected
5000
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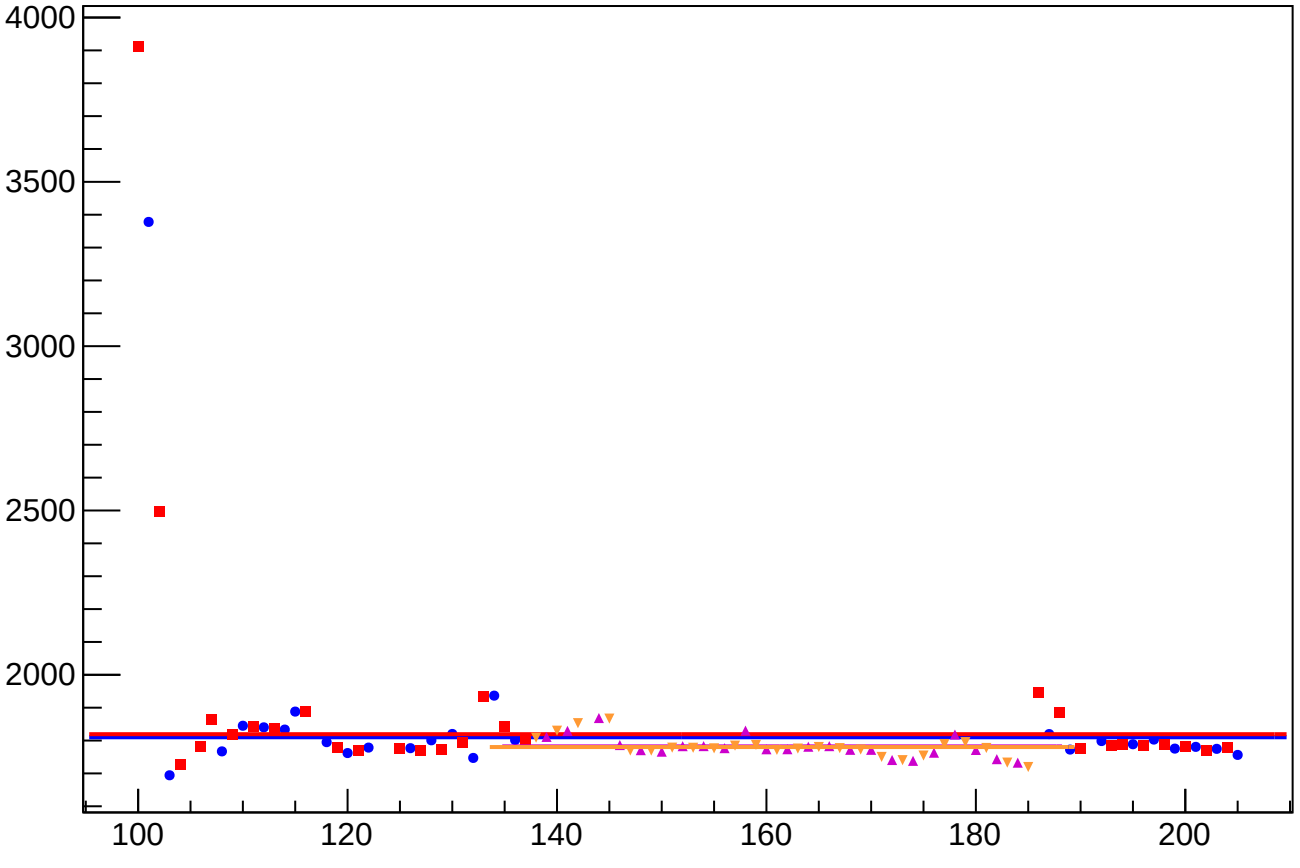
−5000
−10000
−15000
−20000
−25000
100
120
140
160
180
200
Right In: -800.992+/-484.770 χ²/NDF: 14.5/24
Left Out: -886.352+/-413.227 χ²/NDF:28.1/23
Right Out: 6.504+/-473.117 χ²/NDF: 14.6/27
Left In: -453.236+/-416.200 χ²/NDF:25.8/22
Left: -671.347+/-293.241 χ²/NDF: 54.5/46
Right: -387.422+/-338.589 χ²/NDF: 30.5/52
In: -600.800+/-315.783 χ²/NDF:40.6/47
Out: -499.980+/-311.229 χ²/NDF:44.8/51
All: -549.658+/-221.665 χ²/NDF: 85.4/99



Right In: 1809.961+/-0.343 χ^2/NDF: 299579.5/24

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1819.357+/-0.335 χ^2/NDF: 141316.7/27

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

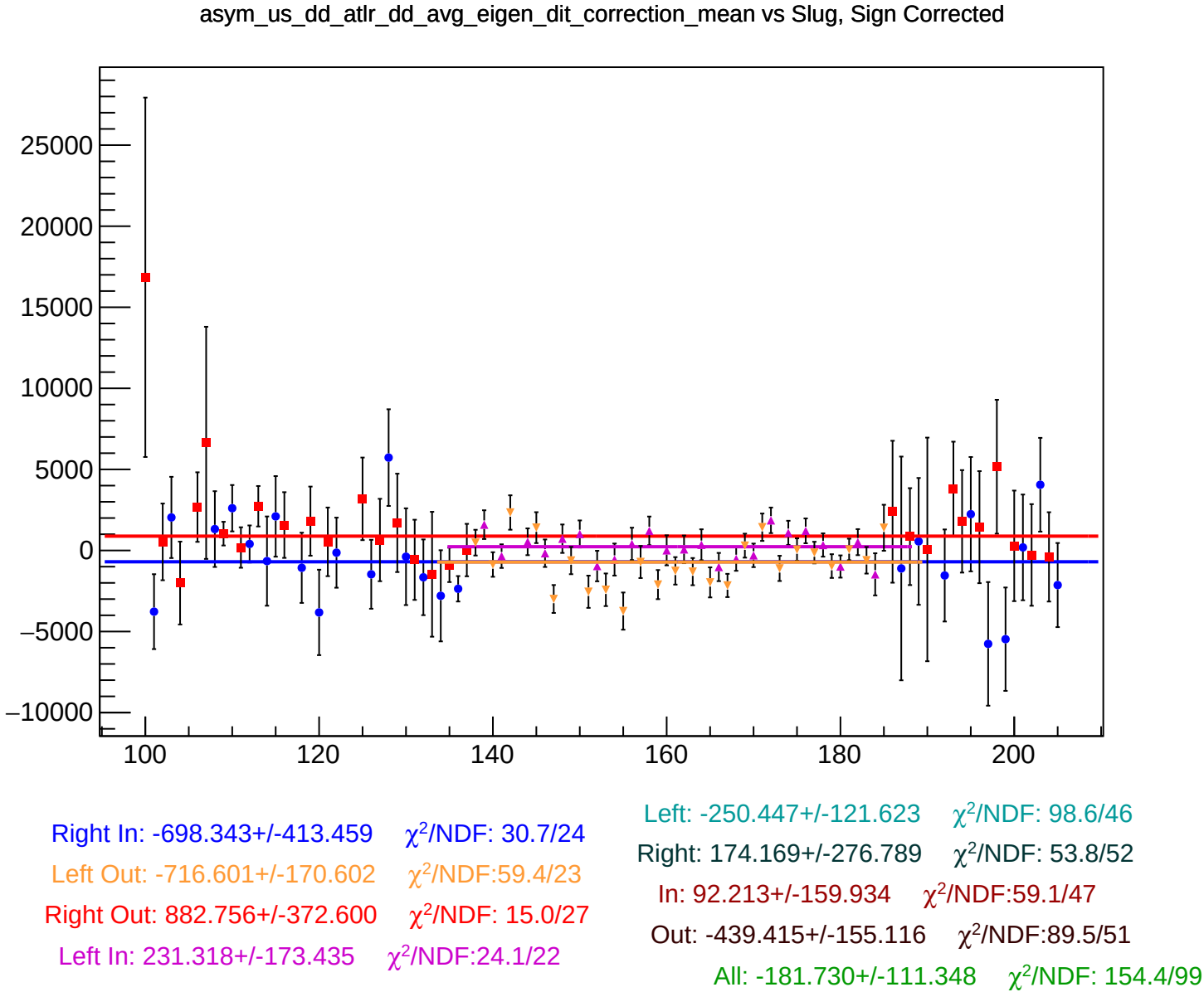
Left: 1781.252+/-0.207 χ^2/NDF: 21637.4/46

Right: 1814.773+/-0.239 χ^2/NDF: 441280.9/52

In: 1794.036+/-0.223 χ^2/NDF:314560.7/47

Out: 1797.156+/-0.220 χ^2/NDF:159460.1/51

All: 1795.619+/-0.157 χ^2/NDF: 474119.9/99


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
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15000
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5000
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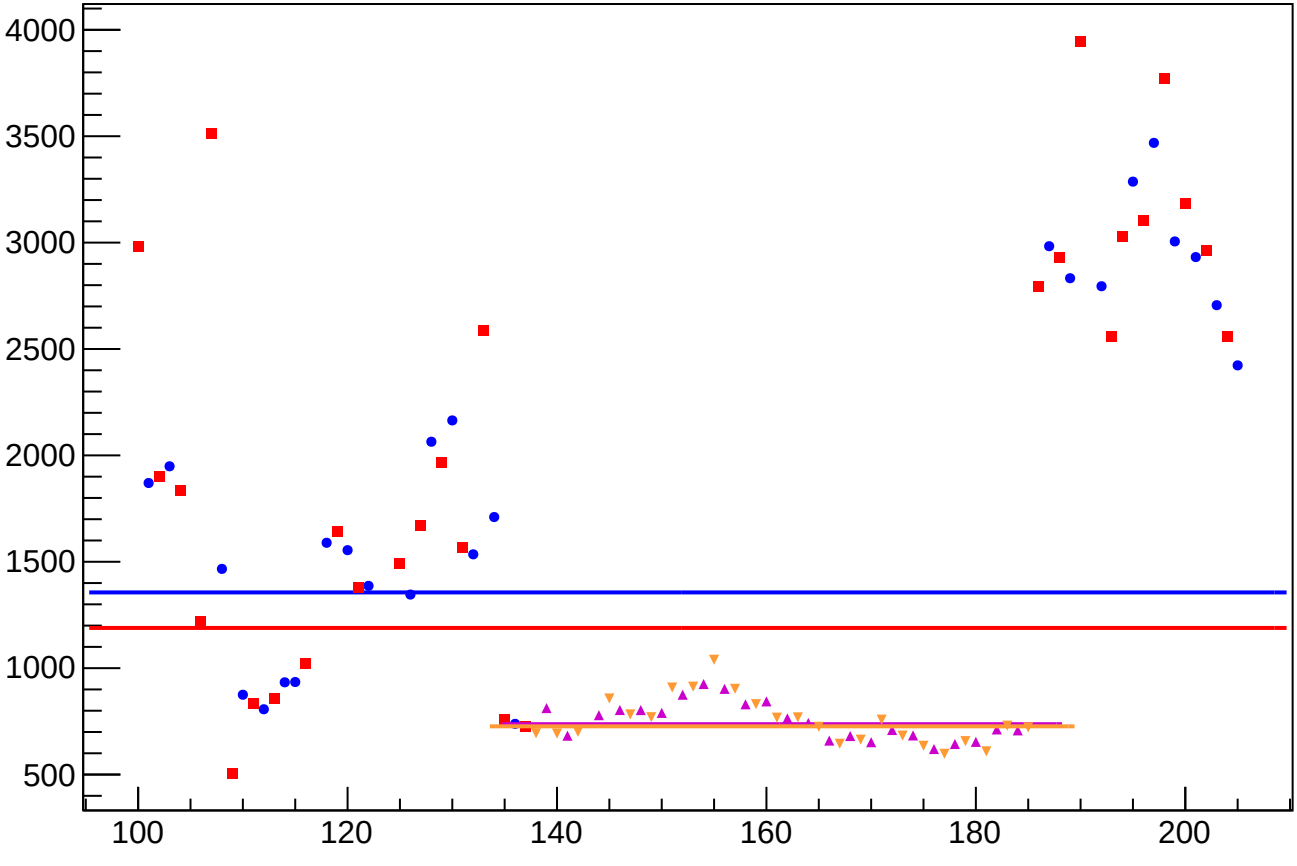
−5000
−10000
100
120
140
160
180
200
Right In: -698.343+/-413.459 χ²/NDF: 30.7/24
Left Out: -716.601+/-170.602 χ²/NDF:59.4/23
Right Out: 882.756+/-372.600 χ²/NDF: 15.0/27
Left In: 231.318+/-173.435 χ²/NDF:24.1/22
Left: -250.447+/-121.623 χ²/NDF: 98.6/46
Right: 174.169+/-276.789 χ²/NDF: 53.8/52
In: 92.213+/-159.934 χ²/NDF:59.1/47
Out: -439.415+/-155.116 χ²/NDF:89.5/51
All: -181.730+/-111.348 χ²/NDF: 154.4/99

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1355.989+/-0.292 χ^2/NDF: 6485751.3/24

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1189.058+/-0.263 χ^2/NDF: 9384743.7/27

Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

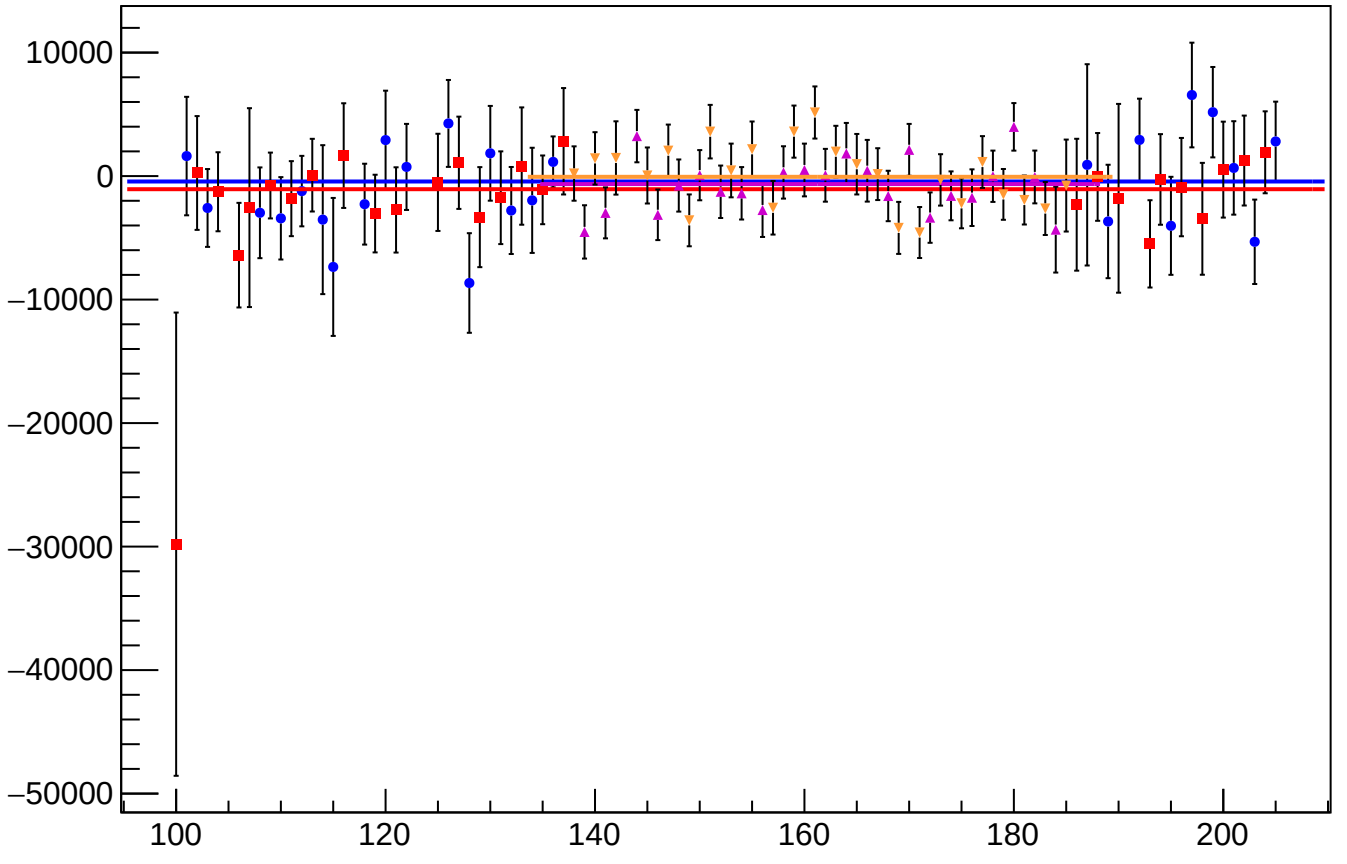
Left: 731.574+/-0.086 χ^2/NDF: 1153283.6/46

Right: 1263.870+/-0.196 χ^2/NDF: 16050402.6/52

In: 829.372+/-0.113 χ^2/NDF:10766273.9/47

Out: 806.753+/-0.110 χ^2/NDF:12616484.0/51

All: 817.717+/-0.079 χ^2/NDF: 23403371.1/99



Right In: -437.974+/-724.085 χ^2/NDF: 23.0/24

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: -1062.021+/-716.098 χ^2/NDF: 10.4/27

Left In: -646.910+/-448.538 χ^2/NDF:23.7/22

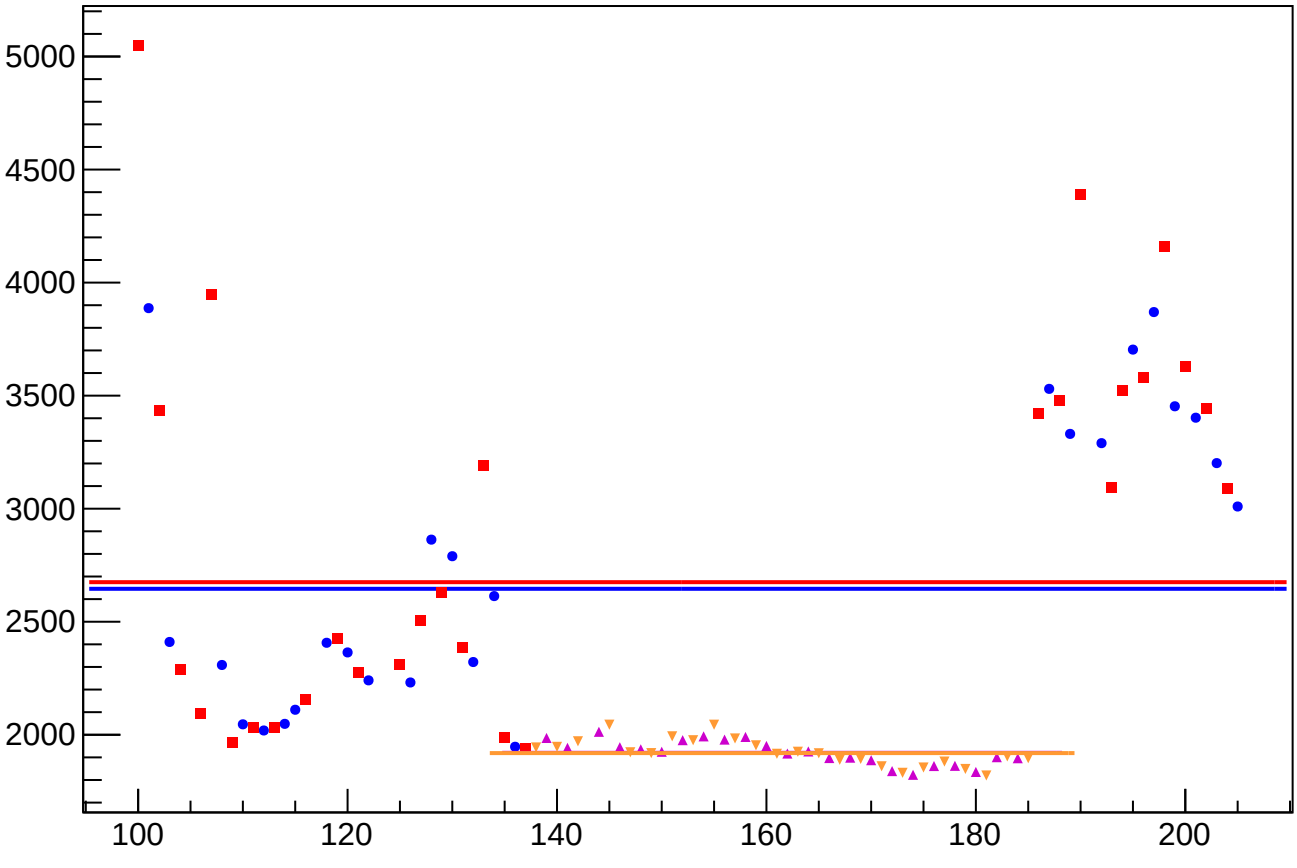
Left: -351.320+/-316.121 χ^2/NDF: 57.5/46

Right: -753.459+/-509.158 χ^2/NDF: 33.7/52

In: -588.969+/-381.307 χ^2/NDF:46.7/47

Out: -339.397+/-378.334 χ^2/NDF:44.8/51

All: -463.206+/-268.567 χ^2/NDF: 91.7/99



Right In: 2645.653+/-0.512 χ^2/NDF: 1398551.4/24

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

Right Out: 2675.001+/-0.506 χ^2/NDF: 1773617.0/27

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

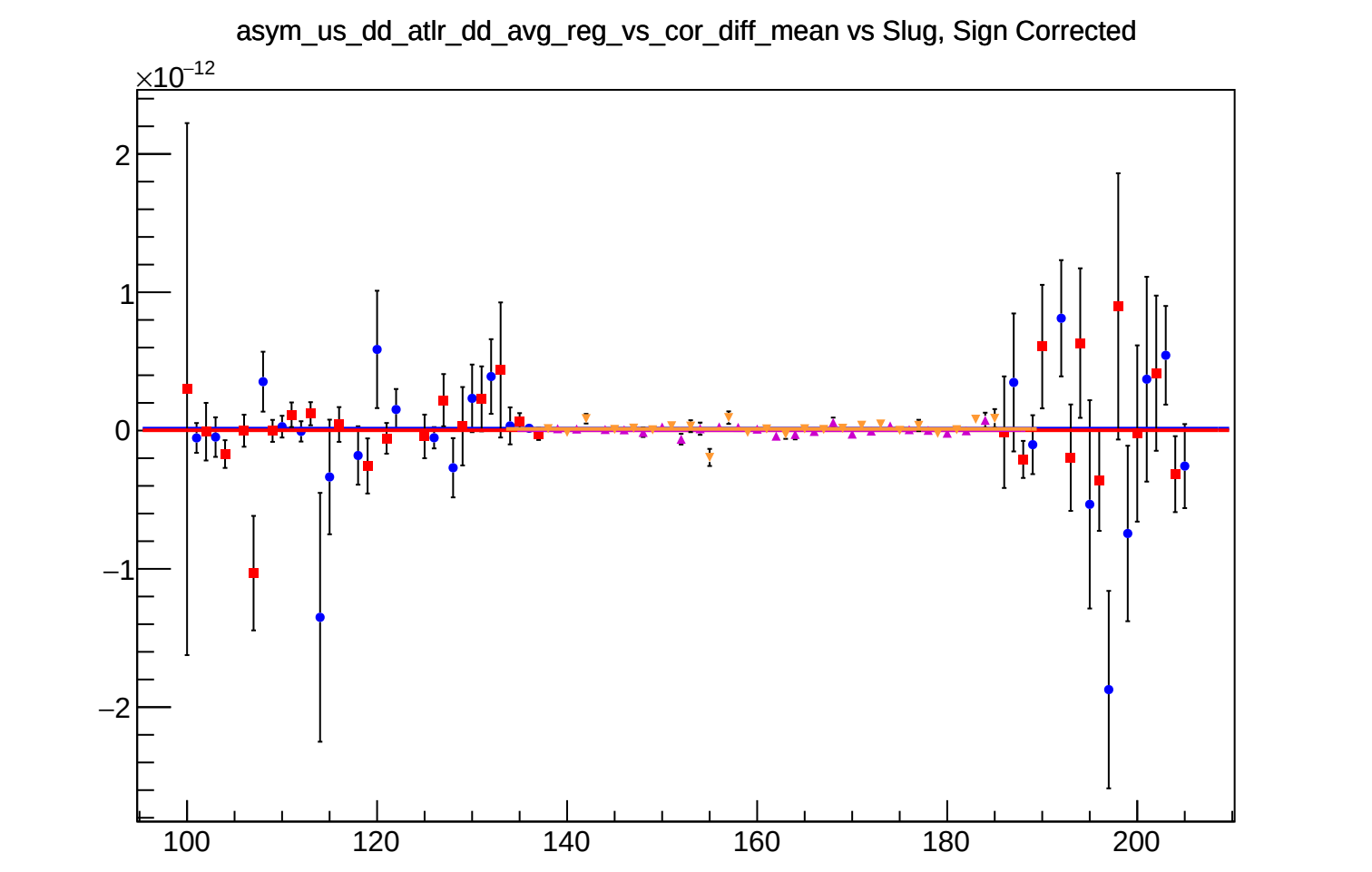
Left: 1919.591+/-0.224 χ^2/NDF: 65494.2/46

Right: 2660.489+/-0.360 χ^2/NDF: 3173829.4/52

In: 2121.388+/-0.270 χ^2/NDF:2879248.4/47

Out: 2130.006+/-0.268 χ^2/NDF:3416204.5/51

All: 2125.731+/-0.190 χ^2/NDF: 6295967.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 31.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/27

Left In: 0.000+/-0.000 χ^2/NDF:19.6/22

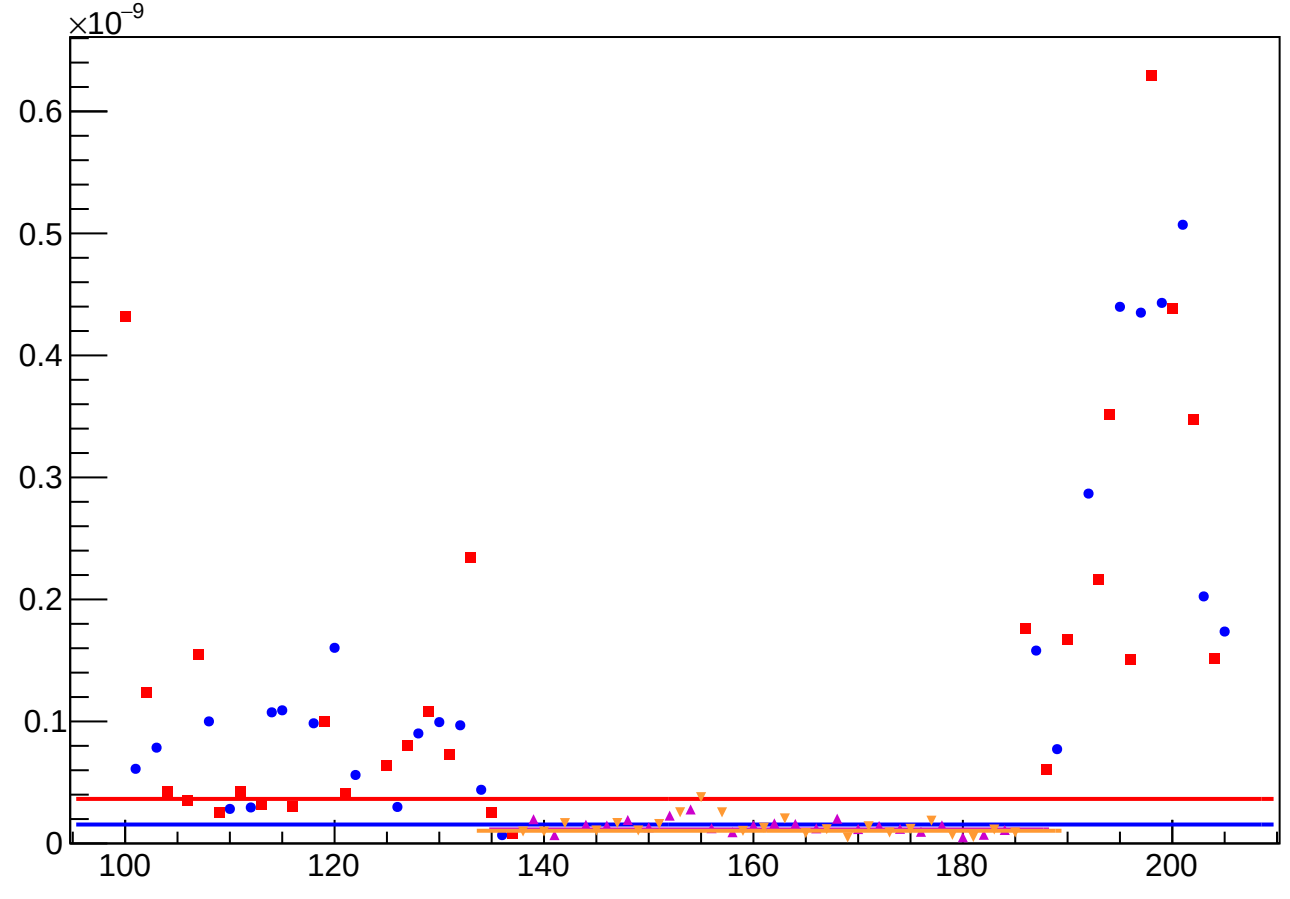
Left: 0.000+/-0.000 χ^2/NDF: 59.3/46

Right: 0.000+/-0.000 χ^2/NDF: 61.0/52

In: 0.000+/-0.000 χ^2/NDF:51.6/47

Out: 0.000+/-0.000 χ^2/NDF:67.5/51

All: 0.000+/-0.000 χ^2/NDF: 120.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 8827765.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6779364.6/27

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4014682.3/46

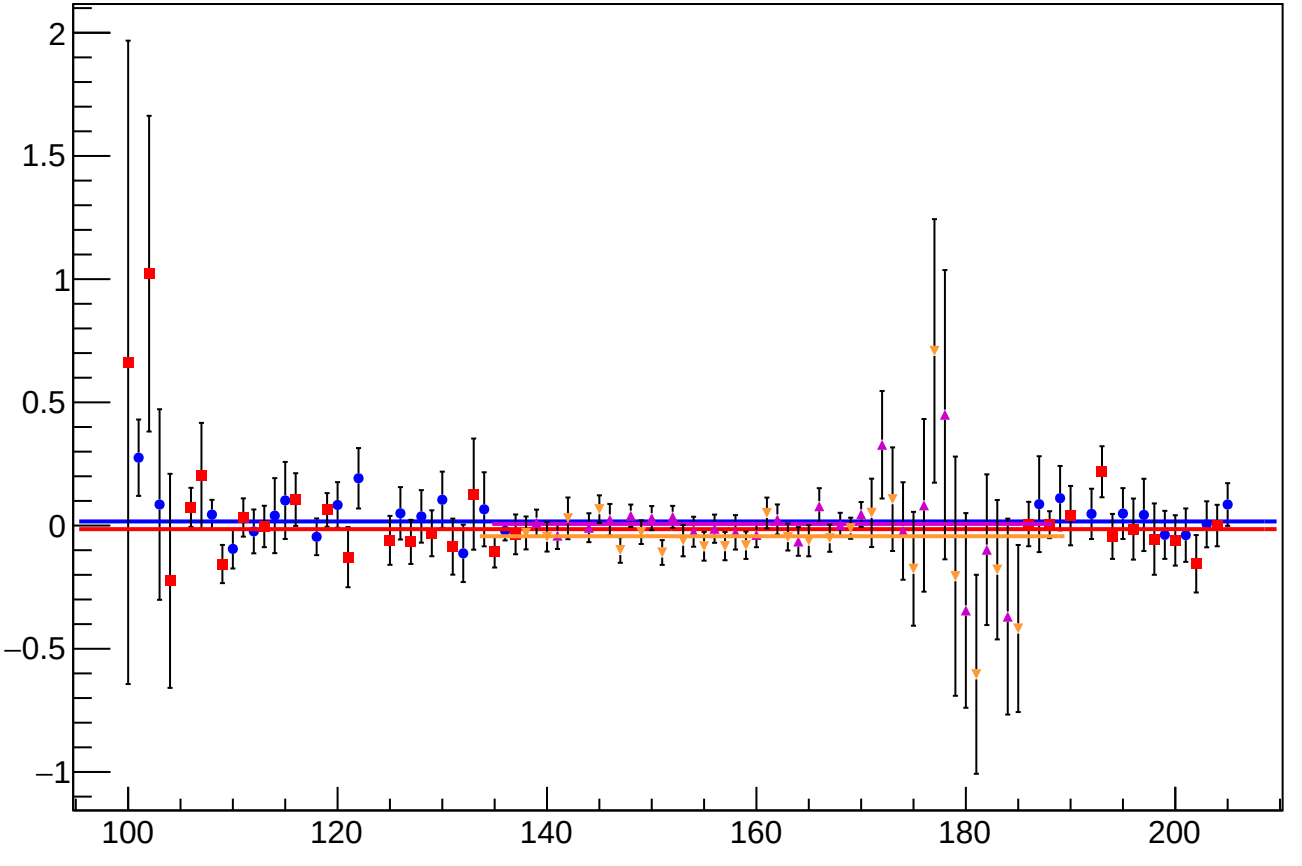
Right: 0.000+/-0.000 χ^2/NDF: 16796542.0/52

In: 0.000+/-0.000 χ^2/NDF:10872838.4/47

Out: 0.000+/-0.000 χ^2/NDF:11244638.0/51

All: 0.000+/-0.000 χ^2/NDF: 22128639.9/99

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

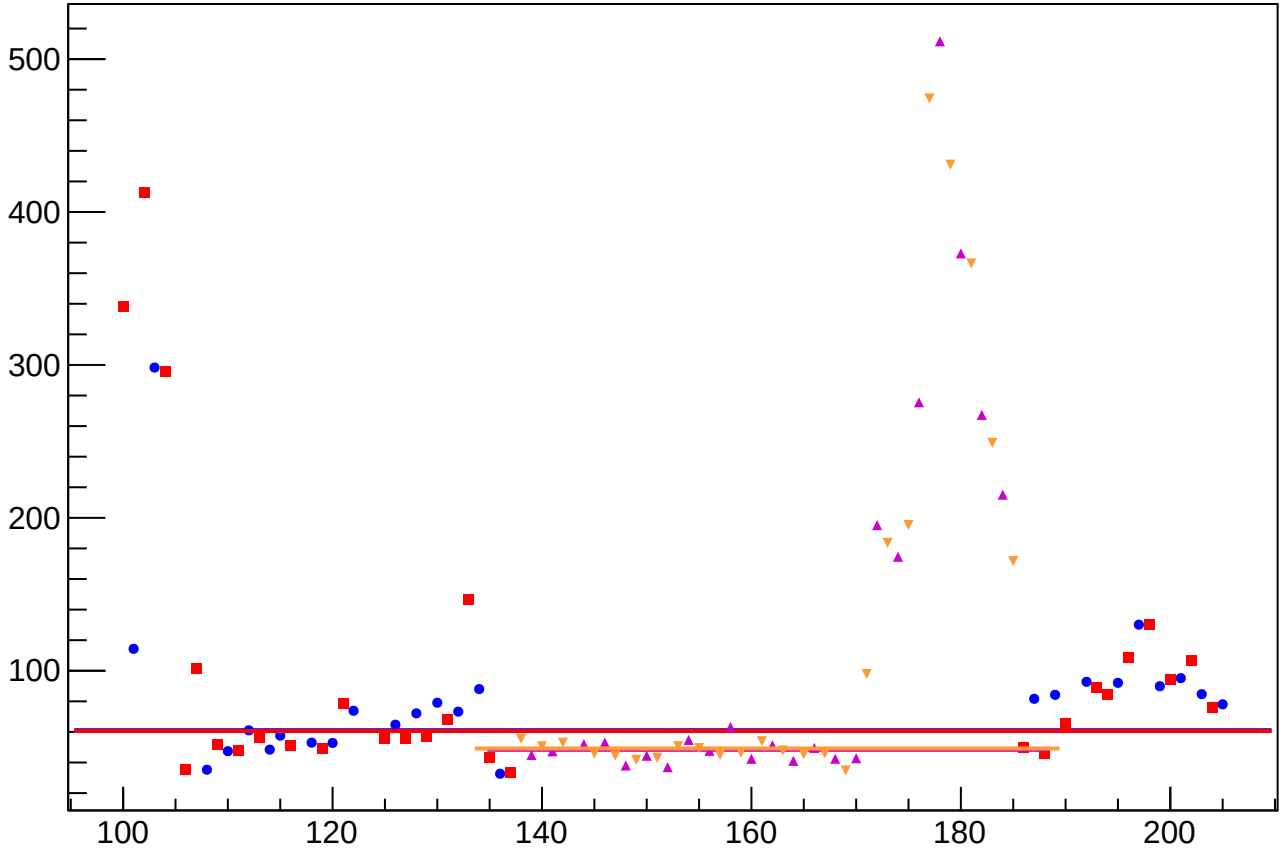
Right: 0.001+/-0.013 χ^2/NDF: 38.7/52

In: 0.010+/-0.011 χ^2/NDF:25.4/47

Out: -0.033+/-0.011 χ^2/NDF:43.8/51

All: -0.011+/-0.008 χ^2/NDF: 76.8/99

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.133+/-0.013 χ^2/NDF: 4200575.9/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.595+/-0.013 χ^2/NDF: 4270234.7/27

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

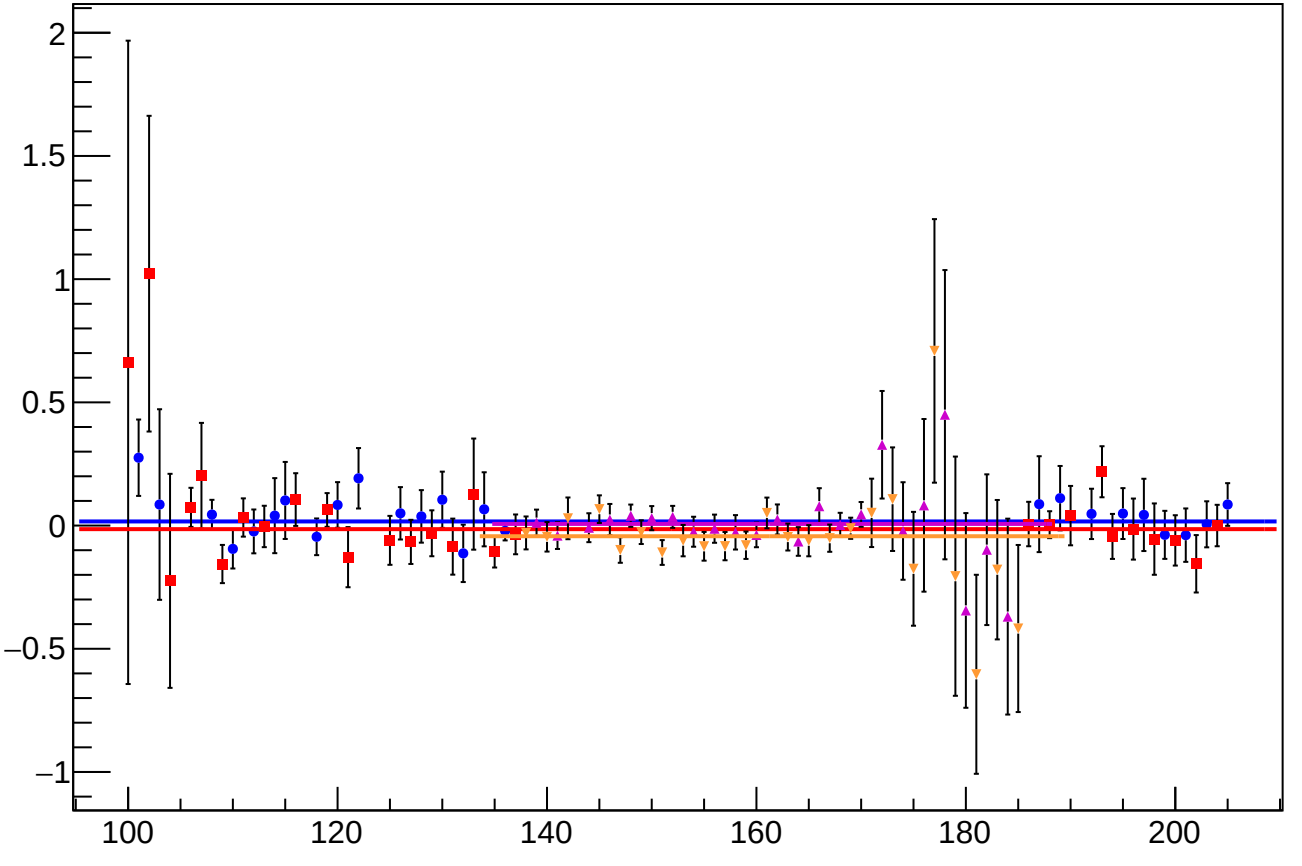
Right: 60.855+/-0.009 χ^2/NDF: 8471661.7/52

In: 52.701+/-0.008 χ^2/NDF:11857634.7/47

Out: 53.402+/-0.008 χ^2/NDF:12018833.1/51

All: 53.049+/-0.006 χ^2/NDF: 23880535.3/99

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

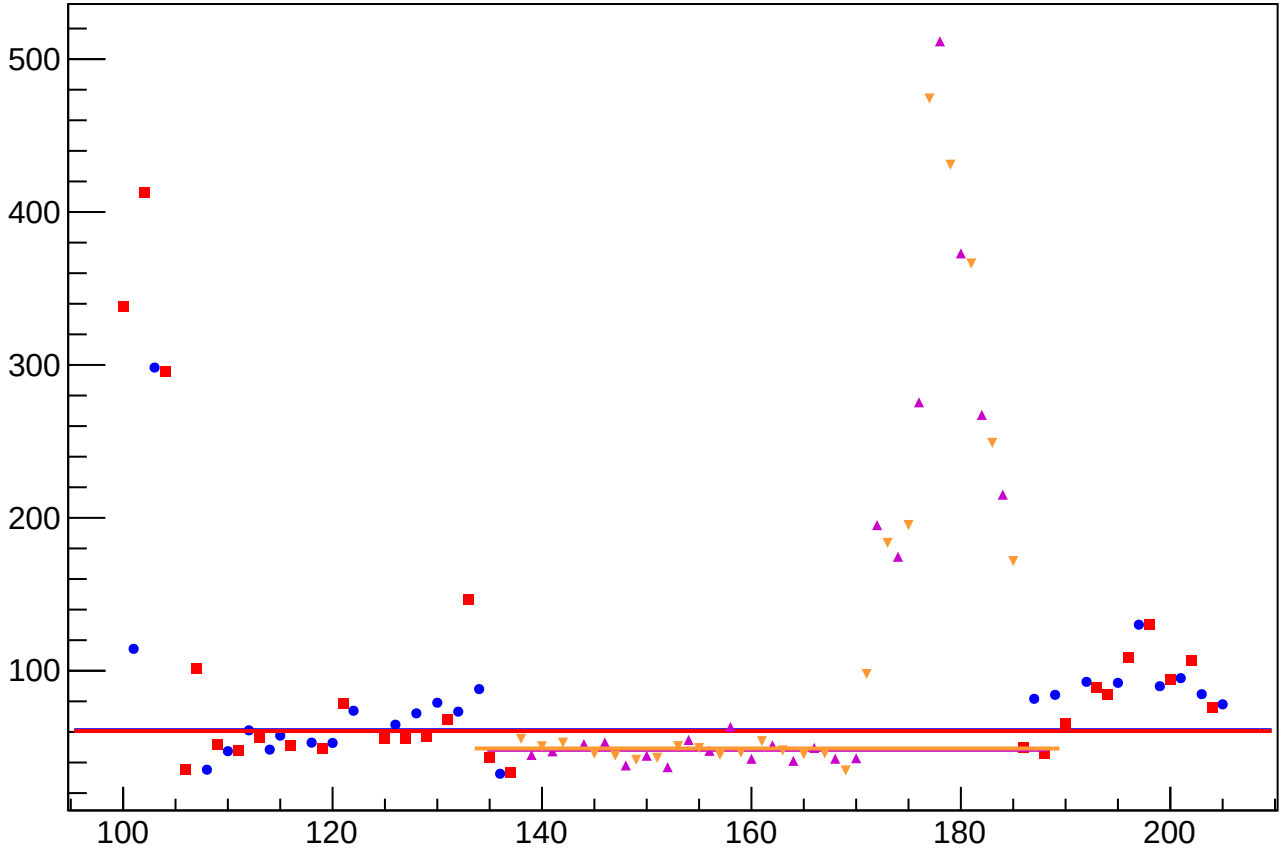
Right: 0.001+/-0.013 χ^2/NDF: 38.7/52

In: 0.010+/-0.011 χ^2/NDF:25.4/47

Out: -0.033+/-0.011 χ^2/NDF:43.8/51

All: -0.011+/-0.008 χ^2/NDF: 76.8/99

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.133+/-0.013 χ^2/NDF: 4200575.9/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

Right Out: 60.595+/-0.013 χ^2/NDF: 4270234.7/27

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

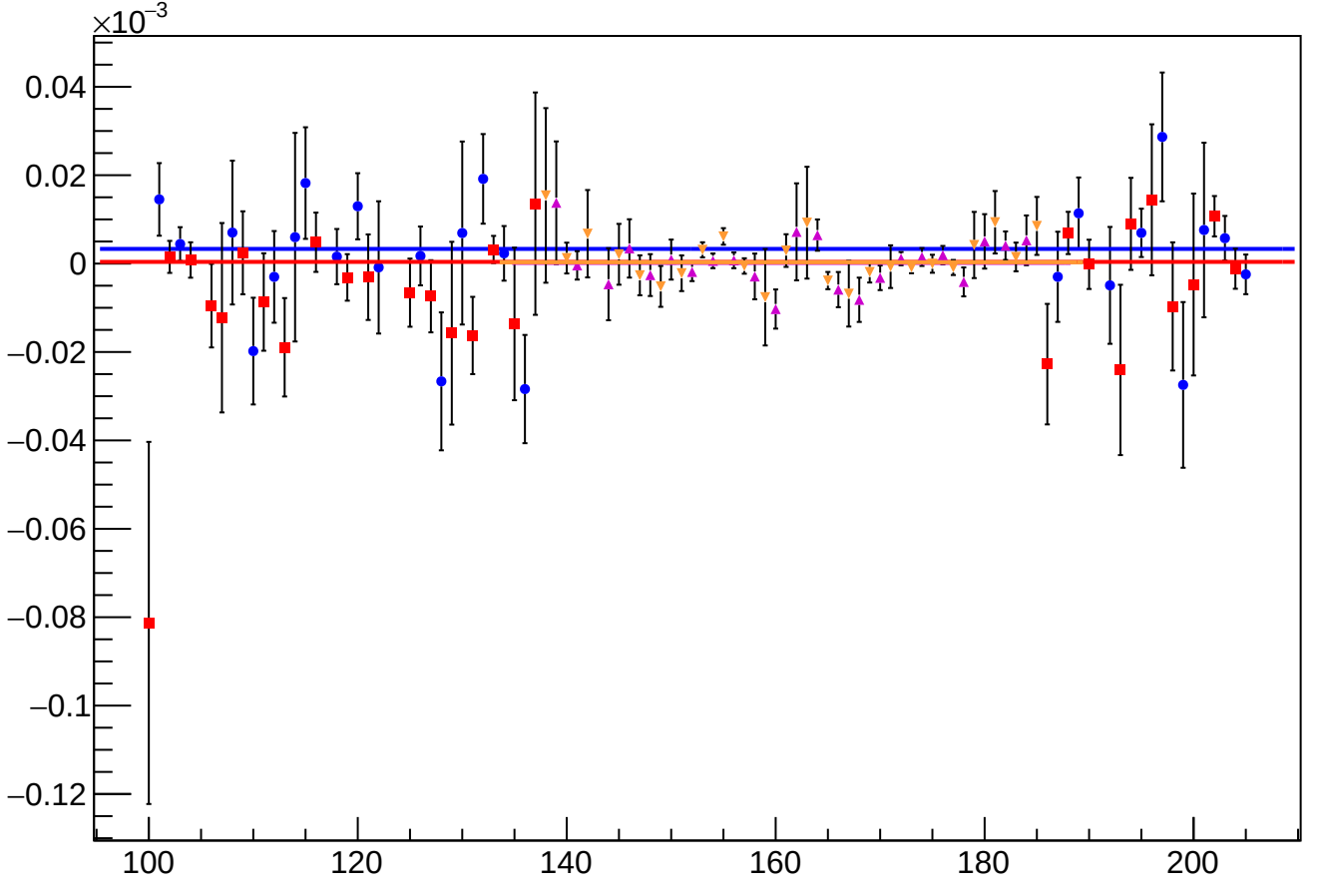
Left: 48.731+/-0.007 χ^2/NDF: 14294810.2/46

Right: 60.855+/-0.009 χ^2/NDF: 8471661.7/52

In: 52.701+/-0.008 χ^2/NDF:11857634.7/47

Out: 53.402+/-0.008 χ^2/NDF:12018833.1/51

All: 53.049+/-0.006 χ^2/NDF: 23880535.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.5/27

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

Left: 0.000+/-0.000 χ^2/NDF: 54.1/46

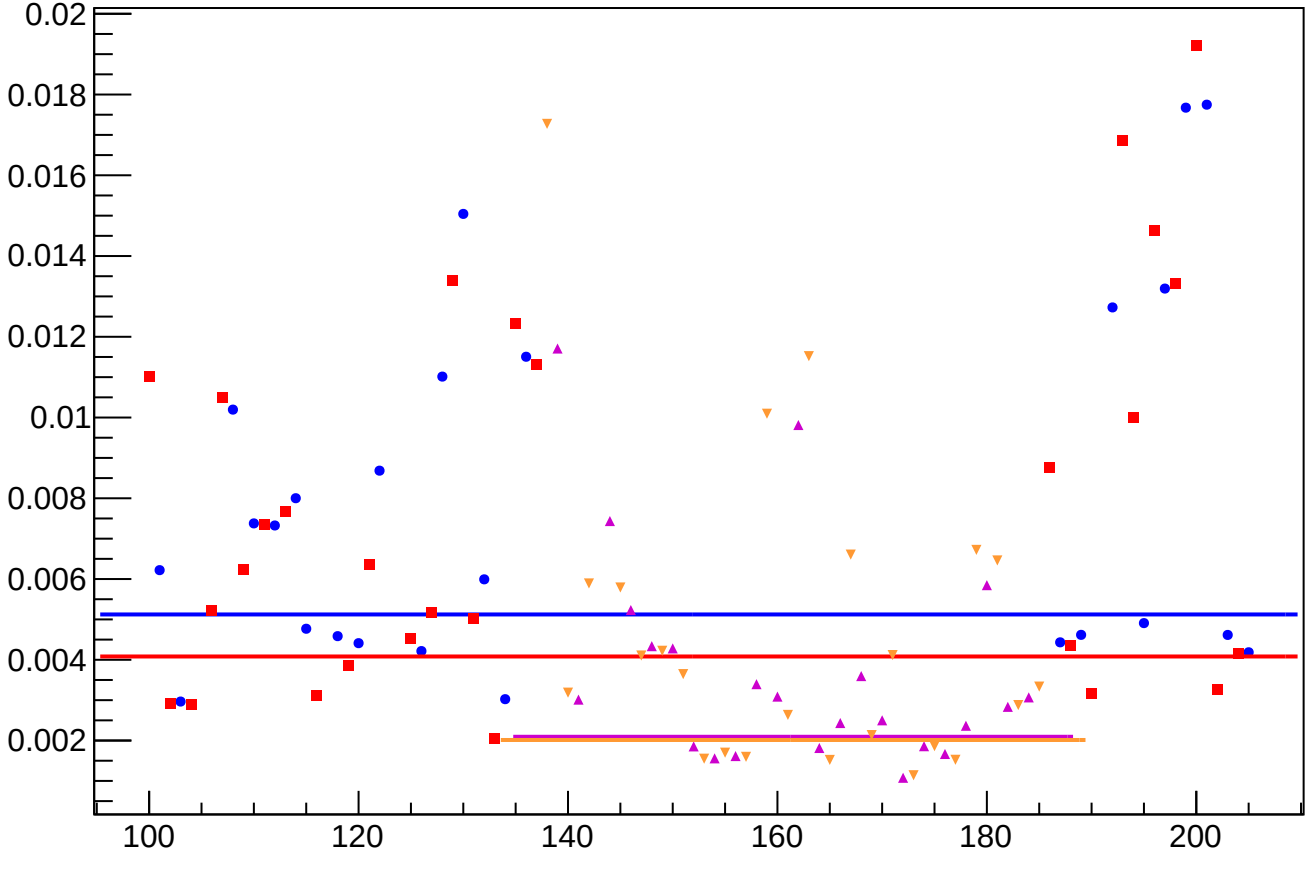
Right: 0.000+/-0.000 χ^2/NDF: 65.6/52

In: 0.000+/-0.000 χ^2/NDF:60.8/47

Out: 0.000+/-0.000 χ^2/NDF:60.3/51

All: 0.000+/-0.000 χ^2/NDF: 121.2/99

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 5895060.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7805048.6/27

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

Left: 0.002+/-0.000 χ^2/NDF: 17422562.9/46

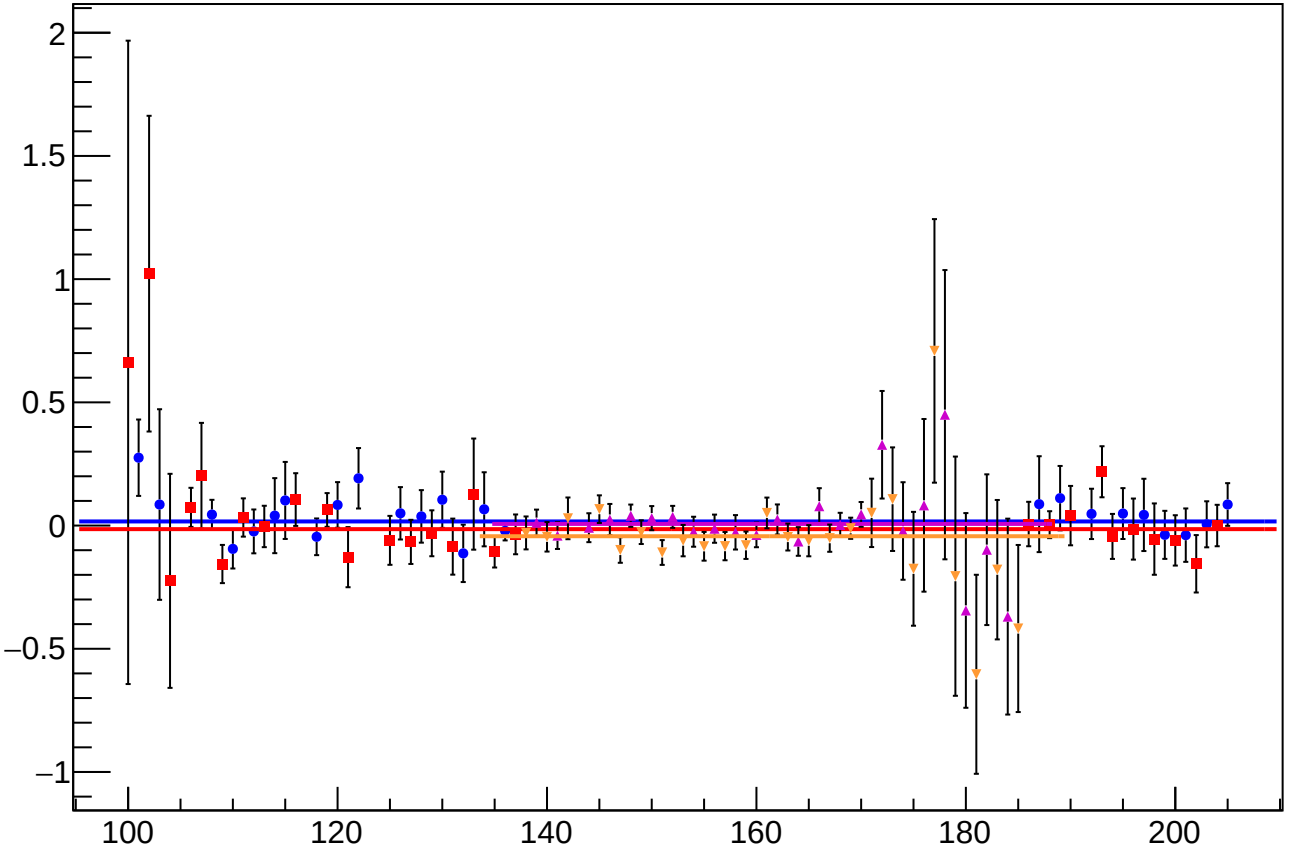
Right: 0.004+/-0.000 χ^2/NDF: 14218413.1/52

In: 0.002+/-0.000 χ^2/NDF:19357579.2/47

Out: 0.002+/-0.000 χ^2/NDF:22417850.3/51

All: 0.002+/-0.000 χ^2/NDF: 41830538.4/99

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

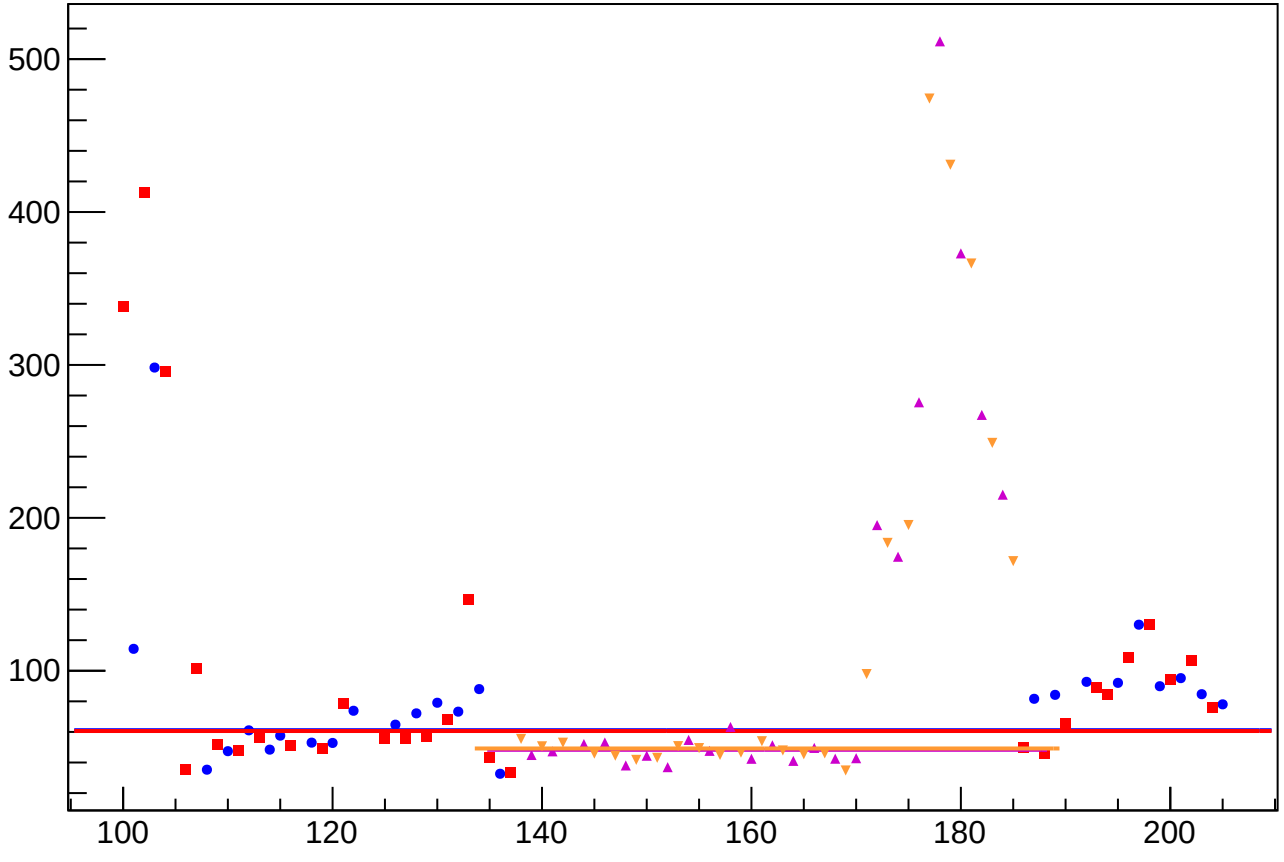
Right: 0.001+/-0.013 χ^2/NDF: 38.7/52

In: 0.010+/-0.011 χ^2/NDF:25.4/47

Out: -0.033+/-0.011 χ^2/NDF:43.8/51

All: -0.011+/-0.008 χ^2/NDF: 76.8/99

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.133+/-0.013 χ^2/NDF: 4200408.1/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.595+/-0.013 χ^2/NDF: 4270097.0/27

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

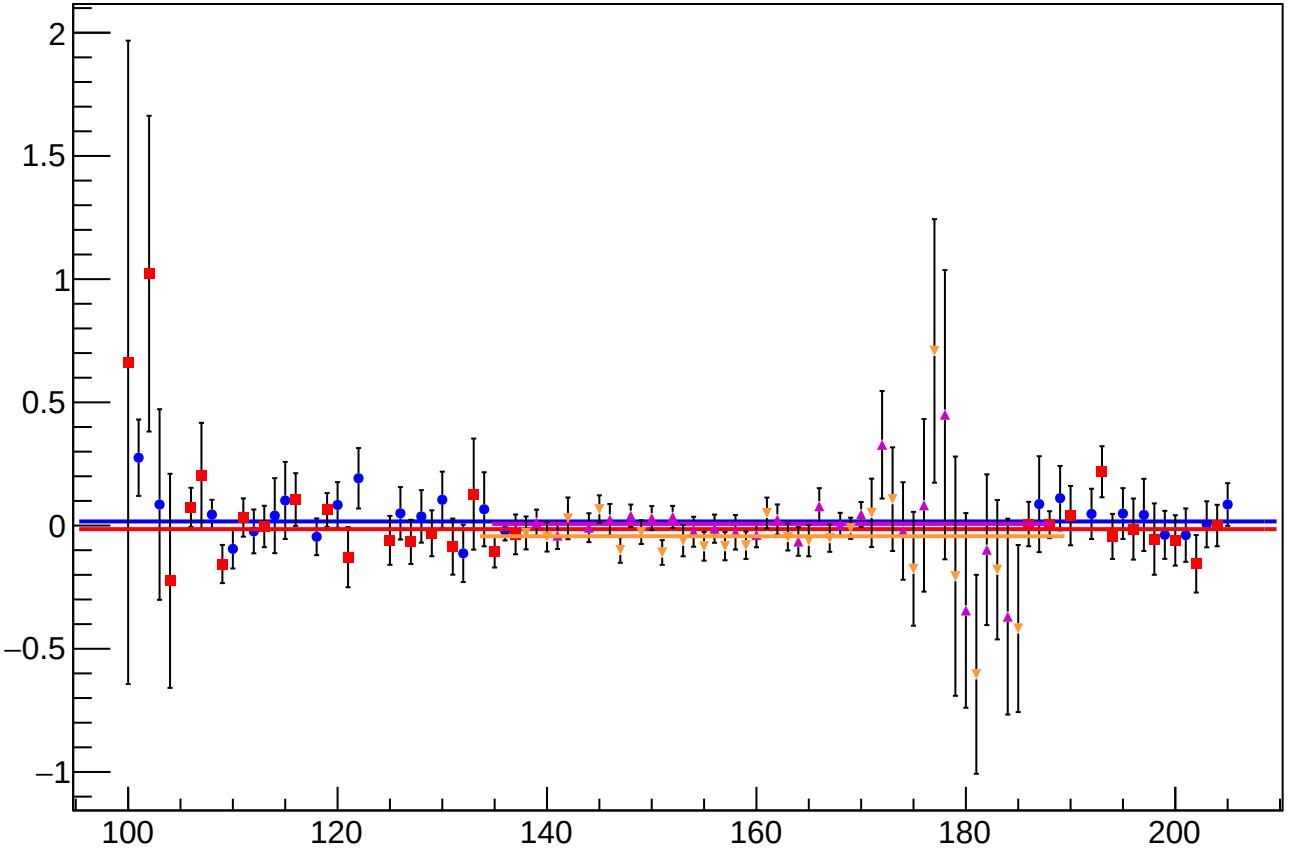
Right: 60.856+/-0.009 χ^2/NDF: 8471355.2/52

In: 52.701+/-0.008 χ^2/NDF:11857397.3/47

Out: 53.402+/-0.008 χ^2/NDF:12018795.4/51

All: 53.049+/-0.006 χ^2/NDF: 23880256.5/99

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

Right Out: -0.015+/-0.018 χ^2/NDF: 23.4/27

Left In: 0.007+/-0.014 χ^2/NDF:11.3/22

Left: -0.018+/-0.010 χ^2/NDF: 36.8/46

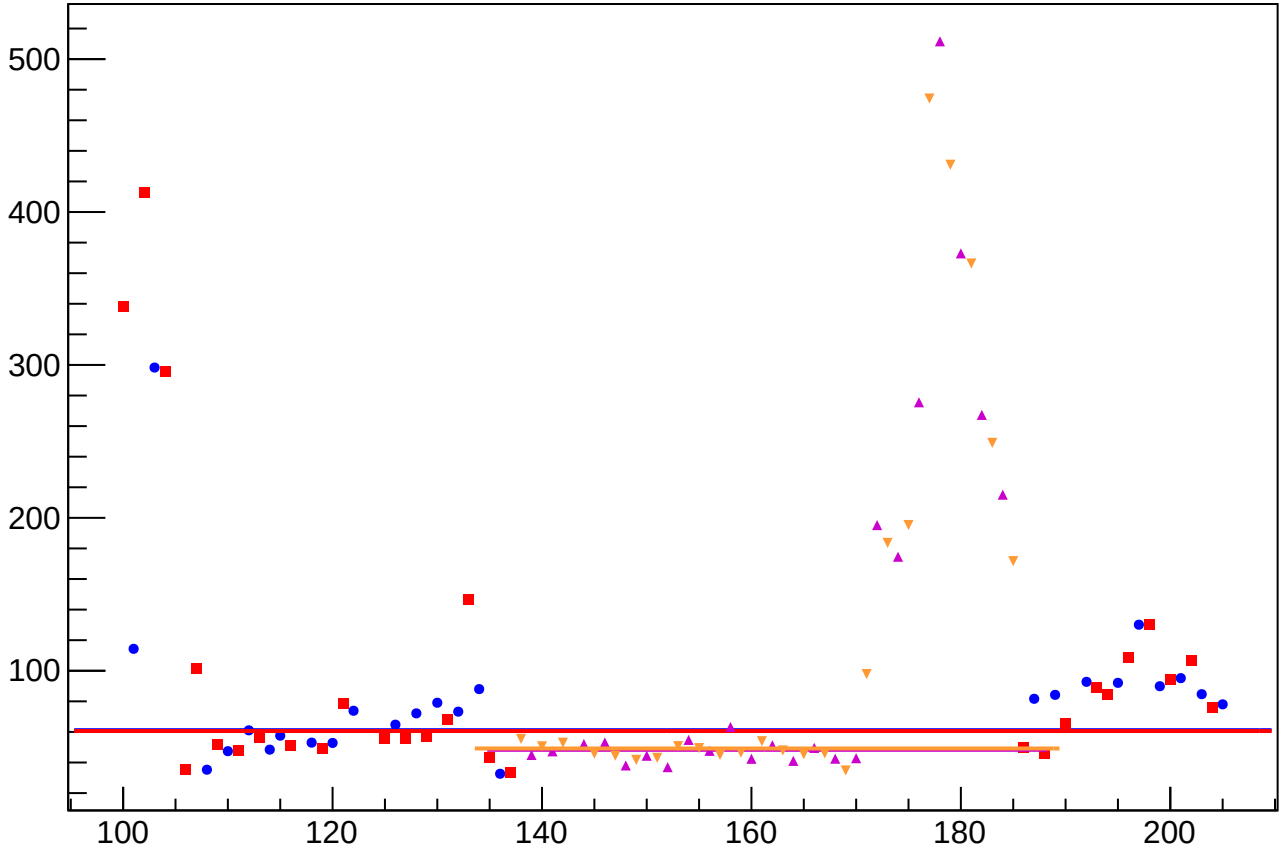
Right: 0.001+/-0.013 χ^2/NDF: 38.7/52

In: 0.010+/-0.011 χ^2/NDF:25.4/47

Out: -0.033+/-0.011 χ^2/NDF:43.8/51

All: -0.011+/-0.008 χ^2/NDF: 76.8/99

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.133+/-0.013 χ^2/NDF: 4200408.1/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

Right Out: 60.595+/-0.013 χ^2/NDF: 4270097.0/27

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

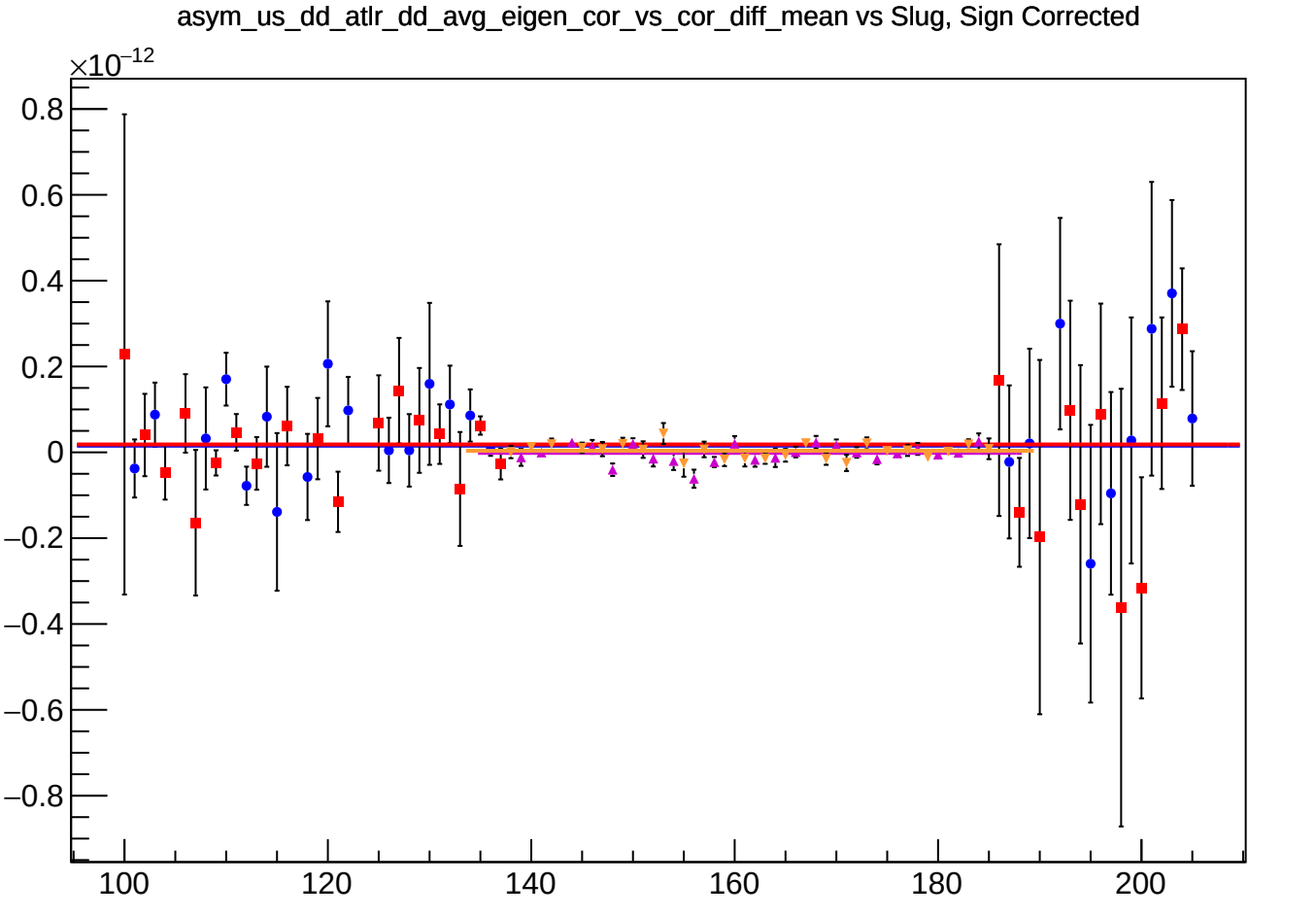
Left: 48.731+/-0.007 χ^2/NDF: 14294736.5/46

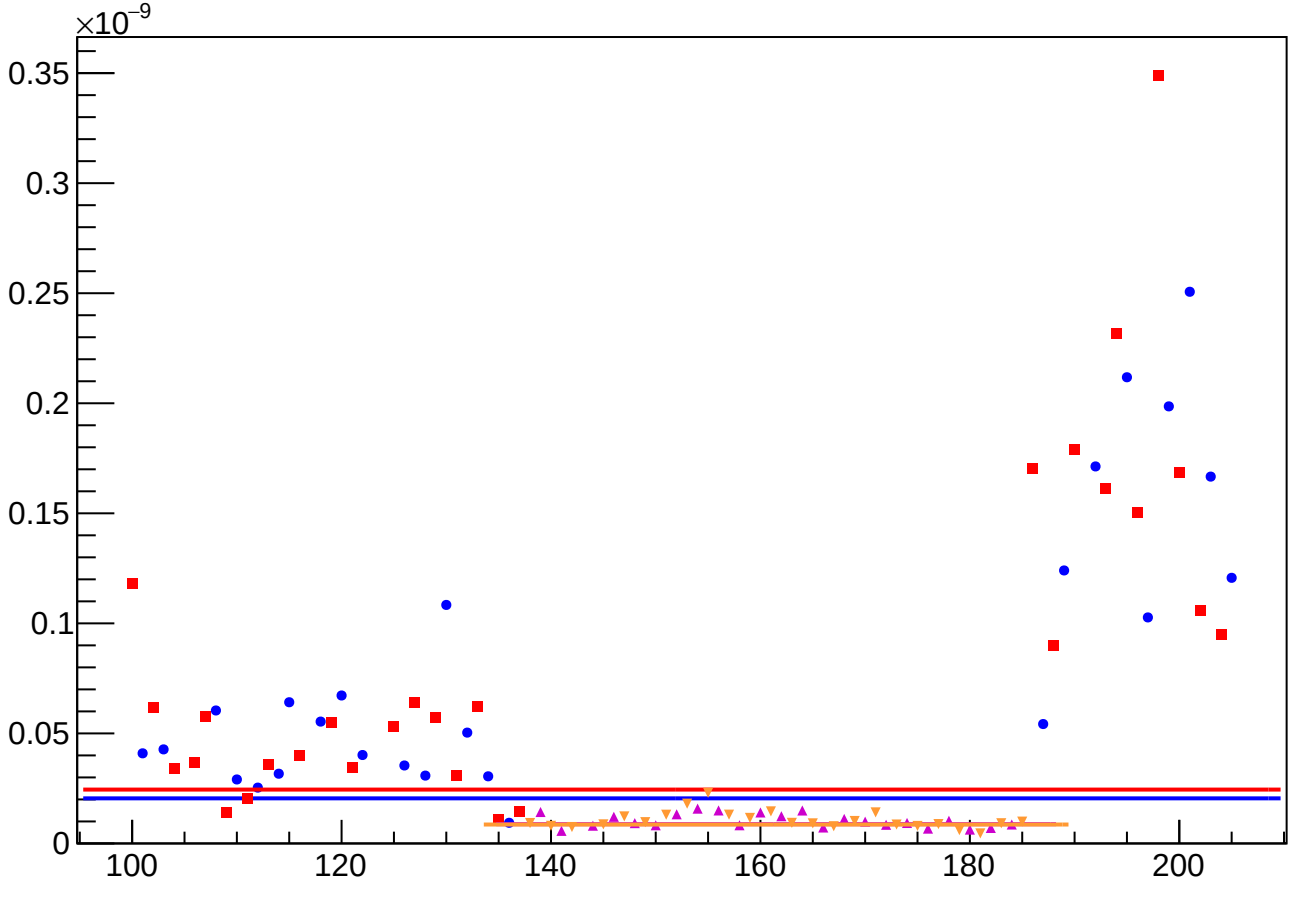
Right: 60.856+/-0.009 χ^2/NDF: 8471355.2/52

In: 52.701+/-0.008 χ^2/NDF:11857397.3/47

Out: 53.402+/-0.008 χ^2/NDF:12018795.4/51

All: 53.049+/-0.006 χ^2/NDF: 23880256.5/99


asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 26.1/24
Left Out: 0.000+/-0.000 χ²/NDF:24.6/23
Right Out: 0.000+/-0.000 χ²/NDF: 26.5/27
Left In: -0.000+/-0.000 χ²/NDF:40.0/22
Left: 0.000+/-0.000 χ²/NDF: 66.3/46
Right: 0.000+/-0.000 χ²/NDF: 52.6/52
In: -0.000+/-0.000 χ²/NDF:68.3/47
Out: 0.000+/-0.000 χ²/NDF:52.4/51
All: 0.000+/-0.000 χ²/NDF: 122.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 9105199.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8132303.6/27

Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

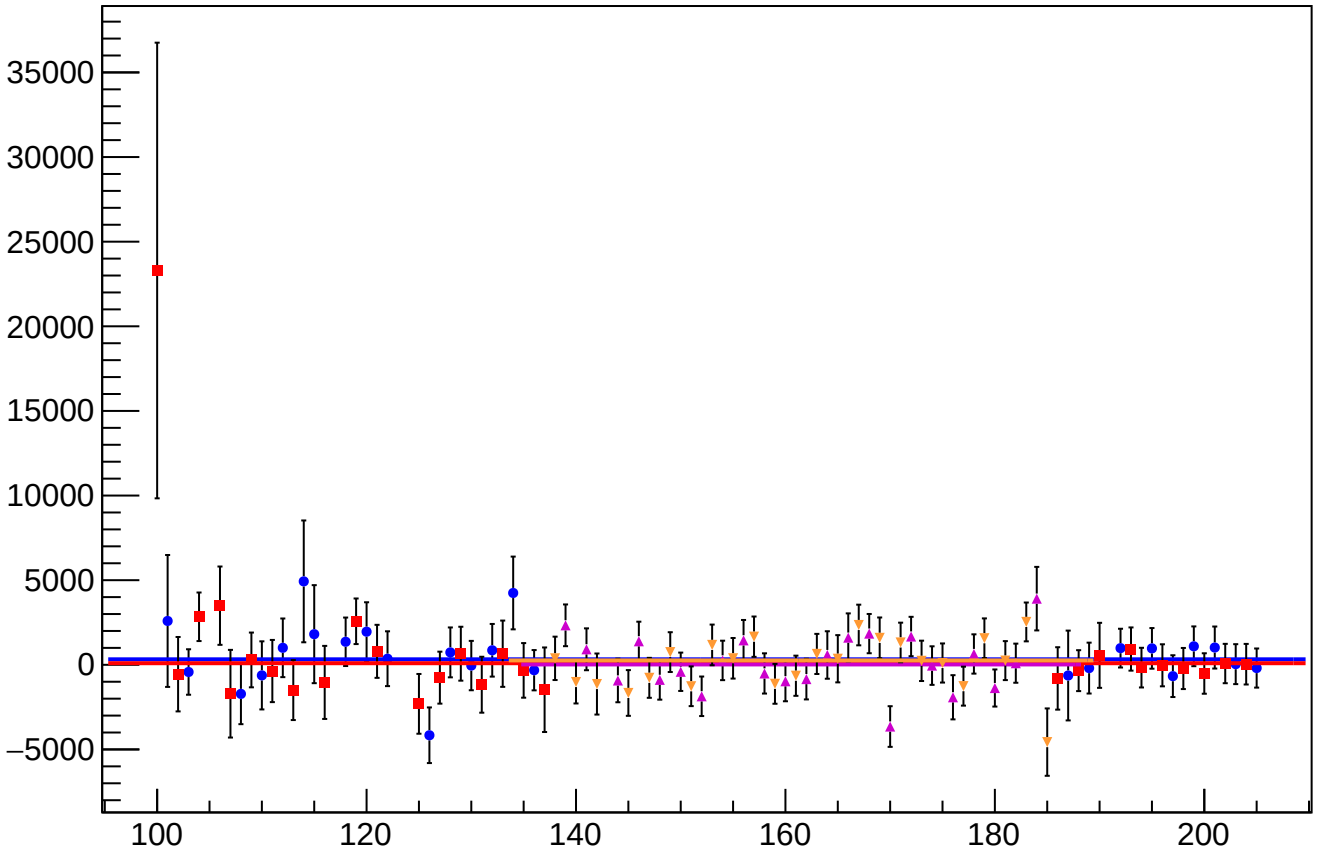
Left: 0.000+/-0.000 χ^2/NDF: 4458320.3/46

Right: 0.000+/-0.000 χ^2/NDF: 17352128.2/52

In: 0.000+/-0.000 χ^2/NDF:13134517.5/47

Out: 0.000+/-0.000 χ^2/NDF:13799945.1/51

All: 0.000+/-0.000 χ^2/NDF: 26935843.8/99



Right In: 324.496+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: 94.751+/-294.015 χ^2/NDF: 18.8/27

Left In: 22.368+/-253.332 χ^2/NDF:35.8/22

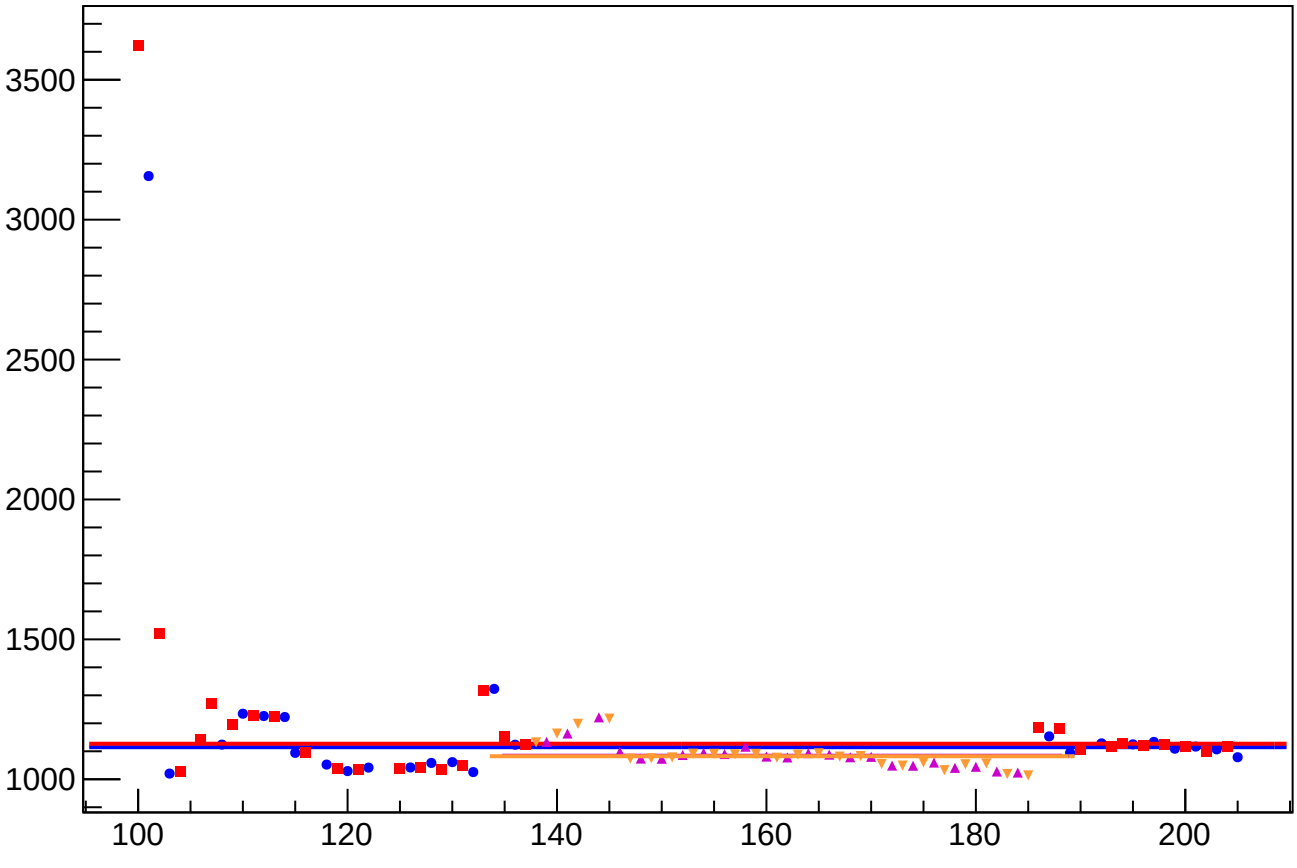
Left: 142.421+/-178.446 χ^2/NDF: 64.5/46

Right: 207.164+/-210.113 χ^2/NDF: 38.5/52

In: 147.946+/-193.655 χ^2/NDF:55.9/47

Out: 190.584+/-191.074 χ^2/NDF:47.2/51

All: 169.551+/-136.013 χ^2/NDF: 103.1/99



Right In: 1114.608+/-0.212 χ^2/NDF: 627139.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1127.029+/-0.208 χ^2/NDF: 230111.1/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

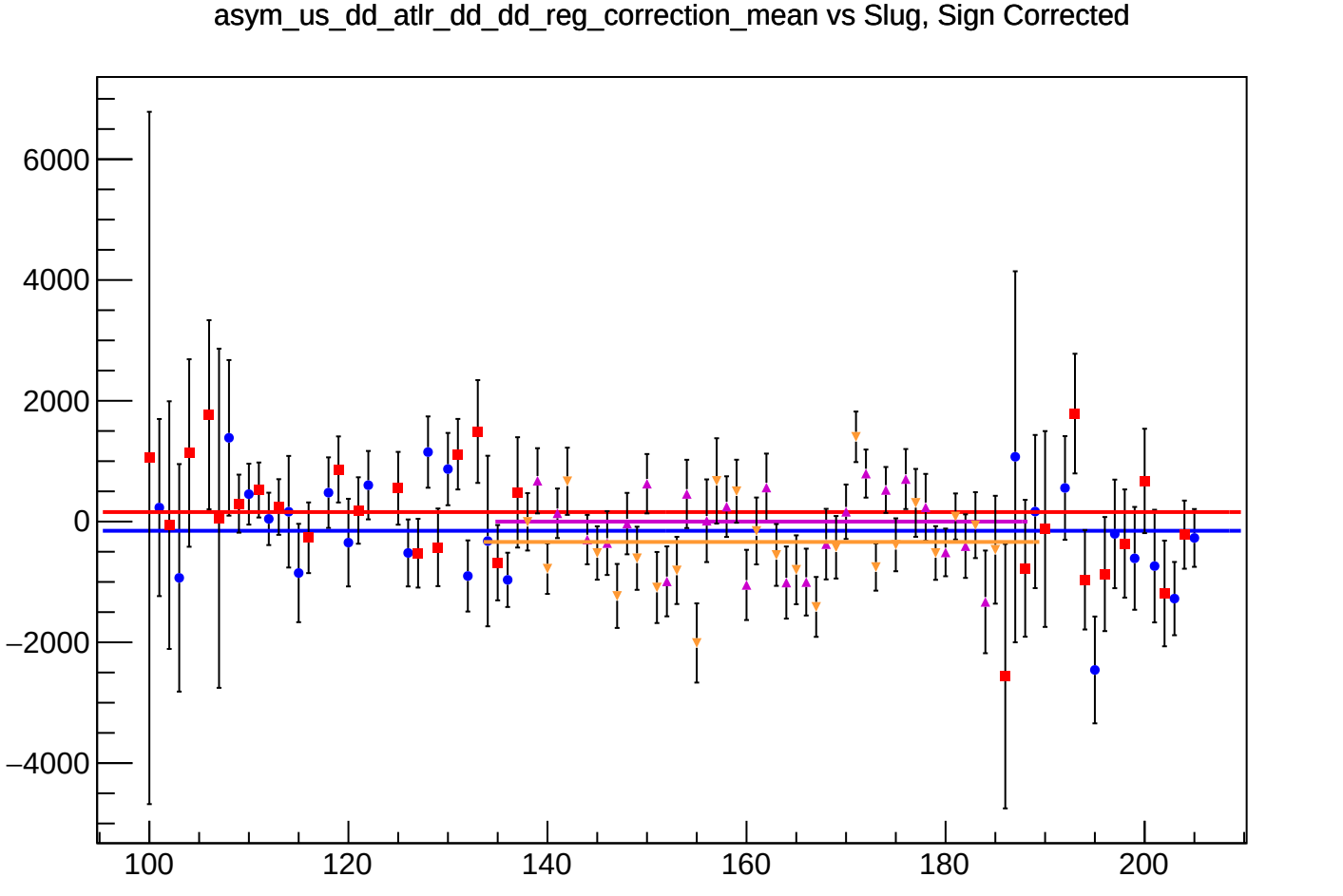
Left: 1083.230+/-0.126 χ^2/NDF: 111366.1/46

Right: 1120.952+/-0.149 χ^2/NDF: 858996.6/52

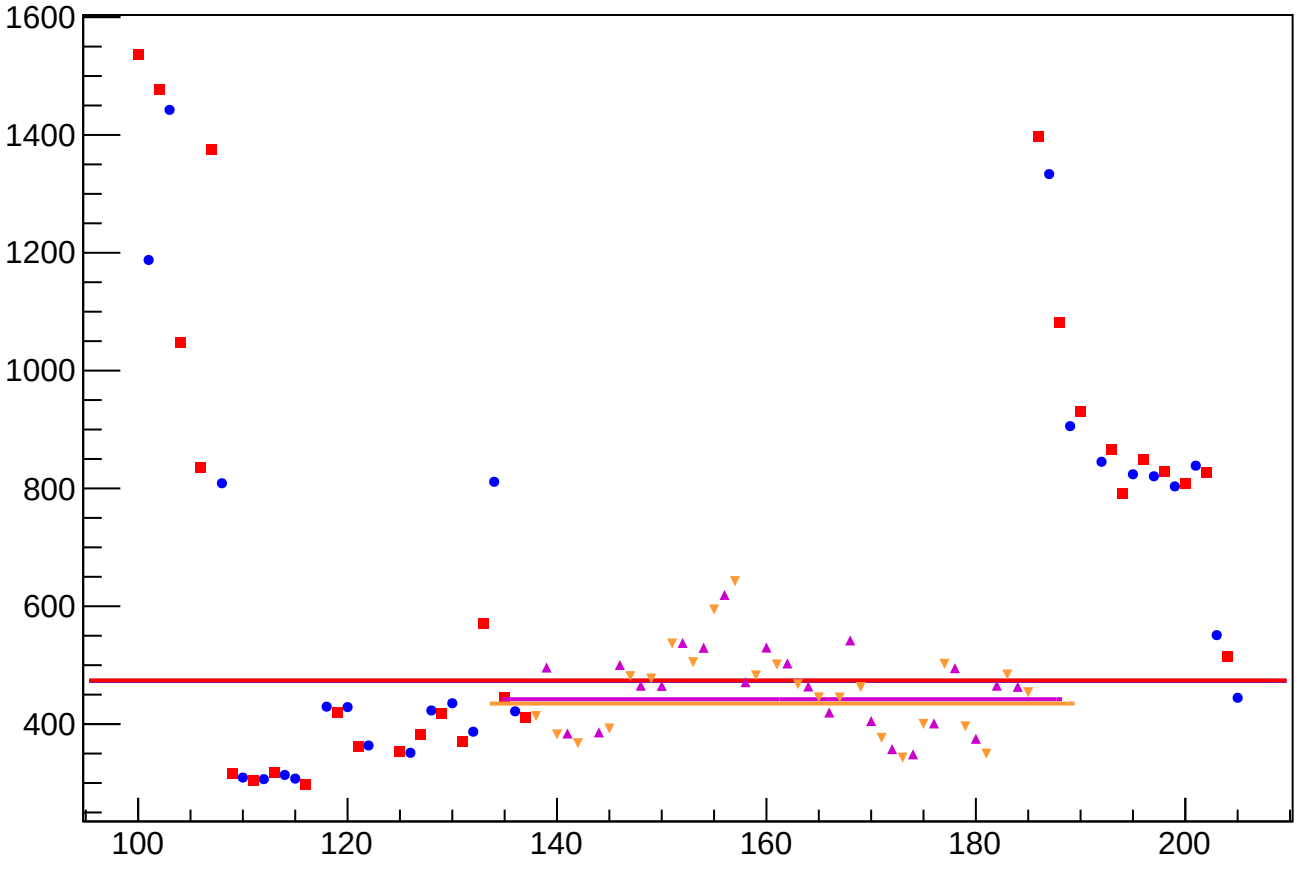
In: 1096.819+/-0.137 χ^2/NDF:692581.9/47

Out: 1101.195+/-0.135 χ^2/NDF:314713.5/51

All: 1099.037+/-0.096 χ^2/NDF: 1007812.9/99


asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -152.852+/-137.777 χ²/NDF: 32.2/24
Left Out: -337.727+/-102.601 χ²/NDF:48.8/23
Right Out: 157.298+/-137.353 χ²/NDF: 25.7/27
Left In: -0.547+/-104.733 χ²/NDF:31.9/22
Left: -172.603+/-73.292 χ²/NDF: 85.9/46
Right: 2.700+/-97.273 χ²/NDF: 60.4/52
In: -56.325+/-83.378 χ²/NDF:64.8/47
Out: -160.435+/-82.200 χ²/NDF:82.8/51
All: -109.120+/-58.536 χ²/NDF: 148.4/99

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 473.456+/-0.097 χ^2/NDF: 4212391.5/24

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 474.048+/-0.097 χ^2/NDF: 5354410.3/27

Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

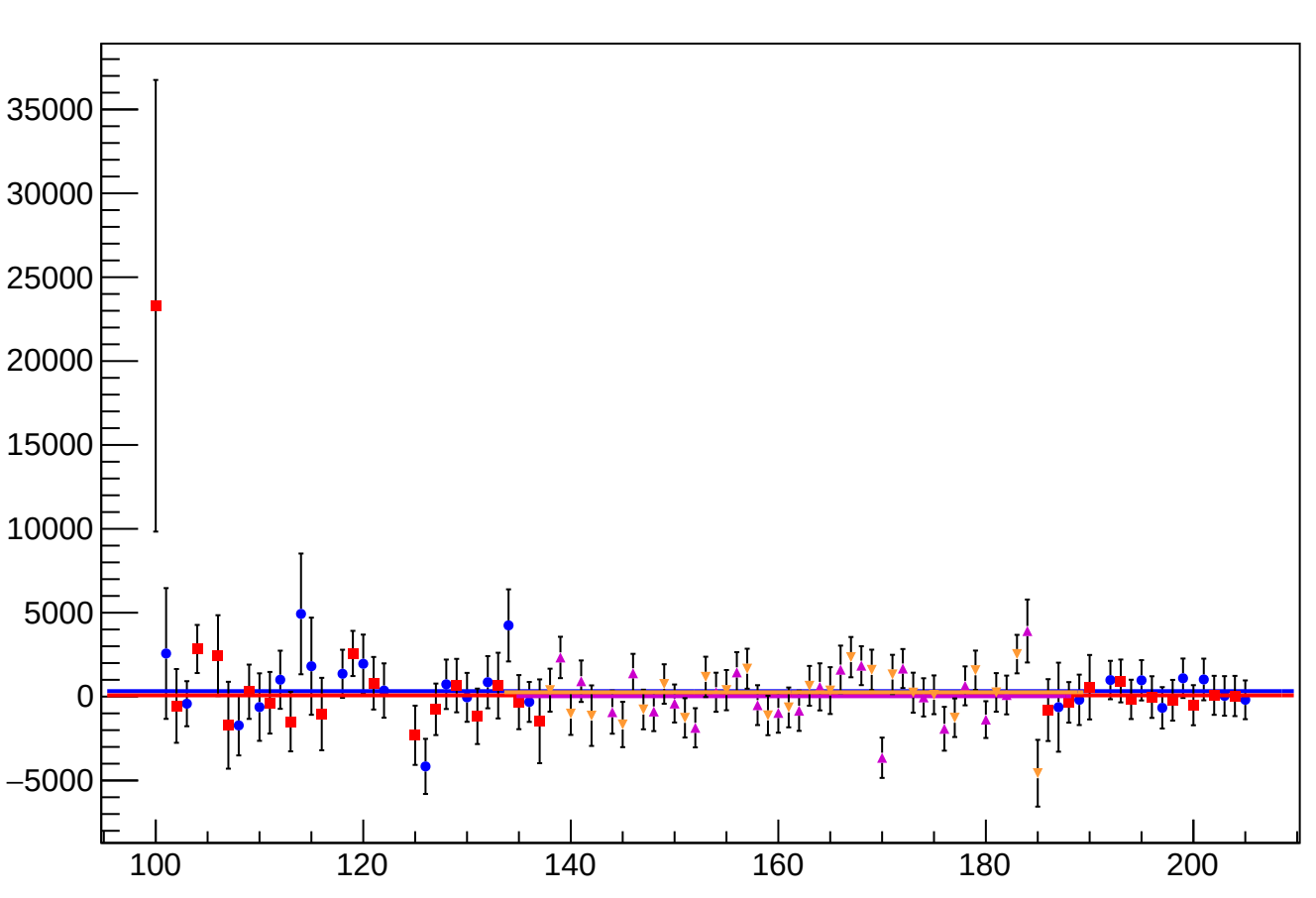
Left: 438.458+/-0.052 χ^2/NDF: 1709415.0/46

Right: 473.753+/-0.069 χ^2/NDF: 9566820.4/52

In: 453.652+/-0.059 χ^2/NDF:5103562.3/47

Out: 448.894+/-0.058 χ^2/NDF:6337330.0/51

All: 451.239+/-0.041 χ^2/NDF: 11444195.2/99



Right In: 324.356+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 74.785+/-294.198 χ^2/NDF: 17.6/27

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

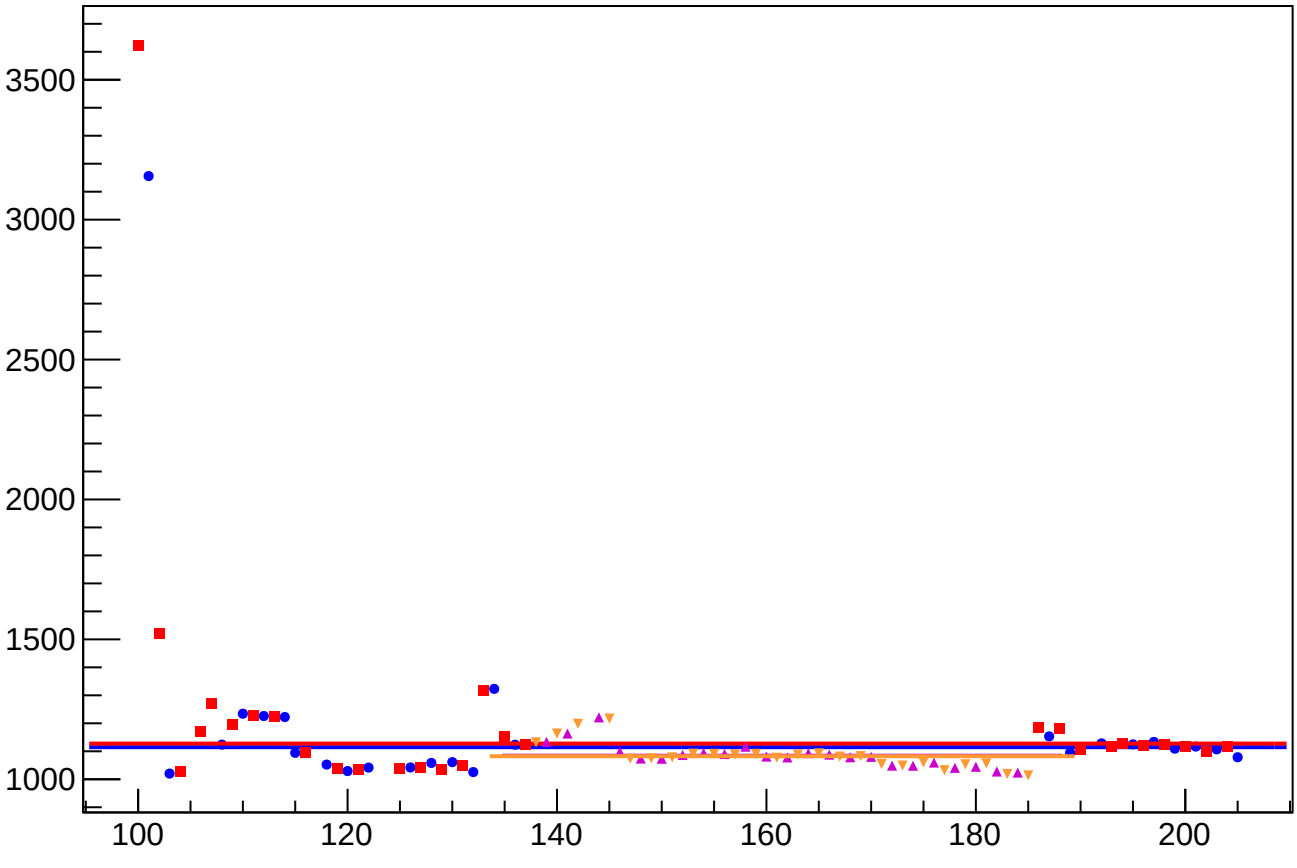
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 196.977+/-210.180 χ^2/NDF: 37.4/52

In: 147.884+/-193.655 χ^2/NDF:55.9/47

Out: 182.201+/-191.124 χ^2/NDF:46.0/51

All: 165.268+/-136.031 χ^2/NDF: 101.9/99



Right In: 1114.608+/-0.212 χ^2/NDF: 627140.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1127.480+/-0.208 χ^2/NDF: 230729.3/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

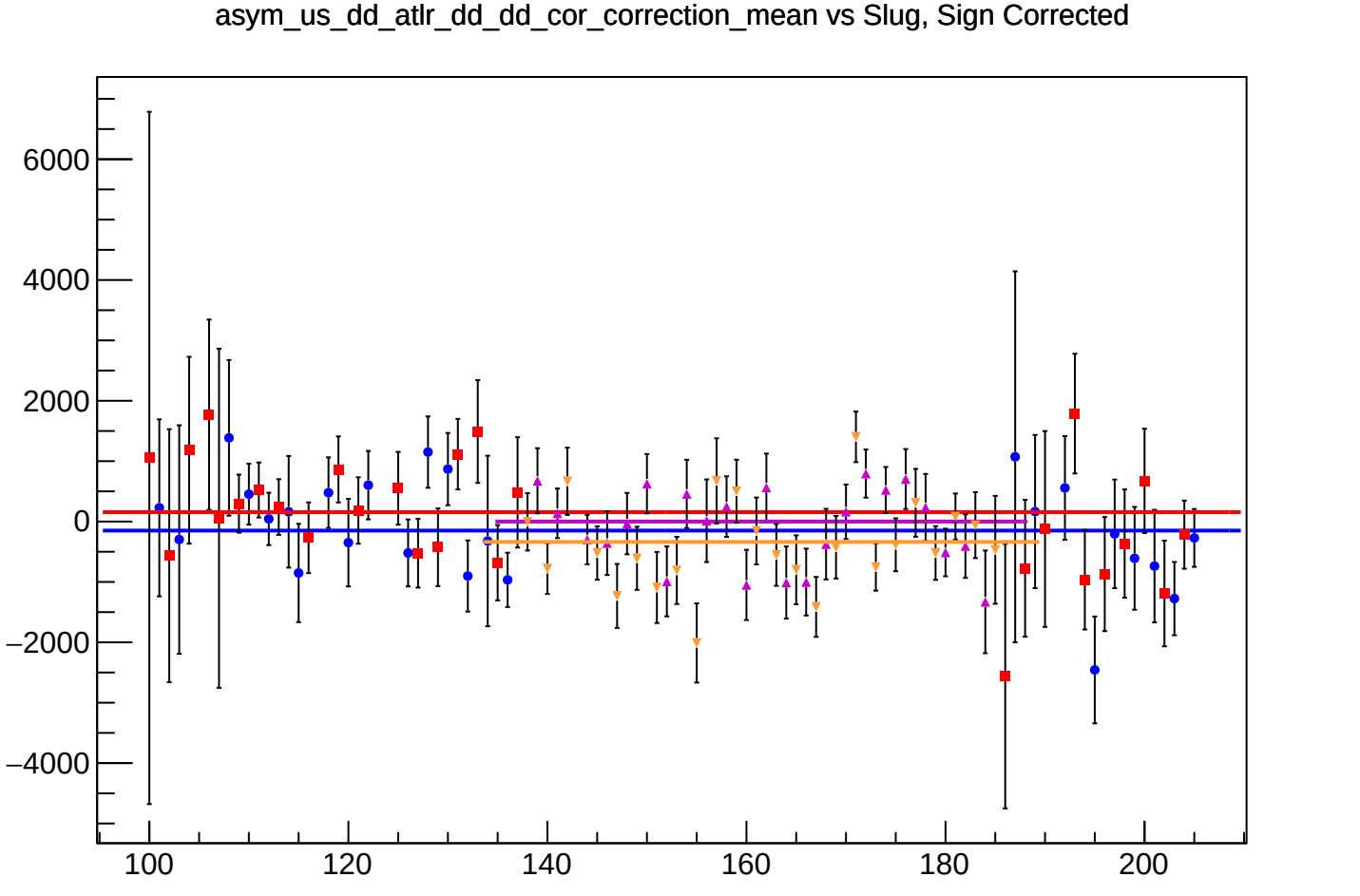
Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

Right: 1121.178+/-0.149 χ^2/NDF: 859743.8/52

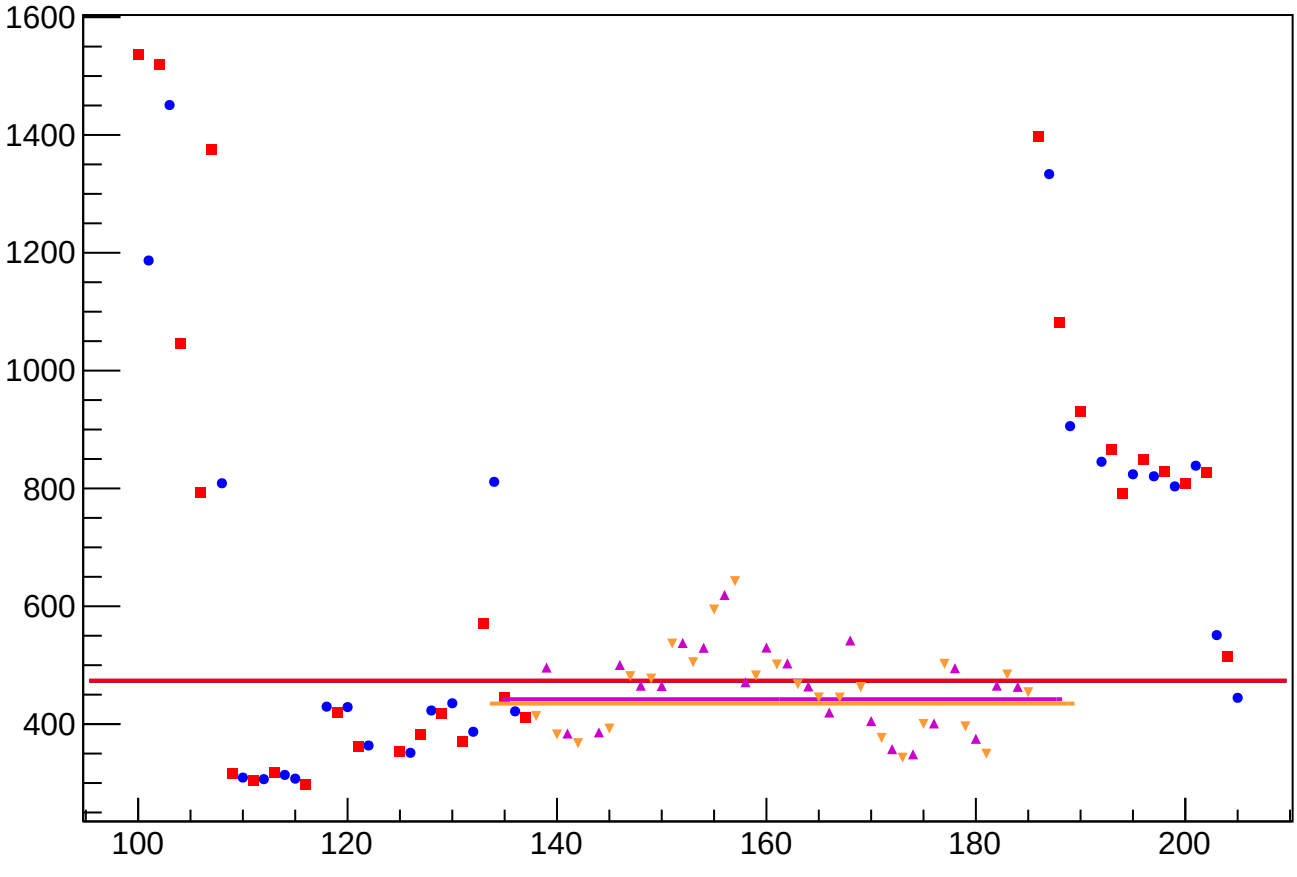
In: 1096.819+/-0.137 χ^2/NDF:692582.8/47

Out: 1101.372+/-0.135 χ^2/NDF:315854.1/51

All: 1099.126+/-0.096 χ^2/NDF: 1008996.9/99


asym_us_dd_atlr_dd_dd_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: -149.570+/-137.778 χ²/NDF: 32.0/24
Left Out: -337.816+/-102.601 χ²/NDF:48.8/23
Right Out: 155.470+/-137.369 χ²/NDF: 25.8/27
Left In: -0.567+/-104.733 χ²/NDF:31.9/22
Left: -172.659+/-73.292 χ²/NDF: 85.9/46
Right: 3.403+/-97.279 χ²/NDF: 60.3/52
In: -55.135+/-83.378 χ²/NDF:64.6/47
Out: -161.174+/-82.203 χ²/NDF:82.9/51
All: -108.907+/-58.537 χ²/NDF: 148.3/99

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 473.449+/-0.097 χ^2/NDF: 4216204.6/24

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 473.709+/-0.097 χ^2/NDF: 5348999.4/27

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

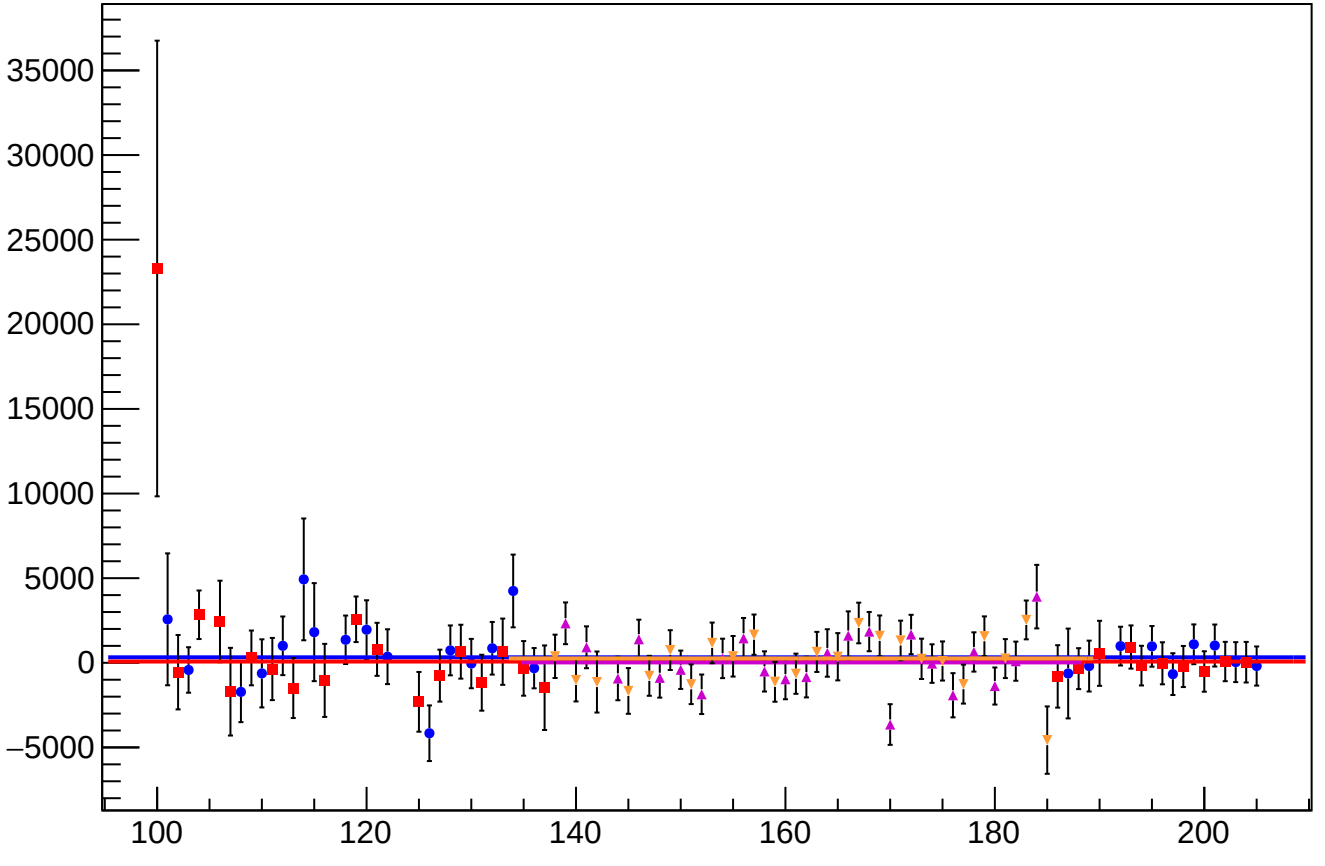
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 473.579+/-0.069 χ^2/NDF: 9565207.6/52

In: 453.650+/-0.059 χ^2/NDF:5107213.1/47

Out: 448.769+/-0.058 χ^2/NDF:6330209.7/51

All: 451.175+/-0.041 χ^2/NDF: 11440898.7/99



Right In: 324.356+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: 74.785+/-294.198 χ^2/NDF: 17.6/27

Left In: 22.362+/-253.332 χ^2/NDF:35.8/22

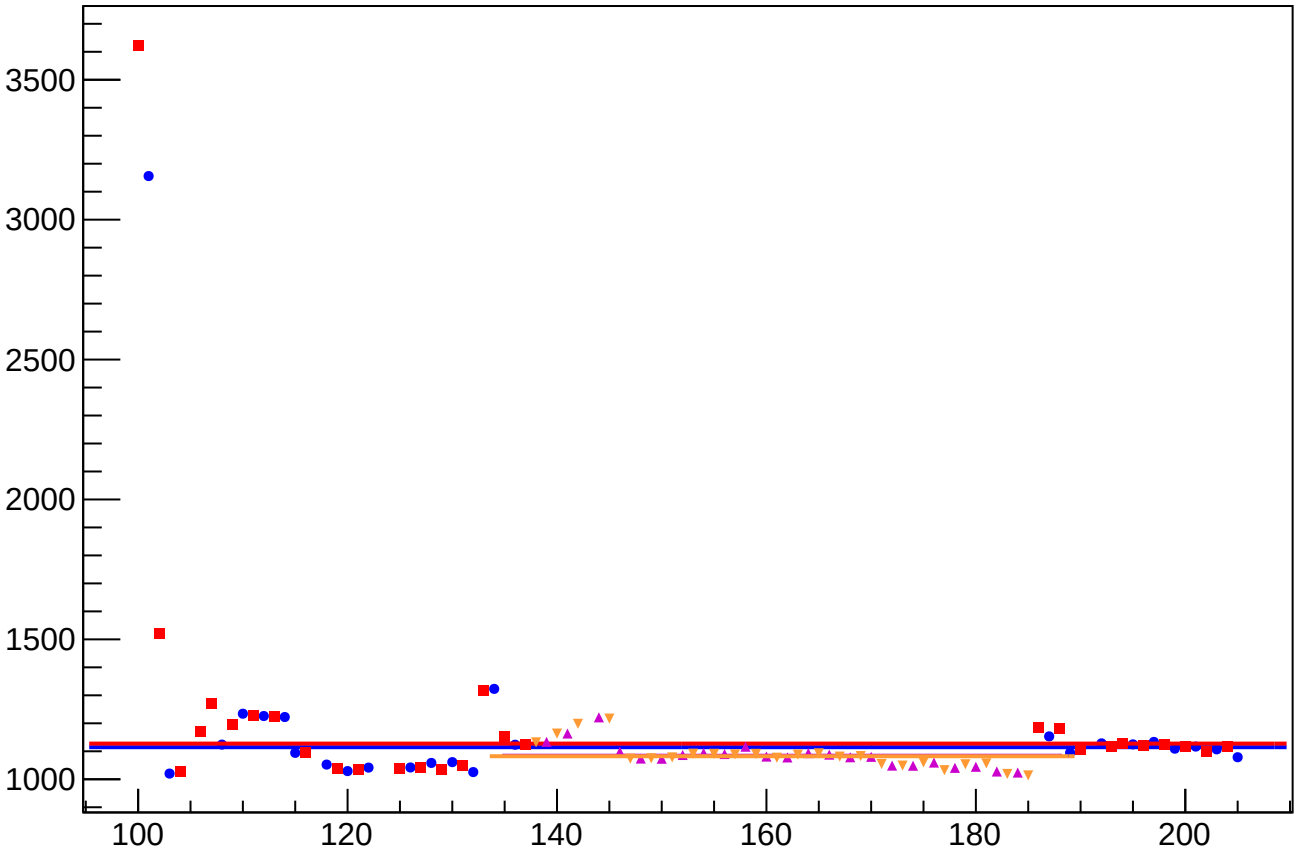
Left: 142.412+/-178.446 χ^2/NDF: 64.5/46

Right: 196.977+/-210.180 χ^2/NDF: 37.4/52

In: 147.884+/-193.655 χ^2/NDF:55.9/47

Out: 182.201+/-191.124 χ^2/NDF:46.0/51

All: 165.268+/-136.031 χ^2/NDF: 101.9/99



Right In: 1114.608+/-0.212 χ^2/NDF: 627140.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1127.480+/-0.208 χ^2/NDF: 230729.3/27

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

Left: 1083.230+/-0.126 χ^2/NDF: 111366.0/46

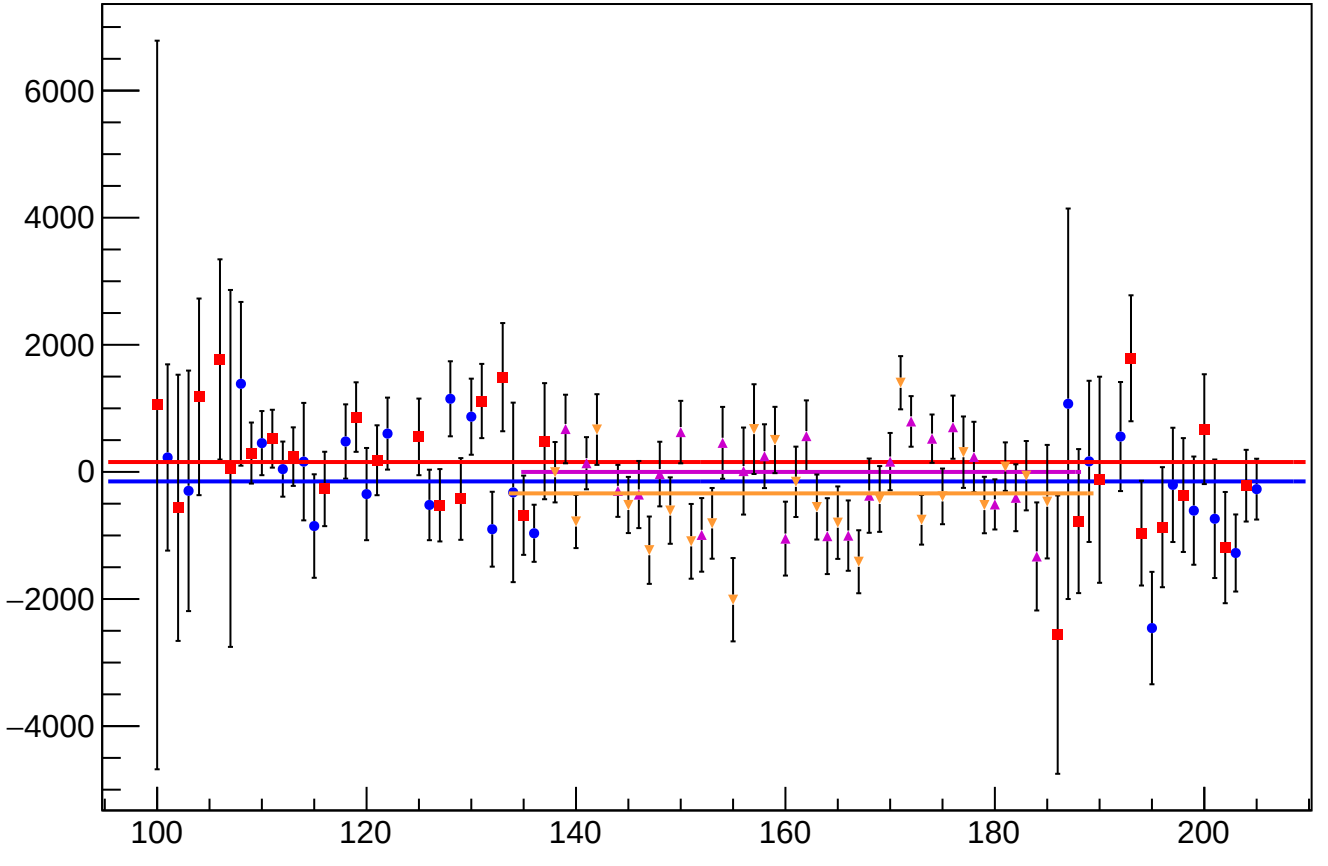
Right: 1121.178+/-0.149 χ^2/NDF: 859743.8/52

In: 1096.819+/-0.137 χ^2/NDF:692582.8/47

Out: 1101.372+/-0.135 χ^2/NDF:315854.1/51

All: 1099.126+/-0.096 χ^2/NDF: 1008996.9/99

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -149.570+/-137.778 χ^2/NDF: 32.0/24

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: 155.470+/-137.369 χ^2/NDF: 25.8/27

Left In: -0.567+/-104.733 χ^2/NDF:31.9/22

Left: -172.659+/-73.292 χ^2/NDF: 85.9/46

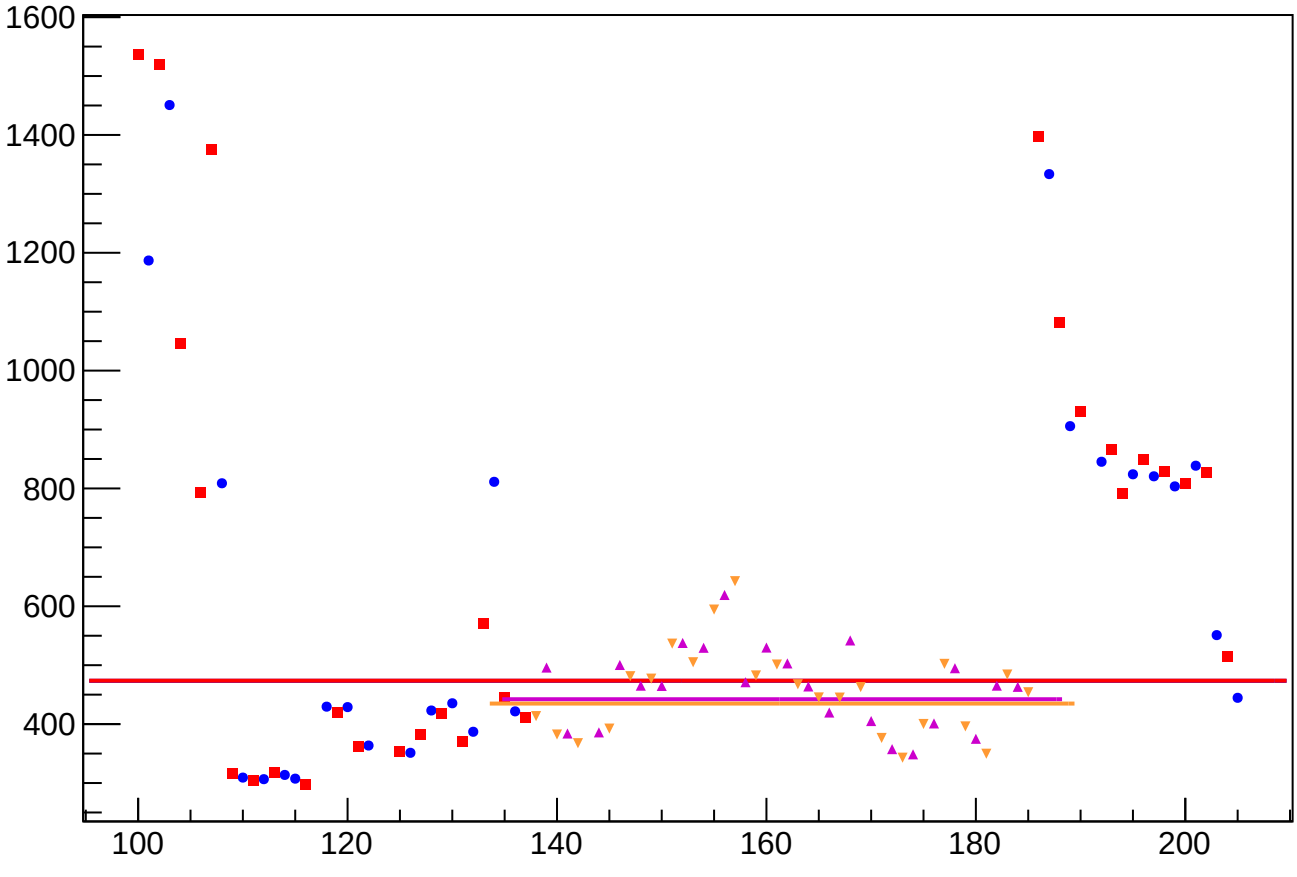
Right: 3.403+/-97.279 χ^2/NDF: 60.3/52

In: -55.135+/-83.378 χ^2/NDF:64.6/47

Out: -161.174+/-82.203 χ^2/NDF:82.9/51

All: -108.907+/-58.537 χ^2/NDF: 148.3/99

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 473.449+/-0.097 χ^2/NDF: 4216204.6/24

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 473.709+/-0.097 χ^2/NDF: 5348999.4/27

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

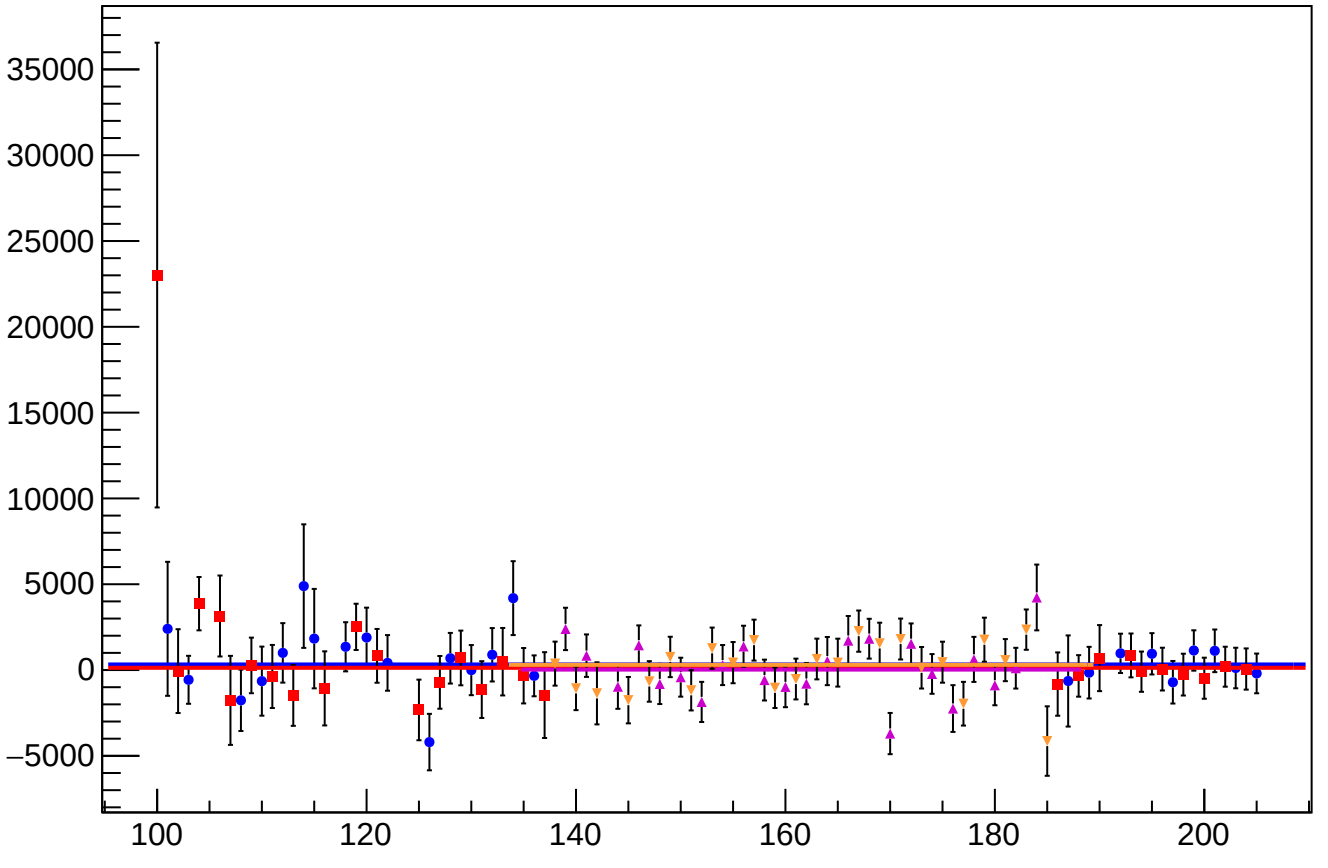
Left: 438.457+/-0.052 χ^2/NDF: 1709383.2/46

Right: 473.579+/-0.069 χ^2/NDF: 9565207.6/52

In: 453.650+/-0.059 χ^2/NDF:5107213.1/47

Out: 448.769+/-0.058 χ^2/NDF:6330209.7/51

All: 451.175+/-0.041 χ^2/NDF: 11440898.7/99



Right In: 325.208+/-301.325 χ^2/NDF: 19.6/24

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: 129.829+/-295.848 χ^2/NDF: 20.1/27

Left In: 25.319+/-256.866 χ^2/NDF:35.9/22

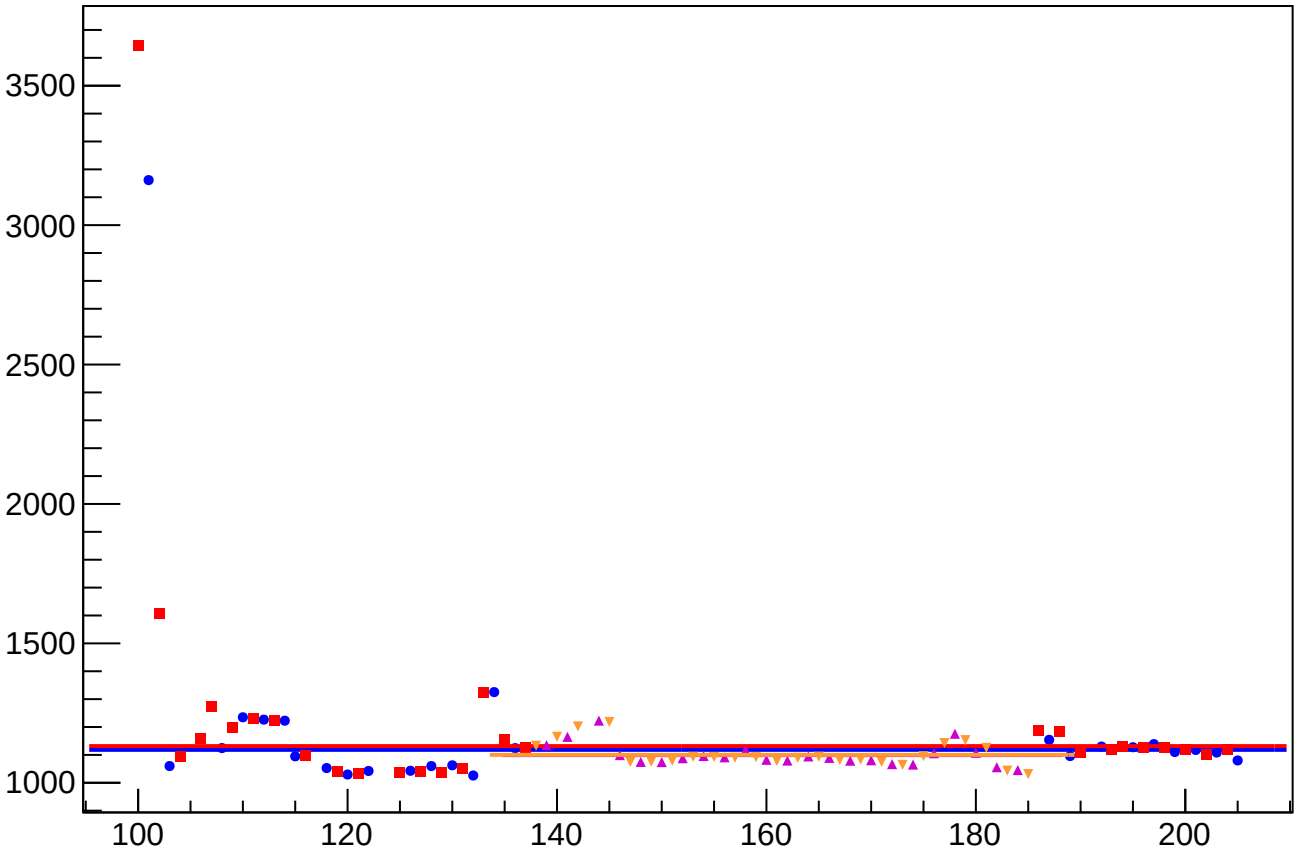
Left: 165.072+/-181.167 χ^2/NDF: 64.9/46

Right: 225.727+/-211.106 χ^2/NDF: 39.9/52

In: 151.528+/-195.479 χ^2/NDF:56.1/47

Out: 229.232+/-193.394 χ^2/NDF:48.8/51

All: 190.797+/-137.482 χ^2/NDF: 104.9/99



Right In: 1118.168+/-0.213 χ^2/NDF: 621205.6/24

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

Right Out: 1131.569+/-0.209 χ^2/NDF: 235378.5/27

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

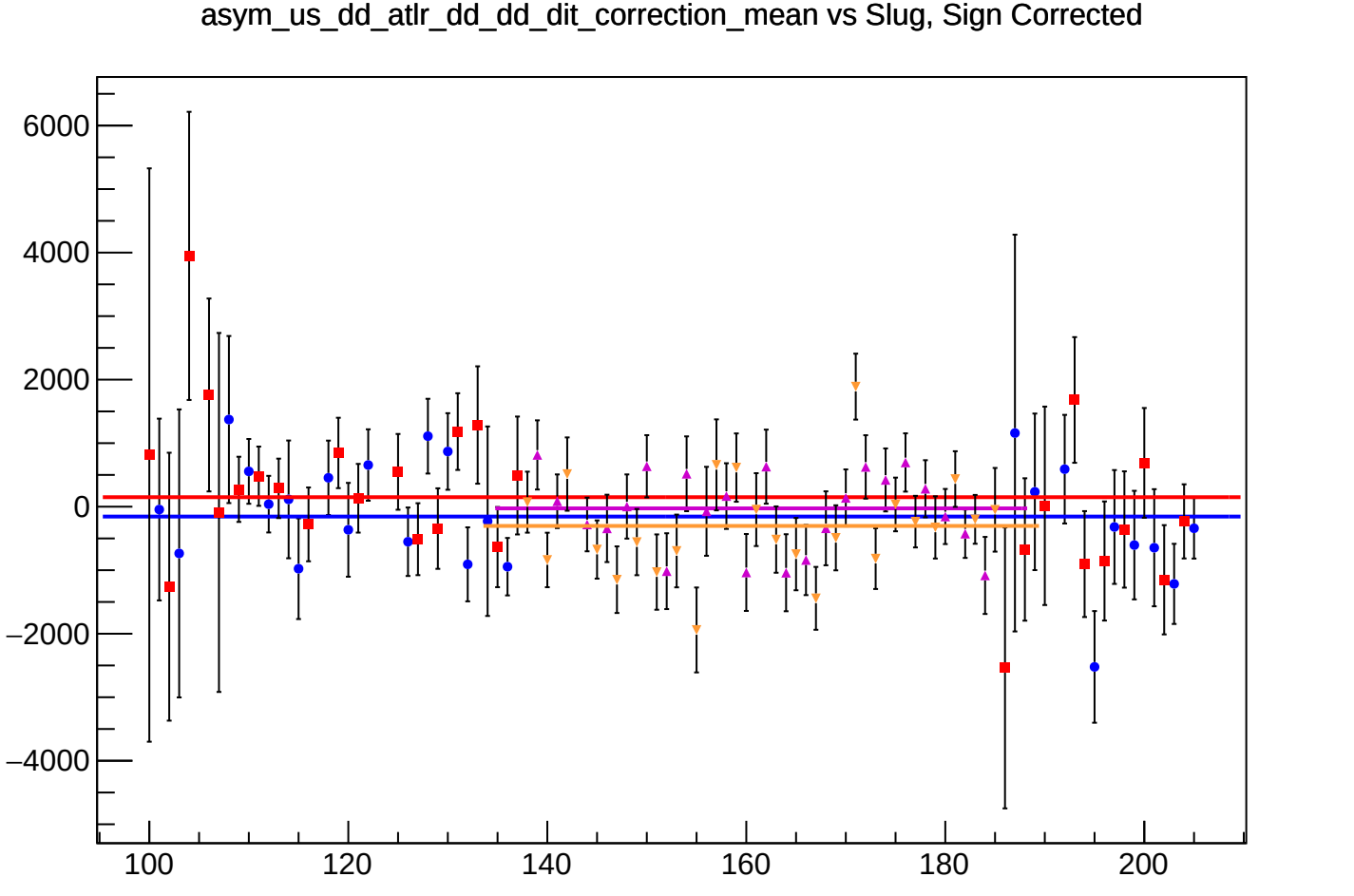
Left: 1099.802+/-0.128 χ^2/NDF: 93572.4/46

Right: 1124.992+/-0.149 χ^2/NDF: 858598.2/52

In: 1107.265+/-0.138 χ^2/NDF:670512.8/47

Out: 1113.638+/-0.137 χ^2/NDF:296982.0/51

All: 1110.486+/-0.097 χ^2/NDF: 968568.9/99



Right In: -155.560+/-138.277 χ^2/NDF: 32.6/24

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: 149.301+/-139.387 χ^2/NDF: 26.3/27

Left In: -26.740+/-105.420 χ^2/NDF:27.9/22

Left: -168.216+/-73.665 χ^2/NDF: 80.9/46

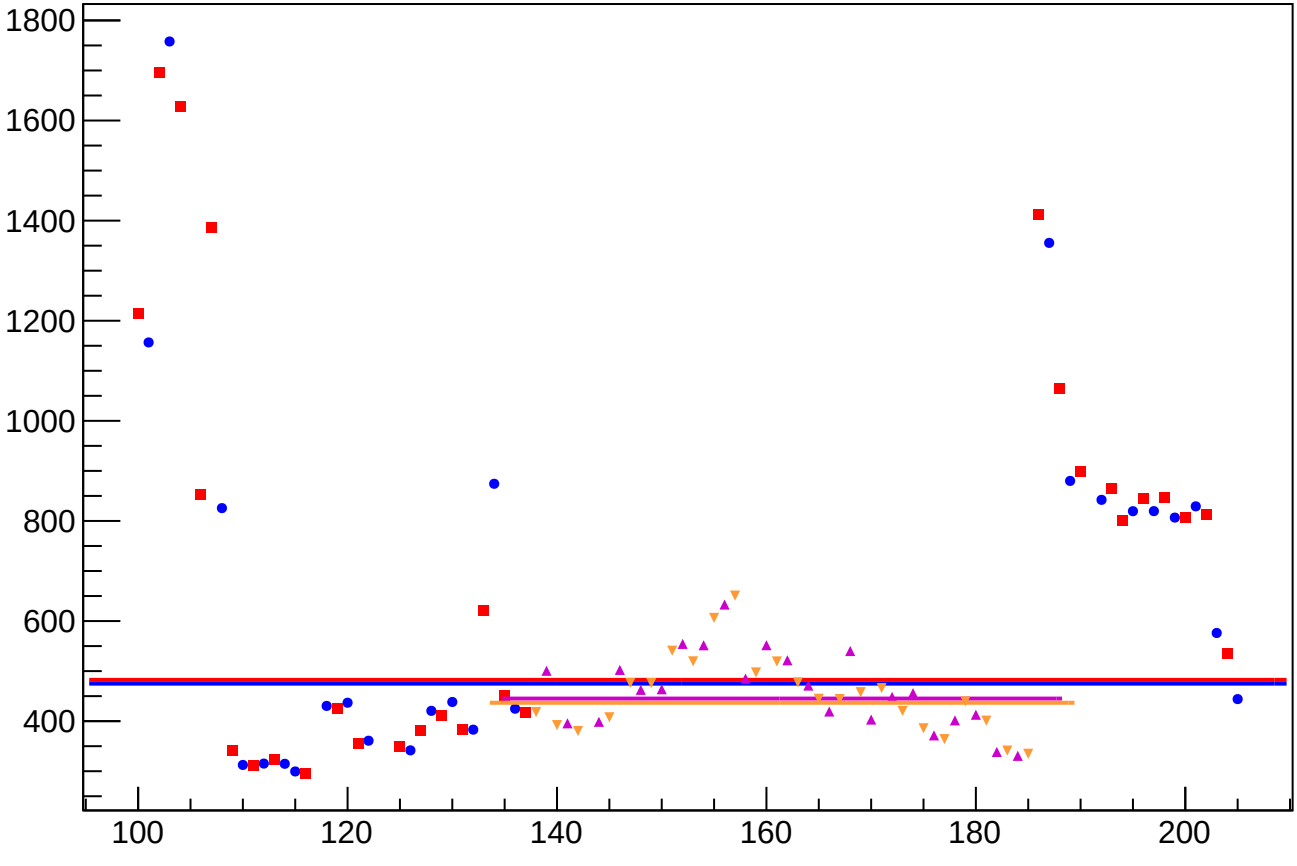
Right: -4.347+/-98.167 χ^2/NDF: 61.3/52

In: -74.092+/-83.835 χ^2/NDF:61.0/47

Out: -143.433+/-82.827 χ^2/NDF:82.7/51

All: -109.182+/-58.921 χ^2/NDF: 144.0/99

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 474.996+/-0.098 χ^2/NDF: 4321412.5/24

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 482.480+/-0.099 χ^2/NDF: 5674671.3/27

Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

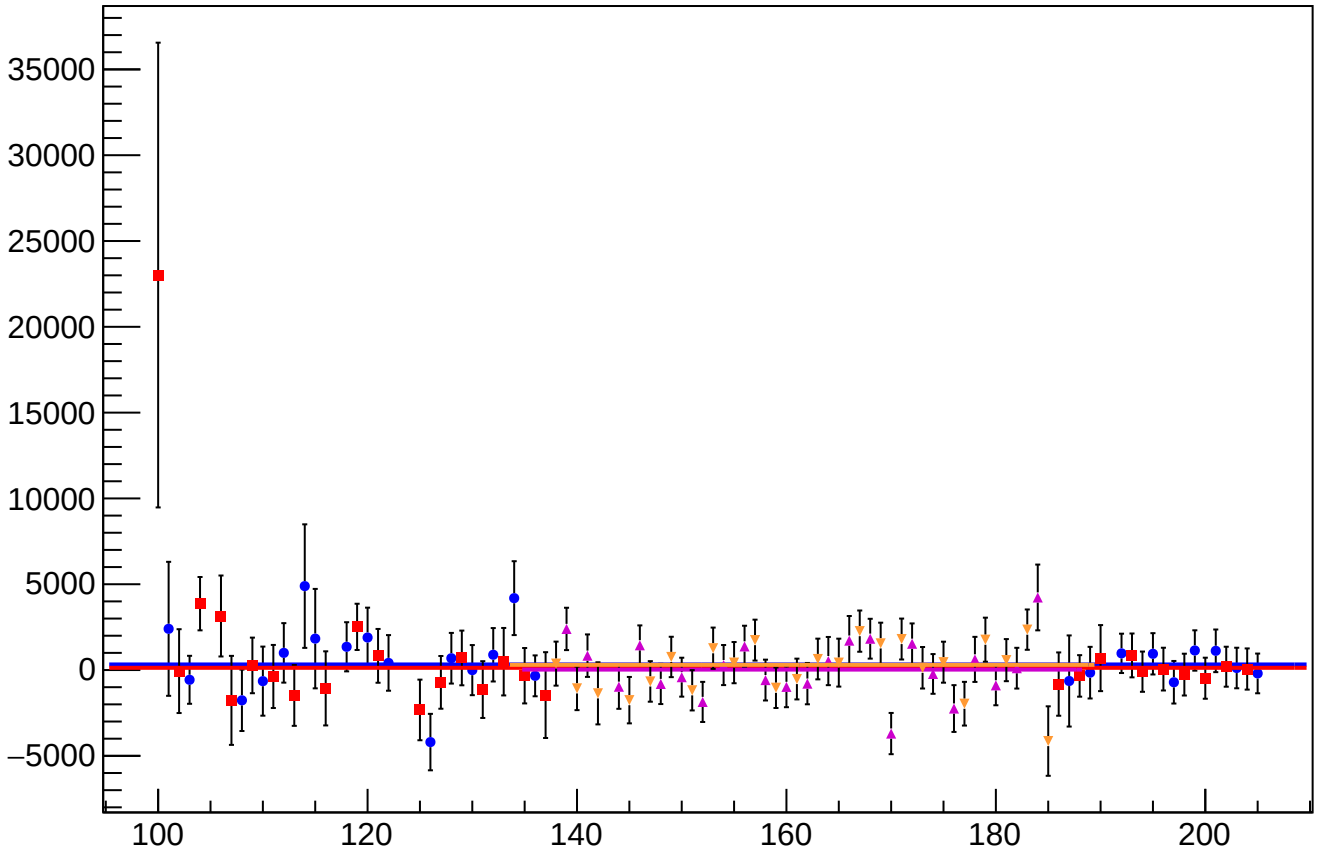
Left: 440.850+/-0.052 χ^2/NDF: 1736118.5/46

Right: 478.708+/-0.069 χ^2/NDF: 9998989.7/52

In: 456.095+/-0.059 χ^2/NDF:5255035.0/47

Out: 452.921+/-0.059 χ^2/NDF:6668911.8/51

All: 454.489+/-0.042 χ^2/NDF: 11925397.1/99



Right In: 325.210+/-301.325 χ^2/NDF: 19.6/24

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: 129.828+/-295.848 χ^2/NDF: 20.1/27

Left In: 25.320+/-256.866 χ^2/NDF:35.9/22

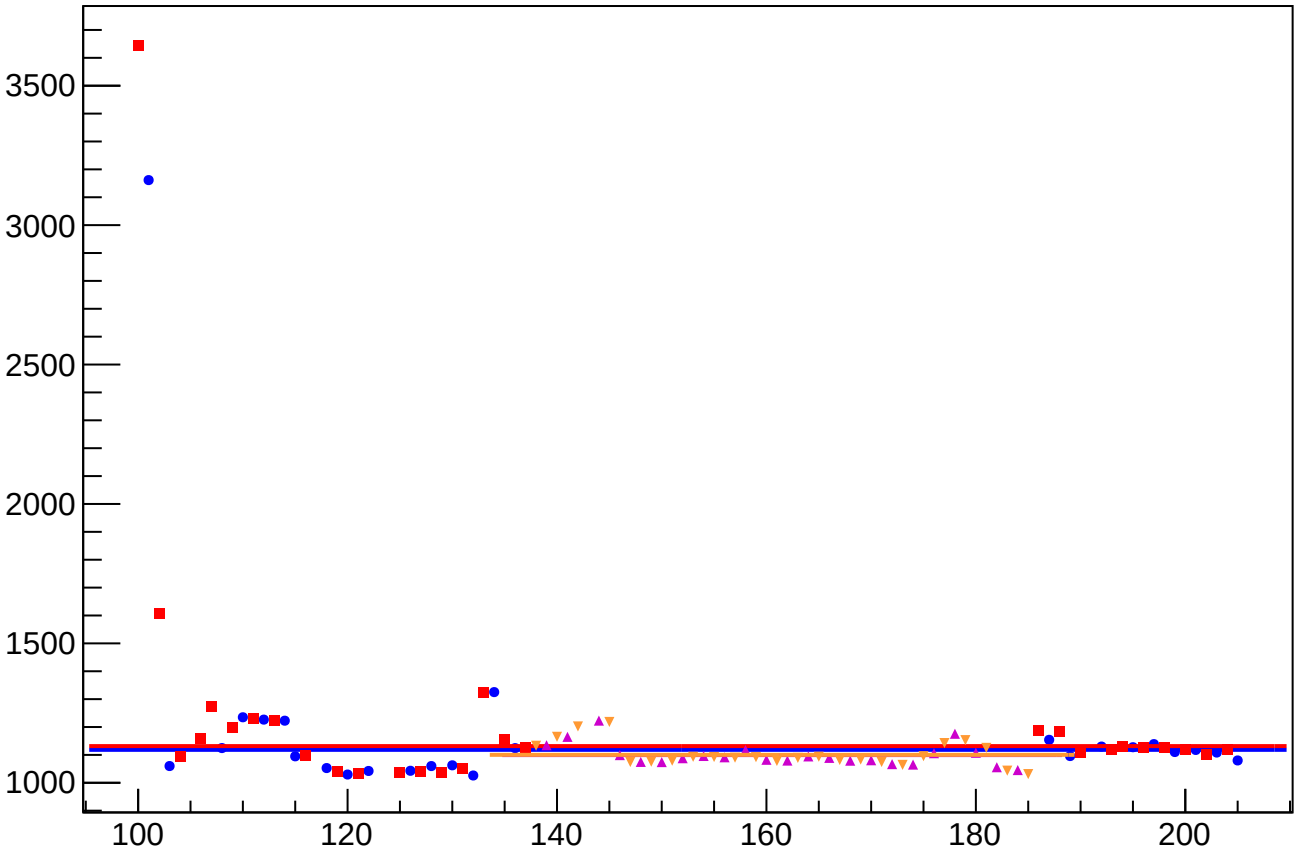
Left: 165.071+/-181.167 χ^2/NDF: 64.9/46

Right: 225.728+/-211.106 χ^2/NDF: 39.9/52

In: 151.530+/-195.479 χ^2/NDF:56.1/47

Out: 229.231+/-193.394 χ^2/NDF:48.8/51

All: 190.797+/-137.482 χ^2/NDF: 104.9/99



Right In: 1118.169+/-0.213 χ^2/NDF: 621205.6/24

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

Right Out: 1131.569+/-0.209 χ^2/NDF: 235378.6/27

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

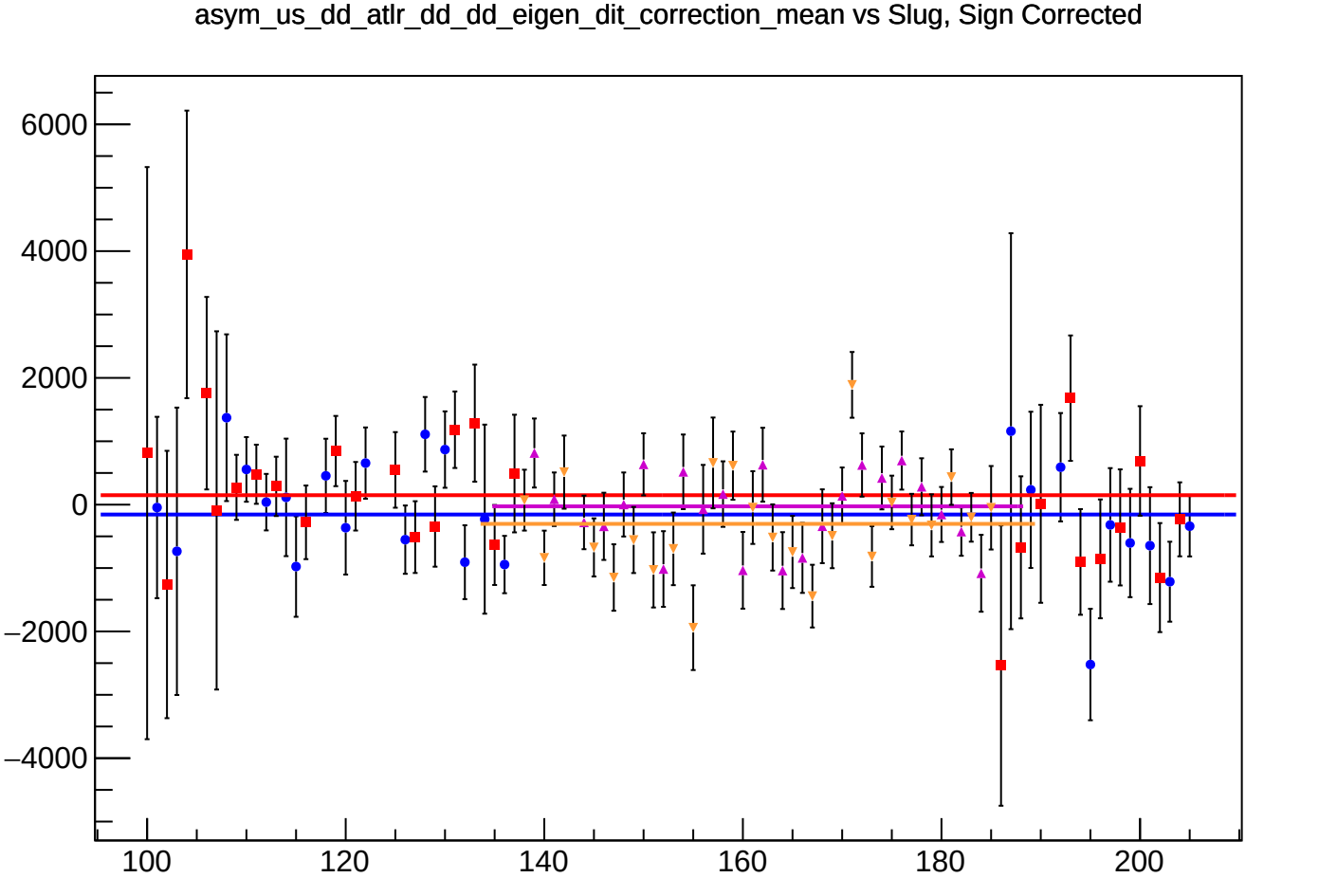
Left: 1099.802+/-0.128 χ^2/NDF: 93572.8/46

Right: 1124.992+/-0.149 χ^2/NDF: 858598.2/52

In: 1107.265+/-0.138 χ^2/NDF:670512.9/47

Out: 1113.638+/-0.137 χ^2/NDF:296982.2/51

All: 1110.486+/-0.097 χ^2/NDF: 968569.3/99



Right In: -155.561+/-138.277 χ^2/NDF: 32.6/24

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

Right Out: 149.301+/-139.386 χ^2/NDF: 26.3/27

Left In: -26.739+/-105.420 χ^2/NDF:27.9/22

Left: -168.217+/-73.665 χ^2/NDF: 80.9/46

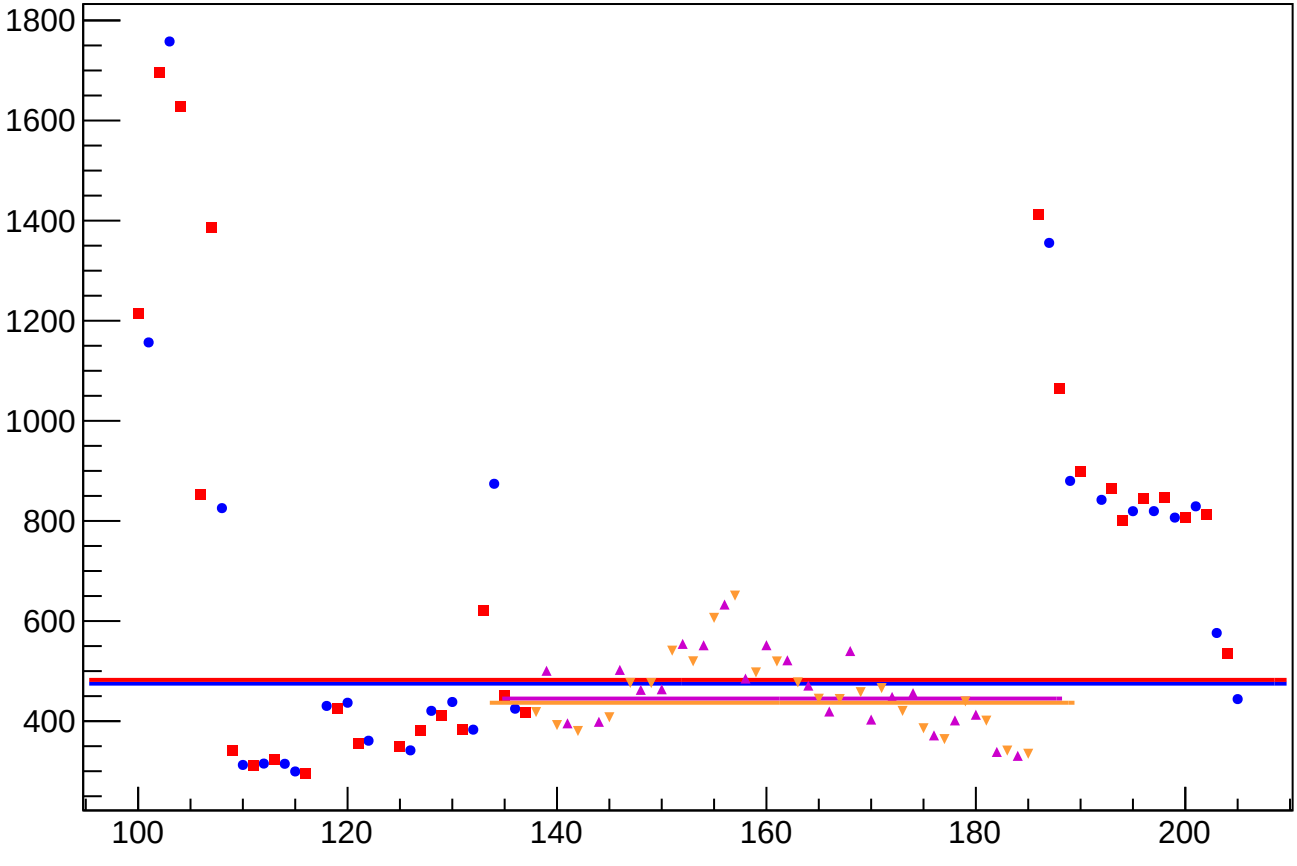
Right: -4.348+/-98.166 χ^2/NDF: 61.3/52

In: -74.092+/-83.835 χ^2/NDF:61.0/47

Out: -143.433+/-82.826 χ^2/NDF:82.7/51

All: -109.182+/-58.921 χ^2/NDF: 144.0/99

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 474.993+/-0.098 χ^2/NDF: 4321452.2/24

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 482.476+/-0.099 χ^2/NDF: 5674732.2/27

Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

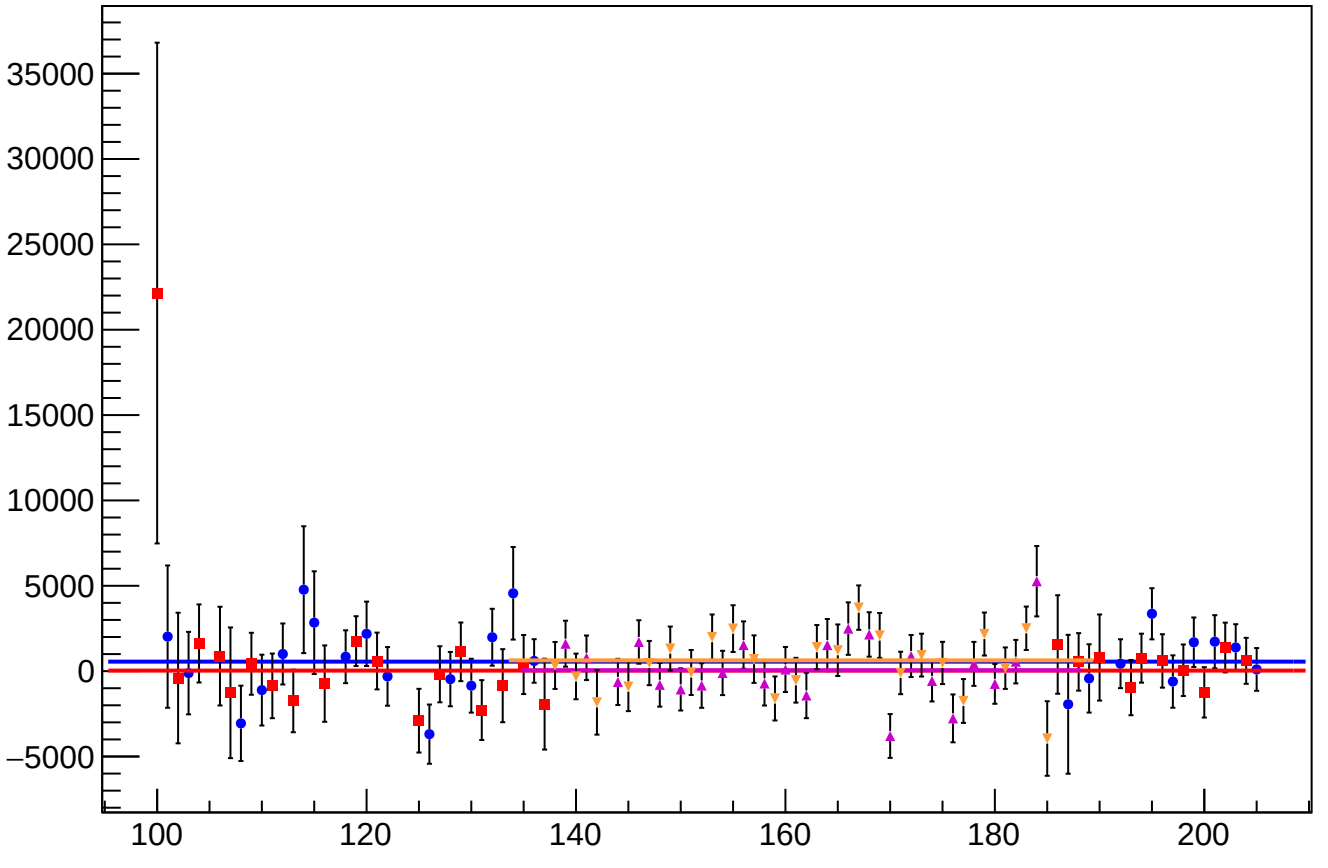
Left: 440.850+/-0.052 χ^2/NDF: 1736182.6/46

Right: 478.705+/-0.069 χ^2/NDF: 9999090.0/52

In: 456.093+/-0.059 χ^2/NDF:5255098.3/47

Out: 452.920+/-0.059 χ^2/NDF:6668984.4/51

All: 454.487+/-0.042 χ^2/NDF: 11925533.2/99



Right In: 557.389+/-349.758 χ^2/NDF: 23.0/24

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 32.633+/-349.096 χ^2/NDF: 14.2/27

Left In: 50.835+/-276.213 χ^2/NDF:35.0/22

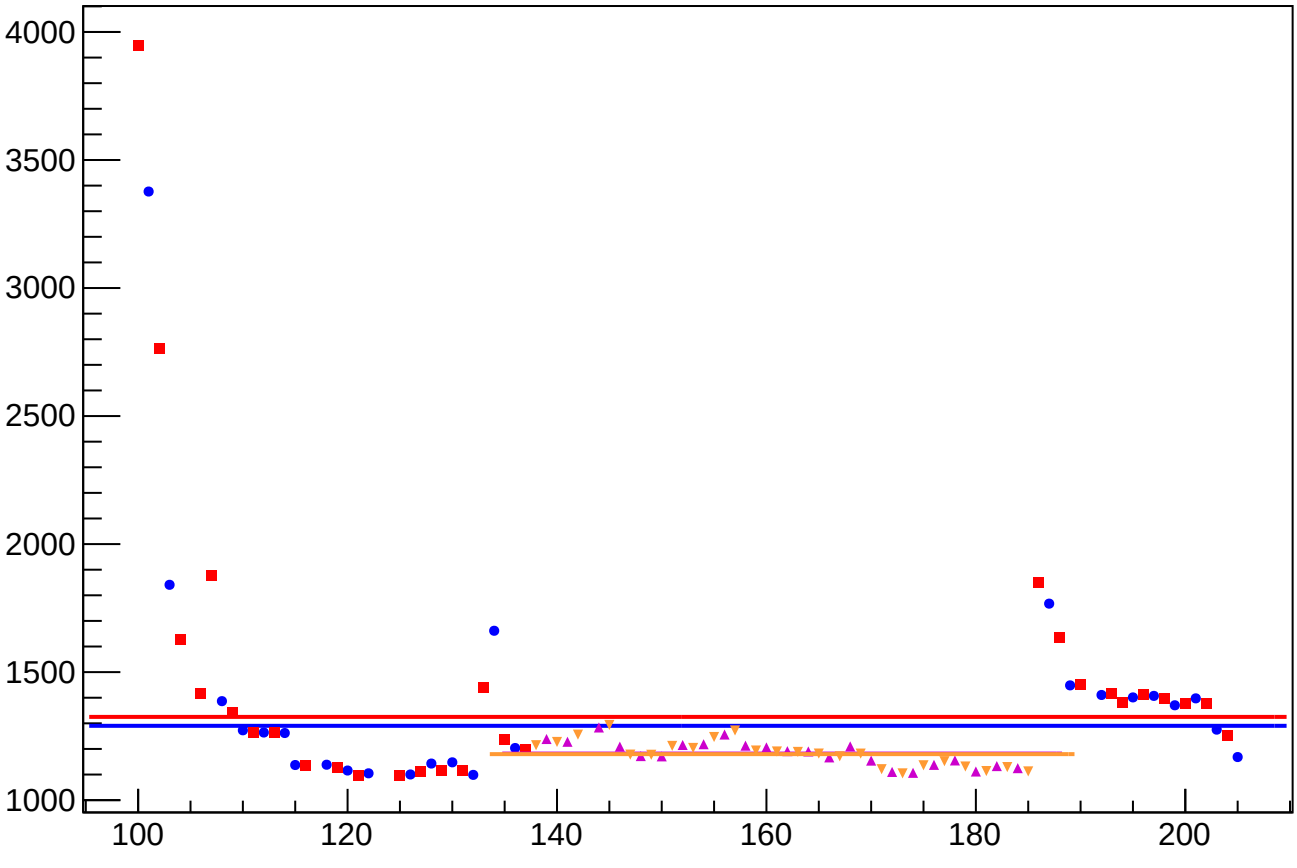
Left: 344.131+/-194.546 χ^2/NDF: 67.4/46

Right: 294.514+/-247.082 χ^2/NDF: 38.4/52

In: 245.407+/-216.768 χ^2/NDF:59.3/47

Out: 403.997+/-215.567 χ^2/NDF:46.2/51

All: 325.143+/-152.852 χ^2/NDF: 105.8/99



Right In: 1290.308+/-0.247 χ^2/NDF: 916587.1/24

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

Right Out: 1325.137+/-0.247 χ^2/NDF: 826991.6/27

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

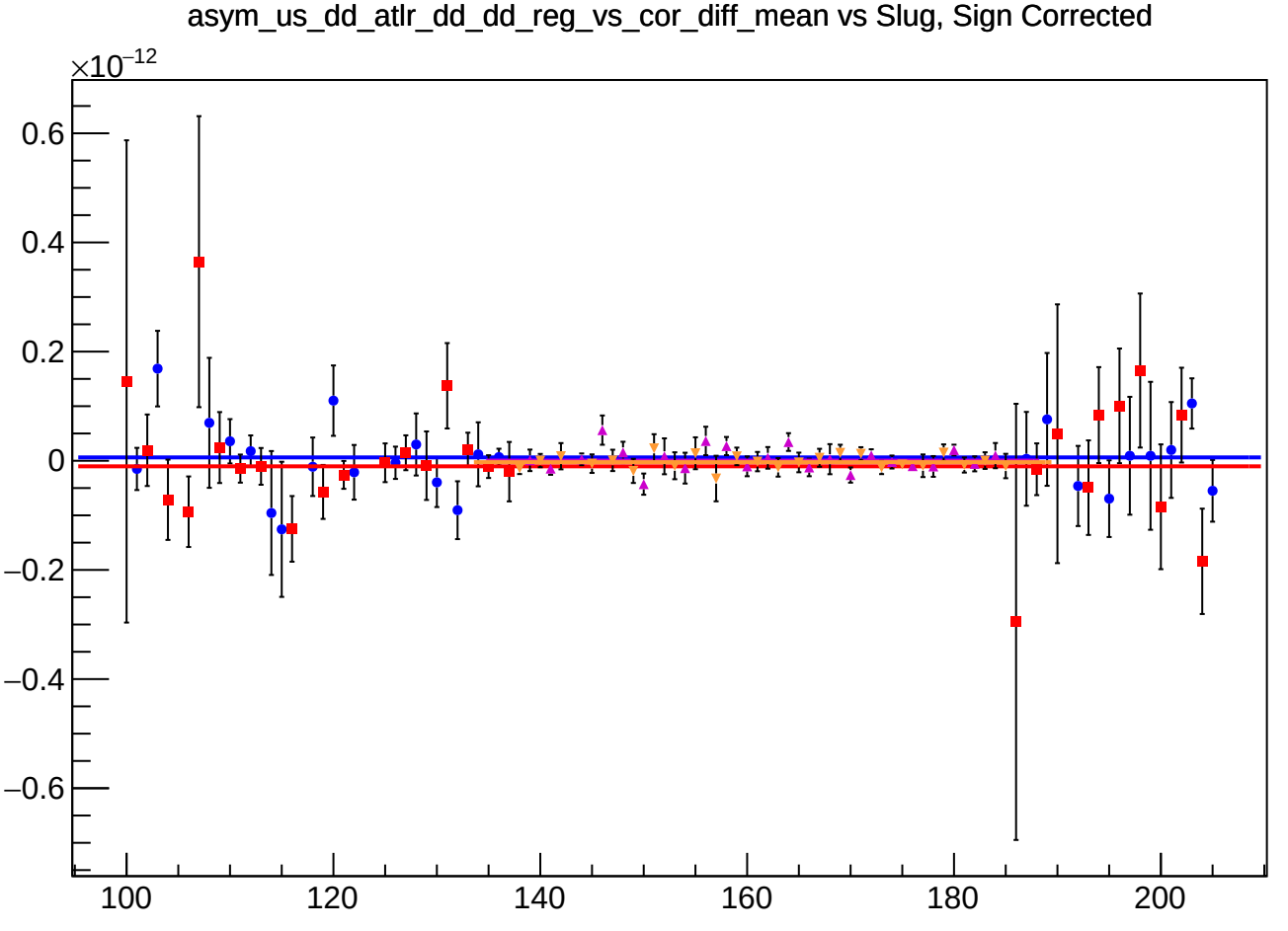
Left: 1180.812+/-0.138 χ^2/NDF: 125088.5/46

Right: 1307.755+/-0.175 χ^2/NDF: 1753513.9/52

In: 1223.558+/-0.153 χ^2/NDF:1095216.0/47

Out: 1235.165+/-0.152 χ^2/NDF:1106385.5/51

All: 1229.394+/-0.108 χ^2/NDF: 2204484.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/27

Left In: 0.000+/-0.000 χ^2/NDF:32.5/22

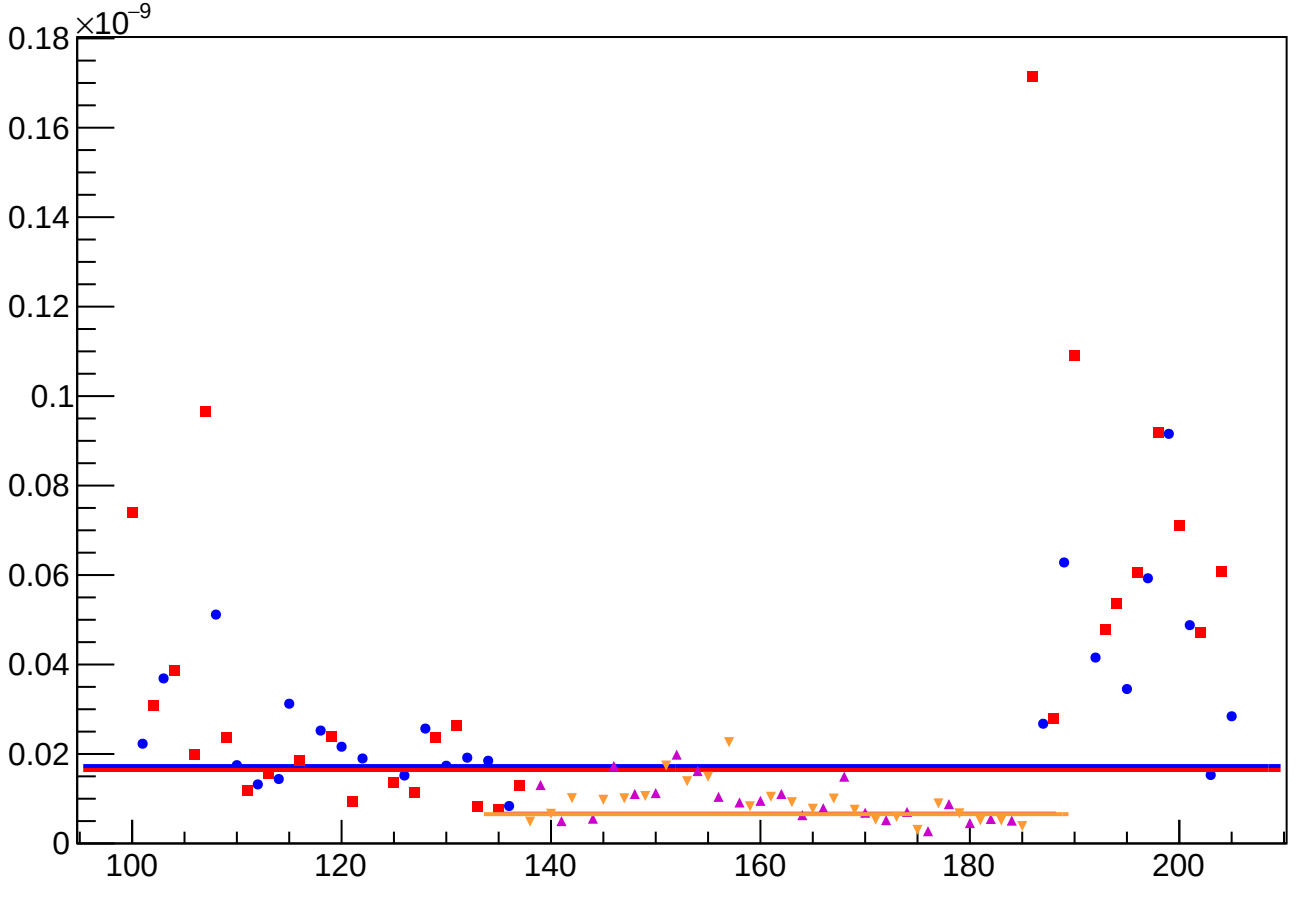
Left: -0.000+/-0.000 χ^2/NDF: 43.4/46

Right: -0.000+/-0.000 χ^2/NDF: 50.3/52

In: 0.000+/-0.000 χ^2/NDF:57.1/47

Out: -0.000+/-0.000 χ^2/NDF:35.6/51

All: -0.000+/-0.000 χ^2/NDF: 93.7/99



Right In: 0.000+/-0.000 χ^2/NDF: 3097469.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4832622.0/27

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

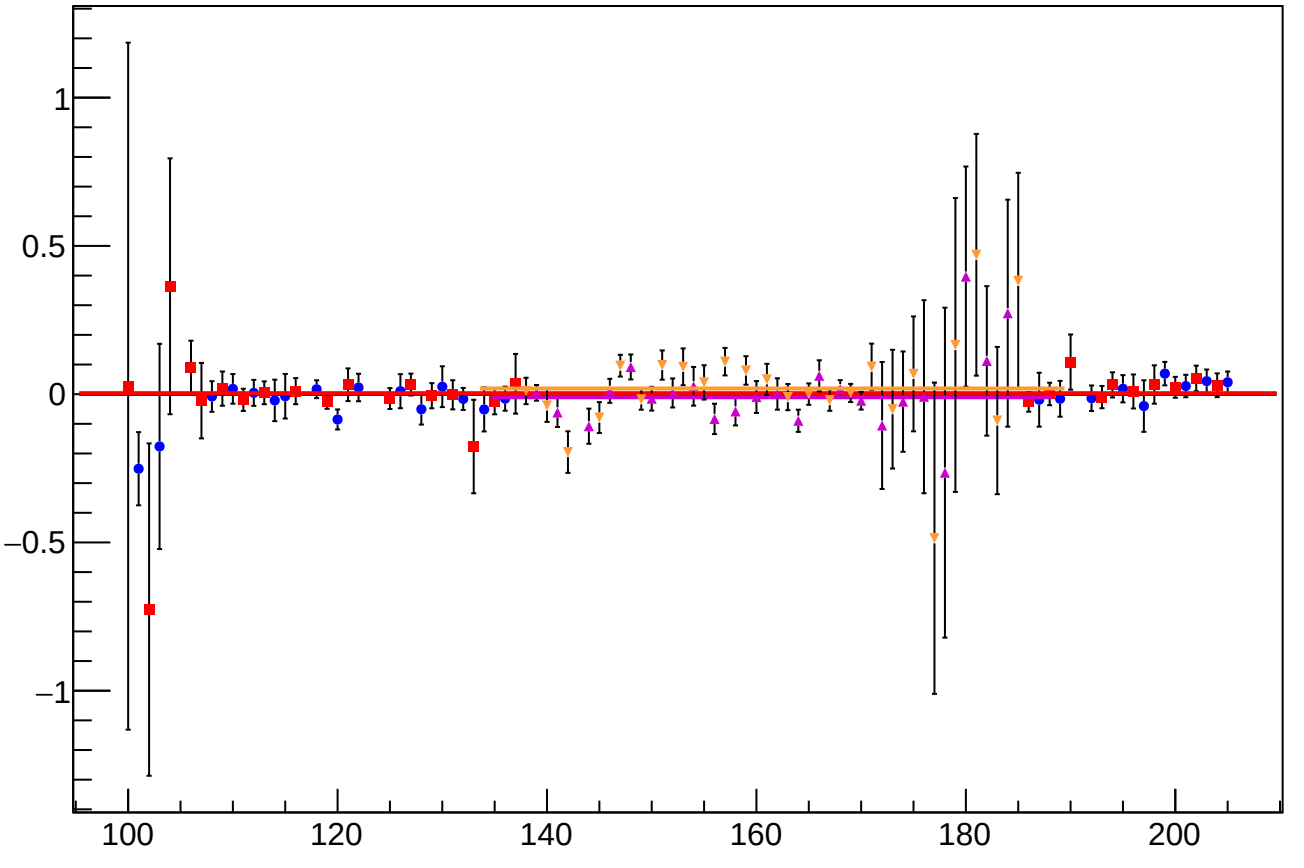
Left: 0.000+/-0.000 χ^2/NDF: 4876422.9/46

Right: 0.000+/-0.000 χ^2/NDF: 7939682.1/52

In: 0.000+/-0.000 χ^2/NDF:8154000.3/47

Out: 0.000+/-0.000 χ^2/NDF:9364691.2/51

All: 0.000+/-0.000 χ^2/NDF: 17523435.0/99



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

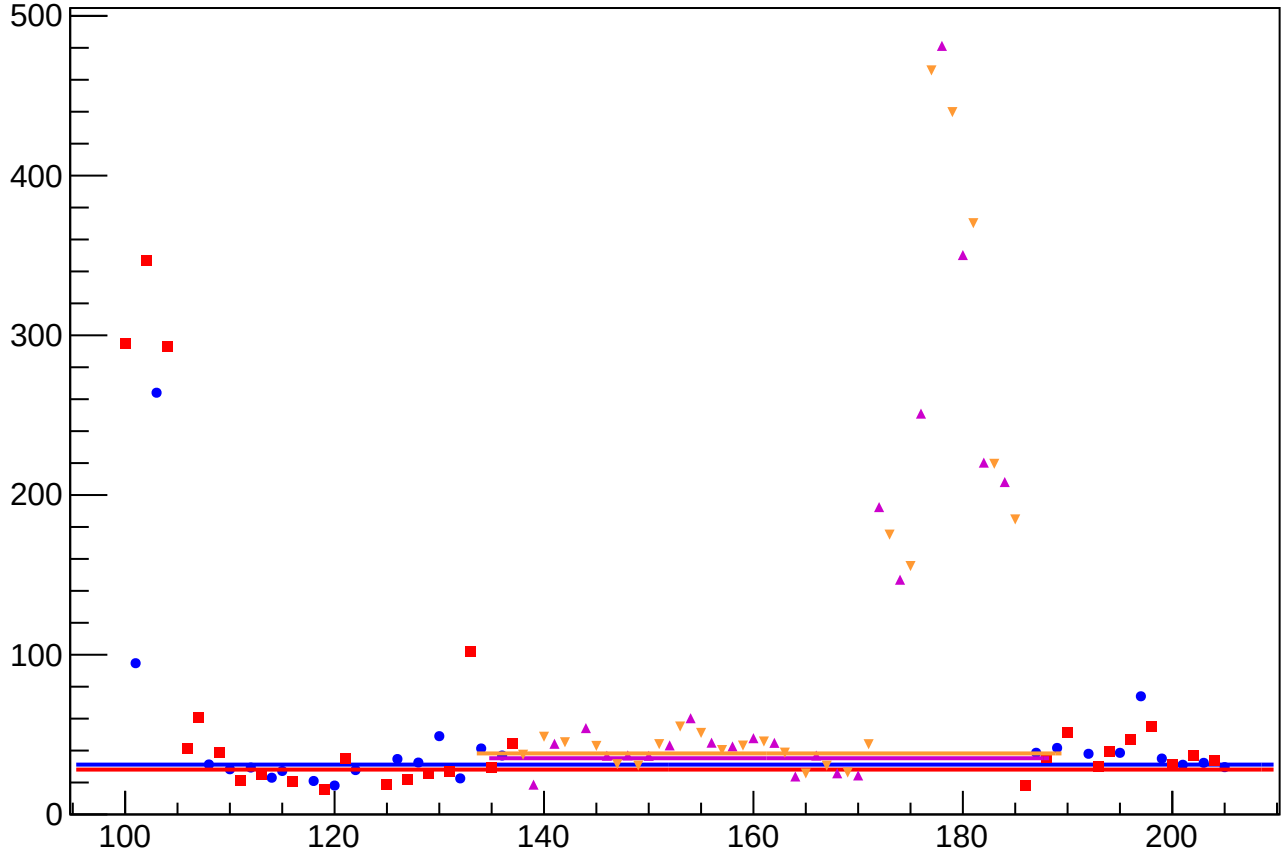
Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

Right: 0.002+/-0.006 χ^2/NDF: 33.4/52

In: -0.004+/-0.007 χ^2/NDF:44.4/47

Out: 0.010+/-0.007 χ^2/NDF:50.5/51

All: 0.003+/-0.005 χ^2/NDF: 96.9/99



Right In: 31.208+/-0.007 χ^2/NDF: 3031638.8/24

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 28.094+/-0.006 χ^2/NDF: 4380986.1/27

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

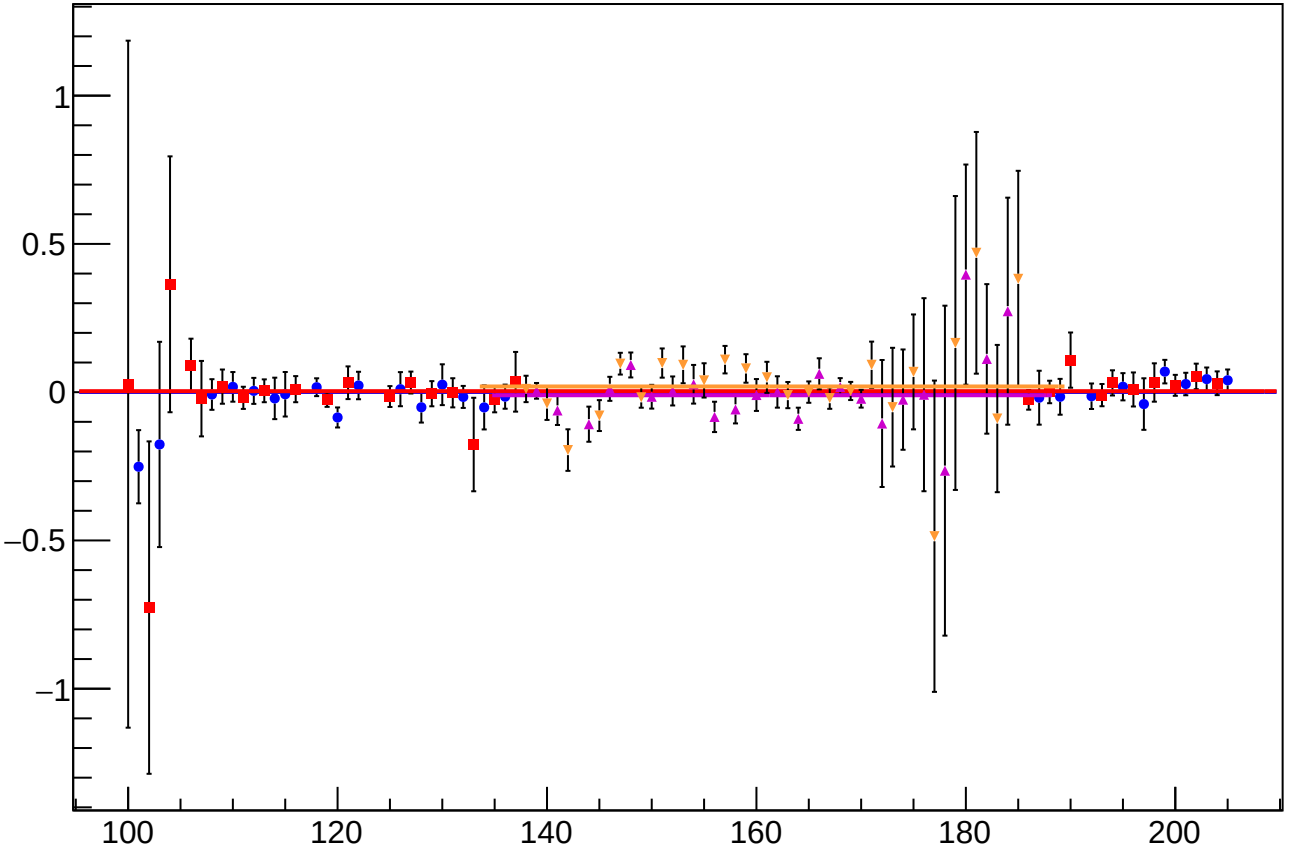
Right: 29.505+/-0.005 χ^2/NDF: 7528050.5/52

In: 33.065+/-0.005 χ^2/NDF:12583804.5/47

Out: 32.085+/-0.005 χ^2/NDF:13727126.4/51

All: 32.560+/-0.003 χ^2/NDF: 26331123.4/99

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

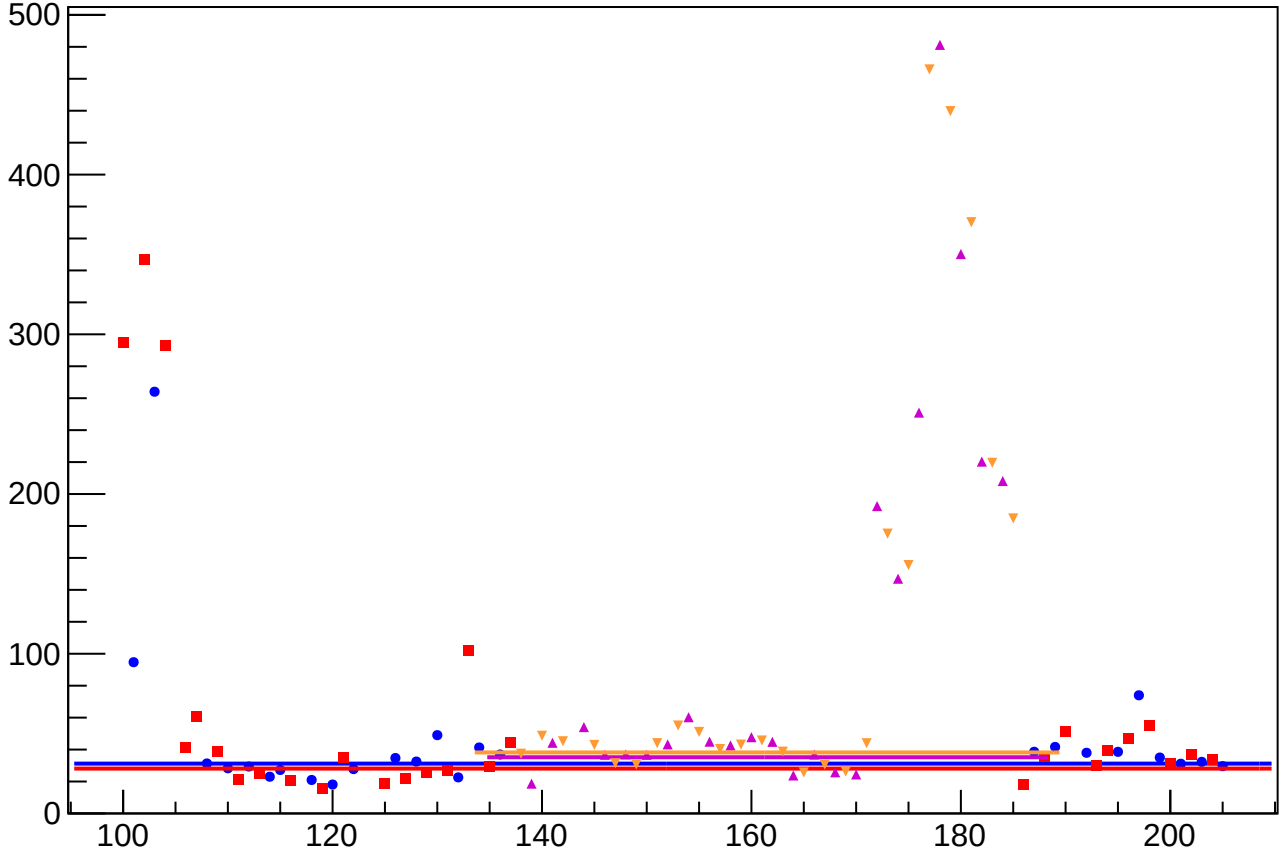
Right: 0.002+/-0.006 χ^2/NDF: 33.4/52

In: -0.004+/-0.007 χ^2/NDF:44.4/47

Out: 0.010+/-0.007 χ^2/NDF:50.5/51

All: 0.003+/-0.005 χ^2/NDF: 96.9/99

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.208+/-0.007 χ^2/NDF: 3031638.8/24

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

Right Out: 28.094+/-0.006 χ^2/NDF: 4380986.1/27

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

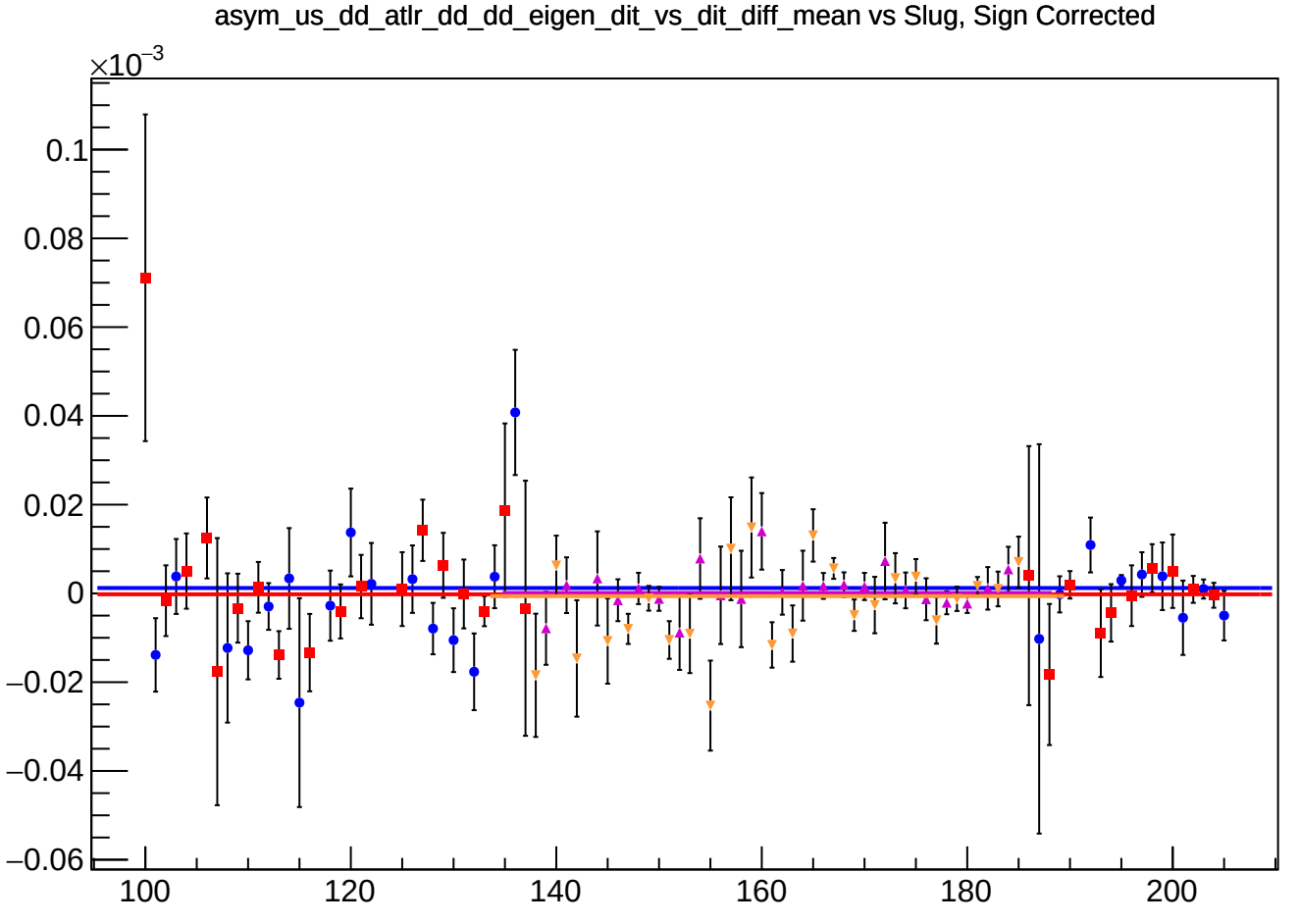
Left: 36.625+/-0.005 χ^2/NDF: 17757838.6/46

Right: 29.505+/-0.005 χ^2/NDF: 7528050.5/52

In: 33.065+/-0.005 χ^2/NDF:12583804.5/47

Out: 32.085+/-0.005 χ^2/NDF:13727126.4/51

All: 32.560+/-0.003 χ^2/NDF: 26331123.4/99



Right In: 0.000+/-0.000 χ^2/NDF: 37.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.0/27

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

Left: -0.000+/-0.000 χ^2/NDF: 62.5/46

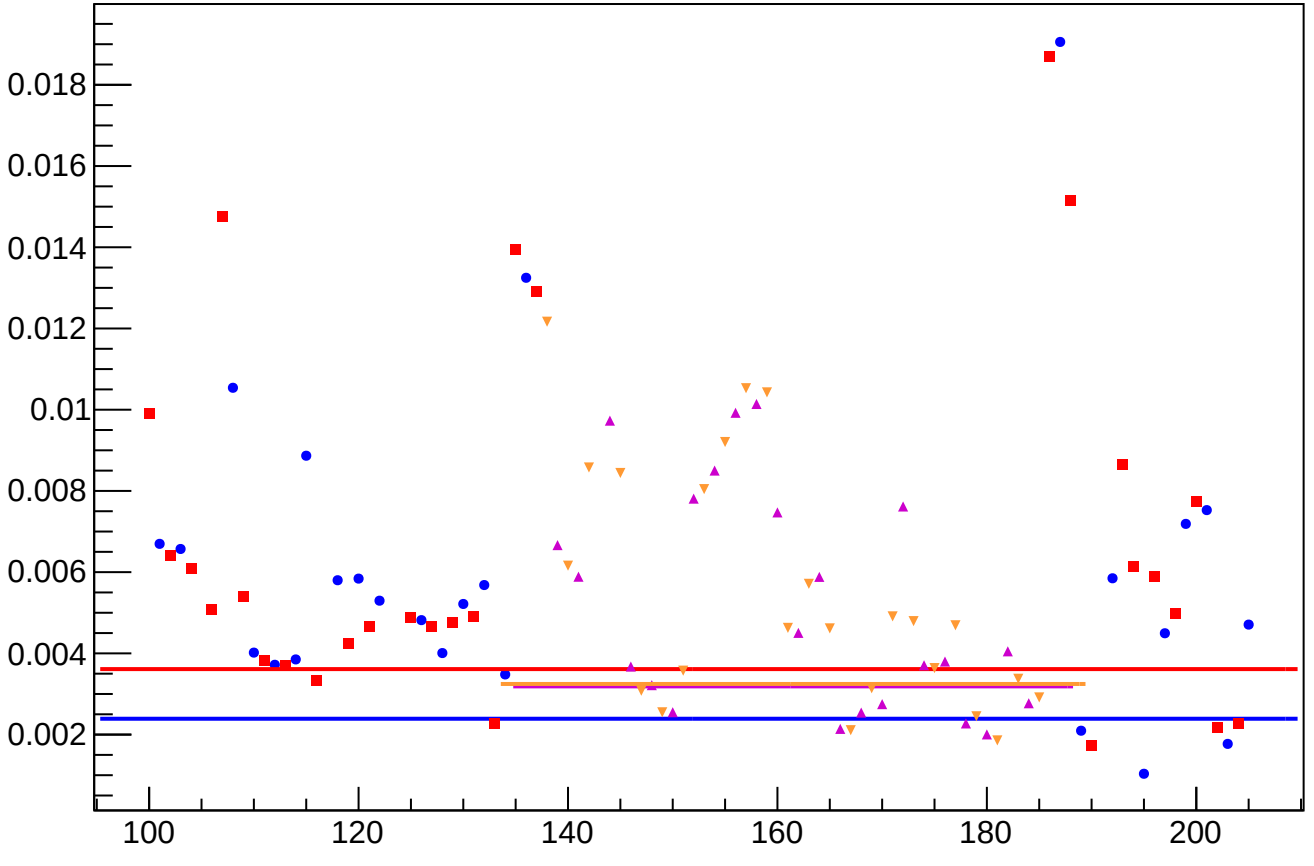
Right: 0.000+/-0.000 χ^2/NDF: 66.3/52

In: 0.000+/-0.000 χ^2/NDF:49.2/47

Out: -0.000+/-0.000 χ^2/NDF:79.3/51

All: 0.000+/-0.000 χ^2/NDF: 129.9/99

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 10743773.1/24

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

Right Out: 0.004+/-0.000 χ^2/NDF: 7157309.2/27

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

Left: 0.003+/-0.000 χ^2/NDF: 15043467.2/46

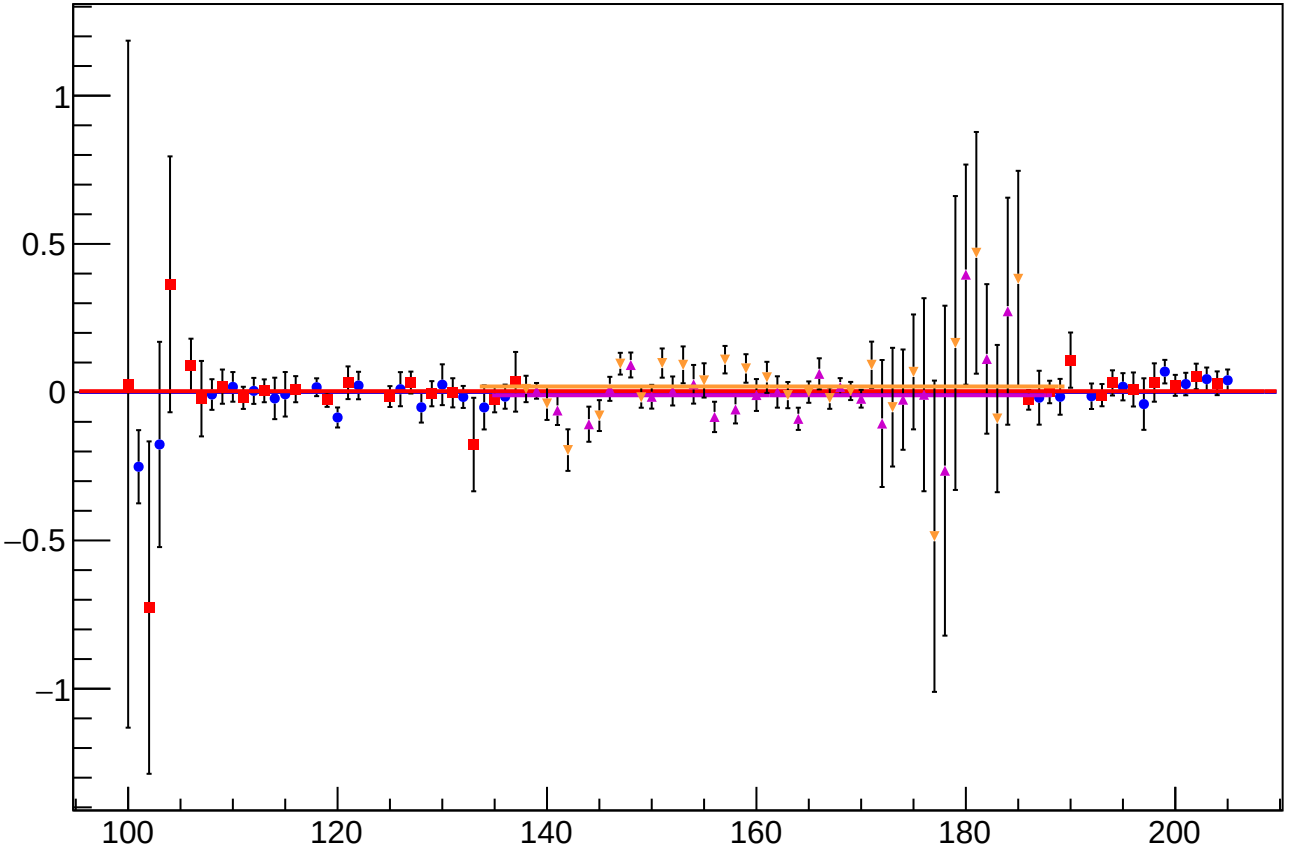
Right: 0.003+/-0.000 χ^2/NDF: 19385228.6/52

In: 0.003+/-0.000 χ^2/NDF:18893948.0/47

Out: 0.003+/-0.000 χ^2/NDF:15028007.6/51

All: 0.003+/-0.000 χ^2/NDF: 34747276.9/99

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

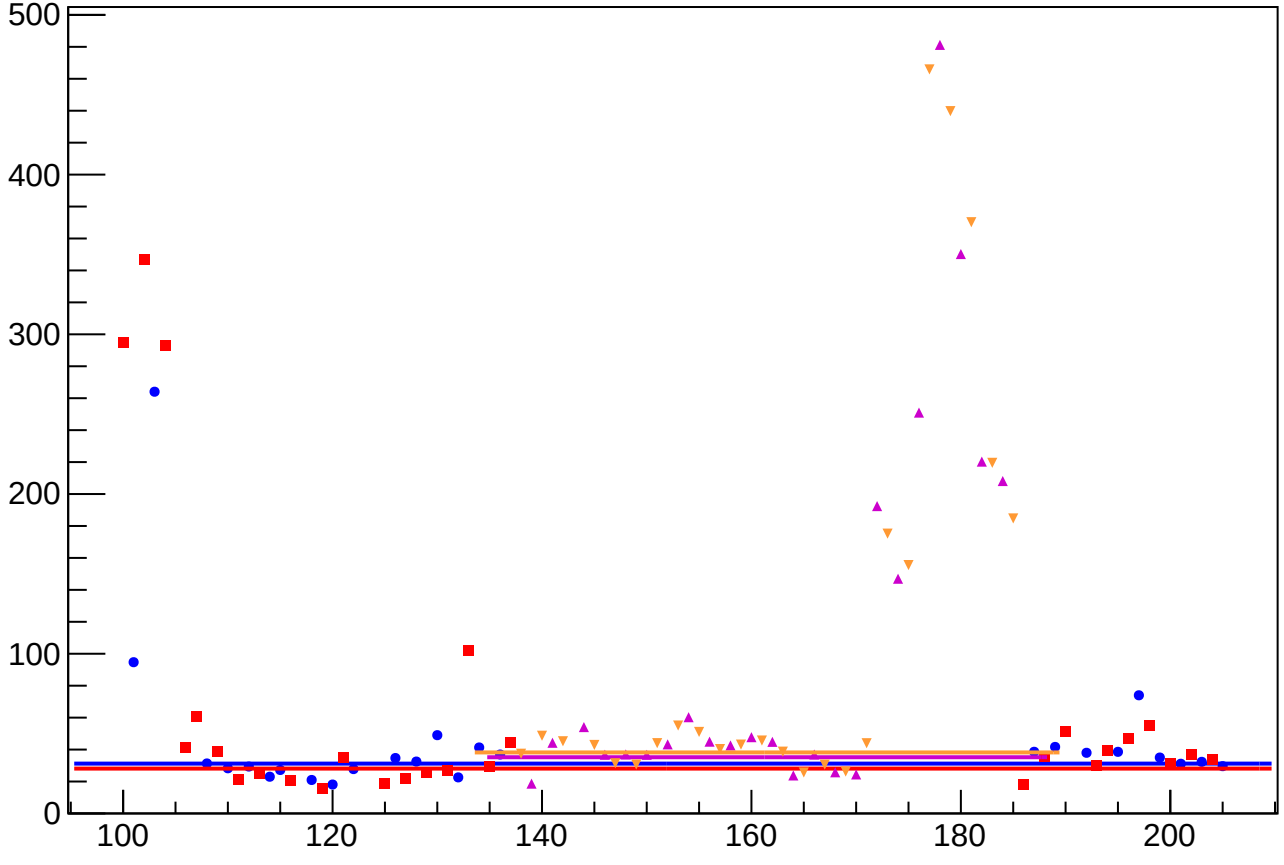
Right: 0.002+/-0.006 χ^2/NDF: 33.4/52

In: -0.004+/-0.007 χ^2/NDF:44.4/47

Out: 0.010+/-0.007 χ^2/NDF:50.5/51

All: 0.003+/-0.005 χ^2/NDF: 96.9/99

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.207+/-0.007 χ^2/NDF: 3031703.4/24

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 28.092+/-0.006 χ^2/NDF: 4381407.0/27

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

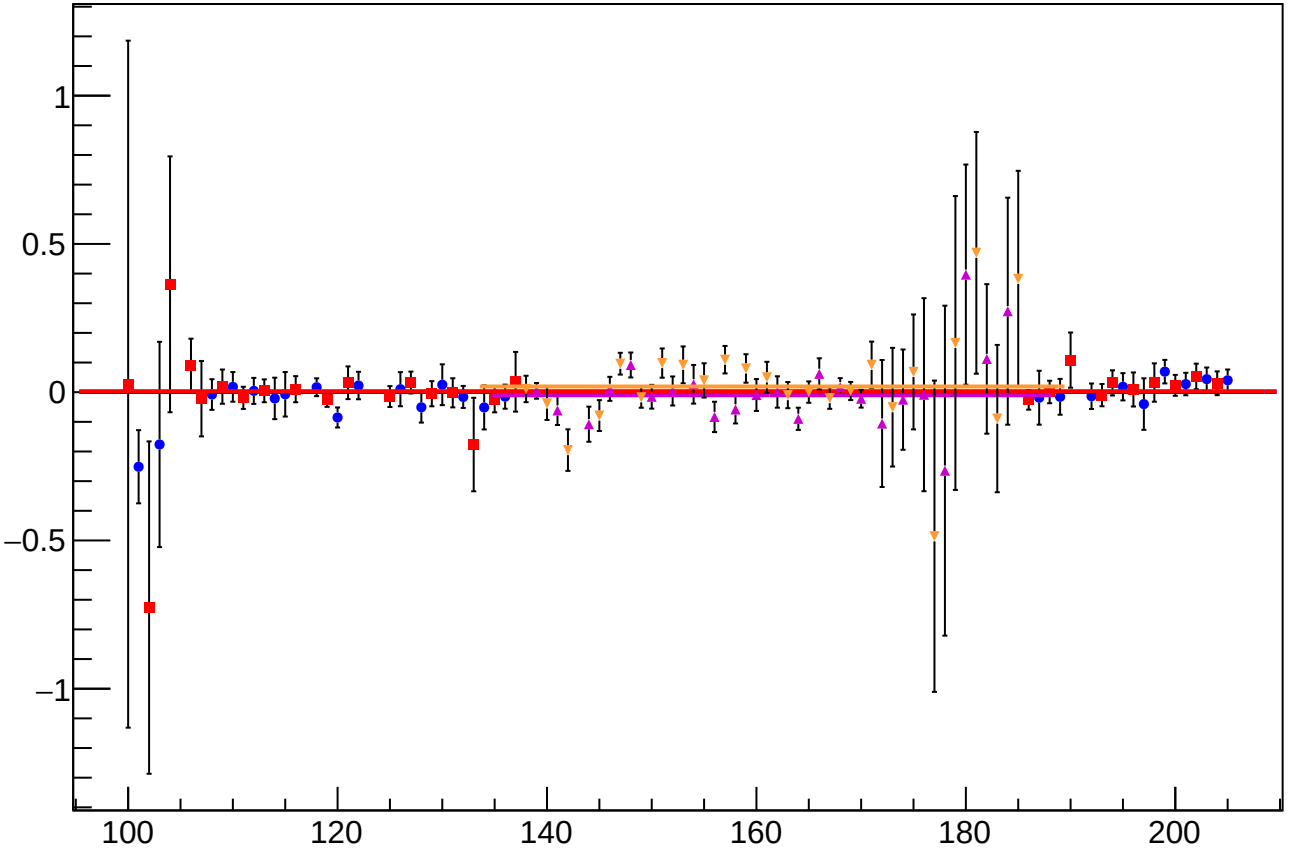
Right: 29.503+/-0.005 χ^2/NDF: 7528648.6/52

In: 33.065+/-0.005 χ^2/NDF:12584326.0/47

Out: 32.084+/-0.005 χ^2/NDF:13728113.0/51

All: 32.559+/-0.003 χ^2/NDF: 26332678.2/99

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: 0.003+/-0.009 χ^2/NDF: 13.2/27

Left In: -0.010+/-0.010 χ^2/NDF:23.6/22

Left: 0.004+/-0.007 χ^2/NDF: 63.5/46

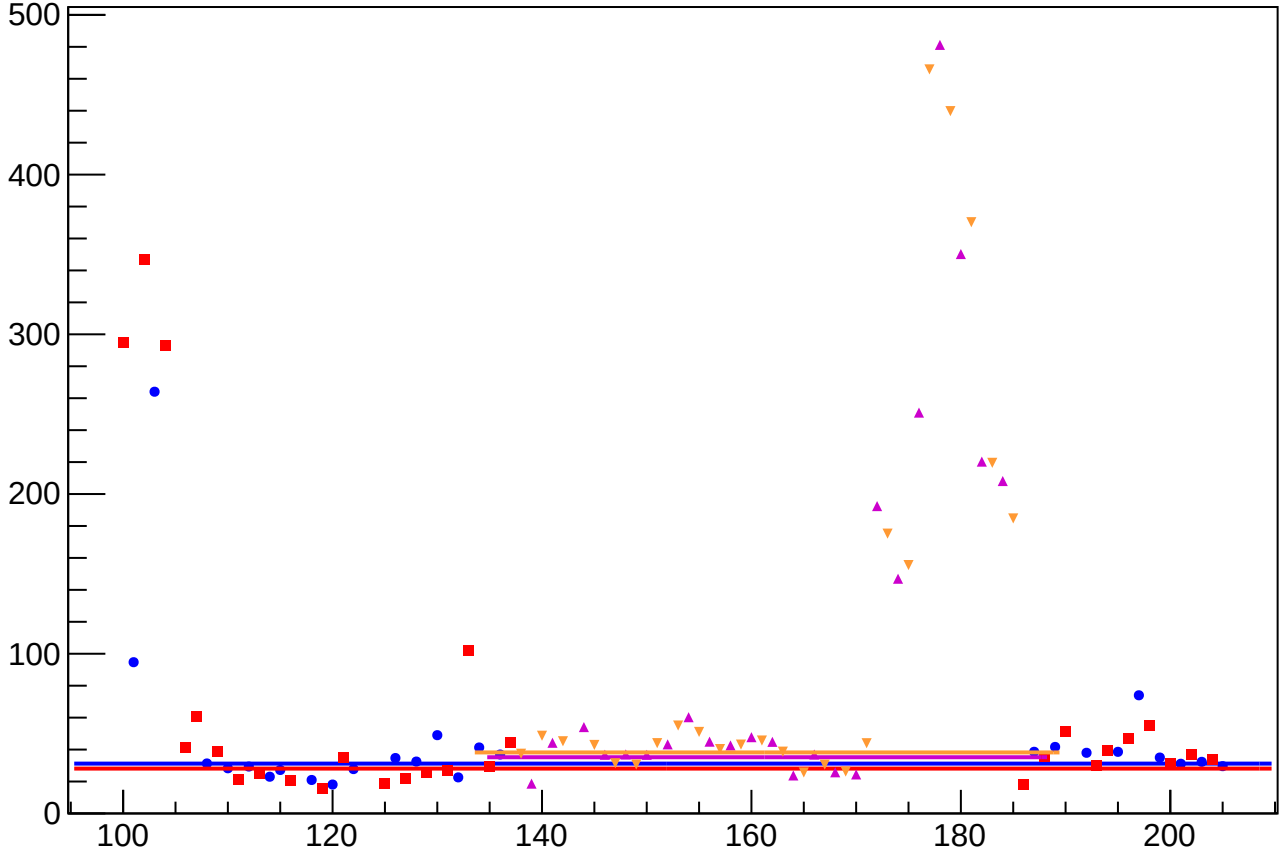
Right: 0.002+/-0.006 χ^2/NDF: 33.4/52

In: -0.004+/-0.007 χ^2/NDF:44.4/47

Out: 0.010+/-0.007 χ^2/NDF:50.5/51

All: 0.003+/-0.005 χ^2/NDF: 96.9/99

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.207+/-0.007 χ^2/NDF: 3031703.4/24

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

Right Out: 28.092+/-0.006 χ^2/NDF: 4381407.0/27

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

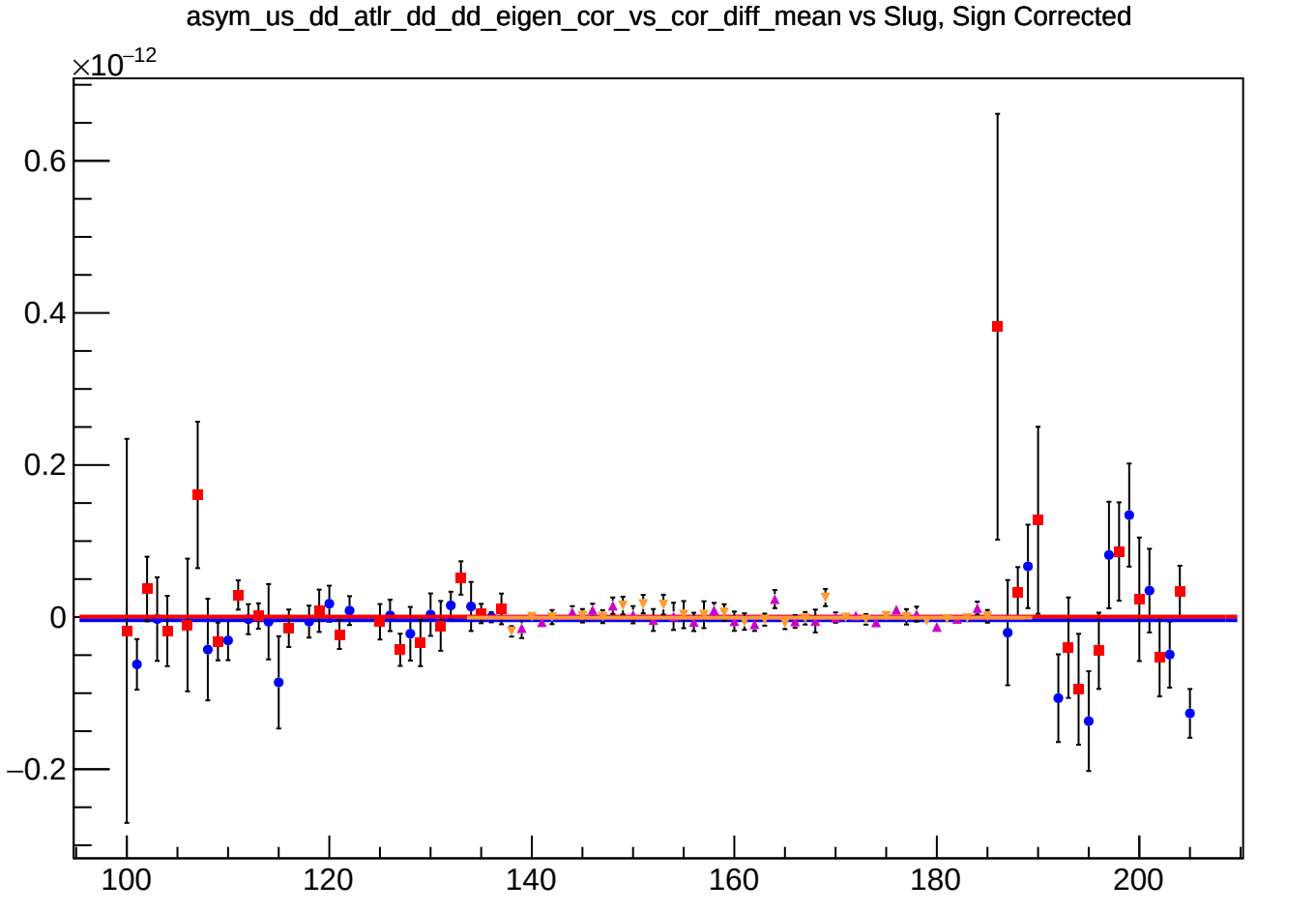
Left: 36.625+/-0.005 χ^2/NDF: 17758448.1/46

Right: 29.503+/-0.005 χ^2/NDF: 7528648.6/52

In: 33.065+/-0.005 χ^2/NDF:12584326.0/47

Out: 32.084+/-0.005 χ^2/NDF:13728113.0/51

All: 32.559+/-0.003 χ^2/NDF: 26332678.2/99



Right In: -0.000+/-0.000 χ^2/NDF: 40.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/27

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

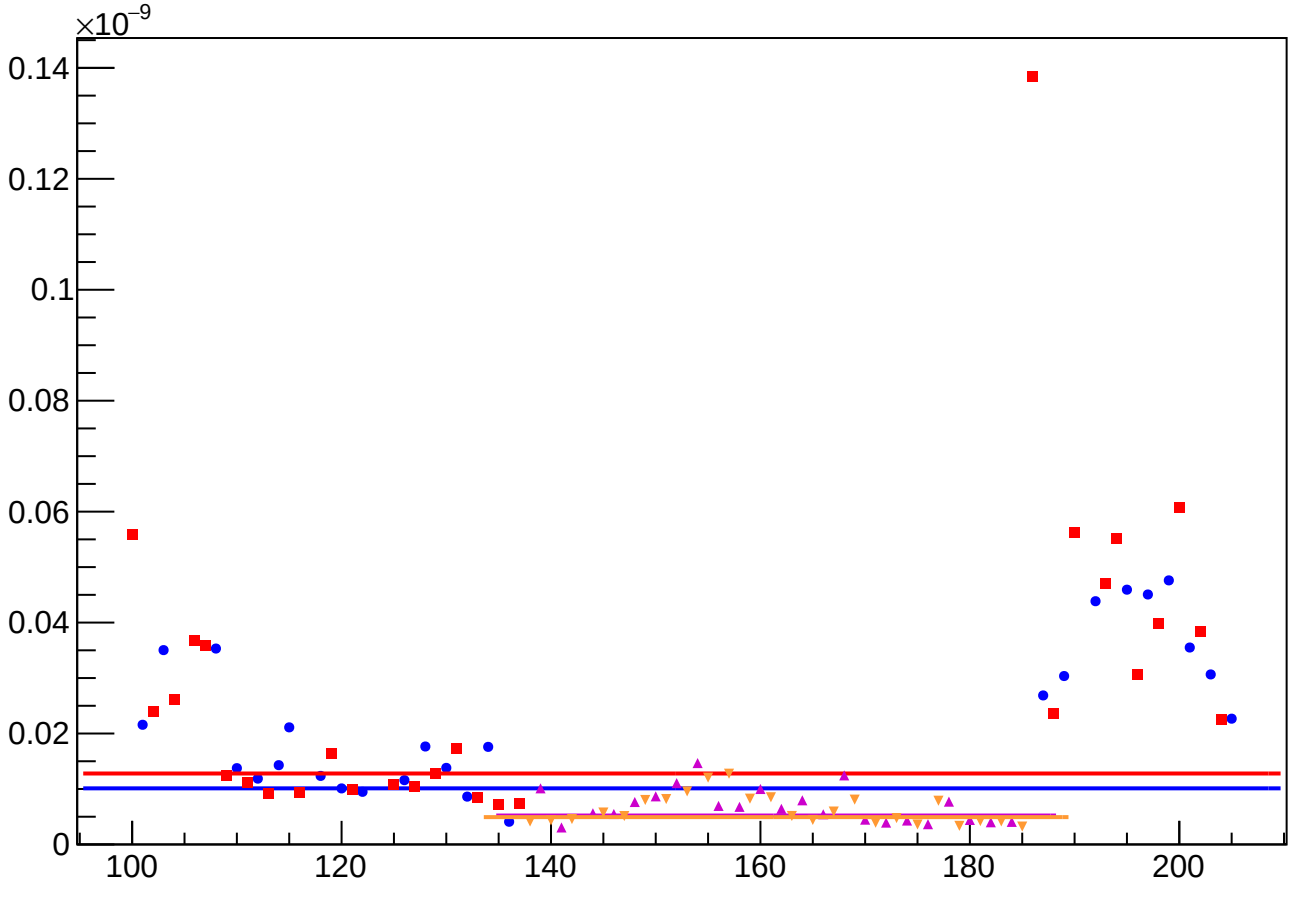
Left: -0.000+/-0.000 χ^2/NDF: 47.4/46

Right: -0.000+/-0.000 χ^2/NDF: 72.8/52

In: -0.000+/-0.000 χ^2/NDF:67.4/47

Out: -0.000+/-0.000 χ^2/NDF:52.9/51

All: -0.000+/-0.000 χ^2/NDF: 120.3/99



Right In: 0.000+/-0.000 χ^2/NDF: 6930288.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5567485.6/27

Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

Left: 0.000+/-0.000 χ^2/NDF: 6113497.8/46

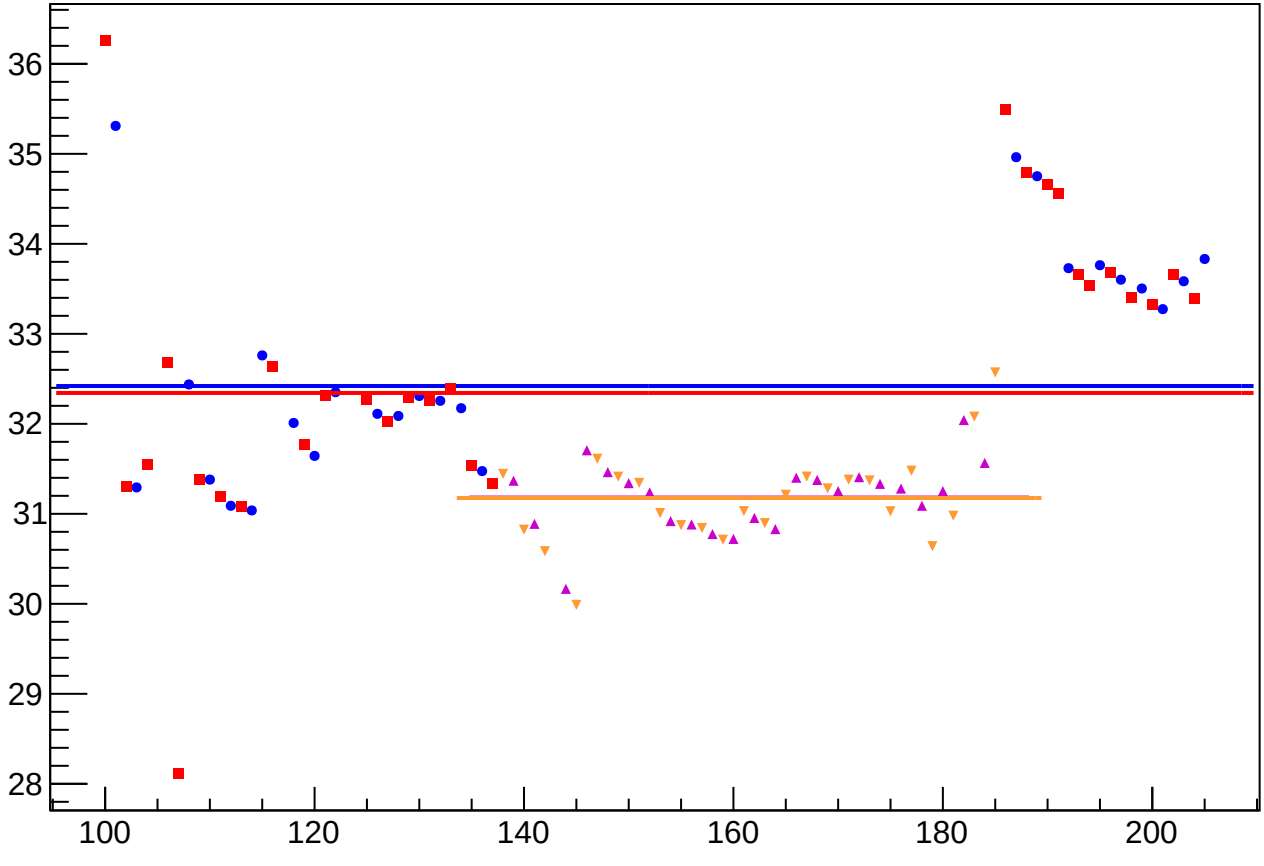
Right: 0.000+/-0.000 χ^2/NDF: 12786600.5/52

In: 0.000+/-0.000 χ^2/NDF:12386034.6/47

Out: 0.000+/-0.000 χ^2/NDF:12201873.2/51

All: 0.000+/-0.000 χ^2/NDF: 24607015.7/99

yield_usl_mean vs Slug, Sign Corrected



Right In: 32.420+/-0.000 χ^2/NDF: 1802216470.8/24

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.343+/-0.000 χ^2/NDF: 1786084091.2/28

Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

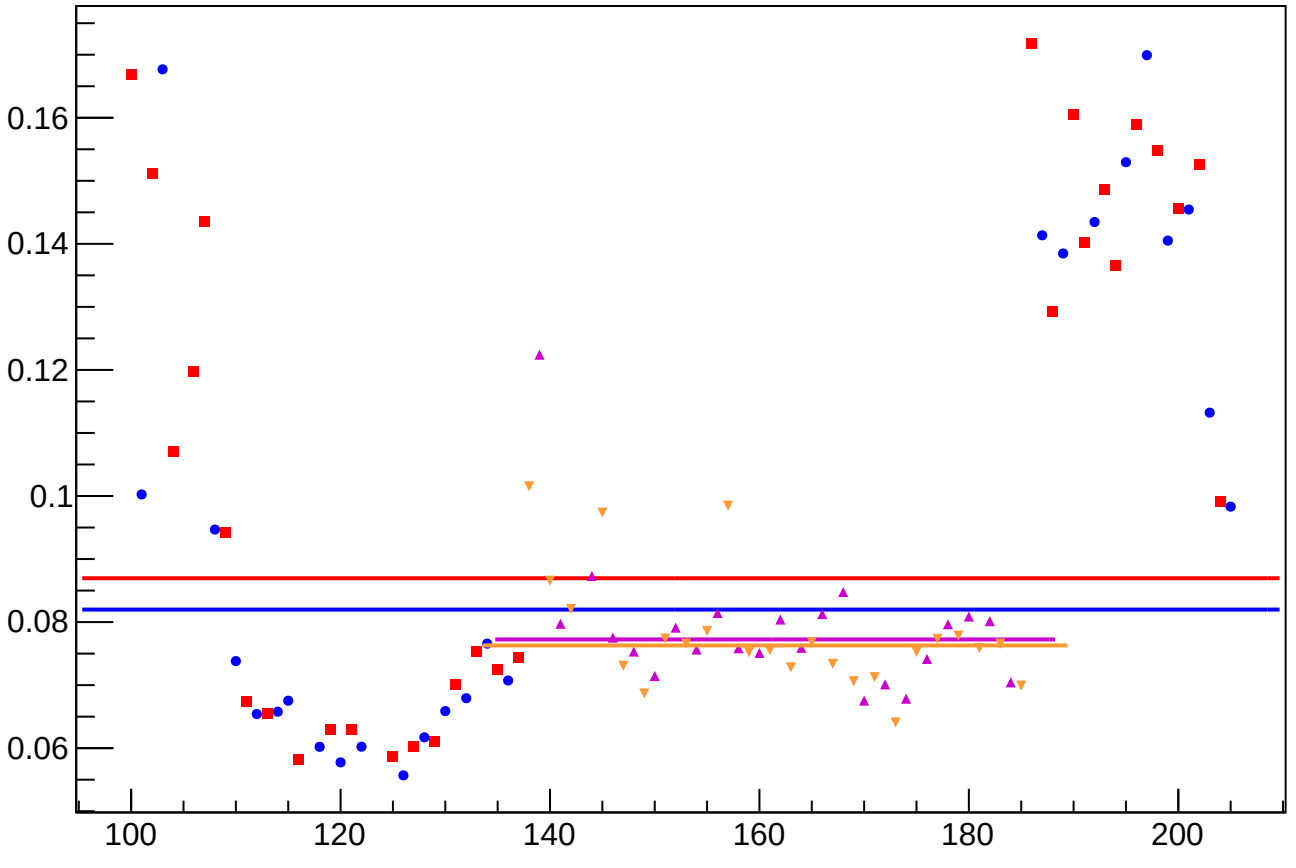
Left: 31.178+/-0.000 χ^2/NDF: 906123108.5/46

Right: 32.382+/-0.000 χ^2/NDF: 3593276485.6/53

In: 31.654+/-0.000 χ^2/NDF:3803624499.4/47

Out: 31.600+/-0.000 χ^2/NDF:3740842268.0/52

All: 31.627+/-0.000 χ^2/NDF: 7551072388.7/1



Right In: 0.082+/-0.000 χ^2/NDF: 3342182.2/24

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.087+/-0.000 χ^2/NDF: 3879054.5/28

Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

Left: 0.077+/-0.000 χ^2/NDF: 724458.6/46

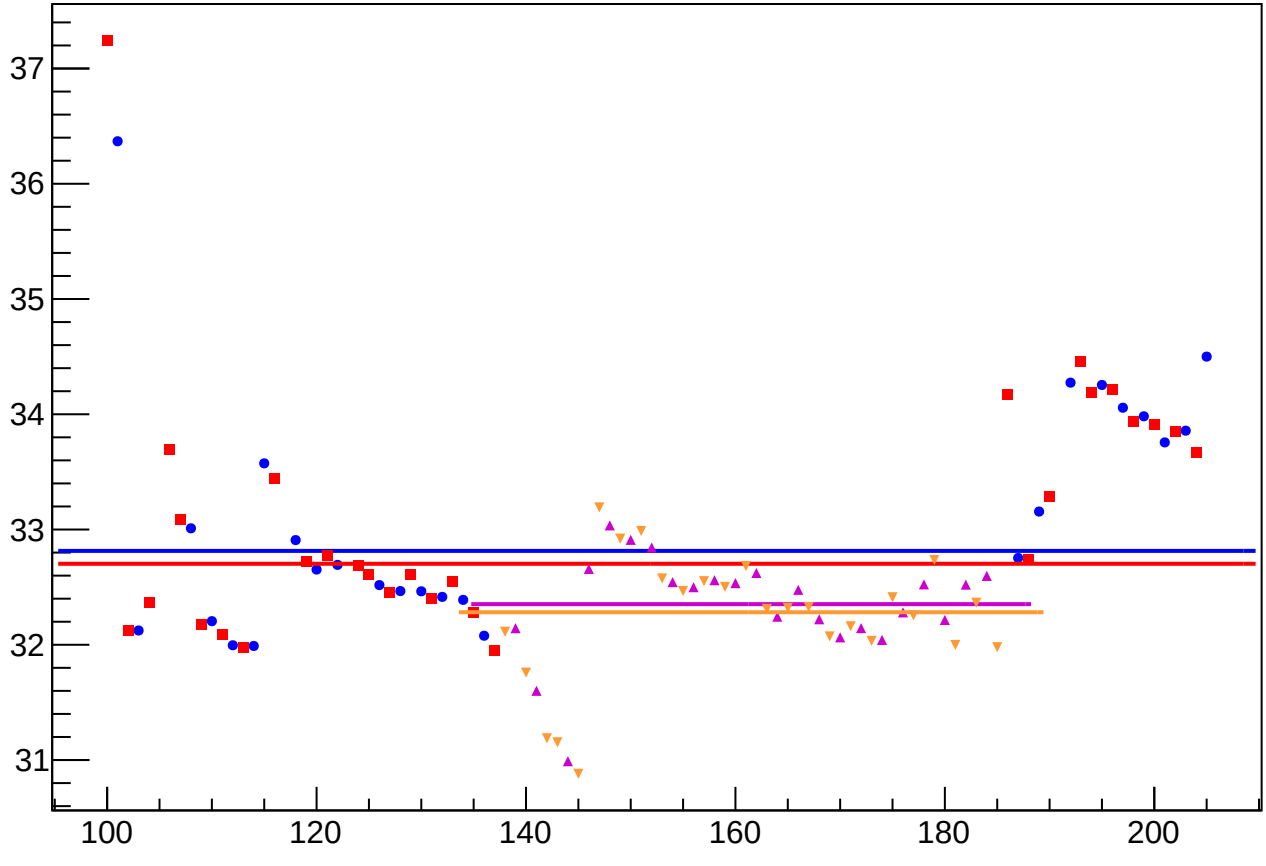
Right: 0.084+/-0.000 χ^2/NDF: 7262700.4/53

In: 0.079+/-0.000 χ^2/NDF:3754886.8/47

Out: 0.080+/-0.000 χ^2/NDF:4473522.9/52

All: 0.080+/-0.000 χ^2/NDF: 8233989.6/100

yield_usr_mean vs Slug, Sign Corrected



Right In: 32.815+/-0.000 χ^2/NDF: 980464329.1/24

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.703+/-0.000 χ^2/NDF: 451113452.5/28

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

Left: 32.317+/-0.000 χ^2/NDF: 1436074258.4/47

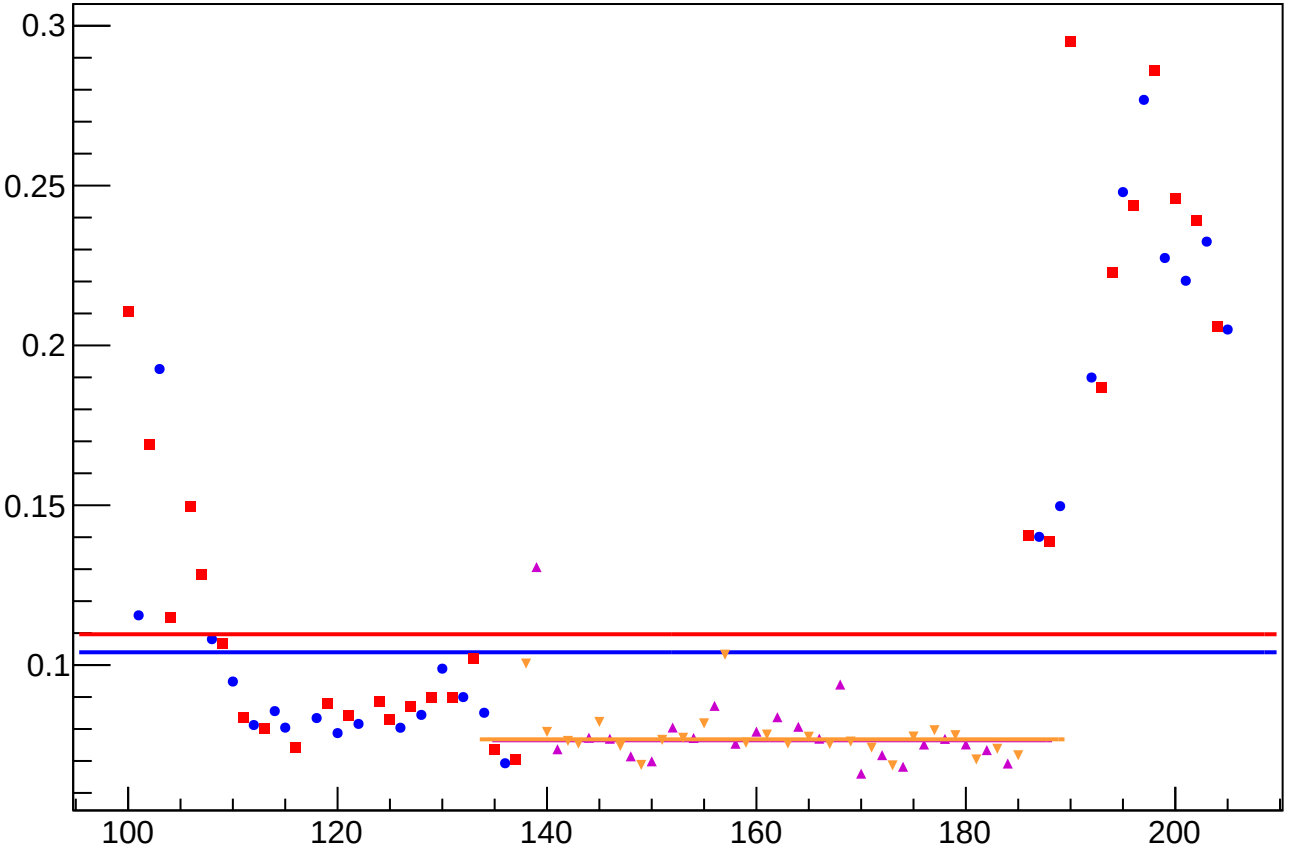
Right: 32.759+/-0.000 χ^2/NDF: 1437709473.6/53

In: 32.471+/-0.000 χ^2/NDF:1727731971.5/47

Out: 32.385+/-0.000 χ^2/NDF:1420022466.2/53

All: 32.428+/-0.000 χ^2/NDF: 3162059780.8/1

yield_usr_rms vs Slug, Sign Corrected



Right In: 0.104+/-0.000 χ^2/NDF: 4634391.0/24

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.110+/-0.000 χ^2/NDF: 4788640.1/28

Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

Left: 0.077+/-0.000 χ^2/NDF: 733655.0/47

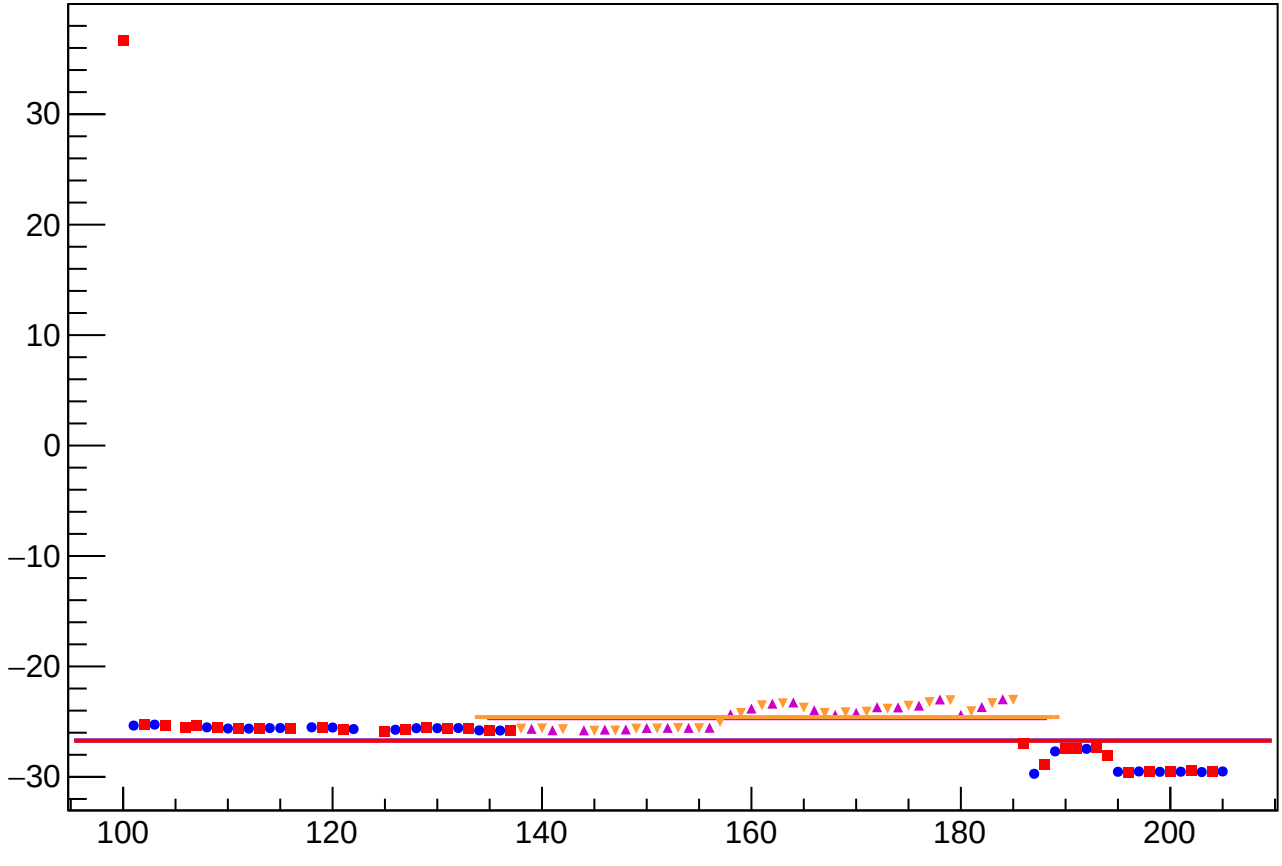
Right: 0.107+/-0.000 χ^2/NDF: 9454246.2/53

In: 0.084+/-0.000 χ^2/NDF:6234415.4/47

Out: 0.085+/-0.000 χ^2/NDF:6627815.0/53

All: 0.084+/-0.000 χ^2/NDF: 12868897.0/101

yield_dsl_mean vs Slug, Sign Corrected



Right In: -26.705+/-0.000 χ^2/NDF: 17479497321.5/24

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.723+/-0.000 χ^2/NDF: 26130407599.0/28

Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

Left: -24.638+/-0.000 χ^2/NDF: 18048773381.1/46

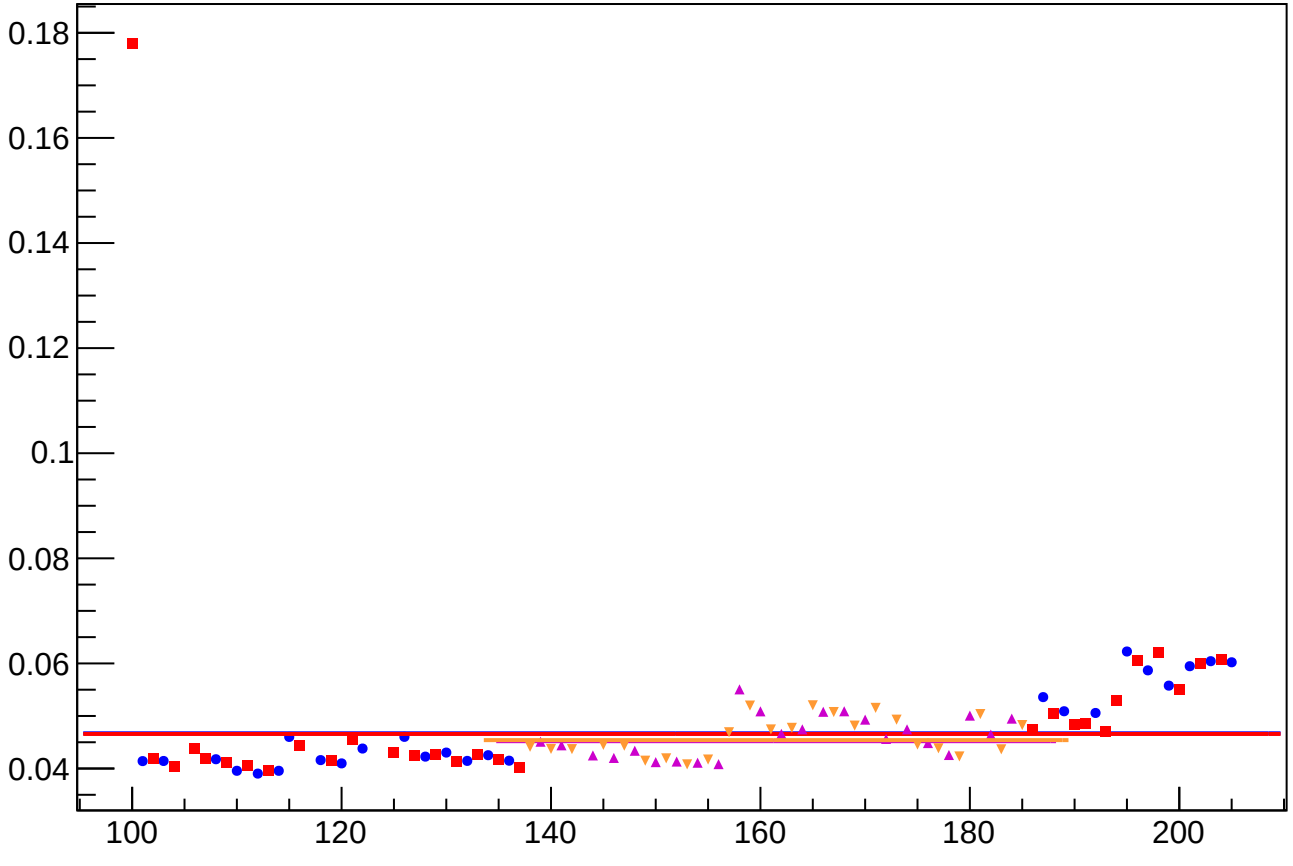
Right: -26.714+/-0.000 χ^2/NDF: 43611042137.4/53

In: -25.522+/-0.000 χ^2/NDF:40943267956.9/47

Out: -25.517+/-0.000 χ^2/NDF:52660986776.2/52

All: -25.520+/-0.000 χ^2/NDF: 93604453336.5

yield_dsl_rms vs Slug, Sign Corrected



Right In: 0.047+/-0.000 χ^2/NDF: 703180.1/24

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.047+/-0.000 χ^2/NDF: 716172.2/28

Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

Left: 0.045+/-0.000 χ^2/NDF: 450560.0/46

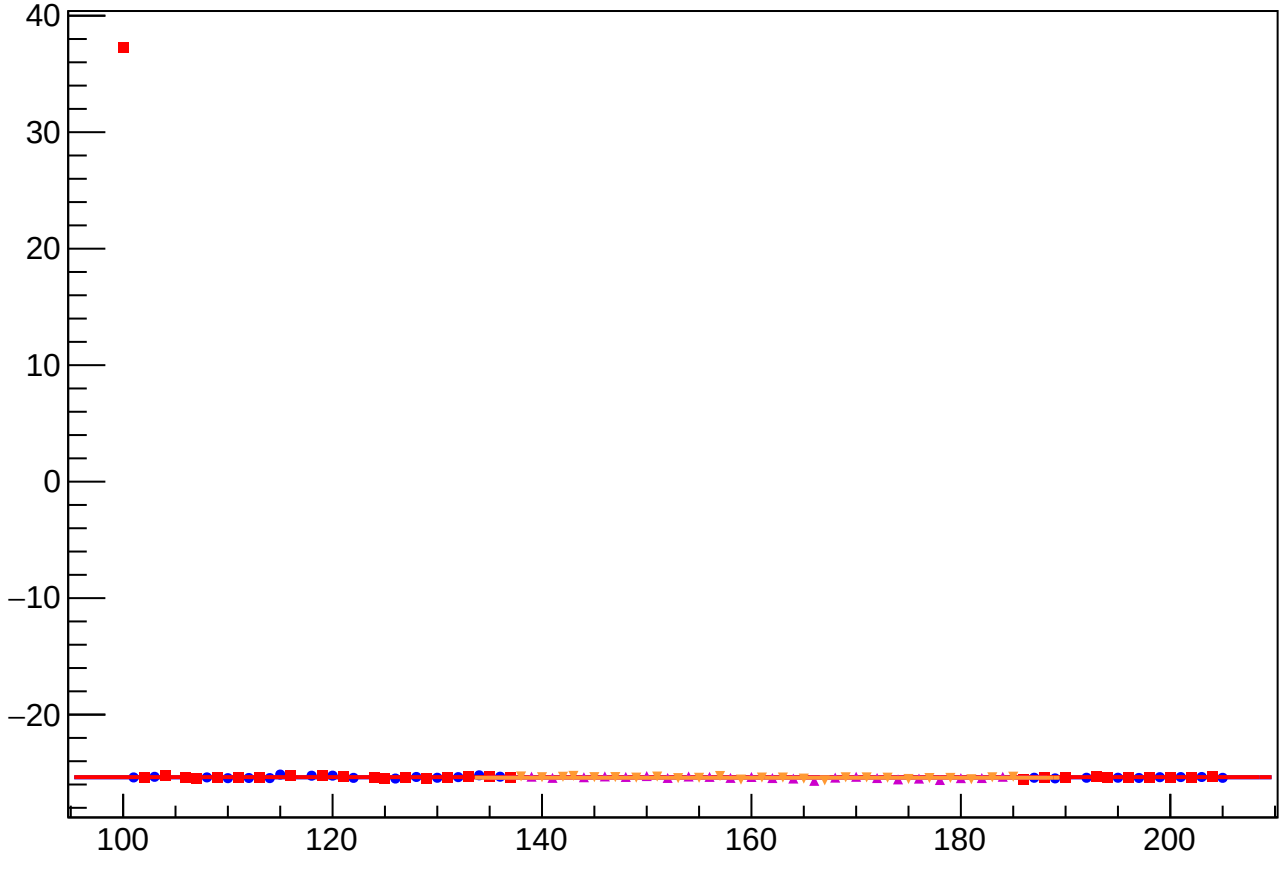
Right: 0.047+/-0.000 χ^2/NDF: 1419445.0/53

In: 0.046+/-0.000 χ^2/NDF:963981.9/47

Out: 0.046+/-0.000 χ^2/NDF:932212.2/52

All: 0.046+/-0.000 χ^2/NDF: 1896326.4/100

yield_dsr_mean vs Slug, Sign Corrected



Right In: -25.385+/-0.000 χ^2/NDF: 19436875.1/24

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.366+/-0.000 χ^2/NDF: 6331681156.5/28

Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

Left: -25.416+/-0.000 χ^2/NDF: 108085070.9/47

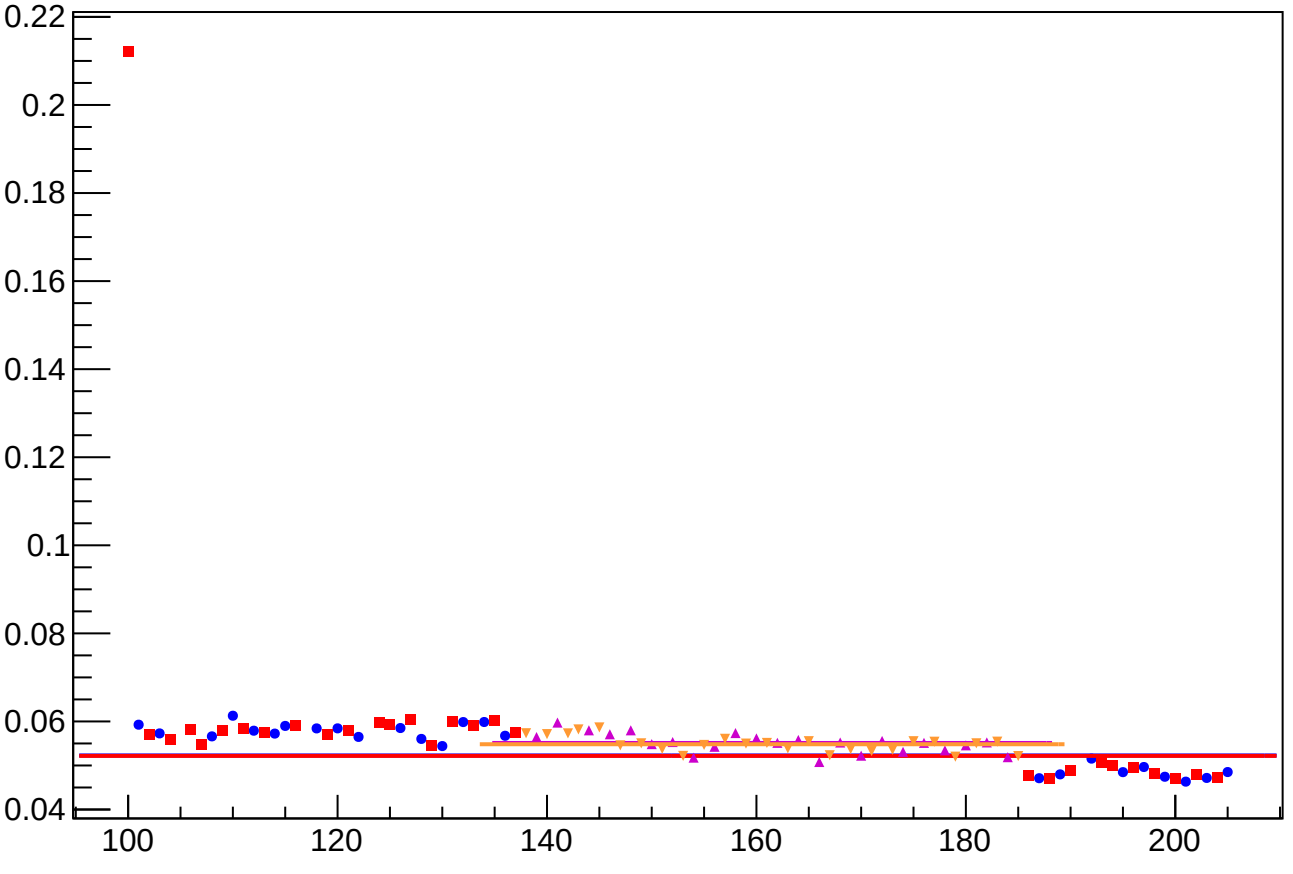
Right: -25.375+/-0.000 χ^2/NDF: 6352110751.7/53

In: -25.401+/-0.000 χ^2/NDF:77533838.4/47

Out: -25.393+/-0.000 χ^2/NDF:6391419292.9/53

All: -25.397+/-0.000 χ^2/NDF: 6469295058.4/

yield_dsr_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 238720.3/24

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.052+/-0.000 χ^2/NDF: 341118.7/28

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

Left: 0.055+/-0.000 χ^2/NDF: 90127.5/47

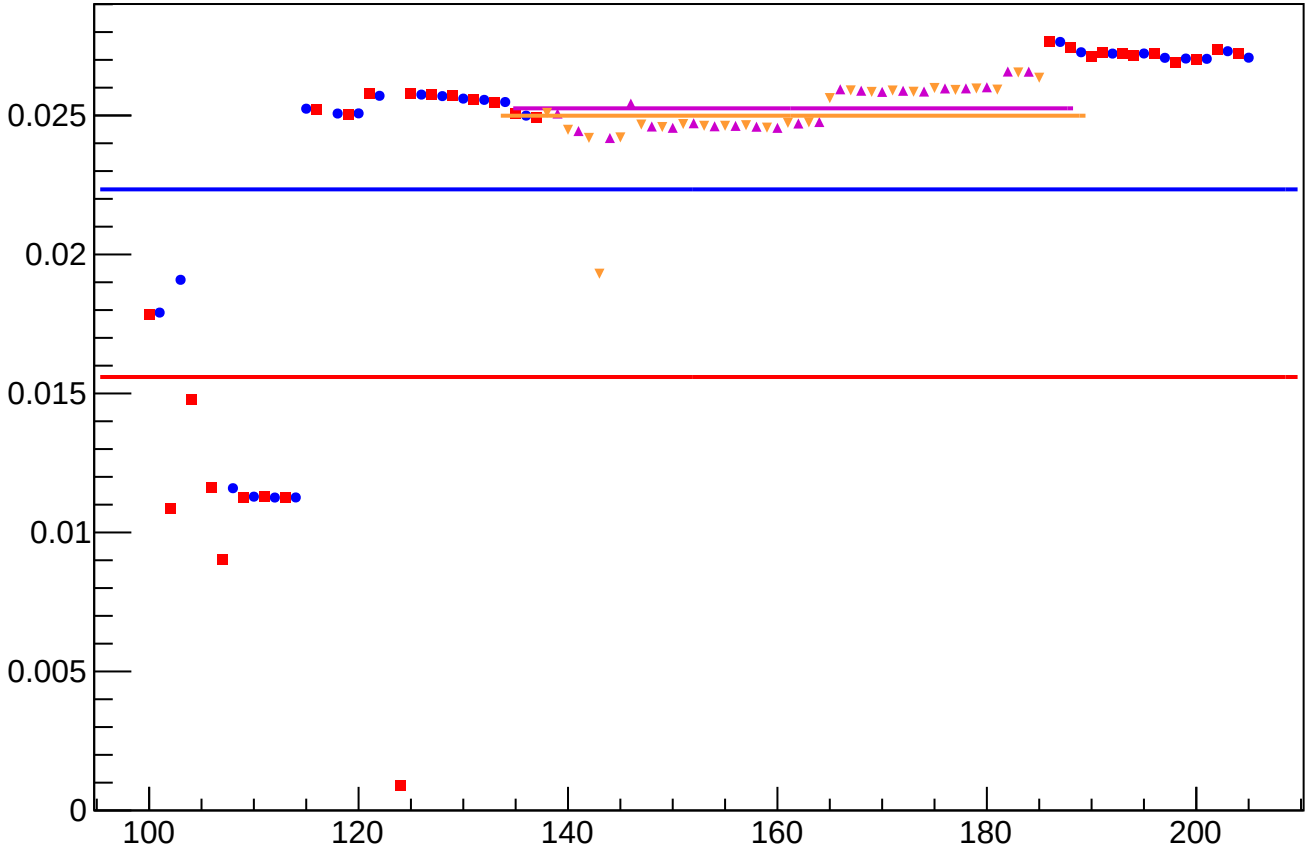
Right: 0.052+/-0.000 χ^2/NDF: 579887.6/53

In: 0.054+/-0.000 χ^2/NDF:333441.2/47

Out: 0.054+/-0.000 χ^2/NDF:419541.1/53

All: 0.054+/-0.000 χ^2/NDF: 753472.5/101

yield_atl1_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 89632974474.9/24

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 419156453370.4/29

Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

Left: 0.025+/-0.000 χ^2/NDF: 9897726075.2/47

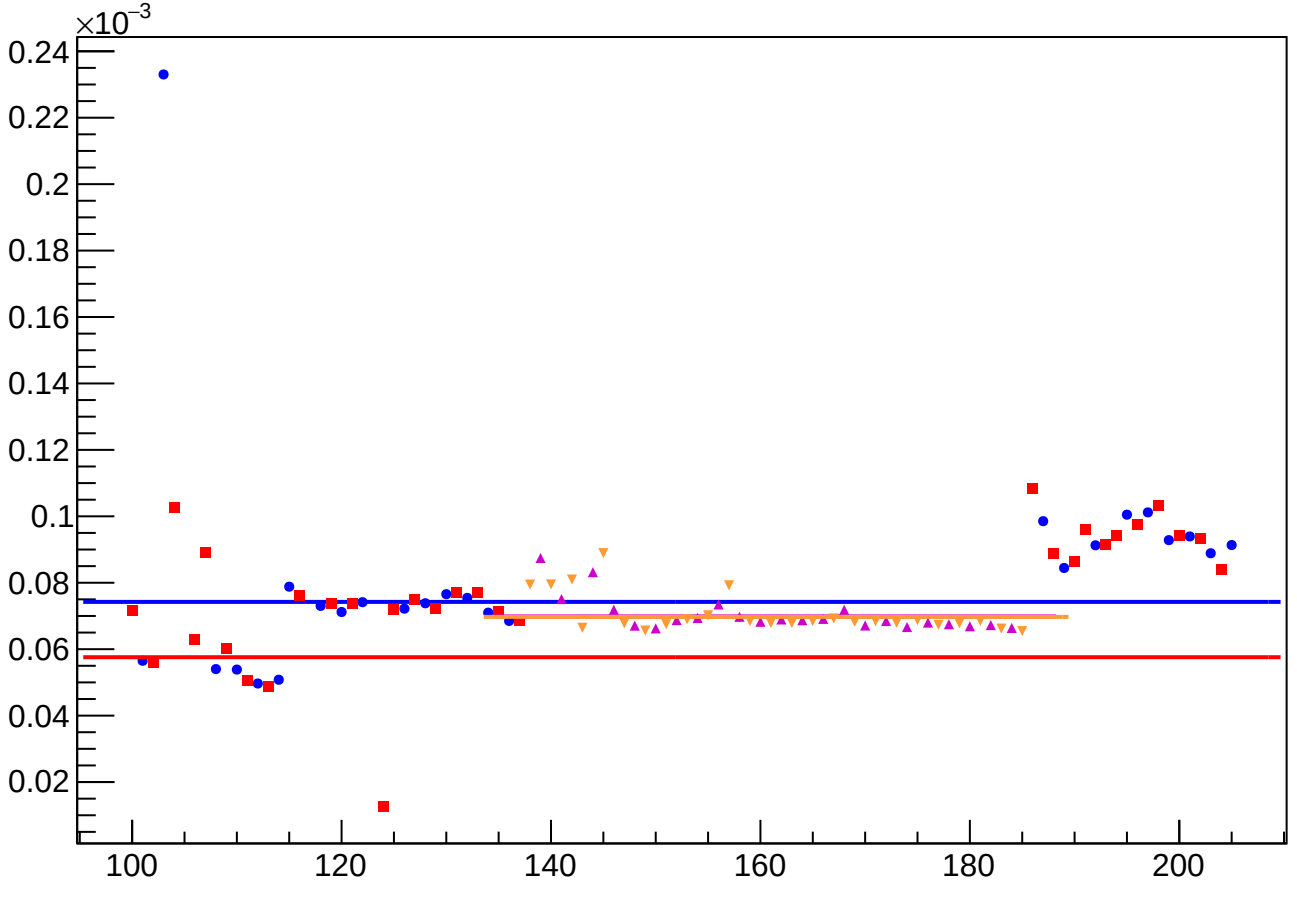
Right: 0.018+/-0.000 χ^2/NDF: 571987194648.5/54

In: 0.024+/-0.000 χ^2/NDF:103658409782.1/47

Out: 0.021+/-0.000 χ^2/NDF:587947150853.3/54

All: 0.022+/-0.000 χ^2/NDF: 732742566252.7

yield_atl1_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 1675160.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6916873.6/29

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

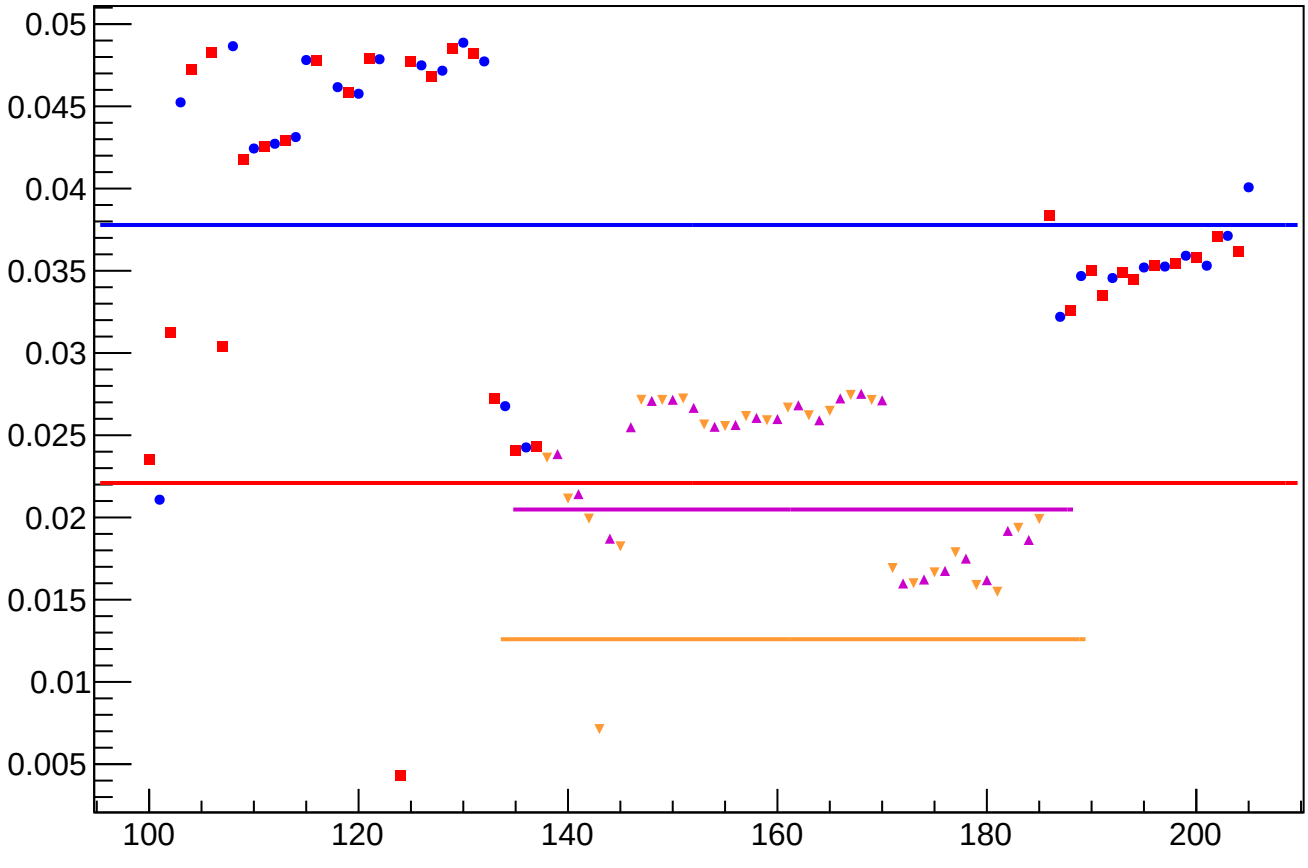
Left: 0.000+/-0.000 χ^2/NDF: 340709.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9361760.4/54

In: 0.000+/-0.000 χ^2/NDF:1882128.9/47

Out: 0.000+/-0.000 χ^2/NDF:7642275.7/54

All: 0.000+/-0.000 χ^2/NDF: 9897409.3/102



Right In: 0.038+/-0.000 χ^2/NDF: 7227987754.0/24

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 45914234655.1/29

Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

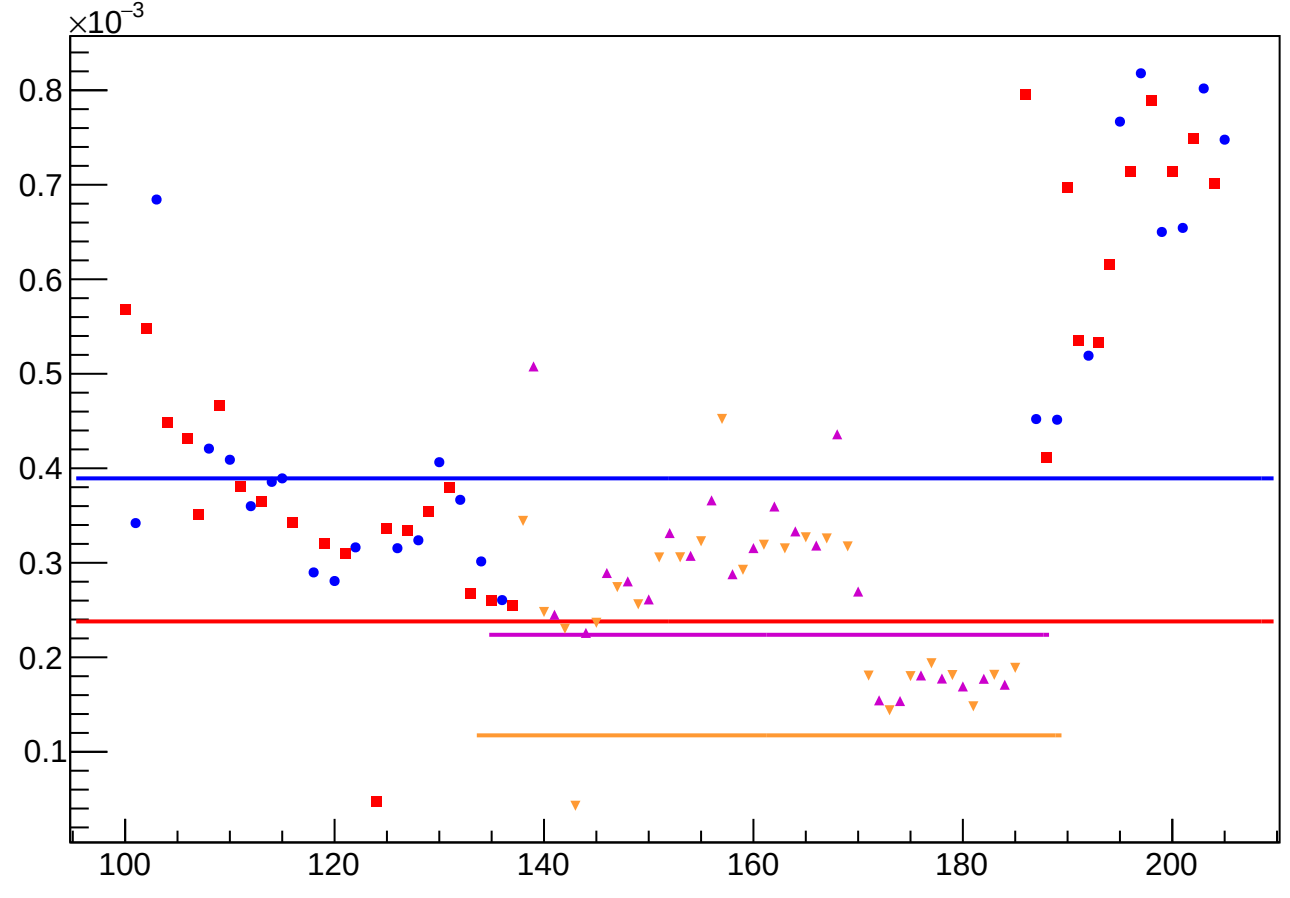
Left: 0.015+/-0.000 χ^2/NDF: 56833428679.6/47

Right: 0.028+/-0.000 χ^2/NDF: 65219513518.9/54

In: 0.024+/-0.000 χ^2/NDF:31302185632.8/47

Out: 0.014+/-0.000 χ^2/NDF:94033737095.7/54

All: 0.017+/-0.000 χ^2/NDF: 150925876984.9



Right In: 0.000+/-0.000 χ^2/NDF: 3334528.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12442198.1/29

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

Left: 0.000+/-0.000 χ^2/NDF: 22654672.2/47

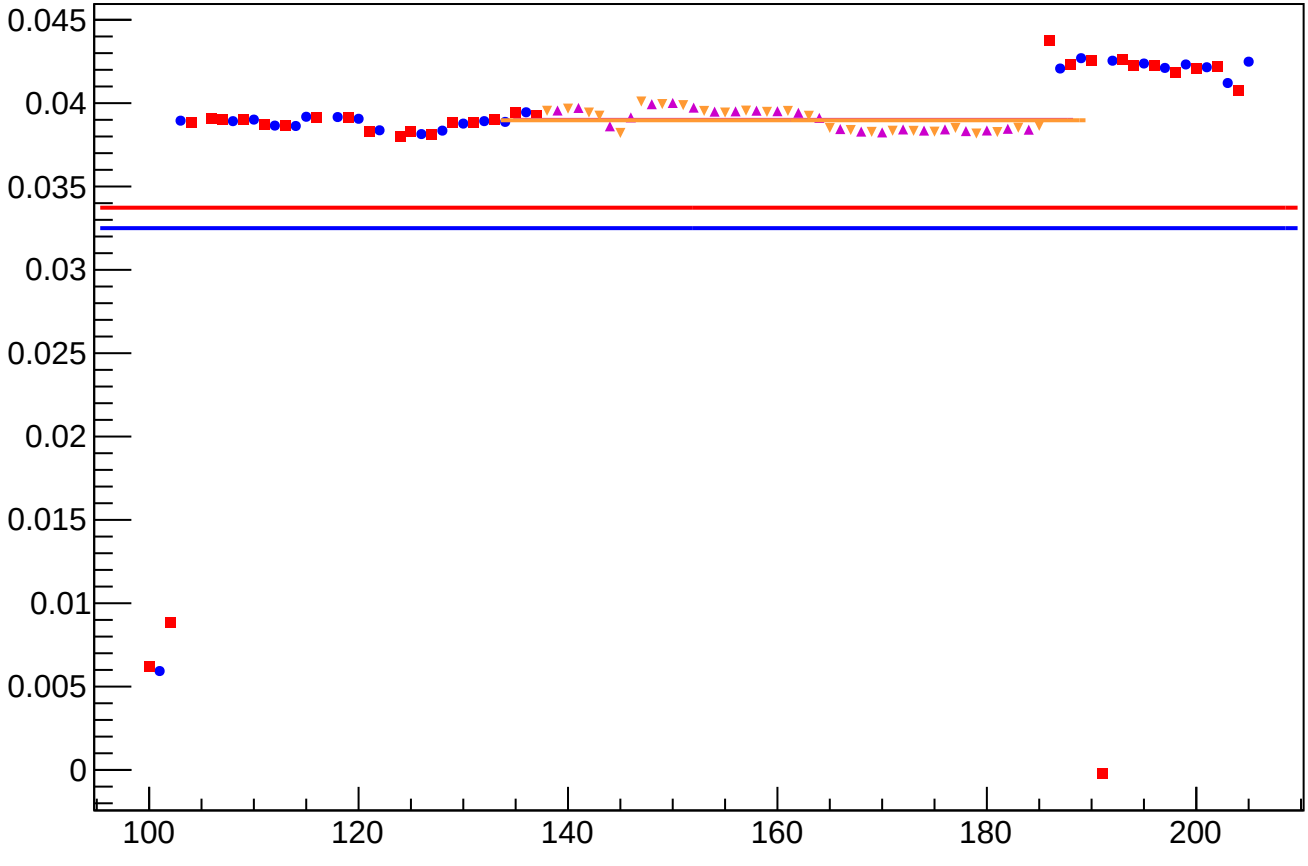
Right: 0.000+/-0.000 χ^2/NDF: 18025206.8/54

In: 0.000+/-0.000 χ^2/NDF:10012722.3/47

Out: 0.000+/-0.000 χ^2/NDF:30305047.7/54

All: 0.000+/-0.000 χ^2/NDF: 47982163.8/102

yield_atr1_mean vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 124031268492.8/24

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.034+/-0.000 χ^2/NDF: 115439480539.5/29

Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

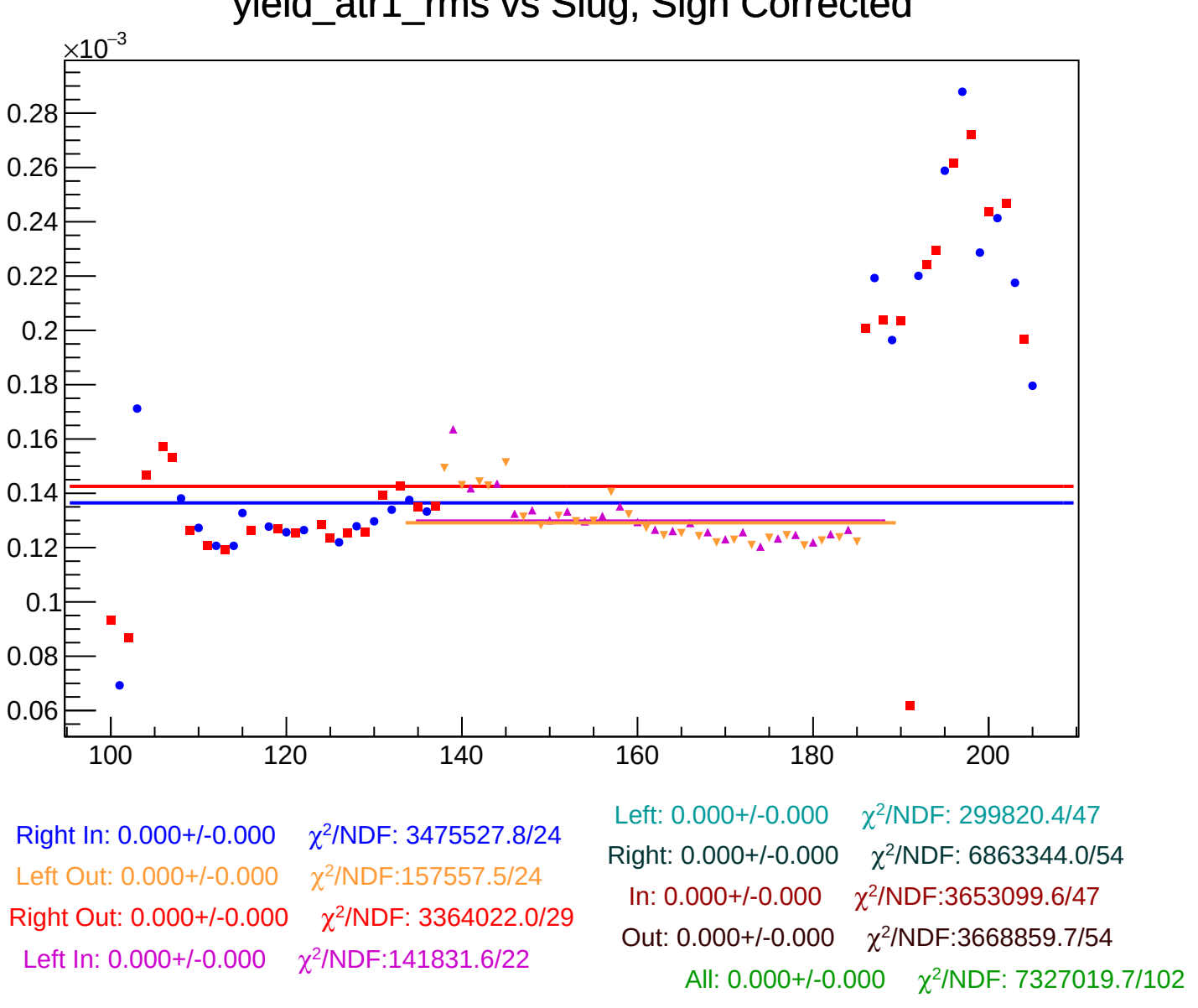
Left: 0.039+/-0.000 χ^2/NDF: 886762060.9/47

Right: 0.033+/-0.000 χ^2/NDF: 239952255490.4/54

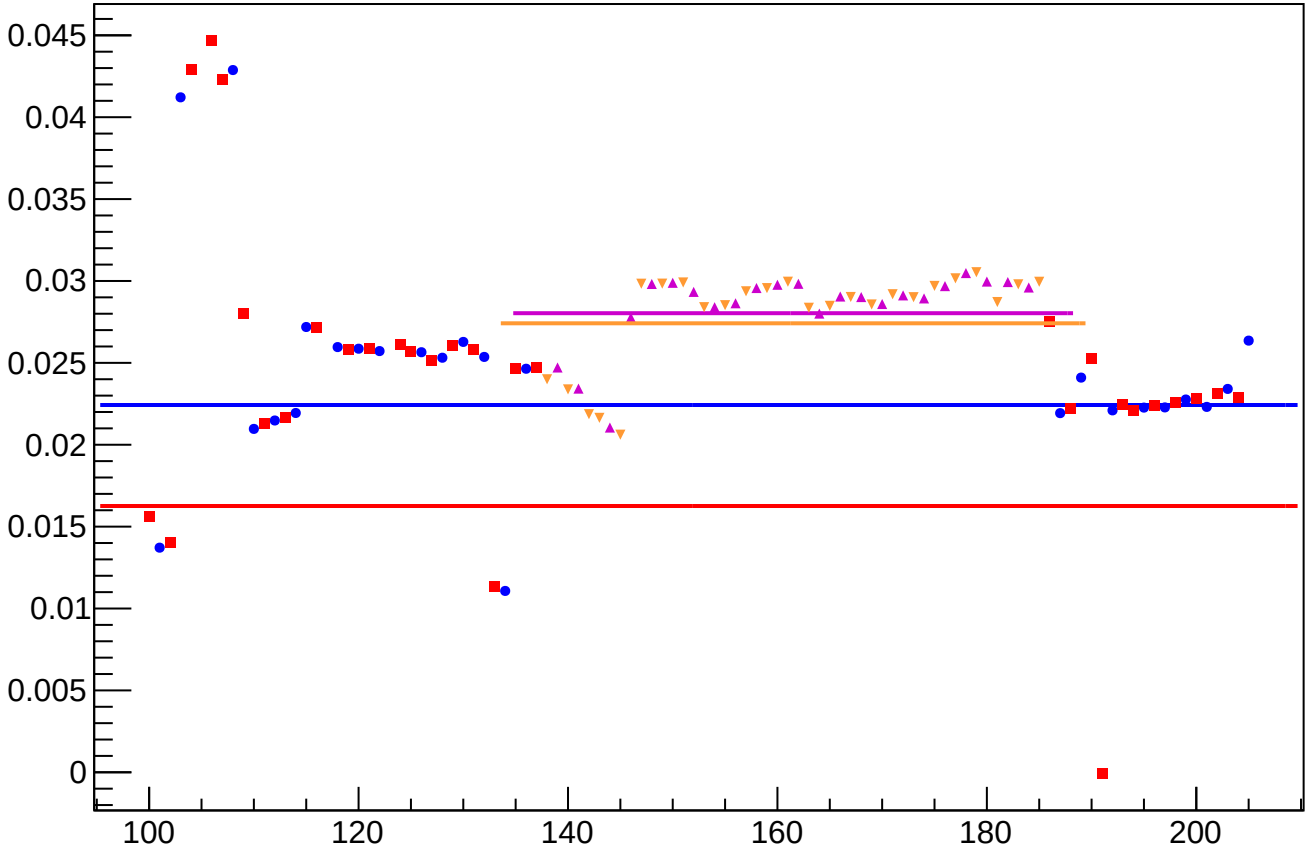
In: 0.037+/-0.000 χ^2/NDF:141260565736.6/47

Out: 0.037+/-0.000 χ^2/NDF:127163499540.0/54

All: 0.037+/-0.000 χ^2/NDF: 268660814531.1


yield_atr1_rms vs Slug, Sign Corrected
×10⁻³
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 3475527.8/24
Left Out: 0.000+/-0.000 χ²/NDF:157557.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 3364022.0/29
Left In: 0.000+/-0.000 χ²/NDF:141831.6/22
Left: 0.000+/-0.000 χ²/NDF: 299820.4/47
Right: 0.000+/-0.000 χ²/NDF: 6863344.0/54
In: 0.000+/-0.000 χ²/NDF:3653099.6/47
Out: 0.000+/-0.000 χ²/NDF:3668859.7/54
All: 0.000+/-0.000 χ²/NDF: 7327019.7/102

yield_atr2_mean vs Slug, Sign Corrected



Right In: 0.022+/-0.000 χ^2/NDF: 5051424400.1/24

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25242483341.2/29

Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

Left: 0.028+/-0.000 χ^2/NDF: 3768752418.2/47

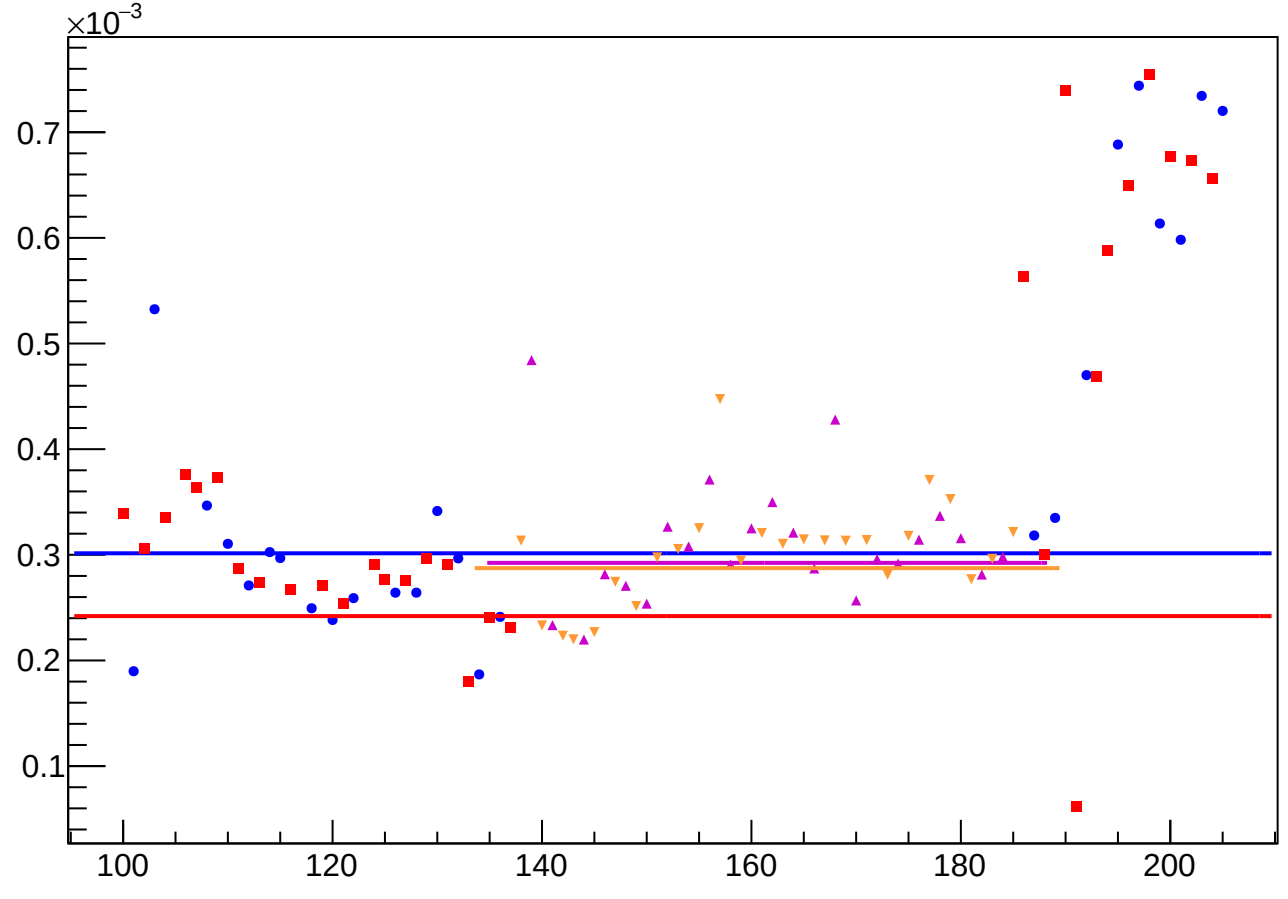
Right: 0.019+/-0.000 χ^2/NDF: 32921568270.1/54

In: 0.026+/-0.000 χ^2/NDF:8846957068.3/47

Out: 0.022+/-0.000 χ^2/NDF:38951312215.5/54

All: 0.024+/-0.000 χ^2/NDF: 49806845596.1/1

yield_atr2_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 4426652.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8840129.4/29

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

Left: 0.000+/-0.000 χ^2/NDF: 1796968.4/47

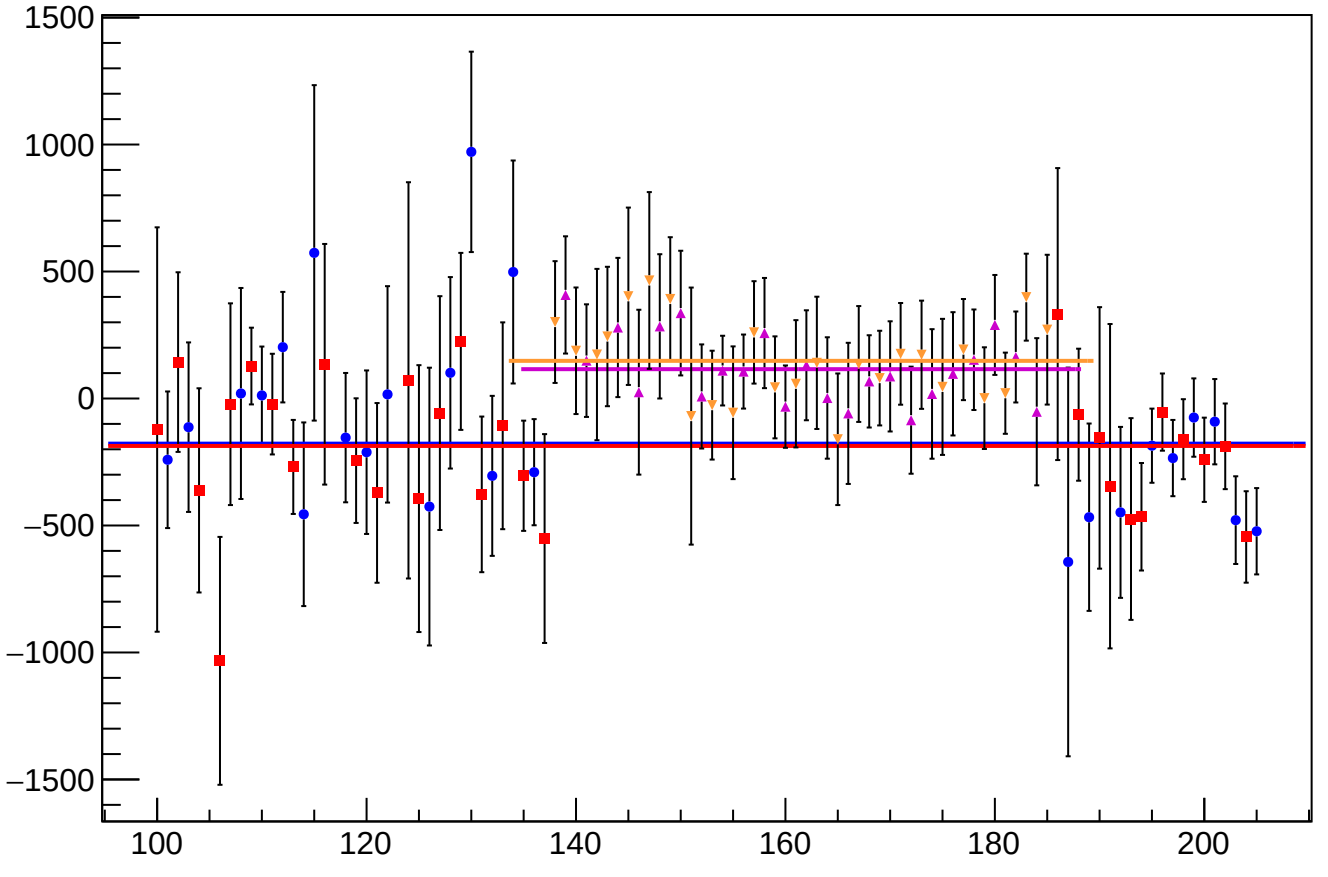
Right: 0.000+/-0.000 χ^2/NDF: 13755307.0/54

In: 0.000+/-0.000 χ^2/NDF:5409185.4/47

Out: 0.000+/-0.000 χ^2/NDF:10041804.4/54

All: 0.000+/-0.000 χ^2/NDF: 15728800.2/102

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -177.745+/-48.389 χ^2/NDF: 28.2/24

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: -186.785+/-46.904 χ^2/NDF: 21.7/29

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

Left: 130.913+/-31.703 χ^2/NDF: 18.4/47

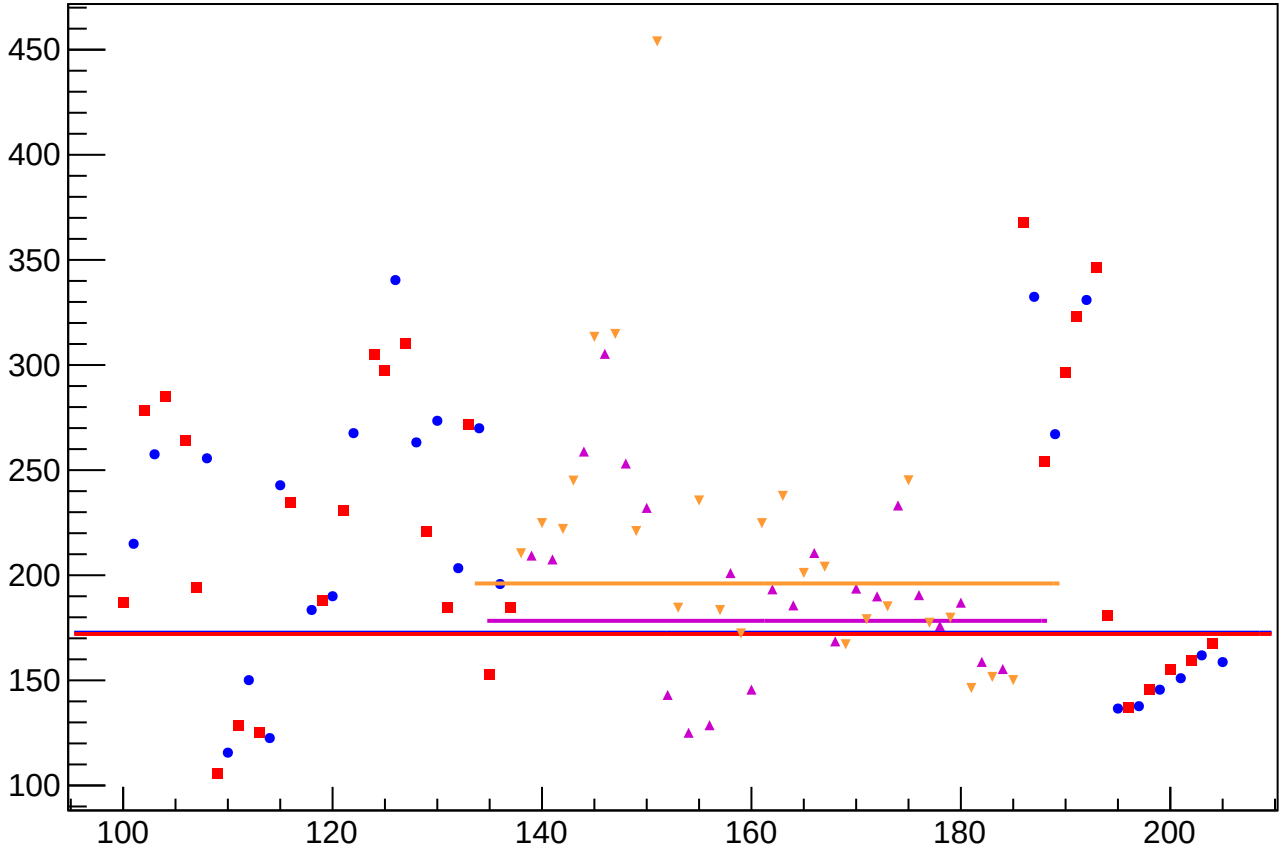
Right: -182.406+/-33.679 χ^2/NDF: 49.9/54

In: -15.799+/-32.378 χ^2/NDF:56.2/47

Out: -16.793+/-32.921 χ^2/NDF:58.0/54

All: -16.287+/-23.084 χ^2/NDF: 114.2/102

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.673+/-0.034 χ^2/NDF: 2208913.0/24

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 172.071+/-0.033 χ^2/NDF: 2902084.9/29

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

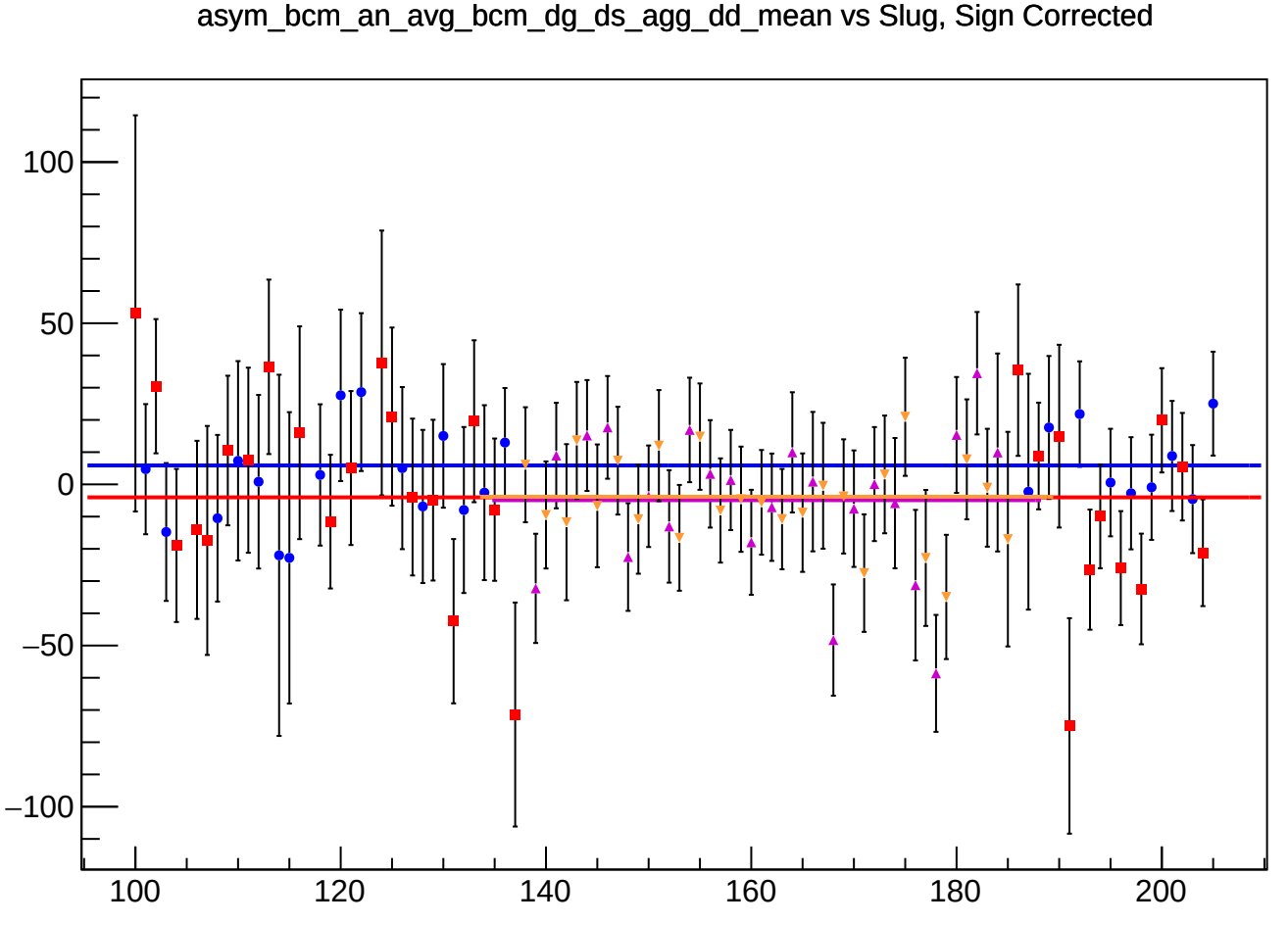
Left: 186.678+/-0.022 χ^2/NDF: 3653348.5/47

Right: 172.362+/-0.024 χ^2/NDF: 5111157.2/54

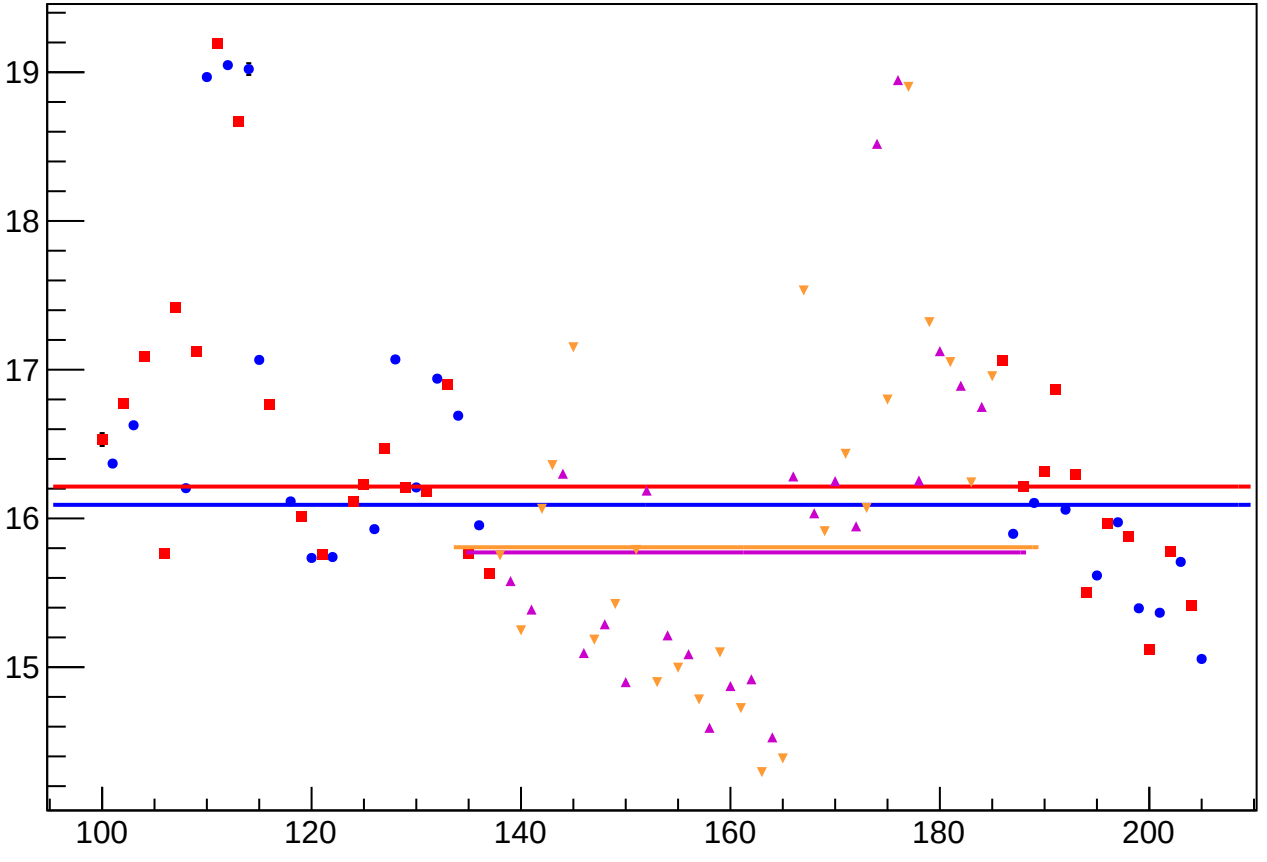
In: 175.790+/-0.023 χ^2/NDF:3902283.3/47

Out: 184.255+/-0.023 χ^2/NDF:4986592.5/54

All: 179.952+/-0.016 χ^2/NDF: 8956092.1/102


asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 5.874+/-4.293 χ²/NDF: 8.2/24
Left Out: -3.834+/-3.603 χ²/NDF:12.9/24
Right Out: -4.022+/-4.129 χ²/NDF: 33.7/29
Left In: -4.903+/-3.695 χ²/NDF:33.9/22
Left: -4.355+/-2.580 χ²/NDF: 46.8/47
Right: 0.733+/-2.976 χ²/NDF: 44.7/54
In: -0.316+/-2.801 χ²/NDF:45.7/47
Out: -3.916+/-2.715 χ²/NDF:46.6/54
All: -2.172+/-1.949 χ²/NDF: 93.2/102

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.091+/-0.003 χ^2/NDF: 75377.8/24

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.214+/-0.003 χ^2/NDF: 75773.7/29

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

Left: 15.789+/-0.002 χ^2/NDF: 324879.5/47

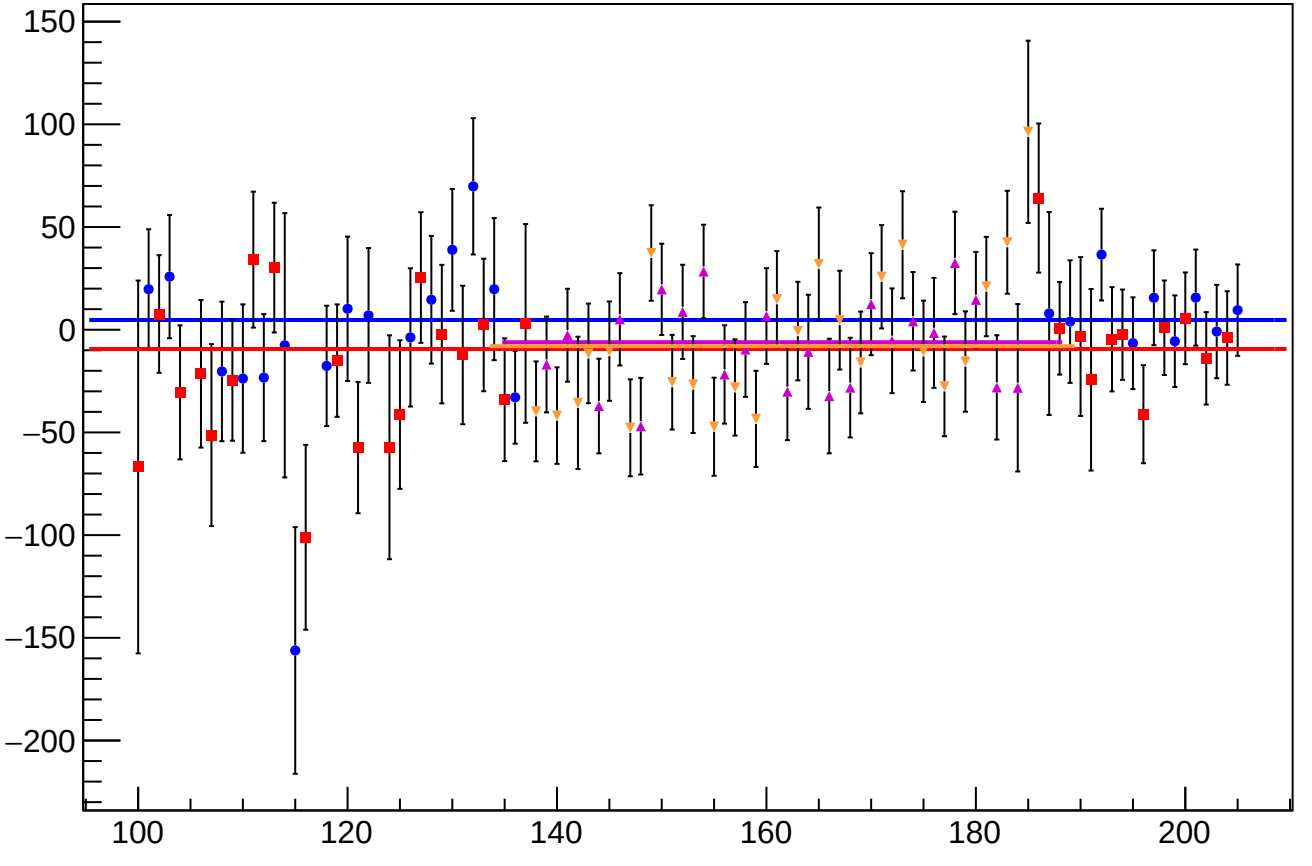
Right: 16.155+/-0.002 χ^2/NDF: 152001.1/54

In: 15.908+/-0.002 χ^2/NDF:233897.1/47

Out: 15.983+/-0.002 χ^2/NDF:259505.3/54

All: 15.946+/-0.001 χ^2/NDF: 494141.8/102

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.737+/-5.740 χ^2/NDF: 21.9/24

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: -9.372+/-5.514 χ^2/NDF: 23.0/29

Left In: -6.086+/-5.080 χ^2/NDF:17.9/22

Left: -7.075+/-3.547 χ^2/NDF: 56.8/47

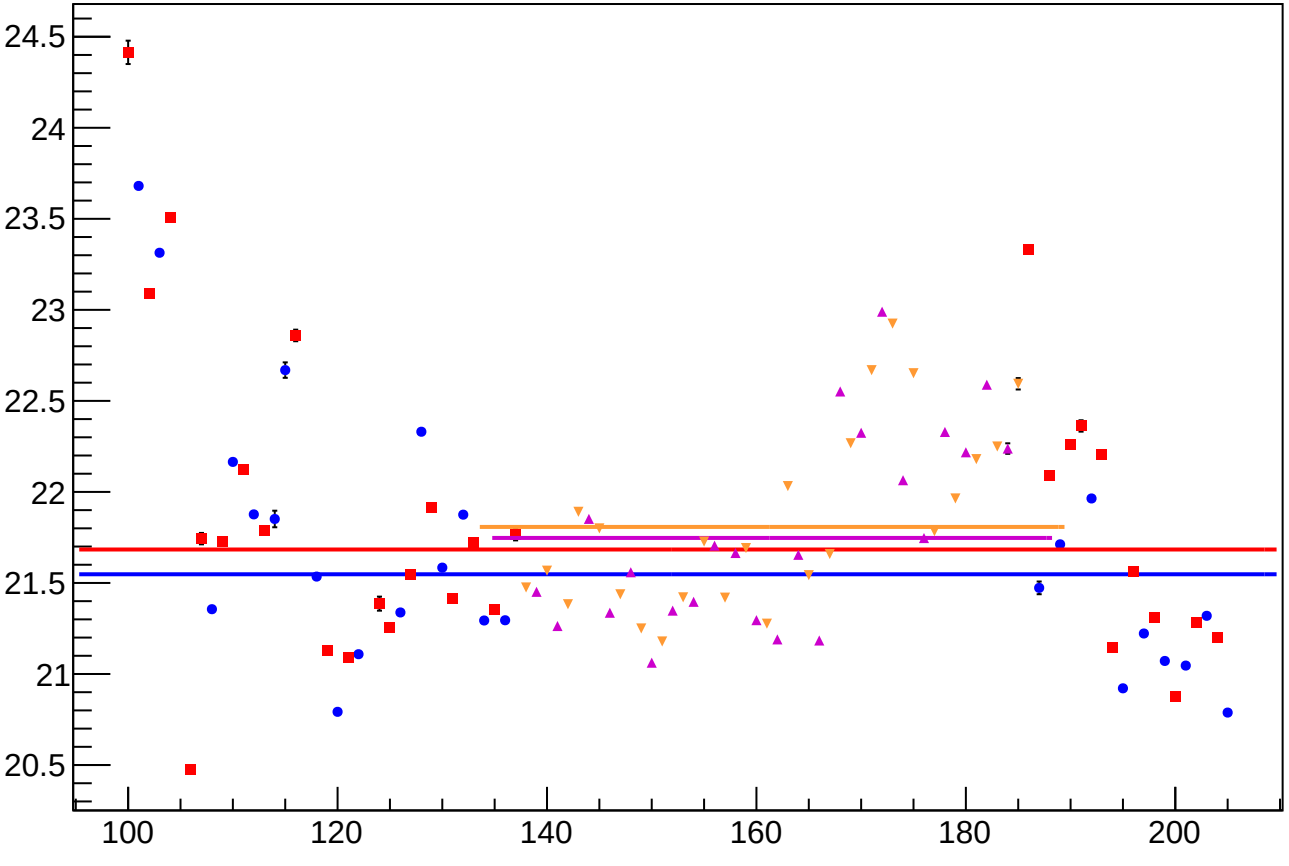
Right: -2.600+/-3.976 χ^2/NDF: 48.1/54

In: -1.332+/-3.804 χ^2/NDF:41.8/47

Out: -8.622+/-3.686 χ^2/NDF:61.9/54

All: -5.092+/-2.647 χ^2/NDF: 105.6/102

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.548+/-0.004 χ^2/NDF: 29506.7/24

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

Right Out: 21.684+/-0.004 χ^2/NDF: 31715.4/29

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

Left: 21.778+/-0.003 χ^2/NDF: 38266.9/47

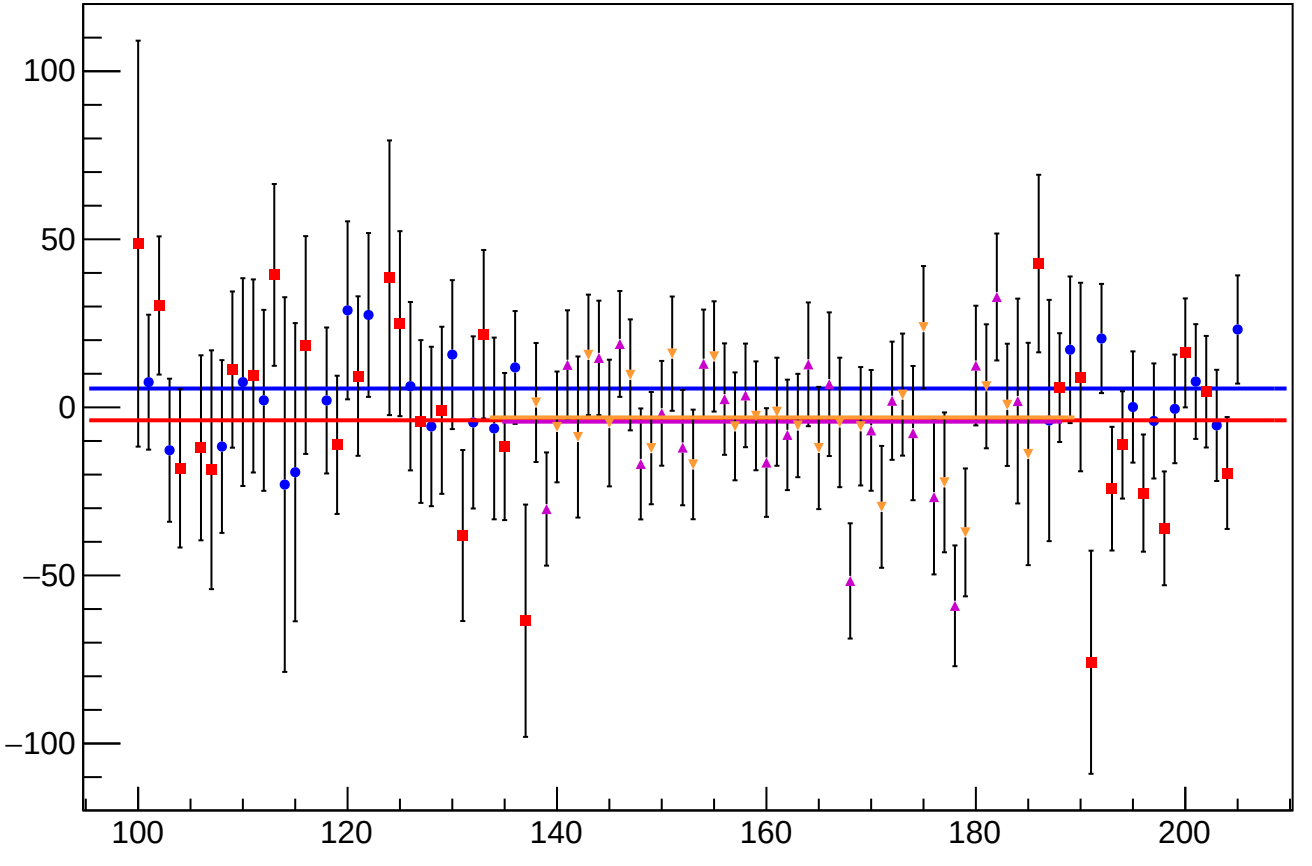
Right: 21.618+/-0.003 χ^2/NDF: 61806.3/54

In: 21.660+/-0.003 χ^2/NDF:51423.5/47

Out: 21.752+/-0.003 χ^2/NDF:49835.6/54

All: 21.707+/-0.002 χ^2/NDF: 101871.6/102

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 5.608+/-4.262 χ^2/NDF: 7.7/24

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

Right Out: -3.845+/-4.099 χ^2/NDF: 34.1/29

Left In: -4.249+/-3.661 χ^2/NDF:33.8/22

Left: -3.610+/-2.555 χ^2/NDF: 48.5/47

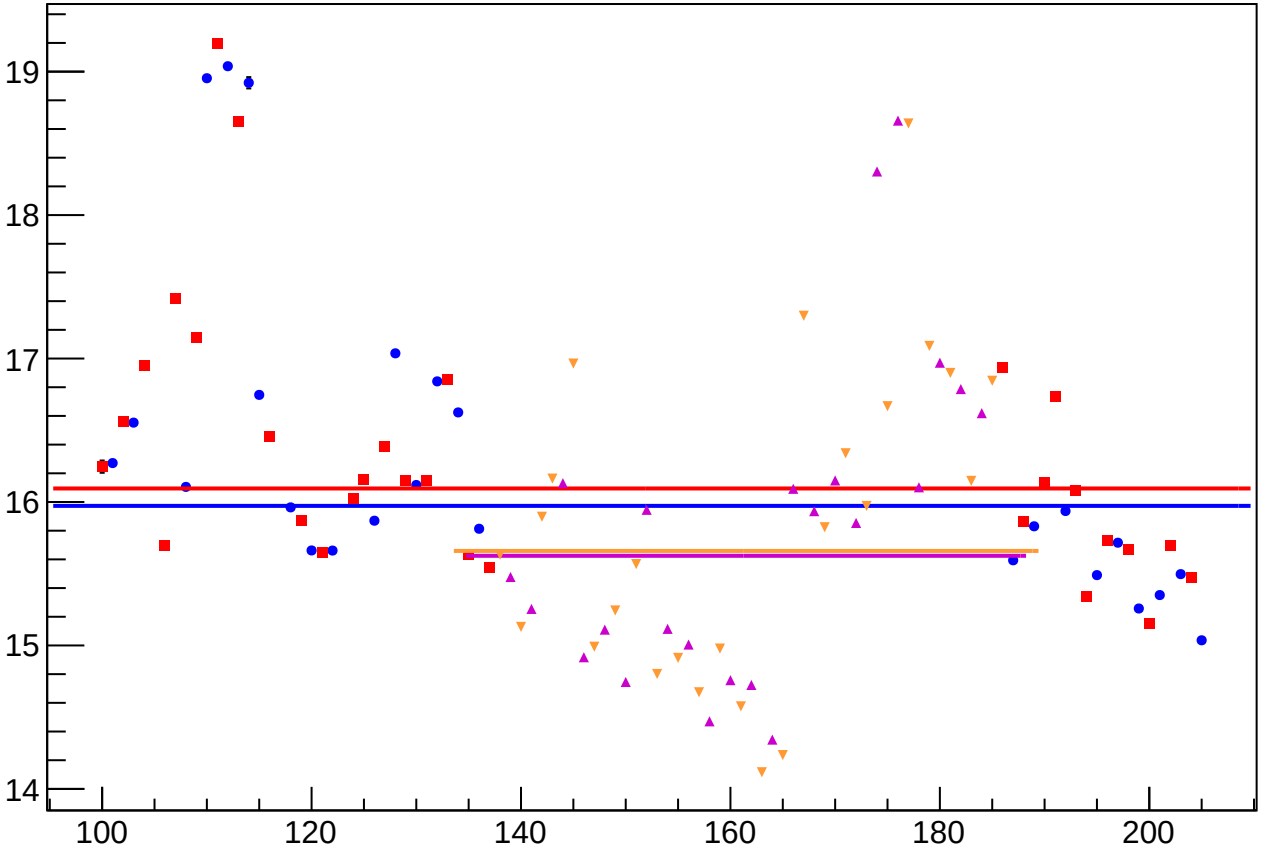
Right: 0.697+/-2.954 χ^2/NDF: 44.3/54

In: -0.064+/-2.777 χ^2/NDF:44.6/47

Out: -3.366+/-2.691 χ^2/NDF:48.7/54

All: -1.767+/-1.933 χ^2/NDF: 94.1/102

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 15.973+/-0.003 χ^2/NDF: 78584.9/24

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

Right Out: 16.094+/-0.003 χ^2/NDF: 77376.1/29

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

Left: 15.642+/-0.002 χ^2/NDF: 320358.4/47

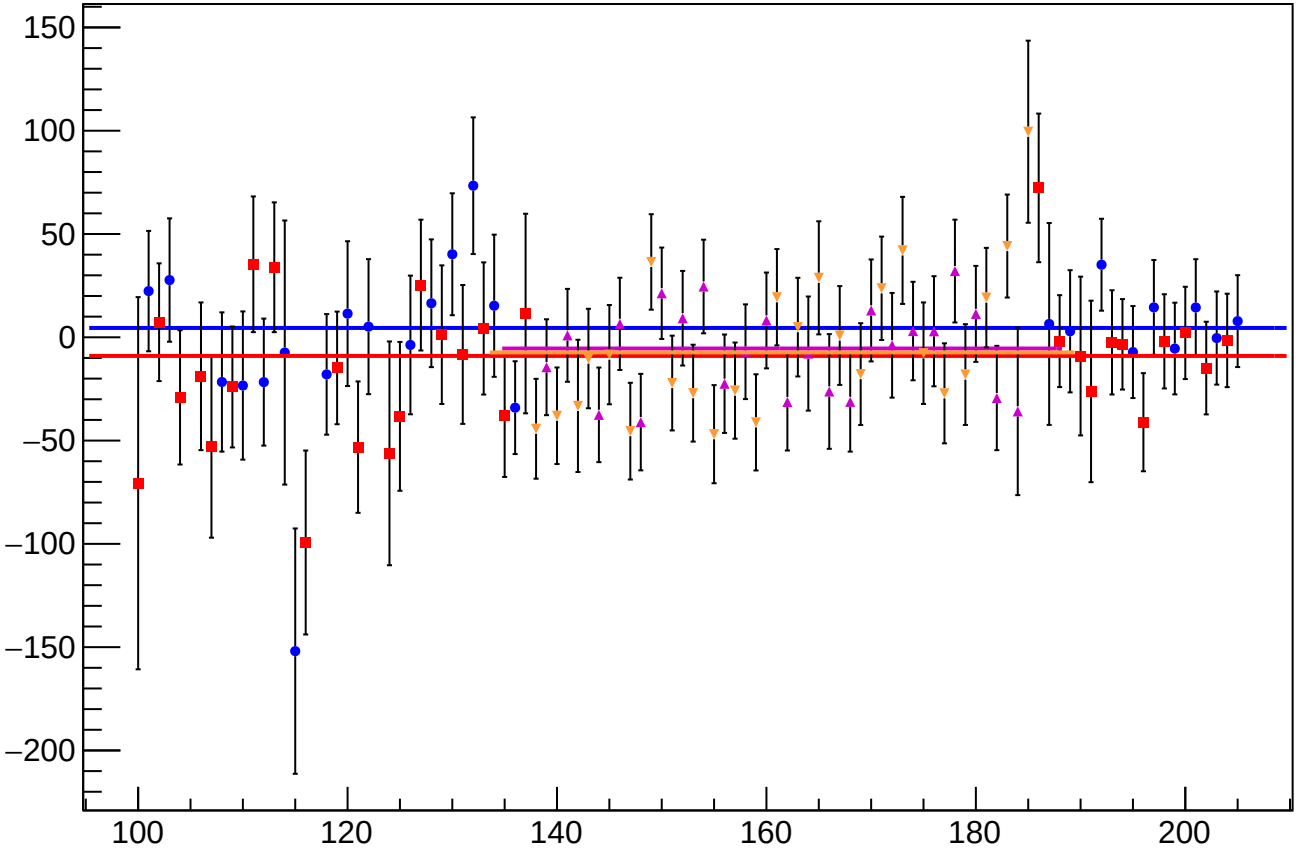
Right: 16.036+/-0.002 χ^2/NDF: 156801.9/54

In: 15.773+/-0.002 χ^2/NDF:236689.7/47

Out: 15.847+/-0.002 χ^2/NDF:260047.0/54

All: 15.811+/-0.001 χ^2/NDF: 497466.5/102

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 4.527+/-5.713 χ^2/NDF: 22.4/24

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

Right Out: -9.017+/-5.484 χ^2/NDF: 24.1/29

Left In: -5.435+/-5.054 χ^2/NDF:17.3/22

Left: -6.400+/-3.529 χ^2/NDF: 56.0/47

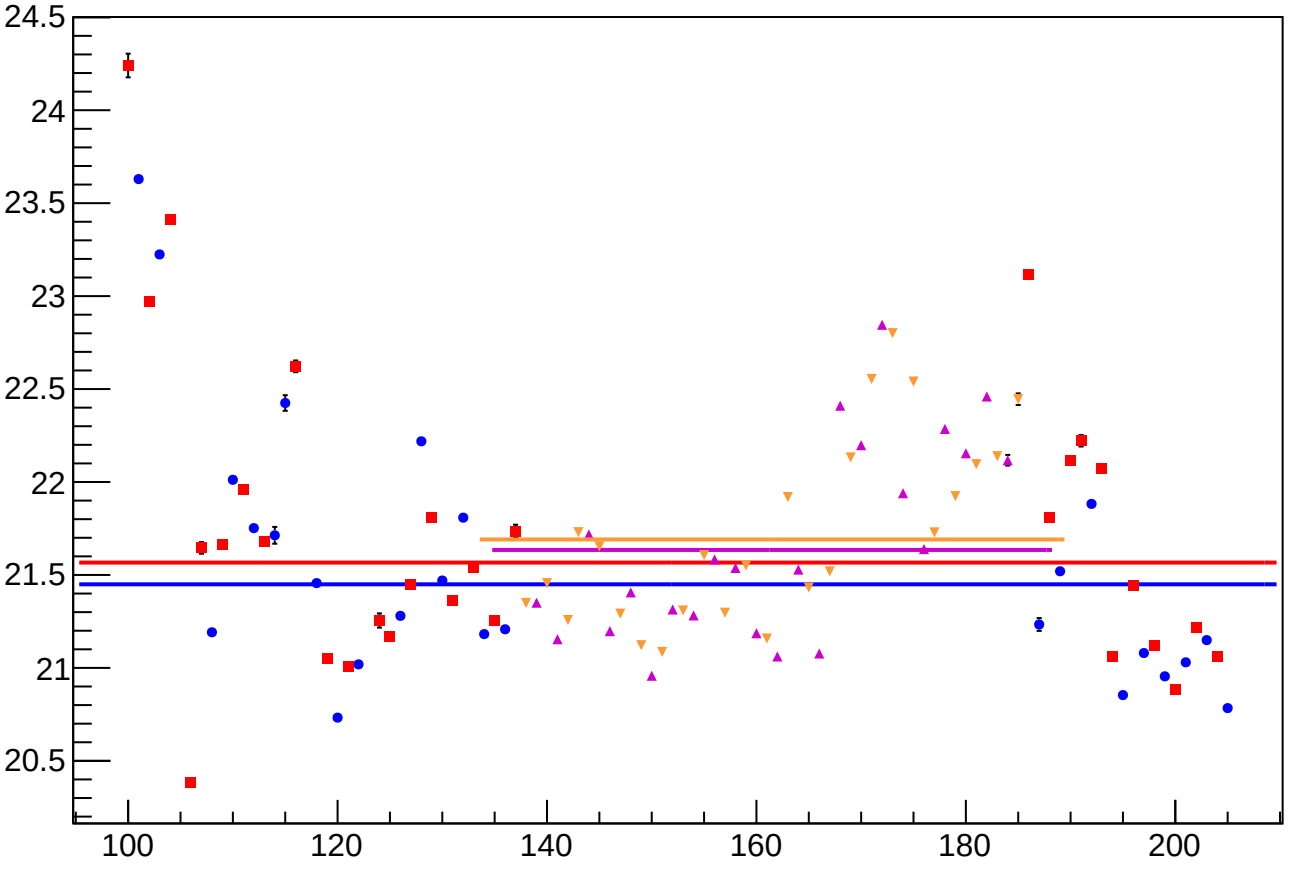
Right: -2.522+/-3.956 χ^2/NDF: 49.4/54

In: -1.062+/-3.785 χ^2/NDF:41.4/47

Out: -8.077+/-3.666 χ^2/NDF:62.8/54

All: -4.682+/-2.633 χ^2/NDF: 105.9/102

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 21.450+/-0.004 χ^2/NDF: 29239.3/24

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.567+/-0.004 χ^2/NDF: 29660.5/29

Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

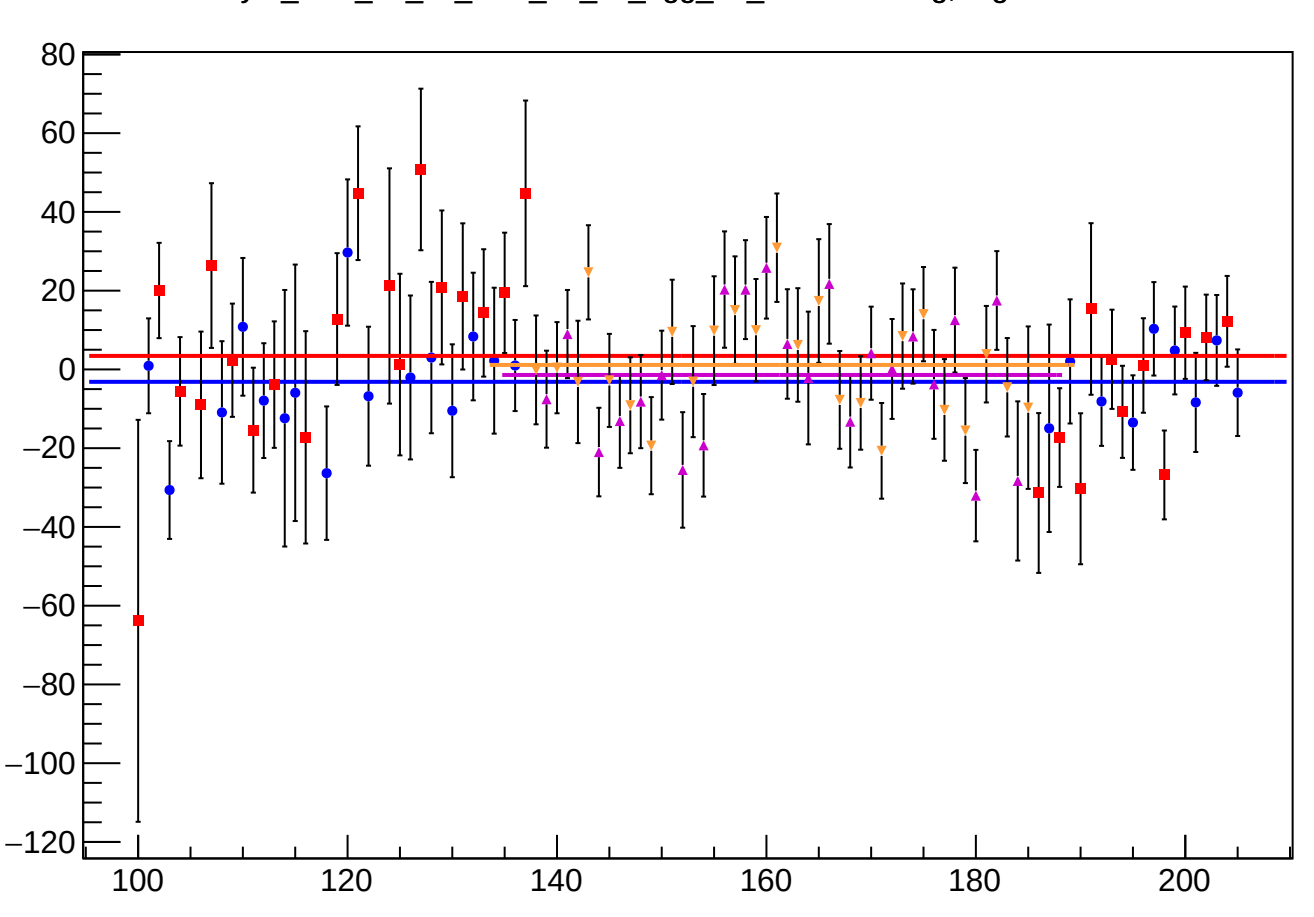
Left: 21.663+/-0.002 χ^2/NDF: 38623.9/47

Right: 21.511+/-0.003 χ^2/NDF: 59336.3/54

In: 21.553+/-0.003 χ^2/NDF:50975.6/47

Out: 21.635+/-0.003 χ^2/NDF:48163.1/54

All: 21.596+/-0.002 χ^2/NDF: 99622.9/102



Right In: -3.150+/-2.935 χ^2/NDF: 16.2/24

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: 3.435+/-2.830 χ^2/NDF: 44.7/29

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

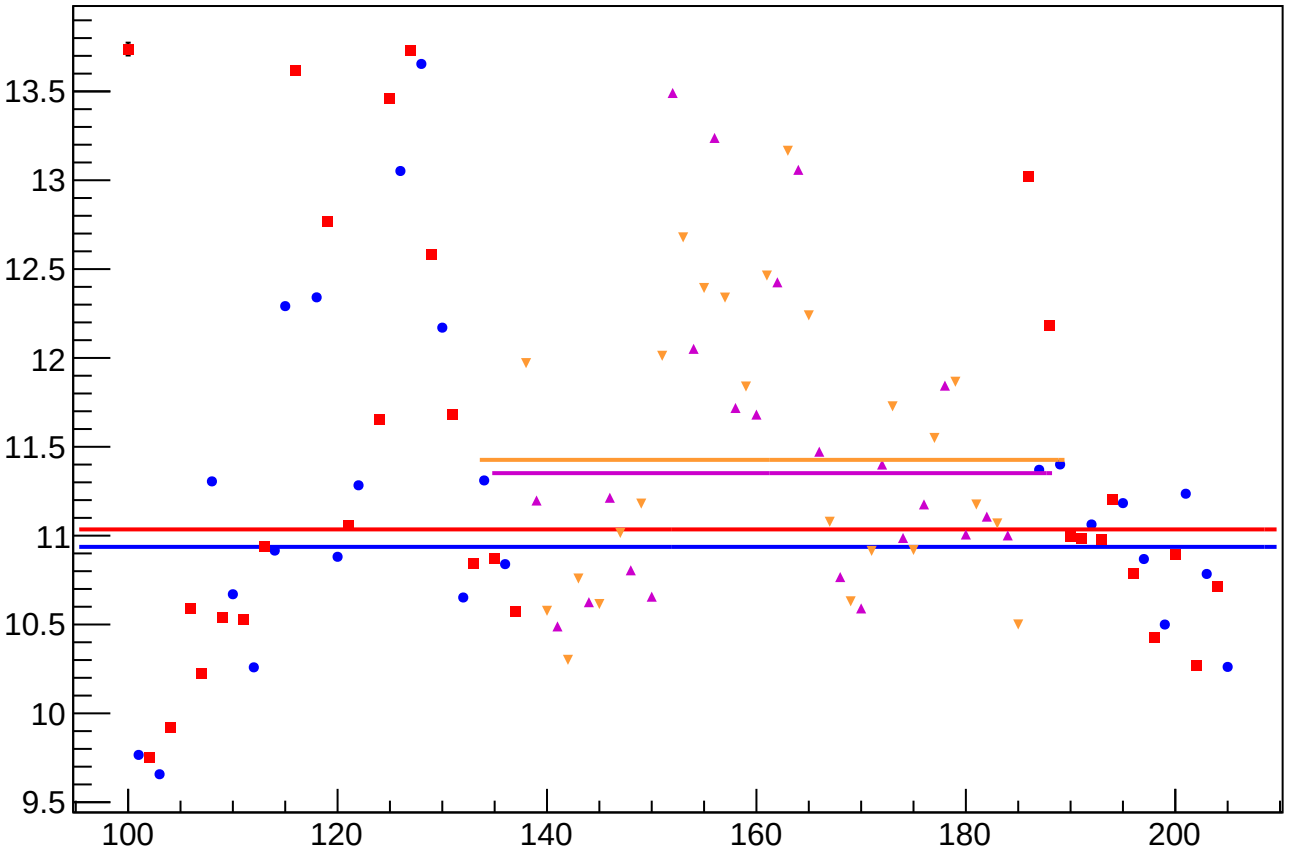
Left: -0.108+/-1.871 χ^2/NDF: 61.3/47

Right: 0.262+/-2.037 χ^2/NDF: 63.5/54

In: -2.197+/-1.977 χ^2/NDF:52.7/47

Out: 2.198+/-1.923 χ^2/NDF:69.6/54

All: 0.061+/-1.378 χ^2/NDF: 124.8/102



Right In: 10.937+/-0.002 χ^2/NDF: 152137.3/24

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

Right Out: 11.035+/-0.002 χ^2/NDF: 218319.9/29

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

Left: 11.390+/-0.001 χ^2/NDF: 328334.9/47

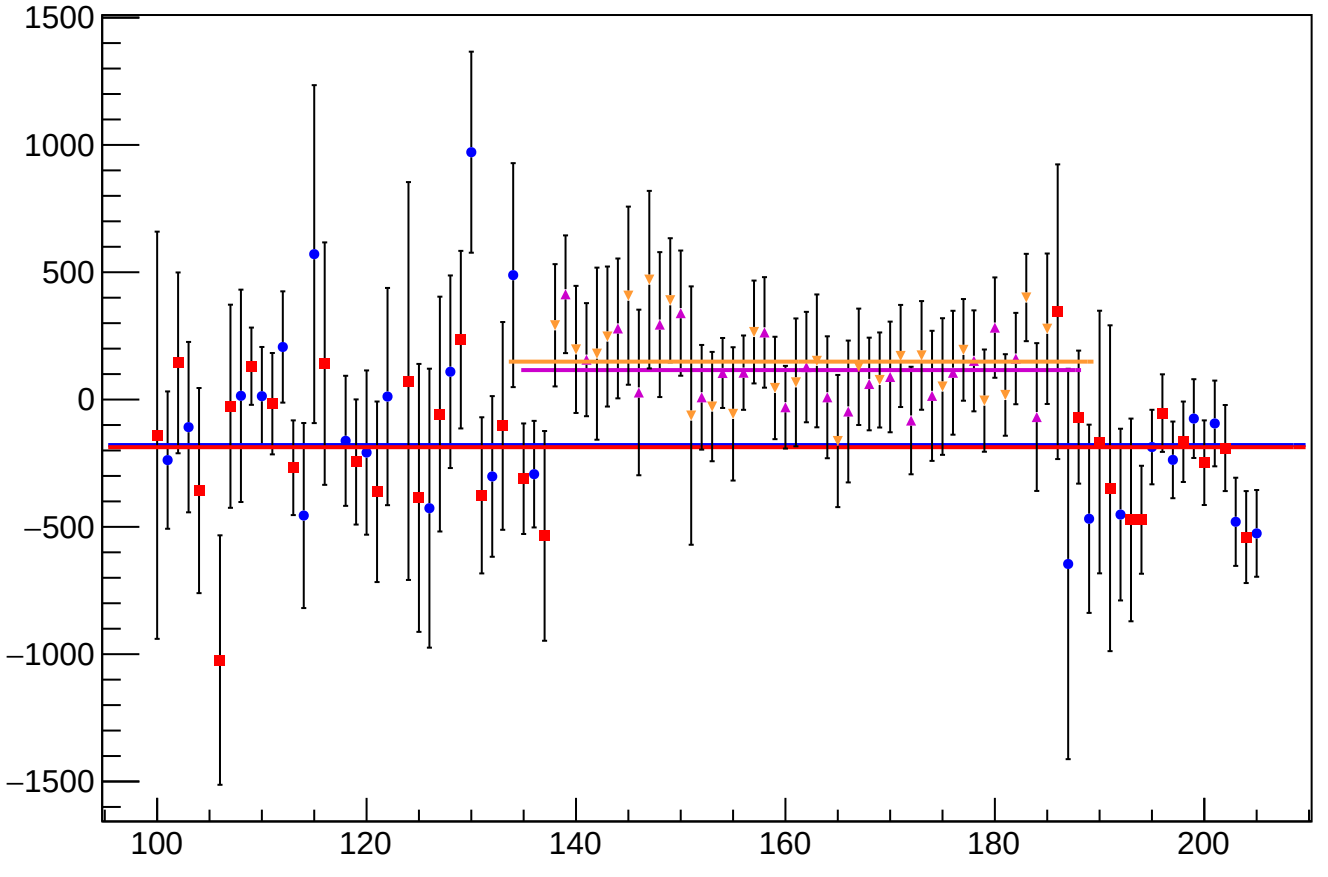
Right: 10.988+/-0.001 χ^2/NDF: 371619.6/54

In: 11.164+/-0.001 χ^2/NDF:344543.0/47

Out: 11.246+/-0.001 χ^2/NDF:395891.9/54

All: 11.206+/-0.001 χ^2/NDF: 742218.2/102

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug, Sign Corrected



Right In: -178.708+/-48.520 χ^2/NDF: 28.2/24

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -187.095+/-47.036 χ^2/NDF: 21.7/29

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

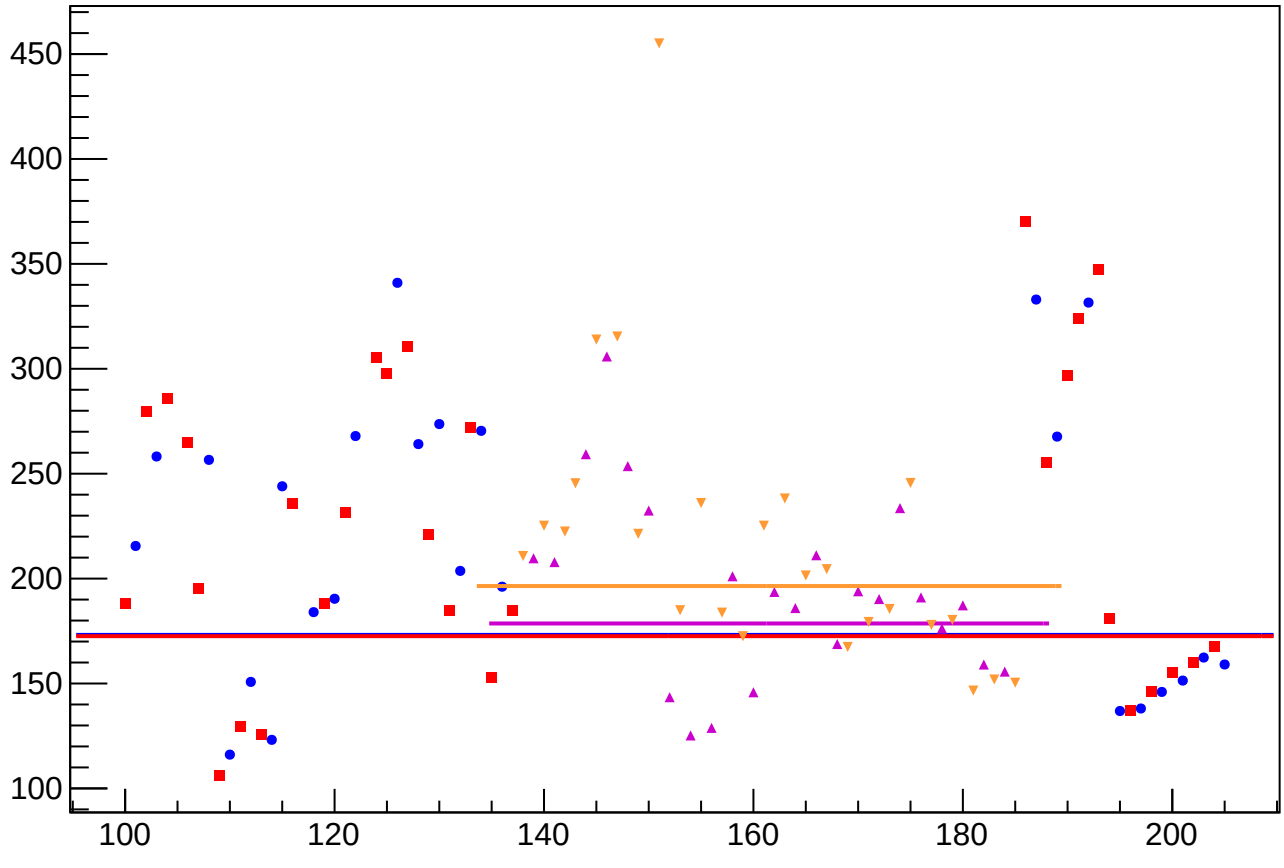
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -183.032+/-33.772 χ^2/NDF: 49.9/54

In: -15.956+/-32.447 χ^2/NDF:56.3/47

Out: -16.470+/-32.998 χ^2/NDF:58.1/54

All: -16.209+/-23.136 χ^2/NDF: 114.4/102



Right In: 173.159+/-0.034 χ^2/NDF: 2203393.1/24

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.566+/-0.033 χ^2/NDF: 2898741.0/29

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

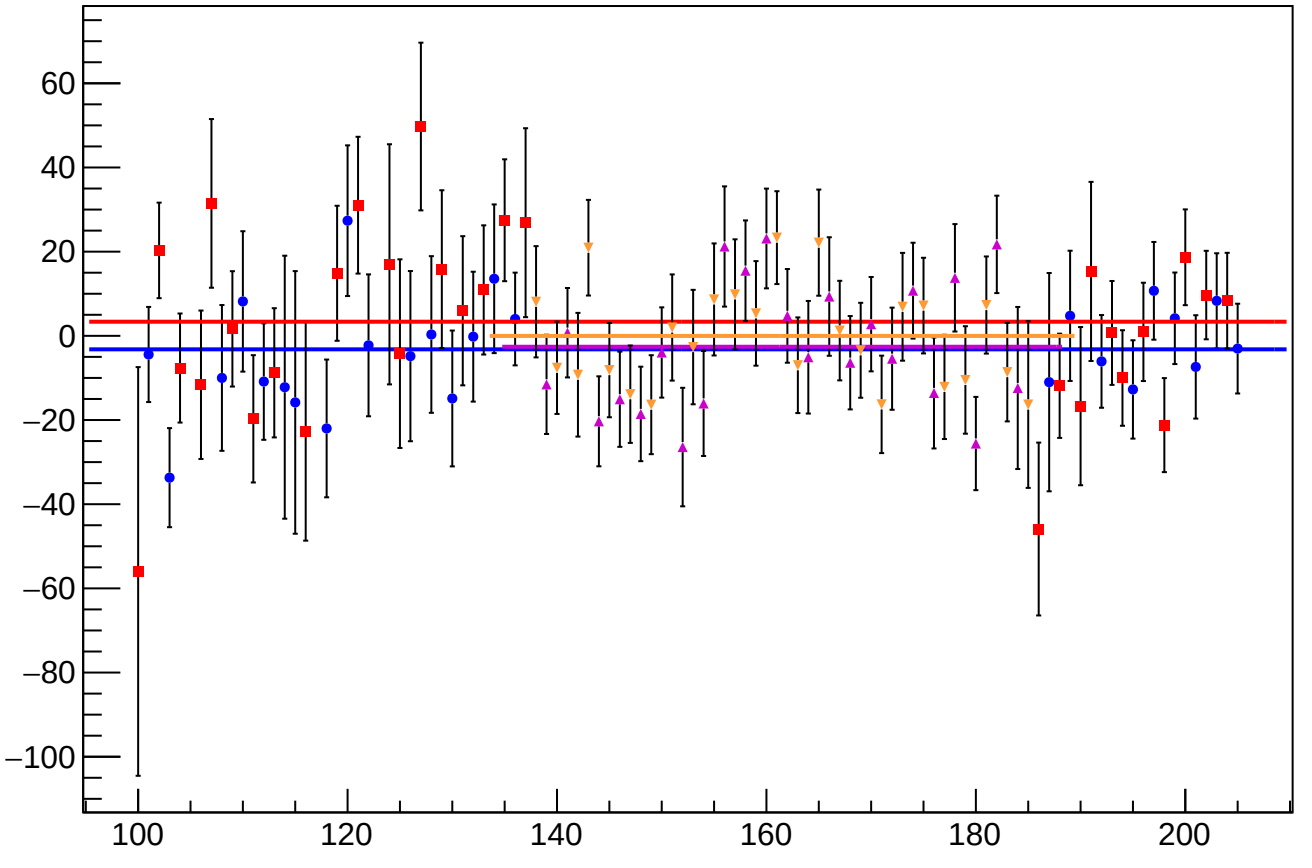
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 172.853+/-0.024 χ^2/NDF: 5102288.4/54

In: 176.175+/-0.023 χ^2/NDF:3896225.4/47

Out: 184.697+/-0.023 χ^2/NDF:4979463.4/54

All: 180.364+/-0.016 χ^2/NDF: 8943508.9/102



Right In: -3.208+/-2.831 χ^2/NDF: 18.2/24

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.357+/-2.733 χ^2/NDF: 42.3/29

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

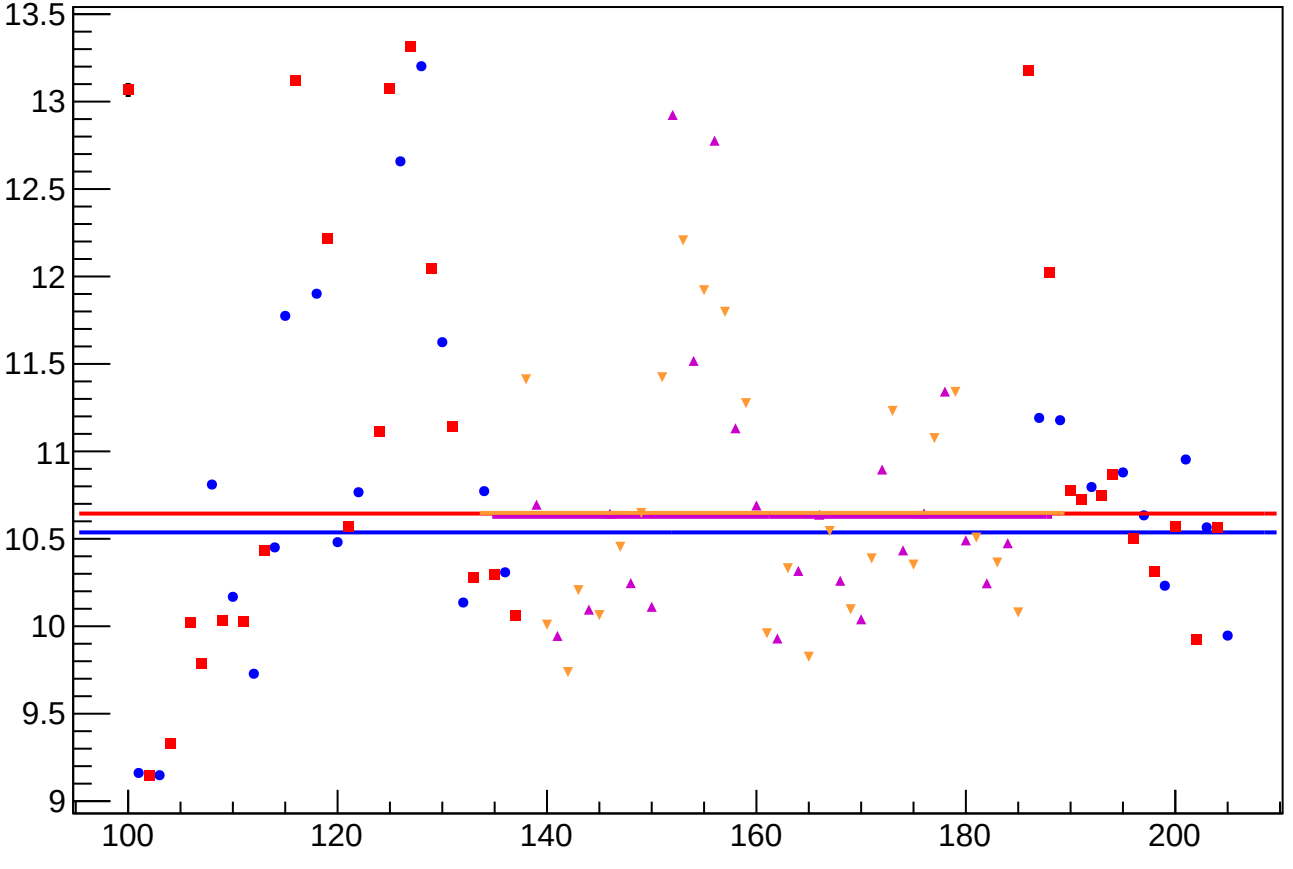
Right: 0.189+/-1.966 χ^2/NDF: 63.2/54

In: -2.862+/-1.876 χ^2/NDF:53.0/47

Out: 1.482+/-1.822 χ^2/NDF:66.9/54

All: -0.627+/-1.307 χ^2/NDF: 122.6/102

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug, Sign Corrected



Right In: 10.537+/-0.002 χ^2/NDF: 175629.8/24

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.644+/-0.002 χ^2/NDF: 256106.6/29

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

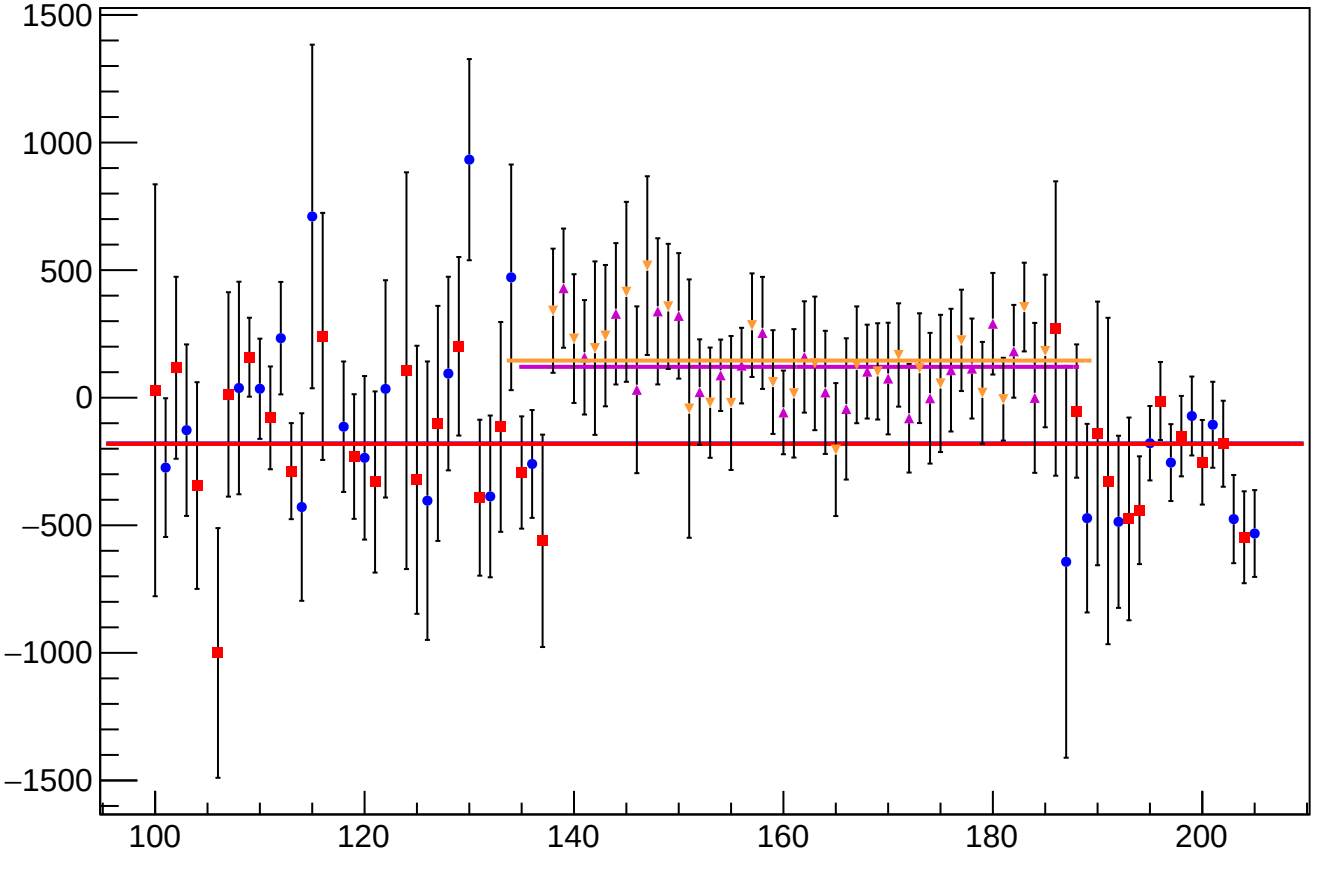
Right: 10.592+/-0.001 χ^2/NDF: 433235.6/54

In: 10.587+/-0.001 χ^2/NDF:336282.7/47

Out: 10.647+/-0.001 χ^2/NDF:399644.9/54

All: 10.617+/-0.001 χ^2/NDF: 736979.3/102

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -179.117+/-48.620 χ^2/NDF: 29.0/24

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: -181.192+/-47.212 χ^2/NDF: 21.9/29

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

Left: 132.504+/-31.994 χ^2/NDF: 18.7/47

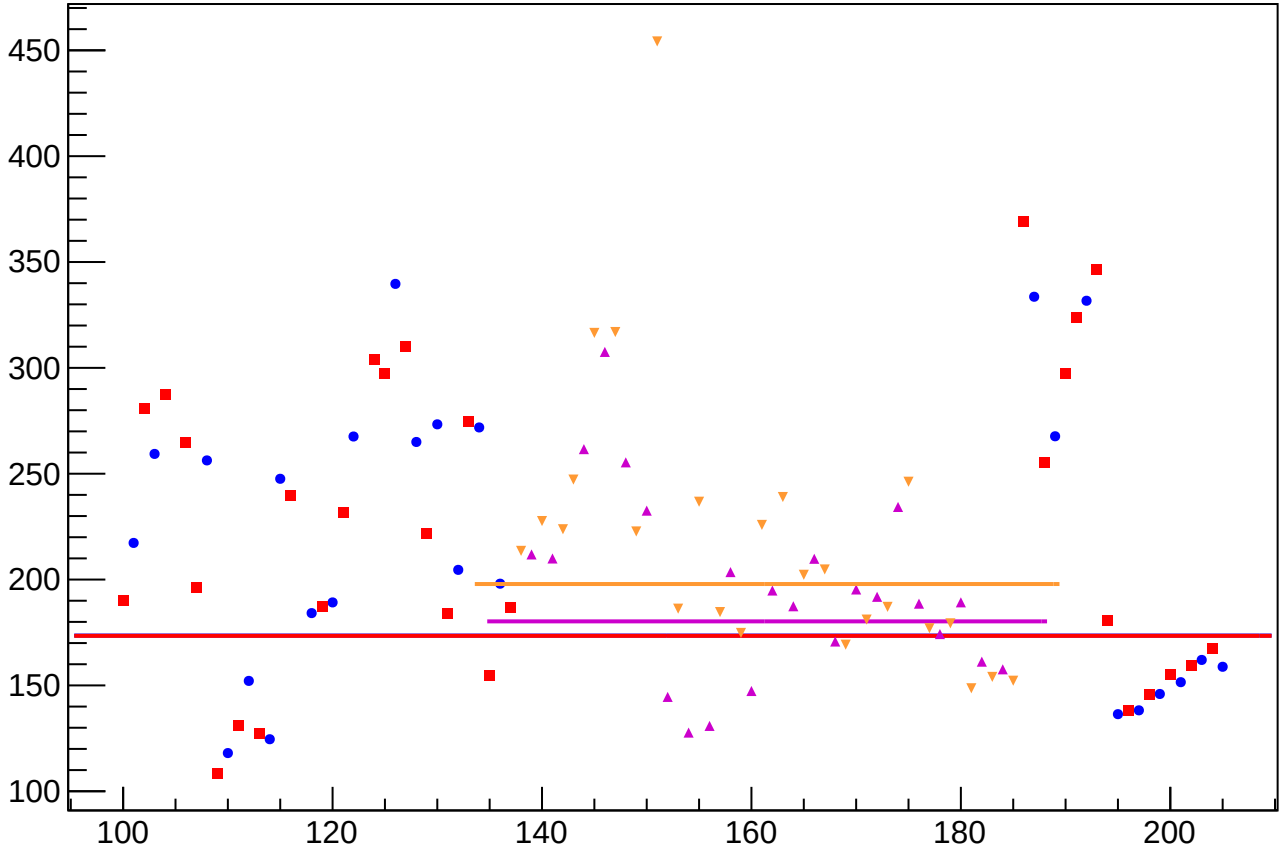
Right: -180.185+/-33.871 χ^2/NDF: 51.0/54

In: -14.168+/-32.622 χ^2/NDF:58.2/47

Out: -15.739+/-33.170 χ^2/NDF:56.4/54

All: -14.941+/-23.258 χ^2/NDF: 114.7/102

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.551+/-0.034 χ^2/NDF: 2197484.5/24

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

Right Out: 173.416+/-0.033 χ^2/NDF: 2842915.5/29

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

Left: 188.560+/-0.023 χ^2/NDF: 3568150.7/47

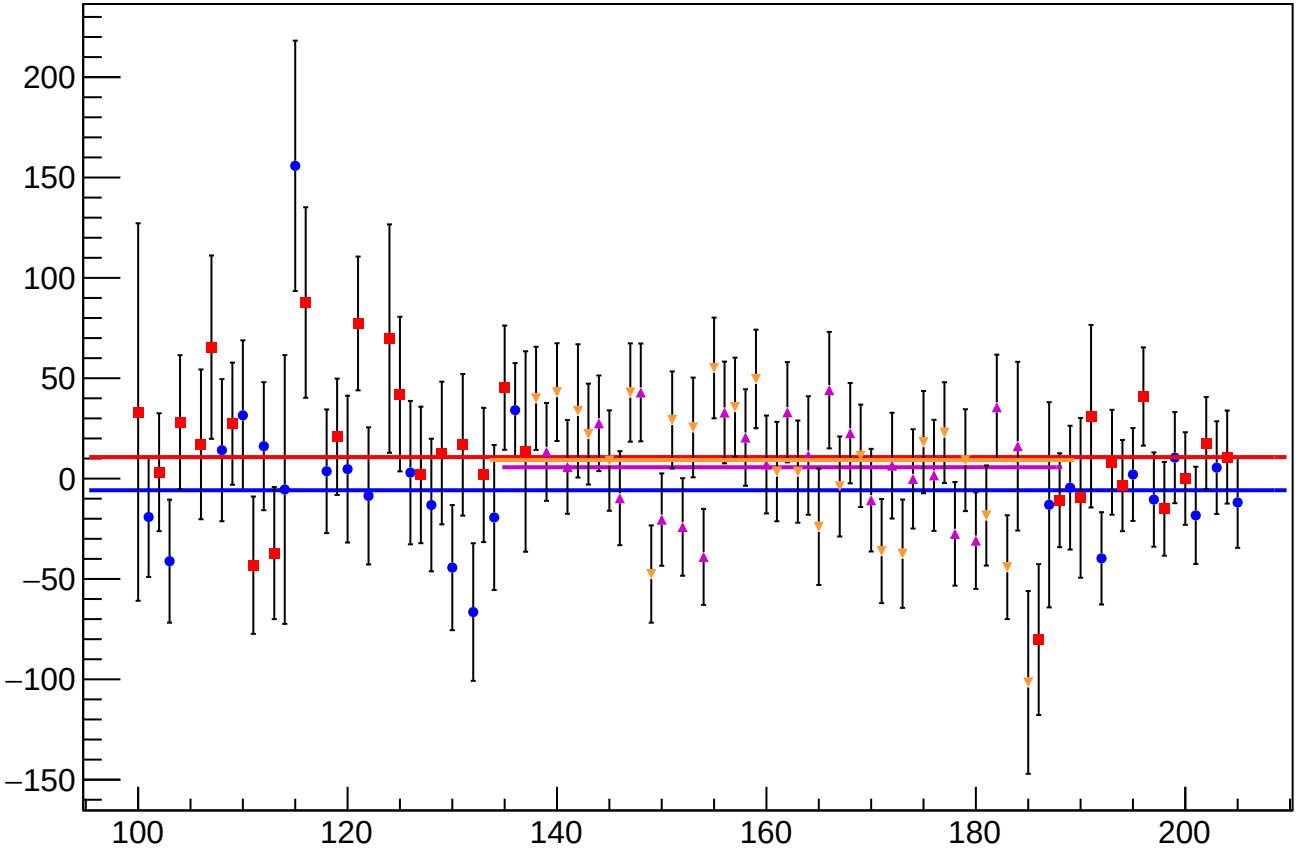
Right: 173.482+/-0.024 χ^2/NDF: 5040408.0/54

In: 177.233+/-0.023 χ^2/NDF:3846122.7/47

Out: 185.809+/-0.023 χ^2/NDF:4903930.0/54

All: 181.450+/-0.016 χ^2/NDF: 8818012.6/102

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -5.806+/-5.927 χ^2/NDF: 21.5/24

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: 10.728+/-5.703 χ^2/NDF: 27.3/29

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.493+/-3.693 χ^2/NDF: 60.5/47

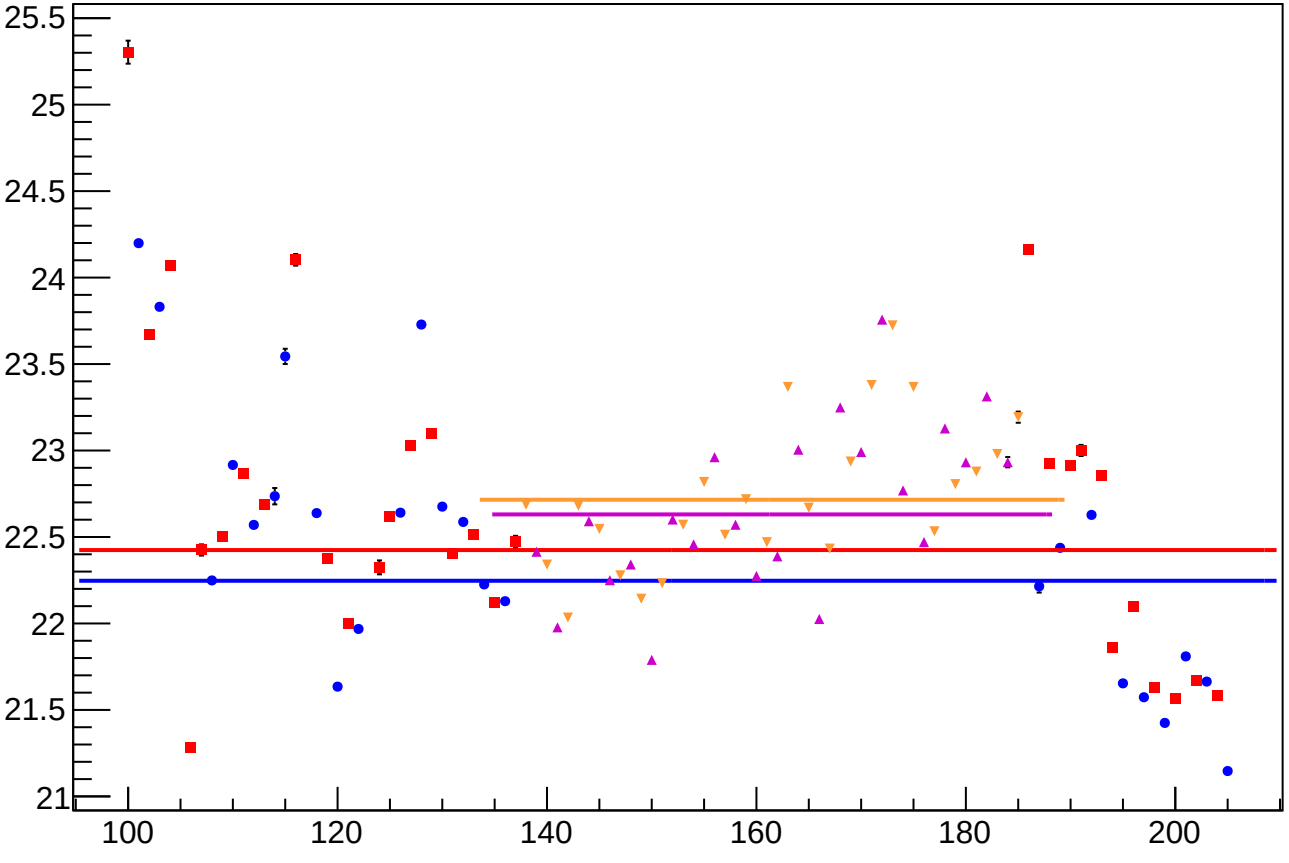
Right: 2.779+/-4.109 χ^2/NDF: 52.8/54

In: 0.584+/-3.945 χ^2/NDF:44.4/47

Out: 9.907+/-3.827 χ^2/NDF:66.8/54

All: 5.387+/-2.747 χ^2/NDF: 114.0/102

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.247+/-0.004 χ^2/NDF: 34498.6/24

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.424+/-0.004 χ^2/NDF: 34965.1/29

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

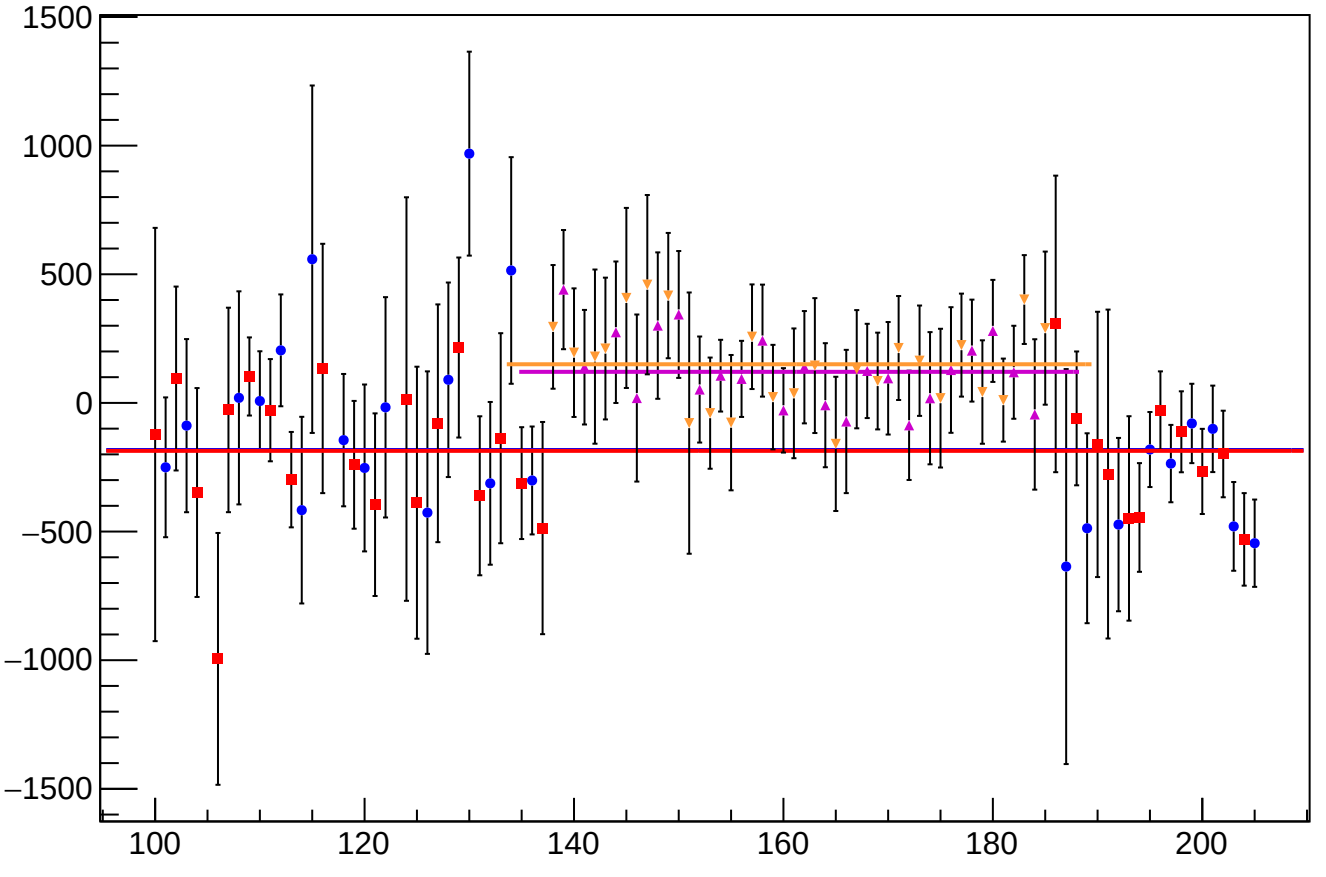
Left: 22.674+/-0.003 χ^2/NDF: 27836.9/47

Right: 22.339+/-0.003 χ^2/NDF: 70395.7/54

In: 22.461+/-0.003 χ^2/NDF:54557.5/47

Out: 22.584+/-0.003 χ^2/NDF:50009.0/54

All: 22.524+/-0.002 χ^2/NDF: 105581.8/102



Right In: -183.062+/-48.478 χ^2/NDF: 28.6/24

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: -186.300+/-46.995 χ^2/NDF: 20.0/29

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 134.638+/-31.941 χ^2/NDF: 19.1/47

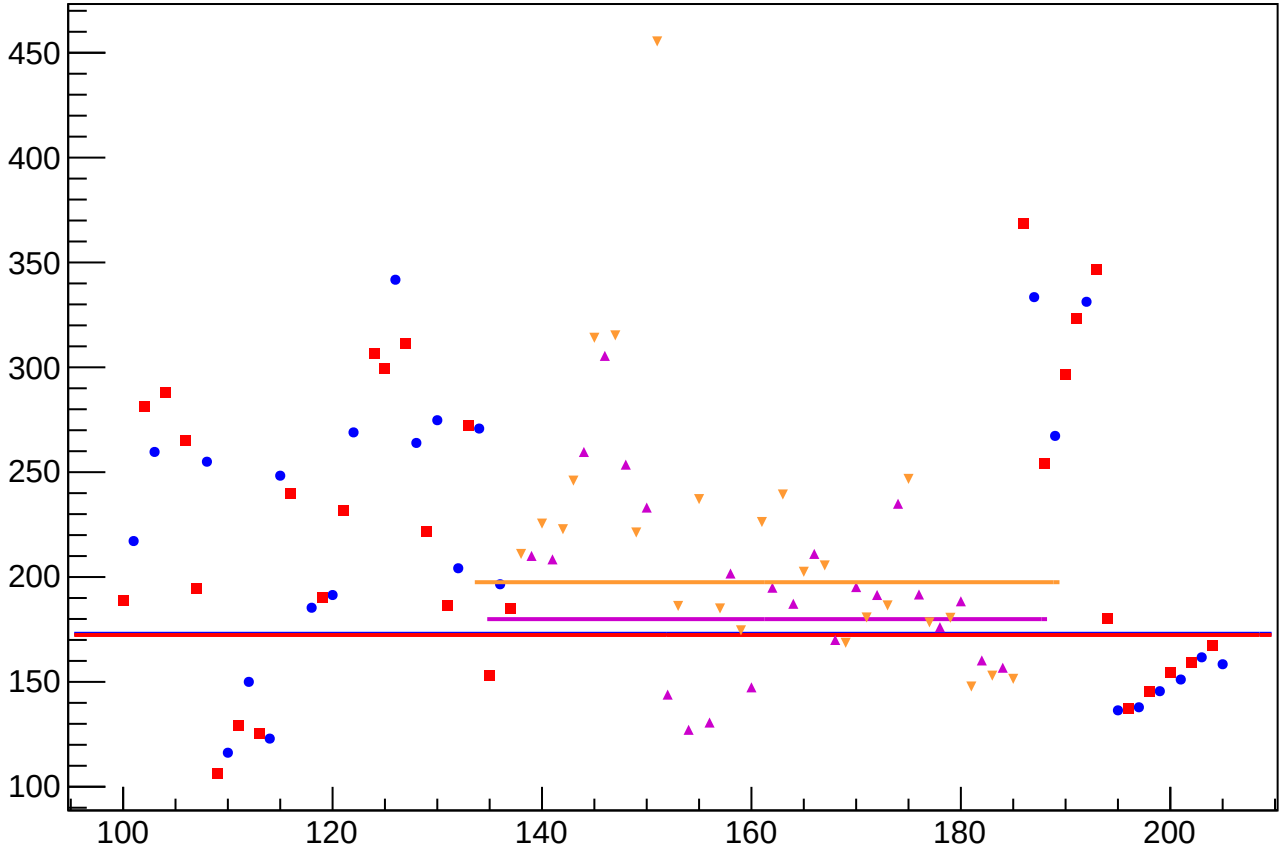
Right: -184.731+/-33.743 χ^2/NDF: 48.7/54

In: -16.199+/-32.549 χ^2/NDF:58.1/47

Out: -16.387+/-33.067 χ^2/NDF:56.9/54

All: -16.292+/-23.196 χ^2/NDF: 115.0/102

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 172.939+/-0.034 χ^2/NDF: 2227671.3/24

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

Right Out: 172.374+/-0.033 χ^2/NDF: 2918180.1/29

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

Left: 188.220+/-0.023 χ^2/NDF: 3565525.8/47

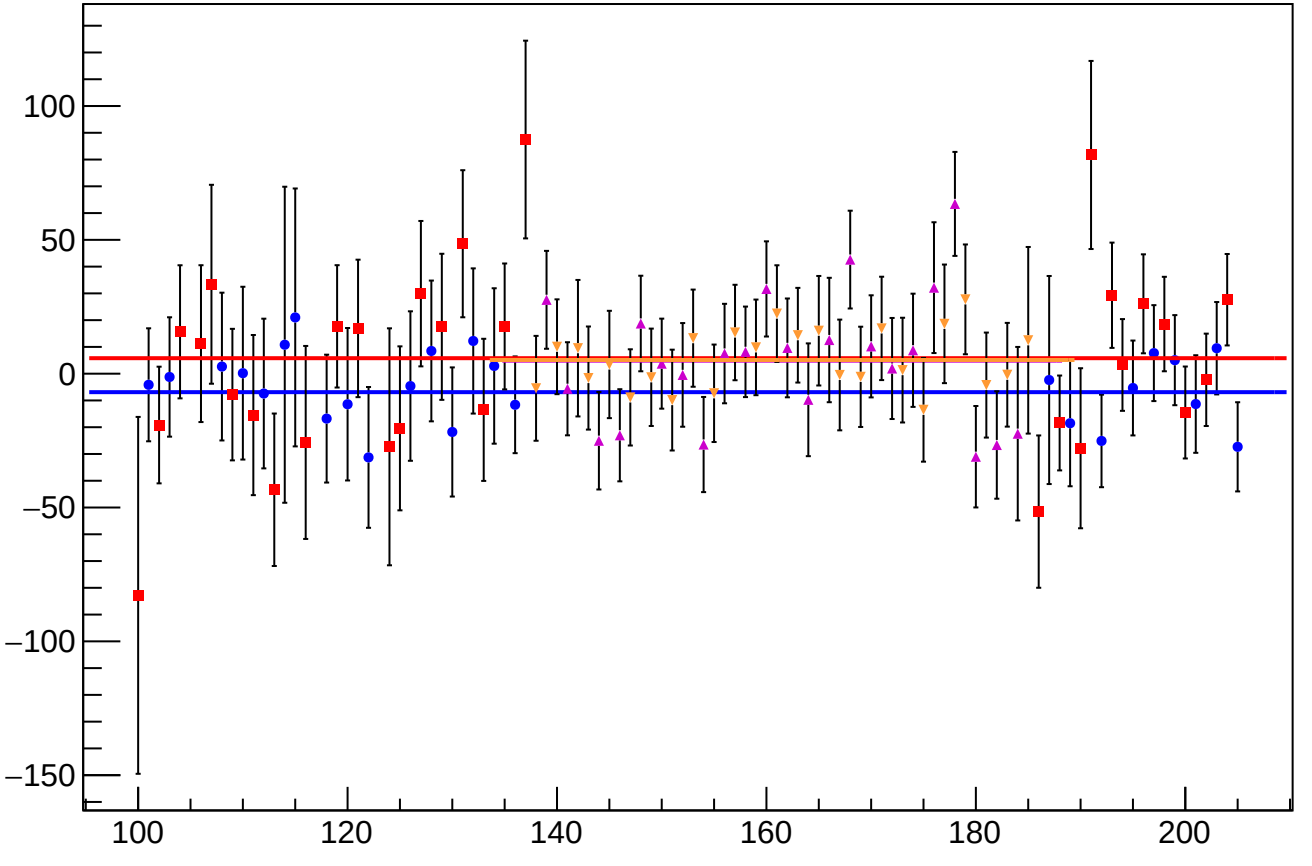
Right: 172.648+/-0.024 χ^2/NDF: 5145991.3/54

In: 176.775+/-0.023 χ^2/NDF:3874617.5/47

Out: 185.078+/-0.023 χ^2/NDF:4997517.1/54

All: 180.861+/-0.016 χ^2/NDF: 8936181.4/102

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -6.904+/-4.535 χ^2/NDF: 8.1/24

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: 5.787+/-4.375 χ^2/NDF: 37.5/29

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 4.992+/-2.782 χ^2/NDF: 43.4/47

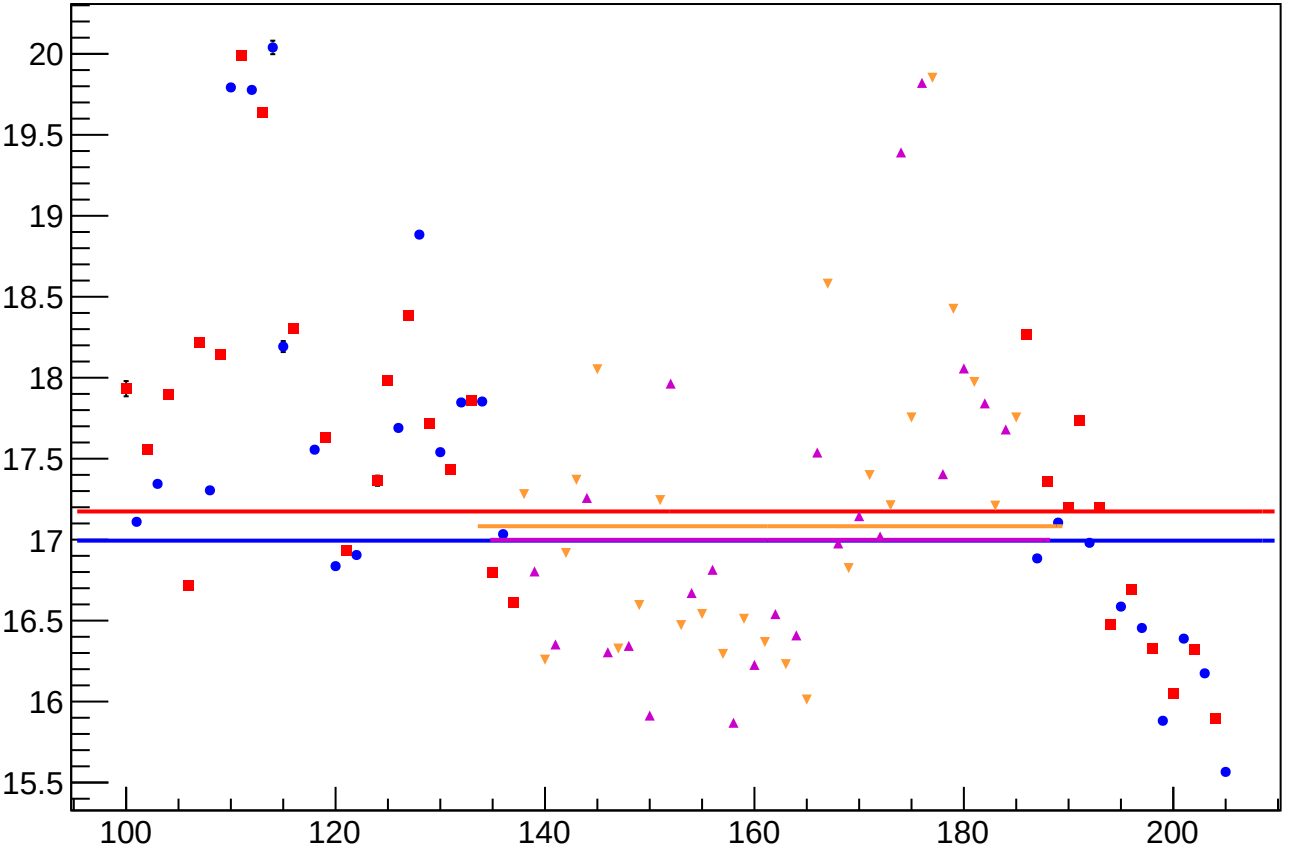
Right: -0.330+/-3.149 χ^2/NDF: 49.7/54

In: -0.260+/-2.992 χ^2/NDF:47.5/47

Out: 5.414+/-2.907 χ^2/NDF:45.4/54

All: 2.659+/-2.085 χ^2/NDF: 94.7/102

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 16.994+/-0.003 χ^2/NDF: 92845.0/24

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

Right Out: 17.174+/-0.003 χ^2/NDF: 89687.5/29

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

Left: 17.042+/-0.002 χ^2/NDF: 201253.4/47

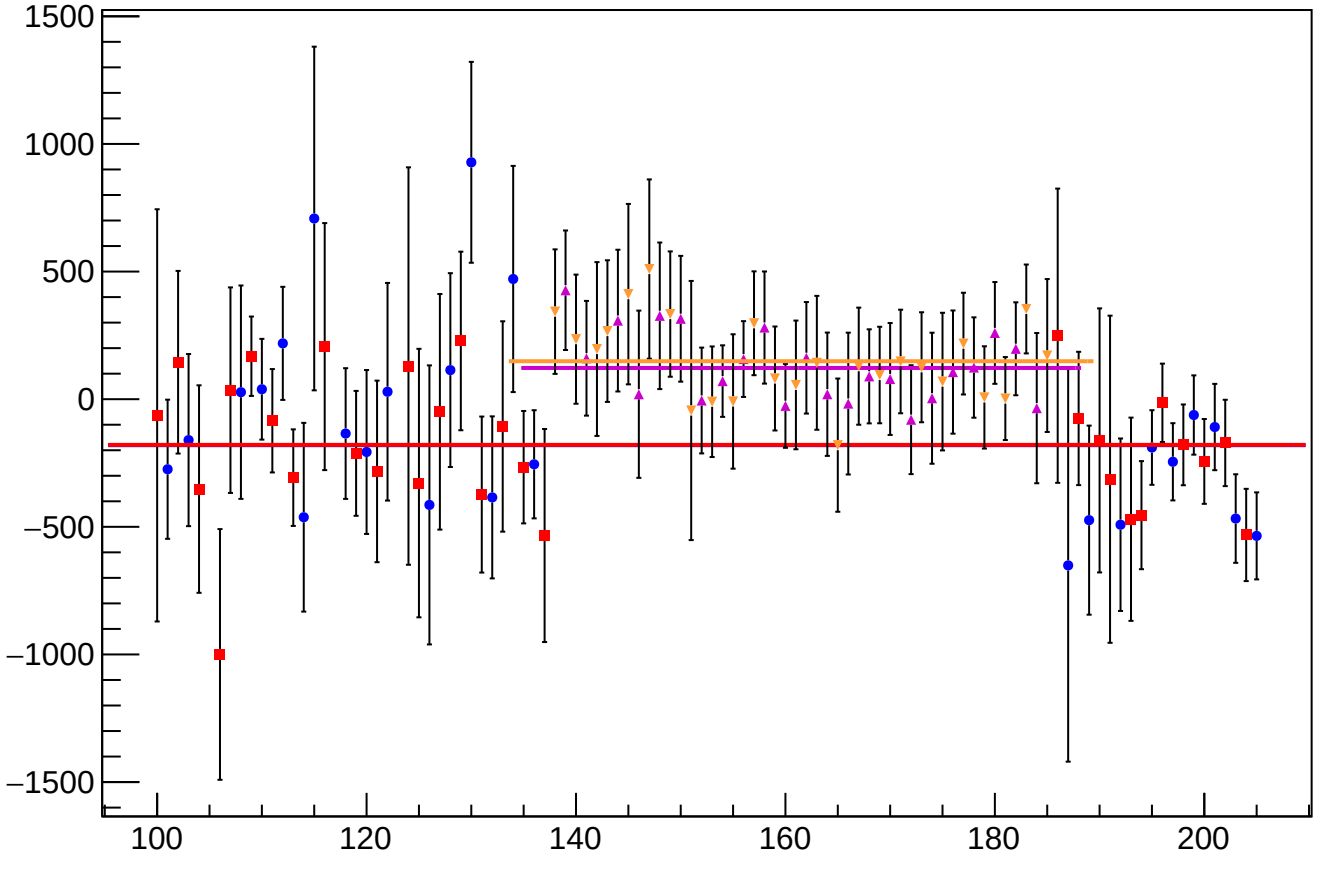
Right: 17.087+/-0.002 χ^2/NDF: 184169.1/54

In: 16.997+/-0.002 χ^2/NDF:196867.4/47

Out: 17.123+/-0.002 χ^2/NDF:186947.4/54

All: 17.062+/-0.001 χ^2/NDF: 385656.2/102

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -180.061+/-48.771 χ^2/NDF: 28.8/24

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: -178.992+/-47.351 χ^2/NDF: 21.6/29

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

Left: 134.803+/-32.060 χ^2/NDF: 17.6/47

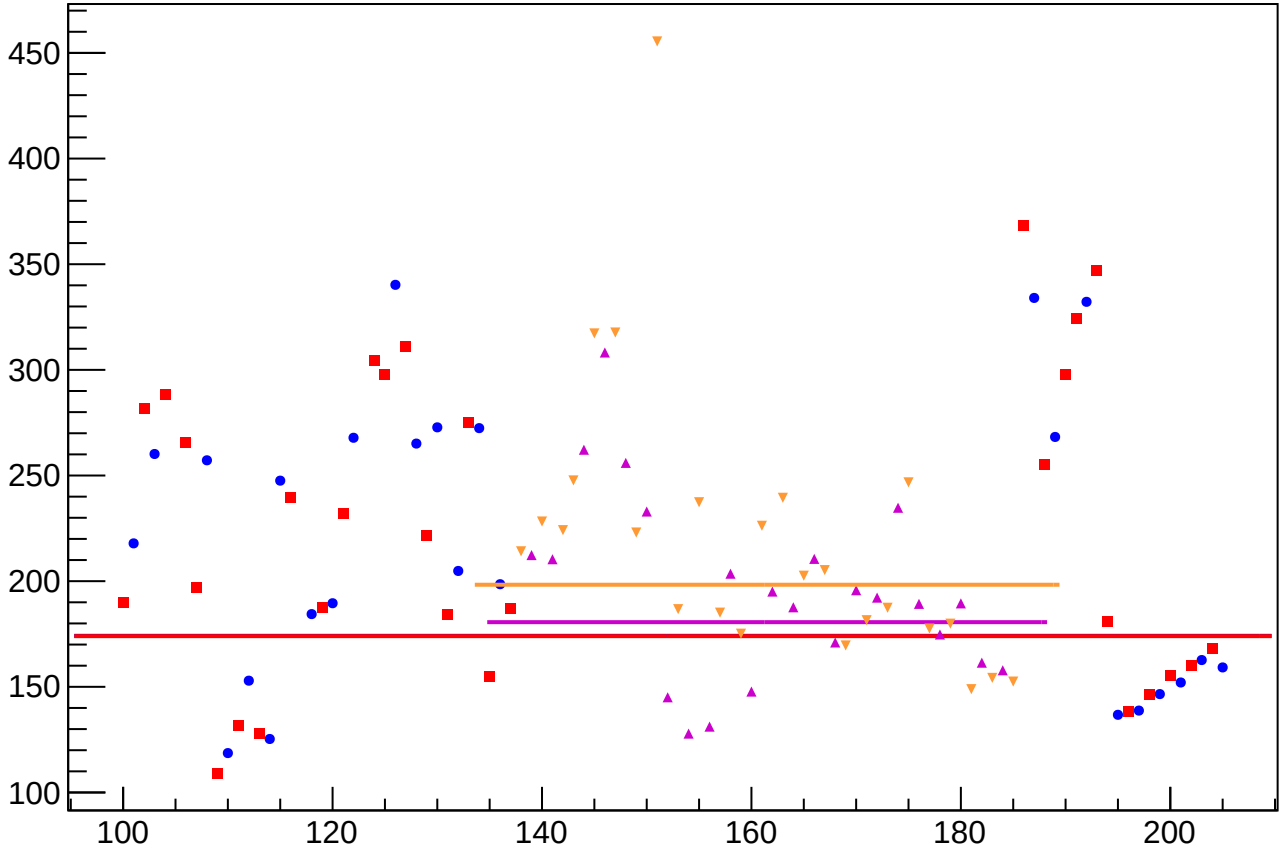
Right: -179.511+/-33.973 χ^2/NDF: 50.3/54

In: -13.606+/-32.703 χ^2/NDF:57.8/47

Out: -12.898+/-33.255 χ^2/NDF:55.4/54

All: -13.258+/-23.317 χ^2/NDF: 113.2/102

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.133+/-0.034 χ^2/NDF: 2184458.1/24

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

Right Out: 173.980+/-0.033 χ^2/NDF: 2825354.1/29

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

Left: 188.944+/-0.023 χ^2/NDF: 3570441.0/47

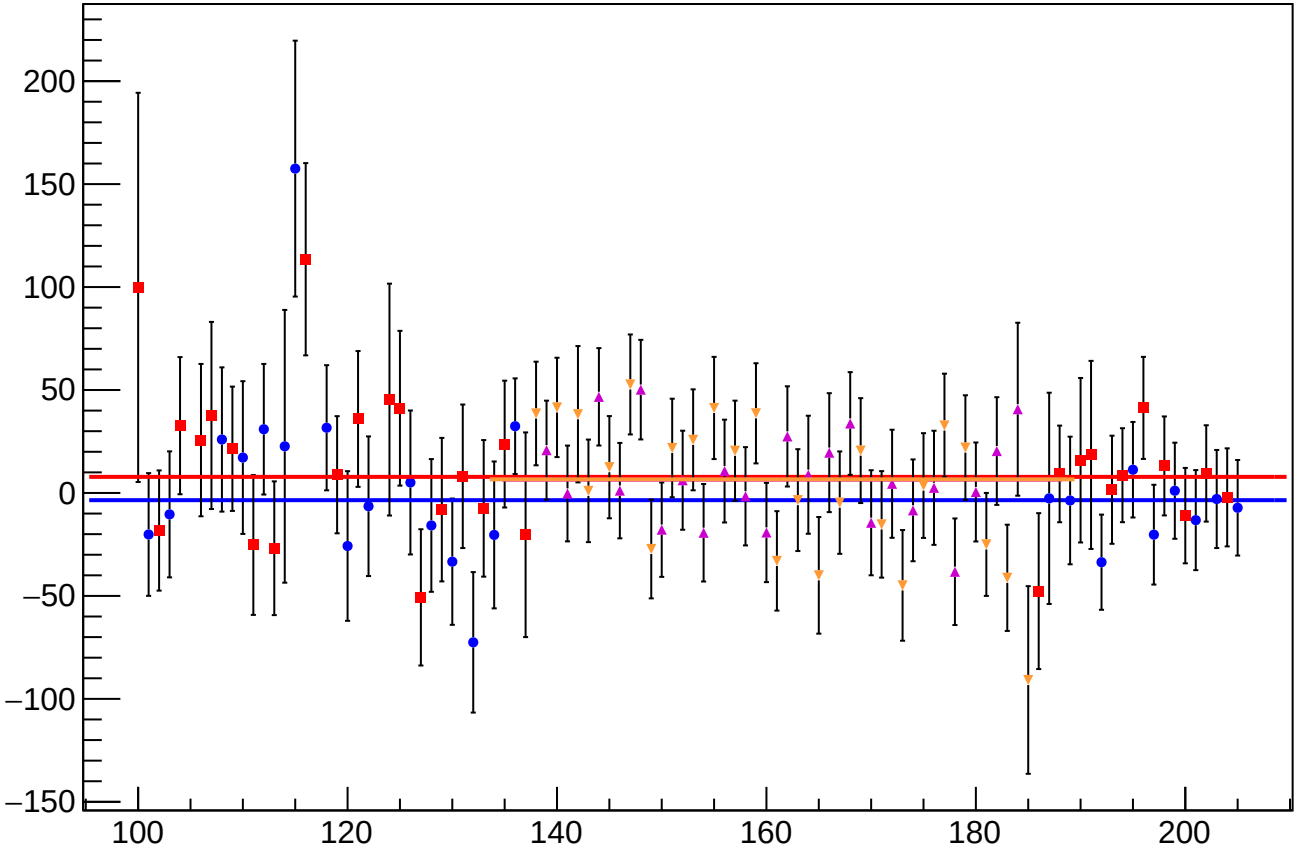
Right: 174.055+/-0.024 χ^2/NDF: 5009822.4/54

In: 177.693+/-0.023 χ^2/NDF:3831890.2/47

Out: 186.311+/-0.024 χ^2/NDF:4883289.7/54

All: 181.930+/-0.016 χ^2/NDF: 8783466.2/102

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -3.504+/-5.947 χ^2/NDF: 21.8/24

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

Right Out: 7.815+/-5.709 χ^2/NDF: 21.5/29

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.548+/-3.663 χ^2/NDF: 54.3/47

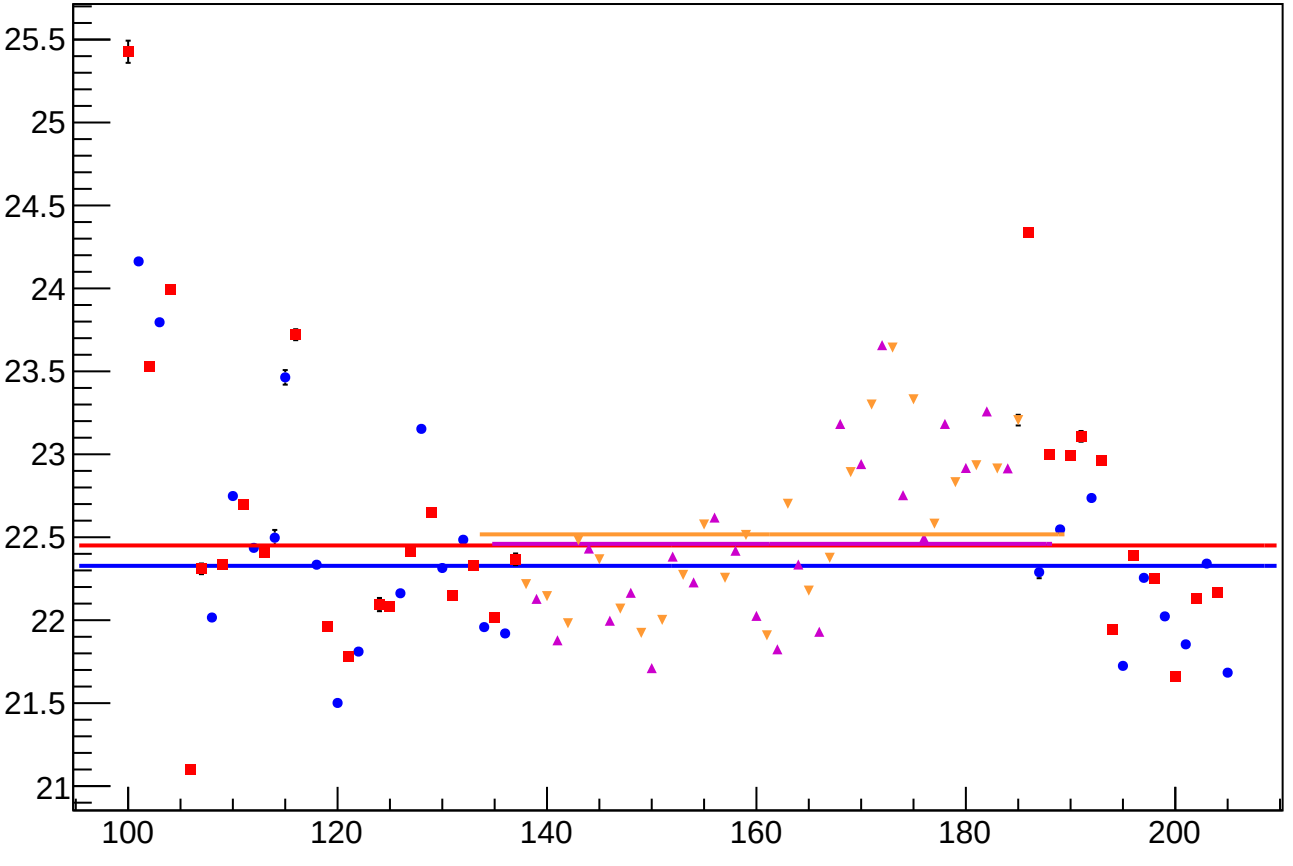
Right: 2.386+/-4.118 χ^2/NDF: 45.2/54

In: 2.111+/-3.934 χ^2/NDF:40.9/47

Out: 7.147+/-3.810 χ^2/NDF:58.4/54

All: 4.710+/-2.737 χ^2/NDF: 100.1/102

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 22.328+/-0.004 χ^2/NDF: 21780.2/24

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

Right Out: 22.450+/-0.004 χ^2/NDF: 27369.7/29

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

Left: 22.490+/-0.003 χ^2/NDF: 35241.4/47

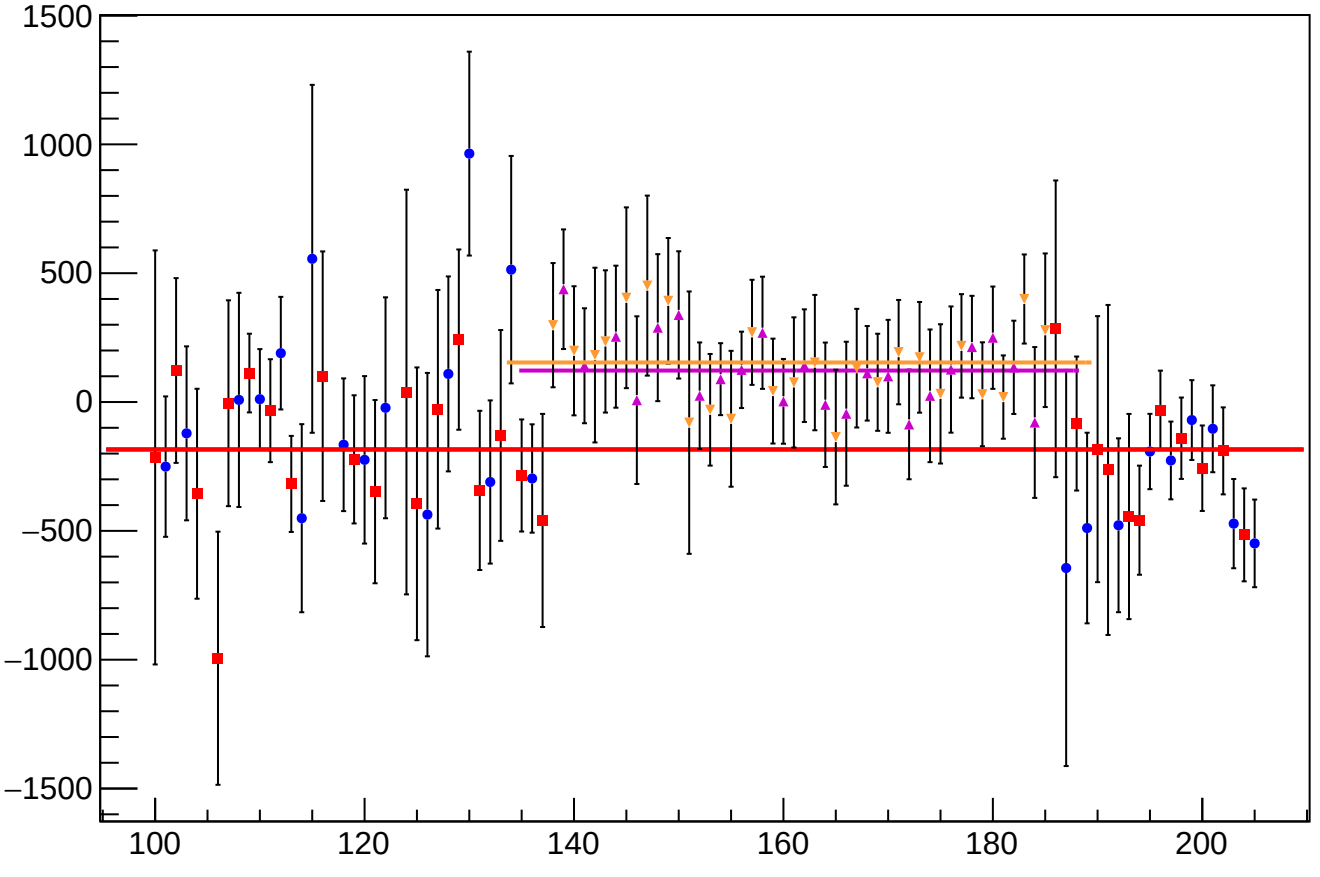
Right: 22.392+/-0.003 χ^2/NDF: 49594.2/54

In: 22.402+/-0.003 χ^2/NDF:41456.4/47

Out: 22.488+/-0.003 χ^2/NDF:43524.5/54

All: 22.446+/-0.002 χ^2/NDF: 85467.3/102

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -184.042+/-48.630 χ^2/NDF: 28.3/24

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

Right Out: -184.131+/-47.135 χ^2/NDF: 19.6/29

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

Left: 136.928+/-32.006 χ^2/NDF: 17.8/47

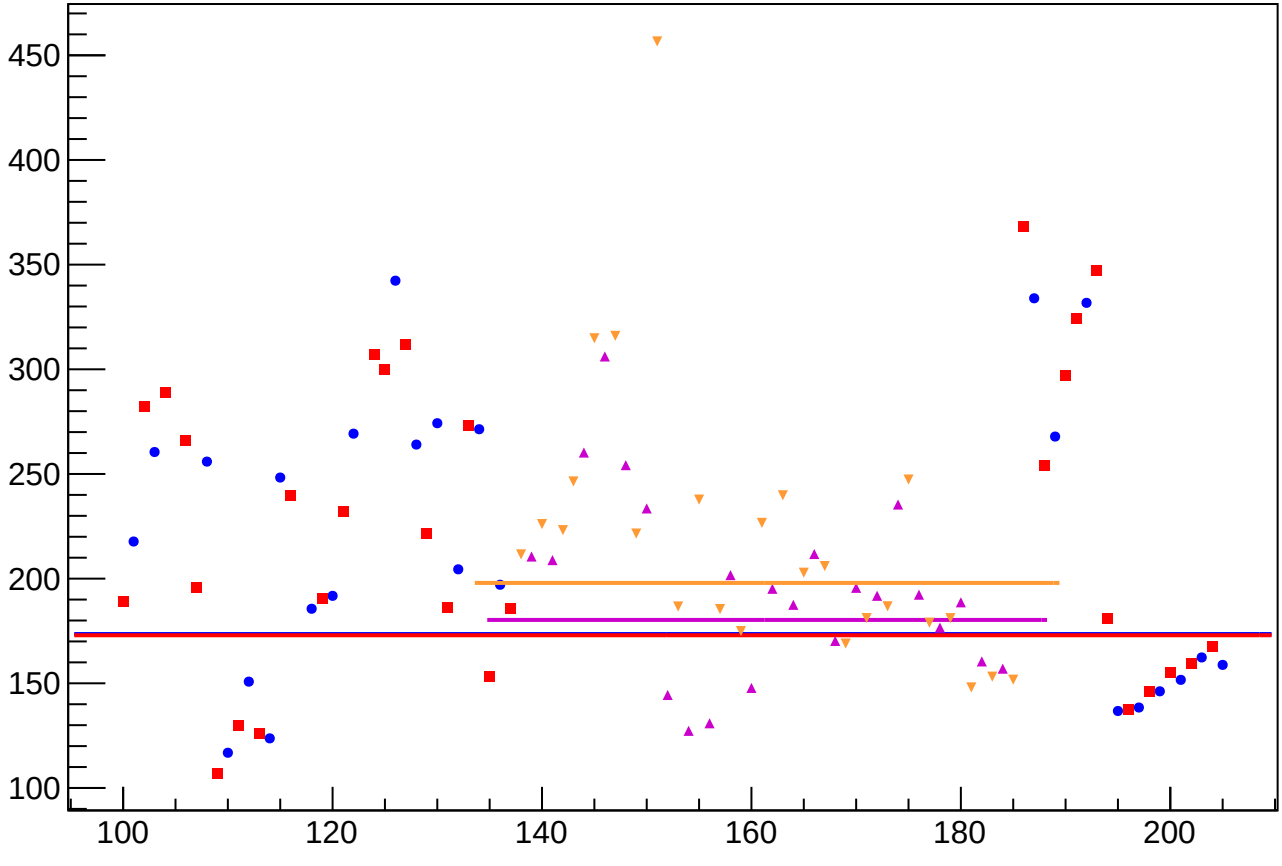
Right: -184.088+/-33.846 χ^2/NDF: 48.0/54

In: -15.691+/-32.630 χ^2/NDF:57.6/47

Out: -13.513+/-33.152 χ^2/NDF:55.6/54

All: -14.619+/-23.255 χ^2/NDF: 113.2/102

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 173.527+/-0.034 χ^2/NDF: 2214111.4/24

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

Right Out: 172.947+/-0.033 χ^2/NDF: 2899707.4/29

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

Left: 188.603+/-0.023 χ^2/NDF: 3568141.6/47

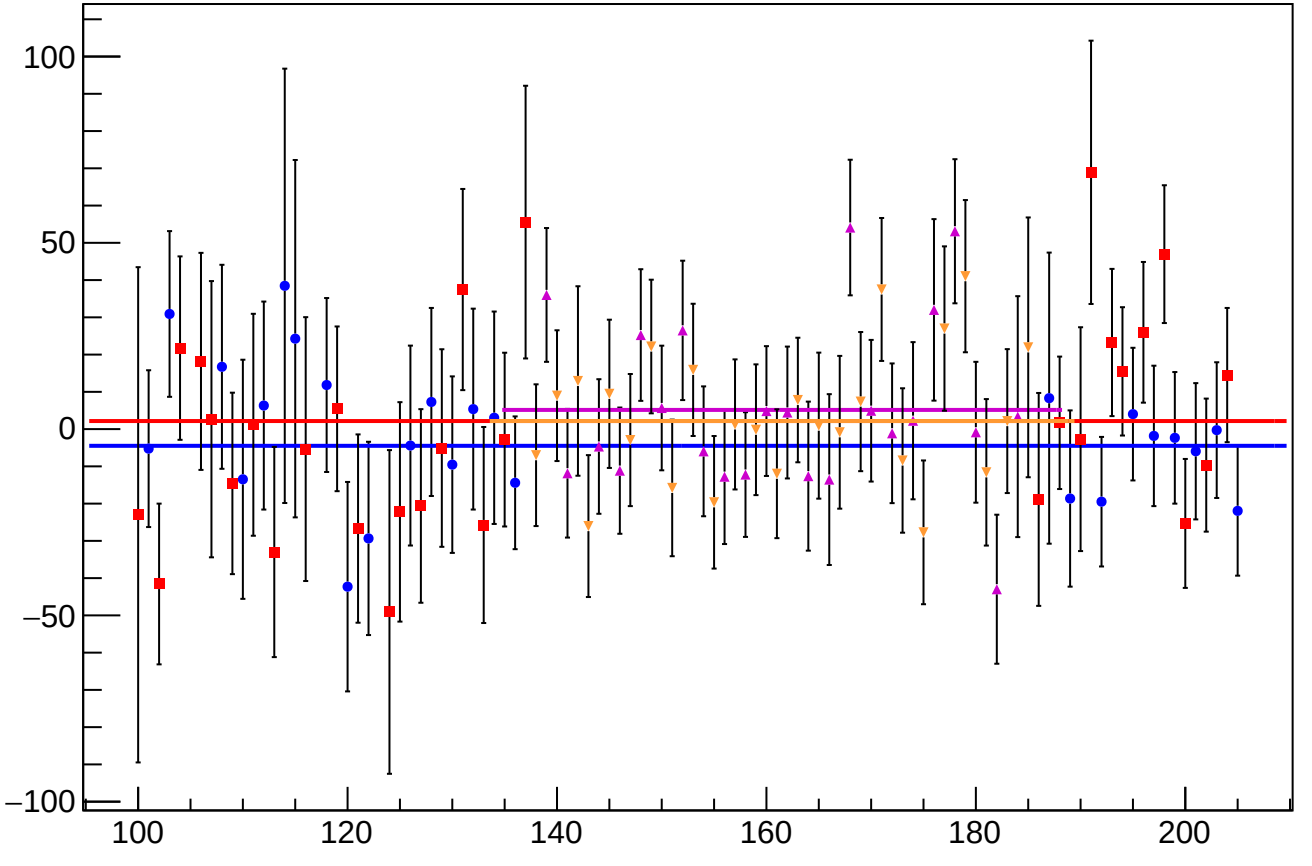
Right: 173.228+/-0.024 χ^2/NDF: 5113965.7/54

In: 177.237+/-0.023 χ^2/NDF:3859962.0/47

Out: 185.585+/-0.023 χ^2/NDF:4975609.5/54

All: 181.345+/-0.016 χ^2/NDF: 8899994.8/102

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: -4.485+/-4.568 χ^2/NDF: 10.8/24

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: 2.164+/-4.389 χ^2/NDF: 33.3/29

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 3.624+/-2.739 χ^2/NDF: 52.5/47

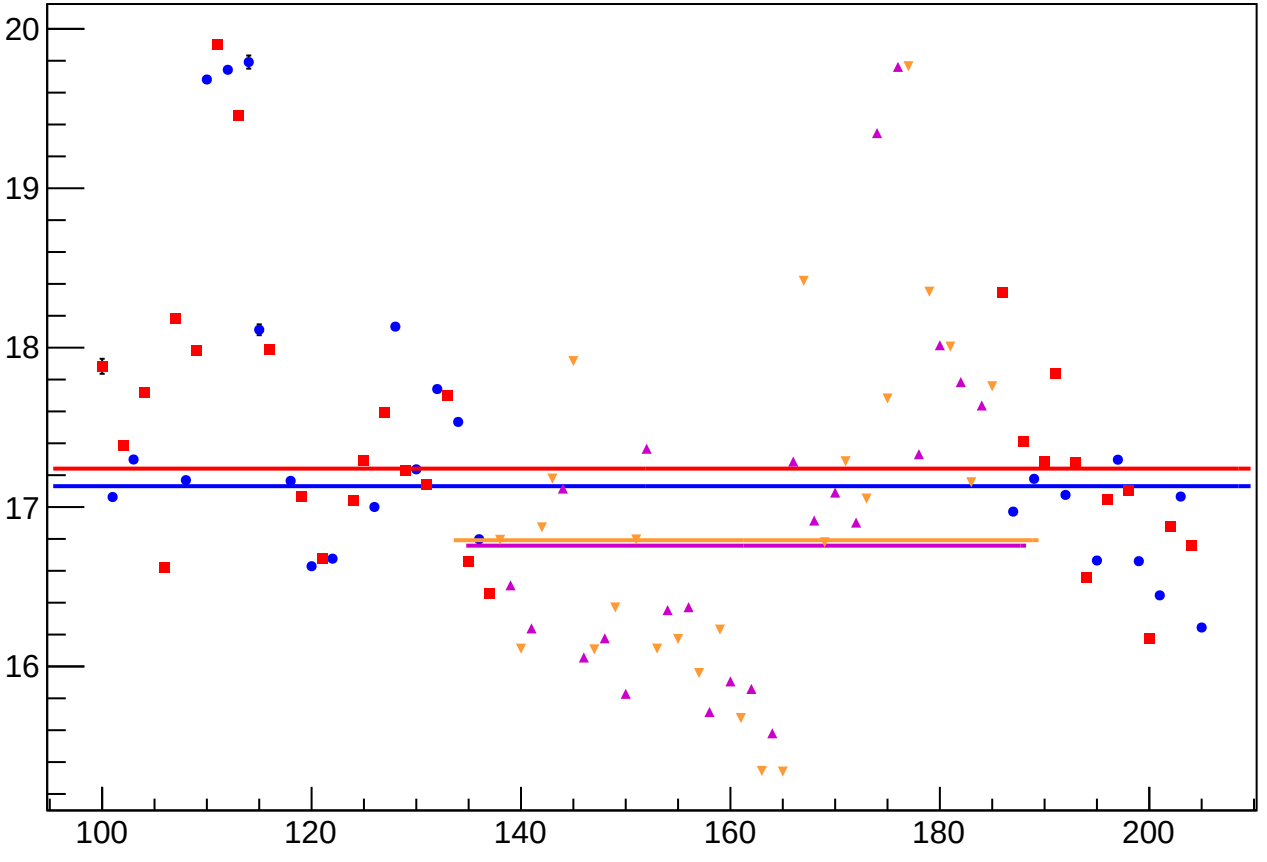
Right: -1.027+/-3.165 χ^2/NDF: 45.2/54

In: 1.059+/-2.977 χ^2/NDF:45.6/47

Out: 2.170+/-2.884 χ^2/NDF:53.3/54

All: 1.632+/-2.071 χ^2/NDF: 99.0/102

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 17.131+/-0.003 χ^2/NDF: 52944.8/24

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

Right Out: 17.241+/-0.003 χ^2/NDF: 55721.1/29

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

Left: 16.775+/-0.002 χ^2/NDF: 260385.1/47

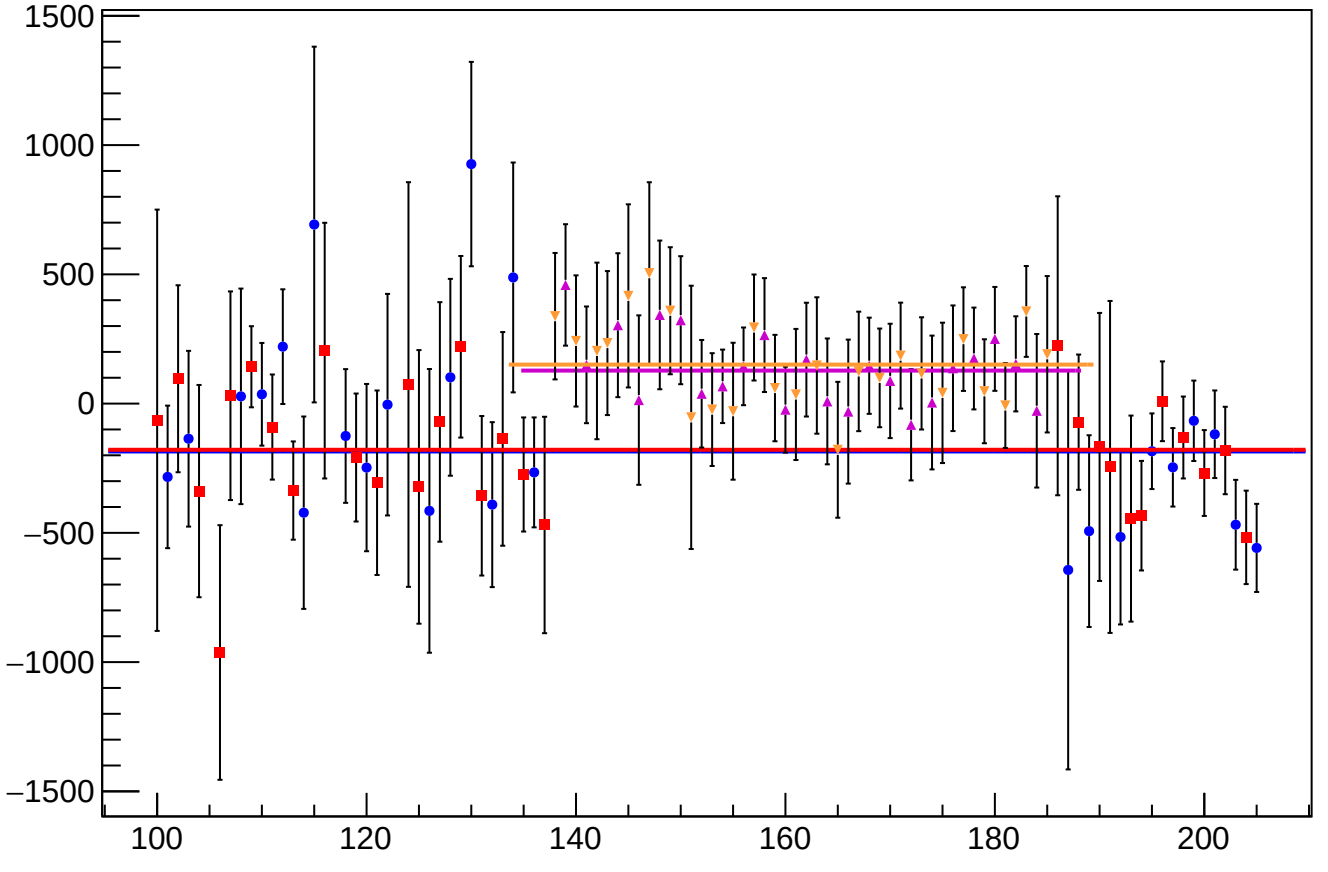
Right: 17.188+/-0.002 χ^2/NDF: 109271.2/54

In: 16.916+/-0.002 χ^2/NDF:183930.4/47

Out: 16.986+/-0.002 χ^2/NDF:204627.8/54

All: 16.952+/-0.001 χ^2/NDF: 389123.0/102

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -185.146+/-48.933 χ^2/NDF: 29.2/24

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: -178.655+/-47.527 χ^2/NDF: 19.8/29

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

Left: 138.637+/-32.297 χ^2/NDF: 17.9/47

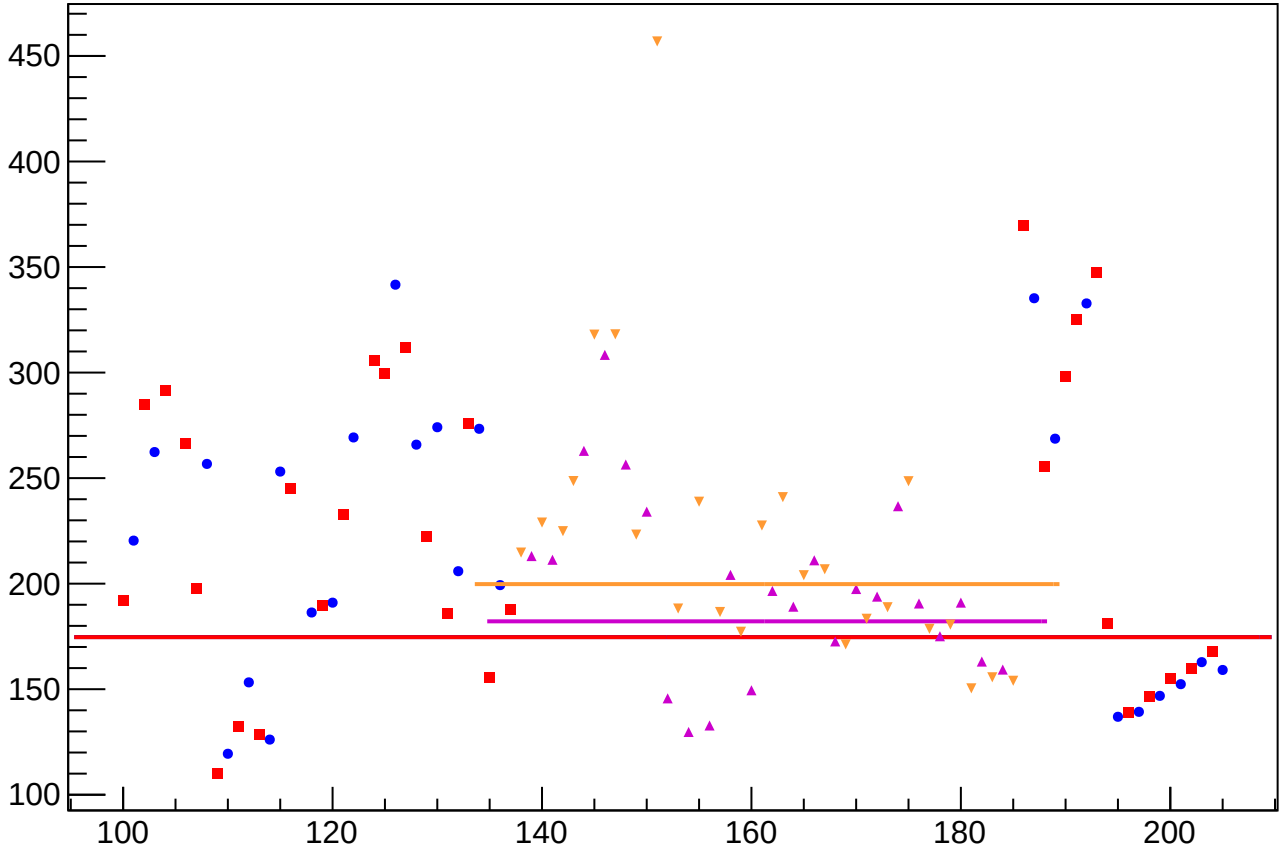
Right: -181.806+/-34.093 χ^2/NDF: 49.0/54

In: -13.650+/-32.892 χ^2/NDF:59.4/47

Out: -12.171+/-33.431 χ^2/NDF:54.1/54

All: -12.923+/-23.447 χ^2/NDF: 113.5/102

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.692+/-0.035 χ^2/NDF: 2194347.3/24

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

Right Out: 174.653+/-0.034 χ^2/NDF: 2827521.3/29

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

Left: 190.465+/-0.023 χ^2/NDF: 3493266.0/47

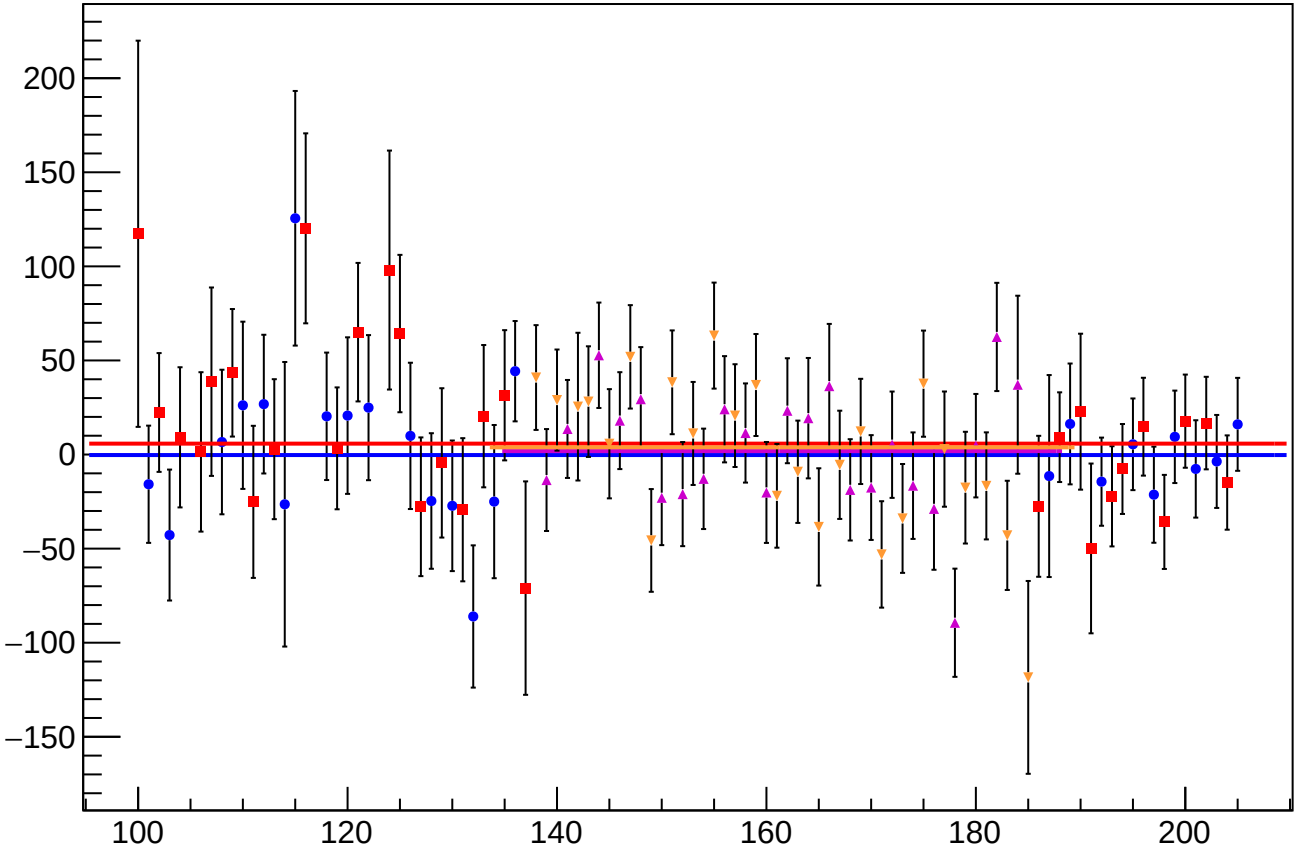
Right: 174.672+/-0.024 χ^2/NDF: 5021869.2/54

In: 178.780+/-0.023 χ^2/NDF:3804170.4/47

Out: 187.350+/-0.024 χ^2/NDF:4870365.8/54

All: 182.996+/-0.017 χ^2/NDF: 8741307.6/102

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: -0.275+/-6.448 χ^2/NDF: 18.8/24

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: 5.791+/-6.148 χ^2/NDF: 27.7/29

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.858+/-4.130 χ^2/NDF: 65.7/47

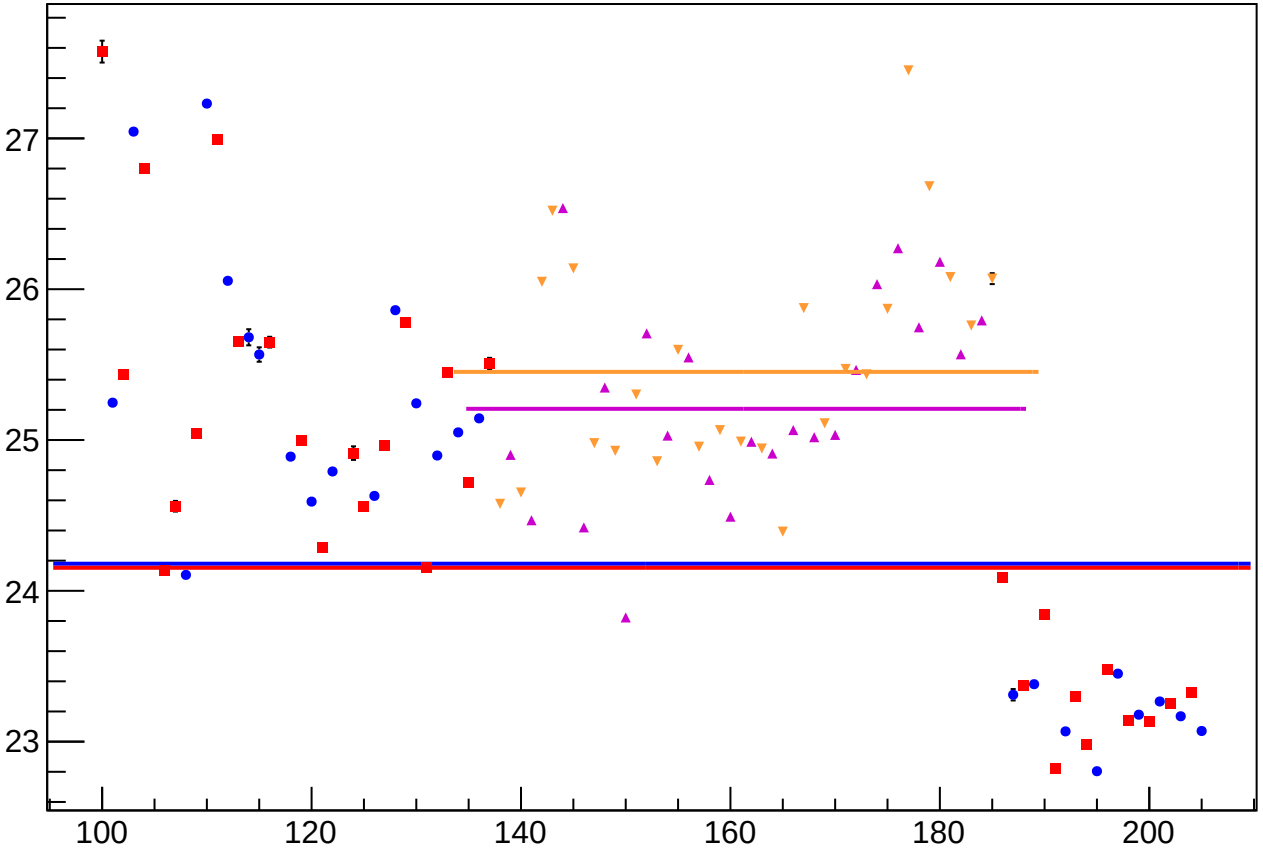
Right: 2.903+/-4.449 χ^2/NDF: 47.1/54

In: 0.883+/-4.350 χ^2/NDF:47.0/47

Out: 4.752+/-4.214 χ^2/NDF:65.4/54

All: 2.879+/-3.027 χ^2/NDF: 112.8/102

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 24.180+/-0.005 χ^2/NDF: 71967.0/24

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 24.153+/-0.004 χ^2/NDF: 65967.3/29

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.332+/-0.003 χ^2/NDF: 57199.0/47

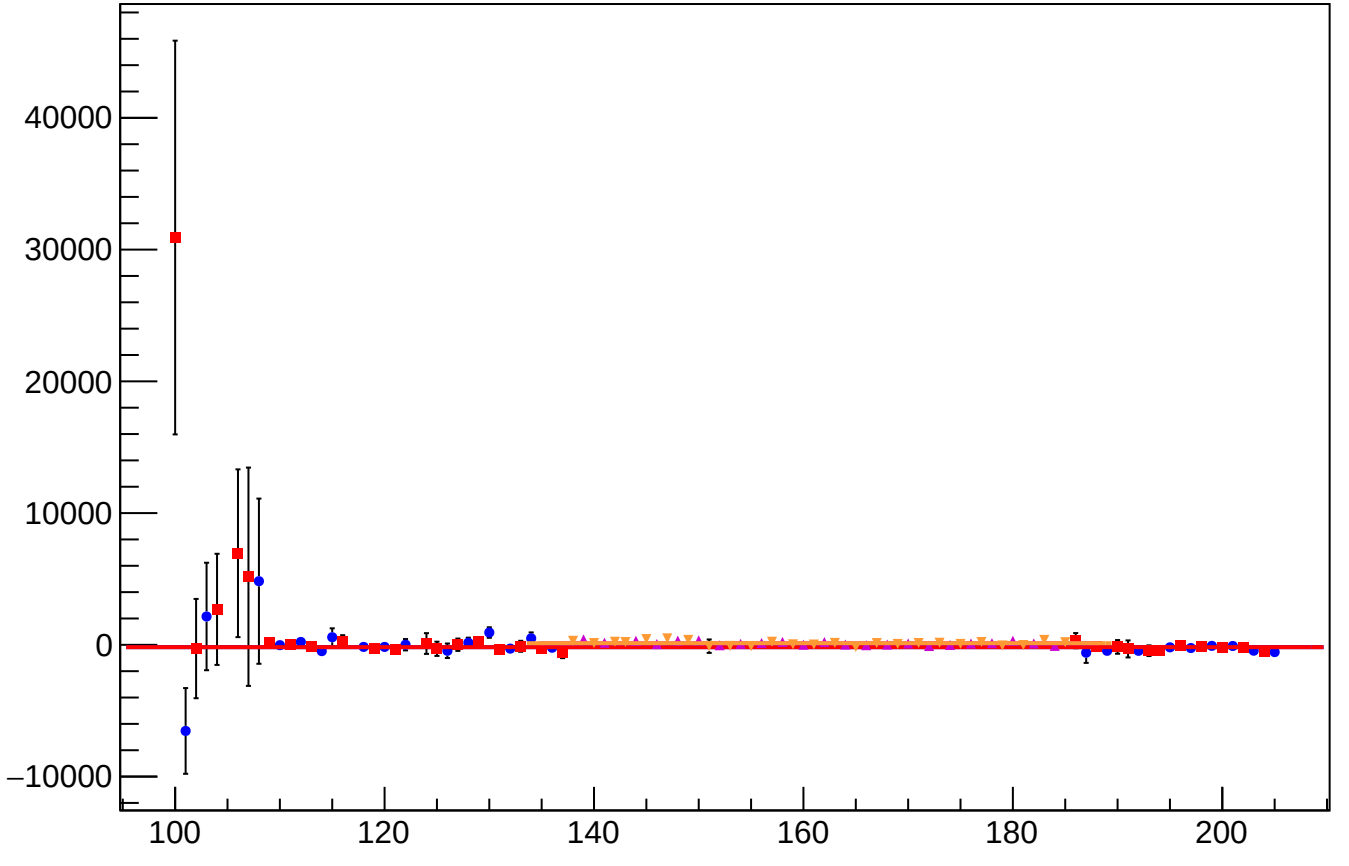
Right: 24.166+/-0.003 χ^2/NDF: 137952.4/54

In: 24.739+/-0.003 χ^2/NDF:125444.8/47

Out: 24.841+/-0.003 χ^2/NDF:142906.5/54

All: 24.792+/-0.002 χ^2/NDF: 268918.5/102

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -176.053+/-51.481 χ^2/NDF: 31.2/24

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

Right Out: -177.037+/-50.725 χ^2/NDF: 21.6/29

Left In: 117.291+/-44.871 χ^2/NDF:8.0/22

Left: 121.050+/-32.431 χ^2/NDF: 19.1/47

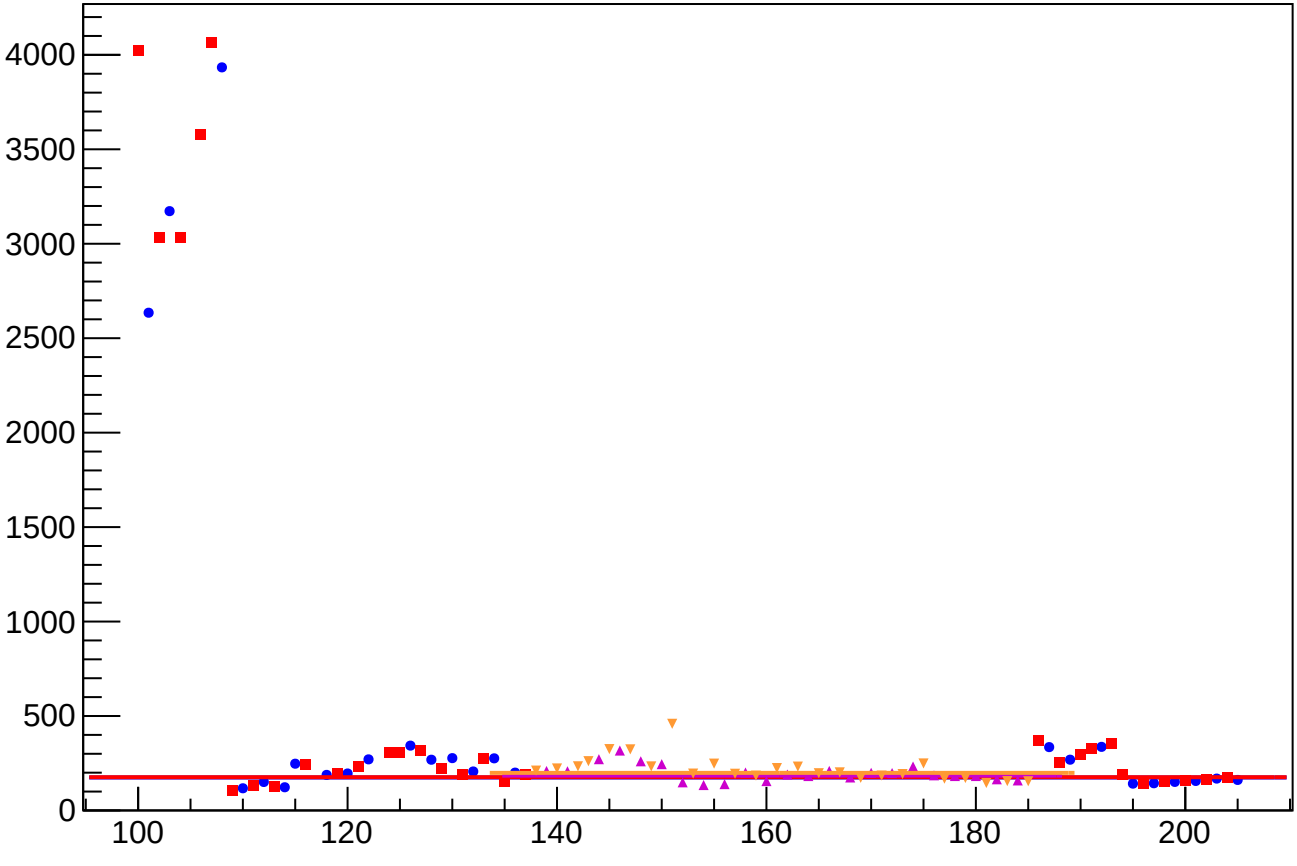
Right: -176.552+/-36.133 χ^2/NDF: 52.8/54

In: -9.352+/-33.826 χ^2/NDF:57.6/47

Out: -14.197+/-34.446 χ^2/NDF:51.8/54

All: -11.730+/-24.135 χ^2/NDF: 109.4/102

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.401+/-0.036 χ^2/NDF: 4814510.0/24

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

Right Out: 175.976+/-0.036 χ^2/NDF: 5482377.7/29

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

Left: 191.370+/-0.023 χ^2/NDF: 3449526.4/47

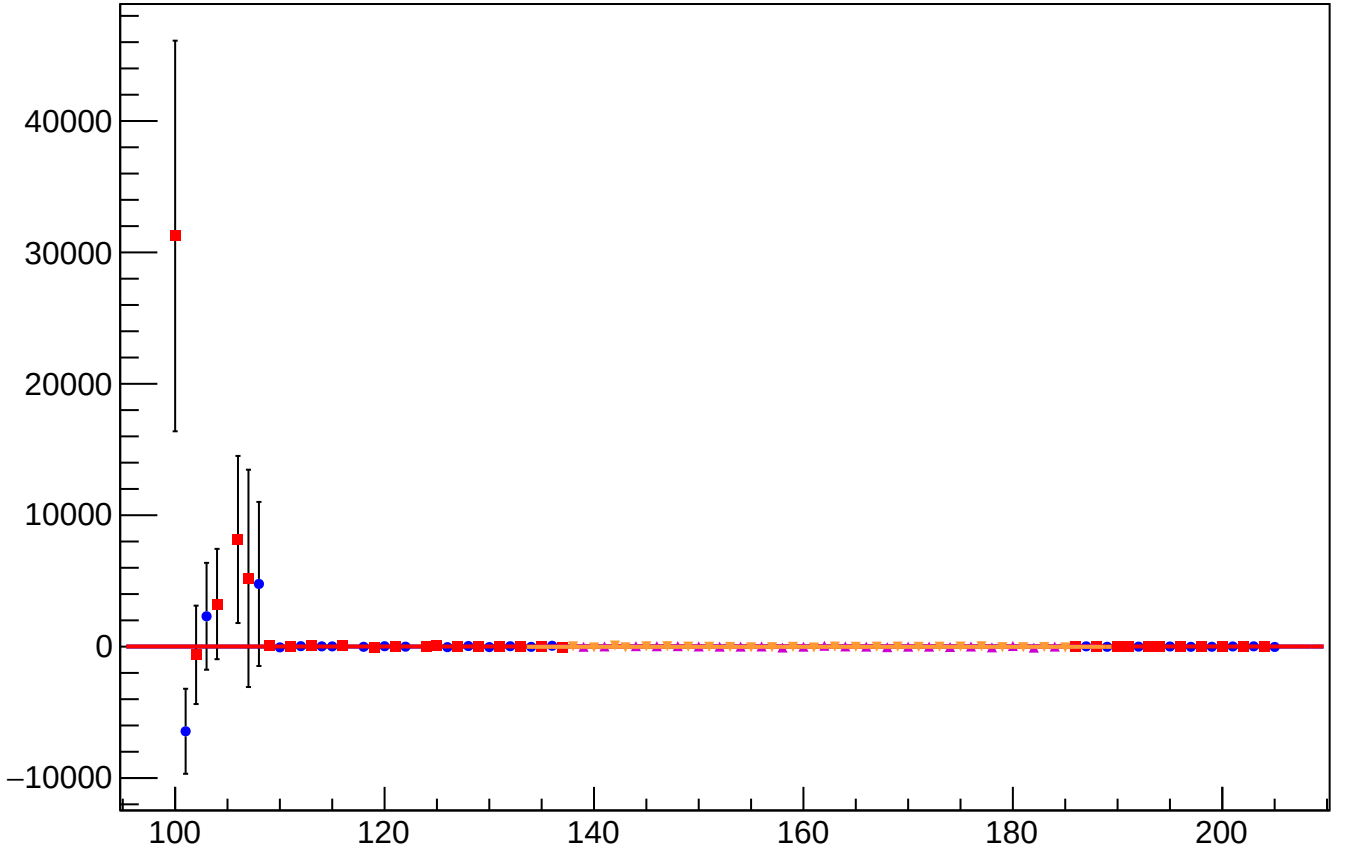
Right: 175.201+/-0.026 χ^2/NDF: 10297837.4/54

In: 180.083+/-0.024 χ^2/NDF:6303676.4/47

Out: 188.379+/-0.024 χ^2/NDF:7606437.1/54

All: 184.156+/-0.017 χ^2/NDF: 13969181.1/10

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 3.530+/-7.779 χ^2/NDF: 18.6/24

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: 12.572+/-7.531 χ^2/NDF: 29.4/29

Left In: 2.172+/-6.703 χ^2/NDF:28.3/22

Left: -6.574+/-4.671 χ^2/NDF: 53.9/47

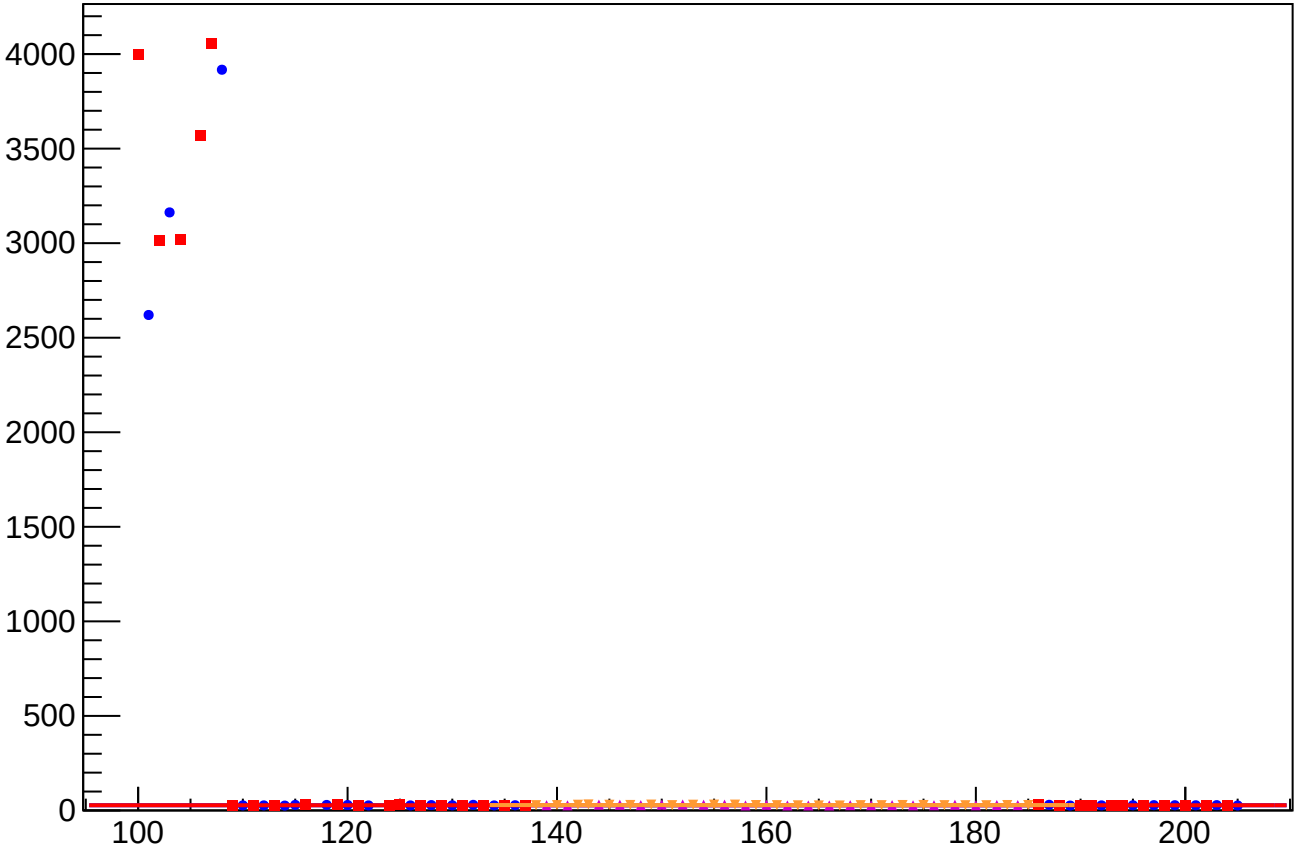
Right: 8.197+/-5.411 χ^2/NDF: 48.8/54

In: 2.751+/-5.078 χ^2/NDF:47.0/47

Out: -3.107+/-4.926 χ^2/NDF:59.2/54

All: -0.267+/-3.536 χ^2/NDF: 106.9/102

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.441+/-0.006 χ^2/NDF: 3278827.5/24

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.521+/-0.005 χ^2/NDF: 3583579.3/29

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

Left: 28.595+/-0.003 χ^2/NDF: 211068.4/47

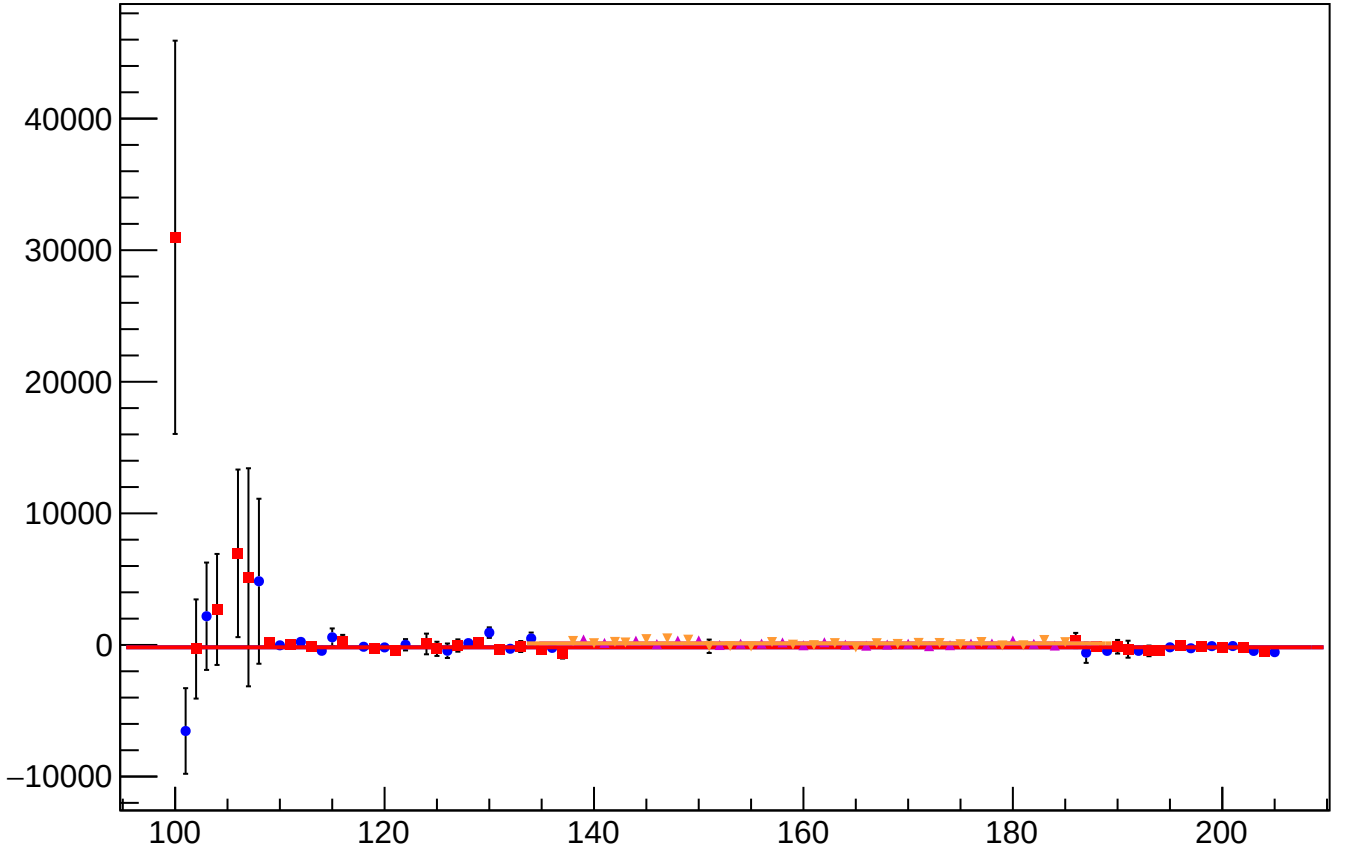
Right: 27.482+/-0.004 χ^2/NDF: 6862515.2/54

In: 28.109+/-0.004 χ^2/NDF:3427500.4/47

Out: 28.130+/-0.003 χ^2/NDF:3694605.0/54

All: 28.120+/-0.003 χ^2/NDF: 7122122.5/102

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -175.717+/-51.327 χ^2/NDF: 31.3/24

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: -178.956+/-50.586 χ^2/NDF: 22.3/29

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

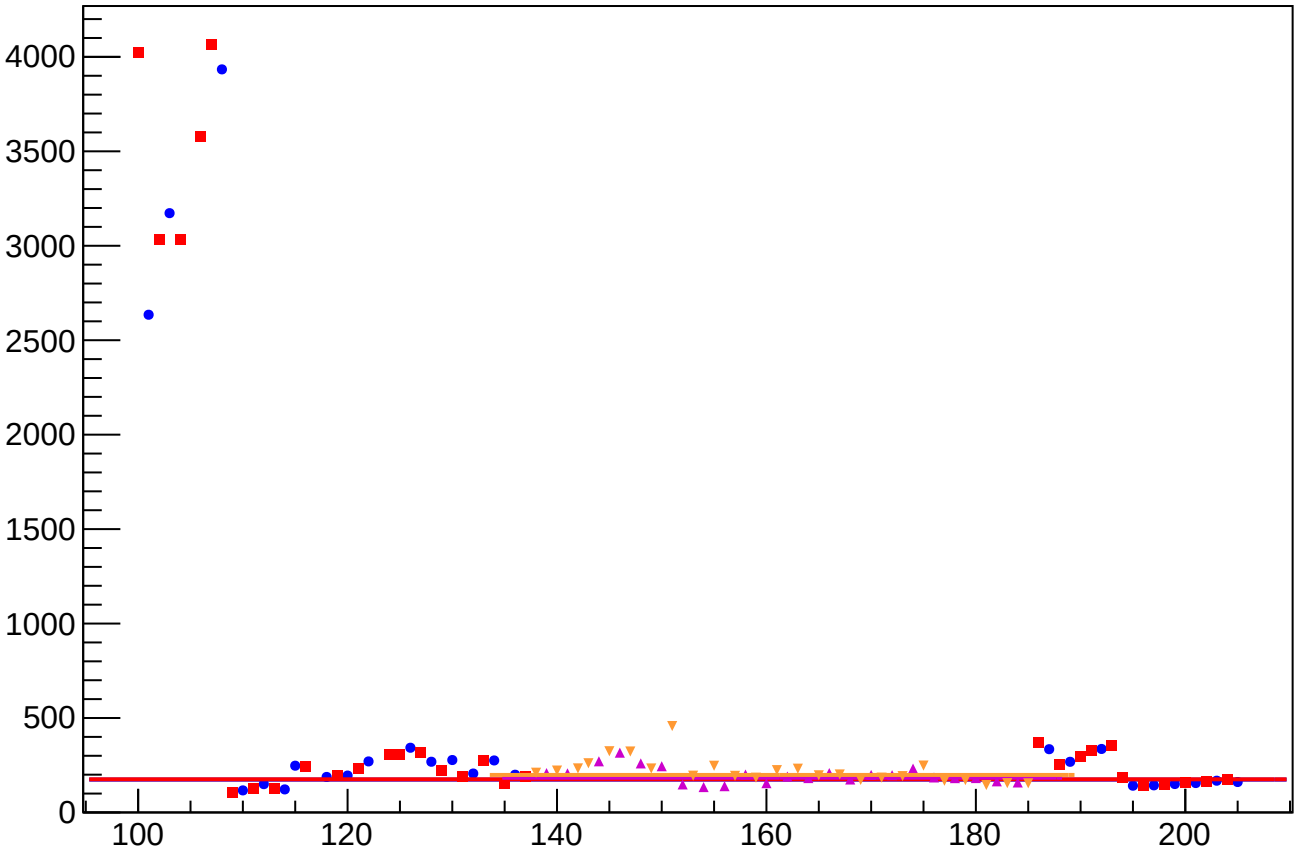
Left: 118.953+/-32.365 χ^2/NDF: 20.4/47

Right: -177.360+/-36.029 χ^2/NDF: 53.6/54

In: -9.960+/-33.746 χ^2/NDF:58.1/47

Out: -16.920+/-34.363 χ^2/NDF:53.3/54

All: -13.377+/-24.077 χ^2/NDF: 111.5/102



Right In: 173.826+/-0.036 χ^2/NDF: 4828451.1/24

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

Right Out: 175.430+/-0.036 χ^2/NDF: 5500672.8/29

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

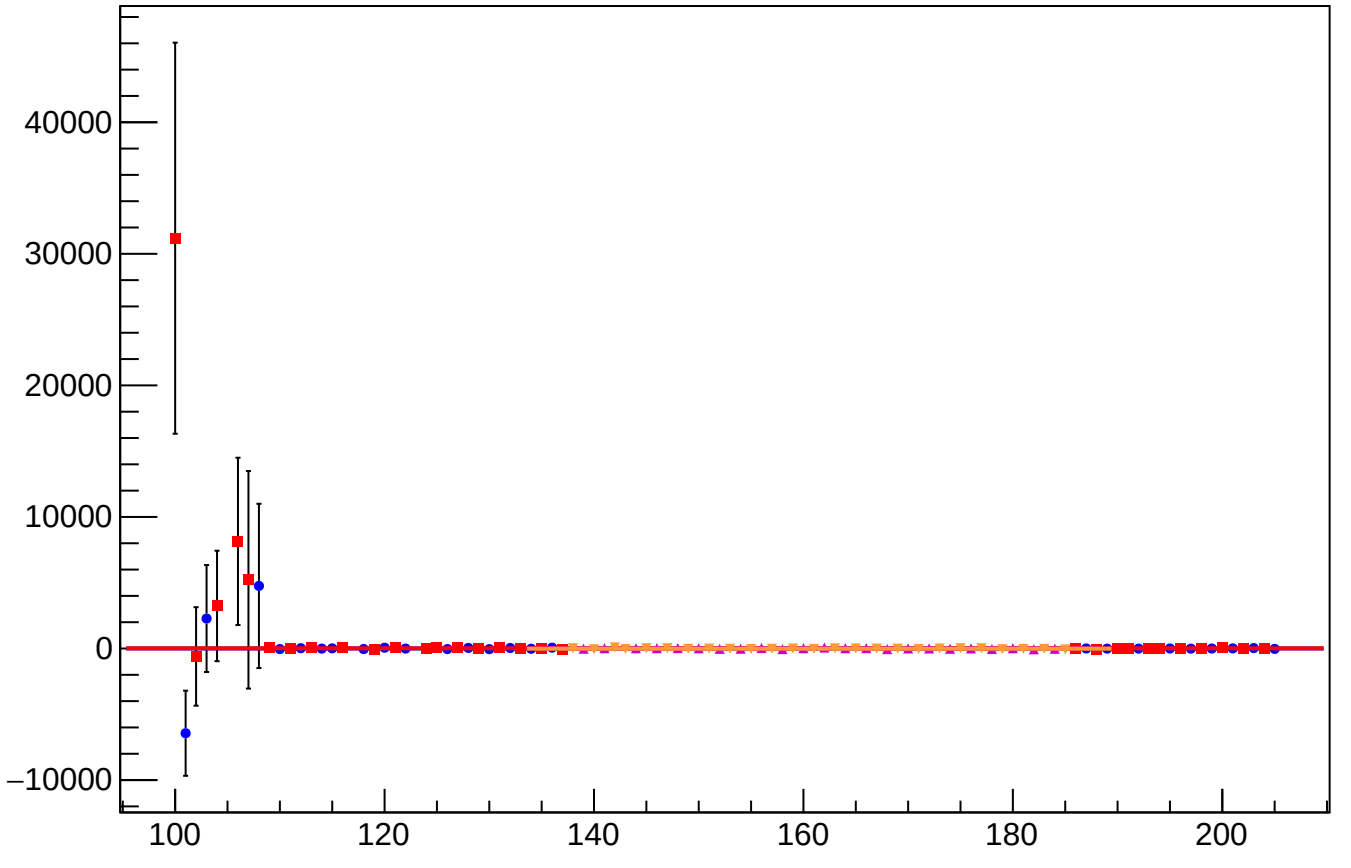
Left: 190.988+/-0.023 χ^2/NDF: 3447360.1/47

Right: 174.640+/-0.025 χ^2/NDF: 10330114.1/54

In: 179.631+/-0.024 χ^2/NDF:6318937.9/47

Out: 187.892+/-0.024 χ^2/NDF:7627579.0/54

All: 183.687+/-0.017 χ^2/NDF: 14005361.5/10



Right In: 1.829+/-7.762 χ^2/NDF: 21.2/24

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: 15.249+/-7.523 χ^2/NDF: 28.7/29

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.851+/-4.691 χ^2/NDF: 42.4/47

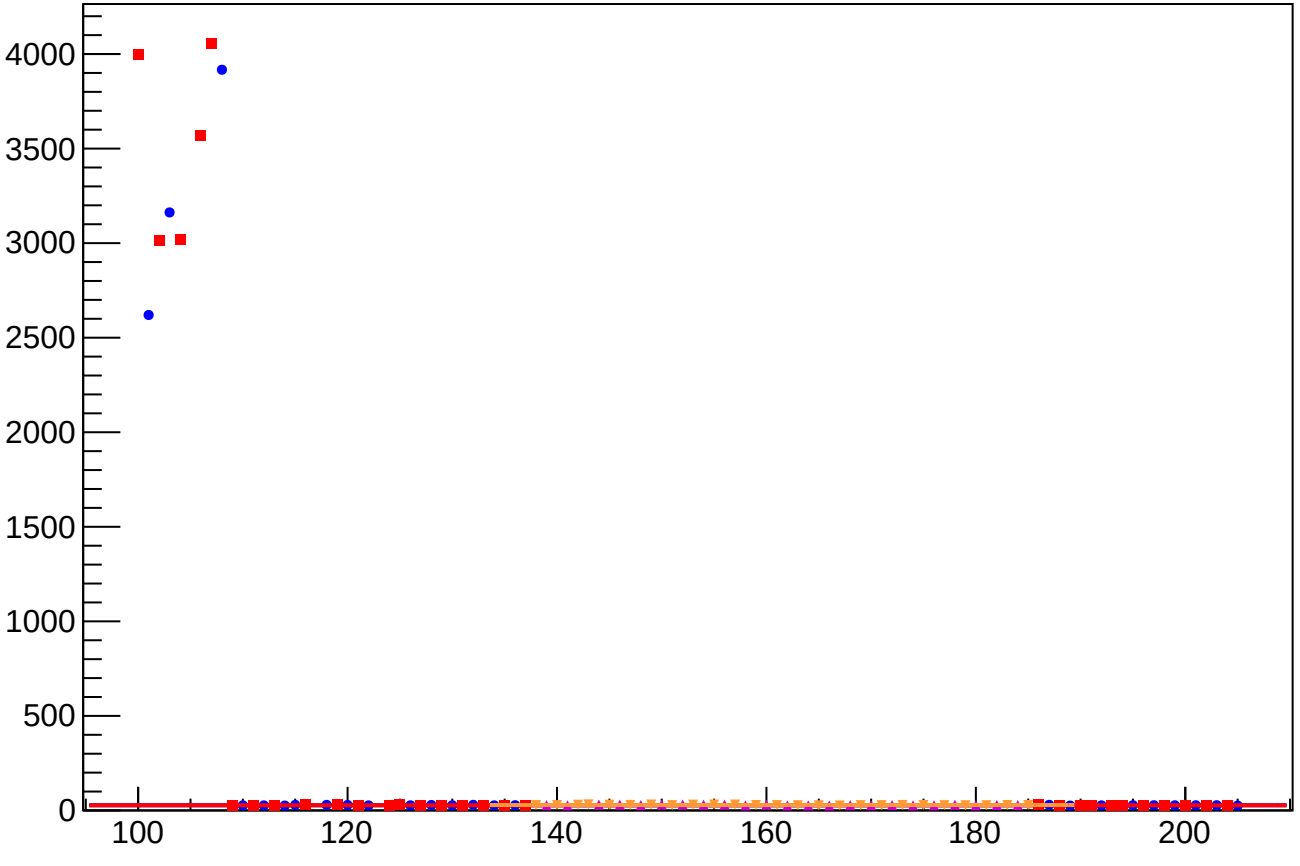
Right: 8.749+/-5.402 χ^2/NDF: 51.5/54

In: 2.255+/-5.086 χ^2/NDF:43.4/47

Out: -0.191+/-4.936 χ^2/NDF:54.0/54

All: 0.996+/-3.542 χ^2/NDF: 97.5/102

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 27.376+/-0.005 χ^2/NDF: 3283296.9/24

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

Right Out: 27.490+/-0.005 χ^2/NDF: 3583052.0/29

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.717+/-0.003 χ^2/NDF: 226258.3/47

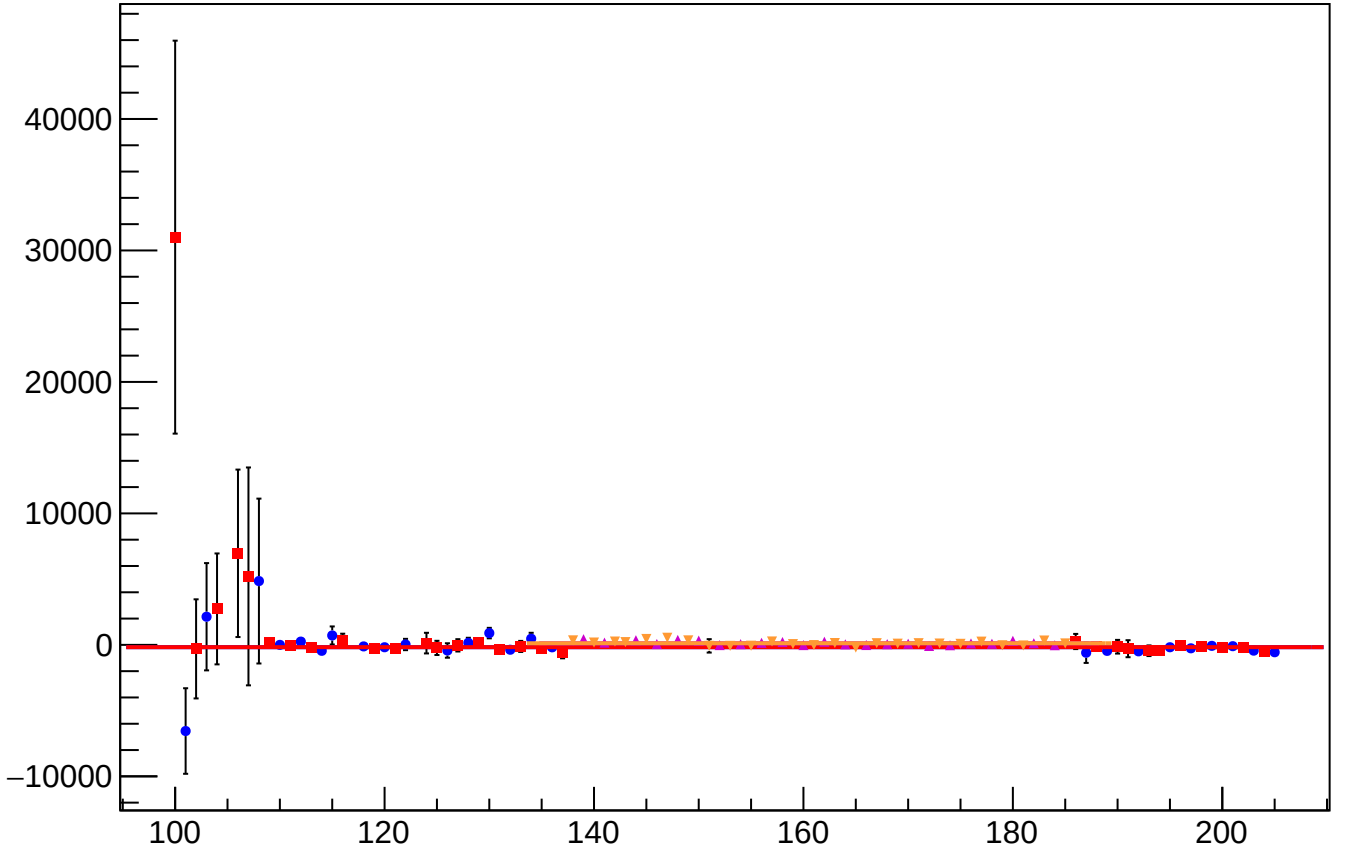
Right: 27.435+/-0.004 χ^2/NDF: 6866569.5/54

In: 28.147+/-0.004 χ^2/NDF:3445291.9/47

Out: 28.183+/-0.003 χ^2/NDF:3711768.3/54

All: 28.166+/-0.003 χ^2/NDF: 7157111.0/102

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs Slug, Sign Corrected



Right In: -175.743+/-51.712 χ^2/NDF: 32.0/24

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: -174.837+/-51.002 χ^2/NDF: 21.2/29

Left In: 123.046+/-45.269 χ^2/NDF:8.5/22

Left: 122.959+/-32.704 χ^2/NDF: 19.8/47

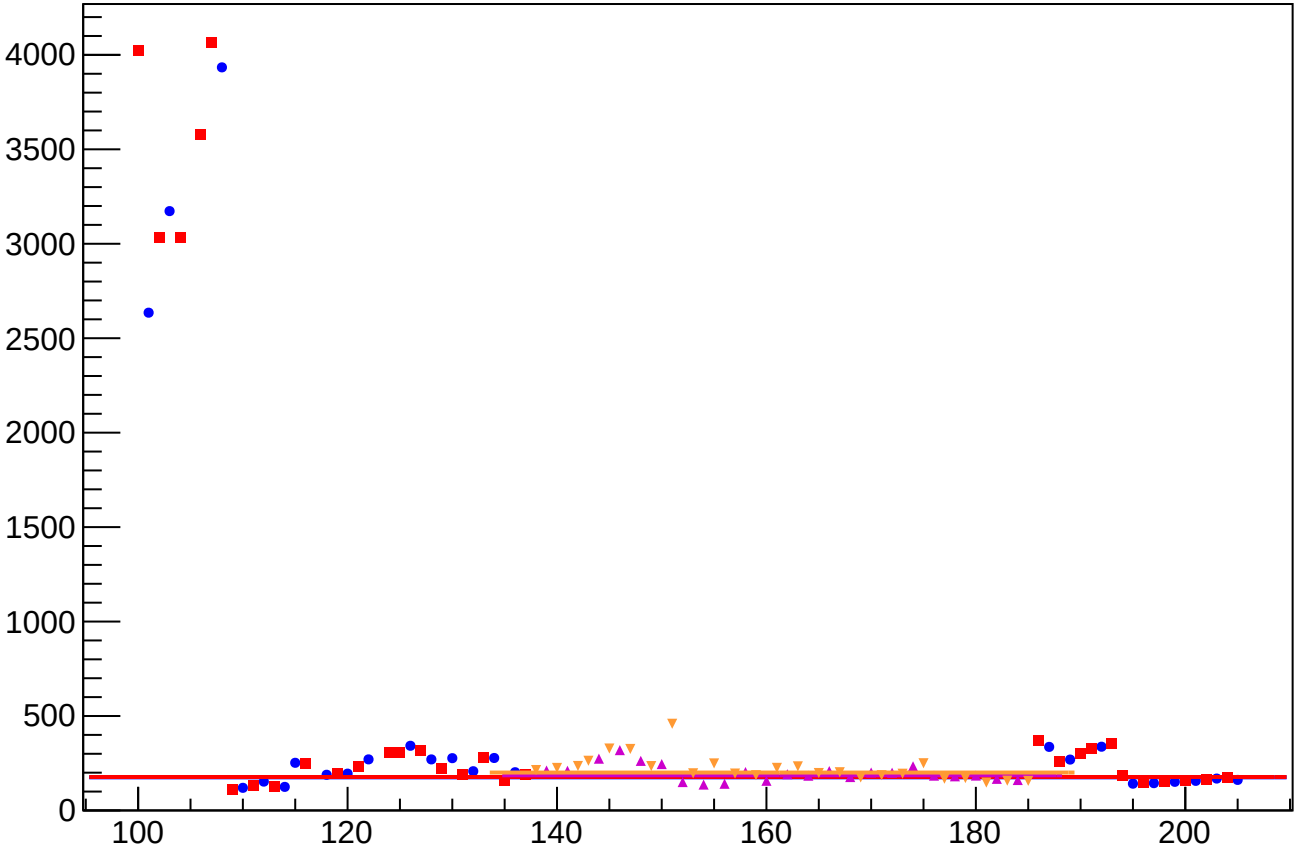
Right: -175.284+/-36.312 χ^2/NDF: 53.2/54

In: -6.585+/-34.062 χ^2/NDF:59.4/47

Out: -14.790+/-34.681 χ^2/NDF:50.9/54

All: -10.614+/-24.301 χ^2/NDF: 110.3/102

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug, Sign Corrected



Right In: 175.267+/-0.037 χ^2/NDF: 4796516.5/24

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

Right Out: 177.127+/-0.036 χ^2/NDF: 5435578.8/29

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

Left: 193.109+/-0.023 χ^2/NDF: 3391793.2/47

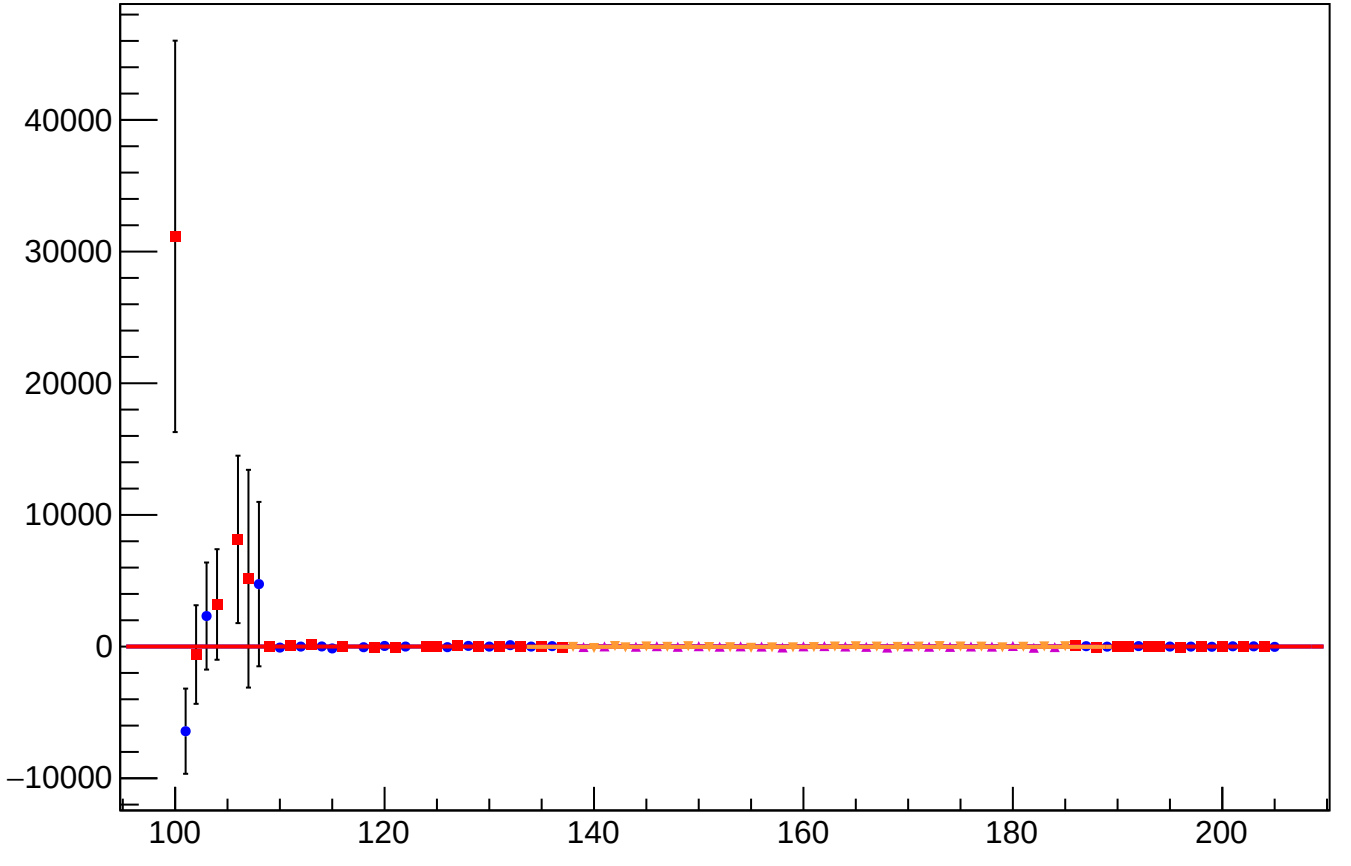
Right: 176.210+/-0.026 χ^2/NDF: 10233406.6/54

In: 181.439+/-0.024 χ^2/NDF:6260226.2/47

Out: 189.792+/-0.025 χ^2/NDF:7545077.0/54

All: 185.541+/-0.017 χ^2/NDF: 13864360.3/10

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs Slug, Sign Corrected



Right In: 6.227+/-9.469 χ^2/NDF: 19.7/24

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 5.008+/-9.171 χ^2/NDF: 30.8/29

Left In: -4.029+/-8.083 χ^2/NDF:18.9/22

Left: -12.896+/-5.626 χ^2/NDF: 44.2/47

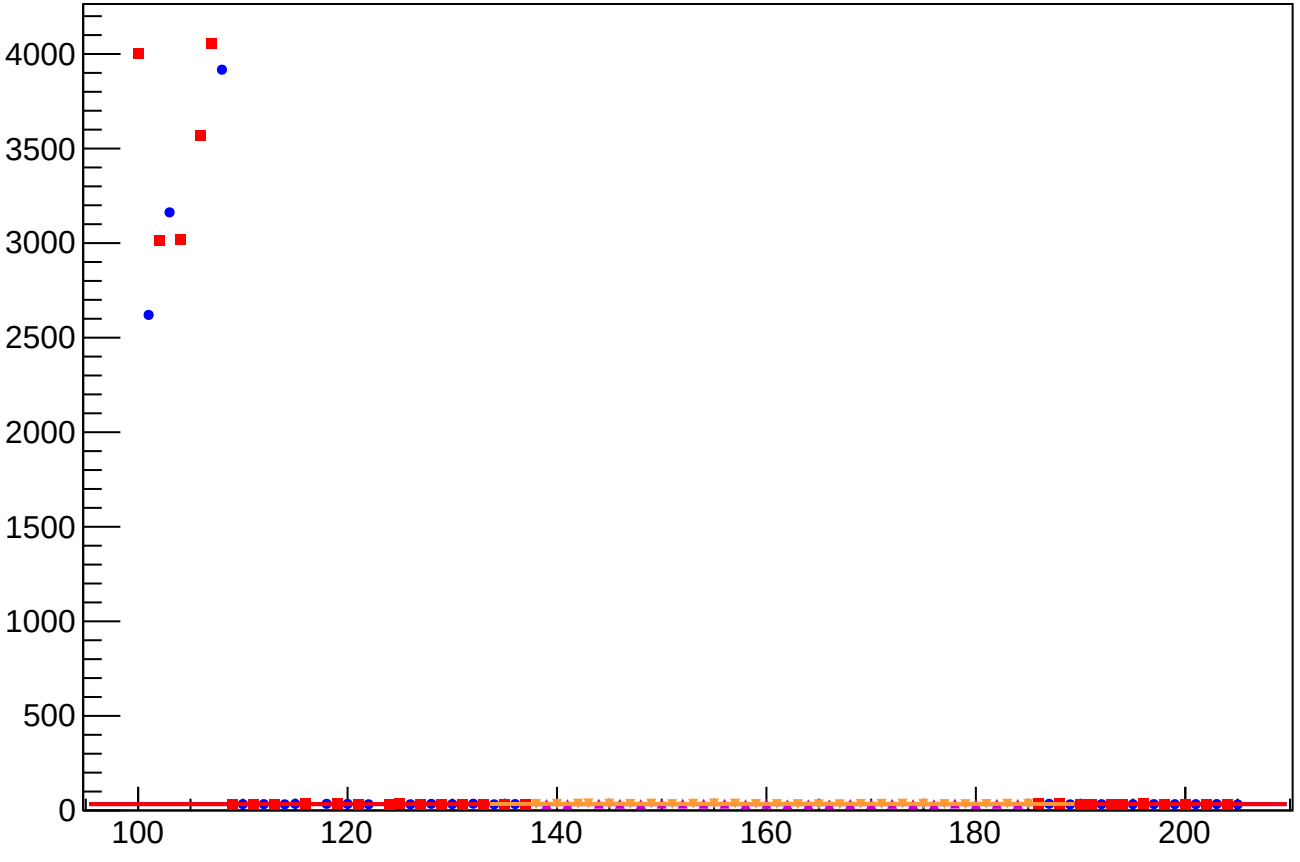
Right: 5.598+/-6.588 χ^2/NDF: 50.5/54

In: 0.294+/-6.148 χ^2/NDF:39.3/47

Out: -10.158+/-5.957 χ^2/NDF:58.4/54

All: -5.097+/-4.278 χ^2/NDF: 99.2/102

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug, Sign Corrected



Right In: 33.436+/-0.007 χ^2/NDF: 3254511.2/24

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.562+/-0.006 χ^2/NDF: 3541843.5/29

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

Left: 34.494+/-0.004 χ^2/NDF: 104170.1/47

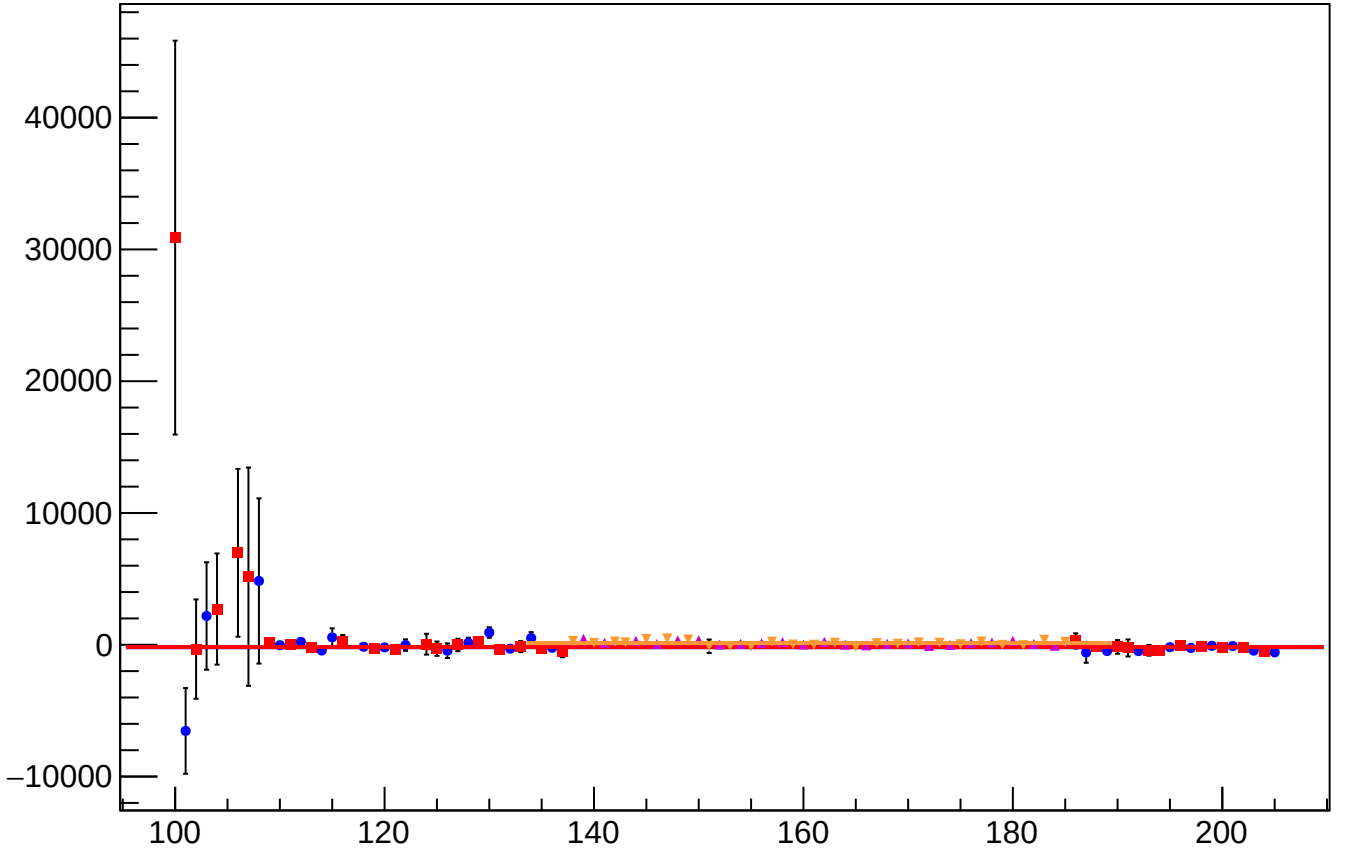
Right: 33.501+/-0.005 χ^2/NDF: 6796537.5/54

In: 34.081+/-0.004 χ^2/NDF:3329871.0/47

Out: 34.069+/-0.004 χ^2/NDF:3597099.9/54

All: 34.075+/-0.003 χ^2/NDF: 6926975.4/102

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug, Sign Corrected



Right In: -181.898+/-51.555 χ^2/NDF: 31.5/24

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: -175.343+/-50.802 χ^2/NDF: 20.4/29

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

Left: 125.142+/-32.654 χ^2/NDF: 19.6/47

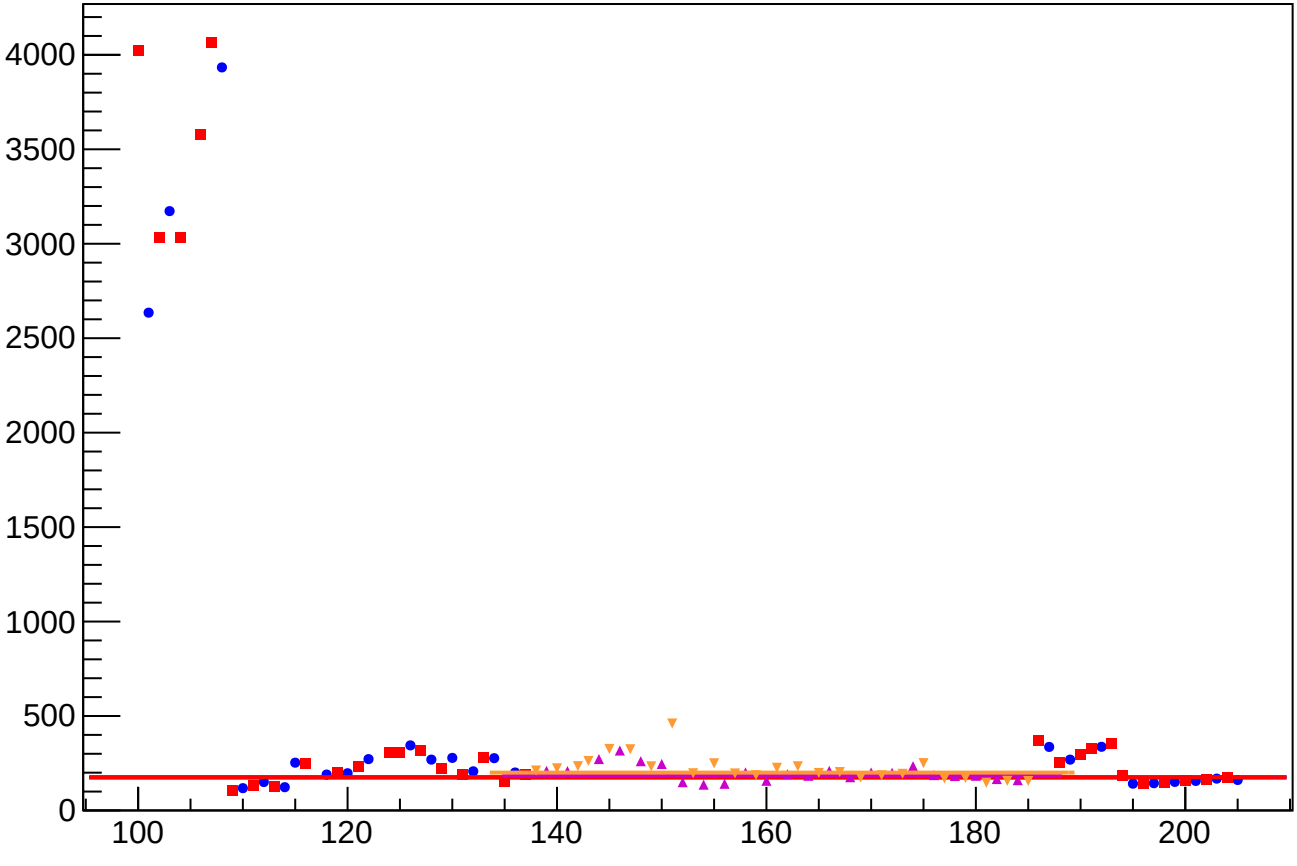
Right: -178.572+/-36.186 χ^2/NDF: 52.0/54

In: -9.611+/-33.987 χ^2/NDF:59.3/47

Out: -12.794+/-34.590 χ^2/NDF:51.1/54

All: -11.175+/-24.243 χ^2/NDF: 110.4/102

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug, Sign Corrected



Right In: 174.617+/-0.036 χ^2/NDF: 4825366.6/24

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

Right Out: 176.233+/-0.036 χ^2/NDF: 5488608.3/29

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

Left: 192.803+/-0.023 χ^2/NDF: 3380466.3/47

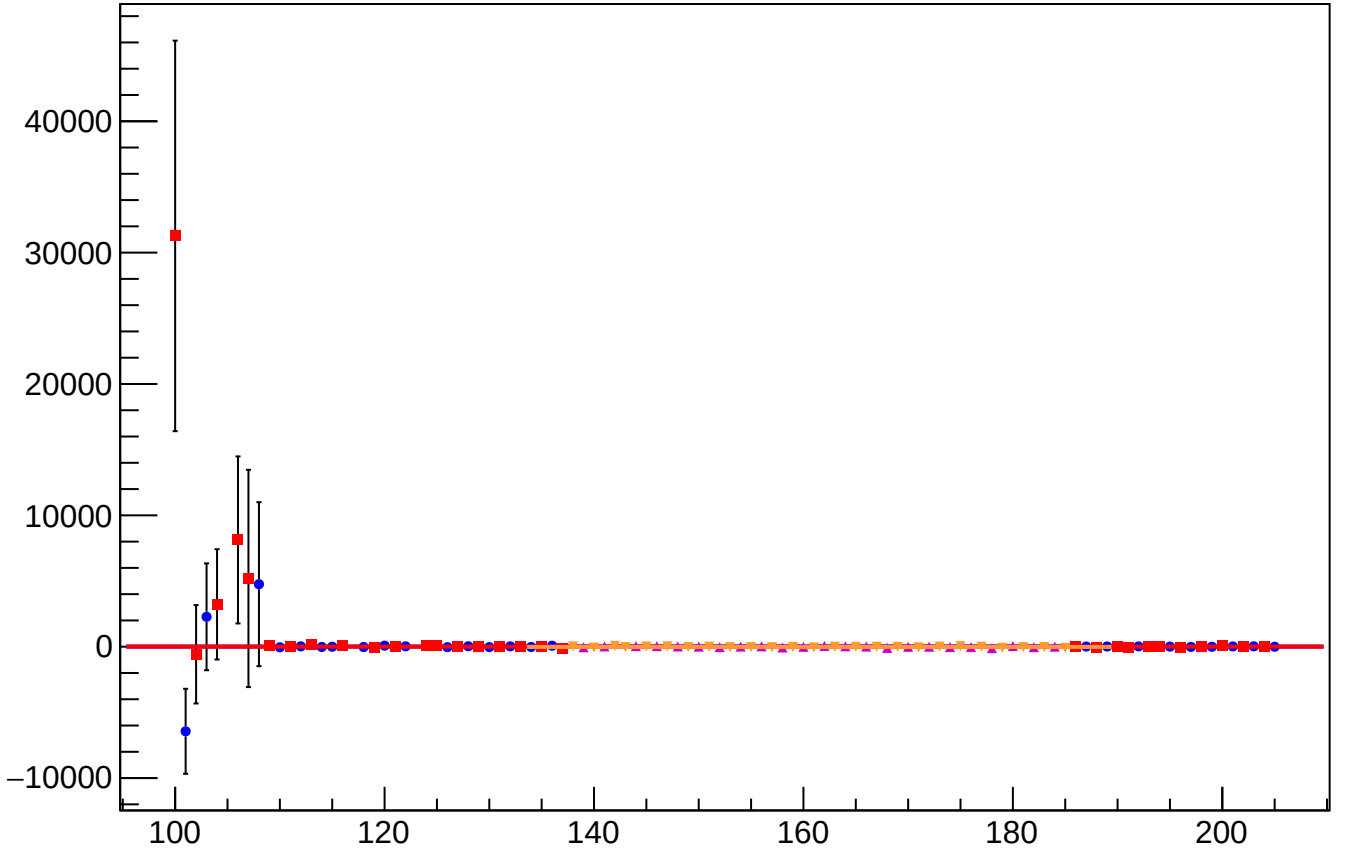
Right: 175.437+/-0.026 χ^2/NDF: 10314971.3/54

In: 180.981+/-0.024 χ^2/NDF:6284778.3/47

Out: 189.181+/-0.024 χ^2/NDF:7607365.1/54

All: 185.009+/-0.017 χ^2/NDF: 13949341.2/10

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug, Sign Corrected



Right In: 10.061+/-8.579 χ^2/NDF: 17.2/24

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 7.571+/-8.308 χ^2/NDF: 38.5/29

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

Left: -10.878+/-5.119 χ^2/NDF: 58.3/47

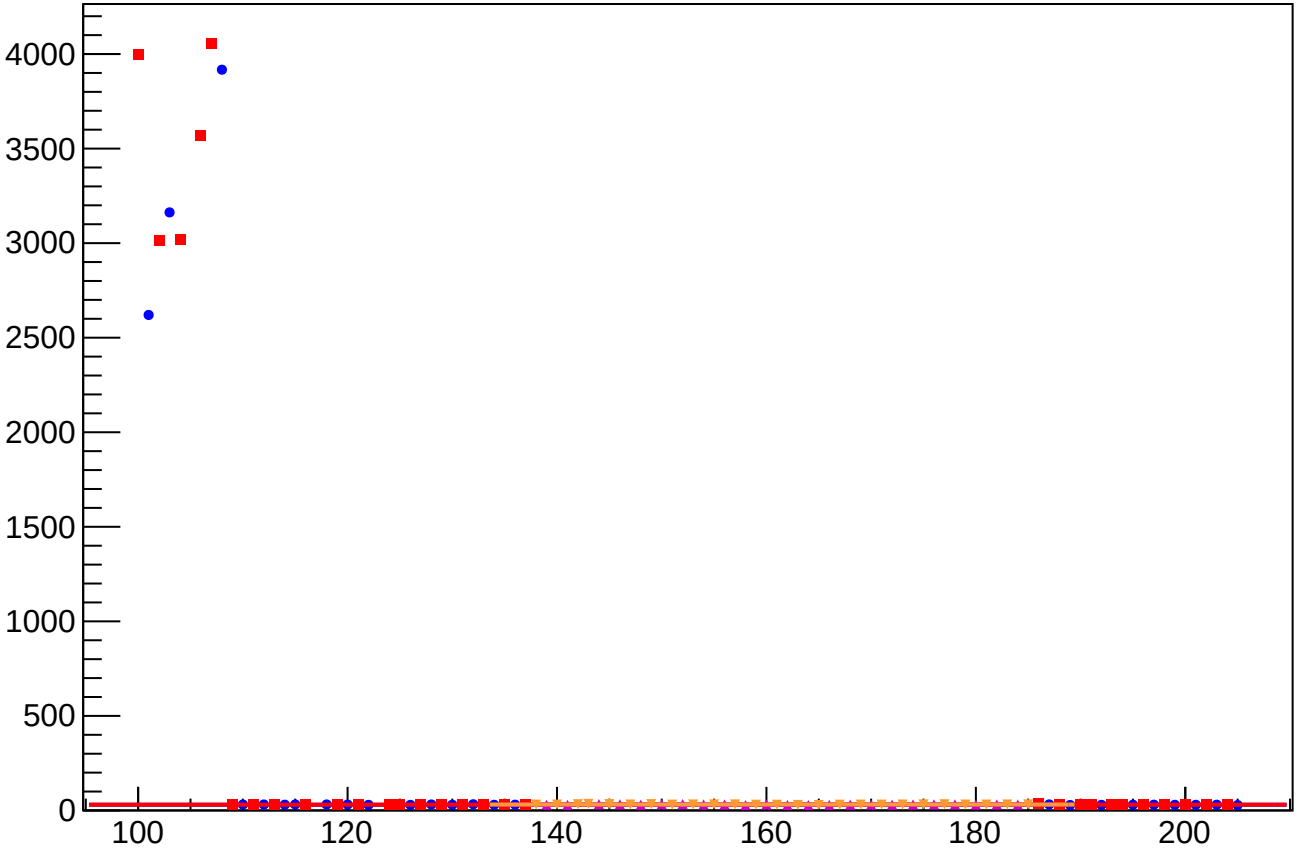
Right: 8.776+/-5.968 χ^2/NDF: 55.7/54

In: 2.694+/-5.581 χ^2/NDF:54.0/47

Out: -7.480+/-5.413 χ^2/NDF:64.6/54

All: -2.548+/-3.885 χ^2/NDF: 120.3/102

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug, Sign Corrected



Right In: 30.272+/-0.006 χ^2/NDF: 3271780.6/24

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.377+/-0.006 χ^2/NDF: 3560052.3/29

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

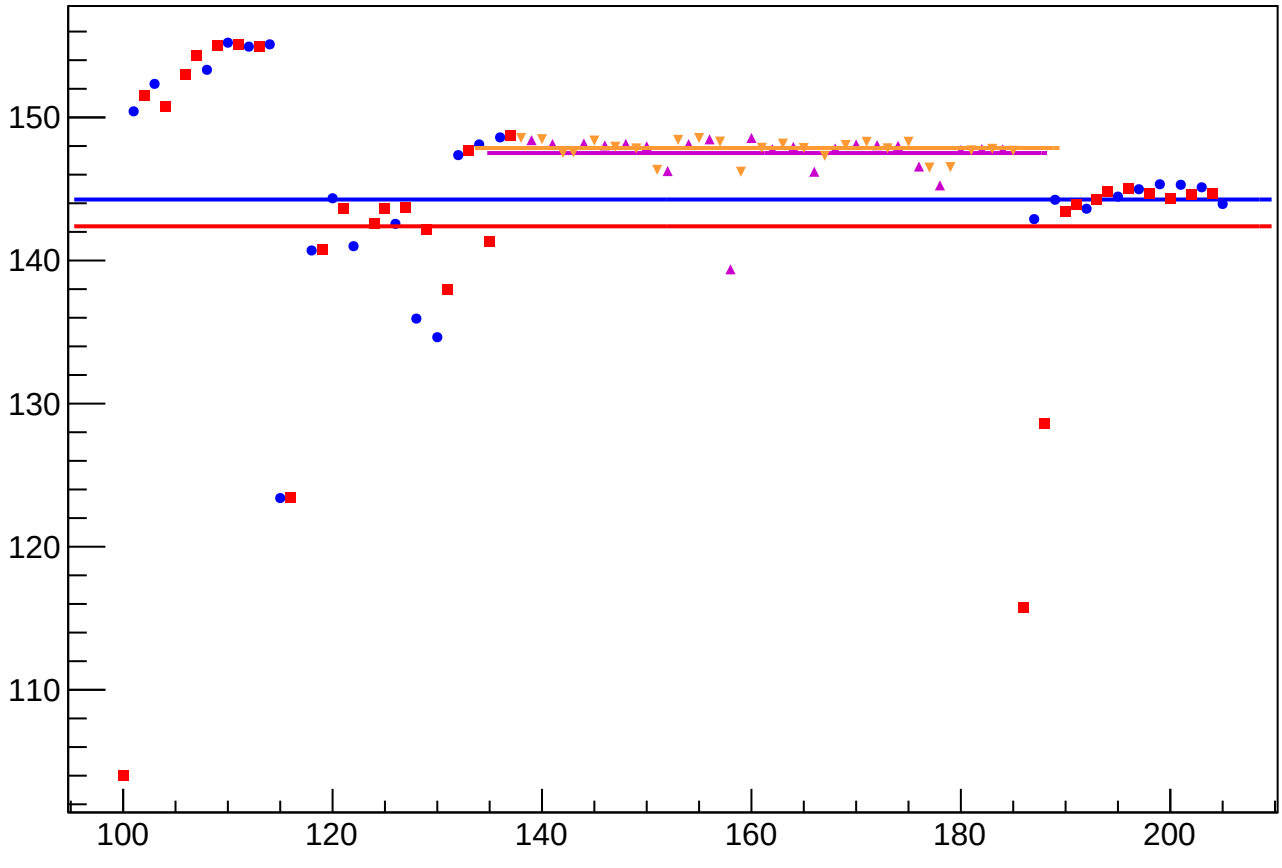
Left: 31.359+/-0.004 χ^2/NDF: 148277.4/47

Right: 30.326+/-0.004 χ^2/NDF: 6831989.1/54

In: 30.911+/-0.004 χ^2/NDF:3376242.8/47

Out: 30.931+/-0.004 χ^2/NDF:3638521.4/54

All: 30.921+/-0.003 χ^2/NDF: 7014778.1/102



Right In: 144.263+/-0.000 χ^2/NDF: 3738291854.7/24

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.391+/-0.000 χ^2/NDF: 7536156499.4/29

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

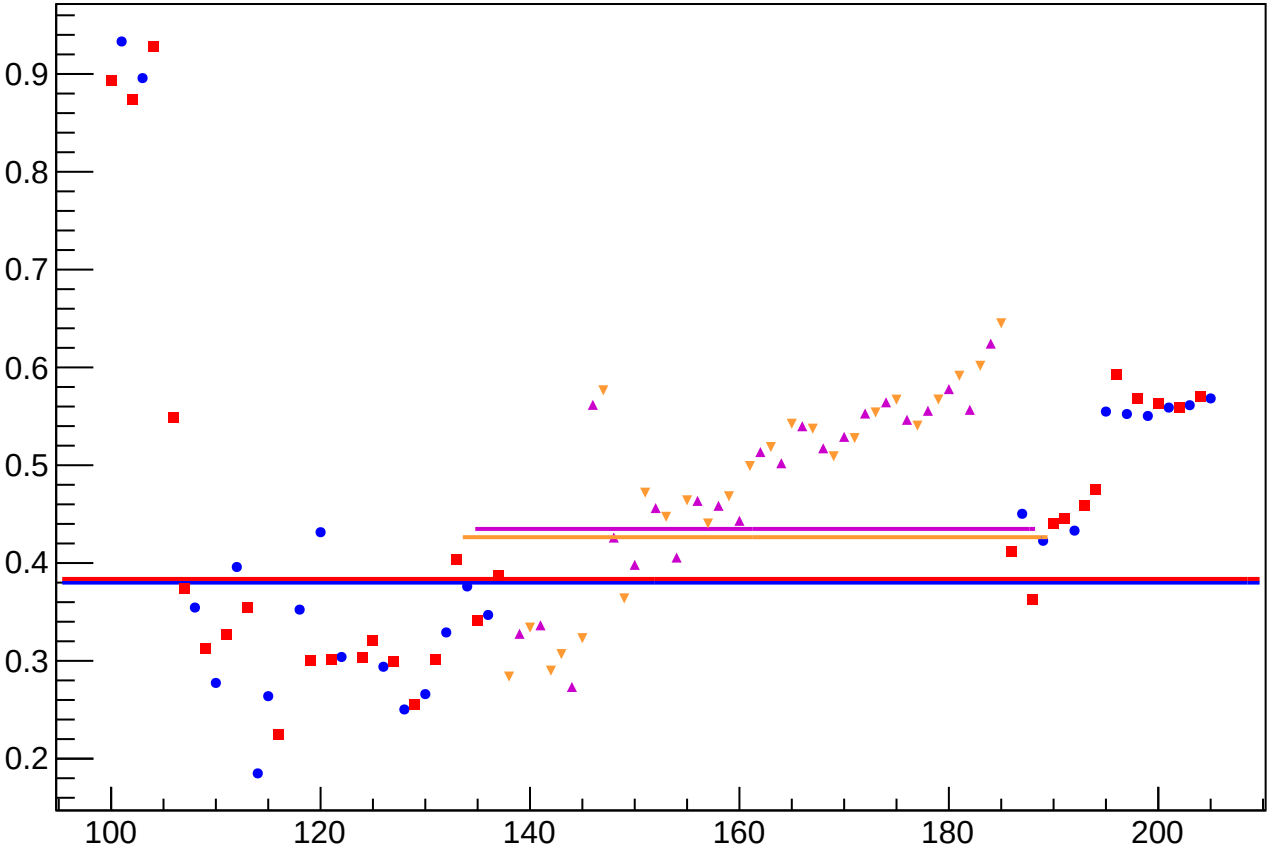
Right: 143.285+/-0.000 χ^2/NDF: 11423583110.2/54

In: 145.961+/-0.000 χ^2/NDF:4493687837.0/47

Out: 145.245+/-0.000 χ^2/NDF:8971897808.6/54

All: 145.588+/-0.000 χ^2/NDF: 13511208917.

yield_bcm_target_rms vs Slug, Sign Corrected



Right In: 0.380+/-0.000 χ^2/NDF: 2818905.5/24

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.384+/-0.000 χ^2/NDF: 2678125.3/29

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

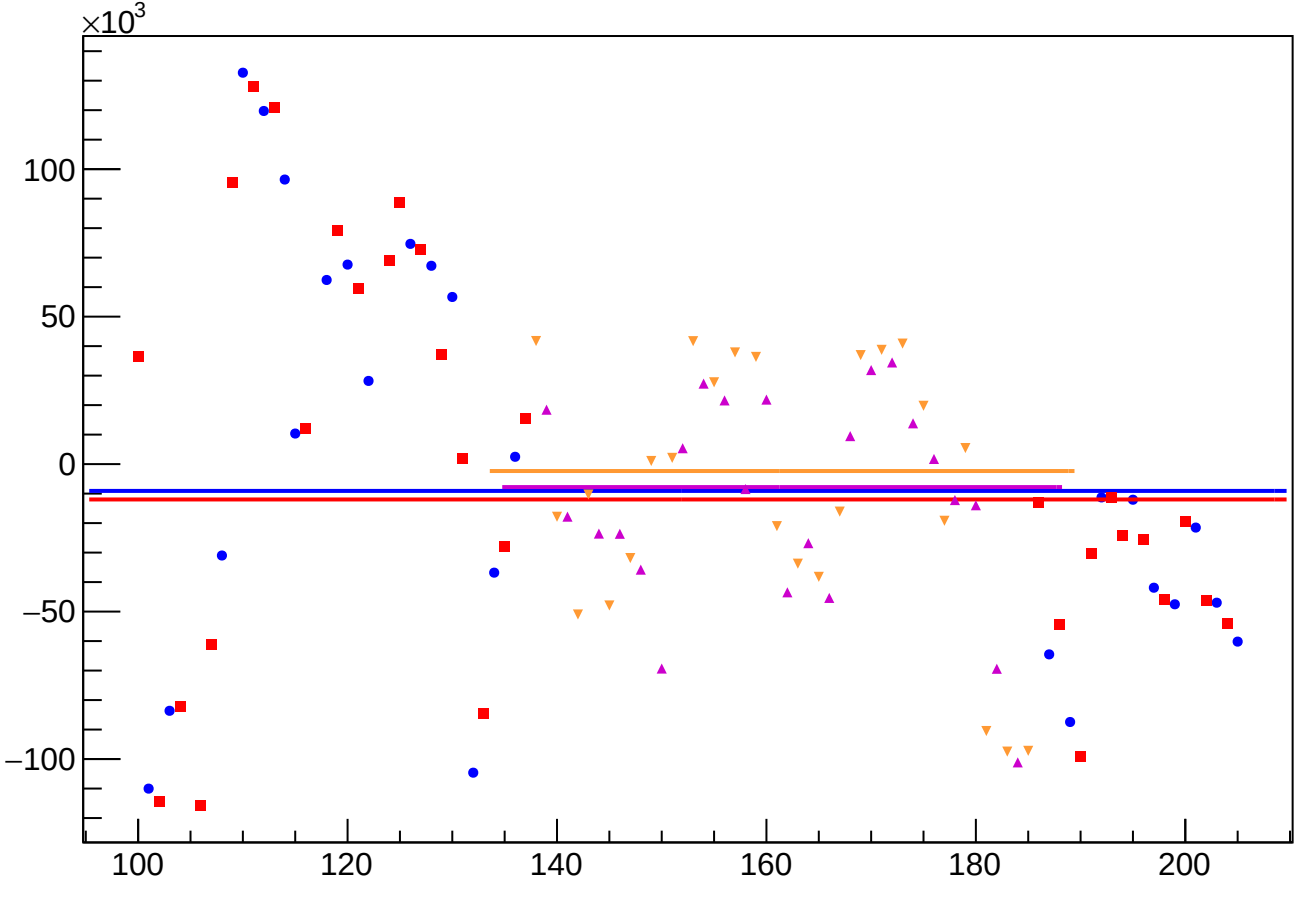
Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

Right: 0.382+/-0.000 χ^2/NDF: 5498229.2/54

In: 0.409+/-0.000 χ^2/NDF:4850205.3/47

Out: 0.406+/-0.000 χ^2/NDF:5106389.0/54

All: 0.407+/-0.000 χ^2/NDF: 9957873.9/102



Right In: -9086.981+/-1.457 χ^2/NDF: 1891195378.5/24

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -11987.372+/-1.355 χ^2/NDF: 2324571370.9/29

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

Left: -5015.253+/-0.802 χ^2/NDF: 2004045886.0/47

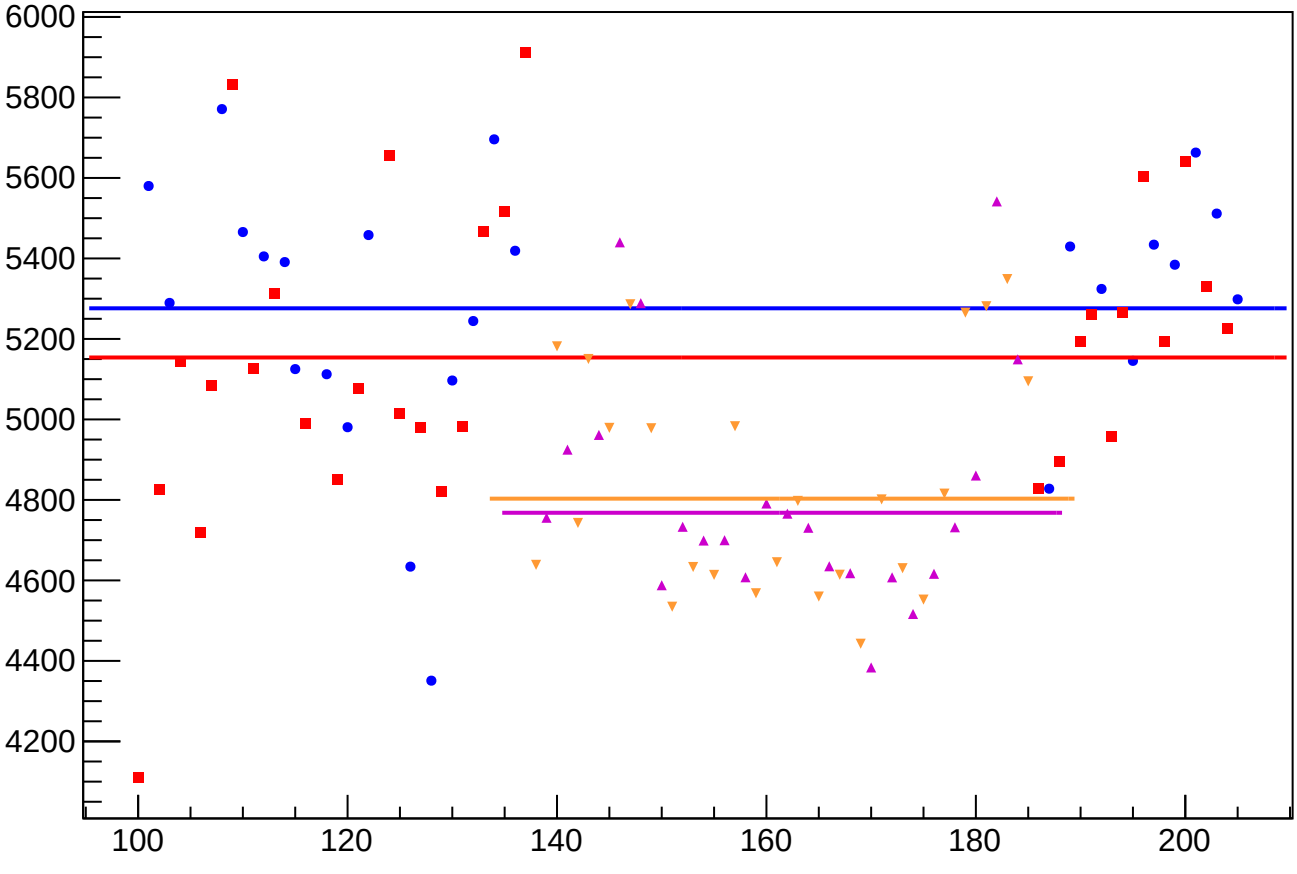
Right: -10642.154+/-0.993 χ^2/NDF: 4217890450.8/

In: -8283.420+/-0.900 χ^2/NDF:2654183522.3/47

Out: -6270.782+/-0.865 χ^2/NDF:3584604191.2/54

All: -7236.909+/-0.624 χ^2/NDF: 624138722

yield_bcm_an_diff_rms vs Slug, Sign Corrected



Right In: 5276.098+/-1.031 χ^2/NDF: 97397.9/24

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

Right Out: 5153.890+/-0.958 χ^2/NDF: 97409.4/29

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

Left: 4785.925+/-0.567 χ^2/NDF: 217994.1/47

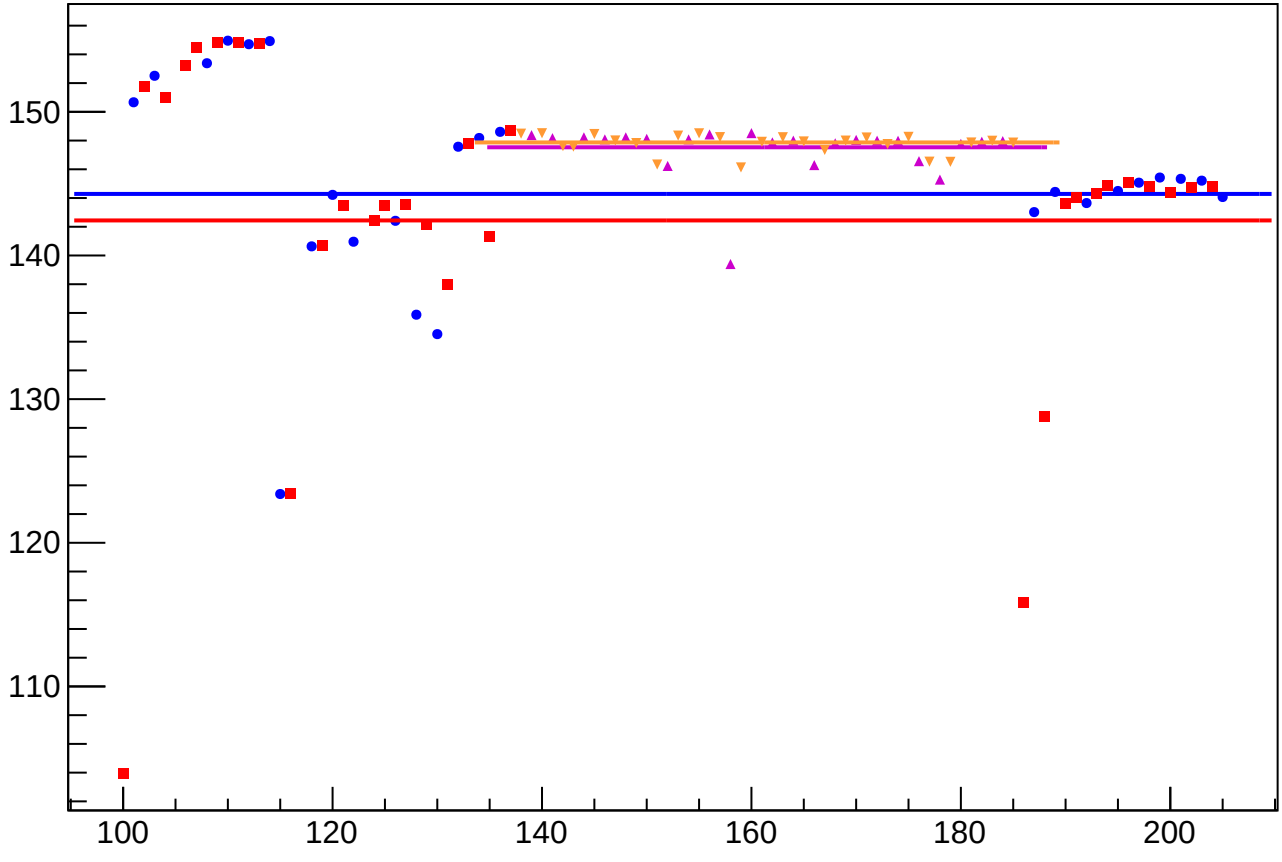
Right: 5210.571+/-0.702 χ^2/NDF: 202348.0/54

In: 4961.865+/-0.636 χ^2/NDF:350081.7/47

Out: 4945.945+/-0.612 χ^2/NDF:291491.8/54

All: 4953.587+/-0.441 χ^2/NDF: 641898.8/102

yield_bcm_an_ds_mean vs Slug, Sign Corrected



Right In: 144.285+/-0.000 χ^2/NDF: 3779630086.3/24

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.440+/-0.000 χ^2/NDF: 7511186736.6/29

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

Left: 147.708+/-0.000 χ^2/NDF: 356985822.2/47

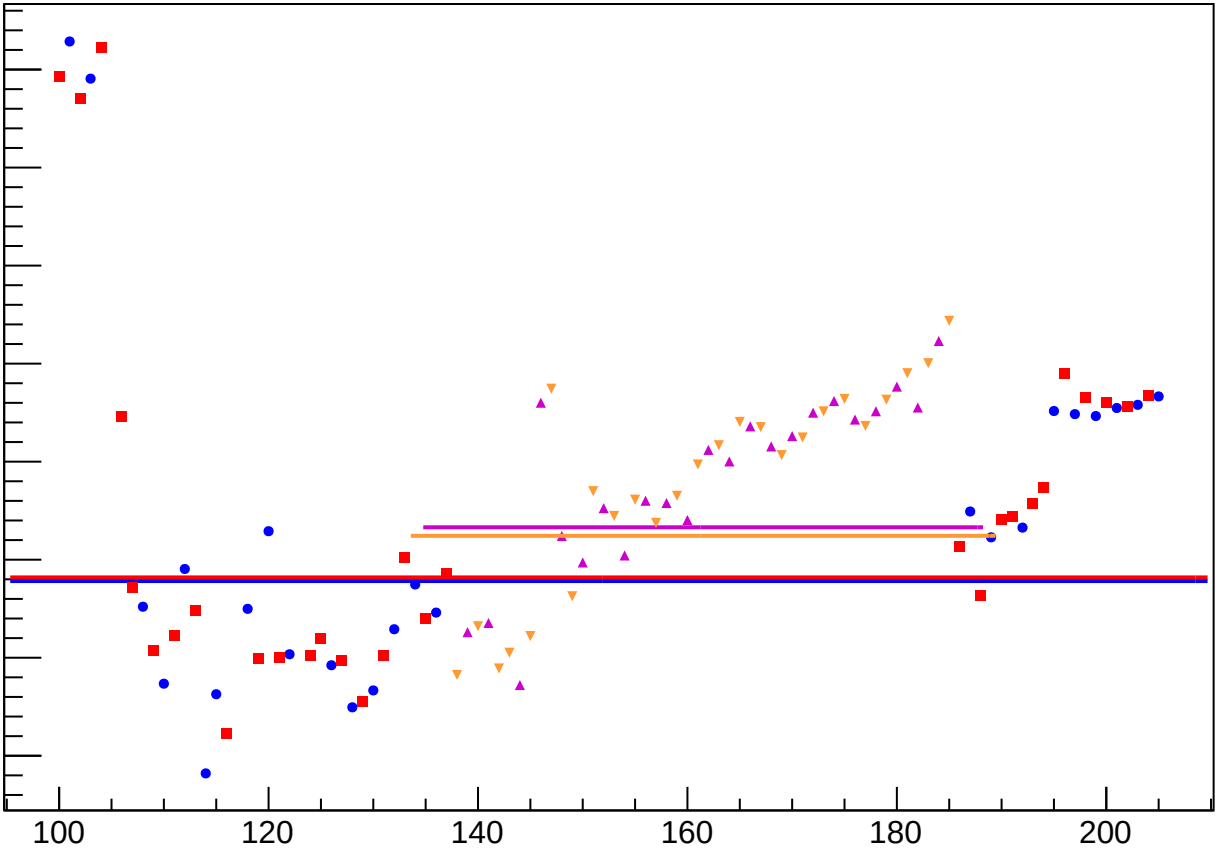
Right: 143.322+/-0.000 χ^2/NDF: 11436960691.4/54

In: 145.982+/-0.000 χ^2/NDF:4539472248.5/47

Out: 145.272+/-0.000 χ^2/NDF:8937290887.0/54

All: 145.612+/-0.000 χ^2/NDF: 13521914670.

yield_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 0.378+/-0.000 χ^2/NDF: 2817256.1/24

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

Right Out: 0.382+/-0.000 χ^2/NDF: 2685058.8/29

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

Left: 0.429+/-0.000 χ^2/NDF: 4038947.9/47

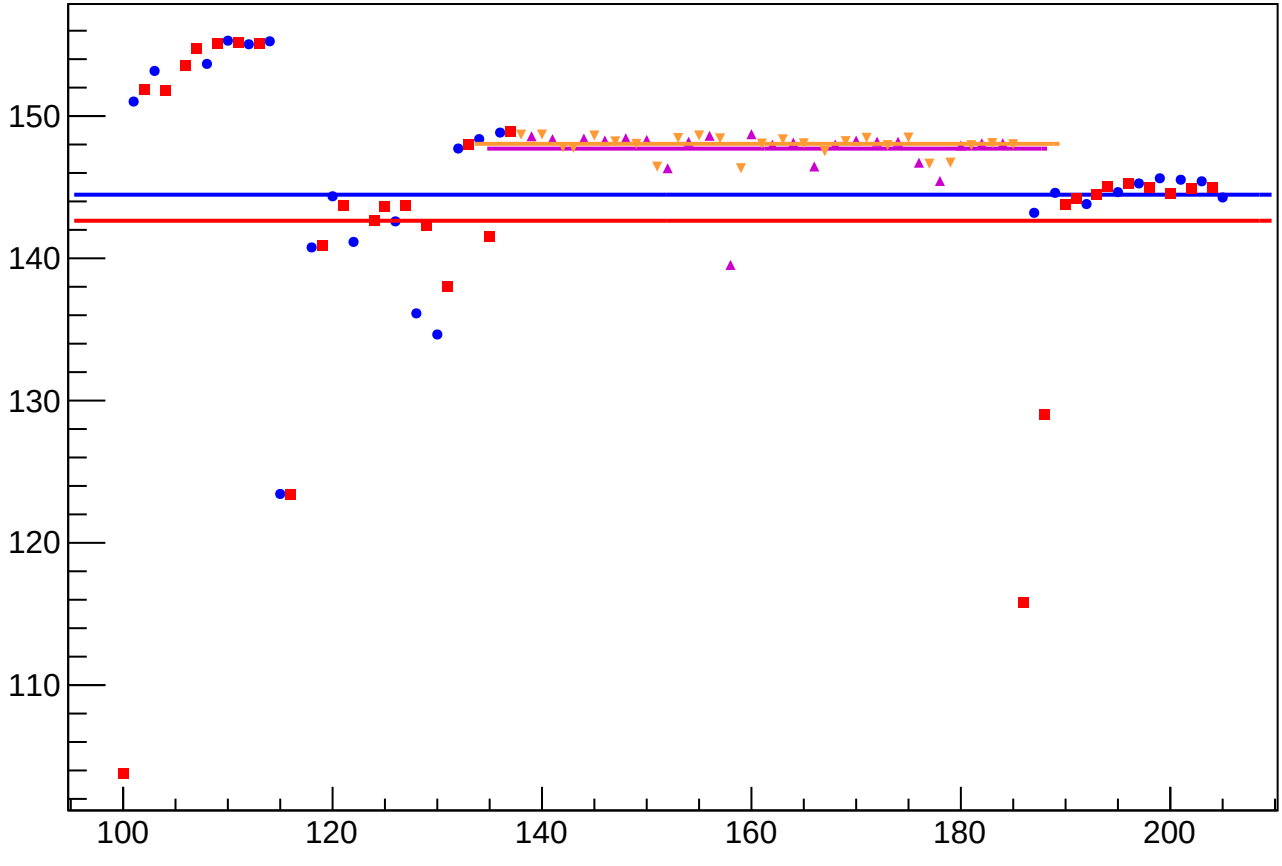
Right: 0.380+/-0.000 χ^2/NDF: 5503496.3/54

In: 0.407+/-0.000 χ^2/NDF:4846732.4/47

Out: 0.404+/-0.000 χ^2/NDF:5114593.4/54

All: 0.405+/-0.000 χ^2/NDF: 9962739.2/102

yield_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: 144.473+/-0.000 χ^2/NDF: 3773529976.0/24

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.642+/-0.000 χ^2/NDF: 7446300905.4/29

Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

Left: 147.887+/-0.000 χ^2/NDF: 362079380.3/47

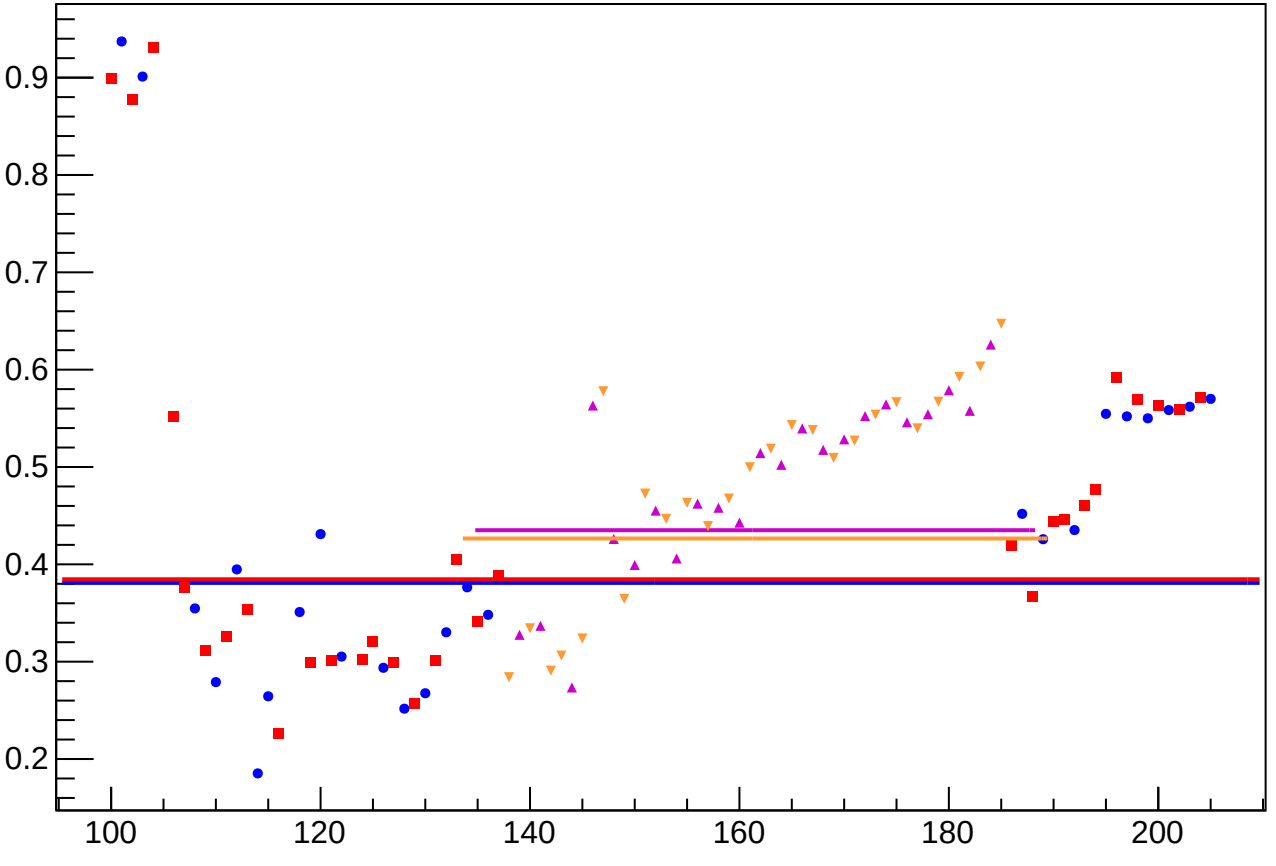
Right: 143.517+/-0.000 χ^2/NDF: 11361770206.2/54

In: 146.168+/-0.000 χ^2/NDF:4530318954.8/47

Out: 145.468+/-0.000 χ^2/NDF:8844957779.7/54

All: 145.803+/-0.000 χ^2/NDF: 13418829411.

yield_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 0.381+/-0.000 χ^2/NDF: 2807456.9/24

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

Right Out: 0.385+/-0.000 χ^2/NDF: 2680502.1/29

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

Left: 0.431+/-0.000 χ^2/NDF: 4033919.8/47

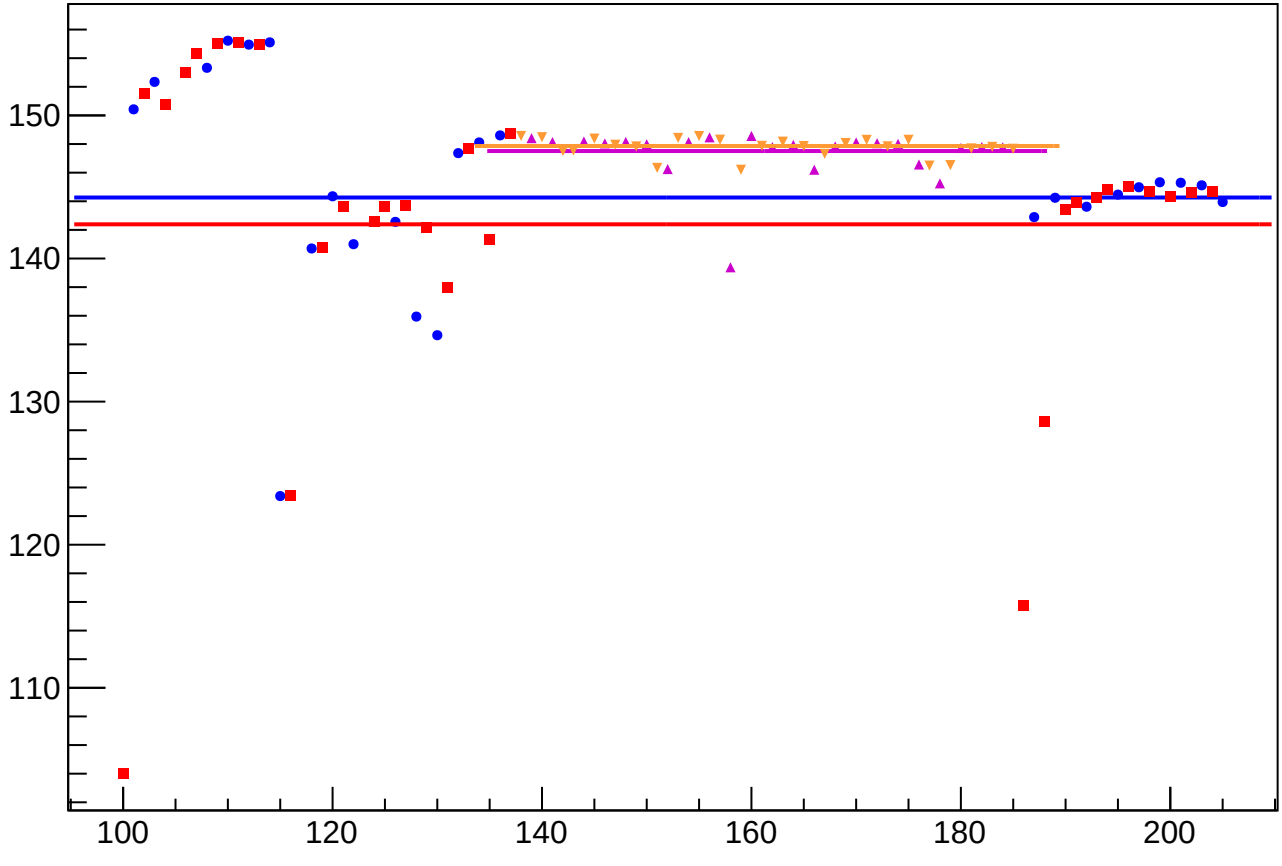
Right: 0.383+/-0.000 χ^2/NDF: 5489128.9/54

In: 0.409+/-0.000 χ^2/NDF:4825700.0/47

Out: 0.407+/-0.000 χ^2/NDF:5100428.3/54

All: 0.408+/-0.000 χ^2/NDF: 9927446.9/102

yield_bcm_an_us_mean vs Slug, Sign Corrected



Right In: 144.263+/-0.000 χ^2/NDF: 3738291854.7/24

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.391+/-0.000 χ^2/NDF: 7536156499.4/29

Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

Left: 147.695+/-0.000 χ^2/NDF: 357135734.4/47

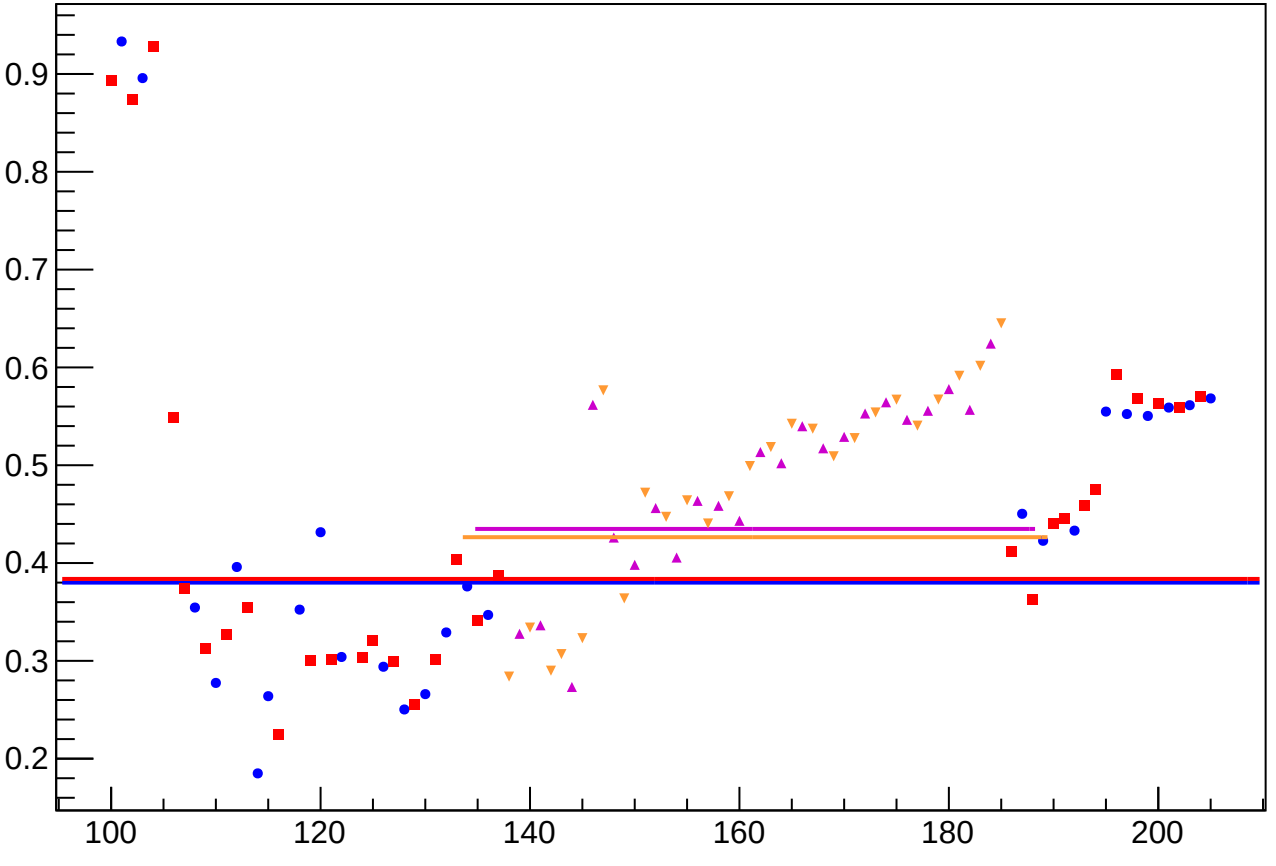
Right: 143.285+/-0.000 χ^2/NDF: 11423583110.2/54

In: 145.961+/-0.000 χ^2/NDF:4493687837.0/47

Out: 145.245+/-0.000 χ^2/NDF:8971897808.6/54

All: 145.588+/-0.000 χ^2/NDF: 13511208917.

yield_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 0.380+/-0.000 χ^2/NDF: 2818905.5/24

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.384+/-0.000 χ^2/NDF: 2678125.3/29

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

Left: 0.430+/-0.000 χ^2/NDF: 4040738.3/47

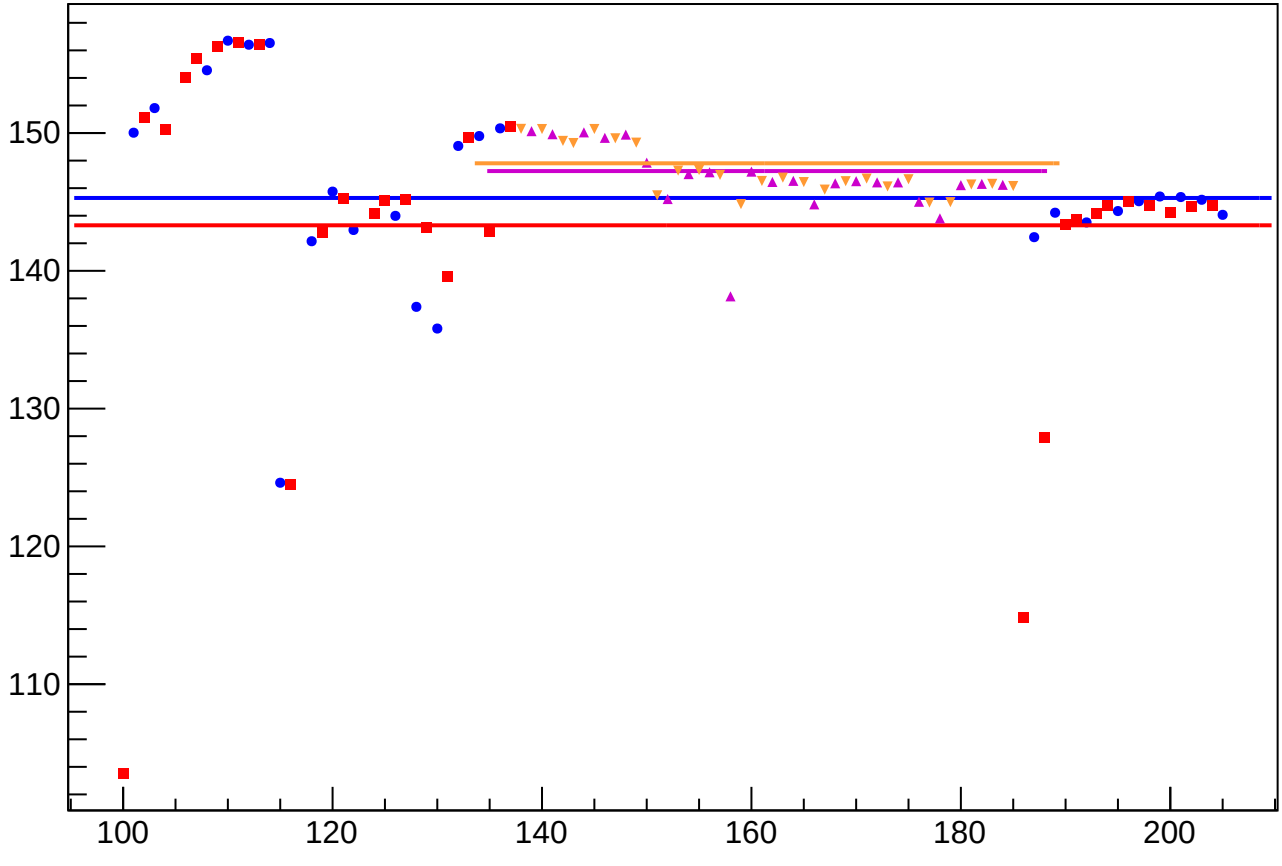
Right: 0.382+/-0.000 χ^2/NDF: 5498229.2/54

In: 0.409+/-0.000 χ^2/NDF:4850205.3/47

Out: 0.406+/-0.000 χ^2/NDF:5106389.0/54

All: 0.407+/-0.000 χ^2/NDF: 9957873.9/102

yield_bcm_dg_us_mean vs Slug, Sign Corrected



Right In: 145.289+/-0.000 χ^2/NDF: 3519102423.7/24

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.304+/-0.000 χ^2/NDF: 7610856763.2/29

Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

Left: 147.533+/-0.000 χ^2/NDF: 959733428.8/47

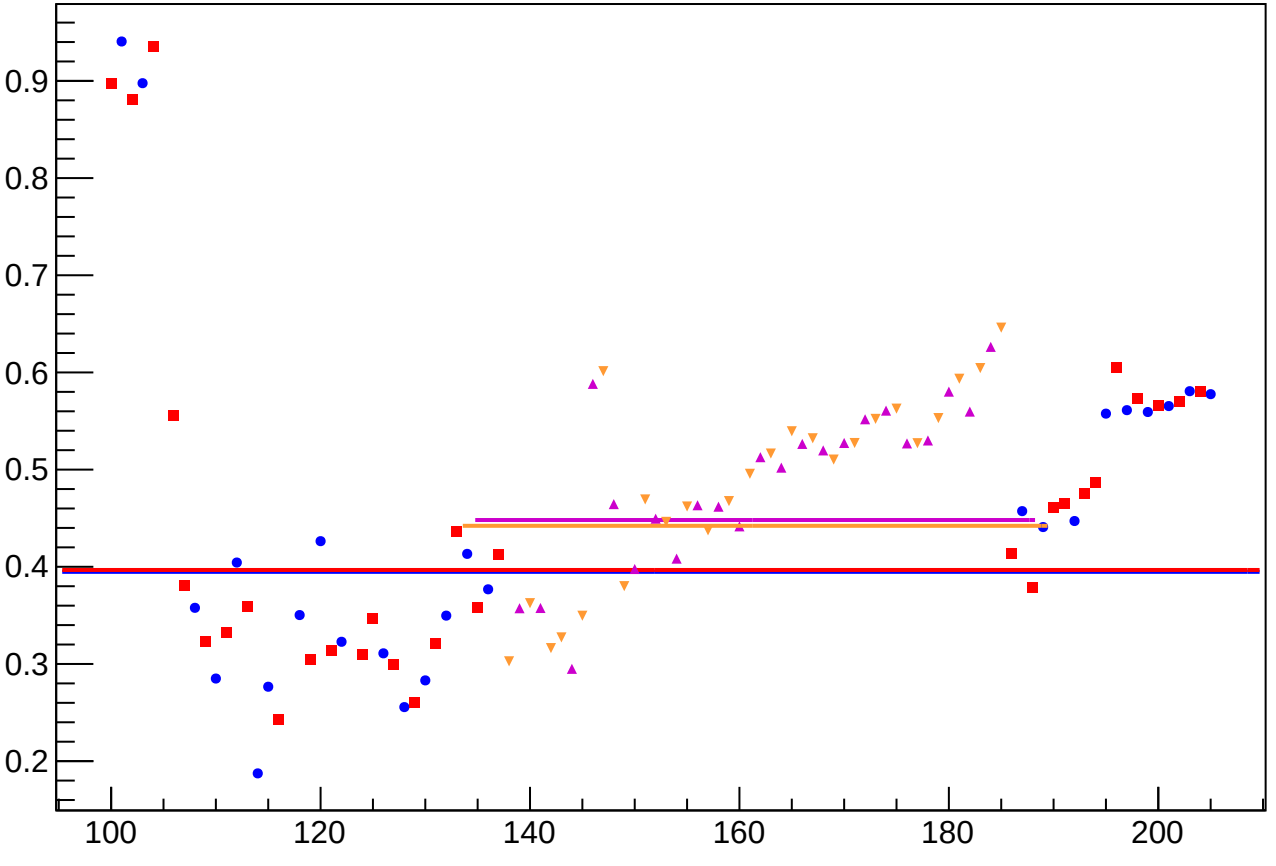
Right: 144.248+/-0.000 χ^2/NDF: 11286197001.3/54

In: 146.322+/-0.000 χ^2/NDF:4290360824.6/47

Out: 145.657+/-0.000 χ^2/NDF:8821358599.3/54

All: 145.975+/-0.000 χ^2/NDF: 13148672888.

yield_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 0.395+/-0.000 χ^2/NDF: 2677506.8/24

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.397+/-0.000 χ^2/NDF: 2559366.9/29

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

Left: 0.445+/-0.000 χ^2/NDF: 3055136.8/47

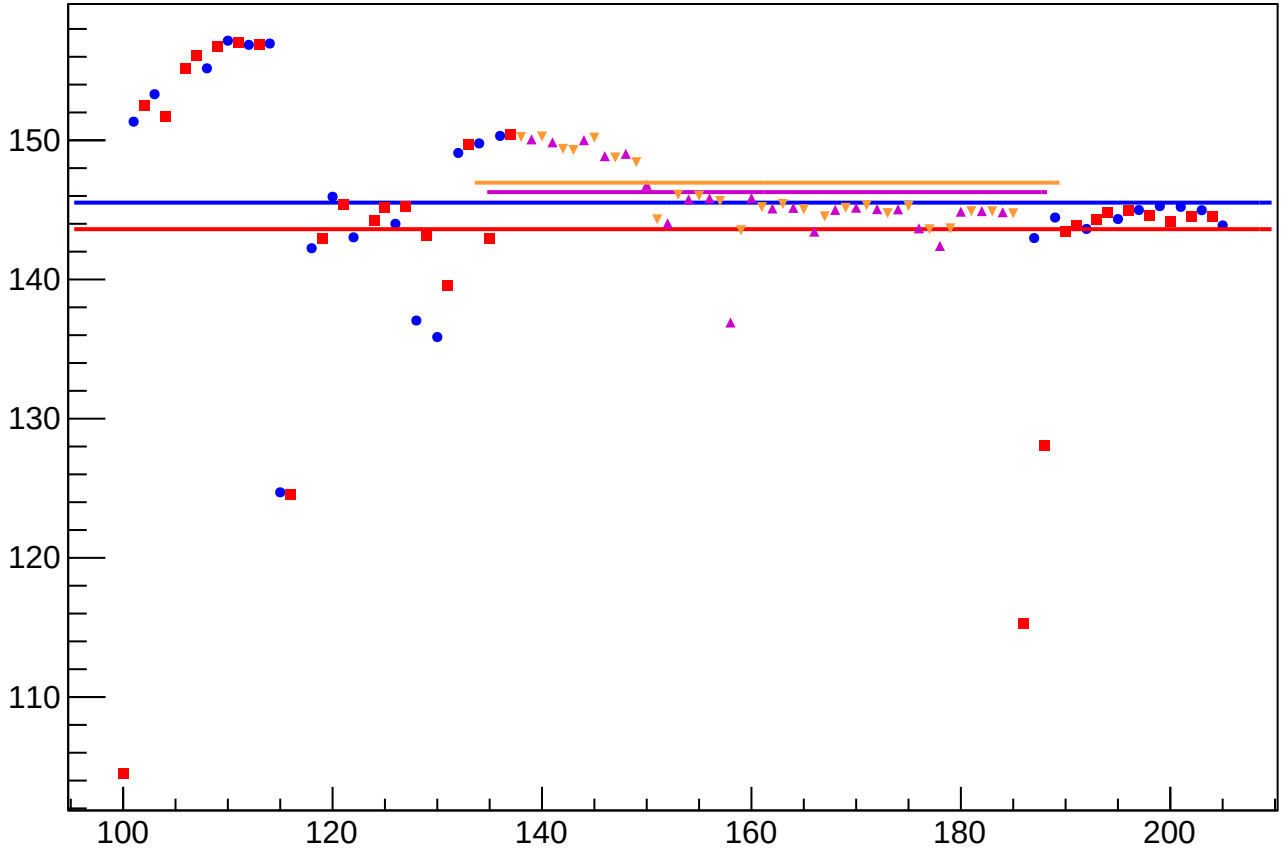
Right: 0.396+/-0.000 χ^2/NDF: 5237162.4/54

In: 0.423+/-0.000 χ^2/NDF:4253012.9/47

Out: 0.420+/-0.000 χ^2/NDF:4443828.8/54

All: 0.422+/-0.000 χ^2/NDF: 8697924.6/102

yield_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: 145.522+/-0.000 χ^2/NDF: 3668940989.1/24

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.614+/-0.000 χ^2/NDF: 7672643324.2/29

Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

Left: 146.630+/-0.000 χ^2/NDF: 1388188459.0/47

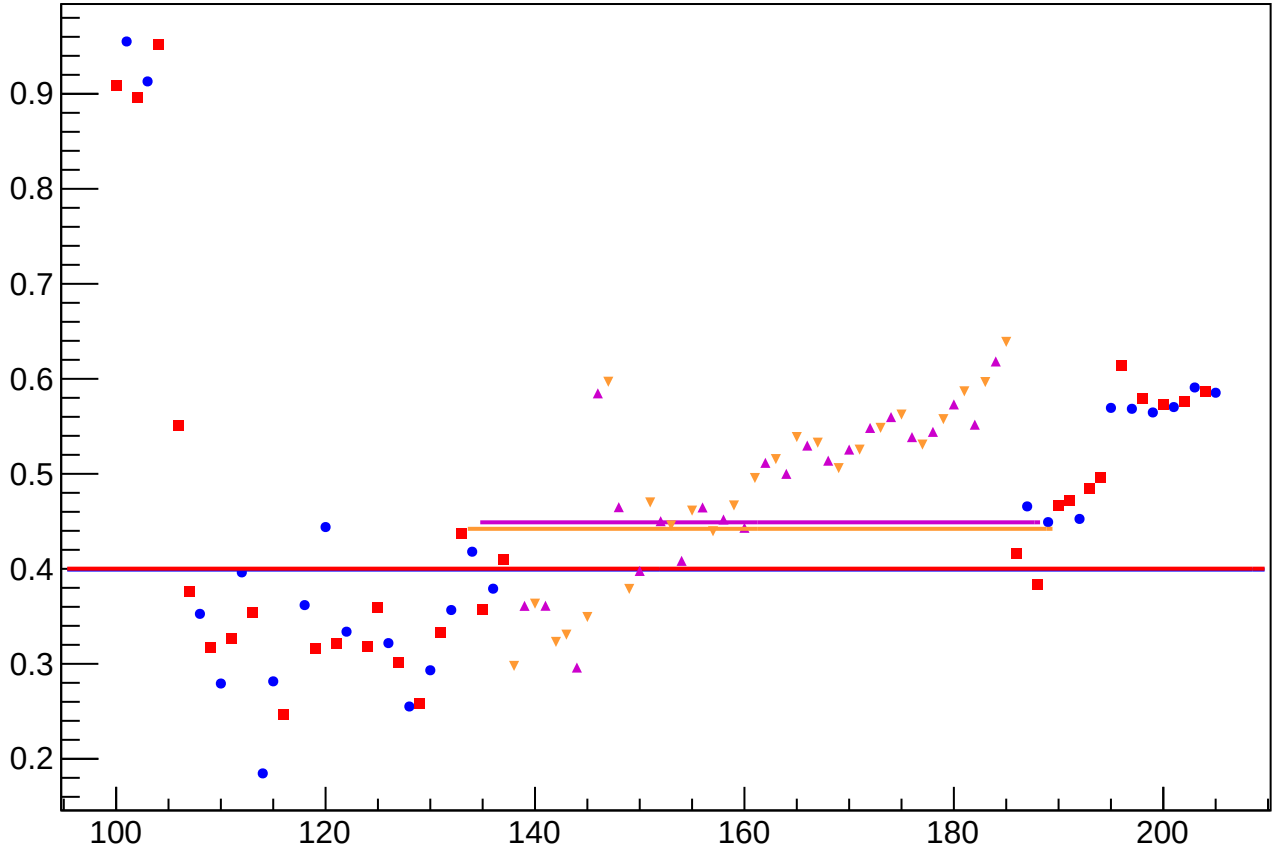
Right: 144.519+/-0.000 χ^2/NDF: 11482750184.3/54

In: 145.926+/-0.000 χ^2/NDF:4516641172.8/47

Out: 145.378+/-0.000 χ^2/NDF:8697534918.9/54

All: 145.640+/-0.000 χ^2/NDF: 13239008126.

yield_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 0.399+/-0.000 χ^2/NDF: 2716668.2/24

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.400+/-0.000 χ^2/NDF: 2583625.7/29

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

Left: 0.445+/-0.000 χ^2/NDF: 2981452.0/47

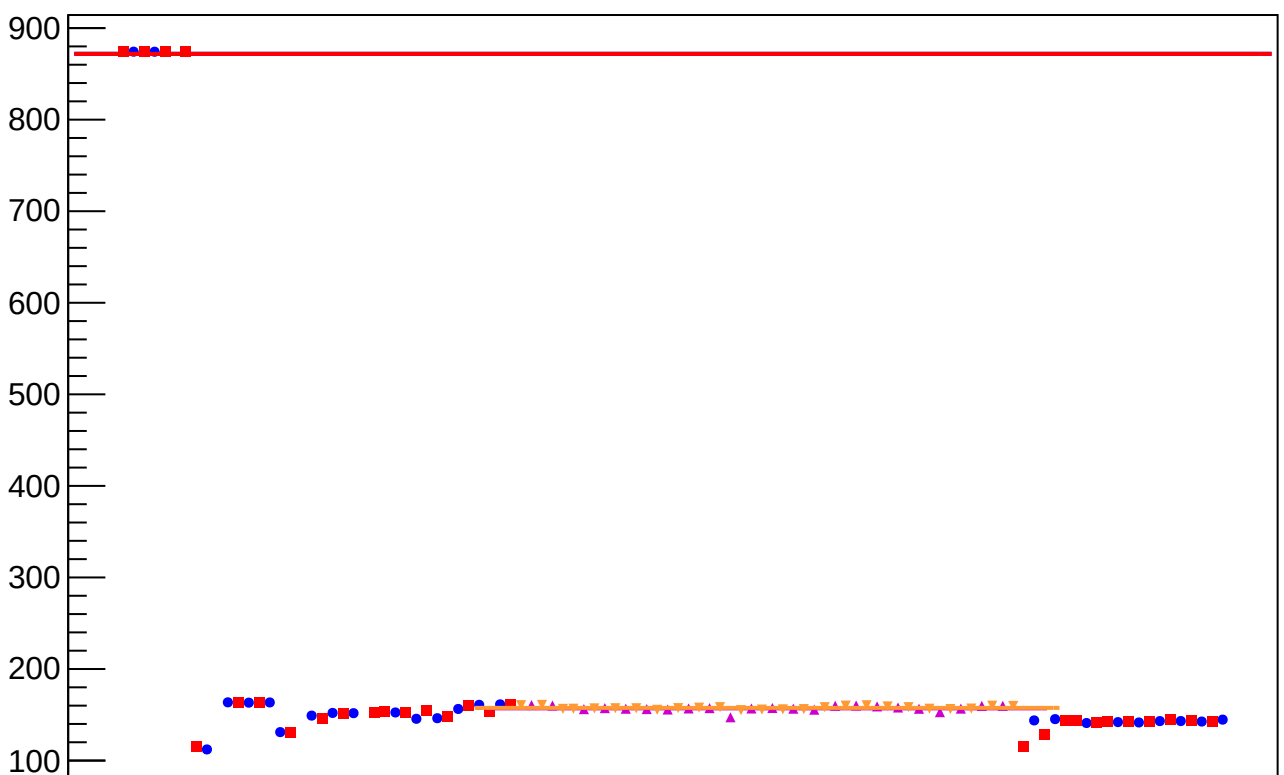
Right: 0.400+/-0.000 χ^2/NDF: 5300366.5/54

In: 0.426+/-0.000 χ^2/NDF:4212539.6/47

Out: 0.422+/-0.000 χ^2/NDF:4412168.9/54

All: 0.424+/-0.000 χ^2/NDF: 8626723.5/102

yield_cav4bQ_mean vs Slug, Sign Corrected



Right In: 872.011+/-0.000 χ^2/NDF: 11408749592221.9/24

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.777+/-0.000 χ^2/NDF: 14588226899165.8/29

Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

Left: 157.295+/-0.000 χ^2/NDF: 349528490.6/47

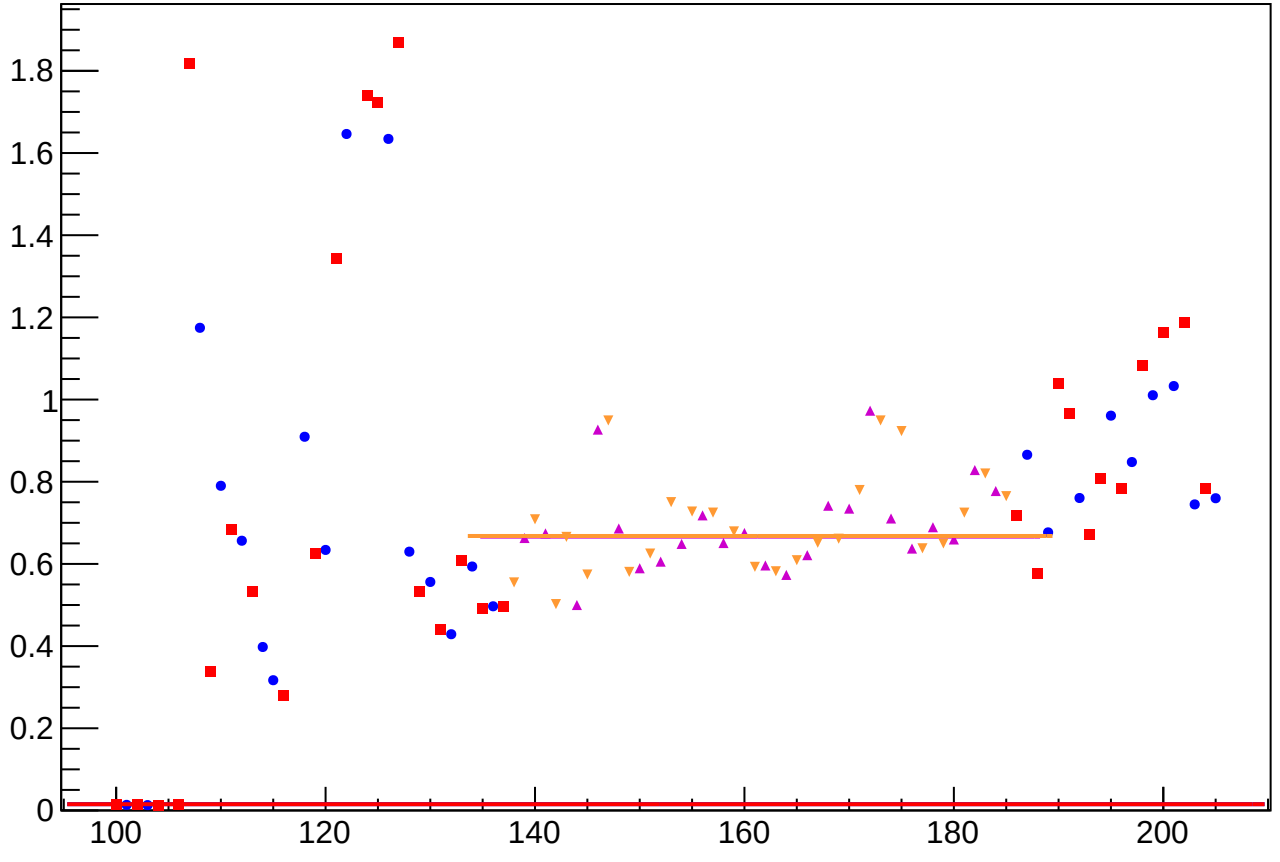
Right: 871.886+/-0.000 χ^2/NDF: 25997184677002.8

In: 868.777+/-0.000 χ^2/NDF:27902113265858.7/4

Out: 868.845+/-0.000 χ^2/NDF:31799846546262.7

All: 868.813+/-0.000 χ^2/NDF: 597019778113

yield_cav4bQ_rms vs Slug, Sign Corrected



Right In: 0.015+/-0.000 χ^2/NDF: 20154198.2/24

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 22026435.4/29

Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

Left: 0.667+/-0.000 χ^2/NDF: 1217874.8/47

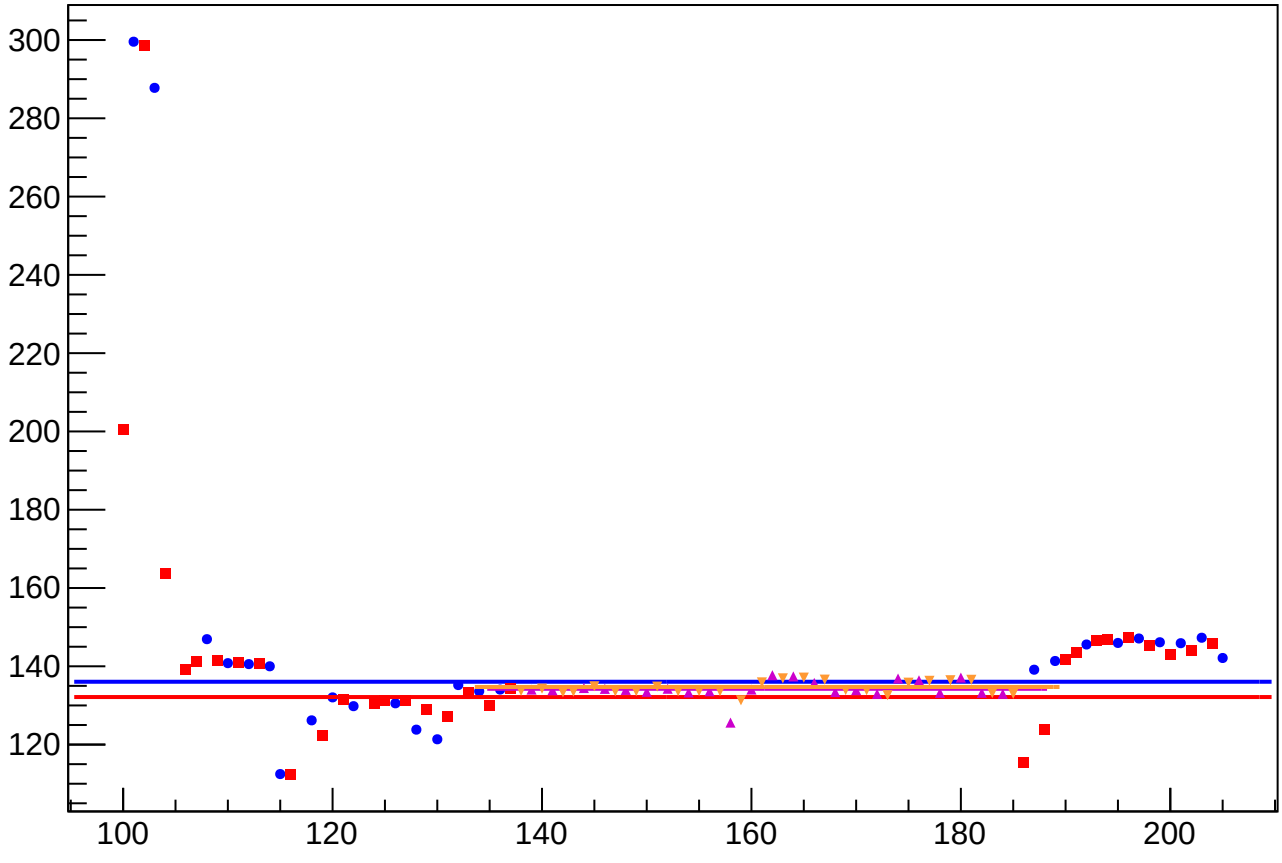
Right: 0.015+/-0.000 χ^2/NDF: 42180706.6/54

In: 0.018+/-0.000 χ^2/NDF:48051233.8/47

Out: 0.018+/-0.000 χ^2/NDF:51465408.0/54

All: 0.018+/-0.000 χ^2/NDF: 99517654.0/102

yield_cav4cQ_mean vs Slug, Sign Corrected



Right In: 136.052+/-0.000 χ^2/NDF: 3303550493.5/24

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 132.146+/-0.000 χ^2/NDF: 4689544671.5/29

Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

Left: 134.494+/-0.000 χ^2/NDF: 608238403.3/47

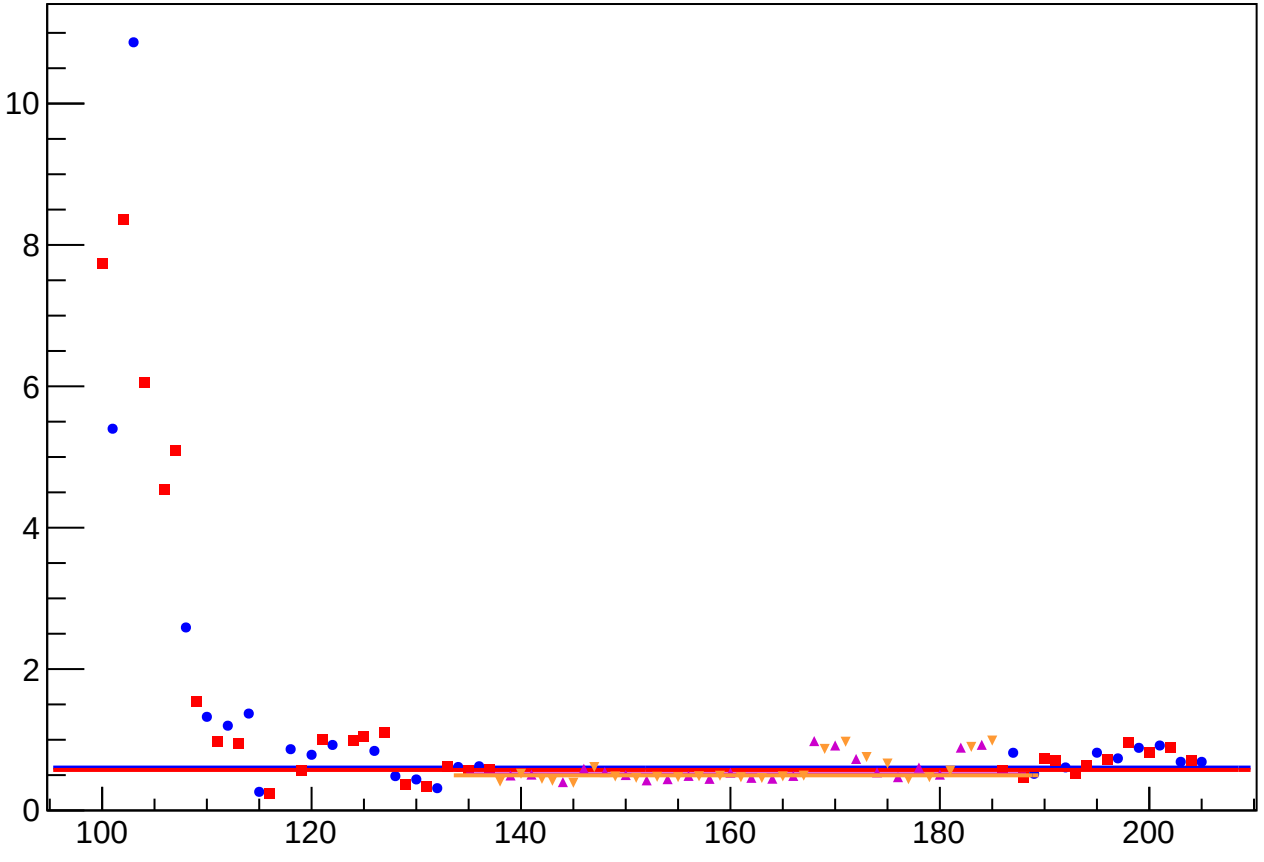
Right: 133.913+/-0.000 χ^2/NDF: 8197909986.4/54

In: 134.770+/-0.000 χ^2/NDF:3801715528.1/47

Out: 133.925+/-0.000 χ^2/NDF:4984957062.7/54

All: 134.320+/-0.000 χ^2/NDF: 8818950638.0

yield_cav4cQ_rms vs Slug, Sign Corrected



Right In: 0.607+/-0.000 χ^2/NDF: 4856947.9/24

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.573+/-0.000 χ^2/NDF: 5866224.4/29

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

Left: 0.503+/-0.000 χ^2/NDF: 3068206.7/47

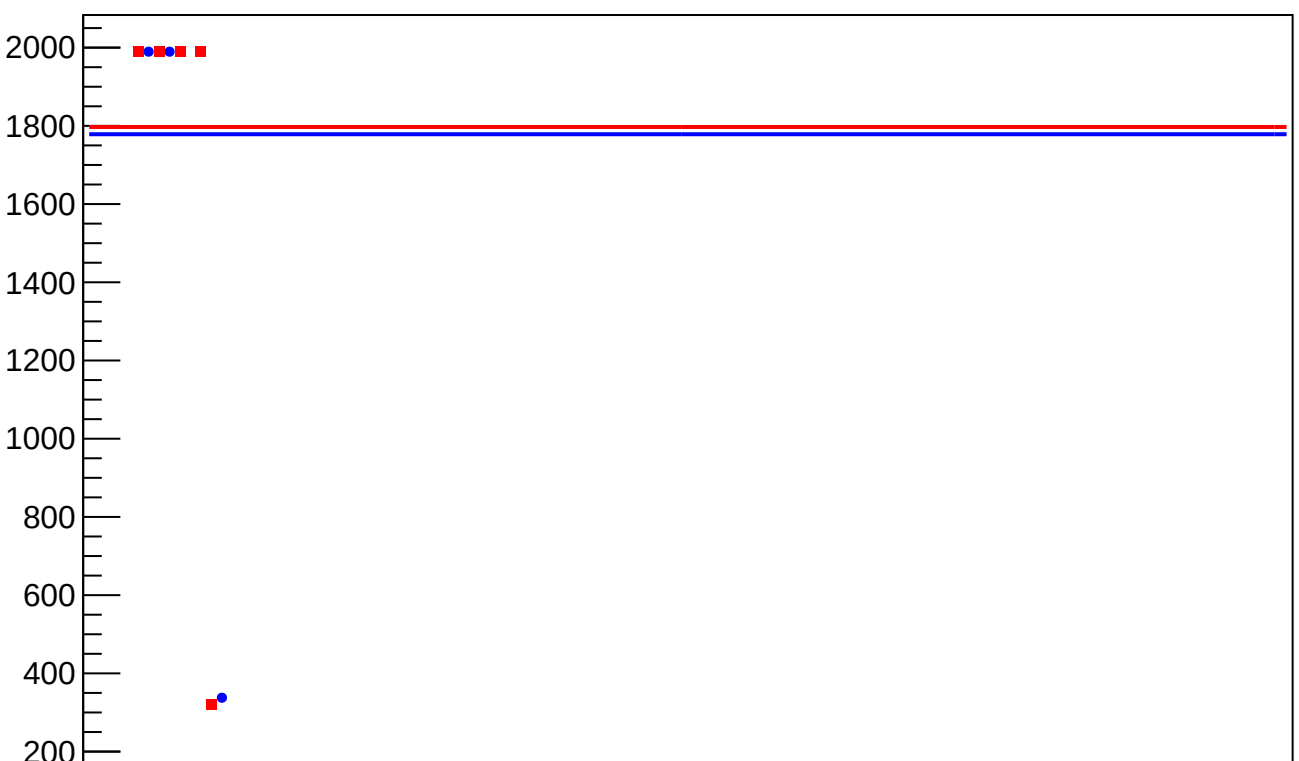
Right: 0.588+/-0.000 χ^2/NDF: 10753340.1/54

In: 0.538+/-0.000 χ^2/NDF:6670764.2/47

Out: 0.520+/-0.000 χ^2/NDF:7677275.1/54

All: 0.528+/-0.000 χ^2/NDF: 14375017.7/102

yield_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1778.576+/-0.000 χ^2/NDF: 205100450576461.8/24

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1797.069+/-0.000 χ^2/NDF: 221990796463824.0/29

Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

Left: 137.469+/-0.000 χ^2/NDF: 315189054.5/47

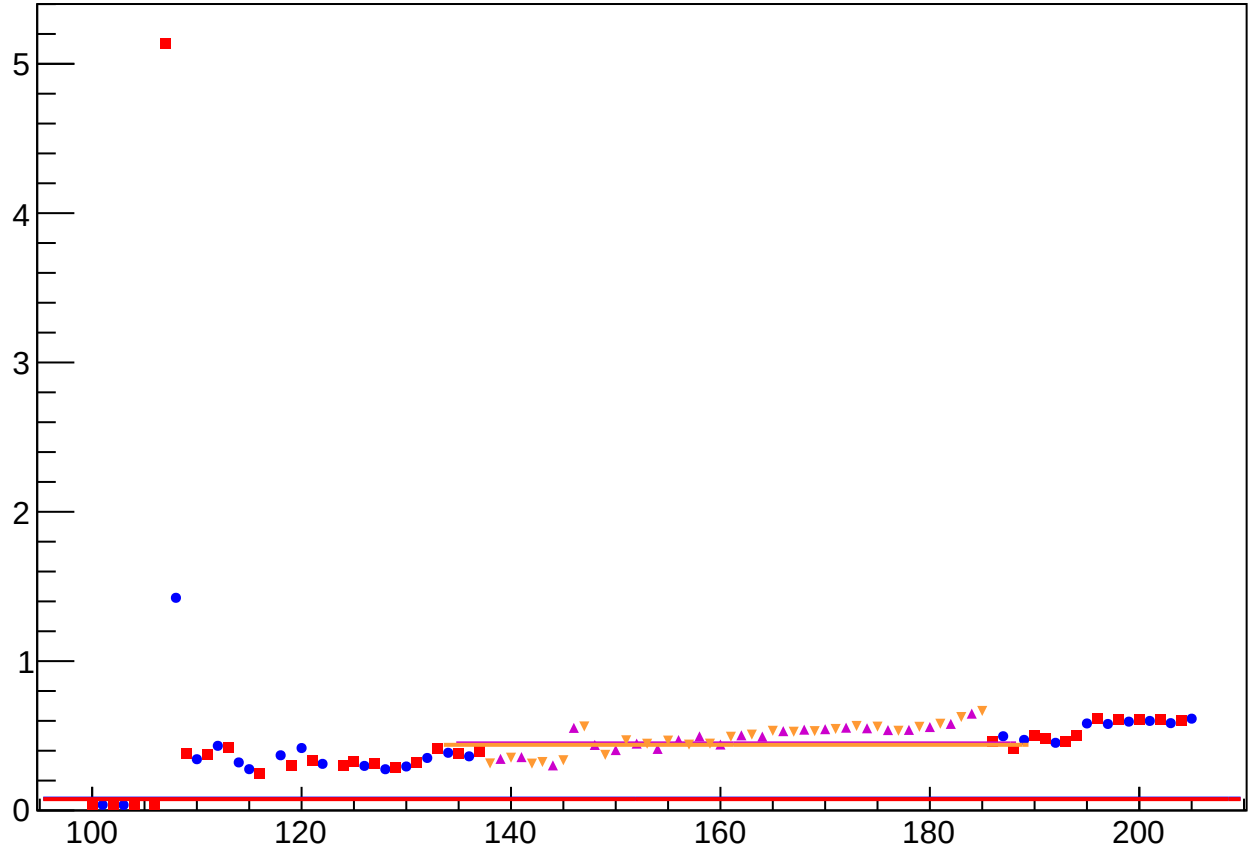
Right: 1788.555+/-0.000 χ^2/NDF: 4272004401439

In: 1572.669+/-0.000 χ^2/NDF:405054749096543.

Out: 1601.155+/-0.000 χ^2/NDF:447493111692751

All: 1587.982+/-0.000 χ^2/NDF: 852842986

yield_cav4dQ_rms vs Slug, Sign Corrected



Right In: 0.079+/-0.000 χ^2/NDF: 18080188.1/24

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.076+/-0.000 χ^2/NDF: 19495127.0/29

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

Left: 0.444+/-0.000 χ^2/NDF: 3114822.4/47

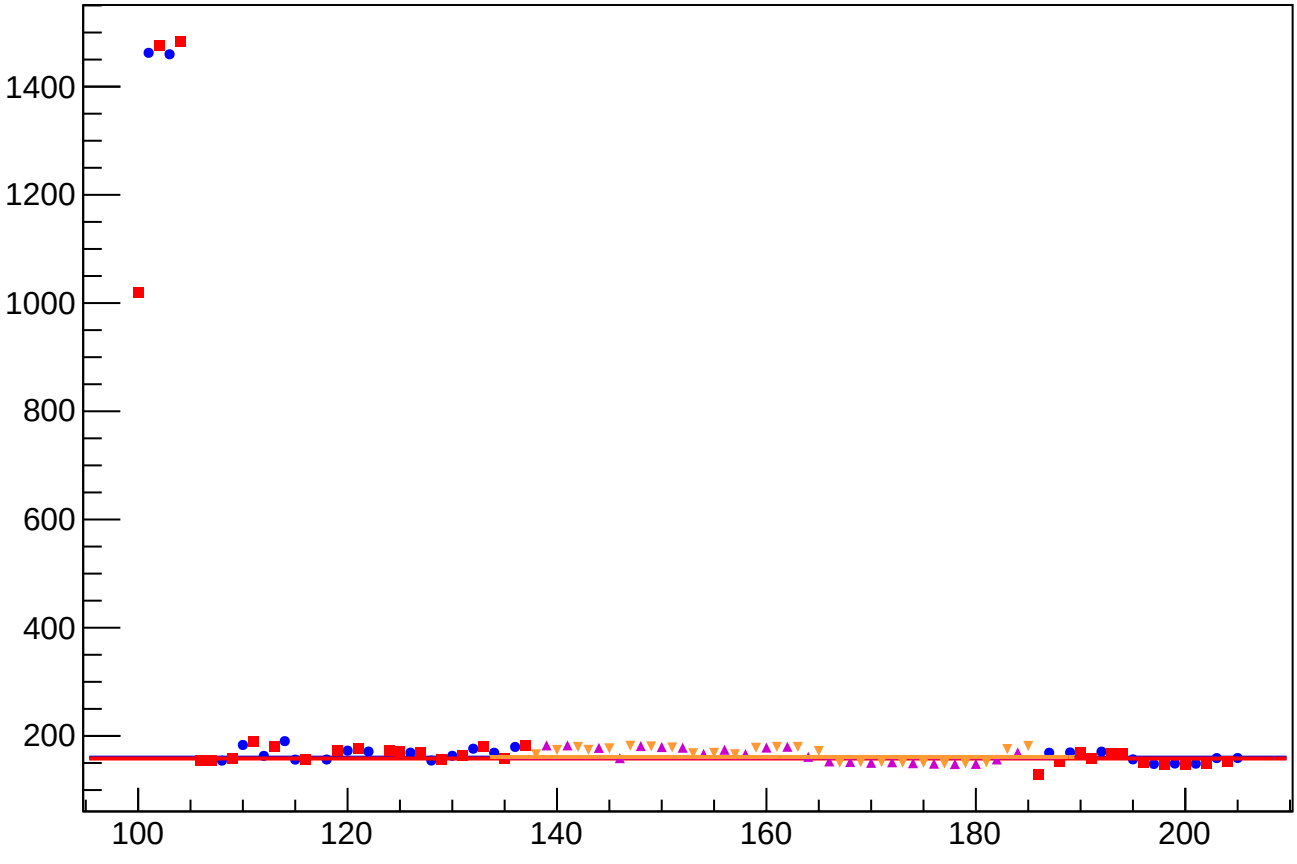
Right: 0.077+/-0.000 χ^2/NDF: 37583335.4/54

In: 0.126+/-0.000 χ^2/NDF:39738955.1/47

Out: 0.119+/-0.000 χ^2/NDF:42932400.8/54

All: 0.122+/-0.000 χ^2/NDF: 82707101.7/102

yield_bcm0l02_mean vs Slug, Sign Corrected



Right In: 159.877+/-0.000 χ^2/NDF: 15735612404.6/24

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.285+/-0.000 χ^2/NDF: 18162557705.1/29

Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

Left: 160.653+/-0.000 χ^2/NDF: 7489655459.9/47

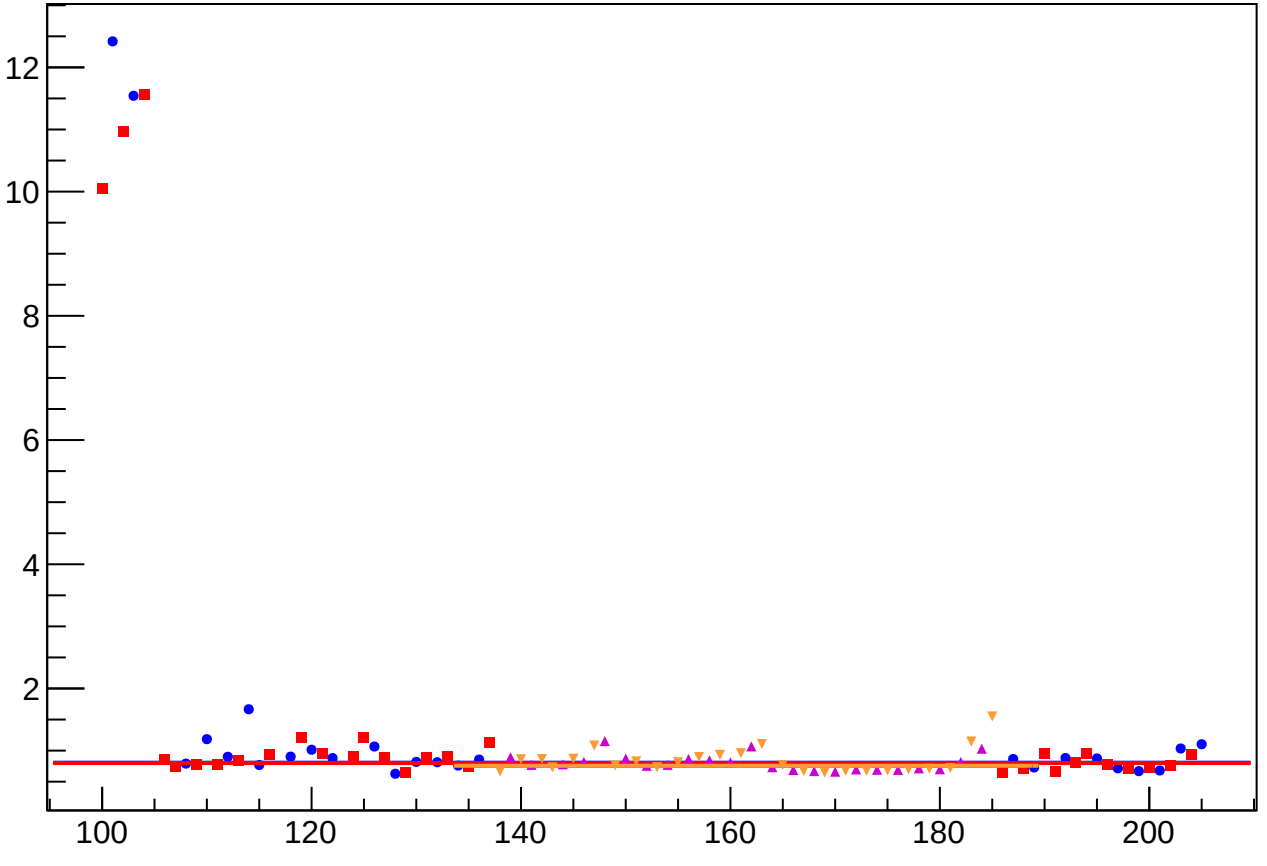
Right: 159.023+/-0.000 χ^2/NDF: 33917485979.8/54

In: 160.041+/-0.000 χ^2/NDF:19474605982.1/47

Out: 159.998+/-0.000 χ^2/NDF:21982238873.5/54

All: 160.019+/-0.000 χ^2/NDF: 41456880567.

yield_bcm0l02_rms vs Slug, Sign Corrected



Right In: 0.805+/-0.000 χ^2/NDF: 2637445.8/24

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

Right Out: 0.800+/-0.000 χ^2/NDF: 2453017.4/29

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

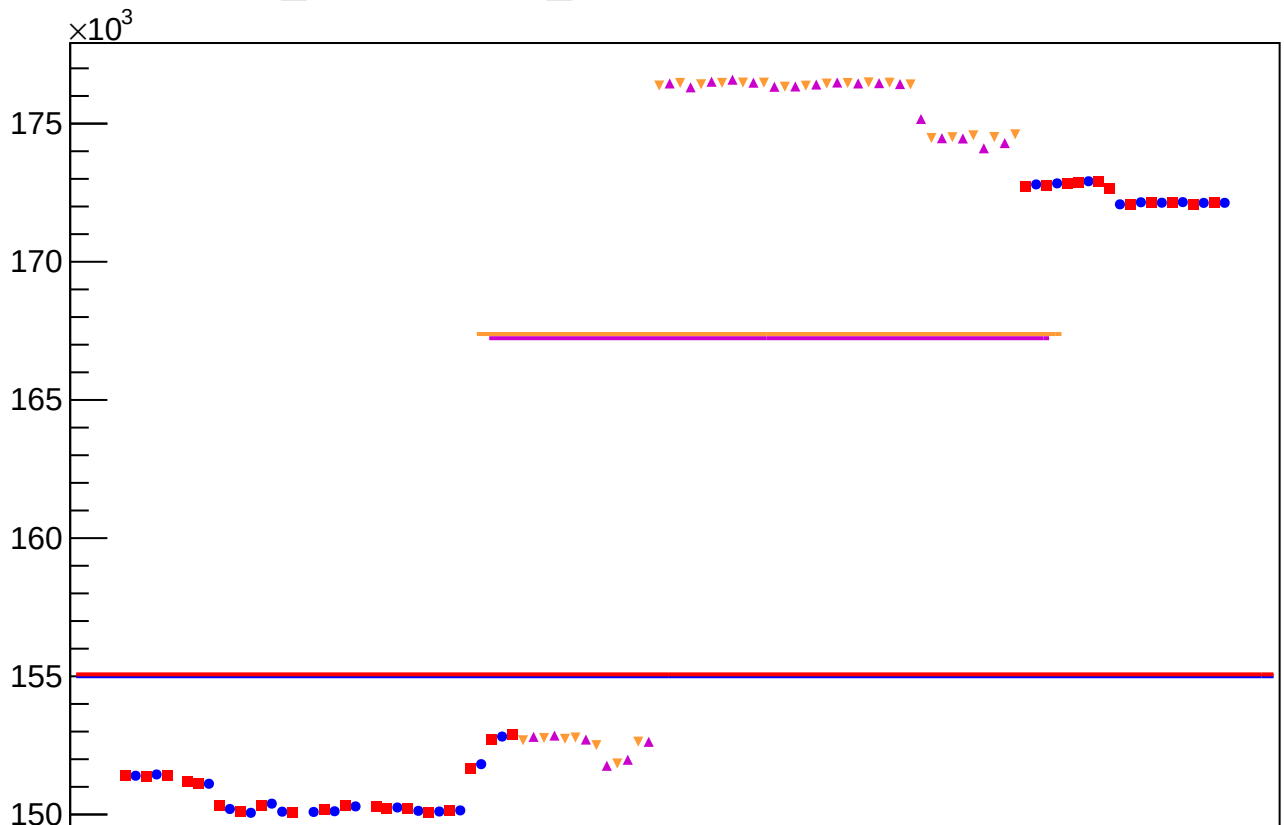
Left: 0.756+/-0.000 χ^2/NDF: 1223069.5/47

Right: 0.802+/-0.000 χ^2/NDF: 5090978.4/54

In: 0.774+/-0.000 χ^2/NDF:3154615.2/47

Out: 0.774+/-0.000 χ^2/NDF:3240257.6/54

All: 0.774+/-0.000 χ^2/NDF: 6394884.0/102



Right In: 155003.250+/-0.049 χ^2/NDF: 32604032517.1/24

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155069.740+/-0.045 χ^2/NDF: 38151226546.1/29

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

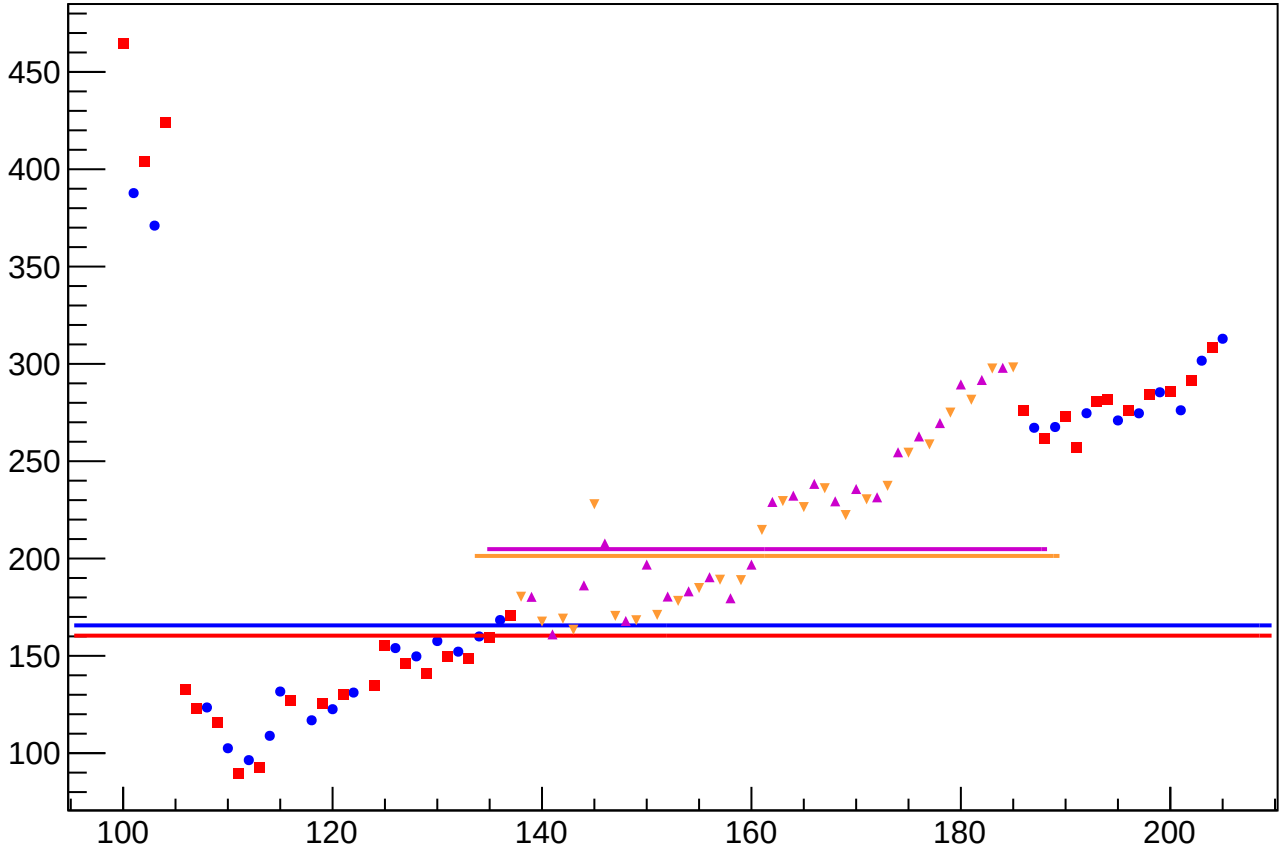
Right: 155038.825+/-0.033 χ^2/NDF: 70756255218.

In: 161101.080+/-0.035 χ^2/NDF:119112262111.7

Out: 161053.055+/-0.033 χ^2/NDF:133464098861.

All: 161075.685+/-0.024 χ^2/NDF: 25257738

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 165.643+/-0.034 χ^2/NDF: 4363449.0/24

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 160.376+/-0.032 χ^2/NDF: 5292504.7/29

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 162.825+/-0.023 χ^2/NDF: 9668455.5/54

In: 185.178+/-0.024 χ^2/NDF:6061264.0/47

Out: 180.272+/-0.023 χ^2/NDF:7312851.6/54

All: 182.584+/-0.017 χ^2/NDF: 13395494.4/10

Right In: -9631.112+/-0.011 χ^2/NDF: 5832626212571.5/24

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -7865.801+/-0.011 χ^2/NDF: 7054488327091.9/29

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

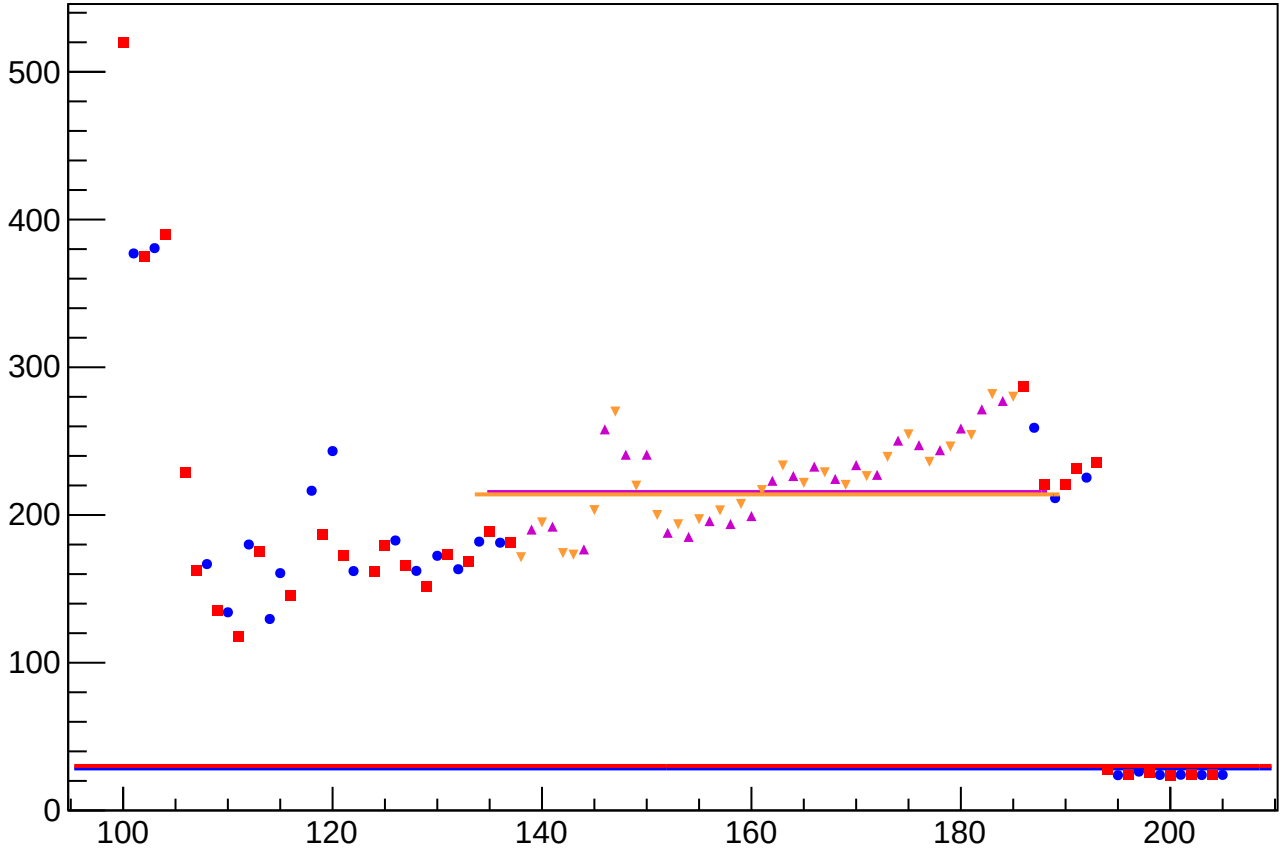
Right: -8797.852+/-0.008 χ^2/NDF: 1290011039737

In: -3233.291+/-0.010 χ^2/NDF:14584299365031.4

Out: -309.309+/-0.011 χ^2/NDF:16208077071577.7

All: -1847.038+/-0.008 χ^2/NDF: 3082973374

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 28.457+/-0.008 χ^2/NDF: 12585534.2/24

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 30.125+/-0.008 χ^2/NDF: 14235932.6/29

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

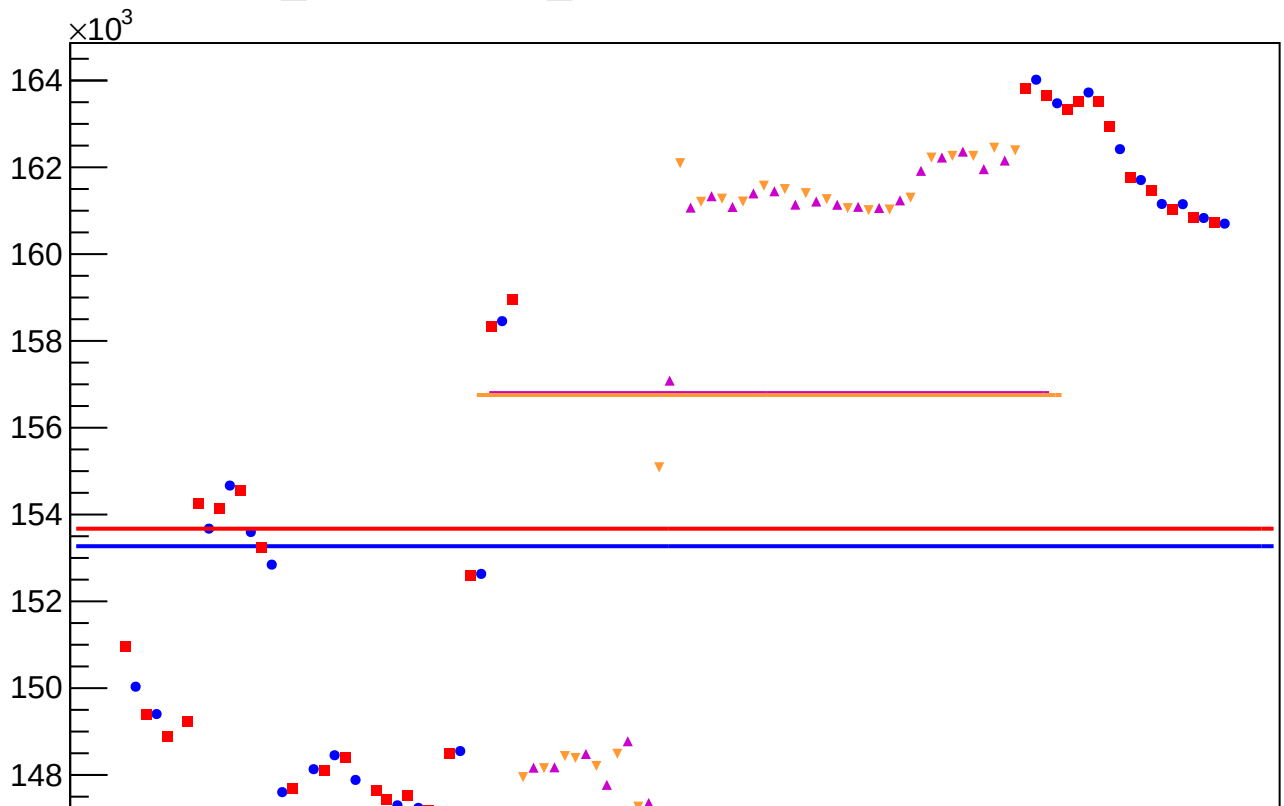
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 29.245+/-0.005 χ^2/NDF: 26844678.1/54

In: 36.199+/-0.007 χ^2/NDF:38779266.8/47

Out: 39.196+/-0.008 χ^2/NDF:41227424.0/54

All: 37.620+/-0.005 χ^2/NDF: 80085183.3/102



Right In: 153270.418+/-0.055 χ^2/NDF: 10583274759.5/24

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153673.961+/-0.052 χ^2/NDF: 11688165115.9/29

Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

Left: 156775.103+/-0.035 χ^2/NDF: 30725292627.5

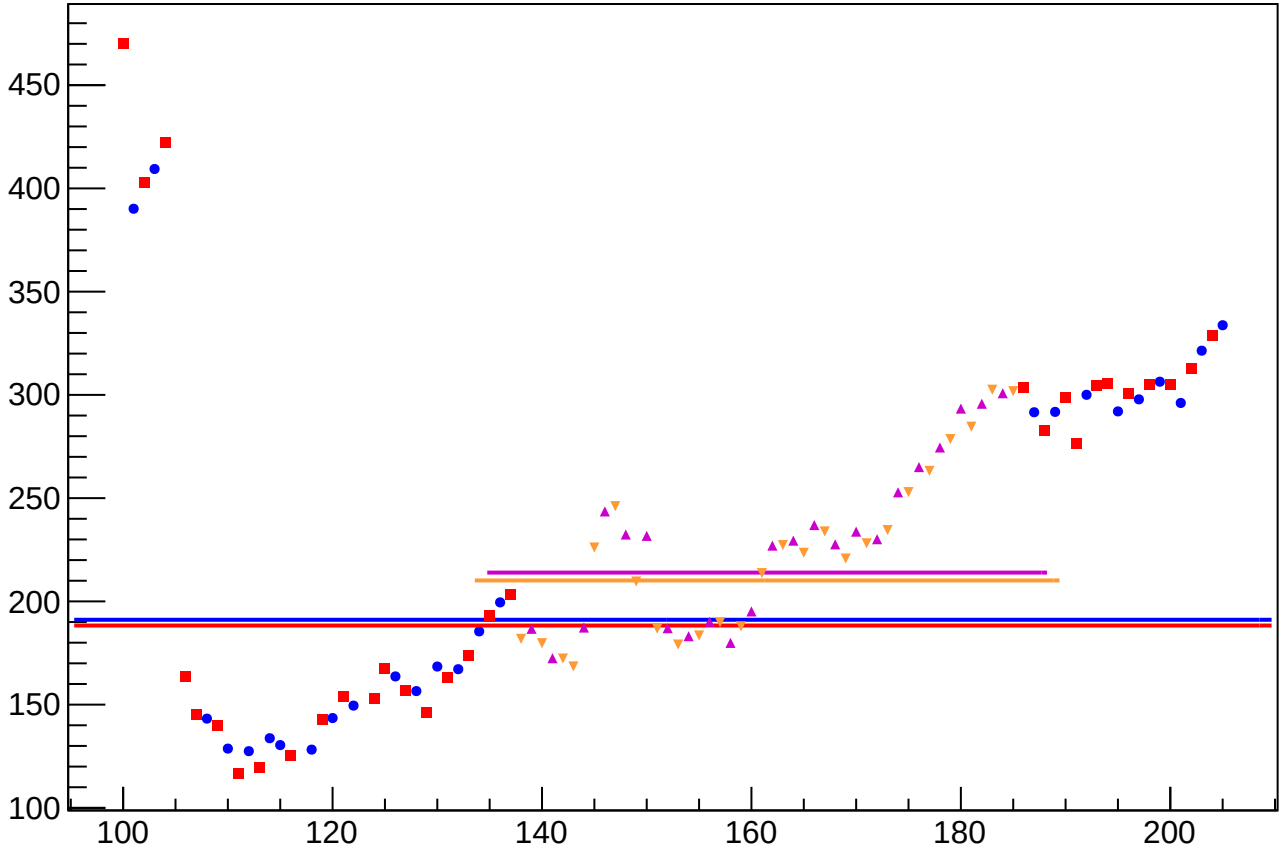
Right: 153482.855+/-0.038 χ^2/NDF: 22299430138.4

In: 155179.687+/-0.037 χ^2/NDF:27126402248.8/4

Out: 155331.222+/-0.036 χ^2/NDF:29921757385.5

All: 155259.196+/-0.026 χ^2/NDF: 57056734

yield_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 191.096+/-0.039 χ^2/NDF: 3653957.9/24

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

Right Out: 188.310+/-0.037 χ^2/NDF: 4246913.1/29

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

Left: 211.955+/-0.025 χ^2/NDF: 1918098.0/47

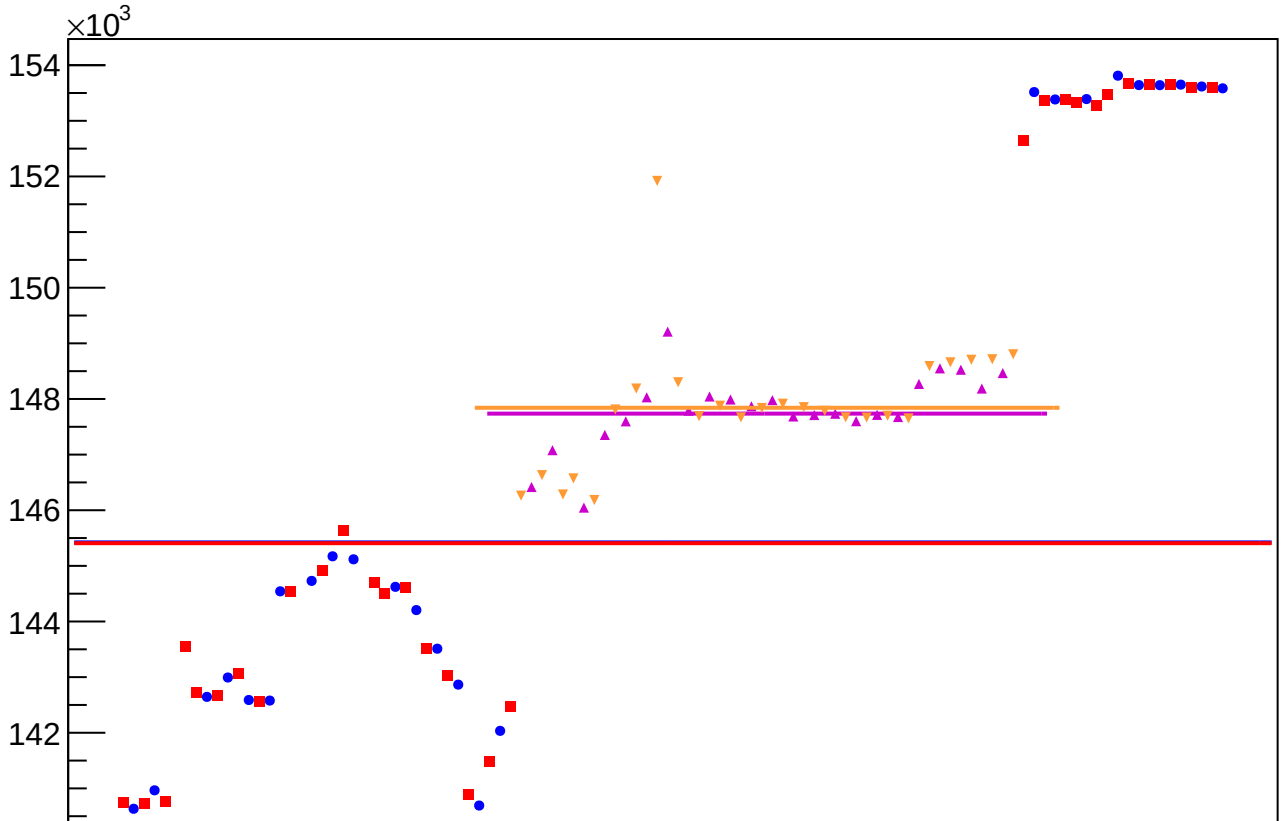
Right: 189.630+/-0.027 χ^2/NDF: 7903538.5/54

In: 203.463+/-0.027 χ^2/NDF:4752944.2/47

Out: 200.056+/-0.025 χ^2/NDF:5430860.1/54

All: 201.676+/-0.018 χ^2/NDF: 10192470.8/10

yield_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 145421.689+/-0.047 χ^2/NDF: 8212675347.0/24

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145407.714+/-0.044 χ^2/NDF: 9364844022.5/29

Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

Left: 147791.782+/-0.033 χ^2/NDF: 942750848.6/47

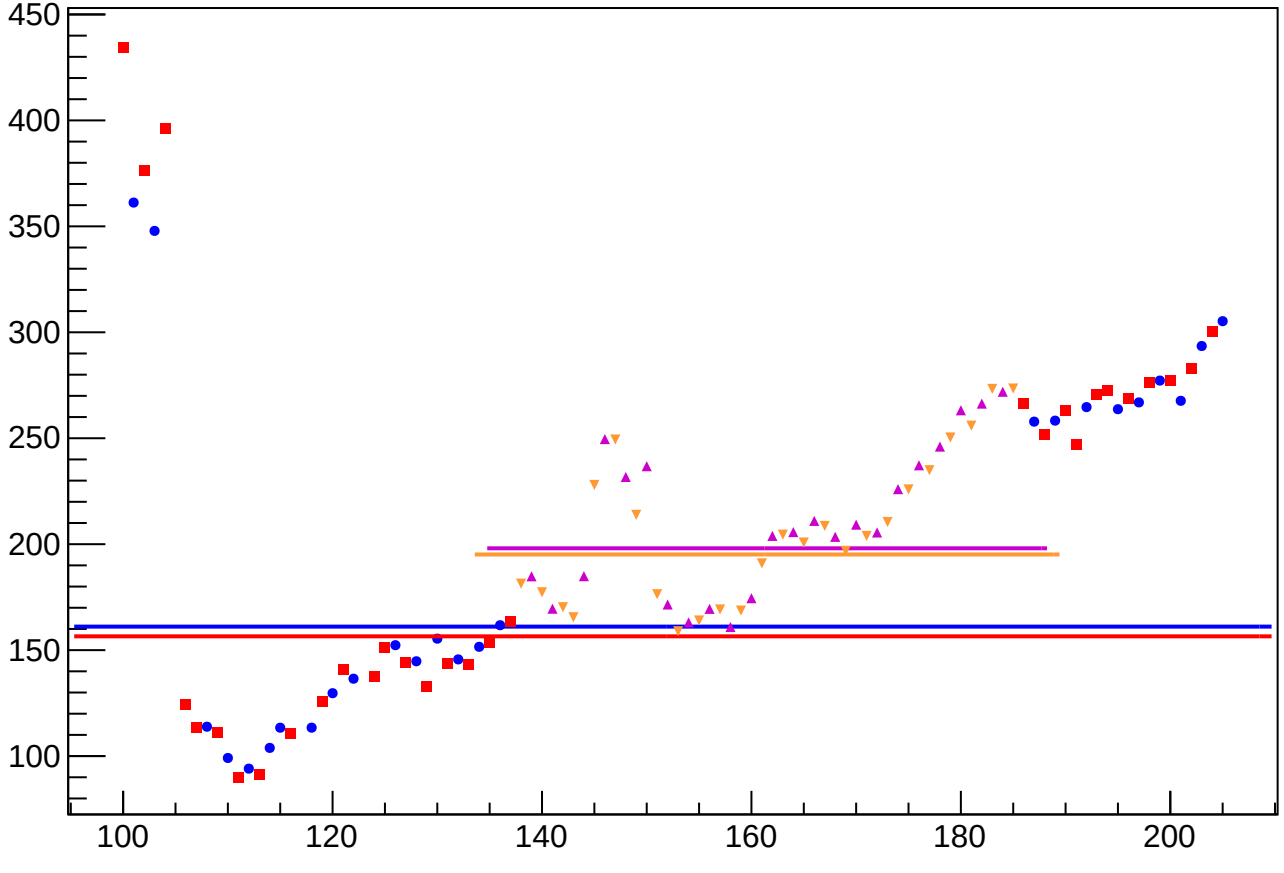
Right: 145414.221+/-0.032 χ^2/NDF: 17577565861.

In: 146583.987+/-0.033 χ^2/NDF:9638450751.1/47

Out: 146600.329+/-0.032 χ^2/NDF:11562196117.0

All: 146592.621+/-0.023 χ^2/NDF: 21200773

yield_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 161.101+/-0.034 χ^2/NDF: 4309996.0/24

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

Right Out: 156.512+/-0.031 χ^2/NDF: 5155502.5/29

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

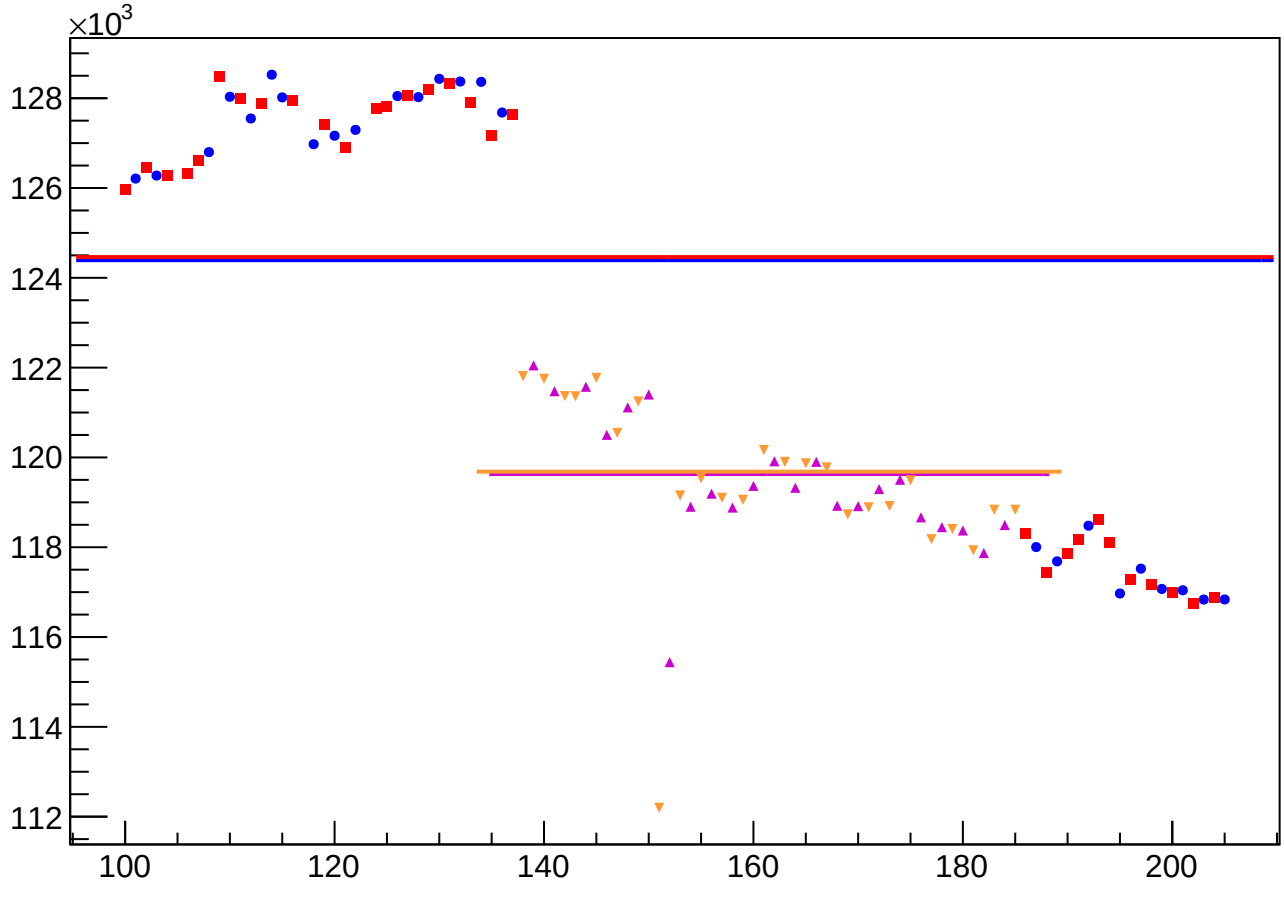
Left: 196.536+/-0.023 χ^2/NDF: 1808329.6/47

Right: 158.649+/-0.023 χ^2/NDF: 9475527.7/54

In: 179.655+/-0.024 χ^2/NDF:5821274.3/47

Out: 175.438+/-0.022 χ^2/NDF:6807124.9/54

All: 177.427+/-0.016 χ^2/NDF: 12645213.7/10



Right In: 124393.190+/-0.048 χ^2/NDF: 10204008589.5/24

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124461.672+/-0.045 χ^2/NDF: 11301195549.6/29

Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

Left: 119656.996+/-0.032 χ^2/NDF: 3303938698.8/4

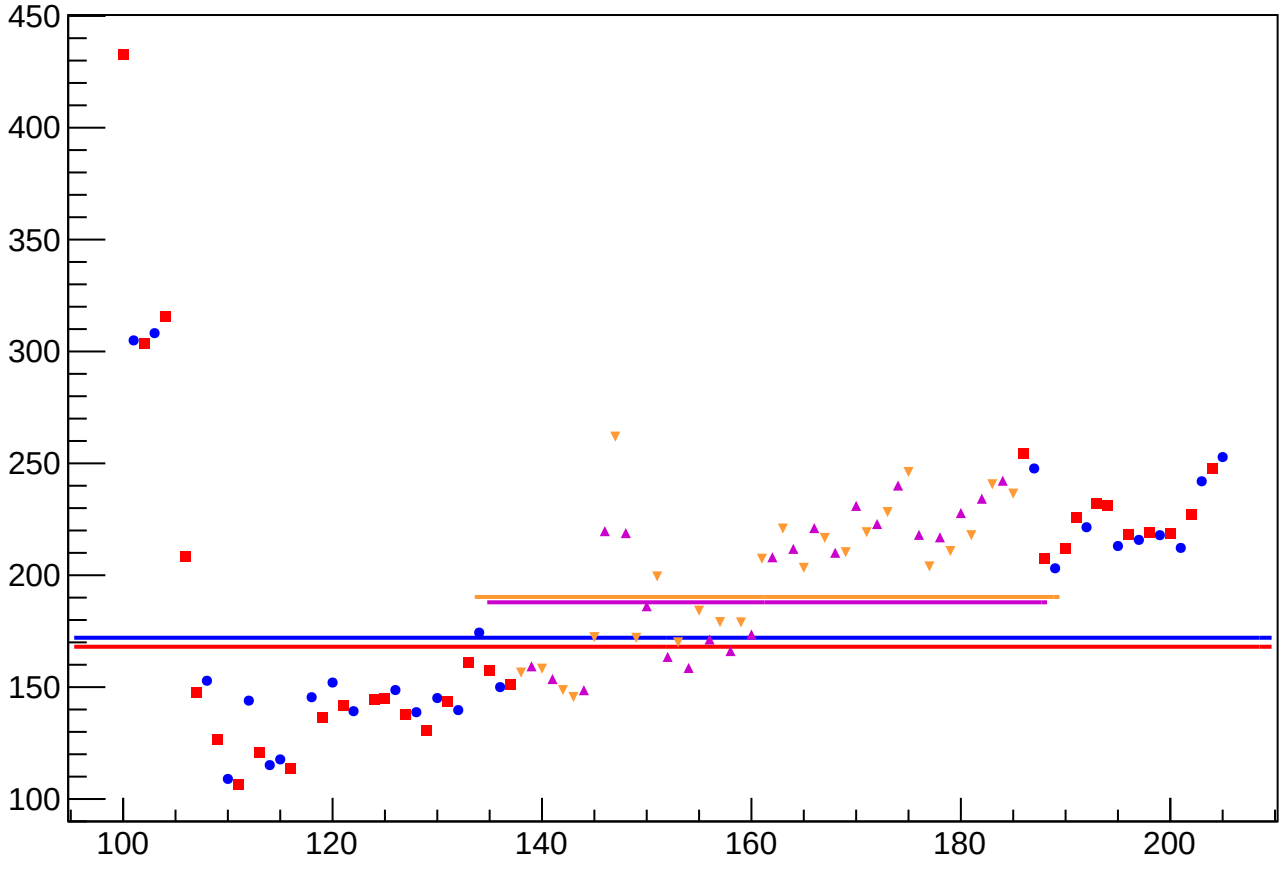
Right: 124429.528+/-0.033 χ^2/NDF: 21506275946.3

In: 121848.047+/-0.033 χ^2/NDF:16743055187.7/4

Out: 122016.365+/-0.032 χ^2/NDF:18976219068.4

All: 121935.378+/-0.023 χ^2/NDF: 35732868

yield_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 172.070+/-0.034 χ^2/NDF: 1897605.1/24

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

Right Out: 168.046+/-0.032 χ^2/NDF: 2507699.4/29

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

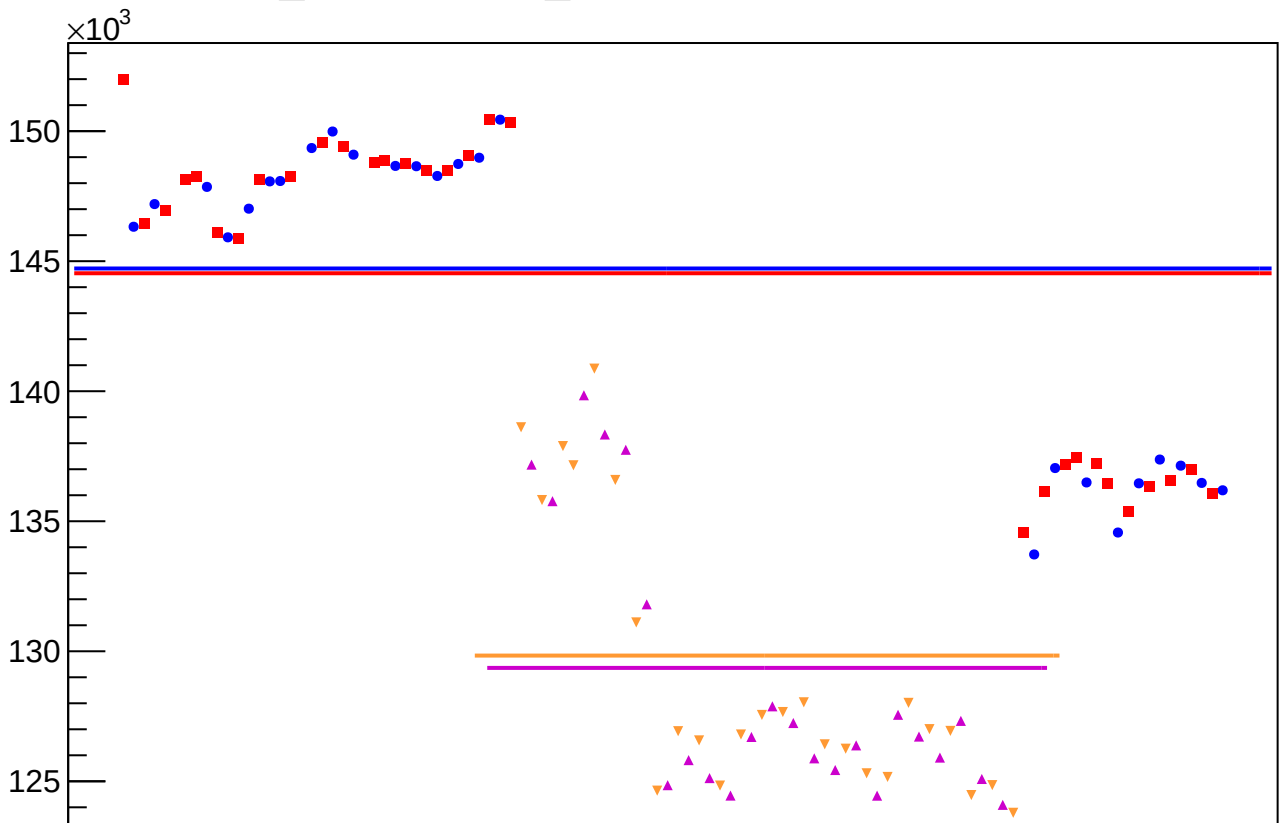
Left: 189.123+/-0.022 χ^2/NDF: 1853444.5/47

Right: 169.935+/-0.023 χ^2/NDF: 4412703.7/54

In: 180.532+/-0.023 χ^2/NDF:2939109.1/47

Out: 179.434+/-0.022 χ^2/NDF:3678996.8/54

All: 179.962+/-0.016 χ^2/NDF: 6619264.2/102



Right In: 144718.955+/-0.068 χ^2/NDF: 7169295064.7/24

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144536.015+/-0.063 χ^2/NDF: 7949225474.7/29

Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

Left: 129601.685+/-0.046 χ^2/NDF: 13446375271.9

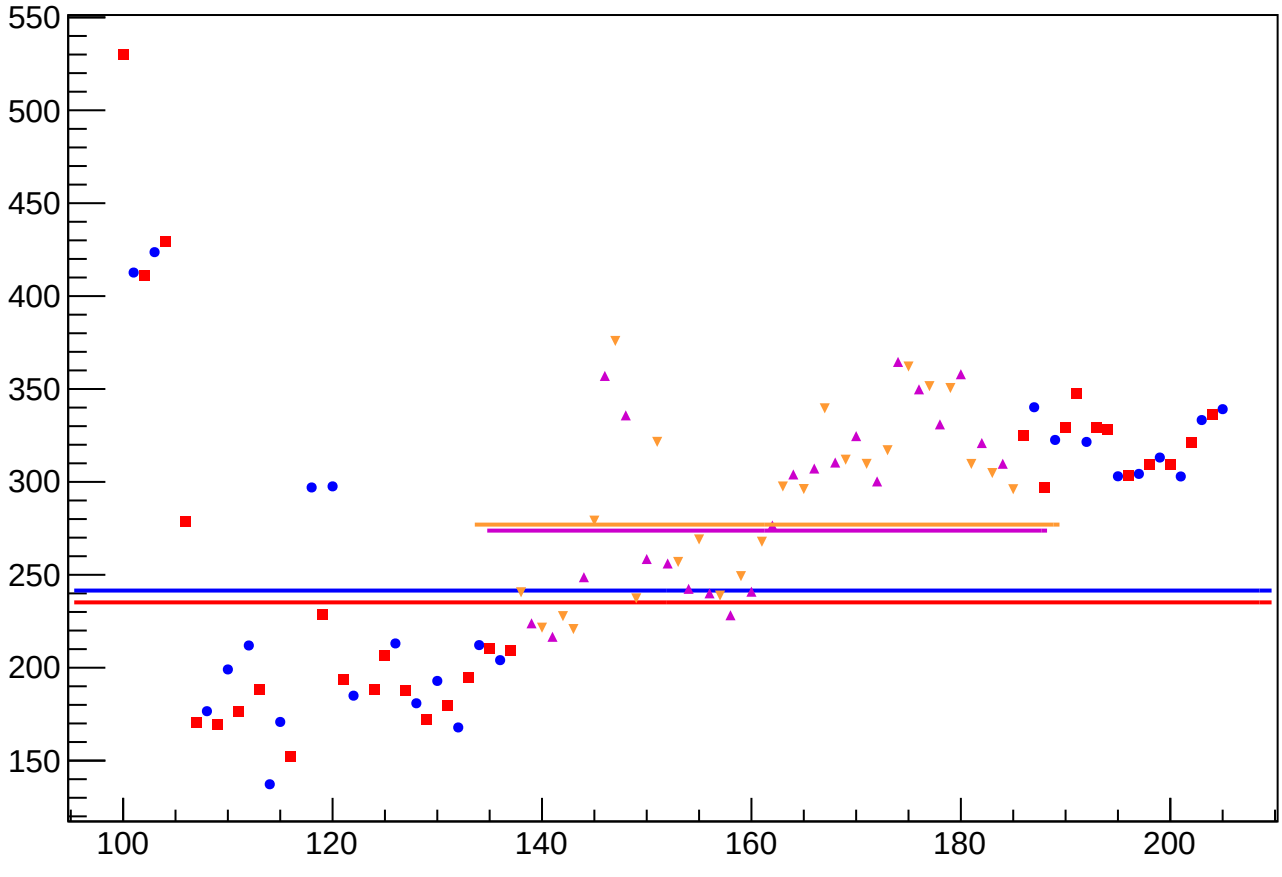
Right: 144621.286+/-0.046 χ^2/NDF: 15122394555.

In: 136744.842+/-0.047 χ^2/NDF:40349257082.2/4

Out: 137270.732+/-0.045 χ^2/NDF:41268539133.0

All: 137018.959+/-0.033 χ^2/NDF: 81682837

yield_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 241.522+/-0.048 χ^2/NDF: 2121714.2/24

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

Right Out: 235.160+/-0.045 χ^2/NDF: 2467627.4/29

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

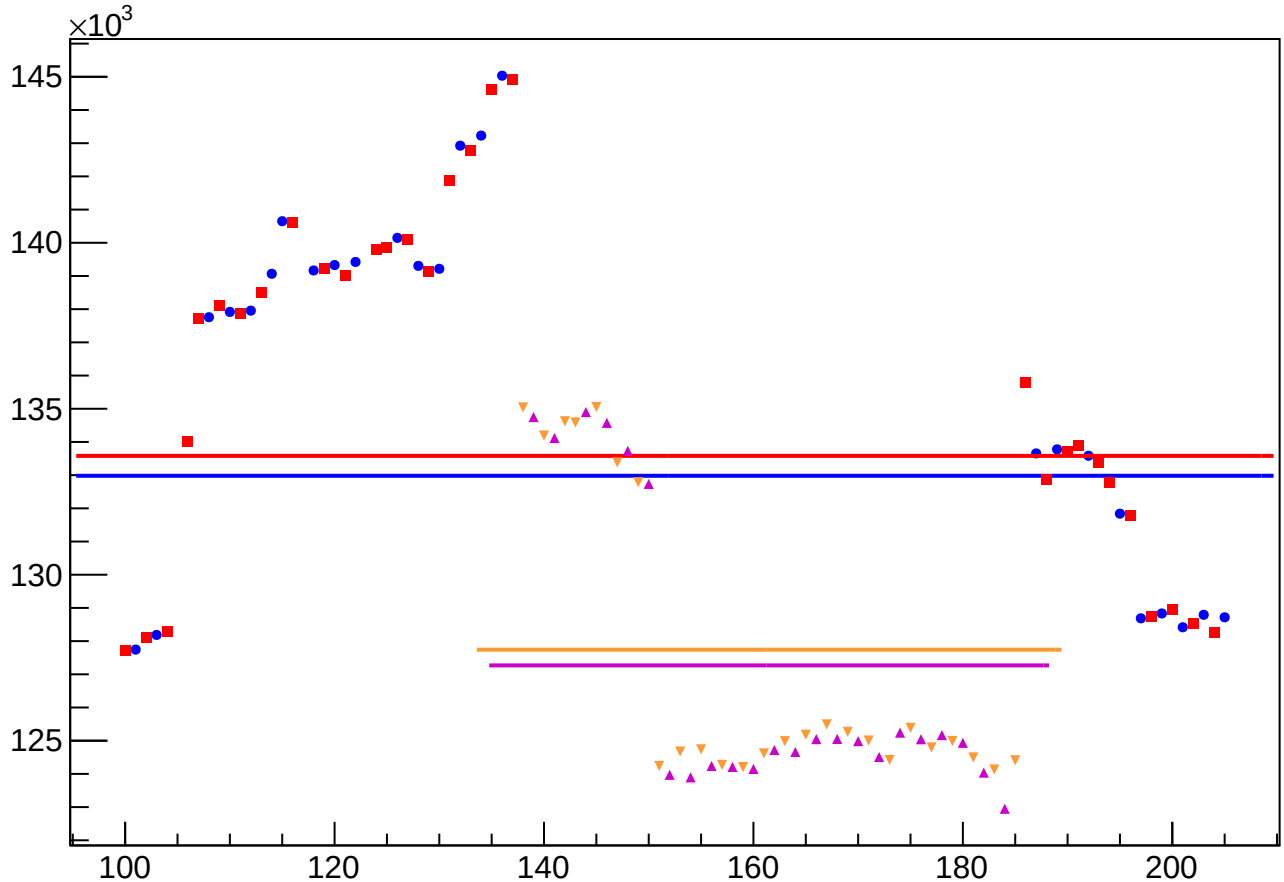
Left: 275.432+/-0.032 χ^2/NDF: 1953009.0/47

Right: 238.126+/-0.033 χ^2/NDF: 4598713.4/54

In: 258.273+/-0.033 χ^2/NDF:3359965.7/47

Out: 255.847+/-0.032 χ^2/NDF:3844349.0/54

All: 257.008+/-0.023 χ^2/NDF: 7207081.3/102



Right In: 132981.052+/-0.111 χ^2/NDF: 2519151182.0/24

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133580.428+/-0.115 χ^2/NDF: 1633300386.7/29

Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

Left: 127510.062+/-0.097 χ^2/NDF: 2069876354.9/4

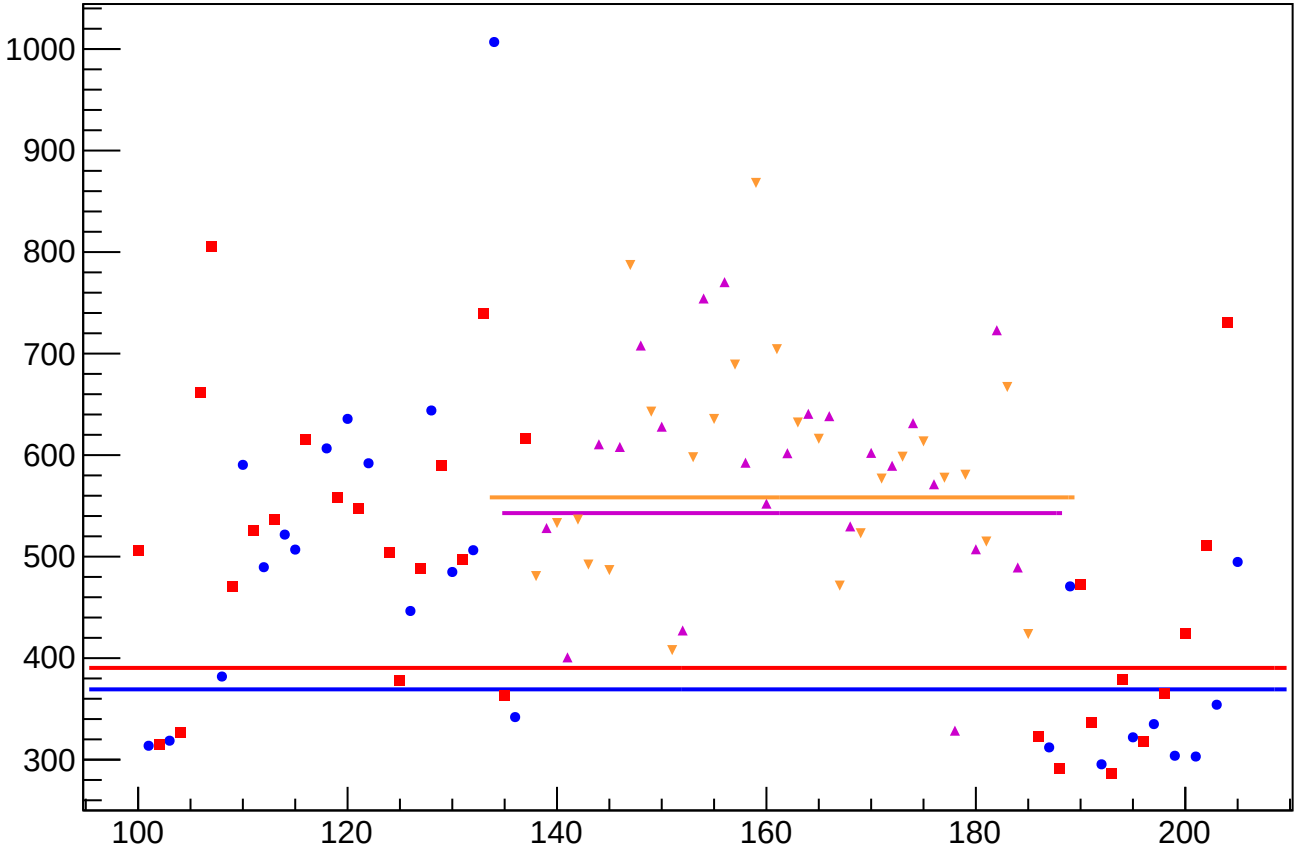
Right: 133271.273+/-0.080 χ^2/NDF: 4166493814.1/

In: 130741.492+/-0.087 χ^2/NDF:4523315084.1/47

Out: 131140.188+/-0.088 χ^2/NDF:3805651847.7/5

All: 130938.873+/-0.062 χ^2/NDF: 83394161

yield_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 369.256+/-0.079 χ^2/NDF: 1573550.1/24

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

Right Out: 390.381+/-0.081 χ^2/NDF: 1878741.8/29

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

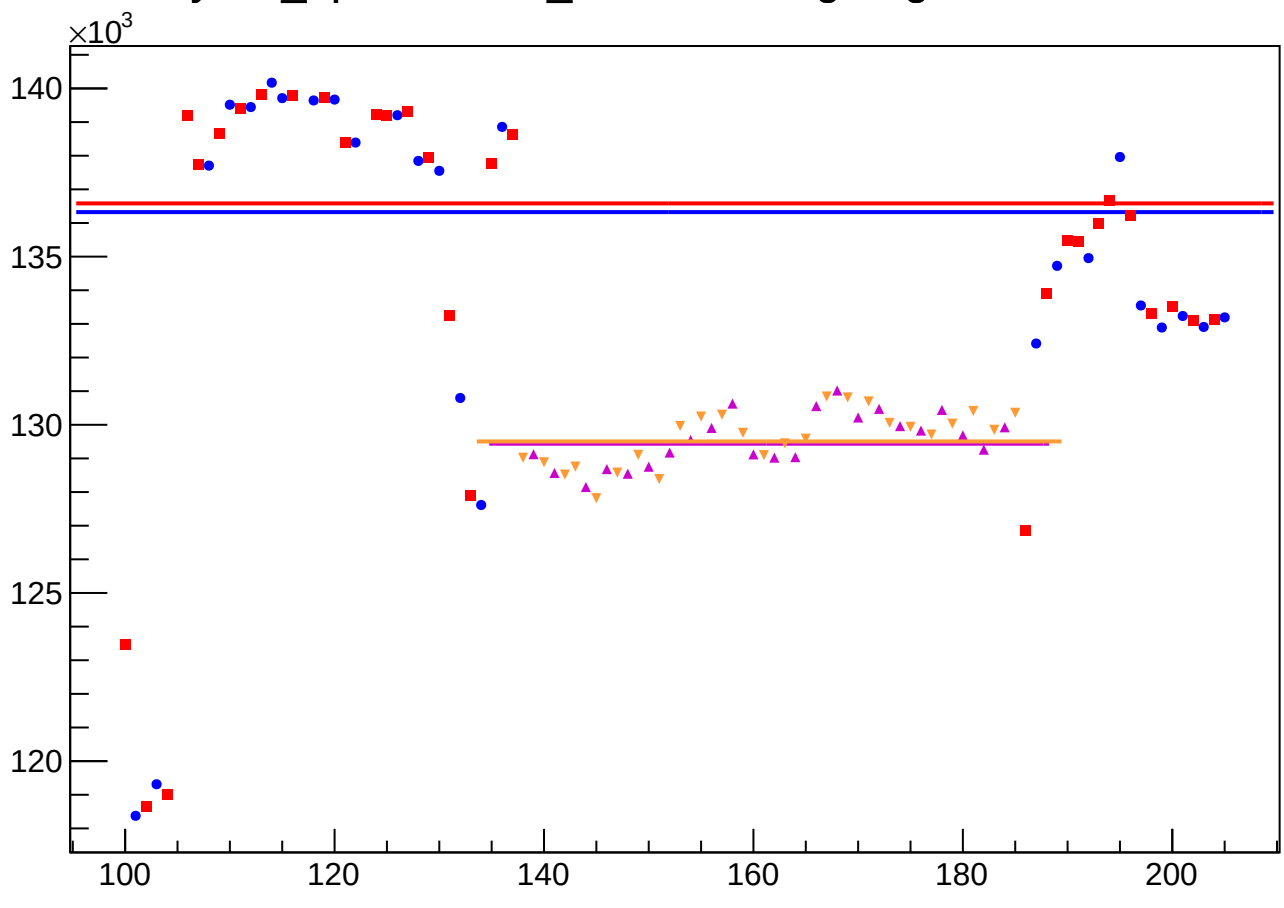
Left: 550.793+/-0.069 χ^2/NDF: 2397764.2/47

Right: 379.485+/-0.057 χ^2/NDF: 3487179.8/54

In: 437.321+/-0.061 χ^2/NDF:4898141.6/47

Out: 460.585+/-0.062 χ^2/NDF:4634509.9/54

All: 448.838+/-0.044 χ^2/NDF: 9603805.2/102



Right In: 136323.425+/-0.061 χ^2/NDF: 6331948969.1/24

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136582.282+/-0.057 χ^2/NDF: 6631863319.9/29

Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

Left: 129472.248+/-0.034 χ^2/NDF: 569486507.5/47

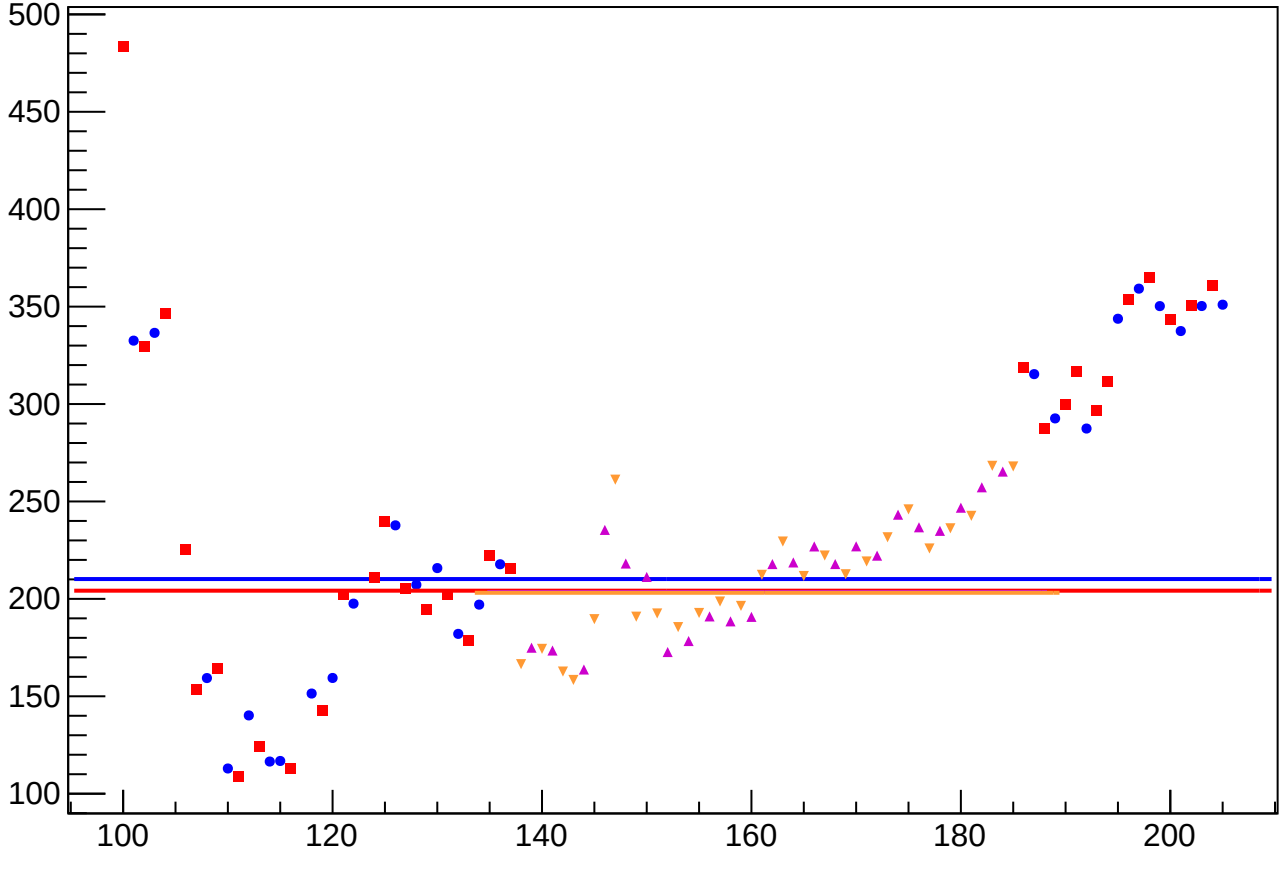
Right: 136461.429+/-0.042 χ^2/NDF: 12973369997.3

In: 132092.606+/-0.038 χ^2/NDF:14395447760.1/4

Out: 132356.544+/-0.036 χ^2/NDF:16068533527.7

All: 132230.426+/-0.026 χ^2/NDF: 30489221

yield_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 210.173+/-0.043 χ^2/NDF: 3611463.1/24

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

Right Out: 204.201+/-0.040 χ^2/NDF: 4405670.4/29

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

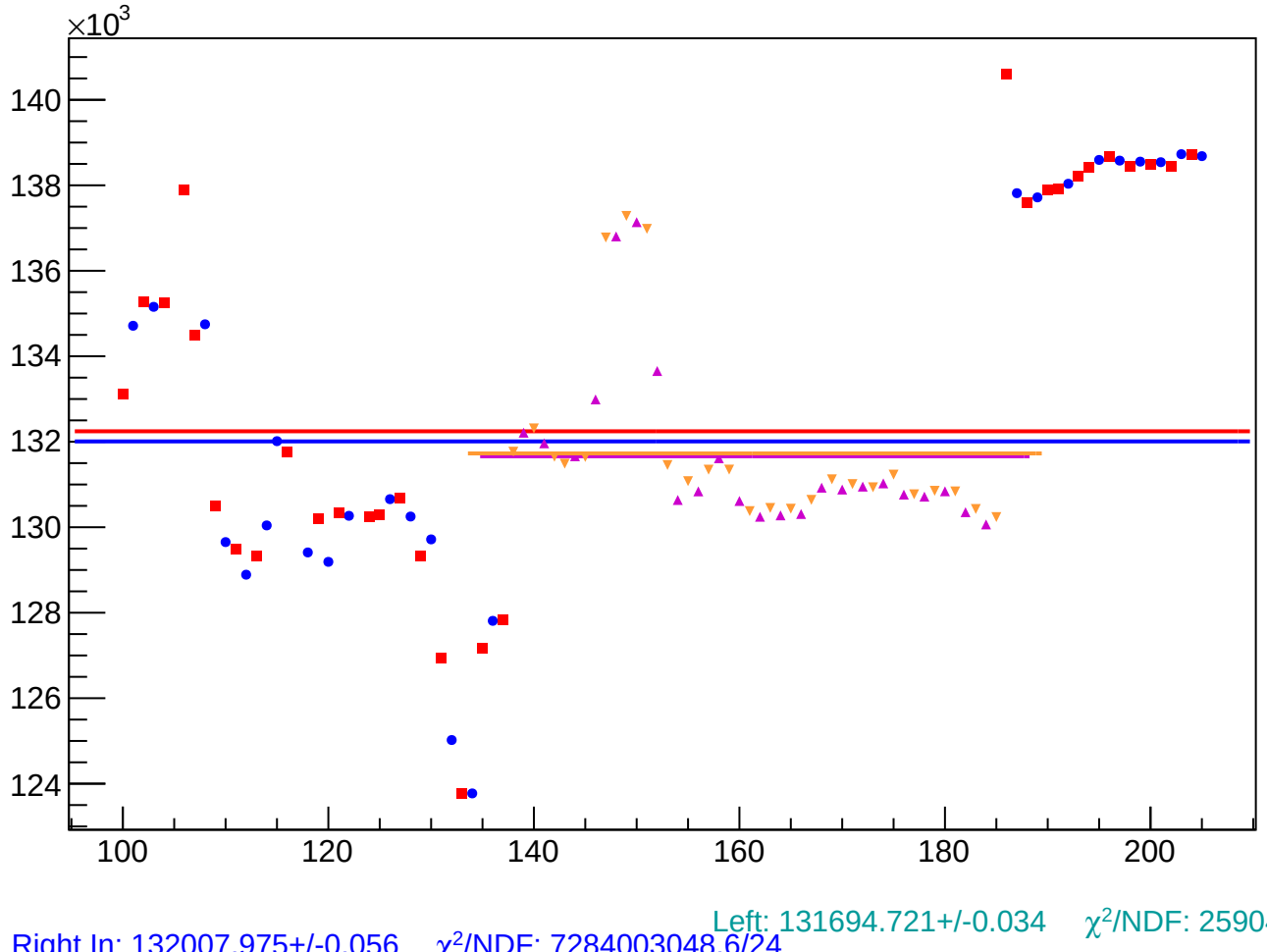
Left: 203.331+/-0.024 χ^2/NDF: 1424568.7/47

Right: 206.989+/-0.030 χ^2/NDF: 8027307.9/54

In: 206.102+/-0.027 χ^2/NDF:4291944.7/47

Out: 203.561+/-0.026 χ^2/NDF:5164538.4/54

All: 204.775+/-0.019 χ^2/NDF: 9461160.4/102



Right In: 132007.975+/-0.056 χ^2/NDF: 7284003048.6/24

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132244.774+/-0.052 χ^2/NDF: 7644197055.0/29

Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

Left: 131694.721+/-0.034 χ^2/NDF: 2590408205.6/4

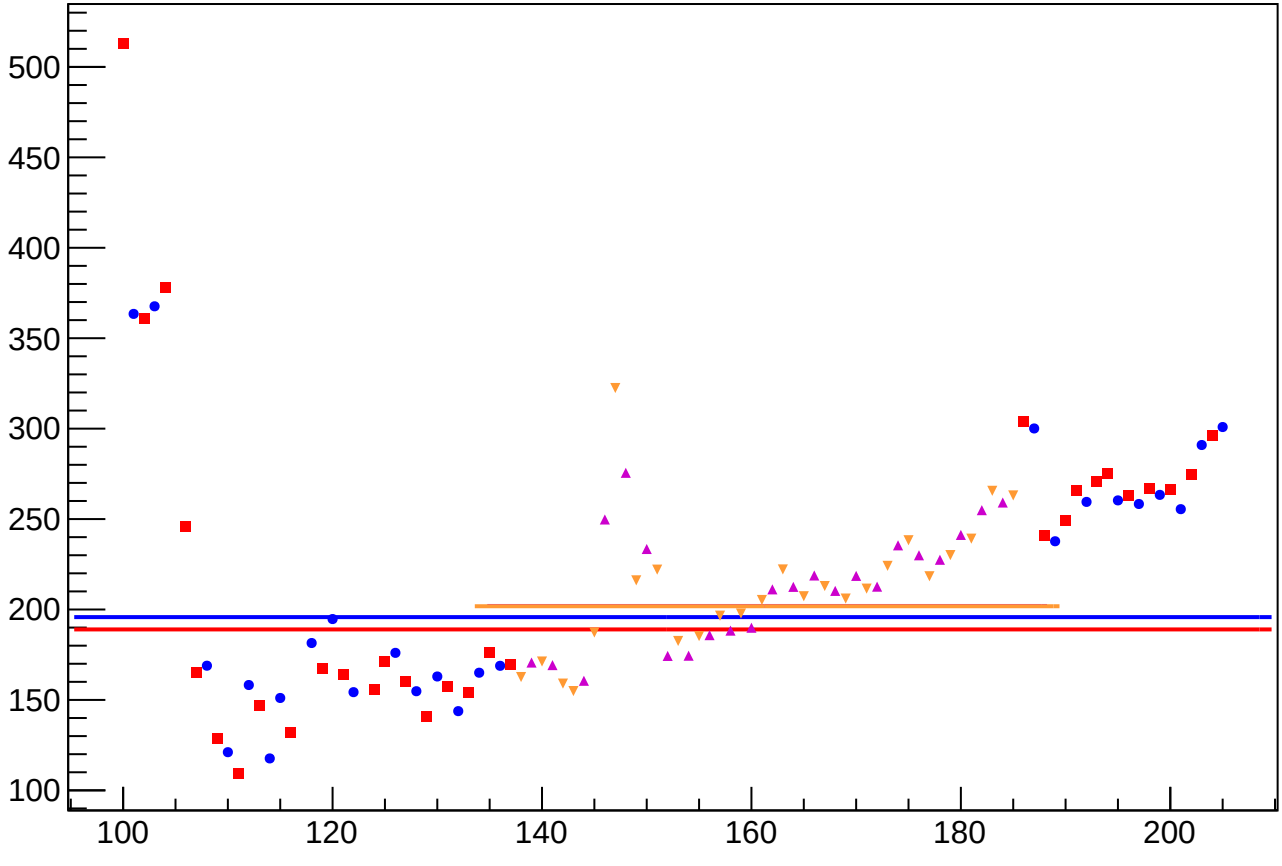
Right: 132134.664+/-0.038 χ^2/NDF: 14937932992.9

In: 131809.751+/-0.036 χ^2/NDF:8470730107.2/47

Out: 131960.198+/-0.035 χ^2/NDF:9124234789.9/5

All: 131888.473+/-0.025 χ^2/NDF: 17603910

yield_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 195.793+/-0.039 χ^2/NDF: 2337993.7/24

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 188.982+/-0.037 χ^2/NDF: 3154276.1/29

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

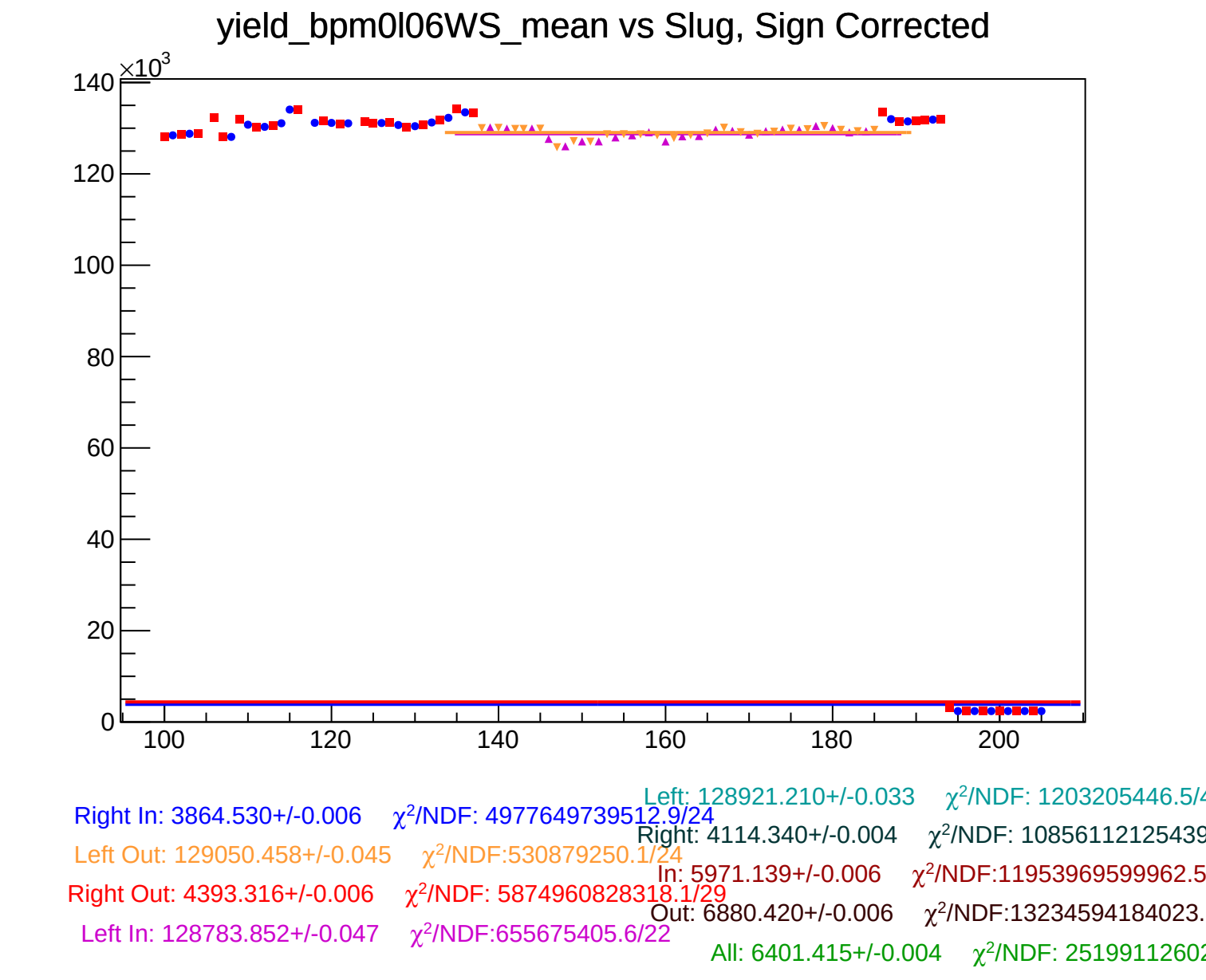
Left: 201.870+/-0.024 χ^2/NDF: 1708062.2/47

Right: 192.149+/-0.027 χ^2/NDF: 5508372.5/54

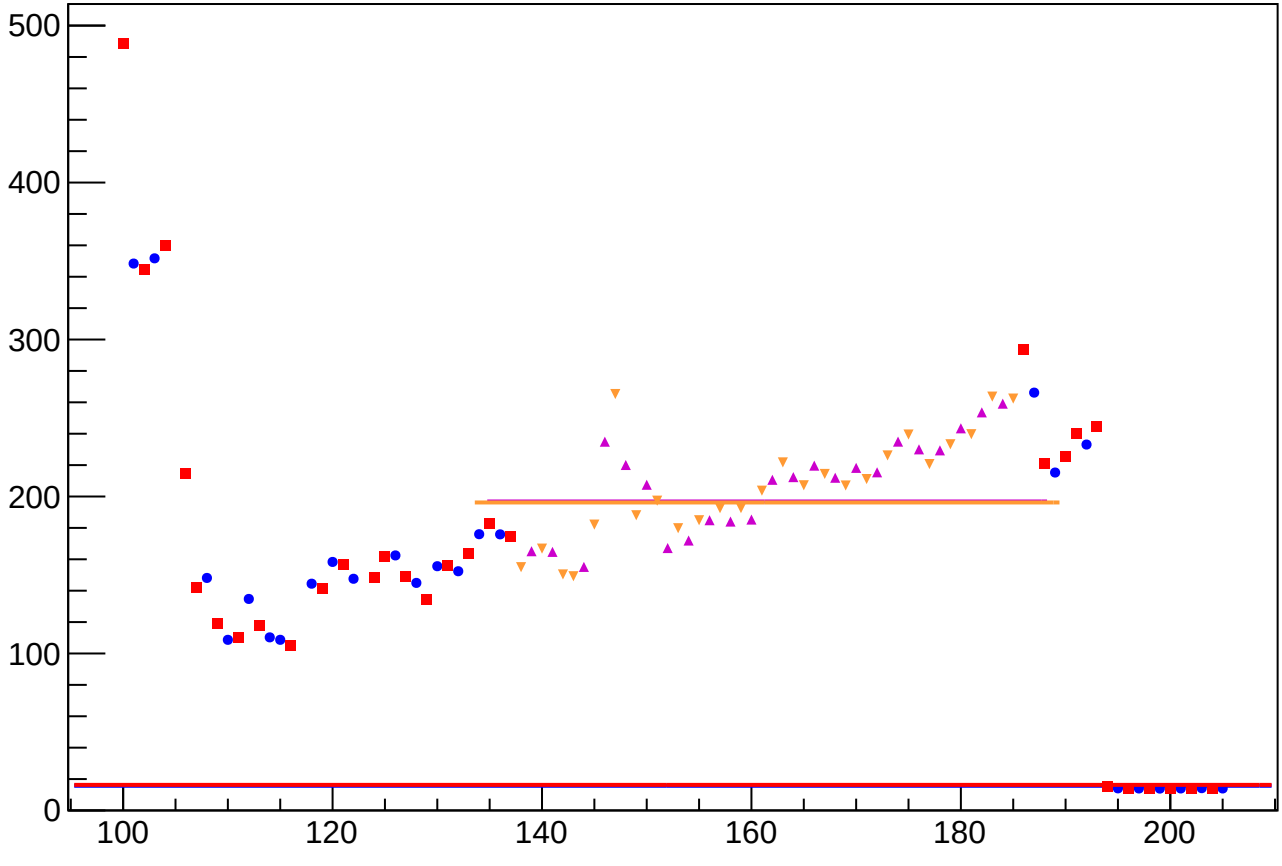
In: 199.303+/-0.026 χ^2/NDF:3154712.7/47

Out: 196.027+/-0.025 χ^2/NDF:4127033.7/54

All: 197.589+/-0.018 χ^2/NDF: 7290231.2/102


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: 3864.530+/-0.006 χ²/NDF: 4977649739512.9/24
Left Out: 129050.458+/-0.045 χ²/NDF:530879250.1/24
Right Out: 4393.316+/-0.006 χ²/NDF: 5874960828318.1/29
Left In: 128783.852+/-0.047 χ²/NDF:655675405.6/22
Left: 128921.210+/-0.033 χ²/NDF: 1203205446.5/4
Right: 4114.340+/-0.004 χ²/NDF: 10856112125439
In: 5971.139+/-0.006 χ²/NDF:11953969599962.5
Out: 6880.420+/-0.006 χ²/NDF:13234594184023.
All: 6401.415+/-0.004 χ²/NDF: 2519911260

yield_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 15.726+/-0.004 χ^2/NDF: 14385850.5/24

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

Right Out: 16.294+/-0.005 χ^2/NDF: 16439939.2/29

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

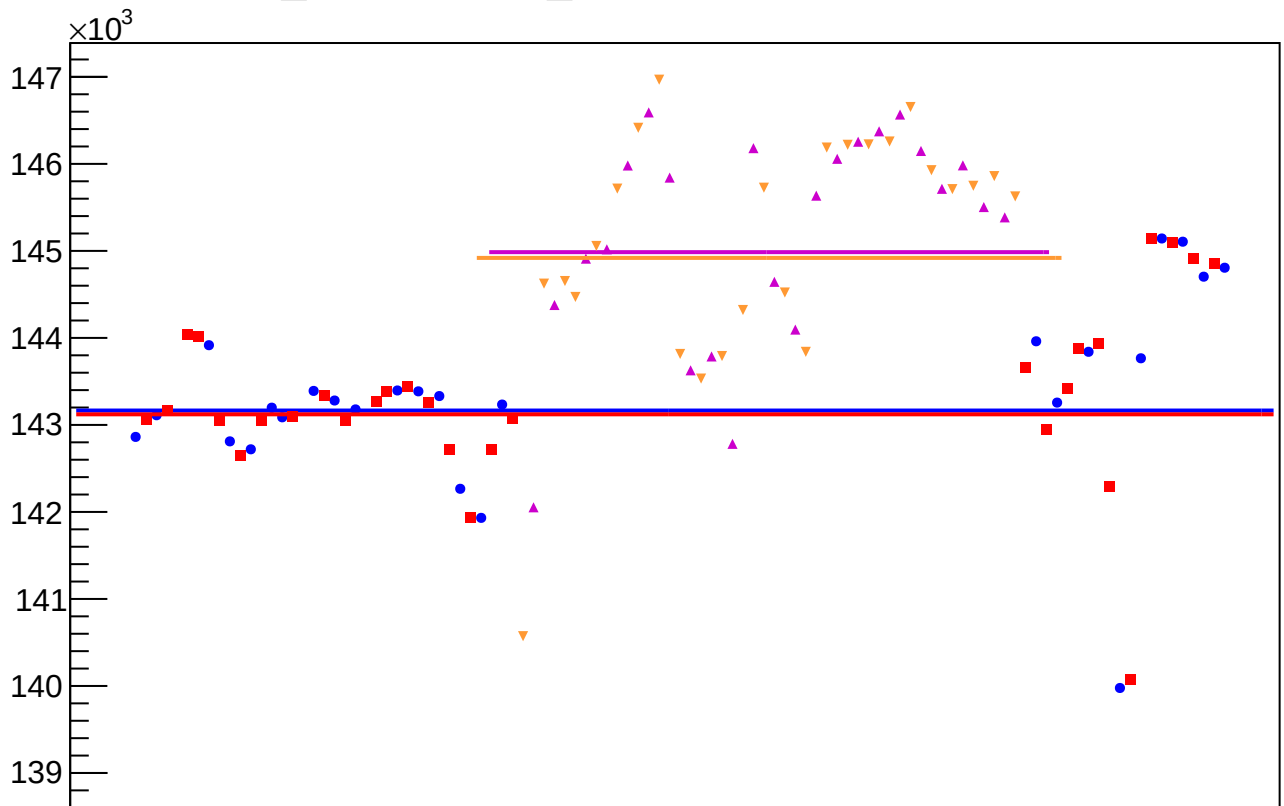
Left: 196.512+/-0.023 χ^2/NDF: 1696068.8/47

Right: 15.994+/-0.003 χ^2/NDF: 30833868.8/54

In: 18.780+/-0.004 χ^2/NDF:44485507.1/47

Out: 19.883+/-0.005 χ^2/NDF:48019623.5/54

All: 19.302+/-0.003 χ^2/NDF: 92536184.2/102



Right In: 143165.440+/-0.059 χ^2/NDF: 213272015.4/24

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143121.737+/-0.054 χ^2/NDF: 208568191.9/29

Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

Left: 144951.693+/-0.037 χ^2/NDF: 1455041879.5/4

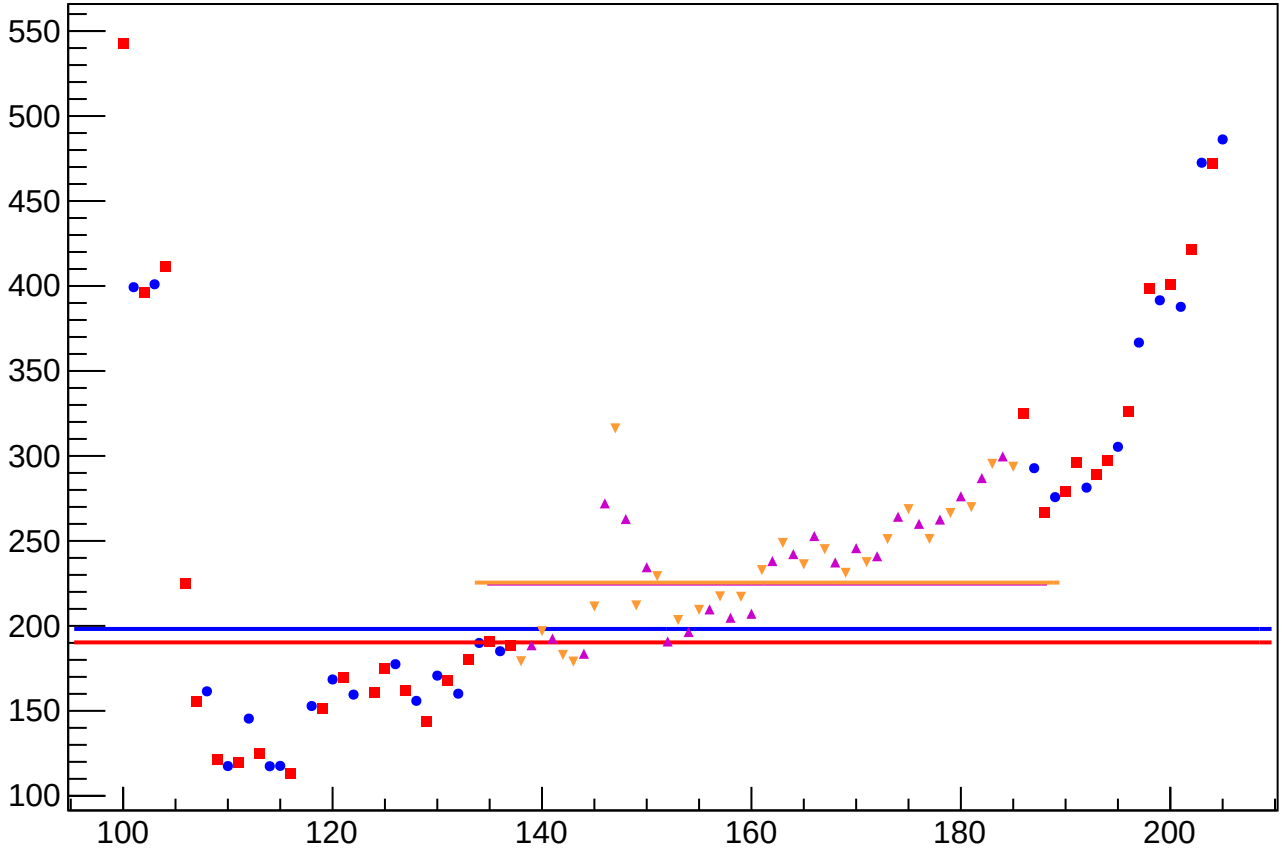
Right: 143141.833+/-0.040 χ^2/NDF: 422140911.2/5

In: 144156.495+/-0.040 χ^2/NDF:1357816544.6/47

Out: 144051.253+/-0.038 χ^2/NDF:1616198820.8/5

All: 144101.179+/-0.027 χ^2/NDF: 29777404

yield_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 198.197+/-0.041 χ^2/NDF: 4535042.7/24

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 190.278+/-0.038 χ^2/NDF: 5259899.0/29

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

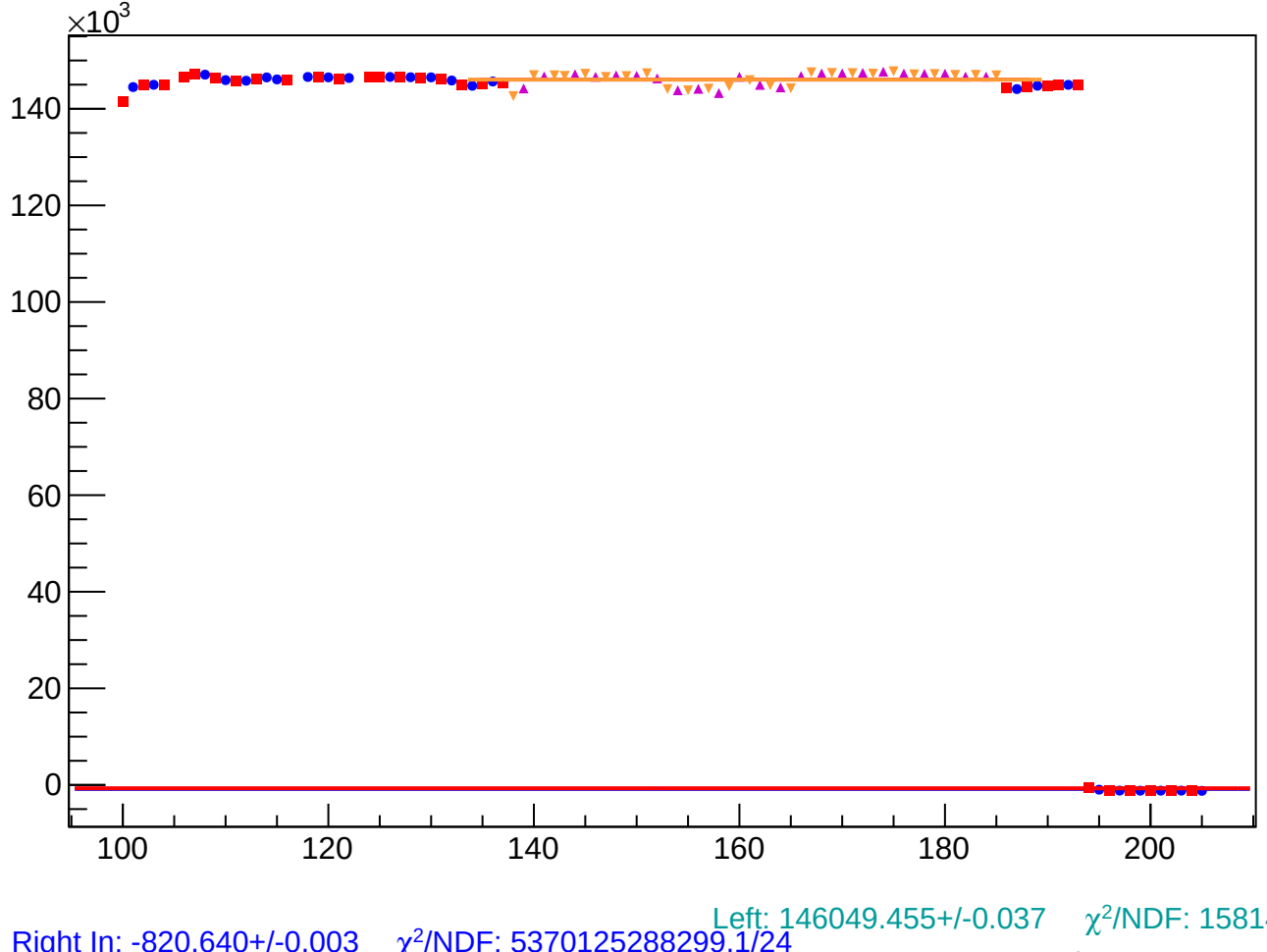
Left: 225.181+/-0.026 χ^2/NDF: 1499314.5/47

Right: 193.919+/-0.028 χ^2/NDF: 9814686.1/54

In: 212.719+/-0.028 χ^2/NDF:5484651.2/47

Out: 208.478+/-0.027 χ^2/NDF:6473972.8/54

All: 210.490+/-0.019 χ^2/NDF: 11970722.3/10



Right In: -820.640+/-0.003 χ^2/NDF: 5370125288299.1/24

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -696.538+/-0.003 χ^2/NDF: 6455822331939.0/29

Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

Left: 146049.455+/-0.037 χ^2/NDF: 1581483589.3/4

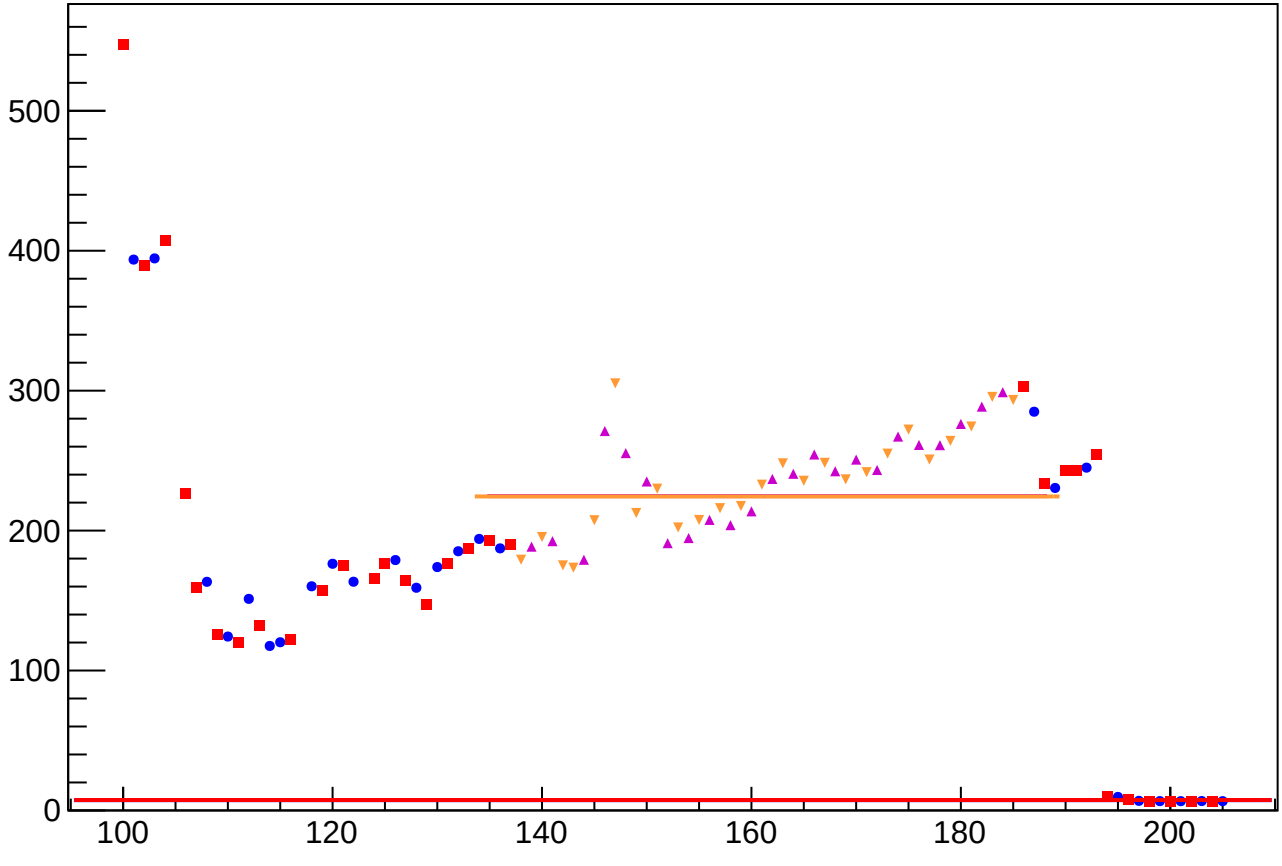
Right: -761.494+/-0.002 χ^2/NDF: 11826716266057

In: -333.361+/-0.003 χ^2/NDF:12865570726087.5/

Out: -129.832+/-0.003 χ^2/NDF:14386075489703.2

All: -236.333+/-0.002 χ^2/NDF: 27253721104

yield_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 7.377+/-0.002 χ^2/NDF: 16091893.8/24

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

Right Out: 7.452+/-0.002 χ^2/NDF: 18396038.5/29

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

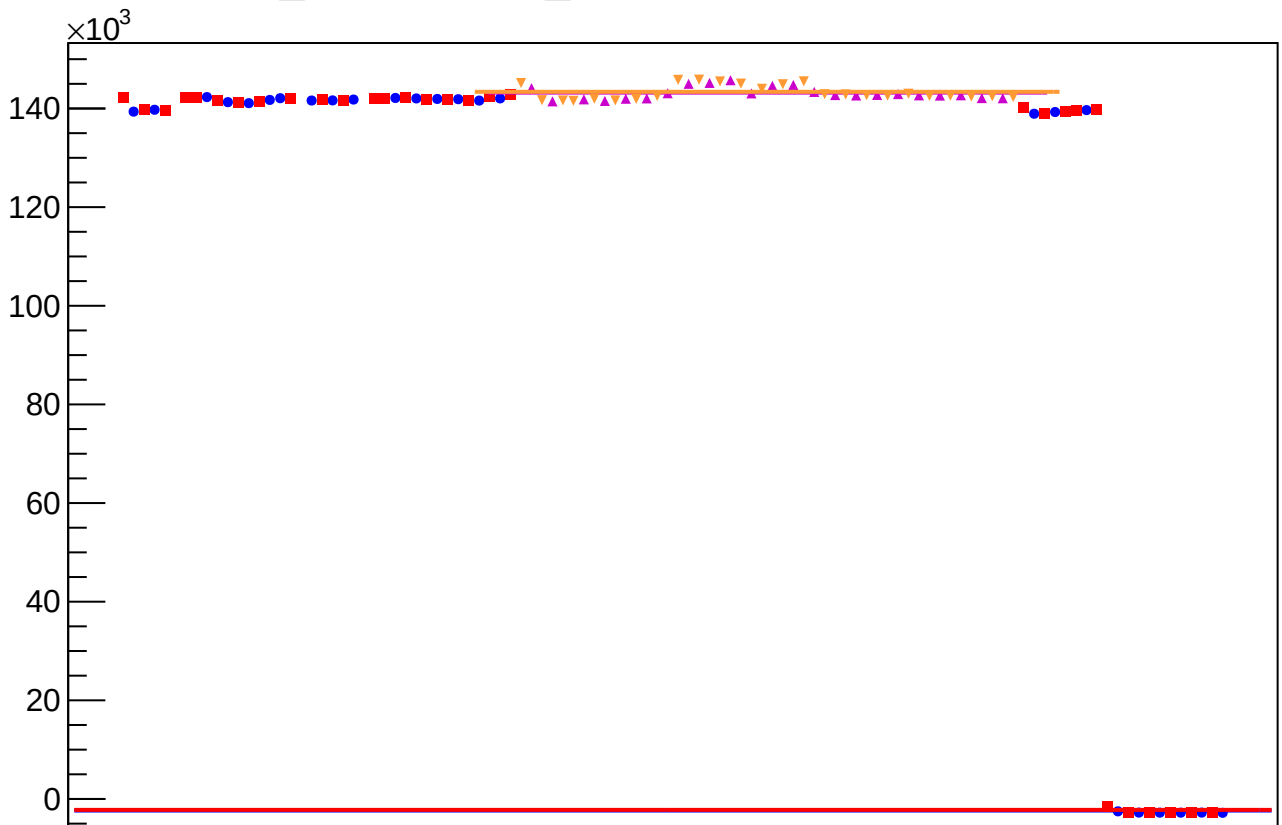
Left: 224.528+/-0.026 χ^2/NDF: 1606118.8/47

Right: 7.413+/-0.002 χ^2/NDF: 34488501.6/54

In: 8.097+/-0.002 χ^2/NDF:49651560.8/47

Out: 8.290+/-0.002 χ^2/NDF:53912856.3/54

All: 8.189+/-0.002 χ^2/NDF: 103568132.1/102



Right In: -2344.140+/-0.003 χ^2/NDF: 4958297277762.9/24

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2213.316+/-0.004 χ^2/NDF: 5824226906036.4/29

Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

Left: 143306.102+/-0.038 χ^2/NDF: 1328866261.9/4

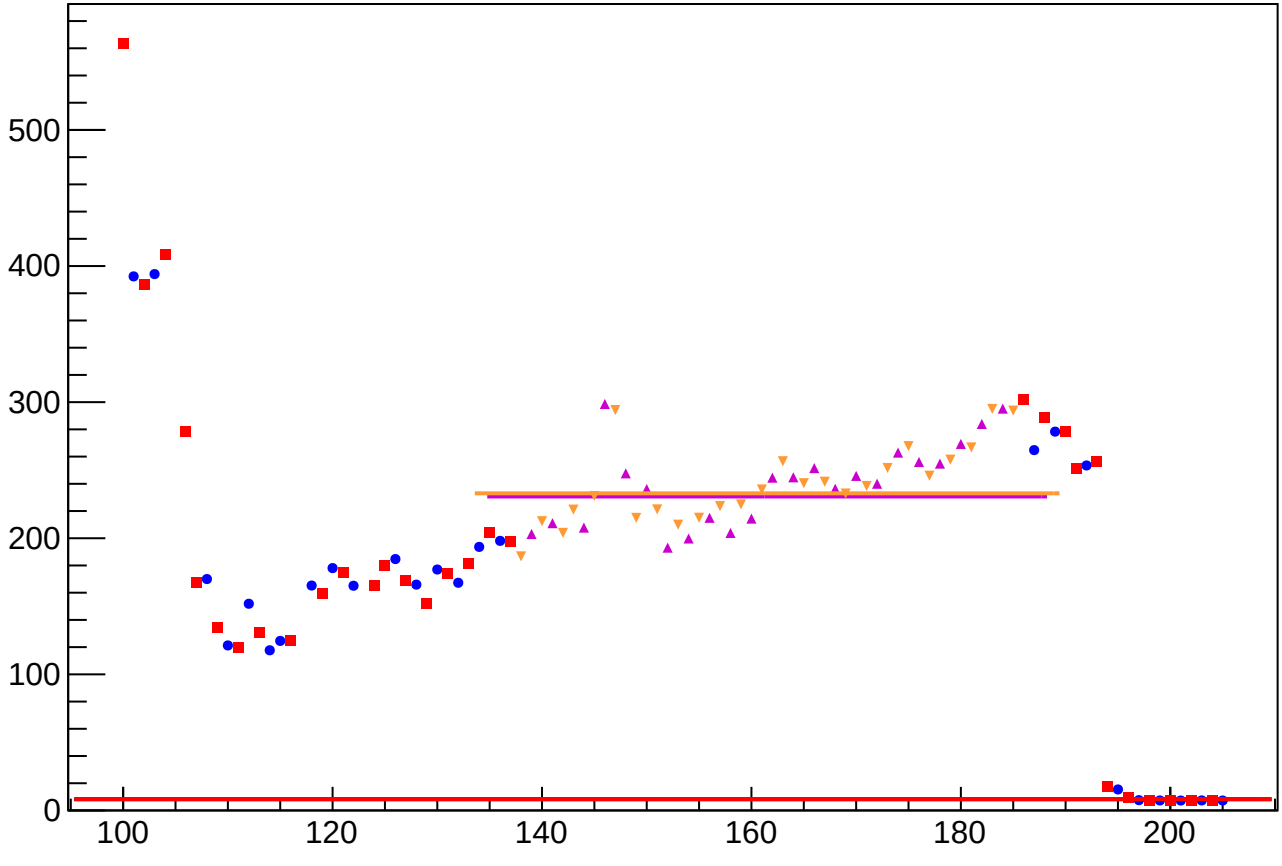
Right: -2281.635+/-0.003 χ^2/NDF: 1078319510583

In: -1756.377+/-0.003 χ^2/NDF:11978735811419.

Out: -1543.391+/-0.004 χ^2/NDF:13147044040865

All: -1654.586+/-0.003 χ^2/NDF: 2512756585

yield_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 8.244+/-0.002 χ^2/NDF: 16245762.6/24

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

Right Out: 8.333+/-0.003 χ^2/NDF: 18429363.4/29

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

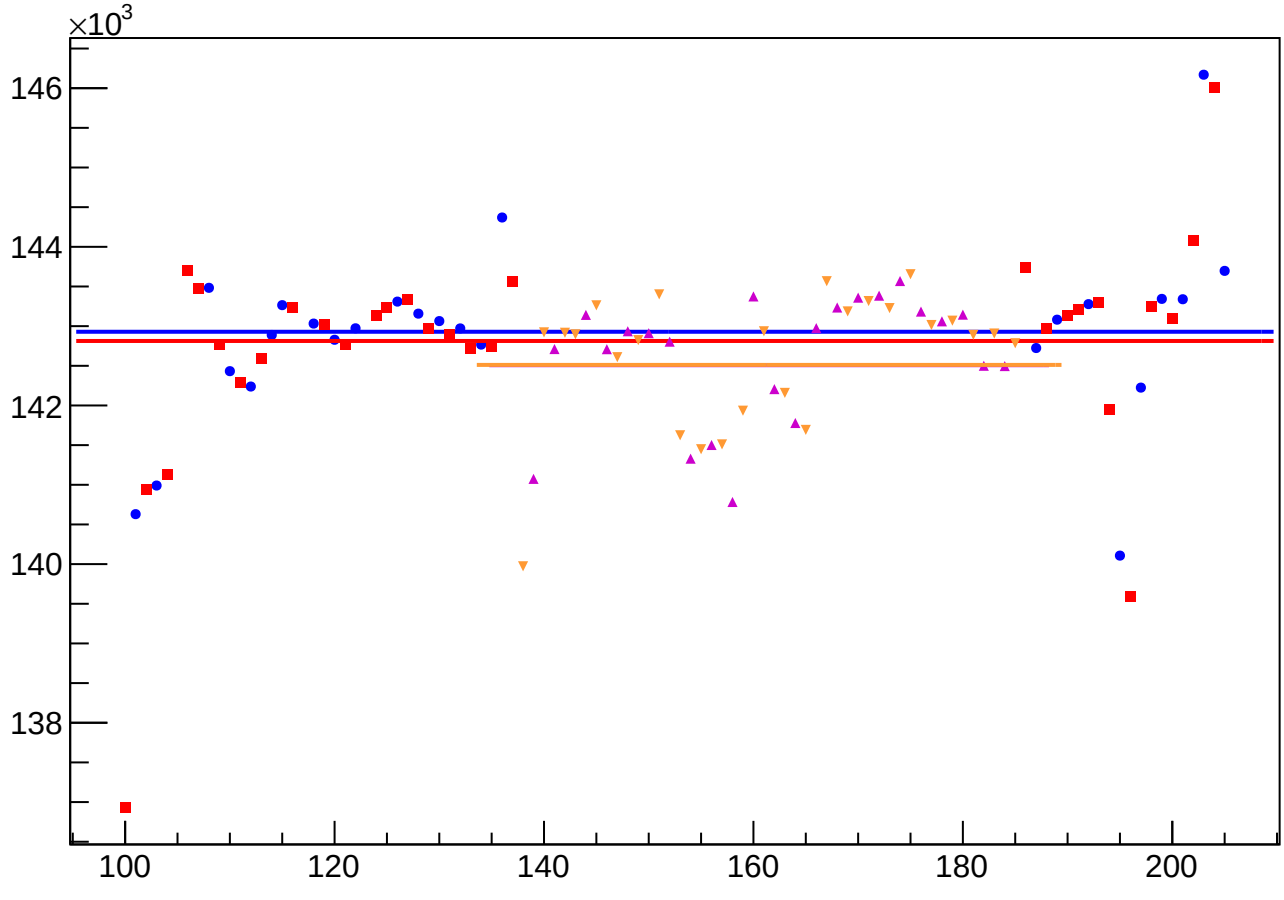
Left: 231.874+/-0.027 χ^2/NDF: 959957.6/47

Right: 8.286+/-0.002 χ^2/NDF: 34675746.8/54

In: 9.142+/-0.002 χ^2/NDF:49544892.1/47

Out: 9.366+/-0.003 χ^2/NDF:53744862.8/54

All: 9.249+/-0.002 χ^2/NDF: 103293725.1/102



Right In: 142929.304+/-0.061 χ^2/NDF: 239478096.6/24

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142813.135+/-0.056 χ^2/NDF: 201454113.7/29

Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

Left: 142509.527+/-0.037 χ^2/NDF: 607361986.5/47

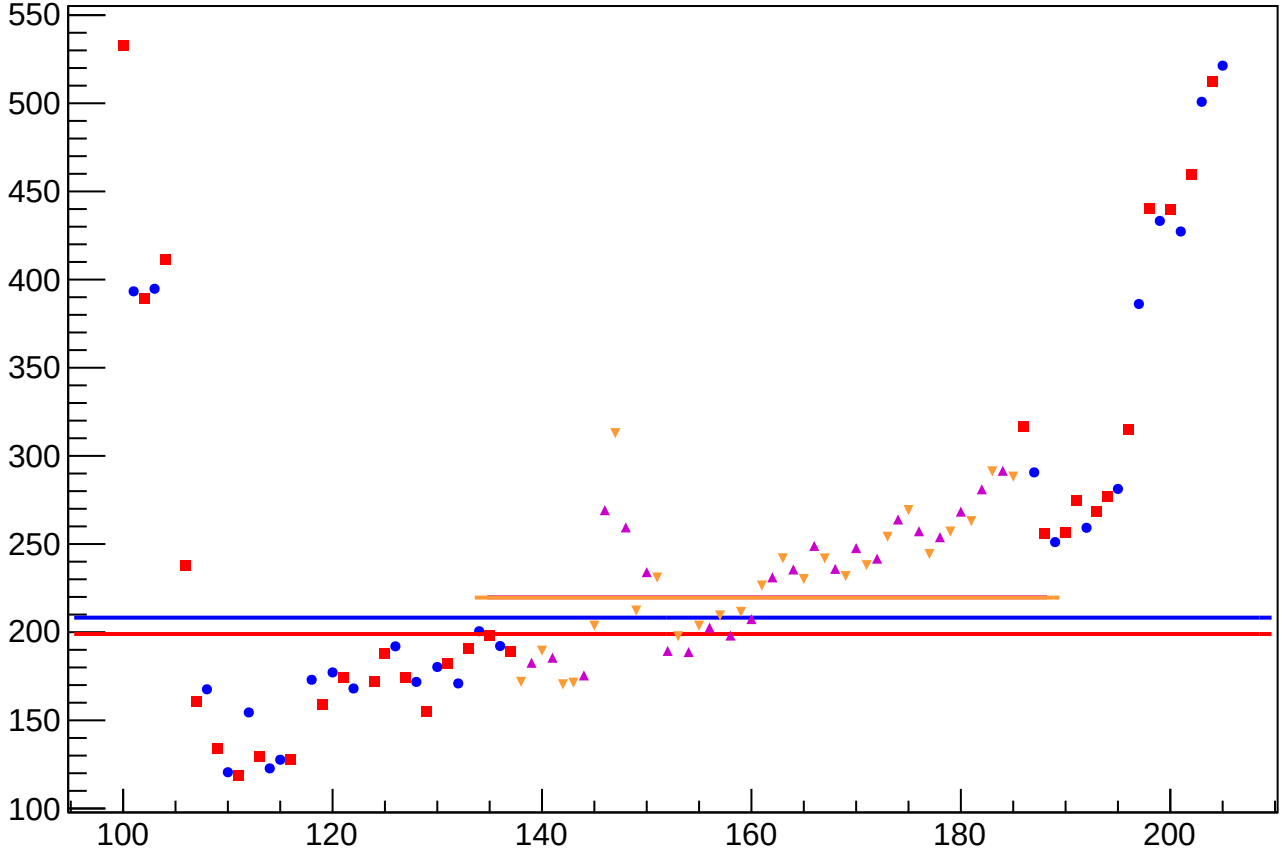
Right: 142866.158+/-0.041 χ^2/NDF: 442886447.3/5

In: 142685.736+/-0.040 χ^2/NDF:536116127.9/47

Out: 142647.514+/-0.038 χ^2/NDF:555396922.6/54

All: 142665.584+/-0.027 χ^2/NDF: 10919987

yield_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 208.246+/-0.043 χ^2/NDF: 4240344.3/24

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

Right Out: 198.959+/-0.040 χ^2/NDF: 4874241.2/29

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

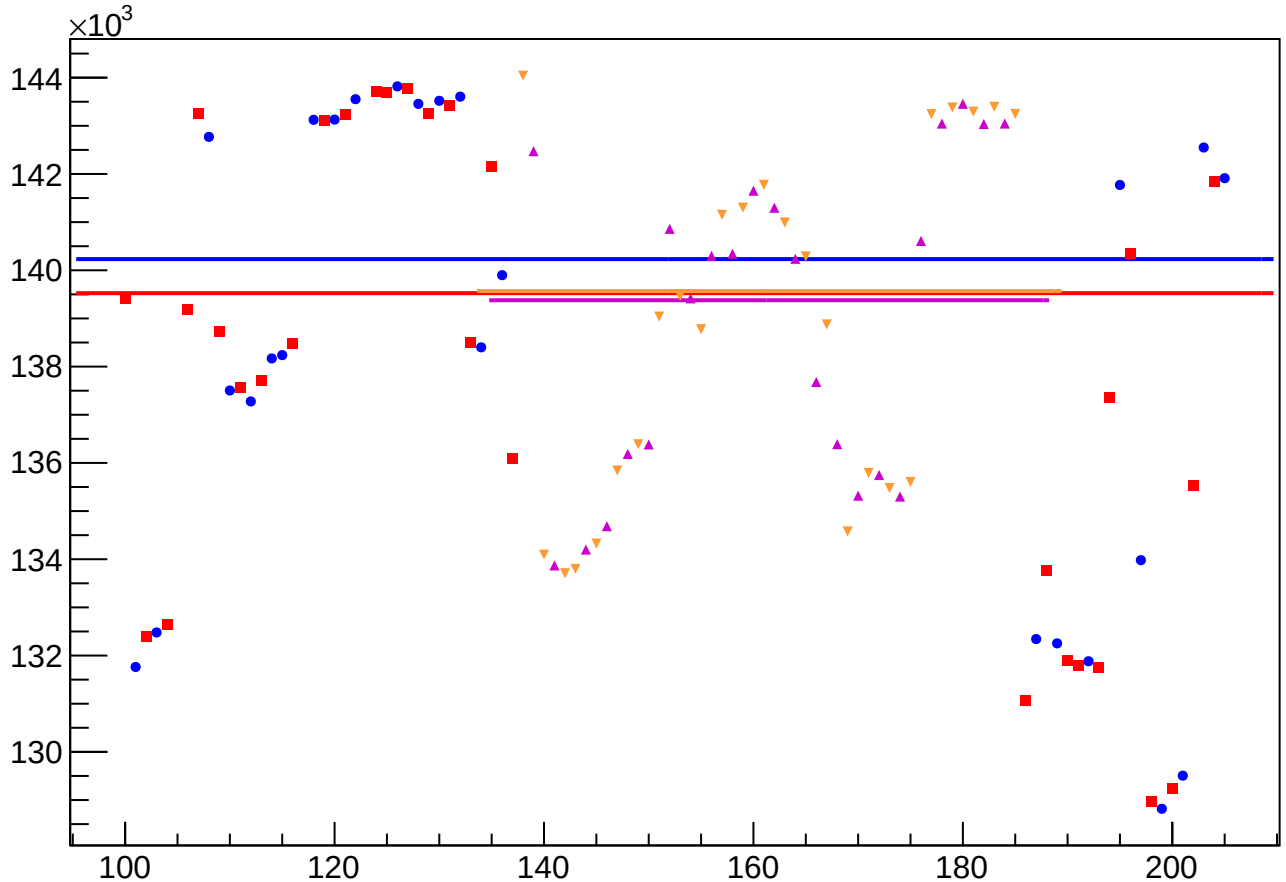
Left: 219.713+/-0.026 χ^2/NDF: 1707542.5/47

Right: 203.198+/-0.029 χ^2/NDF: 9139565.0/54

In: 214.927+/-0.028 χ^2/NDF:5087016.1/47

Out: 210.298+/-0.027 χ^2/NDF:5924898.6/54

All: 212.486+/-0.019 χ^2/NDF: 11026160.4/10



Right In: 140232.135+/-0.087 χ^2/NDF: 2580694247.3/24

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139525.119+/-0.085 χ^2/NDF: 2727872086.4/29

Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

Left: 139477.077+/-0.051 χ^2/NDF: 4511647582.8/4

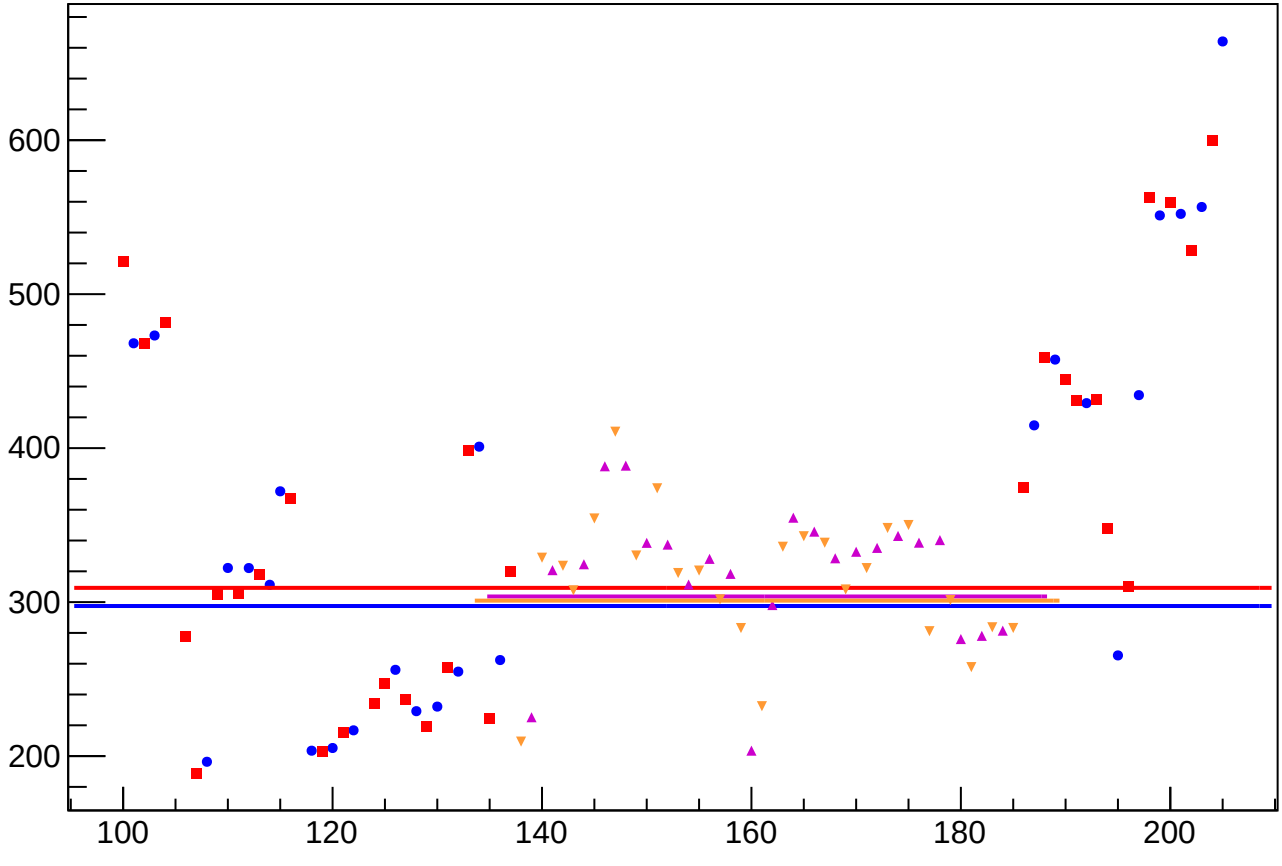
Right: 139872.627+/-0.061 χ^2/NDF: 5342493632.0/

In: 139732.505+/-0.056 χ^2/NDF:4559119290.5/47

Out: 139551.134+/-0.054 χ^2/NDF:5314667629.5/5

All: 139638.998+/-0.039 χ^2/NDF: 98792373

yield_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 297.469+/-0.061 χ^2/NDF: 3421753.9/24

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

Right Out: 309.260+/-0.060 χ^2/NDF: 3327243.2/29

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

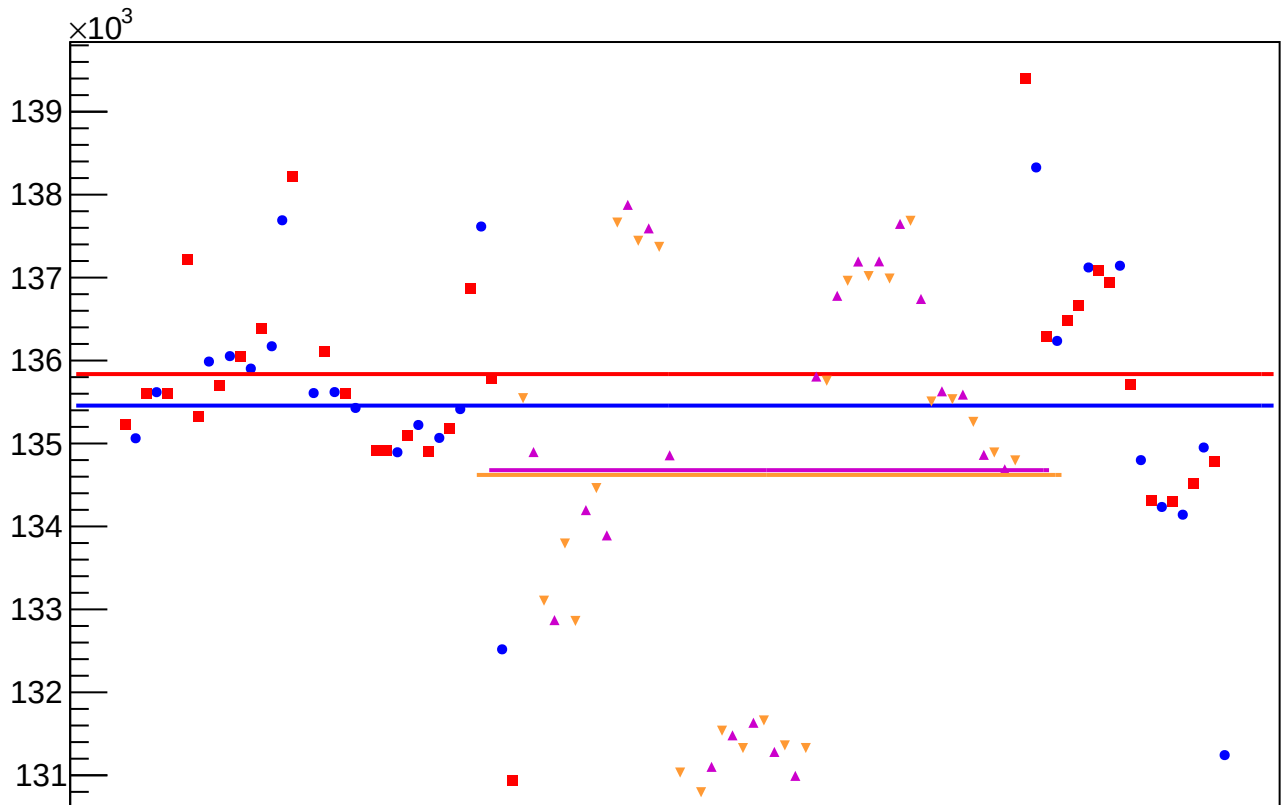
Left: 302.256+/-0.036 χ^2/NDF: 1854562.6/47

Right: 303.465+/-0.043 χ^2/NDF: 6767871.0/54

In: 301.088+/-0.039 χ^2/NDF:4403986.6/47

Out: 304.314+/-0.038 χ^2/NDF:4215466.9/54

All: 302.751+/-0.027 χ^2/NDF: 8622902.1/102



Right In: 135456.970+/-0.082 χ^2/NDF: 283910404.0/24

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135836.790+/-0.074 χ^2/NDF: 256953050.7/29

Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

Left: 134648.354+/-0.046 χ^2/NDF: 2298175591.1/4

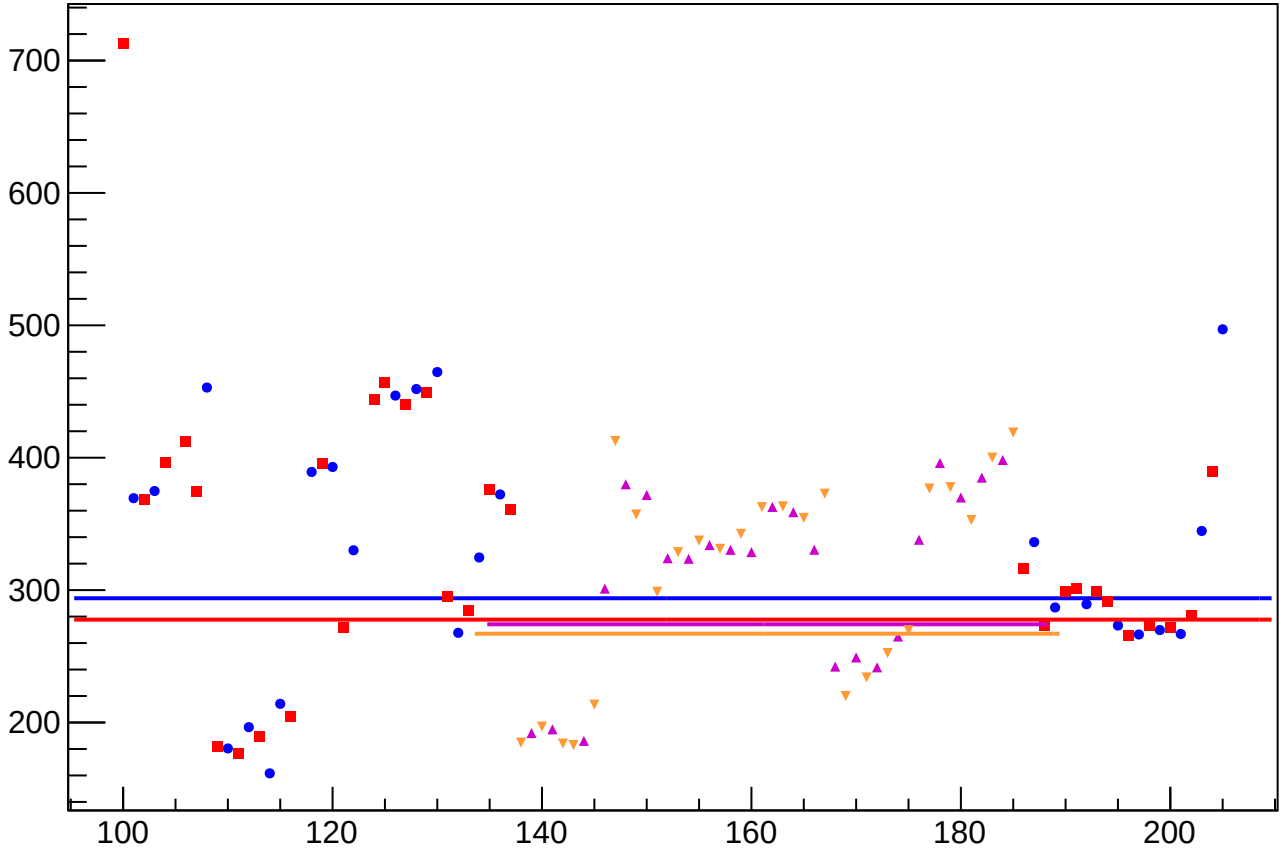
Right: 135666.118+/-0.055 χ^2/NDF: 552648593.0/5

In: 134989.112+/-0.052 χ^2/NDF:1434239040.7/47

Out: 135137.455+/-0.048 χ^2/NDF:1613021618.1/5

All: 135068.492+/-0.035 χ^2/NDF: 30516388

yield_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 293.855+/-0.058 χ^2/NDF: 1834349.9/24

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

Right Out: 277.715+/-0.052 χ^2/NDF: 1871077.0/29

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

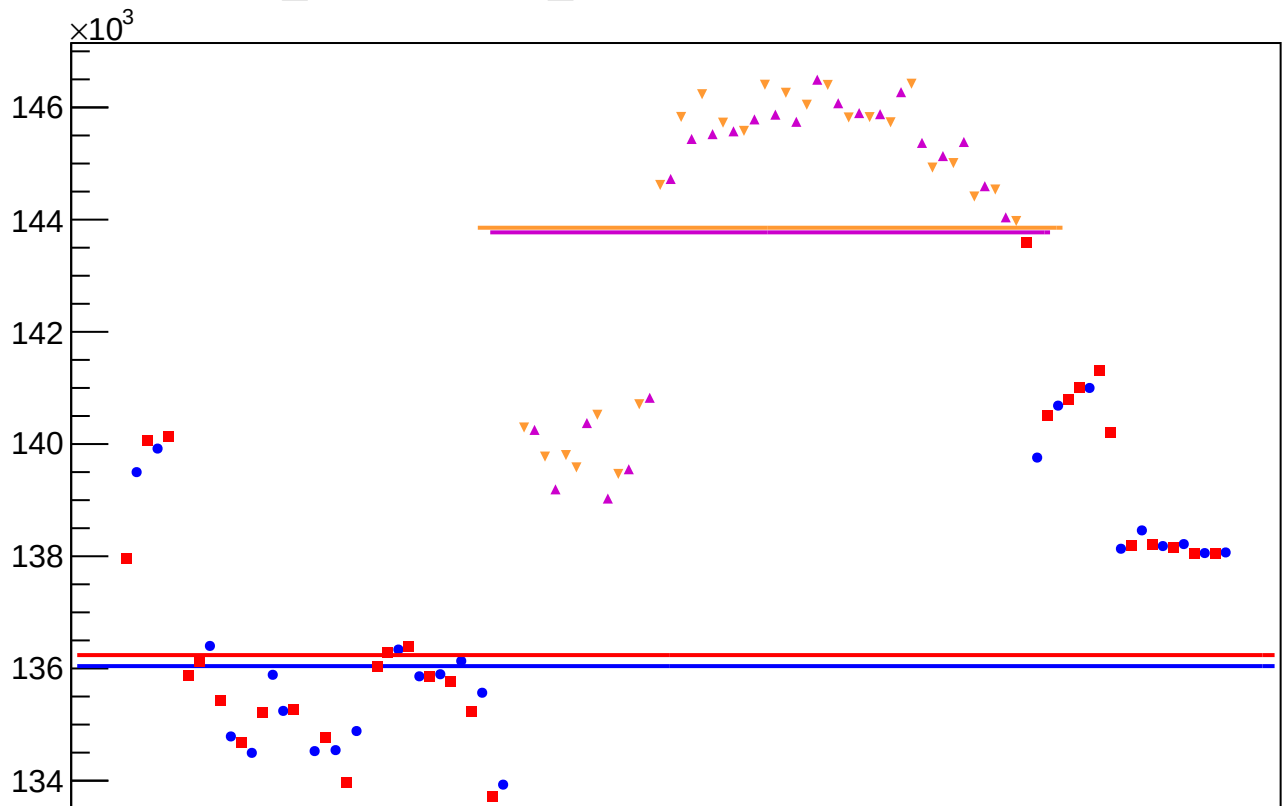
Left: 270.443+/-0.033 χ^2/NDF: 5091950.9/47

Right: 284.968+/-0.039 χ^2/NDF: 3747988.4/54

In: 282.029+/-0.037 χ^2/NDF:4140156.0/47

Out: 271.582+/-0.034 χ^2/NDF:4738158.9/54

All: 276.439+/-0.025 χ^2/NDF: 8921738.9/102



Right In: 136042.119+/-0.048 χ^2/NDF: 1468046598.5/24

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136238.422+/-0.046 χ^2/NDF: 2135769524.0/29

Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

Left: 143816.659+/-0.035 χ^2/NDF: 5934957242.3/4

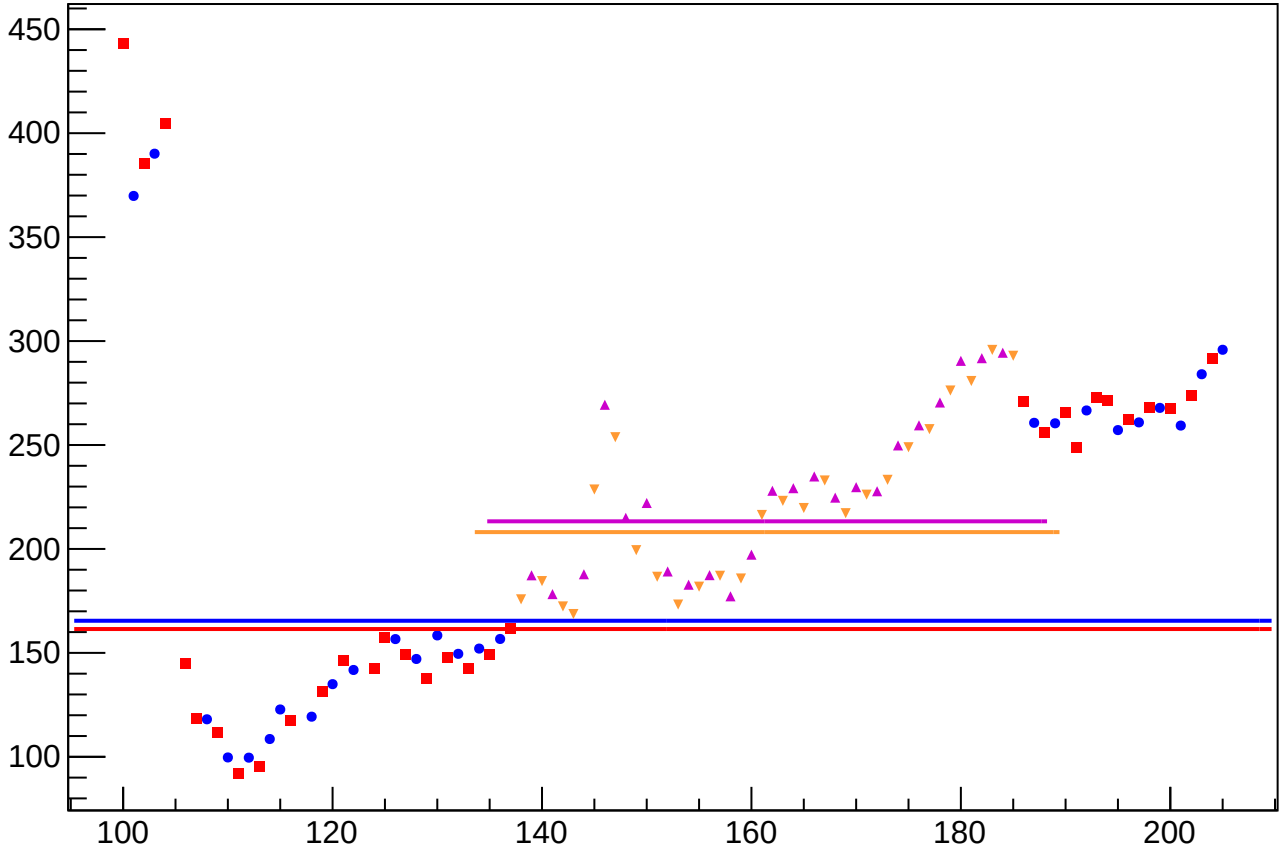
Right: 136146.033+/-0.033 χ^2/NDF: 3612562252.5/

In: 139703.091+/-0.035 χ^2/NDF:16406563944.2/4

Out: 139820.380+/-0.033 χ^2/NDF:18424263274.8

All: 139764.995+/-0.024 χ^2/NDF: 34836740

yield_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 165.456+/-0.034 χ^2/NDF: 3982568.0/24

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

Right Out: 161.471+/-0.032 χ^2/NDF: 4775965.8/29

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

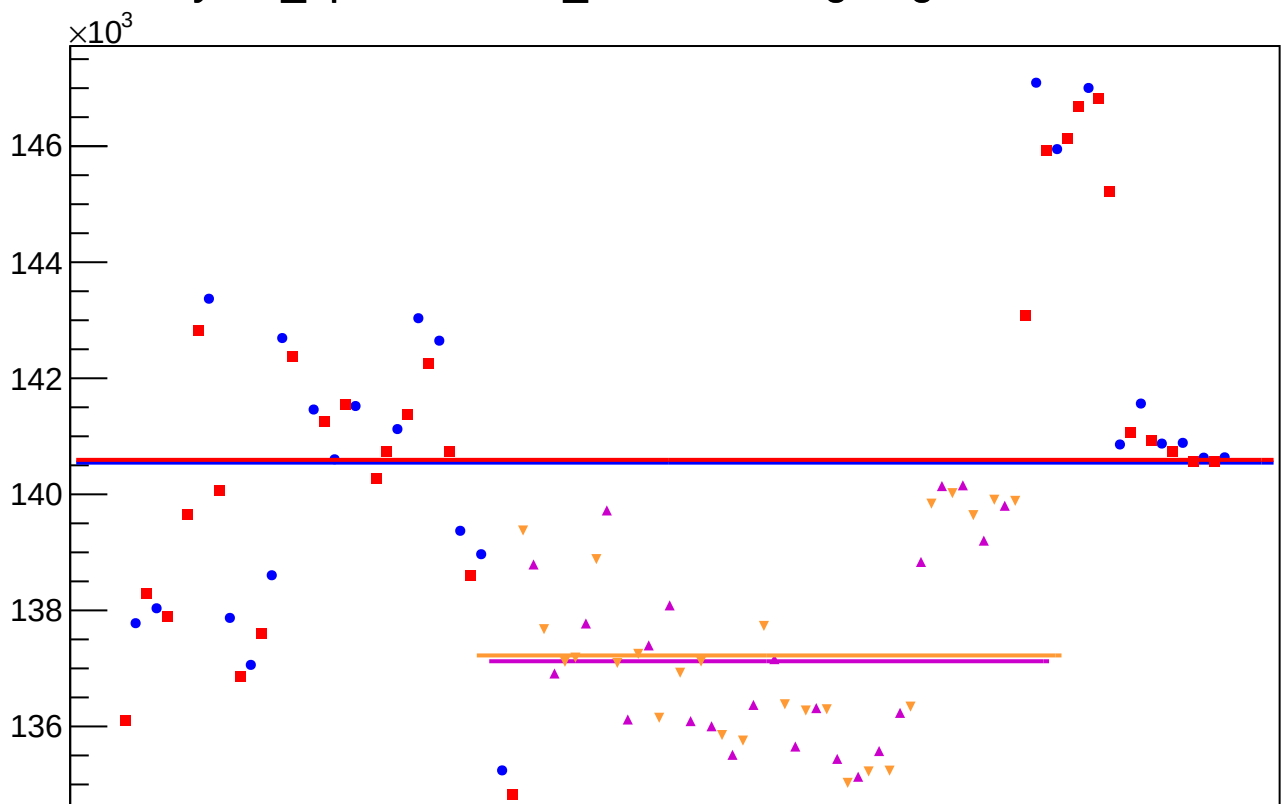
Left: 210.559+/-0.025 χ^2/NDF: 1869455.6/47

Right: 163.347+/-0.023 χ^2/NDF: 8765740.2/54

In: 188.106+/-0.025 χ^2/NDF:5777147.3/47

Out: 183.398+/-0.023 χ^2/NDF:6755072.1/54

All: 185.621+/-0.017 χ^2/NDF: 12551280.4/10



Right In: 140546.439+/-0.054 χ^2/NDF: 2807530731.3/24

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140594.251+/-0.051 χ^2/NDF: 3239185758.8/29

Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

Left: 137175.466+/-0.035 χ^2/NDF: 1757205976.7/4

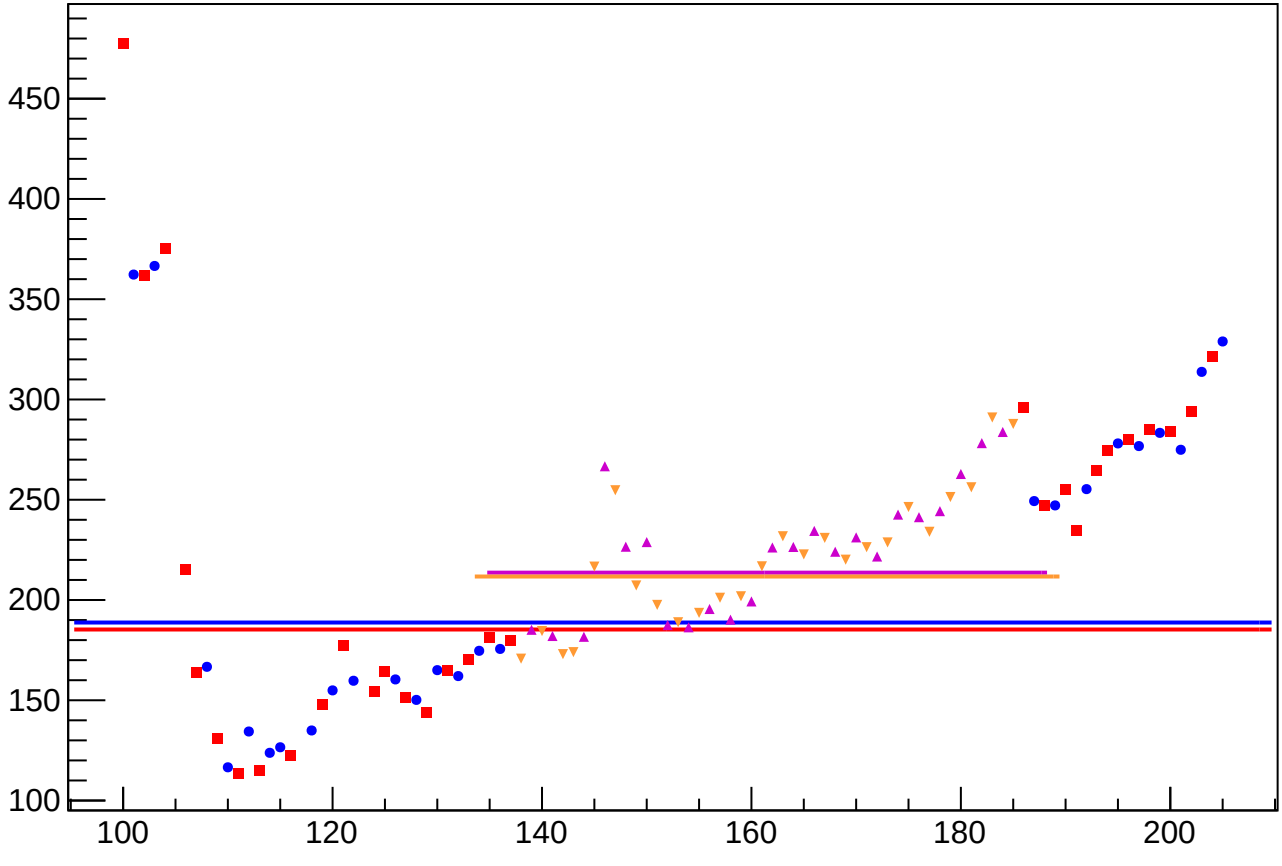
Right: 140571.674+/-0.037 χ^2/NDF: 6047129644.8/

In: 138732.897+/-0.037 χ^2/NDF:5793782678.3/47

Out: 138839.387+/-0.035 χ^2/NDF:6397623814.2/5

All: 138788.588+/-0.026 χ^2/NDF: 12195725

yield_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 188.770+/-0.038 χ^2/NDF: 3008487.0/24

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

Right Out: 185.290+/-0.036 χ^2/NDF: 3628107.3/29

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

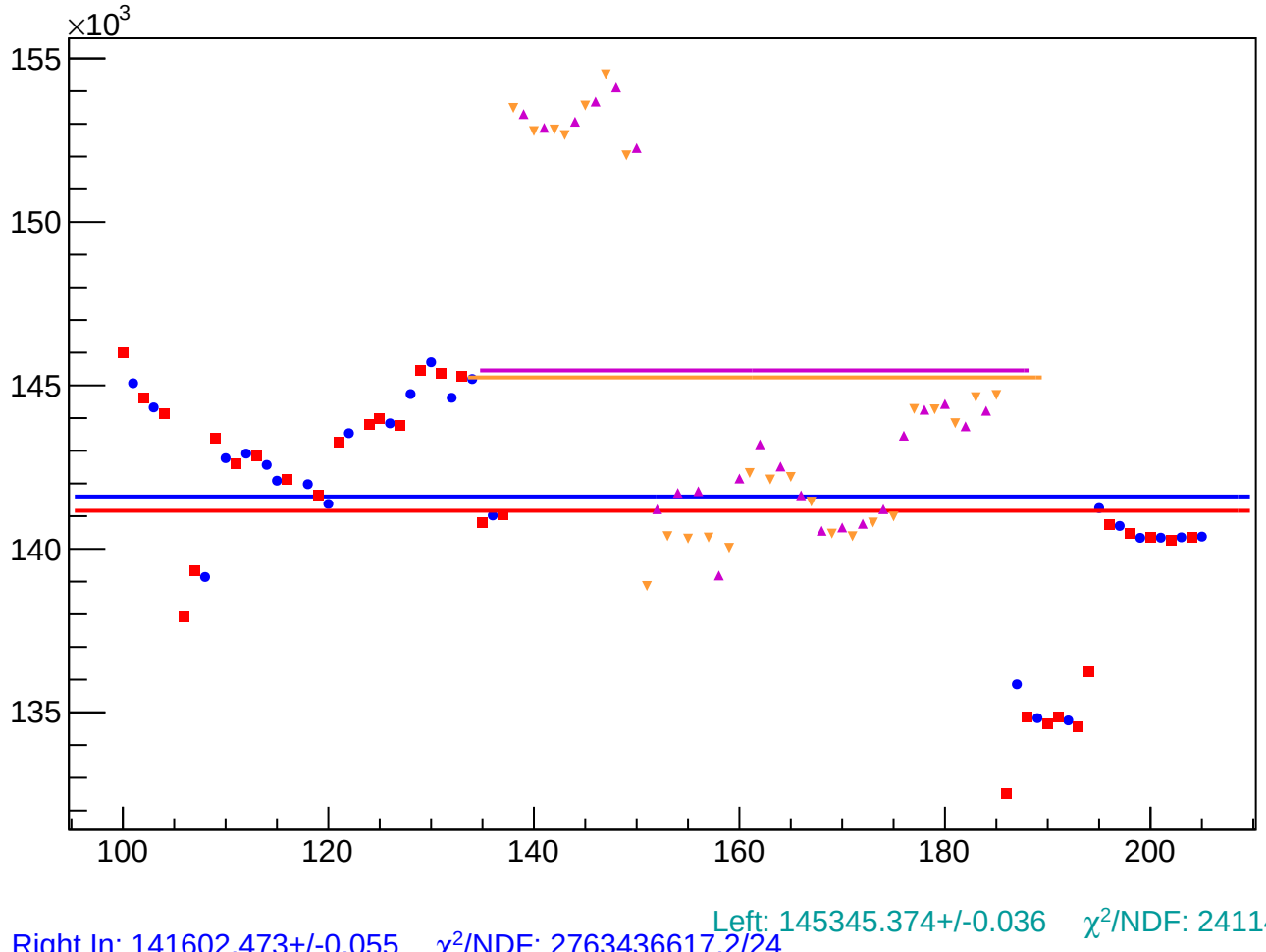
Left: 212.641+/-0.025 χ^2/NDF: 1298405.5/47

Right: 186.933+/-0.026 χ^2/NDF: 6640974.1/54

In: 201.947+/-0.026 χ^2/NDF:3854254.3/47

Out: 199.047+/-0.025 χ^2/NDF:4581969.1/54

All: 200.431+/-0.018 χ^2/NDF: 8442631.5/102



Right In: 141602.473+/-0.055 χ^2/NDF: 2763436617.2/24

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141165.048+/-0.051 χ^2/NDF: 4395319887.1/29

Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

Left: 145345.374+/-0.036 χ^2/NDF: 24114988758.0

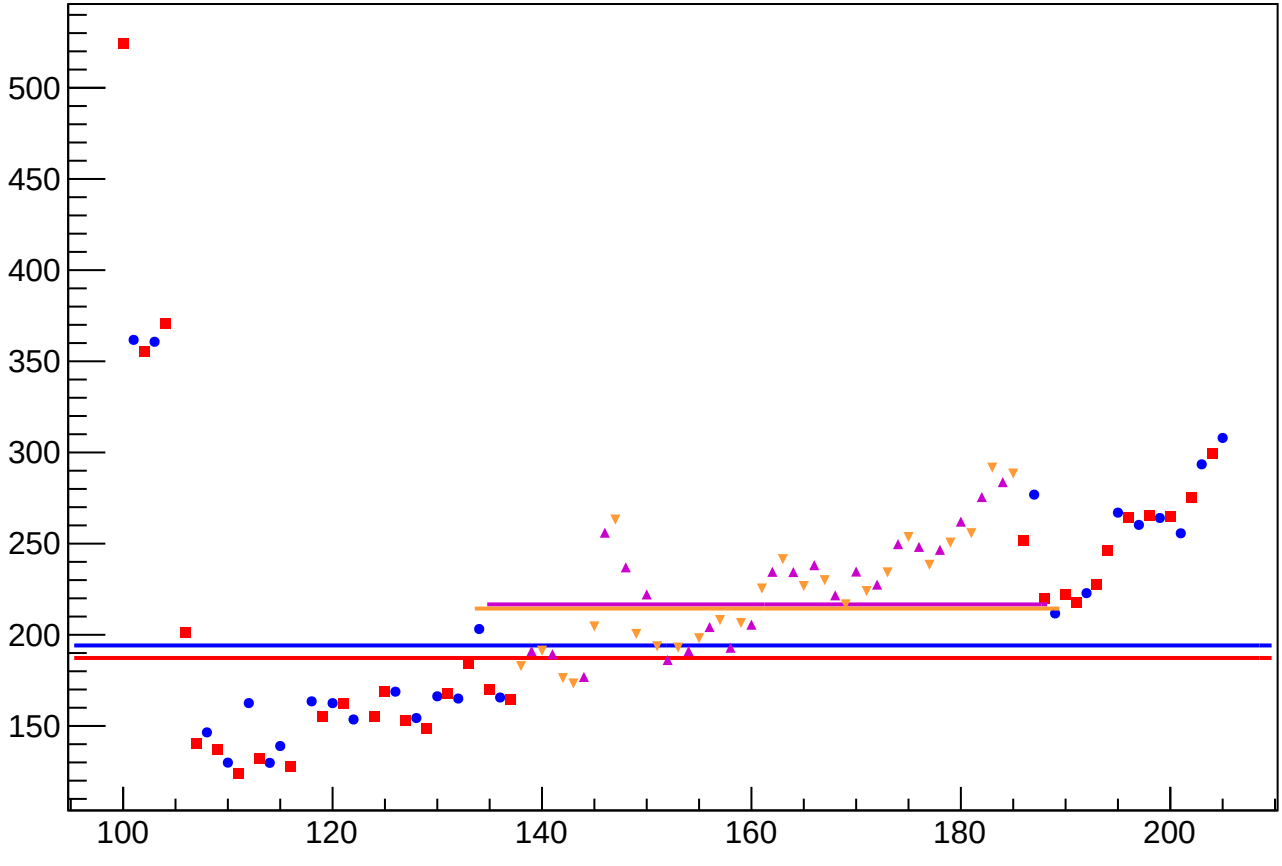
Right: 141367.391+/-0.037 χ^2/NDF: 7193143964.7/

In: 143642.104+/-0.038 χ^2/NDF:16465317625.0/4

Out: 143248.886+/-0.035 χ^2/NDF:20729316857.2

All: 143434.474+/-0.026 χ^2/NDF: 37252652

yield_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 194.152+/-0.039 χ^2/NDF: 2179764.5/24

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

Right Out: 187.289+/-0.036 χ^2/NDF: 2605613.2/29

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

Left: 215.479+/-0.025 χ^2/NDF: 1232550.4/47

Right: 190.464+/-0.026 χ^2/NDF: 4802307.6/54

In: 206.060+/-0.027 χ^2/NDF:2946147.6/47

Out: 201.140+/-0.025 χ^2/NDF:3540704.2/54

All: 203.462+/-0.018 χ^2/NDF: 6505005.5/102

Right In: -9631.112+/-0.011 χ^2/NDF: 5832626212571.5/24

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -7865.801+/-0.011 χ^2/NDF: 7054488327091.9/29

Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

Left: 145123.606+/-0.036 χ^2/NDF: 26879011850.5

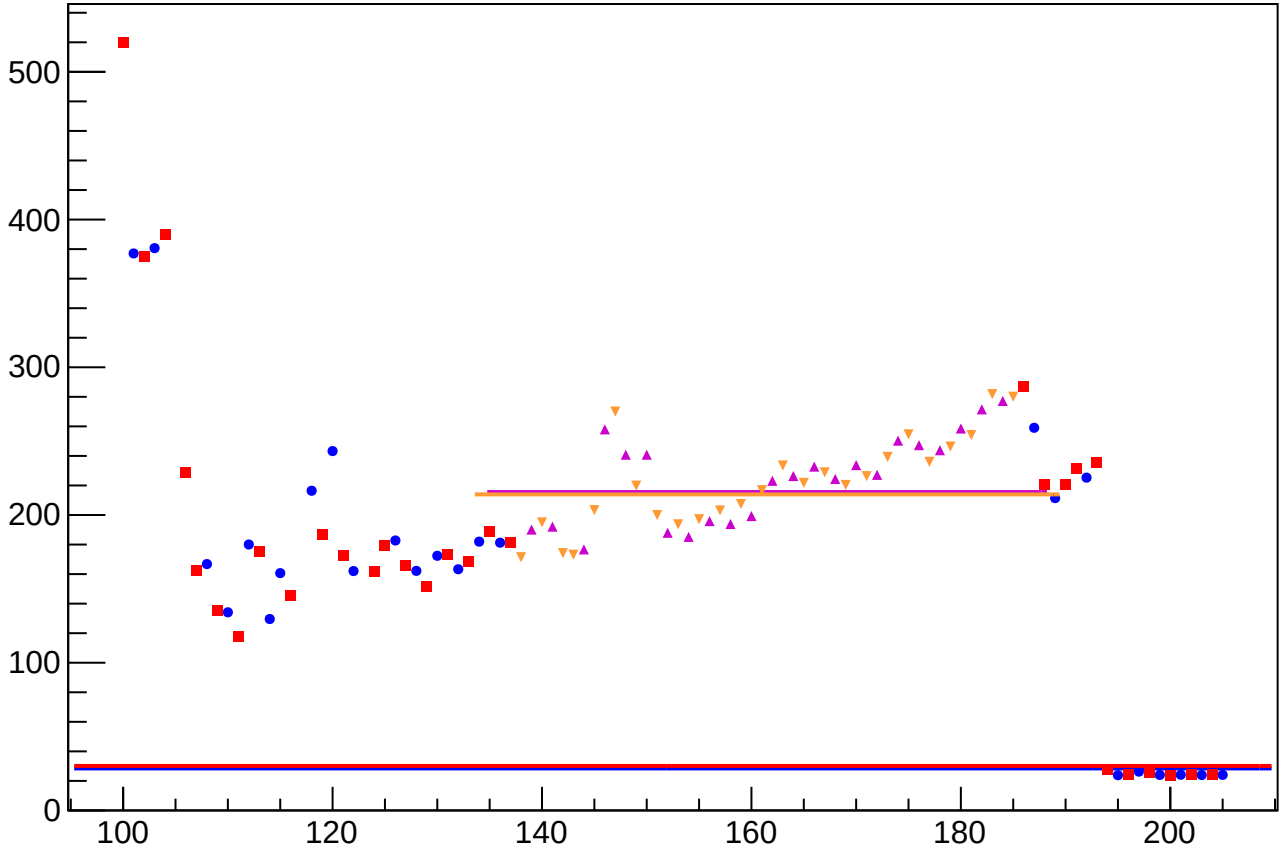
Right: -8797.852+/-0.008 χ^2/NDF: 1290011039737

In: -3233.291+/-0.010 χ^2/NDF:14584299365031.4

Out: -309.309+/-0.011 χ^2/NDF:16208077071577.7

All: -1847.038+/-0.008 χ^2/NDF: 3082973374

yield_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 28.457+/-0.008 χ^2/NDF: 12585534.2/24

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

Right Out: 30.125+/-0.008 χ^2/NDF: 14235932.6/29

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

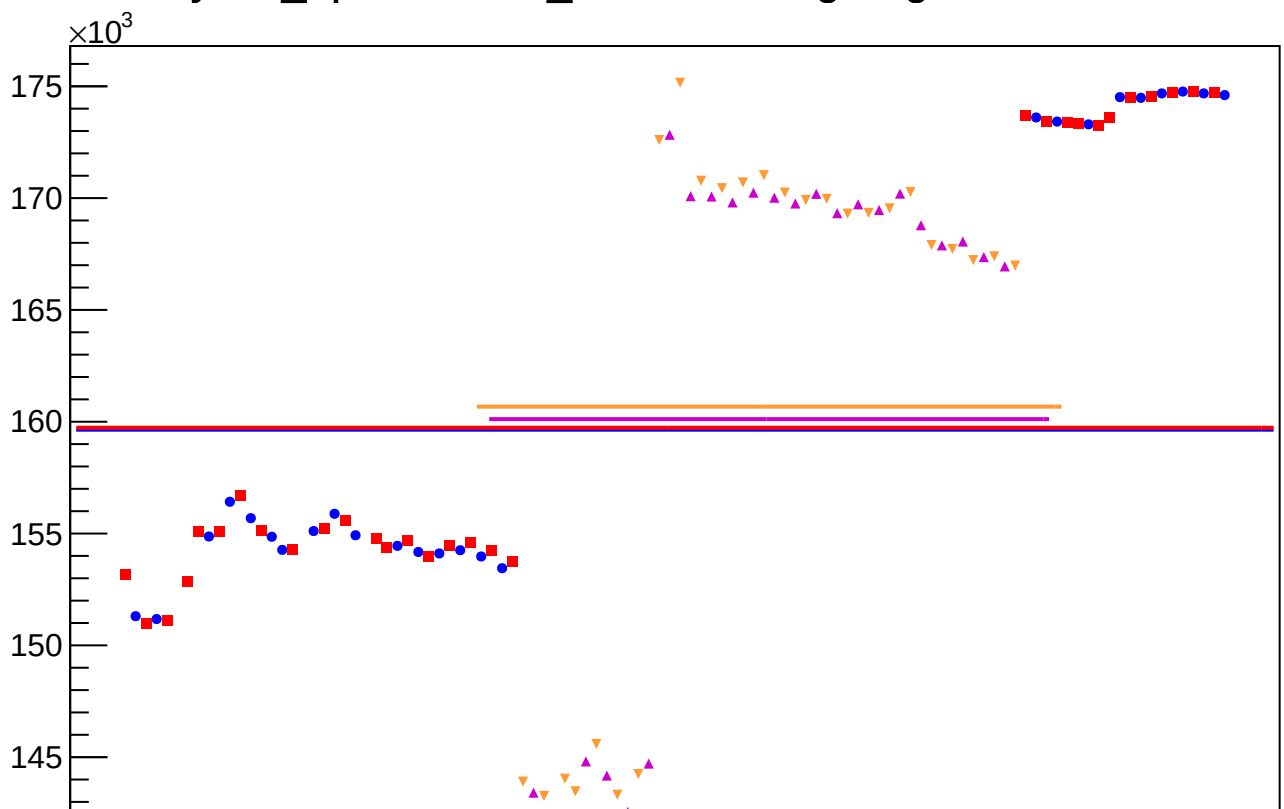
Left: 214.716+/-0.025 χ^2/NDF: 1252179.3/47

Right: 29.245+/-0.005 χ^2/NDF: 26844678.1/54

In: 36.199+/-0.007 χ^2/NDF:38779266.8/47

Out: 39.196+/-0.008 χ^2/NDF:41227424.0/54

All: 37.620+/-0.005 χ^2/NDF: 80085183.3/102



Right In: 159644.340+/-0.056 χ^2/NDF: 22887231874.7/24

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 159732.527+/-0.053 χ^2/NDF: 25830448212.2/29

Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

Left: 160407.689+/-0.034 χ^2/NDF: 140774615101.

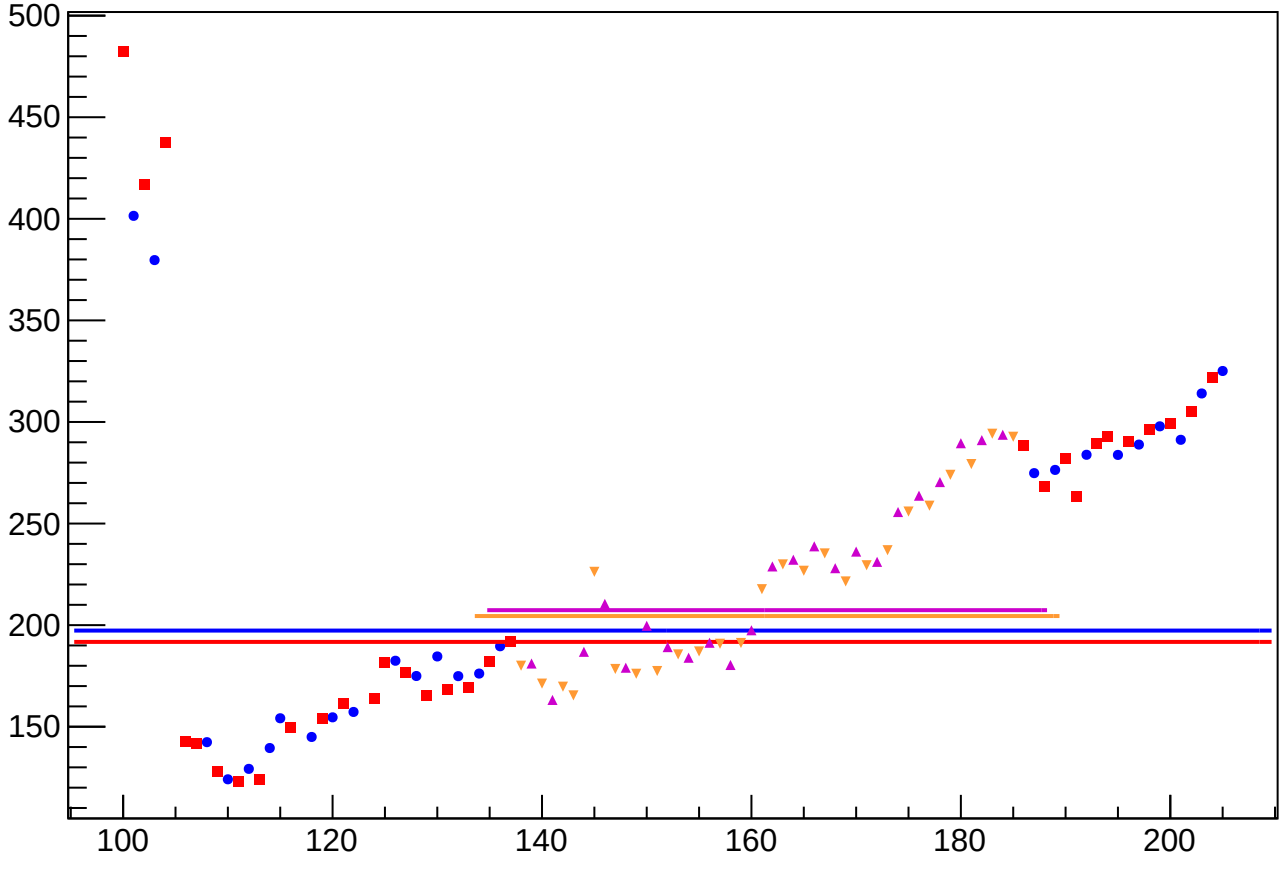
Right: 159691.467+/-0.038 χ^2/NDF: 48718985910.5

In: 159912.136+/-0.037 χ^2/NDF:89480233637.7/4

Out: 160253.143+/-0.035 χ^2/NDF:100162495203.

All: 160091.762+/-0.026 χ^2/NDF: 189687077

yield_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 197.323+/-0.040 χ^2/NDF: 3075852.5/24

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

Right Out: 191.749+/-0.037 χ^2/NDF: 3782089.5/29

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

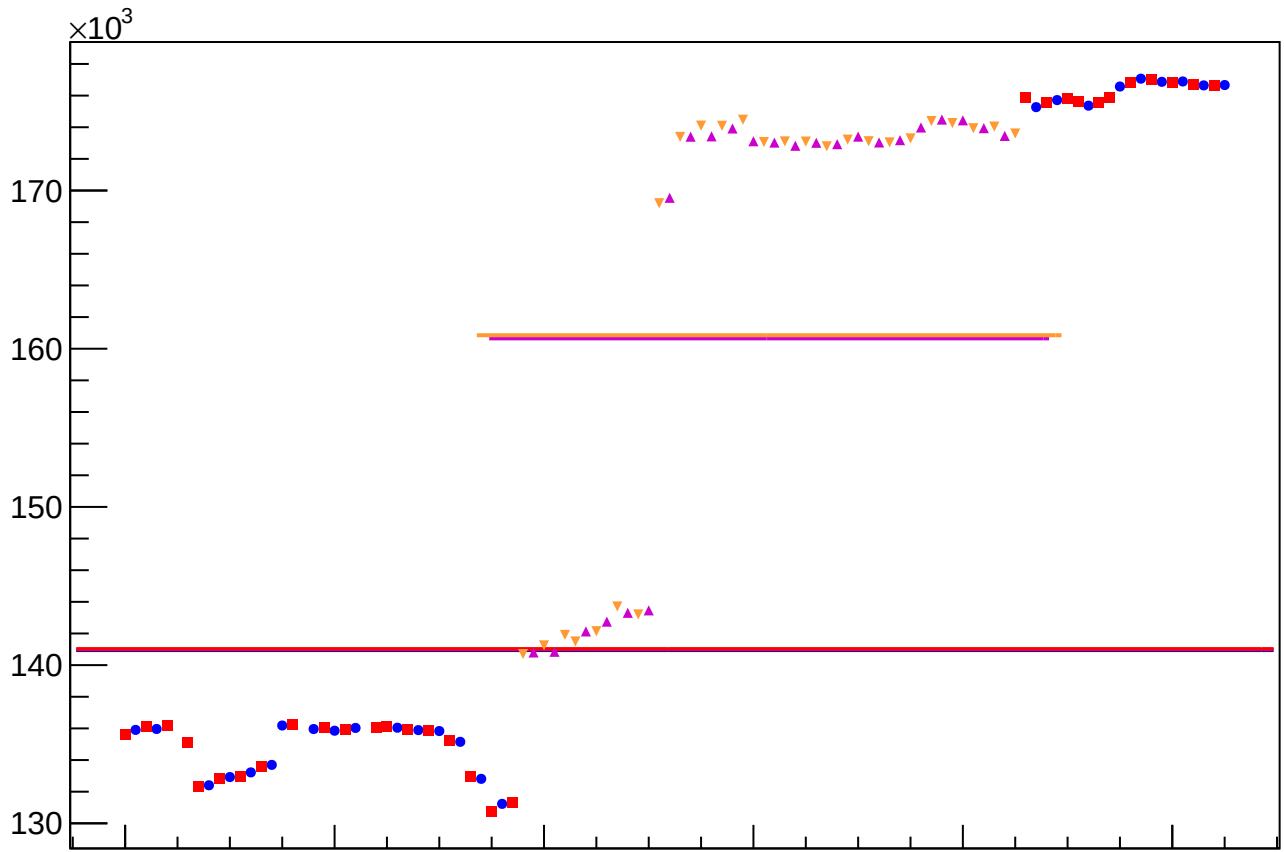
Left: 205.862+/-0.024 χ^2/NDF: 2033412.9/47

Right: 194.345+/-0.027 χ^2/NDF: 6868376.3/54

In: 203.009+/-0.026 χ^2/NDF:4068386.8/47

Out: 198.781+/-0.025 χ^2/NDF:4919834.7/54

All: 200.782+/-0.018 χ^2/NDF: 9001857.4/102



Right In: 140951.386+/-0.047 χ^2/NDF: 110142732867.9/24

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 141013.999+/-0.044 χ^2/NDF: 125916725390.9/29

Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

Left: 160756.959+/-0.035 χ^2/NDF: 189360447861.

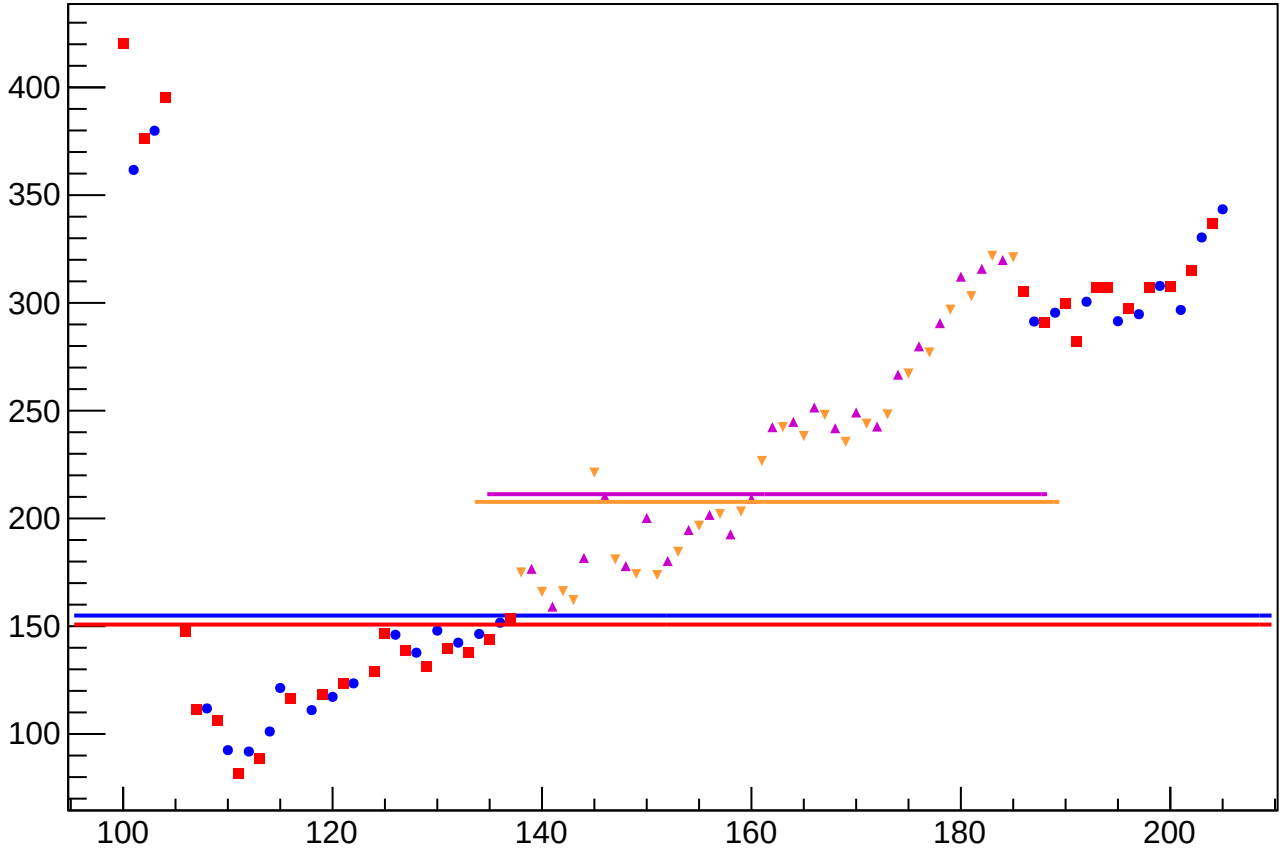
Right: 140984.567+/-0.032 χ^2/NDF: 236060413787

In: 149998.233+/-0.034 χ^2/NDF:282271692320.6

Out: 149965.325+/-0.033 χ^2/NDF:317189360487.

All: 149980.913+/-0.024 χ^2/NDF: 599461537

yield_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 154.945+/-0.033 χ^2/NDF: 5462330.6/24

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

Right Out: 150.765+/-0.031 χ^2/NDF: 6499503.1/29

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

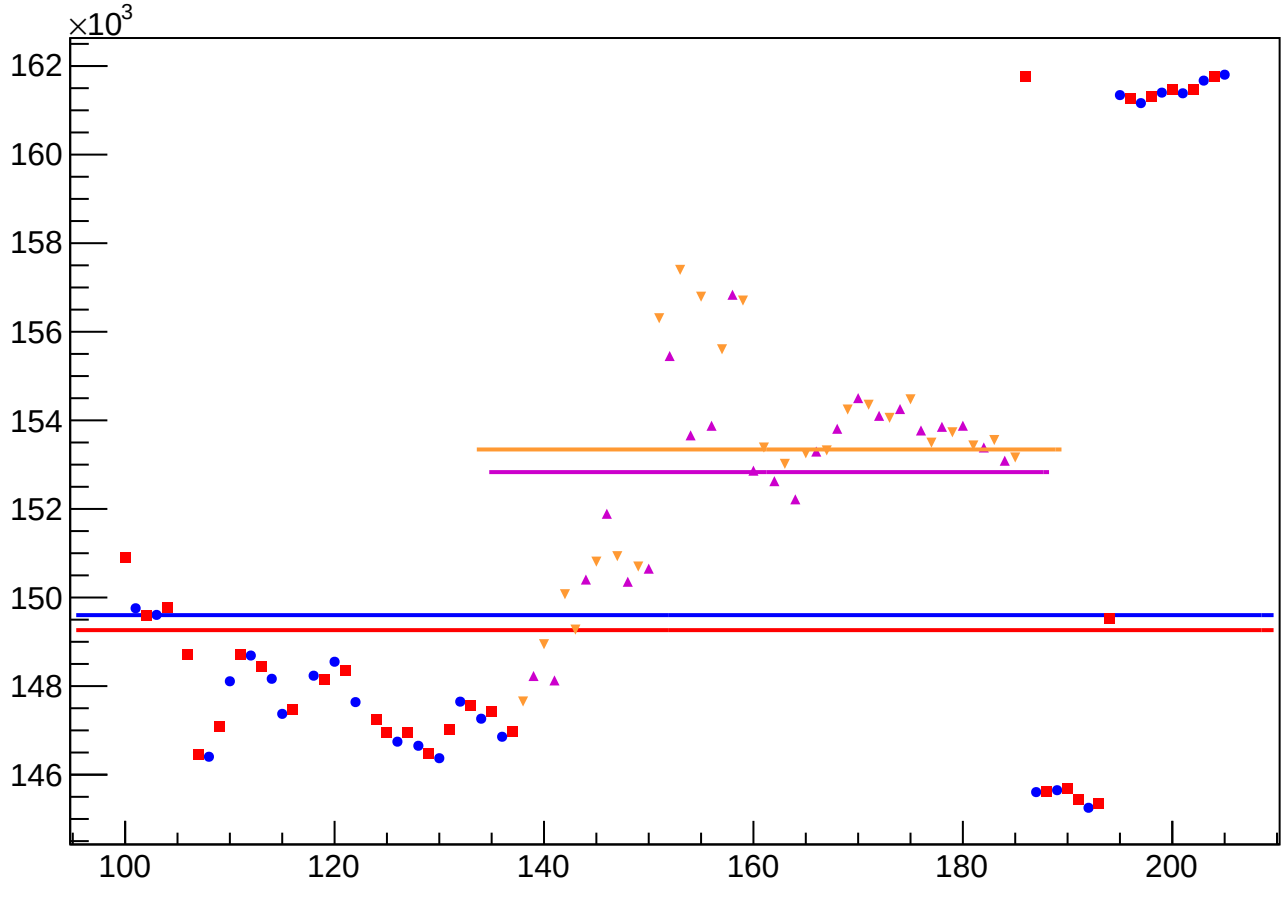
Left: 209.393+/-0.025 χ^2/NDF: 2811623.6/47

Right: 152.730+/-0.023 χ^2/NDF: 11970350.6/54

In: 180.800+/-0.024 χ^2/NDF:8107239.3/47

Out: 176.452+/-0.023 χ^2/NDF:9516504.2/54

All: 178.512+/-0.017 χ^2/NDF: 17640672.2/10



Right In: 149602.315+/-0.055 χ^2/NDF: 8921065352.7/24

Left Out: 153342.472+/-0.051 χ^2/NDF:2978670616.9/24

Right Out: 149263.647+/-0.051 χ^2/NDF: 8262921344.0/29

Left In: 152831.399+/-0.053 χ^2/NDF:1914395326.4/22

Left: 153096.797+/-0.037 χ^2/NDF: 4941719474.7/4

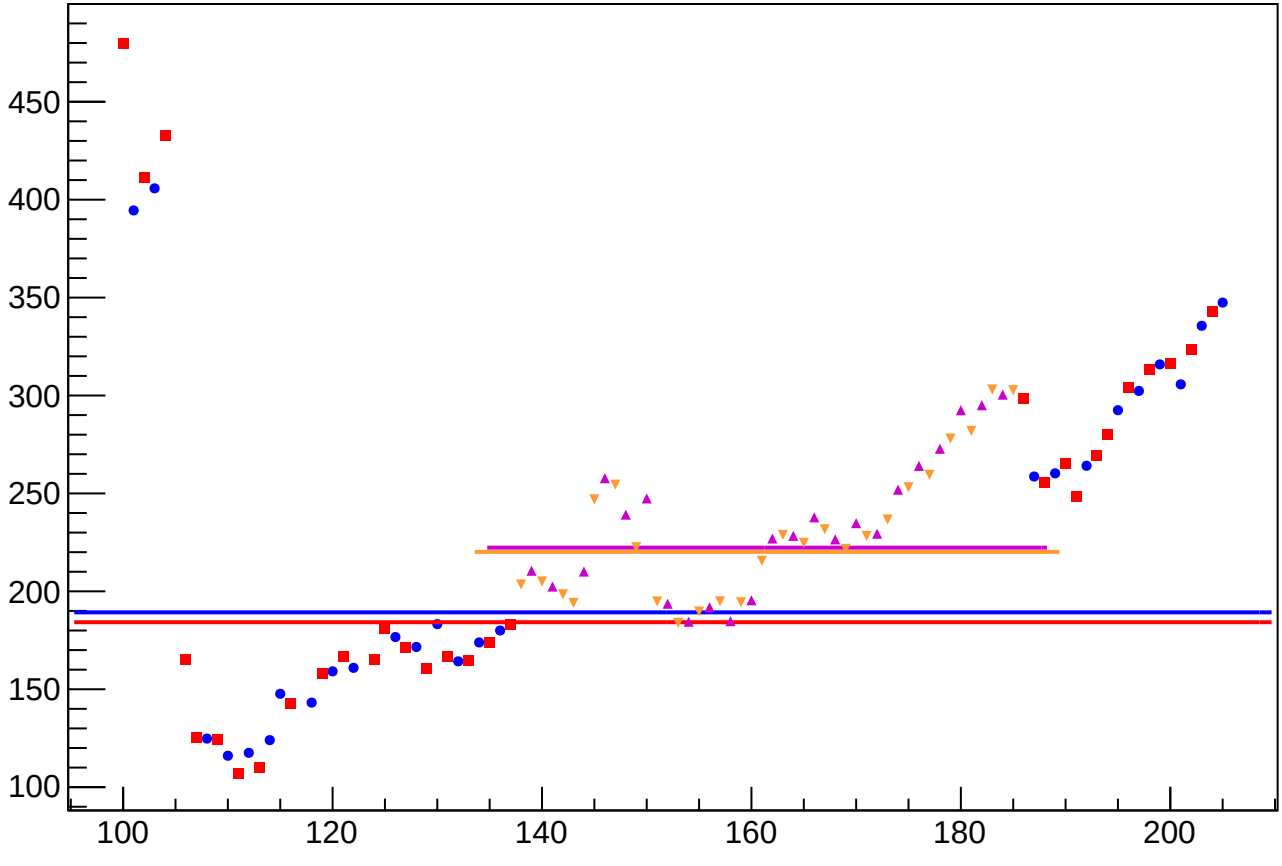
Right: 149421.748+/-0.037 χ^2/NDF: 17204321628.8

In: 151277.990+/-0.038 χ^2/NDF:12634746213.6/4

Out: 151323.574+/-0.036 χ^2/NDF:14432542638.4

All: 151301.970+/-0.026 χ^2/NDF: 27068044

yield_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 189.266+/-0.039 χ^2/NDF: 3728531.4/24

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

Right Out: 184.224+/-0.036 χ^2/NDF: 4394595.6/29

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

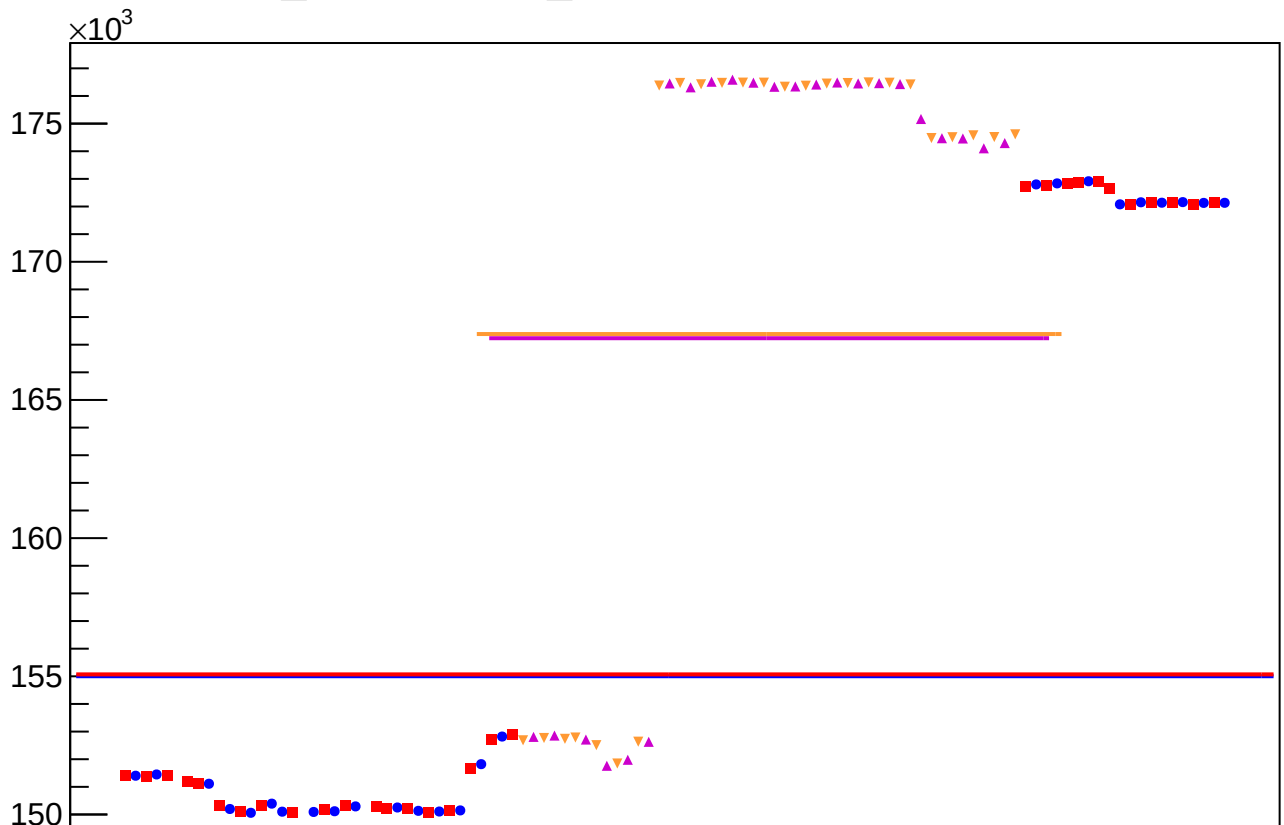
Left: 221.189+/-0.026 χ^2/NDF: 1384916.2/47

Right: 186.578+/-0.026 χ^2/NDF: 8132139.8/54

In: 206.411+/-0.027 χ^2/NDF:4802845.0/47

Out: 202.371+/-0.026 χ^2/NDF:5575437.0/54

All: 204.285+/-0.019 χ^2/NDF: 10390151.3/10



Right In: 155003.250+/-0.049 χ^2/NDF: 32604032517.1/24

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155069.740+/-0.045 χ^2/NDF: 38151226546.1/29

Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

Left: 167313.229+/-0.034 χ^2/NDF: 114706826739.

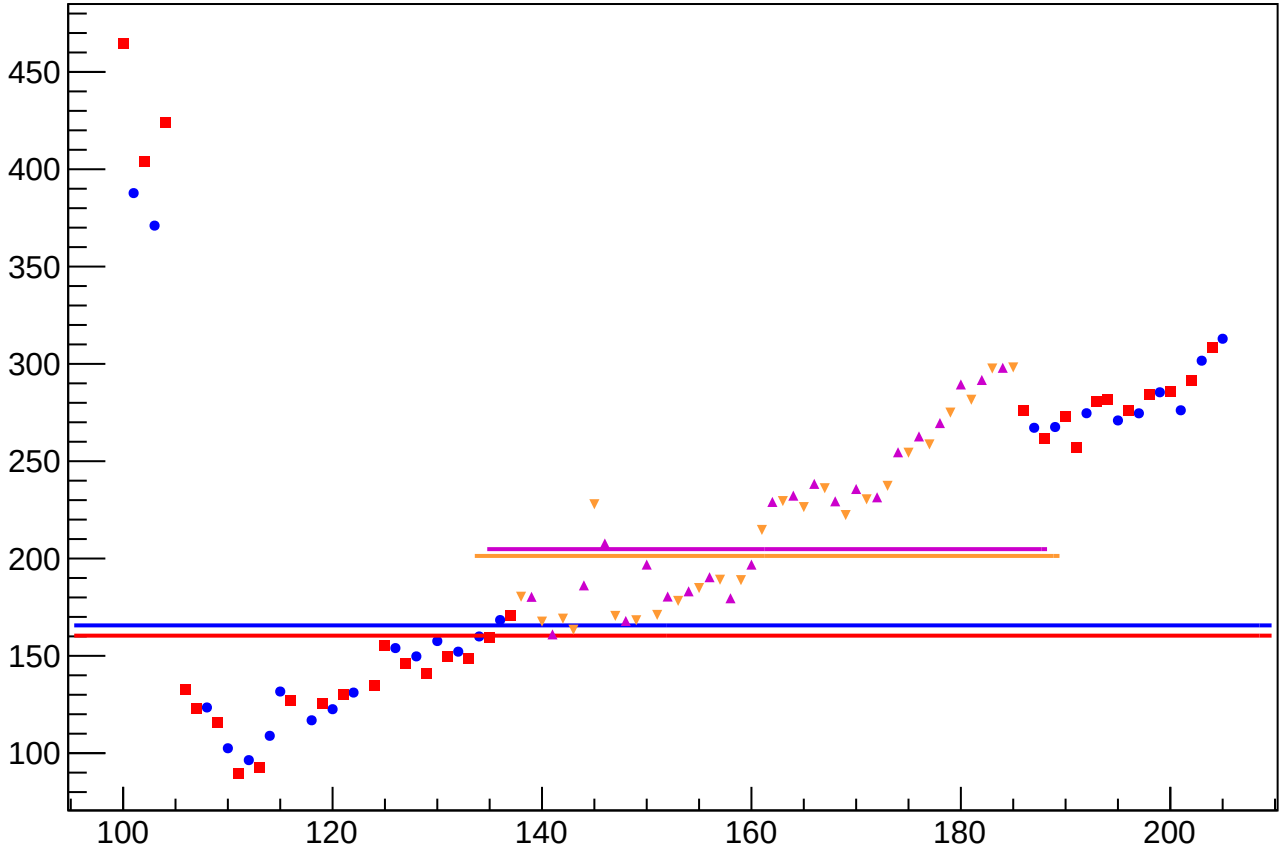
Right: 155038.825+/-0.033 χ^2/NDF: 70756255218.

In: 161101.080+/-0.035 χ^2/NDF:119112262111.7

Out: 161053.055+/-0.033 χ^2/NDF:133464098861.

All: 161075.685+/-0.024 χ^2/NDF: 25257738

yield_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 165.643+/-0.034 χ^2/NDF: 4363449.0/24

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

Right Out: 160.376+/-0.032 χ^2/NDF: 5292504.7/29

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

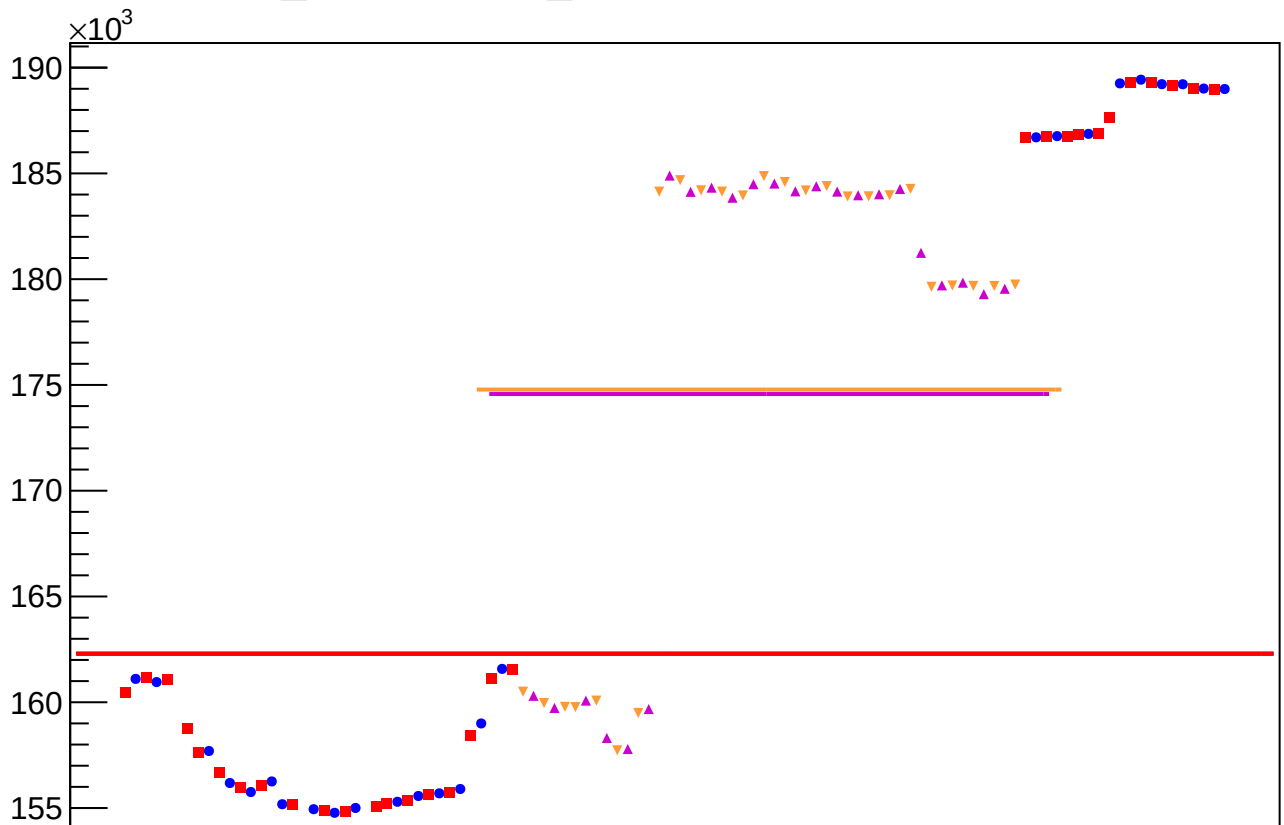
Left: 202.999+/-0.024 χ^2/NDF: 2289136.5/47

Right: 162.825+/-0.023 χ^2/NDF: 9668455.5/54

In: 185.178+/-0.024 χ^2/NDF:6061264.0/47

Out: 180.272+/-0.023 χ^2/NDF:7312851.6/54

All: 182.584+/-0.017 χ^2/NDF: 13395494.4/10



Right In: 162302.497+/-0.051 χ^2/NDF: 59266675517.9/24

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 162286.829+/-0.048 χ^2/NDF: 66508917144.5/29

Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

Left: 174679.876+/-0.035 χ^2/NDF: 112899724862.

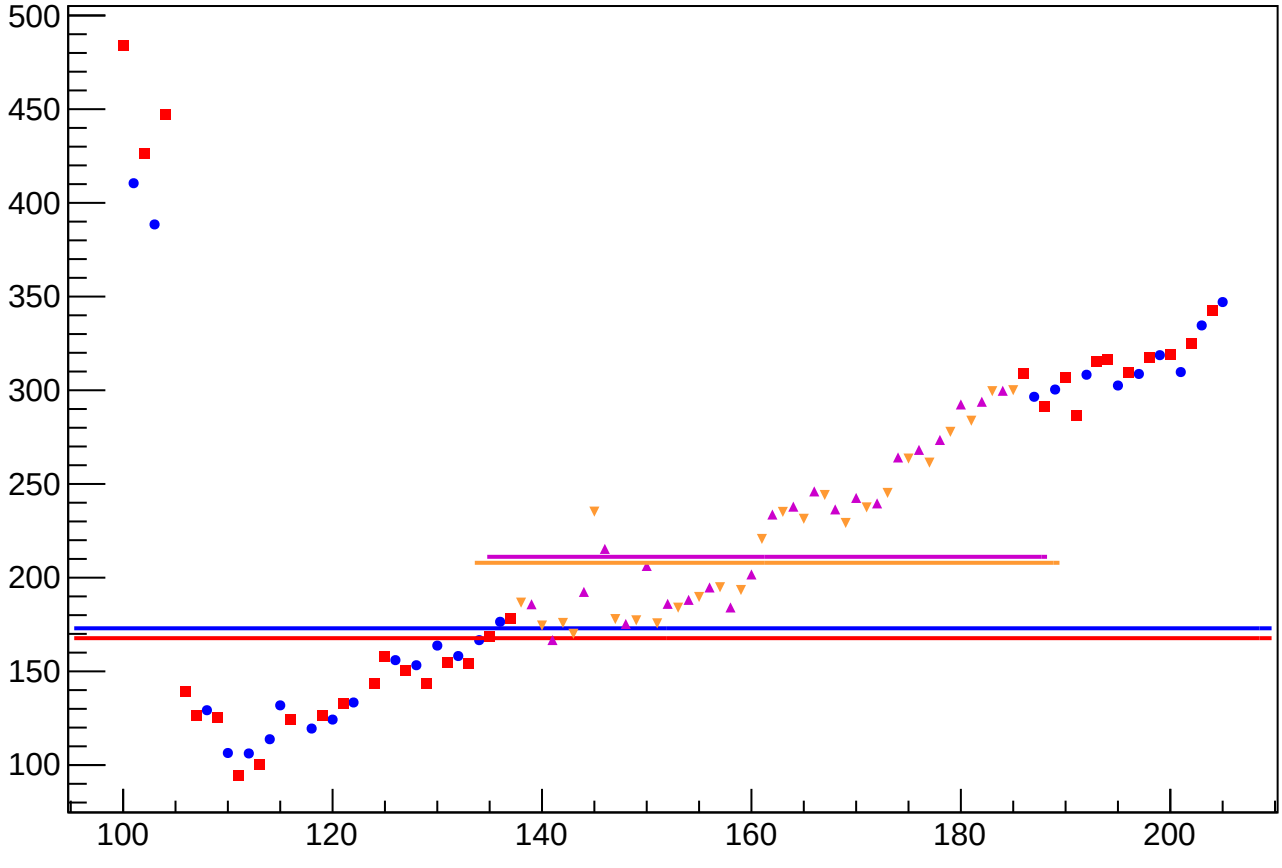
Right: 162294.125+/-0.035 χ^2/NDF: 12577564231

In: 168564.654+/-0.036 χ^2/NDF:143101506691.6

Out: 168505.143+/-0.034 χ^2/NDF:158381623808.

All: 168533.237+/-0.025 χ^2/NDF: 30148457

yield_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 172.987+/-0.036 χ^2/NDF: 4813105.5/24

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 167.713+/-0.034 χ^2/NDF: 5792808.0/29

Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

Left: 209.467+/-0.025 χ^2/NDF: 2130047.7/47

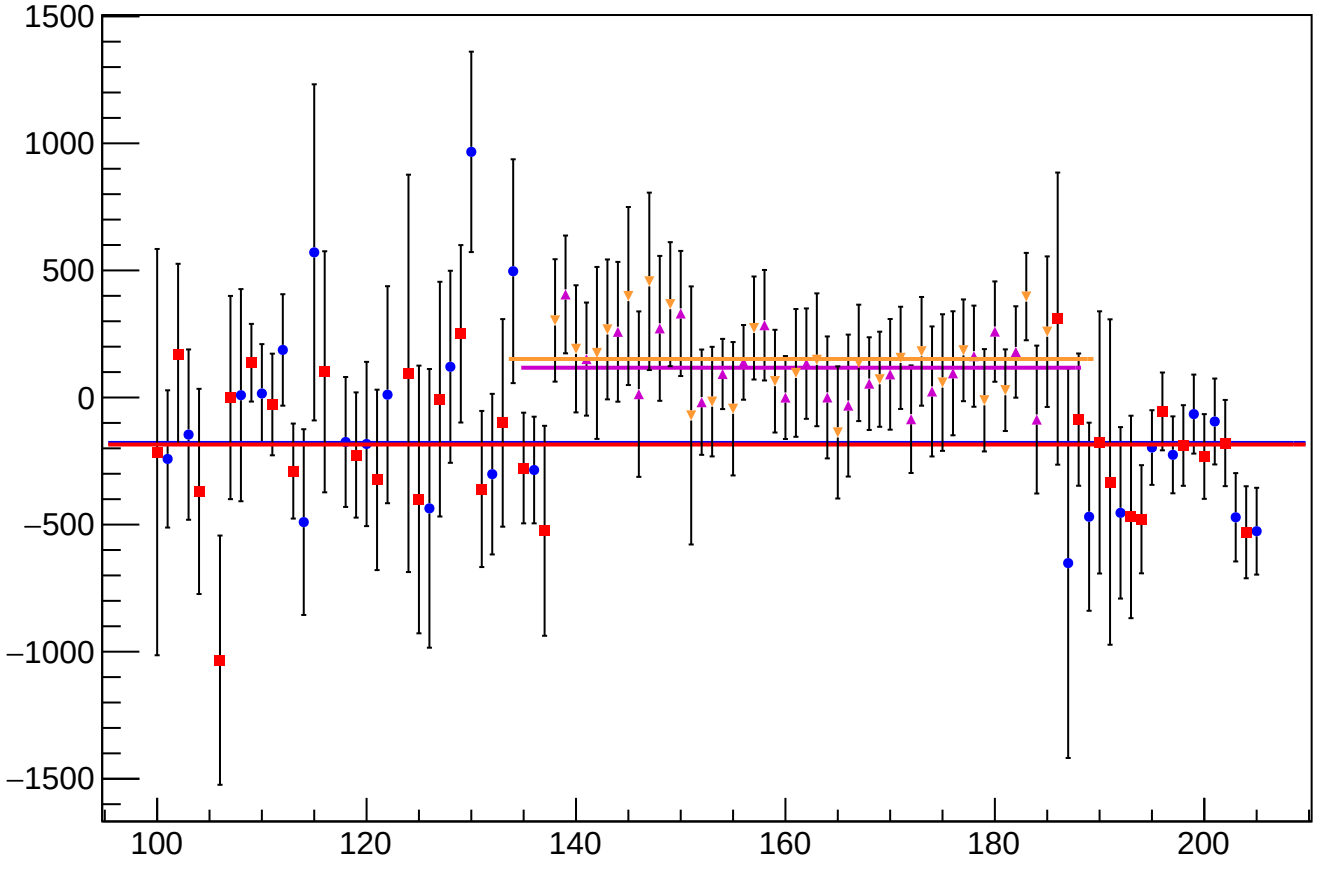
Right: 170.169+/-0.025 χ^2/NDF: 10617164.8/54

In: 192.460+/-0.025 χ^2/NDF:6369128.5/47

Out: 187.734+/-0.024 χ^2/NDF:7624472.4/54

All: 189.965+/-0.017 χ^2/NDF: 14011828.6/10

asym_bcm_target_mean vs Slug, Sign Corrected



Right In: -178.738+/-48.673 χ^2/NDF: 27.8/24

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -184.940+/-47.183 χ^2/NDF: 21.4/29

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

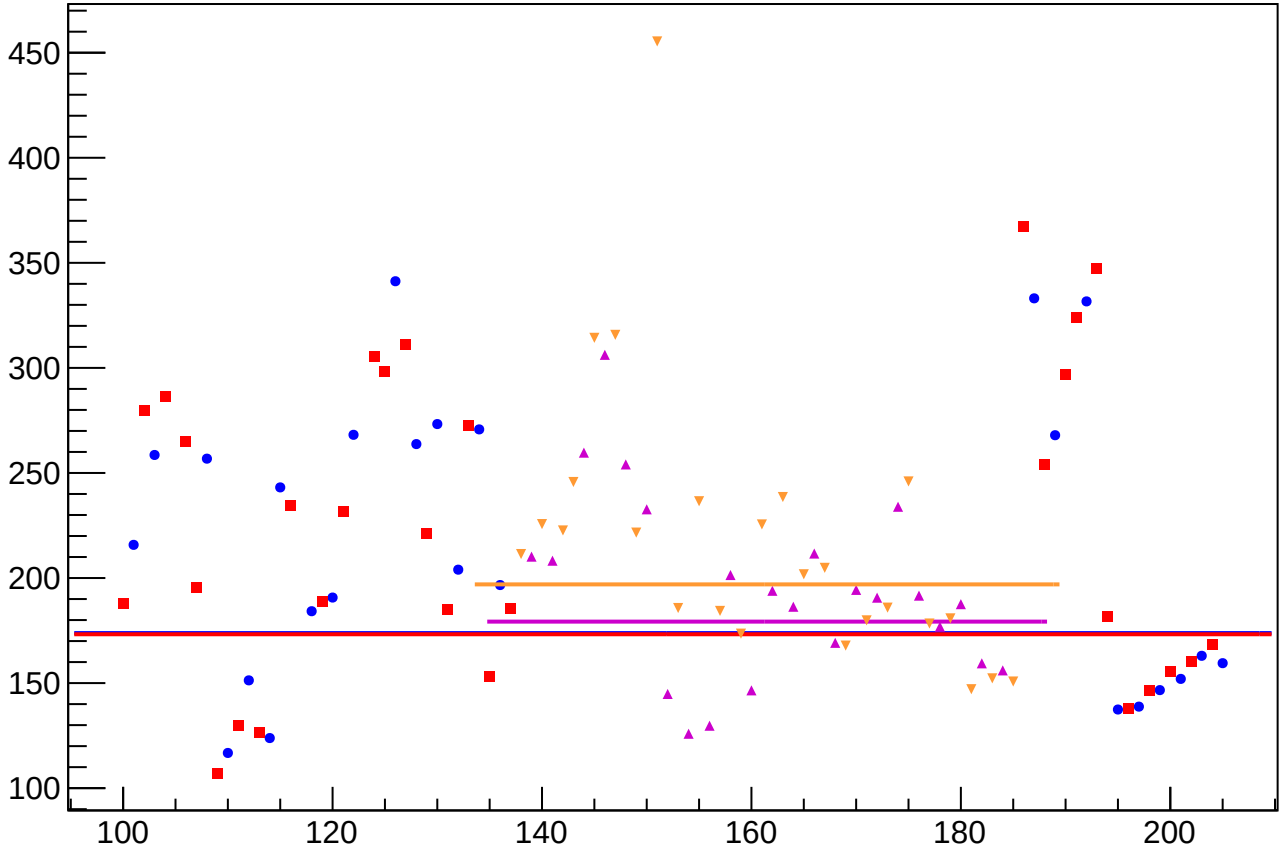
Right: -181.935+/-33.878 χ^2/NDF: 49.2/54

In: -15.164+/-32.549 χ^2/NDF:55.7/47

Out: -13.923+/-33.090 χ^2/NDF:56.8/54

All: -14.554+/-23.205 χ^2/NDF: 112.6/102

asym_bcm_target_rms vs Slug, Sign Corrected



Right In: 173.790+/-0.034 χ^2/NDF: 2180689.6/24

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.239+/-0.033 χ^2/NDF: 2862576.2/29

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

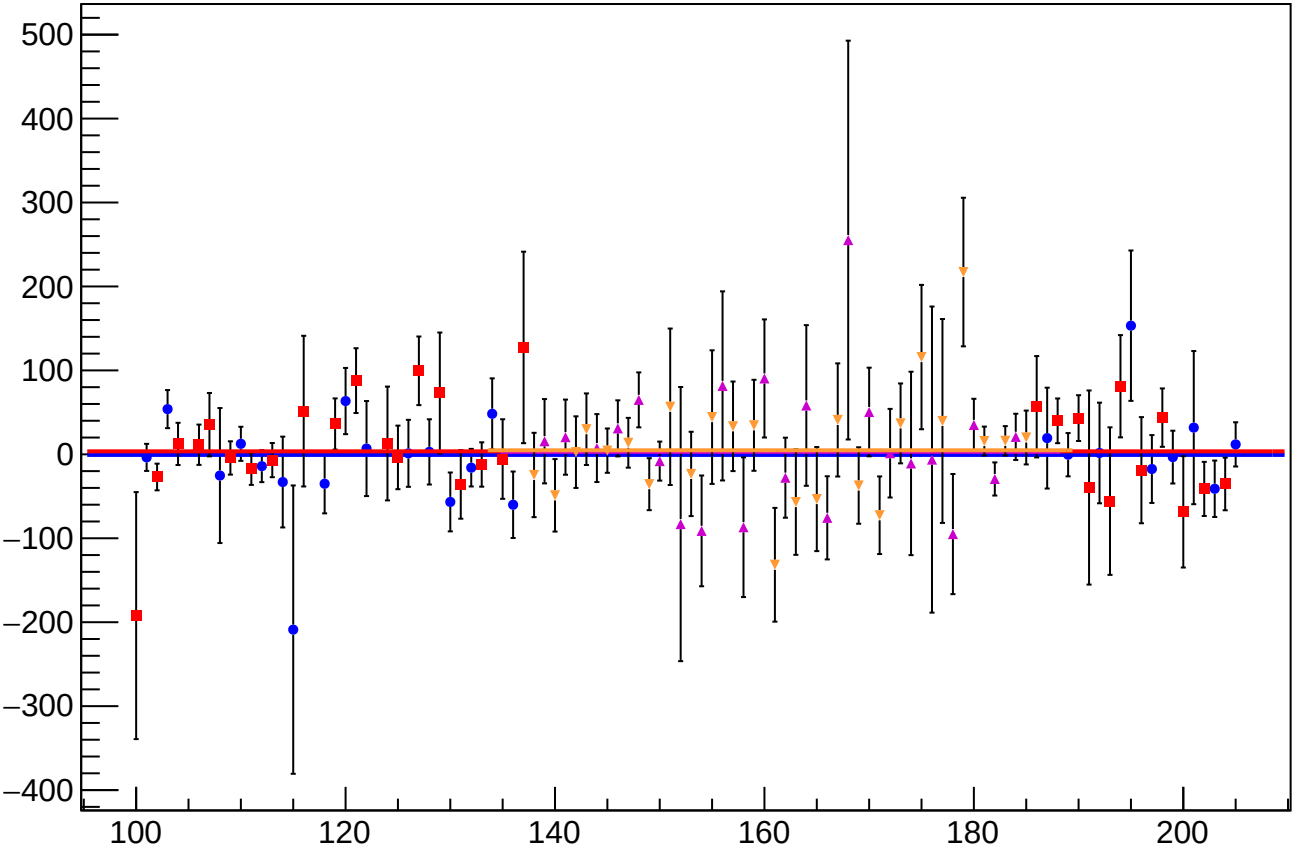
Right: 173.506+/-0.024 χ^2/NDF: 5043398.0/54

In: 176.812+/-0.023 χ^2/NDF:3850655.3/47

Out: 185.301+/-0.023 χ^2/NDF:4929095.2/54

All: 180.986+/-0.016 χ^2/NDF: 8846652.7/102

asym_bcm_an_diff_mean vs Slug, Sign Corrected



Right In: -0.677+/-6.348 χ^2/NDF: 23.9/24

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: 3.574+/-5.911 χ^2/NDF: 36.3/29

Left In: 2.918+/-8.840 χ^2/NDF:21.5/22

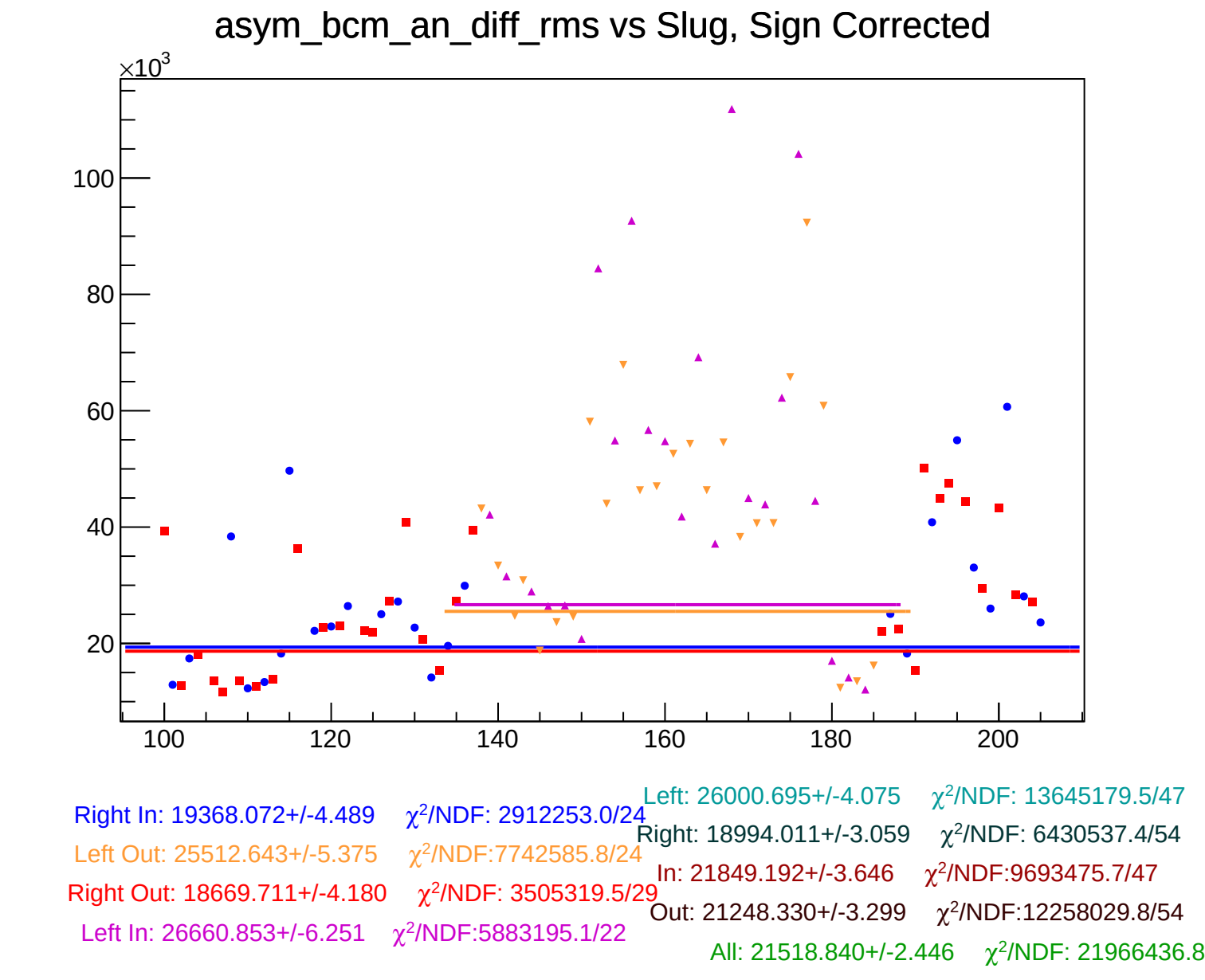
Left: 4.002+/-5.763 χ^2/NDF: 45.9/47

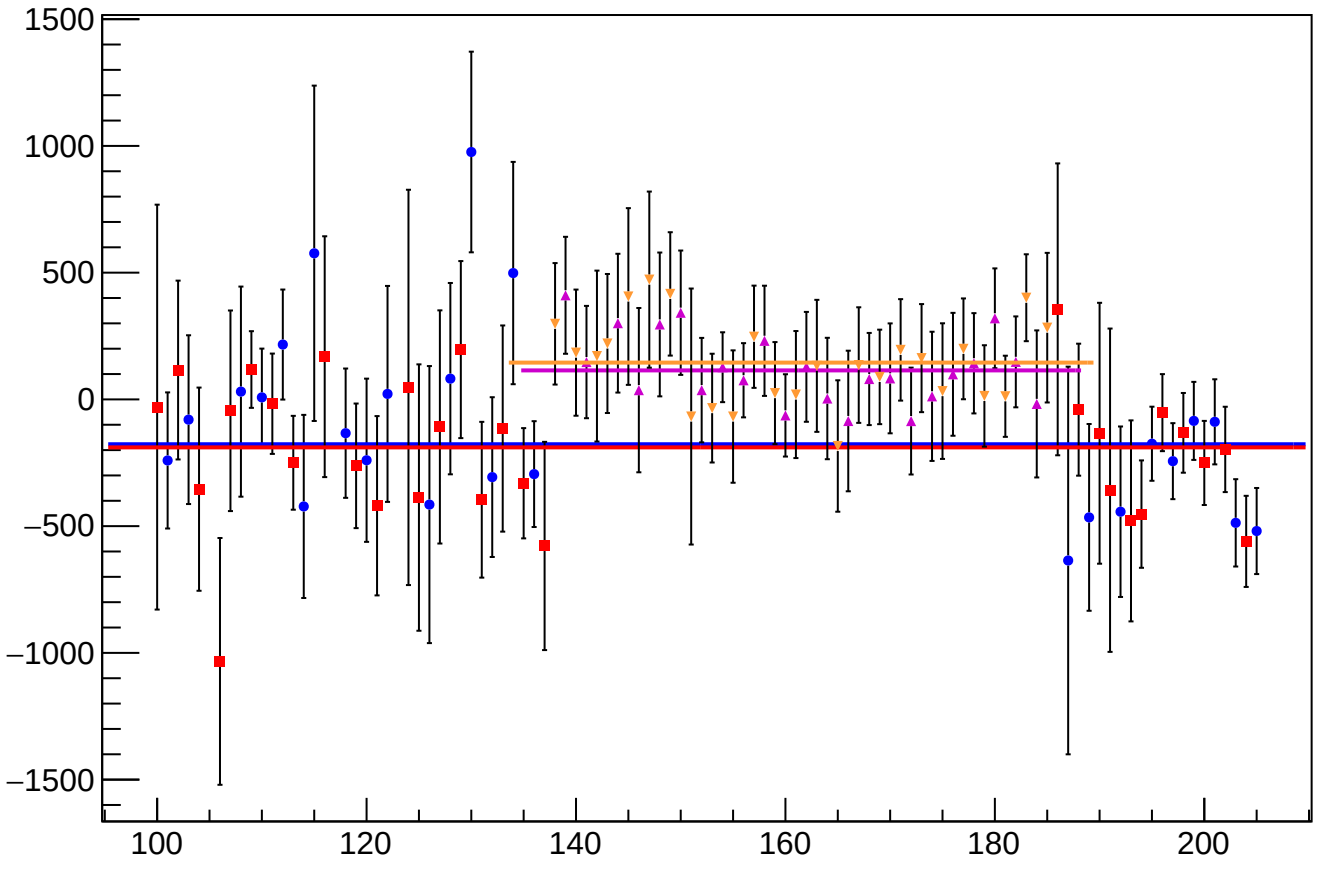
Right: 1.600+/-4.326 χ^2/NDF: 60.4/54

In: 0.547+/-5.156 χ^2/NDF:45.5/47

Out: 4.037+/-4.666 χ^2/NDF:60.6/54

All: 2.466+/-3.460 χ^2/NDF: 106.4/102


asym_bcm_an_diff_rms vs Slug, Sign Corrected
×10^3
100
80
60
40
20
100
120
140
160
180
200
Right In: 19368.072+/-4.489 χ²/NDF: 2912253.0/24
Left Out: 25512.643+/-5.375 χ²/NDF:7742585.8/24
Right Out: 18669.711+/-4.180 χ²/NDF: 3505319.5/29
Left In: 26660.853+/-6.251 χ²/NDF:5883195.1/22
Left: 26000.695+/-4.075 χ²/NDF: 13645179.5/47
Right: 18994.011+/-3.059 χ²/NDF: 6430537.4/54
In: 21849.192+/-3.646 χ²/NDF:9693475.7/47
Out: 21248.330+/-3.299 χ²/NDF:12258029.8/54
All: 21518.840+/-2.446 χ²/NDF: 21966436.8



Right In: -176.925+/-48.351 χ^2/NDF: 28.4/24

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: -189.306+/-46.896 χ^2/NDF: 22.2/29

Left In: 114.400+/-43.619 χ^2/NDF:8.4/22

Left: 128.894+/-31.725 χ^2/NDF: 19.8/47

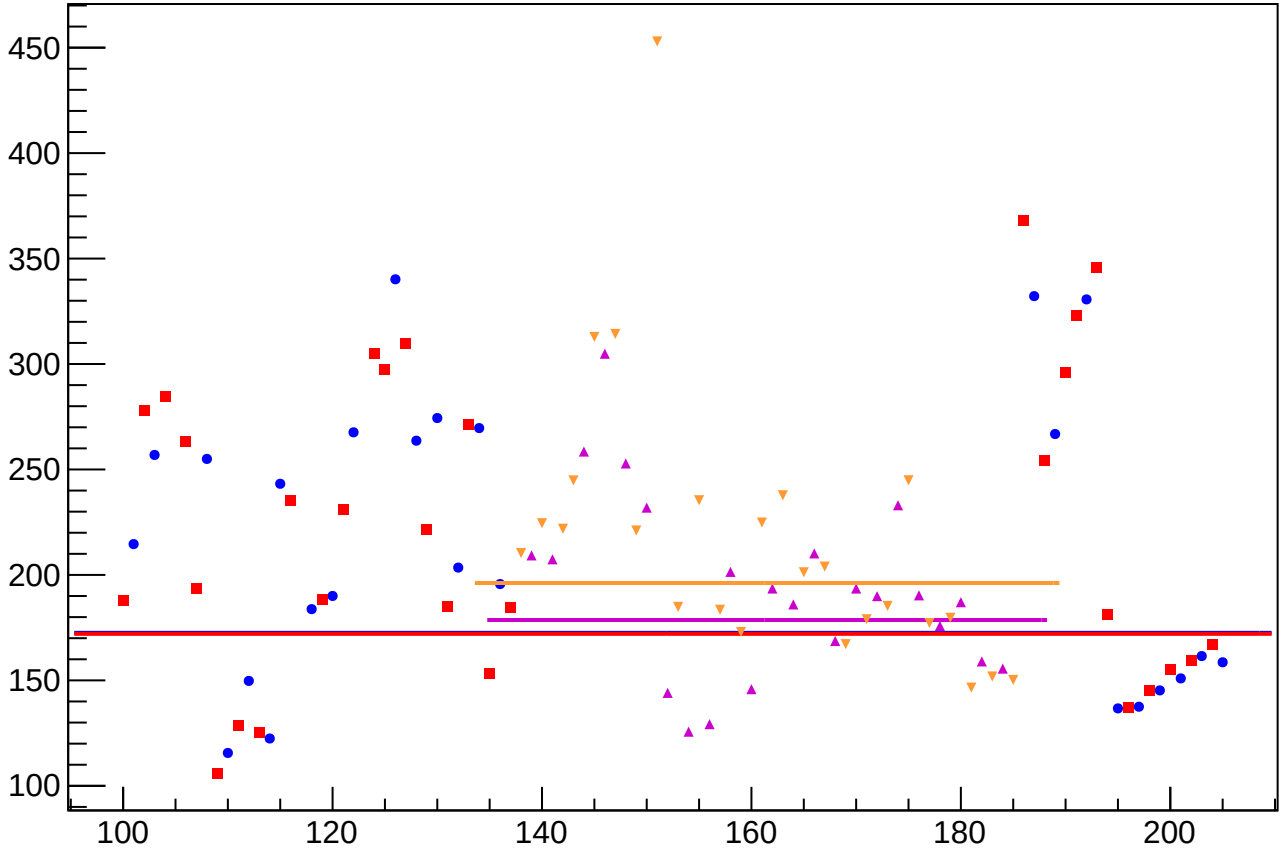
Right: -183.304+/-33.663 χ^2/NDF: 50.6/54

In: -16.315+/-32.387 χ^2/NDF:56.8/47

Out: -19.657+/-32.921 χ^2/NDF:59.2/54

All: -17.959+/-23.088 χ^2/NDF: 116.0/102

asym_bcm_an_ds_rms vs Slug, Sign Corrected



Right In: 172.539+/-0.034 χ^2/NDF: 2210970.6/24

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 172.072+/-0.033 χ^2/NDF: 2899677.2/29

Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

Left: 186.885+/-0.022 χ^2/NDF: 3611152.5/47

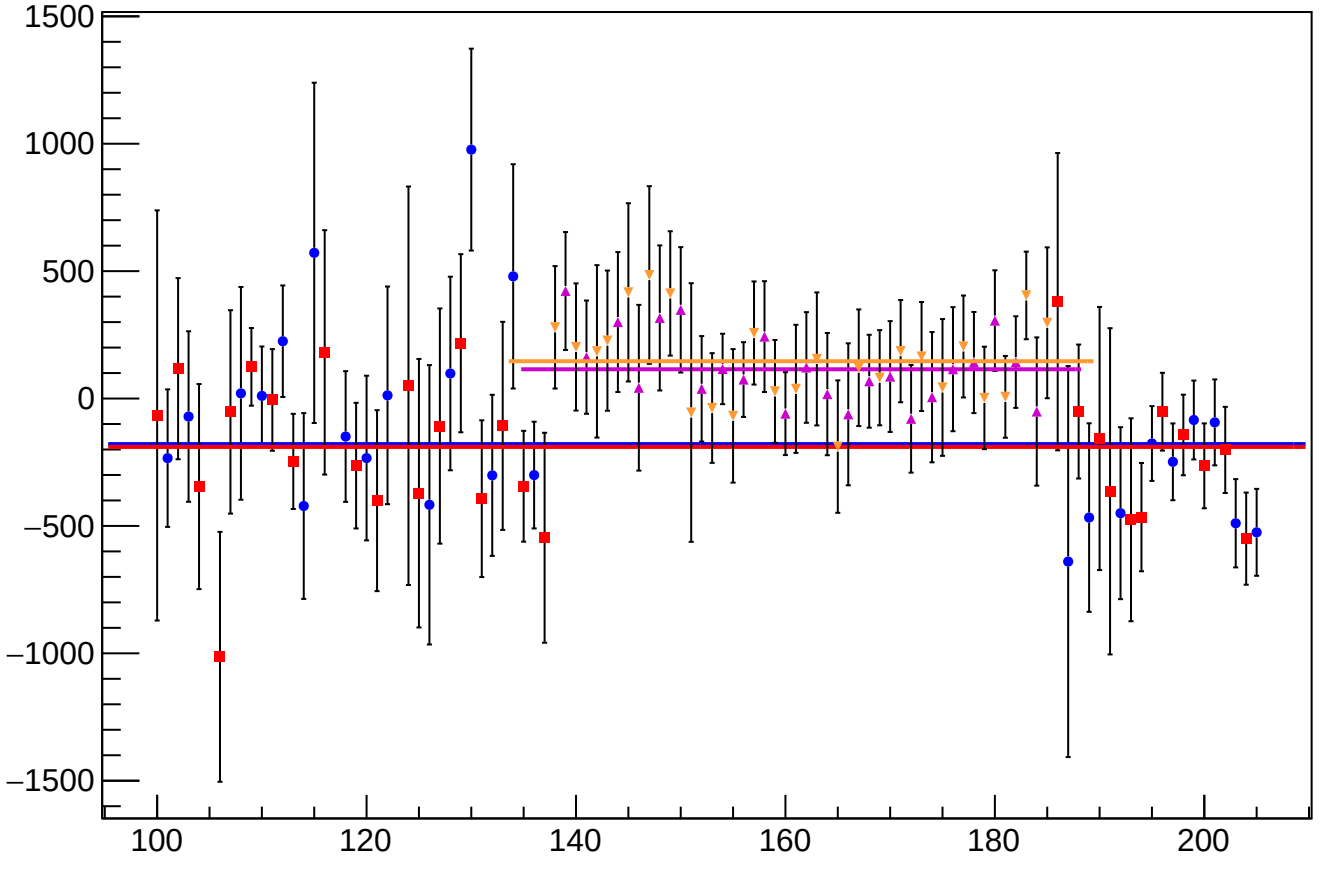
Right: 172.298+/-0.024 χ^2/NDF: 5110743.7/54

In: 175.892+/-0.023 χ^2/NDF:3880290.5/47

Out: 184.292+/-0.023 χ^2/NDF:4974298.5/54

All: 180.024+/-0.016 χ^2/NDF: 8920767.2/102

asym_bcm_an_ds3_mean vs Slug, Sign Corrected



Right In: -178.813+/-48.599 χ^2/NDF: 28.4/24

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: -189.918+/-47.143 χ^2/NDF: 22.0/29

Left In: 114.807+/-43.740 χ^2/NDF:8.4/22

Left: 129.688+/-31.821 χ^2/NDF: 20.1/47

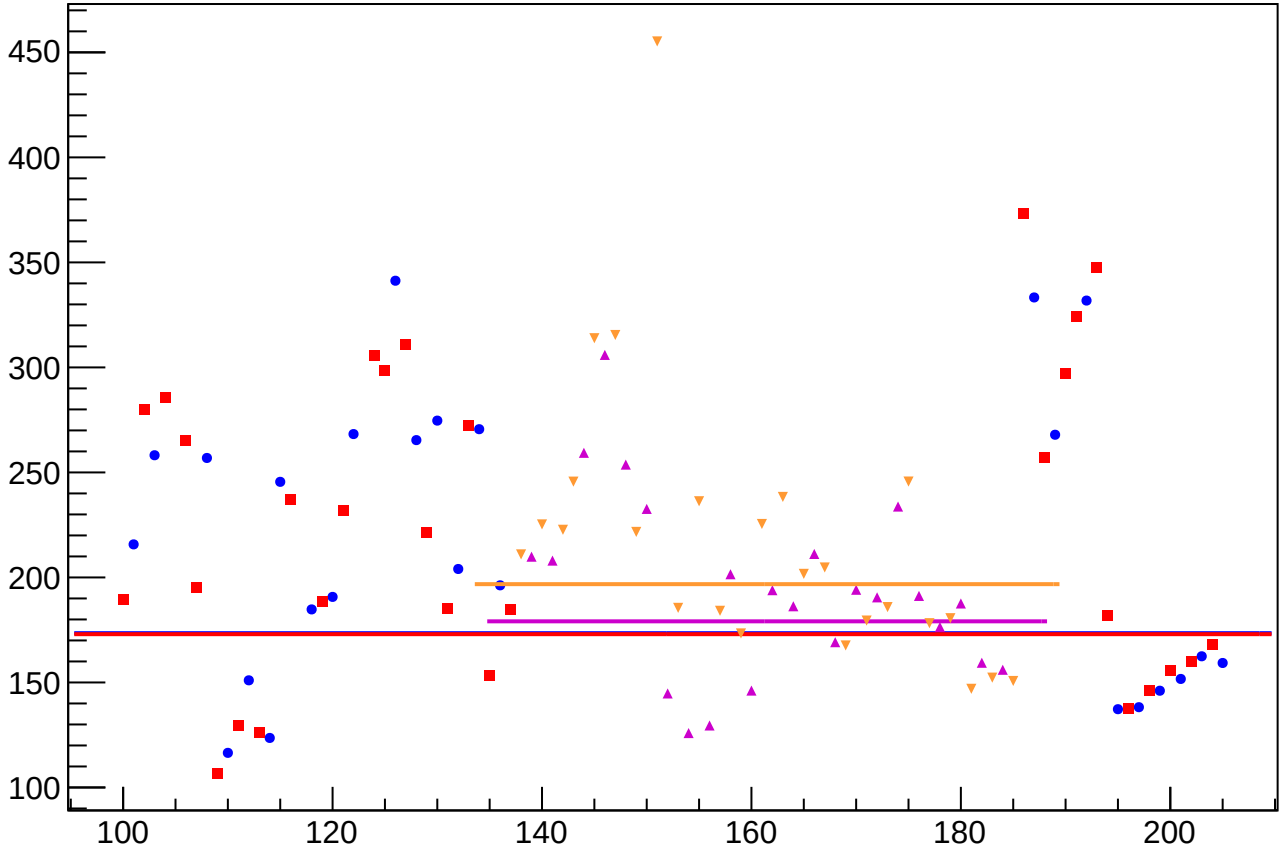
Right: -184.534+/-33.838 χ^2/NDF: 50.5/54

In: -16.597+/-32.512 χ^2/NDF:57.0/47

Out: -19.003+/-33.062 χ^2/NDF:59.3/54

All: -17.779+/-23.181 χ^2/NDF: 116.3/102

asym_bcm_an_ds3_rms vs Slug, Sign Corrected



Right In: 173.456+/-0.034 χ^2/NDF: 2201299.8/24

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 172.986+/-0.033 χ^2/NDF: 2895929.3/29

Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

Left: 187.435+/-0.023 χ^2/NDF: 3618723.6/47

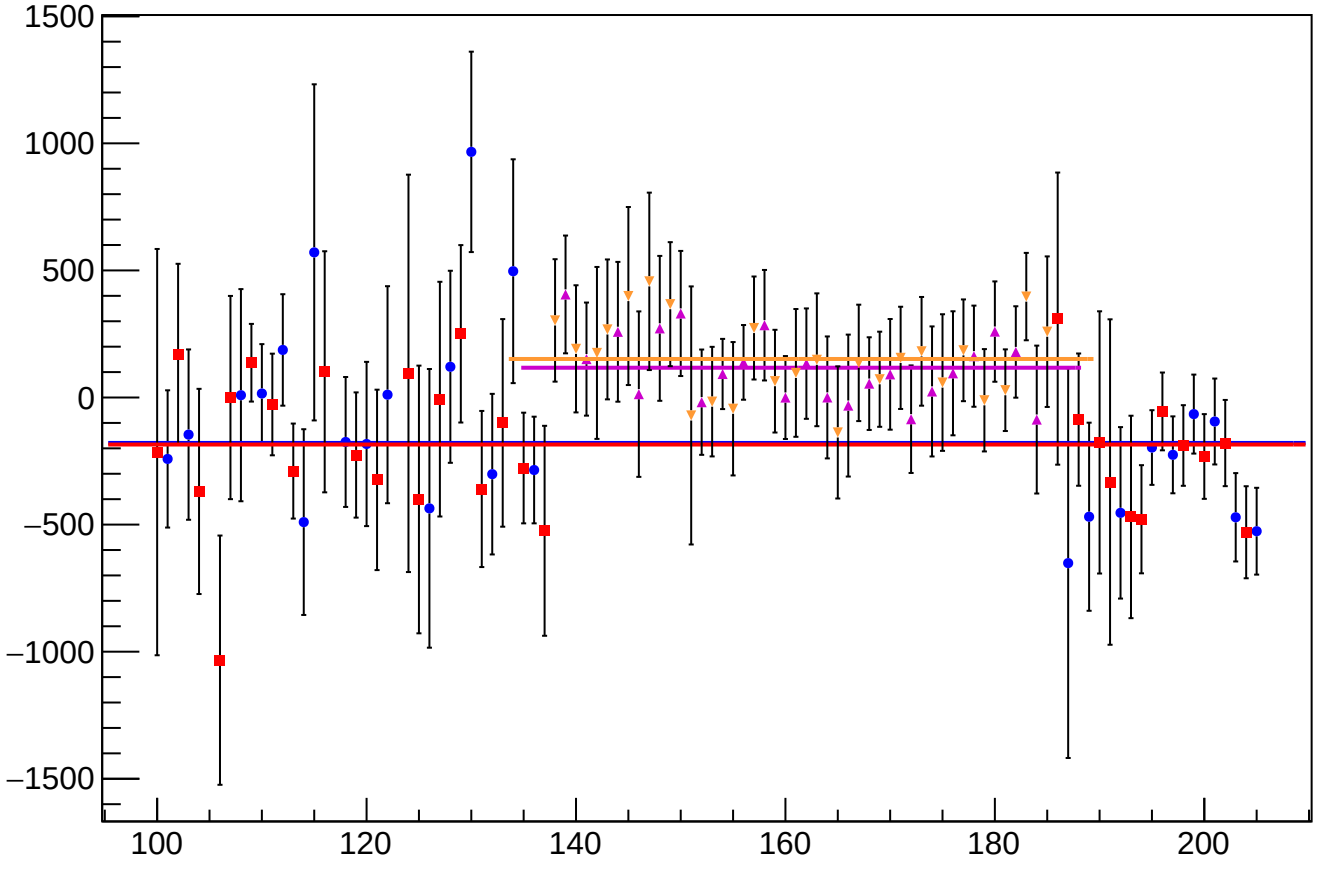
Right: 173.214+/-0.024 χ^2/NDF: 5097325.3/54

In: 176.574+/-0.023 χ^2/NDF:3872075.2/47

Out: 185.090+/-0.023 χ^2/NDF:4963995.8/54

All: 180.761+/-0.016 χ^2/NDF: 8903529.7/102

asym_bcm_an_us_mean vs Slug, Sign Corrected



Right In: -178.738+/-48.673 χ^2/NDF: 27.8/24

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: -184.940+/-47.183 χ^2/NDF: 21.4/29

Left In: 117.163+/-43.778 χ^2/NDF:7.5/22

Left: 133.373+/-31.848 χ^2/NDF: 17.4/47

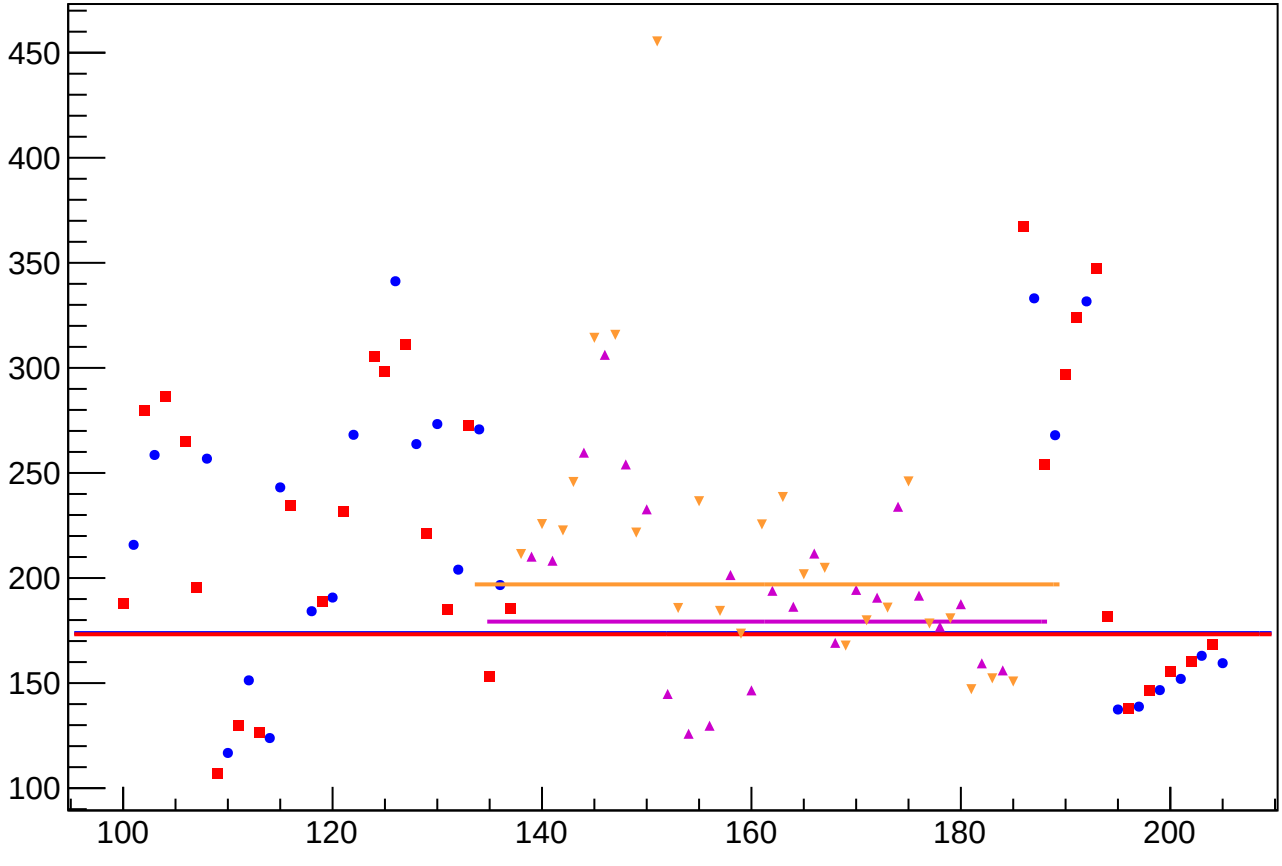
Right: -181.935+/-33.878 χ^2/NDF: 49.2/54

In: -15.164+/-32.549 χ^2/NDF:55.7/47

Out: -13.923+/-33.090 χ^2/NDF:56.8/54

All: -14.554+/-23.205 χ^2/NDF: 112.6/102

asym_bcm_an_us_rms vs Slug, Sign Corrected



Right In: 173.790+/-0.034 χ^2/NDF: 2180689.6/24

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 173.239+/-0.033 χ^2/NDF: 2862576.2/29

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

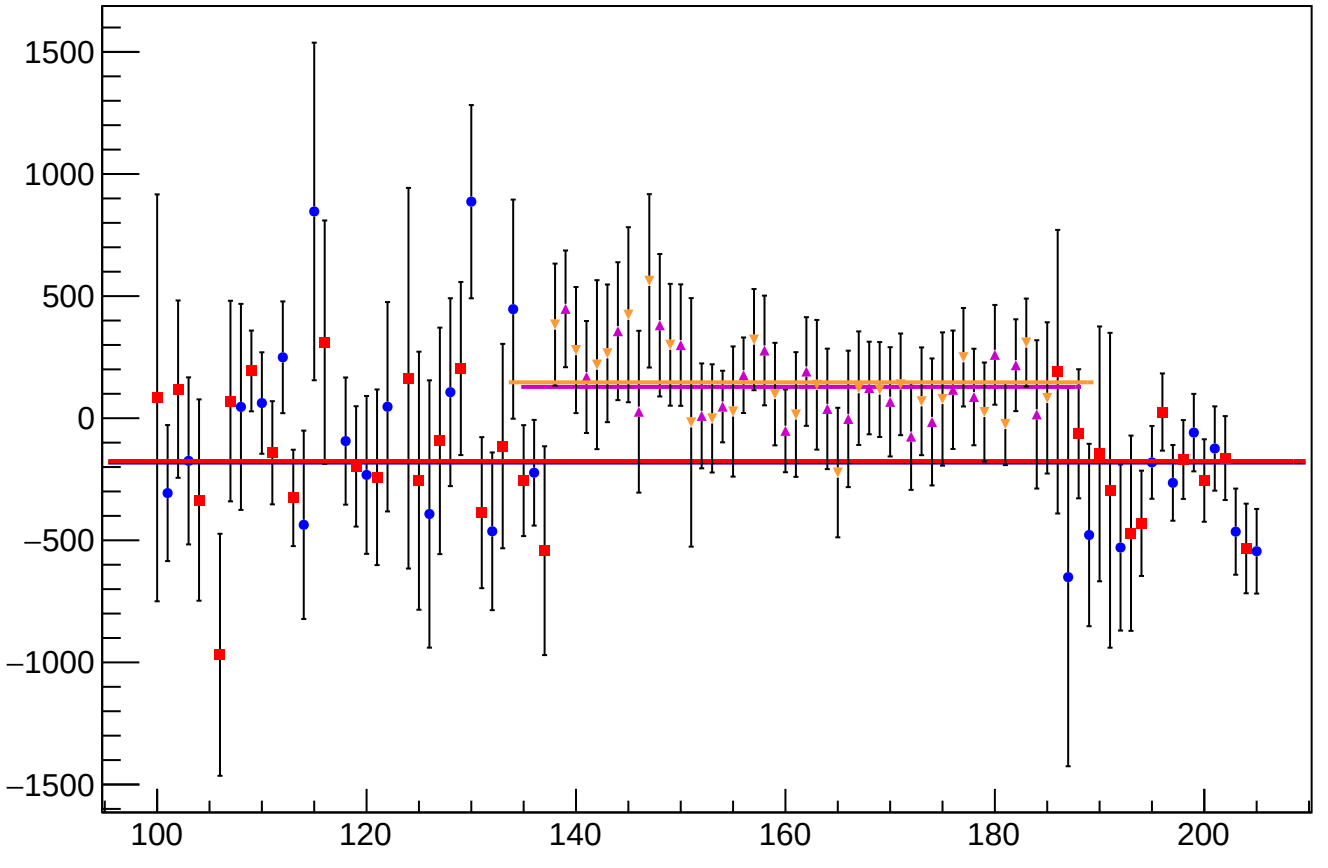
Left: 187.597+/-0.023 χ^2/NDF: 3619571.5/47

Right: 173.506+/-0.024 χ^2/NDF: 5043398.0/54

In: 176.812+/-0.023 χ^2/NDF:3850655.3/47

Out: 185.301+/-0.023 χ^2/NDF:4929095.2/54

All: 180.986+/-0.016 χ^2/NDF: 8846652.7/102



Right In: -181.677+/-49.813 χ^2/NDF: 29.3/24

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: -175.328+/-48.521 χ^2/NDF: 21.4/29

Left In: 128.159+/-45.200 χ^2/NDF:8.6/22

Left: 137.058+/-32.812 χ^2/NDF: 18.8/47

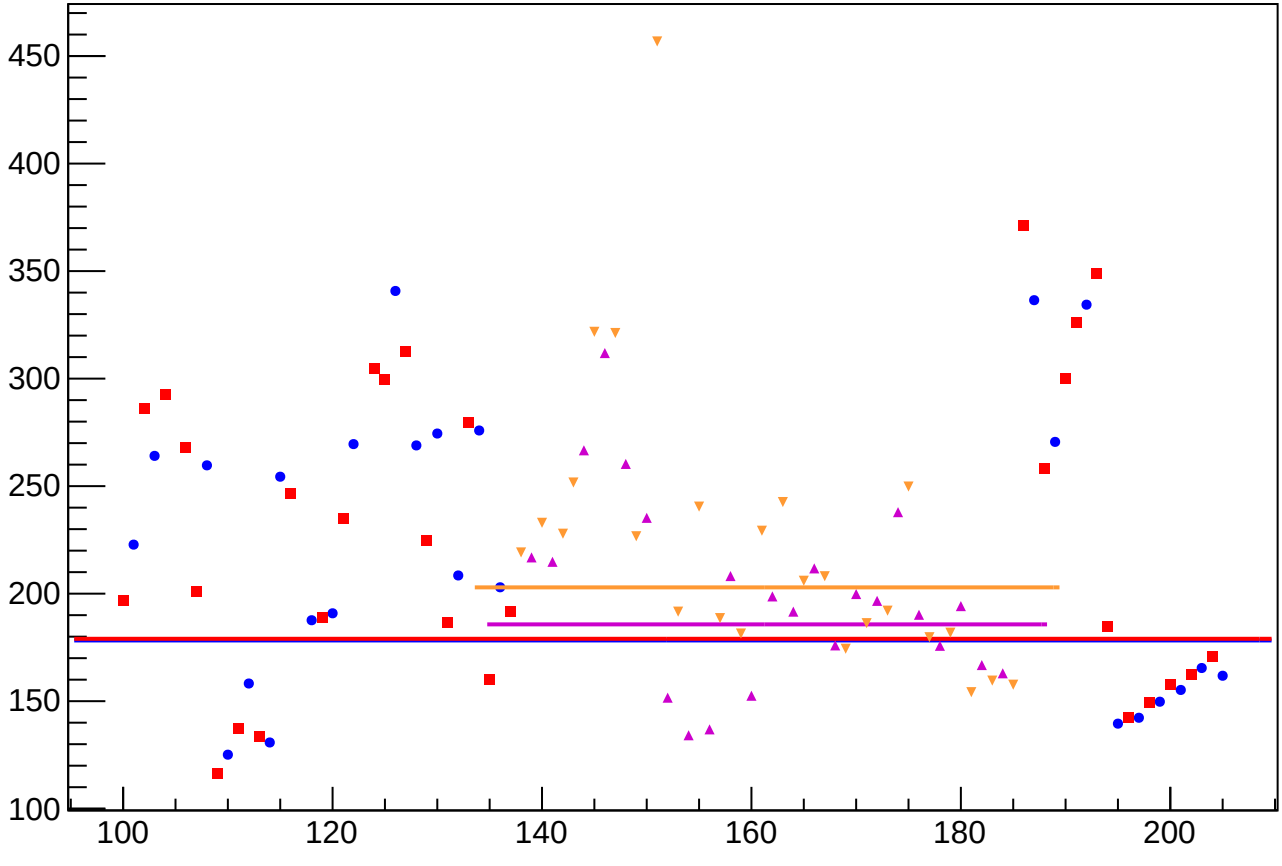
Right: -178.419+/-34.757 χ^2/NDF: 50.6/54

In: -11.750+/-33.474 χ^2/NDF:59.0/47

Out: -11.458+/-34.019 χ^2/NDF:54.0/54

All: -11.606+/-23.860 χ^2/NDF: 113.0/102

asym_bcm_dg_us_rms vs Slug, Sign Corrected



Right In: 178.243+/-0.035 χ^2/NDF: 2090619.6/24

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 179.013+/-0.034 χ^2/NDF: 2645141.5/29

Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

Left: 193.854+/-0.023 χ^2/NDF: 3326661.1/47

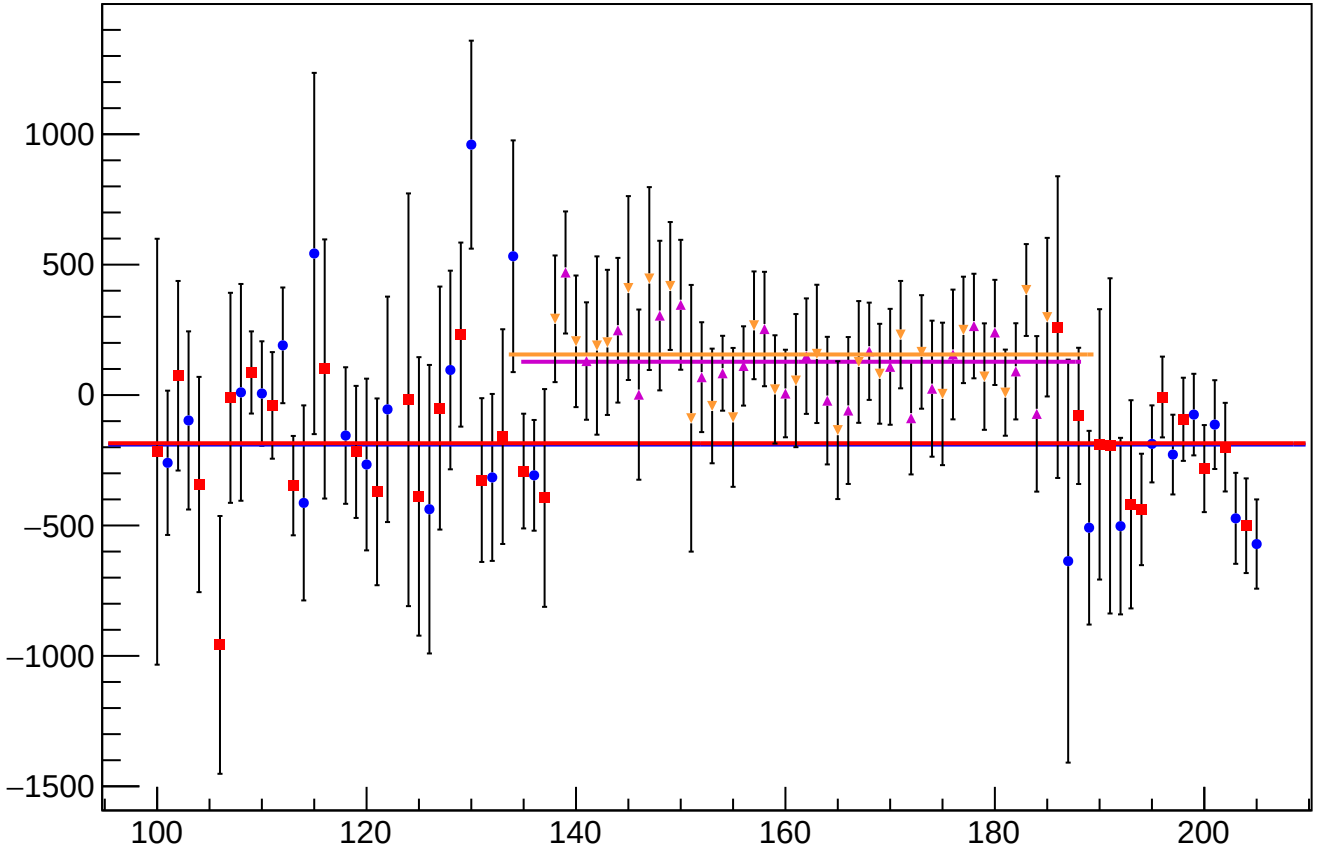
Right: 178.638+/-0.025 χ^2/NDF: 4736006.3/54

In: 182.341+/-0.024 χ^2/NDF:3604793.7/47

Out: 191.168+/-0.024 χ^2/NDF:4592131.4/54

All: 186.684+/-0.017 χ^2/NDF: 8265339.2/102

asym_bcm_dg_ds_mean vs Slug, Sign Corrected



Right In: -189.768+/-49.187 χ^2/NDF: 28.4/24

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: -184.685+/-47.749 χ^2/NDF: 18.0/29

Left In: 127.660+/-44.698 χ^2/NDF:8.0/22

Left: 140.872+/-32.475 χ^2/NDF: 18.8/47

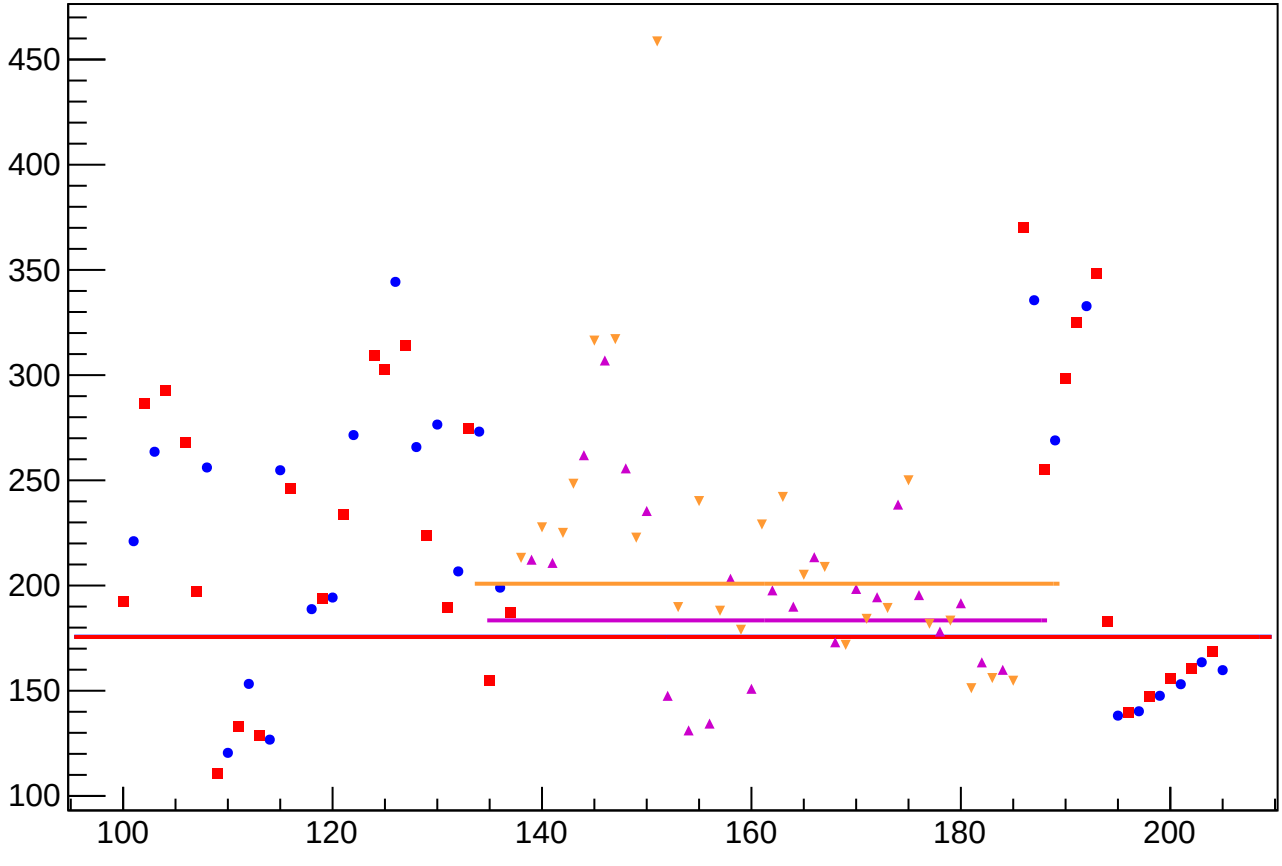
Right: -187.151+/-34.261 χ^2/NDF: 46.4/54

In: -15.911+/-33.080 χ^2/NDF:59.2/47

Out: -12.781+/-33.590 χ^2/NDF:54.3/54

All: -14.370+/-23.569 χ^2/NDF: 113.5/102

asym_bcm_dg_ds_rms vs Slug, Sign Corrected



Right In: 175.685+/-0.035 χ^2/NDF: 2174857.4/24

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 175.538+/-0.034 χ^2/NDF: 2820921.3/29

Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

Left: 191.663+/-0.023 χ^2/NDF: 3401689.7/47

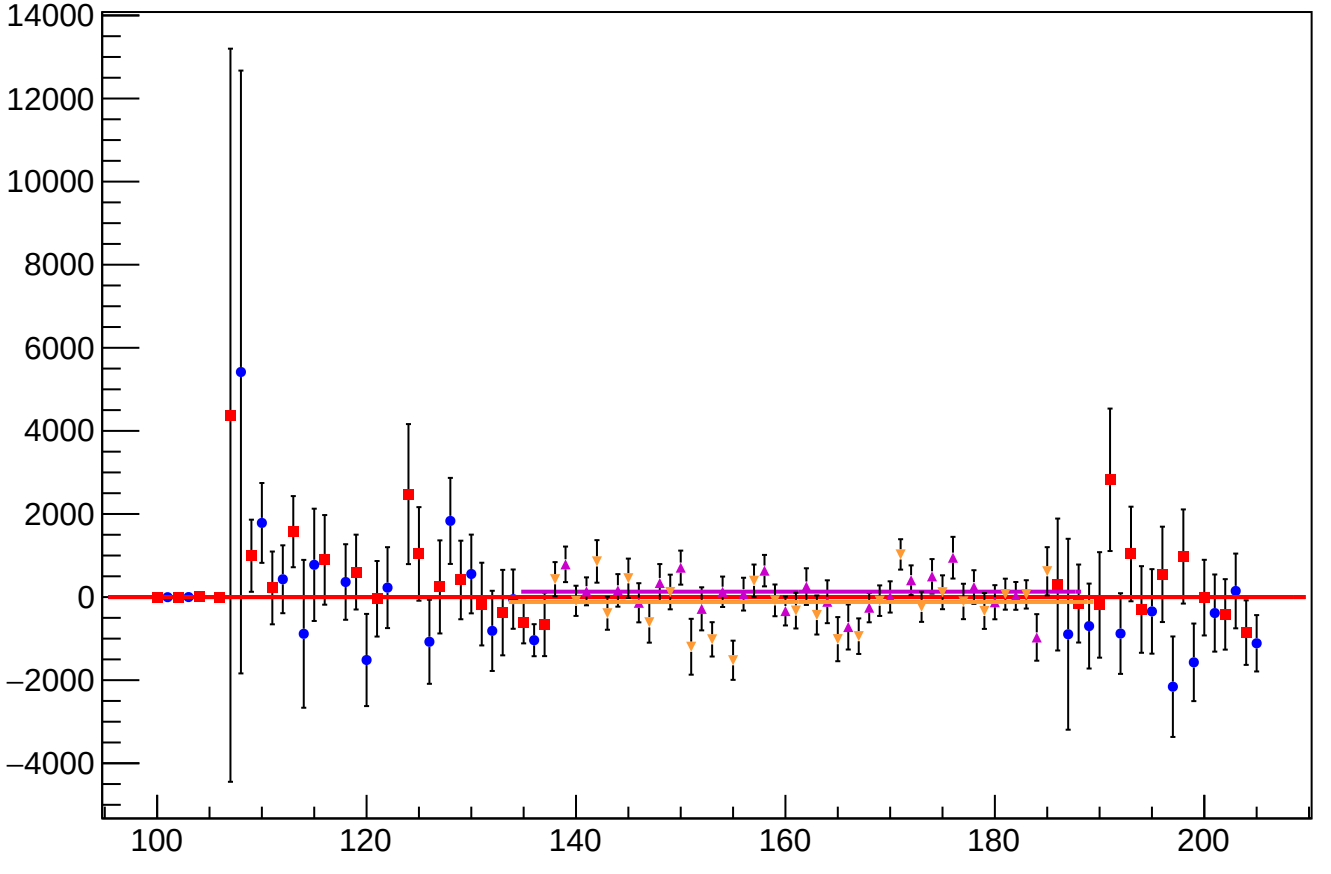
Right: 175.609+/-0.024 χ^2/NDF: 4995787.9/54

In: 179.929+/-0.023 χ^2/NDF:3732717.1/47

Out: 188.331+/-0.024 χ^2/NDF:4832541.9/54

All: 184.065+/-0.017 χ^2/NDF: 8628779.6/102

asym_cav4bQ_mean vs Slug, Sign Corrected



Right In: -1.277+/-2.171 χ^2/NDF: 30.3/24

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: 1.379+/-2.022 χ^2/NDF: 23.0/29

Left In: 129.738+/-85.075 χ^2/NDF:21.7/22

Left: 4.773+/-59.848 χ^2/NDF: 72.3/47

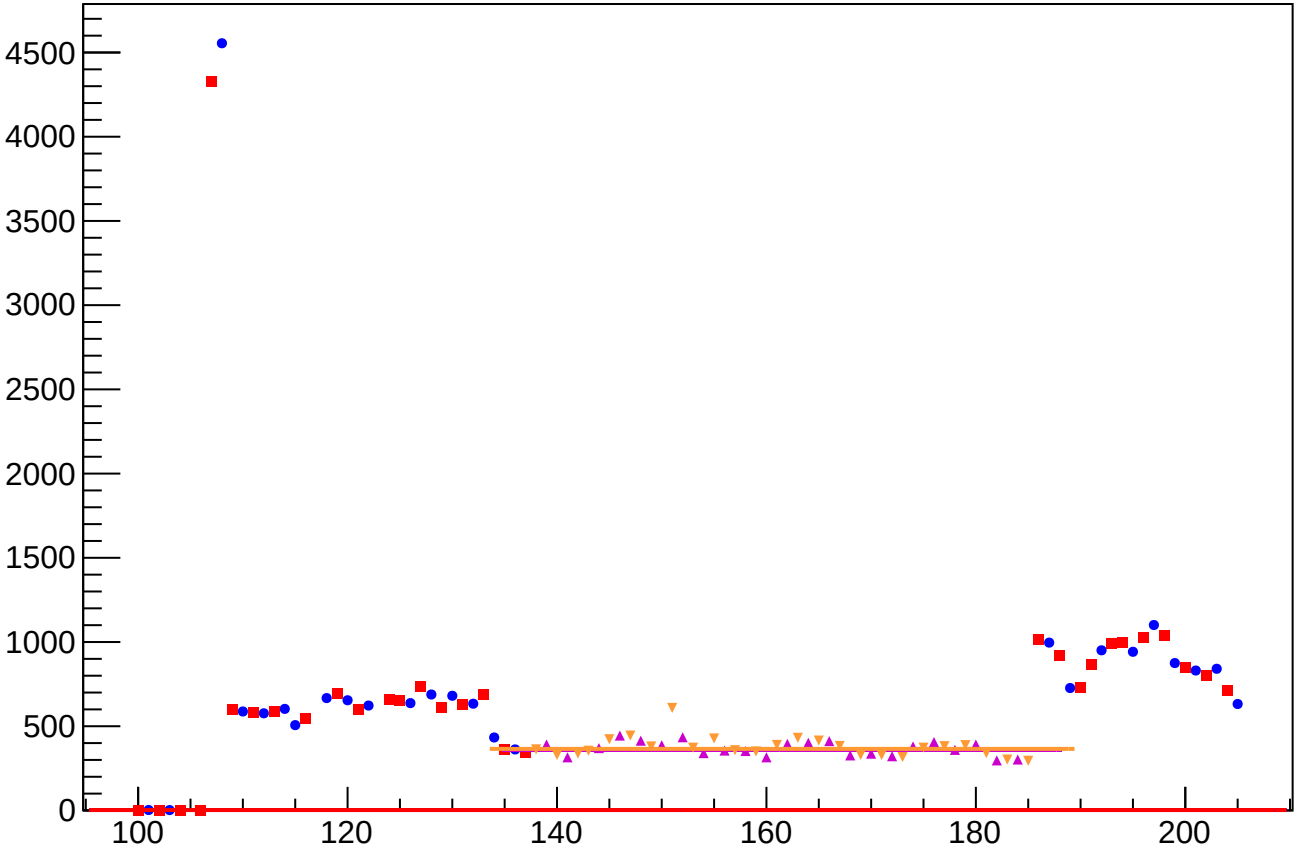
Right: 0.145+/-1.480 χ^2/NDF: 54.1/54

In: -1.192+/-2.170 χ^2/NDF:54.4/47

Out: 1.311+/-2.022 χ^2/NDF:71.4/54

All: 0.148+/-1.479 χ^2/NDF: 126.4/102

asym_cav4bQ_rms vs Slug, Sign Corrected



Right In: 2.514+/-0.002 χ^2/NDF: 25069500.1/24

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.498+/-0.001 χ^2/NDF: 27178020.6/29

Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

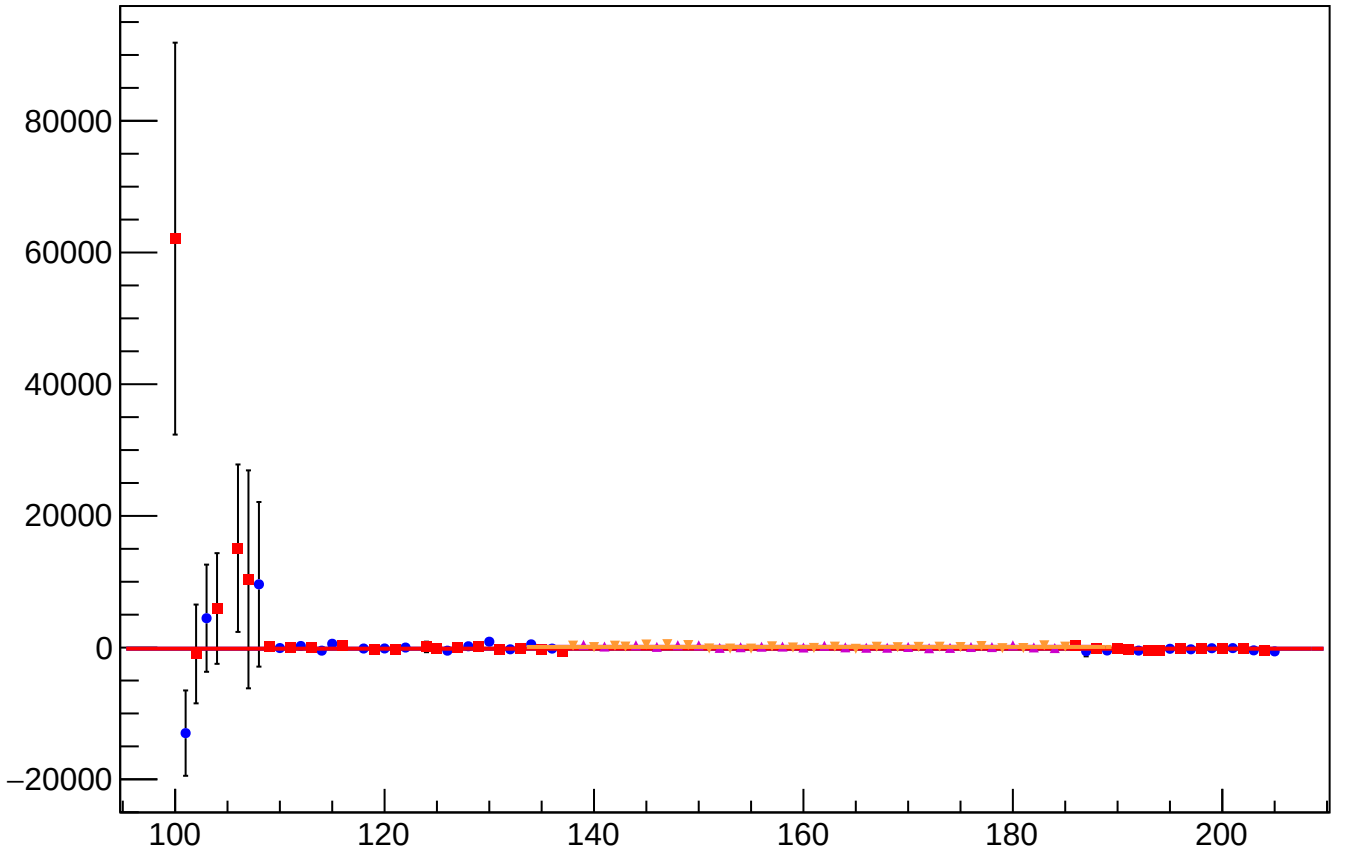
Left: 362.347+/-0.042 χ^2/NDF: 1120429.0/47

Right: 2.505+/-0.001 χ^2/NDF: 52247579.0/54

In: 2.746+/-0.002 χ^2/NDF:60614388.0/47

Out: 2.707+/-0.001 χ^2/NDF:65011863.2/54

All: 2.725+/-0.001 χ^2/NDF: 125626591.3/102



Right In: -170.275+/-53.985 χ^2/NDF: 29.5/24

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: -162.259+/-53.163 χ^2/NDF: 21.7/29

Left In: 119.345+/-46.957 χ^2/NDF:9.3/22

Left: 109.741+/-33.651 χ^2/NDF: 22.1/47

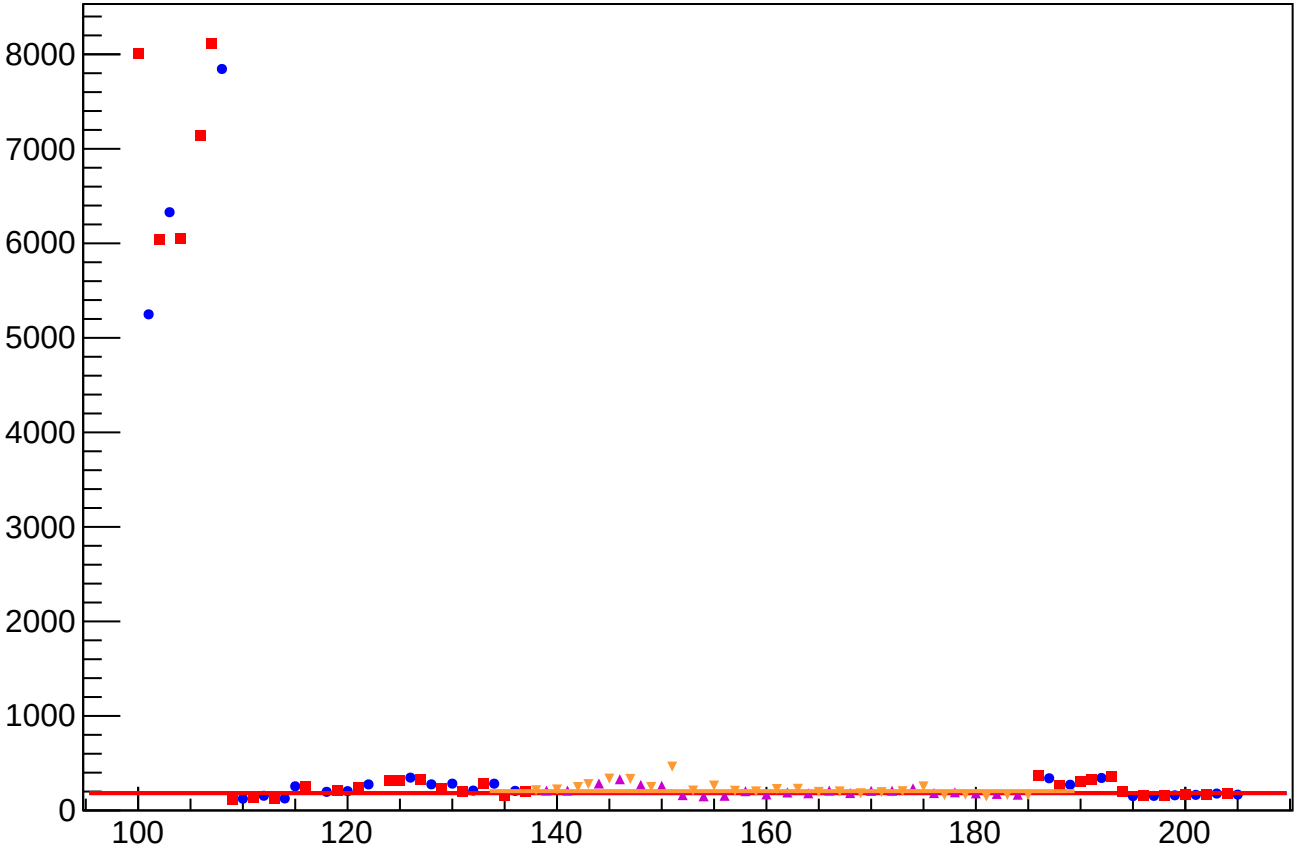
Right: -166.205+/-37.879 χ^2/NDF: 51.2/54

In: -5.398+/-35.430 χ^2/NDF:55.2/47

Out: -18.672+/-35.729 χ^2/NDF:47.7/54

All: -11.979+/-25.158 χ^2/NDF: 103.0/102

asym_cav4cQ_rms vs Slug, Sign Corrected



Right In: 182.855+/-0.038 χ^2/NDF: 4835415.5/24

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 184.528+/-0.038 χ^2/NDF: 5502333.9/29

Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

Left: 199.093+/-0.024 χ^2/NDF: 3217084.5/47

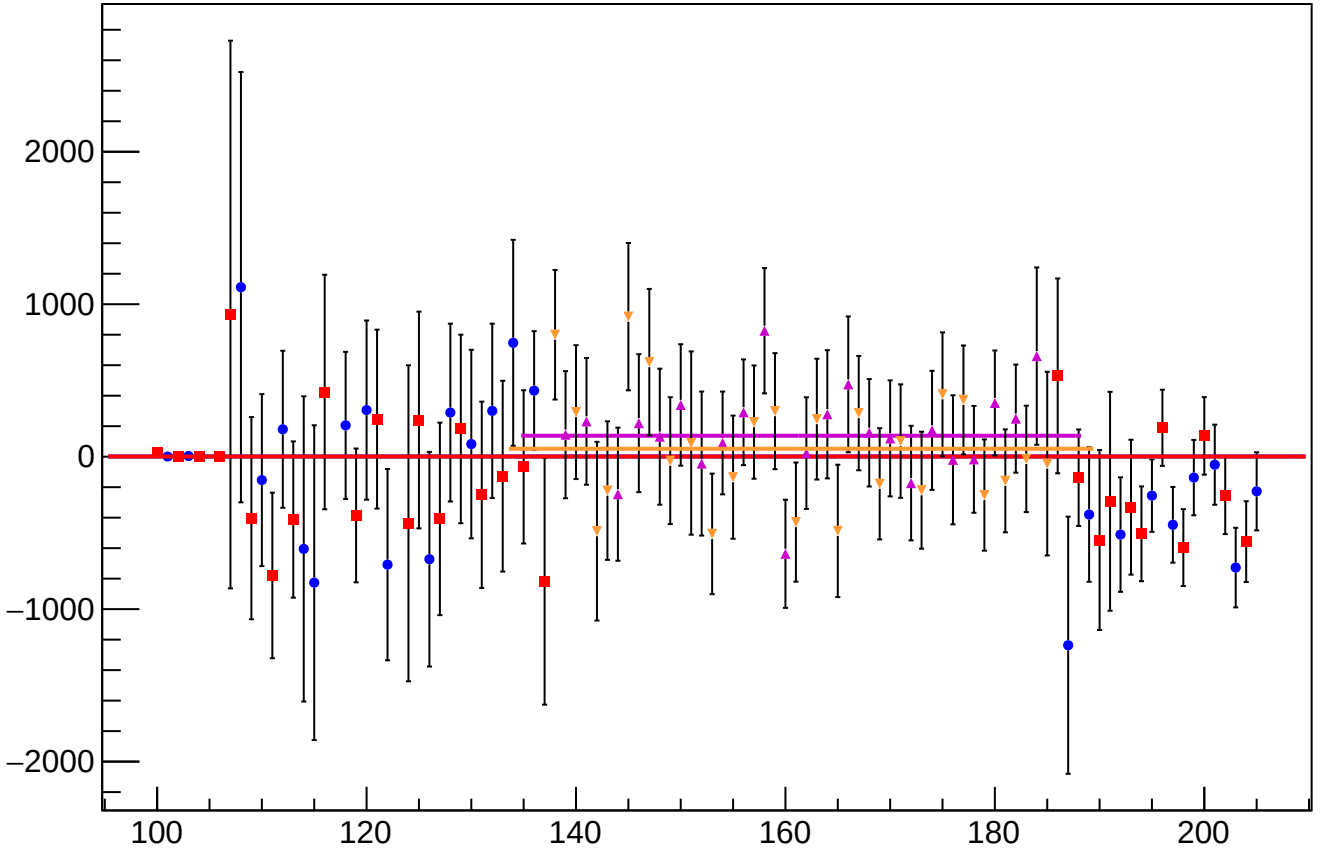
Right: 183.704+/-0.027 χ^2/NDF: 10338725.1/54

In: 189.140+/-0.025 χ^2/NDF:6074626.0/47

Out: 195.524+/-0.025 χ^2/NDF:7633477.7/54

All: 192.305+/-0.018 χ^2/NDF: 13740298.3/10

asym_cav4dQ_mean vs Slug, Sign Corrected



Right In: 1.355+/-1.660 χ^2/NDF: 26.0/24

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: 1.034+/-1.528 χ^2/NDF: 26.2/29

Left In: 137.399+/-82.111 χ^2/NDF:12.2/22

Left: 94.324+/-57.864 χ^2/NDF: 32.2/47

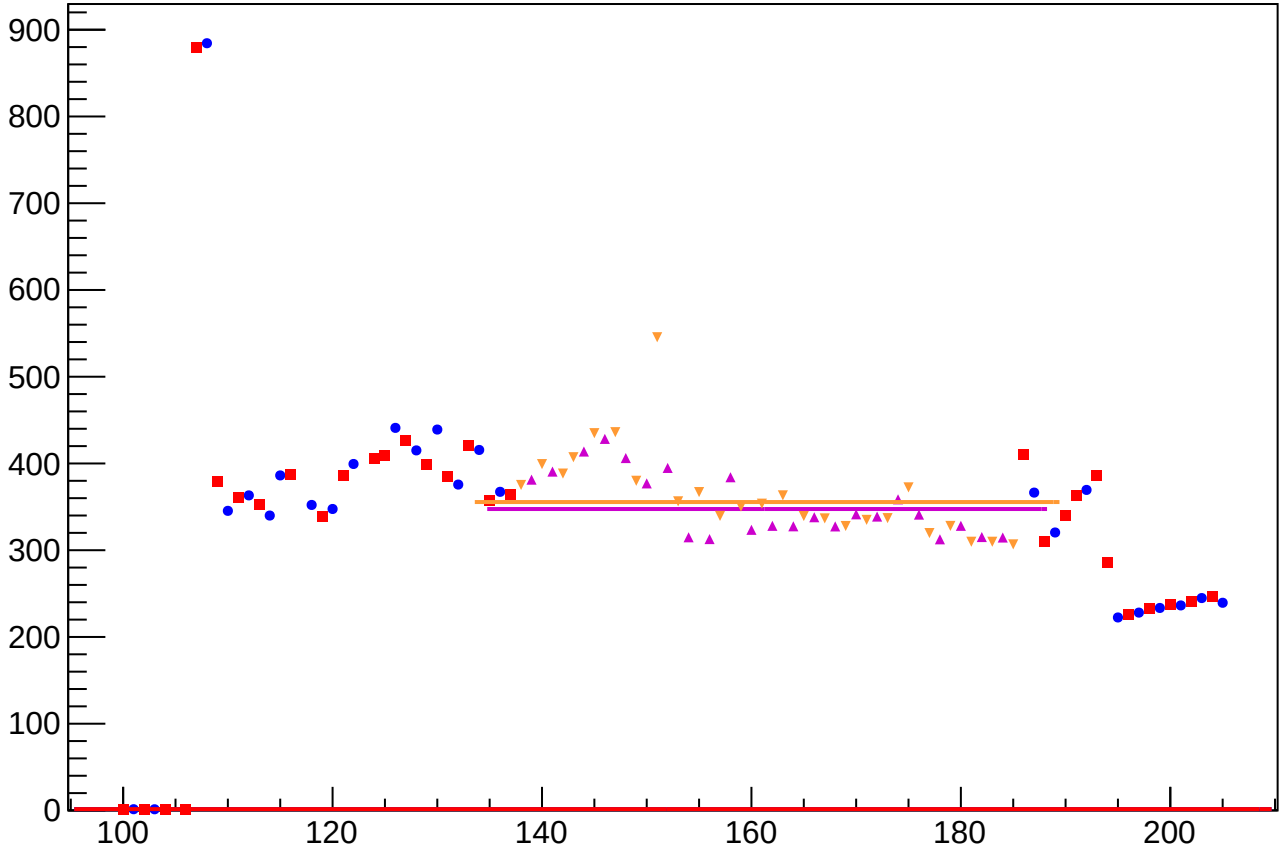
Right: 1.182+/-1.124 χ^2/NDF: 52.2/54

In: 1.411+/-1.660 χ^2/NDF:40.9/47

Out: 1.052+/-1.527 χ^2/NDF:46.0/54

All: 1.217+/-1.124 χ^2/NDF: 87.0/102

asym_cav4dQ_rms vs Slug, Sign Corrected



Right In: 1.544+/-0.001 χ^2/NDF: 25292522.1/24

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.534+/-0.001 χ^2/NDF: 26847645.4/29

Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

Left: 351.537+/-0.041 χ^2/NDF: 883088.0/47

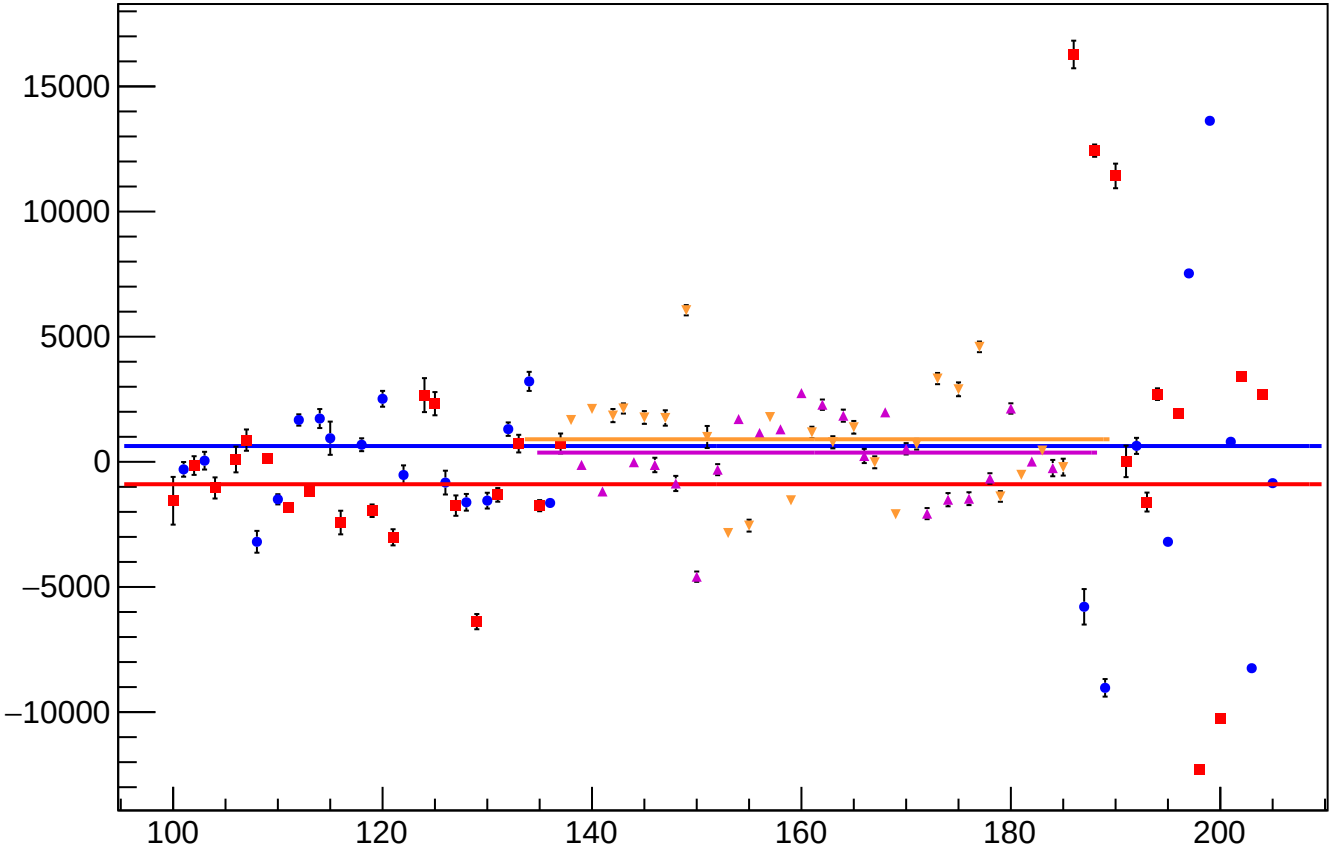
Right: 1.539+/-0.001 χ^2/NDF: 52140204.2/54

In: 1.685+/-0.001 χ^2/NDF:61122677.8/47

Out: 1.658+/-0.001 χ^2/NDF:65045670.2/54

All: 1.671+/-0.001 χ^2/NDF: 126168631.2/102

asym_bcm0l02_mean vs Slug, Sign Corrected



Right In: 631.217+/-50.956 χ^2/NDF: 11334.6/24

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -894.774+/-49.268 χ^2/NDF: 13318.5/29

Left In: 368.252+/-42.700 χ^2/NDF:1593.0/22

Left: 623.972+/-30.804 χ^2/NDF: 4078.7/47

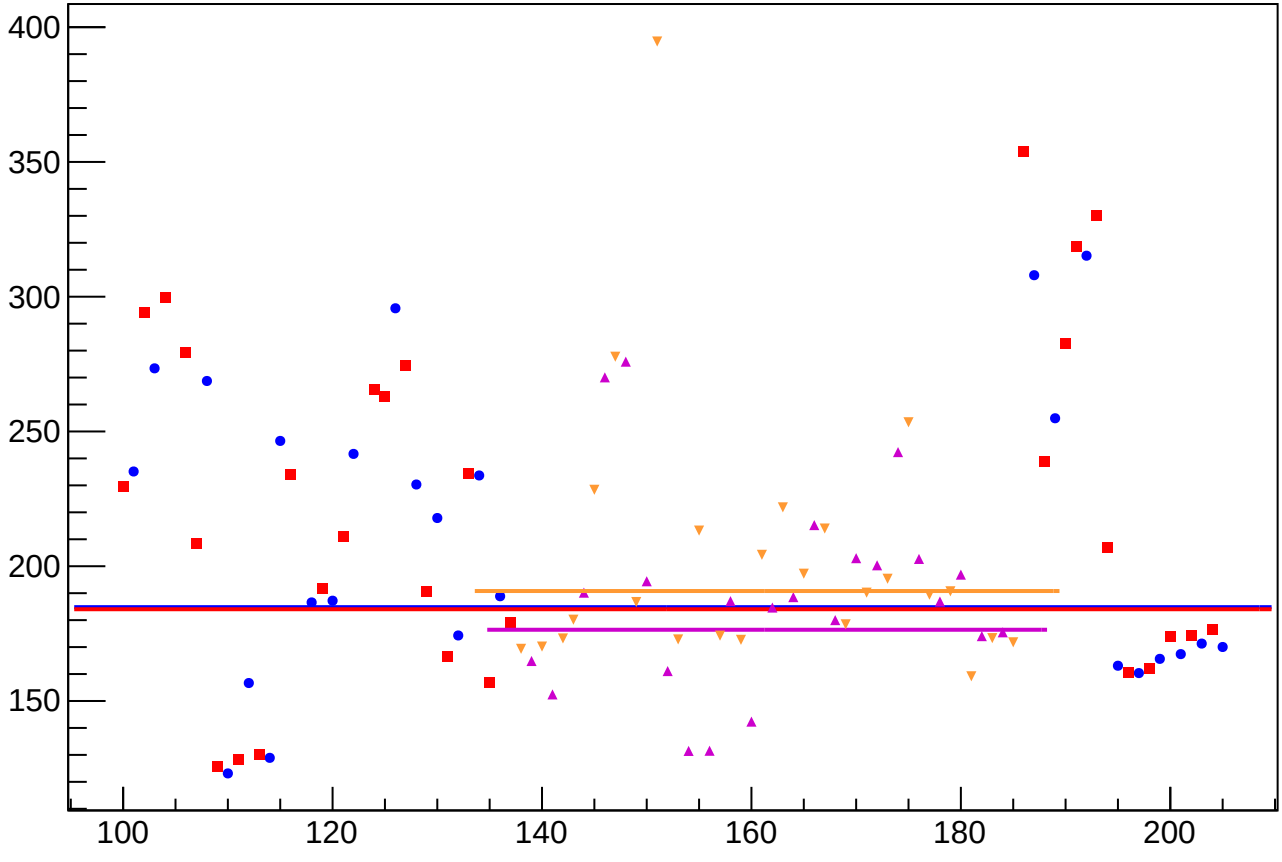
Right: -157.471+/-35.419 χ^2/NDF: 25116.6/54

In: 476.731+/-32.728 χ^2/NDF:12943.3/47

Out: 94.832+/-33.016 χ^2/NDF:16461.8/54

All: 287.454+/-23.243 χ^2/NDF: 29472.5/102

asym_bcm0l02_rms vs Slug, Sign Corrected



Right In: 184.813+/-0.036 χ^2/NDF: 1387847.7/24

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 184.043+/-0.035 χ^2/NDF: 2105518.8/29

Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

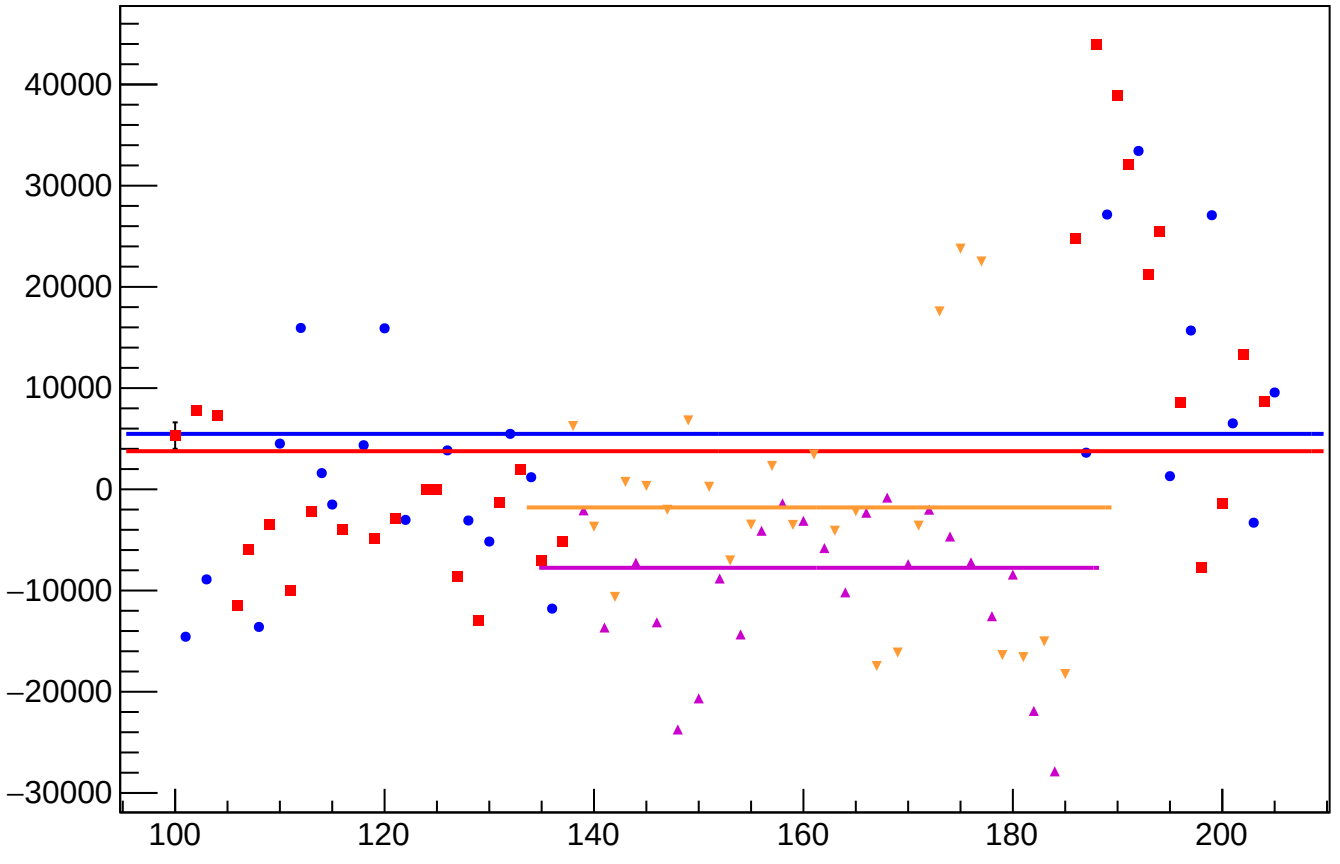
Left: 183.323+/-0.022 χ^2/NDF: 2385884.9/47

Right: 184.415+/-0.025 χ^2/NDF: 3493602.9/54

In: 179.889+/-0.023 χ^2/NDF:2677301.0/47

Out: 187.766+/-0.023 χ^2/NDF:3145851.1/54

All: 183.793+/-0.016 χ^2/NDF: 5880570.8/102



Right In: 5478.014+/-42.588 χ^2/NDF: 90417.3/24

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3766.635+/-40.412 χ^2/NDF: 136201.2/29

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

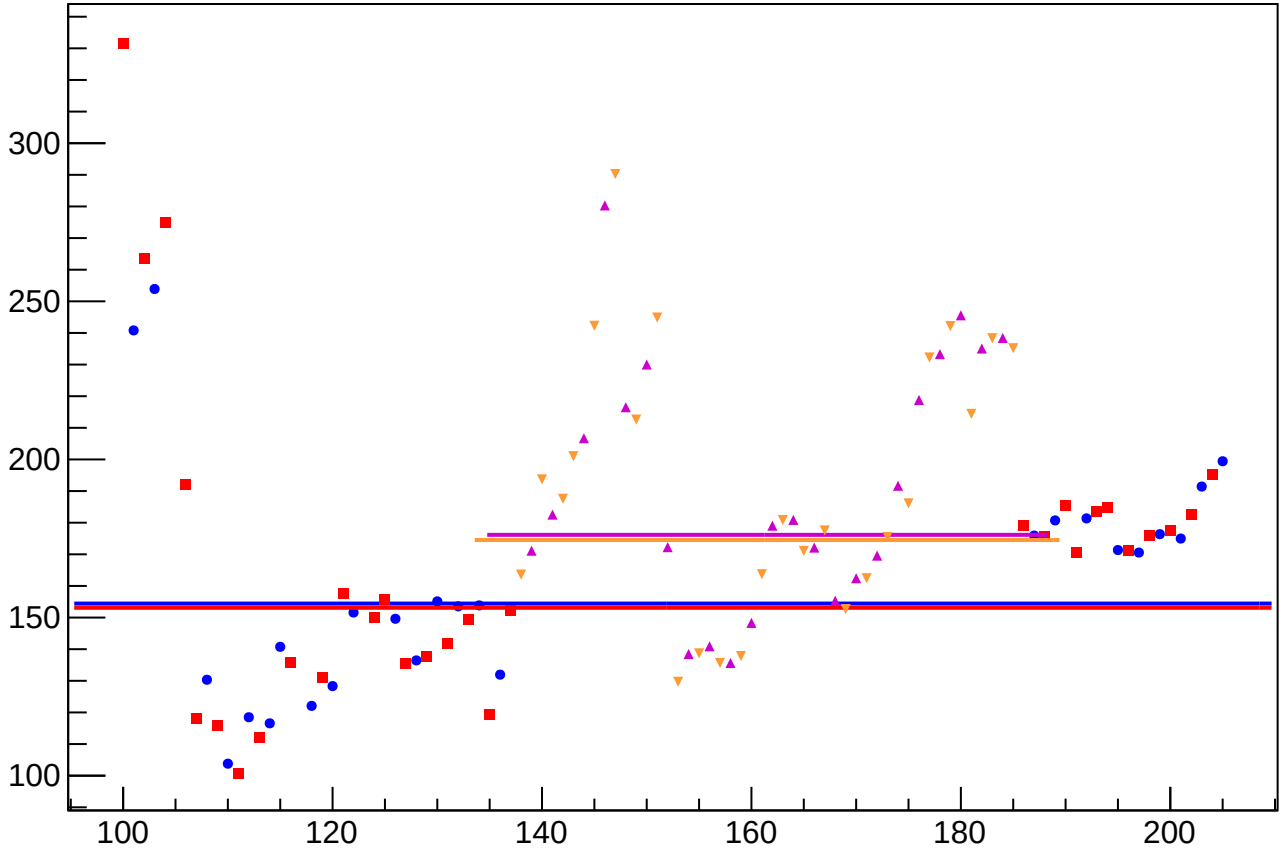
Right: 4577.477+/-29.315 χ^2/NDF: 227468.2/54

In: -1140.878+/-30.108 χ^2/NDF:161984.4/47

Out: 1022.226+/-28.750 χ^2/NDF:211285.4/54

All: -9.428+/-20.793 χ^2/NDF: 375969.6/102

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 154.430+/-0.030 χ^2/NDF: 1132259.5/24

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 153.095+/-0.029 χ^2/NDF: 1500984.3/29

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

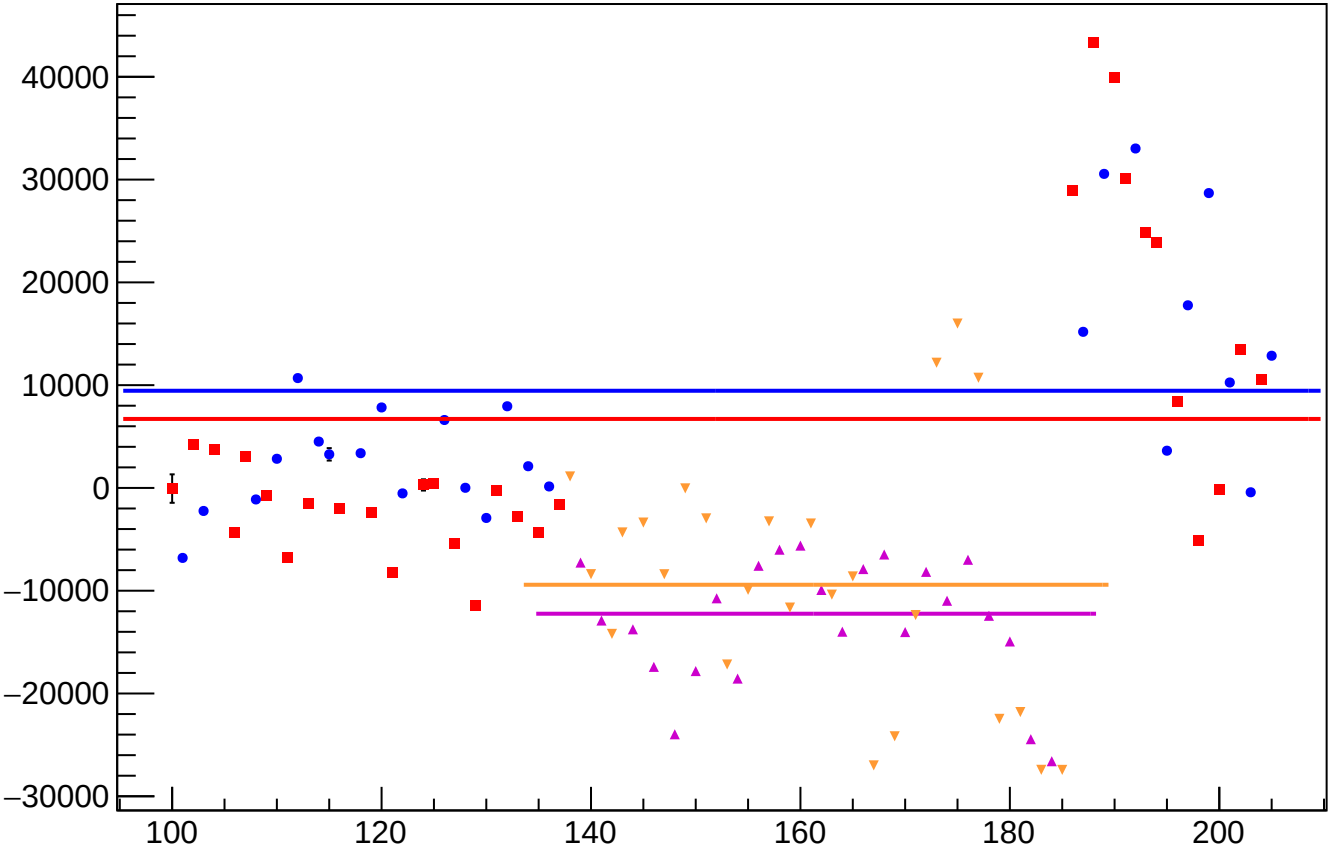
Right: 153.728+/-0.021 χ^2/NDF: 2634277.1/54

In: 165.297+/-0.021 χ^2/NDF:2759635.0/47

Out: 163.677+/-0.020 χ^2/NDF:3438089.4/54

All: 164.449+/-0.015 χ^2/NDF: 6200752.6/102

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9454.703+/-48.295 χ^2/NDF: 51225.8/24

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6712.746+/-45.630 χ^2/NDF: 105331.2/29

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

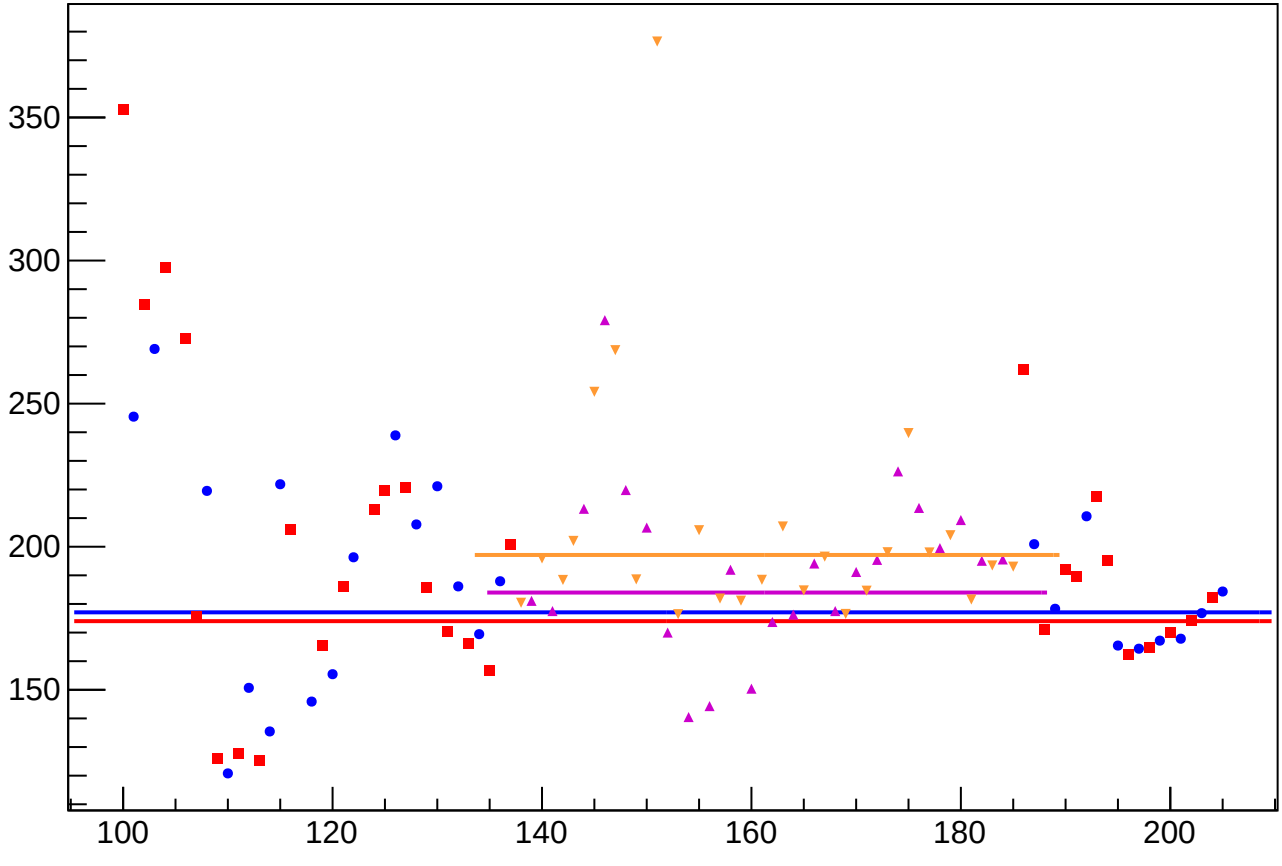
Right: 8006.007+/-33.167 χ^2/NDF: 158260.1/54

In: -2351.680+/-32.604 χ^2/NDF:177052.3/47

Out: -1341.790+/-32.289 χ^2/NDF:232459.0/54

All: -1841.842+/-22.942 χ^2/NDF: 409995.7/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.073+/-0.034 χ^2/NDF: 762374.2/24

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.993+/-0.032 χ^2/NDF: 1197146.7/29

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

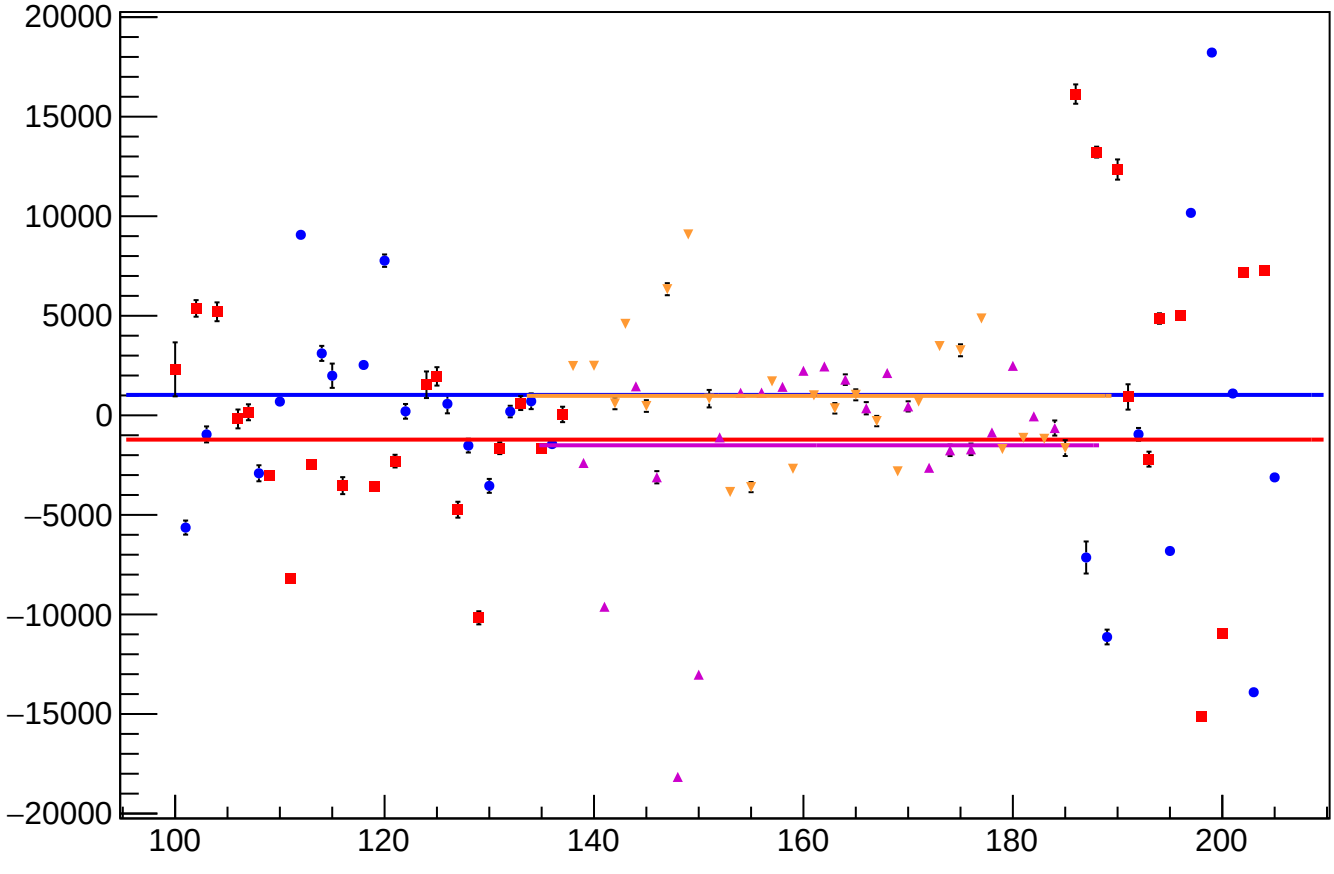
Right: 175.446+/-0.023 χ^2/NDF: 1963819.3/54

In: 180.835+/-0.023 χ^2/NDF:1614447.9/47

Out: 185.541+/-0.023 χ^2/NDF:2186222.7/54

All: 183.211+/-0.016 χ^2/NDF: 3821701.5/102

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1026.035+/-54.439 χ^2/NDF: 20702.7/24

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1219.489+/-51.665 χ^2/NDF: 19713.1/29

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

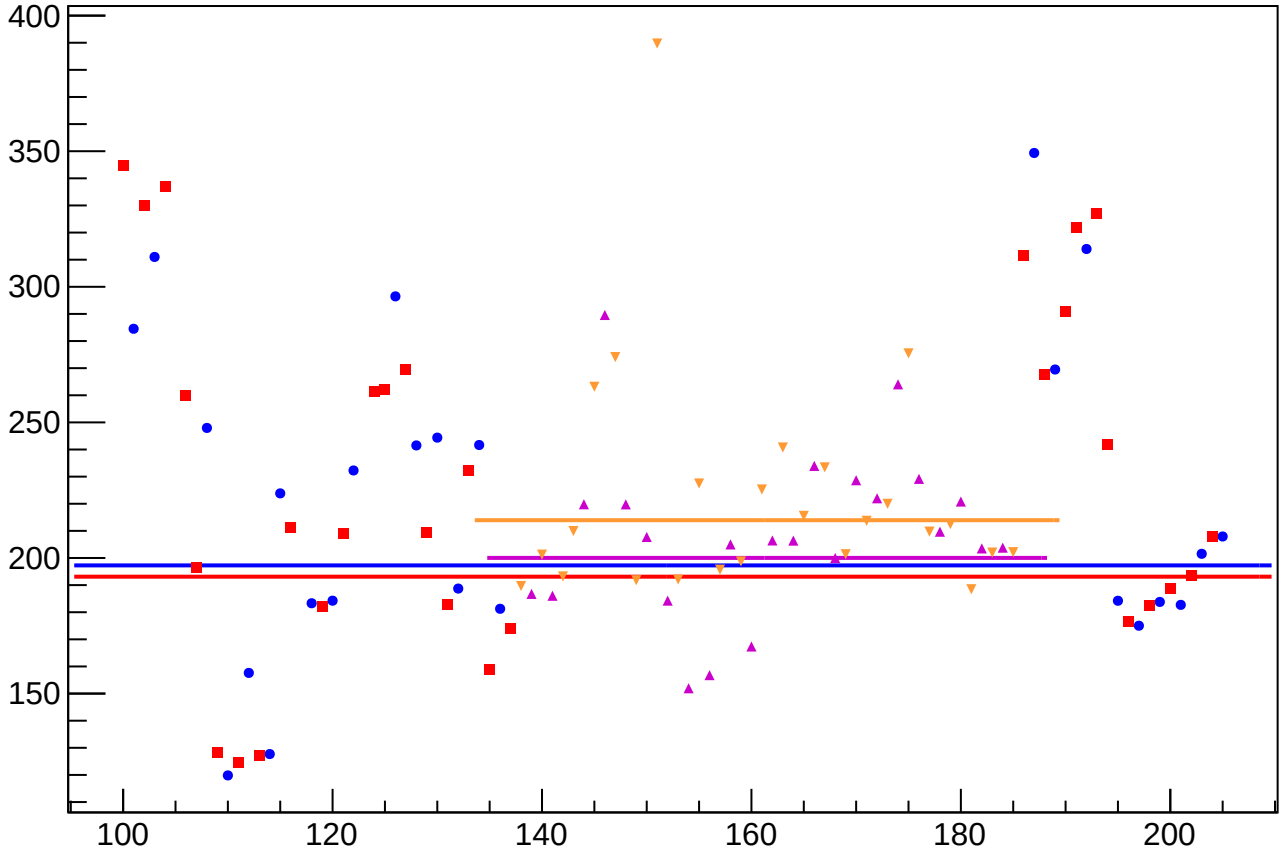
Right: -155.384+/-37.475 χ^2/NDF: 41311.0/54

In: -396.682+/-36.025 χ^2/NDF:33398.4/47

Out: -75.872+/-35.783 χ^2/NDF:24977.7/54

All: -235.196+/-25.387 χ^2/NDF: 58416.1/102

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.267+/-0.038 χ^2/NDF: 1444996.8/24

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.106+/-0.037 χ^2/NDF: 2243149.1/29

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

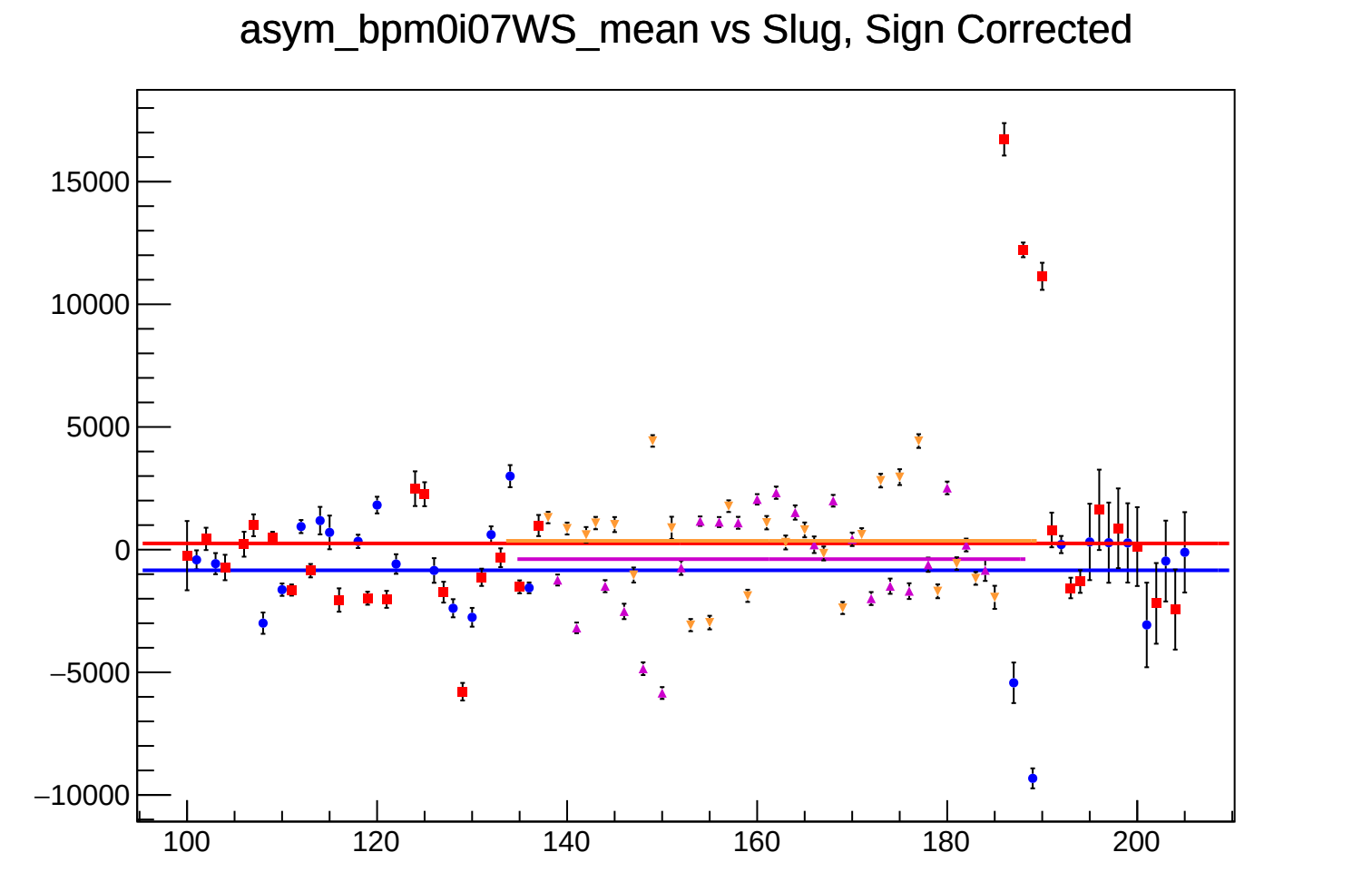
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.078+/-0.026 χ^2/NDF: 3694295.2/54

In: 198.821+/-0.025 χ^2/NDF:2233418.6/47

Out: 203.942+/-0.025 χ^2/NDF:3145866.1/54

All: 201.398+/-0.018 χ^2/NDF: 5399628.4/102



Right In: -842.150+/-81.385 χ^2/NDF: 799.7/24

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 253.715+/-73.797 χ^2/NDF: 3273.9/29

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

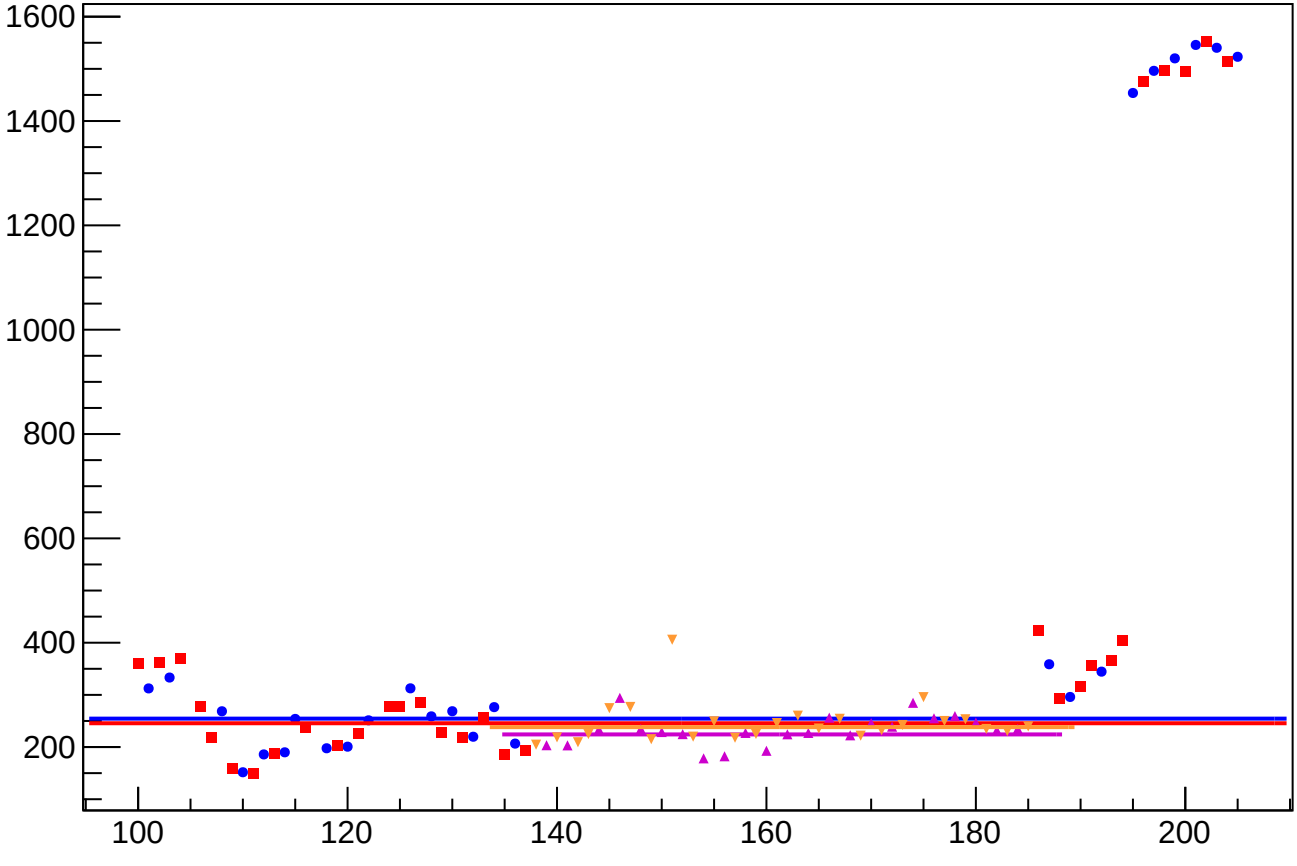
Right: -240.762+/-54.669 χ^2/NDF: 4173.1/54

In: -524.398+/-44.722 χ^2/NDF:2625.7/47

Out: 321.205+/-44.095 χ^2/NDF:4694.0/54

All: -95.629+/-31.399 χ^2/NDF: 7501.0/102

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 254.471+/-0.058 χ^2/NDF: 8185656.8/24

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 245.632+/-0.052 χ^2/NDF: 7960482.4/29

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

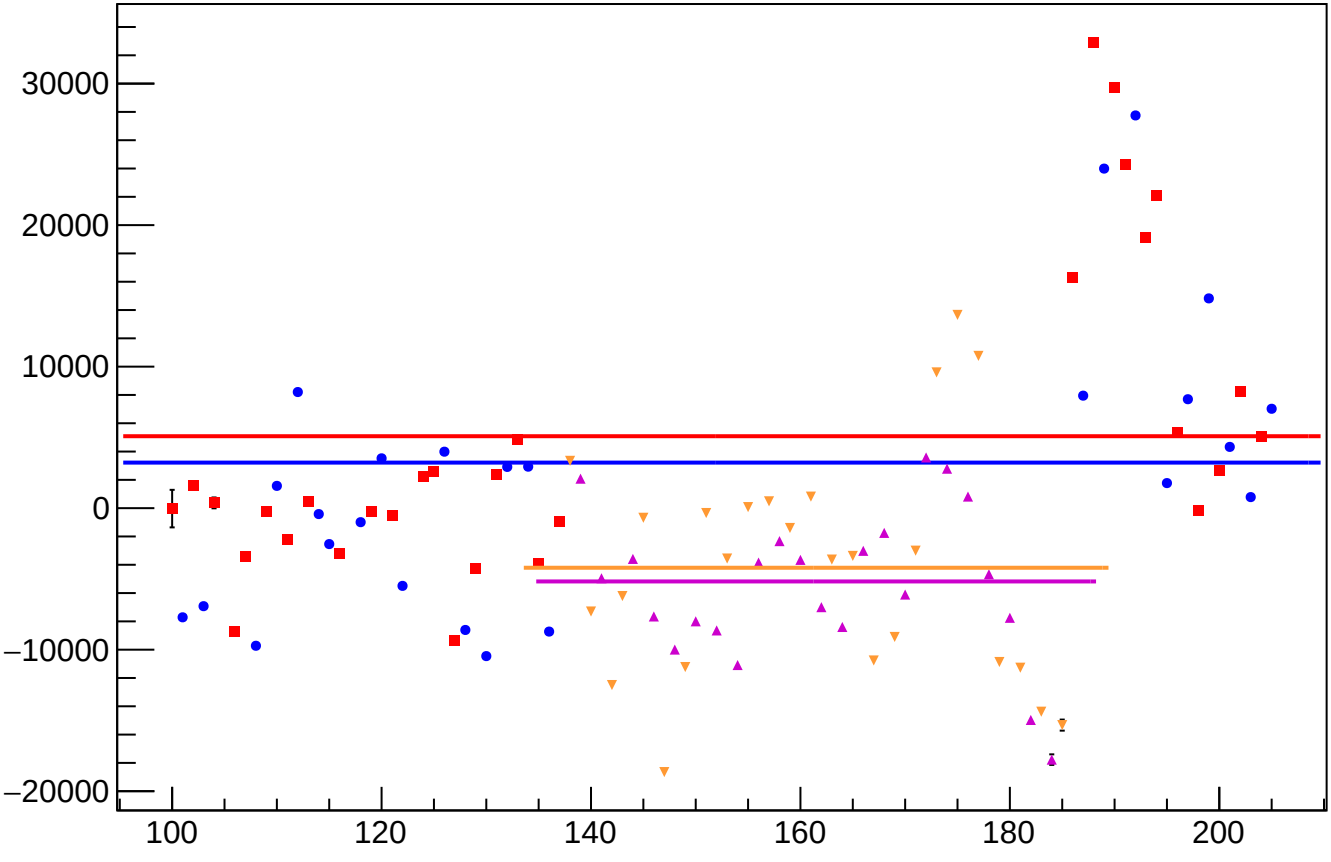
Right: 249.620+/-0.039 χ^2/NDF: 16159083.9/54

In: 233.349+/-0.032 χ^2/NDF:8941873.2/47

Out: 240.853+/-0.031 χ^2/NDF:8541463.9/54

All: 237.154+/-0.022 χ^2/NDF: 17511888.8/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3219.565+/-36.144 χ^2/NDF: 76307.2/24

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5083.887+/-34.063 χ^2/NDF: 102886.4/29

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

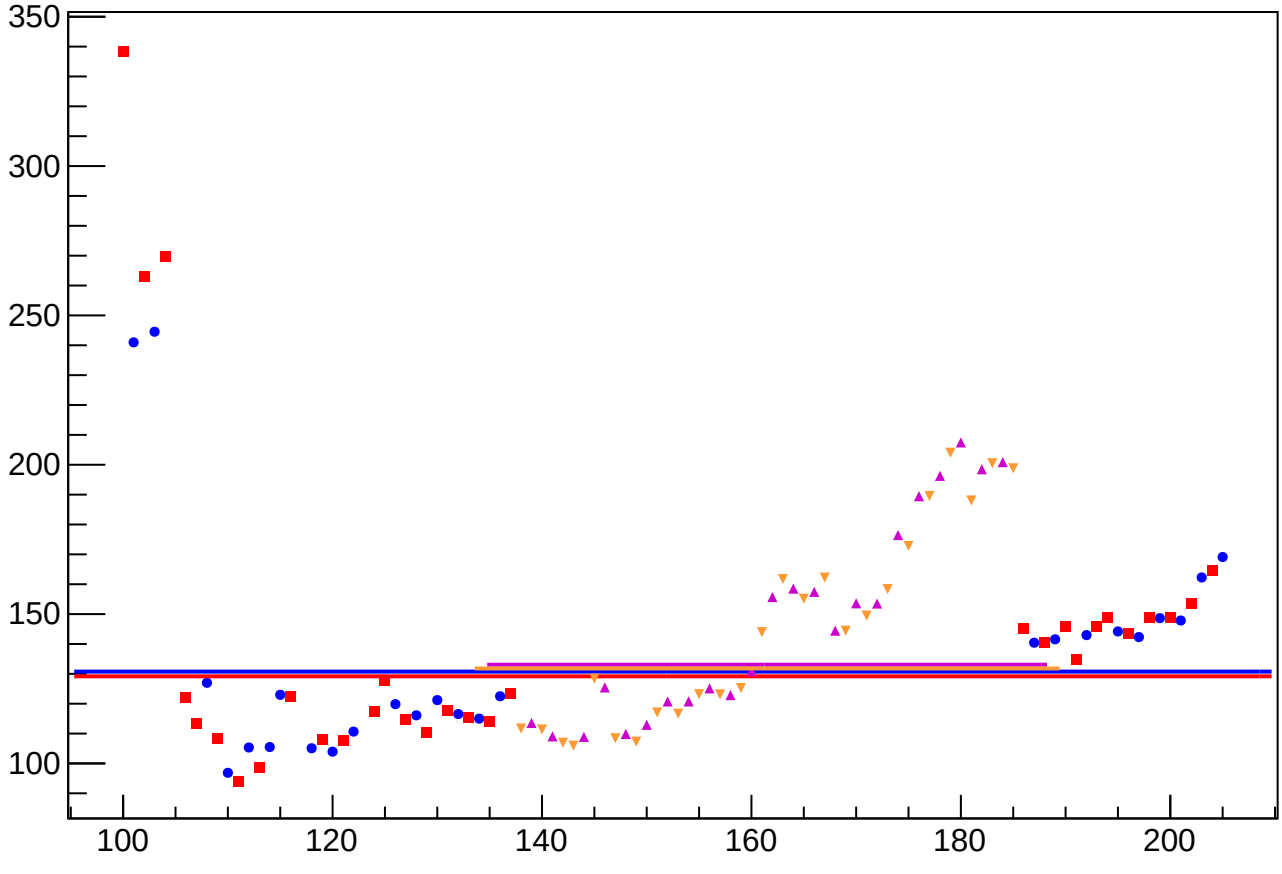
Right: 4206.937+/-24.789 χ^2/NDF: 180602.7/54

In: -1492.074+/-23.946 χ^2/NDF:125136.4/47

Out: -25.498+/-22.857 χ^2/NDF:200618.2/54

All: -724.676+/-16.534 χ^2/NDF: 327717.3/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 130.746+/-0.026 χ^2/NDF: 1120800.3/24

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 129.166+/-0.024 χ^2/NDF: 1330943.5/29

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

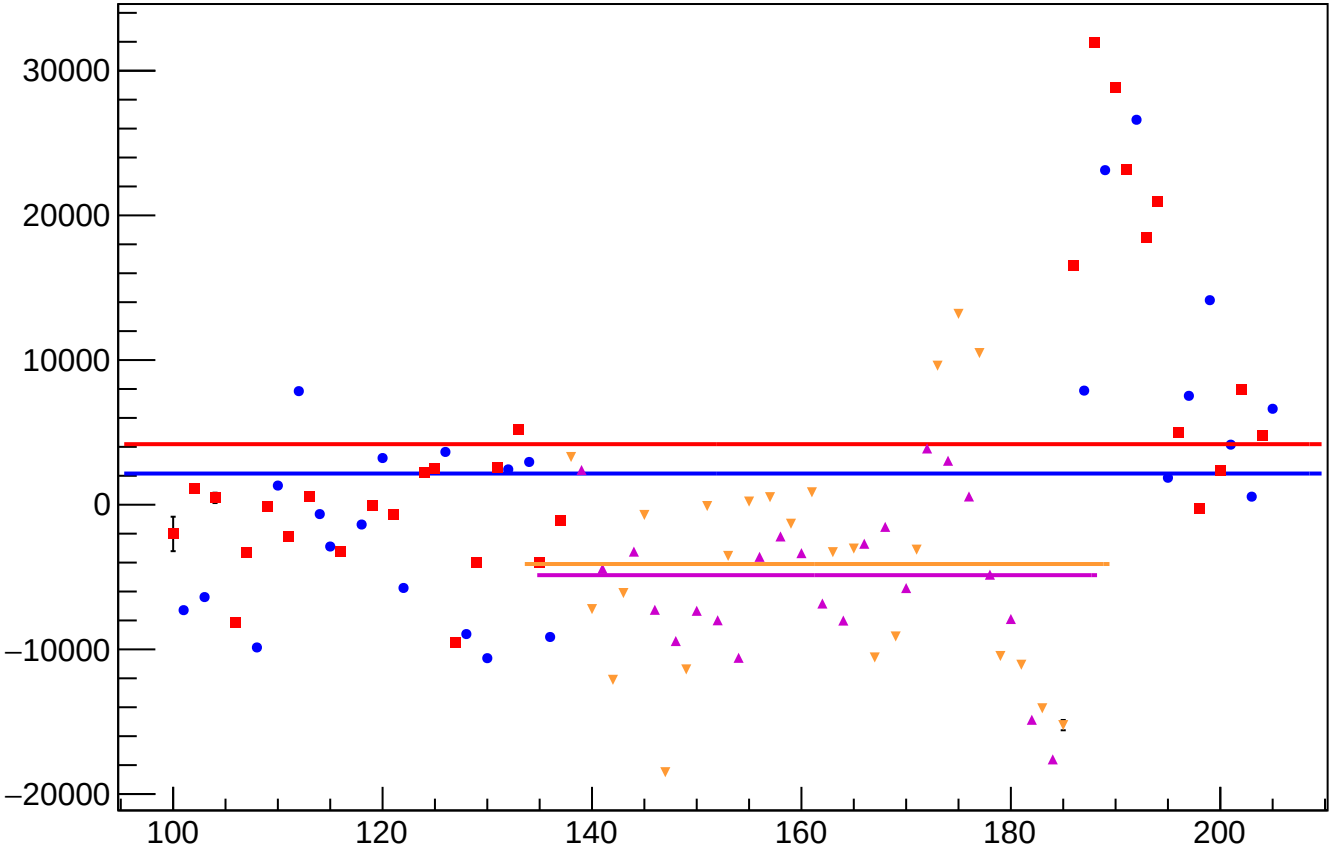
Right: 129.910+/-0.018 χ^2/NDF: 2453768.2/54

In: 132.045+/-0.017 χ^2/NDF:2543655.1/47

Out: 130.613+/-0.016 χ^2/NDF:2881844.0/54

All: 131.296+/-0.012 χ^2/NDF: 5429243.8/102

asym_bpm2i01WS_mean vs Slug, Sign Corrected



Right In: 2155.555+/-32.946 χ^2/NDF: 83250.4/24

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: 4185.803+/-31.261 χ^2/NDF: 108597.7/29

Left In: -4869.740+/-28.809 χ^2/NDF:21913.6/22

Left: -4470.191+/-19.994 χ^2/NDF: 88556.0/47

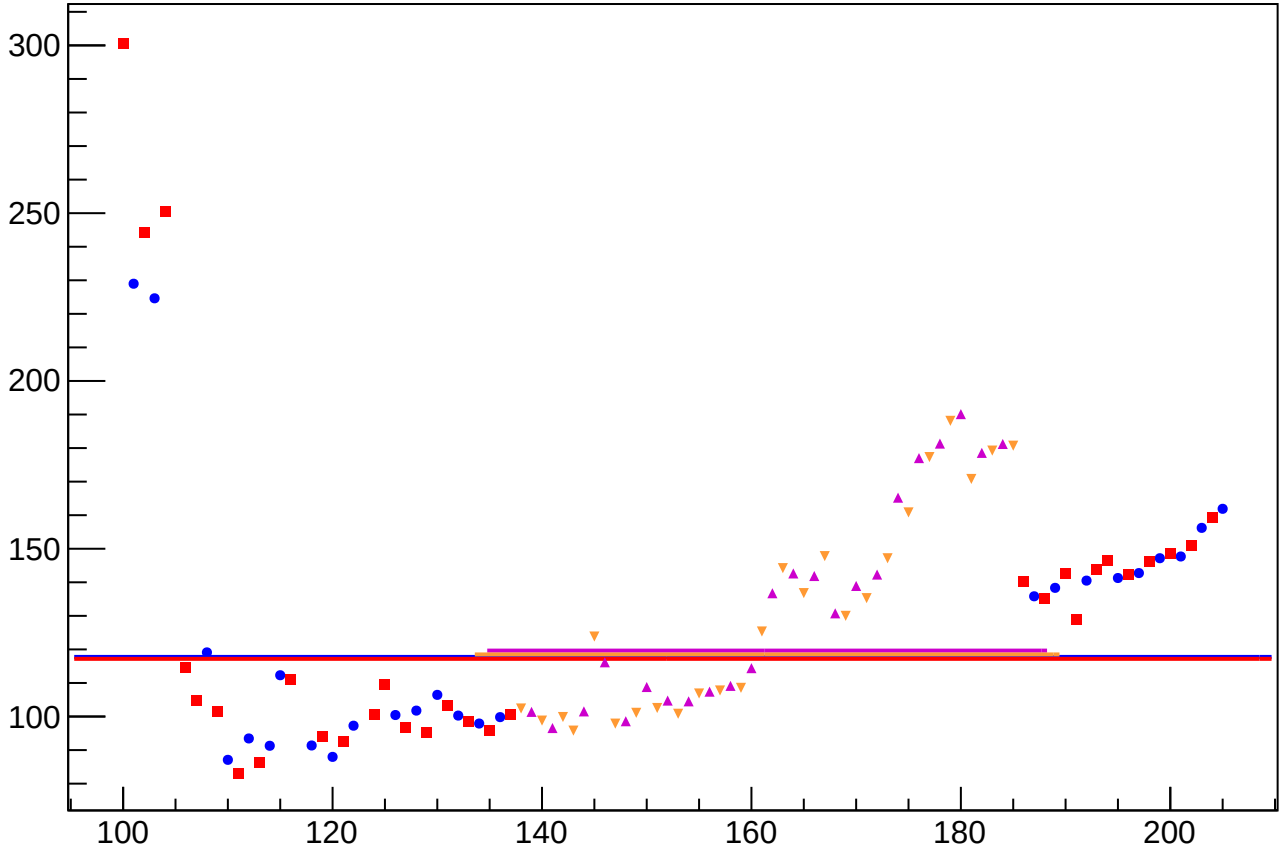
Right: 3223.920+/-22.677 χ^2/NDF: 193846.5/54

In: -1825.596+/-21.687 χ^2/NDF:130931.9/47

Out: -444.528+/-20.762 χ^2/NDF:214123.8/54

All: -1104.980+/-14.997 χ^2/NDF: 347171.8/1

asym_bpm2i01WS_rms vs Slug, Sign Corrected



Right In: 117.763+/-0.023 χ^2/NDF: 1652883.1/24

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 117.192+/-0.022 χ^2/NDF: 1879775.9/29

Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

Left: 119.052+/-0.014 χ^2/NDF: 3141151.7/47

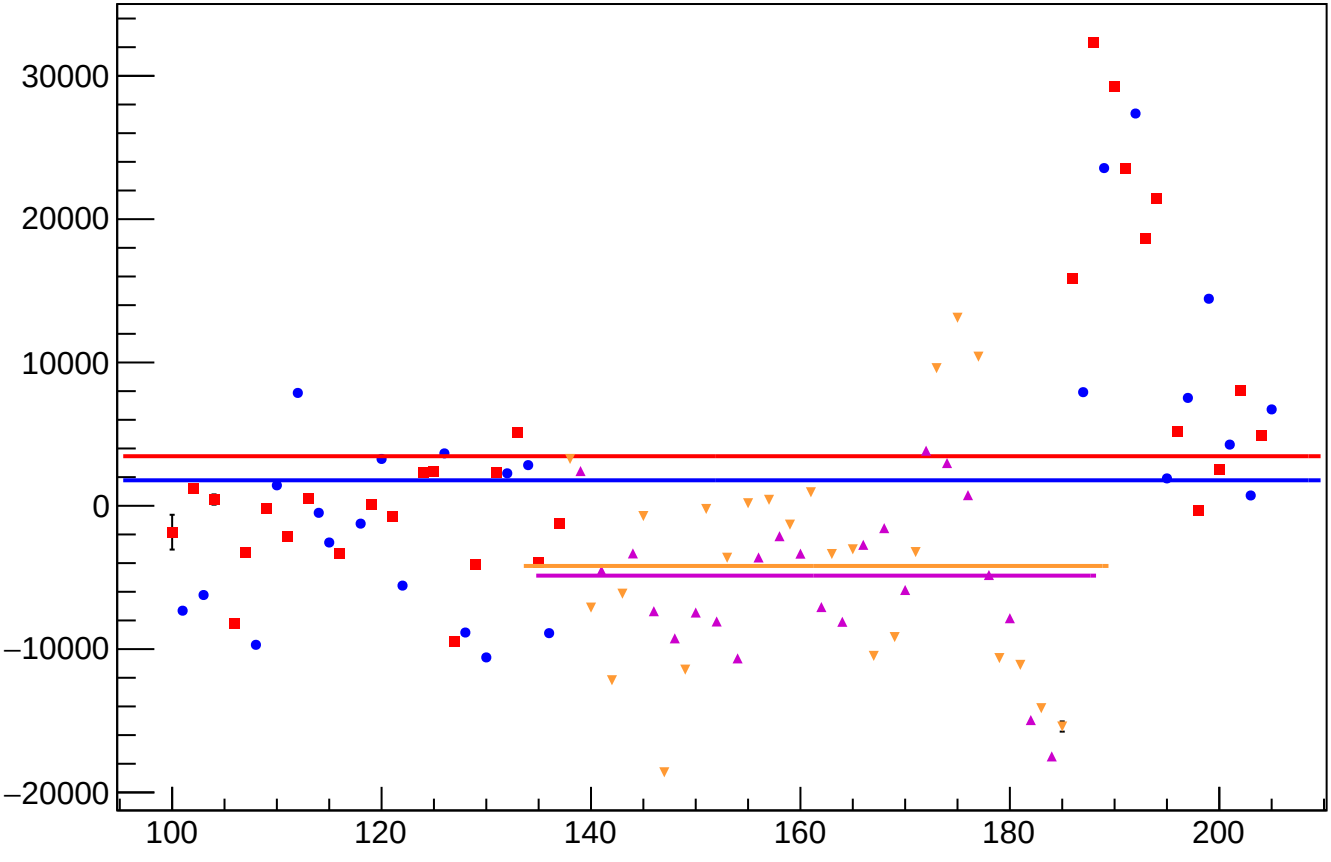
Right: 117.462+/-0.016 χ^2/NDF: 3532975.8/54

In: 118.830+/-0.015 χ^2/NDF:3168960.5/47

Out: 117.924+/-0.015 χ^2/NDF:3508877.9/54

All: 118.357+/-0.011 χ^2/NDF: 6679658.6/102

asym_bpm2i02WS_mean vs Slug, Sign Corrected



Right In: 1779.386+/-32.389 χ^2/NDF: 82141.6/24

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: 3459.797+/-30.789 χ^2/NDF: 101914.8/29

Left In: -4873.124+/-28.200 χ^2/NDF:22923.8/22

Left: -4523.205+/-19.581 χ^2/NDF: 93636.5/47

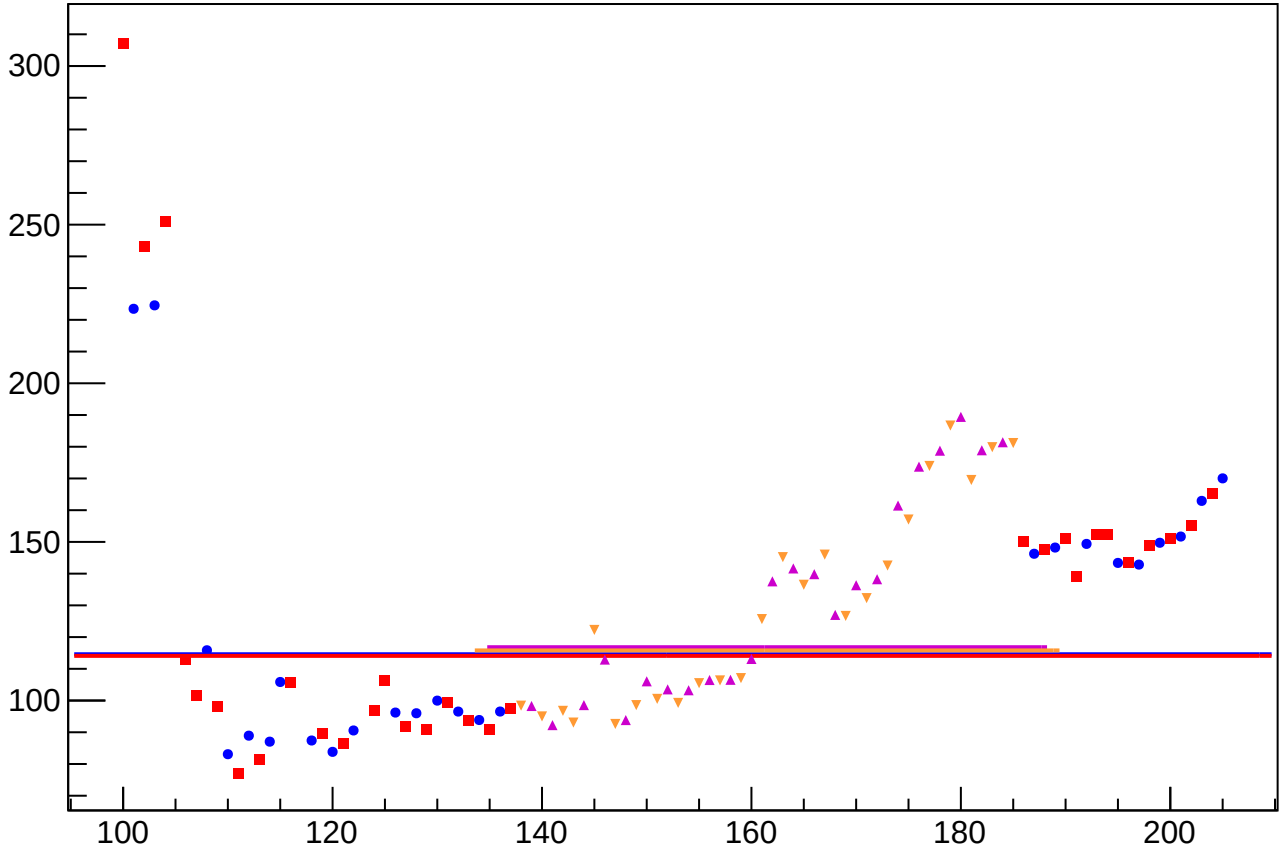
Right: 2662.122+/-22.315 χ^2/NDF: 185470.4/54

In: -2004.554+/-21.268 χ^2/NDF:129061.6/47

Out: -839.391+/-20.389 χ^2/NDF:207057.9/54

All: -1397.391+/-14.718 χ^2/NDF: 337683.4/1

asym_bpm2i02WS_rms vs Slug, Sign Corrected



Right In: 114.588+/-0.023 χ^2/NDF: 2077198.3/24

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 114.083+/-0.022 χ^2/NDF: 2443882.8/29

Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

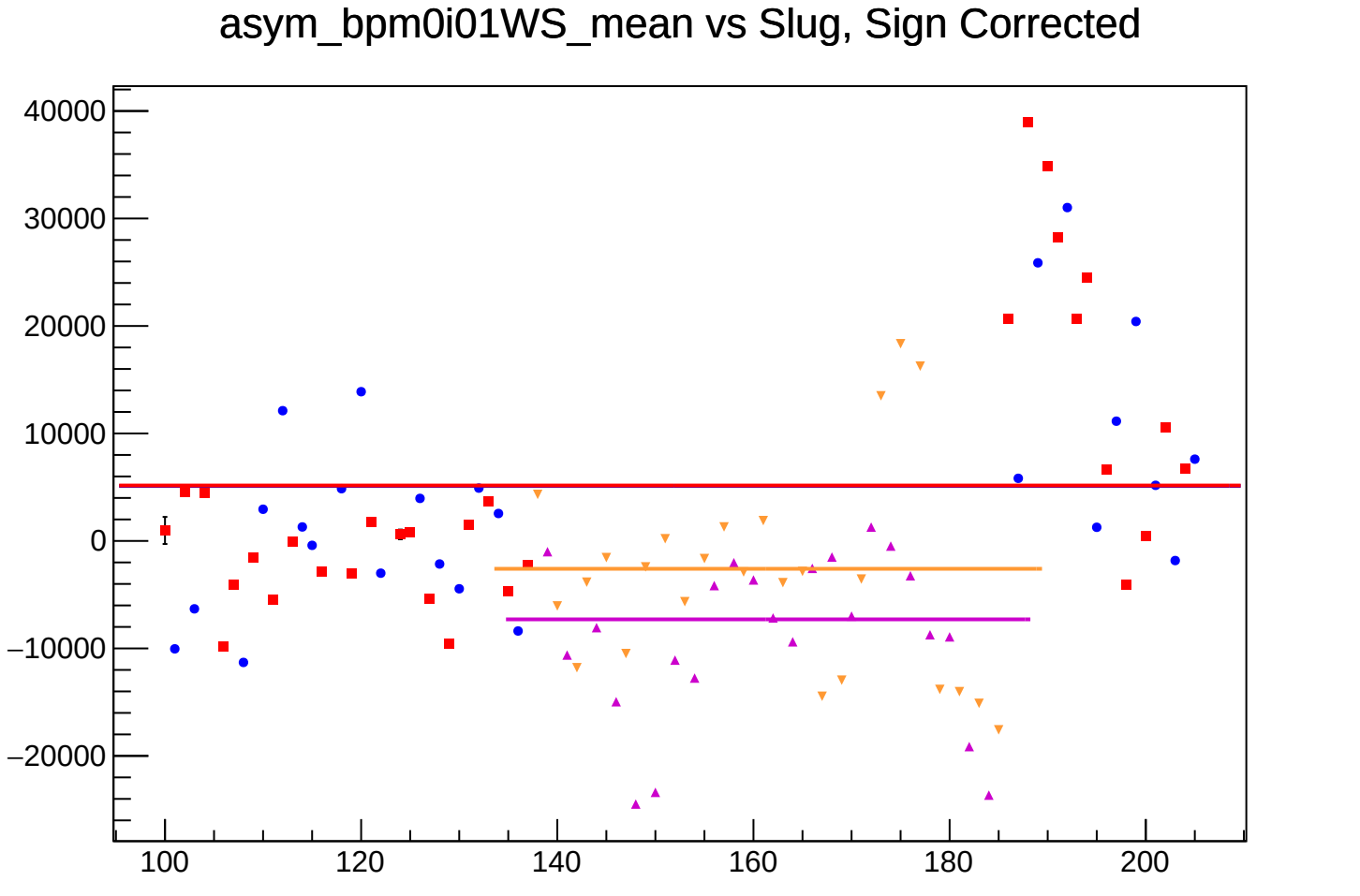
Left: 116.285+/-0.014 χ^2/NDF: 3367997.1/47

Right: 114.322+/-0.016 χ^2/NDF: 4521336.5/54

In: 115.851+/-0.015 χ^2/NDF:3700192.9/47

Out: 115.046+/-0.014 χ^2/NDF:4196389.6/54

All: 115.431+/-0.010 χ^2/NDF: 7898076.1/102



Right In: 5111.753+/-43.243 χ^2/NDF: 62589.5/24

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: 5156.230+/-41.219 χ^2/NDF: 96981.6/29

Left In: -7296.193+/-39.576 χ^2/NDF:24743.4/22

Left: -4826.123+/-27.275 χ^2/NDF: 80158.0/47

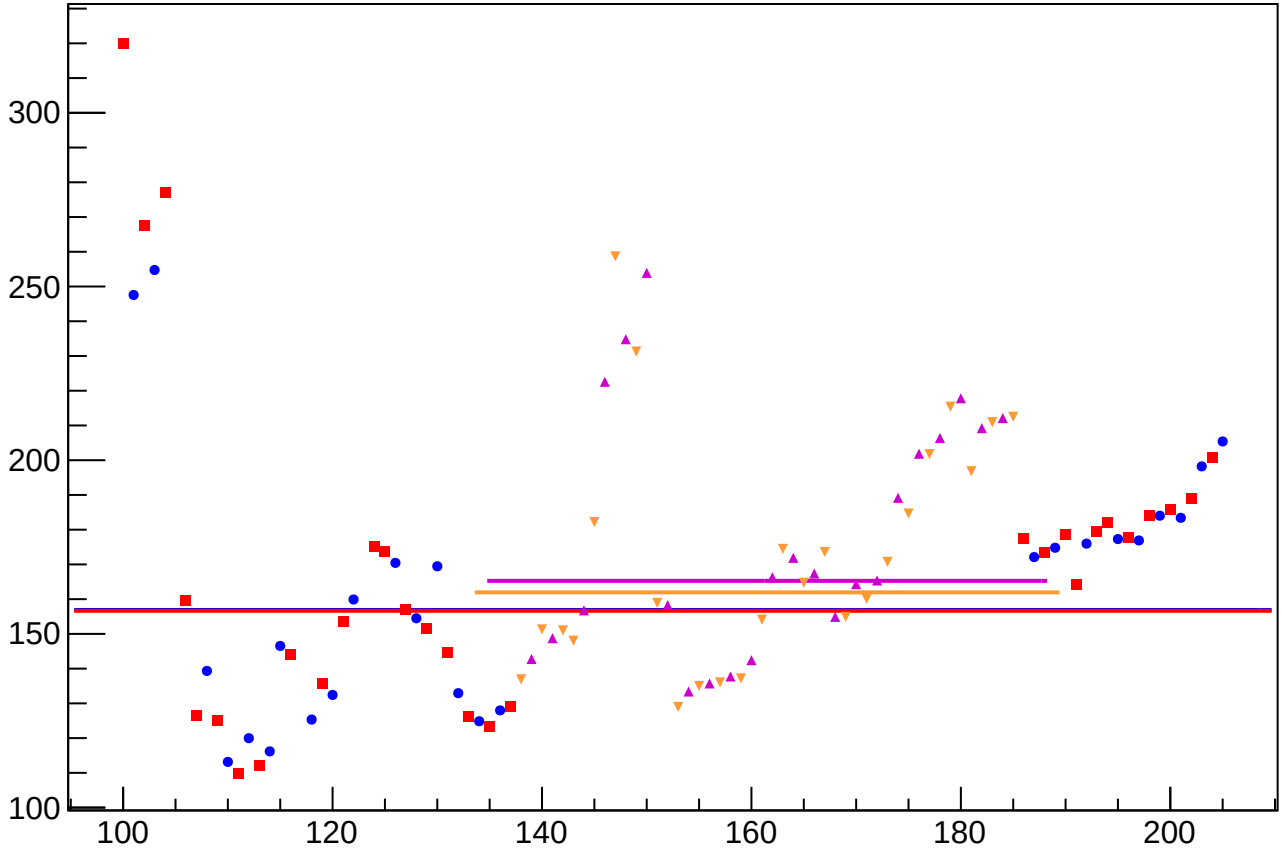
Right: 5135.056+/-29.836 χ^2/NDF: 159571.6/54

In: -1640.522+/-29.195 χ^2/NDF:132138.0/47

Out: 931.884+/-27.796 χ^2/NDF:164239.9/54

All: -291.228+/-20.131 χ^2/NDF: 300450.2/10

asym_bpm0i01WS_rms vs Slug, Sign Corrected



Right In: 156.887+/-0.031 χ^2/NDF: 1176464.8/24

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 156.653+/-0.029 χ^2/NDF: 1352169.6/29

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

Left: 163.532+/-0.019 χ^2/NDF: 2331268.8/47

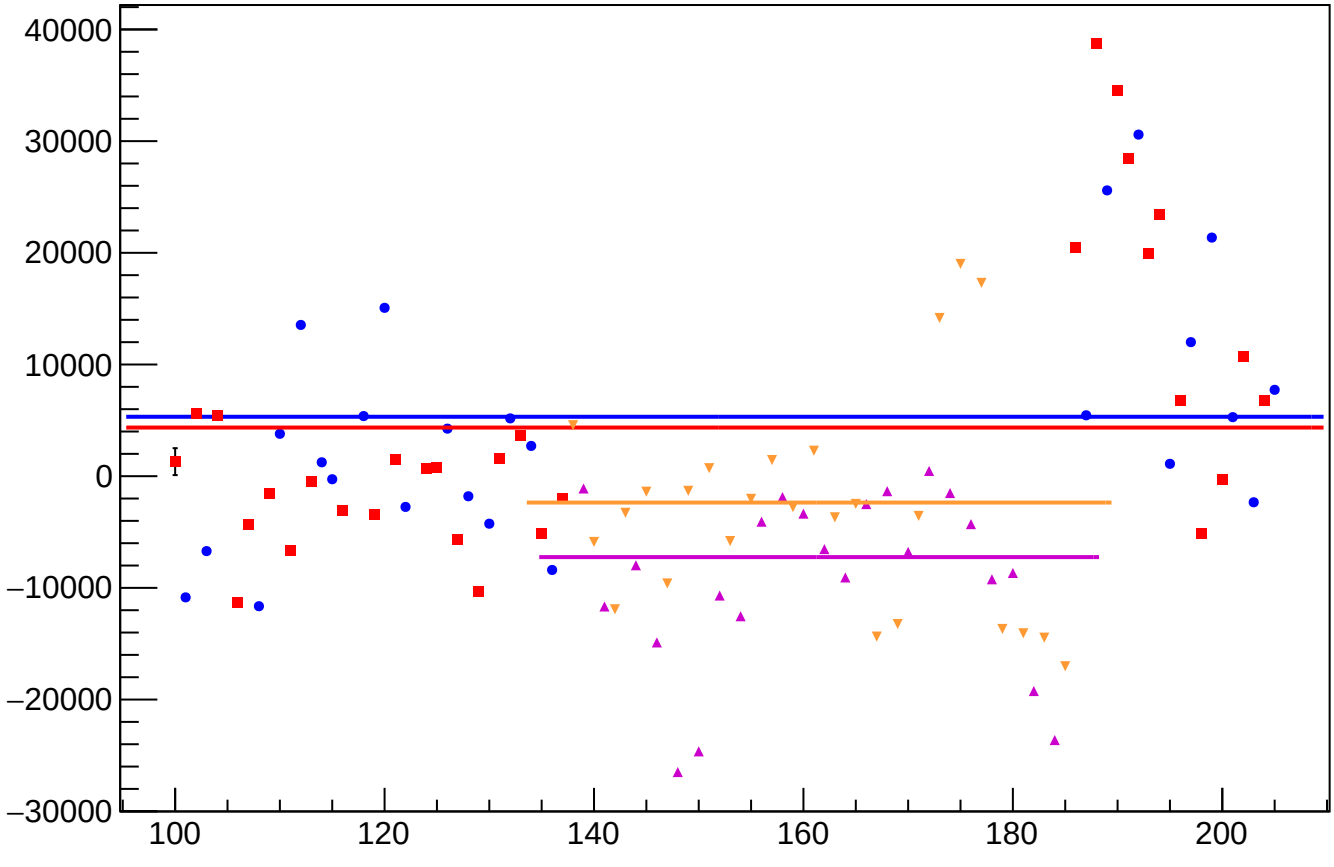
Right: 156.764+/-0.021 χ^2/NDF: 2528665.0/54

In: 161.450+/-0.021 χ^2/NDF:2396485.6/47

Out: 159.545+/-0.020 χ^2/NDF:2515034.6/54

All: 160.451+/-0.014 χ^2/NDF: 4915988.0/102

asym_bpm0i01aWS_mean vs Slug, Sign Corrected



Right In: 5320.879+/-36.668 χ^2/NDF: 87527.8/24

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: 4355.290+/-34.738 χ^2/NDF: 134612.9/29

Left In: -7244.763+/-35.507 χ^2/NDF:30447.9/22

Left: -4673.874+/-24.436 χ^2/NDF: 98973.5/47

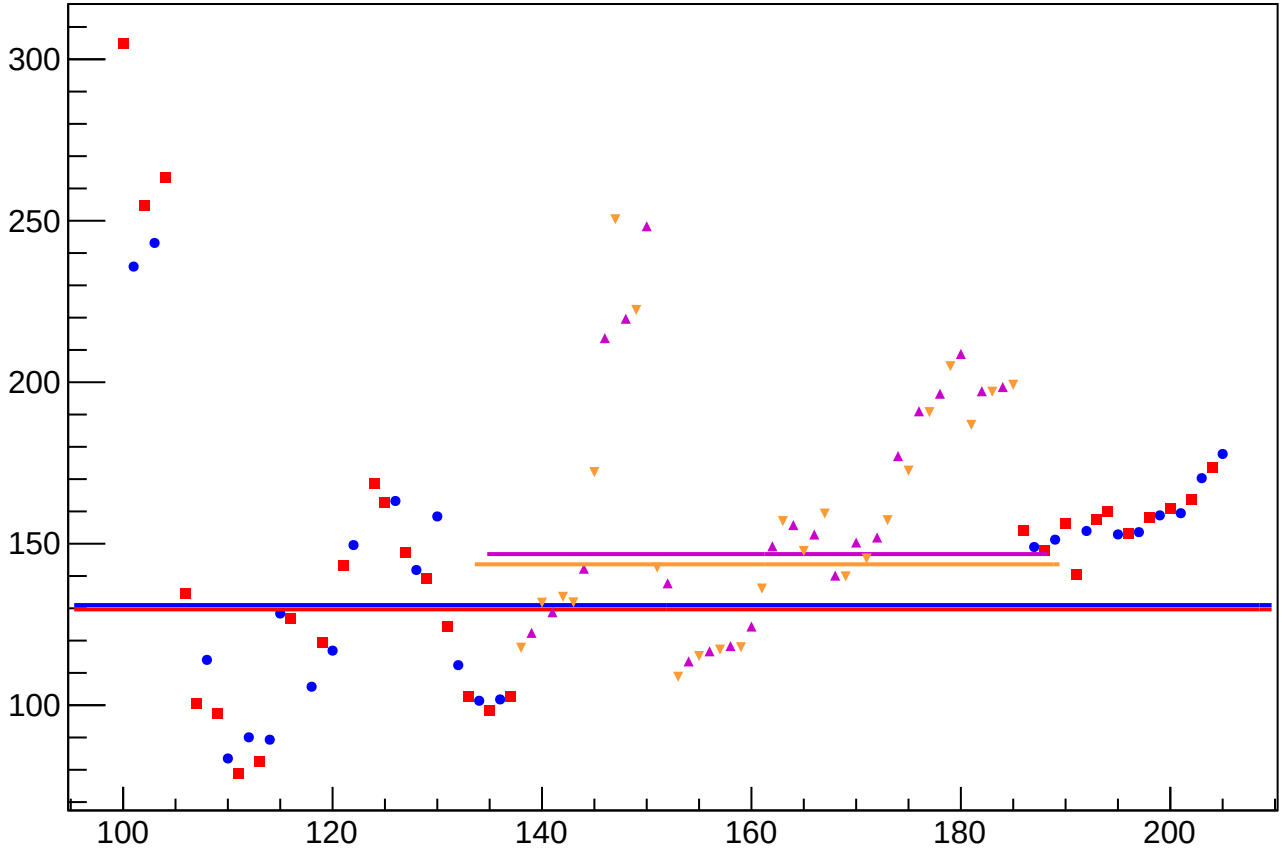
Right: 4812.001+/-25.218 χ^2/NDF: 222506.1/54

In: -1164.066+/-25.508 χ^2/NDF:178580.2/47

Out: 893.440+/-24.181 χ^2/NDF:212446.1/54

All: -80.395+/-17.549 χ^2/NDF: 394453.0/102

asym_bpm0i01aWS_rms vs Slug, Sign Corrected



Right In: 131.003+/-0.026 χ^2/NDF: 1810646.5/24

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 129.663+/-0.025 χ^2/NDF: 2171379.4/29

Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

Left: 145.124+/-0.017 χ^2/NDF: 3365746.4/47

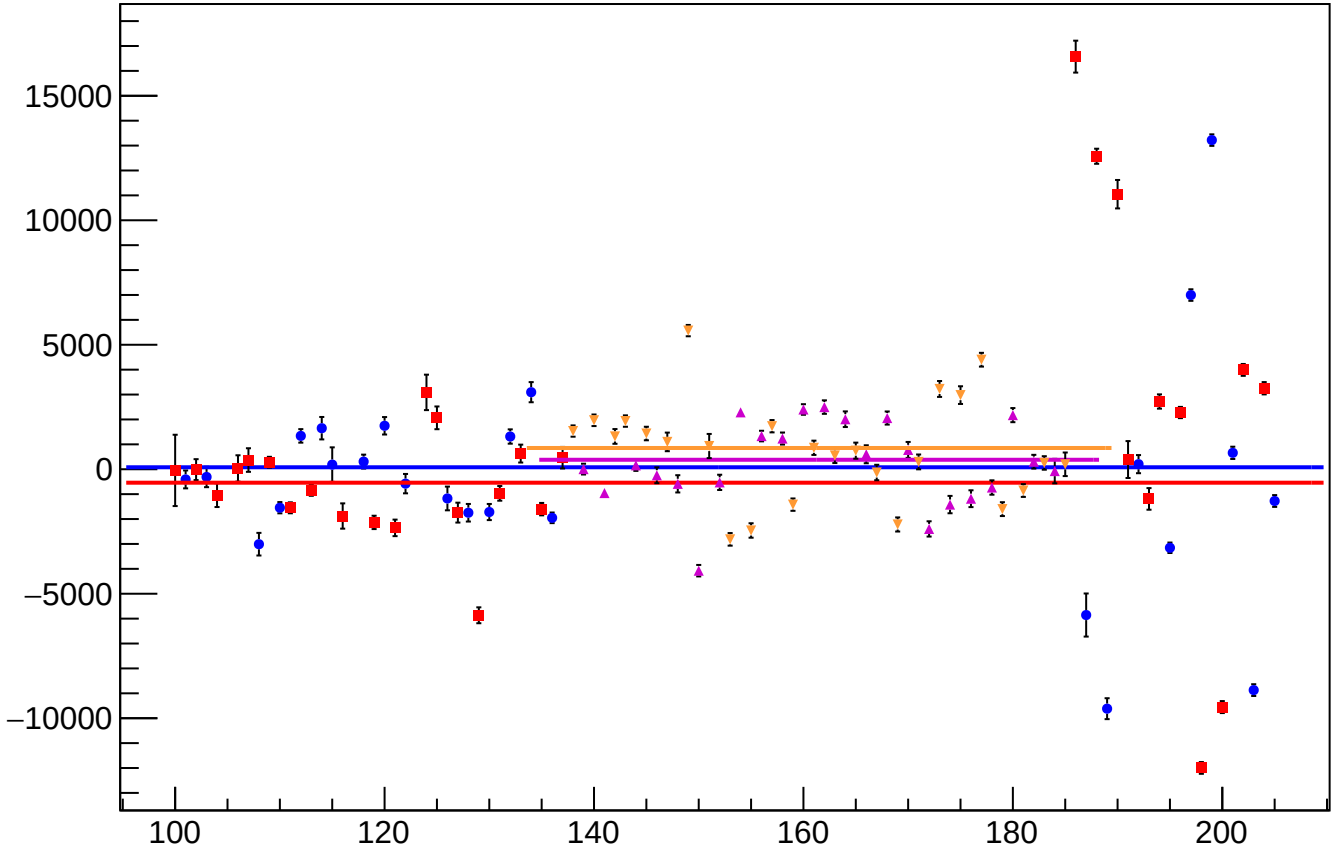
Right: 130.297+/-0.018 χ^2/NDF: 3983432.8/54

In: 139.152+/-0.018 χ^2/NDF:3696569.3/47

Out: 136.859+/-0.017 χ^2/NDF:4000663.0/54

All: 137.944+/-0.012 χ^2/NDF: 7705748.9/102

asym_bpm0l01WS_mean vs Slug, Sign Corrected



Right In: 79.343+/-60.308 χ^2/NDF: 6798.5/24

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -540.316+/-58.154 χ^2/NDF: 8148.4/29

Left In: 380.865+/-55.135 χ^2/NDF:982.4/22

Left: 612.713+/-39.370 χ^2/NDF: 2462.3/47

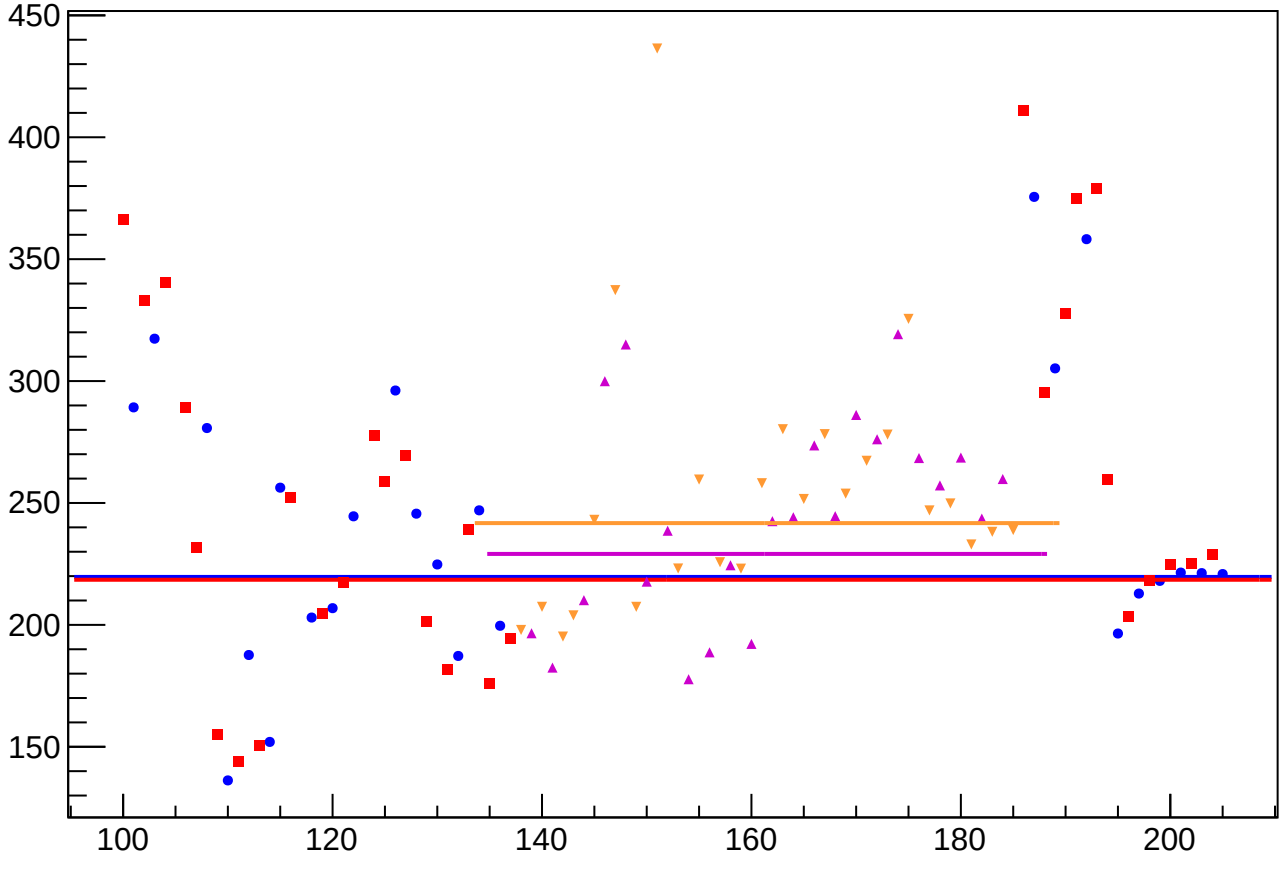
Right: -241.750+/-41.862 χ^2/NDF: 15001.7/54

In: 243.587+/-40.693 χ^2/NDF:7794.6/47

Out: 180.163+/-40.426 χ^2/NDF:9889.3/54

All: 211.667+/-28.679 χ^2/NDF: 17685.1/102

asym_bpm0l01WS_rms vs Slug, Sign Corrected



Right In: 219.667+/-0.043 χ^2/NDF: 1171405.8/24

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.509+/-0.041 χ^2/NDF: 1908850.2/29

Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

Left: 235.300+/-0.028 χ^2/NDF: 2106890.7/47

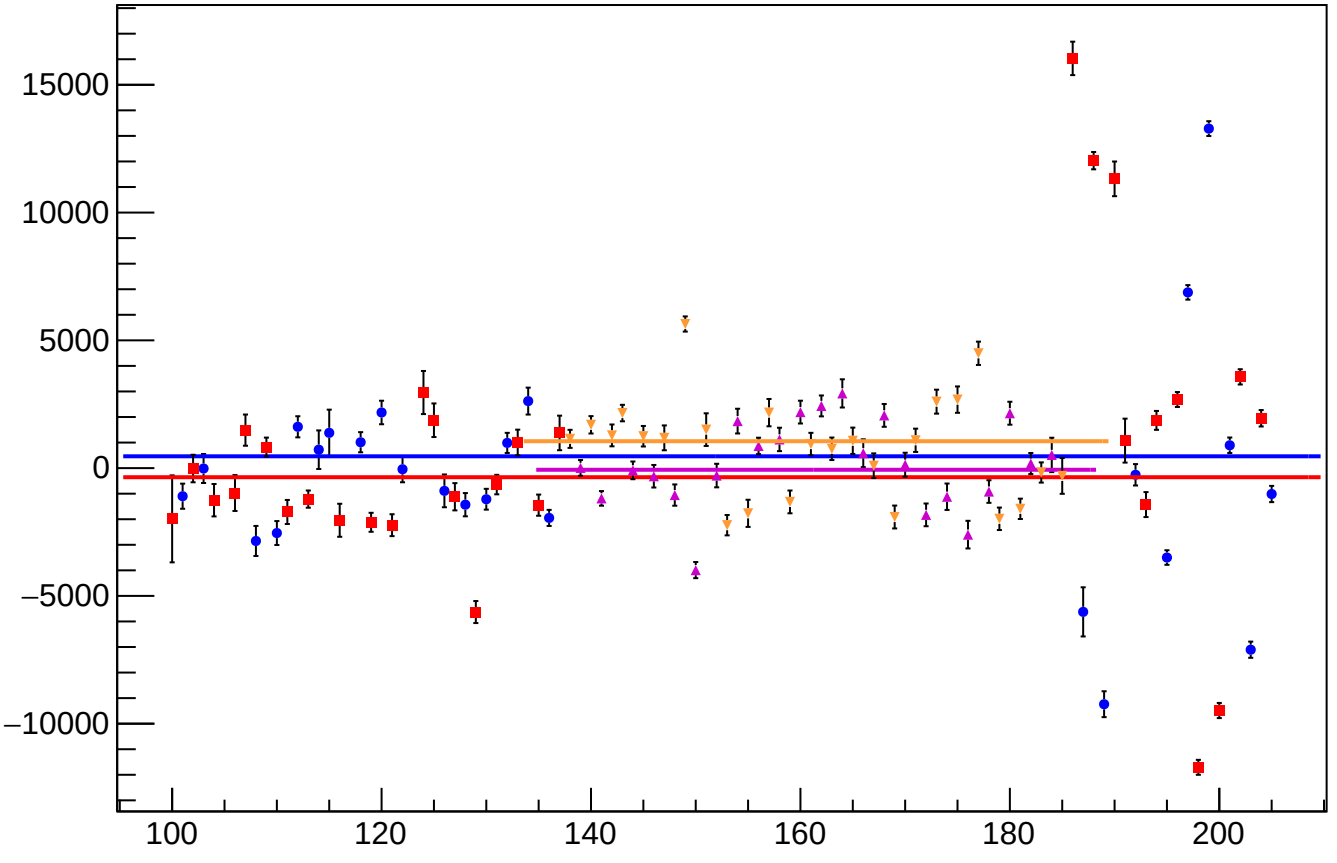
Right: 219.067+/-0.030 χ^2/NDF: 3080637.9/54

In: 224.807+/-0.029 χ^2/NDF:2267040.2/47

Out: 230.517+/-0.029 χ^2/NDF:3060251.7/54

All: 227.681+/-0.020 χ^2/NDF: 5347110.3/102

asym_bpm0l02WS_mean vs Slug, Sign Corrected



Right In: 462.842+/-81.686 χ^2/NDF: 3879.8/24

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -355.650+/-79.094 χ^2/NDF: 5371.2/29

Left In: -64.646+/-86.660 χ^2/NDF:394.4/22

Left: 499.305+/-61.006 χ^2/NDF: 1093.0/47

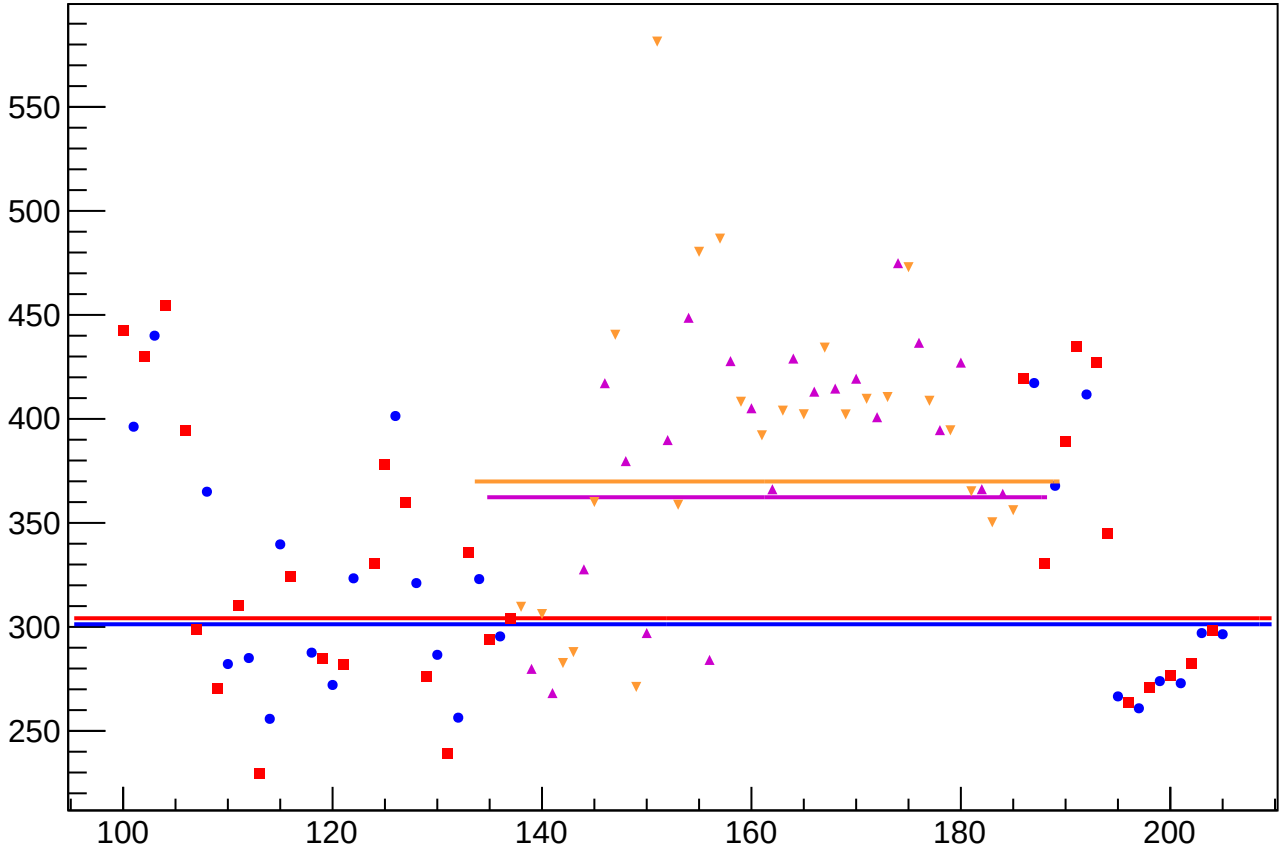
Right: 40.406+/-56.822 χ^2/NDF: 9302.8/54

In: 214.669+/-59.441 χ^2/NDF:4293.9/47

Out: 290.867+/-58.184 χ^2/NDF:6131.4/54

All: 253.583+/-41.580 χ^2/NDF: 10426.1/102

asym_bpm0l02WS_rms vs Slug, Sign Corrected



Right In: 301.273+/-0.058 χ^2/NDF: 643390.7/24

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 304.166+/-0.056 χ^2/NDF: 916620.0/29

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

Left: 366.166+/-0.043 χ^2/NDF: 2291420.1/47

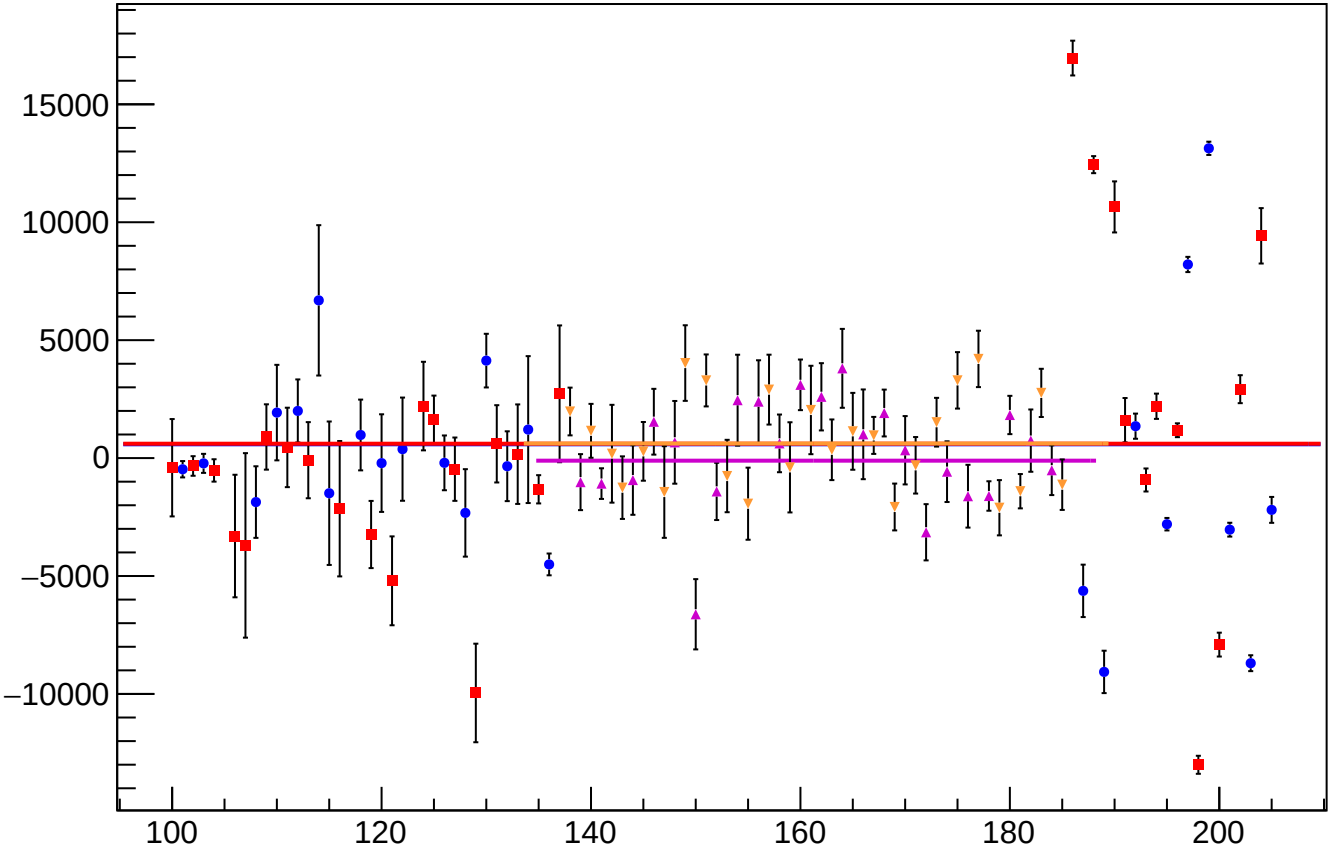
Right: 302.766+/-0.040 χ^2/NDF: 1561304.9/54

In: 330.004+/-0.042 χ^2/NDF:2222686.1/47

Out: 334.338+/-0.041 χ^2/NDF:2781238.4/54

All: 332.218+/-0.029 χ^2/NDF: 5009354.5/102

asym_bpm0l03WS_mean vs Slug, Sign Corrected



Right In: 584.722+/-105.619 χ^2/NDF: 3955.1/24

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: 609.304+/-125.491 χ^2/NDF: 3369.2/29

Left In: -109.519+/-237.827 χ^2/NDF:71.7/22

Left: 254.016+/-168.283 χ^2/NDF: 142.1/47

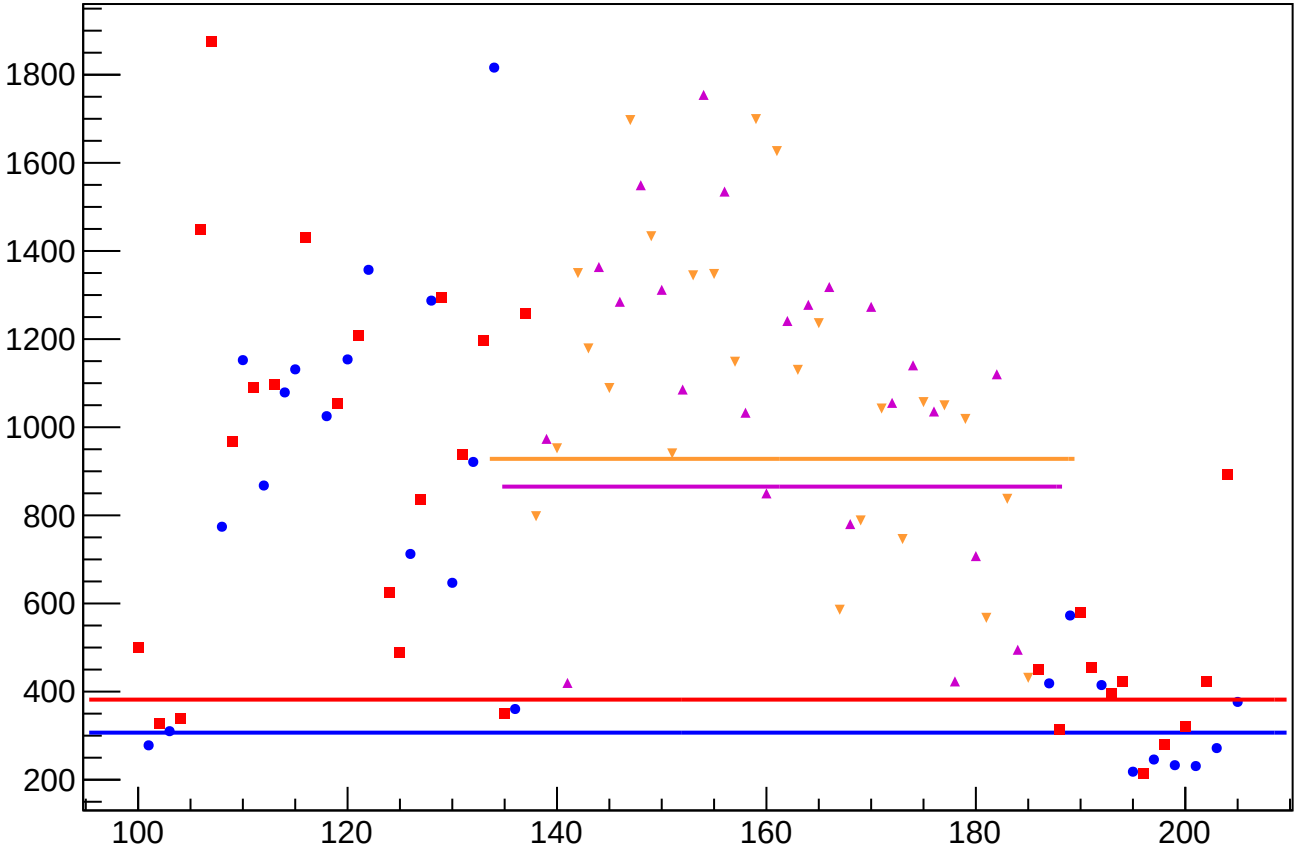
Right: 594.915+/-80.807 χ^2/NDF: 7324.3/54

In: 470.356+/-96.528 χ^2/NDF:4033.9/47

Out: 611.311+/-111.020 χ^2/NDF:3434.9/54

All: 531.039+/-72.844 χ^2/NDF: 7469.7/102

asym_bpm0l03WS_rms vs Slug, Sign Corrected



Right In: 306.859+/-0.075 χ^2/NDF: 5144496.2/24

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 381.820+/-0.089 χ^2/NDF: 5665289.6/29

Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

Left: 896.689+/-0.119 χ^2/NDF: 8157507.8/47

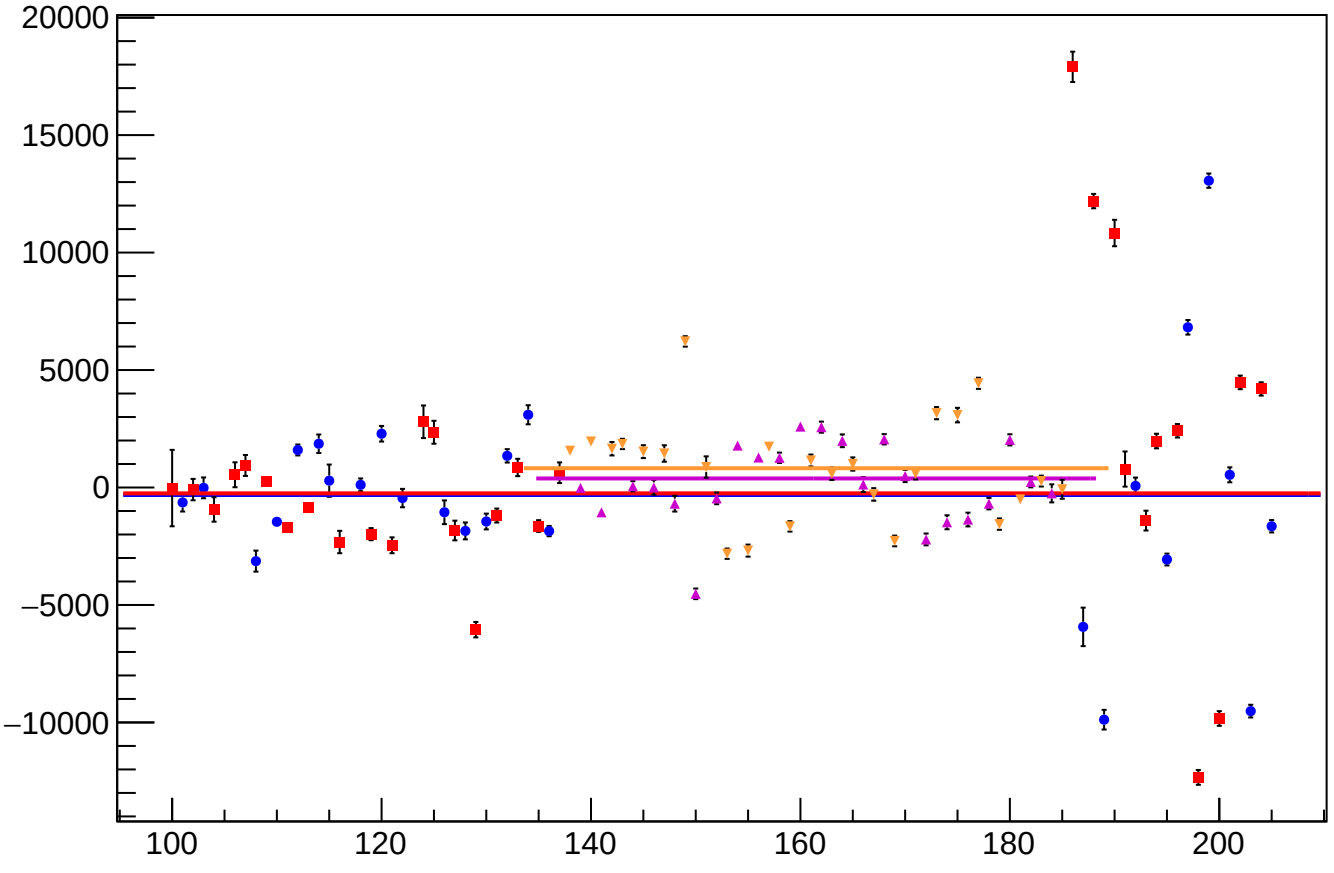
Right: 337.942+/-0.057 χ^2/NDF: 11227515.2/54

In: 398.842+/-0.068 χ^2/NDF:19145166.8/47

Out: 500.569+/-0.079 χ^2/NDF:17200705.3/54

All: 442.637+/-0.052 χ^2/NDF: 37302154.5/10

asym_bpm0l04WS_mean vs Slug, Sign Corrected



Right In: -319.324+/-63.664 χ^2/NDF: 4753.7/24

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -249.840+/-59.962 χ^2/NDF: 6513.3/29

Left In: 385.002+/-48.455 χ^2/NDF:1253.3/22

Left: 596.090+/-34.795 χ^2/NDF: 3283.3/47

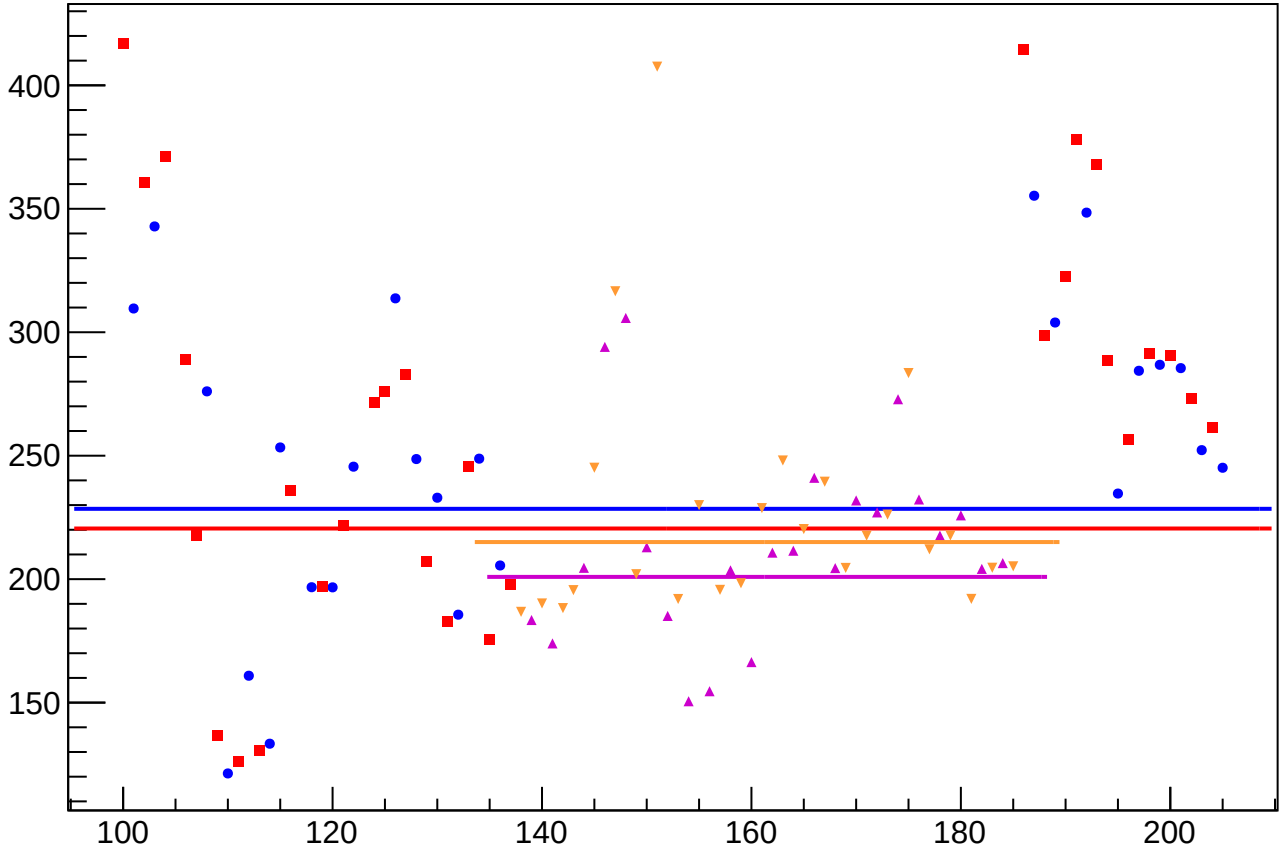
Right: -282.503+/-43.649 χ^2/NDF: 11267.6/54

In: 126.655+/-38.557 χ^2/NDF:6084.5/47

Out: 381.735+/-38.399 χ^2/NDF:8692.1/54

All: 254.719+/-27.208 χ^2/NDF: 14798.6/102

asym_bpm0l04WS_rms vs Slug, Sign Corrected



Right In: 228.484+/-0.045 χ^2/NDF: 1845157.7/24

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 220.510+/-0.042 χ^2/NDF: 3071197.0/29

Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

Left: 207.751+/-0.025 χ^2/NDF: 2085775.1/47

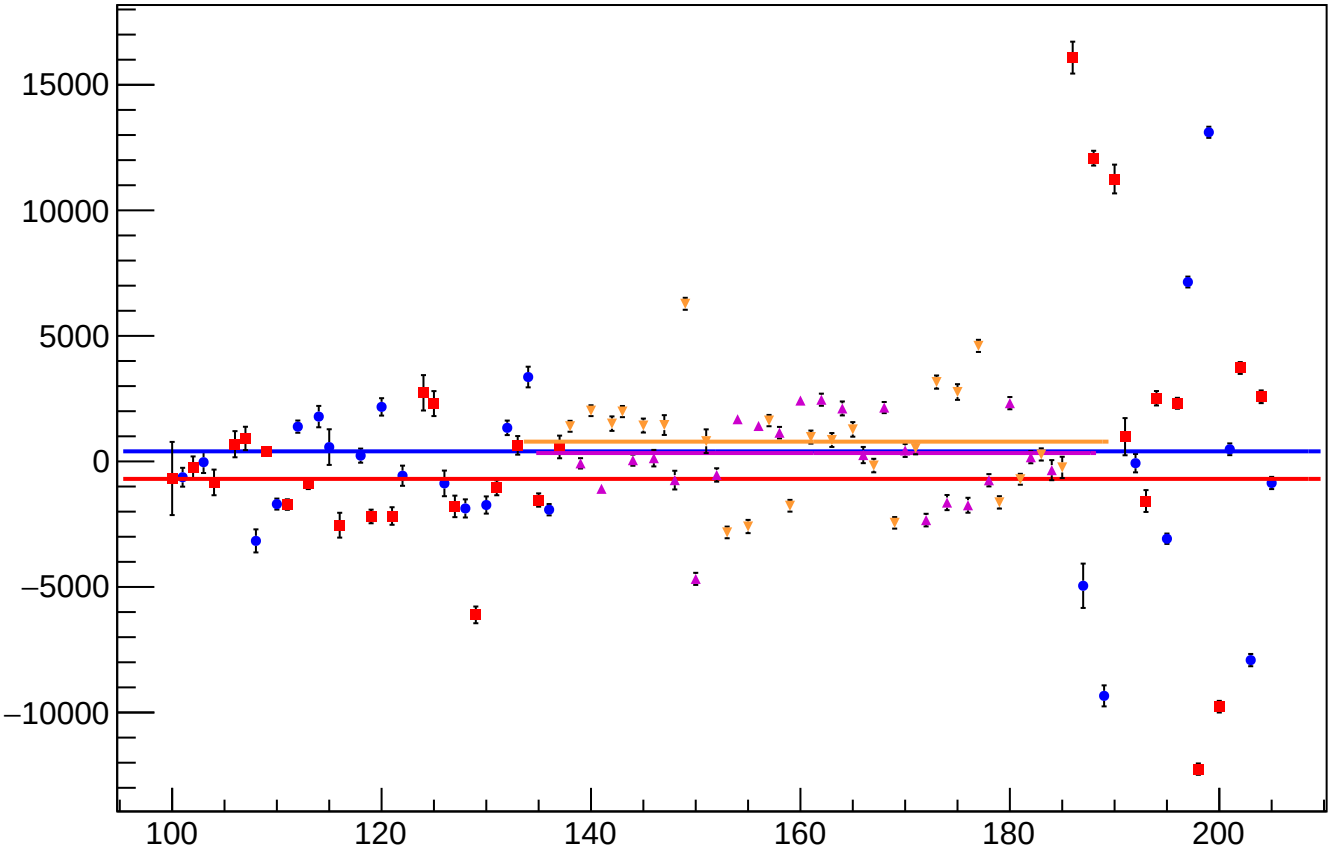
Right: 224.258+/-0.031 χ^2/NDF: 4932984.5/54

In: 211.029+/-0.027 χ^2/NDF:3188454.4/47

Out: 217.275+/-0.027 χ^2/NDF:3978852.8/54

All: 214.165+/-0.019 χ^2/NDF: 7193662.3/102

asym_bpm0l05WS_mean vs Slug, Sign Corrected



Right In: 401.647+/-59.935 χ^2/NDF: 6778.1/24

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -696.014+/-57.511 χ^2/NDF: 8495.8/29

Left In: 333.303+/-50.194 χ^2/NDF:1215.2/22

Left: 555.203+/-35.920 χ^2/NDF: 3145.5/47

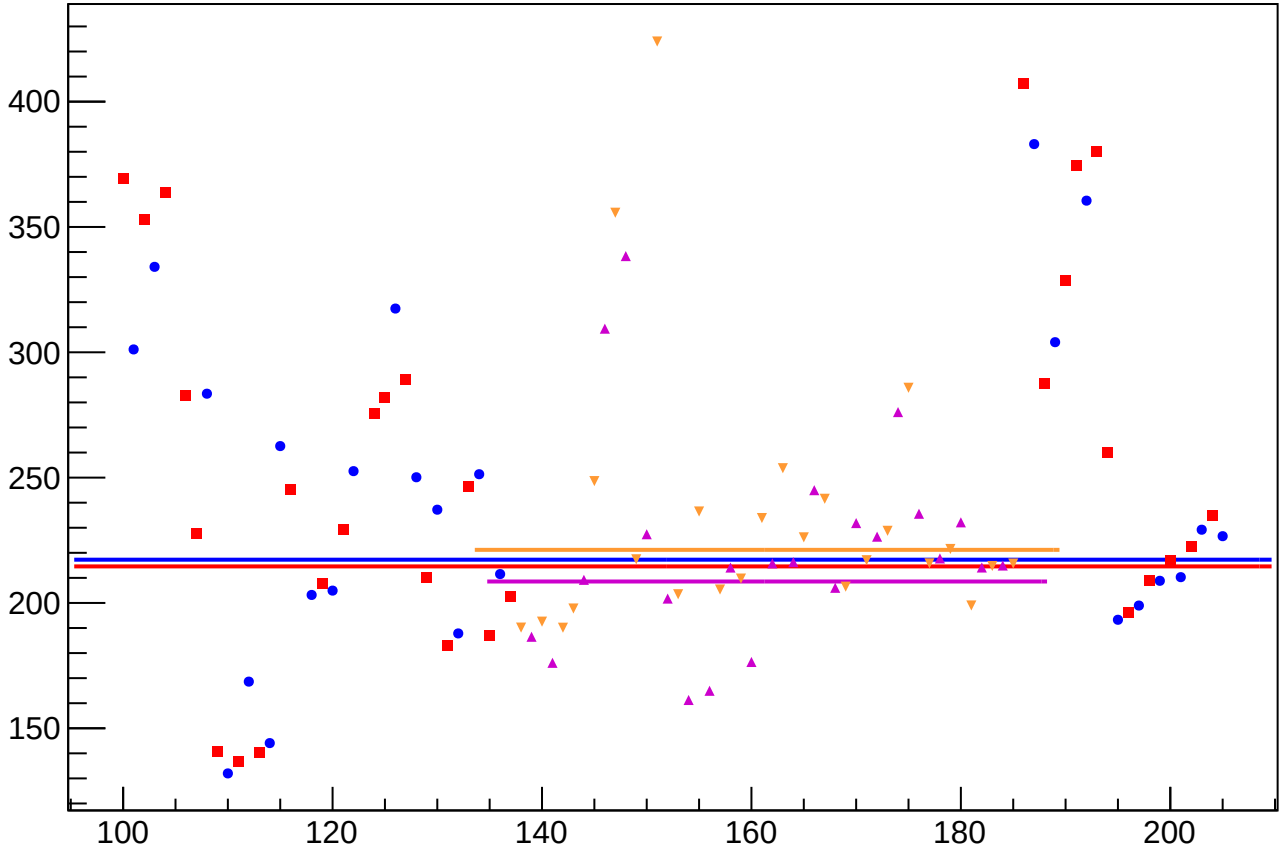
Right: -169.825+/-41.497 χ^2/NDF: 15448.5/54

In: 361.477+/-38.482 χ^2/NDF:7994.0/47

Out: 128.714+/-38.334 χ^2/NDF:10756.1/54

All: 244.650+/-27.158 χ^2/NDF: 18768.5/102

asym_bpm0l05WS_rms vs Slug, Sign Corrected



Right In: 217.260+/-0.042 χ^2/NDF: 1410514.9/24

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.580+/-0.041 χ^2/NDF: 2264936.8/29

Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

Left: 214.718+/-0.025 χ^2/NDF: 2036930.5/47

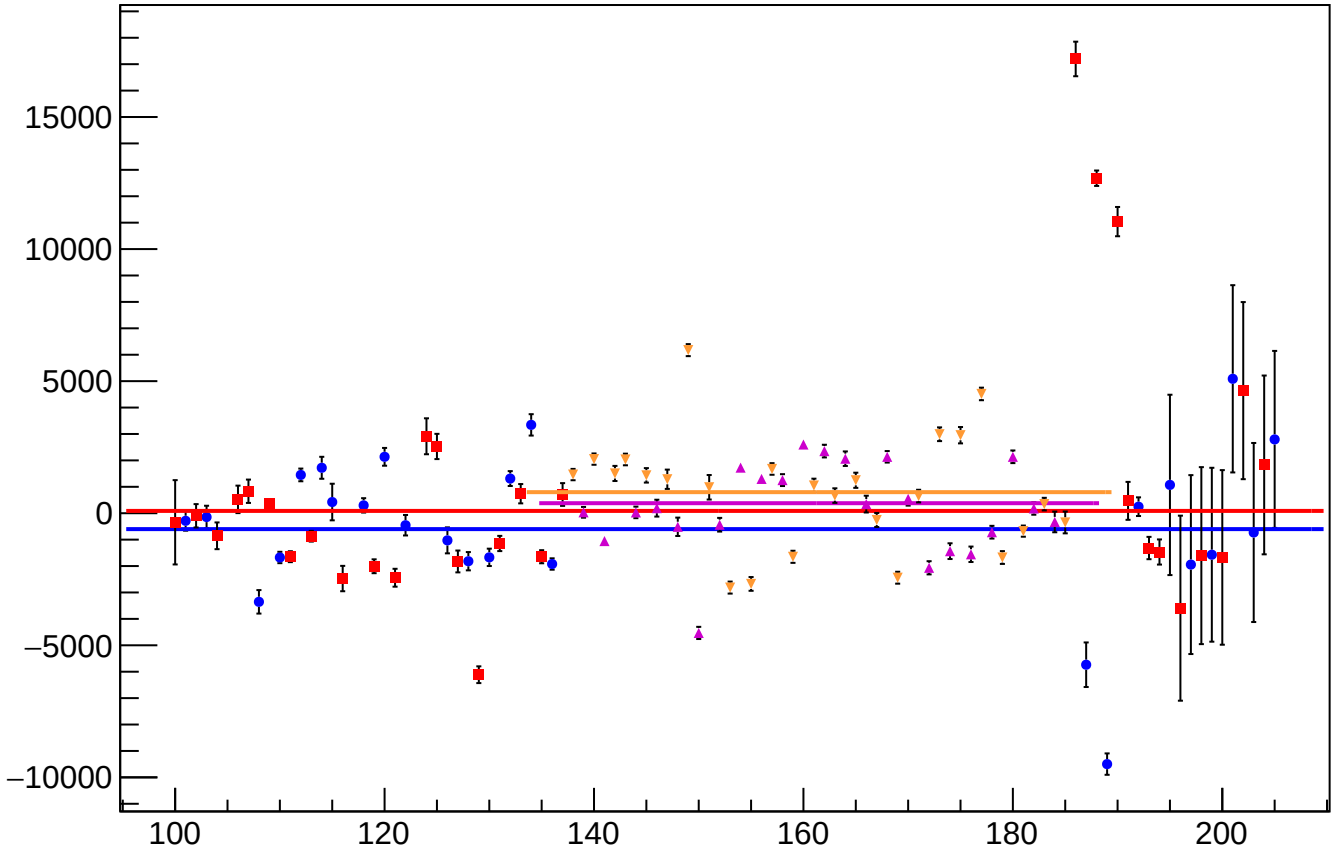
Right: 215.865+/-0.029 χ^2/NDF: 3677533.5/54

In: 212.144+/-0.027 χ^2/NDF:2470942.6/47

Out: 218.250+/-0.027 χ^2/NDF:3219117.9/54

All: 215.209+/-0.019 χ^2/NDF: 5715336.9/102

asym_bpm0l06WS_mean vs Slug, Sign Corrected



Right In: -601.619+/-76.378 χ^2/NDF: 980.6/24

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: 87.534+/-68.115 χ^2/NDF: 3733.9/29

Left In: 379.578+/-49.183 χ^2/NDF:1201.2/22

Left: 583.028+/-35.232 χ^2/NDF: 3197.2/47

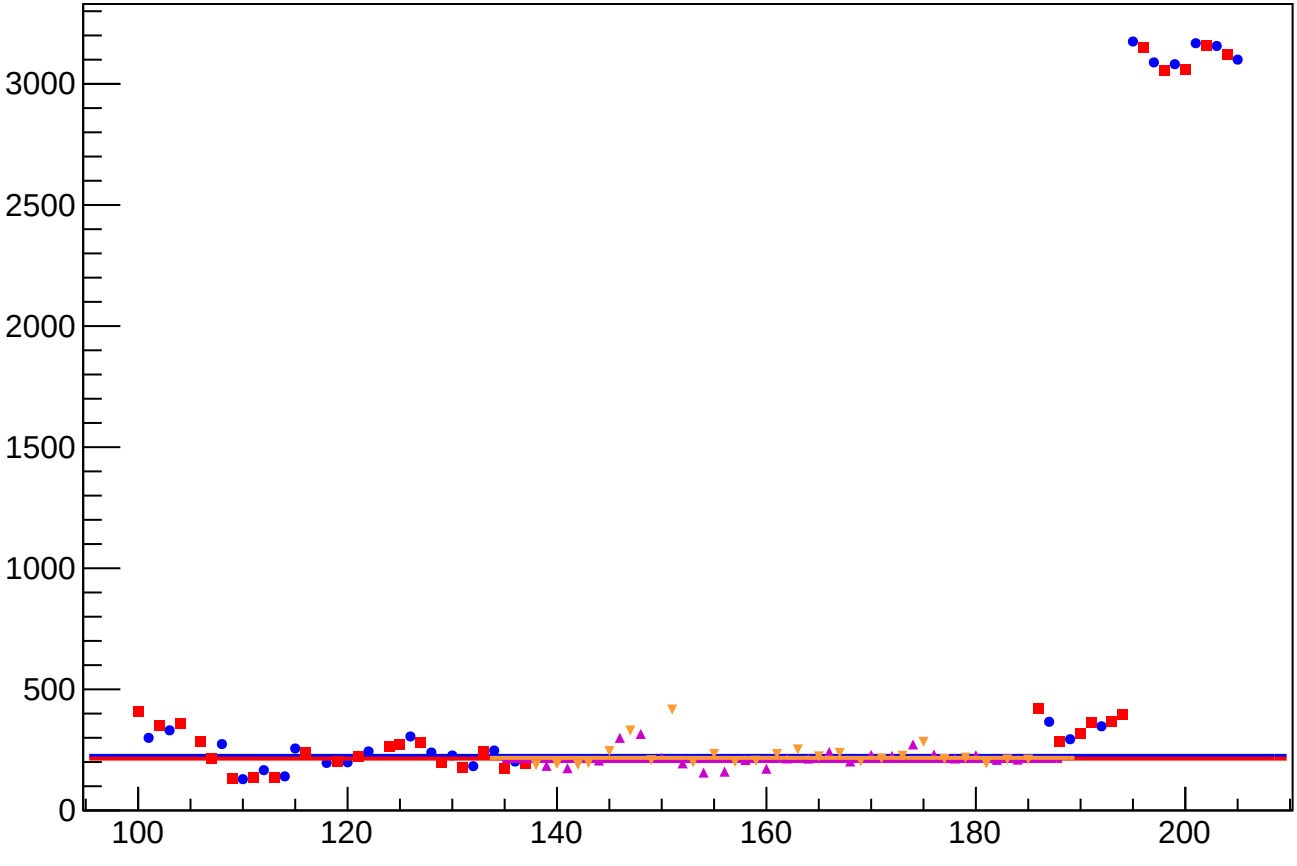
Right: -217.763+/-50.836 χ^2/NDF: 4759.8/54

In: 91.968+/-41.351 χ^2/NDF:2298.5/47

Out: 545.693+/-40.564 χ^2/NDF:5764.8/54

All: 323.189+/-28.958 χ^2/NDF: 8124.6/102

asym_bpm0l06WS_rms vs Slug, Sign Corrected



Right In: 225.339+/-0.054 χ^2/NDF: 10129148.4/24

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 214.104+/-0.048 χ^2/NDF: 9972695.3/29

Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

Left: 210.596+/-0.025 χ^2/NDF: 1992646.9/47

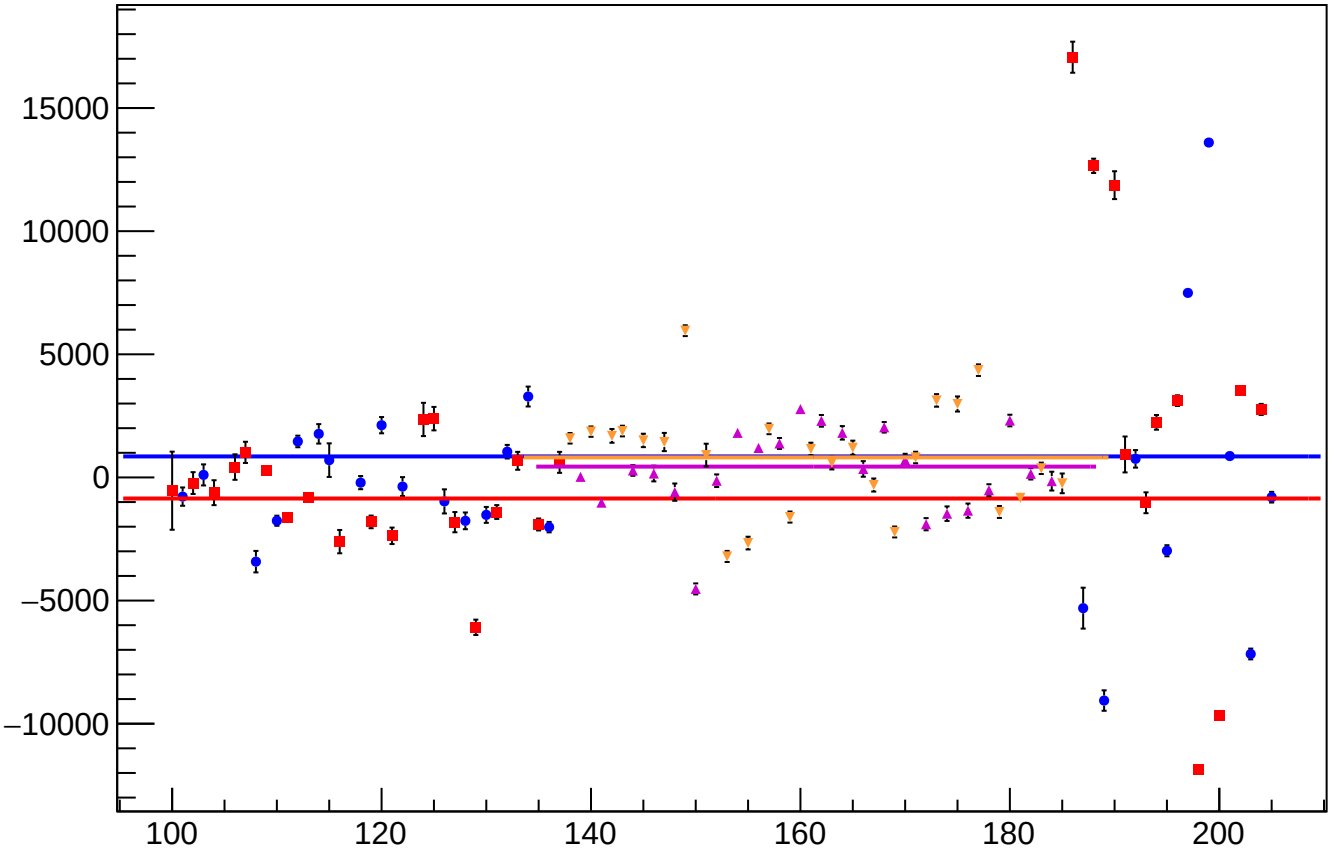
Right: 219.081+/-0.036 χ^2/NDF: 20125947.4/54

In: 210.473+/-0.029 χ^2/NDF:11251388.1/47

Out: 216.118+/-0.029 χ^2/NDF:10885848.9/54

All: 213.349+/-0.020 χ^2/NDF: 22156231.7/10

asym_bpm0l07WS_mean vs Slug, Sign Corrected



Right In: 853.104+/-56.064 χ^2/NDF: 8741.8/24

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -855.542+/-53.596 χ^2/NDF: 10244.0/29

Left In: 439.674+/-48.535 χ^2/NDF:1235.0/22

Left: 622.309+/-34.745 χ^2/NDF: 3264.4/47

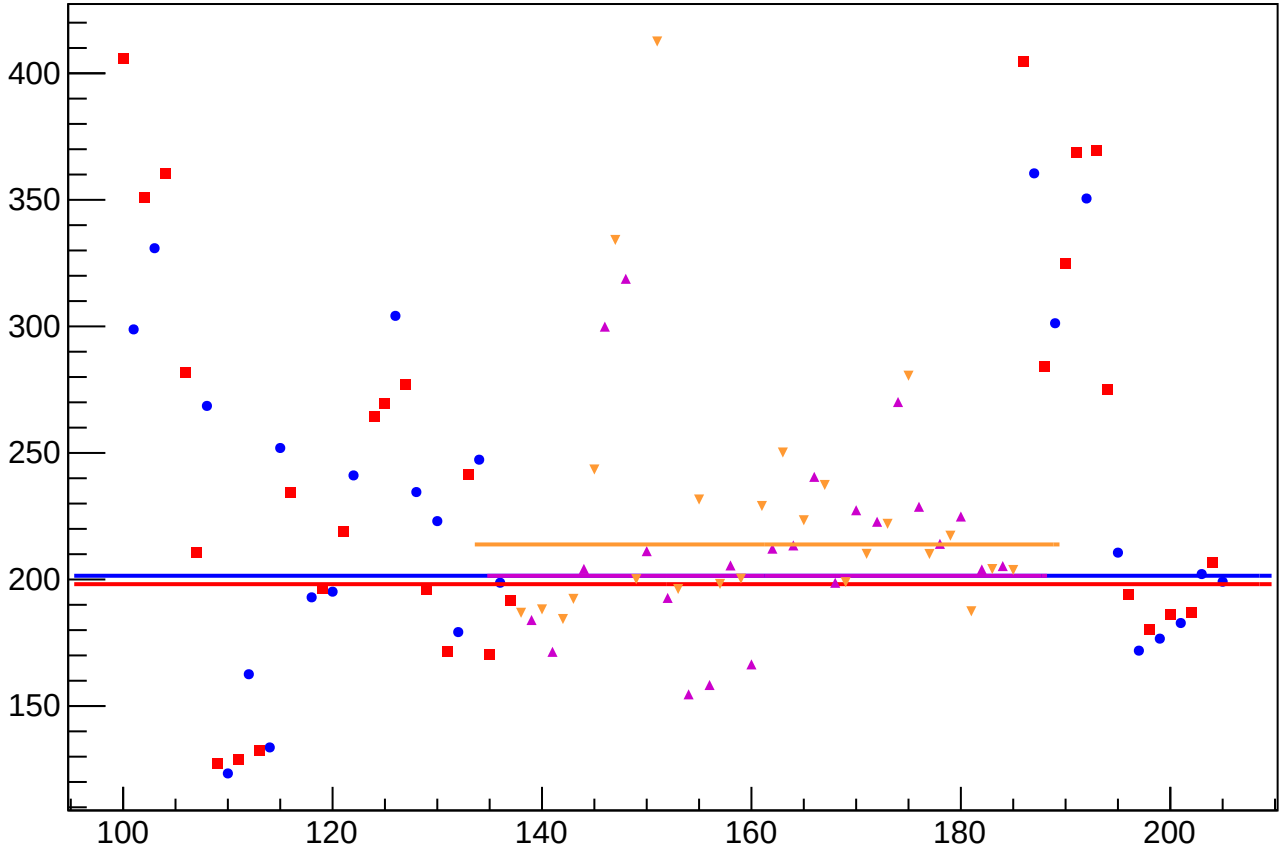
Right: -39.657+/-38.741 χ^2/NDF: 19471.1/54

In: 616.785+/-36.695 χ^2/NDF:10007.9/47

Out: 41.257+/-36.466 χ^2/NDF:12765.7/54

All: 327.222+/-25.866 χ^2/NDF: 22897.3/102

asym_bpm0l07WS_rms vs Slug, Sign Corrected



Right In: 201.477+/-0.040 χ^2/NDF: 1600947.9/24

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 198.156+/-0.038 χ^2/NDF: 2637118.8/29

Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

Left: 207.492+/-0.025 χ^2/NDF: 2089227.0/47

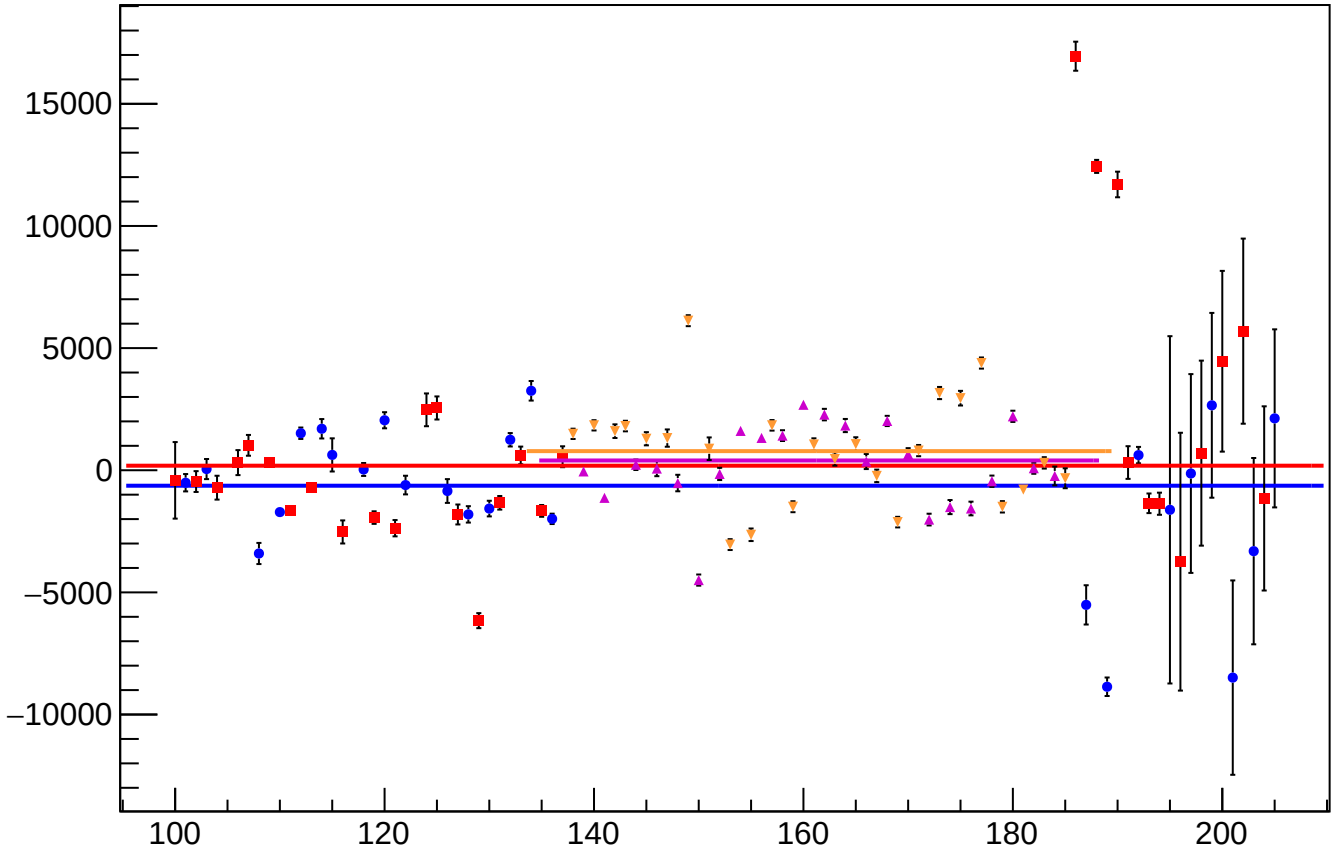
Right: 199.742+/-0.027 χ^2/NDF: 4241733.0/54

In: 201.459+/-0.026 χ^2/NDF:2662920.6/47

Out: 206.584+/-0.026 χ^2/NDF:3692780.2/54

All: 204.037+/-0.018 χ^2/NDF: 6375327.1/102

asym_bpm0l08WS_mean vs Slug, Sign Corrected



Right In: -633.475+/-73.993 χ^2/NDF: 998.2/24

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: 186.230+/-65.436 χ^2/NDF: 4276.1/29

Left In: 399.798+/-47.819 χ^2/NDF:1232.0/22

Left: 585.651+/-34.291 χ^2/NDF: 3264.4/47

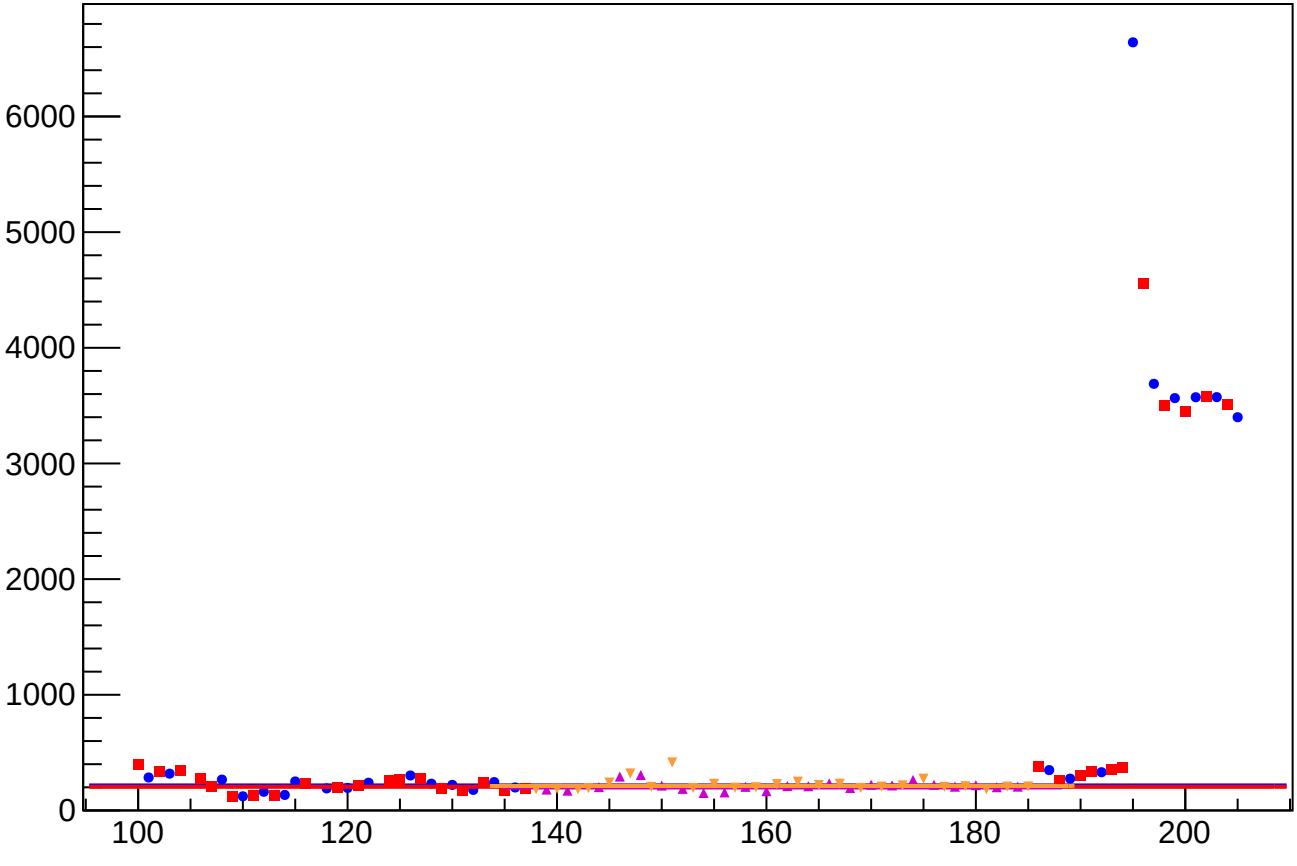
Right: -173.505+/-49.018 χ^2/NDF: 5343.1/54

In: 95.388+/-40.162 χ^2/NDF:2367.8/47

Out: 567.090+/-39.324 χ^2/NDF:6330.4/54

All: 336.210+/-28.098 χ^2/NDF: 8768.5/102

asym_bpm0l08WS_rms vs Slug, Sign Corrected



Right In: 216.353+/-0.052 χ^2/NDF: 10502924.1/24

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 204.201+/-0.046 χ^2/NDF: 10136460.5/29

Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

Left: 204.826+/-0.024 χ^2/NDF: 2012924.3/47

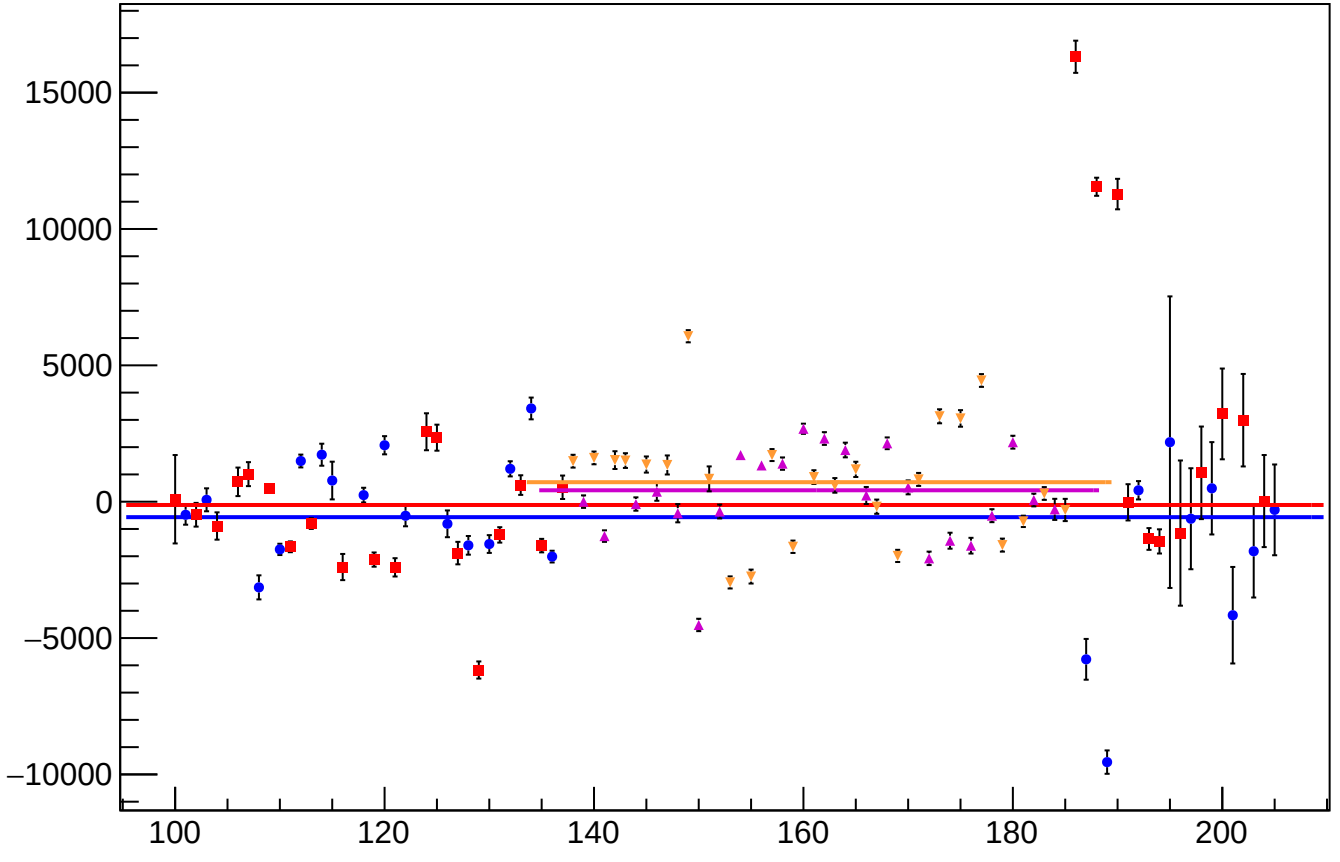
Right: 209.534+/-0.035 χ^2/NDF: 20669654.2/54

In: 203.777+/-0.028 χ^2/NDF:11591286.9/47

Out: 208.861+/-0.028 χ^2/NDF:11087317.1/54

All: 206.373+/-0.020 χ^2/NDF: 22694968.7/10

asym_bpm0l09WS_mean vs Slug, Sign Corrected



Right In: -566.774+/-74.933 χ^2/NDF: 958.4/24

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -120.476+/-67.080 χ^2/NDF: 3166.5/29

Left In: 418.574+/-49.523 χ^2/NDF:1241.0/22

Left: 562.426+/-35.566 χ^2/NDF: 3176.4/47

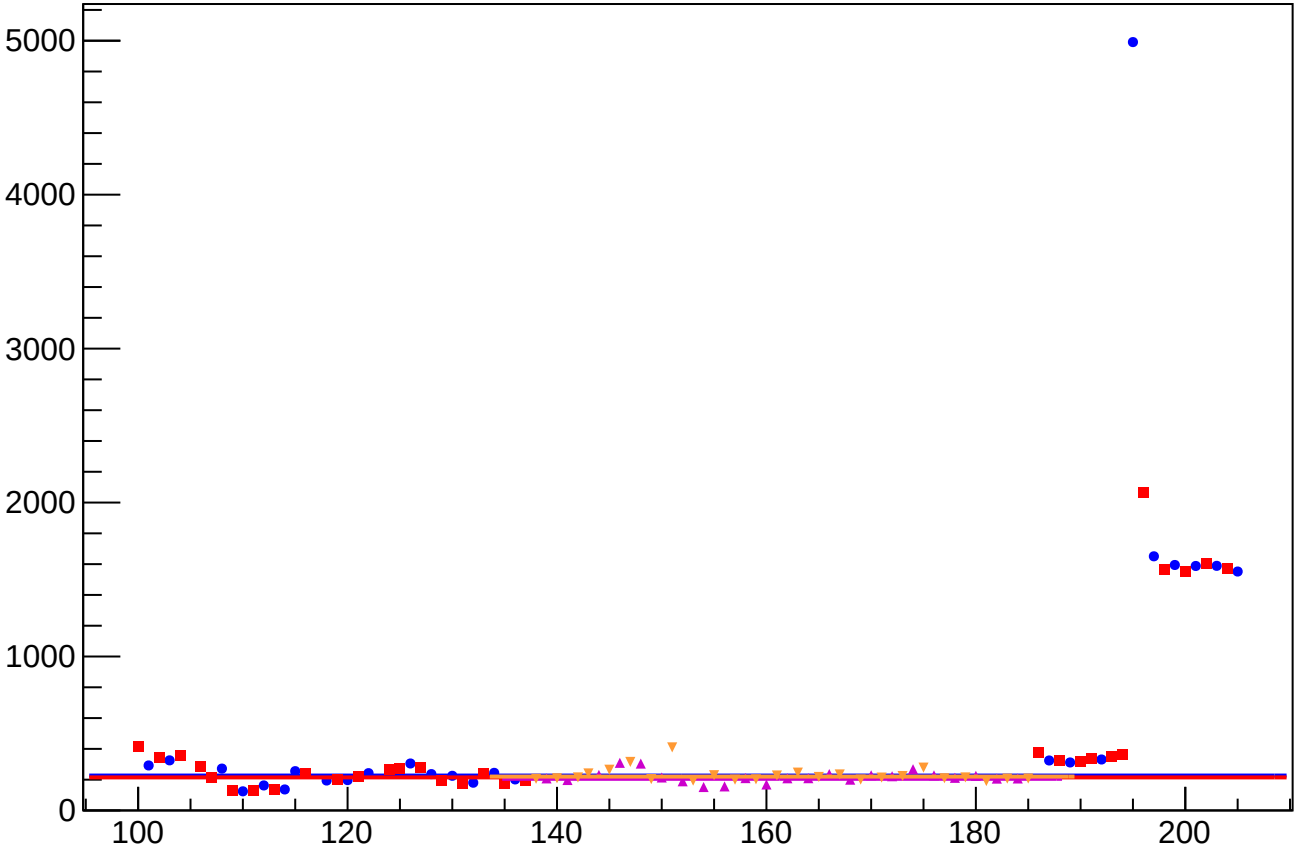
Right: -319.021+/-49.979 χ^2/NDF: 4144.6/54

In: 119.025+/-41.316 χ^2/NDF:2319.7/47

Out: 408.537+/-40.654 χ^2/NDF:5182.8/54

All: 266.117+/-28.978 χ^2/NDF: 7527.5/102

asym_bpm0l09WS_rms vs Slug, Sign Corrected



Right In: 226.694+/-0.053 χ^2/NDF: 9249153.0/24

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 214.708+/-0.047 χ^2/NDF: 8878063.3/29

Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

Left: 212.582+/-0.025 χ^2/NDF: 1898571.5/47

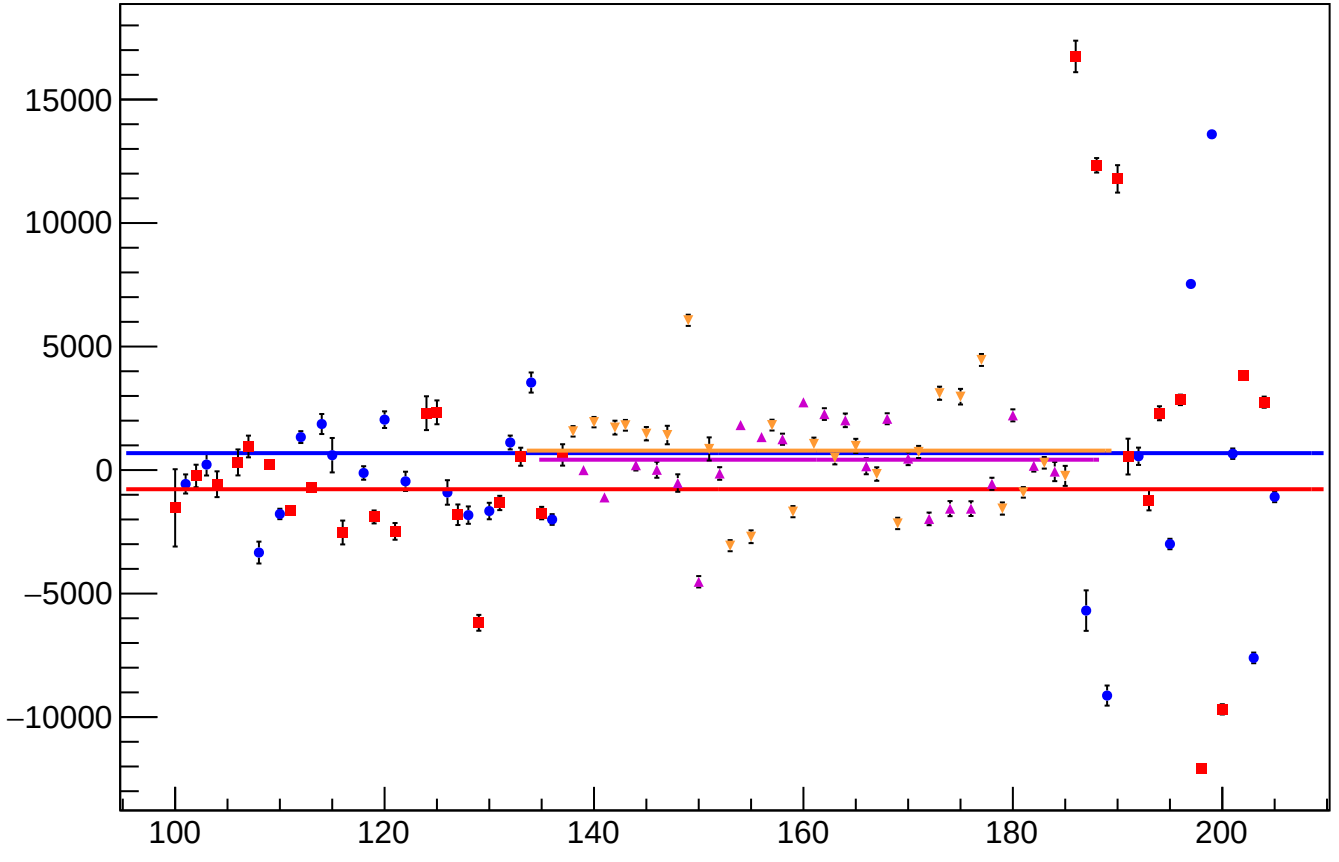
Right: 220.041+/-0.035 χ^2/NDF: 18155624.4/54

In: 211.930+/-0.029 χ^2/NDF:10374673.9/47

Out: 218.148+/-0.029 χ^2/NDF:9686074.9/54

All: 215.089+/-0.020 χ^2/NDF: 20083762.7/10

asym_bpm0l10WS_mean vs Slug, Sign Corrected



Right In: 685.087+/-56.686 χ^2/NDF: 8755.9/24

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -775.749+/-54.498 χ^2/NDF: 9896.7/29

Left In: 418.824+/-49.152 χ^2/NDF:1211.0/22

Left: 597.806+/-35.231 χ^2/NDF: 3175.8/47

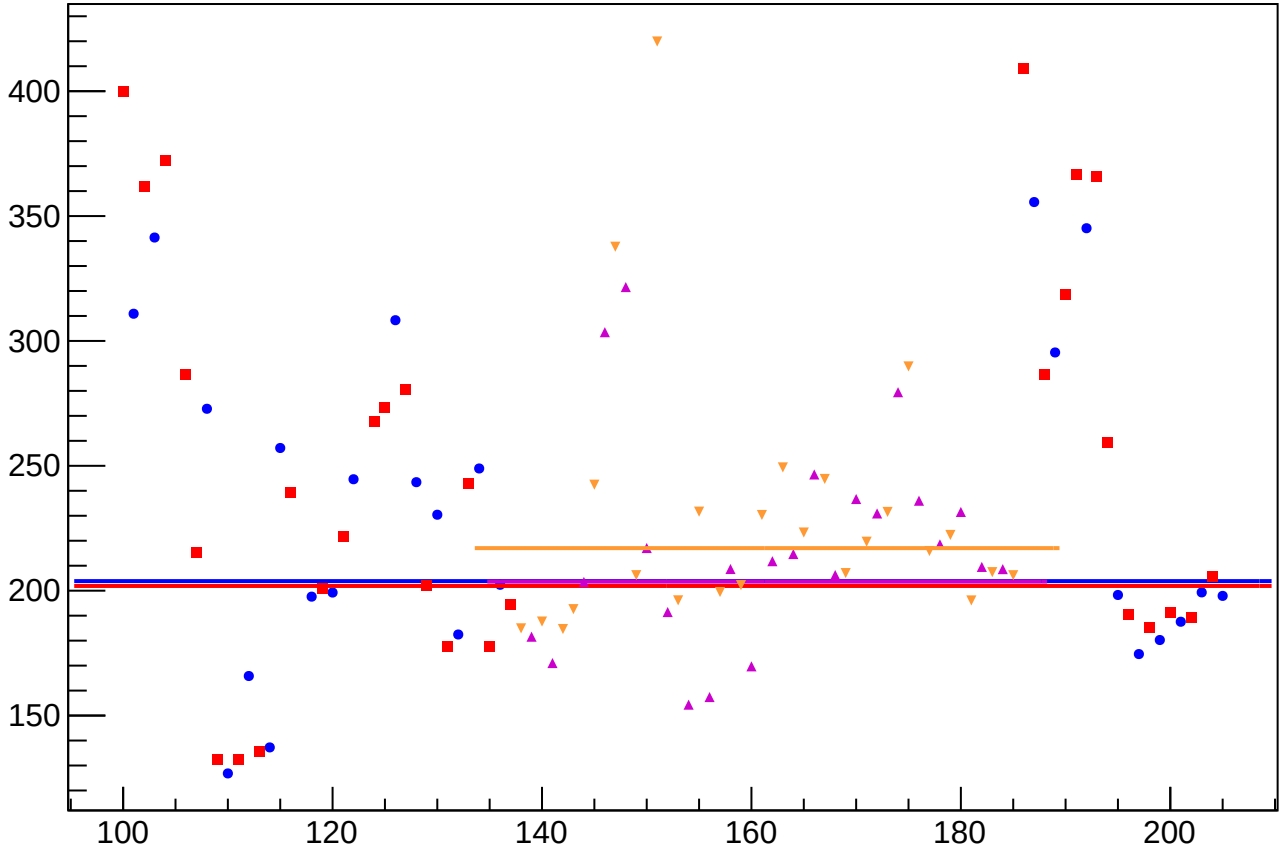
Right: -74.064+/-39.286 χ^2/NDF: 18997.7/54

In: 533.097+/-37.136 χ^2/NDF:9979.5/47

Out: 64.631+/-37.051 χ^2/NDF:12276.4/54

All: 298.331+/-26.229 χ^2/NDF: 22335.6/102

asym_bpm0l10WS_rms vs Slug, Sign Corrected



Right In: 203.835+/-0.040 χ^2/NDF: 1548109.9/24

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.896+/-0.039 χ^2/NDF: 2476762.9/29

Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

Left: 210.166+/-0.025 χ^2/NDF: 2220567.5/47

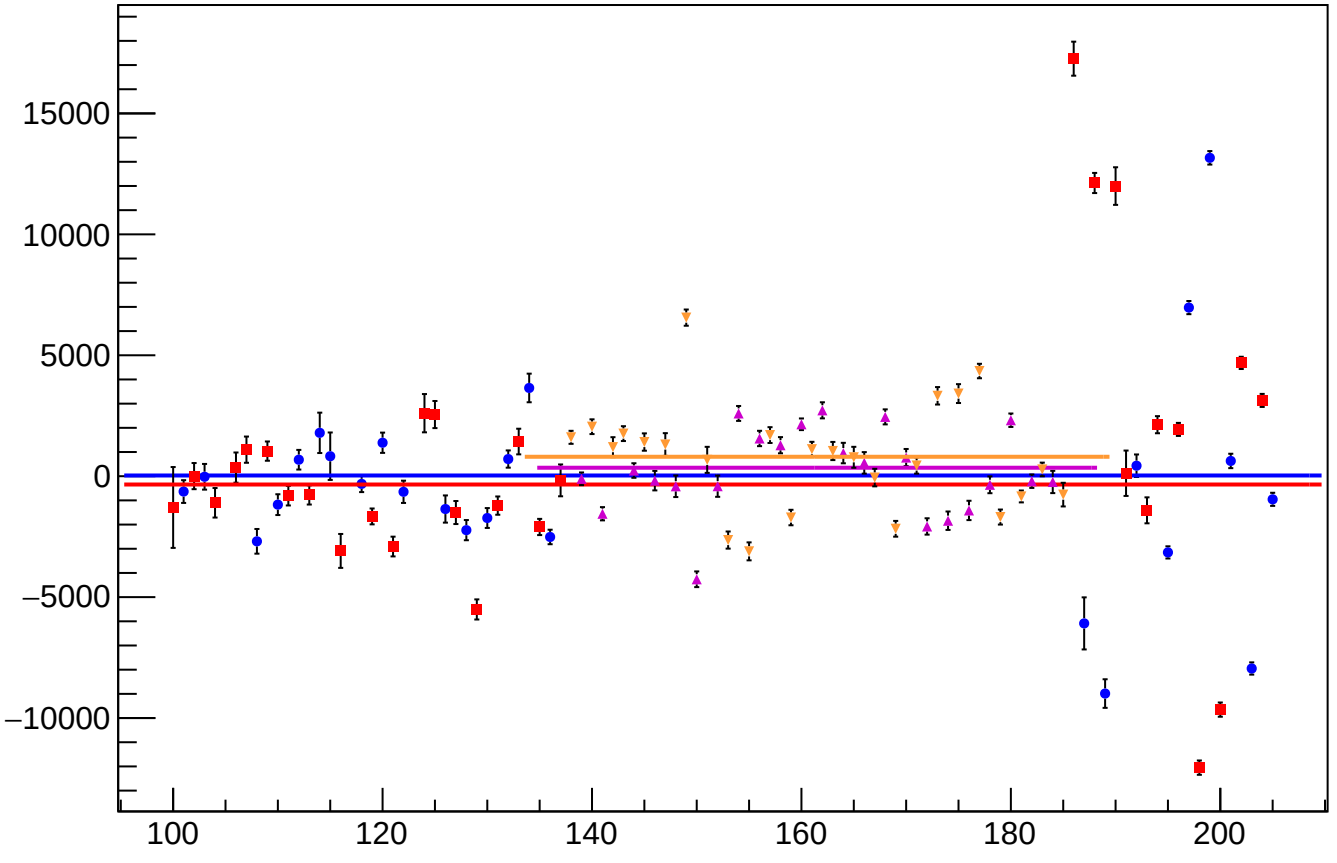
Right: 202.827+/-0.028 χ^2/NDF: 4026089.8/54

In: 203.735+/-0.026 χ^2/NDF:2713455.7/47

Out: 210.040+/-0.026 χ^2/NDF:3542991.9/54

All: 206.895+/-0.019 χ^2/NDF: 6285337.3/102

asym_bpm0r03WS_mean vs Slug, Sign Corrected



Right In: 29.506+/-76.131 χ^2/NDF: 4529.0/24

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -343.526+/-75.928 χ^2/NDF: 5367.9/29

Left In: 350.095+/-68.985 χ^2/NDF:656.1/22

Left: 581.210+/-48.316 χ^2/NDF: 1735.8/47

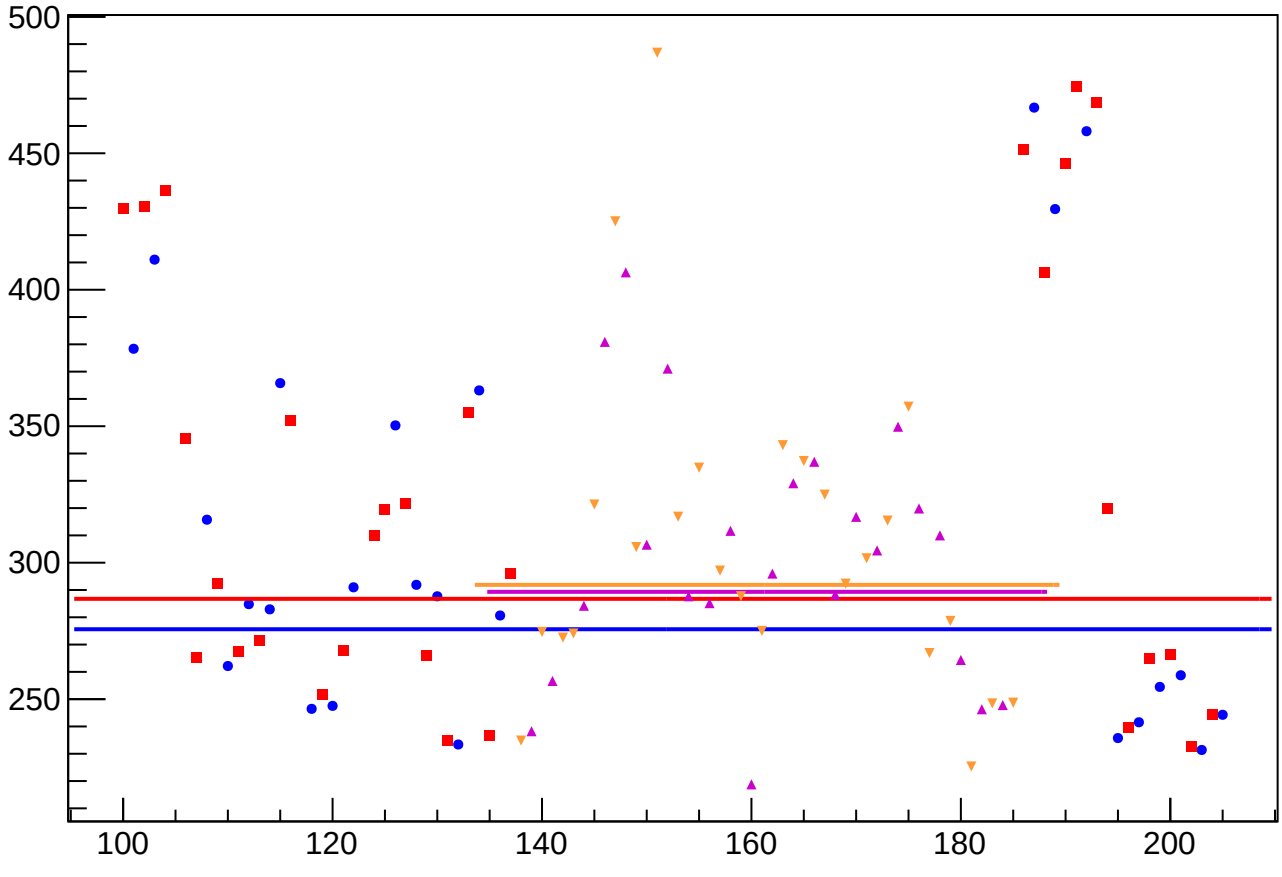
Right: -157.506+/-53.761 χ^2/NDF: 9909.0/54

In: 205.549+/-51.120 χ^2/NDF:5194.9/47

Out: 295.684+/-50.528 χ^2/NDF:6552.8/54

All: 251.141+/-35.936 χ^2/NDF: 11749.2/102

asym_bpm0r03WS_rms vs Slug, Sign Corrected



Right In: 275.620+/-0.054 χ^2/NDF: 1089088.1/24

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.758+/-0.054 χ^2/NDF: 1398110.2/29

Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

Left: 290.626+/-0.034 χ^2/NDF: 1769929.4/47

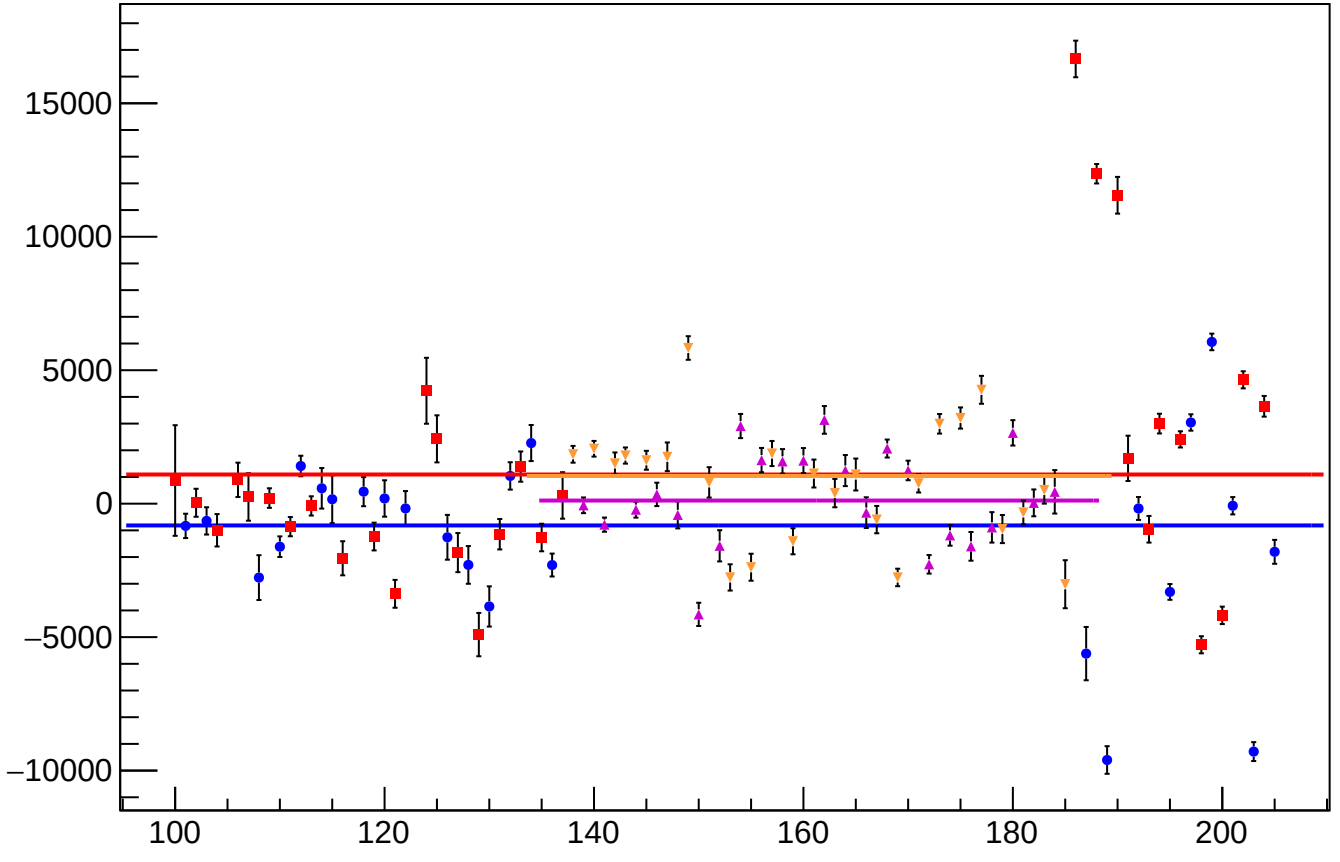
Right: 281.204+/-0.038 χ^2/NDF: 2508656.8/54

In: 283.144+/-0.036 χ^2/NDF:1933261.9/47

Out: 289.613+/-0.036 χ^2/NDF:2363105.7/54

All: 286.416+/-0.025 χ^2/NDF: 4312569.4/102

asym_bpm0r05WS_mean vs Slug, Sign Corrected



Right In: -815.748+/-92.813 χ^2/NDF: 1738.6/24

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: 1092.968+/-87.564 χ^2/NDF: 2892.6/29

Left In: 117.211+/-87.461 χ^2/NDF:370.4/22

Left: 589.317+/-61.029 χ^2/NDF: 997.4/47

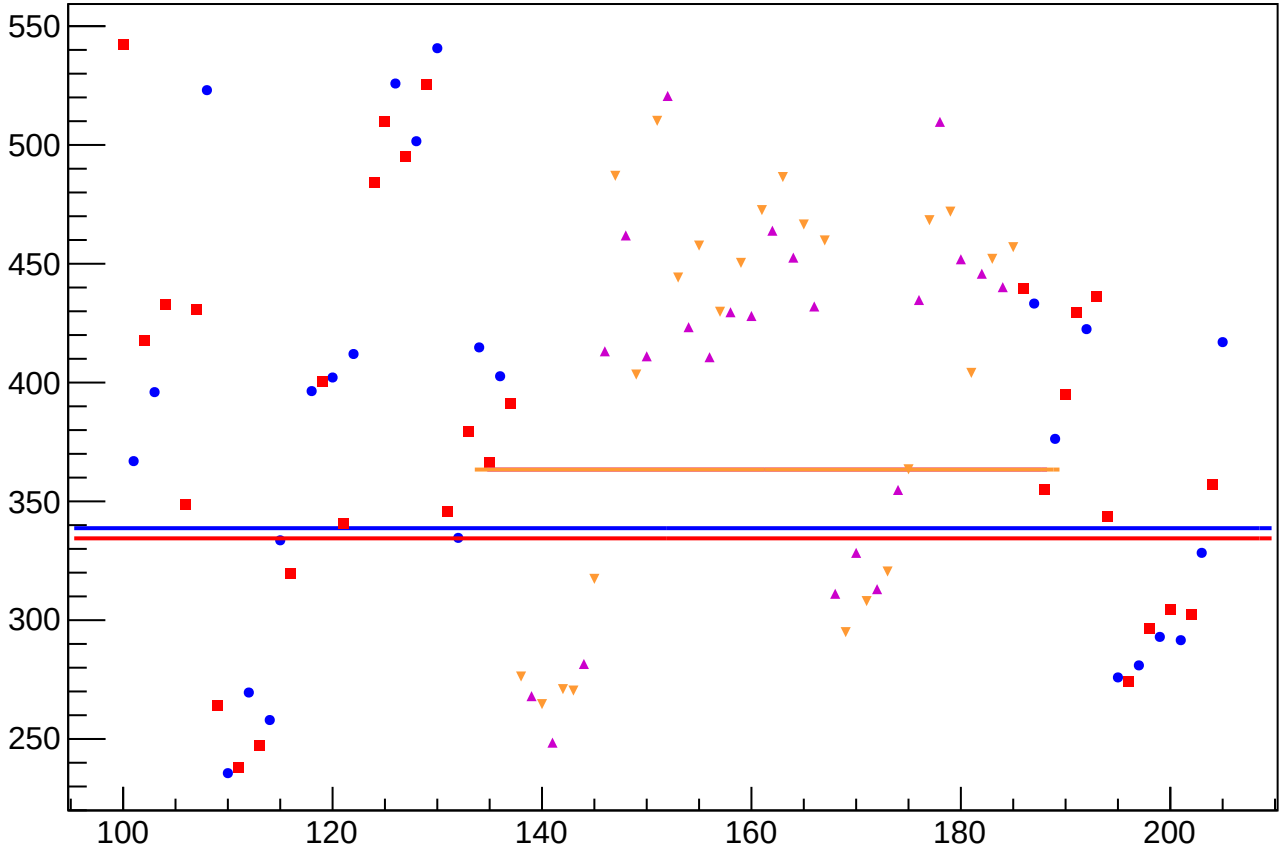
Right: 194.100+/-63.692 χ^2/NDF: 4854.9/54

In: -321.596+/-63.652 χ^2/NDF:2162.5/47

Out: 1064.388+/-61.064 χ^2/NDF:3463.0/54

All: 400.142+/-44.066 χ^2/NDF: 5872.4/102

asym_bpm0r05WS_rms vs Slug, Sign Corrected



Right In: 338.715+/-0.066 χ^2/NDF: 1258034.6/24

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 334.434+/-0.062 χ^2/NDF: 1189054.6/29

Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

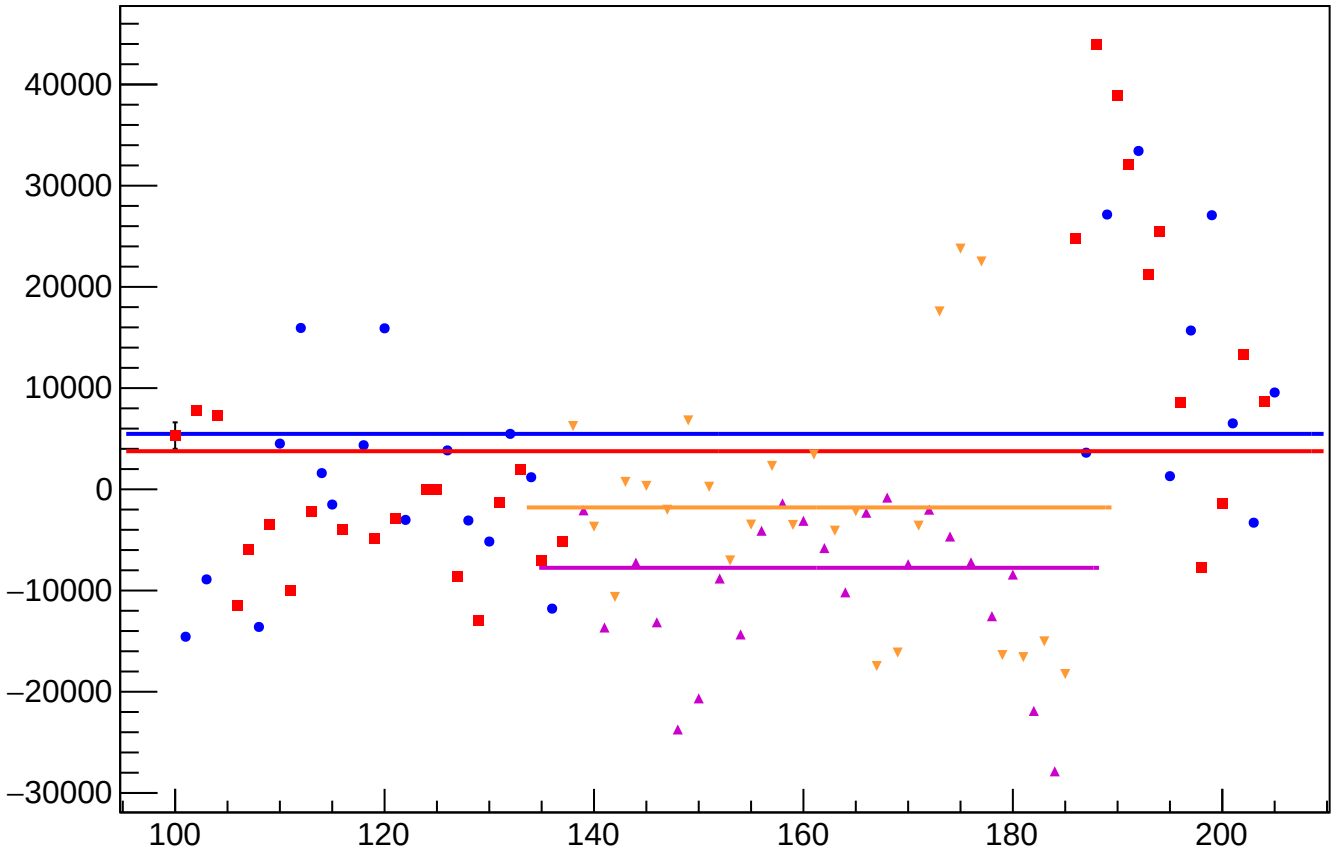
Left: 363.387+/-0.043 χ^2/NDF: 3652096.5/47

Right: 336.450+/-0.045 χ^2/NDF: 2449340.5/54

In: 351.782+/-0.045 χ^2/NDF:3044486.2/47

Out: 349.306+/-0.043 χ^2/NDF:3241874.2/54

All: 350.493+/-0.031 χ^2/NDF: 6287936.0/102



Right In: 5478.014+/-42.588 χ^2/NDF: 90417.3/24

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: 3766.635+/-40.412 χ^2/NDF: 136201.2/29

Left In: -7754.468+/-42.571 χ^2/NDF:23278.0/22

Left: -4653.749+/-29.498 χ^2/NDF: 99228.2/47

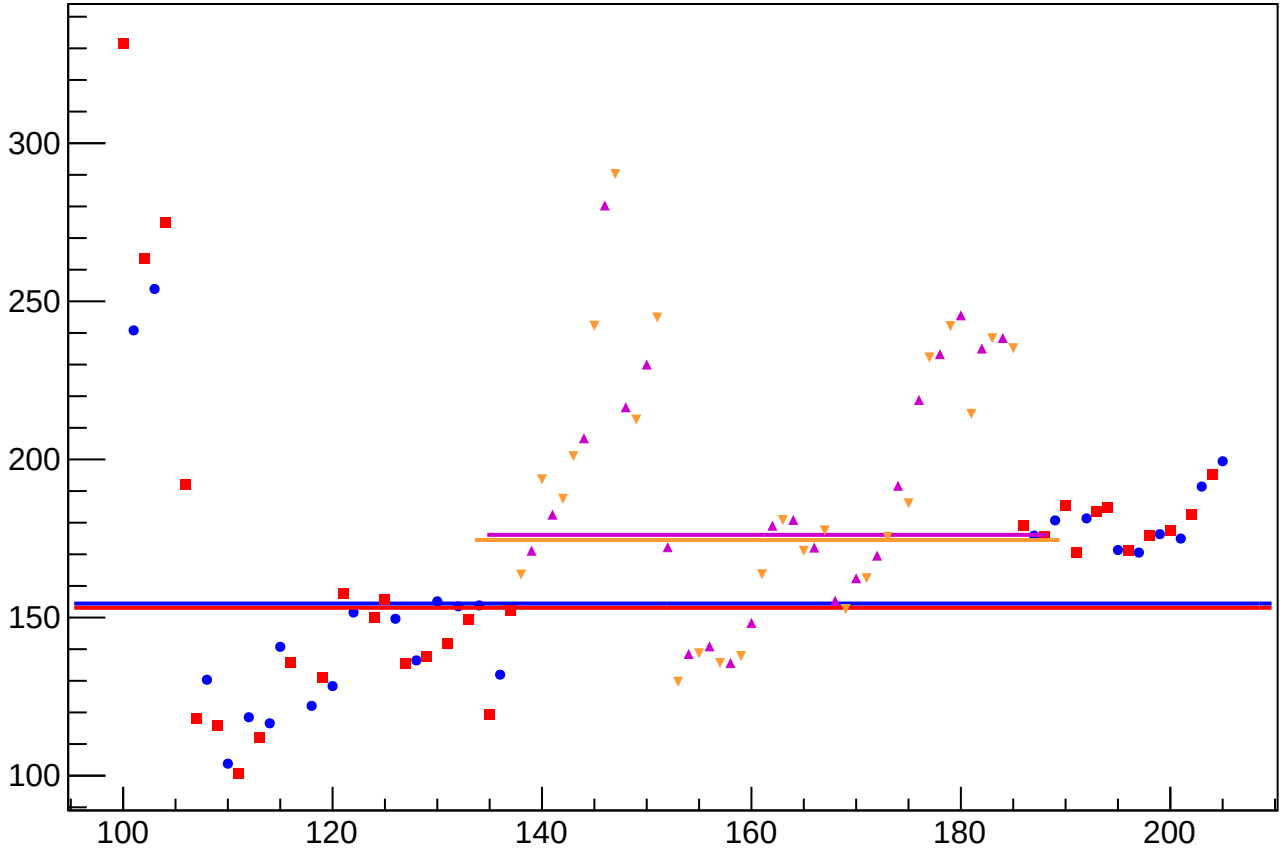
Right: 4577.477+/-29.315 χ^2/NDF: 227468.2/54

In: -1140.878+/-30.108 χ^2/NDF:161984.4/47

Out: 1022.226+/-28.750 χ^2/NDF:211285.4/54

All: -9.428+/-20.793 χ^2/NDF: 375969.6/102

asym_bpm0i02WS_rms vs Slug, Sign Corrected



Right In: 154.430+/-0.030 χ^2/NDF: 1132259.5/24

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 153.095+/-0.029 χ^2/NDF: 1500984.3/29

Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

Left: 175.305+/-0.021 χ^2/NDF: 3028060.8/47

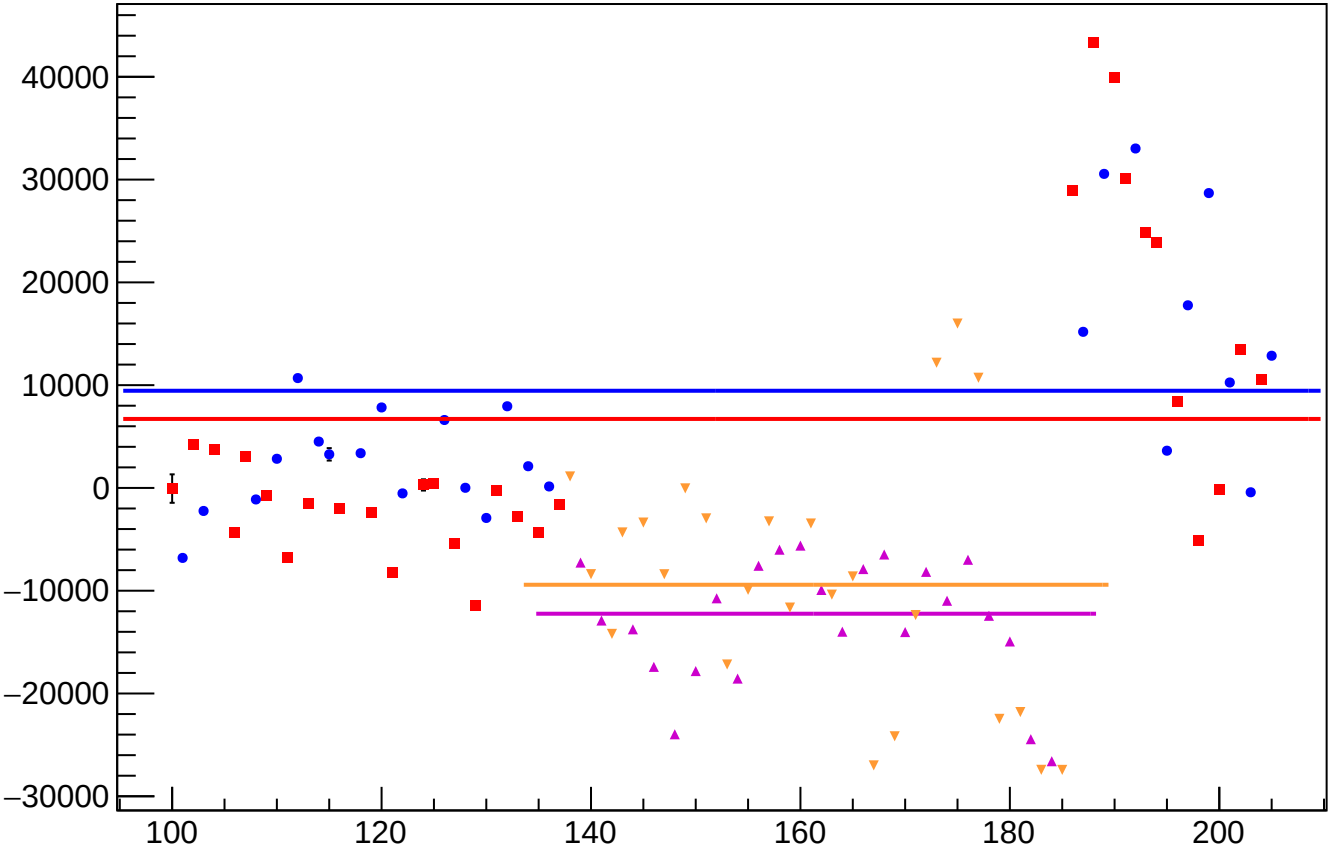
Right: 153.728+/-0.021 χ^2/NDF: 2634277.1/54

In: 165.297+/-0.021 χ^2/NDF:2759635.0/47

Out: 163.677+/-0.020 χ^2/NDF:3438089.4/54

All: 164.449+/-0.015 χ^2/NDF: 6200752.6/102

asym_bpm0i02aWS_mean vs Slug, Sign Corrected



Right In: 9454.703+/-48.295 χ^2/NDF: 51225.8/24

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: 6712.746+/-45.630 χ^2/NDF: 105331.2/29

Left In: -12238.678+/-44.195 χ^2/NDF:16015.8/22

Left: -10876.538+/-31.769 χ^2/NDF: 82700.4/47

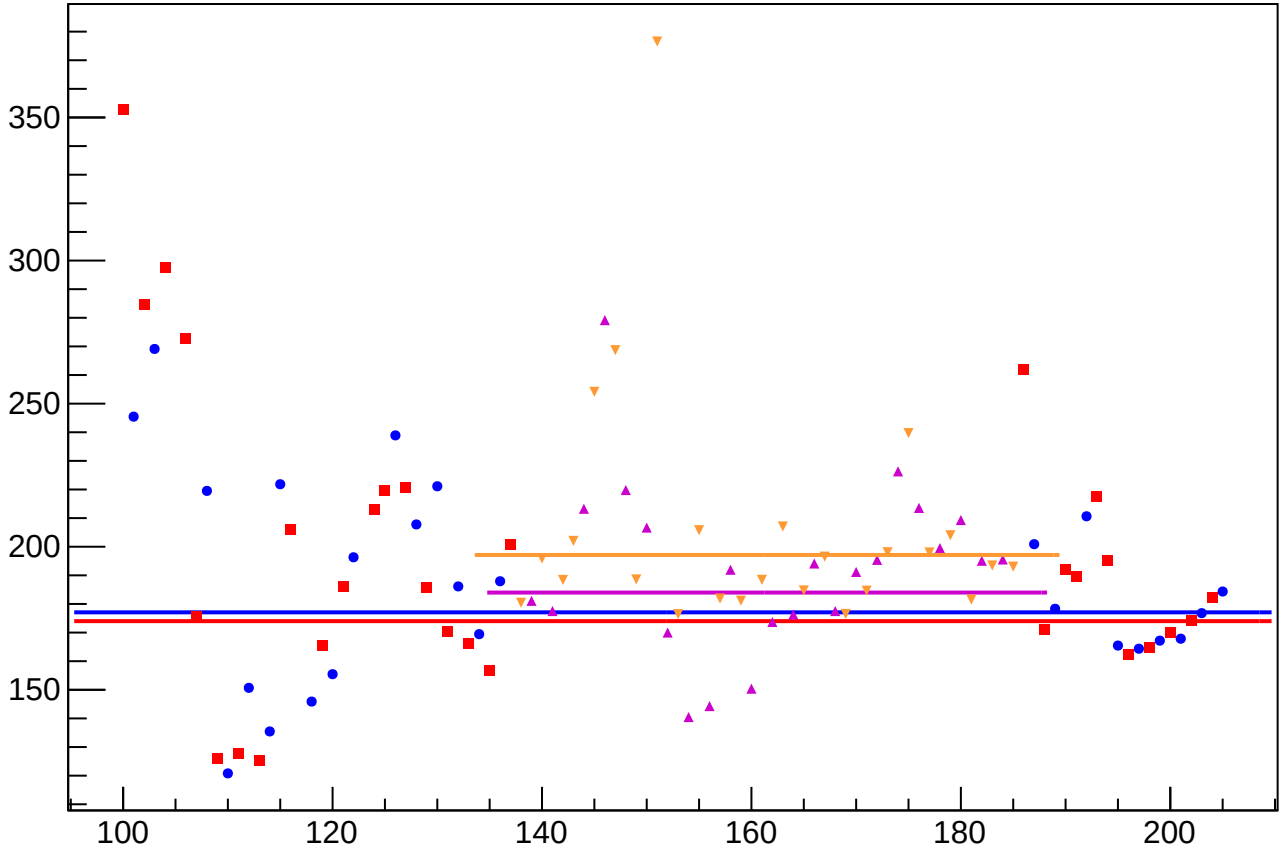
Right: 8006.007+/-33.167 χ^2/NDF: 158260.1/54

In: -2351.680+/-32.604 χ^2/NDF:177052.3/47

Out: -1341.790+/-32.289 χ^2/NDF:232459.0/54

All: -1841.842+/-22.942 χ^2/NDF: 409995.7/1

asym_bpm0i02aWS_rms vs Slug, Sign Corrected



Right In: 177.073+/-0.034 χ^2/NDF: 762374.2/24

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 173.993+/-0.032 χ^2/NDF: 1197146.7/29

Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

Left: 190.334+/-0.022 χ^2/NDF: 1647711.2/47

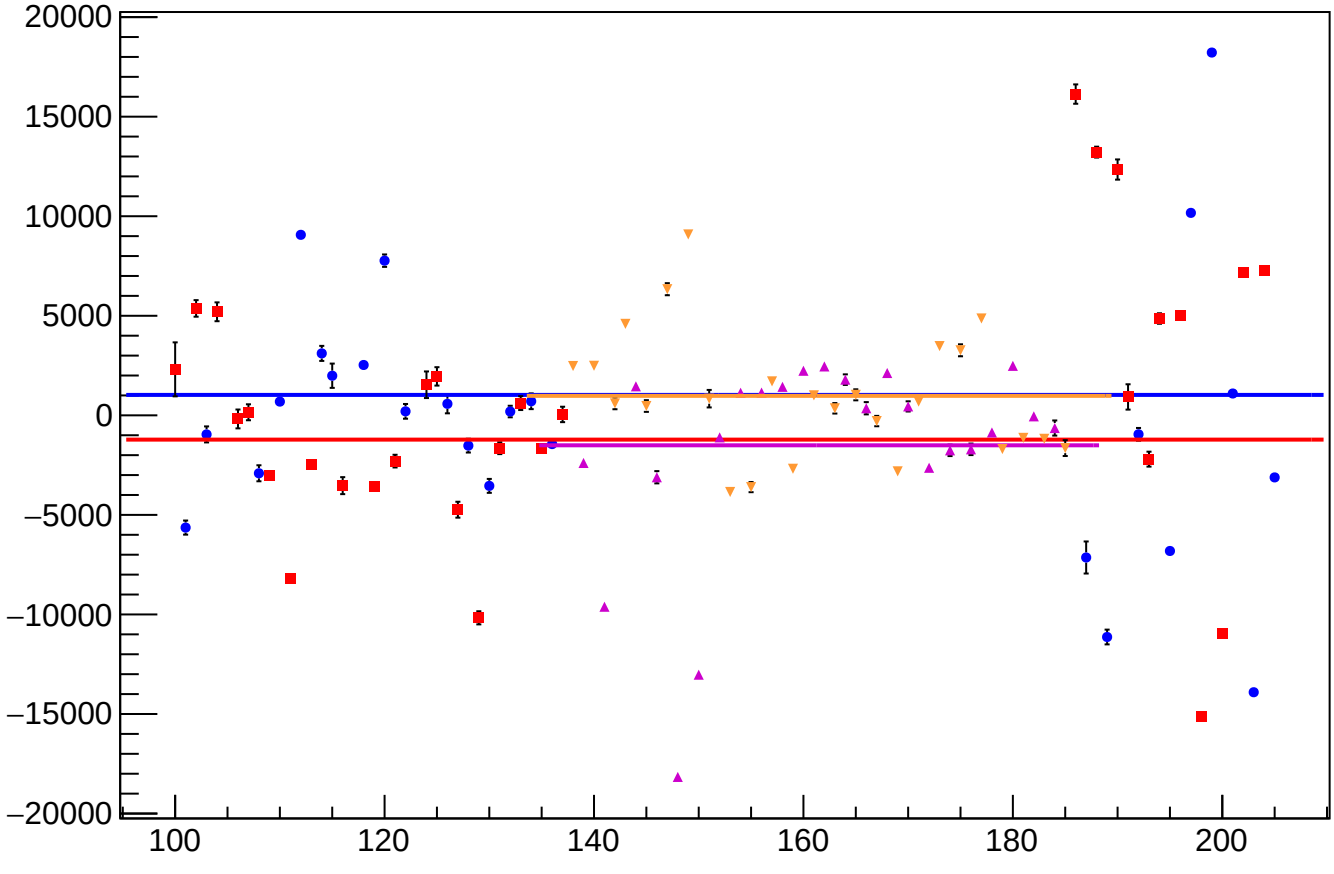
Right: 175.446+/-0.023 χ^2/NDF: 1963819.3/54

In: 180.835+/-0.023 χ^2/NDF:1614447.9/47

Out: 185.541+/-0.023 χ^2/NDF:2186222.7/54

All: 183.211+/-0.016 χ^2/NDF: 3821701.5/102

asym_bpm0i05WS_mean vs Slug, Sign Corrected



Right In: 1026.035+/-54.439 χ^2/NDF: 20702.7/24

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1219.489+/-51.665 χ^2/NDF: 19713.1/29

Left In: -1505.093+/-48.051 χ^2/NDF:11480.6/22

Left: -302.894+/-34.514 χ^2/NDF: 17096.7/47

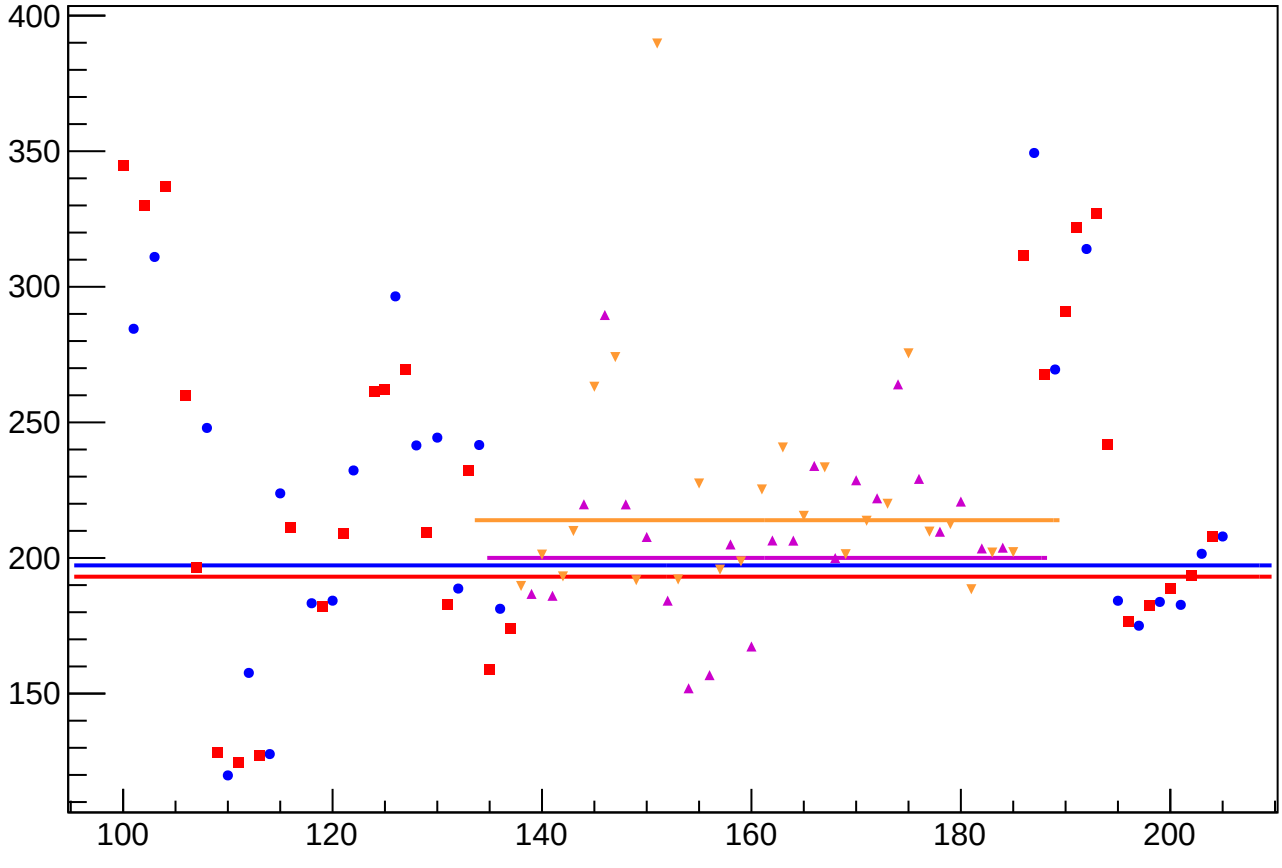
Right: -155.384+/-37.475 χ^2/NDF: 41311.0/54

In: -396.682+/-36.025 χ^2/NDF:33398.4/47

Out: -75.872+/-35.783 χ^2/NDF:24977.7/54

All: -235.196+/-25.387 χ^2/NDF: 58416.1/102

asym_bpm0i05WS_rms vs Slug, Sign Corrected



Right In: 197.267+/-0.038 χ^2/NDF: 1444996.8/24

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 193.106+/-0.037 χ^2/NDF: 2243149.1/29

Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

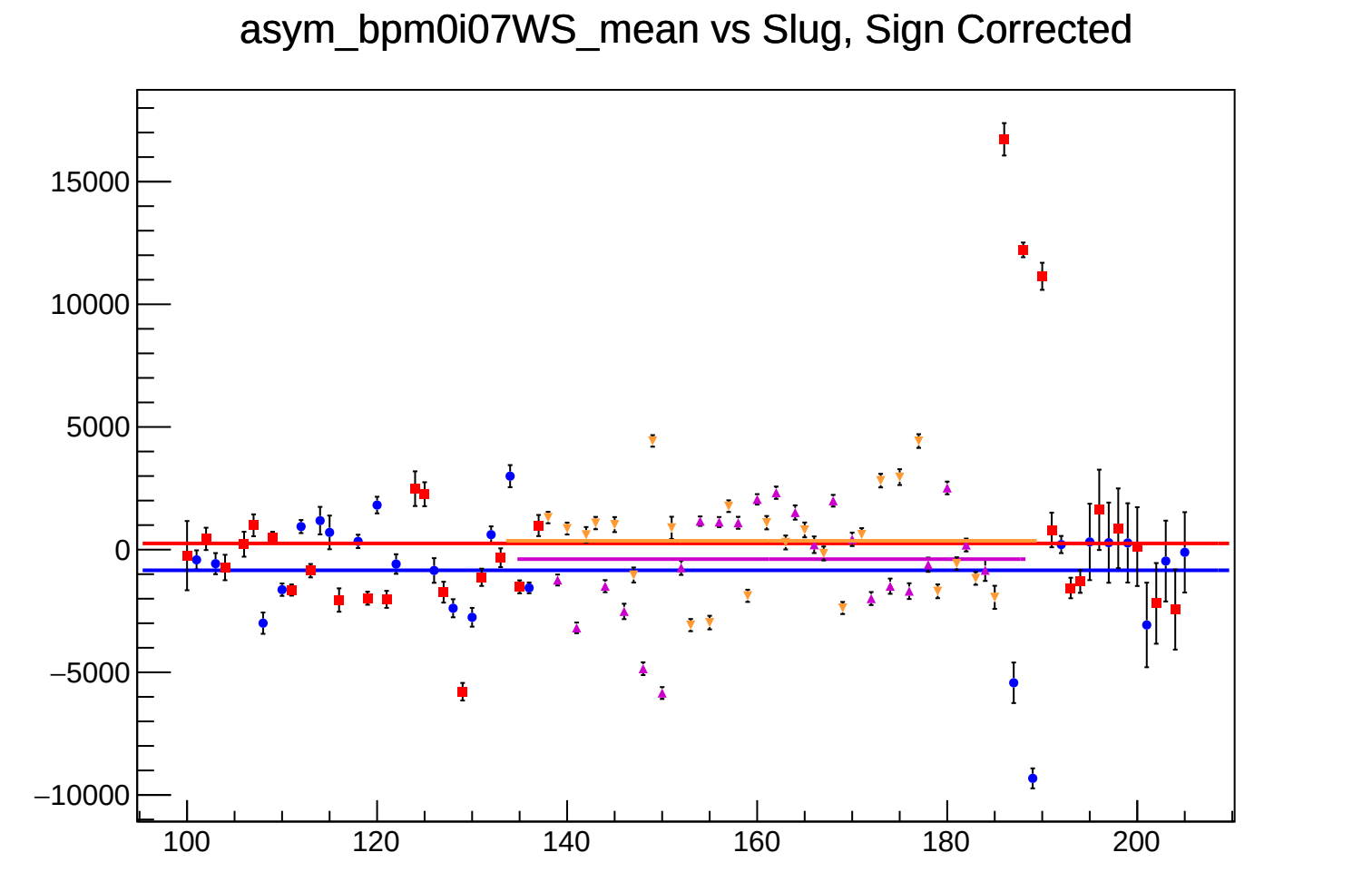
Left: 206.759+/-0.024 χ^2/NDF: 1600185.7/47

Right: 195.078+/-0.026 χ^2/NDF: 3694295.2/54

In: 198.821+/-0.025 χ^2/NDF:2233418.6/47

Out: 203.942+/-0.025 χ^2/NDF:3145866.1/54

All: 201.398+/-0.018 χ^2/NDF: 5399628.4/102



Right In: -842.150+/-81.385 χ^2/NDF: 799.7/24

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: 253.715+/-73.797 χ^2/NDF: 3273.9/29

Left In: -386.941+/-53.528 χ^2/NDF:1804.2/22

Left: -24.183+/-38.357 χ^2/NDF: 3317.4/47

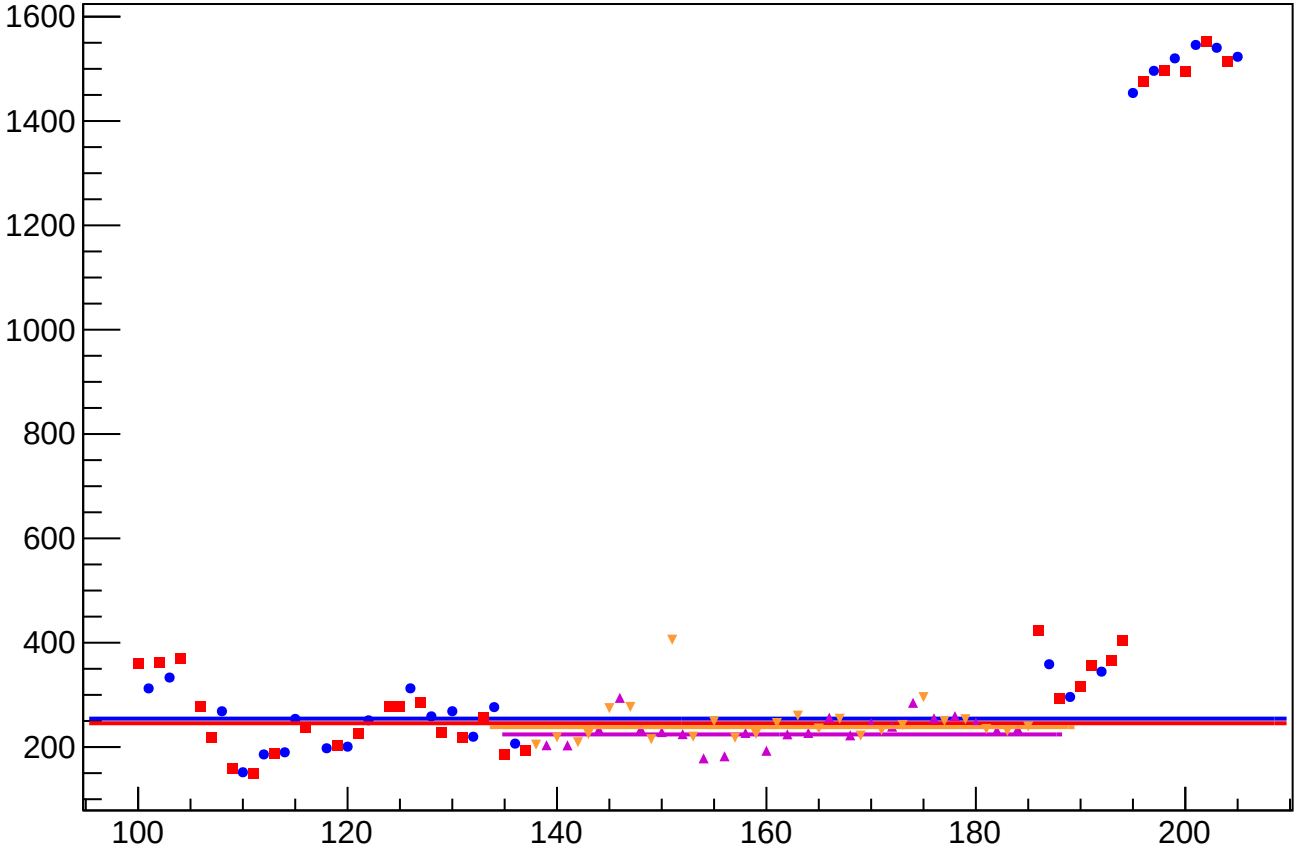
Right: -240.762+/-54.669 χ^2/NDF: 4173.1/54

In: -524.398+/-44.722 χ^2/NDF:2625.7/47

Out: 321.205+/-44.095 χ^2/NDF:4694.0/54

All: -95.629+/-31.399 χ^2/NDF: 7501.0/102

asym_bpm0i07WS_rms vs Slug, Sign Corrected



Right In: 254.471+/-0.058 χ^2/NDF: 8185656.8/24

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 245.632+/-0.052 χ^2/NDF: 7960482.4/29

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

Left: 231.017+/-0.027 χ^2/NDF: 1197606.4/47

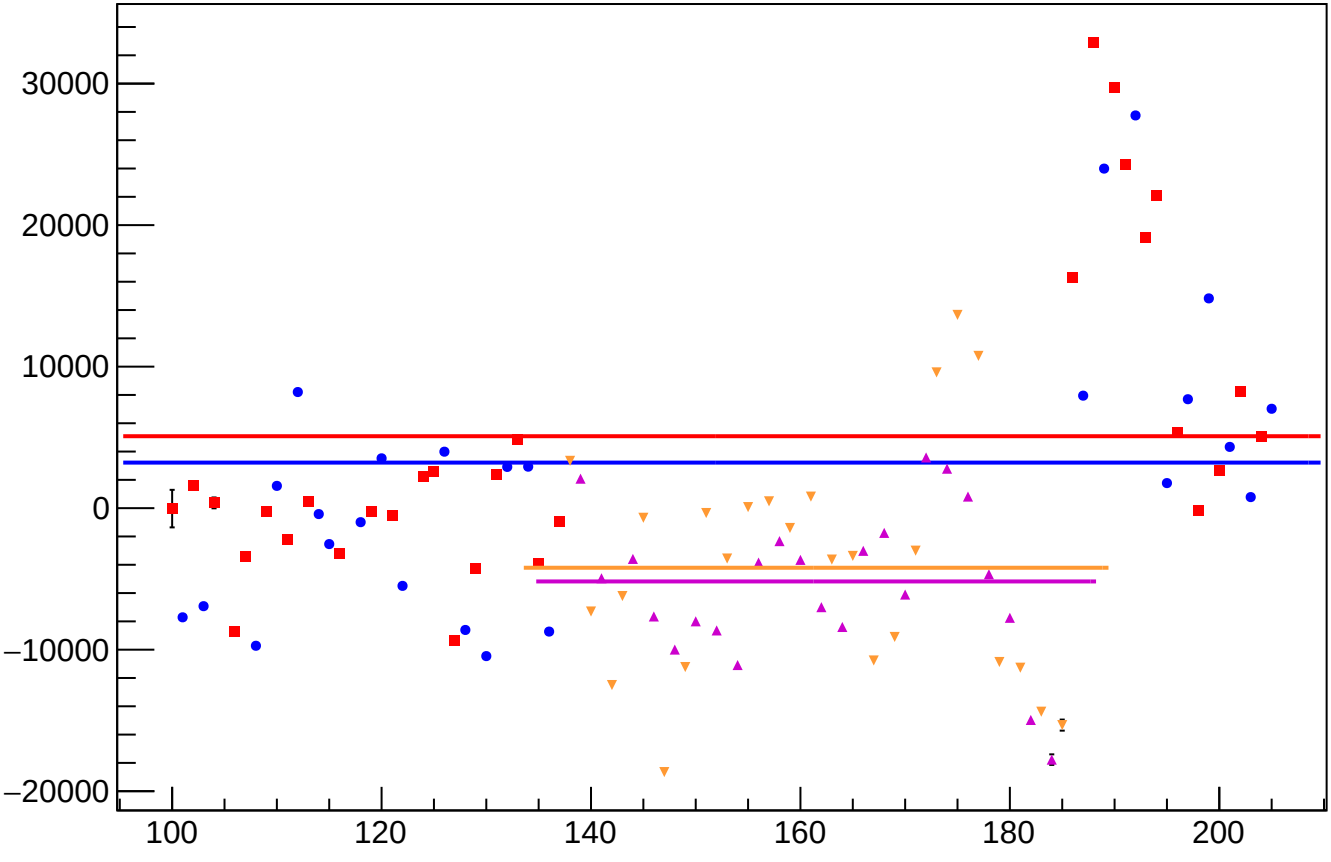
Right: 249.620+/-0.039 χ^2/NDF: 16159083.9/54

In: 233.349+/-0.032 χ^2/NDF:8941873.2/47

Out: 240.853+/-0.031 χ^2/NDF:8541463.9/54

All: 237.154+/-0.022 χ^2/NDF: 17511888.8/10

asym_bpm1i02WS_mean vs Slug, Sign Corrected



Right In: 3219.565+/-36.144 χ^2/NDF: 76307.2/24

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: 5083.887+/-34.063 χ^2/NDF: 102886.4/29

Left In: -5178.213+/-31.969 χ^2/NDF:18541.3/22

Left: -4676.831+/-22.191 χ^2/NDF: 75818.6/47

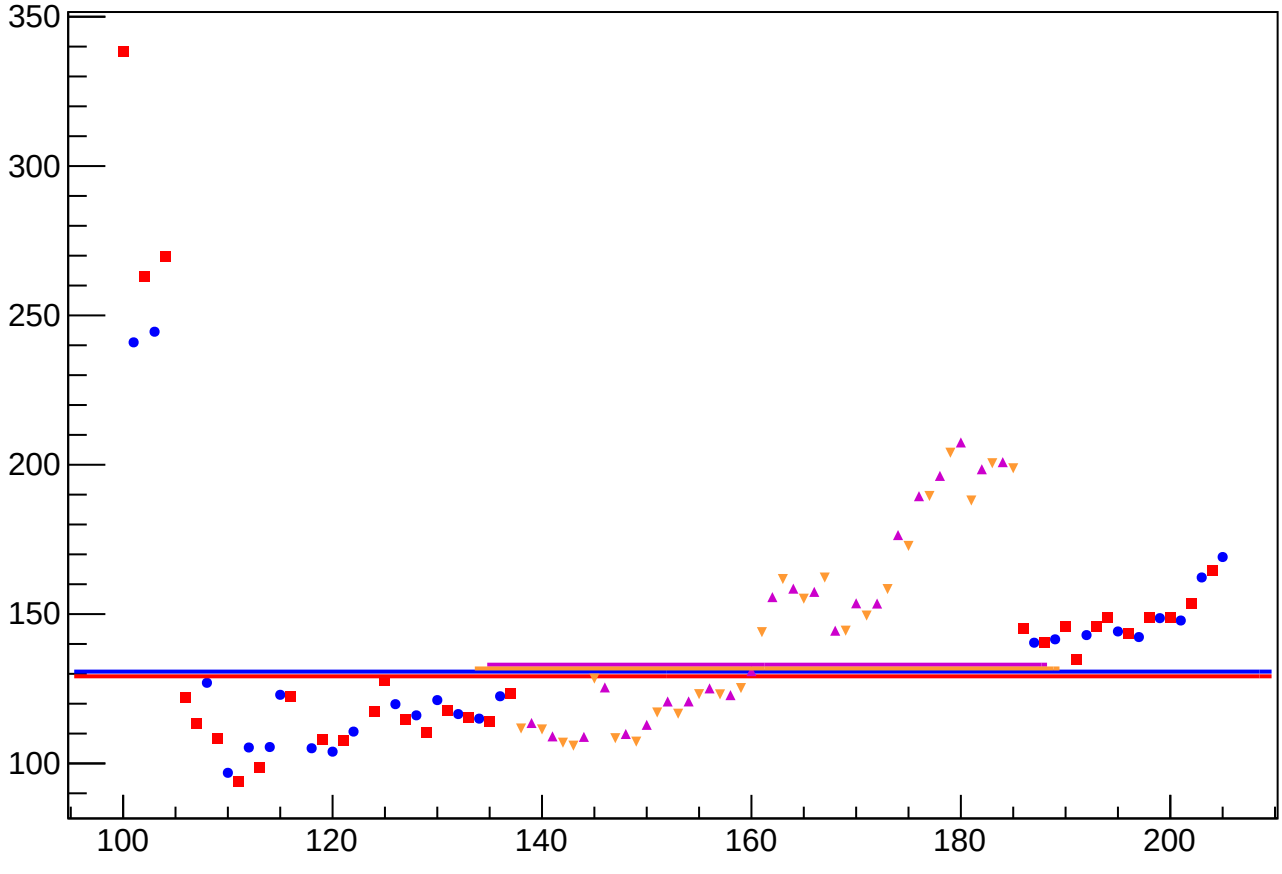
Right: 4206.937+/-24.789 χ^2/NDF: 180602.7/54

In: -1492.074+/-23.946 χ^2/NDF:125136.4/47

Out: -25.498+/-22.857 χ^2/NDF:200618.2/54

All: -724.676+/-16.534 χ^2/NDF: 327717.3/10

asym_bpm1i02WS_rms vs Slug, Sign Corrected



Right In: 130.746+/-0.026 χ^2/NDF: 1120800.3/24

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 129.166+/-0.024 χ^2/NDF: 1330943.5/29

Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

Left: 132.406+/-0.016 χ^2/NDF: 2964211.9/47

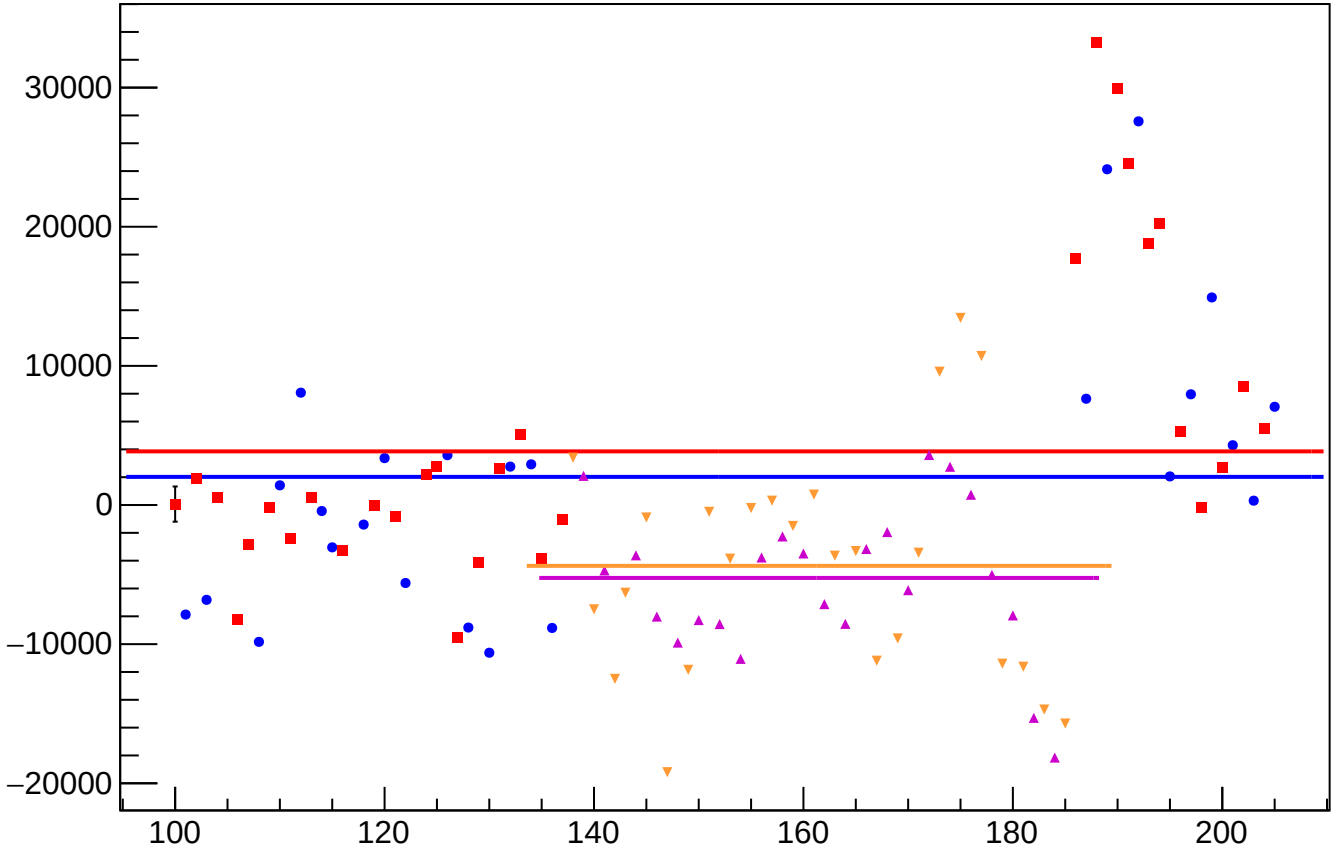
Right: 129.910+/-0.018 χ^2/NDF: 2453768.2/54

In: 132.045+/-0.017 χ^2/NDF:2543655.1/47

Out: 130.613+/-0.016 χ^2/NDF:2881844.0/54

All: 131.296+/-0.012 χ^2/NDF: 5429243.8/102

asym_bpm1i04WS_mean vs Slug, Sign Corrected



Right In: 2022.662+/-32.370 χ^2/NDF: 83802.4/24

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: 3855.078+/-30.713 χ^2/NDF: 110718.9/29

Left In: -5239.784+/-29.252 χ^2/NDF:22273.2/22

Left: -4786.626+/-20.210 χ^2/NDF: 89950.9/47

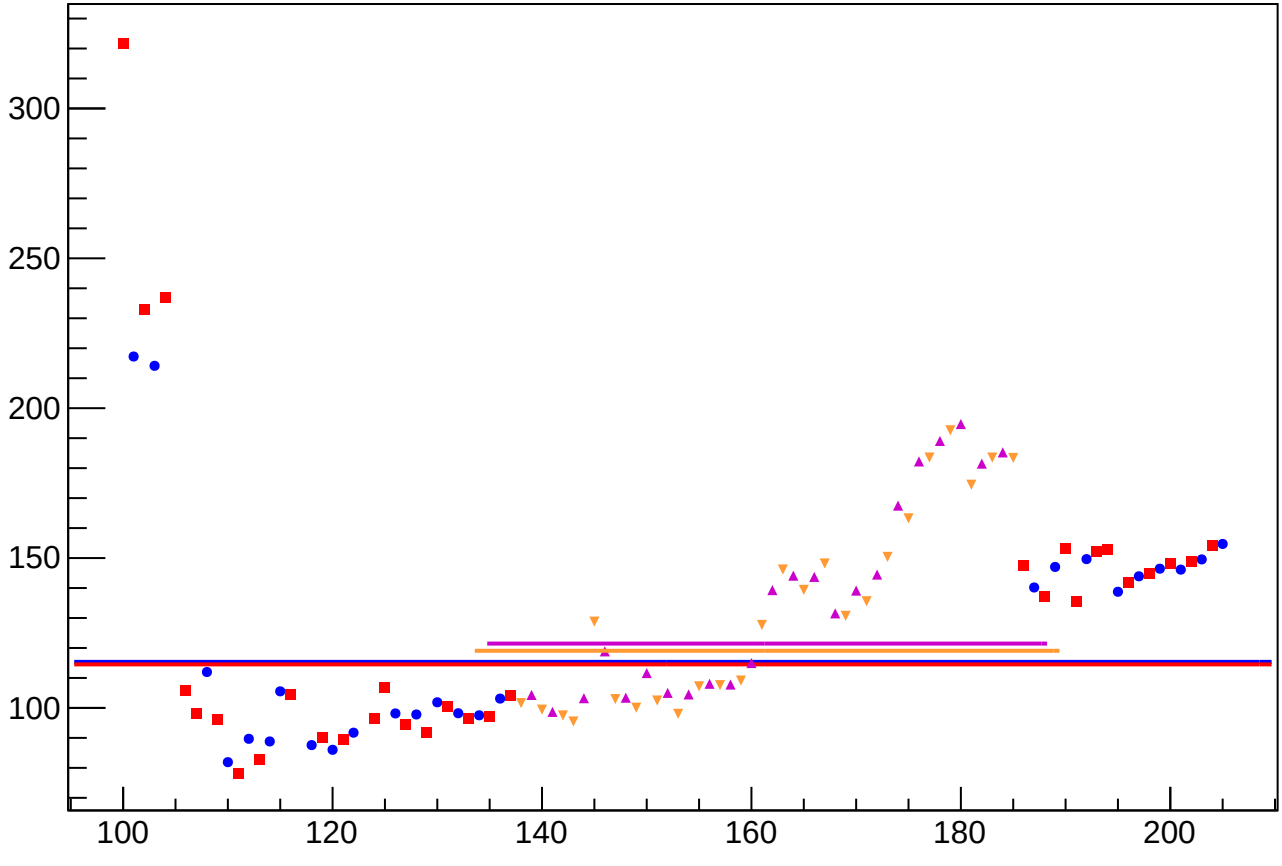
Right: 2986.963+/-22.280 χ^2/NDF: 196207.7/54

In: -1975.092+/-21.703 χ^2/NDF:133784.9/47

Out: -644.703+/-20.674 χ^2/NDF:217187.3/54

All: -1277.605+/-14.969 χ^2/NDF: 352942.2/1

asym_bpm1i04WS_rms vs Slug, Sign Corrected



Right In: 115.364+/-0.023 χ^2/NDF: 1752024.9/24

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 114.527+/-0.022 χ^2/NDF: 2123991.4/29

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

Left: 120.212+/-0.014 χ^2/NDF: 3291866.1/47

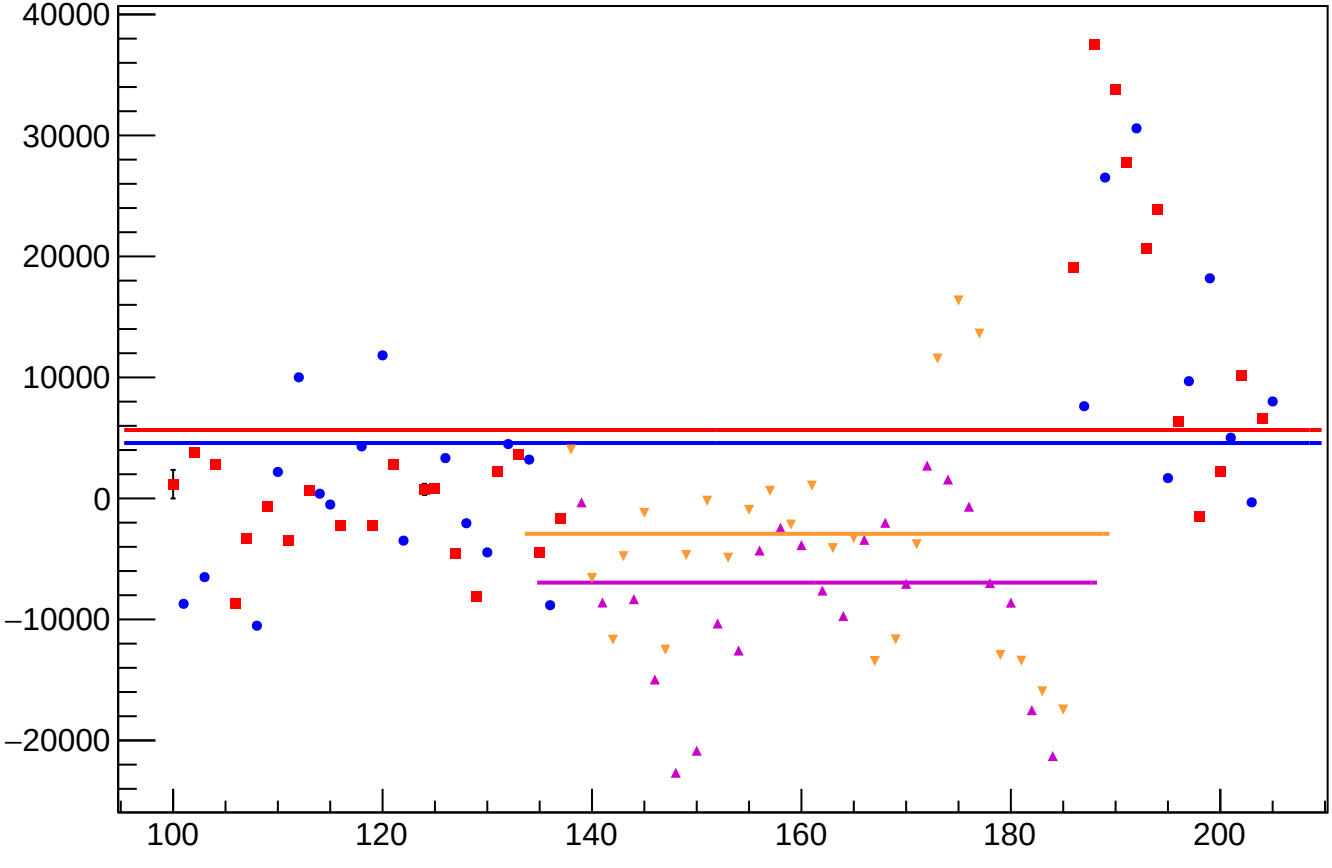
Right: 114.924+/-0.016 χ^2/NDF: 3876720.6/54

In: 118.724+/-0.015 χ^2/NDF:3320546.2/47

Out: 117.008+/-0.015 χ^2/NDF:3903290.3/54

All: 117.825+/-0.011 χ^2/NDF: 7230389.9/102

asym_bpm1i06WS_mean vs Slug, Sign Corrected



Right In: 4581.830+/-42.534 χ^2/NDF: 61181.3/24

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: 5654.318+/-40.416 χ^2/NDF: 92459.6/29

Left In: -6956.884+/-40.245 χ^2/NDF:22339.0/22

Left: -4834.088+/-27.700 χ^2/NDF: 65678.3/47

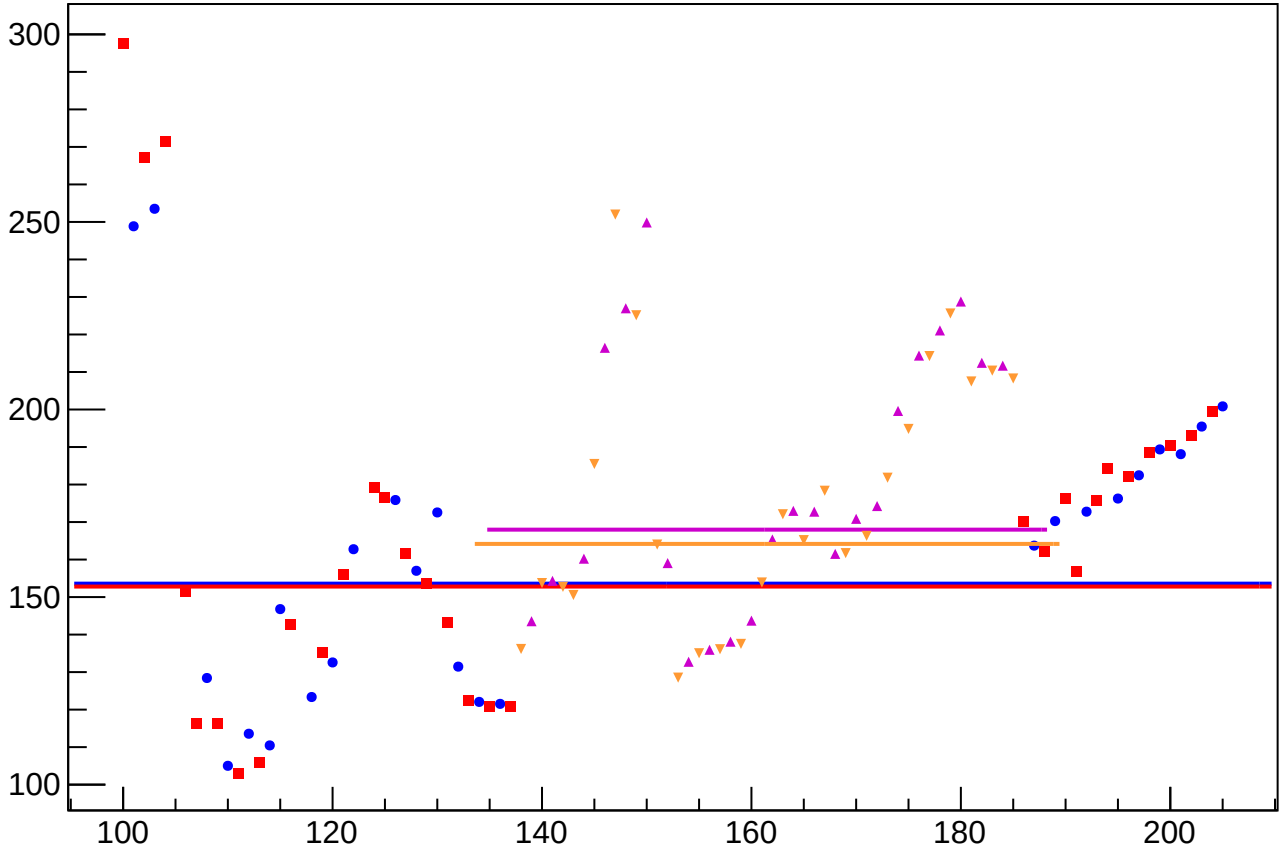
Right: 5145.431+/-29.299 χ^2/NDF: 153975.0/54

In: -1506.289+/-29.233 χ^2/NDF:122351.2/47

Out: 1122.322+/-27.756 χ^2/NDF:154309.5/54

All: -123.904+/-20.128 χ^2/NDF: 280912.8/10

asym_bpm1i06WS_rms vs Slug, Sign Corrected



Right In: 153.580+/-0.030 χ^2/NDF: 1404882.3/24

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 152.804+/-0.029 χ^2/NDF: 1614577.2/29

Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

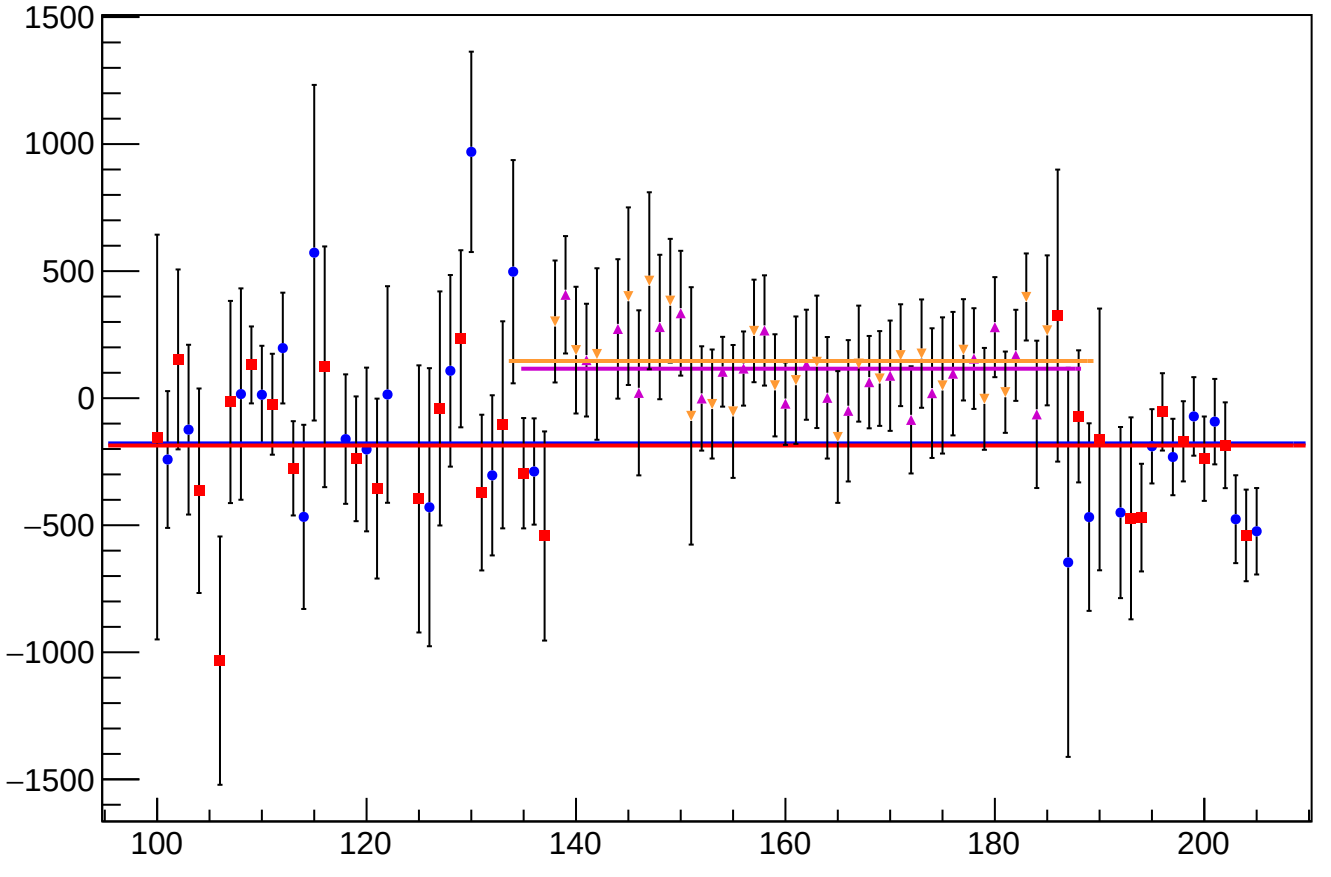
Left: 165.974+/-0.020 χ^2/NDF: 2456548.5/47

Right: 153.172+/-0.021 χ^2/NDF: 3019809.6/54

In: 161.175+/-0.021 χ^2/NDF:2748502.0/47

Out: 158.810+/-0.020 χ^2/NDF:2922595.4/54

All: 159.932+/-0.014 χ^2/NDF: 5677979.7/102



Right In: -178.039+/-48.451 χ^2/NDF: 28.1/24

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: -186.204+/-47.176 χ^2/NDF: 21.4/27

Left In: 115.974+/-43.605 χ^2/NDF:7.6/22

Left: 130.049+/-31.944 χ^2/NDF: 17.8/46

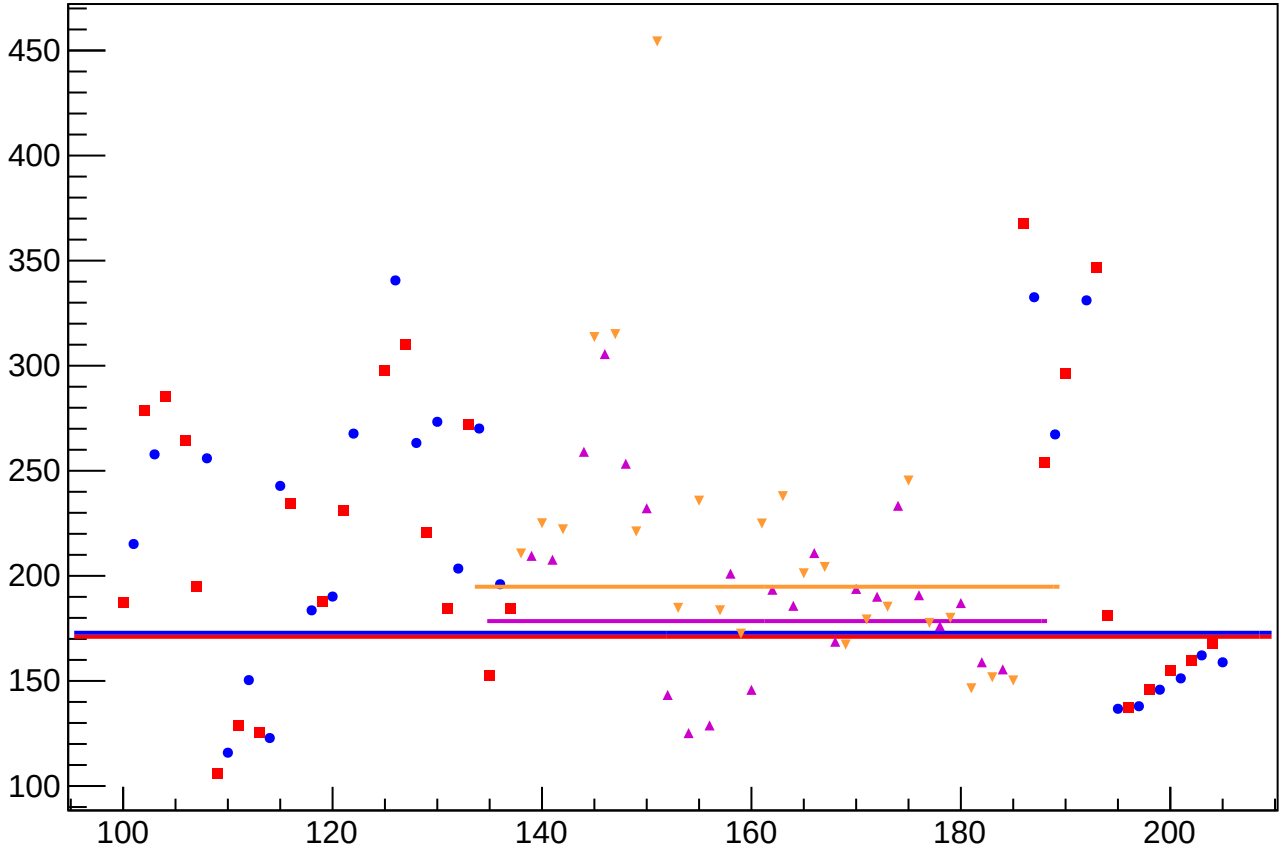
Right: -182.230+/-33.800 χ^2/NDF: 49.5/52

In: -15.595+/-32.412 χ^2/NDF:56.0/47

Out: -19.054+/-33.271 χ^2/NDF:56.4/51

All: -17.279+/-23.216 χ^2/NDF: 112.4/99

asym_bcm_2an_us_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 172.919+/-0.034 χ^2/NDF: 2202348.6/24

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 171.006+/-0.033 χ^2/NDF: 2722285.2/27

Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

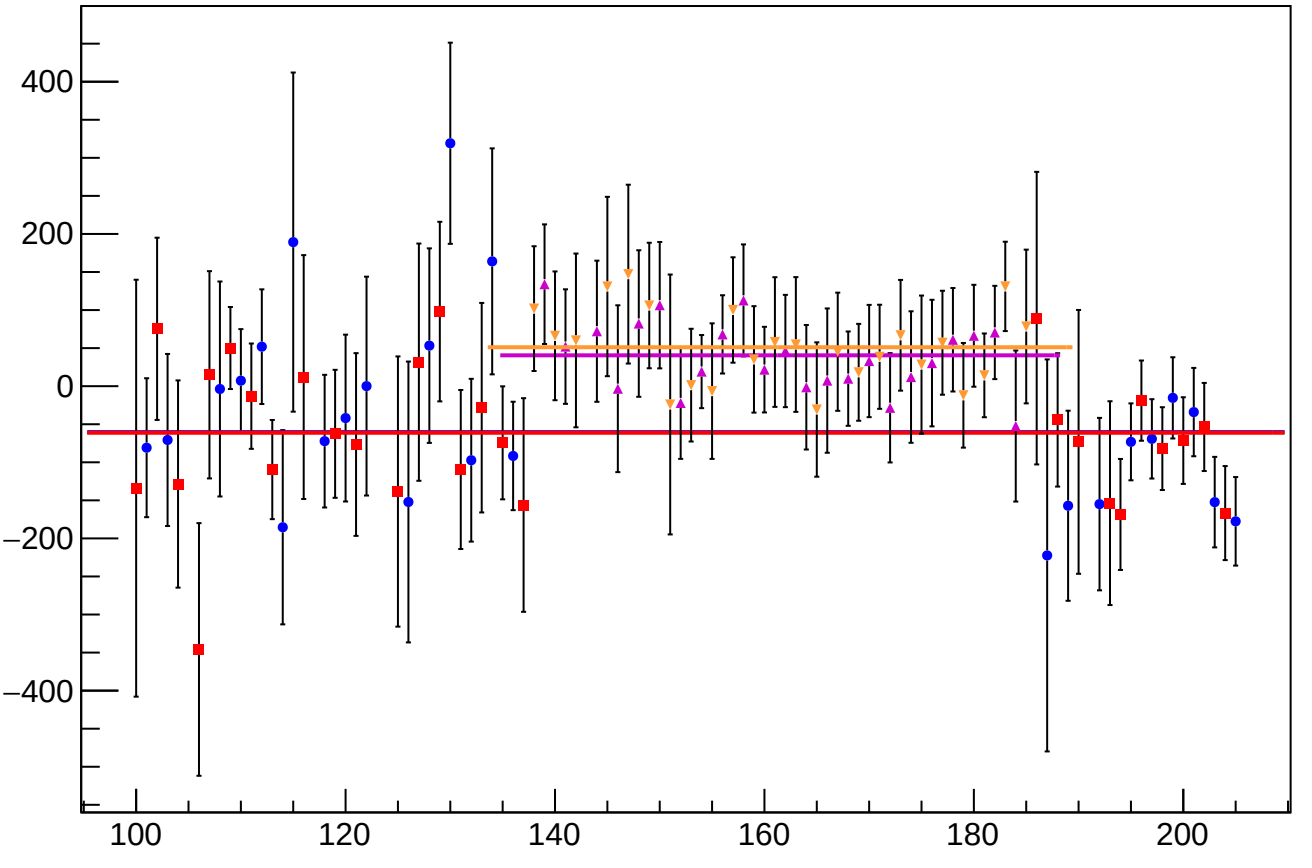
Left: 186.052+/-0.023 χ^2/NDF: 3559074.3/46

Right: 171.937+/-0.024 χ^2/NDF: 4926235.1/52

In: 175.989+/-0.023 χ^2/NDF:3893145.5/47

Out: 182.980+/-0.024 χ^2/NDF:4731097.3/51

All: 179.393+/-0.016 χ^2/NDF: 8669544.2/99



Right In: -60.399+/-16.647 χ^2/NDF: 26.9/24

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: -61.109+/-16.245 χ^2/NDF: 20.6/27

Left In: 40.540+/-14.978 χ^2/NDF:7.9/22

Left: 45.488+/-10.946 χ^2/NDF: 16.2/46

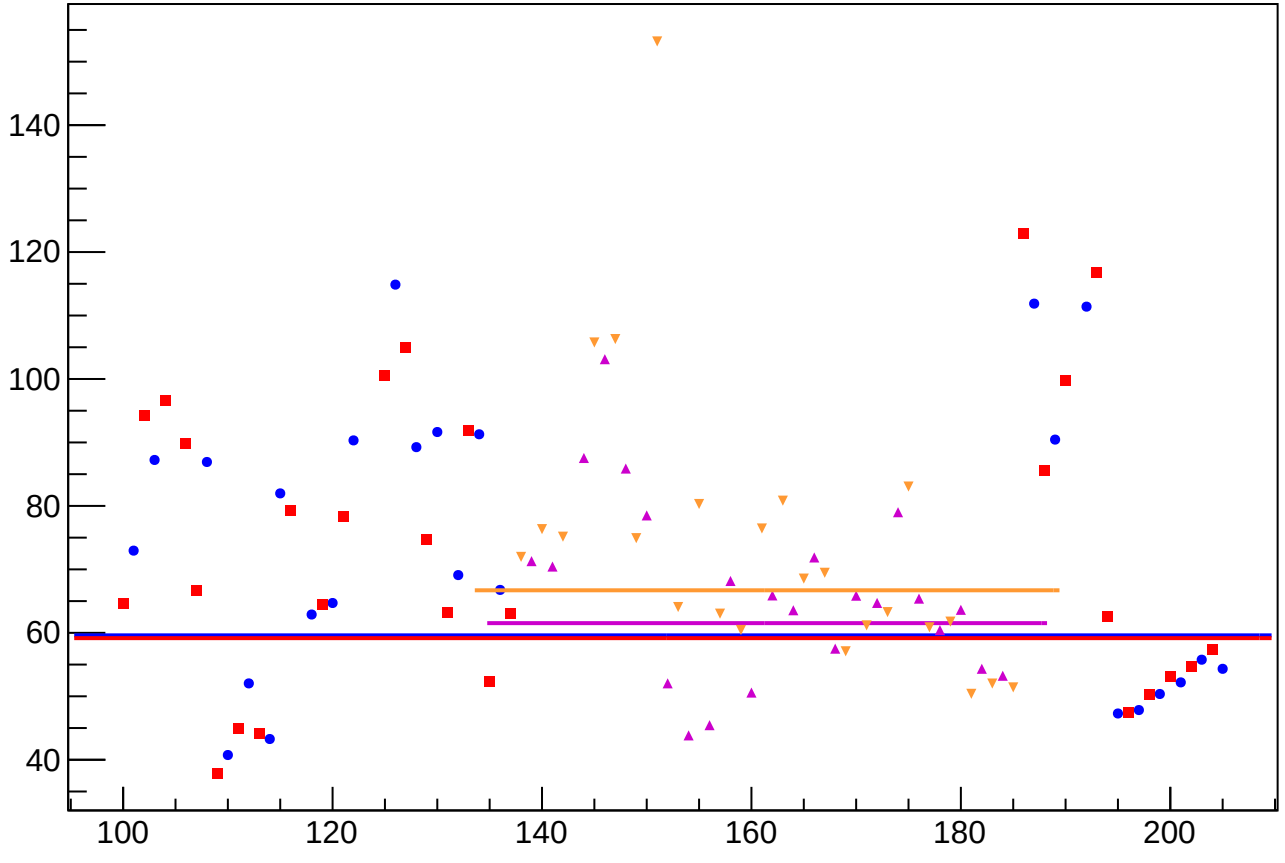
Right: -60.763+/-11.627 χ^2/NDF: 47.5/52

In: -4.615+/-11.134 χ^2/NDF:55.1/47

Out: -4.251+/-11.413 χ^2/NDF:52.9/51

All: -4.438+/-7.970 χ^2/NDF: 108.0/99

asym_bcm_2an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 59.603+/-0.012 χ^2/NDF: 2056067.6/24

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 59.164+/-0.011 χ^2/NDF: 2518413.1/27

Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

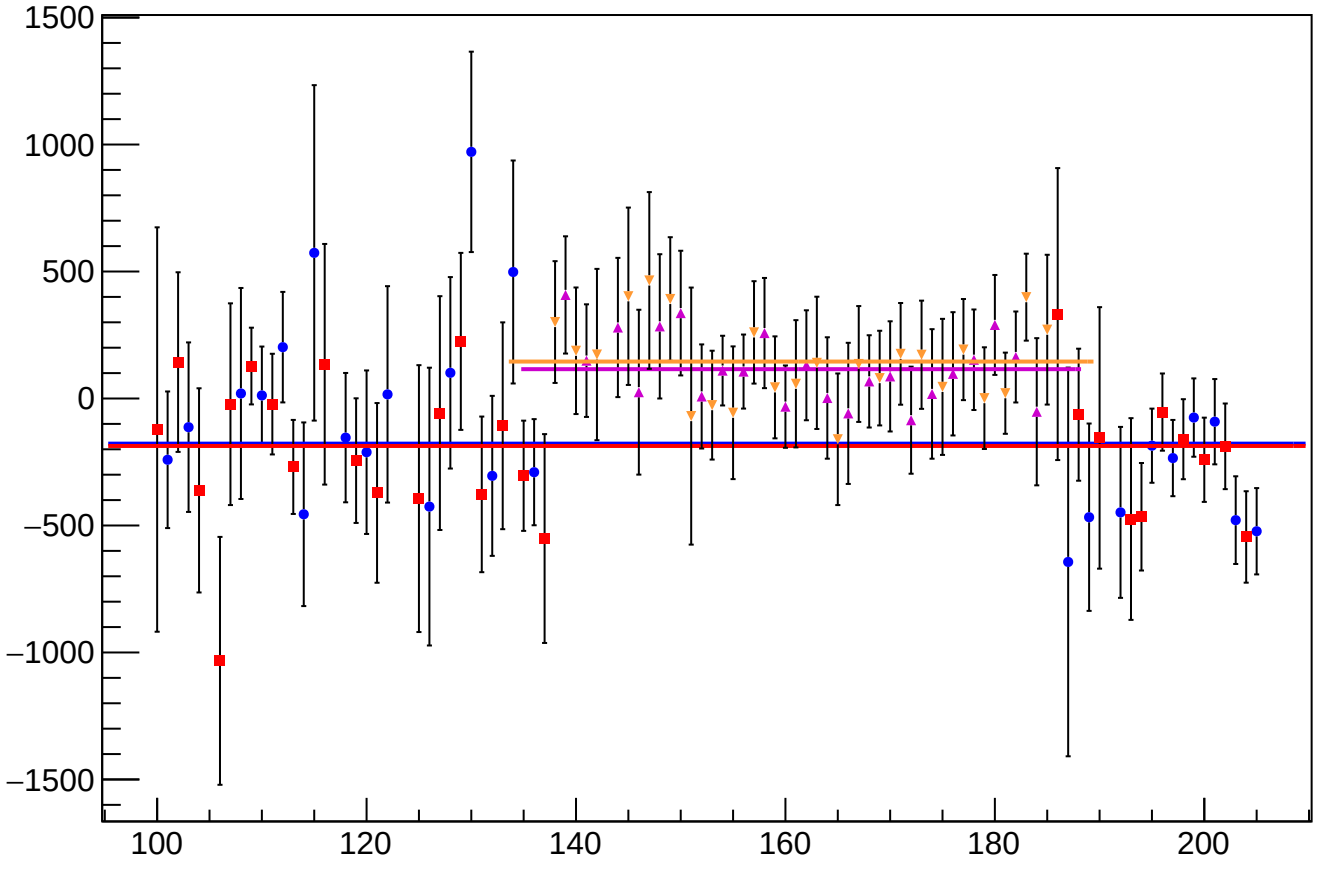
Left: 63.939+/-0.008 χ^2/NDF: 3277377.5/46

Right: 59.378+/-0.008 χ^2/NDF: 4575196.3/52

In: 60.668+/-0.008 χ^2/NDF:3560700.2/47

Out: 62.982+/-0.008 χ^2/NDF:4412921.5/51

All: 61.796+/-0.006 χ^2/NDF: 8015756.1/99



Right In: -177.745+/-48.389 χ^2/NDF: 28.2/24

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: -186.864+/-47.117 χ^2/NDF: 21.6/27

Left In: 115.487+/-43.568 χ^2/NDF:7.8/22

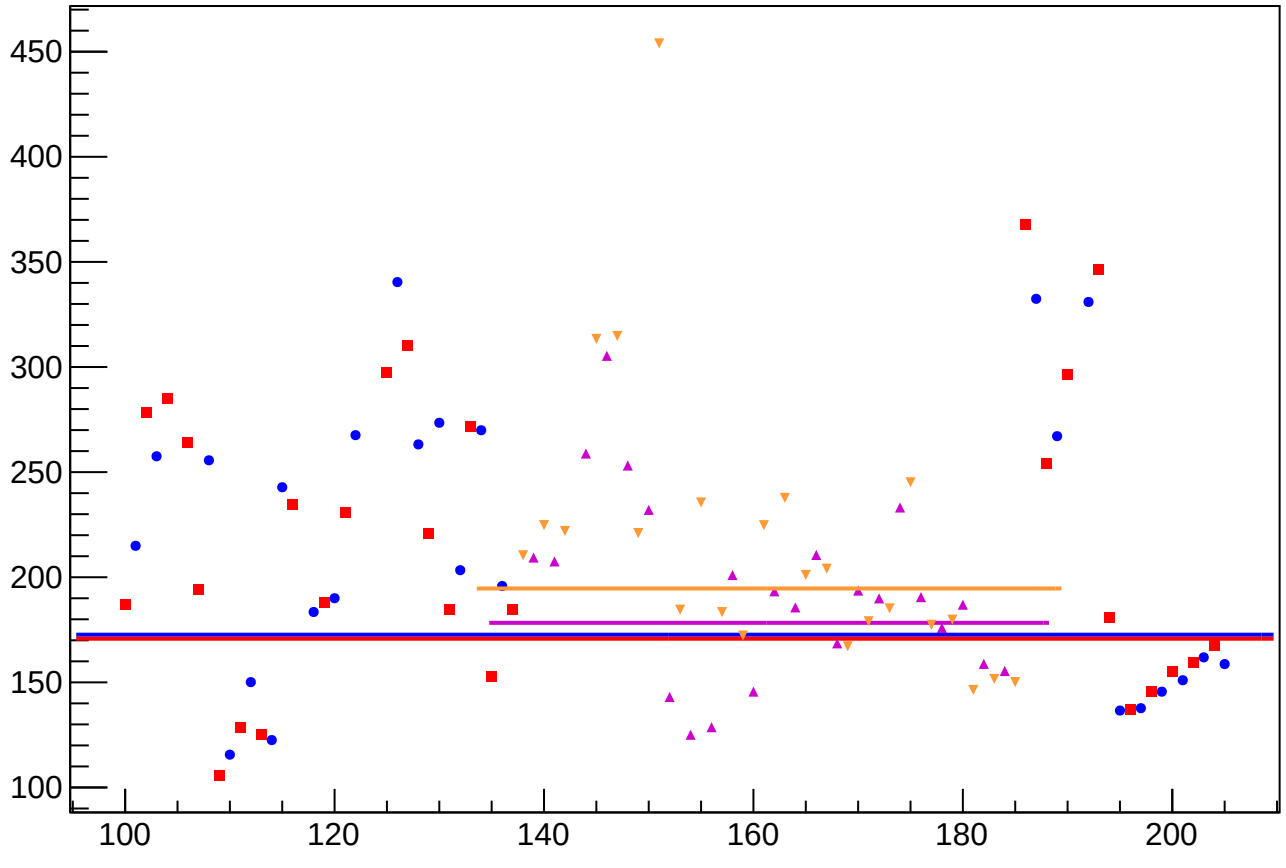
Left: 129.382+/-31.917 χ^2/NDF: 18.2/46

Right: -182.426+/-33.757 χ^2/NDF: 49.7/52

In: -15.799+/-32.378 χ^2/NDF:56.2/47

Out: -19.889+/-33.236 χ^2/NDF:56.8/51

All: -17.790+/-23.192 χ^2/NDF: 113.0/99



Right In: 172.673+/-0.034 χ^2/NDF: 2208913.0/24

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.764+/-0.033 χ^2/NDF: 2730548.5/27

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

Left: 185.889+/-0.023 χ^2/NDF: 3561822.0/46

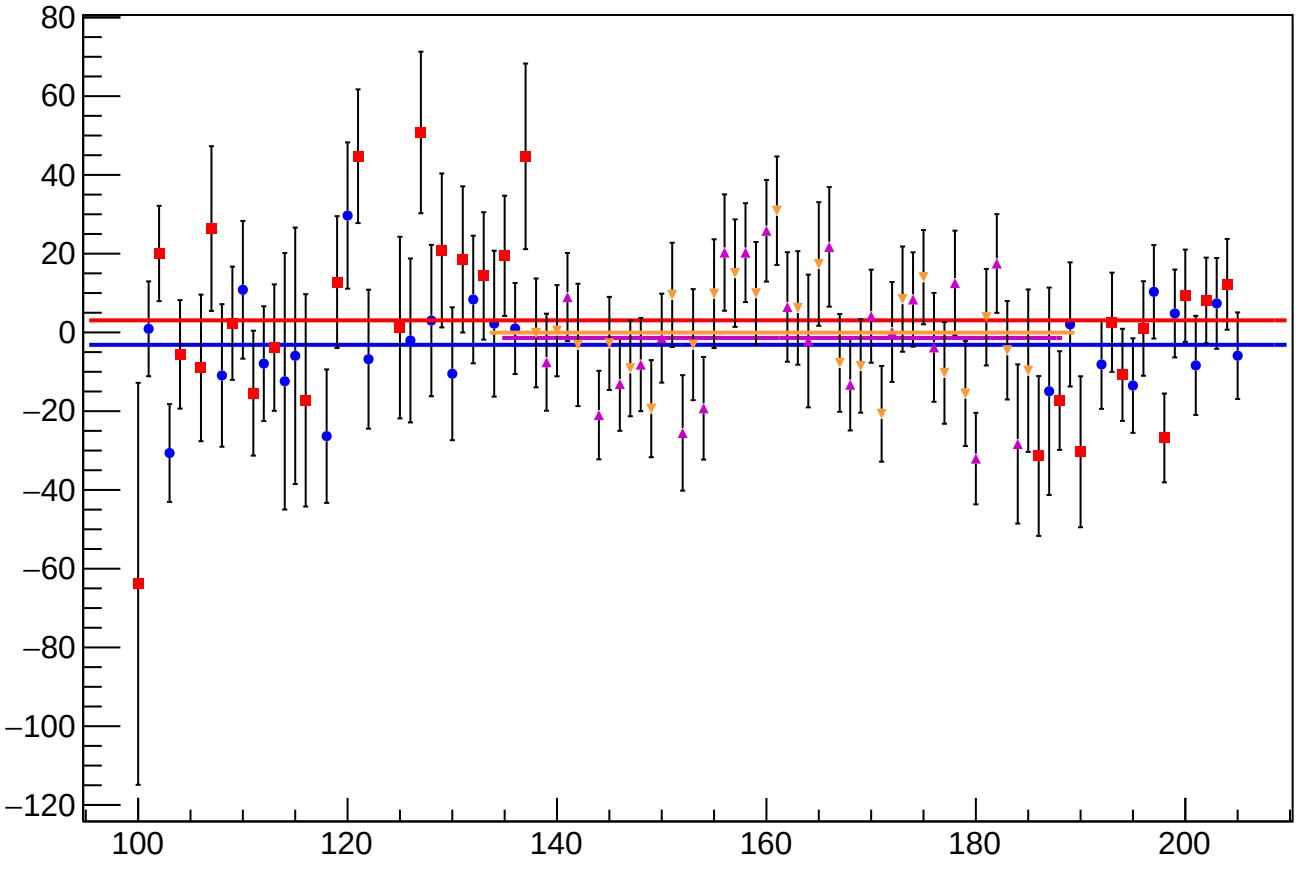
Right: 171.693+/-0.024 χ^2/NDF: 4941059.0/52

In: 175.790+/-0.023 χ^2/NDF:3902283.3/47

Out: 182.769+/-0.024 χ^2/NDF:4742117.4/51

All: 179.189+/-0.016 χ^2/NDF: 8689647.4/99

asym_bcm_an_us_an_ds_dd_mean vs Slug, Sign Corrected



Right In: -3.150+/-2.935 χ^2/NDF: 16.2/24

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: 3.065+/-2.867 χ^2/NDF: 44.0/27

Left In: -1.407+/-2.674 χ^2/NDF:36.3/22

Left: -0.729+/-1.895 χ^2/NDF: 56.9/46

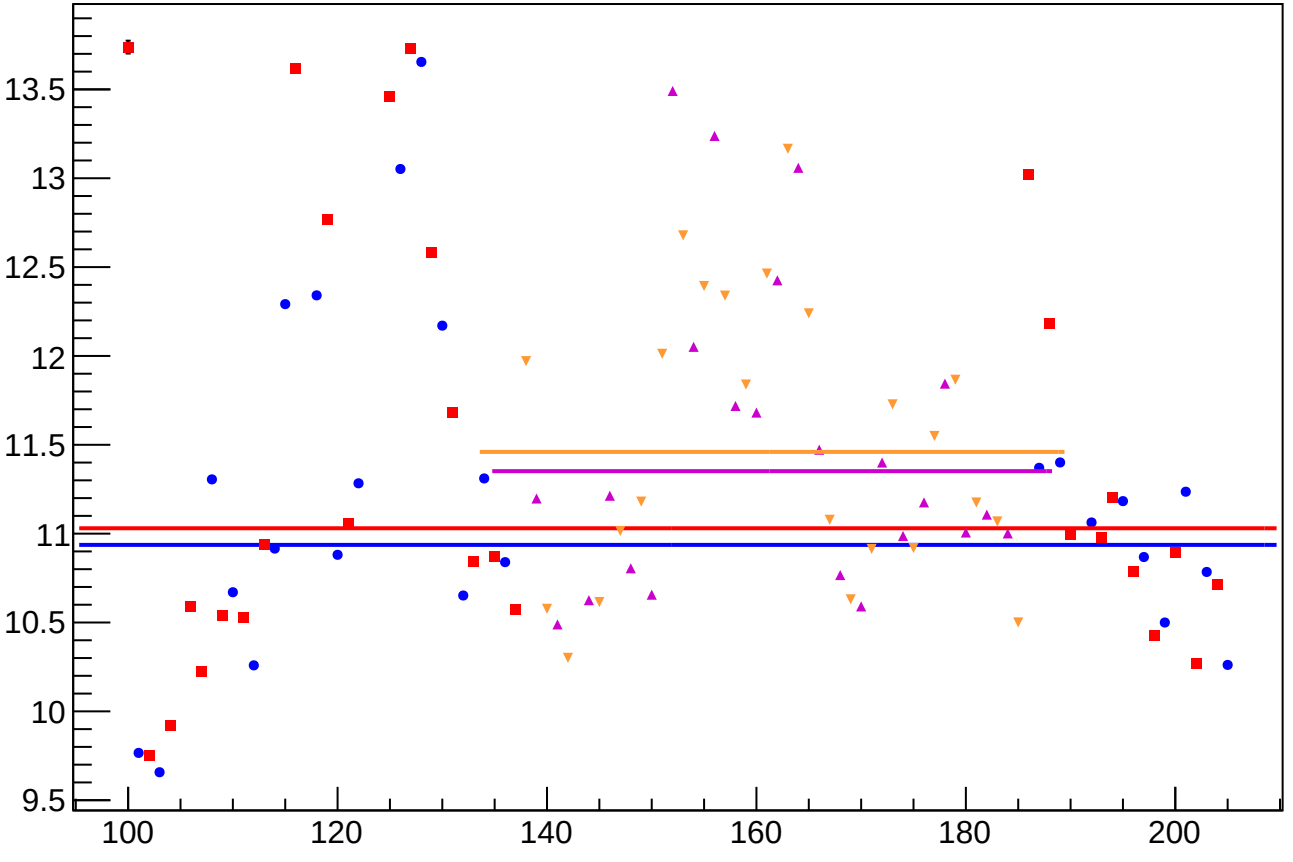
Right: 0.030+/-2.051 χ^2/NDF: 62.5/52

In: -2.197+/-1.977 χ^2/NDF:52.7/47

Out: 1.407+/-1.960 χ^2/NDF:65.1/51

All: -0.380+/-1.392 χ^2/NDF: 119.5/99

asym_bcm_an_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 10.937+/-0.002 χ^2/NDF: 152137.3/24

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 11.030+/-0.002 χ^2/NDF: 217452.9/27

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

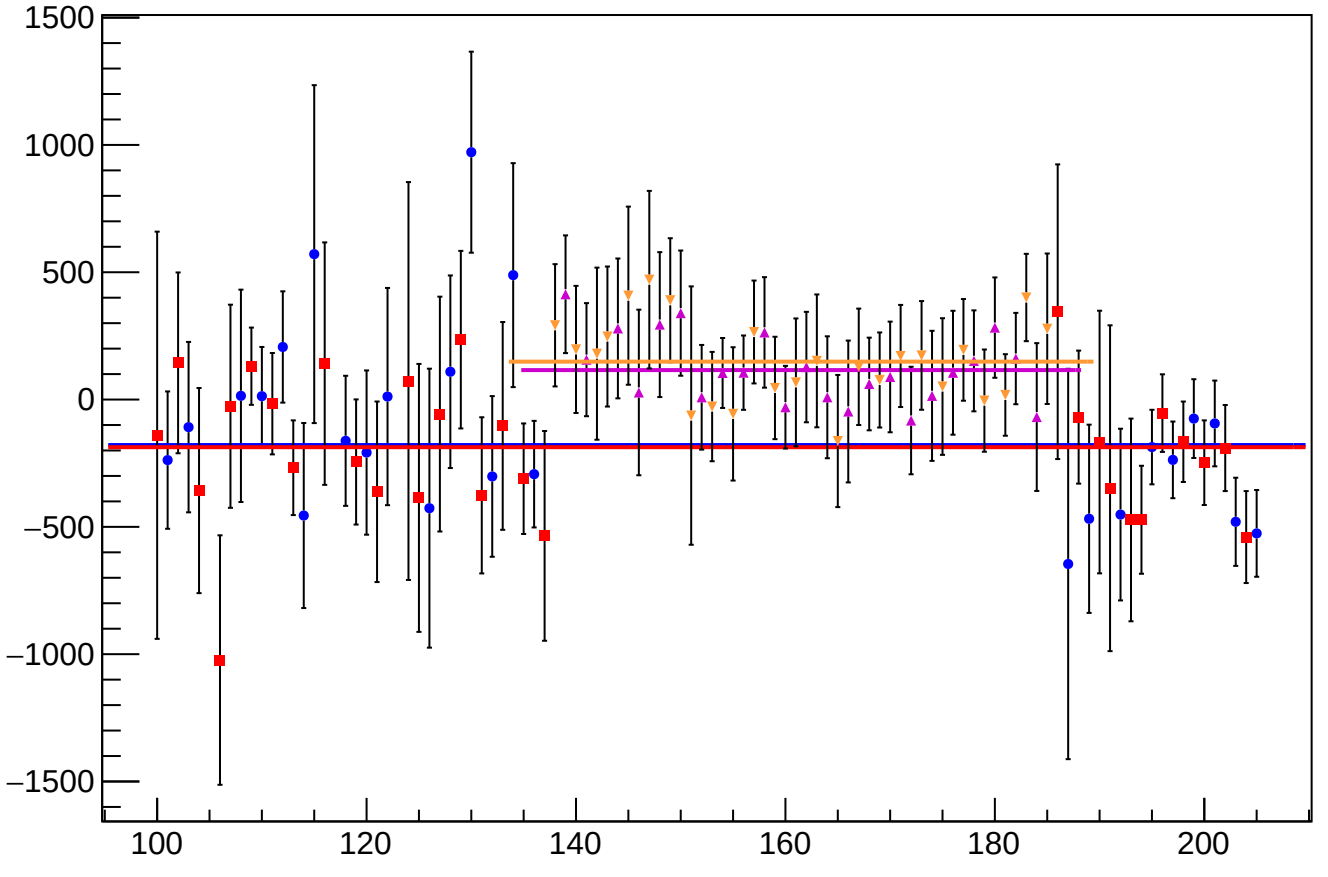
Left: 11.406+/-0.001 χ^2/NDF: 322630.2/46

Right: 10.985+/-0.001 χ^2/NDF: 370628.1/52

In: 11.164+/-0.001 χ^2/NDF:344543.0/47

Out: 11.259+/-0.001 χ^2/NDF:391828.6/51

All: 11.212+/-0.001 χ^2/NDF: 738739.1/99



Right In: -178.708+/-48.520 χ^2/NDF: 28.2/24

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: -187.095+/-47.036 χ^2/NDF: 21.7/29

Left In: 115.709+/-43.641 χ^2/NDF:7.8/22

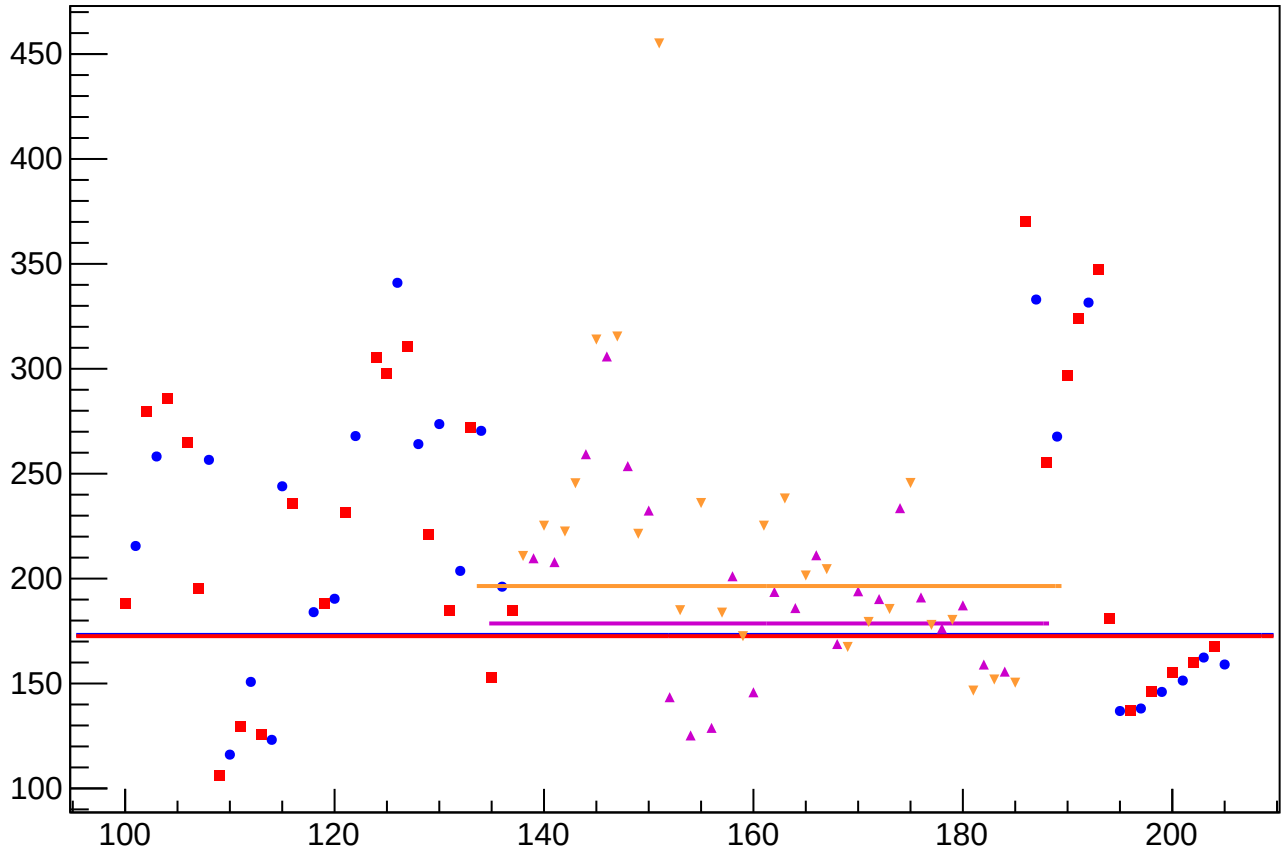
Left: 131.325+/-31.759 χ^2/NDF: 18.6/47

Right: -183.032+/-33.772 χ^2/NDF: 49.9/54

In: -15.956+/-32.447 χ^2/NDF:56.3/47

Out: -16.470+/-32.998 χ^2/NDF:58.1/54

All: -16.209+/-23.136 χ^2/NDF: 114.4/102



Right In: 173.159+/-0.034 χ^2/NDF: 2203393.1/24

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 172.566+/-0.033 χ^2/NDF: 2898741.0/29

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

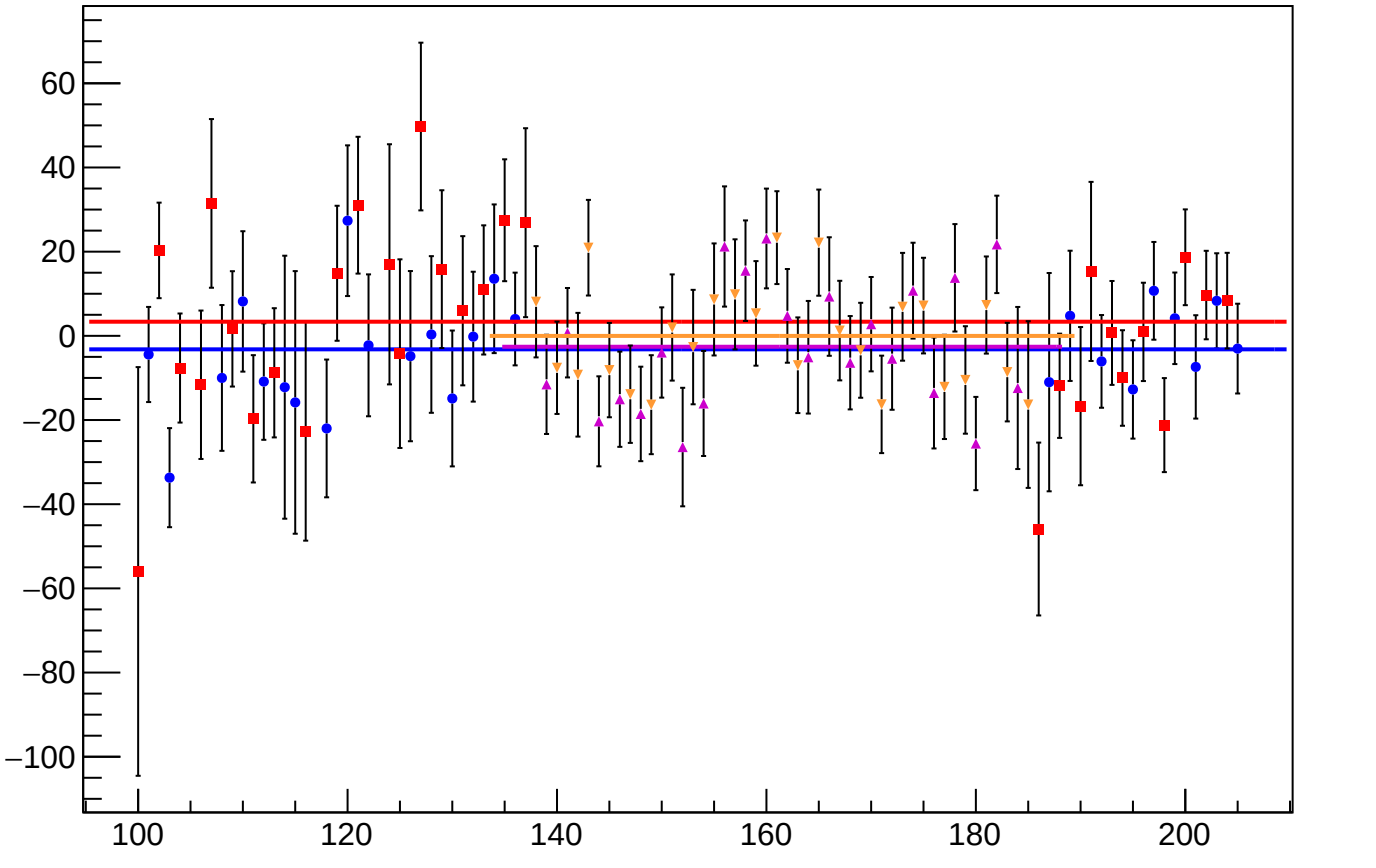
Left: 187.006+/-0.022 χ^2/NDF: 3654827.6/47

Right: 172.853+/-0.024 χ^2/NDF: 5102288.4/54

In: 176.175+/-0.023 χ^2/NDF:3896225.4/47

Out: 184.697+/-0.023 χ^2/NDF:4979463.4/54

All: 180.364+/-0.016 χ^2/NDF: 8943508.9/102



Right In: -3.208+/-2.831 χ^2/NDF: 18.2/24

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: 3.357+/-2.733 χ^2/NDF: 42.3/29

Left In: -2.591+/-2.506 χ^2/NDF:34.8/22

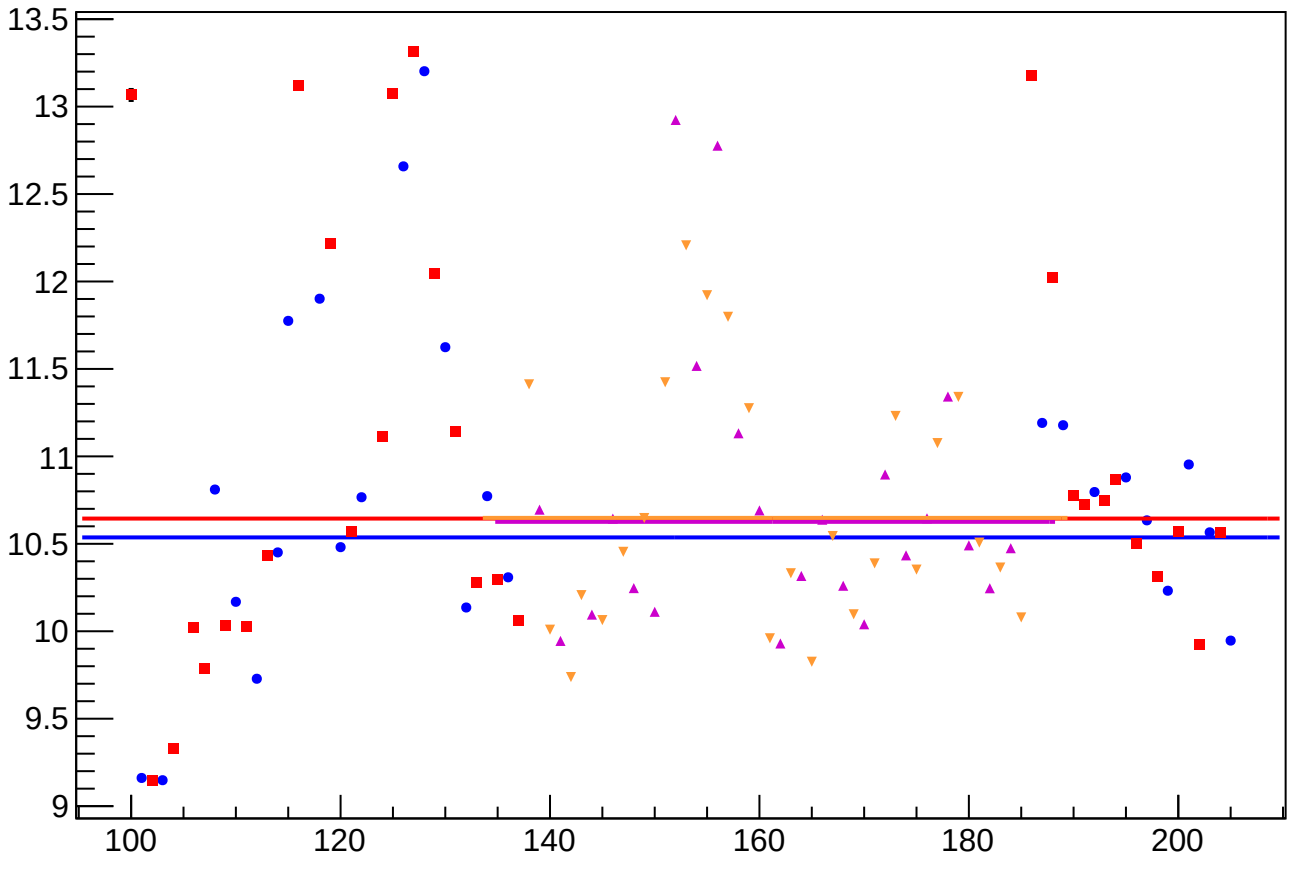
Left: -1.272+/-1.750 χ^2/NDF: 59.1/47

Right: 0.189+/-1.966 χ^2/NDF: 63.2/54

In: -2.862+/-1.876 χ^2/NDF:53.0/47

Out: 1.482+/-1.822 χ^2/NDF:66.9/54

All: -0.627+/-1.307 χ^2/NDF: 122.6/102



Right In: 10.537+/-0.002 χ^2/NDF: 175629.8/24

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.644+/-0.002 χ^2/NDF: 256106.6/29

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

Left: 10.637+/-0.001 χ^2/NDF: 303162.3/47

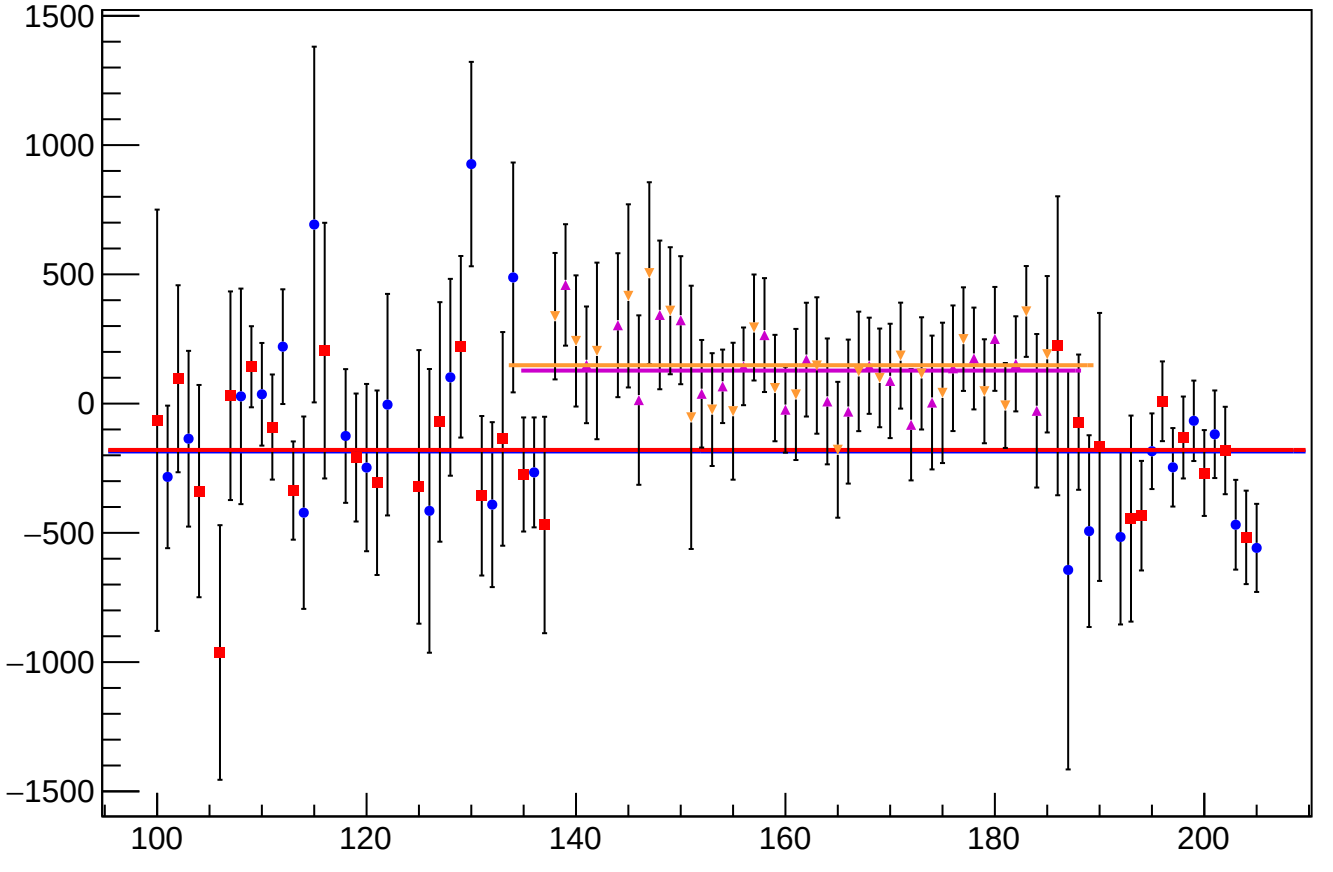
Right: 10.592+/-0.001 χ^2/NDF: 433235.6/54

In: 10.587+/-0.001 χ^2/NDF:336282.7/47

Out: 10.647+/-0.001 χ^2/NDF:399644.9/54

All: 10.617+/-0.001 χ^2/NDF: 736979.3/102

asym_bcm_dg_us_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -185.146+/-48.933 χ^2/NDF: 29.2/24

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: -179.228+/-47.746 χ^2/NDF: 19.7/27

Left In: 127.710+/-44.426 χ^2/NDF:7.8/22

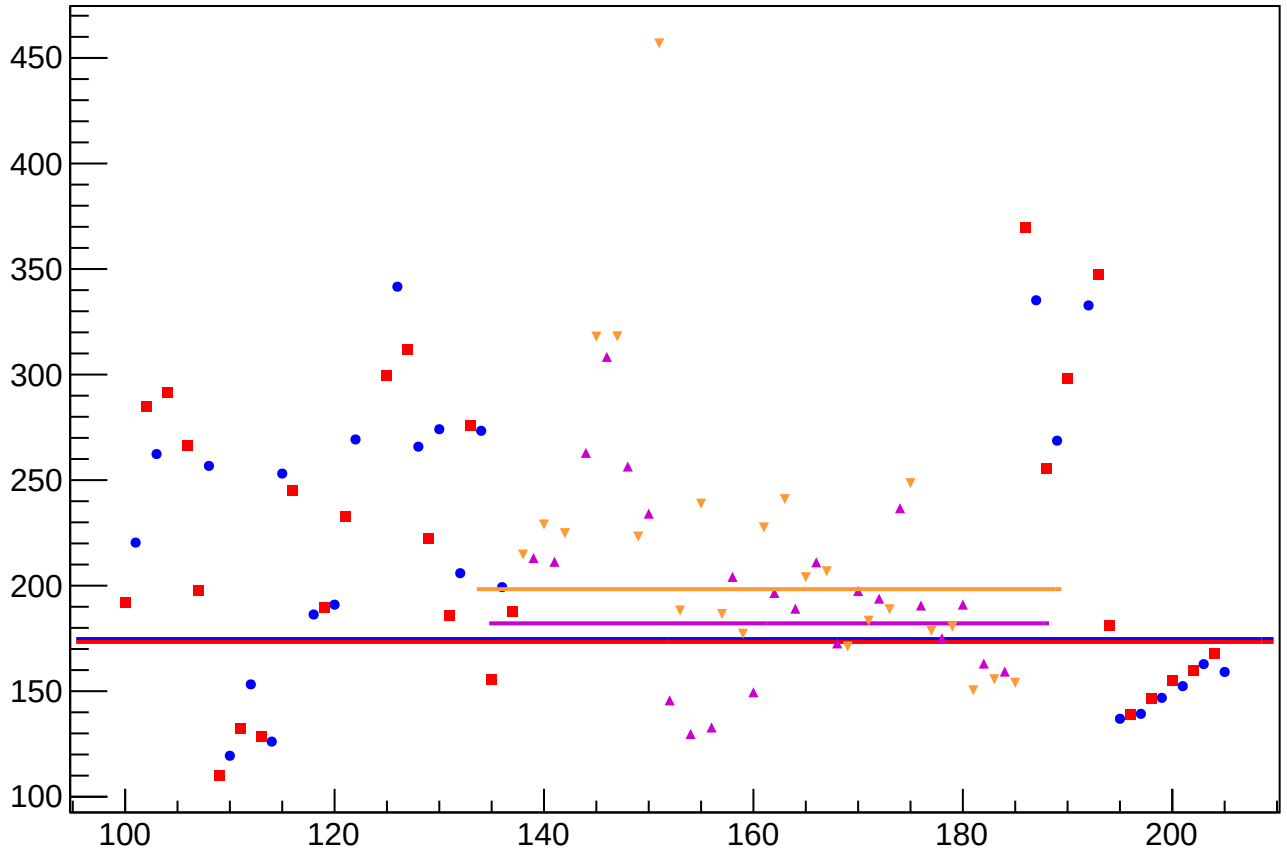
Left: 137.335+/-32.516 χ^2/NDF: 17.8/46

Right: -182.114+/-34.174 χ^2/NDF: 48.9/52

In: -13.650+/-32.892 χ^2/NDF:59.4/47

Out: -15.306+/-33.753 χ^2/NDF:53.2/51

All: -14.456+/-23.557 χ^2/NDF: 112.6/99



Right In: 174.692+/-0.035 χ^2/NDF: 2194347.3/24

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 173.334+/-0.034 χ^2/NDF: 2660147.4/27

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

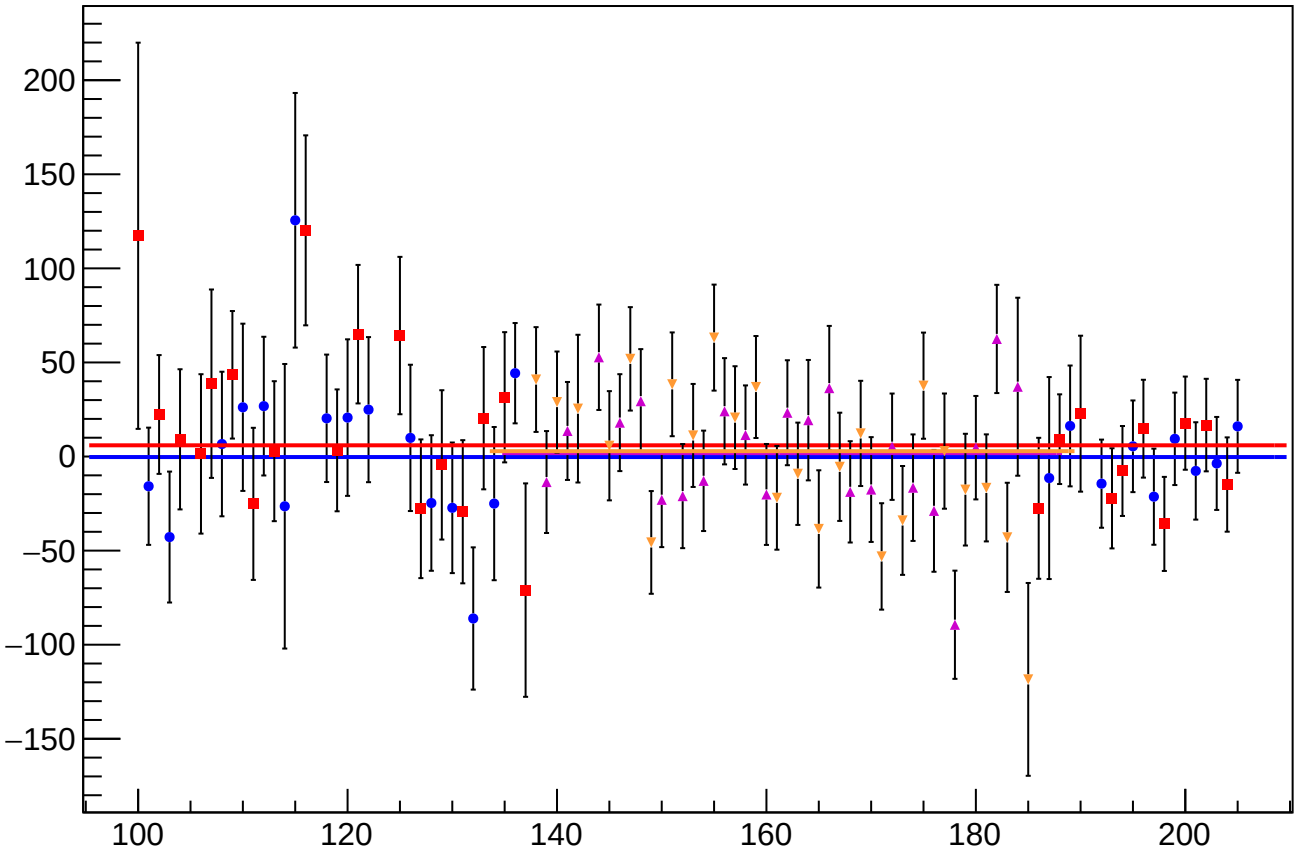
Left: 189.672+/-0.023 χ^2/NDF: 3404908.8/46

Right: 173.996+/-0.024 χ^2/NDF: 4855284.5/52

In: 178.780+/-0.023 χ^2/NDF:3804170.4/47

Out: 185.849+/-0.024 χ^2/NDF:4631897.5/51

All: 182.224+/-0.017 χ^2/NDF: 8481061.4/99



Right In: -0.275+/-6.448 χ^2/NDF: 18.8/24

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: 5.966+/-6.235 χ^2/NDF: 24.1/27

Left In: 1.850+/-5.893 χ^2/NDF:28.1/22

Left: 2.349+/-4.171 χ^2/NDF: 65.0/46

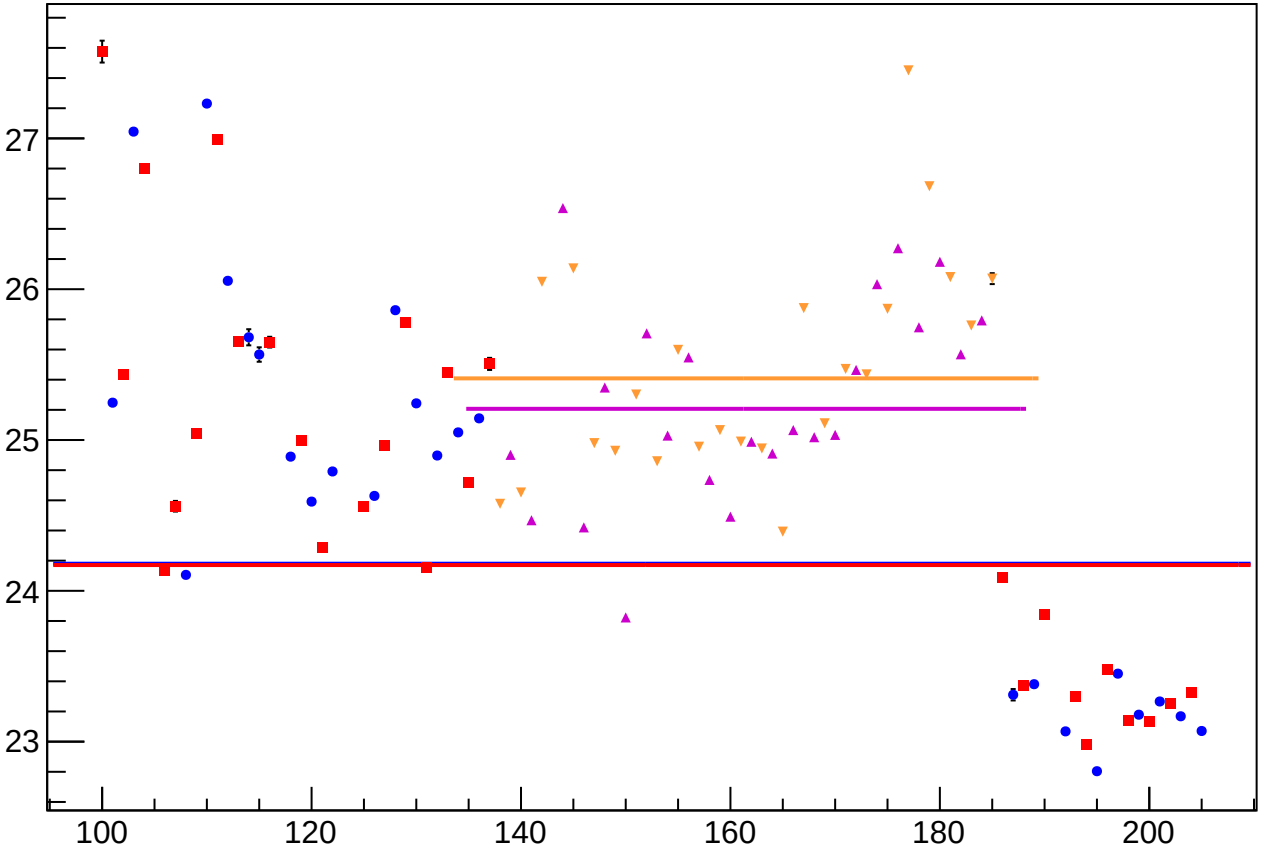
Right: 2.950+/-4.482 χ^2/NDF: 43.4/52

In: 0.883+/-4.350 χ^2/NDF:47.0/47

Out: 4.323+/-4.287 χ^2/NDF:61.1/51

All: 2.628+/-3.053 χ^2/NDF: 108.4/99

asym_bcm_dg_us_dg_ds_dd_rms vs Slug, Sign Corrected



Right In: 24.180+/-0.005 χ^2/NDF: 71967.0/24

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.171+/-0.004 χ^2/NDF: 63922.2/27

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

Left: 25.308+/-0.003 χ^2/NDF: 53862.4/46

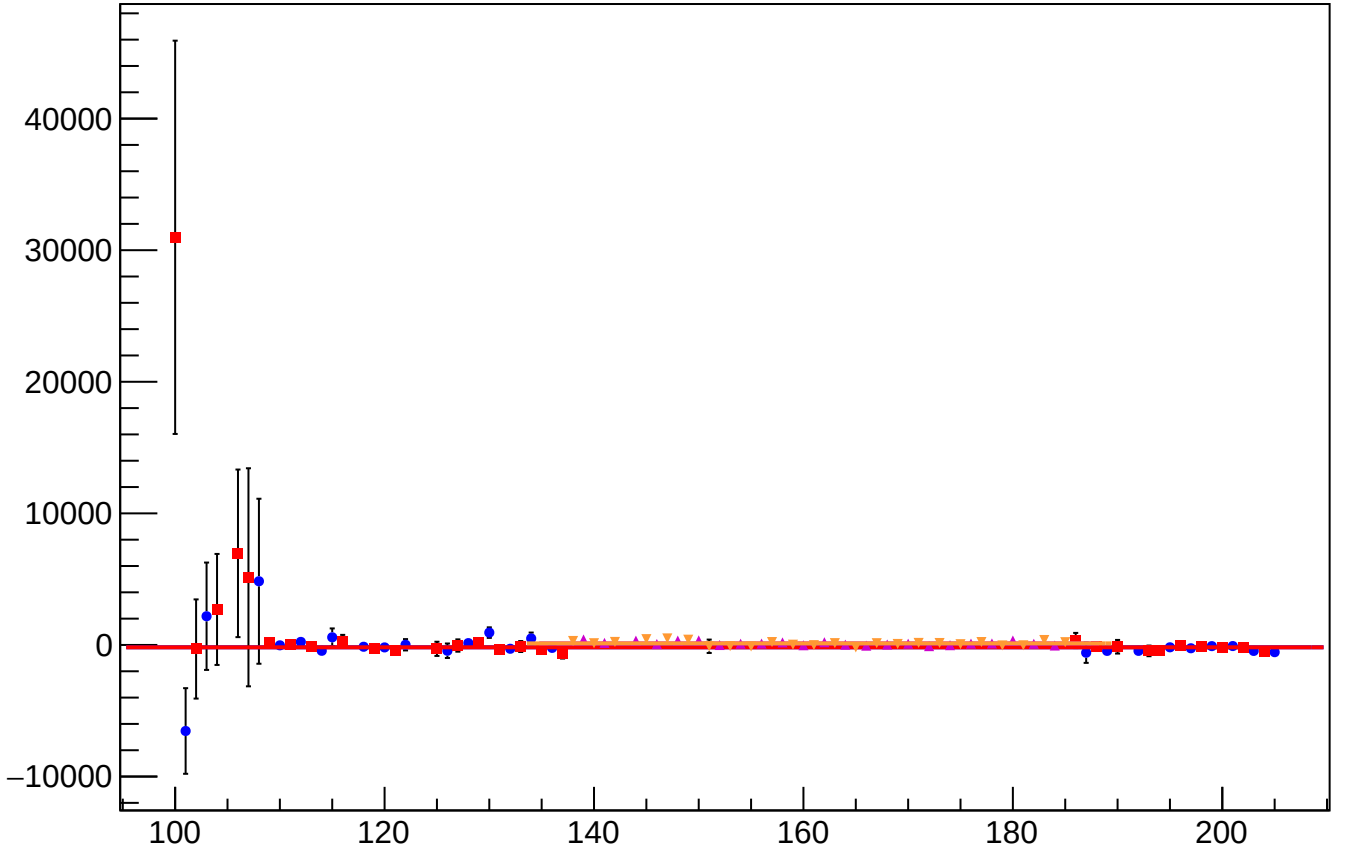
Right: 24.175+/-0.003 χ^2/NDF: 135891.0/52

In: 24.739+/-0.003 χ^2/NDF:125444.8/47

Out: 24.824+/-0.003 χ^2/NDF:132336.8/51

All: 24.782+/-0.002 χ^2/NDF: 258161.7/99

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug, Sign Corrected



Right In: -175.717+/-51.327 χ^2/NDF: 31.3/24

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: -179.126+/-50.849 χ^2/NDF: 22.1/27

Left In: 116.243+/-44.786 χ^2/NDF:8.4/22

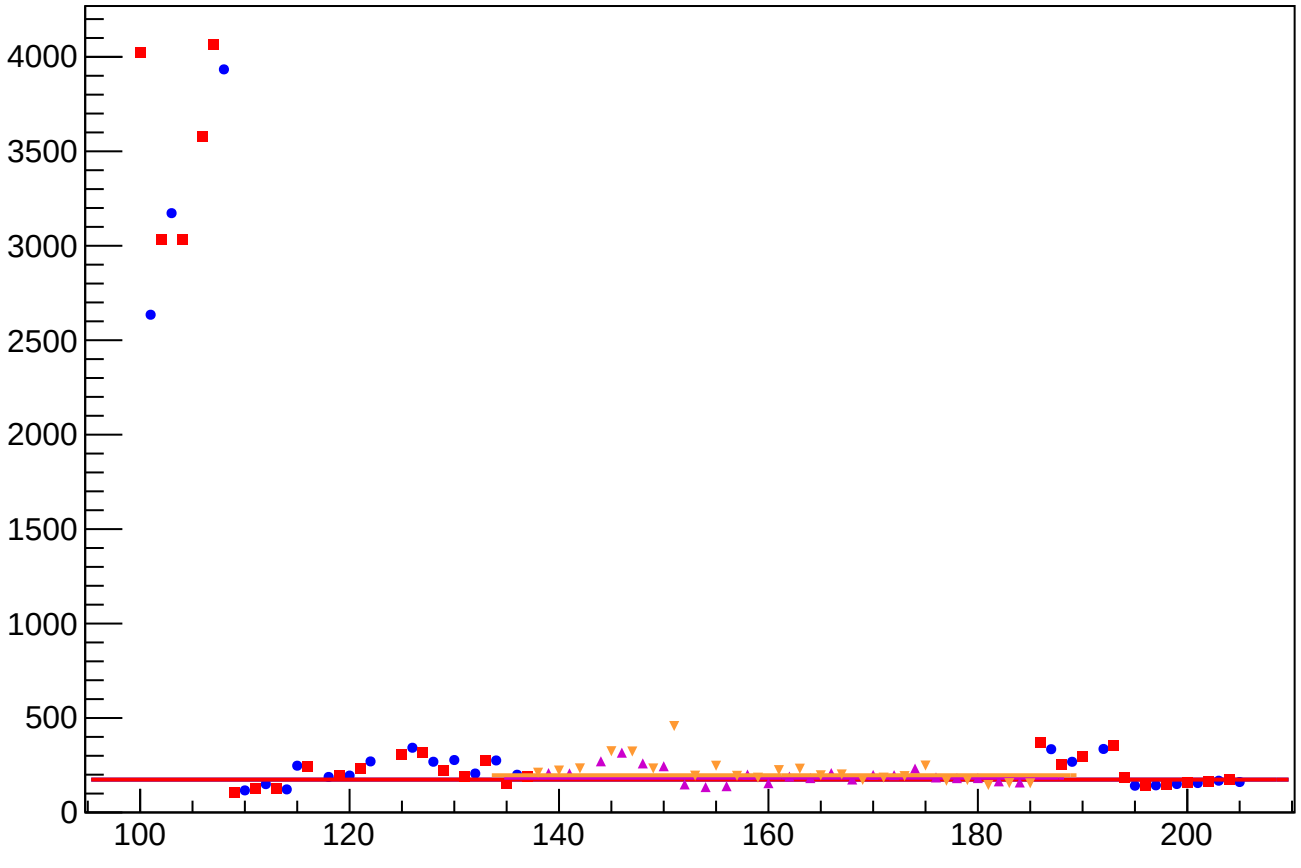
Left: 118.118+/-32.566 χ^2/NDF: 20.4/46

Right: -177.437+/-36.123 χ^2/NDF: 53.5/52

In: -9.960+/-33.746 χ^2/NDF:58.1/47

Out: -19.084+/-34.688 χ^2/NDF:52.6/51

All: -14.396+/-24.188 χ^2/NDF: 110.7/99



Right In: 173.826+/-0.036 χ^2/NDF: 4828451.1/24

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 173.940+/-0.036 χ^2/NDF: 5333302.5/27

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

Left: 190.123+/-0.023 χ^2/NDF: 3332695.4/46

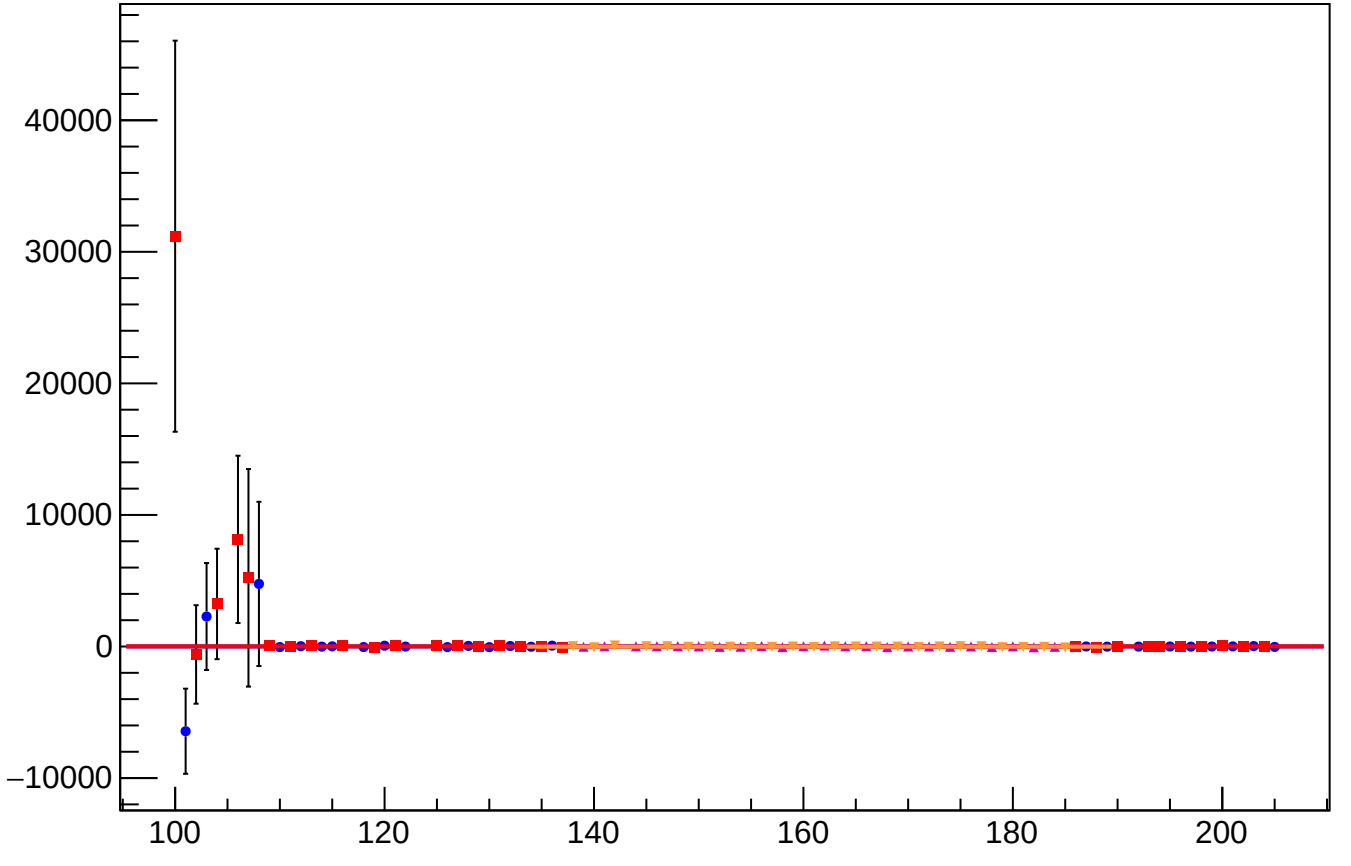
Right: 173.884+/-0.026 χ^2/NDF: 10161758.5/52

In: 179.631+/-0.024 χ^2/NDF:6318937.9/47

Out: 186.234+/-0.025 χ^2/NDF:7361247.8/51

All: 182.842+/-0.017 χ^2/NDF: 13717417.7/99

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug, Sign Corrected



Right In: 1.829+/-7.762 χ^2/NDF: 21.2/24

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: 14.670+/-7.651 χ^2/NDF: 28.5/27

Left In: 2.576+/-6.732 χ^2/NDF:22.2/22

Left: -4.348+/-4.732 χ^2/NDF: 41.8/46

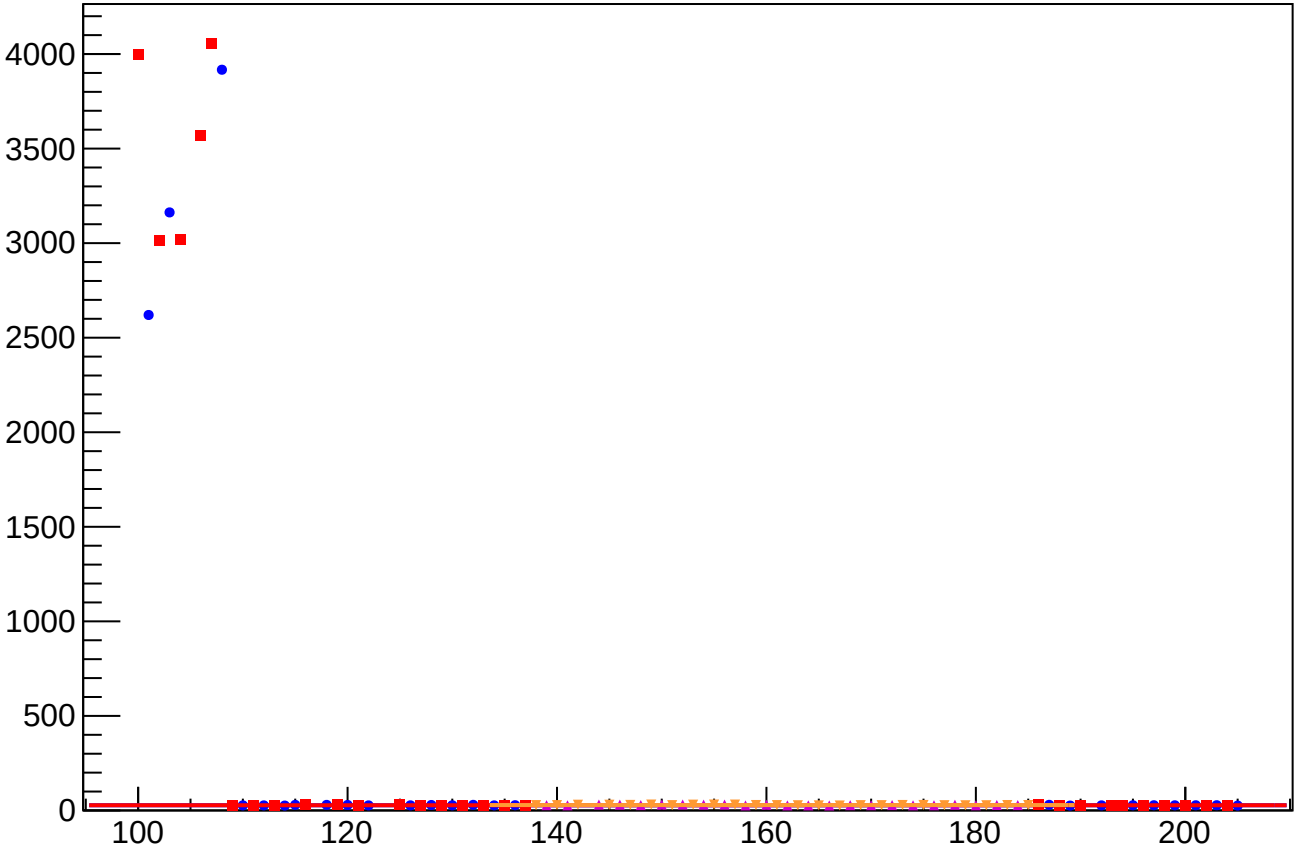
Right: 8.342+/-5.449 χ^2/NDF: 51.1/52

In: 2.255+/-5.086 χ^2/NDF:43.4/47

Out: -0.011+/-5.020 χ^2/NDF:52.5/51

All: 1.108+/-3.573 χ^2/NDF: 96.0/99

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 27.376+/-0.005 χ^2/NDF: 3283296.9/24

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.526+/-0.005 χ^2/NDF: 3581517.0/27

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

Left: 28.659+/-0.003 χ^2/NDF: 208789.7/46

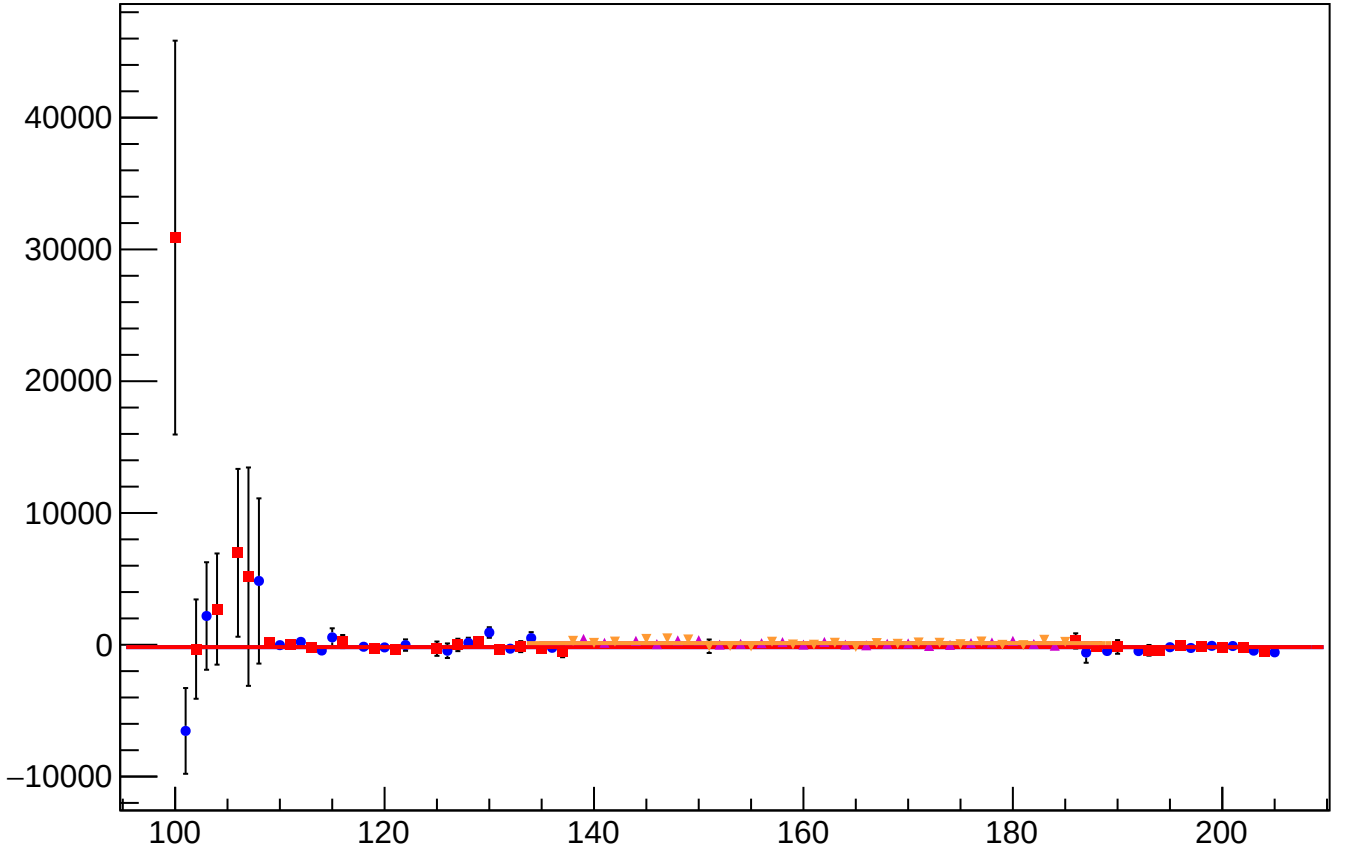
Right: 27.452+/-0.004 χ^2/NDF: 6865191.7/52

In: 28.147+/-0.004 χ^2/NDF:3445291.9/47

Out: 28.133+/-0.004 χ^2/NDF:3684642.0/51

All: 28.140+/-0.003 χ^2/NDF: 7129941.8/99

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug, Sign Corrected



Right In: -181.898+/-51.555 χ^2/NDF: 31.5/24

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: -175.843+/-51.065 χ^2/NDF: 20.3/27

Left In: 122.809+/-45.199 χ^2/NDF:8.0/22

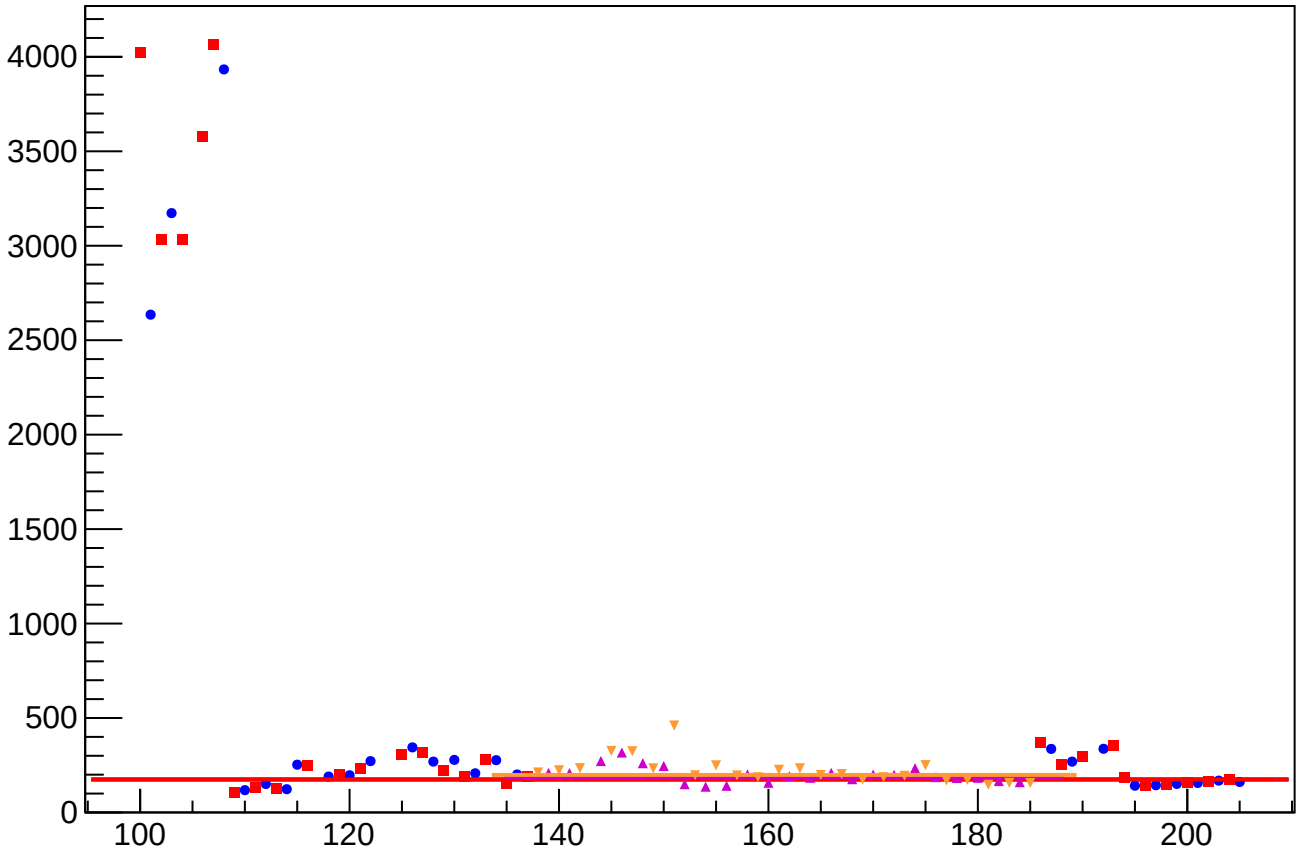
Left: 124.489+/-32.858 χ^2/NDF: 19.6/46

Right: -178.841+/-36.281 χ^2/NDF: 51.9/52

In: -9.611+/-33.987 χ^2/NDF:59.3/47

Out: -14.929+/-34.917 χ^2/NDF:50.6/51

All: -12.198+/-24.355 χ^2/NDF: 109.9/99



Right In: 174.617+/-0.036 χ^2/NDF: 4825366.6/24

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.737+/-0.036 χ^2/NDF: 5321416.1/27

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

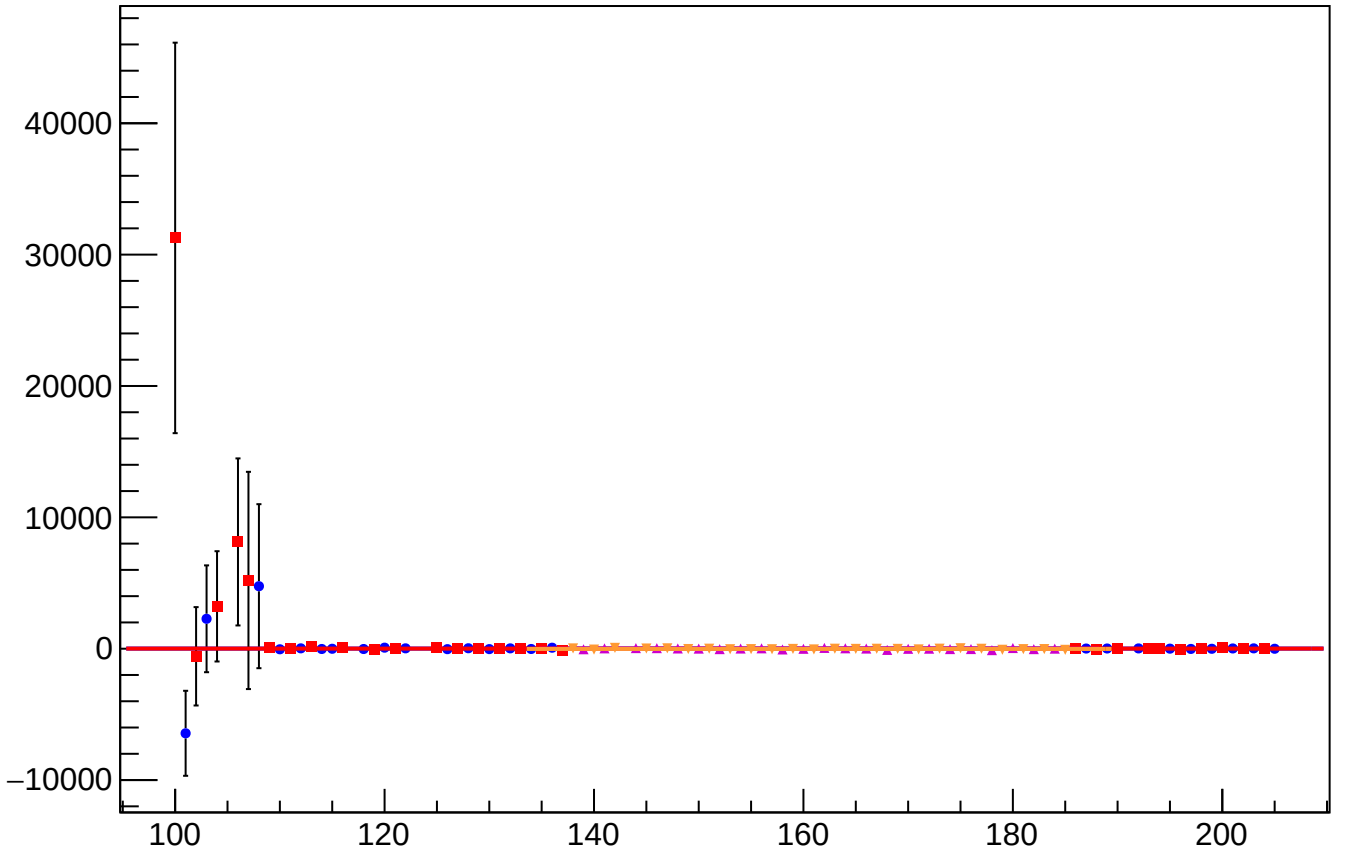
Left: 191.937+/-0.023 χ^2/NDF: 3268326.7/46

Right: 174.678+/-0.026 χ^2/NDF: 10146788.2/52

In: 180.981+/-0.024 χ^2/NDF:6284778.3/47

Out: 187.515+/-0.025 χ^2/NDF:7343024.8/51

All: 184.160+/-0.017 χ^2/NDF: 13663773.6/99



Right In: 10.061+/-8.579 χ^2/NDF: 17.2/24

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 8.110+/-8.446 χ^2/NDF: 36.8/27

Left In: -2.709+/-7.348 χ^2/NDF:35.5/22

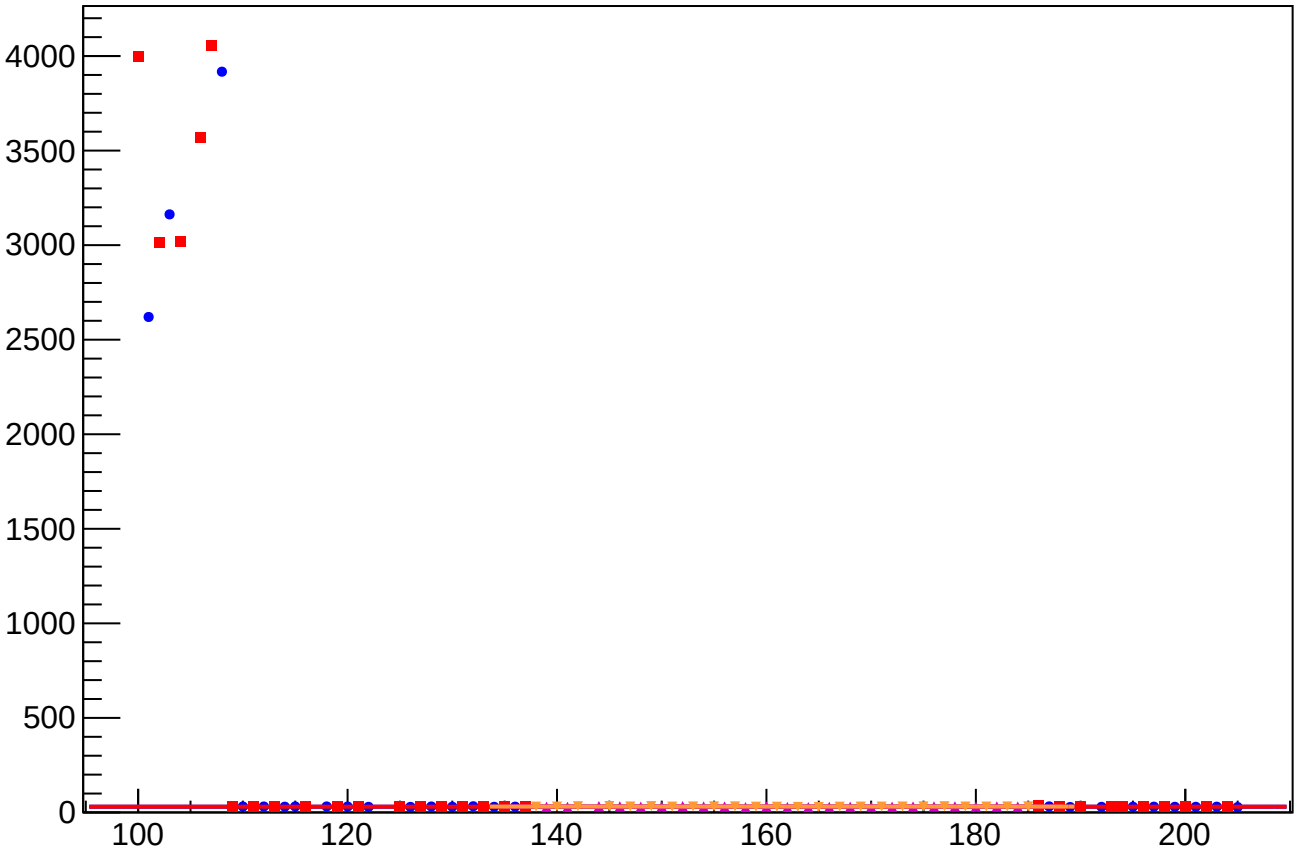
Left: -10.542+/-5.164 χ^2/NDF: 58.1/46

Right: 9.070+/-6.019 χ^2/NDF: 54.1/52

In: 2.694+/-5.581 χ^2/NDF:54.0/47

Out: -7.014+/-5.505 χ^2/NDF:62.7/51

All: -2.226+/-3.919 χ^2/NDF: 118.3/99



Right In: 30.272+/-0.006 χ^2/NDF: 3271780.6/24

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.407+/-0.006 χ^2/NDF: 3559222.3/27

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

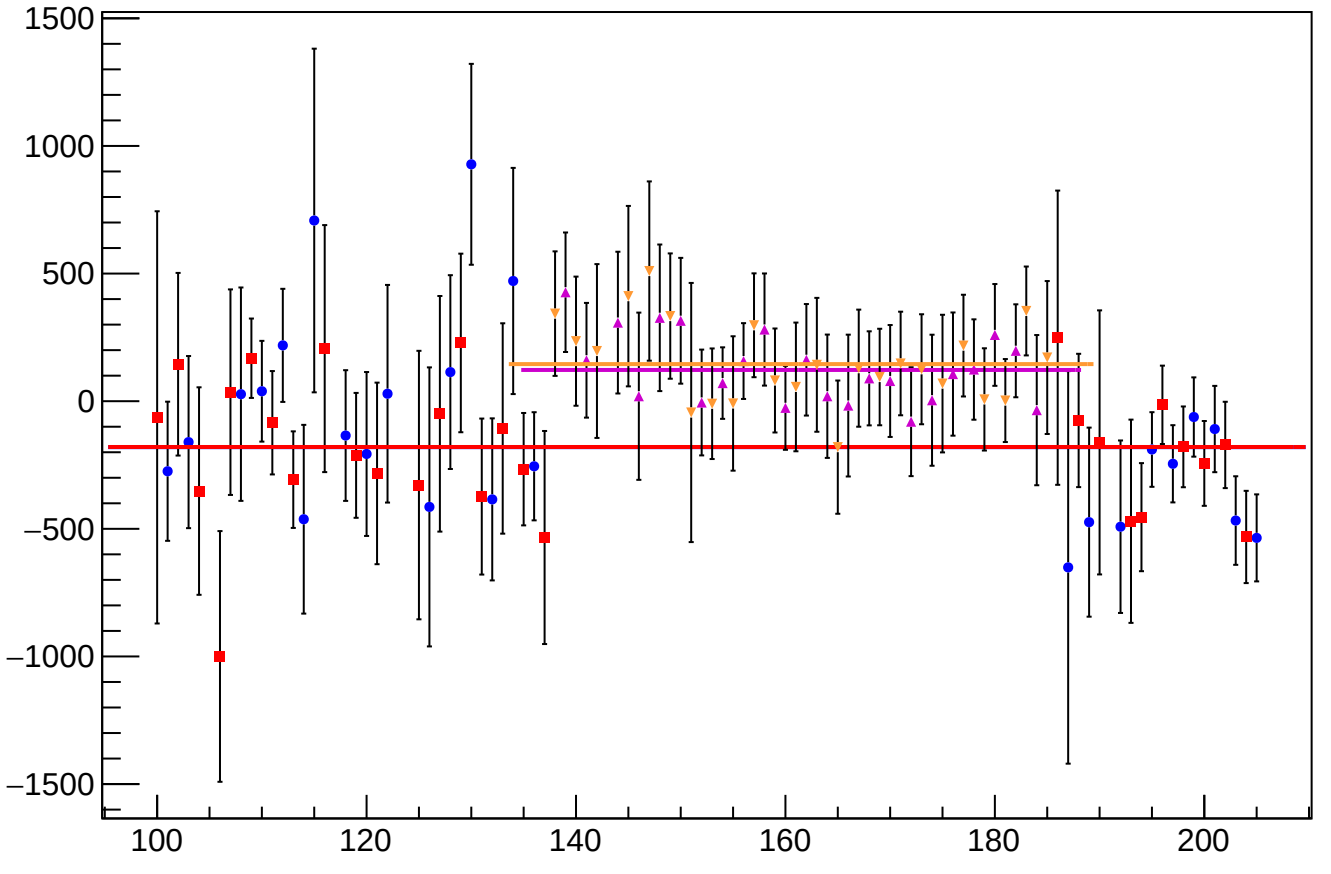
Left: 31.299+/-0.004 χ^2/NDF: 133120.3/46

Right: 30.340+/-0.004 χ^2/NDF: 6831254.2/52

In: 30.911+/-0.004 χ^2/NDF:3376242.8/47

Out: 30.875+/-0.004 χ^2/NDF:3617350.3/51

All: 30.893+/-0.003 χ^2/NDF: 6993633.9/99



Right In: -180.061+/-48.771 χ^2/NDF: 28.8/24

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: -179.404+/-47.569 χ^2/NDF: 21.4/27

Left In: 122.376+/-44.081 χ^2/NDF:7.9/22

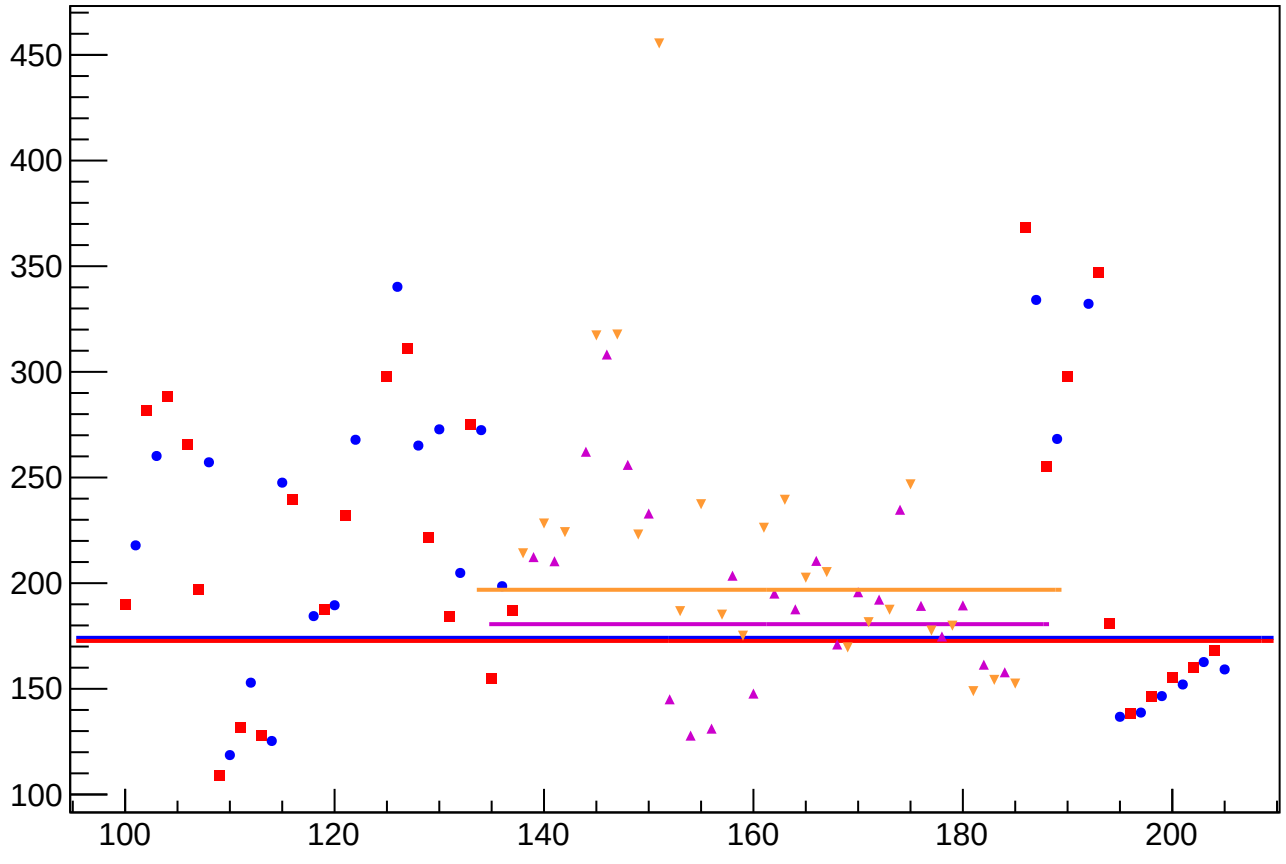
Left: 133.016+/-32.277 χ^2/NDF: 17.4/46

Right: -179.724+/-34.053 χ^2/NDF: 50.1/52

In: -13.606+/-32.703 χ^2/NDF:57.8/47

Out: -16.434+/-33.573 χ^2/NDF:54.1/51

All: -14.983+/-23.426 χ^2/NDF: 111.9/99



Right In: 174.133+/-0.034 χ^2/NDF: 2184458.1/24

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 172.665+/-0.034 χ^2/NDF: 2657717.8/27

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

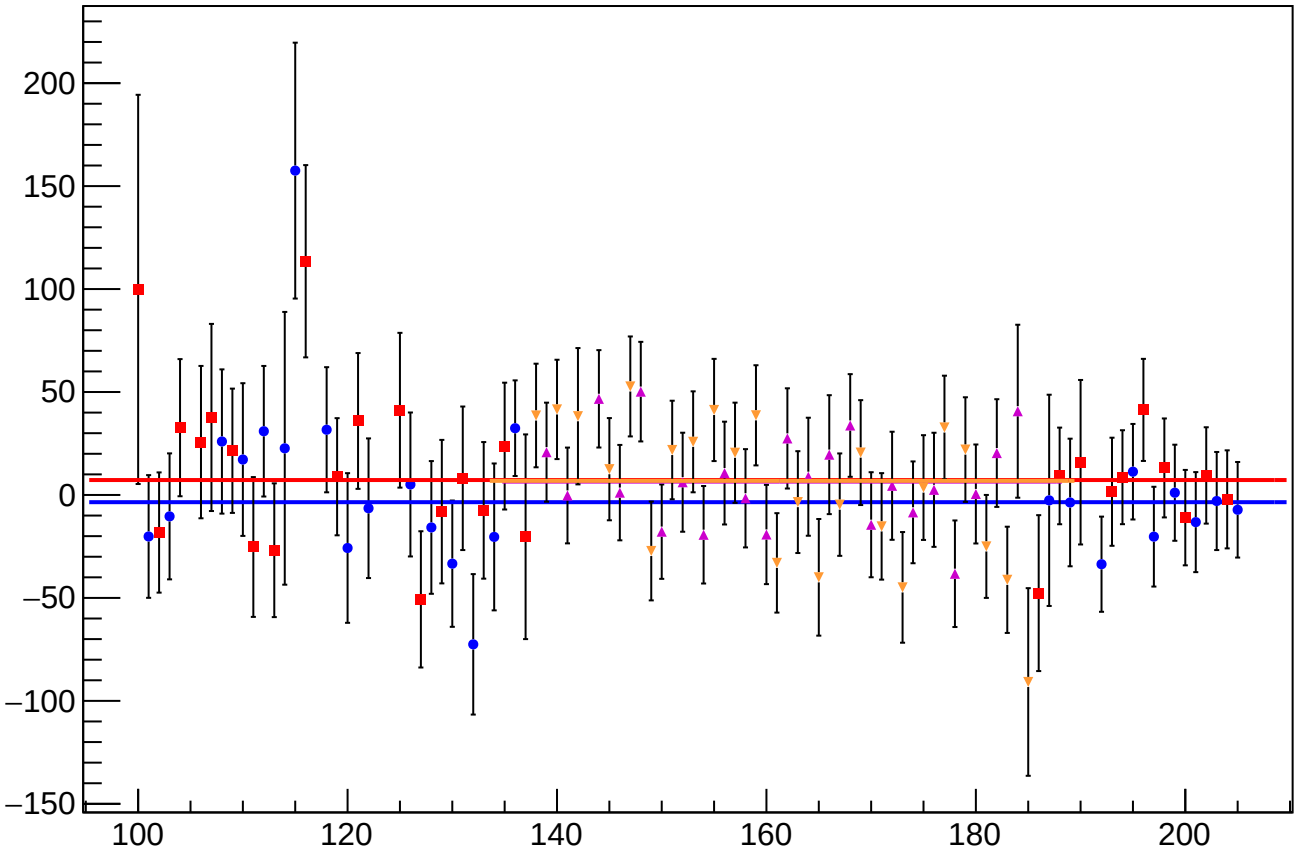
Left: 188.149+/-0.023 χ^2/NDF: 3479589.1/46

Right: 173.381+/-0.024 χ^2/NDF: 4843104.8/52

In: 177.693+/-0.023 χ^2/NDF:3831890.2/47

Out: 184.815+/-0.024 χ^2/NDF:4642773.6/51

All: 181.160+/-0.017 χ^2/NDF: 8520838.6/99



Right In: -3.504+/-5.947 χ^2/NDF: 21.8/24

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: 7.248+/-5.784 χ^2/NDF: 21.0/27

Left In: 6.482+/-5.247 χ^2/NDF:17.4/22

Left: 6.670+/-3.704 χ^2/NDF: 54.3/46

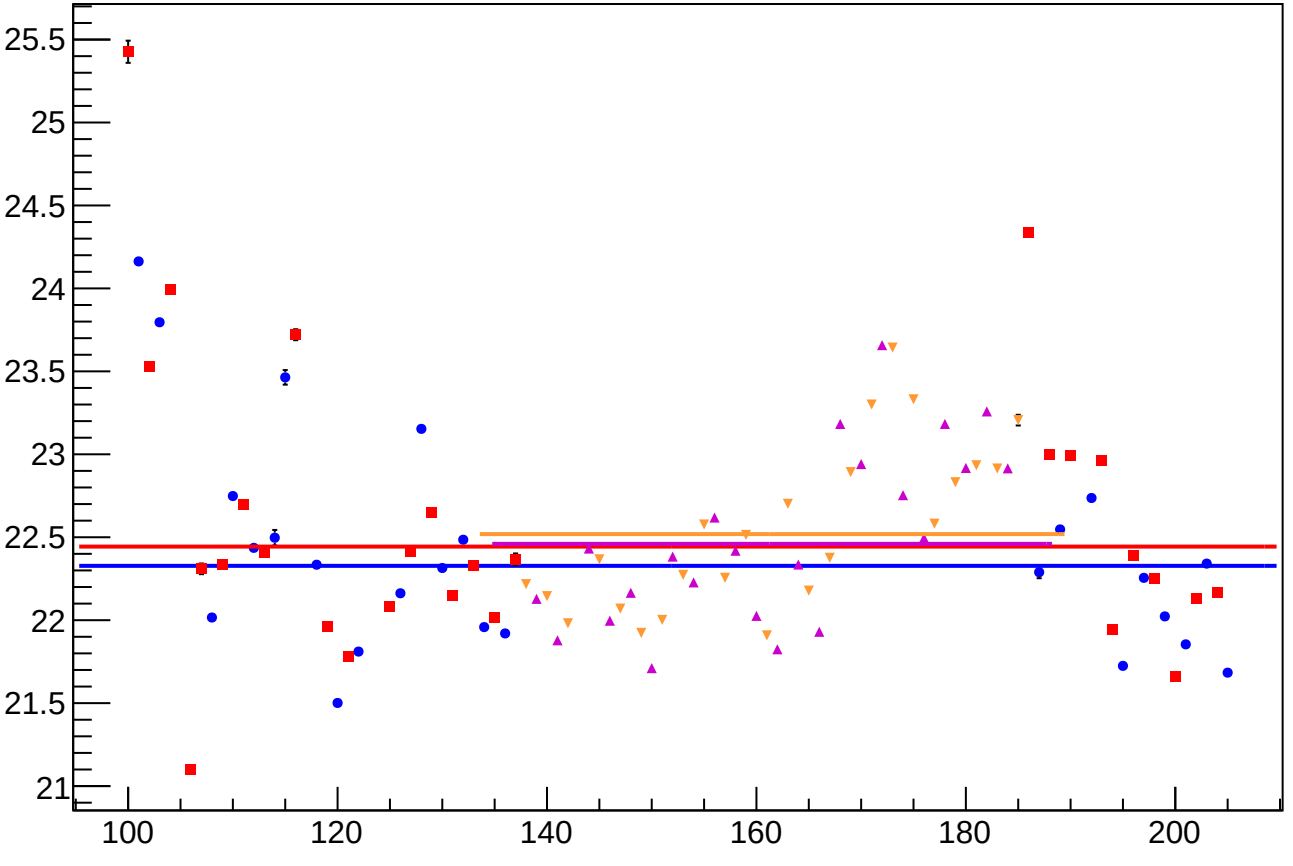
Right: 2.021+/-4.146 χ^2/NDF: 44.5/52

In: 2.111+/-3.934 χ^2/NDF:40.9/47

Out: 7.033+/-3.879 χ^2/NDF:57.8/51

All: 4.607+/-2.762 χ^2/NDF: 99.5/99

asym_bcm_dg_us_an_us_dd_rms vs Slug, Sign Corrected



Right In: 22.328+/-0.004 χ^2/NDF: 21780.2/24

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.444+/-0.004 χ^2/NDF: 26872.1/27

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

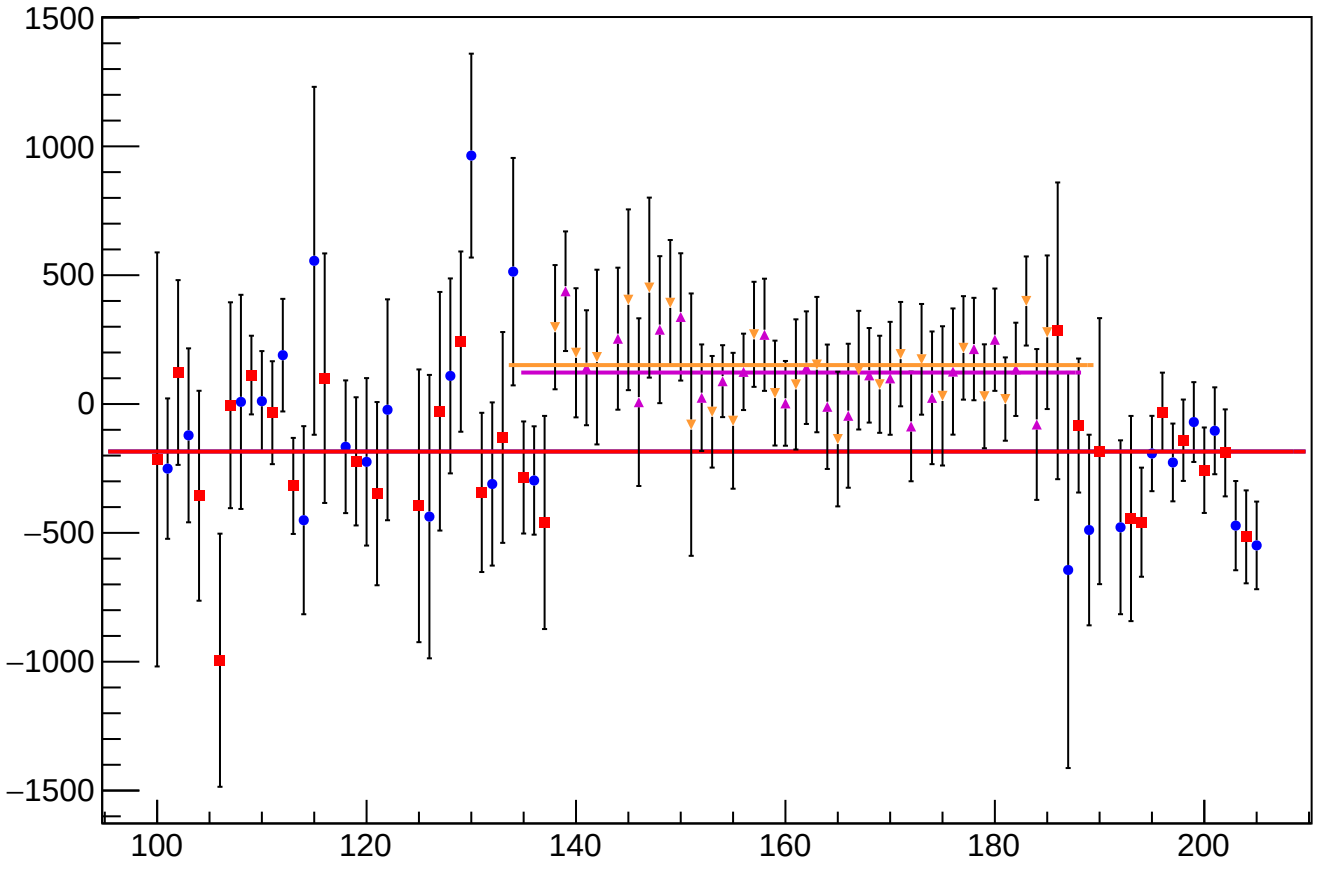
Left: 22.490+/-0.003 χ^2/NDF: 35241.2/46

Right: 22.387+/-0.003 χ^2/NDF: 49043.8/52

In: 22.402+/-0.003 χ^2/NDF:41456.4/47

Out: 22.485+/-0.003 χ^2/NDF:43056.7/51

All: 22.444+/-0.002 χ^2/NDF: 84963.8/99



Right In: -184.042+/-48.630 χ^2/NDF: 28.3/24

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: -184.507+/-47.350 χ^2/NDF: 19.5/27

Left In: 122.165+/-44.006 χ^2/NDF:7.5/22

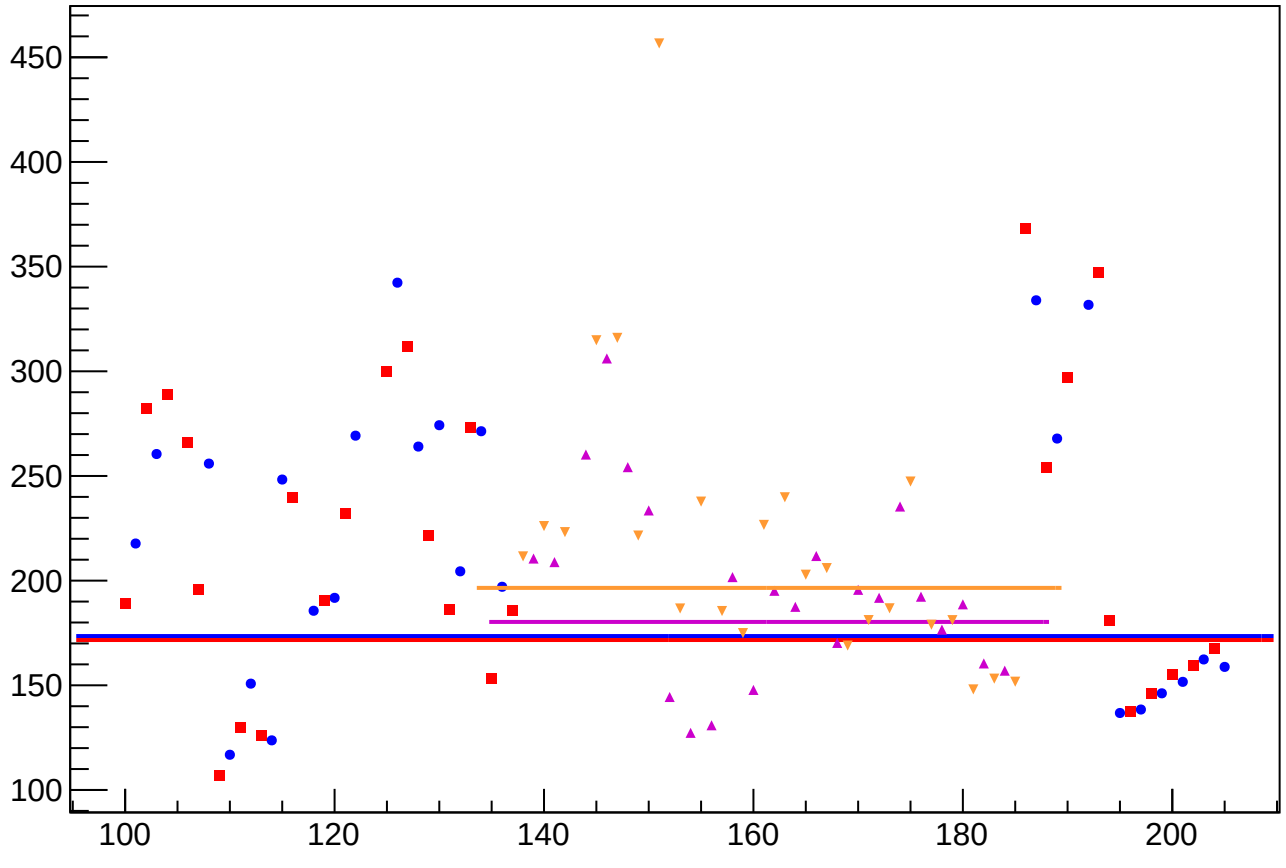
Left: 135.589+/-32.224 χ^2/NDF: 17.6/46

Right: -184.281+/-33.925 χ^2/NDF: 47.9/52

In: -15.691+/-32.630 χ^2/NDF:57.6/47

Out: -16.580+/-33.469 χ^2/NDF:54.6/51

All: -16.124+/-23.364 χ^2/NDF: 112.2/99



Right In: 173.527+/-0.034 χ^2/NDF: 2214111.4/24

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.633+/-0.033 χ^2/NDF: 2728530.7/27

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

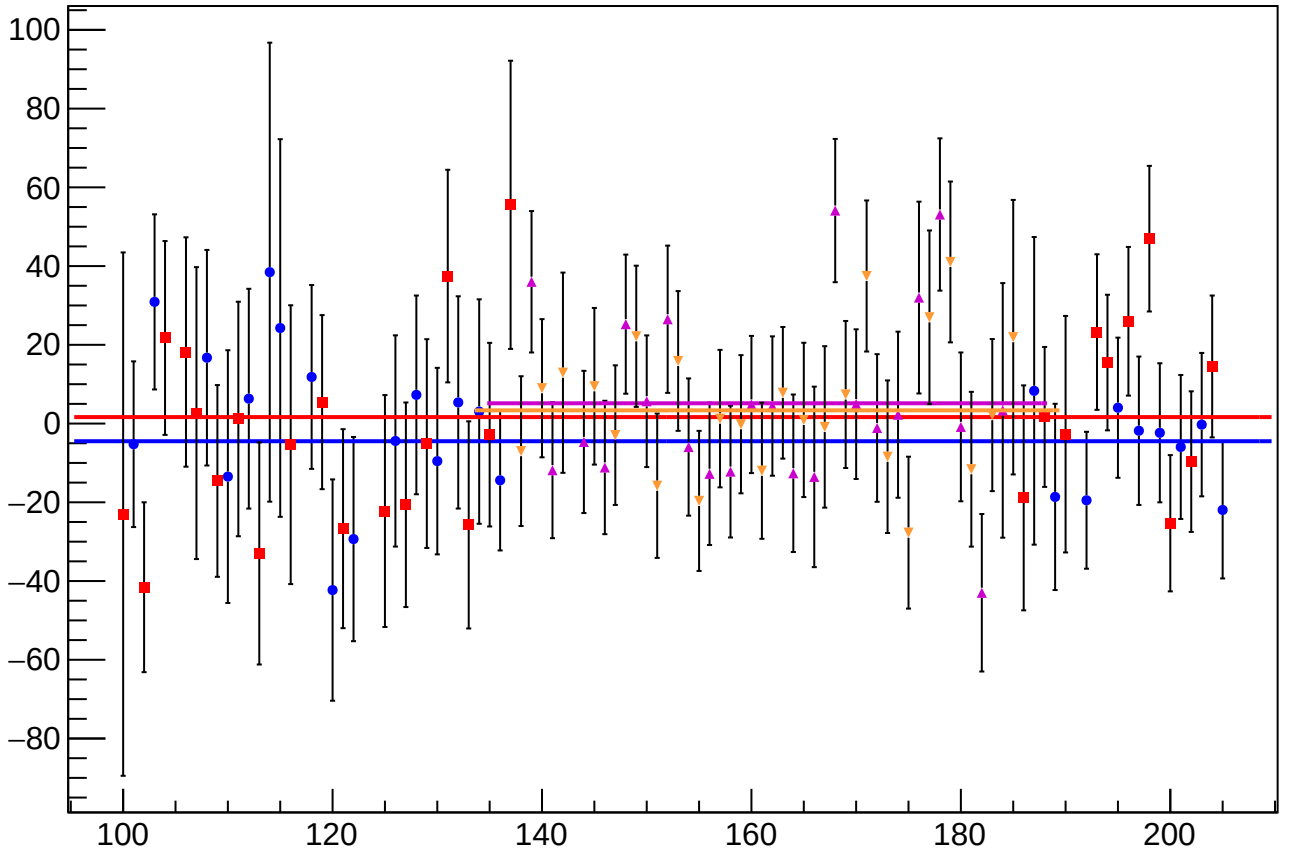
Left: 187.815+/-0.023 χ^2/NDF: 3479198.8/46

Right: 172.555+/-0.024 χ^2/NDF: 4944199.1/52

In: 177.237+/-0.023 χ^2/NDF:3859962.0/47

Out: 184.092+/-0.024 χ^2/NDF:4733166.1/51

All: 180.577+/-0.017 χ^2/NDF: 8636148.3/99



Right In: -4.485+/-4.568 χ^2/NDF: 10.8/24

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: 1.644+/-4.446 χ^2/NDF: 28.3/27

Left In: 5.150+/-3.924 χ^2/NDF:32.3/22

Left: 4.250+/-2.768 χ^2/NDF: 50.1/46

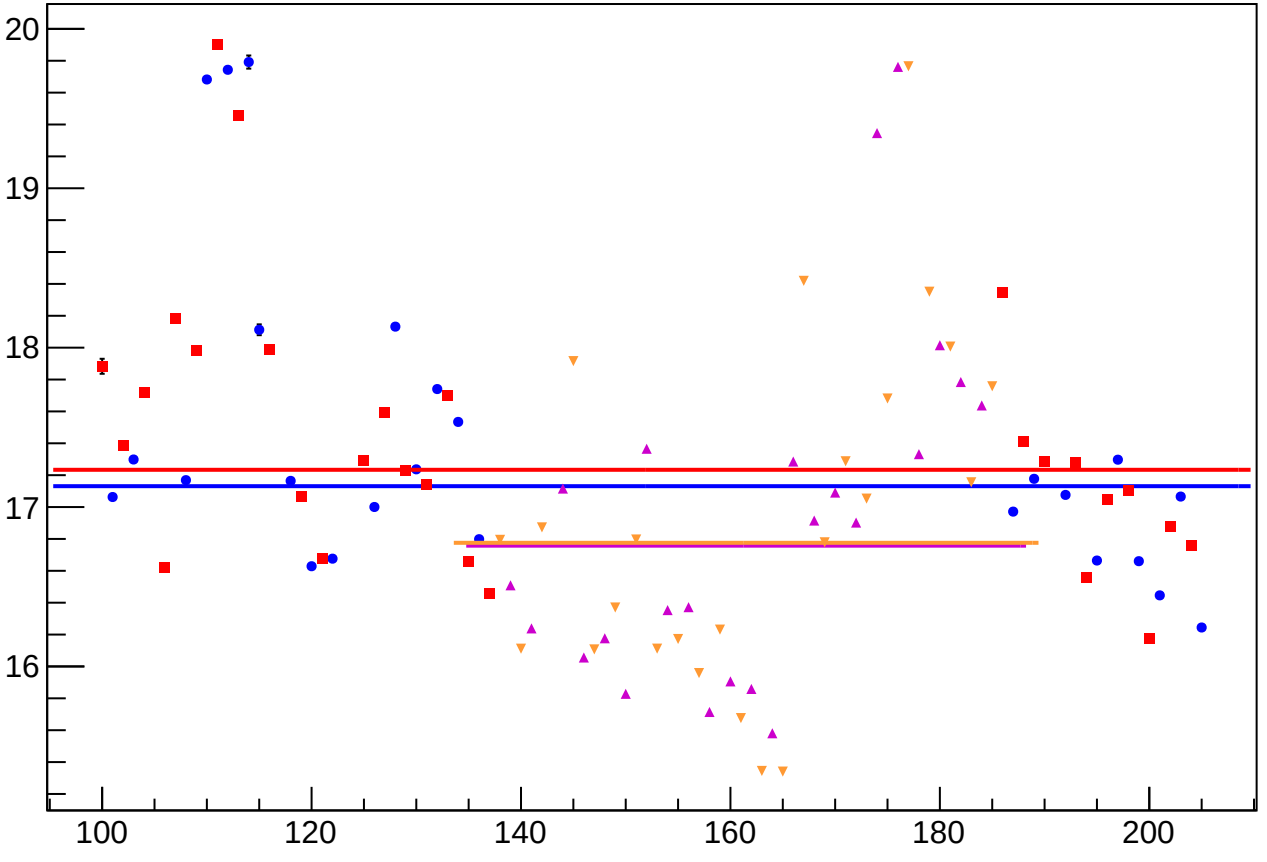
Right: -1.338+/-3.186 χ^2/NDF: 40.0/52

In: 1.059+/-2.977 χ^2/NDF:45.6/47

Out: 2.612+/-2.934 χ^2/NDF:46.1/51

All: 1.847+/-2.090 χ^2/NDF: 91.9/99

asym_bcm_dg_ds_an_us_dd_rms vs Slug, Sign Corrected



Right In: 17.131+/-0.003 χ^2/NDF: 52944.8/24

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.234+/-0.003 χ^2/NDF: 55098.0/27

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

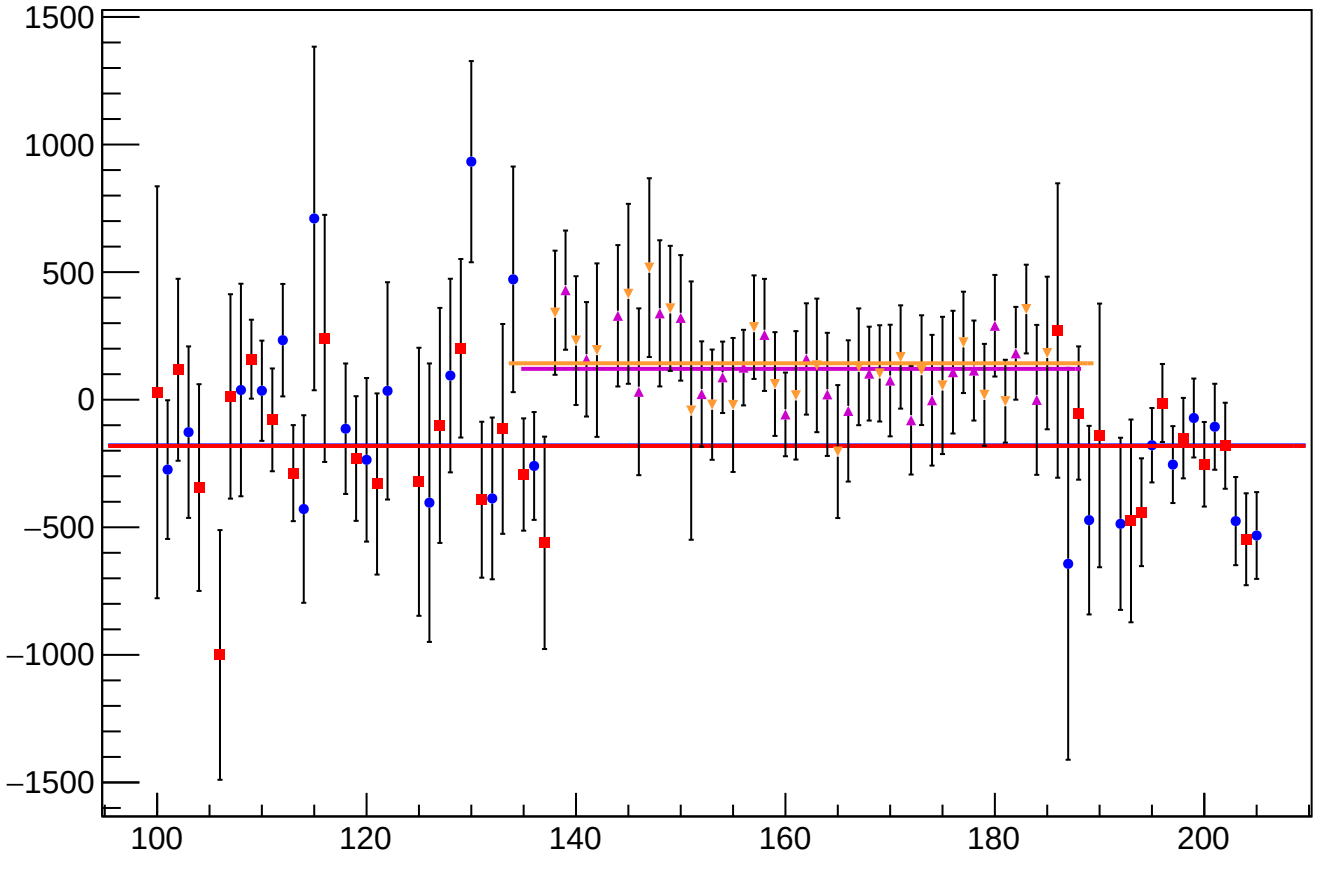
Left: 16.767+/-0.002 χ^2/NDF: 259470.4/46

Right: 17.184+/-0.002 χ^2/NDF: 108562.8/52

In: 16.916+/-0.002 χ^2/NDF:183930.4/47

Out: 16.975+/-0.002 χ^2/NDF:203222.6/51

All: 16.946+/-0.001 χ^2/NDF: 387550.6/99



Right In: -179.117+/-48.620 χ^2/NDF: 29.0/24

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: -181.462+/-47.429 χ^2/NDF: 21.7/27

Left In: 120.888+/-43.994 χ^2/NDF:8.2/22

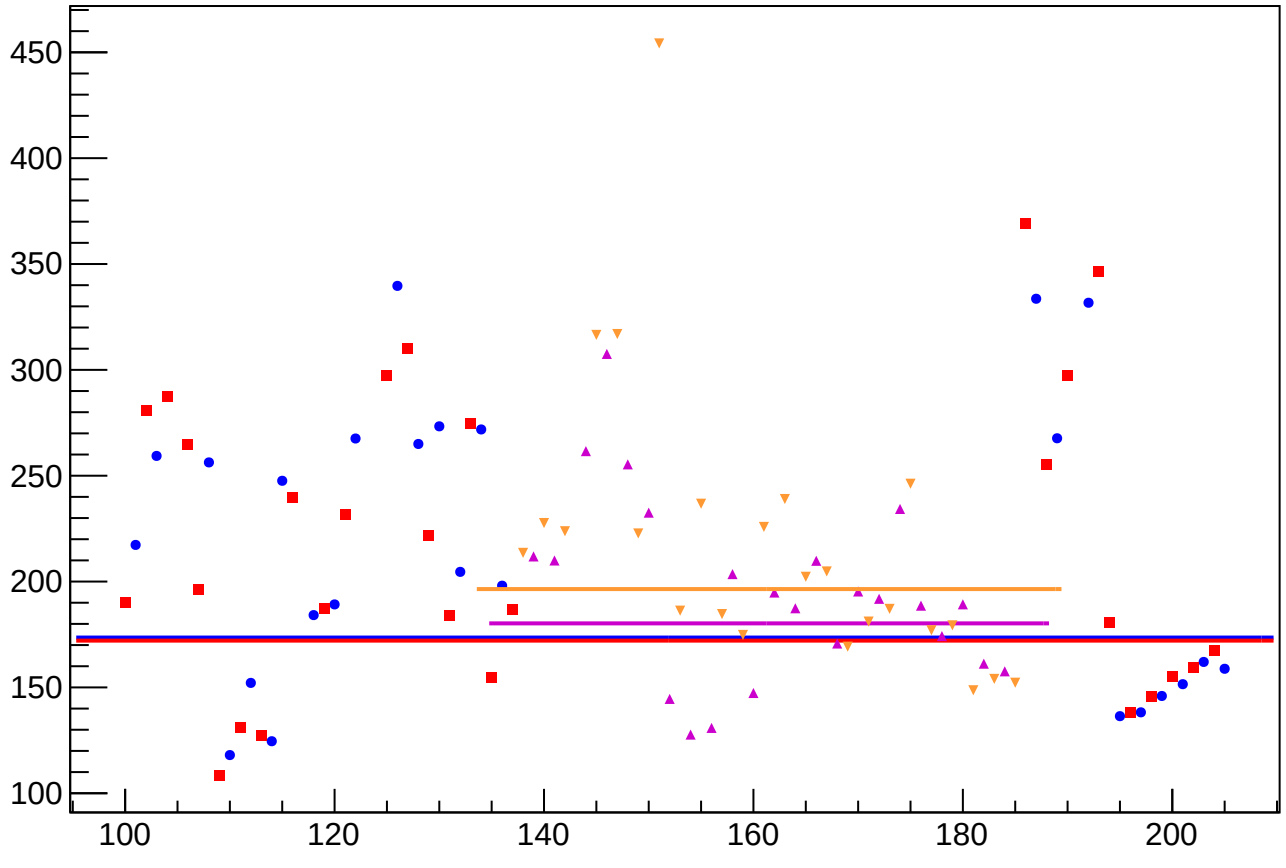
Left: 131.006+/-32.210 χ^2/NDF: 18.5/46

Right: -180.318+/-33.950 χ^2/NDF: 50.8/52

In: -14.168+/-32.622 χ^2/NDF:58.2/47

Out: -18.900+/-33.487 χ^2/NDF:55.3/51

All: -16.472+/-23.367 χ^2/NDF: 113.5/99



Right In: 173.551+/-0.034 χ^2/NDF: 2197484.5/24

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 172.104+/-0.034 χ^2/NDF: 2674638.1/27

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

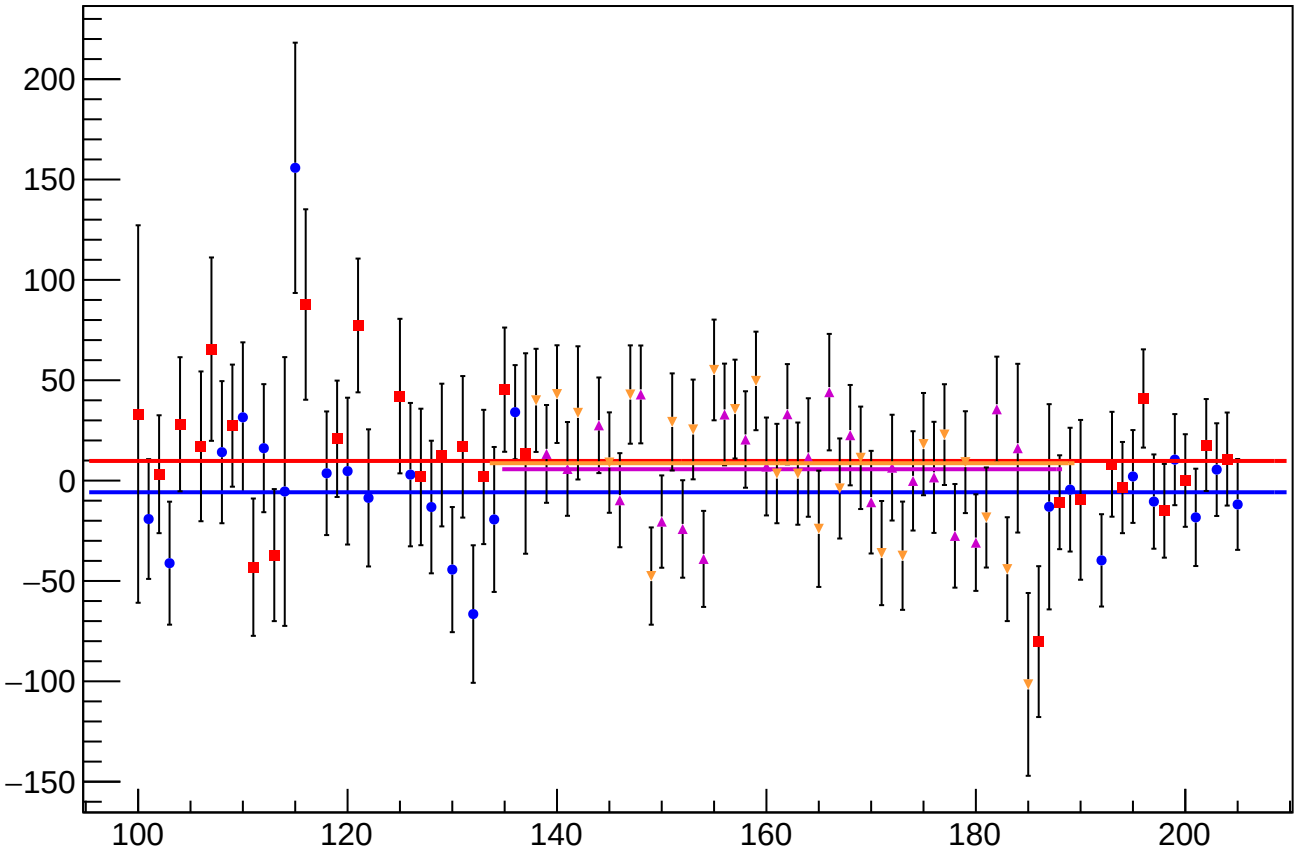
Left: 187.766+/-0.023 χ^2/NDF: 3477190.3/46

Right: 172.810+/-0.024 χ^2/NDF: 4873030.8/52

In: 177.233+/-0.023 χ^2/NDF:3846122.7/47

Out: 184.314+/-0.024 χ^2/NDF:4662491.3/51

All: 180.681+/-0.017 χ^2/NDF: 8554497.2/99



Right In: -5.806+/-5.927 χ^2/NDF: 21.5/24

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: 9.790+/-5.778 χ^2/NDF: 26.0/27

Left In: 5.668+/-5.286 χ^2/NDF:20.8/22

Left: 7.169+/-3.734 χ^2/NDF: 60.1/46

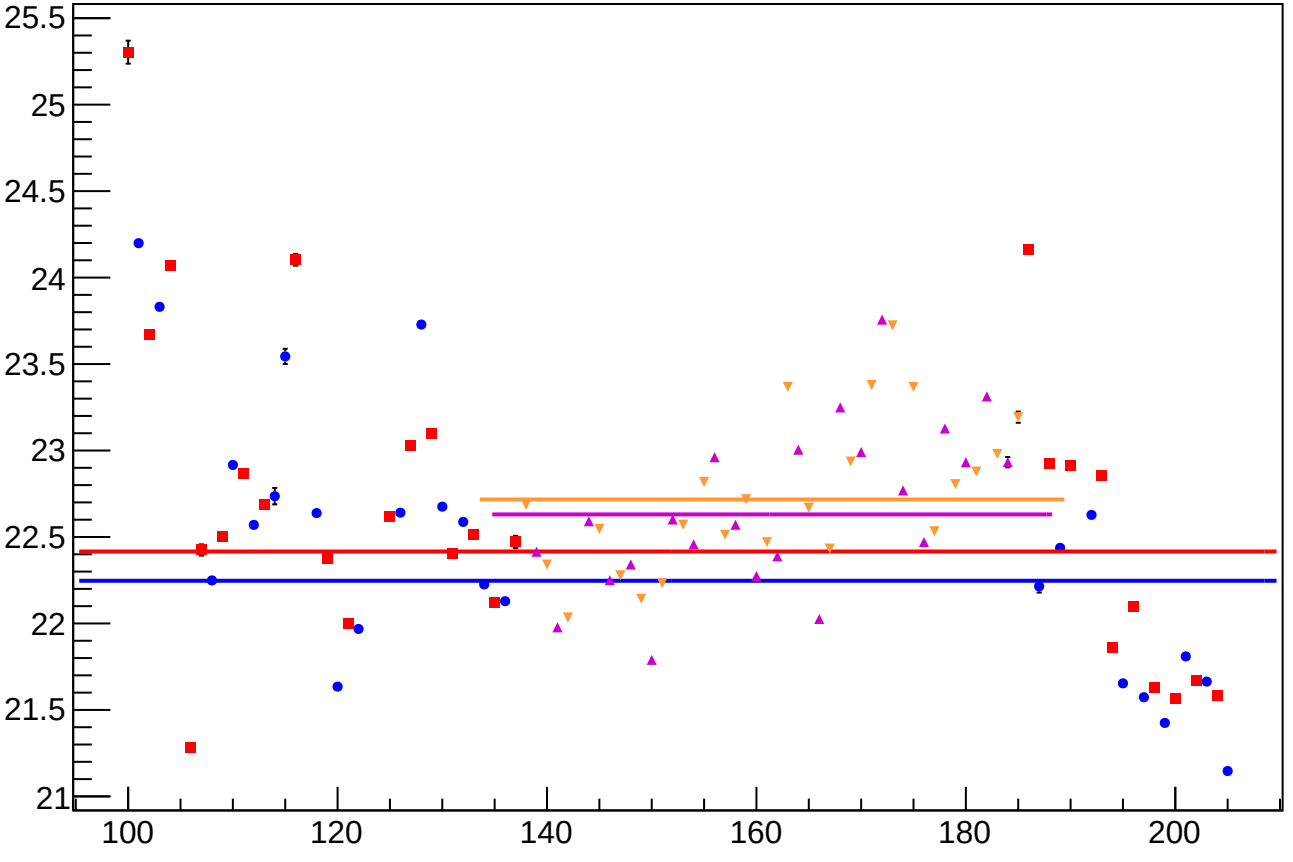
Right: 2.190+/-4.137 χ^2/NDF: 51.0/52

In: 0.584+/-3.945 χ^2/NDF:44.4/47

Out: 9.176+/-3.896 χ^2/NDF:65.2/51

All: 4.934+/-2.772 χ^2/NDF: 111.9/99

asym_bcm_dg_us_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 22.247+/-0.004 χ^2/NDF: 34498.6/24

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.416+/-0.004 χ^2/NDF: 34633.8/27

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

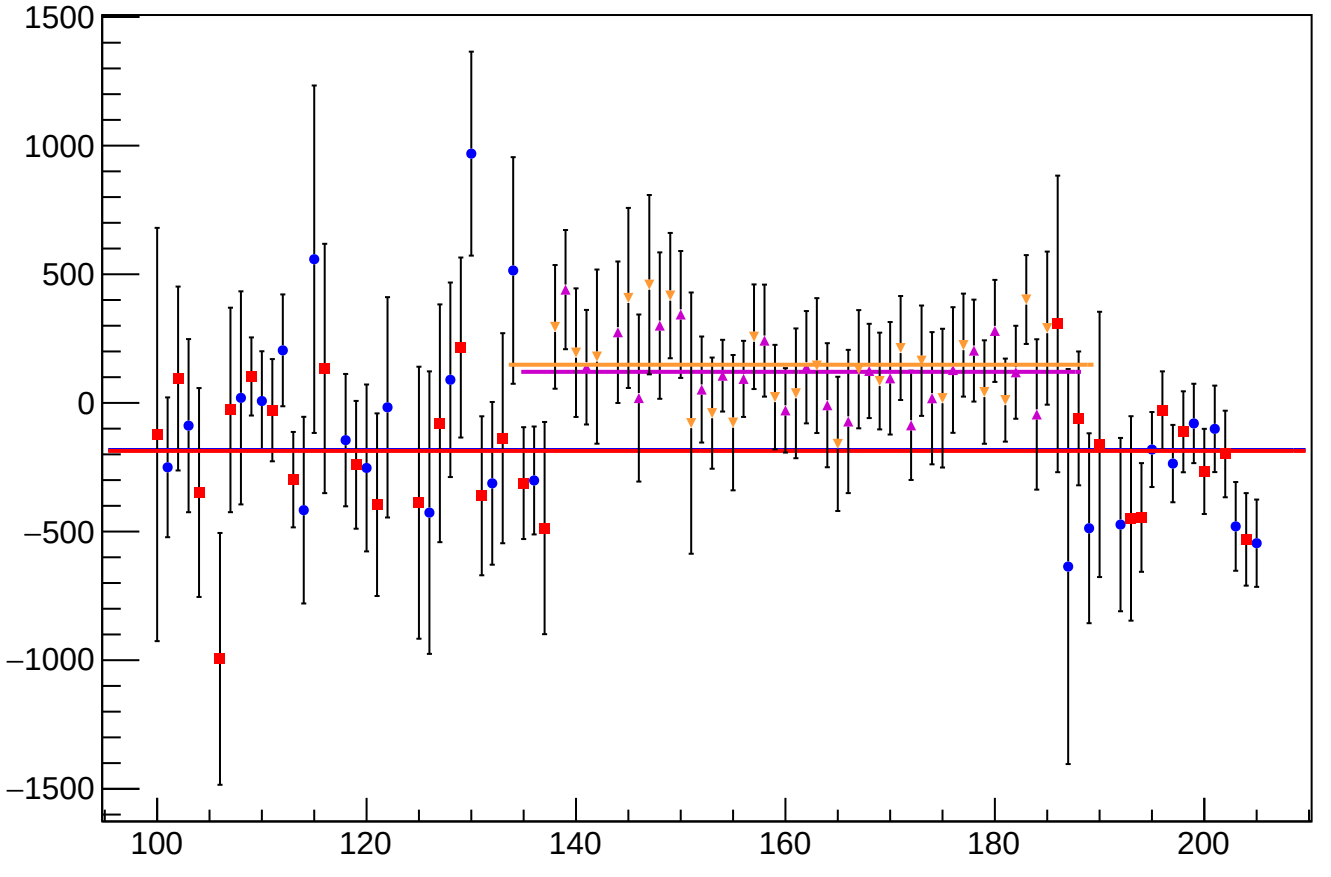
Left: 22.674+/-0.003 χ^2/NDF: 27836.8/46

Right: 22.334+/-0.003 χ^2/NDF: 69968.9/52

In: 22.461+/-0.003 χ^2/NDF:54557.5/47

Out: 22.580+/-0.003 χ^2/NDF:49768.0/51

All: 22.521+/-0.002 χ^2/NDF: 105257.5/99



Right In: -183.062+/-48.478 χ^2/NDF: 28.6/24

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: -186.538+/-47.208 χ^2/NDF: 19.9/27

Left In: 120.760+/-43.920 χ^2/NDF:7.9/22

Left: 133.593+/-32.157 χ^2/NDF: 19.0/46

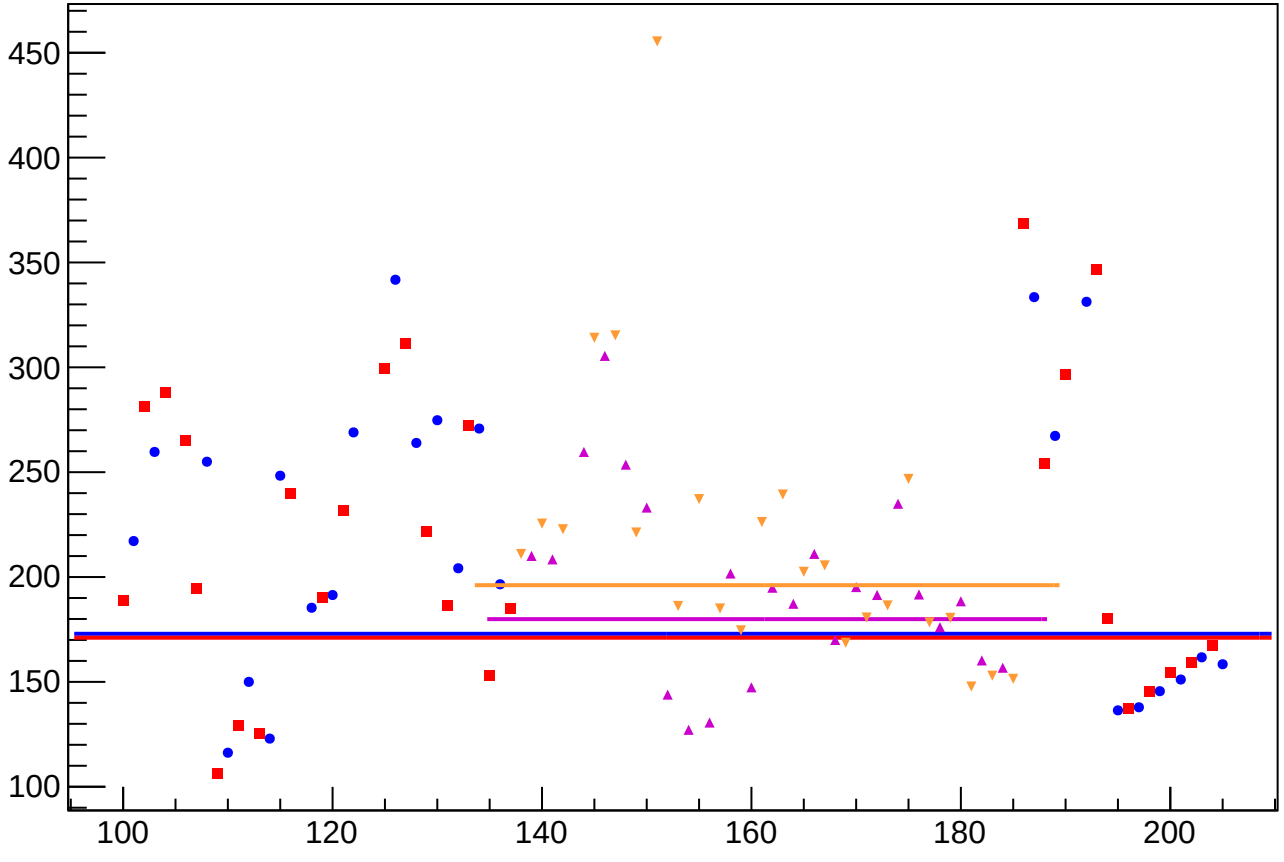
Right: -184.846+/-33.821 χ^2/NDF: 48.6/52

In: -16.199+/-32.549 χ^2/NDF:58.1/47

Out: -19.076+/-33.383 χ^2/NDF:56.0/51

All: -17.602+/-23.305 χ^2/NDF: 114.1/99

asym_bcm_dg_ds_an_ds_avg_rms vs Slug, Sign Corrected



Right In: 172.939+/-0.034 χ^2/NDF: 2227671.3/24

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 171.064+/-0.033 χ^2/NDF: 2746332.8/27

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

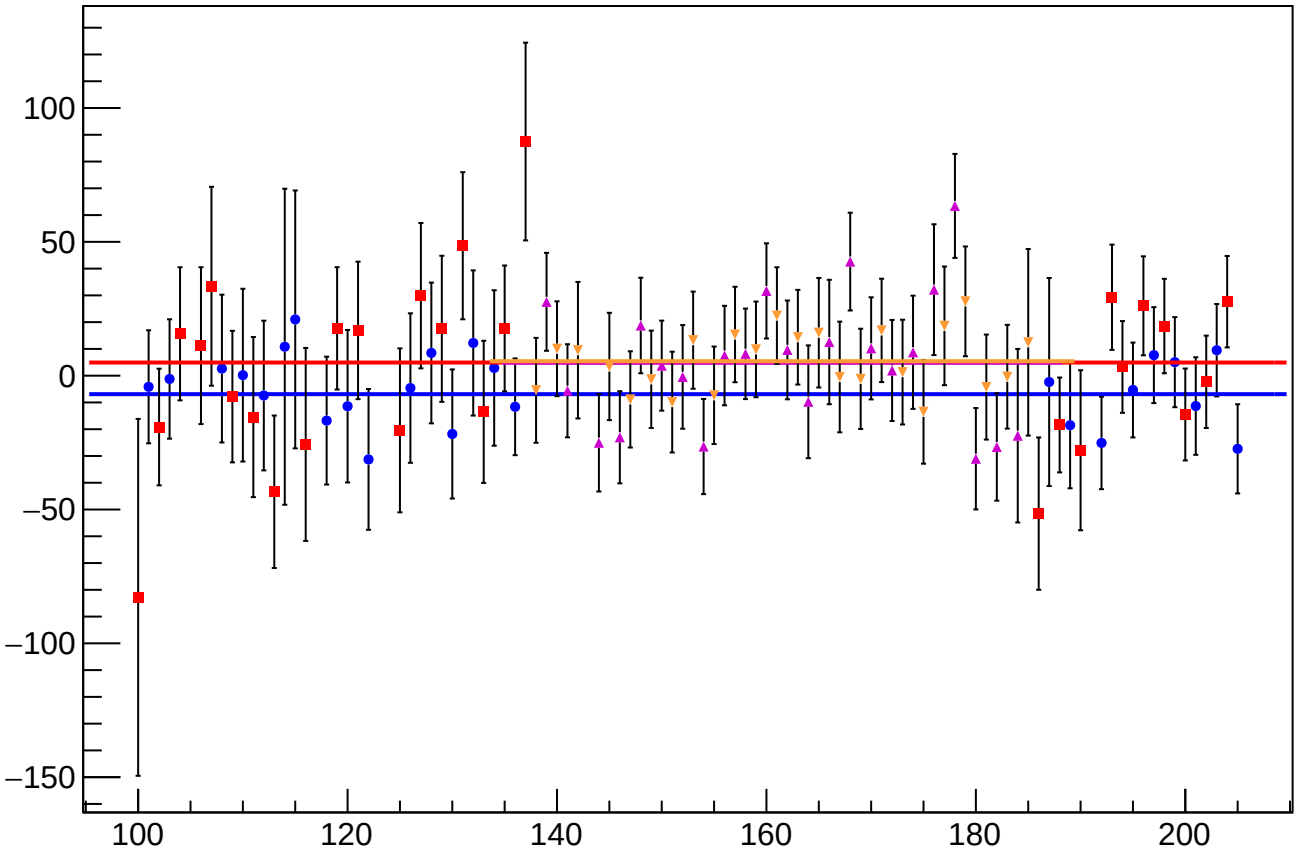
Left: 187.434+/-0.023 χ^2/NDF: 3476487.5/46

Right: 171.976+/-0.024 χ^2/NDF: 4975539.6/52

In: 176.775+/-0.023 χ^2/NDF:3874617.5/47

Out: 183.587+/-0.024 χ^2/NDF:4754122.2/51

All: 180.095+/-0.016 χ^2/NDF: 8671429.6/99



Right In: -6.904+/-4.535 χ^2/NDF: 8.1/24

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: 4.912+/-4.431 χ^2/NDF: 32.2/27

Left In: 4.858+/-3.980 χ^2/NDF:35.5/22

Left: 5.133+/-2.812 χ^2/NDF: 43.3/46

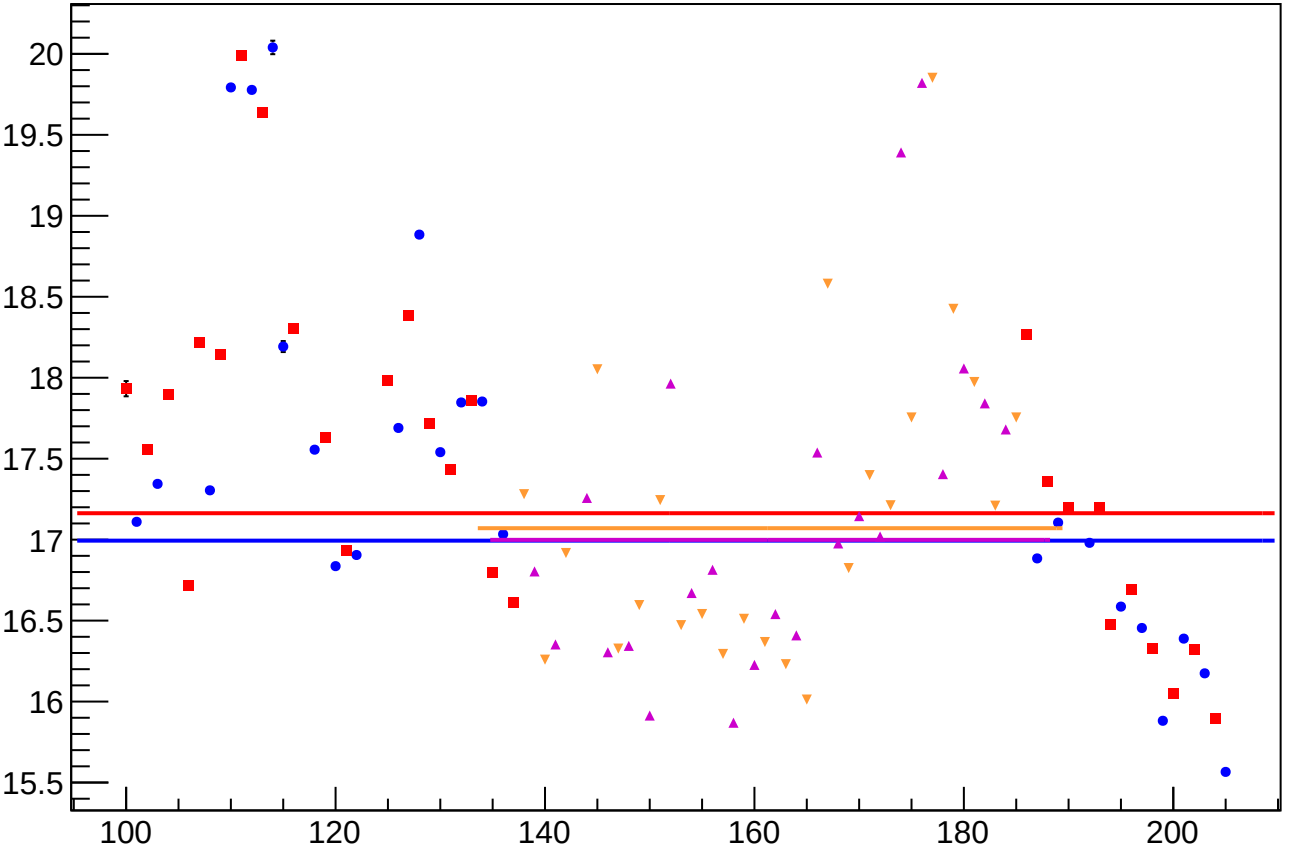
Right: -0.859+/-3.169 χ^2/NDF: 43.8/52

In: -0.260+/-2.992 χ^2/NDF:47.5/47

Out: 5.186+/-2.958 χ^2/NDF:40.0/51

All: 2.494+/-2.103 χ^2/NDF: 89.1/99

asym_bcm_dg_ds_an_ds_dd_rms vs Slug, Sign Corrected



Right In: 16.994+/-0.003 χ^2/NDF: 92845.0/24

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.163+/-0.003 χ^2/NDF: 89123.7/27

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

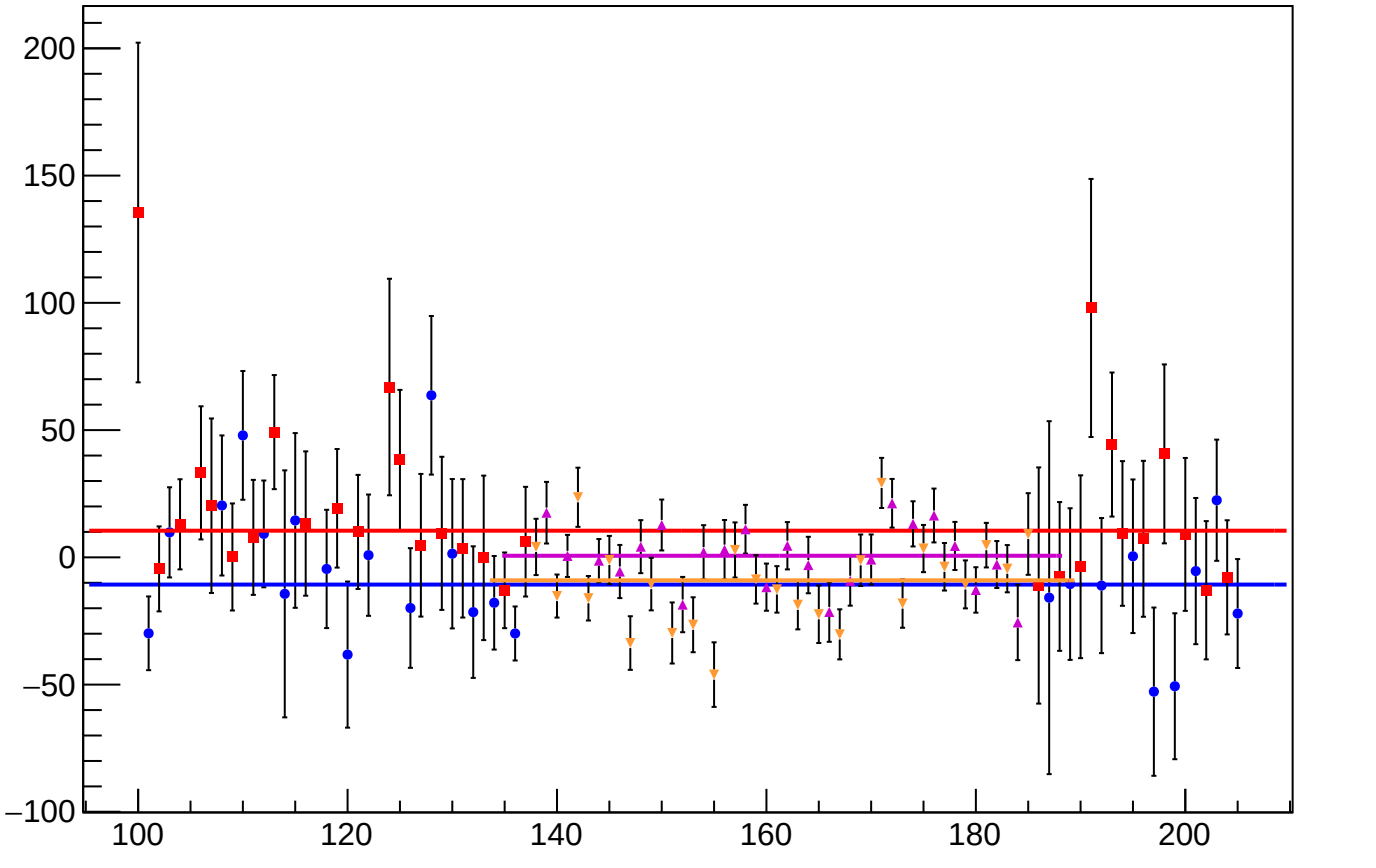
Left: 17.035+/-0.002 χ^2/NDF: 200661.3/46

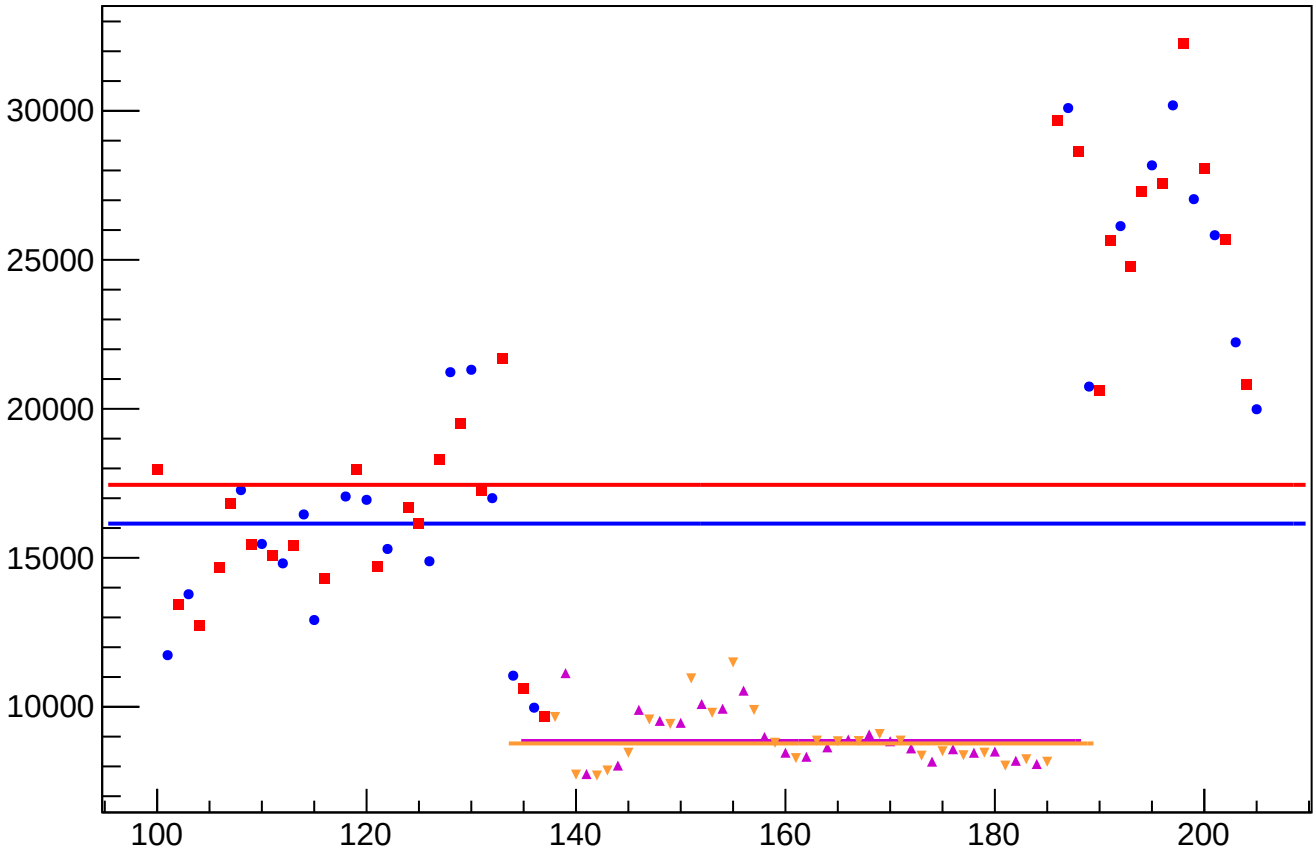
Right: 17.080+/-0.002 χ^2/NDF: 183396.1/52

In: 16.997+/-0.002 χ^2/NDF:196867.4/47

Out: 17.112+/-0.002 χ^2/NDF:185919.5/51

All: 17.055+/-0.001 χ^2/NDF: 384290.0/99


diff_bpm_4aX_4acX_avg_mean vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -10.694+/-4.579 χ²/NDF: 28.0/24
Left Out: -9.027+/-2.006 χ²/NDF:62.0/24
Right Out: 10.472+/-4.691 χ²/NDF: 21.4/29
Left In: 0.628+/-2.079 χ²/NDF:29.5/22
Left: -4.372+/-1.444 χ²/NDF: 102.7/47
Right: -0.365+/-3.277 χ²/NDF: 59.8/54
In: -1.307+/-1.893 χ²/NDF:62.6/47
Out: -6.011+/-1.845 χ²/NDF:98.0/54
All: -3.720+/-1.321 χ²/NDF: 163.7/102



Right In: 16148.430+/-3.238 χ^2/NDF: 3014231.7/24

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17449.172+/-3.317 χ^2/NDF: 3049853.6/29

Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

Left: 8810.105+/-1.021 χ^2/NDF: 646671.0/47

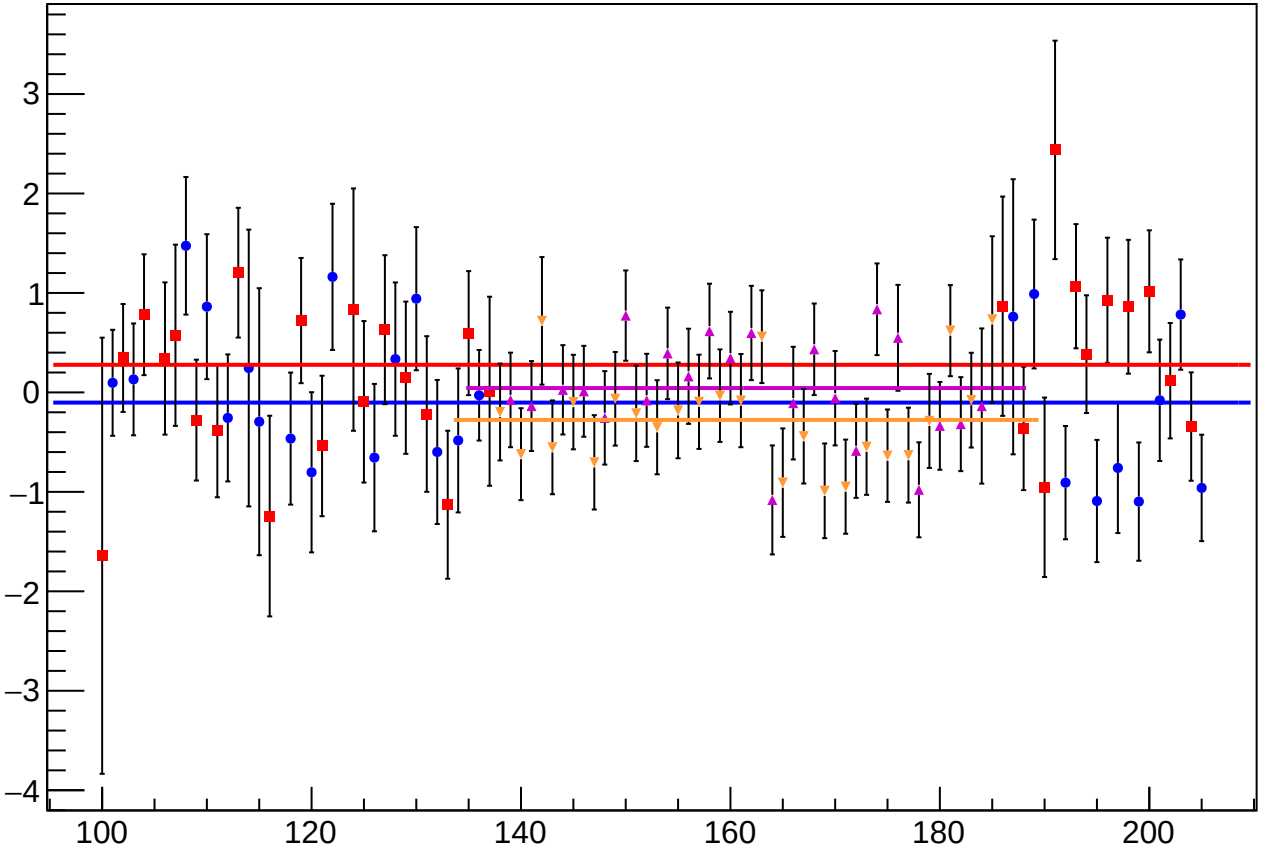
Right: 16783.199+/-2.317 χ^2/NDF: 6142828.8/54

In: 10099.793+/-1.339 χ^2/NDF:7522591.1/47

Out: 10112.709+/-1.304 χ^2/NDF:9182860.4/54

All: 10106.419+/-0.934 χ^2/NDF: 16705499.2

diff_bpm_4aX_4acX_dd_mean vs Slug, Sign Corrected



Right In: -0.102+/-0.133 χ^2/NDF: 31.2/24

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: 0.277+/-0.130 χ^2/NDF: 27.9/29

Left In: 0.044+/-0.100 χ^2/NDF:23.8/22

Left: -0.121+/-0.070 χ^2/NDF: 50.1/47

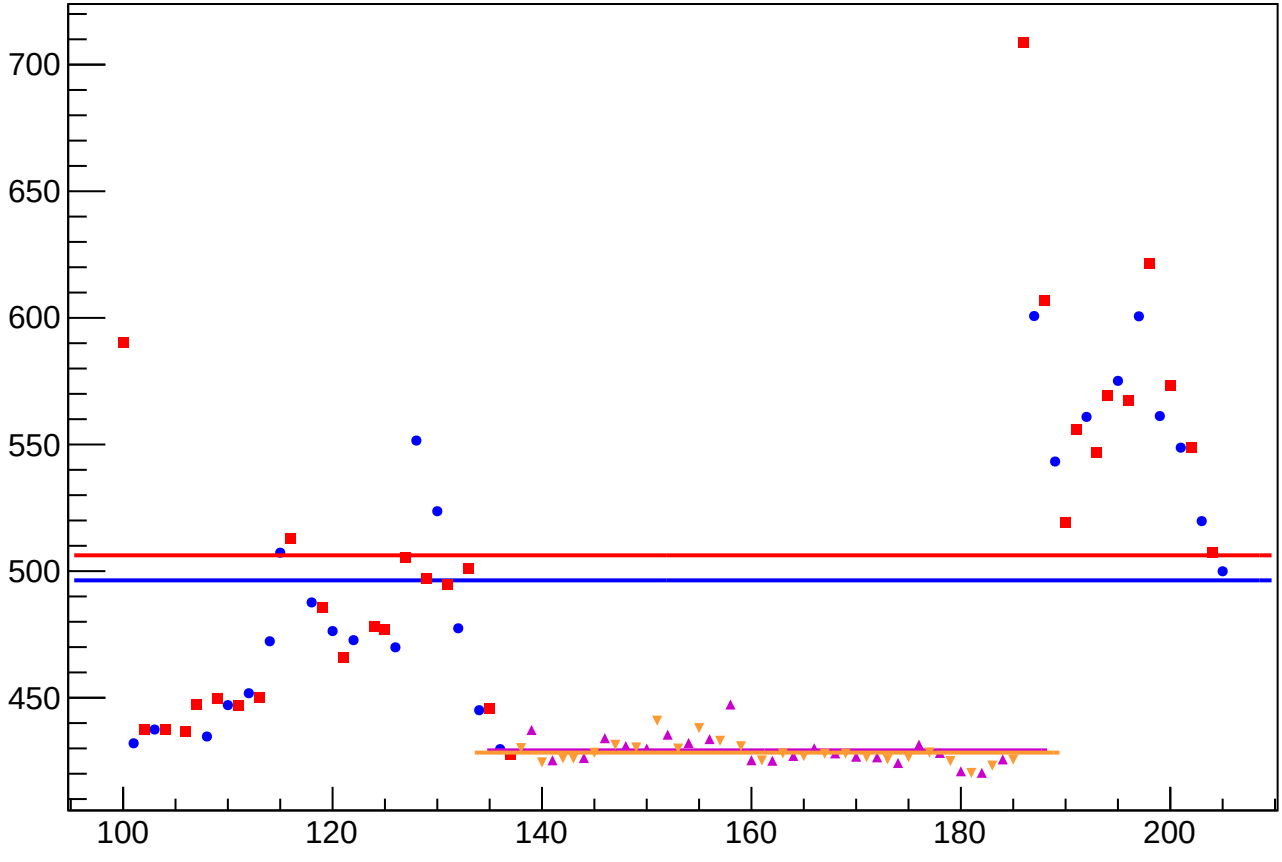
Right: 0.092+/-0.093 χ^2/NDF: 63.3/54

In: -0.009+/-0.080 χ^2/NDF:55.8/47

Out: -0.077+/-0.078 χ^2/NDF:60.6/54

All: -0.044+/-0.056 χ^2/NDF: 116.8/102

diff_bpm_4aX_4acX_dd_rms vs Slug, Sign Corrected



Right In: 496.355+/-0.094 χ^2/NDF: 330936.4/24

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.247+/-0.092 χ^2/NDF: 447024.9/29

Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

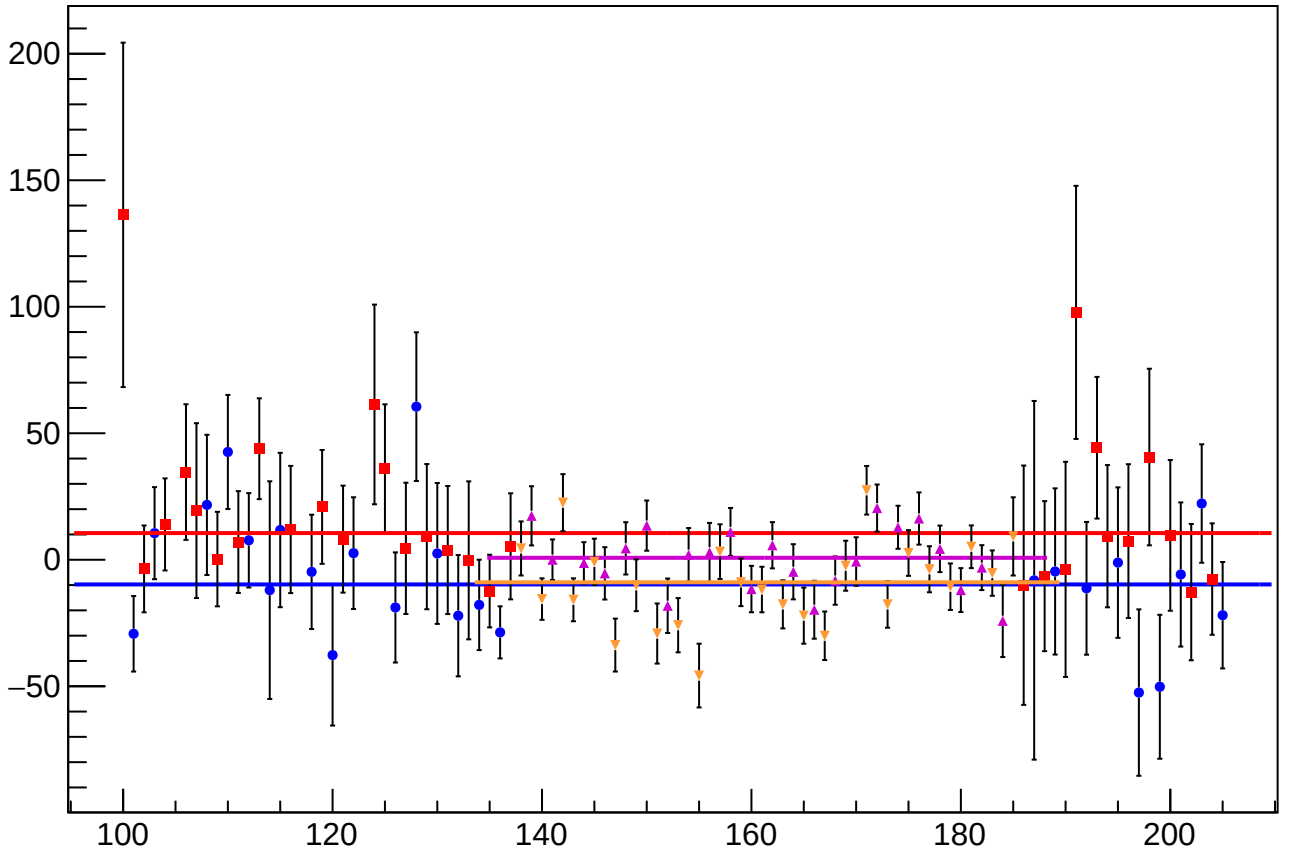
Left: 428.772+/-0.049 χ^2/NDF: 10846.7/47

Right: 501.425+/-0.066 χ^2/NDF: 783633.5/54

In: 453.550+/-0.057 χ^2/NDF:662714.7/47

Out: 456.407+/-0.055 χ^2/NDF:912852.0/54

All: 455.018+/-0.039 χ^2/NDF: 1576875.9/102



Right In: -9.753+/-4.445 χ^2/NDF: 28.4/24

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: 10.548+/-4.534 χ^2/NDF: 21.2/29

Left In: 0.773+/-2.034 χ^2/NDF:29.3/22

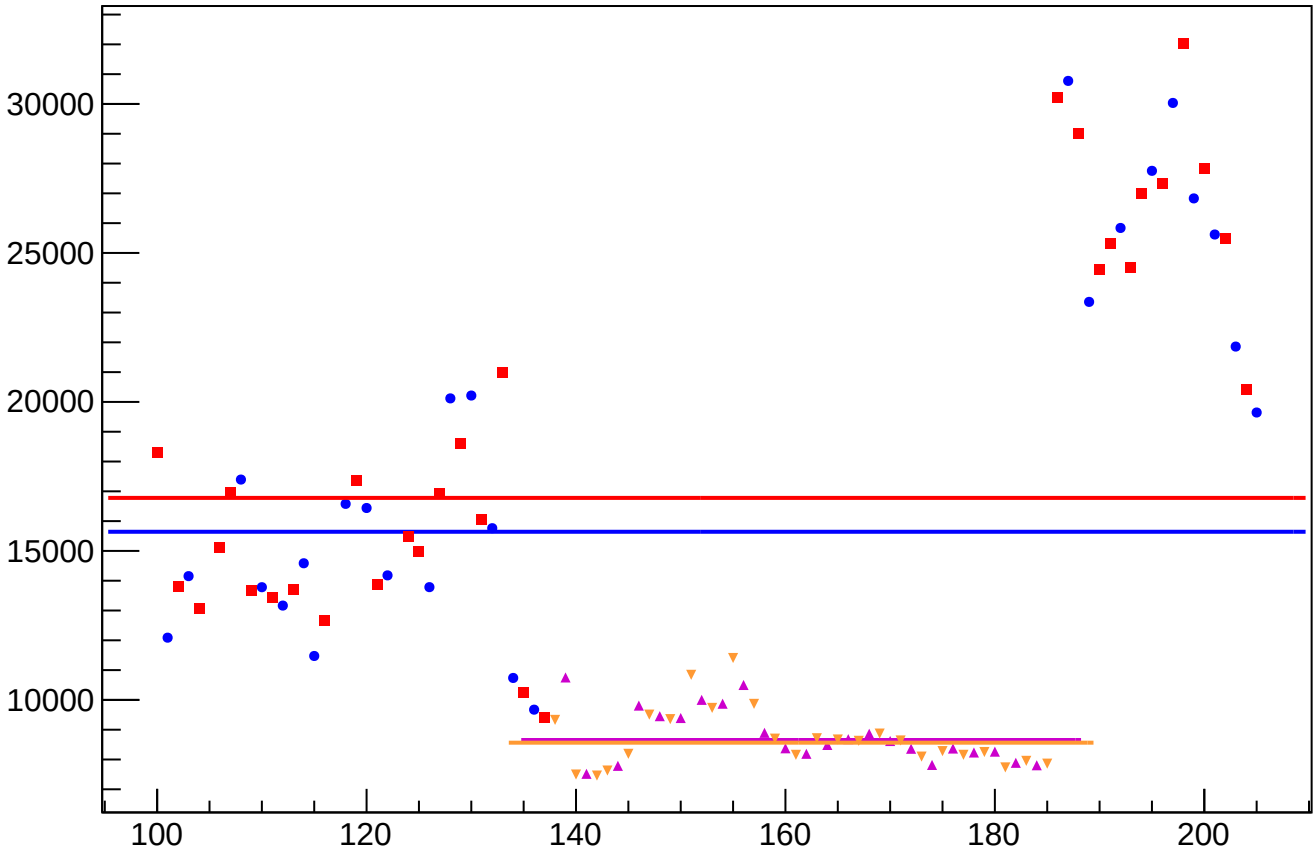
Left: -4.243+/-1.412 χ^2/NDF: 102.6/47

Right: 0.196+/-3.174 χ^2/NDF: 59.8/54

In: -1.050+/-1.849 χ^2/NDF:62.3/47

Out: -5.839+/-1.800 χ^2/NDF:98.2/54

All: -3.510+/-1.290 χ^2/NDF: 164.0/102



Right In: 15642.736+/-3.143 χ^2/NDF: 3160186.9/24

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16779.334+/-3.206 χ^2/NDF: 3324058.8/29

Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

Left: 8607.718+/-0.998 χ^2/NDF: 748275.4/47

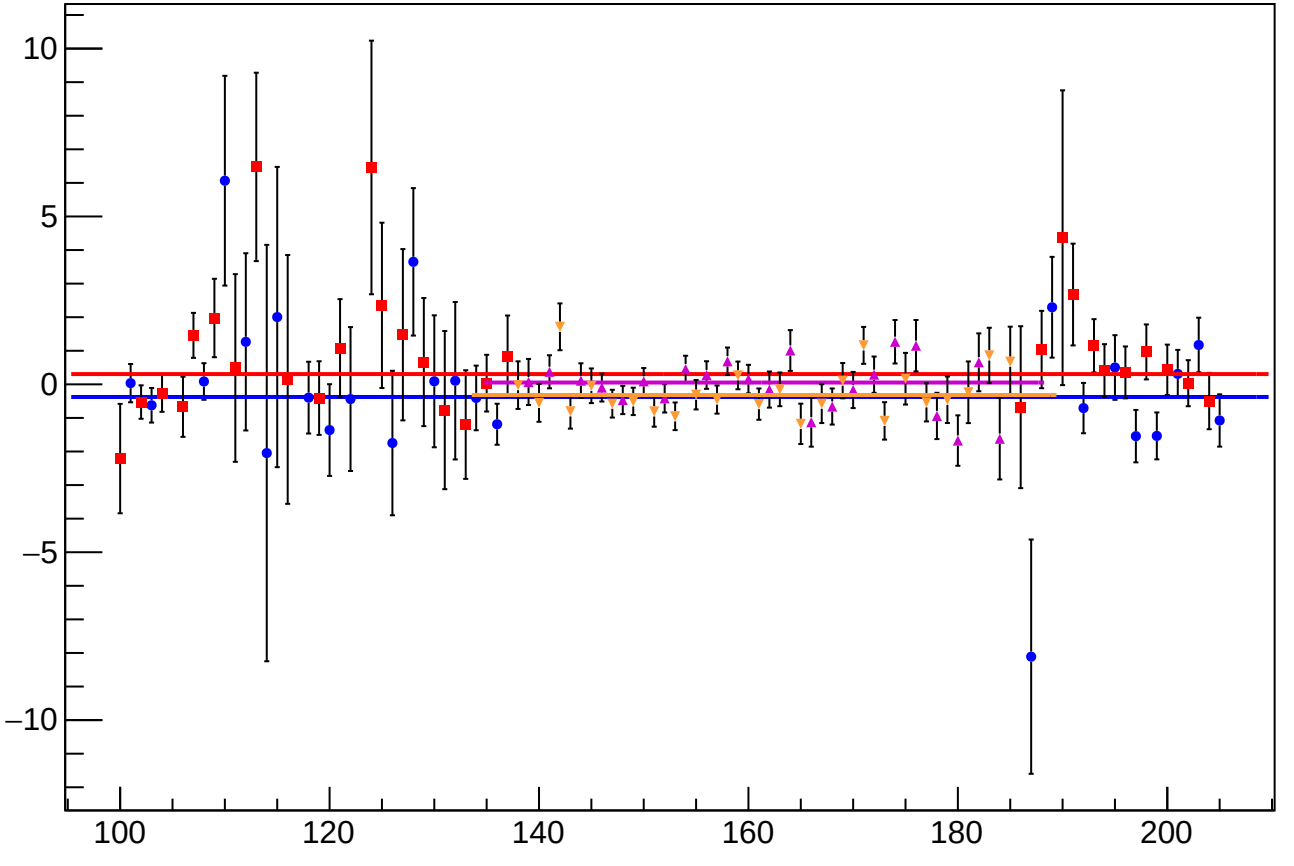
Right: 16199.769+/-2.244 χ^2/NDF: 6548342.4/54

In: 9864.325+/-1.308 χ^2/NDF:7594025.4/47

Out: 9858.956+/-1.273 χ^2/NDF:9256426.1/54

All: 9861.567+/-0.912 χ^2/NDF: 16850460.1/1

diff_bpm_4aX_4eX_dd_mean vs Slug, Sign Corrected



Right In: -0.376+/-0.186 χ^2/NDF: 32.1/24

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: 0.306+/-0.183 χ^2/NDF: 29.7/29

Left In: 0.054+/-0.108 χ^2/NDF:29.8/22

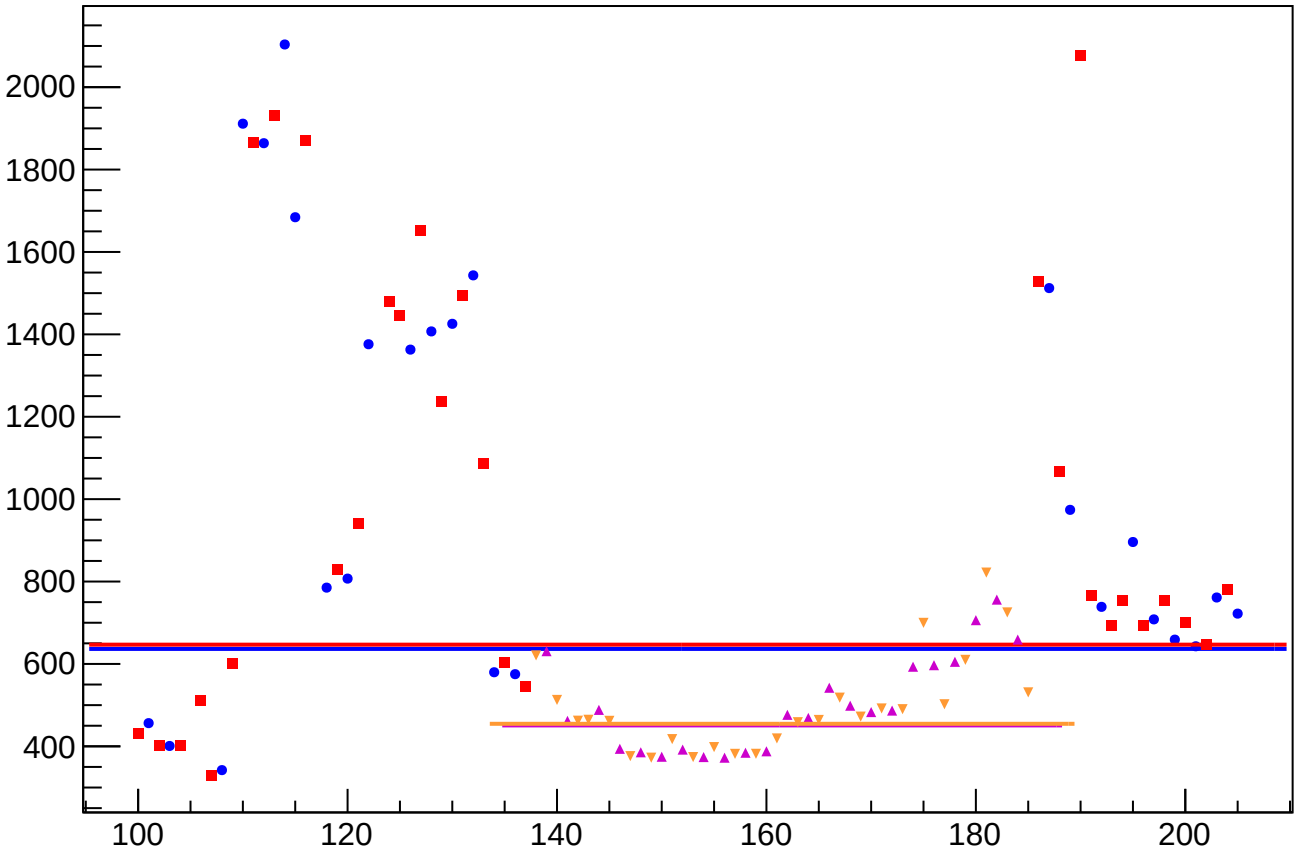
Left: -0.136+/-0.076 χ^2/NDF: 68.1/47

Right: -0.030+/-0.130 χ^2/NDF: 68.6/54

In: -0.055+/-0.093 χ^2/NDF:65.9/47

Out: -0.161+/-0.092 χ^2/NDF:70.6/54

All: -0.109+/-0.065 χ^2/NDF: 137.2/102



Right In: 636.453+/-0.131 χ^2/NDF: 4119495.9/24

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 646.794+/-0.129 χ^2/NDF: 4698200.7/29

Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

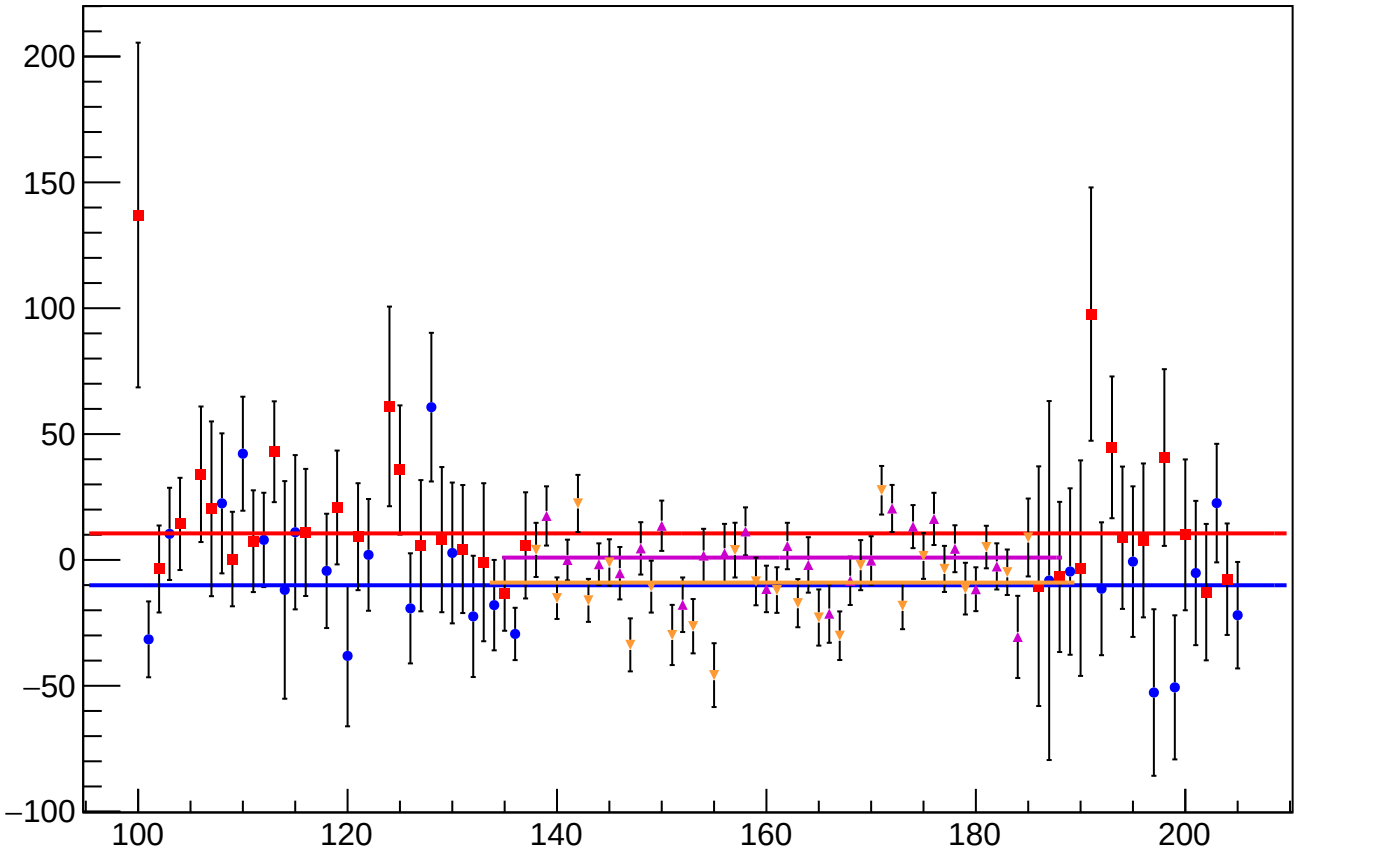
Left: 452.772+/-0.054 χ^2/NDF: 2924208.1/47

Right: 641.702+/-0.092 χ^2/NDF: 8820842.4/54

In: 497.756+/-0.066 χ^2/NDF:7083276.9/47

Out: 502.948+/-0.065 χ^2/NDF:7800164.9/54

All: 500.401+/-0.046 χ^2/NDF: 14886586.8/10



Right In: -10.065+/-4.474 χ^2/NDF: 28.8/24

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: 10.543+/-4.564 χ^2/NDF: 21.0/29

Left In: 0.925+/-2.056 χ^2/NDF:29.9/22

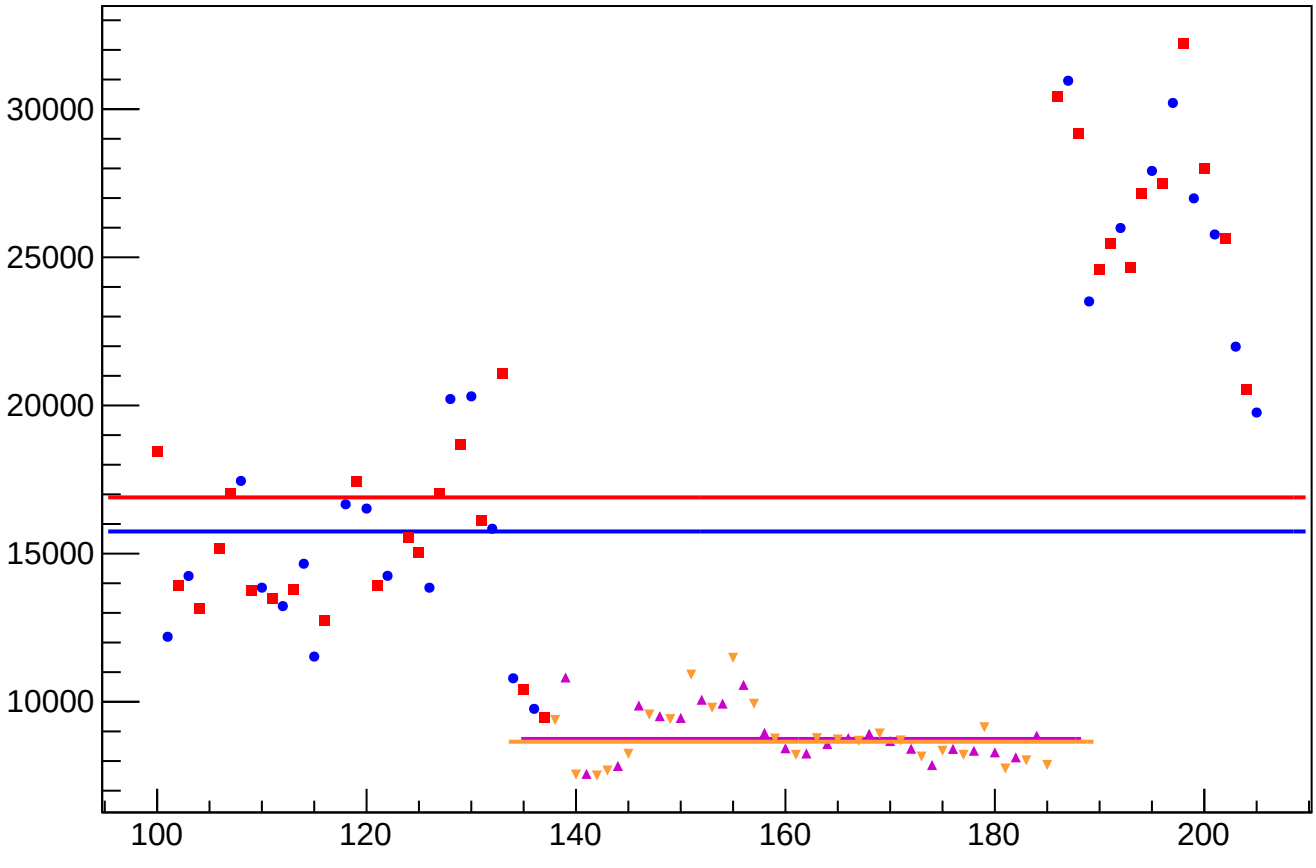
Left: -4.219+/-1.427 χ^2/NDF: 103.2/47

Right: 0.033+/-3.195 χ^2/NDF: 60.2/54

In: -0.991+/-1.868 χ^2/NDF:63.7/47

Out: -5.900+/-1.818 χ^2/NDF:97.7/54

All: -3.512+/-1.303 χ^2/NDF: 164.9/102



Right In: 15747.727+/-3.163 χ^2/NDF: 3145976.5/24

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 16897.397+/-3.227 χ^2/NDF: 3302645.2/29

Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

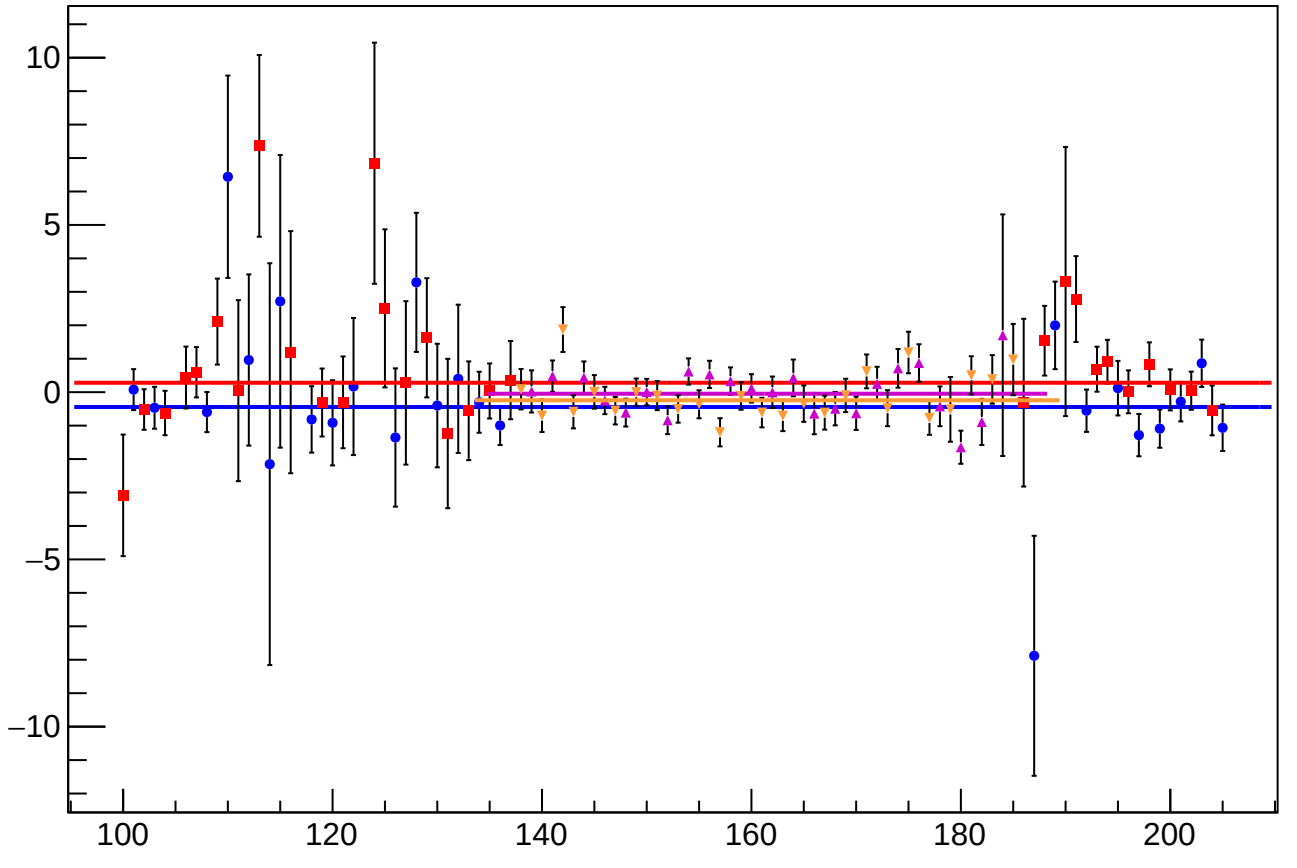
Left: 8697.266+/-1.009 χ^2/NDF: 738764.8/47

Right: 16311.060+/-2.259 χ^2/NDF: 6513345.9/54

In: 9966.741+/-1.321 χ^2/NDF:7522239.0/47

Out: 9959.927+/-1.285 χ^2/NDF:9200511.9/54

All: 9963.241+/-0.921 χ^2/NDF: 16722764.6/1



Right In: -0.444+/-0.176 χ^2/NDF: 27.3/24

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: 0.282+/-0.174 χ^2/NDF: 31.9/29

Left In: -0.047+/-0.102 χ^2/NDF:35.1/22

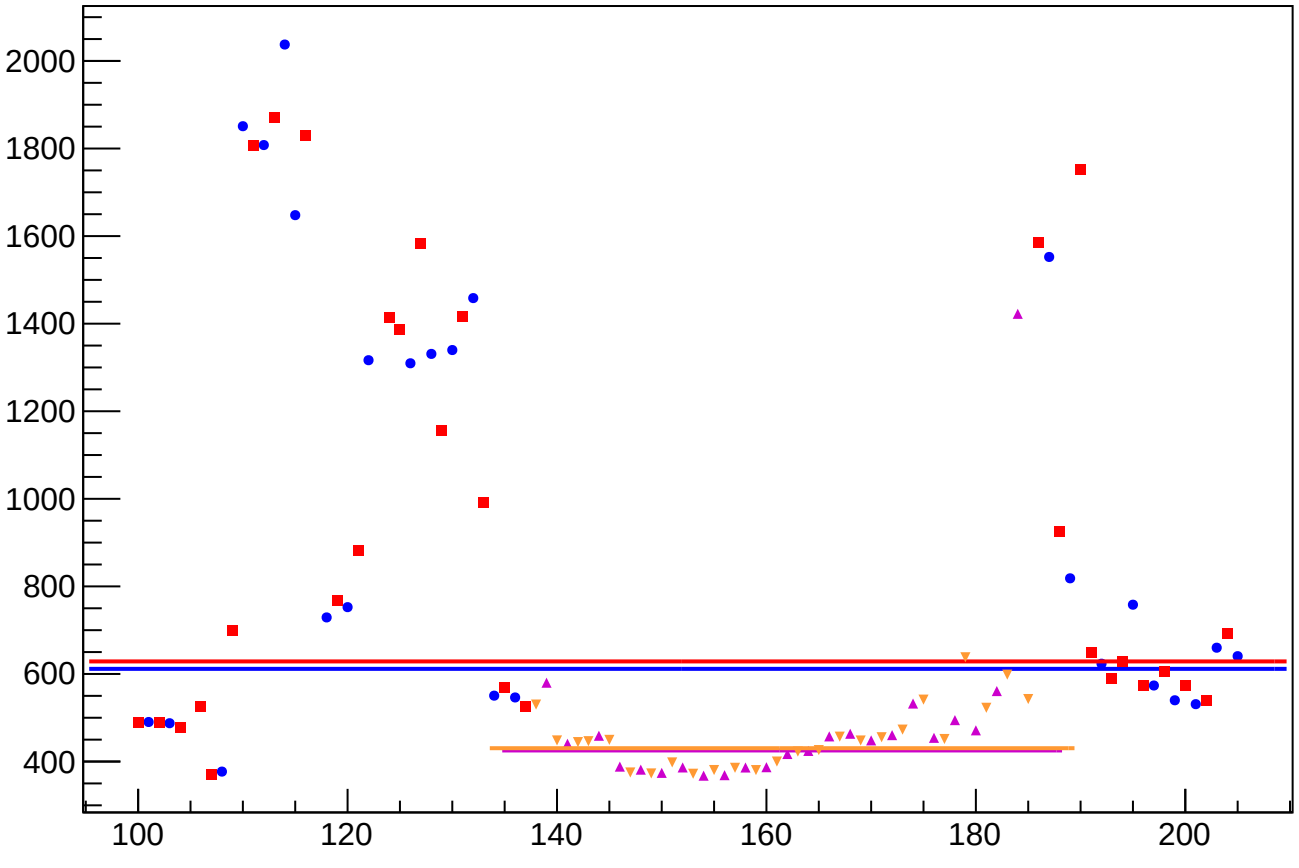
Left: -0.146+/-0.071 χ^2/NDF: 71.2/47

Right: -0.079+/-0.124 χ^2/NDF: 67.8/54

In: -0.146+/-0.088 χ^2/NDF:66.2/47

Out: -0.112+/-0.087 χ^2/NDF:73.0/54

All: -0.129+/-0.062 χ^2/NDF: 139.3/102



Right In: 611.663+/-0.124 χ^2/NDF: 3194490.3/24

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 628.649+/-0.123 χ^2/NDF: 3503814.8/29

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

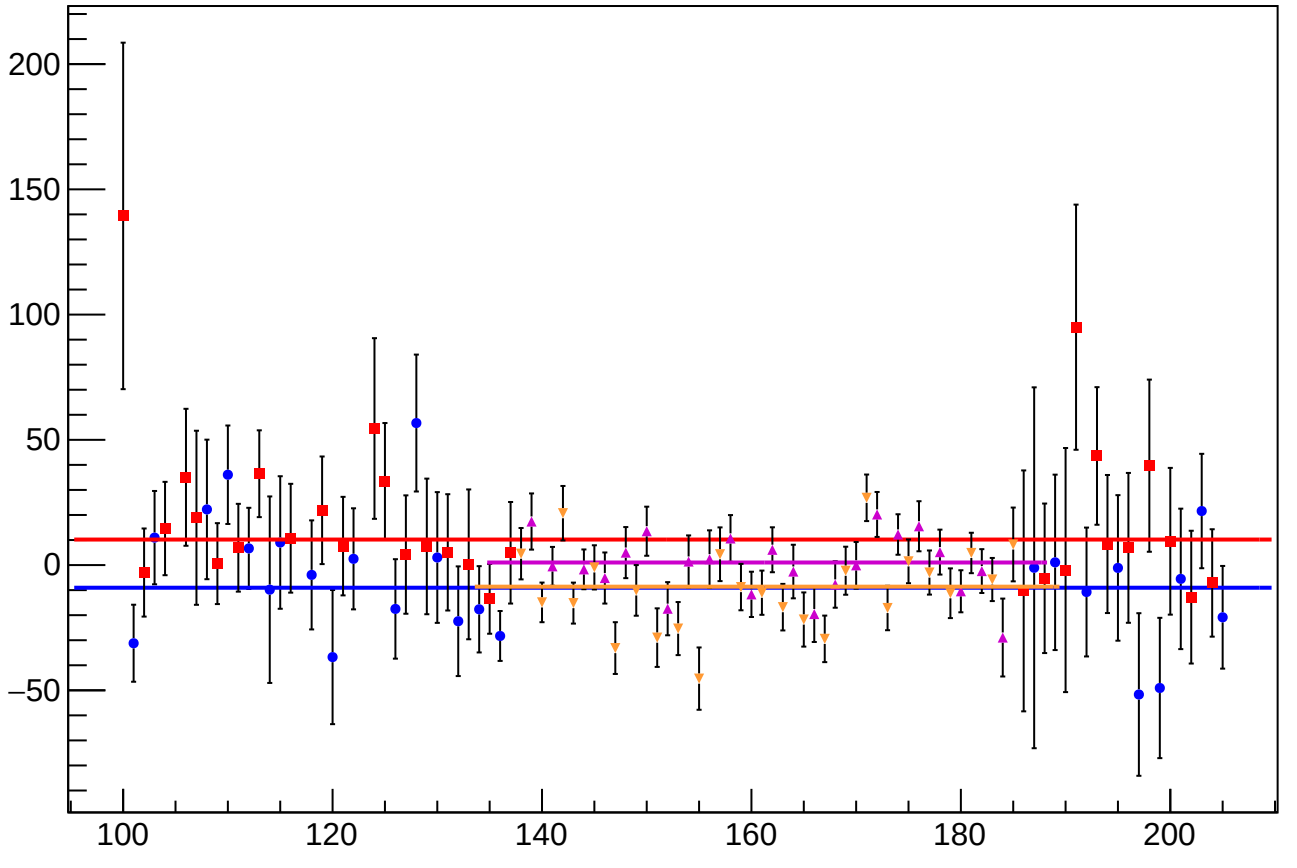
Left: 427.910+/-0.050 χ^2/NDF: 1367648.1/47

Right: 620.209+/-0.087 χ^2/NDF: 6707729.6/54

In: 472.074+/-0.062 χ^2/NDF:5600351.2/47

Out: 479.625+/-0.061 χ^2/NDF:6093693.0/54

All: 475.894+/-0.044 χ^2/NDF: 11701505.9/10



Right In: -9.041+/-4.253 χ^2/NDF: 29.2/24

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: 10.192+/-4.309 χ^2/NDF: 20.8/29

Left In: 1.027+/-1.987 χ^2/NDF:29.8/22

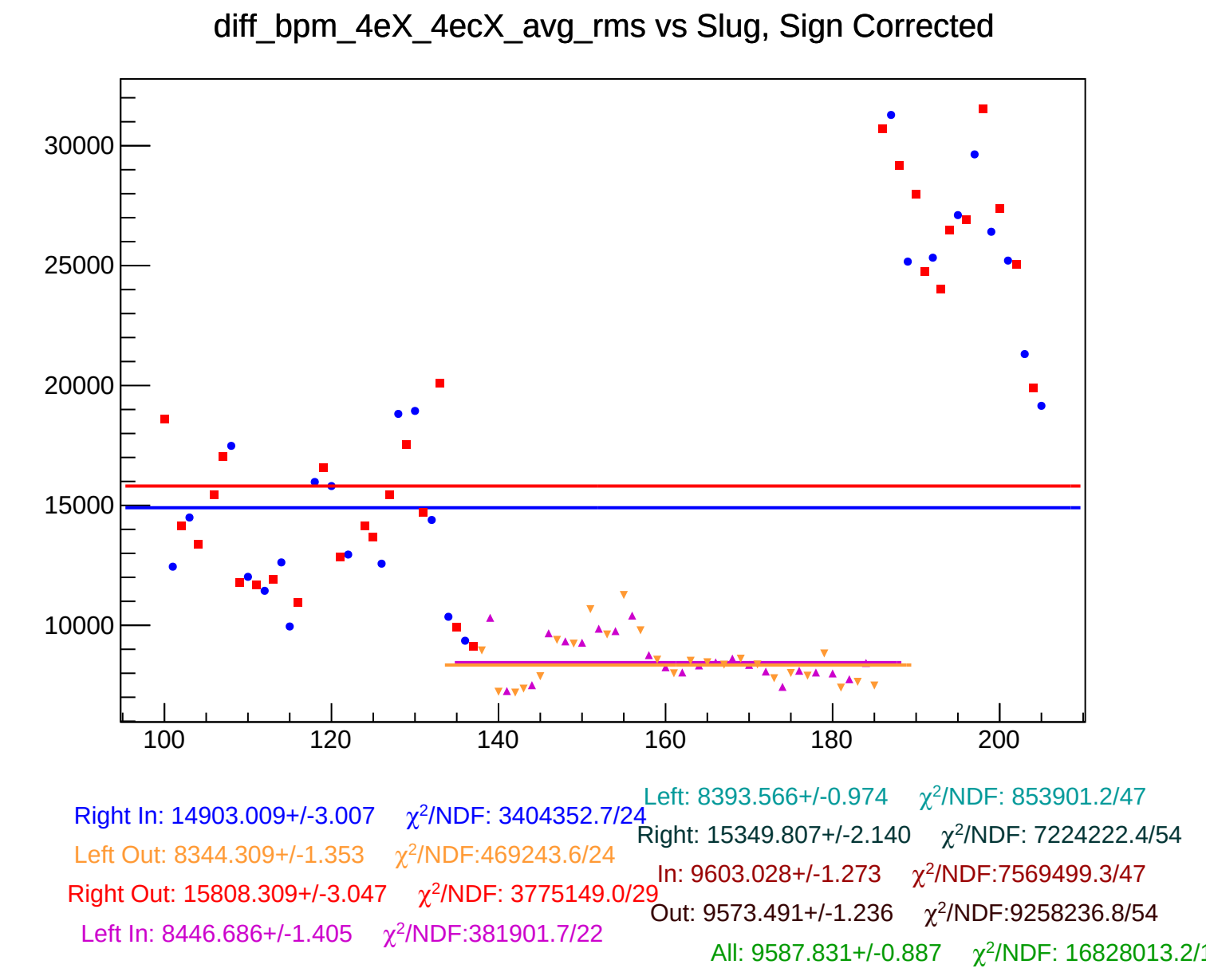
Left: -3.980+/-1.378 χ^2/NDF: 103.6/47

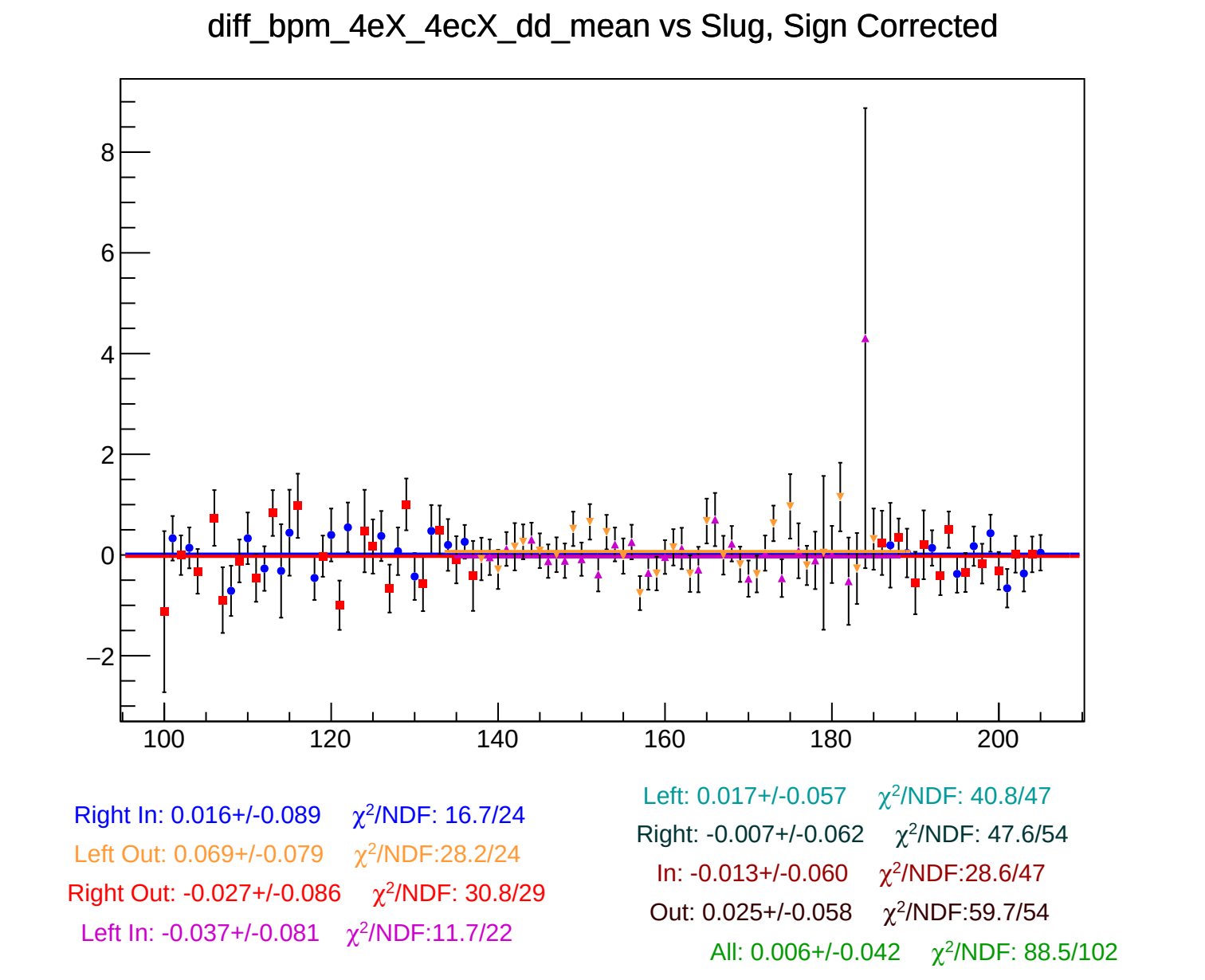
Right: 0.451+/-3.027 χ^2/NDF: 60.2/54

In: -0.776+/-1.800 χ^2/NDF:63.6/47

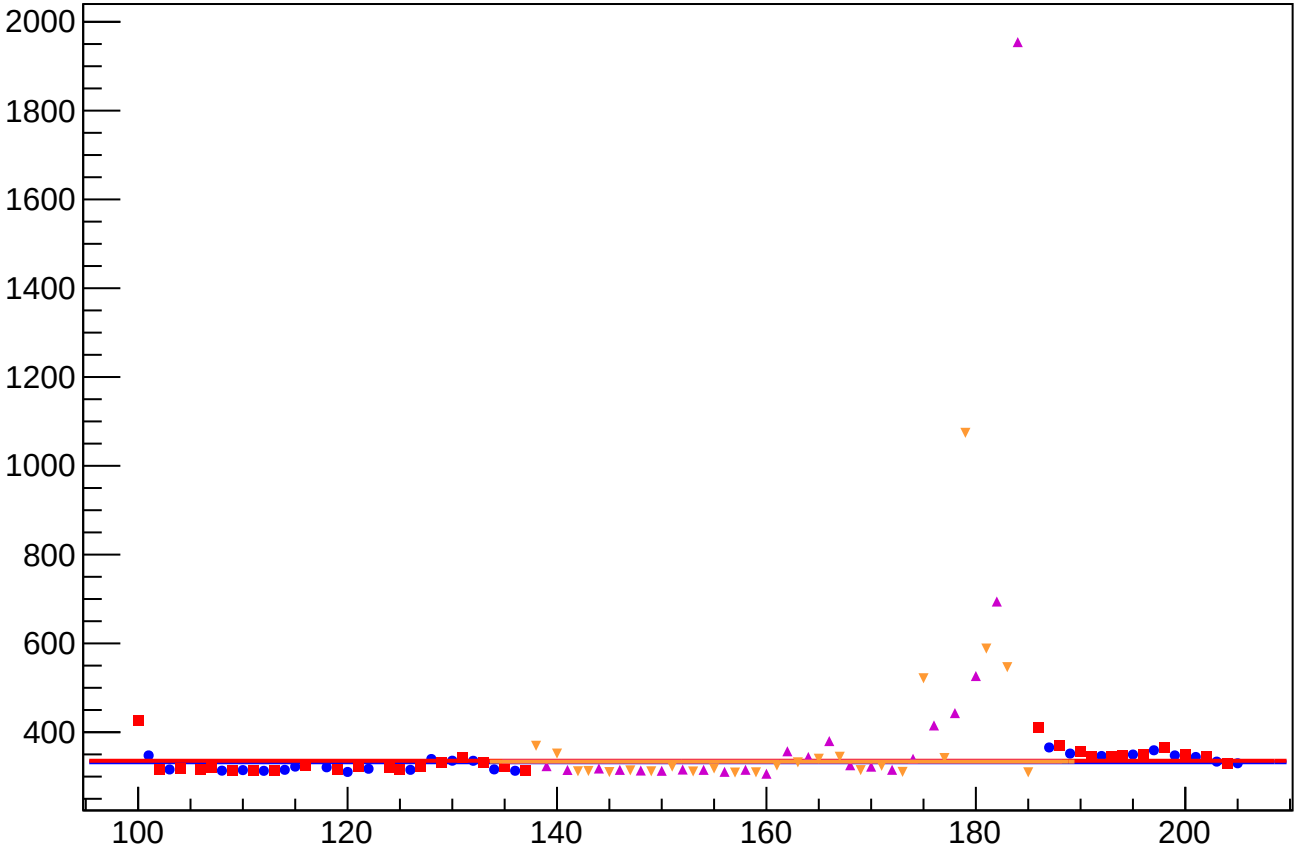
Out: -5.524+/-1.748 χ^2/NDF:98.4/54

All: -3.219+/-1.254 χ^2/NDF: 165.6/102


diff_bpm_4eX_4ecX_avg_rms vs Slug, Sign Corrected
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 14903.009+/-3.007 χ²/NDF: 3404352.7/24
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 15808.309+/-3.047 χ²/NDF: 3775149.0/29
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
Left: 8393.566+/-0.974 χ²/NDF: 853901.2/47
Right: 15349.807+/-2.140 χ²/NDF: 7224222.4/54
In: 9603.028+/-1.273 χ²/NDF:7569499.3/47
Out: 9573.491+/-1.236 χ²/NDF:9258236.8/54
All: 9587.831+/-0.887 χ²/NDF: 16828013.2/


diff_bpm_4eX_4ecX_dd_mean vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.016+/-0.089 χ²/NDF: 16.7/24
Left Out: 0.069+/-0.079 χ²/NDF:28.2/24
Right Out: -0.027+/-0.086 χ²/NDF: 30.8/29
Left In: -0.037+/-0.081 χ²/NDF:11.7/22
Left: 0.017+/-0.057 χ²/NDF: 40.8/47
Right: -0.007+/-0.062 χ²/NDF: 47.6/54
In: -0.013+/-0.060 χ²/NDF:28.6/47
Out: 0.025+/-0.058 χ²/NDF:59.7/54
All: 0.006+/-0.042 χ²/NDF: 88.5/102

diff_bpm_4eX_4ecX_dd_rms vs Slug, Sign Corrected



Right In: 332.322+/-0.063 χ^2/NDF: 62790.3/24

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.681+/-0.061 χ^2/NDF: 115734.9/29

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

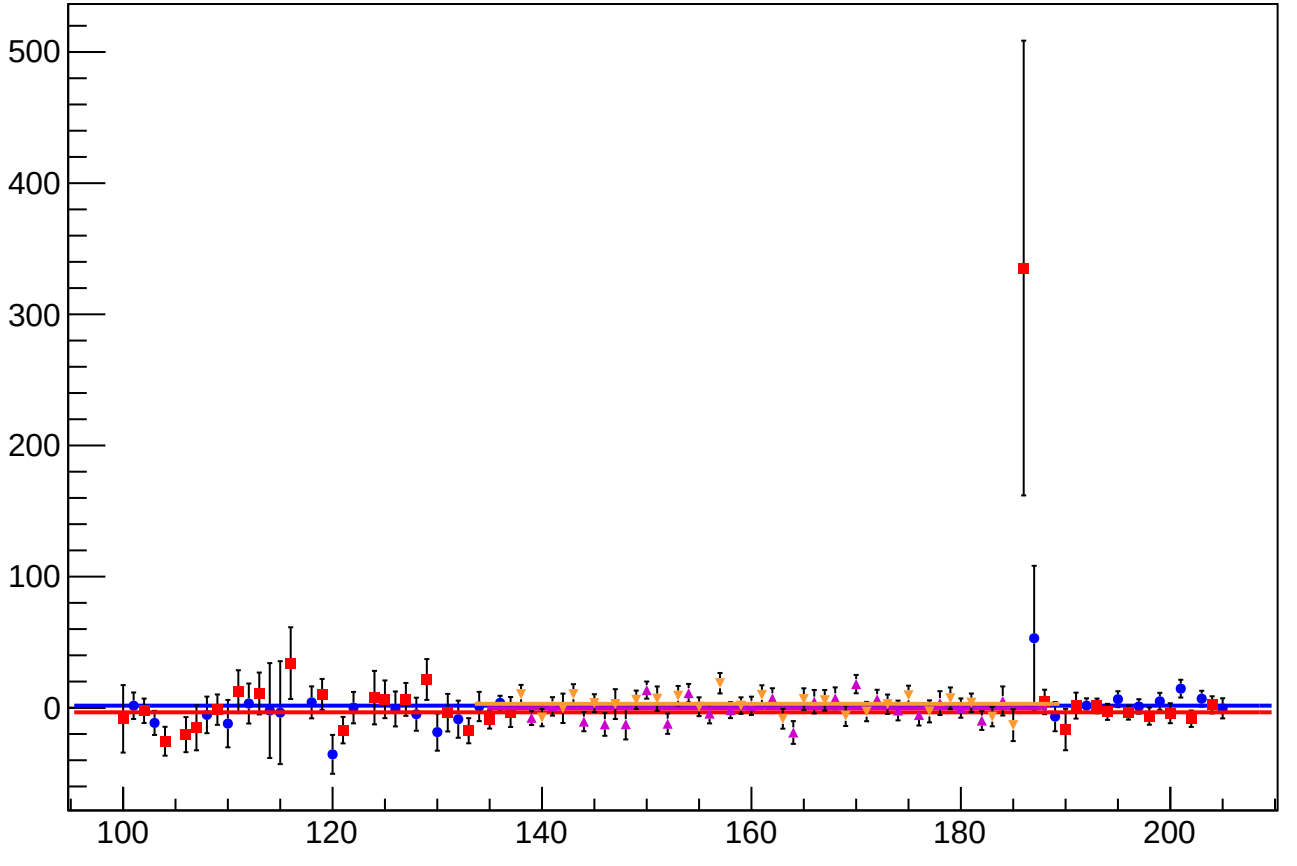
Left: 333.879+/-0.040 χ^2/NDF: 2268247.2/47

Right: 334.062+/-0.044 χ^2/NDF: 180009.1/54

In: 333.227+/-0.042 χ^2/NDF:1114155.3/47

Out: 334.657+/-0.041 χ^2/NDF:1333522.2/54

All: 333.963+/-0.029 χ^2/NDF: 2448265.9/102



Right In: 1.620+/-1.800 χ^2/NDF: 19.1/24

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

Right Out: -3.461+/-1.732 χ^2/NDF: 27.5/29

Left In: -0.351+/-1.568 χ^2/NDF:33.8/22

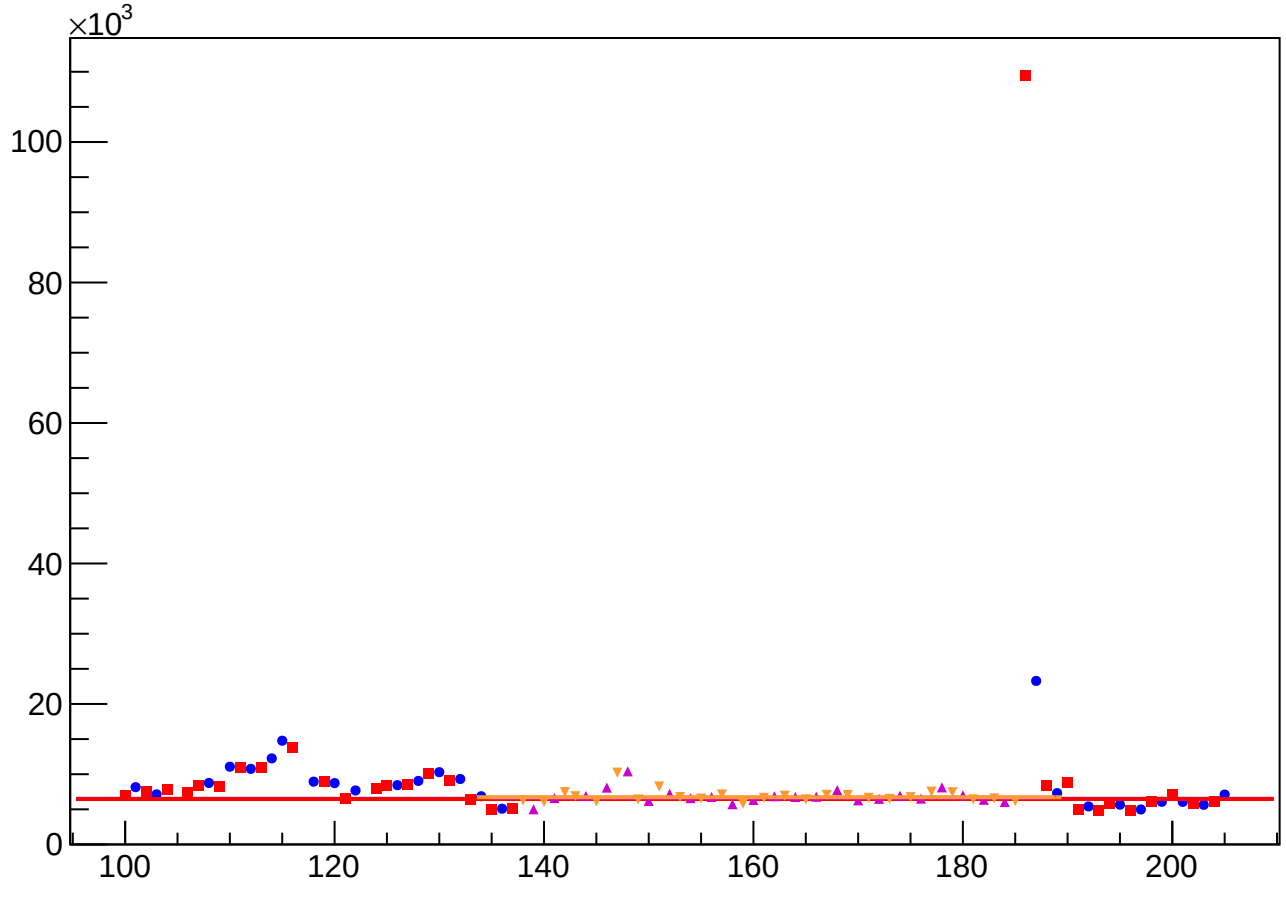
Left: 1.365+/-1.099 χ^2/NDF: 56.5/47

Right: -1.018+/-1.248 χ^2/NDF: 50.8/54

In: 0.500+/-1.182 χ^2/NDF:53.6/47

Out: 0.156+/-1.151 χ^2/NDF:55.7/54

All: 0.323+/-0.825 χ^2/NDF: 109.3/102



Right In: 6493.779+/-1.272 χ^2/NDF: 1700525.5/24

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6466.132+/-1.224 χ^2/NDF: 2370051.3/29

Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

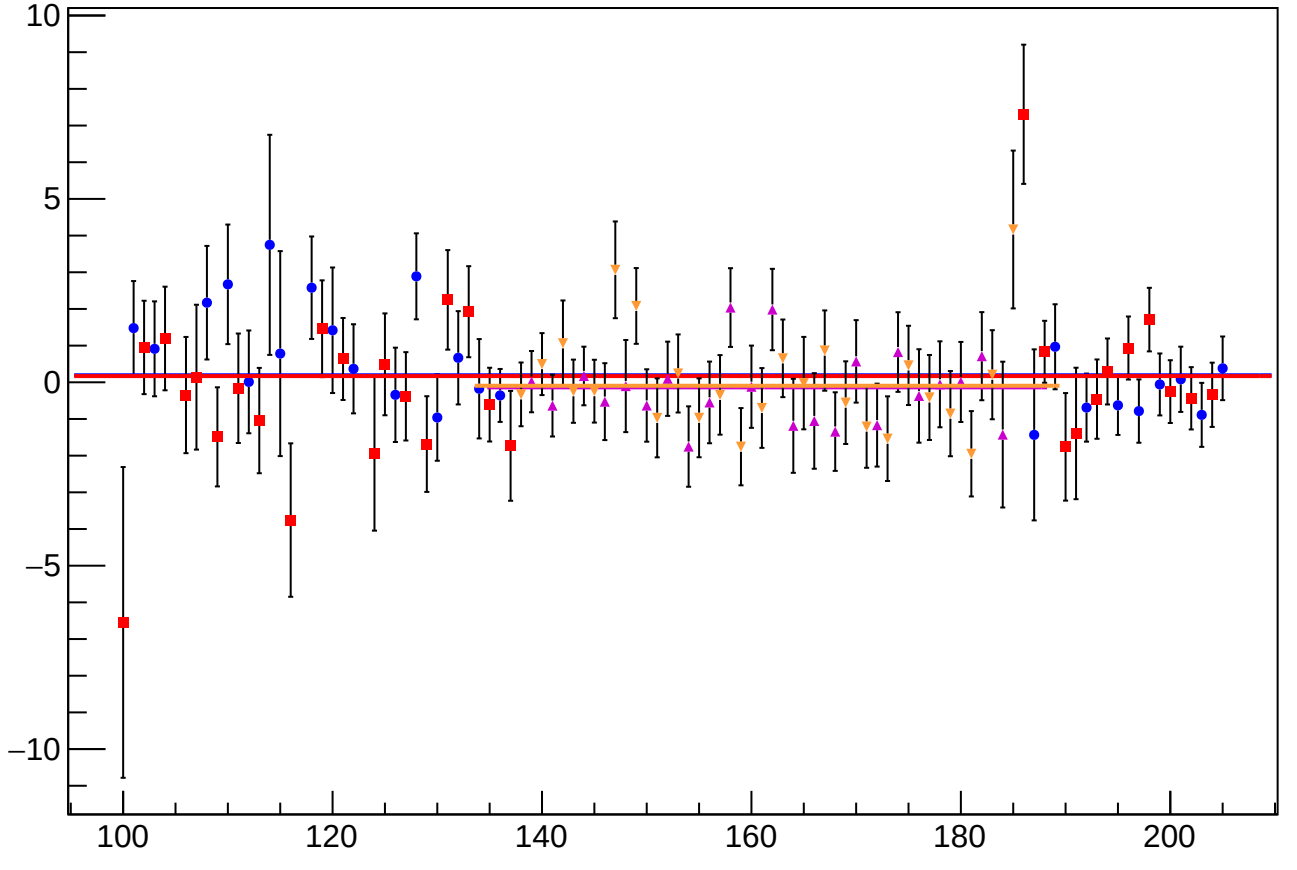
Left: 6678.628+/-0.777 χ^2/NDF: 1036177.6/47

Right: 6479.425+/-0.882 χ^2/NDF: 4070822.0/54

In: 6572.747+/-0.836 χ^2/NDF:2336792.5/47

Out: 6609.421+/-0.814 χ^2/NDF:2797915.3/54

All: 6591.569+/-0.583 χ^2/NDF: 5135695.3/10



Right In: 0.191+/-0.225 χ^2/NDF: 23.2/24

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: 0.169+/-0.219 χ^2/NDF: 42.9/29

Left In: -0.138+/-0.225 χ^2/NDF:16.5/22

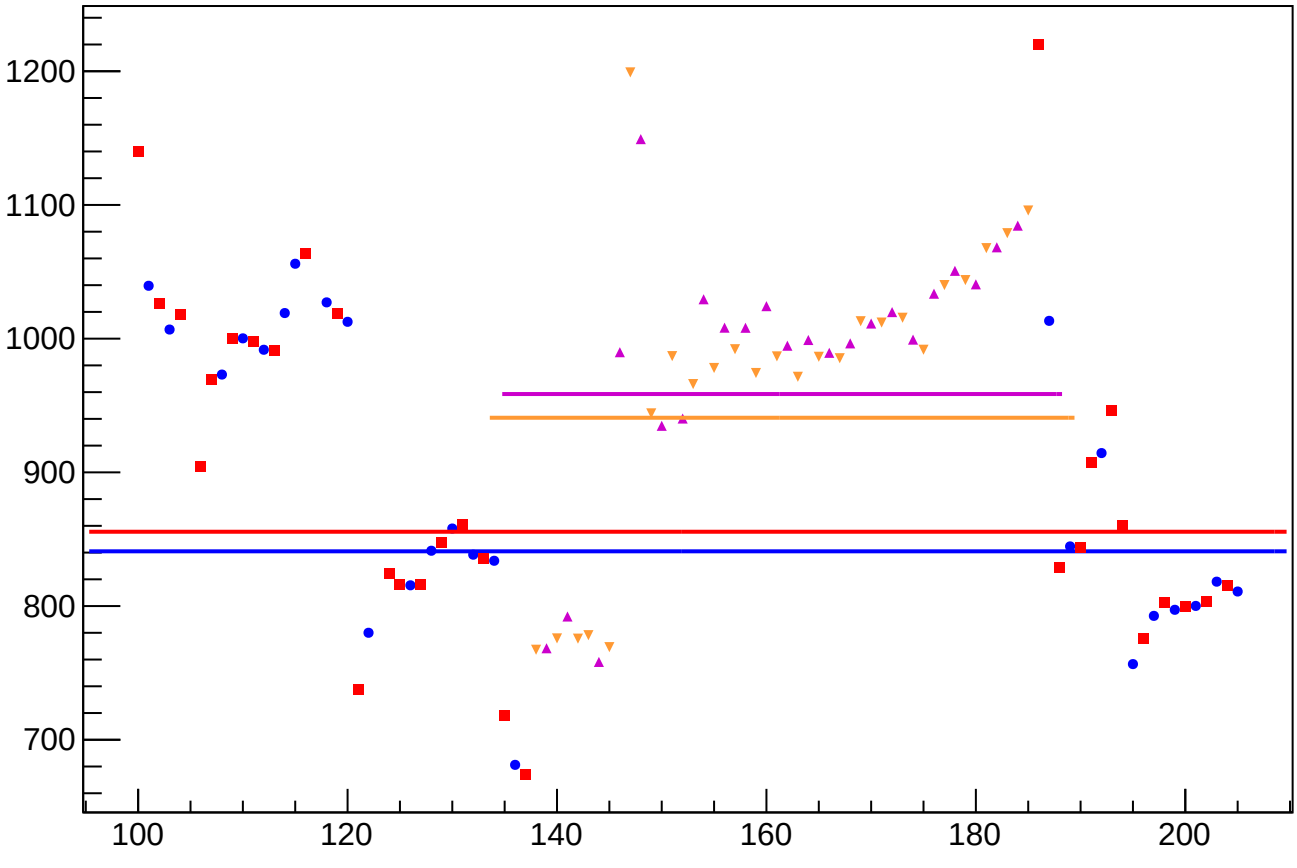
Left: -0.115+/-0.156 χ^2/NDF: 43.8/47

Right: 0.180+/-0.157 χ^2/NDF: 66.2/54

In: 0.027+/-0.159 χ^2/NDF:40.8/47

Out: 0.035+/-0.154 χ^2/NDF:71.0/54

All: 0.031+/-0.111 χ^2/NDF: 111.8/102



Right In: 840.945+/-0.159 χ^2/NDF: 381343.0/24

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 855.588+/-0.155 χ^2/NDF: 419327.3/29

Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

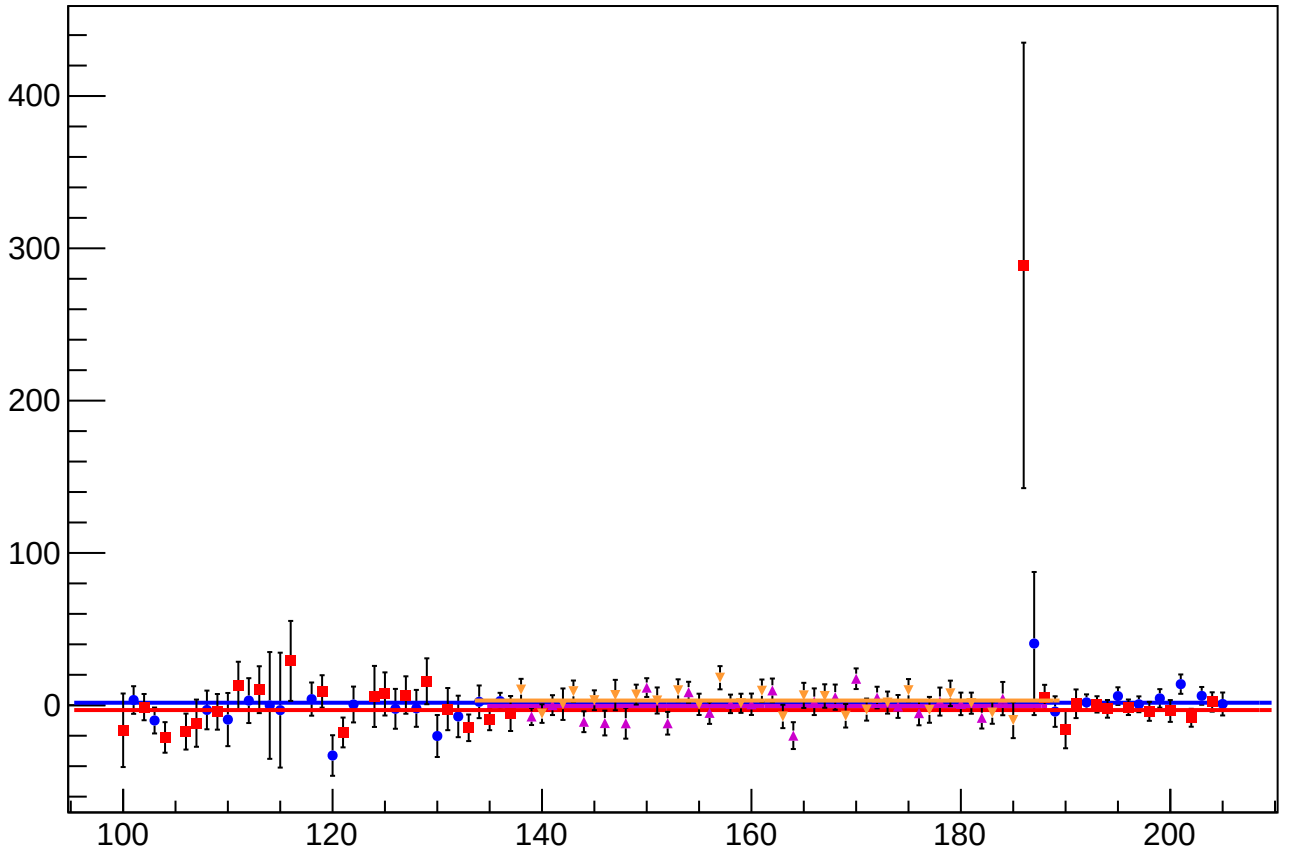
Left: 949.310+/-0.110 χ^2/NDF: 1032074.6/47

Right: 848.477+/-0.111 χ^2/NDF: 805013.0/54

In: 899.769+/-0.113 χ^2/NDF:1110638.8/47

Out: 898.926+/-0.109 χ^2/NDF:1142187.6/54

All: 899.332+/-0.078 χ^2/NDF: 2252855.4/102



Right In: 1.657+/-1.713 χ^2/NDF: 18.6/24

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: -3.156+/-1.640 χ^2/NDF: 26.0/29

Left In: -0.519+/-1.535 χ^2/NDF:32.0/22

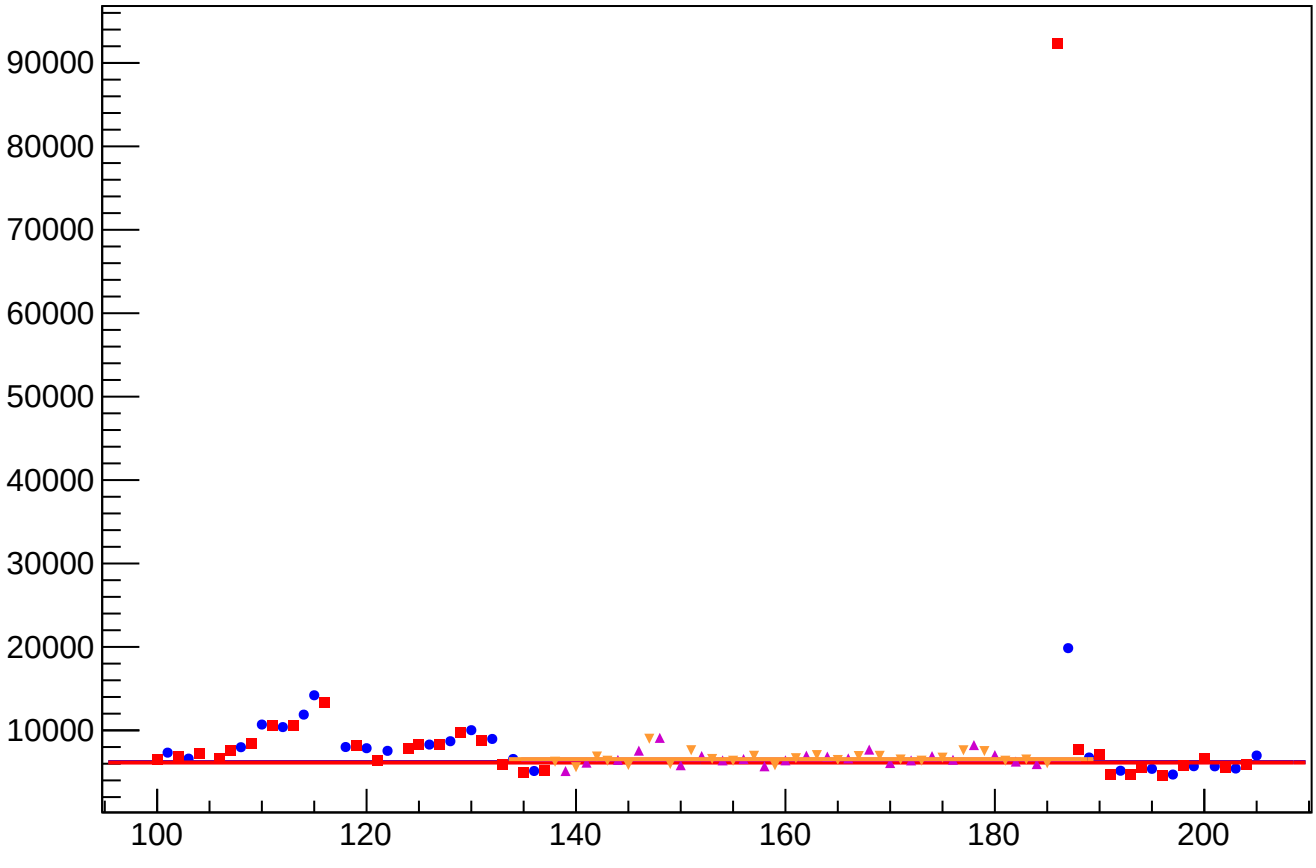
Left: 1.331+/-1.073 χ^2/NDF: 53.4/47

Right: -0.855+/-1.185 χ^2/NDF: 48.8/54

In: 0.450+/-1.143 χ^2/NDF:51.5/47

Out: 0.249+/-1.107 χ^2/NDF:52.5/54

All: 0.346+/-0.795 χ^2/NDF: 104.1/102



Right In: 6198.789+/-1.212 χ^2/NDF: 1617611.0/24

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6142.515+/-1.159 χ^2/NDF: 2297149.8/29

Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

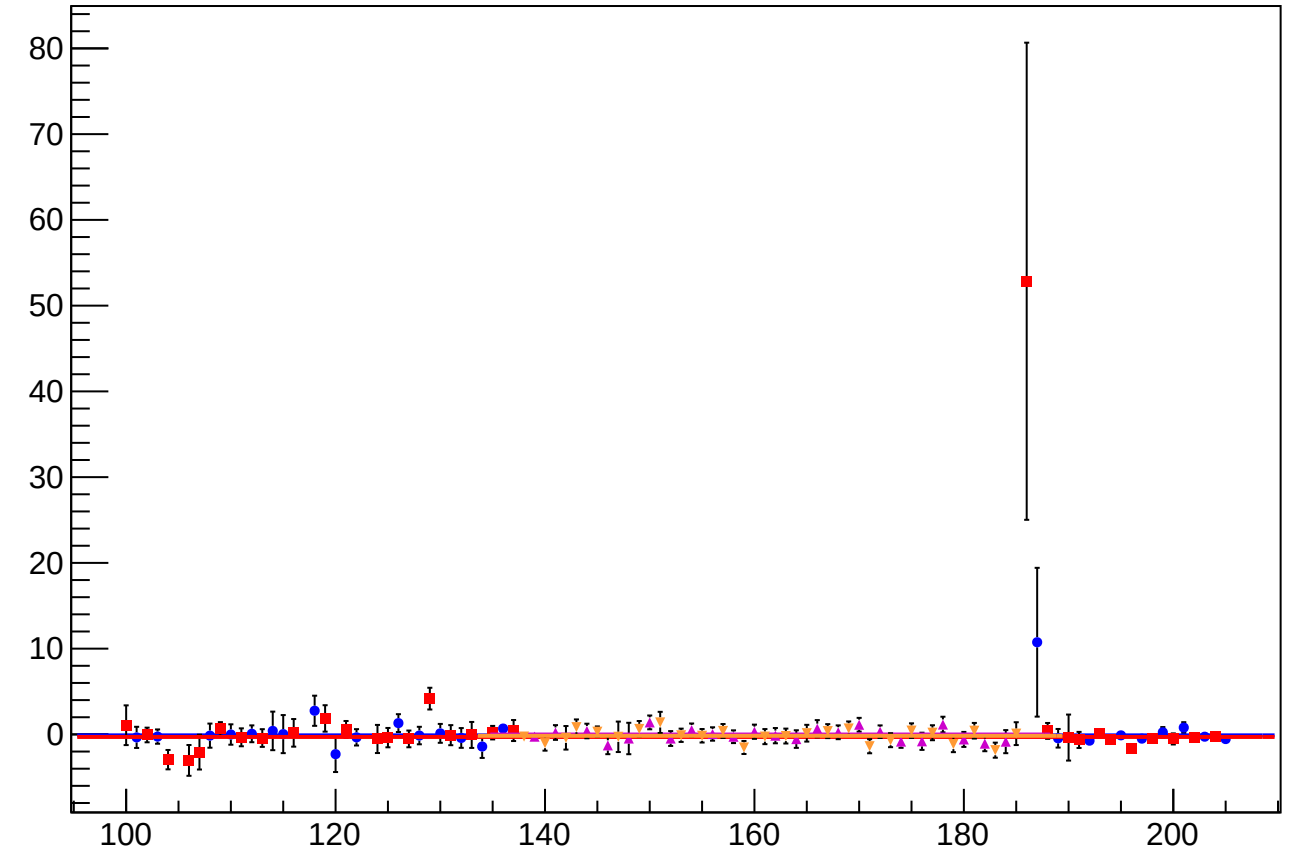
Left: 6527.477+/-0.759 χ^2/NDF: 882403.7/47

Right: 6169.412+/-0.838 χ^2/NDF: 3915887.0/54

In: 6368.711+/-0.808 χ^2/NDF:2168560.0/47

Out: 6363.704+/-0.783 χ^2/NDF:2730099.1/54

All: 6366.126+/-0.562 χ^2/NDF: 4898679.0/10



Right In: -0.113+/-0.160 χ^2/NDF: 15.7/24

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.297+/-0.159 χ^2/NDF: 37.9/29

Left In: -0.017+/-0.169 χ^2/NDF:15.2/22

Left: -0.089+/-0.121 χ^2/NDF: 34.6/47

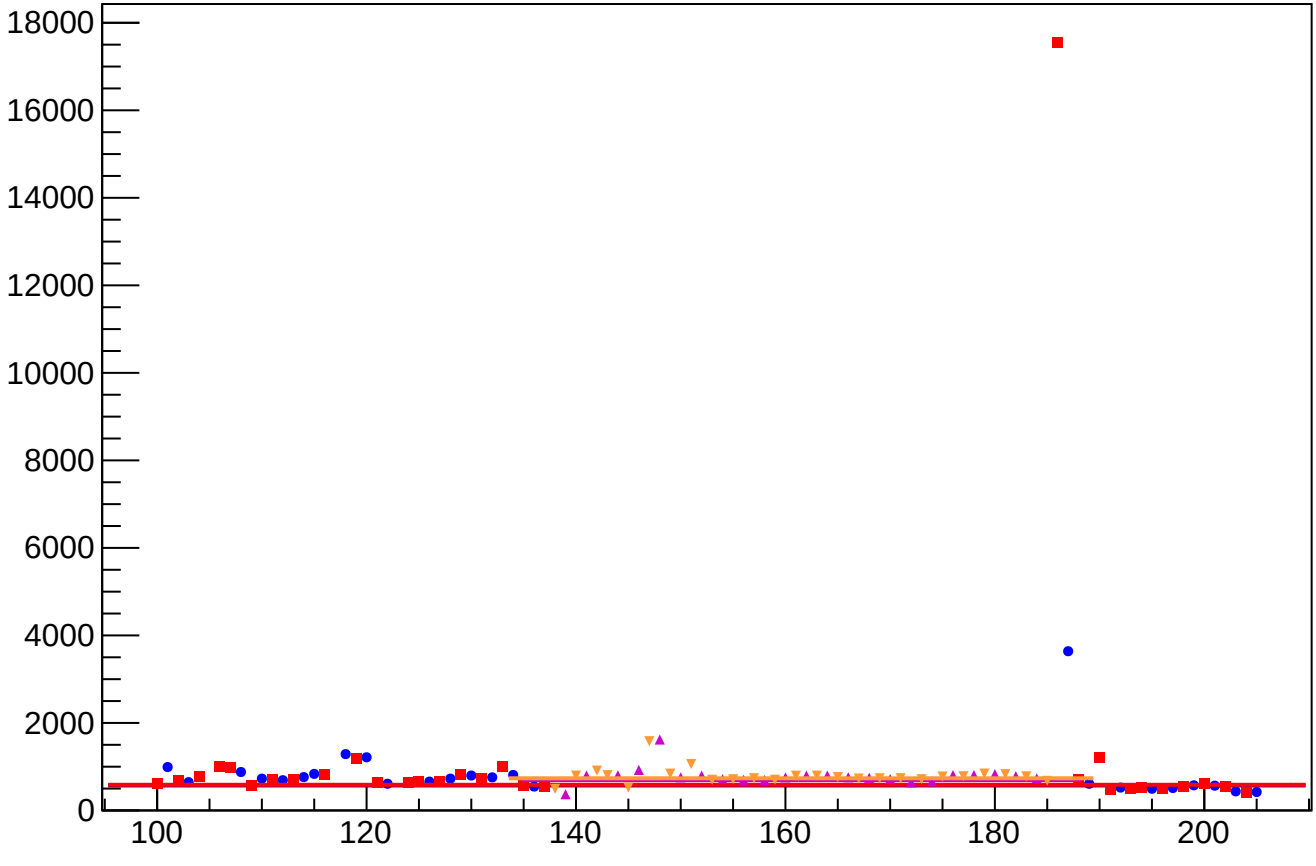
Right: -0.206+/-0.113 χ^2/NDF: 54.3/54

In: -0.068+/-0.116 χ^2/NDF:31.1/47

Out: -0.235+/-0.117 χ^2/NDF:57.2/54

All: -0.151+/-0.082 χ^2/NDF: 89.4/102

diff_bpm_4aY_4eY_dd_rms vs Slug, Sign Corrected



Right In: 571.398+/-0.113 χ^2/NDF: 1959751.2/24

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 586.631+/-0.112 χ^2/NDF: 2267956.0/29

Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

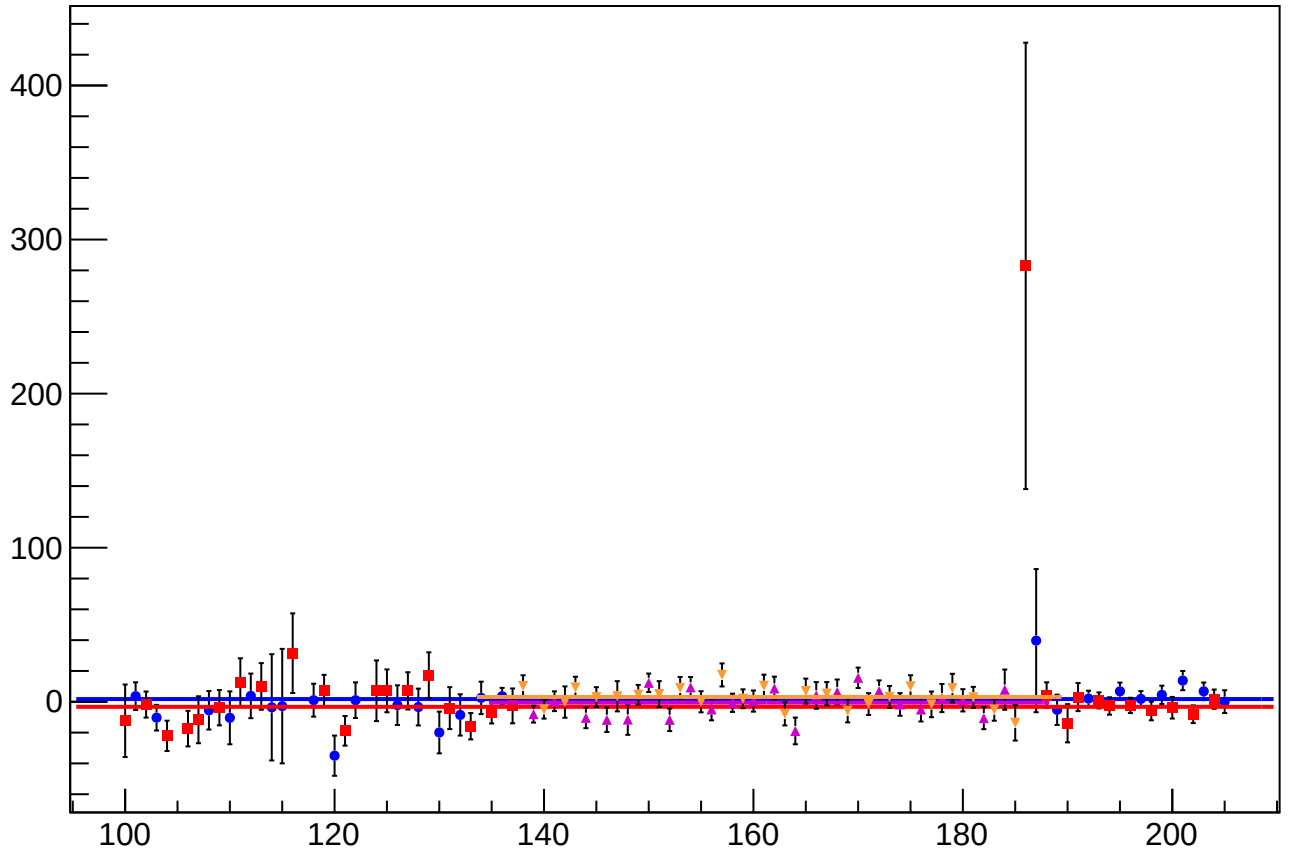
Left: 714.202+/-0.085 χ^2/NDF: 3622132.3/47

Right: 579.065+/-0.080 χ^2/NDF: 4236845.4/54

In: 629.347+/-0.082 χ^2/NDF:4741423.4/47

Out: 654.859+/-0.083 χ^2/NDF:4410200.6/54

All: 642.041+/-0.058 χ^2/NDF: 9199625.2/102



Right In: 1.757+/-1.680 χ^2/NDF: 21.2/24

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: -3.278+/-1.606 χ^2/NDF: 27.1/29

Left In: -0.550+/-1.512 χ^2/NDF:33.6/22

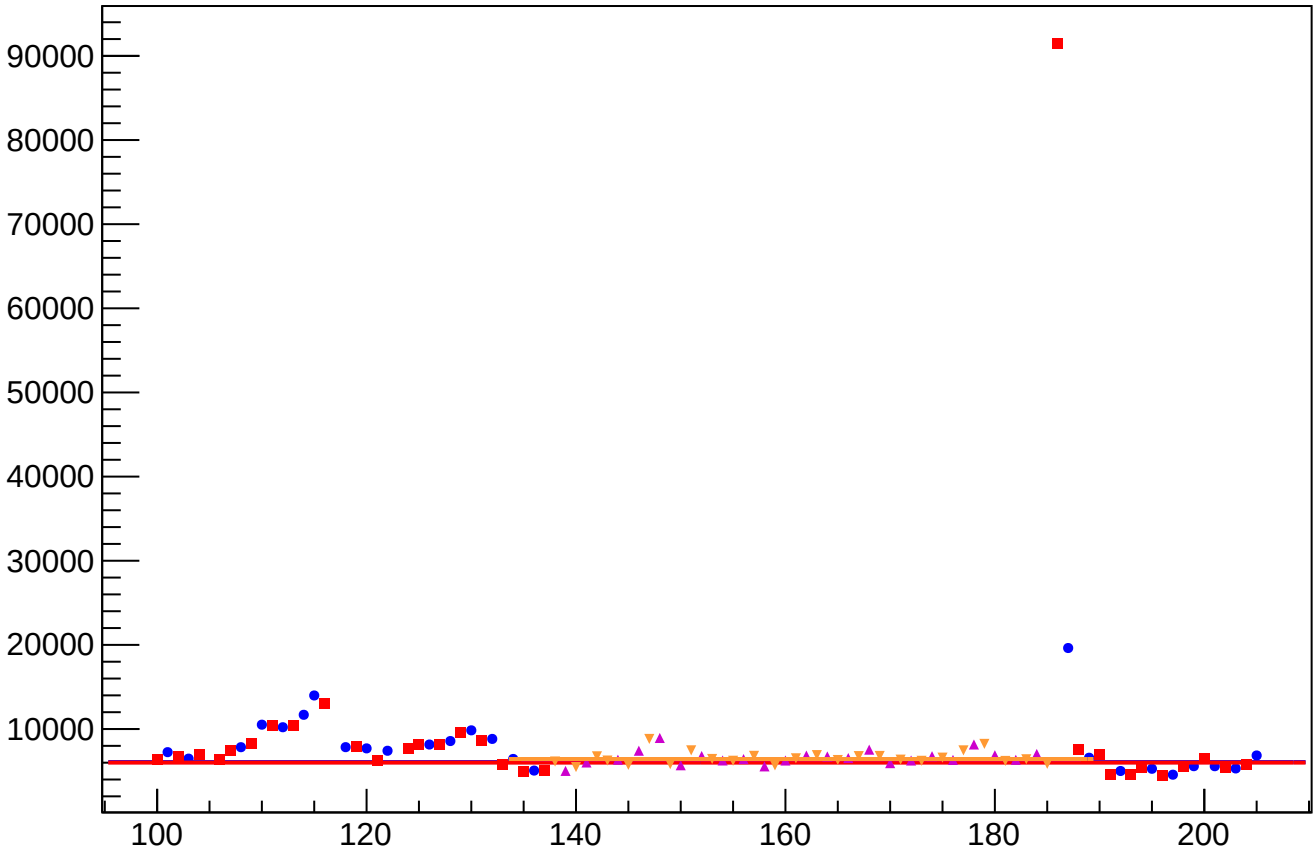
Left: 1.325+/-1.056 χ^2/NDF: 55.3/47

Right: -0.873+/-1.161 χ^2/NDF: 53.0/54

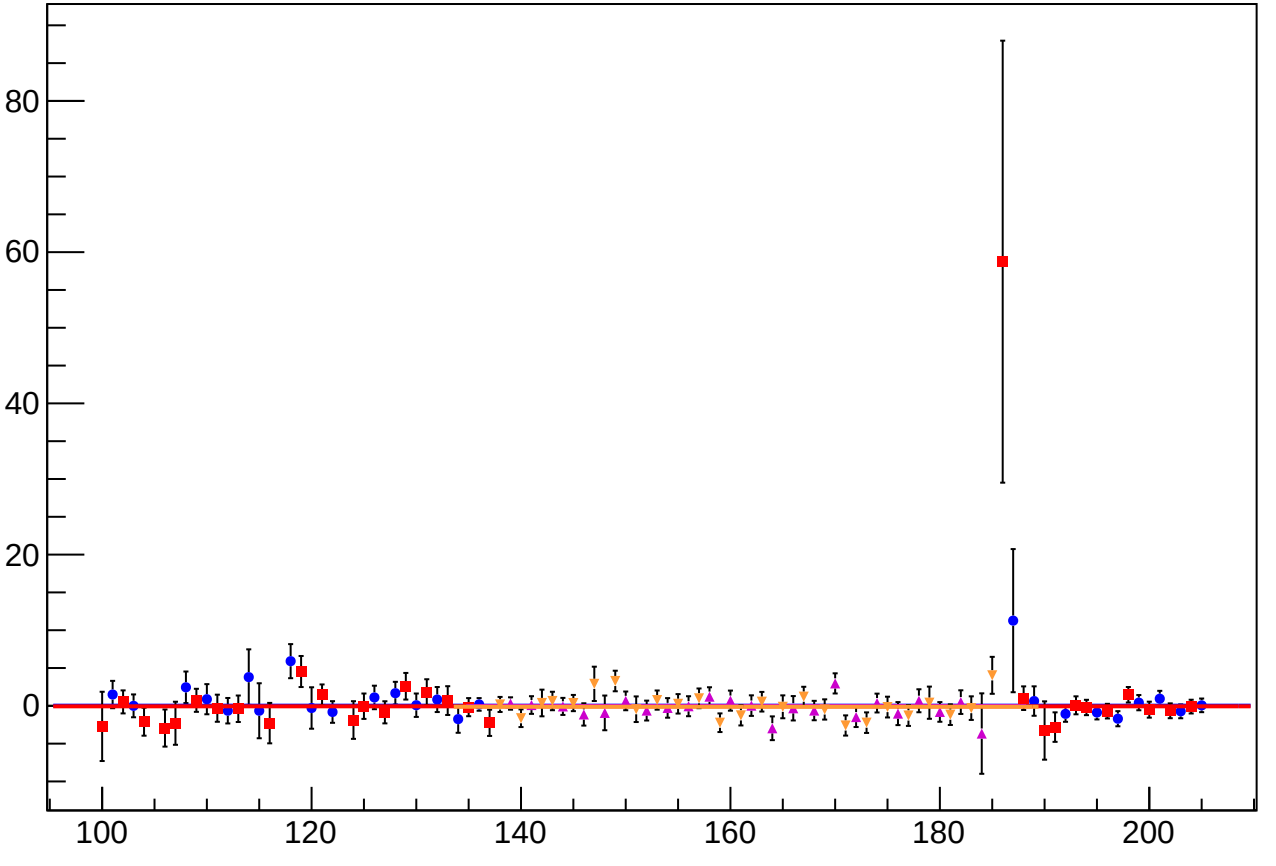
In: 0.483+/-1.124 χ^2/NDF:55.9/47

Out: 0.186+/-1.087 χ^2/NDF:54.4/54

All: 0.329+/-0.781 χ^2/NDF: 110.3/102


diff_bpm_4aY_4ecY_avg_rms vs Slug, Sign Corrected
90000
80000
70000
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 6071.471+/-1.188 χ²/NDF: 1645831.8/24
Left Out: 6435.363+/-1.044 χ²/NDF:417318.3/24
Right Out: 6011.863+/-1.136 χ²/NDF: 2318344.2/29
Left In: 6405.229+/-1.069 χ²/NDF:525079.4/22
Left: 6420.661+/-0.747 χ²/NDF: 942804.2/47
Right: 6040.331+/-0.821 χ²/NDF: 3965491.6/54
In: 6255.800+/-0.795 χ²/NDF:2214517.0/47
Out: 6241.432+/-0.769 χ²/NDF:2811037.5/54
All: 6248.375+/-0.552 χ²/NDF: 5025723.4/10

diff_bpm_4aY_4ecY_dd_mean vs Slug, Sign Corrected



Right In: 0.023+/-0.271 χ^2/NDF: 21.7/24

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.066+/-0.272 χ^2/NDF: 27.4/29

Left In: -0.029+/-0.279 χ^2/NDF:14.4/22

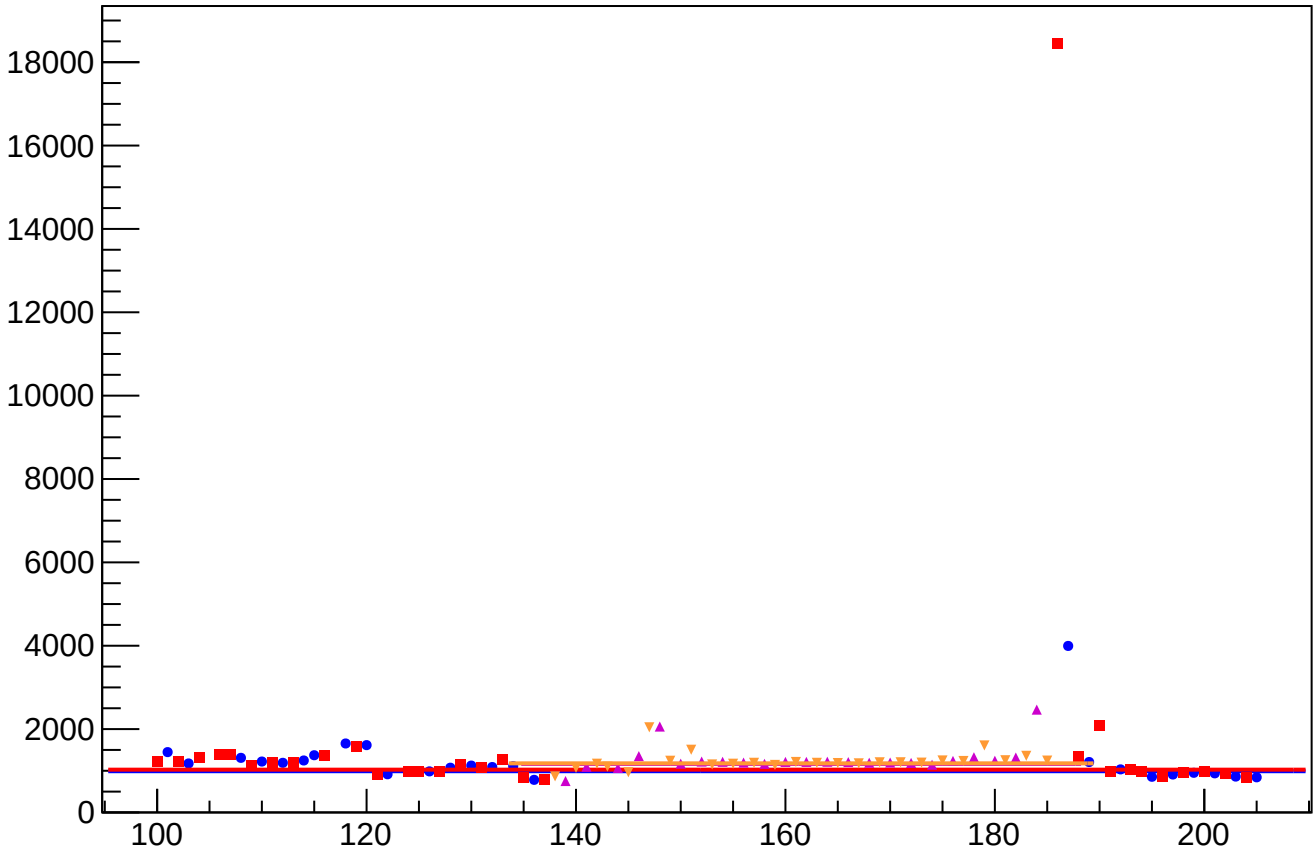
Left: -0.077+/-0.195 χ^2/NDF: 41.5/47

Right: -0.022+/-0.192 χ^2/NDF: 49.1/54

In: -0.003+/-0.194 χ^2/NDF:36.1/47

Out: -0.094+/-0.193 χ^2/NDF:54.4/54

All: -0.049+/-0.137 χ^2/NDF: 90.6/102



Right In: 989.340+/-0.192 χ^2/NDF: 1123004.9/24

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 1026.611+/-0.192 χ^2/NDF: 1658526.4/29

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

Left: 1170.916+/-0.138 χ^2/NDF: 1855646.9/47

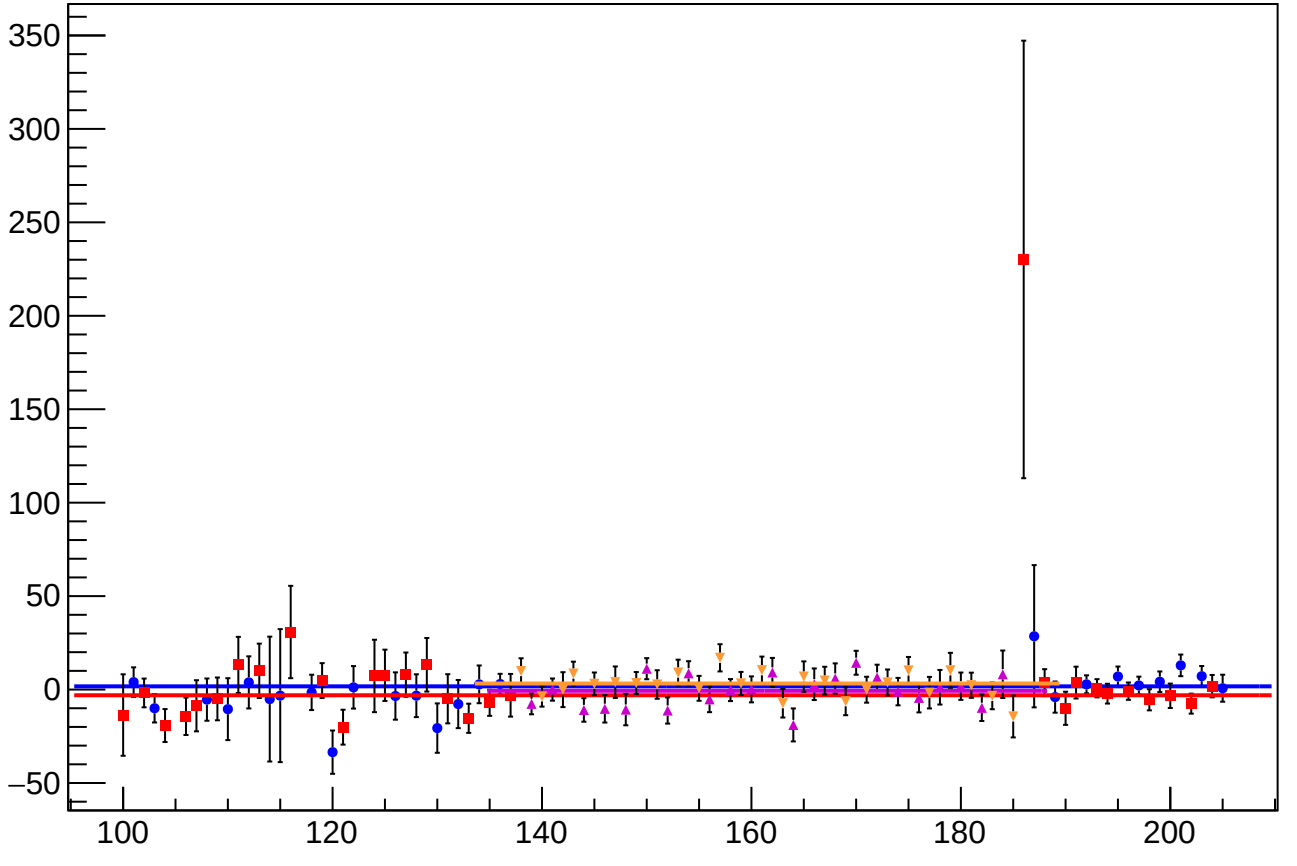
Right: 1007.944+/-0.136 χ^2/NDF: 2800403.6/54

In: 1074.204+/-0.137 χ^2/NDF:2578228.4/47

Out: 1101.666+/-0.136 χ^2/NDF:2767118.6/54

All: 1088.050+/-0.097 χ^2/NDF: 5365495.5/10

diff_bpm_4eY_4ecY_avg_mean vs Slug, Sign Corrected



Right In: 1.717+/-1.578 χ^2/NDF: 23.7/24

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: -3.048+/-1.496 χ^2/NDF: 27.4/29

Left In: -0.667+/-1.474 χ^2/NDF:32.4/22

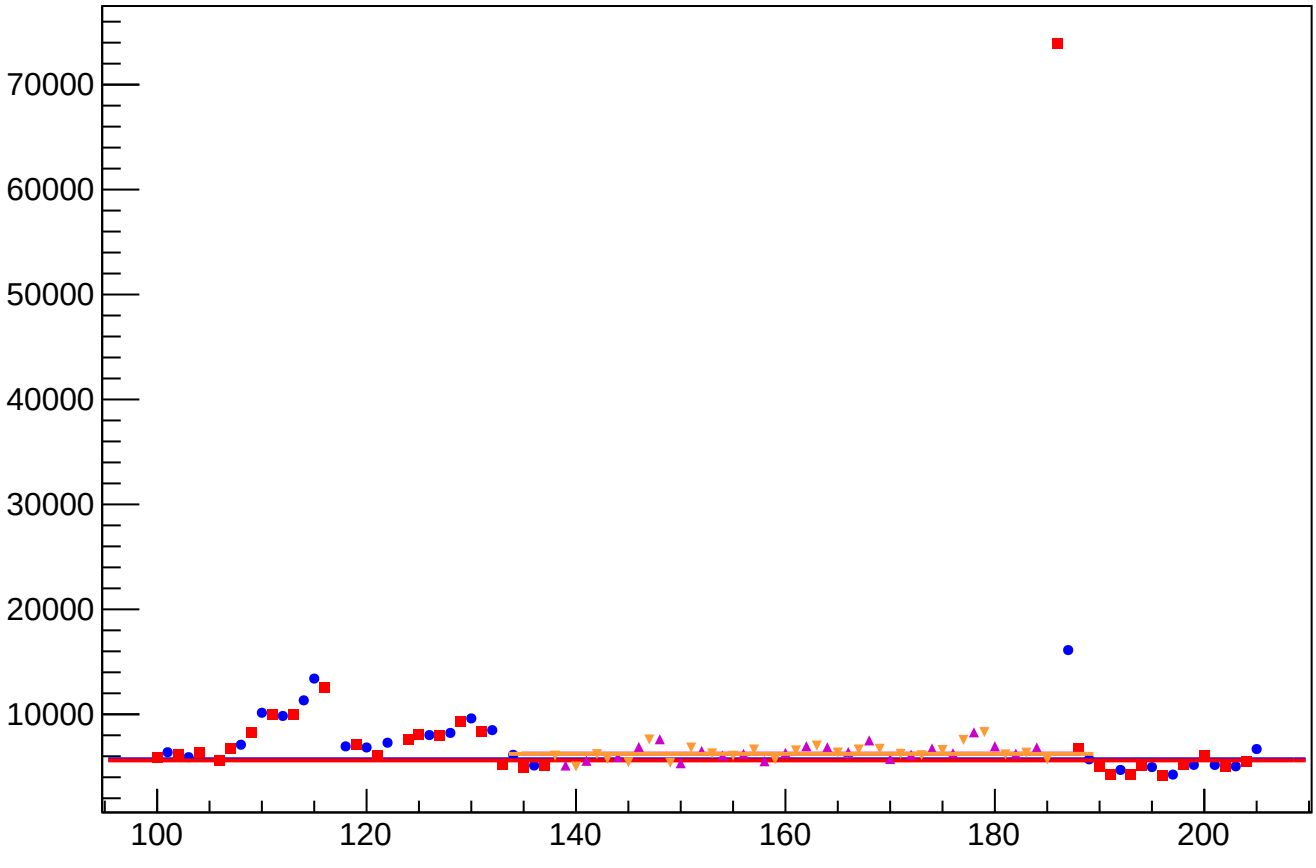
Left: 1.343+/-1.026 χ^2/NDF: 53.9/47

Right: -0.793+/-1.086 χ^2/NDF: 55.9/54

In: 0.443+/-1.077 χ^2/NDF:57.2/47

Out: 0.236+/-1.034 χ^2/NDF:54.5/54

All: 0.336+/-0.746 χ^2/NDF: 111.8/102



Right In: 5709.425+/-1.116 χ^2/NDF: 1634985.7/24

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

Right Out: 5608.475+/-1.058 χ^2/NDF: 2333505.2/29

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

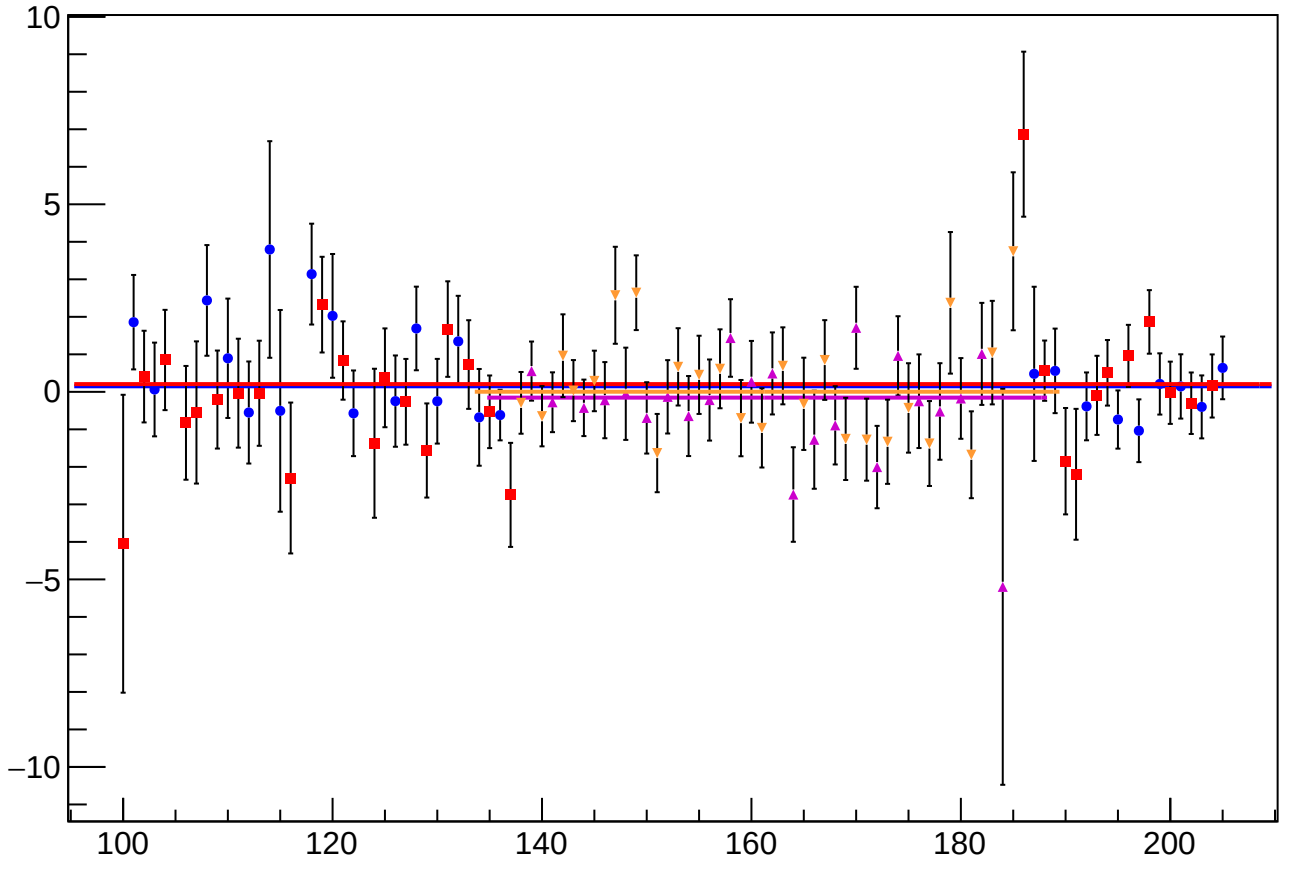
Left: 6237.452+/-0.726 χ^2/NDF: 955990.8/47

Right: 5656.257+/-0.768 χ^2/NDF: 3972800.4/54

In: 5996.502+/-0.762 χ^2/NDF:2243835.3/47

Out: 5932.670+/-0.731 χ^2/NDF:2983992.5/54

All: 5963.271+/-0.527 χ^2/NDF: 5231484.4/10



Right In: 0.148+/-0.216 χ^2/NDF: 22.4/24

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: 0.206+/-0.211 χ^2/NDF: 35.0/29

Left In: -0.154+/-0.221 χ^2/NDF:18.4/22

Left: -0.072+/-0.153 χ^2/NDF: 50.3/47

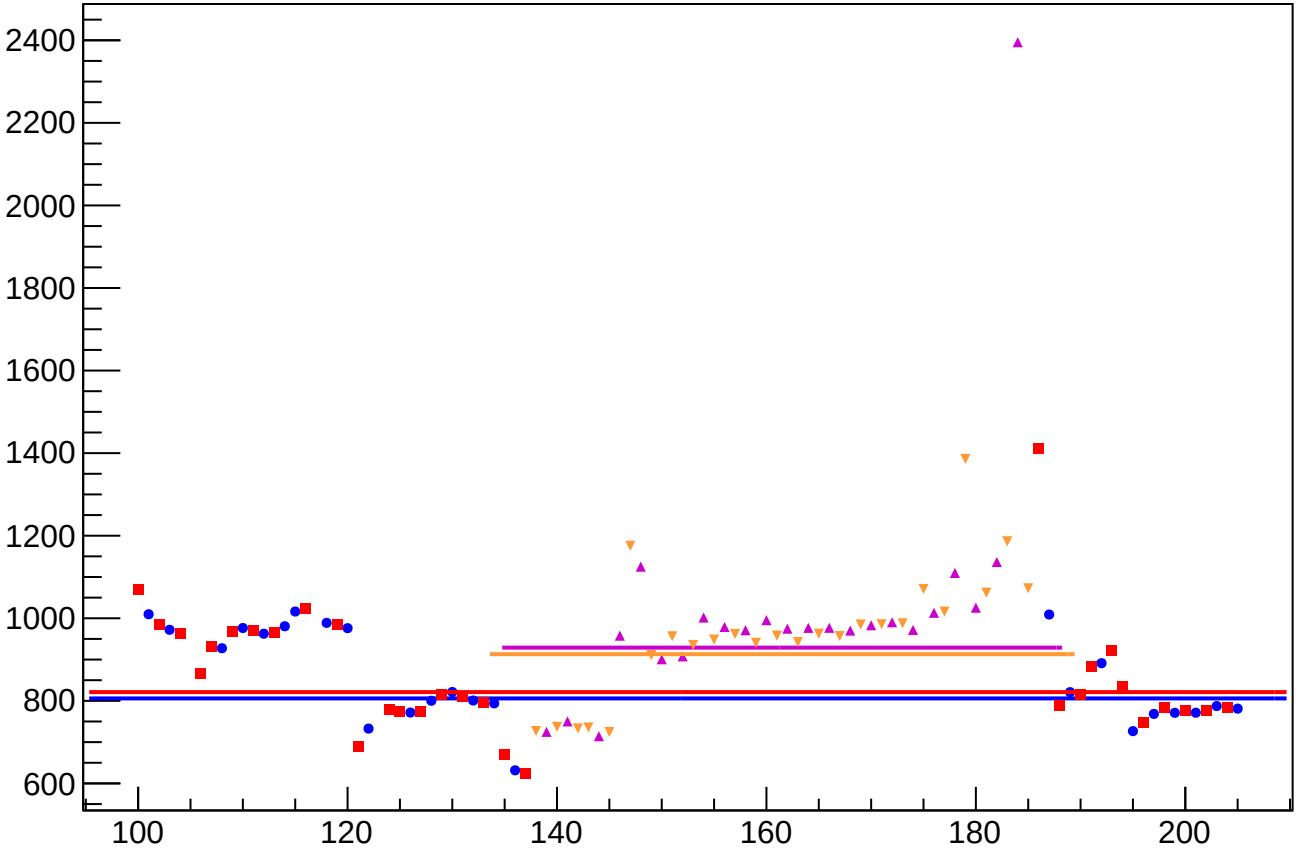
Right: 0.178+/-0.151 χ^2/NDF: 57.5/54

In: 0.000+/-0.155 χ^2/NDF:41.8/47

Out: 0.105+/-0.149 χ^2/NDF:67.1/54

All: 0.055+/-0.107 χ^2/NDF: 109.1/102

diff_bpm_4eY_4ecY_dd_rms vs Slug, Sign Corrected



Right In: 805.860+/-0.153 χ^2/NDF: 440583.7/24

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 821.216+/-0.149 χ^2/NDF: 528968.3/29

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

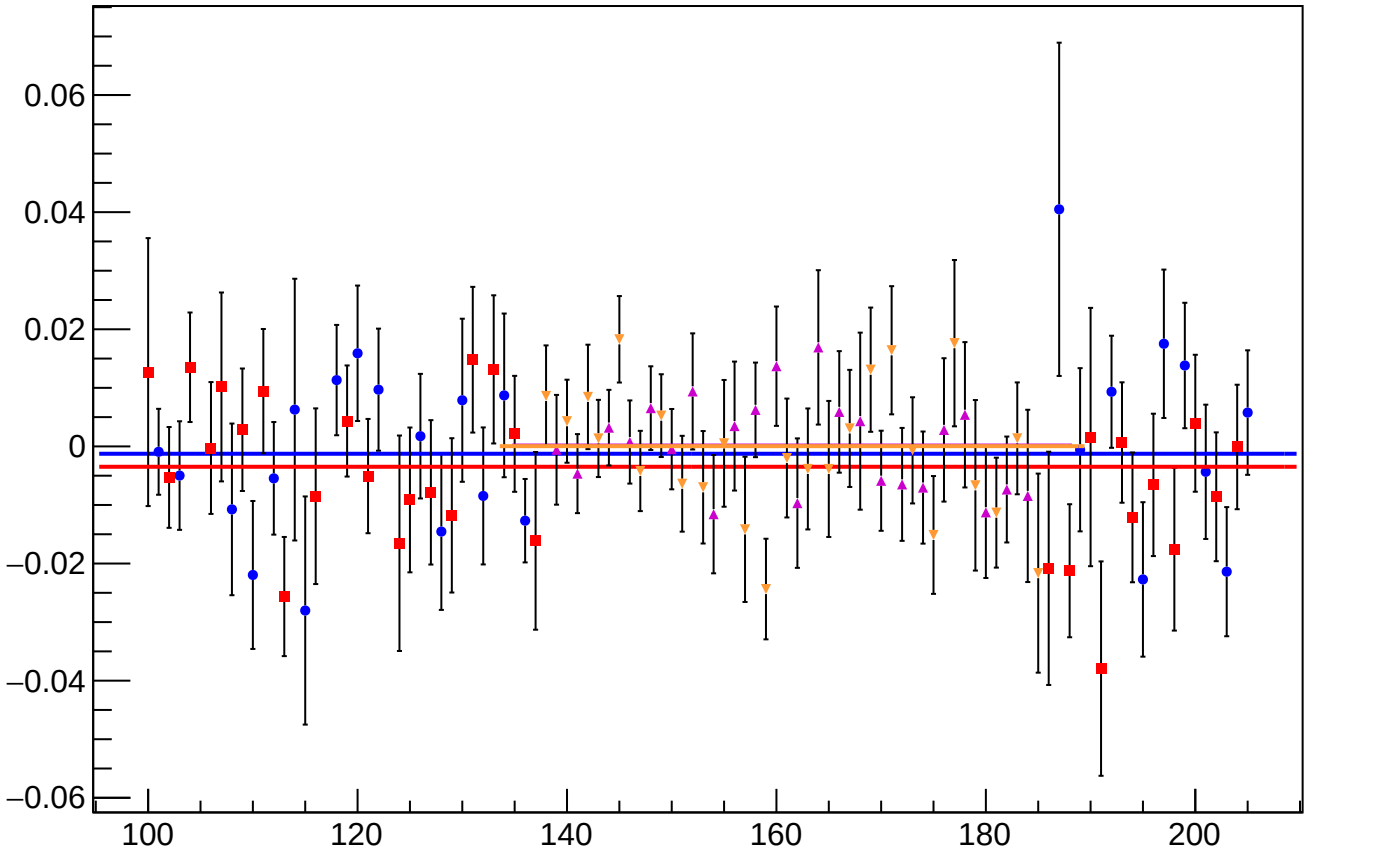
Left: 920.657+/-0.108 χ^2/NDF: 1663617.7/47

Right: 813.740+/-0.107 χ^2/NDF: 974718.6/54

In: 866.080+/-0.109 χ^2/NDF:1526060.0/47

Out: 866.901+/-0.106 χ^2/NDF:1607022.9/54

All: 866.505+/-0.076 χ^2/NDF: 3133112.1/102



Right In: -0.001+/-0.002 χ^2/NDF: 29.5/24

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: -0.003+/-0.002 χ^2/NDF: 27.6/29

Left In: 0.000+/-0.002 χ^2/NDF:12.8/22

Left: 0.000+/-0.001 χ^2/NDF: 43.9/47

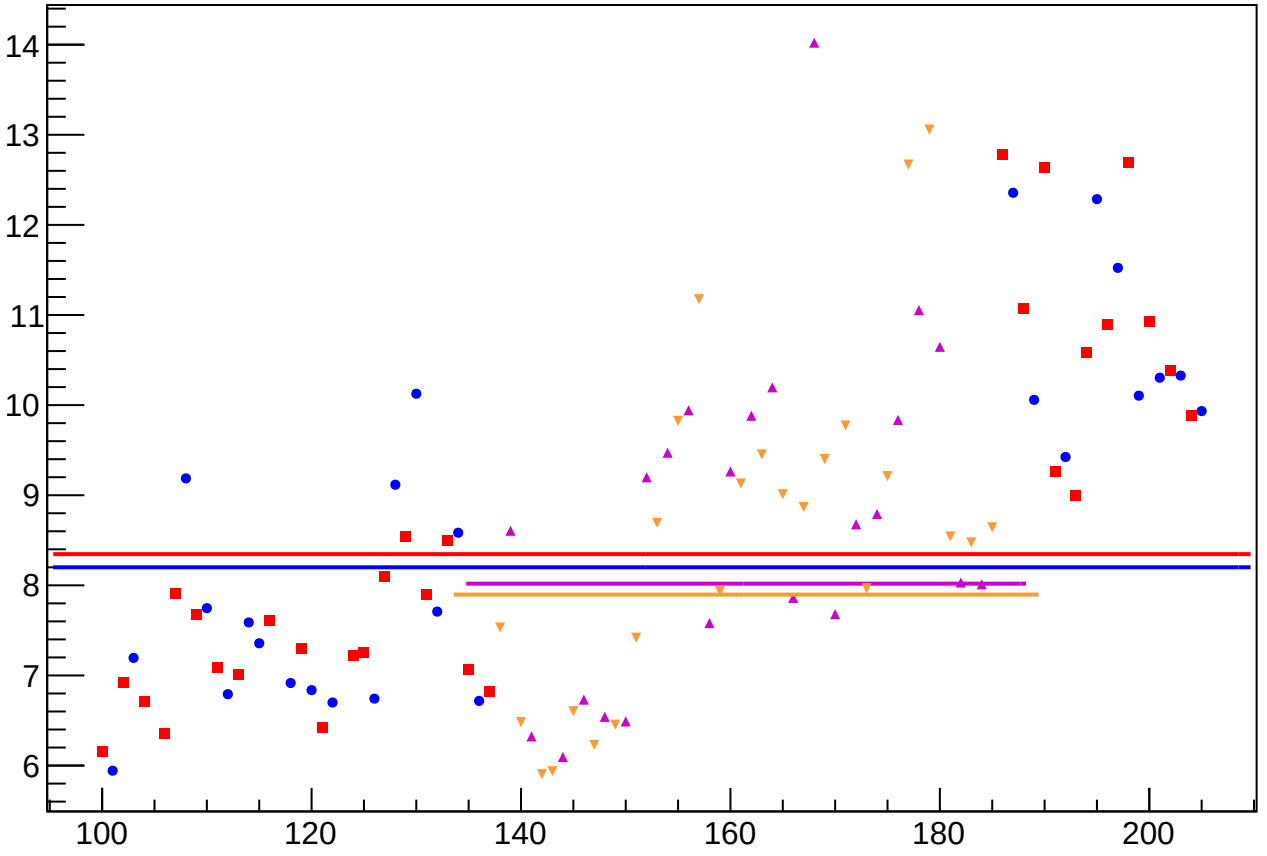
Right: -0.002+/-0.002 χ^2/NDF: 57.6/54

In: -0.000+/-0.001 χ^2/NDF:42.6/47

Out: -0.001+/-0.001 χ^2/NDF:60.2/54

All: -0.001+/-0.001 χ^2/NDF: 103.0/102

diff_dispE_bpm12X_rms vs Slug, Sign Corrected



Right In: 8.200+/-0.002 χ^2/NDF: 1254625.7/24

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

Right Out: 8.346+/-0.002 χ^2/NDF: 1331142.4/29

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

Left: 7.956+/-0.001 χ^2/NDF: 3050743.5/47

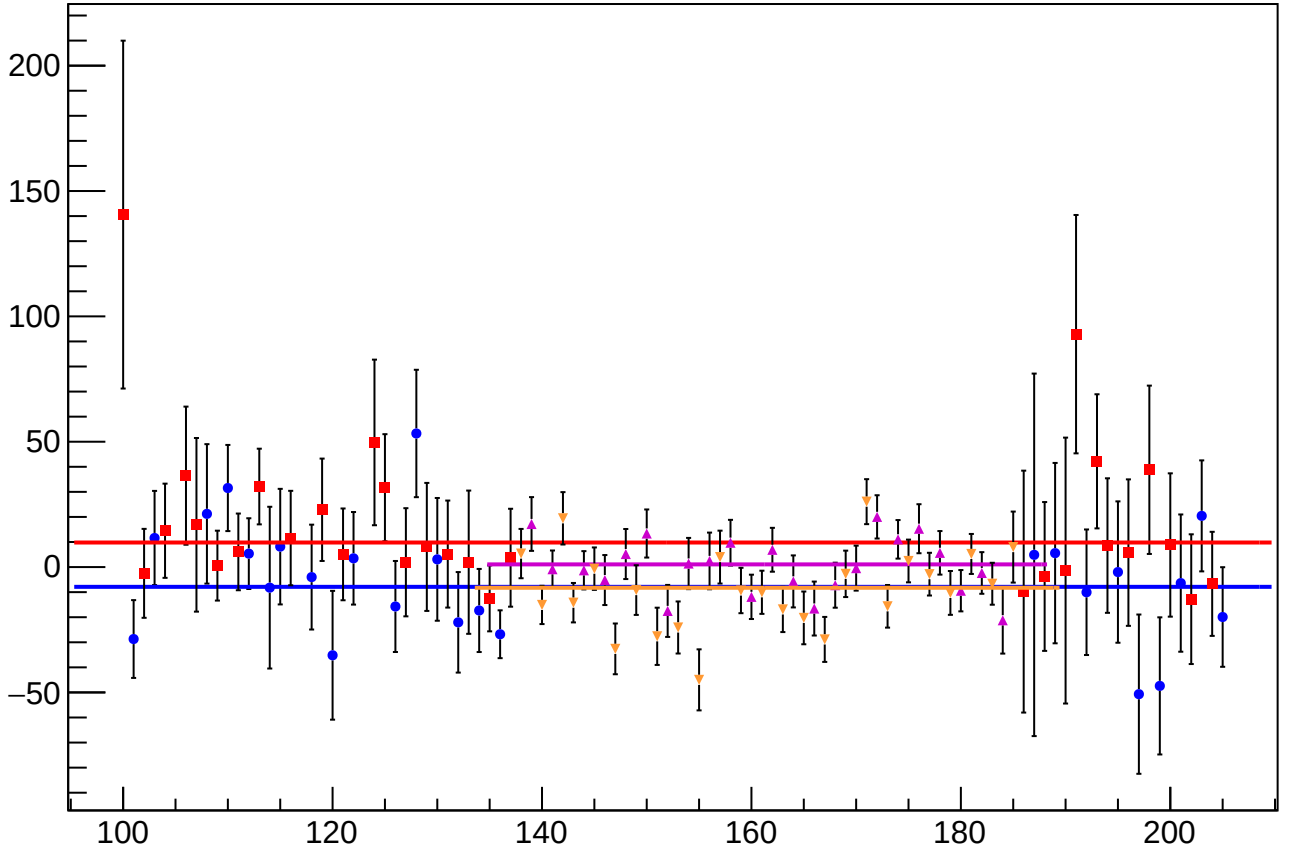
Right: 8.275+/-0.001 χ^2/NDF: 2590127.5/54

In: 8.095+/-0.001 χ^2/NDF:2717918.7/47

Out: 8.085+/-0.001 χ^2/NDF:2971478.5/54

All: 8.090+/-0.001 χ^2/NDF: 5689452.6/102

diff_targ_positionX_mean vs Slug, Sign Corrected



Right In: -7.882+/-4.026 χ^2/NDF: 29.2/24

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: 9.797+/-4.041 χ^2/NDF: 21.1/29

Left In: 1.072+/-1.921 χ^2/NDF:28.8/22

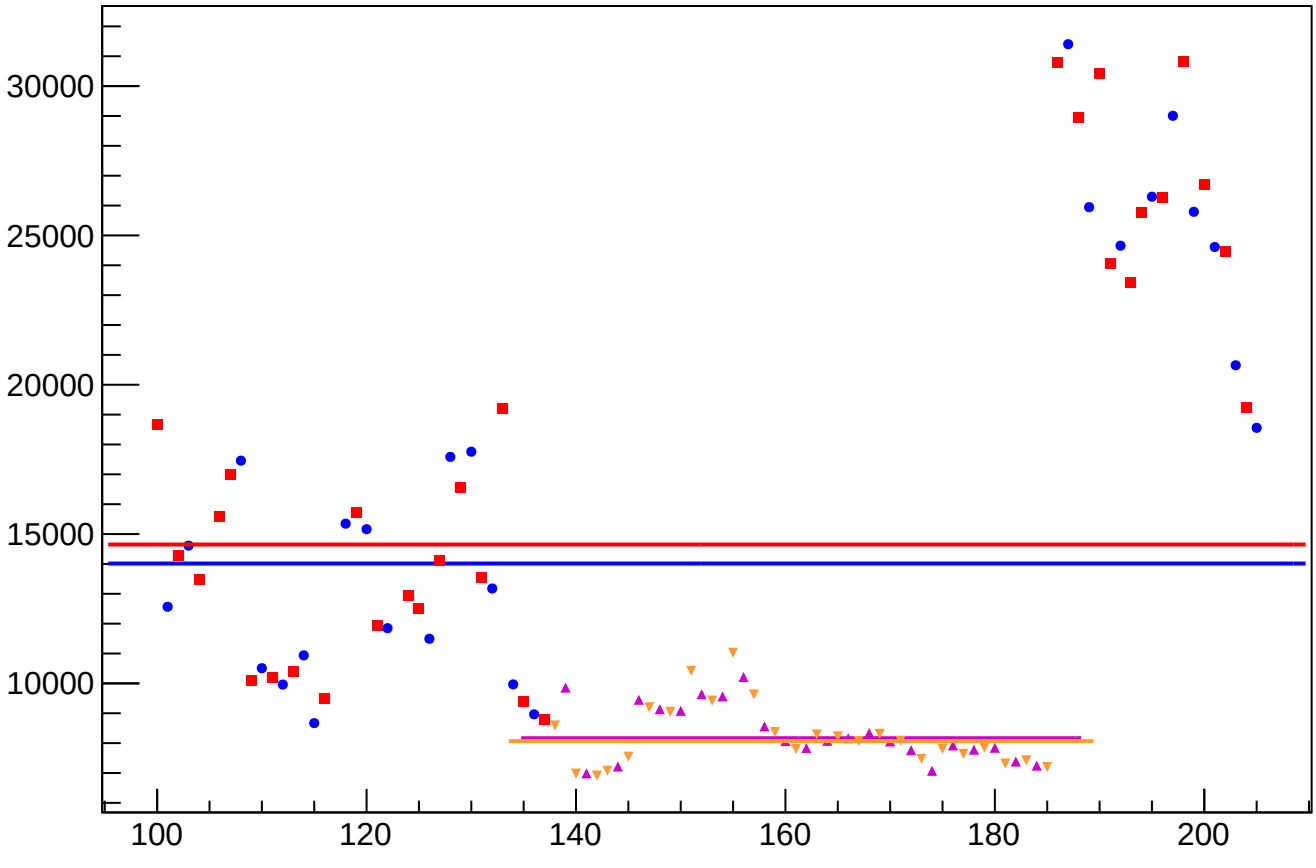
Left: -3.769+/-1.332 χ^2/NDF: 103.2/47

Right: 0.926+/-2.852 χ^2/NDF: 59.9/54

In: -0.588+/-1.734 χ^2/NDF:62.1/47

Out: -5.129+/-1.682 χ^2/NDF:99.8/54

All: -2.928+/-1.207 χ^2/NDF: 165.4/102



Right In: 14013.190+/-2.847 χ^2/NDF: 3748797.7/24

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

Right Out: 14650.532+/-2.857 χ^2/NDF: 4384860.5/29

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

Left: 8113.259+/-0.942 χ^2/NDF: 933130.1/47

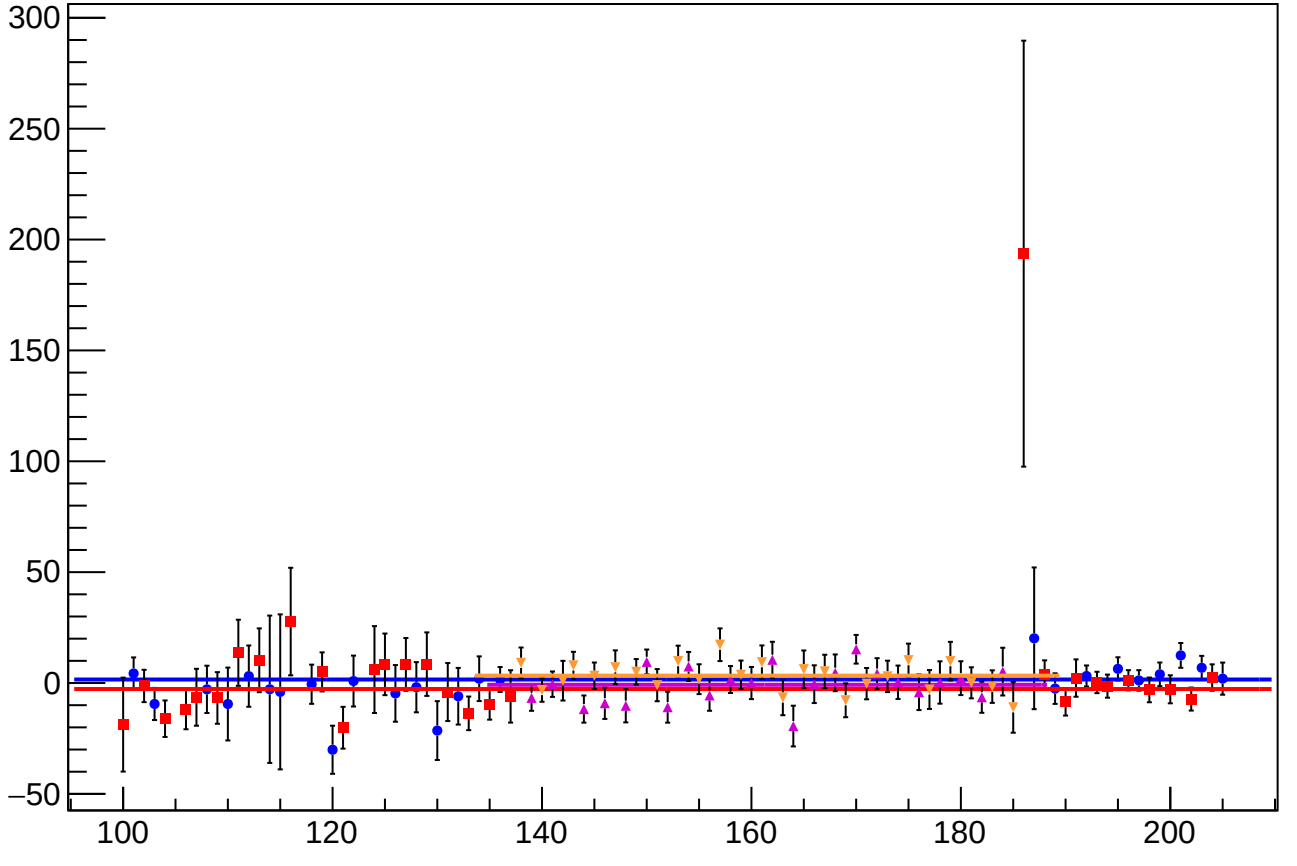
Right: 14330.712+/-2.017 χ^2/NDF: 8158628.6/54

In: 9248.132+/-1.226 χ^2/NDF:7620537.3/47

Out: 9207.118+/-1.189 χ^2/NDF:9273313.0/54

All: 9227.001+/-0.854 χ^2/NDF: 16894427.0/1

diff_targ_positionY_mean vs Slug, Sign Corrected



Right In: 1.585+/-1.535 χ^2/NDF: 22.0/24

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: -2.710+/-1.440 χ^2/NDF: 26.8/29

Left In: -0.797+/-1.479 χ^2/NDF:29.4/22

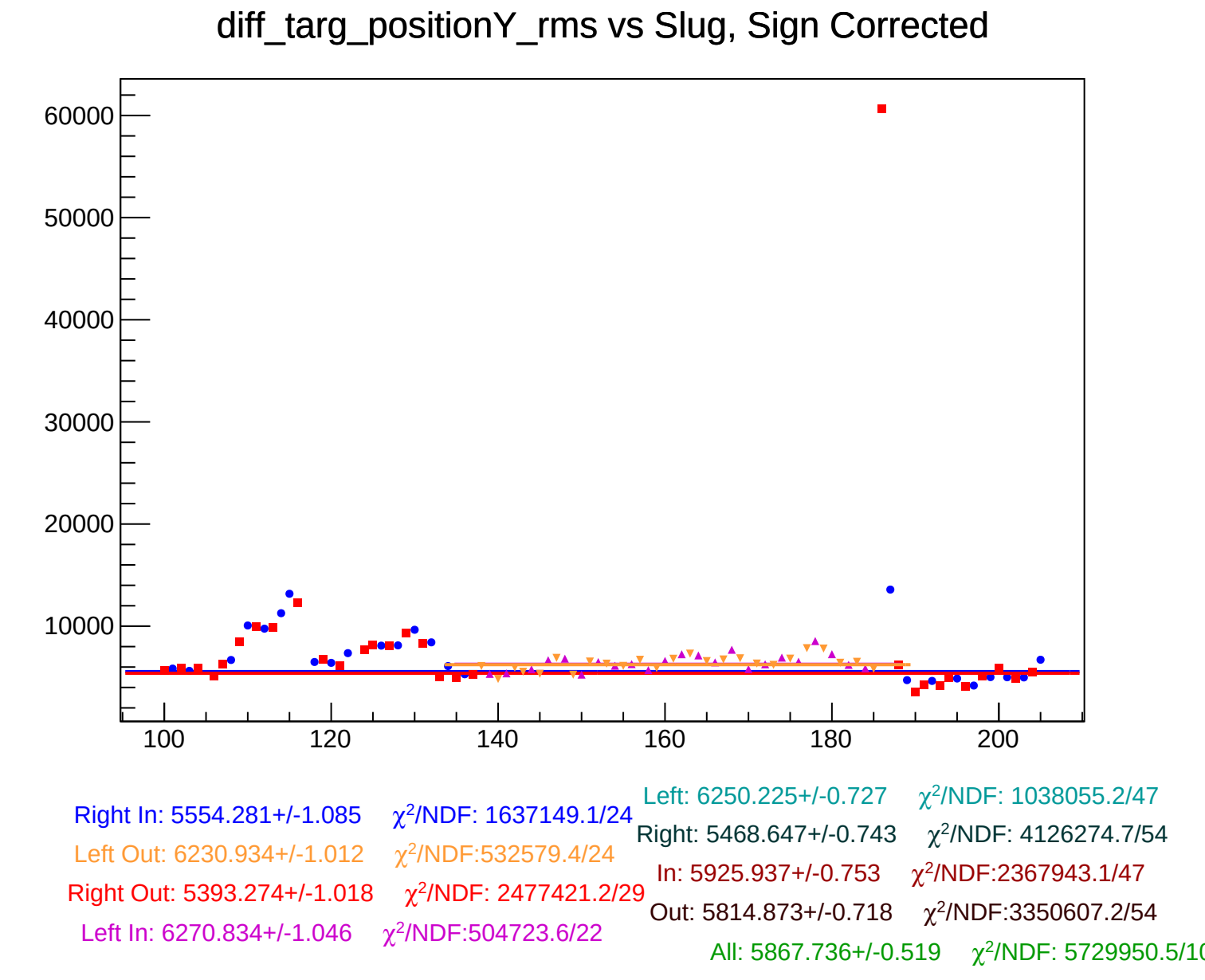
Left: 1.335+/-1.028 χ^2/NDF: 50.4/47

Right: -0.700+/-1.050 χ^2/NDF: 53.0/54

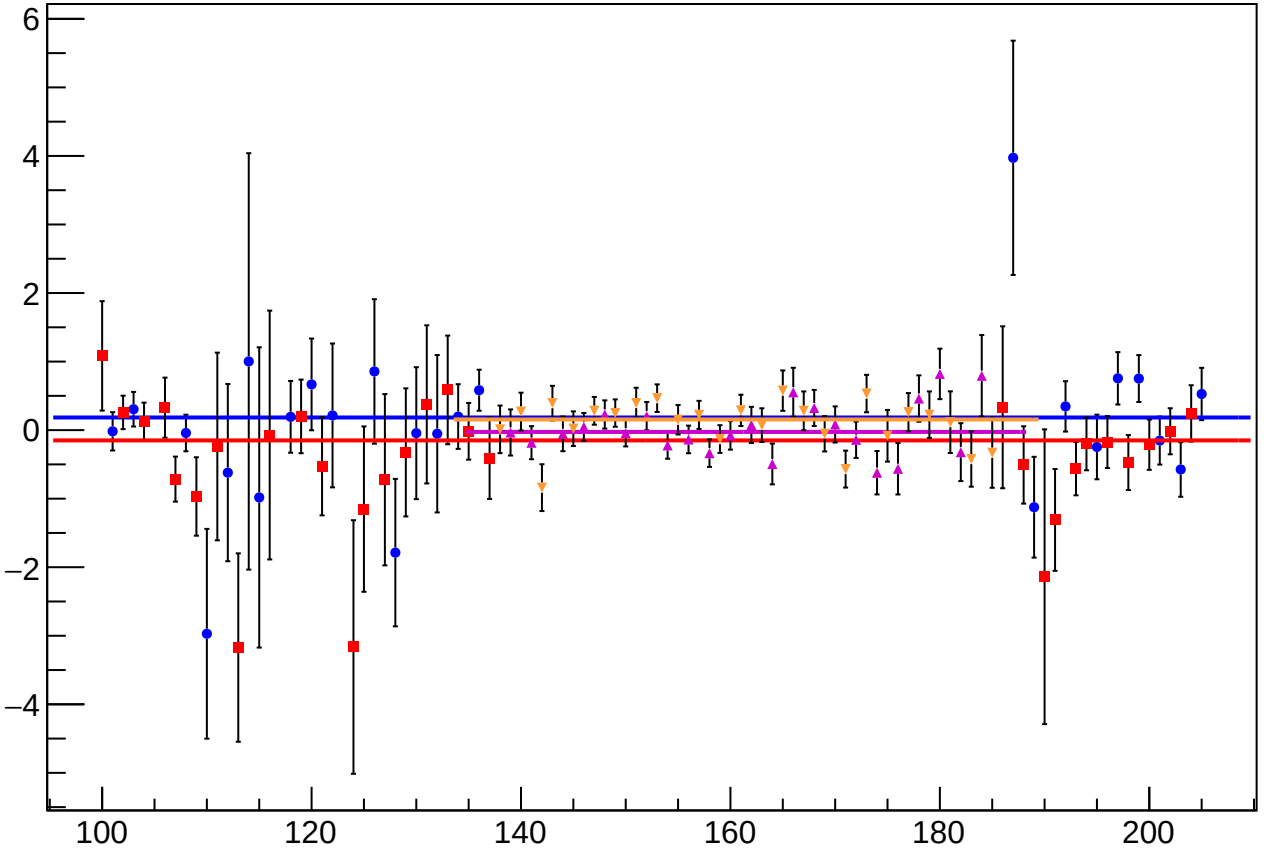
In: 0.350+/-1.065 χ^2/NDF:52.7/47

Out: 0.330+/-1.015 χ^2/NDF:52.6/54

All: 0.339+/-0.735 χ^2/NDF: 105.3/102


diff_targ_positionY_rms vs Slug, Sign Corrected
60000
50000
40000
30000
20000
10000
100
120
140
160
180
200
Right In: 5554.281+/-1.085 χ²/NDF: 1637149.1/24
Left Out: 6230.934+/-1.012 χ²/NDF:532579.4/24
Right Out: 5393.274+/-1.018 χ²/NDF: 2477421.2/29
Left In: 6270.834+/-1.046 χ²/NDF:504723.6/22
Left: 6250.225+/-0.727 χ²/NDF: 1038055.2/47
Right: 5468.647+/-0.743 χ²/NDF: 4126274.7/54
In: 5925.937+/-0.753 χ²/NDF:2367943.1/47
Out: 5814.873+/-0.718 χ²/NDF:3350607.2/54
All: 5867.736+/-0.519 χ²/NDF: 5729950.5/10

diff_targ_thetaX_mean vs Slug, Sign Corrected



Right In: 0.184+/-0.091 χ^2/NDF: 32.1/24

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: -0.150+/-0.090 χ^2/NDF: 29.7/29

Left In: -0.026+/-0.053 χ^2/NDF:29.8/22

Left: 0.066+/-0.037 χ^2/NDF: 68.1/47

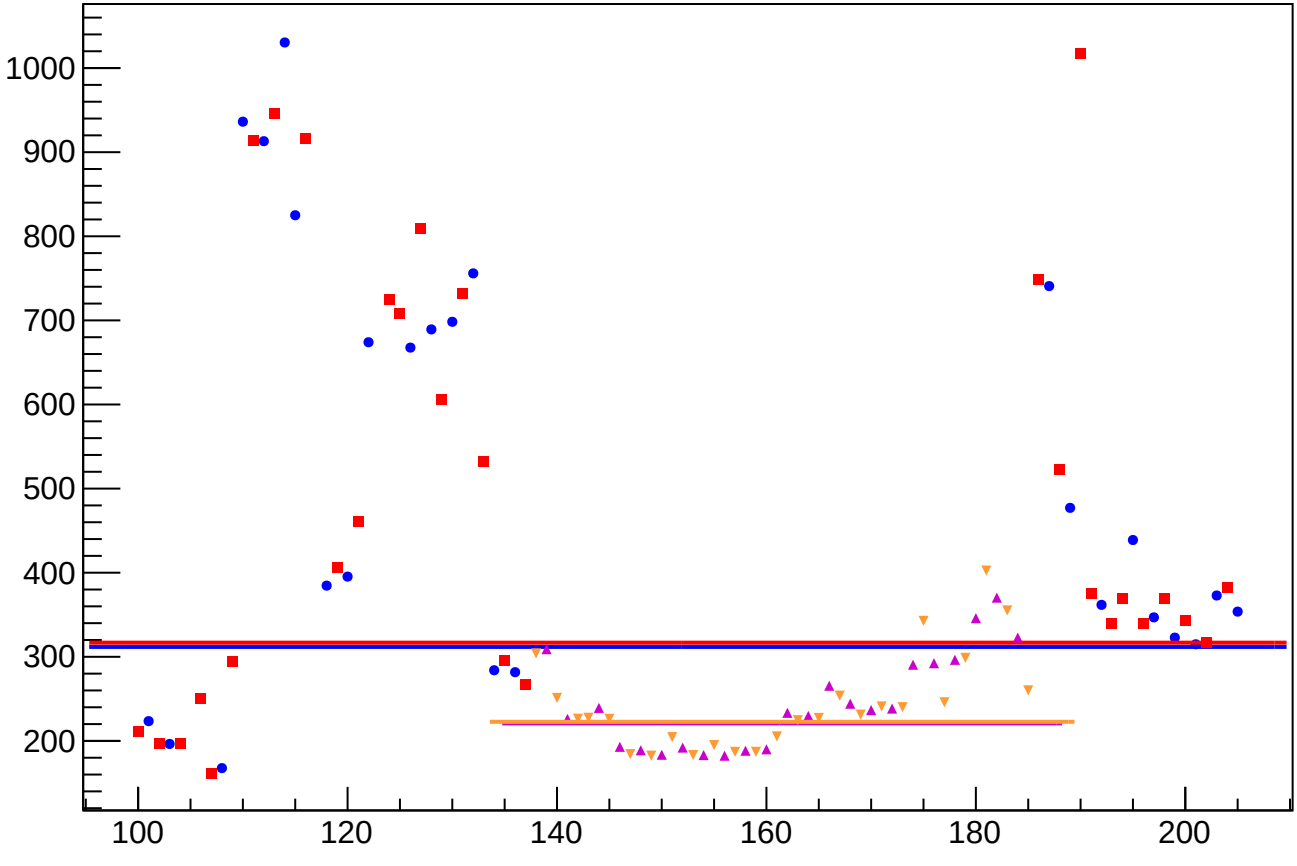
Right: 0.015+/-0.064 χ^2/NDF: 68.6/54

In: 0.027+/-0.046 χ^2/NDF:65.9/47

Out: 0.079+/-0.045 χ^2/NDF:70.6/54

All: 0.053+/-0.032 χ^2/NDF: 137.2/102

diff_targ_thetaX_rms vs Slug, Sign Corrected



Right In: 311.757+/-0.064 χ^2/NDF: 4119495.9/24

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 316.823+/-0.063 χ^2/NDF: 4698200.7/29

Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

Left: 221.784+/-0.026 χ^2/NDF: 2924208.1/47

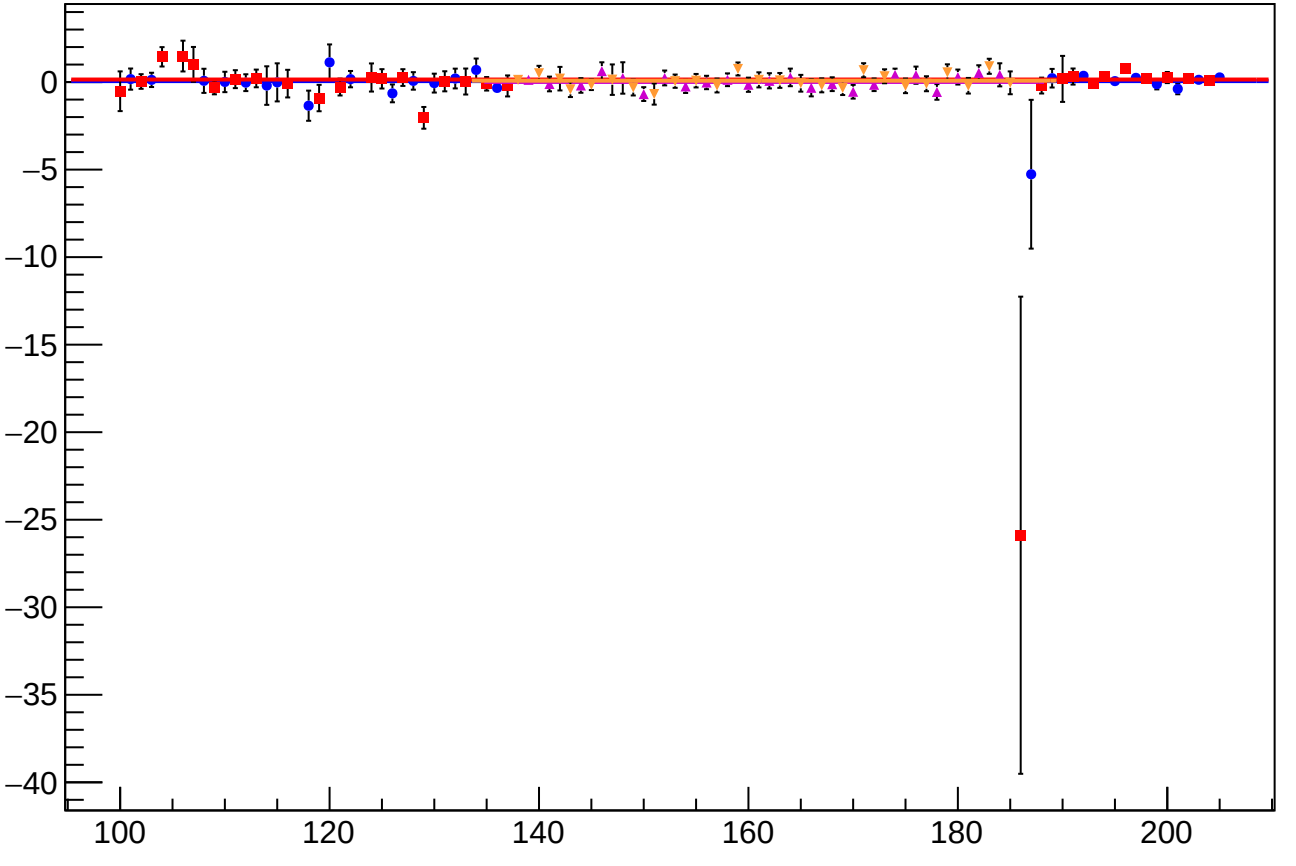
Right: 314.329+/-0.045 χ^2/NDF: 8820842.4/54

In: 243.819+/-0.032 χ^2/NDF:7083276.9/47

Out: 246.362+/-0.032 χ^2/NDF:7800164.9/54

All: 245.114+/-0.023 χ^2/NDF: 14886586.8/10

diff_targ_thetaY_mean vs Slug, Sign Corrected



Right In: 0.055+/-0.078 χ^2/NDF: 15.7/24

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.146+/-0.078 χ^2/NDF: 37.9/29

Left In: 0.009+/-0.083 χ^2/NDF:15.2/22

Left: 0.043+/-0.059 χ^2/NDF: 34.6/47

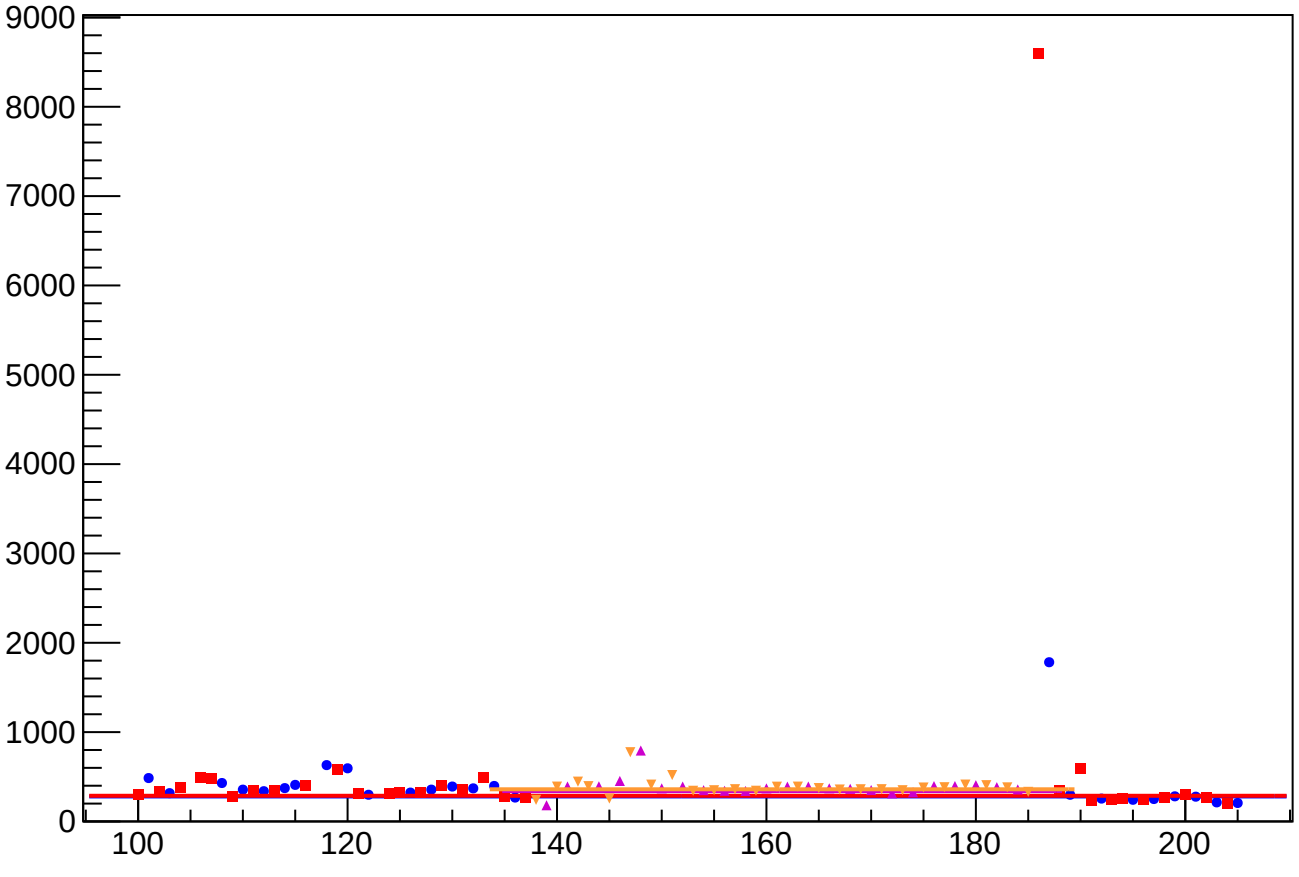
Right: 0.101+/-0.055 χ^2/NDF: 54.3/54

In: 0.033+/-0.057 χ^2/NDF:31.1/47

Out: 0.115+/-0.057 χ^2/NDF:57.2/54

All: 0.074+/-0.040 χ^2/NDF: 89.4/102

diff_targ_thetaY_rms vs Slug, Sign Corrected



Right In: 279.891+/-0.055 χ^2/NDF: 1959751.2/24

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 287.353+/-0.055 χ^2/NDF: 2267956.0/29

Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

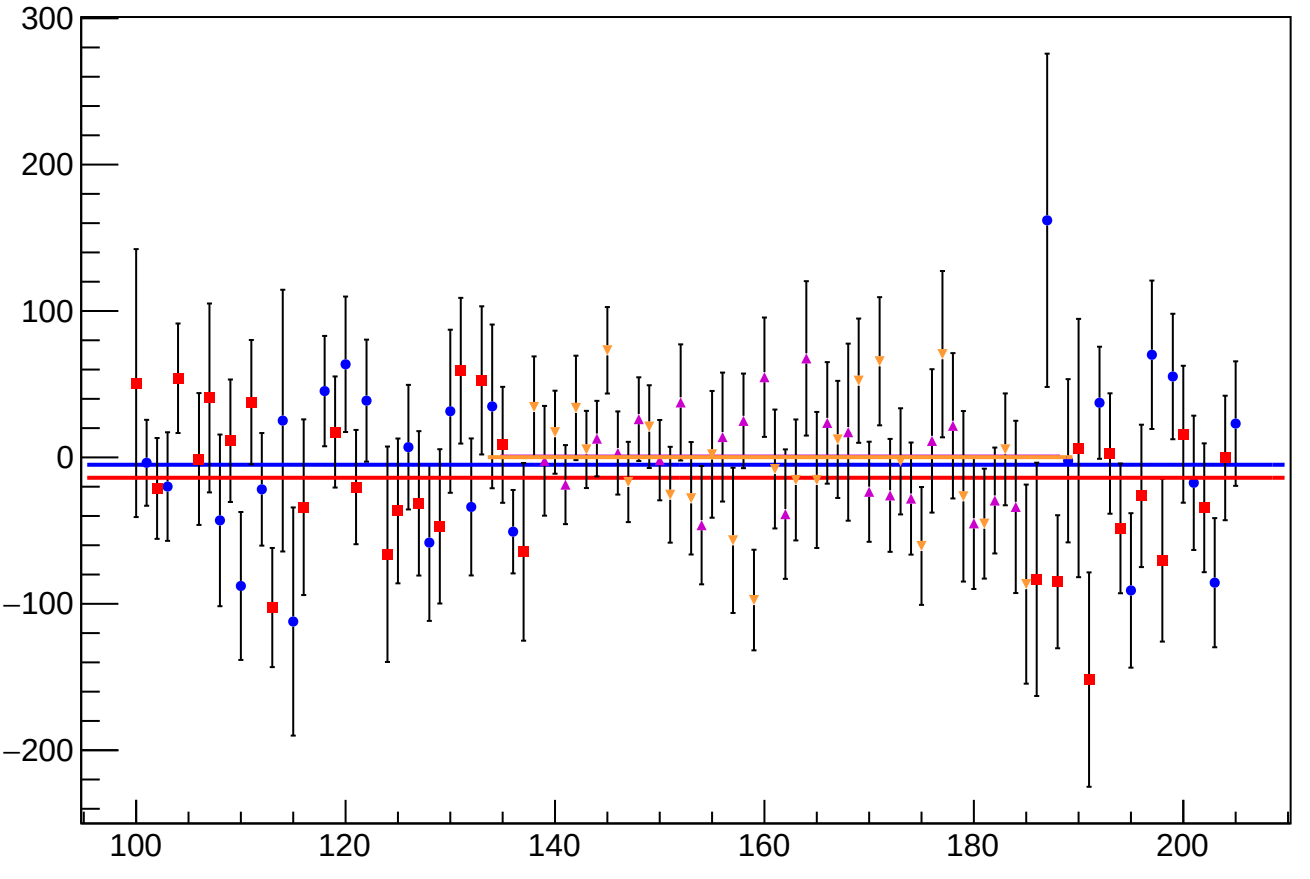
Left: 349.842+/-0.042 χ^2/NDF: 3622132.3/47

Right: 283.647+/-0.039 χ^2/NDF: 4236845.4/54

In: 308.277+/-0.040 χ^2/NDF:4741423.4/47

Out: 320.773+/-0.040 χ^2/NDF:4410200.6/54

All: 314.495+/-0.029 χ^2/NDF: 9199625.2/102



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

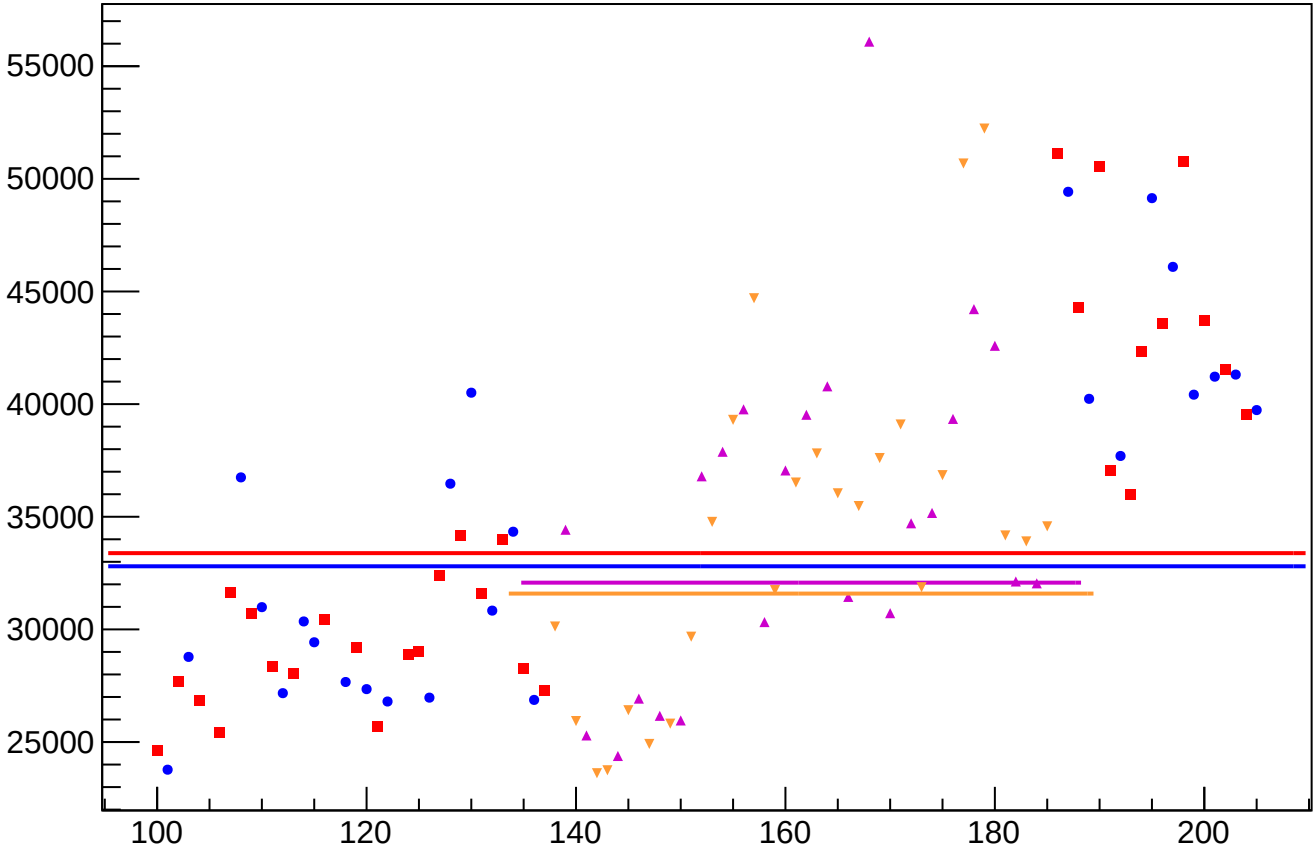
Right: -9.591+/-6.249 χ^2/NDF: 57.6/54

In: -1.780+/-5.828 χ^2/NDF:42.6/47

Out: -5.707+/-5.629 χ^2/NDF:60.2/54

All: -3.812+/-4.049 χ^2/NDF: 103.0/102

diff_bpmE_rms vs Slug, Sign Corrected



Right In: 32801.373+/-6.342 χ^2/NDF: 1254625.7/24

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33385.159+/-6.161 χ^2/NDF: 1331142.4/29

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

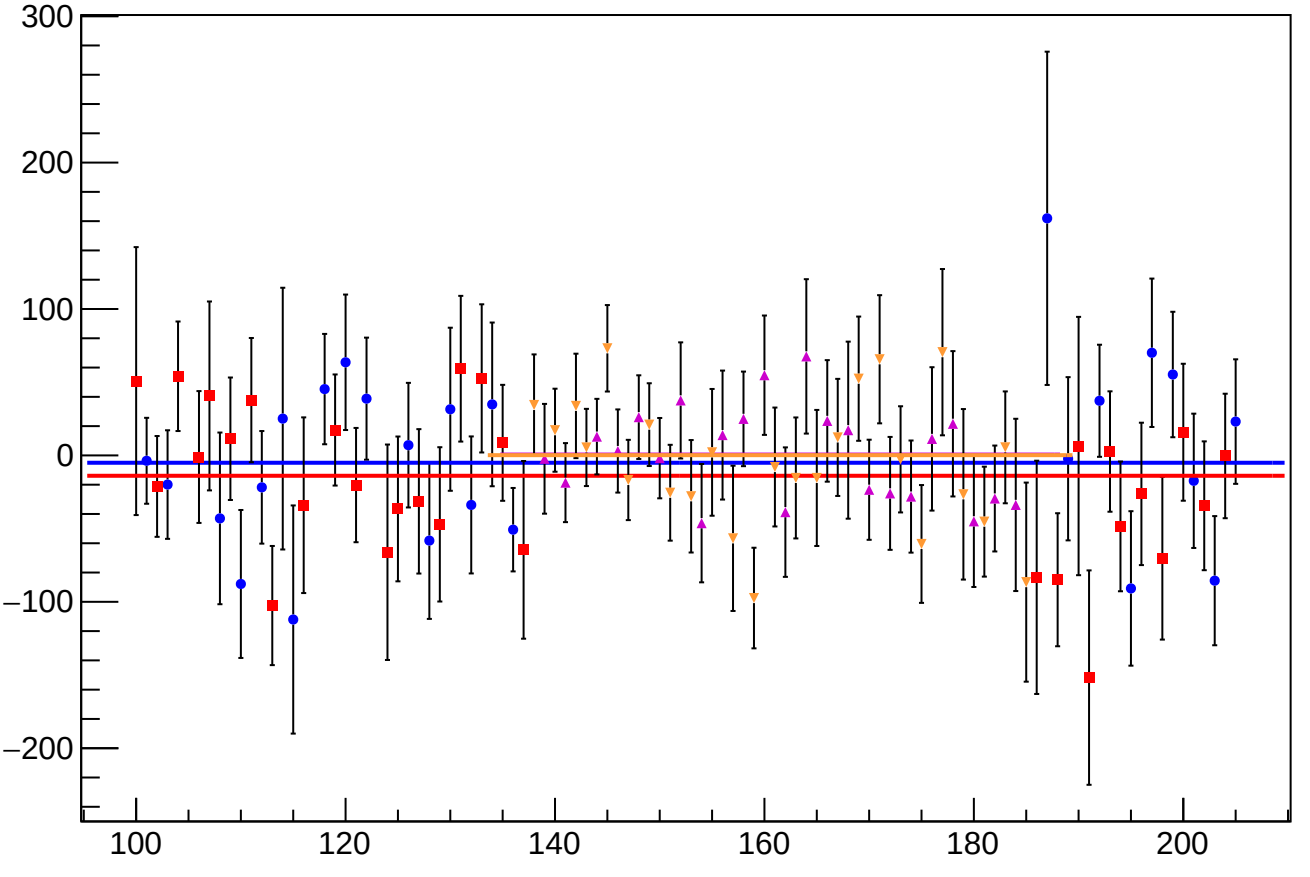
Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

Right: 33101.676+/-4.419 χ^2/NDF: 2590127.5/54

In: 32381.755+/-4.121 χ^2/NDF:2717918.7/47

Out: 32339.141+/-3.980 χ^2/NDF:2971478.5/54

All: 32359.710+/-2.863 χ^2/NDF: 5689452.6/1



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

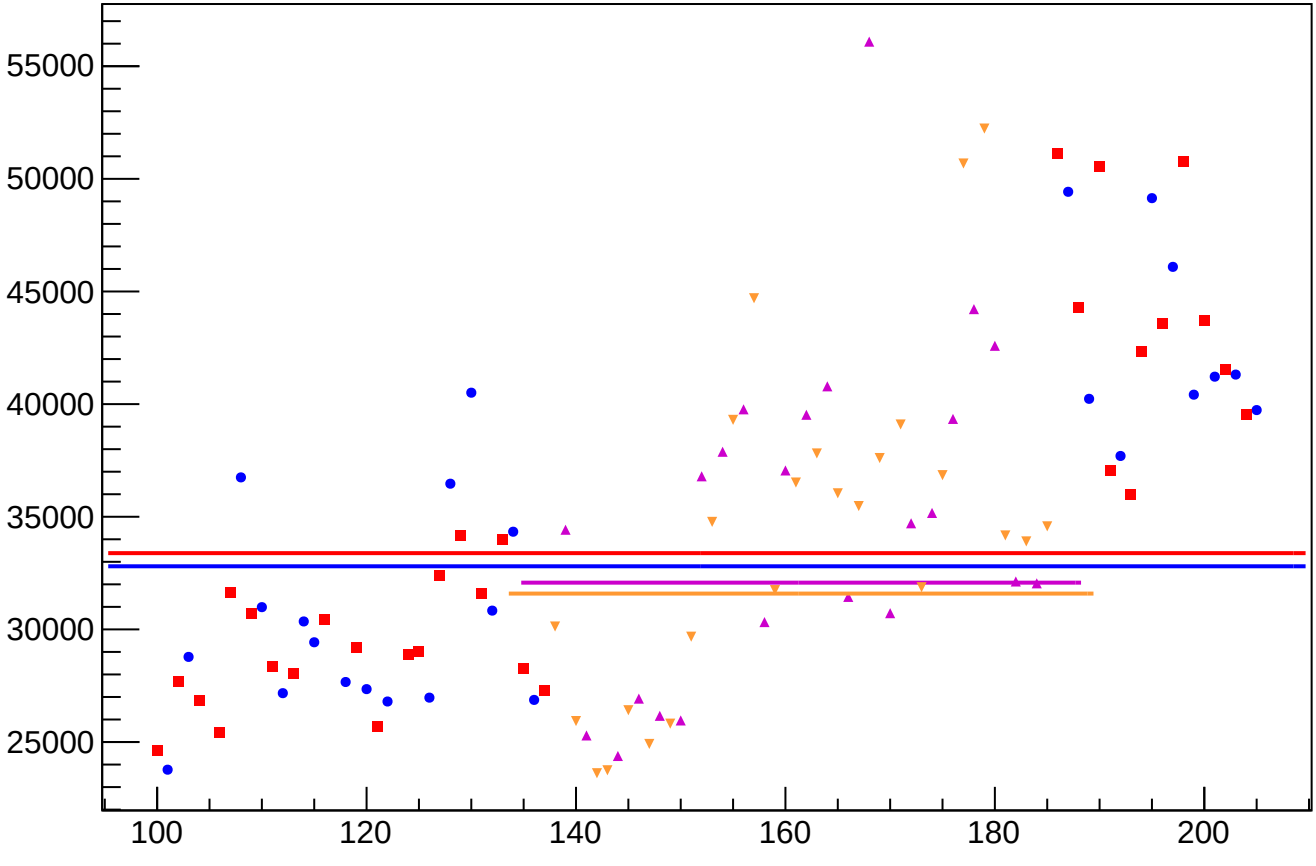
Right: -9.591+/-6.249 χ^2/NDF: 57.6/54

In: -1.780+/-5.828 χ^2/NDF:42.6/47

Out: -5.707+/-5.629 χ^2/NDF:60.2/54

All: -3.812+/-4.049 χ^2/NDF: 103.0/102

diff_bpmEX_rms vs Slug, Sign Corrected



Right In: 32801.373+/-6.342 χ^2/NDF: 1254625.7/24

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33385.159+/-6.161 χ^2/NDF: 1331142.4/29

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

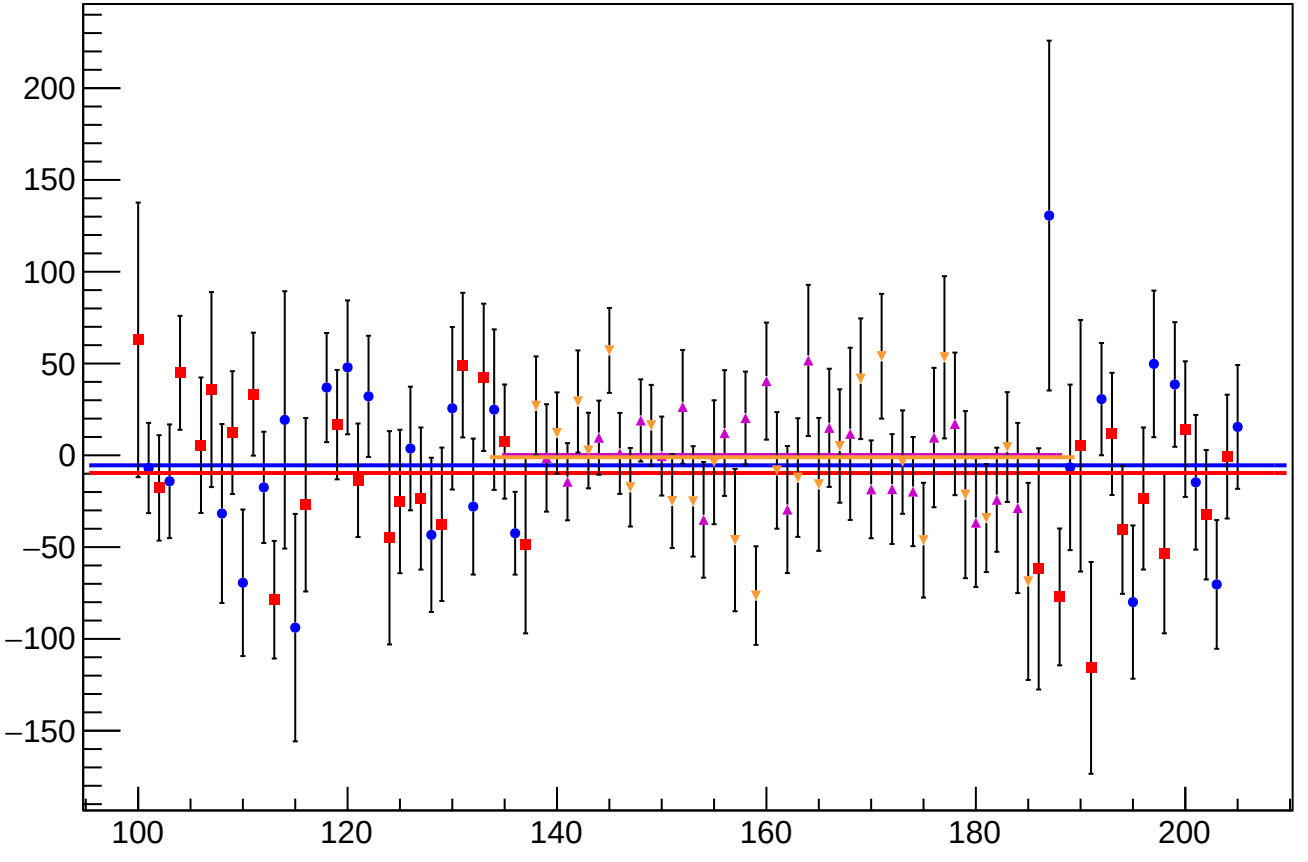
Right: 33101.676+/-4.419 χ^2/NDF: 2590127.5/54

In: 32381.755+/-4.121 χ^2/NDF:2717918.7/47

Out: 32339.141+/-3.980 χ^2/NDF:2971478.5/54

All: 32359.710+/-2.863 χ^2/NDF: 5689452.6/1

diff_bpmE_11X12X_mean vs Slug, Sign Corrected



Right In: -5.446+/-7.169 χ^2/NDF: 29.7/24

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

Right Out: -9.642+/-6.963 χ^2/NDF: 29.2/29

Left In: 0.147+/-5.985 χ^2/NDF:12.1/22

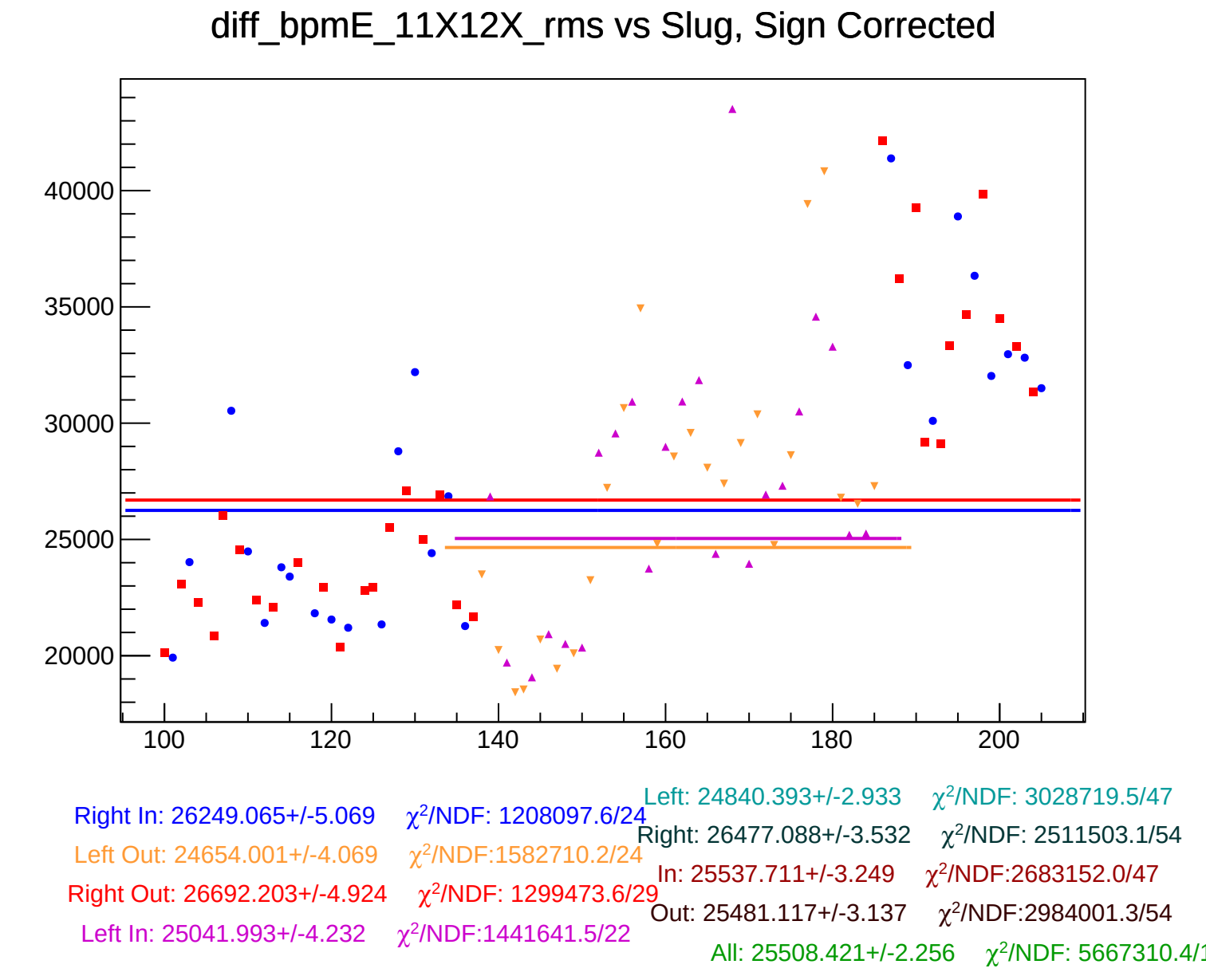
Left: -0.471+/-4.148 χ^2/NDF: 44.5/47

Right: -7.605+/-4.995 χ^2/NDF: 59.1/54

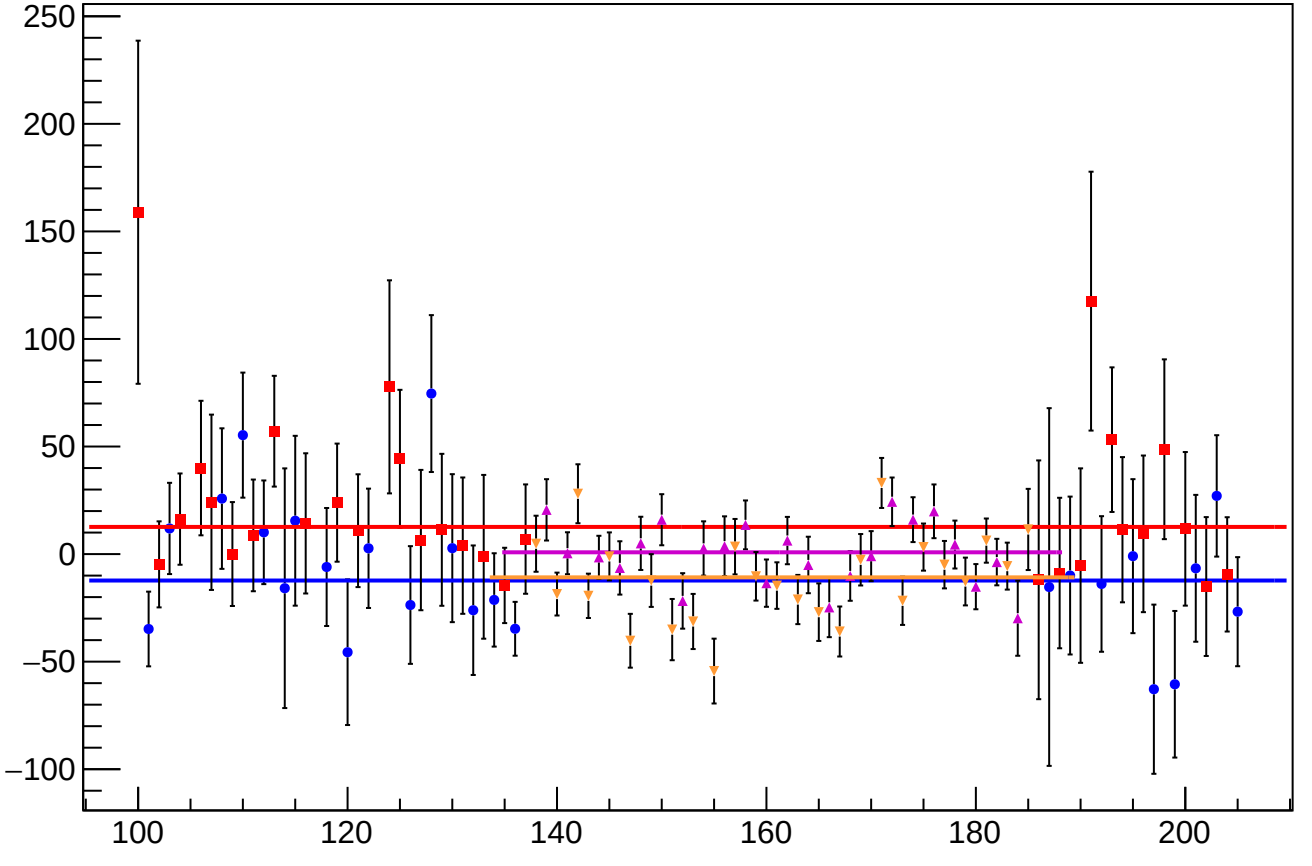
In: -2.150+/-4.594 χ^2/NDF:42.2/47

Out: -4.532+/-4.436 χ^2/NDF:62.5/54

All: -3.383+/-3.191 χ^2/NDF: 104.8/102


diff_bpmE_11X12X_rms vs Slug, Sign Corrected
40000
35000
30000
25000
20000
100
120
140
160
180
200
Right In: 26249.065+/-5.069 χ²/NDF: 1208097.6/24
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 26692.203+/-4.924 χ²/NDF: 1299473.6/29
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
Left: 24840.393+/-2.933 χ²/NDF: 3028719.5/47
Right: 26477.088+/-3.532 χ²/NDF: 2511503.1/54
In: 25537.711+/-3.249 χ²/NDF:2683152.0/47
Out: 25481.117+/-3.137 χ²/NDF:2984001.3/54
All: 25508.421+/-2.256 χ²/NDF: 5667310.4/1

diff_bpm4aesumX_mean vs Slug, Sign Corrected



Right In: -12.289+/-5.403 χ^2/NDF: 28.1/24

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

Right Out: 12.629+/-5.529 χ^2/NDF: 21.3/29

Left In: 0.826+/-2.457 χ^2/NDF:29.4/22

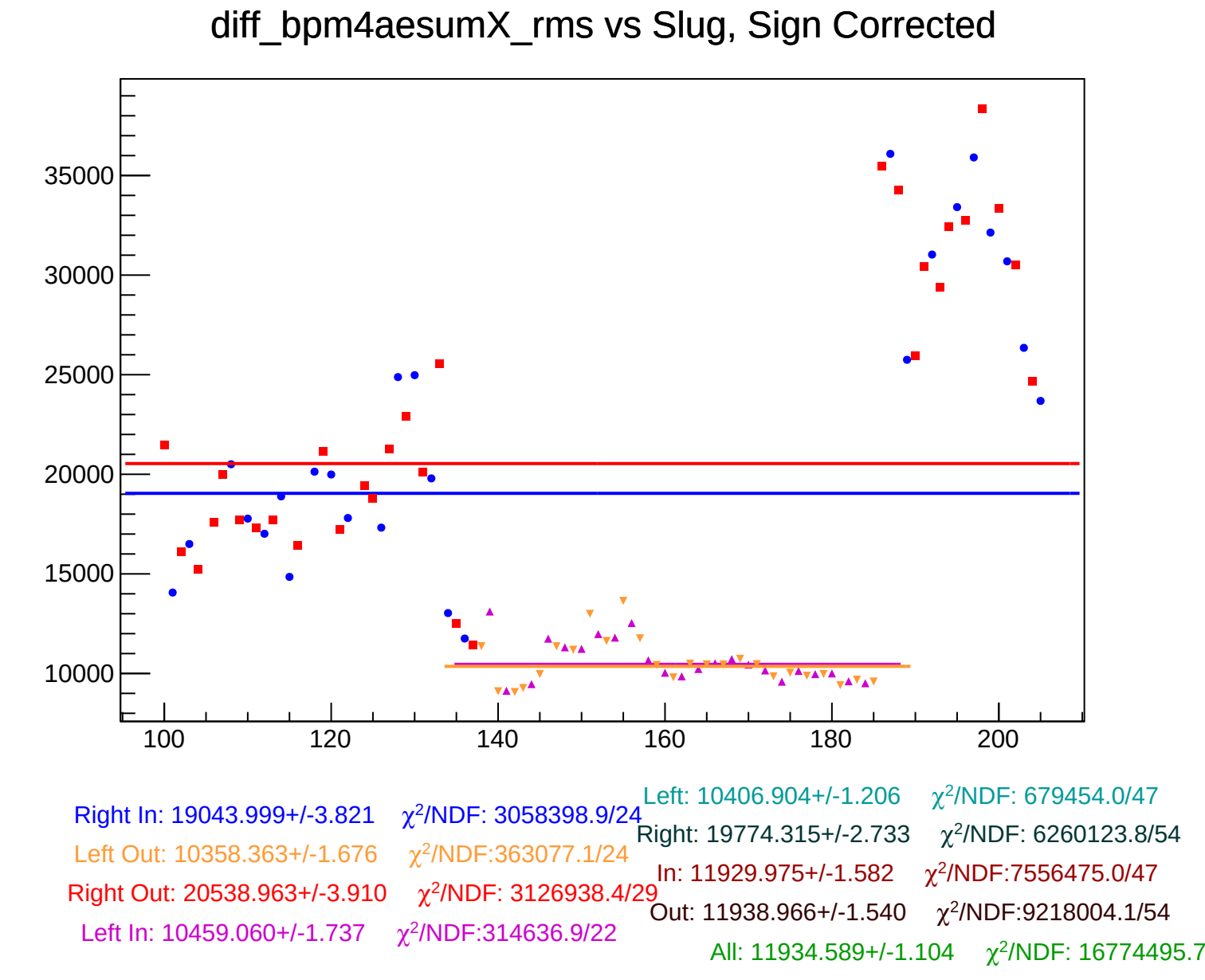
Left: -5.207+/-1.706 χ^2/NDF: 102.3/47

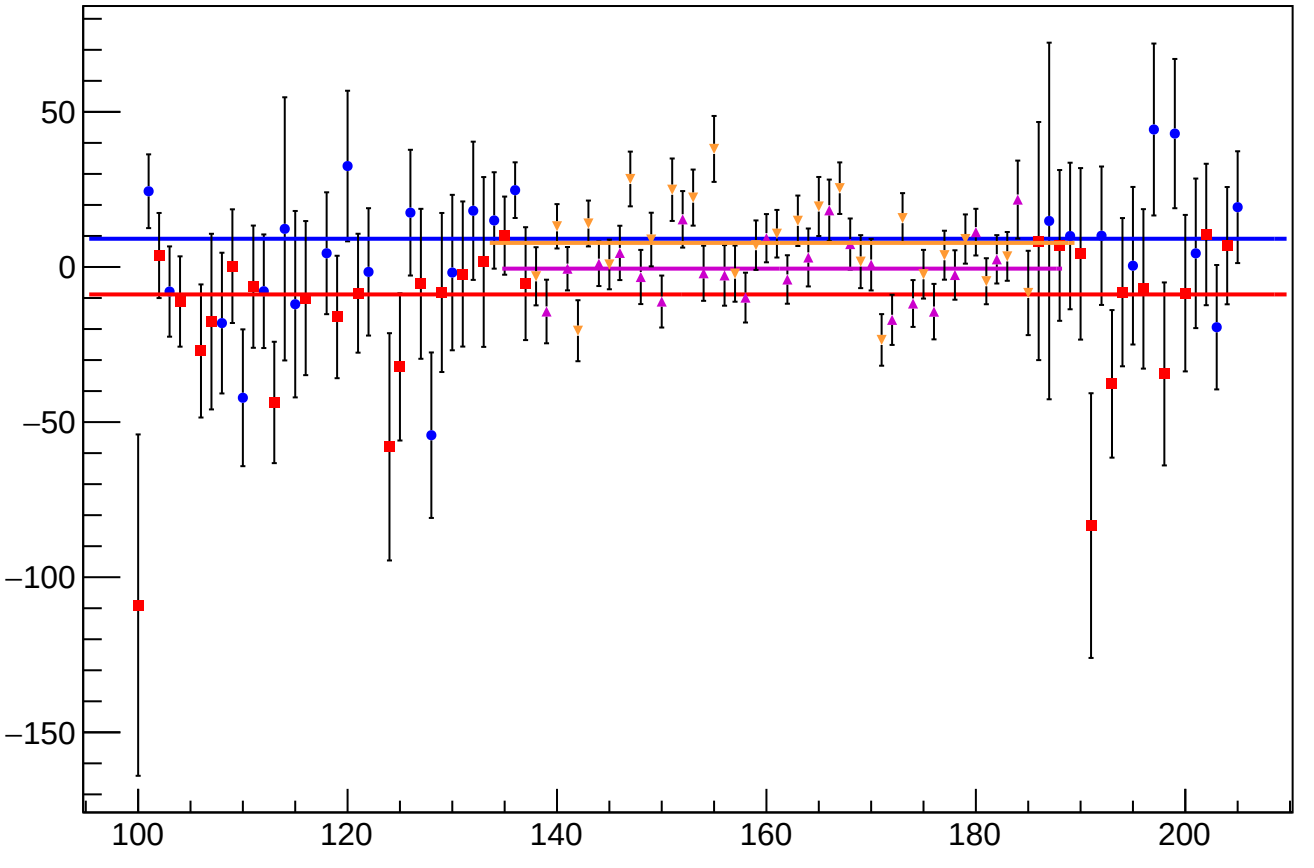
Right: -0.116+/-3.864 χ^2/NDF: 59.8/54

In: -1.421+/-2.237 χ^2/NDF:62.4/47

Out: -7.181+/-2.179 χ^2/NDF:97.7/54

All: -4.377+/-1.561 χ^2/NDF: 163.6/102


diff_bpm4aesumX_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 19043.999+/-3.821 χ²/NDF: 3058398.9/24
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 20538.963+/-3.910 χ²/NDF: 3126938.4/29
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
Left: 10406.904+/-1.206 χ²/NDF: 679454.0/47
Right: 19774.315+/-2.733 χ²/NDF: 6260123.8/54
In: 11929.975+/-1.582 χ²/NDF:7556475.0/47
Out: 11938.966+/-1.540 χ²/NDF:9218004.1/54
All: 11934.589+/-1.104 χ²/NDF: 16774495.7



Right In: 9.101+/-3.861 χ^2/NDF: 27.9/24

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: -8.846+/-3.958 χ^2/NDF: 21.4/29

Left In: -0.532+/-1.752 χ^2/NDF:29.4/22

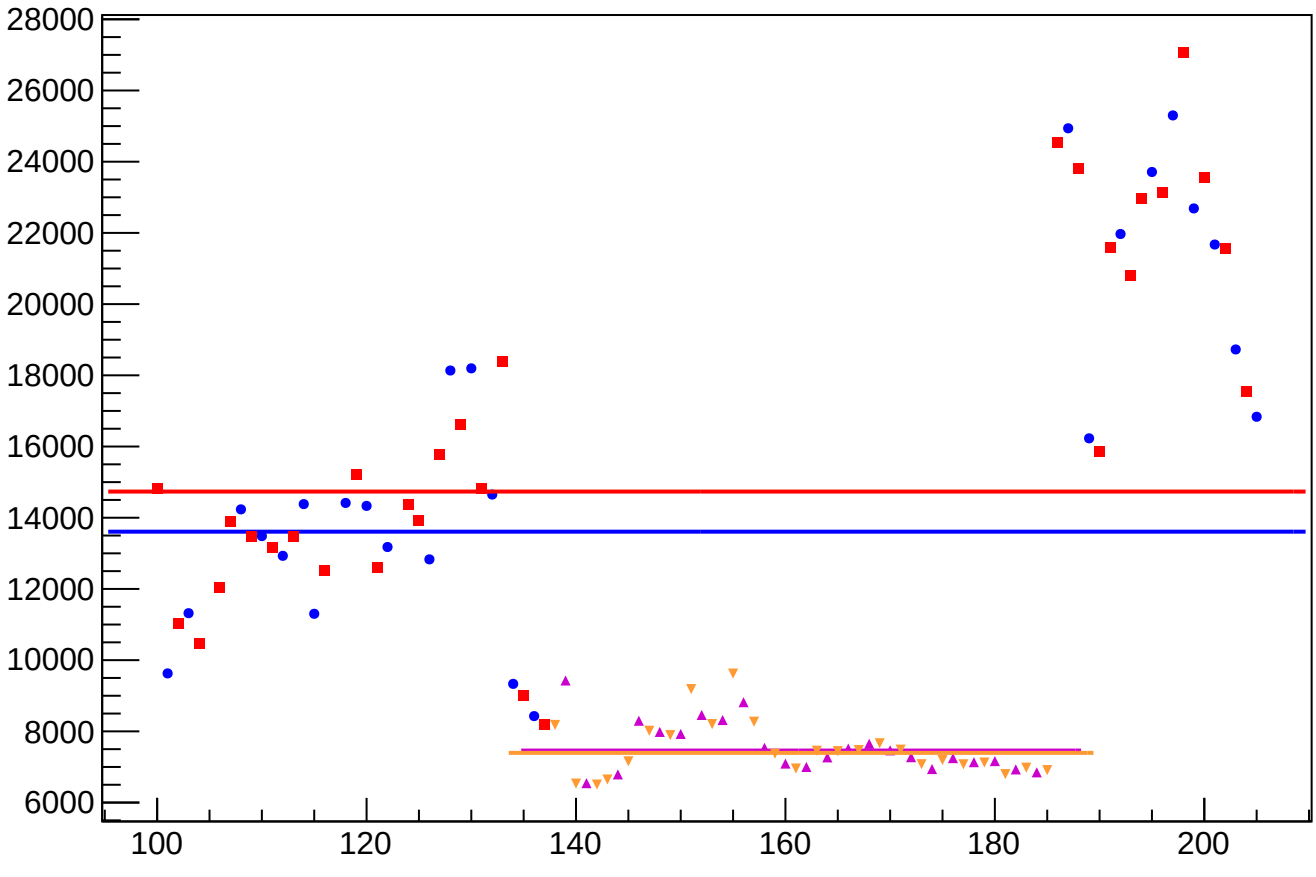
Left: 3.761+/-1.217 χ^2/NDF: 102.0/47

Right: 0.352+/-2.764 χ^2/NDF: 59.9/54

In: 1.113+/-1.595 χ^2/NDF:62.6/47

Out: 5.199+/-1.555 χ^2/NDF:97.2/54

All: 3.208+/-1.114 χ^2/NDF: 163.2/102



Right In: 13608.451+/-2.730 χ^2/NDF: 3005538.6/24

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14735.047+/-2.799 χ^2/NDF: 3014262.7/29

Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

Left: 7427.101+/-0.860 χ^2/NDF: 609926.1/47

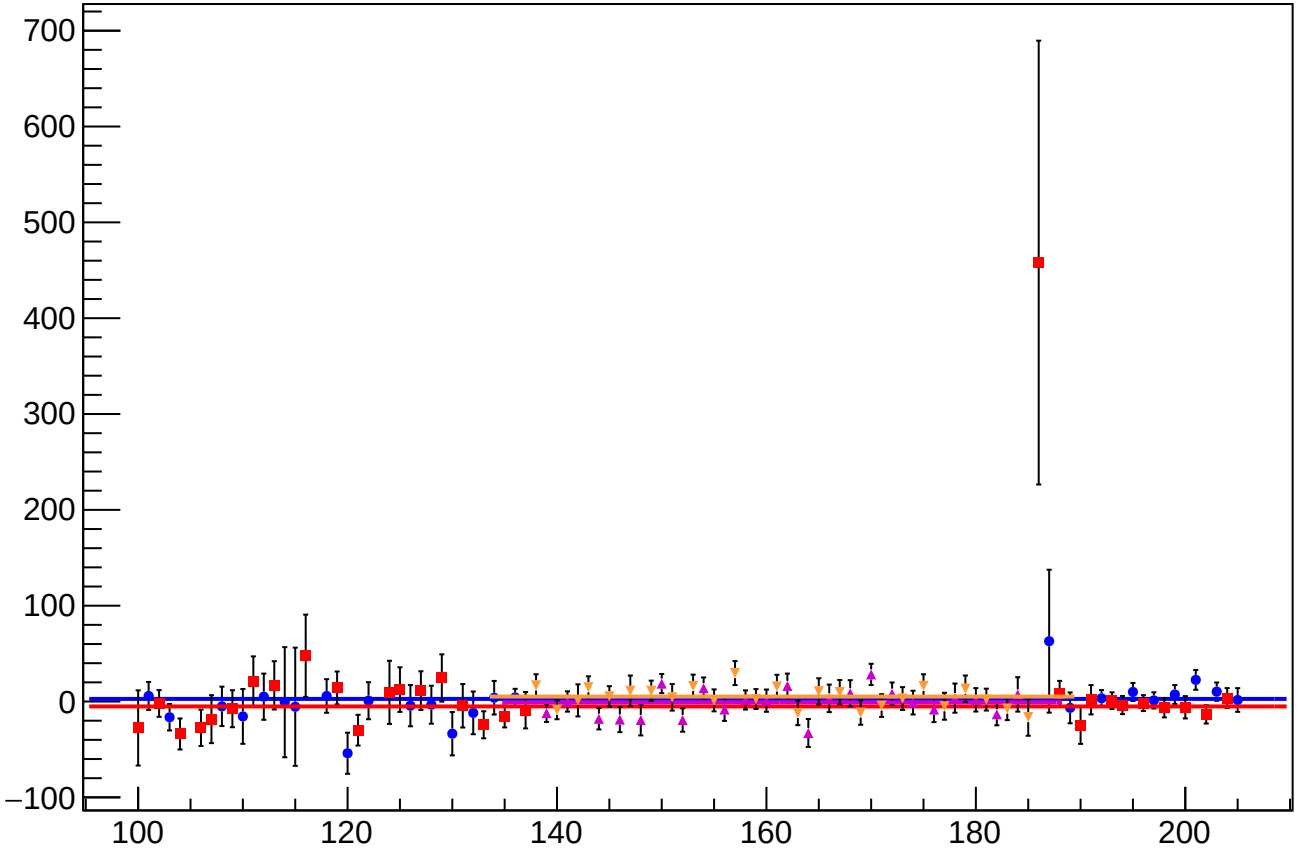
Right: 14157.668+/-1.954 χ^2/NDF: 6102826.7/54

In: 8510.616+/-1.128 χ^2/NDF:7494831.6/47

Out: 8528.861+/-1.100 χ^2/NDF:9152613.5/54

All: 8519.970+/-0.788 χ^2/NDF: 16647579.2/1

diff_bpm4aesumY_mean vs Slug, Sign Corrected



Right In: 2.733+/-2.793 χ^2/NDF: 19.0/24

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: -5.126+/-2.668 χ^2/NDF: 26.1/29

Left In: -0.891+/-2.519 χ^2/NDF:31.8/22

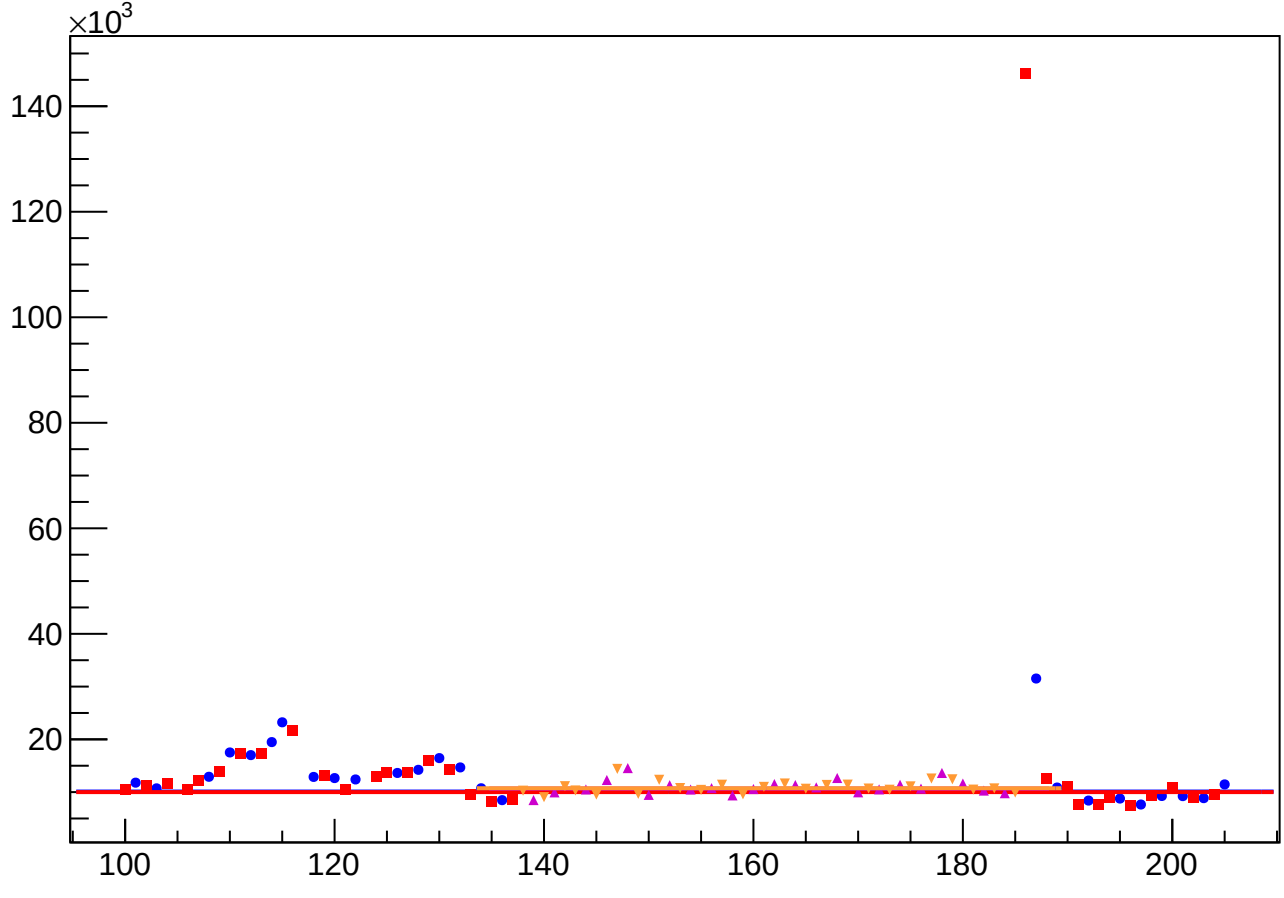
Left: 2.216+/-1.759 χ^2/NDF: 53.2/47

Right: -1.375+/-1.929 χ^2/NDF: 49.2/54

In: 0.734+/-1.870 χ^2/NDF:51.7/47

Out: 0.446+/-1.808 χ^2/NDF:52.5/54

All: 0.585+/-1.300 χ^2/NDF: 104.3/102



Right In: 10106.831+/-1.975 χ^2/NDF: 1609392.1/24

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10001.743+/-1.887 χ^2/NDF: 2290958.4/29

Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

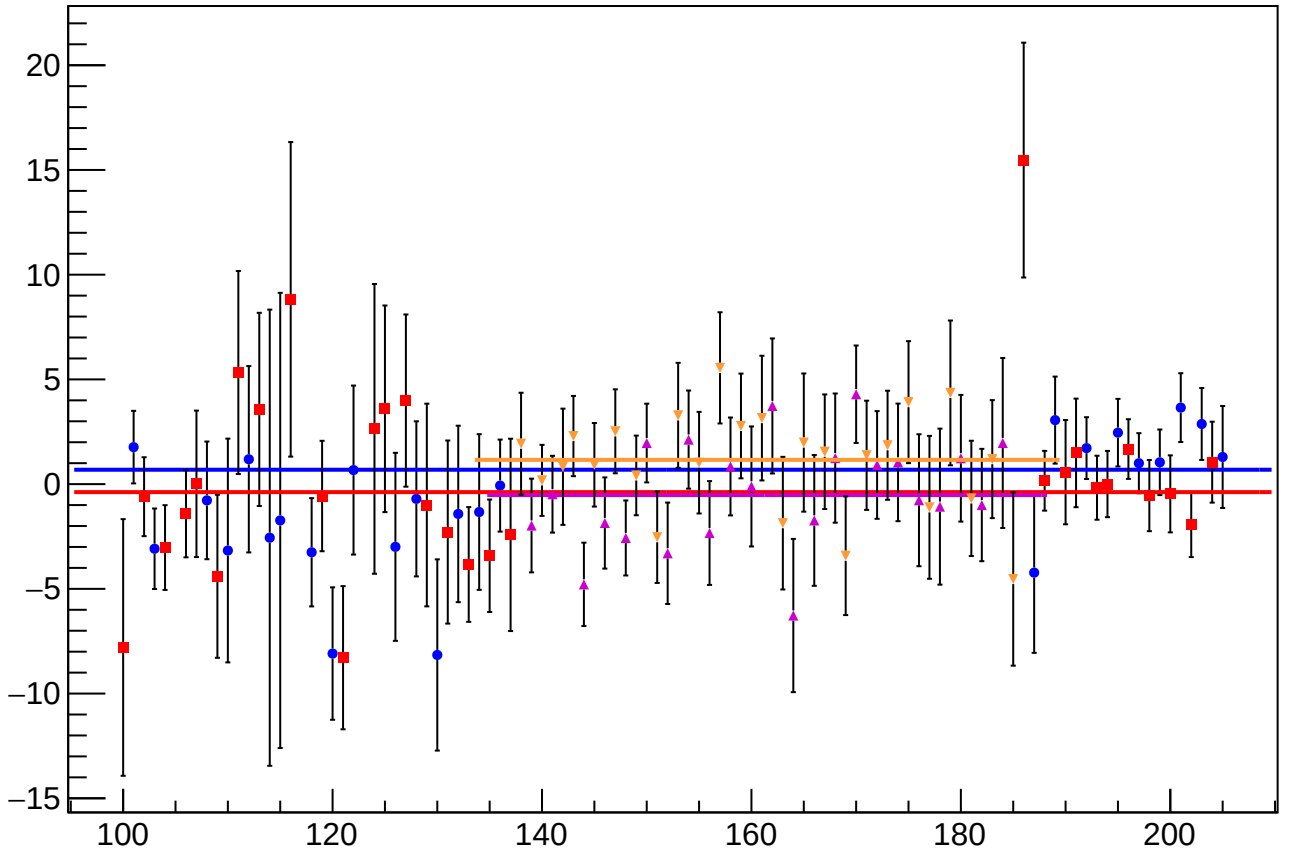
Left: 10706.122+/-1.244 χ^2/NDF: 869370.9/47

Right: 10051.894+/-1.364 χ^2/NDF: 3901830.9/54

In: 10421.363+/-1.323 χ^2/NDF:2155965.5/47

Out: 10397.599+/-1.279 χ^2/NDF:2740631.2/54

All: 10409.080+/-0.919 χ^2/NDF: 4896763.6/1



Right In: 0.687+/-0.468 χ^2/NDF: 30.1/24

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: -0.382+/-0.435 χ^2/NDF: 31.3/29

Left In: -0.522+/-0.520 χ^2/NDF:22.3/22

Left: 0.350+/-0.360 χ^2/NDF: 44.6/47

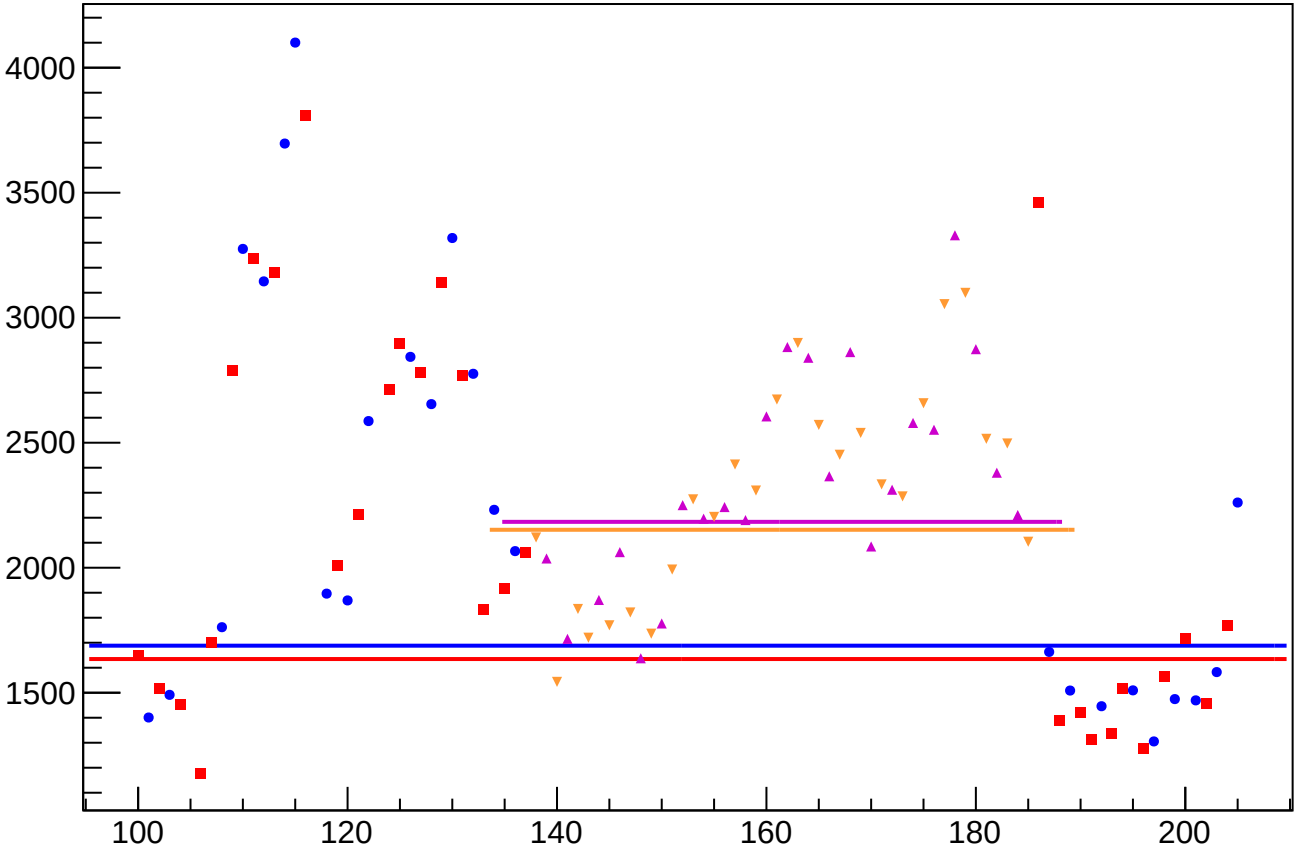
Right: 0.114+/-0.319 χ^2/NDF: 64.2/54

In: 0.146+/-0.348 χ^2/NDF:55.4/47

Out: 0.281+/-0.328 χ^2/NDF:53.5/54

All: 0.217+/-0.239 χ^2/NDF: 109.0/102

diff_bpm4aediffY_rms vs Slug, Sign Corrected



Right In: 1688.182+/-0.331 χ^2/NDF: 1939478.0/24

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1634.748+/-0.307 χ^2/NDF: 2291849.5/29

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

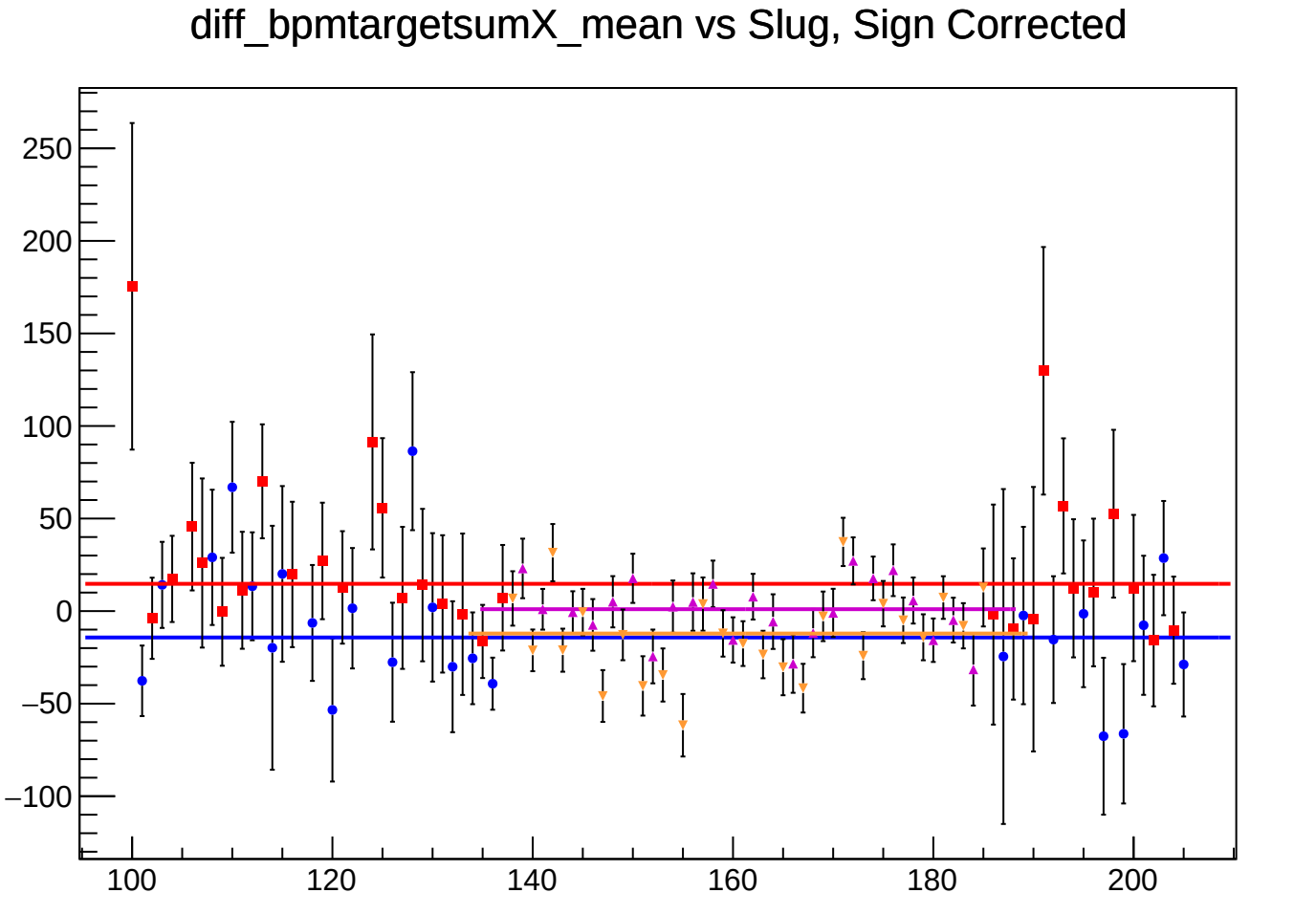
Left: 2167.006+/-0.255 χ^2/NDF: 2515672.1/47

Right: 1659.506+/-0.225 χ^2/NDF: 4245319.8/54

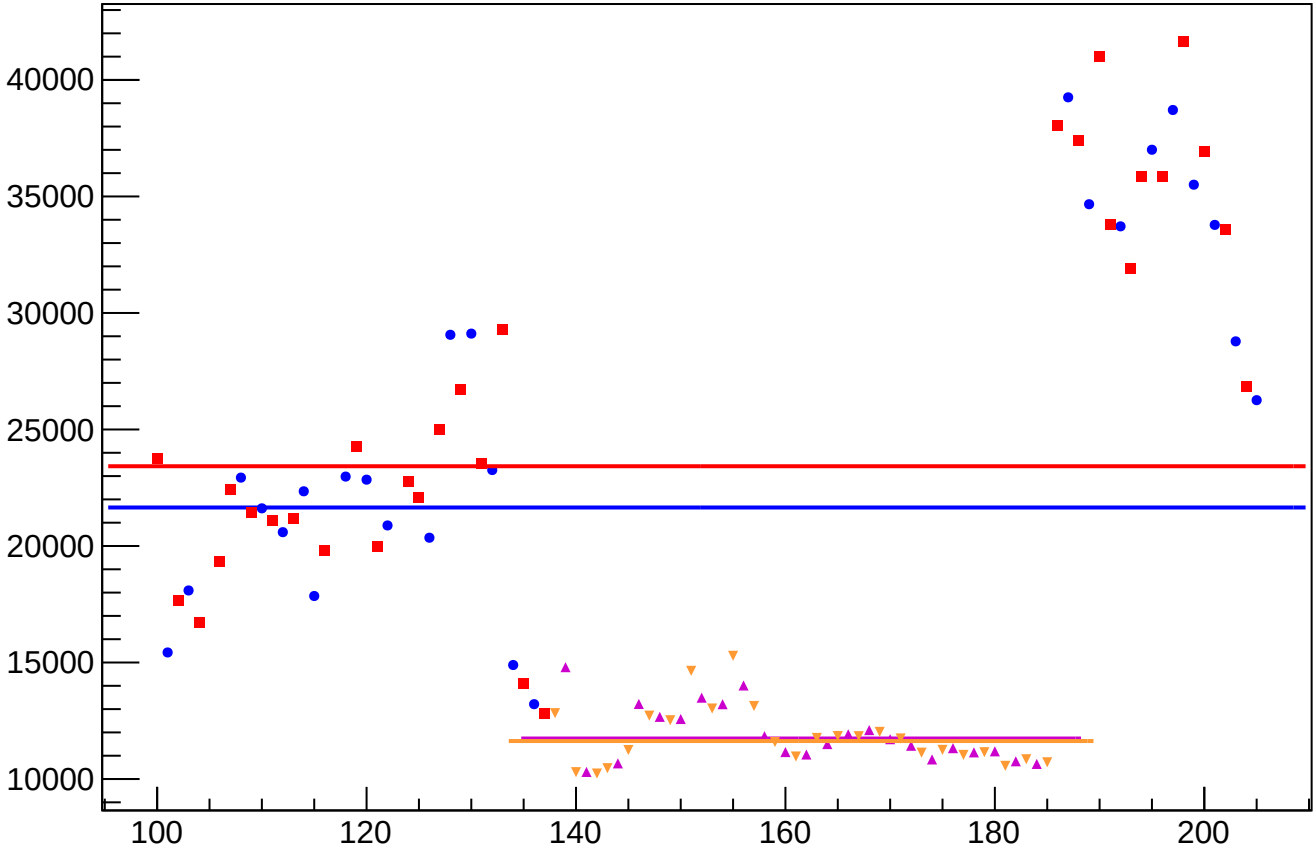
In: 1909.896+/-0.246 χ^2/NDF:4104536.0/47

Out: 1857.324+/-0.232 χ^2/NDF:4858524.8/54

All: 1882.082+/-0.169 χ^2/NDF: 8987235.0/10


diff_bpmtargetsumX_mean vs Slug, Sign Corrected
250
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -14.255+/-6.133 χ²/NDF: 27.8/24
Left Out: -12.135+/-2.661 χ²/NDF:62.6/24
Right Out: 14.733+/-6.292 χ²/NDF: 21.4/29
Left In: 1.024+/-2.758 χ²/NDF:28.8/22
Left: -5.790+/-1.915 χ²/NDF: 103.2/47
Right: -0.132+/-4.392 χ²/NDF: 60.1/54
In: -1.546+/-2.515 χ²/NDF:61.7/47
Out: -8.058+/-2.451 χ²/NDF:99.5/54
All: -4.886+/-1.755 χ²/NDF: 164.7/102

diff_bpmtargetsumX_rms vs Slug, Sign Corrected



Right In: 21652.493+/-4.337 χ^2/NDF: 3025734.4/24

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 23422.611+/-4.449 χ^2/NDF: 3013905.7/29

Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

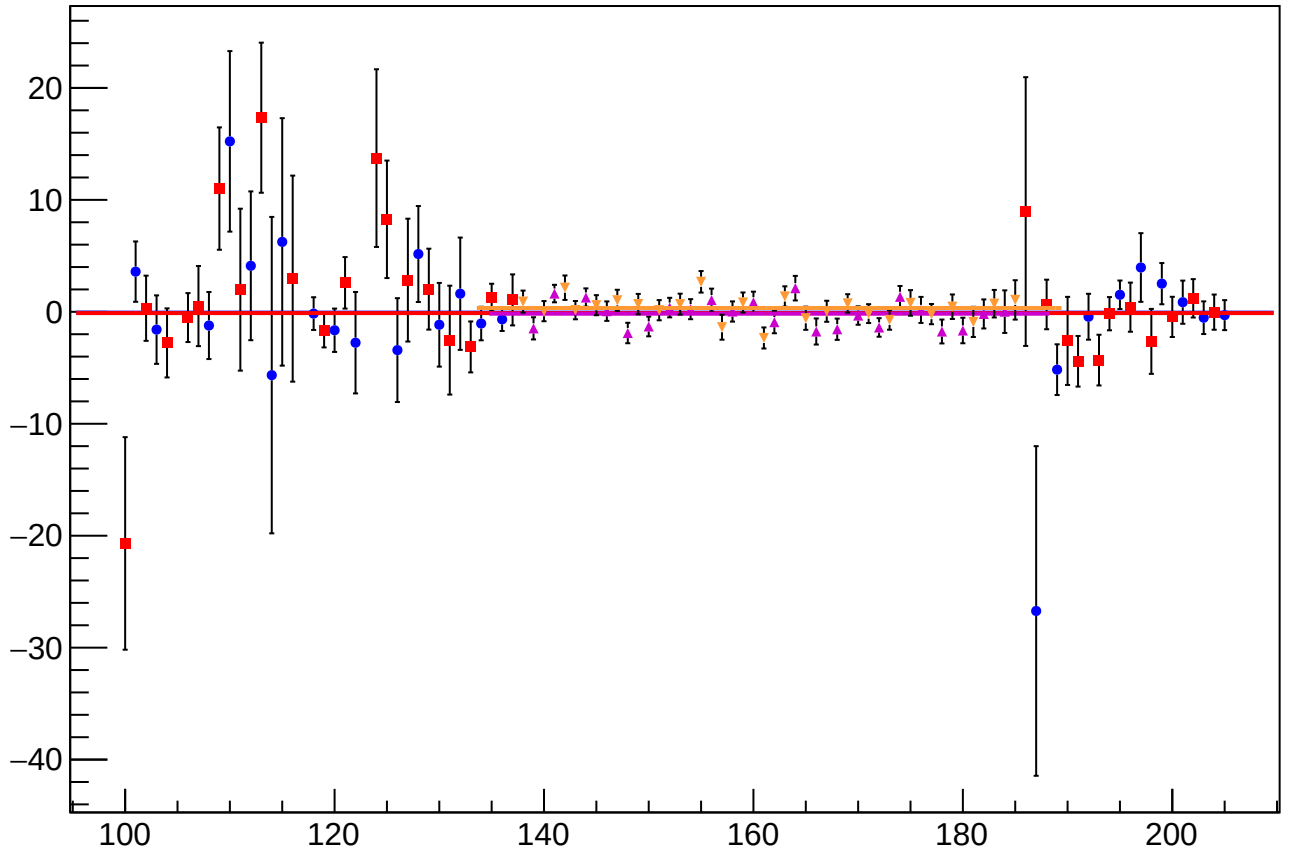
Left: 11682.361+/-1.354 χ^2/NDF: 671157.6/47

Right: 22514.885+/-3.105 χ^2/NDF: 6120815.2/54

In: 13405.699+/-1.778 χ^2/NDF:7686935.2/47

Out: 13419.524+/-1.733 χ^2/NDF:9329328.3/54

All: 13412.790+/-1.241 χ^2/NDF: 17016294.5/



Right In: -0.074+/-0.425 χ^2/NDF: 24.7/24

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -0.114+/-0.448 χ^2/NDF: 38.5/29

Left In: -0.165+/-0.201 χ^2/NDF:36.3/22

Left: 0.098+/-0.139 χ^2/NDF: 66.4/47

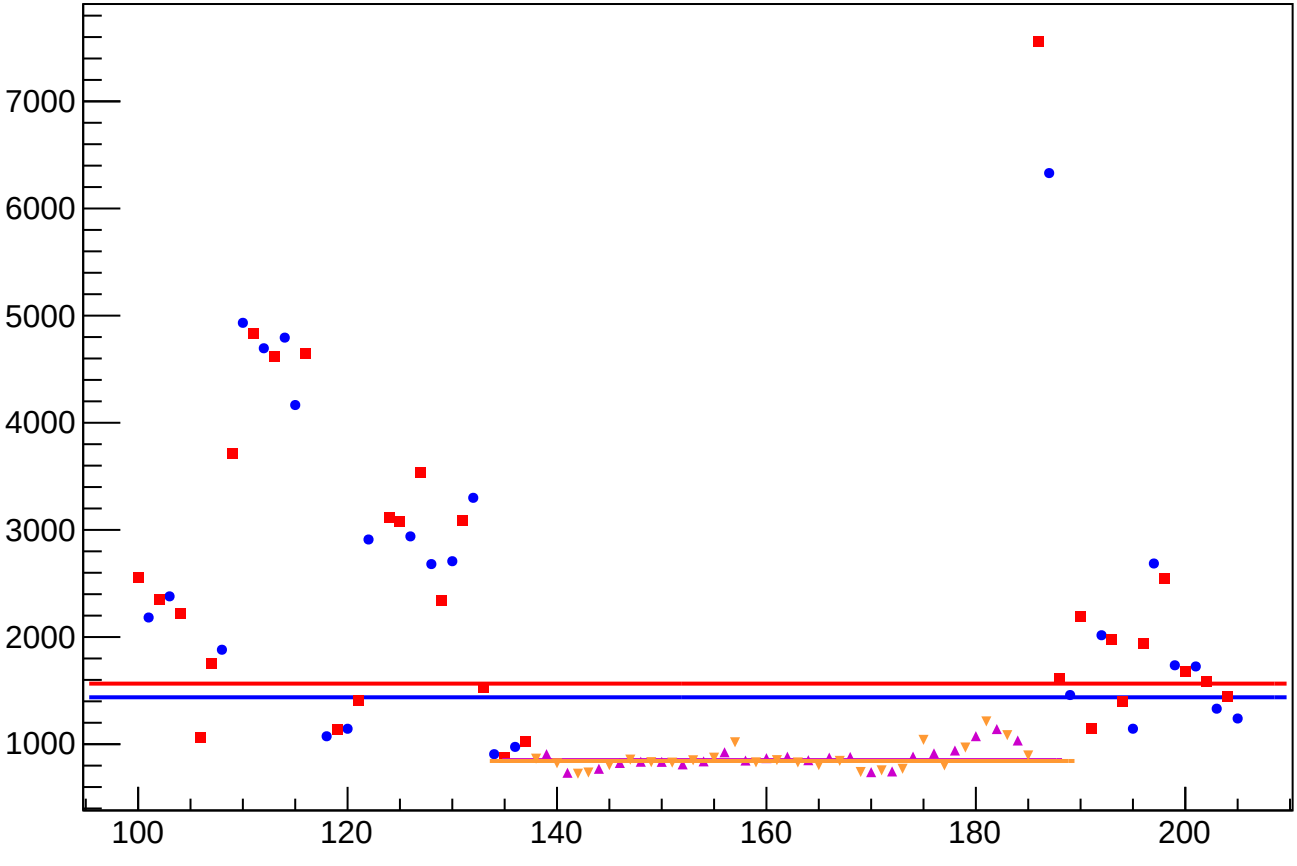
Right: -0.093+/-0.308 χ^2/NDF: 63.2/54

In: -0.148+/-0.182 χ^2/NDF:61.1/47

Out: 0.271+/-0.178 χ^2/NDF:66.1/54

All: 0.066+/-0.127 χ^2/NDF: 129.9/102

diff_bpmtargetdiffX_rms vs Slug, Sign Corrected



Right In: 1437.746+/-0.301 χ^2/NDF: 4361378.8/24

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1565.288+/-0.317 χ^2/NDF: 4451295.9/29

Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

Left: 847.291+/-0.099 χ^2/NDF: 889453.1/47

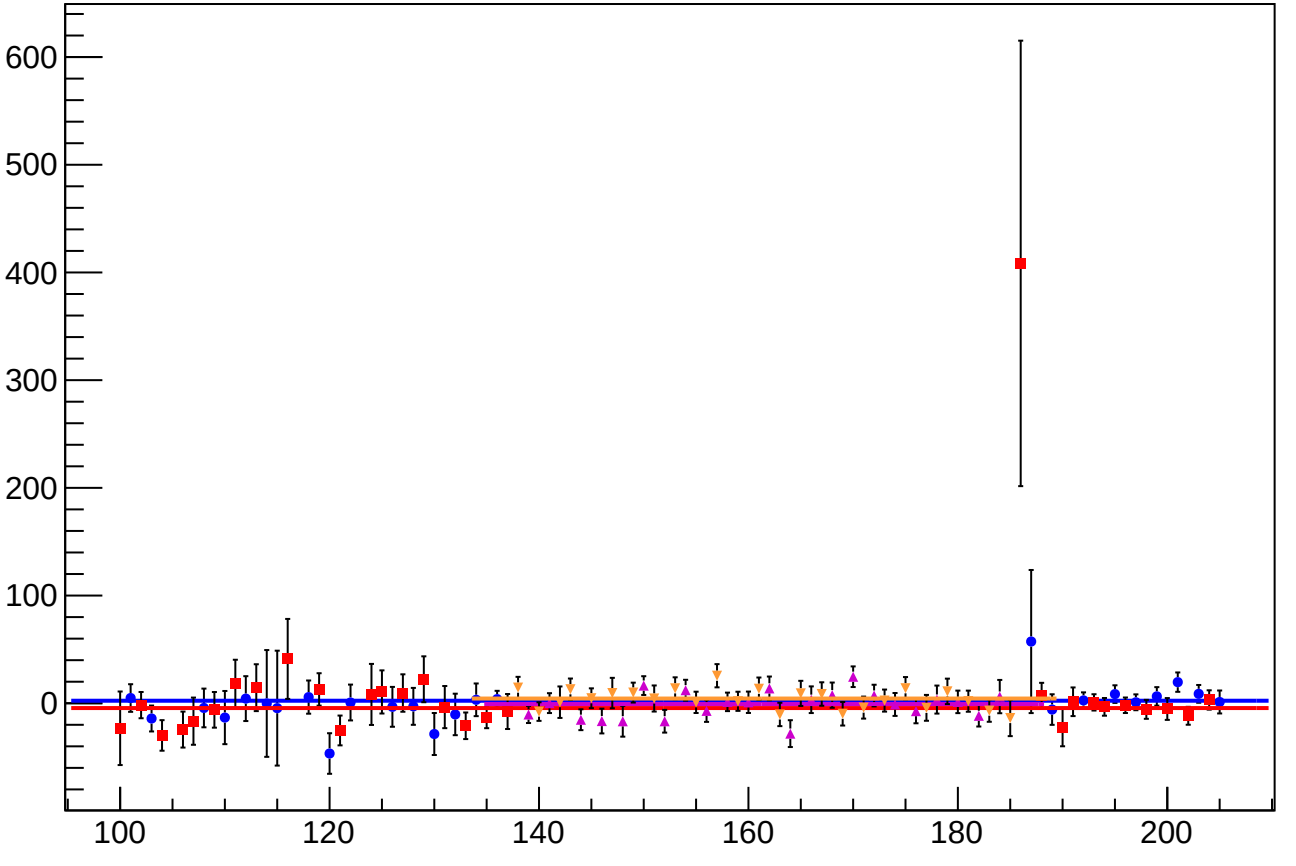
Right: 1498.259+/-0.218 χ^2/NDF: 8898002.6/54

In: 958.507+/-0.128 χ^2/NDF:7849430.1/47

Out: 957.195+/-0.126 χ^2/NDF:9338613.2/54

All: 957.837+/-0.090 χ^2/NDF: 17188096.6/10

diff_bpmtargetsumY_mean vs Slug, Sign Corrected



Right In: 2.343+/-2.423 χ^2/NDF: 18.6/24

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: -4.463+/-2.319 χ^2/NDF: 26.0/29

Left In: -0.734+/-2.171 χ^2/NDF:32.0/22

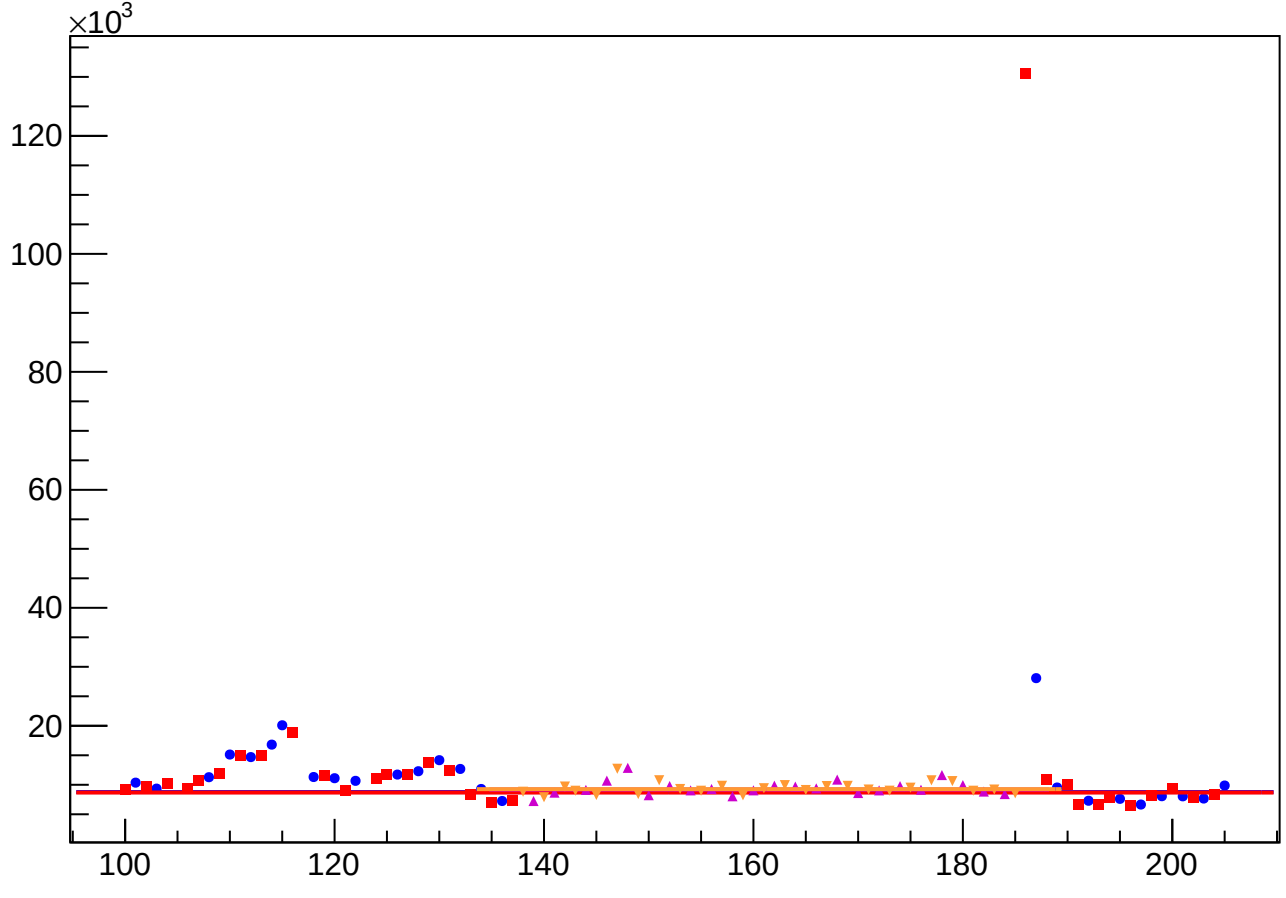
Left: 1.883+/-1.517 χ^2/NDF: 53.4/47

Right: -1.210+/-1.675 χ^2/NDF: 48.8/54

In: 0.636+/-1.617 χ^2/NDF:51.5/47

Out: 0.352+/-1.565 χ^2/NDF:52.5/54

All: 0.489+/-1.125 χ^2/NDF: 104.1/102



Right In: 8766.414+/-1.713 χ^2/NDF: 1617611.0/24

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8686.831+/-1.640 χ^2/NDF: 2297149.8/29

Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

Left: 9231.249+/-1.073 χ^2/NDF: 882403.7/47

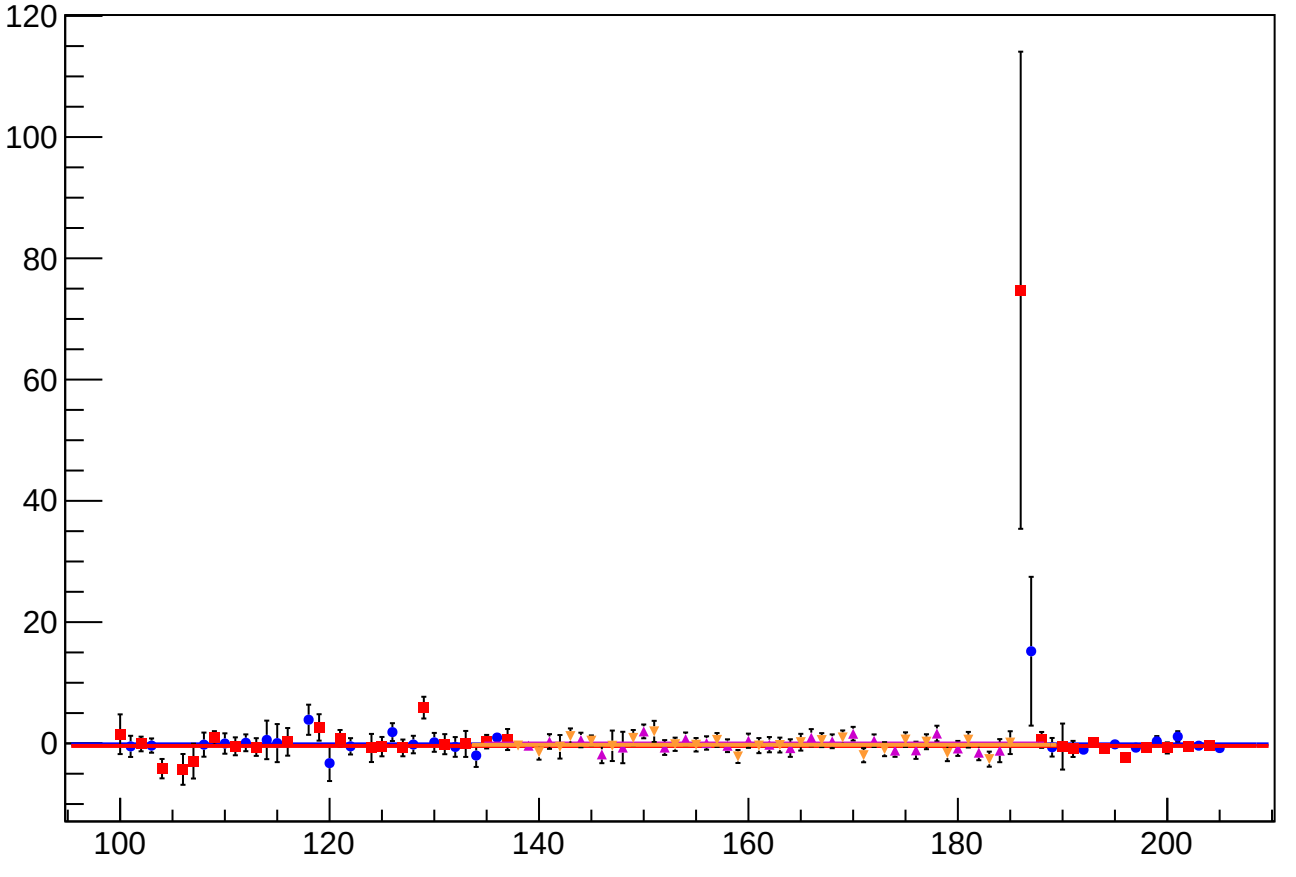
Right: 8724.869+/-1.185 χ^2/NDF: 3915887.0/54

In: 9006.720+/-1.143 χ^2/NDF:2168560.0/47

Out: 8999.639+/-1.107 χ^2/NDF:2730099.1/54

All: 9003.065+/-0.795 χ^2/NDF: 4898679.0/10

diff_bpmtargetdiffY_mean vs Slug, Sign Corrected



Right In: -0.160+/-0.226 χ^2/NDF: 15.7/24

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.420+/-0.225 χ^2/NDF: 37.9/29

Left In: -0.025+/-0.239 χ^2/NDF:15.2/22

Left: -0.125+/-0.171 χ^2/NDF: 34.6/47

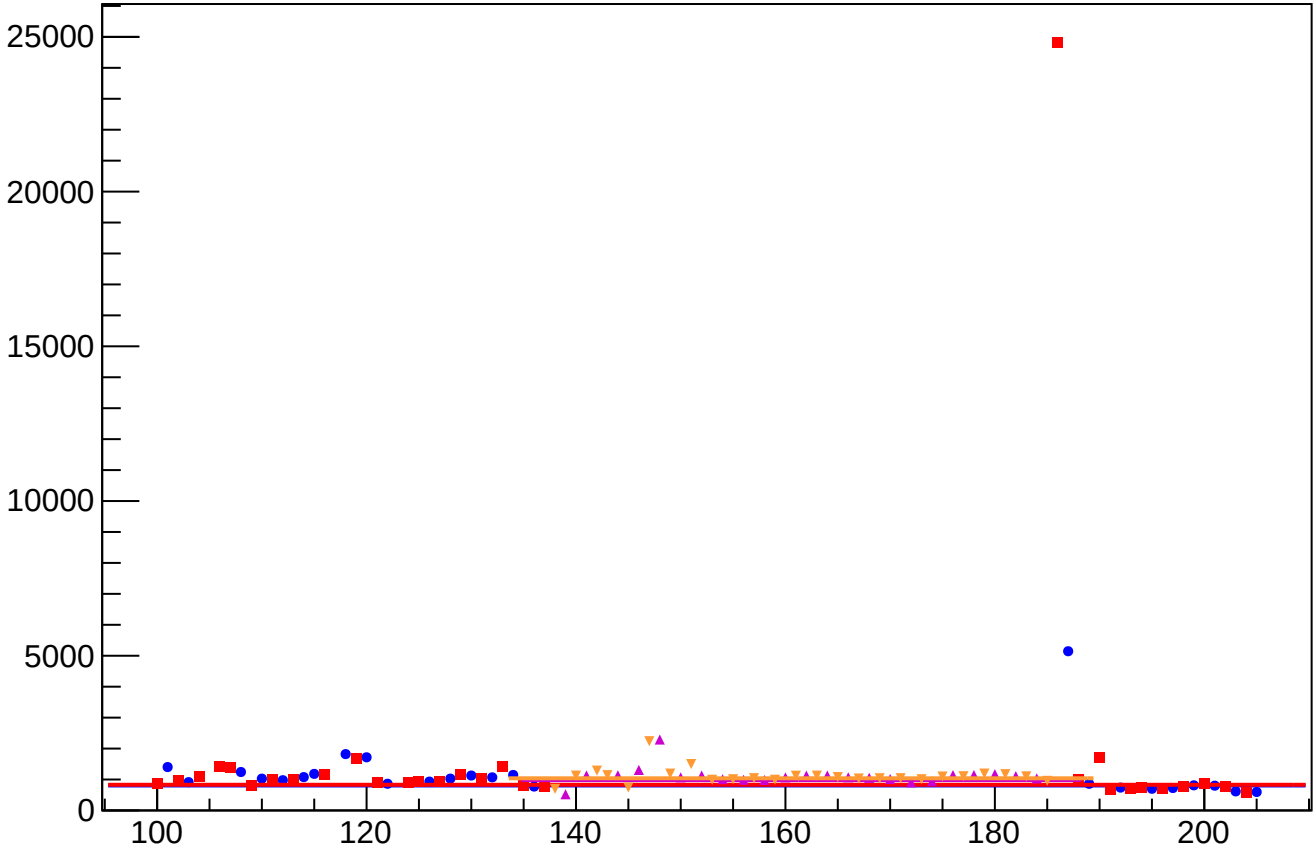
Right: -0.291+/-0.159 χ^2/NDF: 54.3/54

In: -0.096+/-0.164 χ^2/NDF:31.1/47

Out: -0.332+/-0.165 χ^2/NDF:57.2/54

All: -0.214+/-0.116 χ^2/NDF: 89.4/102

diff_bpmtargetdiffY_rms vs Slug, Sign Corrected



Right In: 808.079+/-0.160 χ^2/NDF: 1959751.2/24

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 829.622+/-0.159 χ^2/NDF: 2267956.0/29

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

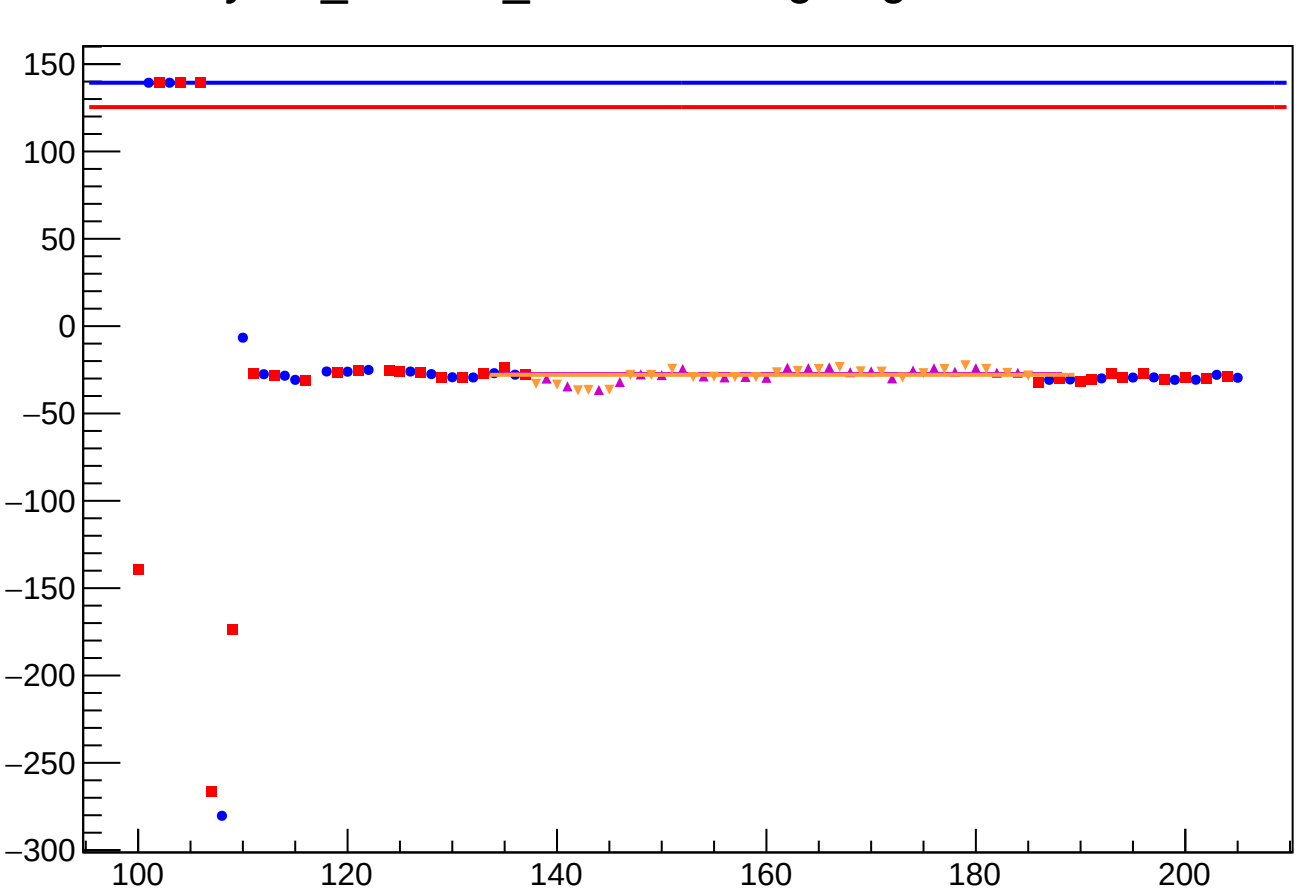
Left: 1010.035+/-0.121 χ^2/NDF: 3622132.3/47

Right: 818.921+/-0.113 χ^2/NDF: 4236845.4/54

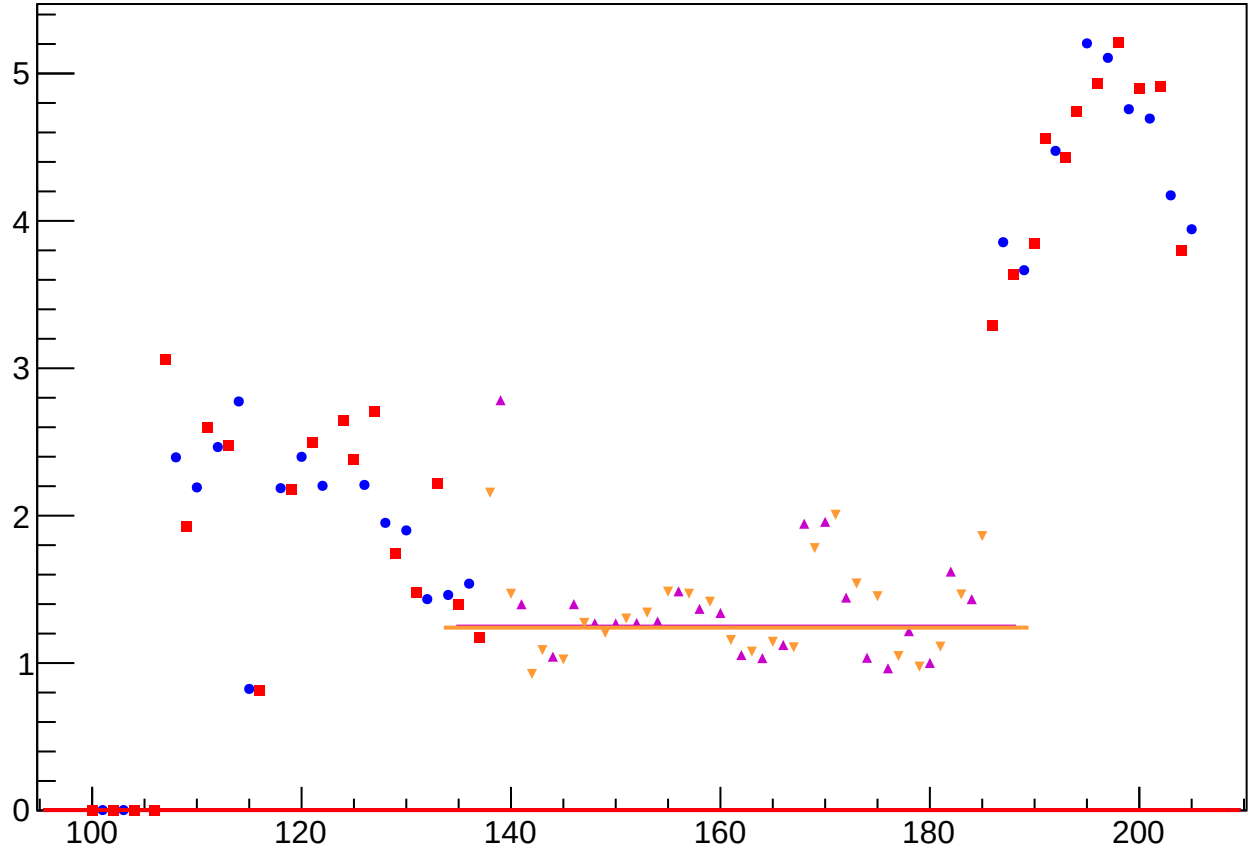
In: 890.031+/-0.116 χ^2/NDF:4741423.4/47

Out: 926.110+/-0.117 χ^2/NDF:4410200.6/54

All: 907.984+/-0.082 χ^2/NDF: 9199625.2/102


yield_cav4bX_mean vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
−200
−250
−300
100
120
140
160
180
200
Right In: 139.336+/-0.000 χ²/NDF: 56706944638.3/24
Left Out: -27.865+/-0.000 χ²/NDF:181586557.6/24
Right Out: 125.391+/-0.000 χ²/NDF: 774182980135348.1/29
Left In: -27.427+/-0.000 χ²/NDF:123181562.3/22
Left: -27.654+/-0.000 χ²/NDF: 305673778.0/47
Right: 131.818+/-0.000 χ²/NDF: 793024476425945
In: 139.328+/-0.000 χ²/NDF:311105855841.2/47
Out: 125.384+/-0.000 χ²/NDF:774413668402034.
All: 131.810+/-0.000 χ²/NDF: 79350688919

yield_cav4bX_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 22849705.8/24

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

Right Out: 0.003+/-0.000 χ^2/NDF: 25172795.3/29

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

Left: 1.244+/-0.000 χ^2/NDF: 2658093.9/47

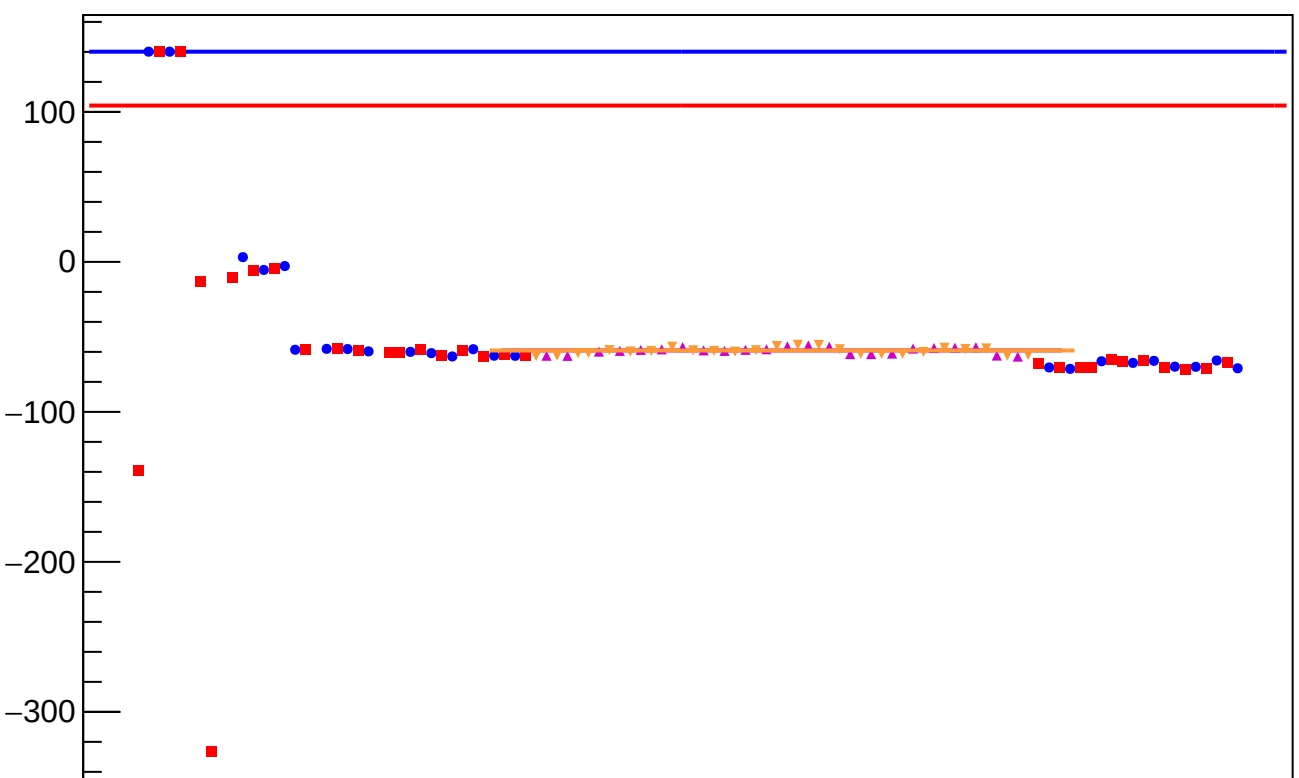
Right: 0.003+/-0.000 χ^2/NDF: 48022683.3/54

In: 0.003+/-0.000 χ^2/NDF:52615092.9/47

Out: 0.003+/-0.000 χ^2/NDF:56472779.5/54

All: 0.003+/-0.000 χ^2/NDF: 109088126.6/102

yield_cav4bY_mean vs Slug, Sign Corrected



Right In: 140.138+/-0.000 χ^2/NDF: 399401490280.2/24

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.219+/-0.000 χ^2/NDF: 1257573472964045.5/29

Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

Left: -59.043+/-0.000 χ^2/NDF: 356781901.8/47

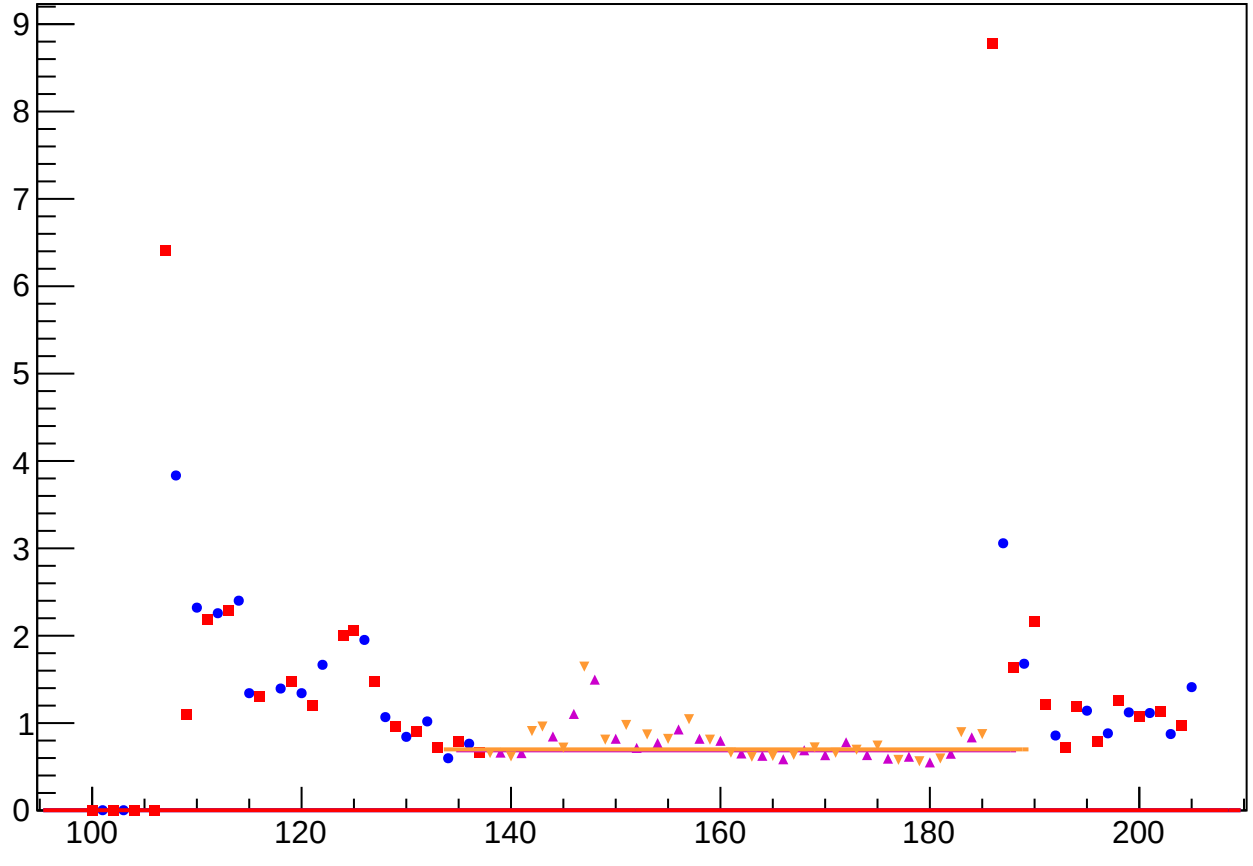
Right: 120.826+/-0.000 χ^2/NDF: 138127638775013

In: 140.102+/-0.000 χ^2/NDF:1674932503519.9/47

Out: 104.194+/-0.000 χ^2/NDF:1258445077314976

All: 120.796+/-0.000 χ^2/NDF: 13833744551

yield_cav4bY_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 21535779.3/24

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23574110.7/29

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

Left: 0.694+/-0.000 χ^2/NDF: 2468947.3/47

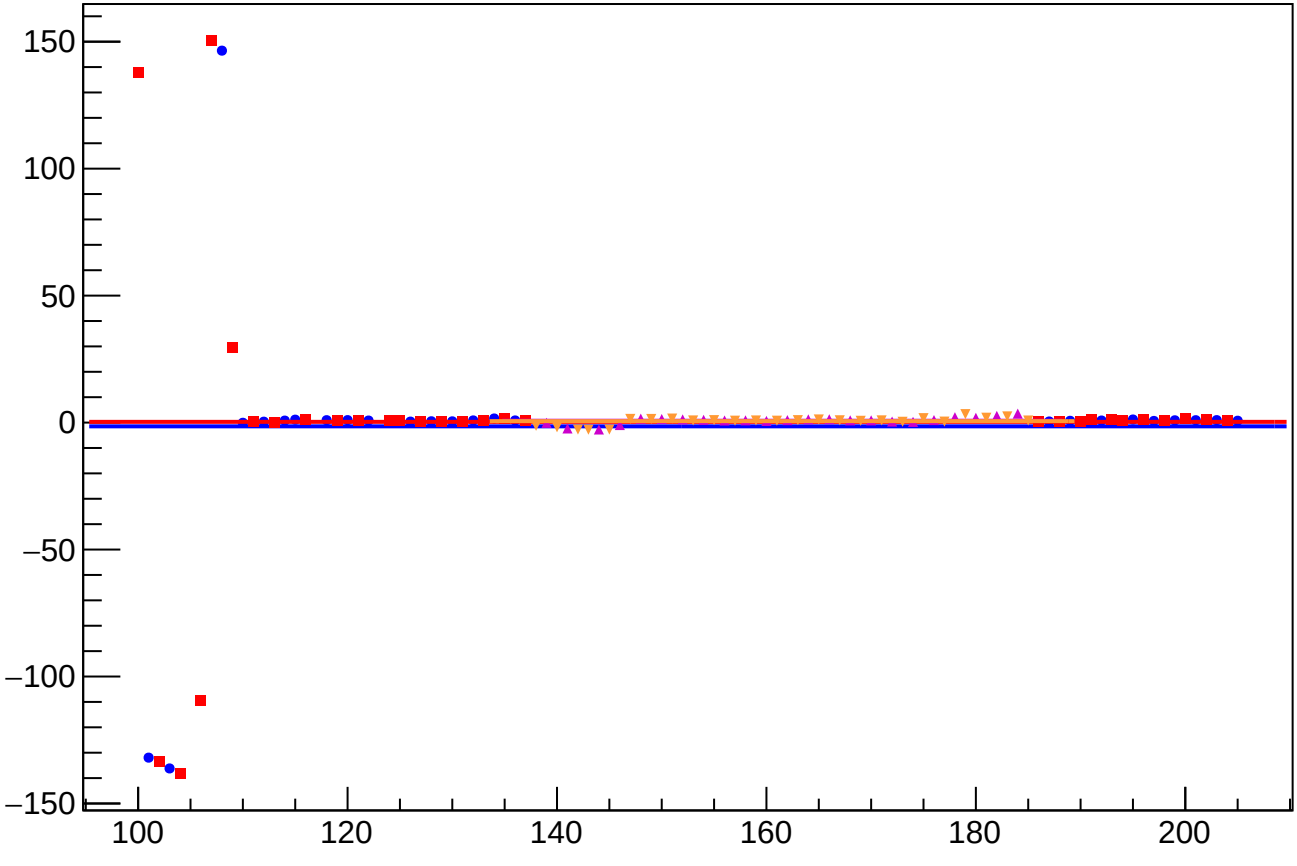
Right: 0.003+/-0.000 χ^2/NDF: 45110097.7/54

In: 0.003+/-0.000 χ^2/NDF:52840176.7/47

Out: 0.003+/-0.000 χ^2/NDF:56629715.8/54

All: 0.003+/-0.000 χ^2/NDF: 109470311.3/102

yield_cav4cX_mean vs Slug, Sign Corrected



Right In: -1.478+/-0.000 χ^2/NDF: 9901783067.2/24

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.290+/-0.000 χ^2/NDF: 3612899480.7/29

Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

Left: 0.650+/-0.000 χ^2/NDF: 260223435.2/47

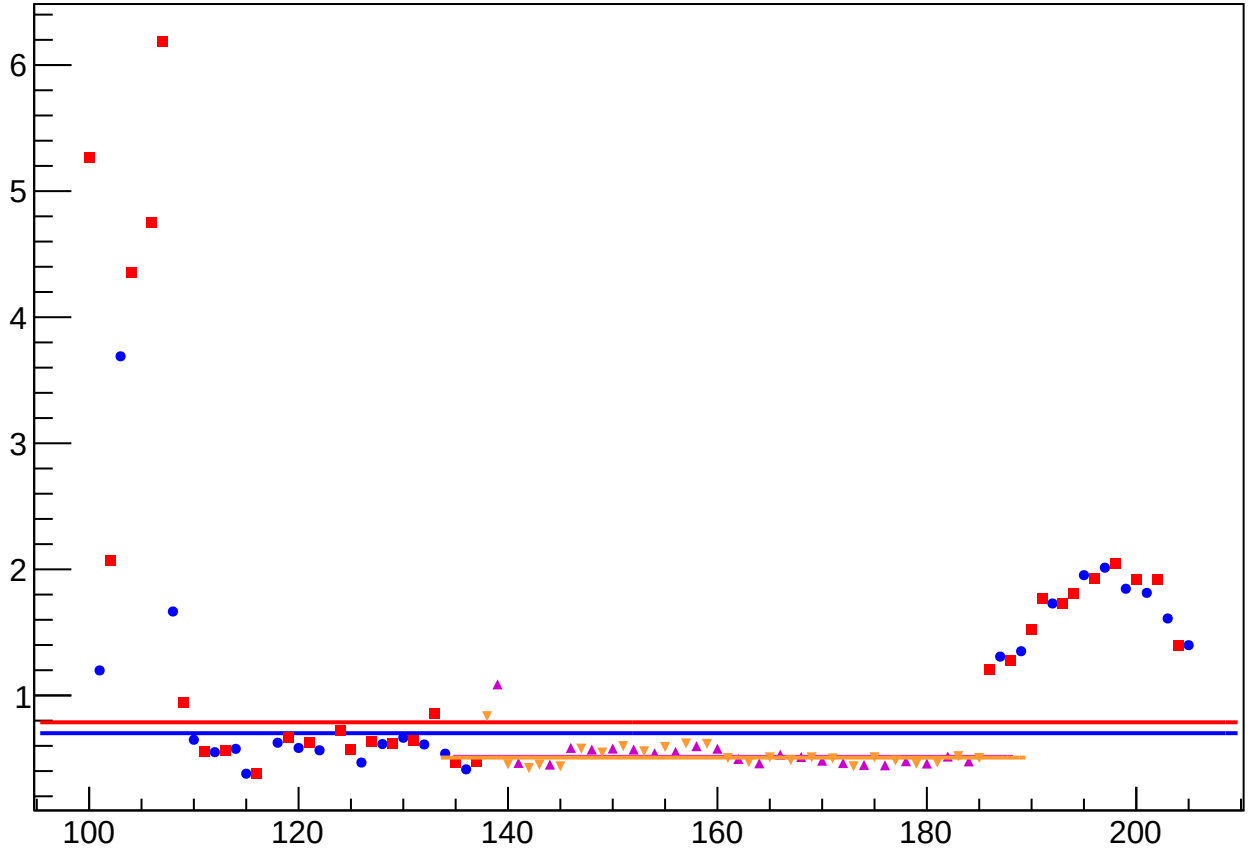
Right: -0.651+/-0.000 χ^2/NDF: 13541744104.4/54

In: 0.184+/-0.000 χ^2/NDF:10074872833.0/47

Out: 0.515+/-0.000 χ^2/NDF:3768304207.3/54

All: 0.352+/-0.000 χ^2/NDF: 13847335022.5/1

yield_cav4cX_rms vs Slug, Sign Corrected



Right In: 0.700+/-0.000 χ^2/NDF: 6839589.3/24

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.787+/-0.000 χ^2/NDF: 7733199.0/29

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

Left: 0.510+/-0.000 χ^2/NDF: 1310004.6/47

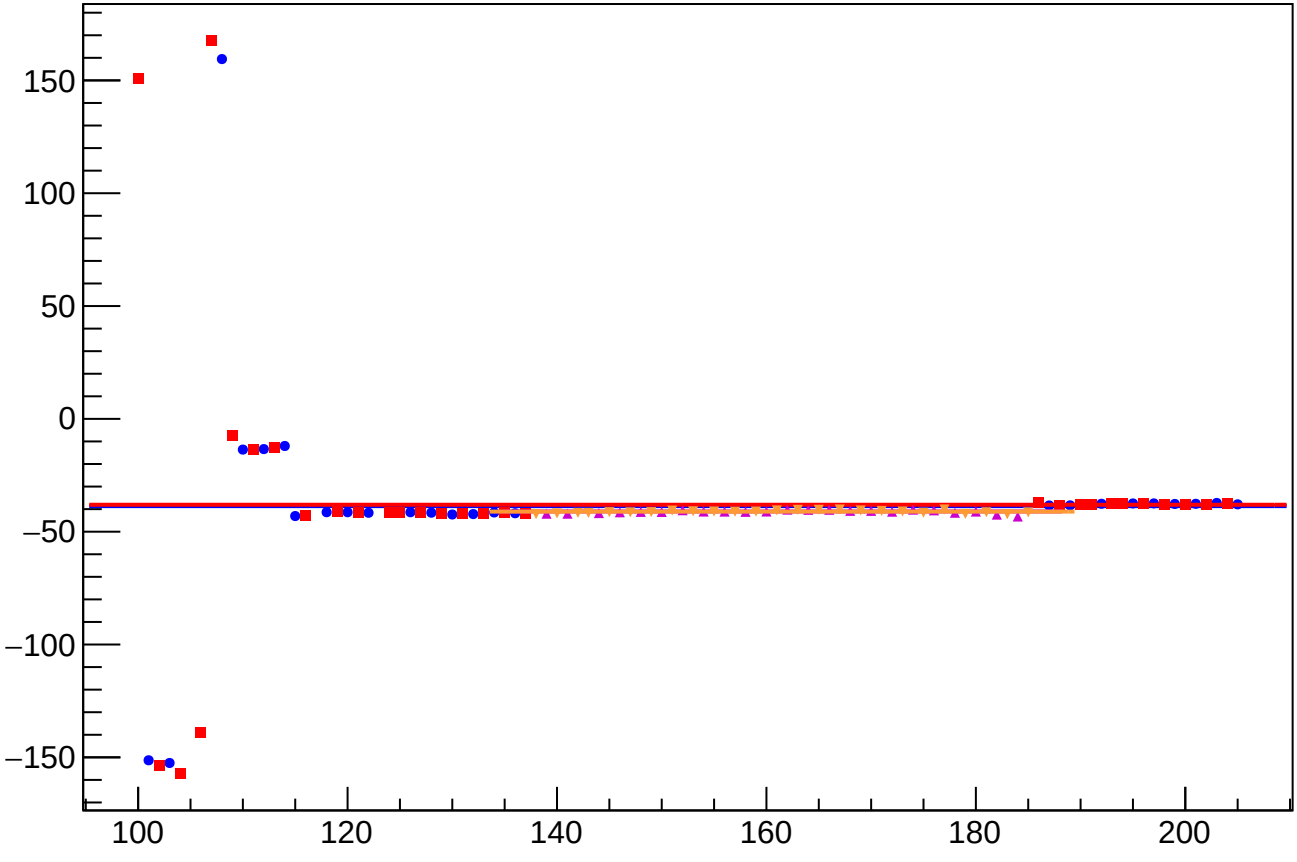
Right: 0.741+/-0.000 χ^2/NDF: 14701966.6/54

In: 0.559+/-0.000 χ^2/NDF:8572730.5/47

Out: 0.566+/-0.000 χ^2/NDF:10297748.3/54

All: 0.563+/-0.000 χ^2/NDF: 18873820.9/102

yield_cav4cY_mean vs Slug, Sign Corrected



Right In: -38.665+/-0.000 χ^2/NDF: 3596978722.4/24

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.060+/-0.000 χ^2/NDF: 2510916983.4/29

Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

Left: -41.062+/-0.000 χ^2/NDF: 111932061.5/47

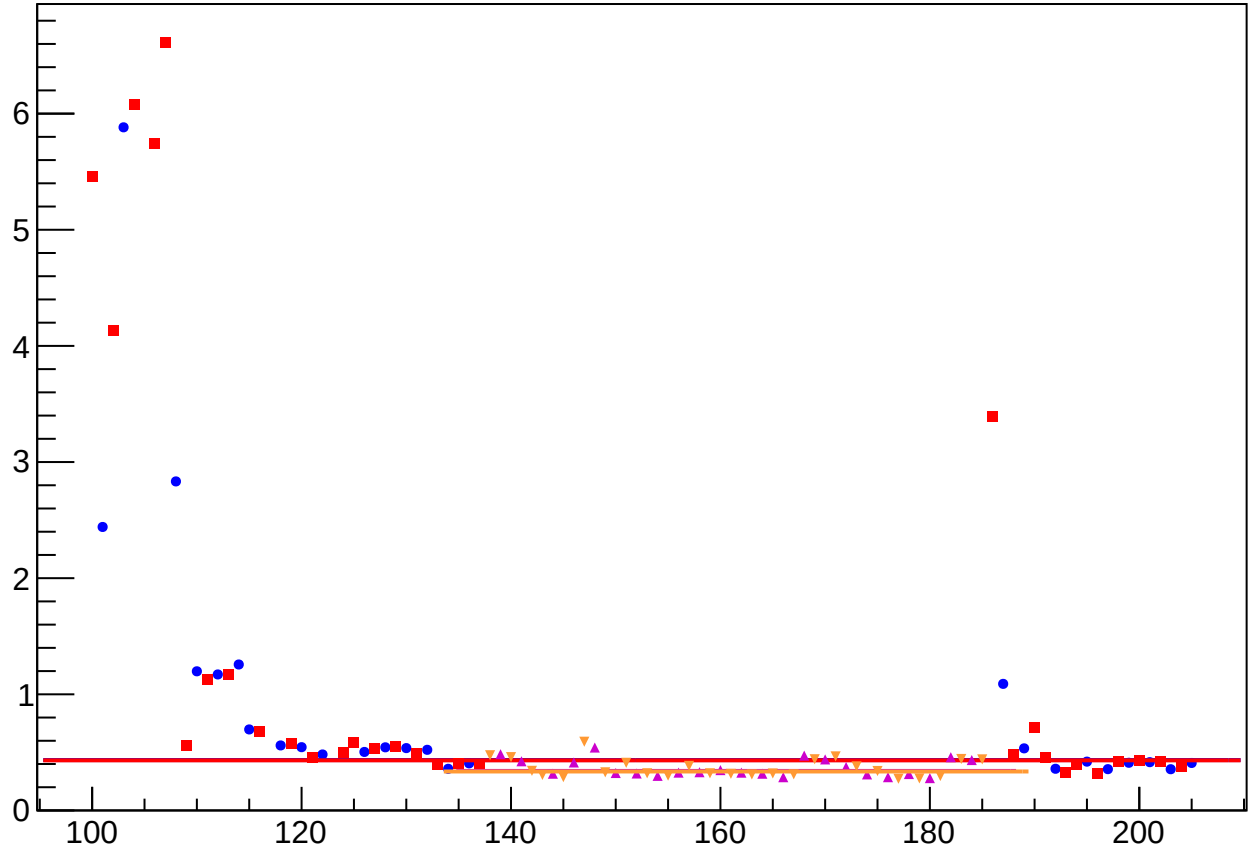
Right: -38.352+/-0.000 χ^2/NDF: 6119020825.5/54

In: -40.348+/-0.000 χ^2/NDF:3881988525.4/47

Out: -40.226+/-0.000 χ^2/NDF:2984647741.9/54

All: -40.285+/-0.000 χ^2/NDF: 6868213366.6/

yield_cav4cY_rms vs Slug, Sign Corrected



Right In: 0.434+/-0.000 χ^2/NDF: 3648310.0/24

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.432+/-0.000 χ^2/NDF: 4650623.3/29

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

Left: 0.338+/-0.000 χ^2/NDF: 2306534.0/47

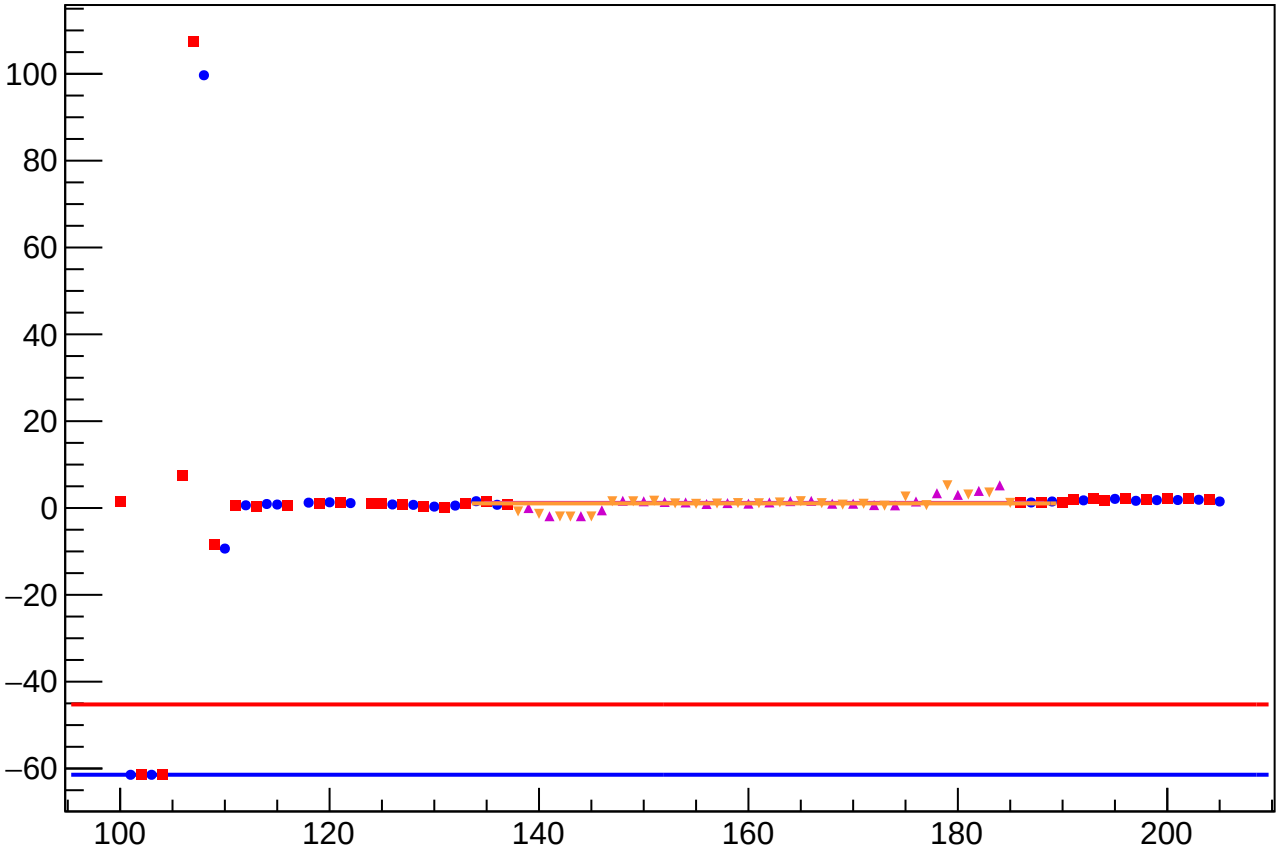
Right: 0.433+/-0.000 χ^2/NDF: 8299266.5/54

In: 0.367+/-0.000 χ^2/NDF:5448366.2/47

Out: 0.363+/-0.000 χ^2/NDF:6717460.3/54

All: 0.365+/-0.000 χ^2/NDF: 12169528.1/102

yield_cav4dX_mean vs Slug, Sign Corrected



Right In: -61.435+/-0.000 χ^2/NDF: 286101897762.4/24

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357878727024461.8/29

Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

Left: 1.114+/-0.000 χ^2/NDF: 436074136.1/47

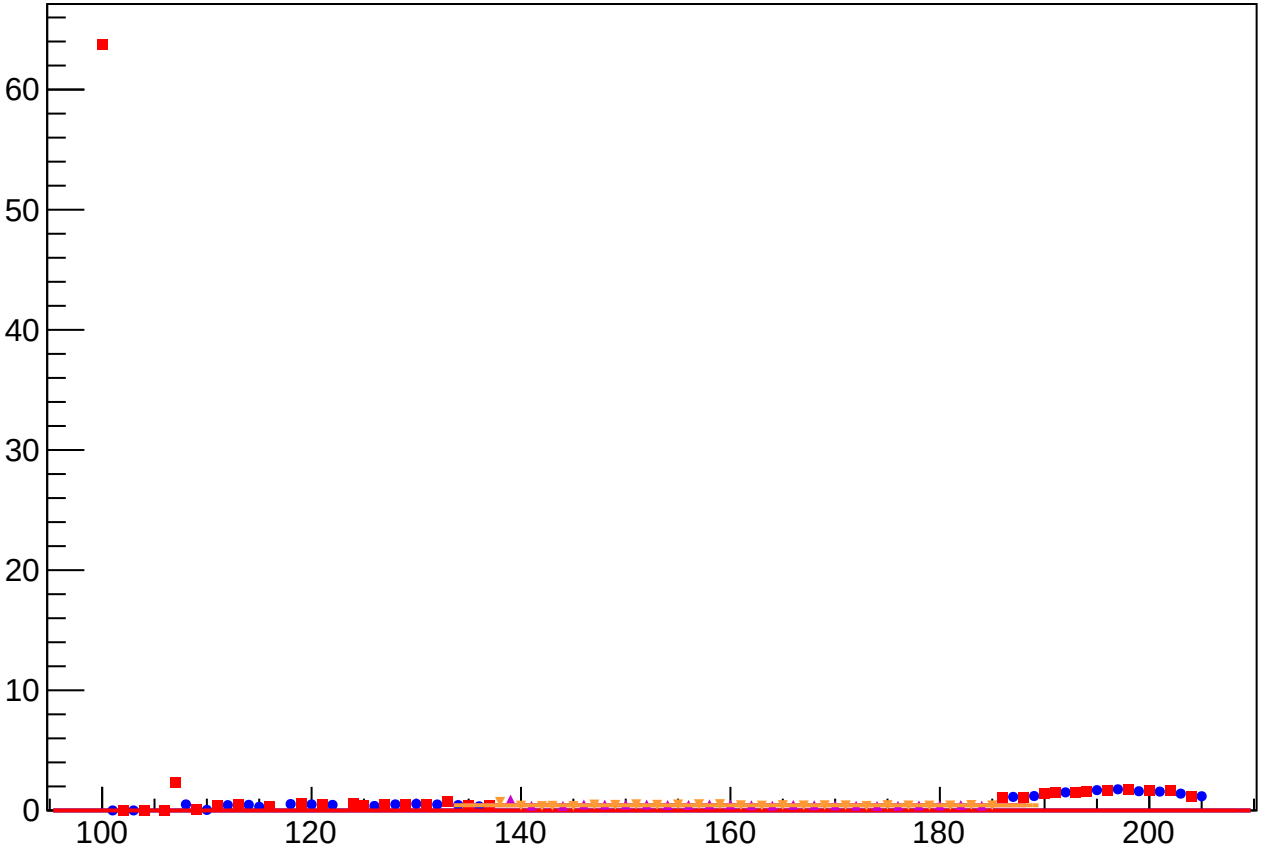
Right: -52.749+/-0.000 χ^2/NDF: 409142589267587

In: -61.422+/-0.000 χ^2/NDF:588963590682.4/47

Out: -45.235+/-0.000 χ^2/NDF:358060008033743.1

All: -52.737+/-0.000 χ^2/NDF: 409611997722

yield_cav4dX_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 22416513.1/24

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

Right Out: 0.001+/-0.000 χ^2/NDF: 24774112.8/29

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

Left: 0.435+/-0.000 χ^2/NDF: 1229702.8/47

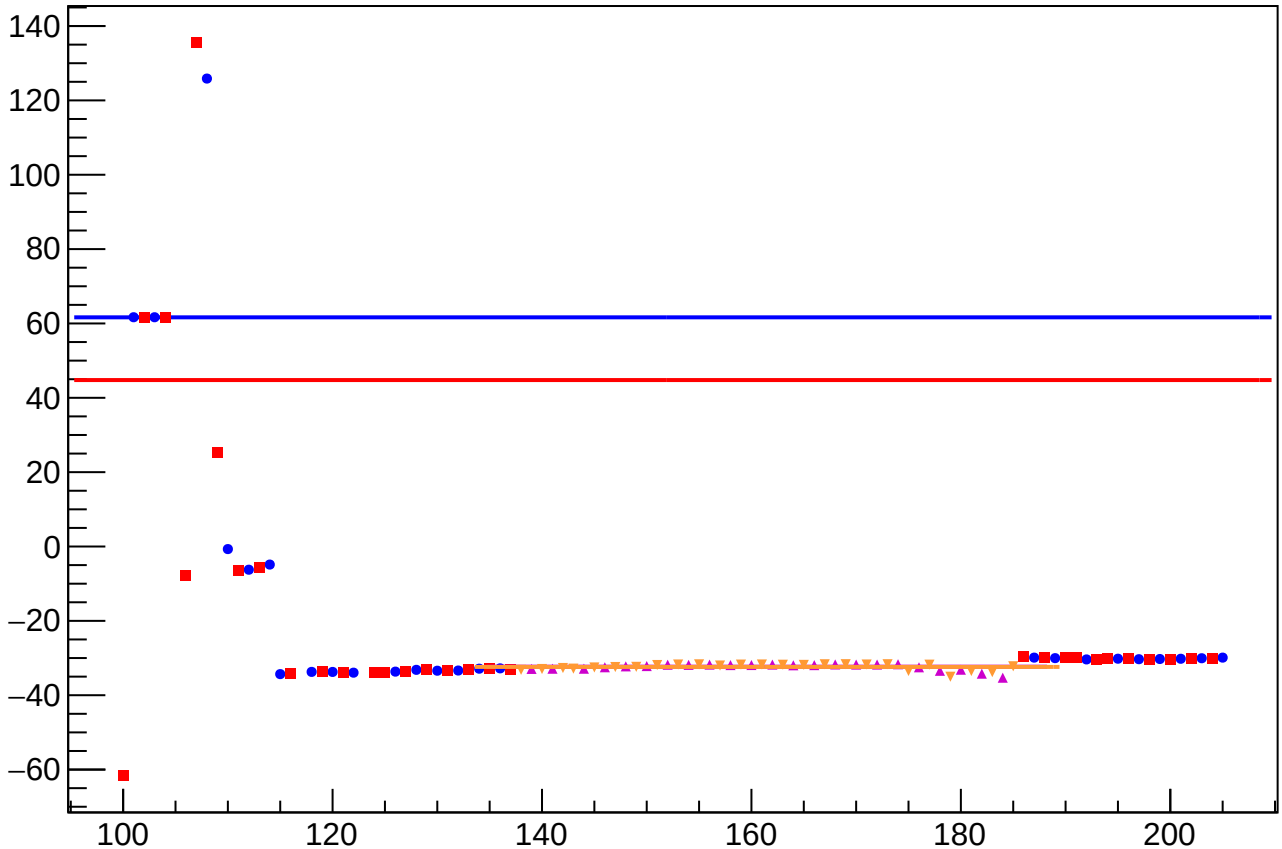
Right: 0.001+/-0.000 χ^2/NDF: 47190627.8/54

In: 0.002+/-0.000 χ^2/NDF:52556989.1/47

Out: 0.002+/-0.000 χ^2/NDF:56539364.9/54

All: 0.002+/-0.000 χ^2/NDF: 109096383.1/102

yield_cav4dY_mean vs Slug, Sign Corrected



Right In: 61.646+/-0.000 χ^2/NDF: 870296797139.0/24

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.773+/-0.000 χ^2/NDF: 3664595914724 18.4/29

Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

Left: -32.356+/-0.000 χ^2/NDF: 291084378.8/47

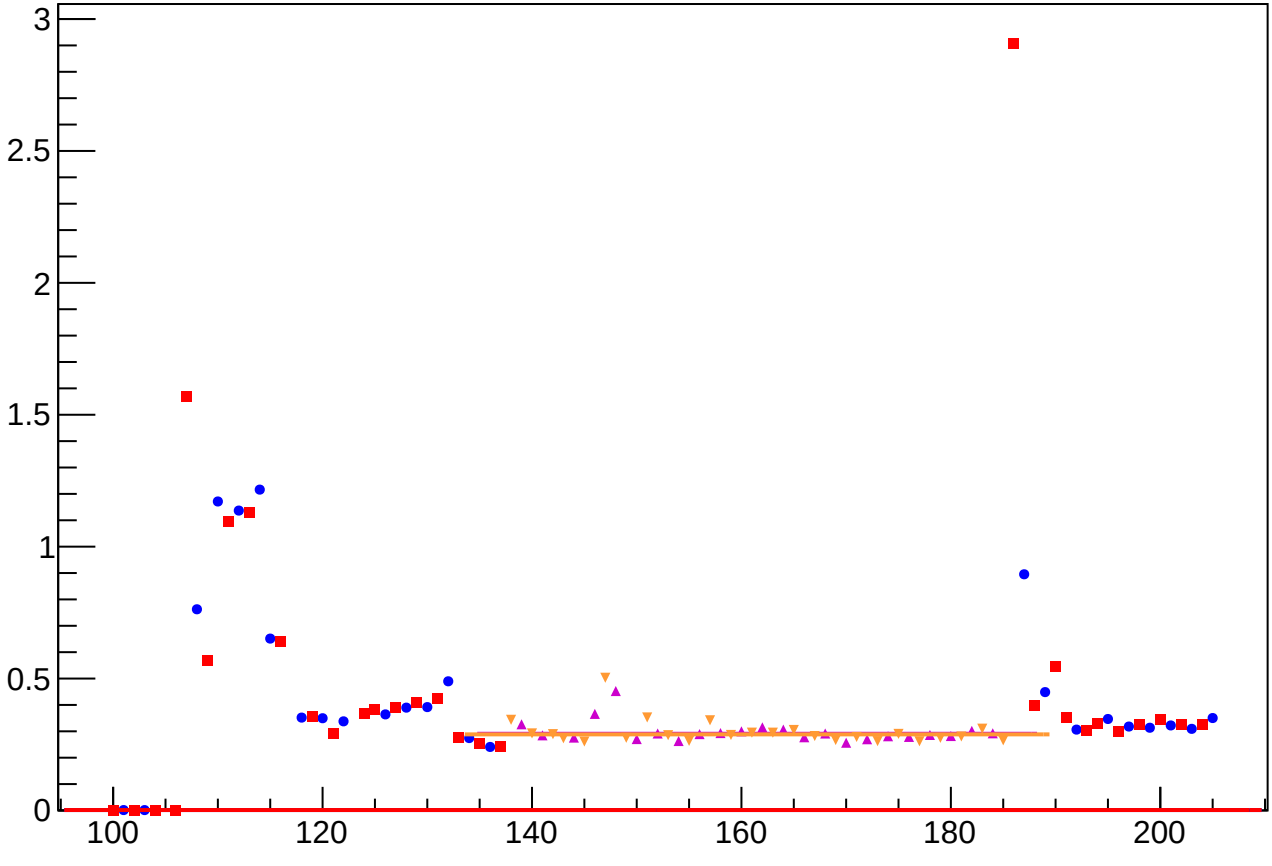
Right: 52.674+/-0.000 χ^2/NDF: 418421640340493.

In: 61.588+/-0.000 χ^2/NDF:2693548595319.3/47

Out: 44.728+/-0.000 χ^2/NDF:367777752169503.1

All: 52.624+/-0.000 χ^2/NDF: 4215153125697

yield_cav4dY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 24028069.5/24

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 25723195.5/29

Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

Left: 0.290+/-0.000 χ^2/NDF: 911587.8/47

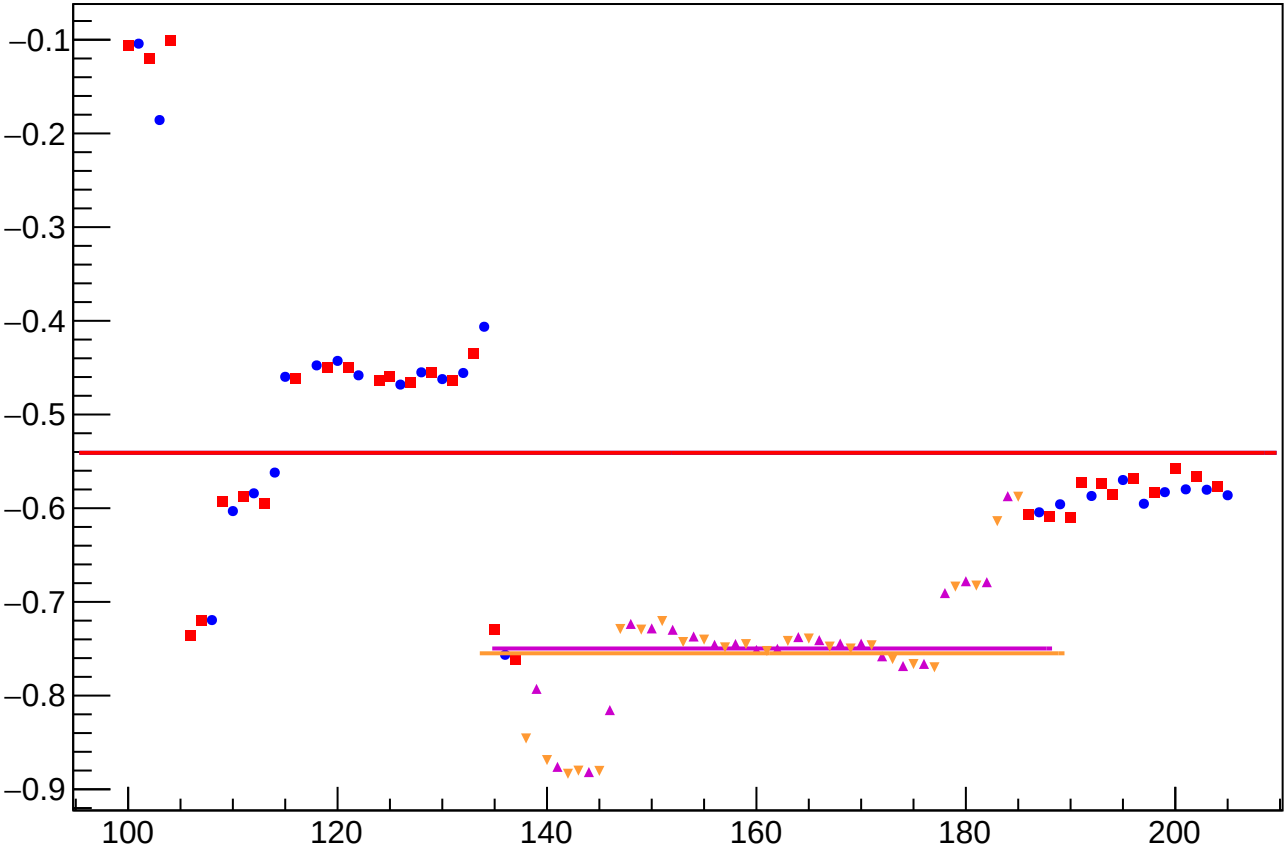
Right: 0.002+/-0.000 χ^2/NDF: 49751376.4/54

In: 0.002+/-0.000 χ^2/NDF:58924678.6/47

Out: 0.002+/-0.000 χ^2/NDF:62670283.0/54

All: 0.002+/-0.000 χ^2/NDF: 121594976.6/102

yield_bpm4aX_mean vs Slug, Sign Corrected



Right In: -0.541+/-0.000 χ^2/NDF: 304436929.5/24

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.541+/-0.000 χ^2/NDF: 219327635.8/29

Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

Left: -0.752+/-0.000 χ^2/NDF: 354065711.9/47

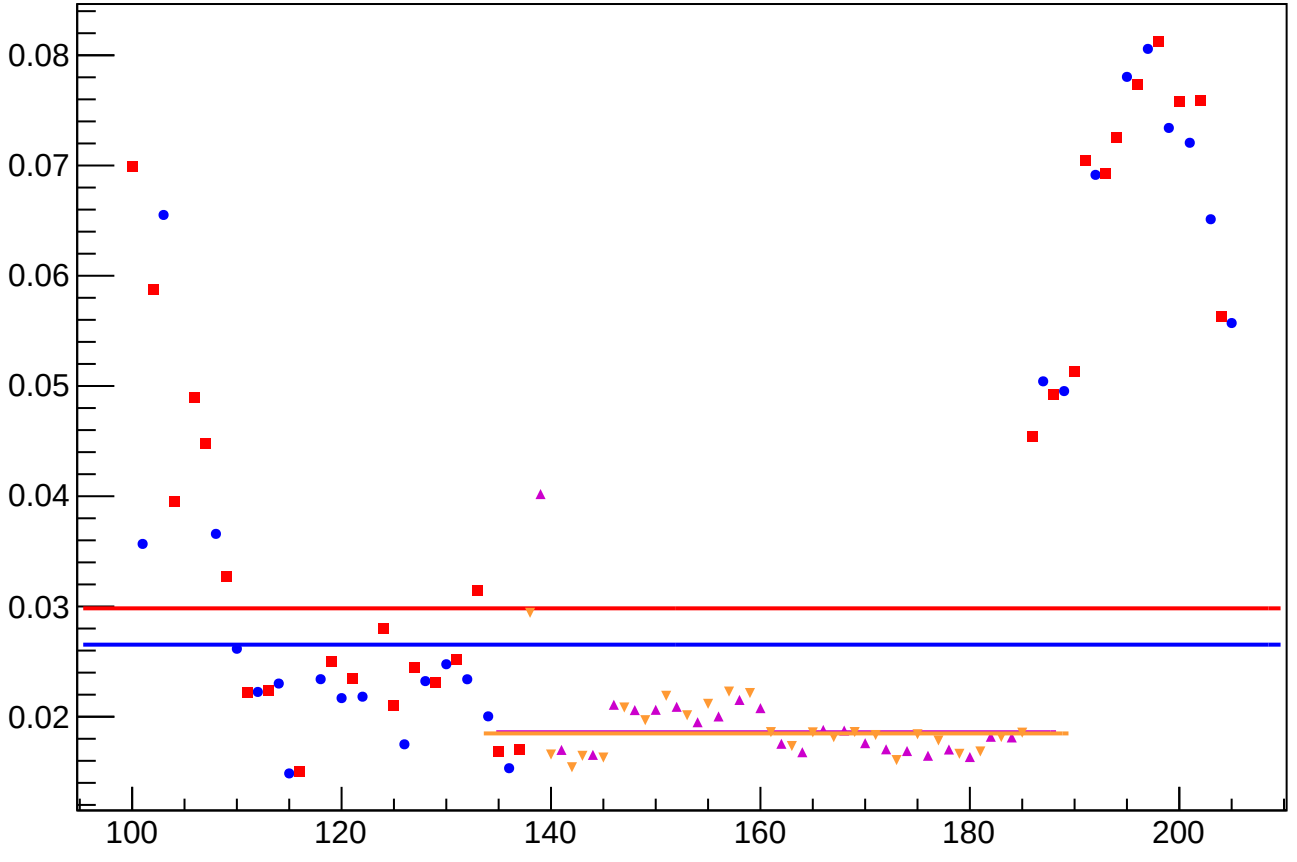
Right: -0.541+/-0.000 χ^2/NDF: 523764566.8/54

In: -0.700+/-0.000 χ^2/NDF:883104992.7/47

Out: -0.711+/-0.000 χ^2/NDF:863734883.7/54

All: -0.706+/-0.000 χ^2/NDF: 1749892738.2/1

yield_bpm4aX_rms vs Slug, Sign Corrected



Right In: 0.027+/-0.000 χ^2/NDF: 6640989.8/24

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.030+/-0.000 χ^2/NDF: 6737103.5/29

Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

Left: 0.019+/-0.000 χ^2/NDF: 1231372.8/47

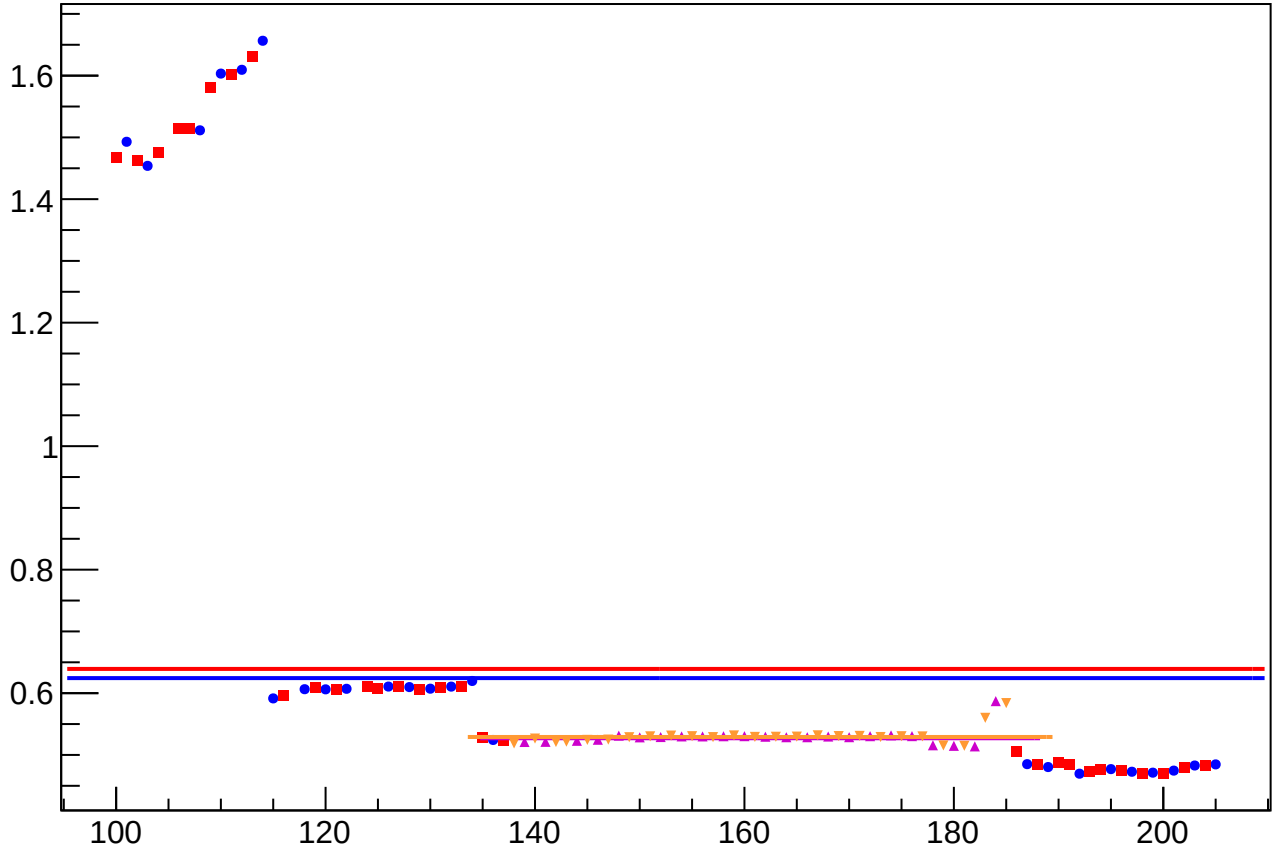
Right: 0.028+/-0.000 χ^2/NDF: 13513541.3/54

In: 0.020+/-0.000 χ^2/NDF:8646887.0/47

Out: 0.021+/-0.000 χ^2/NDF:9656406.7/54

All: 0.021+/-0.000 χ^2/NDF: 18310338.4/102

yield_bpm4aY_mean vs Slug, Sign Corrected



Right In: 0.624+/-0.000 χ^2/NDF: 5501933615.4/24

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.639+/-0.000 χ^2/NDF: 6449901752.8/29

Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

Left: 0.528+/-0.000 χ^2/NDF: 29556075.1/47

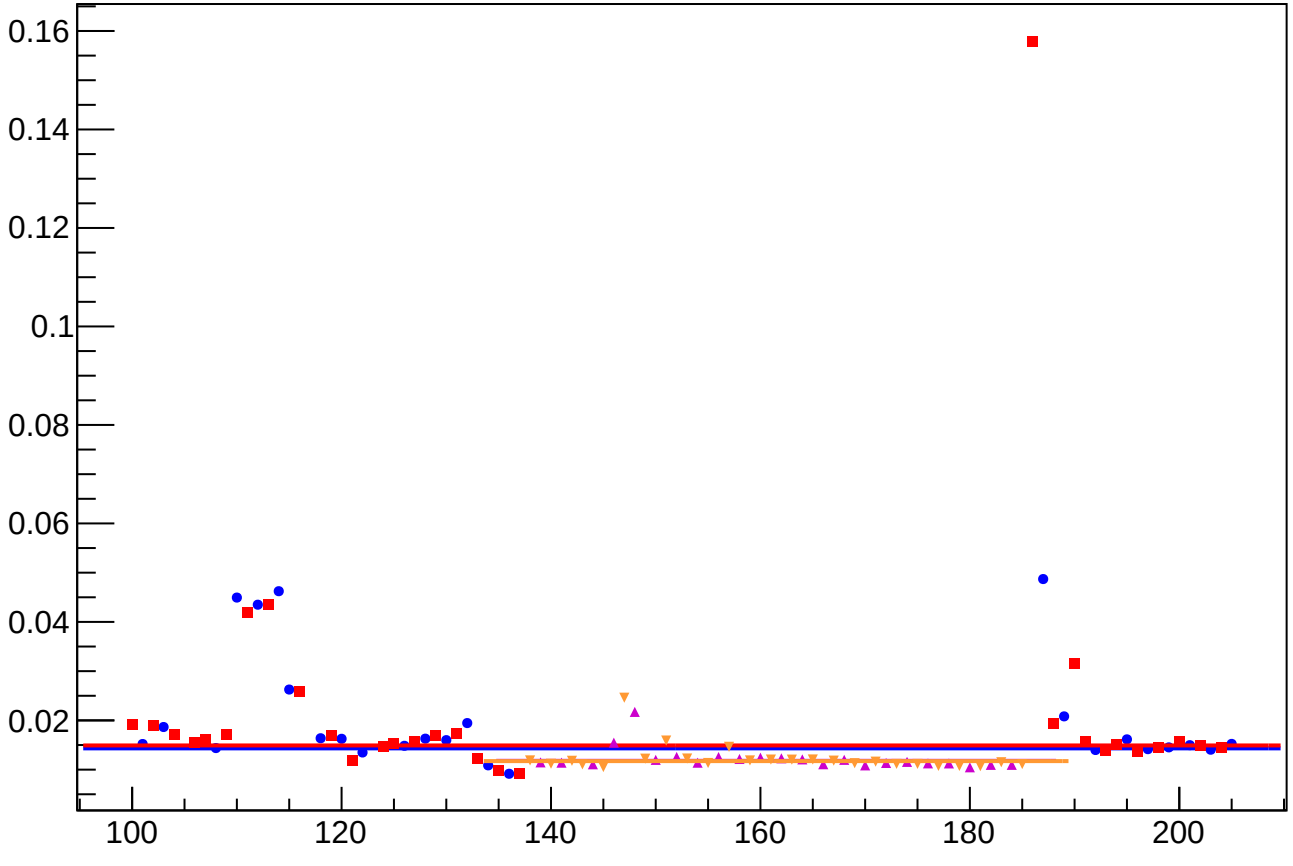
Right: 0.632+/-0.000 χ^2/NDF: 11958499332.2/54

In: 0.558+/-0.000 χ^2/NDF:5901360987.3/47

Out: 0.563+/-0.000 χ^2/NDF:6971702440.7/54

All: 0.561+/-0.000 χ^2/NDF: 12875245150.9/1

yield_bpm4aY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1969583.6/24

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2383944.8/29

Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

Left: 0.012+/-0.000 χ^2/NDF: 1220115.4/47

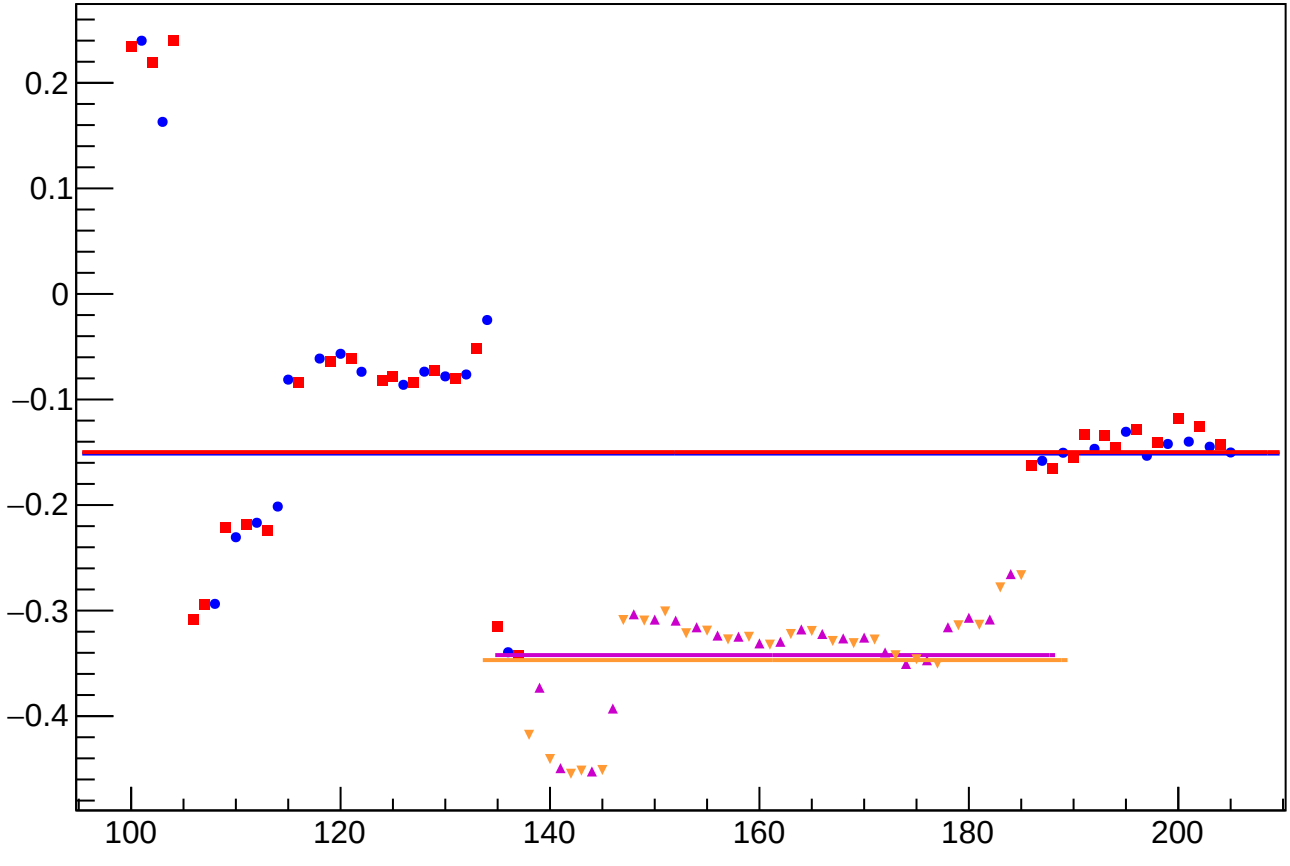
Right: 0.015+/-0.000 χ^2/NDF: 4374796.1/54

In: 0.013+/-0.000 χ^2/NDF:3010564.6/47

Out: 0.013+/-0.000 χ^2/NDF:3925846.2/54

All: 0.013+/-0.000 χ^2/NDF: 6938818.4/102

yield_bpm4eX_mean vs Slug, Sign Corrected



Right In: -0.151+/-0.000 χ^2/NDF: 276912574.0/24

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 199946052.3/29

Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

Left: -0.345+/-0.000 χ^2/NDF: 214611737.9/47

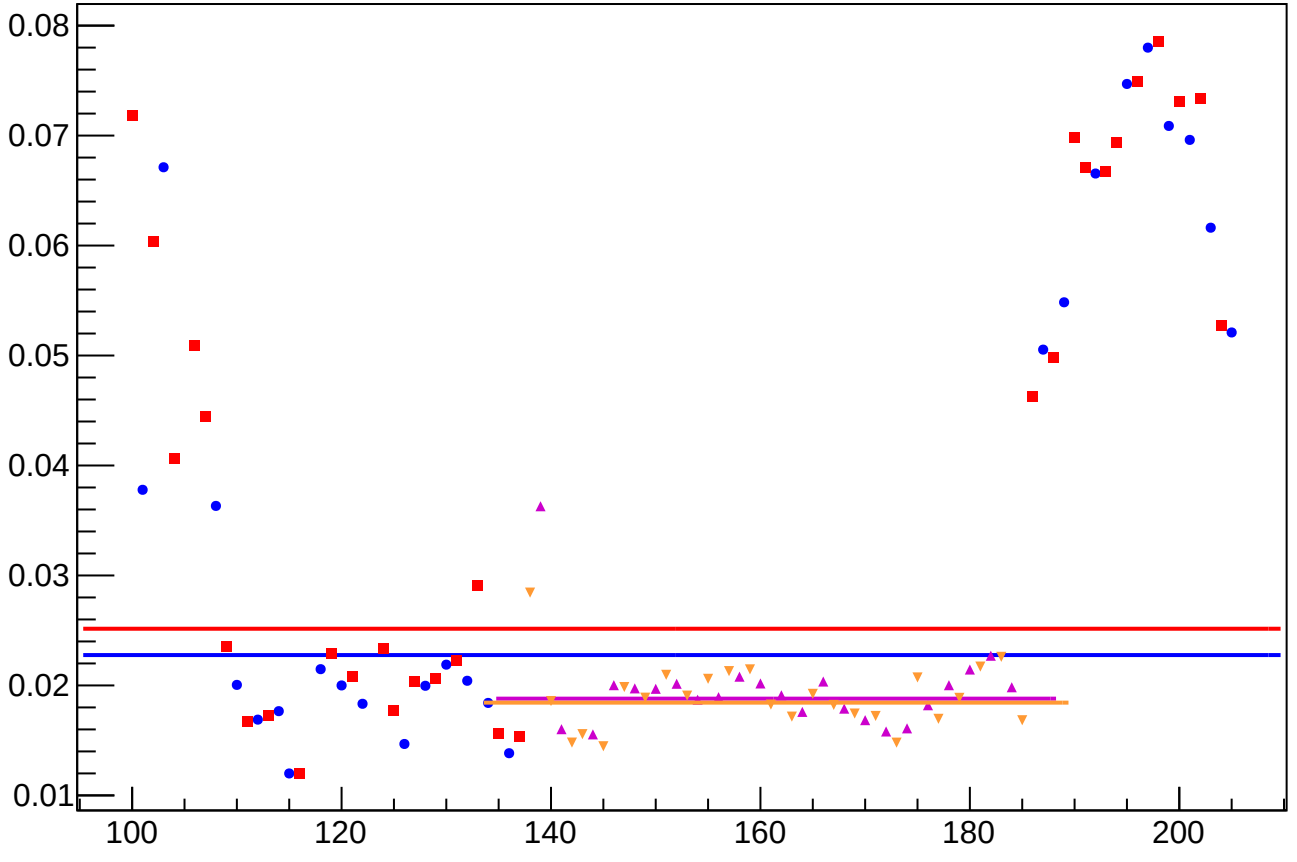
Right: -0.151+/-0.000 χ^2/NDF: 476873727.9/54

In: -0.288+/-0.000 χ^2/NDF:808069441.2/47

Out: -0.297+/-0.000 χ^2/NDF:780540504.1/54

All: -0.293+/-0.000 χ^2/NDF: 1591594306.4/1

yield_bpm4eX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 7570665.7/24

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.025+/-0.000 χ^2/NDF: 8117455.6/29

Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

Left: 0.019+/-0.000 χ^2/NDF: 1364603.4/47

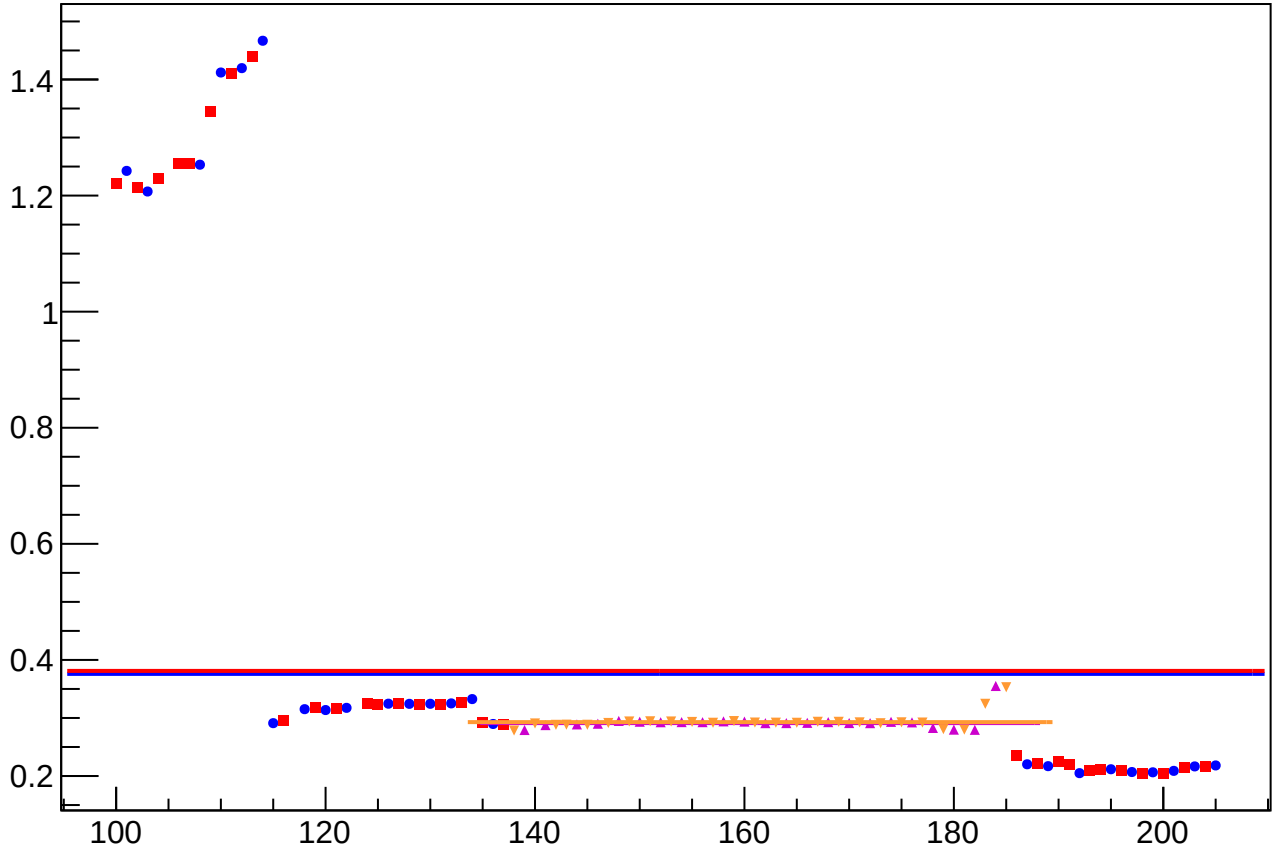
Right: 0.024+/-0.000 χ^2/NDF: 15781480.9/54

In: 0.020+/-0.000 χ^2/NDF:8671089.4/47

Out: 0.020+/-0.000 χ^2/NDF:9815106.9/54

All: 0.020+/-0.000 χ^2/NDF: 18488393.2/102

yield_bpm4eY_mean vs Slug, Sign Corrected



Right In: 0.376+/-0.000 χ^2/NDF: 8155333112.3/24

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.381+/-0.000 χ^2/NDF: 9125586996.4/29

Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

Left: 0.292+/-0.000 χ^2/NDF: 27773527.3/47

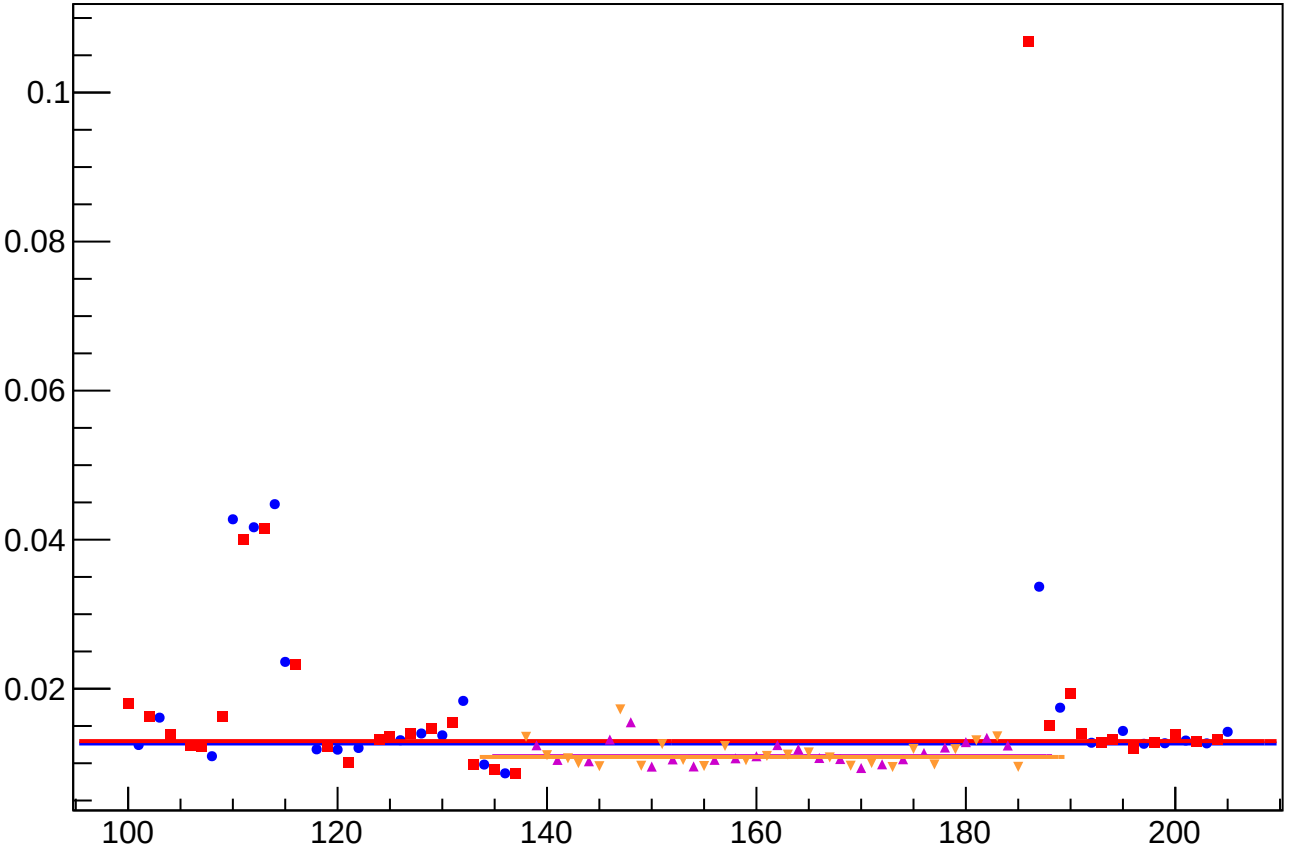
Right: 0.379+/-0.000 χ^2/NDF: 17281955363.6/54

In: 0.321+/-0.000 χ^2/NDF:8527778405.0/47

Out: 0.323+/-0.000 χ^2/NDF:9553167059.1/54

All: 0.322+/-0.000 χ^2/NDF: 18081396648.1/1

yield_bpm4eY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1787402.5/24

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2165446.2/29

Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

Left: 0.011+/-0.000 χ^2/NDF: 1168468.8/47

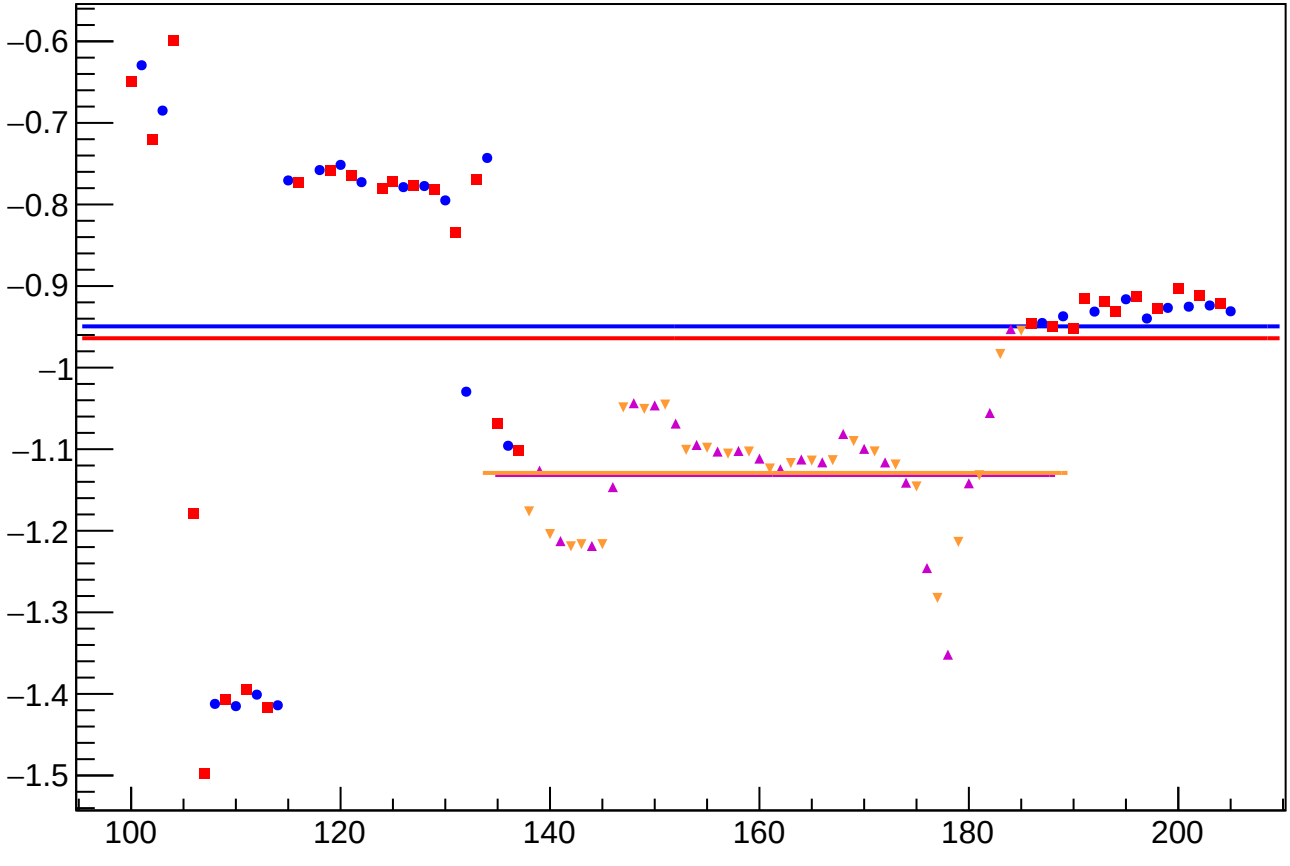
Right: 0.013+/-0.000 χ^2/NDF: 3960941.6/54

In: 0.012+/-0.000 χ^2/NDF:2589222.8/47

Out: 0.012+/-0.000 χ^2/NDF:3297134.8/54

All: 0.012+/-0.000 χ^2/NDF: 5886429.6/102

yield_bpm4acX_mean vs Slug, Sign Corrected



Right In: -0.949+/-0.000 χ^2/NDF: 700238692.4/24

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.964+/-0.000 χ^2/NDF: 717851072.1/29

Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

Left: -1.130+/-0.000 χ^2/NDF: 498379456.8/47

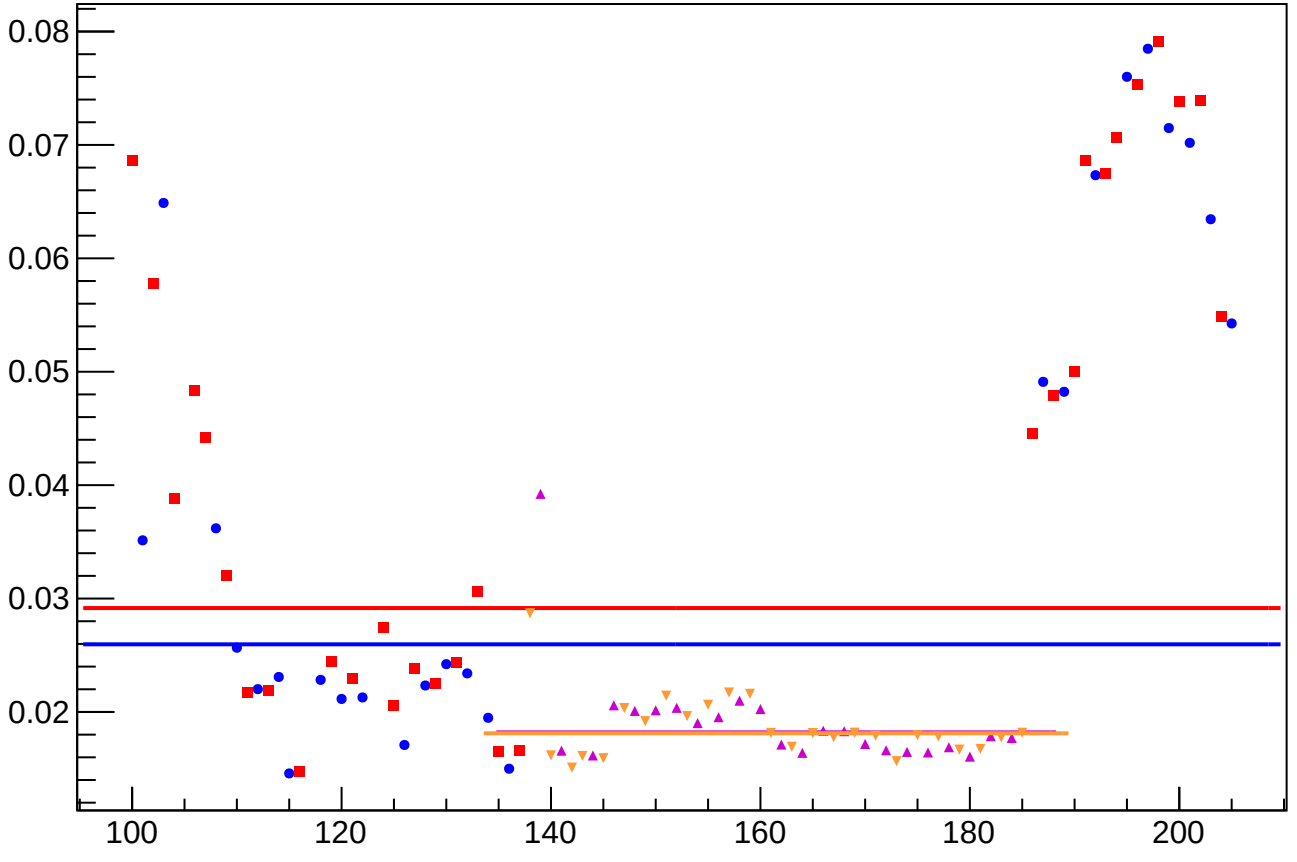
Right: -0.956+/-0.000 χ^2/NDF: 1419474032.7/54

In: -1.089+/-0.000 χ^2/NDF:1308705889.4/47

Out: -1.095+/-0.000 χ^2/NDF:1224449540.1/54

All: -1.092+/-0.000 χ^2/NDF: 2534349555.3/1

yield_bpm4acX_rms vs Slug, Sign Corrected



Right In: 0.026+/-0.000 χ^2/NDF: 6627040.2/24

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.029+/-0.000 χ^2/NDF: 6718004.9/29

Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

Left: 0.018+/-0.000 χ^2/NDF: 1198259.9/47

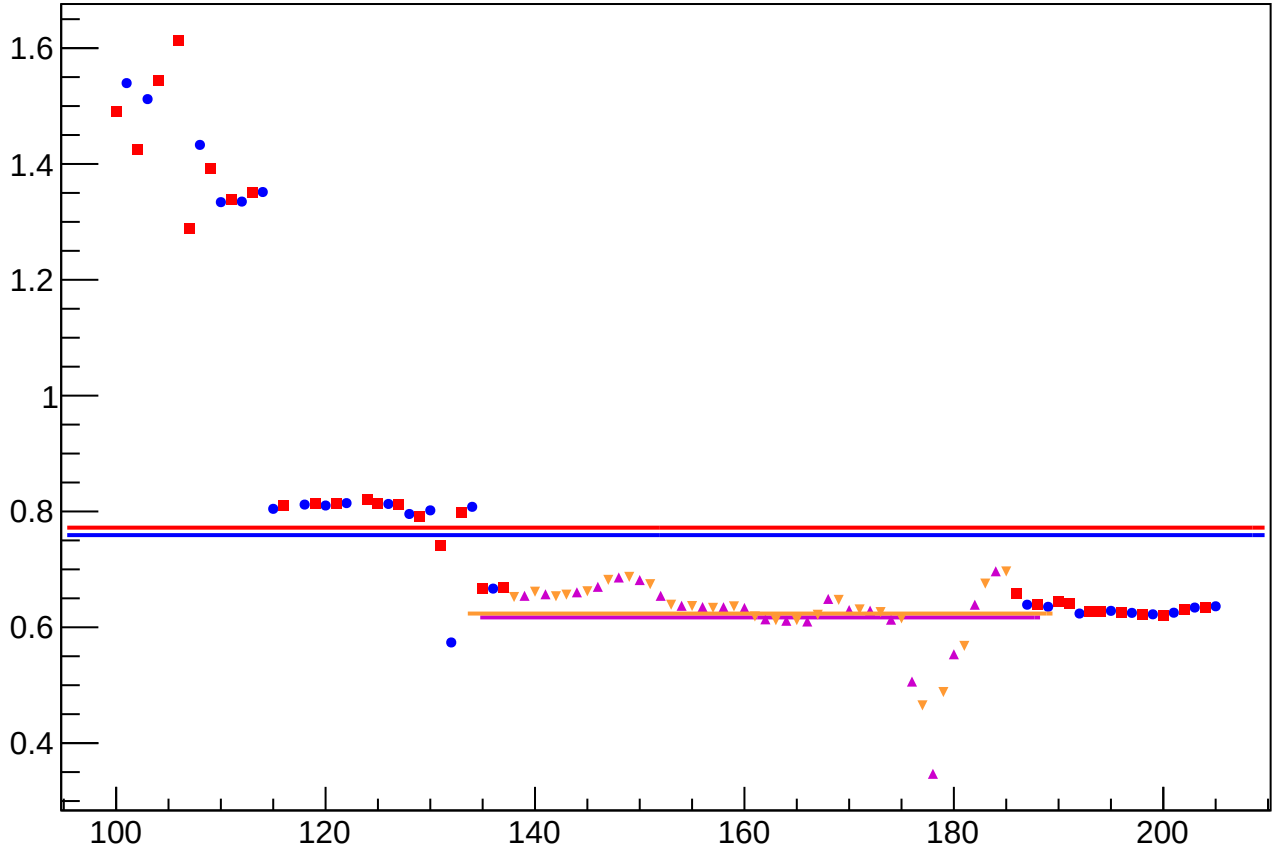
Right: 0.027+/-0.000 χ^2/NDF: 13478511.9/54

In: 0.020+/-0.000 χ^2/NDF:8615551.7/47

Out: 0.020+/-0.000 χ^2/NDF:9593705.5/54

All: 0.020+/-0.000 χ^2/NDF: 18217290.9/102

yield_bpm4acY_mean vs Slug, Sign Corrected



Right In: 0.759+/-0.000 χ^2/NDF: 3748636364.6/24

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.772+/-0.000 χ^2/NDF: 4100827660.3/29

Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

Left: 0.620+/-0.000 χ^2/NDF: 1049789293.9/47

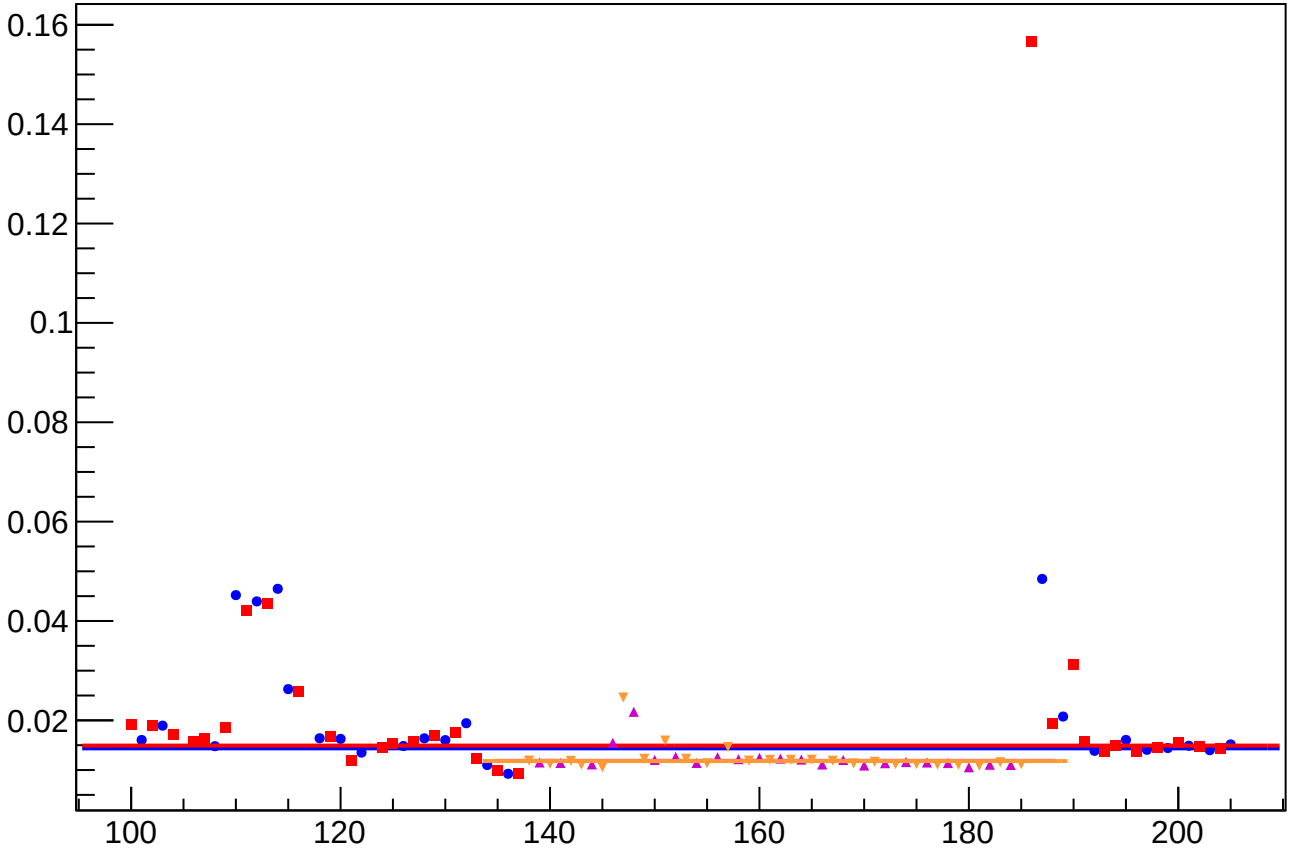
Right: 0.766+/-0.000 χ^2/NDF: 7854448881.0/54

In: 0.663+/-0.000 χ^2/NDF:5210036185.8/47

Out: 0.670+/-0.000 χ^2/NDF:5411142146.6/54

All: 0.666+/-0.000 χ^2/NDF: 10625889816.9/1

yield_bpm4acY_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 1952604.0/24

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2389000.3/29

Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

Left: 0.012+/-0.000 χ^2/NDF: 1182628.0/47

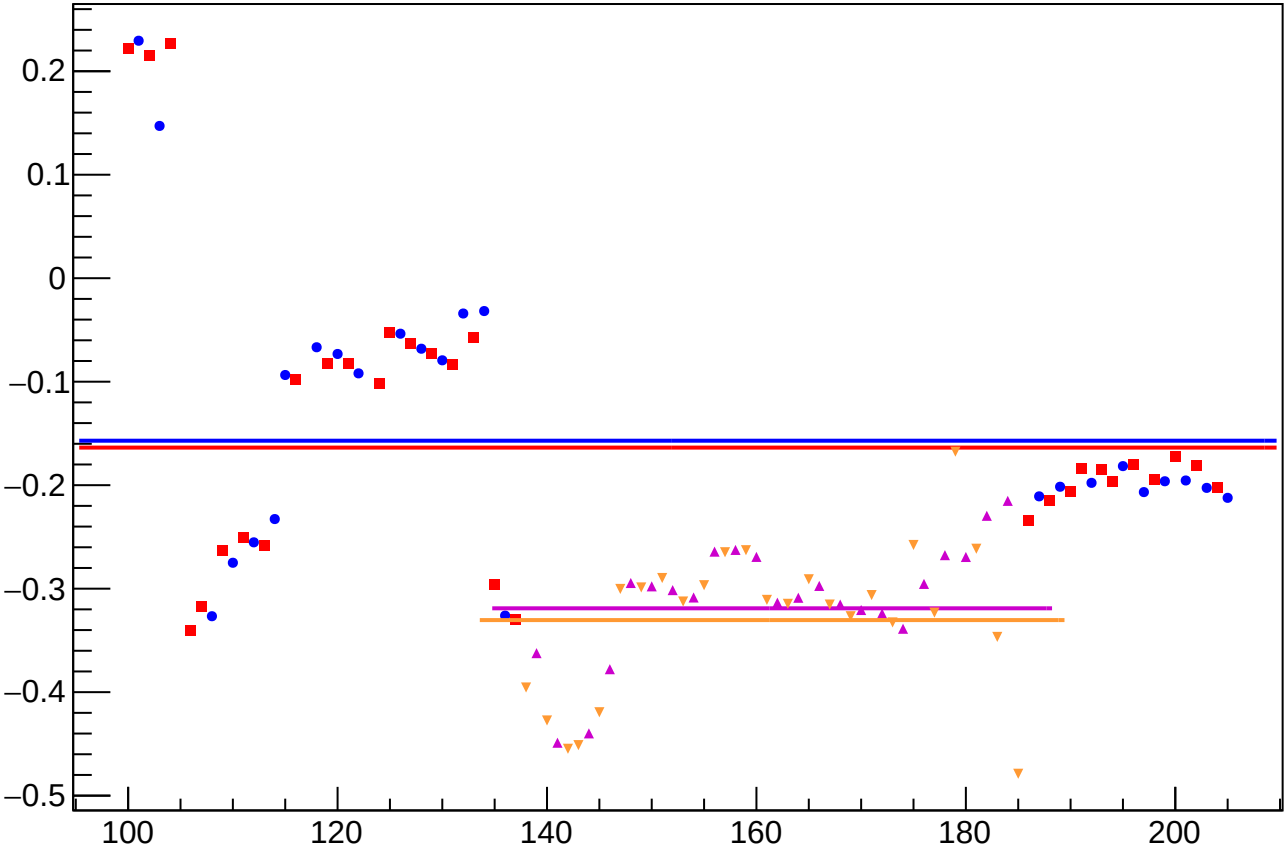
Right: 0.015+/-0.000 χ^2/NDF: 4359987.9/54

In: 0.013+/-0.000 χ^2/NDF:2974872.8/47

Out: 0.013+/-0.000 χ^2/NDF:3864761.1/54

All: 0.013+/-0.000 χ^2/NDF: 6842305.6/102

yield_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -0.157+/-0.000 χ^2/NDF: 277726544.9/24

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.164+/-0.000 χ^2/NDF: 198817859.2/29

Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

Left: -0.325+/-0.000 χ^2/NDF: 316163358.3/47

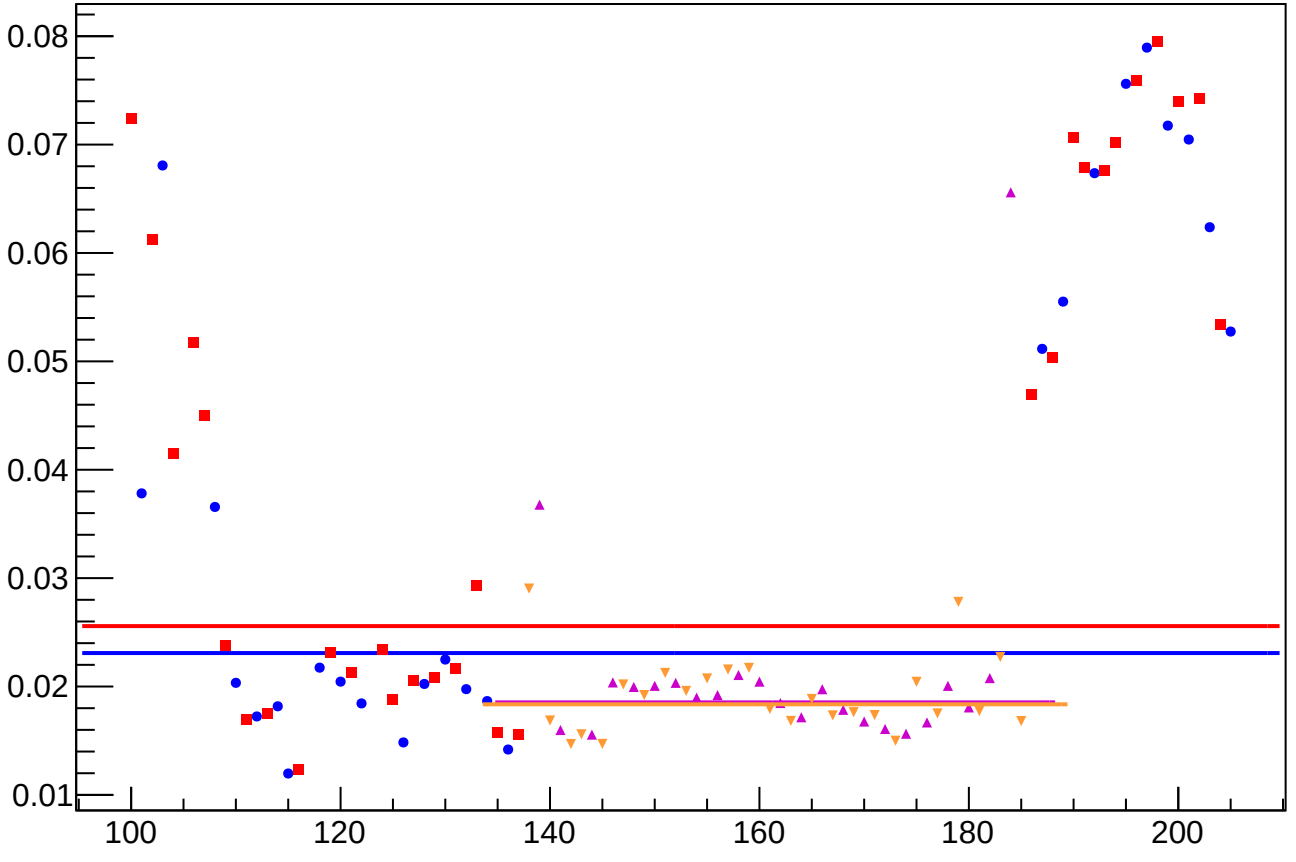
Right: -0.160+/-0.000 χ^2/NDF: 476894822.1/54

In: -0.273+/-0.000 χ^2/NDF:720661988.8/47

Out: -0.289+/-0.000 χ^2/NDF:697493885.4/54

All: -0.281+/-0.000 χ^2/NDF: 1425223680.6/1

yield_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 0.023+/-0.000 χ^2/NDF: 7535919.8/24

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8070810.8/29

Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

Left: 0.018+/-0.000 χ^2/NDF: 1672700.6/47

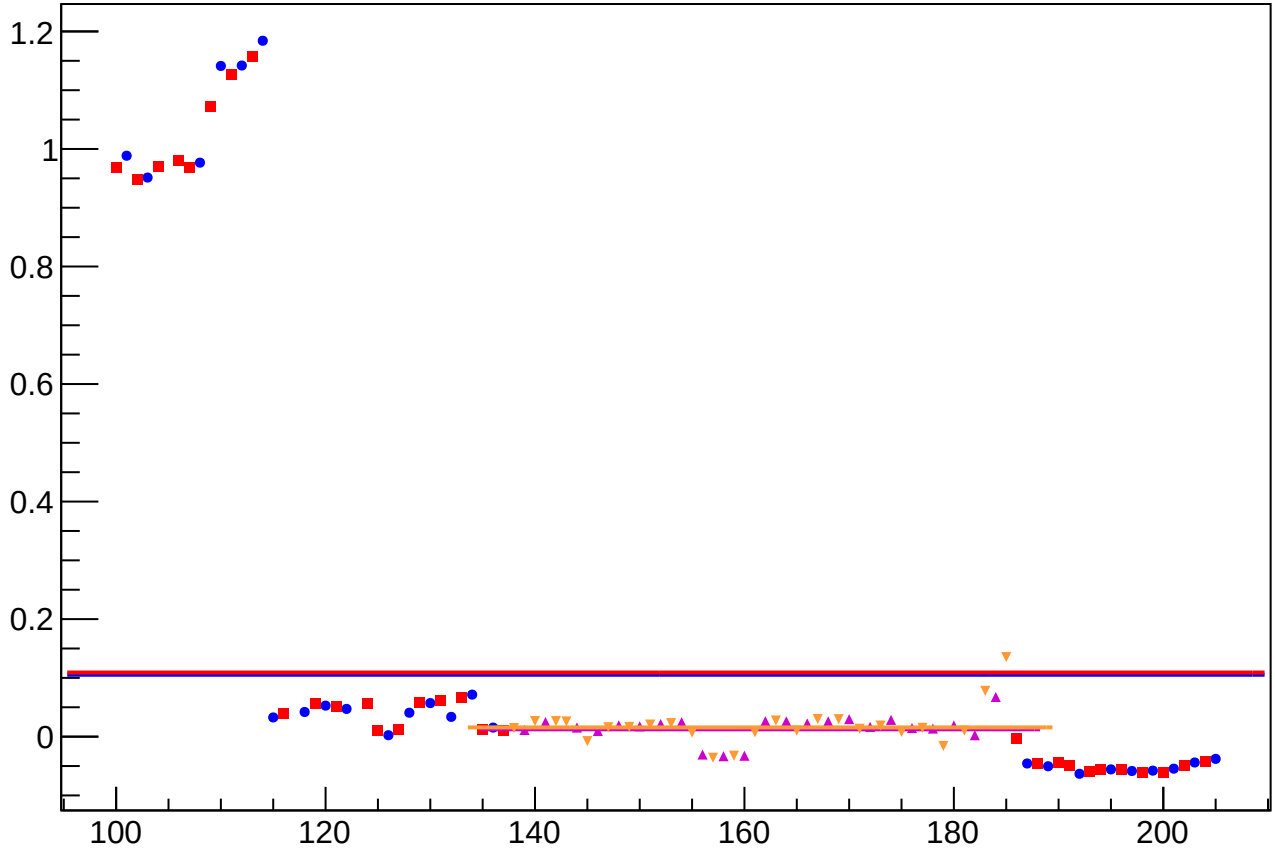
Right: 0.024+/-0.000 χ^2/NDF: 15704559.3/54

In: 0.020+/-0.000 χ^2/NDF:8962921.2/47

Out: 0.020+/-0.000 χ^2/NDF:9992325.3/54

All: 0.020+/-0.000 χ^2/NDF: 18962197.2/102

yield_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 0.105+/-0.000 χ^2/NDF: 8213940353.5/24

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.109+/-0.000 χ^2/NDF: 9007742423.3/29

Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

Left: 0.014+/-0.000 χ^2/NDF: 163971847.3/47

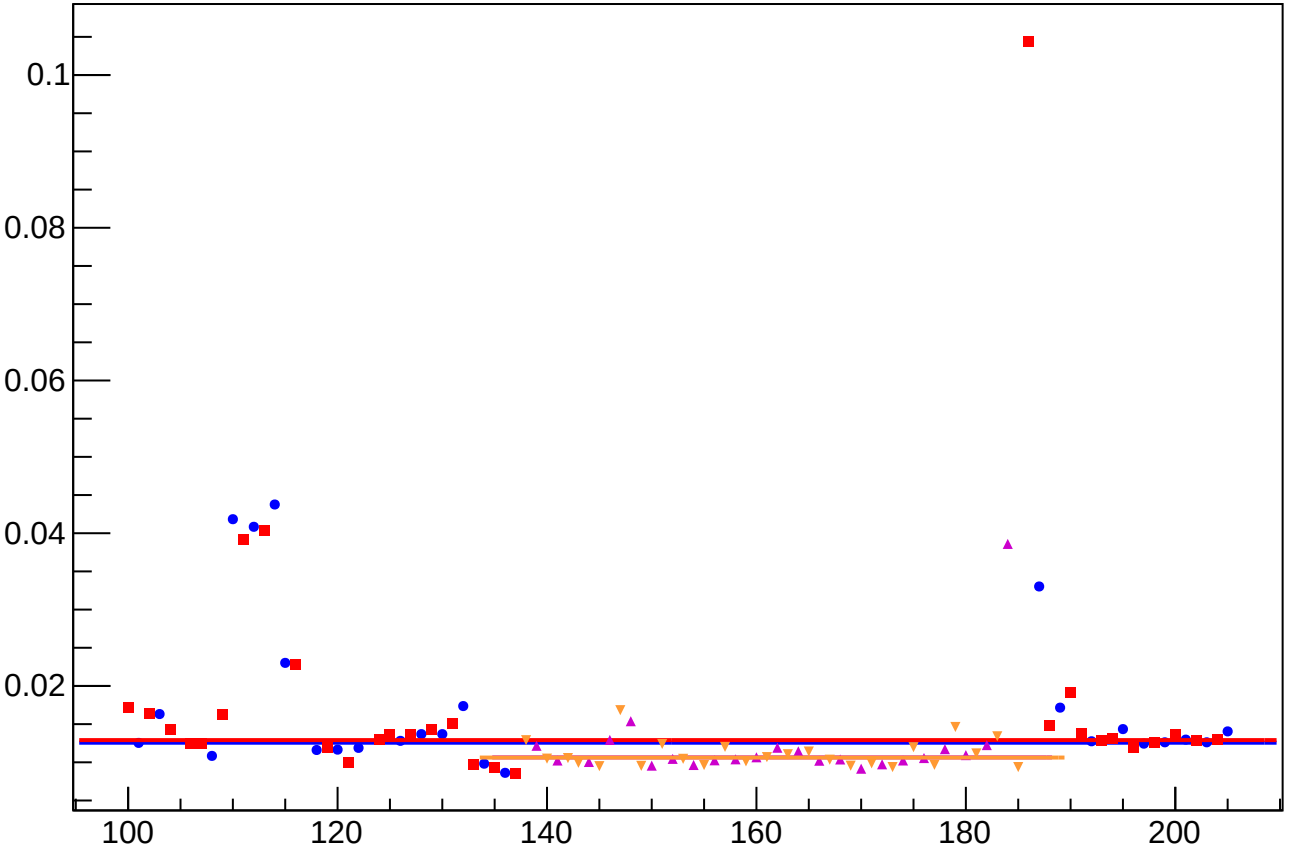
Right: 0.107+/-0.000 χ^2/NDF: 17222254568.0/54

In: 0.044+/-0.000 χ^2/NDF:8716796943.9/47

Out: 0.047+/-0.000 χ^2/NDF:9577577932.7/54

All: 0.046+/-0.000 χ^2/NDF: 18295347387.9/1

yield_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1751412.8/24

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2109616.5/29

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

Left: 0.011+/-0.000 χ^2/NDF: 1194217.8/47

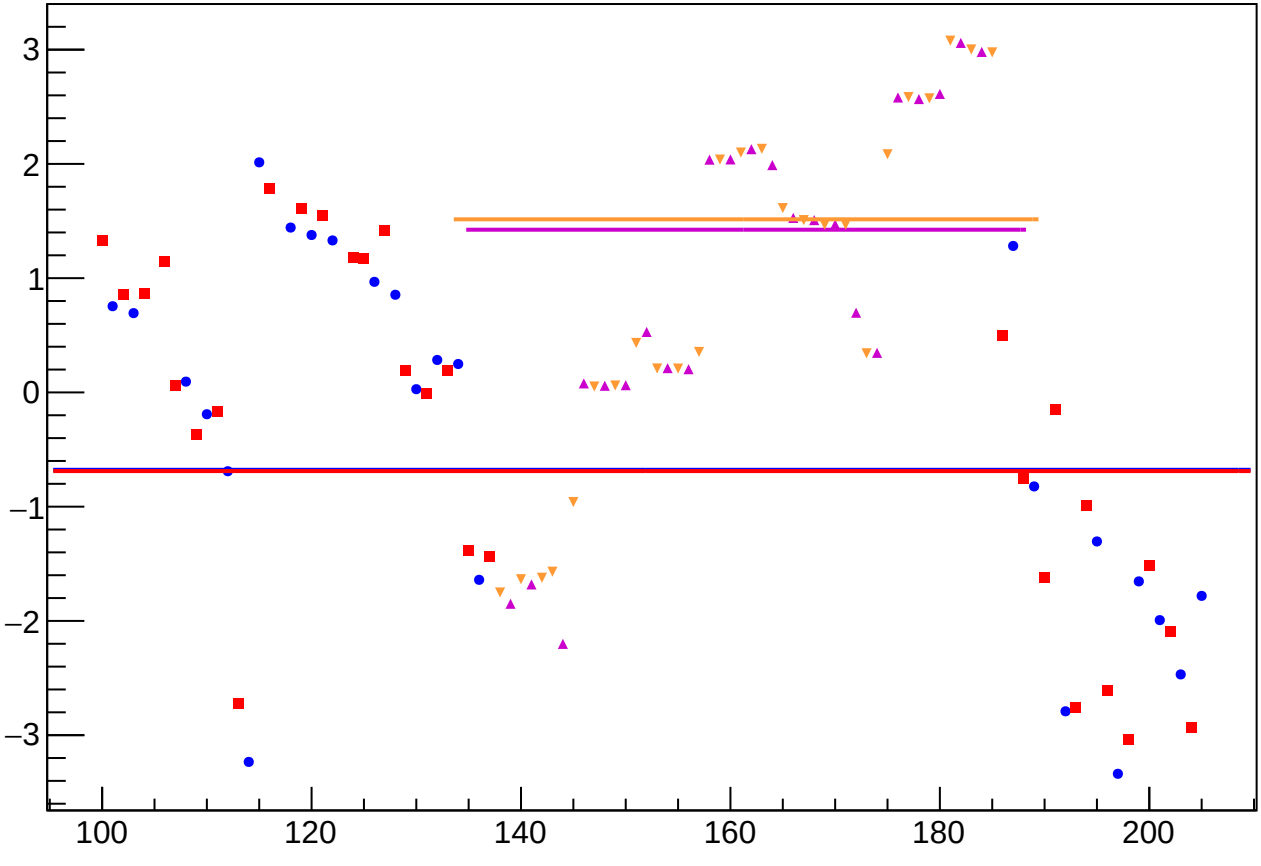
Right: 0.013+/-0.000 χ^2/NDF: 3870272.6/54

In: 0.011+/-0.000 χ^2/NDF:2705129.1/47

Out: 0.011+/-0.000 χ^2/NDF:3289083.7/54

All: 0.011+/-0.000 χ^2/NDF: 5996139.0/102

yield_bpm1X_mean vs Slug, Sign Corrected



Right In: -0.677+/-0.000 χ^2/NDF: 7583350012.6/24

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.688+/-0.000 χ^2/NDF: 8400191388.2/29

Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

Left: 1.469+/-0.000 χ^2/NDF: 136089936937.5/47

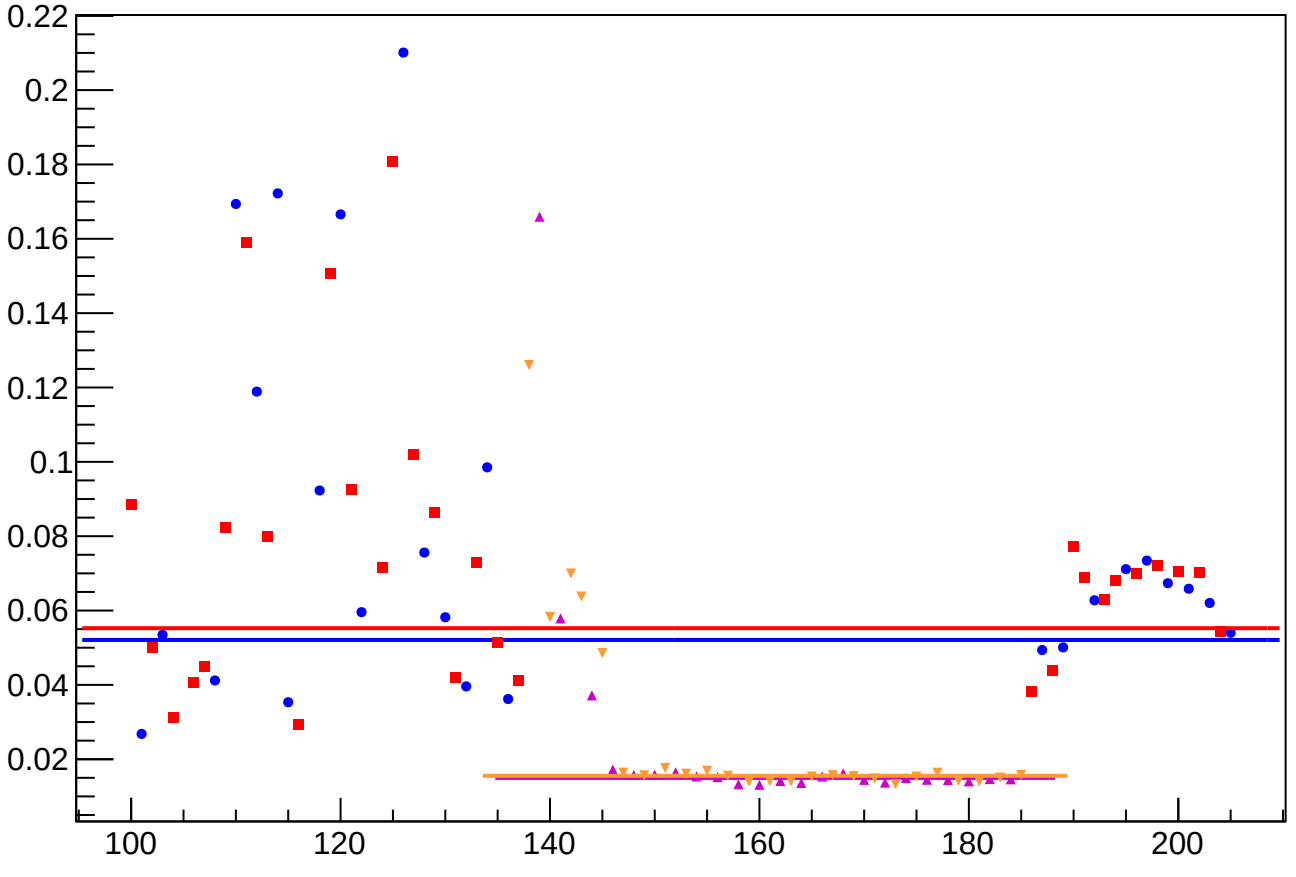
Right: -0.683+/-0.000 χ^2/NDF: 15983770640.2/54

In: 1.308+/-0.000 χ^2/NDF:90781257440.5/47

Out: 1.386+/-0.000 χ^2/NDF:93397572733.6/54

All: 1.347+/-0.000 χ^2/NDF: 184378388391.7

yield_bpm1X_rms vs Slug, Sign Corrected



Right In: 0.052+/-0.000 χ^2/NDF: 3553094.1/24

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

Right Out: 0.055+/-0.000 χ^2/NDF: 3141374.5/29

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

Left: 0.015+/-0.000 χ^2/NDF: 5187209.1/47

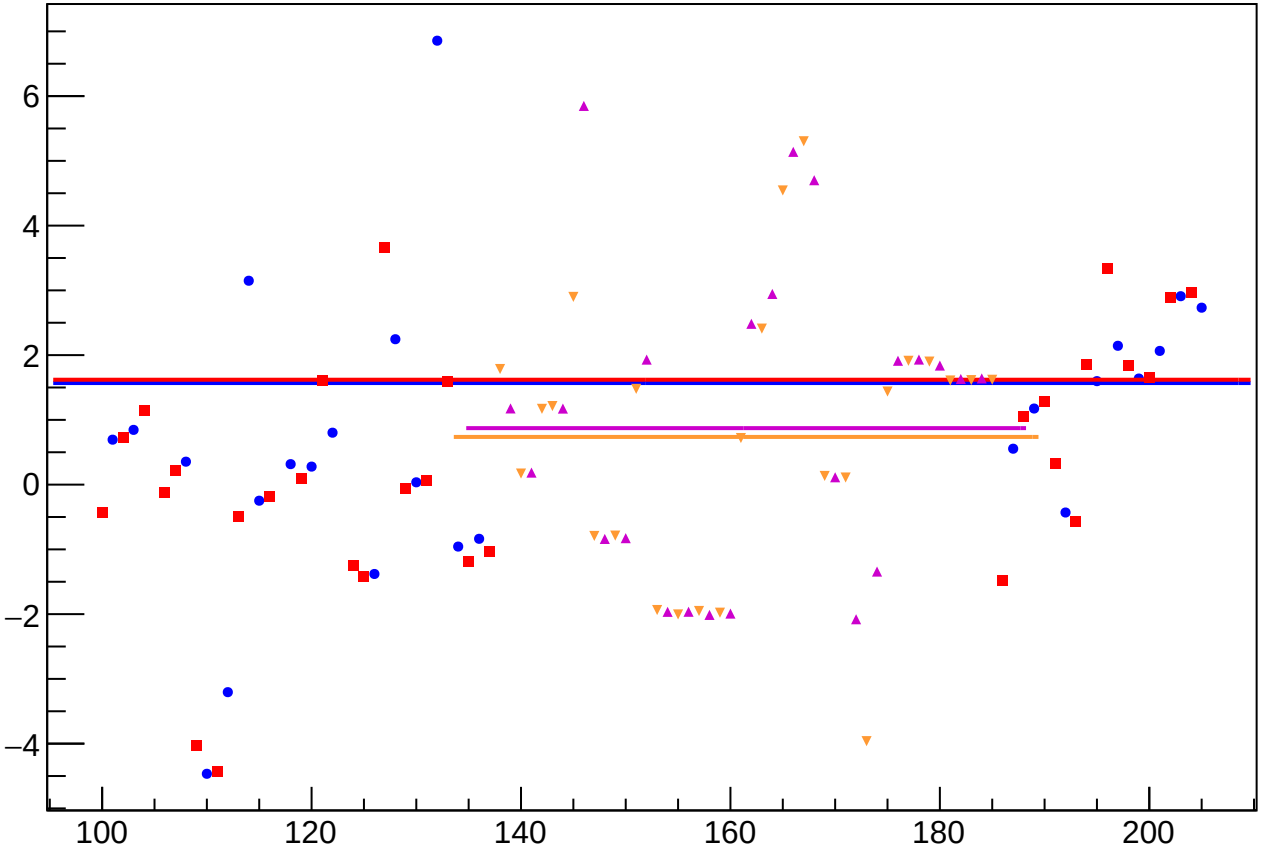
Right: 0.054+/-0.000 χ^2/NDF: 6731432.5/54

In: 0.017+/-0.000 χ^2/NDF:15187077.5/47

Out: 0.018+/-0.000 χ^2/NDF:17297794.2/54

All: 0.017+/-0.000 χ^2/NDF: 32530910.3/102

yield_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.569+/-0.000 χ^2/NDF: 32114776628.7/24

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.620+/-0.000 χ^2/NDF: 35819622376.1/29

Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

Left: 0.804+/-0.000 χ^2/NDF: 1157039374771.8/47

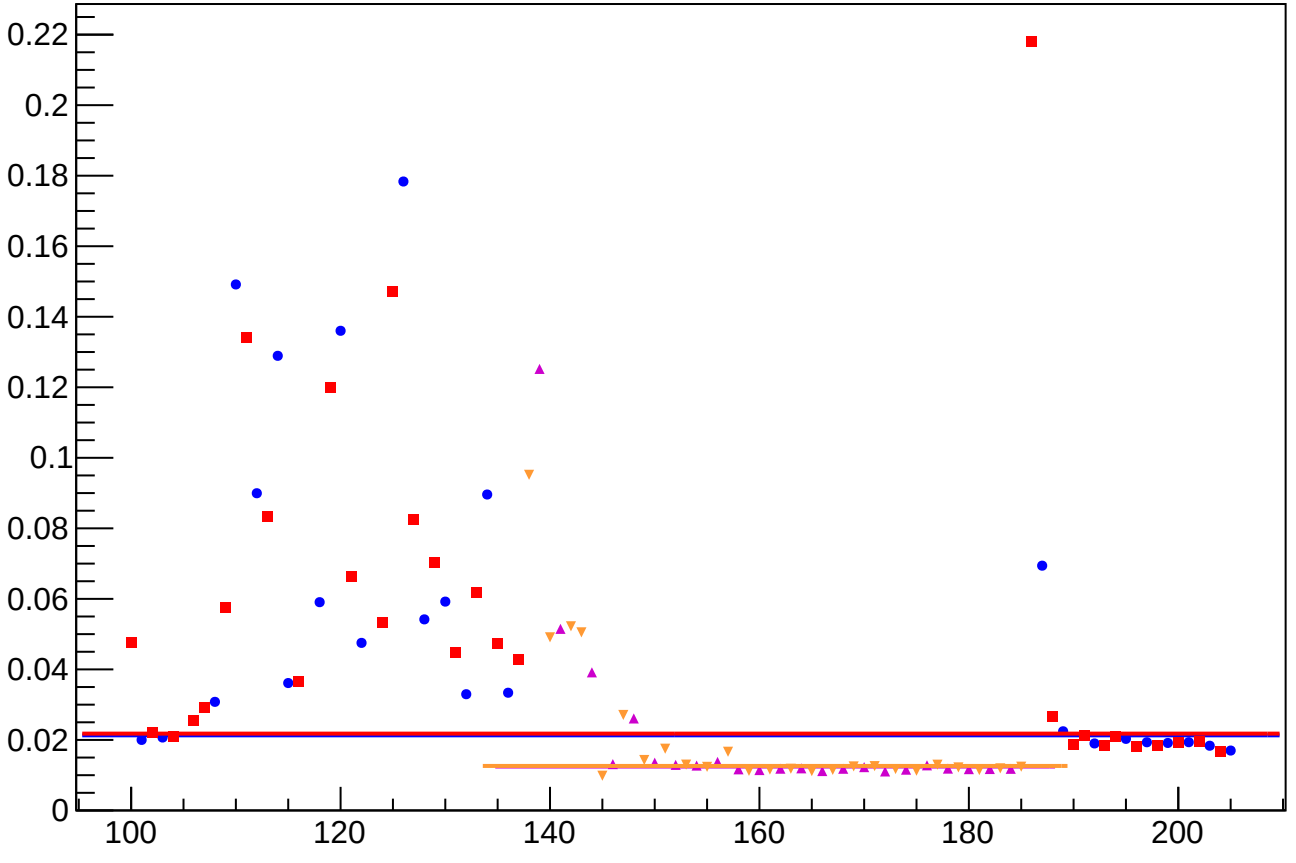
Right: 1.595+/-0.000 χ^2/NDF: 67961723519.5/54

In: 0.990+/-0.000 χ^2/NDF:660362146123.4/47

Out: 0.893+/-0.000 χ^2/NDF:585455253714.7/54

All: 0.941+/-0.000 χ^2/NDF: 1246383204587.

yield_bpm1Y_rms vs Slug, Sign Corrected



Right In: 0.021+/-0.000 χ^2/NDF: 4139941.7/24

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.022+/-0.000 χ^2/NDF: 5223186.1/29

Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

Left: 0.013+/-0.000 χ^2/NDF: 5950839.9/47

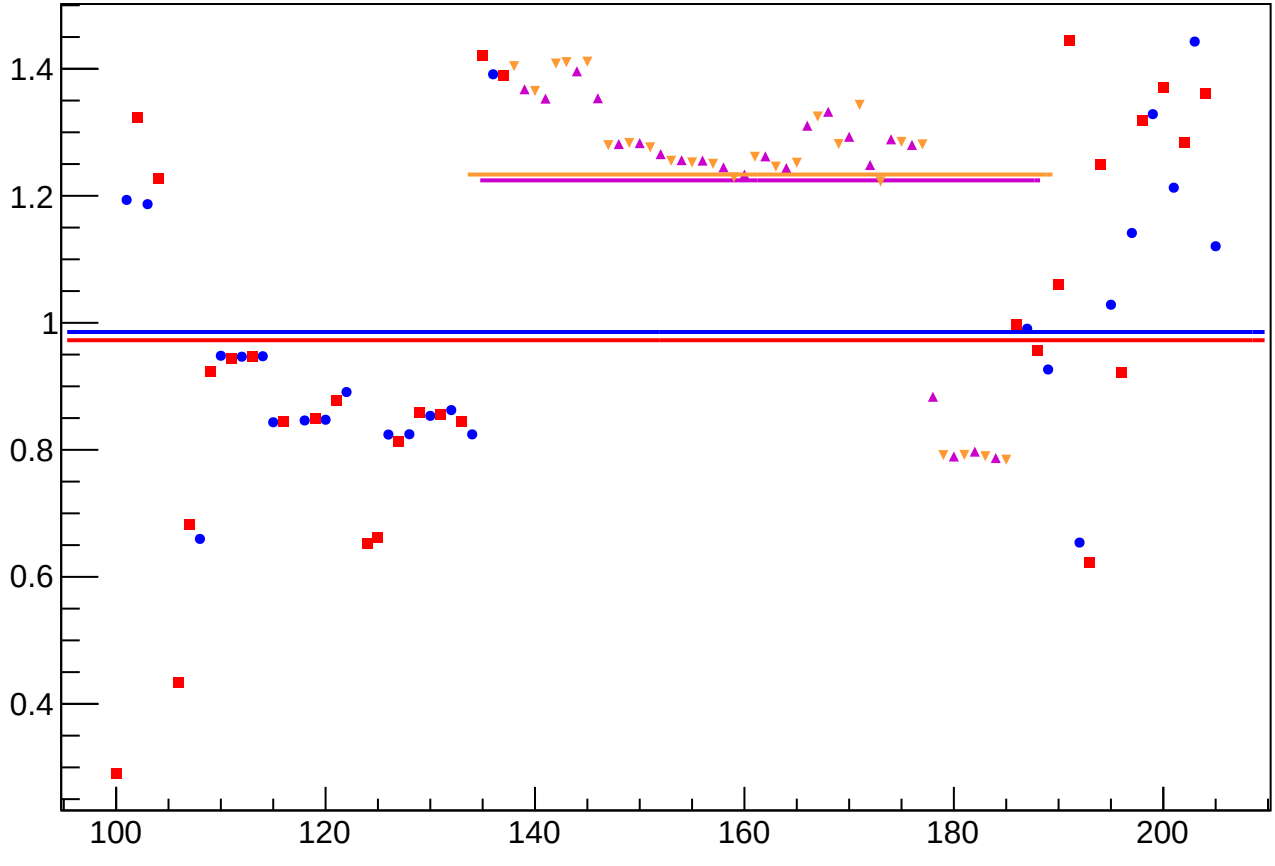
Right: 0.022+/-0.000 χ^2/NDF: 9367926.3/54

In: 0.014+/-0.000 χ^2/NDF:9508541.6/47

Out: 0.014+/-0.000 χ^2/NDF:11356300.8/54

All: 0.014+/-0.000 χ^2/NDF: 20875163.9/102

yield_bpm11X_mean vs Slug, Sign Corrected



Right In: 0.986+/-0.000 χ^2/NDF: 1861570441.6/24

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.973+/-0.000 χ^2/NDF: 2269802028.2/29

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

Left: 1.229+/-0.000 χ^2/NDF: 5701436778.1/47

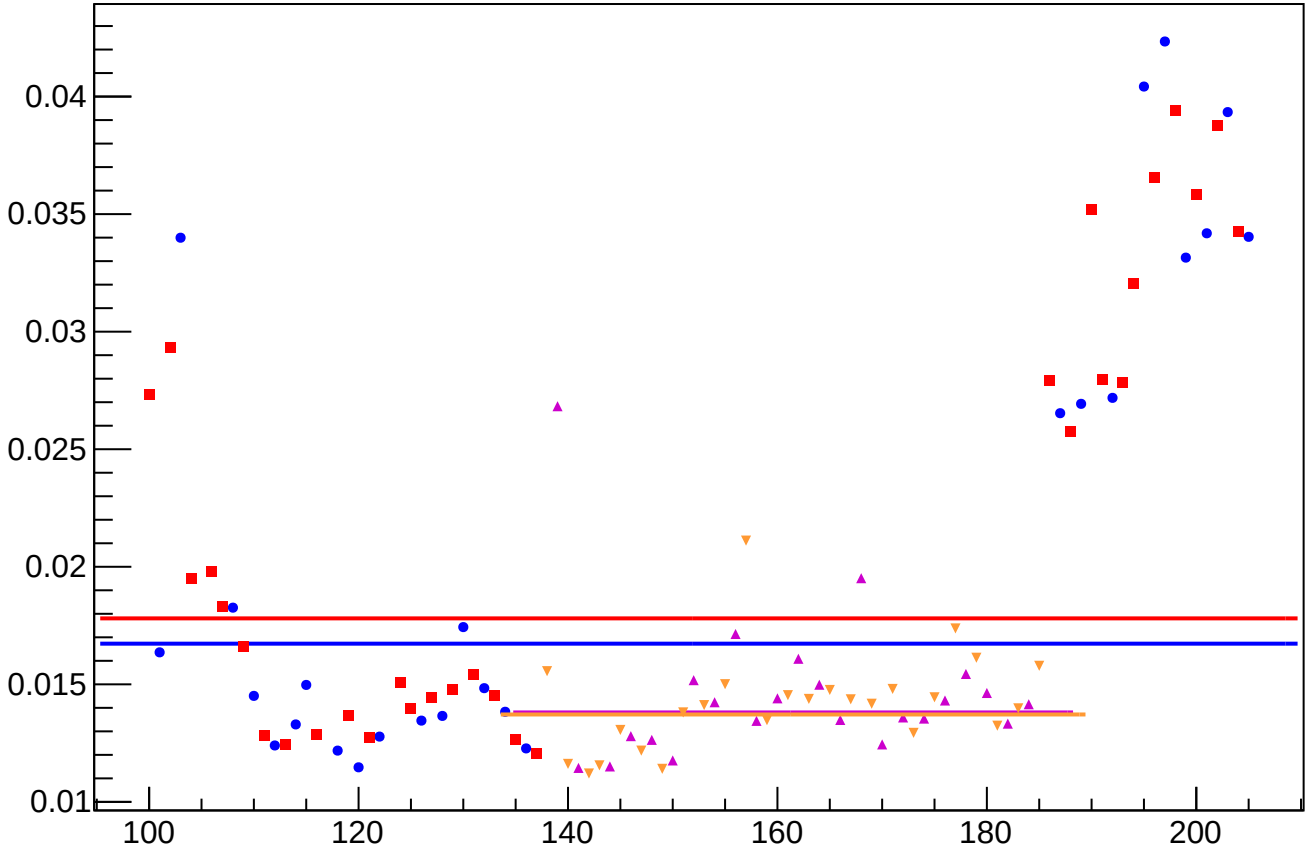
Right: 0.979+/-0.000 χ^2/NDF: 4134560230.5/54

In: 1.150+/-0.000 χ^2/NDF:6016896180.5/47

Out: 1.157+/-0.000 χ^2/NDF:7125041795.6/54

All: 1.154+/-0.000 χ^2/NDF: 13144218692.7/1

yield_bpm11X_rms vs Slug, Sign Corrected



Right In: 0.017+/-0.000 χ^2/NDF: 4456329.6/24

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

Right Out: 0.018+/-0.000 χ^2/NDF: 4375826.4/29

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

Left: 0.014+/-0.000 χ^2/NDF: 1421553.5/47

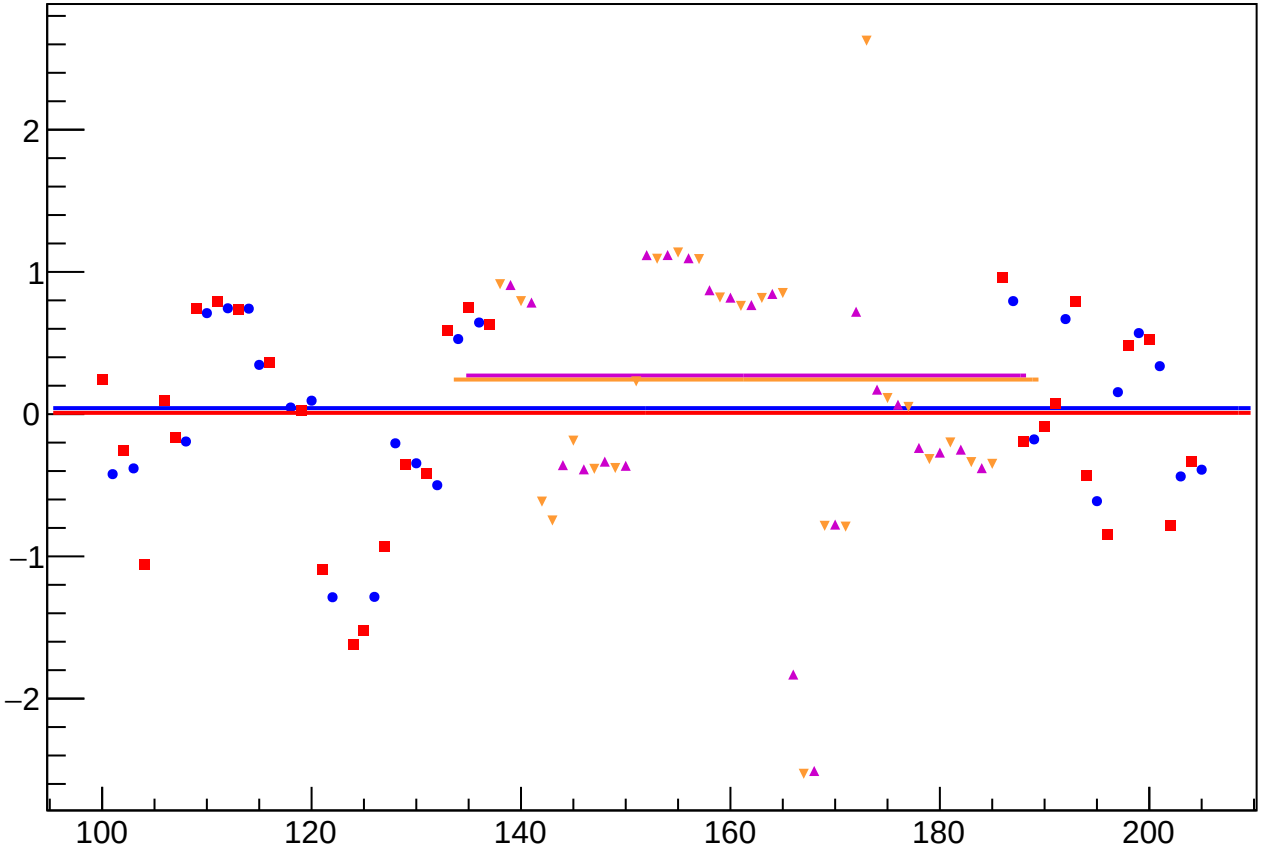
Right: 0.017+/-0.000 χ^2/NDF: 8876027.8/54

In: 0.015+/-0.000 χ^2/NDF:5777227.8/47

Out: 0.015+/-0.000 χ^2/NDF:5815470.0/54

All: 0.015+/-0.000 χ^2/NDF: 11598509.9/102

yield_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.042+/-0.000 χ^2/NDF: 22749001428.0/24

Left Out: 0.243+/-0.000 χ^2/NDF:105591710525.9/24

Right Out: 0.009+/-0.000 χ^2/NDF: 34063518107.2/29

Left In: 0.271+/-0.000 χ^2/NDF:90500933388.6/22

Left: 0.257+/-0.000 χ^2/NDF: 196139241247.8/47

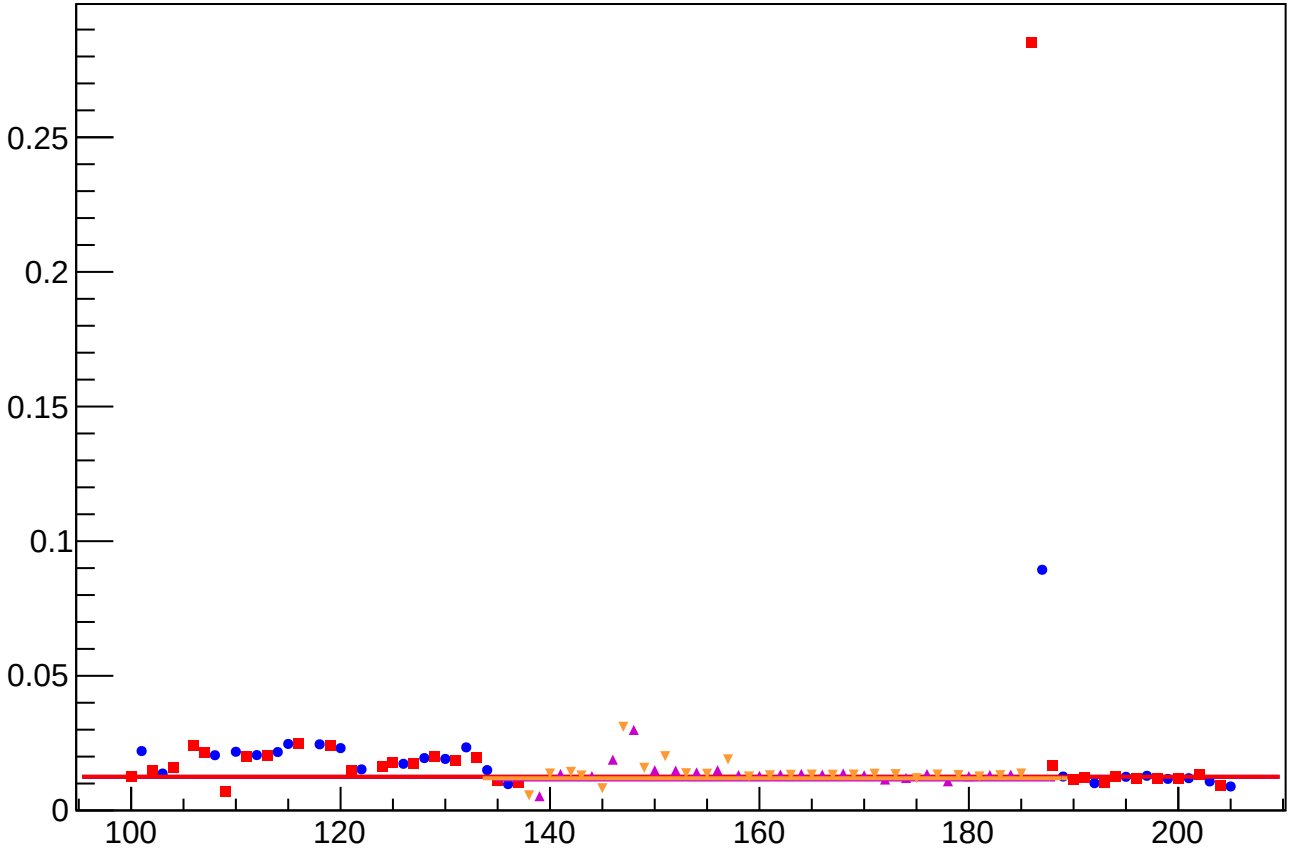
Right: 0.025+/-0.000 χ^2/NDF: 56855011341.1/54

In: 0.183+/-0.000 χ^2/NDF:115643540172.2/47

Out: 0.149+/-0.000 χ^2/NDF:142252674795.0/54

All: 0.166+/-0.000 χ^2/NDF: 258007073508.6

yield_bpm11Y_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 2422000.1/24

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2862027.4/29

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

Left: 0.012+/-0.000 χ^2/NDF: 6962181.1/47

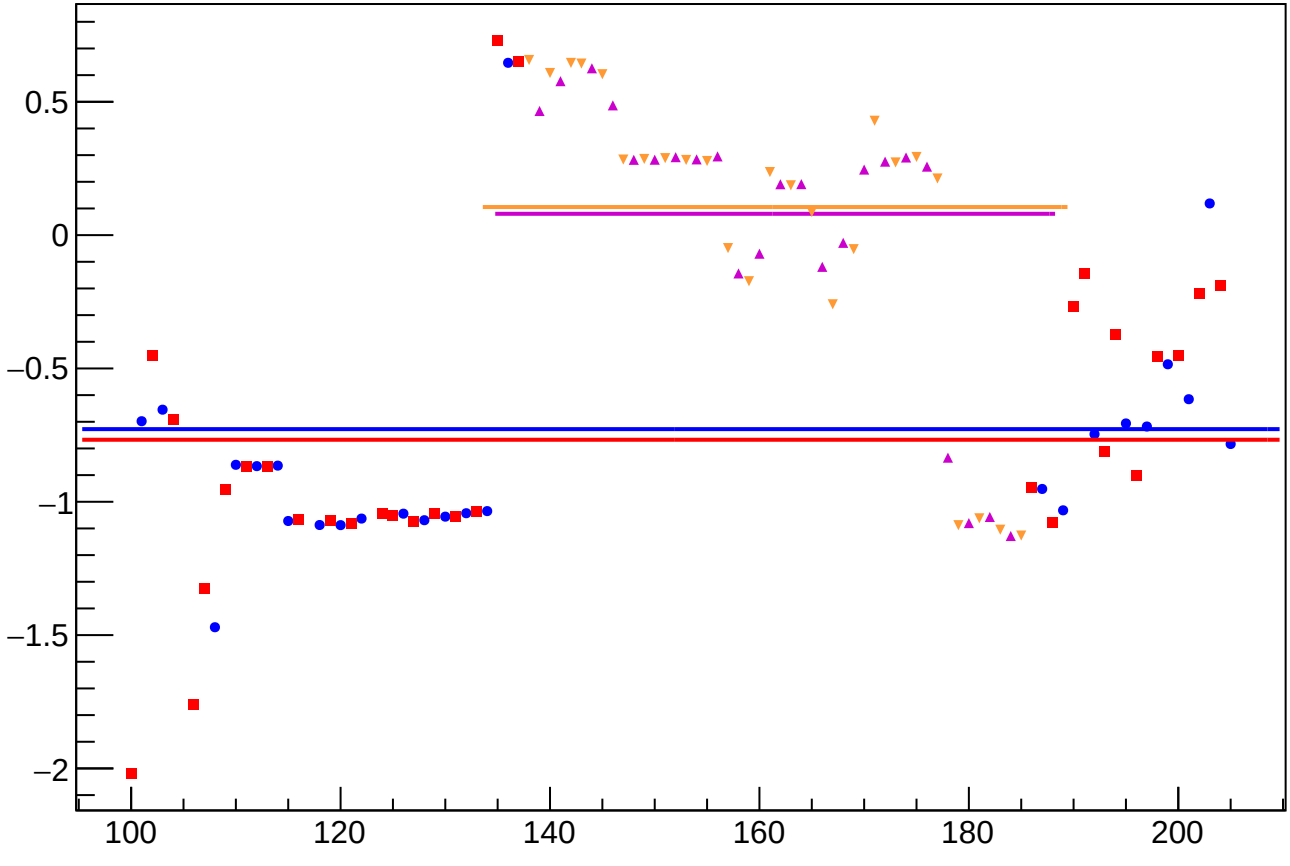
Right: 0.013+/-0.000 χ^2/NDF: 5284141.1/54

In: 0.012+/-0.000 χ^2/NDF:6183670.5/47

Out: 0.012+/-0.000 χ^2/NDF:6159225.1/54

All: 0.012+/-0.000 χ^2/NDF: 12361176.3/102

yield_bpm12X_mean vs Slug, Sign Corrected



Right In: -0.728+/-0.000 χ^2/NDF: 2162474262.1/24

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.767+/-0.000 χ^2/NDF: 2069092521.3/29

Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

Left: 0.093+/-0.000 χ^2/NDF: 7060999344.9/47

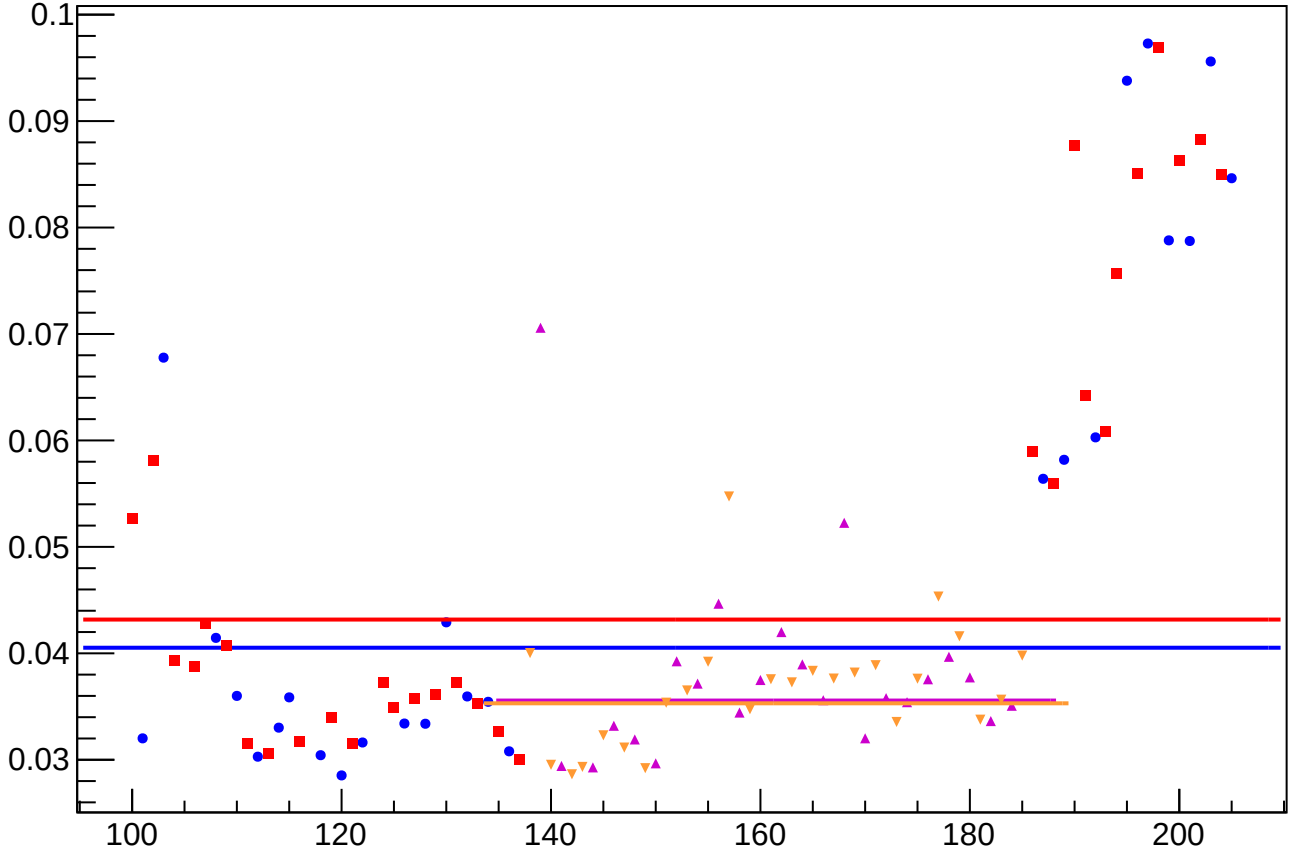
Right: -0.747+/-0.000 χ^2/NDF: 4236801905.0/54

In: -0.197+/-0.000 χ^2/NDF:8281236515.0/47

Out: -0.180+/-0.000 χ^2/NDF:9215650478.3/54

All: -0.188+/-0.000 χ^2/NDF: 17499875675.2/

yield_bpm12X_rms vs Slug, Sign Corrected



Right In: 0.041+/-0.000 χ^2/NDF: 4049290.0/24

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.043+/-0.000 χ^2/NDF: 3842419.4/29

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

Left: 0.035+/-0.000 χ^2/NDF: 1573892.0/47

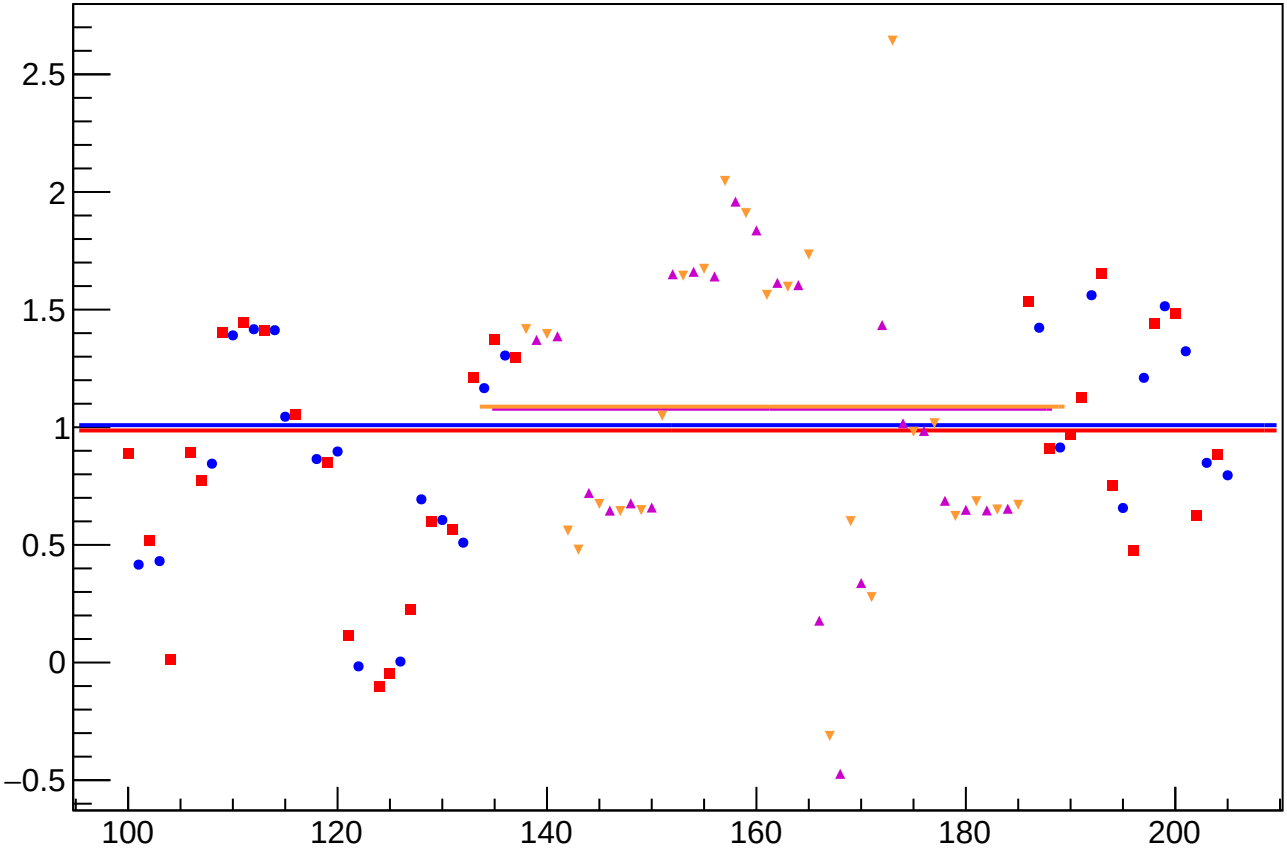
Right: 0.042+/-0.000 χ^2/NDF: 7937942.8/54

In: 0.037+/-0.000 χ^2/NDF:5224885.1/47

Out: 0.038+/-0.000 χ^2/NDF:5001176.4/54

All: 0.038+/-0.000 χ^2/NDF: 10233350.8/102

yield_bpm12Y_mean vs Slug, Sign Corrected



Right In: 1.009+/-0.000 χ^2/NDF: 27052447685.0/24

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.986+/-0.000 χ^2/NDF: 34946887366.8/29

Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

Left: 1.083+/-0.000 χ^2/NDF: 167940854654.3/47

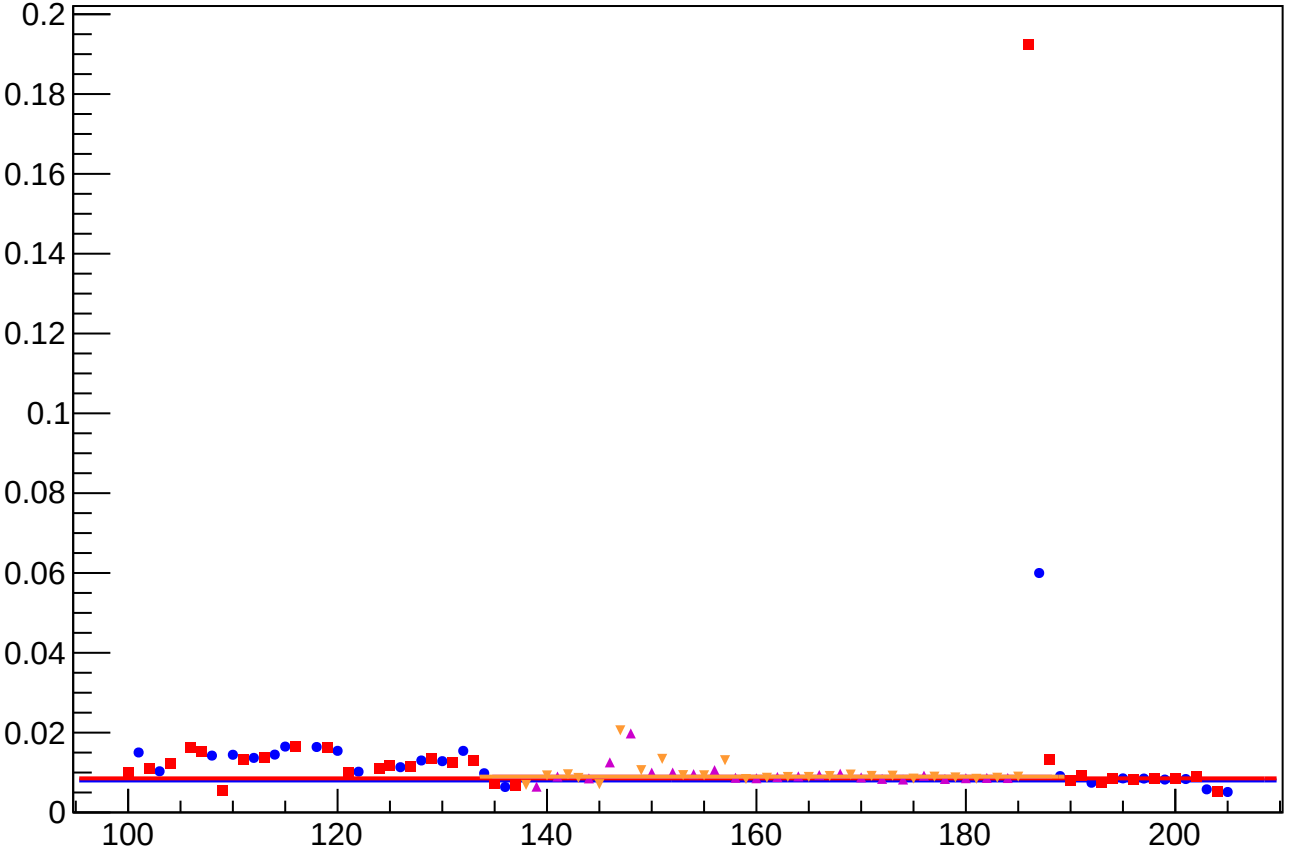
Right: 0.998+/-0.000 χ^2/NDF: 62043657307.7/54

In: 1.047+/-0.000 χ^2/NDF:101606756031.1/47

Out: 1.044+/-0.000 χ^2/NDF:129797000728.8/54

All: 1.045+/-0.000 χ^2/NDF: 231405525080.7

yield_bpm12Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 3028252.0/24

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 3156268.0/29

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

Left: 0.009+/-0.000 χ^2/NDF: 2113402.8/47

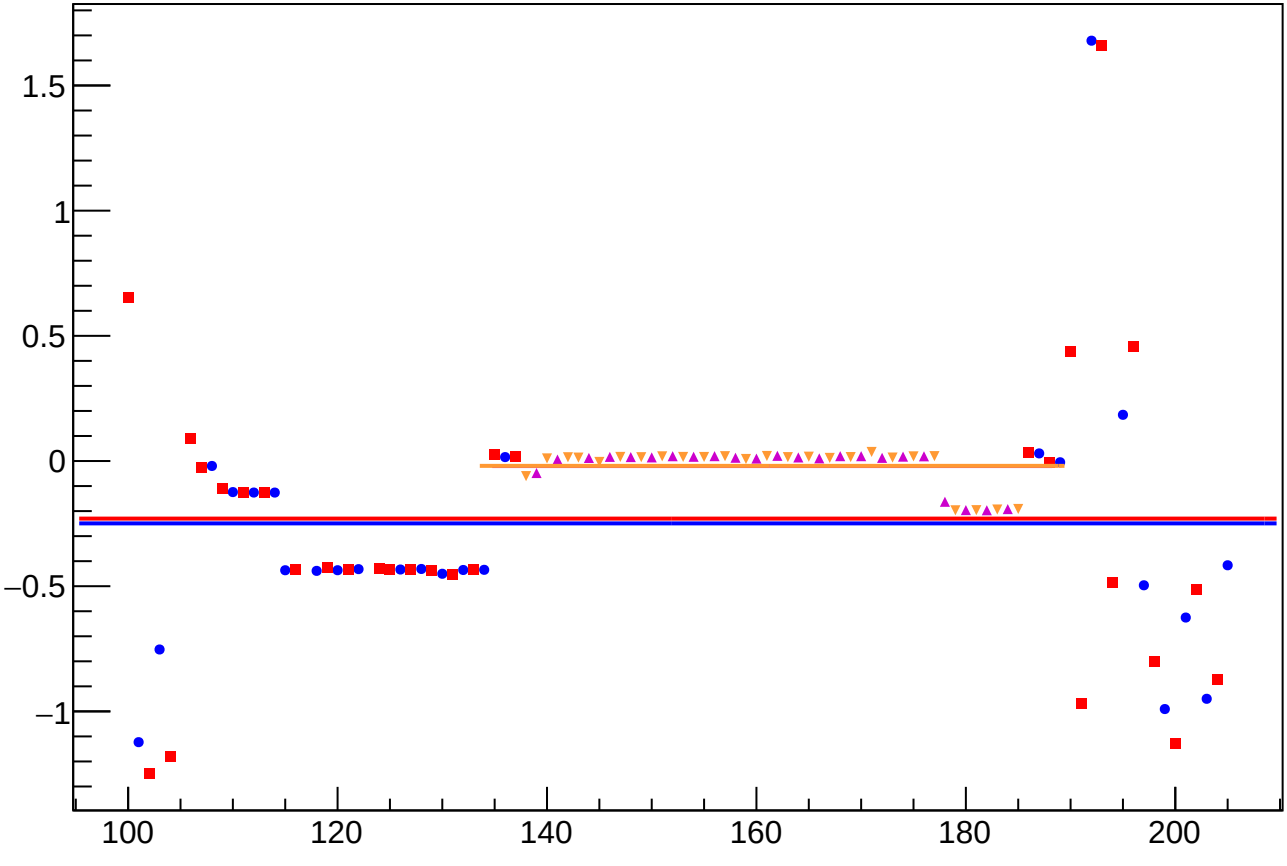
Right: 0.008+/-0.000 χ^2/NDF: 6232014.2/54

In: 0.009+/-0.000 χ^2/NDF:4163410.1/47

Out: 0.009+/-0.000 χ^2/NDF:4339865.7/54

All: 0.009+/-0.000 χ^2/NDF: 8530387.3/102

yield_bpm16X_mean vs Slug, Sign Corrected



Right In: -0.249+/-0.000 χ^2/NDF: 3307727561.5/24

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.230+/-0.000 χ^2/NDF: 3051486290.1/29

Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

Left: -0.020+/-0.000 χ^2/NDF: 2043130063.5/47

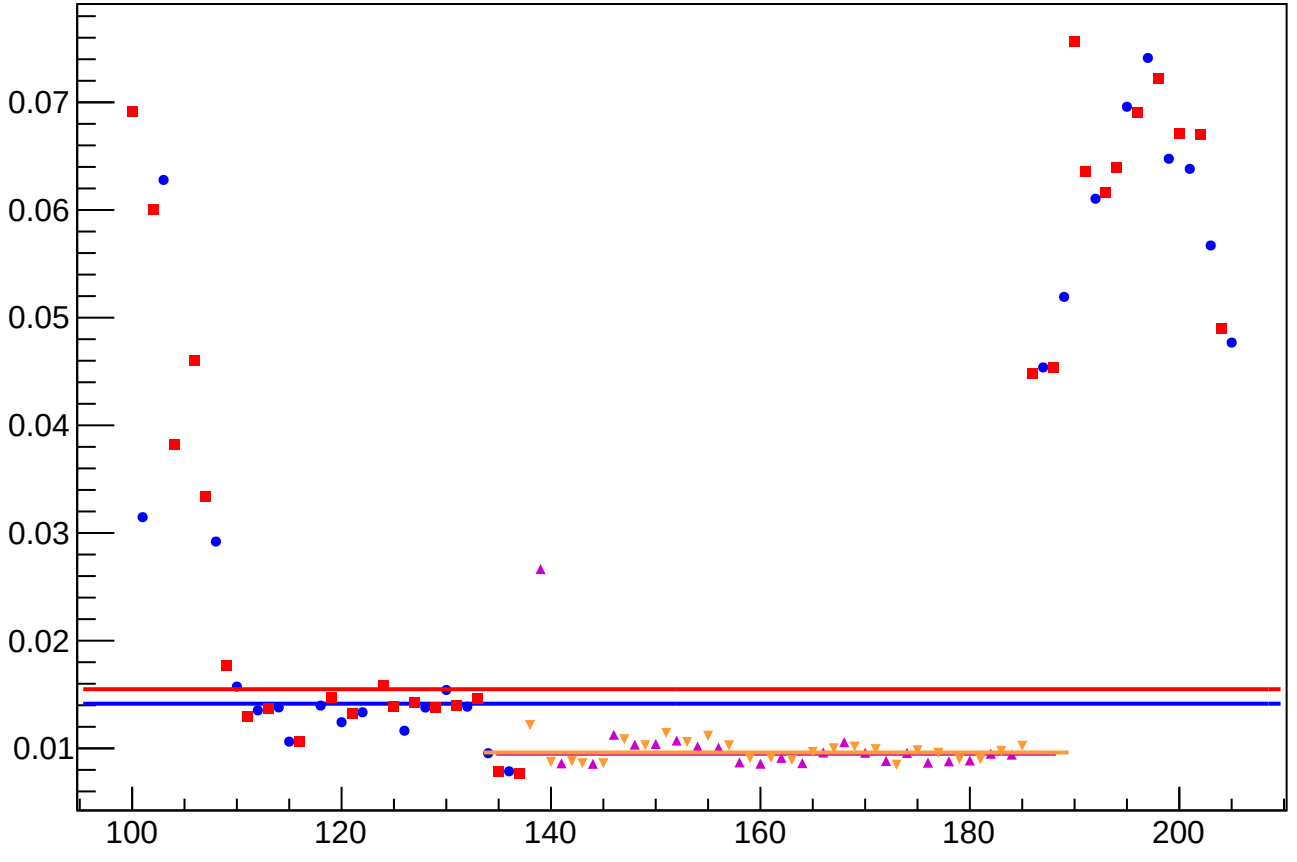
Right: -0.240+/-0.000 χ^2/NDF: 6365690724.4/54

In: -0.062+/-0.000 χ^2/NDF:5895890763.7/47

Out: -0.053+/-0.000 χ^2/NDF:5374556624.2/54

All: -0.057+/-0.000 χ^2/NDF: 11277831338.0/

yield_bpm16X_rms vs Slug, Sign Corrected



Right In: 0.014+/-0.000 χ^2/NDF: 9922413.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 11136439.6/29

Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

Left: 0.010+/-0.000 χ^2/NDF: 1174797.3/47

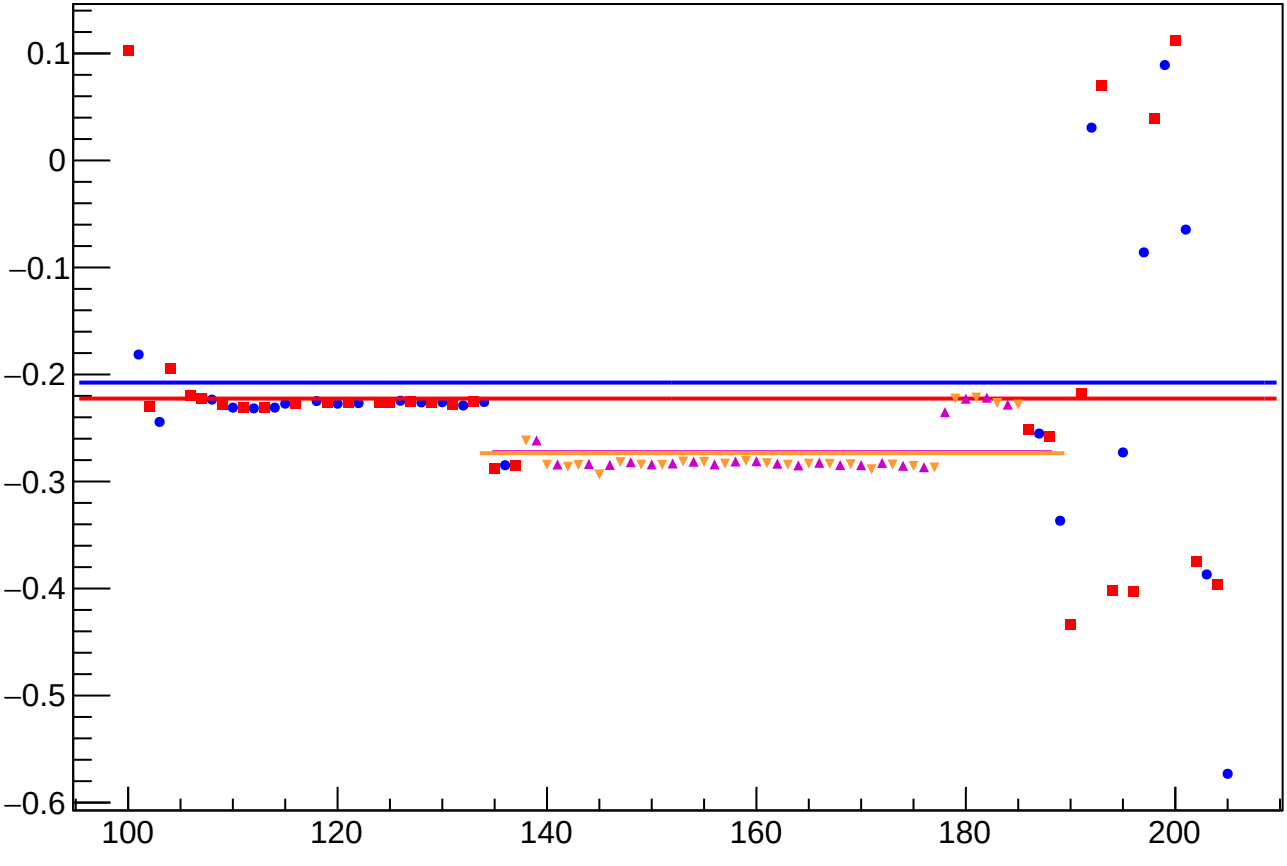
Right: 0.015+/-0.000 χ^2/NDF: 21123134.3/54

In: 0.010+/-0.000 χ^2/NDF:12145350.1/47

Out: 0.011+/-0.000 χ^2/NDF:13376023.0/54

All: 0.010+/-0.000 χ^2/NDF: 25531414.6/102

yield_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.208+/-0.000 χ^2/NDF: 8140462269.1/24

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.222+/-0.000 χ^2/NDF: 9254651959.2/29

Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

Left: -0.273+/-0.000 χ^2/NDF: 730998387.7/47

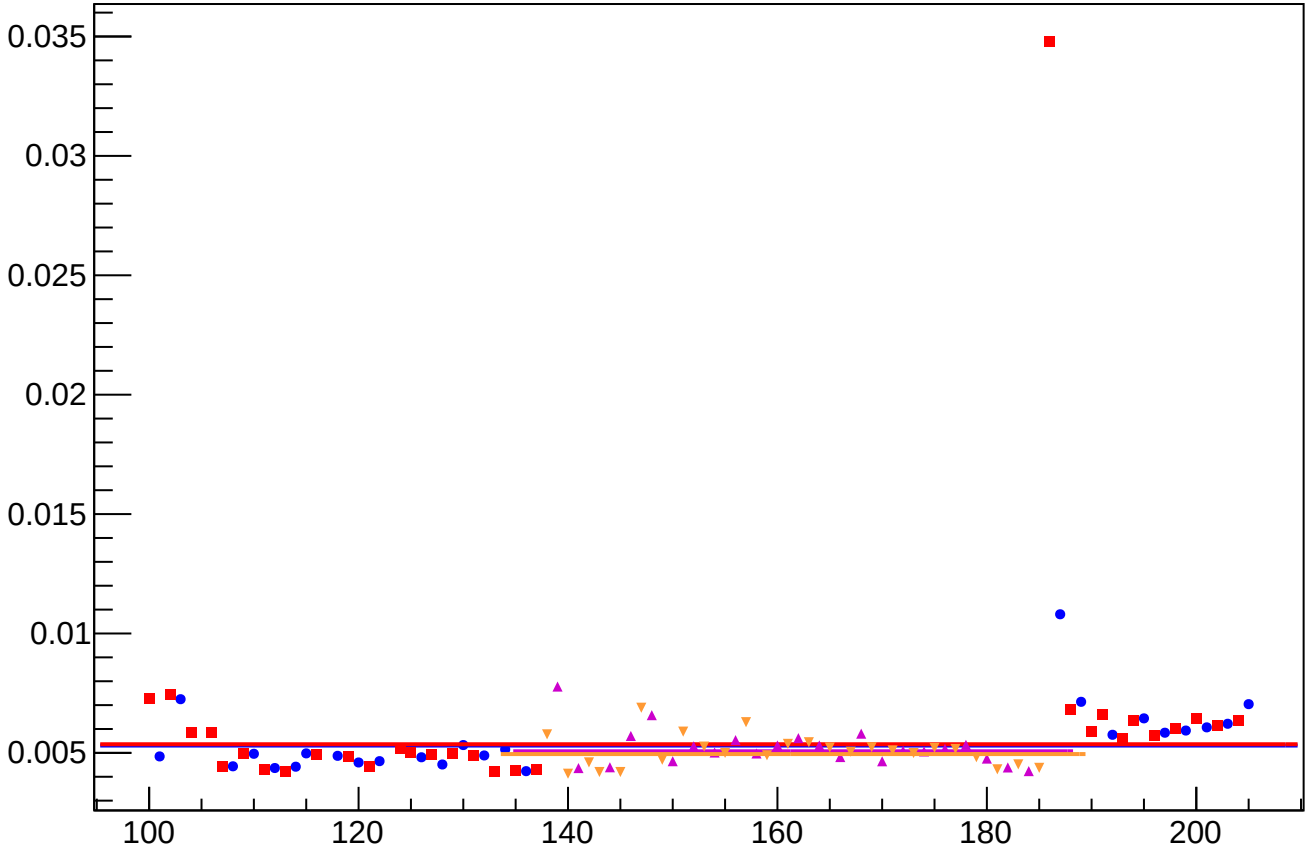
Right: -0.215+/-0.000 χ^2/NDF: 17446825287.6/54

In: -0.246+/-0.000 χ^2/NDF:9612269378.6/47

Out: -0.253+/-0.000 χ^2/NDF:10406067767.5/54

All: -0.250+/-0.000 χ^2/NDF: 20046587109.2/

yield_bpm16Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 770144.4/24

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1314196.7/29

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

Left: 0.005+/-0.000 χ^2/NDF: 1077679.9/47

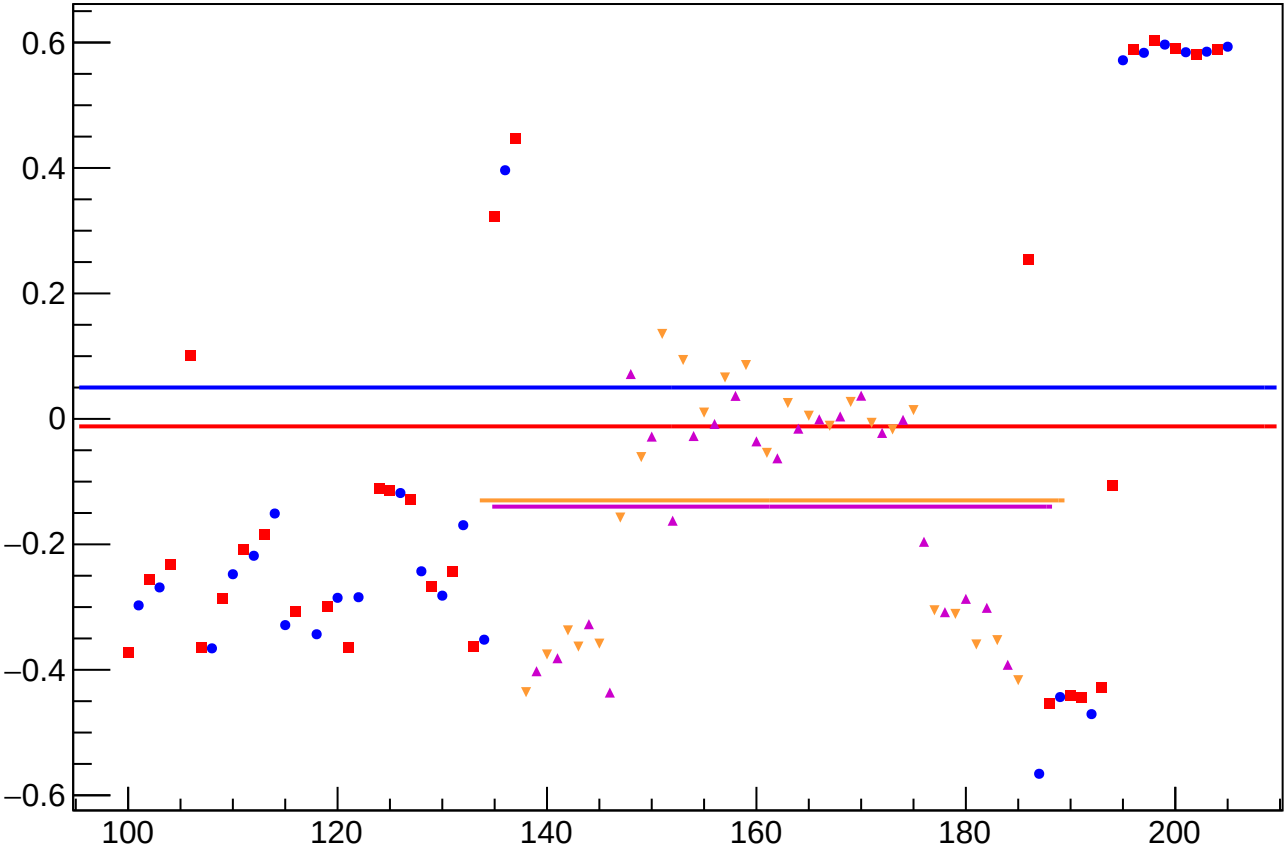
Right: 0.005+/-0.000 χ^2/NDF: 2085666.6/54

In: 0.005+/-0.000 χ^2/NDF:1340811.6/47

Out: 0.005+/-0.000 χ^2/NDF:1941199.5/54

All: 0.005+/-0.000 χ^2/NDF: 3285114.7/102

yield_bpm0i02X_mean vs Slug, Sign Corrected



Right In: 0.050+/-0.000 χ^2/NDF: 55851680245.0/24

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: -0.012+/-0.000 χ^2/NDF: 52236834769.5/29

Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

Left: -0.135+/-0.000 χ^2/NDF: 36673480193.4/47

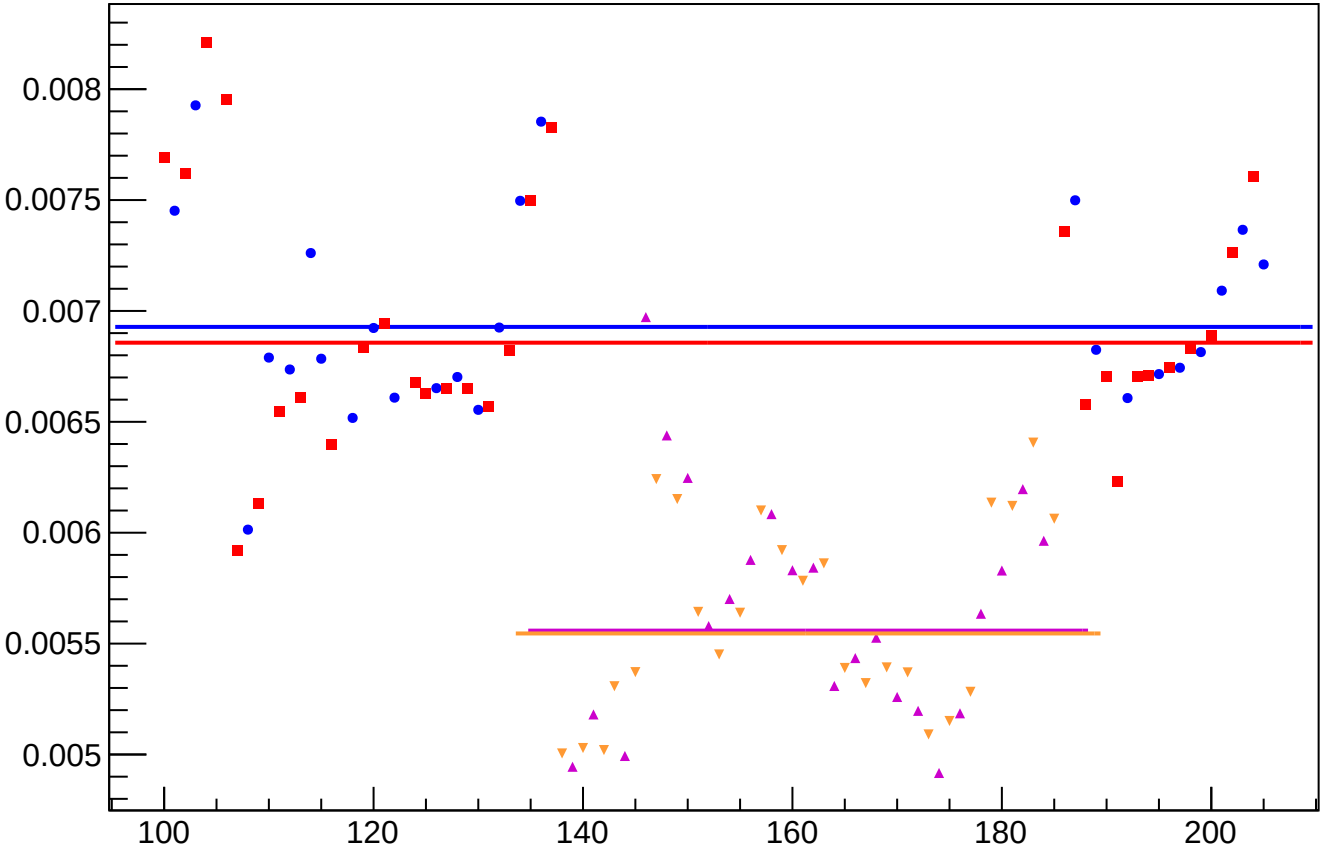
Right: 0.017+/-0.000 χ^2/NDF: 108671045147.5/54

In: -0.075+/-0.000 χ^2/NDF:77854836507.6/47

Out: -0.089+/-0.000 χ^2/NDF:76633382062.4/54

All: -0.082+/-0.000 χ^2/NDF: 154567276687.4

yield_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 105158.4/24

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 136163.7/29

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

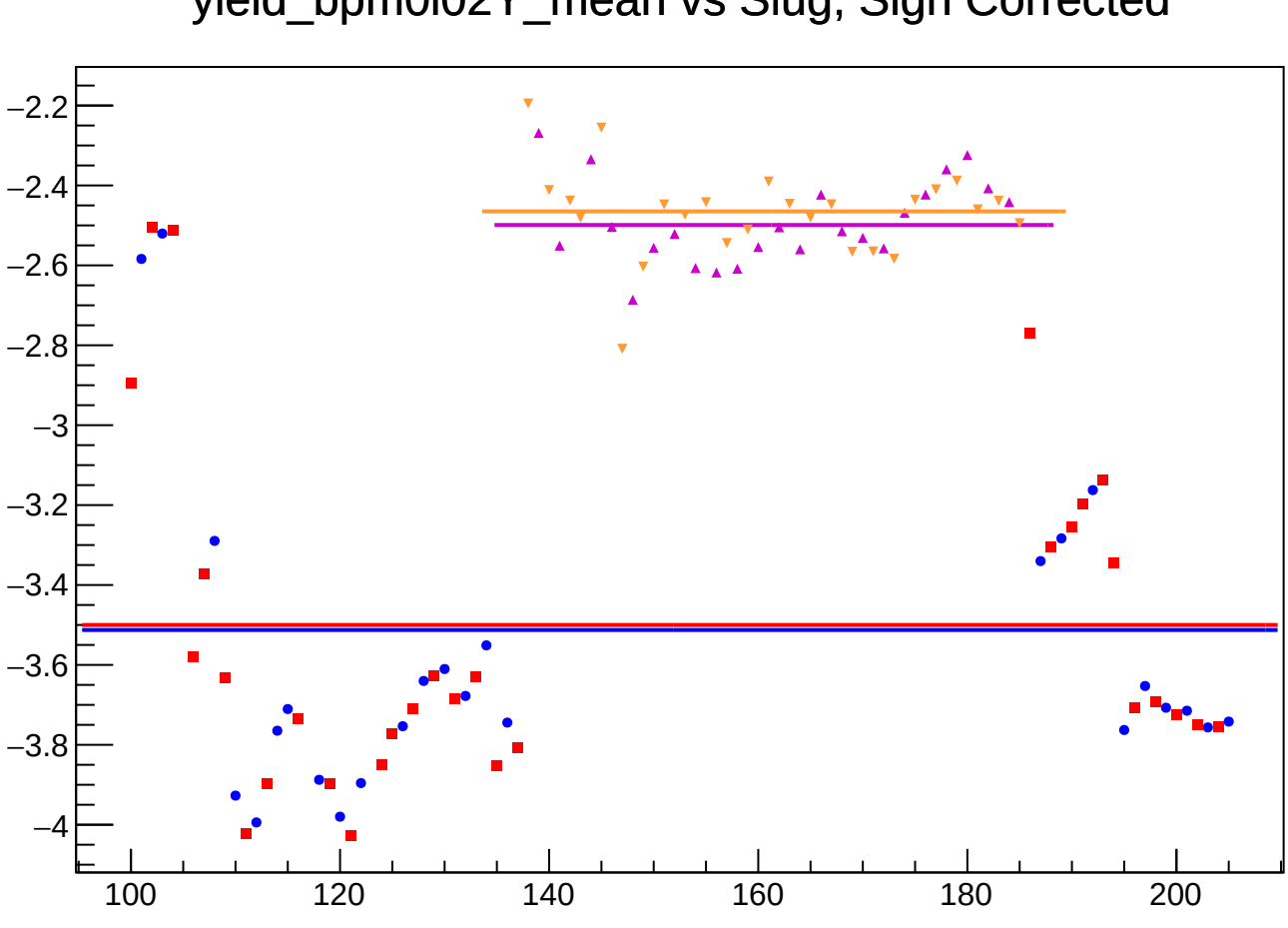
Left: 0.006+/-0.000 χ^2/NDF: 462963.1/47

Right: 0.007+/-0.000 χ^2/NDF: 242858.5/54

In: 0.006+/-0.000 χ^2/NDF:1078928.7/47

Out: 0.006+/-0.000 χ^2/NDF:1054269.8/54

All: 0.006+/-0.000 χ^2/NDF: 2133563.4/102



Right In: -3.513+/-0.000 χ^2/NDF: 32484290743.2/24

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.500+/-0.000 χ^2/NDF: 34368372222.9/29

Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

Left: -2.482+/-0.000 χ^2/NDF: 4579764851.4/47

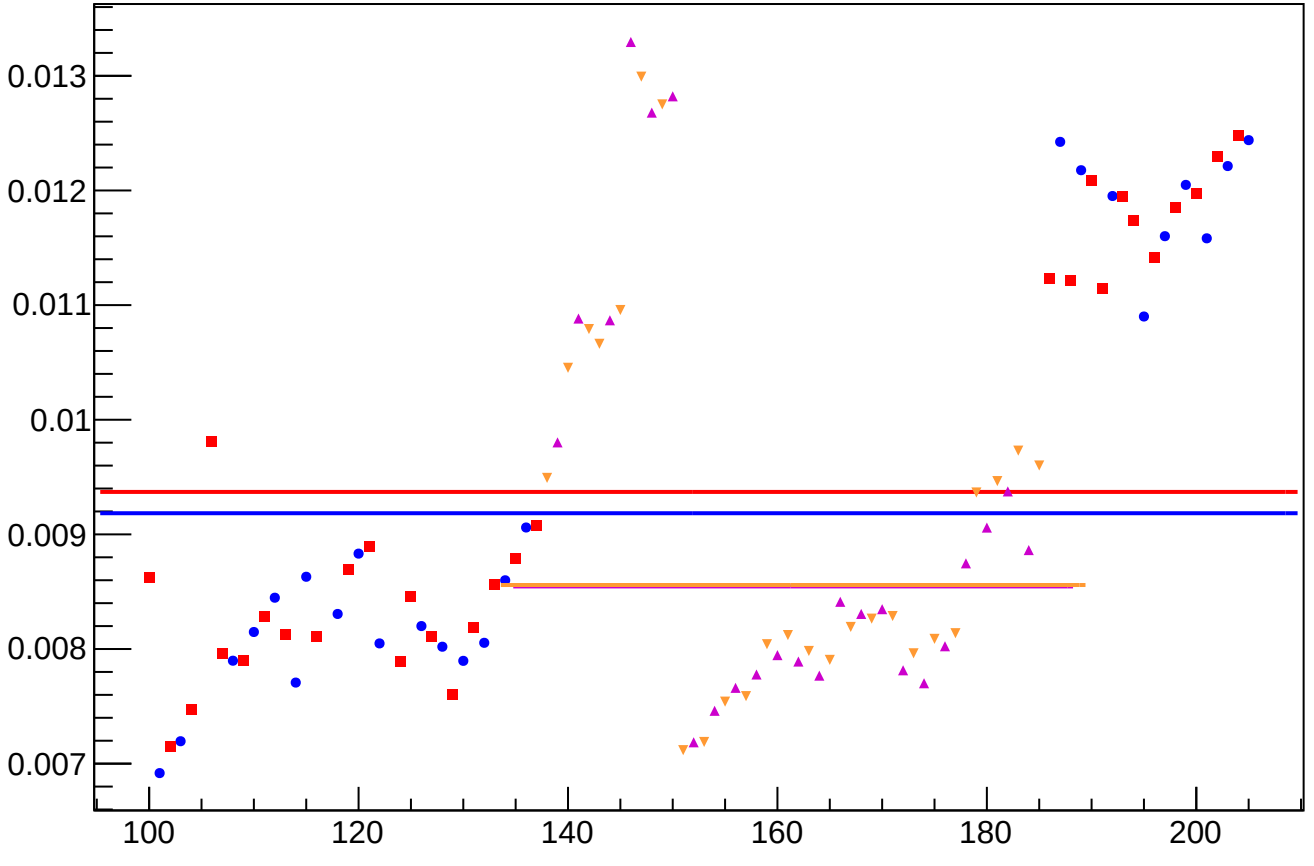
Right: -3.506+/-0.000 χ^2/NDF: 66865219888.6/54

In: -2.906+/-0.000 χ^2/NDF:131179361419.0/47

Out: -2.879+/-0.000 χ^2/NDF:142210770664.4/54

All: -2.892+/-0.000 χ^2/NDF: 273536647299.2

yield_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 1077833.3/24

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1086220.6/29

Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

Left: 0.009+/-0.000 χ^2/NDF: 1734826.3/47

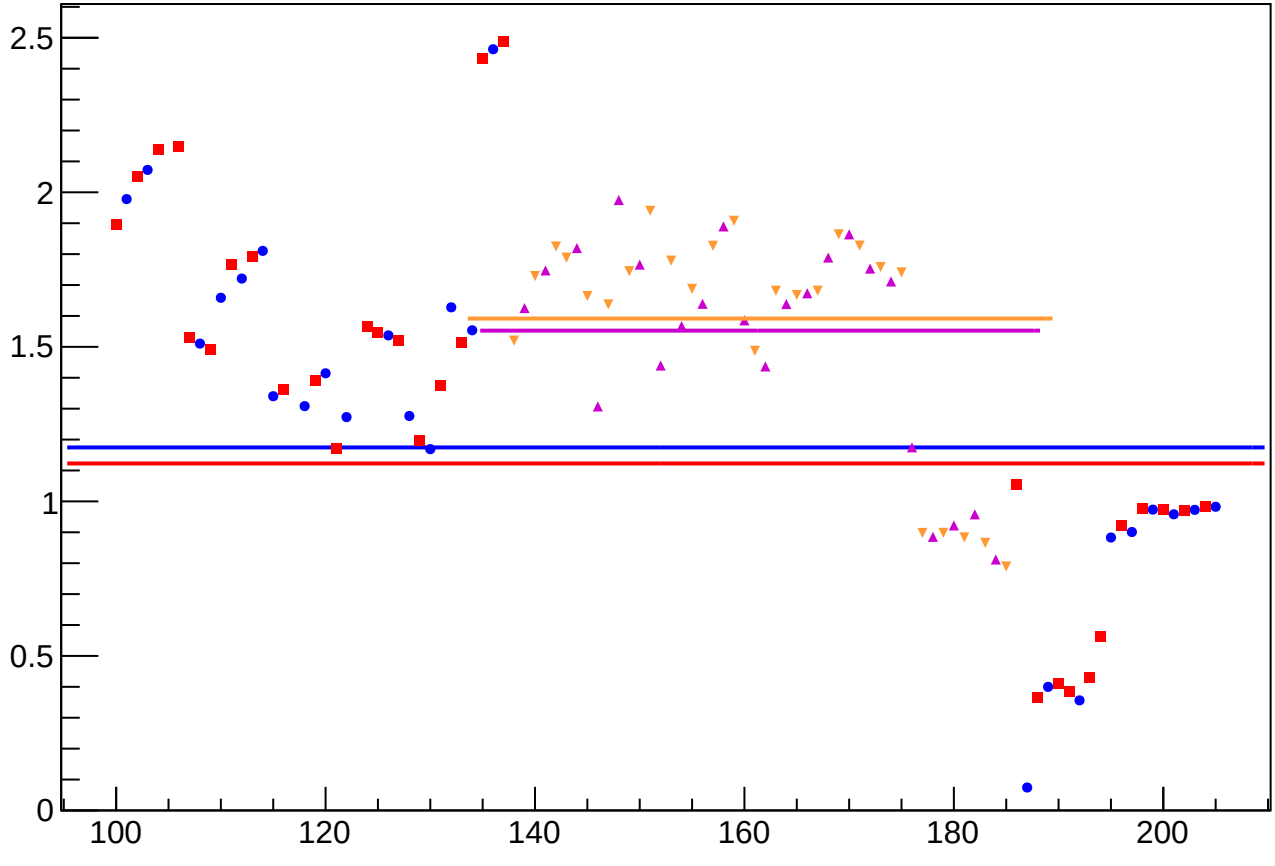
Right: 0.009+/-0.000 χ^2/NDF: 2169593.2/54

In: 0.009+/-0.000 χ^2/NDF:2065154.4/47

Out: 0.009+/-0.000 χ^2/NDF:2040318.0/54

All: 0.009+/-0.000 χ^2/NDF: 4108082.4/102

yield_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: 1.175+/-0.000 χ^2/NDF: 29161578290.7/24

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.123+/-0.000 χ^2/NDF: 34317633615.7/29

Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

Left: 1.573+/-0.000 χ^2/NDF: 31243382500.9/47

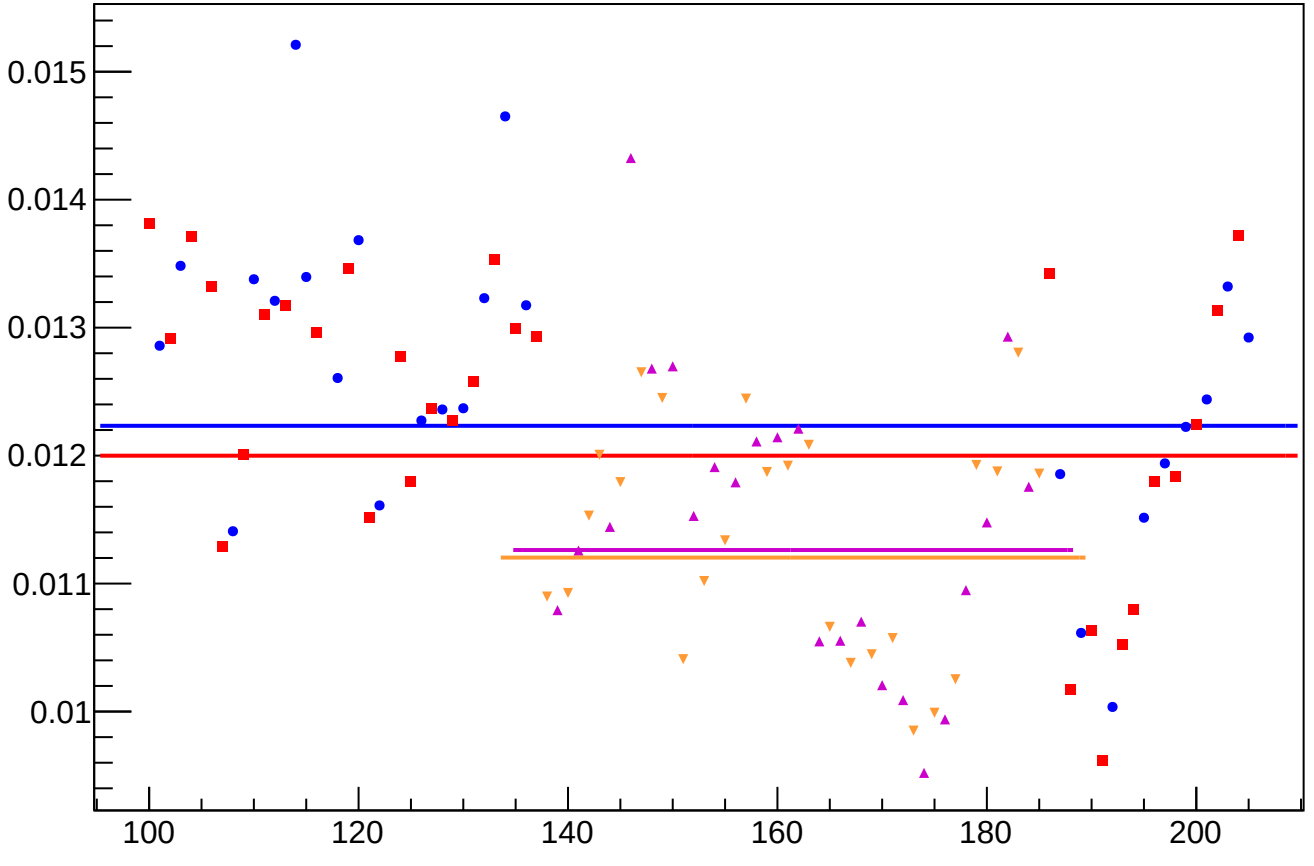
Right: 1.147+/-0.000 χ^2/NDF: 63609879567.1/54

In: 1.401+/-0.000 χ^2/NDF:51040110890.1/47

Out: 1.398+/-0.000 χ^2/NDF:64751855100.2/54

All: 1.399+/-0.000 χ^2/NDF: 115793038135.9

yield_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 224363.0/24

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

Right Out: 0.012+/-0.000 χ^2/NDF: 290029.0/29

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

Left: 0.011+/-0.000 χ^2/NDF: 535750.7/47

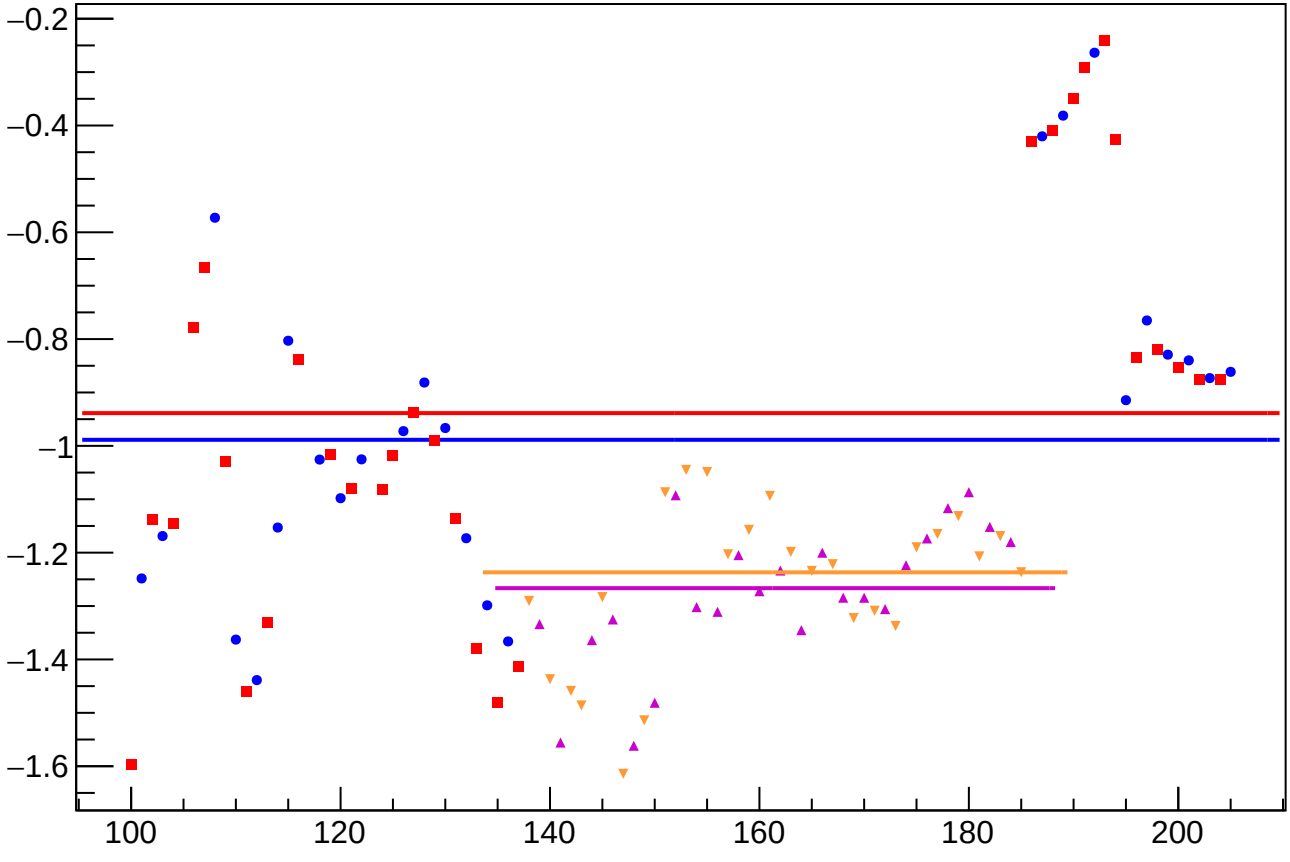
Right: 0.012+/-0.000 χ^2/NDF: 519688.3/54

In: 0.012+/-0.000 χ^2/NDF:639251.1/47

Out: 0.012+/-0.000 χ^2/NDF:590645.7/54

All: 0.012+/-0.000 χ^2/NDF: 1233306.8/102

yield_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: -0.989+/-0.000 χ^2/NDF: 11785472320.8/24

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.939+/-0.000 χ^2/NDF: 16598180050.9/29

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

Left: -1.251+/-0.000 χ^2/NDF: 8764581472.4/47

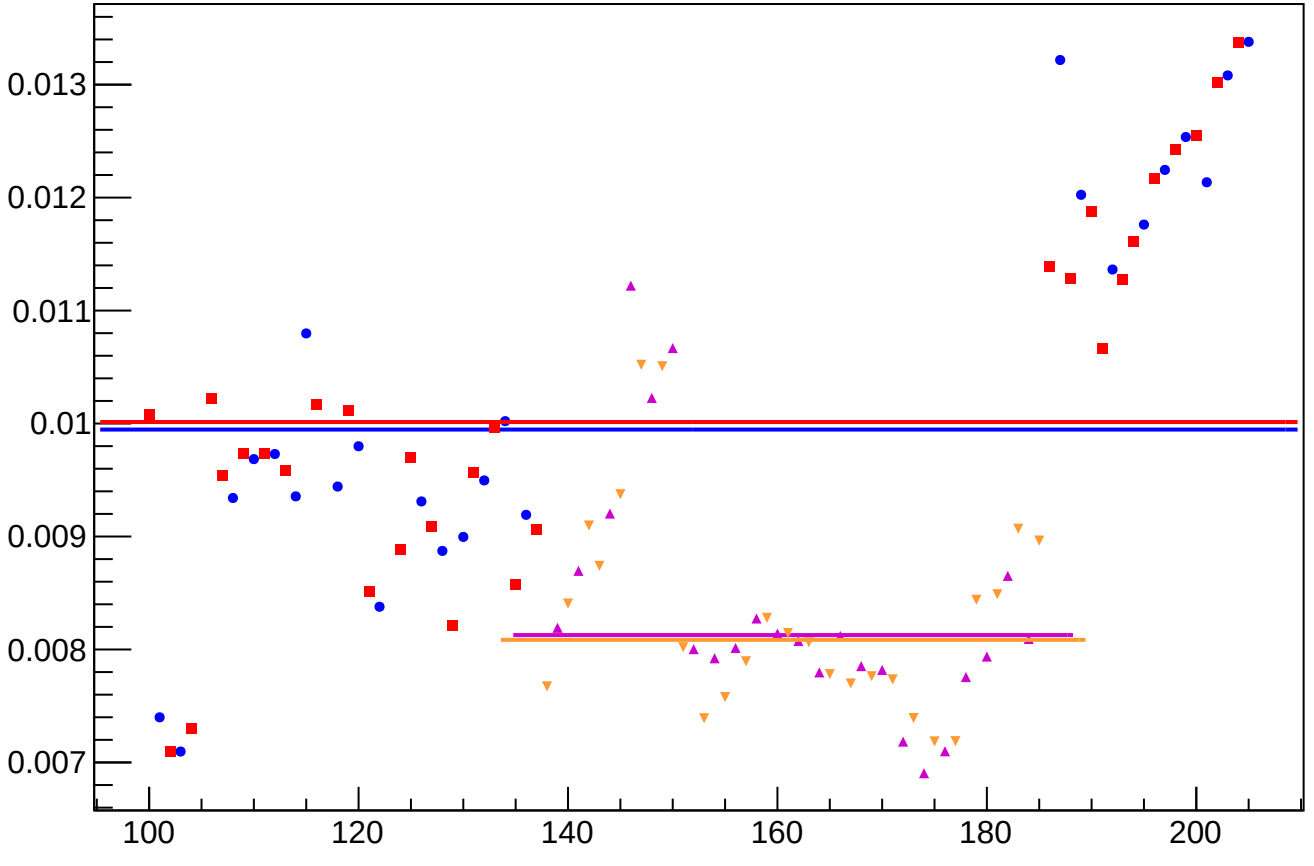
Right: -0.963+/-0.000 χ^2/NDF: 28555950009.1/54

In: -1.172+/-0.000 χ^2/NDF:22243543027.8/47

Out: -1.135+/-0.000 χ^2/NDF:29952796860.5/54

All: -1.153+/-0.000 χ^2/NDF: 52475718584.9/

yield_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 929142.9/24

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 950705.5/29

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

Left: 0.008+/-0.000 χ^2/NDF: 736335.1/47

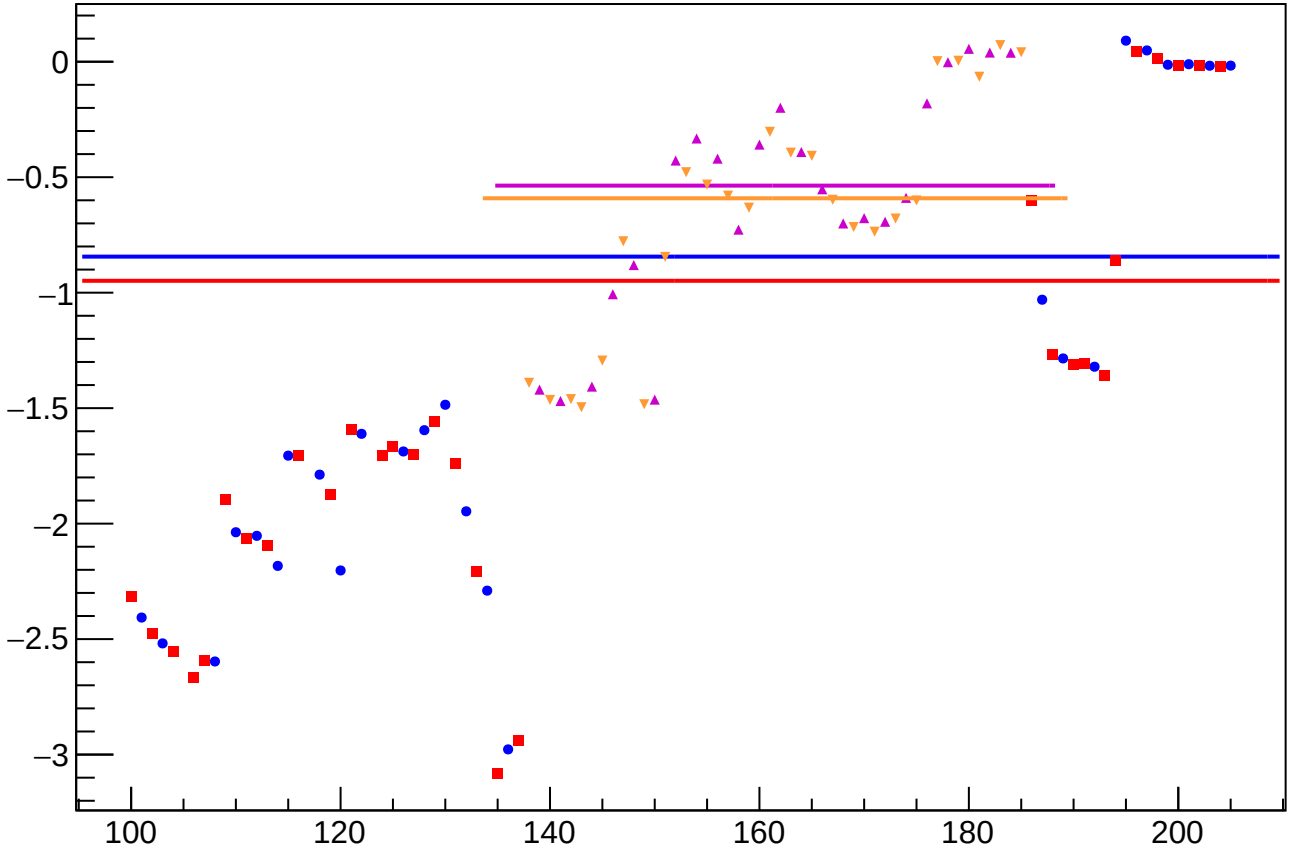
Right: 0.010+/-0.000 χ^2/NDF: 1880462.1/54

In: 0.009+/-0.000 χ^2/NDF:1919664.5/47

Out: 0.009+/-0.000 χ^2/NDF:1978321.3/54

All: 0.009+/-0.000 χ^2/NDF: 3897986.8/102

yield_bpm0i05X_mean vs Slug, Sign Corrected



Right In: -0.844+/-0.000 χ^2/NDF: 337819324522.1/24

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.949+/-0.000 χ^2/NDF: 340531107915.8/29

Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

Left: -0.564+/-0.000 χ^2/NDF: 143410113051.4/47

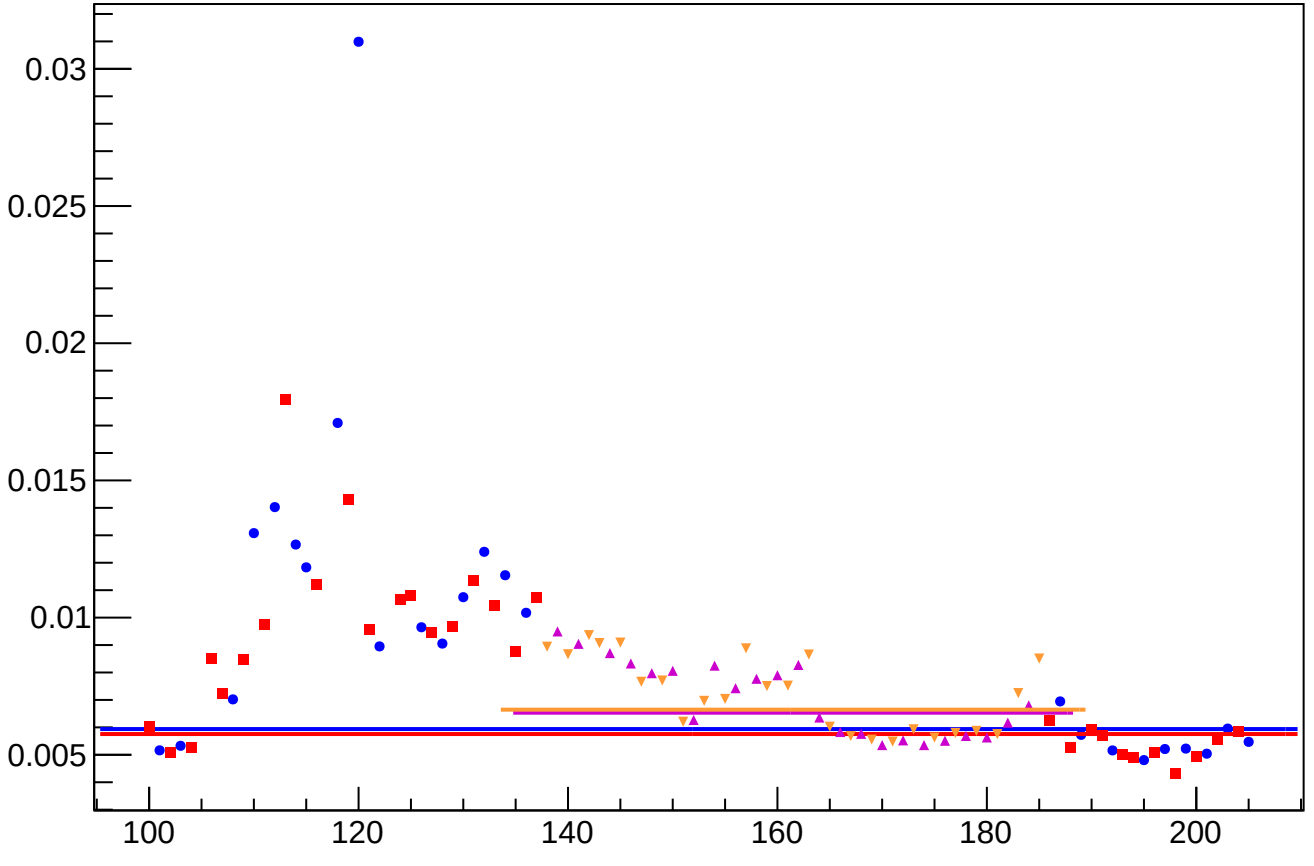
Right: -0.901+/-0.000 χ^2/NDF: 680222984981.4/54

In: -0.677+/-0.000 χ^2/NDF:424059810997.3/47

Out: -0.769+/-0.000 χ^2/NDF:437296597419.6/54

All: -0.725+/-0.000 χ^2/NDF: 864375584817.

yield_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 2472274.6/24

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2346930.4/29

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

Left: 0.007+/-0.000 χ^2/NDF: 2247615.4/47

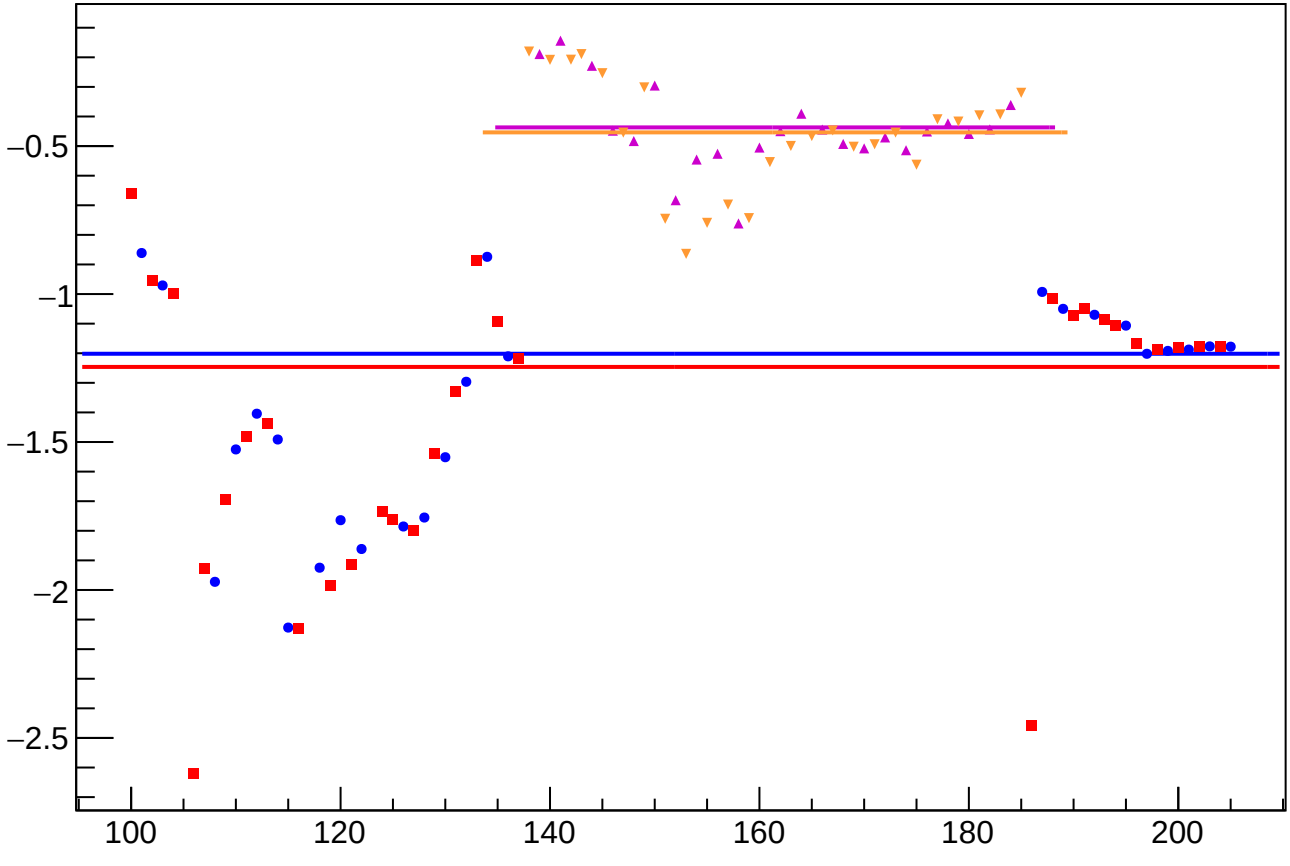
Right: 0.006+/-0.000 χ^2/NDF: 4830502.6/54

In: 0.006+/-0.000 χ^2/NDF:3744263.8/47

Out: 0.006+/-0.000 χ^2/NDF:3736545.7/54

All: 0.006+/-0.000 χ^2/NDF: 7483264.8/102

yield_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: -1.202+/-0.000 χ^2/NDF: 27125078153.5/24

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.246+/-0.000 χ^2/NDF: 72164446124.3/29

Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

Left: -0.446+/-0.000 χ^2/NDF: 45759847773.7/47

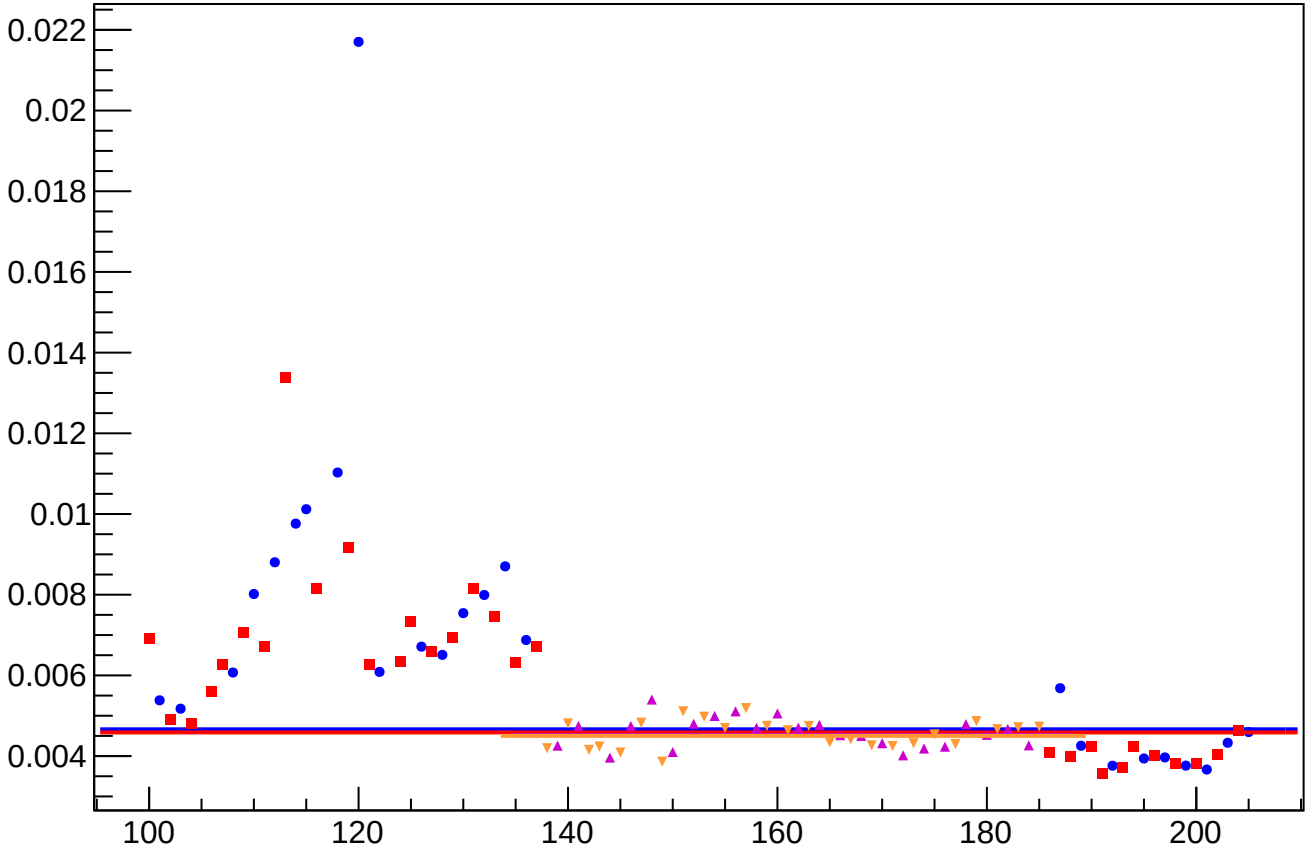
Right: -1.226+/-0.000 χ^2/NDF: 99841893807.4/54

In: -0.734+/-0.000 χ^2/NDF:228915385880.1/47

Out: -0.778+/-0.000 χ^2/NDF:325154854353.0/54

All: -0.757+/-0.000 χ^2/NDF: 555447014309.1

yield_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2143713.3/24

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1844364.1/29

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

Left: 0.005+/-0.000 χ^2/NDF: 401608.0/47

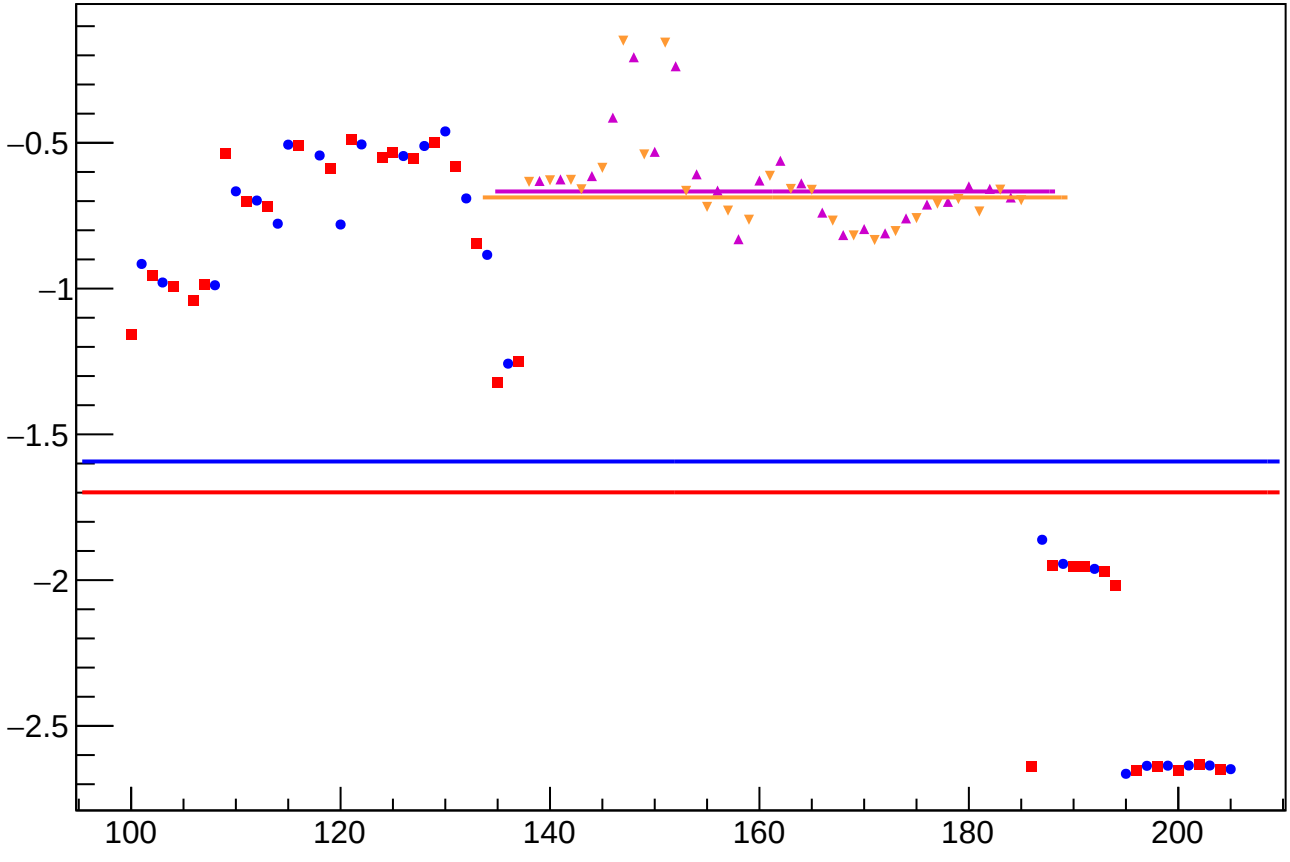
Right: 0.005+/-0.000 χ^2/NDF: 3991393.8/54

In: 0.005+/-0.000 χ^2/NDF:2368749.7/47

Out: 0.005+/-0.000 χ^2/NDF:2038811.8/54

All: 0.005+/-0.000 χ^2/NDF: 4409811.3/102

yield_bpm0i07X_mean vs Slug, Sign Corrected



Right In: -1.593+/-0.000 χ^2/NDF: 228952487345.9/24

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.699+/-0.000 χ^2/NDF: 284970415798.2/29

Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

Left: -0.677+/-0.000 χ^2/NDF: 45194028028.5/47

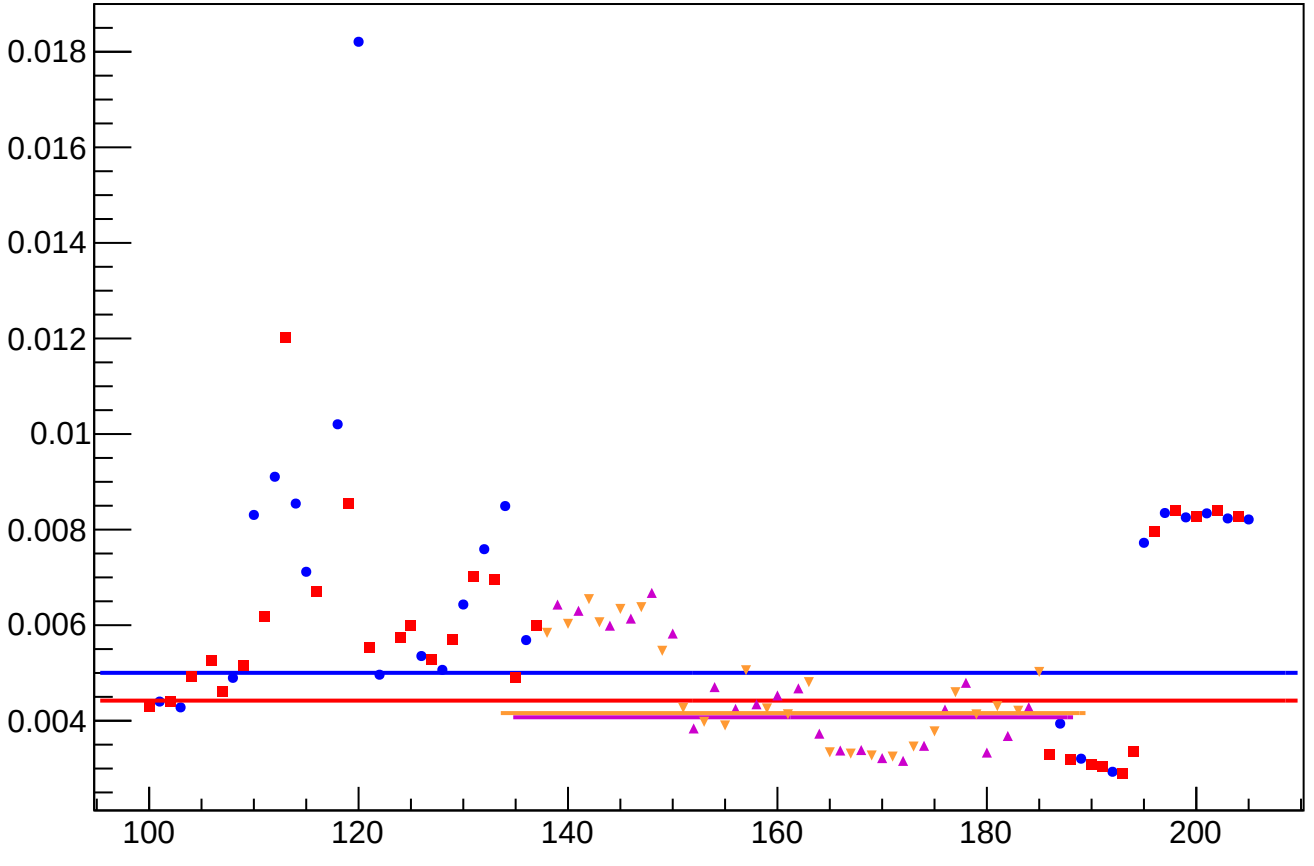
Right: -1.655+/-0.000 χ^2/NDF: 516772812532.7/54

In: -0.957+/-0.000 χ^2/NDF:506842830169.5/47

Out: -1.081+/-0.000 χ^2/NDF:691819837612.2/54

All: -1.023+/-0.000 χ^2/NDF: 1210108404567

yield_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 3889369.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3973857.7/29

Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

Left: 0.004+/-0.000 χ^2/NDF: 3277736.9/47

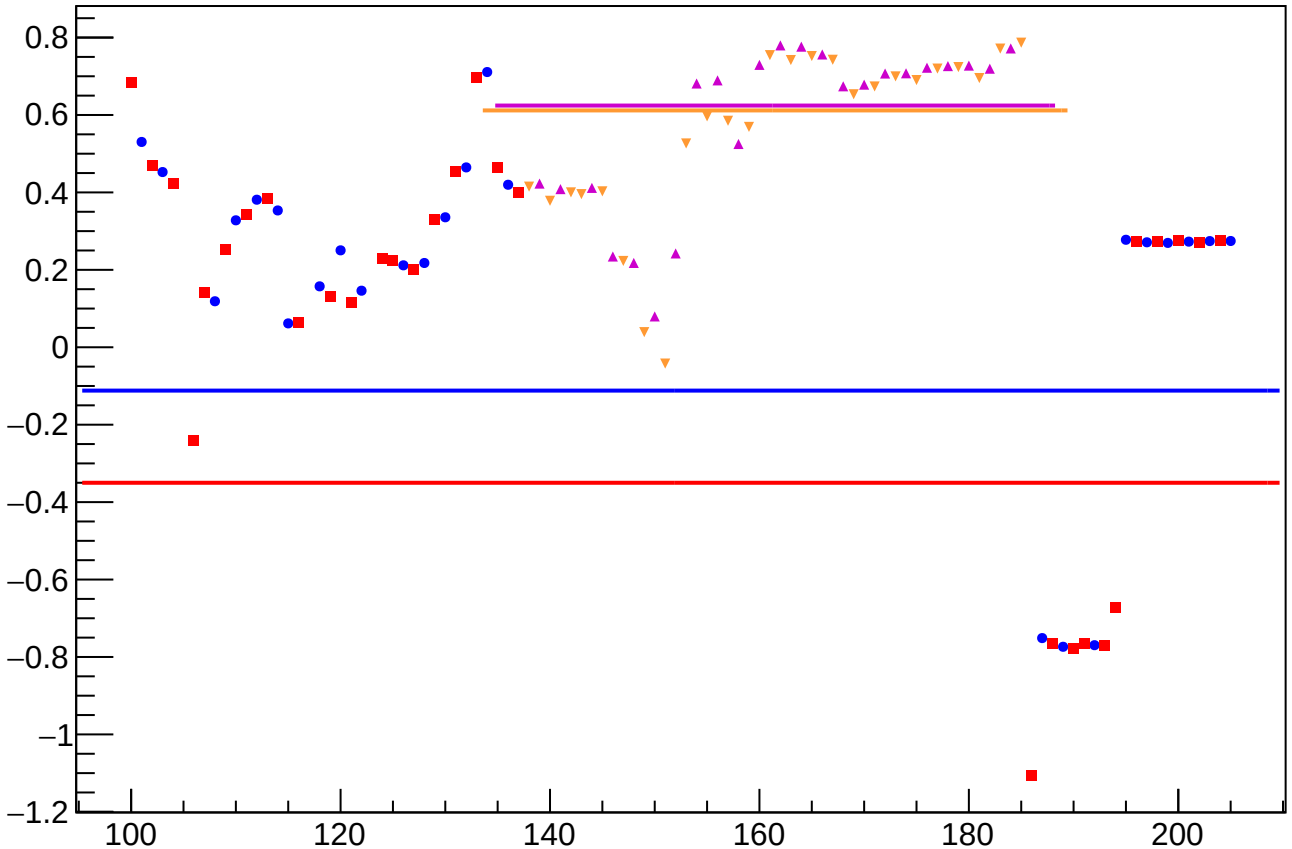
Right: 0.005+/-0.000 χ^2/NDF: 8035041.7/54

In: 0.004+/-0.000 χ^2/NDF:6154893.0/47

Out: 0.004+/-0.000 χ^2/NDF:5545119.8/54

All: 0.004+/-0.000 χ^2/NDF: 11715233.9/102

yield_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: -0.112+/-0.000 χ^2/NDF: 303640020156.8/24

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.350+/-0.000 χ^2/NDF: 472271381436.9/29

Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

Left: 0.618+/-0.000 χ^2/NDF: 86197864169.1/47

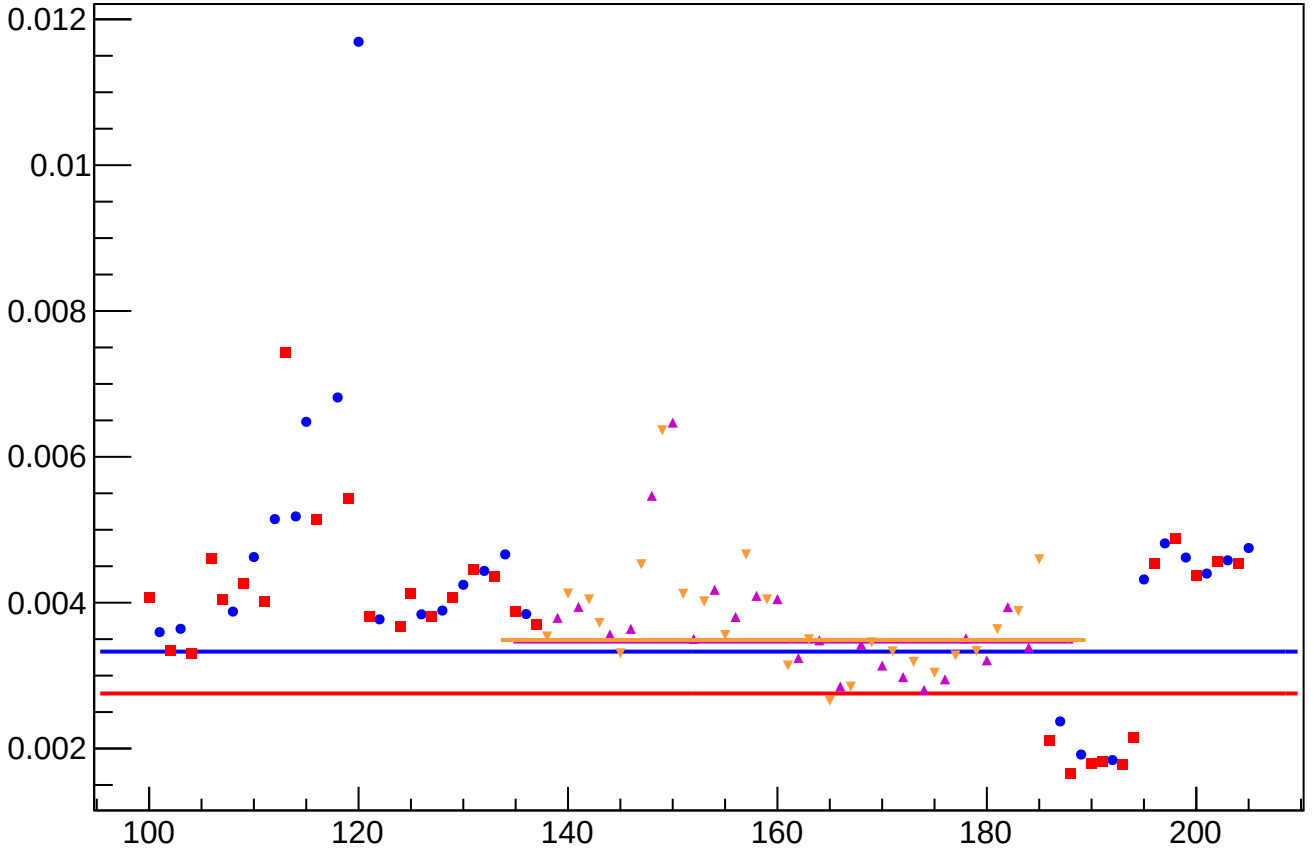
Right: -0.256+/-0.000 χ^2/NDF: 810844681486.2/54

In: 0.296+/-0.000 χ^2/NDF:650184287725.1/47

Out: 0.091+/-0.000 χ^2/NDF:1178895733038.4/54

All: 0.182+/-0.000 χ^2/NDF: 1882799494026.

yield_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3370957.8/24

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4522906.2/29

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

Left: 0.003+/-0.000 χ^2/NDF: 1745449.7/47

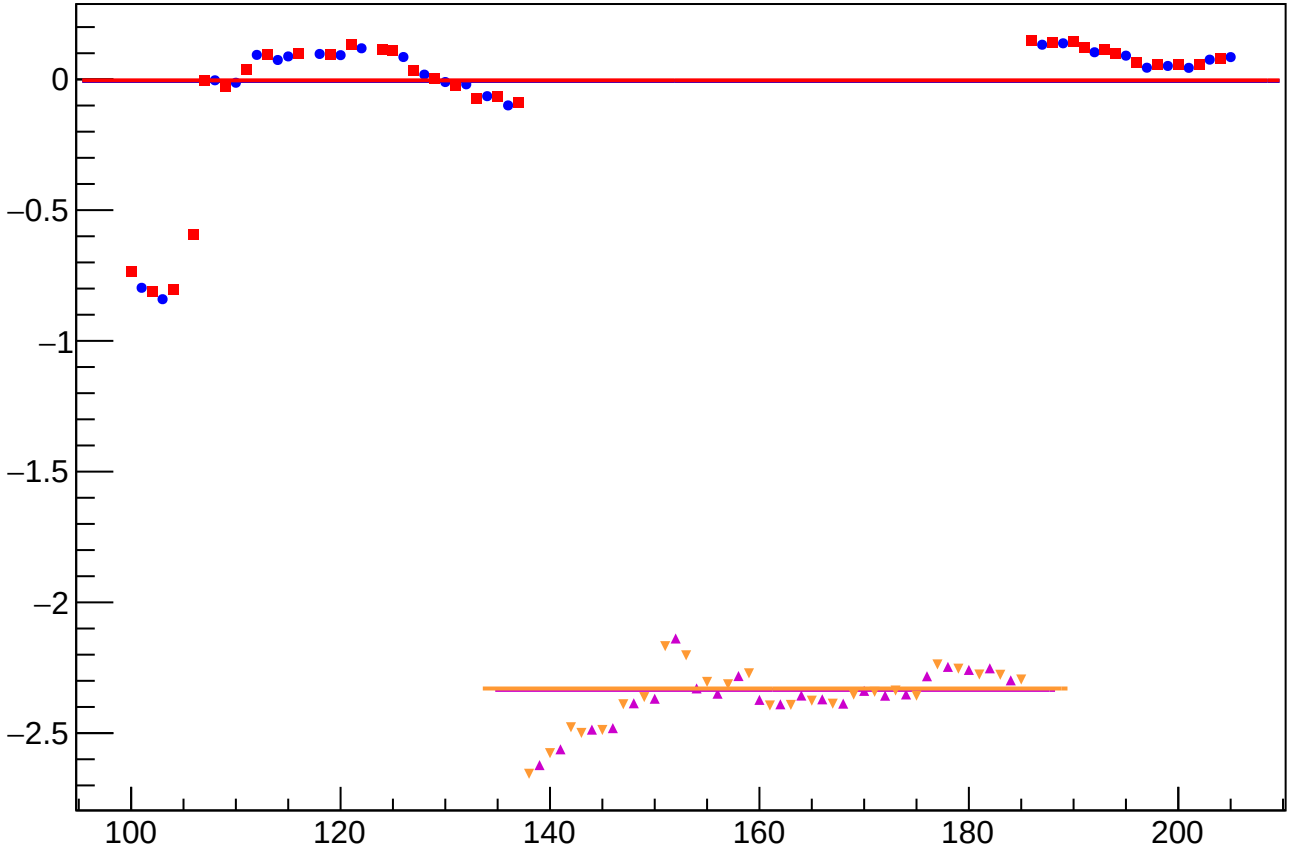
Right: 0.003+/-0.000 χ^2/NDF: 8300474.8/54

In: 0.003+/-0.000 χ^2/NDF:4286533.7/47

Out: 0.003+/-0.000 χ^2/NDF:6142058.3/54

All: 0.003+/-0.000 χ^2/NDF: 10680869.8/102

yield_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -0.006+/-0.000 χ^2/NDF: 6465374510.5/24

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: -0.004+/-0.000 χ^2/NDF: 7742687623.4/29

Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

Left: -2.332+/-0.000 χ^2/NDF: 3662448442.3/47

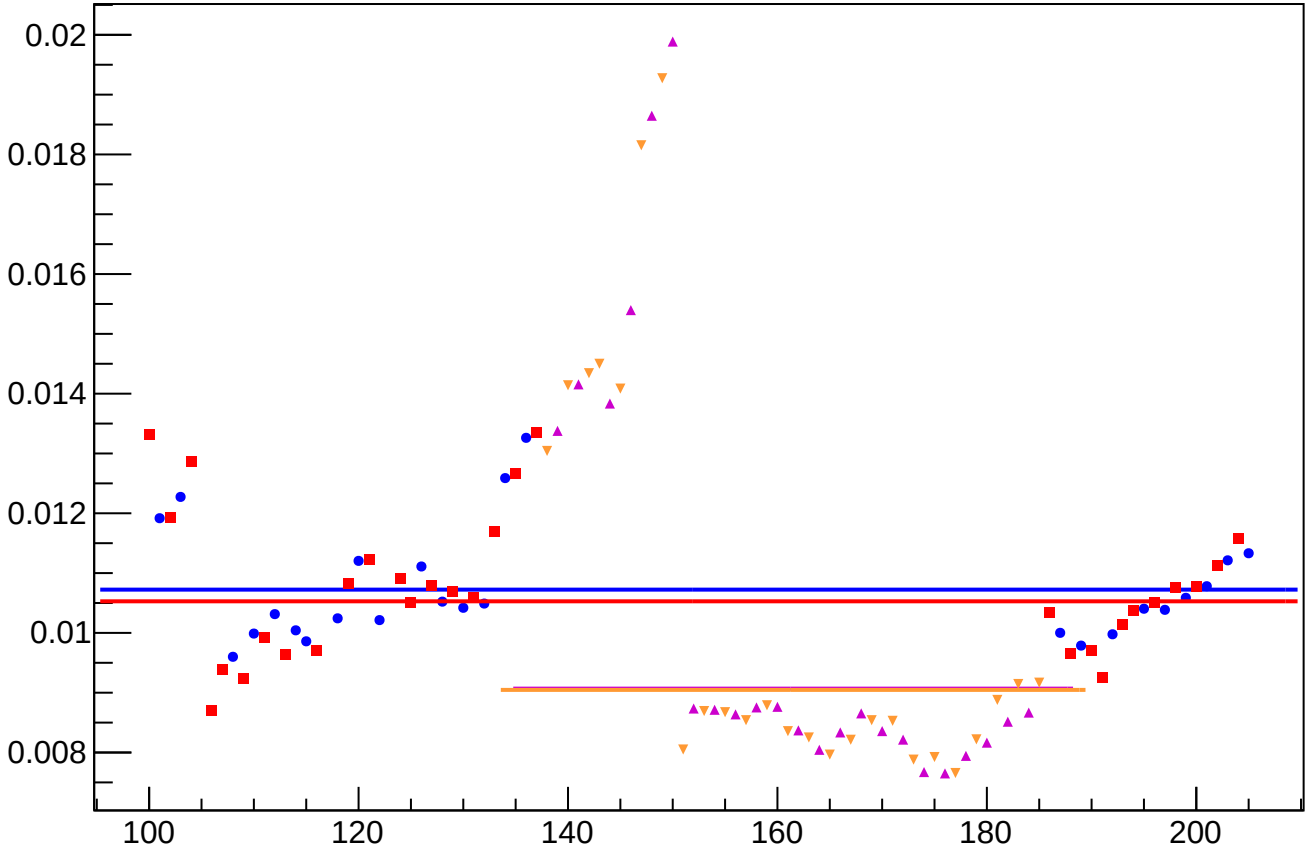
Right: -0.005+/-0.000 χ^2/NDF: 14208436649.9/54

In: -1.480+/-0.000 χ^2/NDF:423410480102.6/47

Out: -1.440+/-0.000 χ^2/NDF:469354703085.2/54

All: -1.459+/-0.000 χ^2/NDF: 893041530181.3

yield_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 175944.9/24

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

Right Out: 0.011+/-0.000 χ^2/NDF: 245839.7/29

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

Left: 0.009+/-0.000 χ^2/NDF: 4183033.5/47

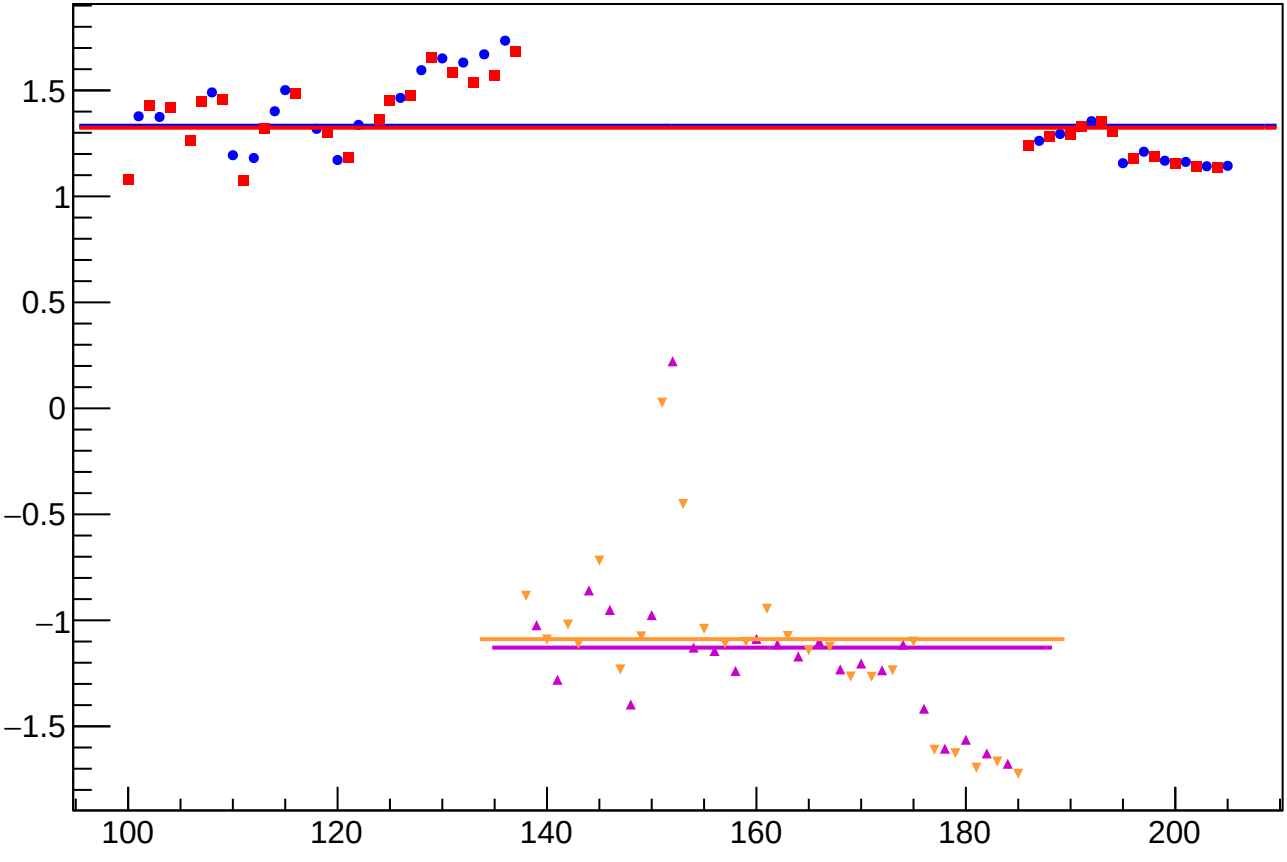
Right: 0.011+/-0.000 χ^2/NDF: 426704.3/54

In: 0.010+/-0.000 χ^2/NDF:2729919.2/47

Out: 0.010+/-0.000 χ^2/NDF:2667400.2/54

All: 0.010+/-0.000 χ^2/NDF: 5398654.7/102

yield_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 1.333+/-0.000 χ^2/NDF: 7762001314.0/24

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.324+/-0.000 χ^2/NDF: 5908993588.2/29

Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

Left: -1.108+/-0.000 χ^2/NDF: 120403370890.0/47

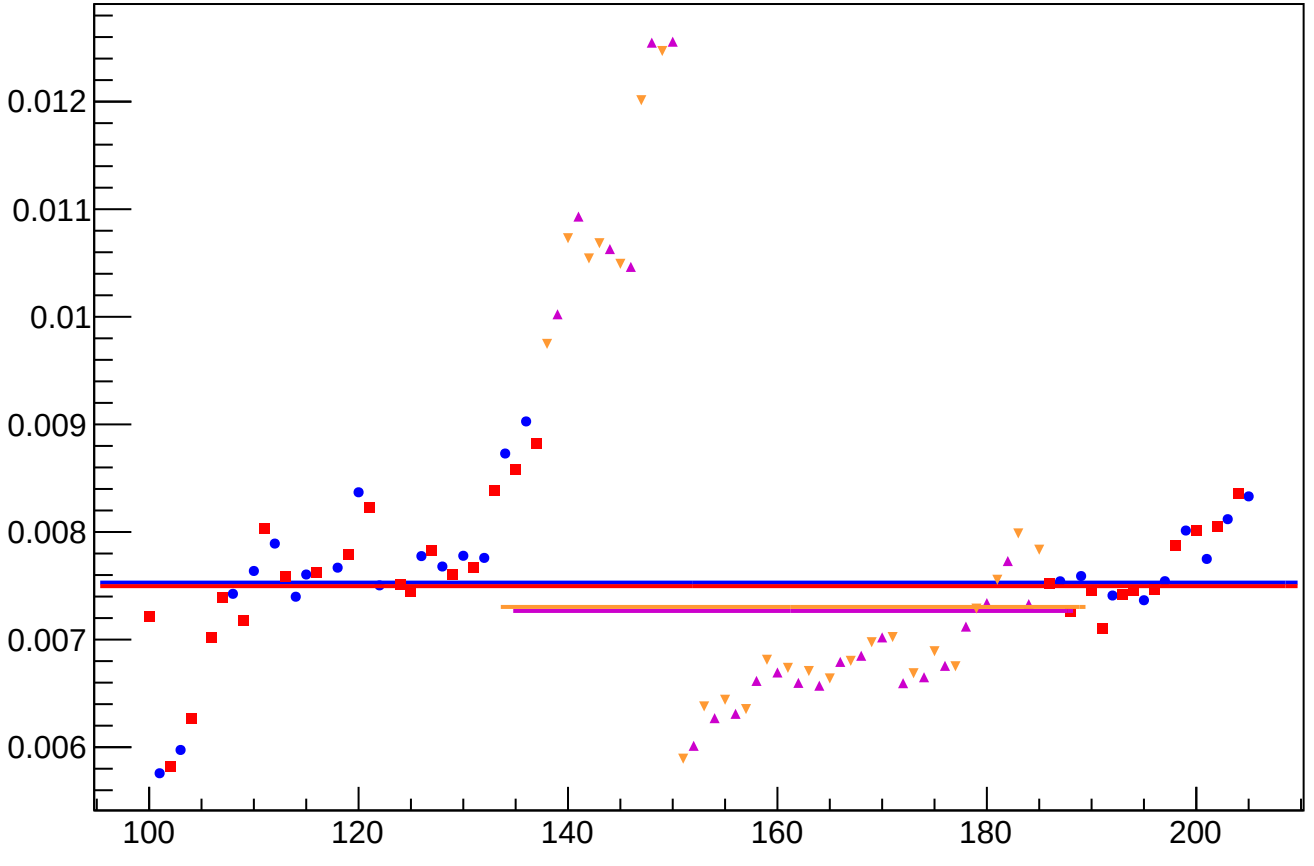
Right: 1.328+/-0.000 χ^2/NDF: 13682490708.7/54

In: -0.083+/-0.000 χ^2/NDF:918430437285.6/47

Out: -0.029+/-0.000 χ^2/NDF:952883331121.0/54

All: -0.055+/-0.000 χ^2/NDF: 1872189576102

yield_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 313885.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 243927.8/29

Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

Left: 0.007+/-0.000 χ^2/NDF: 3064663.5/47

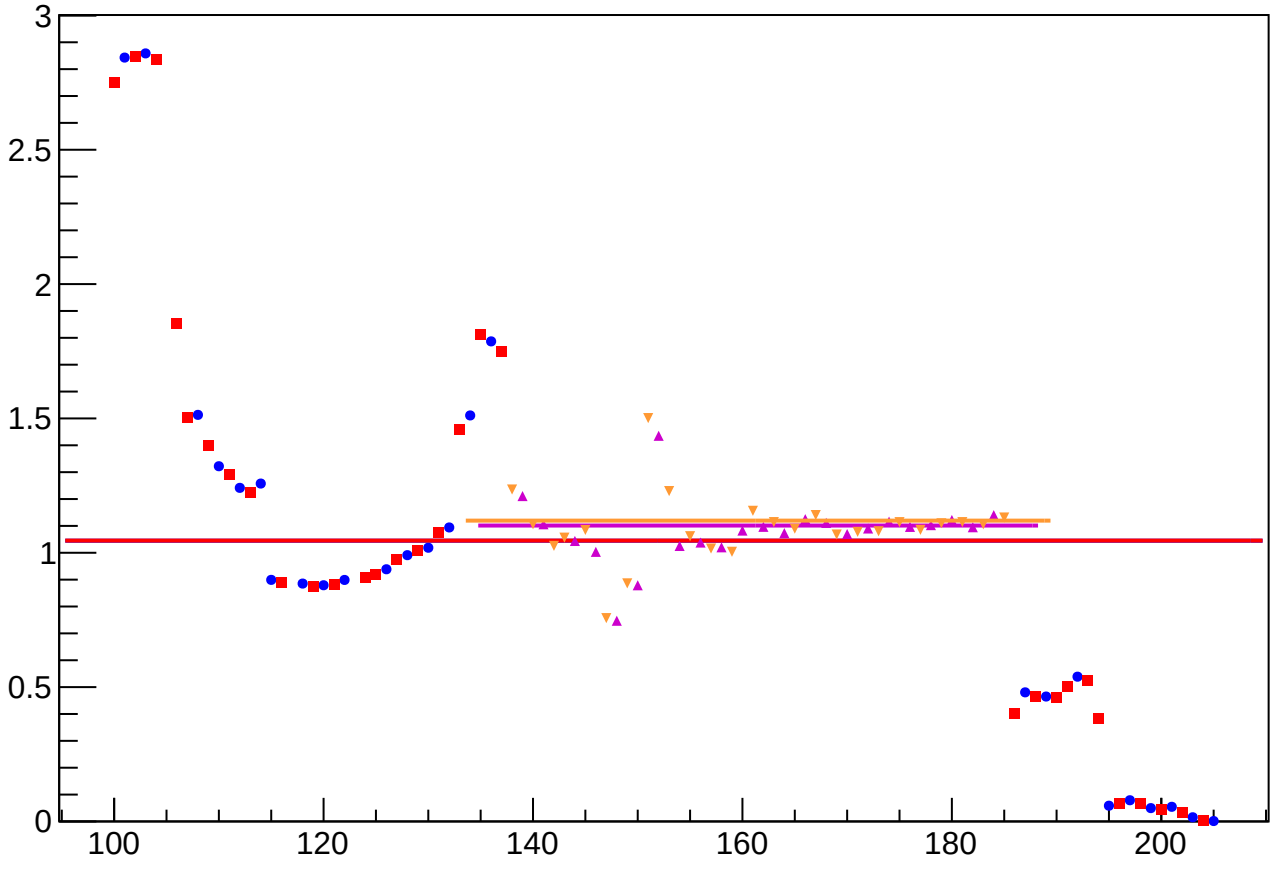
Right: 0.008+/-0.000 χ^2/NDF: 558094.9/54

In: 0.007+/-0.000 χ^2/NDF:1893472.7/47

Out: 0.007+/-0.000 χ^2/NDF:1759369.1/54

All: 0.007+/-0.000 χ^2/NDF: 3652903.7/102

yield_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 1.045+/-0.000 χ^2/NDF: 125312328545.7/24

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.045+/-0.000 χ^2/NDF: 122735321207.5/29

Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

Left: 1.111+/-0.000 χ^2/NDF: 9774836704.8/47

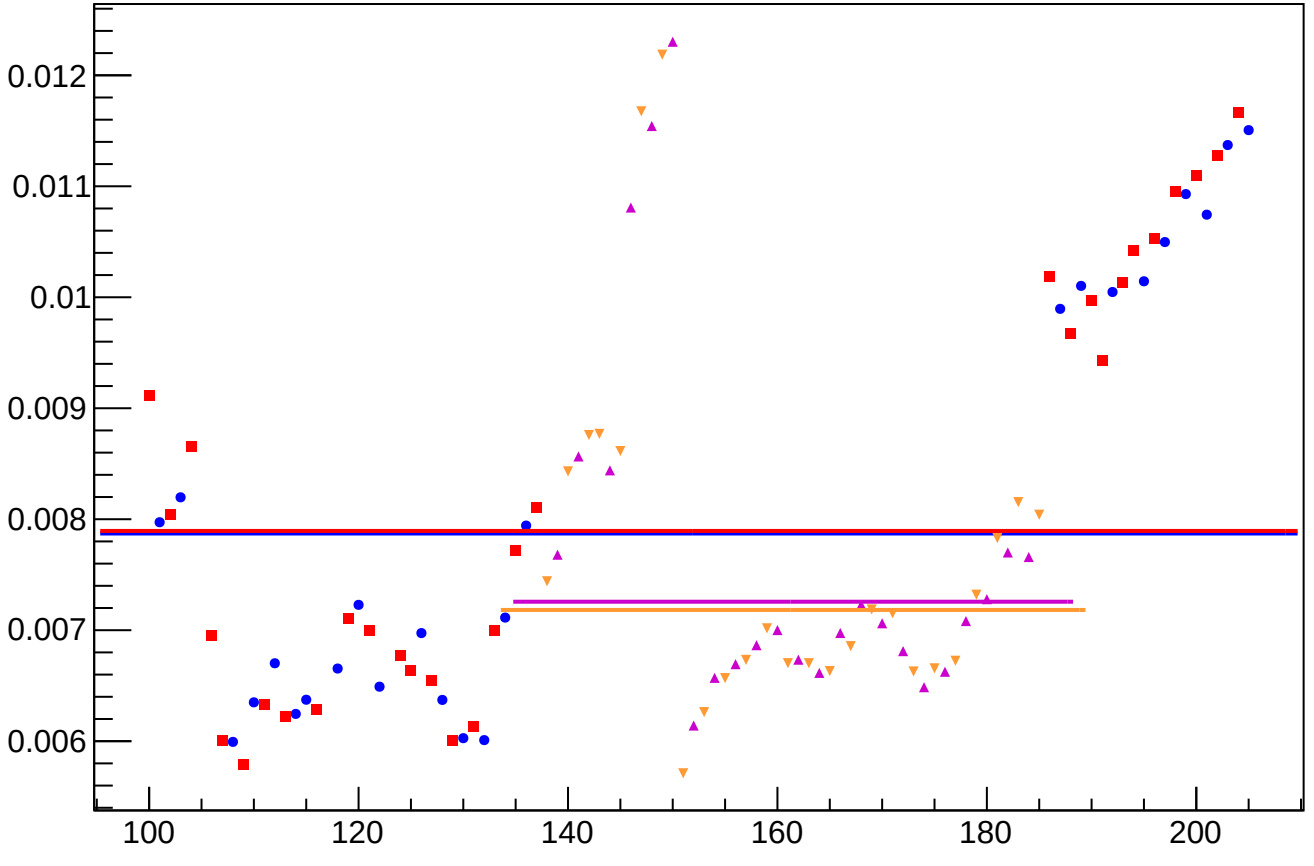
Right: 1.045+/-0.000 χ^2/NDF: 248047675126.8/54

In: 1.079+/-0.000 χ^2/NDF:129929718167.3/47

Out: 1.090+/-0.000 χ^2/NDF:129029751295.2/54

All: 1.085+/-0.000 χ^2/NDF: 258994538757.2

yield_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1464245.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1685026.2/29

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

Left: 0.007+/-0.000 χ^2/NDF: 1812400.5/47

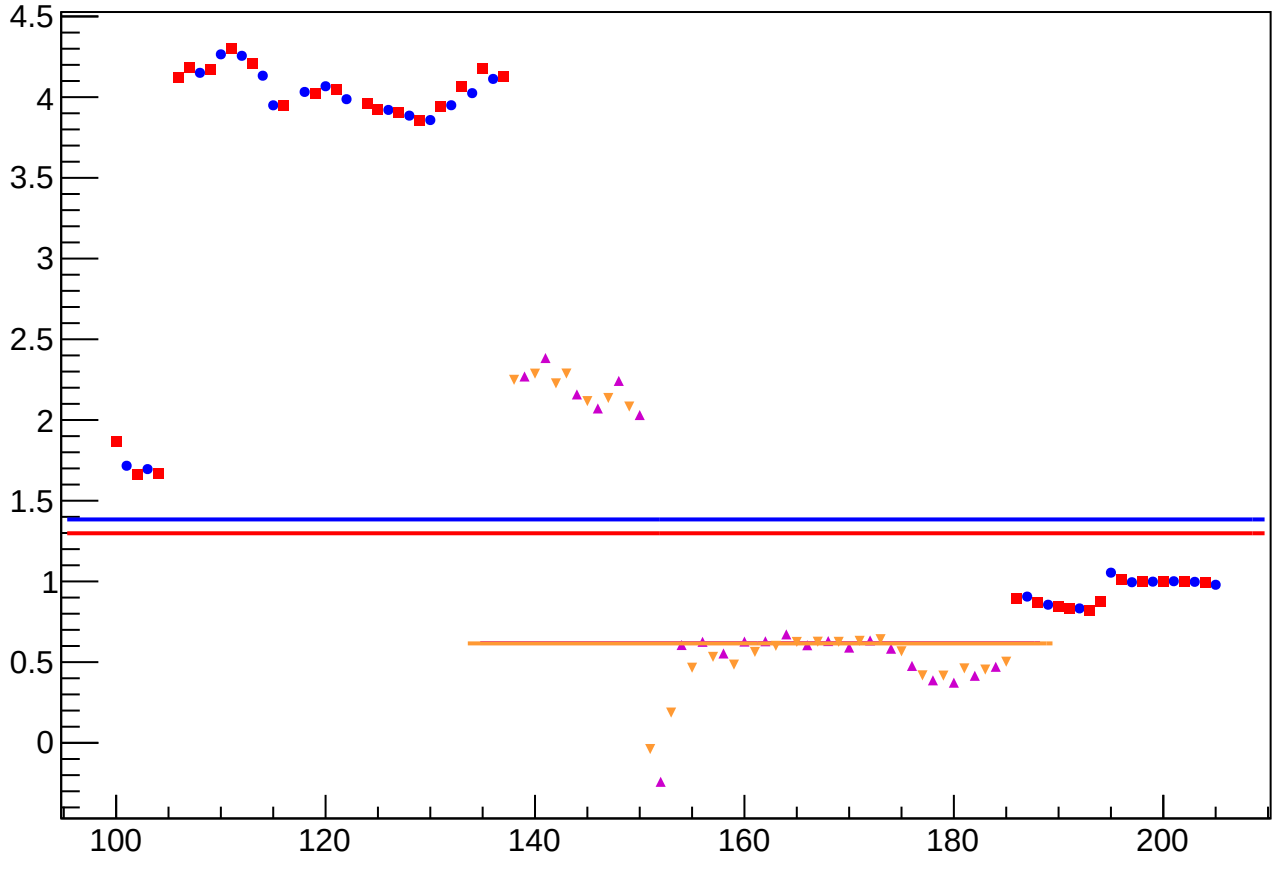
Right: 0.008+/-0.000 χ^2/NDF: 3149389.5/54

In: 0.007+/-0.000 χ^2/NDF:2479440.5/47

Out: 0.007+/-0.000 χ^2/NDF:2721928.4/54

All: 0.007+/-0.000 χ^2/NDF: 5202030.0/102

yield_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 1.384+/-0.000 χ^2/NDF: 1547243212663.2/24

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.298+/-0.000 χ^2/NDF: 1739358583949.7/29

Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

Left: 0.617+/-0.000 χ^2/NDF: 506191281472.3/47

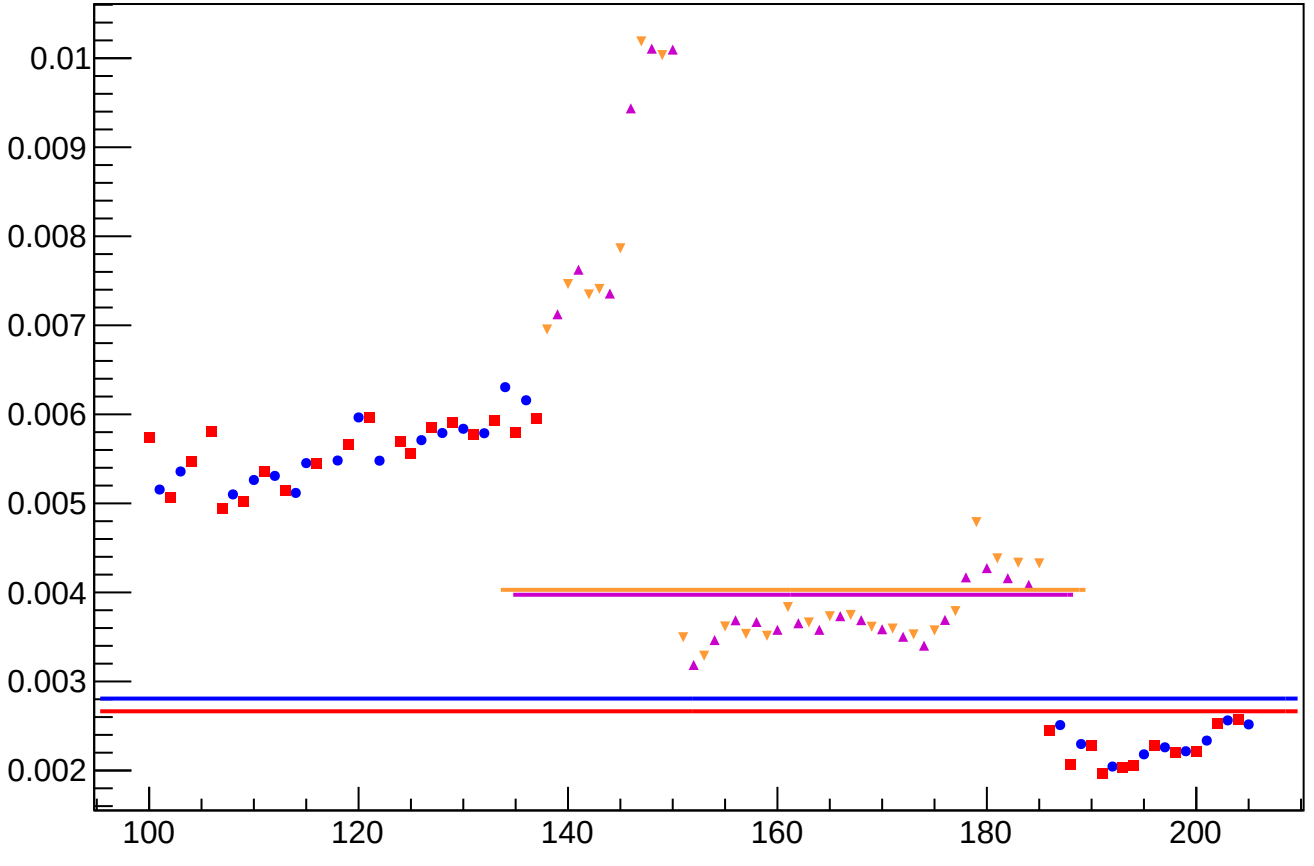
Right: 1.337+/-0.000 χ^2/NDF: 3292399209683.4/54

In: 1.065+/-0.000 χ^2/NDF:2152815278314.6/47

Out: 1.041+/-0.000 χ^2/NDF:2297910490554.7/54

All: 1.052+/-0.000 χ^2/NDF: 4451450738196.

yield_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4329302.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4671129.7/29

Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

Left: 0.004+/-0.000 χ^2/NDF: 6090115.0/47

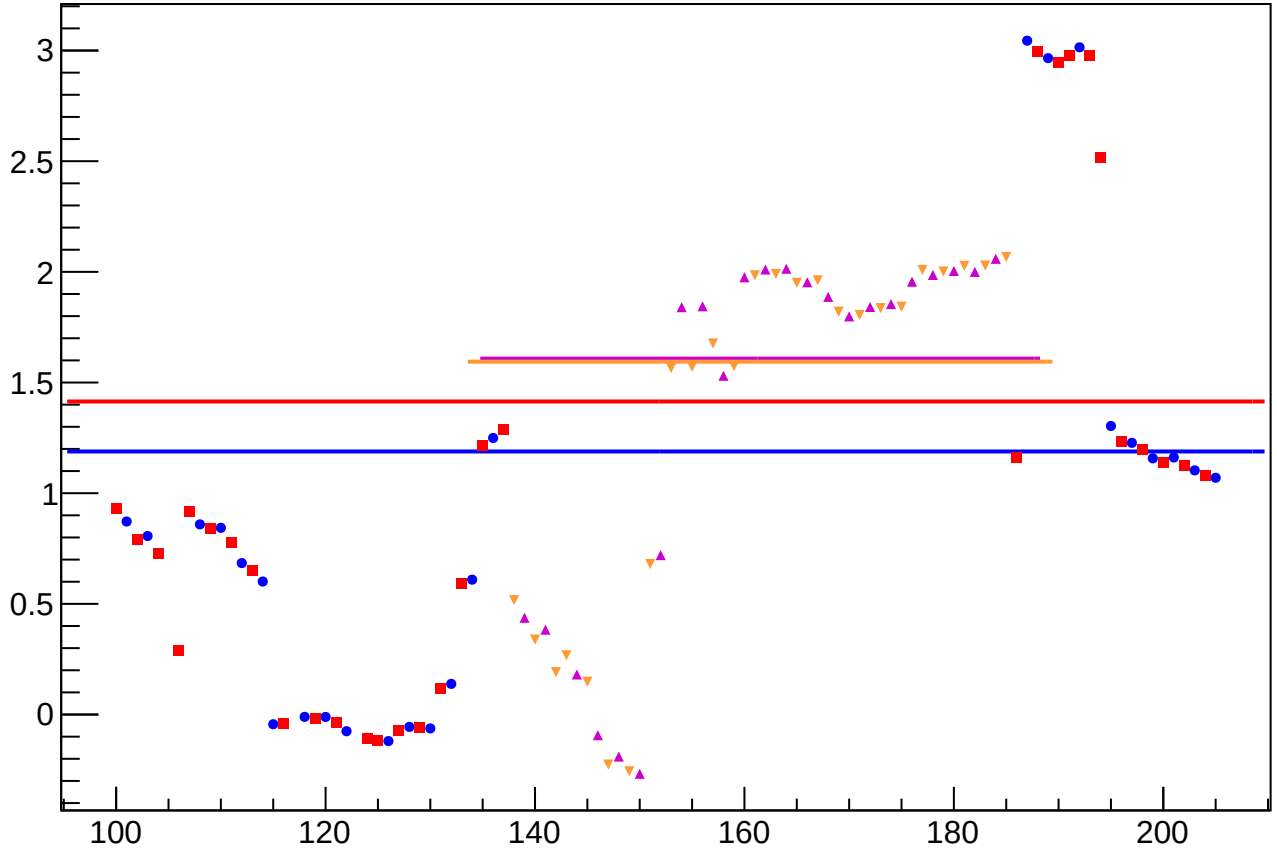
Right: 0.003+/-0.000 χ^2/NDF: 9032660.9/54

In: 0.003+/-0.000 χ^2/NDF:9080411.1/47

Out: 0.003+/-0.000 χ^2/NDF:10088027.0/54

All: 0.003+/-0.000 χ^2/NDF: 19203214.7/102

yield_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 1.189+/-0.000 χ^2/NDF: 77599784434.3/24

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.414+/-0.000 χ^2/NDF: 104902343913.1/29

Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

Left: 1.601+/-0.000 χ^2/NDF: 129051467837.0/47

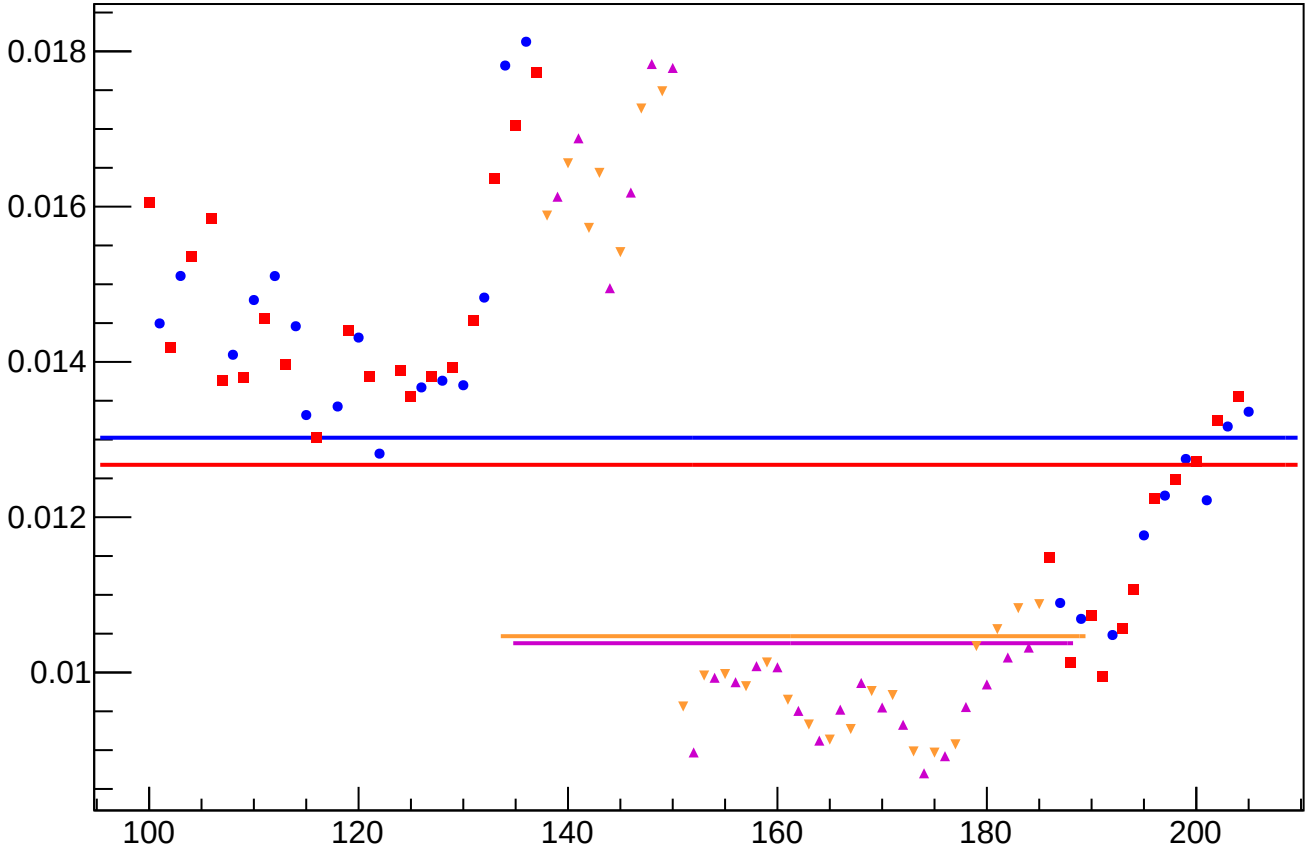
Right: 1.309+/-0.000 χ^2/NDF: 184700426601.2/54

In: 1.468+/-0.000 χ^2/NDF:153450875219.3/47

Out: 1.530+/-0.000 χ^2/NDF:169461644326.5/54

All: 1.500+/-0.000 χ^2/NDF: 323395770374.4

yield_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 503095.9/24

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 600957.0/29

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

Left: 0.010+/-0.000 χ^2/NDF: 3373093.6/47

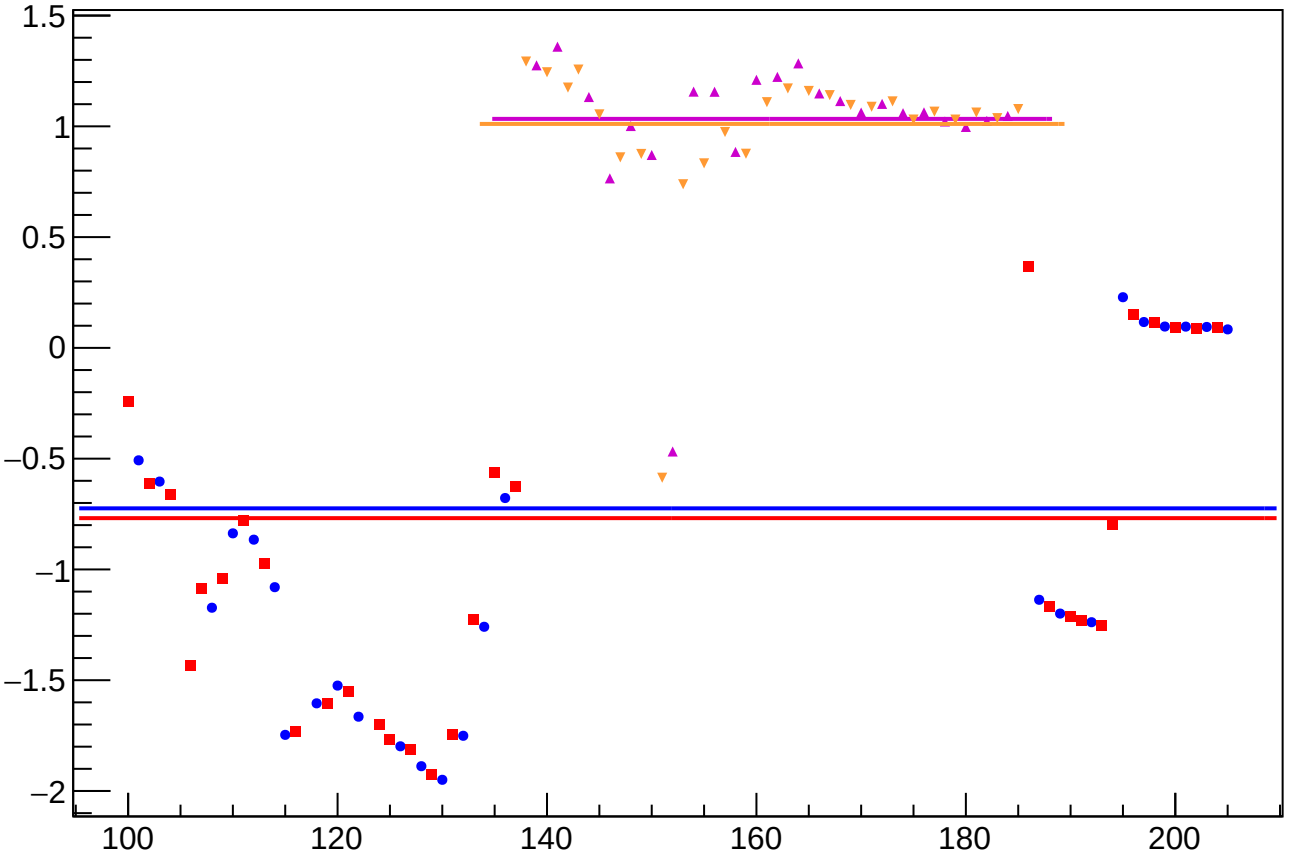
Right: 0.013+/-0.000 χ^2/NDF: 1114555.2/54

In: 0.011+/-0.000 χ^2/NDF:2965712.6/47

Out: 0.011+/-0.000 χ^2/NDF:2842501.7/54

All: 0.011+/-0.000 χ^2/NDF: 5808223.4/102

yield_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: -0.724+/-0.000 χ^2/NDF: 171375997397.5/24

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.769+/-0.000 χ^2/NDF: 156638357846.6/29

Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

Left: 1.022+/-0.000 χ^2/NDF: 236930467589.7/47

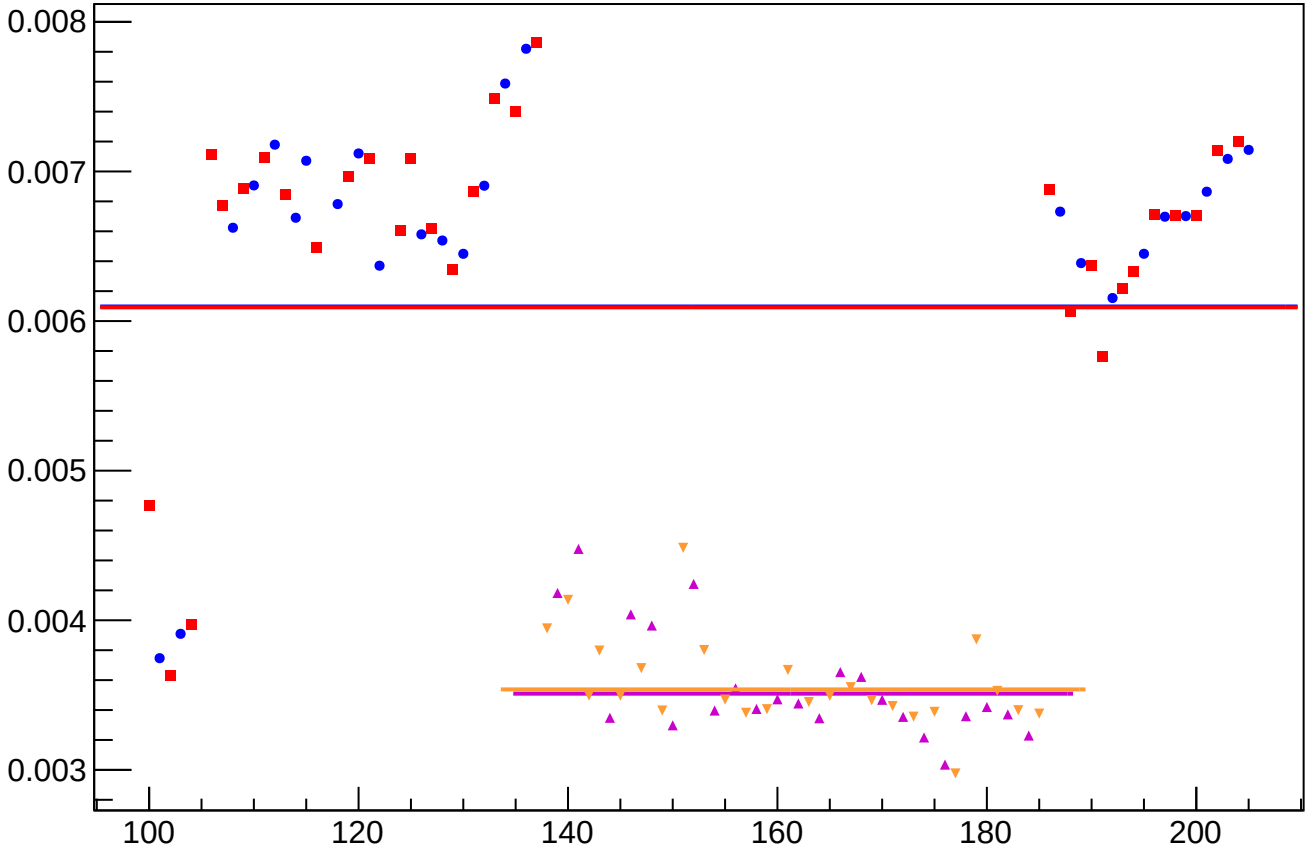
Right: -0.747+/-0.000 χ^2/NDF: 328367187387.3/54

In: 0.675+/-0.000 χ^2/NDF:1145721093356.6/47

Out: 0.634+/-0.000 χ^2/NDF:1210897159434.0/54

All: 0.654+/-0.000 χ^2/NDF: 2358076961650.

yield_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 1140381.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1182100.0/29

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

Left: 0.004+/-0.000 χ^2/NDF: 501791.4/47

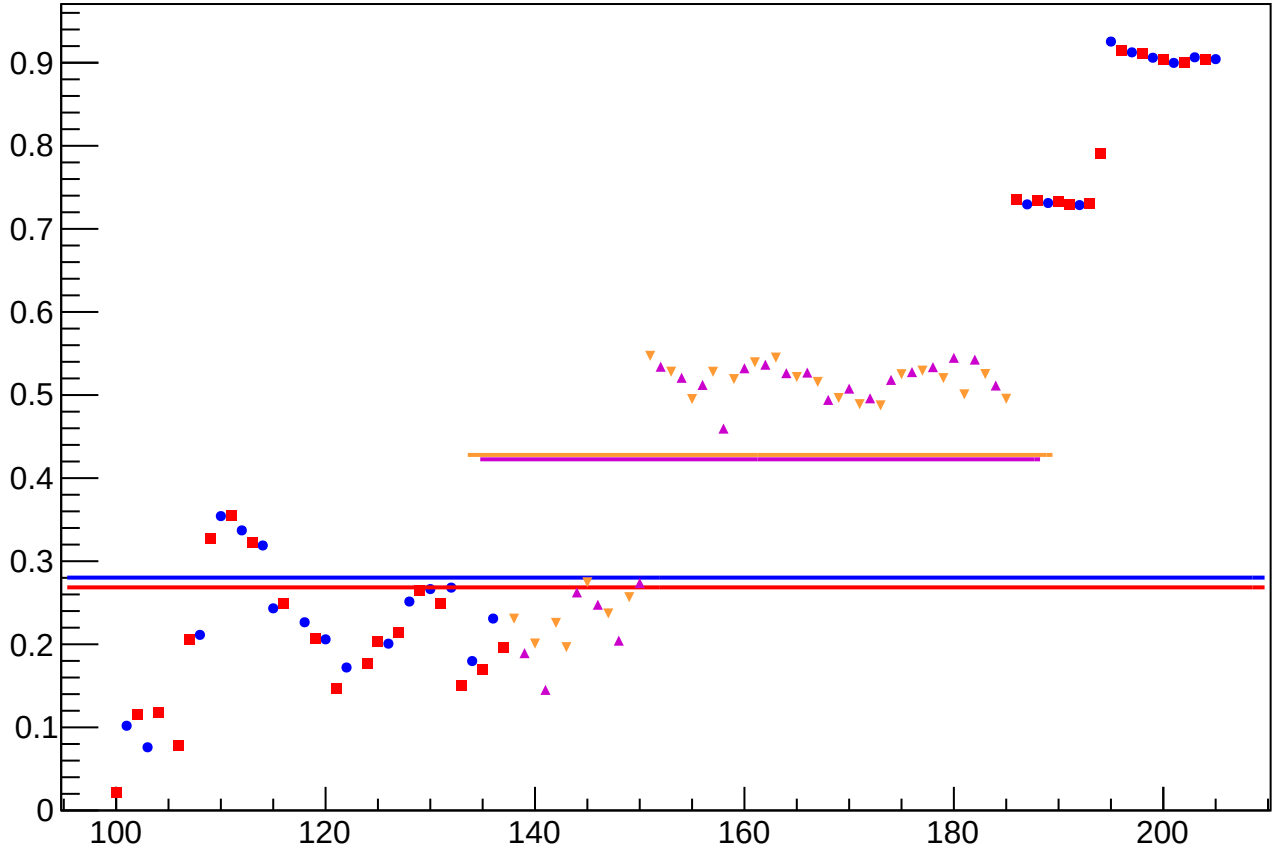
Right: 0.006+/-0.000 χ^2/NDF: 2322492.4/54

In: 0.004+/-0.000 χ^2/NDF:5104489.4/47

Out: 0.004+/-0.000 χ^2/NDF:5283428.2/54

All: 0.004+/-0.000 χ^2/NDF: 10390881.2/102

yield_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 0.280+/-0.000 χ^2/NDF: 155569816569.4/24

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.269+/-0.000 χ^2/NDF: 175991344307.0/29

Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

Left: 0.425+/-0.000 χ^2/NDF: 312056221639.2/47

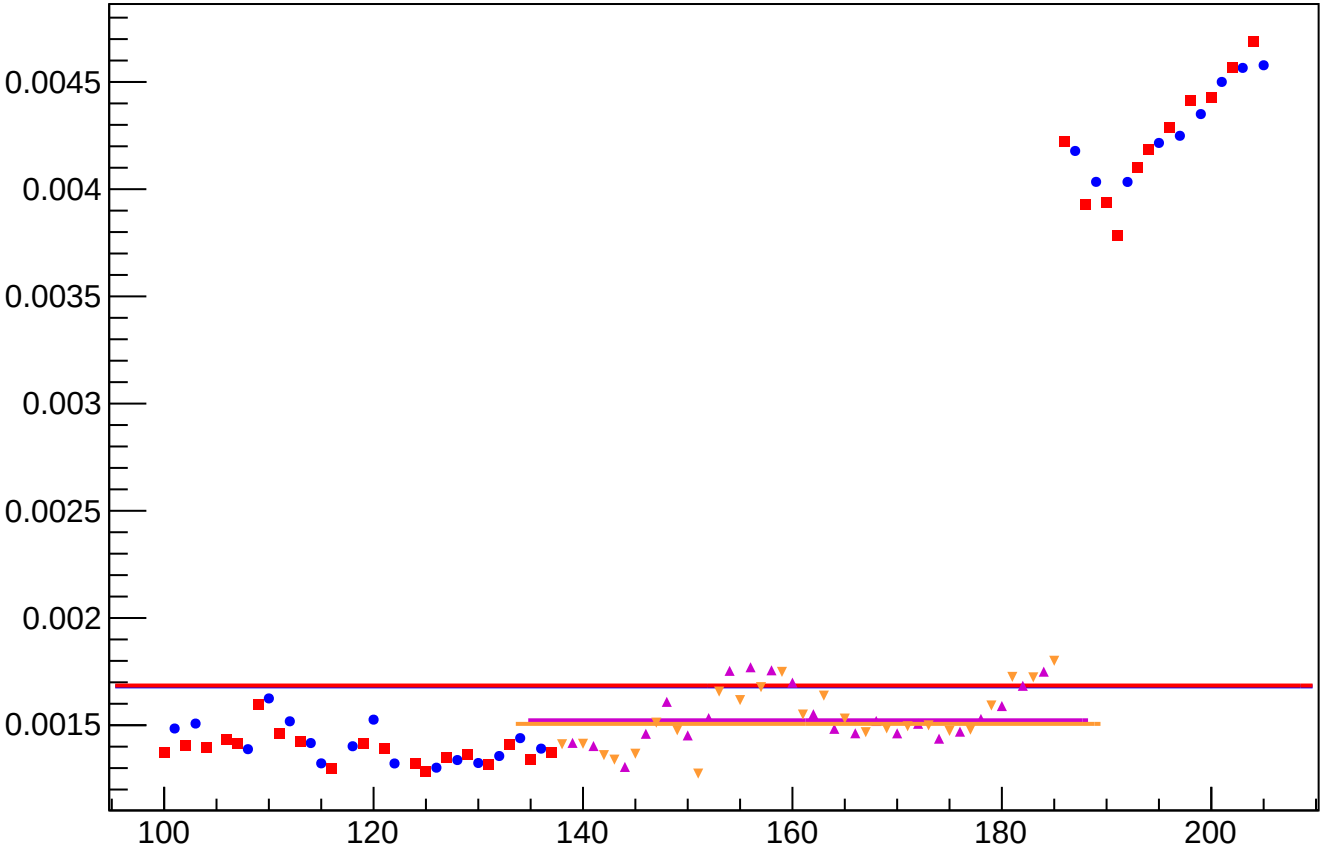
Right: 0.274+/-0.000 χ^2/NDF: 331840984085.8/54

In: 0.375+/-0.000 χ^2/NDF:366068637321.7/47

Out: 0.375+/-0.000 χ^2/NDF:401311342262.8/54

All: 0.375+/-0.000 χ^2/NDF: 767382452124.3

yield_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 5663606.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6504214.5/29

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

Left: 0.002+/-0.000 χ^2/NDF: 515814.5/47

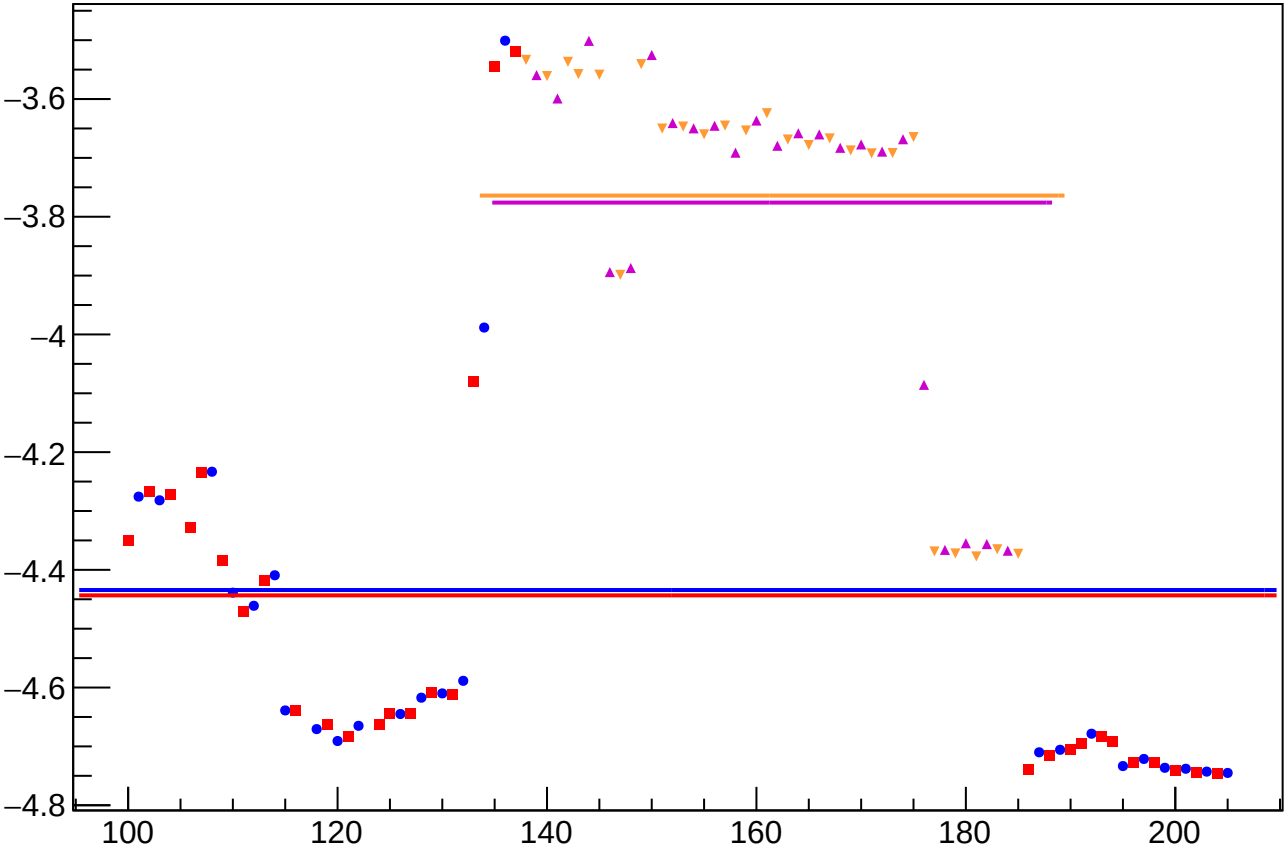
Right: 0.002+/-0.000 χ^2/NDF: 12167887.0/54

In: 0.002+/-0.000 χ^2/NDF:6027534.7/47

Out: 0.002+/-0.000 χ^2/NDF:6963080.9/54

All: 0.002+/-0.000 χ^2/NDF: 12991702.8/102

yield_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: -4.434+/-0.000 χ^2/NDF: 416907293973.2/24

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.443+/-0.000 χ^2/NDF: 367200980957.5/29

Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

Left: -3.770+/-0.000 χ^2/NDF: 886556013091.1/47

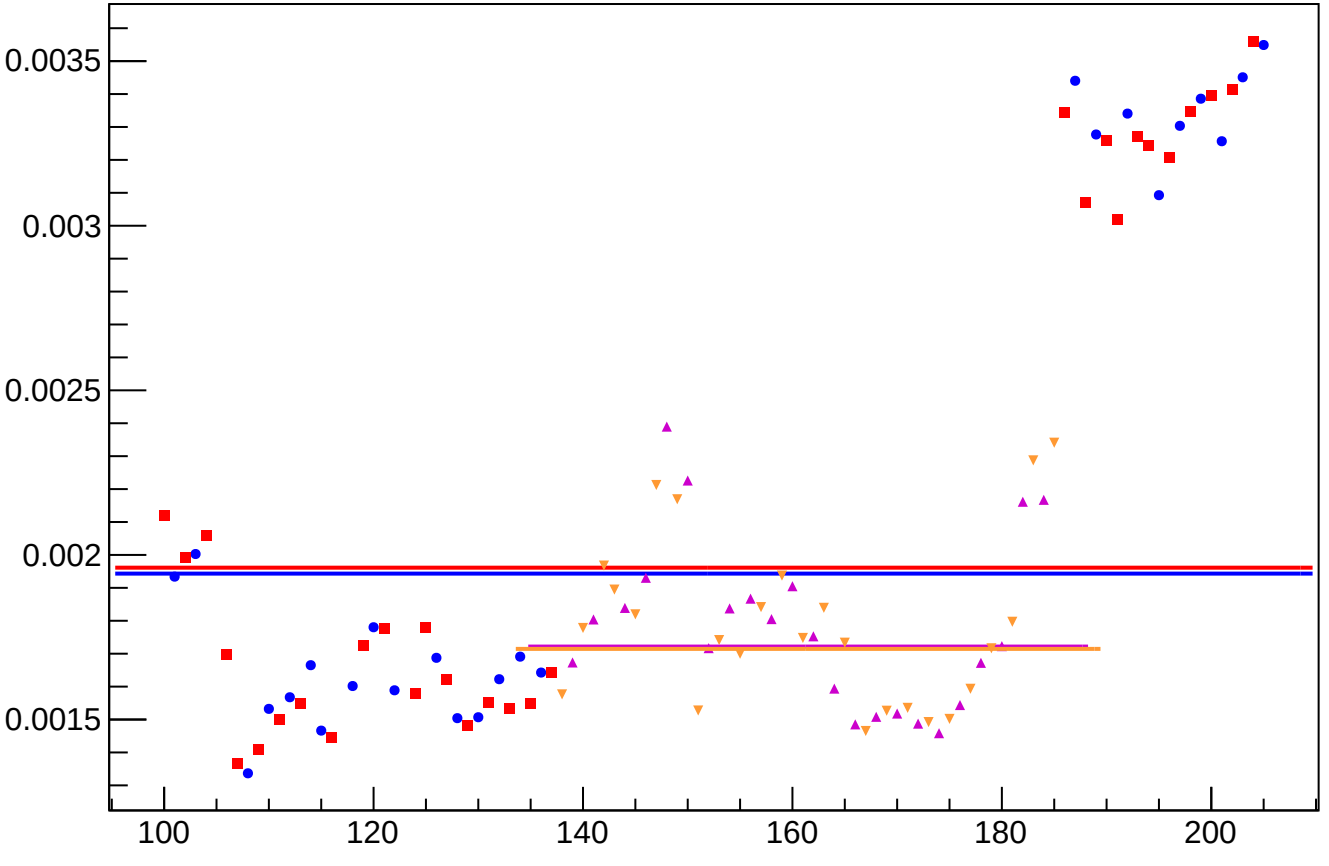
Right: -4.439+/-0.000 χ^2/NDF: 784246310999.4/54

In: -4.008+/-0.000 χ^2/NDF:1725481847051.5/47

Out: -4.005+/-0.000 χ^2/NDF:1884774028504.2/54

All: -4.007+/-0.000 χ^2/NDF: 3610291845357

yield_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 3051468.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3461359.6/29

Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

Left: 0.002+/-0.000 χ^2/NDF: 1144519.8/47

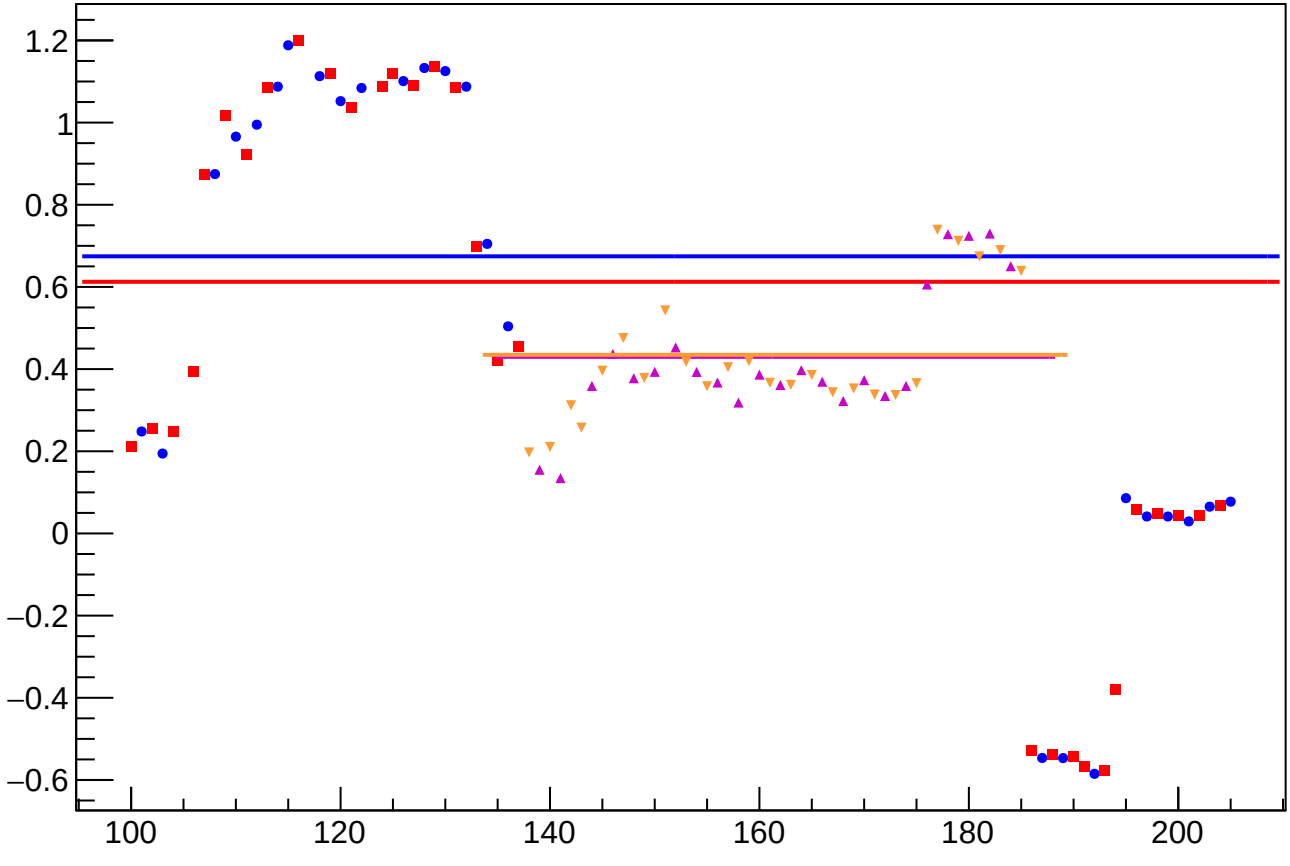
Right: 0.002+/-0.000 χ^2/NDF: 6513916.6/54

In: 0.002+/-0.000 χ^2/NDF:3838704.9/47

Out: 0.002+/-0.000 χ^2/NDF:4296464.1/54

All: 0.002+/-0.000 χ^2/NDF: 8135225.2/102

yield_bpm2i02X_mean vs Slug, Sign Corrected



Right In: 0.674+/-0.000 χ^2/NDF: 63934253920.7/24

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.613+/-0.000 χ^2/NDF: 84973669292.5/29

Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

Left: 0.432+/-0.000 χ^2/NDF: 17560906918.4/47

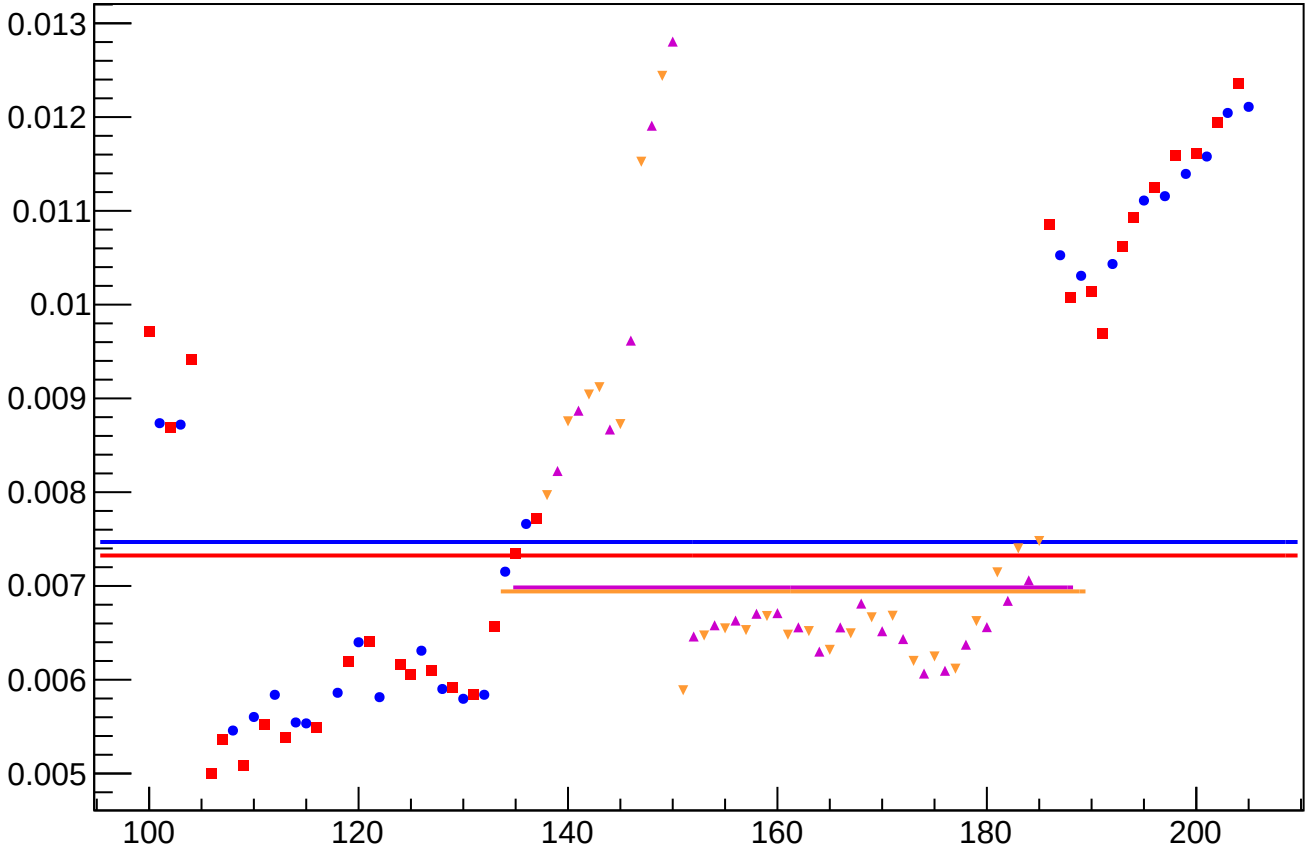
Right: 0.642+/-0.000 χ^2/NDF: 149376576899.9/54

In: 0.525+/-0.000 χ^2/NDF:81389214819.3/47

Out: 0.506+/-0.000 χ^2/NDF:98405081468.8/54

All: 0.515+/-0.000 χ^2/NDF: 179903940407.6

yield_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 2360546.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2902168.7/29

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

Left: 0.007+/-0.000 χ^2/NDF: 2228107.8/47

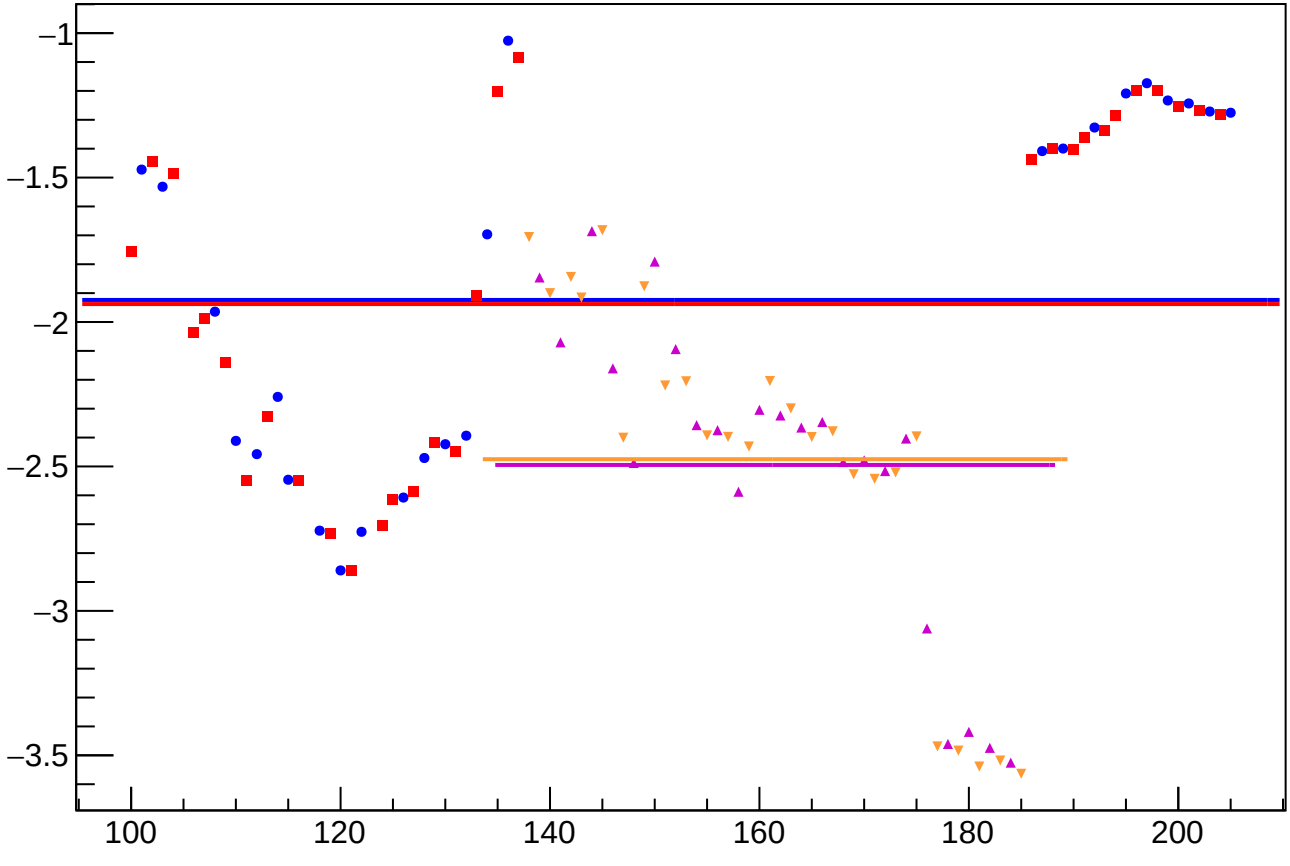
Right: 0.007+/-0.000 χ^2/NDF: 5267772.8/54

In: 0.007+/-0.000 χ^2/NDF:3563222.9/47

Out: 0.007+/-0.000 χ^2/NDF:4038724.2/54

All: 0.007+/-0.000 χ^2/NDF: 7605587.4/102

yield_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: -1.924+/-0.000 χ^2/NDF: 105169401996.1/24

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.938+/-0.000 χ^2/NDF: 102568625186.0/29

Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

Left: -2.485+/-0.000 χ^2/NDF: 219817663018.7/47

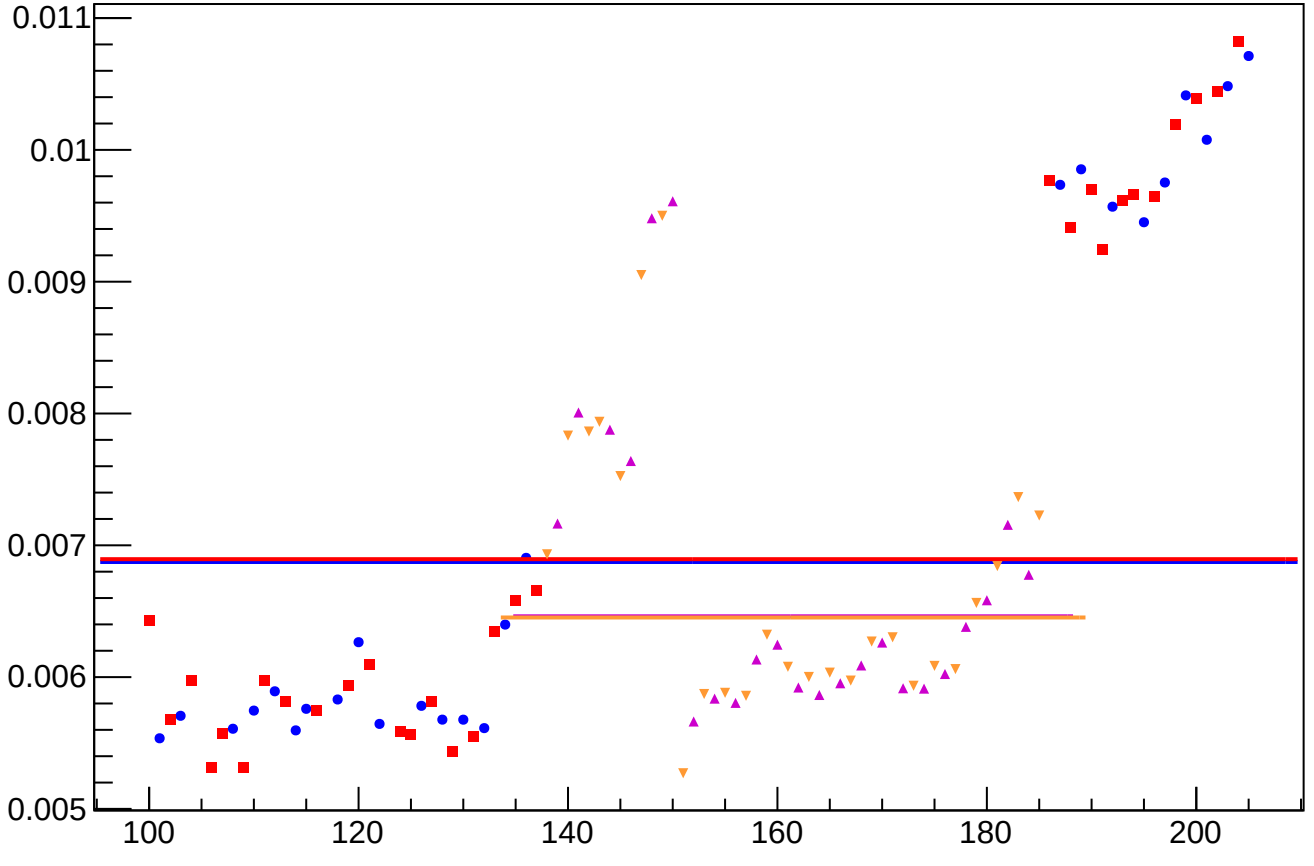
Right: -1.931+/-0.000 χ^2/NDF: 207767444609.2/54

In: -2.270+/-0.000 χ^2/NDF:256964481432.1/47

Out: -2.261+/-0.000 χ^2/NDF:277874934379.9/54

All: -2.265+/-0.000 χ^2/NDF: 534874914943.6

yield_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 1852009.0/24

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2102328.1/29

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

Left: 0.006+/-0.000 χ^2/NDF: 1433914.6/47

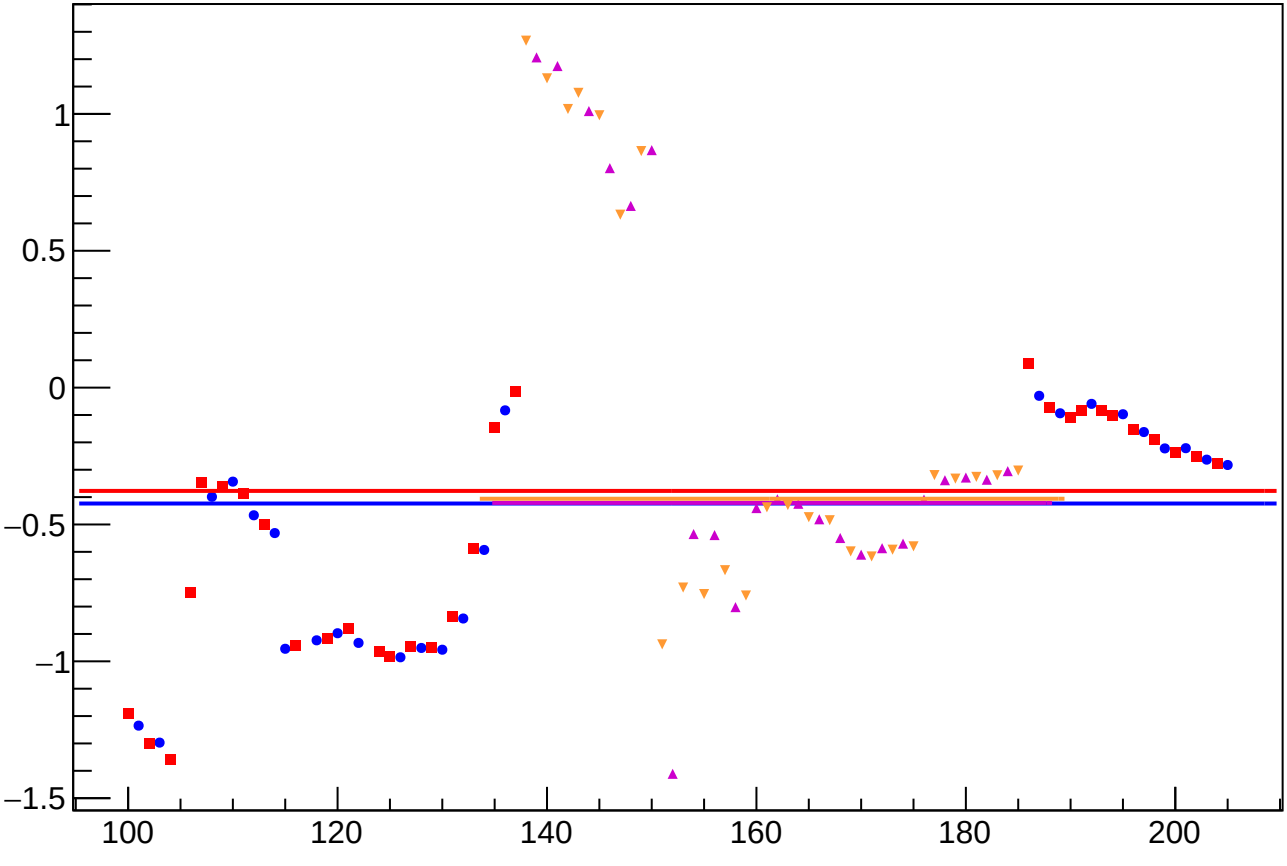
Right: 0.007+/-0.000 χ^2/NDF: 3954468.9/54

In: 0.007+/-0.000 χ^2/NDF:2629931.1/47

Out: 0.007+/-0.000 χ^2/NDF:2886628.7/54

All: 0.007+/-0.000 χ^2/NDF: 5516583.6/102

yield_bpm0i01X_mean vs Slug, Sign Corrected



Right In: -0.423+/-0.000 χ^2/NDF: 23901946503.4/24

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.377+/-0.000 χ^2/NDF: 26976115238.7/29

Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

Left: -0.413+/-0.000 χ^2/NDF: 171915637988.1/47

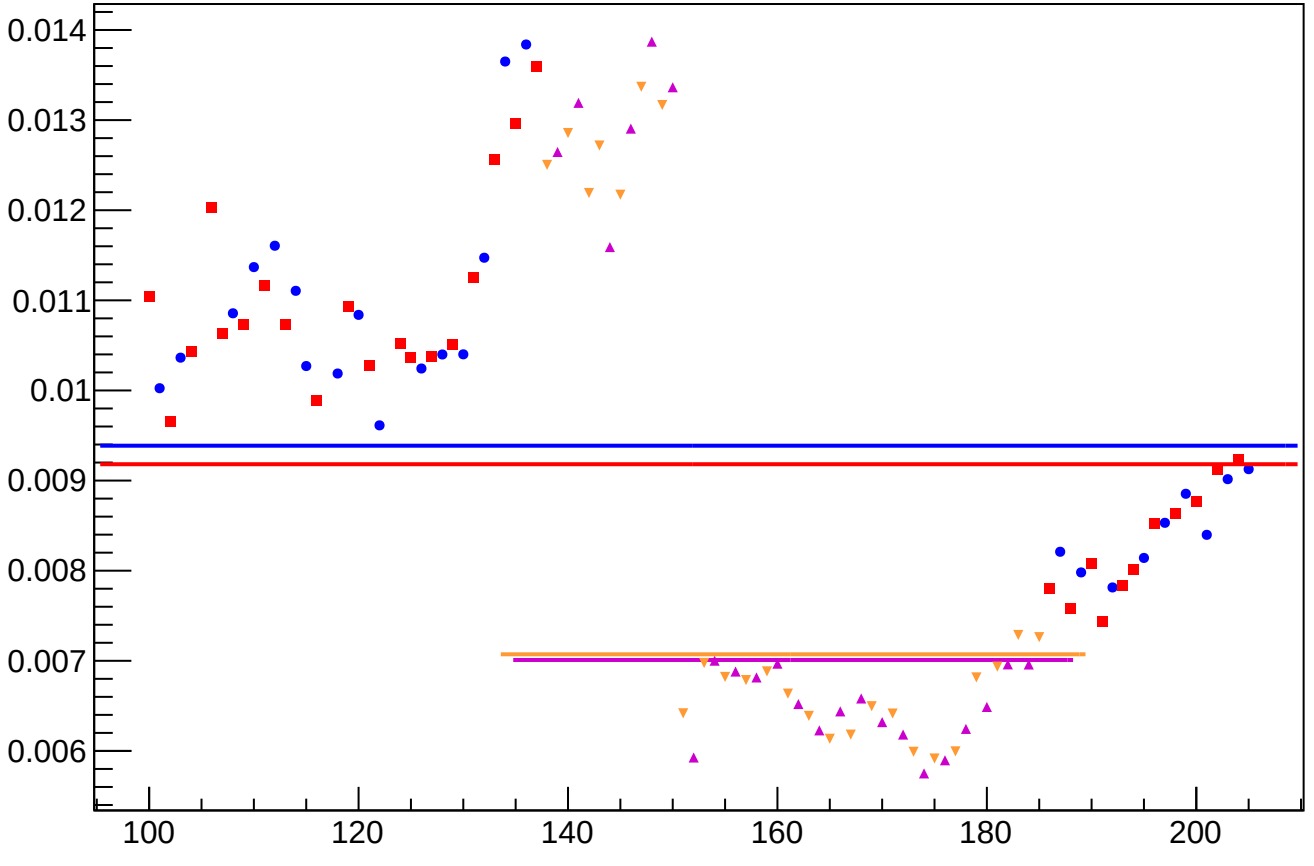
Right: -0.399+/-0.000 χ^2/NDF: 51051663565.2/54

In: -0.422+/-0.000 χ^2/NDF:114144207352.0/47

Out: -0.397+/-0.000 χ^2/NDF:108705707824.9/54

All: -0.409+/-0.000 χ^2/NDF: 223014489632.8

yield_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 626737.7/24

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

Right Out: 0.009+/-0.000 χ^2/NDF: 675256.8/29

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

Left: 0.007+/-0.000 χ^2/NDF: 4841897.1/47

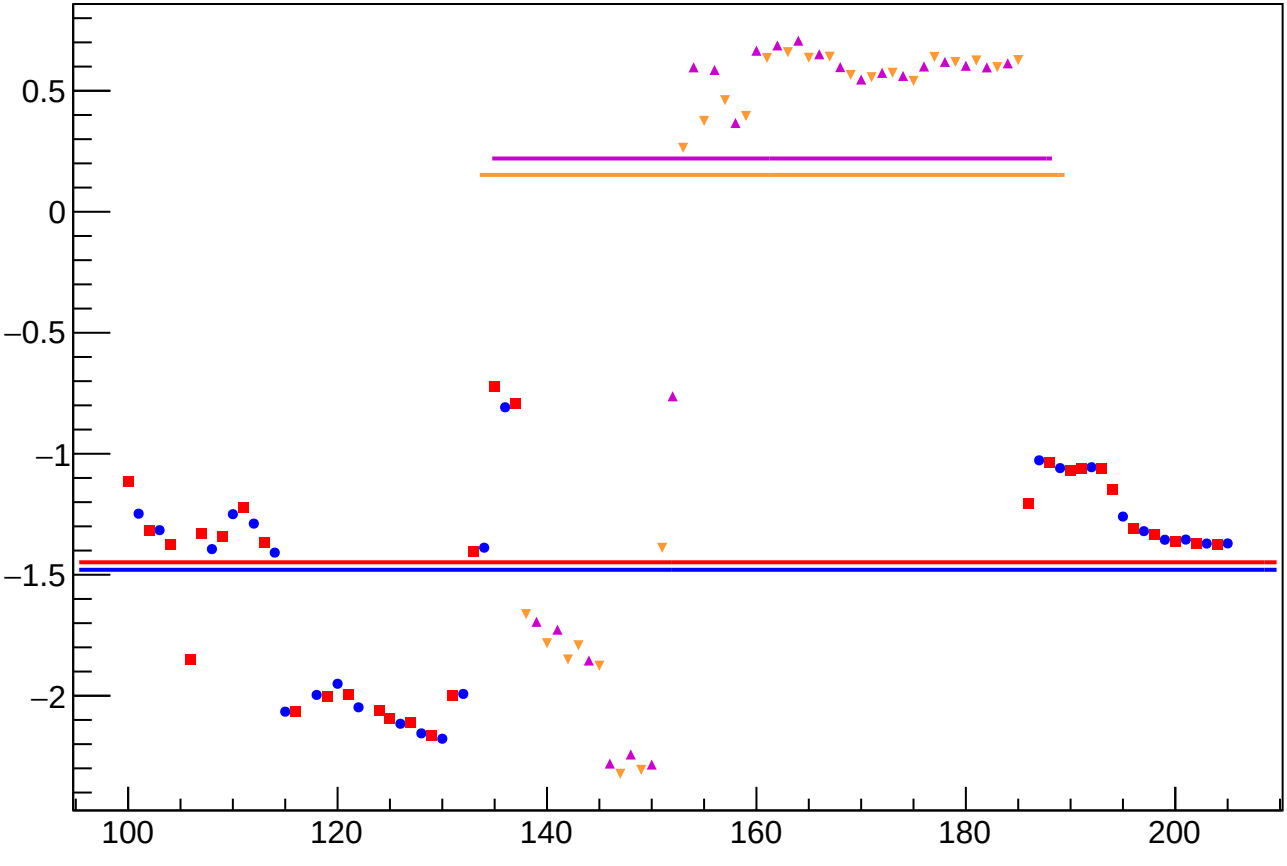
Right: 0.009+/-0.000 χ^2/NDF: 1308911.7/54

In: 0.008+/-0.000 χ^2/NDF:4280469.4/47

Out: 0.008+/-0.000 χ^2/NDF:4103708.1/54

All: 0.008+/-0.000 χ^2/NDF: 8384430.2/102

yield_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: -1.480+/-0.000 χ^2/NDF: 182697122234.0/24

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.449+/-0.000 χ^2/NDF: 172023048373.1/29

Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

Left: 0.185+/-0.000 χ^2/NDF: 4527353258188.4/47

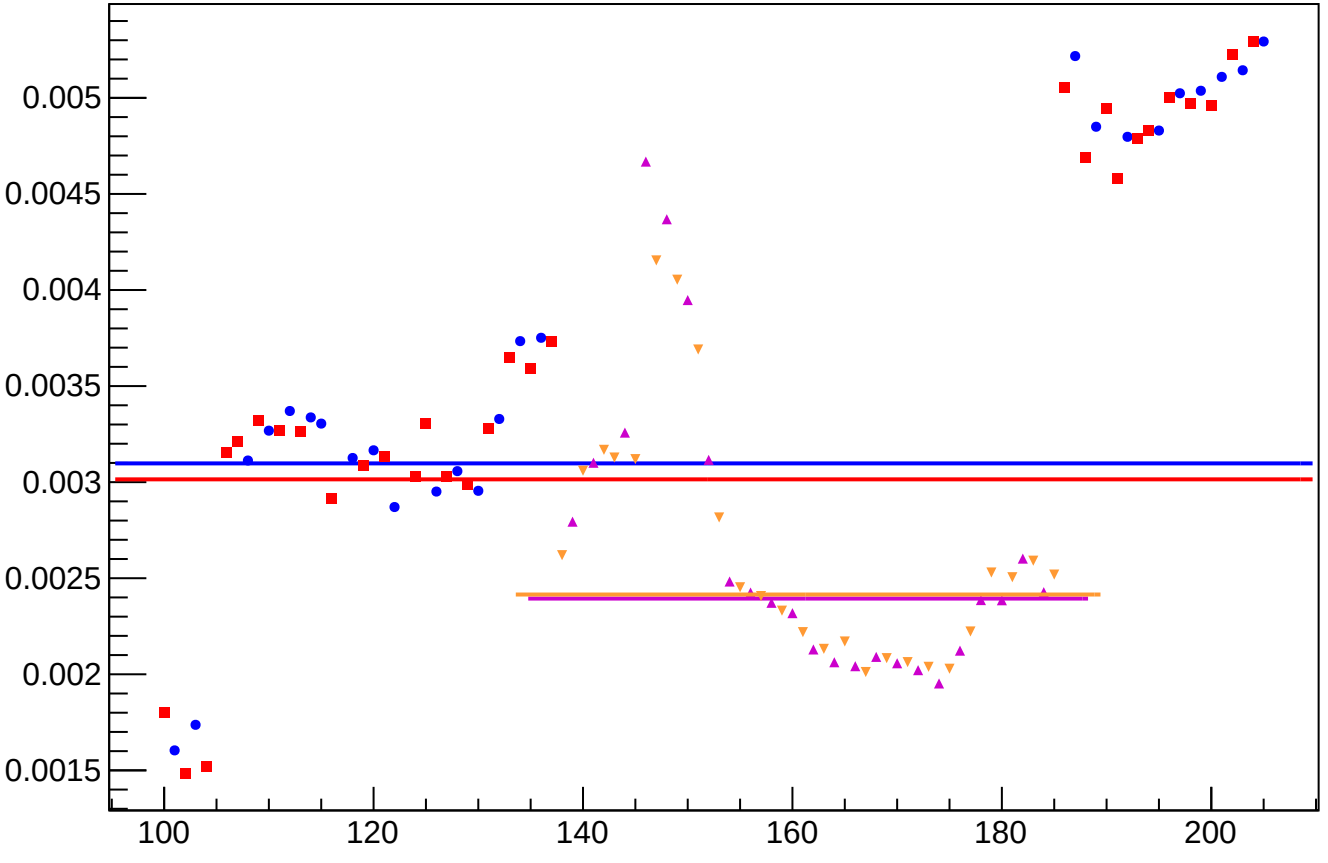
Right: -1.463+/-0.000 χ^2/NDF: 355325264117.8/54

In: -0.289+/-0.000 χ^2/NDF:4717758186593.9/47

Out: -0.349+/-0.000 χ^2/NDF:4918774405965.8/54

All: -0.320+/-0.000 χ^2/NDF: 9643943197612

yield_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3665700.5/24

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4662164.5/29

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

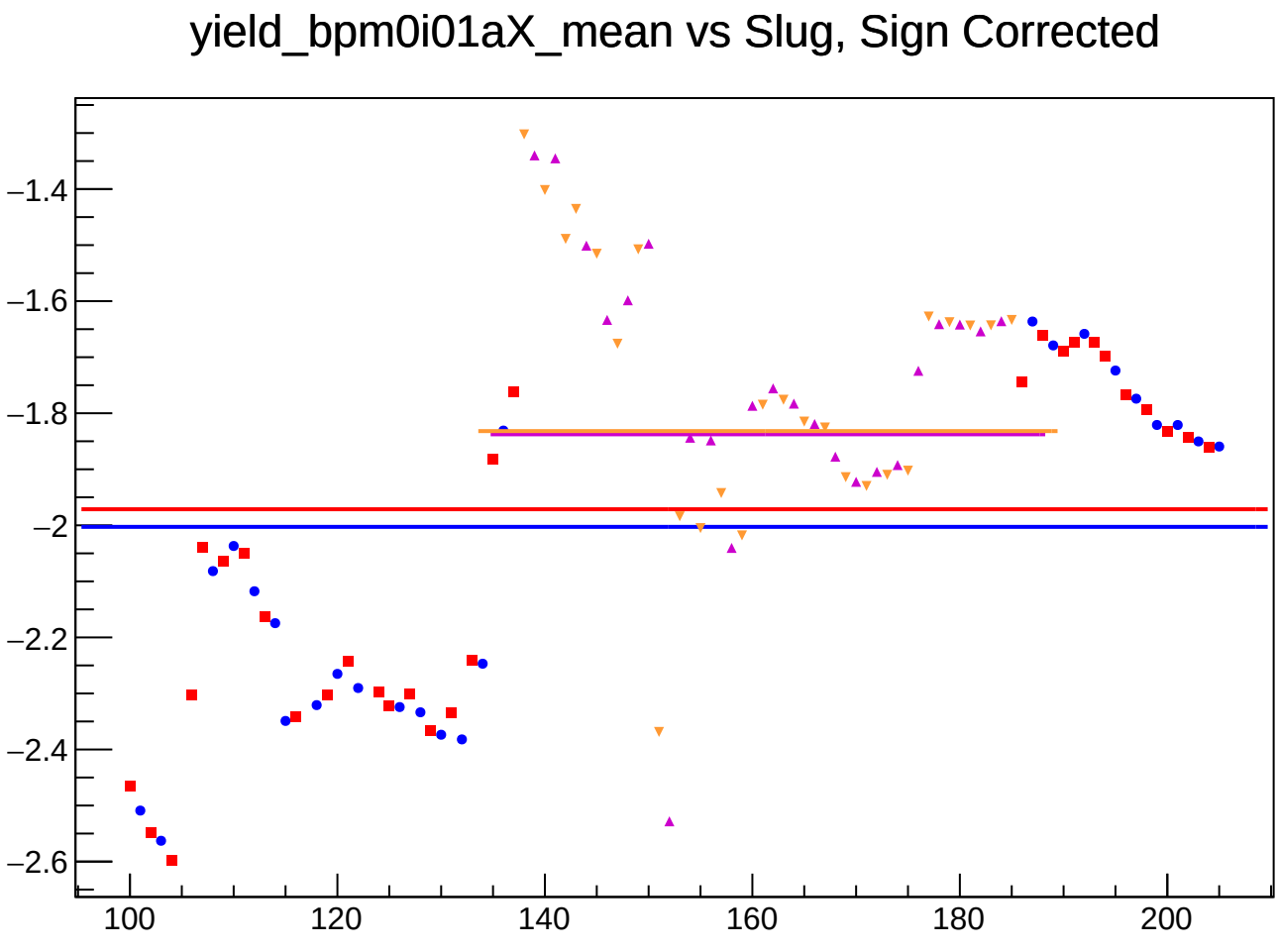
Left: 0.002+/-0.000 χ^2/NDF: 2631272.1/47

Right: 0.003+/-0.000 χ^2/NDF: 8336554.4/54

In: 0.003+/-0.000 χ^2/NDF:5902225.6/47

Out: 0.003+/-0.000 χ^2/NDF:6541040.8/54

All: 0.003+/-0.000 χ^2/NDF: 12443282.7/102



Right In: -2.003+/-0.000 χ^2/NDF: 32609945861.0/24

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.971+/-0.000 χ^2/NDF: 37106113024.3/29

Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

Left: -1.835+/-0.000 χ^2/NDF: 91818701563.9/47

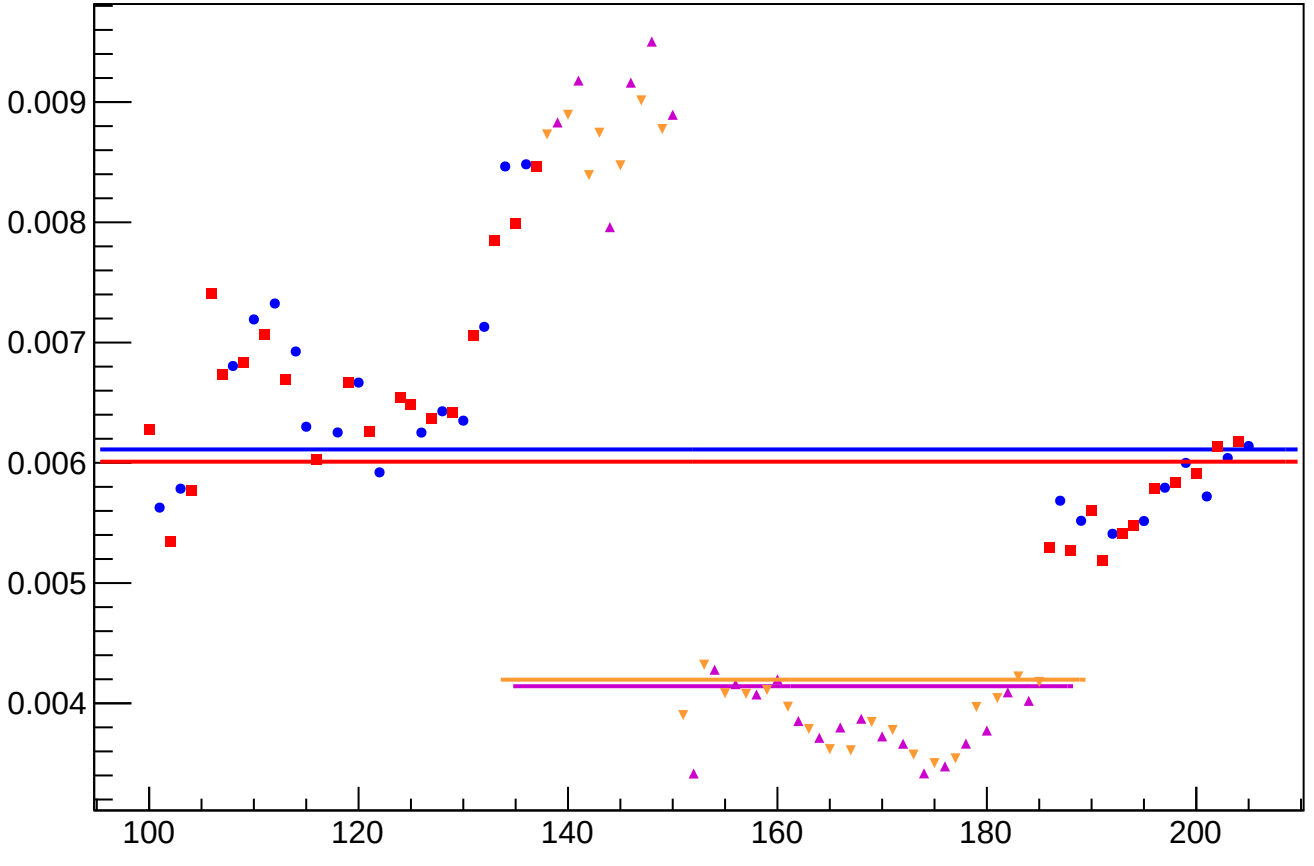
Right: -1.986+/-0.000 χ^2/NDF: 69906187365.7/54

In: -1.884+/-0.000 χ^2/NDF:93180802452.0/47

Out: -1.873+/-0.000 χ^2/NDF:81084512679.6/54

All: -1.878+/-0.000 χ^2/NDF: 174337728520.9

yield_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 365653.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 379464.6/29

Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

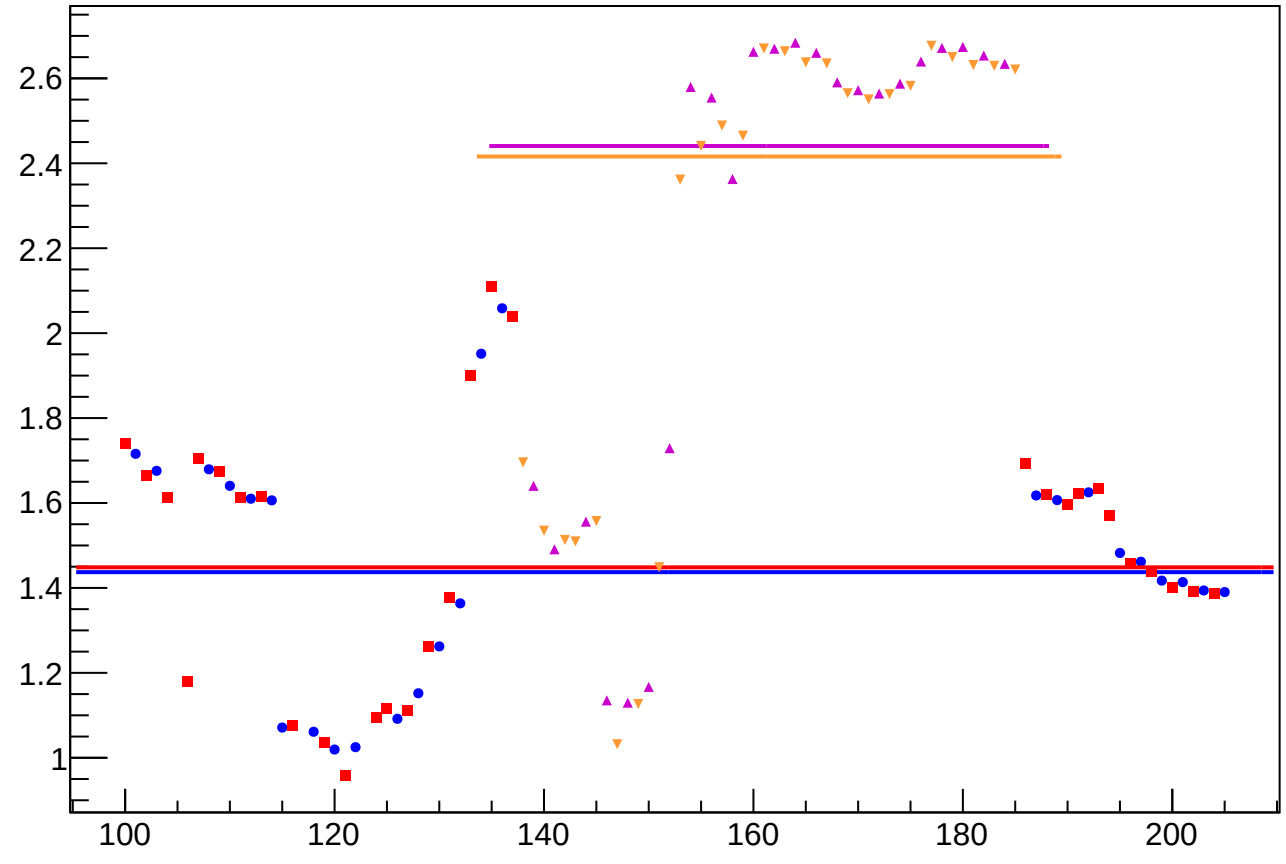
Left: 0.004+/-0.000 χ^2/NDF: 6288278.1/47

Right: 0.006+/-0.000 χ^2/NDF: 749104.8/54

In: 0.005+/-0.000 χ^2/NDF:5587878.1/47

Out: 0.005+/-0.000 χ^2/NDF:5368114.4/54

All: 0.005+/-0.000 χ^2/NDF: 10958539.5/102



Right In: 1.437+/-0.000 χ^2/NDF: 191422723181.6/24

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.449+/-0.000 χ^2/NDF: 186557943934.4/29

Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

Left: 2.428+/-0.000 χ^2/NDF: 475134633285.5/47

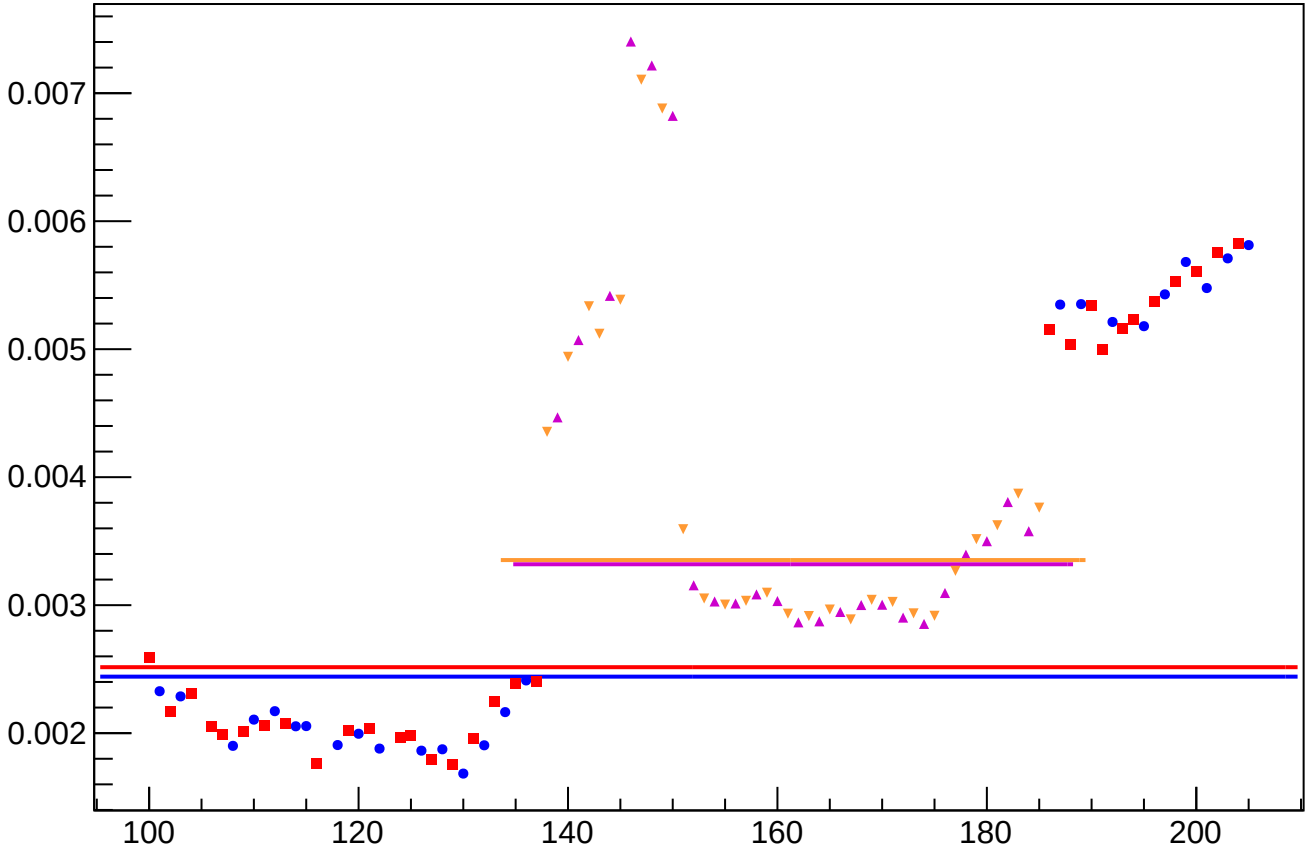
Right: 1.443+/-0.000 χ^2/NDF: 378101687258.8/54

In: 1.883+/-0.000 χ^2/NDF:1252151342613.1/47

Out: 1.883+/-0.000 χ^2/NDF:1229899714535.1/54

All: 1.883+/-0.000 χ^2/NDF: 2482051071132.

yield_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4891681.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

Right Out: 0.003+/-0.000 χ^2/NDF: 5365294.5/29

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

Left: 0.003+/-0.000 χ^2/NDF: 3877180.3/47

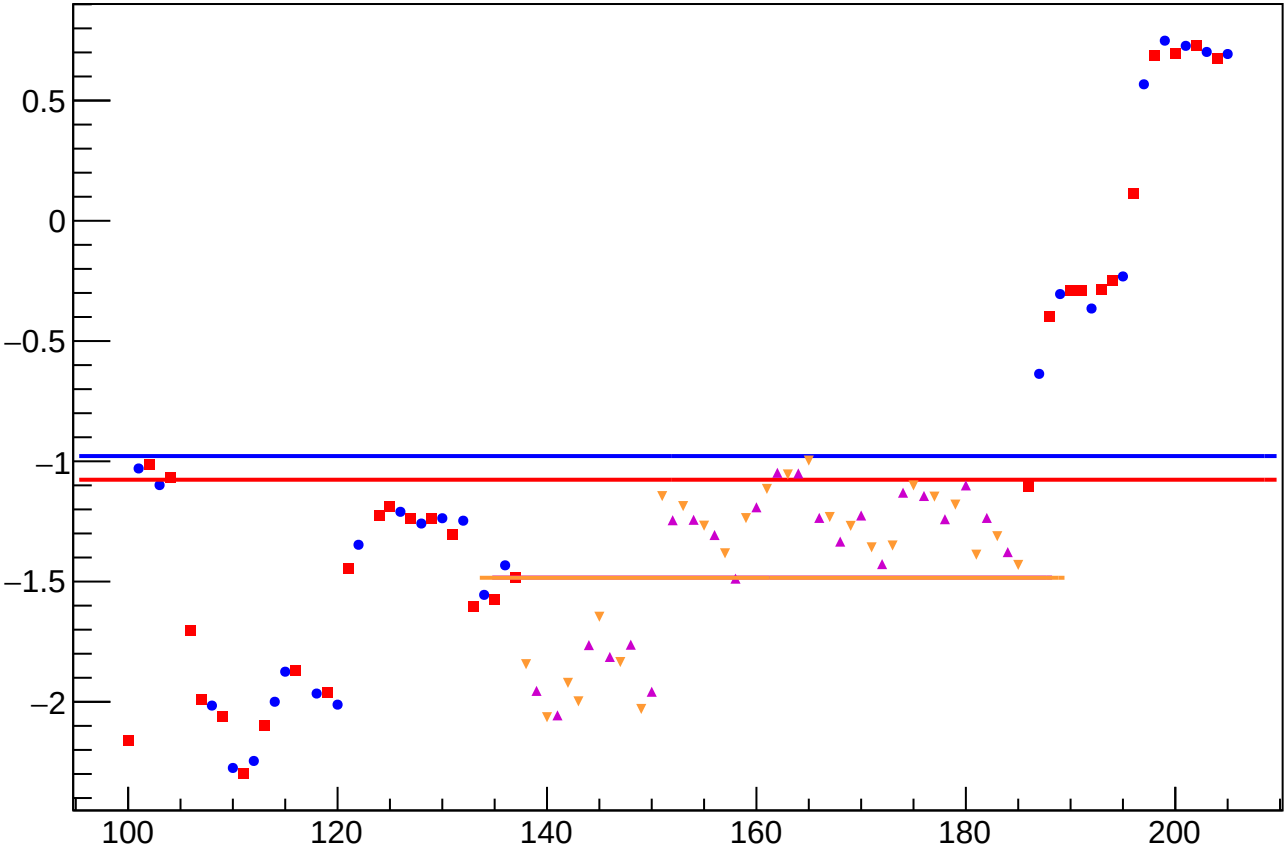
Right: 0.002+/-0.000 χ^2/NDF: 10267225.5/54

In: 0.003+/-0.000 χ^2/NDF:8216617.5/47

Out: 0.003+/-0.000 χ^2/NDF:8382977.1/54

All: 0.003+/-0.000 χ^2/NDF: 16611628.1/102

yield_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -0.978+/-0.000 χ^2/NDF: 168709894873.7/24

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.077+/-0.000 χ^2/NDF: 193564648075.2/29

Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

Left: -1.484+/-0.000 χ^2/NDF: 88792333216.2/47

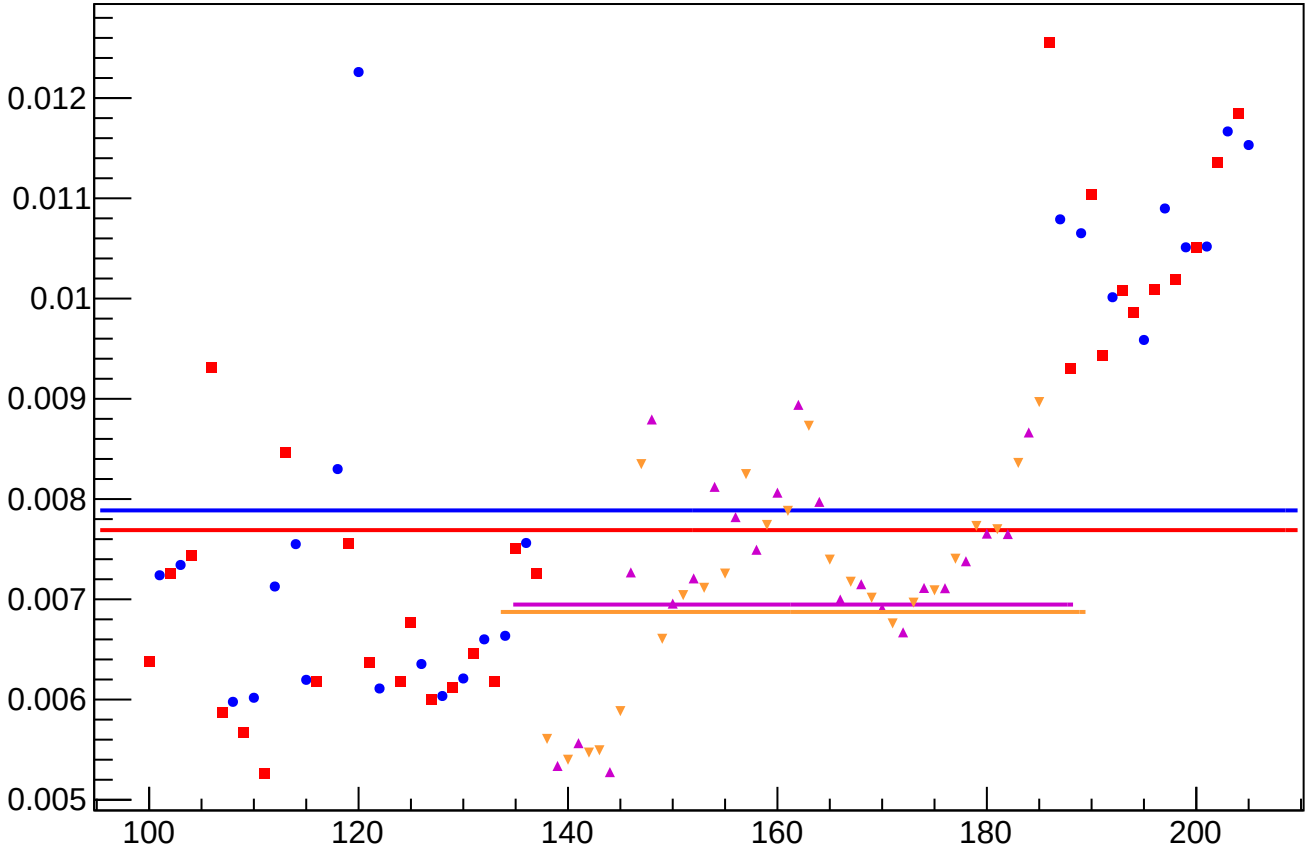
Right: -1.031+/-0.000 χ^2/NDF: 363320283240.8/54

In: -1.300+/-0.000 χ^2/NDF:241711131697.3/47

Out: -1.330+/-0.000 χ^2/NDF:266126104995.3/54

All: -1.316+/-0.000 χ^2/NDF: 508094704101.2

yield_bpm0l01X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 1505114.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

Right Out: 0.008+/-0.000 χ^2/NDF: 1799302.9/29

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

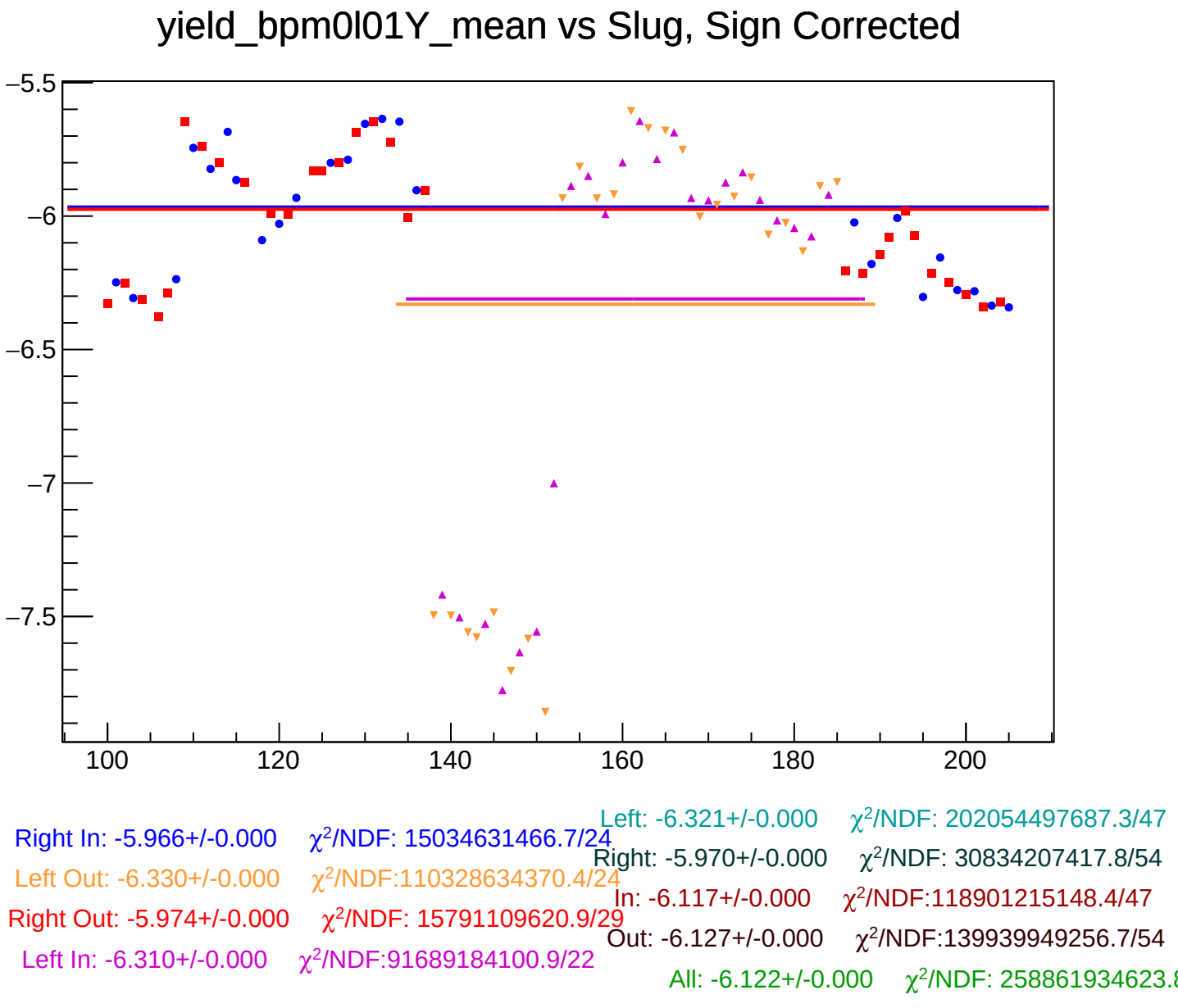
Left: 0.007+/-0.000 χ^2/NDF: 1494256.2/47

Right: 0.008+/-0.000 χ^2/NDF: 3312774.3/54

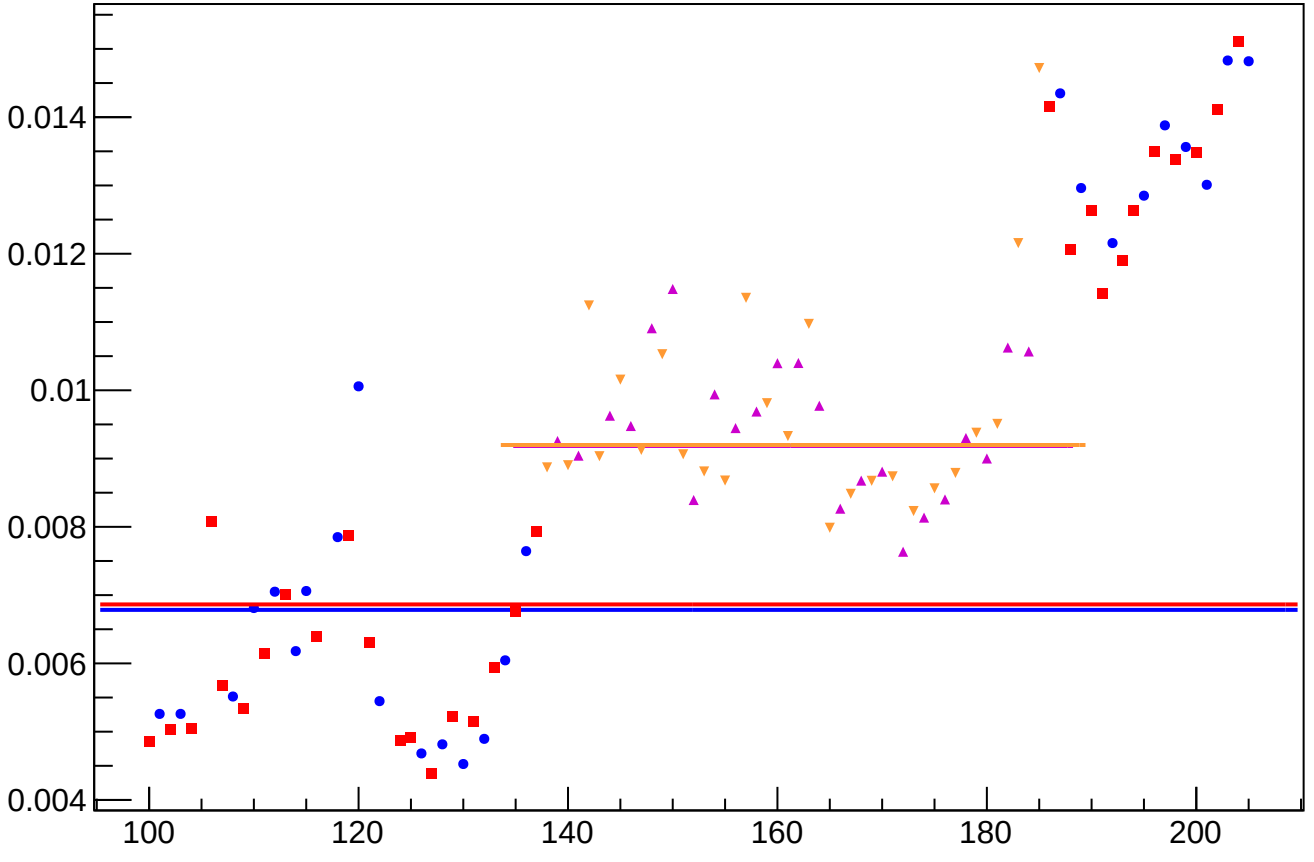
In: 0.007+/-0.000 χ^2/NDF:2477580.5/47

Out: 0.007+/-0.000 χ^2/NDF:2738287.9/54

All: 0.007+/-0.000 χ^2/NDF: 5222325.3/102


yield_bpm0l01Y_mean vs Slug, Sign Corrected
−5.5
−6
−6.5
−7
−7.5
100
120
140
160
180
200
Right In: -5.966+/-0.000 χ²/NDF: 15034631466.7/24
Left Out: -6.330+/-0.000 χ²/NDF:110328634370.4/24
Right Out: -5.974+/-0.000 χ²/NDF: 15791109620.9/29
Left In: -6.310+/-0.000 χ²/NDF:91689184100.9/22
Left: -6.321+/-0.000 χ²/NDF: 202054497687.3/47
Right: -5.970+/-0.000 χ²/NDF: 30834207417.8/54
In: -6.117+/-0.000 χ²/NDF:118901215148.4/47
Out: -6.127+/-0.000 χ²/NDF:139939949256.7/54
All: -6.122+/-0.000 χ²/NDF: 258861934623.8

yield_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 4350148.6/24

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

Right Out: 0.007+/-0.000 χ^2/NDF: 4606659.0/29

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

Left: 0.009+/-0.000 χ^2/NDF: 686142.8/47

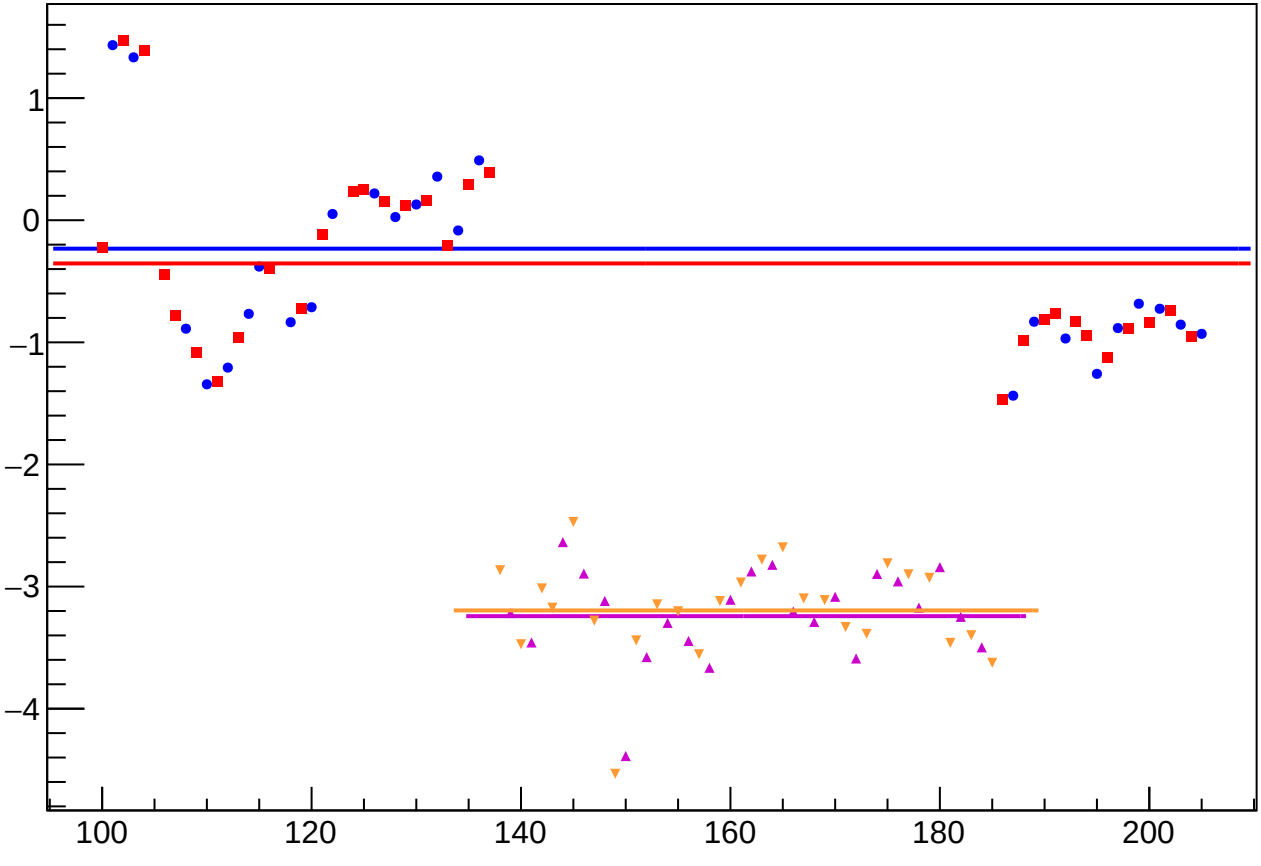
Right: 0.007+/-0.000 χ^2/NDF: 8958366.5/54

In: 0.008+/-0.000 χ^2/NDF:5852582.0/47

Out: 0.008+/-0.000 χ^2/NDF:6163669.1/54

All: 0.008+/-0.000 χ^2/NDF: 12016588.5/102

yield_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -0.233+/-0.000 χ^2/NDF: 32471863565.9/24

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.354+/-0.000 χ^2/NDF: 34639810677.6/29

Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

Left: -3.218+/-0.000 χ^2/NDF: 17560435430.7/47

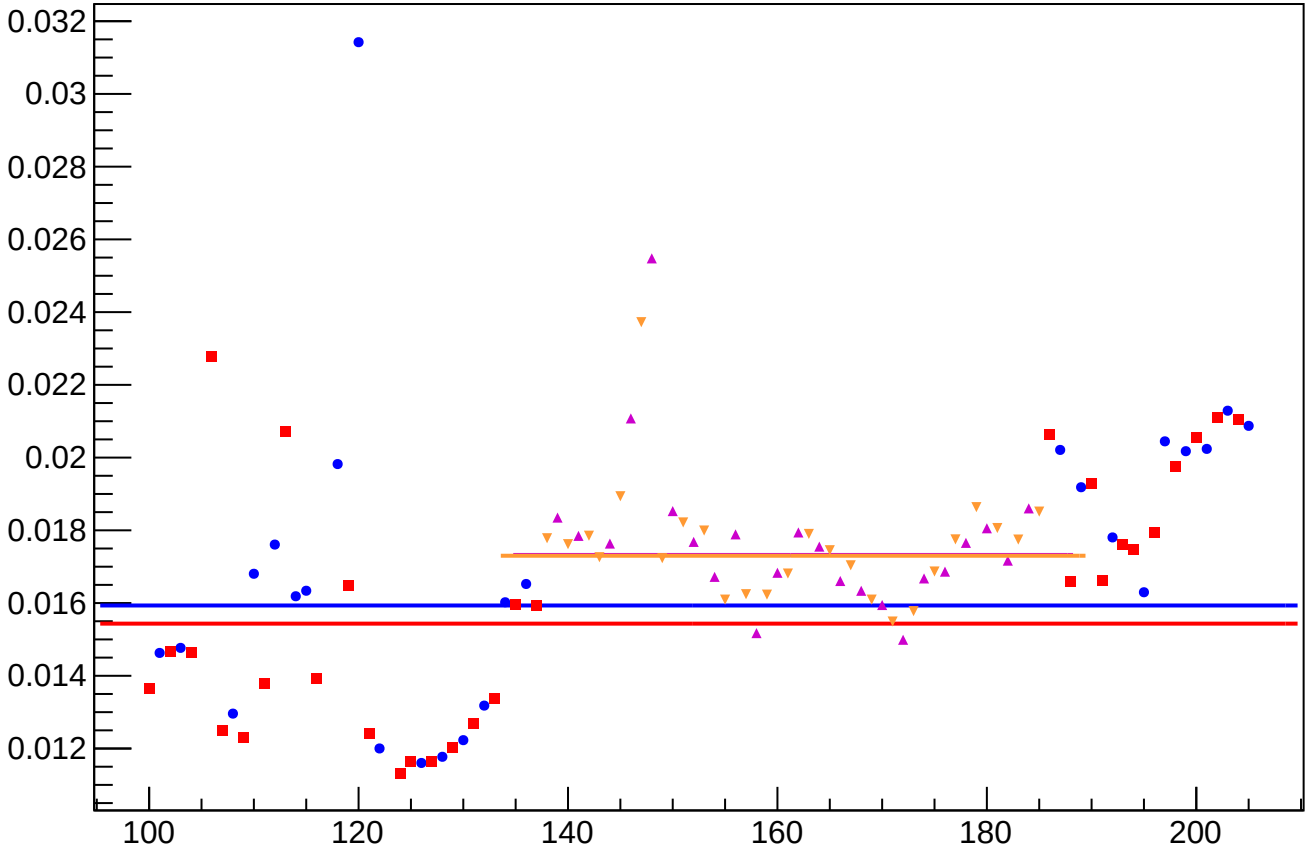
Right: -0.299+/-0.000 χ^2/NDF: 67507442582.6/54

In: -1.858+/-0.000 χ^2/NDF:283773486332.5/47

Out: -1.809+/-0.000 χ^2/NDF:288636924156.8/54

All: -1.832+/-0.000 χ^2/NDF: 572545428274.5

yield_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 0.016+/-0.000 χ^2/NDF: 1185751.2/24

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.015+/-0.000 χ^2/NDF: 1190545.7/29

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

Left: 0.017+/-0.000 χ^2/NDF: 547937.7/47

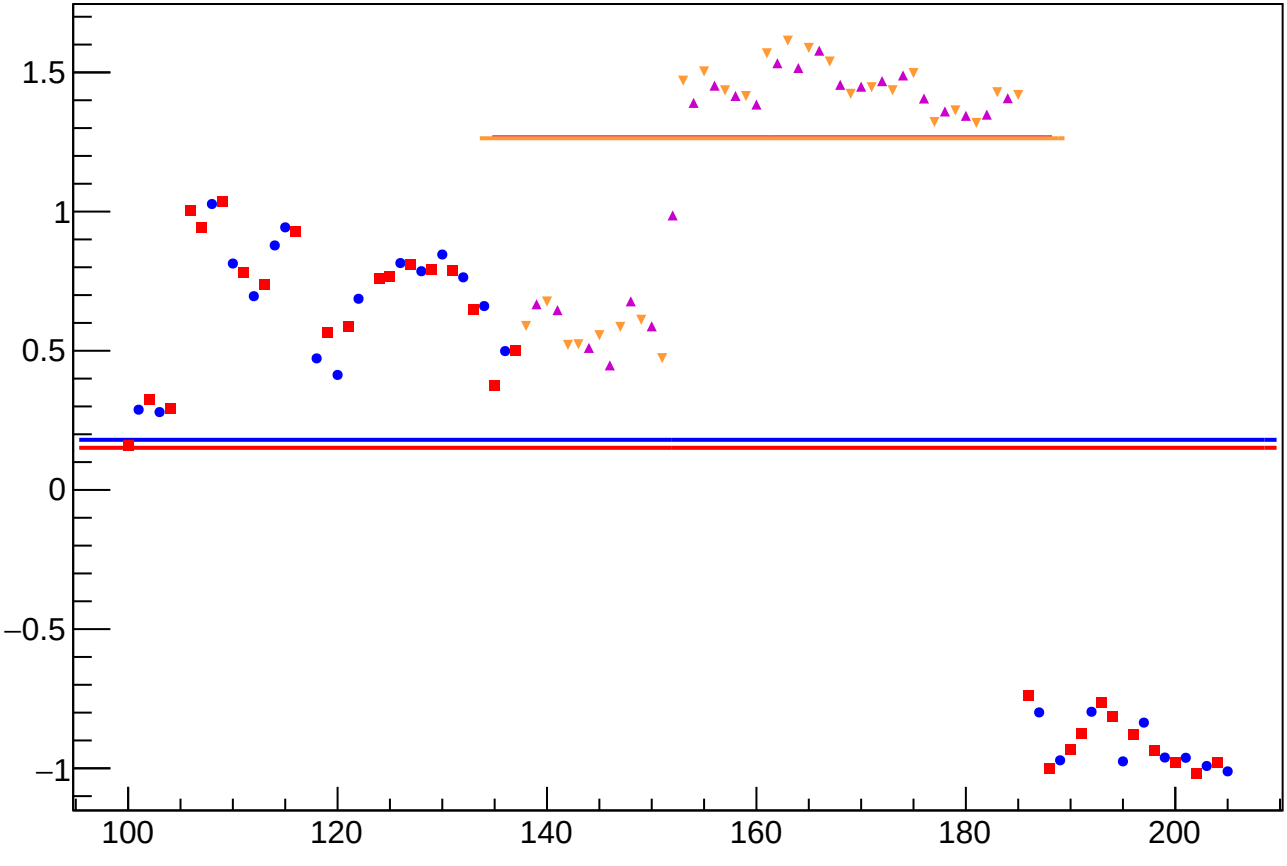
Right: 0.016+/-0.000 χ^2/NDF: 2389764.8/54

In: 0.017+/-0.000 χ^2/NDF:1619373.4/47

Out: 0.016+/-0.000 χ^2/NDF:1619677.1/54

All: 0.017+/-0.000 χ^2/NDF: 3248875.5/102

yield_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 0.180+/-0.000 χ^2/NDF: 68513000141.2/24

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.151+/-0.000 χ^2/NDF: 81232947043.4/29

Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

Left: 1.265+/-0.000 χ^2/NDF: 83211392403.2/47

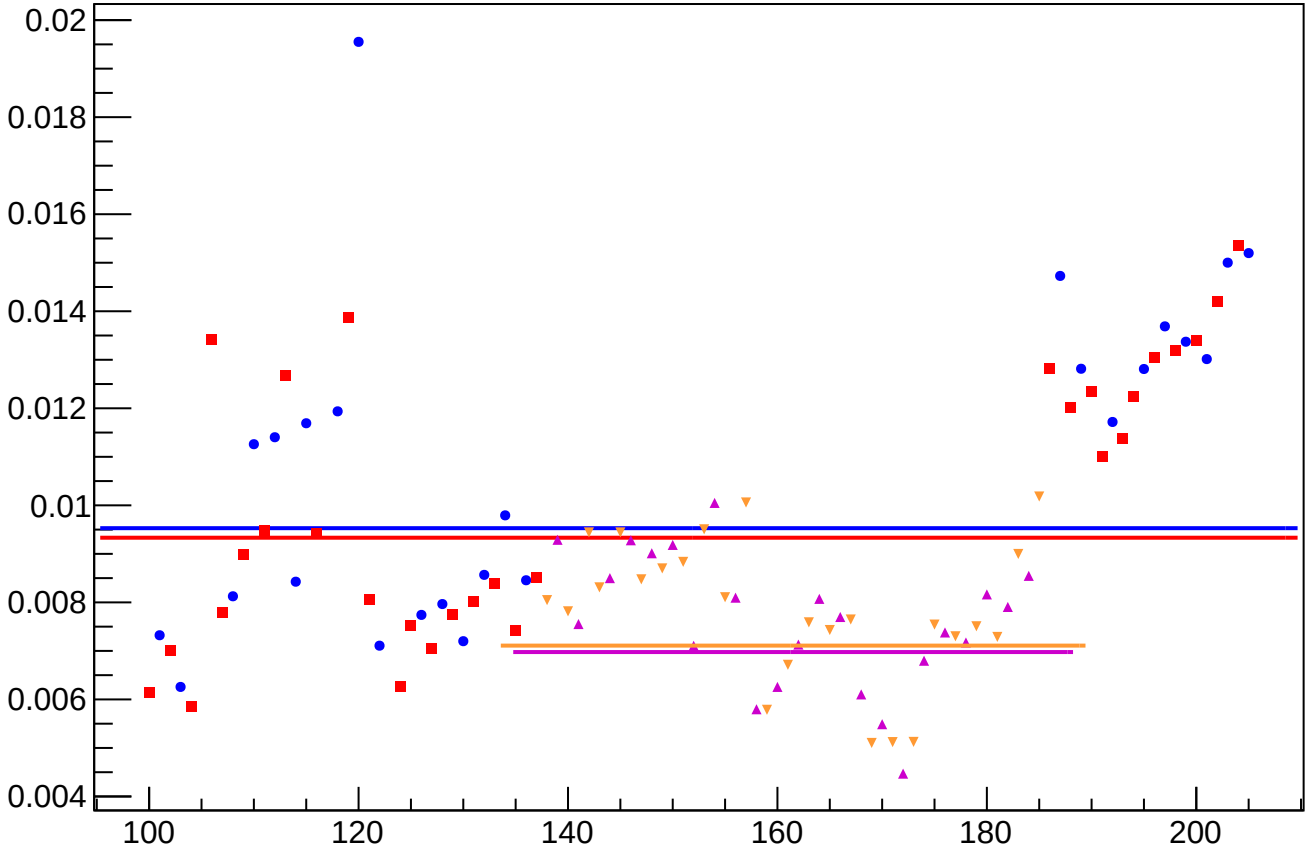
Right: 0.165+/-0.000 χ^2/NDF: 149803830829.4/54

In: 0.960+/-0.000 χ^2/NDF:217490189932.4/47

Out: 0.918+/-0.000 χ^2/NDF:256022868048.2/54

All: 0.939+/-0.000 χ^2/NDF: 473926617207.6

yield_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 0.010+/-0.000 χ^2/NDF: 2154758.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2305934.4/29

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

Left: 0.007+/-0.000 χ^2/NDF: 2982253.4/47

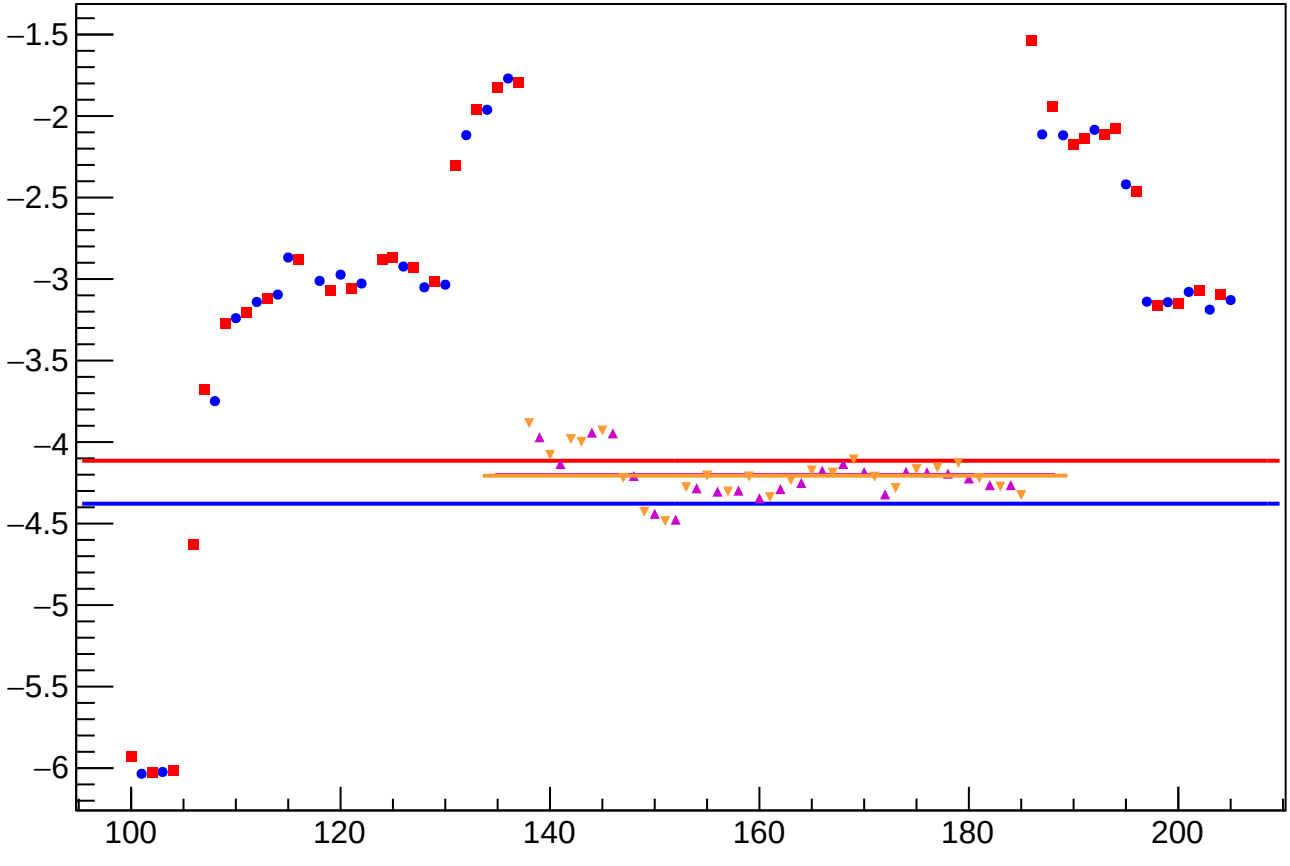
Right: 0.009+/-0.000 χ^2/NDF: 4466135.5/54

In: 0.008+/-0.000 χ^2/NDF:4841136.8/47

Out: 0.008+/-0.000 χ^2/NDF:4858311.7/54

All: 0.008+/-0.000 χ^2/NDF: 9704418.0/102

yield_bpm0l03X_mean vs Slug, Sign Corrected



Right In: -4.378+/-0.000 χ^2/NDF: 278890727694.4/24

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.115+/-0.000 χ^2/NDF: 297643782537.2/29

Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

Left: -4.203+/-0.000 χ^2/NDF: 104337107.5/47

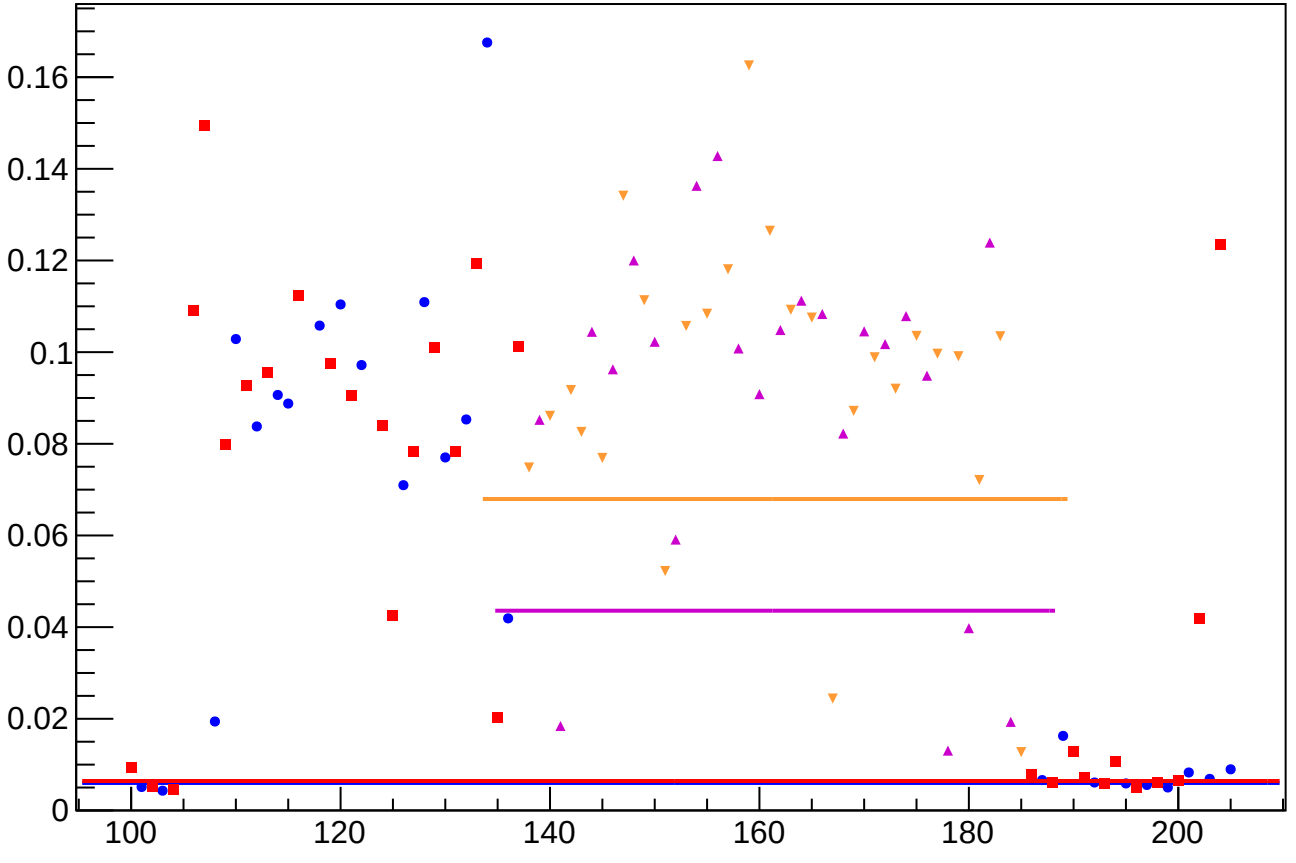
Right: -4.259+/-0.000 χ^2/NDF: 579790110119.6/54

In: -4.371+/-0.000 χ^2/NDF:279055793780.9/47

Out: -4.117+/-0.000 χ^2/NDF:297726938055.9/54

All: -4.257+/-0.000 χ^2/NDF: 579914350865.1

yield_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 0.006+/-0.000 χ^2/NDF: 8906876.6/24

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.006+/-0.000 χ^2/NDF: 10452262.4/29

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

Left: 0.053+/-0.000 χ^2/NDF: 22308835.8/47

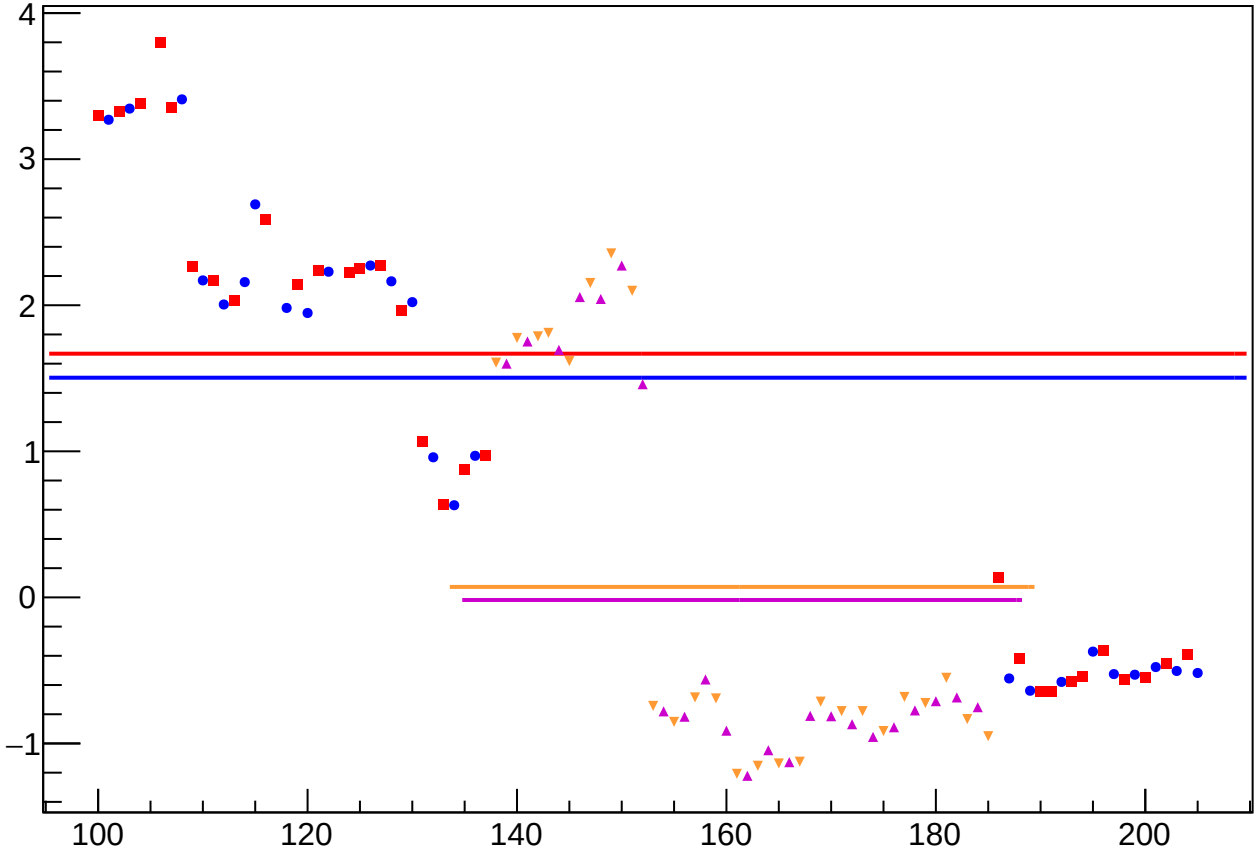
Right: 0.006+/-0.000 χ^2/NDF: 19375883.2/54

In: 0.007+/-0.000 χ^2/NDF:32786118.4/47

Out: 0.008+/-0.000 χ^2/NDF:37624657.8/54

All: 0.008+/-0.000 χ^2/NDF: 70480223.9/102

yield_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: 1.504+/-0.000 χ^2/NDF: 208323210485.2/24

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.668+/-0.000 χ^2/NDF: 182351727603.8/29

Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

Left: 0.024+/-0.000 χ^2/NDF: 7099580100.2/47

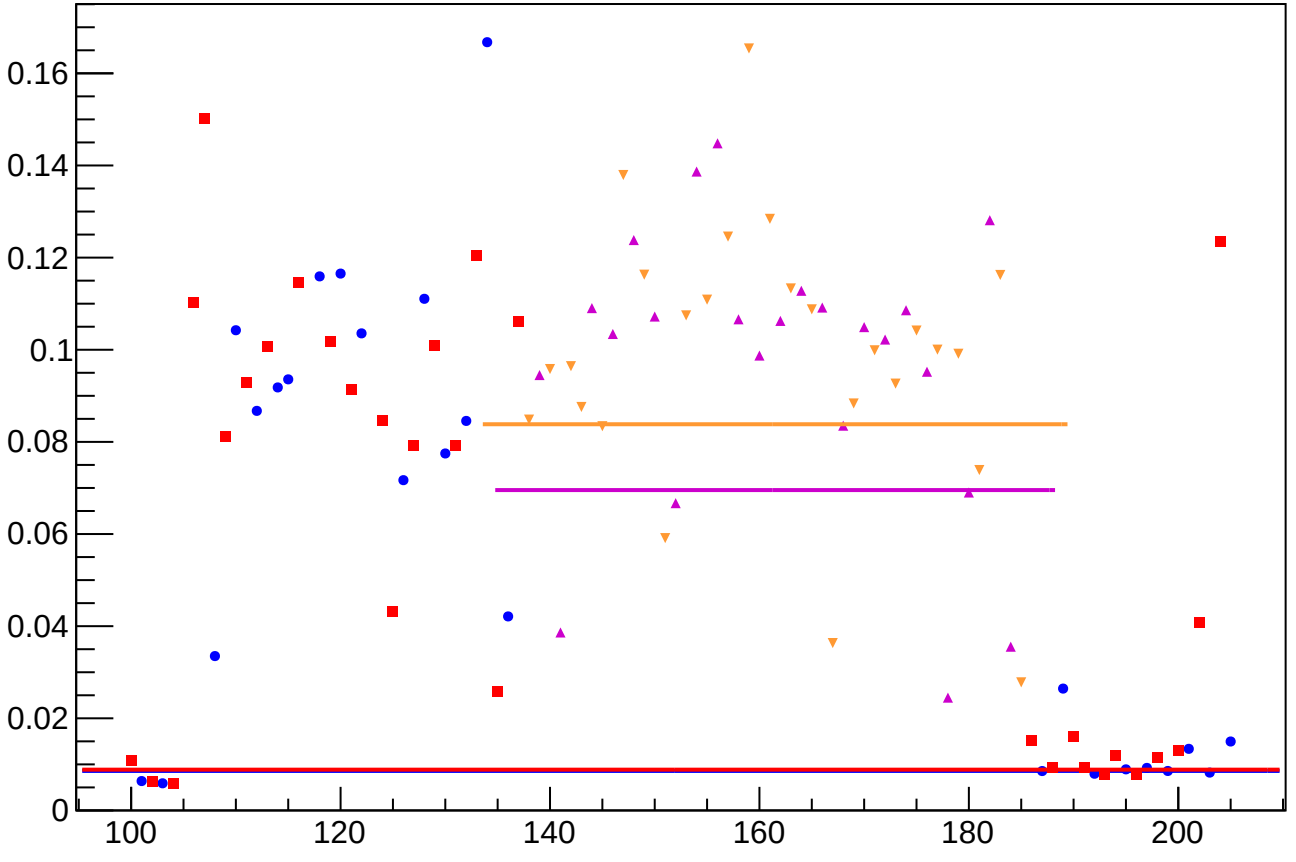
Right: 1.581+/-0.000 χ^2/NDF: 391413655788.9/54

In: 1.444+/-0.000 χ^2/NDF:217069195615.9/47

Out: 1.607+/-0.000 χ^2/NDF:191030788111.6/54

All: 1.521+/-0.000 χ^2/NDF: 408854675844.6

yield_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 8756125.4/24

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10218938.7/29

Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

Left: 0.076+/-0.000 χ^2/NDF: 10977959.7/47

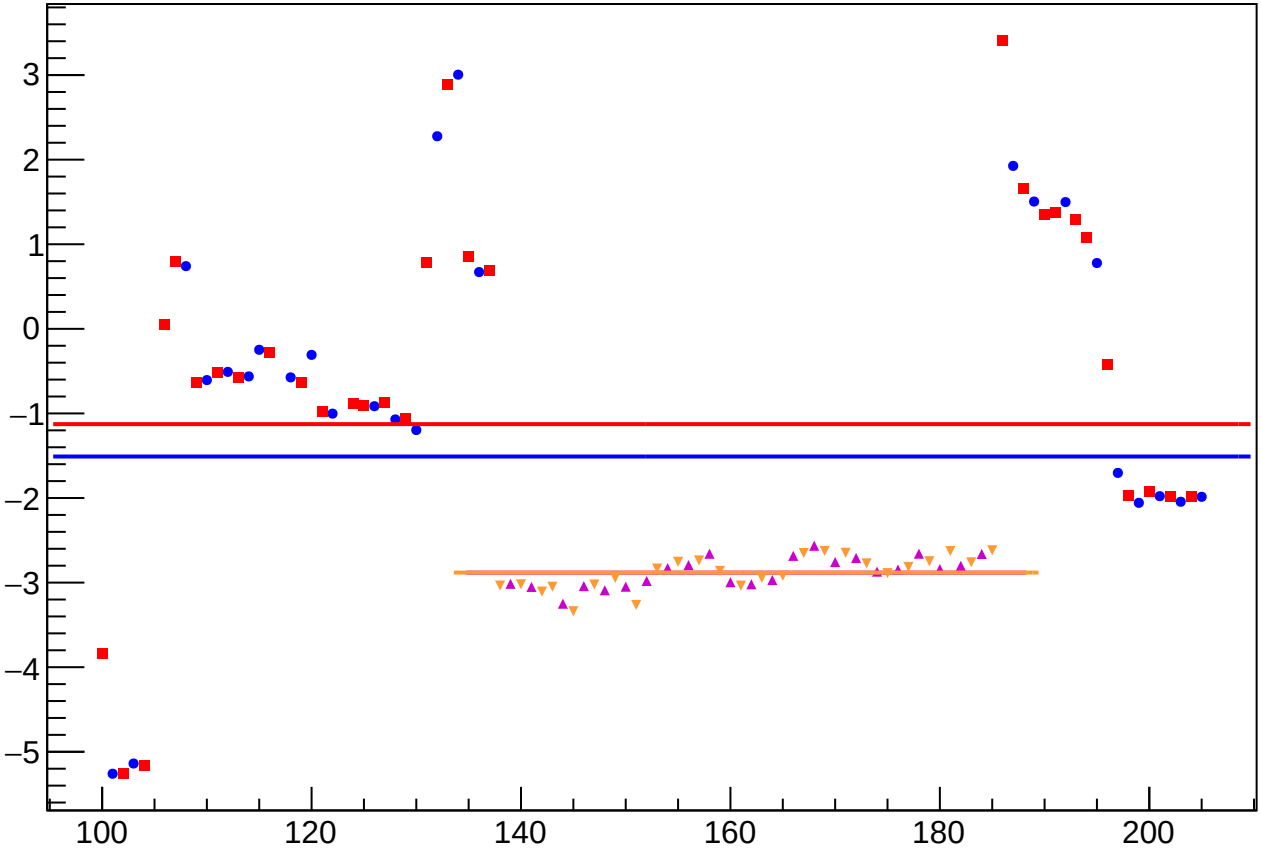
Right: 0.009+/-0.000 χ^2/NDF: 18979155.3/54

In: 0.011+/-0.000 χ^2/NDF:32432736.1/47

Out: 0.012+/-0.000 χ^2/NDF:36292201.0/54

All: 0.011+/-0.000 χ^2/NDF: 68757438.2/102

yield_bpm0l04X_mean vs Slug, Sign Corrected



Right In: -1.509+/-0.000 χ^2/NDF: 208010203093.0/24

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.126+/-0.000 χ^2/NDF: 234978799953.6/29

Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

Left: -2.882+/-0.000 χ^2/NDF: 18853297310.6/47

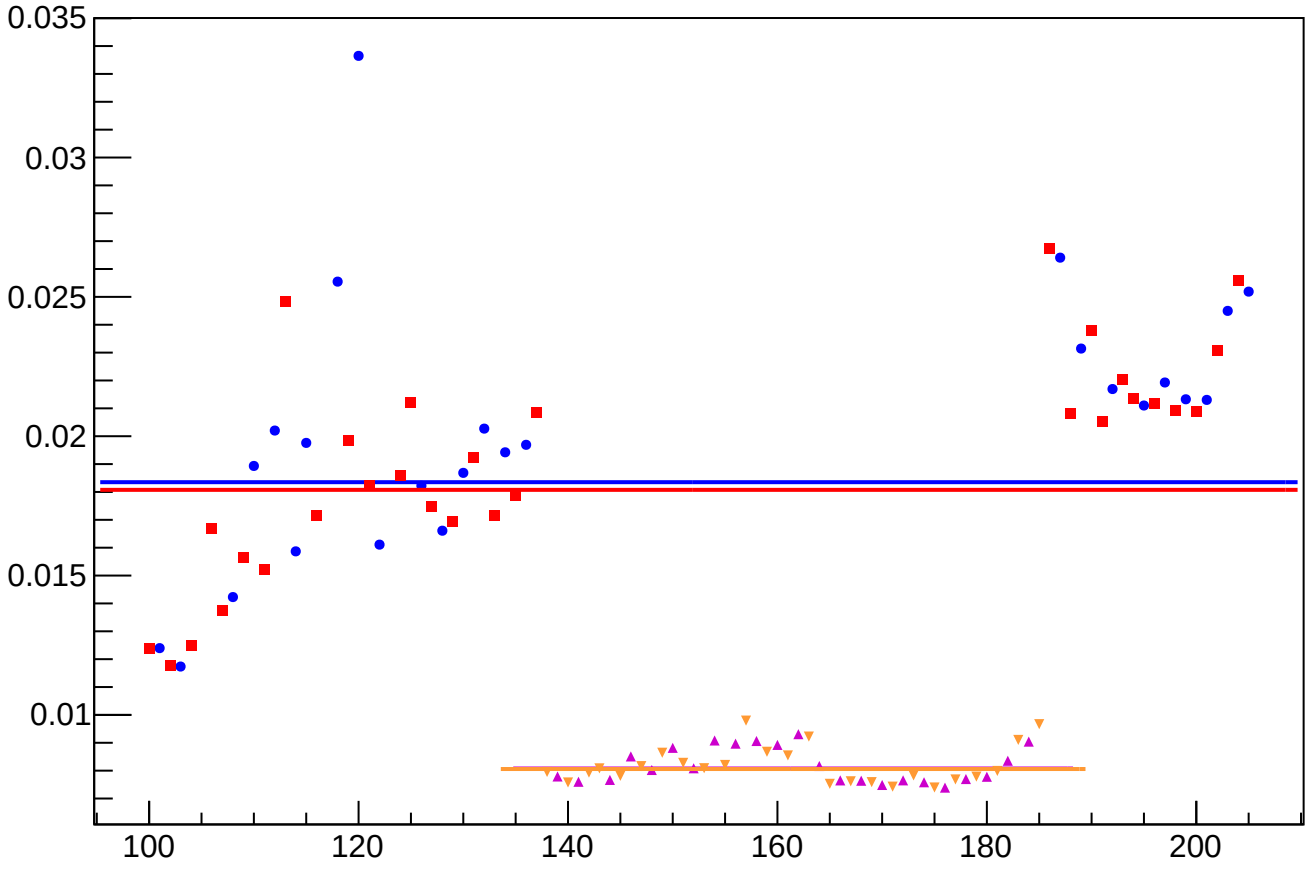
Right: -1.303+/-0.000 χ^2/NDF: 445810750678.1/54

In: -2.720+/-0.000 χ^2/NDF:275828747894.3/47

Out: -2.657+/-0.000 χ^2/NDF:357504001872.8/54

All: -2.687+/-0.000 χ^2/NDF: 633974785647.0

yield_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 0.018+/-0.000 χ^2/NDF: 1458990.2/24

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1353006.6/29

Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

Left: 0.008+/-0.000 χ^2/NDF: 367394.9/47

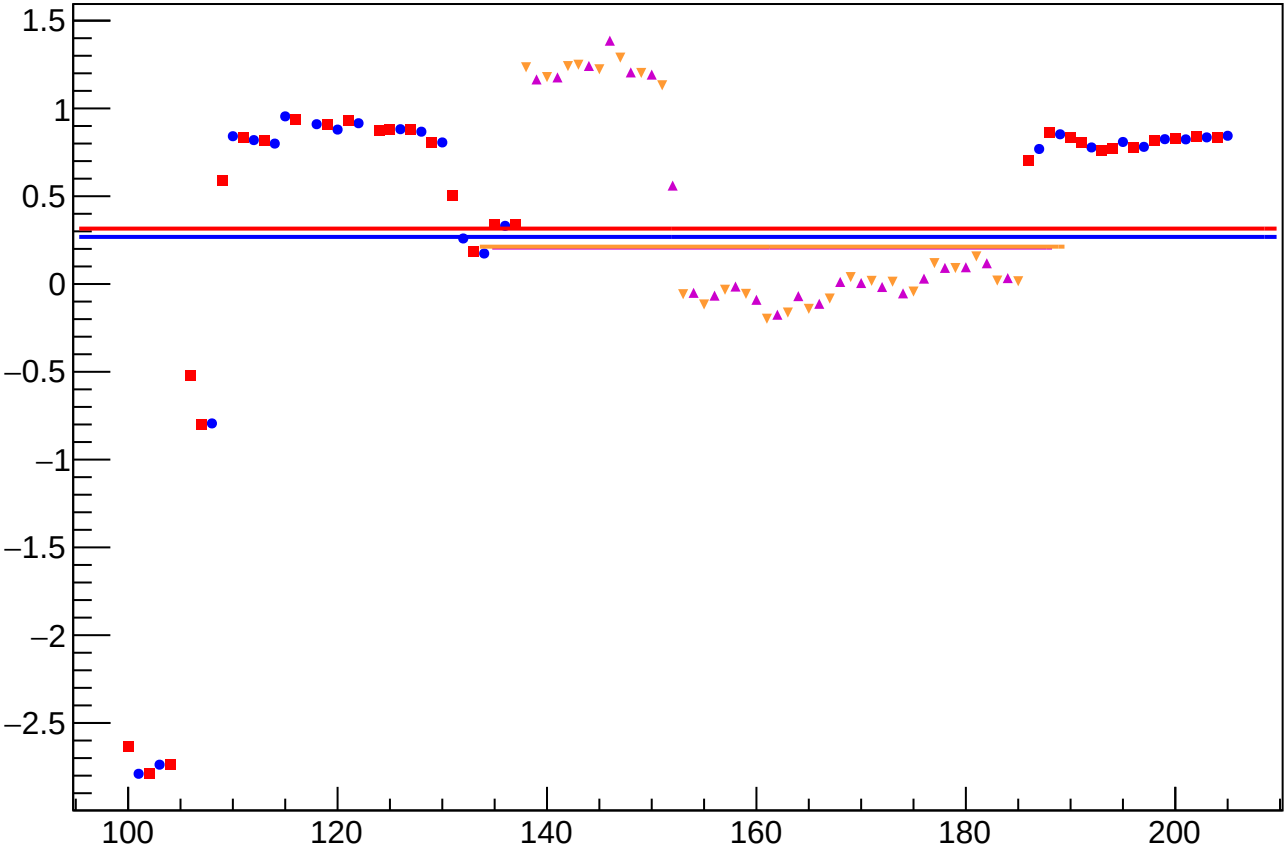
Right: 0.018+/-0.000 χ^2/NDF: 2814915.2/54

In: 0.009+/-0.000 χ^2/NDF:8302492.9/47

Out: 0.009+/-0.000 χ^2/NDF:8835964.7/54

All: 0.009+/-0.000 χ^2/NDF: 17139289.2/102

yield_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: 0.268+/-0.000 χ^2/NDF: 948786169772.4/24

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.316+/-0.000 χ^2/NDF: 1039492775775.2/29

Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

Left: 0.210+/-0.000 χ^2/NDF: 189934243300.6/47

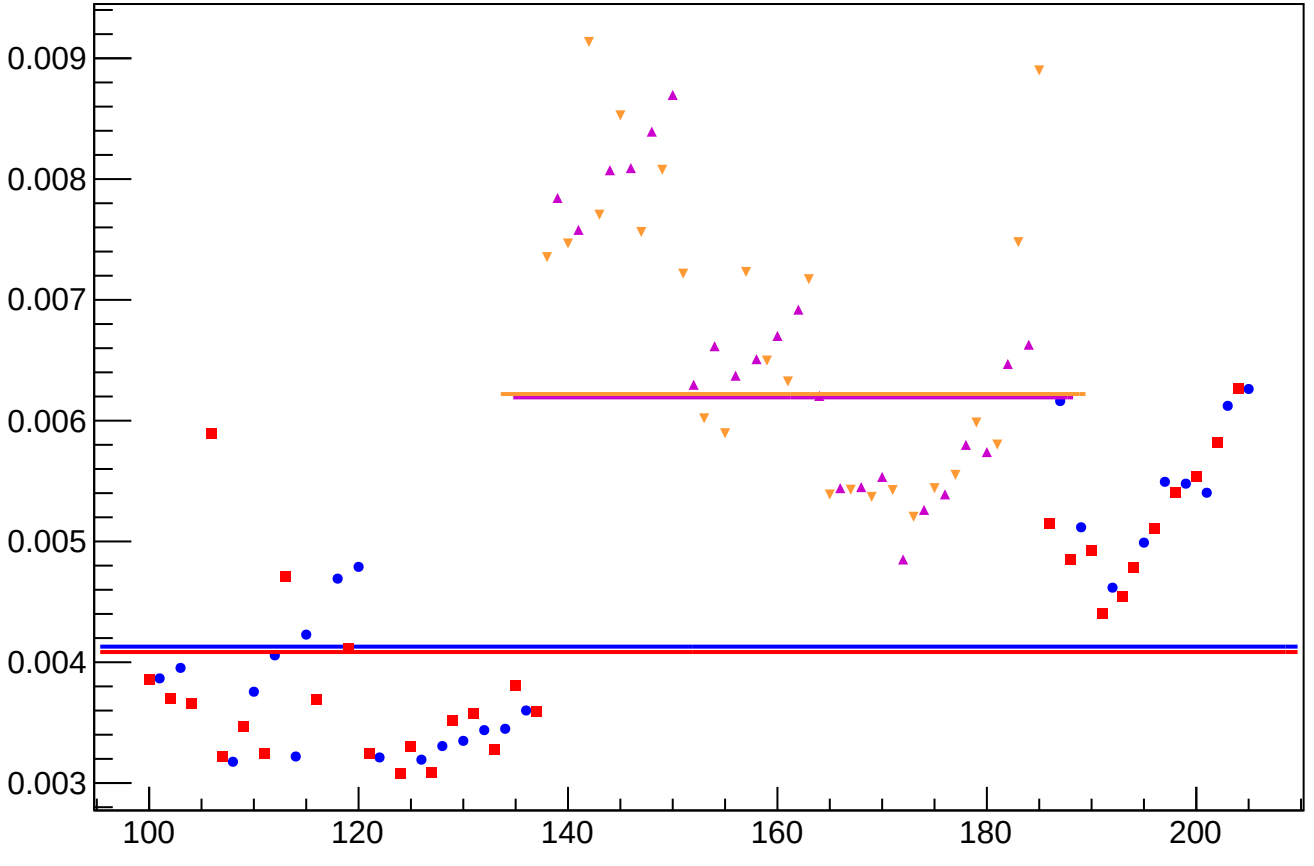
Right: 0.293+/-0.000 χ^2/NDF: 1989170341741.3/54

In: 0.247+/-0.000 χ^2/NDF:1036879827435.3/47

Out: 0.281+/-0.000 χ^2/NDF:1145331679527.1/54

All: 0.265+/-0.000 χ^2/NDF: 2182927159831.

yield_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 1289101.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1338353.8/29

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

Left: 0.006+/-0.000 χ^2/NDF: 1630235.5/47

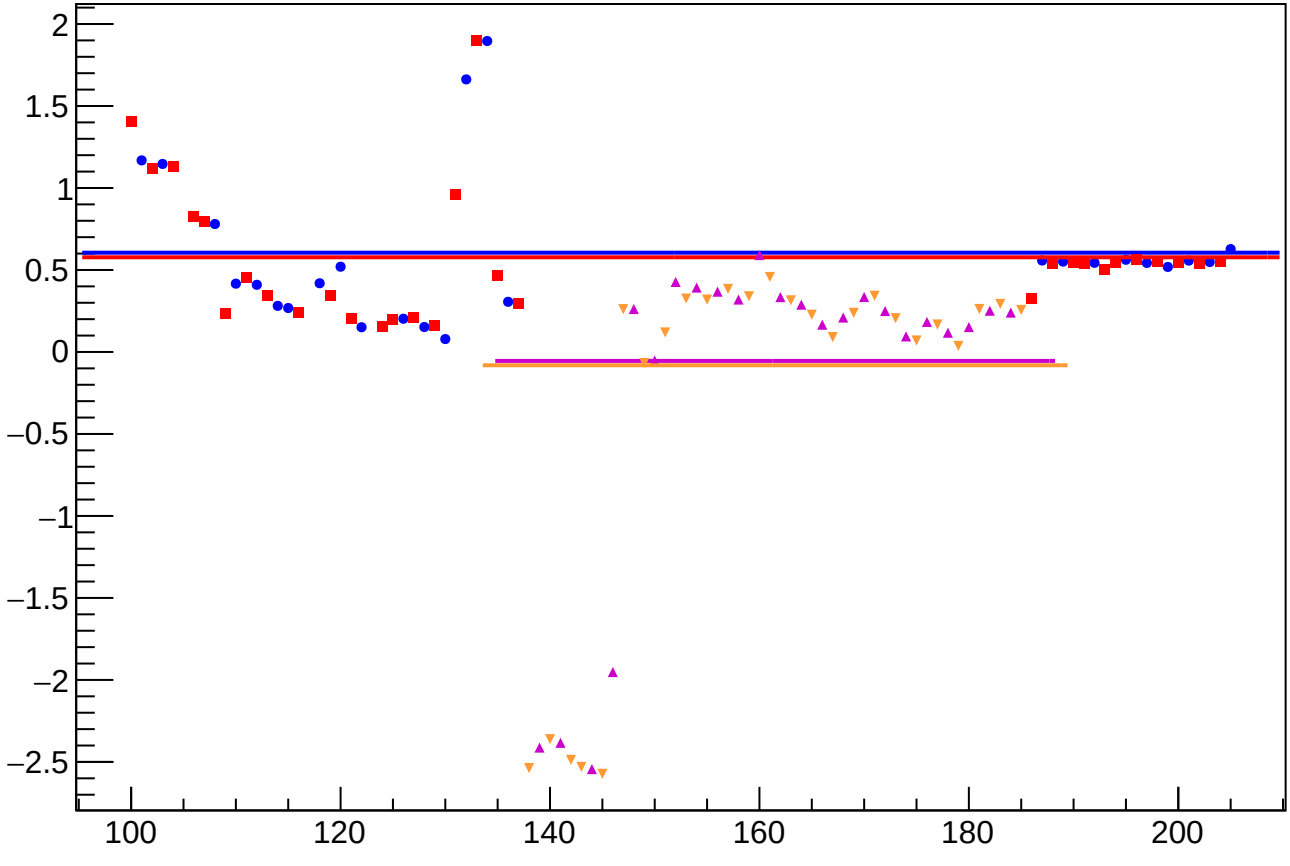
Right: 0.004+/-0.000 χ^2/NDF: 2629043.4/54

In: 0.005+/-0.000 χ^2/NDF:4372682.5/47

Out: 0.005+/-0.000 χ^2/NDF:4754524.9/54

All: 0.005+/-0.000 χ^2/NDF: 9131331.0/102

yield_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.606+/-0.000 χ^2/NDF: 43711447635.5/24

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.577+/-0.000 χ^2/NDF: 43713004634.3/29

Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

Left: -0.068+/-0.000 χ^2/NDF: 735579885262.1/47

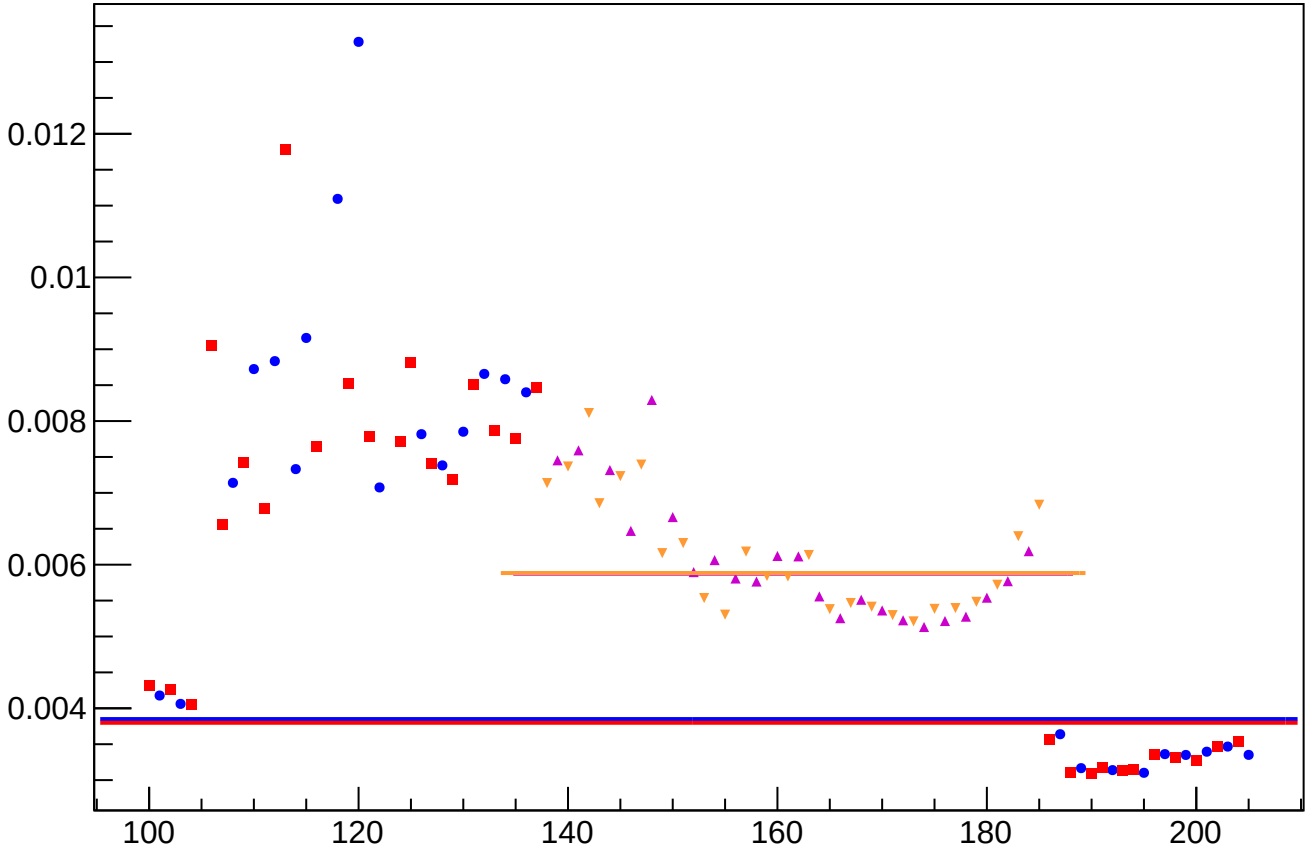
Right: 0.590+/-0.000 χ^2/NDF: 87744125635.2/54

In: 0.347+/-0.000 χ^2/NDF:519380298317.8/47

Out: 0.336+/-0.000 χ^2/NDF:571252558457.2/54

All: 0.341+/-0.000 χ^2/NDF: 1090716368439.

yield_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 3428257.0/24

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

Right Out: 0.004+/-0.000 χ^2/NDF: 3406180.6/29

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

Left: 0.006+/-0.000 χ^2/NDF: 979706.0/47

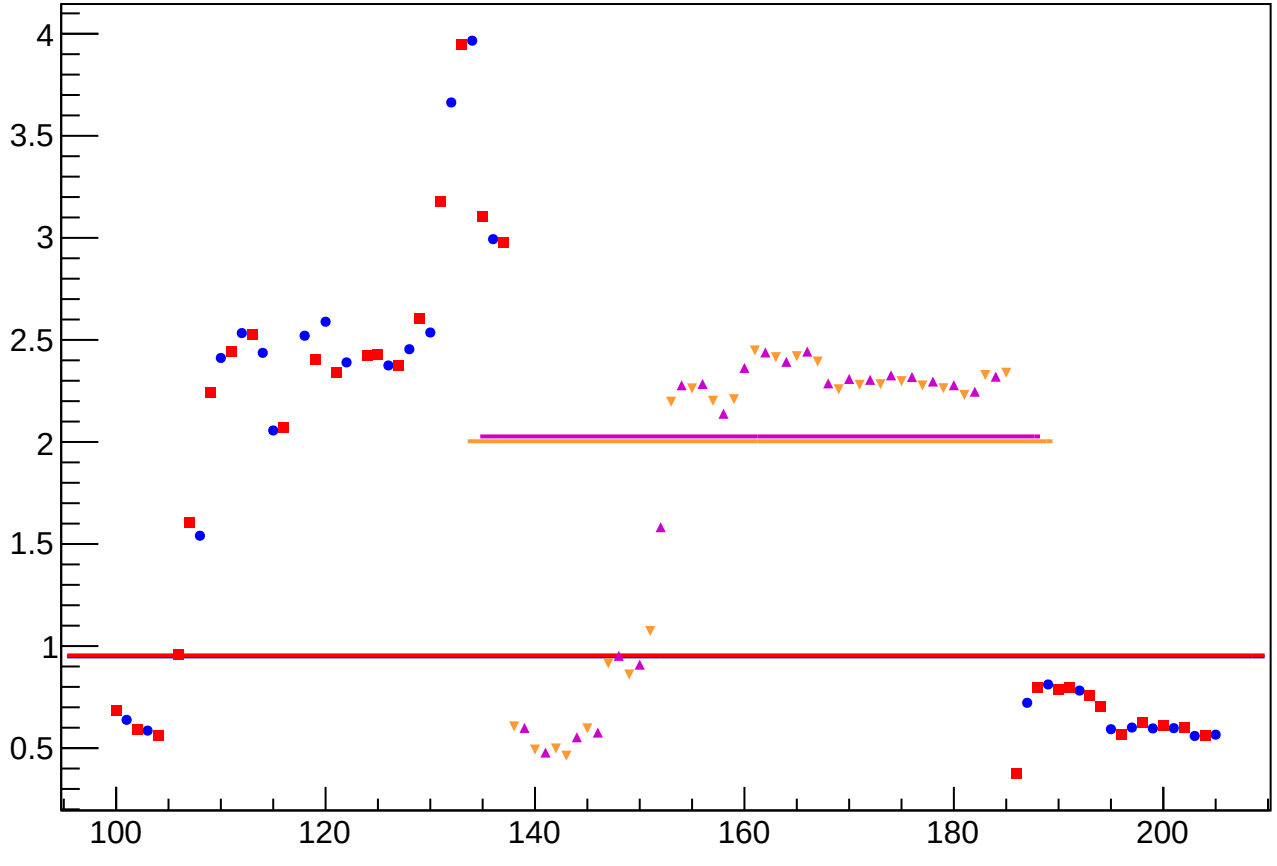
Right: 0.004+/-0.000 χ^2/NDF: 6836577.1/54

In: 0.005+/-0.000 χ^2/NDF:6370055.8/47

Out: 0.005+/-0.000 χ^2/NDF:6654143.8/54

All: 0.005+/-0.000 χ^2/NDF: 13032380.3/102

yield_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 0.950+/-0.000 χ^2/NDF: 232478845167.0/24

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.954+/-0.000 χ^2/NDF: 262297240402.1/29

Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

Left: 2.015+/-0.000 χ^2/NDF: 413784920453.7/47

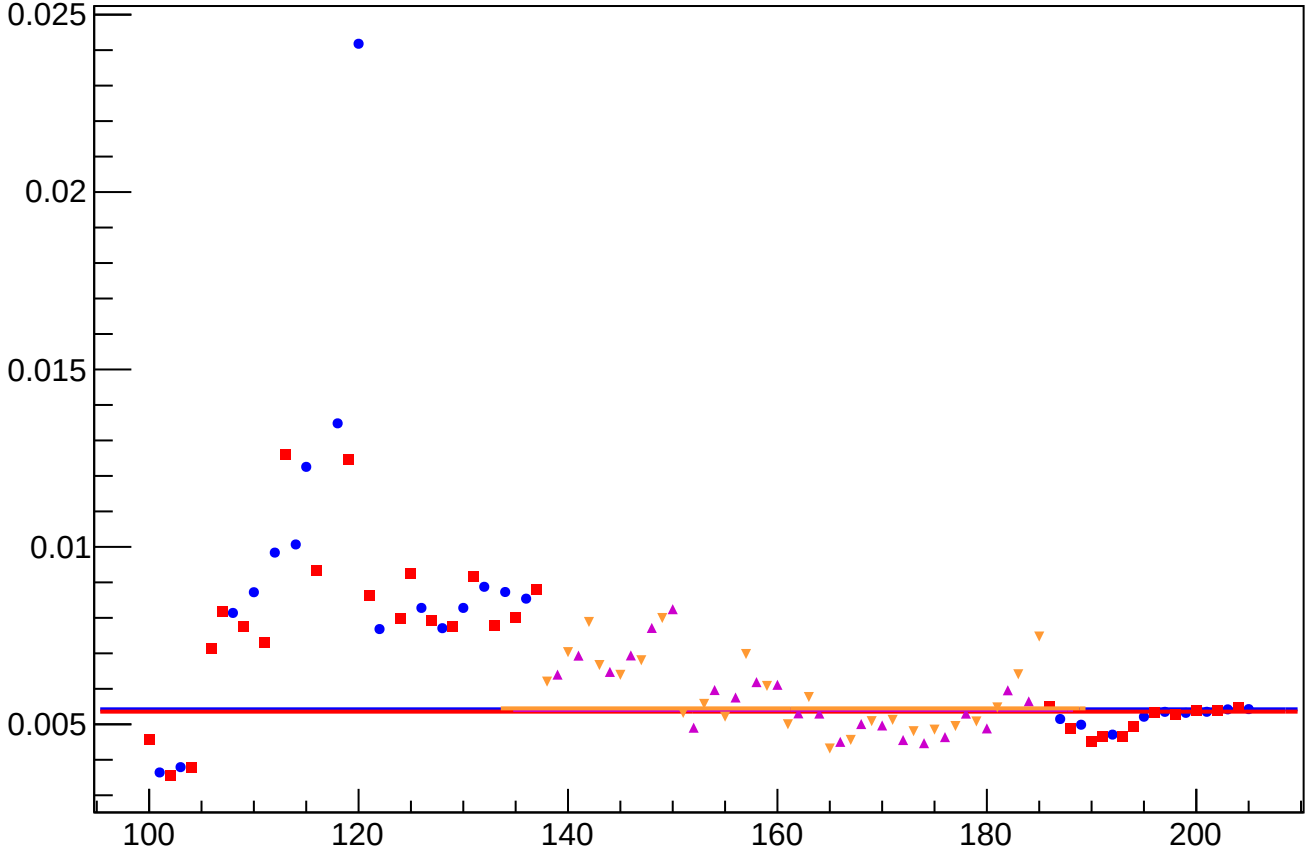
Right: 0.952+/-0.000 χ^2/NDF: 494780817565.5/54

In: 1.568+/-0.000 χ^2/NDF:689589130678.0/47

Out: 1.529+/-0.000 χ^2/NDF:756277102161.5/54

All: 1.548+/-0.000 χ^2/NDF: 1446631233718.

yield_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 2307213.1/24

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2125461.5/29

Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

Left: 0.005+/-0.000 χ^2/NDF: 1587605.4/47

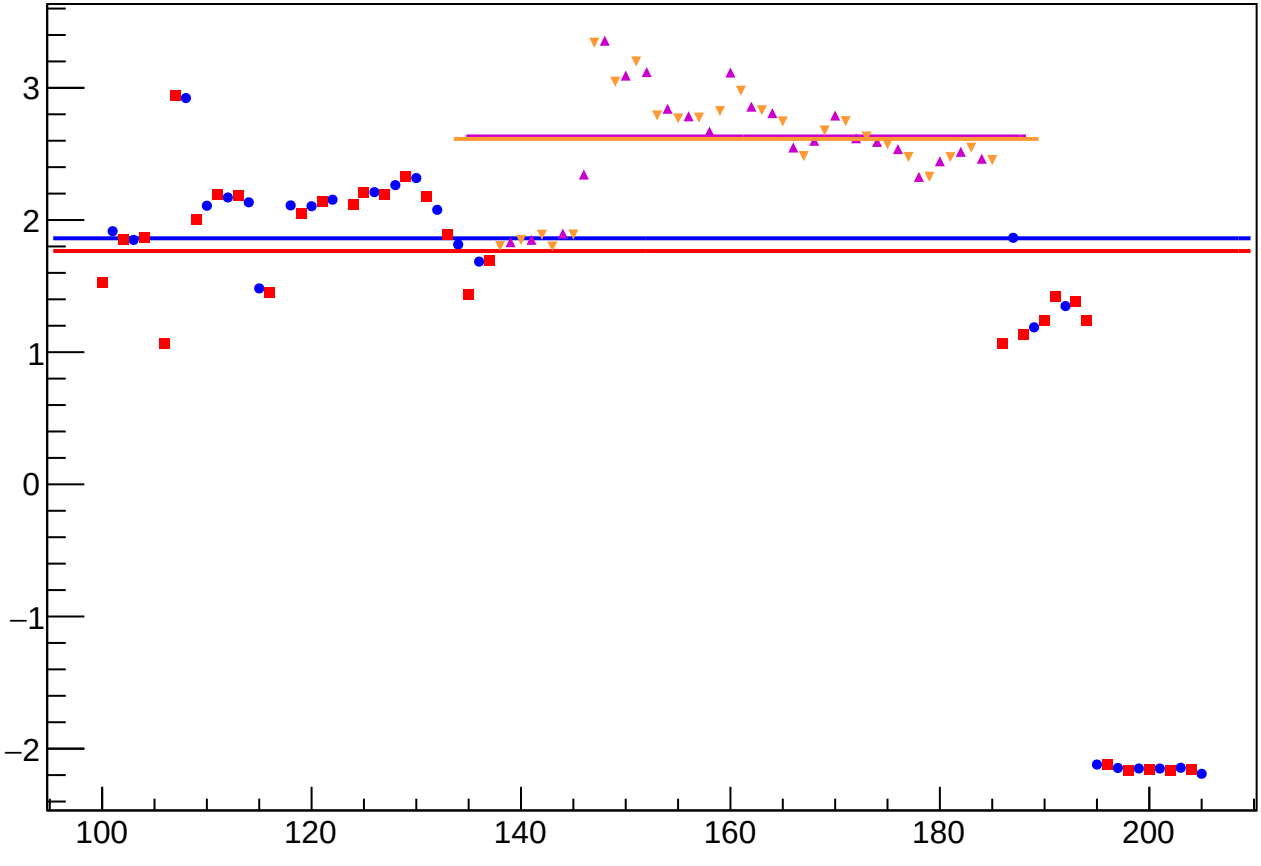
Right: 0.005+/-0.000 χ^2/NDF: 4434480.3/54

In: 0.005+/-0.000 χ^2/NDF:3122485.4/47

Out: 0.005+/-0.000 χ^2/NDF:2901114.9/54

All: 0.005+/-0.000 χ^2/NDF: 6023624.3/102

yield_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 1.862+/-0.000 χ^2/NDF: 133647822969.9/24

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.766+/-0.000 χ^2/NDF: 123250017137.3/29

Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

Left: 2.623+/-0.000 χ^2/NDF: 87009327498.9/47

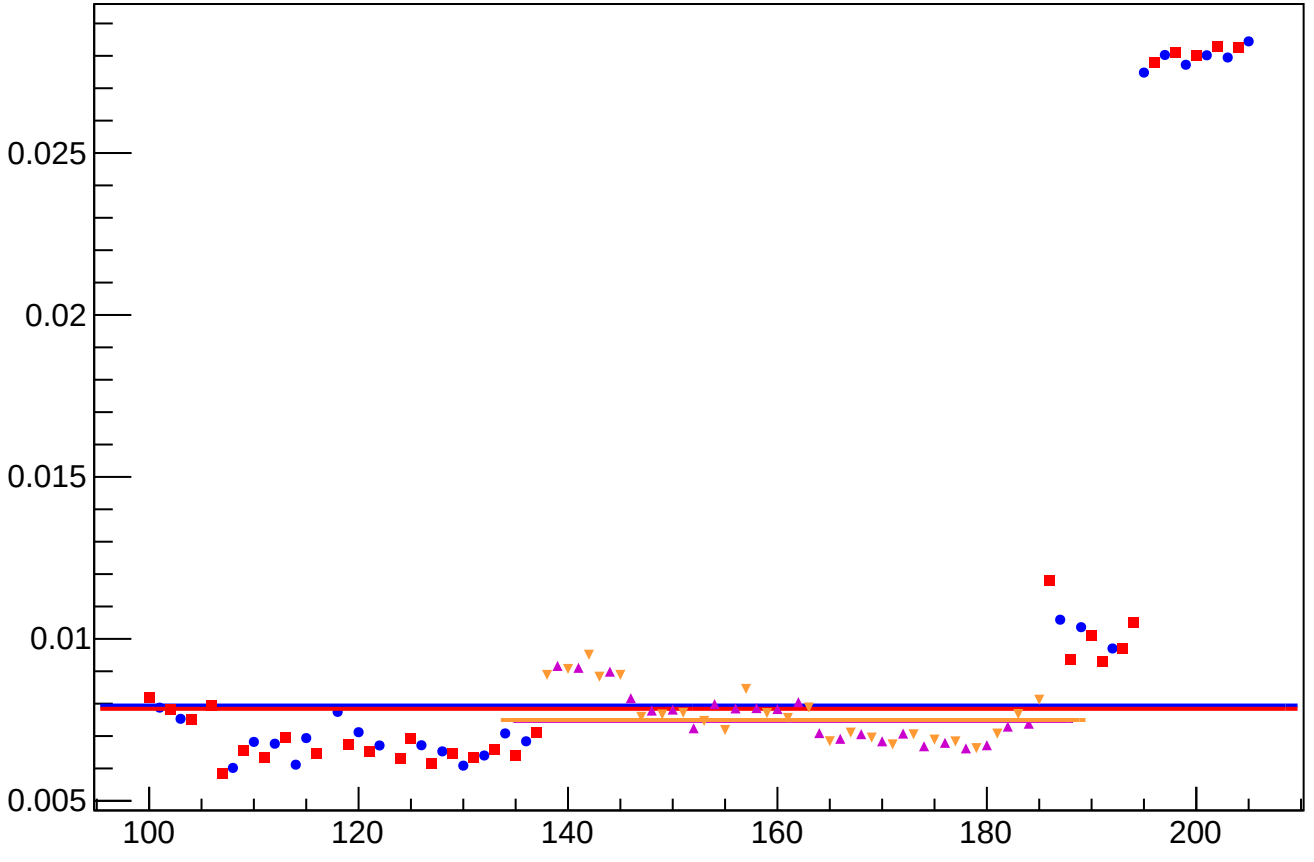
Right: 1.810+/-0.000 χ^2/NDF: 257744845873.4/54

In: 2.360+/-0.000 χ^2/NDF:239381262517.8/47

Out: 2.290+/-0.000 χ^2/NDF:258346925924.4/54

All: 2.323+/-0.000 χ^2/NDF: 498952728976.5

yield_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 5895063.3/24

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 5320564.8/29

Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

Left: 0.007+/-0.000 χ^2/NDF: 654825.5/47

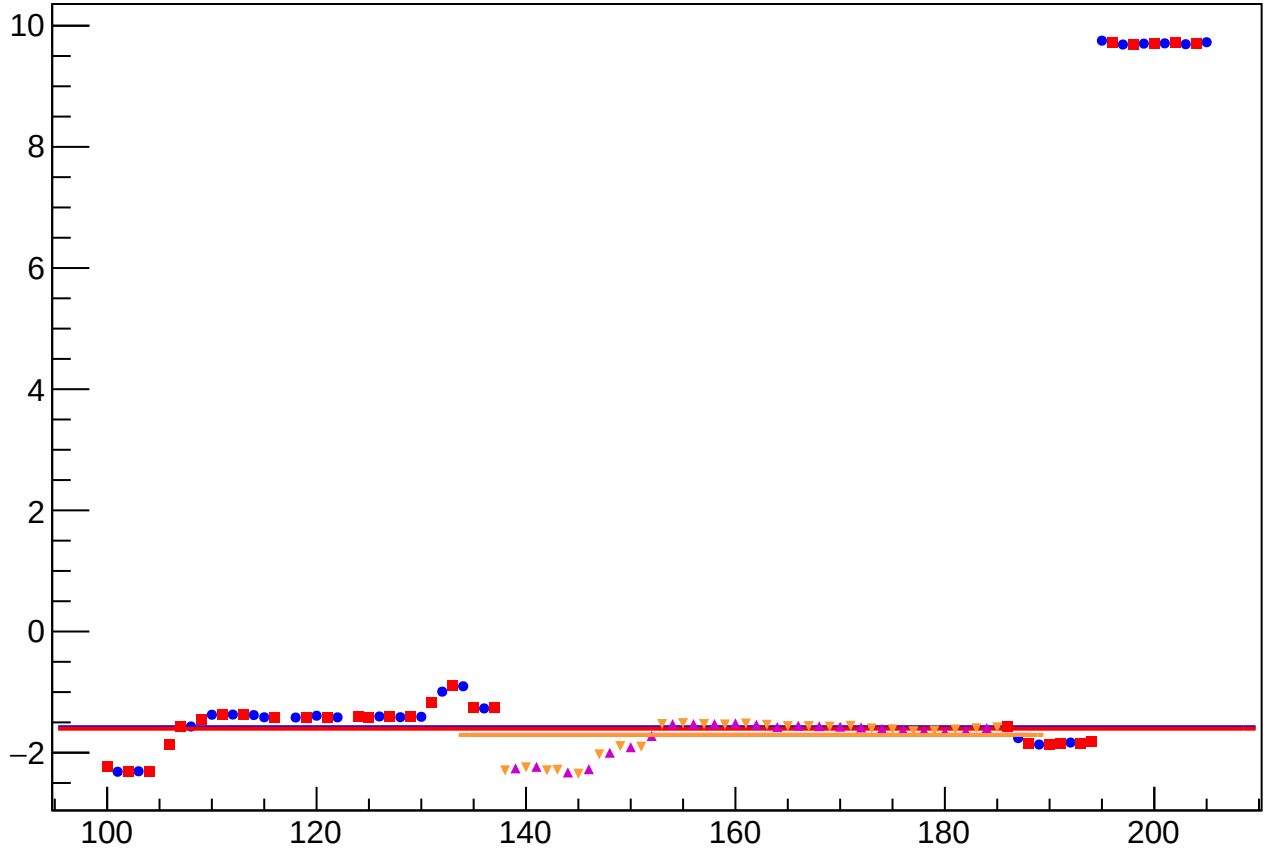
Right: 0.008+/-0.000 χ^2/NDF: 11217488.3/54

In: 0.008+/-0.000 χ^2/NDF:6266419.7/47

Out: 0.008+/-0.000 χ^2/NDF:5682846.2/54

All: 0.008+/-0.000 χ^2/NDF: 11949298.8/102

yield_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -1.580+/-0.000 χ^2/NDF: 361156280825.9/24

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.604+/-0.000 χ^2/NDF: 340710755637.3/29

Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

Left: -1.707+/-0.000 χ^2/NDF: 288391574261.0/47

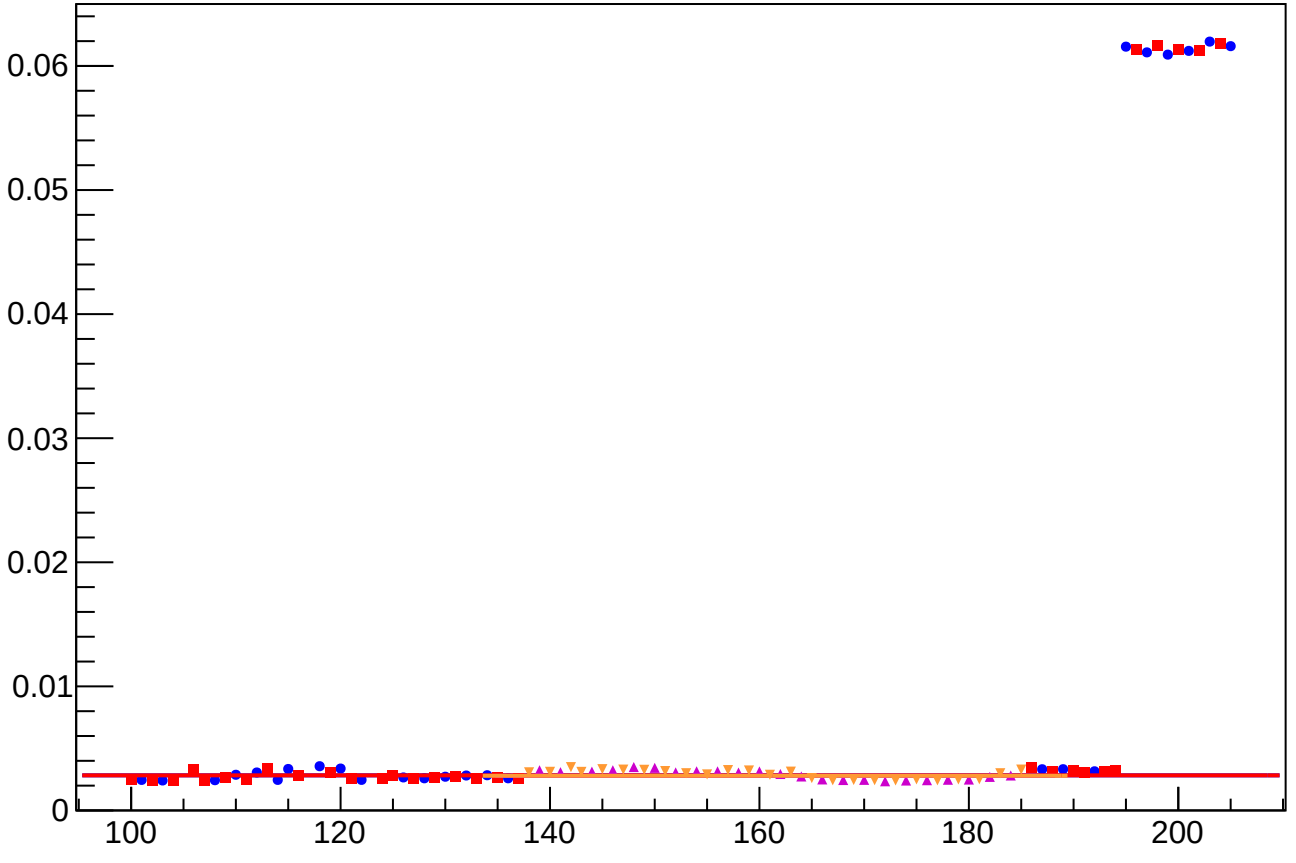
Right: -1.593+/-0.000 χ^2/NDF: 702216407020.4/54

In: -1.664+/-0.000 χ^2/NDF:509197752652.2/47

Out: -1.670+/-0.000 χ^2/NDF:501563783560.2/54

All: -1.667+/-0.000 χ^2/NDF: 1010820661732

yield_bpm0l06Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 9659753.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 8107172.4/29

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

Left: 0.003+/-0.000 χ^2/NDF: 1105212.9/47

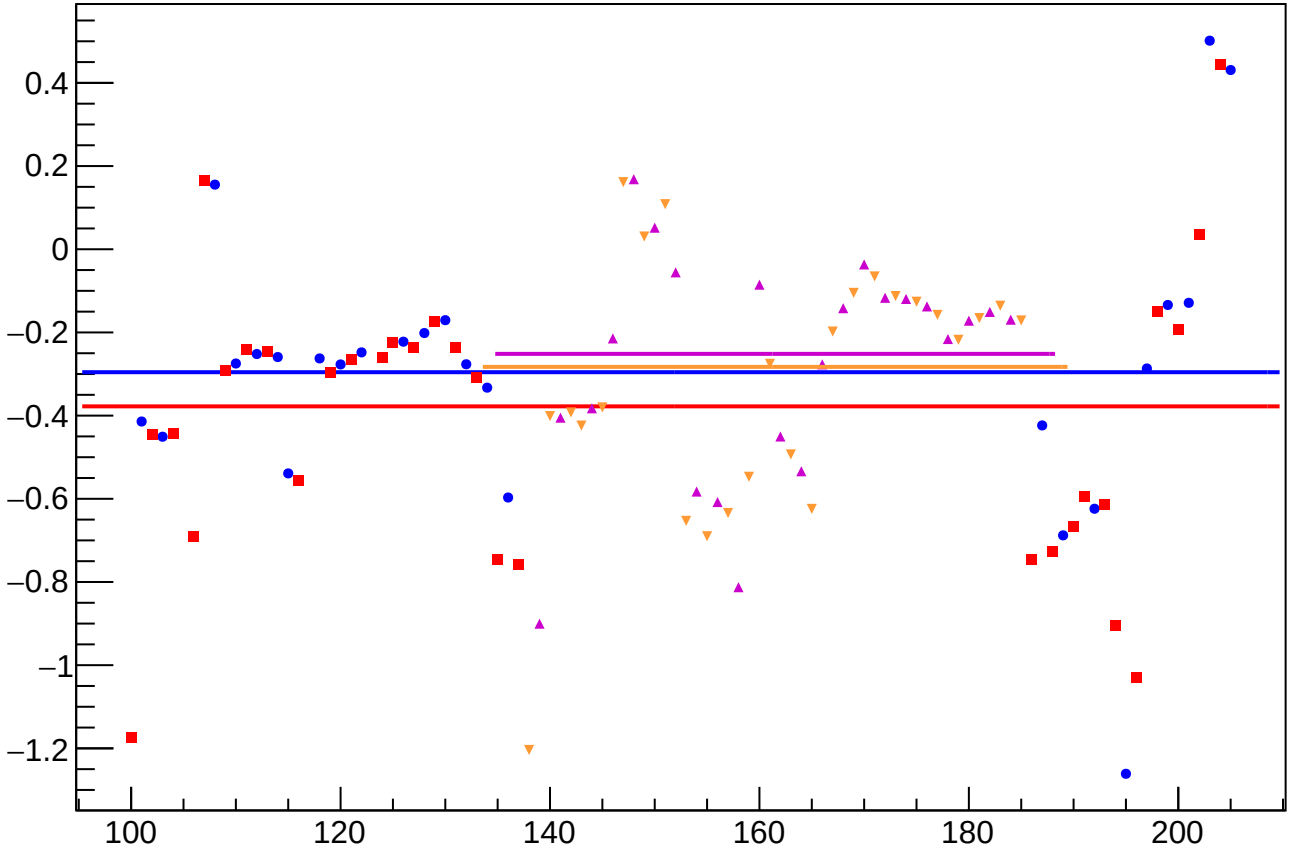
Right: 0.003+/-0.000 χ^2/NDF: 17766925.4/54

In: 0.003+/-0.000 χ^2/NDF:10219908.6/47

Out: 0.003+/-0.000 χ^2/NDF:8656762.6/54

All: 0.003+/-0.000 χ^2/NDF: 18876969.4/102

yield_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -0.296+/-0.000 χ^2/NDF: 7486207893.0/24

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.378+/-0.000 χ^2/NDF: 7556293828.9/29

Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

Left: -0.267+/-0.000 χ^2/NDF: 16567222880.0/47

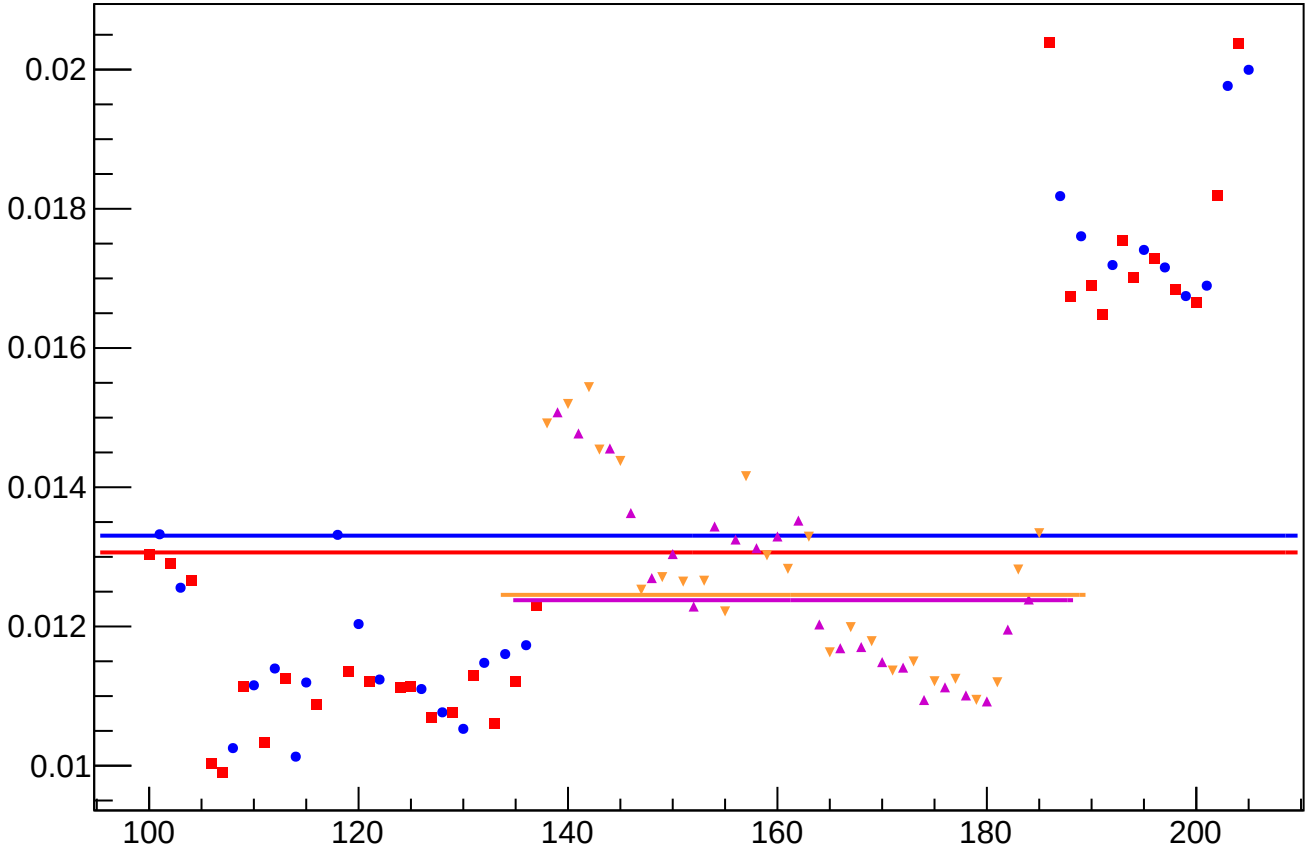
Right: -0.339+/-0.000 χ^2/NDF: 15306046953.3/54

In: -0.269+/-0.000 χ^2/NDF:14739958327.0/47

Out: -0.322+/-0.000 χ^2/NDF:17340395269.0/54

All: -0.297+/-0.000 χ^2/NDF: 32356018316.3/

yield_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 1289790.8/24

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1545438.5/29

Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

Left: 0.012+/-0.000 χ^2/NDF: 669035.7/47

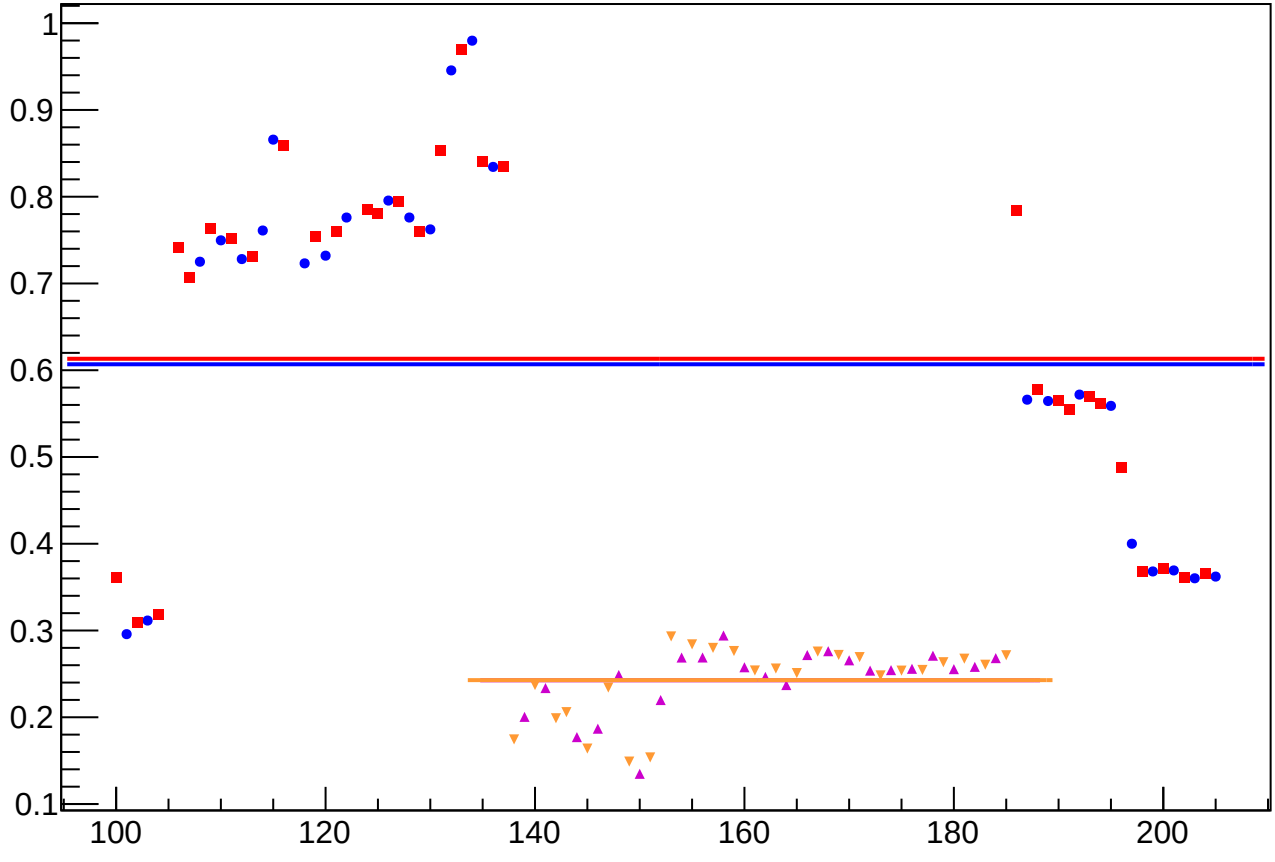
Right: 0.013+/-0.000 χ^2/NDF: 2839772.6/54

In: 0.013+/-0.000 χ^2/NDF:1693164.1/47

Out: 0.013+/-0.000 χ^2/NDF:1923184.7/54

All: 0.013+/-0.000 χ^2/NDF: 3616585.2/102

yield_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: 0.607+/-0.000 χ^2/NDF: 85164211264.4/24

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.613+/-0.000 χ^2/NDF: 80210709038.3/29

Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

Left: 0.243+/-0.000 χ^2/NDF: 13071863849.3/47

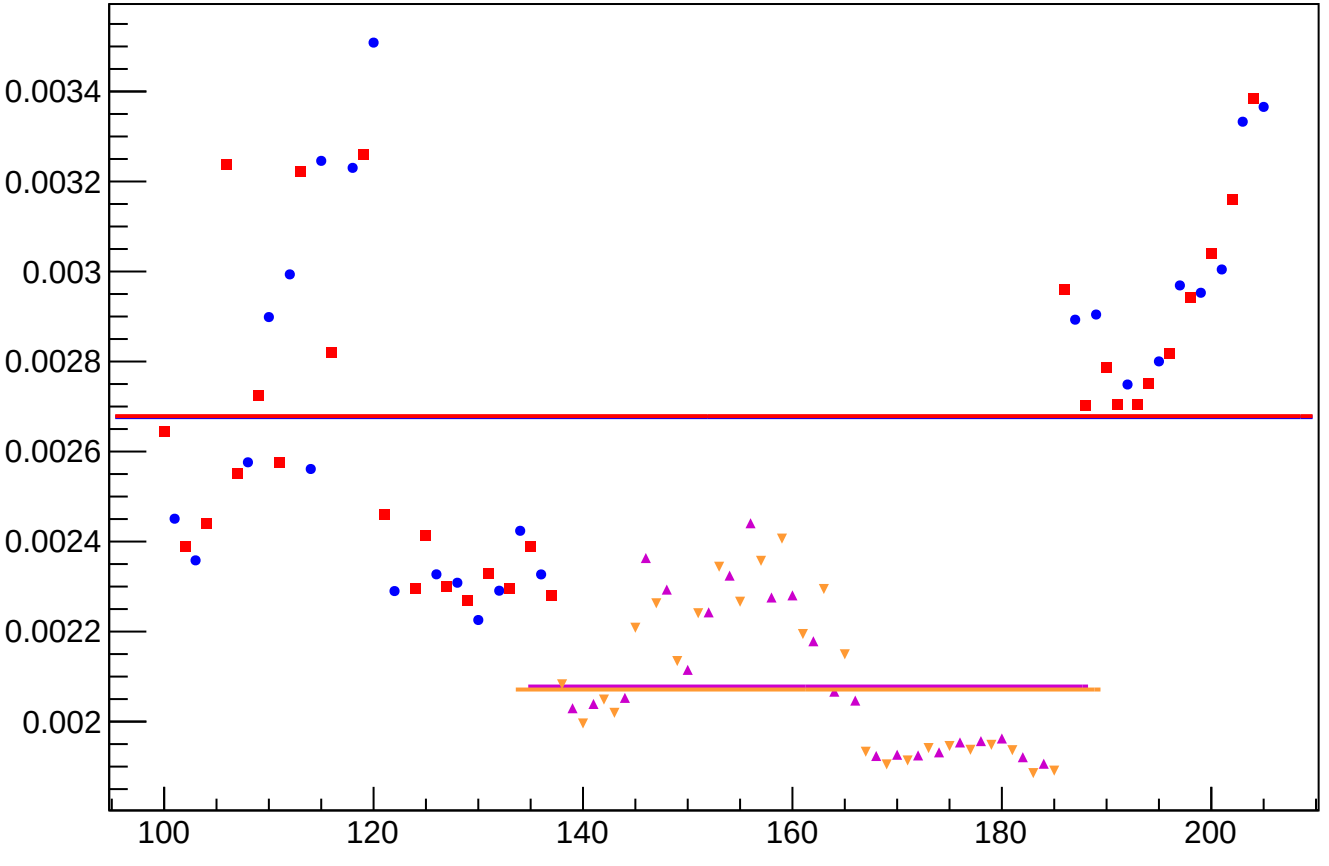
Right: 0.610+/-0.000 χ^2/NDF: 165414289424.0/54

In: 0.355+/-0.000 χ^2/NDF:262132239580.9/47

Out: 0.360+/-0.000 χ^2/NDF:279909857358.4/54

All: 0.357+/-0.000 χ^2/NDF: 542114309881.0

yield_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 500212.6/24

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 412410.5/29

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

Left: 0.002+/-0.000 χ^2/NDF: 445534.4/47

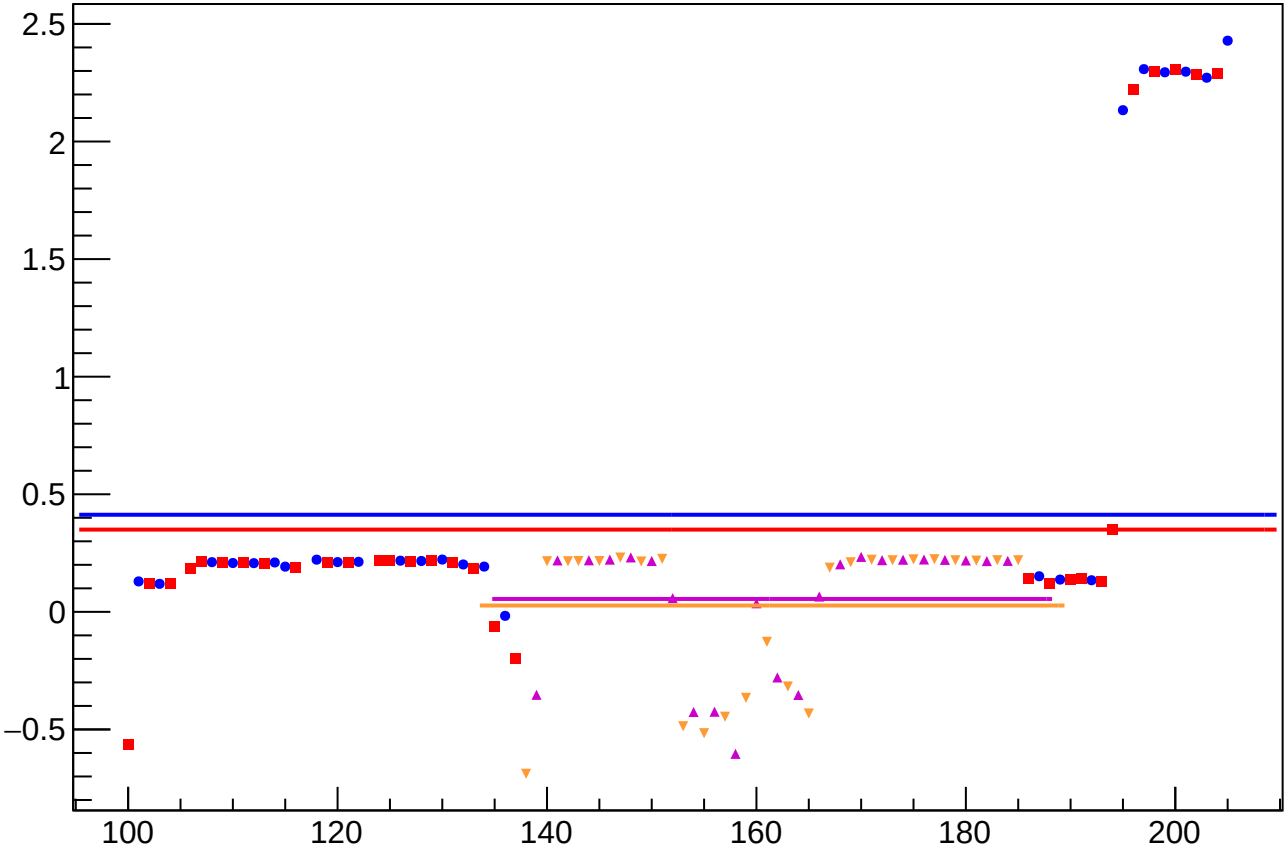
Right: 0.003+/-0.000 χ^2/NDF: 912632.5/54

In: 0.002+/-0.000 χ^2/NDF:1636269.2/47

Out: 0.002+/-0.000 χ^2/NDF:1681128.9/54

All: 0.002+/-0.000 χ^2/NDF: 3317399.5/102

yield_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 0.413+/-0.000 χ^2/NDF: 40097553390.8/24

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.350+/-0.000 χ^2/NDF: 36593747024.1/29

Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

Left: 0.041+/-0.000 χ^2/NDF: 22733670617.6/47

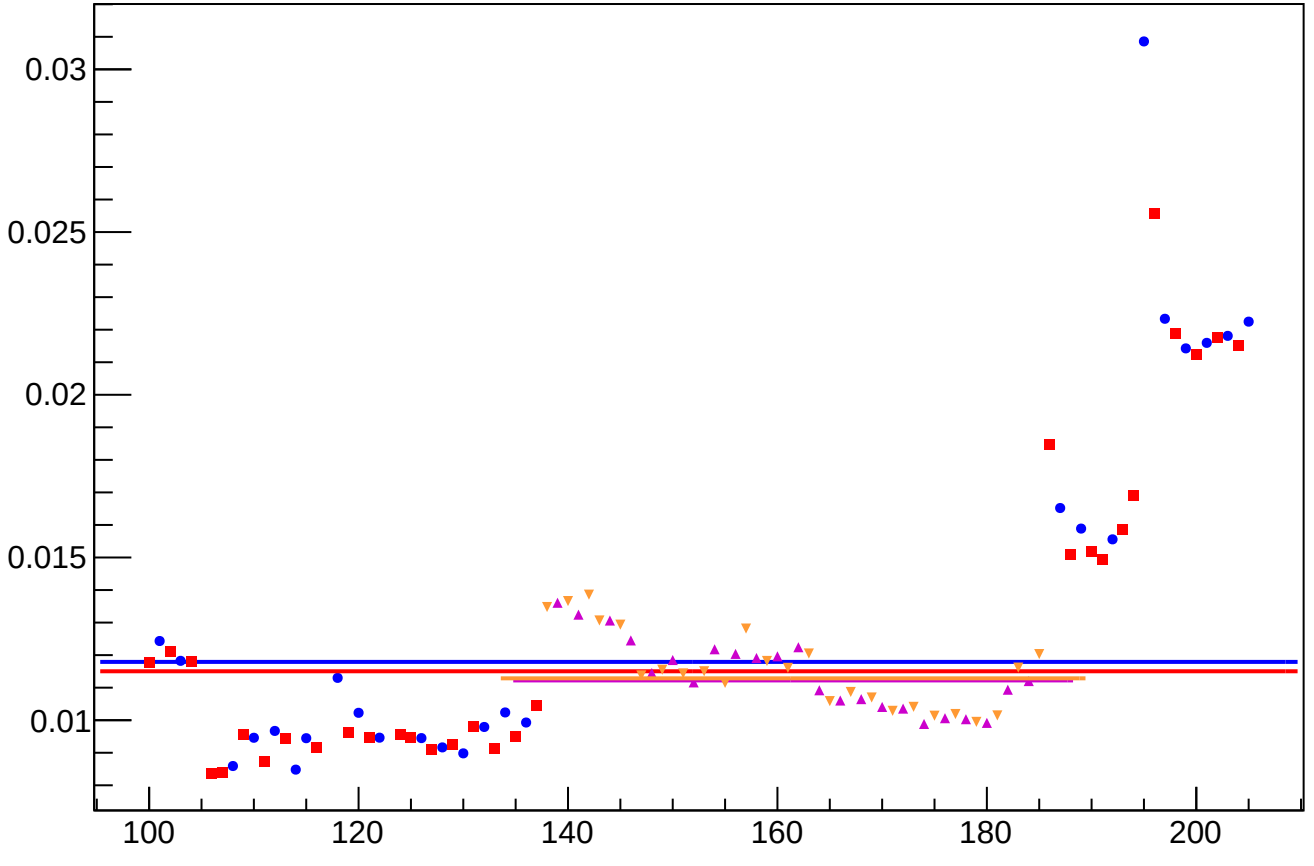
Right: 0.379+/-0.000 χ^2/NDF: 76877416152.1/54

In: 0.193+/-0.000 χ^2/NDF:56620914731.4/47

Out: 0.161+/-0.000 χ^2/NDF:55755716425.0/54

All: 0.176+/-0.000 χ^2/NDF: 112501812430.1

yield_bpm0l08X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 3352048.4/24

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3298151.5/29

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

Left: 0.011+/-0.000 χ^2/NDF: 644069.7/47

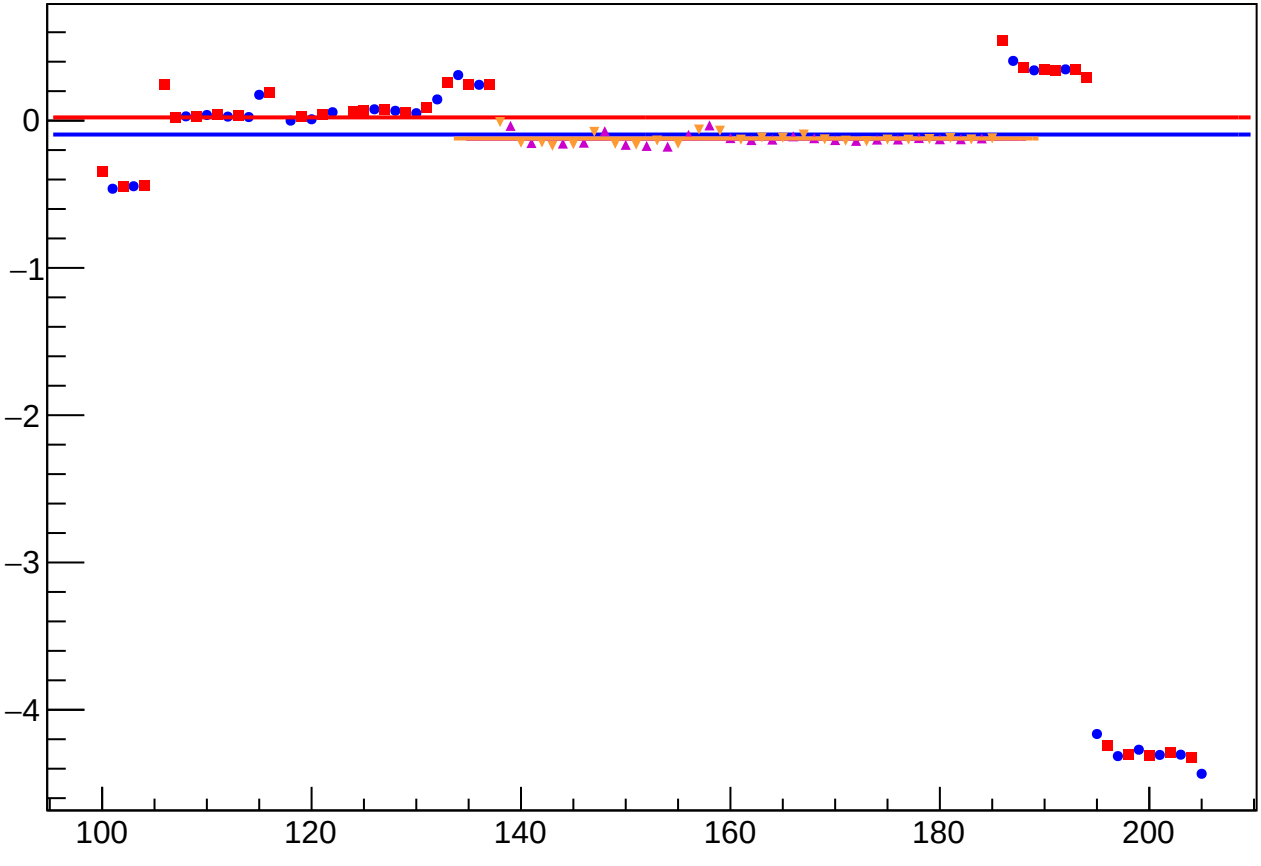
Right: 0.012+/-0.000 χ^2/NDF: 6657966.5/54

In: 0.011+/-0.000 χ^2/NDF:3701742.9/47

Out: 0.011+/-0.000 χ^2/NDF:3631980.7/54

All: 0.011+/-0.000 χ^2/NDF: 7334752.6/102

yield_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -0.095+/-0.000 χ^2/NDF: 300296773613.4/24

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 286149153956.7/29

Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

Left: -0.123+/-0.000 χ^2/NDF: 5736373212.1/47

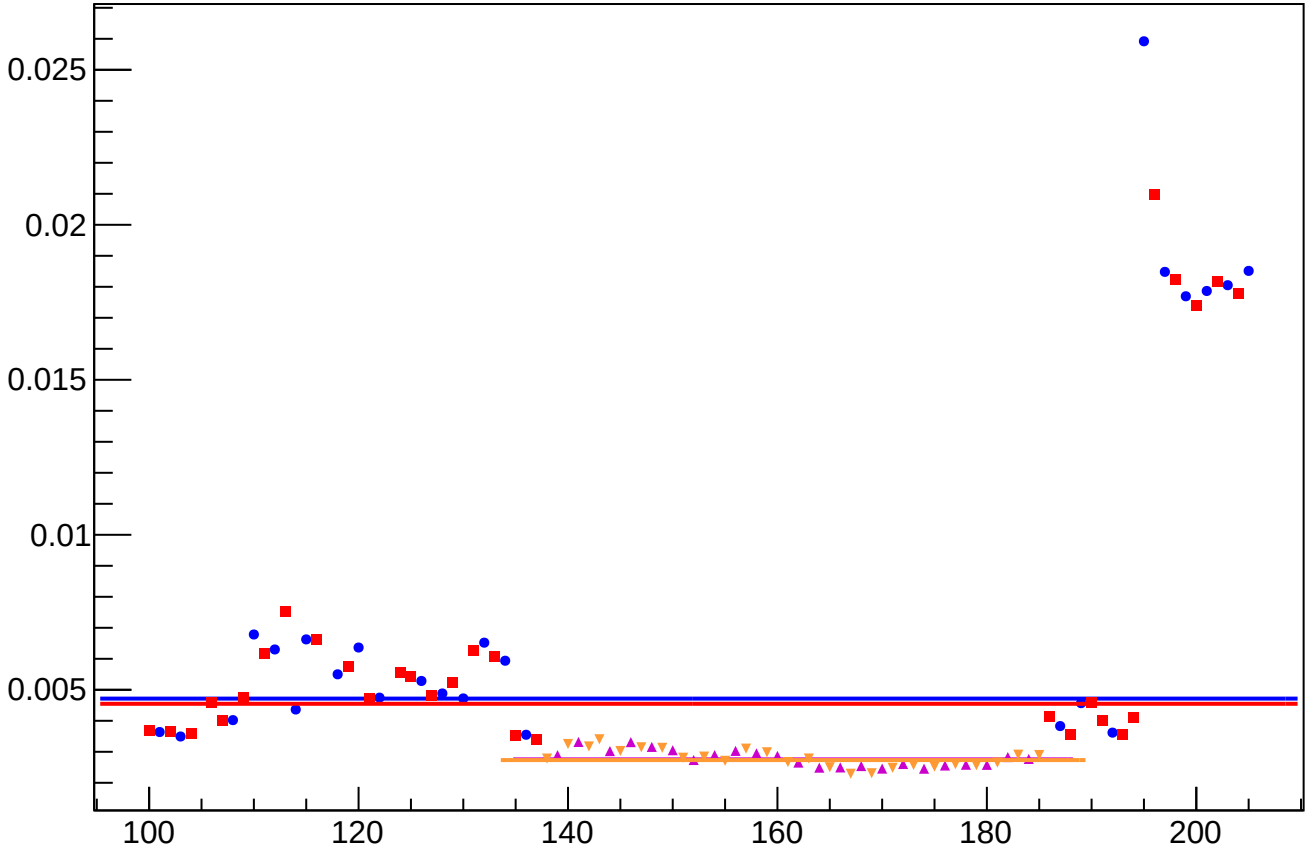
Right: -0.030+/-0.000 χ^2/NDF: 589758116058.0/54

In: -0.119+/-0.000 χ^2/NDF:303418147597.0/47

Out: -0.095+/-0.000 χ^2/NDF:298336583227.5/54

All: -0.107+/-0.000 χ^2/NDF: 602542835412.4

yield_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 6766480.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5823081.8/29

Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

Left: 0.003+/-0.000 χ^2/NDF: 686267.5/47

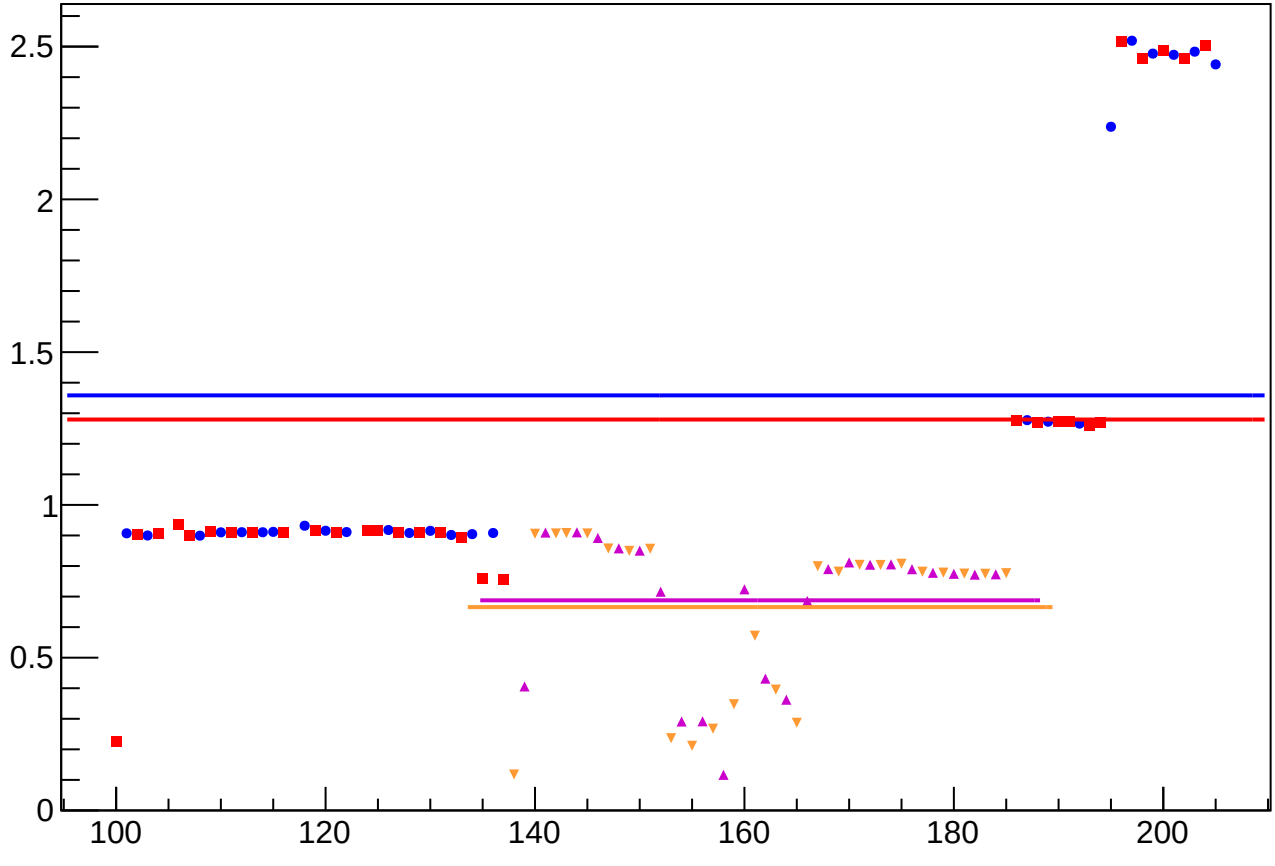
Right: 0.005+/-0.000 χ^2/NDF: 12603282.3/54

In: 0.003+/-0.000 χ^2/NDF:9896947.3/47

Out: 0.003+/-0.000 χ^2/NDF:9182042.5/54

All: 0.003+/-0.000 χ^2/NDF: 19079150.9/102

yield_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 1.358+/-0.000 χ^2/NDF: 40488031055.1/24

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.279+/-0.000 χ^2/NDF: 39831564052.2/29

Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

Left: 0.676+/-0.000 χ^2/NDF: 16249398180.7/47

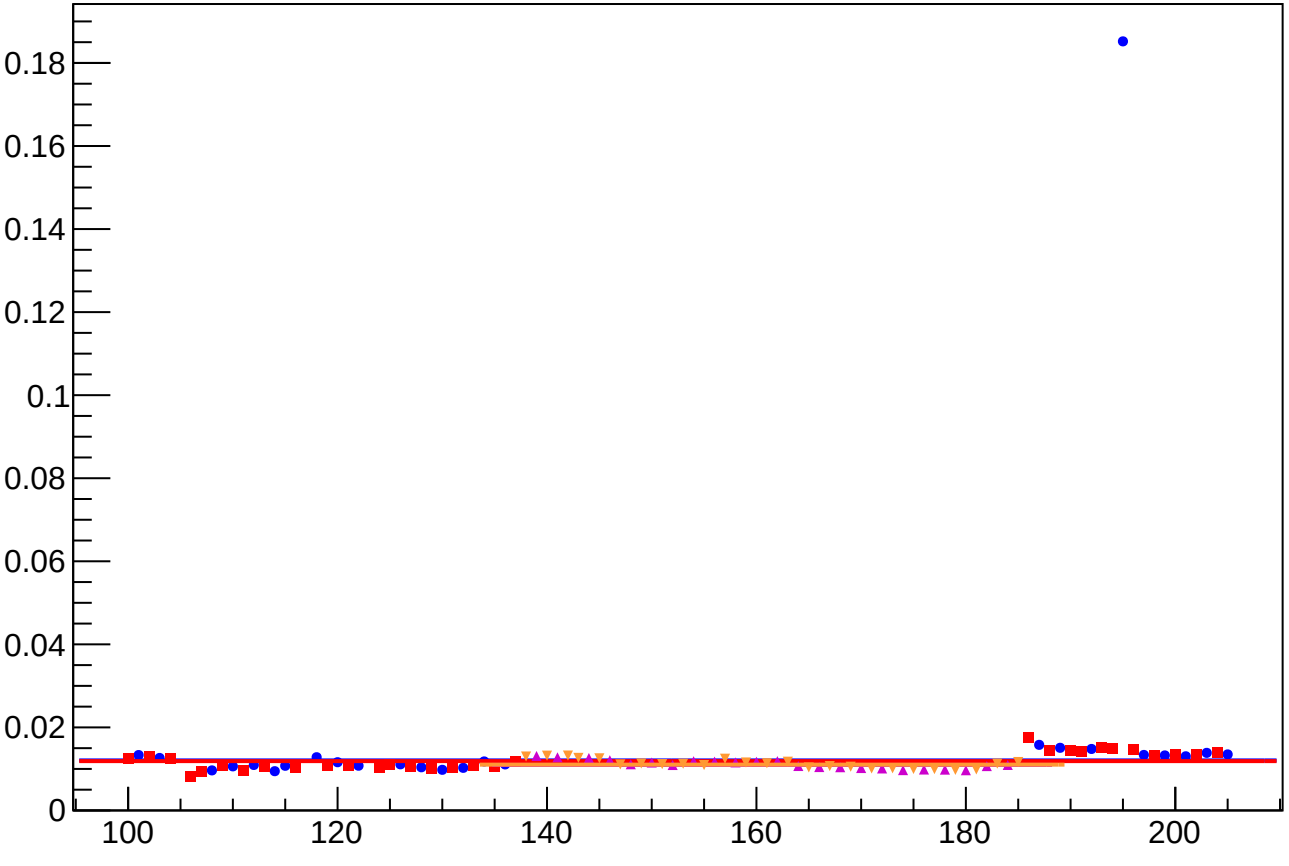
Right: 1.316+/-0.000 χ^2/NDF: 80609046680.9/54

In: 0.939+/-0.000 χ^2/NDF:71941069907.9/47

Out: 0.909+/-0.000 χ^2/NDF:71700676509.4/54

All: 0.924+/-0.000 χ^2/NDF: 143747766944.8

yield_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 0.012+/-0.000 χ^2/NDF: 1995926.5/24

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 779108.2/29

Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

Left: 0.011+/-0.000 χ^2/NDF: 587697.9/47

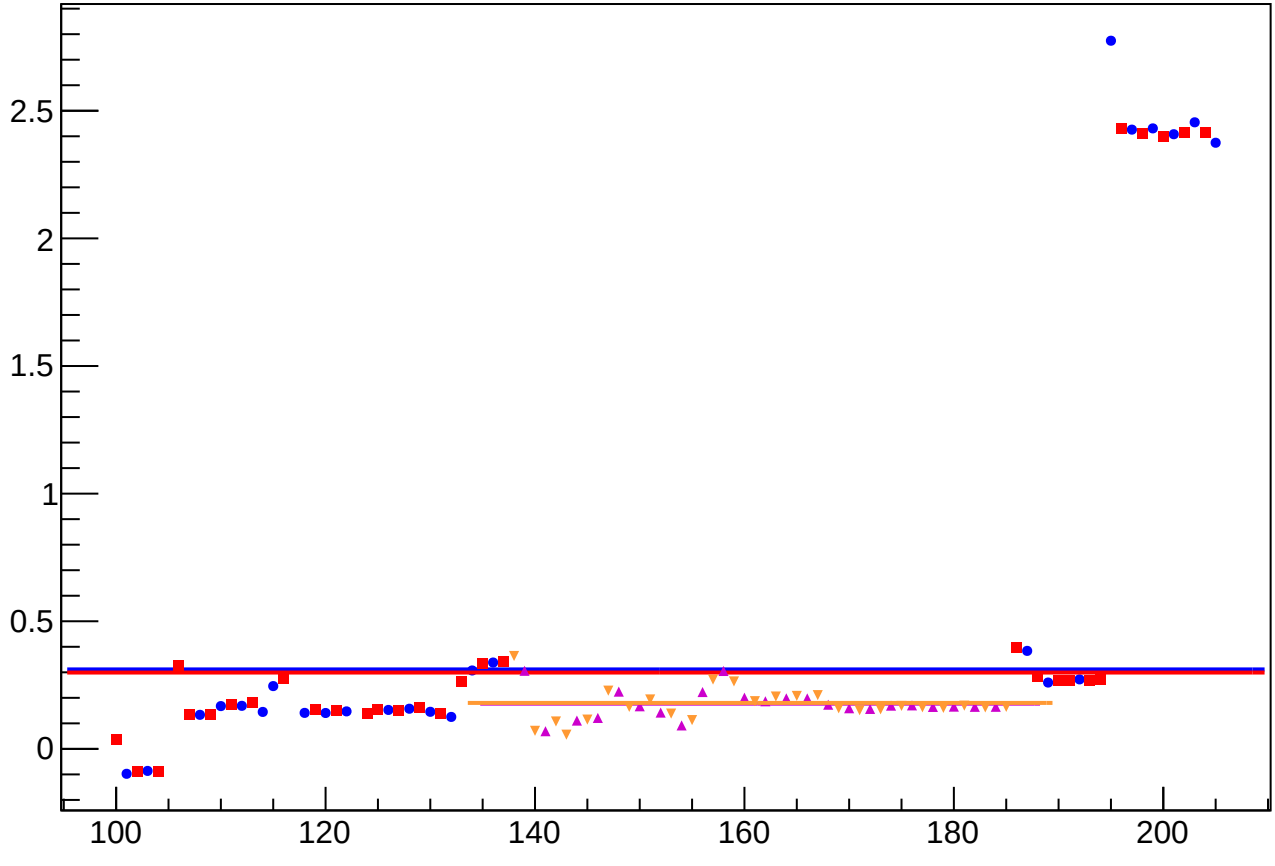
Right: 0.012+/-0.000 χ^2/NDF: 2777707.0/54

In: 0.011+/-0.000 χ^2/NDF:2411422.3/47

Out: 0.011+/-0.000 χ^2/NDF:1165600.7/54

All: 0.011+/-0.000 χ^2/NDF: 3577027.9/102

yield_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: 0.311+/-0.000 χ^2/NDF: 129547418830.1/24

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.299+/-0.000 χ^2/NDF: 112645773453.5/29

Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

Left: 0.179+/-0.000 χ^2/NDF: 11077549854.5/47

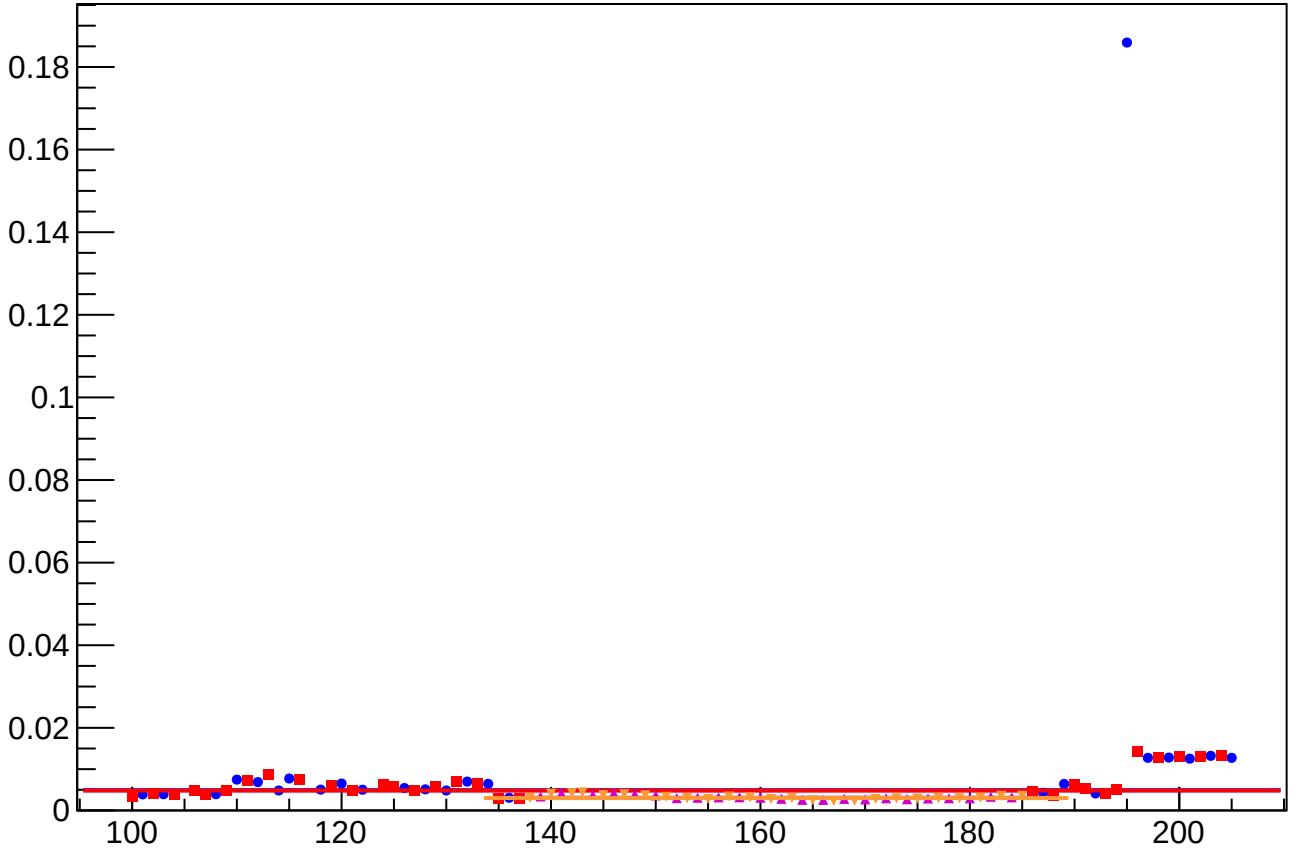
Right: 0.305+/-0.000 χ^2/NDF: 242226402544.4/54

In: 0.202+/-0.000 χ^2/NDF:140128487484.8/47

Out: 0.204+/-0.000 χ^2/NDF:124556613566.9/54

All: 0.203+/-0.000 χ^2/NDF: 264686935569.2

yield_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 0.005+/-0.000 χ^2/NDF: 6055387.7/24

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 4507227.3/29

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

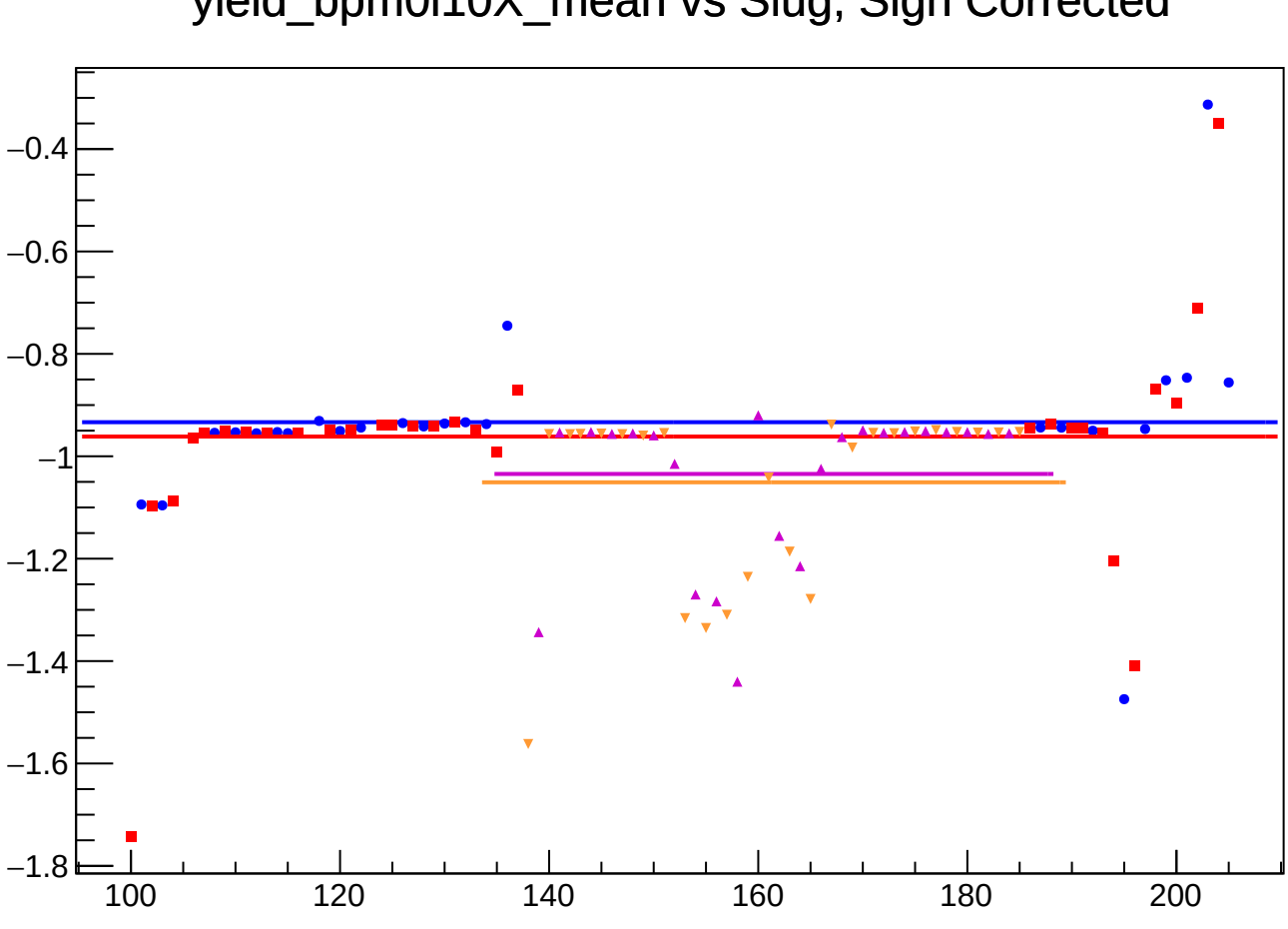
Left: 0.003+/-0.000 χ^2/NDF: 1485282.4/47

Right: 0.005+/-0.000 χ^2/NDF: 10564711.3/54

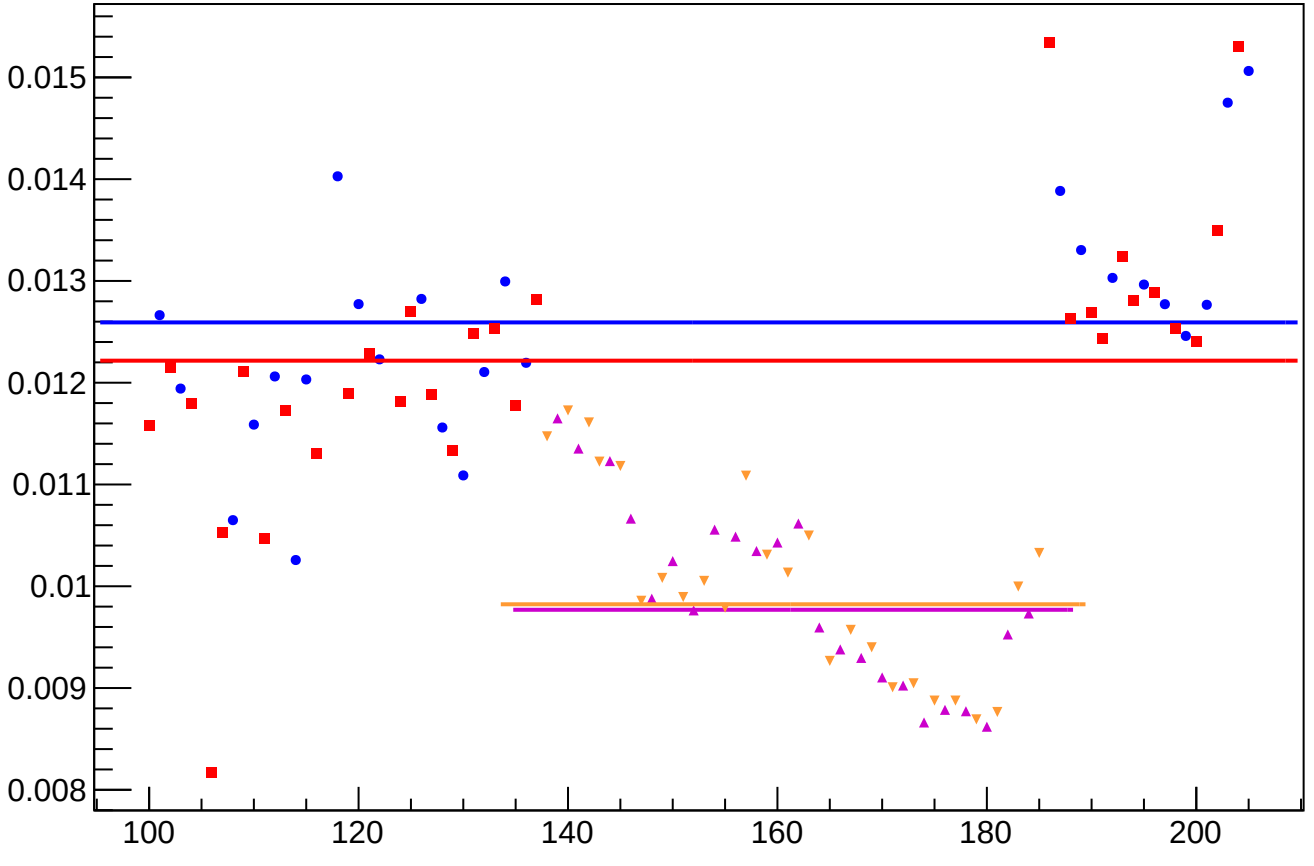
In: 0.003+/-0.000 χ^2/NDF:8843800.1/47

Out: 0.003+/-0.000 χ^2/NDF:7966496.2/54

All: 0.003+/-0.000 χ^2/NDF: 16816662.6/102


yield_bpm0l10X_mean vs Slug, Sign Corrected
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
120
140
160
180
200
Right In: -0.933+/-0.000 χ²/NDF: 3485936960.7/24
Left Out: -1.051+/-0.000 χ²/NDF:5082084184.4/24
Right Out: -0.961+/-0.000 χ²/NDF: 3456231864.1/29
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
Left: -1.043+/-0.000 χ²/NDF: 9032853026.0/47
Right: -0.949+/-0.000 χ²/NDF: 6978216224.3/54
In: -1.003+/-0.000 χ²/NDF:8005900577.0/47
Out: -1.020+/-0.000 χ²/NDF:9061417413.2/54
All: -1.012+/-0.000 χ²/NDF: 17111454718.6/

yield_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 180941.6/24

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 342630.9/29

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

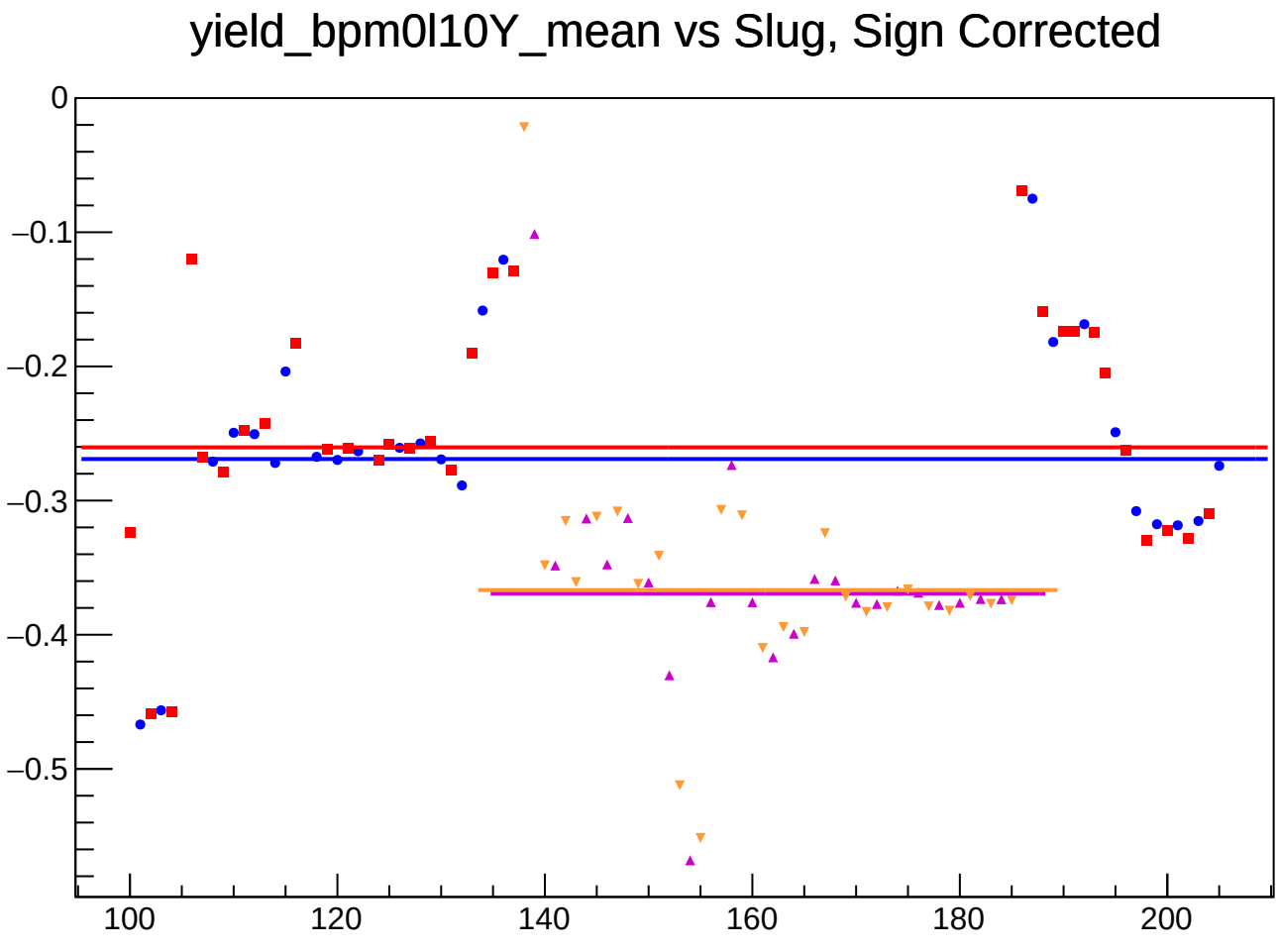
Left: 0.010+/-0.000 χ^2/NDF: 576227.7/47

Right: 0.012+/-0.000 χ^2/NDF: 536528.6/54

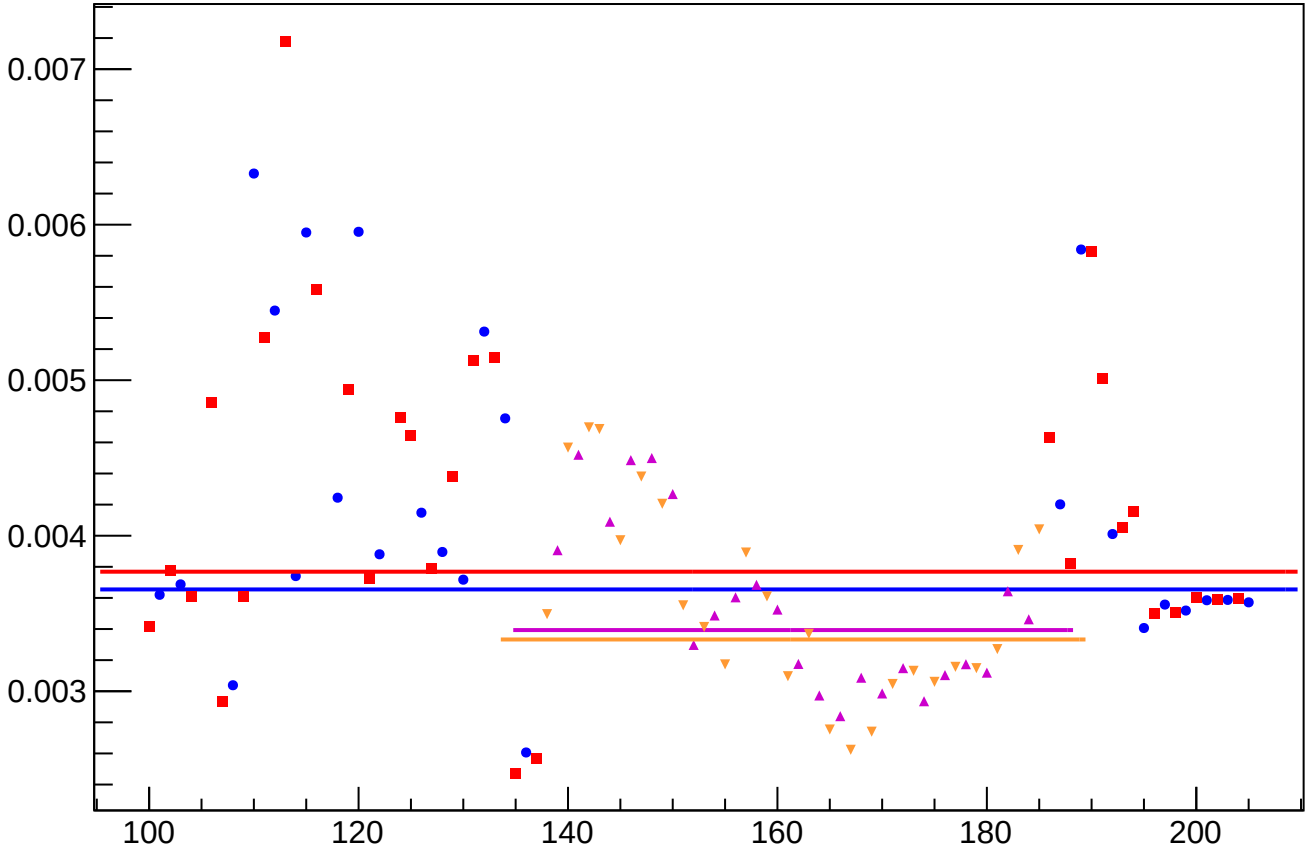
In: 0.011+/-0.000 χ^2/NDF:1389718.0/47

Out: 0.011+/-0.000 χ^2/NDF:1386764.5/54

All: 0.011+/-0.000 χ^2/NDF: 2776610.4/102


yield_bpm0l10Y_mean vs Slug, Sign Corrected
0
−0.1
−0.2
−0.3
−0.4
−0.5
100
120
140
160
180
200
Right In: -0.269+/-0.000 χ²/NDF: 7710395530.2/24
Left Out: -0.367+/-0.000 χ²/NDF:11945266102.2/24
Right Out: -0.260+/-0.000 χ²/NDF: 8183842917.1/29
Left In: -0.369+/-0.000 χ²/NDF:7581323027.3/22
Left: -0.368+/-0.000 χ²/NDF: 19531807890.3/47
Right: -0.265+/-0.000 χ²/NDF: 15929666012.5/54
In: -0.330+/-0.000 χ²/NDF:20946114805.9/47
Out: -0.327+/-0.000 χ²/NDF:26862466455.8/54
All: -0.328+/-0.000 χ²/NDF: 47824191943.6/

yield_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 903842.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1082313.5/29

Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

Left: 0.003+/-0.000 χ^2/NDF: 1496833.9/47

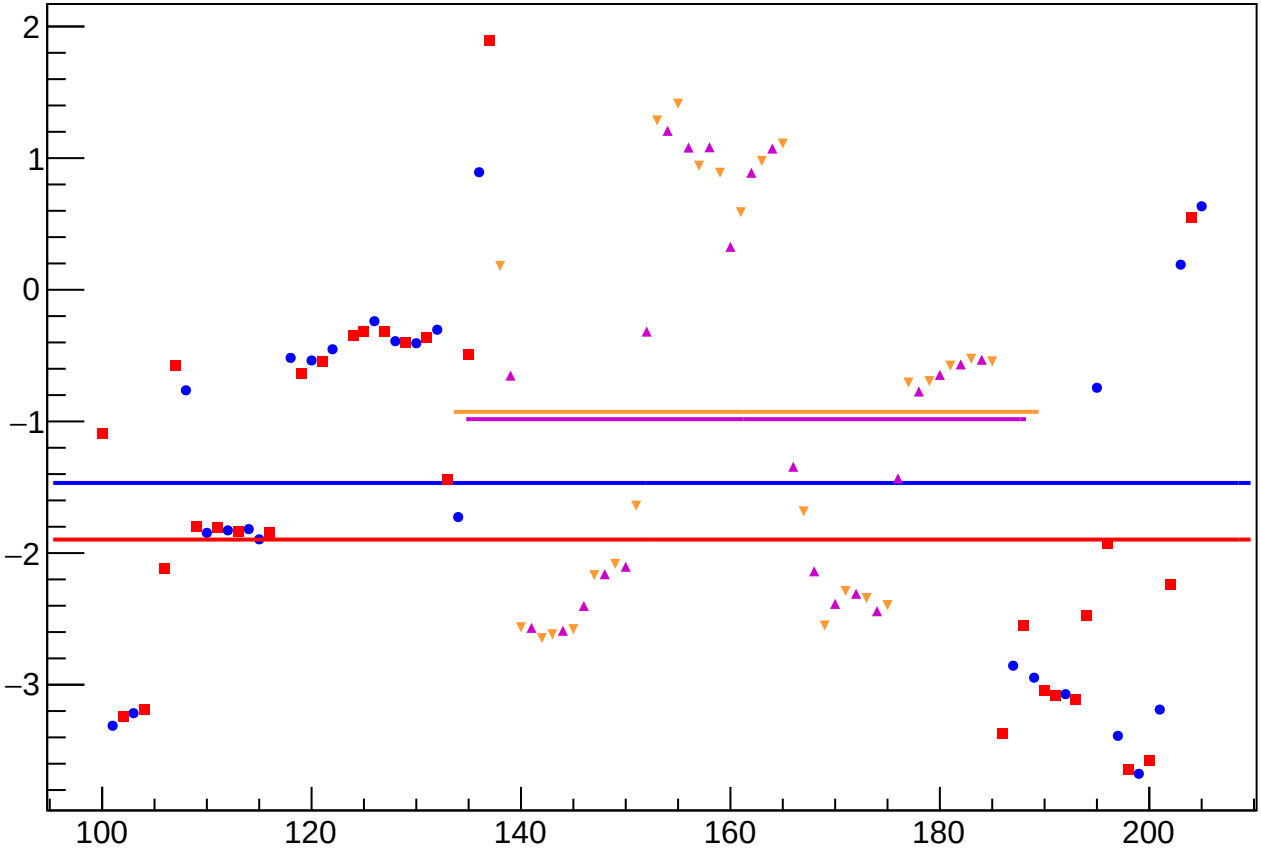
Right: 0.004+/-0.000 χ^2/NDF: 1998363.1/54

In: 0.003+/-0.000 χ^2/NDF:1614178.4/47

Out: 0.003+/-0.000 χ^2/NDF:2166193.9/54

All: 0.003+/-0.000 χ^2/NDF: 3780379.8/102

yield_bpm0r03X_mean vs Slug, Sign Corrected



Right In: -1.467+/-0.000 χ^2/NDF: 5867407148.8/24

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.897+/-0.000 χ^2/NDF: 4615679592.8/29

Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

Left: -0.954+/-0.000 χ^2/NDF: 13173158507.1/47

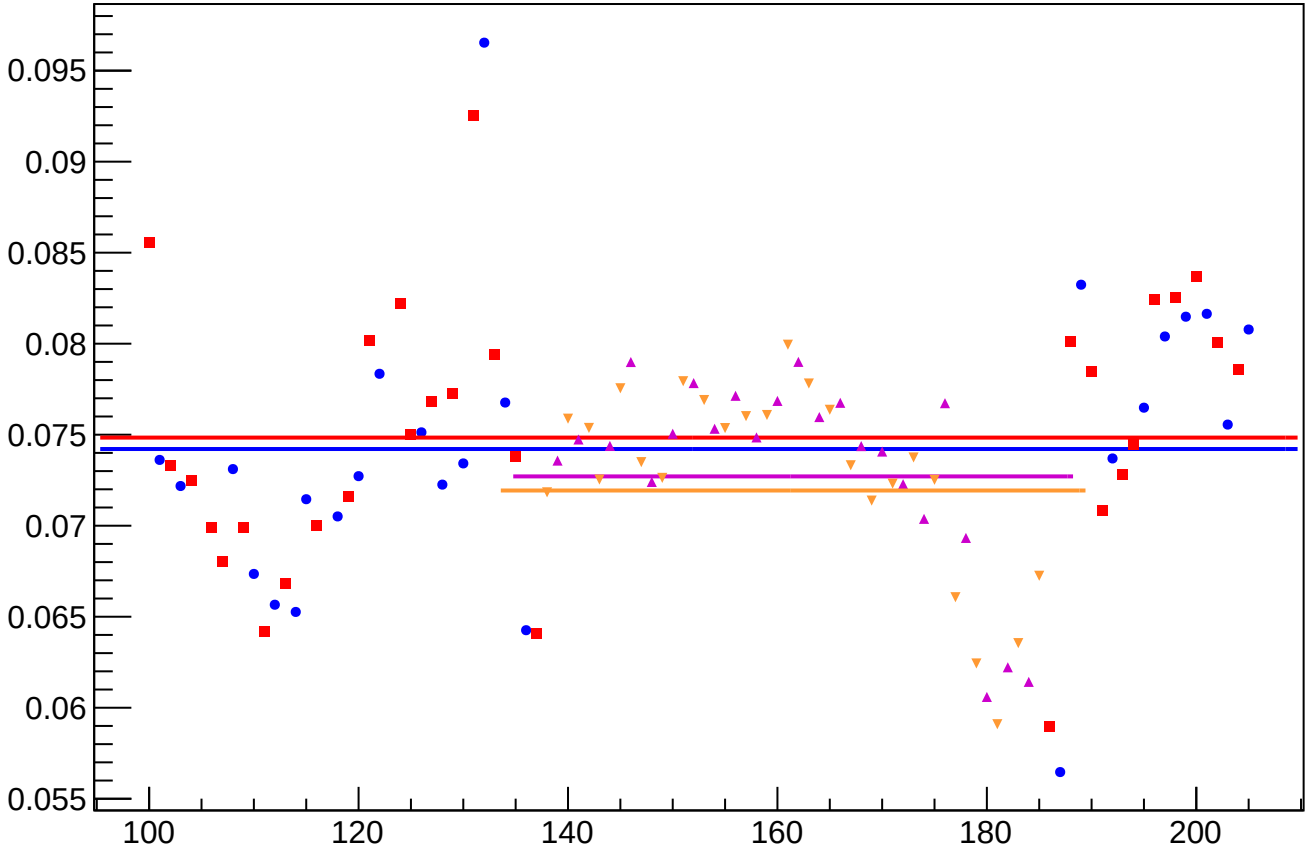
Right: -1.691+/-0.000 χ^2/NDF: 10722514803.4/54

In: -1.188+/-0.000 χ^2/NDF:12123194399.1/47

Out: -1.338+/-0.000 χ^2/NDF:13327207712.9/54

All: -1.266+/-0.000 χ^2/NDF: 25519399629.8/

yield_bpm0r03X_rms vs Slug, Sign Corrected



Right In: 0.074+/-0.000 χ^2/NDF: 217614.8/24

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

Right Out: 0.075+/-0.000 χ^2/NDF: 238769.6/29

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

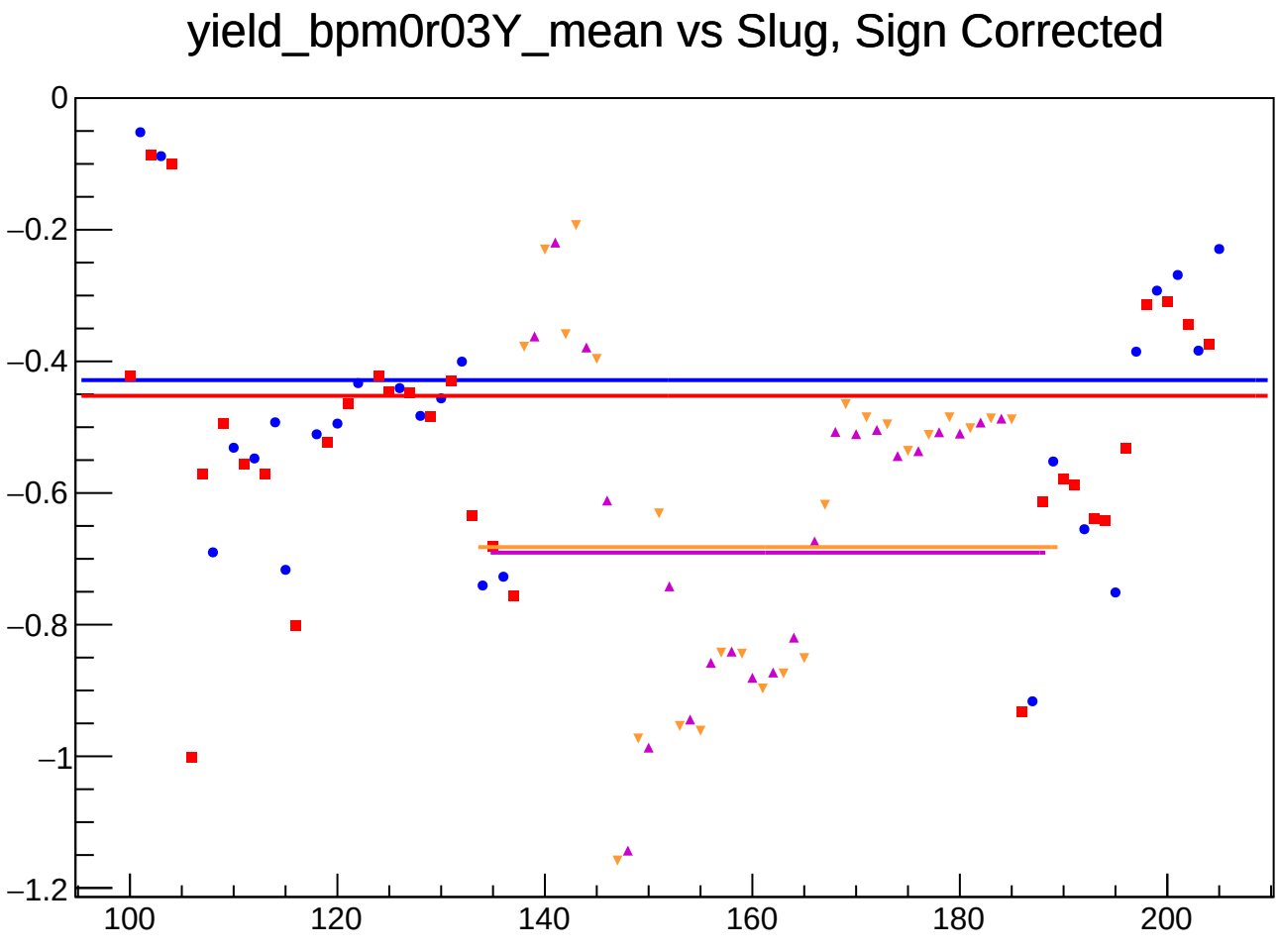
Left: 0.072+/-0.000 χ^2/NDF: 434657.5/47

Right: 0.075+/-0.000 χ^2/NDF: 457403.3/54

In: 0.073+/-0.000 χ^2/NDF:421118.1/47

Out: 0.073+/-0.000 χ^2/NDF:500552.4/54

All: 0.073+/-0.000 χ^2/NDF: 921868.7/102



Right In: -0.428+/-0.000 χ^2/NDF: 8201843293.2/24

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.452+/-0.000 χ^2/NDF: 6438492209.8/29

Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

Left: -0.686+/-0.000 χ^2/NDF: 38704767627.1/47

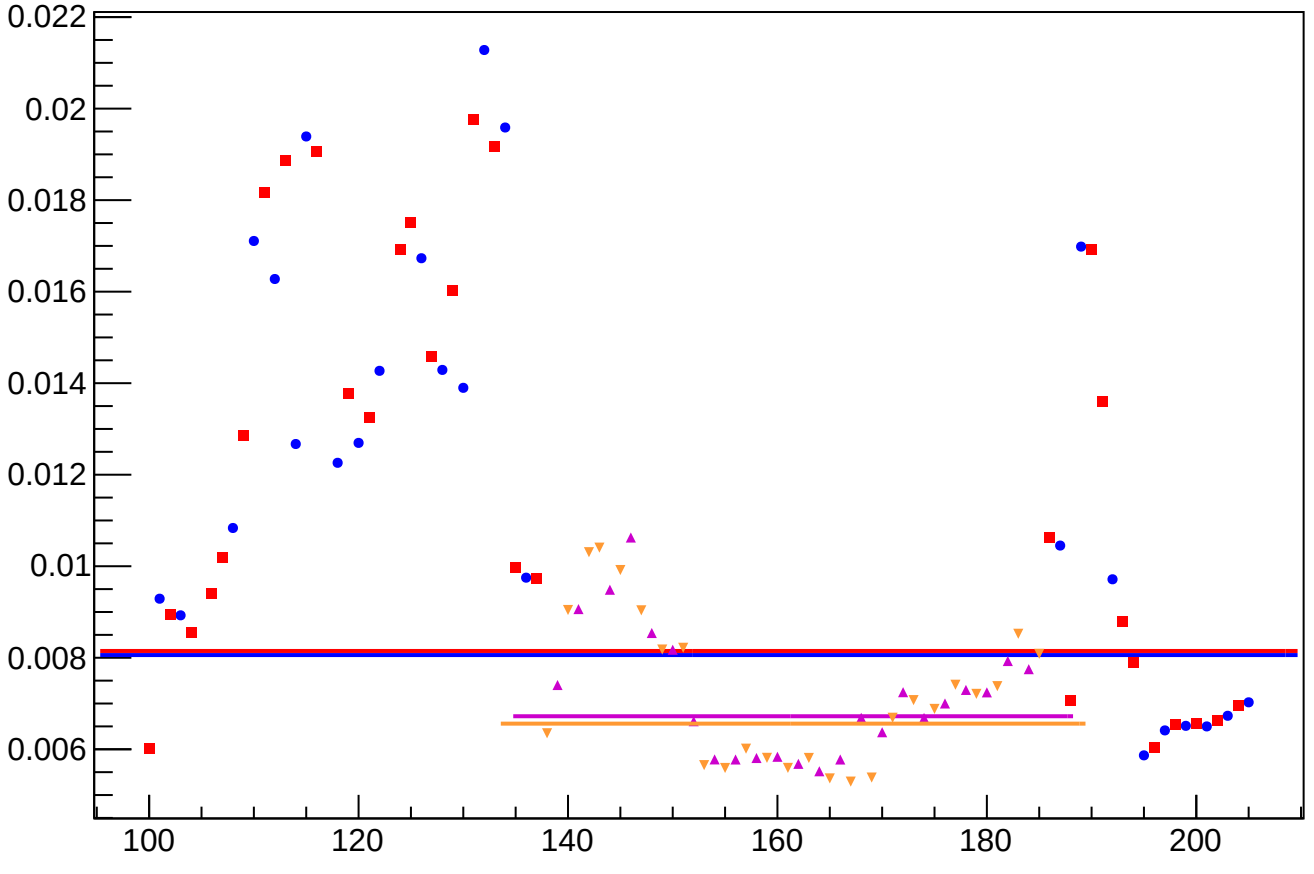
Right: -0.441+/-0.000 χ^2/NDF: 14692348810.0/54

In: -0.605+/-0.000 χ^2/NDF:33325866399.4/47

Out: -0.610+/-0.000 χ^2/NDF:35063691498.5/54

All: -0.608+/-0.000 χ^2/NDF: 68395104187.1/

yield_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 2883132.7/24

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3056656.5/29

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

Left: 0.007+/-0.000 χ^2/NDF: 2375100.1/47

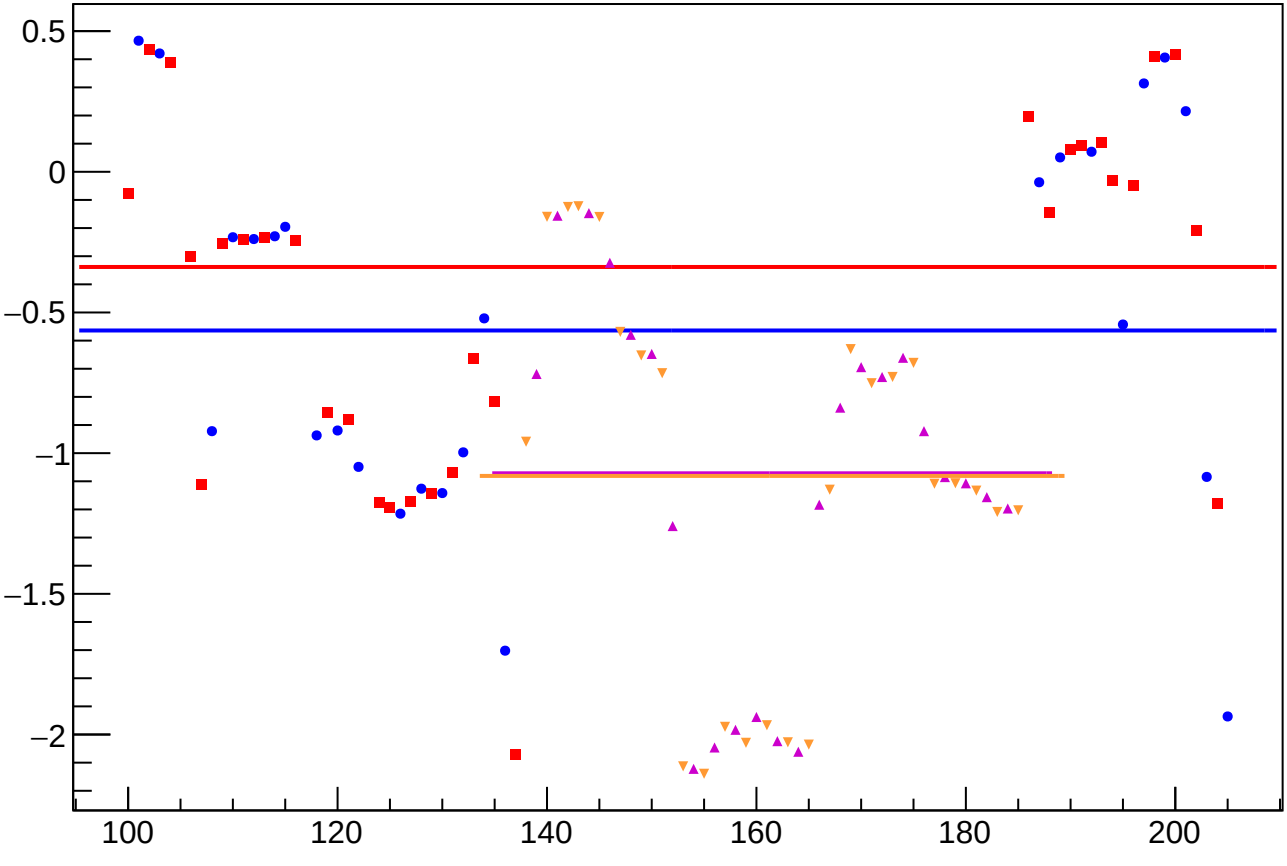
Right: 0.008+/-0.000 χ^2/NDF: 5941256.0/54

In: 0.007+/-0.000 χ^2/NDF:4273392.6/47

Out: 0.007+/-0.000 χ^2/NDF:5109948.4/54

All: 0.007+/-0.000 χ^2/NDF: 9388571.9/102

yield_bpm0r05X_mean vs Slug, Sign Corrected



Right In: -0.564+/-0.000 χ^2/NDF: 925055173.8/24

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.338+/-0.000 χ^2/NDF: 633772892.4/29

Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

Left: -1.076+/-0.000 χ^2/NDF: 2128025374.6/47

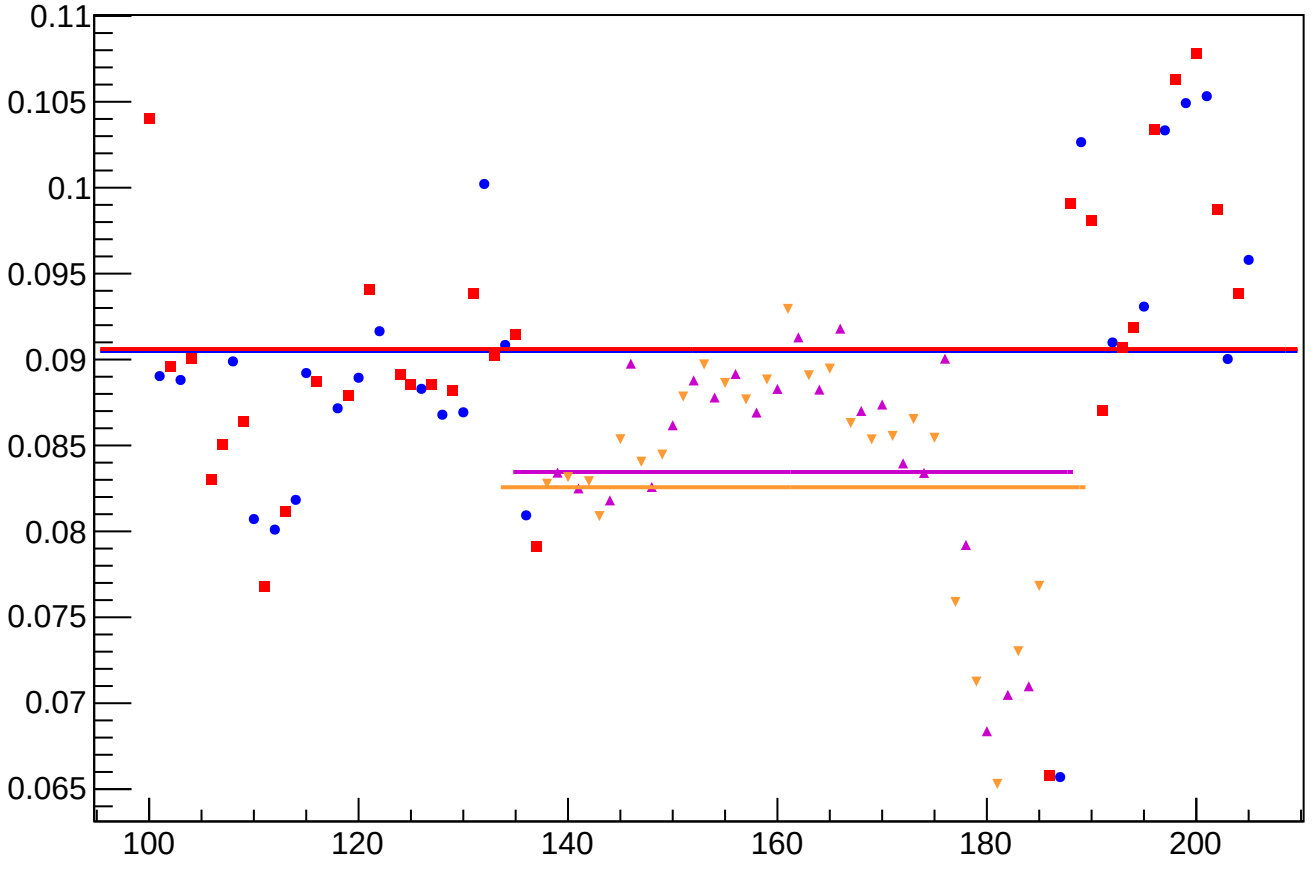
Right: -0.446+/-0.000 χ^2/NDF: 1603990455.0/54

In: -0.871+/-0.000 χ^2/NDF:2165019378.0/47

Out: -0.785+/-0.000 χ^2/NDF:2401907118.9/54

All: -0.826+/-0.000 χ^2/NDF: 4583447920.1/1

yield_bpm0r05X_rms vs Slug, Sign Corrected



Right In: 0.090+/-0.000 χ^2/NDF: 234769.8/24

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 325048.7/29

Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

Left: 0.083+/-0.000 χ^2/NDF: 531669.0/47

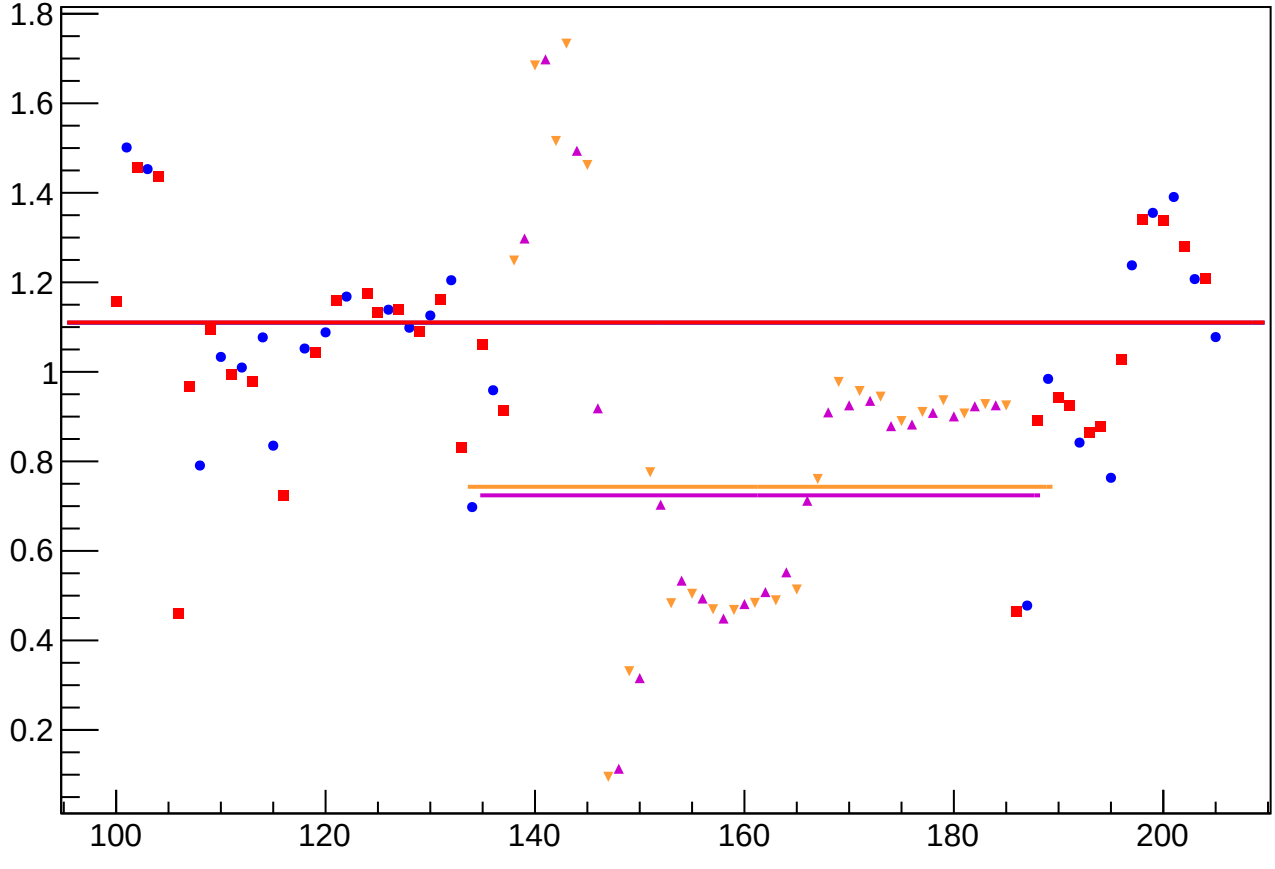
Right: 0.091+/-0.000 χ^2/NDF: 559841.2/54

In: 0.086+/-0.000 χ^2/NDF:574925.2/47

Out: 0.086+/-0.000 χ^2/NDF:760632.8/54

All: 0.086+/-0.000 χ^2/NDF: 1336527.0/102

yield_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 1.110+/-0.000 χ^2/NDF: 5003332598.8/24

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.110+/-0.000 χ^2/NDF: 4643179477.0/29

Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

Left: 0.734+/-0.000 χ^2/NDF: 58283506093.5/47

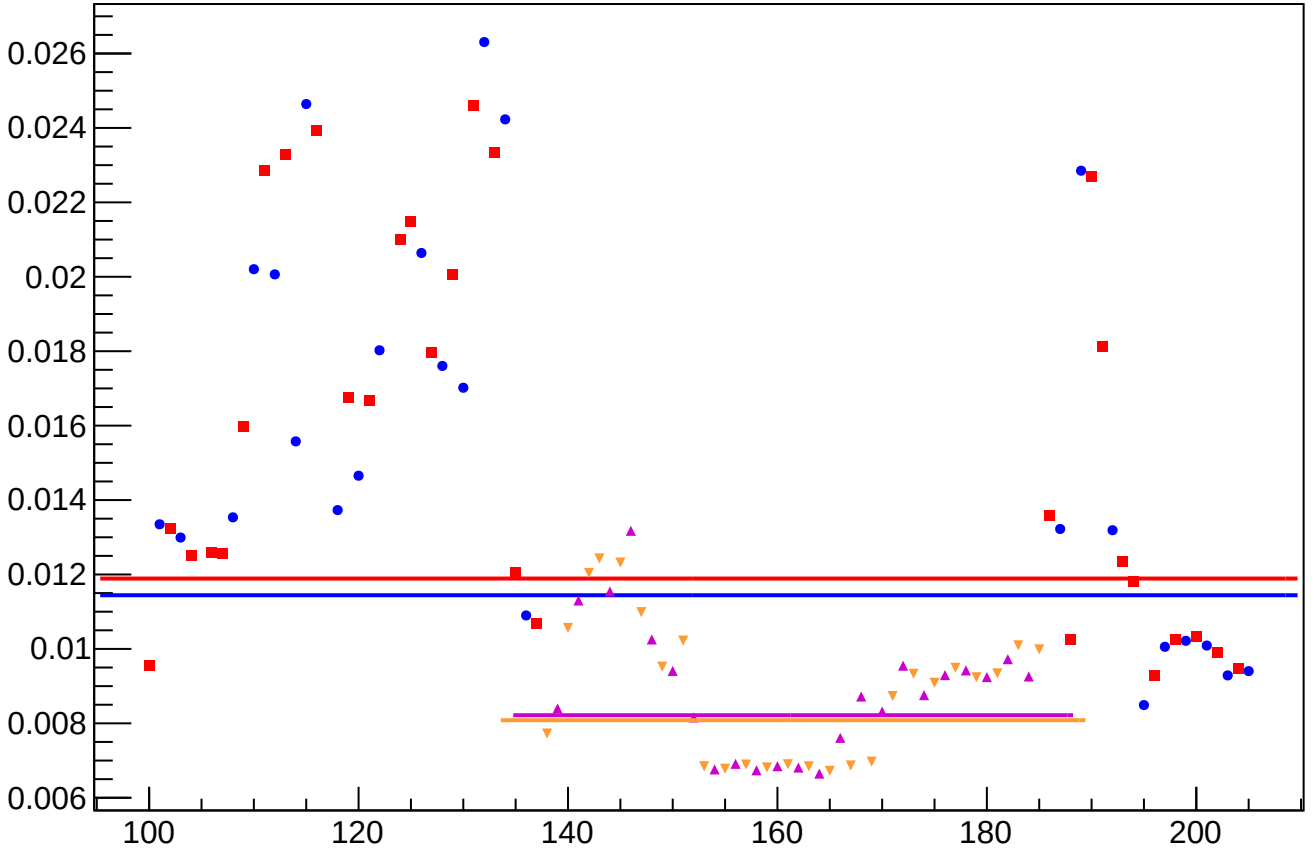
Right: 1.110+/-0.000 χ^2/NDF: 9646524173.4/54

In: 0.828+/-0.000 χ^2/NDF:40600064110.9/47

Out: 0.836+/-0.000 χ^2/NDF:46482369858.1/54

All: 0.832+/-0.000 χ^2/NDF: 87093488199.8/1

yield_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 0.011+/-0.000 χ^2/NDF: 1996805.8/24

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2078770.8/29

Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

Left: 0.008+/-0.000 χ^2/NDF: 2538791.6/47

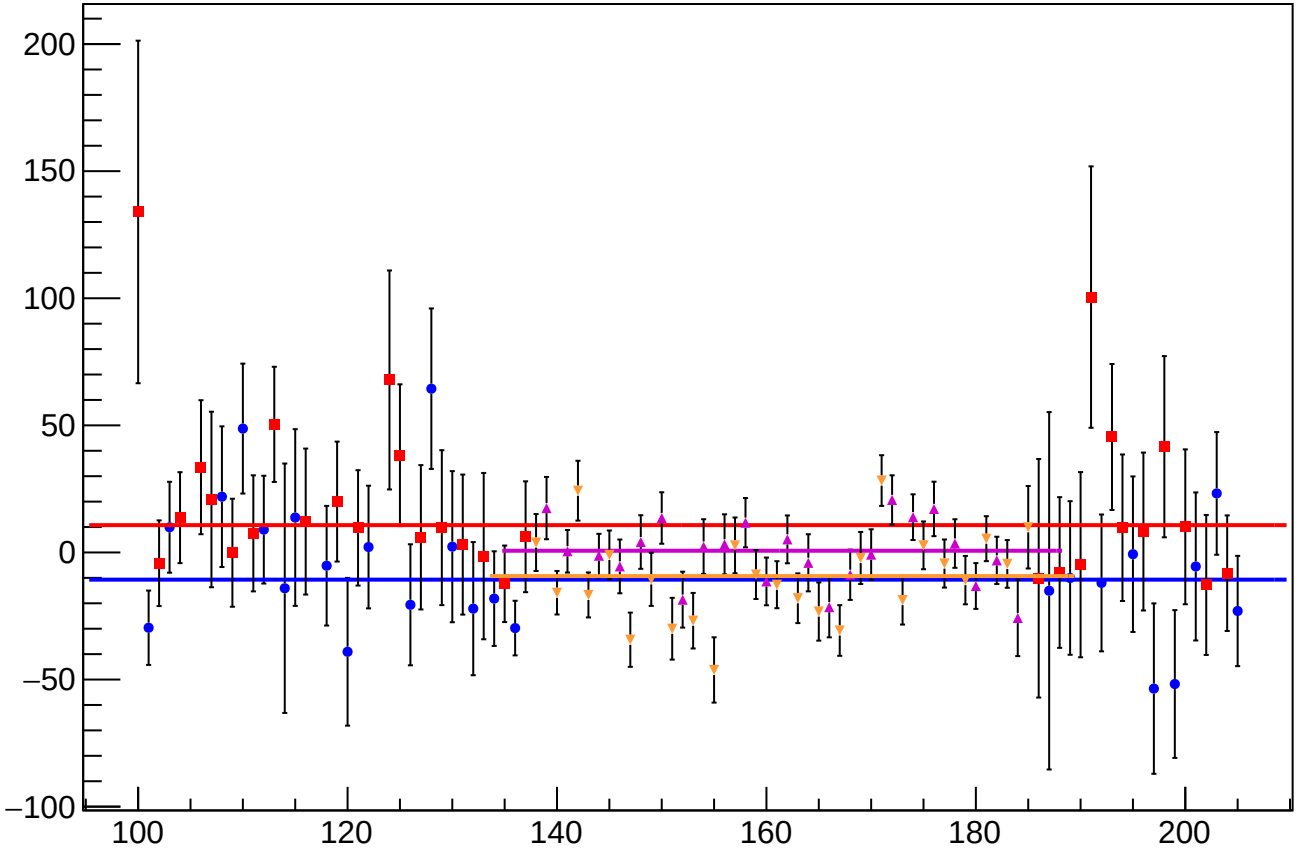
Right: 0.012+/-0.000 χ^2/NDF: 4094042.2/54

In: 0.009+/-0.000 χ^2/NDF:4514187.7/47

Out: 0.009+/-0.000 χ^2/NDF:5476056.6/54

All: 0.009+/-0.000 χ^2/NDF: 9990818.1/102

diff_bpm4aX_mean vs Slug, Sign Corrected



Right In: -10.697+/-4.634 χ^2/NDF: 28.0/24

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

Right Out: 10.748+/-4.746 χ^2/NDF: 21.3/29

Left In: 0.676+/-2.104 χ^2/NDF:29.4/22

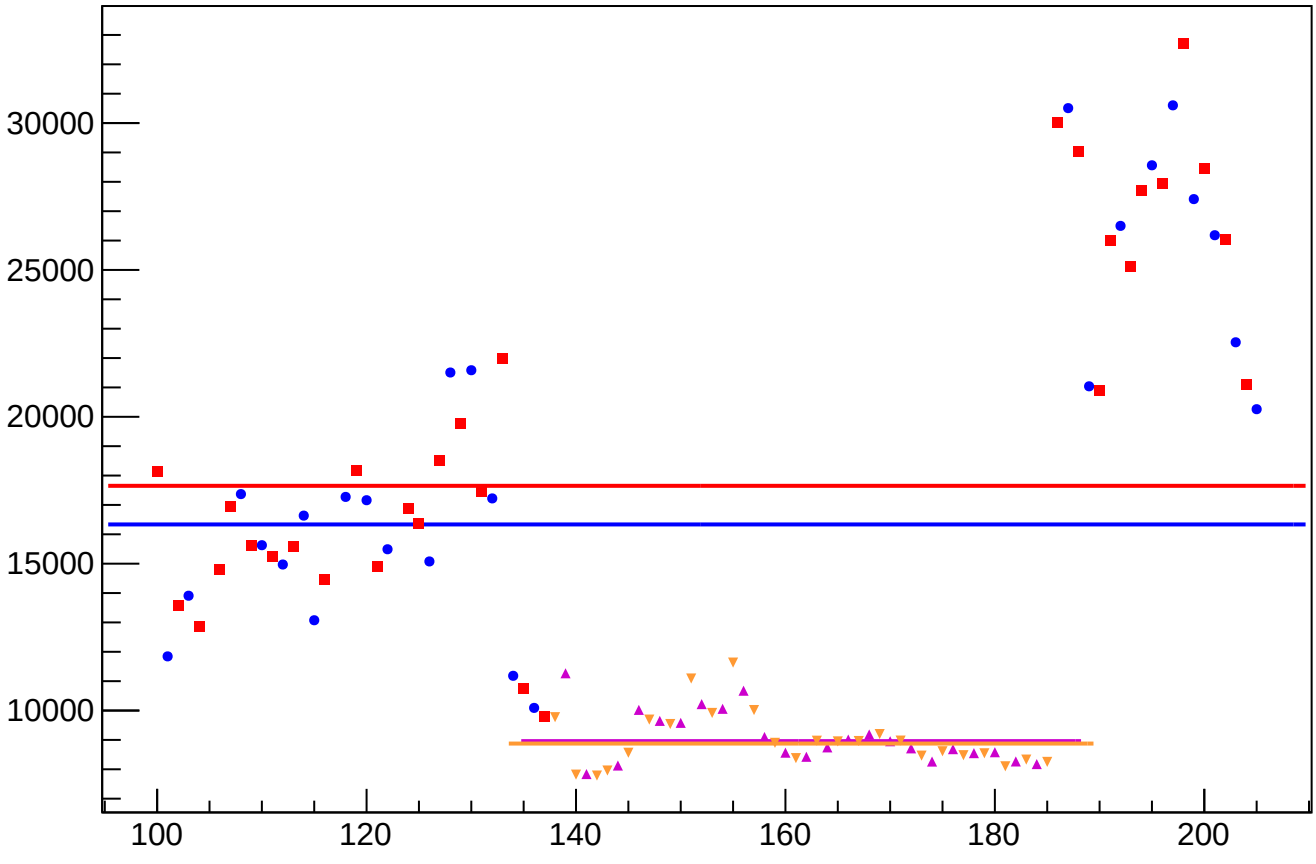
Left: -4.485+/-1.461 χ^2/NDF: 102.2/47

Right: -0.231+/-3.316 χ^2/NDF: 59.8/54

In: -1.268+/-1.916 χ^2/NDF:62.5/47

Out: -6.191+/-1.867 χ^2/NDF:97.5/54

All: -3.793+/-1.337 χ^2/NDF: 163.4/102



Right In: 16335.744+/-3.277 χ^2/NDF: 3029915.0/24

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17650.446+/-3.356 χ^2/NDF: 3068921.4/29

Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

Left: 8915.664+/-1.033 χ^2/NDF: 650301.9/47

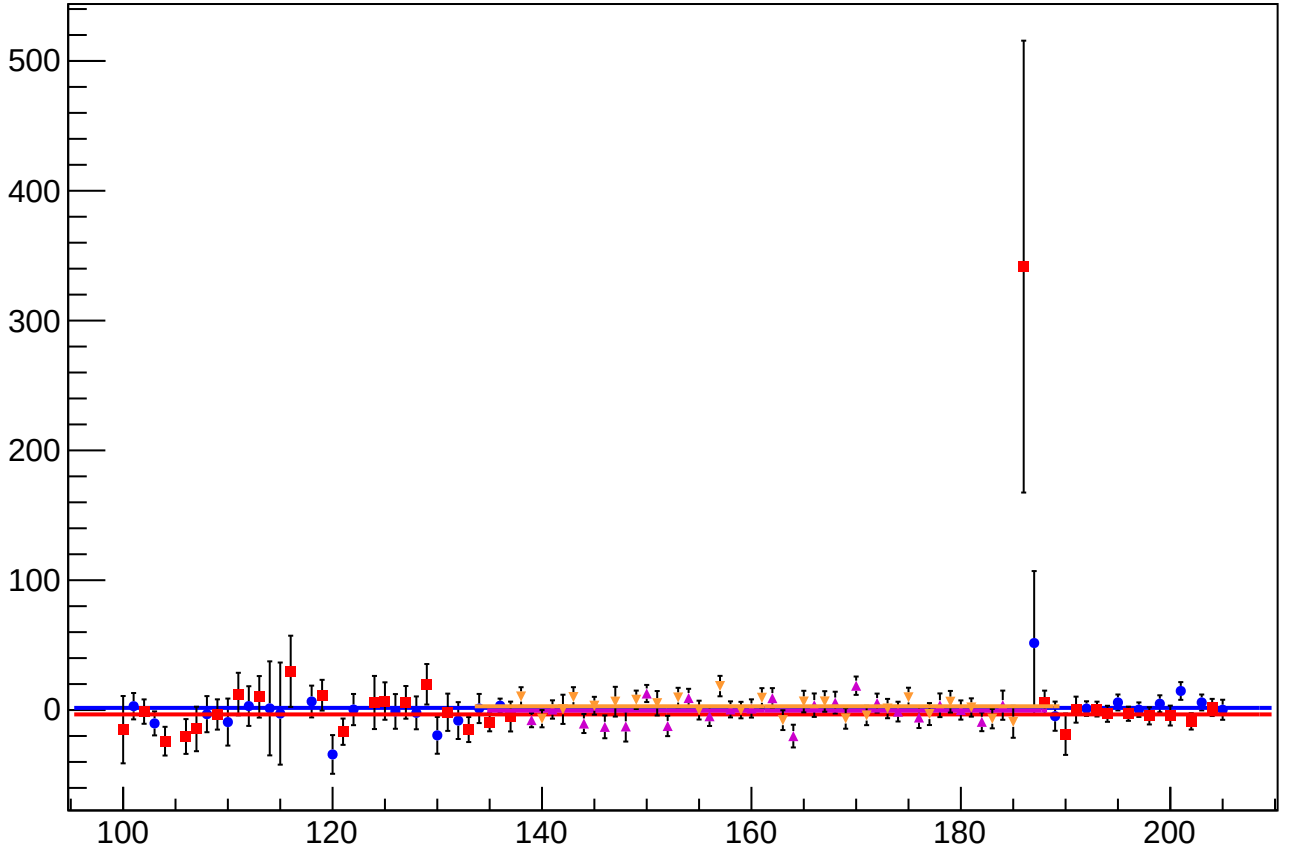
Right: 16977.351+/-2.345 χ^2/NDF: 6177398.5/54

In: 10219.694+/-1.355 χ^2/NDF:7533786.1/47

Out: 10233.203+/-1.320 χ^2/NDF:9194048.3/54

All: 10226.623+/-0.945 χ^2/NDF: 16727885.4

diff_bpm4aY_mean vs Slug, Sign Corrected



Right In: 1.645+/-1.814 χ^2/NDF: 17.1/24

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: -3.374+/-1.746 χ^2/NDF: 25.7/29

Left In: -0.456+/-1.581 χ^2/NDF:32.8/22

Left: 1.241+/-1.108 χ^2/NDF: 54.5/47

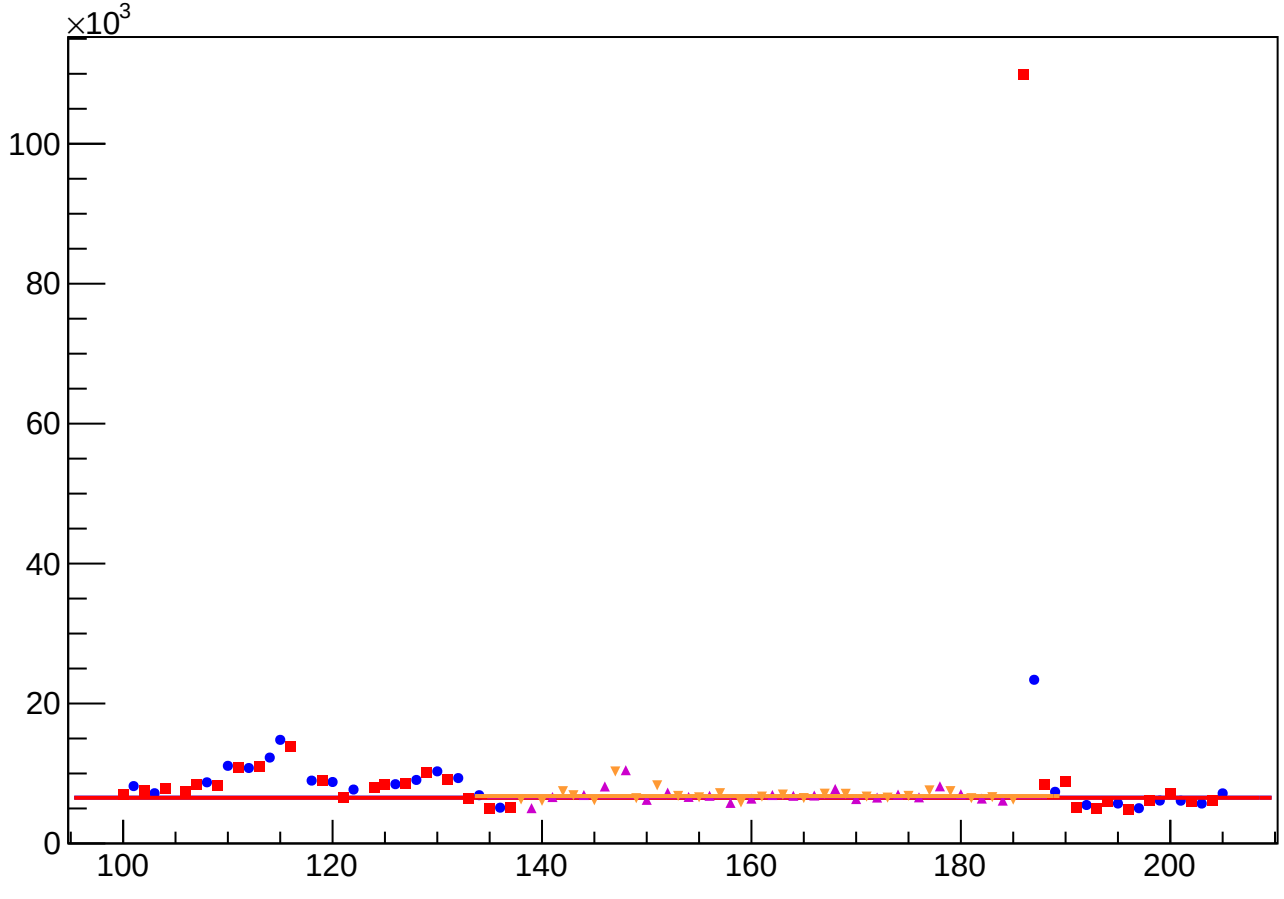
Right: -0.960+/-1.258 χ^2/NDF: 46.8/54

In: 0.452+/-1.192 χ^2/NDF:50.7/47

Out: 0.116+/-1.161 χ^2/NDF:52.3/54

All: 0.279+/-0.832 χ^2/NDF: 103.1/102

diff_bpm4aY_rms vs Slug, Sign Corrected



Right In: 6549.230+/-1.282 χ^2/NDF: 1669928.0/24

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

Right Out: 6525.298+/-1.235 χ^2/NDF: 2332432.0/29

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

Left: 6733.914+/-0.784 χ^2/NDF: 1023536.8/47

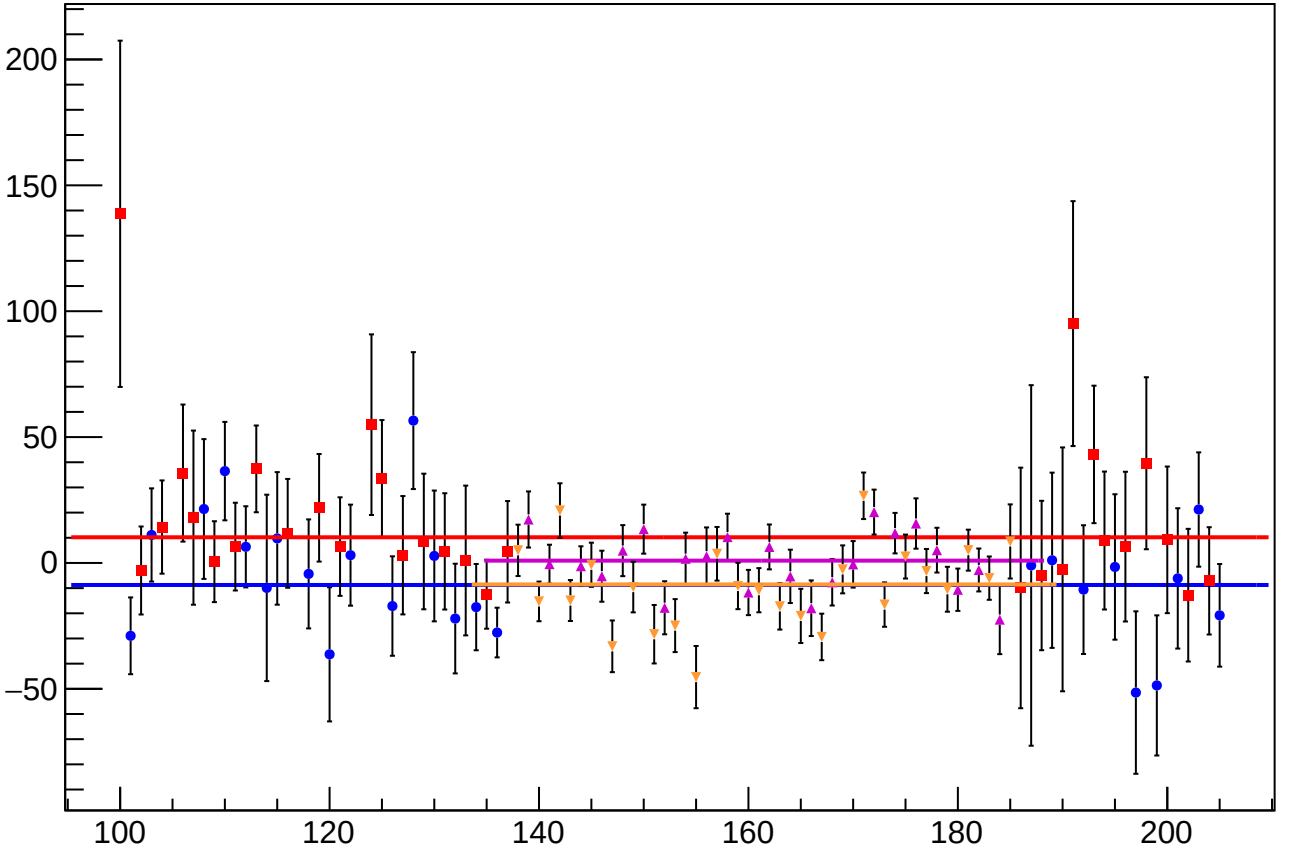
Right: 6536.810+/-0.889 χ^2/NDF: 4002540.8/54

In: 6628.941+/-0.843 χ^2/NDF:2297006.0/47

Out: 6665.618+/-0.821 χ^2/NDF:2755745.9/54

All: 6647.766+/-0.588 χ^2/NDF: 5053723.9/10

diff_bpm4eX_mean vs Slug, Sign Corrected



Right In: -8.748+/-4.226 χ^2/NDF: 28.8/24

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

Right Out: 10.199+/-4.280 χ^2/NDF: 21.1/29

Left In: 0.919+/-1.969 χ^2/NDF:29.1/22

Left: -3.985+/-1.366 χ^2/NDF: 103.0/47

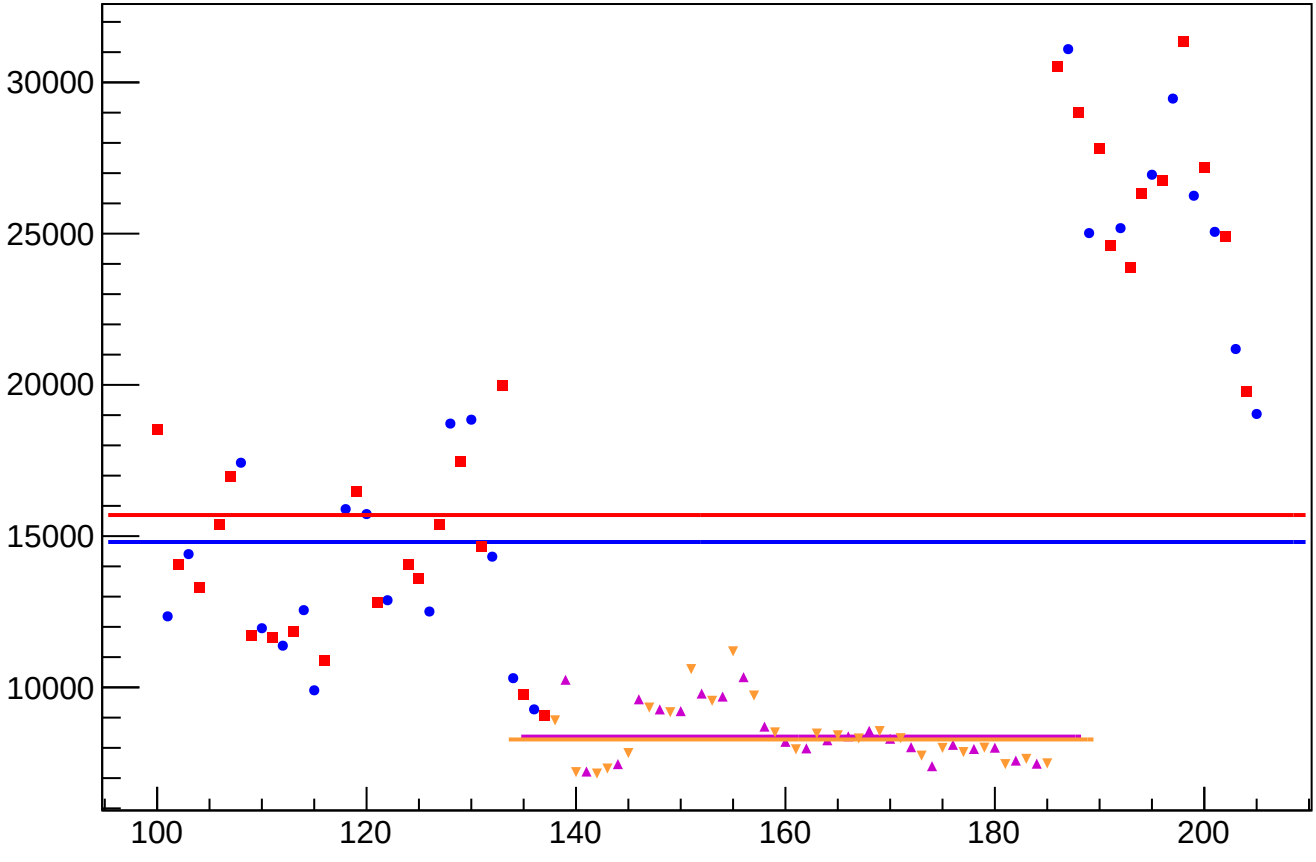
Right: 0.606+/-3.007 χ^2/NDF: 59.8/54

In: -0.805+/-1.785 χ^2/NDF:62.2/47

Out: -5.461+/-1.734 χ^2/NDF:99.0/54

All: -3.200+/-1.244 χ^2/NDF: 164.7/102

diff_bpm4eX_rms vs Slug, Sign Corrected



Right In: 14806.104+/-2.988 χ^2/NDF: 3415285.4/24

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 15697.338+/-3.026 χ^2/NDF: 3794999.2/29

Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

Left: 8323.298+/-0.966 χ^2/NDF: 850375.1/47

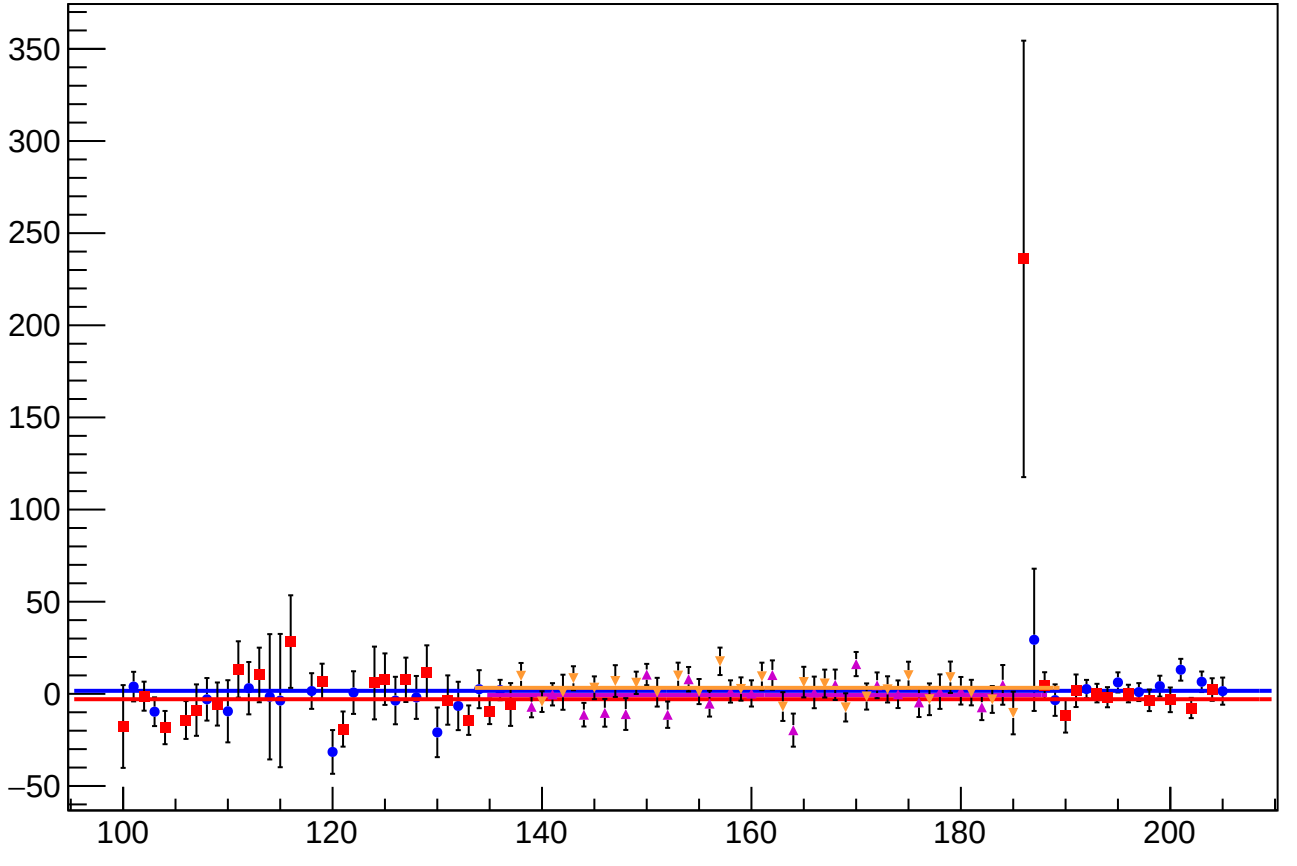
Right: 15246.112+/-2.126 χ^2/NDF: 7254197.9/54

In: 9519.770+/-1.262 χ^2/NDF:7616716.1/47

Out: 9495.793+/-1.226 χ^2/NDF:9274548.2/54

All: 9507.436+/-0.879 χ^2/NDF: 16891449.9/1

diff_bpm4eY_mean vs Slug, Sign Corrected



Right In: 1.638+/-1.616 χ^2/NDF: 20.4/24

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: -2.915+/-1.533 χ^2/NDF: 26.5/29

Left In: -0.645+/-1.499 χ^2/NDF:30.8/22

Left: 1.360+/-1.045 χ^2/NDF: 51.9/47

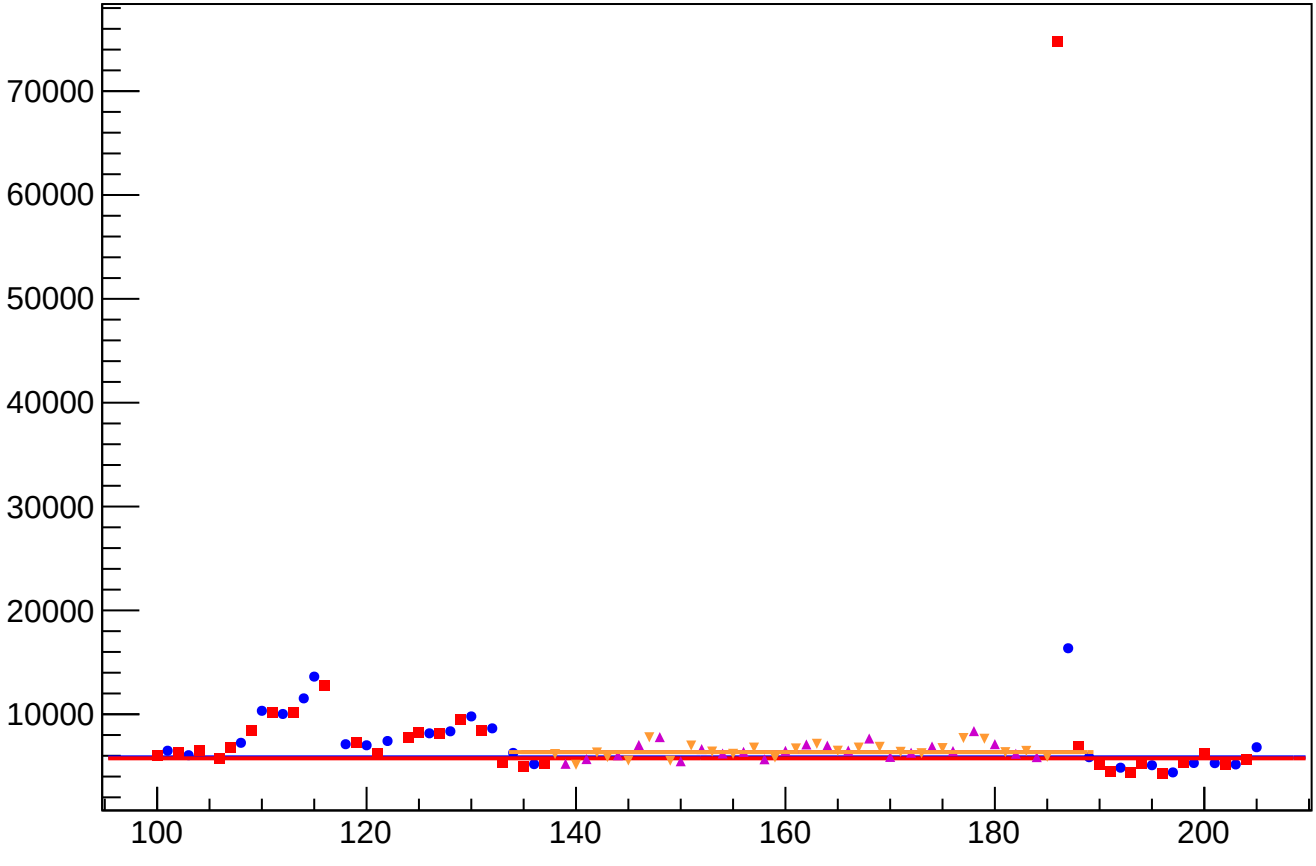
Right: -0.757+/-1.112 χ^2/NDF: 51.1/54

In: 0.411+/-1.099 χ^2/NDF:52.3/47

Out: 0.327+/-1.056 χ^2/NDF:52.6/54

All: 0.367+/-0.762 χ^2/NDF: 104.9/102

diff_bpm4eY_rms vs Slug, Sign Corrected



Right In: 5852.059+/-1.142 χ^2/NDF: 1592893.8/24

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5754.983+/-1.084 χ^2/NDF: 2292666.1/29

Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

Left: 6358.725+/-0.739 χ^2/NDF: 887997.3/47

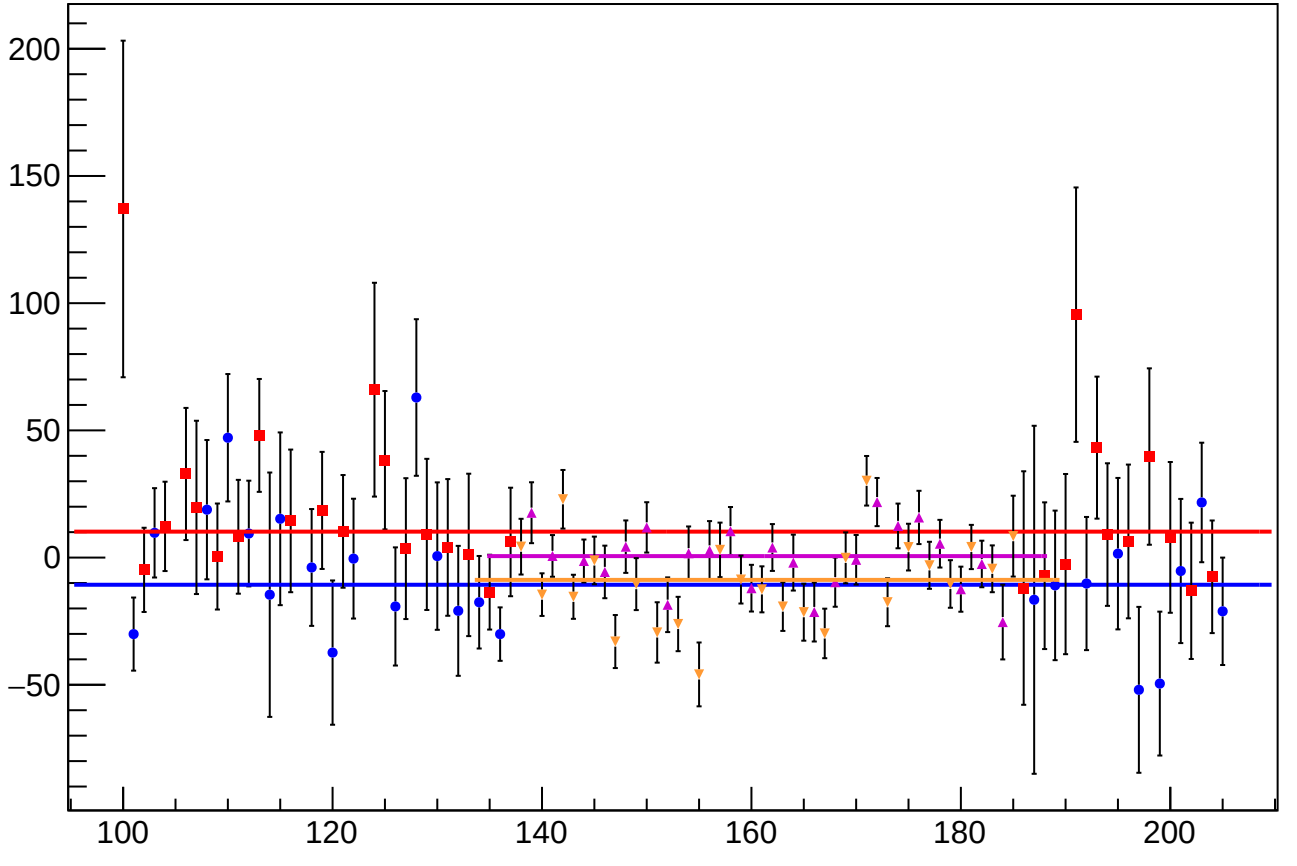
Right: 5800.985+/-0.786 χ^2/NDF: 3889358.6/54

In: 6124.941+/-0.777 χ^2/NDF:2172945.1/47

Out: 6071.637+/-0.747 χ^2/NDF:2869109.0/54

All: 6097.233+/-0.538 χ^2/NDF: 5044499.7/10

diff_bpm4acX_mean vs Slug, Sign Corrected



Right In: -10.682+/-4.529 χ^2/NDF: 27.9/24

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: 10.199+/-4.639 χ^2/NDF: 21.5/29

Left In: 0.579+/-2.059 χ^2/NDF:29.6/22

Left: -4.260+/-1.430 χ^2/NDF: 102.9/47

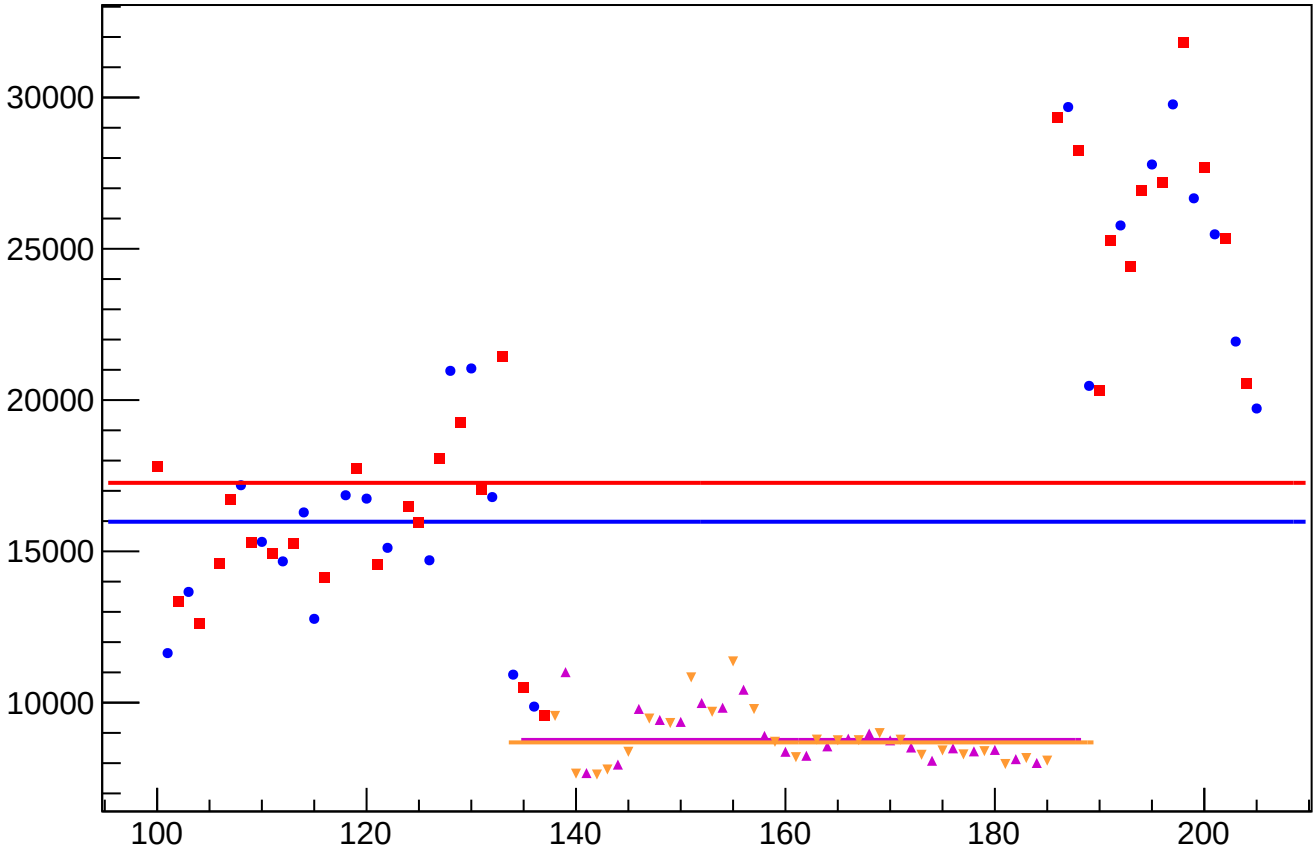
Right: -0.491+/-3.241 χ^2/NDF: 59.8/54

In: -1.350+/-1.874 χ^2/NDF:62.6/47

Out: -5.826+/-1.826 χ^2/NDF:98.3/54

All: -3.646+/-1.308 χ^2/NDF: 163.9/102

diff_bpm4acX_rms vs Slug, Sign Corrected



Right In: 15979.292+/-3.203 χ^2/NDF: 2989916.2/24

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17264.389+/-3.280 χ^2/NDF: 3022942.8/29

Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

Left: 8725.421+/-1.011 χ^2/NDF: 637837.1/47

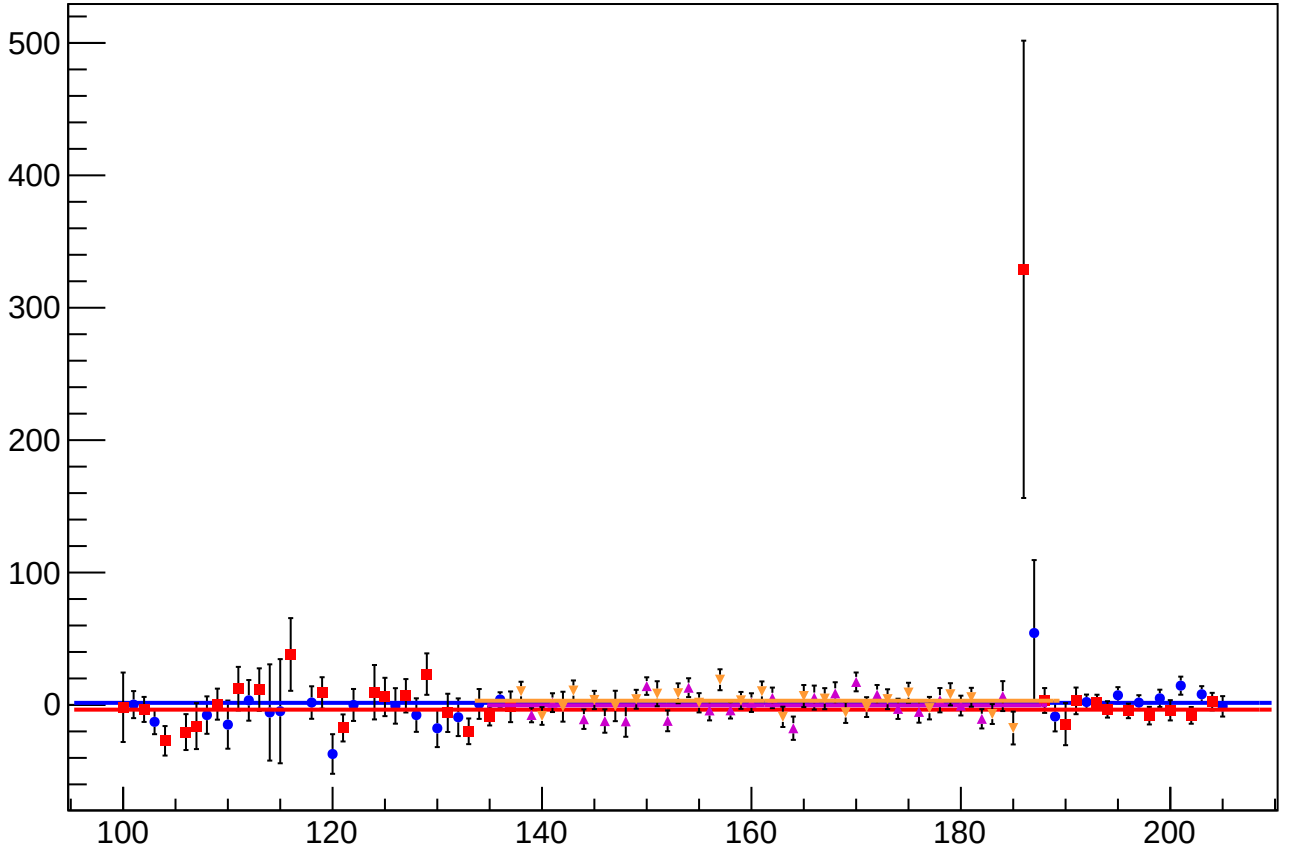
Right: 16606.492+/-2.291 χ^2/NDF: 6091443.0/54

In: 10002.965+/-1.325 χ^2/NDF:7487491.5/47

Out: 10016.005+/-1.292 χ^2/NDF:9143028.8/54

All: 10009.654+/-0.925 χ^2/NDF: 16630569.9

diff_bpm4acY_mean vs Slug, Sign Corrected



Right In: 1.575+/-1.820 χ^2/NDF: 21.4/24

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: -3.560+/-1.753 χ^2/NDF: 29.5/29

Left In: -0.269+/-1.590 χ^2/NDF:34.2/22

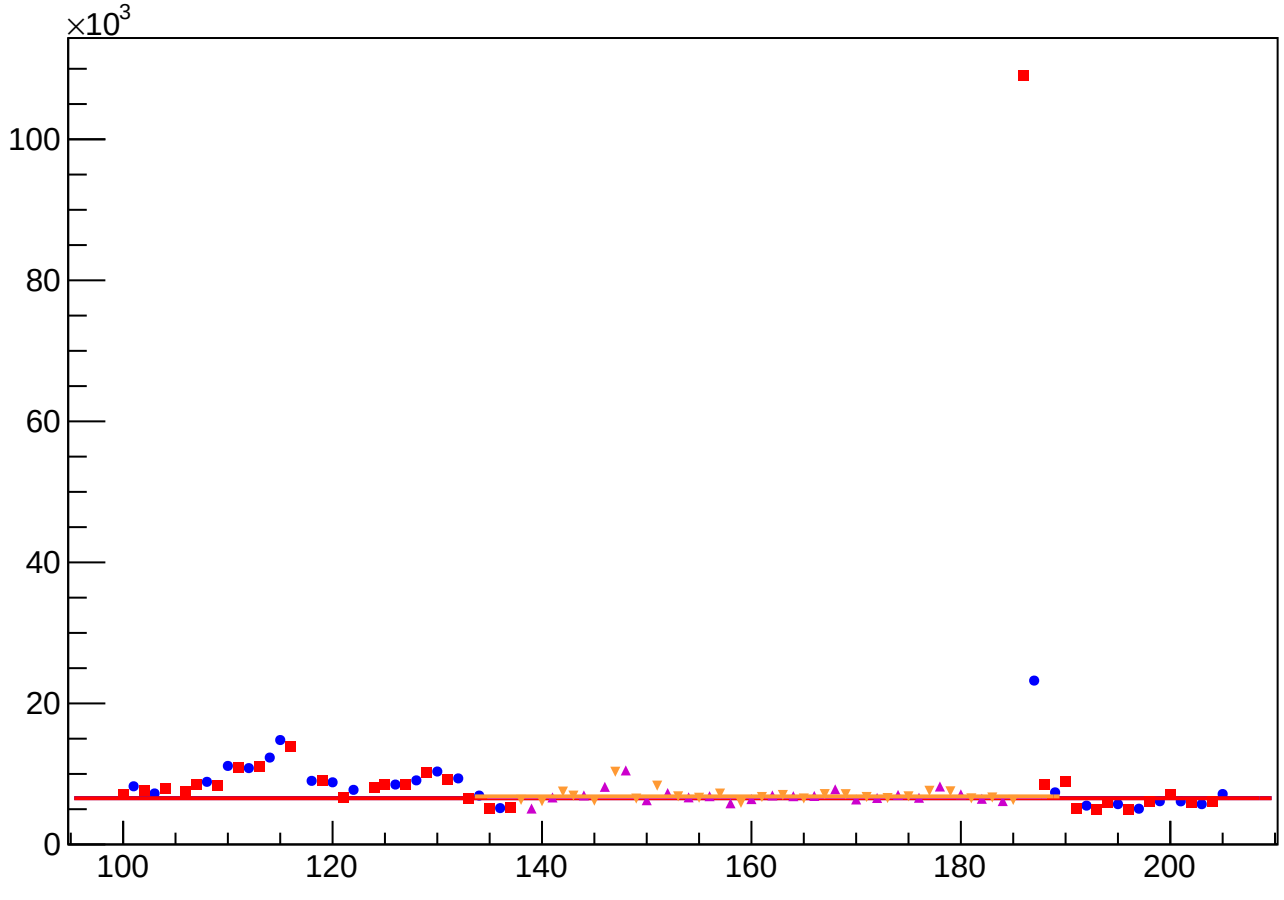
Left: 1.482+/-1.114 χ^2/NDF: 58.3/47

Right: -1.089+/-1.262 χ^2/NDF: 55.0/54

In: 0.530+/-1.197 χ^2/NDF:56.2/47

Out: 0.192+/-1.166 χ^2/NDF:59.4/54

All: 0.356+/-0.835 χ^2/NDF: 115.6/102



Right In: 6571.961+/-1.287 χ^2/NDF: 1667789.3/24

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6552.257+/-1.239 χ^2/NDF: 2326912.2/29

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

Left: 6771.179+/-0.788 χ^2/NDF: 1007573.6/47

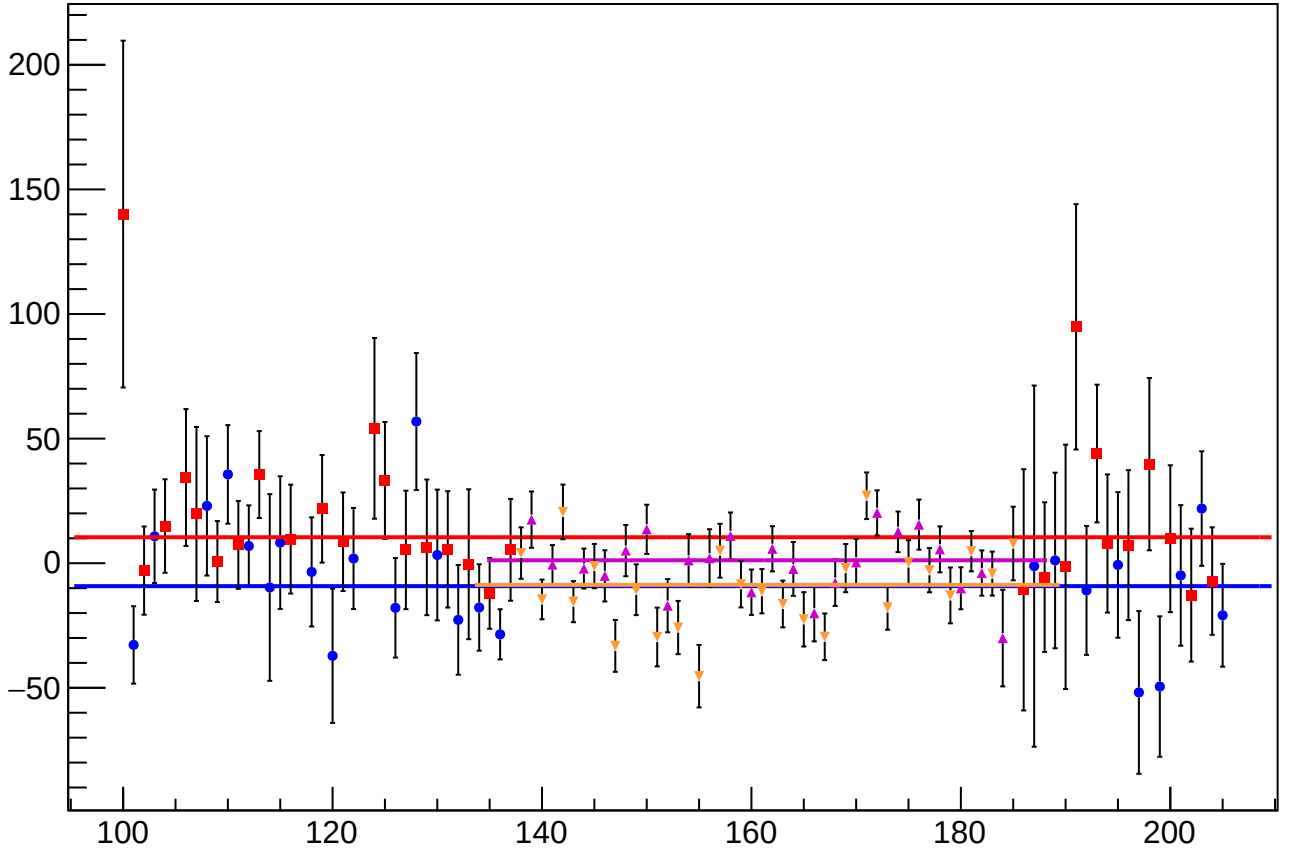
Right: 6561.740+/-0.893 χ^2/NDF: 3994823.1/54

In: 6660.354+/-0.847 χ^2/NDF:2286151.1/47

Out: 6697.575+/-0.825 χ^2/NDF:2746197.9/54

All: 6679.458+/-0.591 χ^2/NDF: 5033341.0/10

diff_bpm4ecX_mean vs Slug, Sign Corrected



Right In: -9.199+/-4.283 χ^2/NDF: 29.4/24

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: 10.424+/-4.340 χ^2/NDF: 20.0/29

Left In: 1.174+/-2.012 χ^2/NDF:28.6/22

Left: -3.950+/-1.395 χ^2/NDF: 102.4/47

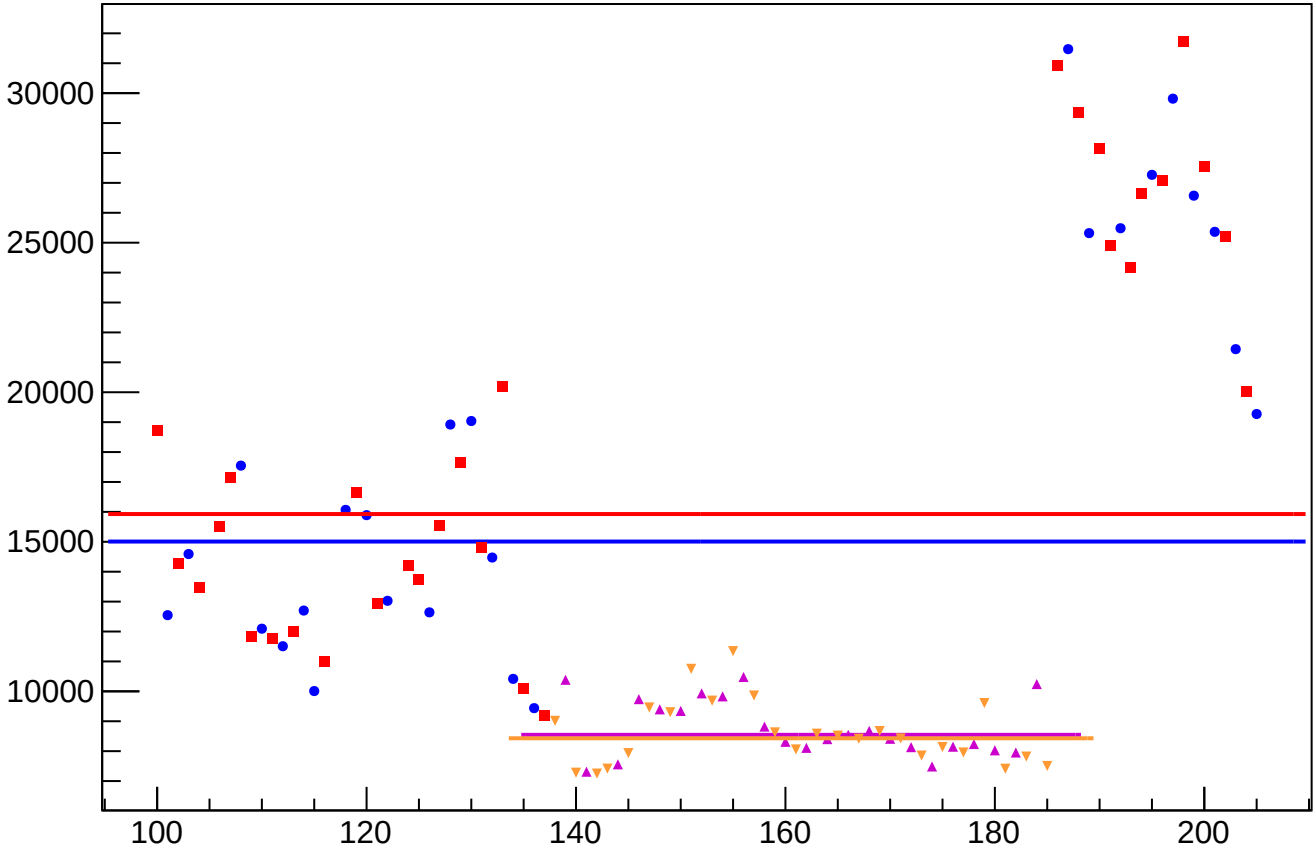
Right: 0.482+/-3.049 χ^2/NDF: 59.8/54

In: -0.702+/-1.821 χ^2/NDF:62.8/47

Out: -5.520+/-1.768 χ^2/NDF:97.6/54

All: -3.182+/-1.269 χ^2/NDF: 164.0/102

diff_bpm4ecX_rms vs Slug, Sign Corrected



Right In: 15008.263+/-3.029 χ^2/NDF: 3391211.0/24

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 15927.575+/-3.069 χ^2/NDF: 3753675.0/29

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

Left: 8485.892+/-0.987 χ^2/NDF: 877783.2/47

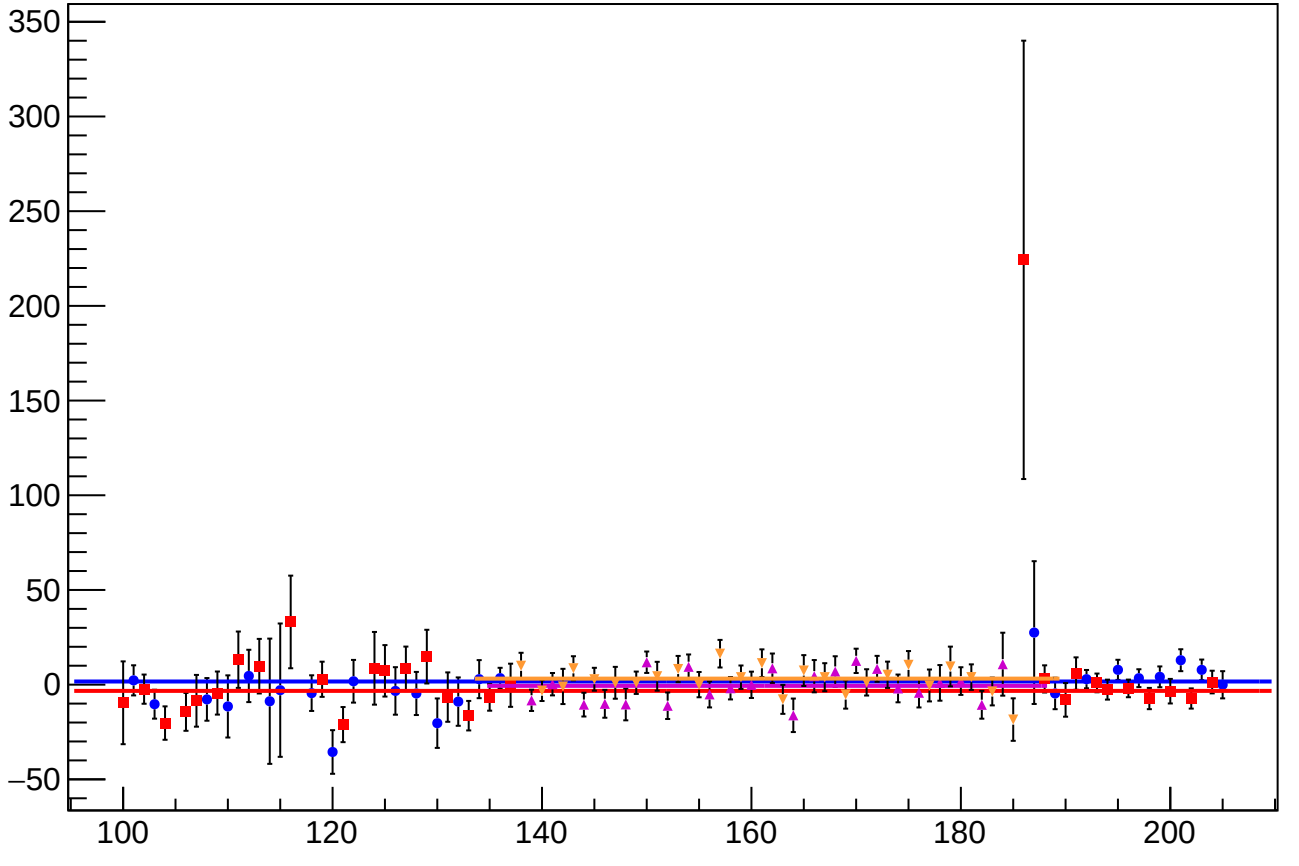
Right: 15461.827+/-2.156 χ^2/NDF: 7190347.0/54

In: 9714.250+/-1.288 χ^2/NDF:7511208.6/47

Out: 9675.005+/-1.250 χ^2/NDF:9215287.0/54

All: 9694.046+/-0.897 χ^2/NDF: 16726973.6/1

diff_bpm4ecY_mean vs Slug, Sign Corrected



Right In: 1.666+/-1.577 χ^2/NDF: 26.9/24

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: -3.294+/-1.495 χ^2/NDF: 29.0/29

Left In: -0.633+/-1.482 χ^2/NDF:31.8/22

Left: 1.337+/-1.031 χ^2/NDF: 53.9/47

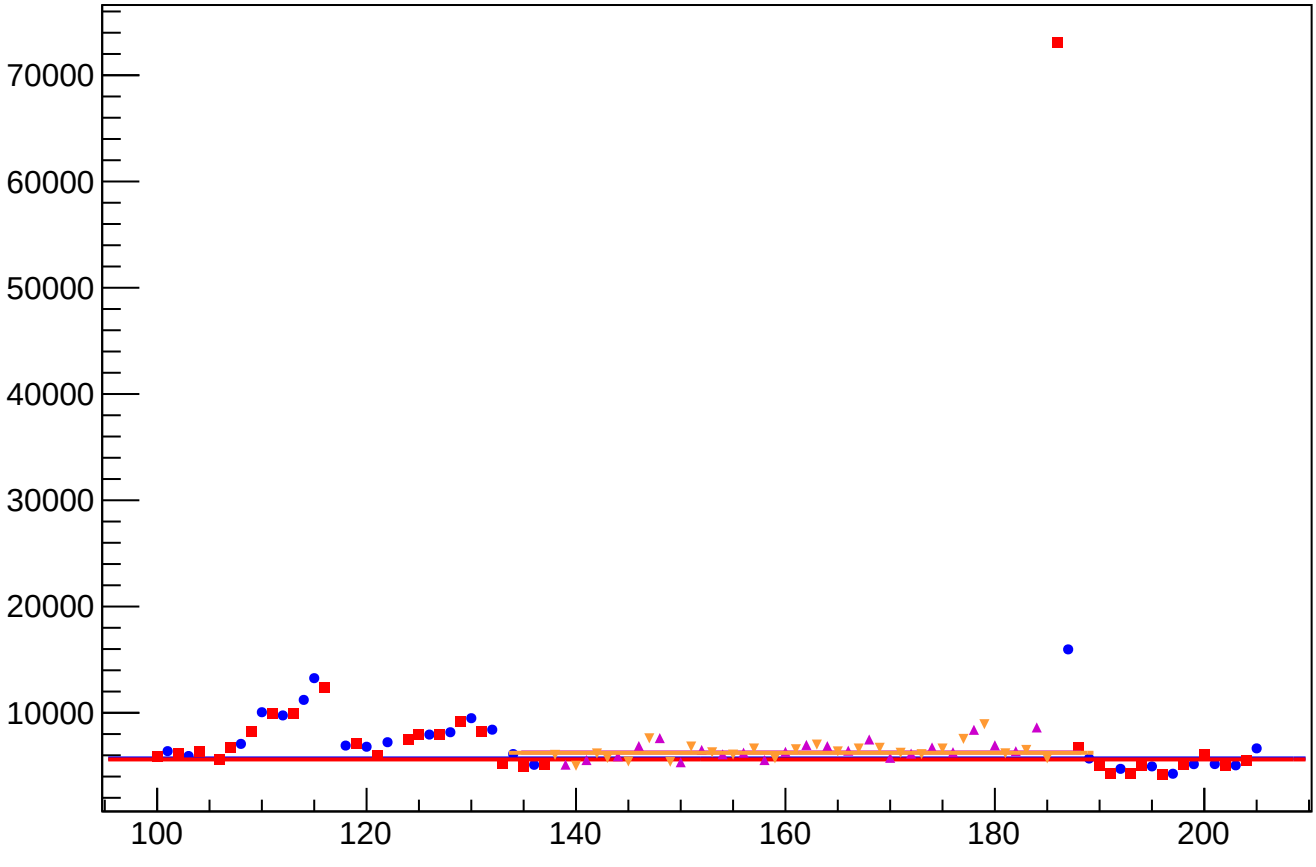
Right: -0.945+/-1.085 χ^2/NDF: 61.0/54

In: 0.445+/-1.080 χ^2/NDF:59.8/47

Out: 0.079+/-1.035 χ^2/NDF:57.4/54

All: 0.254+/-0.747 χ^2/NDF: 117.3/102

diff_bpm4ecY_rms vs Slug, Sign Corrected



Right In: 5707.515+/-1.115 χ^2/NDF: 1593384.0/24

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5610.600+/-1.057 χ^2/NDF: 2274434.5/29

Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

Left: 6252.609+/-0.729 χ^2/NDF: 1032485.9/47

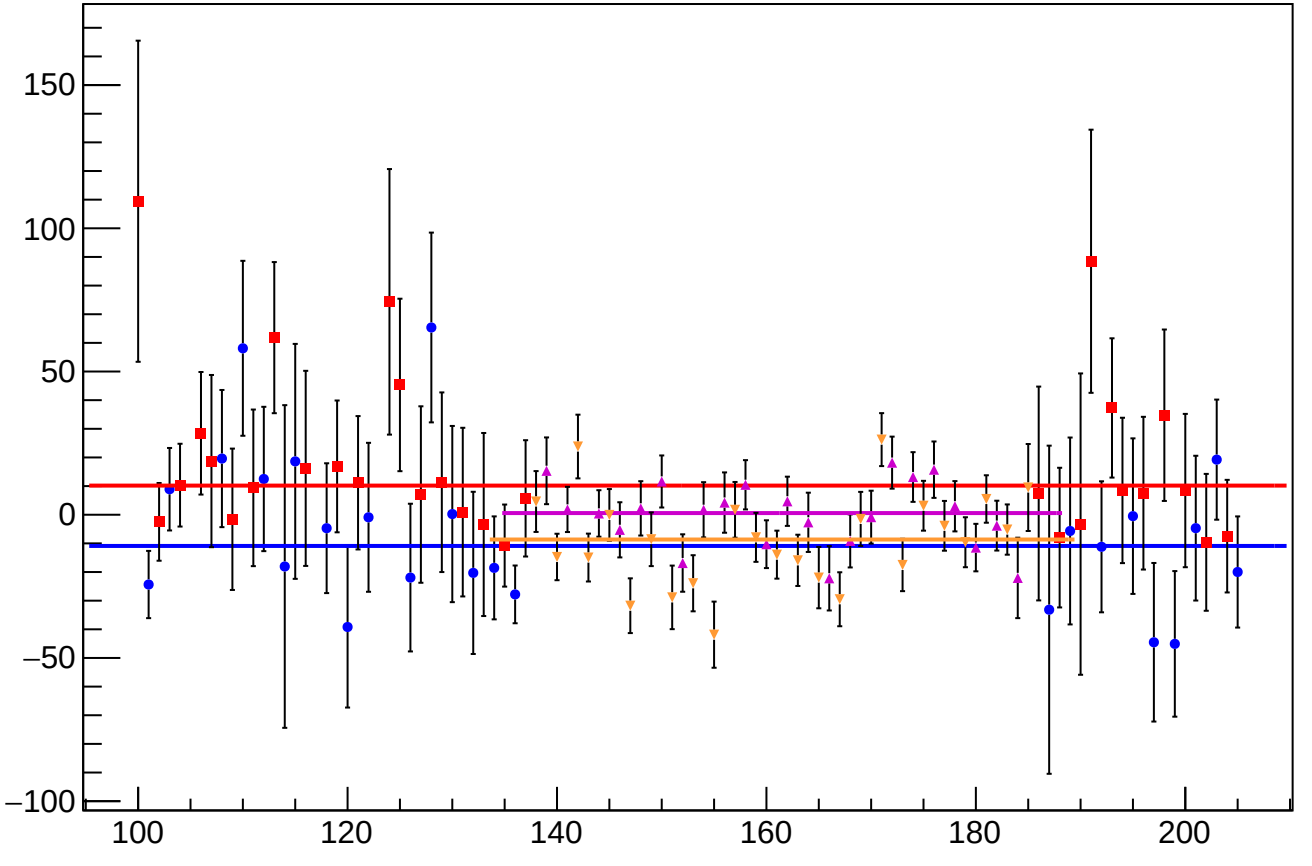
Right: 5656.496+/-0.767 χ^2/NDF: 3871797.3/54

In: 6005.249+/-0.763 χ^2/NDF:2252059.1/47

Out: 5937.211+/-0.732 χ^2/NDF:2965439.9/54

All: 5969.802+/-0.528 χ^2/NDF: 5221636.8/10

diff_bpm1X_mean vs Slug, Sign Corrected



Right In: -10.894+/-4.320 χ^2/NDF: 27.2/24

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: 10.175+/-4.443 χ^2/NDF: 21.7/29

Left In: 0.583+/-1.939 χ^2/NDF:28.5/22

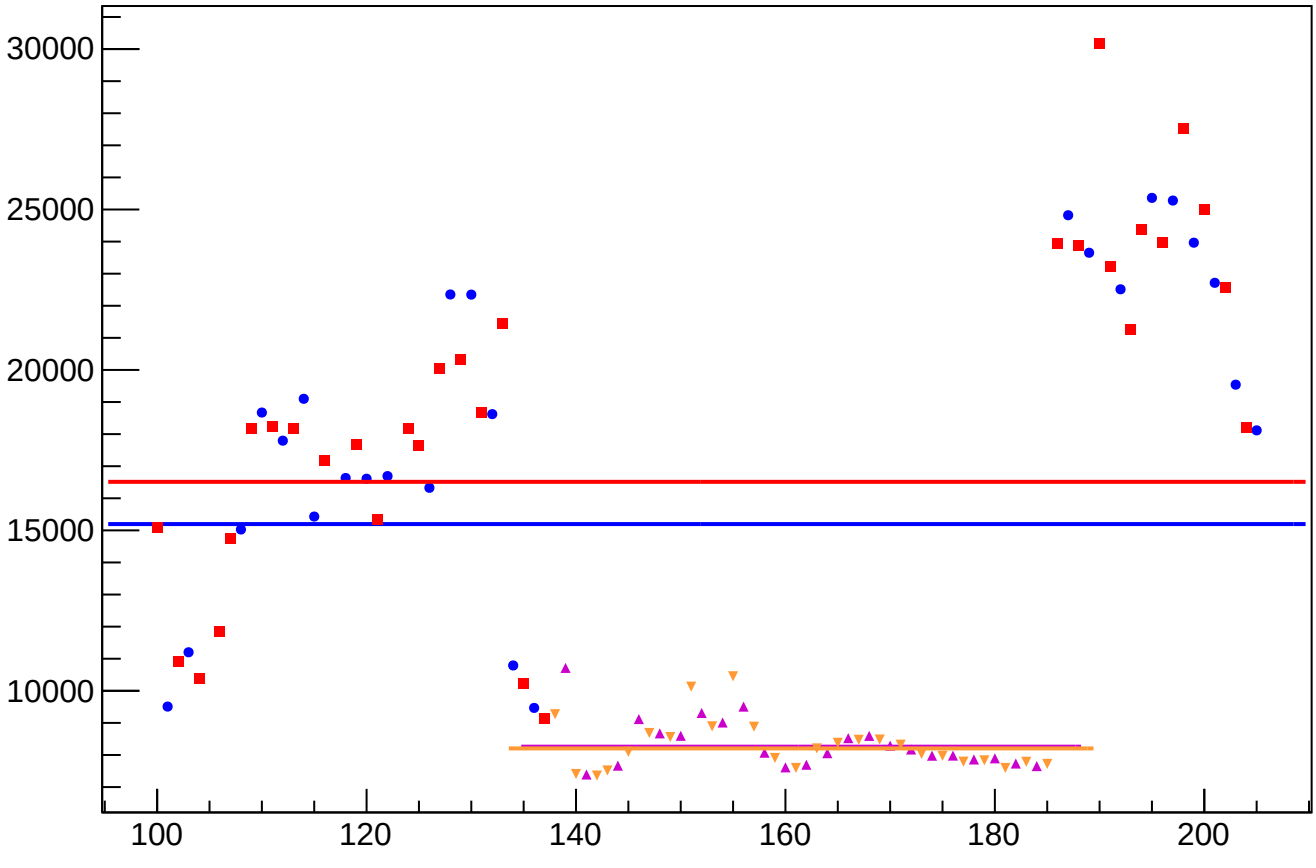
Left: -4.188+/-1.348 χ^2/NDF: 103.3/47

Right: -0.656+/-3.097 χ^2/NDF: 60.5/54

In: -1.341+/-1.769 χ^2/NDF:61.6/47

Out: -5.804+/-1.728 χ^2/NDF:100.0/54

All: -3.626+/-1.236 χ^2/NDF: 164.9/102



Right In: 15196.460+/-3.055 χ^2/NDF: 3188343.0/24

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16512.911+/-3.142 χ^2/NDF: 3088504.3/29

Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

Left: 8230.919+/-0.953 χ^2/NDF: 531113.9/47

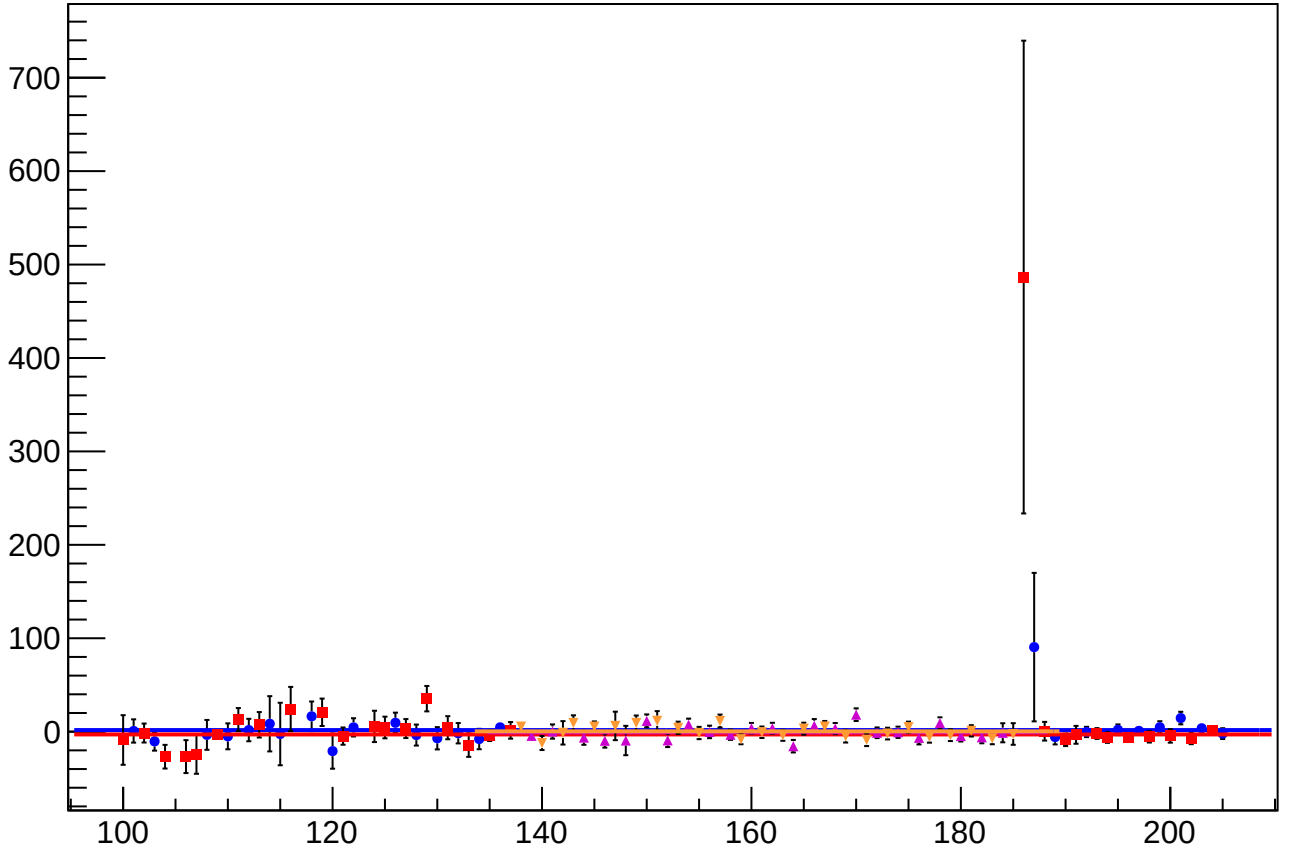
Right: 15836.172+/-2.190 χ^2/NDF: 6367106.5/54

In: 9422.312+/-1.251 χ^2/NDF:7738876.2/47

Out: 9460.557+/-1.222 χ^2/NDF:9297790.2/54

All: 9441.886+/-0.874 χ^2/NDF: 17037145.0/

diff_bpm1Y_mean vs Slug, Sign Corrected



Right In: 1.704+/-1.626 χ^2/NDF: 13.7/24

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: -2.958+/-1.512 χ^2/NDF: 29.8/29

Left In: -0.709+/-1.291 χ^2/NDF:29.9/22

Left: -0.191+/-0.924 χ^2/NDF: 51.7/47

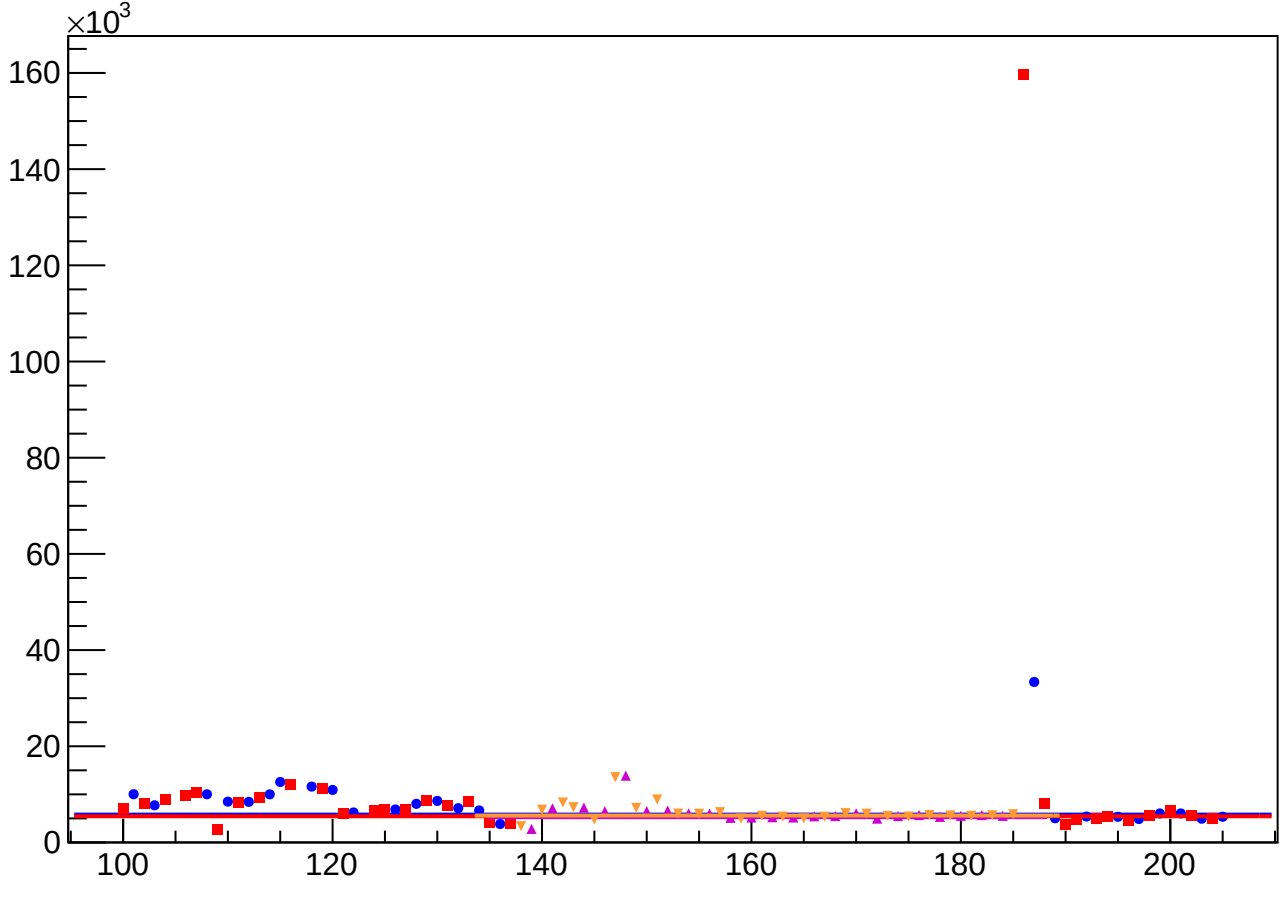
Right: -0.796+/-1.108 χ^2/NDF: 47.9/54

In: 0.224+/-1.011 χ^2/NDF:44.9/47

Out: -1.081+/-0.995 χ^2/NDF:54.1/54

All: -0.439+/-0.709 χ^2/NDF: 99.8/102

diff_bpm1Y_rms vs Slug, Sign Corrected



Right In: 5787.065+/-1.150 χ^2/NDF: 2286532.1/24

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5442.965+/-1.069 χ^2/NDF: 3750397.9/29

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

Left: 5424.765+/-0.653 χ^2/NDF: 4274340.6/47

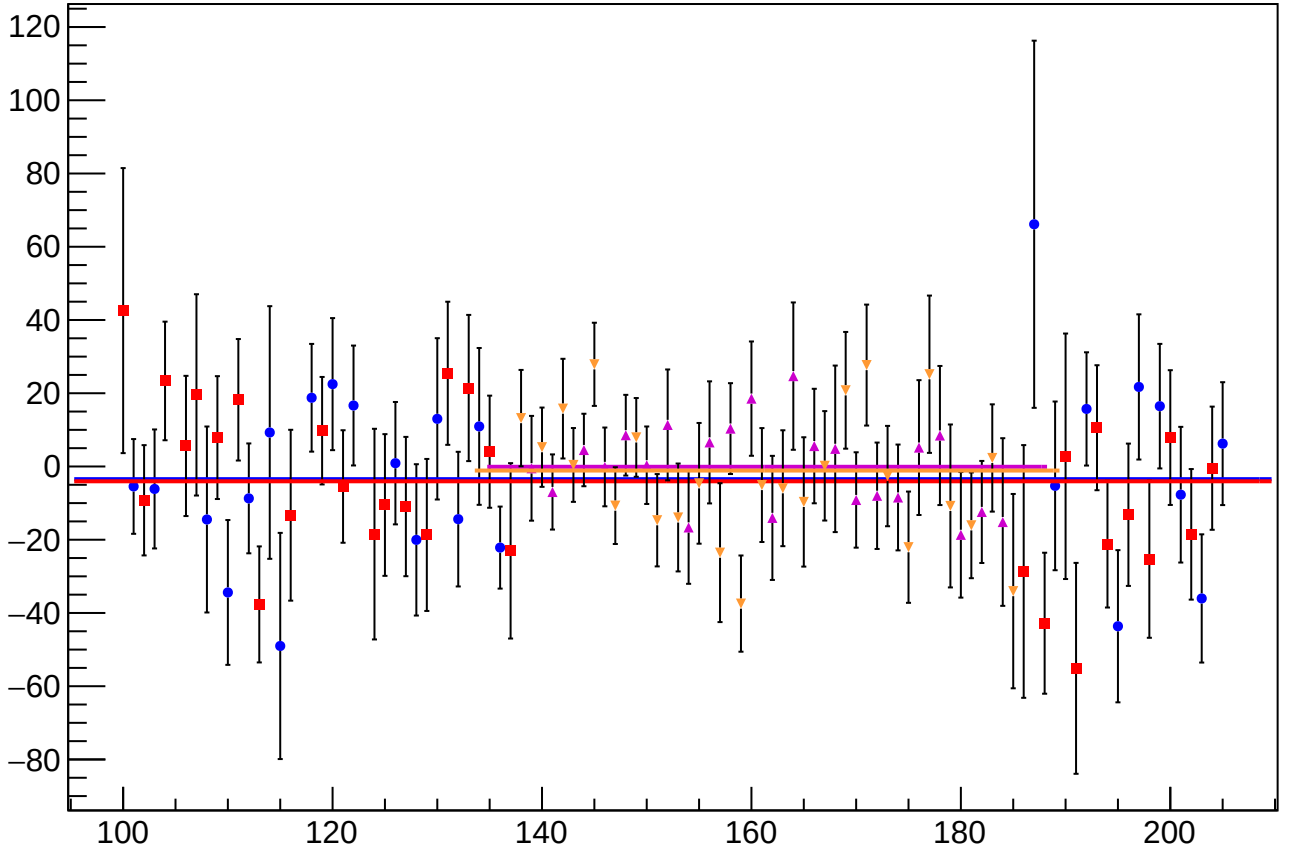
Right: 5602.560+/-0.783 χ^2/NDF: 6084941.3/54

In: 5465.475+/-0.715 χ^2/NDF:4839645.7/47

Out: 5528.894+/-0.704 χ^2/NDF:5546041.2/54

All: 5497.691+/-0.502 χ^2/NDF: 10389682.9/1

diff_bpm11X_mean vs Slug, Sign Corrected



Right In: -3.460+/-3.598 χ^2/NDF: 29.9/24

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: -4.046+/-3.497 χ^2/NDF: 30.9/29

Left In: -0.084+/-2.926 χ^2/NDF:11.5/22

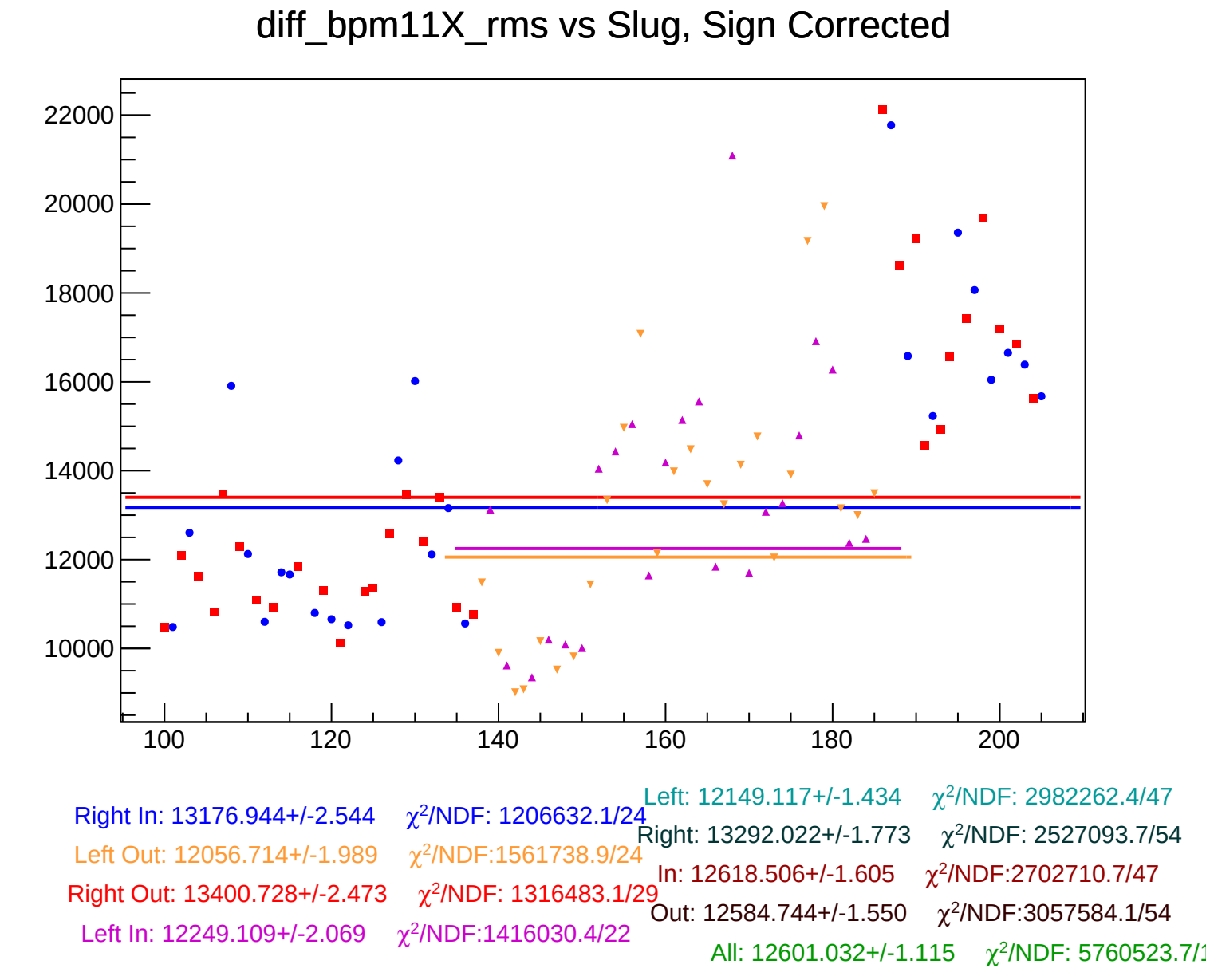
Left: -0.618+/-2.028 χ^2/NDF: 45.3/47

Right: -3.761+/-2.508 χ^2/NDF: 60.8/54

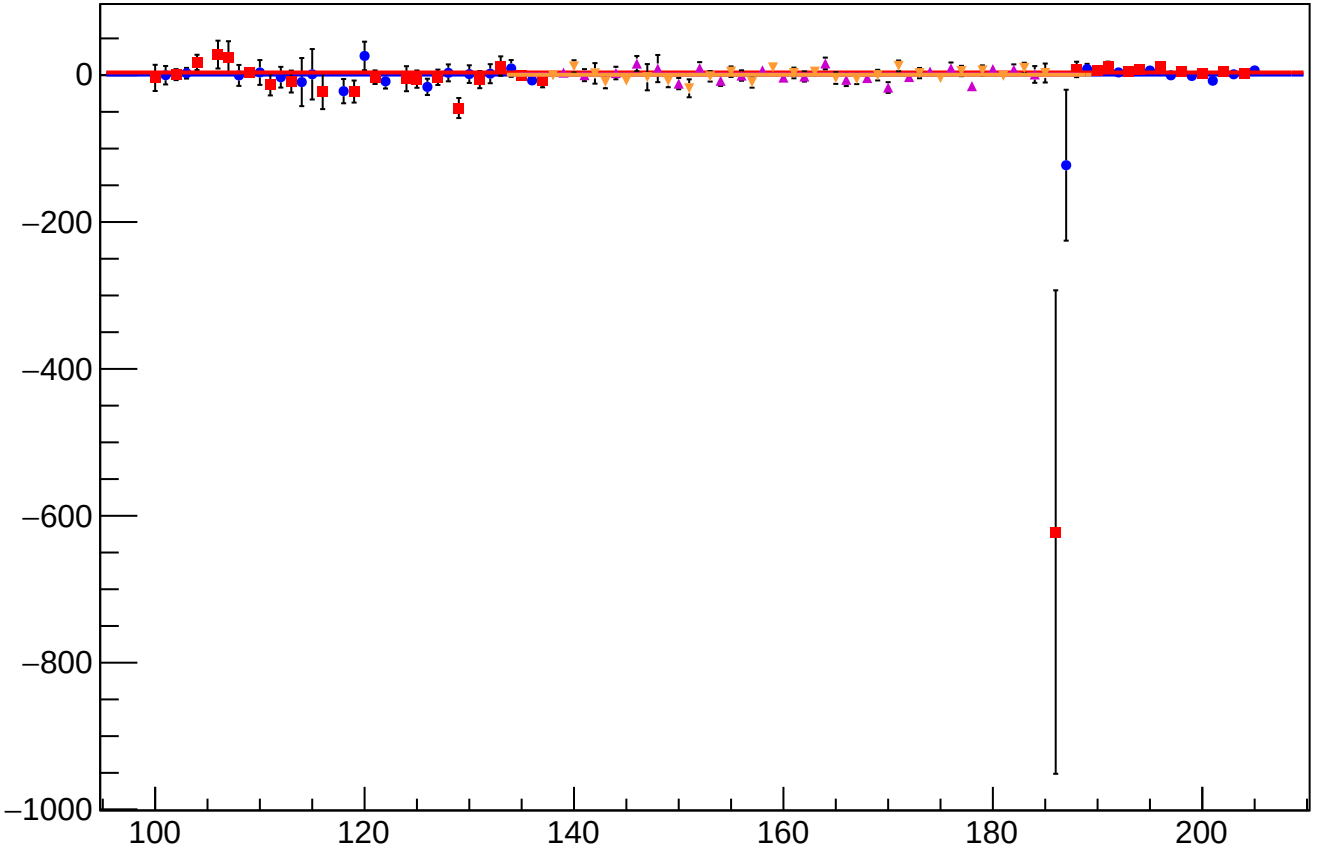
In: -1.428+/-2.270 χ^2/NDF:41.9/47

Out: -2.264+/-2.192 χ^2/NDF:65.1/54

All: -1.861+/-1.577 χ^2/NDF: 107.0/102


diff_bpm11X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
Right In: 13176.944+/-2.544 χ²/NDF: 1206632.1/24
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13400.728+/-2.473 χ²/NDF: 1316483.1/29
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
Left: 12149.117+/-1.434 χ²/NDF: 2982262.4/47
Right: 13292.022+/-1.773 χ²/NDF: 2527093.7/54
In: 12618.506+/-1.605 χ²/NDF:2702710.7/47
Out: 12584.744+/-1.550 χ²/NDF:3057584.1/54
All: 12601.032+/-1.115 χ²/NDF: 5760523.7/1

diff_bpm11Y_mean vs Slug, Sign Corrected



Right In: 0.764+/-1.409 χ^2/NDF: 19.7/24

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 3.600+/-1.342 χ^2/NDF: 36.7/29

Left In: 0.946+/-1.294 χ^2/NDF:32.2/22

Left: 0.748+/-0.940 χ^2/NDF: 53.7/47

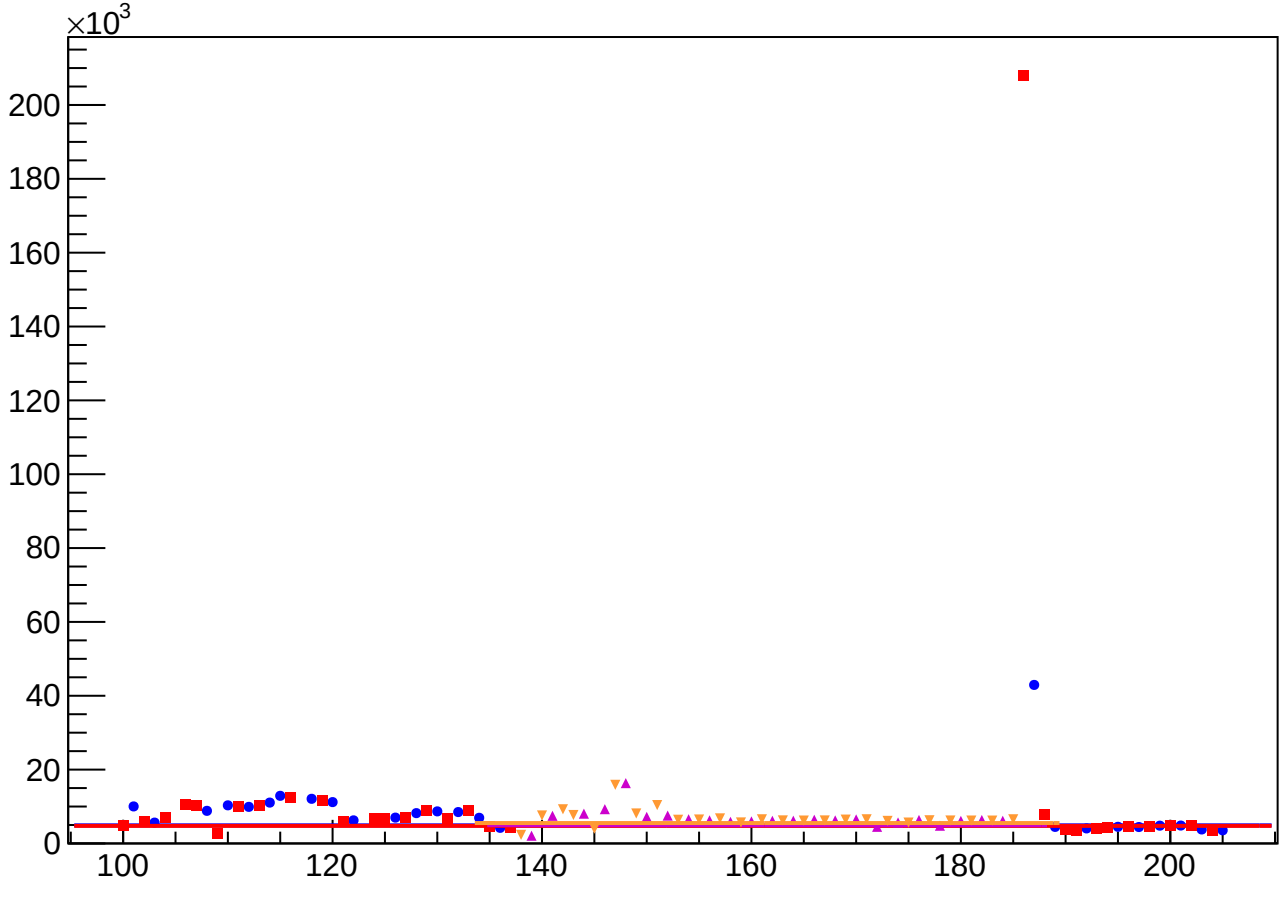
Right: 2.250+/-0.972 χ^2/NDF: 58.6/54

In: 0.863+/-0.953 χ^2/NDF:51.9/47

Out: 2.093+/-0.958 χ^2/NDF:60.7/54

All: 1.474+/-0.676 χ^2/NDF: 113.5/102

diff_bpm11Y_rms vs Slug, Sign Corrected



Right In: 4903.918+/-0.996 χ^2/NDF: 3251321.7/24

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4760.001+/-0.949 χ^2/NDF: 3950631.8/29

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

Left: 5218.619+/-0.665 χ^2/NDF: 10505353.1/47

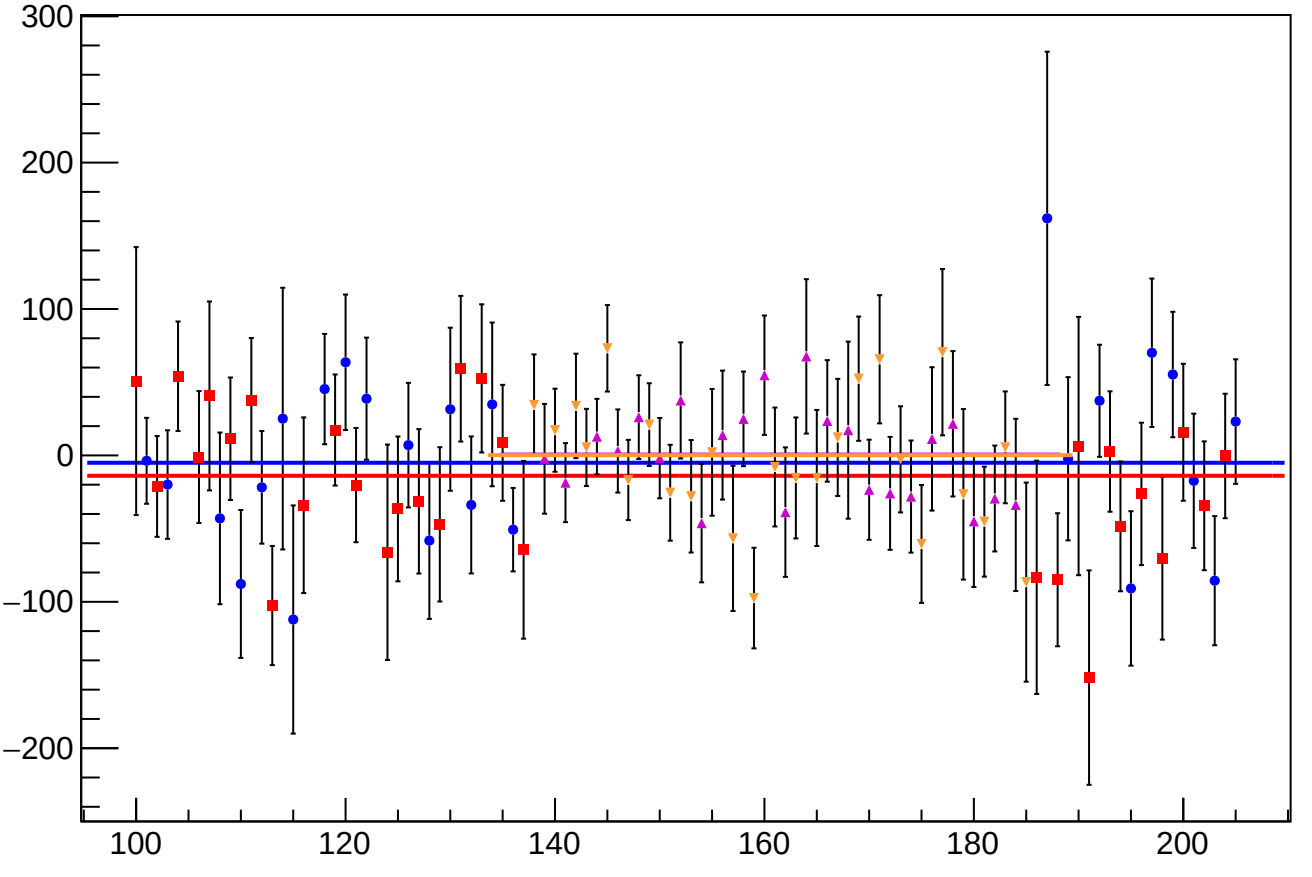
Right: 4828.488+/-0.687 χ^2/NDF: 7212892.2/54

In: 4924.566+/-0.674 χ^2/NDF:9188222.1/47

Out: 5136.539+/-0.678 χ^2/NDF:8647275.5/54

All: 5029.968+/-0.478 χ^2/NDF: 17884685.1/

diff_bpm12X_mean vs Slug, Sign Corrected



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: -13.909+/-8.713 χ^2/NDF: 27.6/29

Left In: 0.586+/-7.667 χ^2/NDF:12.8/22

Left: 0.369+/-5.315 χ^2/NDF: 43.9/47

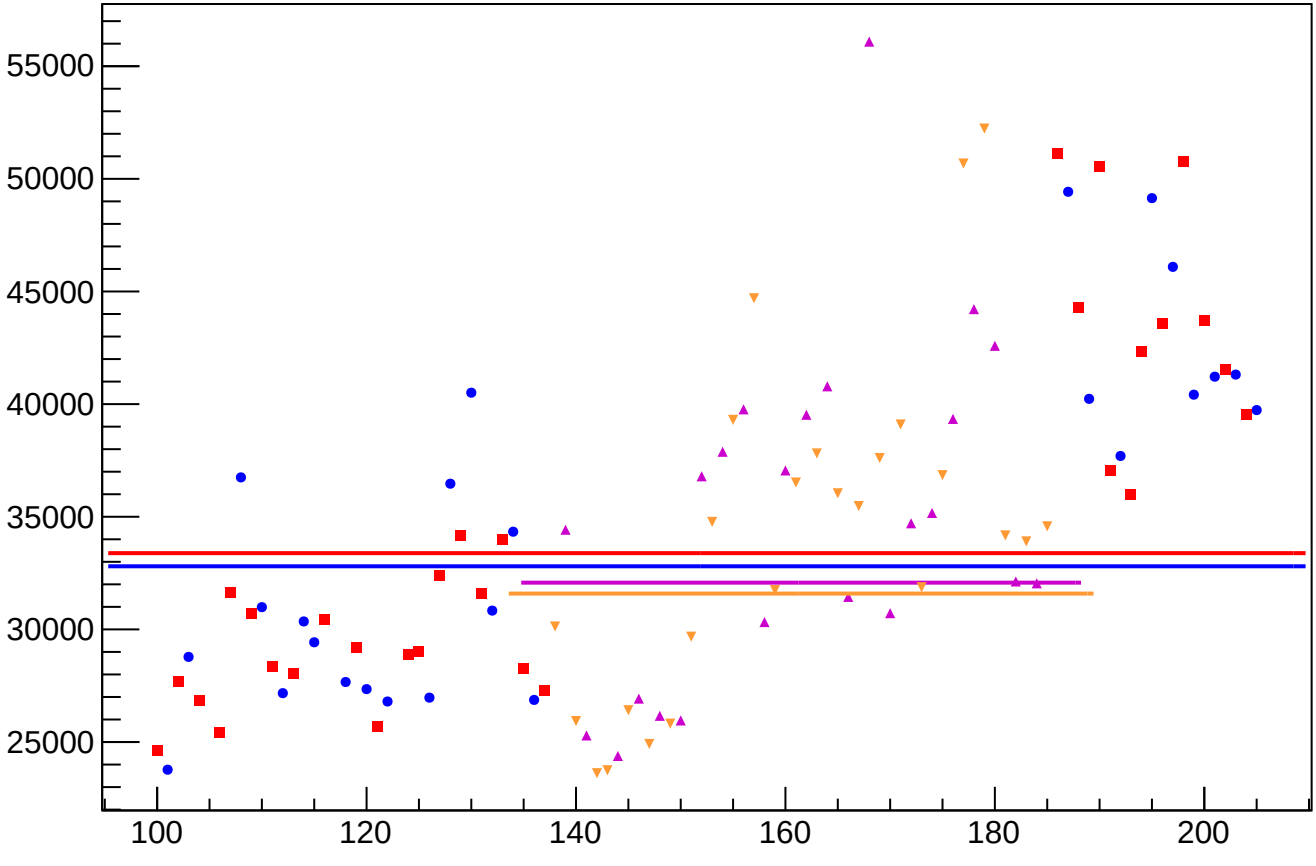
Right: -9.591+/-6.249 χ^2/NDF: 57.6/54

In: -1.780+/-5.828 χ^2/NDF:42.6/47

Out: -5.707+/-5.629 χ^2/NDF:60.2/54

All: -3.812+/-4.049 χ^2/NDF: 103.0/102

diff_bpm12X_rms vs Slug, Sign Corrected



Right In: 32801.373+/-6.342 χ^2/NDF: 1254625.7/24

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33385.159+/-6.161 χ^2/NDF: 1331142.4/29

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

Left: 31823.038+/-3.758 χ^2/NDF: 3050743.5/47

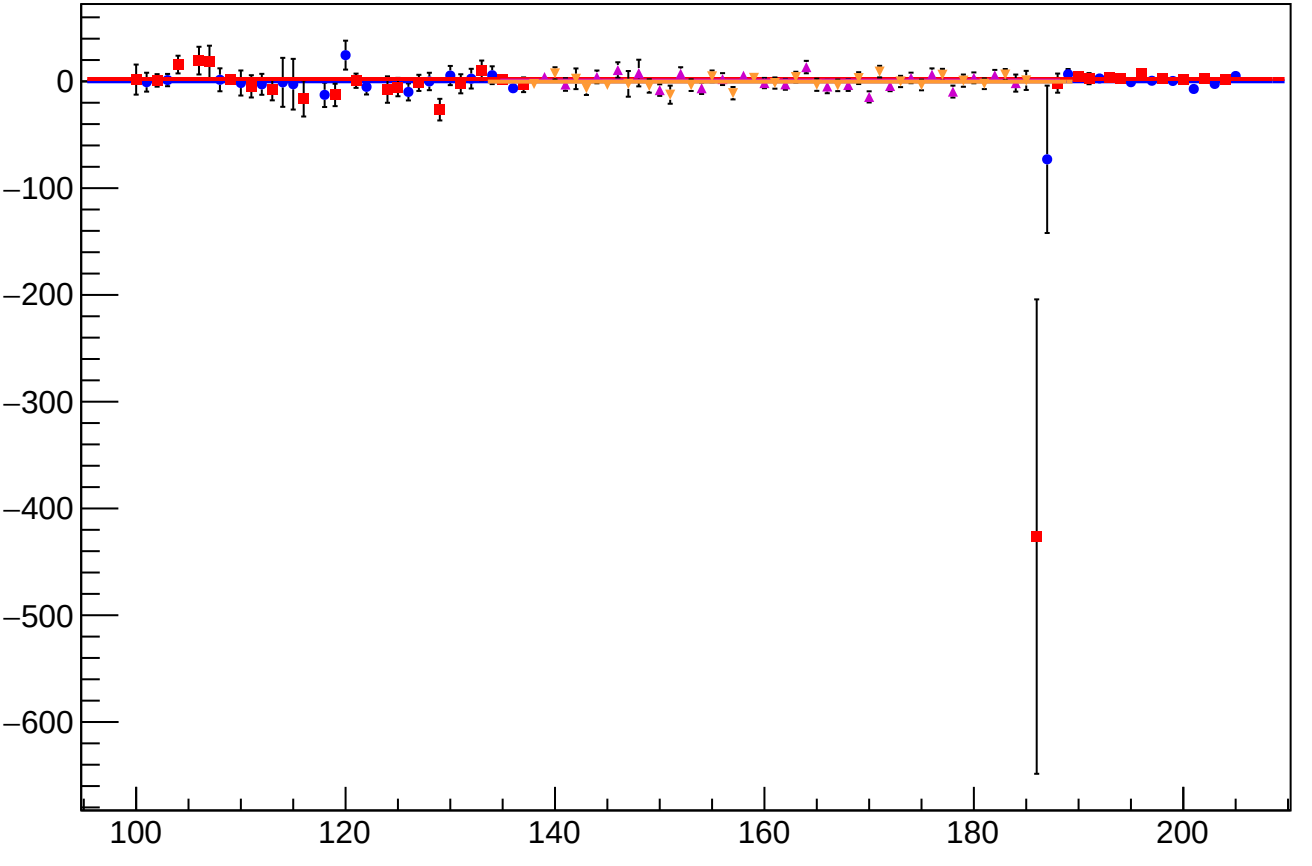
Right: 33101.676+/-4.419 χ^2/NDF: 2590127.5/54

In: 32381.755+/-4.121 χ^2/NDF:2717918.7/47

Out: 32339.141+/-3.980 χ^2/NDF:2971478.5/54

All: 32359.710+/-2.863 χ^2/NDF: 5689452.6/1

diff_bpm12Y_mean vs Slug, Sign Corrected



Right In: 0.097+/-0.909 χ^2/NDF: 26.6/24

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 2.241+/-0.927 χ^2/NDF: 29.1/29

Left In: 0.788+/-1.061 χ^2/NDF:33.8/22

Left: 0.297+/-0.761 χ^2/NDF: 54.1/47

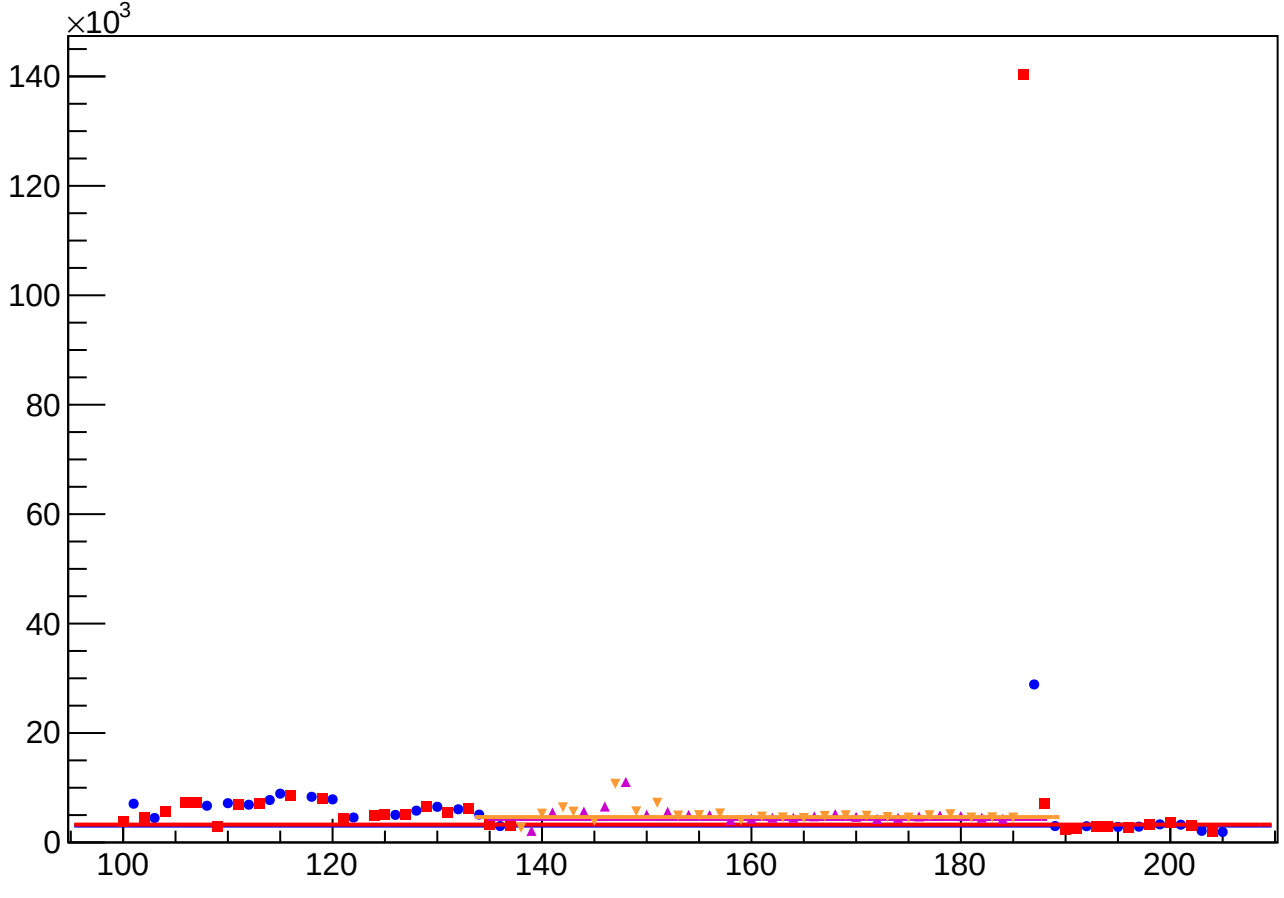
Right: 1.149+/-0.649 χ^2/NDF: 58.5/54

In: 0.390+/-0.690 χ^2/NDF:60.7/47

Out: 1.210+/-0.707 χ^2/NDF:51.9/54

All: 0.790+/-0.494 χ^2/NDF: 113.3/102

diff_bpm12Y_rms vs Slug, Sign Corrected



Right In: 3080.706+/-0.643 χ^2/NDF: 4530129.8/24

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3263.545+/-0.655 χ^2/NDF: 4691806.2/29

Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

Left: 4460.947+/-0.538 χ^2/NDF: 4959666.2/47

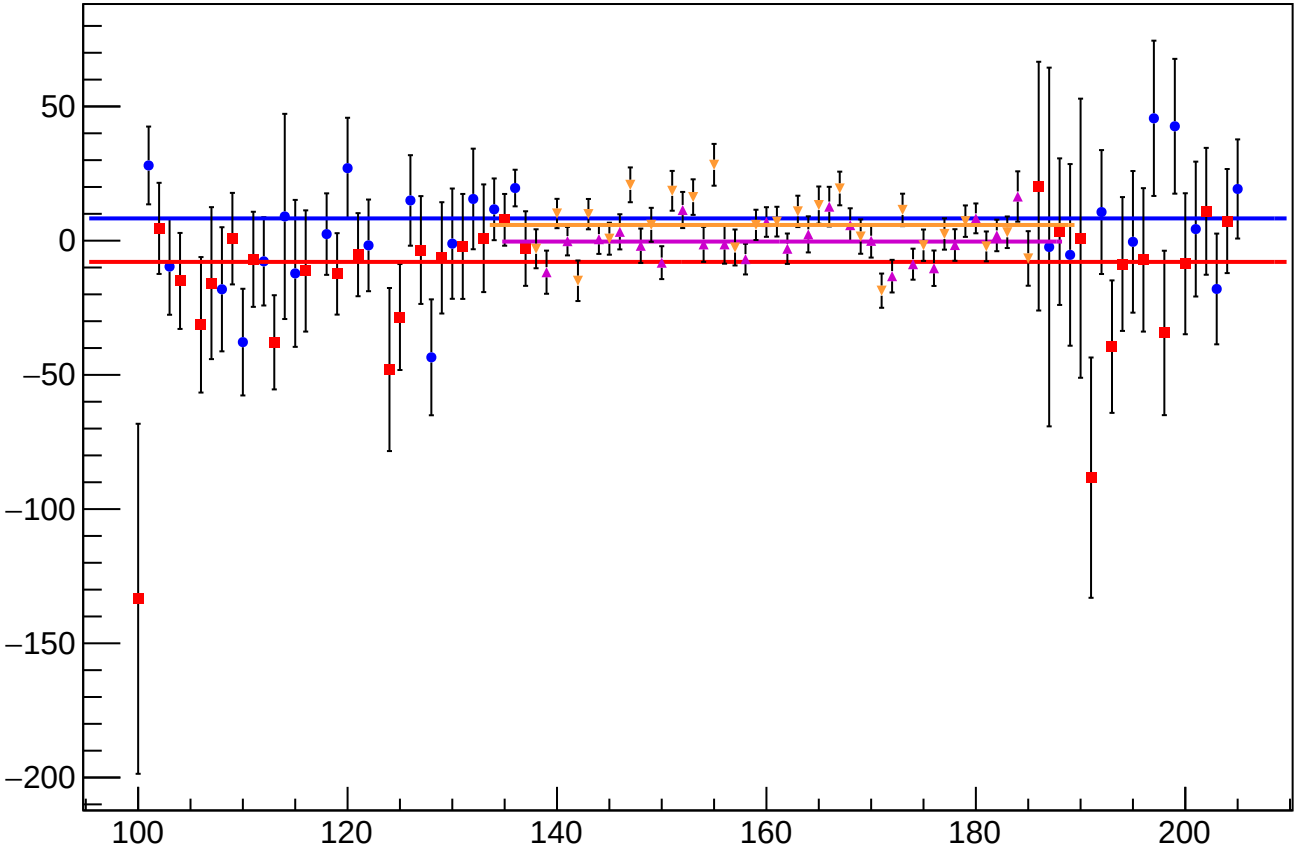
Right: 3170.395+/-0.459 χ^2/NDF: 9261598.7/54

In: 3595.179+/-0.488 χ^2/NDF:9136822.8/47

Out: 3837.559+/-0.500 χ^2/NDF:8291434.6/54

All: 3713.464+/-0.349 χ^2/NDF: 17548573.0/

diff_bpm16X_mean vs Slug, Sign Corrected



Right In: 8.293+/-3.480 χ^2/NDF: 27.5/24

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: -7.912+/-3.681 χ^2/NDF: 22.0/29

Left In: -0.337+/-1.301 χ^2/NDF:29.4/22

Left: 2.861+/-0.904 χ^2/NDF: 101.1/47

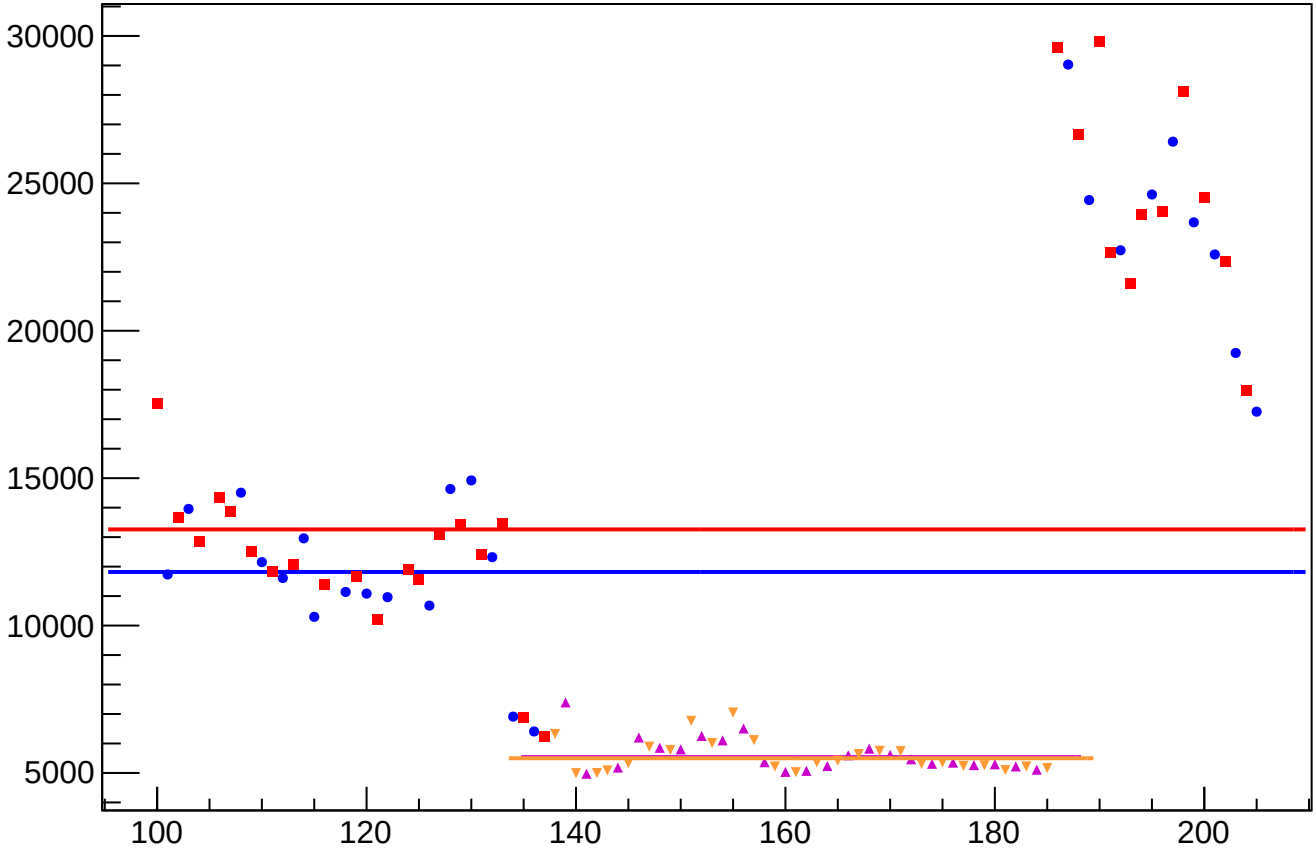
Right: 0.646+/-2.529 χ^2/NDF: 59.7/54

In: 0.721+/-1.218 χ^2/NDF:62.2/47

Out: 4.411+/-1.190 χ^2/NDF:94.6/54

All: 2.610+/-0.851 χ^2/NDF: 161.5/102

diff_bpm16X_rms vs Slug, Sign Corrected



Right In: 11818.370+/-2.460 χ^2/NDF: 4874204.5/24

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 13261.693+/-2.603 χ^2/NDF: 4759068.3/29

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

Left: 5517.842+/-0.639 χ^2/NDF: 602690.2/47

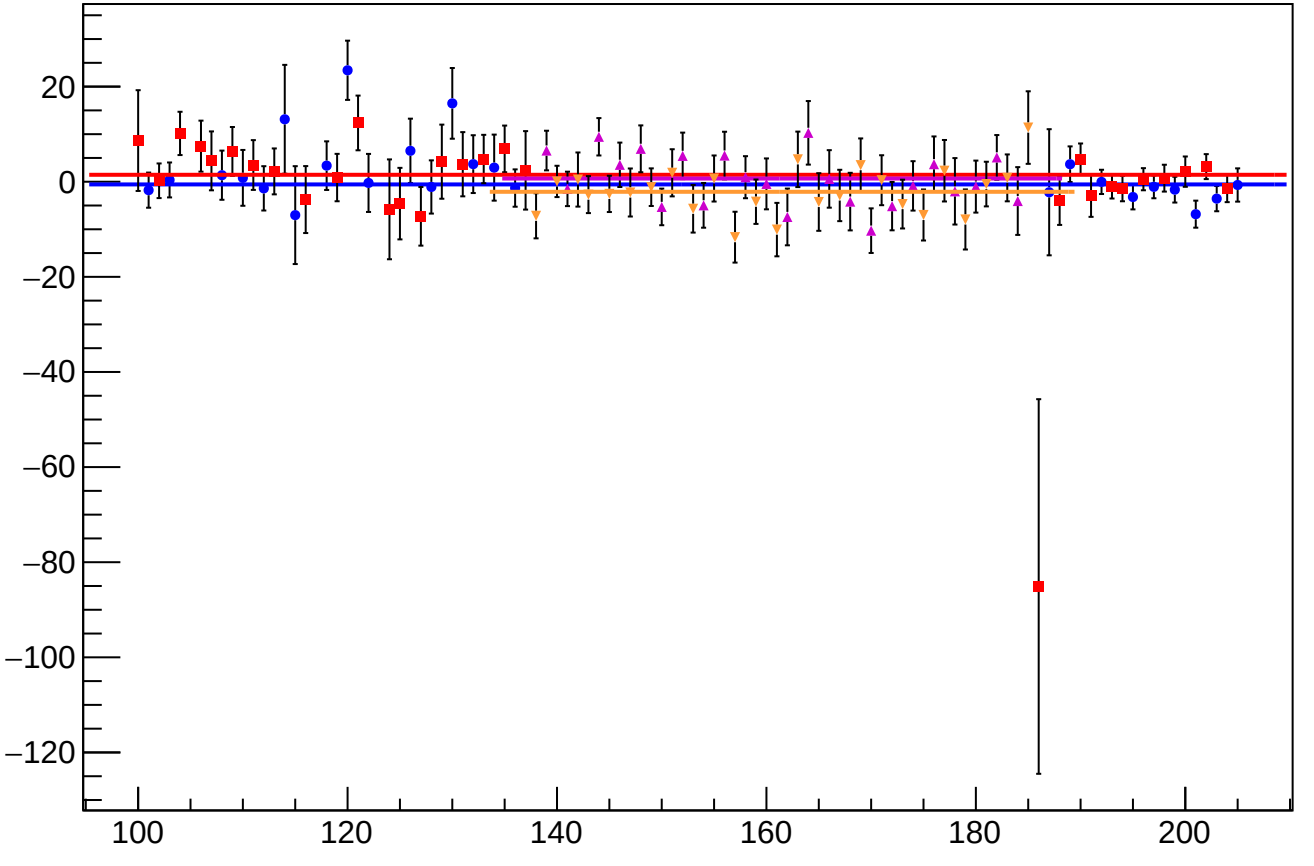
Right: 12499.474+/-1.788 χ^2/NDF: 9795664.5/54

In: 6307.892+/-0.862 χ^2/NDF:10895379.8/47

Out: 6310.377+/-0.841 χ^2/NDF:13021830.3/54

All: 6309.164+/-0.602 χ^2/NDF: 23917214.3/

diff_bpm16Y_mean vs Slug, Sign Corrected



Right In: -0.566+/-0.793 χ^2/NDF: 33.5/24

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: 1.459+/-0.759 χ^2/NDF: 27.7/29

Left In: 0.670+/-1.031 χ^2/NDF:28.4/22

Left: -0.783+/-0.713 χ^2/NDF: 49.6/47

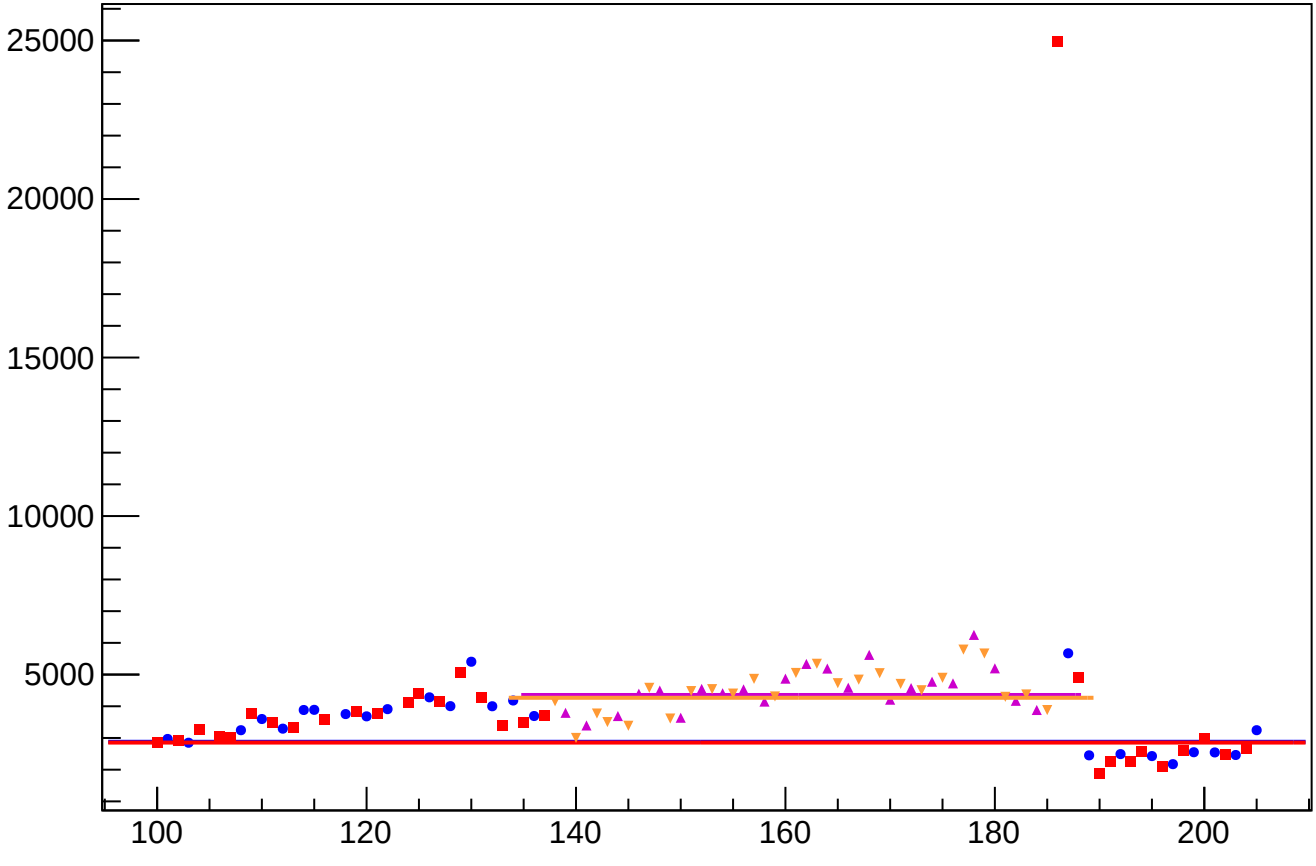
Right: 0.491+/-0.549 χ^2/NDF: 64.6/54

In: -0.106+/-0.629 χ^2/NDF:62.8/47

Out: 0.130+/-0.602 χ^2/NDF:53.4/54

All: 0.017+/-0.435 χ^2/NDF: 116.3/102

diff_bpm16Y_rms vs Slug, Sign Corrected



Right In: 2879.631+/-0.561 χ^2/NDF: 1384782.5/24

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2855.028+/-0.537 χ^2/NDF: 2415020.2/29

Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

Left: 4309.839+/-0.504 χ^2/NDF: 1785408.9/47

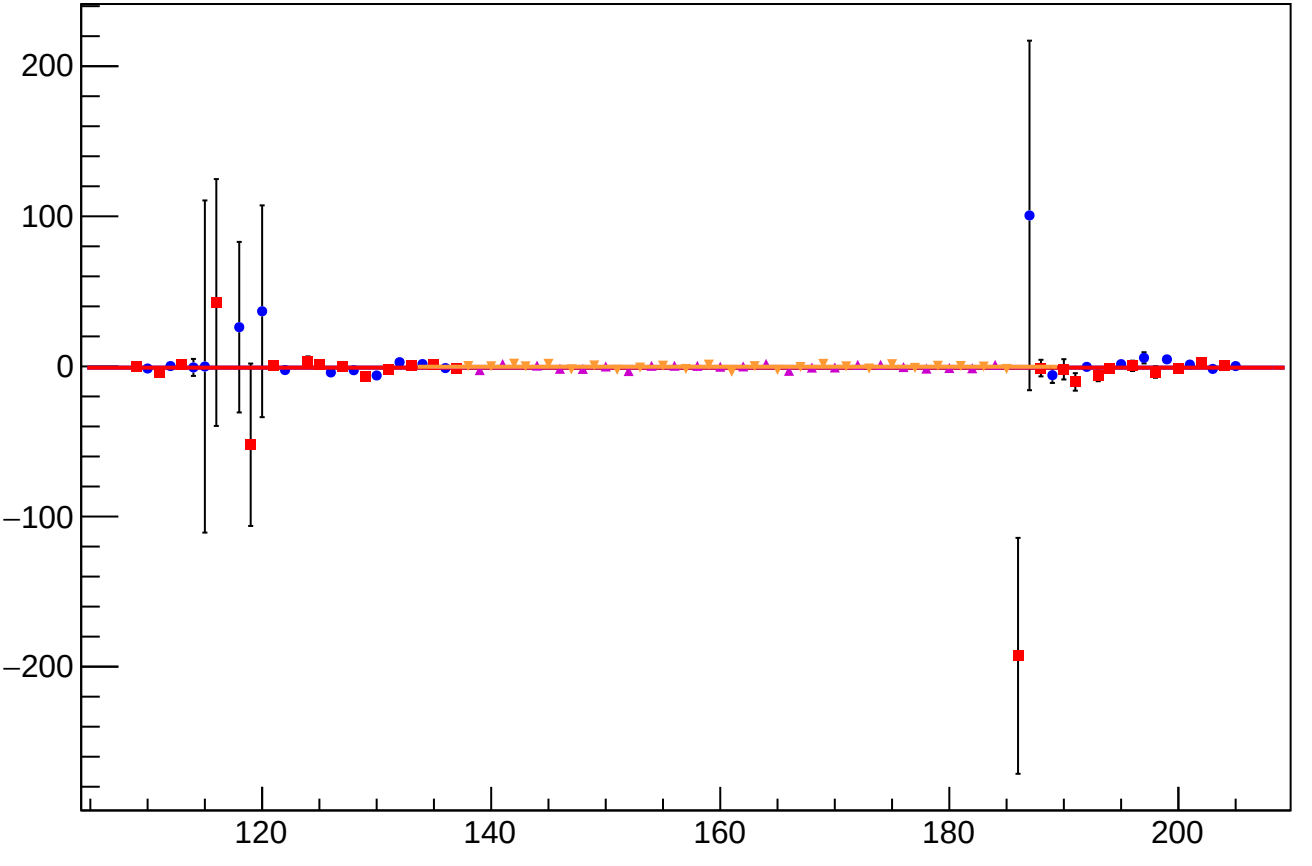
Right: 2866.790+/-0.388 χ^2/NDF: 3800806.4/54

In: 3428.805+/-0.445 χ^2/NDF:4703430.2/47

Out: 3380.089+/-0.426 χ^2/NDF:6022236.1/54

All: 3403.385+/-0.307 χ^2/NDF: 10731931.1/1

diff_bpm1p02bX_mean vs Slug, Sign Corrected



Right In: -0.805+/-0.611 χ^2/NDF: 20.9/21

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: -0.821+/-0.608 χ^2/NDF: 26.1/24

Left In: -0.333+/-0.242 χ^2/NDF:29.4/22

Left: -0.265+/-0.169 χ^2/NDF: 63.5/47

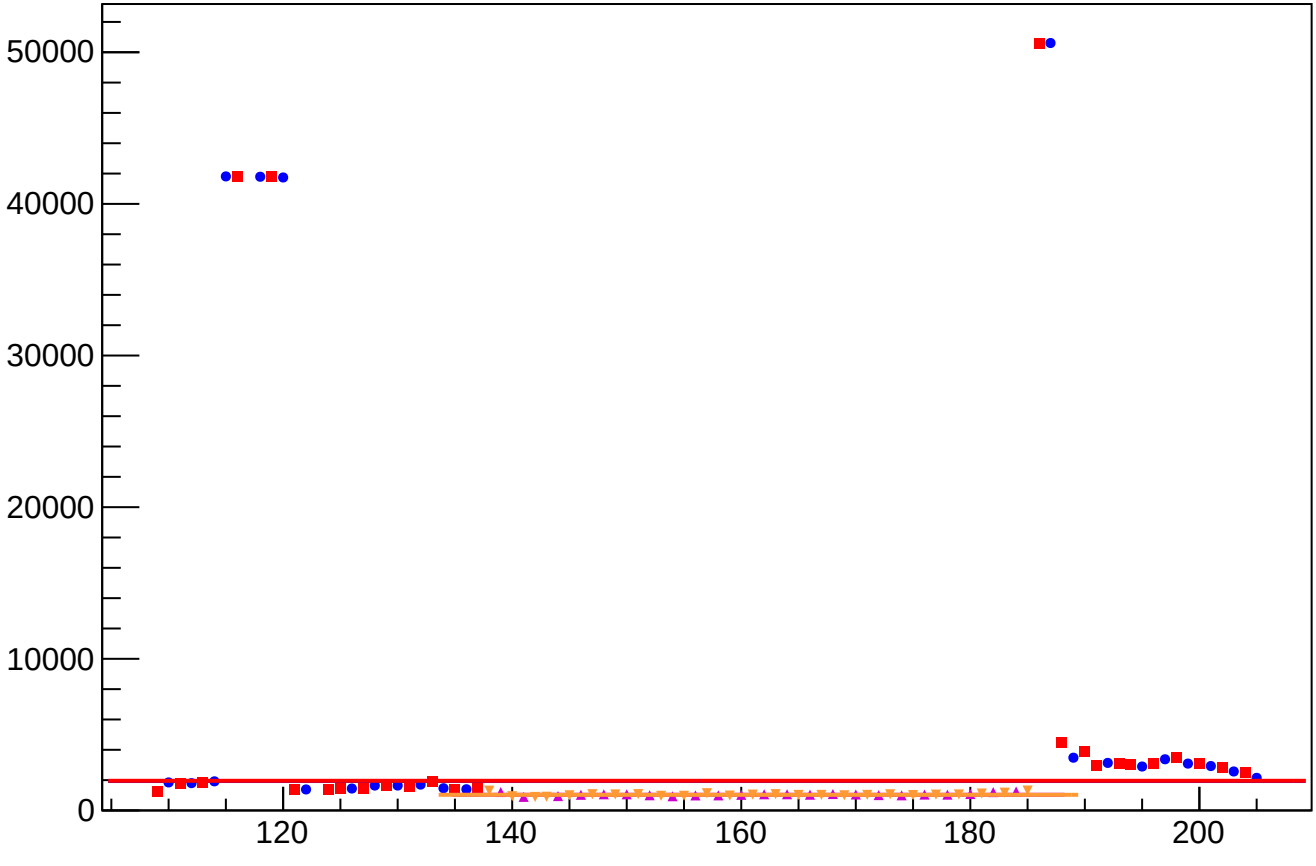
Right: -0.813+/-0.431 χ^2/NDF: 47.0/46

In: -0.397+/-0.225 χ^2/NDF:50.9/44

Out: -0.282+/-0.220 χ^2/NDF:60.9/49

All: -0.338+/-0.157 χ^2/NDF: 111.9/94

diff_bpm1p02bX_rms vs Slug, Sign Corrected



Right In: 1940.978+/-0.432 χ^2/NDF: 4386487.4/21

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1955.530+/-0.430 χ^2/NDF: 5346937.7/24

Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

Left: 1032.077+/-0.119 χ^2/NDF: 431270.7/47

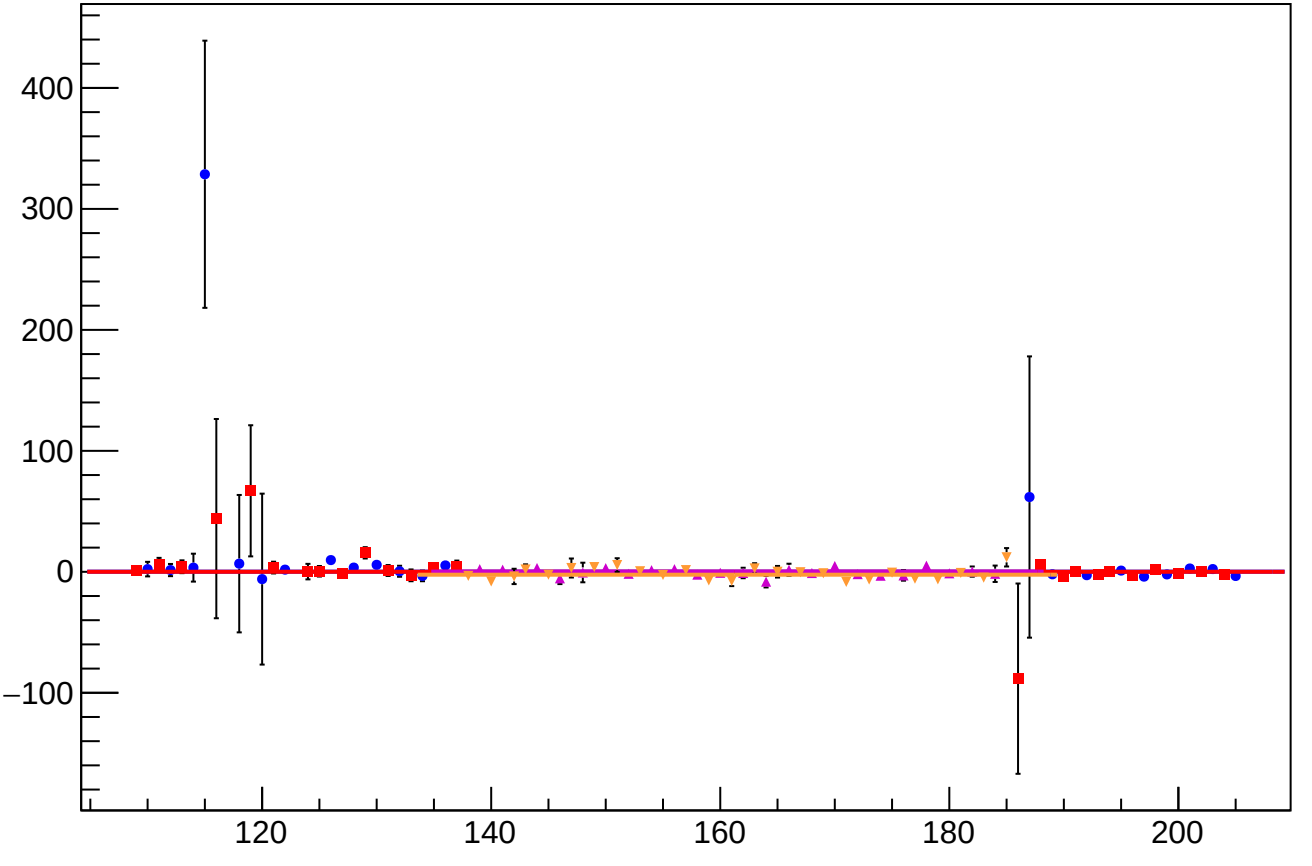
Right: 1948.287+/-0.305 χ^2/NDF: 9733994.5/46

In: 1155.951+/-0.159 χ^2/NDF:8391105.2/44

Out: 1151.870+/-0.155 χ^2/NDF:9602986.1/49

All: 1153.860+/-0.111 χ^2/NDF: 17994428.2/9

diff_bpm1p02bY_mean vs Slug, Sign Corrected



Right In: 0.129+/-0.614 χ^2/NDF: 40.2/21

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: 0.042+/-0.630 χ^2/NDF: 29.9/24

Left In: 0.171+/-0.810 χ^2/NDF:12.6/22

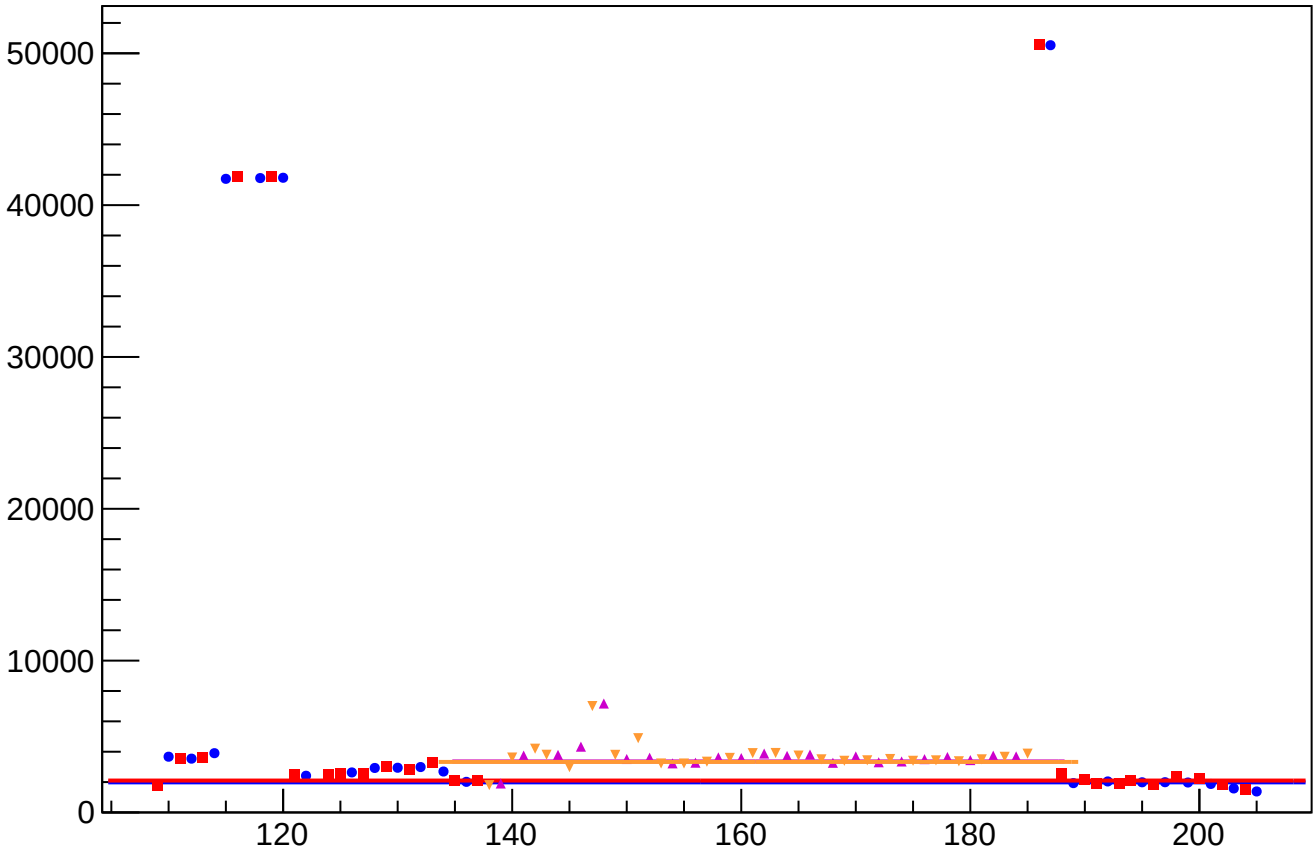
Left: -1.149+/-0.563 χ^2/NDF: 42.1/47

Right: 0.087+/-0.440 χ^2/NDF: 70.1/46

In: 0.145+/-0.489 χ^2/NDF:52.8/44

Out: -0.912+/-0.491 χ^2/NDF:60.1/49

All: -0.382+/-0.346 χ^2/NDF: 115.2/94



Right In: 1981.947+/-0.434 χ^2/NDF: 3523256.7/21

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 2101.457+/-0.446 χ^2/NDF: 3389607.2/24

Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

Left: 3343.963+/-0.398 χ^2/NDF: 3566638.9/47

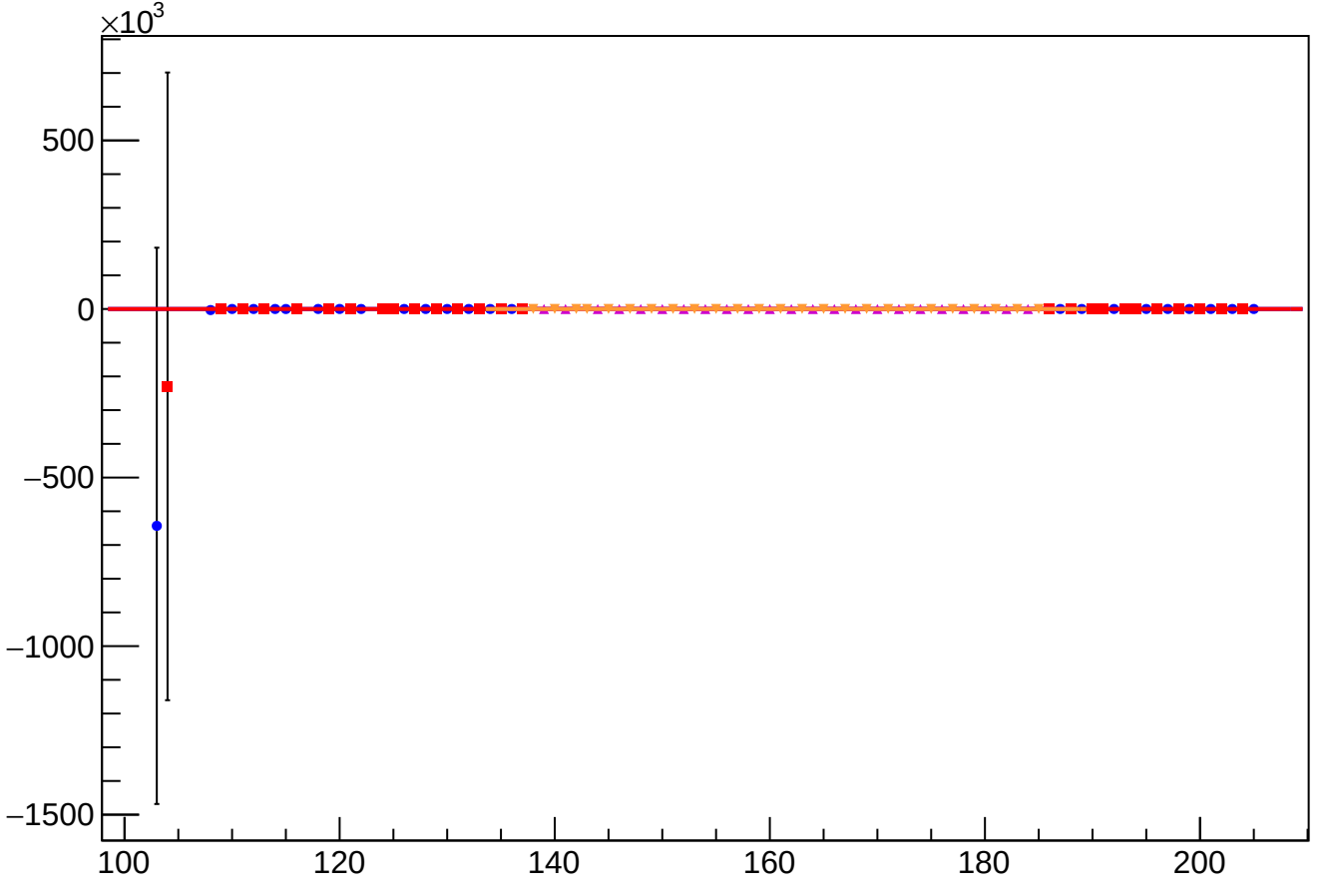
Right: 2040.094+/-0.311 χ^2/NDF: 6949788.2/46

In: 2484.915+/-0.346 χ^2/NDF:8857681.7/44

Out: 2584.470+/-0.347 χ^2/NDF:8288713.4/49

All: 2534.513+/-0.245 χ^2/NDF: 17187698.4/9

diff_bpm1p03aX_mean vs Slug, Sign Corrected



Right In: -1.018+/-0.649 χ^2/NDF: 26.5/23

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: 1.634+/-0.651 χ^2/NDF: 24.5/25

Left In: -0.018+/-0.374 χ^2/NDF:27.3/22

Left: -0.819+/-0.261 χ^2/NDF: 86.5/47

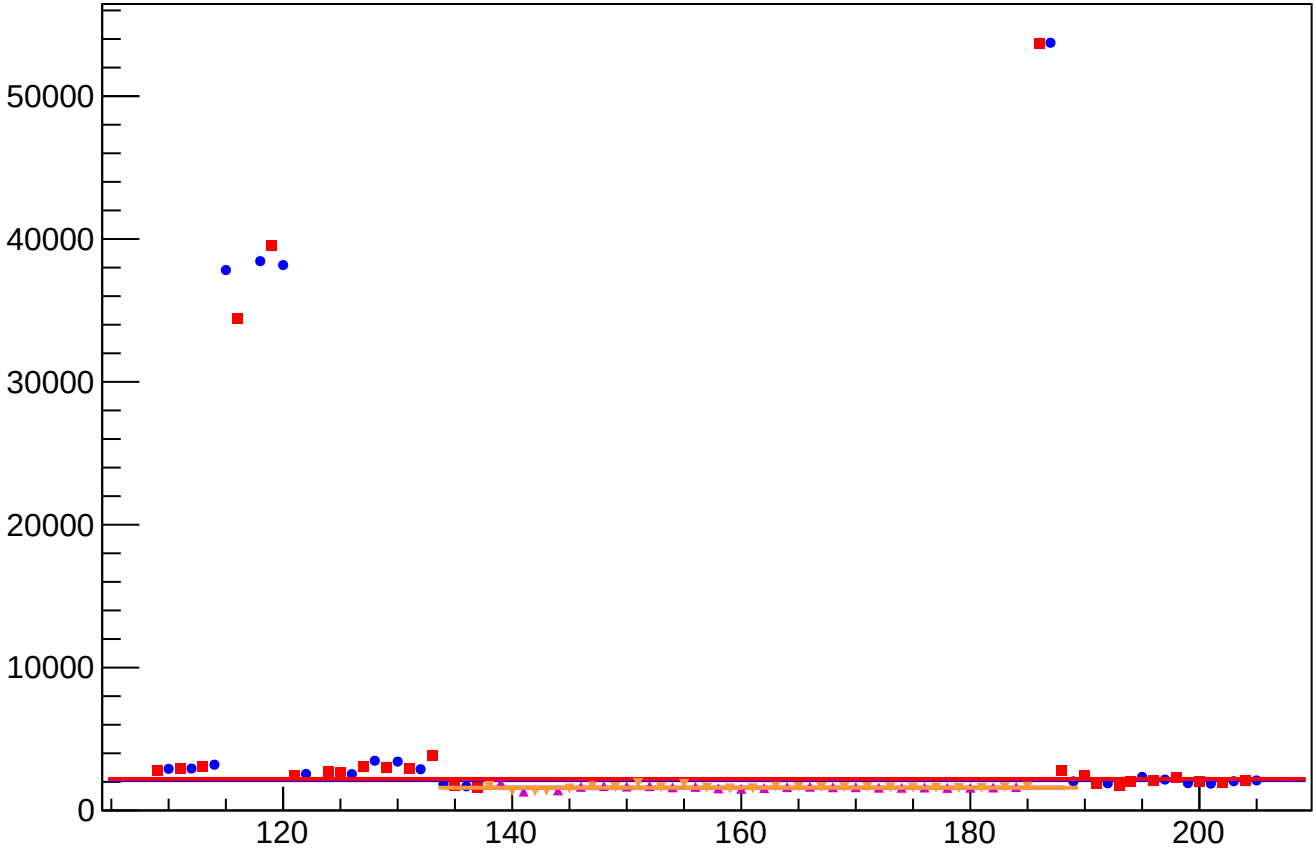
Right: 0.304+/-0.460 χ^2/NDF: 59.3/49

In: -0.267+/-0.324 χ^2/NDF:55.6/46

Out: -0.813+/-0.317 χ^2/NDF:93.2/50

All: -0.546+/-0.227 χ^2/NDF: 150.3/97

diff_bpm1p03aX_rms vs Slug, Sign Corrected



Right In: 2124.370+/-0.459 χ^2/NDF: 2968403.0/21

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2204.720+/-0.460 χ^2/NDF: 3216896.4/24

Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

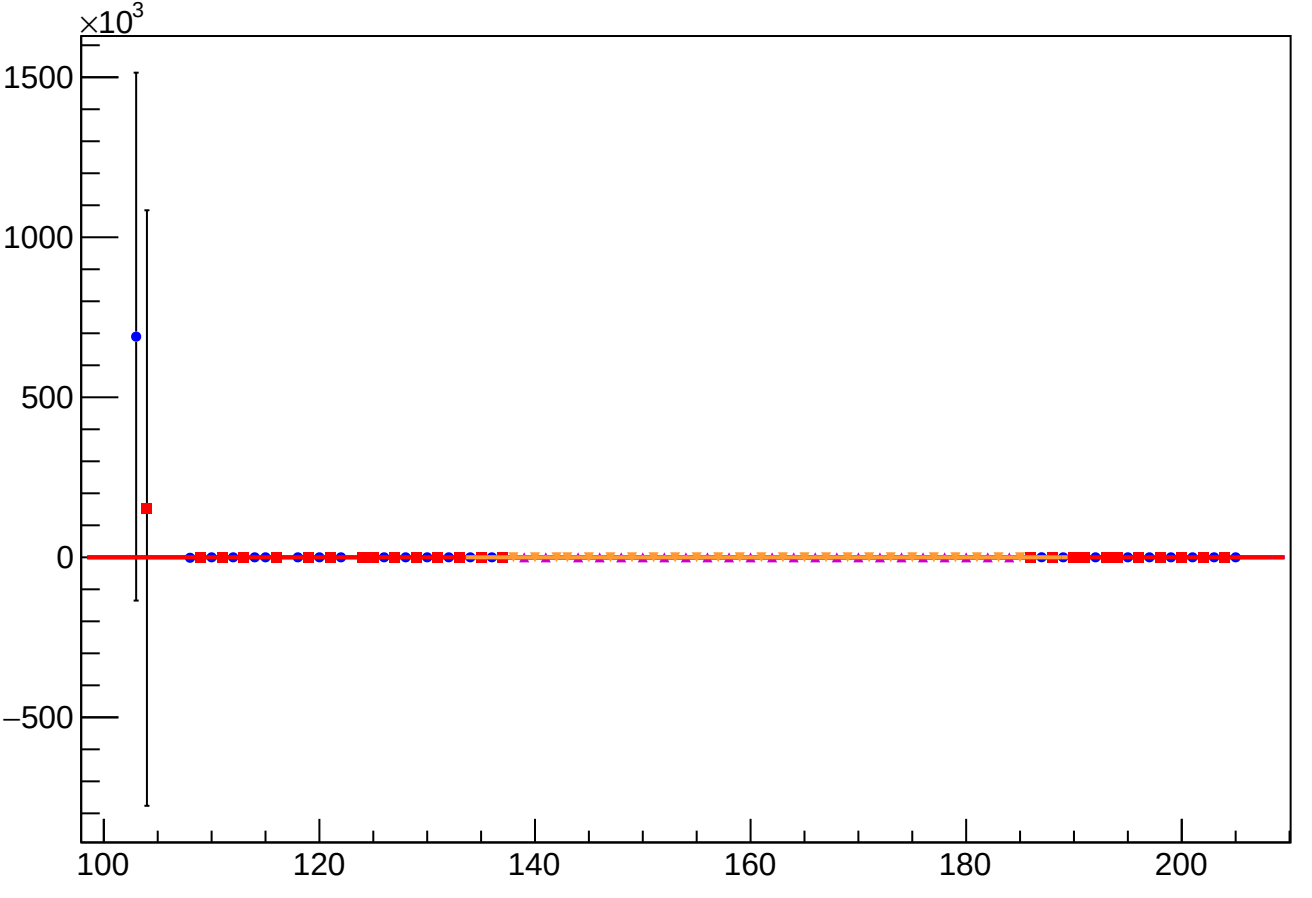
Left: 1592.729+/-0.184 χ^2/NDF: 429680.4/47

Right: 2164.426+/-0.325 χ^2/NDF: 6200574.3/46

In: 1728.045+/-0.229 χ^2/NDF:4158746.3/44

Out: 1735.316+/-0.224 χ^2/NDF:4811883.6/49

All: 1731.764+/-0.160 χ^2/NDF: 8971143.9/94



Right In: 0.312+/-0.516 χ^2/NDF: 20.6/23

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -0.149+/-0.523 χ^2/NDF: 26.5/25

Left In: -0.125+/-0.501 χ^2/NDF:16.9/22

Left: -0.651+/-0.355 χ^2/NDF: 43.5/47

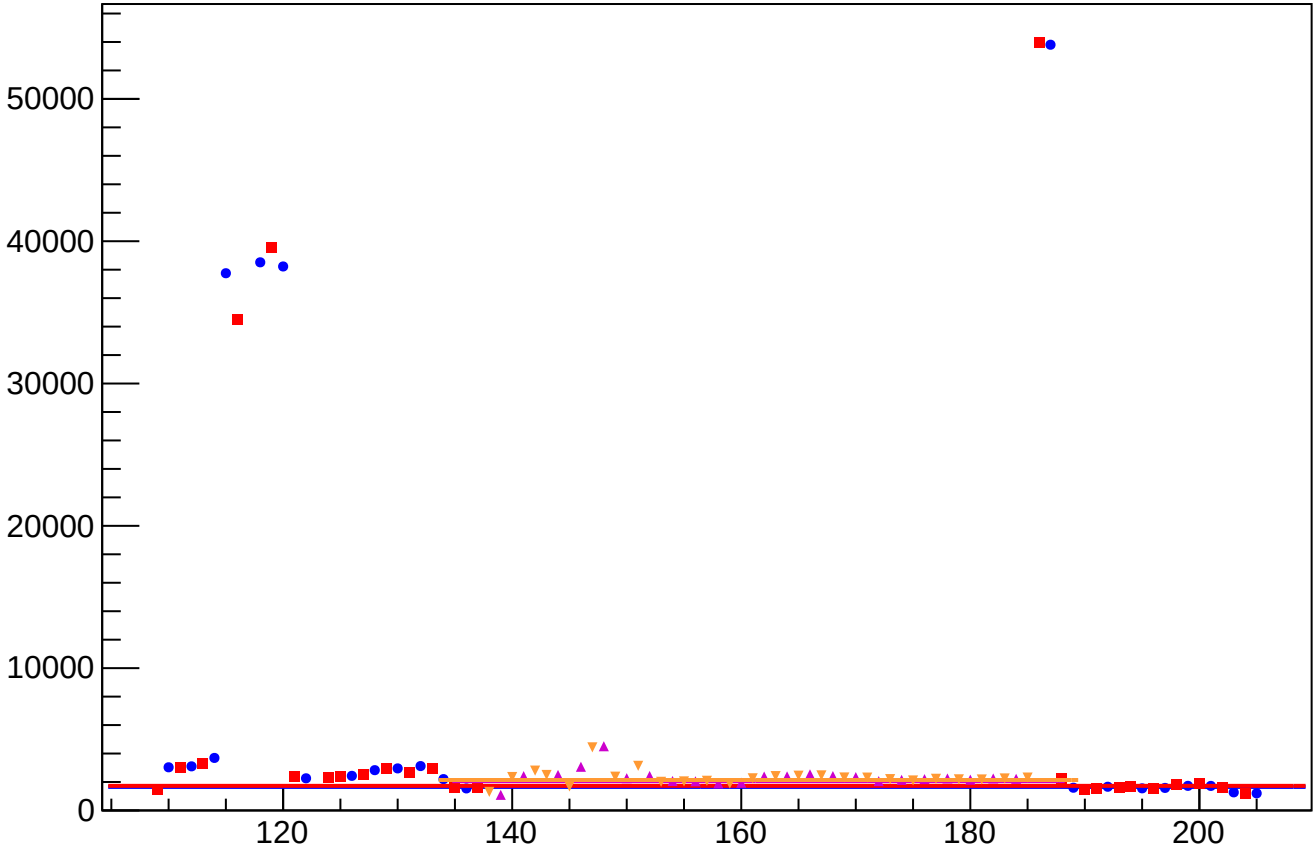
Right: 0.084+/-0.367 χ^2/NDF: 47.5/49

In: 0.087+/-0.360 χ^2/NDF:37.8/46

Out: -0.685+/-0.362 χ^2/NDF:52.9/50

All: -0.296+/-0.255 χ^2/NDF: 93.1/97

diff_bpm1p03aY_rms vs Slug, Sign Corrected



Right In: 1654.793+/-0.365 χ^2/NDF: 3859634.2/21

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1728.729+/-0.370 χ^2/NDF: 3799026.0/24

Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

Left: 2098.634+/-0.251 χ^2/NDF: 3799672.6/47

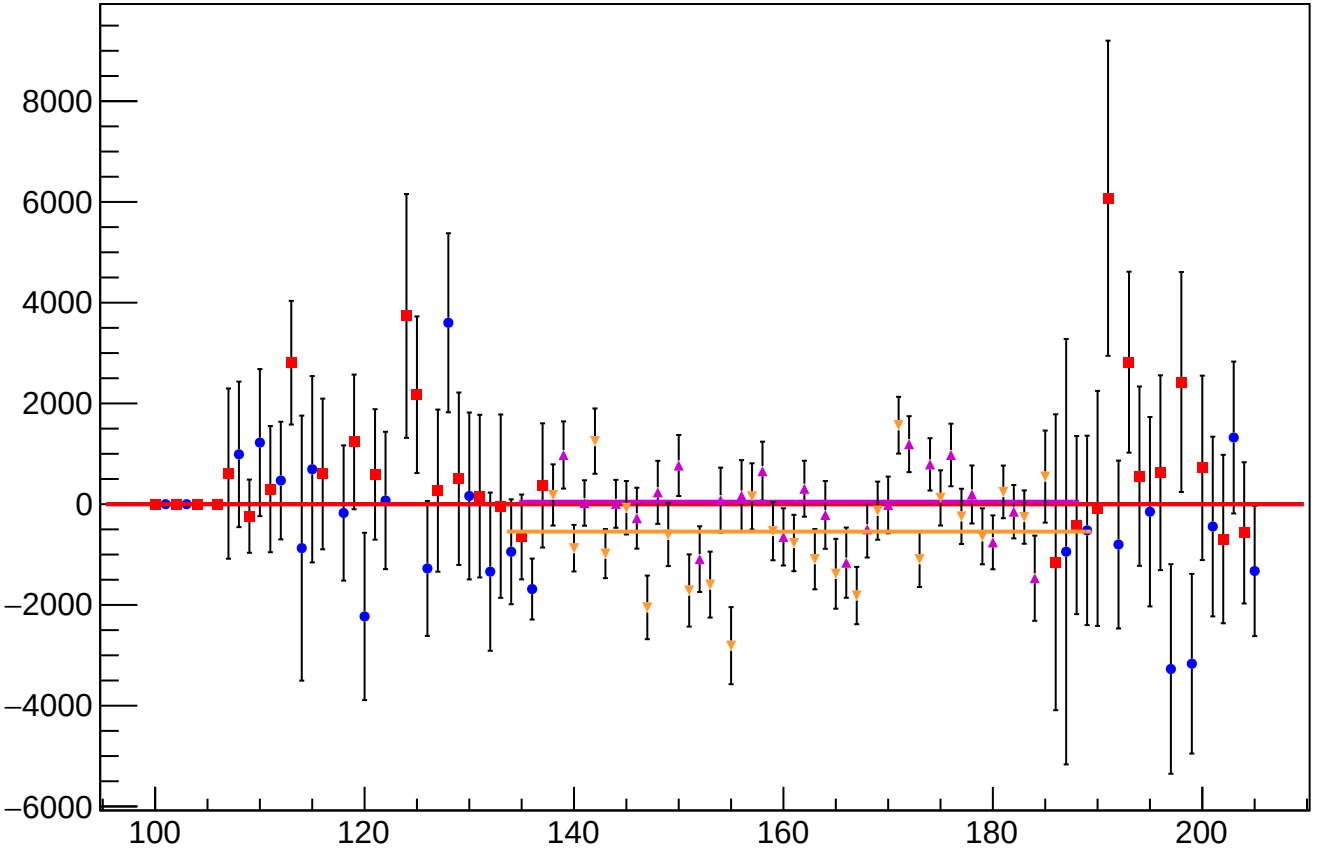
Right: 1691.288+/-0.260 χ^2/NDF: 7678896.9/46

In: 1862.514+/-0.254 χ^2/NDF:6781699.5/44

Out: 1942.225+/-0.256 χ^2/NDF:5919739.4/49

All: 1902.074+/-0.181 χ^2/NDF: 12750188.4/9

diff_cav4bX_mean vs Slug, Sign Corrected



Right In: 0.255+/-0.356 χ^2/NDF: 25.6/24

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: -0.096+/-0.328 χ^2/NDF: 23.8/29

Left In: 49.119+/-121.932 χ^2/NDF:28.0/22

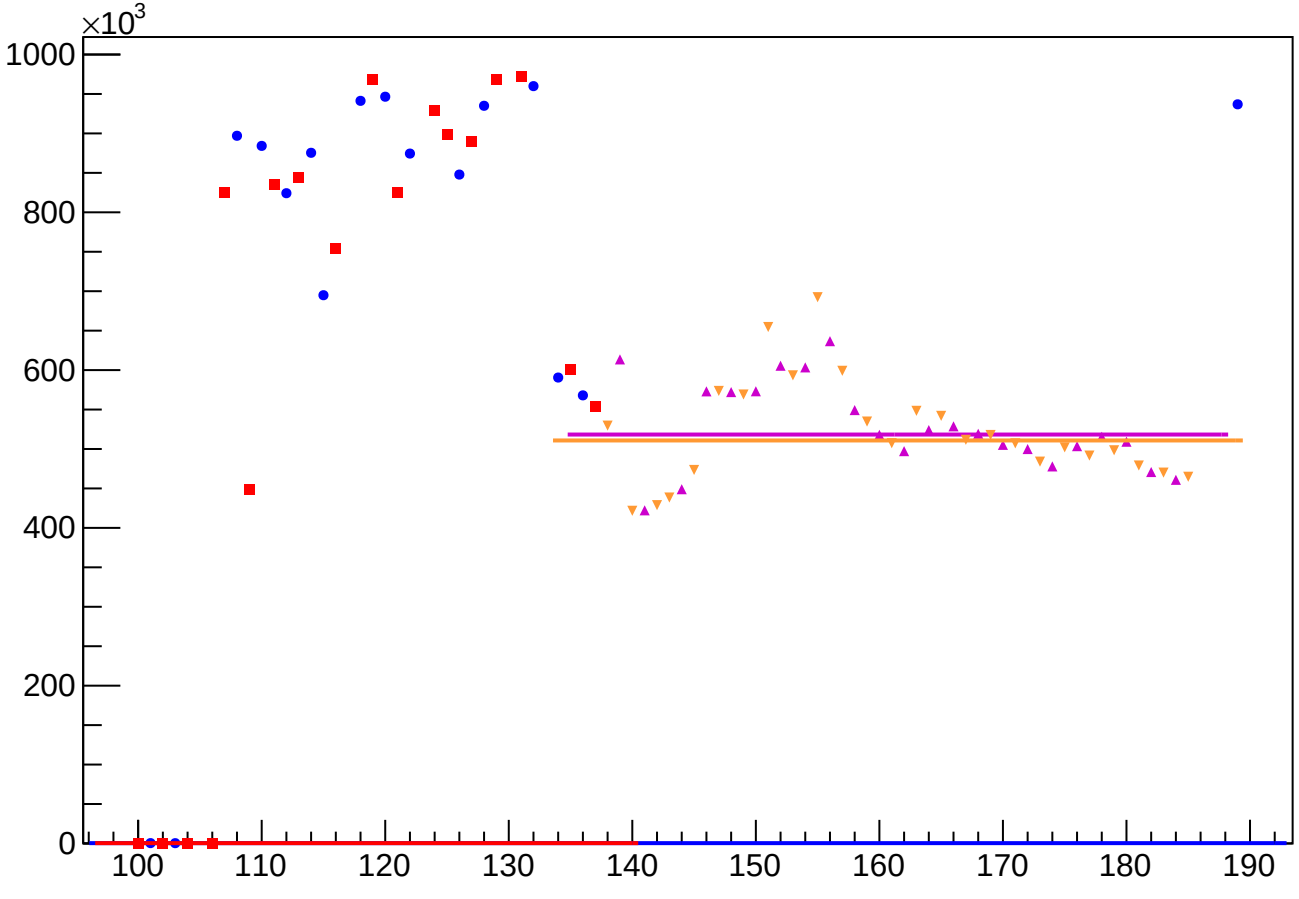
Left: -259.505+/-84.479 χ^2/NDF: 101.1/47

Right: 0.065+/-0.241 χ^2/NDF: 49.9/54

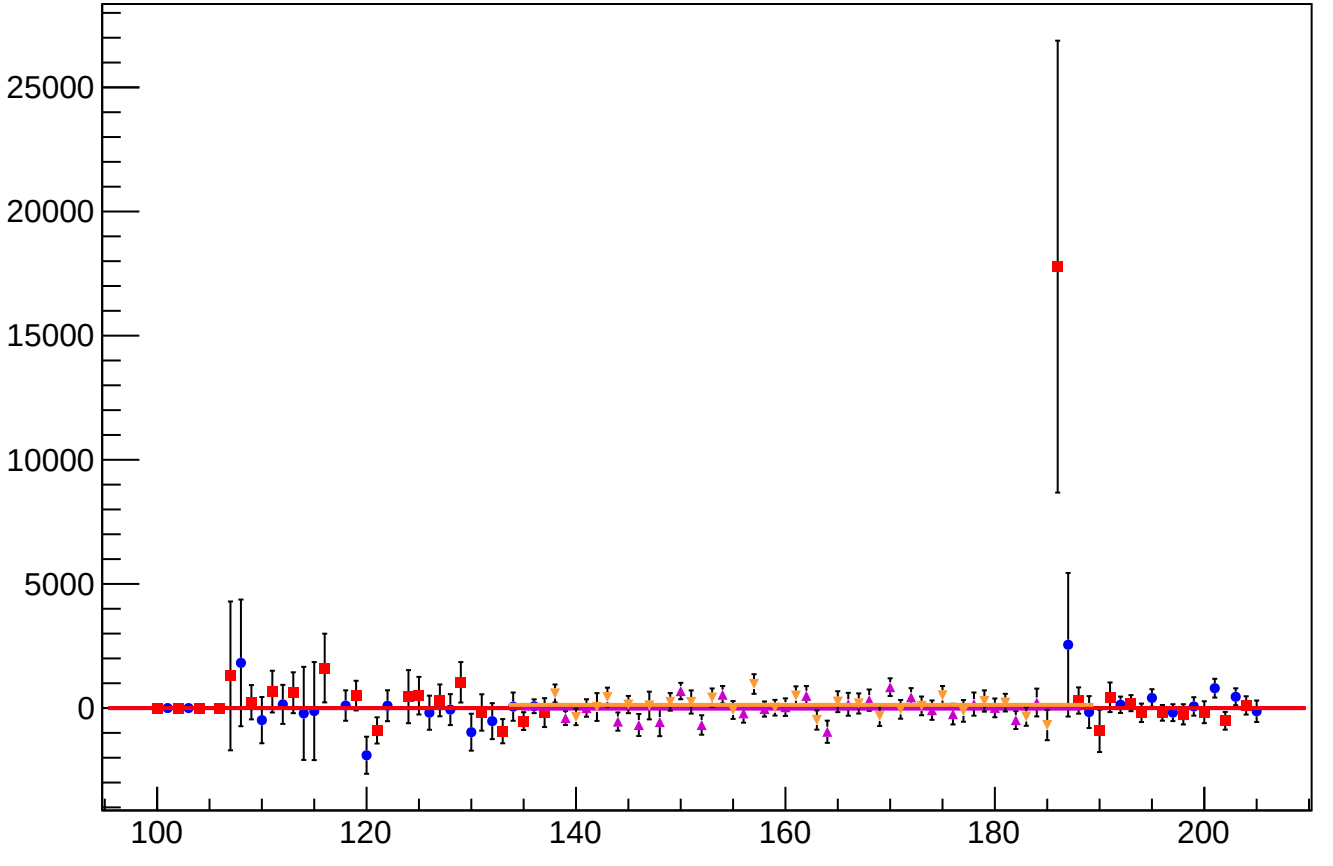
In: 0.255+/-0.356 χ^2/NDF:53.7/47

Out: -0.100+/-0.328 χ^2/NDF:106.2/54

All: 0.063+/-0.241 χ^2/NDF: 160.5/102


diff_cav4bX_rms vs Slug, Sign Corrected
×10^3
1000
800
600
400
200
0
100
110
120
130
140
150
160
170
180
190
Right In: 398.894+/-0.251 χ²/NDF: 8685185.3/15
Left Out: 510811.545+/-82.841 χ²/NDF:509606.7/24
Right Out: 393.240+/-0.232 χ²/NDF: 7648578.2/17
Left In: 518313.411+/-86.219 χ²/NDF:399884.6/22
Left: 514412.615+/-59.736 χ²/NDF: 913427.9/47
Right: 395.837+/-0.170 χ²/NDF: 16334036.8/33
In: 403.300+/-0.251 χ²/NDF:45168150.0/38
Out: 397.235+/-0.232 χ²/NDF:46121298.2/42
All: 400.021+/-0.170 χ²/NDF: 91289762.7/81

diff_cav4bY_mean vs Slug, Sign Corrected



Right In: -0.019+/-0.347 χ^2/NDF: 19.5/24

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: -0.599+/-0.324 χ^2/NDF: 24.5/29

Left In: -19.324+/-79.767 χ^2/NDF:33.7/22

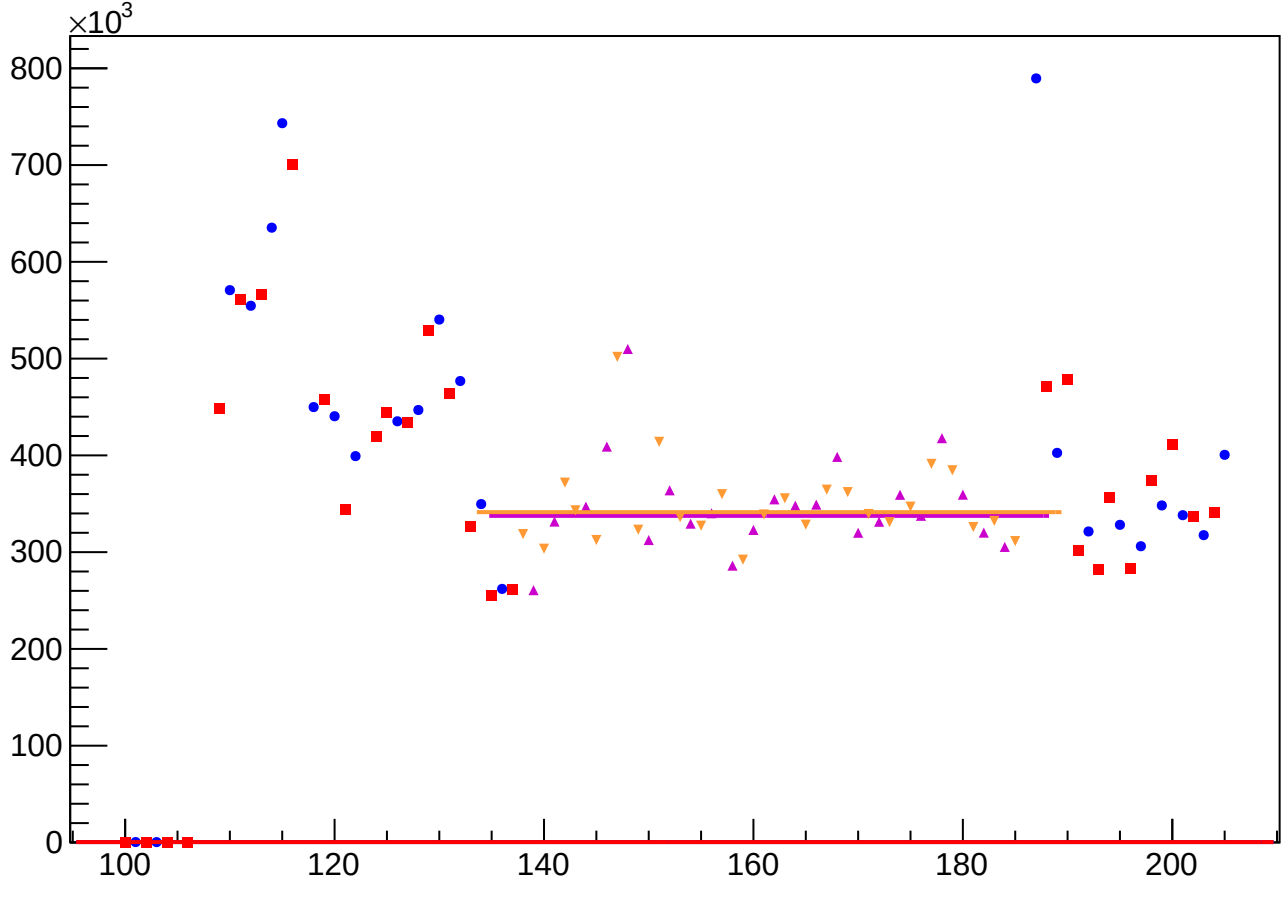
Left: 56.249+/-55.859 χ^2/NDF: 55.5/47

Right: -0.329+/-0.237 χ^2/NDF: 45.5/54

In: -0.019+/-0.347 χ^2/NDF:53.2/47

Out: -0.597+/-0.324 χ^2/NDF:47.4/54

All: -0.328+/-0.237 χ^2/NDF: 102.1/102



Right In: 392.559+/-0.245 χ^2/NDF: 23962220.9/23

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.158+/-0.229 χ^2/NDF: 25591032.4/27

Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

Left: 339453.220+/-39.500 χ^2/NDF: 1006289.4/47

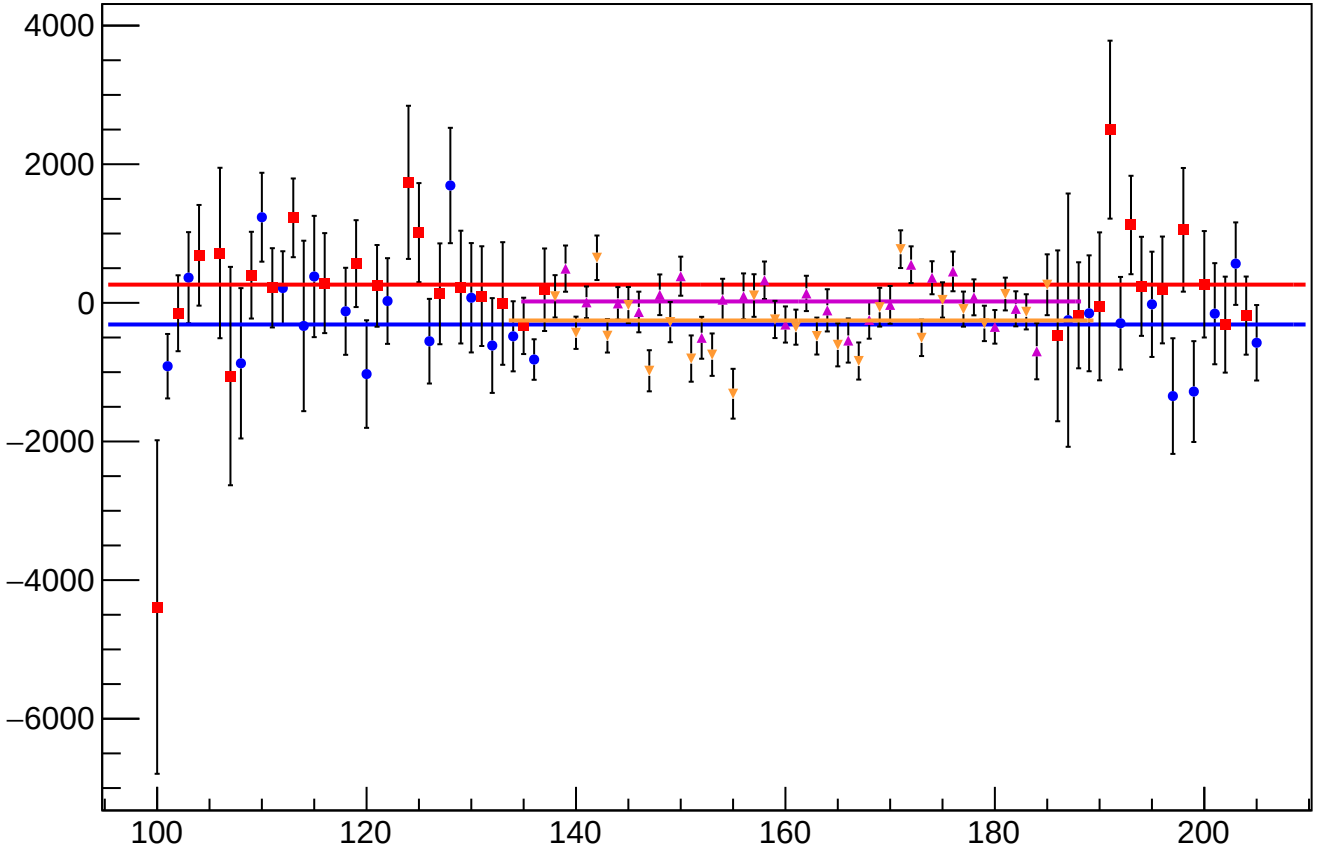
Right: 391.275+/-0.167 χ^2/NDF: 49553304.5/51

In: 398.942+/-0.245 χ^2/NDF:60280357.7/46

Out: 395.996+/-0.229 χ^2/NDF:63962066.1/52

All: 397.367+/-0.167 χ^2/NDF: 124242500.8/9

diff_cav4cX_mean vs Slug, Sign Corrected



Right In: -312.140+/-125.834 χ^2/NDF: 27.1/24

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

Right Out: 262.951+/-130.797 χ^2/NDF: 21.3/29

Left In: 20.176+/-57.484 χ^2/NDF:28.6/22

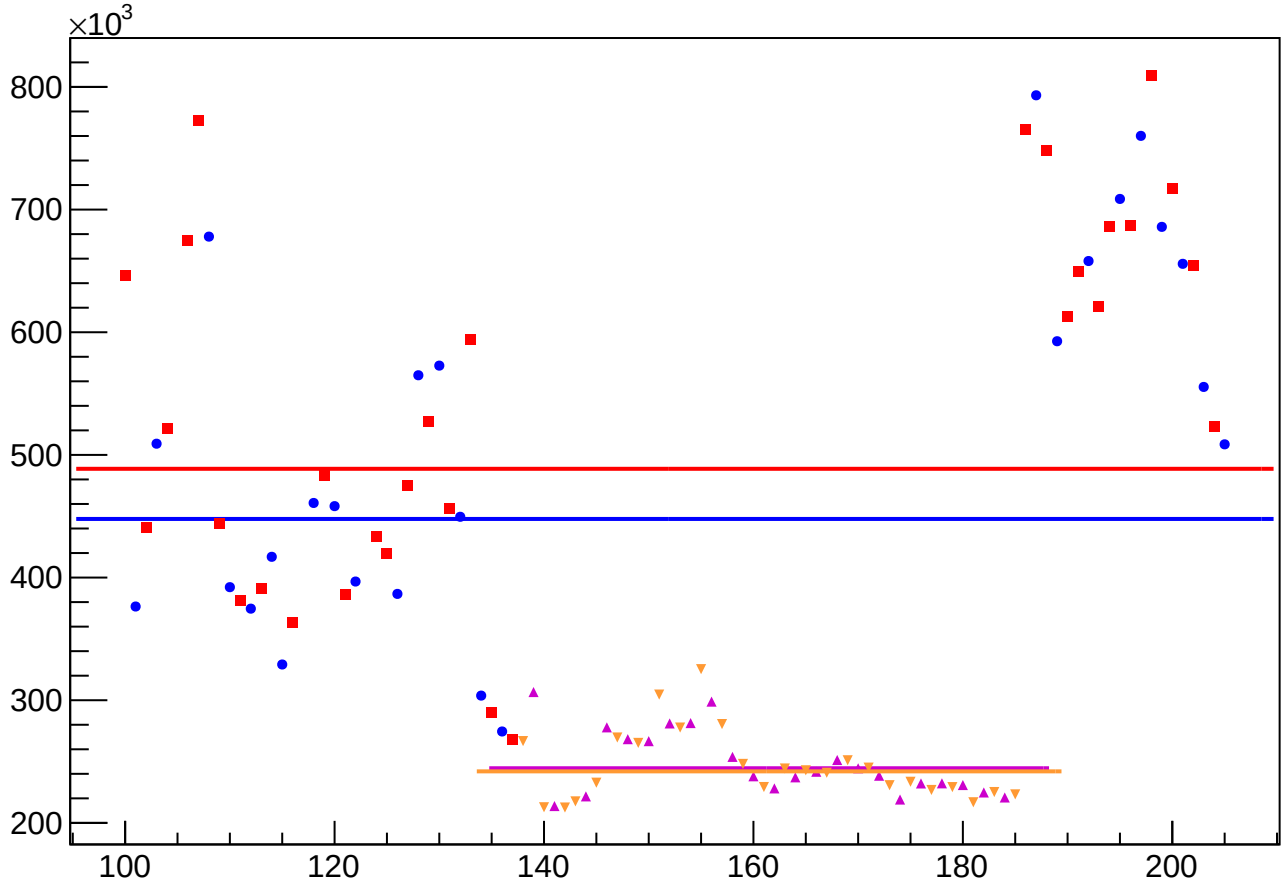
Left: -122.121+/-39.897 χ^2/NDF: 101.7/47

Right: -35.711+/-90.682 χ^2/NDF: 58.4/54

In: -37.201+/-52.286 χ^2/NDF:61.5/47

Out: -175.638+/-51.026 χ^2/NDF:95.8/54

All: -108.107+/-36.518 χ^2/NDF: 160.9/102



Right In: 447792.448+/-88.996 χ^2/NDF: 2547031.7/24

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 488673.582+/-92.602 χ^2/NDF: 2494523.2/29

Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

Left: 243229.356+/-28.211 χ^2/NDF: 776777.7/47

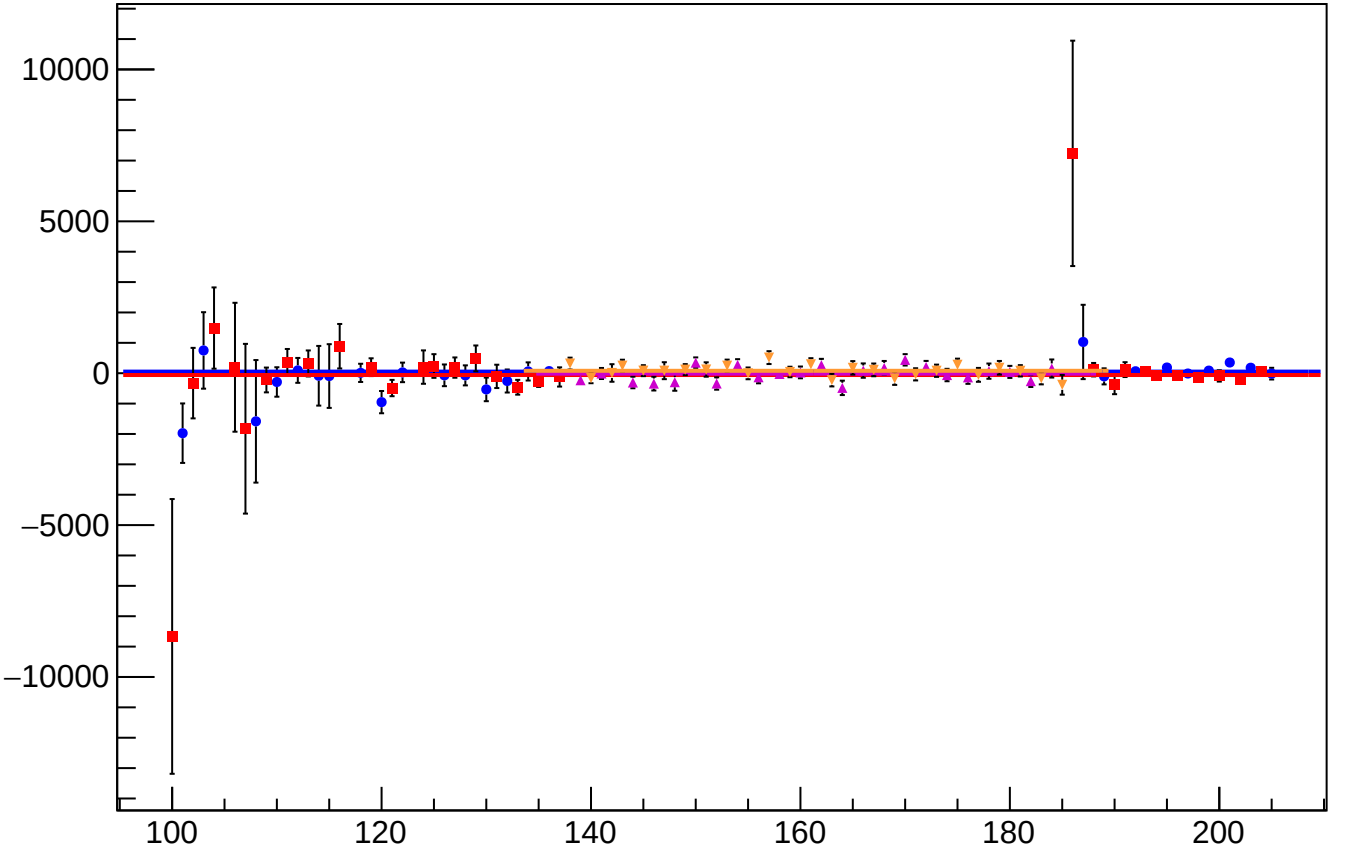
Right: 467421.474+/-64.167 χ^2/NDF: 5142871.2/54

In: 279623.221+/-36.973 χ^2/NDF:7224094.6/47

Out: 279470.382+/-36.088 χ^2/NDF:8925457.8/54

All: 279544.949+/-25.825 χ^2/NDF: 1614956

diff_cav4cY_mean vs Slug, Sign Corrected



Right In: 52.827+/-46.764 χ^2/NDF: 23.0/24

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: -59.390+/-45.152 χ^2/NDF: 27.4/29

Left In: -14.032+/-42.233 χ^2/NDF:33.2/22

Left: 33.776+/-29.528 χ^2/NDF: 55.4/47

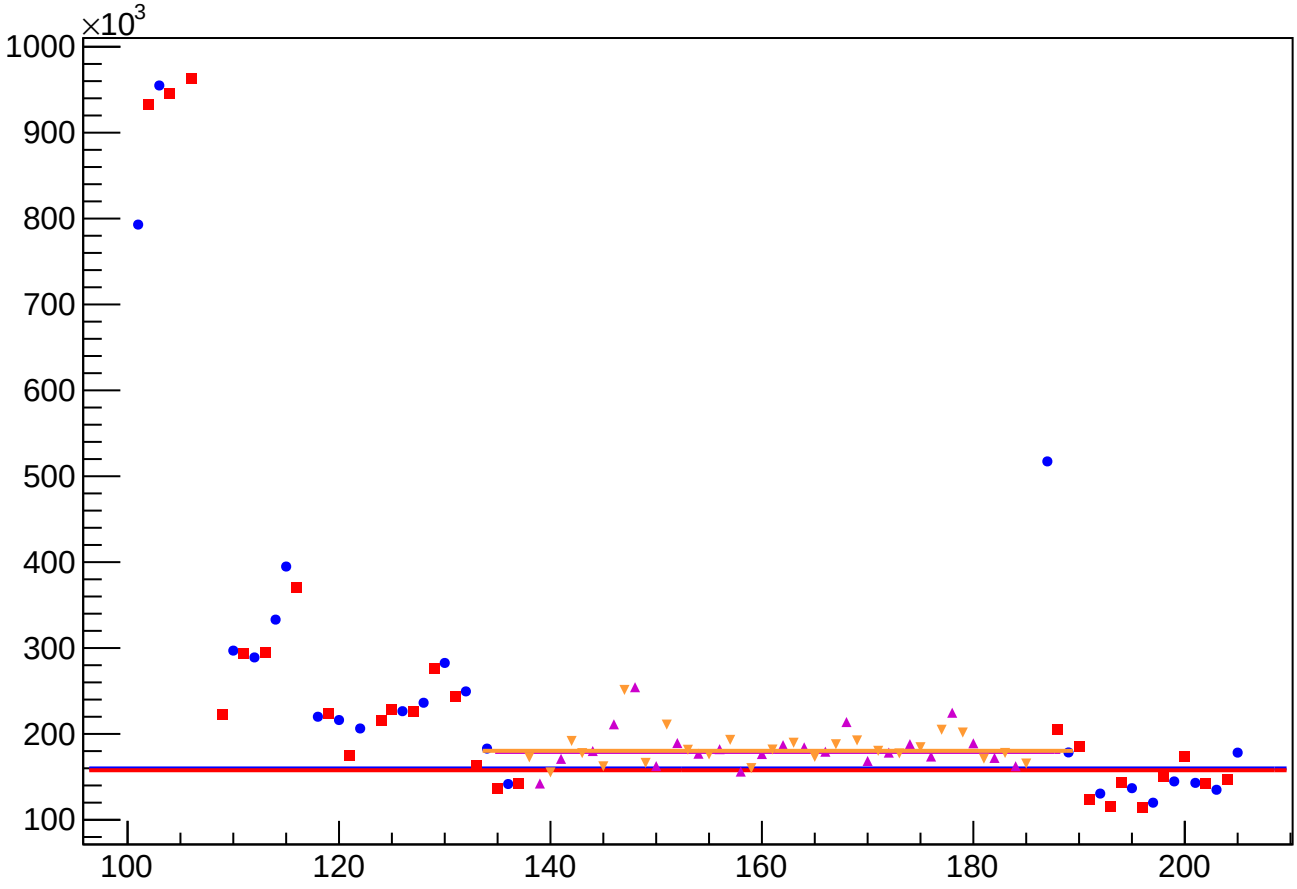
Right: -5.249+/-32.482 χ^2/NDF: 53.4/54

In: 16.003+/-31.343 χ^2/NDF:57.3/47

Out: 16.227+/-30.475 χ^2/NDF:52.3/54

All: 16.118+/-21.849 χ^2/NDF: 109.6/102

diff_cav4cY_rms vs Slug, Sign Corrected



Right In: 159819.461+/-33.083 χ^2/NDF: 3224410.3/23

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157719.789+/-31.951 χ^2/NDF: 3271521.5/26

Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

Left: 179698.251+/-20.880 χ^2/NDF: 848994.3/47

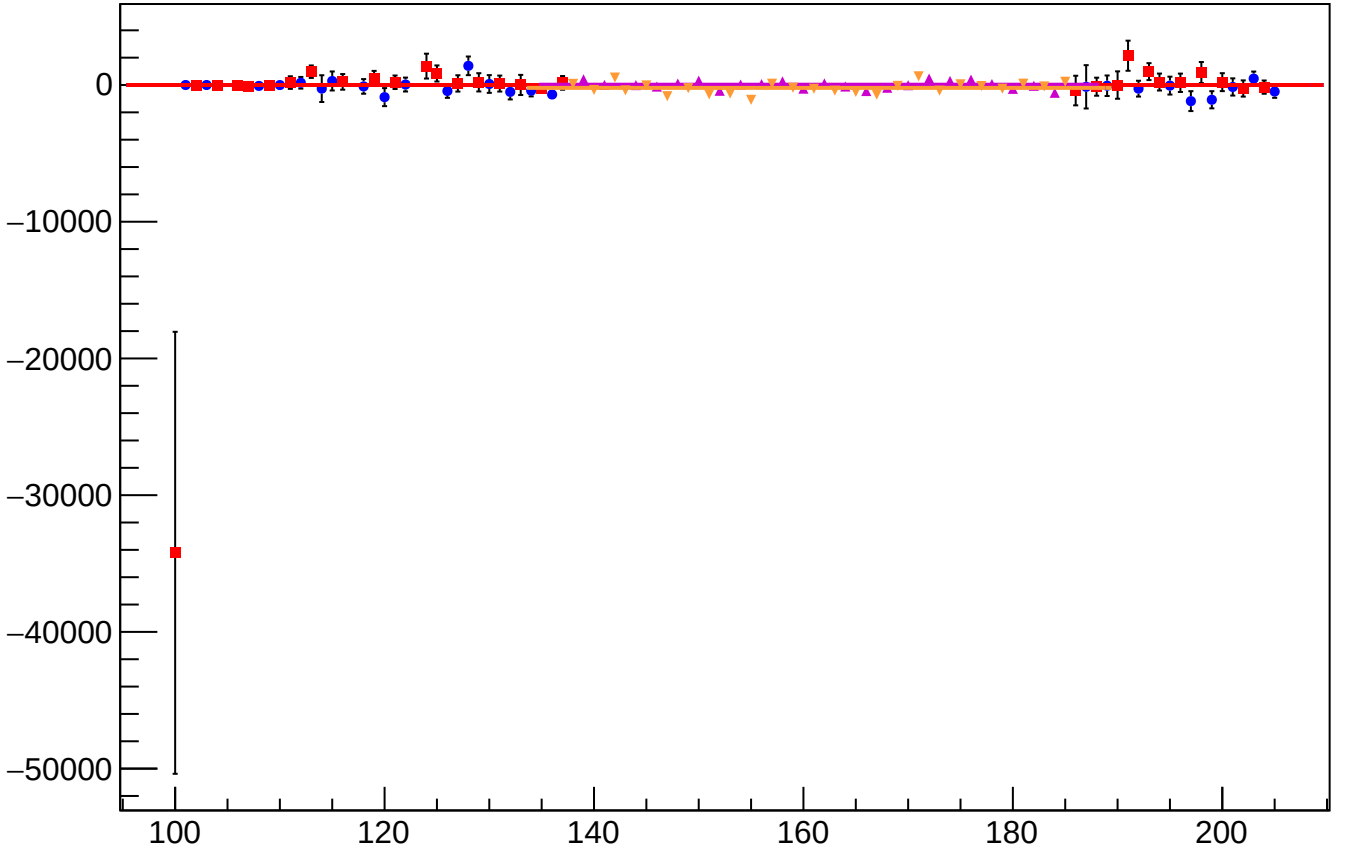
Right: 158733.076+/-22.982 χ^2/NDF: 6498016.0/50

In: 170401.544+/-22.168 χ^2/NDF:3911493.3/46

Out: 170045.338+/-21.556 χ^2/NDF:3891268.1/51

All: 170218.459+/-15.454 χ^2/NDF: 7802894.

diff_cav4dX_mean vs Slug, Sign Corrected



Right In: -0.035+/-0.172 χ^2/NDF: 25.9/24

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

Right Out: 0.355+/-0.160 χ^2/NDF: 24.9/29

Left In: 21.095+/-48.037 χ^2/NDF:28.6/22

Left: -98.836+/-33.332 χ^2/NDF: 101.8/47

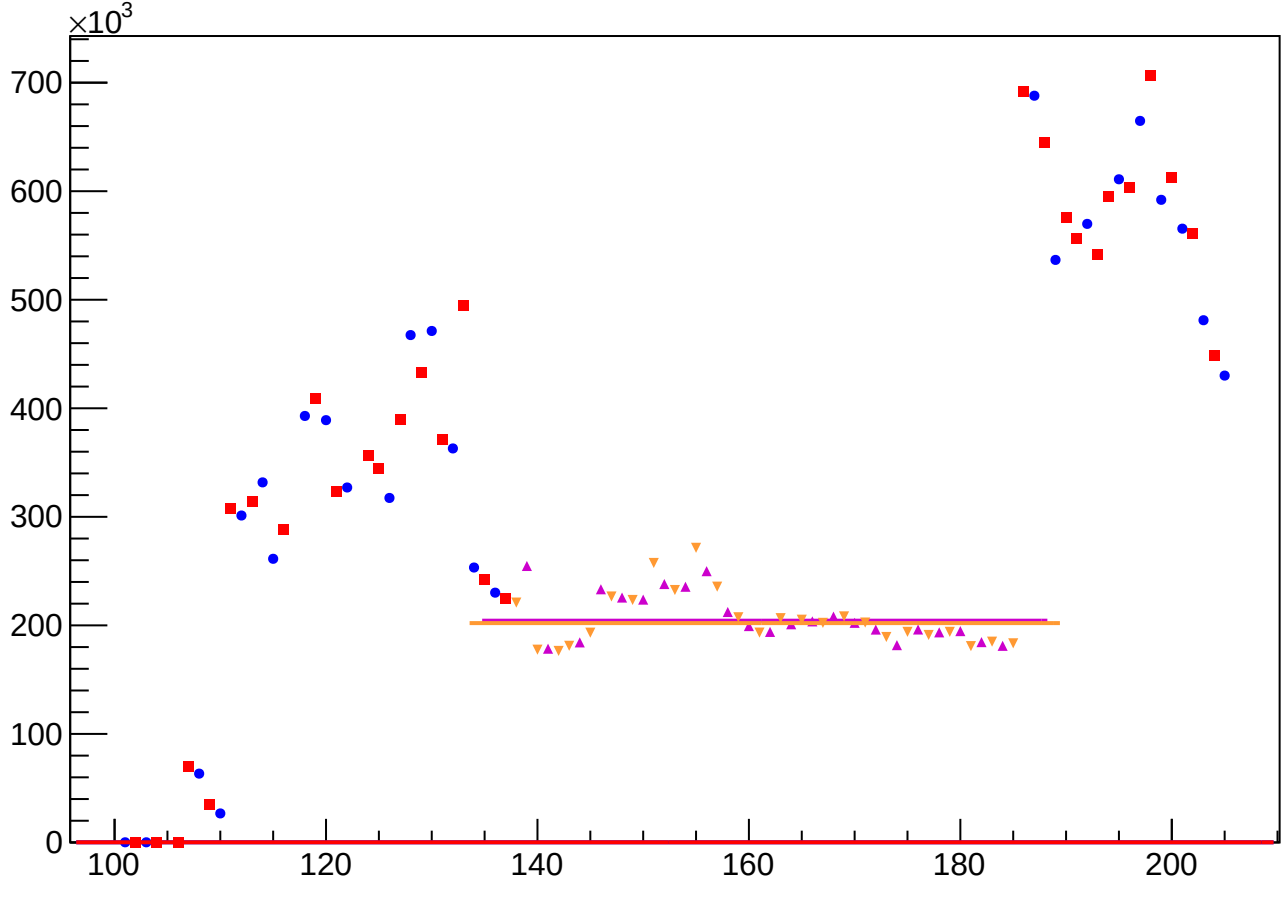
Right: 0.174+/-0.117 χ^2/NDF: 53.6/54

In: -0.035+/-0.172 χ^2/NDF:54.6/47

Out: 0.353+/-0.160 χ^2/NDF:106.8/54

All: 0.173+/-0.117 χ^2/NDF: 164.2/102

diff_cav4dX_rms vs Slug, Sign Corrected



Right In: 149.459+/-0.122 χ^2/NDF: 24926461.9/24

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.725+/-0.113 χ^2/NDF: 27102859.2/28

Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

Left: 203156.818+/-23.570 χ^2/NDF: 813625.2/47

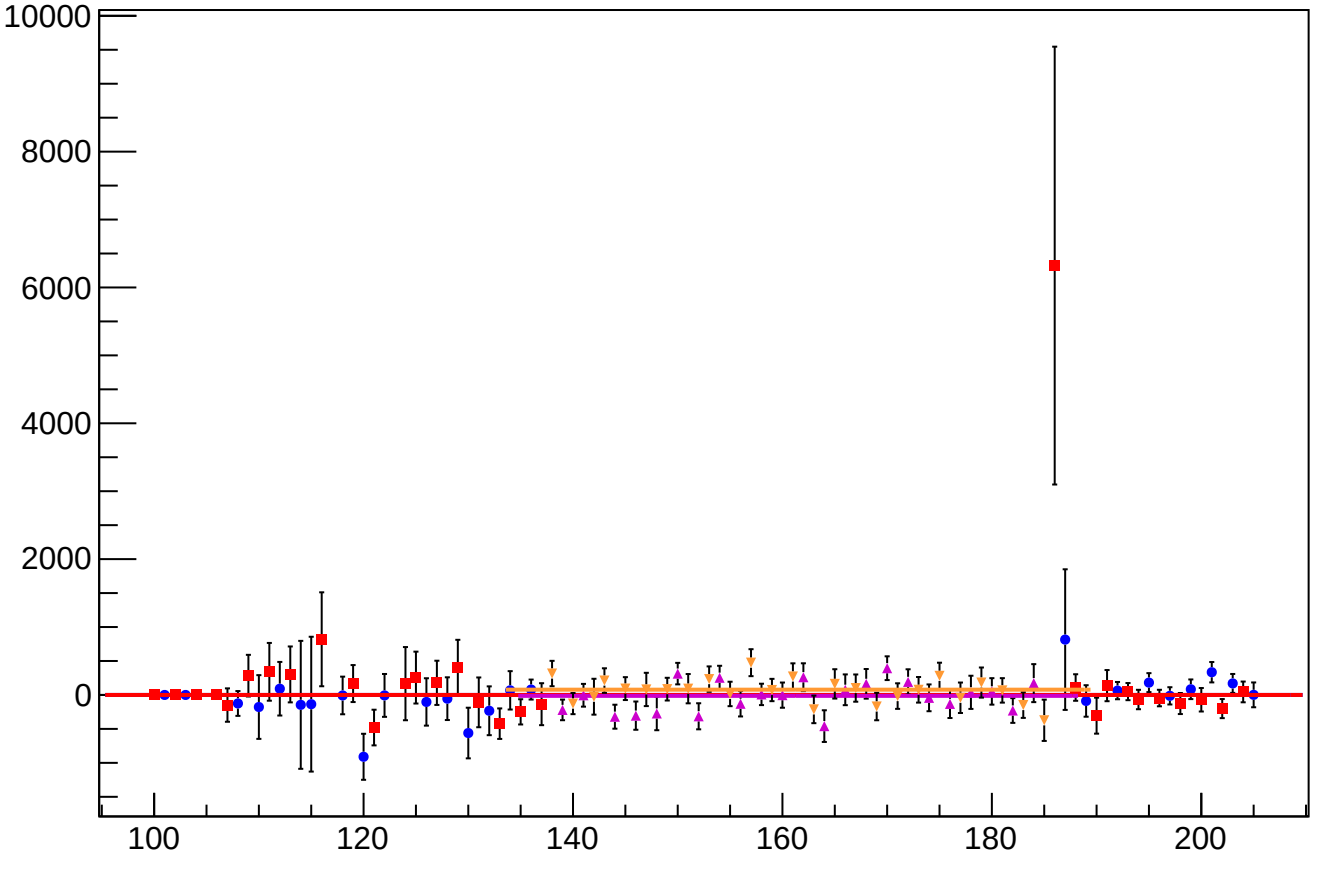
Right: 149.602+/-0.083 χ^2/NDF: 52029323.7/53

In: 152.085+/-0.122 χ^2/NDF:61429151.8/47

Out: 152.142+/-0.113 χ^2/NDF:65598565.7/53

All: 152.115+/-0.083 χ^2/NDF: 127027717.6/

diff_cav4dY_mean vs Slug, Sign Corrected



Right In: -0.067+/-0.177 χ^2/NDF: 20.7/24

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: -0.126+/-0.166 χ^2/NDF: 24.5/29

Left In: -13.457+/-39.929 χ^2/NDF:32.7/22

Left: 33.221+/-27.871 χ^2/NDF: 54.4/47

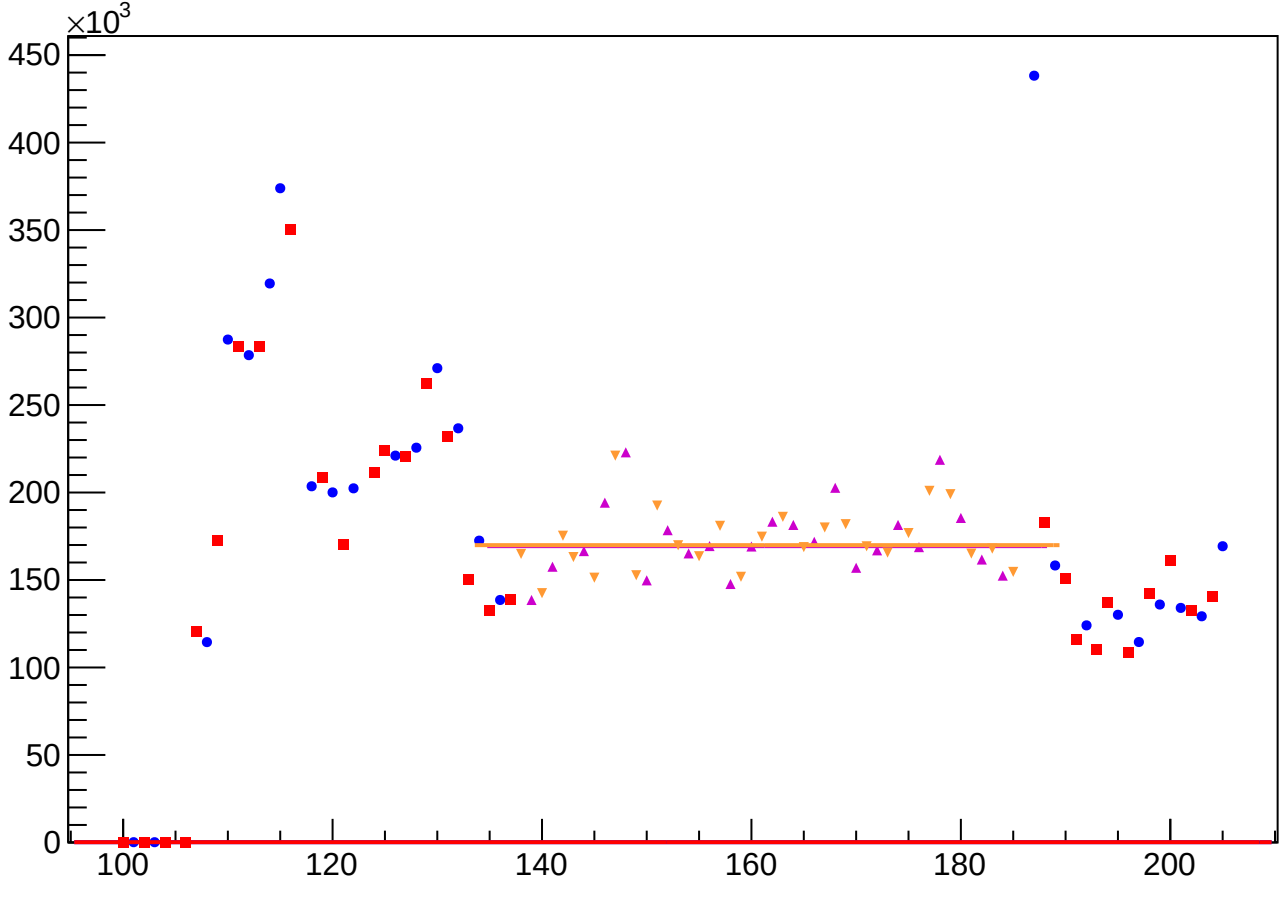
Right: -0.099+/-0.121 χ^2/NDF: 45.3/54

In: -0.067+/-0.177 χ^2/NDF:53.5/47

Out: -0.125+/-0.166 χ^2/NDF:47.6/54

All: -0.098+/-0.121 χ^2/NDF: 101.2/102

diff_cav4dY_rms vs Slug, Sign Corrected



Right In: 154.996+/-0.125 χ^2/NDF: 25231549.5/24

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.658+/-0.118 χ^2/NDF: 26072031.7/28

Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

Left: 169641.366+/-19.708 χ^2/NDF: 839022.8/47

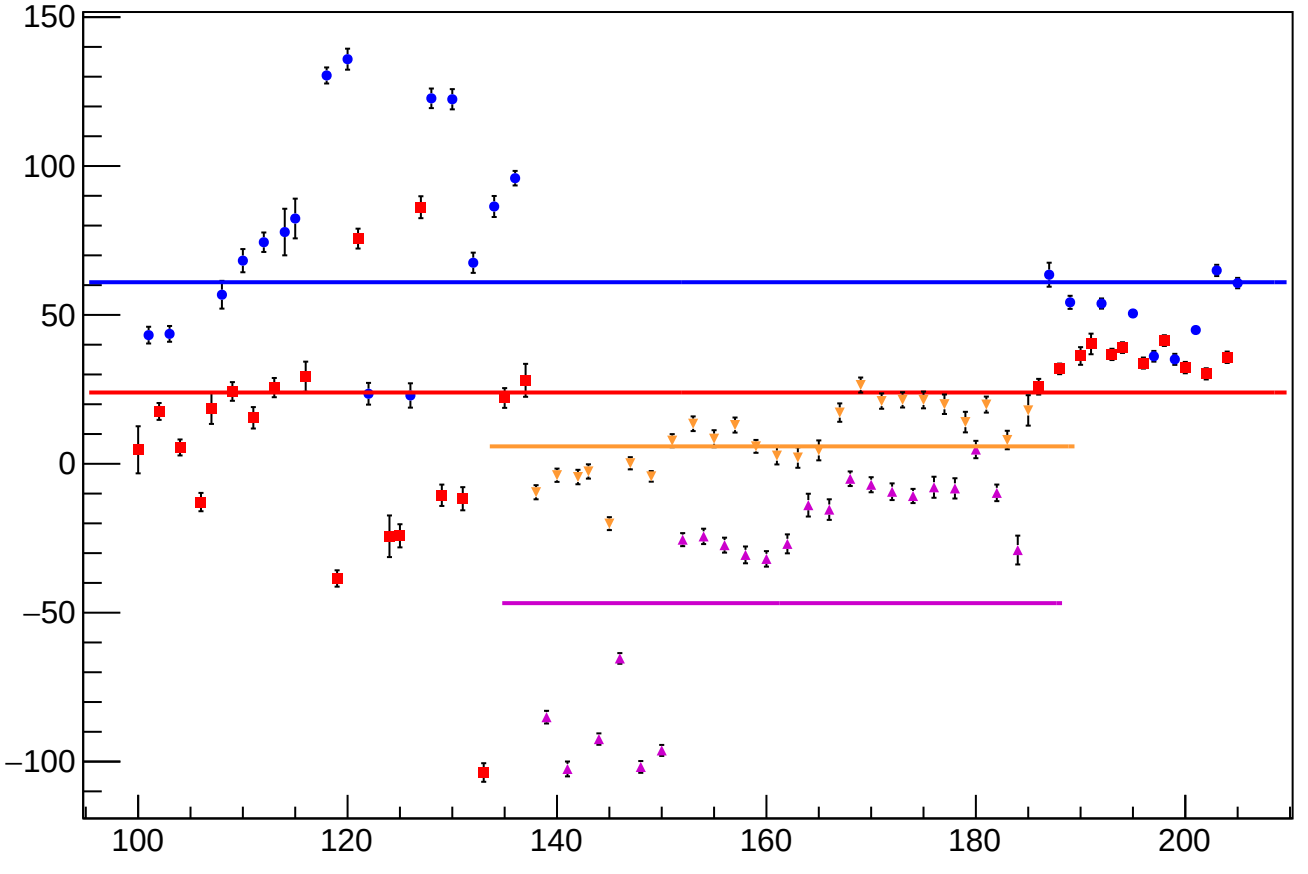
Right: 156.410+/-0.086 χ^2/NDF: 51303820.9/53

In: 158.330+/-0.125 χ^2/NDF:61616973.4/47

Out: 160.764+/-0.118 χ^2/NDF:64482371.7/53

All: 159.623+/-0.086 χ^2/NDF: 126099545.4/

diff_bpm0i01X_mean vs Slug, Sign Corrected



Right In: 60.977+/-0.504 χ^2/NDF: 2915.3/24

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 23.945+/-0.490 χ^2/NDF: 3667.7/29

Left In: -46.796+/-0.524 χ^2/NDF:5175.4/22

Left: -19.940+/-0.367 χ^2/NDF: 10850.6/47

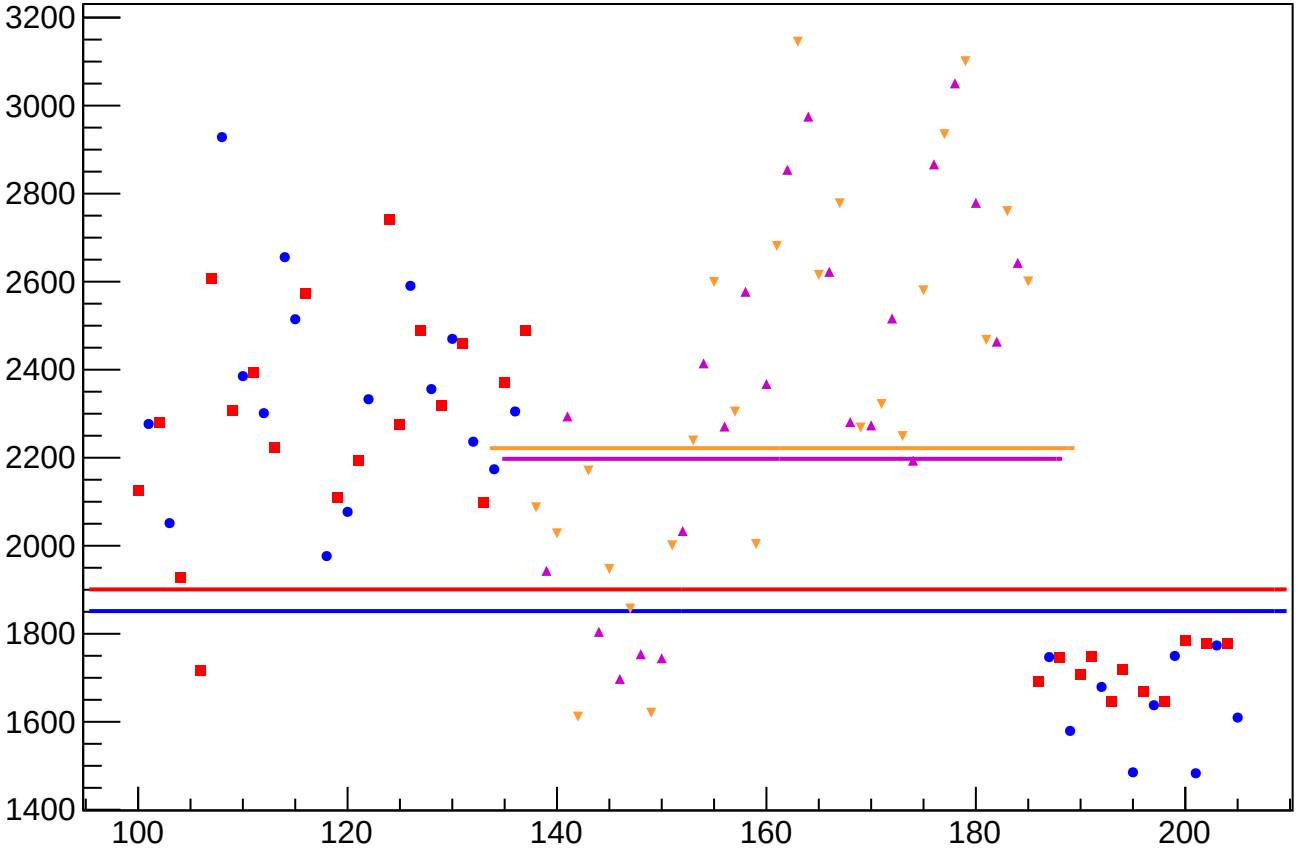
Right: 41.925+/-0.351 χ^2/NDF: 9356.5/54

In: 9.196+/-0.364 χ^2/NDF:30027.6/47

Out: 15.331+/-0.355 χ^2/NDF:4852.2/54

All: 12.340+/-0.254 χ^2/NDF: 35025.8/102

diff_bpm0i01X_rms vs Slug, Sign Corrected



Right In: 1851.542+/-0.357 χ^2/NDF: 943594.8/24

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1900.801+/-0.346 χ^2/NDF: 662912.0/29

Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

Left: 2209.867+/-0.260 χ^2/NDF: 2290896.6/47

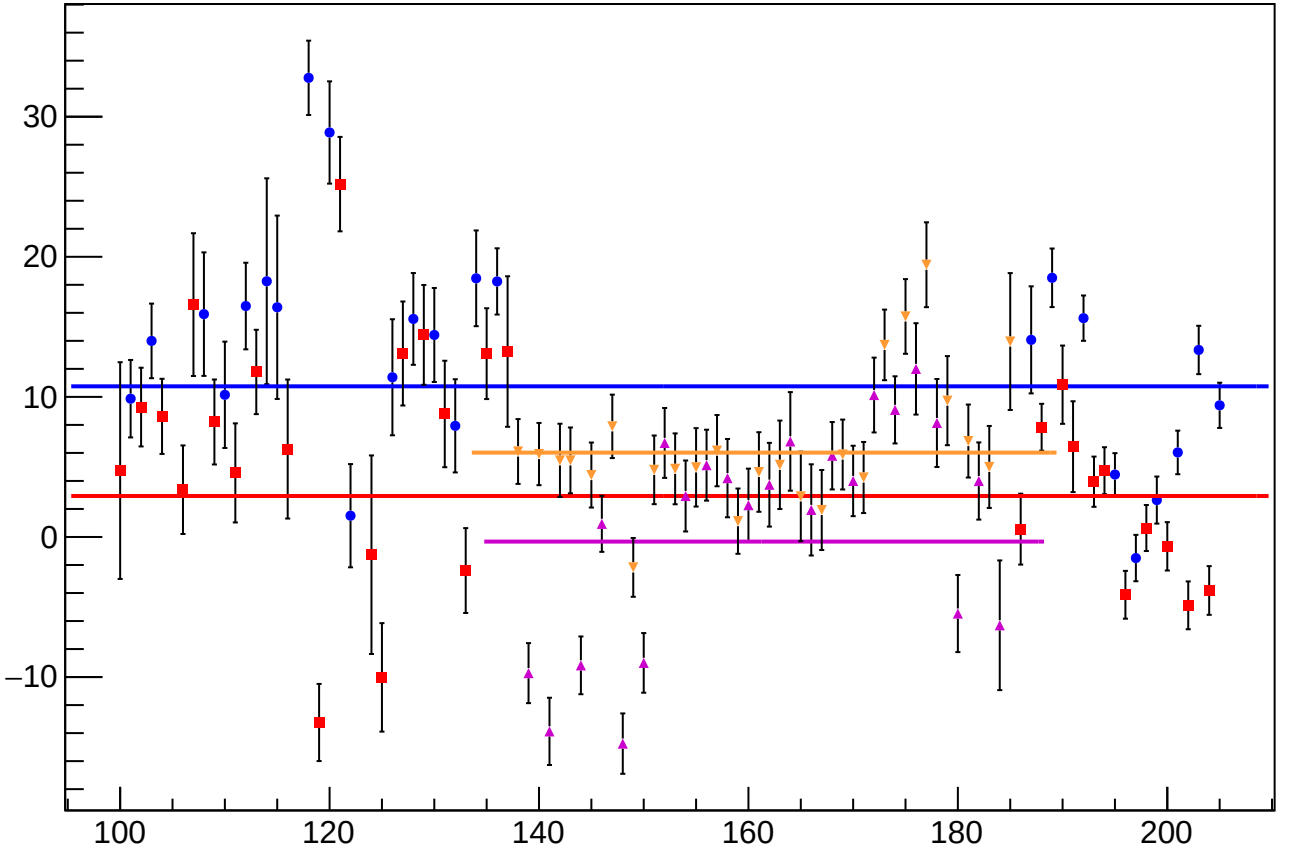
Right: 1876.885+/-0.249 χ^2/NDF: 1616321.2/54

In: 2017.748+/-0.257 χ^2/NDF:2500279.5/47

Out: 2053.613+/-0.251 χ^2/NDF:2255570.3/54

All: 2036.125+/-0.180 χ^2/NDF: 4765823.6/10

diff_bpm0i01Y_mean vs Slug, Sign Corrected



Right In: 10.754+/-0.477 χ^2/NDF: 258.2/24

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: 2.926+/-0.463 χ^2/NDF: 235.3/29

Left In: -0.329+/-0.535 χ^2/NDF:224.9/22

Left: 2.929+/-0.373 χ^2/NDF: 369.1/47

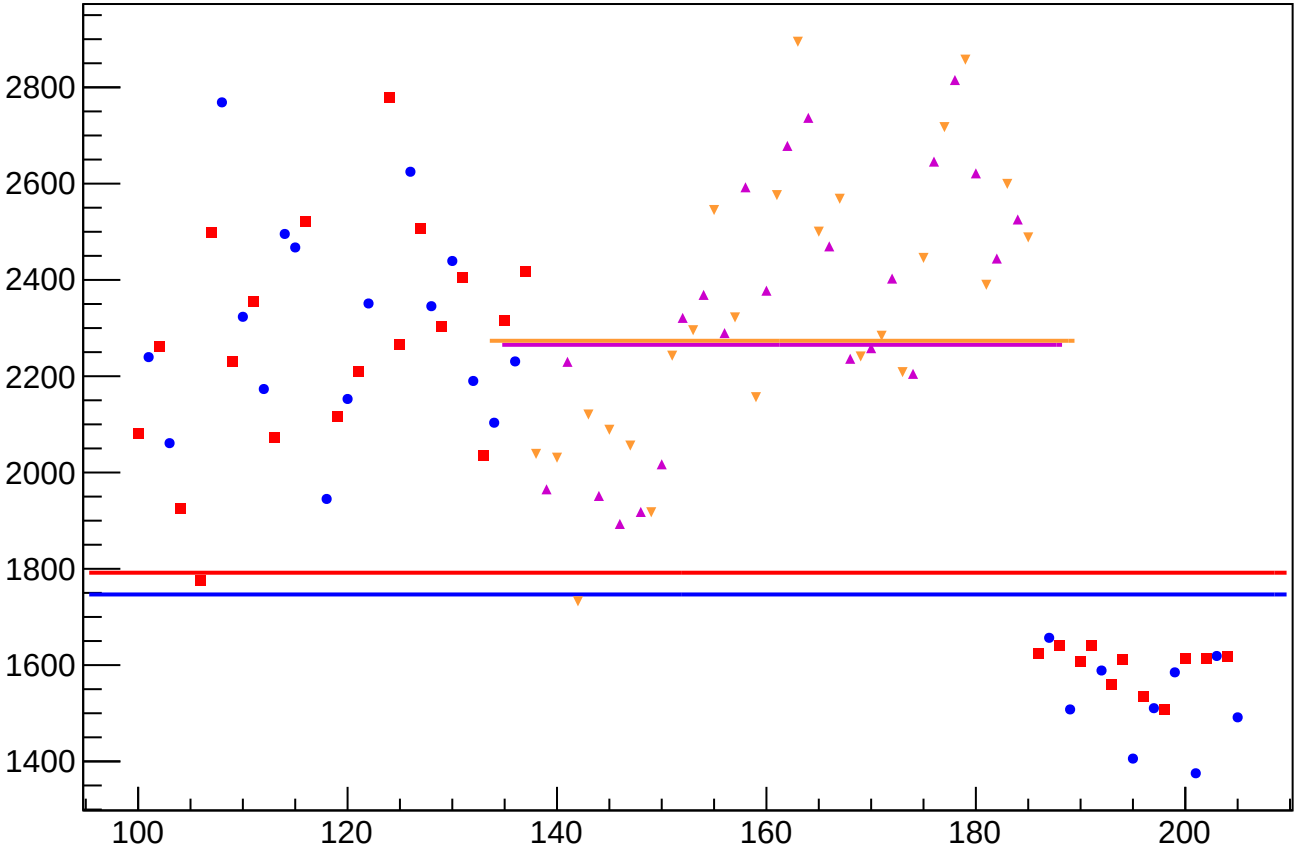
Right: 6.724+/-0.333 χ^2/NDF: 631.9/54

In: 5.837+/-0.356 χ^2/NDF:722.2/47

Out: 4.294+/-0.346 χ^2/NDF:326.8/54

All: 5.044+/-0.248 χ^2/NDF: 1058.6/102

diff_bpm0i01Y_rms vs Slug, Sign Corrected



Right In: 1746.722+/-0.338 χ^2/NDF: 1181639.8/24

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1791.887+/-0.328 χ^2/NDF: 905182.3/29

Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

Left: 2269.543+/-0.264 χ^2/NDF: 1032905.7/47

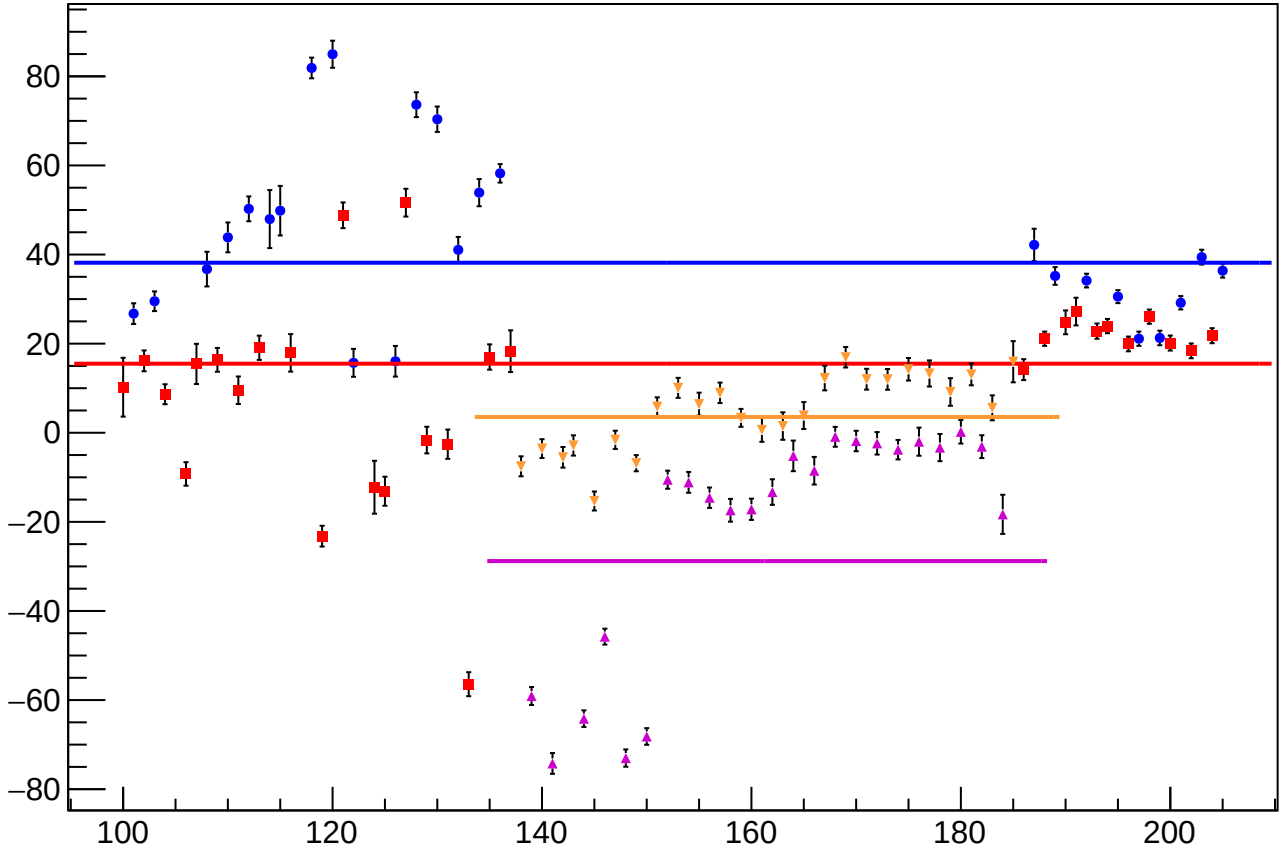
Right: 1769.972+/-0.235 χ^2/NDF: 2096036.8/54

In: 1976.789+/-0.252 χ^2/NDF:2724310.5/47

Out: 2004.788+/-0.245 χ^2/NDF:2396828.3/54

All: 1991.181+/-0.176 χ^2/NDF: 5127494.7/10

diff_bpm0i01aX_mean vs Slug, Sign Corrected



Right In: 38.164+/-0.442 χ^2/NDF: 1456.1/24

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 15.503+/-0.429 χ^2/NDF: 1681.4/29

Left In: -28.804+/-0.491 χ^2/NDF:3262.5/22

Left: -12.278+/-0.343 χ^2/NDF: 5801.2/47

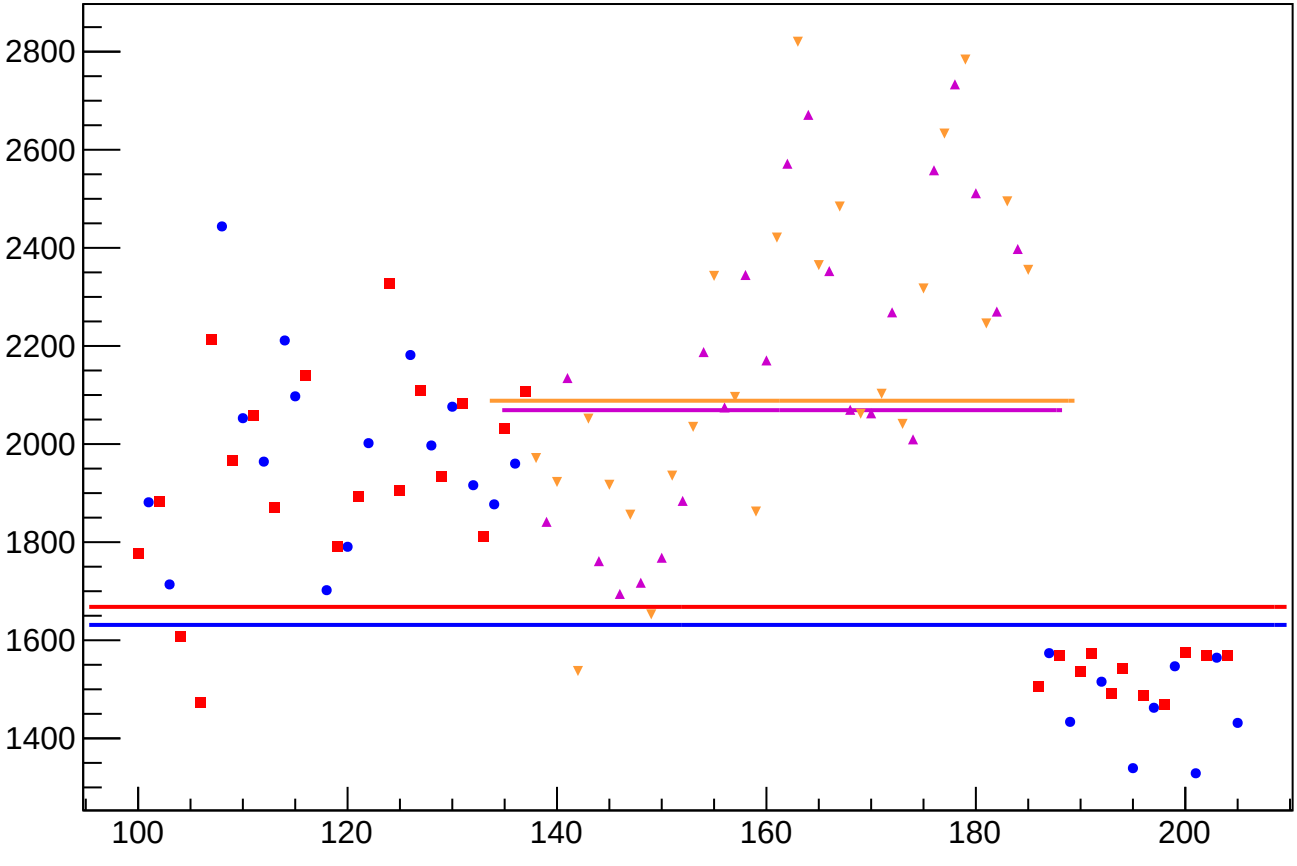
Right: 26.480+/-0.308 χ^2/NDF: 4491.9/54

In: 8.167+/-0.329 χ^2/NDF:14994.6/47

Out: 10.202+/-0.320 χ^2/NDF:2346.4/54

All: 9.212+/-0.229 χ^2/NDF: 17360.7/102

diff_bpm0i01aX_rms vs Slug, Sign Corrected



Right In: 1631.309+/-0.313 χ^2/NDF: 711453.6/24

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1668.062+/-0.303 χ^2/NDF: 481742.7/29

Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

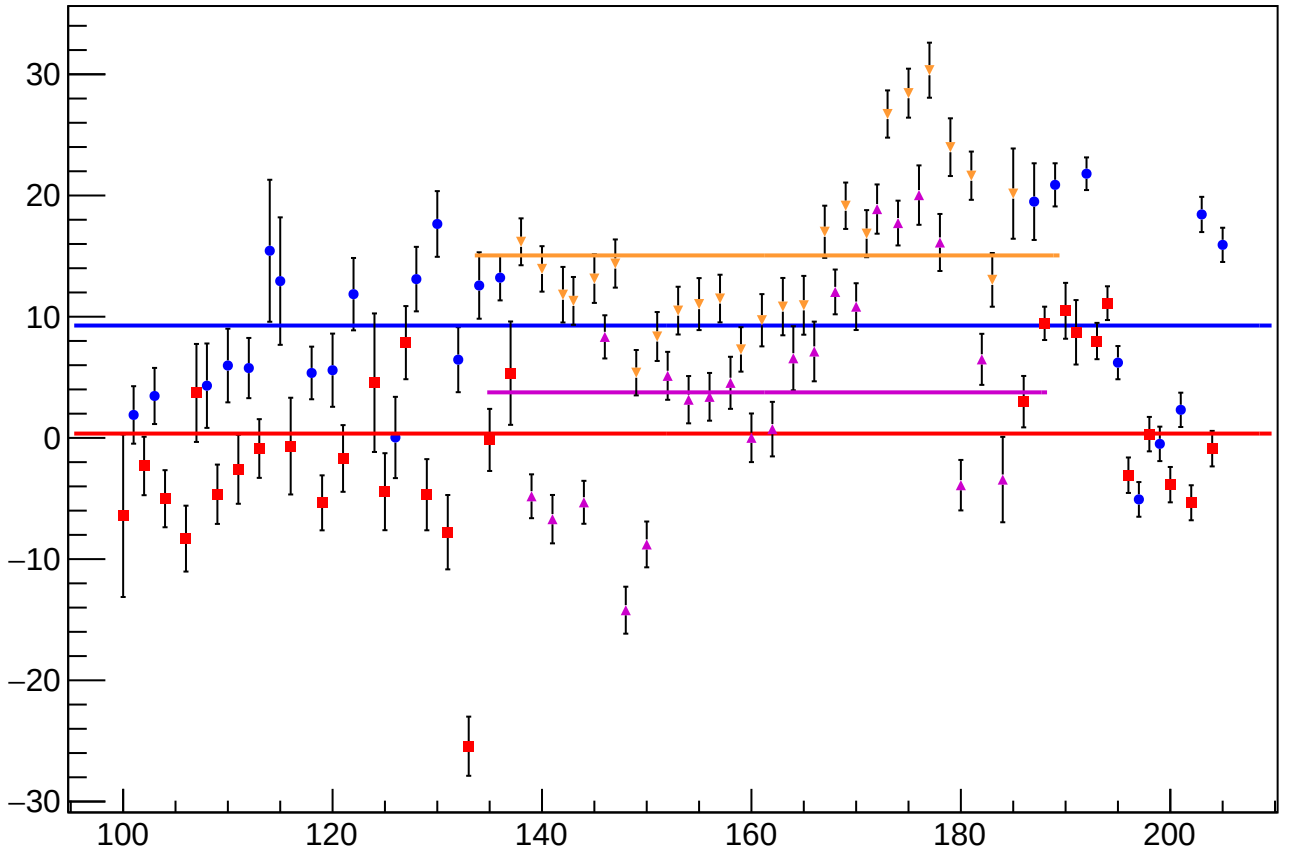
Left: 2078.944+/-0.243 χ^2/NDF: 1500500.6/47

Right: 1650.258+/-0.218 χ^2/NDF: 1200321.4/54

In: 1827.414+/-0.232 χ^2/NDF:2301334.0/47

Out: 1854.373+/-0.226 χ^2/NDF:2121838.9/54

All: 1841.257+/-0.162 χ^2/NDF: 4430089.2/10



Right In: 9.271+/-0.405 χ^2/NDF: 432.6/24

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 0.358+/-0.387 χ^2/NDF: 353.2/29

Left In: 3.758+/-0.428 χ^2/NDF:459.1/22

Left: 9.570+/-0.298 χ^2/NDF: 1064.0/47

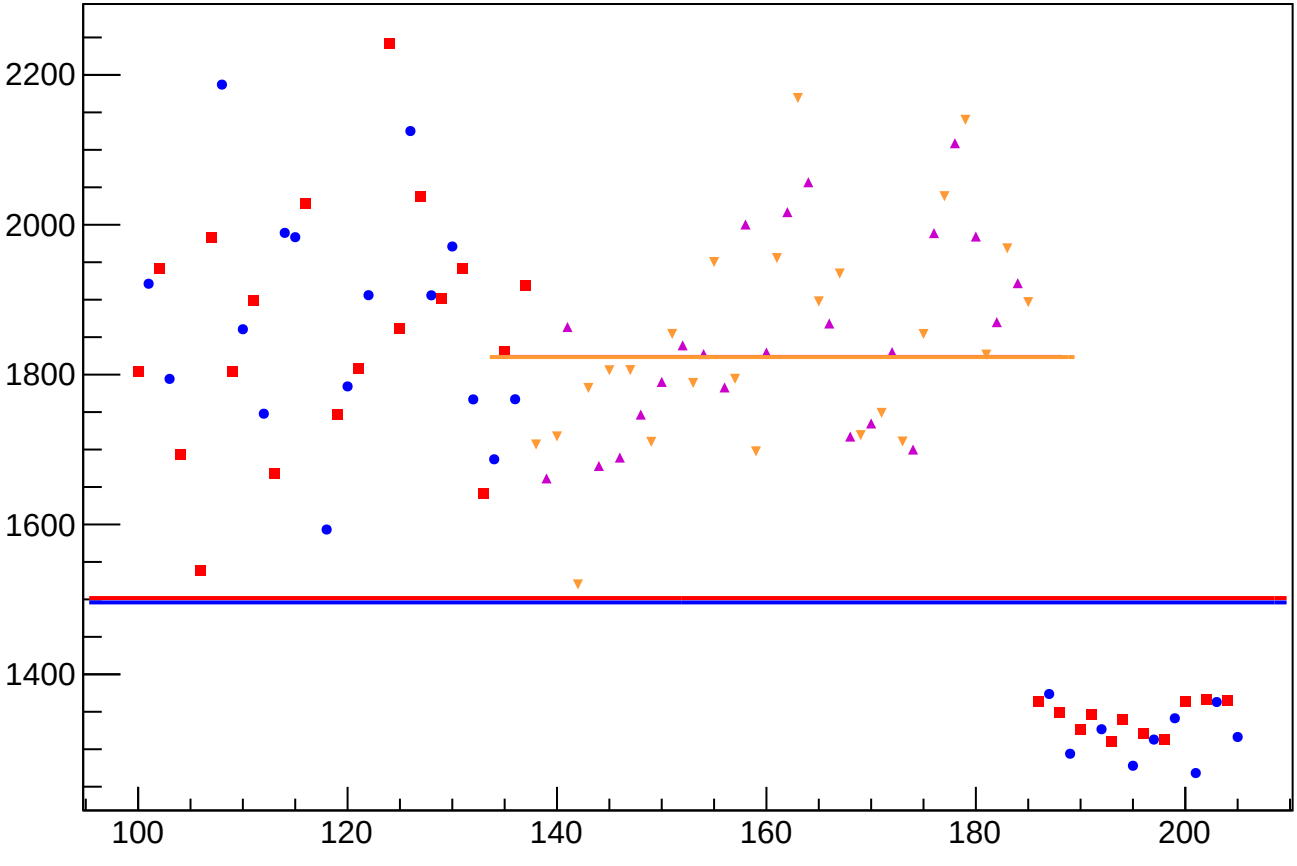
Right: 4.612+/-0.280 χ^2/NDF: 1039.0/54

In: 6.666+/-0.294 χ^2/NDF:979.2/47

Out: 7.182+/-0.283 χ^2/NDF:1269.2/54

All: 6.934+/-0.204 χ^2/NDF: 2250.0/102

diff_bpm0i01aY_rms vs Slug, Sign Corrected



Right In: 1495.961+/-0.286 χ^2/NDF: 836524.0/24

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1501.783+/-0.274 χ^2/NDF: 763253.3/29

Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

Left: 1823.537+/-0.211 χ^2/NDF: 375042.4/47

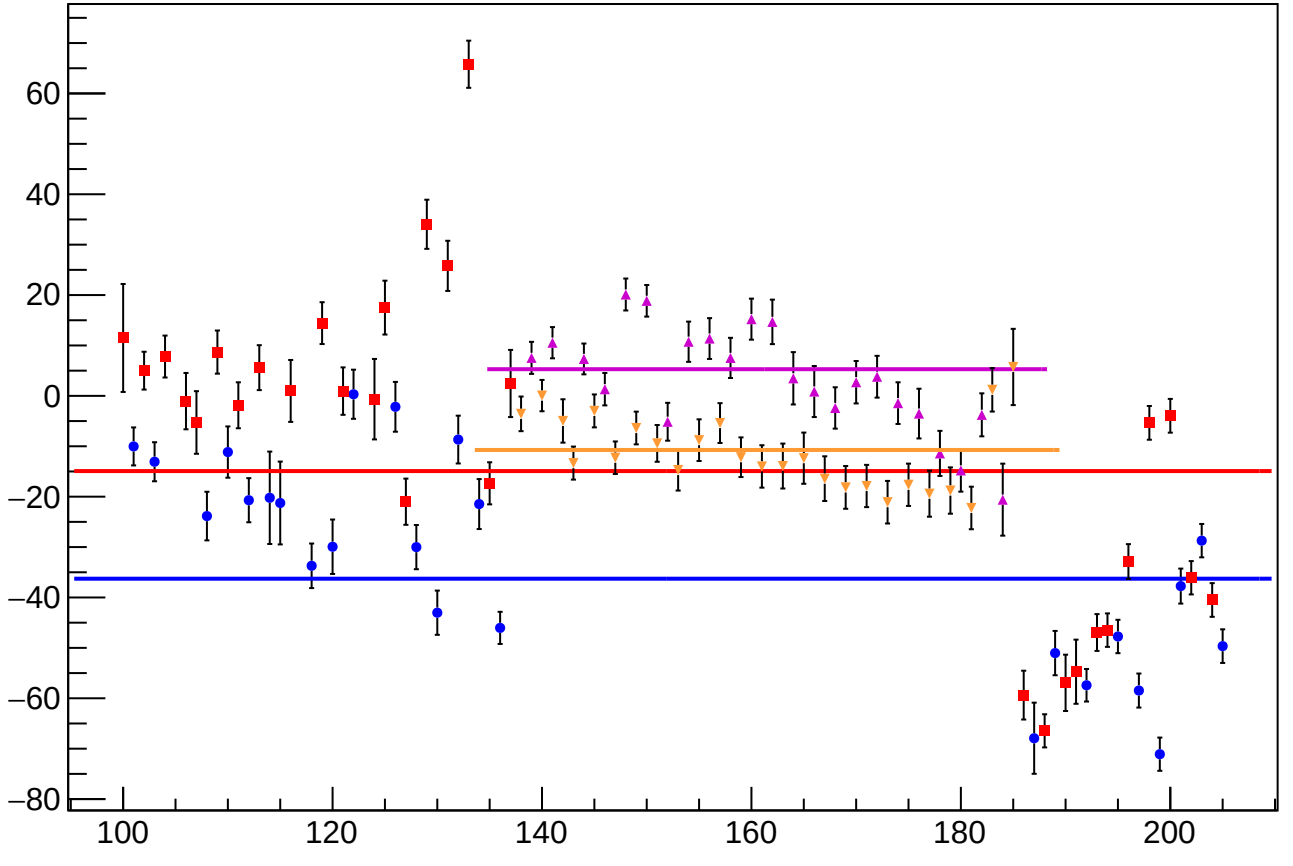
Right: 1499.004+/-0.198 χ^2/NDF: 1599993.3/54

In: 1650.827+/-0.208 χ^2/NDF:1618993.5/47

Out: 1651.132+/-0.200 χ^2/NDF:1616091.0/54

All: 1650.986+/-0.144 χ^2/NDF: 3235085.7/10

diff_bpm0l01X_mean vs Slug, Sign Corrected



Right In: -36.274+/-0.829 χ^2/NDF: 559.2/24

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: -14.921+/-0.794 χ^2/NDF: 1453.9/29

Left In: 5.291+/-0.814 χ^2/NDF:133.6/22

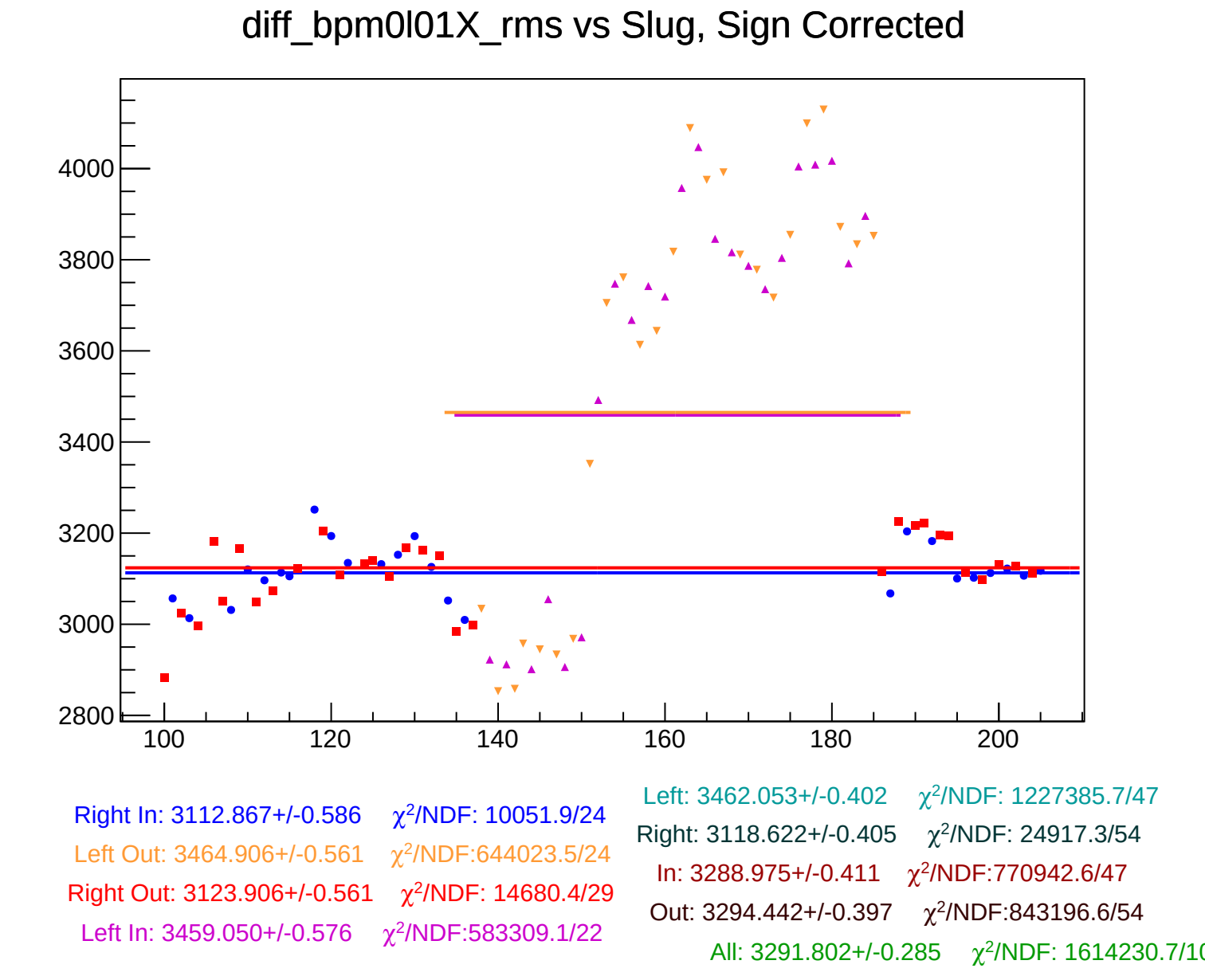
Left: -2.925+/-0.568 χ^2/NDF: 405.9/47

Right: -25.142+/-0.573 χ^2/NDF: 2359.3/54

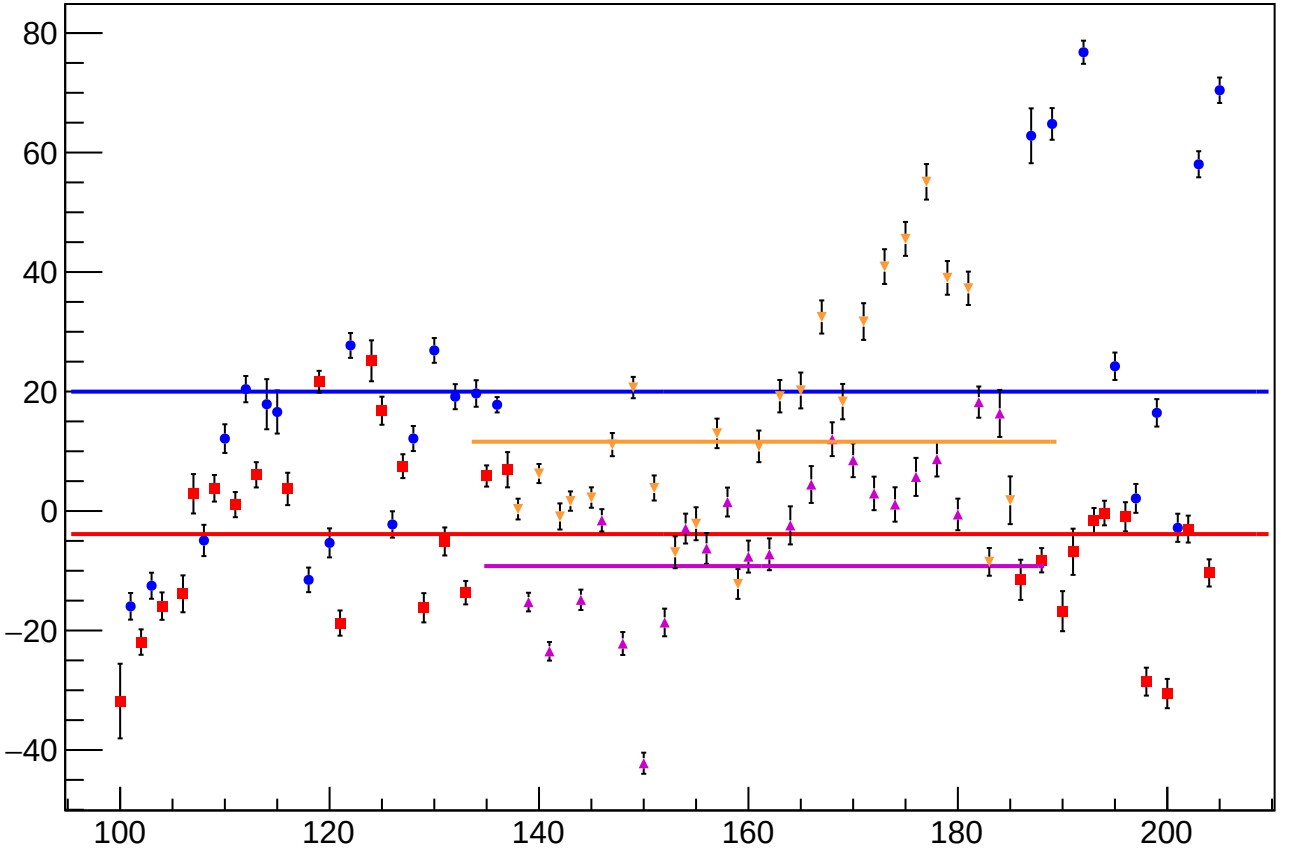
In: -15.129+/-0.581 χ^2/NDF:1972.8/47

Out: -12.826+/-0.561 χ^2/NDF:1541.6/54

All: -13.939+/-0.404 χ^2/NDF: 3522.5/102


diff_bpm0l01X_rms vs Slug, Sign Corrected
4000
3800
3600
3400
3200
3000
2800
100
120
140
160
180
200
Right In: 3112.867+/-0.586 χ²/NDF: 10051.9/24
Left Out: 3464.906+/-0.561 χ²/NDF:644023.5/24
Right Out: 3123.906+/-0.561 χ²/NDF: 14680.4/29
Left In: 3459.050+/-0.576 χ²/NDF:583309.1/22
Left: 3462.053+/-0.402 χ²/NDF: 1227385.7/47
Right: 3118.622+/-0.405 χ²/NDF: 24917.3/54
In: 3288.975+/-0.411 χ²/NDF:770942.6/47
Out: 3294.442+/-0.397 χ²/NDF:843196.6/54
All: 3291.802+/-0.285 χ²/NDF: 1614230.7/10

diff_bpm0l01Y_mean vs Slug, Sign Corrected



Right In: 19.982+/-0.446 χ^2/NDF: 3323.9/24

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: -3.858+/-0.432 χ^2/NDF: 971.6/29

Left In: -9.213+/-0.484 χ^2/NDF:940.6/22

Left: 1.641+/-0.335 χ^2/NDF: 3102.6/47

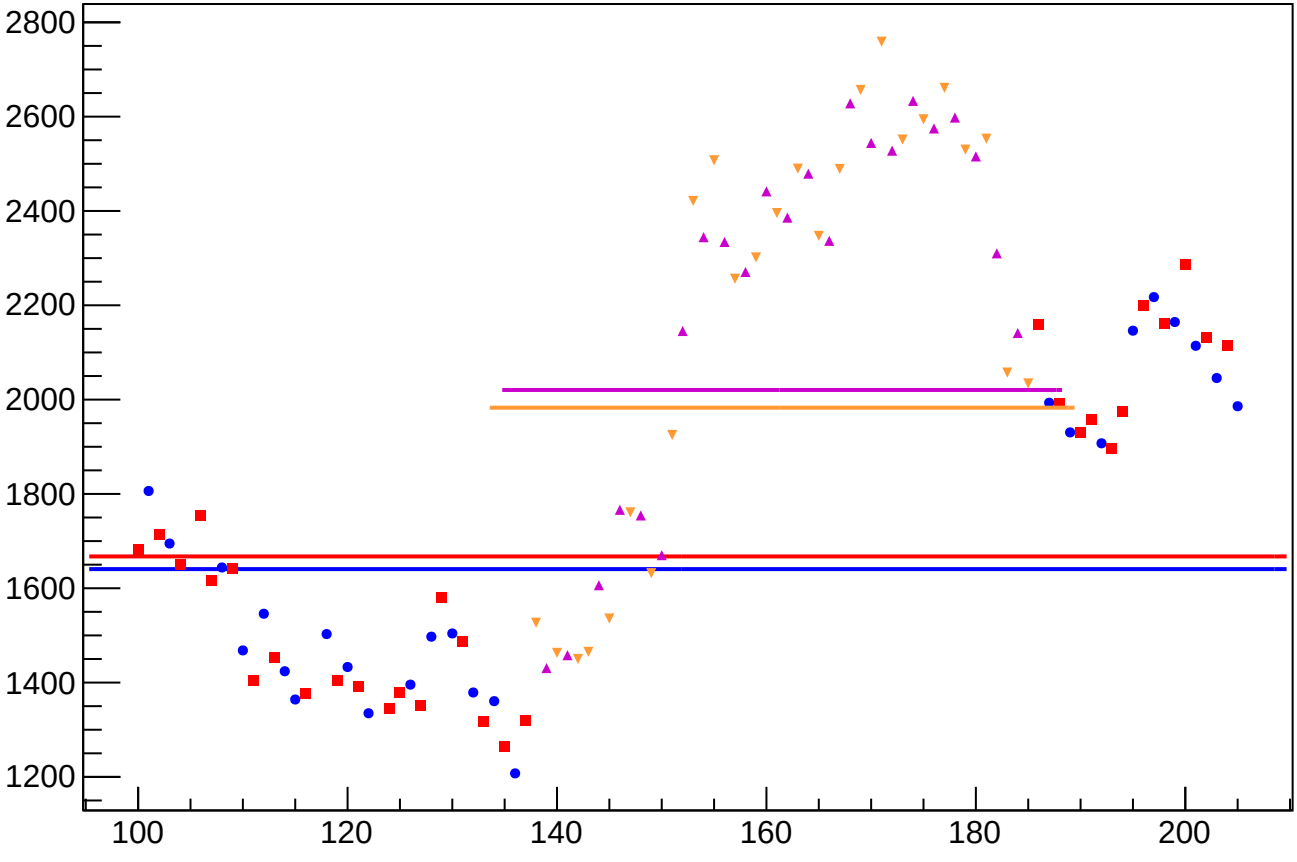
Right: 7.698+/-0.310 χ^2/NDF: 5769.0/54

In: 6.576+/-0.328 χ^2/NDF:6233.8/47

Out: 3.336+/-0.316 χ^2/NDF:2763.3/54

All: 4.897+/-0.228 χ^2/NDF: 9047.8/102

diff_bpm0l01Y_rms vs Slug, Sign Corrected



Right In: 1640.603+/-0.315 χ^2/NDF: 1035125.8/24

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1667.477+/-0.306 χ^2/NDF: 1119309.8/29

Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

Left: 2000.860+/-0.237 χ^2/NDF: 3598659.4/47

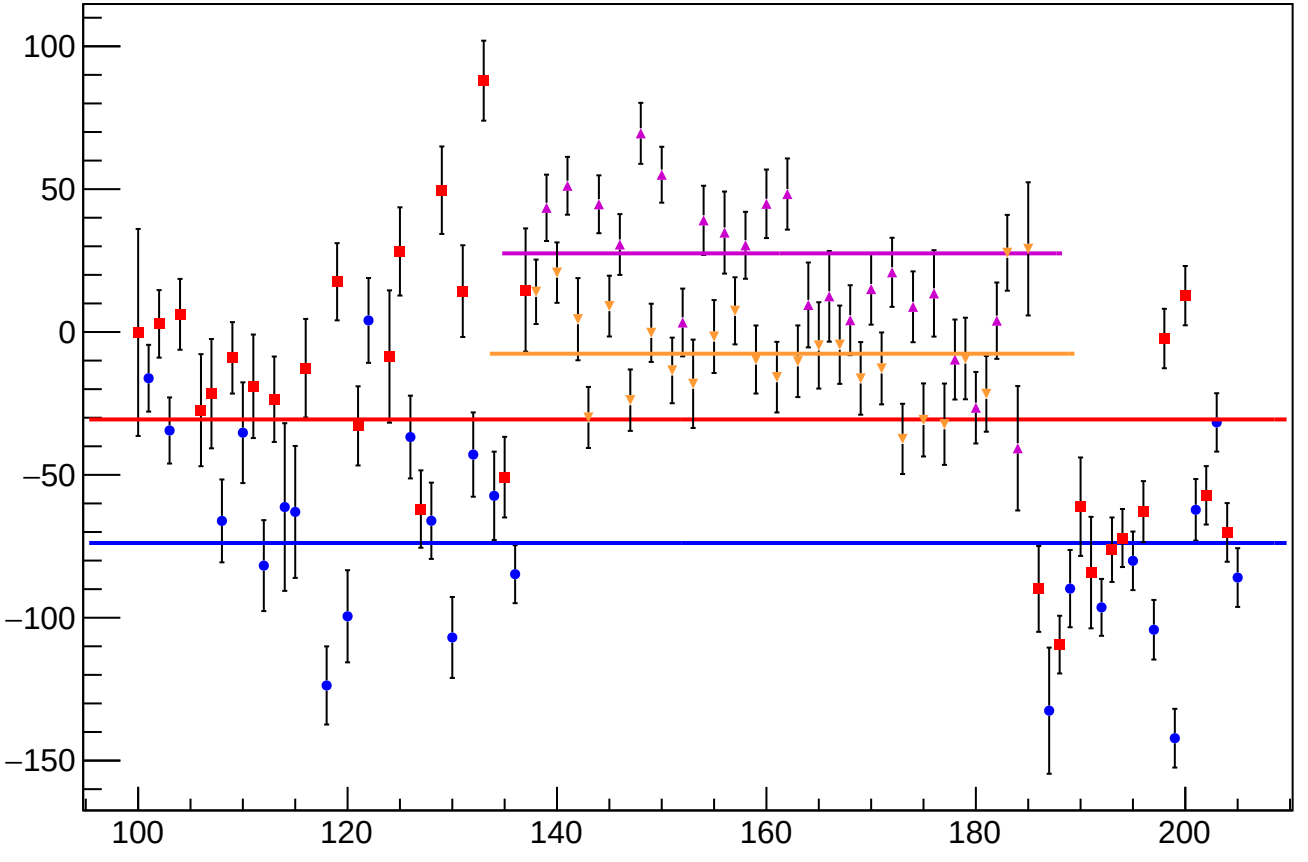
Right: 1654.449+/-0.219 χ^2/NDF: 2158180.3/54

In: 1815.027+/-0.232 χ^2/NDF:3316618.0/47

Out: 1814.270+/-0.224 χ^2/NDF:3592205.4/54

All: 1814.635+/-0.161 χ^2/NDF: 6908828.9/10

diff_bpm0l02X_mean vs Slug, Sign Corrected



Right In: -73.841+/-2.575 χ^2/NDF: 190.3/24

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -30.602+/-2.471 χ^2/NDF: 345.2/29

Left In: 27.528+/-2.556 χ^2/NDF:93.0/22

Left: 9.540+/-1.786 χ^2/NDF: 237.6/47

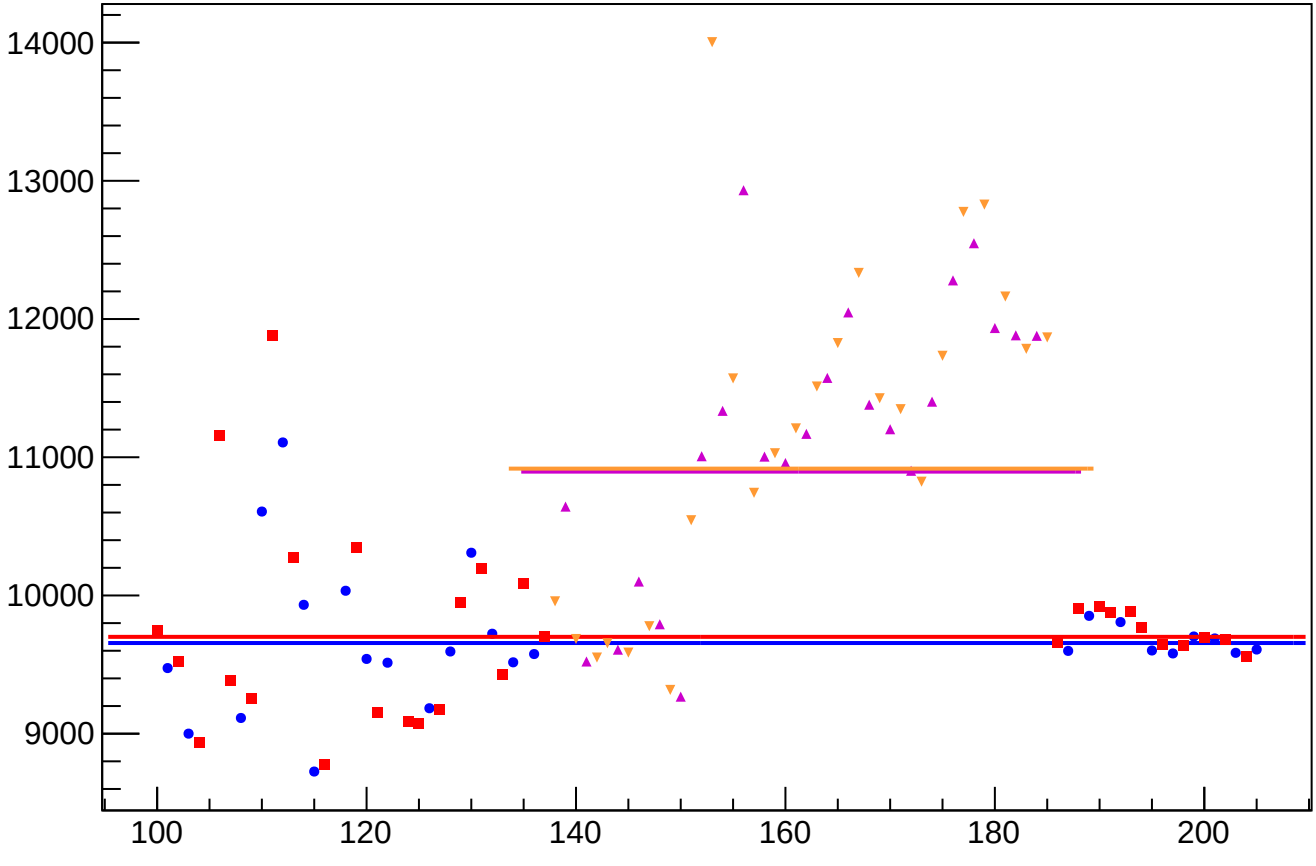
Right: -51.326+/-1.783 χ^2/NDF: 682.3/54

In: -22.782+/-1.814 χ^2/NDF:1063.6/47

Out: -19.209+/-1.756 χ^2/NDF:436.1/54

All: -20.937+/-1.262 χ^2/NDF: 1501.7/102

diff_bpm0l02X_rms vs Slug, Sign Corrected



Right In: 9655.927+/-1.821 χ^2/NDF: 45381.4/24

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9700.567+/-1.747 χ^2/NDF: 82501.9/29

Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

Left: 10907.115+/-1.263 χ^2/NDF: 723974.2/47

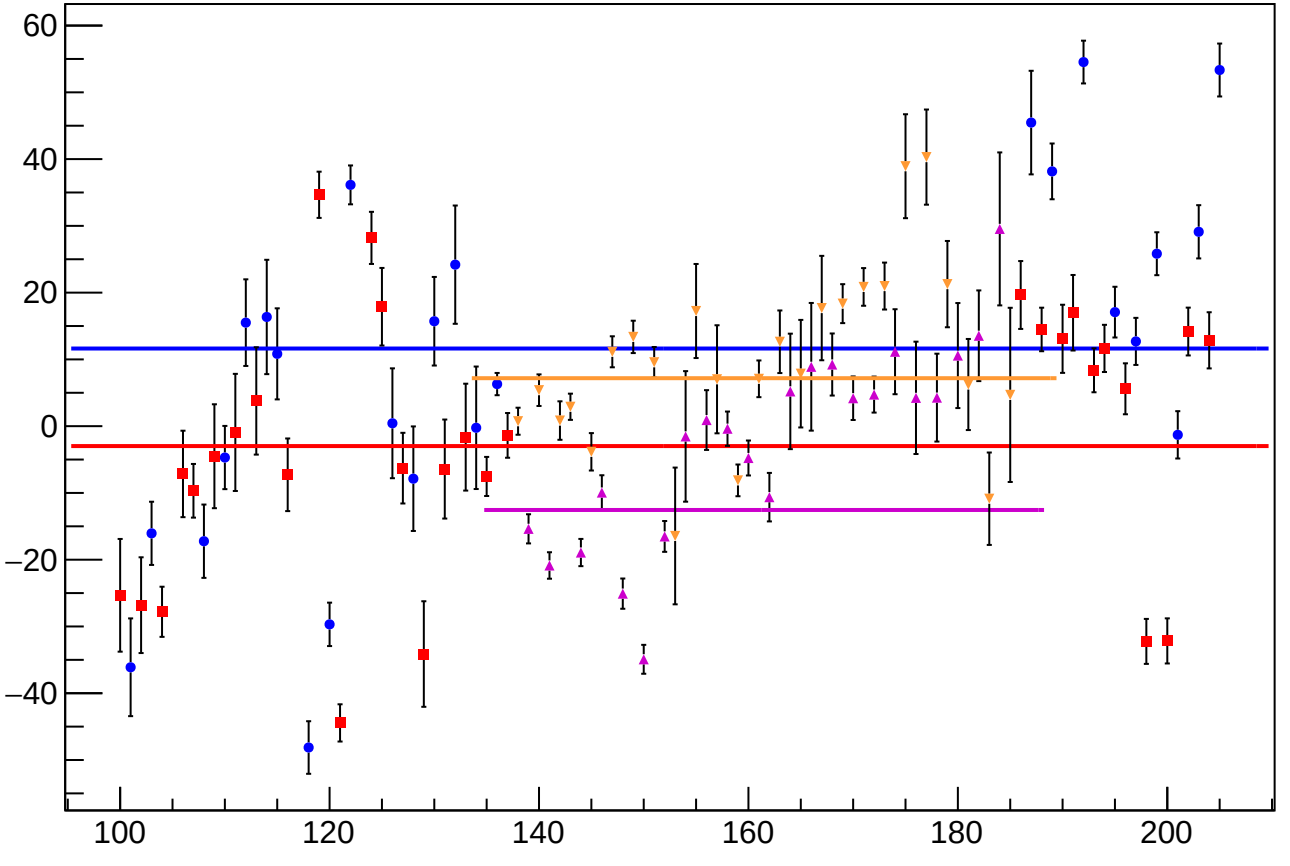
Right: 9679.171+/-1.261 χ^2/NDF: 128196.1/54

In: 10280.545+/-1.283 χ^2/NDF:576991.7/47

Out: 10303.237+/-1.241 χ^2/NDF:748623.8/54

All: 10292.264+/-0.892 χ^2/NDF: 1325777.0/1

diff_bpm0l02Y_mean vs Slug, Sign Corrected



Right In: 11.629+/-0.806 χ^2/NDF: 1005.7/24

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: -2.981+/-0.785 χ^2/NDF: 793.2/29

Left In: -12.553+/-0.661 χ^2/NDF:372.1/22

Left: -2.580+/-0.465 χ^2/NDF: 1025.0/47

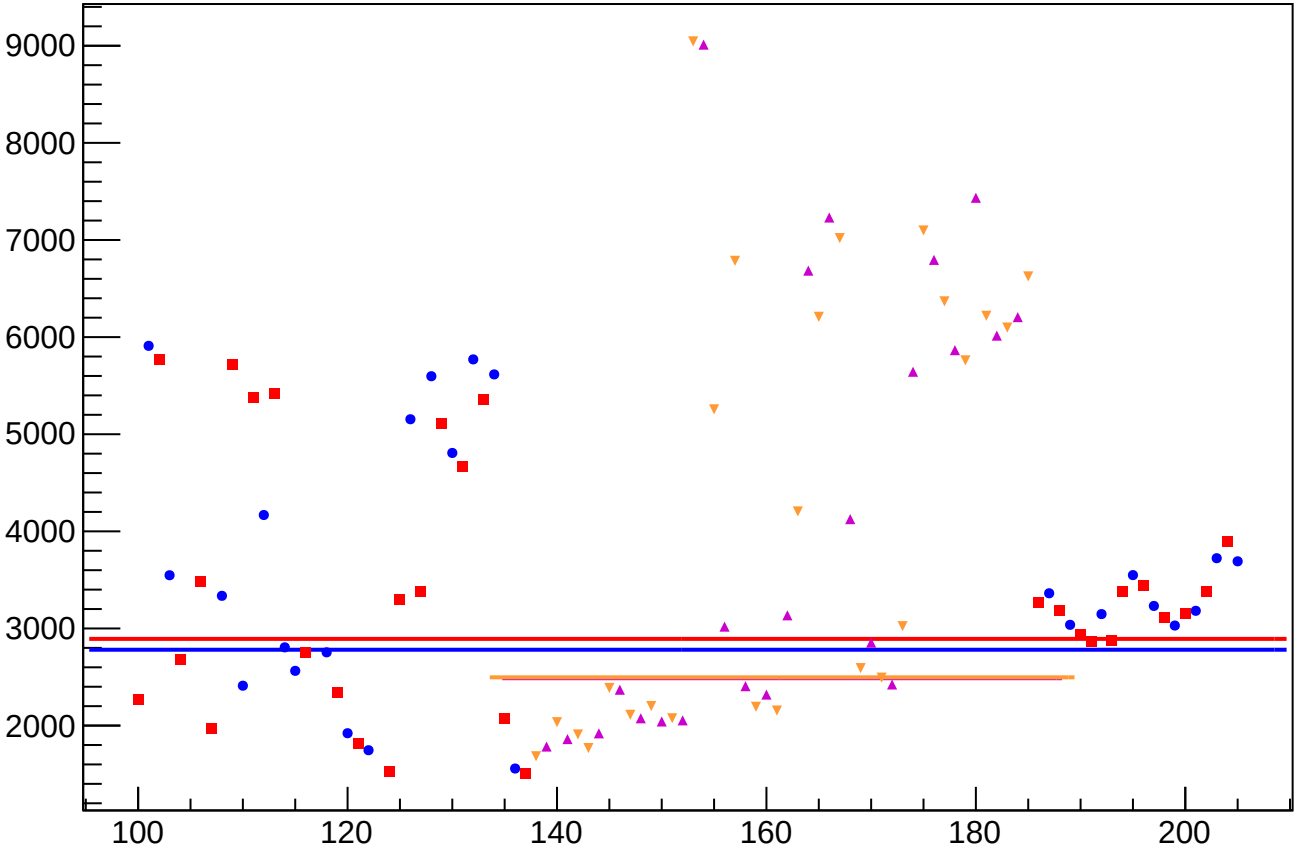
Right: 4.134+/-0.562 χ^2/NDF: 1967.5/54

In: -2.837+/-0.511 χ^2/NDF:1916.3/47

Out: 3.025+/-0.502 χ^2/NDF:1093.9/54

All: 0.143+/-0.358 χ^2/NDF: 3077.2/102

diff_bpm0l02Y_rms vs Slug, Sign Corrected



Right In: 2781.001+/-0.570 χ^2/NDF: 3457822.9/24

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2892.786+/-0.555 χ^2/NDF: 2945502.4/29

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

Left: 2492.309+/-0.329 χ^2/NDF: 13309485.2/47

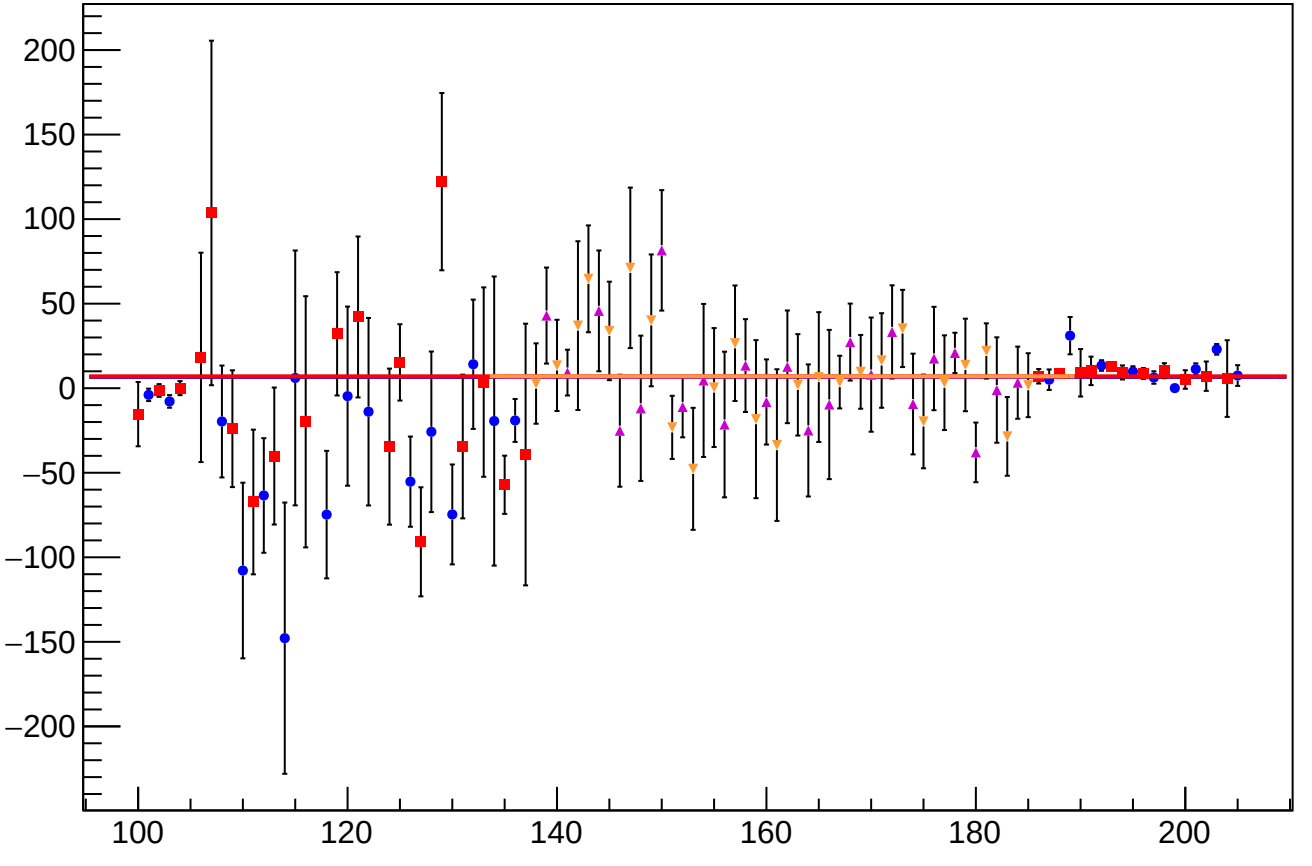
Right: 2838.343+/-0.398 χ^2/NDF: 6423058.8/54

In: 2605.550+/-0.361 χ^2/NDF:9719697.9/47

Out: 2658.840+/-0.355 χ^2/NDF:10451711.0/54

All: 2632.642+/-0.253 χ^2/NDF: 20182471.7/

diff_bpm0l03X_mean vs Slug, Sign Corrected



Right In: 6.698+/-1.119 χ^2/NDF: 103.6/24

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 6.993+/-1.183 χ^2/NDF: 52.7/29

Left In: 6.944+/-5.090 χ^2/NDF:21.1/22

Left: 7.000+/-3.647 χ^2/NDF: 40.7/47

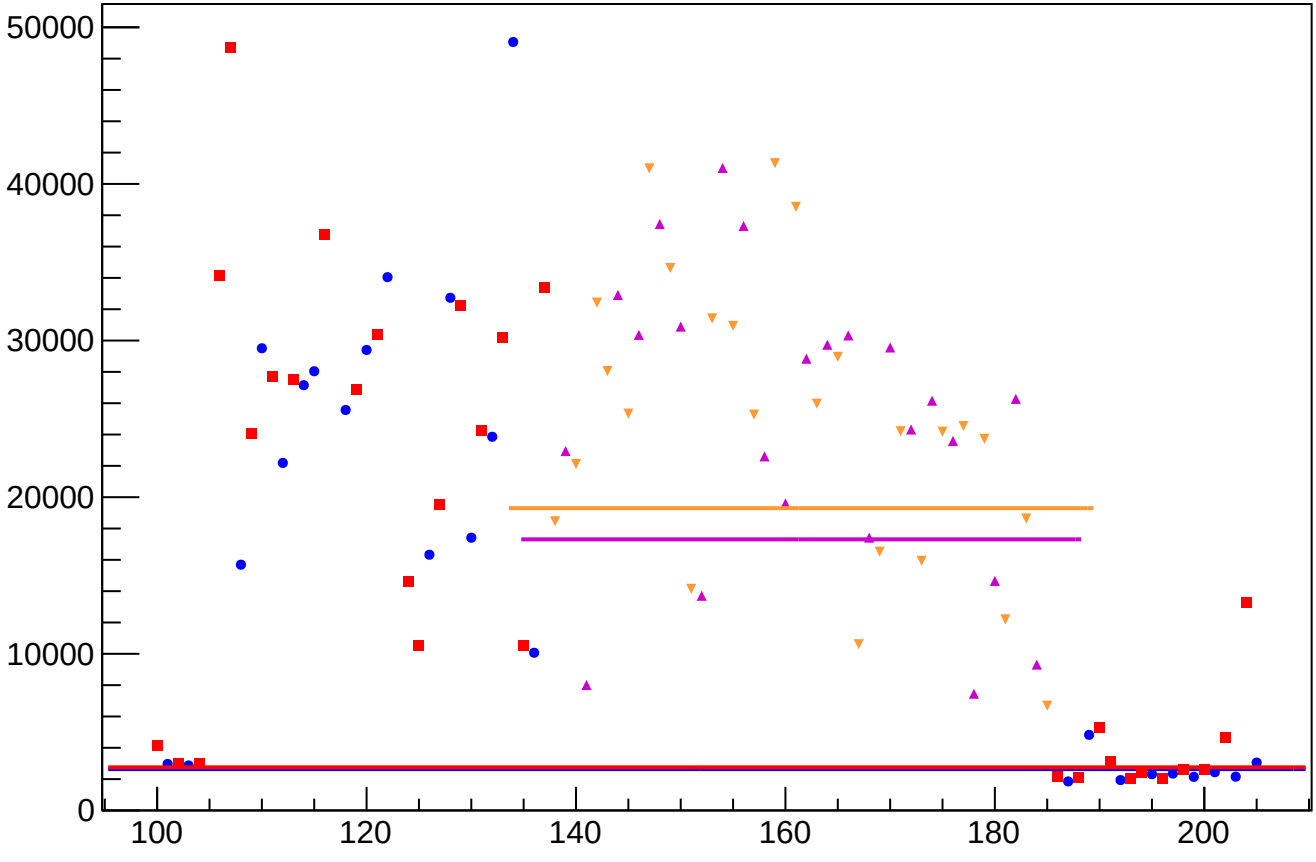
Right: 6.837+/-0.813 χ^2/NDF: 156.3/54

In: 6.709+/-1.092 χ^2/NDF:124.7/47

Out: 6.996+/-1.154 χ^2/NDF:72.2/54

All: 6.845+/-0.793 χ^2/NDF: 197.0/102

diff_bpm0l03X_rms vs Slug, Sign Corrected



Right In: 2640.807+/-0.791 χ^2/NDF: 7928594.9/24

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2752.504+/-0.837 χ^2/NDF: 9331268.7/29

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

Left: 18277.793+/-2.579 χ^2/NDF: 11905813.9/47

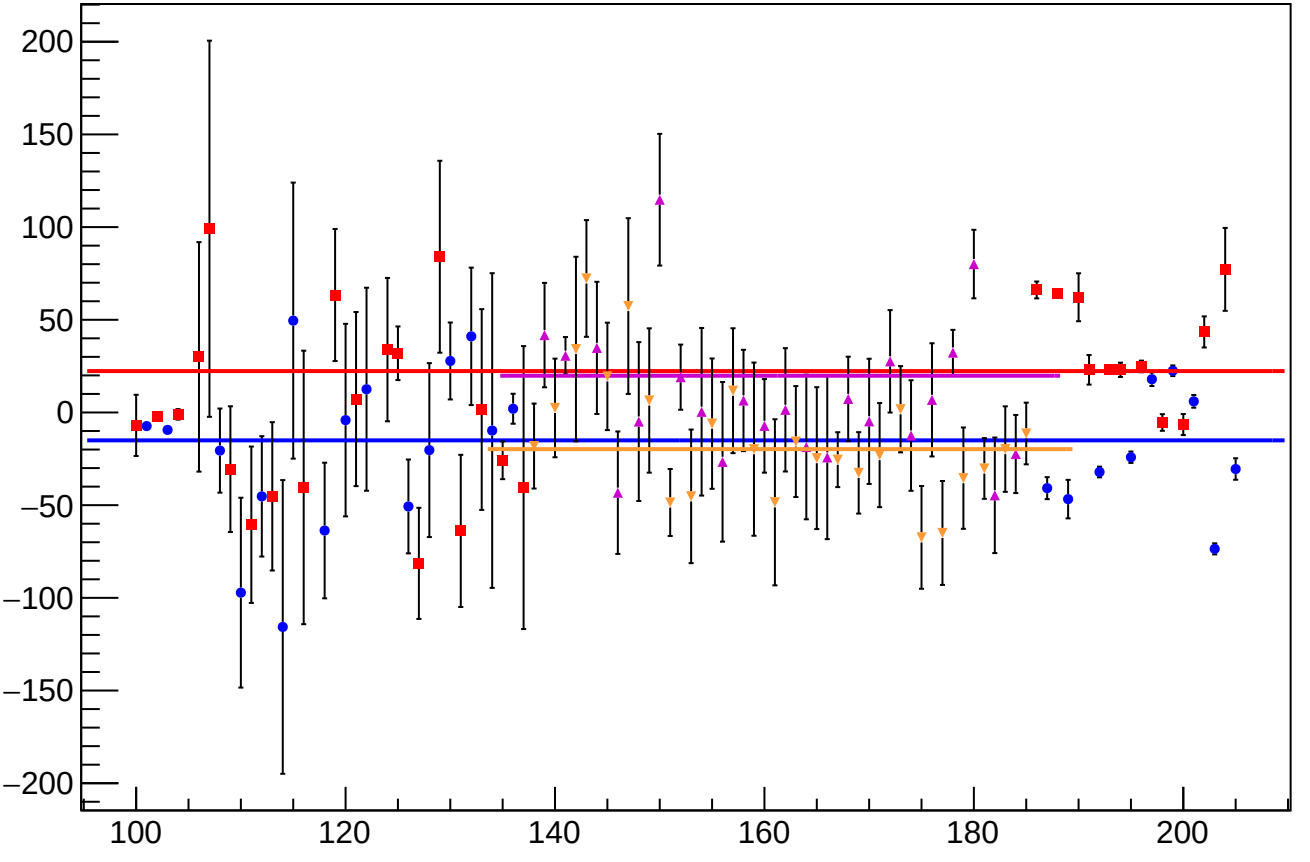
Right: 2693.529+/-0.575 χ^2/NDF: 17269277.4/54

In: 3316.385+/-0.772 χ^2/NDF:30489915.4/47

Out: 3558.651+/-0.816 χ^2/NDF:33430888.5/54

All: 3430.904+/-0.561 χ^2/NDF: 63967296.6/1

diff_bpm0l03Y_mean vs Slug, Sign Corrected



Right In: -15.042+/-0.988 χ^2/NDF: 786.6/24

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: 22.334+/-1.037 χ^2/NDF: 665.9/29

Left In: 19.822+/-4.846 χ^2/NDF:40.3/22

Left: 1.103+/-3.518 χ^2/NDF: 99.6/47

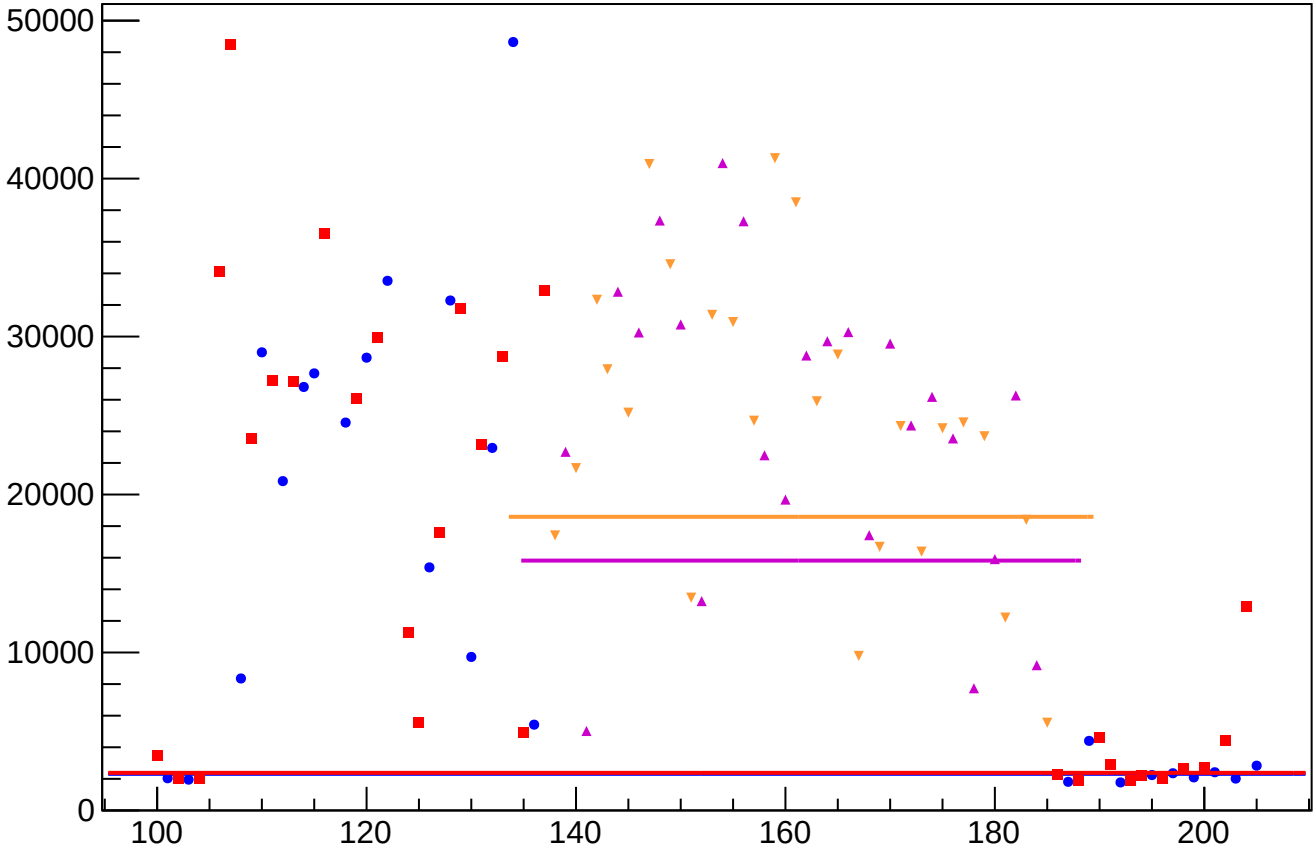
Right: 2.740+/-0.715 χ^2/NDF: 2133.5/54

In: -13.651+/-0.968 χ^2/NDF:876.6/47

Out: 20.672+/-1.016 χ^2/NDF:758.7/54

All: 2.675+/-0.701 χ^2/NDF: 2233.3/102

diff_bpm0l03Y_rms vs Slug, Sign Corrected



Right In: 2319.057+/-0.699 χ^2/NDF: 7063529.0/24

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2380.691+/-0.733 χ^2/NDF: 8894225.3/29

Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

Left: 17128.048+/-2.488 χ^2/NDF: 14414756.2/47

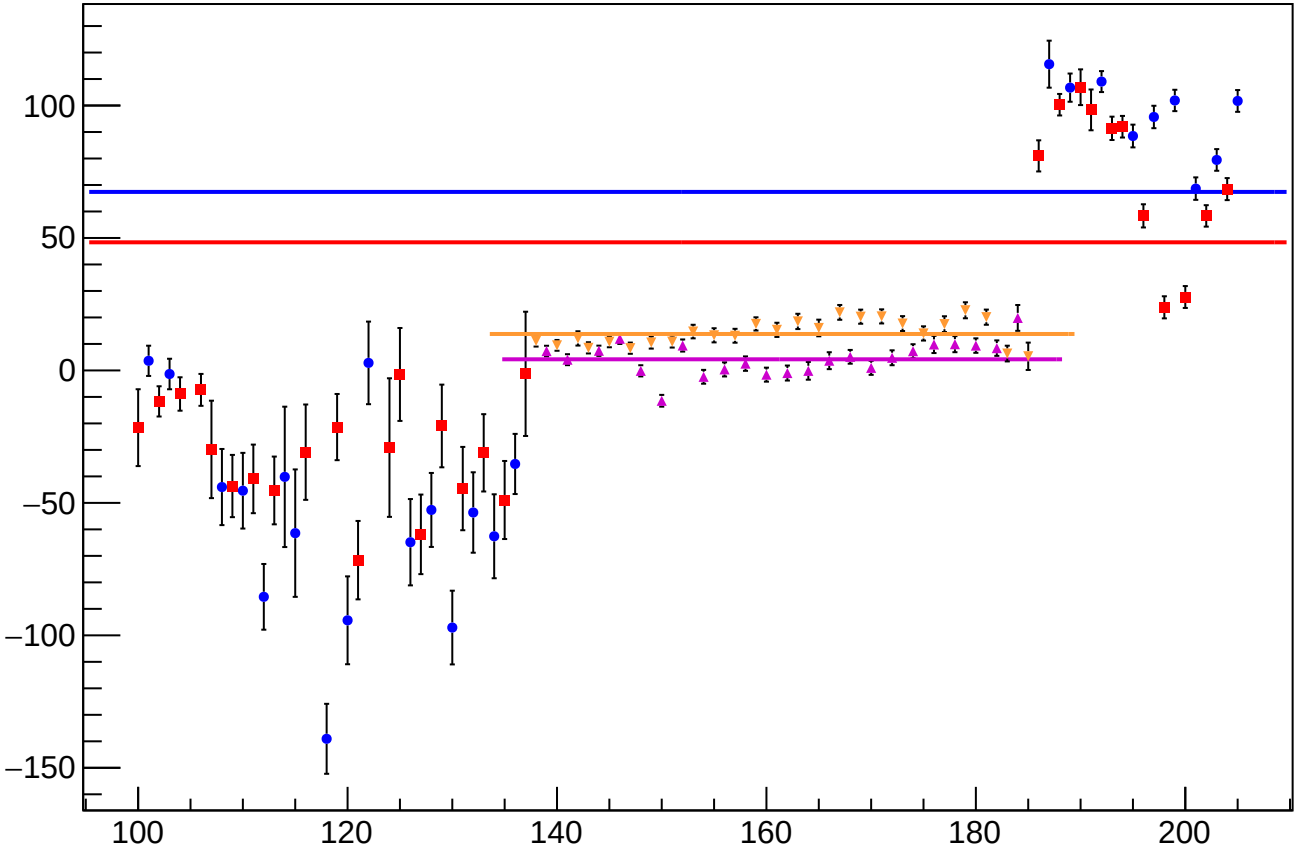
Right: 2348.381+/-0.506 χ^2/NDF: 15961457.6/54

In: 2857.792+/-0.685 χ^2/NDF:30371784.6/47

Out: 3020.212+/-0.719 χ^2/NDF:33870258.2/54

All: 2935.049+/-0.496 χ^2/NDF: 64268823.9/1

diff_bpm0l04X_mean vs Slug, Sign Corrected



Right In: 67.389+/-1.311 χ^2/NDF: 1850.7/24

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 48.362+/-1.213 χ^2/NDF: 1417.5/29

Left In: 4.202+/-0.530 χ^2/NDF:123.9/22

Left: 9.129+/-0.369 χ^2/NDF: 368.8/47

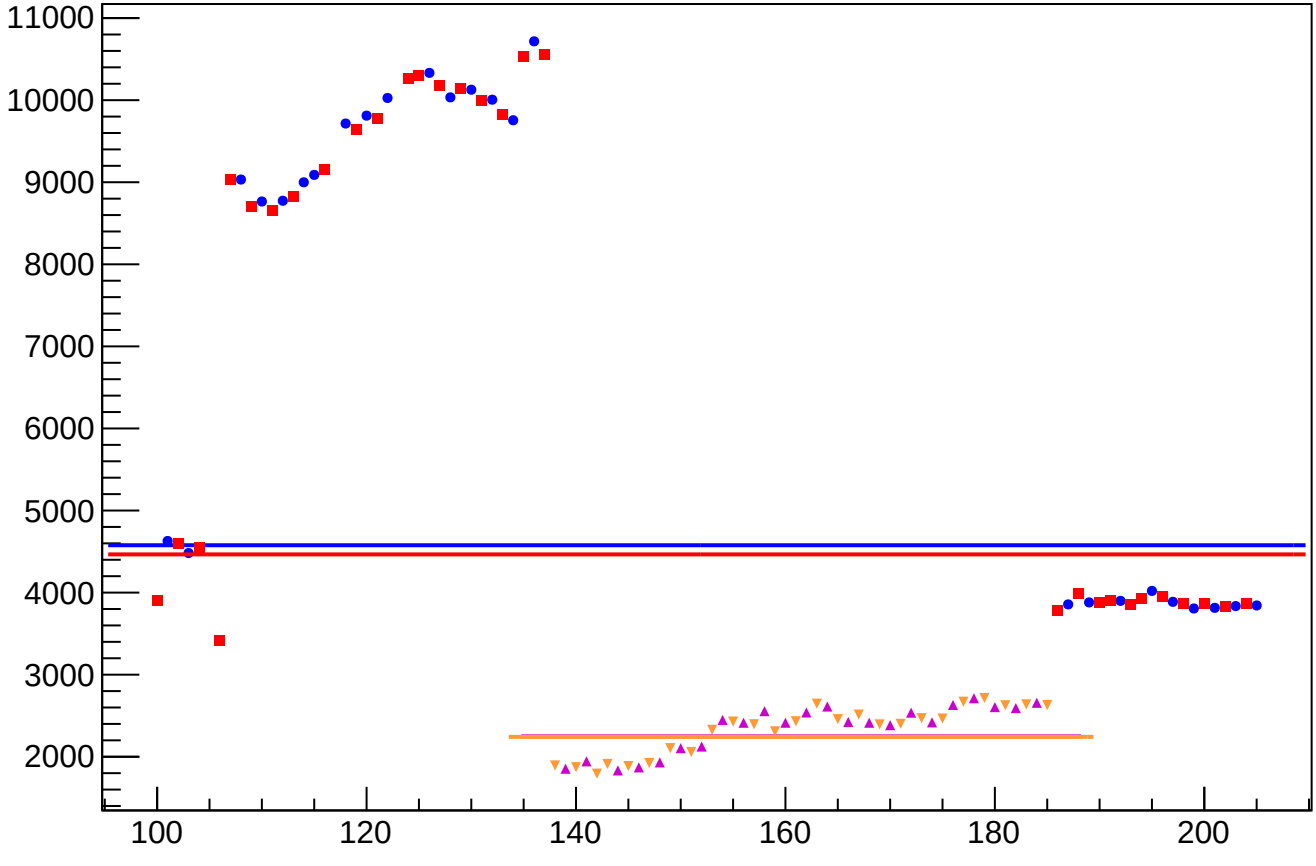
Right: 57.135+/-0.890 χ^2/NDF: 3381.7/54

In: 13.080+/-0.491 χ^2/NDF:3971.2/47

Out: 19.030+/-0.473 χ^2/NDF:2184.9/54

All: 16.167+/-0.341 χ^2/NDF: 6232.1/102

diff_bpm0l04X_rms vs Slug, Sign Corrected



Right In: 4577.087+/-0.927 χ^2/NDF: 3853406.4/24

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4465.609+/-0.858 χ^2/NDF: 3847705.6/29

Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

Left: 2245.362+/-0.261 χ^2/NDF: 1300264.0/47

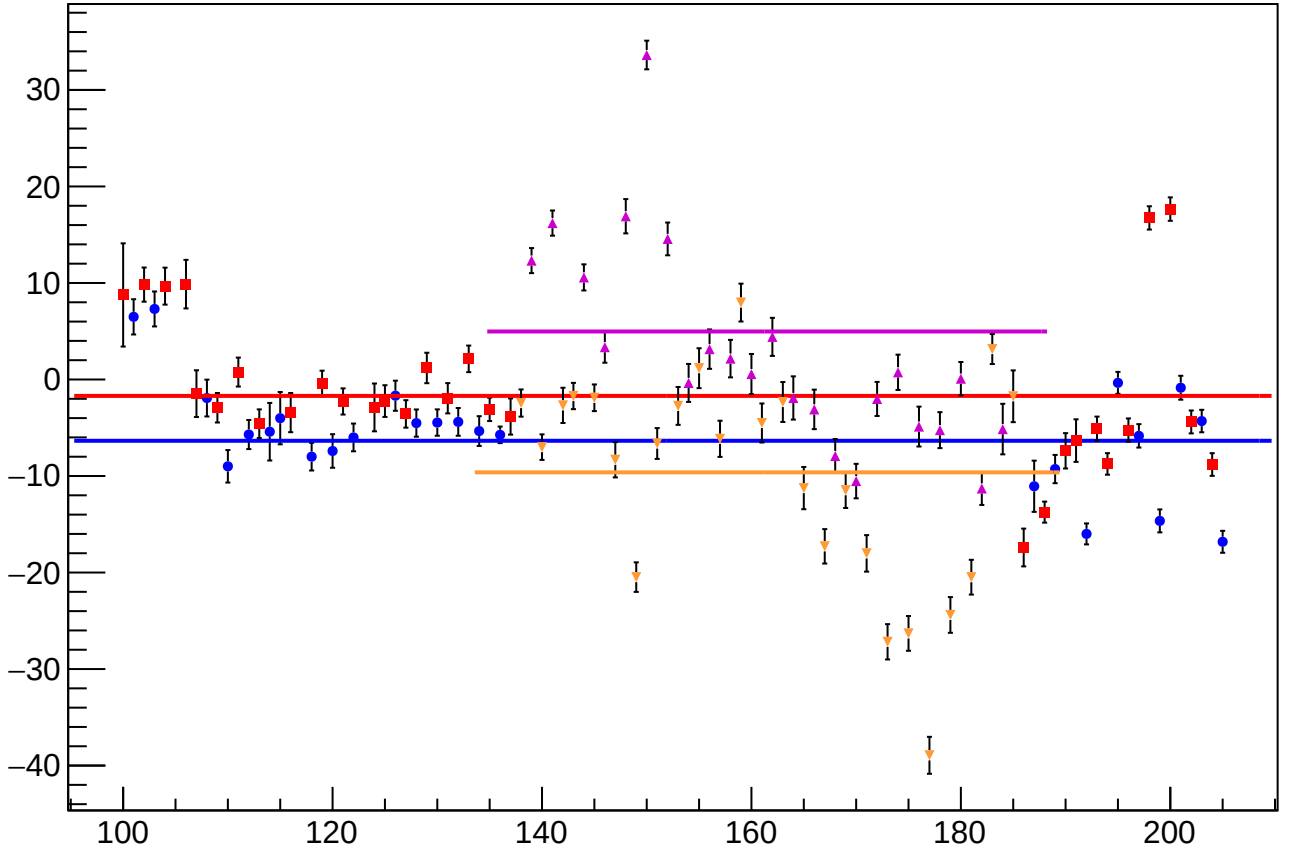
Right: 4517.012+/-0.629 χ^2/NDF: 7708905.0/54

In: 2575.747+/-0.347 χ^2/NDF:9918339.4/47

Out: 2580.921+/-0.335 χ^2/NDF:10204048.4/54

All: 2578.431+/-0.241 χ^2/NDF: 20122502.8/1

diff_bpm0l04Y_mean vs Slug, Sign Corrected



Right In: -6.349+/-0.280 χ^2/NDF: 402.7/24

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: -1.699+/-0.272 χ^2/NDF: 912.5/29

Left In: 4.974+/-0.365 χ^2/NDF:929.8/22

Left: -2.641+/-0.252 χ^2/NDF: 2700.1/47

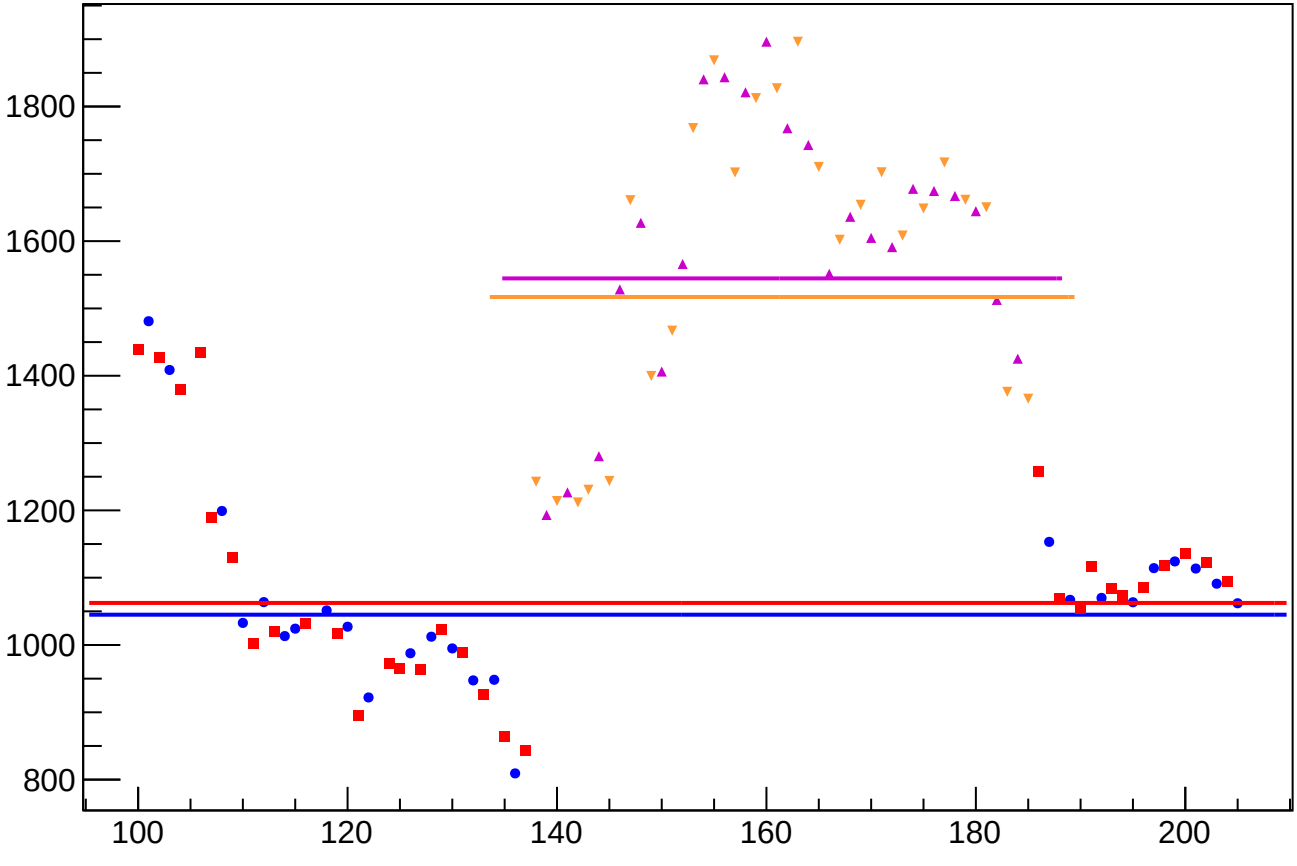
Right: -3.953+/-0.195 χ^2/NDF: 1456.9/54

In: -2.140+/-0.222 χ^2/NDF:1938.4/47

Out: -4.691+/-0.215 χ^2/NDF:2167.4/54

All: -3.461+/-0.154 χ^2/NDF: 4173.9/102

diff_bpm0l04Y_rms vs Slug, Sign Corrected



Right In: 1045.015+/-0.198 χ^2/NDF: 428133.9/24

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1062.479+/-0.192 χ^2/NDF: 406111.3/29

Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

Left: 1530.214+/-0.178 χ^2/NDF: 1477627.5/47

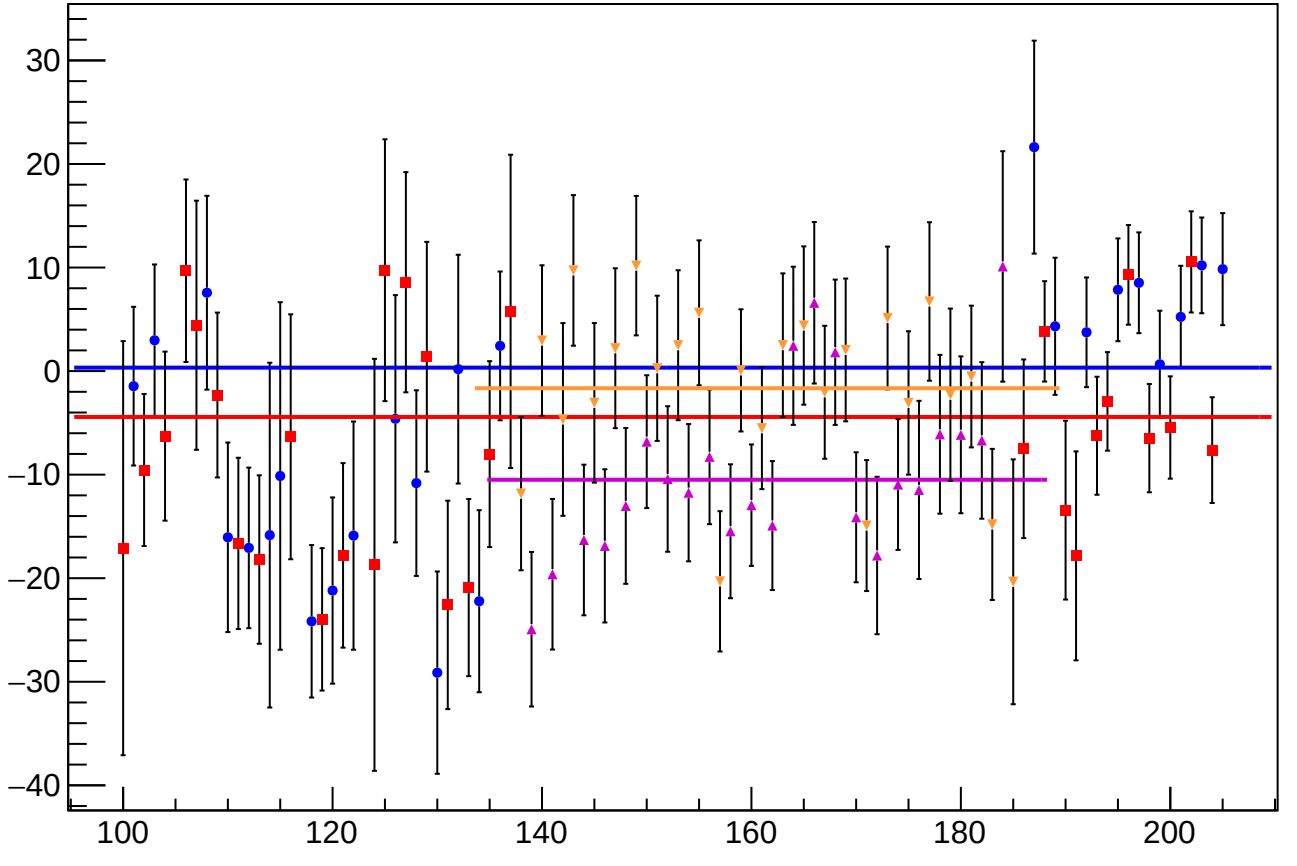
Right: 1054.016+/-0.138 χ^2/NDF: 838243.0/54

In: 1230.703+/-0.157 χ^2/NDF:3426209.1/47

Out: 1234.125+/-0.152 χ^2/NDF:3349129.8/54

All: 1232.475+/-0.109 χ^2/NDF: 6775584.3/10

diff_bpm0l05X_mean vs Slug, Sign Corrected



Right In: 0.334+/-1.411 χ^2/NDF: 65.6/24

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: -4.430+/-1.332 χ^2/NDF: 54.8/29

Left In: -10.492+/-1.480 χ^2/NDF:24.9/22

Left: -5.911+/-1.027 χ^2/NDF: 74.9/47

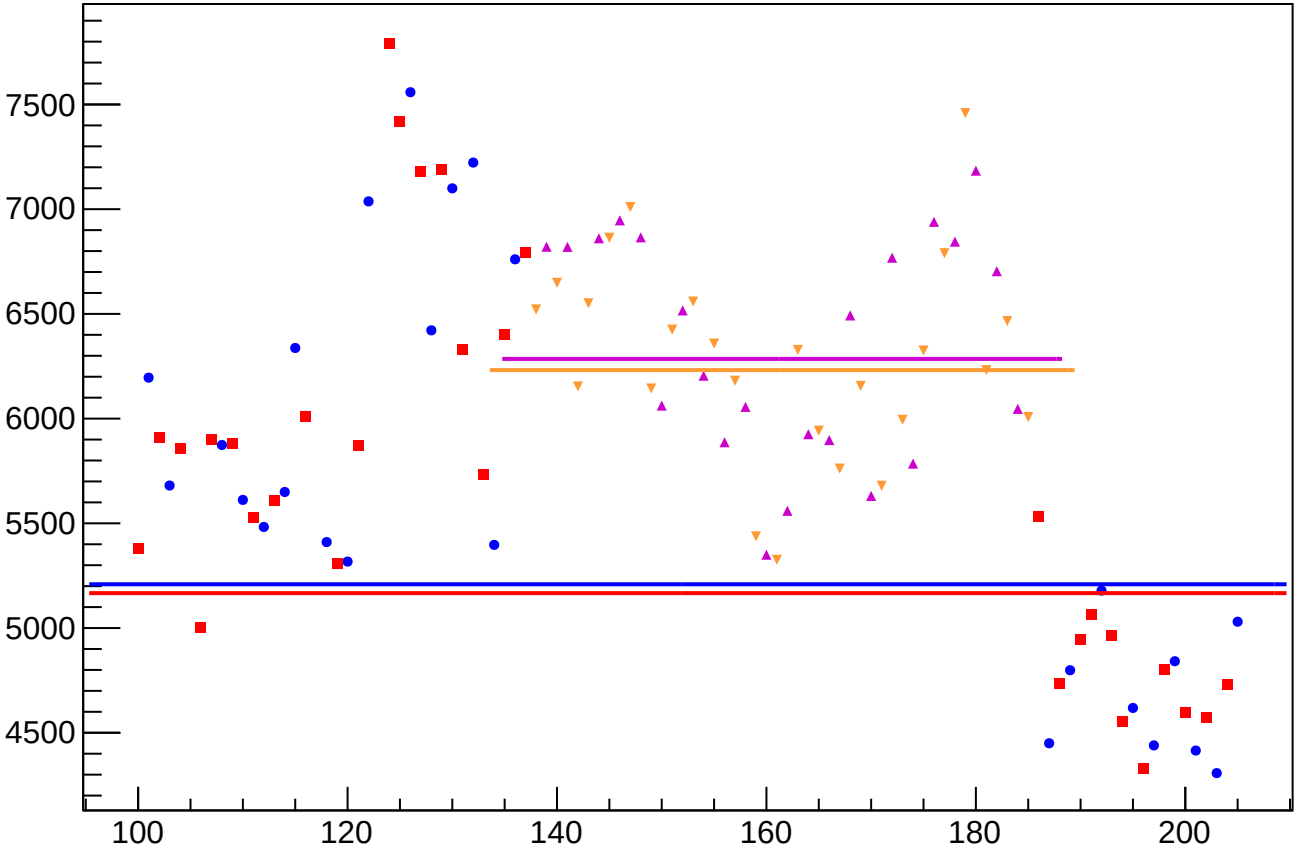
Right: -2.185+/-0.969 χ^2/NDF: 126.5/54

In: -4.821+/-1.021 χ^2/NDF:118.6/47

Out: -3.137+/-0.974 χ^2/NDF:88.3/54

All: -3.939+/-0.705 χ^2/NDF: 208.4/102

diff_bpm0l05X_rms vs Slug, Sign Corrected



Right In: 5208.986+/-0.998 χ^2/NDF: 711983.7/24

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5166.641+/-0.942 χ^2/NDF: 623439.7/29

Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

Left: 6257.332+/-0.726 χ^2/NDF: 493684.0/47

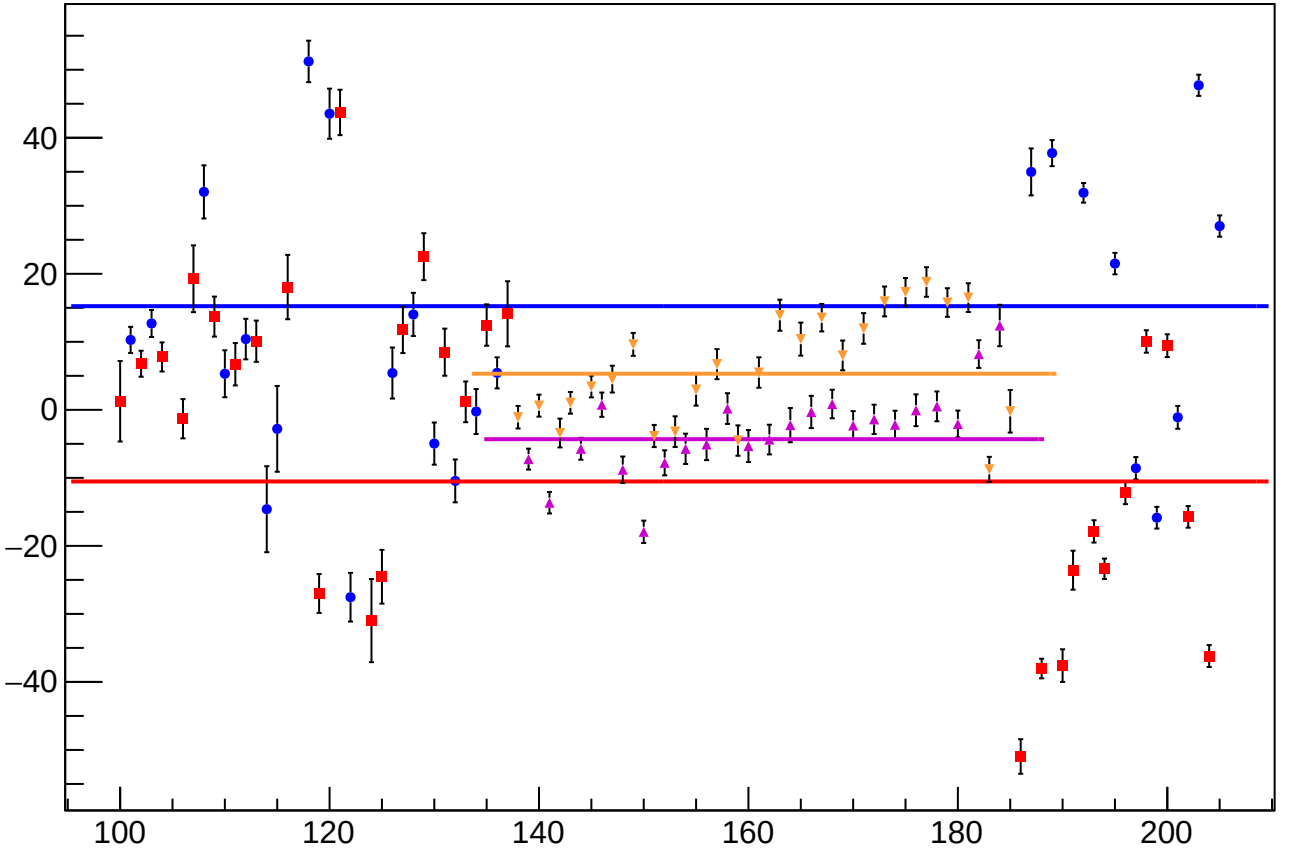
Right: 5186.600+/-0.685 χ^2/NDF: 1336375.9/54

In: 5721.380+/-0.722 χ^2/NDF:1531393.0/47

Out: 5662.795+/-0.688 χ^2/NDF:1445891.0/54

All: 5690.692+/-0.498 χ^2/NDF: 2980732.7/10

diff_bpm0l05Y_mean vs Slug, Sign Corrected



Right In: 15.242+/-0.450 χ^2/NDF: 2062.1/24

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: -10.529+/-0.427 χ^2/NDF: 2392.4/29

Left In: -4.310+/-0.420 χ^2/NDF:220.4/22

Left: 0.733+/-0.290 χ^2/NDF: 873.5/47

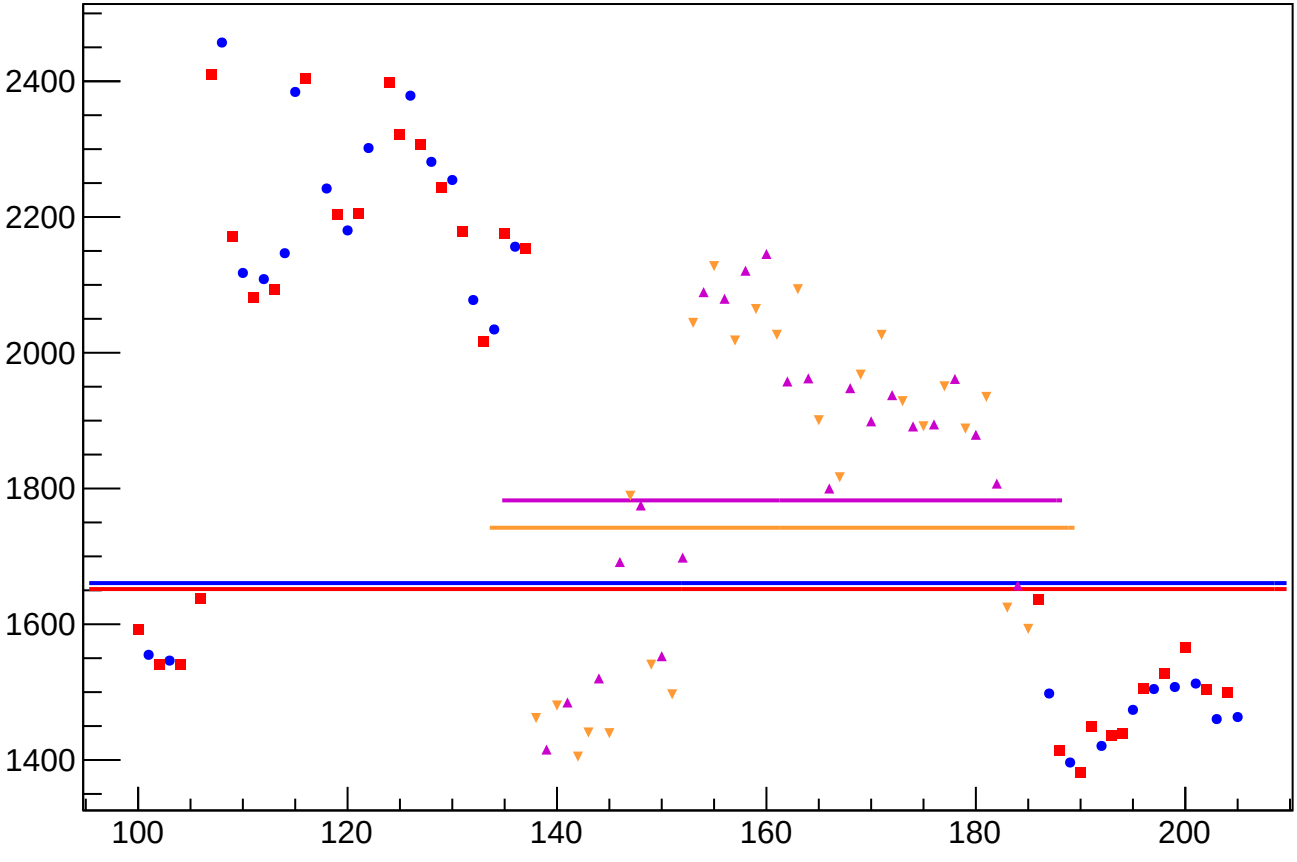
Right: 1.674+/-0.310 χ^2/NDF: 6179.7/54

In: 4.790+/-0.307 χ^2/NDF:3290.8/47

Out: -2.100+/-0.292 χ^2/NDF:3503.1/54

All: 1.172+/-0.212 χ^2/NDF: 7058.1/102

diff_bpm0l05Y_rms vs Slug, Sign Corrected



Right In: 1660.644+/-0.318 χ^2/NDF: 1011423.5/24

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1651.852+/-0.302 χ^2/NDF: 992682.4/29

Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

Left: 1761.391+/-0.205 χ^2/NDF: 1311677.3/47

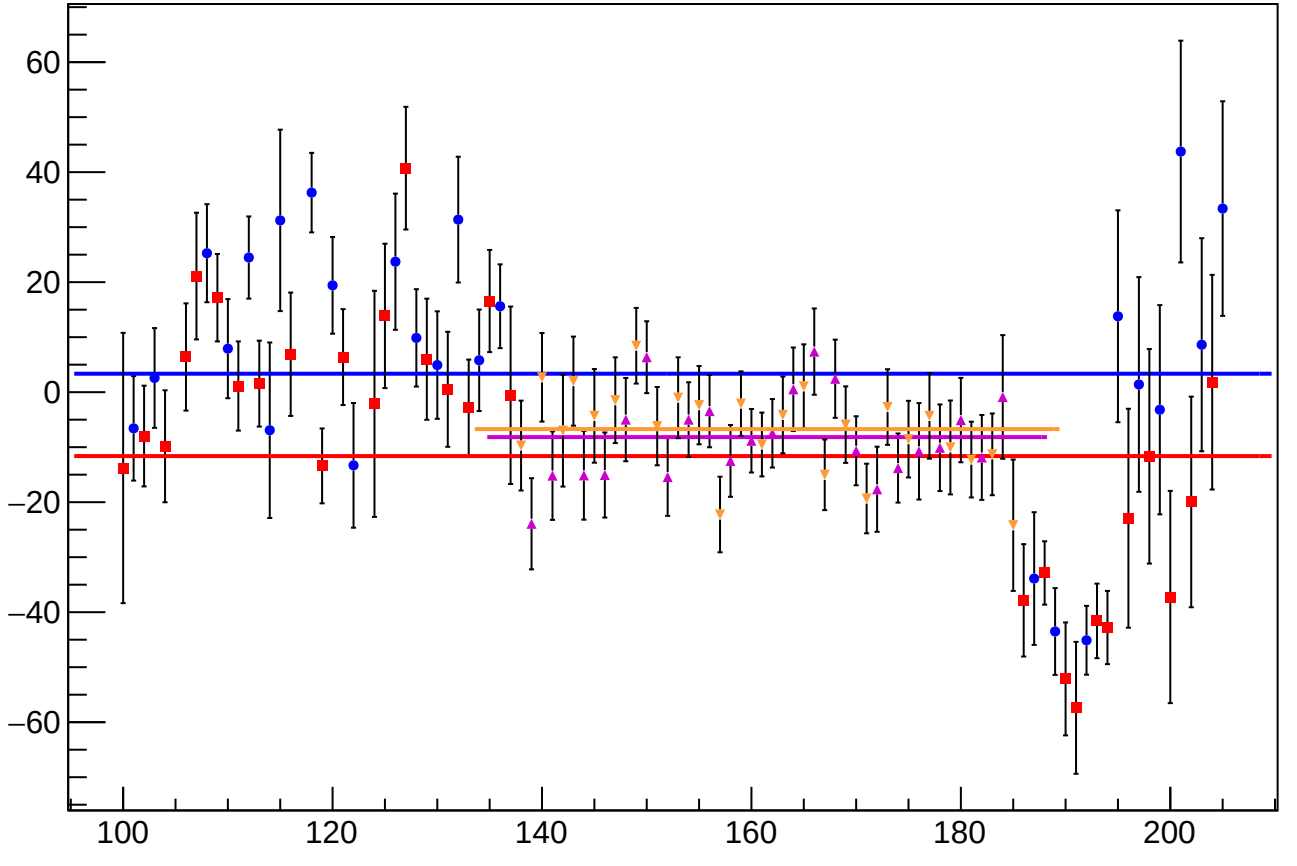
Right: 1656.015+/-0.219 χ^2/NDF: 2004507.4/54

In: 1725.783+/-0.217 χ^2/NDF:1624131.0/47

Out: 1699.936+/-0.207 χ^2/NDF:1808022.2/54

All: 1712.209+/-0.150 χ^2/NDF: 3439592.5/10

diff_bpm0l06X_mean vs Slug, Sign Corrected



Right In: 3.357+/-2.024 χ^2/NDF: 168.4/24

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: -11.620+/-1.804 χ^2/NDF: 172.4/29

Left In: -8.171+/-1.510 χ^2/NDF:24.2/22

Left: -7.416+/-1.049 χ^2/NDF: 50.3/47

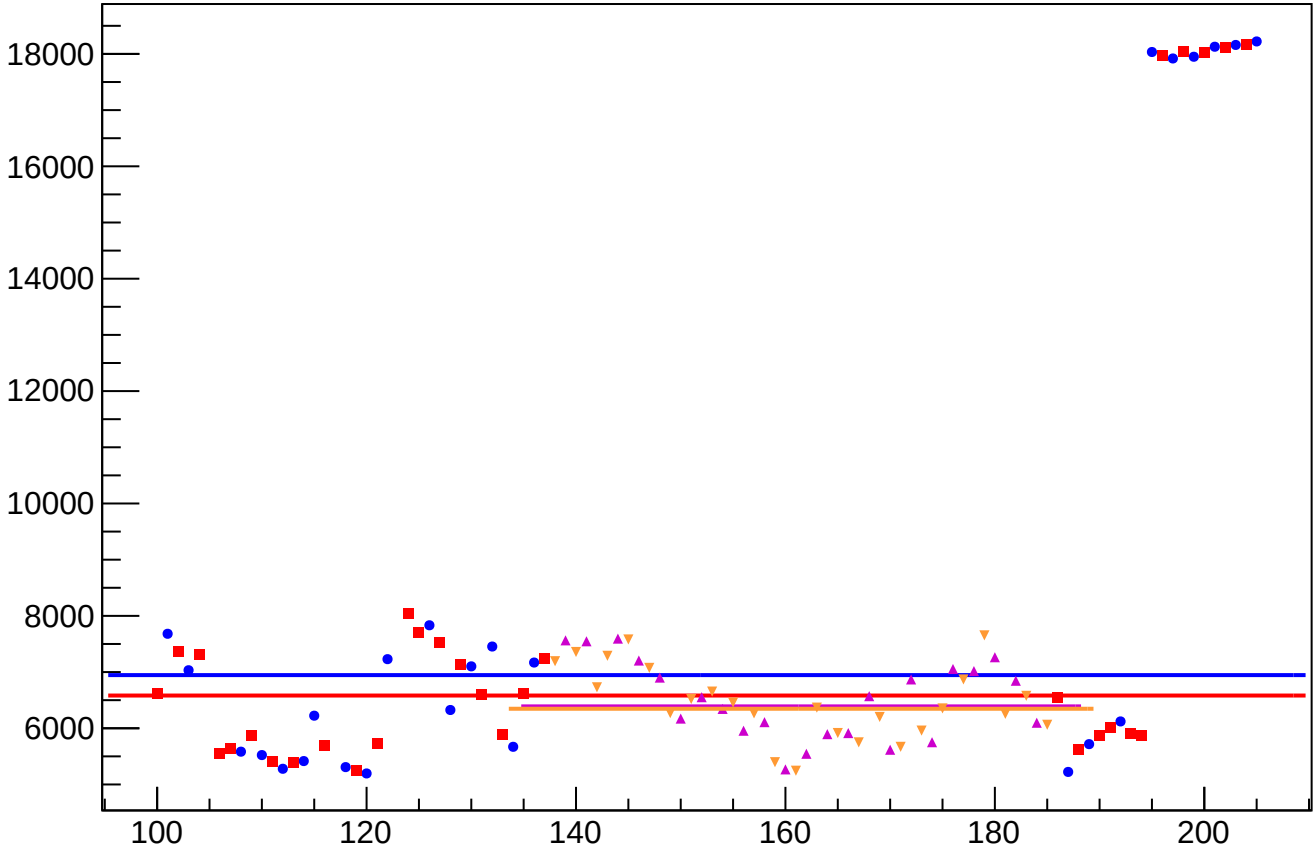
Right: -4.986+/-1.347 χ^2/NDF: 371.3/54

In: -4.048+/-1.210 χ^2/NDF:213.5/47

Out: -8.651+/-1.134 χ^2/NDF:202.5/54

All: -6.499+/-0.827 χ^2/NDF: 423.7/102

diff_bpm0l06X_rms vs Slug, Sign Corrected



Right In: 6946.111+/-1.431 χ^2/NDF: 4520543.9/24

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6582.489+/-1.276 χ^2/NDF: 3924251.7/29

Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

Left: 6367.615+/-0.742 χ^2/NDF: 806588.2/47

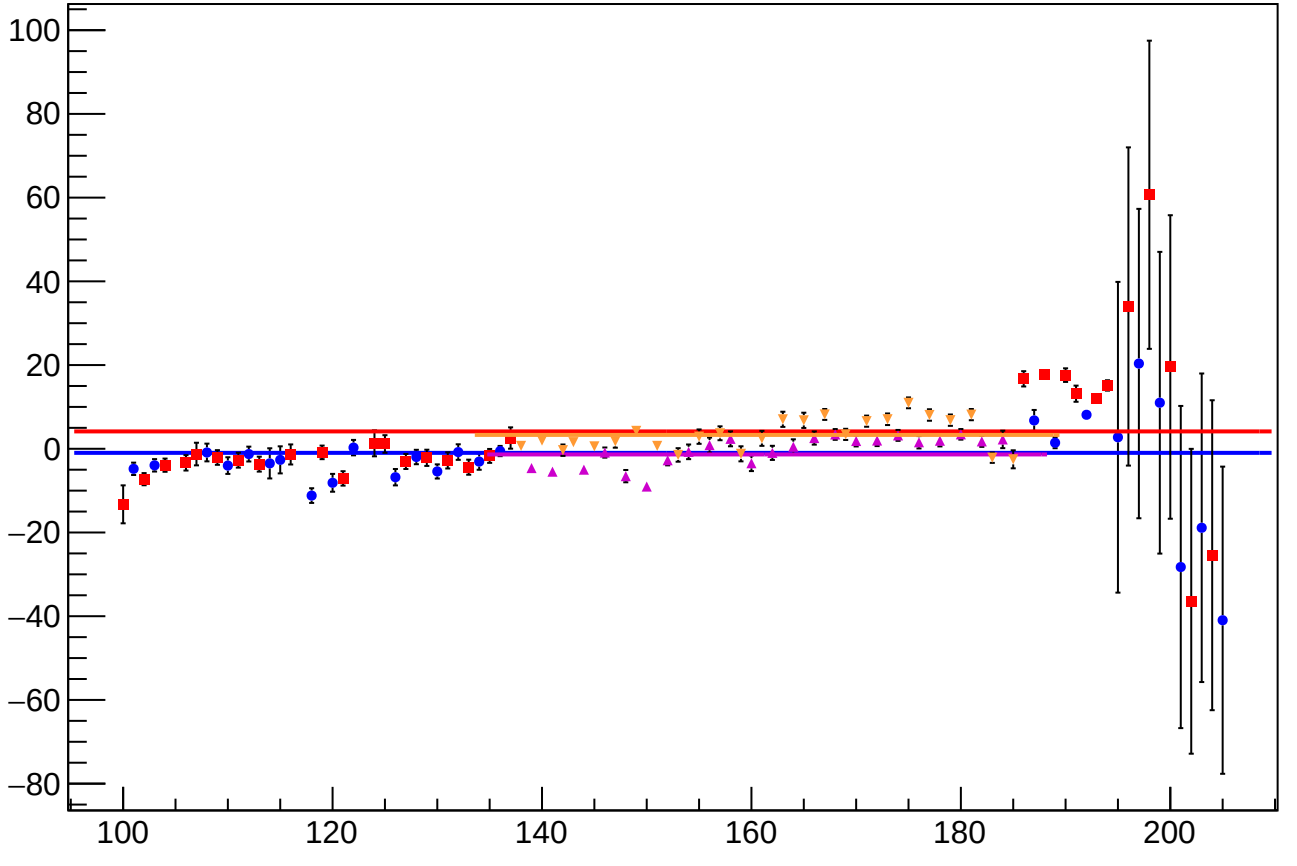
Right: 6743.546+/-0.952 χ^2/NDF: 8480768.6/54

In: 6588.518+/-0.856 χ^2/NDF:5037521.6/47

Out: 6440.172+/-0.802 χ^2/NDF:4330838.5/54

All: 6509.525+/-0.585 χ^2/NDF: 9384362.3/10

diff_bpm0l06Y_mean vs Slug, Sign Corrected



Right In: -0.975+/-0.386 χ^2/NDF: 181.3/24

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 4.148+/-0.342 χ^2/NDF: 749.4/29

Left In: -1.355+/-0.277 χ^2/NDF:196.3/22

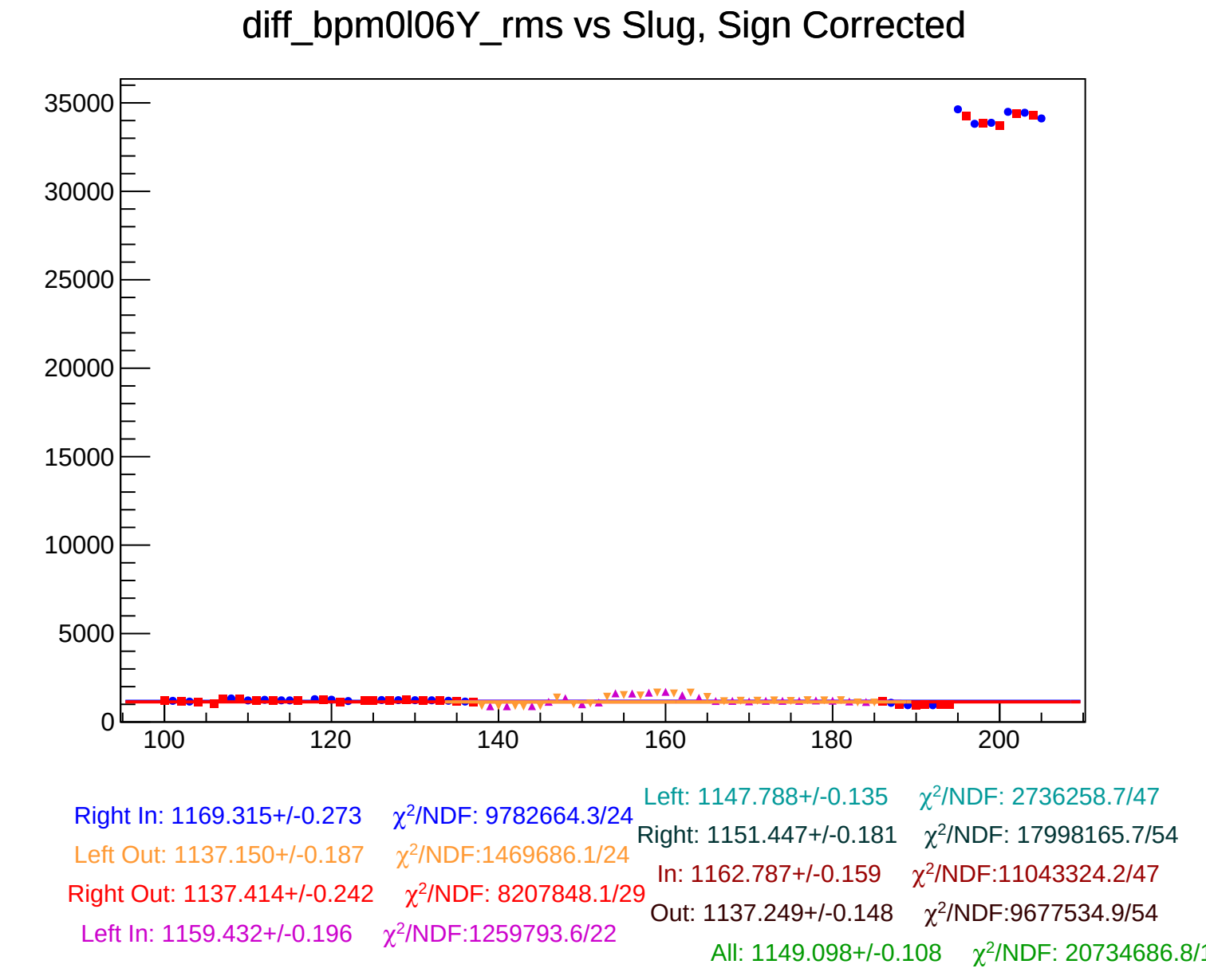
Left: 1.083+/-0.191 χ^2/NDF: 522.8/47

Right: 1.895+/-0.256 χ^2/NDF: 1029.4/54

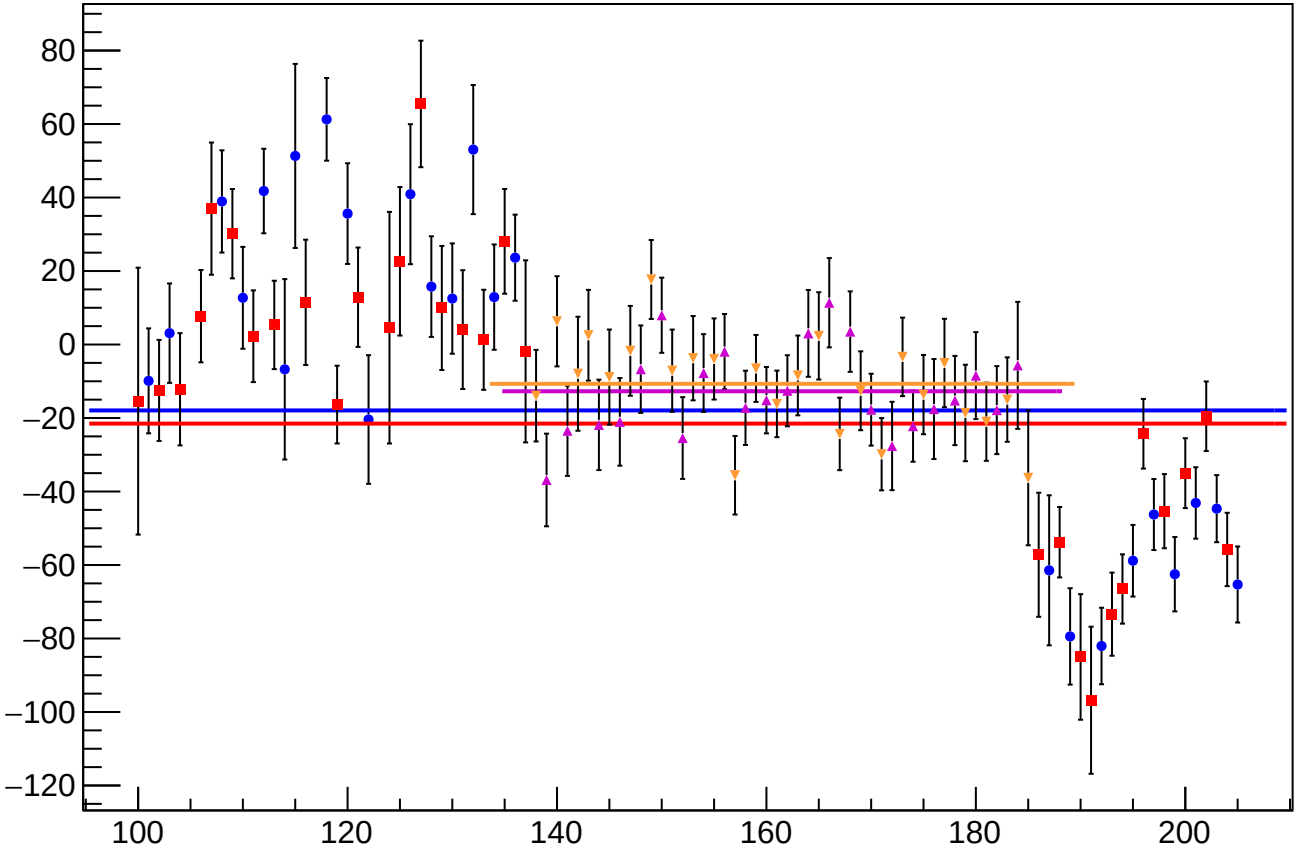
In: -1.226+/-0.225 χ^2/NDF:378.2/47

Out: 3.624+/-0.209 χ^2/NDF:931.1/54

All: 1.374+/-0.153 χ^2/NDF: 1558.7/102


diff_bpm0l06Y_rms vs Slug, Sign Corrected
35000
30000
25000
20000
15000
10000
5000
0
100
120
140
160
180
200
Right In: 1169.315+/-0.273 χ²/NDF: 9782664.3/24
Left Out: 1137.150+/-0.187 χ²/NDF:1469686.1/24
Right Out: 1137.414+/-0.242 χ²/NDF: 8207848.1/29
Left In: 1159.432+/-0.196 χ²/NDF:1259793.6/22
Left: 1147.788+/-0.135 χ²/NDF: 2736258.7/47
Right: 1151.447+/-0.181 χ²/NDF: 17998165.7/54
In: 1162.787+/-0.159 χ²/NDF:11043324.2/47
Out: 1137.249+/-0.148 χ²/NDF:9677534.9/54
All: 1149.098+/-0.108 χ²/NDF: 20734686.8/

diff_bpm0l07X_mean vs Slug, Sign Corrected



Right In: -17.935+/-2.529 χ^2/NDF: 323.5/24

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: -21.521+/-2.380 χ^2/NDF: 213.6/29

Left In: -12.719+/-2.341 χ^2/NDF:24.0/22

Left: -11.671+/-1.625 χ^2/NDF: 53.1/47

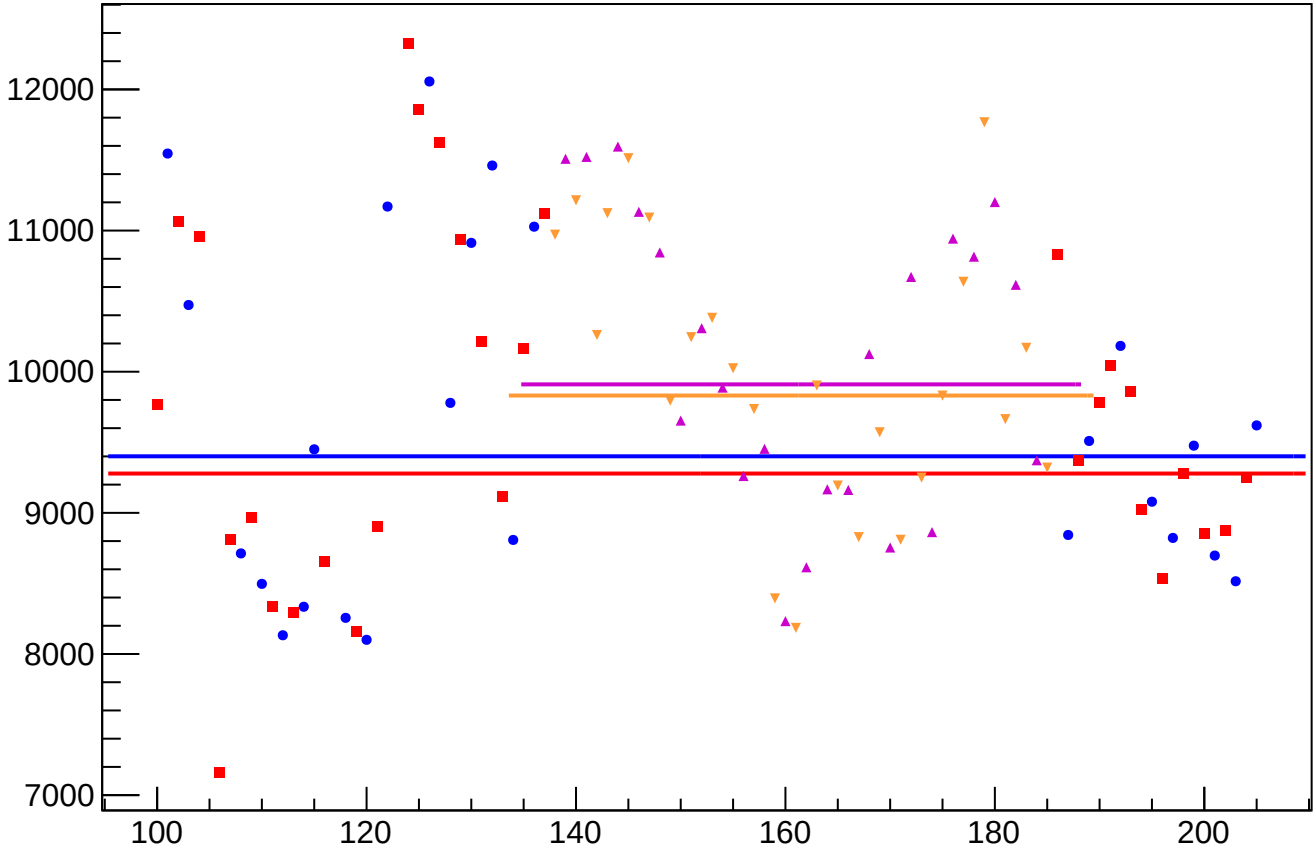
Right: -19.837+/-1.733 χ^2/NDF: 538.2/54

In: -15.126+/-1.718 χ^2/NDF:349.9/47

Out: -15.821+/-1.638 χ^2/NDF:253.2/54

All: -15.490+/-1.185 χ^2/NDF: 603.2/102

diff_bpm0l07X_rms vs Slug, Sign Corrected



Right In: 9400.672+/-1.788 χ^2/NDF: 341043.2/24

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9278.575+/-1.683 χ^2/NDF: 351220.7/29

Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

Left: 9869.364+/-1.149 χ^2/NDF: 746673.5/47

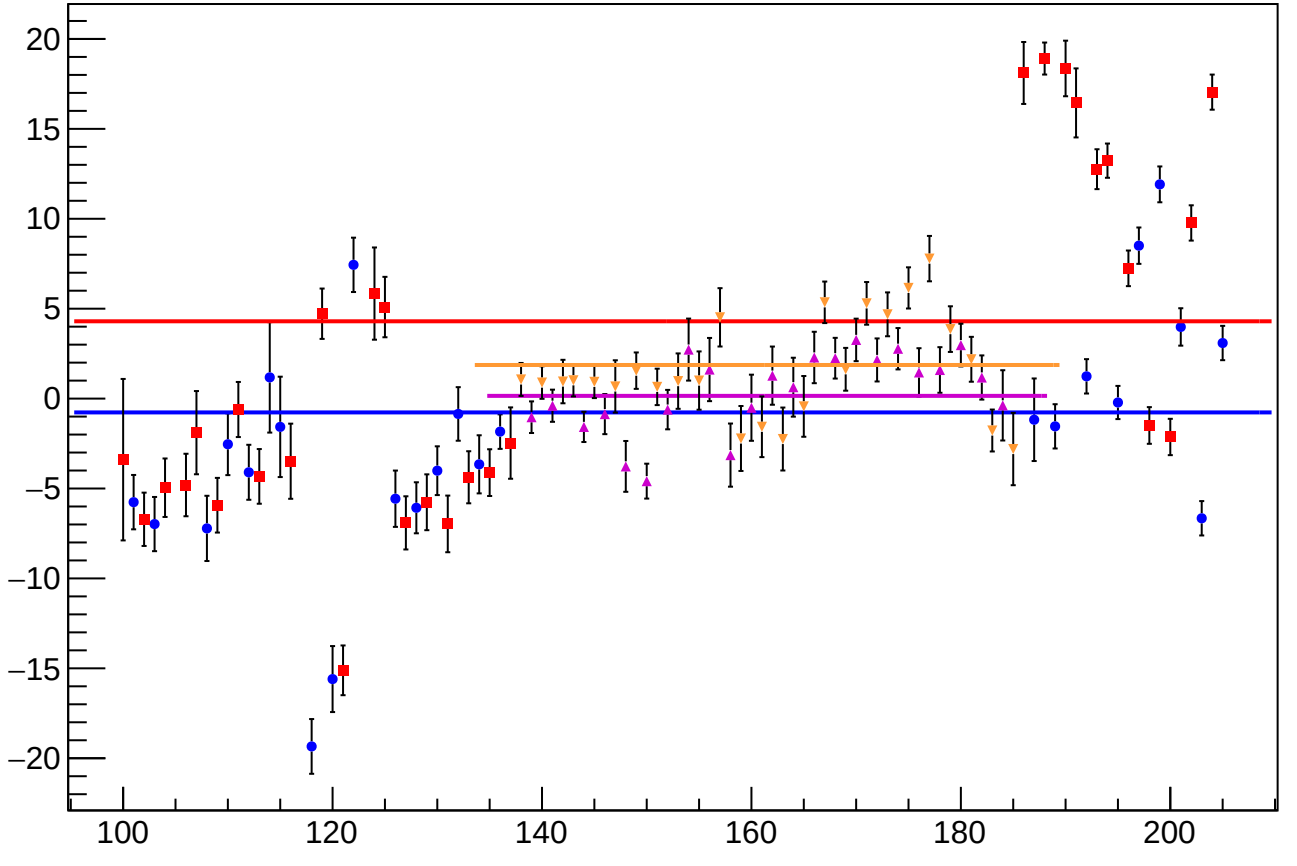
Right: 9335.927+/-1.226 χ^2/NDF: 694735.4/54

In: 9675.170+/-1.215 χ^2/NDF:774147.1/47

Out: 9569.615+/-1.158 χ^2/NDF:764121.8/54

All: 9619.876+/-0.838 χ^2/NDF: 1542223.8/10

diff_bpm0l07Y_mean vs Slug, Sign Corrected



Right In: -0.769+/-0.259 χ^2/NDF: 650.5/24

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: 4.299+/-0.248 χ^2/NDF: 1550.3/29

Left In: 0.152+/-0.254 χ^2/NDF:75.7/22

Left: 1.051+/-0.176 χ^2/NDF: 202.7/47

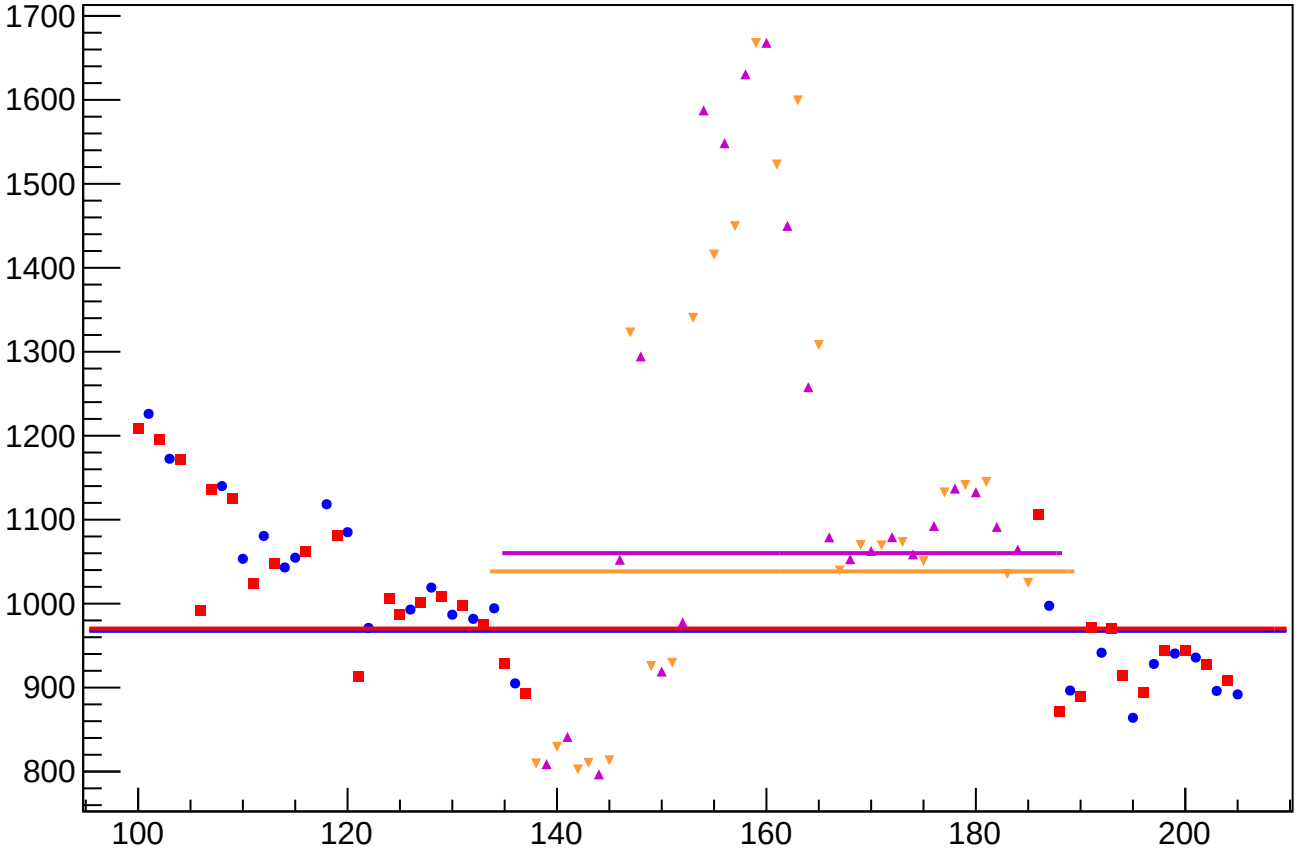
Right: 1.876+/-0.179 χ^2/NDF: 2401.1/54

In: -0.301+/-0.181 χ^2/NDF:732.6/47

Out: 3.059+/-0.173 χ^2/NDF:1702.6/54

All: 1.456+/-0.125 χ^2/NDF: 2614.6/102

diff_bpm0l07Y_rms vs Slug, Sign Corrected



Right In: 967.657+/-0.183 χ^2/NDF: 237095.6/24

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 970.314+/-0.175 χ^2/NDF: 225238.4/29

Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

Left: 1048.767+/-0.124 χ^2/NDF: 3237559.4/47

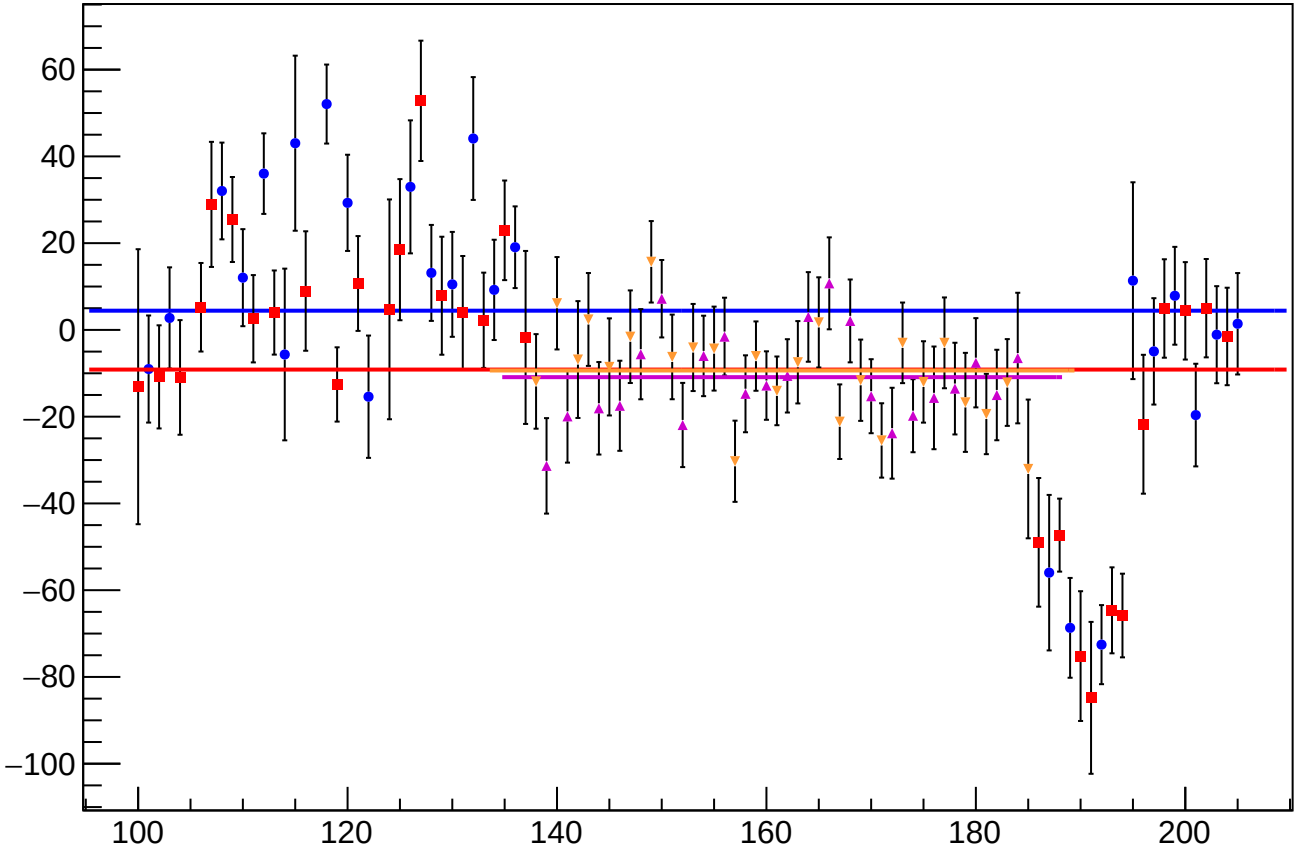
Right: 969.044+/-0.126 χ^2/NDF: 462444.1/54

In: 1014.671+/-0.128 χ^2/NDF:1890274.6/47

Out: 1005.047+/-0.123 χ^2/NDF:2009079.2/54

All: 1009.639+/-0.089 χ^2/NDF: 3902296.6/10

diff_bpm0l08X_mean vs Slug, Sign Corrected



Right In: 4.431+/-2.381 χ^2/NDF: 200.7/24

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -9.142+/-2.186 χ^2/NDF: 202.1/29

Left In: -10.892+/-2.043 χ^2/NDF:23.6/22

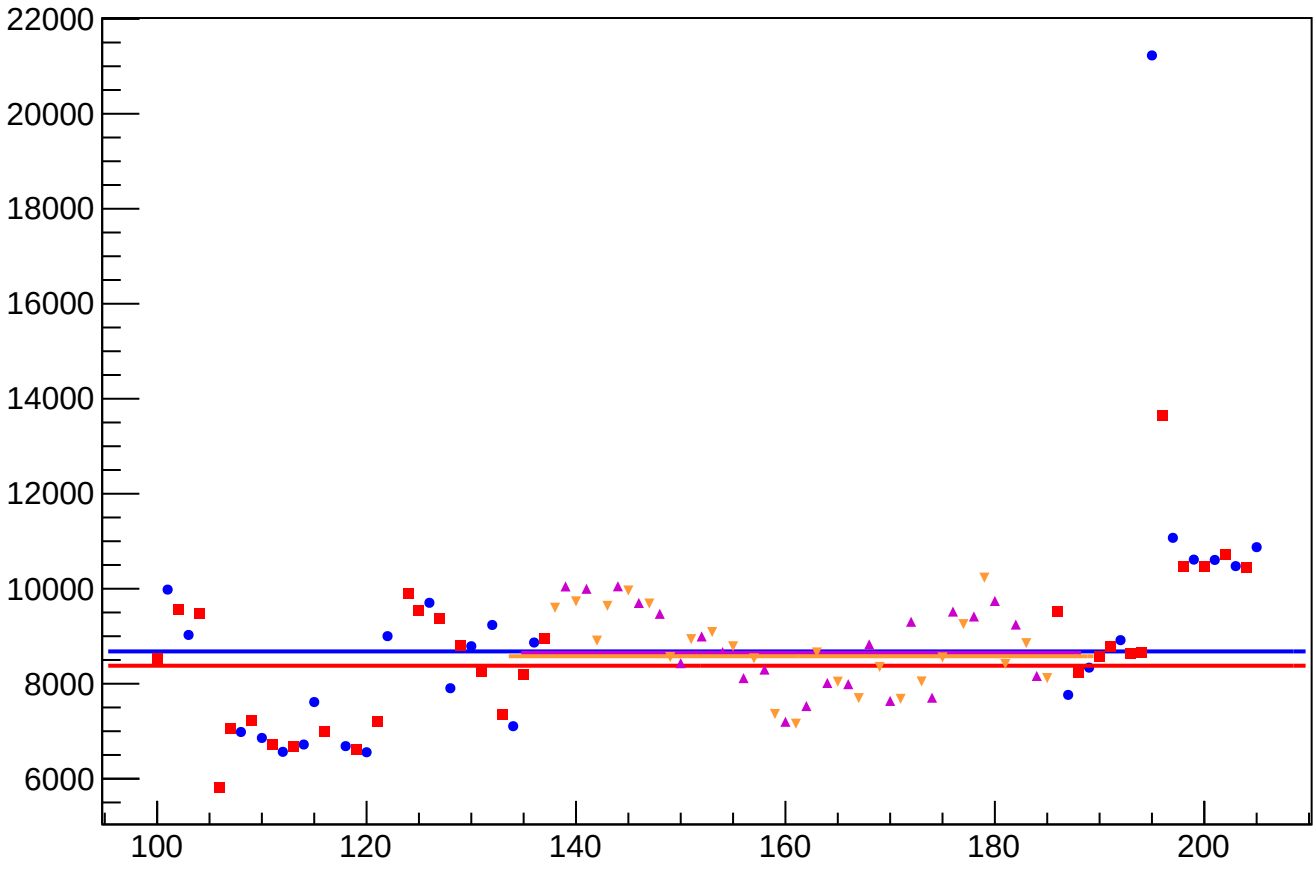
Left: -10.095+/-1.418 χ^2/NDF: 52.4/47

Right: -2.934+/-1.610 χ^2/NDF: 420.5/54

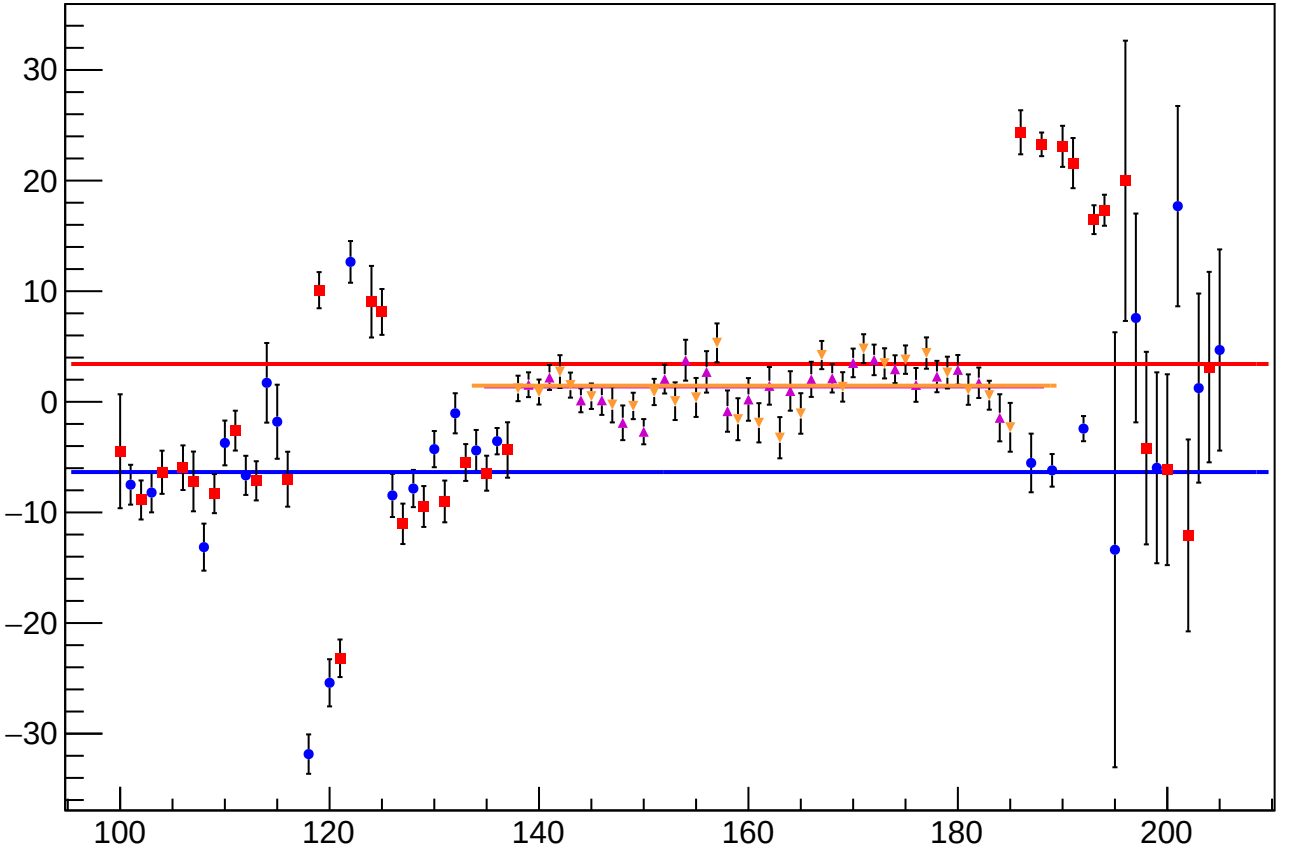
In: -4.396+/-1.550 χ^2/NDF:248.2/47

Out: -9.260+/-1.463 χ^2/NDF:230.6/54

All: -6.969+/-1.064 χ^2/NDF: 484.0/102


diff_bpm0l08X_rms vs Slug, Sign Corrected
22000
20000
18000
16000
14000
12000
10000
8000
6000
100
120
140
160
180
200
Right In: 8680.352+/-1.684 χ²/NDF: 1412212.2/24
Left Out: 8578.396+/-1.392 χ²/NDF:343721.1/24
Right Out: 8378.900+/-1.546 χ²/NDF: 1020133.6/29
Left In: 8649.232+/-1.444 χ²/NDF:377932.0/22
Left: 8612.520+/-1.002 χ²/NDF: 722899.8/47
Right: 8516.777+/-1.139 χ²/NDF: 2449740.5/54
In: 8662.424+/-1.096 χ²/NDF:1790341.0/47
Out: 8489.032+/-1.035 χ²/NDF:1373049.8/54
All: 8570.717+/-0.752 χ²/NDF: 3176623.4/10

diff_bpm0l08Y_mean vs Slug, Sign Corrected



Right In: -6.350+/-0.404 χ^2/NDF: 449.1/24

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: 3.419+/-0.360 χ^2/NDF: 1561.1/29

Left In: 1.390+/-0.294 χ^2/NDF:35.5/22

Left: 1.427+/-0.203 χ^2/NDF: 86.6/47

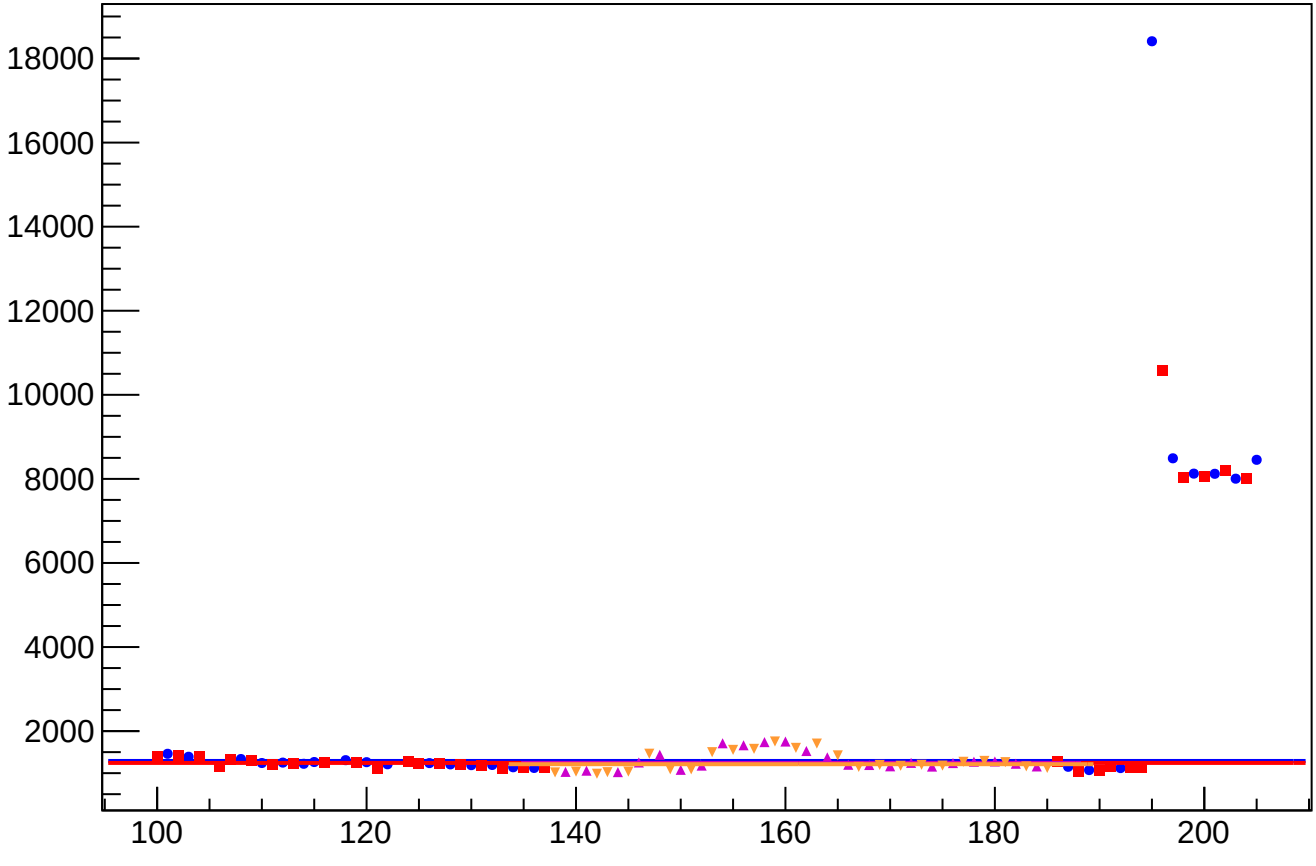
Right: -0.899+/-0.269 χ^2/NDF: 2336.1/54

In: -1.291+/-0.238 χ^2/NDF:724.3/47

Out: 2.201+/-0.221 χ^2/NDF:1630.6/54

All: 0.582+/-0.162 χ^2/NDF: 2470.4/102

diff_bpm0l08Y_rms vs Slug, Sign Corrected



Right In: 1289.845+/-0.286 χ^2/NDF: 7744532.6/24

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1243.501+/-0.254 χ^2/NDF: 6263830.4/29

Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

Left: 1225.599+/-0.144 χ^2/NDF: 1906483.7/47

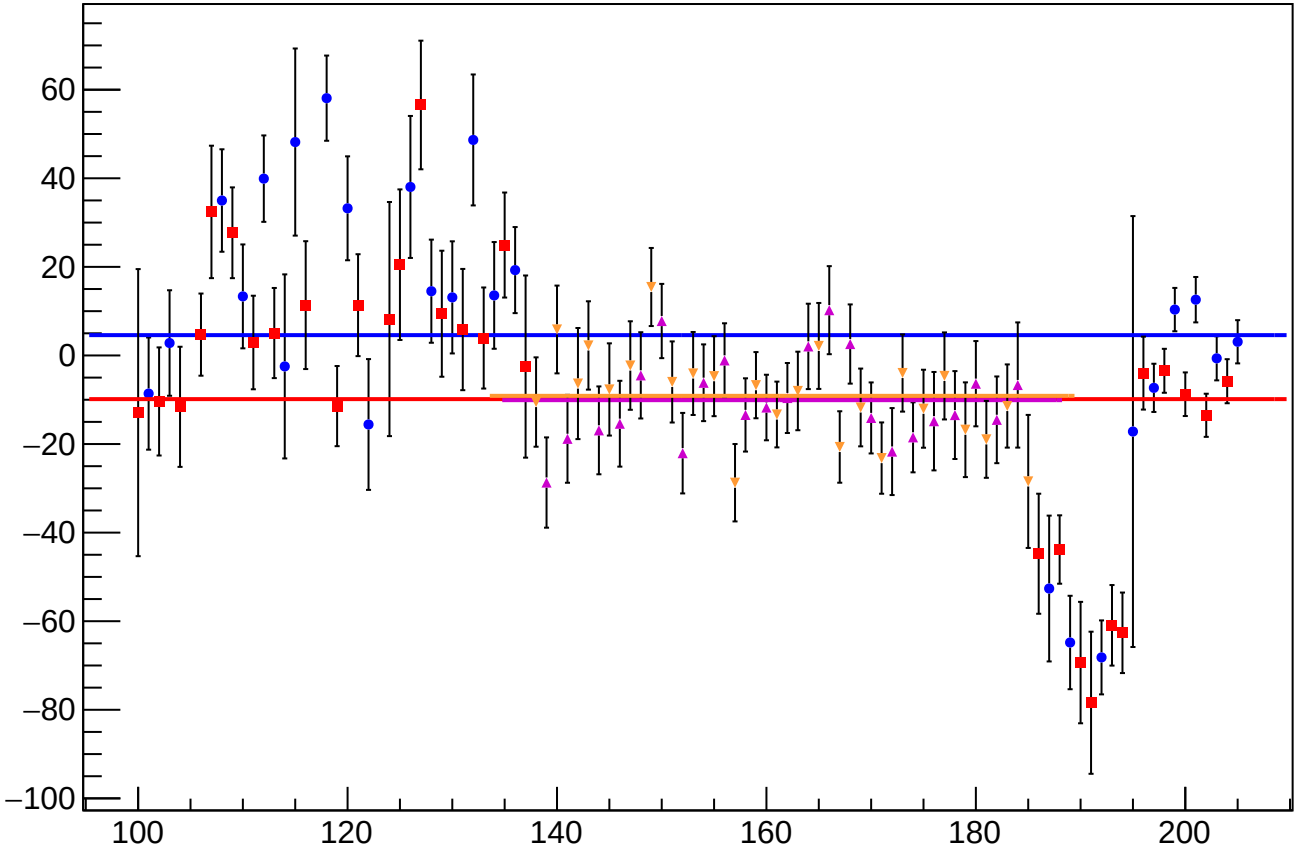
Right: 1263.983+/-0.190 χ^2/NDF: 14023030.7/54

In: 1256.724+/-0.168 χ^2/NDF:8650667.3/47

Out: 1224.696+/-0.156 χ^2/NDF:7285379.9/54

All: 1239.547+/-0.115 χ^2/NDF: 15955485.7/1

diff_bpm0l09X_mean vs Slug, Sign Corrected



Right In: 4.589+/-1.744 χ^2/NDF: 223.4/24

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -9.858+/-1.681 χ^2/NDF: 202.8/29

Left In: -10.095+/-1.911 χ^2/NDF:24.3/22

Left: -9.587+/-1.326 χ^2/NDF: 53.2/47

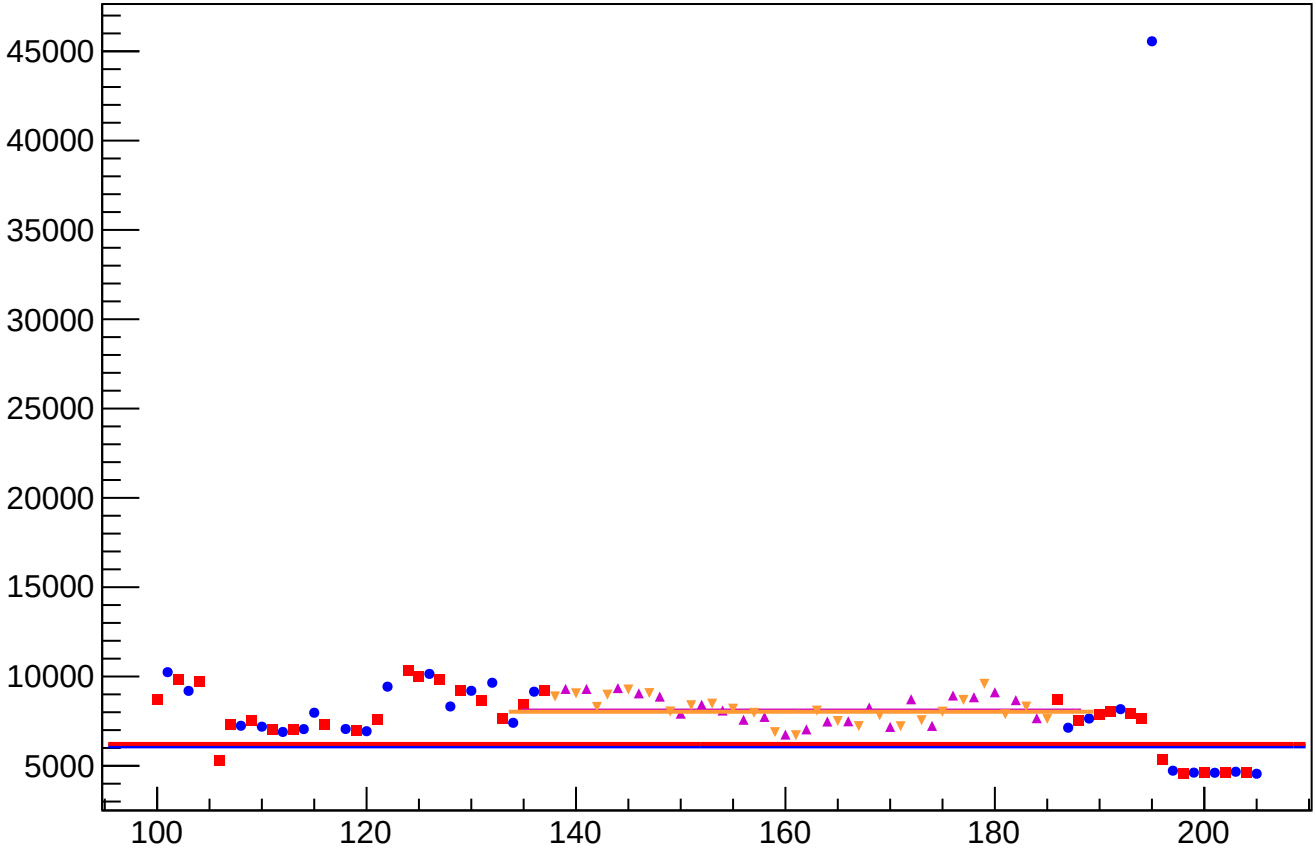
Right: -2.900+/-1.210 χ^2/NDF: 461.7/54

In: -2.083+/-1.288 χ^2/NDF:279.9/47

Out: -9.520+/-1.242 χ^2/NDF:231.6/54

All: -5.938+/-0.894 χ^2/NDF: 528.8/102

diff_bpm0l09X_rms vs Slug, Sign Corrected



Right In: 6089.403+/-1.233 χ^2/NDF: 3541242.8/24

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6226.028+/-1.189 χ^2/NDF: 2208283.6/29

Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

Left: 8060.478+/-0.938 χ^2/NDF: 701195.2/47

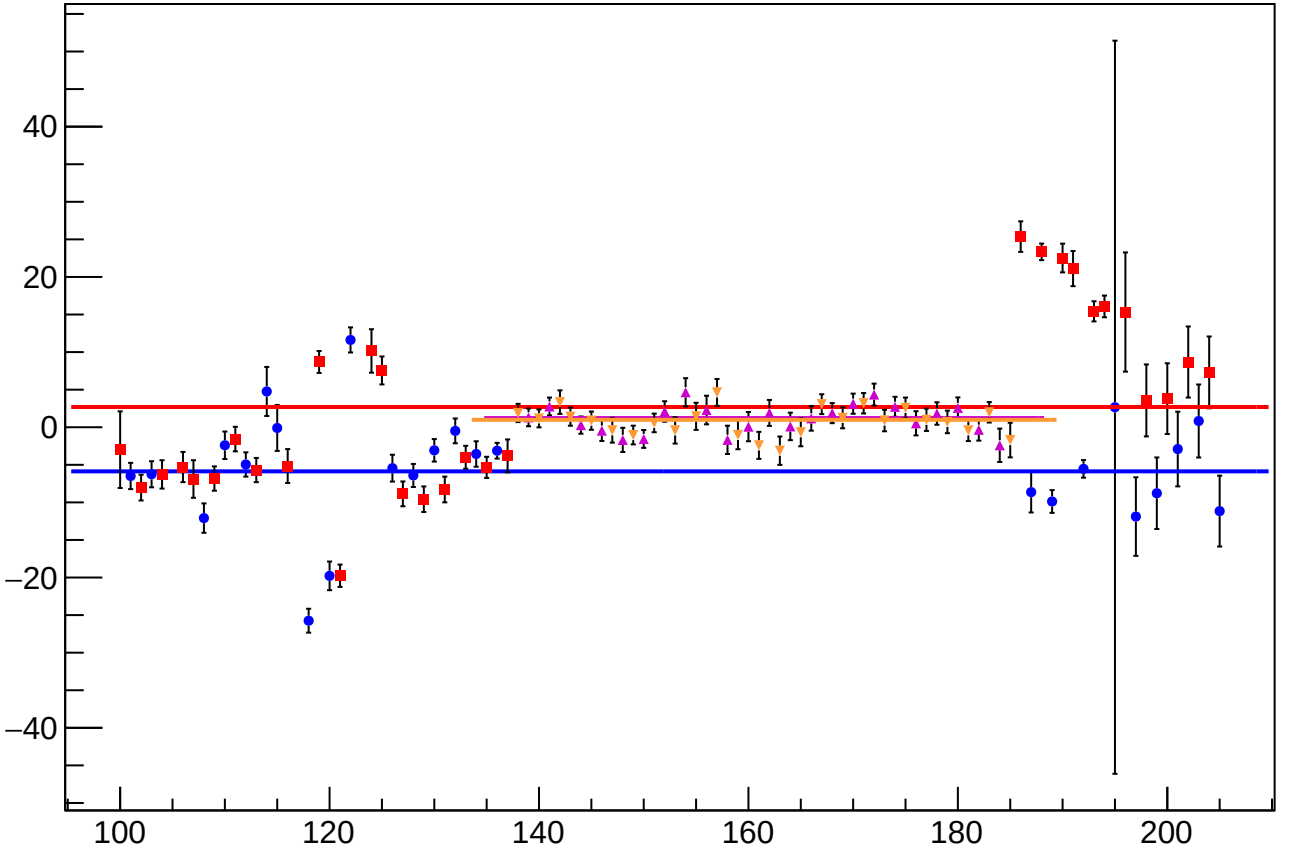
Right: 6160.230+/-0.856 χ^2/NDF: 5755887.7/54

In: 7000.925+/-0.911 χ^2/NDF:5110688.3/47

Out: 7044.735+/-0.878 χ^2/NDF:3584720.1/54

All: 7023.635+/-0.632 χ^2/NDF: 8696607.2/10

diff_bpm0l09Y_mean vs Slug, Sign Corrected



Right In: -5.871+/-0.374 χ^2/NDF: 383.9/24

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: 2.693+/-0.339 χ^2/NDF: 1461.3/29

Left In: 1.219+/-0.307 χ^2/NDF:33.1/22

Left: 1.098+/-0.212 χ^2/NDF: 64.4/47

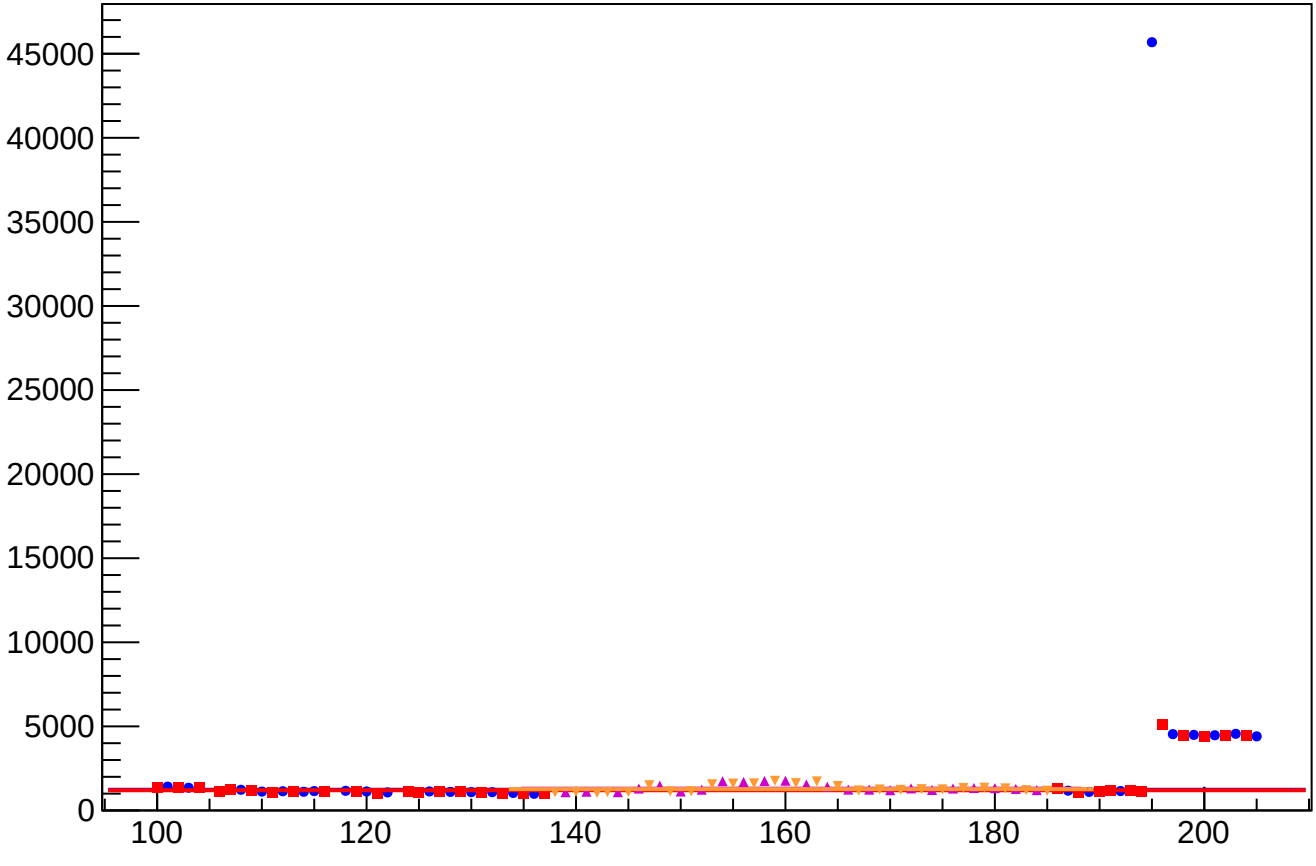
Right: -1.175+/-0.251 χ^2/NDF: 2132.9/54

In: -1.631+/-0.237 χ^2/NDF:632.1/47

Out: 1.715+/-0.221 χ^2/NDF:1506.8/54

All: 0.155+/-0.162 χ^2/NDF: 2245.3/102

diff_bpm0l09Y_rms vs Slug, Sign Corrected



Right In: 1230.209+/-0.264 χ^2/NDF: 6381842.2/24

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1202.412+/-0.240 χ^2/NDF: 4468428.5/29

Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

Left: 1280.108+/-0.150 χ^2/NDF: 1644552.9/47

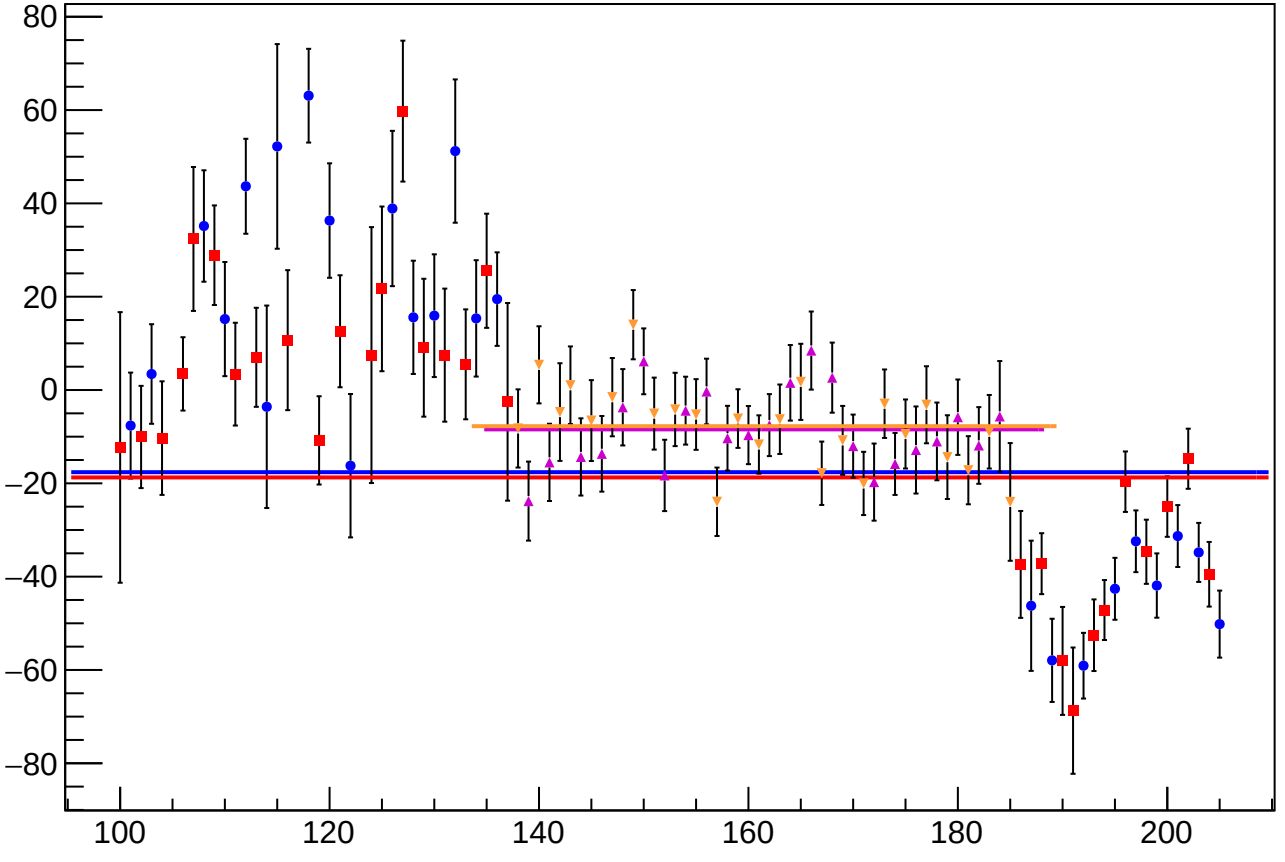
Right: 1214.966+/-0.178 χ^2/NDF: 10856333.1/54

In: 1268.398+/-0.168 χ^2/NDF:7174934.5/47

Out: 1239.712+/-0.157 χ^2/NDF:5388976.3/54

All: 1253.081+/-0.114 χ^2/NDF: 12579547.6/1

diff_bpm0l10X_mean vs Slug, Sign Corrected



Right In: -17.615+/-1.913 χ^2/NDF: 351.5/24

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: -18.736+/-1.772 χ^2/NDF: 209.9/29

Left In: -8.438+/-1.605 χ^2/NDF:24.8/22

Left: -8.082+/-1.114 χ^2/NDF: 55.3/47

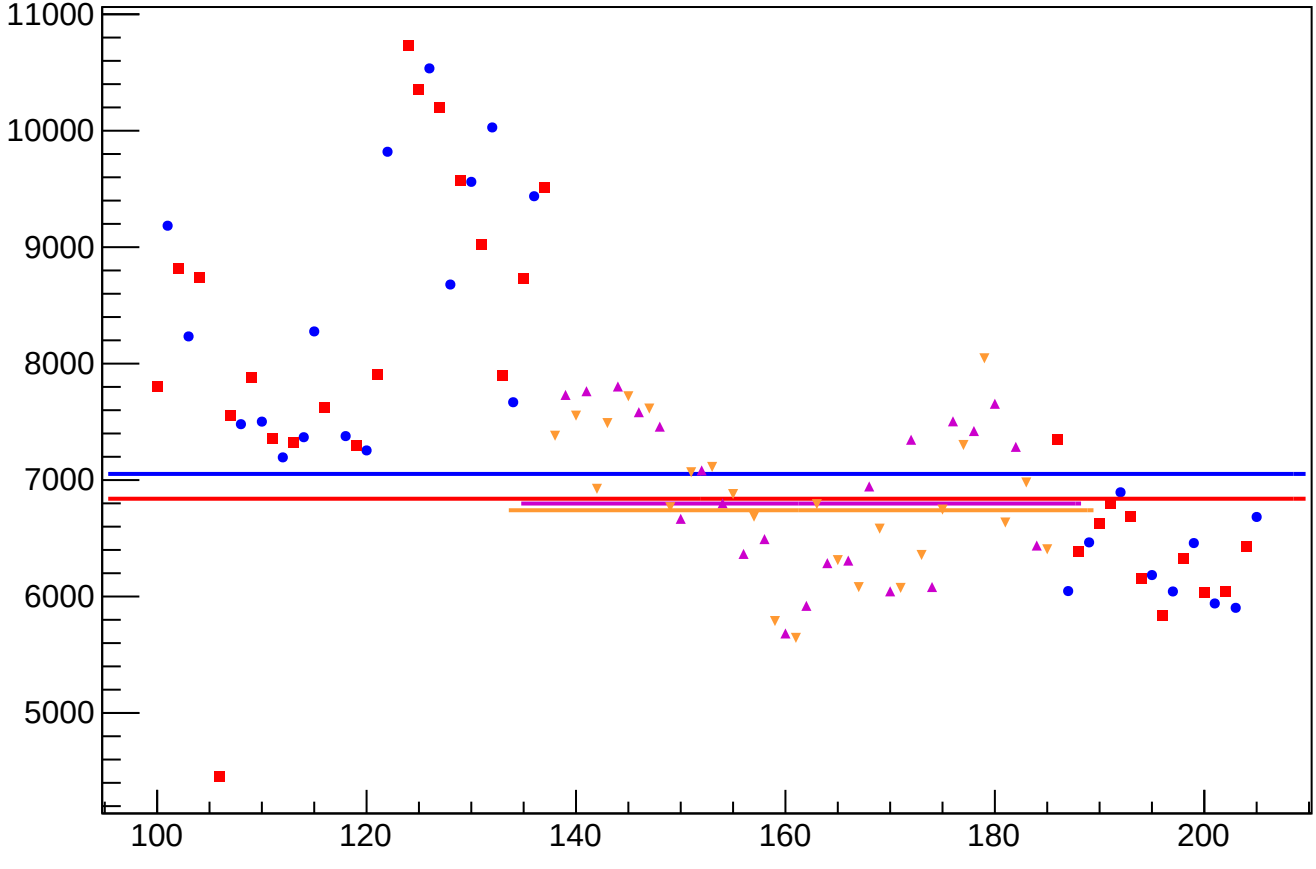
Right: -18.218+/-1.300 χ^2/NDF: 561.5/54

In: -12.228+/-1.229 χ^2/NDF:389.8/47

Out: -12.502+/-1.165 χ^2/NDF:262.1/54

All: -12.372+/-0.846 χ^2/NDF: 651.9/102

diff_bpm0l10X_rms vs Slug, Sign Corrected



Right In: 7052.797+/-1.353 χ^2/NDF: 807348.1/24

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6839.767+/-1.253 χ^2/NDF: 952484.1/29

Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

Left: 6768.617+/-0.787 χ^2/NDF: 671325.3/47

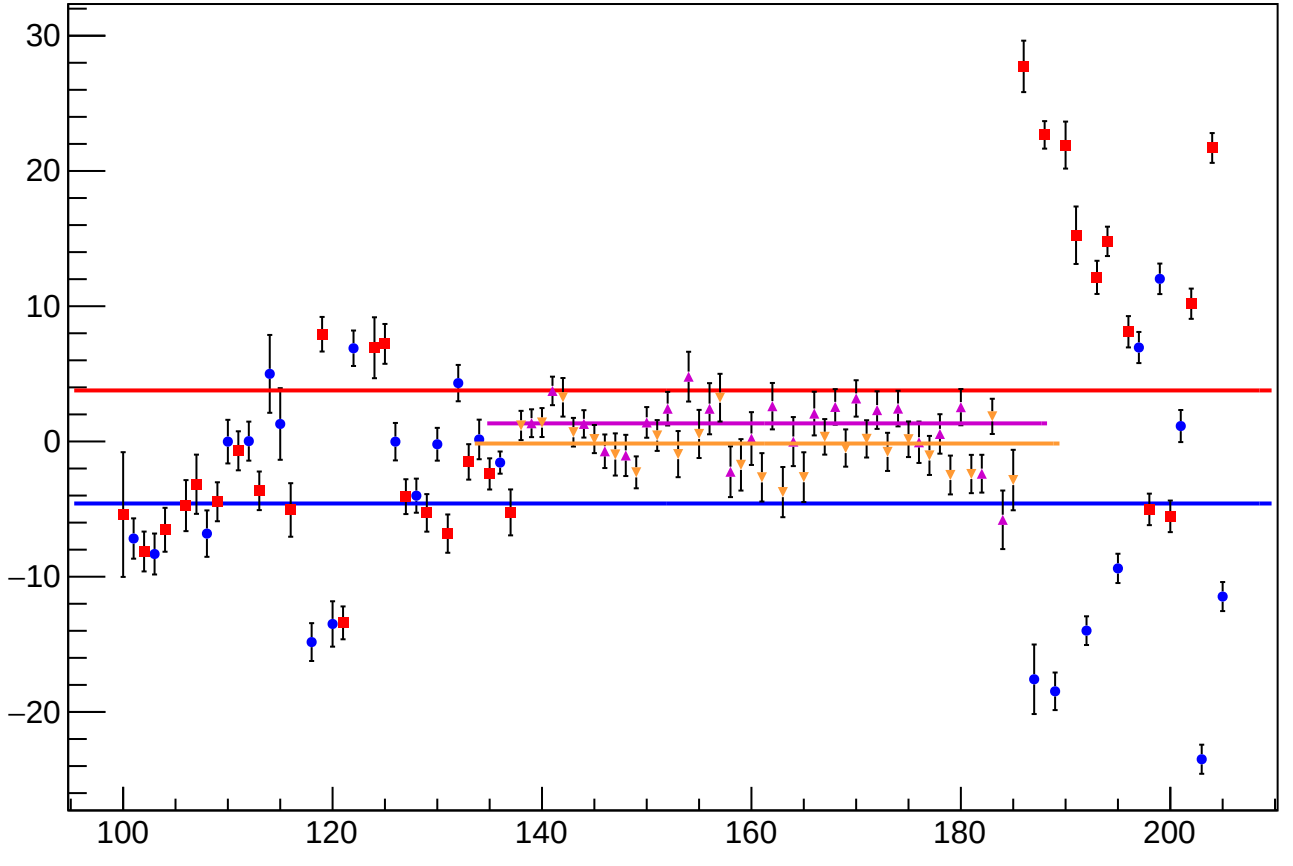
Right: 6938.125+/-0.919 χ^2/NDF: 1773181.0/54

In: 6903.533+/-0.869 χ^2/NDF:1181365.4/47

Out: 6783.618+/-0.824 χ^2/NDF:1272730.7/54

All: 6840.359+/-0.598 χ^2/NDF: 2464119.8/10

diff_bpm0l10Y_mean vs Slug, Sign Corrected



Right In: -4.586+/-0.262 χ^2/NDF: 1209.7/24

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: 3.773+/-0.254 χ^2/NDF: 1879.9/29

Left In: 1.337+/-0.290 χ^2/NDF:44.0/22

Left: 0.557+/-0.200 χ^2/NDF: 93.9/47

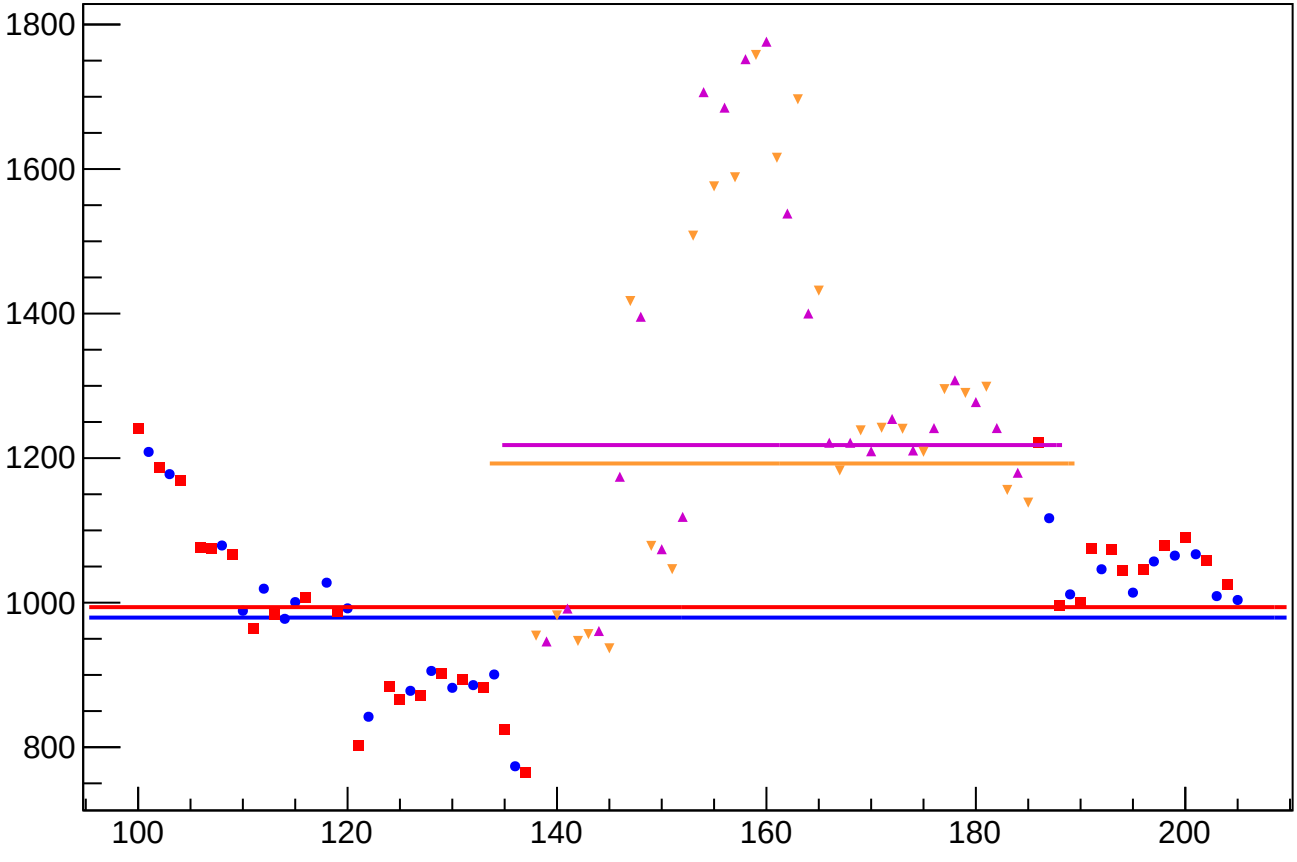
Right: -0.275+/-0.183 χ^2/NDF: 3613.4/54

In: -1.922+/-0.195 χ^2/NDF:1483.0/47

Out: 1.977+/-0.187 χ^2/NDF:2025.1/54

All: 0.103+/-0.135 χ^2/NDF: 3716.7/102

diff_bpm0l10Y_rms vs Slug, Sign Corrected



Right In: 979.352+/-0.185 χ^2/NDF: 337329.0/24

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 993.810+/-0.180 χ^2/NDF: 358290.6/29

Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

Left: 1204.714+/-0.142 χ^2/NDF: 2456154.6/47

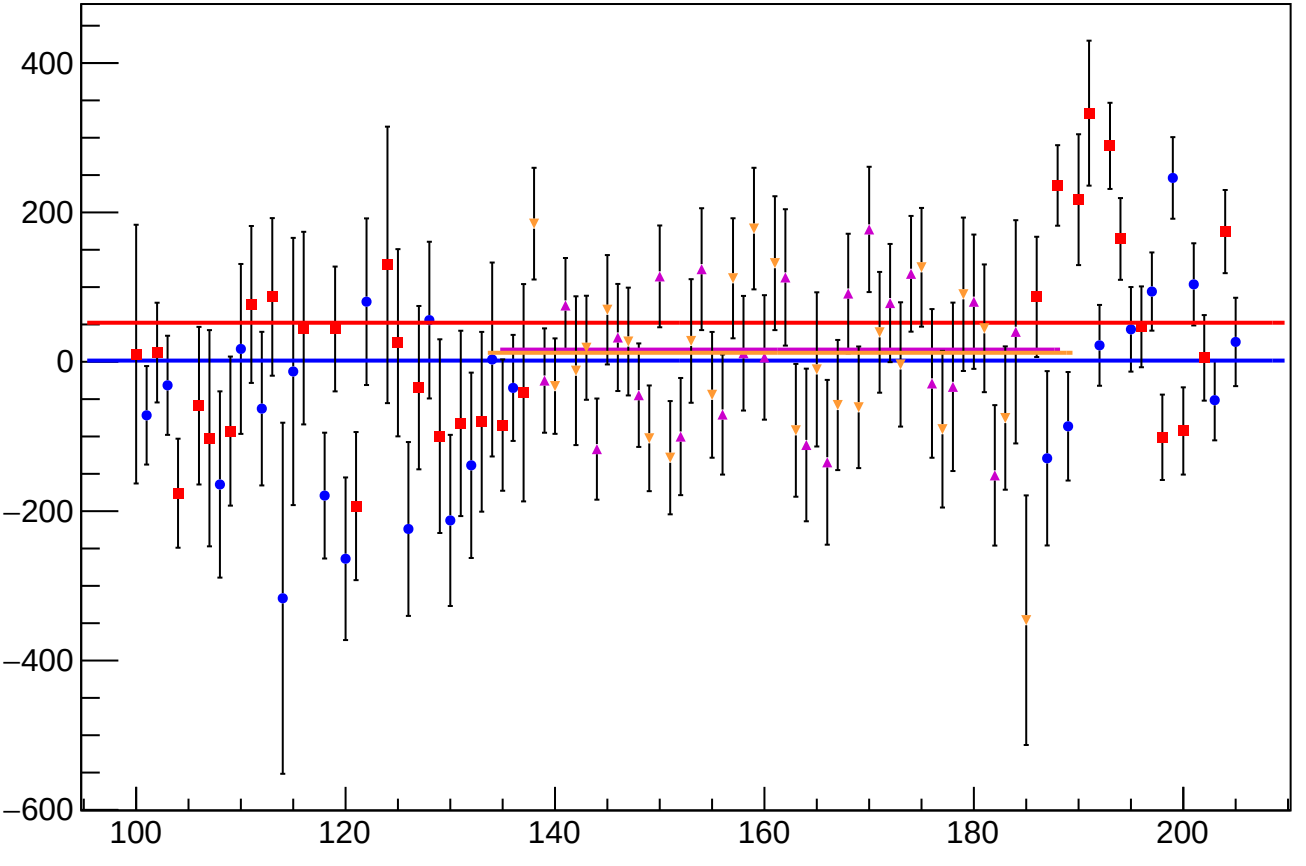
Right: 986.810+/-0.129 χ^2/NDF: 698753.5/54

In: 1086.702+/-0.138 χ^2/NDF:2210096.4/47

Out: 1084.759+/-0.132 χ^2/NDF:2238286.1/54

All: 1085.693+/-0.095 χ^2/NDF: 4448486.0/10

diff_bpm0r03X_mean vs Slug, Sign Corrected



Right In: 1.615+/-15.450 χ^2/NDF: 56.7/24

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: 52.305+/-14.661 χ^2/NDF: 91.9/29

Left In: 16.339+/-17.018 χ^2/NDF:28.7/22

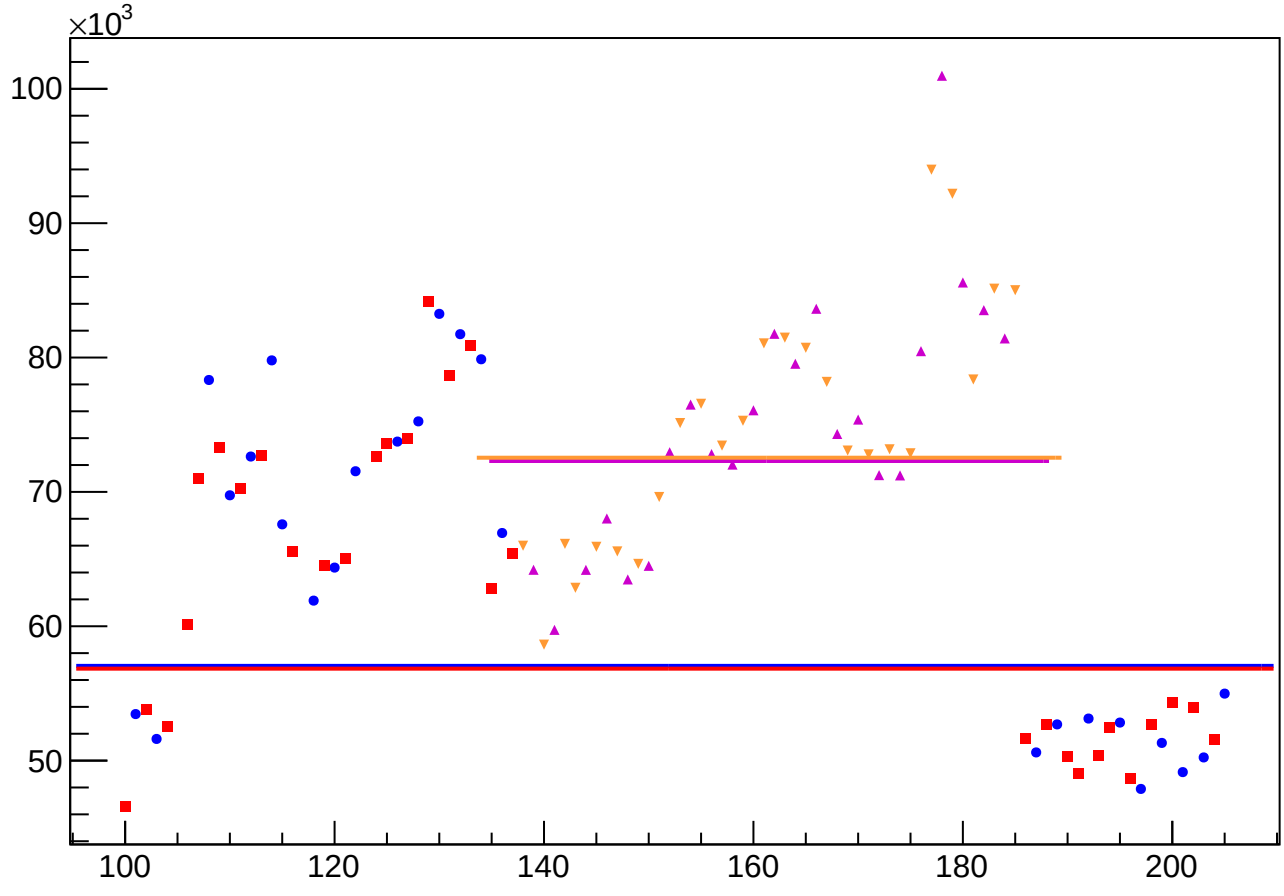
Left: 14.158+/-11.886 χ^2/NDF: 61.5/47

Right: 28.288+/-10.635 χ^2/NDF: 154.4/54

In: 8.268+/-11.439 χ^2/NDF:85.9/47

Out: 34.688+/-10.991 χ^2/NDF:128.0/54

All: 22.005+/-7.926 χ^2/NDF: 216.7/102



Right In: 57051.478+/-10.925 χ^2/NDF: 803056.6/24

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56844.983+/-10.367 χ^2/NDF: 722110.3/29

Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

Left: 72425.429+/-8.405 χ^2/NDF: 989056.6/47

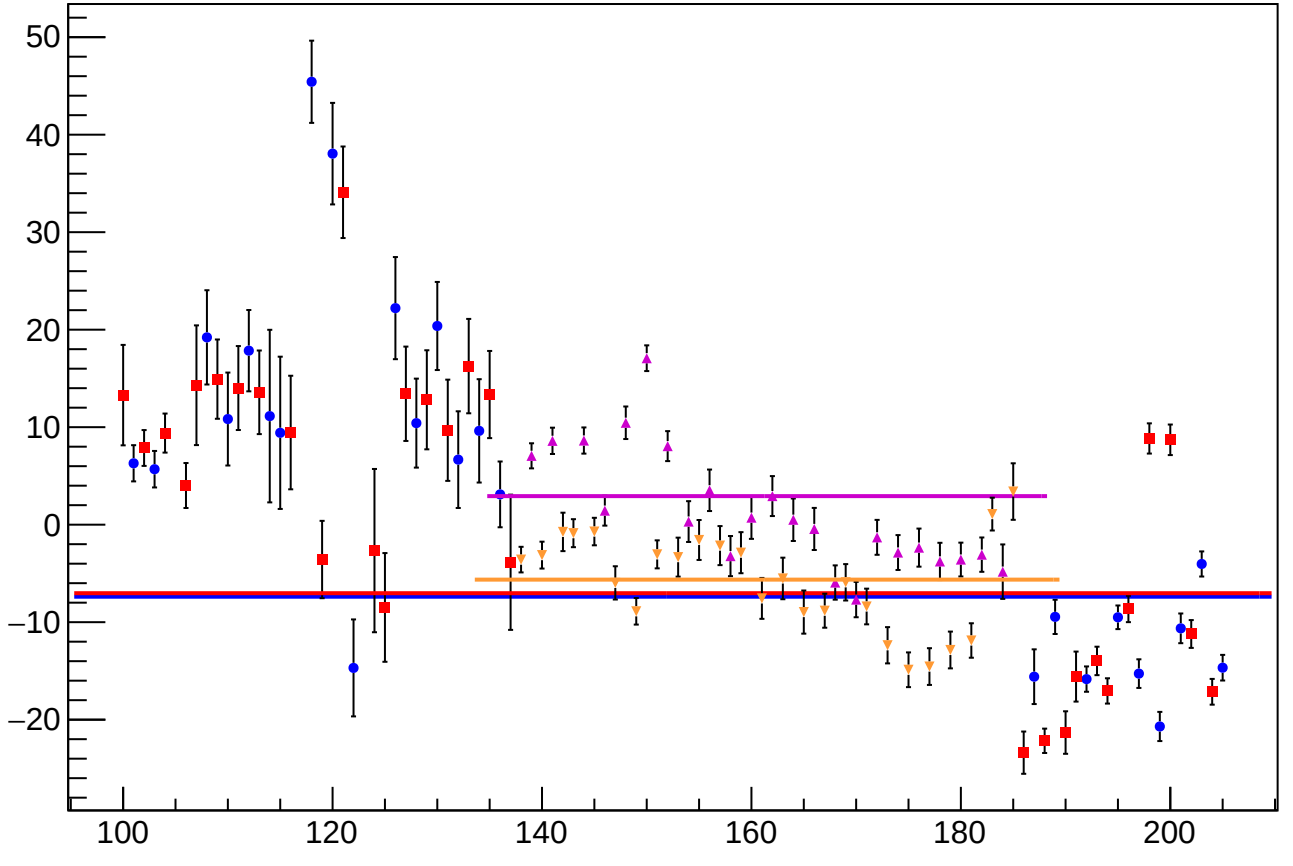
Right: 56942.820+/-7.520 χ^2/NDF: 1525355.0/54

In: 63941.578+/-8.089 χ^2/NDF:2172124.5/47

Out: 63720.848+/-7.772 χ^2/NDF:2226608.7/54

All: 63826.805+/-5.604 χ^2/NDF: 4399120.4/

diff_bpm0r03Y_mean vs Slug, Sign Corrected



Right In: -7.387+/-0.429 χ^2/NDF: 747.1/24

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -7.028+/-0.405 χ^2/NDF: 1047.9/29

Left In: 2.929+/-0.362 χ^2/NDF:337.4/22

Left: -1.513+/-0.251 χ^2/NDF: 805.4/47

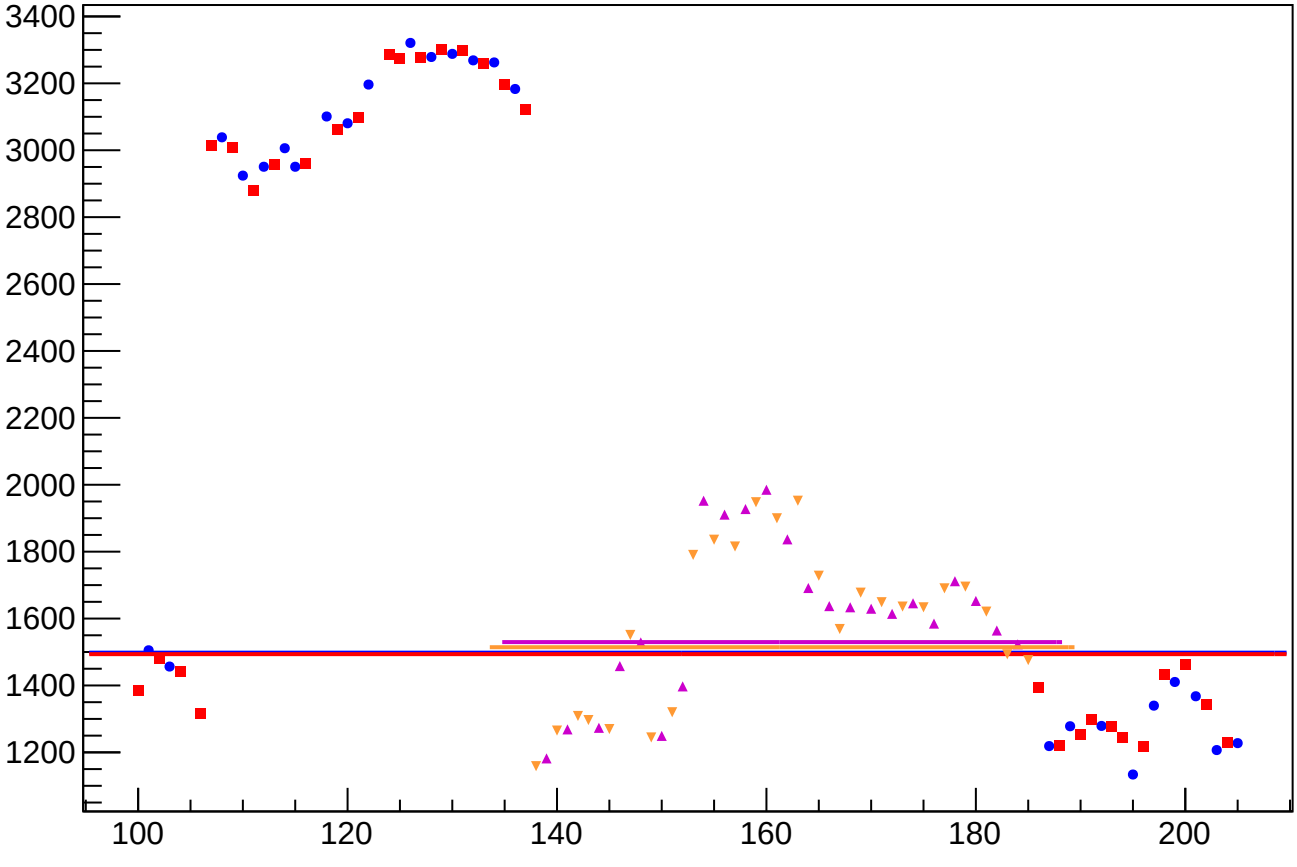
Right: -7.197+/-0.295 χ^2/NDF: 1795.3/54

In: -1.362+/-0.277 χ^2/NDF:1421.8/47

Out: -6.229+/-0.264 χ^2/NDF:1232.8/54

All: -3.908+/-0.191 χ^2/NDF: 2816.2/102

diff_bpm0r03Y_rms vs Slug, Sign Corrected



Right In: 1498.070+/-0.304 χ^2/NDF: 3817094.4/24

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1493.601+/-0.286 χ^2/NDF: 3699248.6/29

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

Left: 1521.700+/-0.178 χ^2/NDF: 1763664.0/47

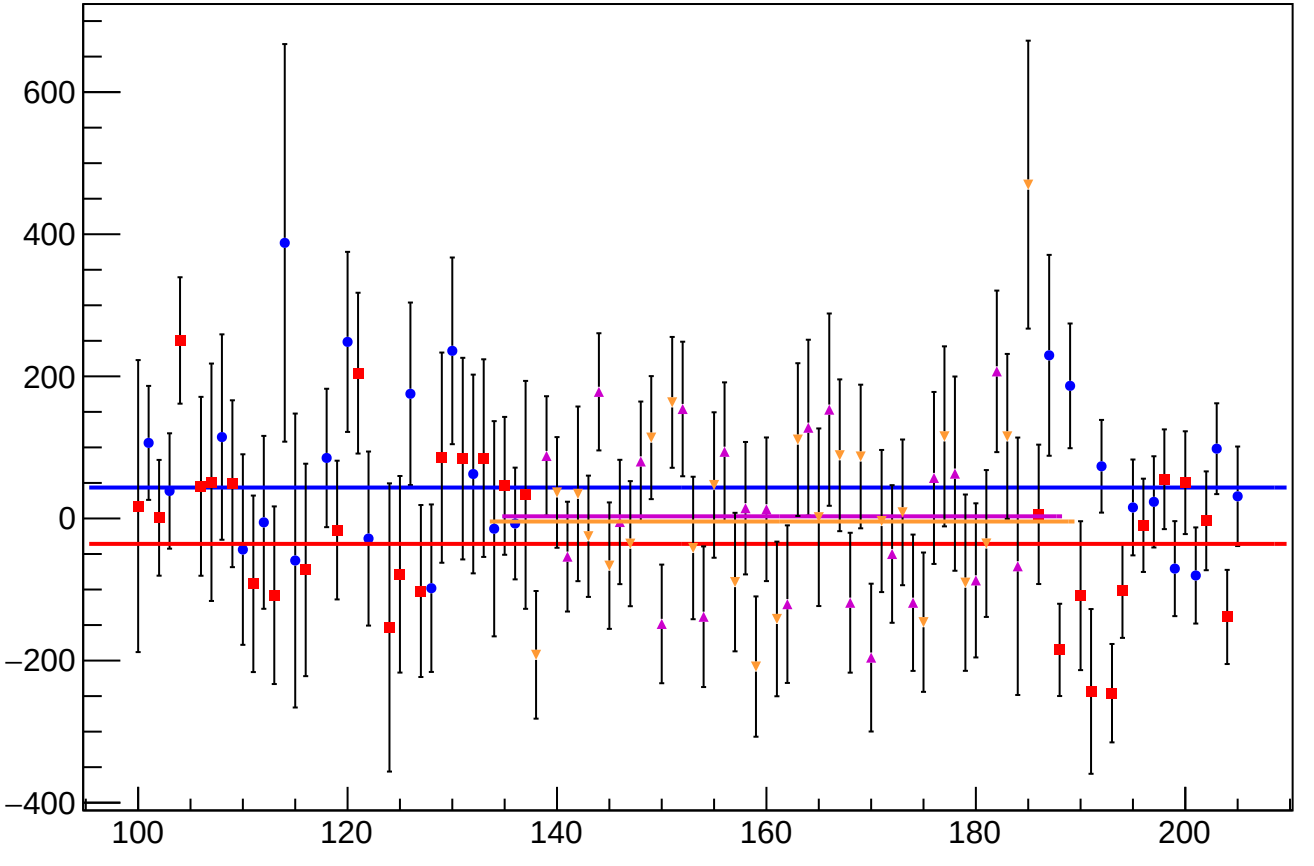
Right: 1495.706+/-0.208 χ^2/NDF: 7516457.7/54

In: 1516.505+/-0.196 χ^2/NDF:4651892.0/47

Out: 1505.498+/-0.187 χ^2/NDF:4635588.4/54

All: 1510.748+/-0.135 χ^2/NDF: 9289133.8/10

diff_bpm0r05X_mean vs Slug, Sign Corrected



Right In: 43.527+/-18.367 χ^2/NDF: 23.5/24

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

Right Out: -35.772+/-17.489 χ^2/NDF: 46.0/29

Left In: 3.017+/-20.720 χ^2/NDF:30.7/22

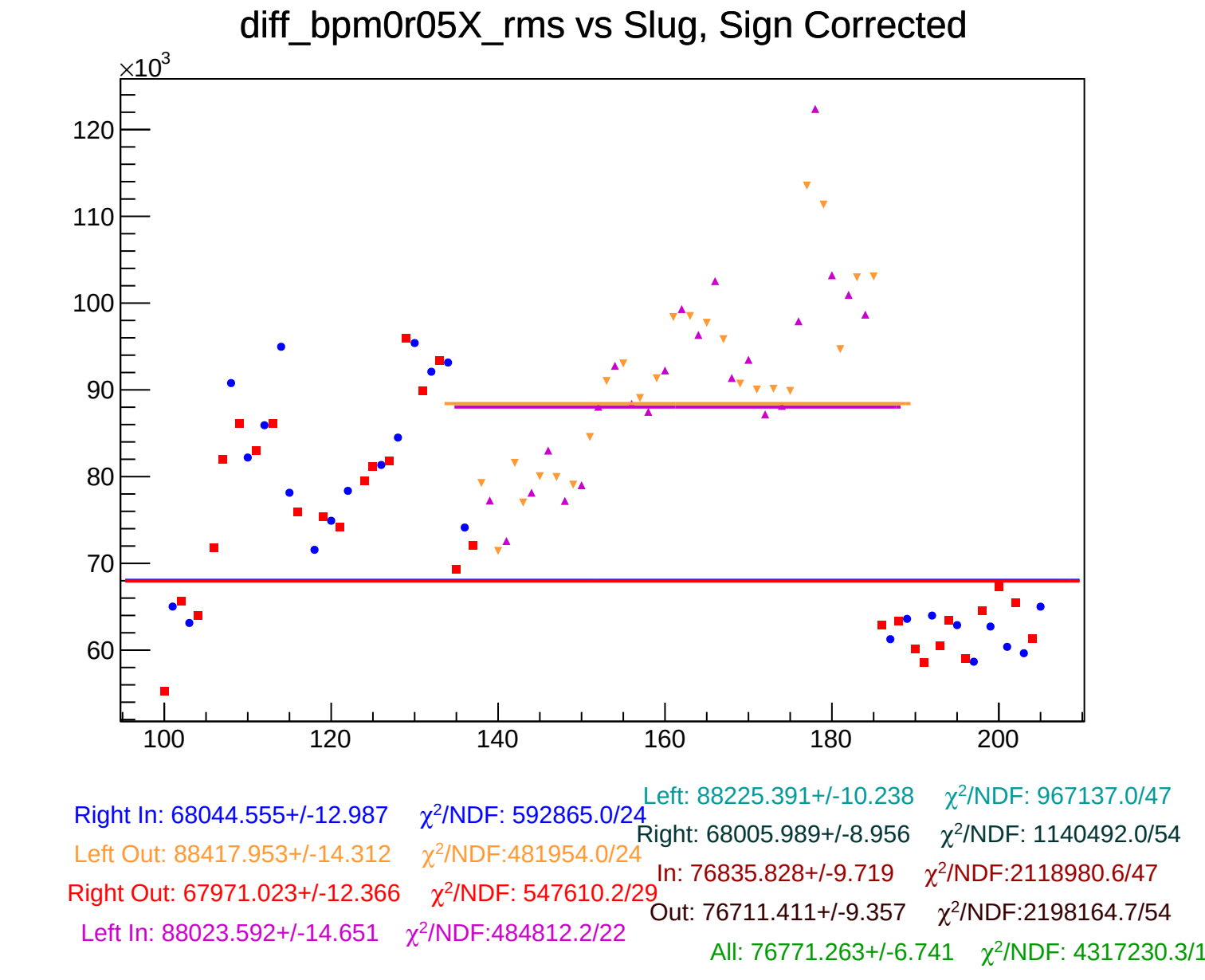
Left: -0.714+/-14.478 χ^2/NDF: 61.2/47

Right: 1.936+/-12.666 χ^2/NDF: 79.2/54

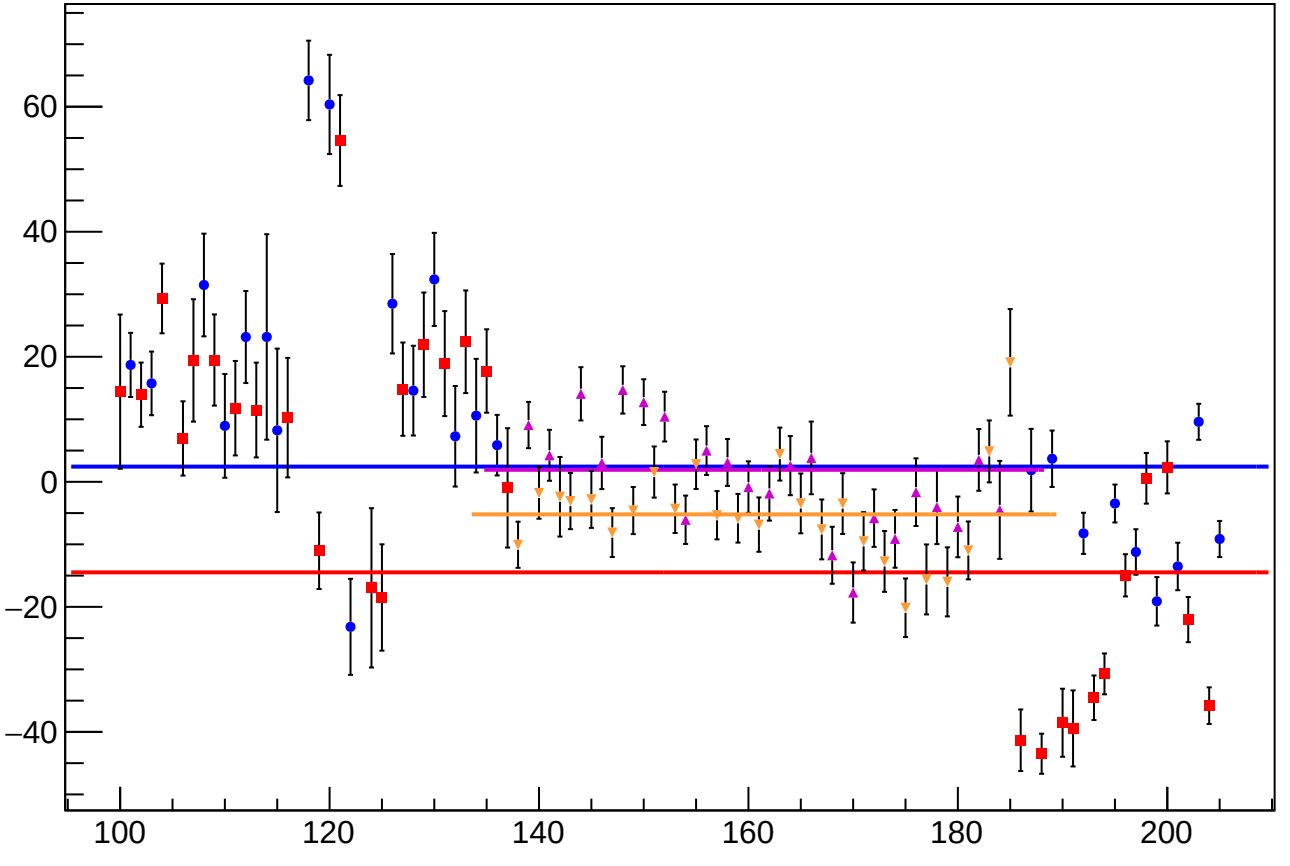
In: 25.702+/-13.744 χ^2/NDF:56.3/47

Out: -22.308+/-13.233 χ^2/NDF:77.8/54

All: 0.787+/-9.533 χ^2/NDF: 140.5/102


diff_bpm0r05X_rms vs Slug, Sign Corrected
×10^3
120
110
100
90
80
70
60
100
120
140
160
180
200
Right In: 68044.555+/-12.987 χ²/NDF: 592865.0/24
Left Out: 88417.953+/-14.312 χ²/NDF:481954.0/24
Right Out: 67971.023+/-12.366 χ²/NDF: 547610.2/29
Left In: 88023.592+/-14.651 χ²/NDF:484812.2/22
Left: 88225.391+/-10.238 χ²/NDF: 967137.0/47
Right: 68005.989+/-8.956 χ²/NDF: 1140492.0/54
In: 76835.828+/-9.719 χ²/NDF:2118980.6/47
Out: 76711.411+/-9.357 χ²/NDF:2198164.7/54
All: 76771.263+/-6.741 χ²/NDF: 4317230.3/1

diff_bpm0r05Y_mean vs Slug, Sign Corrected



Right In: 2.433+/-0.981 χ^2/NDF: 329.2/24

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: -14.482+/-0.948 χ^2/NDF: 653.7/29

Left In: 1.924+/-0.916 χ^2/NDF:83.2/22

Left: -1.729+/-0.640 χ^2/NDF: 165.2/47

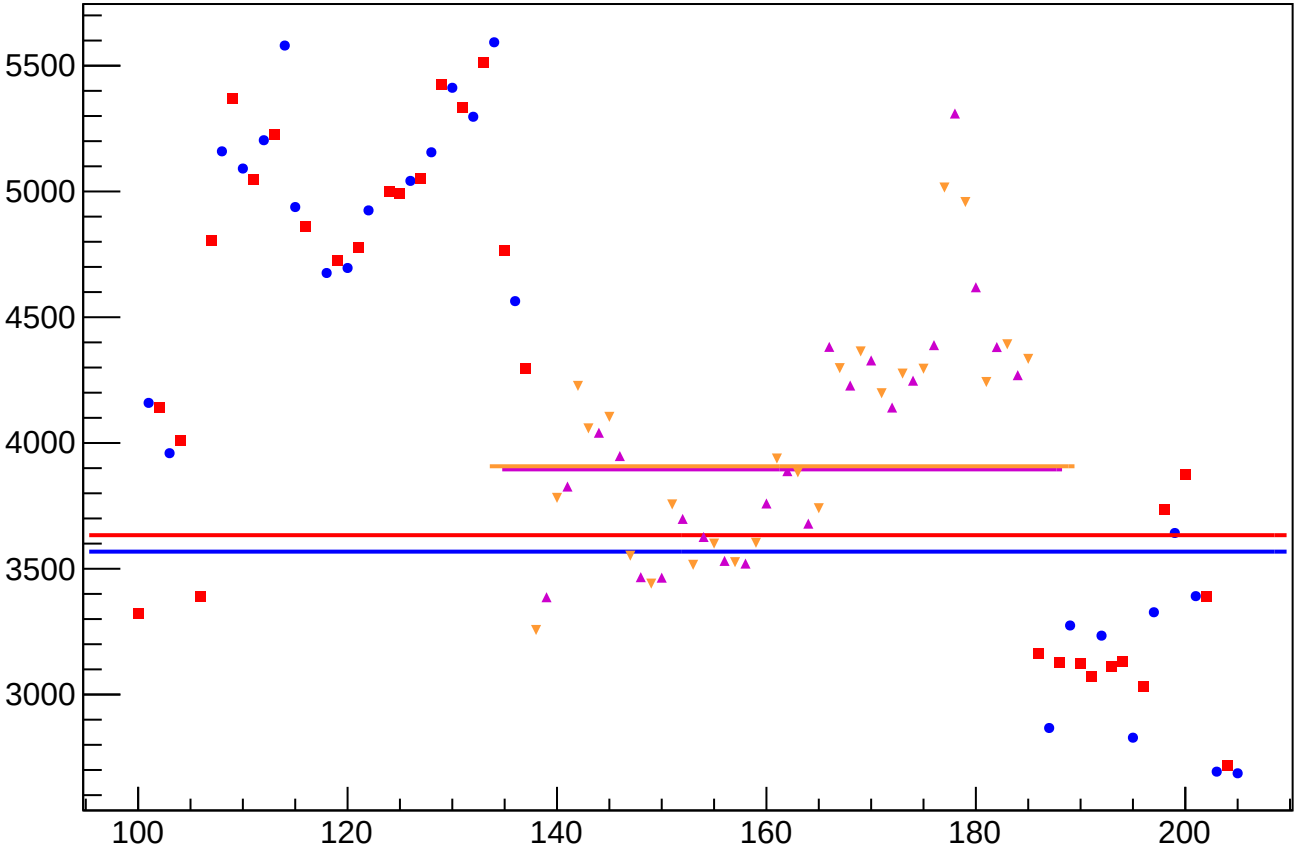
Right: -6.307+/-0.682 χ^2/NDF: 1136.7/54

In: 2.161+/-0.670 χ^2/NDF:412.6/47

Out: -9.569+/-0.650 χ^2/NDF:755.4/54

All: -3.873+/-0.467 χ^2/NDF: 1325.9/102

diff_bpm0r05Y_rms vs Slug, Sign Corrected



Right In: 3568.098+/-0.694 χ^2/NDF: 1615588.5/24

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3633.497+/-0.671 χ^2/NDF: 1441377.1/29

Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

Left: 3901.439+/-0.452 χ^2/NDF: 851302.8/47

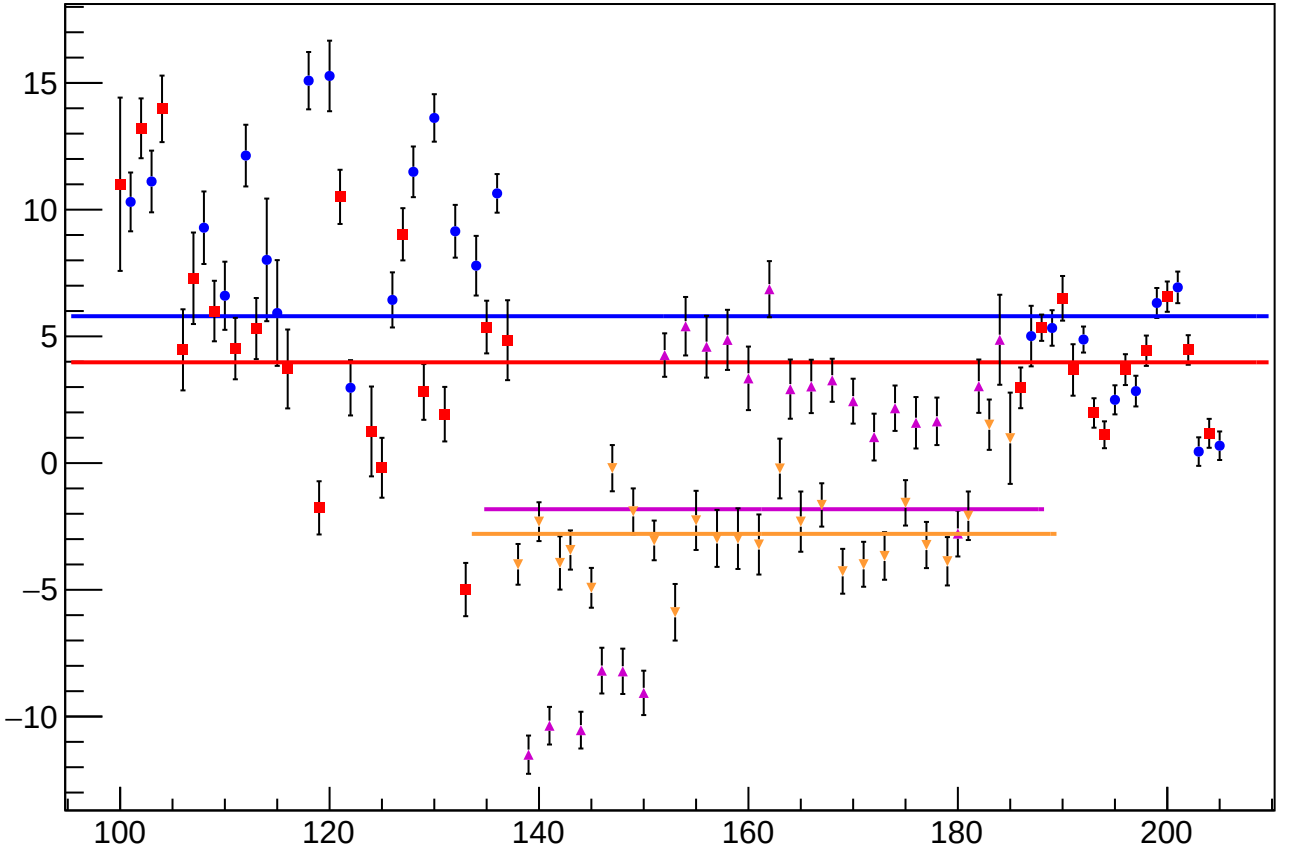
Right: 3601.892+/-0.482 χ^2/NDF: 3061560.9/54

In: 3742.707+/-0.473 χ^2/NDF:2144223.1/47

Out: 3778.598+/-0.460 χ^2/NDF:1970958.6/54

All: 3761.170+/-0.330 χ^2/NDF: 4118138.0/10

diff_bpm2i01X_mean vs Slug, Sign Corrected



Right In: 5.796+/-0.167 χ^2/NDF: 582.7/24

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: 3.977+/-0.157 χ^2/NDF: 419.0/29

Left In: -1.820+/-0.198 χ^2/NDF:1026.0/22

Left: -2.327+/-0.137 χ^2/NDF: 1107.0/47

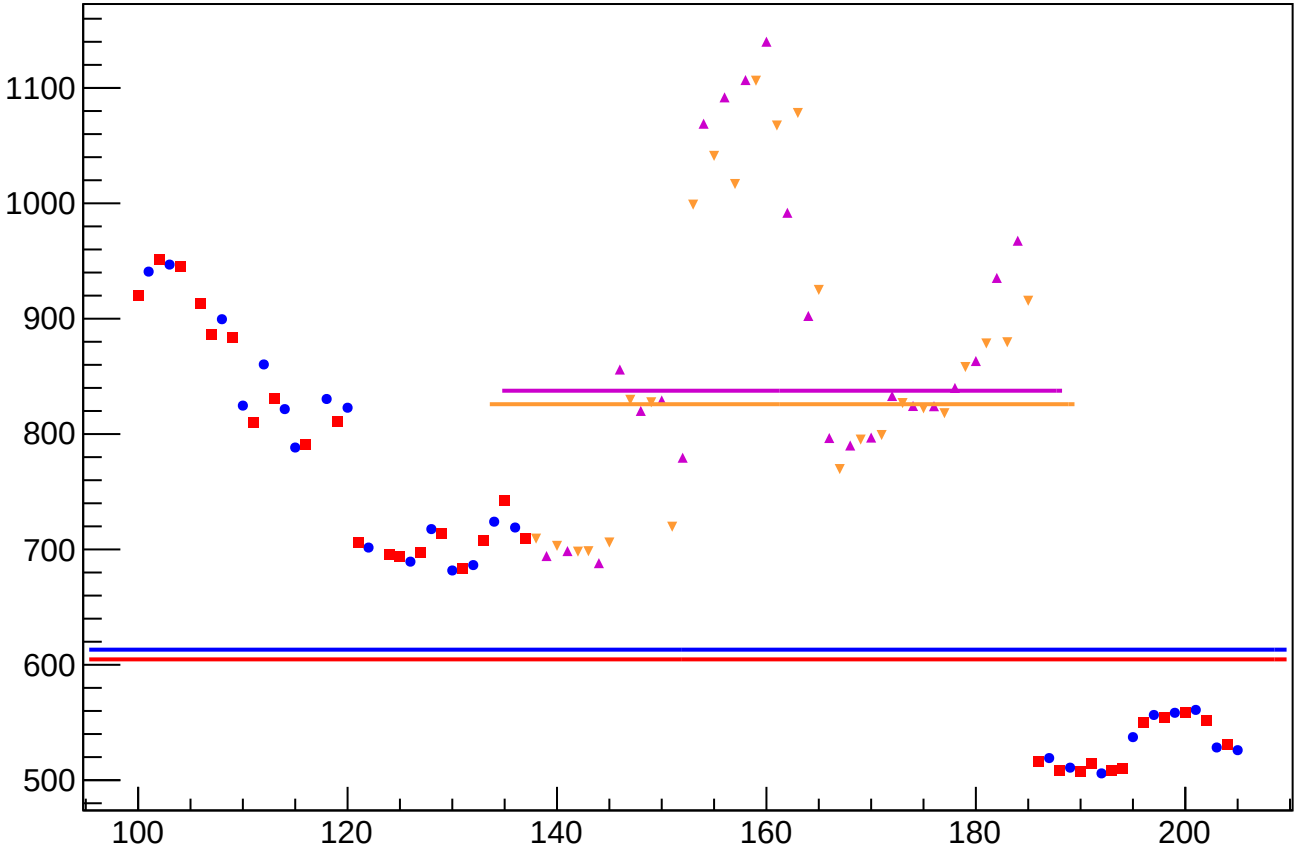
Right: 4.832+/-0.114 χ^2/NDF: 1064.8/54

In: 2.643+/-0.127 χ^2/NDF:2474.3/47

Out: 1.232+/-0.121 χ^2/NDF:1241.5/54

All: 1.901+/-0.088 χ^2/NDF: 3780.2/102

diff_bpm2i01X_rms vs Slug, Sign Corrected



Right In: 613.129+/-0.118 χ^2/NDF: 1111046.0/24

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 604.702+/-0.111 χ^2/NDF: 1278844.4/29

Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

Left: 831.482+/-0.097 χ^2/NDF: 1482830.3/47

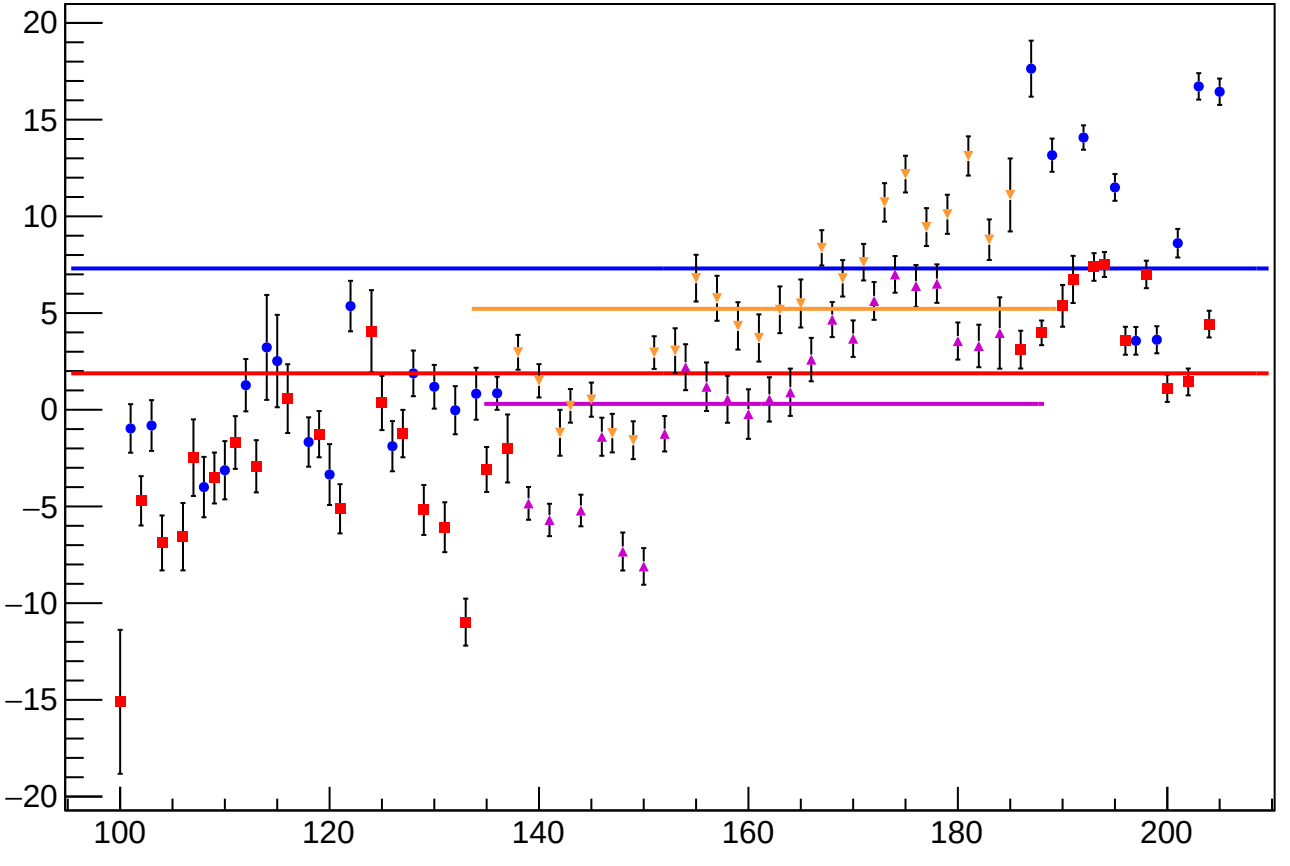
Right: 608.666+/-0.081 χ^2/NDF: 2392601.8/54

In: 706.033+/-0.090 χ^2/NDF:3328731.1/47

Out: 694.383+/-0.086 χ^2/NDF:3654058.4/54

All: 699.905+/-0.062 χ^2/NDF: 6991571.9/102

diff_bpm2i01Y_mean vs Slug, Sign Corrected



Right In: 7.305+/-0.197 χ^2/NDF: 1198.9/24

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: 1.883+/-0.186 χ^2/NDF: 647.0/29

Left In: 0.304+/-0.213 χ^2/NDF:495.2/22

Left: 2.859+/-0.147 χ^2/NDF: 1222.8/47

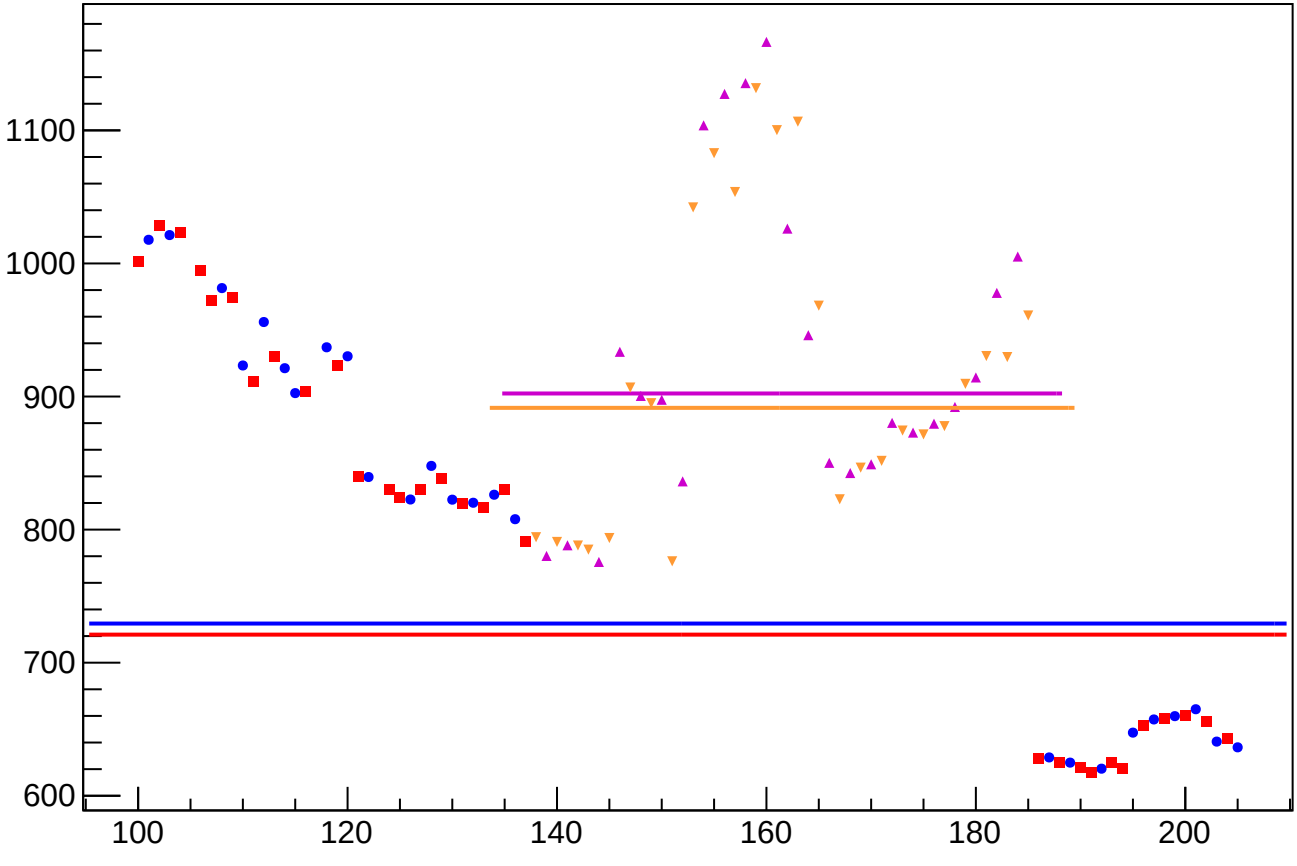
Right: 4.439+/-0.135 χ^2/NDF: 2246.2/54

In: 4.071+/-0.145 χ^2/NDF:2277.3/47

Out: 3.395+/-0.138 χ^2/NDF:1242.7/54

All: 3.717+/-0.100 χ^2/NDF: 3531.4/102

diff_bpm2i01Y_rms vs Slug, Sign Corrected



Right In: 729.408+/-0.139 χ^2/NDF: 801704.7/24

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 721.082+/-0.132 χ^2/NDF: 921589.4/29

Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

Left: 896.677+/-0.104 χ^2/NDF: 1005398.0/47

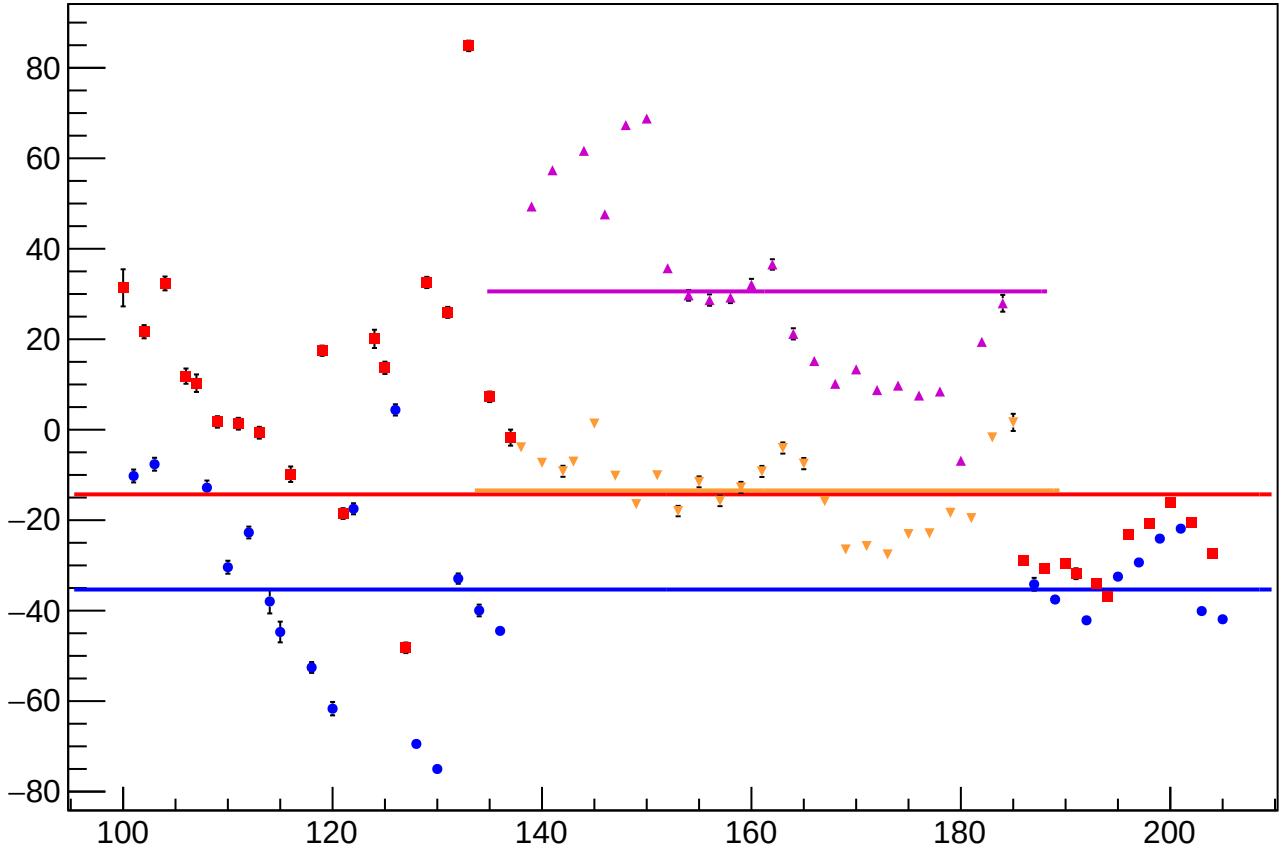
Right: 725.008+/-0.096 χ^2/NDF: 1725181.6/54

In: 809.264+/-0.102 χ^2/NDF:1997894.1/47

Out: 798.324+/-0.097 χ^2/NDF:2199631.1/54

All: 803.525+/-0.070 χ^2/NDF: 4203537.2/102

diff_bpm2i02X_mean vs Slug, Sign Corrected



Right In: -35.328+/-0.193 χ^2/NDF: 6175.7/24

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -14.296+/-0.183 χ^2/NDF: 19282.4/29

Left In: 30.571+/-0.215 χ^2/NDF:10386.5/22

Left: 7.613+/-0.149 χ^2/NDF: 33863.7/47

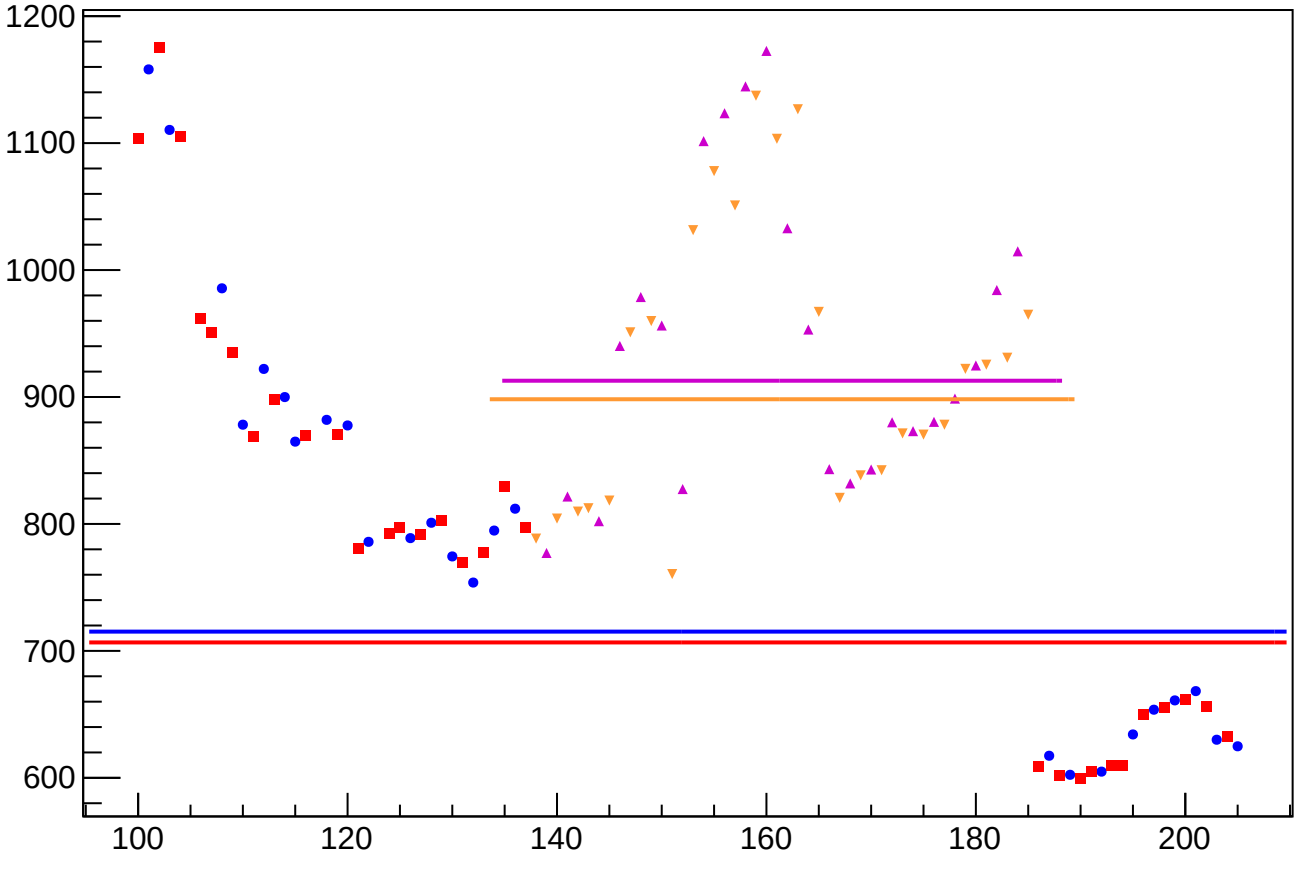
Right: -24.204+/-0.133 χ^2/NDF: 31712.7/54

In: -5.880+/-0.144 χ^2/NDF:68443.5/47

Out: -13.911+/-0.137 χ^2/NDF:20955.9/54

All: -10.102+/-0.099 χ^2/NDF: 91038.6/102

diff_bpm2i02X_rms vs Slug, Sign Corrected



Right In: 715.185+/-0.137 χ^2/NDF: 872452.4/24

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 706.662+/-0.129 χ^2/NDF: 988255.2/29

Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

Left: 905.203+/-0.105 χ^2/NDF: 1003190.0/47

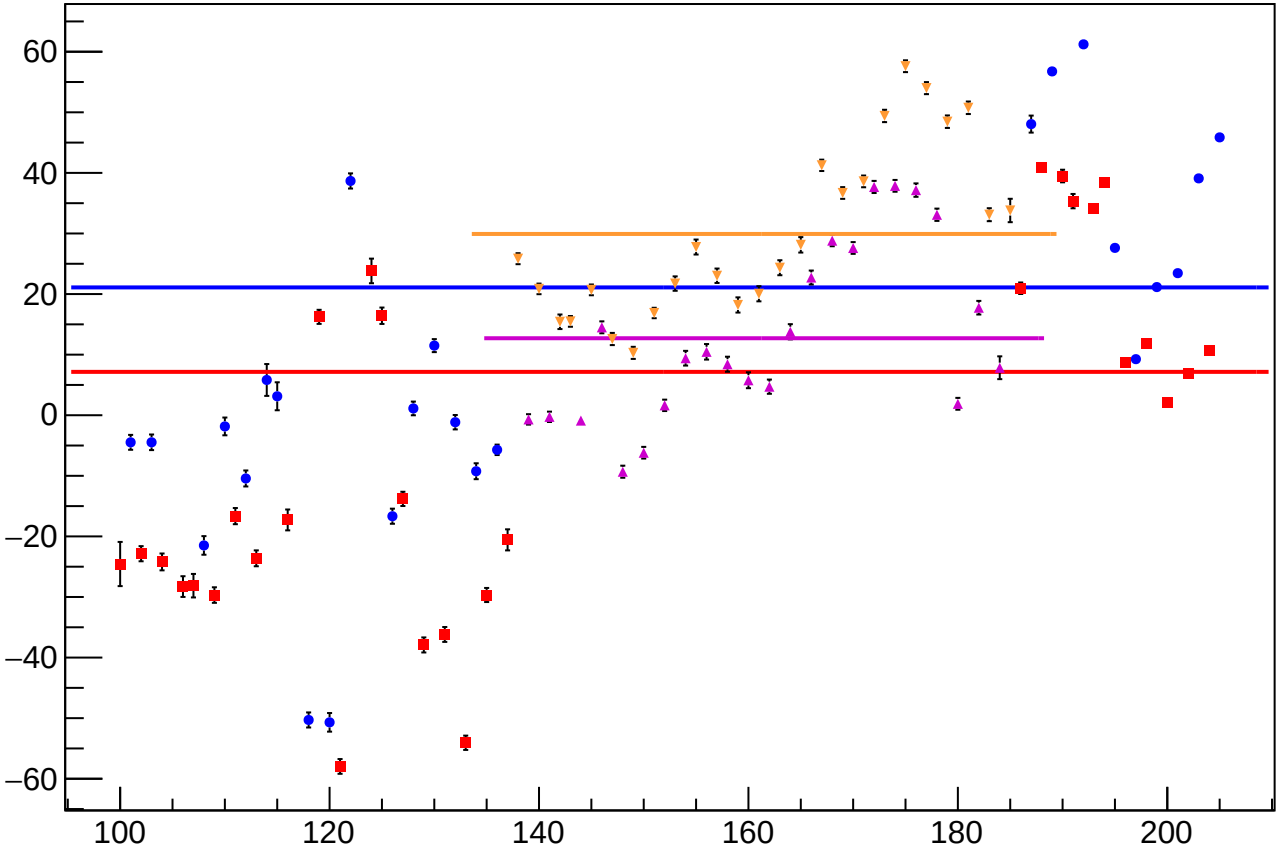
Right: 710.677+/-0.094 χ^2/NDF: 1862761.9/54

In: 803.501+/-0.102 χ^2/NDF:2285707.4/47

Out: 790.935+/-0.097 χ^2/NDF:2475744.4/54

All: 796.894+/-0.070 χ^2/NDF: 4769477.0/102

diff_bpm2i02Y_mean vs Slug, Sign Corrected



Right In: 21.097+/-0.191 χ^2/NDF: 20491.6/24

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 7.158+/-0.181 χ^2/NDF: 22634.0/29

Left In: 12.708+/-0.217 χ^2/NDF:4791.2/22

Left: 21.661+/-0.150 χ^2/NDF: 12640.8/47

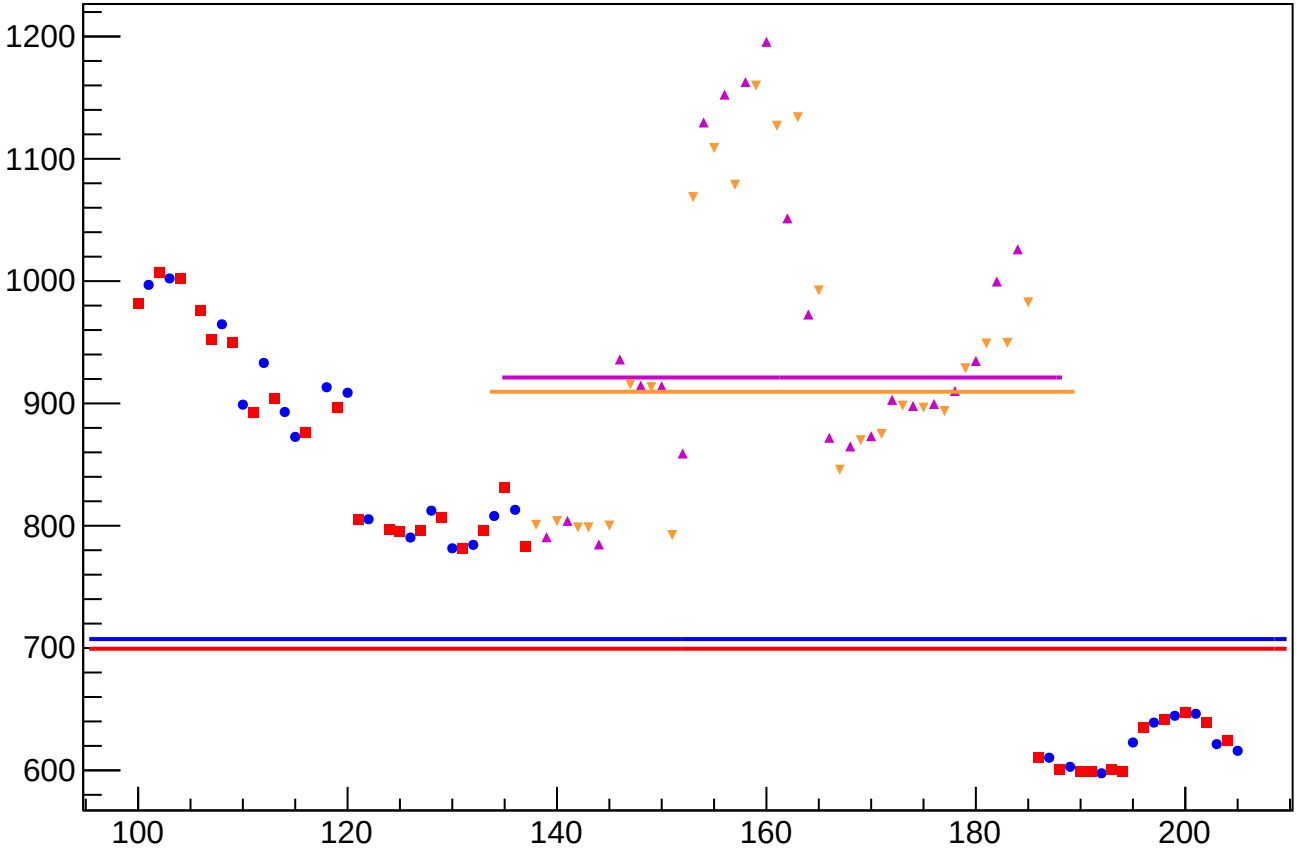
Right: 13.730+/-0.131 χ^2/NDF: 45936.3/54

In: 17.434+/-0.143 χ^2/NDF:26123.9/47

Out: 16.909+/-0.136 χ^2/NDF:34024.6/54

All: 17.159+/-0.099 χ^2/NDF: 60155.6/102

diff_bpm2i02Y_rms vs Slug, Sign Corrected



Right In: 707.341+/-0.135 χ^2/NDF: 834093.2/24

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 699.430+/-0.128 χ^2/NDF: 949690.8/29

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

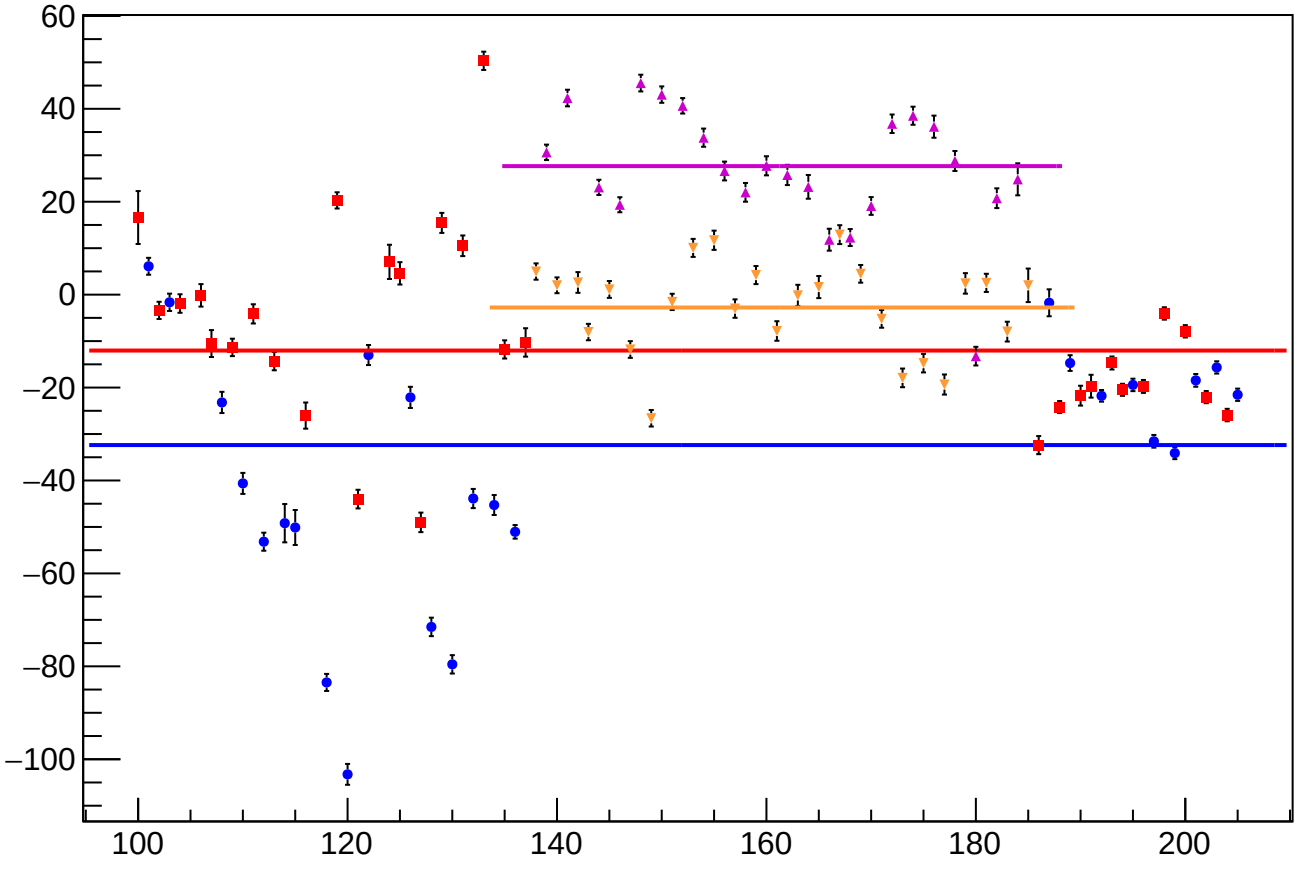
Left: 915.140+/-0.106 χ^2/NDF: 1042039.9/47

Right: 703.160+/-0.093 χ^2/NDF: 1785594.7/54

In: 800.713+/-0.101 χ^2/NDF:2424525.3/47

Out: 789.436+/-0.097 χ^2/NDF:2651913.4/54

All: 794.794+/-0.070 χ^2/NDF: 5082924.6/102



Right In: -32.375+/-0.350 χ^2/NDF: 4675.9/24

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -12.030+/-0.333 χ^2/NDF: 2905.6/29

Left In: 27.663+/-0.409 χ^2/NDF:989.9/22

Left: 12.021+/-0.285 χ^2/NDF: 4455.3/47

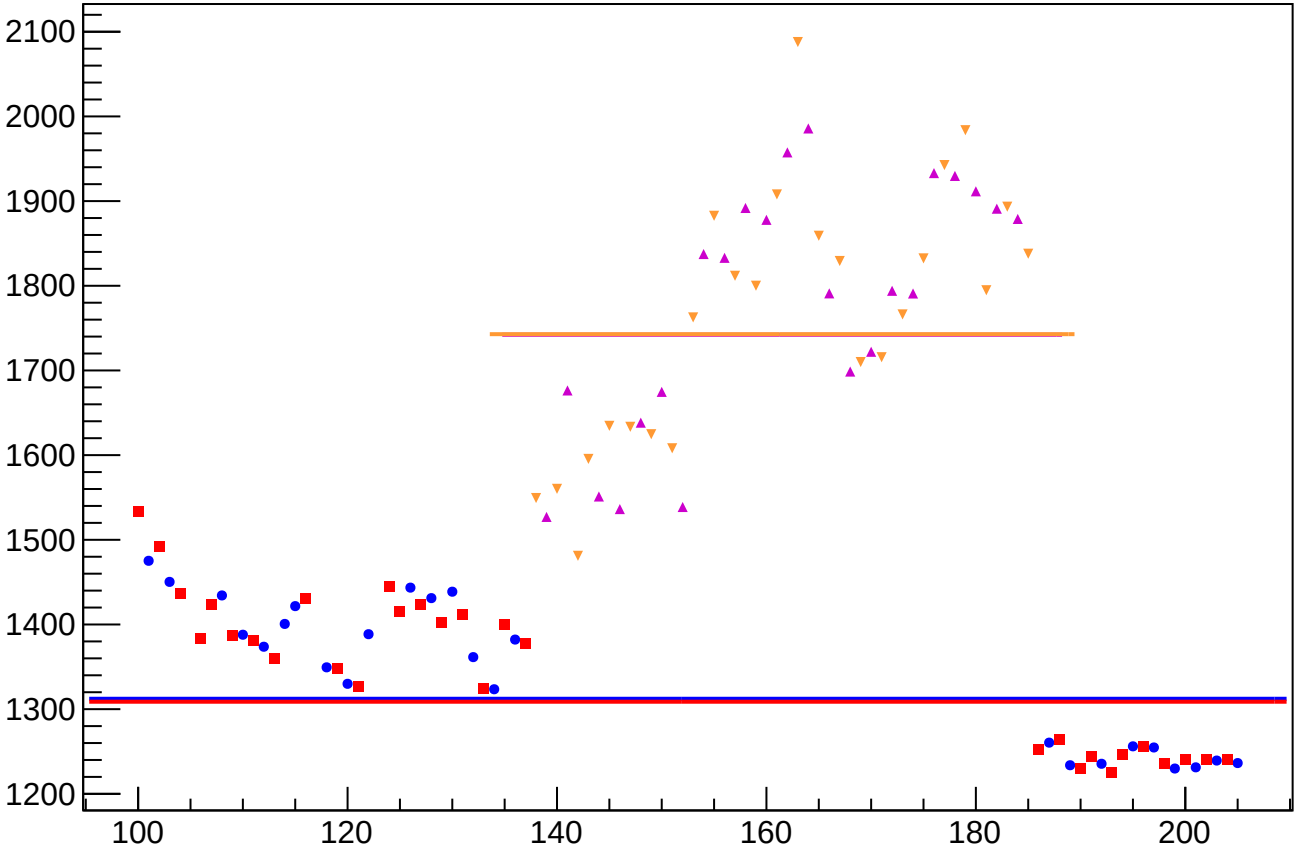
Right: -21.706+/-0.241 χ^2/NDF: 9353.6/54

In: -6.976+/-0.266 χ^2/NDF:18114.6/47

Out: -8.205+/-0.255 χ^2/NDF:3840.7/54

All: -7.615+/-0.184 χ^2/NDF: 21966.4/102

diff_bpm0i02X_rms vs Slug, Sign Corrected



Right In: 1312.283+/-0.247 χ^2/NDF: 117896.8/24

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1308.788+/-0.236 χ^2/NDF: 119129.2/29

Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

Left: 1742.507+/-0.201 χ^2/NDF: 524727.9/47

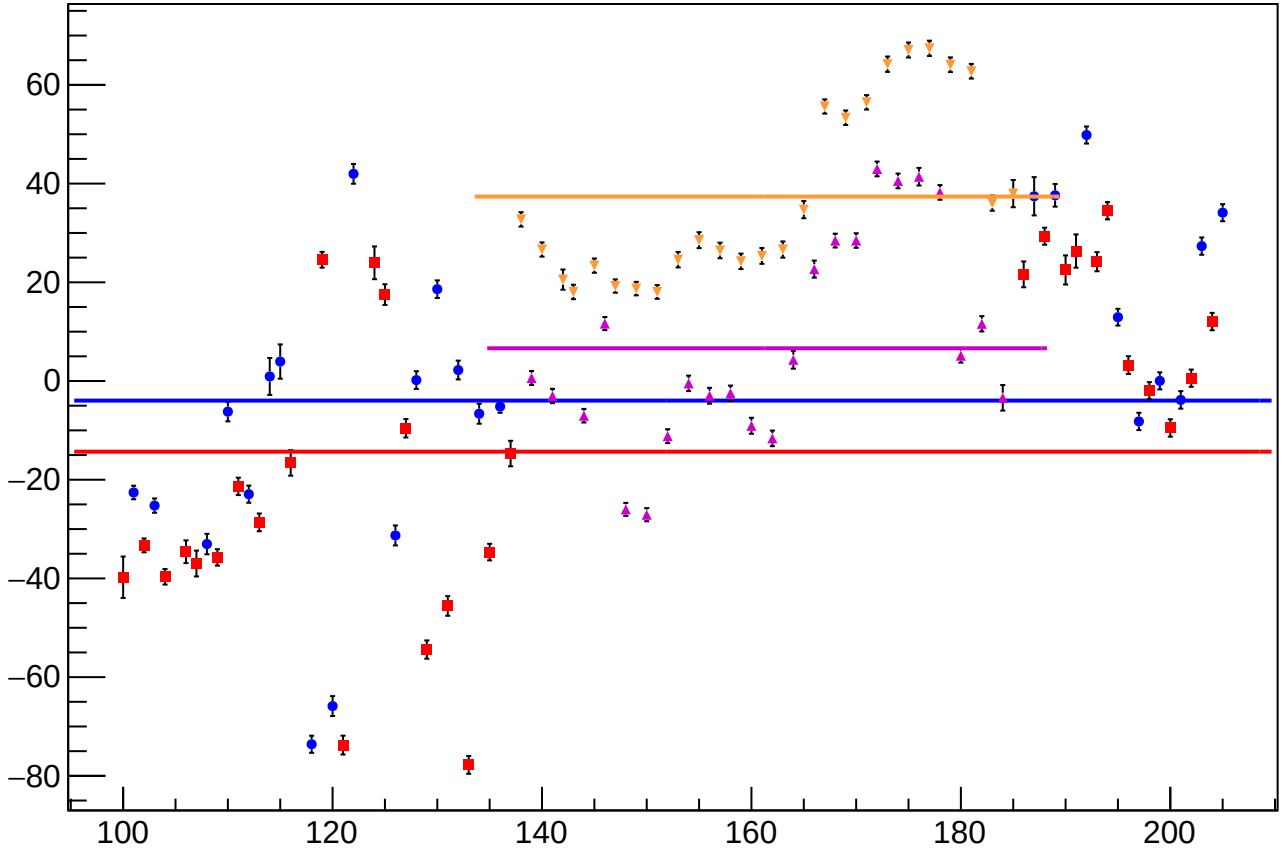
Right: 1310.450+/-0.171 χ^2/NDF: 237130.6/54

In: 1494.140+/-0.188 χ^2/NDF:1655873.7/47

Out: 1488.030+/-0.181 χ^2/NDF:1782855.2/54

All: 1490.963+/-0.130 χ^2/NDF: 3439278.5/10

diff_bpm0i02Y_mean vs Slug, Sign Corrected



Right In: -3.968+/-0.368 χ^2/NDF: 6487.4/24

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: -14.318+/-0.355 χ^2/NDF: 7650.4/29

Left In: 6.631+/-0.316 χ^2/NDF:4410.3/22

Left: 22.404+/-0.221 χ^2/NDF: 12659.0/47

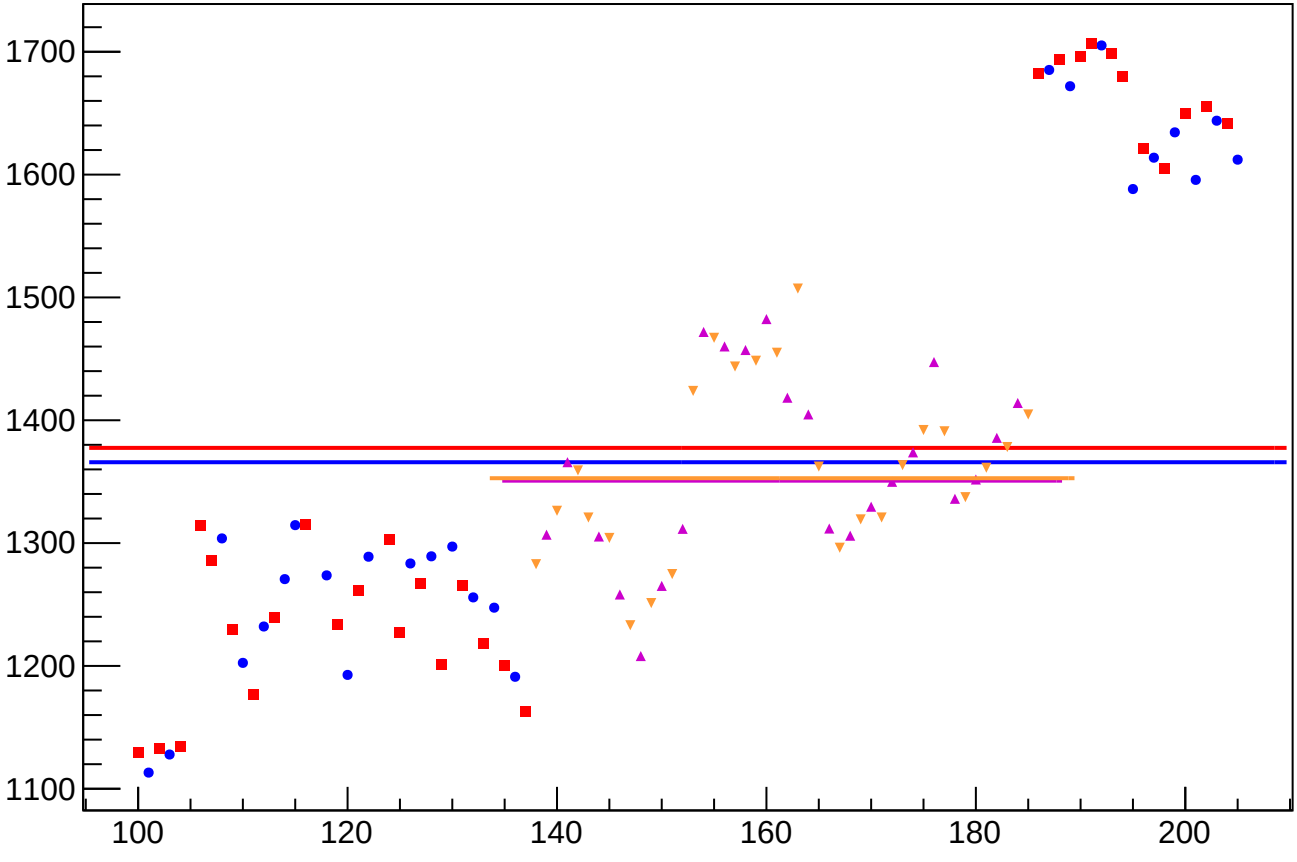
Right: -9.331+/-0.255 χ^2/NDF: 14548.5/54

In: 2.127+/-0.240 χ^2/NDF:11375.7/47

Out: 15.149+/-0.232 χ^2/NDF:23163.2/54

All: 8.837+/-0.167 χ^2/NDF: 36060.1/102

diff_bpm0i02Y_rms vs Slug, Sign Corrected



Right In: 1365.837+/-0.260 χ^2/NDF: 608735.4/24

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1377.512+/-0.251 χ^2/NDF: 757508.0/29

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

Left: 1351.851+/-0.156 χ^2/NDF: 213504.5/47

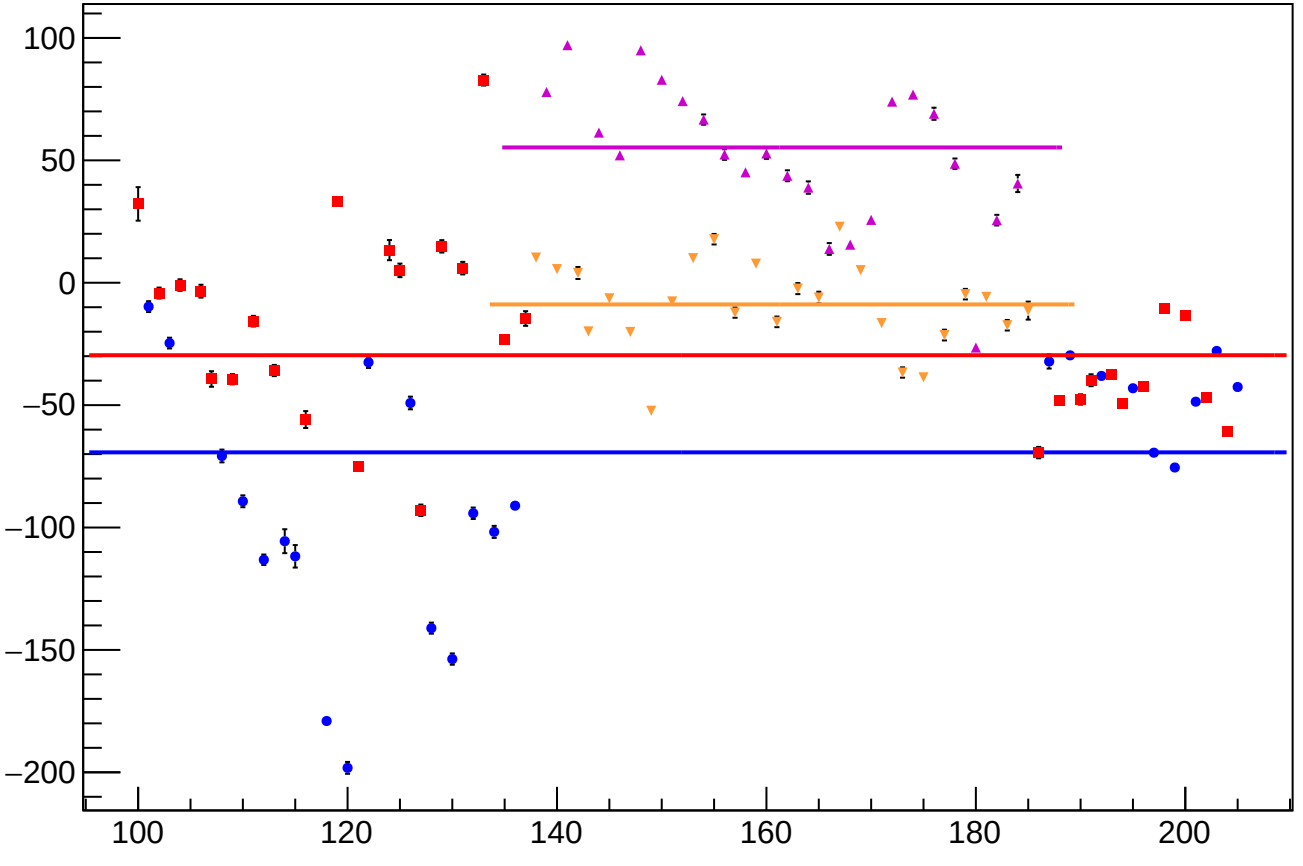
Right: 1371.886+/-0.180 χ^2/NDF: 1367288.4/54

In: 1357.208+/-0.169 χ^2/NDF:719270.0/47

Out: 1363.435+/-0.164 χ^2/NDF:867883.9/54

All: 1360.416+/-0.118 χ^2/NDF: 1587849.5/10

diff_bpm0i02aX_mean vs Slug, Sign Corrected



Right In: -69.292+/-0.389 χ^2/NDF: 13517.5/24

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -29.608+/-0.366 χ^2/NDF: 7825.1/29

Left In: 55.266+/-0.420 χ^2/NDF:4736.1/22

Left: 22.173+/-0.293 χ^2/NDF: 18692.1/47

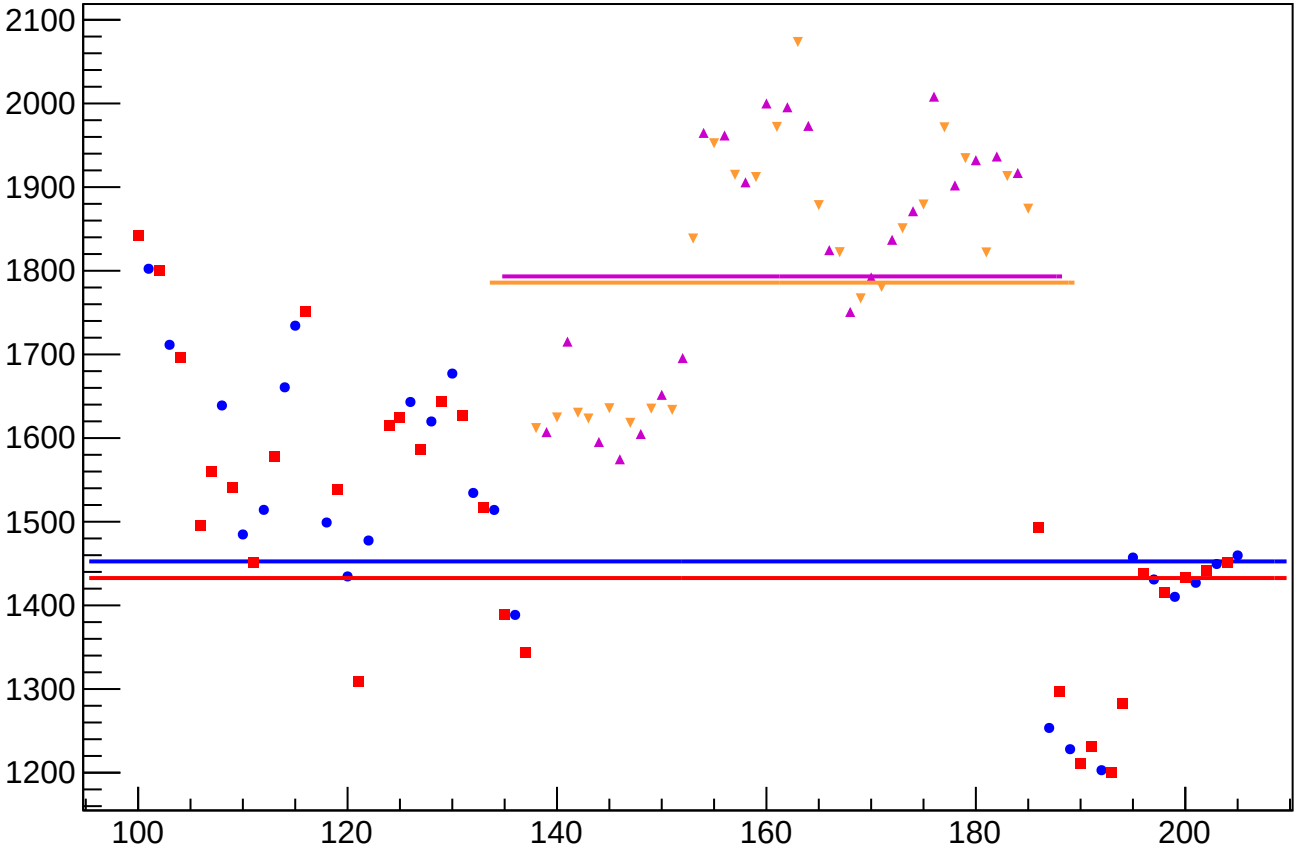
Right: -48.270+/-0.266 χ^2/NDF: 26866.8/54

In: -11.911+/-0.285 χ^2/NDF:65580.4/47

Out: -20.331+/-0.272 χ^2/NDF:11213.9/54

All: -16.319+/-0.197 χ^2/NDF: 77250.1/102

diff_bpm0i02aX_rms vs Slug, Sign Corrected



Right In: 1452.554+/-0.275 χ^2/NDF: 281504.2/24

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1432.670+/-0.259 χ^2/NDF: 330247.3/29

Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

Left: 1789.423+/-0.207 χ^2/NDF: 490348.4/47

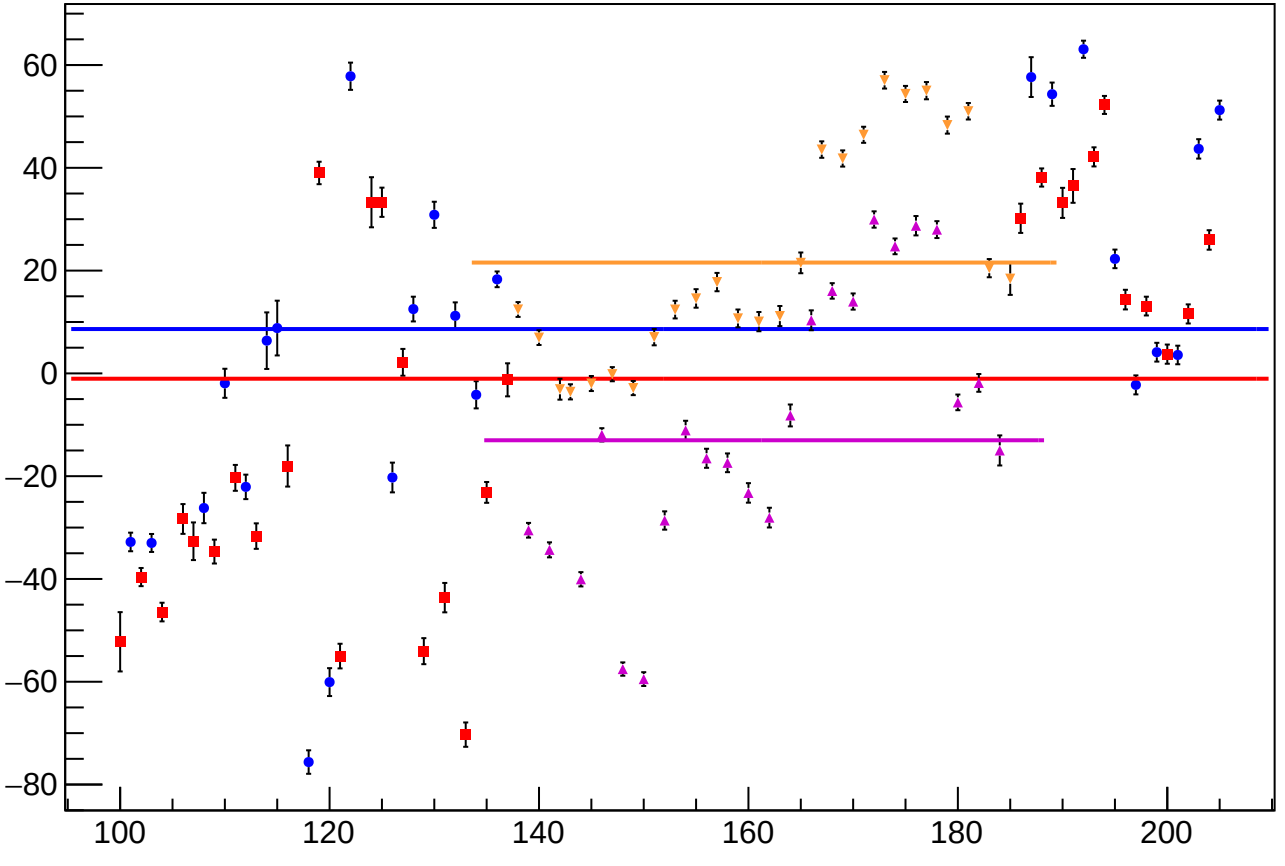
Right: 1442.021+/-0.188 χ^2/NDF: 614525.2/54

In: 1609.503+/-0.202 χ^2/NDF:1242444.9/47

Out: 1590.568+/-0.193 χ^2/NDF:1399391.7/54

All: 1599.590+/-0.139 χ^2/NDF: 2646445.9/10

diff_bpm0i02aY_mean vs Slug, Sign Corrected



Right In: 8.629+/-0.441 χ^2/NDF: 6611.5/24

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -1.037+/-0.422 χ^2/NDF: 7178.2/29

Left In: -13.014+/-0.340 χ^2/NDF:6627.2/22

Left: 4.798+/-0.237 χ^2/NDF: 16115.3/47

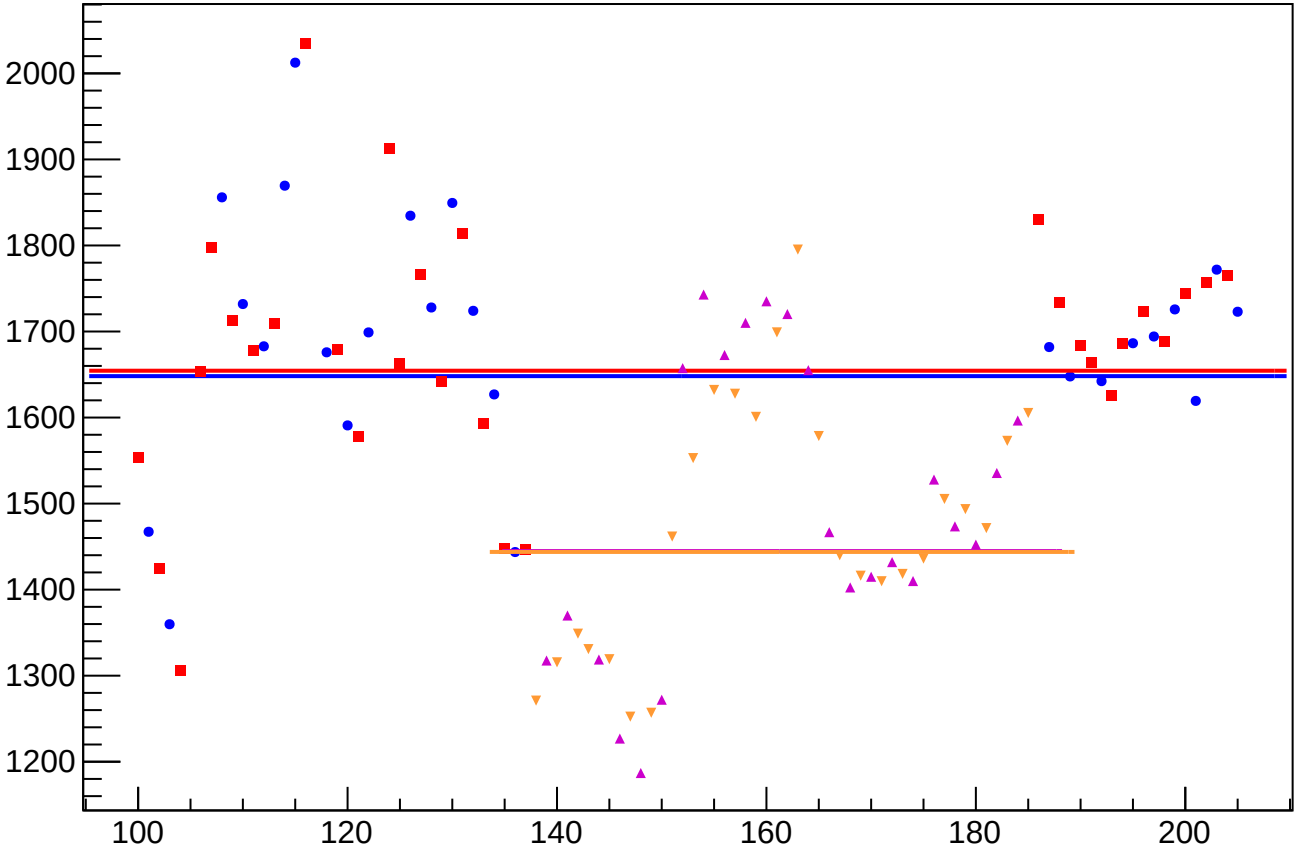
Right: 3.590+/-0.305 χ^2/NDF: 14040.4/54

In: -4.939+/-0.269 χ^2/NDF:14750.3/47

Out: 13.002+/-0.260 χ^2/NDF:13117.7/54

All: 4.344+/-0.187 χ^2/NDF: 30165.5/102

diff_bpm0i02aY_rms vs Slug, Sign Corrected



Right In: 1648.132+/-0.312 χ^2/NDF: 179751.8/24

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1654.438+/-0.299 χ^2/NDF: 214170.5/29

Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

Left: 1444.307+/-0.167 χ^2/NDF: 837637.3/47

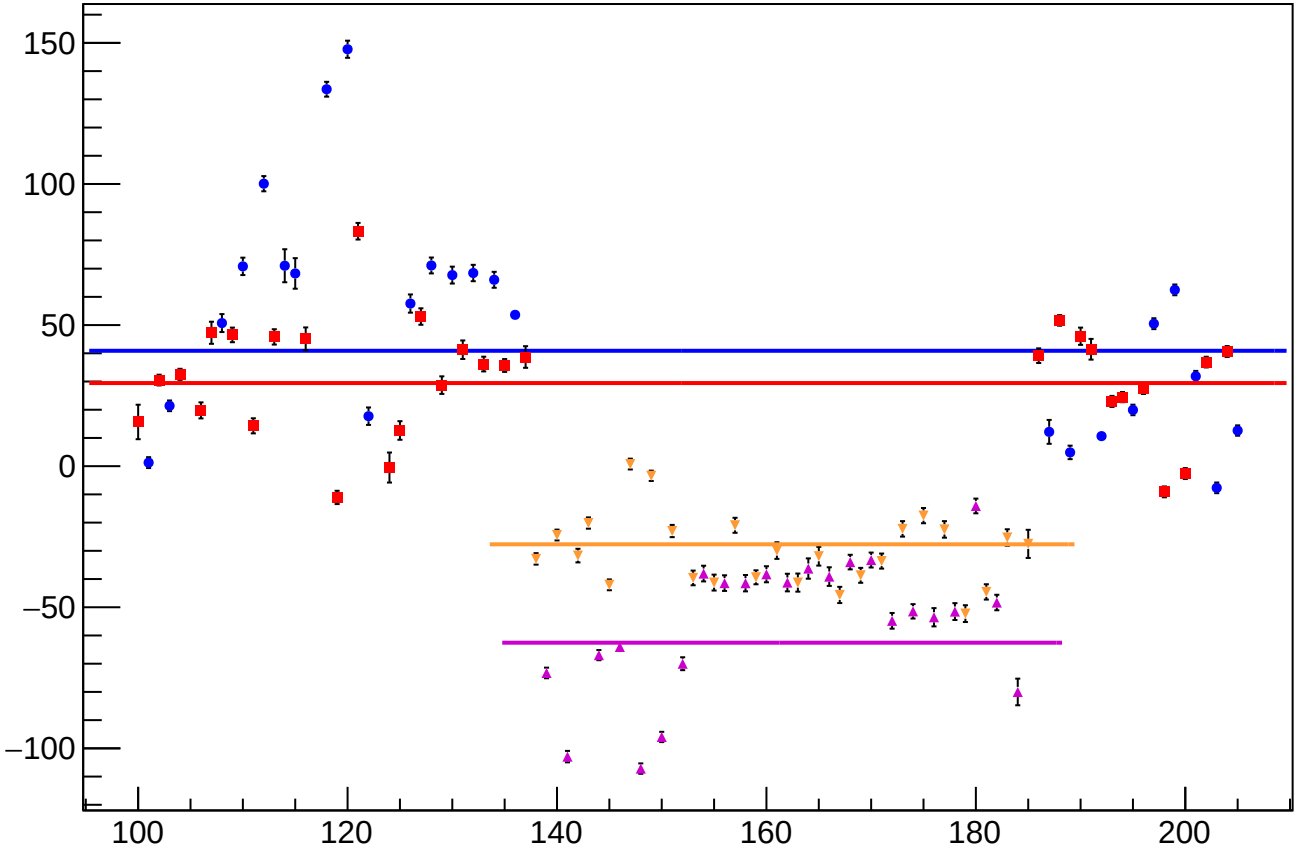
Right: 1651.419+/-0.216 χ^2/NDF: 394135.7/54

In: 1520.675+/-0.190 χ^2/NDF:931765.9/47

Out: 1523.632+/-0.184 χ^2/NDF:875408.8/54

All: 1522.205+/-0.132 χ^2/NDF: 1807299.5/10

diff_bpm0i05X_mean vs Slug, Sign Corrected



Right In: 40.892+/-0.474 χ^2/NDF: 5911.4/24

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: 29.456+/-0.452 χ^2/NDF: 1890.3/29

Left In: -62.558+/-0.512 χ^2/NDF:2458.2/22

Left: -44.581+/-0.356 χ^2/NDF: 5617.4/47

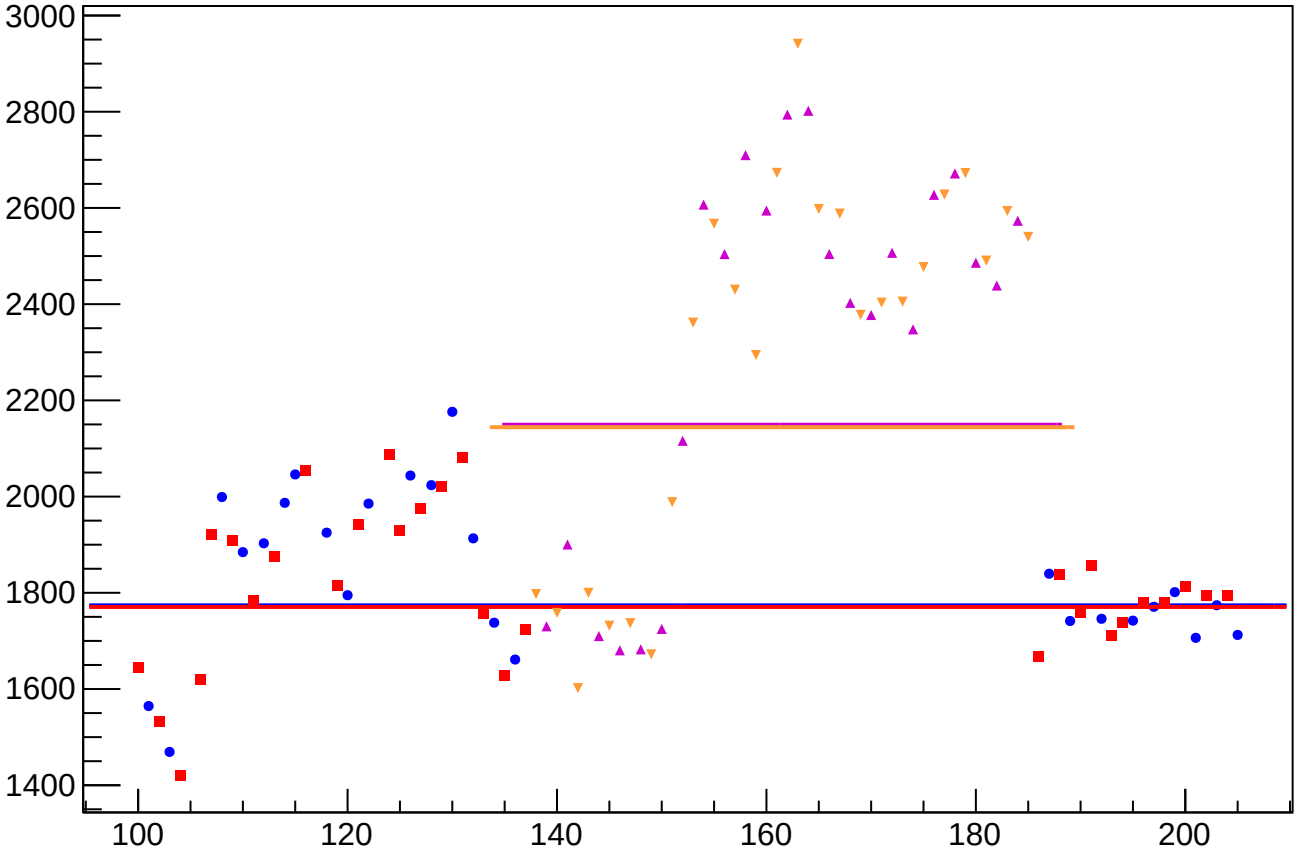
Right: 34.895+/-0.327 χ^2/NDF: 8106.6/54

In: -6.916+/-0.348 χ^2/NDF:30349.0/47

Out: 3.546+/-0.334 χ^2/NDF:9911.9/54

All: -1.472+/-0.241 χ^2/NDF: 40731.5/102

diff_bpm0i05X_rms vs Slug, Sign Corrected



Right In: 1773.902+/-0.335 χ^2/NDF: 202550.3/24

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1770.591+/-0.319 χ^2/NDF: 201054.1/29

Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

Left: 2146.707+/-0.252 χ^2/NDF: 2545679.2/47

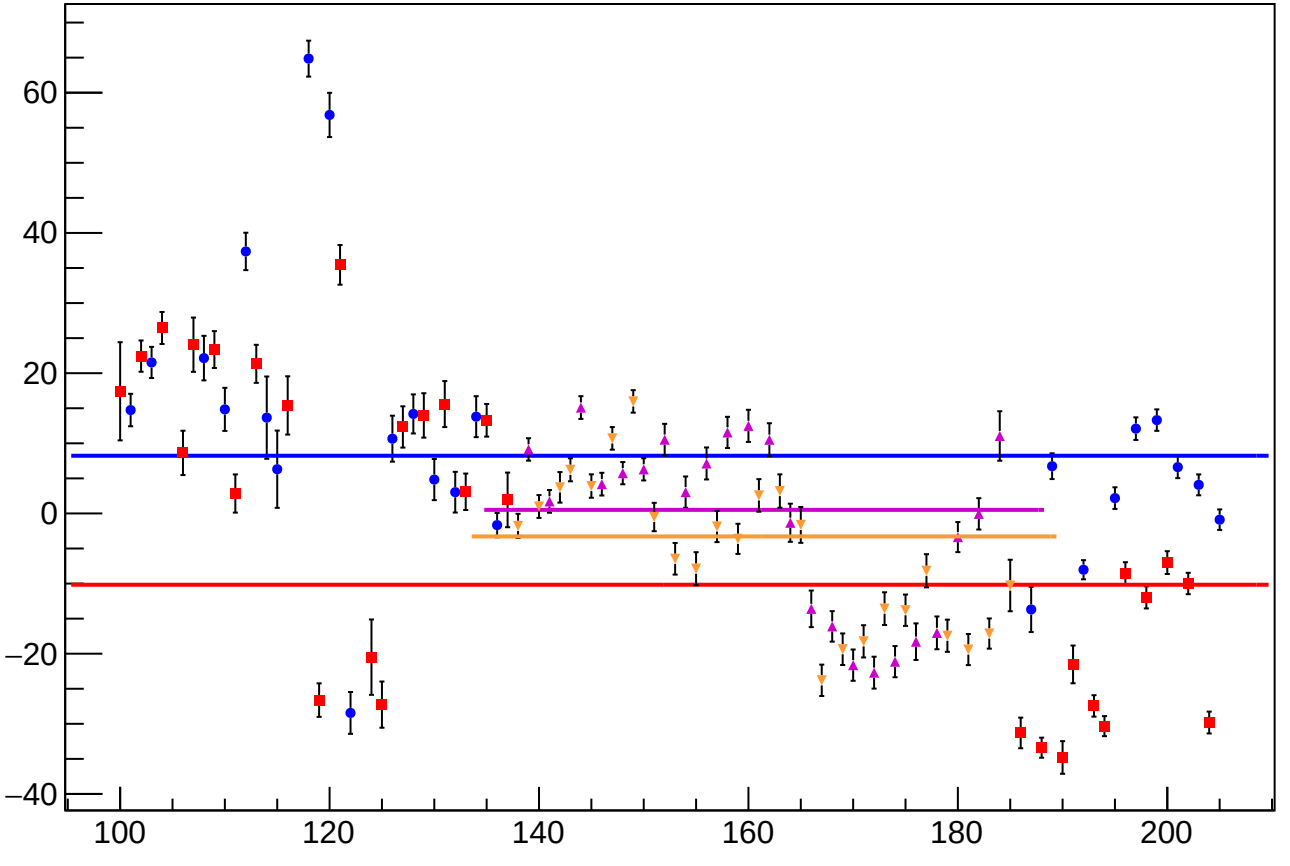
Right: 1772.166+/-0.231 χ^2/NDF: 403655.5/54

In: 1947.413+/-0.246 χ^2/NDF:2047297.4/47

Out: 1939.988+/-0.236 χ^2/NDF:2101175.0/54

All: 1943.549+/-0.170 χ^2/NDF: 4148946.4/10

diff_bpm0i05Y_mean vs Slug, Sign Corrected



Right In: 8.227+/-0.424 χ^2/NDF: 1379.6/24

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: -10.166+/-0.404 χ^2/NDF: 2590.2/29

Left In: 0.511+/-0.430 χ^2/NDF:745.8/22

Left: -1.450+/-0.298 χ^2/NDF: 1457.1/47

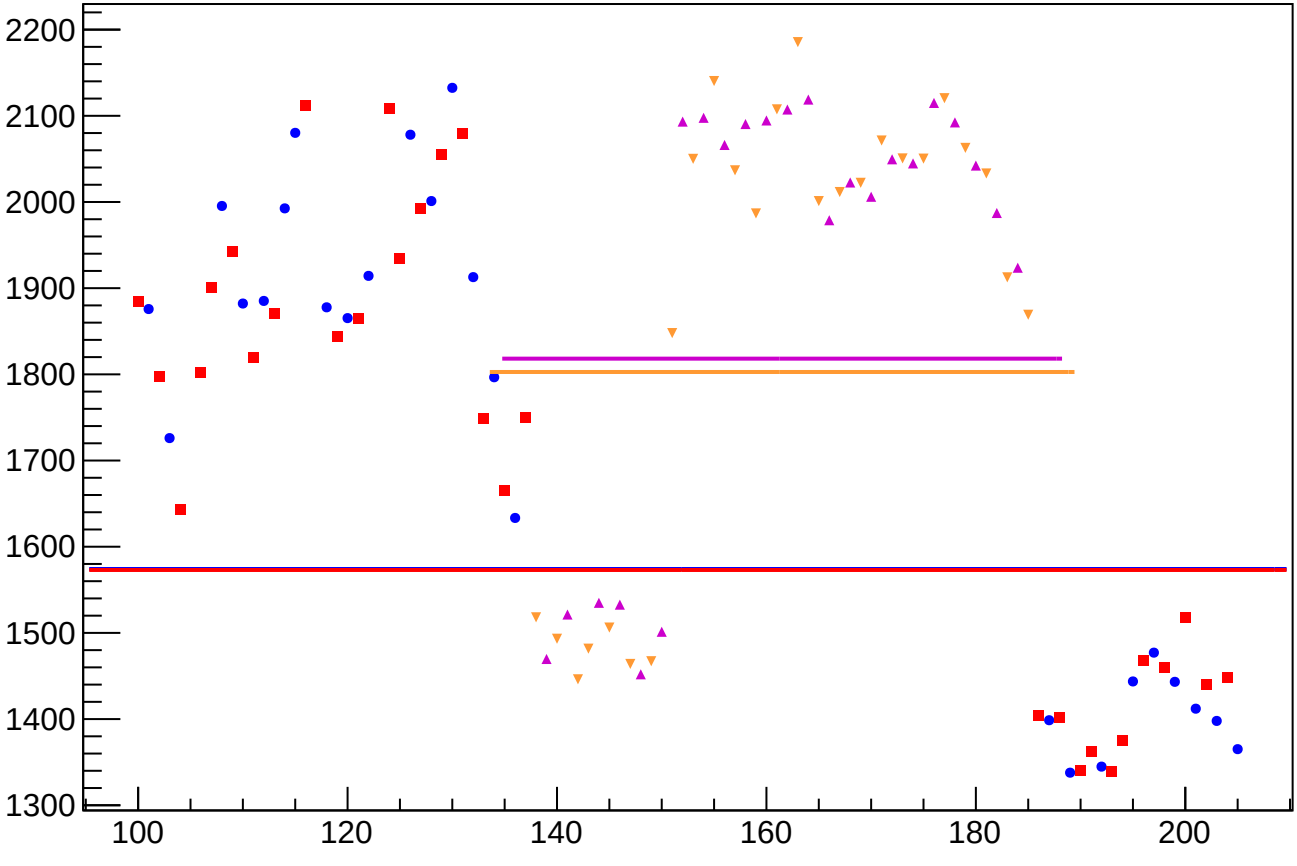
Right: -1.416+/-0.293 χ^2/NDF: 4955.4/54

In: 4.419+/-0.302 χ^2/NDF:2288.7/47

Out: -6.809+/-0.289 χ^2/NDF:3402.9/54

All: -1.433+/-0.209 χ^2/NDF: 6412.5/102

diff_bpm0i05Y_rms vs Slug, Sign Corrected



Right In: 1574.125+/-0.300 χ^2/NDF: 653781.4/24

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1573.019+/-0.286 χ^2/NDF: 612820.9/29

Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

Left: 1810.209+/-0.211 χ^2/NDF: 1739071.4/47

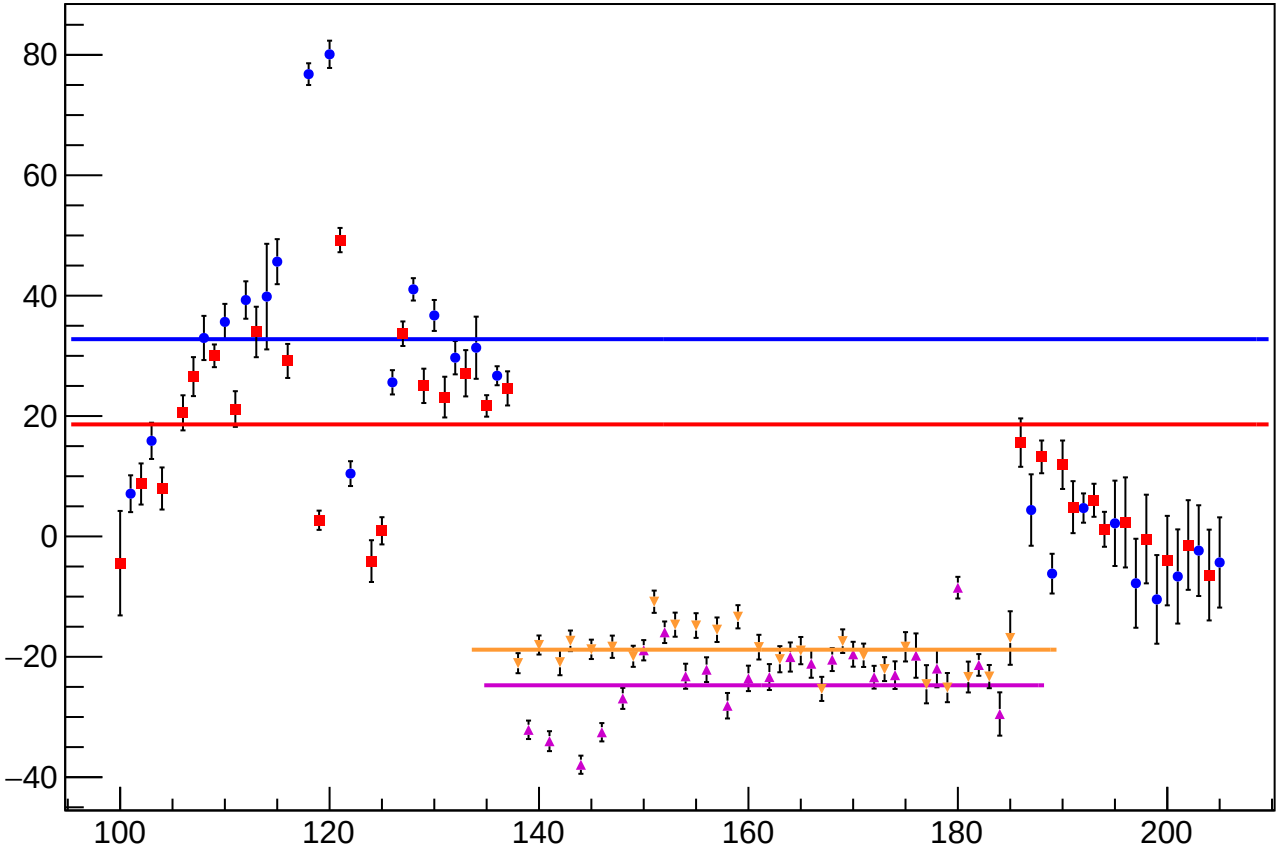
Right: 1573.545+/-0.207 χ^2/NDF: 1266609.5/54

In: 1694.587+/-0.213 χ^2/NDF:1820914.5/47

Out: 1684.926+/-0.205 χ^2/NDF:1825066.8/54

All: 1689.552+/-0.148 χ^2/NDF: 3647048.6/10

diff_bpm0i07X_mean vs Slug, Sign Corrected



Right In: 32.770+/-0.579 χ^2/NDF: 1767.2/24

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: 18.612+/-0.535 χ^2/NDF: 716.8/29

Left In: -24.731+/-0.409 χ^2/NDF:308.0/22

Left: -21.723+/-0.287 χ^2/NDF: 489.4/47

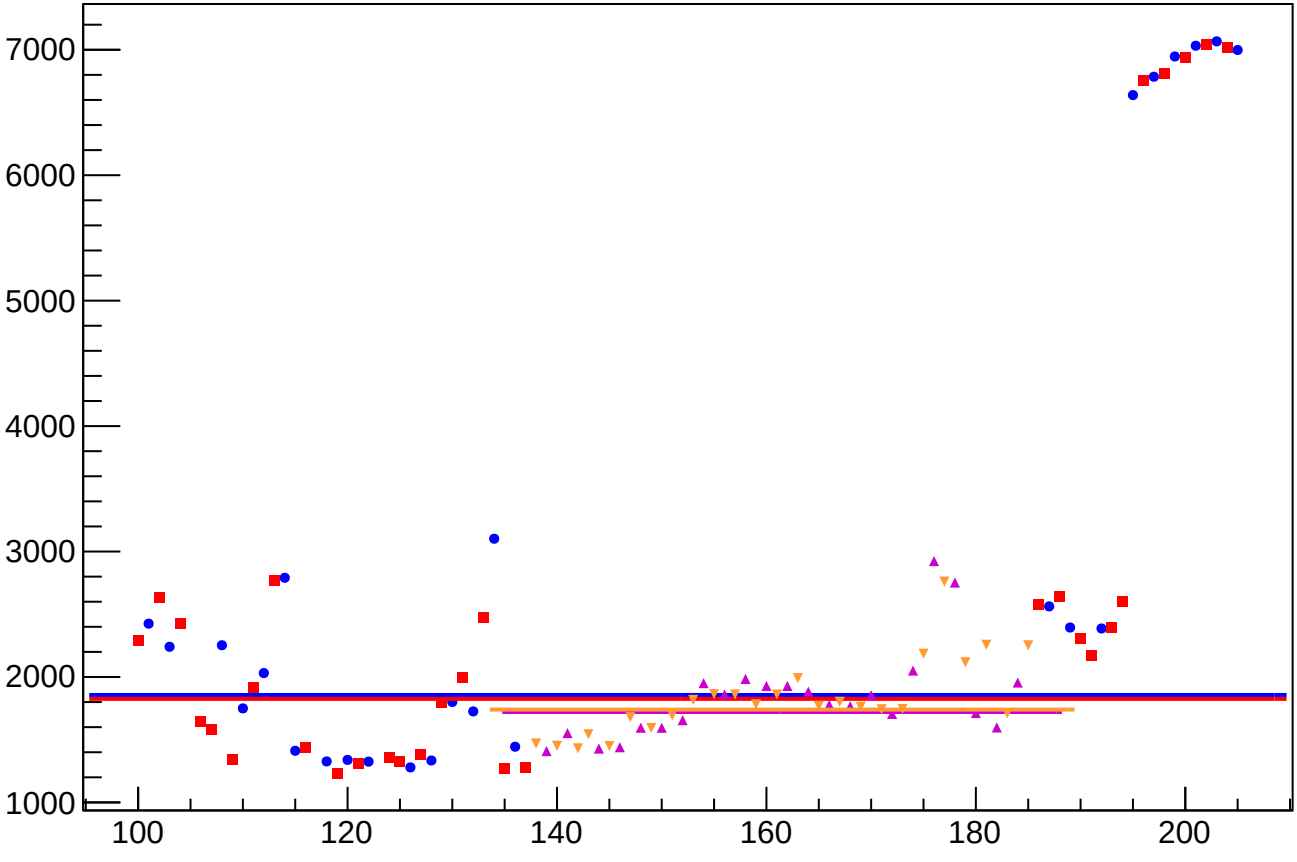
Right: 25.124+/-0.393 χ^2/NDF: 2806.5/54

In: -5.620+/-0.334 χ^2/NDF:8651.9/47

Out: -5.302+/-0.321 χ^2/NDF:3922.7/54

All: -5.455+/-0.232 χ^2/NDF: 12575.1/102

diff_bpm0i07X_rms vs Slug, Sign Corrected



Right In: 1856.486+/-0.410 χ^2/NDF: 6876364.7/24

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1825.432+/-0.378 χ^2/NDF: 6619707.6/29

Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

Left: 1730.639+/-0.203 χ^2/NDF: 1639617.2/47

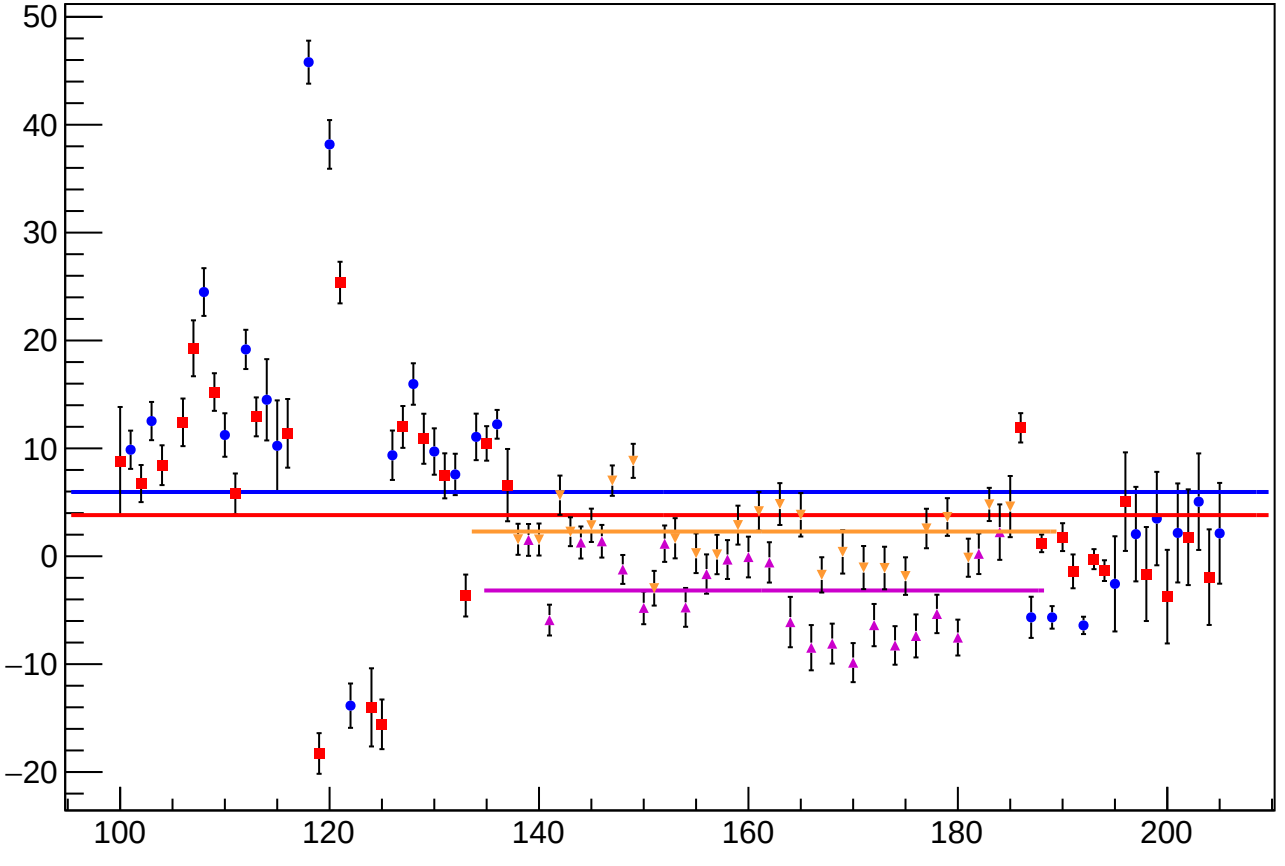
Right: 1839.715+/-0.278 χ^2/NDF: 13499175.5/54

In: 1765.940+/-0.236 χ^2/NDF:7833525.6/47

Out: 1770.904+/-0.227 χ^2/NDF:7405644.7/54

All: 1768.519+/-0.164 χ^2/NDF: 15239399.8/1

diff_bpm0i07Y_mean vs Slug, Sign Corrected



Right In: 5.957+/-0.379 χ^2/NDF: 1316.4/24

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: 3.815+/-0.319 χ^2/NDF: 670.5/29

Left In: -3.173+/-0.362 χ^2/NDF:110.4/22

Left: -0.293+/-0.249 χ^2/NDF: 303.7/47

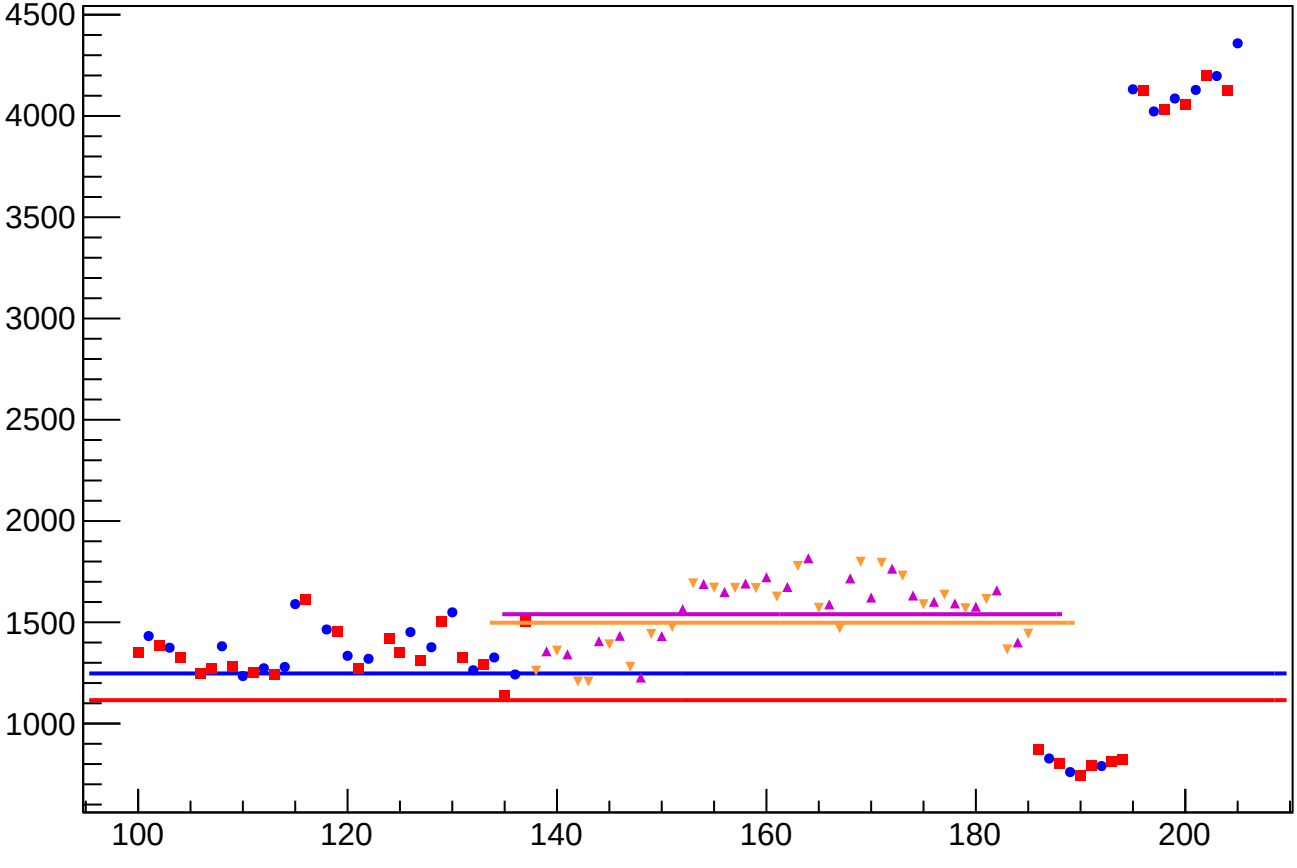
Right: 4.704+/-0.244 χ^2/NDF: 2005.5/54

In: 1.191+/-0.262 χ^2/NDF:1730.1/47

Out: 3.110+/-0.234 χ^2/NDF:754.5/54

All: 2.259+/-0.174 χ^2/NDF: 2514.4/102

diff_bpm0i07Y_rms vs Slug, Sign Corrected



Right In: 1247.370+/-0.268 χ^2/NDF: 6392478.1/24

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1115.405+/-0.226 χ^2/NDF: 6020429.3/29

Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

Left: 1517.667+/-0.176 χ^2/NDF: 963225.2/47

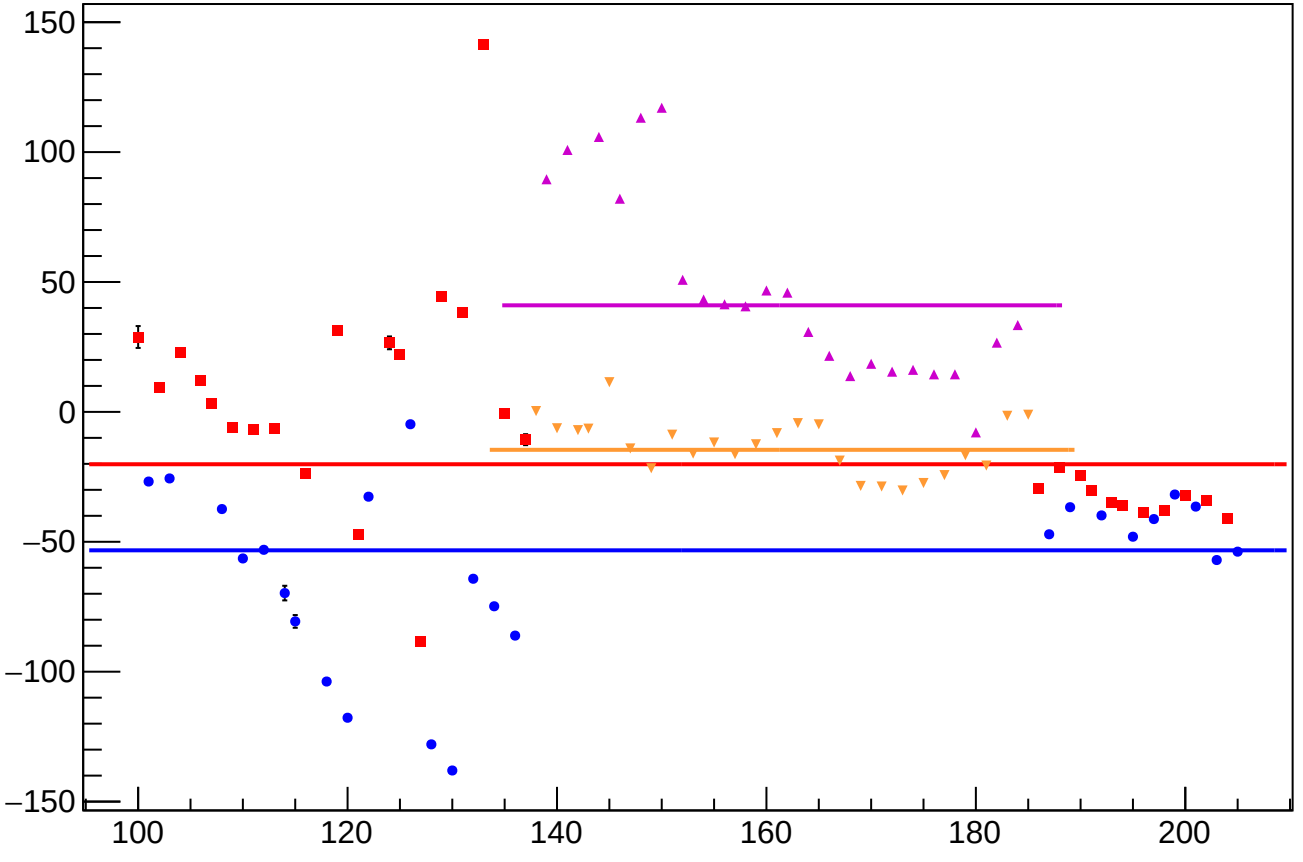
Right: 1170.174+/-0.173 χ^2/NDF: 12554924.0/54

In: 1400.068+/-0.185 χ^2/NDF:7395493.9/47

Out: 1292.477+/-0.165 χ^2/NDF:7919243.7/54

All: 1340.190+/-0.123 χ^2/NDF: 15502635.3/1

diff_bpm1i02X_mean vs Slug, Sign Corrected



Right In: -53.285+/-0.201 χ^2/NDF: 17757.4/24

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -20.151+/-0.190 χ^2/NDF: 30894.0/29

Left In: 41.021+/-0.190 χ^2/NDF:31066.6/22

Left: 12.192+/-0.132 χ^2/NDF: 78745.1/47

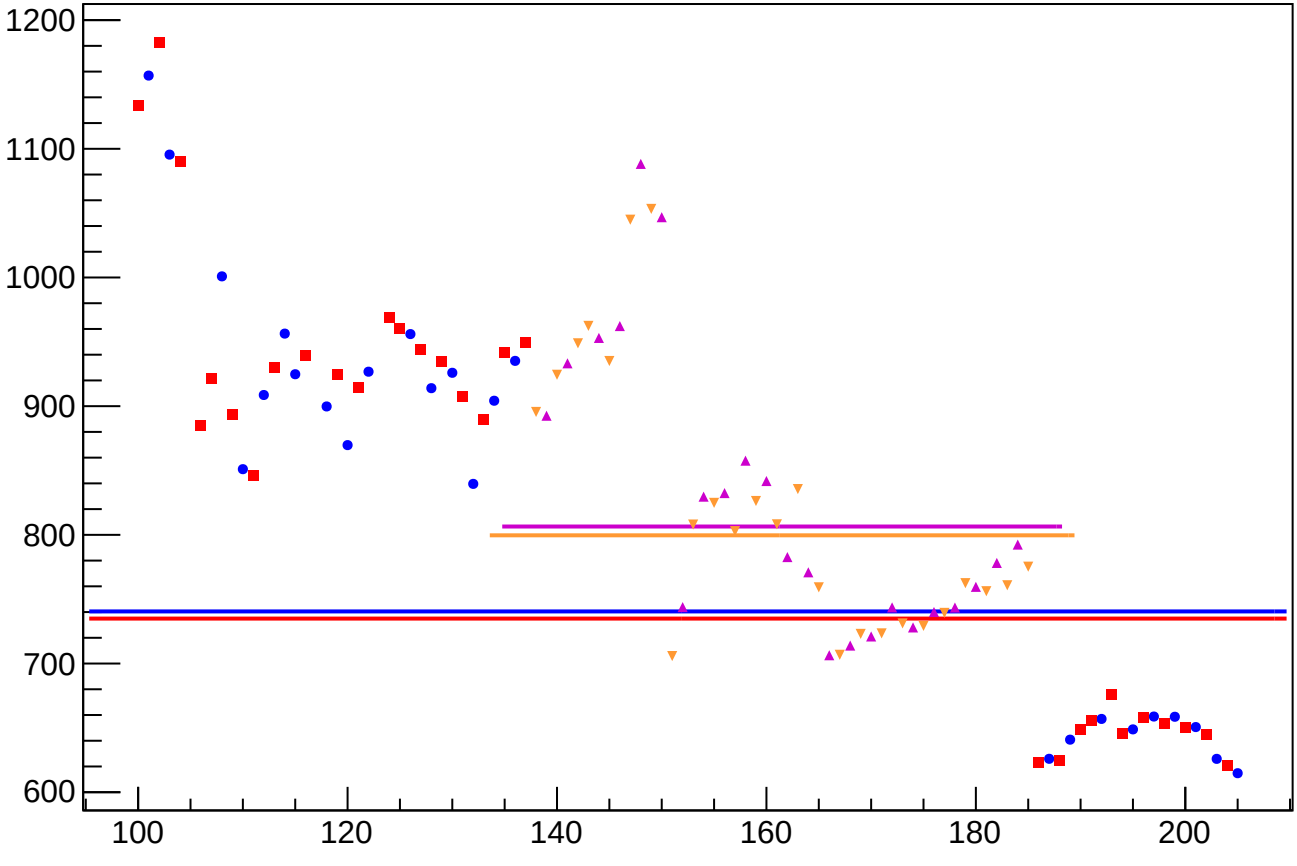
Right: -35.820+/-0.138 χ^2/NDF: 62982.3/54

In: -3.440+/-0.138 χ^2/NDF:165241.2/47

Out: -17.265+/-0.132 χ^2/NDF:34495.9/54

All: -10.663+/-0.095 χ^2/NDF: 204982.7/102

diff_bpm1i02X_rms vs Slug, Sign Corrected



Right In: 740.501+/-0.142 χ^2/NDF: 1058824.3/24

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

Right Out: 734.931+/-0.135 χ^2/NDF: 1144052.1/29

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

Left: 802.933+/-0.093 χ^2/NDF: 1010071.7/47

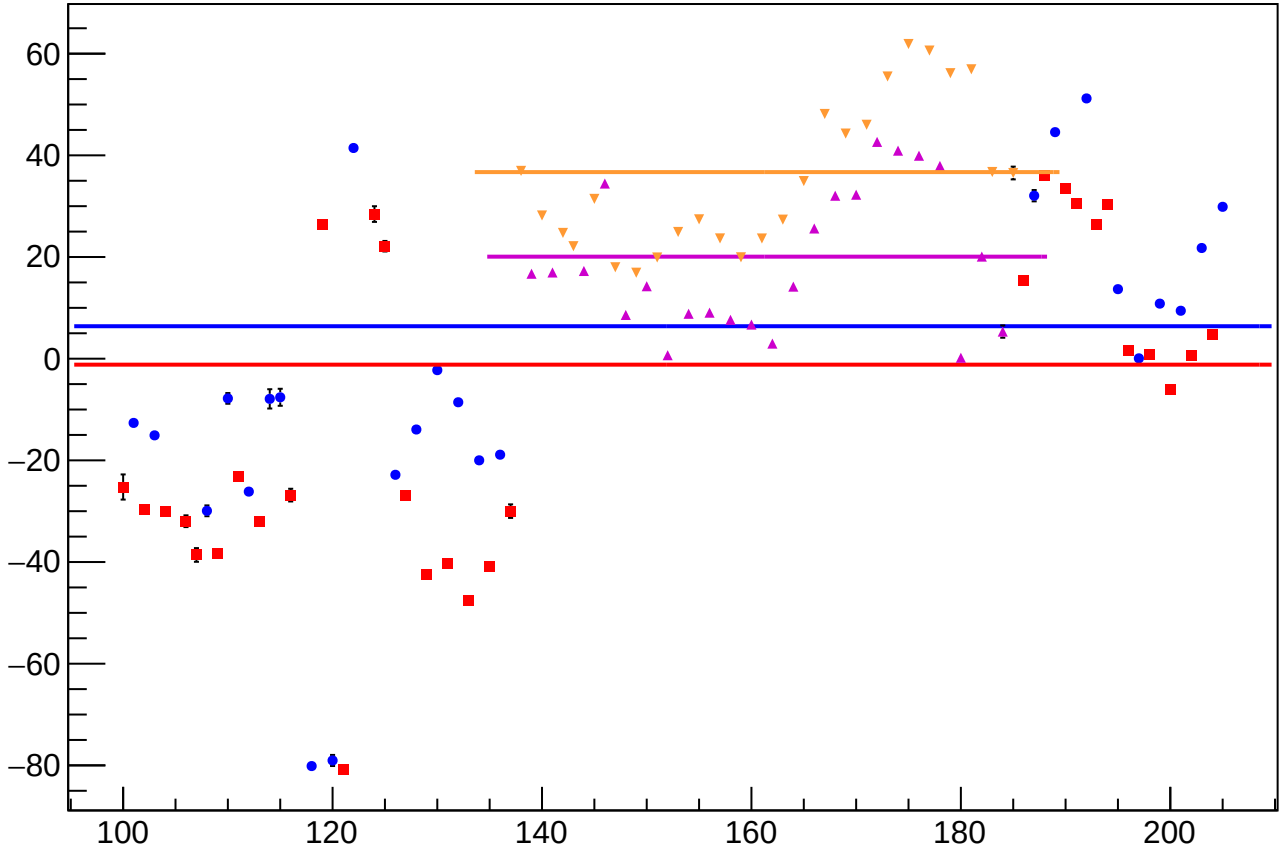
Right: 737.565+/-0.098 χ^2/NDF: 2203686.6/54

In: 775.373+/-0.098 χ^2/NDF:1684081.0/47

Out: 768.565+/-0.093 χ^2/NDF:1761640.1/54

All: 771.816+/-0.067 χ^2/NDF: 3448264.9/102

diff_bpm1i02Y_mean vs Slug, Sign Corrected



Right In: 6.385+/-0.146 χ^2/NDF: 41330.1/24

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: -1.175+/-0.138 χ^2/NDF: 43099.8/29

Left In: 20.069+/-0.151 χ^2/NDF:8560.6/22

Left: 28.712+/-0.105 χ^2/NDF: 25078.0/47

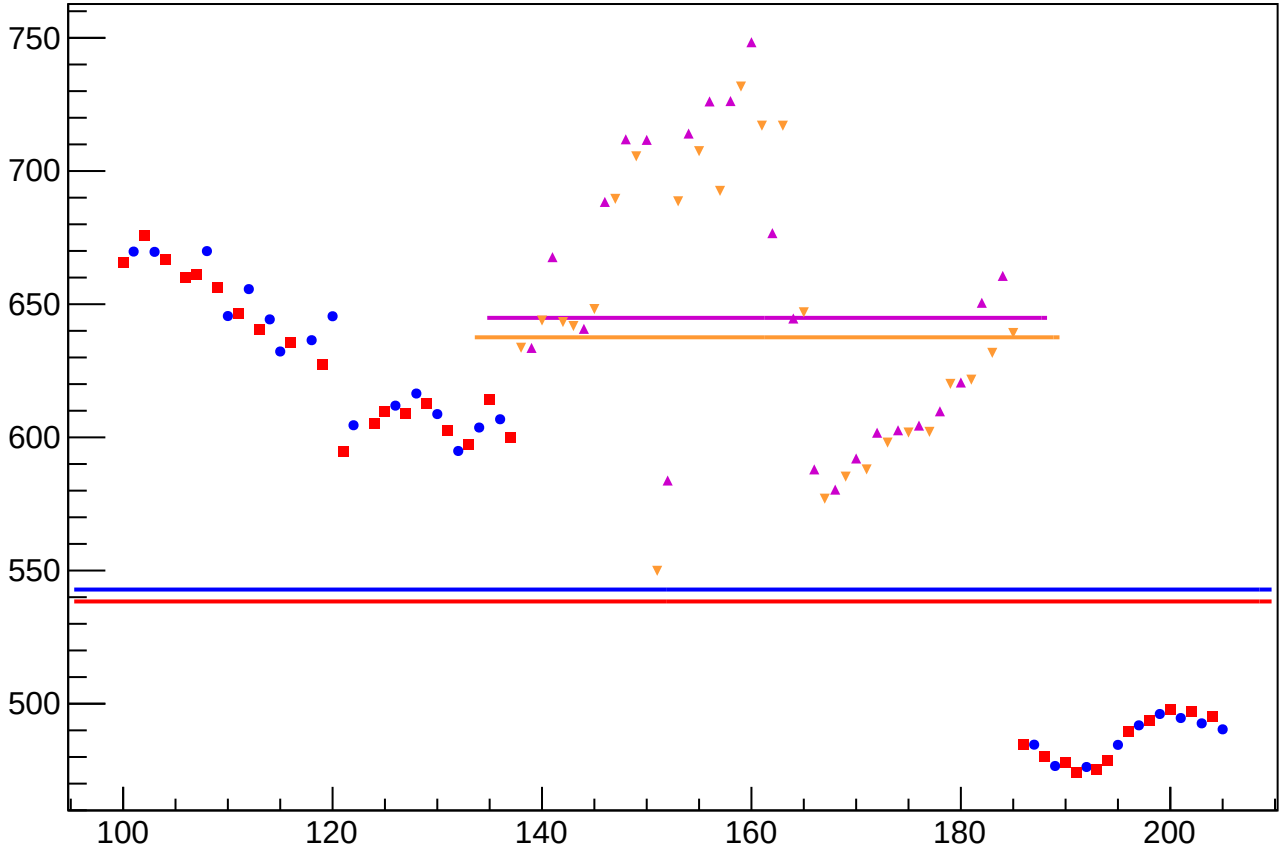
Right: 2.398+/-0.100 χ^2/NDF: 85849.1/54

In: 12.973+/-0.105 χ^2/NDF:54136.5/47

Out: 16.769+/-0.100 χ^2/NDF:89037.8/54

All: 14.960+/-0.072 χ^2/NDF: 143859.3/102

diff_bpm1i02Y_rms vs Slug, Sign Corrected



Right In: 542.868+/-0.103 χ^2/NDF: 477395.0/24

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 538.395+/-0.098 χ^2/NDF: 522530.4/29

Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

Left: 641.078+/-0.074 χ^2/NDF: 468523.1/47

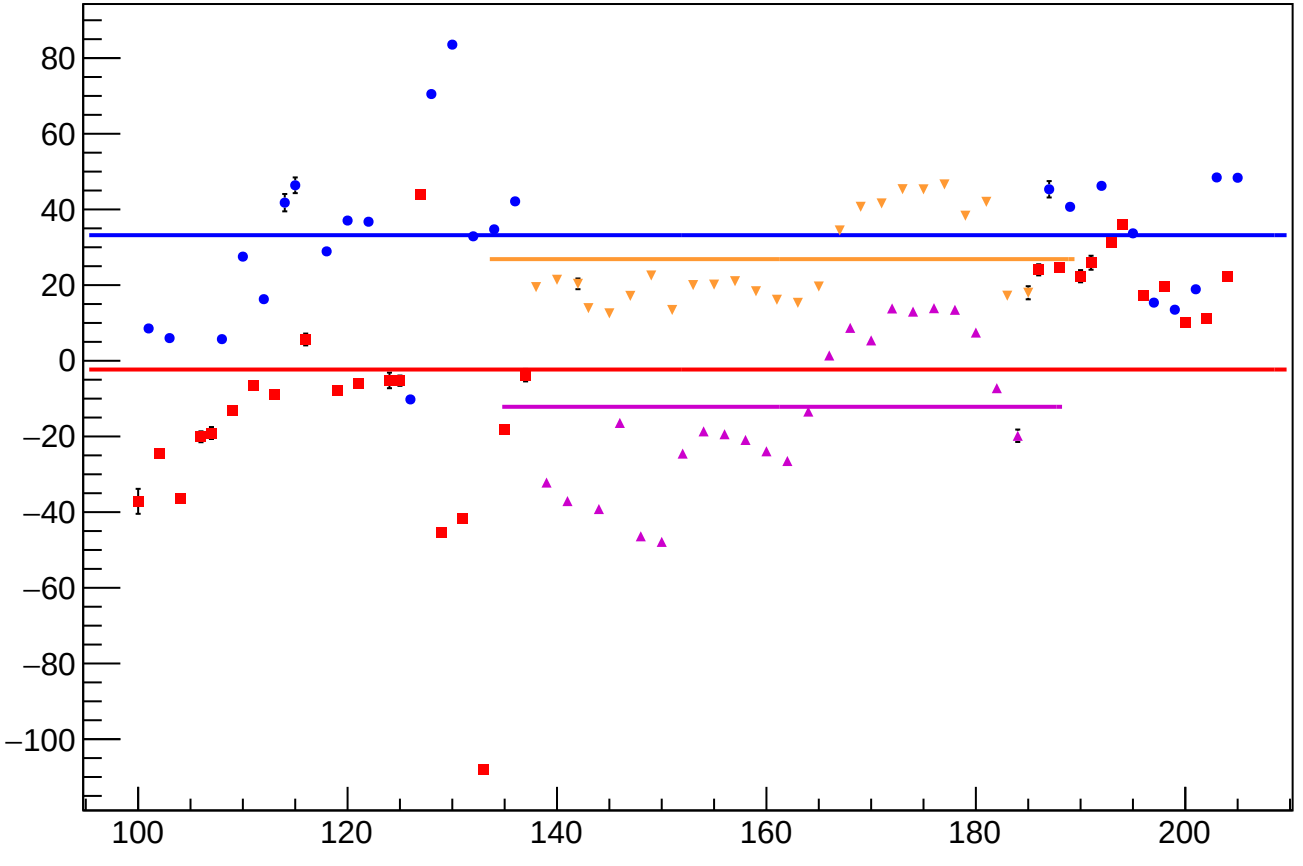
Right: 540.509+/-0.071 χ^2/NDF: 1000919.1/54

In: 591.978+/-0.074 χ^2/NDF:1178755.7/47

Out: 585.374+/-0.071 χ^2/NDF:1248589.0/54

All: 588.520+/-0.051 χ^2/NDF: 2431491.3/102

diff_bpm1i04X_mean vs Slug, Sign Corrected



Right In: 33.196+/-0.225 χ^2/NDF: 8296.0/24

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: -2.311+/-0.217 χ^2/NDF: 21680.3/29

Left In: -12.159+/-0.214 χ^2/NDF:8547.0/22

Left: 8.004+/-0.149 χ^2/NDF: 29170.3/47

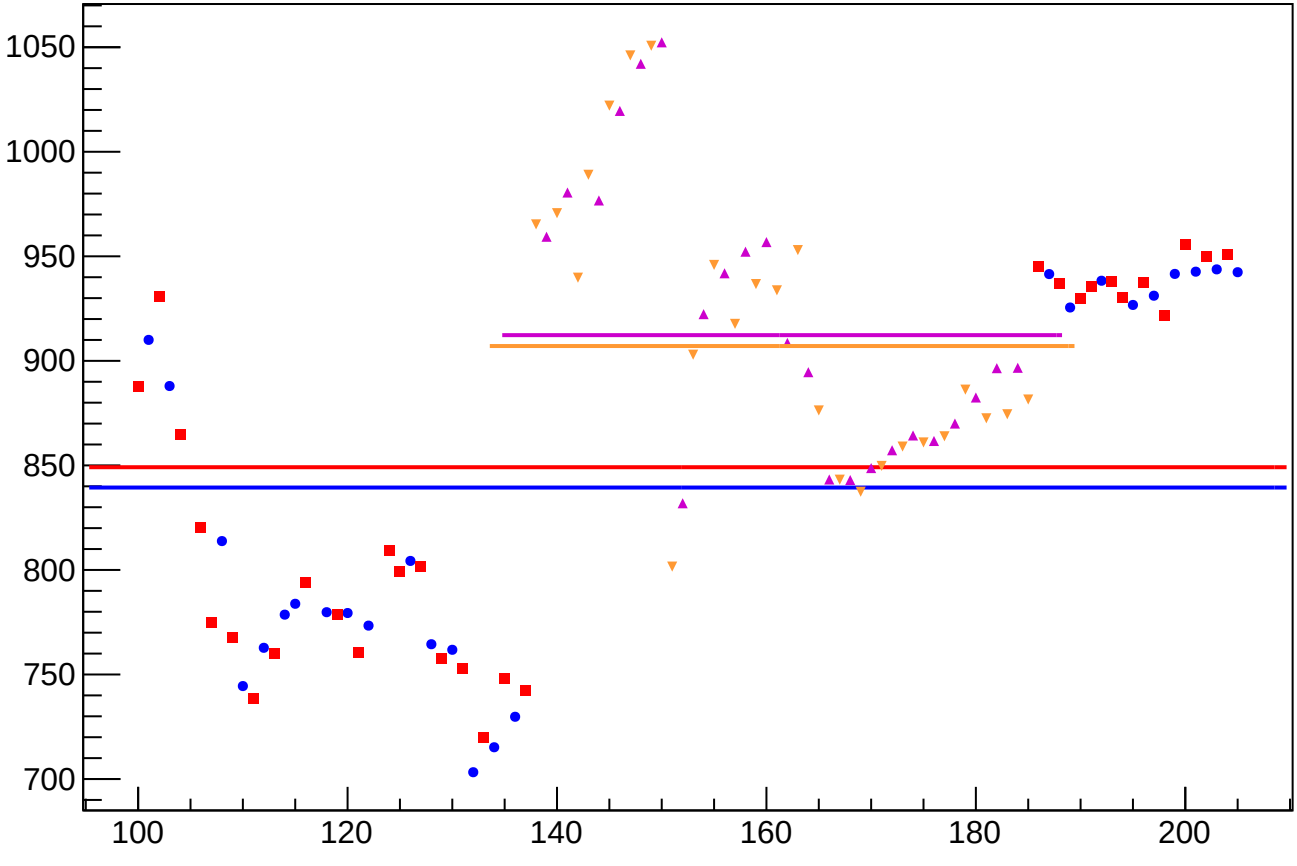
Right: 14.814+/-0.156 χ^2/NDF: 42898.1/54

In: 9.375+/-0.155 χ^2/NDF:38232.5/47

Out: 12.983+/-0.150 χ^2/NDF:34553.8/54

All: 11.241+/-0.108 χ^2/NDF: 73067.1/102

diff_bpm1i04X_rms vs Slug, Sign Corrected



Right In: 839.415+/-0.159 χ^2/NDF: 321993.8/24

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 849.132+/-0.153 χ^2/NDF: 323349.5/29

Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

Left: 909.608+/-0.105 χ^2/NDF: 369936.7/47

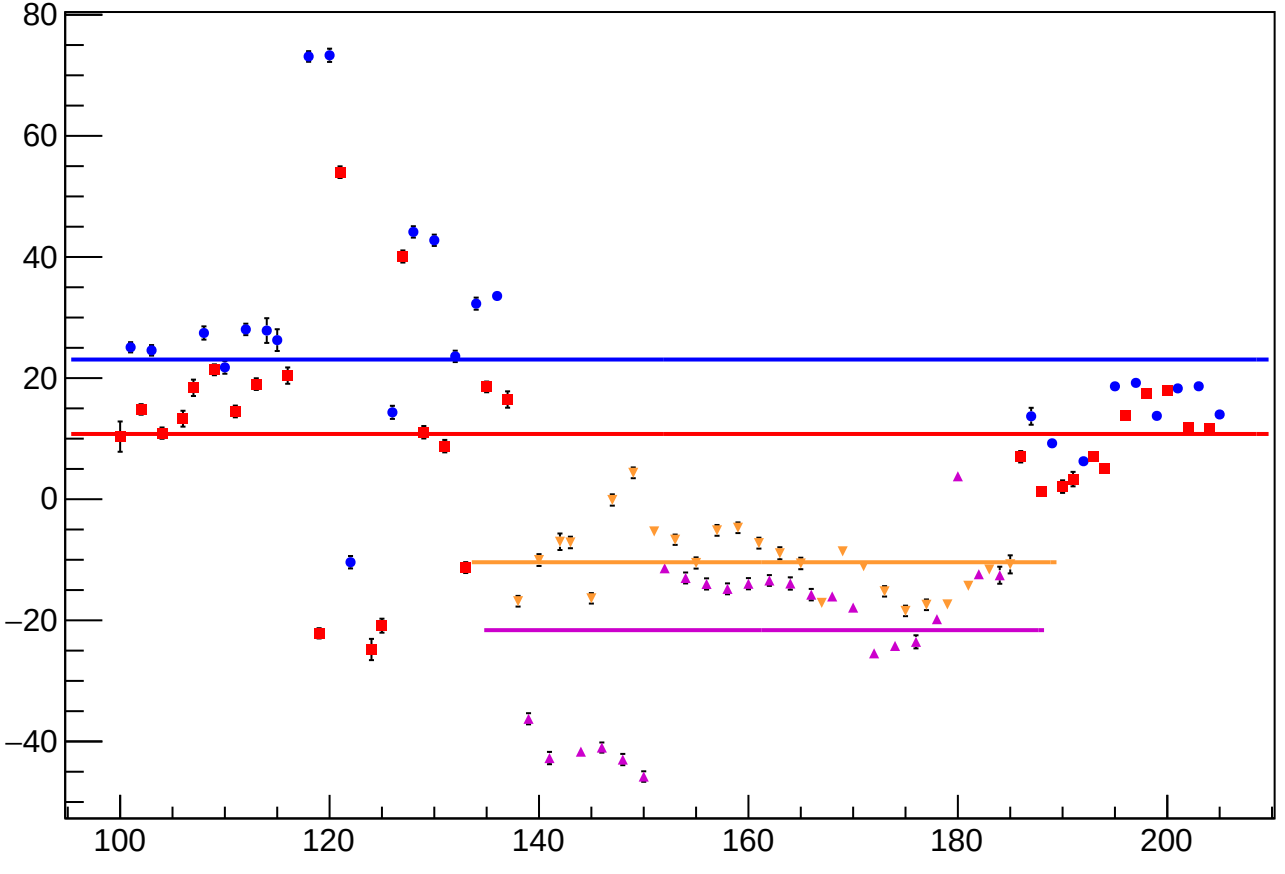
Right: 844.446+/-0.110 χ^2/NDF: 647278.7/54

In: 877.695+/-0.110 χ^2/NDF:607184.7/47

Out: 879.512+/-0.106 χ^2/NDF:592792.8/54

All: 878.635+/-0.076 χ^2/NDF: 1200119.9/102

diff_bpm1i04Y_mean vs Slug, Sign Corrected



Right In: 23.067+/-0.164 χ^2/NDF: 9613.5/24

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: 10.775+/-0.160 χ^2/NDF: 7303.2/29

Left In: -21.621+/-0.182 χ^2/NDF:5241.8/22

Left: -15.828+/-0.126 χ^2/NDF: 8246.4/47

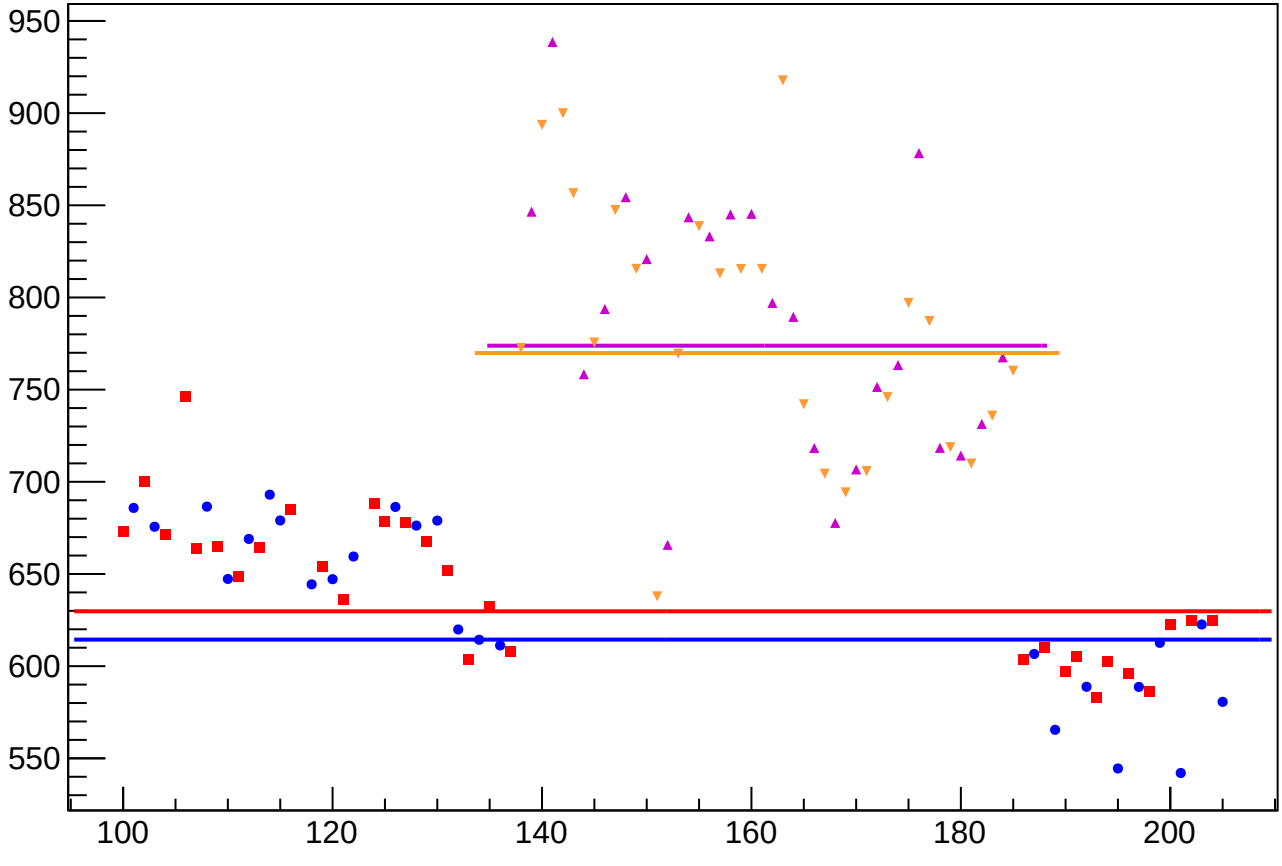
Right: 16.767+/-0.115 χ^2/NDF: 19778.6/54

In: 2.967+/-0.122 χ^2/NDF:48051.1/47

Out: 1.162+/-0.119 χ^2/NDF:16255.2/54

All: 2.039+/-0.085 χ^2/NDF: 64418.9/102

diff_bpm1i04Y_rms vs Slug, Sign Corrected



Right In: 614.403+/-0.116 χ^2/NDF: 159338.7/24

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 629.766+/-0.113 χ^2/NDF: 97503.2/29

Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

Left: 771.781+/-0.089 χ^2/NDF: 587867.8/47

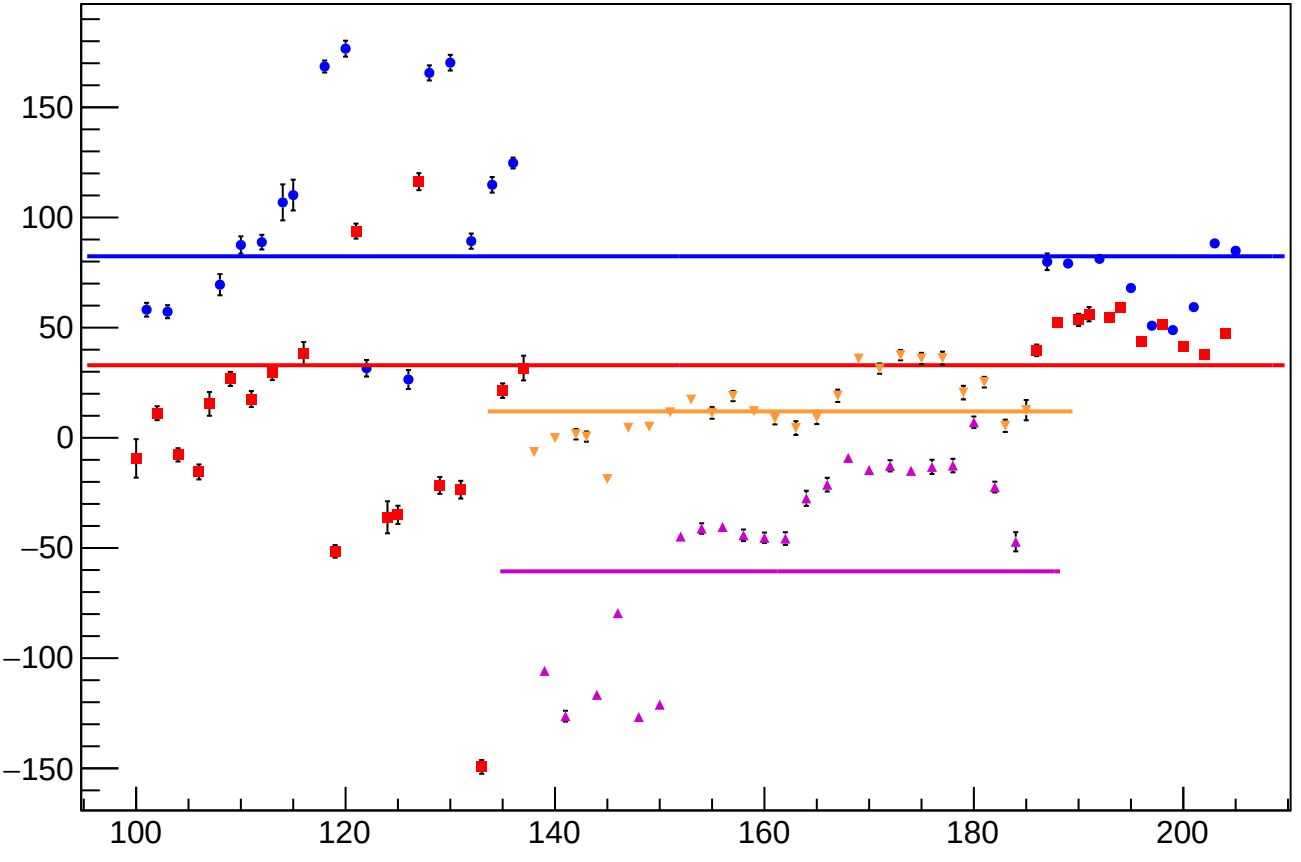
Right: 622.276+/-0.081 χ^2/NDF: 265781.6/54

In: 686.117+/-0.086 χ^2/NDF:1287332.4/47

Out: 693.341+/-0.084 χ^2/NDF:1094024.2/54

All: 689.832+/-0.060 χ^2/NDF: 2384962.9/102

diff_bpm1i06X_mean vs Slug, Sign Corrected



Right In: 82.383+/-0.506 χ^2/NDF: 4683.9/24

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 32.941+/-0.489 χ^2/NDF: 7162.0/29

Left In: -60.598+/-0.481 χ^2/NDF:8638.1/22

Left: -23.591+/-0.337 χ^2/NDF: 21200.1/47

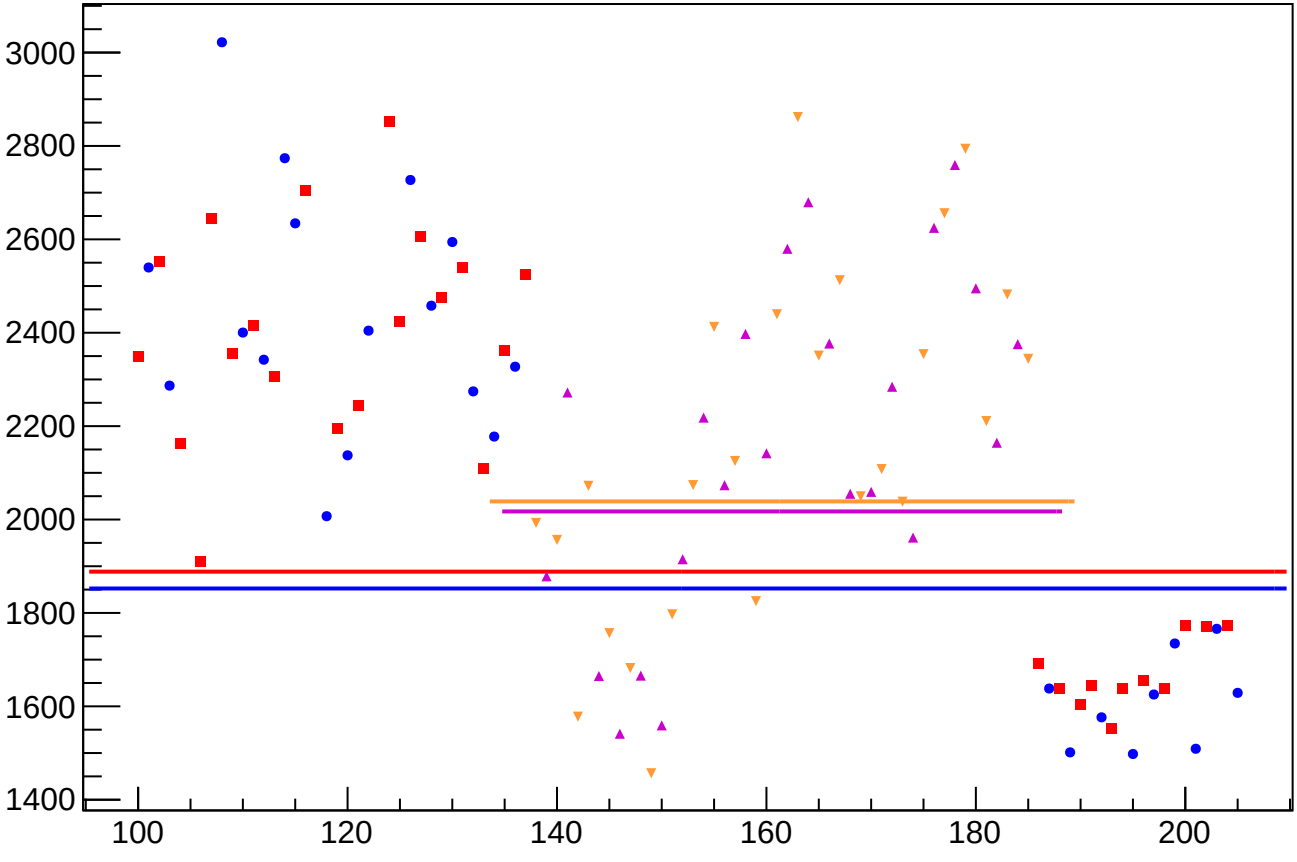
Right: 56.801+/-0.352 χ^2/NDF: 16779.8/54

In: 7.215+/-0.349 χ^2/NDF:55246.4/47

Out: 22.085+/-0.339 χ^2/NDF:9060.4/54

All: 14.850+/-0.243 χ^2/NDF: 65240.6/102

diff_bpm1i06X_rms vs Slug, Sign Corrected



Right In: 1852.337+/-0.358 χ^2/NDF: 1179419.6/24

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1888.411+/-0.346 χ^2/NDF: 967890.0/29

Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

Left: 2028.267+/-0.238 χ^2/NDF: 2175591.3/47

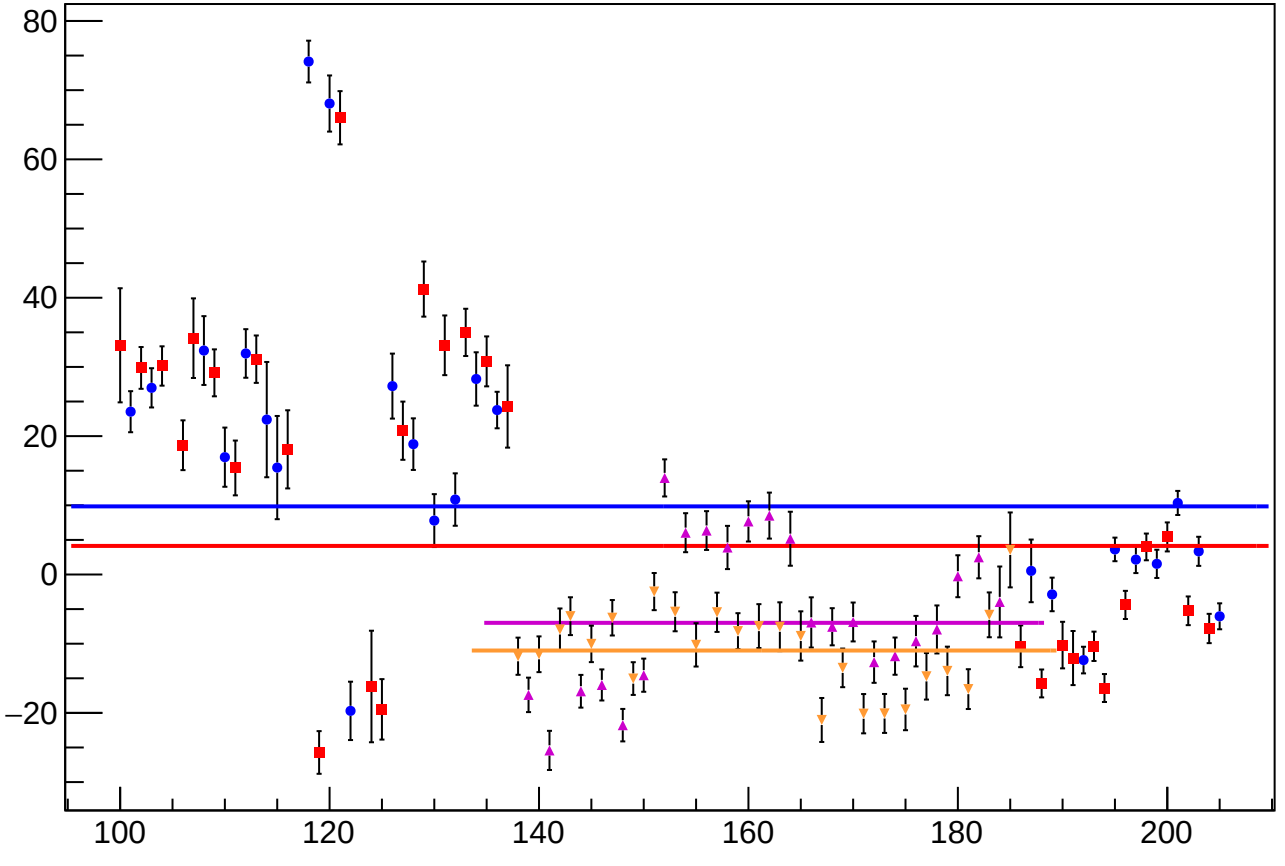
Right: 1871.003+/-0.249 χ^2/NDF: 2152562.6/54

In: 1939.076+/-0.247 χ^2/NDF:2341113.2/47

Out: 1966.325+/-0.240 χ^2/NDF:2189412.1/54

All: 1953.068+/-0.172 χ^2/NDF: 4536796.7/10

diff_bpm1i06Y_mean vs Slug, Sign Corrected



Right In: 9.846+/-0.549 χ^2/NDF: 1194.5/24

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: 4.132+/-0.543 χ^2/NDF: 1402.3/29

Left In: -6.985+/-0.598 χ^2/NDF:339.5/22

Left: -9.027+/-0.419 χ^2/NDF: 449.9/47

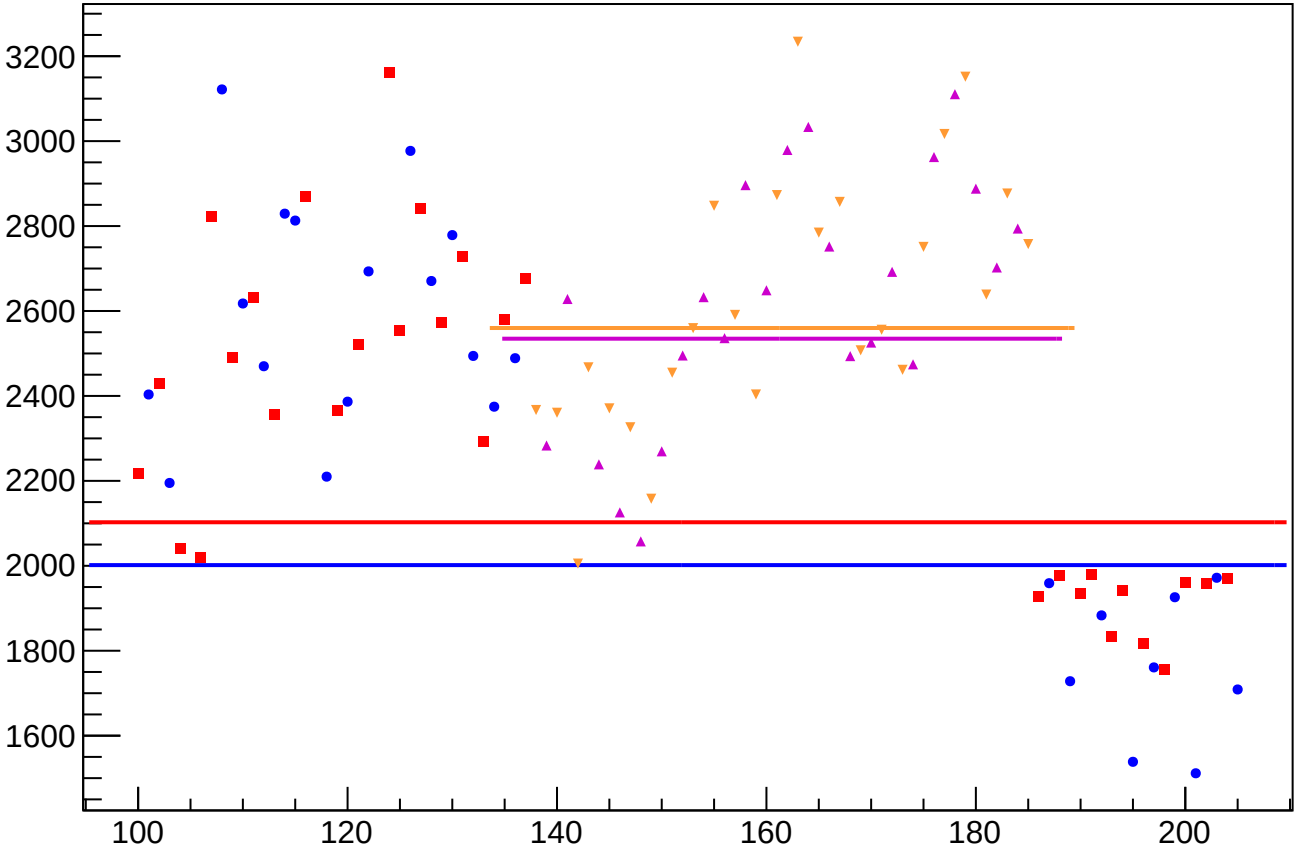
Right: 6.954+/-0.386 χ^2/NDF: 2651.7/54

In: 2.153+/-0.405 χ^2/NDF:1963.4/47

Out: -2.847+/-0.398 χ^2/NDF:1848.3/54

All: -0.388+/-0.284 χ^2/NDF: 3889.3/102

diff_bpm1i06Y_rms vs Slug, Sign Corrected



Right In: 2001.636+/-0.388 χ^2/NDF: 1125130.7/24

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 2102.524+/-0.384 χ^2/NDF: 649119.3/29

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

Left: 2547.623+/-0.296 χ^2/NDF: 915614.3/47

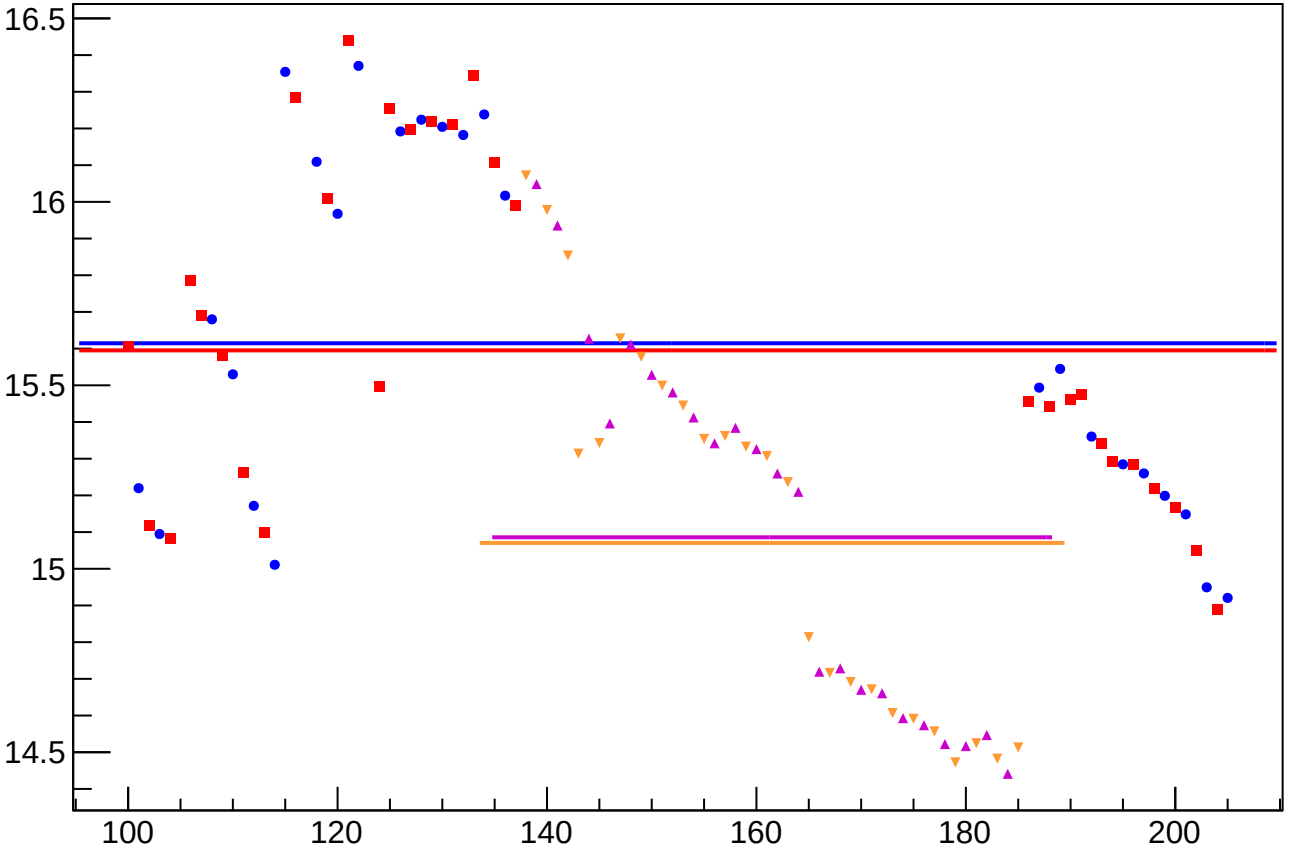
Right: 2052.691+/-0.273 χ^2/NDF: 1808412.5/54

In: 2245.333+/-0.286 χ^2/NDF:2450479.7/47

Out: 2313.671+/-0.281 χ^2/NDF:1755594.4/54

All: 2280.059+/-0.201 χ^2/NDF: 4235065.6/10

yield_sam1_mean vs Slug, Sign Corrected



Right In: 15.615+/-0.000 χ^2/NDF: 16951990864.6/24

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.595+/-0.000 χ^2/NDF: 15785620885.6/29

Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

Left: 15.078+/-0.000 χ^2/NDF: 83242630627.9/47

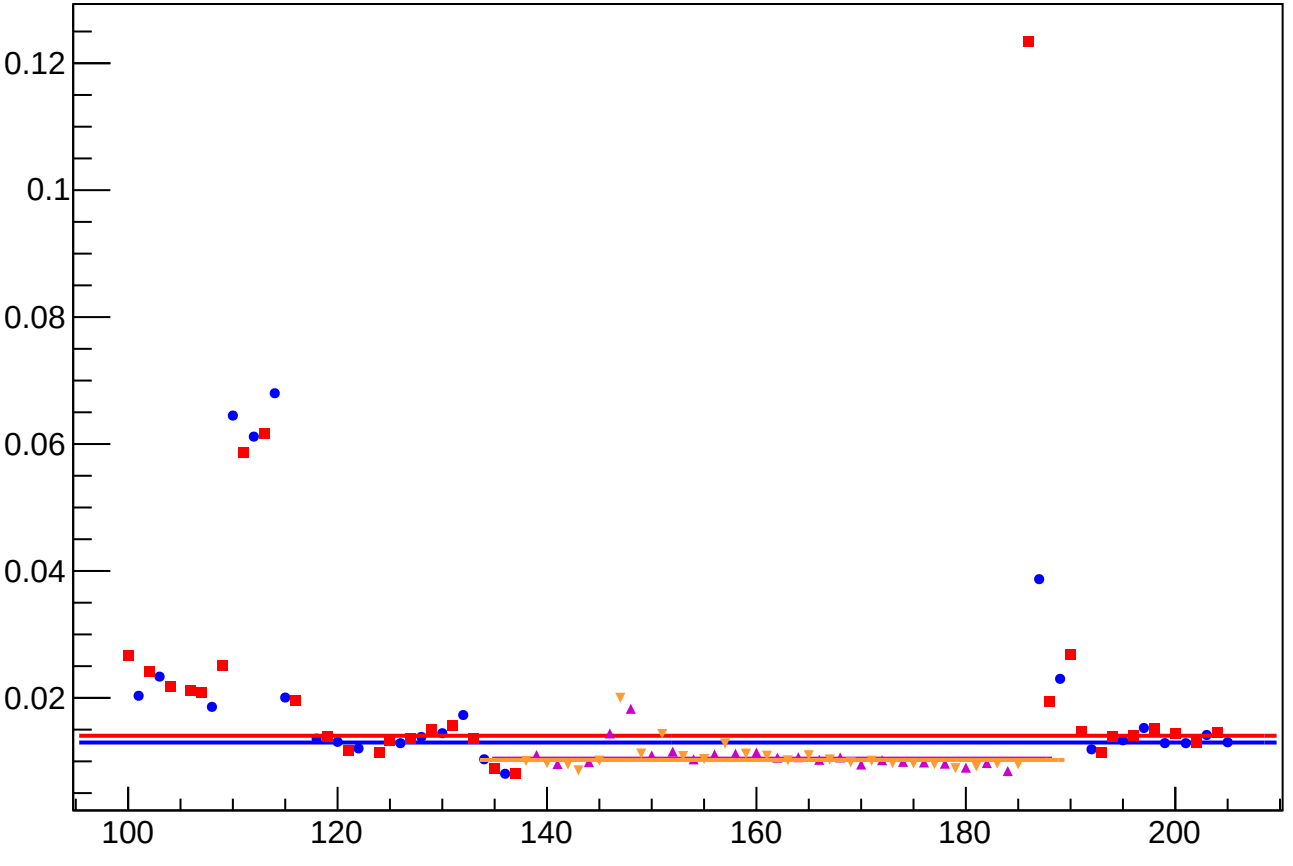
Right: 15.605+/-0.000 χ^2/NDF: 32750361685.7/54

In: 15.250+/-0.000 χ^2/NDF:70132962867.5/47

Out: 15.214+/-0.000 χ^2/NDF:72630167634.0/54

All: 15.232+/-0.000 χ^2/NDF: 142908040218.

yield_sam1_rms vs Slug, Sign Corrected



Right In: 0.013+/-0.000 χ^2/NDF: 2750845.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

Right Out: 0.014+/-0.000 χ^2/NDF: 3245867.5/29

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

Left: 0.010+/-0.000 χ^2/NDF: 1365448.4/47

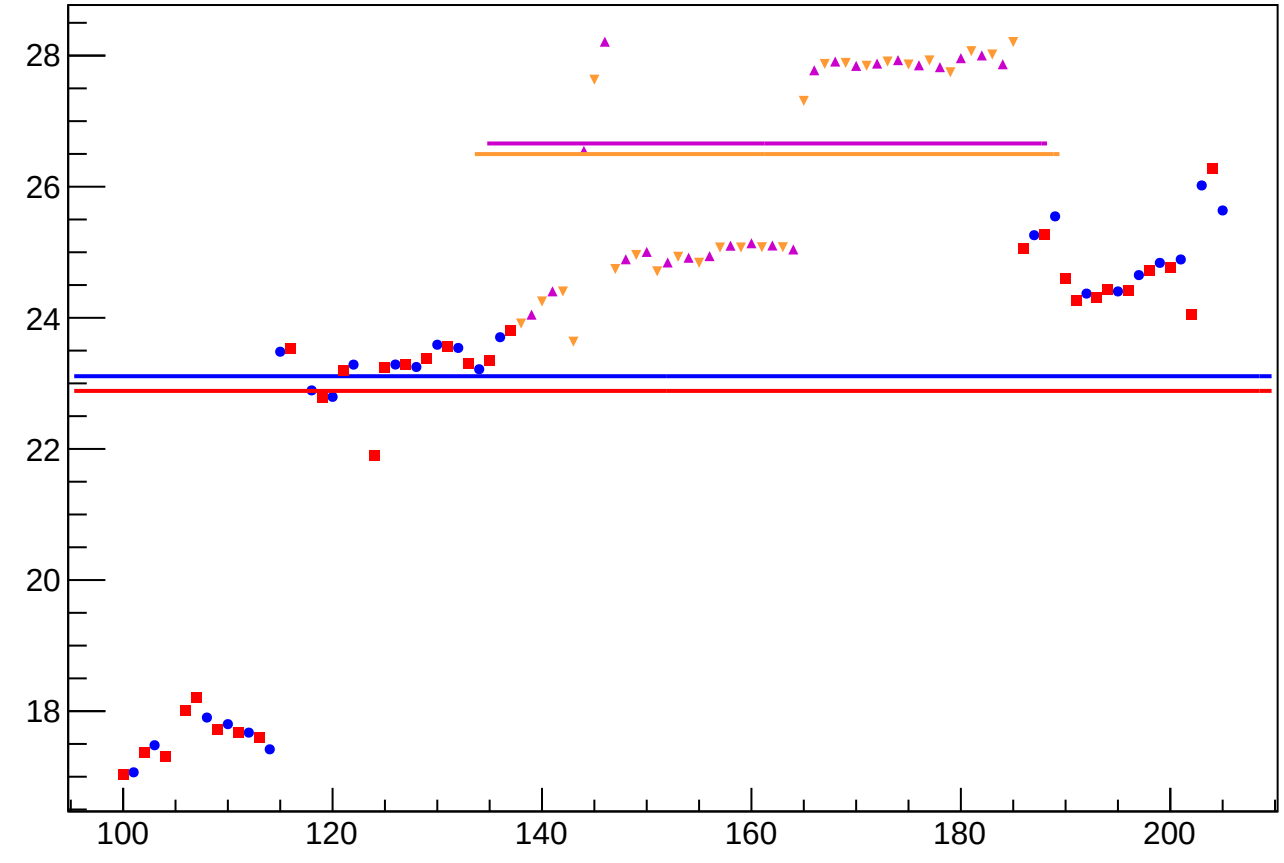
Right: 0.013+/-0.000 χ^2/NDF: 6074047.2/54

In: 0.011+/-0.000 χ^2/NDF:3979756.6/47

Out: 0.011+/-0.000 χ^2/NDF:5394571.7/54

All: 0.011+/-0.000 χ^2/NDF: 9374885.5/102

yield_sam2_mean vs Slug, Sign Corrected



Right In: 23.109+/-0.000 χ^2/NDF: 1551182926.4/24

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.885+/-0.000 χ^2/NDF: 1618907323.9/29

Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

Left: 26.575+/-0.000 χ^2/NDF: 6814787304.8/47

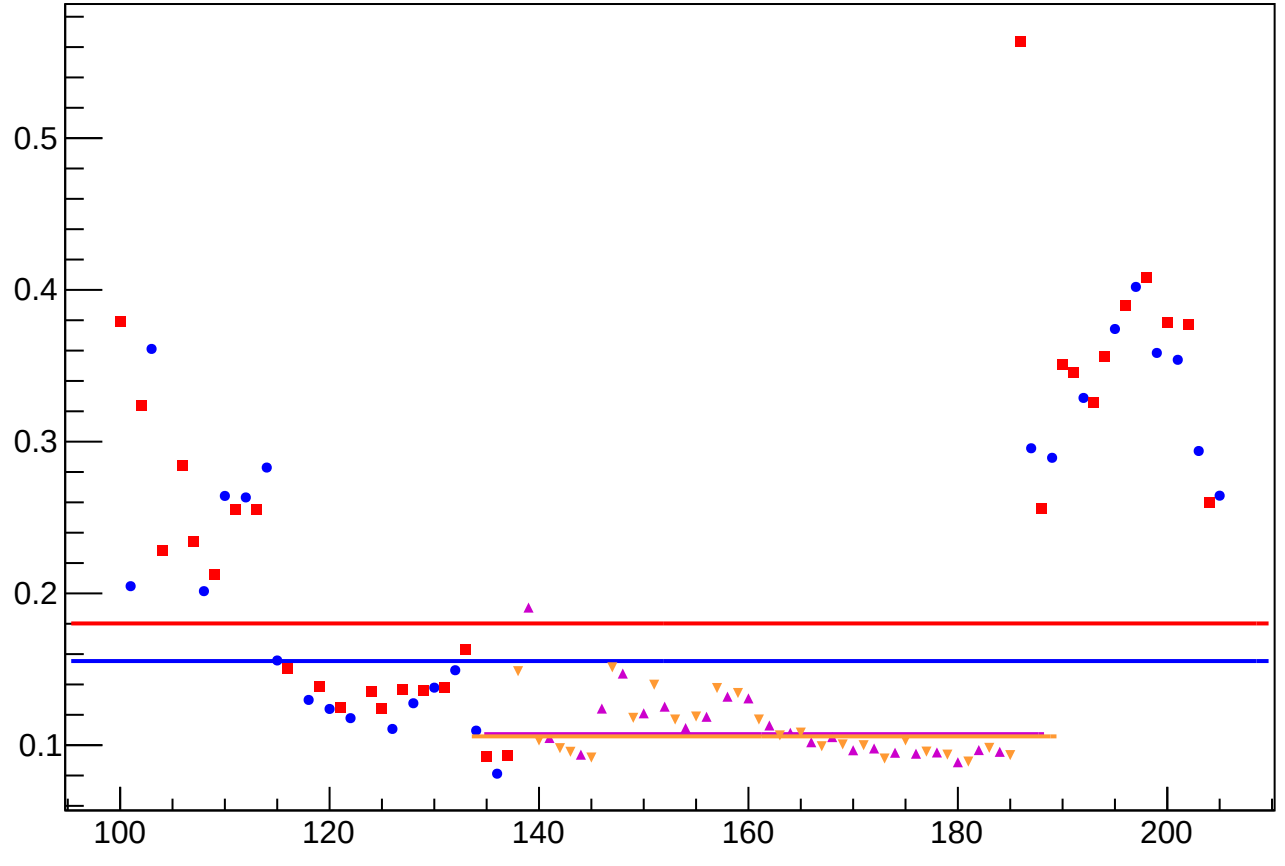
Right: 23.006+/-0.000 χ^2/NDF: 3179526266.7/54

In: 25.842+/-0.000 χ^2/NDF:8384658839.2/47

Out: 25.810+/-0.000 χ^2/NDF:9213066311.7/54

All: 25.826+/-0.000 χ^2/NDF: 17598672270.3

yield_sam2_rms vs Slug, Sign Corrected



Right In: 0.155+/-0.000 χ^2/NDF: 6149726.2/24

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.180+/-0.000 χ^2/NDF: 5970155.2/29

Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

Left: 0.106+/-0.000 χ^2/NDF: 1618736.7/47

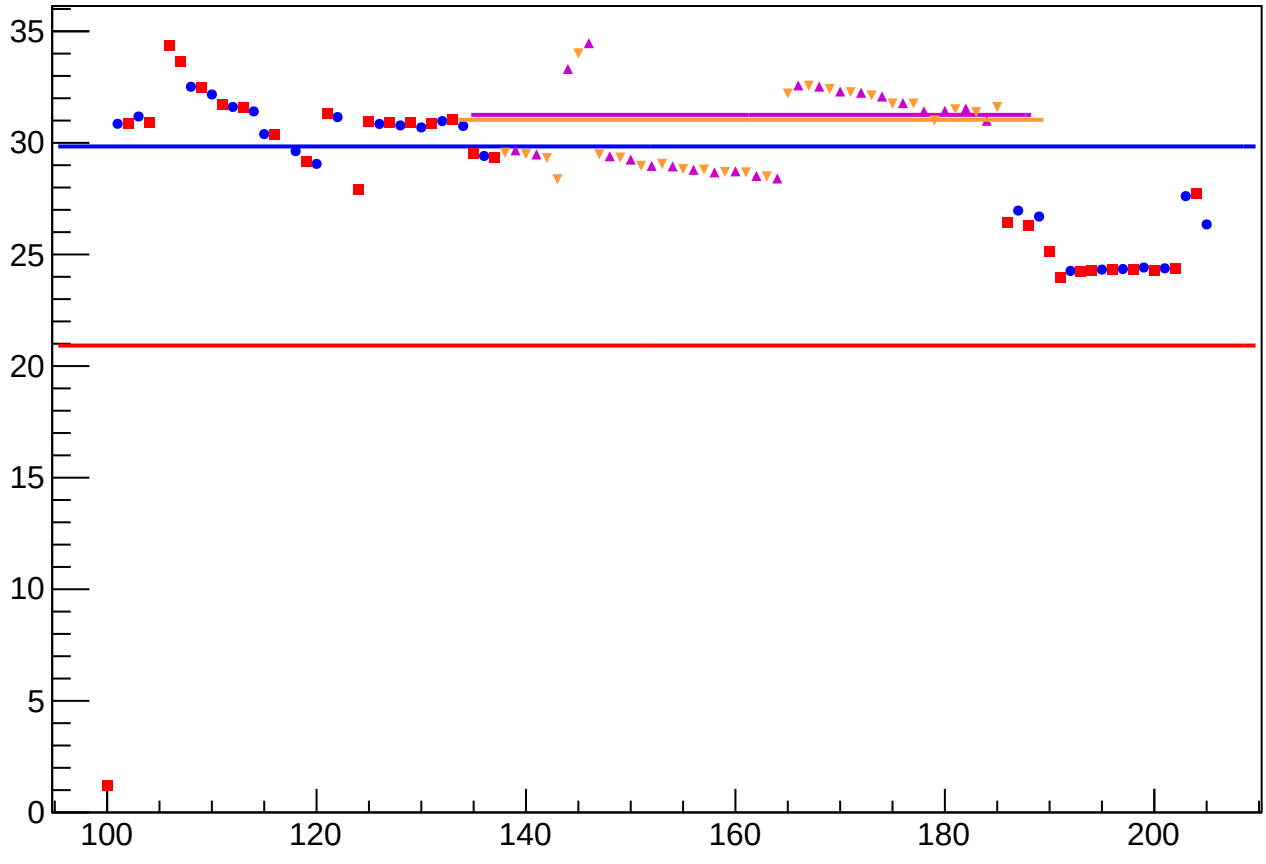
Right: 0.167+/-0.000 χ^2/NDF: 12350518.8/54

In: 0.118+/-0.000 χ^2/NDF:8461567.8/47

Out: 0.120+/-0.000 χ^2/NDF:9853699.5/54

All: 0.119+/-0.000 χ^2/NDF: 18319903.5/102

yield_sam3_mean vs Slug, Sign Corrected



Right In: 29.840+/-0.000 χ^2/NDF: 3714303373.3/24

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.919+/-0.000 χ^2/NDF: 225630050639.9/29

Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

Left: 31.143+/-0.000 χ^2/NDF: 24589664395.0/47

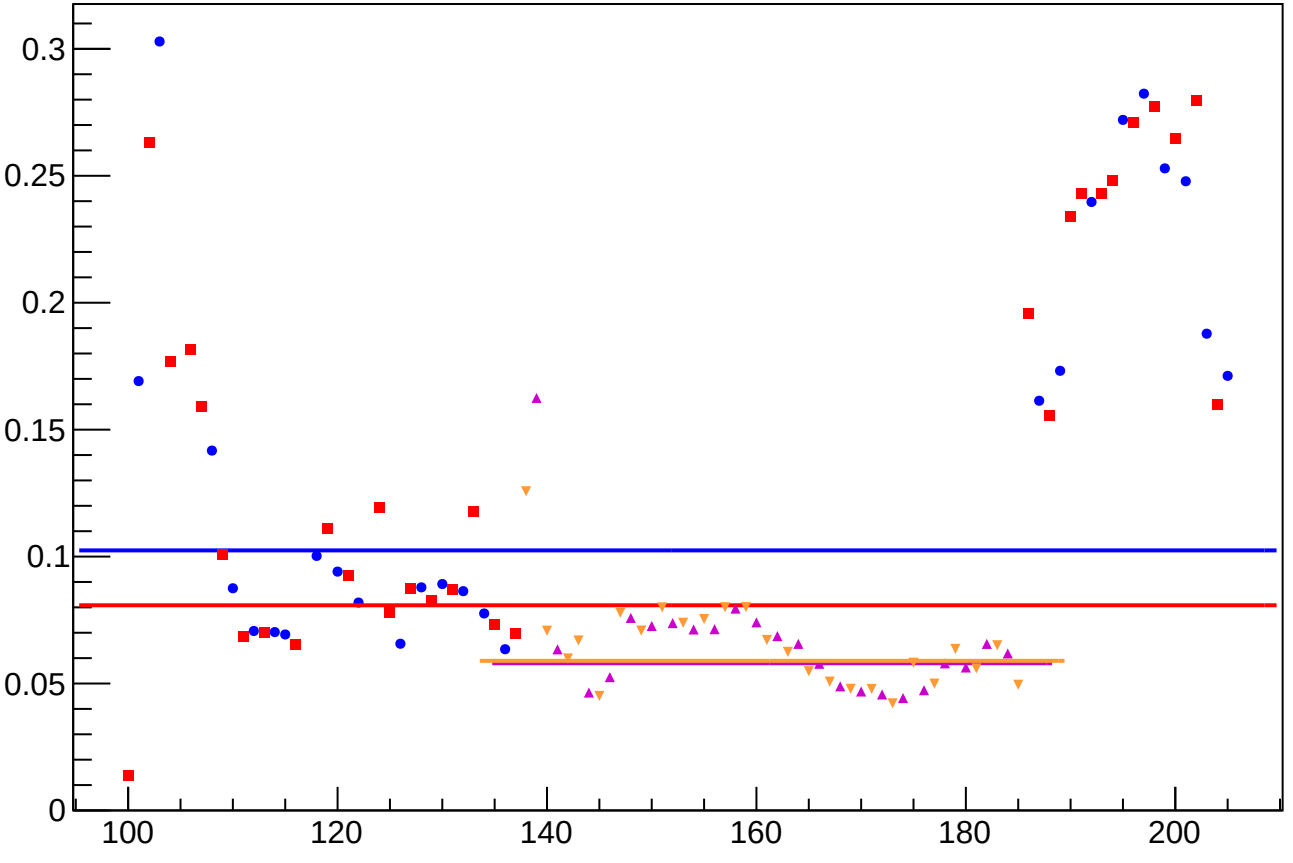
Right: 24.684+/-0.000 χ^2/NDF: 271327178759.6/54

In: 30.999+/-0.000 χ^2/NDF:17802192976.0/47

Out: 28.749+/-0.000 χ^2/NDF:336545392883.5/54

All: 29.822+/-0.000 χ^2/NDF: 367696062621.

yield_sam3_rms vs Slug, Sign Corrected



Right In: 0.102+/-0.000 χ^2/NDF: 5796238.4/24

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.081+/-0.000 χ^2/NDF: 11264090.5/29

Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

Left: 0.058+/-0.000 χ^2/NDF: 3257018.5/47

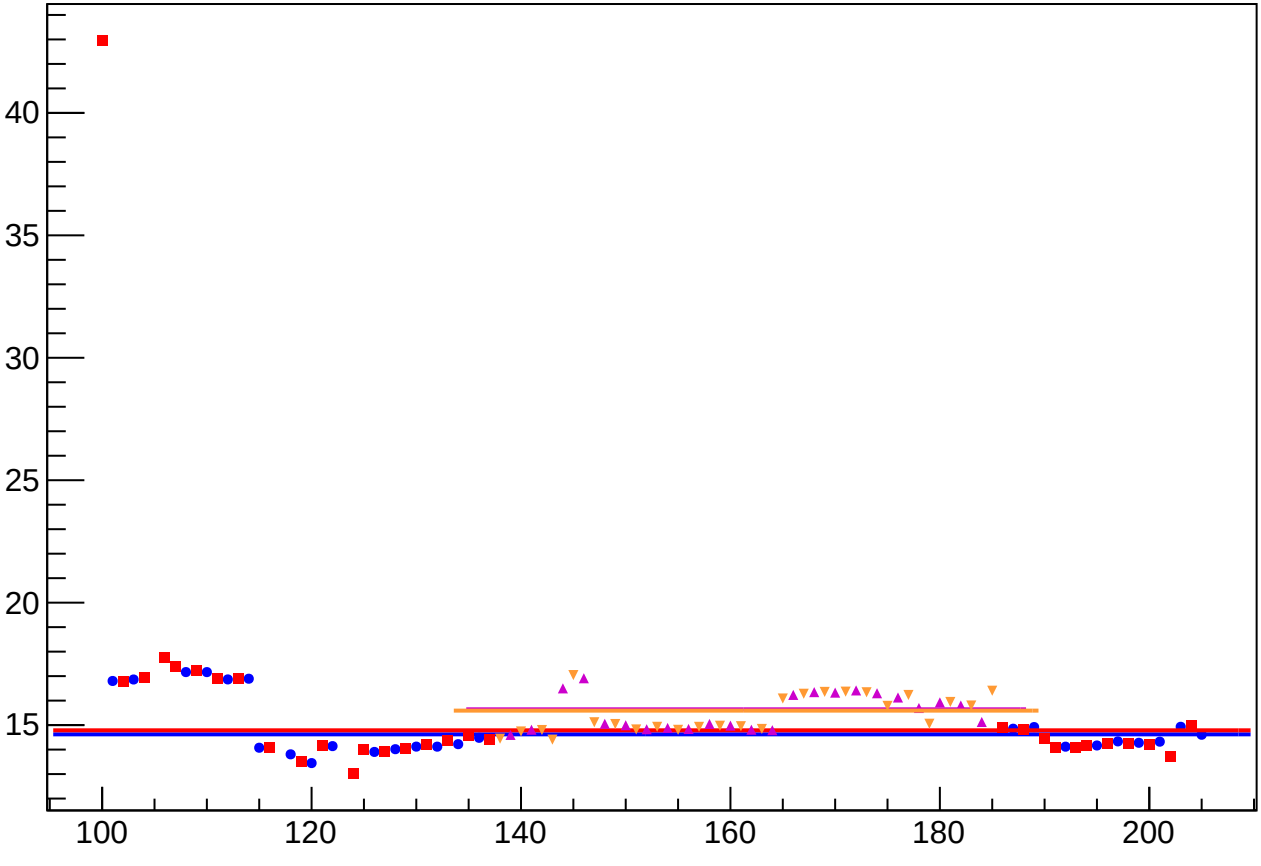
Right: 0.090+/-0.000 χ^2/NDF: 17553387.5/54

In: 0.066+/-0.000 χ^2/NDF:10466748.1/47

Out: 0.064+/-0.000 χ^2/NDF:13726968.9/54

All: 0.065+/-0.000 χ^2/NDF: 24218114.8/102

yield_sam4_mean vs Slug, Sign Corrected



Right In: 14.622+/-0.000 χ^2/NDF: 1211781102.3/24

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.787+/-0.000 χ^2/NDF: 1789807722.7/29

Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

Left: 15.617+/-0.000 χ^2/NDF: 4121246437.2/47

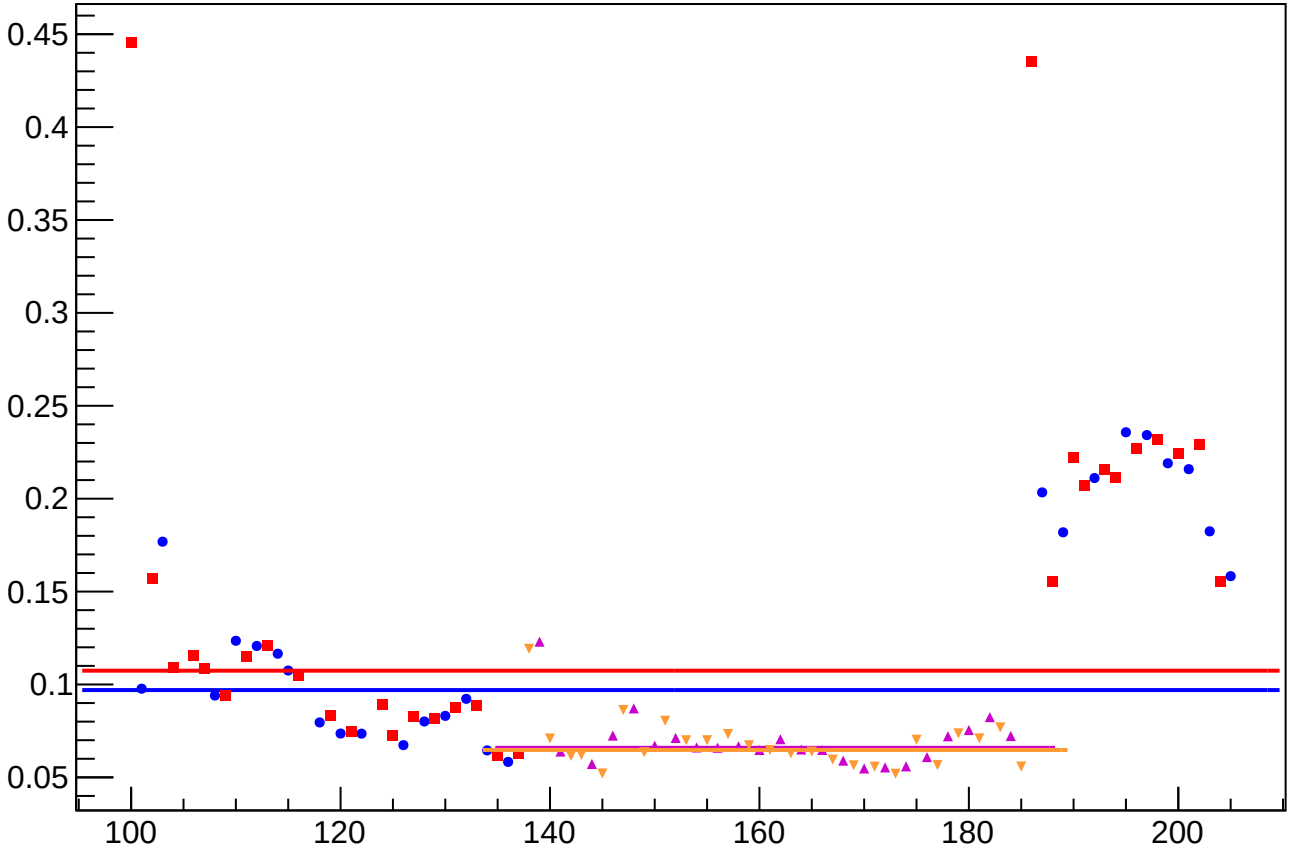
Right: 14.701+/-0.000 χ^2/NDF: 3015846067.0/54

In: 15.404+/-0.000 χ^2/NDF:3951455670.7/47

Out: 15.426+/-0.000 χ^2/NDF:4565604113.7/54

All: 15.415+/-0.000 χ^2/NDF: 8518261052.2/1

yield_sam4_rms vs Slug, Sign Corrected



Right In: 0.097+/-0.000 χ^2/NDF: 5170051.1/24

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.107+/-0.000 χ^2/NDF: 5272317.9/29

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

Left: 0.065+/-0.000 χ^2/NDF: 1648838.5/47

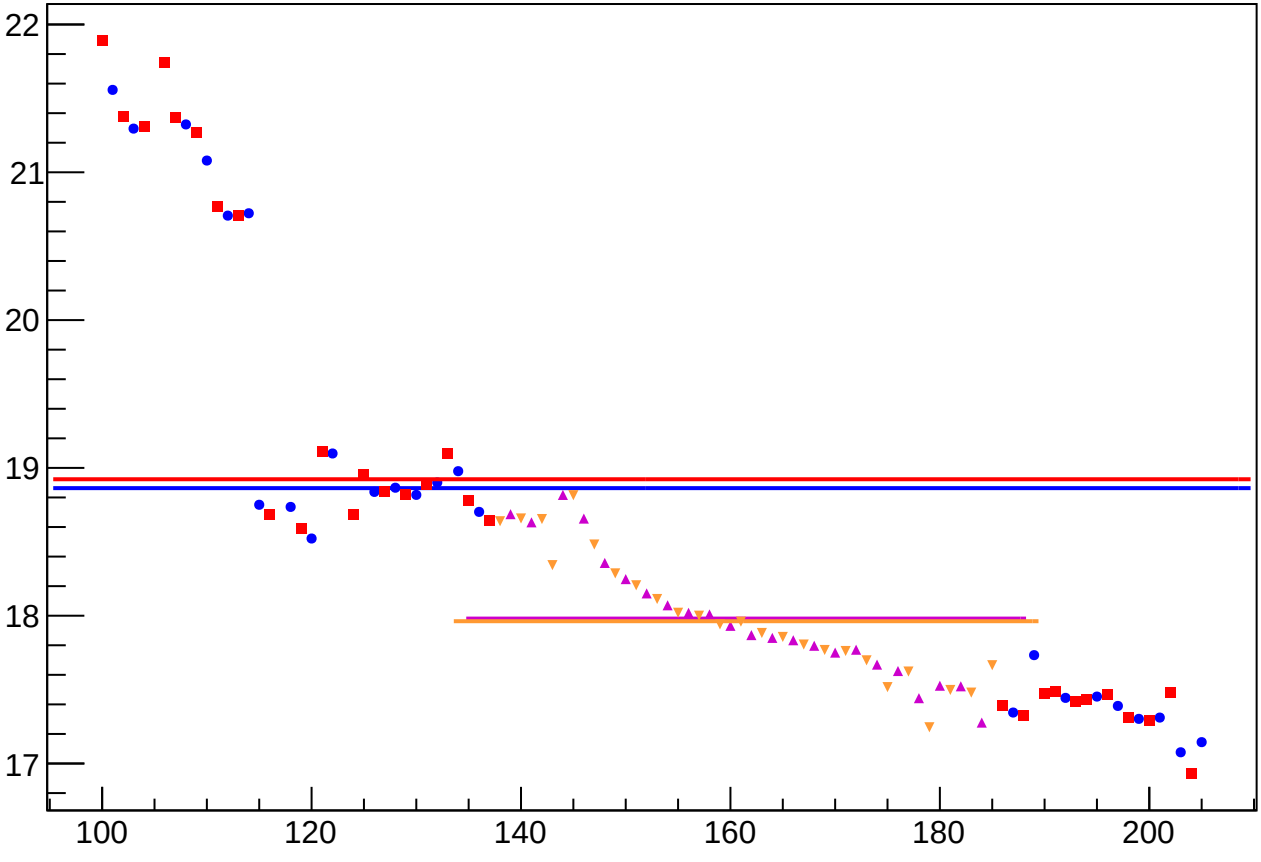
Right: 0.102+/-0.000 χ^2/NDF: 10557259.2/54

In: 0.073+/-0.000 χ^2/NDF:7587945.9/47

Out: 0.074+/-0.000 χ^2/NDF:9046217.1/54

All: 0.073+/-0.000 χ^2/NDF: 16634558.2/102

yield_sam5_mean vs Slug, Sign Corrected



Right In: 18.863+/-0.000 χ^2/NDF: 30831780817.8/24

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.923+/-0.000 χ^2/NDF: 33732973357.5/29

Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

Left: 17.971+/-0.000 χ^2/NDF: 5764899395.7/47

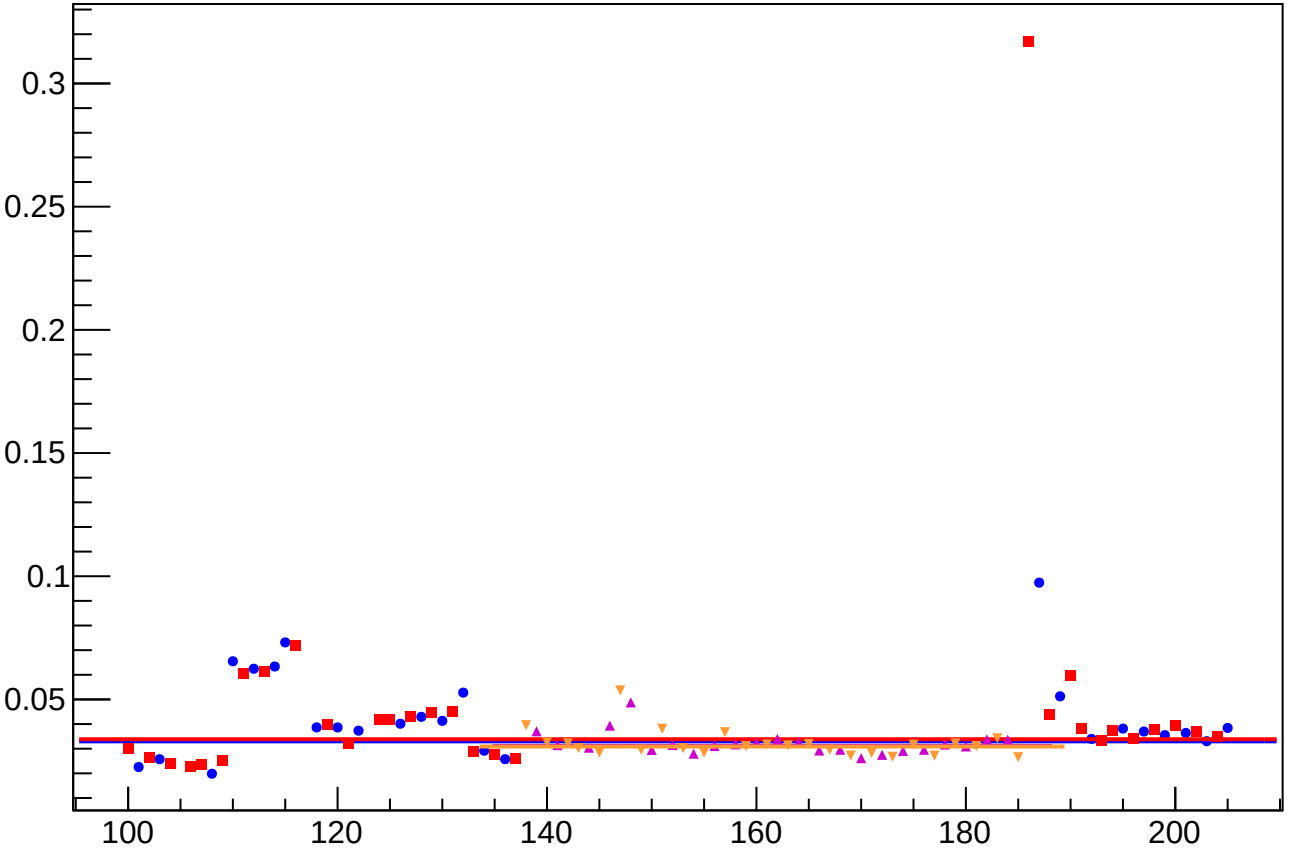
Right: 18.894+/-0.000 χ^2/NDF: 64585486989.8/54

In: 18.322+/-0.000 χ^2/NDF:38940121229.3/47

Out: 18.326+/-0.000 χ^2/NDF:43463716788.2/54

All: 18.324+/-0.000 χ^2/NDF: 82404042591.8

yield_sam5_rms vs Slug, Sign Corrected



Right In: 0.033+/-0.000 χ^2/NDF: 1930825.4/24

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.034+/-0.000 χ^2/NDF: 2236001.7/29

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

Left: 0.031+/-0.000 χ^2/NDF: 1117566.2/47

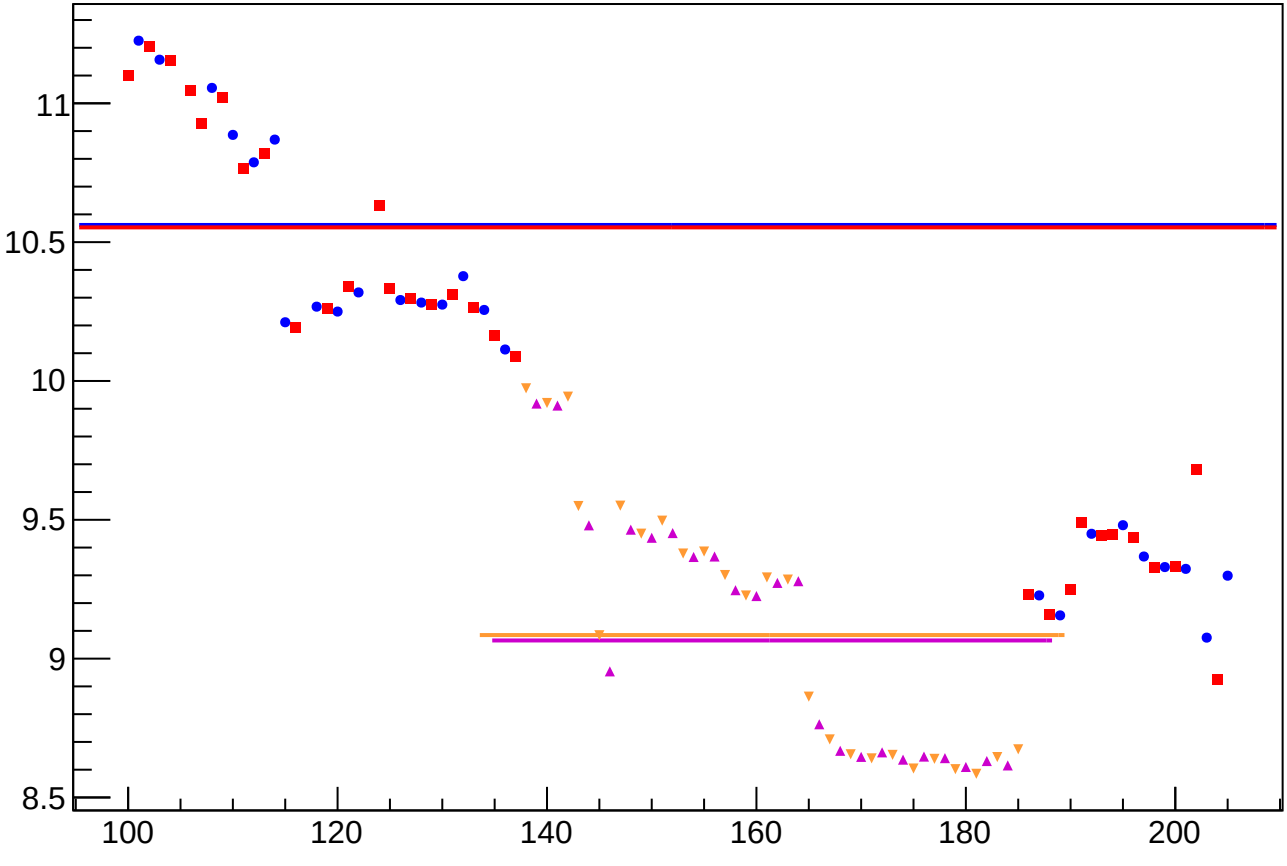
Right: 0.033+/-0.000 χ^2/NDF: 4175051.1/54

In: 0.032+/-0.000 χ^2/NDF:2461543.8/47

Out: 0.032+/-0.000 χ^2/NDF:2995950.5/54

All: 0.032+/-0.000 χ^2/NDF: 5458165.7/102

yield_sam6_mean vs Slug, Sign Corrected



Right In: 10.562+/-0.000 χ^2/NDF: 12702779637.8/24

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.553+/-0.000 χ^2/NDF: 11804414937.0/29

Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

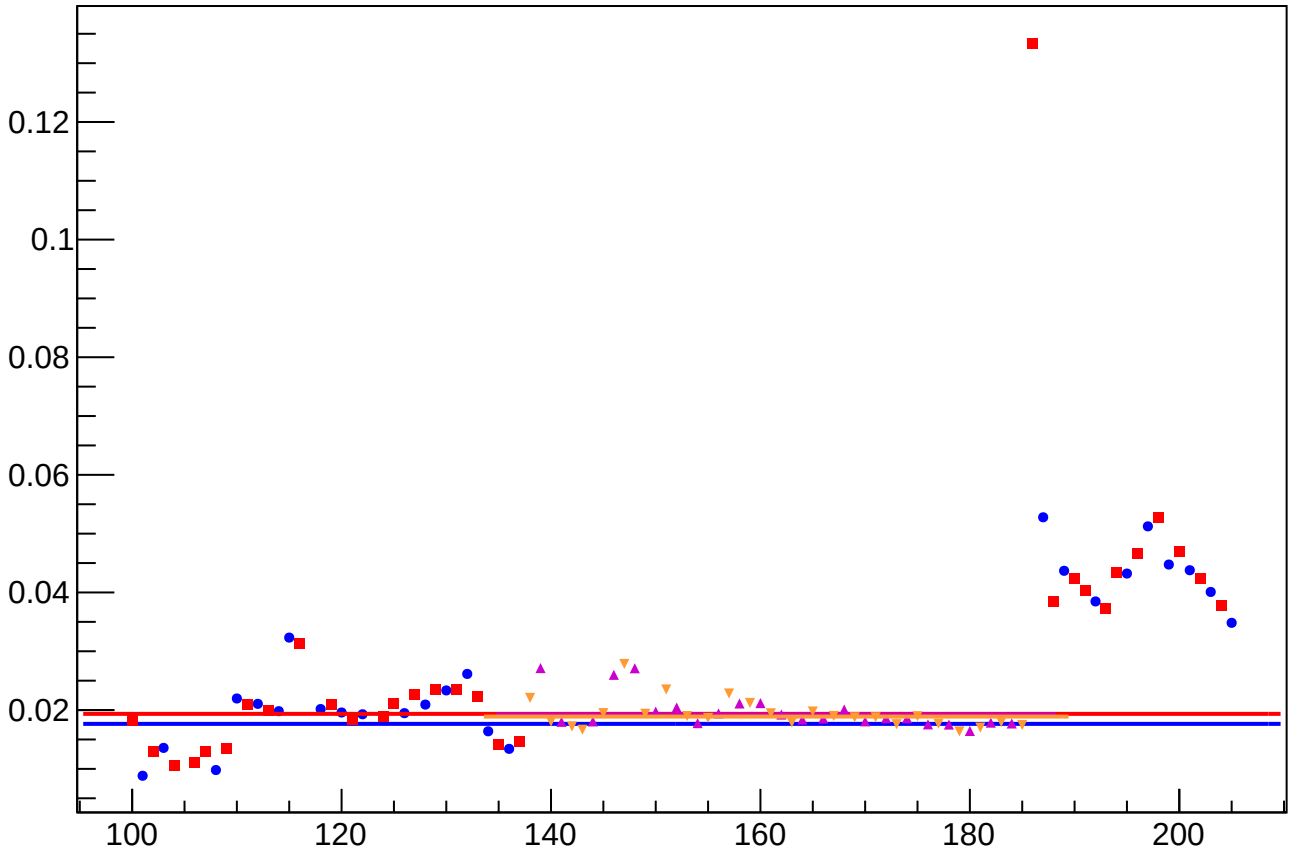
Left: 9.076+/-0.000 χ^2/NDF: 18283226528.9/47

Right: 10.558+/-0.000 χ^2/NDF: 24508365213.4/54

In: 9.683+/-0.000 χ^2/NDF:62133767819.8/47

Out: 9.637+/-0.000 χ^2/NDF:61926403500.6/54

All: 9.659+/-0.000 χ^2/NDF: 124142520869.0



Right In: 0.018+/-0.000 χ^2/NDF: 6616122.0/24

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.019+/-0.000 χ^2/NDF: 6806184.1/29

Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

Left: 0.019+/-0.000 χ^2/NDF: 987575.7/47

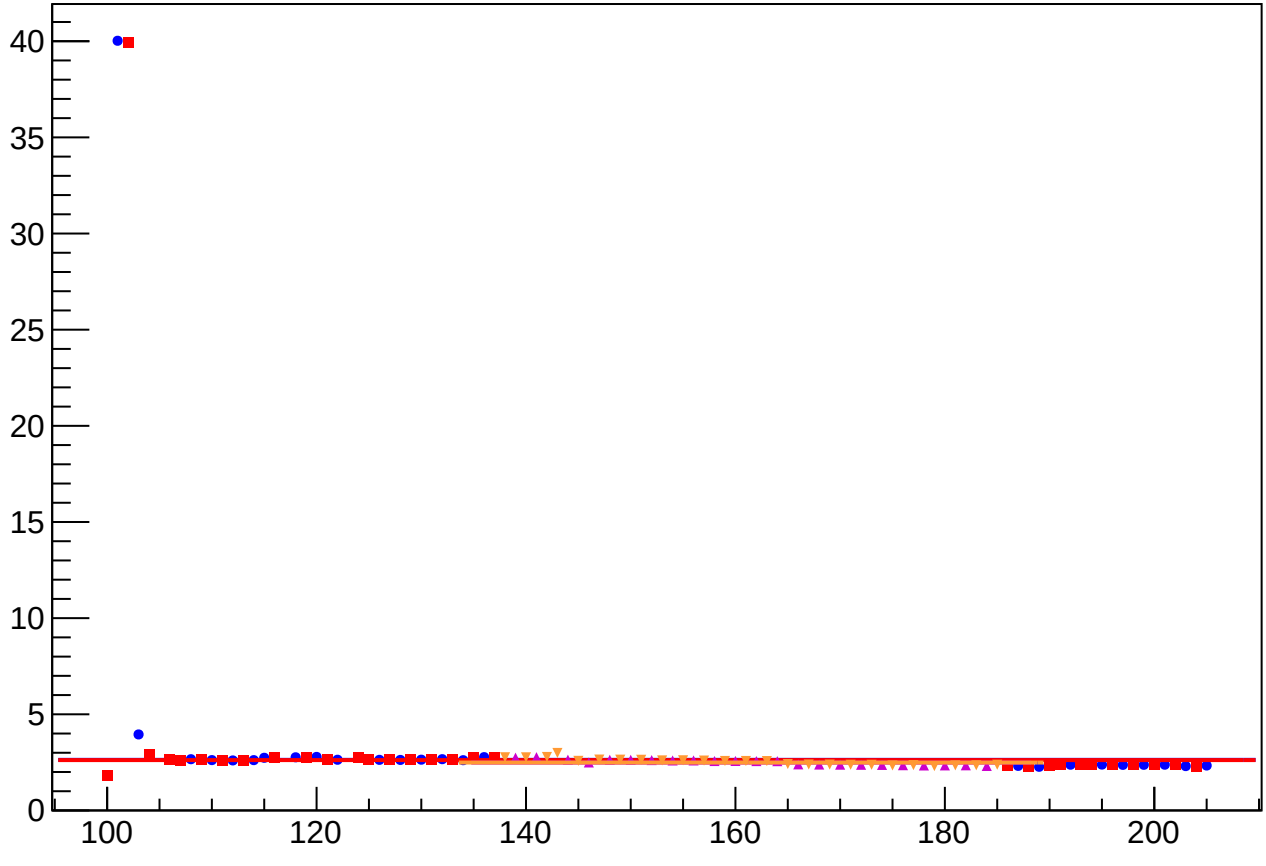
Right: 0.018+/-0.000 χ^2/NDF: 13510689.1/54

In: 0.019+/-0.000 χ^2/NDF:7248839.7/47

Out: 0.019+/-0.000 χ^2/NDF:7255446.5/54

All: 0.019+/-0.000 χ^2/NDF: 14522672.9/102

yield_sam7_mean vs Slug, Sign Corrected



Right In: 2.631+/-0.000 χ^2/NDF: 82962650379.0/24

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.619+/-0.000 χ^2/NDF: 81900042180.3/29

Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

Left: 2.490+/-0.000 χ^2/NDF: 153590739615.6/47

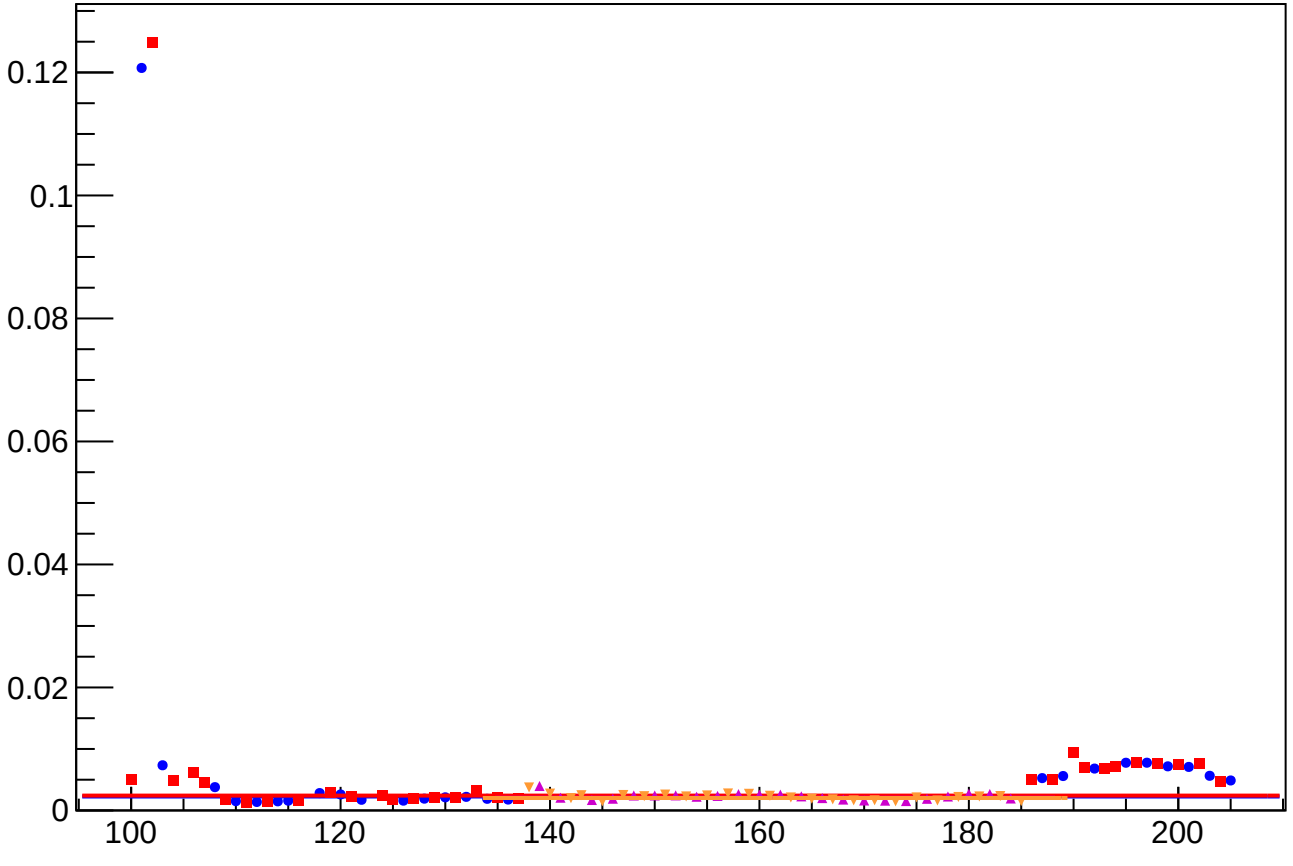
Right: 2.625+/-0.000 χ^2/NDF: 164984389520.8/54

In: 2.534+/-0.000 χ^2/NDF:166491346252.4/47

Out: 2.529+/-0.000 χ^2/NDF:192519217140.1/54

All: 2.532+/-0.000 χ^2/NDF: 359071638865.3

yield_sam7_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8005964.4/24

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 9488366.4/29

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

Left: 0.002+/-0.000 χ^2/NDF: 2965051.2/47

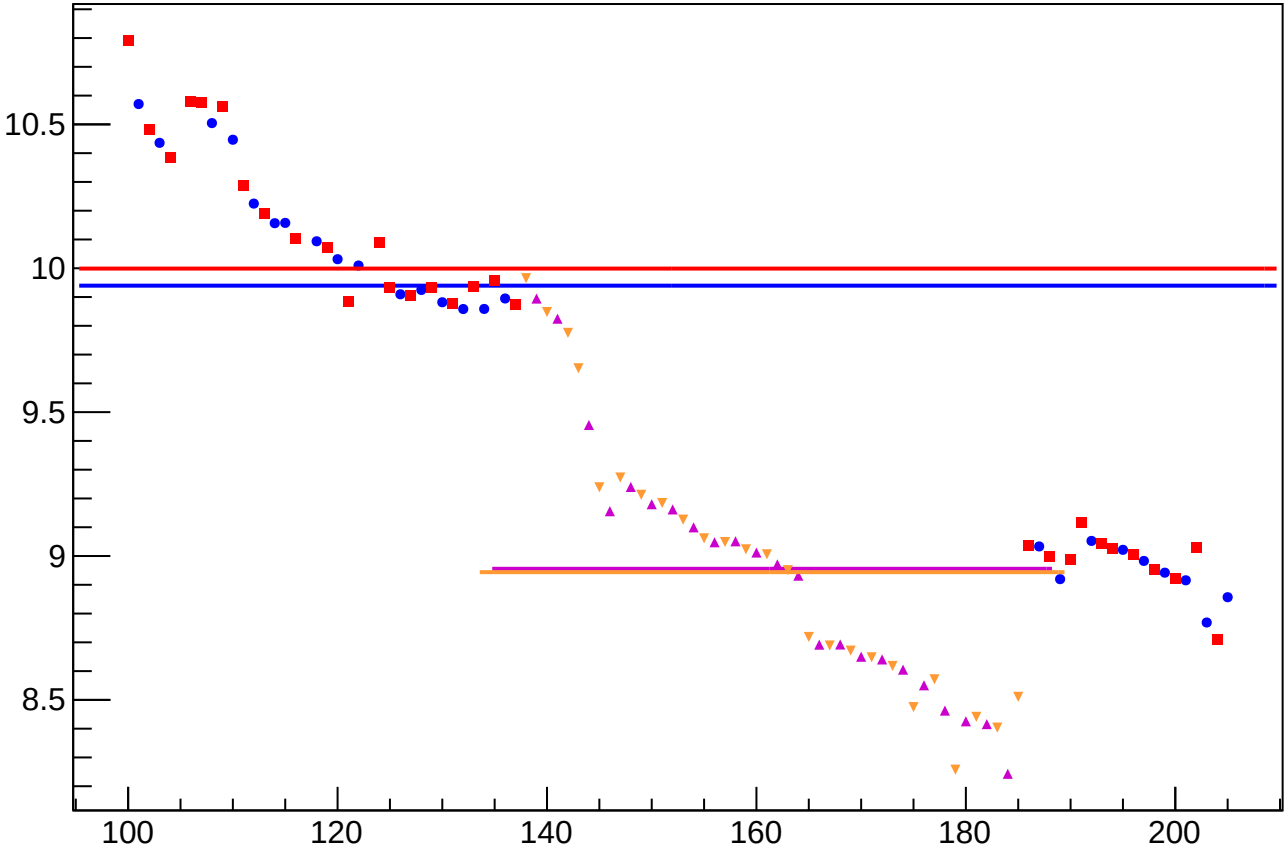
Right: 0.002+/-0.000 χ^2/NDF: 17529633.7/54

In: 0.002+/-0.000 χ^2/NDF:9497211.8/47

Out: 0.002+/-0.000 χ^2/NDF:11388665.1/54

All: 0.002+/-0.000 χ^2/NDF: 20886424.6/102

yield_sam8_mean vs Slug, Sign Corrected



Right In: 9.940+/-0.000 χ^2/NDF: 47190733041.2/24

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.999+/-0.000 χ^2/NDF: 50399451630.8/29

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

Left: 8.949+/-0.000 χ^2/NDF: 117486228855.1/47

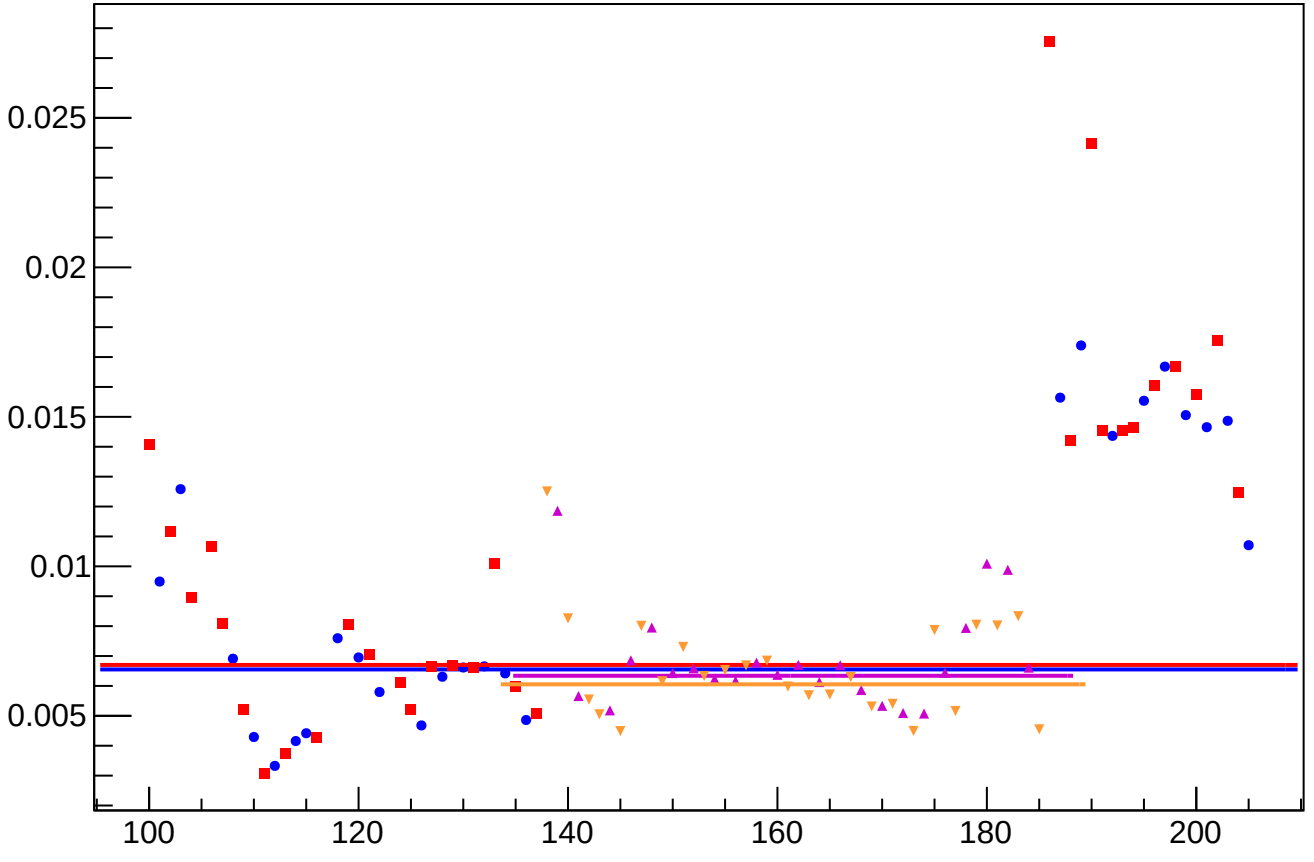
Right: 9.969+/-0.000 χ^2/NDF: 97990281158.6/54

In: 9.333+/-0.000 χ^2/NDF:233216541571.6/47

Out: 9.318+/-0.000 χ^2/NDF:280789343643.2/54

All: 9.325+/-0.000 χ^2/NDF: 514071302089.7

yield_sam8_rms vs Slug, Sign Corrected



Right In: 0.007+/-0.000 χ^2/NDF: 5939675.6/24

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7732440.1/29

Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

Left: 0.006+/-0.000 χ^2/NDF: 2667941.0/47

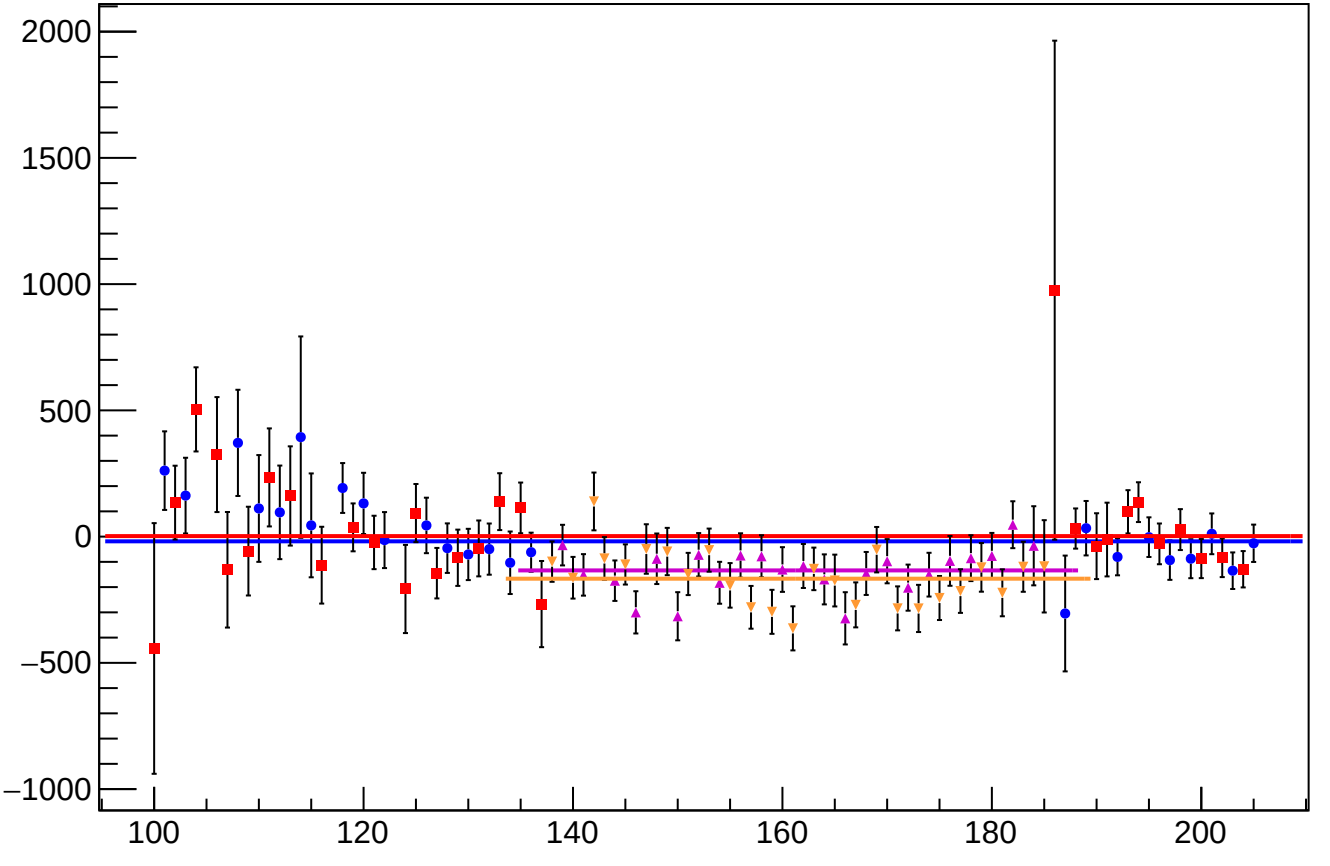
Right: 0.007+/-0.000 χ^2/NDF: 13677283.3/54

In: 0.006+/-0.000 χ^2/NDF:7127420.6/47

Out: 0.006+/-0.000 χ^2/NDF:9317859.7/54

All: 0.006+/-0.000 χ^2/NDF: 16456814.3/102

reg_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.695+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 2.019+/-20.262 χ^2/NDF: 37.8/29

Left In: -133.843+/-18.756 χ^2/NDF:20.7/22

Left: -150.863+/-13.016 χ^2/NDF: 54.0/47

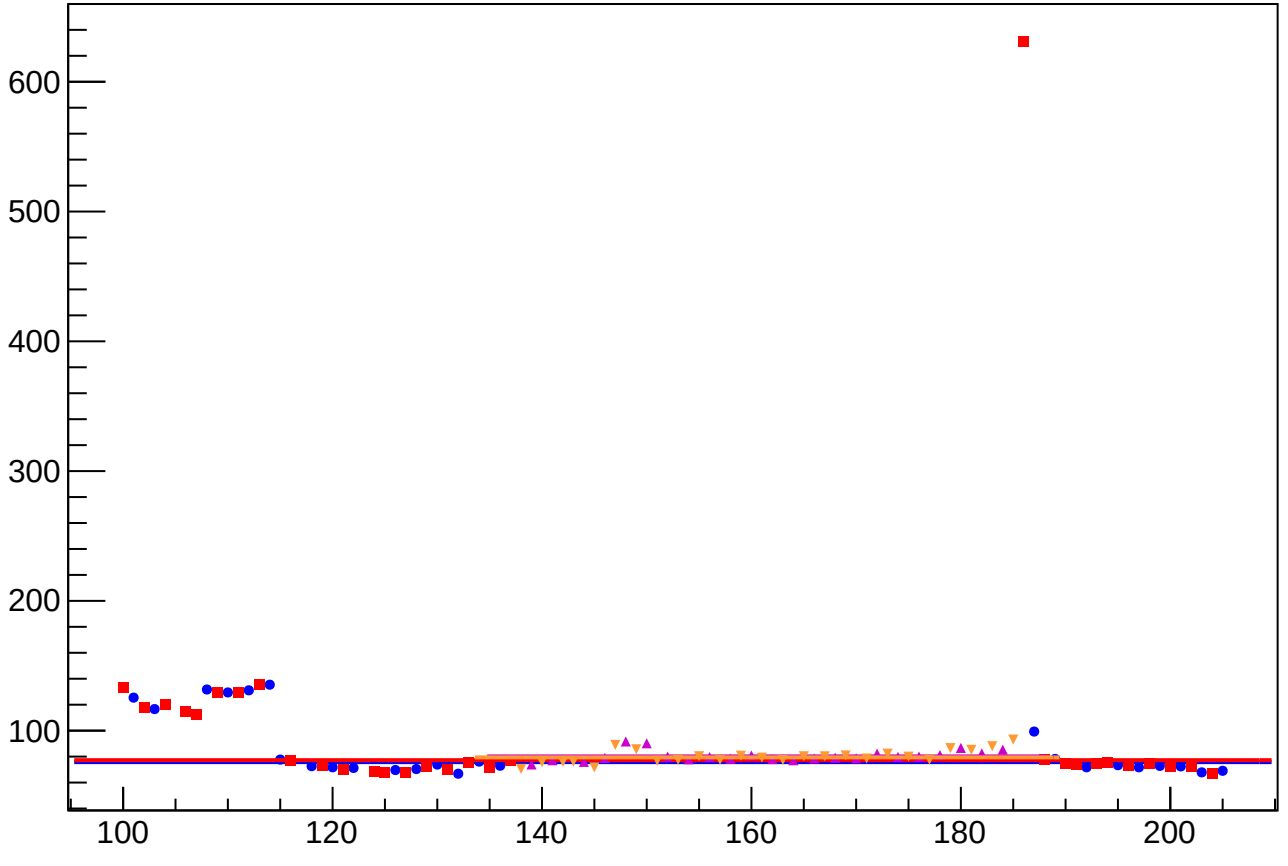
Right: -8.195+/-14.425 χ^2/NDF: 63.0/54

In: -81.494+/-13.851 χ^2/NDF:62.6/47

Out: -91.901+/-13.490 χ^2/NDF:108.0/54

All: -86.835+/-9.664 χ^2/NDF: 170.9/102

reg_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.749+/-0.015 χ^2/NDF: 966302.6/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 77.260+/-0.014 χ^2/NDF: 1676017.4/29

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

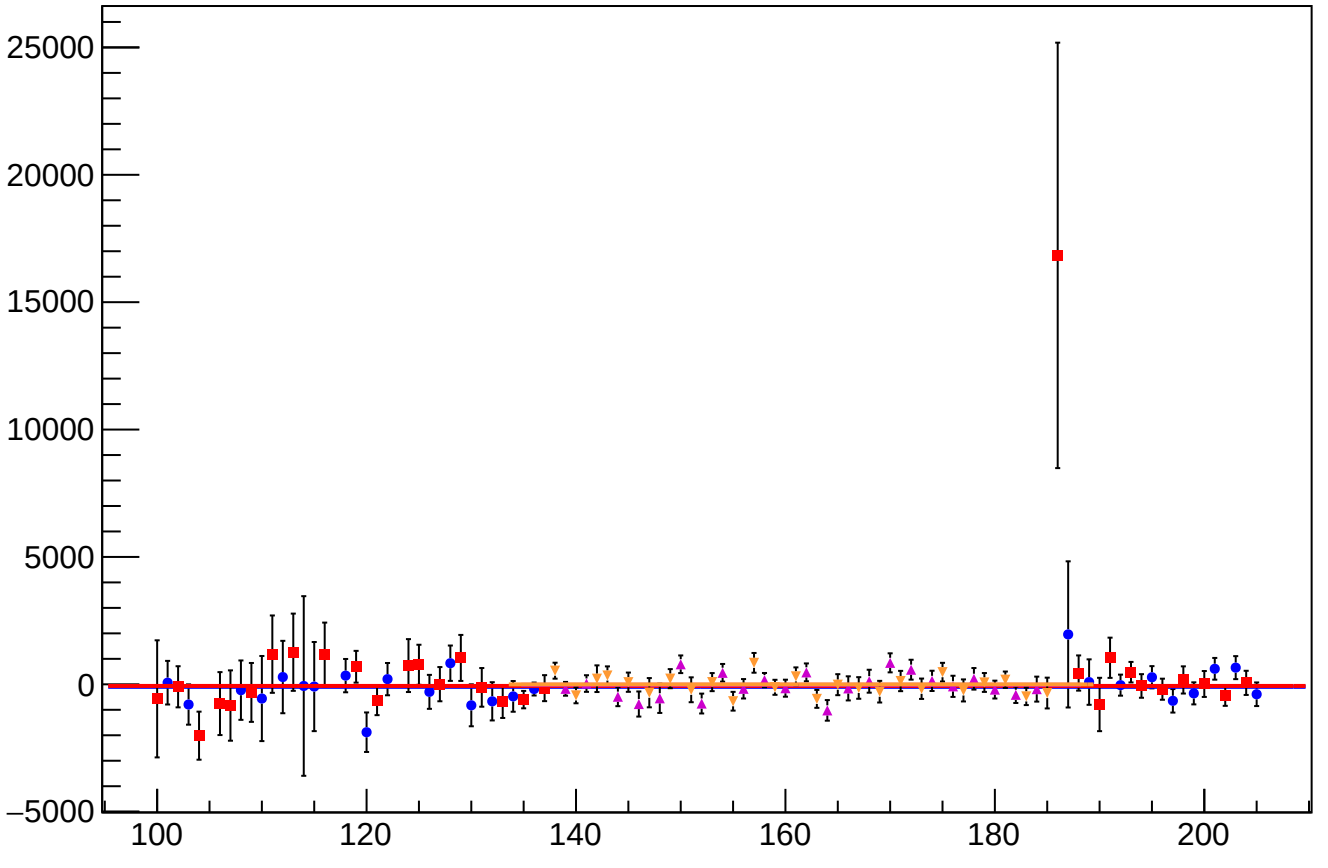
Left: 79.771+/-0.009 χ^2/NDF: 227922.3/47

Right: 76.515+/-0.010 χ^2/NDF: 2647808.6/54

In: 78.155+/-0.010 χ^2/NDF:1108067.9/47

Out: 78.457+/-0.010 χ^2/NDF:1823350.4/54

All: 78.310+/-0.007 χ^2/NDF: 2931908.6/102



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -63.651+/-116.353 χ^2/NDF: 26.7/29

Left In: -19.298+/-77.541 χ^2/NDF:35.0/22

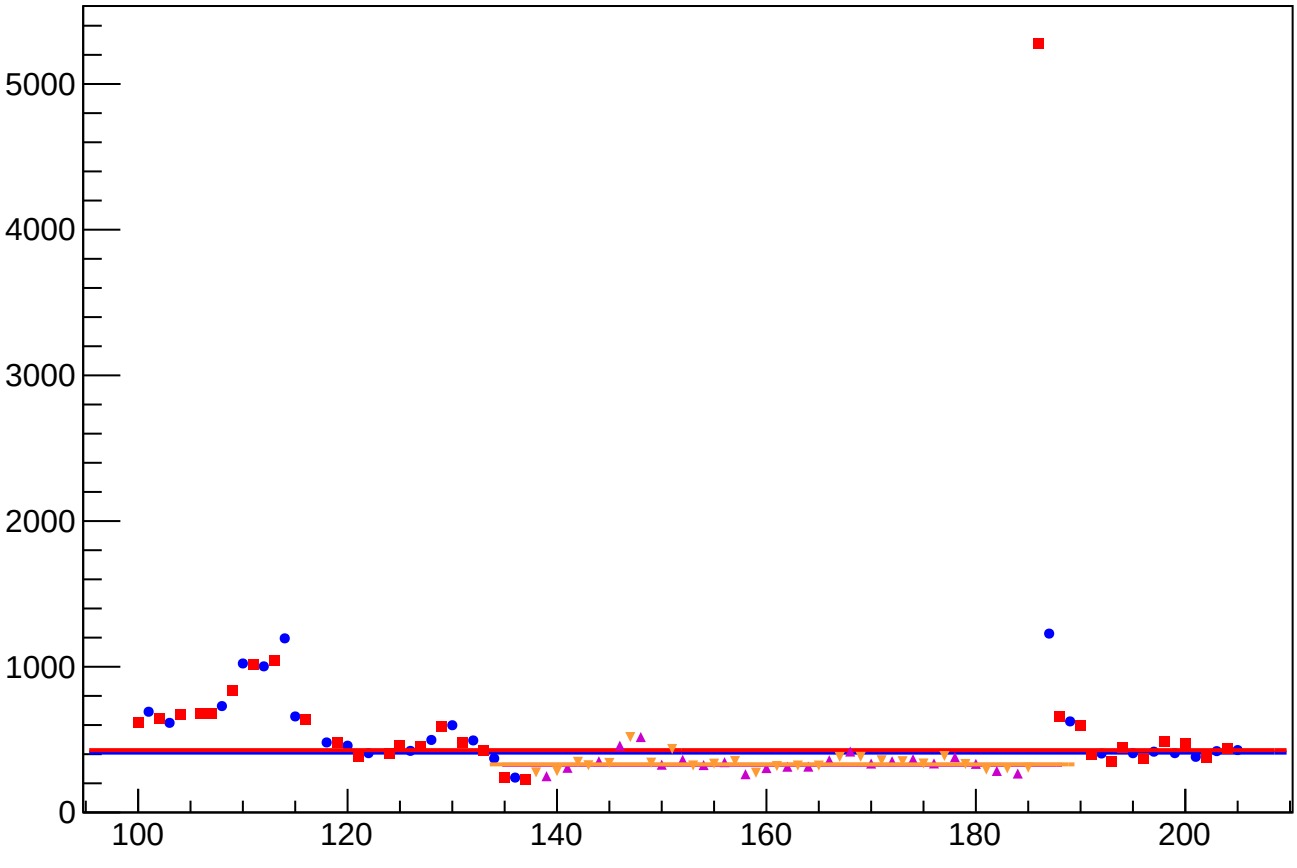
Left: -11.213+/-54.227 χ^2/NDF: 59.1/47

Right: -81.168+/-81.994 χ^2/NDF: 46.4/54

In: -43.869+/-64.390 χ^2/NDF:55.0/47

Out: -21.425+/-63.548 χ^2/NDF:50.9/54

All: -32.499+/-45.230 χ^2/NDF: 106.0/102



Right In: 410.631+/-0.082 χ^2/NDF: 2656671.7/24

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 427.795+/-0.082 χ^2/NDF: 3515597.2/29

Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560101.8/47

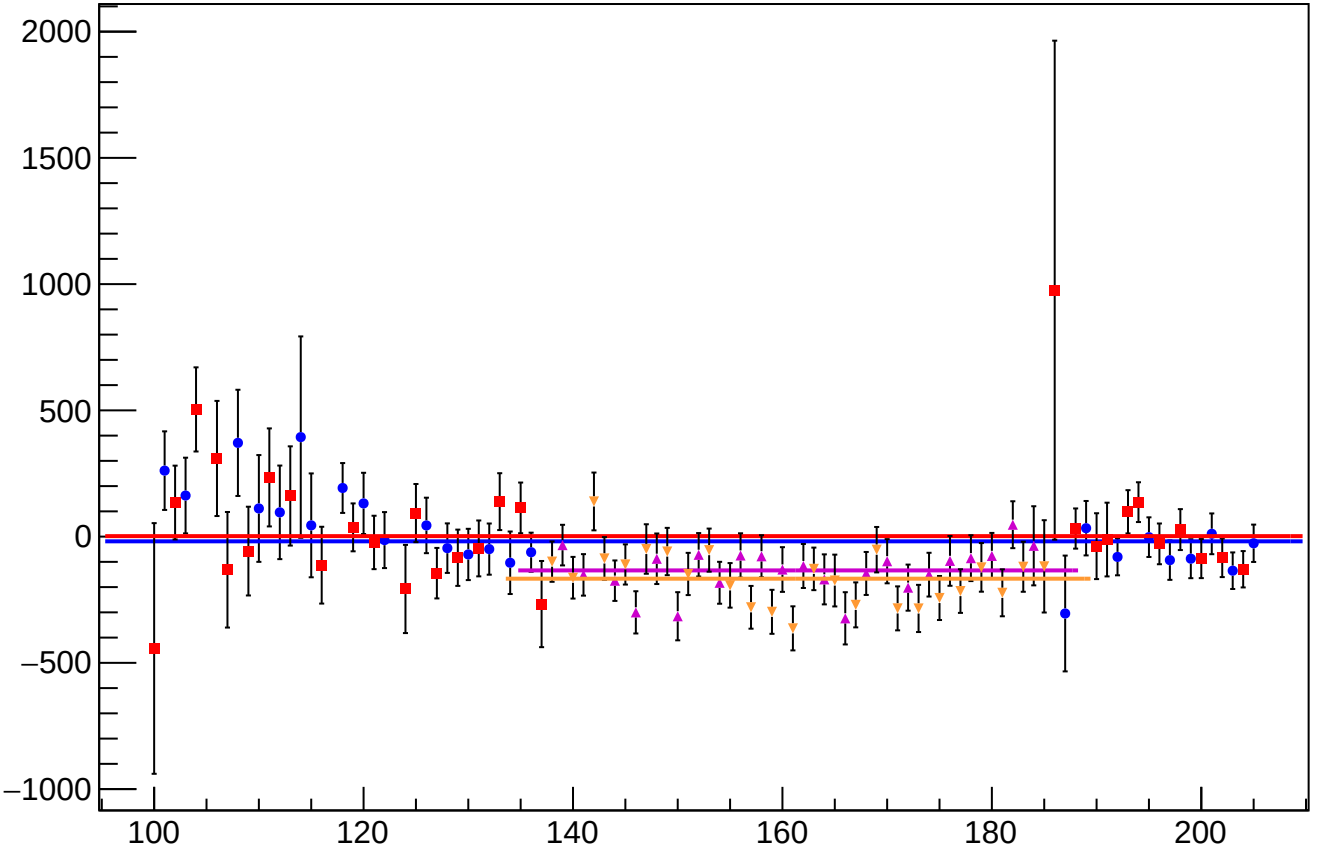
Right: 419.155+/-0.058 χ^2/NDF: 6194178.1/54

In: 352.937+/-0.046 χ^2/NDF:4278865.8/47

Out: 359.149+/-0.045 χ^2/NDF:5166910.0/54

All: 356.084+/-0.032 χ^2/NDF: 9455207.9/102

cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.692+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.891+/-20.262 χ^2/NDF: 37.6/29

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

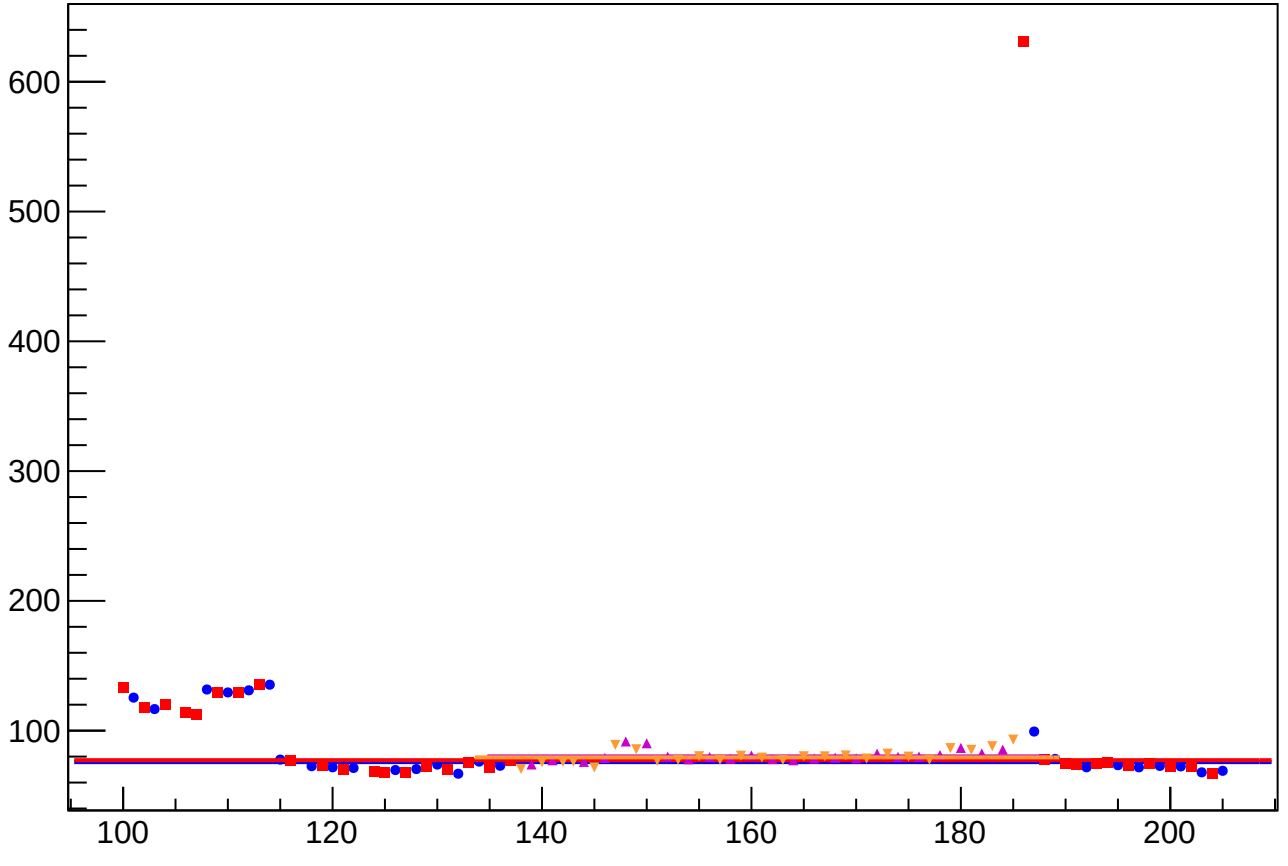
Right: -8.259+/-14.426 χ^2/NDF: 62.8/54

In: -81.496+/-13.851 χ^2/NDF:62.6/47

Out: -91.958+/-13.490 χ^2/NDF:107.8/54

All: -86.865+/-9.664 χ^2/NDF: 170.6/102

cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.749+/-0.015 χ^2/NDF: 966302.8/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 77.254+/-0.014 χ^2/NDF: 1673848.6/29

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

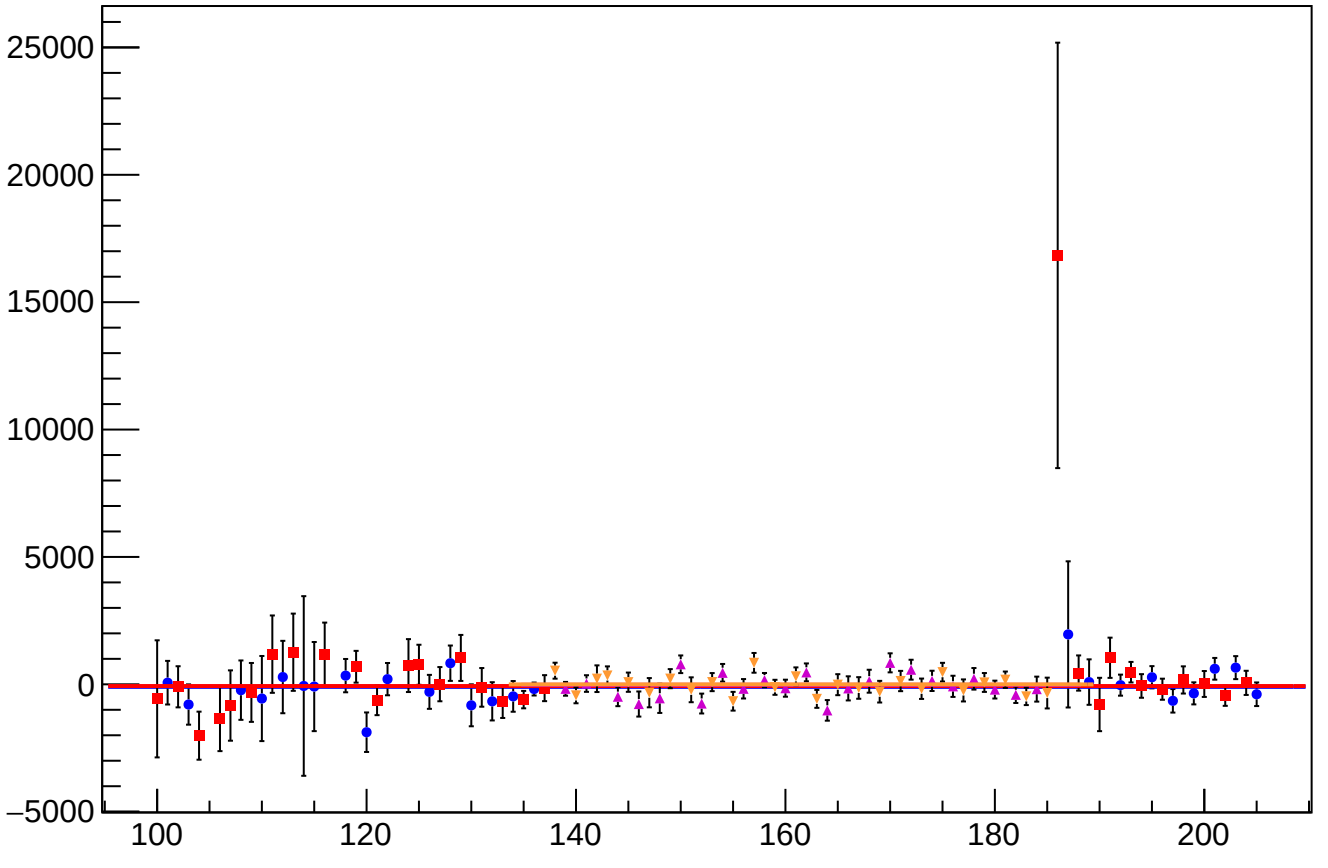
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 76.512+/-0.010 χ^2/NDF: 2645592.7/54

In: 78.155+/-0.010 χ^2/NDF:1108068.2/47

Out: 78.454+/-0.010 χ^2/NDF:1821257.5/54

All: 78.309+/-0.007 χ^2/NDF: 2929806.7/102



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -68.223+/-116.385 χ^2/NDF: 27.4/29

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

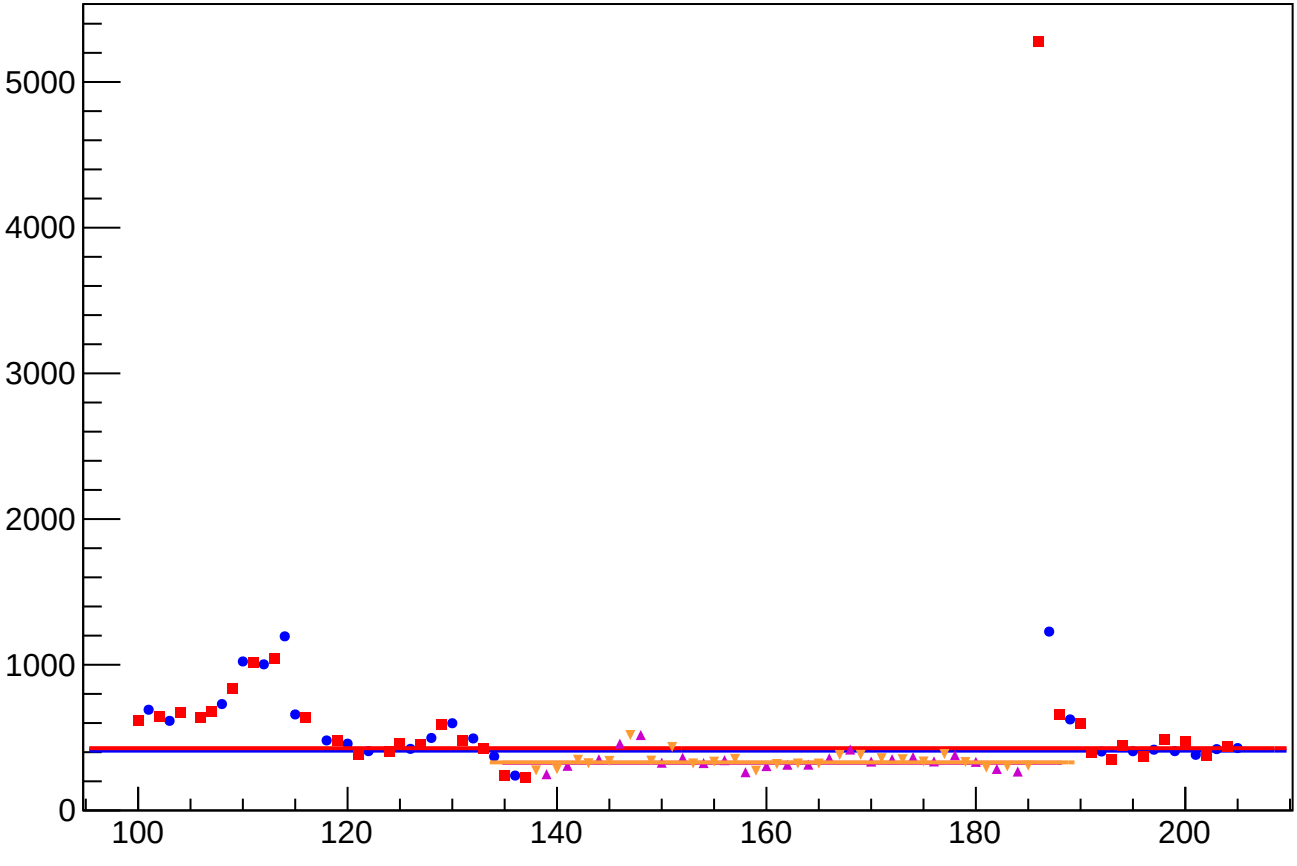
Right: -83.442+/-82.005 χ^2/NDF: 47.1/54

In: -43.874+/-64.390 χ^2/NDF:55.0/47

Out: -22.781+/-63.553 χ^2/NDF:51.6/54

All: -33.190+/-45.232 χ^2/NDF: 106.7/102

asym_sam1_cor_correction_rms vs Slug, Sign Corrected



Right In: 410.631+/-0.082 χ^2/NDF: 2656666.3/24

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.334+/-0.082 χ^2/NDF: 3488115.7/29

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

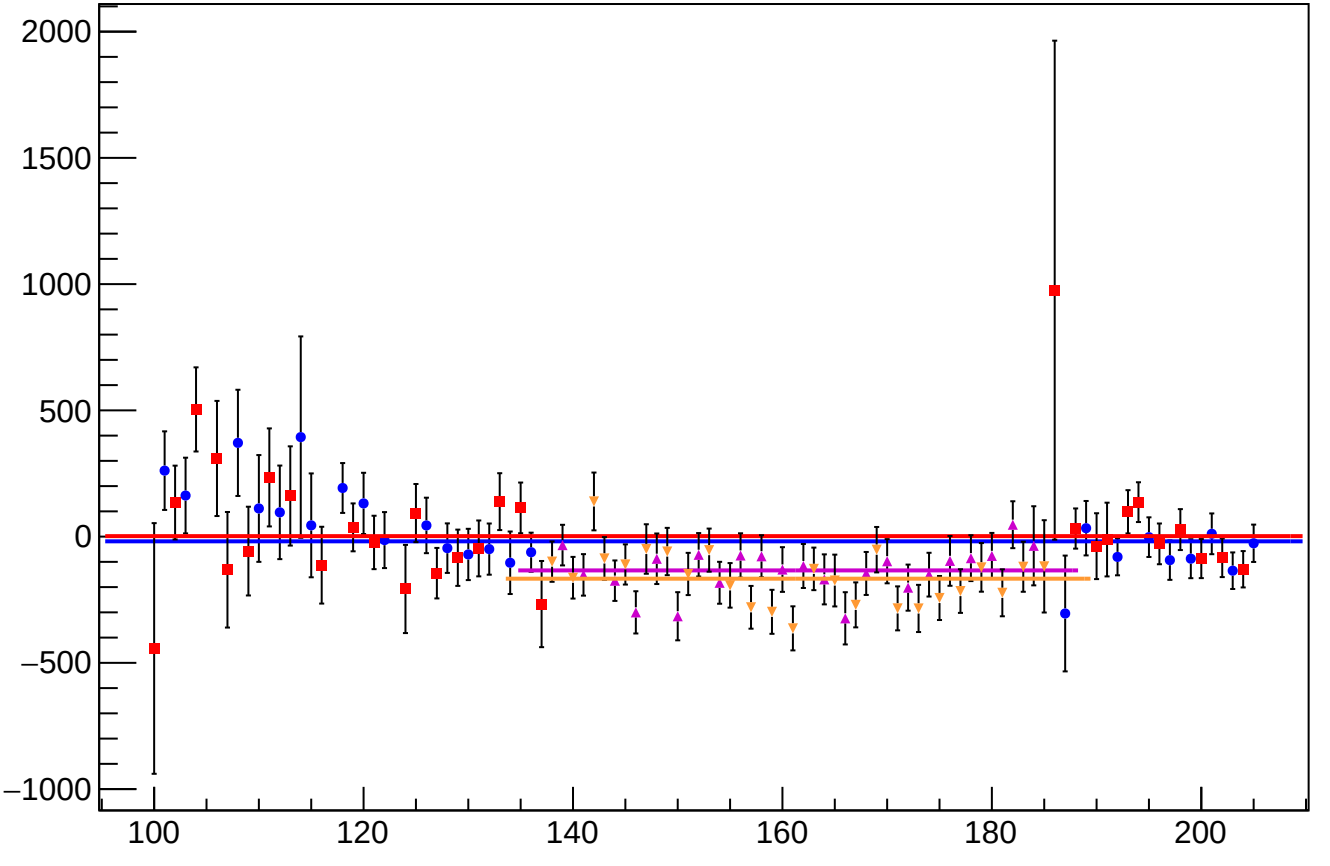
Right: 418.923+/-0.058 χ^2/NDF: 6165523.3/54

In: 352.937+/-0.046 χ^2/NDF:4278866.8/47

Out: 359.001+/-0.045 χ^2/NDF:5129736.7/54

All: 356.009+/-0.032 χ^2/NDF: 9417589.0/102

eigen_cor_asym_sam1_mean vs Slug, Sign Corrected



Right In: -18.692+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 1.891+/-20.262 χ^2/NDF: 37.6/29

Left In: -133.850+/-18.756 χ^2/NDF:20.7/22

Left: -150.865+/-13.016 χ^2/NDF: 54.0/47

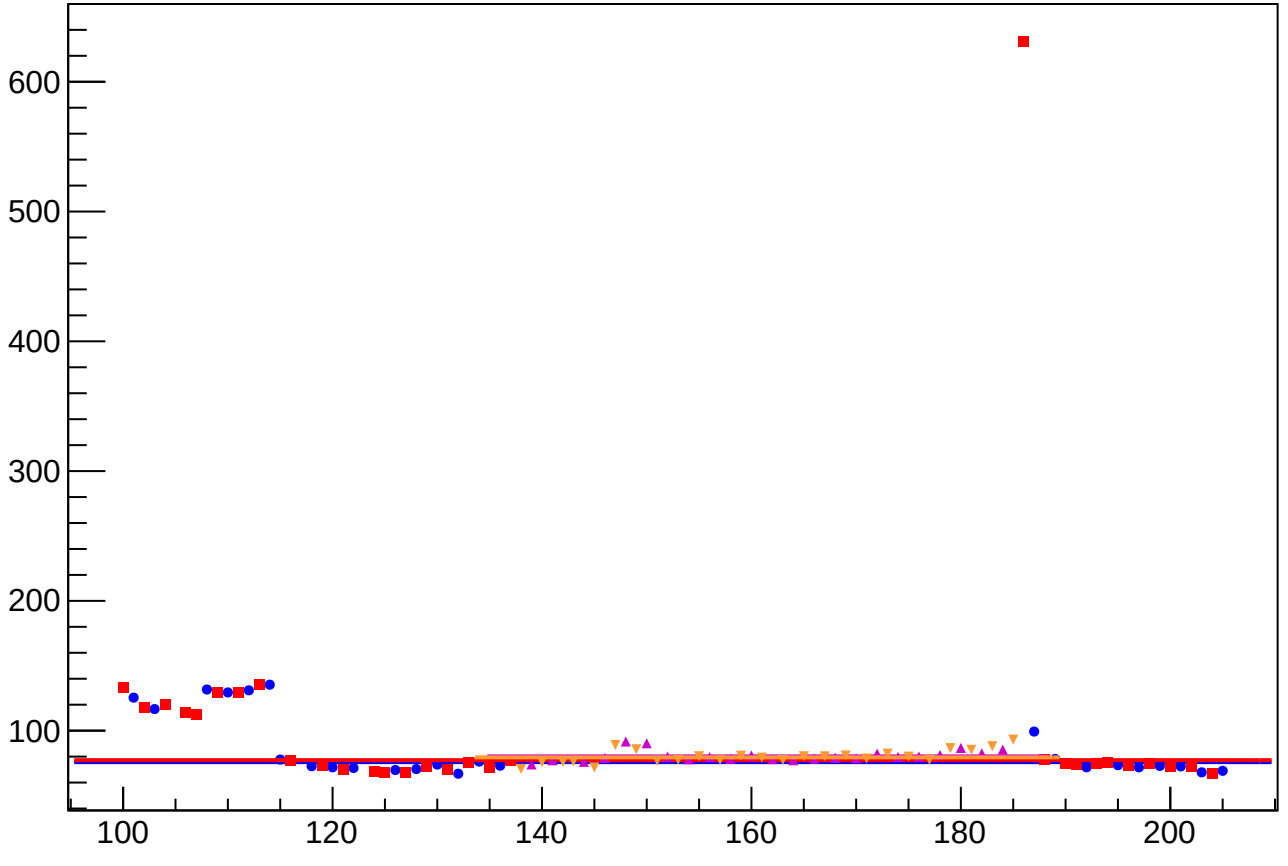
Right: -8.259+/-14.426 χ^2/NDF: 62.8/54

In: -81.496+/-13.851 χ^2/NDF:62.6/47

Out: -91.958+/-13.490 χ^2/NDF:107.8/54

All: -86.865+/-9.664 χ^2/NDF: 170.6/102

eigen_cor_asym_sam1_rms vs Slug, Sign Corrected



Right In: 75.749+/-0.015 χ^2/NDF: 966302.8/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 77.254+/-0.014 χ^2/NDF: 1673848.6/29

Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

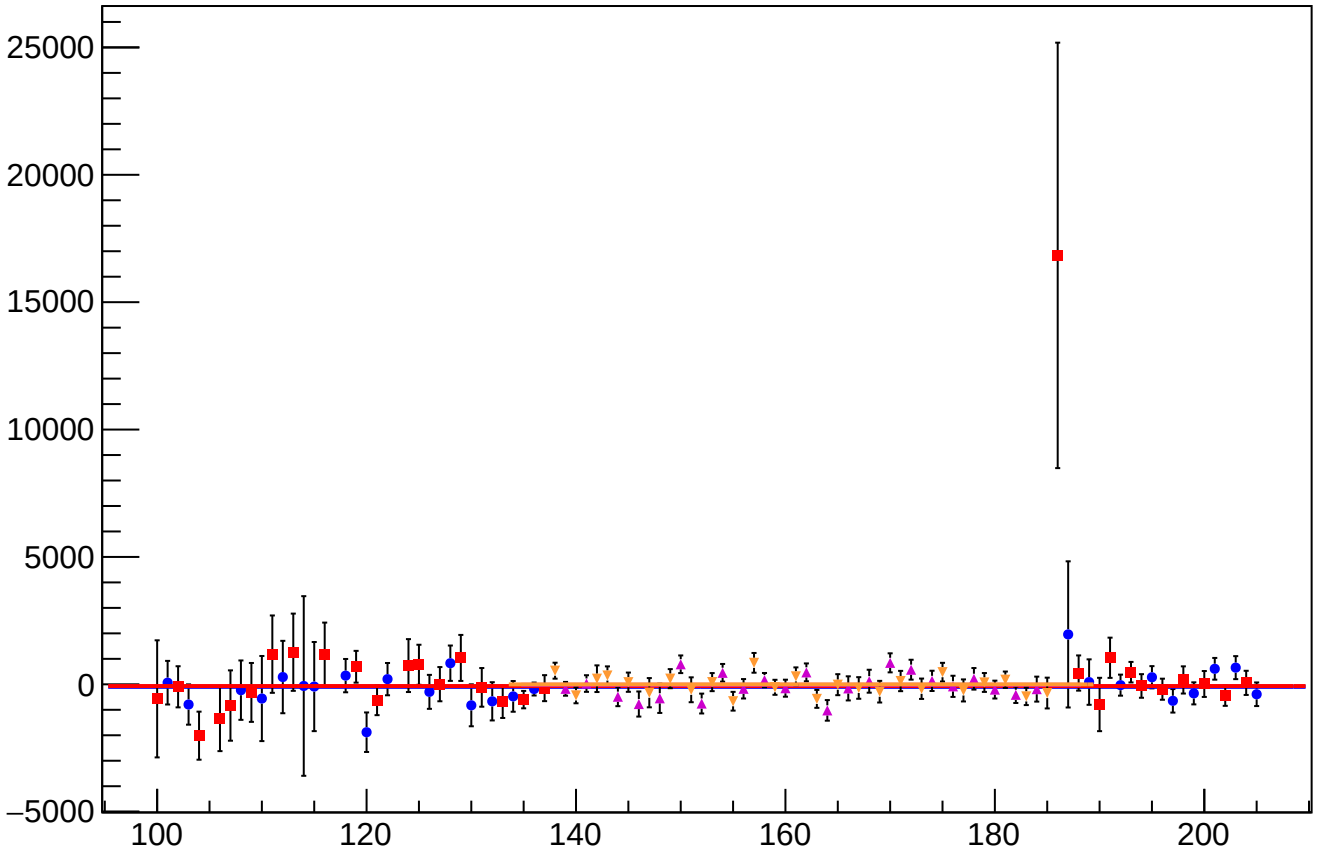
Left: 79.771+/-0.009 χ^2/NDF: 227922.4/47

Right: 76.512+/-0.010 χ^2/NDF: 2645592.7/54

In: 78.155+/-0.010 χ^2/NDF:1108068.2/47

Out: 78.454+/-0.010 χ^2/NDF:1821257.5/54

All: 78.309+/-0.007 χ^2/NDF: 2929806.7/102



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: -68.223+/-116.385 χ^2/NDF: 27.4/29

Left In: -19.305+/-77.541 χ^2/NDF:35.0/22

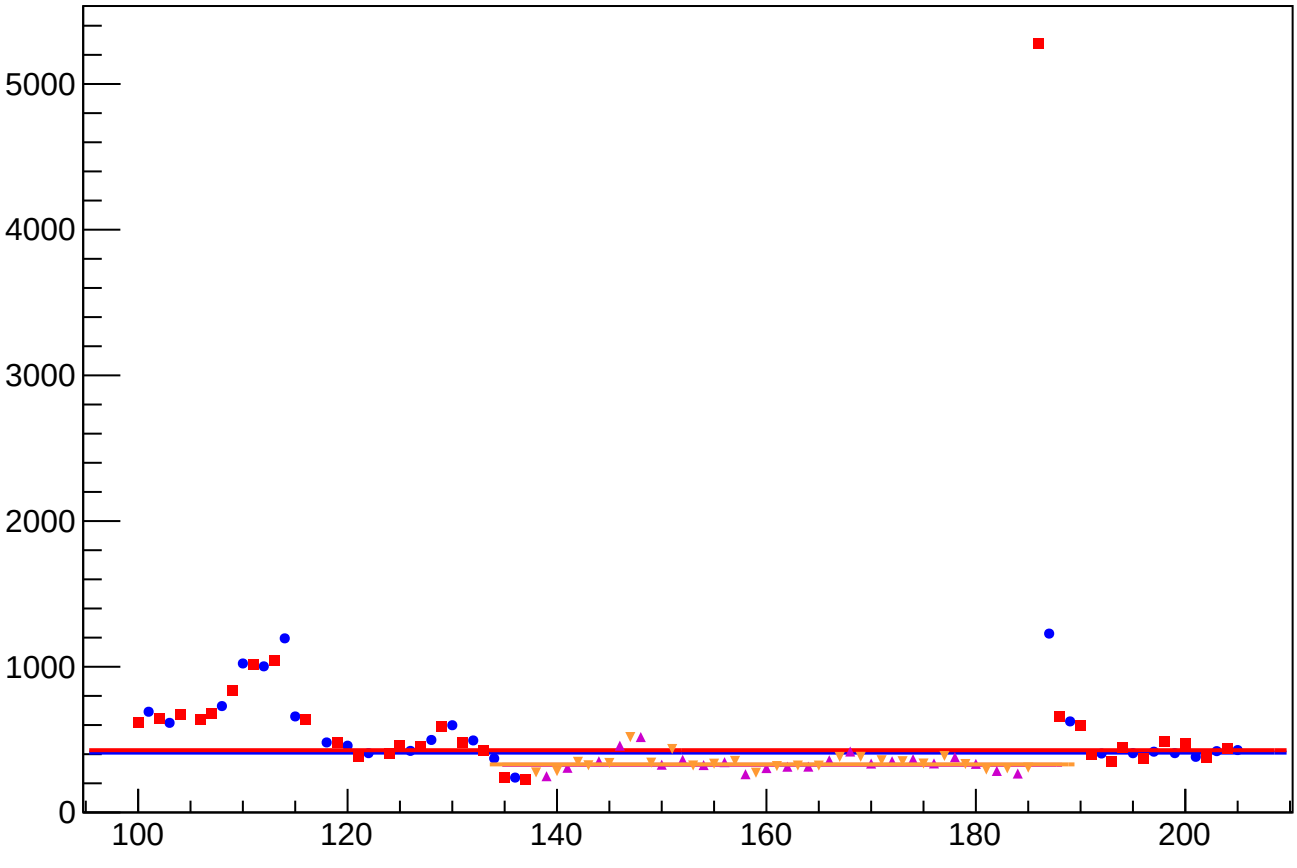
Left: -11.216+/-54.227 χ^2/NDF: 59.1/47

Right: -83.442+/-82.005 χ^2/NDF: 47.1/54

In: -43.874+/-64.390 χ^2/NDF:55.0/47

Out: -22.781+/-63.553 χ^2/NDF:51.6/54

All: -33.190+/-45.232 χ^2/NDF: 106.7/102



Right In: 410.631+/-0.082 χ^2/NDF: 2656666.3/24

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 427.334+/-0.082 χ^2/NDF: 3488115.7/29

Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

Left: 328.498+/-0.038 χ^2/NDF: 1560113.2/47

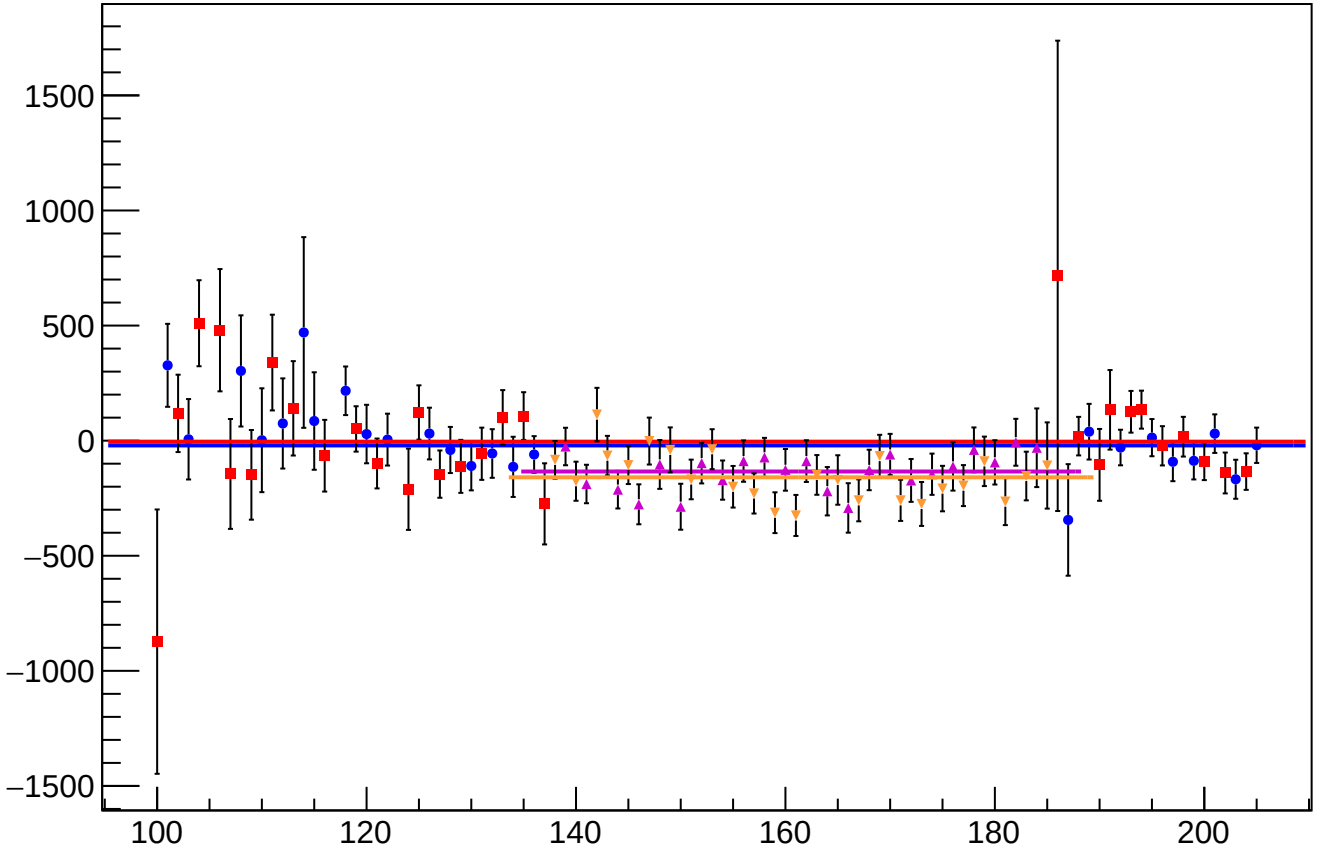
Right: 418.923+/-0.058 χ^2/NDF: 6165523.3/54

In: 352.937+/-0.046 χ^2/NDF:4278866.8/47

Out: 359.001+/-0.045 χ^2/NDF:5129736.7/54

All: 356.009+/-0.032 χ^2/NDF: 9417589.0/102

dit_asym_sam1_mean vs Slug, Sign Corrected



Right In: -20.745+/-21.769 χ^2/NDF: 21.5/24

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -4.383+/-21.584 χ^2/NDF: 41.7/29

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

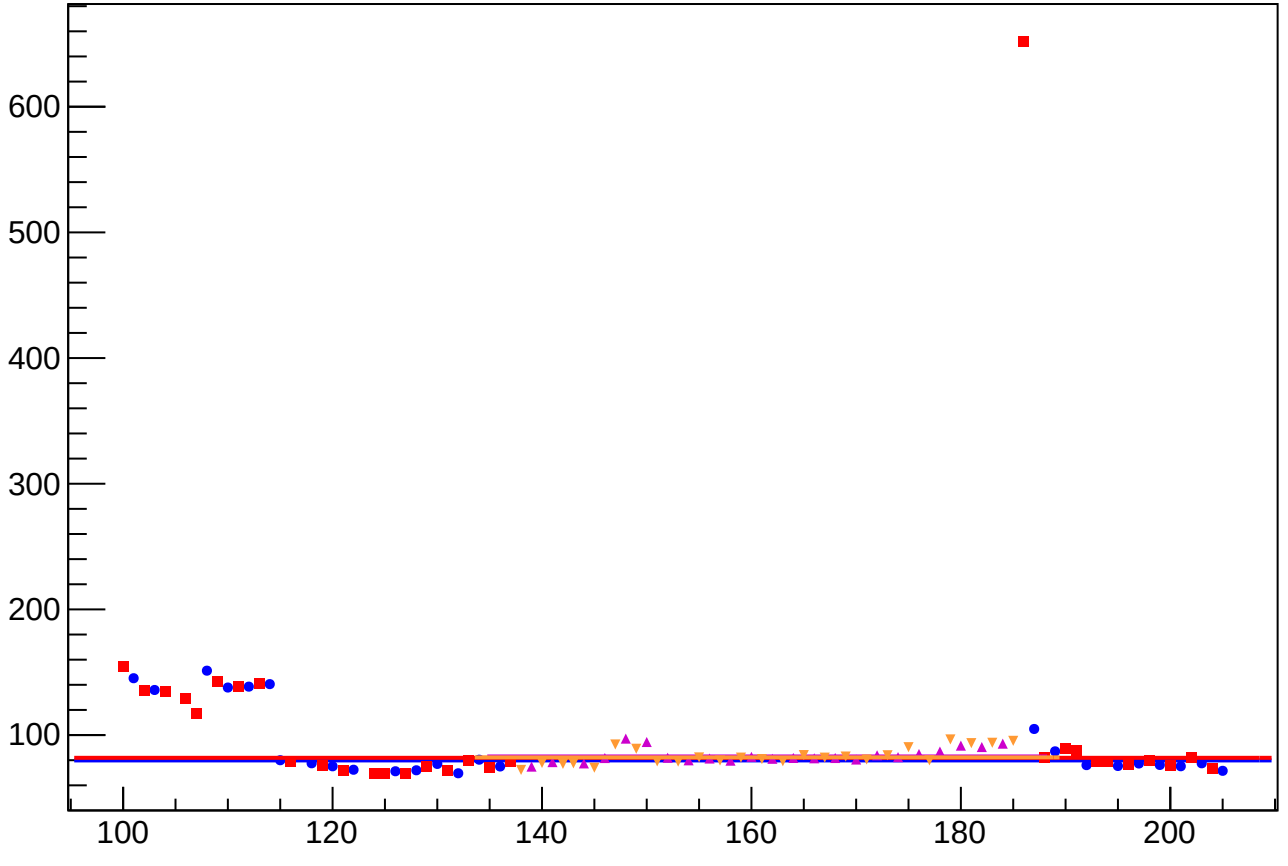
Right: -12.494+/-15.327 χ^2/NDF: 63.5/54

In: -83.755+/-14.500 χ^2/NDF:53.0/47

Out: -92.633+/-14.155 χ^2/NDF:99.2/54

All: -88.301+/-10.129 χ^2/NDF: 152.4/102

dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 79.831+/-0.015 χ^2/NDF: 1138567.5/24

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 81.900+/-0.015 χ^2/NDF: 1814556.0/29

Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

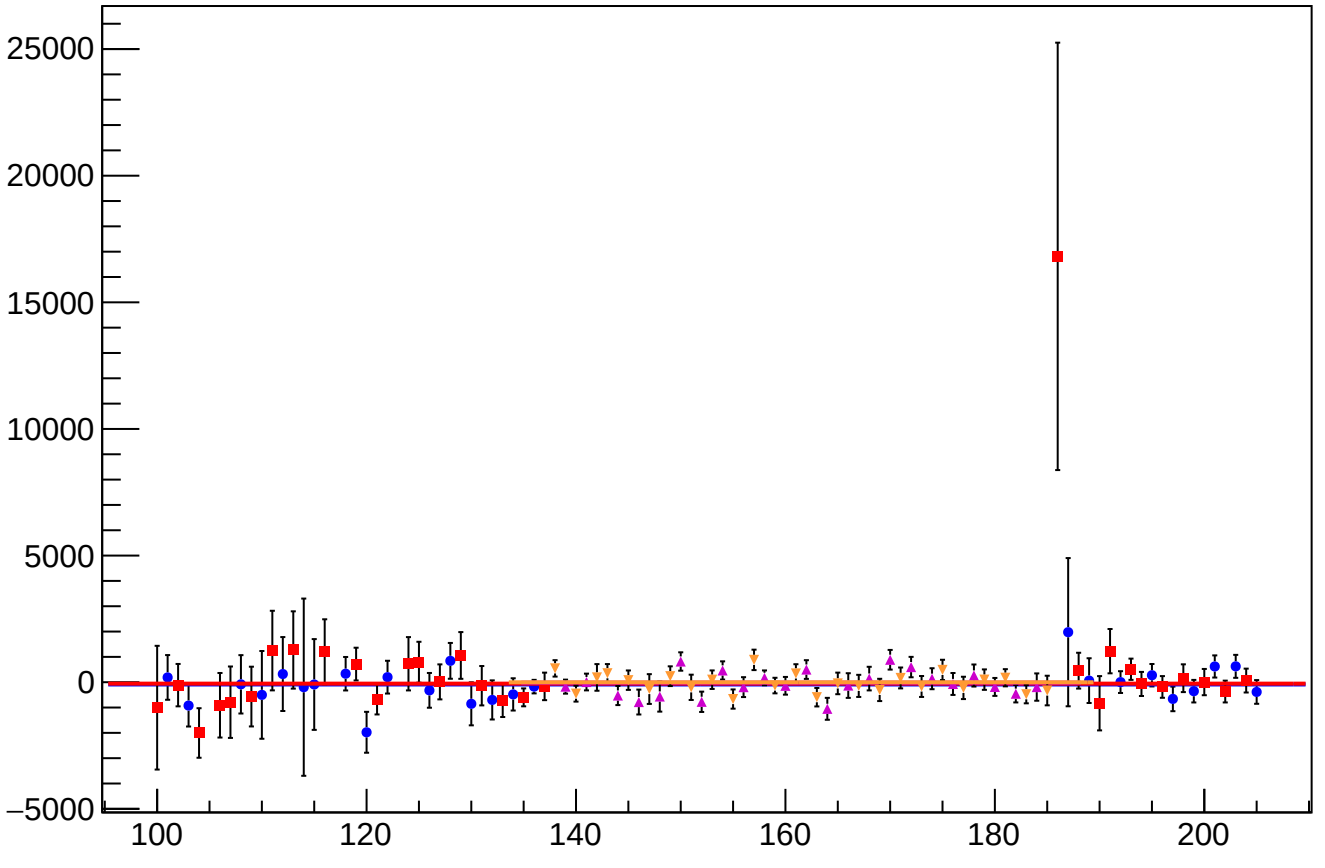
Left: 82.607+/-0.010 χ^2/NDF: 363681.9/47

Right: 80.874+/-0.011 χ^2/NDF: 2962234.2/54

In: 81.590+/-0.010 χ^2/NDF:1307649.9/47

Out: 82.098+/-0.010 χ^2/NDF:2031399.0/54

All: 81.850+/-0.007 χ^2/NDF: 3340305.2/102



Right In: -89.520+/-119.178 χ^2/NDF: 19.6/24

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: -56.624+/-120.433 χ^2/NDF: 26.4/29

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

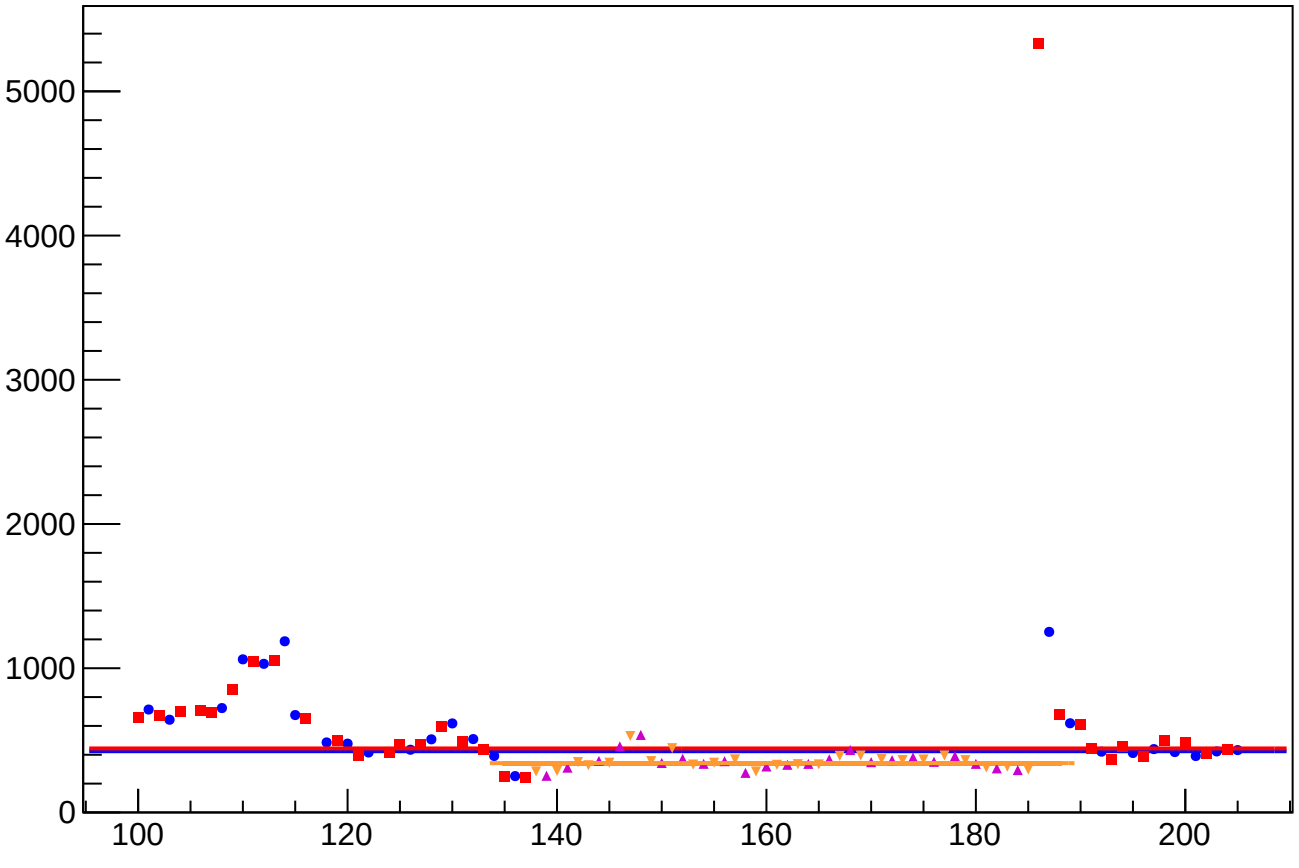
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -73.244+/-84.712 χ^2/NDF: 46.1/54

In: -39.355+/-66.657 χ^2/NDF:54.8/47

Out: -19.079+/-65.811 χ^2/NDF:50.1/54

All: -29.088+/-46.832 χ^2/NDF: 104.9/102



Right In: 424.674+/-0.084 χ^2/NDF: 2528089.6/24

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 443.789+/-0.085 χ^2/NDF: 3401022.9/29

Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

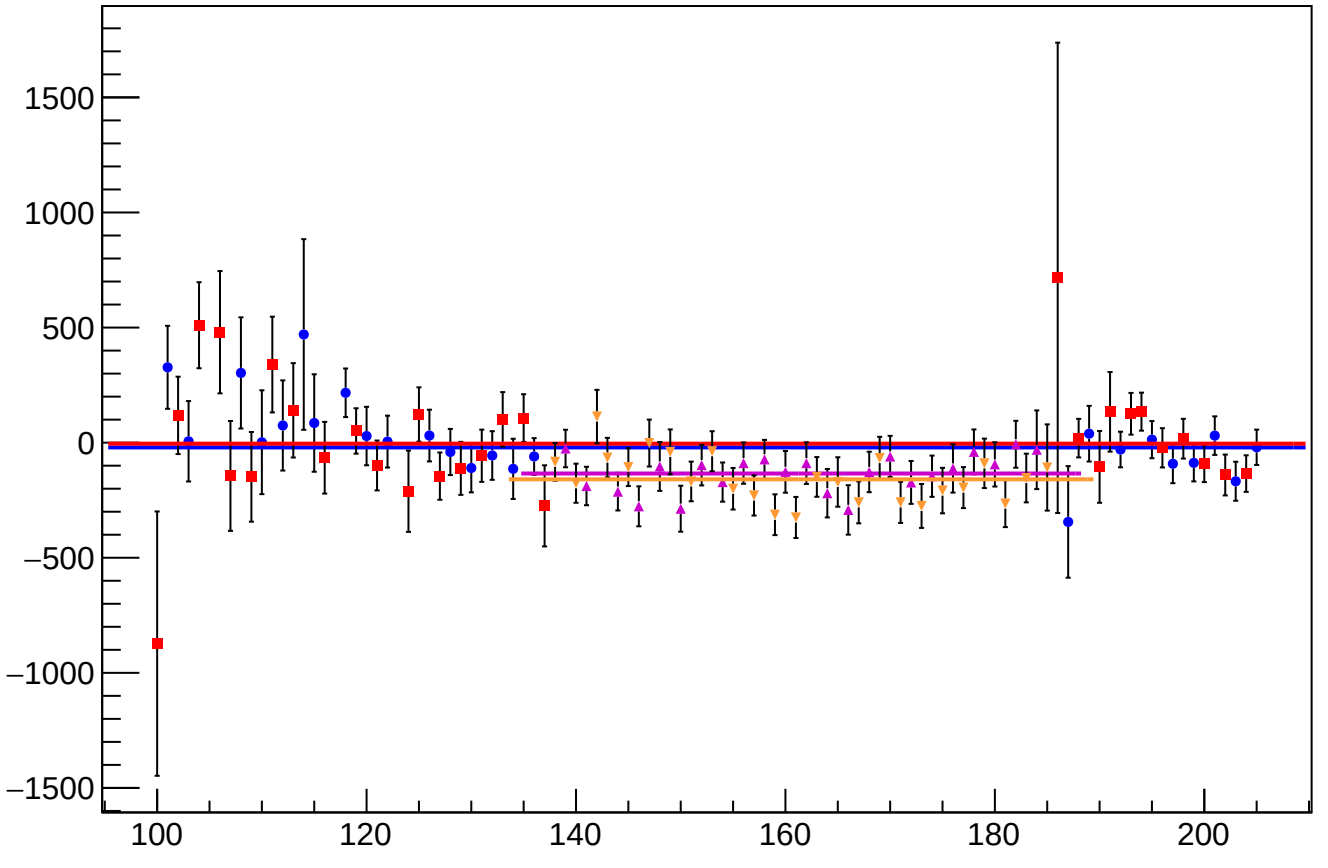
Left: 340.702+/-0.040 χ^2/NDF: 1501615.8/47

Right: 434.132+/-0.060 χ^2/NDF: 5954568.0/54

In: 366.096+/-0.047 χ^2/NDF:4077931.9/47

Out: 372.338+/-0.047 χ^2/NDF:5058649.9/54

All: 369.257+/-0.033 χ^2/NDF: 9145463.6/102



Right In: -20.744+/-21.769 χ^2/NDF: 21.5/24

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -4.383+/-21.584 χ^2/NDF: 41.7/29

Left In: -134.010+/-19.441 χ^2/NDF:16.4/22

Left: -147.073+/-13.496 χ^2/NDF: 45.5/47

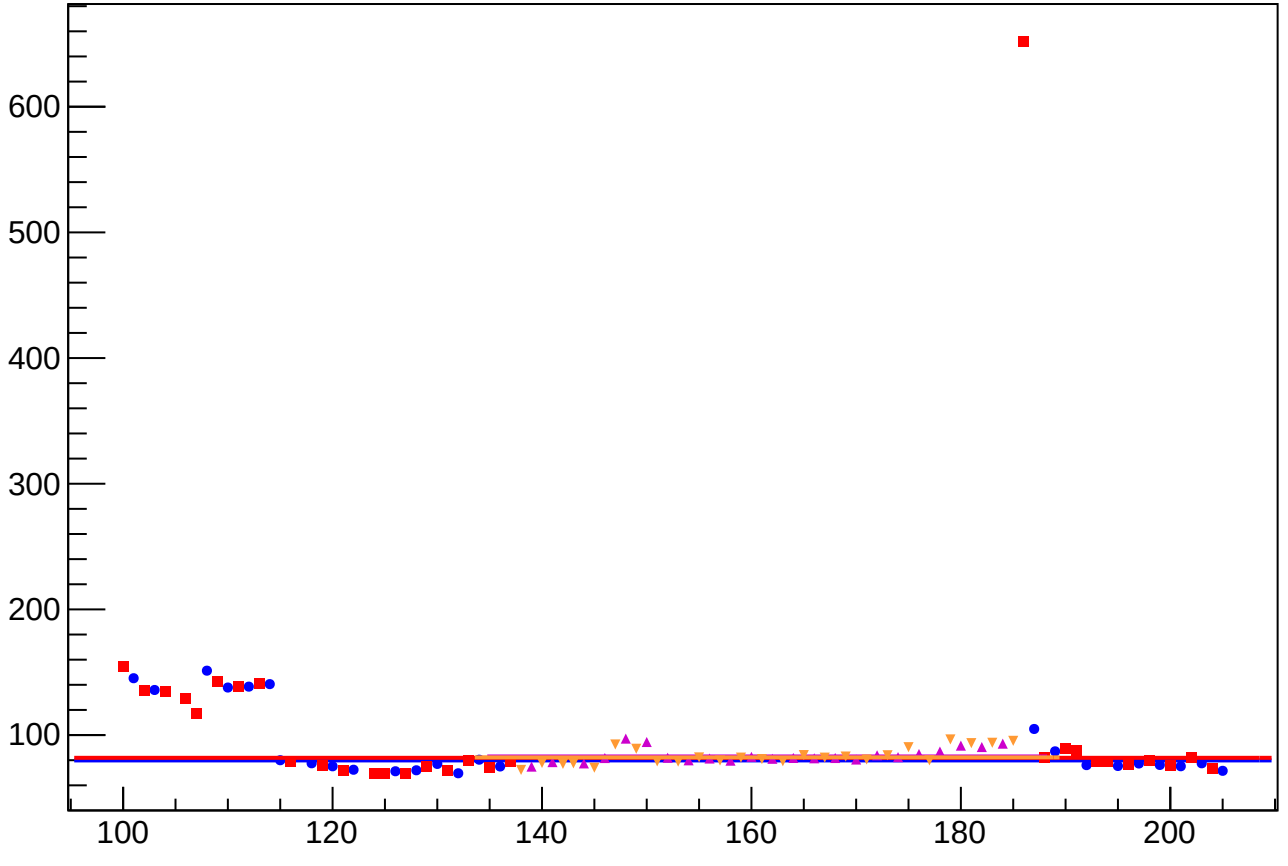
Right: -12.494+/-15.327 χ^2/NDF: 63.5/54

In: -83.754+/-14.500 χ^2/NDF:53.0/47

Out: -92.633+/-14.155 χ^2/NDF:99.2/54

All: -88.301+/-10.129 χ^2/NDF: 152.4/102

eigen_dit_asym_sam1_rms vs Slug, Sign Corrected



Right In: 79.831+/-0.015 χ^2/NDF: 1138568.7/24

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 81.900+/-0.015 χ^2/NDF: 1814556.3/29

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

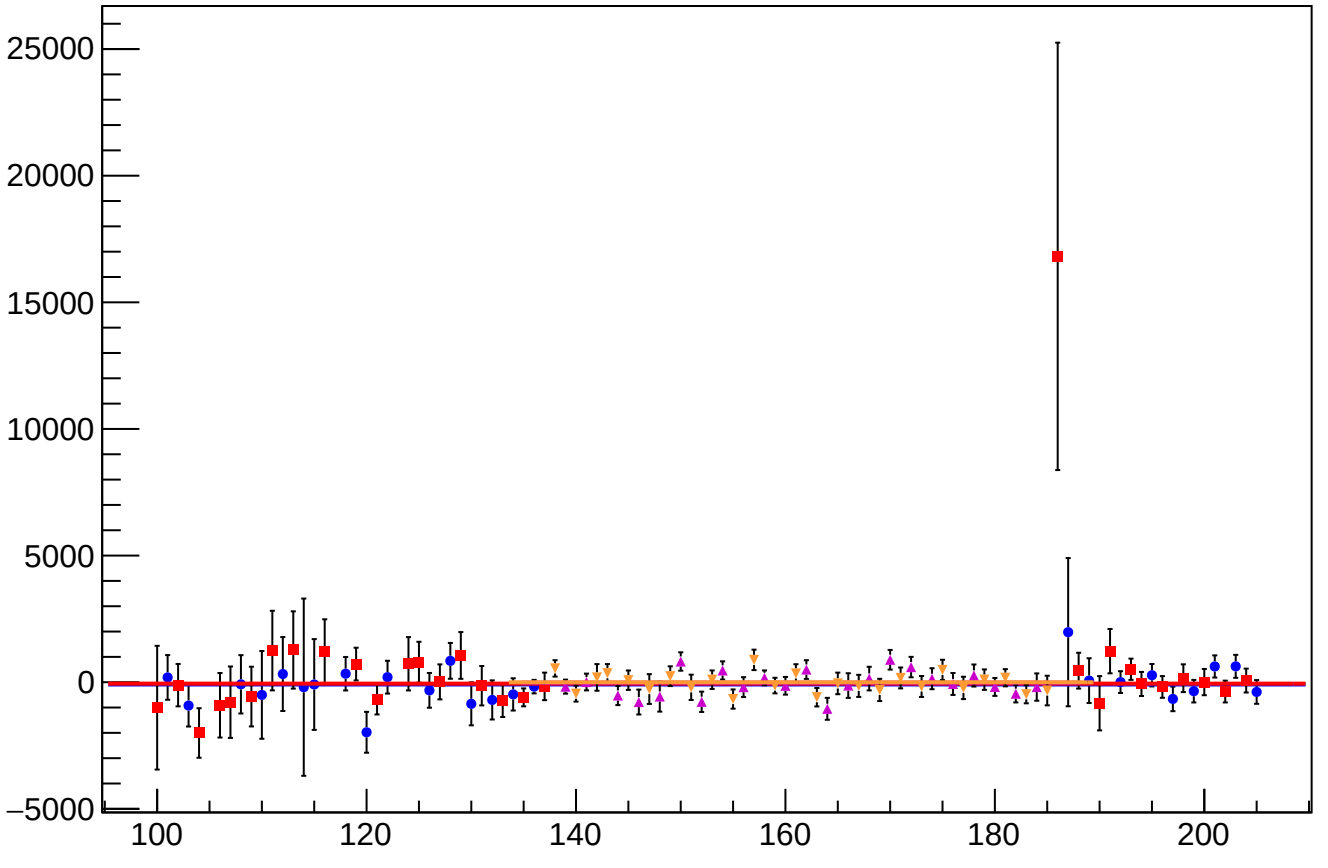
Left: 82.607+/-0.010 χ^2/NDF: 363680.5/47

Right: 80.874+/-0.011 χ^2/NDF: 2962235.5/54

In: 81.590+/-0.010 χ^2/NDF:1307651.0/47

Out: 82.098+/-0.010 χ^2/NDF:2031399.8/54

All: 81.850+/-0.007 χ^2/NDF: 3340307.1/102



Right In: -89.519+/-119.178 χ^2/NDF: 19.6/24

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: -56.624+/-120.432 χ^2/NDF: 26.4/29

Left In: -16.519+/-80.410 χ^2/NDF:34.9/22

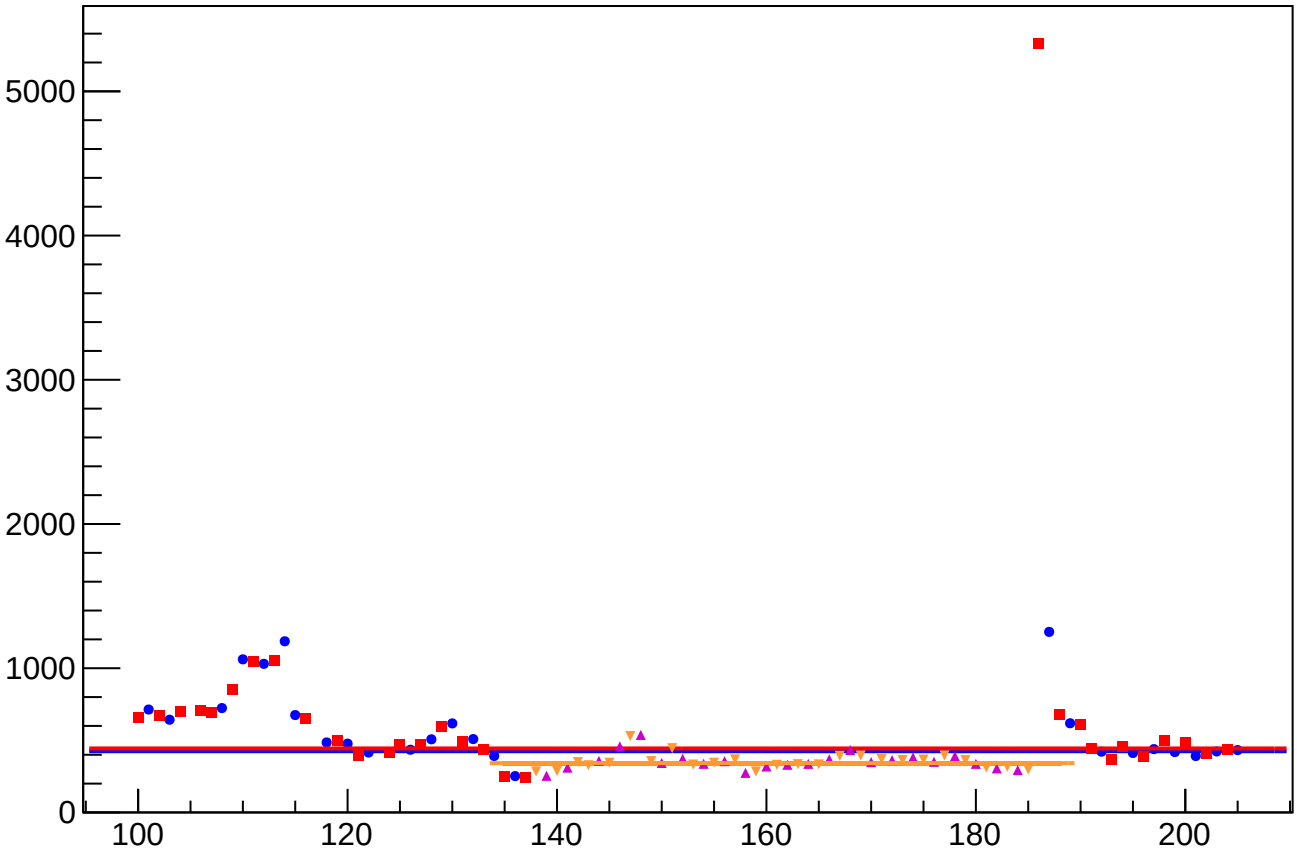
Left: -9.652+/-56.201 χ^2/NDF: 58.4/47

Right: -73.244+/-84.712 χ^2/NDF: 46.1/54

In: -39.355+/-66.657 χ^2/NDF:54.8/47

Out: -19.079+/-65.811 χ^2/NDF:50.1/54

All: -29.087+/-46.832 χ^2/NDF: 104.9/102



Right In: 424.673+/-0.084 χ^2/NDF: 2528095.0/24

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 443.788+/-0.085 χ^2/NDF: 3401031.5/29

Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

Left: 340.702+/-0.040 χ^2/NDF: 1501620.7/47

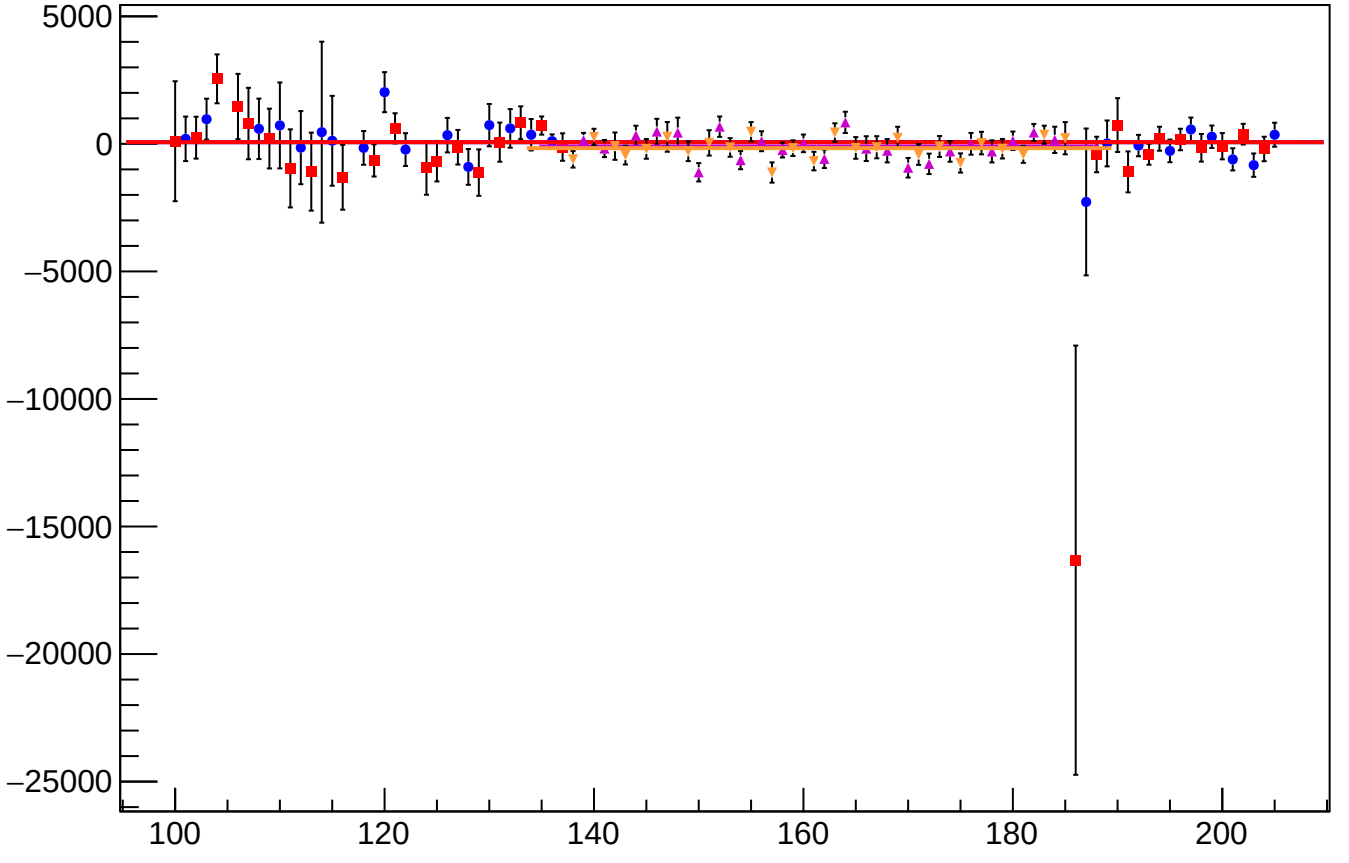
Right: 434.131+/-0.060 χ^2/NDF: 5954581.5/54

In: 366.095+/-0.047 χ^2/NDF:4077929.3/47

Out: 372.338+/-0.047 χ^2/NDF:5058643.3/54

All: 369.256+/-0.033 χ^2/NDF: 9145454.3/102

asym_sam1_mean vs Slug, Sign Corrected



Right In: 66.020+/-118.025 χ^2/NDF: 21.1/24

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: 67.002+/-118.728 χ^2/NDF: 30.4/29

Left In: -104.016+/-79.995 χ^2/NDF:37.5/22

Left: -136.425+/-55.912 χ^2/NDF: 63.4/47

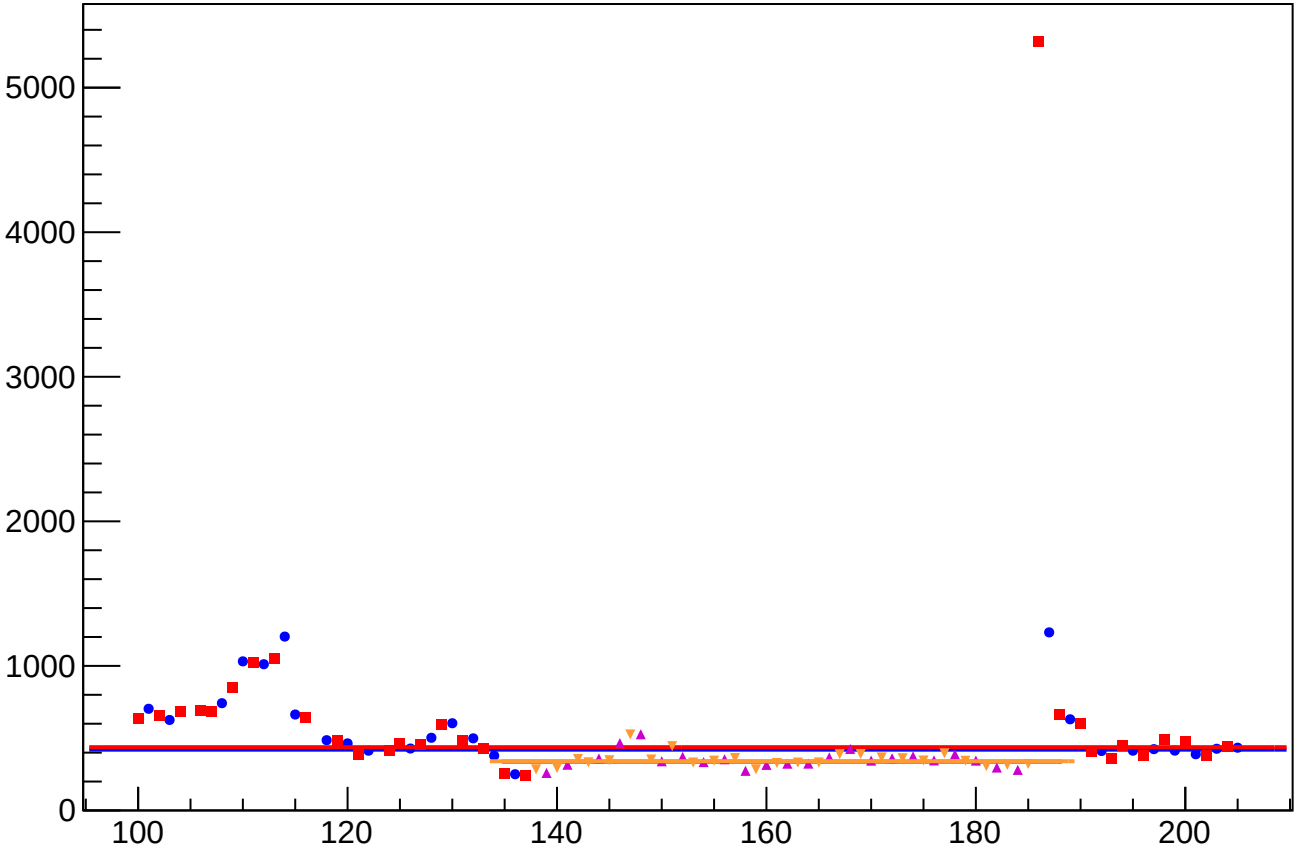
Right: 66.508+/-83.704 χ^2/NDF: 51.5/54

In: -50.491+/-66.218 χ^2/NDF:60.0/47

Out: -96.492+/-65.295 χ^2/NDF:58.7/54

All: -73.814+/-46.493 χ^2/NDF: 118.9/102

asym_sam1_rms vs Slug, Sign Corrected



Right In: 420.668+/-0.083 χ^2/NDF: 2508085.5/24

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 437.687+/-0.084 χ^2/NDF: 3360268.4/29

Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

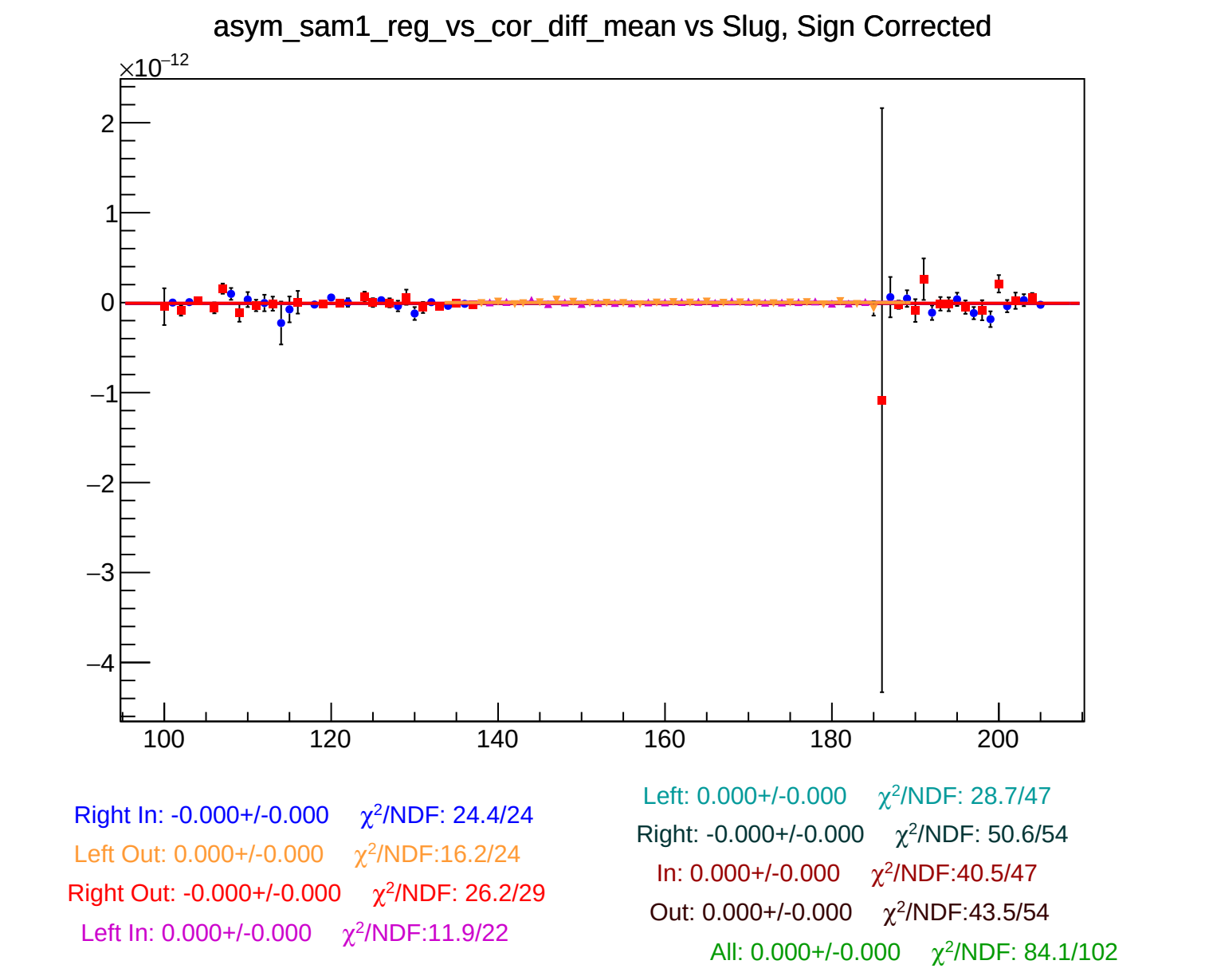
Left: 339.105+/-0.040 χ^2/NDF: 1425937.5/47

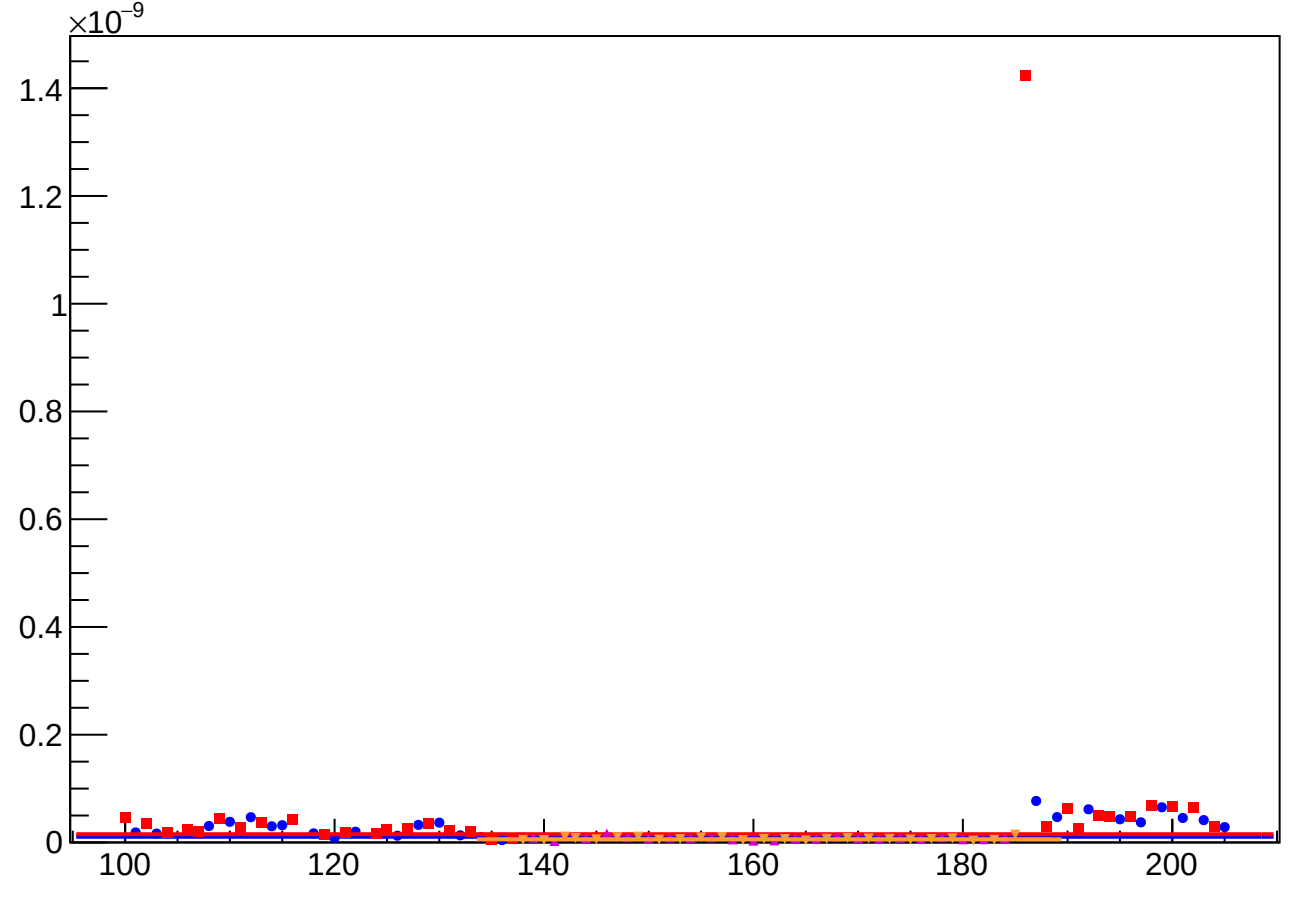
Right: 429.127+/-0.059 χ^2/NDF: 5889025.3/54

In: 363.857+/-0.047 χ^2/NDF:4005022.0/47

Out: 369.818+/-0.046 χ^2/NDF:4901322.1/54

All: 366.880+/-0.033 χ^2/NDF: 8914561.8/102


asym_sam1_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.4/24
Left Out: 0.000+/-0.000 χ²/NDF:16.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 26.2/29
Left In: 0.000+/-0.000 χ²/NDF:11.9/22
Left: 0.000+/-0.000 χ²/NDF: 28.7/47
Right: -0.000+/-0.000 χ²/NDF: 50.6/54
In: 0.000+/-0.000 χ²/NDF:40.5/47
Out: 0.000+/-0.000 χ²/NDF:43.5/54
All: 0.000+/-0.000 χ²/NDF: 84.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 7035434.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6973505.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

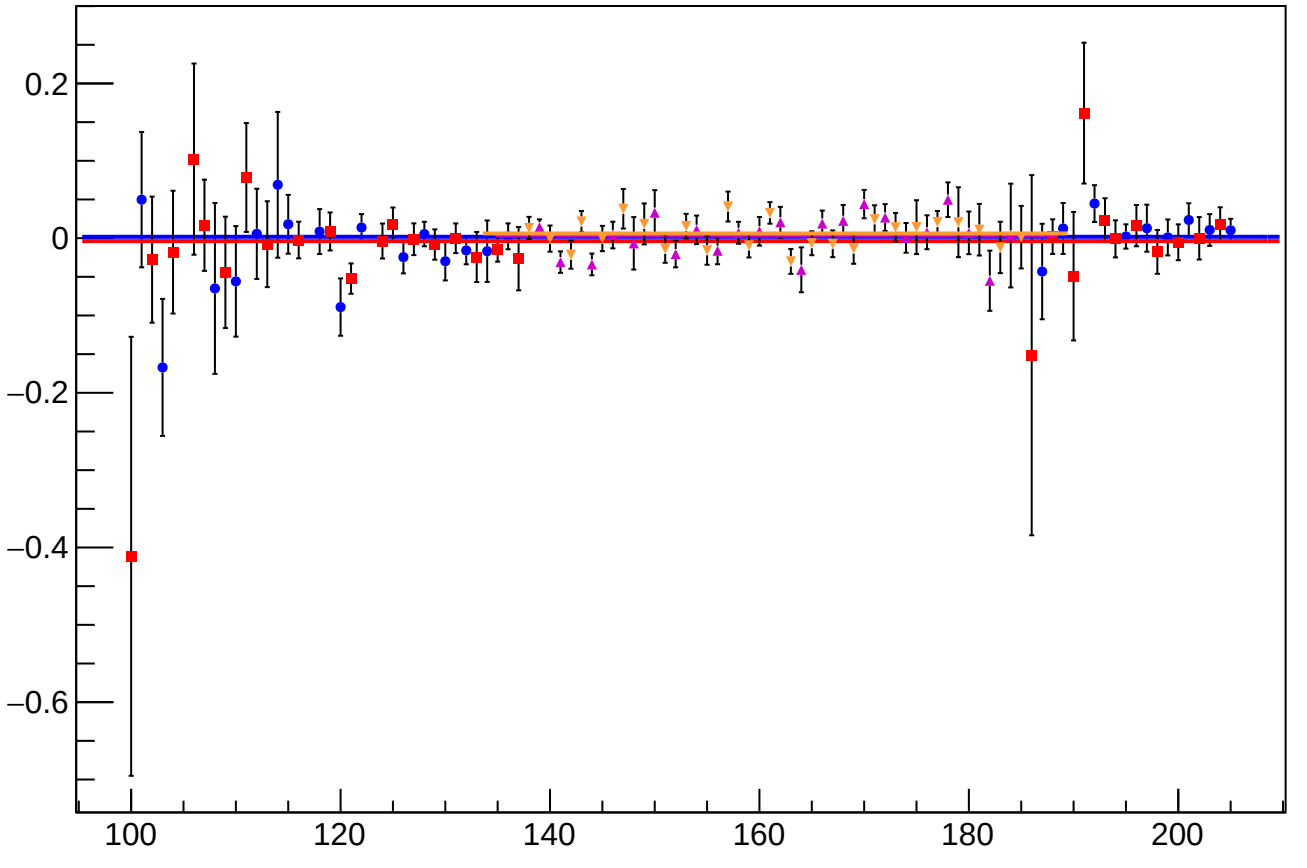
Left: 0.000+/-0.000 χ^2/NDF: 3156838.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14481923.6/54

In: 0.000+/-0.000 χ^2/NDF:9889879.6/47

Out: 0.000+/-0.000 χ^2/NDF:10914102.9/54

All: 0.000+/-0.000 χ^2/NDF: 20822994.5/102



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/29

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

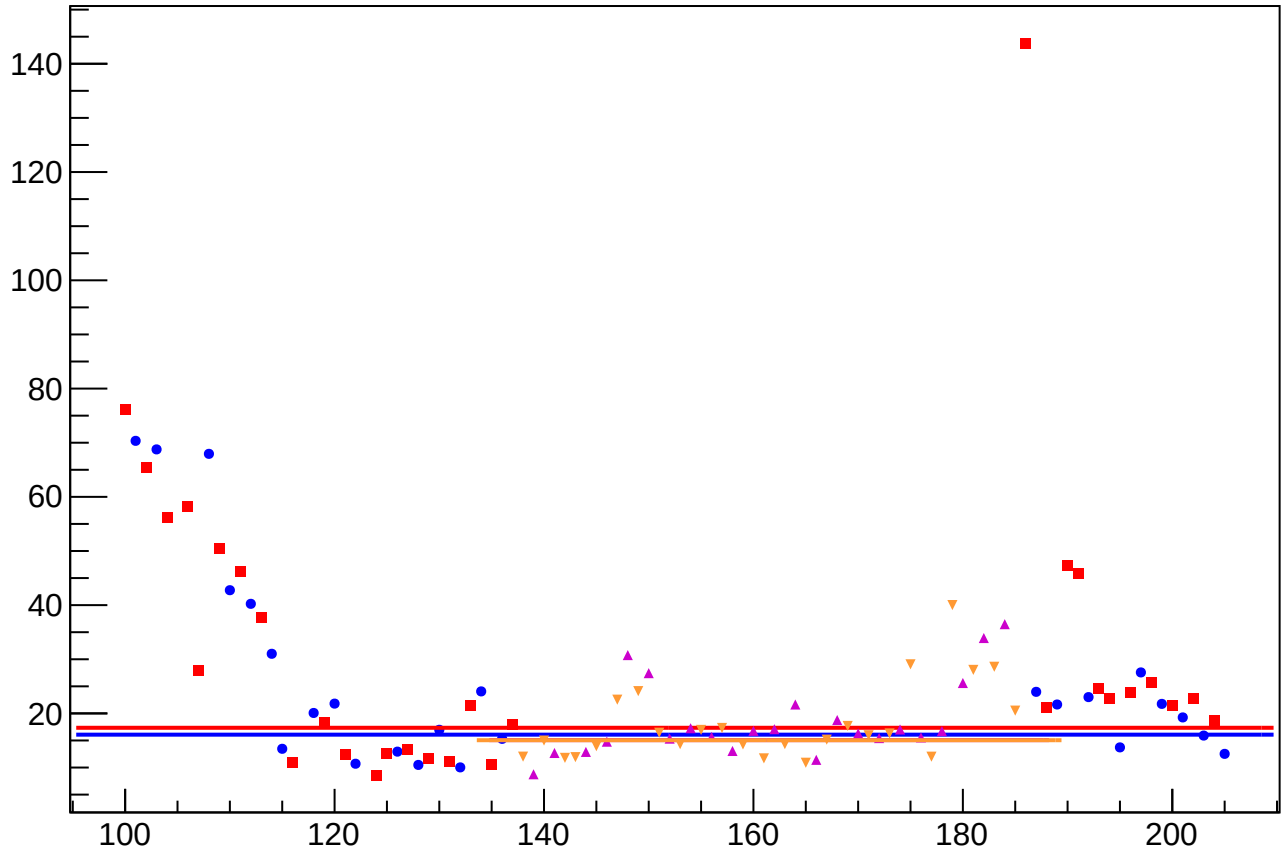
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.001+/-0.004 χ^2/NDF: 42.9/54

In: 0.003+/-0.003 χ^2/NDF:59.4/47

Out: 0.003+/-0.003 χ^2/NDF:49.2/54

All: 0.003+/-0.002 χ^2/NDF: 108.6/102



Right In: 16.073+/-0.003 χ^2/NDF: 4355257.1/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853240.7/29

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

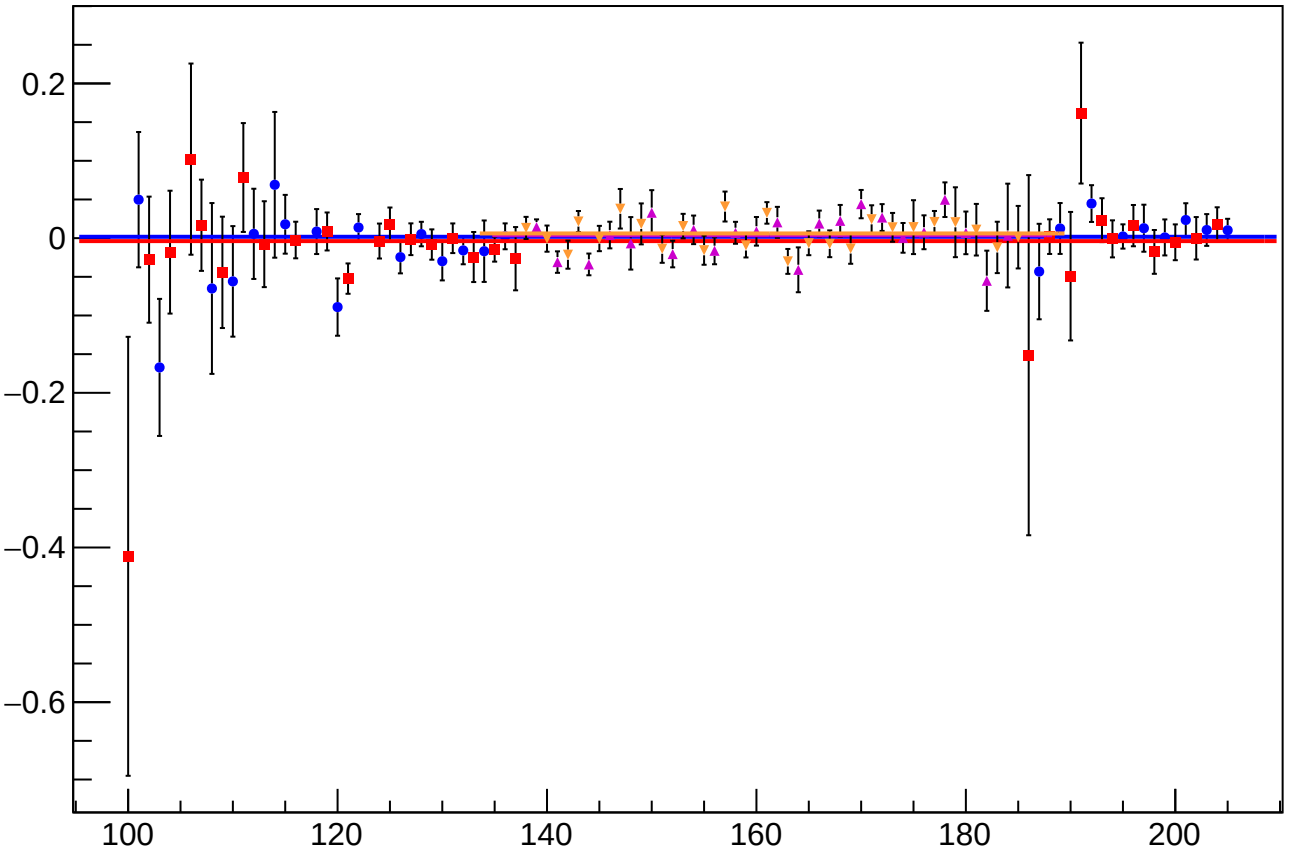
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.682+/-0.003 χ^2/NDF: 10272136.1/54

In: 15.446+/-0.002 χ^2/NDF:7473642.9/47

Out: 15.824+/-0.002 χ^2/NDF:8875305.3/54

All: 15.637+/-0.002 χ^2/NDF: 16364706.6/102



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/29

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

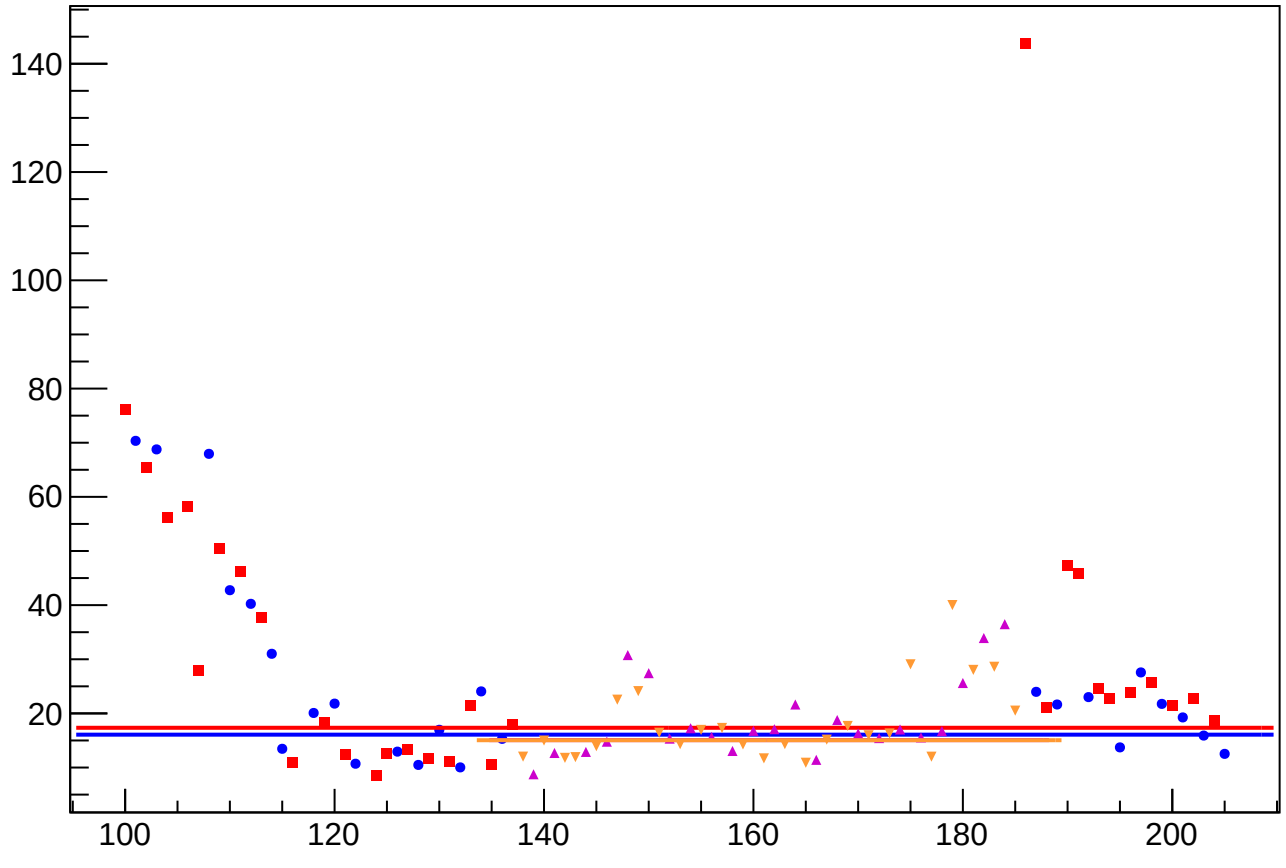
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.001+/-0.004 χ^2/NDF: 42.9/54

In: 0.003+/-0.003 χ^2/NDF:59.4/47

Out: 0.003+/-0.003 χ^2/NDF:49.2/54

All: 0.003+/-0.002 χ^2/NDF: 108.6/102



Right In: 16.073+/-0.003 χ^2/NDF: 4355257.1/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853240.7/29

Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

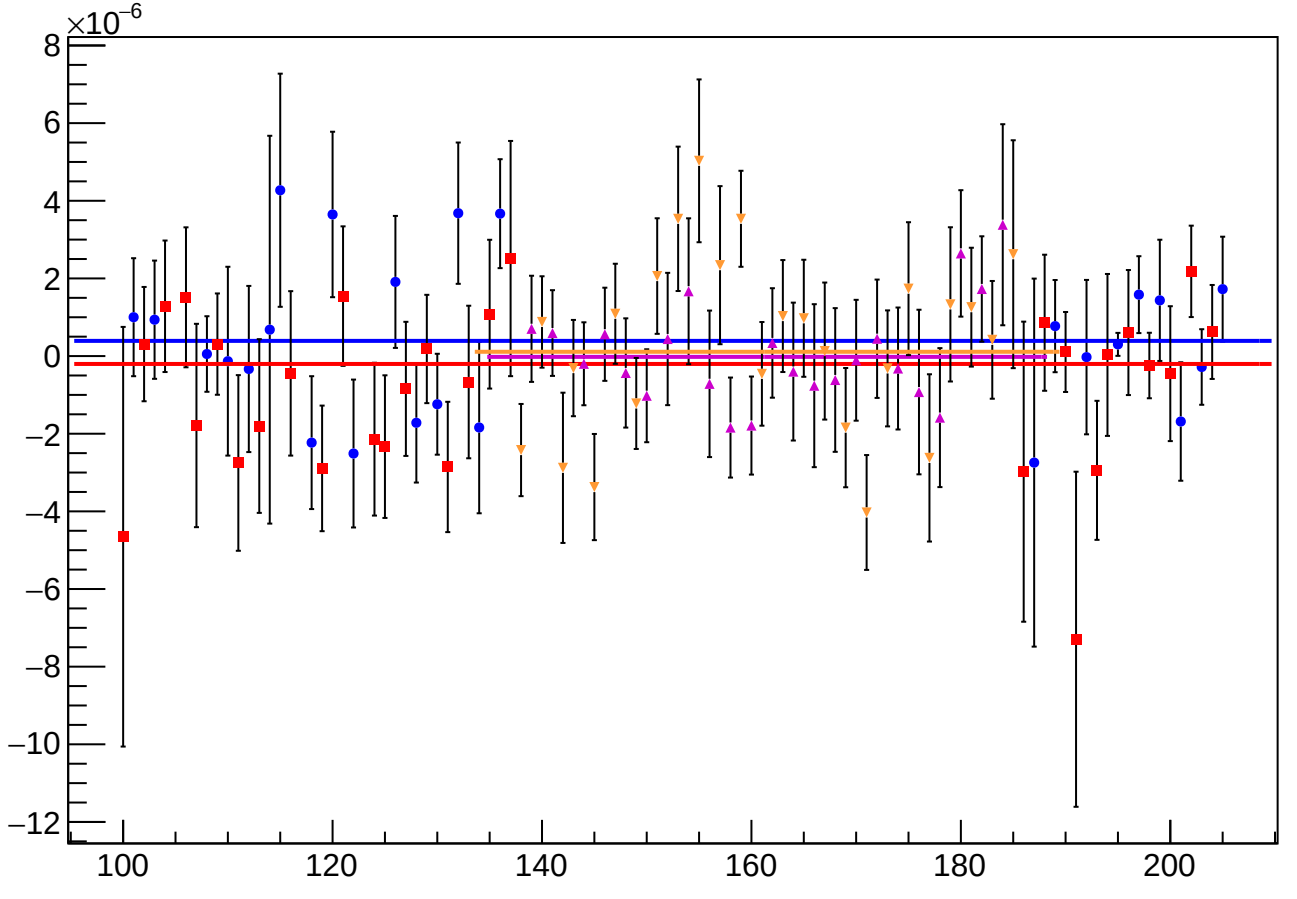
Left: 15.057+/-0.002 χ^2/NDF: 5824699.0/47

Right: 16.682+/-0.003 χ^2/NDF: 10272136.1/54

In: 15.446+/-0.002 χ^2/NDF:7473642.9/47

Out: 15.824+/-0.002 χ^2/NDF:8875305.3/54

All: 15.637+/-0.002 χ^2/NDF: 16364706.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/29

Left In: -0.000+/-0.000 χ^2/NDF:14.1/22

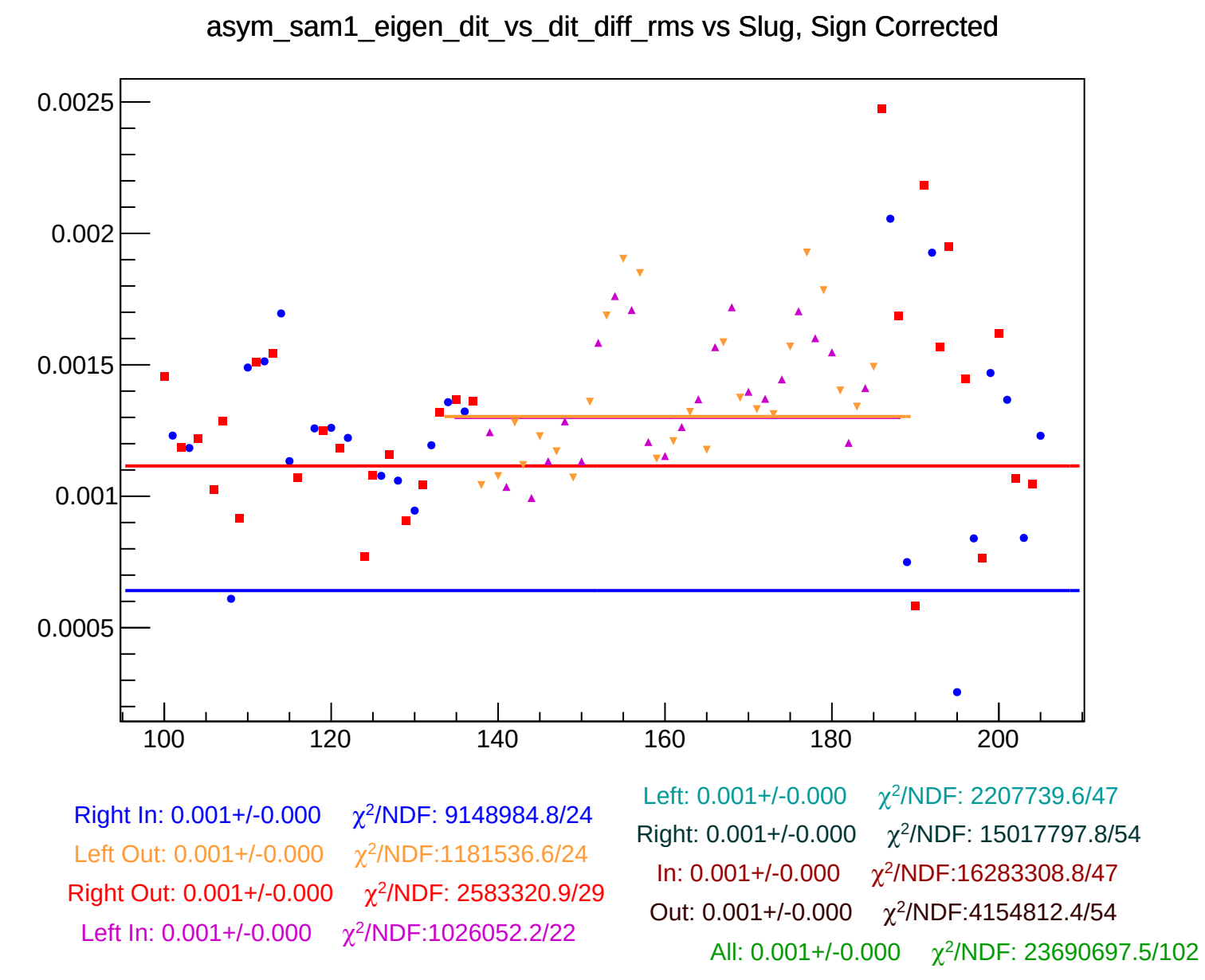
Left: 0.000+/-0.000 χ^2/NDF: 64.2/47

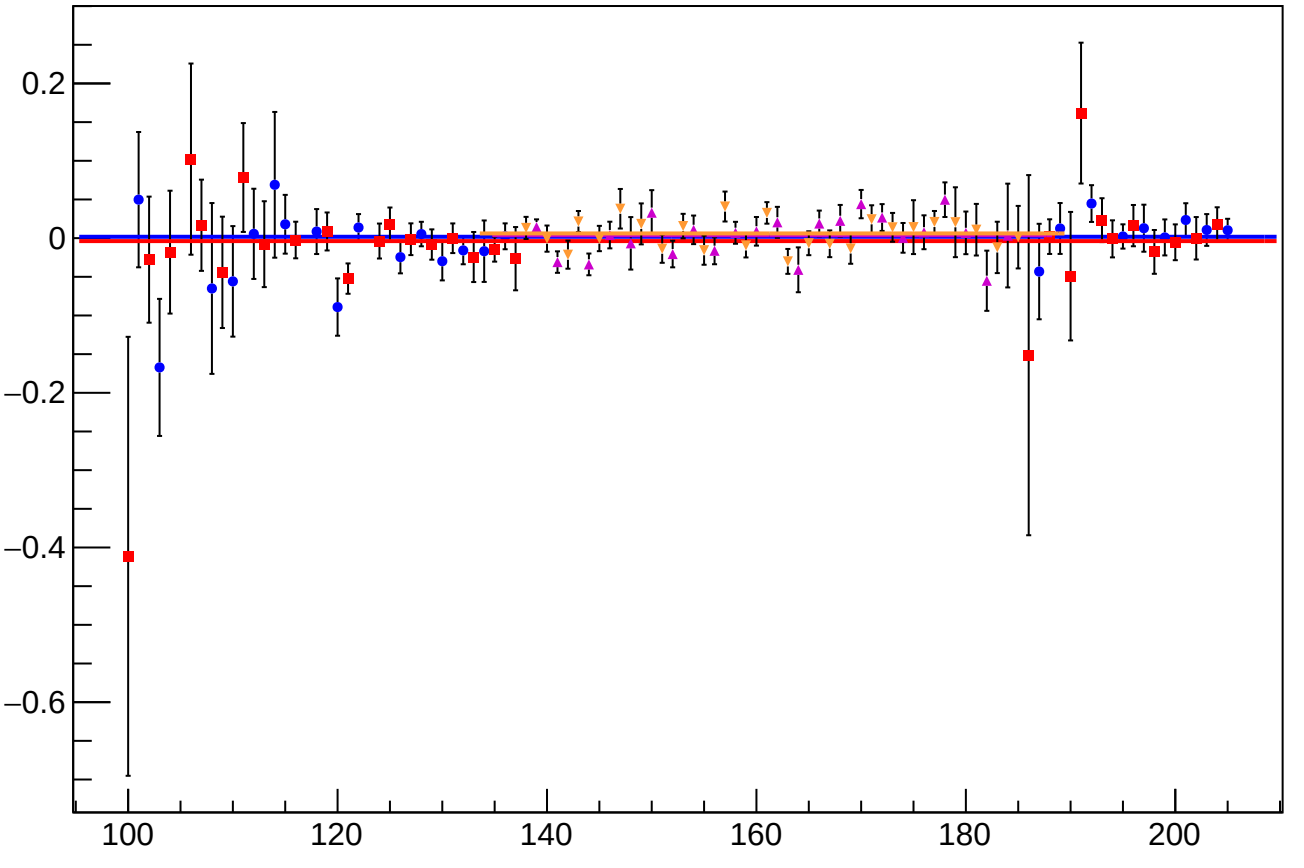
Right: 0.000+/-0.000 χ^2/NDF: 57.4/54

In: 0.000+/-0.000 χ^2/NDF:44.4/47

Out: -0.000+/-0.000 χ^2/NDF:76.2/54

All: 0.000+/-0.000 χ^2/NDF: 121.9/102


asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 9148984.8/24
Left Out: 0.001+/-0.000 χ²/NDF:1181536.6/24
Right Out: 0.001+/-0.000 χ²/NDF: 2583320.9/29
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: 15017797.8/54
In: 0.001+/-0.000 χ²/NDF:16283308.8/47
Out: 0.001+/-0.000 χ²/NDF:4154812.4/54
All: 0.001+/-0.000 χ²/NDF: 23690697.5/102



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/29

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

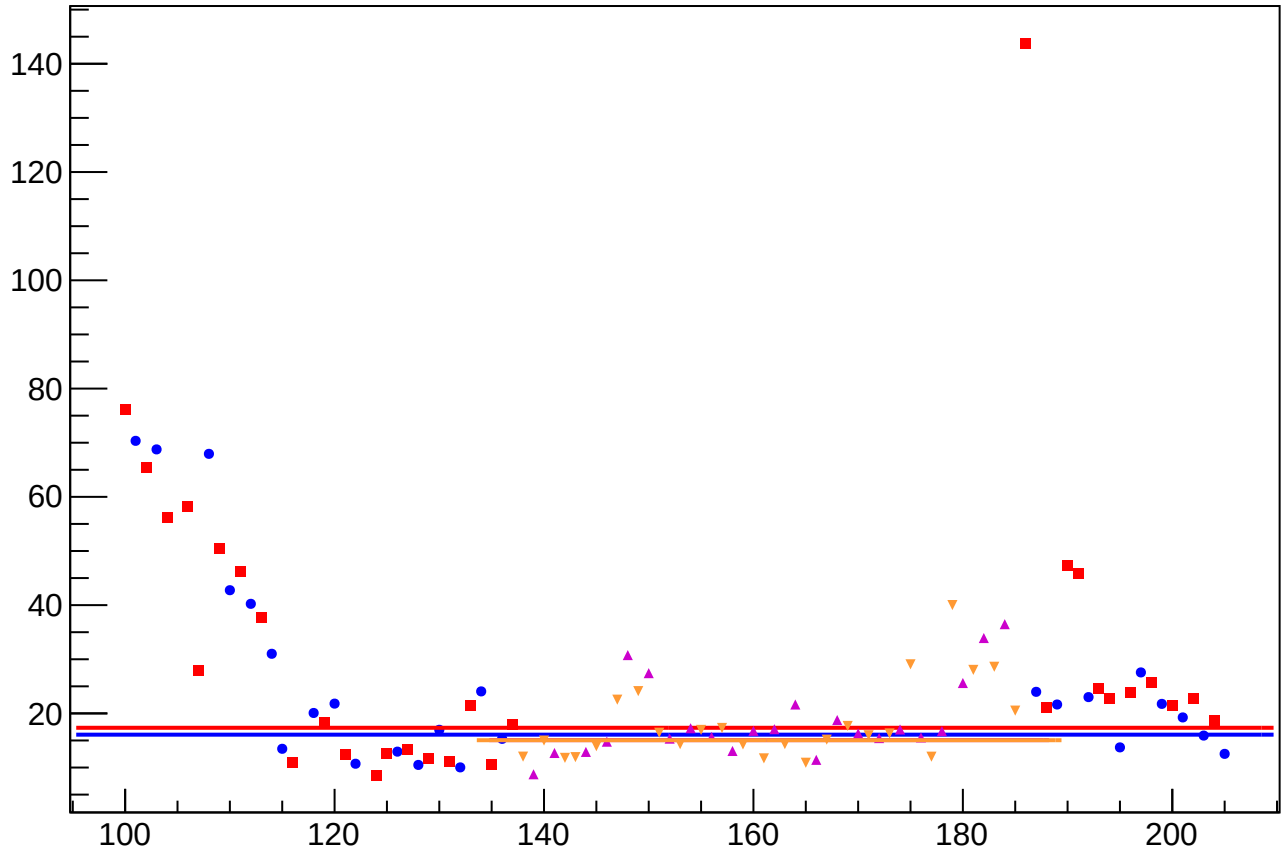
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.001+/-0.004 χ^2/NDF: 42.9/54

In: 0.003+/-0.003 χ^2/NDF:59.4/47

Out: 0.003+/-0.003 χ^2/NDF:49.2/54

All: 0.003+/-0.002 χ^2/NDF: 108.6/102



Right In: 16.073+/-0.003 χ^2/NDF: 4355264.4/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853173.7/29

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

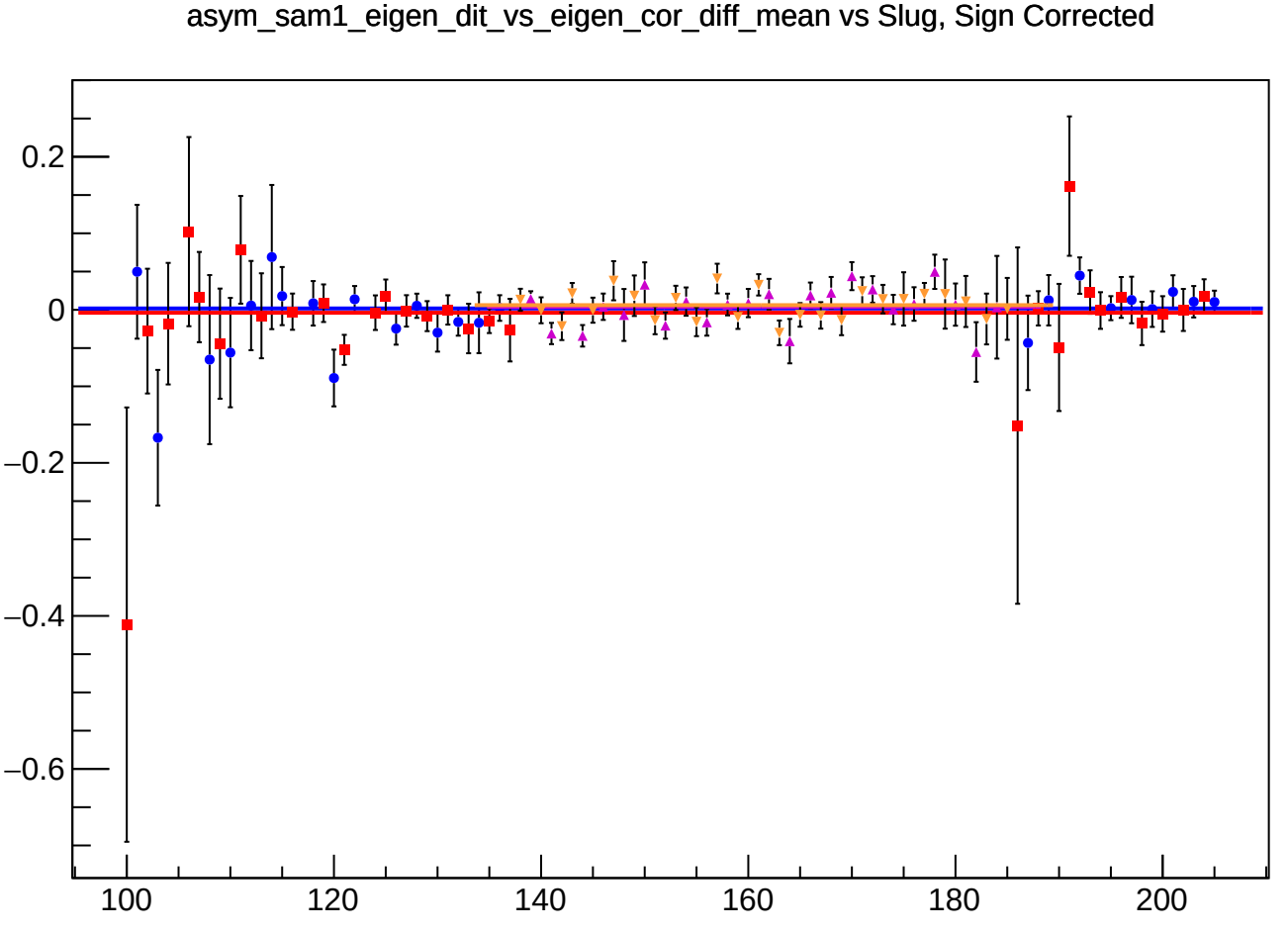
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.682+/-0.003 χ^2/NDF: 10272088.2/54

In: 15.446+/-0.002 χ^2/NDF:7473682.7/47

Out: 15.824+/-0.002 χ^2/NDF:8875463.8/54

All: 15.637+/-0.002 χ^2/NDF: 16364904.6/102



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: -0.004+/-0.005 χ^2/NDF: 20.1/29

Left In: 0.004+/-0.004 χ^2/NDF:37.1/22

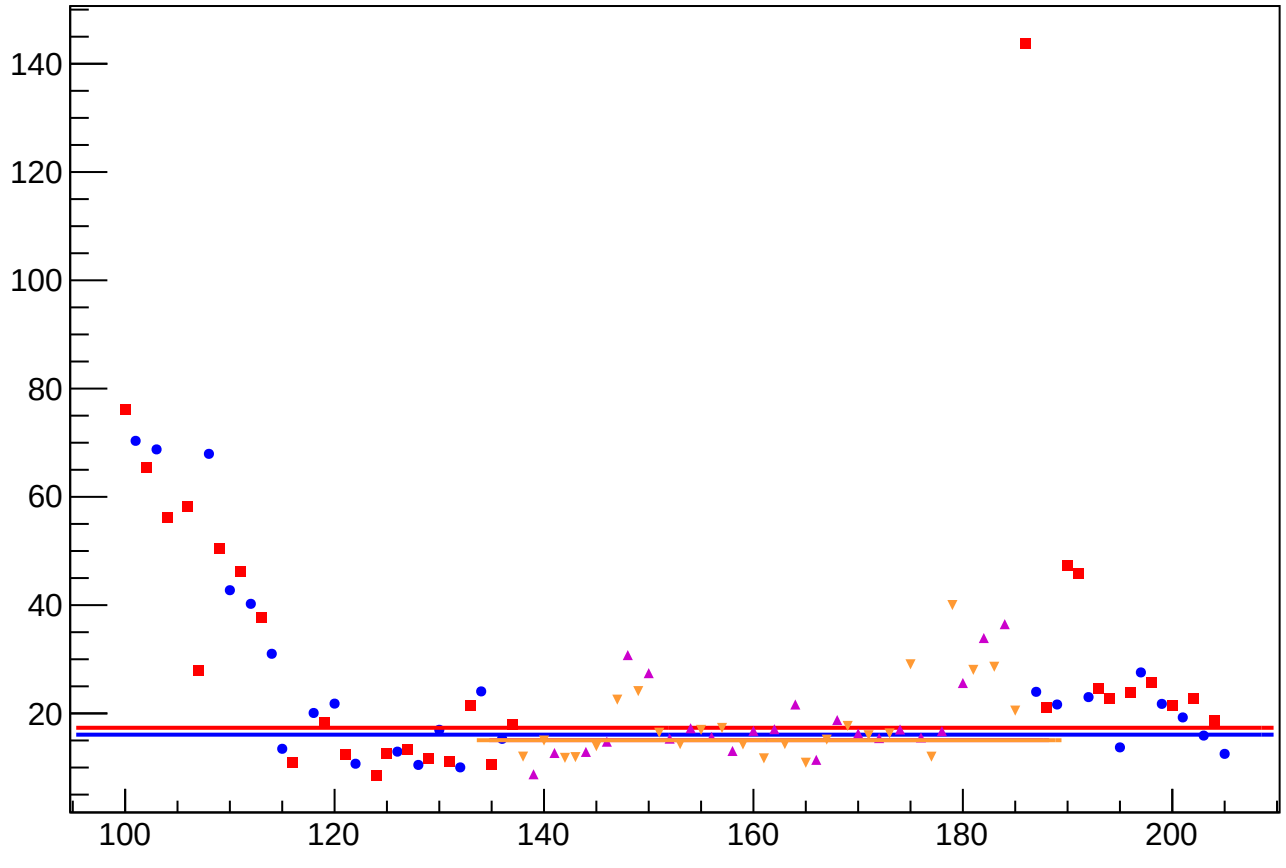
Left: 0.005+/-0.003 χ^2/NDF: 64.0/47

Right: -0.001+/-0.004 χ^2/NDF: 42.9/54

In: 0.003+/-0.003 χ^2/NDF:59.4/47

Out: 0.003+/-0.003 χ^2/NDF:49.2/54

All: 0.003+/-0.002 χ^2/NDF: 108.6/102



Right In: 16.073+/-0.003 χ^2/NDF: 4355264.4/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

Right Out: 17.345+/-0.004 χ^2/NDF: 5853173.7/29

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

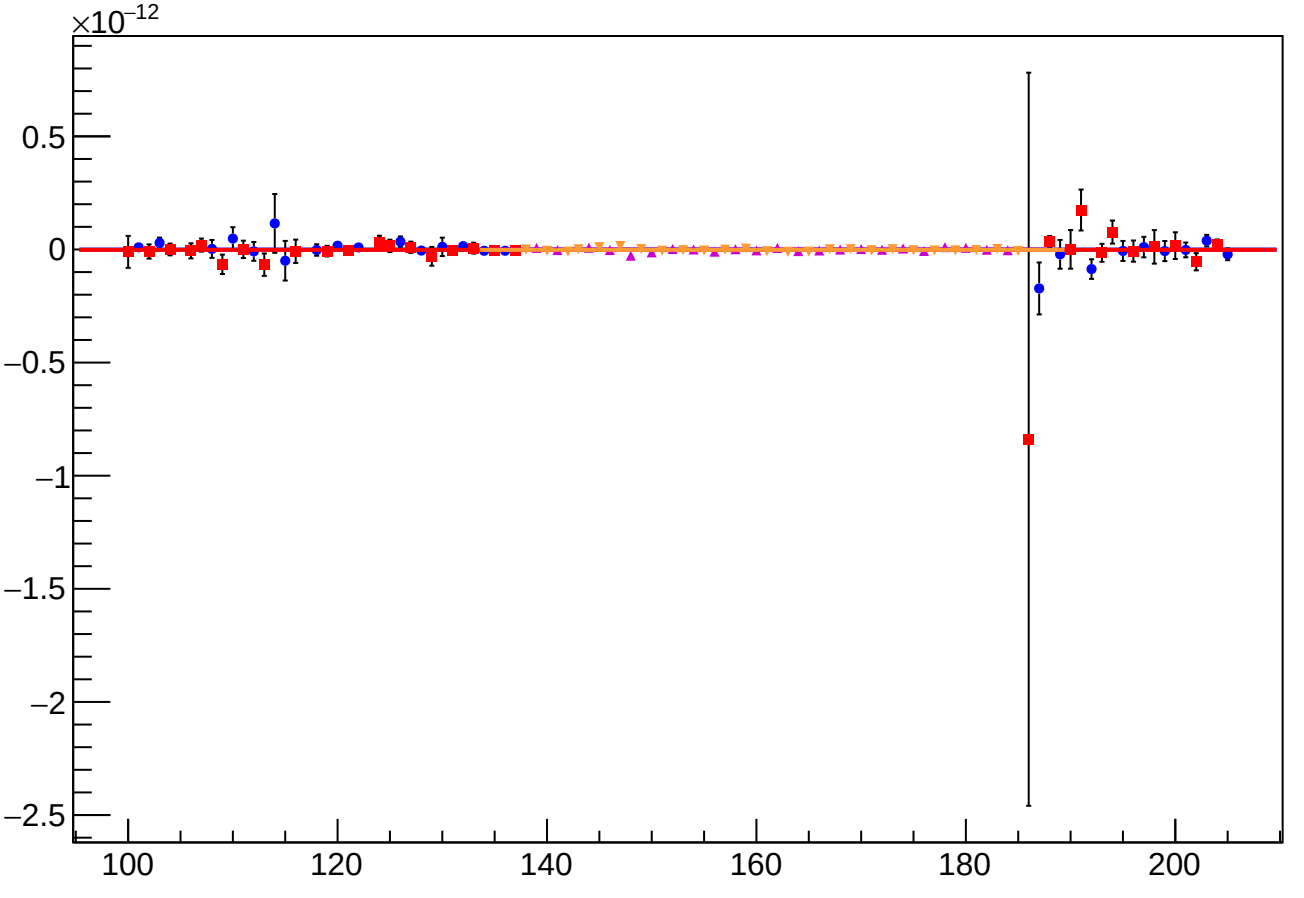
Left: 15.056+/-0.002 χ^2/NDF: 5824952.7/47

Right: 16.682+/-0.003 χ^2/NDF: 10272088.2/54

In: 15.446+/-0.002 χ^2/NDF:7473682.7/47

Out: 15.824+/-0.002 χ^2/NDF:8875463.8/54

All: 15.637+/-0.002 χ^2/NDF: 16364904.6/102



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.4/29

Left In: -0.000+/-0.000 χ^2/NDF:21.3/22

Left: -0.000+/-0.000 χ^2/NDF: 36.9/47

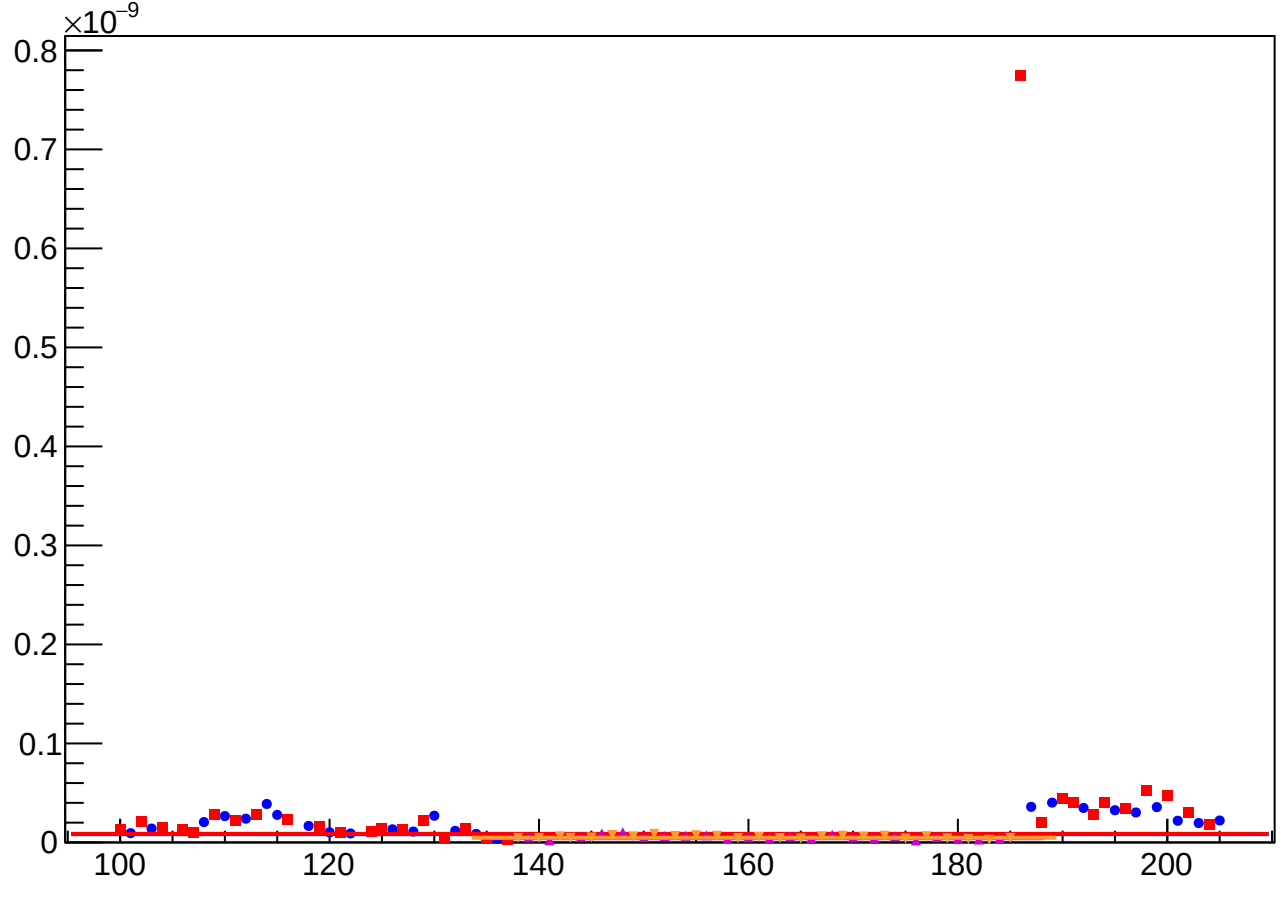
Right: -0.000+/-0.000 χ^2/NDF: 37.2/54

In: -0.000+/-0.000 χ^2/NDF:40.1/47

Out: -0.000+/-0.000 χ^2/NDF:33.6/54

All: -0.000+/-0.000 χ^2/NDF: 74.2/102

asym_sam1_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 8322113.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10515868.1/29

Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

Left: 0.000+/-0.000 χ^2/NDF: 5756687.2/47

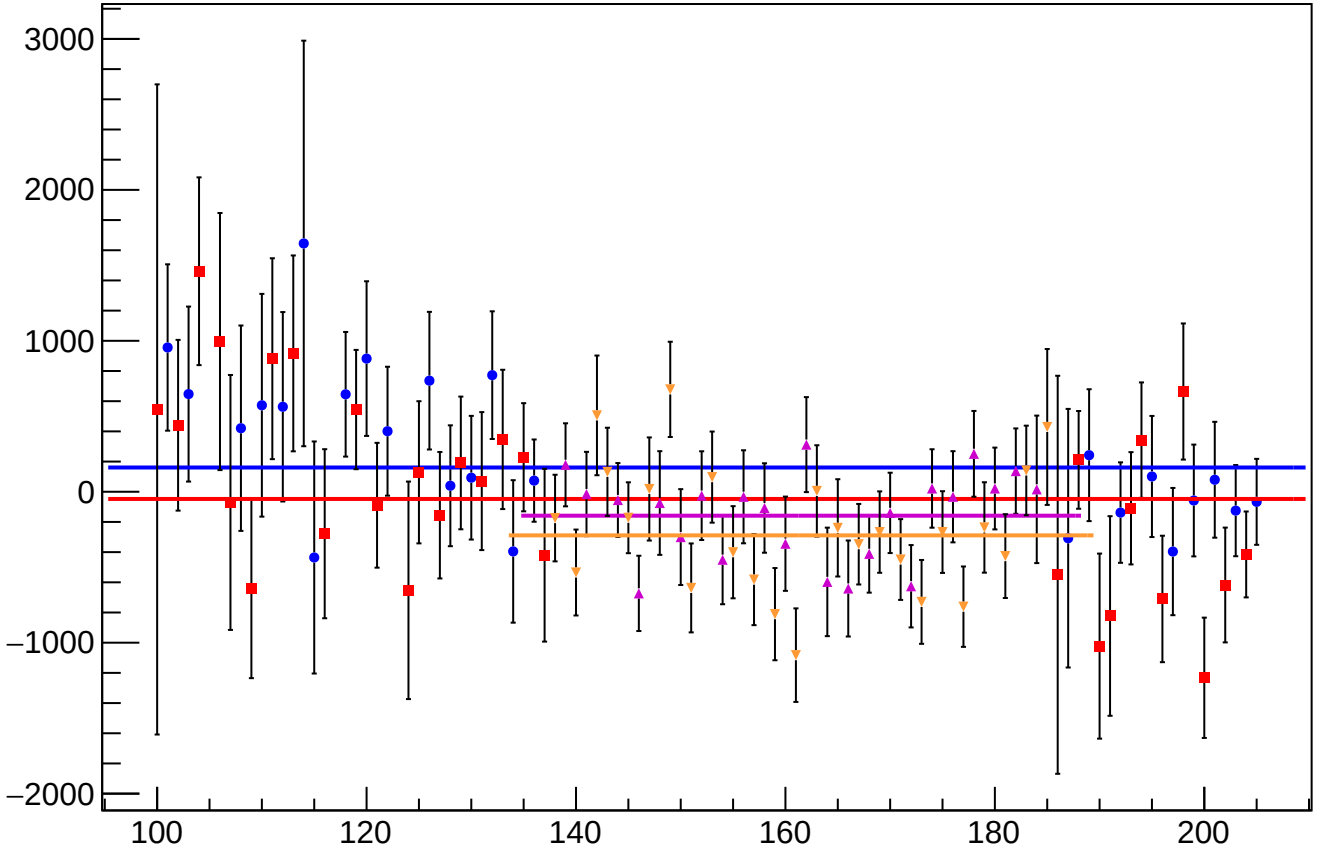
Right: 0.000+/-0.000 χ^2/NDF: 18843248.6/54

In: 0.000+/-0.000 χ^2/NDF:14130832.2/47

Out: 0.000+/-0.000 χ^2/NDF:14517206.1/54

All: 0.000+/-0.000 χ^2/NDF: 28778622.4/102

reg_asym_sam2_mean vs Slug, Sign Corrected



Right In: 160.682+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -47.721+/-86.216 χ^2/NDF: 42.3/29

Left In: -158.601+/-60.708 χ^2/NDF:22.5/22

Left: -225.582+/-42.323 χ^2/NDF: 67.3/47

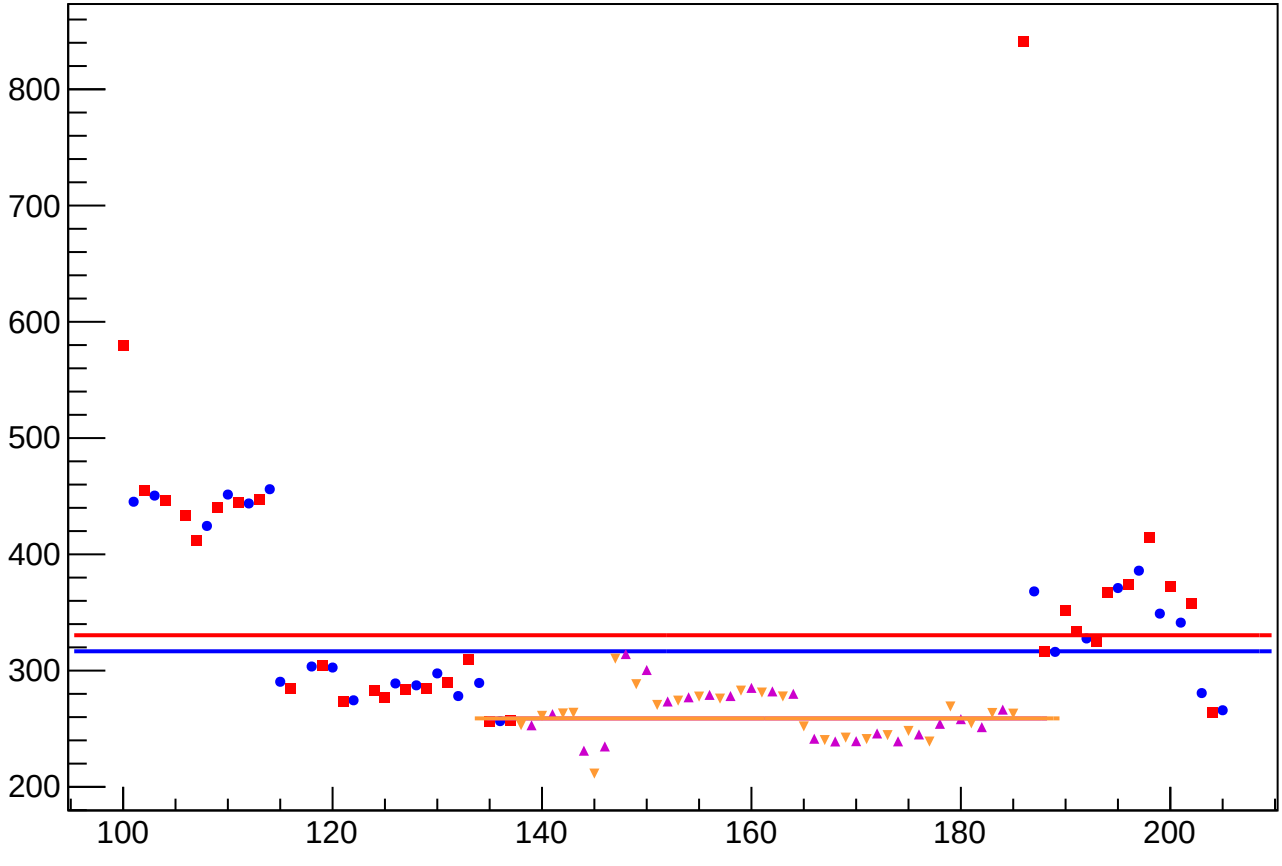
Right: 56.901+/-60.840 χ^2/NDF: 64.5/54

In: -52.198+/-49.570 χ^2/NDF:51.0/47

Out: -211.932+/-48.710 χ^2/NDF:90.0/54

All: -133.463+/-34.743 χ^2/NDF: 146.3/102

reg_asym_sam2_rms vs Slug, Sign Corrected



Right In: 316.624+/-0.061 χ^2/NDF: 820022.2/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.426+/-0.061 χ^2/NDF: 1270428.3/29

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

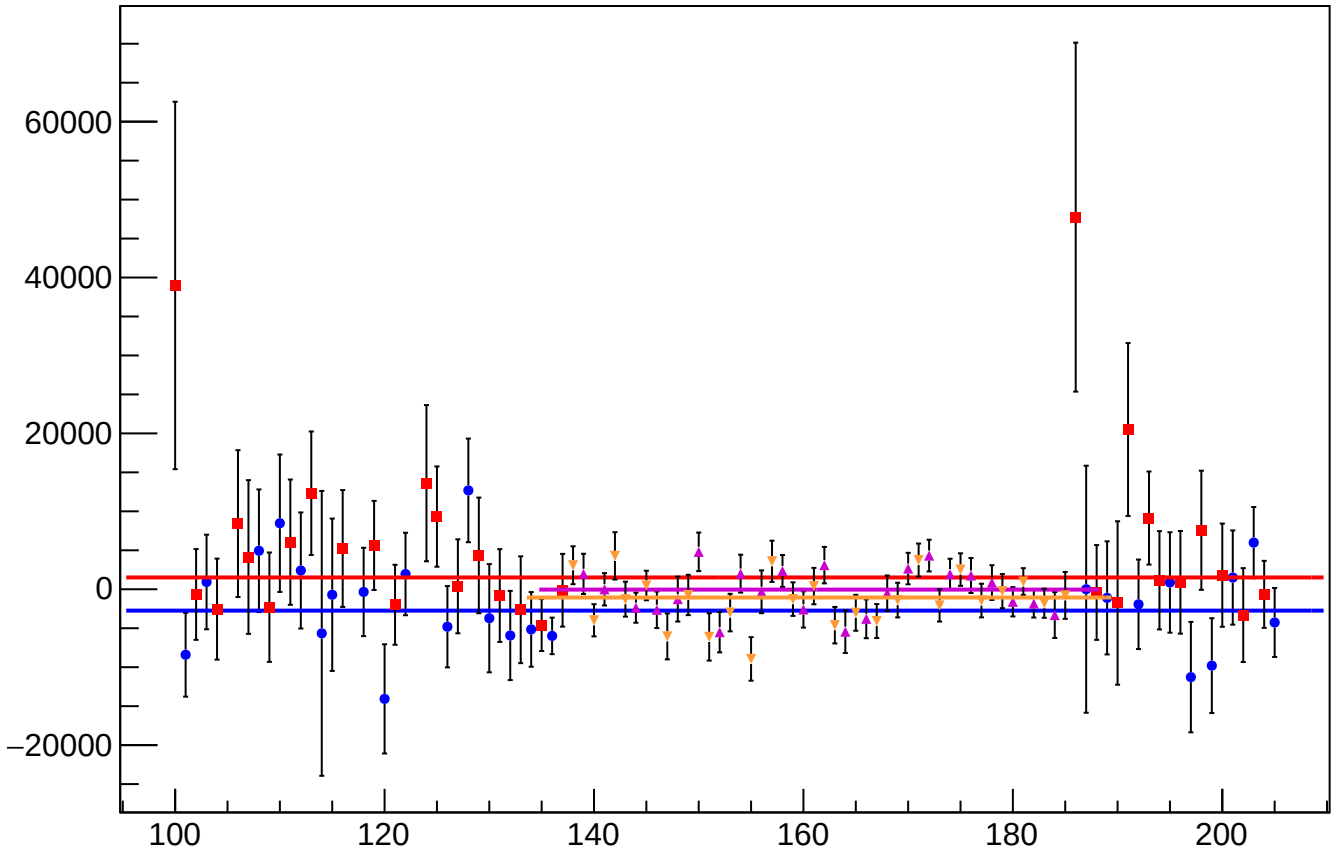
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 323.497+/-0.043 χ^2/NDF: 2116178.6/54

In: 278.099+/-0.035 χ^2/NDF:1668783.5/47

Out: 281.739+/-0.034 χ^2/NDF:2455982.8/54

All: 279.951+/-0.025 χ^2/NDF: 4130253.3/102



Right In: -2740.796+/-1120.590 χ^2/NDF: 23.7/24

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: 1514.107+/-1175.122 χ^2/NDF: 25.0/29

Left In: -44.352+/-470.700 χ^2/NDF:34.2/22

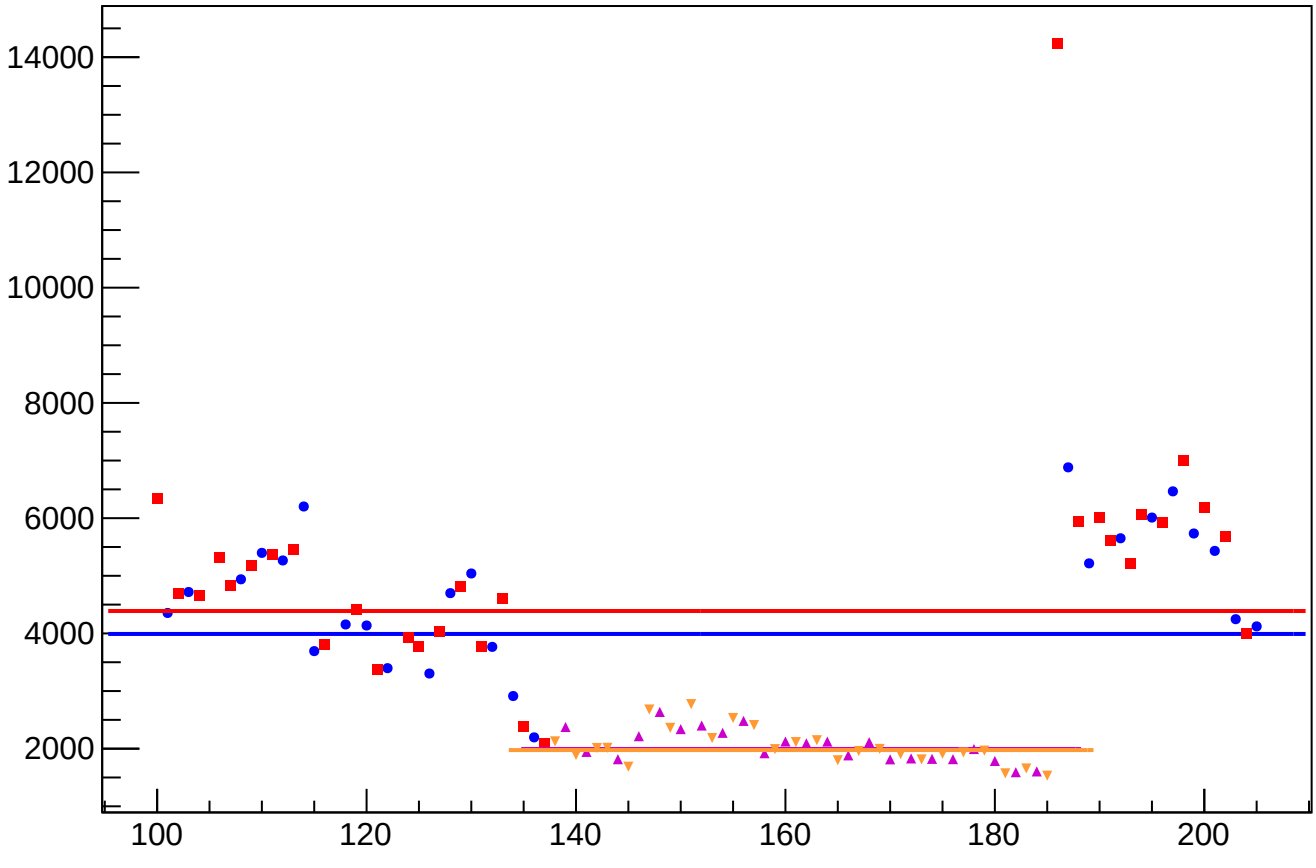
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -714.357+/-810.970 χ^2/NDF: 55.6/54

In: -448.757+/-433.970 χ^2/NDF:62.8/47

Out: -724.179+/-424.023 χ^2/NDF:70.7/54

All: -589.661+/-303.285 χ^2/NDF: 133.7/102



Right In: 3990.900+/-0.792 χ^2/NDF: 2632161.8/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4389.113+/-0.831 χ^2/NDF: 2866972.9/29

Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364971.8/47

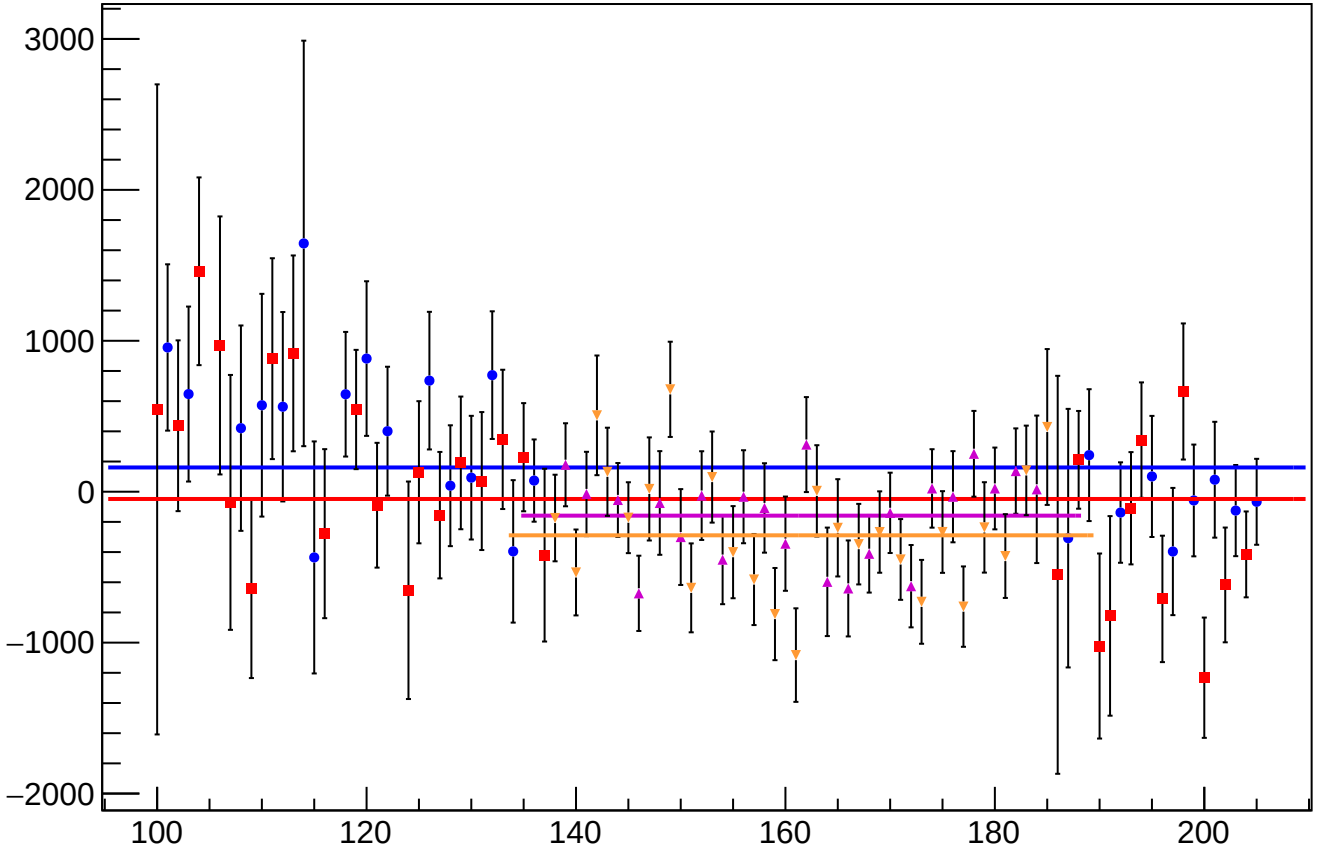
Right: 4180.553+/-0.573 χ^2/NDF: 5619419.3/54

In: 2294.136+/-0.307 χ^2/NDF:8626631.9/47

Out: 2290.160+/-0.300 χ^2/NDF:10966152.6/54

All: 2292.102+/-0.214 χ^2/NDF: 19592870.4/1

cor_asym_sam2_mean vs Slug, Sign Corrected



Right In: 160.662+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -48.164+/-86.220 χ^2/NDF: 42.2/29

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

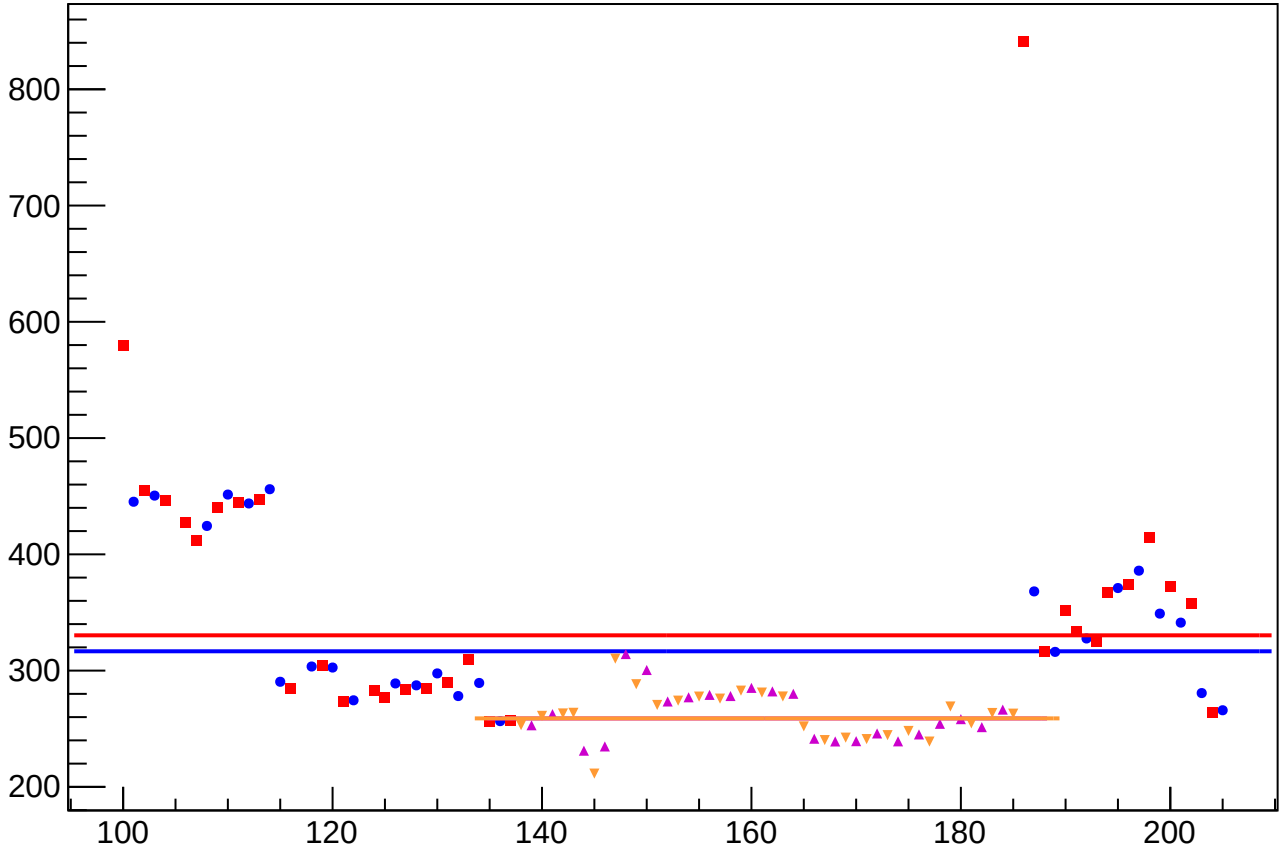
Right: 56.676+/-60.842 χ^2/NDF: 64.4/54

In: -52.212+/-49.570 χ^2/NDF:51.0/47

Out: -212.081+/-48.711 χ^2/NDF:89.9/54

All: -133.544+/-34.744 χ^2/NDF: 146.2/102

cor_asym_sam2_rms vs Slug, Sign Corrected



Right In: 316.624+/-0.061 χ^2/NDF: 820023.6/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.350+/-0.061 χ^2/NDF: 1266696.9/29

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

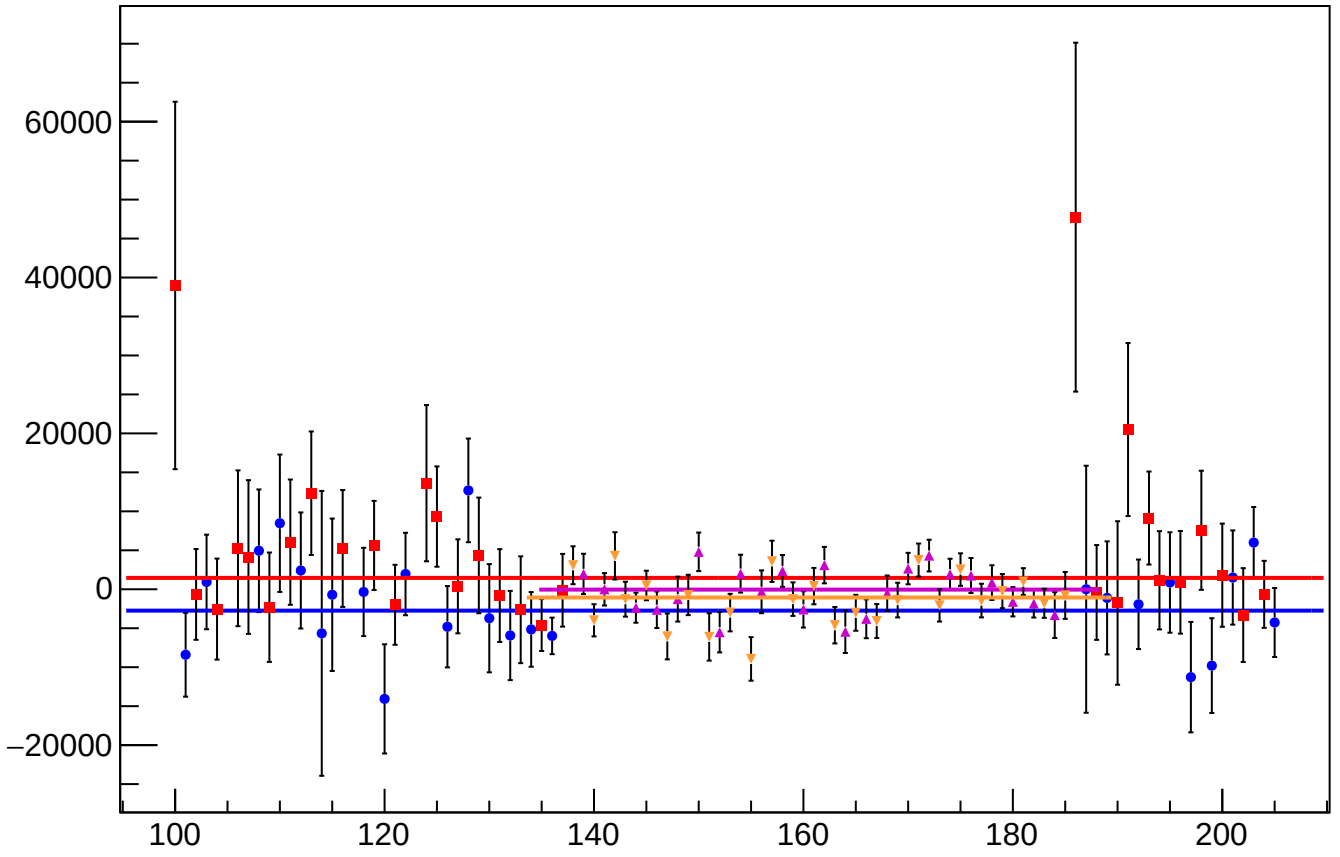
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

Right: 323.459+/-0.043 χ^2/NDF: 2112167.8/54

In: 278.099+/-0.035 χ^2/NDF:1668785.0/47

Out: 281.714+/-0.034 χ^2/NDF:2450221.4/54

All: 279.938+/-0.025 χ^2/NDF: 4124416.8/102



Right In: -2740.753+/-1120.592 χ^2/NDF: 23.7/24

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: 1458.621+/-1176.167 χ^2/NDF: 24.6/29

Left In: -44.348+/-470.700 χ^2/NDF:34.2/22

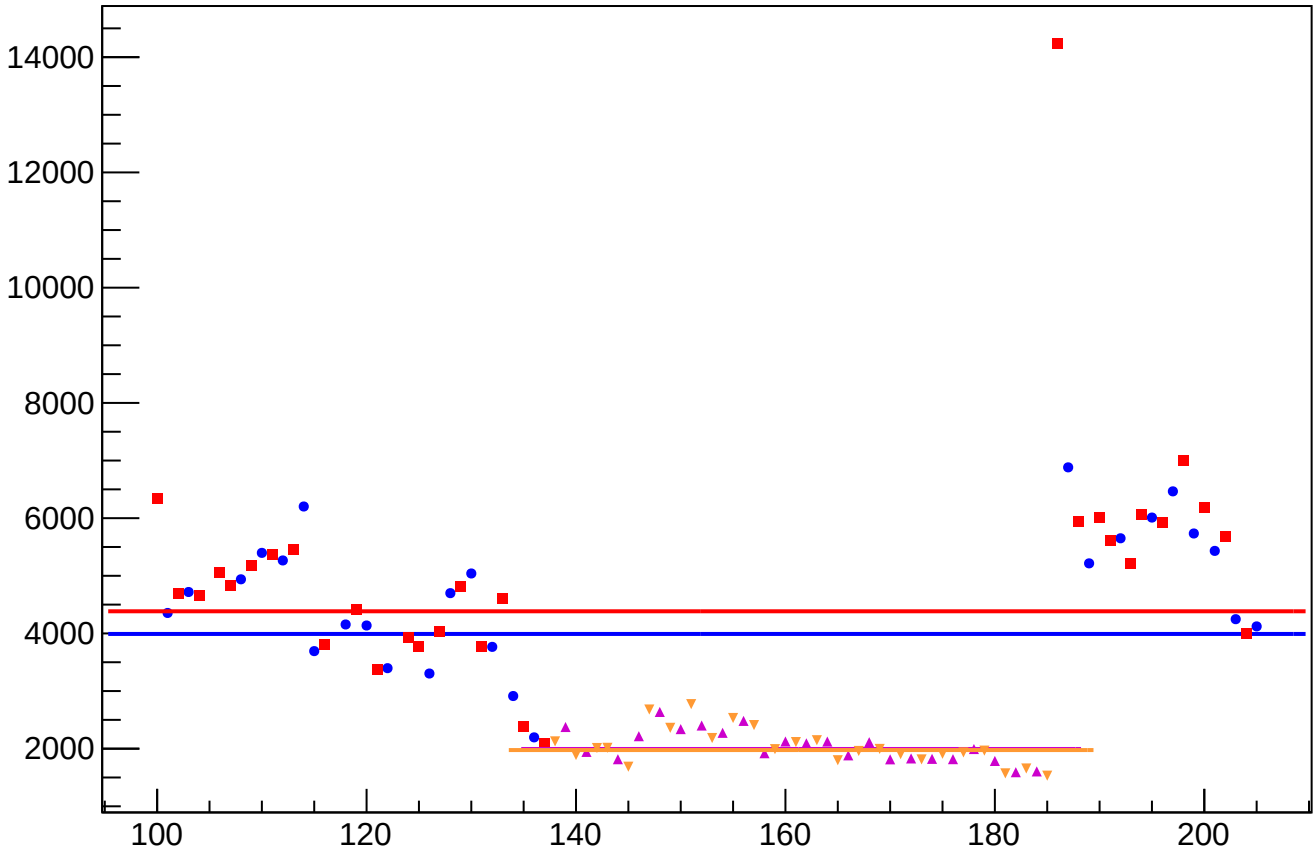
Left: -569.385+/-327.014 χ^2/NDF: 78.1/47

Right: -742.621+/-811.314 χ^2/NDF: 55.0/54

In: -448.747+/-433.970 χ^2/NDF:62.8/47

Out: -731.913+/-424.072 χ^2/NDF:70.1/54

All: -593.596+/-303.303 χ^2/NDF: 133.1/102



Right In: 3990.905+/-0.792 χ^2/NDF: 2632172.0/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4384.197+/-0.832 χ^2/NDF: 2857023.4/29

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

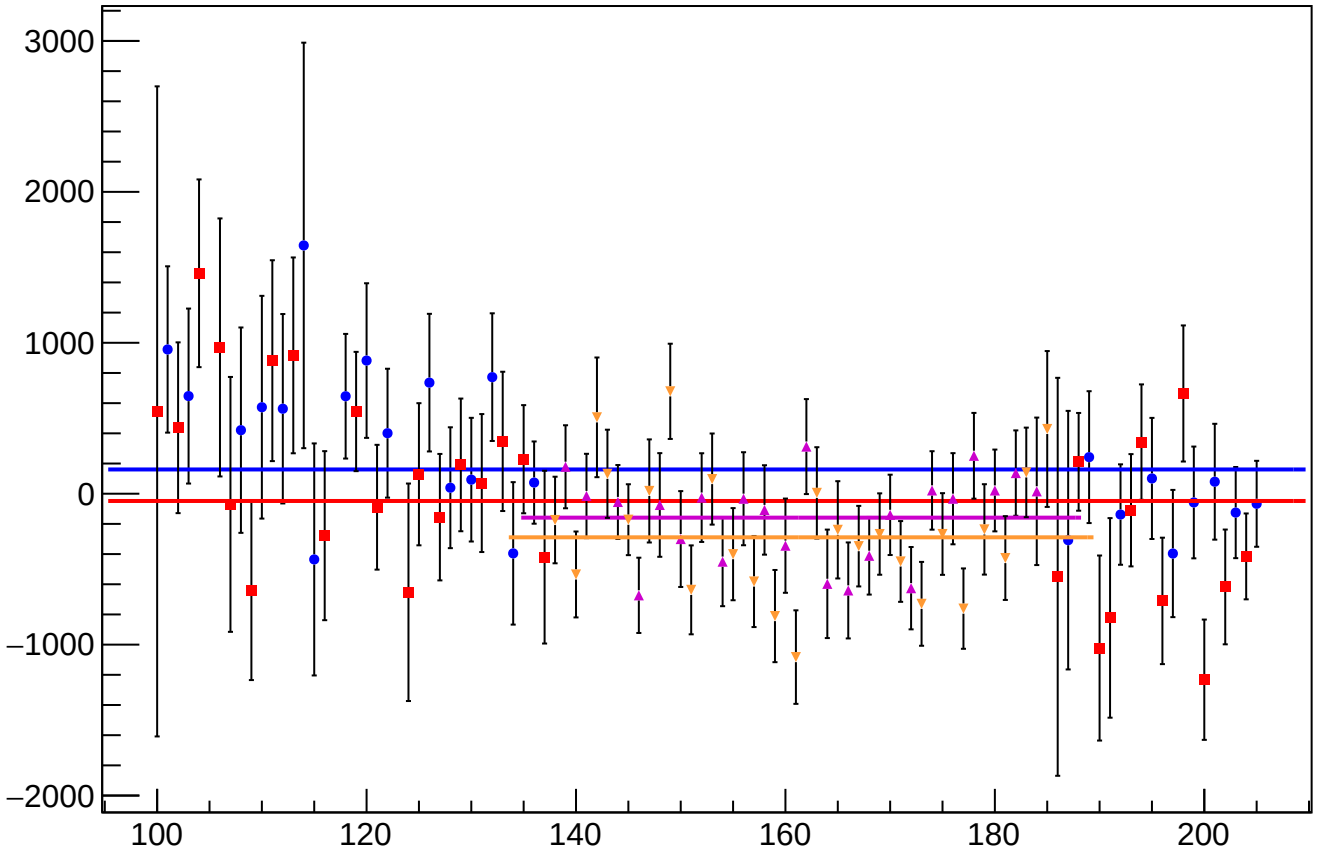
Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

Right: 4178.040+/-0.574 χ^2/NDF: 5606416.2/54

In: 2294.136+/-0.307 χ^2/NDF:8626652.5/47

Out: 2289.035+/-0.300 χ^2/NDF:10915046.0/54

All: 2291.527+/-0.214 χ^2/NDF: 19541839.9/1



Right In: 160.662+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -48.164+/-86.220 χ^2/NDF: 42.2/29

Left In: -158.612+/-60.708 χ^2/NDF:22.5/22

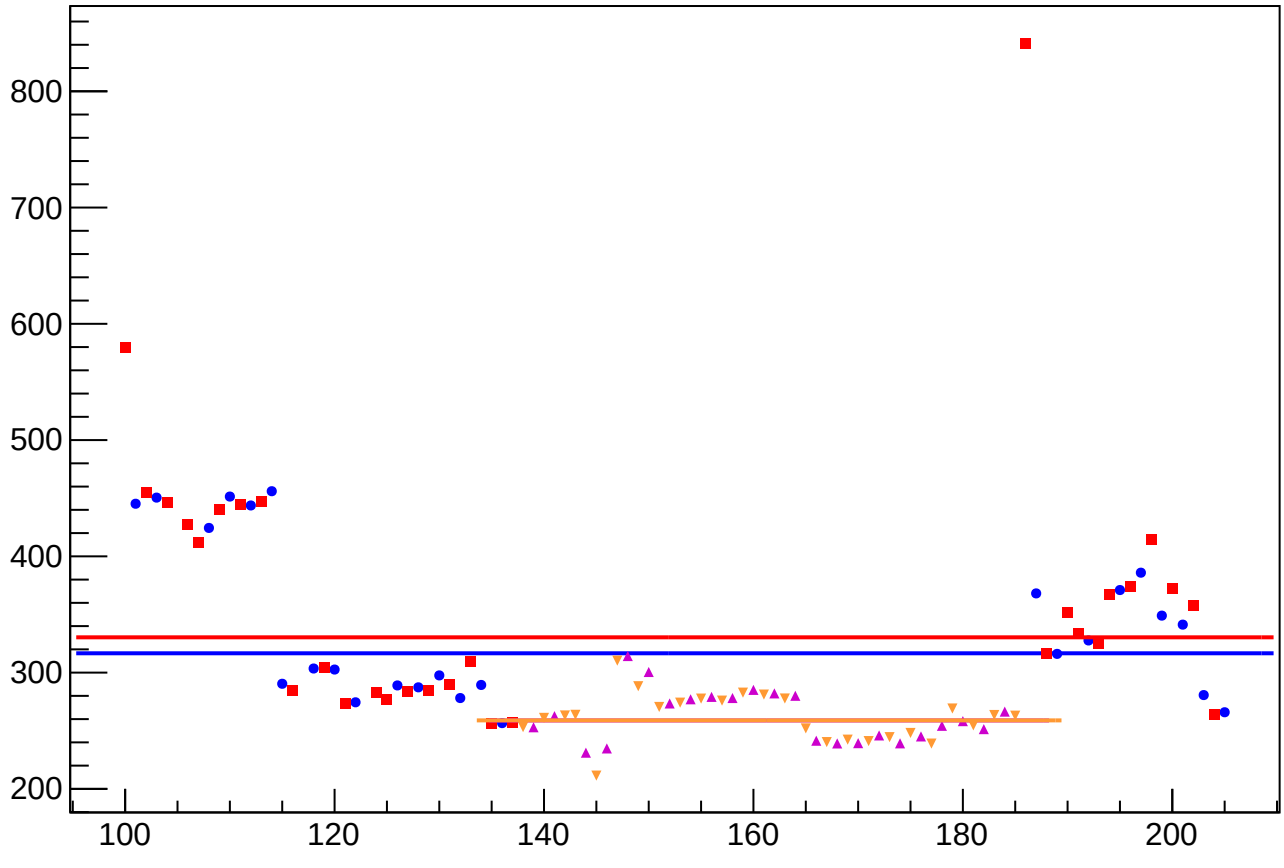
Left: -225.590+/-42.323 χ^2/NDF: 67.3/47

Right: 56.676+/-60.842 χ^2/NDF: 64.4/54

In: -52.212+/-49.570 χ^2/NDF:51.0/47

Out: -212.081+/-48.711 χ^2/NDF:89.9/54

All: -133.544+/-34.744 χ^2/NDF: 146.2/102



Right In: 316.624+/-0.061 χ^2/NDF: 820023.6/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 330.350+/-0.061 χ^2/NDF: 1266696.9/29

Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

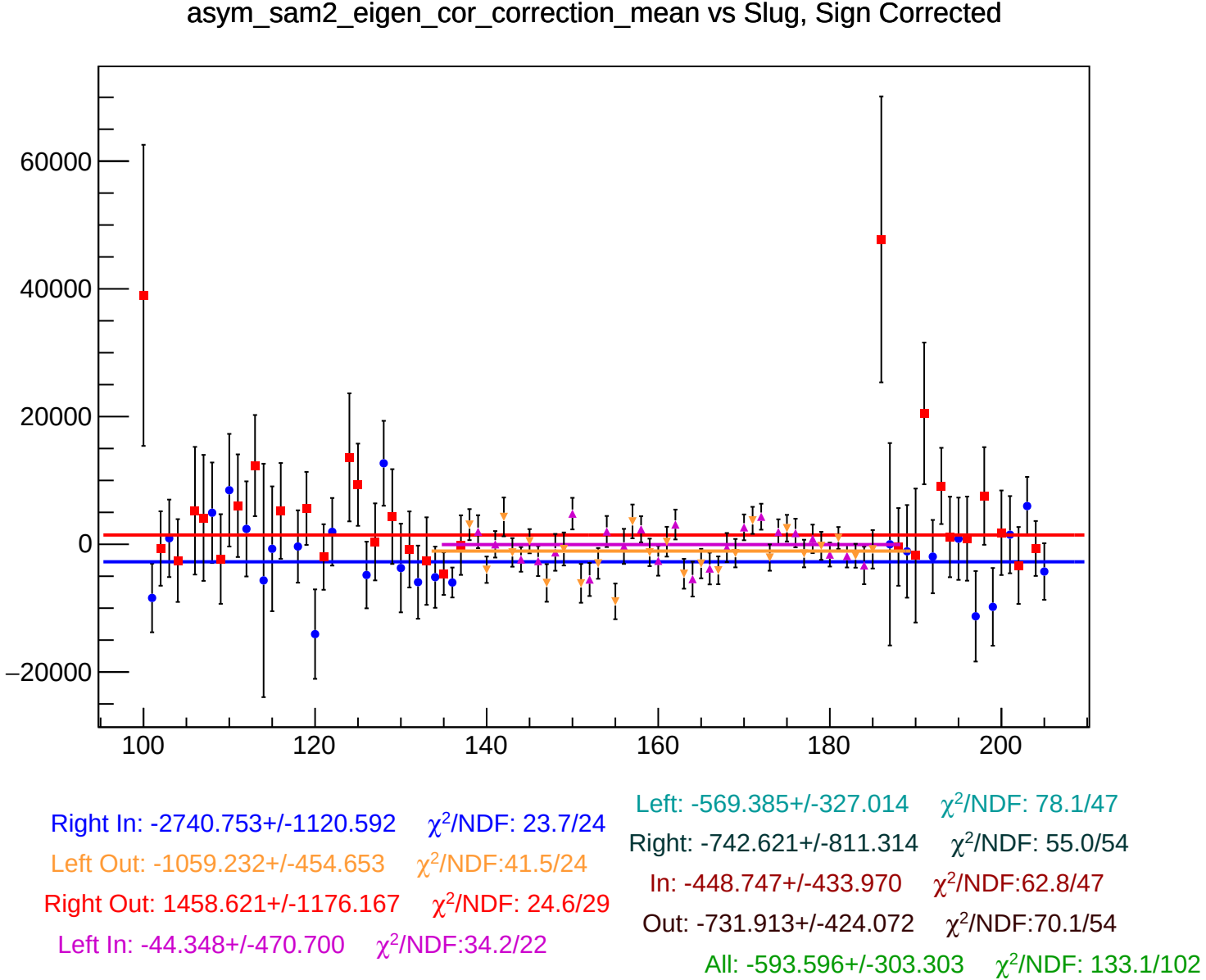
Left: 258.878+/-0.030 χ^2/NDF: 493695.6/47

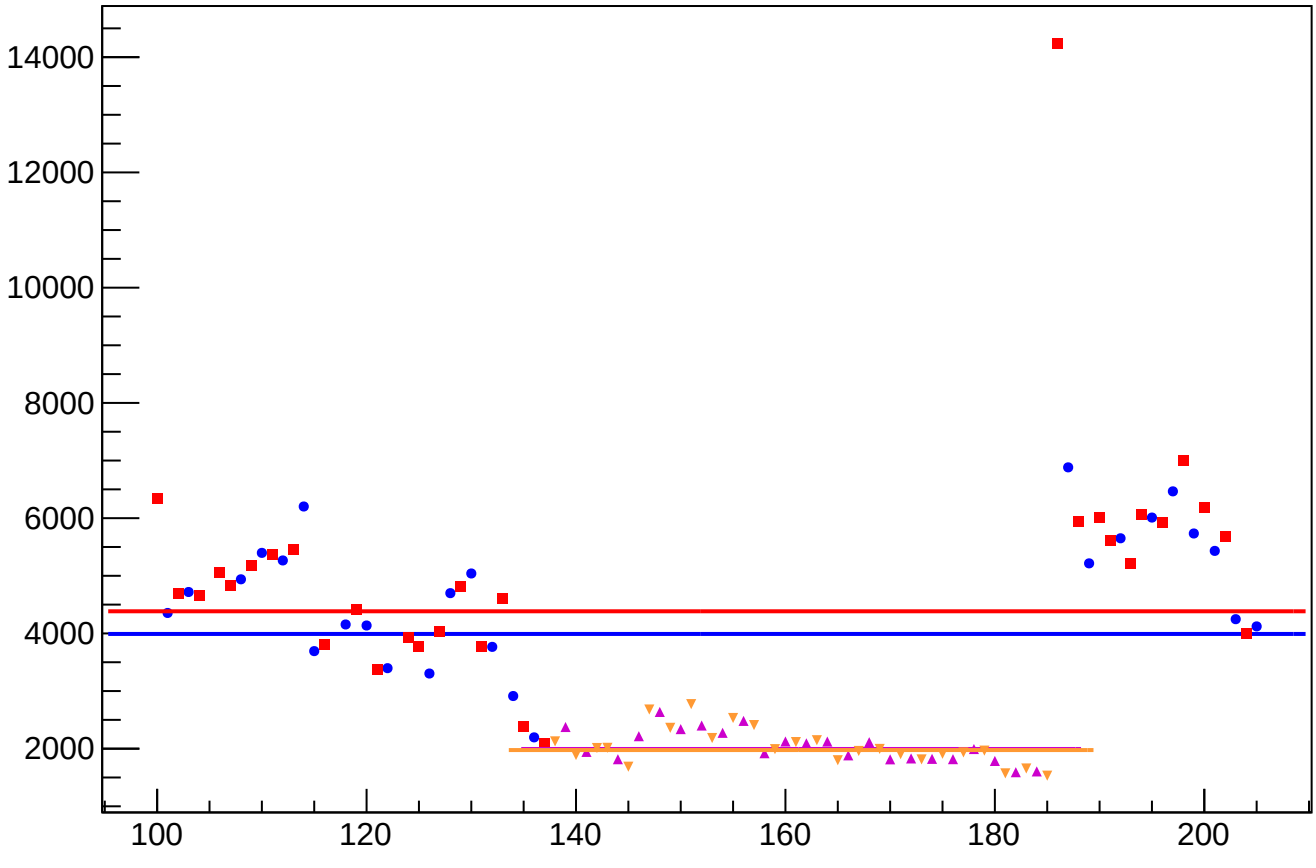
Right: 323.459+/-0.043 χ^2/NDF: 2112167.8/54

In: 278.099+/-0.035 χ^2/NDF:1668785.0/47

Out: 281.714+/-0.034 χ^2/NDF:2450221.4/54

All: 279.938+/-0.025 χ^2/NDF: 4124416.8/102


asym_sam2_eigen_cor_correction_mean vs Slug, Sign Corrected
60000
40000
20000
0
−20000
100
120
140
160
180
200
Right In: -2740.753+/-1120.592 χ²/NDF: 23.7/24
Left Out: -1059.232+/-454.653 χ²/NDF:41.5/24
Right Out: 1458.621+/-1176.167 χ²/NDF: 24.6/29
Left In: -44.348+/-470.700 χ²/NDF:34.2/22
Left: -569.385+/-327.014 χ²/NDF: 78.1/47
Right: -742.621+/-811.314 χ²/NDF: 55.0/54
In: -448.747+/-433.970 χ²/NDF:62.8/47
Out: -731.913+/-424.072 χ²/NDF:70.1/54
All: -593.596+/-303.303 χ²/NDF: 133.1/102



Right In: 3990.905+/-0.792 χ^2/NDF: 2632172.0/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4384.197+/-0.832 χ^2/NDF: 2857023.4/29

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

Left: 1985.038+/-0.231 χ^2/NDF: 1364973.6/47

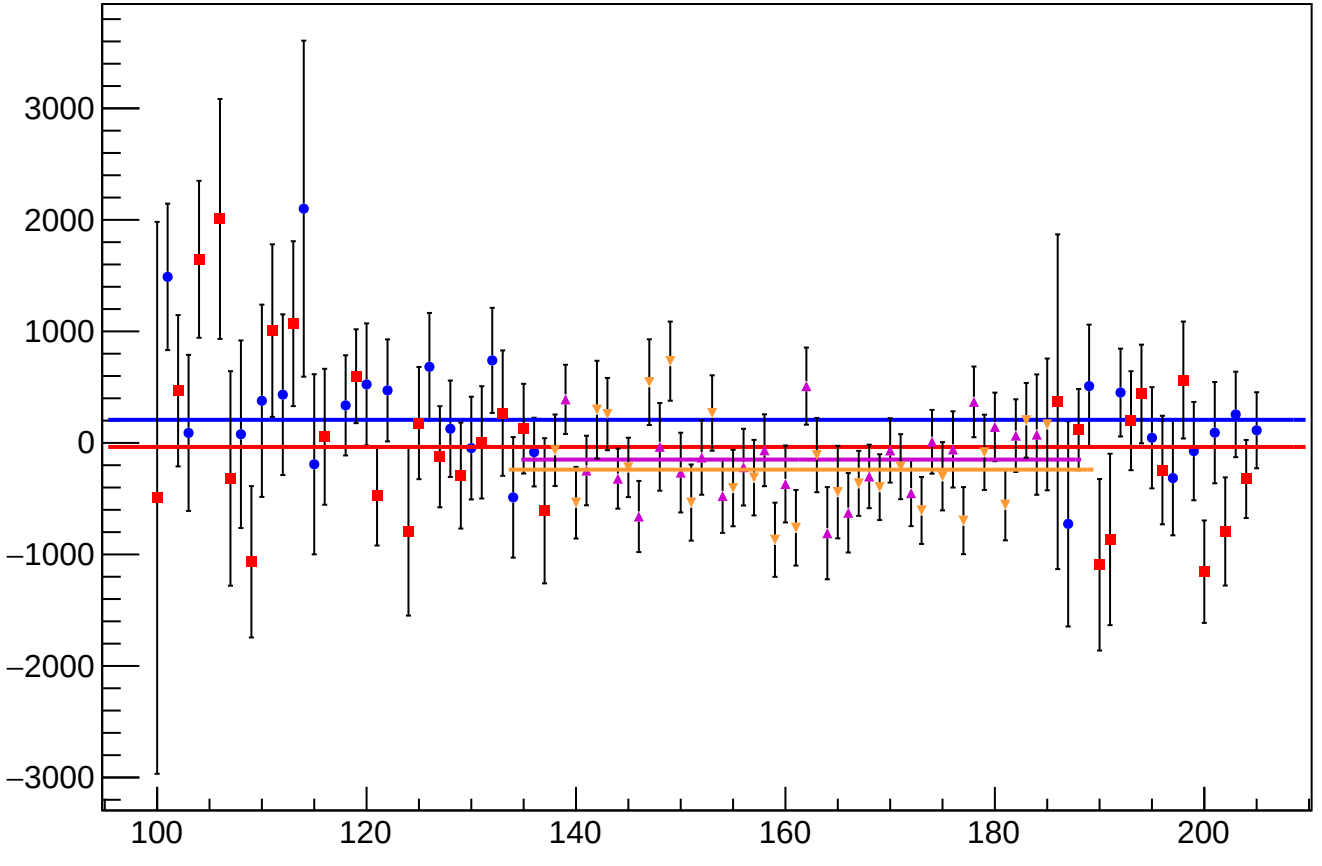
Right: 4178.040+/-0.574 χ^2/NDF: 5606416.2/54

In: 2294.136+/-0.307 χ^2/NDF:8626652.5/47

Out: 2289.035+/-0.300 χ^2/NDF:10915046.0/54

All: 2291.527+/-0.214 χ^2/NDF: 19541839.9/1

dit_asym_sam2_mean vs Slug, Sign Corrected



Right In: 207.171+/-99.066 χ^2/NDF: 15.1/24

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -36.288+/-98.729 χ^2/NDF: 37.7/29

Left In: -149.516+/-68.160 χ^2/NDF:21.7/22

Left: -195.868+/-47.476 χ^2/NDF: 56.6/47

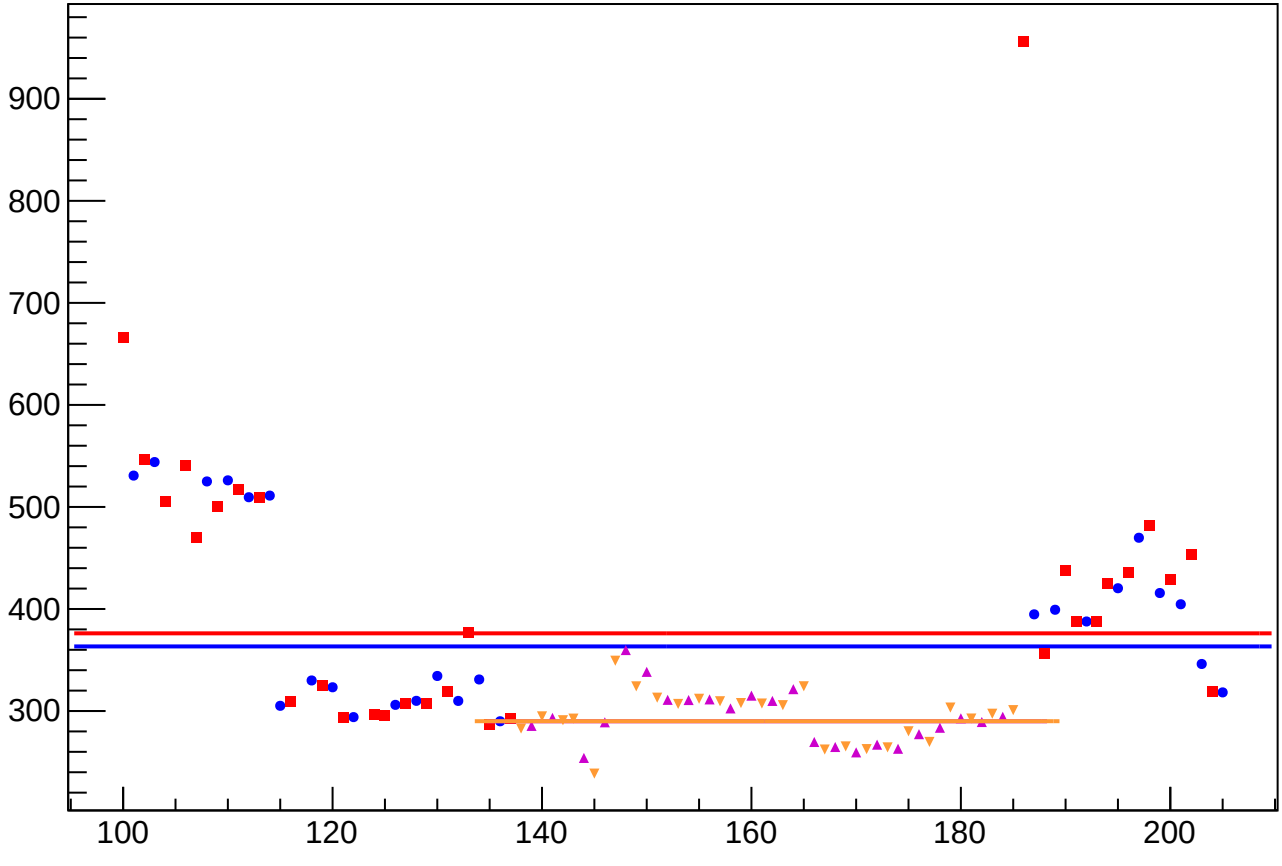
Right: 85.027+/-69.931 χ^2/NDF: 55.8/54

In: -34.917+/-56.153 χ^2/NDF:45.6/47

Out: -176.550+/-54.965 χ^2/NDF:74.6/54

All: -107.247+/-39.279 χ^2/NDF: 123.5/102

dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 363.311+/-0.070 χ^2/NDF: 1021002.0/24

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 376.132+/-0.070 χ^2/NDF: 1510889.9/29

Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

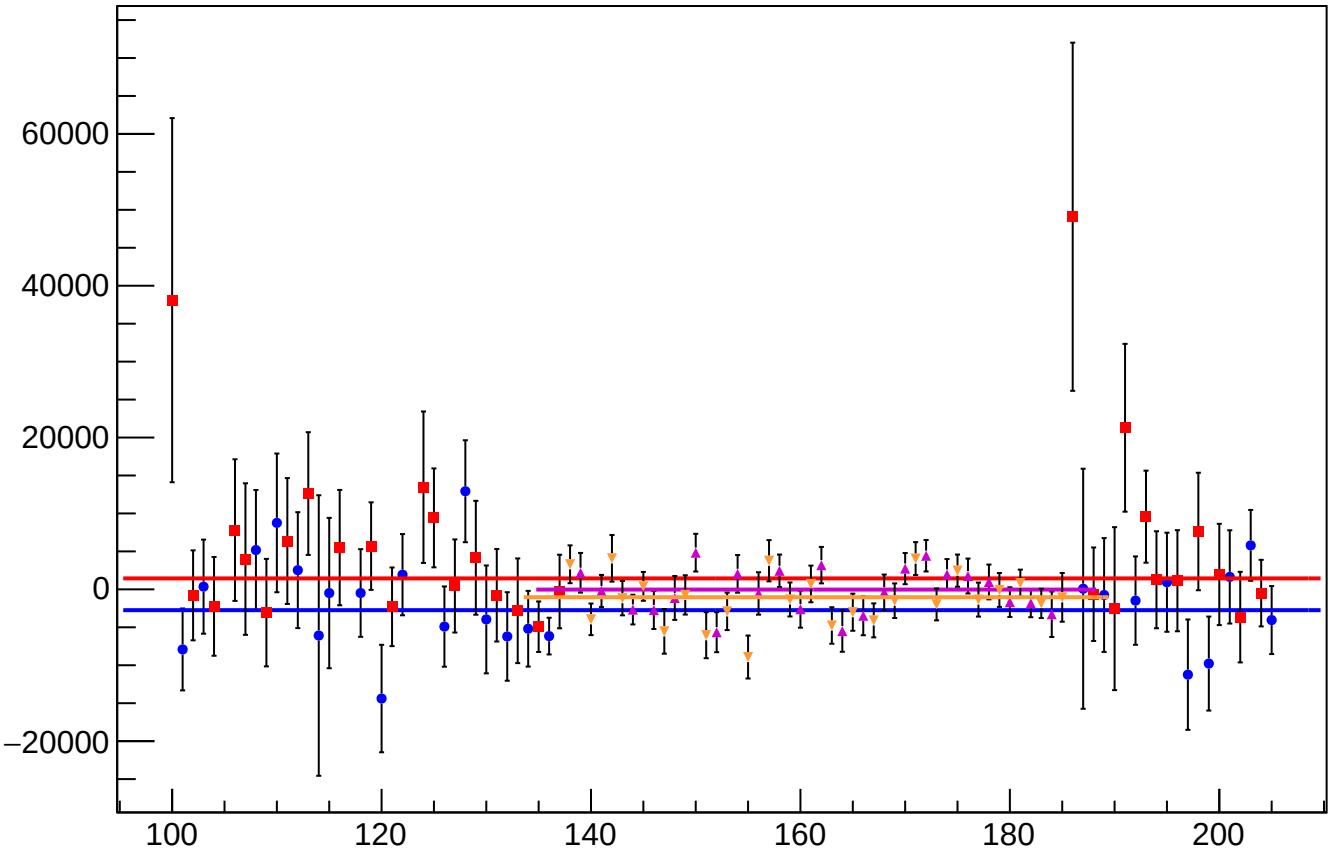
Left: 289.983+/-0.034 χ^2/NDF: 550318.1/47

Right: 369.743+/-0.049 χ^2/NDF: 2548700.0/54

In: 313.514+/-0.040 χ^2/NDF:2035234.3/47

Out: 316.712+/-0.039 χ^2/NDF:2841389.0/54

All: 315.147+/-0.028 χ^2/NDF: 4879936.0/102



Right In: -2743.578+/-1144.105 χ^2/NDF: 23.2/24

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: 1441.928+/-1189.055 χ^2/NDF: 25.9/29

Left In: -30.393+/-482.280 χ^2/NDF:34.1/22

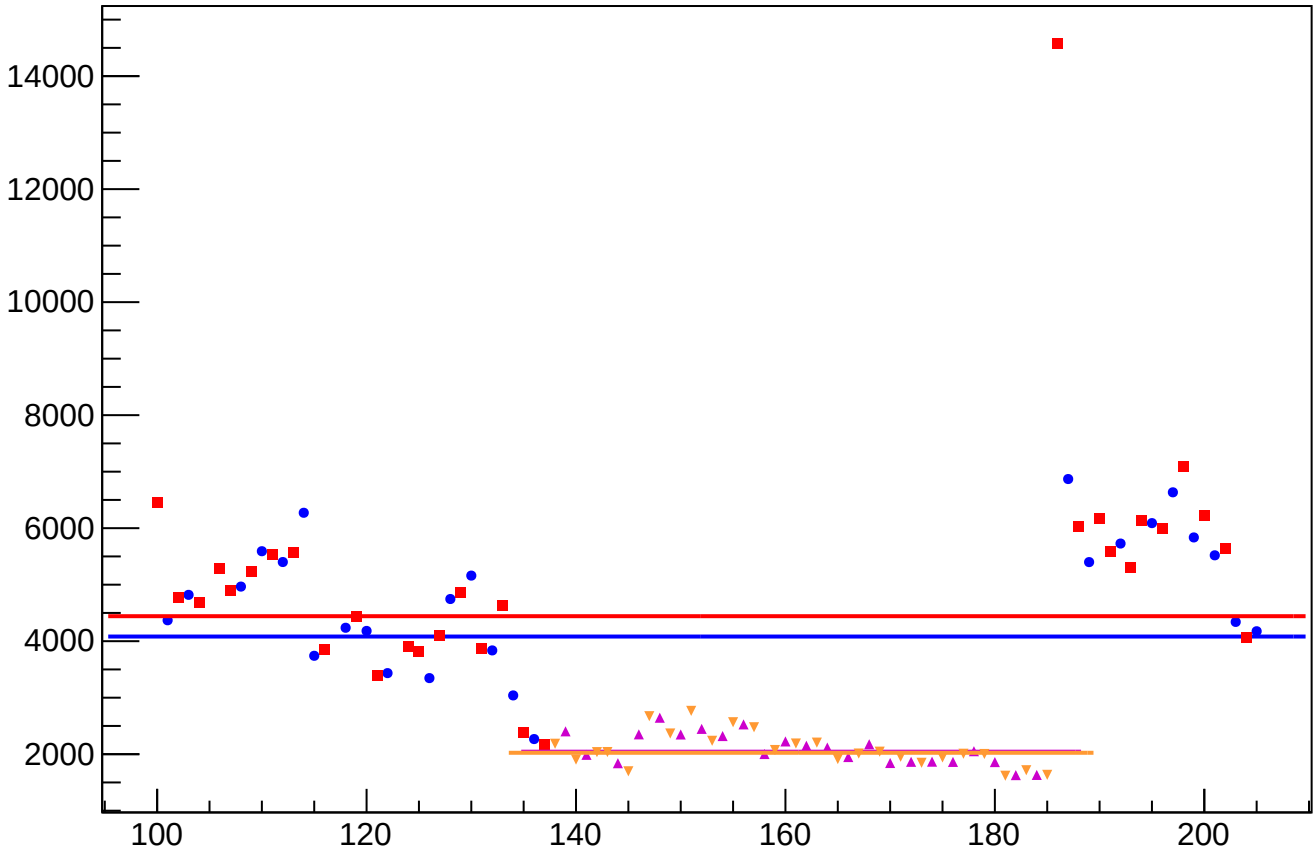
Left: -551.492+/-334.868 χ^2/NDF: 76.7/47

Right: -731.431+/-824.437 χ^2/NDF: 55.6/54

In: -439.762+/-444.410 χ^2/NDF:62.1/47

Out: -707.426+/-433.324 χ^2/NDF:70.0/54

All: -576.974+/-310.252 χ^2/NDF: 132.3/102



Right In: 4082.293+/-0.809 χ^2/NDF: 2552800.5/24

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4442.287+/-0.841 χ^2/NDF: 2854674.2/29

Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

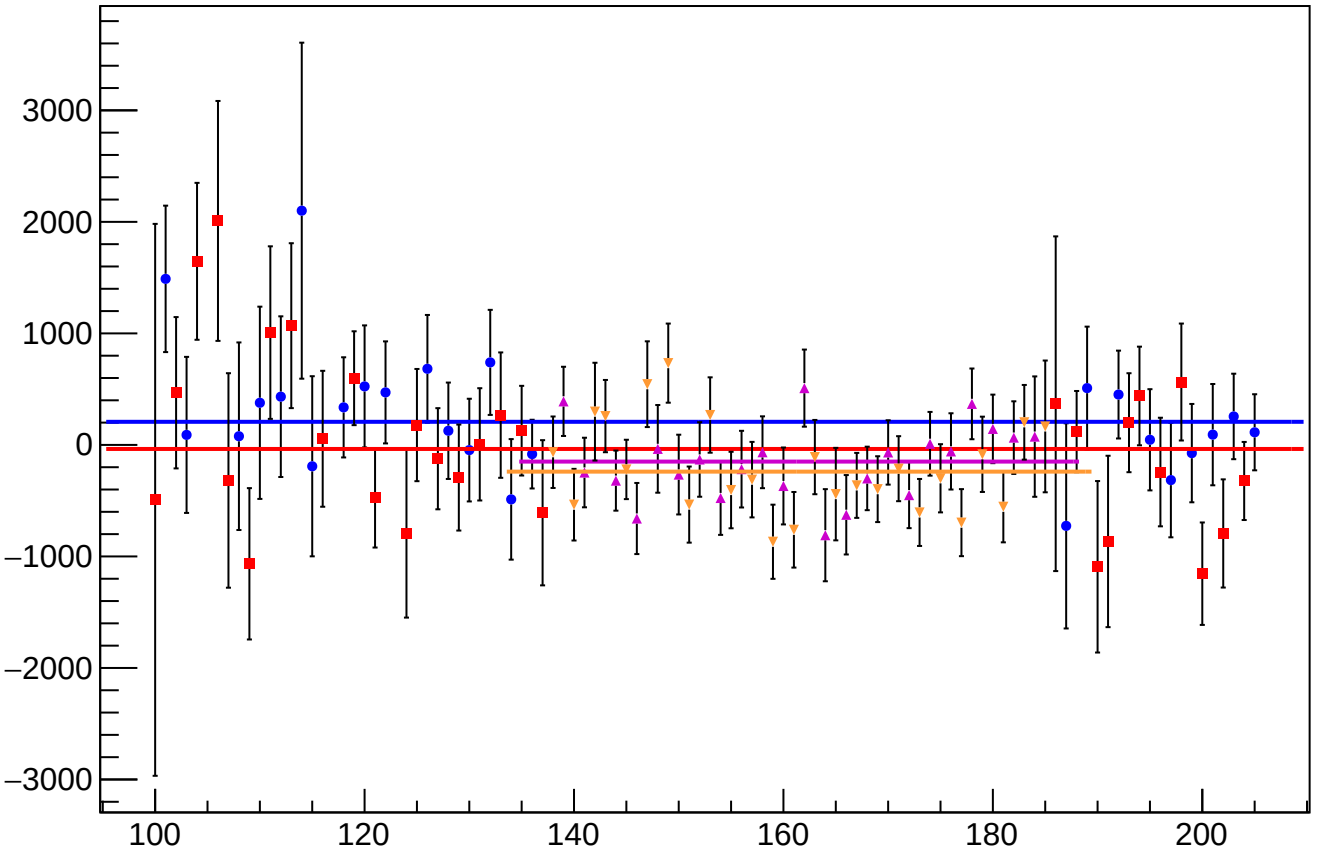
Left: 2034.456+/-0.237 χ^2/NDF: 1287422.7/47

Right: 4255.357+/-0.583 χ^2/NDF: 5502666.6/54

In: 2351.984+/-0.314 χ^2/NDF:8525091.9/47

Out: 2346.107+/-0.306 χ^2/NDF:10722998.5/54

All: 2348.972+/-0.219 χ^2/NDF: 19248269.7/1



Right In: 207.176+/-99.065 χ^2/NDF: 15.1/24

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -36.286+/-98.729 χ^2/NDF: 37.7/29

Left In: -149.517+/-68.160 χ^2/NDF:21.7/22

Left: -195.870+/-47.476 χ^2/NDF: 56.6/47

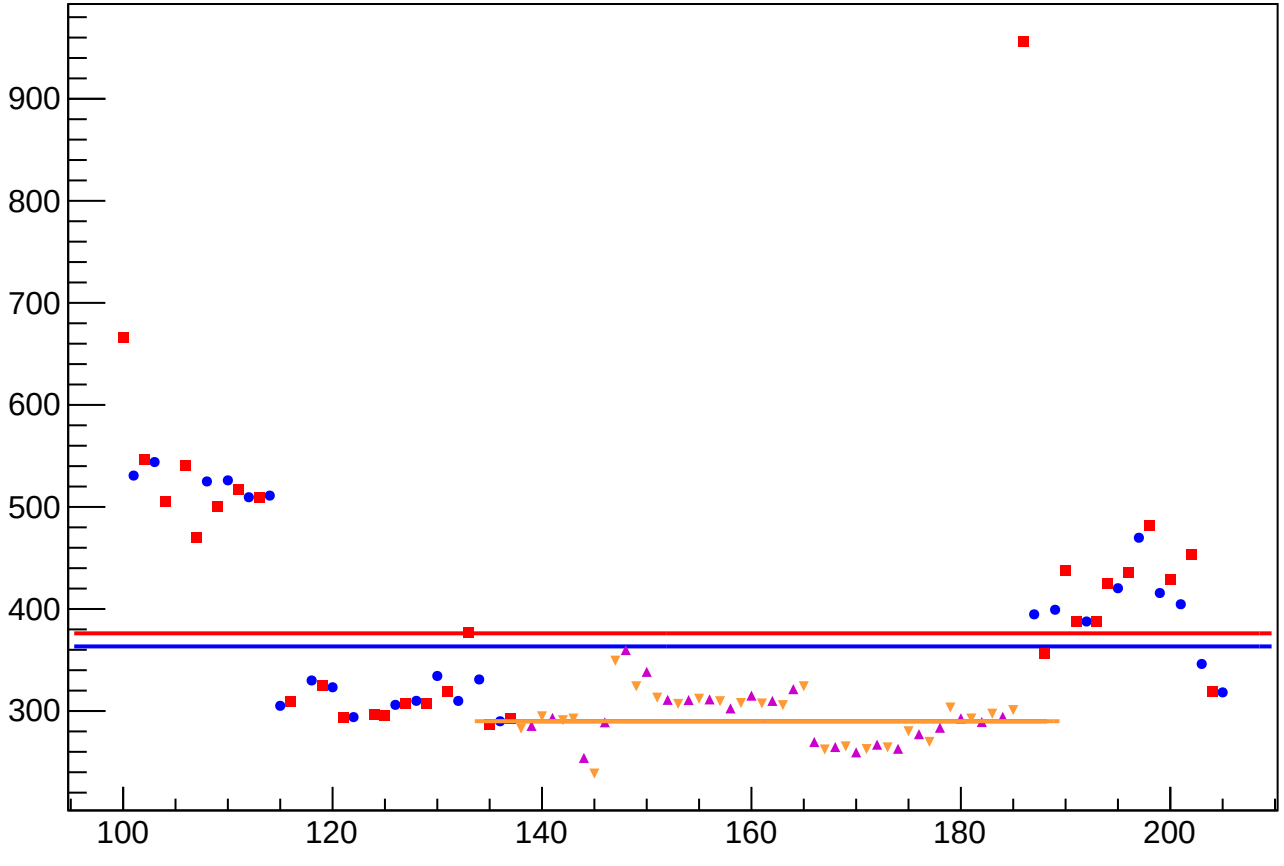
Right: 85.031+/-69.930 χ^2/NDF: 55.8/54

In: -34.916+/-56.153 χ^2/NDF:45.6/47

Out: -176.552+/-54.965 χ^2/NDF:74.6/54

All: -107.247+/-39.279 χ^2/NDF: 123.5/102

eigen_dit_asym_sam2_rms vs Slug, Sign Corrected



Right In: 363.310+/-0.070 χ^2/NDF: 1020999.6/24

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 376.132+/-0.070 χ^2/NDF: 1510883.0/29

Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

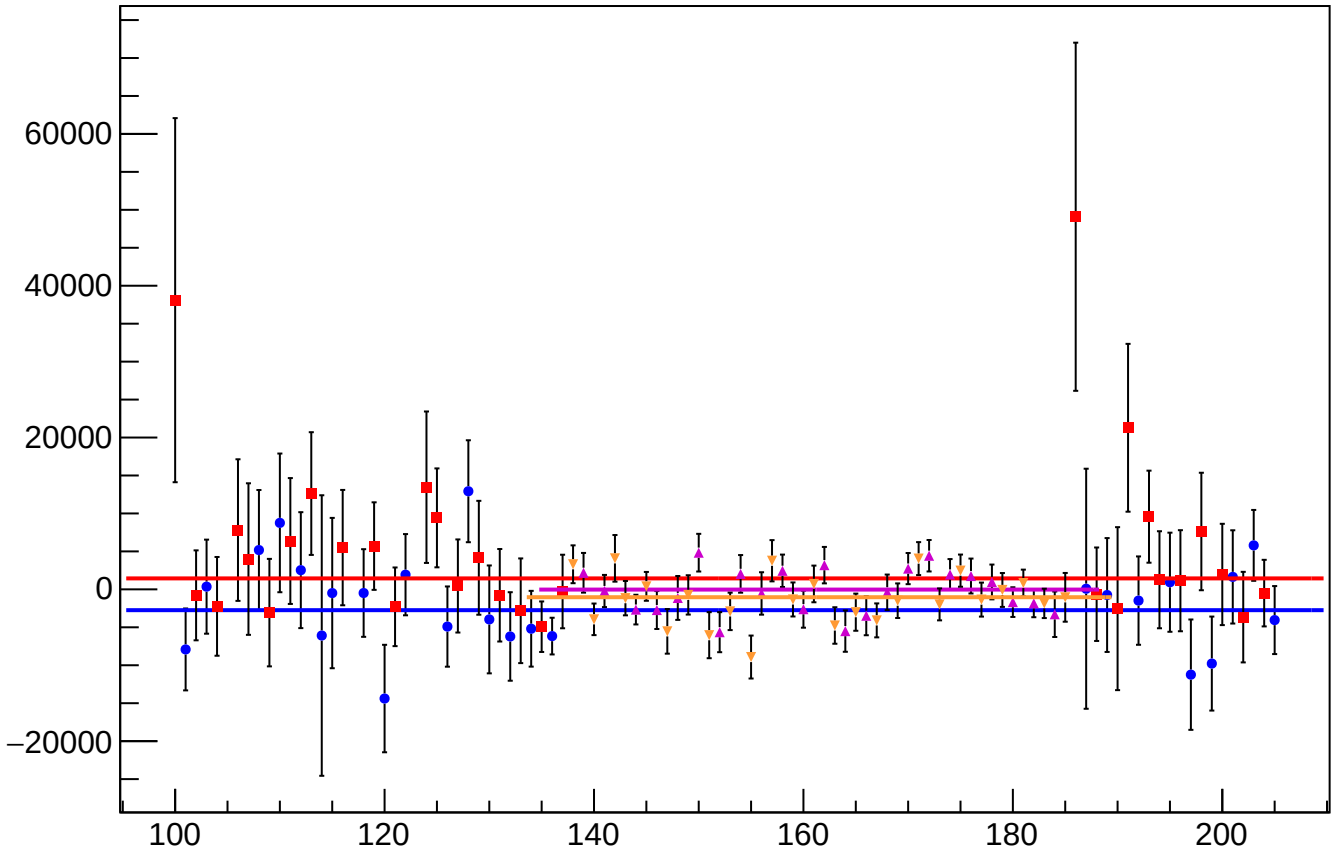
Left: 289.983+/-0.034 χ^2/NDF: 550326.2/47

Right: 369.743+/-0.049 χ^2/NDF: 2548692.0/54

In: 313.514+/-0.040 χ^2/NDF:2035215.8/47

Out: 316.712+/-0.039 χ^2/NDF:2841374.5/54

All: 315.147+/-0.028 χ^2/NDF: 4879903.6/102



Right In: -2743.573+/-1144.104 χ^2/NDF: 23.2/24

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: 1441.932+/-1189.054 χ^2/NDF: 25.9/29

Left In: -30.392+/-482.280 χ^2/NDF:34.1/22

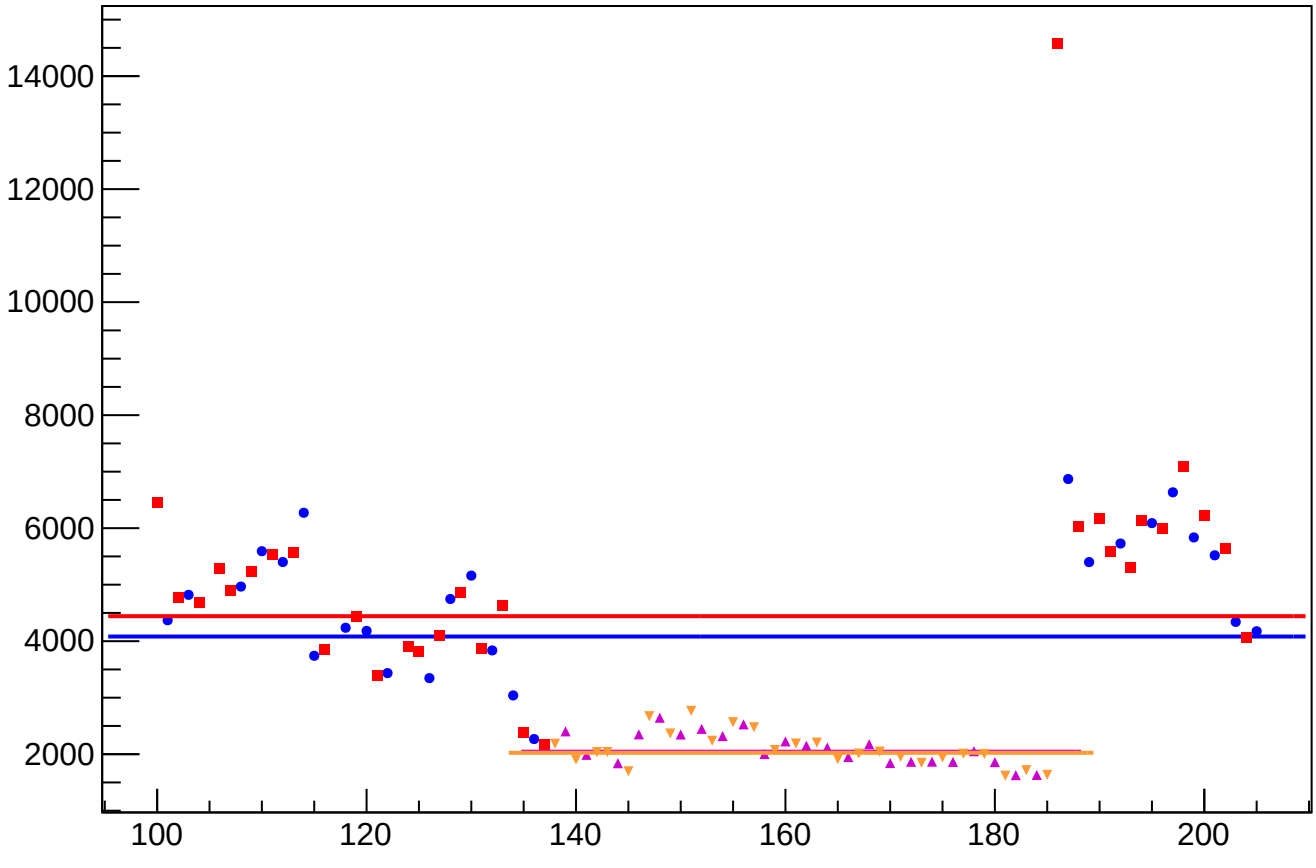
Left: -551.491+/-334.868 χ^2/NDF: 76.7/47

Right: -731.426+/-824.437 χ^2/NDF: 55.6/54

In: -439.761+/-444.410 χ^2/NDF:62.1/47

Out: -707.425+/-433.324 χ^2/NDF:70.0/54

All: -576.973+/-310.252 χ^2/NDF: 132.3/102



Right In: 4082.291+/-0.809 χ^2/NDF: 2552791.5/24

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4442.284+/-0.841 χ^2/NDF: 2854670.0/29

Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

Left: 2034.456+/-0.237 χ^2/NDF: 1287430.5/47

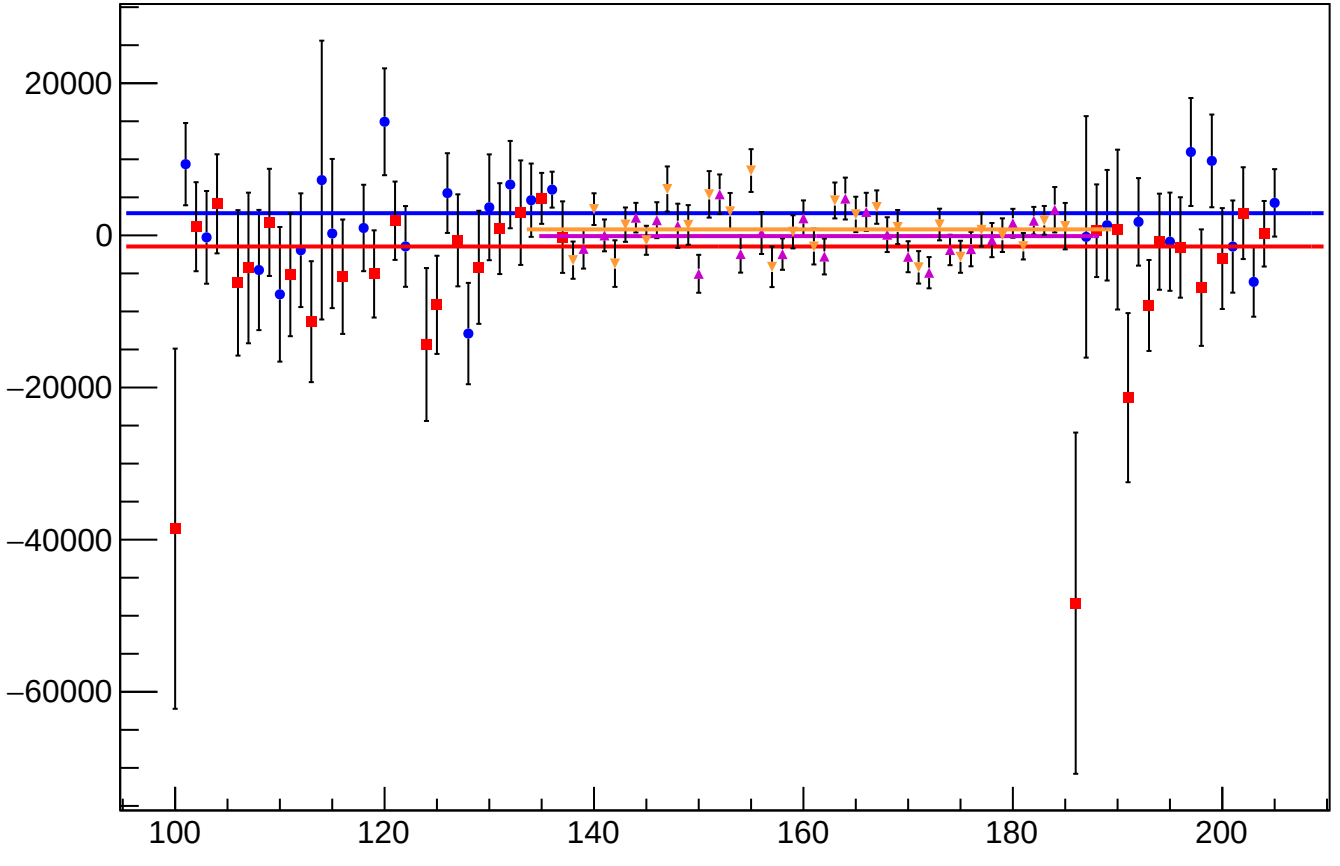
Right: 4255.354+/-0.583 χ^2/NDF: 5502653.1/54

In: 2351.984+/-0.314 χ^2/NDF:8525082.5/47

Out: 2346.108+/-0.306 χ^2/NDF:10722987.0/54

All: 2348.972+/-0.219 χ^2/NDF: 19248248.7/1

asym_sam2_mean vs Slug, Sign Corrected



Right In: 2916.542+/-1125.020 χ^2/NDF: 24.0/24

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: -1462.128+/-1179.306 χ^2/NDF: 24.9/29

Left In: -96.730+/-474.825 χ^2/NDF:32.8/22

Left: 361.054+/-329.913 χ^2/NDF: 76.0/47

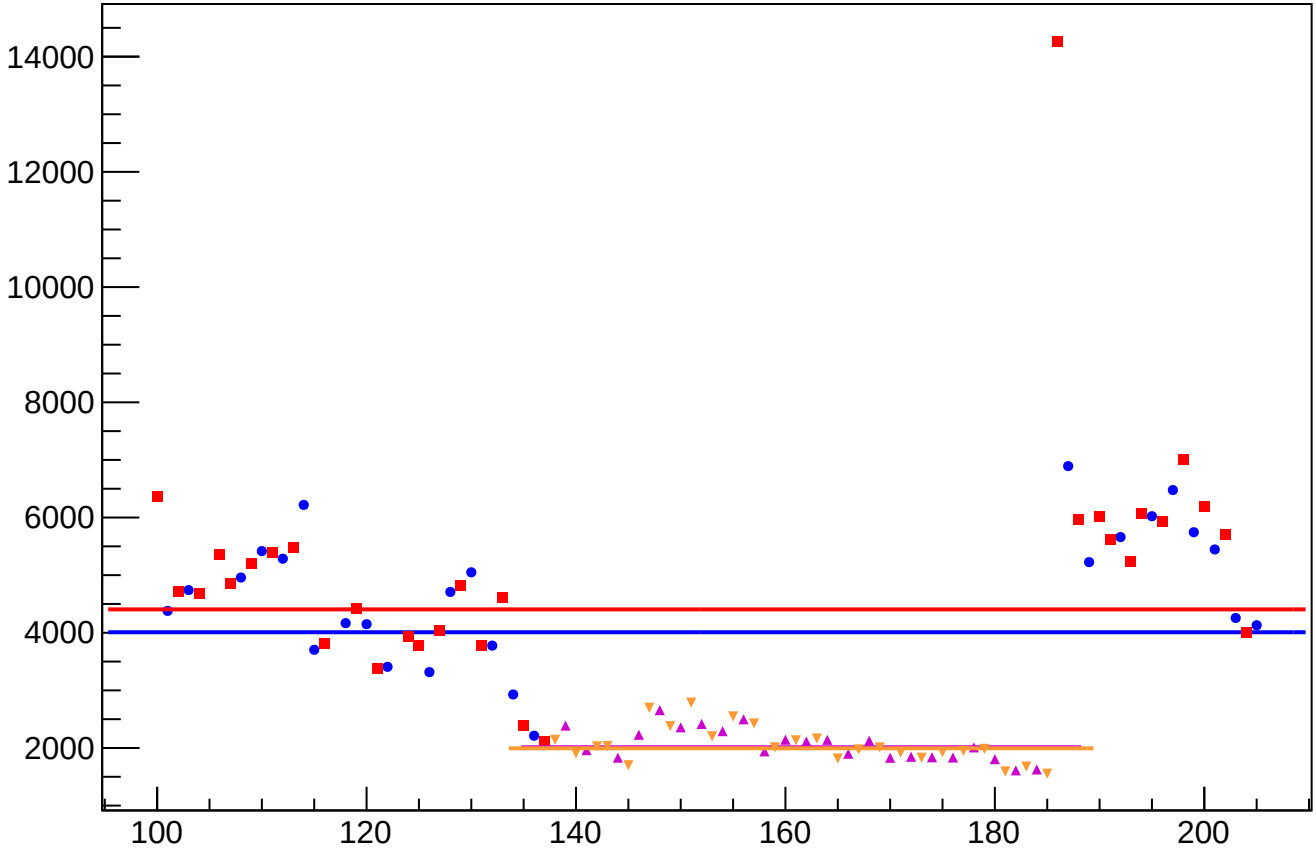
Right: 830.305+/-814.024 χ^2/NDF: 56.1/54

In: 358.877+/-437.458 χ^2/NDF:63.0/47

Out: 492.566+/-427.522 χ^2/NDF:69.3/54

All: 427.257+/-305.756 χ^2/NDF: 132.3/102

asym_sam2_rms vs Slug, Sign Corrected



Right In: 4009.032+/-0.796 χ^2/NDF: 2603913.4/24

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

Right Out: 4405.985+/-0.834 χ^2/NDF: 2845650.1/29

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

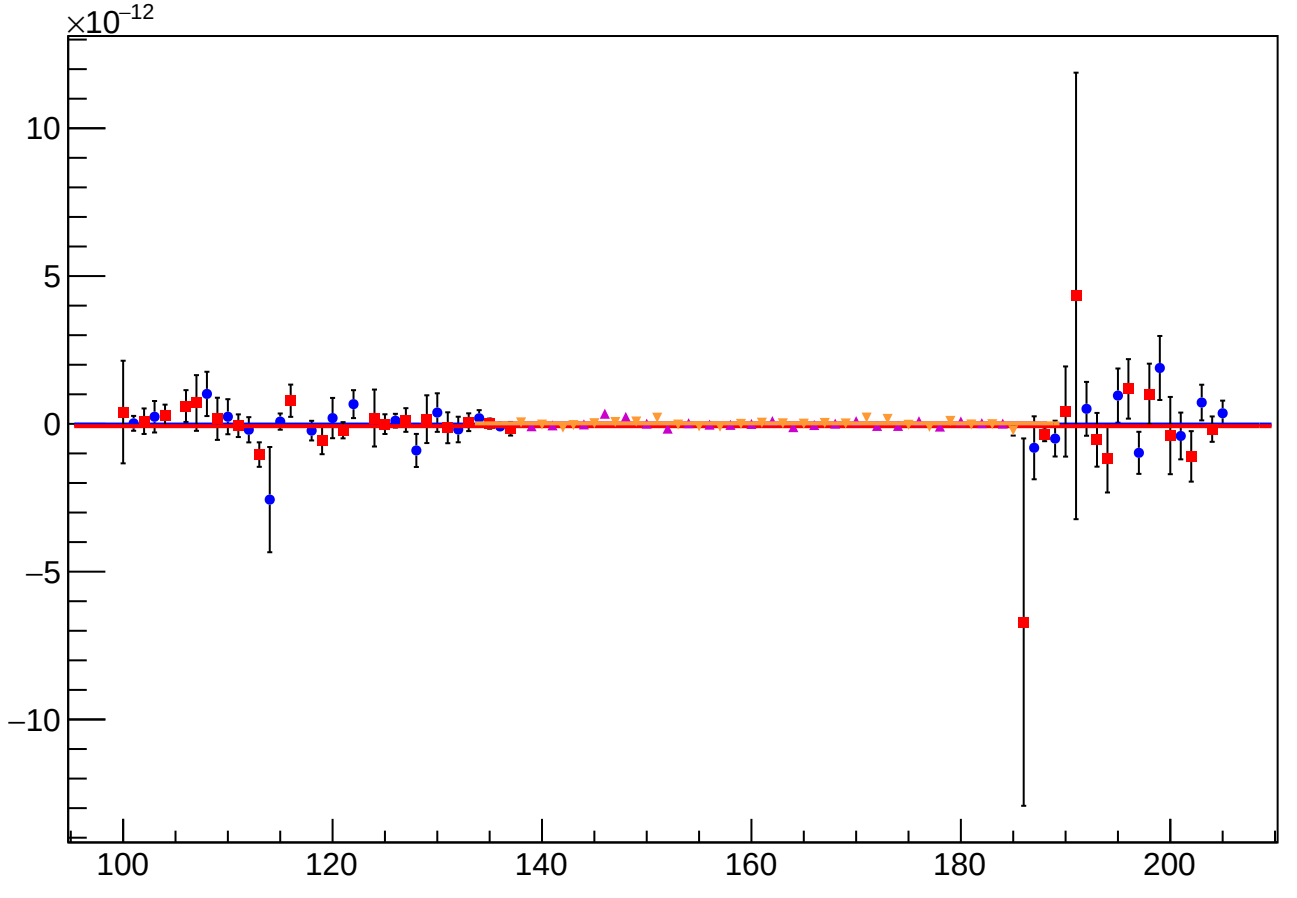
Left: 2003.151+/-0.233 χ^2/NDF: 1335320.5/47

Right: 4198.162+/-0.576 χ^2/NDF: 5568197.6/54

In: 2314.539+/-0.309 χ^2/NDF:8536619.4/47

Out: 2311.197+/-0.302 χ^2/NDF:10857341.3/54

All: 2312.830+/-0.216 χ^2/NDF: 19394020.4/1



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/29

Left In: 0.000+/-0.000 χ^2/NDF:30.6/22

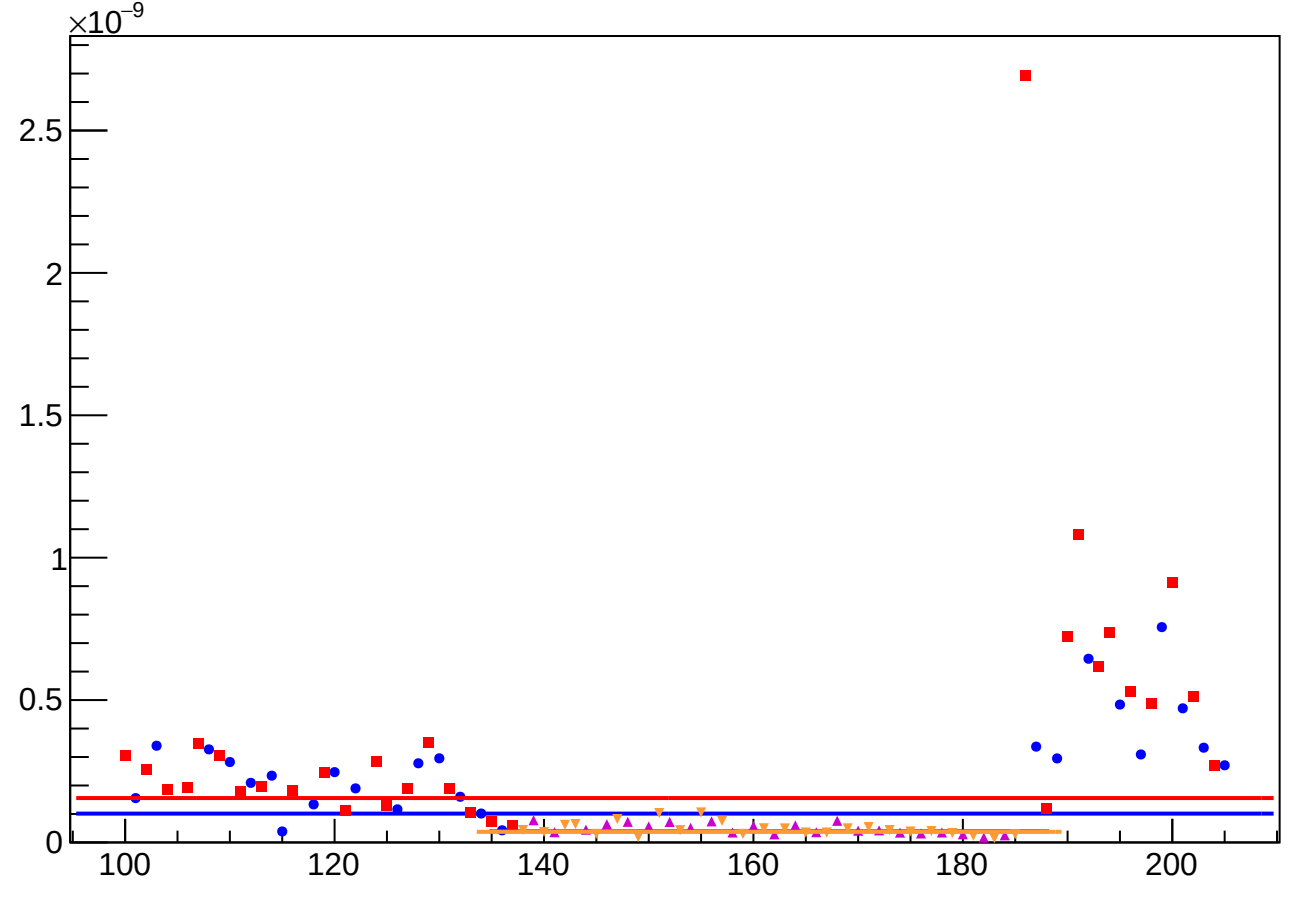
Left: 0.000+/-0.000 χ^2/NDF: 51.9/47

Right: -0.000+/-0.000 χ^2/NDF: 44.7/54

In: 0.000+/-0.000 χ^2/NDF:53.1/47

Out: 0.000+/-0.000 χ^2/NDF:44.9/54

All: 0.000+/-0.000 χ^2/NDF: 98.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 6197360.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4892784.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

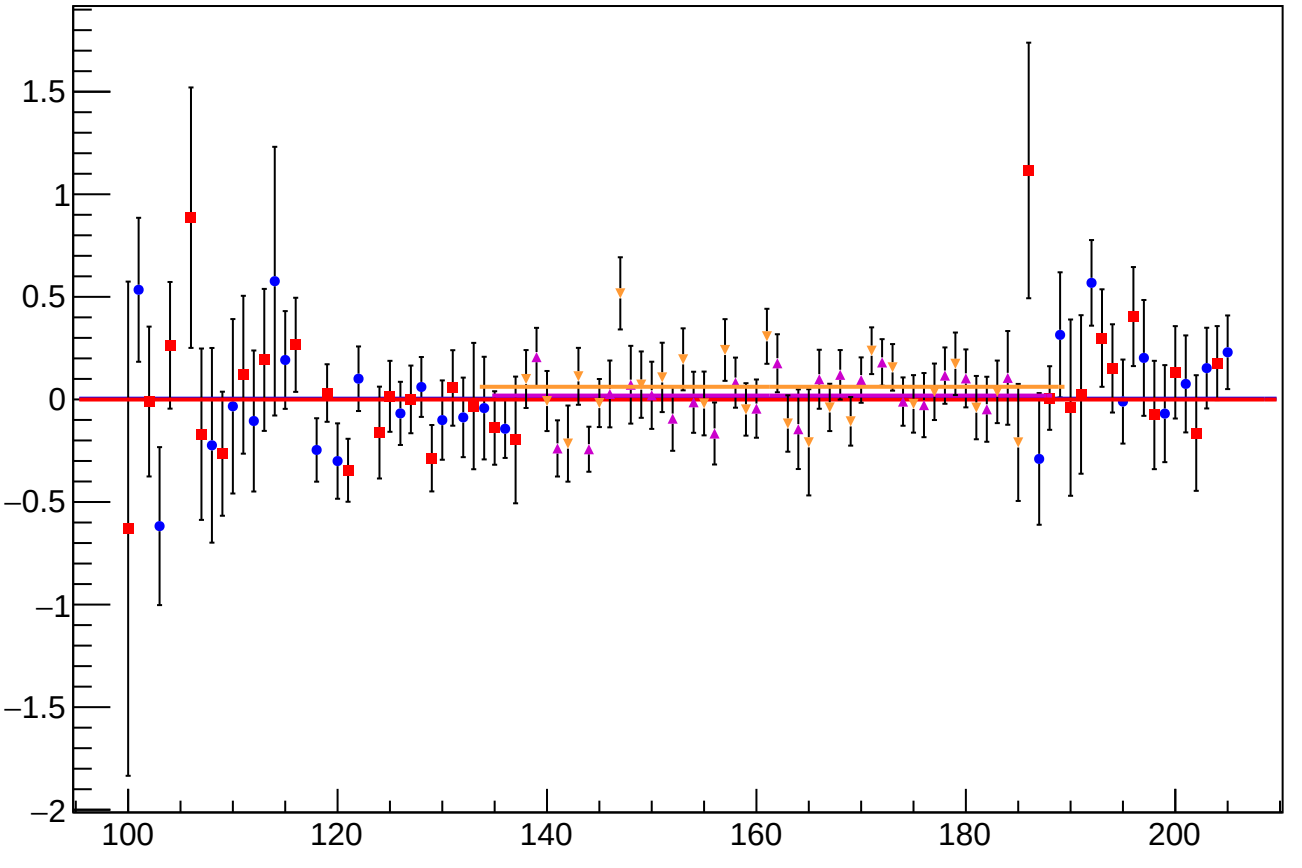
Left: 0.000+/-0.000 χ^2/NDF: 4258987.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11727872.3/54

In: 0.000+/-0.000 χ^2/NDF:10203937.4/47

Out: 0.000+/-0.000 χ^2/NDF:11794050.5/54

All: 0.000+/-0.000 χ^2/NDF: 22011910.0/102



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.042 χ^2/NDF: 25.4/29

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

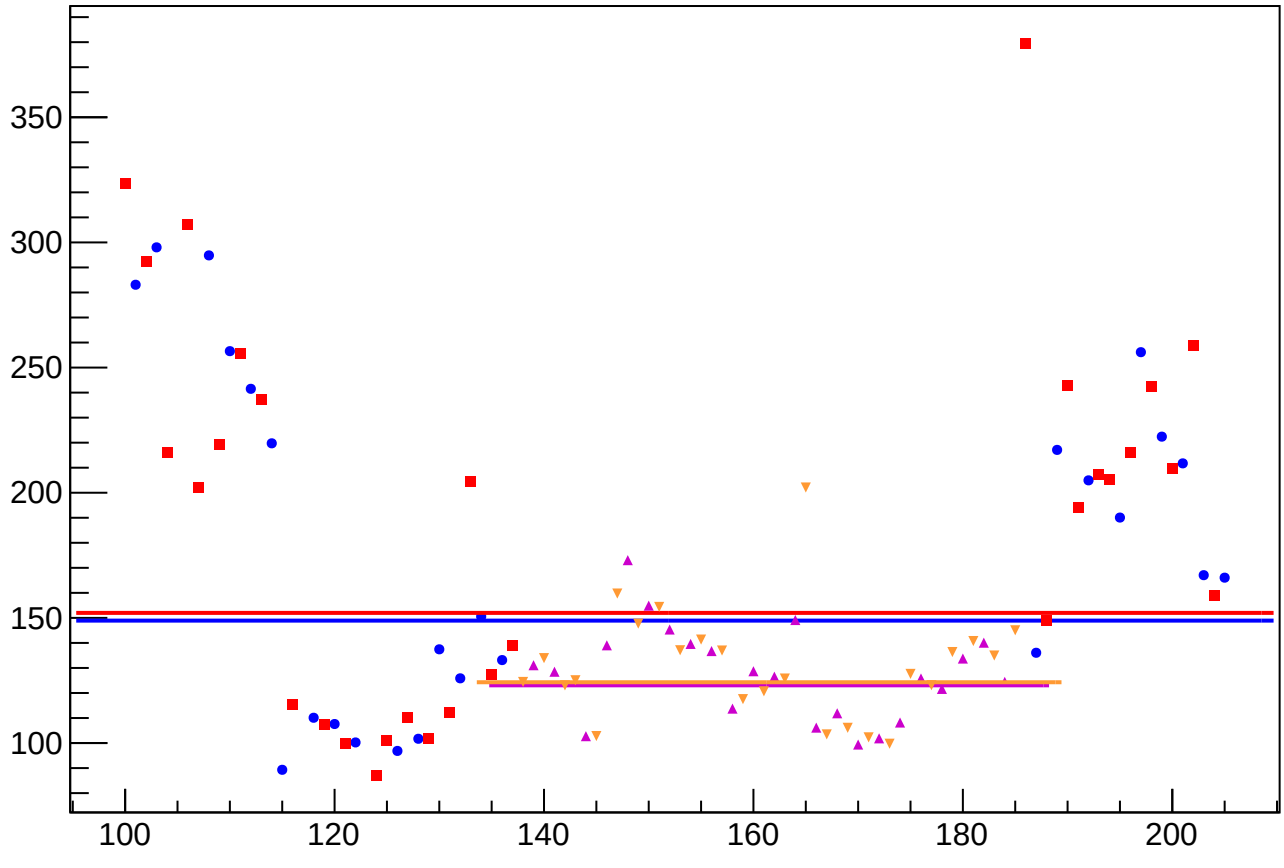
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: 0.002+/-0.030 χ^2/NDF: 51.8/54

In: 0.014+/-0.024 χ^2/NDF:46.8/47

Out: 0.042+/-0.024 χ^2/NDF:54.3/54

All: 0.028+/-0.017 χ^2/NDF: 101.8/102



Right In: 148.912+/-0.030 χ^2/NDF: 3106040.2/24

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.997+/-0.030 χ^2/NDF: 3682451.4/29

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

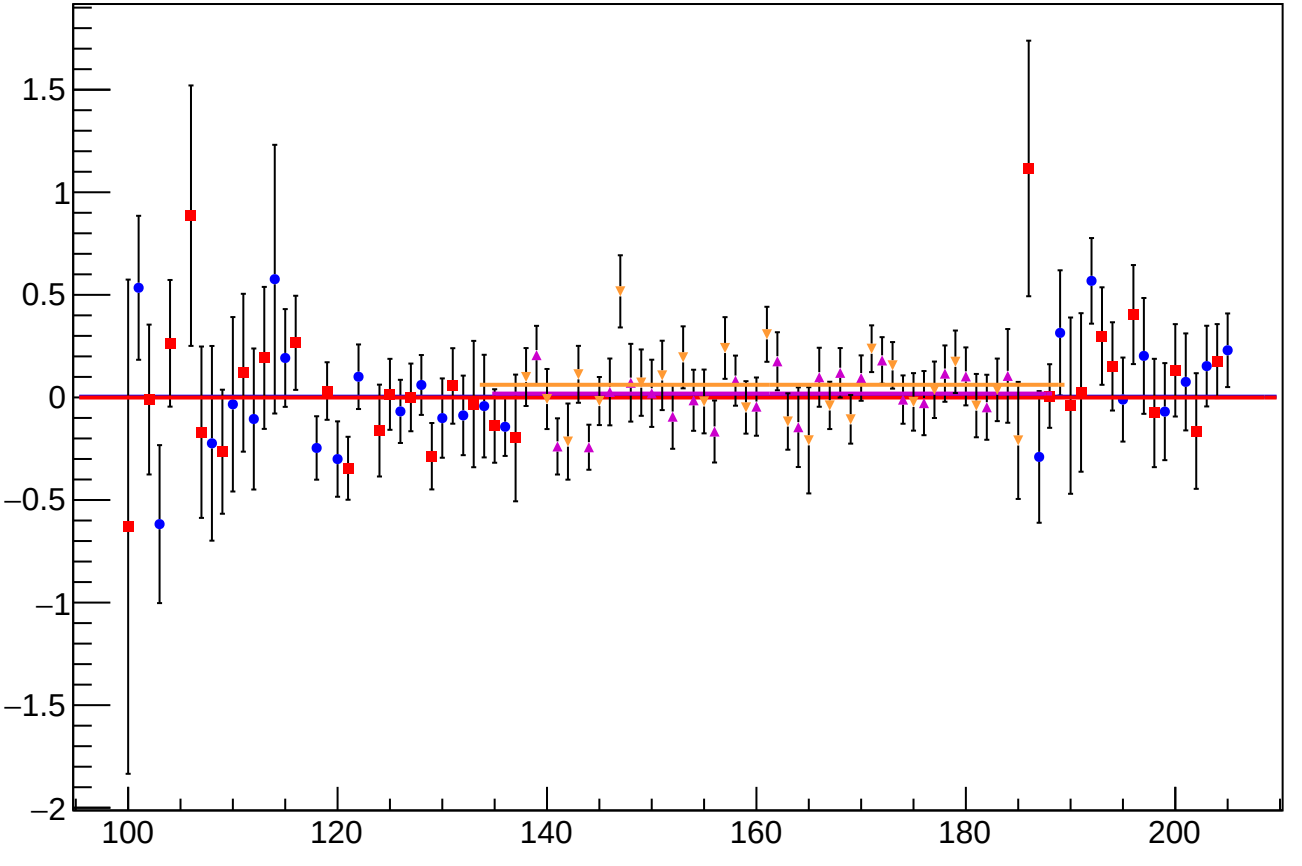
Right: 150.482+/-0.021 χ^2/NDF: 6793776.3/54

In: 131.319+/-0.017 χ^2/NDF:4321107.4/47

Out: 133.088+/-0.017 χ^2/NDF:5115946.8/54

All: 132.222+/-0.012 χ^2/NDF: 9442512.7/102

asym_sam2_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.042 χ^2/NDF: 25.4/29

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

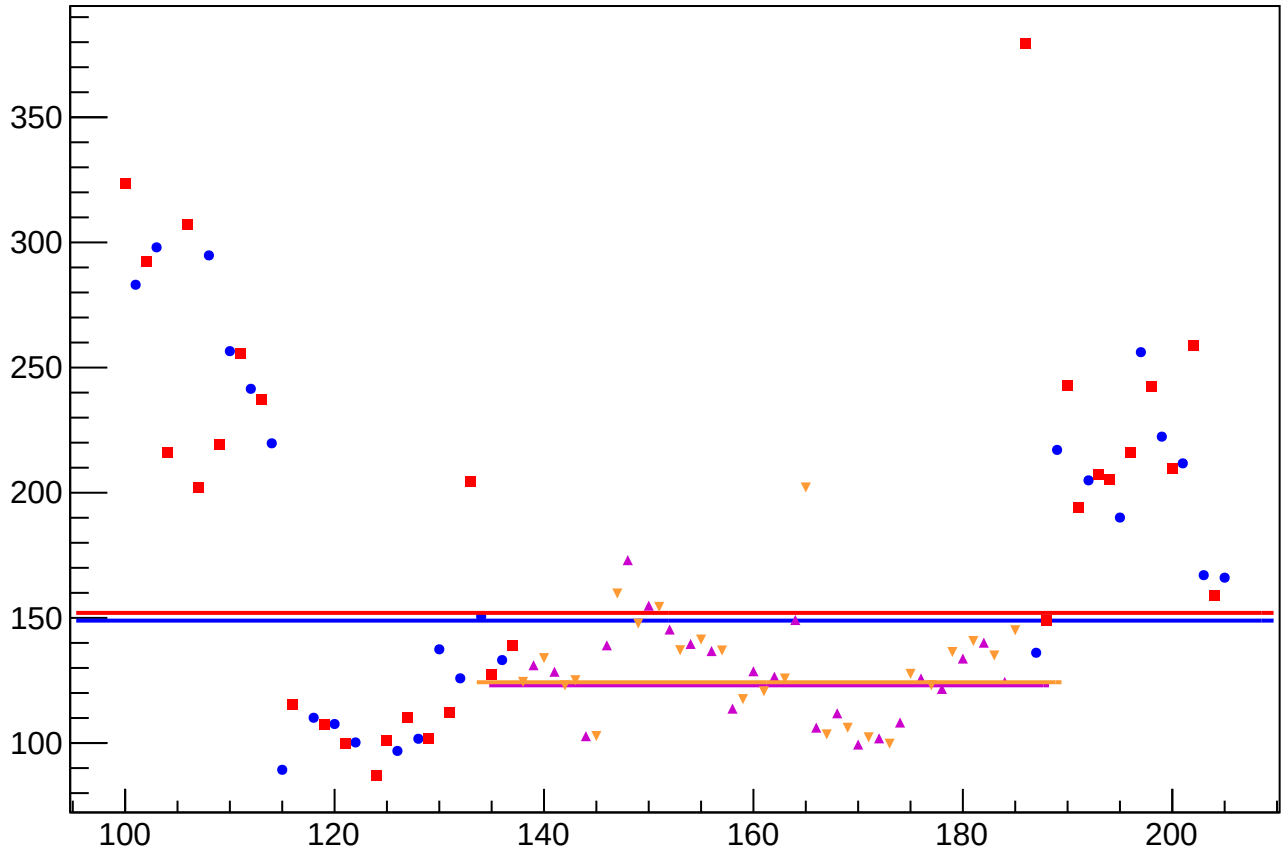
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: 0.002+/-0.030 χ^2/NDF: 51.8/54

In: 0.014+/-0.024 χ^2/NDF:46.8/47

Out: 0.042+/-0.024 χ^2/NDF:54.3/54

All: 0.028+/-0.017 χ^2/NDF: 101.8/102



Right In: 148.912+/-0.030 χ^2/NDF: 3106040.2/24

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.997+/-0.030 χ^2/NDF: 3682451.4/29

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

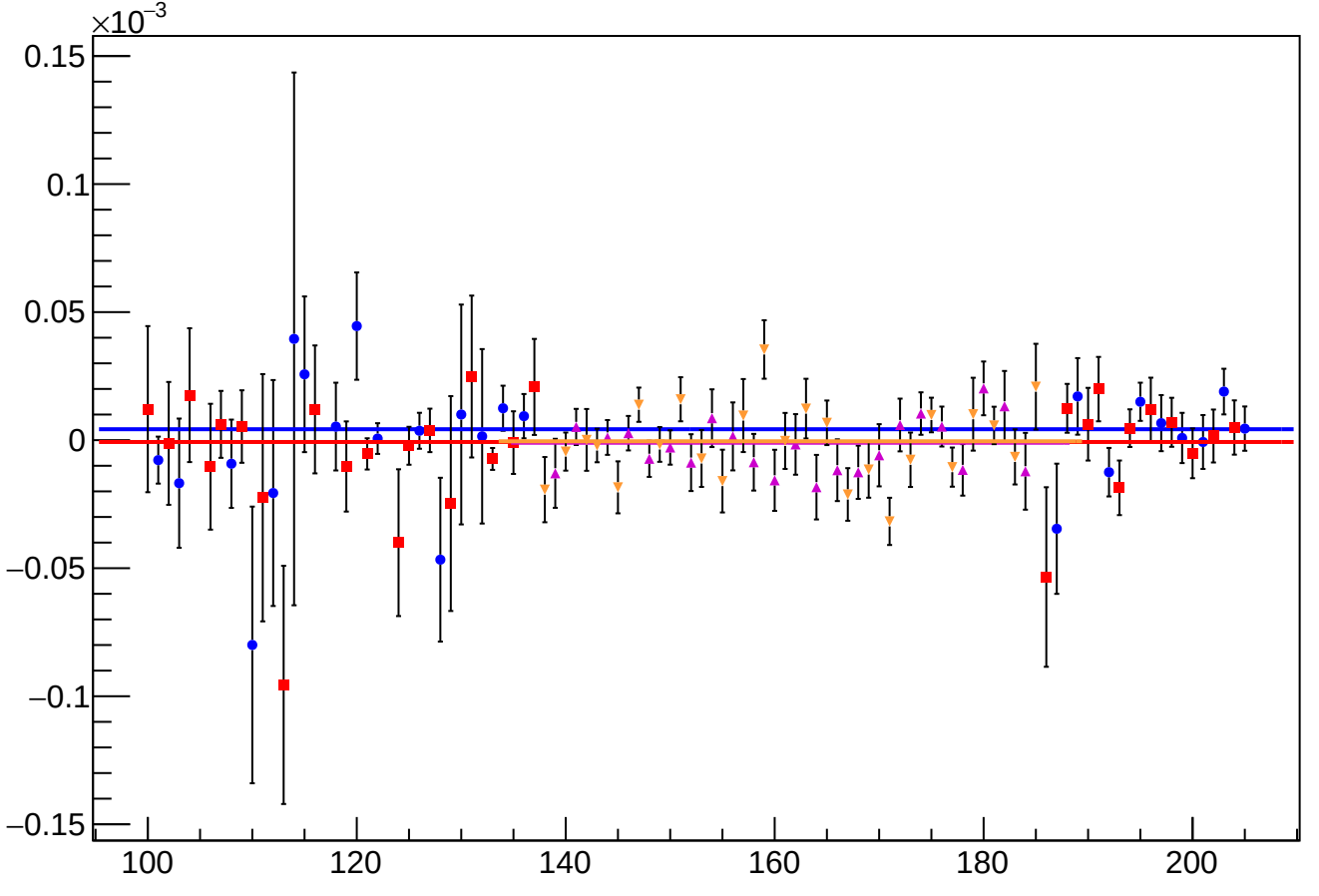
Left: 123.690+/-0.015 χ^2/NDF: 1561601.6/47

Right: 150.482+/-0.021 χ^2/NDF: 6793776.3/54

In: 131.319+/-0.017 χ^2/NDF:4321107.4/47

Out: 133.088+/-0.017 χ^2/NDF:5115946.8/54

All: 132.222+/-0.012 χ^2/NDF: 9442512.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/29

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

Left: -0.000+/-0.000 χ^2/NDF: 72.5/47

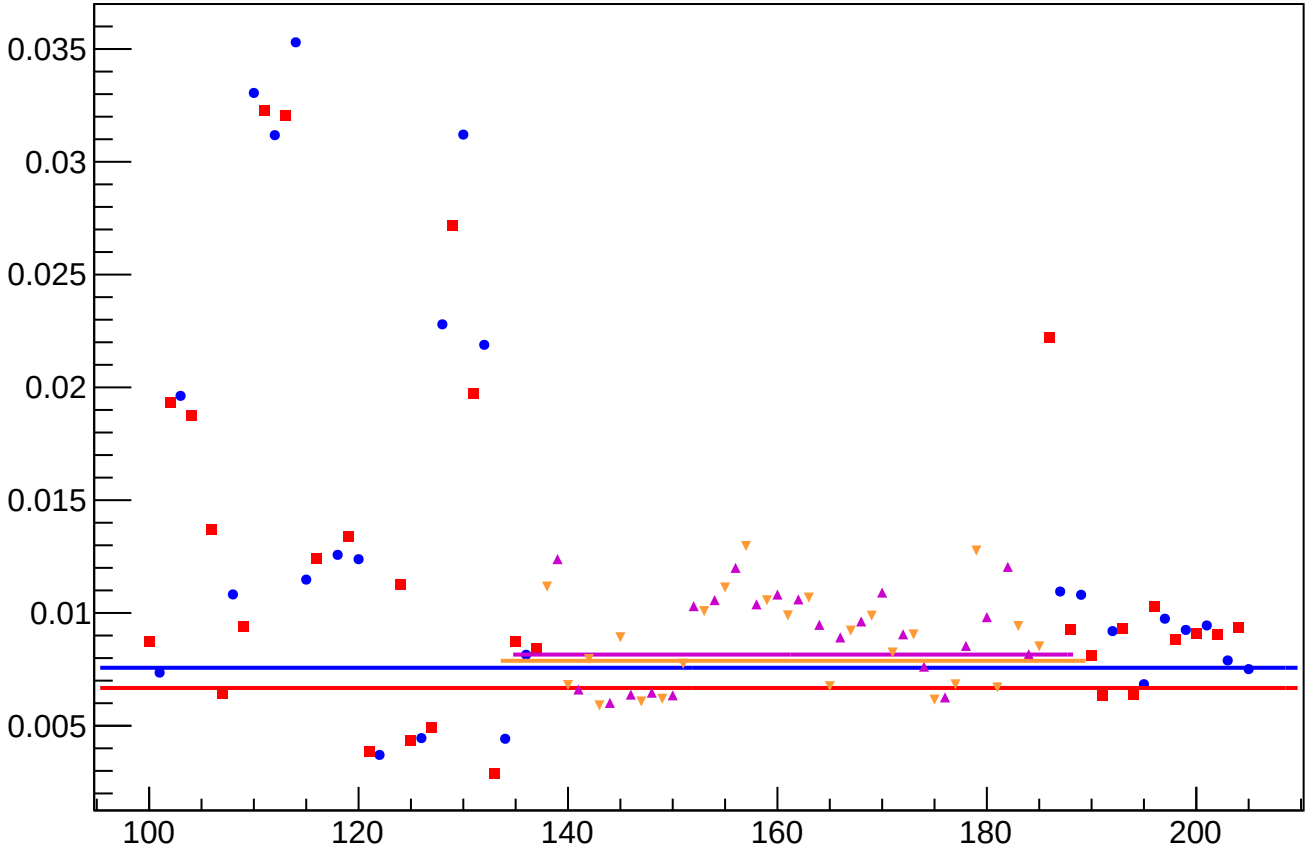
Right: 0.000+/-0.000 χ^2/NDF: 54.6/54

In: 0.000+/-0.000 χ^2/NDF:48.6/47

Out: -0.000+/-0.000 χ^2/NDF:78.8/54

All: 0.000+/-0.000 χ^2/NDF: 128.3/102

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.008+/-0.000 χ^2/NDF: 5311366.2/24

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7339704.8/29

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

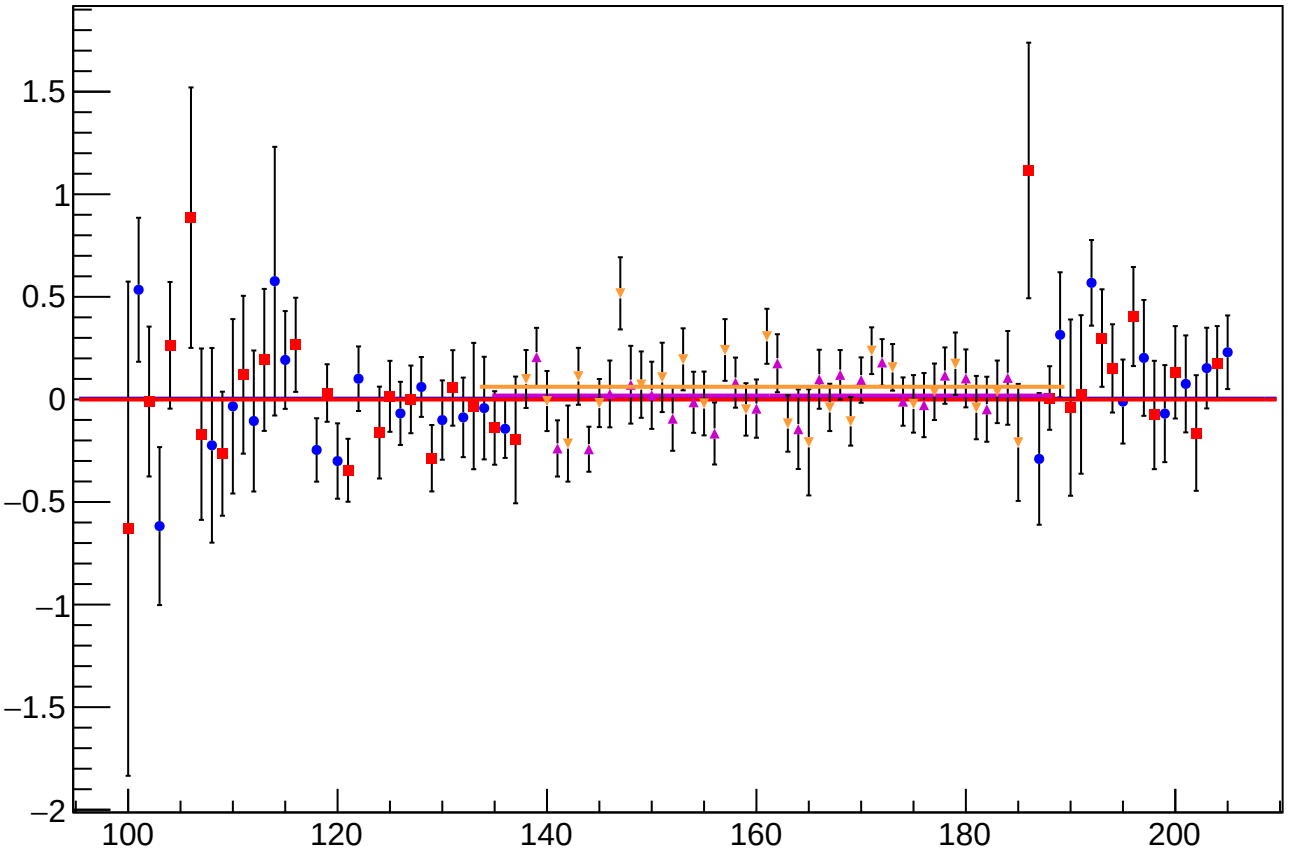
Left: 0.008+/-0.000 χ^2/NDF: 4114921.6/47

Right: 0.007+/-0.000 χ^2/NDF: 12822767.3/54

In: 0.008+/-0.000 χ^2/NDF:7403547.1/47

Out: 0.007+/-0.000 χ^2/NDF:9802671.3/54

All: 0.008+/-0.000 χ^2/NDF: 17367286.1/102



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.042 χ^2/NDF: 25.4/29

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

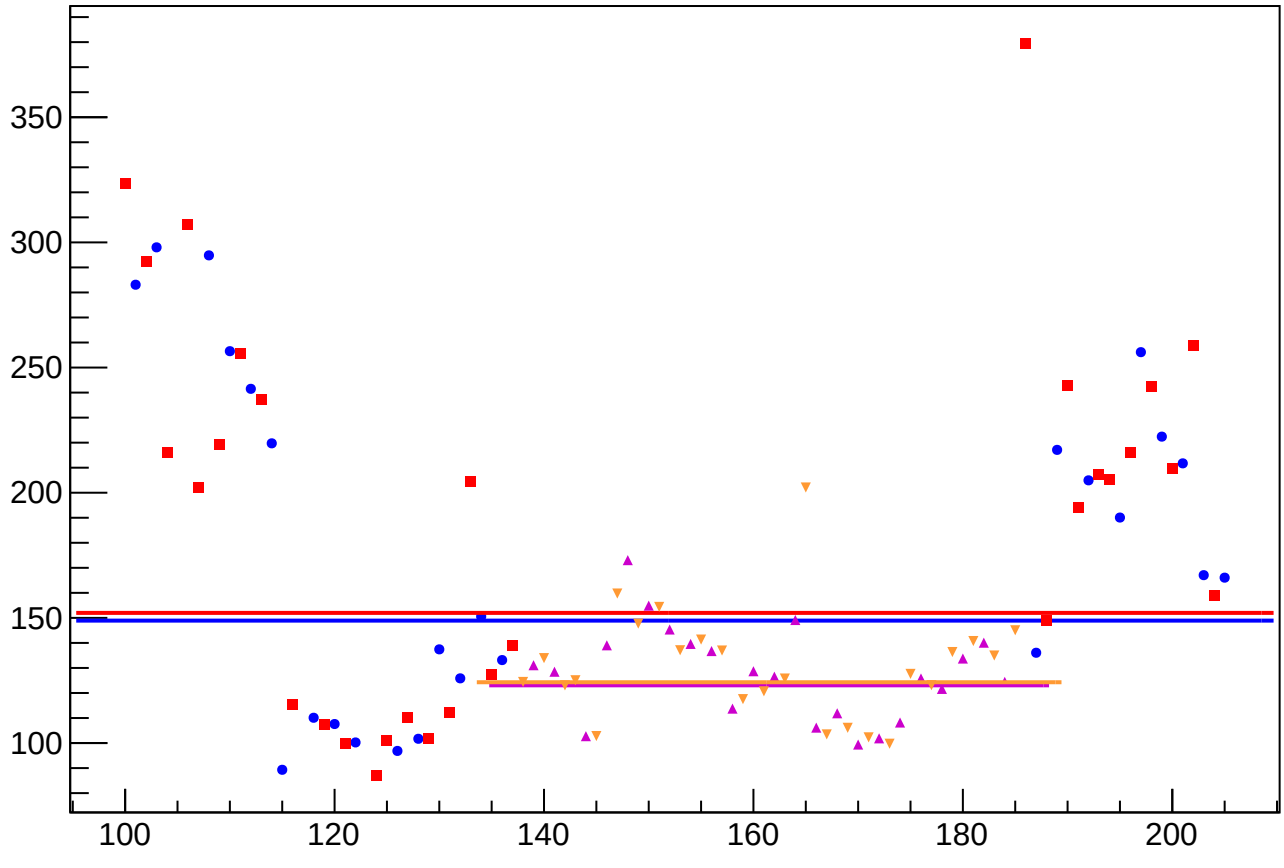
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: 0.002+/-0.030 χ^2/NDF: 51.8/54

In: 0.014+/-0.024 χ^2/NDF:46.8/47

Out: 0.042+/-0.024 χ^2/NDF:54.3/54

All: 0.028+/-0.017 χ^2/NDF: 101.8/102



Right In: 148.910+/-0.030 χ^2/NDF: 3106100.1/24

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.995+/-0.030 χ^2/NDF: 3682572.2/29

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

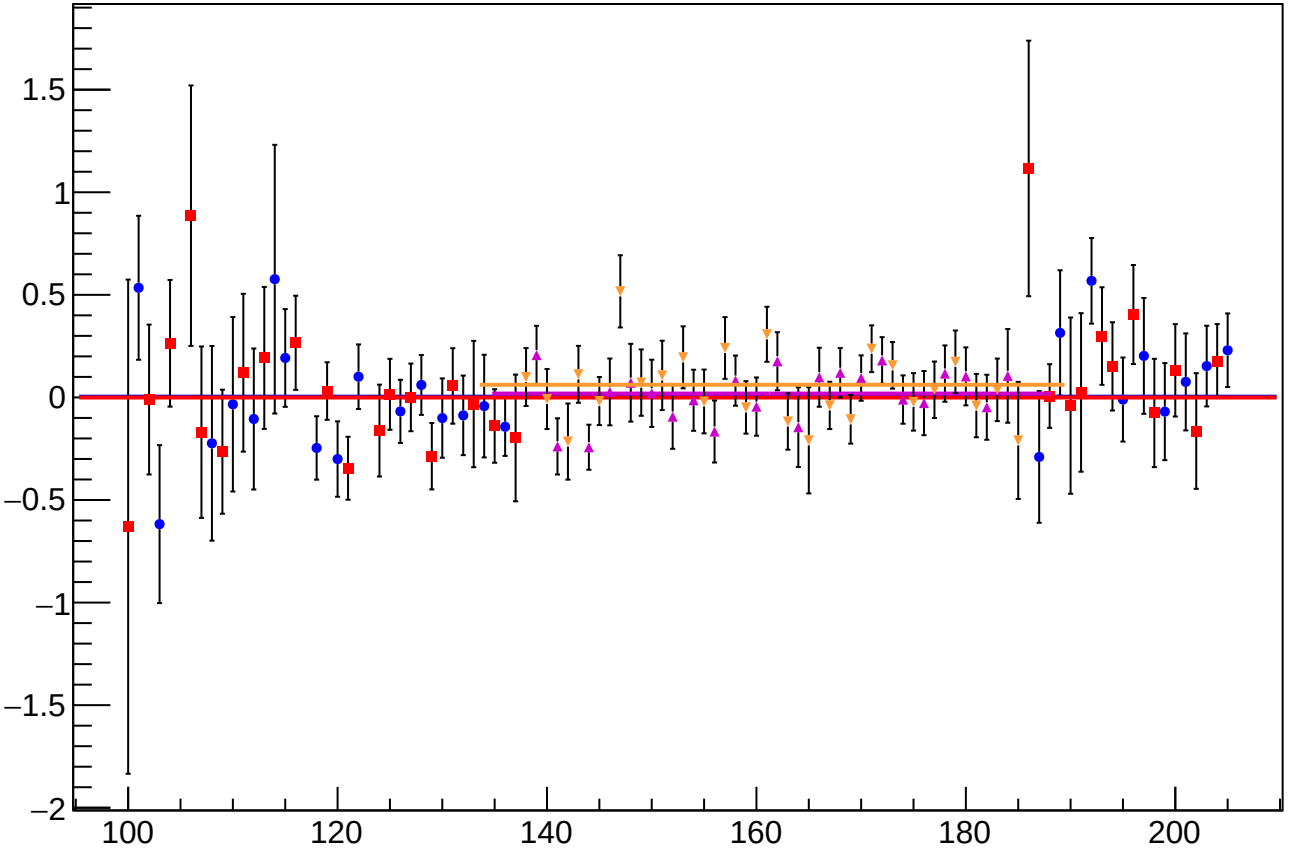
Right: 150.480+/-0.021 χ^2/NDF: 6793957.4/54

In: 131.318+/-0.017 χ^2/NDF:4321111.4/47

Out: 133.088+/-0.017 χ^2/NDF:5116028.3/54

All: 132.221+/-0.012 χ^2/NDF: 9442598.9/102

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.042 χ^2/NDF: 25.4/29

Left In: 0.019+/-0.029 χ^2/NDF:20.3/22

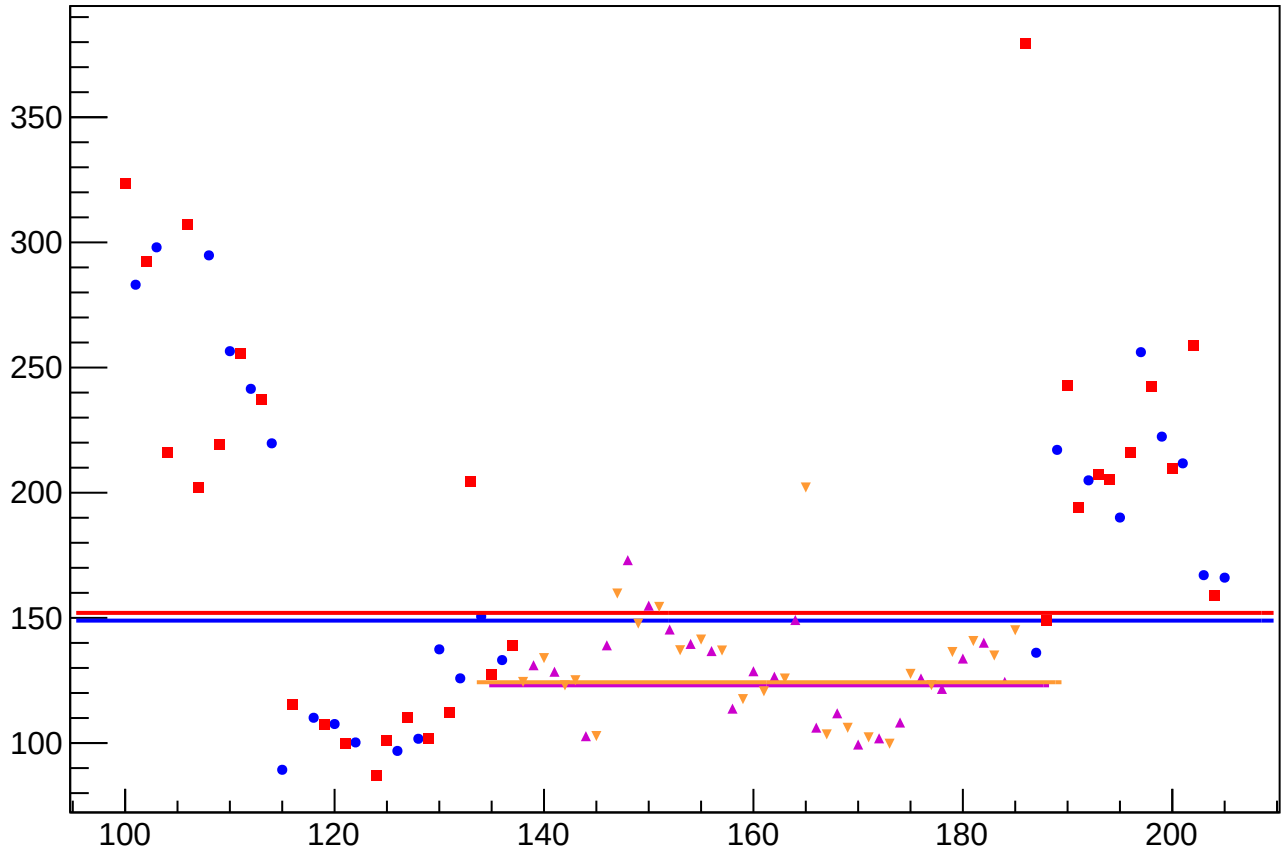
Left: 0.041+/-0.021 χ^2/NDF: 48.8/47

Right: 0.002+/-0.030 χ^2/NDF: 51.8/54

In: 0.014+/-0.024 χ^2/NDF:46.8/47

Out: 0.042+/-0.024 χ^2/NDF:54.3/54

All: 0.028+/-0.017 χ^2/NDF: 101.8/102



Right In: 148.910+/-0.030 χ^2/NDF: 3106100.1/24

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 151.995+/-0.030 χ^2/NDF: 3682572.2/29

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

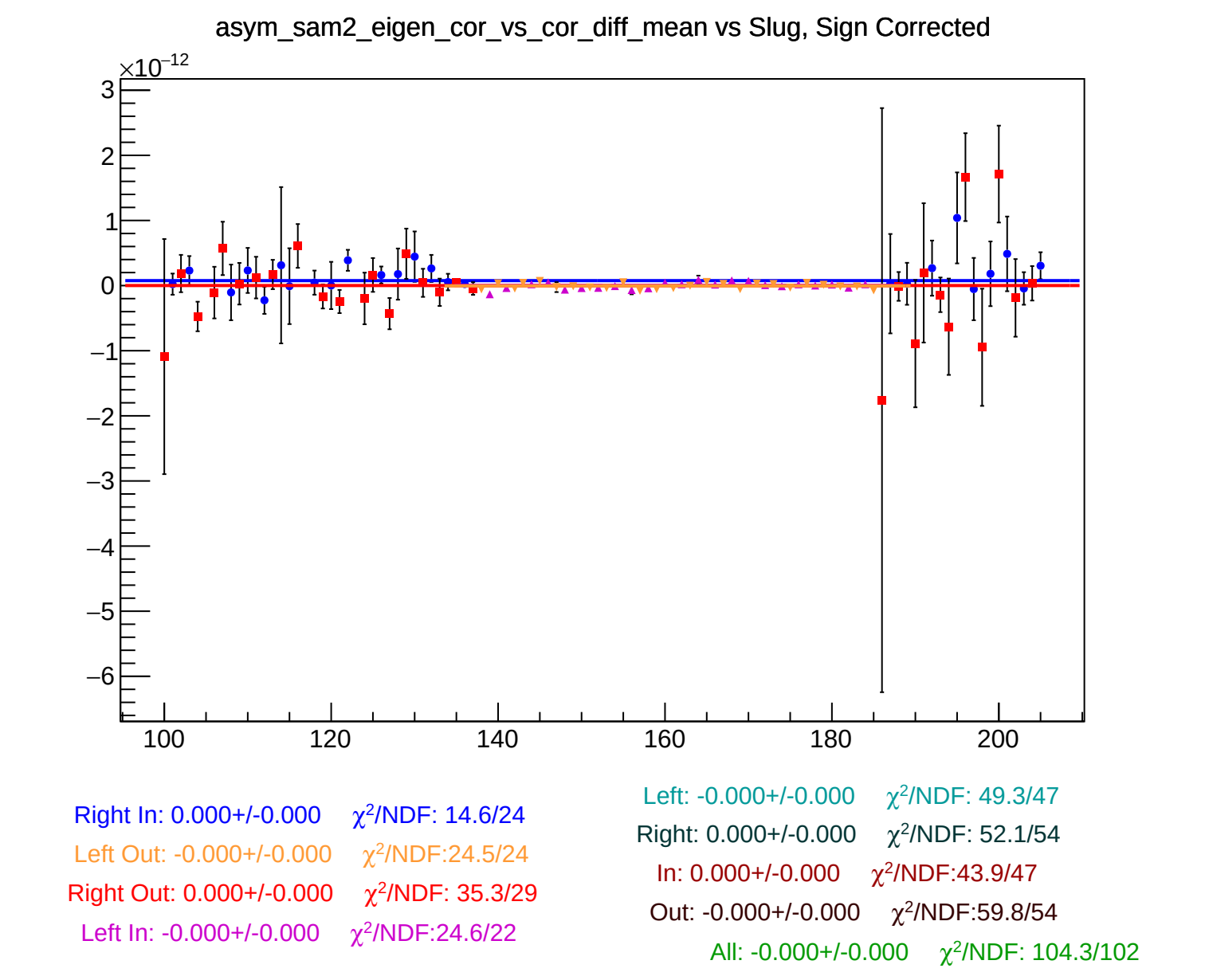
Left: 123.690+/-0.015 χ^2/NDF: 1561677.7/47

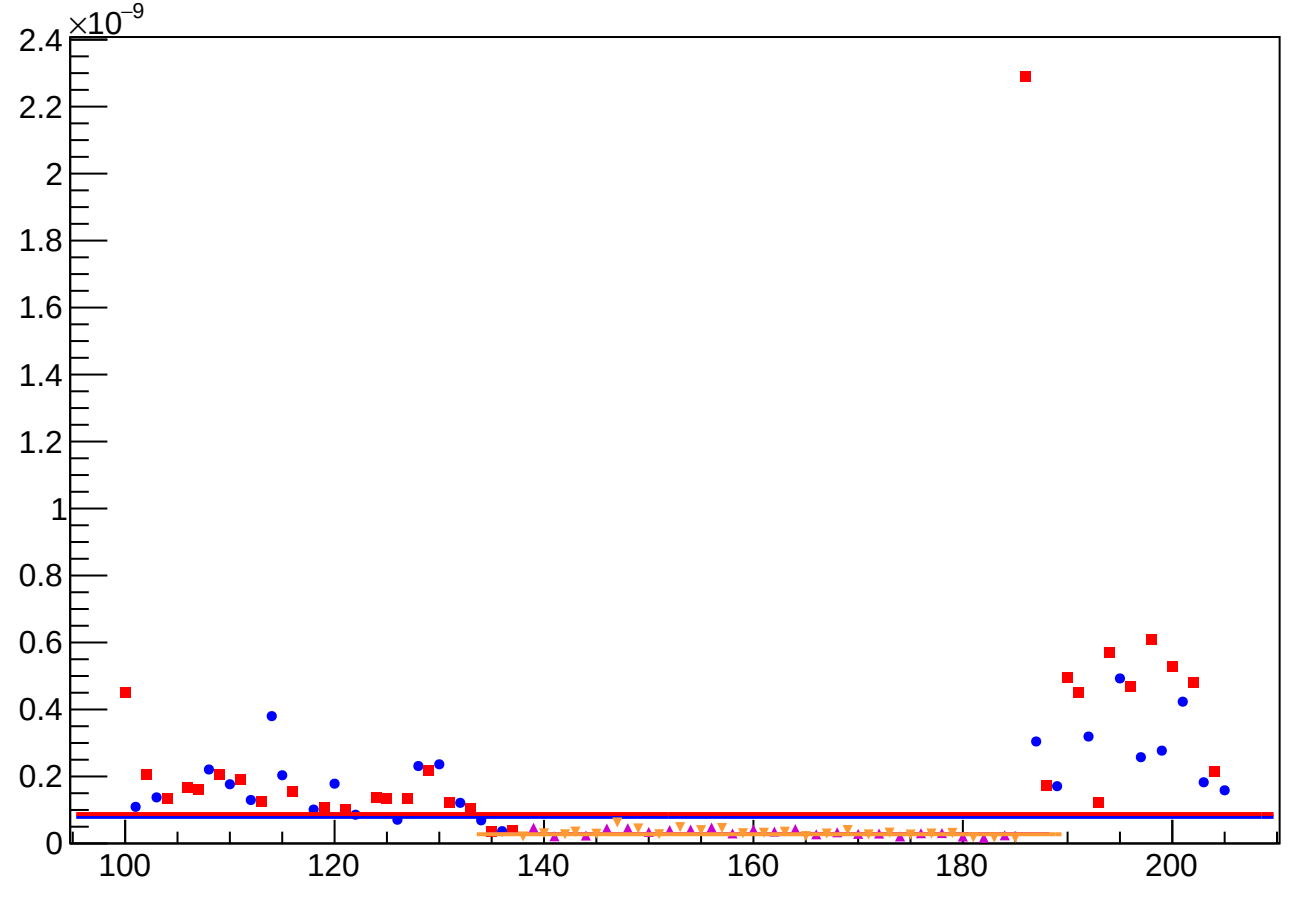
Right: 150.480+/-0.021 χ^2/NDF: 6793957.4/54

In: 131.318+/-0.017 χ^2/NDF:4321111.4/47

Out: 133.088+/-0.017 χ^2/NDF:5116028.3/54

All: 132.221+/-0.012 χ^2/NDF: 9442598.9/102


asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 14.6/24
Left Out: -0.000+/-0.000 χ²/NDF:24.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.3/29
Left In: -0.000+/-0.000 χ²/NDF:24.6/22
Left: -0.000+/-0.000 χ²/NDF: 49.3/47
Right: 0.000+/-0.000 χ²/NDF: 52.1/54
In: 0.000+/-0.000 χ²/NDF:43.9/47
Out: -0.000+/-0.000 χ²/NDF:59.8/54
All: -0.000+/-0.000 χ²/NDF: 104.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 7039966.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9477031.8/29

Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

Left: 0.000+/-0.000 χ^2/NDF: 4602499.0/47

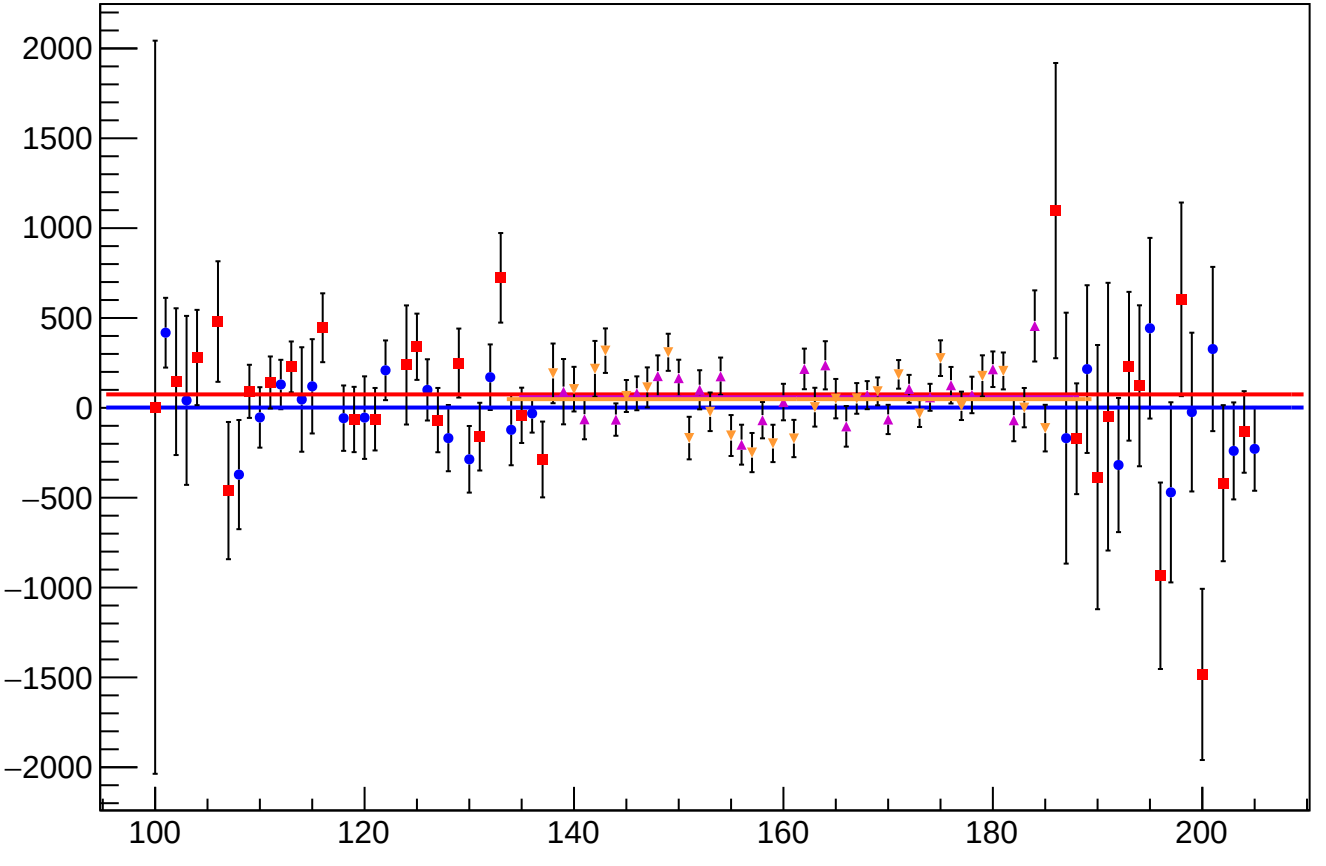
Right: 0.000+/-0.000 χ^2/NDF: 16570281.8/54

In: 0.000+/-0.000 χ^2/NDF:13379943.9/47

Out: 0.000+/-0.000 χ^2/NDF:16791392.1/54

All: 0.000+/-0.000 χ^2/NDF: 30186421.3/102

reg_asym_sam3_mean vs Slug, Sign Corrected



Right In: 1.684+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: 74.834+/-43.074 χ^2/NDF: 46.4/29

Left In: 59.014+/-21.156 χ^2/NDF:30.6/22

Left: 53.516+/-14.694 χ^2/NDF: 84.3/47

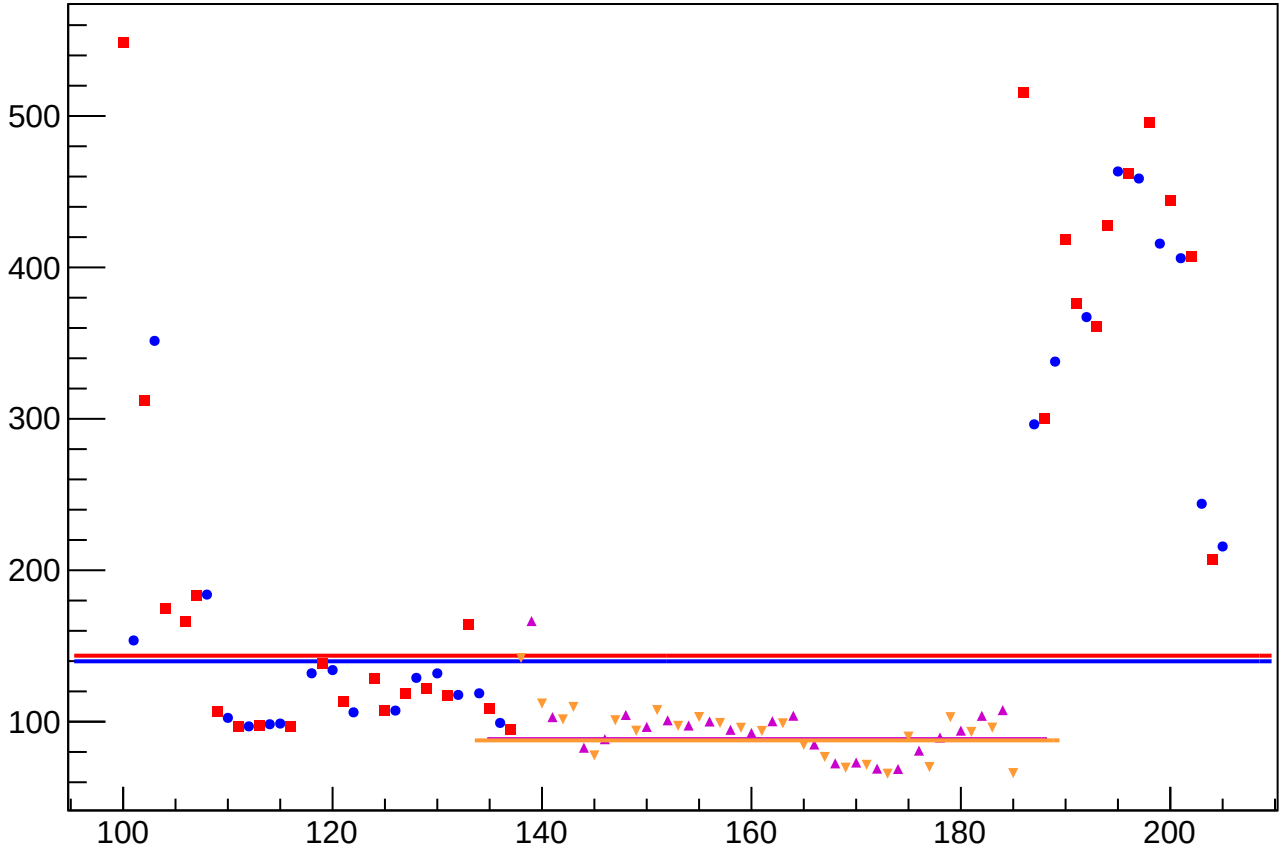
Right: 38.139+/-30.408 χ^2/NDF: 66.8/54

In: 47.812+/-18.977 χ^2/NDF:51.0/47

Out: 53.246+/-18.454 χ^2/NDF:100.3/54

All: 50.605+/-13.230 χ^2/NDF: 151.3/102

reg_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.875+/-0.030 χ^2/NDF: 6162580.1/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.594+/-0.030 χ^2/NDF: 7664386.4/29

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

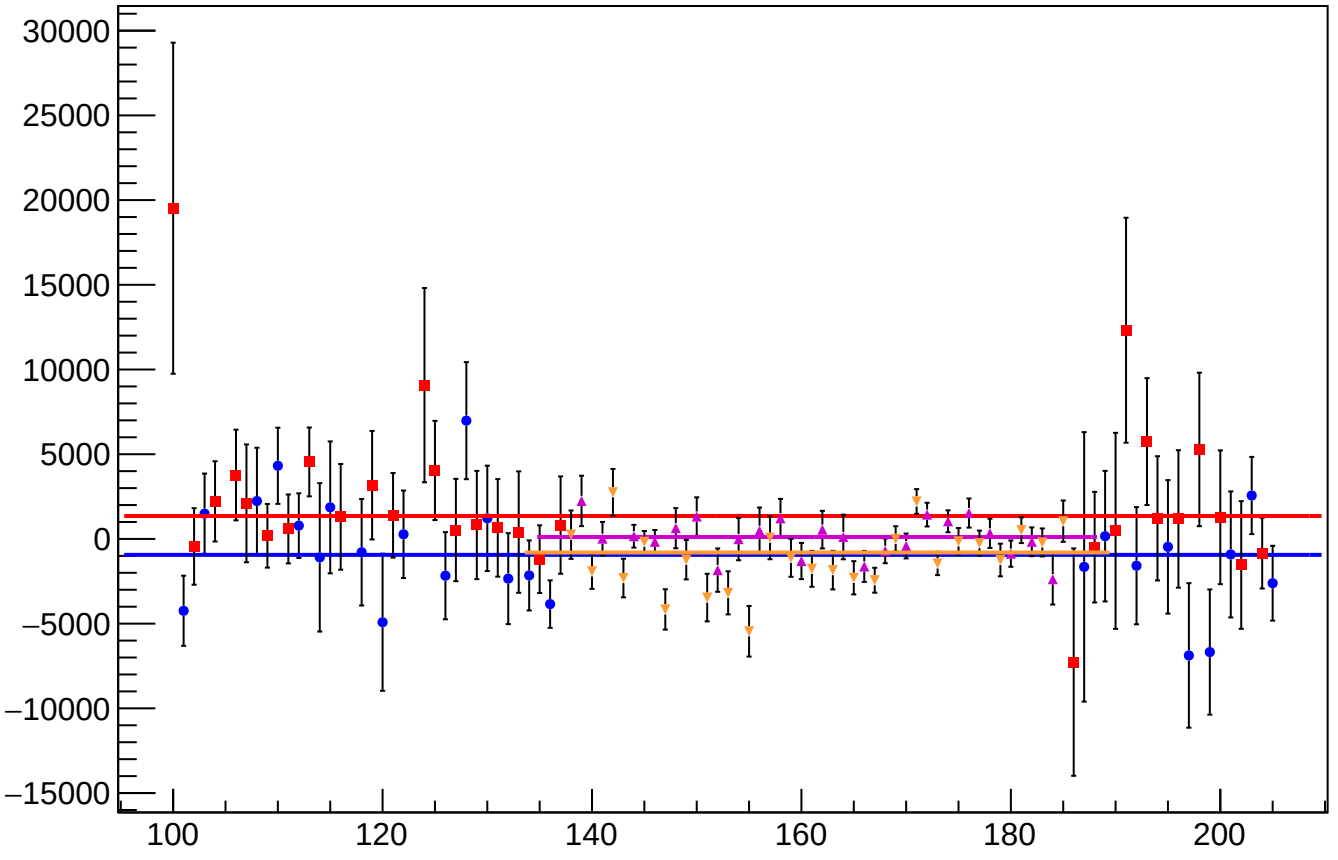
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 141.728+/-0.022 χ^2/NDF: 13834447.0/54

In: 98.524+/-0.013 χ^2/NDF:9544156.9/47

Out: 97.923+/-0.013 χ^2/NDF:11631579.5/54

All: 98.215+/-0.009 χ^2/NDF: 21176765.7/102



Right In: -940.392+/-537.250 χ^2/NDF: 30.9/24

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: 1354.331+/-538.483 χ^2/NDF: 21.5/29

Left In: 112.483+/-190.269 χ^2/NDF:27.1/22

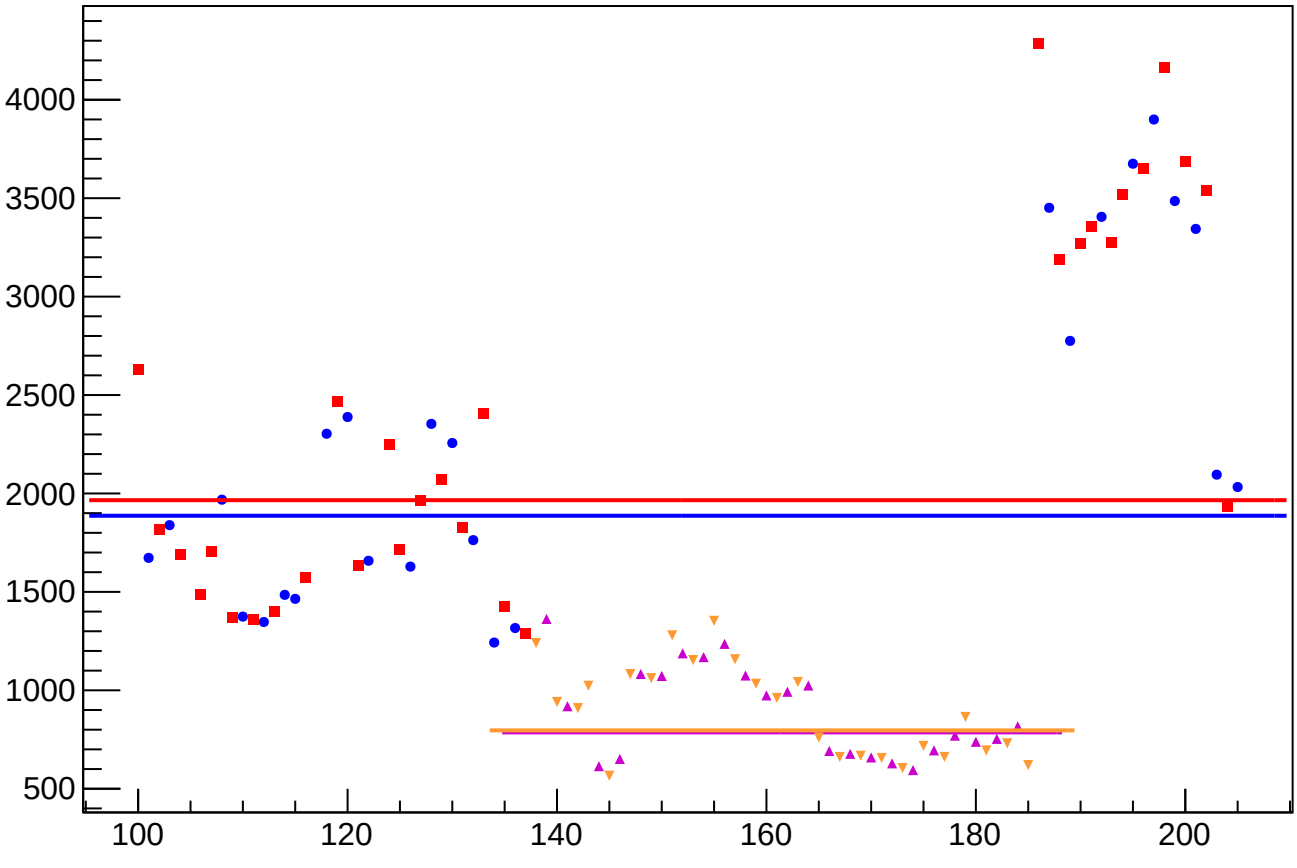
Left: -350.590+/-133.643 χ^2/NDF: 110.6/47

Right: 204.339+/-380.328 χ^2/NDF: 61.5/54

In: -4.857+/-179.354 χ^2/NDF:61.4/47

Out: -567.822+/-177.287 χ^2/NDF:107.7/54

All: -289.601+/-126.085 χ^2/NDF: 174.1/102



Right In: 1886.750+/-0.380 χ^2/NDF: 3156869.9/24

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1965.844+/-0.381 χ^2/NDF: 3944841.2/29

Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

Left: 791.497+/-0.094 χ^2/NDF: 4577361.0/47

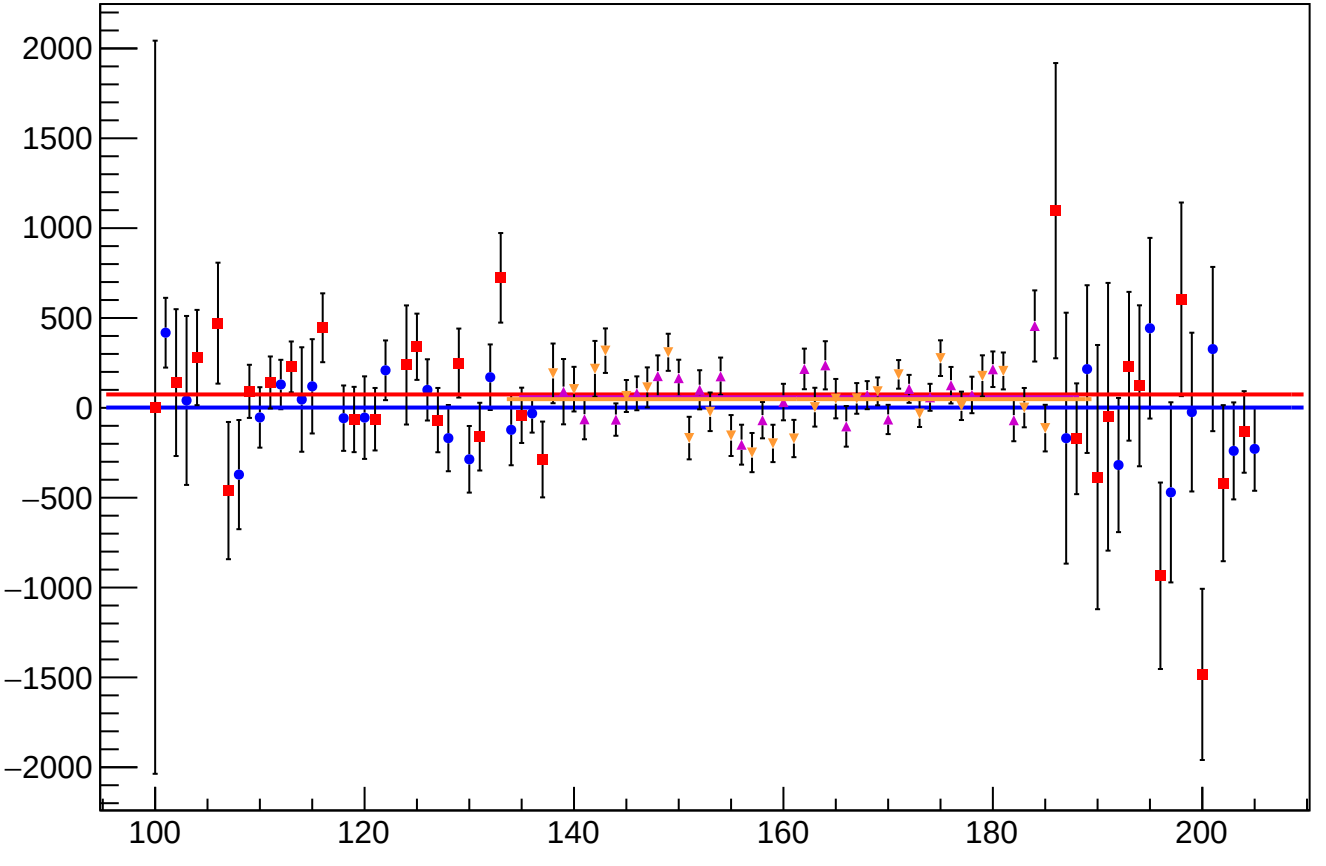
Right: 1926.206+/-0.269 χ^2/NDF: 7123335.7/54

In: 908.974+/-0.127 χ^2/NDF:12768890.6/47

Out: 923.273+/-0.125 χ^2/NDF:14771361.1/54

All: 916.206+/-0.089 χ^2/NDF: 27546681.8/10

cor_asym_sam3_mean vs Slug, Sign Corrected



Right In: 1.669+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 74.581+/-43.076 χ^2/NDF: 46.3/29

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

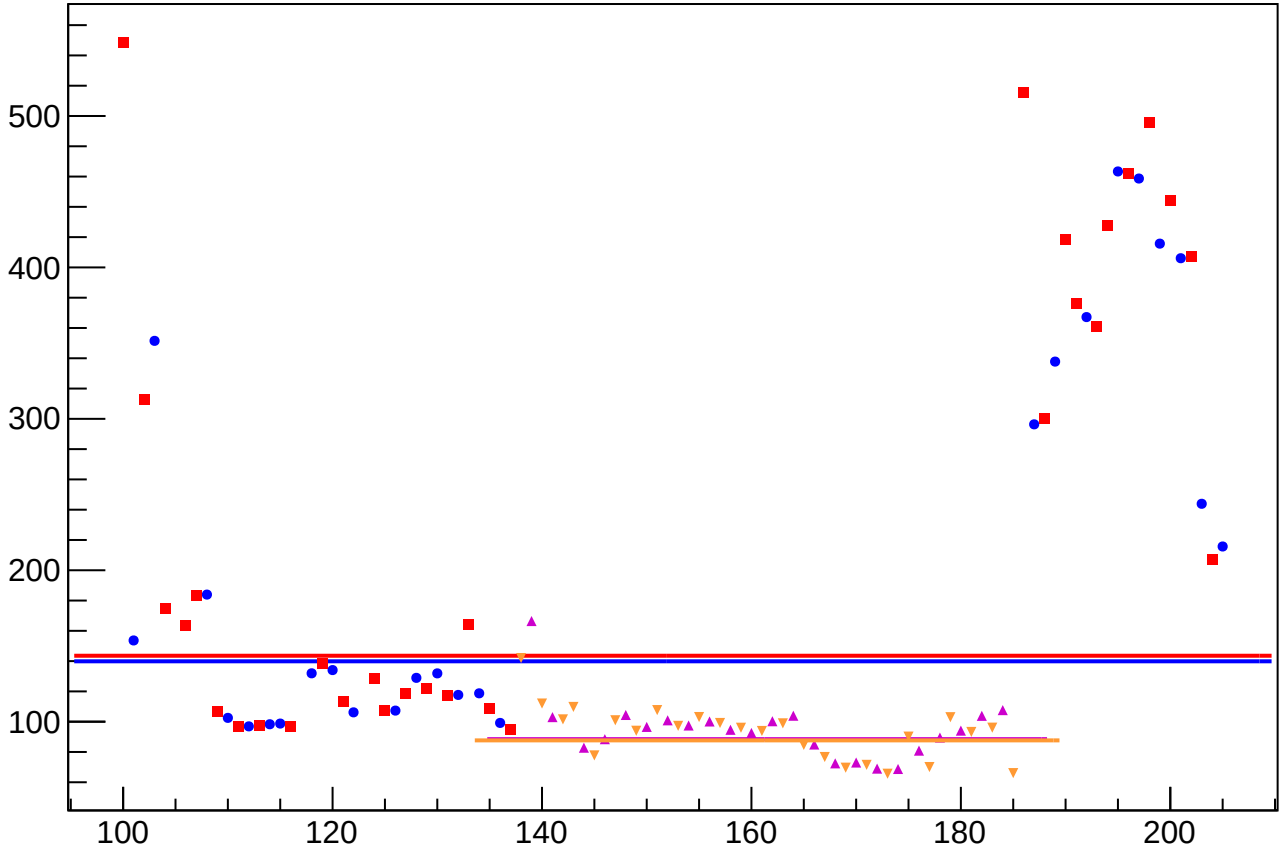
Right: 38.003+/-30.409 χ^2/NDF: 66.7/54

In: 47.812+/-18.977 χ^2/NDF:51.0/47

Out: 53.204+/-18.454 χ^2/NDF:100.2/54

All: 50.583+/-13.230 χ^2/NDF: 151.2/102

cor_asym_sam3_rms vs Slug, Sign Corrected



Right In: 139.875+/-0.030 χ^2/NDF: 6162582.5/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.551+/-0.030 χ^2/NDF: 7662630.3/29

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

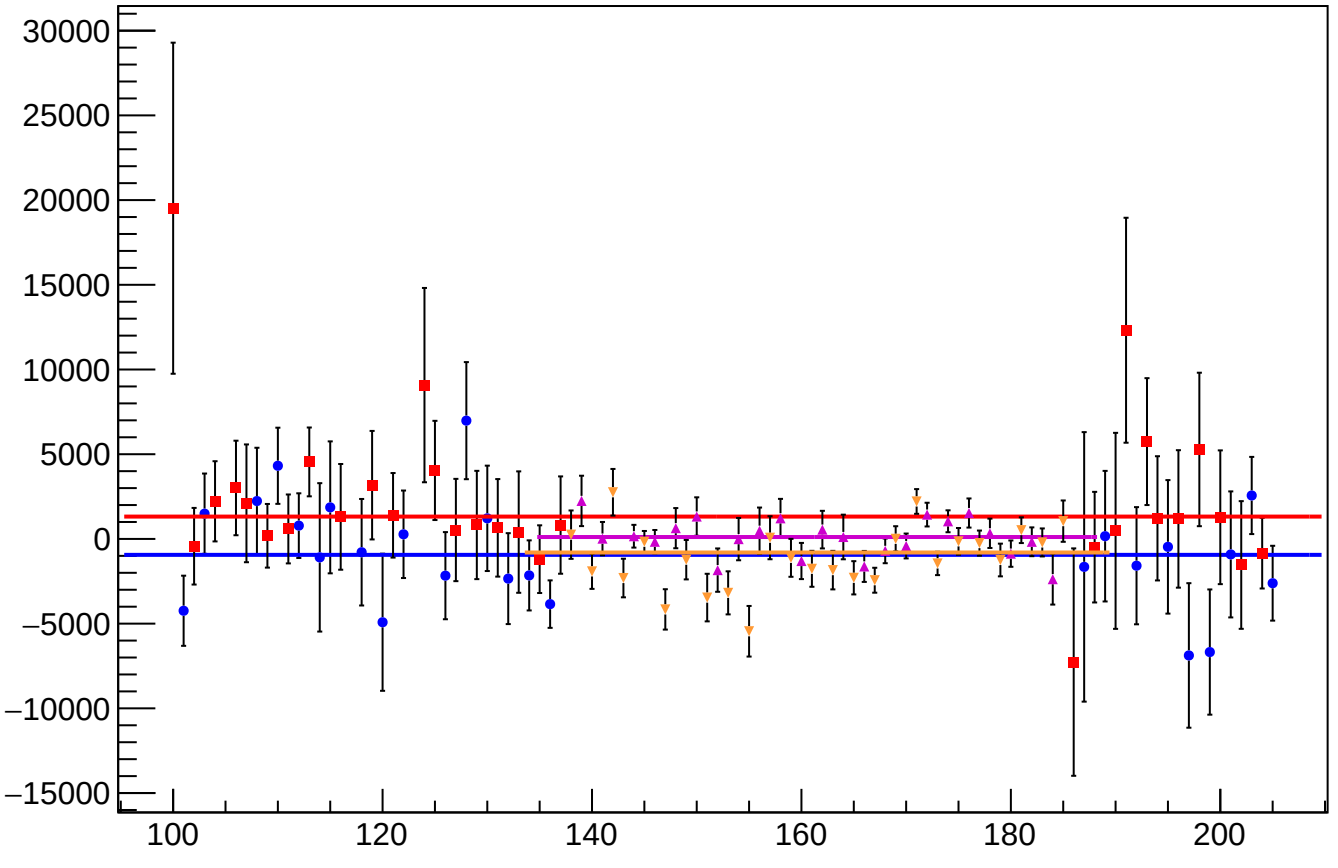
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 141.707+/-0.022 χ^2/NDF: 13832521.7/54

In: 98.524+/-0.013 χ^2/NDF:9544158.6/47

Out: 97.914+/-0.013 χ^2/NDF:11625350.6/54

All: 98.210+/-0.009 χ^2/NDF: 21170569.1/102



Right In: -940.379+/-537.253 χ^2/NDF: 30.9/24

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1318.829+/-539.394 χ^2/NDF: 21.0/29

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

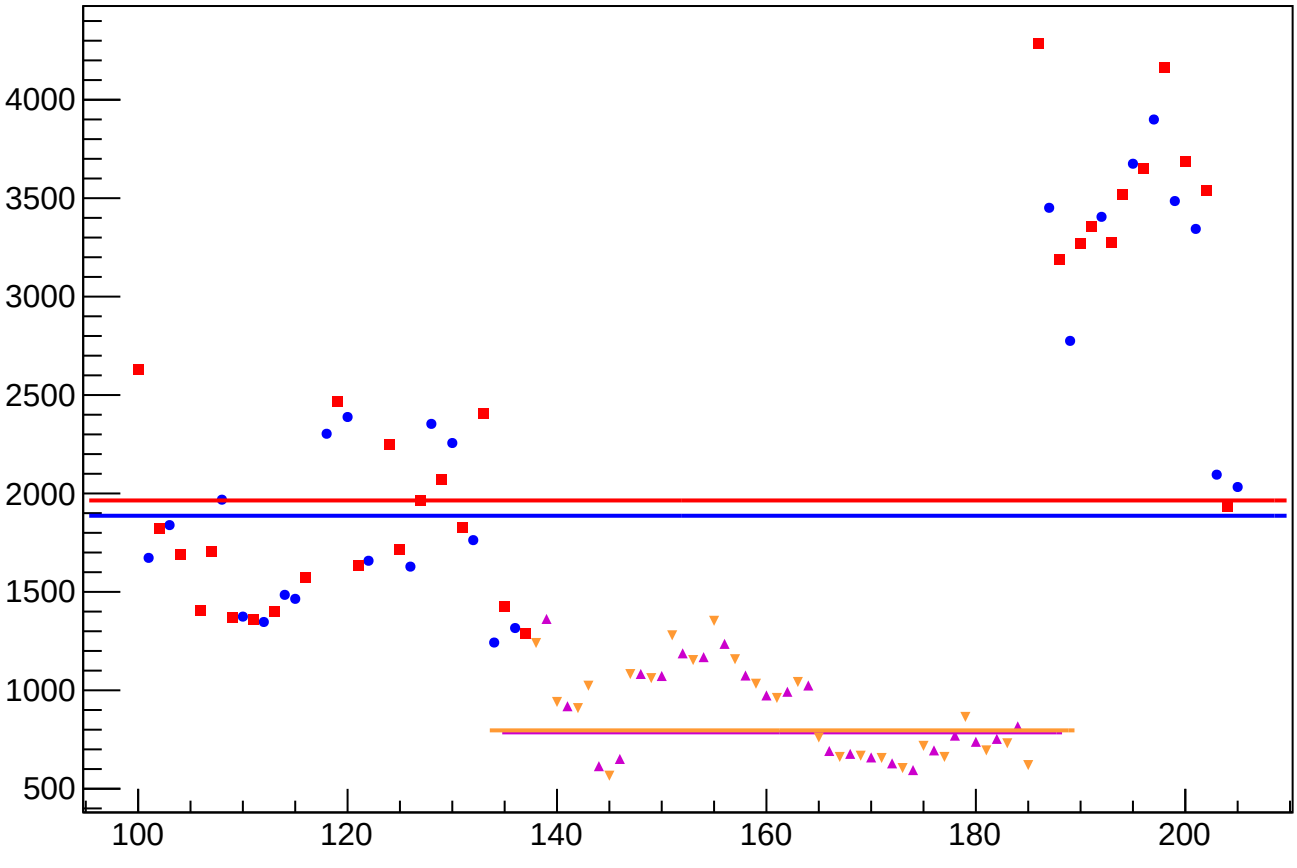
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 184.732+/-380.650 χ^2/NDF: 60.8/54

In: -4.853+/-179.354 χ^2/NDF:61.4/47

Out: -572.356+/-177.320 χ^2/NDF:106.7/54

All: -291.841+/-126.097 χ^2/NDF: 173.2/102



Right In: 1886.760+/-0.380 χ^2/NDF: 3156867.3/24

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1964.489+/-0.381 χ^2/NDF: 3961082.0/29

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

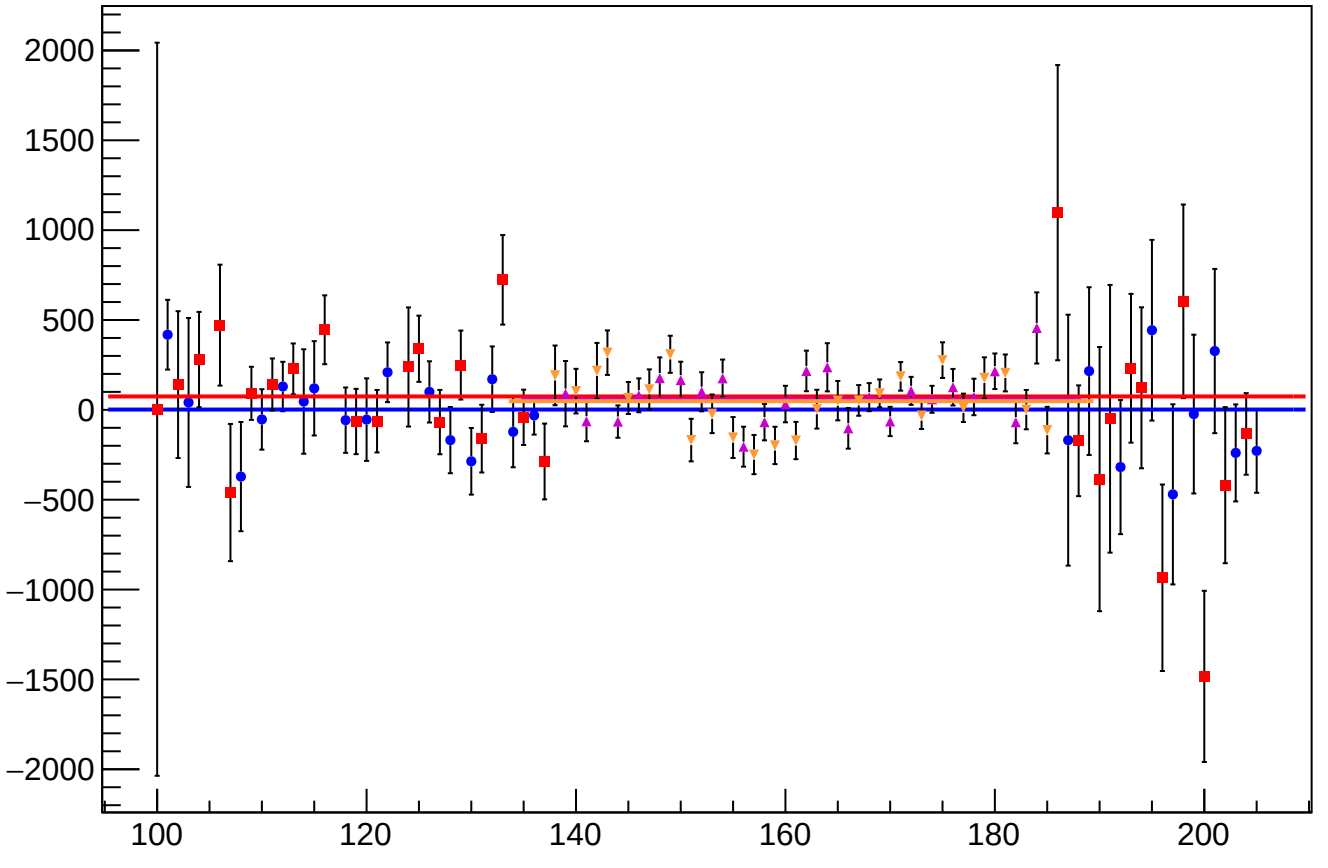
Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

Right: 1925.470+/-0.269 χ^2/NDF: 7138797.9/54

In: 908.974+/-0.127 χ^2/NDF:12768948.2/47

Out: 922.745+/-0.125 χ^2/NDF:14742851.8/54

All: 915.938+/-0.089 χ^2/NDF: 27517762.5/10



Right In: 1.669+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: 74.581+/-43.076 χ^2/NDF: 46.3/29

Left In: 59.016+/-21.156 χ^2/NDF:30.6/22

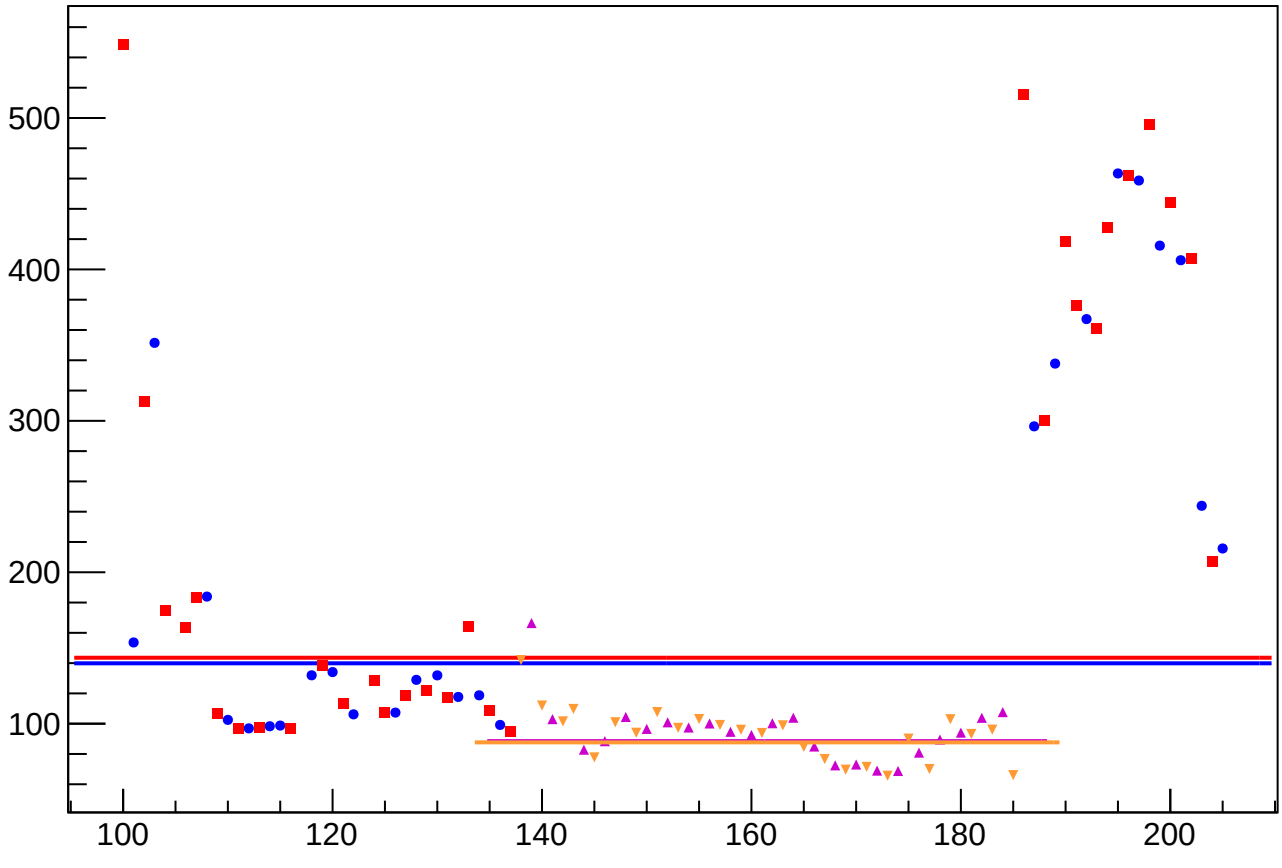
Left: 53.521+/-14.694 χ^2/NDF: 84.3/47

Right: 38.003+/-30.409 χ^2/NDF: 66.7/54

In: 47.812+/-18.977 χ^2/NDF:51.0/47

Out: 53.204+/-18.454 χ^2/NDF:100.2/54

All: 50.583+/-13.230 χ^2/NDF: 151.2/102



Right In: 139.875+/-0.030 χ^2/NDF: 6162582.5/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 143.551+/-0.030 χ^2/NDF: 7662630.3/29

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

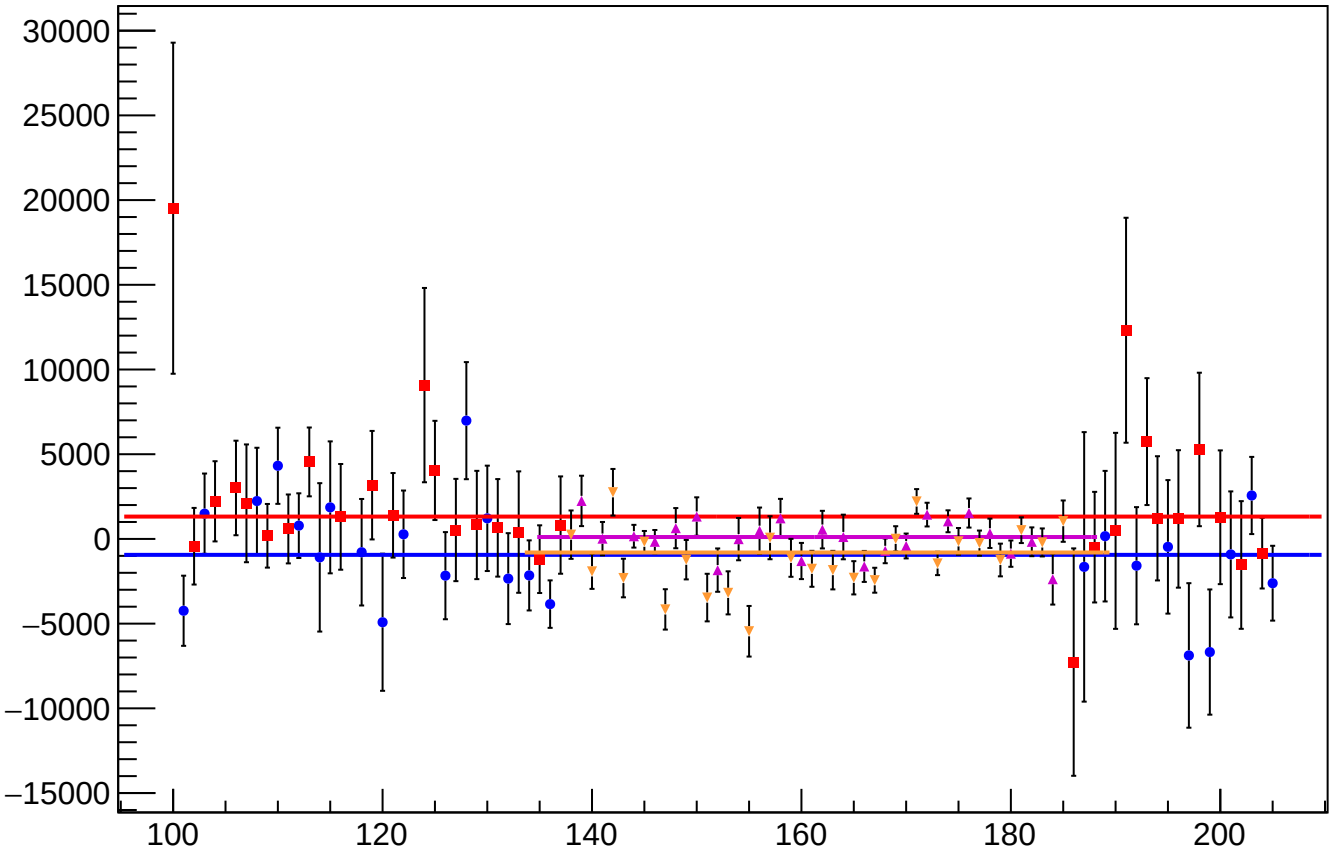
Left: 88.055+/-0.010 χ^2/NDF: 2290553.6/47

Right: 141.707+/-0.022 χ^2/NDF: 13832521.7/54

In: 98.524+/-0.013 χ^2/NDF:9544158.6/47

Out: 97.914+/-0.013 χ^2/NDF:11625350.6/54

All: 98.210+/-0.009 χ^2/NDF: 21170569.1/102



Right In: -940.379+/-537.253 χ^2/NDF: 30.9/24

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: 1318.829+/-539.394 χ^2/NDF: 21.0/29

Left In: 112.485+/-190.269 χ^2/NDF:27.1/22

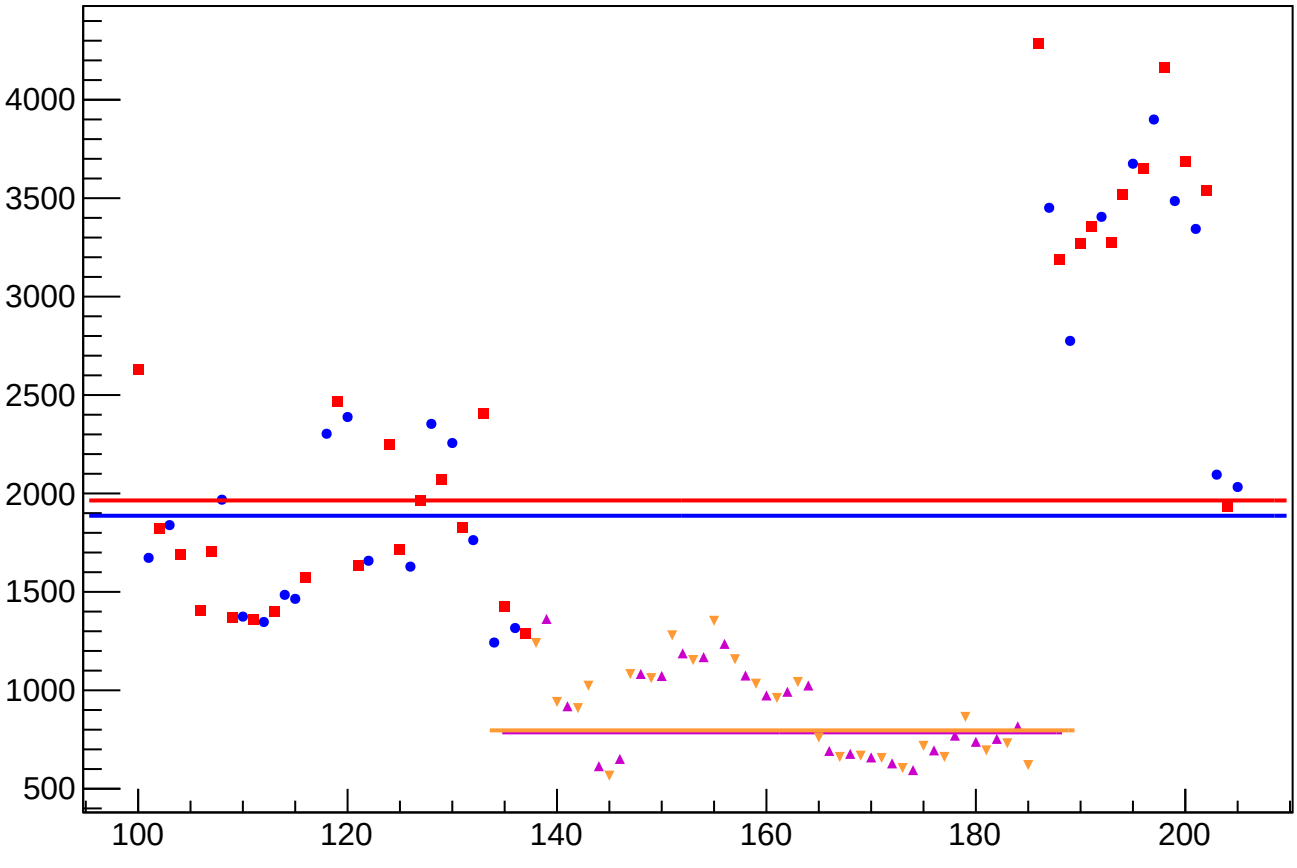
Left: -350.586+/-133.643 χ^2/NDF: 110.6/47

Right: 184.732+/-380.650 χ^2/NDF: 60.8/54

In: -4.853+/-179.354 χ^2/NDF:61.4/47

Out: -572.356+/-177.320 χ^2/NDF:106.7/54

All: -291.841+/-126.097 χ^2/NDF: 173.2/102



Right In: 1886.760+/-0.380 χ^2/NDF: 3156867.3/24

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1964.489+/-0.381 χ^2/NDF: 3961082.0/29

Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

Left: 791.497+/-0.094 χ^2/NDF: 4577356.9/47

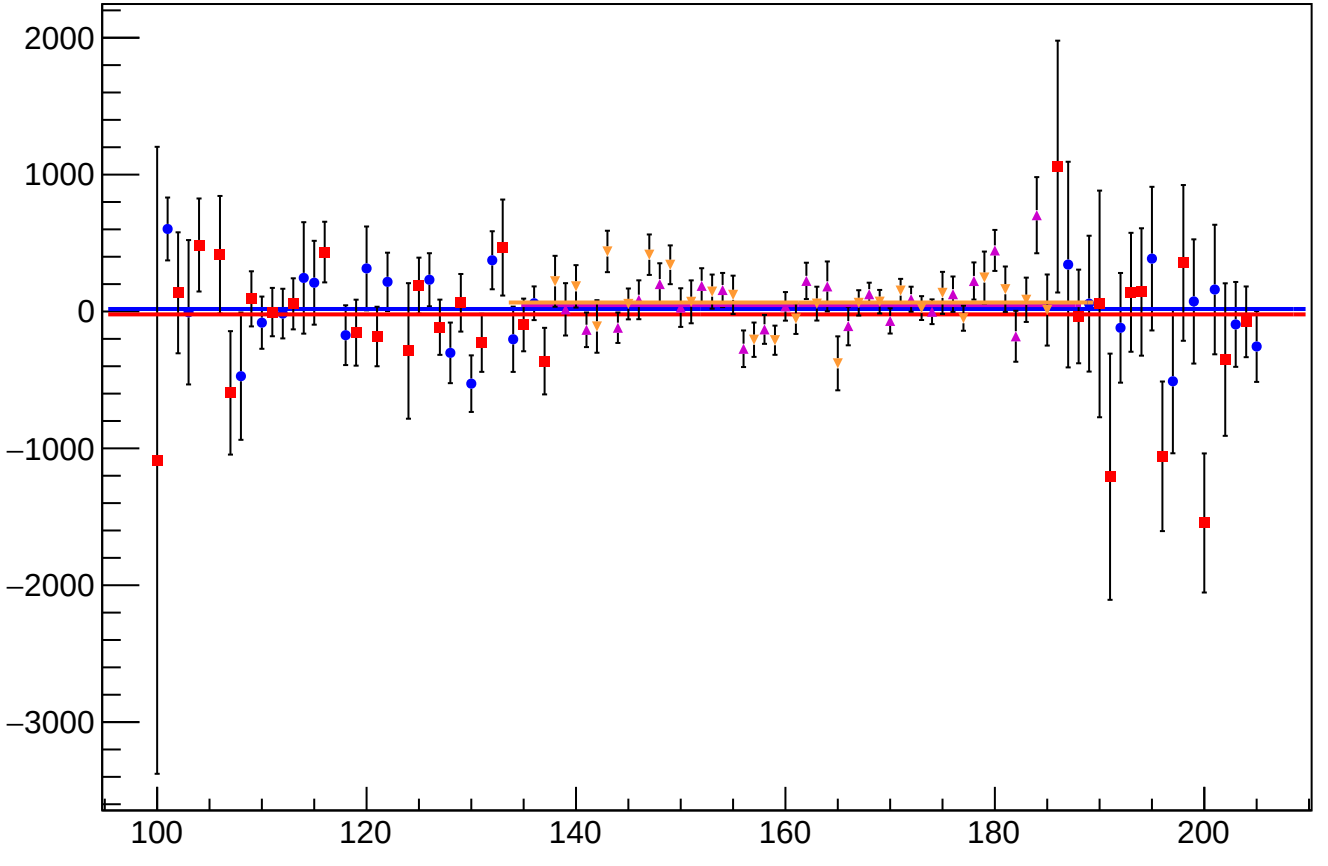
Right: 1925.470+/-0.269 χ^2/NDF: 7138797.9/54

In: 908.974+/-0.127 χ^2/NDF:12768948.2/47

Out: 922.745+/-0.125 χ^2/NDF:14742851.8/54

All: 915.938+/-0.089 χ^2/NDF: 27517762.5/10

dit_asym_sam3_mean vs Slug, Sign Corrected



Right In: 18.250+/-50.923 χ^2/NDF: 28.4/24

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: -21.216+/-52.079 χ^2/NDF: 34.4/29

Left In: 47.039+/-25.696 χ^2/NDF:38.6/22

Left: 56.605+/-17.941 χ^2/NDF: 78.9/47

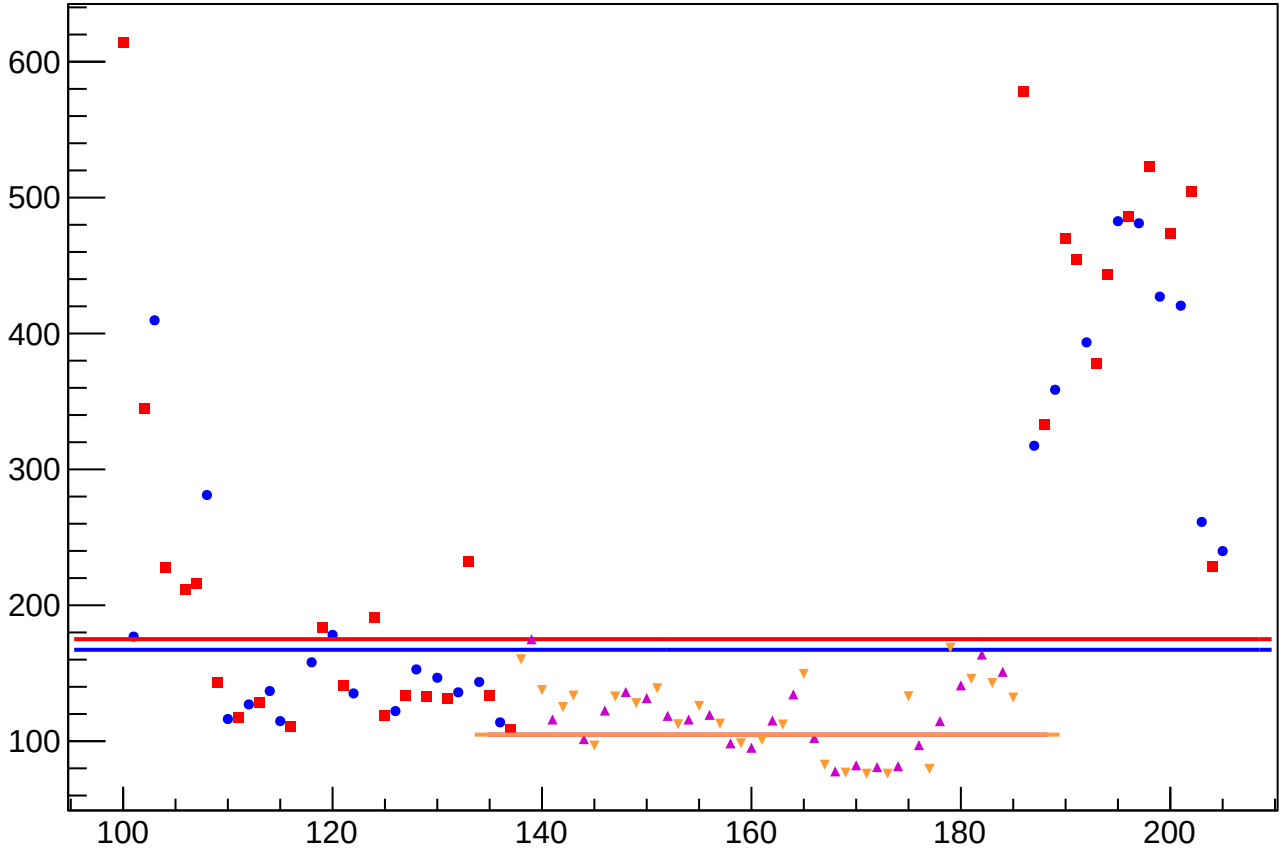
Right: -1.040+/-36.410 χ^2/NDF: 63.1/54

In: 41.196+/-22.941 χ^2/NDF:67.3/47

Out: 49.361+/-22.581 χ^2/NDF:76.7/54

All: 45.343+/-16.093 χ^2/NDF: 144.0/102

dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 167.258+/-0.036 χ^2/NDF: 5504018.5/24

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 175.087+/-0.037 χ^2/NDF: 6979827.3/29

Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

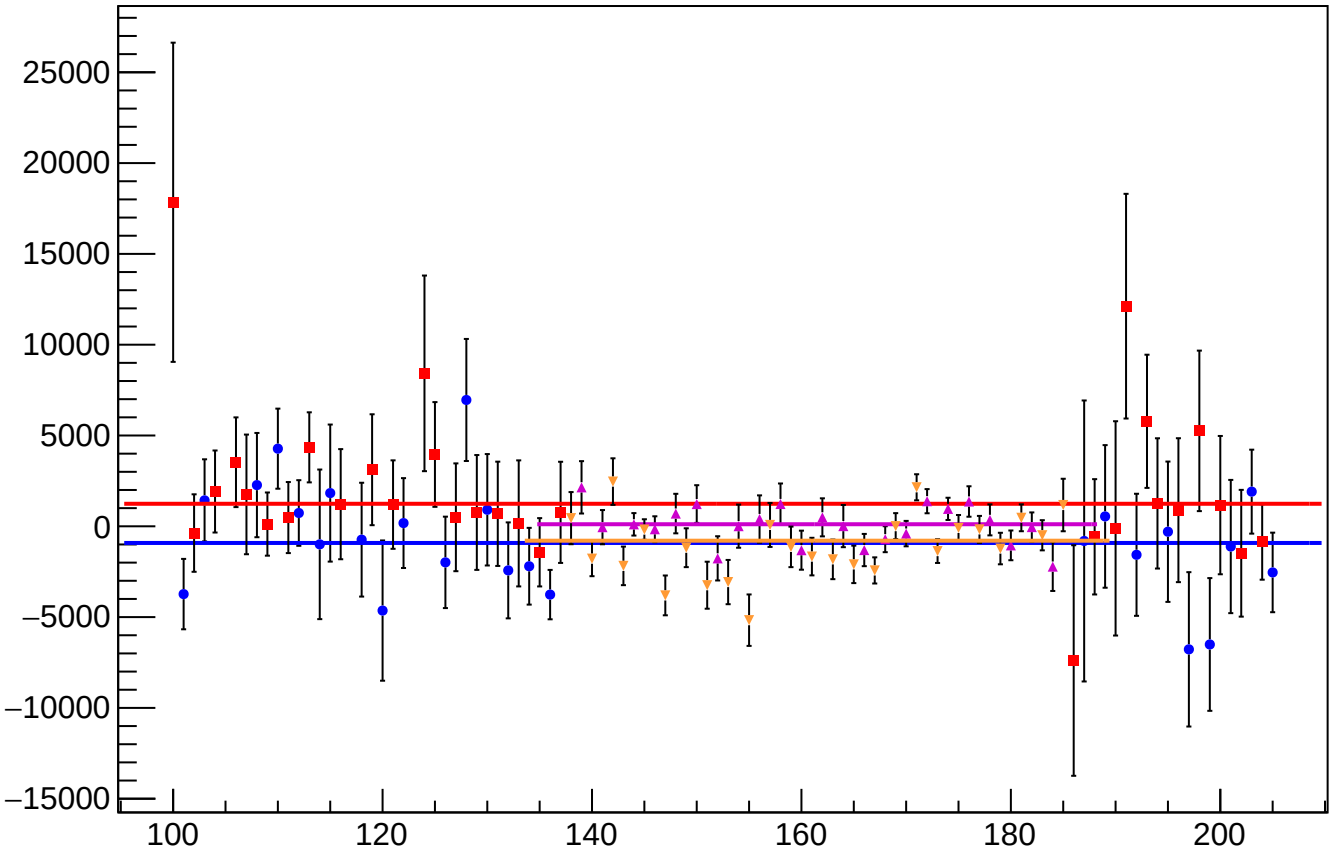
Left: 104.822+/-0.013 χ^2/NDF: 3857272.7/47

Right: 171.085+/-0.026 χ^2/NDF: 12506954.7/54

In: 117.504+/-0.016 χ^2/NDF:9513915.3/47

Out: 118.022+/-0.016 χ^2/NDF:12179911.1/54

All: 117.767+/-0.011 χ^2/NDF: 21694346.2/10



Right In: -917.378+/-523.125 χ^2/NDF: 30.0/24

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: 1240.177+/-516.898 χ^2/NDF: 22.9/29

Left In: 113.680+/-183.126 χ^2/NDF:26.3/22

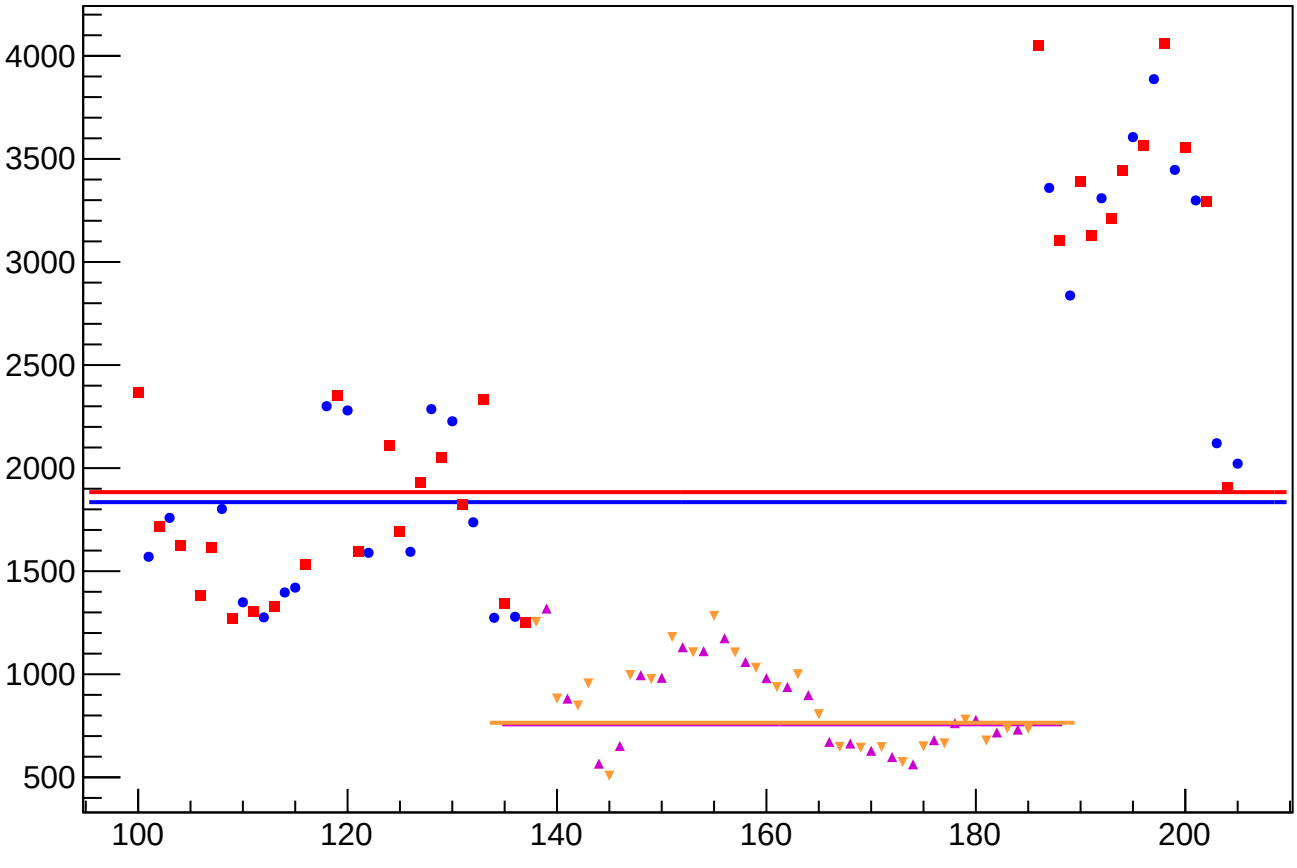
Left: -347.760+/-128.333 χ^2/NDF: 108.8/47

Right: 174.317+/-367.684 χ^2/NDF: 61.5/54

In: 1.124+/-172.841 χ^2/NDF:59.8/47

Out: -573.400+/-169.901 χ^2/NDF:106.7/54

All: -291.066+/-121.164 χ^2/NDF: 172.1/102



Right In: 1834.897+/-0.370 χ^2/NDF: 3262753.9/24

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1883.493+/-0.366 χ^2/NDF: 4090552.9/29

Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

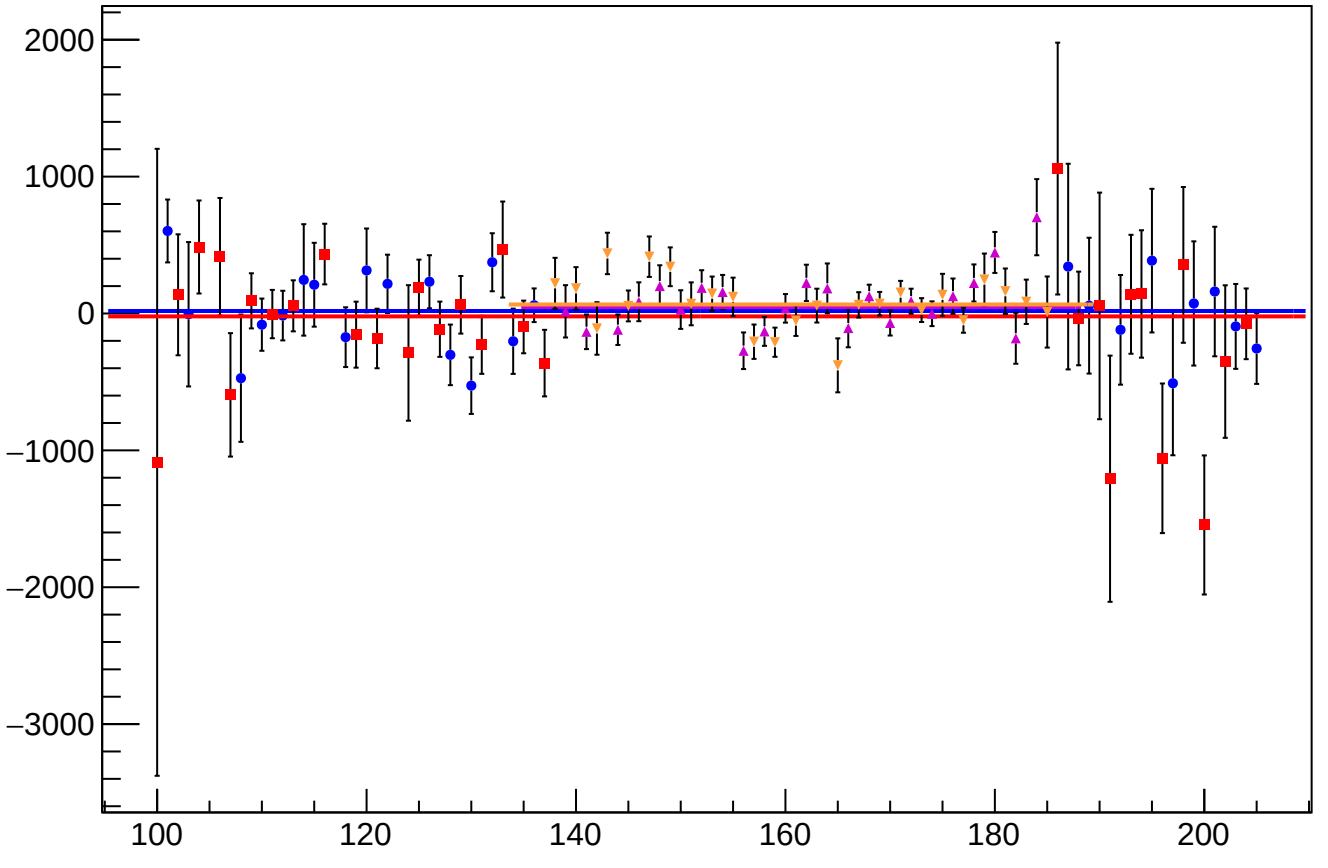
Left: 760.900+/-0.091 χ^2/NDF: 4542686.7/47

Right: 1859.486+/-0.260 χ^2/NDF: 7362039.8/54

In: 874.603+/-0.122 χ^2/NDF:12943393.2/47

Out: 885.604+/-0.120 χ^2/NDF:14872881.8/54

All: 880.198+/-0.086 χ^2/NDF: 27820395.2/10



Right In: 18.249+/-50.923 χ^2/NDF: 28.4/24

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: -21.219+/-52.079 χ^2/NDF: 34.4/29

Left In: 47.038+/-25.696 χ^2/NDF:38.6/22

Left: 56.604+/-17.941 χ^2/NDF: 78.9/47

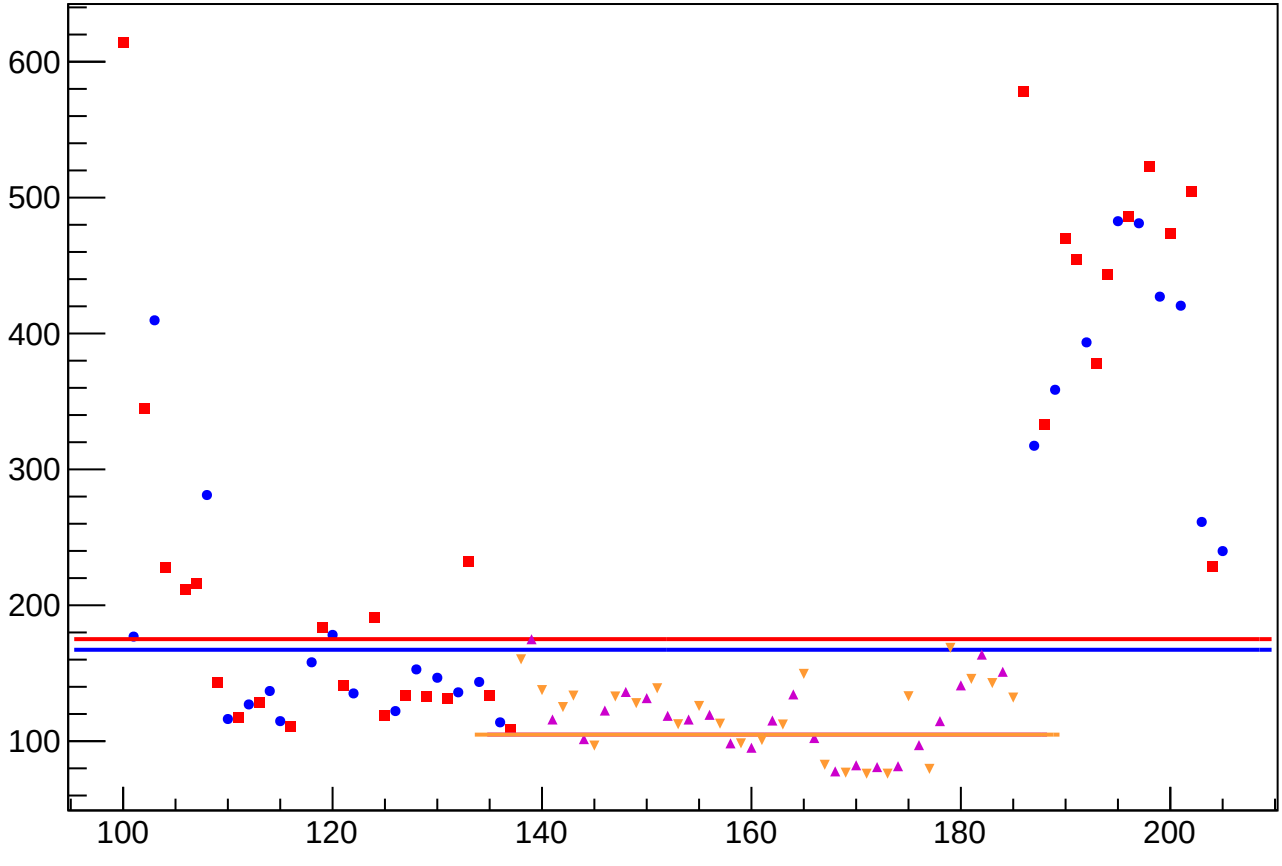
Right: -1.042+/-36.410 χ^2/NDF: 63.1/54

In: 41.195+/-22.941 χ^2/NDF:67.3/47

Out: 49.361+/-22.581 χ^2/NDF:76.7/54

All: 45.343+/-16.093 χ^2/NDF: 144.0/102

eigen_dit_asym_sam3_rms vs Slug, Sign Corrected



Right In: 167.258+/-0.036 χ^2/NDF: 5504012.0/24

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 175.088+/-0.037 χ^2/NDF: 6979815.6/29

Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

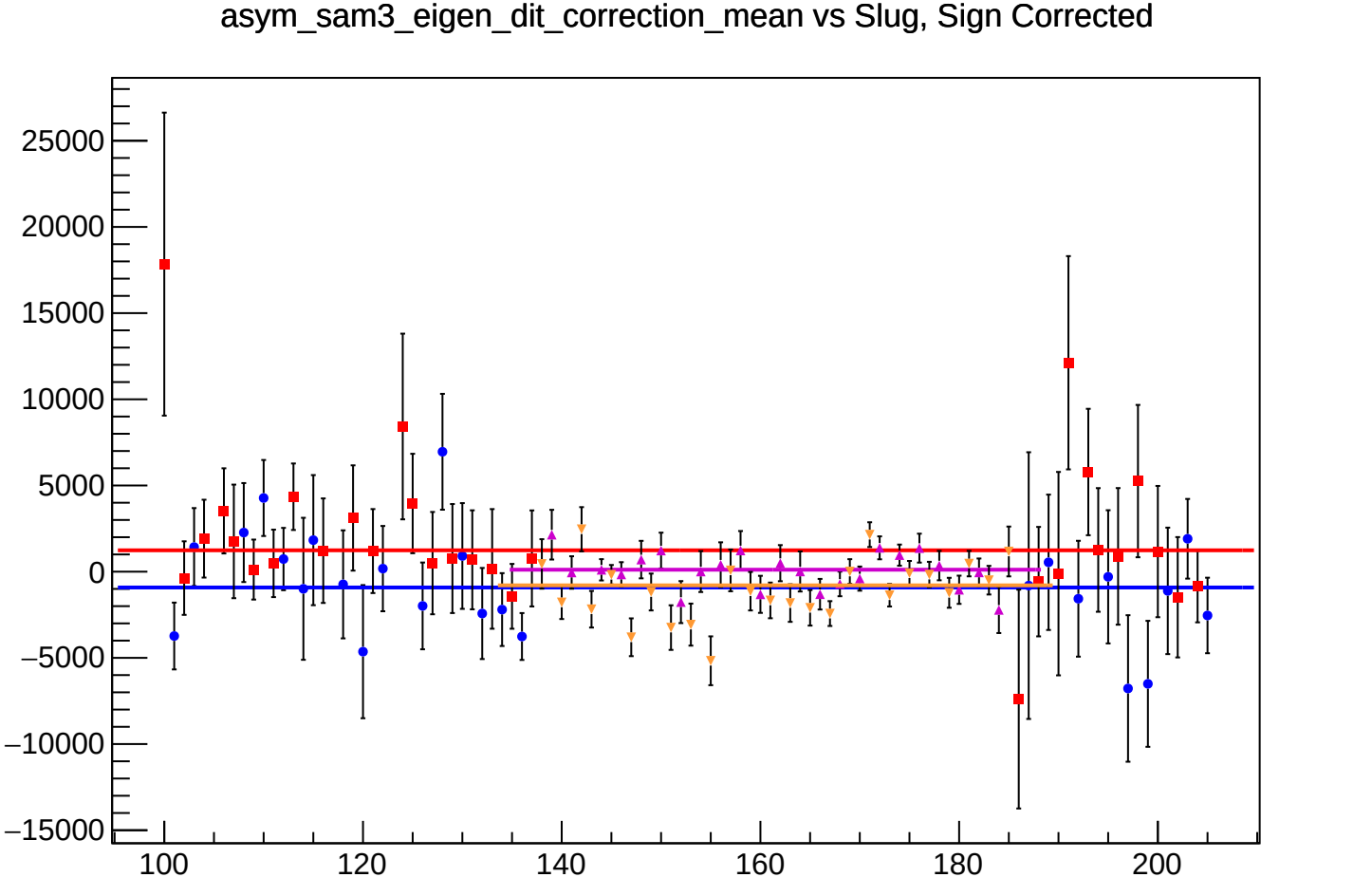
Left: 104.822+/-0.013 χ^2/NDF: 3857300.1/47

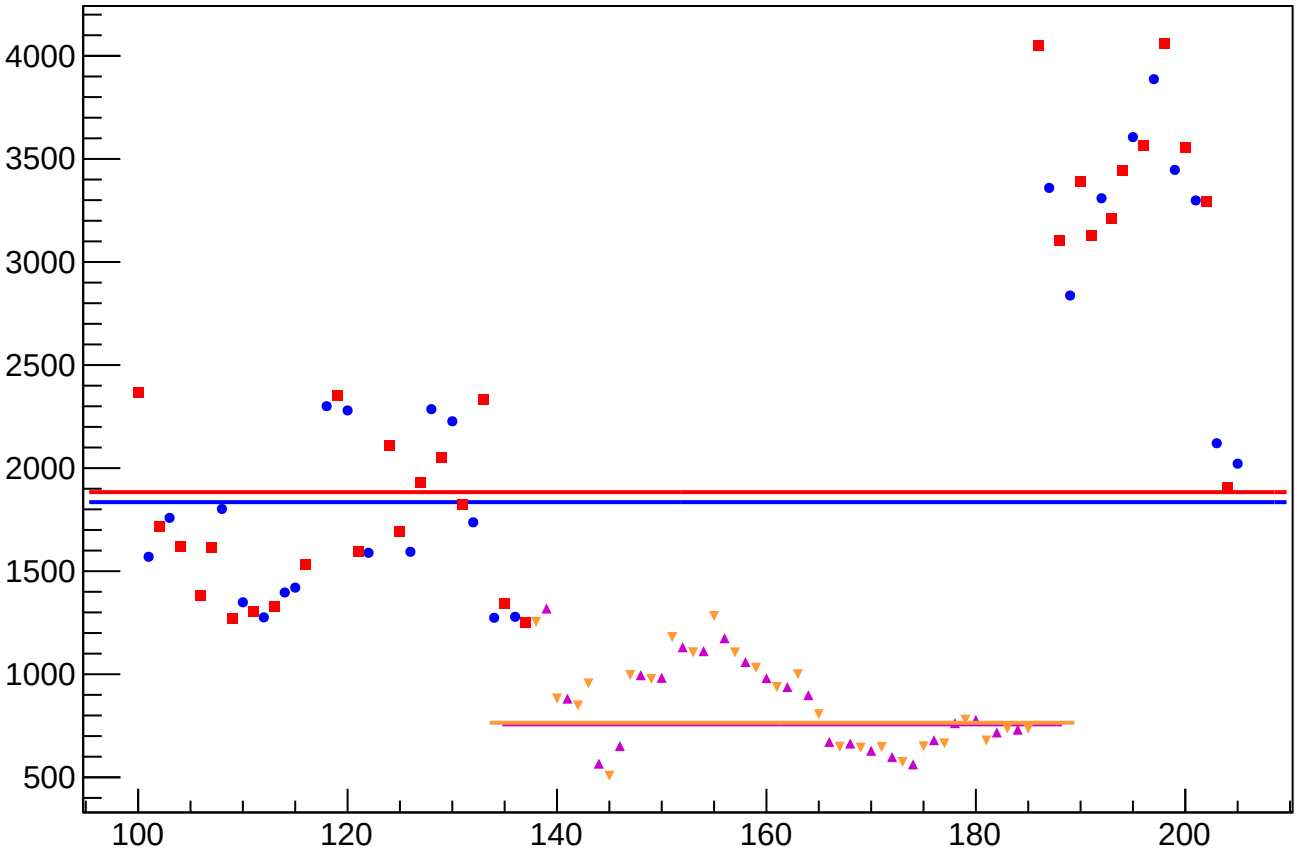
Right: 171.085+/-0.026 χ^2/NDF: 12506937.9/54

In: 117.504+/-0.016 χ^2/NDF:9513909.6/47

Out: 118.023+/-0.016 χ^2/NDF:12179923.0/54

All: 117.768+/-0.011 χ^2/NDF: 21694352.6/10


asym_sam3_eigen_dit_correction_mean vs Slug, Sign Corrected
25000
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -917.376+/-523.125 χ²/NDF: 30.0/24
Left Out: -793.071+/-179.896 χ²/NDF:70.0/24
Right Out: 1240.176+/-516.898 χ²/NDF: 22.9/29
Left In: 113.680+/-183.125 χ²/NDF:26.3/22
Left: -347.761+/-128.332 χ²/NDF: 108.8/47
Right: 174.318+/-367.684 χ²/NDF: 61.5/54
In: 1.124+/-172.841 χ²/NDF:59.8/47
Out: -573.401+/-169.901 χ²/NDF:106.7/54
All: -291.067+/-121.164 χ²/NDF: 172.1/102



Right In: 1834.895+/-0.370 χ^2/NDF: 3262753.3/24

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1883.491+/-0.366 χ^2/NDF: 4090553.7/29

Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

Left: 760.899+/-0.091 χ^2/NDF: 4542675.0/47

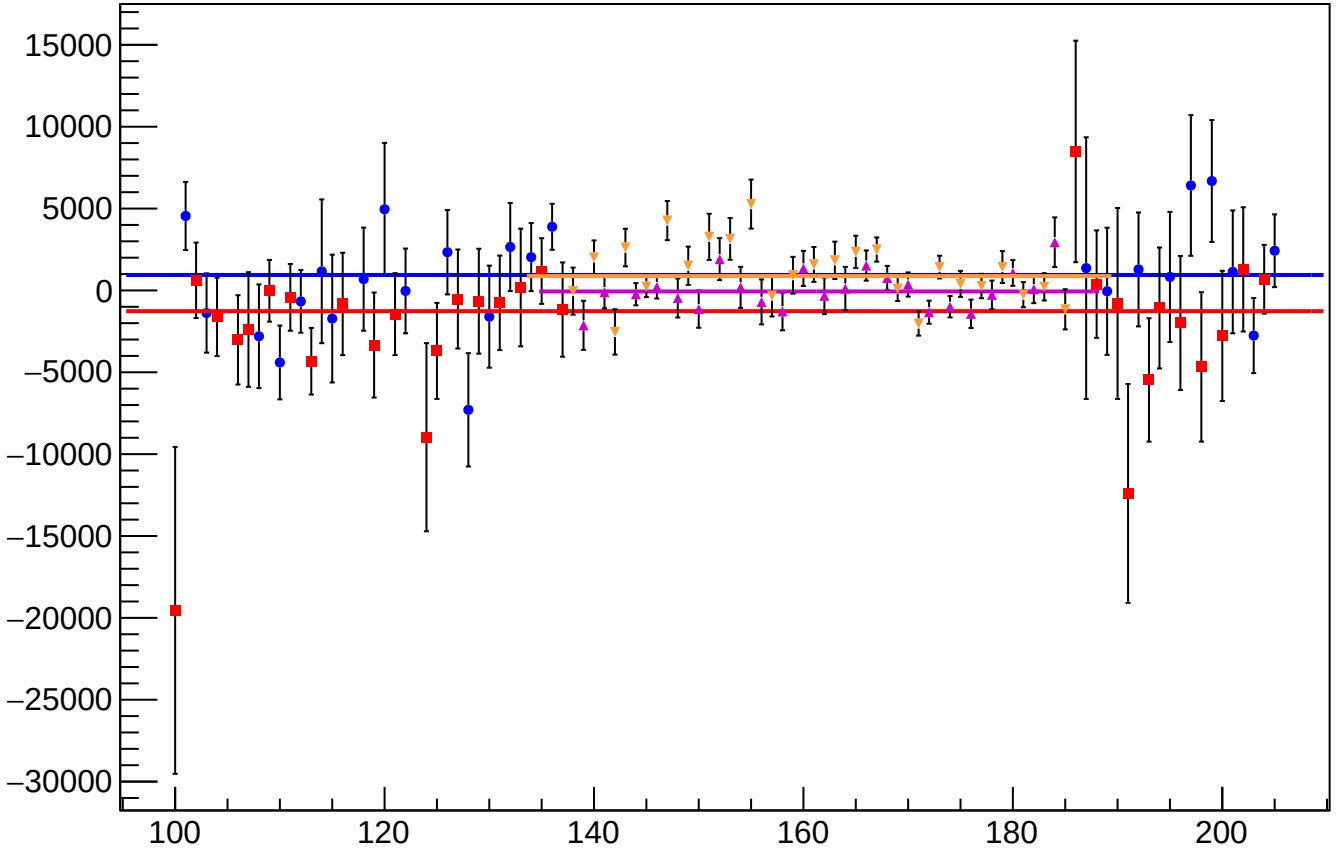
Right: 1859.484+/-0.260 χ^2/NDF: 7362039.6/54

In: 874.603+/-0.122 χ^2/NDF:12943387.6/47

Out: 885.603+/-0.120 χ^2/NDF:14872869.1/54

All: 880.197+/-0.086 χ^2/NDF: 27820376.9/10

asym_sam3_mean vs Slug, Sign Corrected



Right In: 943.638+/-540.001 χ^2/NDF: 32.0/24

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: -1266.143+/-541.580 χ^2/NDF: 20.5/29

Left In: -62.754+/-191.596 χ^2/NDF:27.1/22

Left: 413.275+/-134.551 χ^2/NDF: 106.6/47

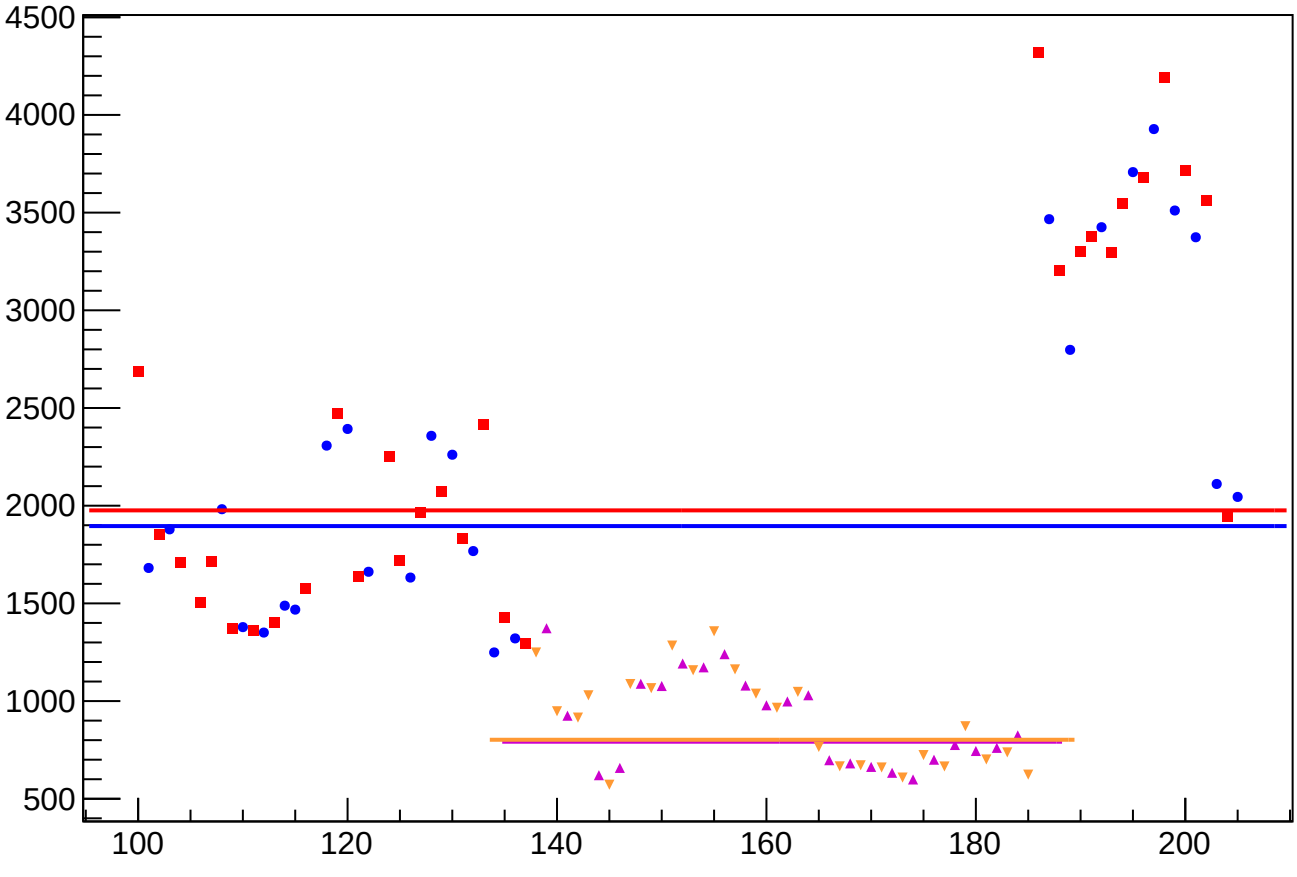
Right: -158.028+/-382.395 χ^2/NDF: 60.9/54

In: 49.773+/-180.567 χ^2/NDF:62.2/47

Out: 643.872+/-178.445 χ^2/NDF:101.7/54

All: 350.336+/-126.923 χ^2/NDF: 169.5/102

asym_sam3_rms vs Slug, Sign Corrected



Right In: 1895.645+/-0.382 χ^2/NDF: 3176671.1/24

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

Right Out: 1976.000+/-0.383 χ^2/NDF: 3963577.6/29

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

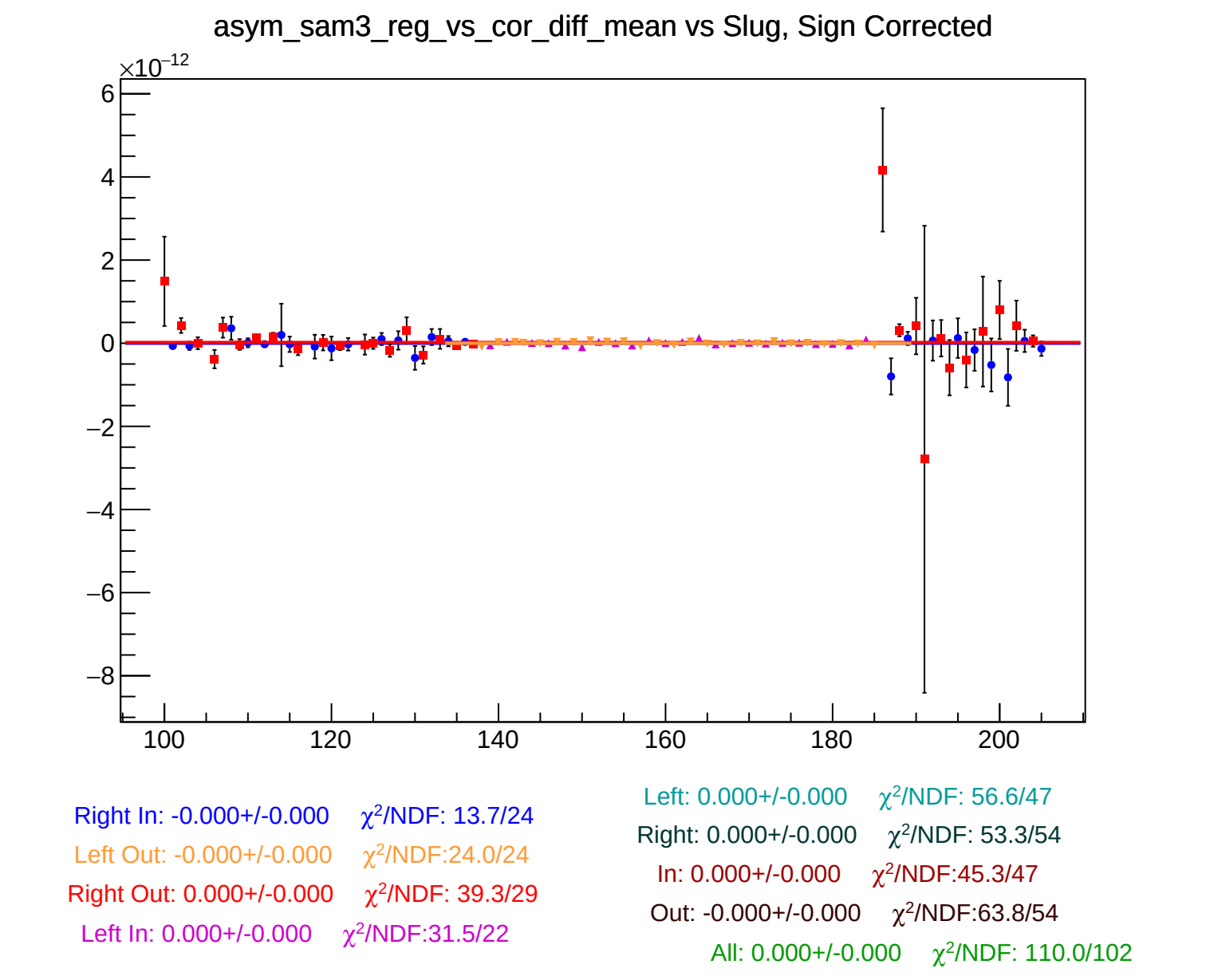
Left: 797.105+/-0.095 χ^2/NDF: 4534335.9/47

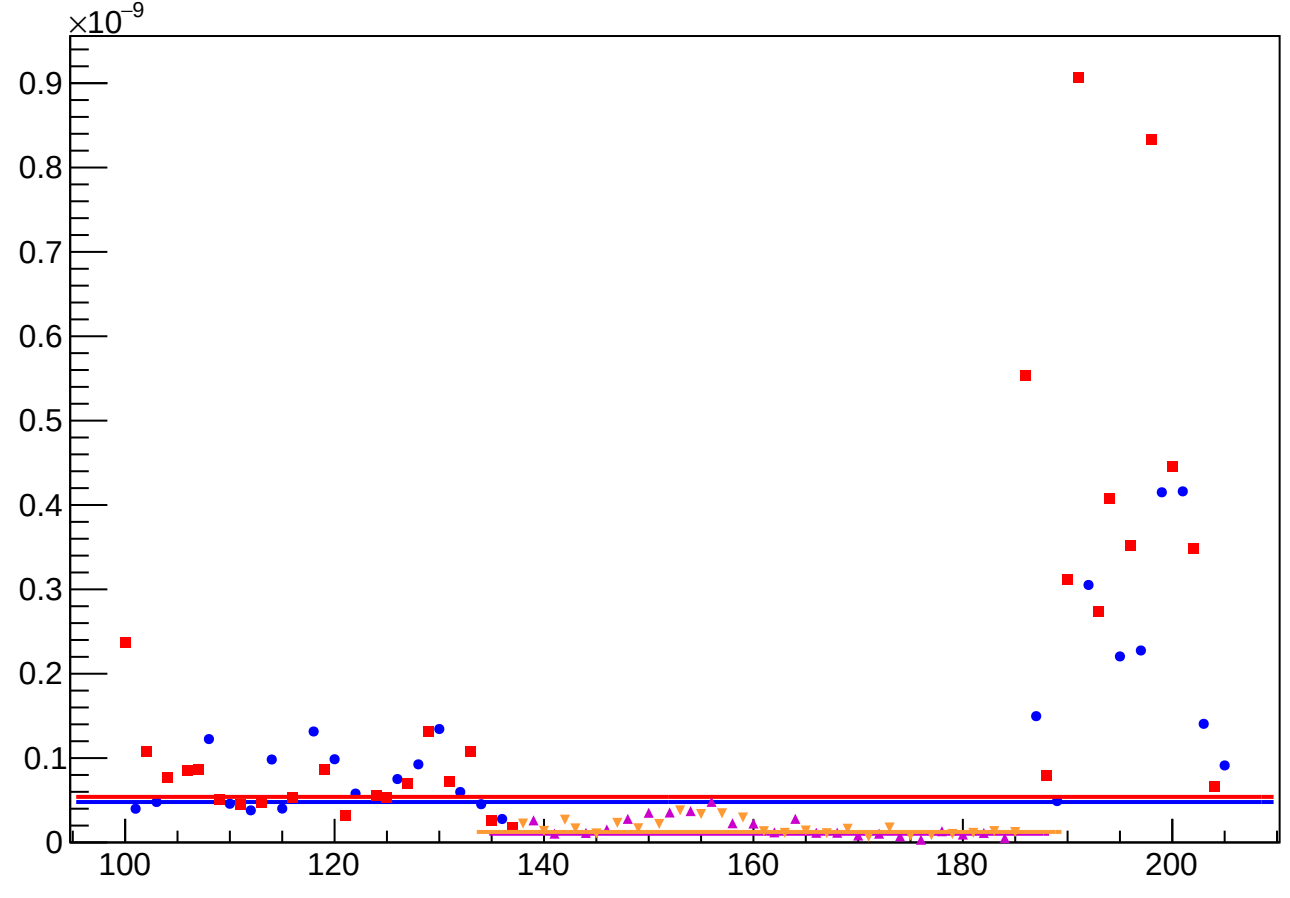
Right: 1935.706+/-0.270 χ^2/NDF: 7162327.3/54

In: 915.455+/-0.128 χ^2/NDF:12731438.4/47

Out: 929.466+/-0.126 χ^2/NDF:14737249.4/54

All: 922.543+/-0.090 χ^2/NDF: 27474780.0/10


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: 13.7/24
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 39.3/29
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: 53.3/54
In: 0.000+/-0.000 χ²/NDF:45.3/47
Out: -0.000+/-0.000 χ²/NDF:63.8/54
All: 0.000+/-0.000 χ²/NDF: 110.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 4041945.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5422036.8/29

Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

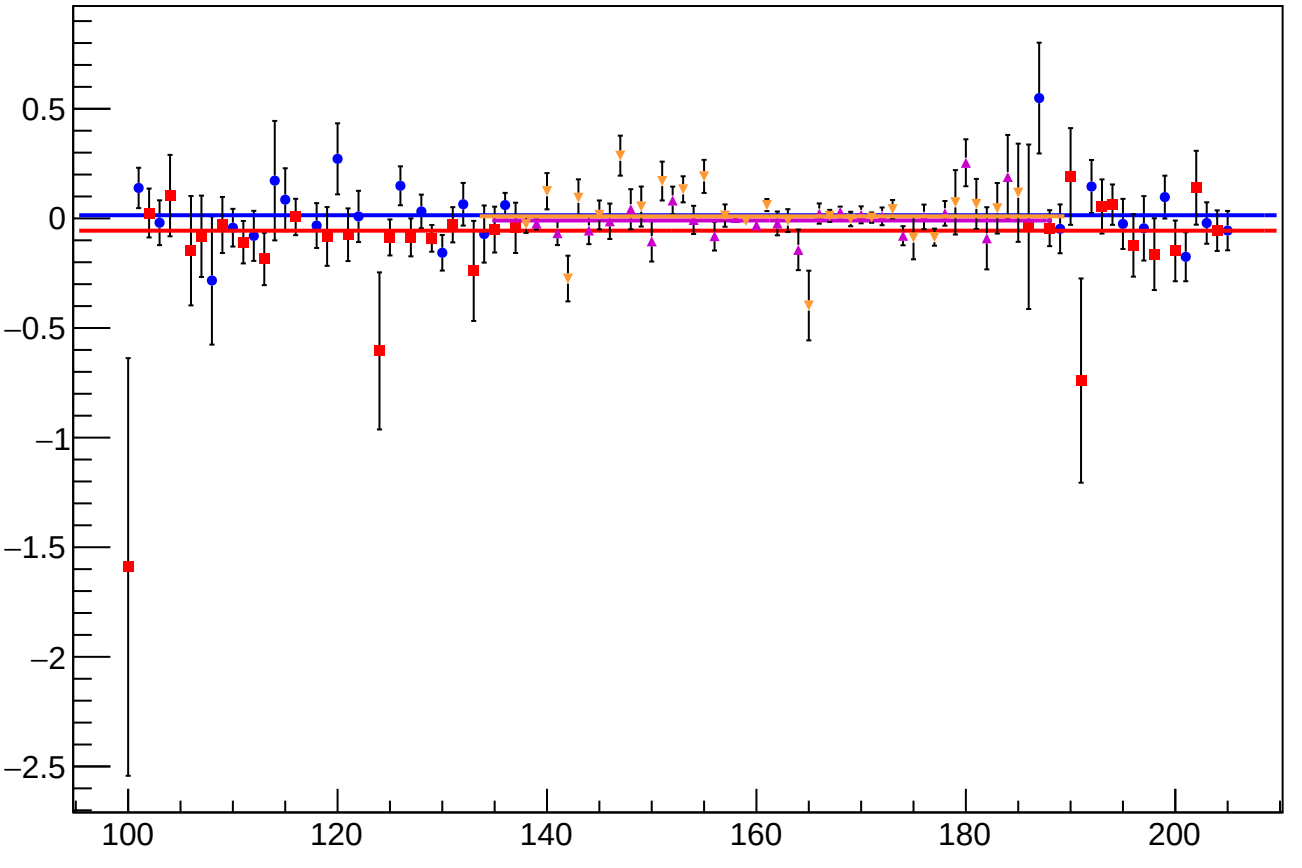
Left: 0.000+/-0.000 χ^2/NDF: 6061170.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9513279.5/54

In: 0.000+/-0.000 χ^2/NDF:11697116.2/47

Out: 0.000+/-0.000 χ^2/NDF:11659405.8/54

All: 0.000+/-0.000 χ^2/NDF: 23554219.7/102



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.021 χ^2/NDF: 18.2/29

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

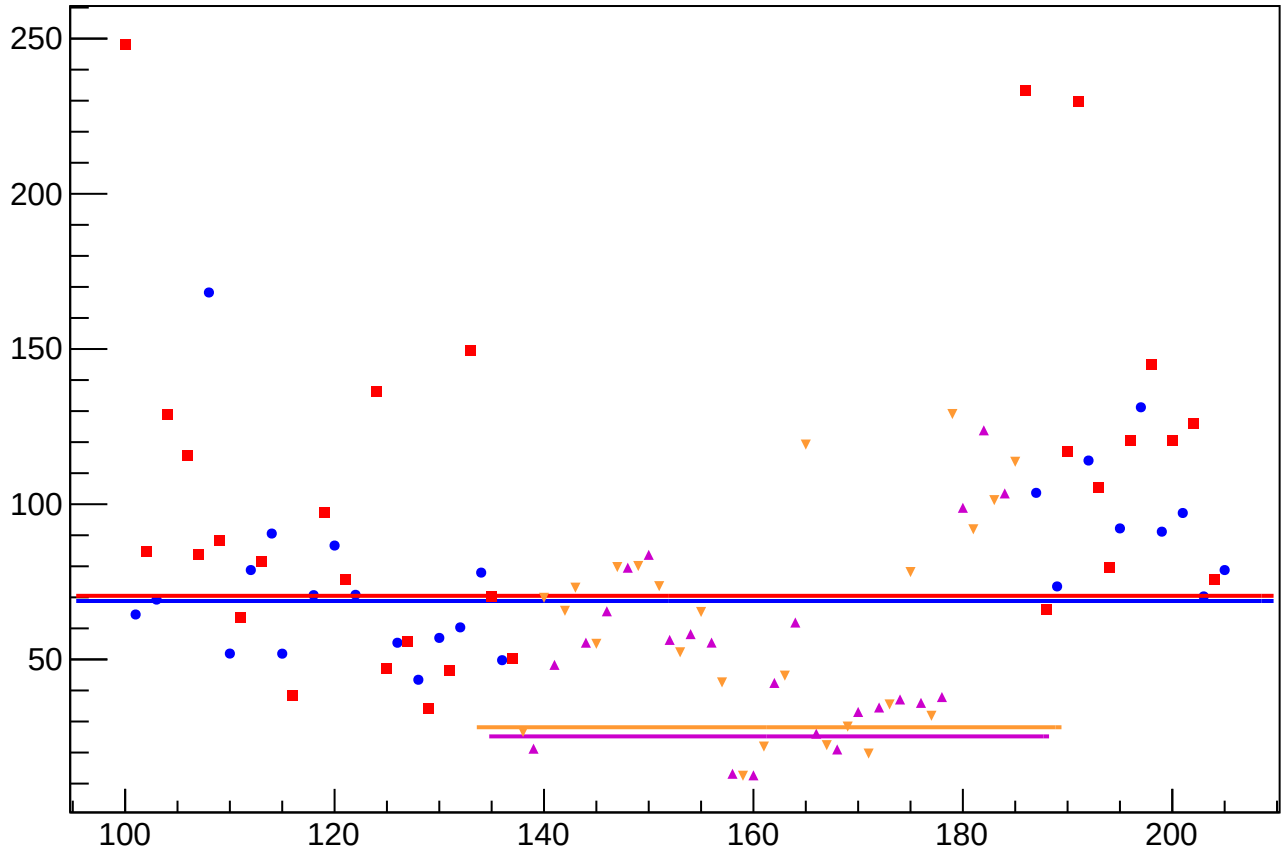
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.015 χ^2/NDF: 50.0/54

In: -0.006+/-0.007 χ^2/NDF:52.5/47

Out: 0.001+/-0.008 χ^2/NDF:81.1/54

All: -0.003+/-0.005 χ^2/NDF: 134.0/102



Right In: 68.823+/-0.015 χ^2/NDF: 1986363.9/24

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.491+/-0.015 χ^2/NDF: 4332979.9/29

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

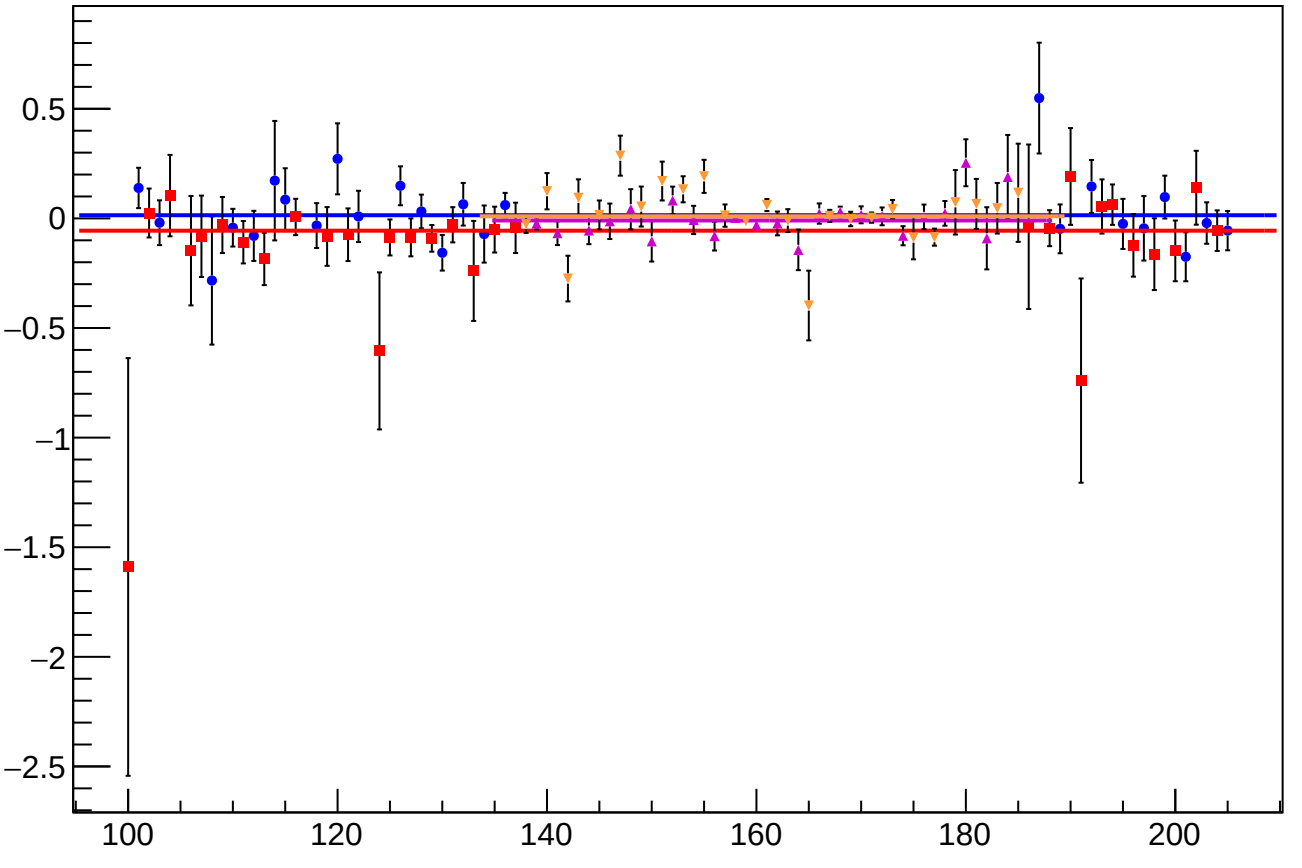
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.633+/-0.010 χ^2/NDF: 6325701.2/54

In: 30.816+/-0.005 χ^2/NDF:19744401.2/47

Out: 33.953+/-0.006 χ^2/NDF:22271804.5/54

All: 32.290+/-0.004 χ^2/NDF: 42185245.3/102



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.021 χ^2/NDF: 18.2/29

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

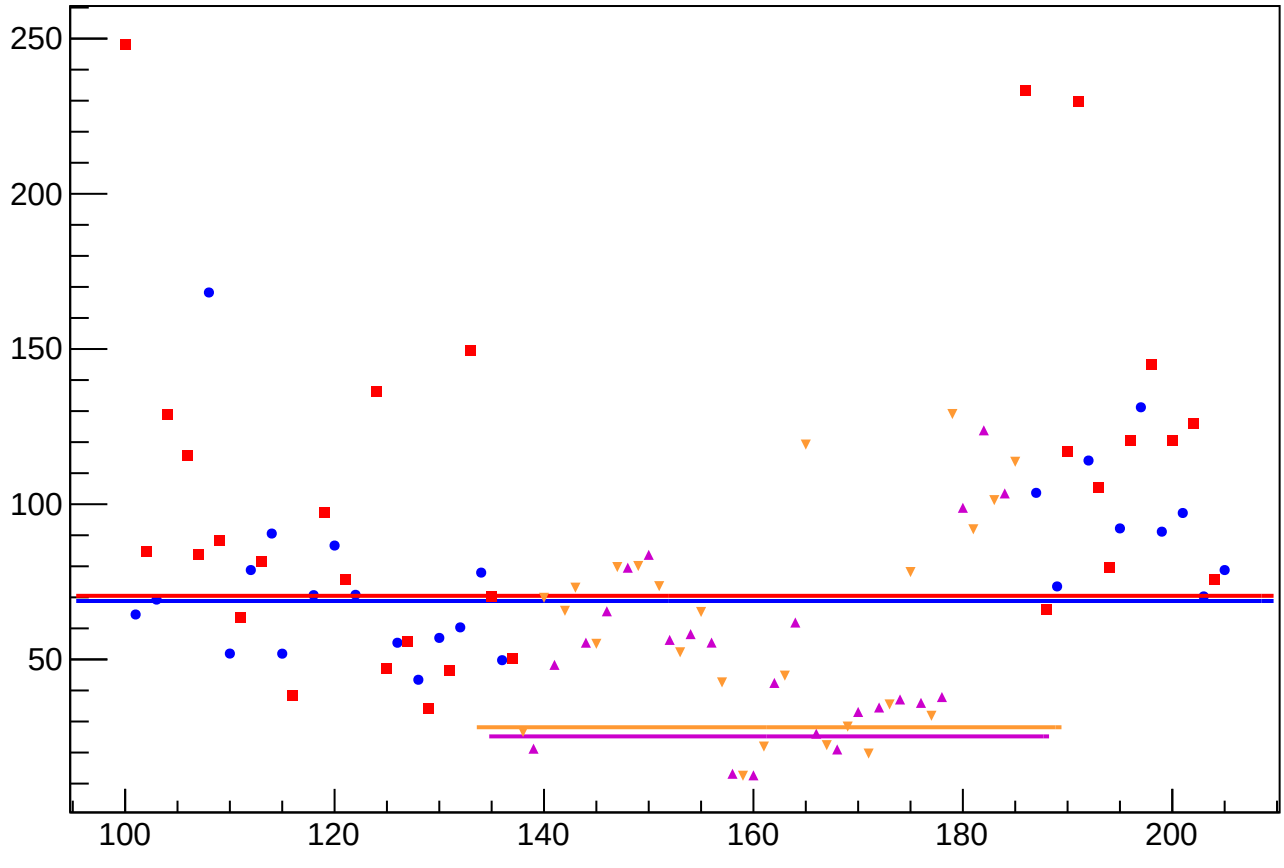
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.015 χ^2/NDF: 50.0/54

In: -0.006+/-0.007 χ^2/NDF:52.5/47

Out: 0.001+/-0.008 χ^2/NDF:81.1/54

All: -0.003+/-0.005 χ^2/NDF: 134.0/102



Right In: 68.823+/-0.015 χ^2/NDF: 1986363.9/24

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.491+/-0.015 χ^2/NDF: 4332979.9/29

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

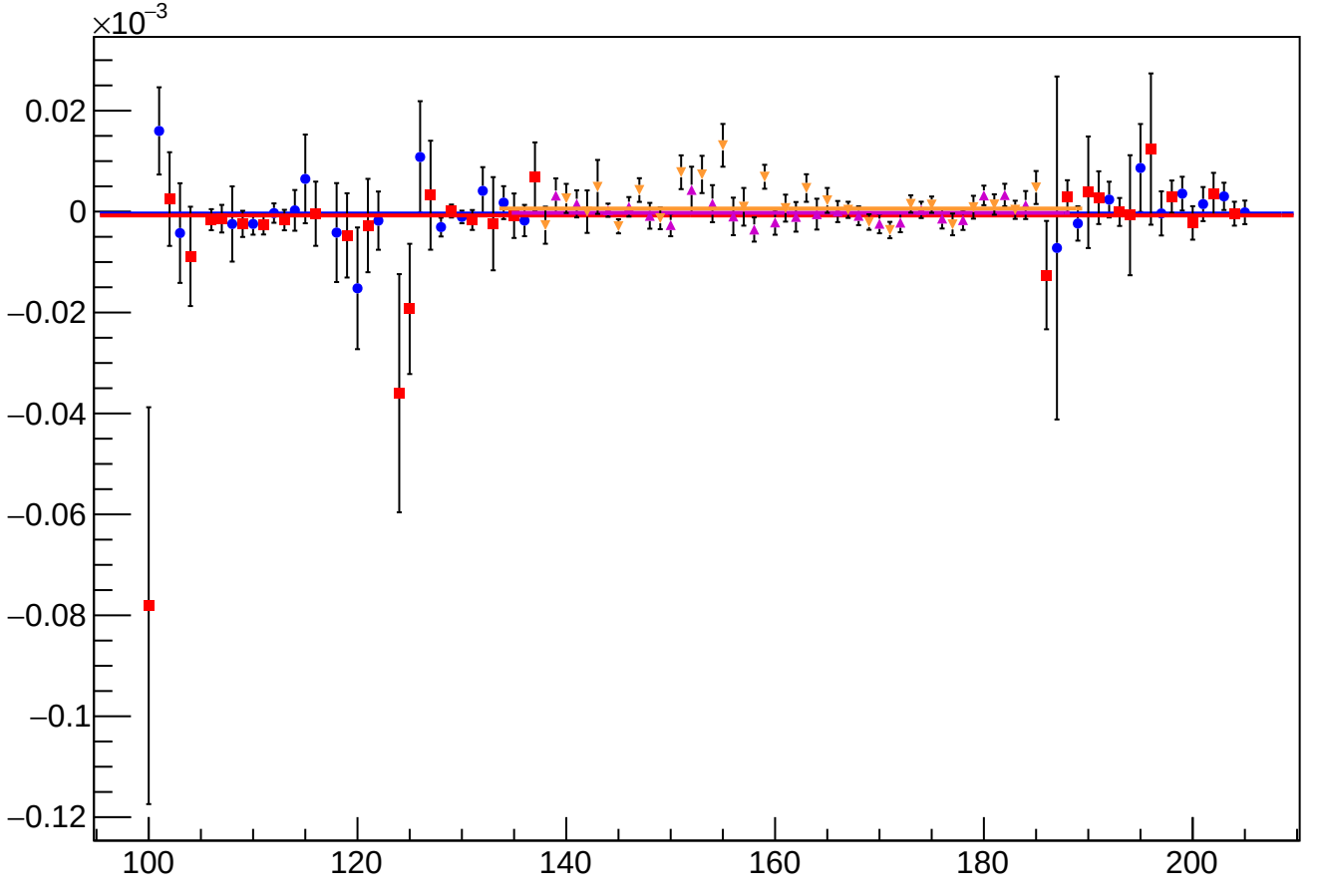
Left: 26.582+/-0.004 χ^2/NDF: 21163962.5/47

Right: 69.633+/-0.010 χ^2/NDF: 6325701.2/54

In: 30.816+/-0.005 χ^2/NDF:19744401.2/47

Out: 33.953+/-0.006 χ^2/NDF:22271804.5/54

All: 32.290+/-0.004 χ^2/NDF: 42185245.3/102



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 19.4/29

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

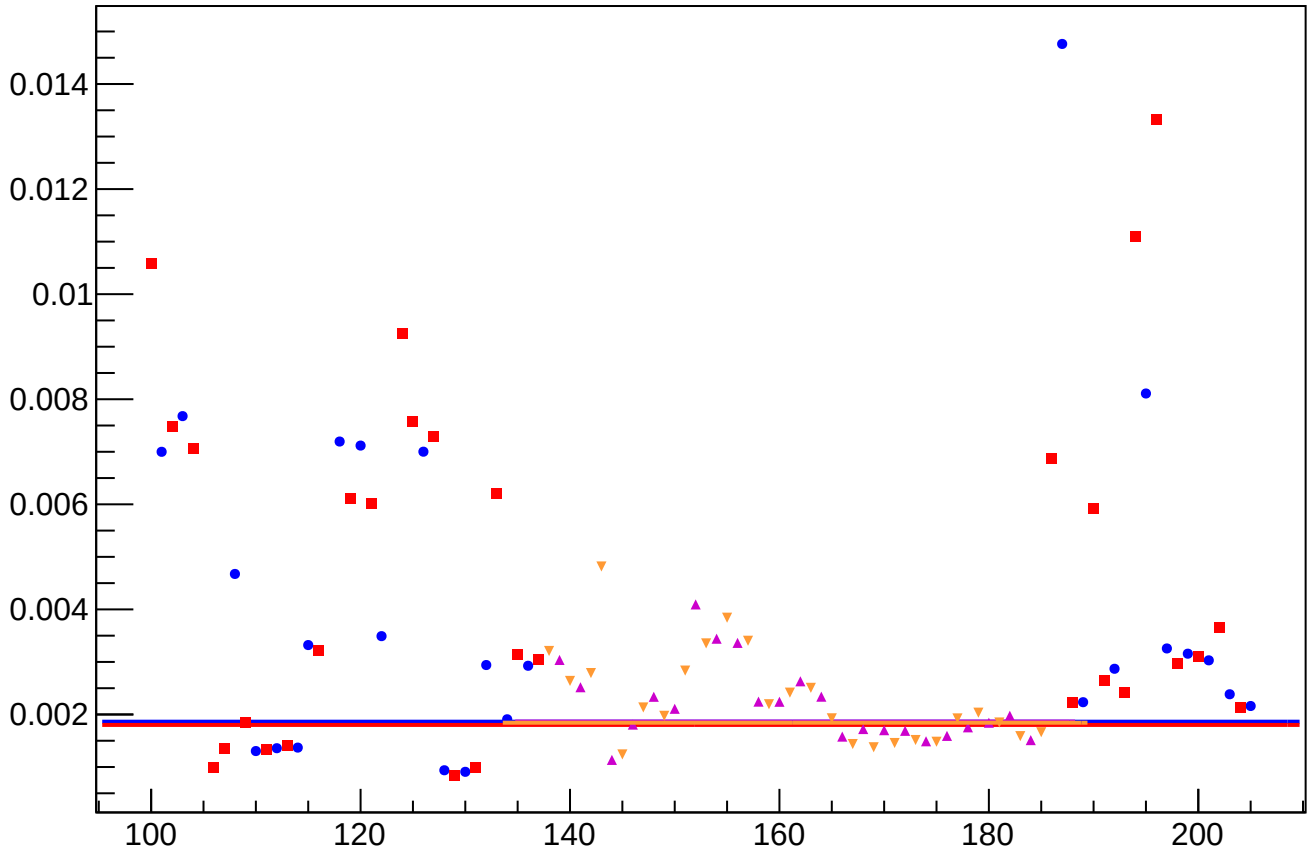
Left: 0.000+/-0.000 χ^2/NDF: 70.6/47

Right: -0.000+/-0.000 χ^2/NDF: 37.0/54

In: -0.000+/-0.000 χ^2/NDF:33.9/47

Out: 0.000+/-0.000 χ^2/NDF:75.1/54

All: -0.000+/-0.000 χ^2/NDF: 109.7/102



Right In: 0.002+/-0.000 χ^2/NDF: 7955901.1/24

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10625970.3/29

Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

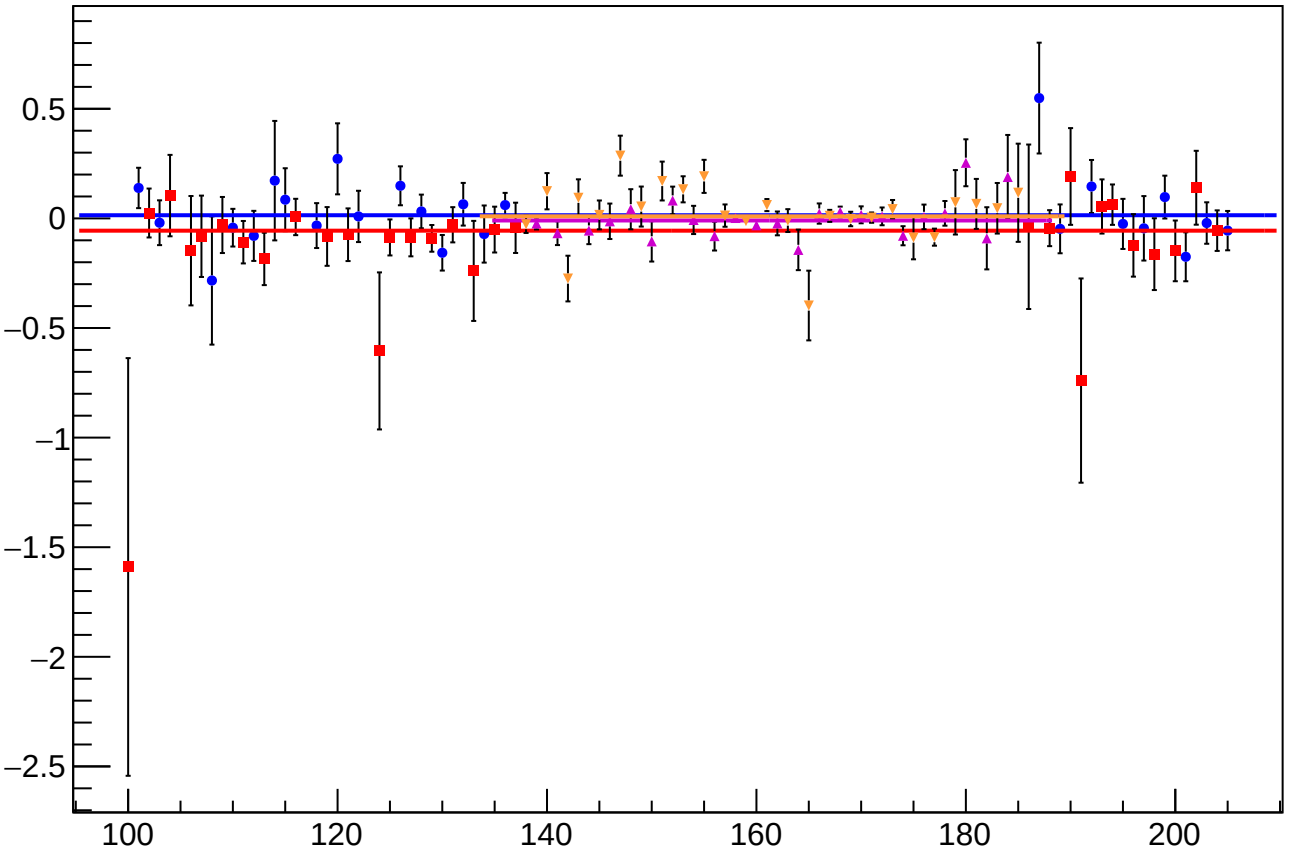
Left: 0.002+/-0.000 χ^2/NDF: 6579632.9/47

Right: 0.002+/-0.000 χ^2/NDF: 18591921.2/54

In: 0.002+/-0.000 χ^2/NDF:10750053.4/47

Out: 0.002+/-0.000 χ^2/NDF:14415482.0/54

All: 0.002+/-0.000 χ^2/NDF: 25175189.2/102



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.021 χ^2/NDF: 18.2/29

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

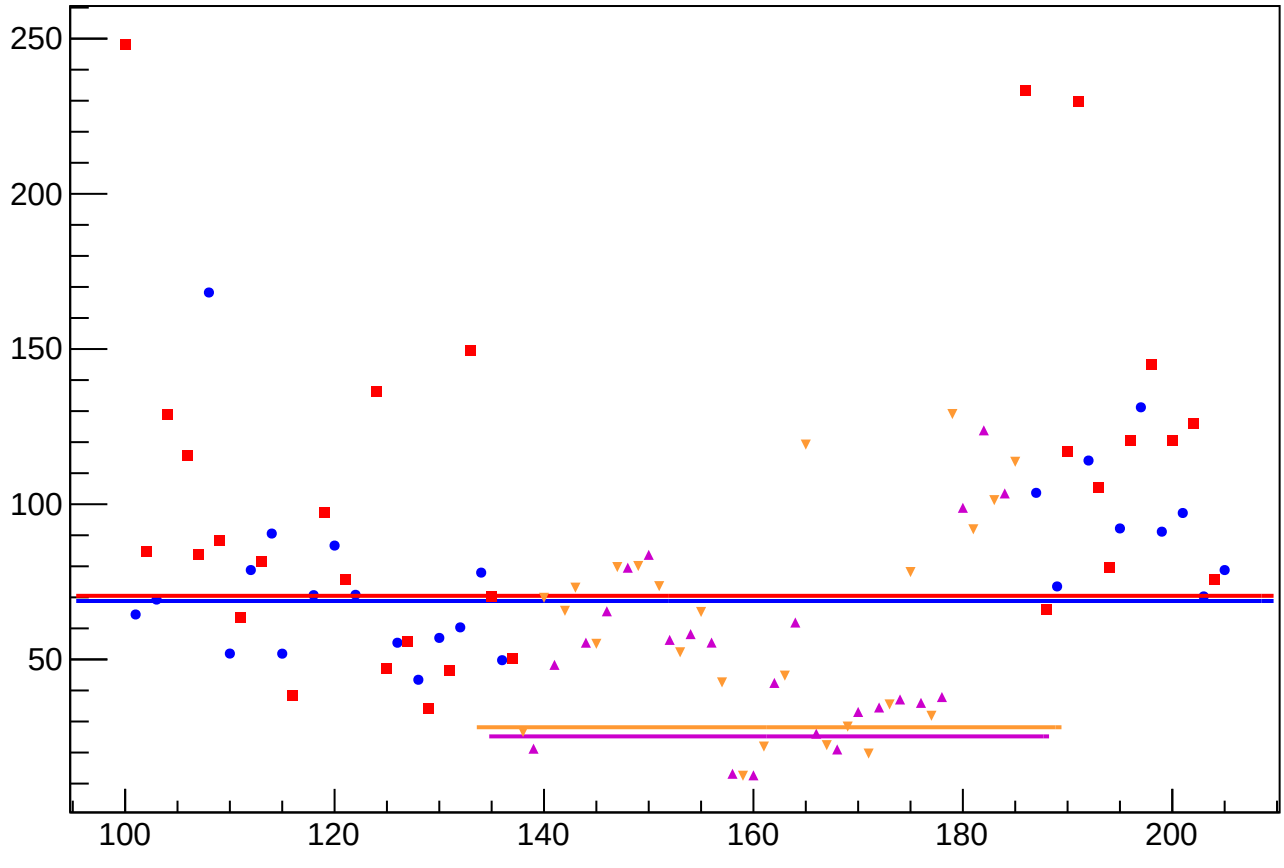
Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

Right: -0.020+/-0.015 χ^2/NDF: 50.0/54

In: -0.006+/-0.007 χ^2/NDF:52.5/47

Out: 0.001+/-0.008 χ^2/NDF:81.1/54

All: -0.003+/-0.005 χ^2/NDF: 134.0/102



Right In: 68.823+/-0.015 χ^2/NDF: 1986342.9/24

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.492+/-0.015 χ^2/NDF: 4332995.5/29

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

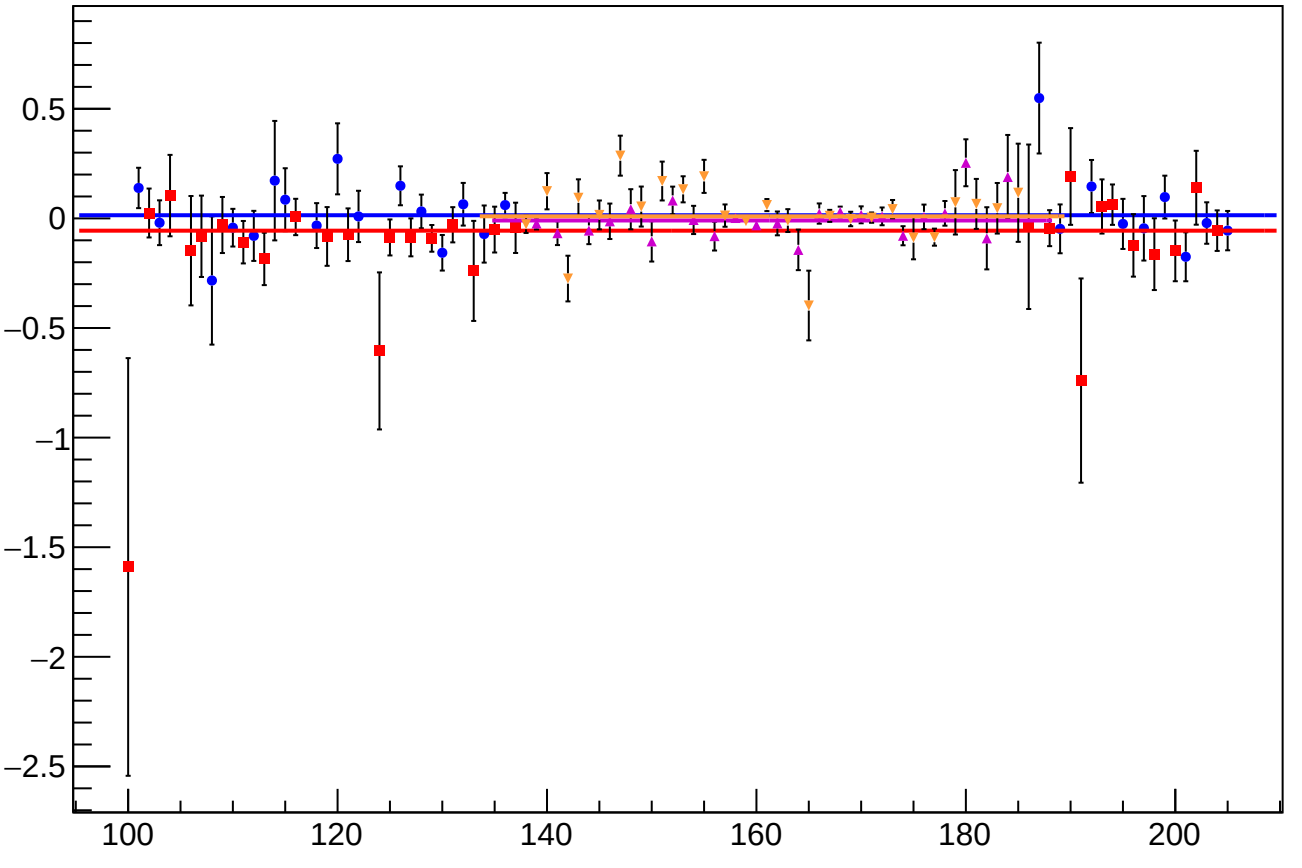
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.634+/-0.010 χ^2/NDF: 6325699.8/54

In: 30.815+/-0.005 χ^2/NDF:19745080.5/47

Out: 33.952+/-0.006 χ^2/NDF:22273511.5/54

All: 32.289+/-0.004 χ^2/NDF: 42187547.0/102



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.056+/-0.021 χ^2/NDF: 18.2/29

Left In: -0.009+/-0.008 χ^2/NDF:25.2/22

Left: -0.001+/-0.006 χ^2/NDF: 82.5/47

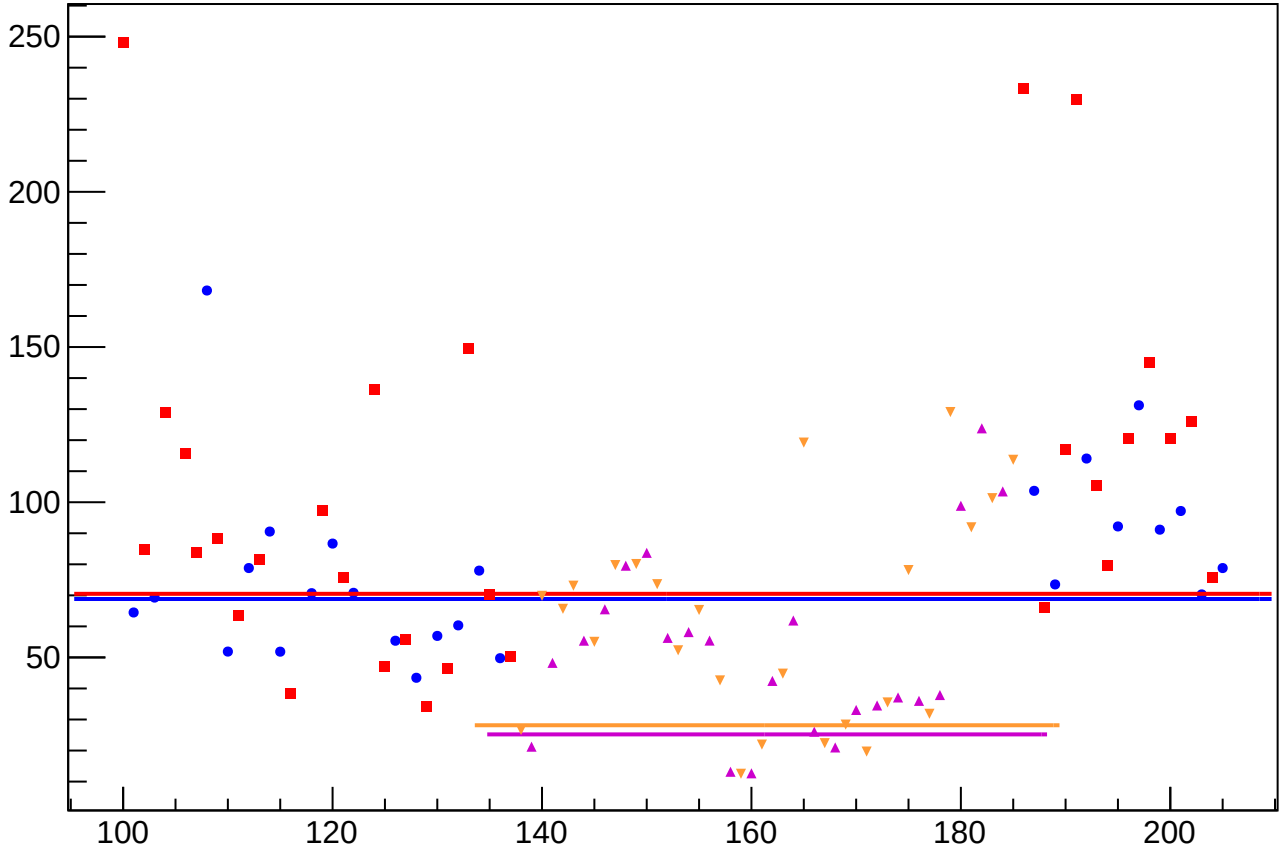
Right: -0.020+/-0.015 χ^2/NDF: 50.0/54

In: -0.006+/-0.007 χ^2/NDF:52.5/47

Out: 0.001+/-0.008 χ^2/NDF:81.1/54

All: -0.003+/-0.005 χ^2/NDF: 134.0/102

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 68.823+/-0.015 χ^2/NDF: 1986342.9/24

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.492+/-0.015 χ^2/NDF: 4332995.5/29

Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

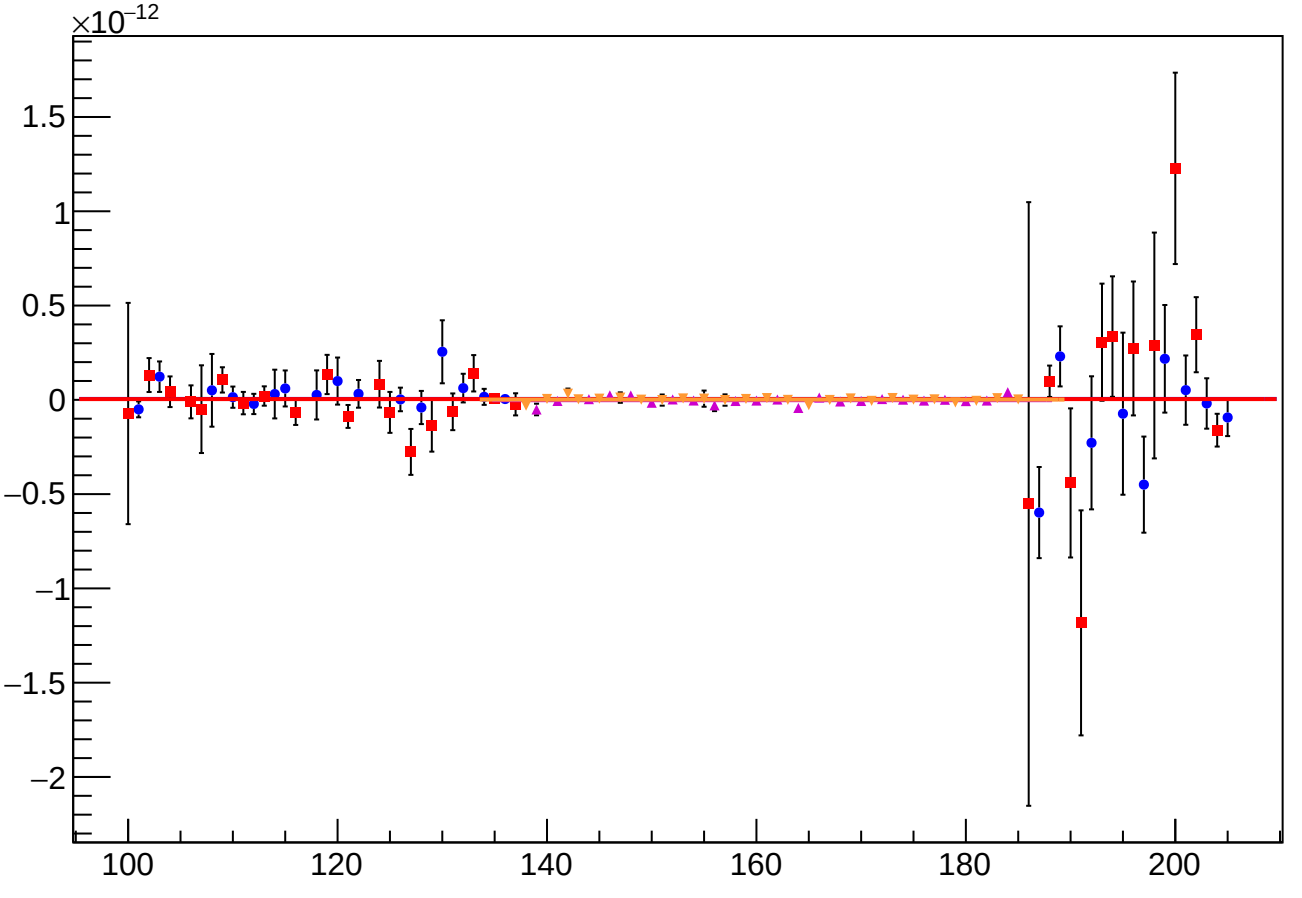
Left: 26.582+/-0.004 χ^2/NDF: 21165461.1/47

Right: 69.634+/-0.010 χ^2/NDF: 6325699.8/54

In: 30.815+/-0.005 χ^2/NDF:19745080.5/47

Out: 33.952+/-0.006 χ^2/NDF:22273511.5/54

All: 32.289+/-0.004 χ^2/NDF: 42187547.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.5/29

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

Left: -0.000+/-0.000 χ^2/NDF: 32.7/47

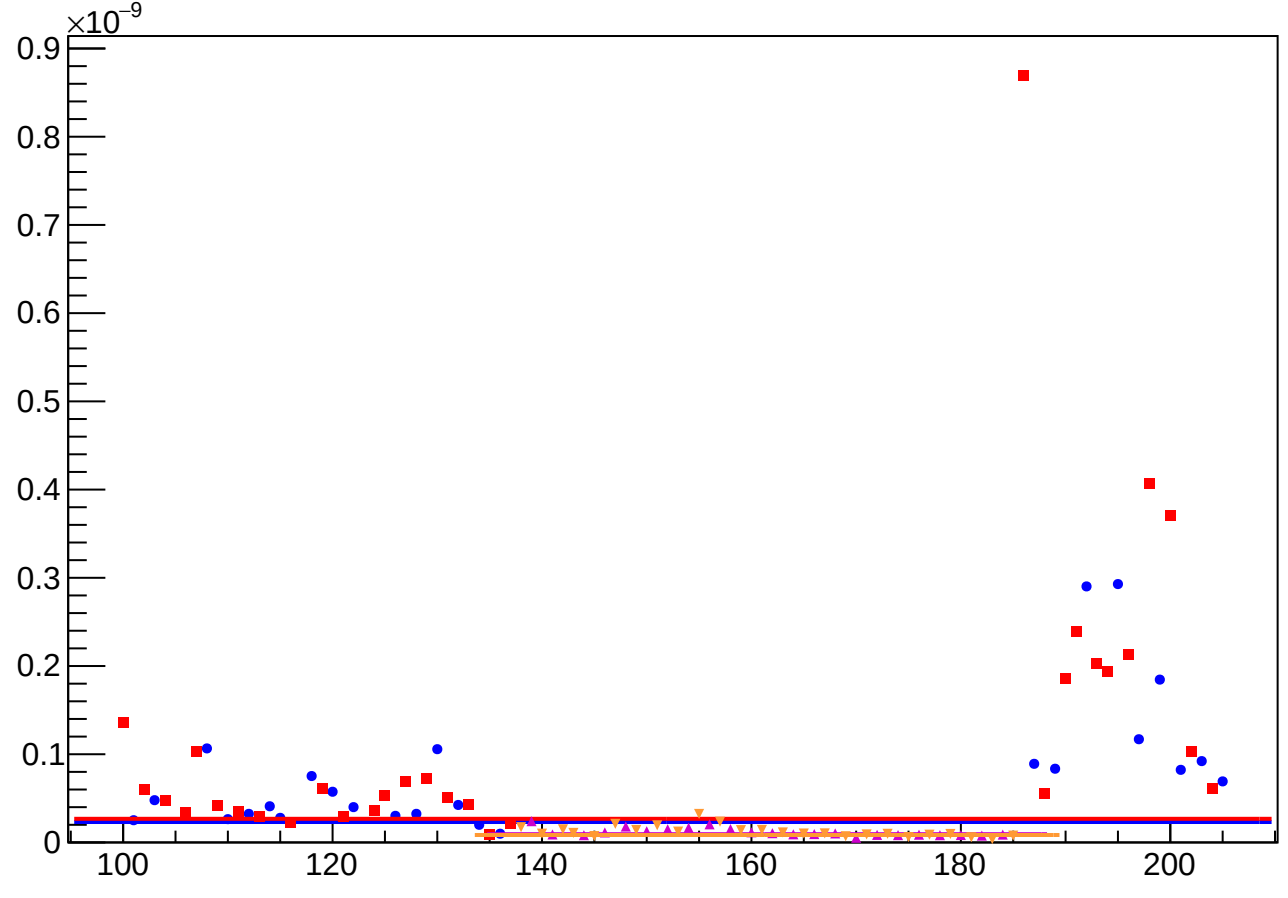
Right: 0.000+/-0.000 χ^2/NDF: 63.4/54

In: -0.000+/-0.000 χ^2/NDF:43.1/47

Out: 0.000+/-0.000 χ^2/NDF:52.8/54

All: 0.000+/-0.000 χ^2/NDF: 96.4/102

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7706586.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9117081.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6595432.2/47

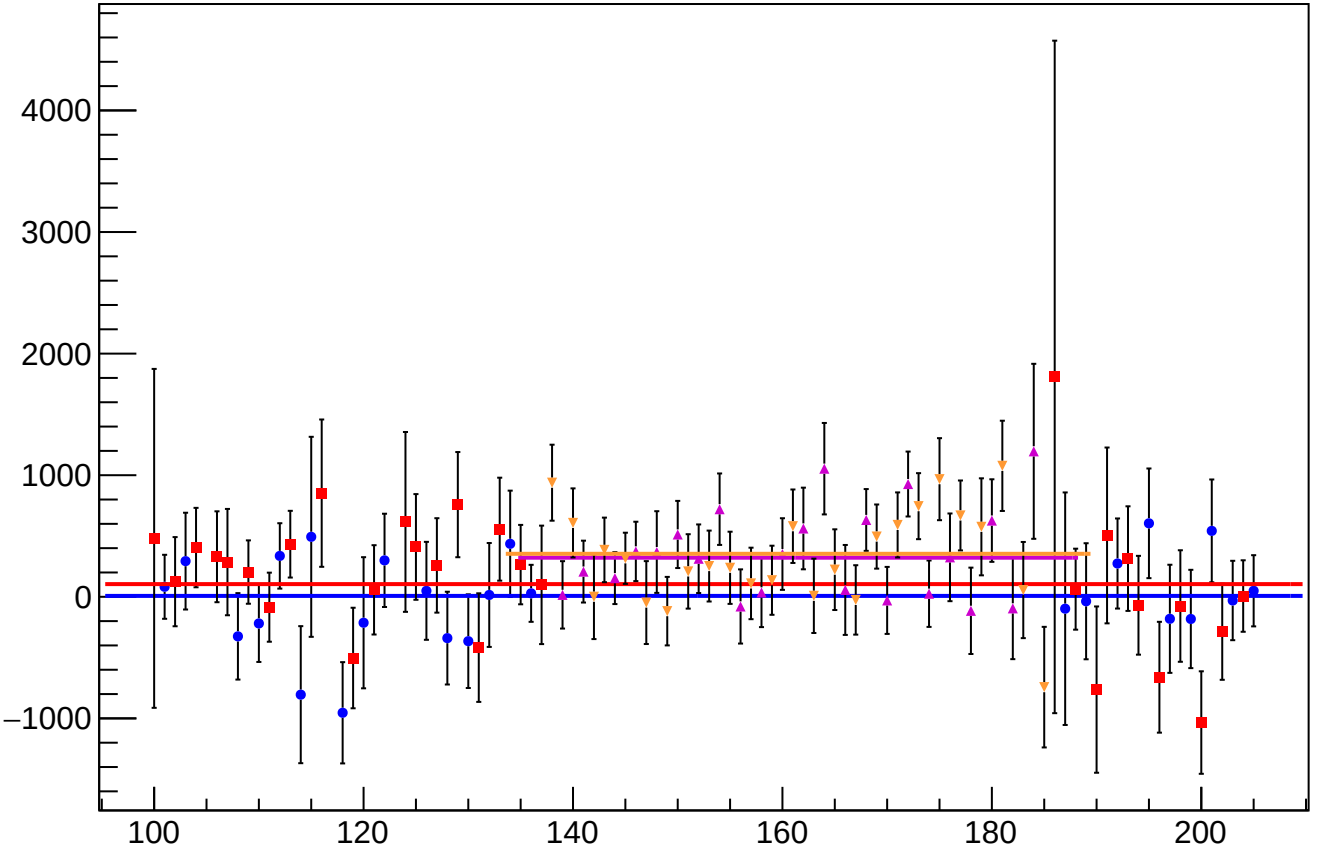
Right: 0.000+/-0.000 χ^2/NDF: 16907814.7/54

In: 0.000+/-0.000 χ^2/NDF:12384465.8/47

Out: 0.000+/-0.000 χ^2/NDF:17212141.8/54

All: 0.000+/-0.000 χ^2/NDF: 29715841.9/102

reg_asym_sam4_mean vs Slug, Sign Corrected



Right In: 7.348+/-75.103 χ^2/NDF: 19.0/24

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 104.384+/-73.082 χ^2/NDF: 27.4/29

Left In: 321.510+/-62.113 χ^2/NDF:26.2/22

Left: 338.079+/-43.209 χ^2/NDF: 58.7/47

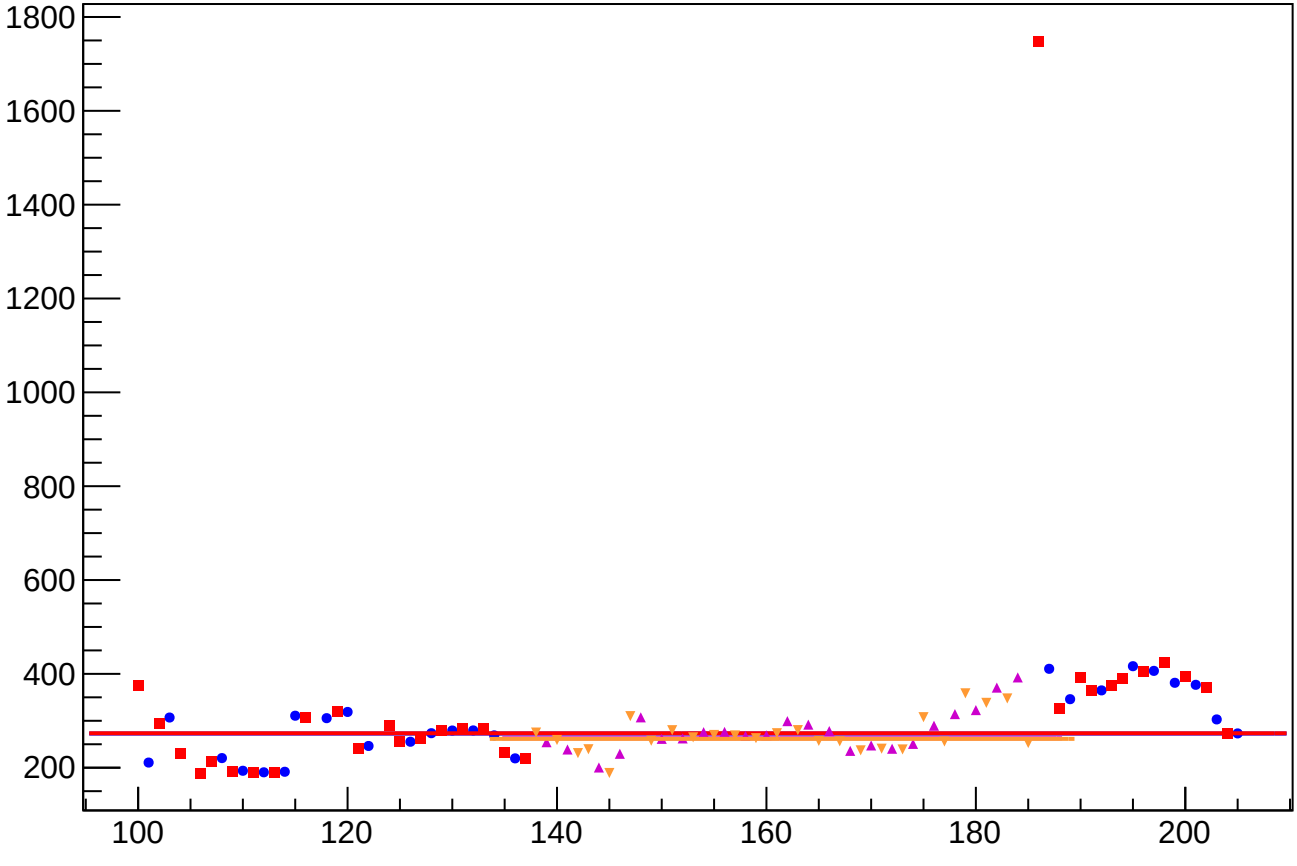
Right: 57.189+/-52.377 χ^2/NDF: 47.4/54

In: 193.906+/-47.864 χ^2/NDF:55.7/47

Out: 252.968+/-46.442 χ^2/NDF:66.7/54

All: 224.328+/-33.331 χ^2/NDF: 123.2/102

reg_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.758+/-0.053 χ^2/NDF: 1548289.2/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.390+/-0.052 χ^2/NDF: 2520043.6/29

Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

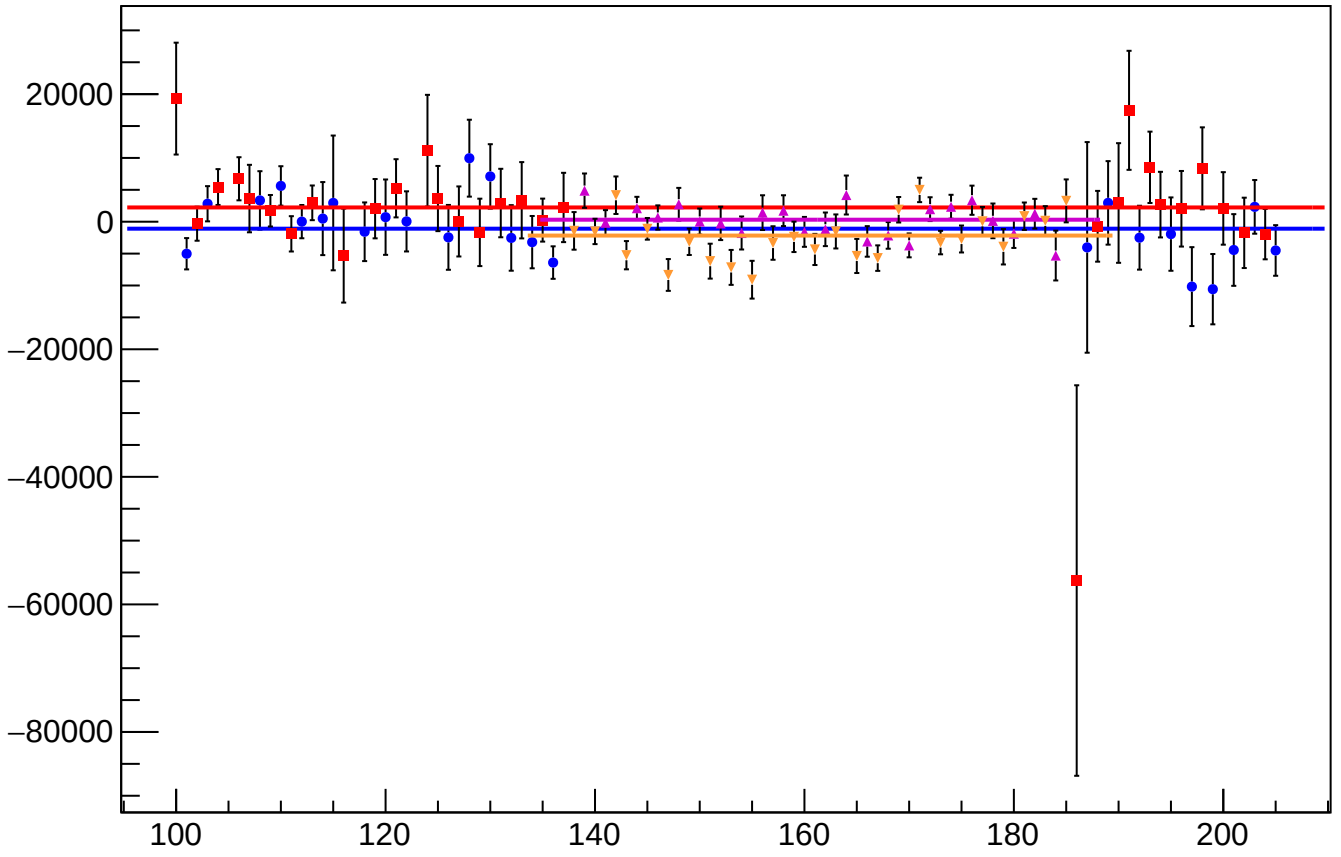
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.083+/-0.037 χ^2/NDF: 4068405.5/54

In: 266.736+/-0.034 χ^2/NDF:2240595.2/47

Out: 266.284+/-0.033 χ^2/NDF:3267233.1/54

All: 266.503+/-0.024 χ^2/NDF: 5507920.1/102



Right In: -1093.657+/-838.644 χ^2/NDF: 28.9/24

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: 2236.334+/-801.263 χ^2/NDF: 24.3/29

Left In: 313.739+/-474.086 χ^2/NDF:23.7/22

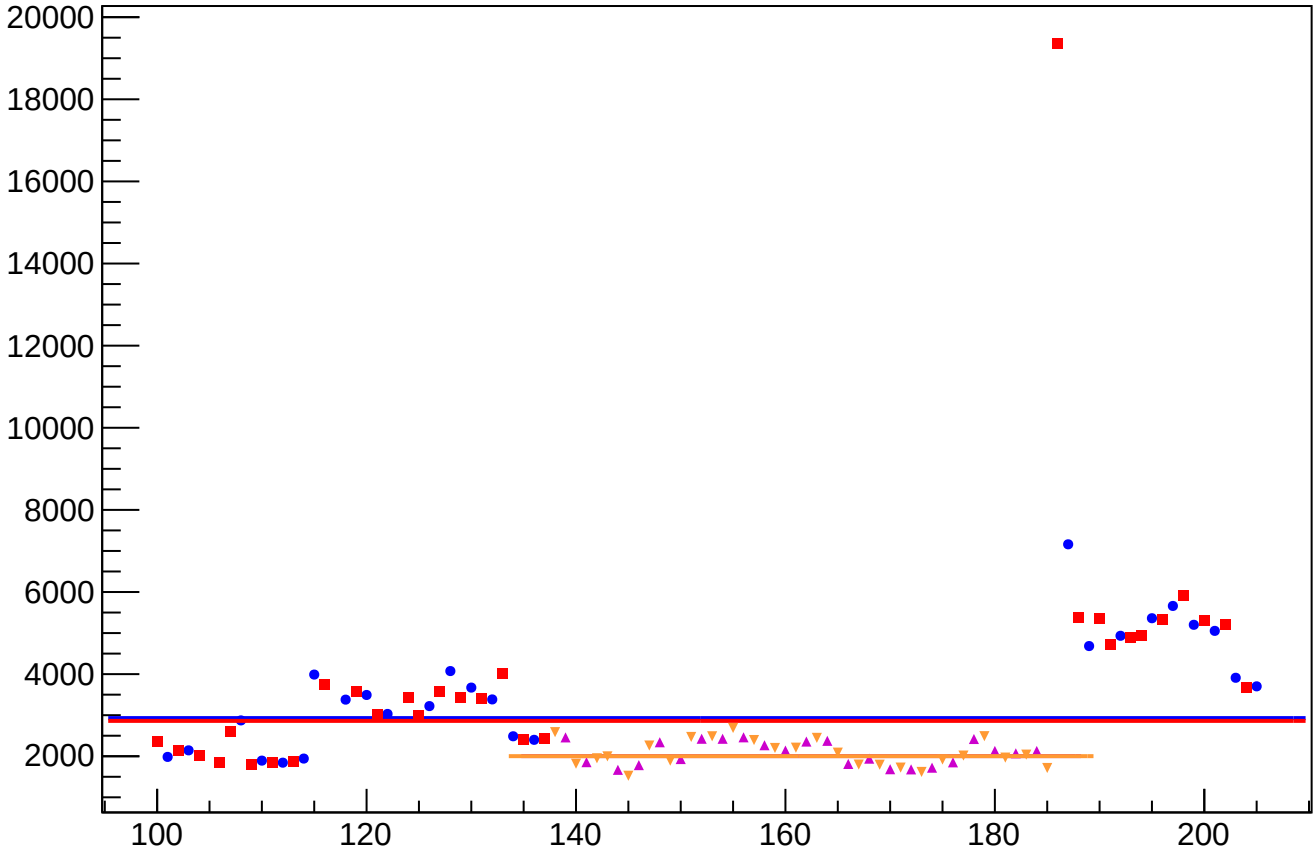
Left: -962.081+/-330.744 χ^2/NDF: 93.3/47

Right: 647.206+/-579.343 χ^2/NDF: 61.5/54

In: -27.096+/-412.707 χ^2/NDF:54.7/47

Out: -1073.229+/-400.007 χ^2/NDF:102.5/54

All: -566.506+/-287.233 χ^2/NDF: 160.6/102



Right In: 2929.094+/-0.593 χ^2/NDF: 3549126.3/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2861.545+/-0.567 χ^2/NDF: 5134375.4/29

Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.7/47

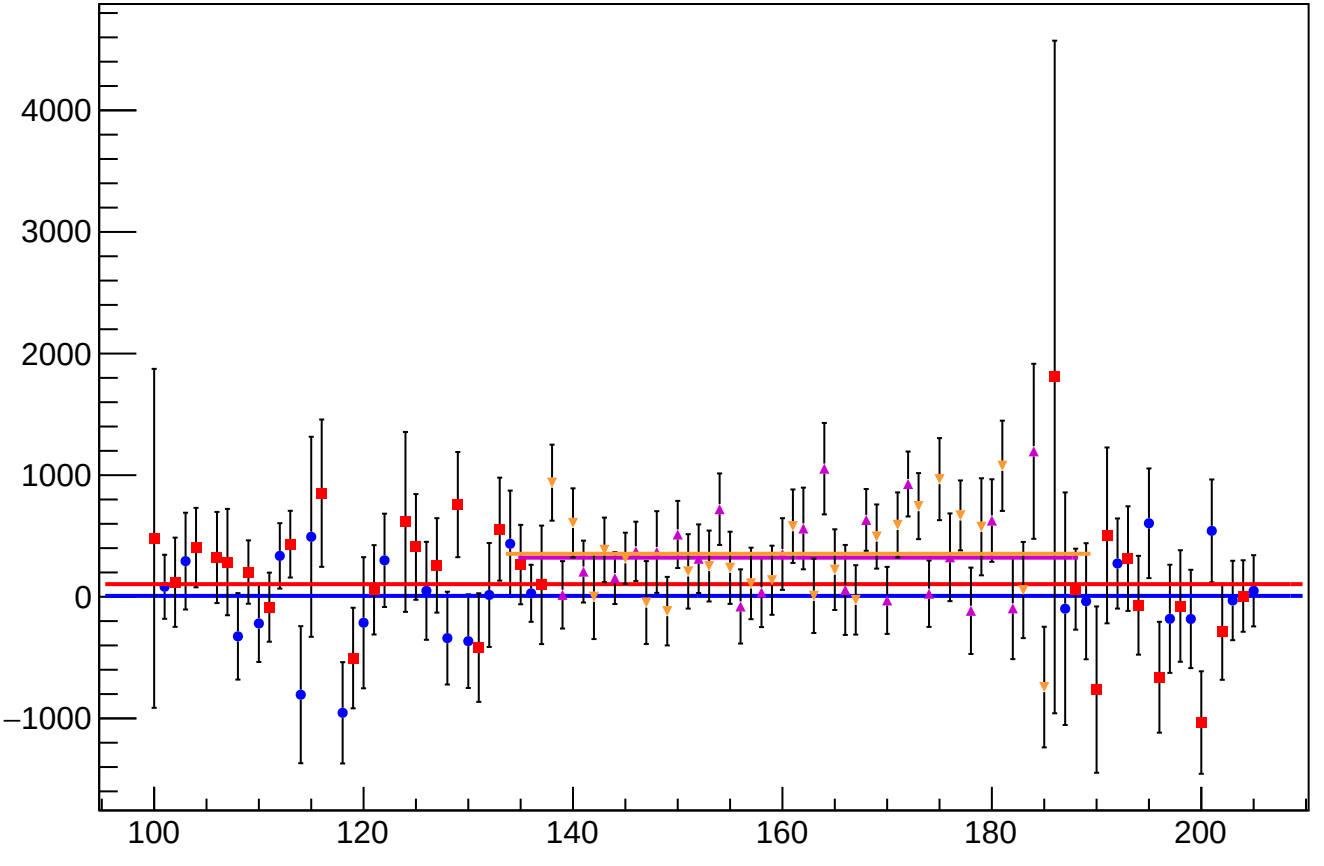
Right: 2893.781+/-0.410 χ^2/NDF: 8690285.0/54

In: 2228.219+/-0.292 χ^2/NDF:6097307.7/47

Out: 2216.389+/-0.283 χ^2/NDF:7754102.9/54

All: 2222.119+/-0.203 χ^2/NDF: 13852258.0/

cor_asym_sam4_mean vs Slug, Sign Corrected



Right In: 7.328+/-75.103 χ^2/NDF: 19.1/24

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 103.918+/-73.090 χ^2/NDF: 27.4/29

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

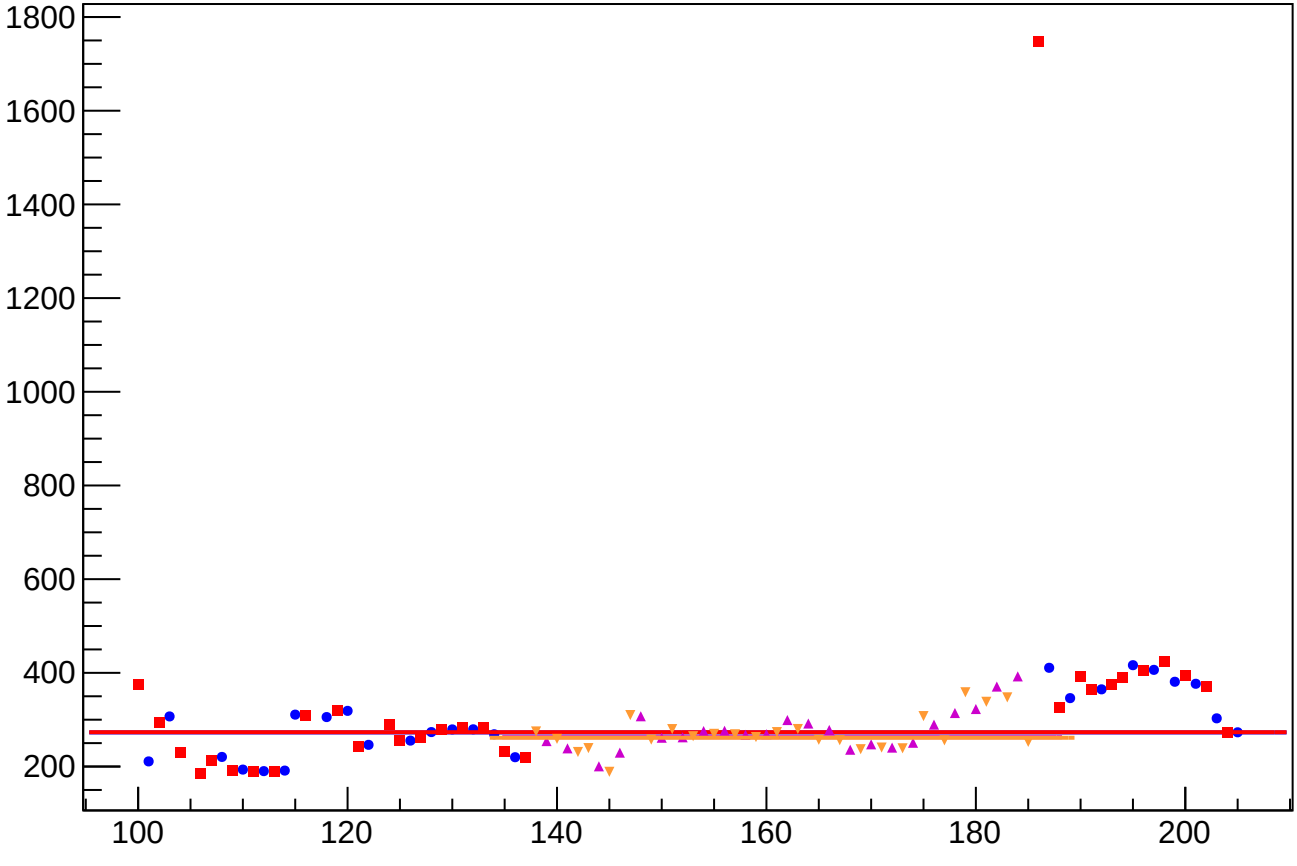
Right: 56.935+/-52.380 χ^2/NDF: 47.3/54

In: 193.901+/-47.864 χ^2/NDF:55.7/47

Out: 252.807+/-46.444 χ^2/NDF:66.7/54

All: 224.241+/-33.332 χ^2/NDF: 123.1/102

cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.759+/-0.053 χ^2/NDF: 1548290.6/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.314+/-0.052 χ^2/NDF: 2525875.3/29

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

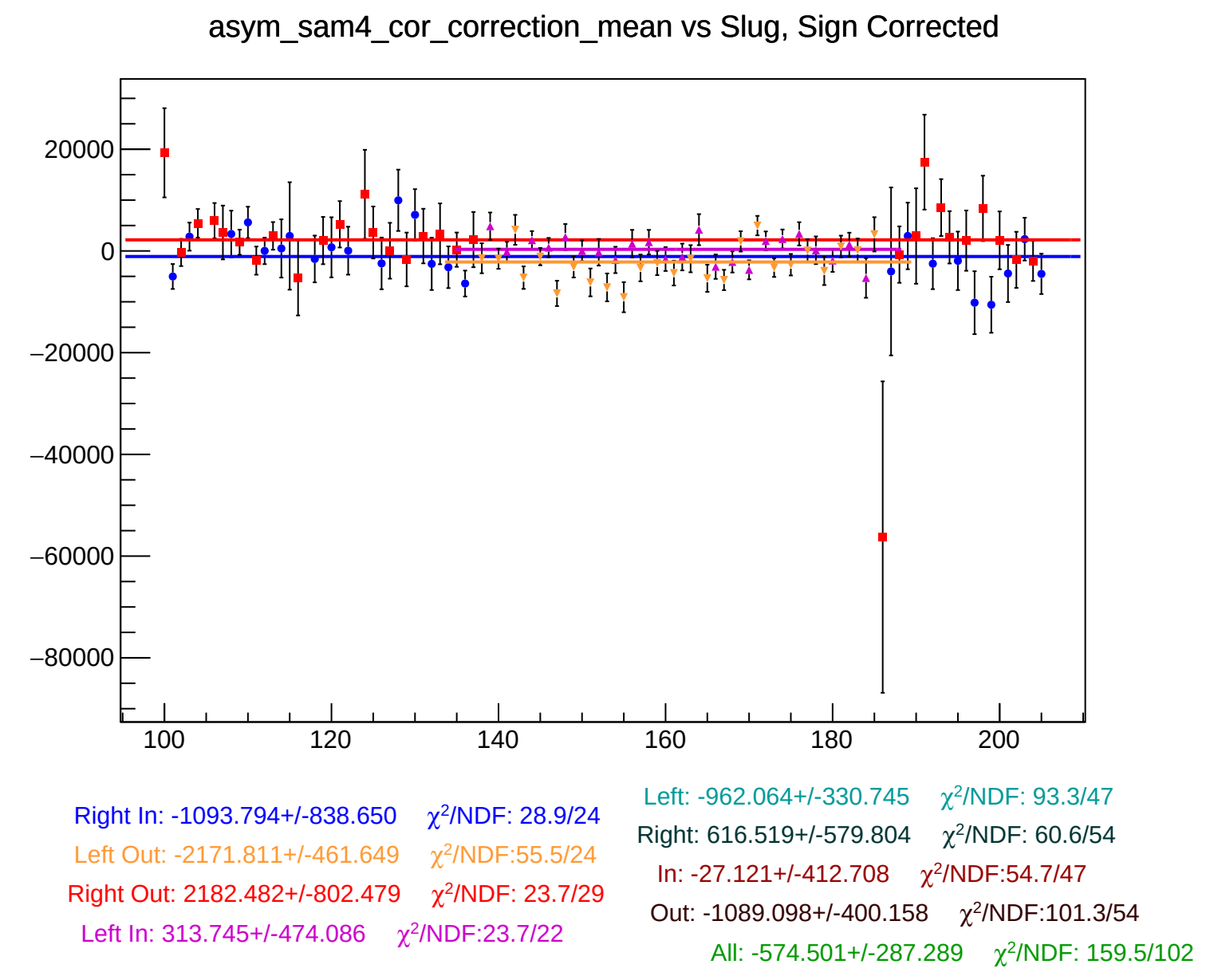
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.044+/-0.037 χ^2/NDF: 4074222.2/54

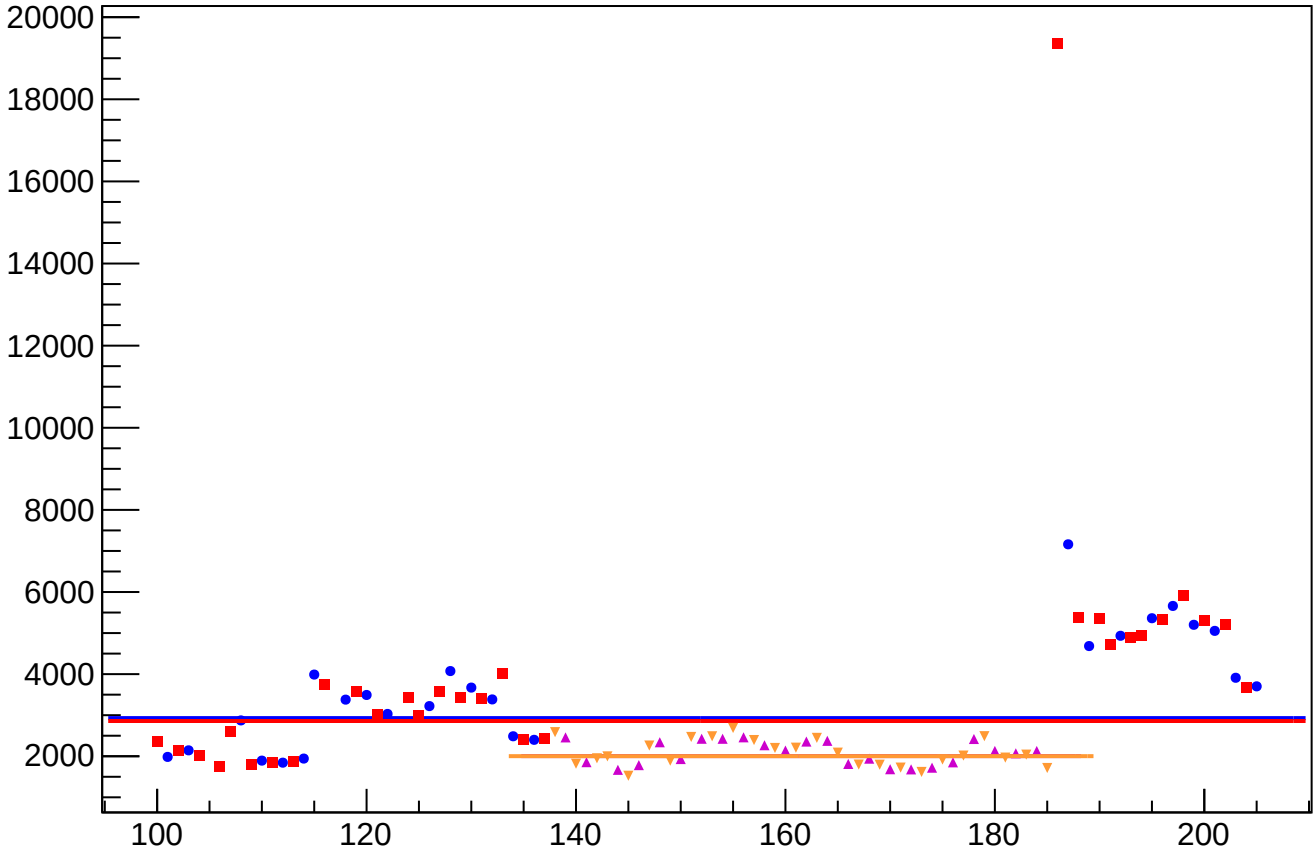
In: 266.736+/-0.034 χ^2/NDF:2240596.8/47

Out: 266.252+/-0.033 χ^2/NDF:3272658.8/54

All: 266.487+/-0.024 χ^2/NDF: 5513360.6/102


asym_sam4_cor_correction_mean vs Slug, Sign Corrected
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
Right In: -1093.794+/-838.650 χ²/NDF: 28.9/24
Left Out: -2171.811+/-461.649 χ²/NDF:55.5/24
Right Out: 2182.482+/-802.479 χ²/NDF: 23.7/29
Left In: 313.745+/-474.086 χ²/NDF:23.7/22
Left: -962.064+/-330.745 χ²/NDF: 93.3/47
Right: 616.519+/-579.804 χ²/NDF: 60.6/54
In: -27.121+/-412.708 χ²/NDF:54.7/47
Out: -1089.098+/-400.158 χ²/NDF:101.3/54
All: -574.501+/-287.289 χ²/NDF: 159.5/102

asym_sam4_cor_correction_rms vs Slug, Sign Corrected



Right In: 2929.120+/-0.593 χ^2/NDF: 3549035.9/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2858.698+/-0.567 χ^2/NDF: 5163948.6/29

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

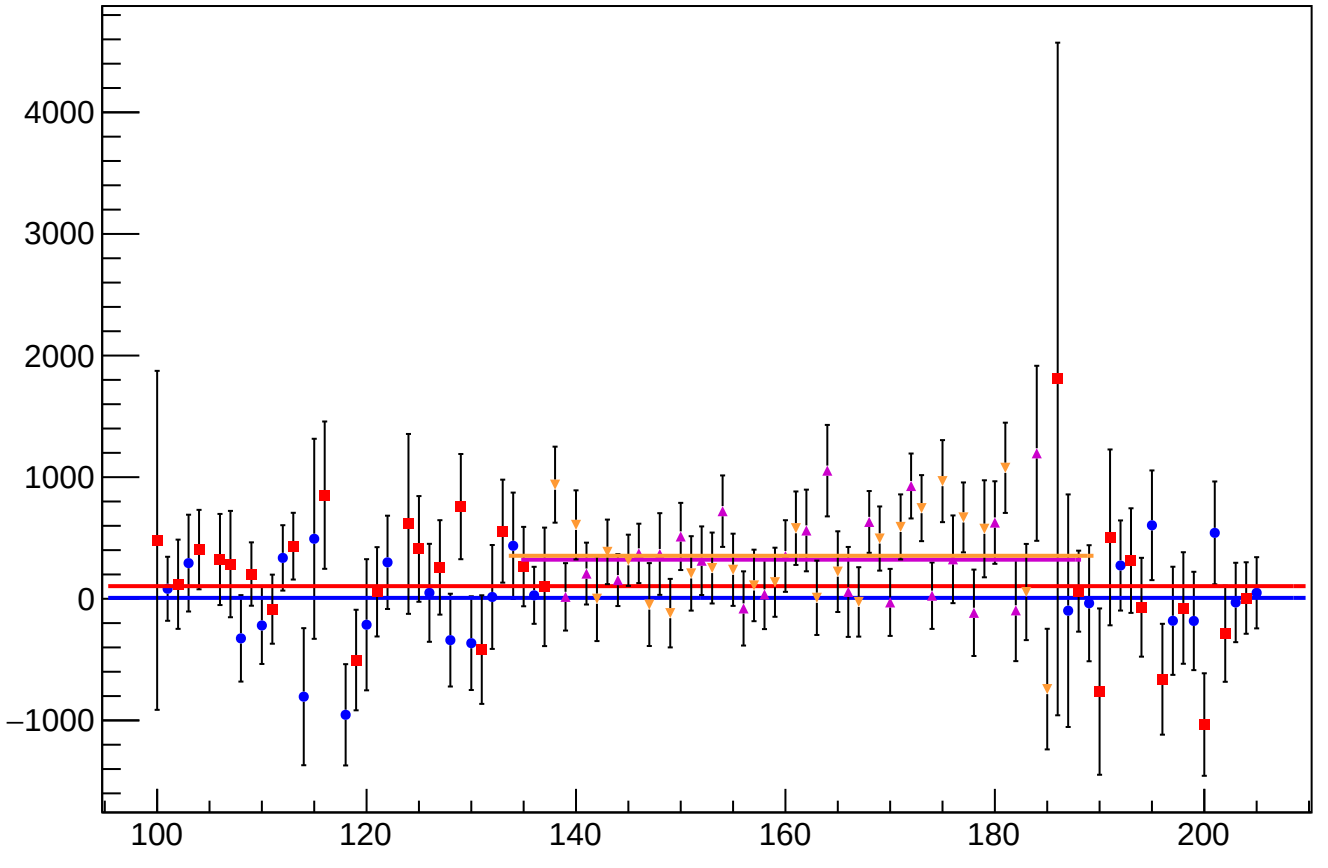
Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

Right: 2892.358+/-0.410 χ^2/NDF: 8720346.3/54

In: 2228.223+/-0.292 χ^2/NDF:6097299.4/47

Out: 2215.194+/-0.283 χ^2/NDF:7768347.3/54

All: 2221.507+/-0.203 χ^2/NDF: 13866674.1/1



Right In: 7.328+/-75.103 χ^2/NDF: 19.1/24

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 103.918+/-73.090 χ^2/NDF: 27.4/29

Left In: 321.514+/-62.113 χ^2/NDF:26.2/22

Left: 338.093+/-43.209 χ^2/NDF: 58.7/47

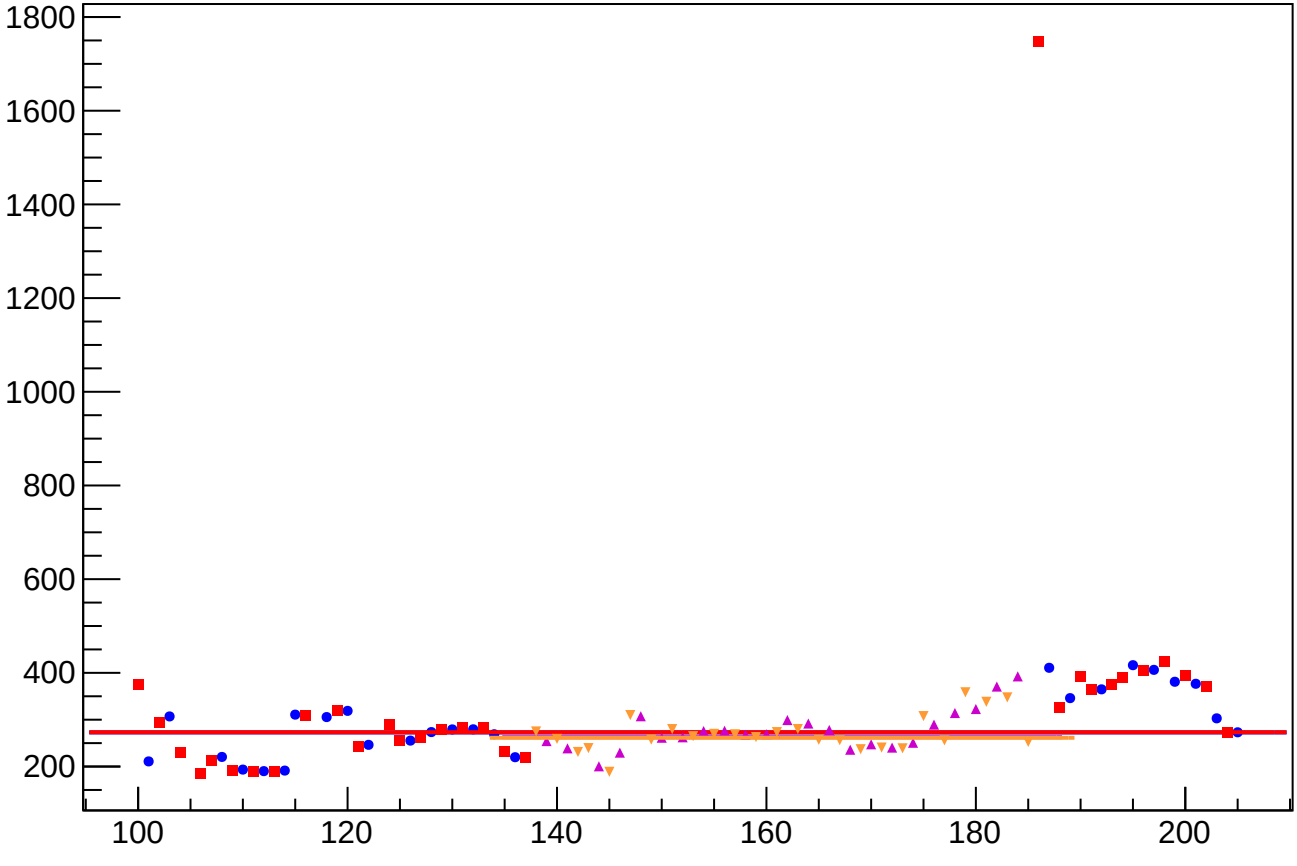
Right: 56.935+/-52.380 χ^2/NDF: 47.3/54

In: 193.901+/-47.864 χ^2/NDF:55.7/47

Out: 252.807+/-46.444 χ^2/NDF:66.7/54

All: 224.241+/-33.332 χ^2/NDF: 123.1/102

eigen_cor_asym_sam4_rms vs Slug, Sign Corrected



Right In: 272.759+/-0.053 χ^2/NDF: 1548290.6/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.314+/-0.052 χ^2/NDF: 2525875.3/29

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

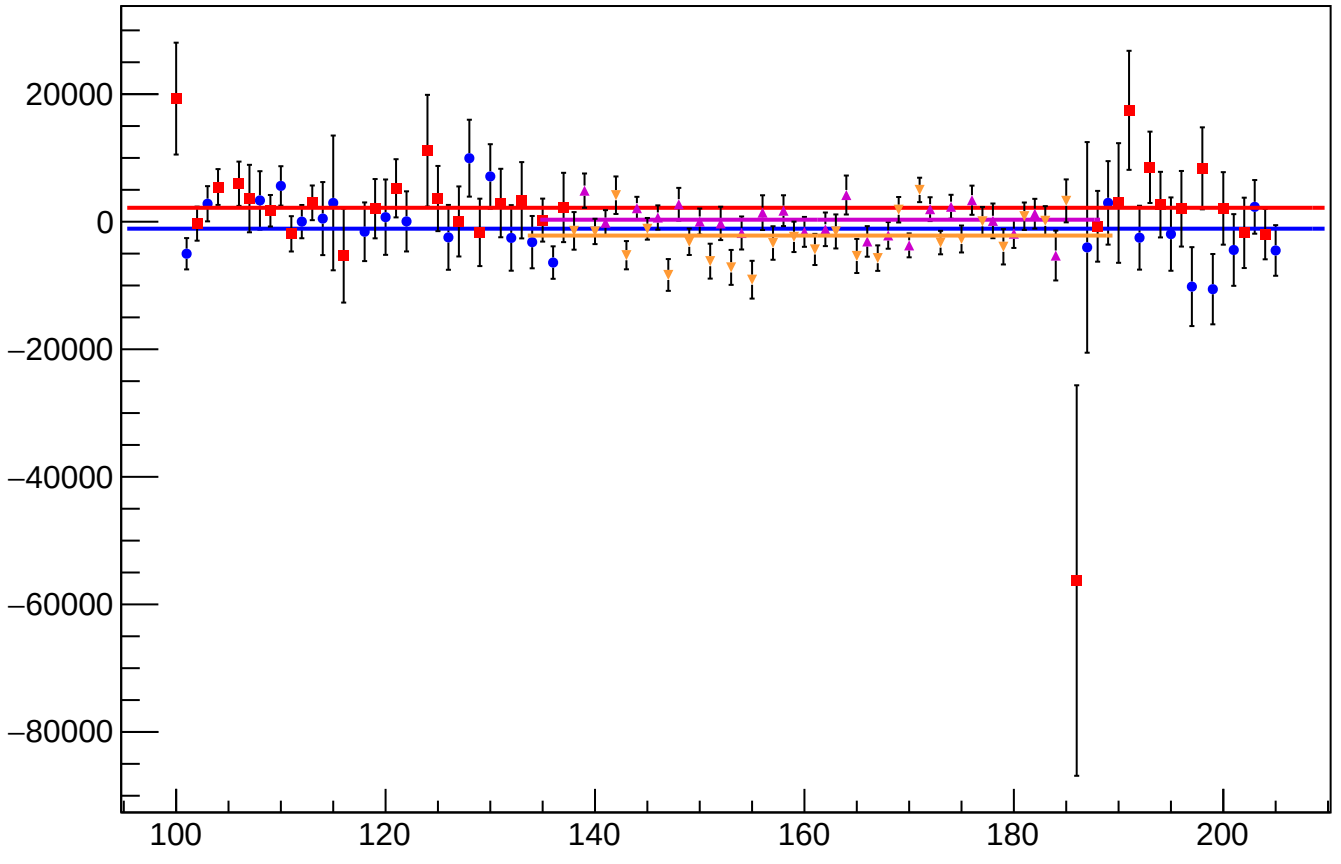
Left: 262.024+/-0.031 χ^2/NDF: 1386465.9/47

Right: 273.044+/-0.037 χ^2/NDF: 4074222.2/54

In: 266.736+/-0.034 χ^2/NDF:2240596.8/47

Out: 266.252+/-0.033 χ^2/NDF:3272658.8/54

All: 266.487+/-0.024 χ^2/NDF: 5513360.6/102



Right In: -1093.794+/-838.650 χ^2/NDF: 28.9/24

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: 2182.482+/-802.479 χ^2/NDF: 23.7/29

Left In: 313.745+/-474.086 χ^2/NDF:23.7/22

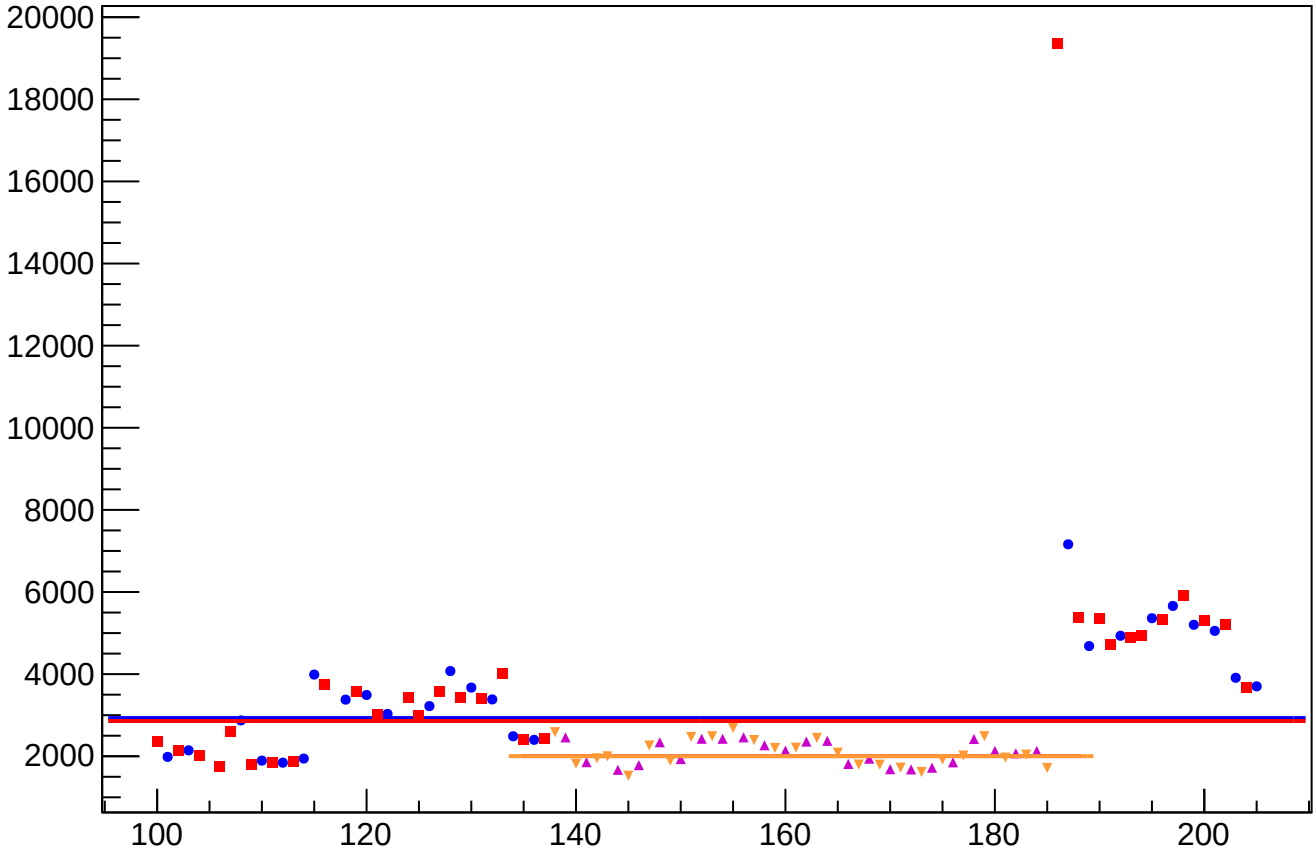
Left: -962.064+/-330.745 χ^2/NDF: 93.3/47

Right: 616.519+/-579.804 χ^2/NDF: 60.6/54

In: -27.121+/-412.708 χ^2/NDF:54.7/47

Out: -1089.098+/-400.158 χ^2/NDF:101.3/54

All: -574.501+/-287.289 χ^2/NDF: 159.5/102



Right In: 2929.120+/-0.593 χ^2/NDF: 3549035.9/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2858.698+/-0.567 χ^2/NDF: 5163948.6/29

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

Left: 2003.210+/-0.234 χ^2/NDF: 1597645.9/47

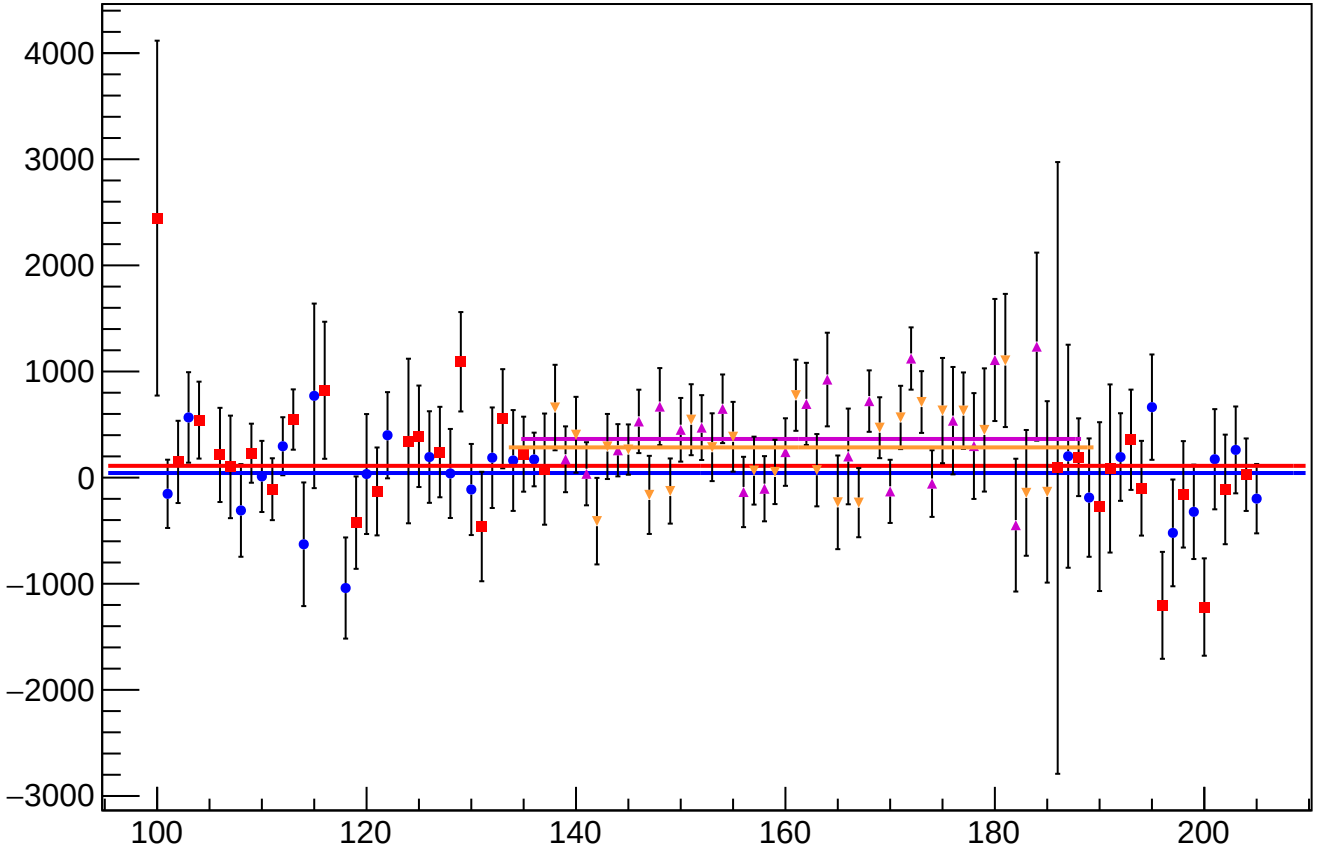
Right: 2892.358+/-0.410 χ^2/NDF: 8720346.3/54

In: 2228.223+/-0.292 χ^2/NDF:6097299.4/47

Out: 2215.194+/-0.283 χ^2/NDF:7768347.3/54

All: 2221.507+/-0.203 χ^2/NDF: 13866674.1/1

dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 43.408+/-83.209 χ^2/NDF: 16.8/24

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: 110.949+/-80.092 χ^2/NDF: 33.3/29

Left In: 364.163+/-71.714 χ^2/NDF:28.2/22

Left: 323.600+/-50.106 χ^2/NDF: 51.7/47

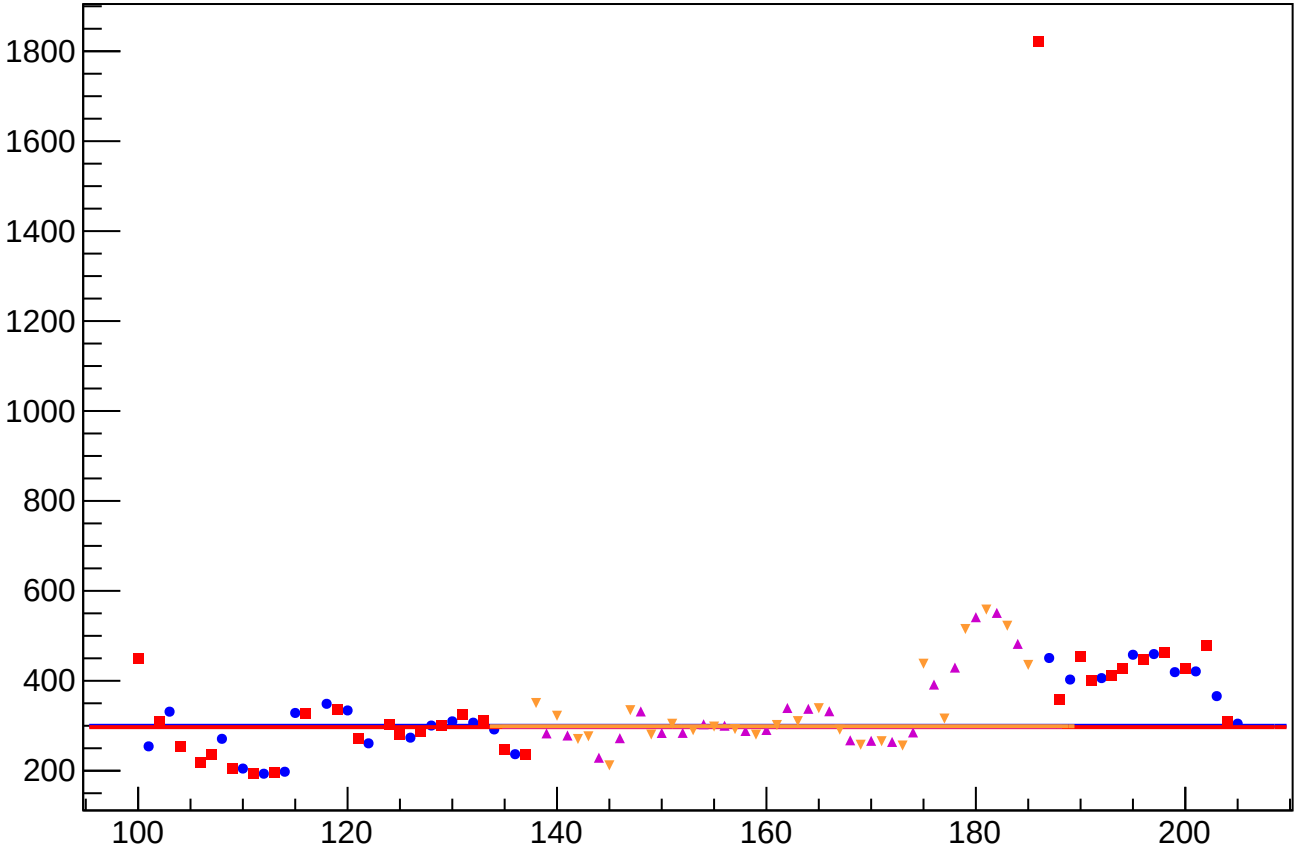
Right: 78.468+/-57.704 χ^2/NDF: 50.4/54

In: 227.456+/-54.323 χ^2/NDF:53.5/47

Out: 209.531+/-52.722 χ^2/NDF:58.8/54

All: 218.225+/-37.833 χ^2/NDF: 112.3/102

dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 299.946+/-0.059 χ^2/NDF: 1742130.1/24

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 296.945+/-0.057 χ^2/NDF: 2800735.8/29

Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

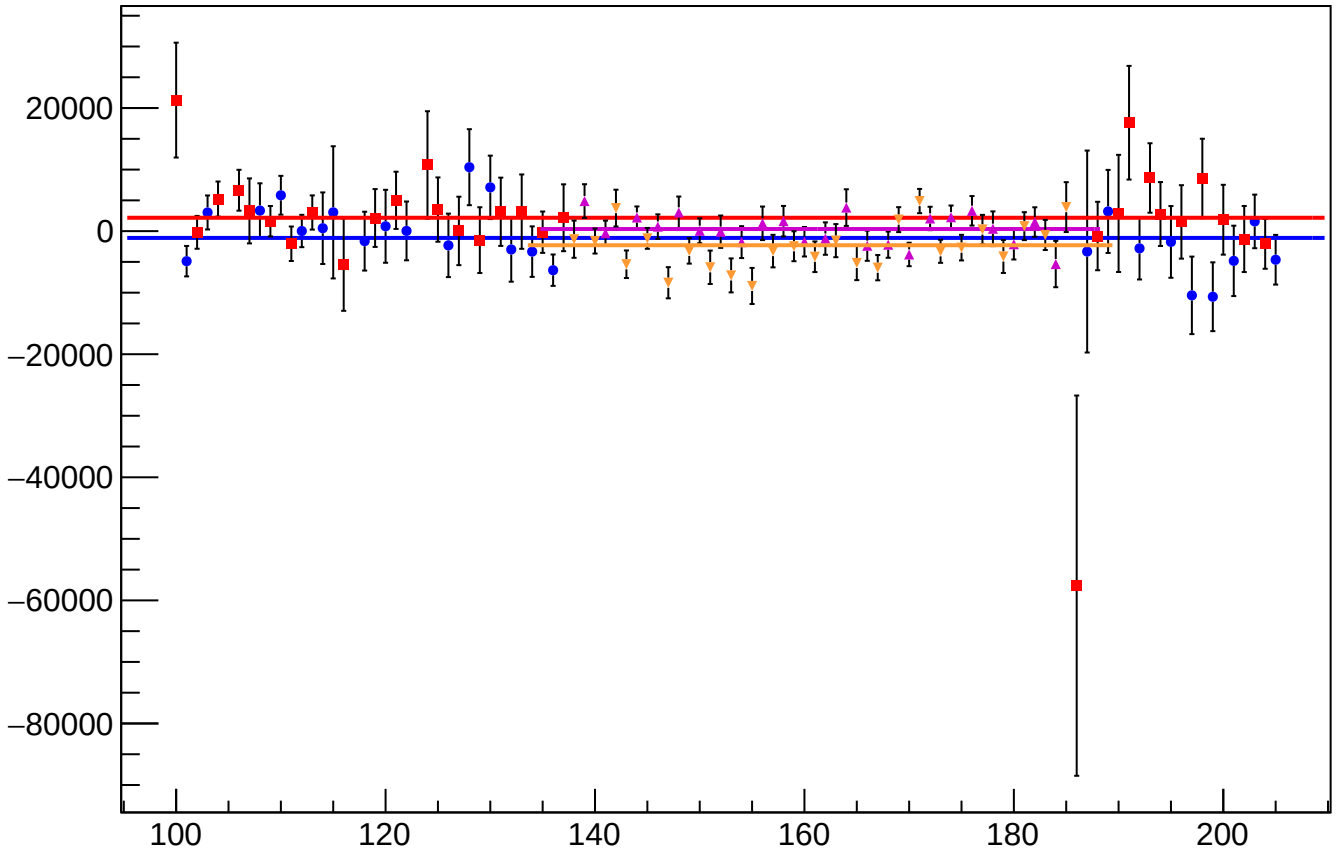
Left: 298.424+/-0.035 χ^2/NDF: 2932359.8/47

Right: 298.388+/-0.041 χ^2/NDF: 4544216.5/54

In: 298.763+/-0.038 χ^2/NDF:3061895.8/47

Out: 298.074+/-0.037 χ^2/NDF:4414515.2/54

All: 298.408+/-0.027 χ^2/NDF: 7476576.8/102



Right In: -1103.059+/-847.509 χ^2/NDF: 28.9/24

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: 2172.584+/-807.079 χ^2/NDF: 24.7/29

Left In: 342.609+/-483.605 χ^2/NDF:22.8/22

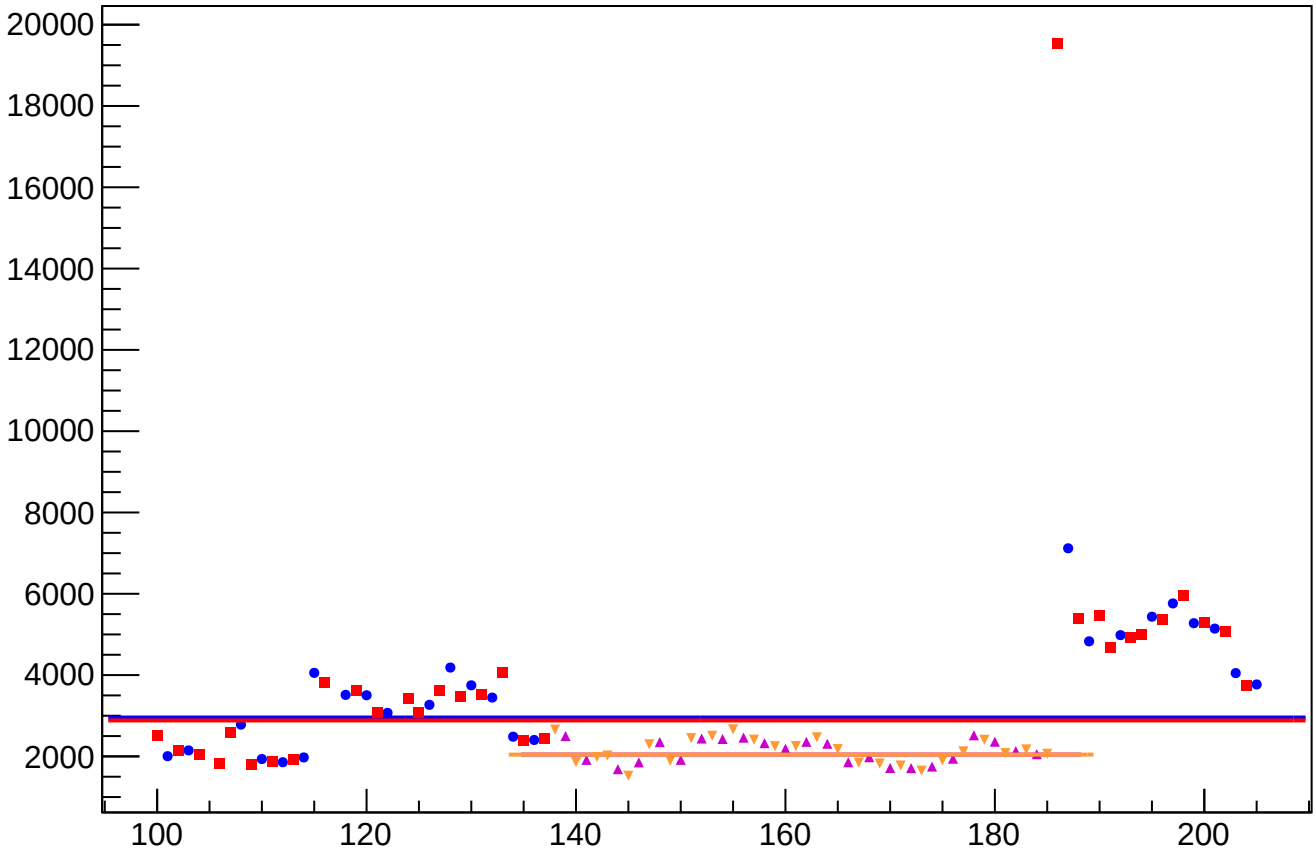
Left: -1010.309+/-337.238 χ^2/NDF: 89.7/47

Right: 614.755+/-584.461 χ^2/NDF: 61.4/54

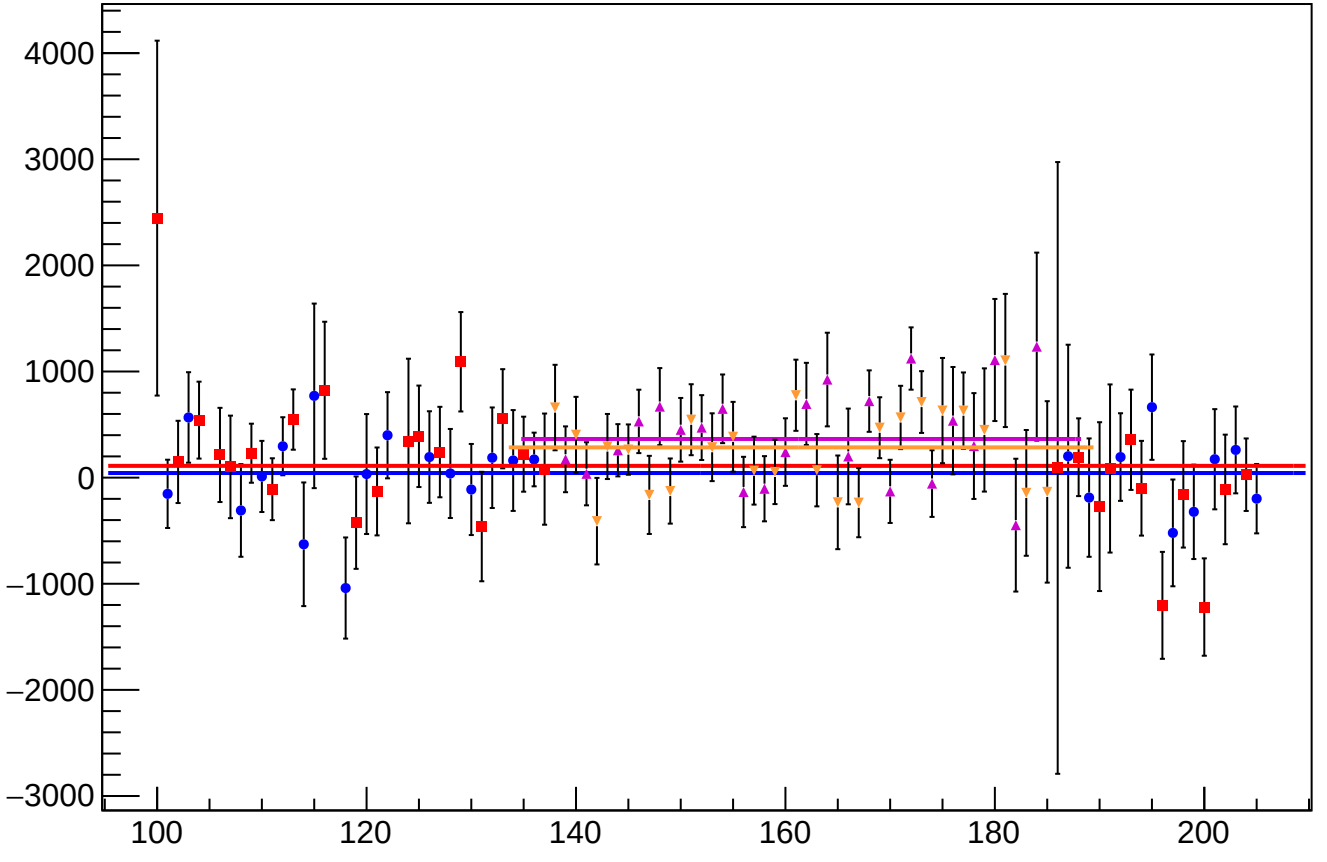
In: -12.488+/-420.033 χ^2/NDF:54.0/47

Out: -1158.753+/-406.484 χ^2/NDF:99.2/54

All: -604.406+/-292.100 χ^2/NDF: 157.0/102


asym_sam4_dit_correction_rms vs Slug, Sign Corrected
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2956.484+/-0.599 χ²/NDF: 3632654.7/24
Left Out: 2043.746+/-0.333 χ²/NDF:853391.4/24
Right Out: 2884.008+/-0.571 χ²/NDF: 5126129.3/29
Left In: 2045.178+/-0.342 χ²/NDF:690219.7/22
Left: 2044.442+/-0.238 χ²/NDF: 1543620.1/47
Right: 2918.476+/-0.413 χ²/NDF: 8766454.2/54
In: 2269.021+/-0.297 χ²/NDF:6067310.0/47
Out: 2256.888+/-0.287 χ²/NDF:7597464.6/54
All: 2262.756+/-0.207 χ²/NDF: 13665636.2/1

eigen_dit_asym_sam4_mean vs Slug, Sign Corrected



Right In: 43.413+/-83.209 χ^2/NDF: 16.8/24

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: 110.949+/-80.092 χ^2/NDF: 33.3/29

Left In: 364.164+/-71.714 χ^2/NDF:28.2/22

Left: 323.603+/-50.106 χ^2/NDF: 51.7/47

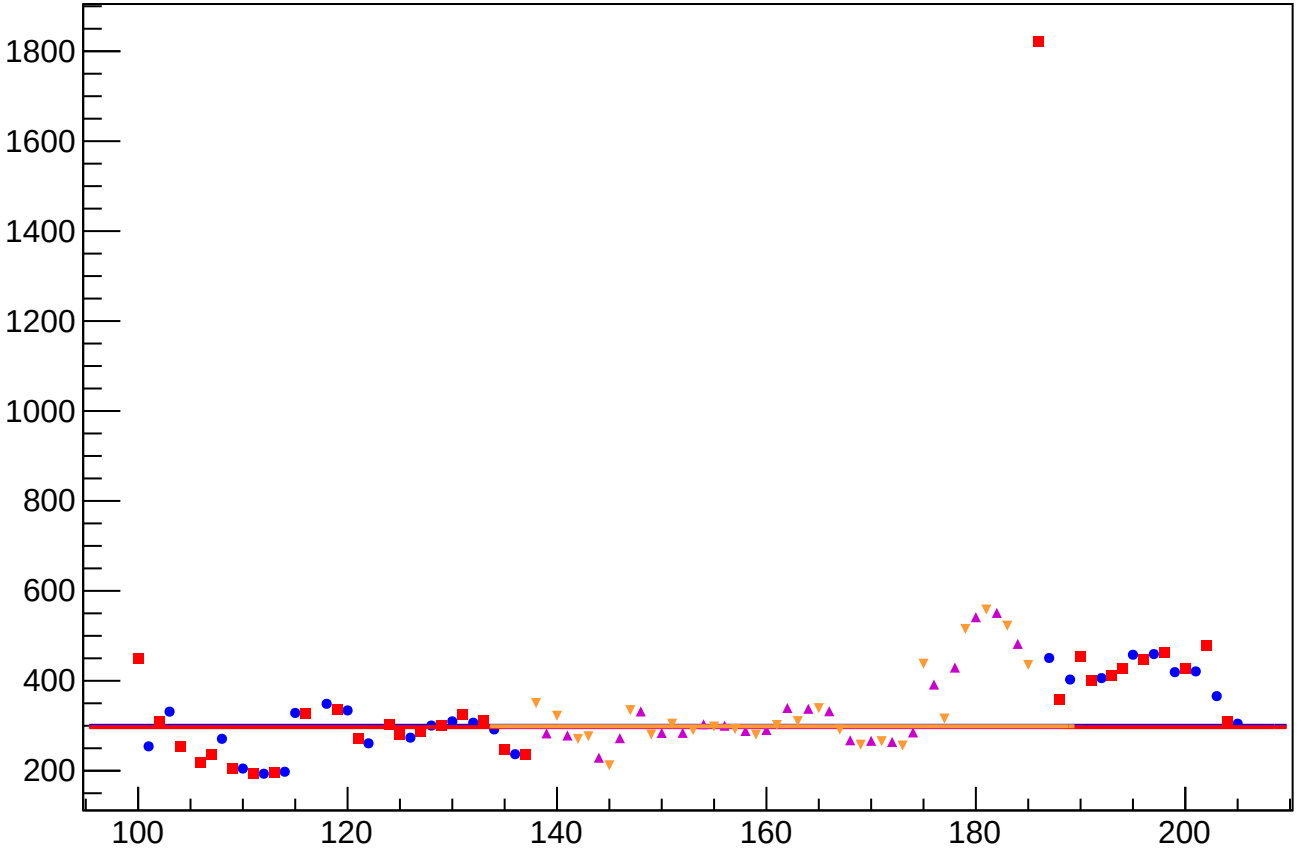
Right: 78.470+/-57.704 χ^2/NDF: 50.4/54

In: 227.458+/-54.323 χ^2/NDF:53.5/47

Out: 209.533+/-52.722 χ^2/NDF:58.8/54

All: 218.228+/-37.833 χ^2/NDF: 112.3/102

eigen_dit_asym_sam4_rms vs Slug, Sign Corrected



Right In: 299.946+/-0.059 χ^2/NDF: 1742117.1/24

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 296.944+/-0.057 χ^2/NDF: 2800741.7/29

Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

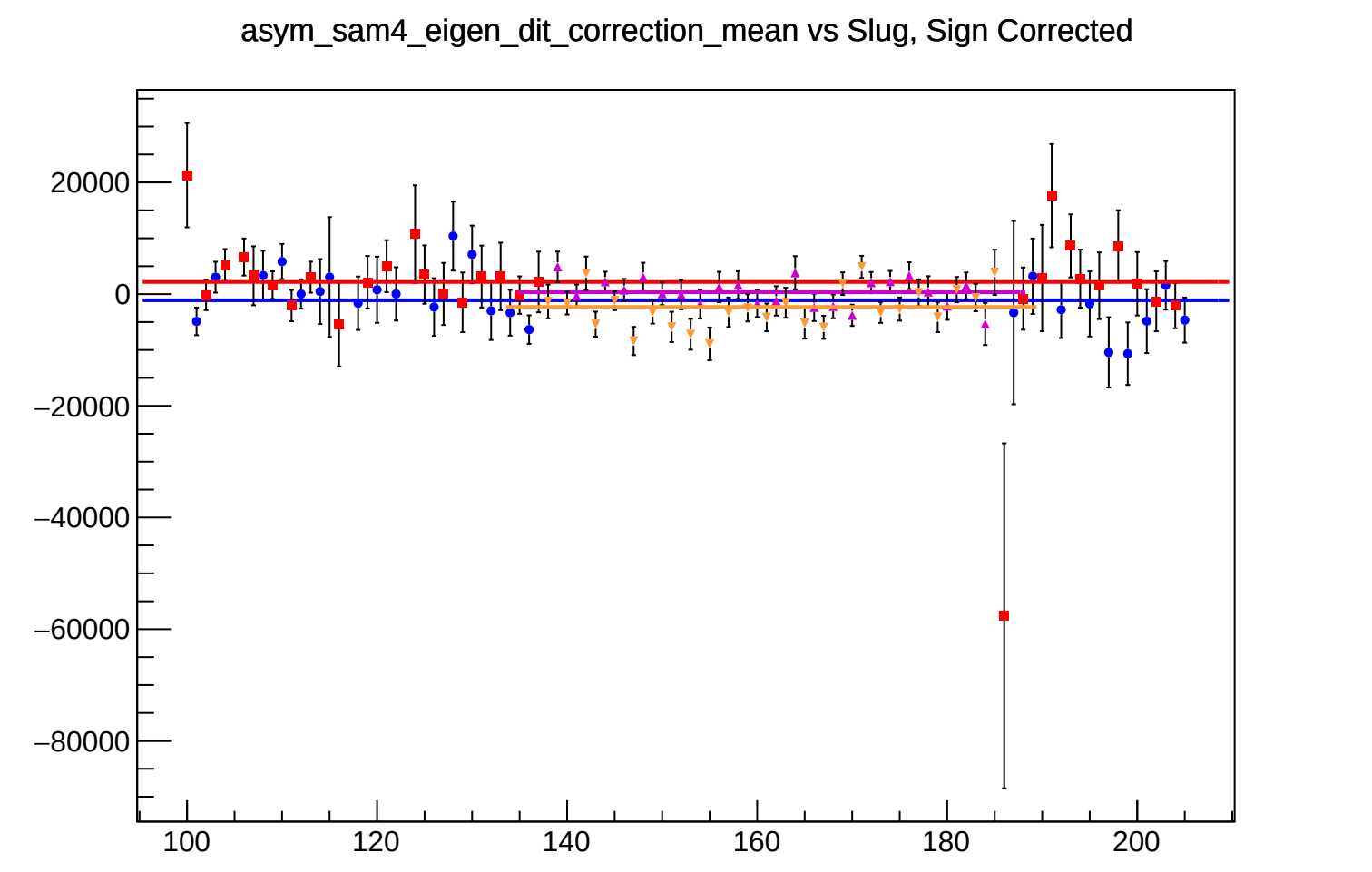
Left: 298.424+/-0.035 χ^2/NDF: 2932338.7/47

Right: 298.388+/-0.041 χ^2/NDF: 4544209.3/54

In: 298.763+/-0.038 χ^2/NDF:3061864.2/47

Out: 298.074+/-0.037 χ^2/NDF:4414518.5/54

All: 298.409+/-0.027 χ^2/NDF: 7476548.5/102



Right In: -1103.059+/-847.508 χ^2/NDF: 28.9/24

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: 2172.582+/-807.078 χ^2/NDF: 24.7/29

Left In: 342.606+/-483.604 χ^2/NDF:22.8/22

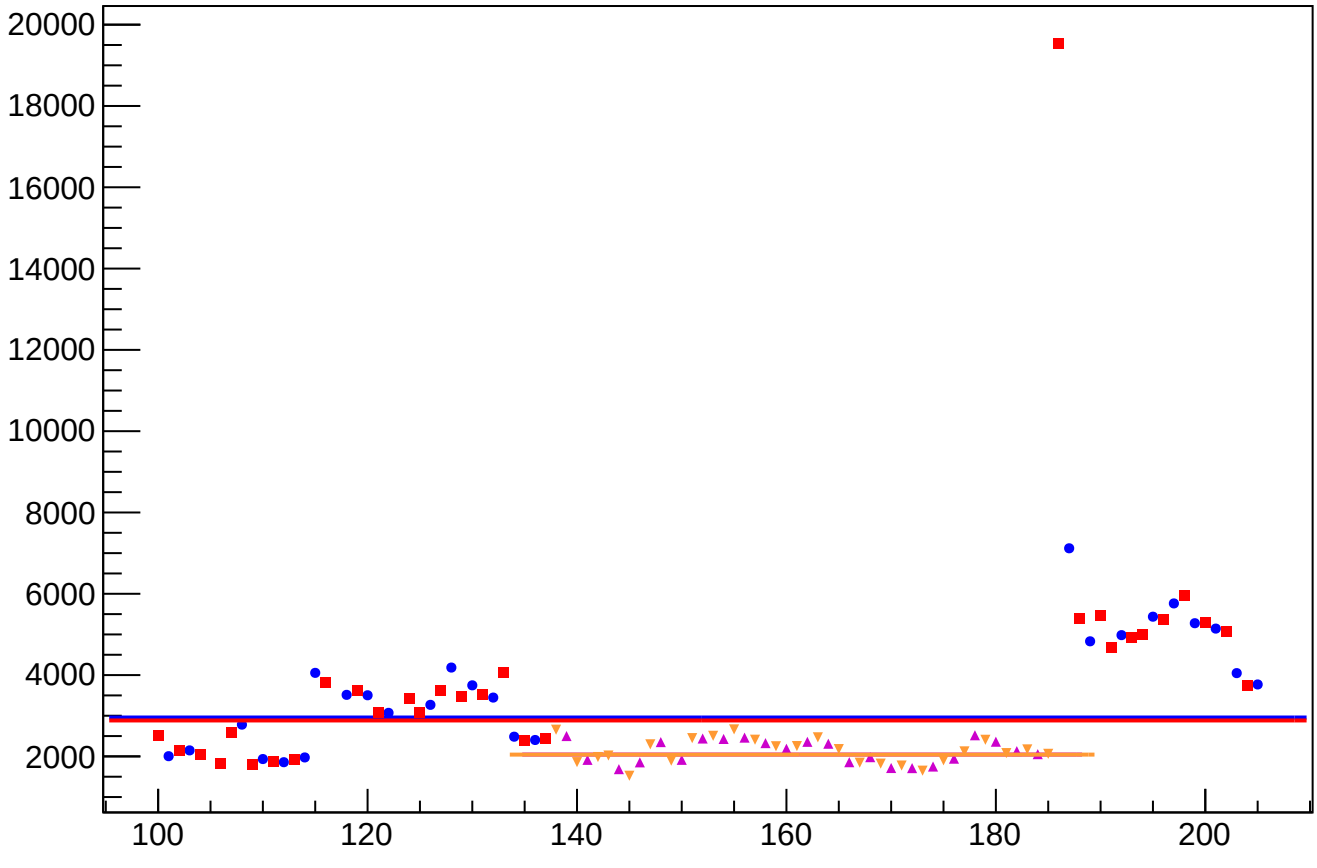
Left: -1010.308+/-337.238 χ^2/NDF: 89.7/47

Right: 614.754+/-584.461 χ^2/NDF: 61.4/54

In: -12.489+/-420.033 χ^2/NDF:54.0/47

Out: -1158.750+/-406.484 χ^2/NDF:99.2/54

All: -604.405+/-292.100 χ^2/NDF: 157.0/102



Right In: 2956.482+/-0.599 χ^2/NDF: 3632651.8/24

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2884.006+/-0.571 χ^2/NDF: 5126123.9/29

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

Left: 2044.439+/-0.238 χ^2/NDF: 1543620.9/47

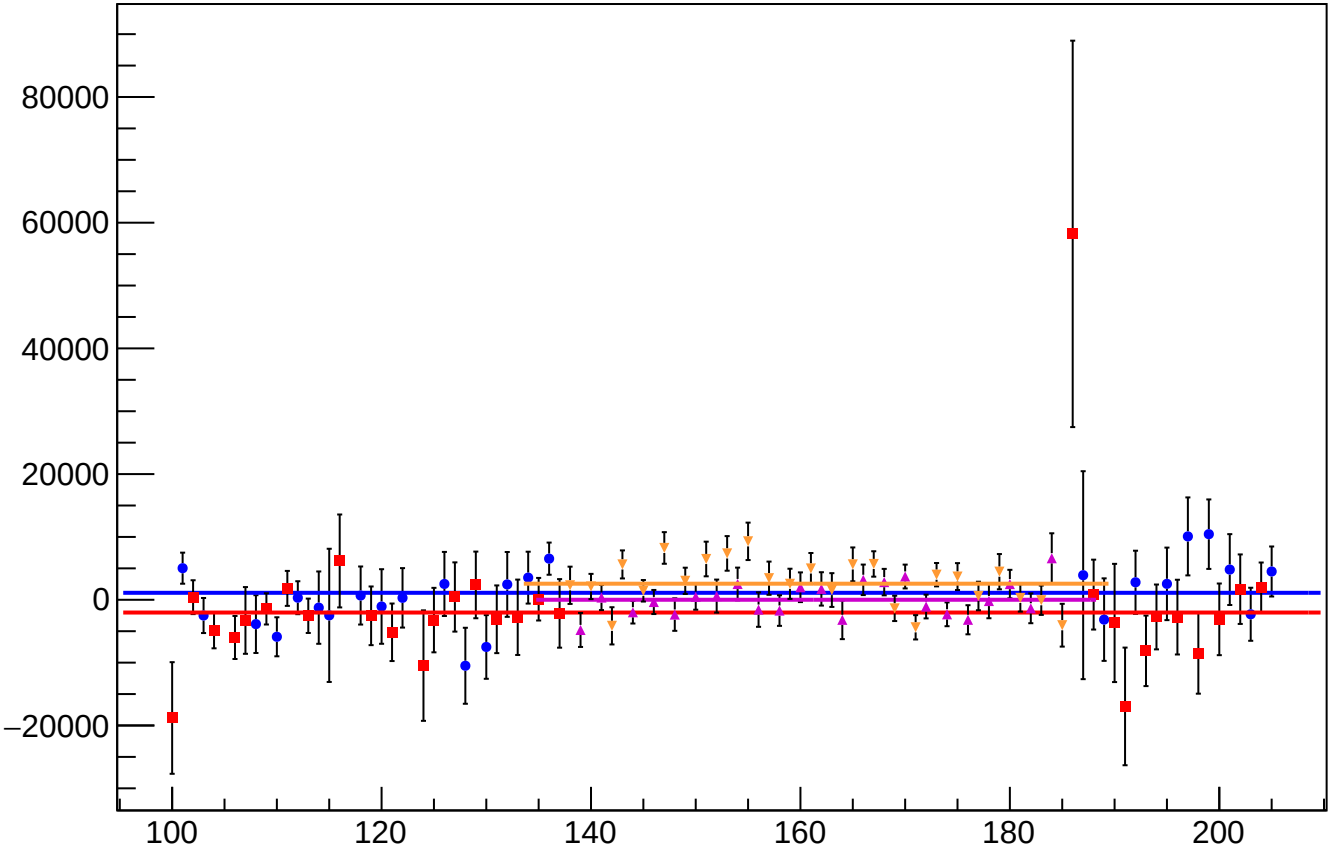
Right: 2918.474+/-0.413 χ^2/NDF: 8766445.9/54

In: 2269.018+/-0.297 χ^2/NDF:6067311.4/47

Out: 2256.885+/-0.287 χ^2/NDF:7597468.1/54

All: 2262.753+/-0.207 χ^2/NDF: 13665641.2/

asym_sam4_mean vs Slug, Sign Corrected



Right In: 1110.589+/-842.845 χ^2/NDF: 29.9/24

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: -2029.001+/-805.688 χ^2/NDF: 23.3/29

Left In: 3.474+/-478.514 χ^2/NDF:24.7/22

Left: 1315.267+/-333.828 χ^2/NDF: 92.0/47

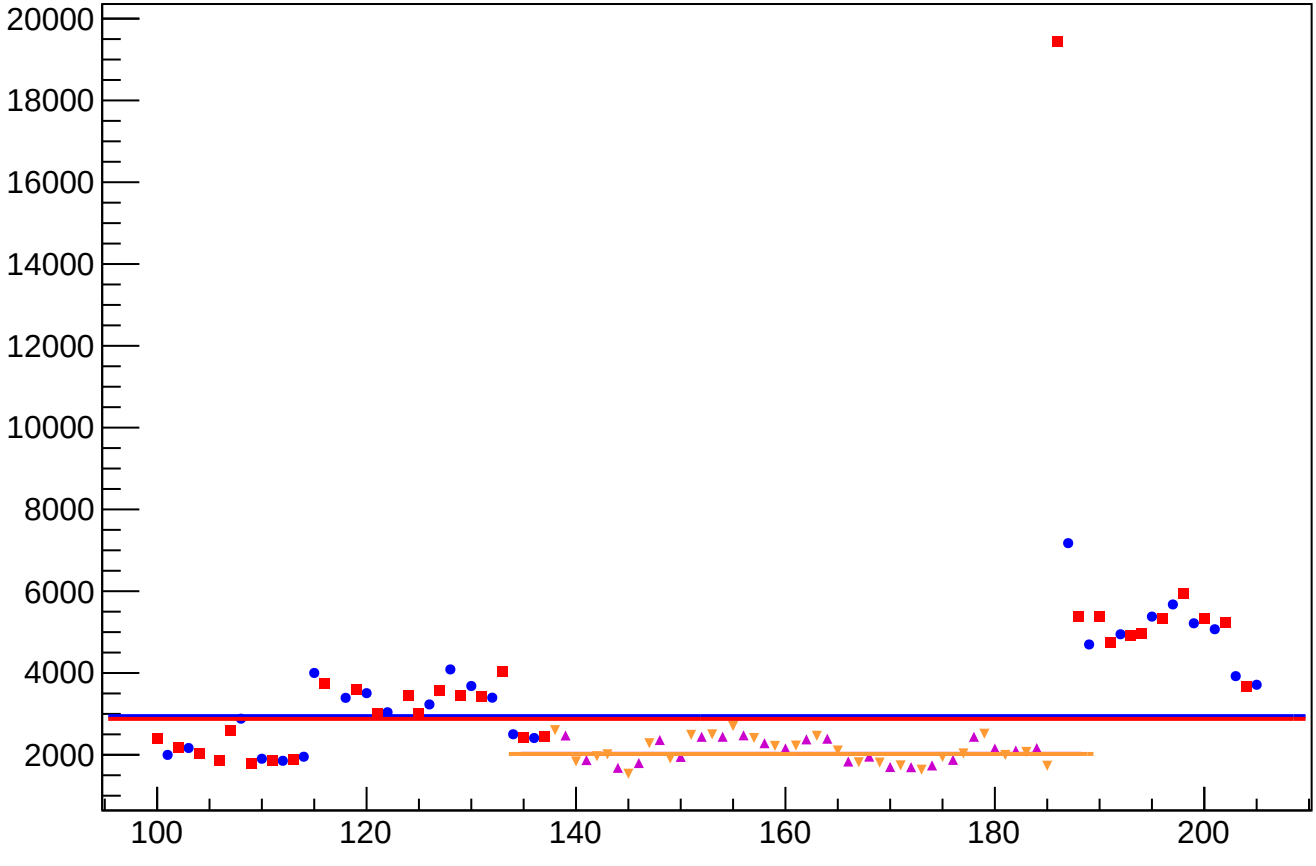
Right: -529.935+/-582.400 χ^2/NDF: 60.4/54

In: 273.340+/-416.127 χ^2/NDF:55.9/47

Out: 1409.150+/-403.350 χ^2/NDF:100.2/54

All: 858.949+/-289.623 χ^2/NDF: 160.0/102

asym_sam4_rms vs Slug, Sign Corrected



Right In: 2945.411+/-0.596 χ^2/NDF: 3522828.3/24

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2878.800+/-0.570 χ^2/NDF: 5100860.8/29

Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

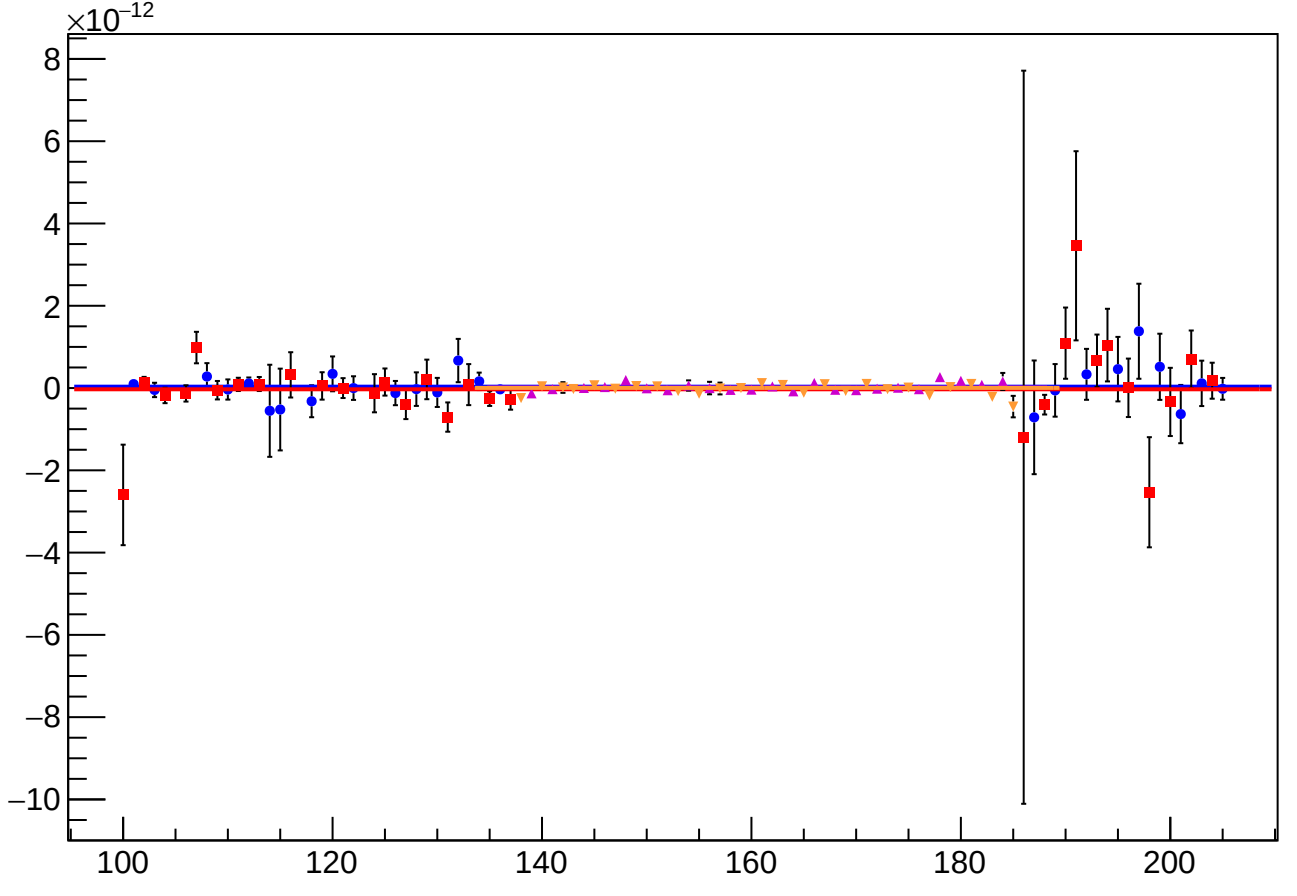
Left: 2022.248+/-0.236 χ^2/NDF: 1577444.6/47

Right: 2910.605+/-0.412 χ^2/NDF: 8630216.4/54

In: 2248.058+/-0.294 χ^2/NDF:6029299.2/47

Out: 2236.189+/-0.285 χ^2/NDF:7680070.7/54

All: 2241.938+/-0.205 χ^2/NDF: 13710208.7/1



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/29

Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

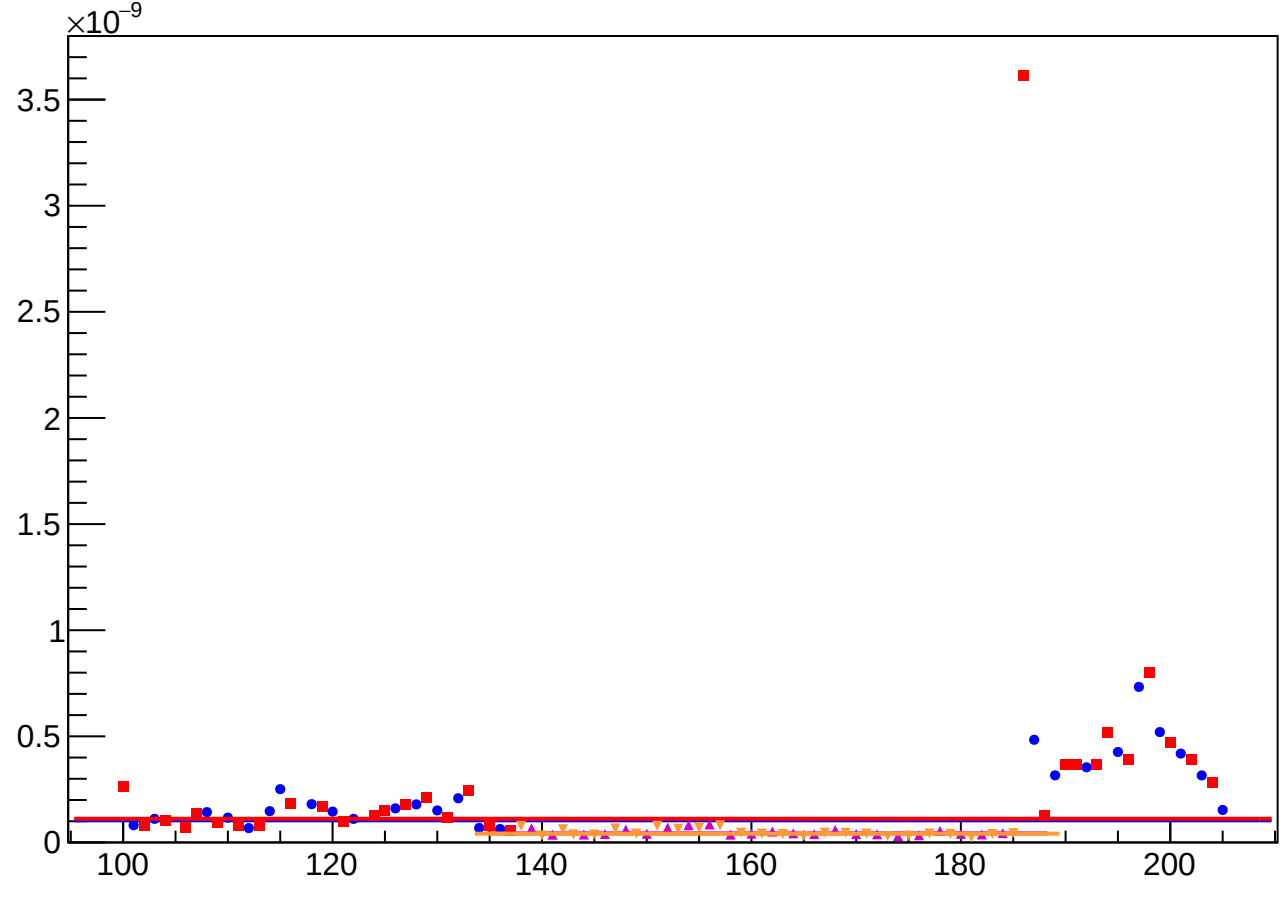
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 47.6/54

In: 0.000+/-0.000 χ^2/NDF:30.6/47

Out: 0.000+/-0.000 χ^2/NDF:69.7/54

All: 0.000+/-0.000 χ^2/NDF: 100.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 3982295.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4086622.1/29

Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2176066.9/47

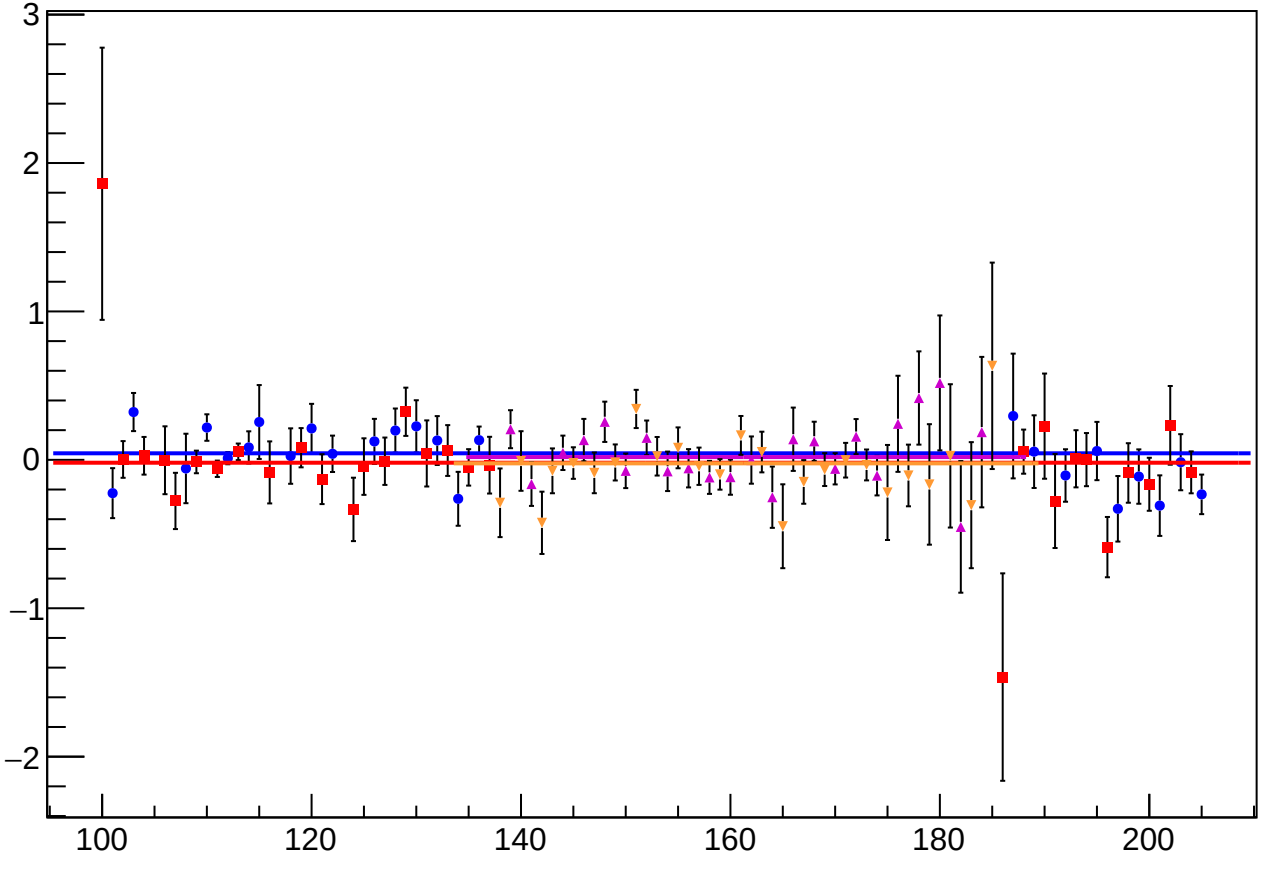
Right: 0.000+/-0.000 χ^2/NDF: 8089510.7/54

In: 0.000+/-0.000 χ^2/NDF:7565302.3/47

Out: 0.000+/-0.000 χ^2/NDF:8548667.9/54

All: 0.000+/-0.000 χ^2/NDF: 16131722.2/102

asym_sam4_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

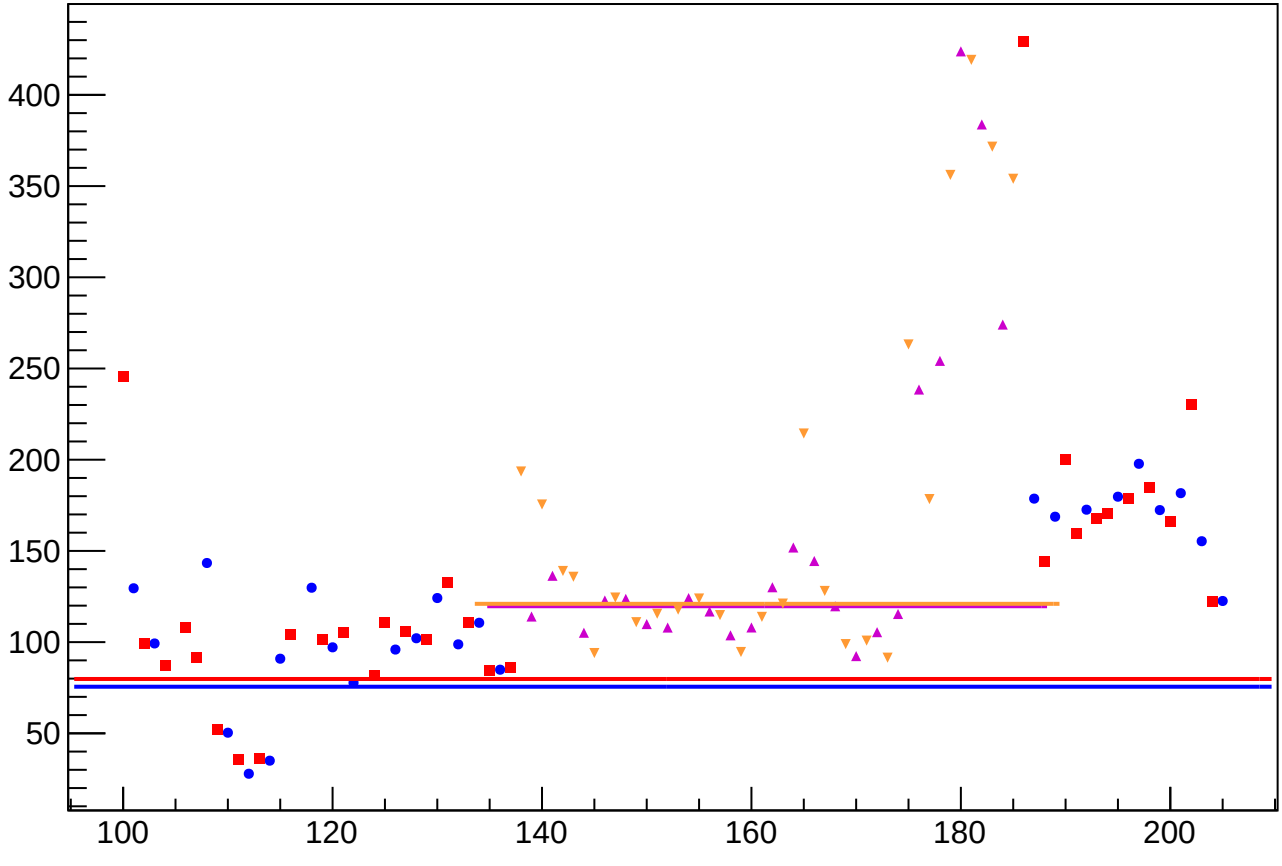
Right: 0.012+/-0.017 χ^2/NDF: 67.7/54

In: 0.034+/-0.019 χ^2/NDF:55.7/47

Out: -0.021+/-0.019 χ^2/NDF:54.3/54

All: 0.006+/-0.014 χ^2/NDF: 114.2/102

asym_sam4_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 75.555+/-0.018 χ^2/NDF: 8061125.8/24

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 79.797+/-0.017 χ^2/NDF: 7862844.1/29

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

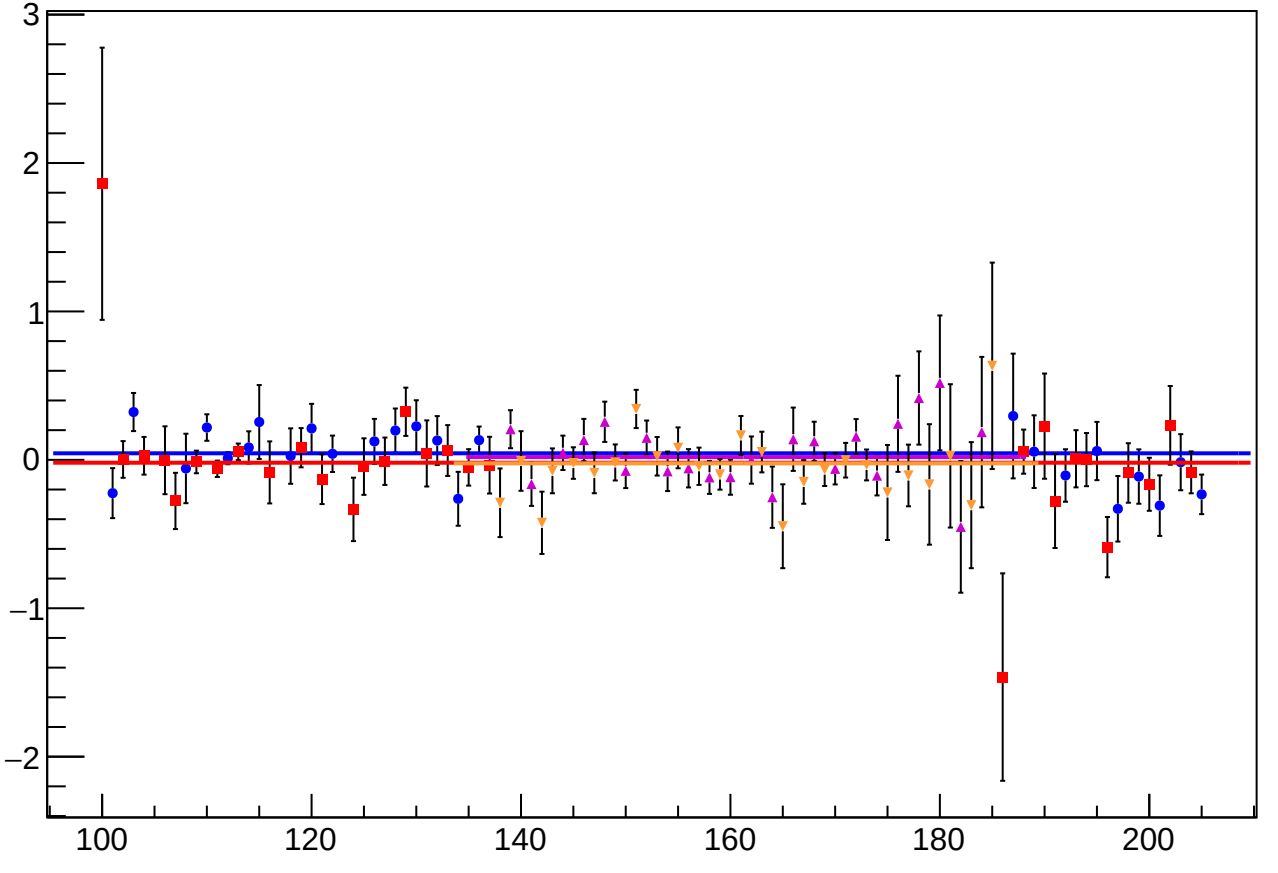
Right: 77.707+/-0.012 χ^2/NDF: 15953364.2/54

In: 93.416+/-0.014 χ^2/NDF:13436308.8/47

Out: 96.398+/-0.013 χ^2/NDF:14225218.6/54

All: 94.927+/-0.010 χ^2/NDF: 27685880.3/102

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

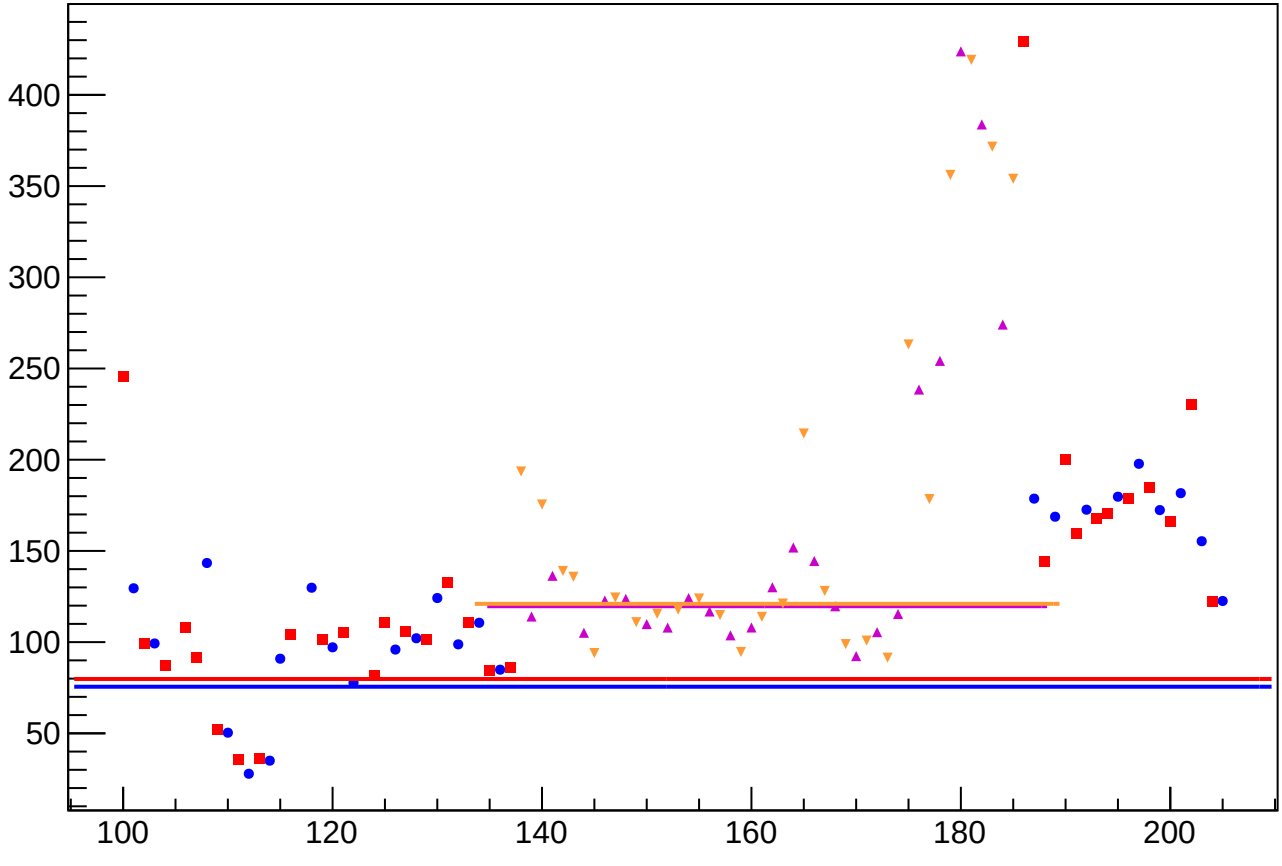
Right: 0.012+/-0.017 χ^2/NDF: 67.7/54

In: 0.034+/-0.019 χ^2/NDF:55.7/47

Out: -0.021+/-0.019 χ^2/NDF:54.3/54

All: 0.006+/-0.014 χ^2/NDF: 114.2/102

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 75.555+/-0.018 χ^2/NDF: 8061125.8/24

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 79.797+/-0.017 χ^2/NDF: 7862844.1/29

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

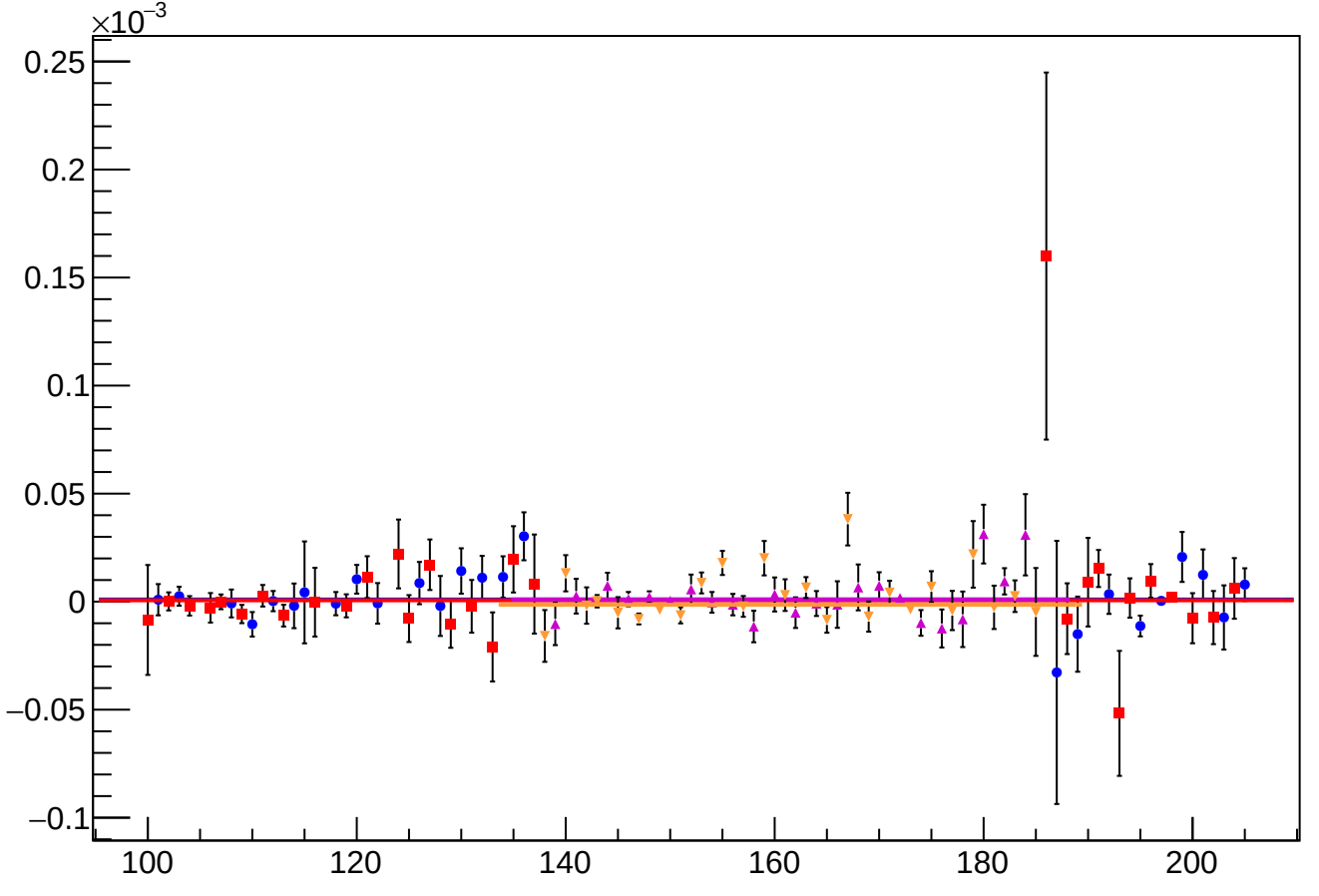
Left: 120.346+/-0.015 χ^2/NDF: 6935453.1/47

Right: 77.707+/-0.012 χ^2/NDF: 15953364.2/54

In: 93.416+/-0.014 χ^2/NDF:13436308.8/47

Out: 96.398+/-0.013 χ^2/NDF:14225218.6/54

All: 94.927+/-0.010 χ^2/NDF: 27685880.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/29

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

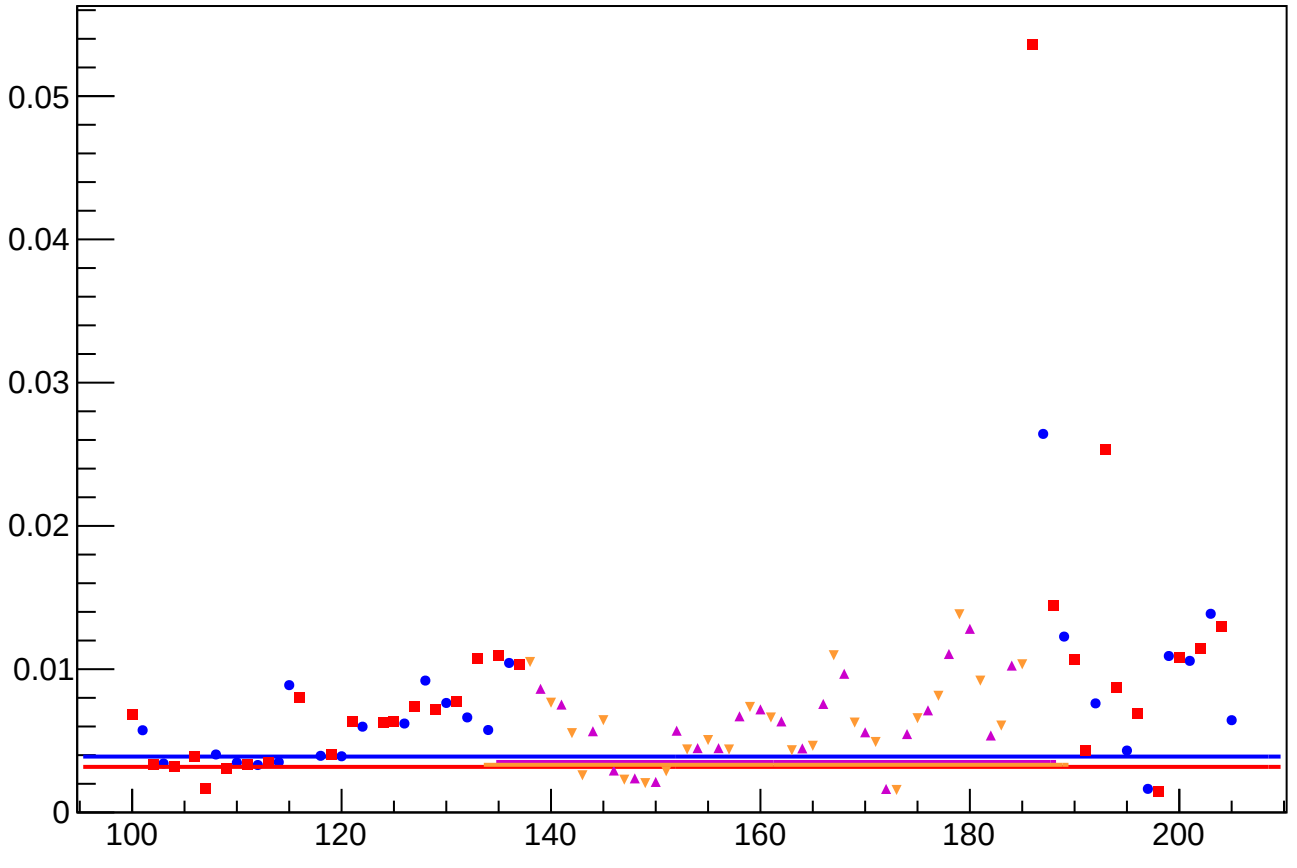
Left: -0.000+/-0.000 χ^2/NDF: 88.2/47

Right: 0.000+/-0.000 χ^2/NDF: 59.9/54

In: 0.000+/-0.000 χ^2/NDF:55.2/47

Out: -0.000+/-0.000 χ^2/NDF:91.7/54

All: 0.000+/-0.000 χ^2/NDF: 149.2/102



Right In: 0.004+/-0.000 χ^2/NDF: 7703321.1/24

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12322047.2/29

Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

Left: 0.003+/-0.000 χ^2/NDF: 19955580.6/47

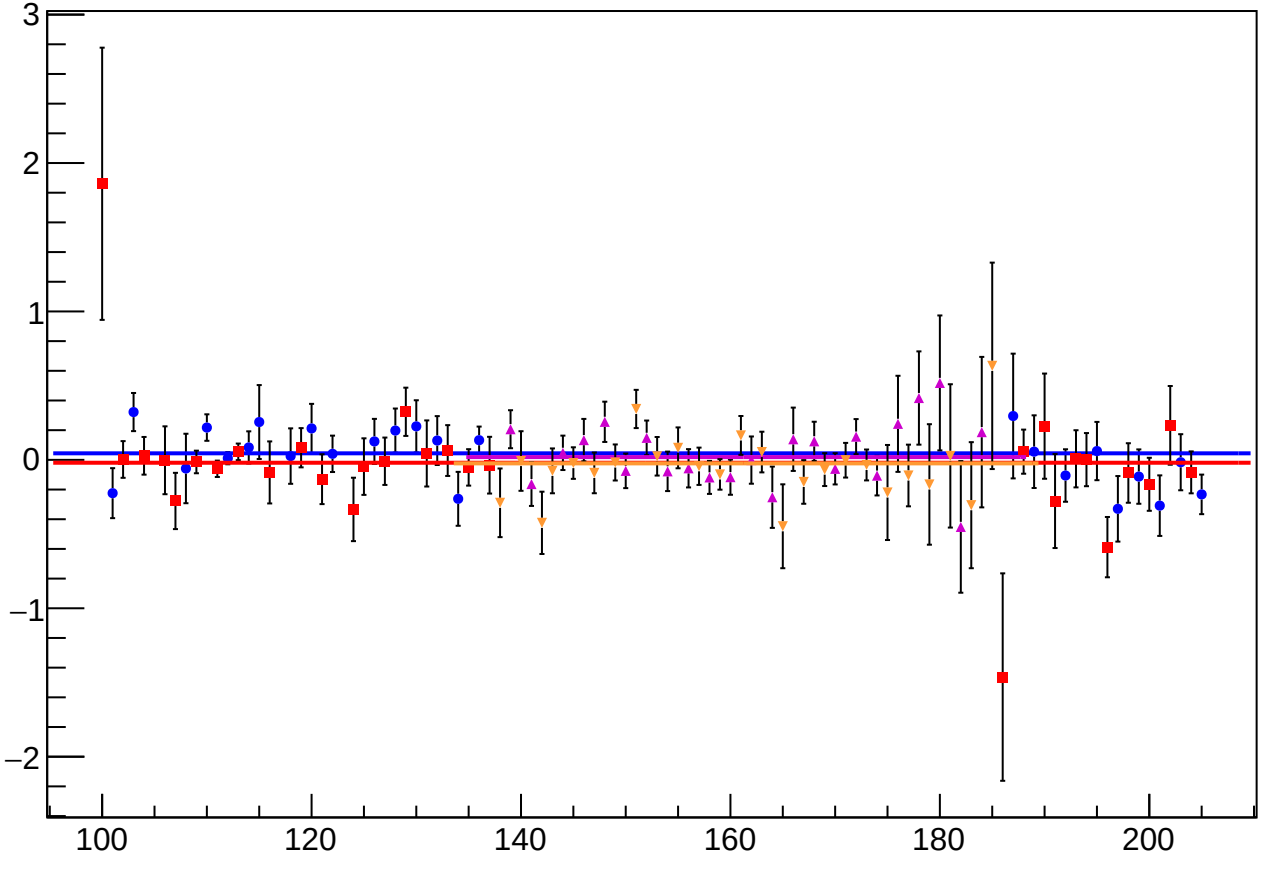
Right: 0.003+/-0.000 χ^2/NDF: 20396448.8/54

In: 0.004+/-0.000 χ^2/NDF:17239000.7/47

Out: 0.003+/-0.000 χ^2/NDF:22829674.5/54

All: 0.003+/-0.000 χ^2/NDF: 40359077.1/102

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

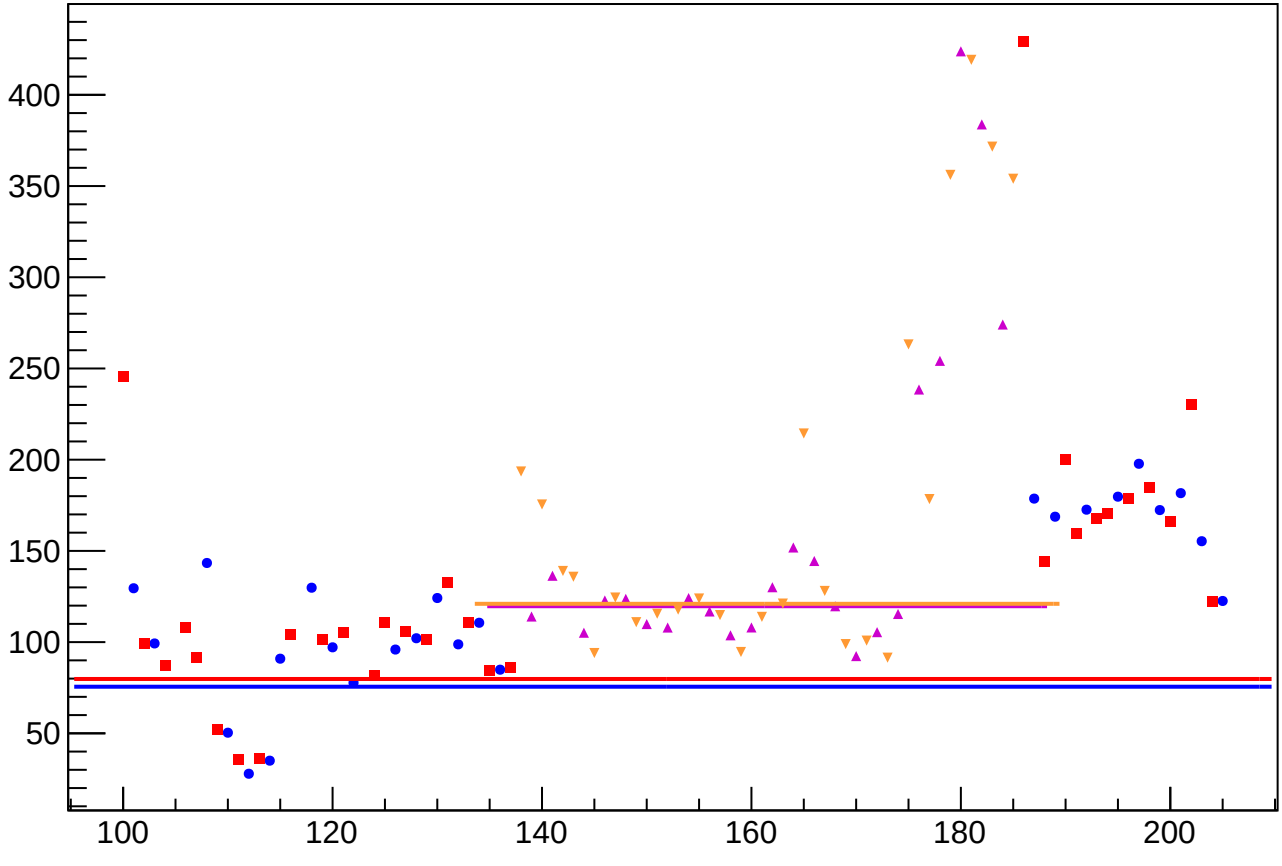
Right: 0.012+/-0.017 χ^2/NDF: 67.7/54

In: 0.034+/-0.019 χ^2/NDF:55.7/47

Out: -0.021+/-0.019 χ^2/NDF:54.3/54

All: 0.006+/-0.014 χ^2/NDF: 114.2/102

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 75.553+/-0.018 χ^2/NDF: 8061523.3/24

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 79.795+/-0.017 χ^2/NDF: 7863293.5/29

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

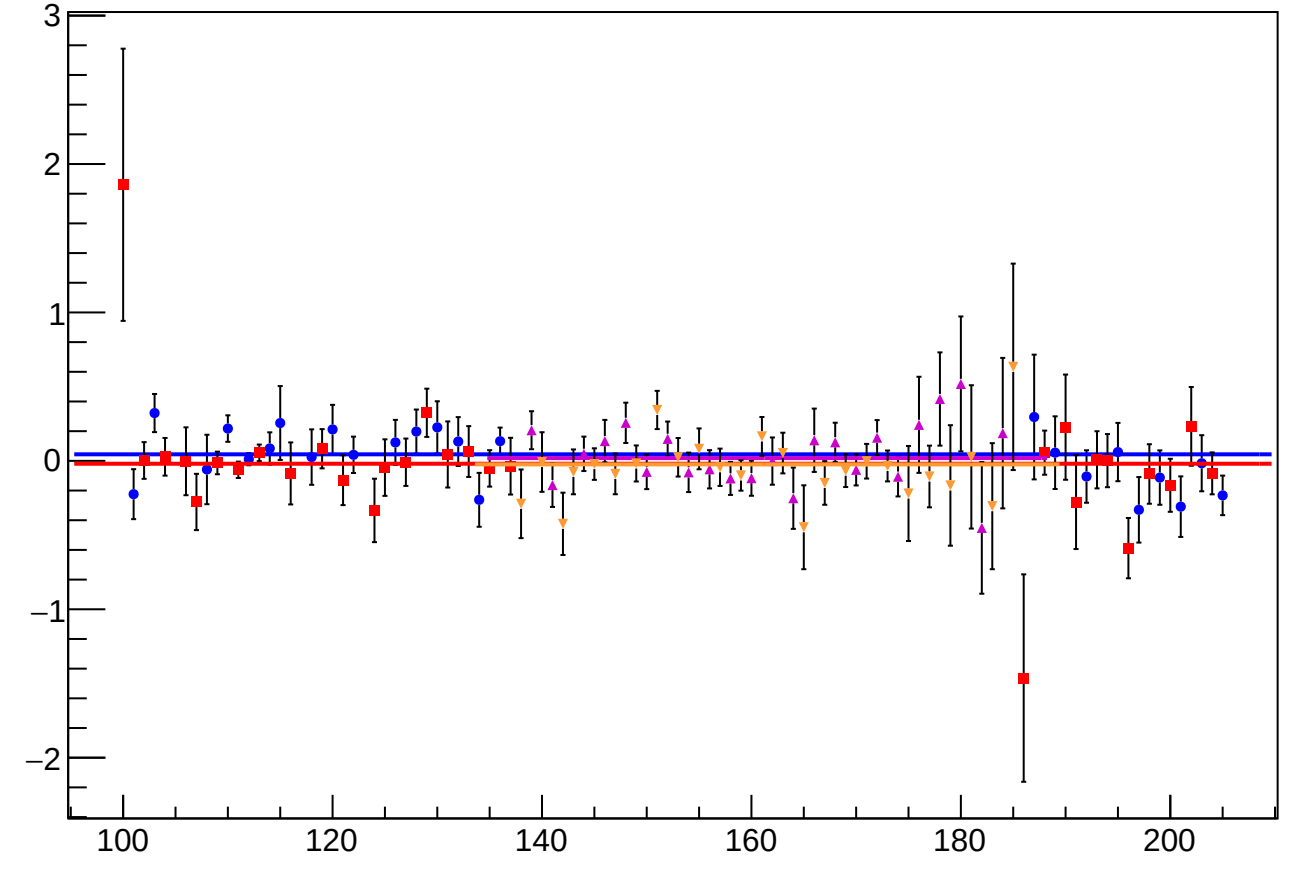
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 77.705+/-0.012 χ^2/NDF: 15954216.7/54

In: 93.415+/-0.014 χ^2/NDF:13437037.3/47

Out: 96.397+/-0.013 χ^2/NDF:14225944.5/54

All: 94.925+/-0.010 χ^2/NDF: 27687340.9/102



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.019+/-0.025 χ^2/NDF: 32.1/29

Left In: 0.019+/-0.030 χ^2/NDF:23.0/22

Left: -0.003+/-0.021 χ^2/NDF: 46.2/47

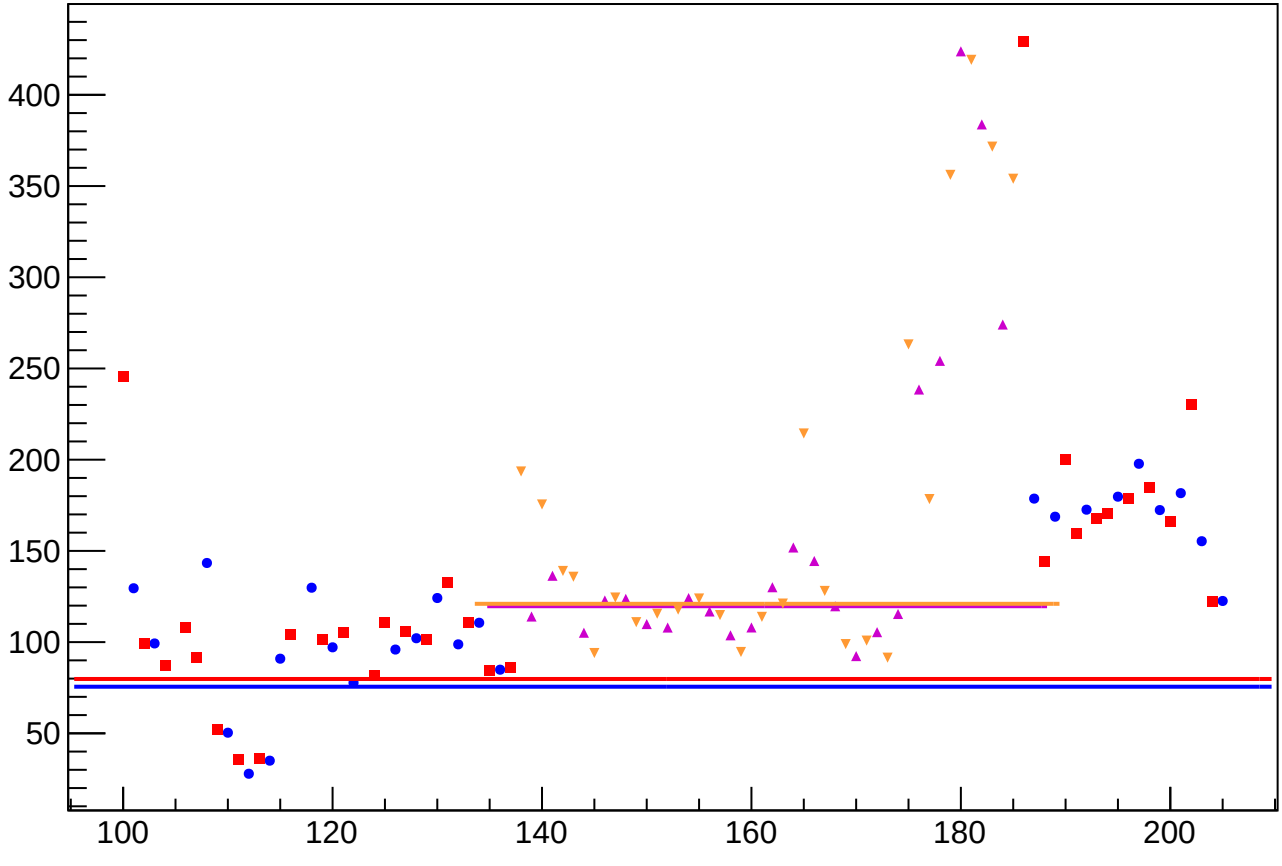
Right: 0.012+/-0.017 χ^2/NDF: 67.7/54

In: 0.034+/-0.019 χ^2/NDF:55.7/47

Out: -0.021+/-0.019 χ^2/NDF:54.3/54

All: 0.006+/-0.014 χ^2/NDF: 114.2/102

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 75.553+/-0.018 χ^2/NDF: 8061523.3/24

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 79.795+/-0.017 χ^2/NDF: 7863293.5/29

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

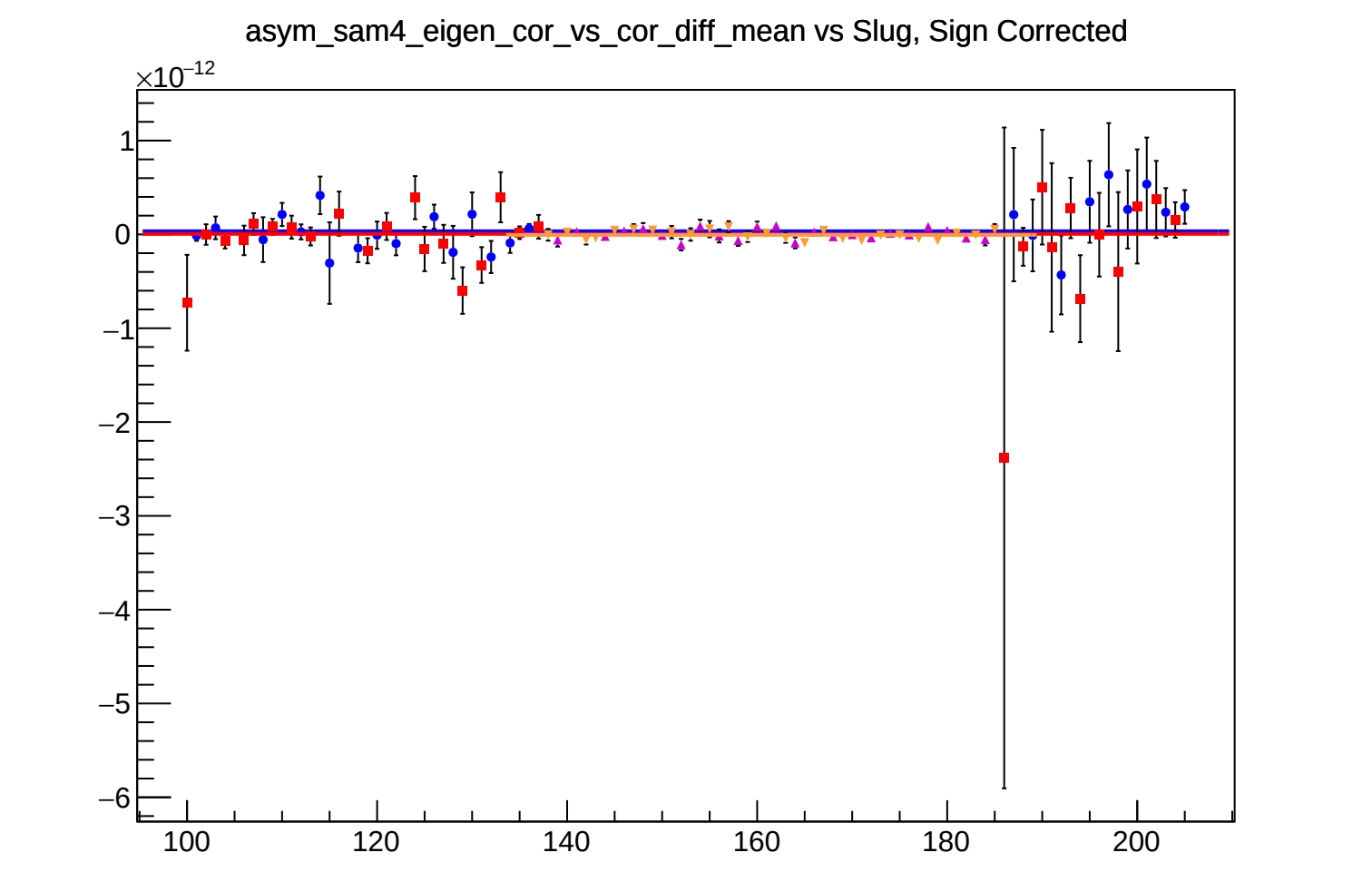
Left: 120.347+/-0.015 χ^2/NDF: 6935335.2/47

Right: 77.705+/-0.012 χ^2/NDF: 15954216.7/54

In: 93.415+/-0.014 χ^2/NDF:13437037.3/47

Out: 96.397+/-0.013 χ^2/NDF:14225944.5/54

All: 94.925+/-0.010 χ^2/NDF: 27687340.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.6/29

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

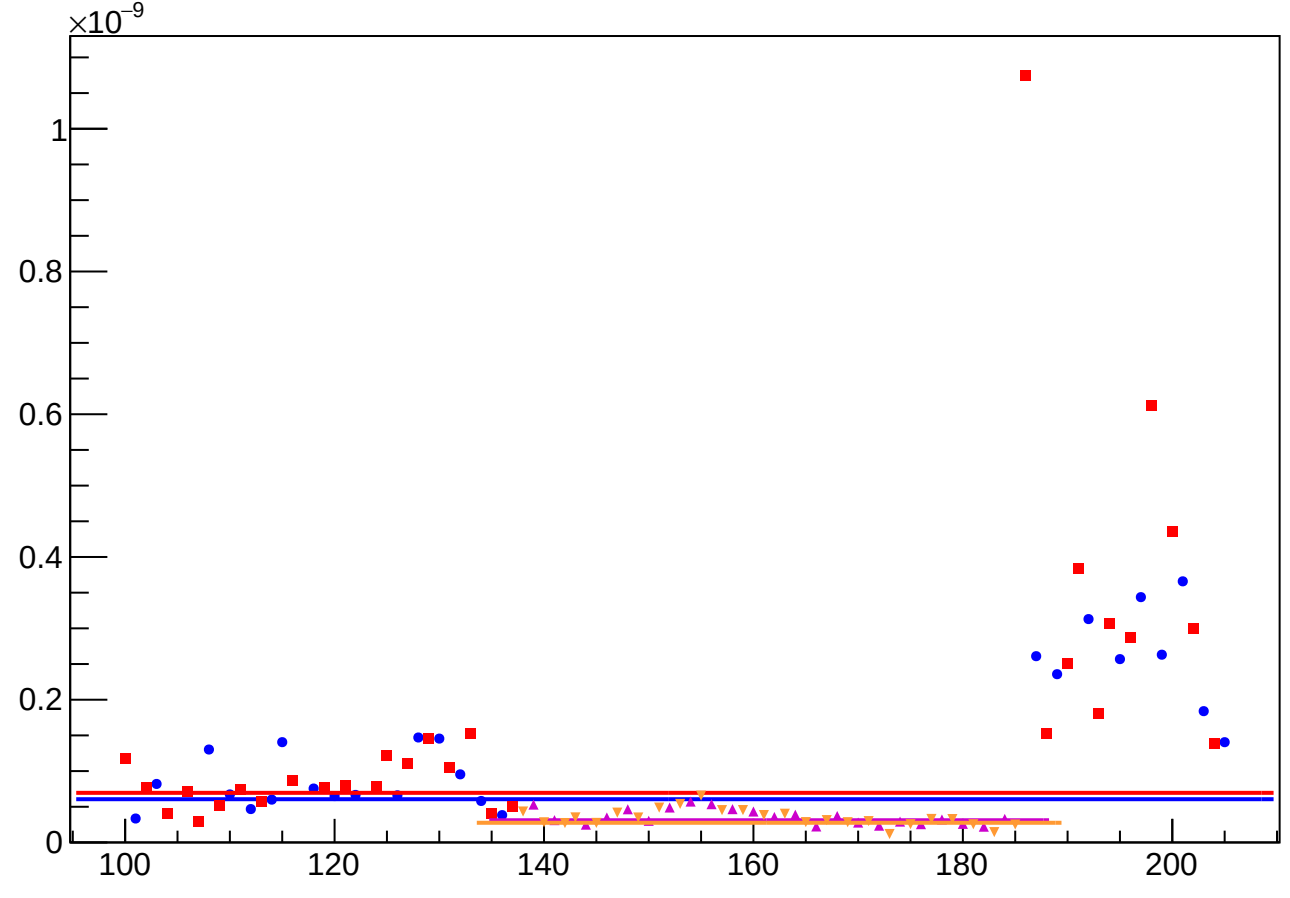
Left: -0.000+/-0.000 χ^2/NDF: 50.3/47

Right: 0.000+/-0.000 χ^2/NDF: 54.2/54

In: 0.000+/-0.000 χ^2/NDF:53.0/47

Out: -0.000+/-0.000 χ^2/NDF:52.0/54

All: 0.000+/-0.000 χ^2/NDF: 105.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 6155958.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6350995.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5803061.5/47

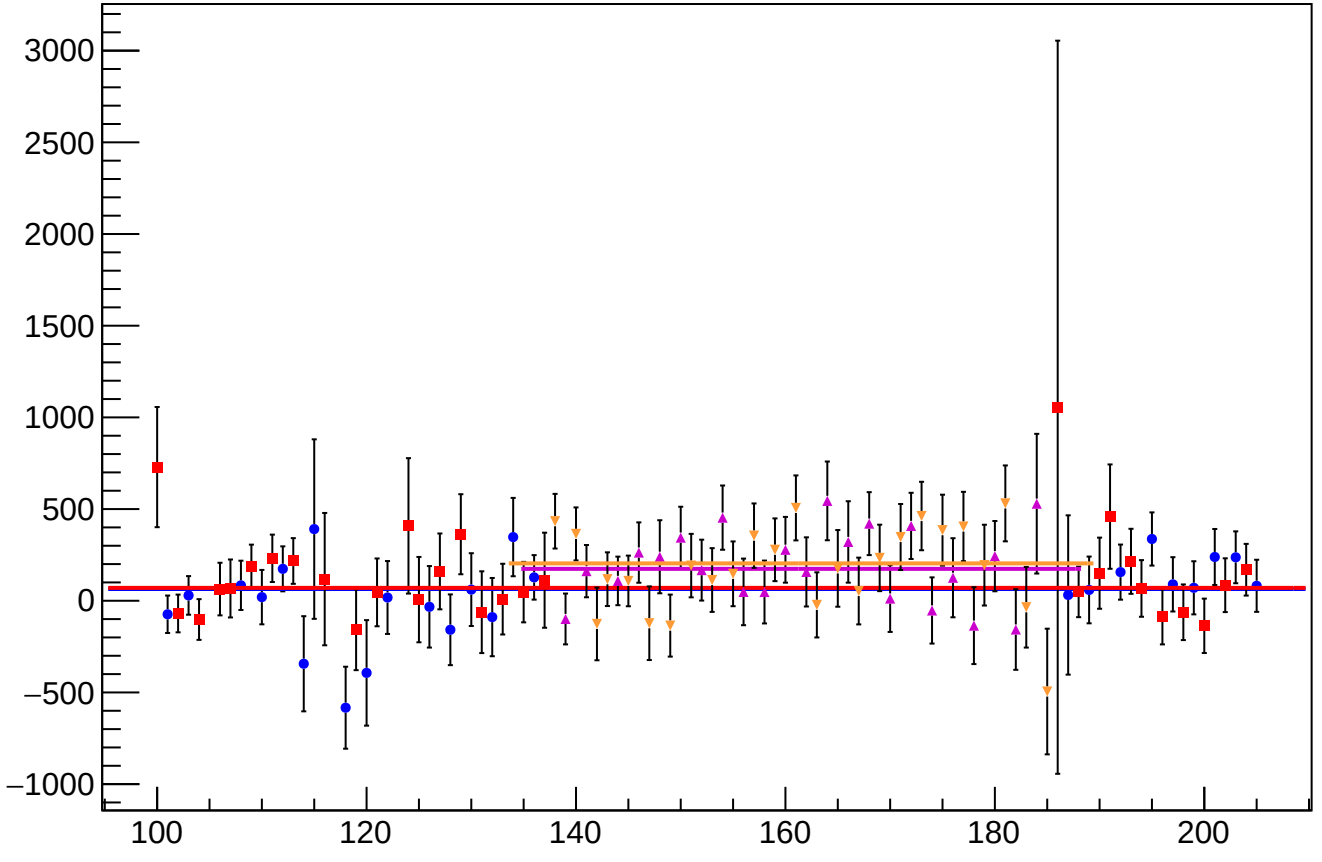
Right: 0.000+/-0.000 χ^2/NDF: 12618491.0/54

In: 0.000+/-0.000 χ^2/NDF:10474630.7/47

Out: 0.000+/-0.000 χ^2/NDF:14218263.4/54

All: 0.000+/-0.000 χ^2/NDF: 24881580.9/102

reg_asym_sam5_mean vs Slug, Sign Corrected



Right In: 64.093+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: 70.275+/-30.270 χ^2/NDF: 24.0/29

Left In: 173.974+/-37.405 χ^2/NDF:24.5/22

Left: 189.488+/-25.893 χ^2/NDF: 57.7/47

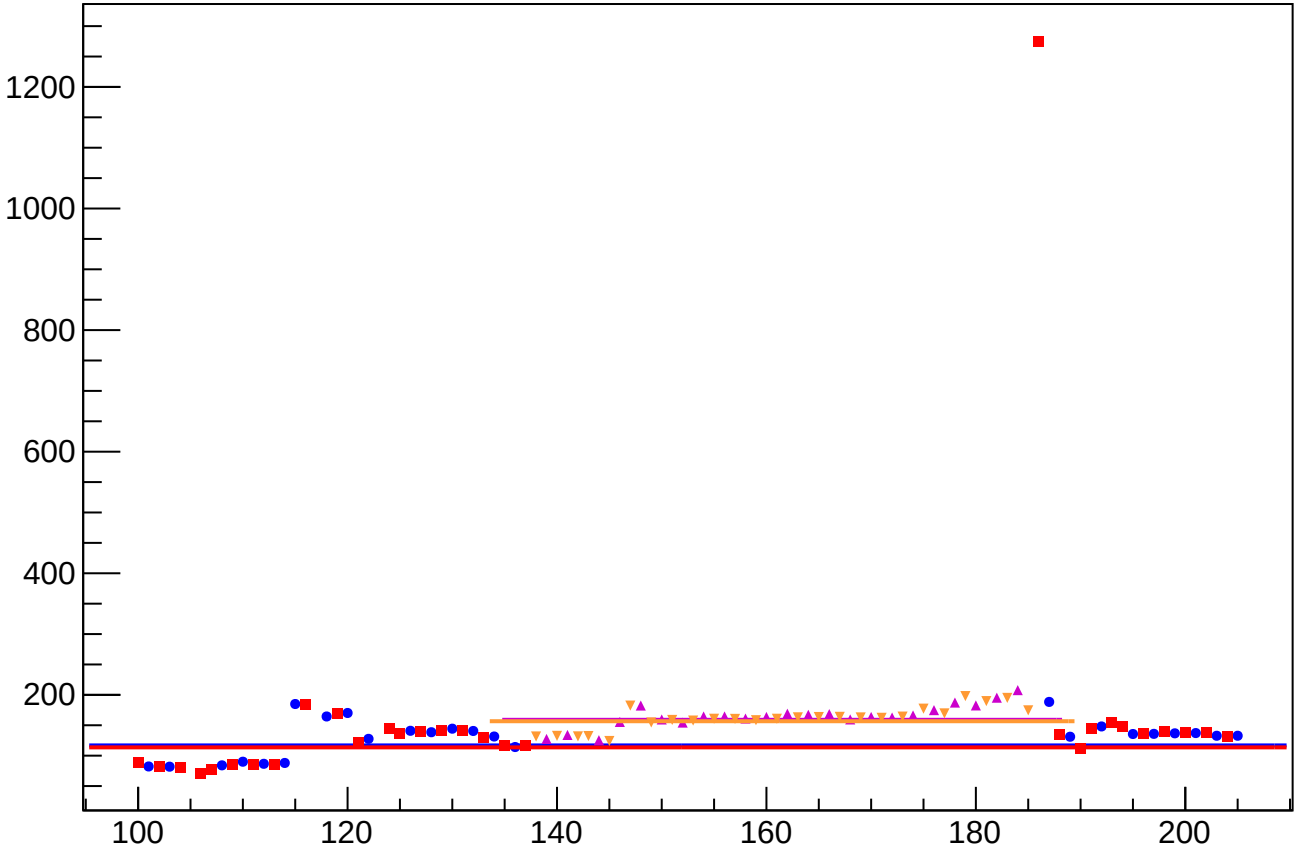
Right: 67.355+/-21.988 χ^2/NDF: 51.6/54

In: 110.513+/-24.312 χ^2/NDF:57.1/47

Out: 125.783+/-23.136 χ^2/NDF:65.0/54

All: 118.527+/-16.760 χ^2/NDF: 122.3/102

reg_asym_sam5_rms vs Slug, Sign Corrected



Right In: 116.837+/-0.023 χ^2/NDF: 1450386.3/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 113.624+/-0.021 χ^2/NDF: 2523488.8/29

Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

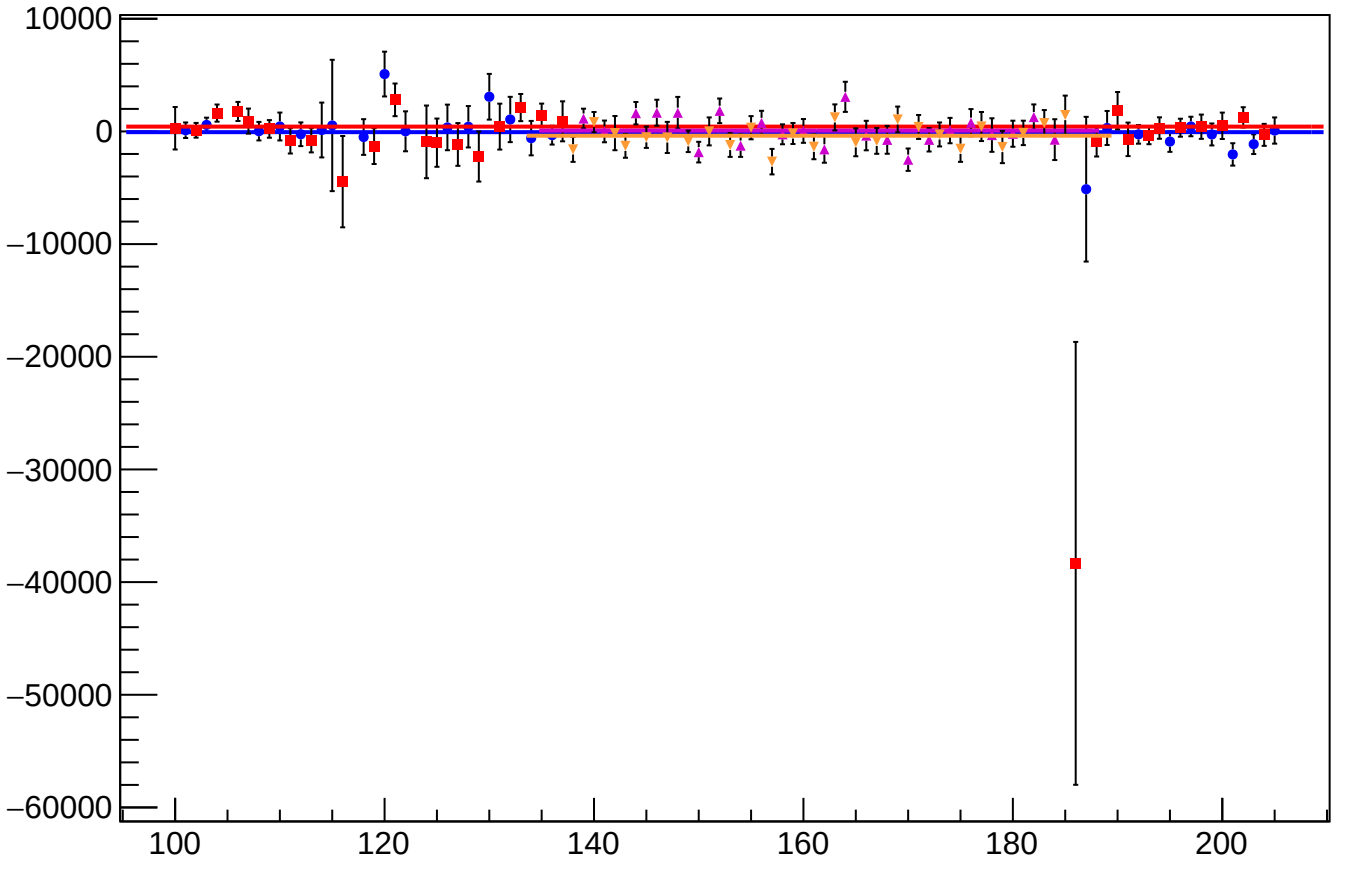
Left: 157.746+/-0.018 χ^2/NDF: 1097721.4/47

Right: 115.142+/-0.016 χ^2/NDF: 3984521.6/54

In: 134.629+/-0.017 χ^2/NDF:3425928.6/47

Out: 131.511+/-0.016 χ^2/NDF:4785221.3/54

All: 132.993+/-0.012 χ^2/NDF: 8228415.5/102



Right In: -64.517+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: 427.776+/-207.254 χ^2/NDF: 27.7/29

Left In: 74.440+/-229.788 χ^2/NDF:33.1/22

Left: -158.368+/-160.602 χ^2/NDF: 53.8/47

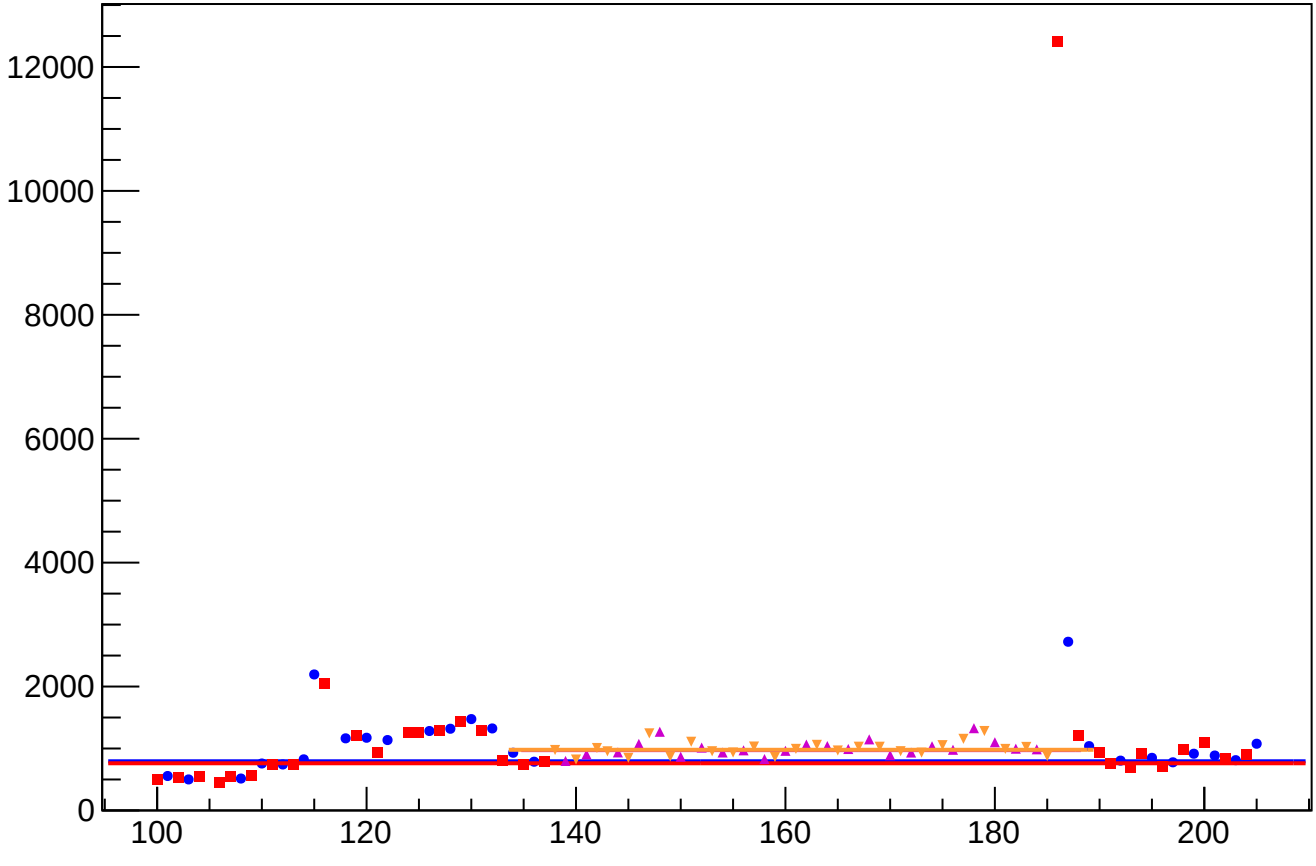
Right: 199.175+/-151.684 χ^2/NDF: 48.9/54

In: 2.752+/-159.880 χ^2/NDF:51.8/47

Out: 55.881+/-152.300 χ^2/NDF:53.5/54

All: 30.606+/-110.275 χ^2/NDF: 105.3/102

asym_sam5_reg_correction_rms vs Slug, Sign Corrected



Right In: 793.720+/-0.157 χ^2/NDF: 2331173.4/24

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 761.596+/-0.147 χ^2/NDF: 3323503.4/29

Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.0/47

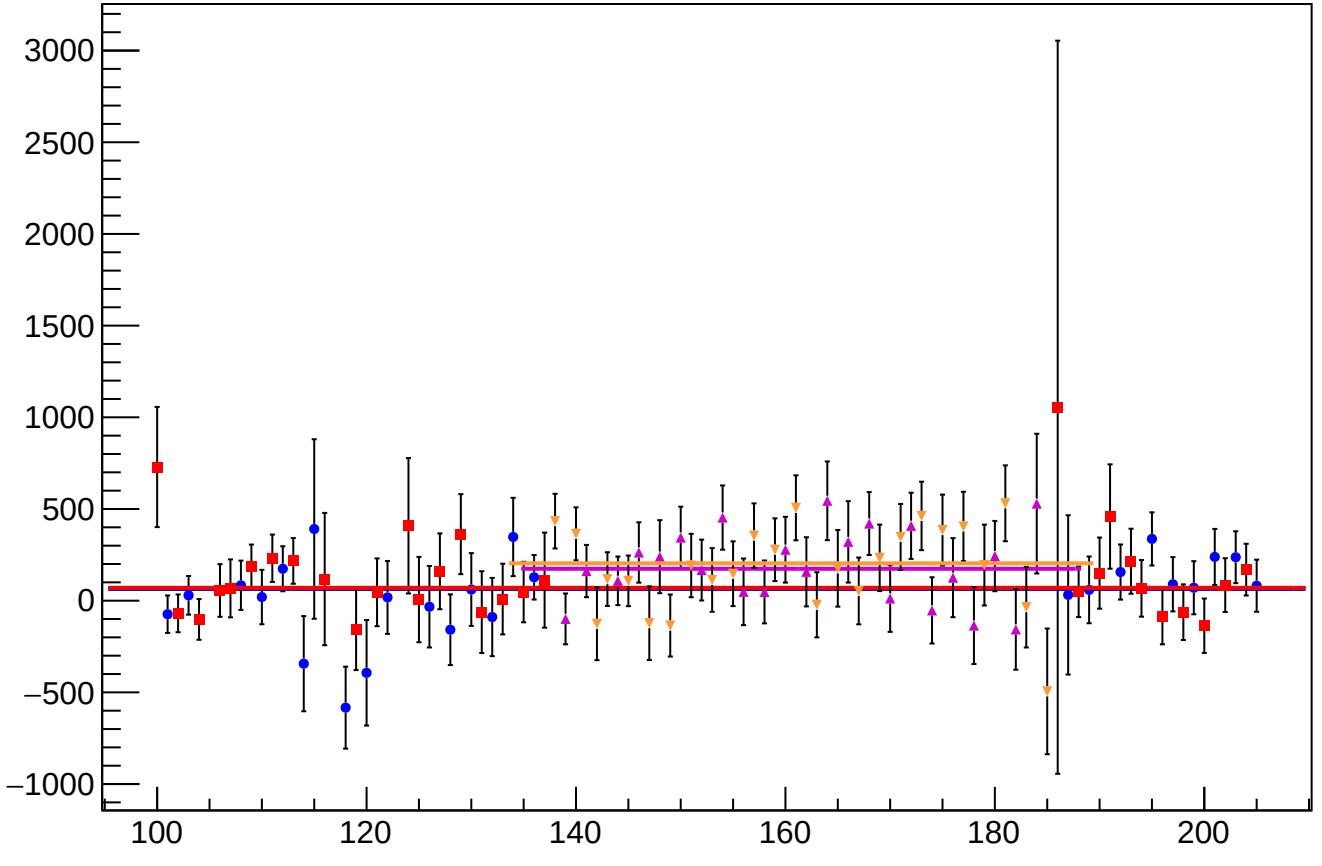
Right: 776.513+/-0.107 χ^2/NDF: 5676987.9/54

In: 880.905+/-0.113 χ^2/NDF:3463595.3/47

Out: 861.653+/-0.108 χ^2/NDF:4766654.5/54

All: 870.812+/-0.078 χ^2/NDF: 8245453.3/102

cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 64.087+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 69.938+/-30.272 χ^2/NDF: 24.0/29

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

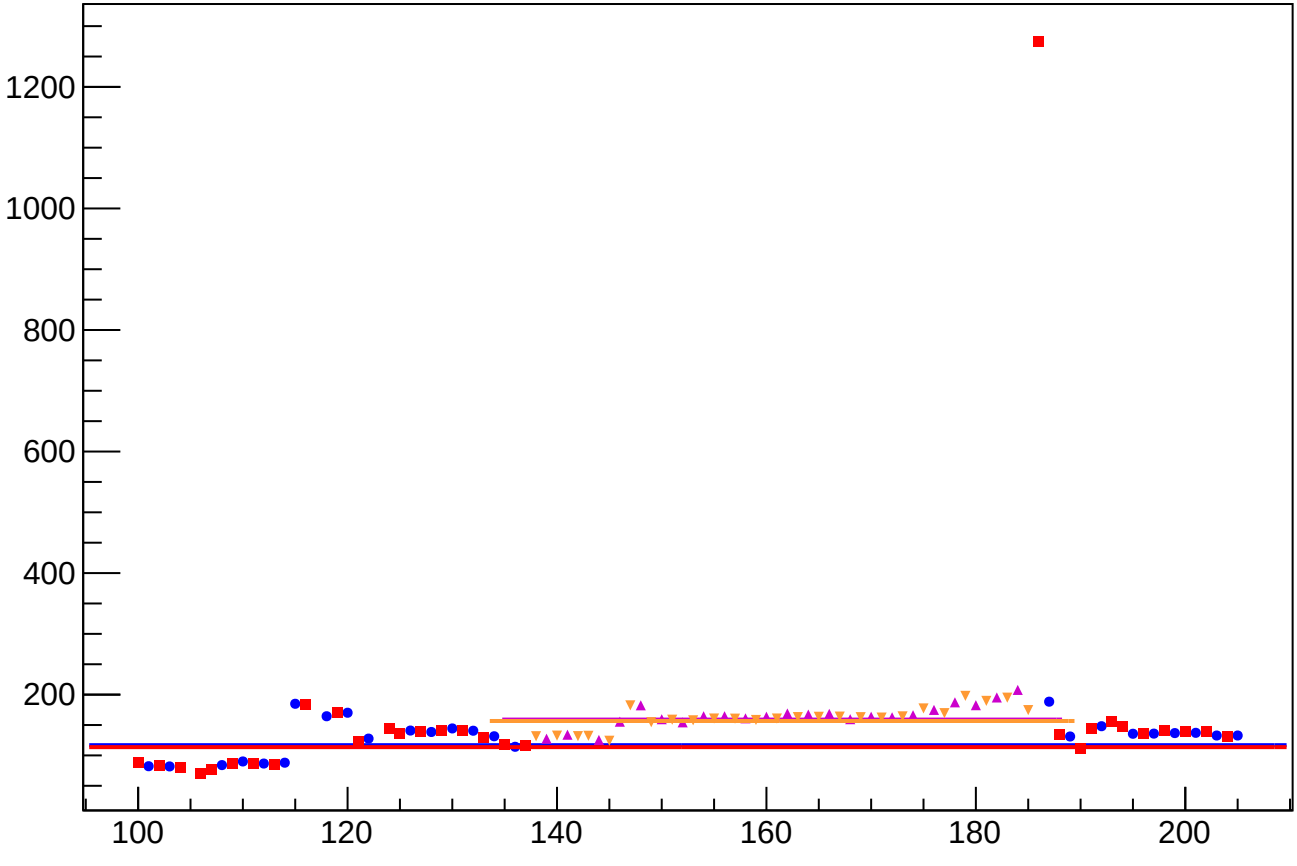
Right: 67.174+/-21.988 χ^2/NDF: 51.6/54

In: 110.512+/-24.312 χ^2/NDF:57.1/47

Out: 125.592+/-23.136 χ^2/NDF:65.0/54

All: 118.425+/-16.760 χ^2/NDF: 122.3/102

cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 116.837+/-0.023 χ^2/NDF: 1450385.1/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 113.610+/-0.021 χ^2/NDF: 2526575.4/29

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

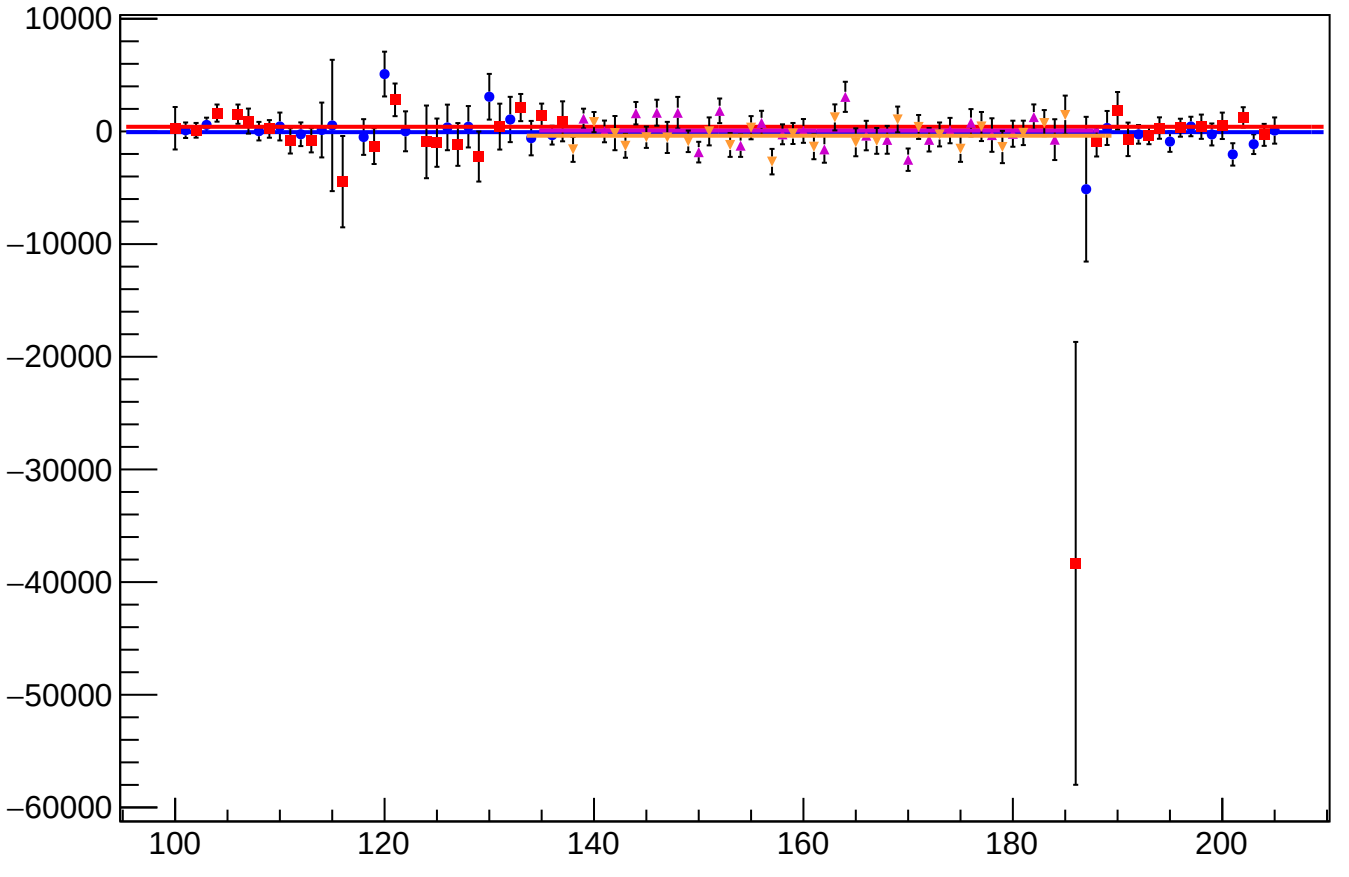
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 115.135+/-0.016 χ^2/NDF: 3987699.3/54

In: 134.629+/-0.017 χ^2/NDF:3425926.6/47

Out: 131.503+/-0.016 χ^2/NDF:4789335.1/54

All: 132.989+/-0.012 χ^2/NDF: 8232607.0/102



Right In: -64.518+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 412.444+/-207.335 χ^2/NDF: 26.9/29

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

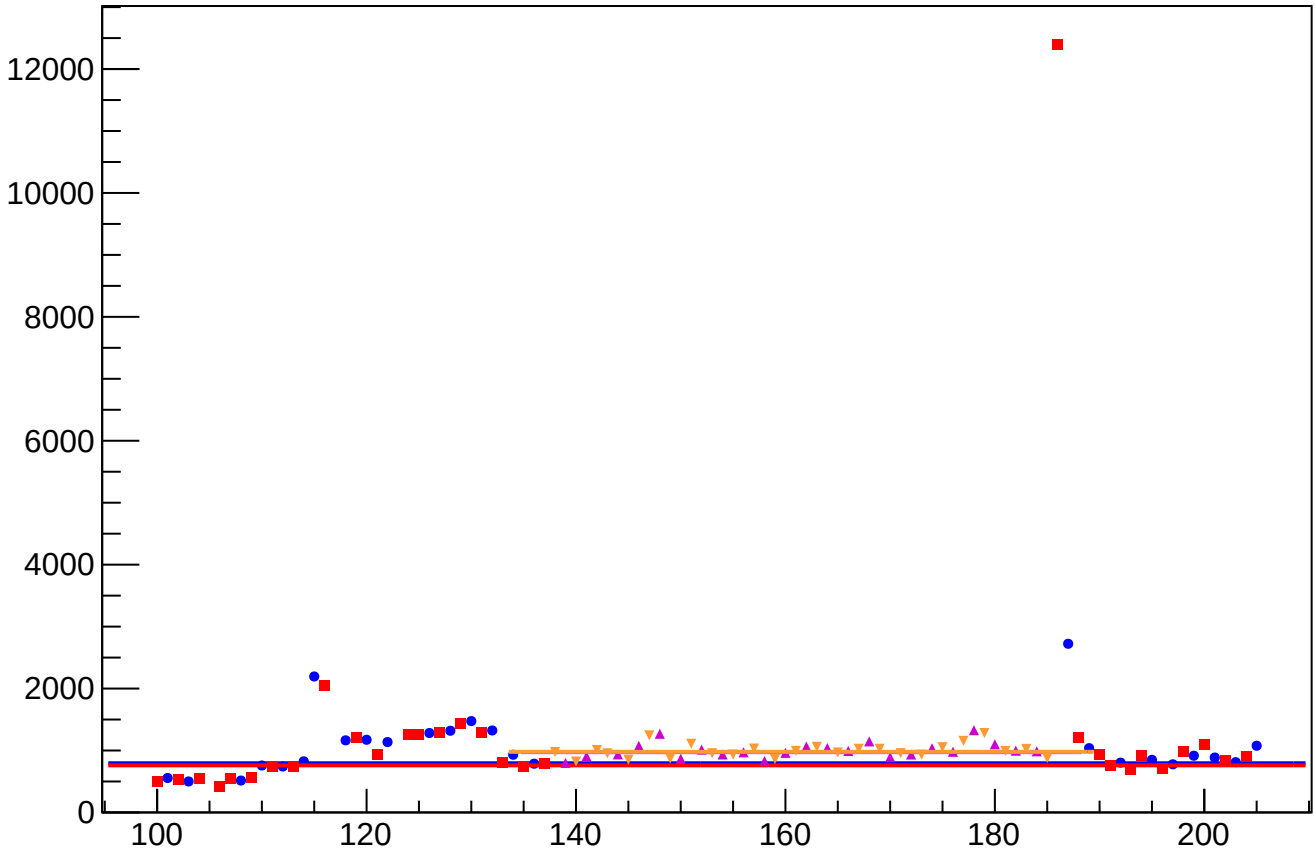
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 190.870+/-151.716 χ^2/NDF: 47.9/54

In: 2.751+/-159.880 χ^2/NDF:51.8/47

Out: 47.454+/-152.332 χ^2/NDF:52.4/54

All: 26.183+/-110.287 χ^2/NDF: 104.2/102



Right In: 793.719+/-0.157 χ^2/NDF: 2331177.2/24

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 760.400+/-0.147 χ^2/NDF: 3363393.7/29

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

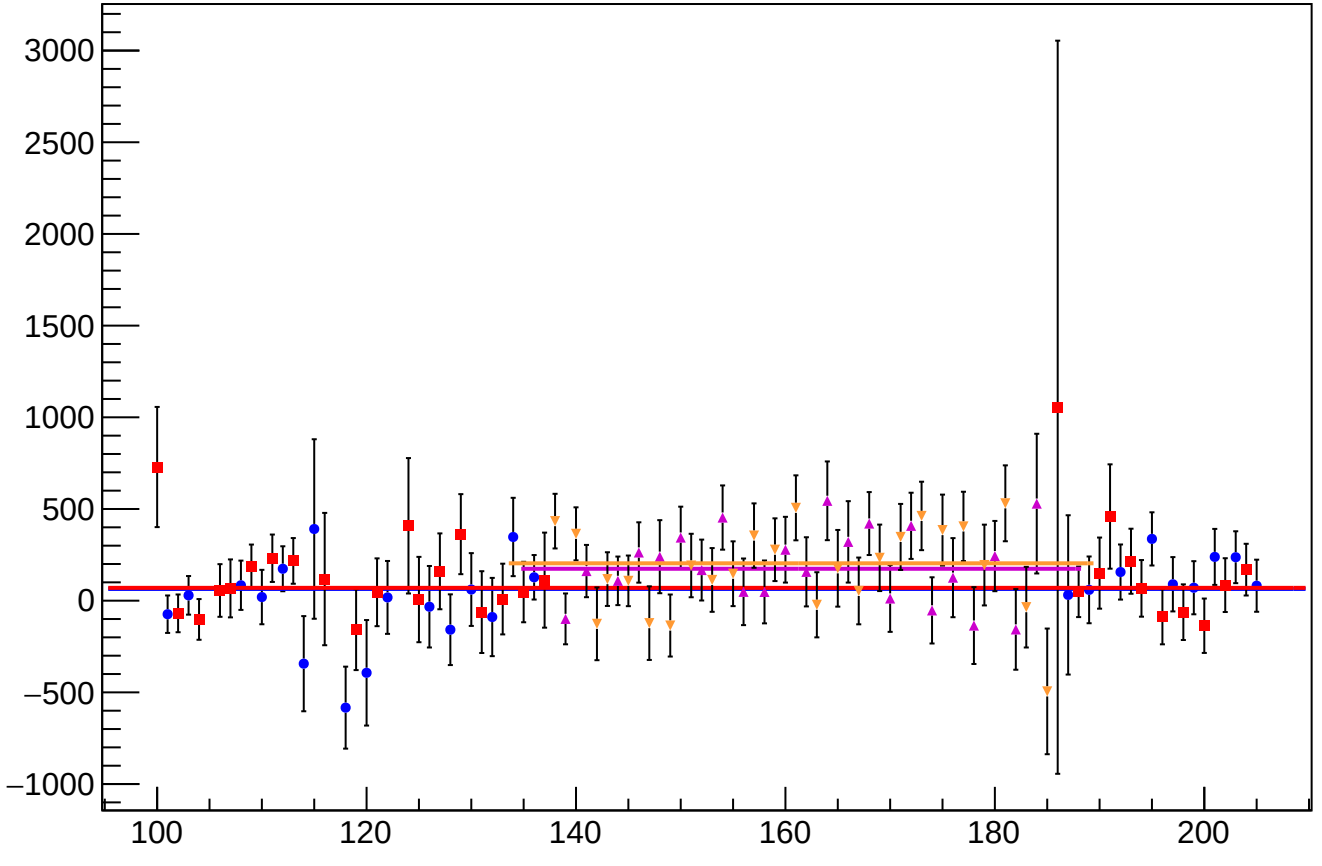
Right: 775.879+/-0.107 χ^2/NDF: 5718565.7/54

In: 880.905+/-0.113 χ^2/NDF:3463602.8/47

Out: 861.050+/-0.108 χ^2/NDF:4817355.1/54

All: 870.498+/-0.078 χ^2/NDF: 8297126.1/102

eigen_cor_asym_sam5_mean vs Slug, Sign Corrected



Right In: 64.087+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: 69.938+/-30.272 χ^2/NDF: 24.0/29

Left In: 173.978+/-37.405 χ^2/NDF:24.5/22

Left: 189.493+/-25.893 χ^2/NDF: 57.7/47

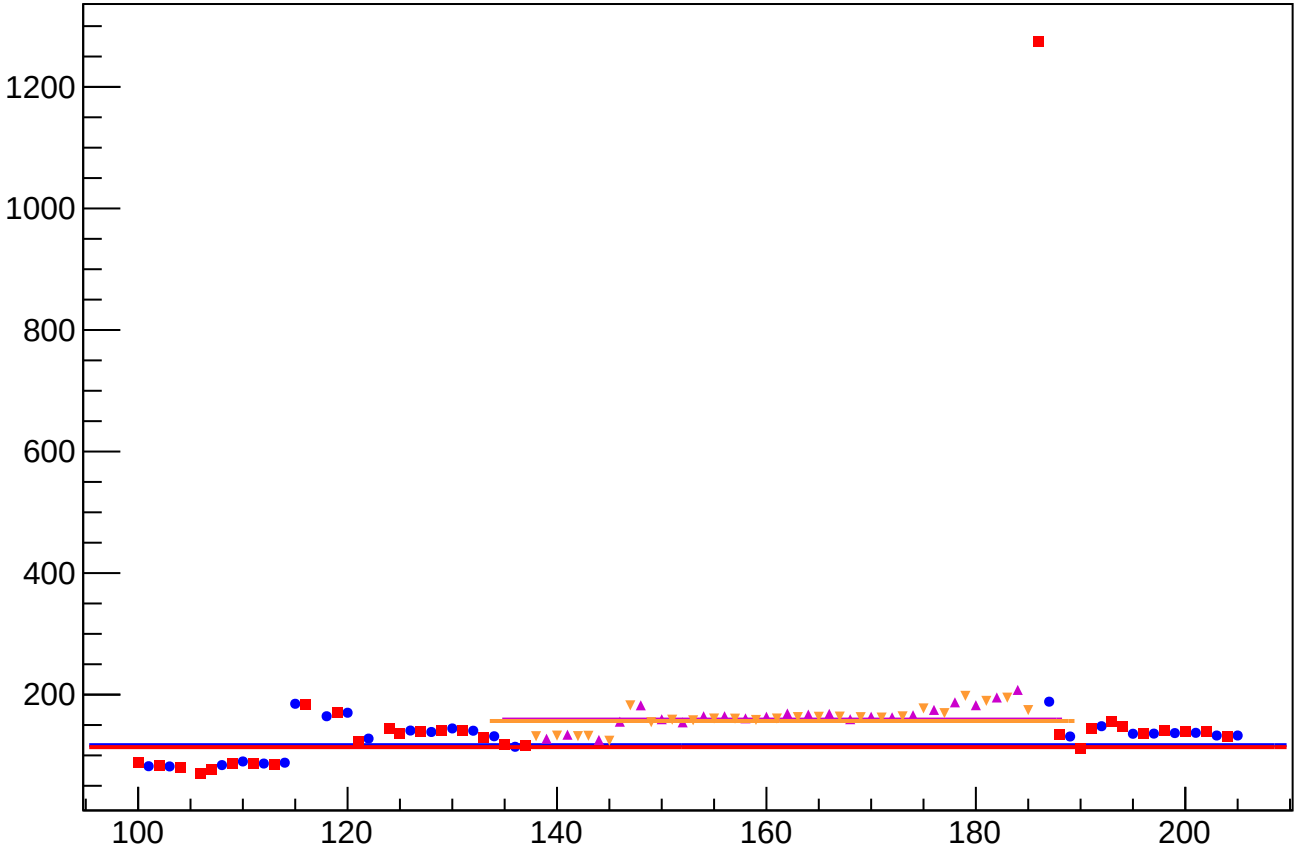
Right: 67.174+/-21.988 χ^2/NDF: 51.6/54

In: 110.512+/-24.312 χ^2/NDF:57.1/47

Out: 125.592+/-23.136 χ^2/NDF:65.0/54

All: 118.425+/-16.760 χ^2/NDF: 122.3/102

eigen_cor_asym_sam5_rms vs Slug, Sign Corrected



Right In: 116.837+/-0.023 χ^2/NDF: 1450385.1/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 113.610+/-0.021 χ^2/NDF: 2526575.4/29

Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

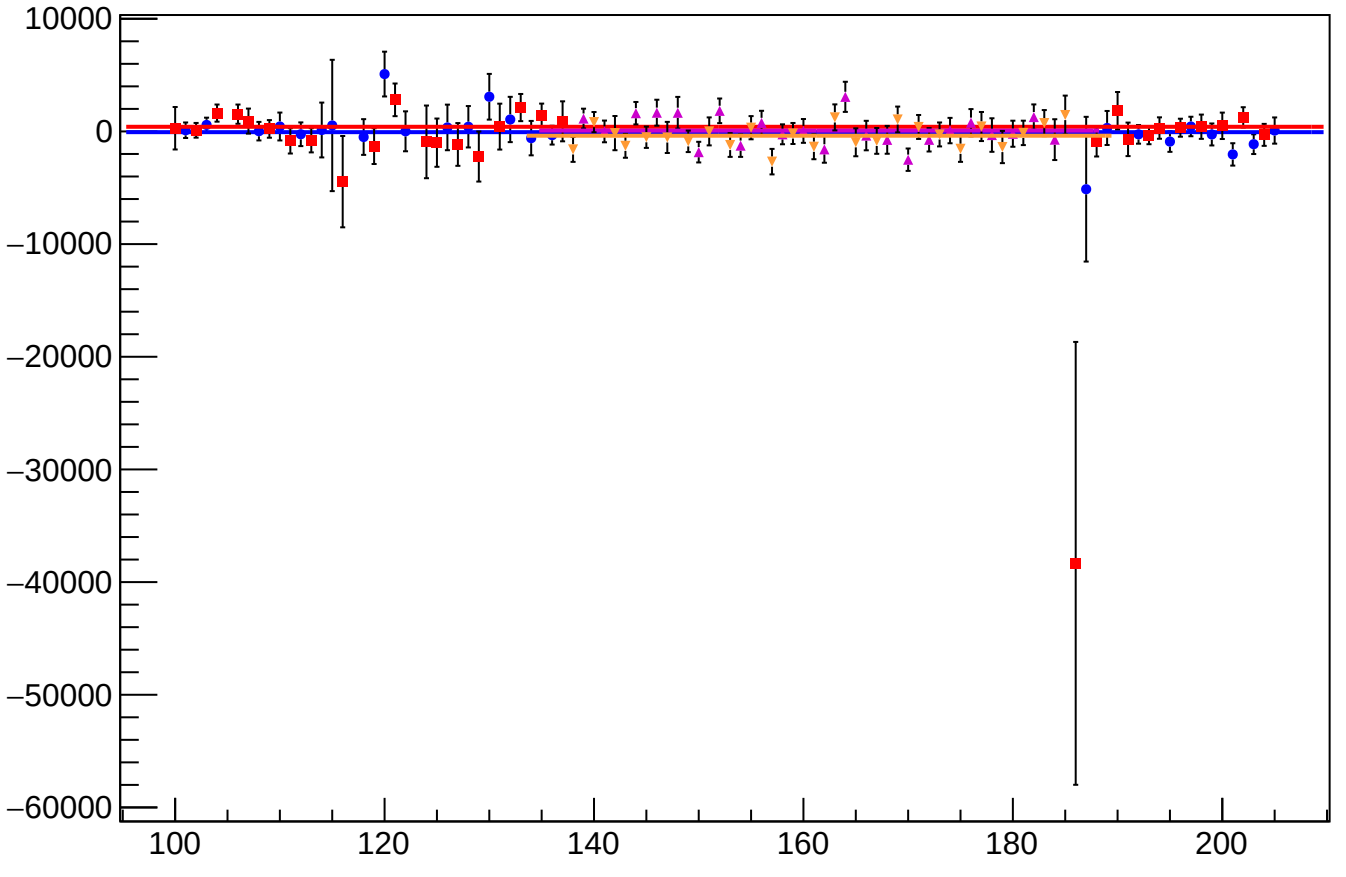
Left: 157.746+/-0.018 χ^2/NDF: 1097721.5/47

Right: 115.135+/-0.016 χ^2/NDF: 3987699.3/54

In: 134.629+/-0.017 χ^2/NDF:3425926.6/47

Out: 131.503+/-0.016 χ^2/NDF:4789335.1/54

All: 132.989+/-0.012 χ^2/NDF: 8232607.0/102



Right In: -64.518+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: 412.444+/-207.335 χ^2/NDF: 26.9/29

Left In: 74.438+/-229.788 χ^2/NDF:33.1/22

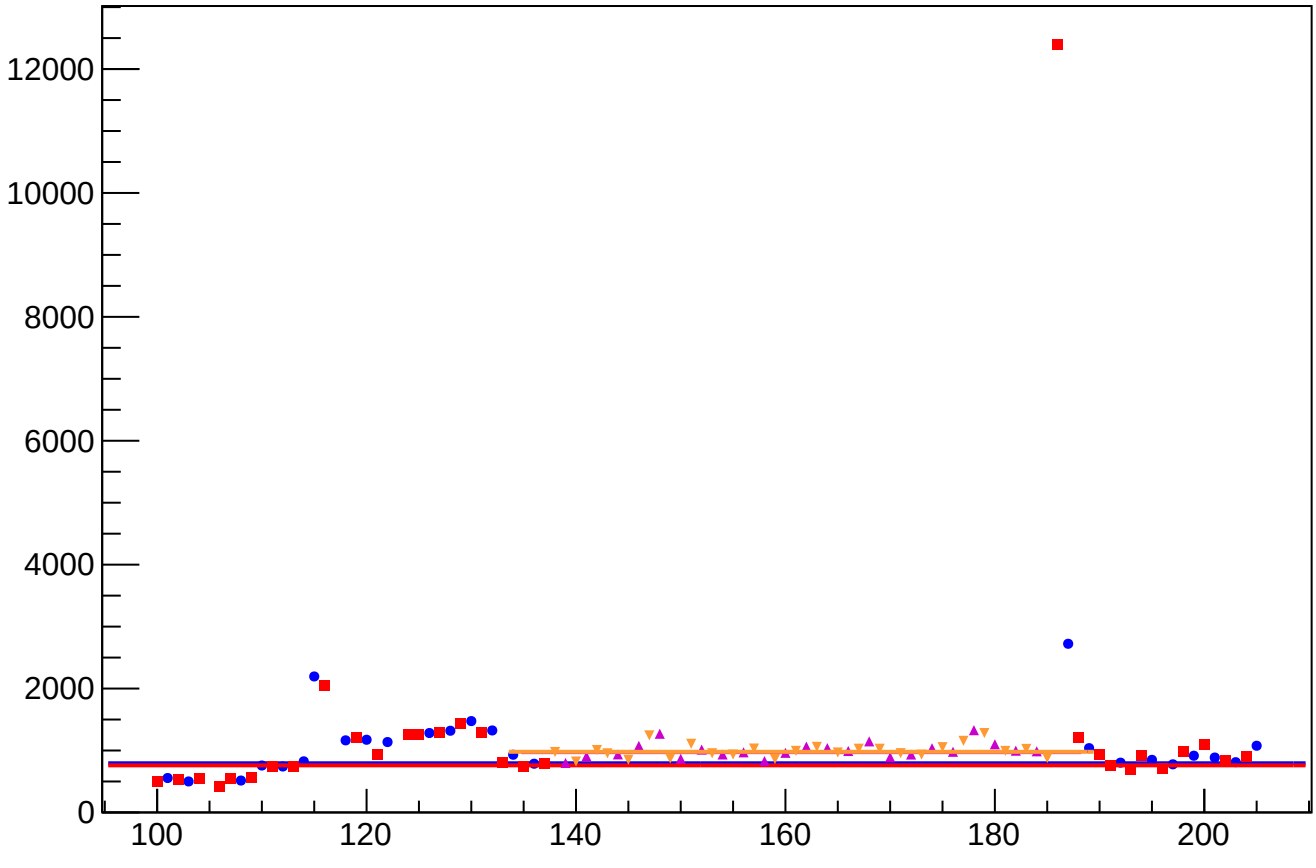
Left: -158.362+/-160.602 χ^2/NDF: 53.8/47

Right: 190.870+/-151.716 χ^2/NDF: 47.9/54

In: 2.751+/-159.880 χ^2/NDF:51.8/47

Out: 47.454+/-152.332 χ^2/NDF:52.4/54

All: 26.183+/-110.287 χ^2/NDF: 104.2/102



Right In: 793.719+/-0.157 χ^2/NDF: 2331177.2/24

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 760.400+/-0.147 χ^2/NDF: 3363393.7/29

Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

Left: 976.526+/-0.114 χ^2/NDF: 928951.7/47

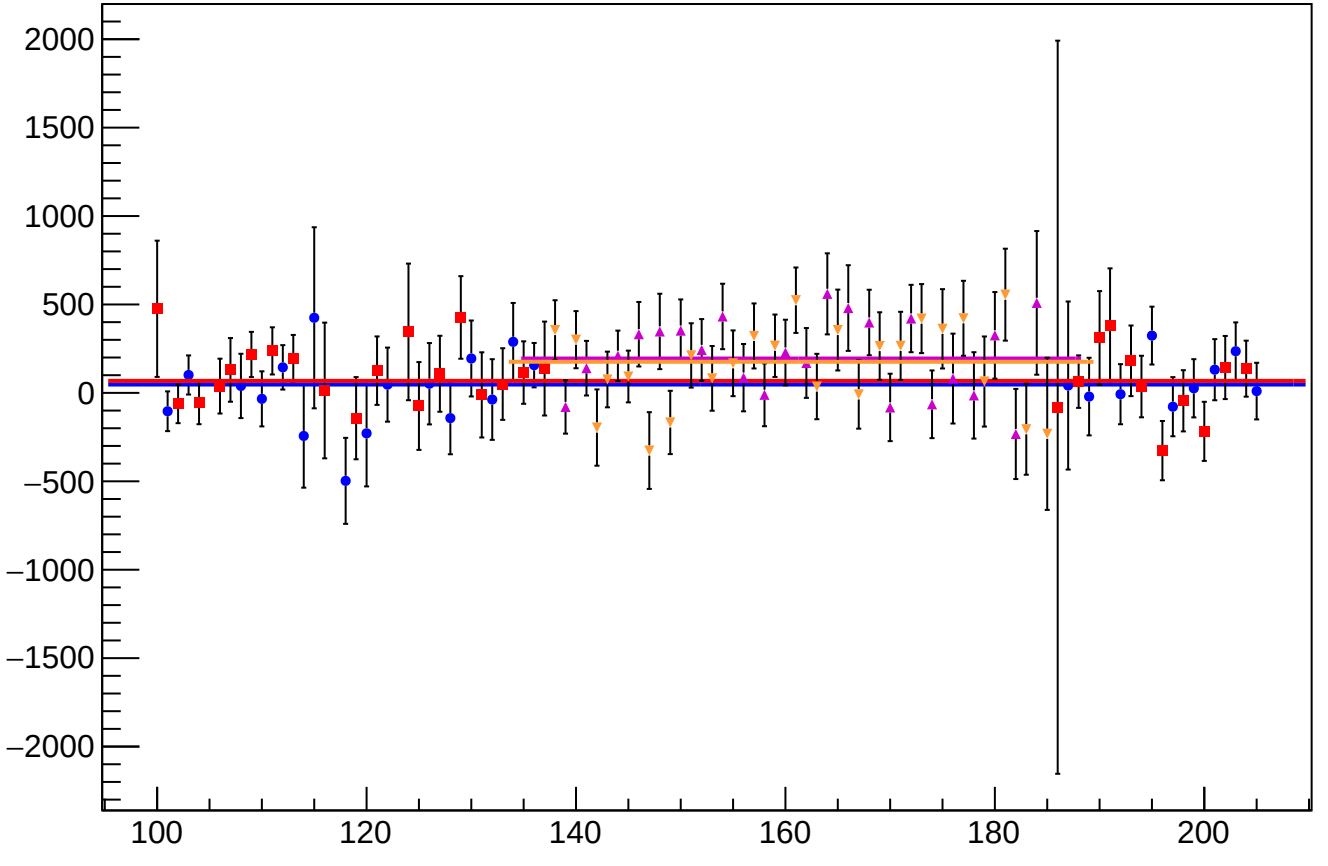
Right: 775.879+/-0.107 χ^2/NDF: 5718565.7/54

In: 880.905+/-0.113 χ^2/NDF:3463602.8/47

Out: 861.050+/-0.108 χ^2/NDF:4817355.1/54

All: 870.498+/-0.078 χ^2/NDF: 8297126.1/102

dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 47.300+/-35.137 χ^2/NDF: 19.0/24

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: 67.914+/-33.108 χ^2/NDF: 23.5/29

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

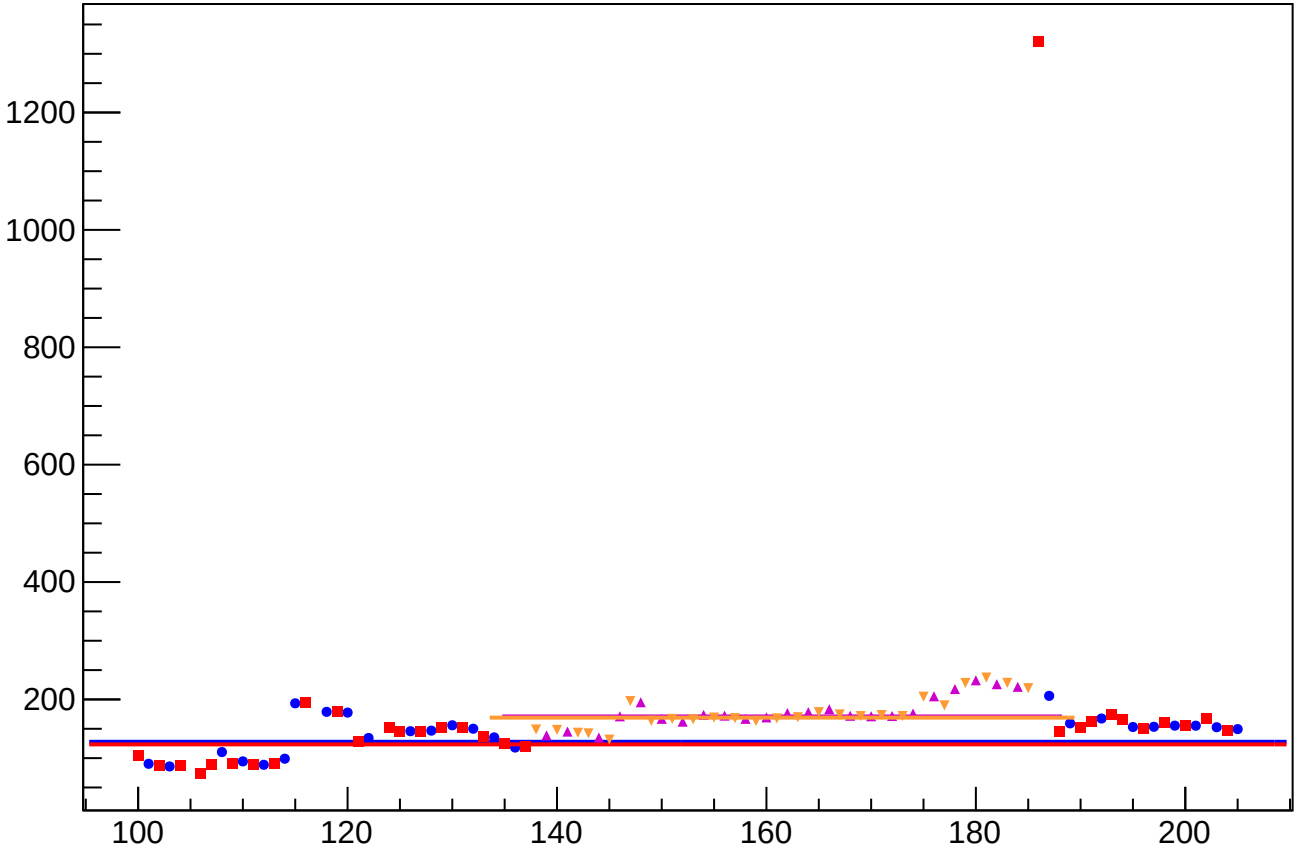
Right: 58.220+/-24.096 χ^2/NDF: 42.7/54

In: 110.648+/-26.508 χ^2/NDF:50.4/47

Out: 113.408+/-25.195 χ^2/NDF:58.7/54

All: 112.098+/-18.262 χ^2/NDF: 109.1/102

dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 127.828+/-0.025 χ^2/NDF: 1597897.3/24

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 123.432+/-0.023 χ^2/NDF: 2776174.0/29

Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

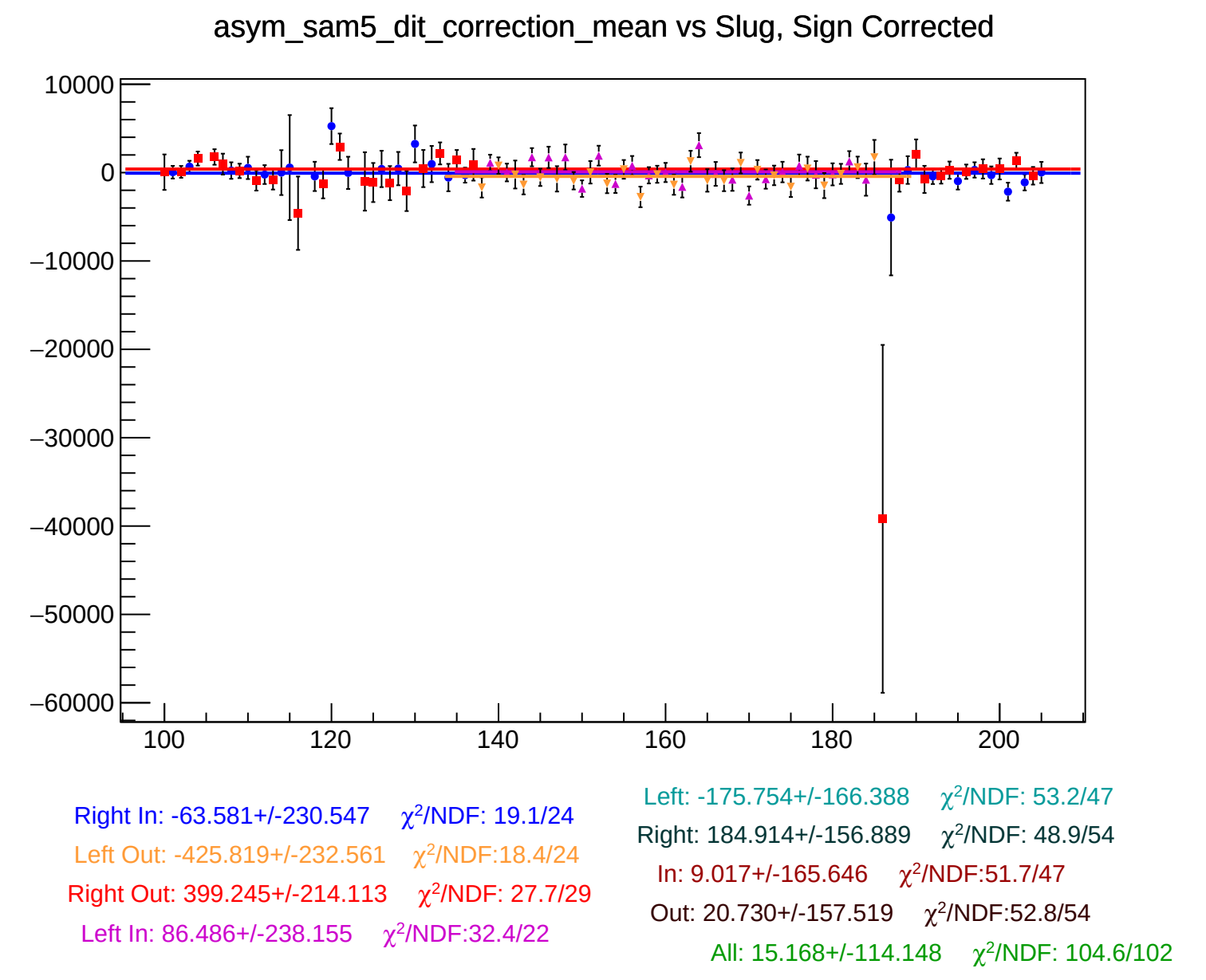
Left: 169.976+/-0.020 χ^2/NDF: 1454622.7/47

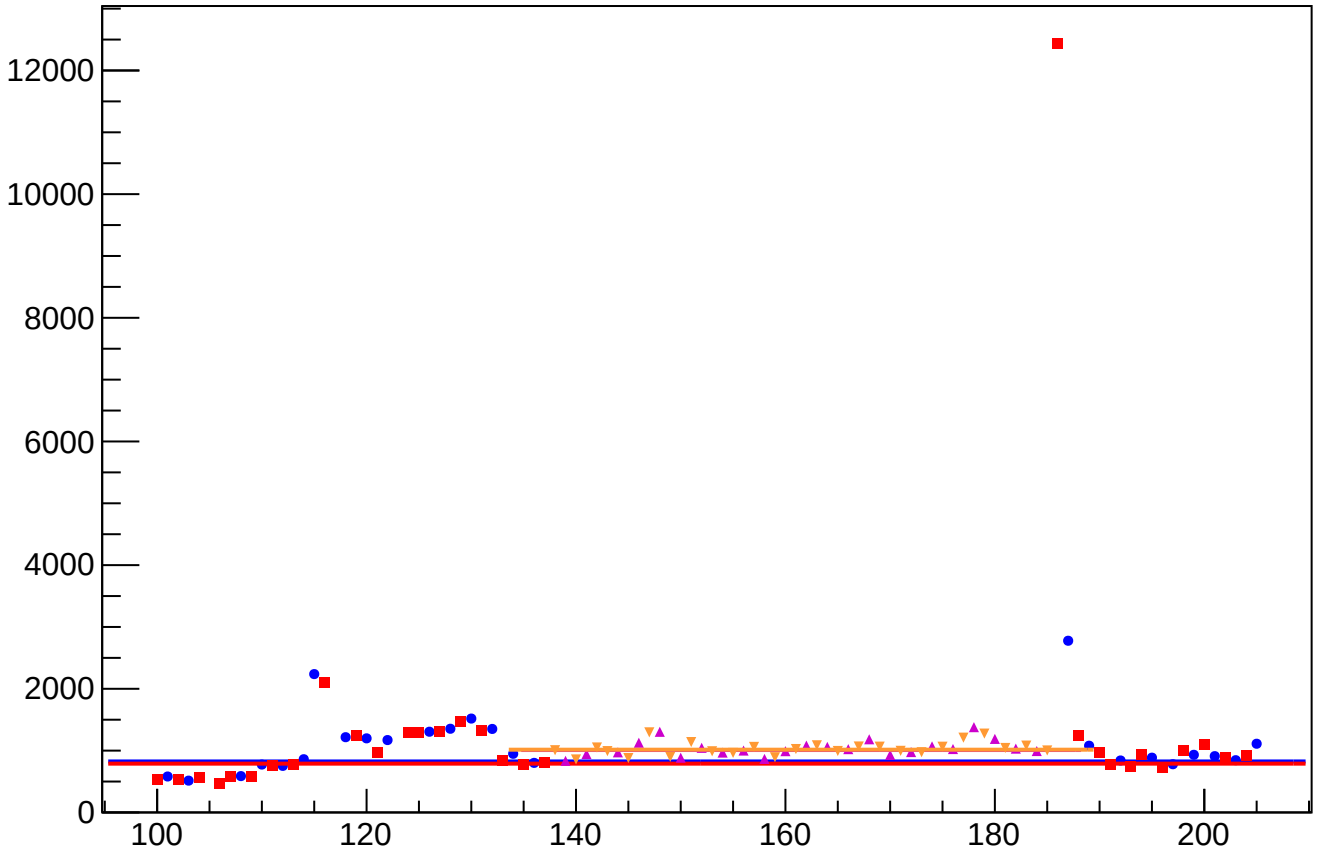
Right: 125.500+/-0.017 χ^2/NDF: 4390651.3/54

In: 146.438+/-0.019 χ^2/NDF:3578143.3/47

Out: 142.614+/-0.018 χ^2/NDF:5145234.9/54

All: 144.429+/-0.013 χ^2/NDF: 8745250.3/102


asym_sam5_dit_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
−50000
−60000
100
120
140
160
180
200
Right In: -63.581+/-230.547 χ²/NDF: 19.1/24
Left Out: -425.819+/-232.561 χ²/NDF:18.4/24
Right Out: 399.245+/-214.113 χ²/NDF: 27.7/29
Left In: 86.486+/-238.155 χ²/NDF:32.4/22
Left: -175.754+/-166.388 χ²/NDF: 53.2/47
Right: 184.914+/-156.889 χ²/NDF: 48.9/54
In: 9.017+/-165.646 χ²/NDF:51.7/47
Out: 20.730+/-157.519 χ²/NDF:52.8/54
All: 15.168+/-114.148 χ²/NDF: 104.6/102



Right In: 824.893+/-0.163 χ^2/NDF: 2203165.2/24

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 789.393+/-0.151 χ^2/NDF: 3211544.6/29

Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

Left: 1012.423+/-0.118 χ^2/NDF: 897271.1/47

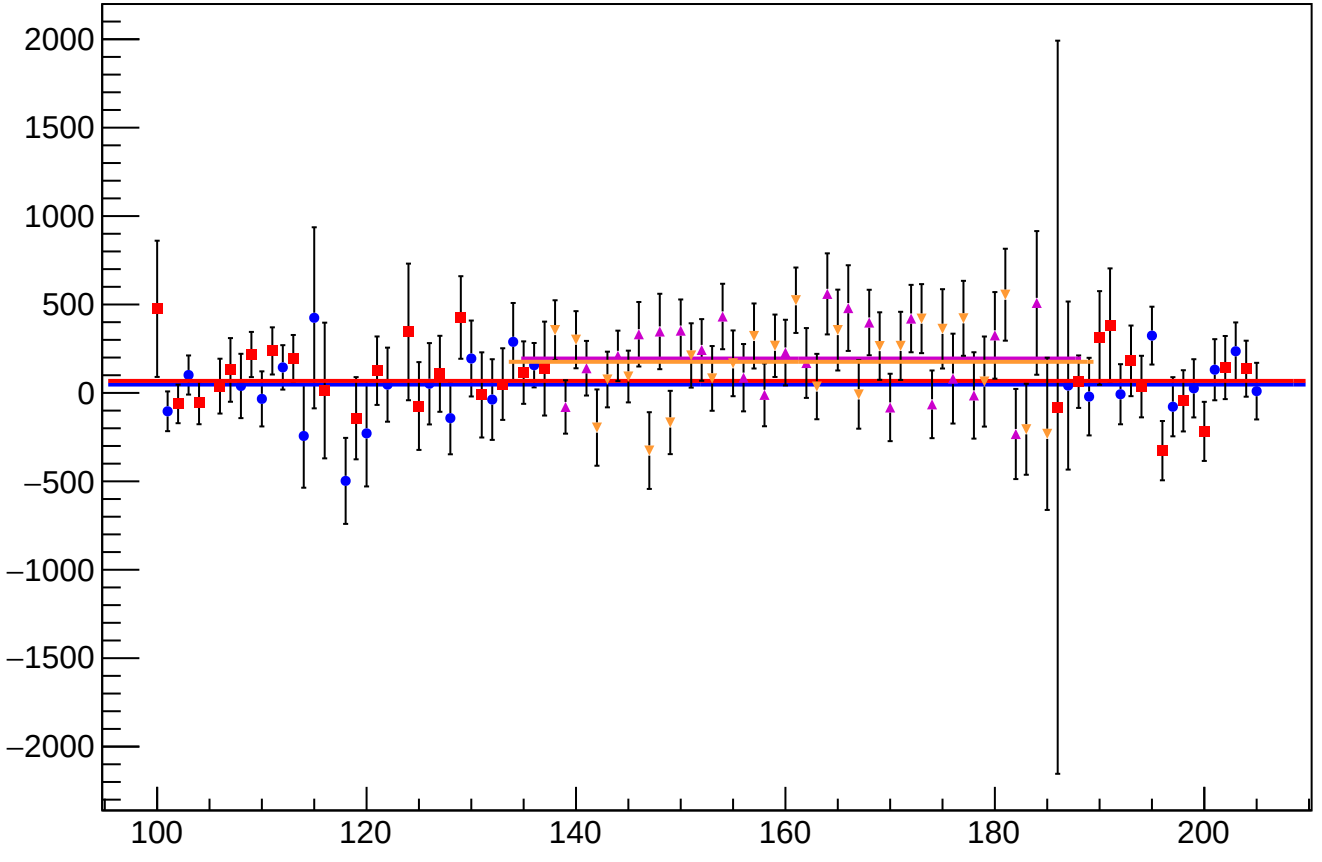
Right: 805.833+/-0.111 χ^2/NDF: 5440170.7/54

In: 914.284+/-0.117 χ^2/NDF:3323471.3/47

Out: 892.916+/-0.111 χ^2/NDF:4628623.7/54

All: 903.063+/-0.081 χ^2/NDF: 7969572.5/102

eigen_dit_asym_sam5_mean vs Slug, Sign Corrected



Right In: 47.299+/-35.137 χ^2/NDF: 19.0/24

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: 67.915+/-33.108 χ^2/NDF: 23.5/29

Left In: 194.324+/-40.384 χ^2/NDF:23.8/22

Left: 184.810+/-27.993 χ^2/NDF: 54.7/47

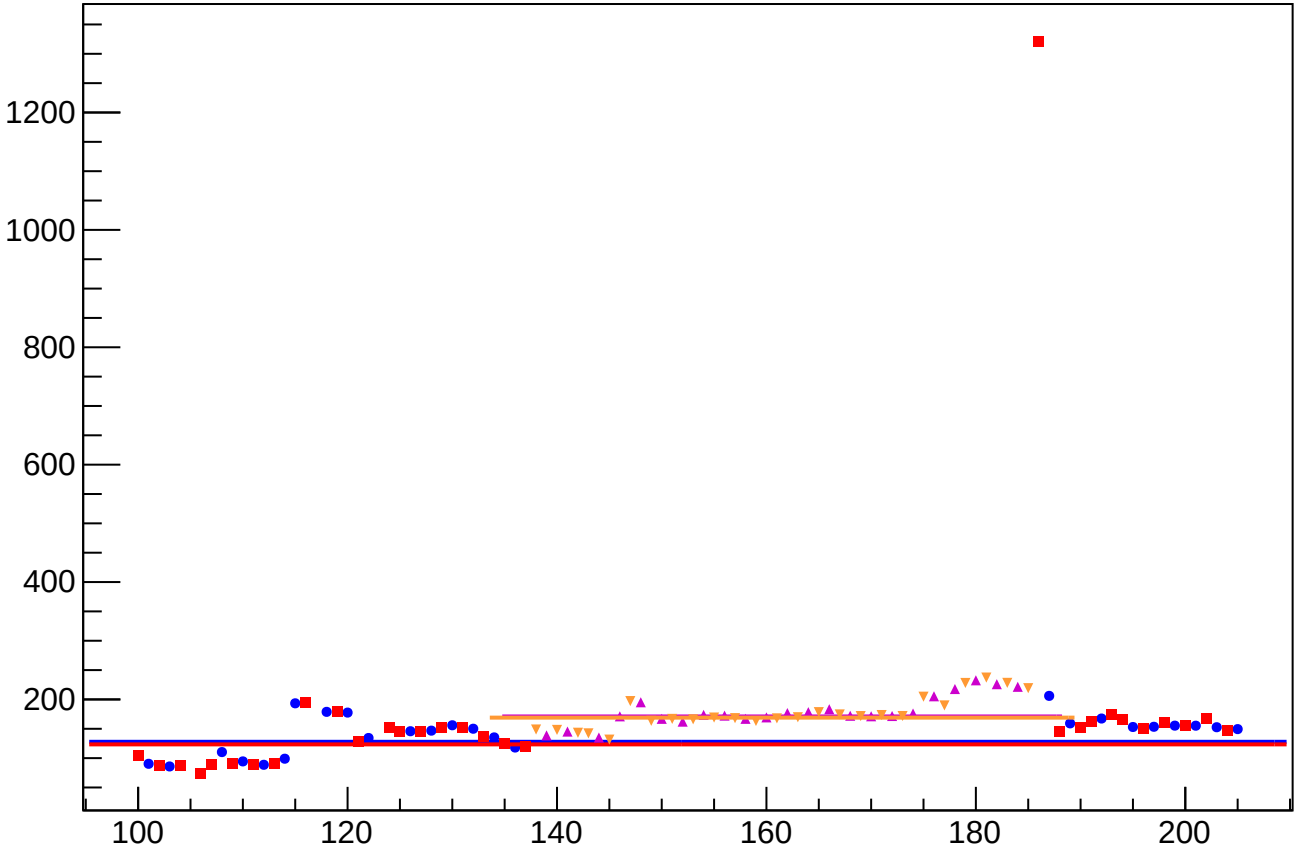
Right: 58.220+/-24.096 χ^2/NDF: 42.7/54

In: 110.647+/-26.508 χ^2/NDF:50.4/47

Out: 113.408+/-25.195 χ^2/NDF:58.7/54

All: 112.098+/-18.262 χ^2/NDF: 109.1/102

eigen_dit_asym_sam5_rms vs Slug, Sign Corrected



Right In: 127.828+/-0.025 χ^2/NDF: 1597904.2/24

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 123.432+/-0.023 χ^2/NDF: 2776179.7/29

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

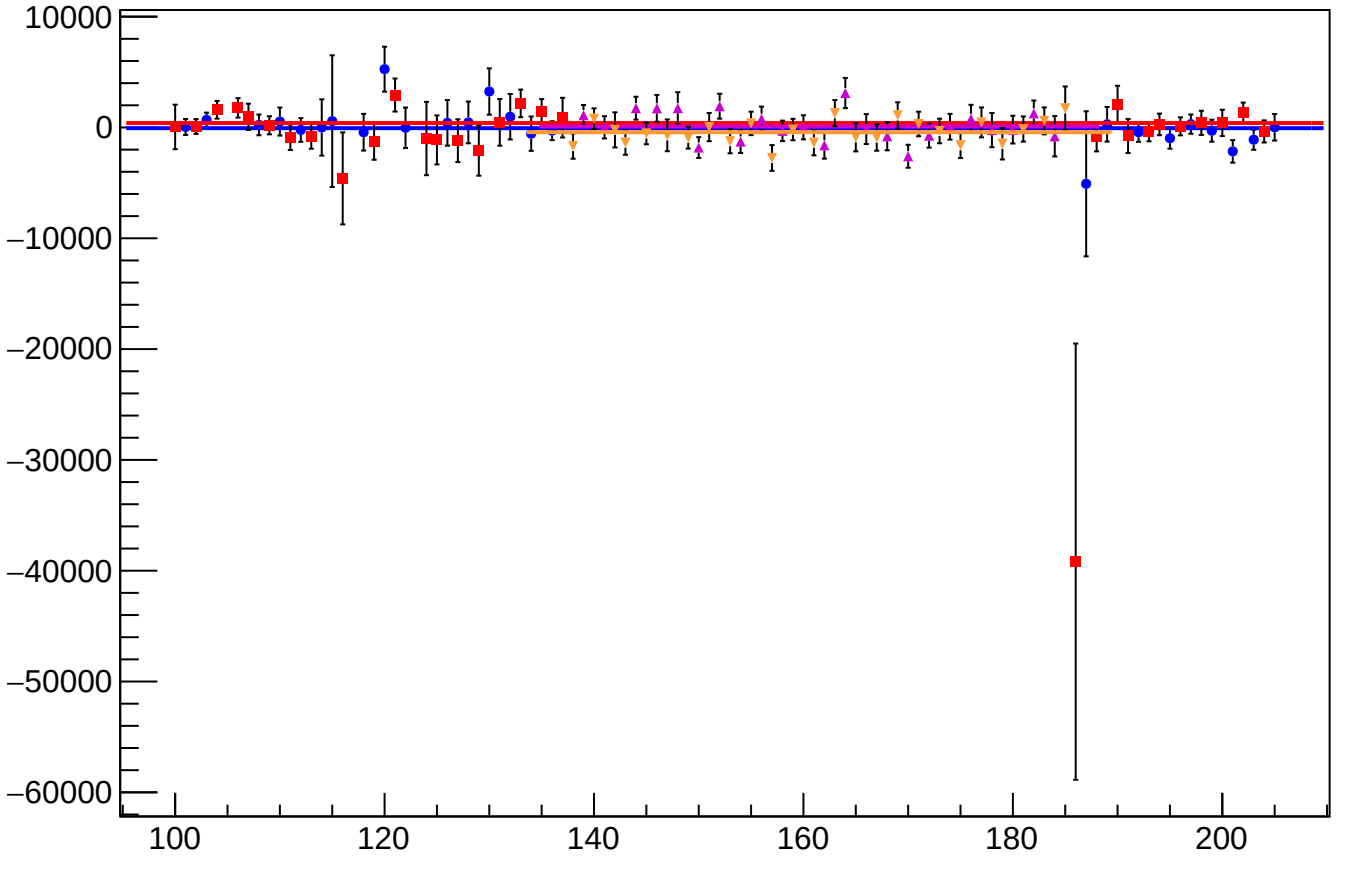
Left: 169.976+/-0.020 χ^2/NDF: 1454601.1/47

Right: 125.499+/-0.017 χ^2/NDF: 4390663.1/54

In: 146.438+/-0.019 χ^2/NDF:3578172.1/47

Out: 142.614+/-0.018 χ^2/NDF:5145247.7/54

All: 144.429+/-0.013 χ^2/NDF: 8745291.7/102



Right In: -63.580+/-230.547 χ^2/NDF: 19.1/24

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: 399.245+/-214.113 χ^2/NDF: 27.7/29

Left In: 86.487+/-238.155 χ^2/NDF:32.4/22

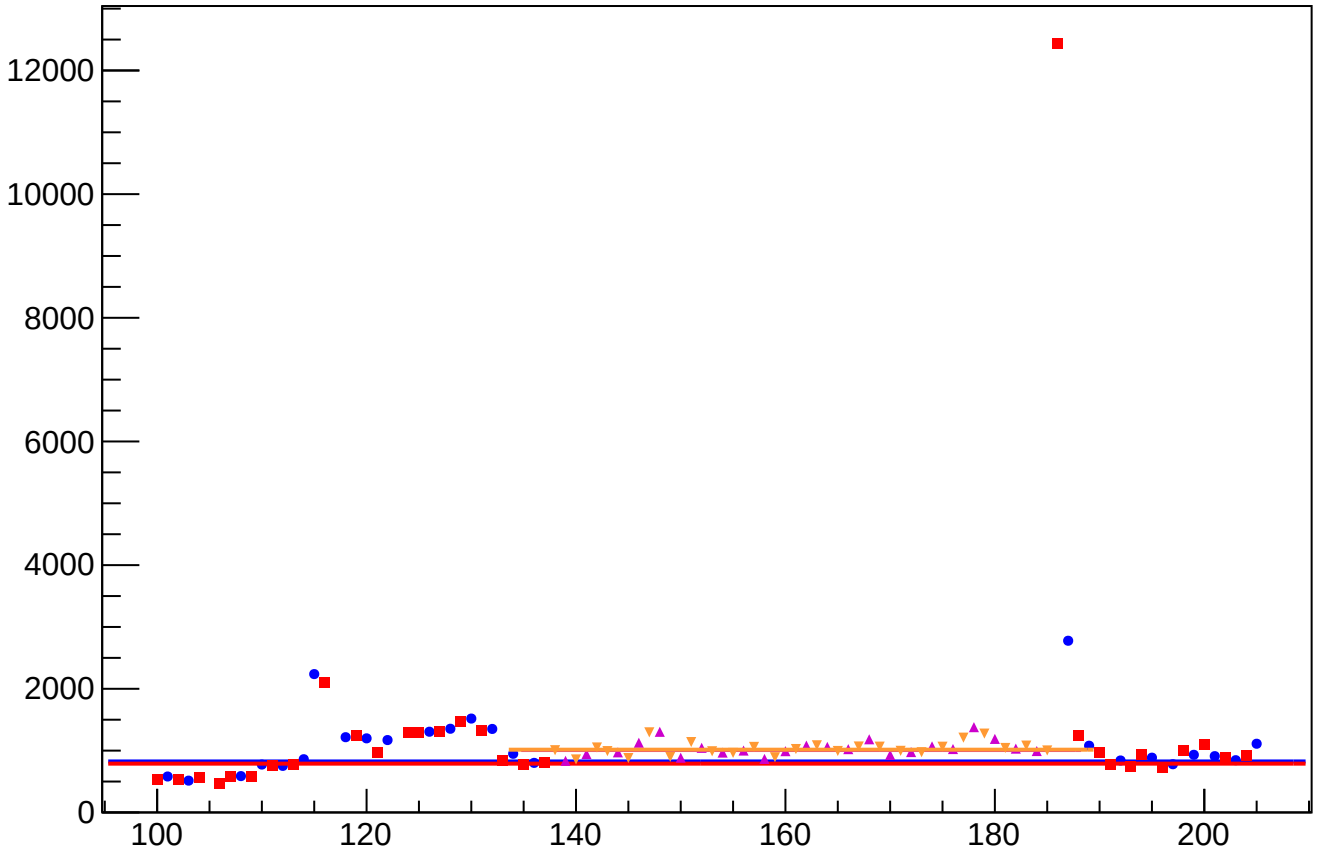
Left: -175.753+/-166.388 χ^2/NDF: 53.2/47

Right: 184.915+/-156.889 χ^2/NDF: 48.9/54

In: 9.018+/-165.646 χ^2/NDF:51.7/47

Out: 20.731+/-157.519 χ^2/NDF:52.8/54

All: 15.169+/-114.148 χ^2/NDF: 104.6/102



Right In: 824.893+/-0.163 χ^2/NDF: 2203166.7/24

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 789.393+/-0.151 χ^2/NDF: 3211553.5/29

Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

Left: 1012.424+/-0.118 χ^2/NDF: 897269.4/47

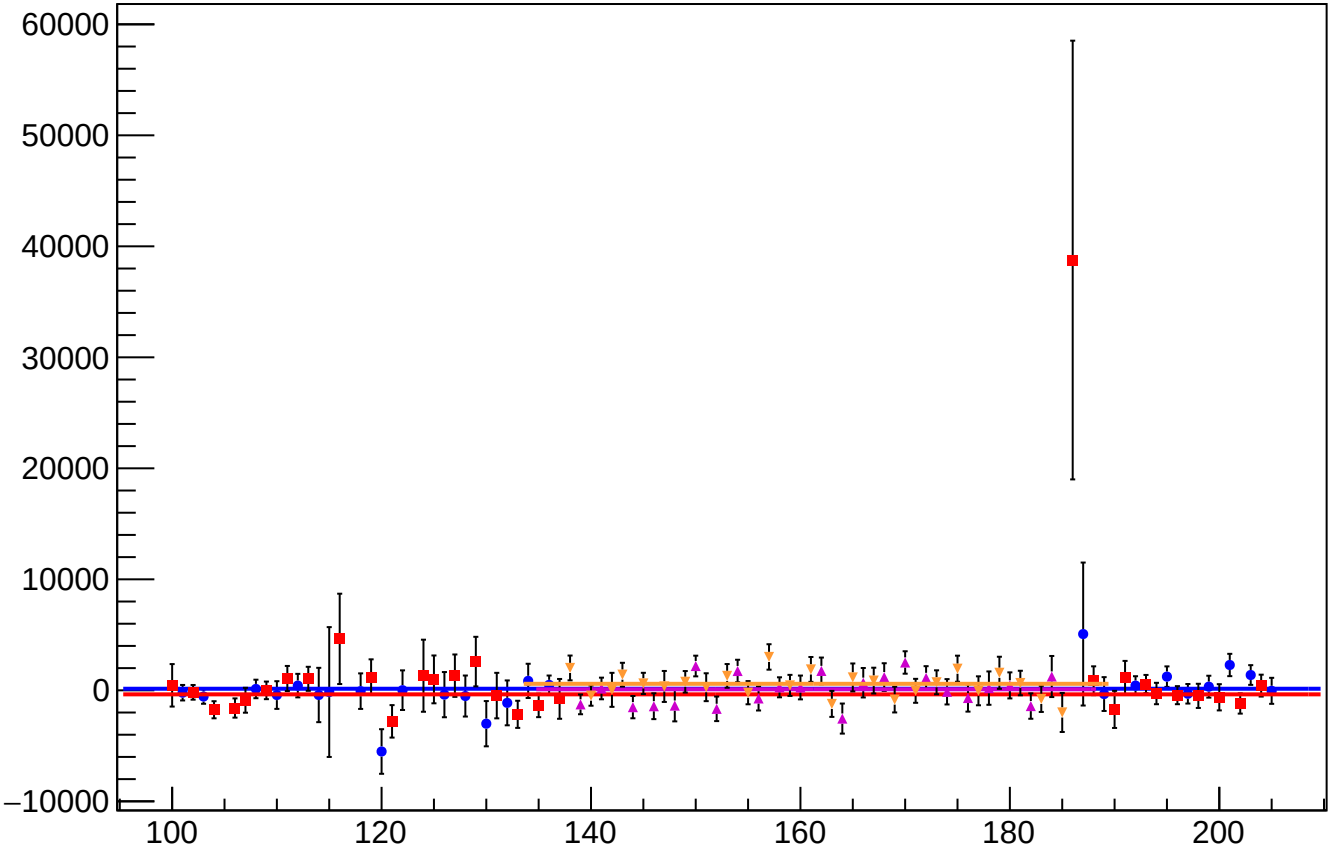
Right: 805.832+/-0.111 χ^2/NDF: 5440180.9/54

In: 914.284+/-0.117 χ^2/NDF:3323484.4/47

Out: 892.916+/-0.111 χ^2/NDF:4628642.9/54

All: 903.063+/-0.081 χ^2/NDF: 7969604.8/102

asym_sam5_mean vs Slug, Sign Corrected



Right In: 142.029+/-225.301 χ^2/NDF: 22.0/24

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: -363.370+/-209.997 χ^2/NDF: 30.0/29

Left In: 92.688+/-233.019 χ^2/NDF:34.6/22

Left: 345.259+/-162.814 χ^2/NDF: 57.6/47

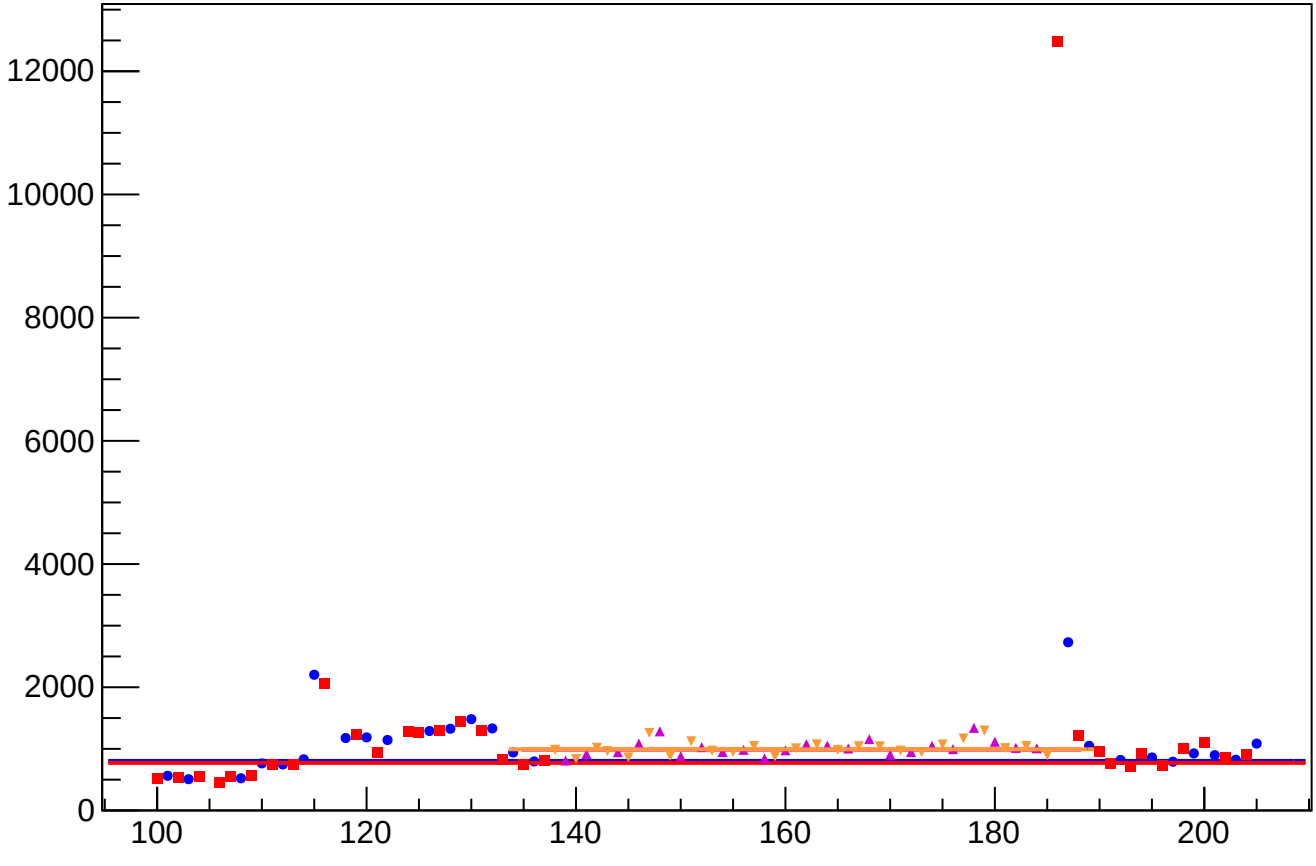
Right: -128.417+/-153.616 χ^2/NDF: 54.7/54

In: 118.189+/-161.972 χ^2/NDF:56.6/47

Out: 73.303+/-154.334 χ^2/NDF:60.2/54

All: 94.663+/-111.733 χ^2/NDF: 116.9/102

asym_sam5_rms vs Slug, Sign Corrected



Right In: 803.953+/-0.159 χ^2/NDF: 2306006.8/24

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 772.038+/-0.148 χ^2/NDF: 3296887.7/29

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

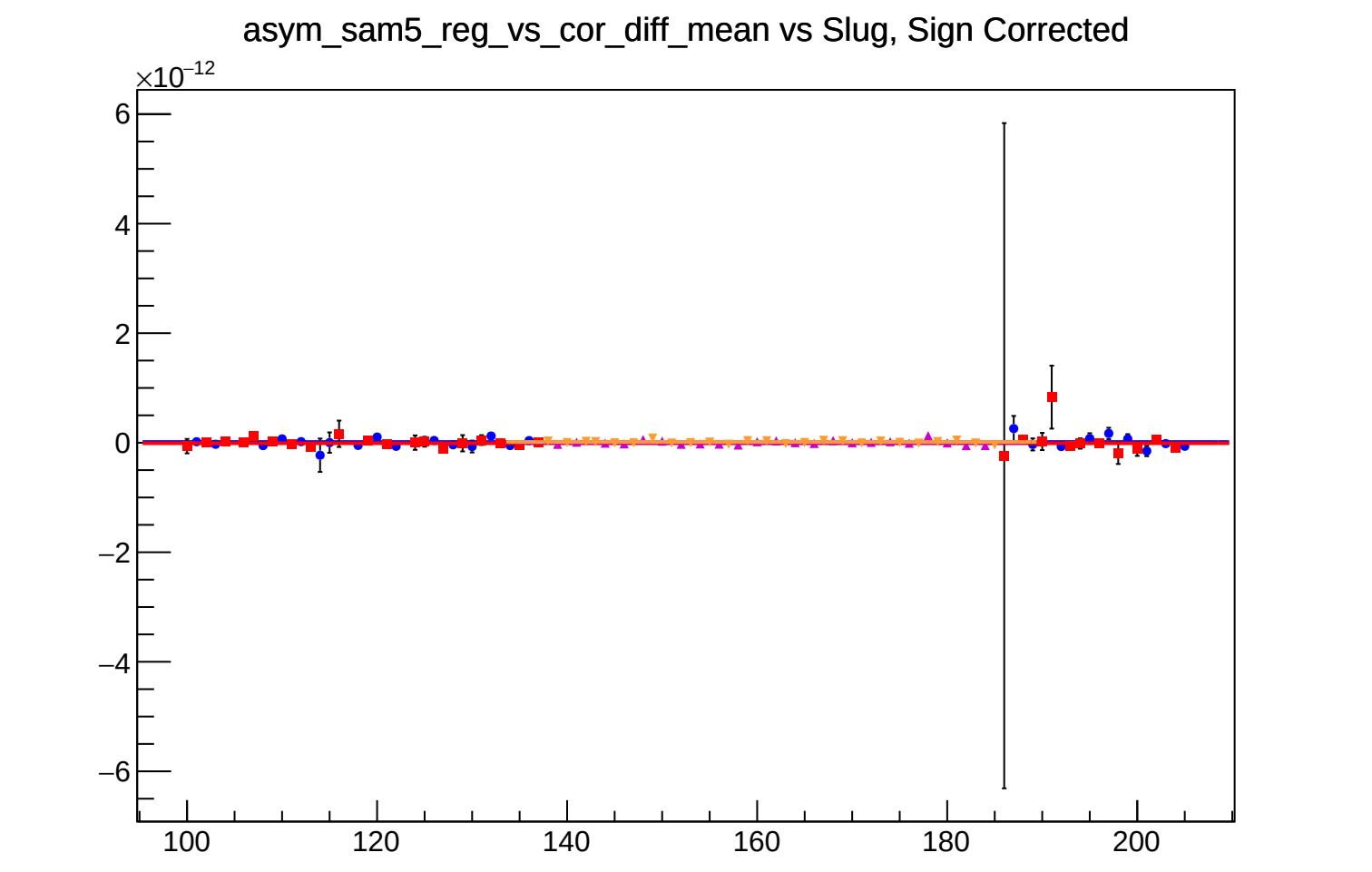
Left: 990.223+/-0.115 χ^2/NDF: 913060.8/47

Right: 786.875+/-0.109 χ^2/NDF: 5624370.2/54

In: 892.774+/-0.115 χ^2/NDF:3437072.4/47

Out: 873.445+/-0.109 χ^2/NDF:4735933.7/54

All: 882.643+/-0.079 χ^2/NDF: 8187934.8/102



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

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/29

Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

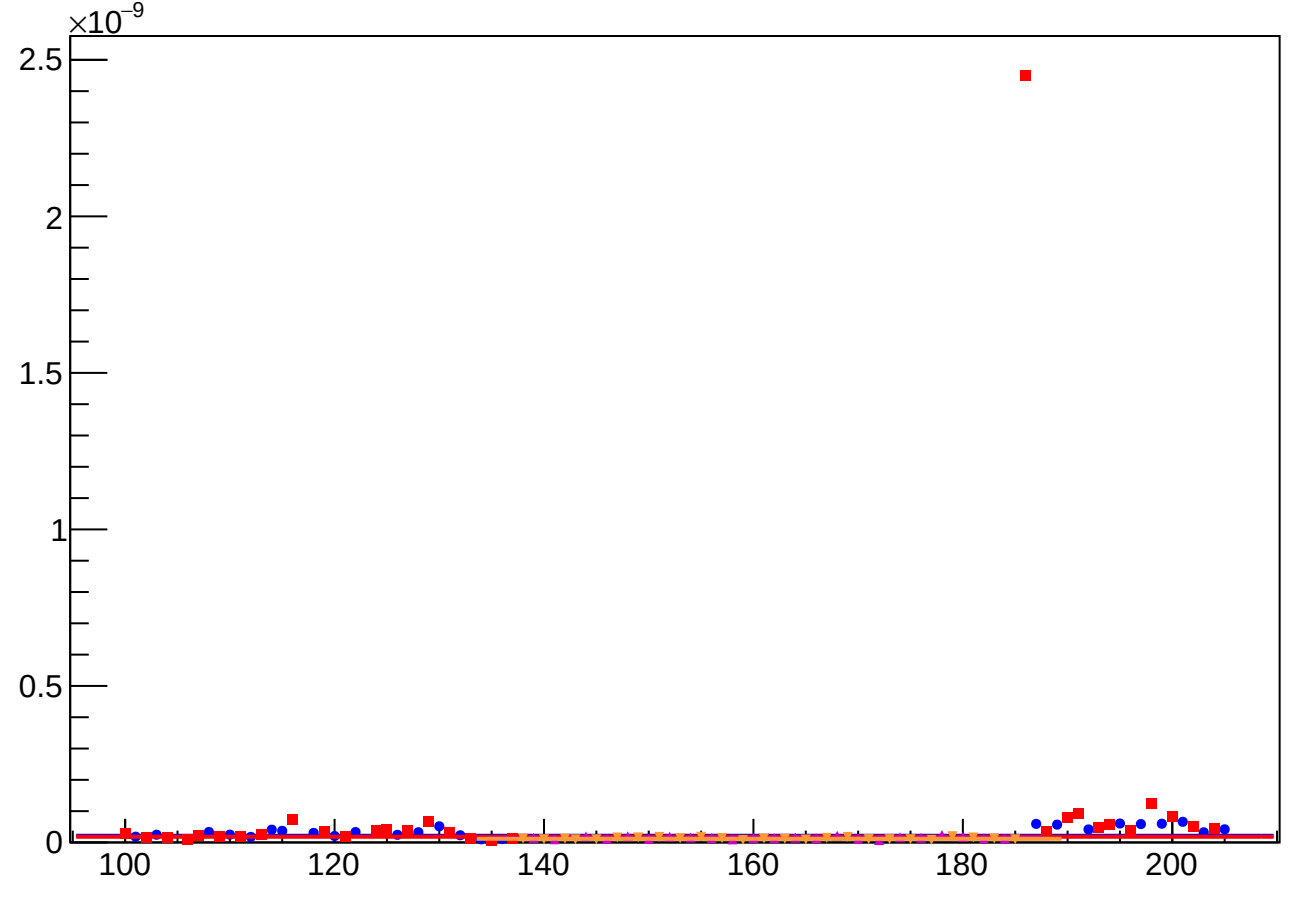
Left: 0.000+/-0.000 χ^2/NDF: 56.5/47

Right: 0.000+/-0.000 χ^2/NDF: 53.1/54

In: 0.000+/-0.000 χ^2/NDF:58.3/47

Out: 0.000+/-0.000 χ^2/NDF:50.6/54

All: 0.000+/-0.000 χ^2/NDF: 110.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 3525869.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5468010.1/29

Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

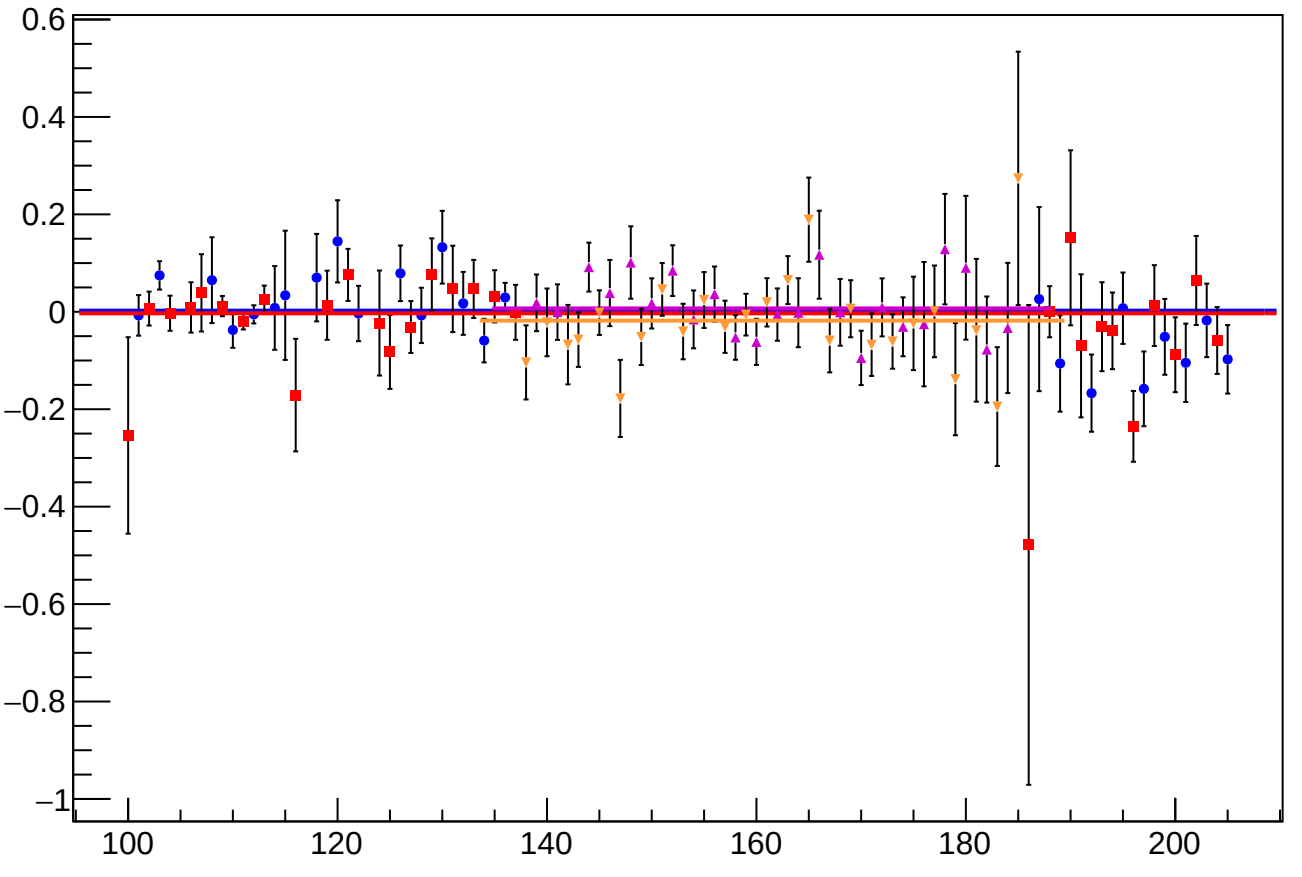
Left: 0.000+/-0.000 χ^2/NDF: 1727958.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9107648.7/54

In: 0.000+/-0.000 χ^2/NDF:5370475.8/47

Out: 0.000+/-0.000 χ^2/NDF:7074998.3/54

All: 0.000+/-0.000 χ^2/NDF: 12671981.3/102



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

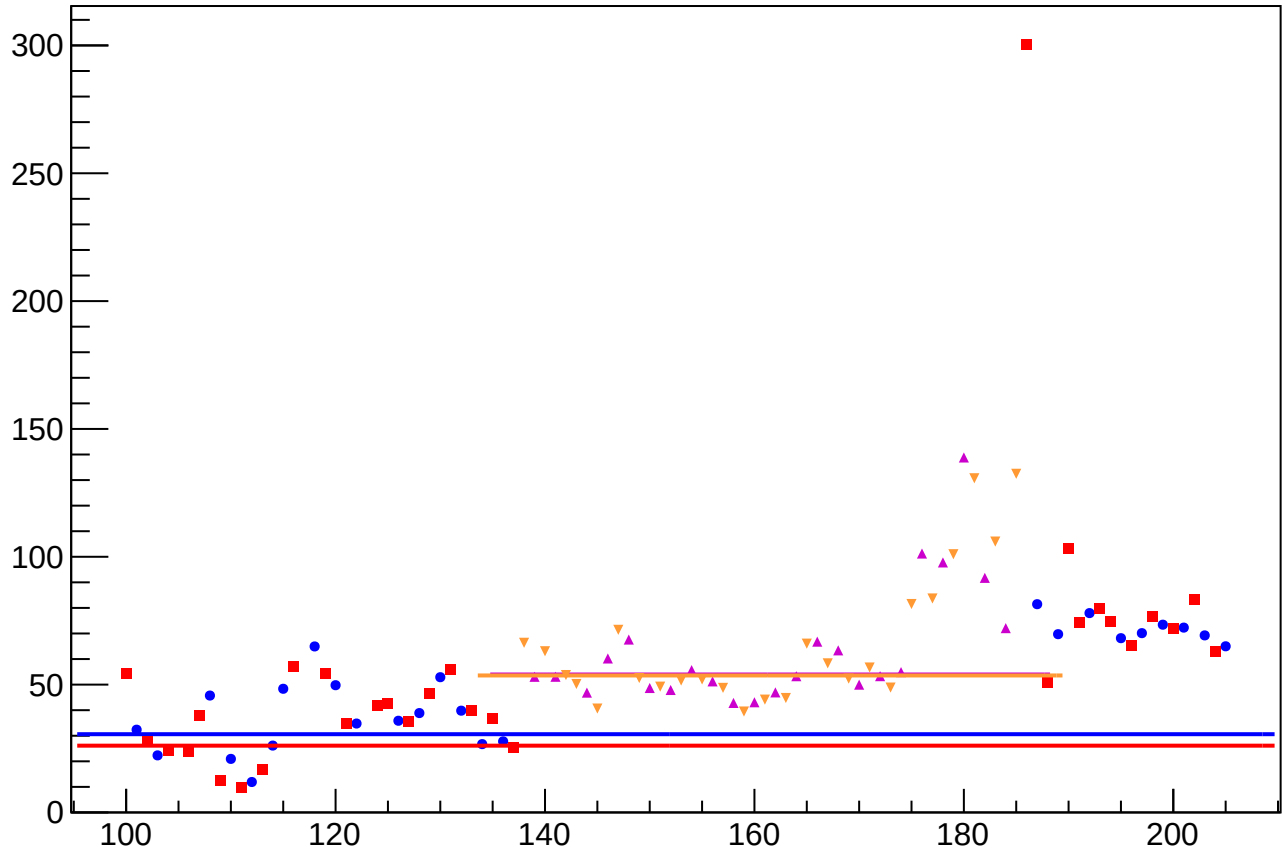
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.007 χ^2/NDF: 61.6/54

In: 0.004+/-0.008 χ^2/NDF:52.5/47

Out: -0.008+/-0.007 χ^2/NDF:53.0/54

All: -0.003+/-0.005 χ^2/NDF: 106.7/102



Right In: 30.610+/-0.007 χ^2/NDF: 7509406.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.124+/-0.006 χ^2/NDF: 10829034.0/29

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

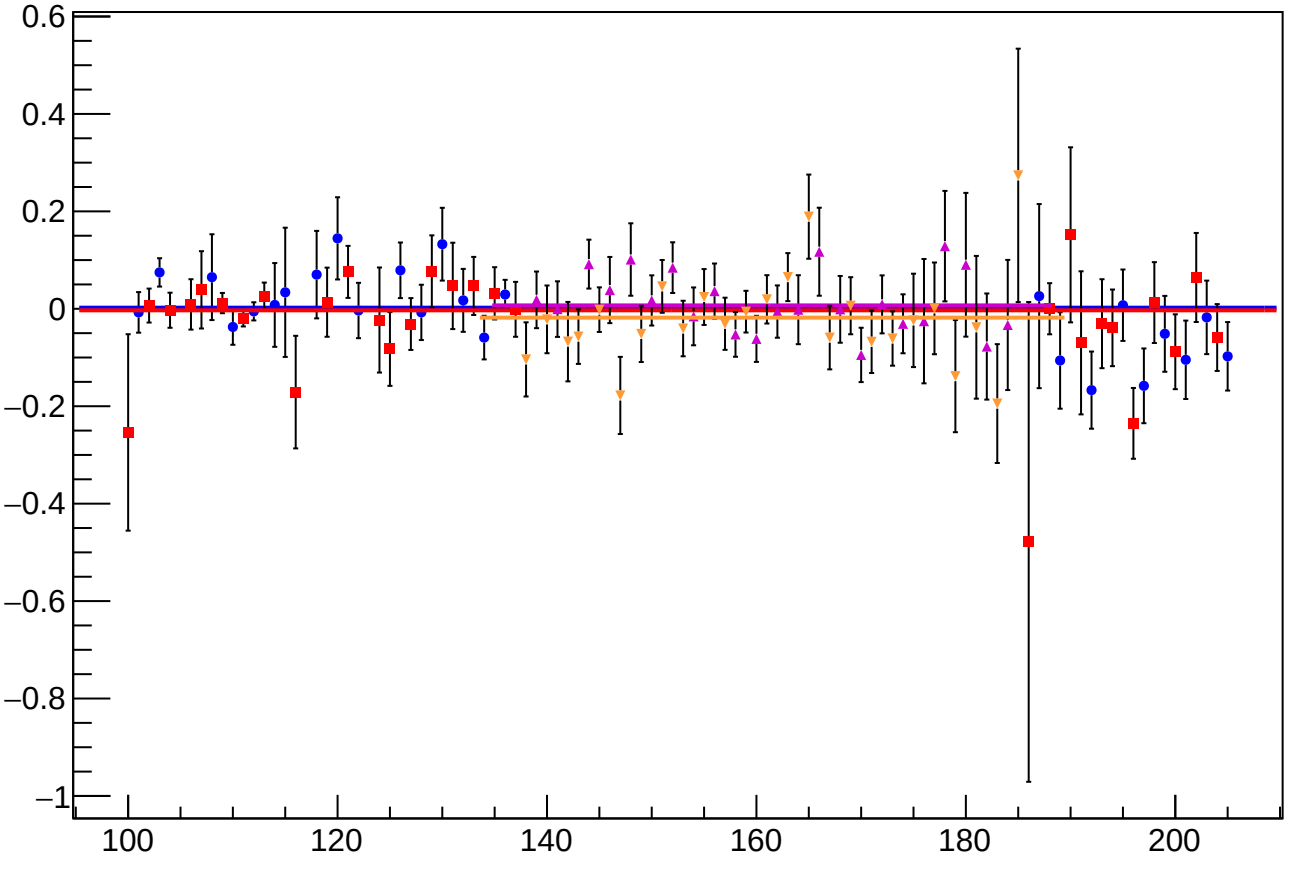
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 28.077+/-0.005 χ^2/NDF: 18571671.8/54

In: 38.990+/-0.006 χ^2/NDF:13565955.5/47

Out: 34.756+/-0.005 χ^2/NDF:19780959.8/54

All: 36.669+/-0.004 χ^2/NDF: 33661472.8/102



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

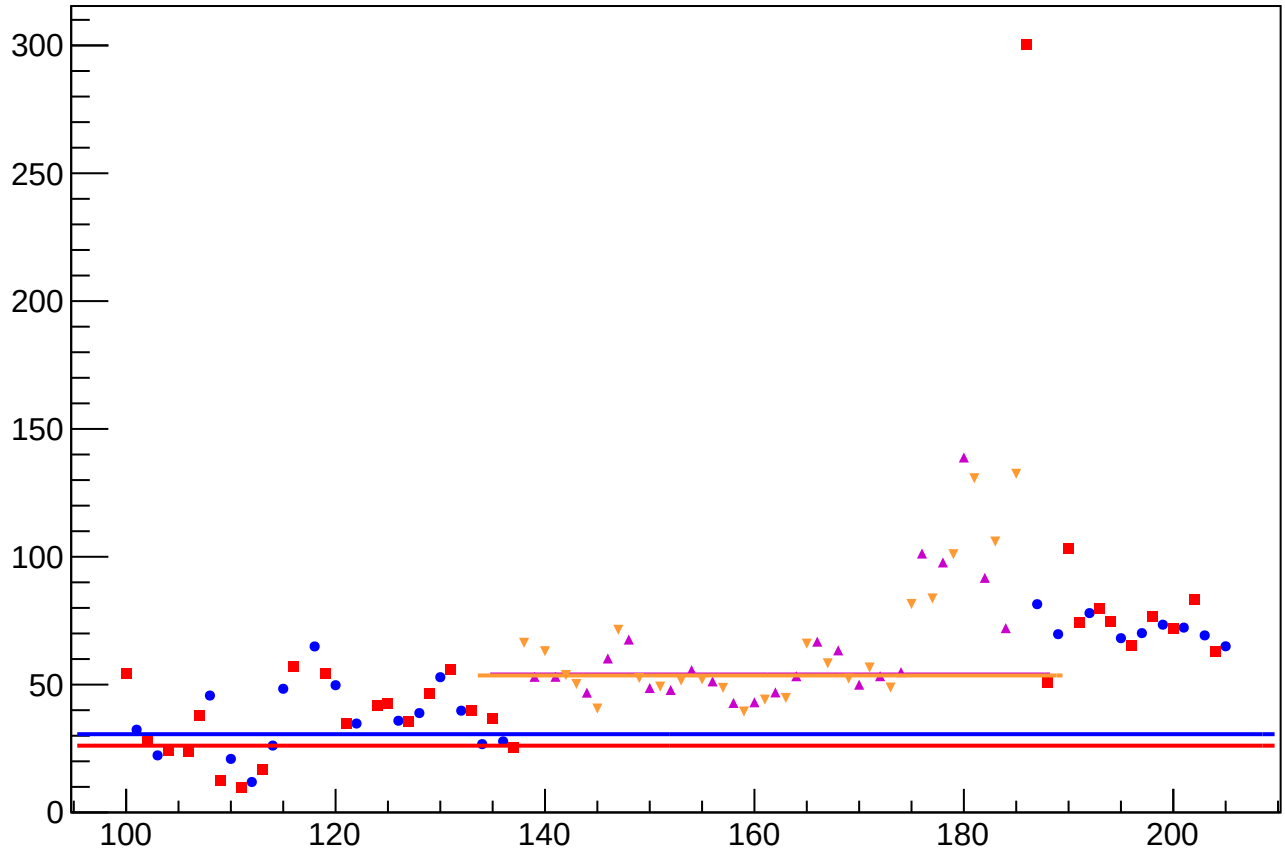
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.007 χ^2/NDF: 61.6/54

In: 0.004+/-0.008 χ^2/NDF:52.5/47

Out: -0.008+/-0.007 χ^2/NDF:53.0/54

All: -0.003+/-0.005 χ^2/NDF: 106.7/102



Right In: 30.610+/-0.007 χ^2/NDF: 7509406.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.124+/-0.006 χ^2/NDF: 10829034.0/29

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

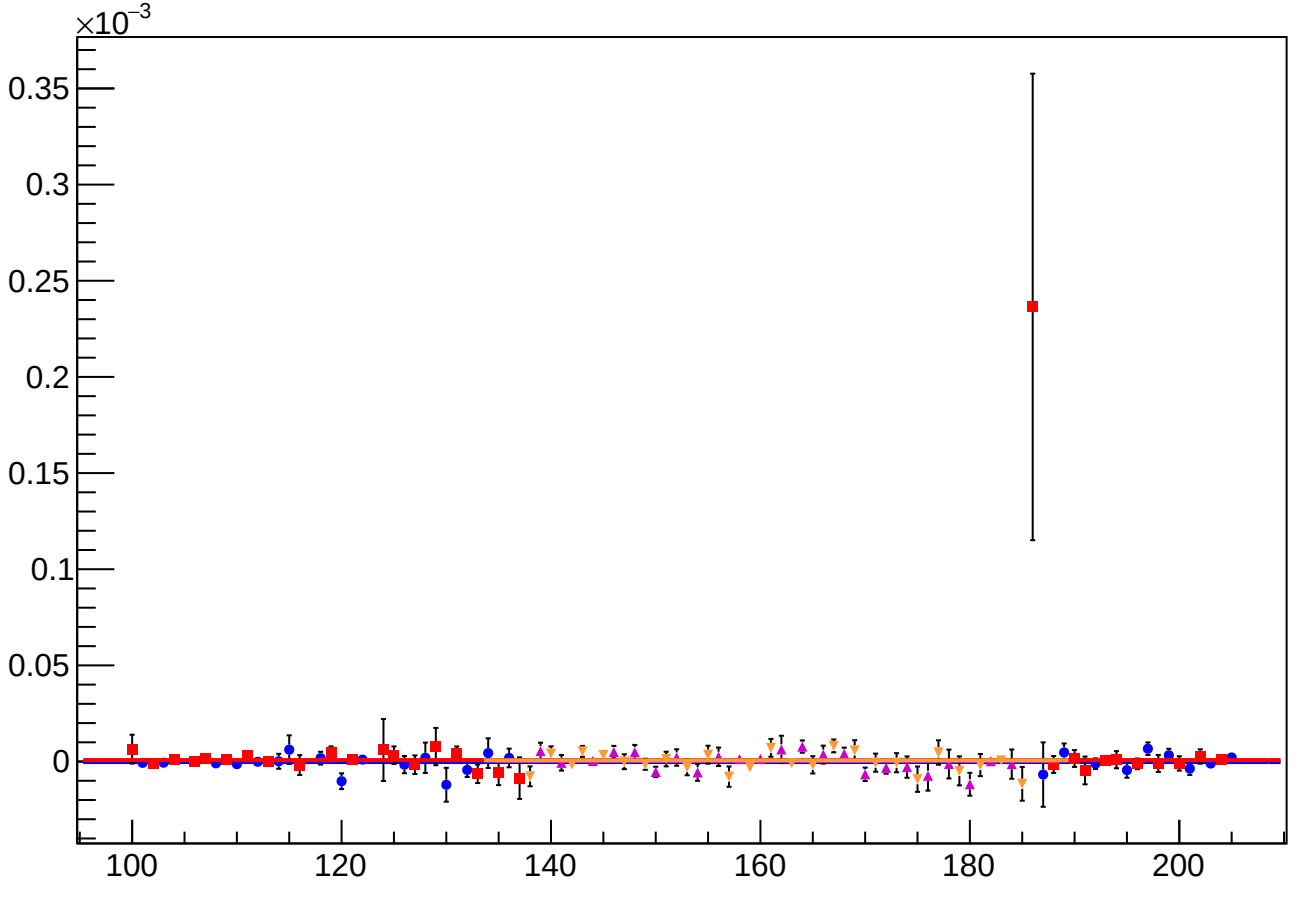
Left: 53.766+/-0.006 χ^2/NDF: 4682889.4/47

Right: 28.077+/-0.005 χ^2/NDF: 18571671.8/54

In: 38.990+/-0.006 χ^2/NDF:13565955.5/47

Out: 34.756+/-0.005 χ^2/NDF:19780959.8/54

All: 36.669+/-0.004 χ^2/NDF: 33661472.8/102



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17.7/29

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

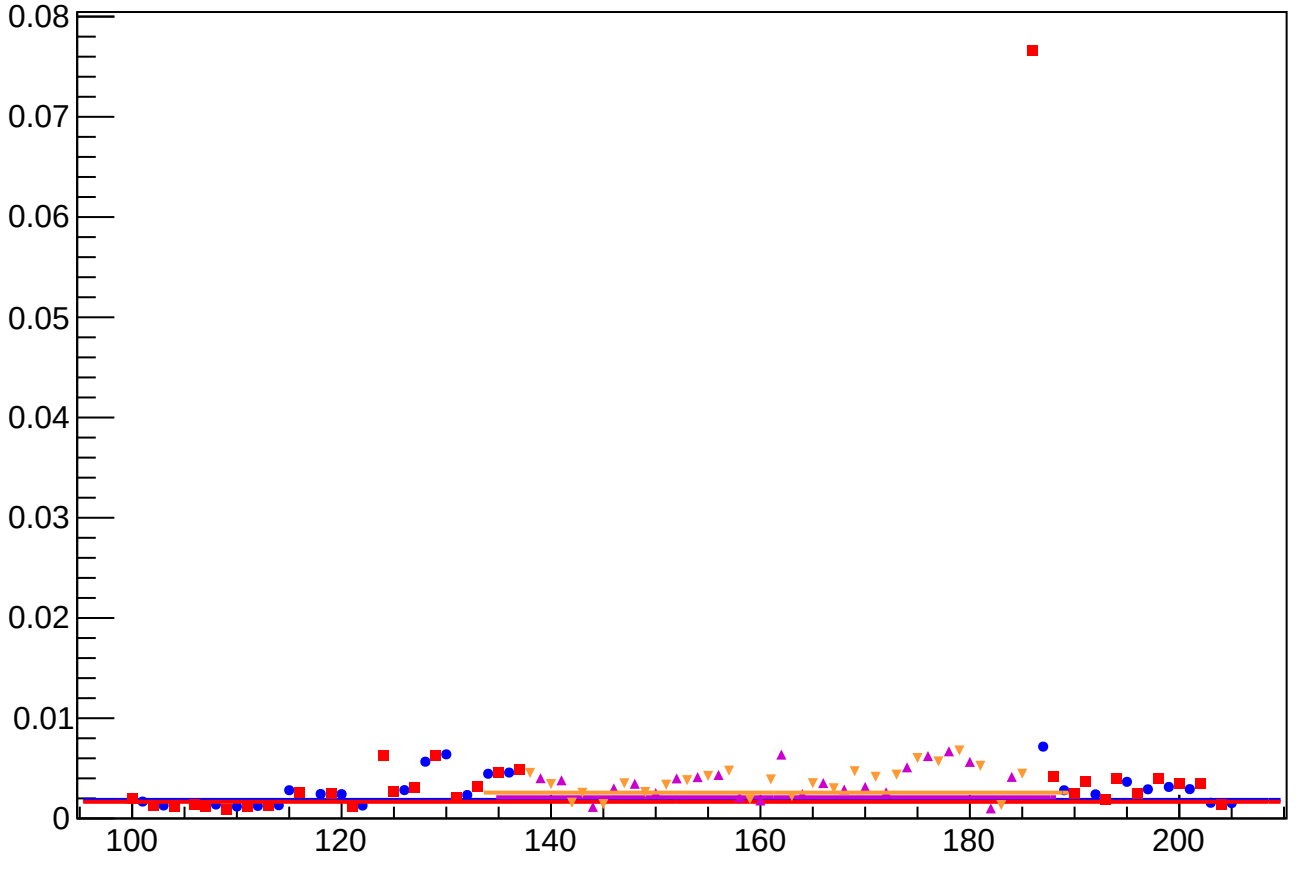
Left: 0.000+/-0.000 χ^2/NDF: 61.9/47

Right: 0.000+/-0.000 χ^2/NDF: 42.3/54

In: 0.000+/-0.000 χ^2/NDF:54.3/47

Out: 0.000+/-0.000 χ^2/NDF:48.7/54

All: 0.000+/-0.000 χ^2/NDF: 104.3/102



Right In: 0.002+/-0.000 χ^2/NDF: 4710762.6/24

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7281014.5/29

Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

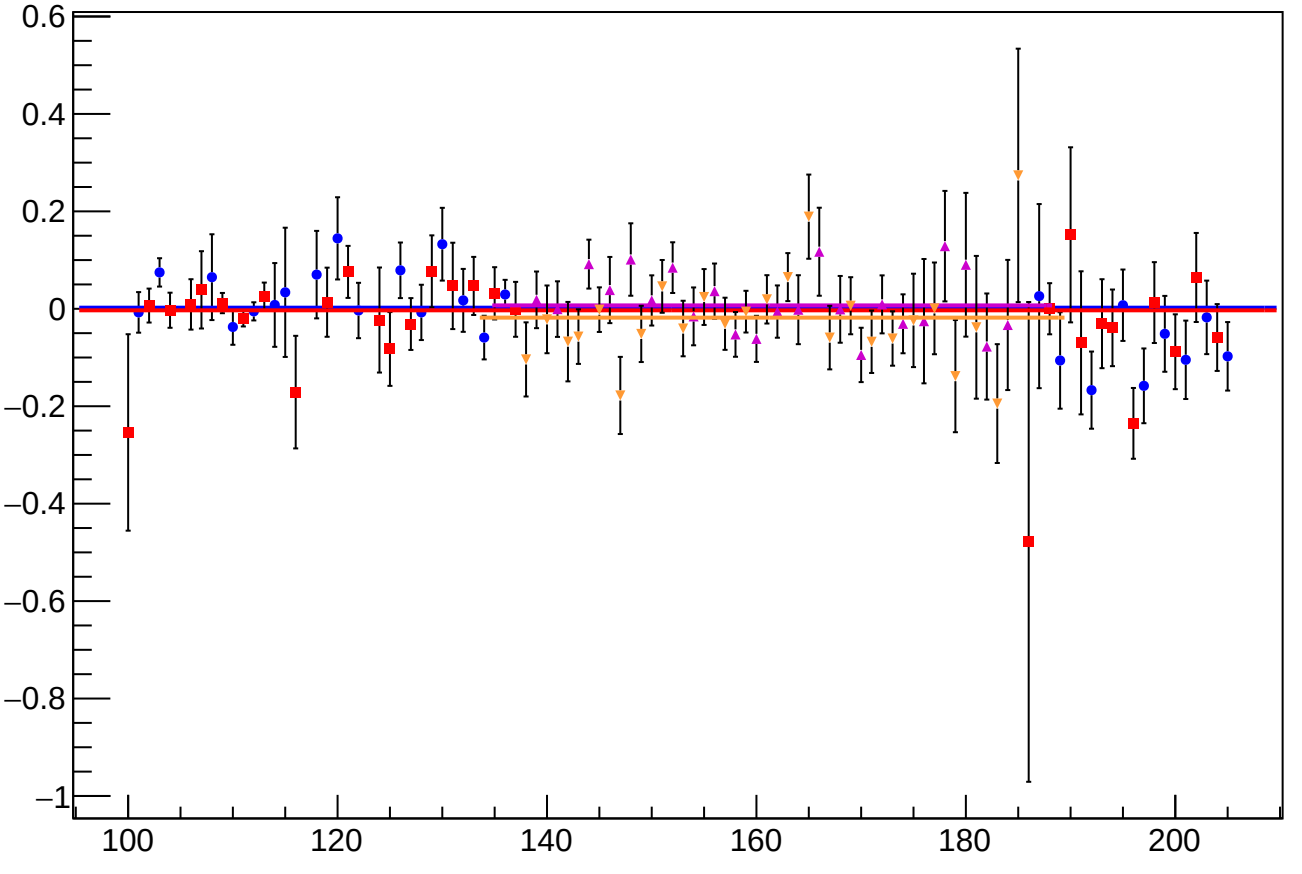
Left: 0.002+/-0.000 χ^2/NDF: 17155413.1/47

Right: 0.002+/-0.000 χ^2/NDF: 12119492.9/54

In: 0.002+/-0.000 χ^2/NDF:14406900.3/47

Out: 0.002+/-0.000 χ^2/NDF:16830362.6/54

All: 0.002+/-0.000 χ^2/NDF: 31238415.6/102



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

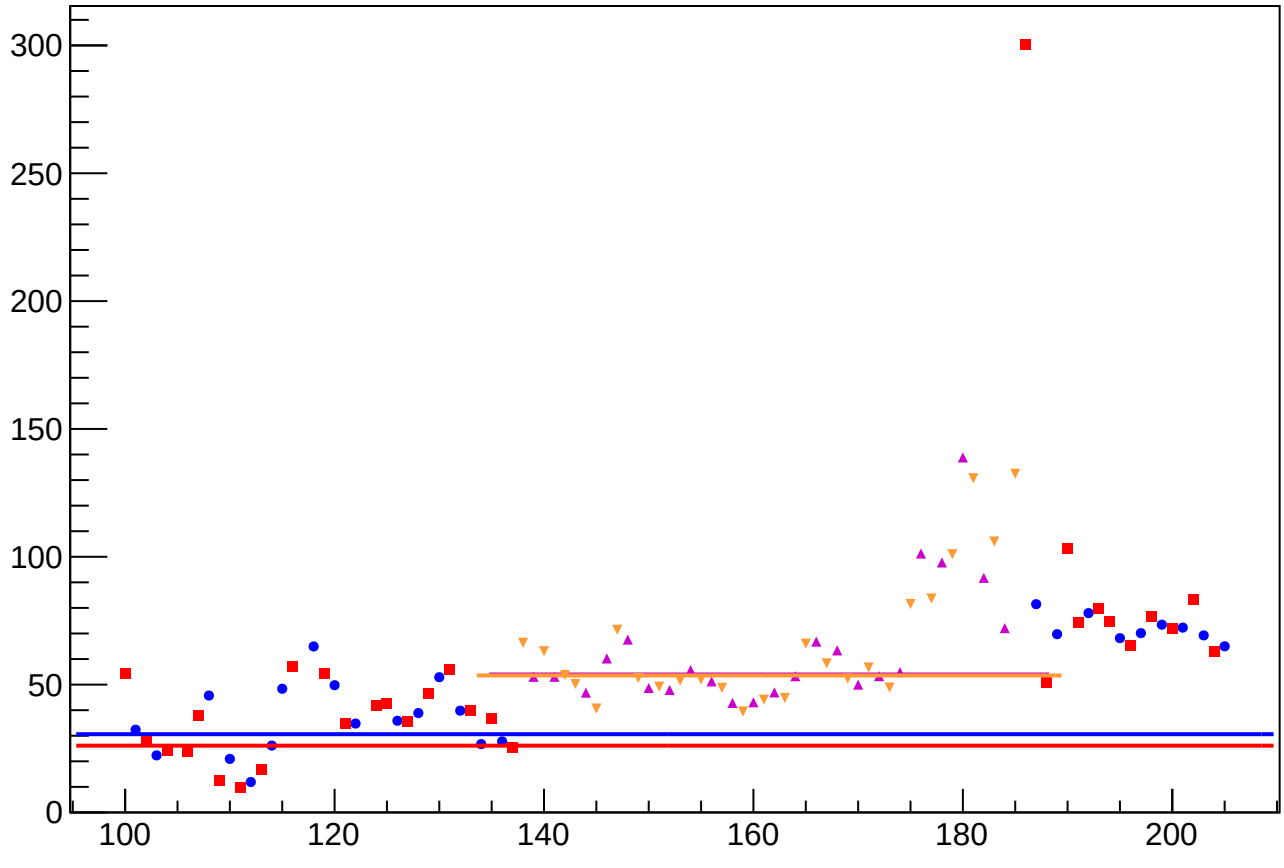
Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

Right: -0.001+/-0.007 χ^2/NDF: 61.5/54

In: 0.004+/-0.008 χ^2/NDF:52.5/47

Out: -0.008+/-0.007 χ^2/NDF:53.0/54

All: -0.003+/-0.005 χ^2/NDF: 106.7/102



Right In: 30.609+/-0.007 χ^2/NDF: 7509482.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 26.123+/-0.006 χ^2/NDF: 10829212.8/29

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

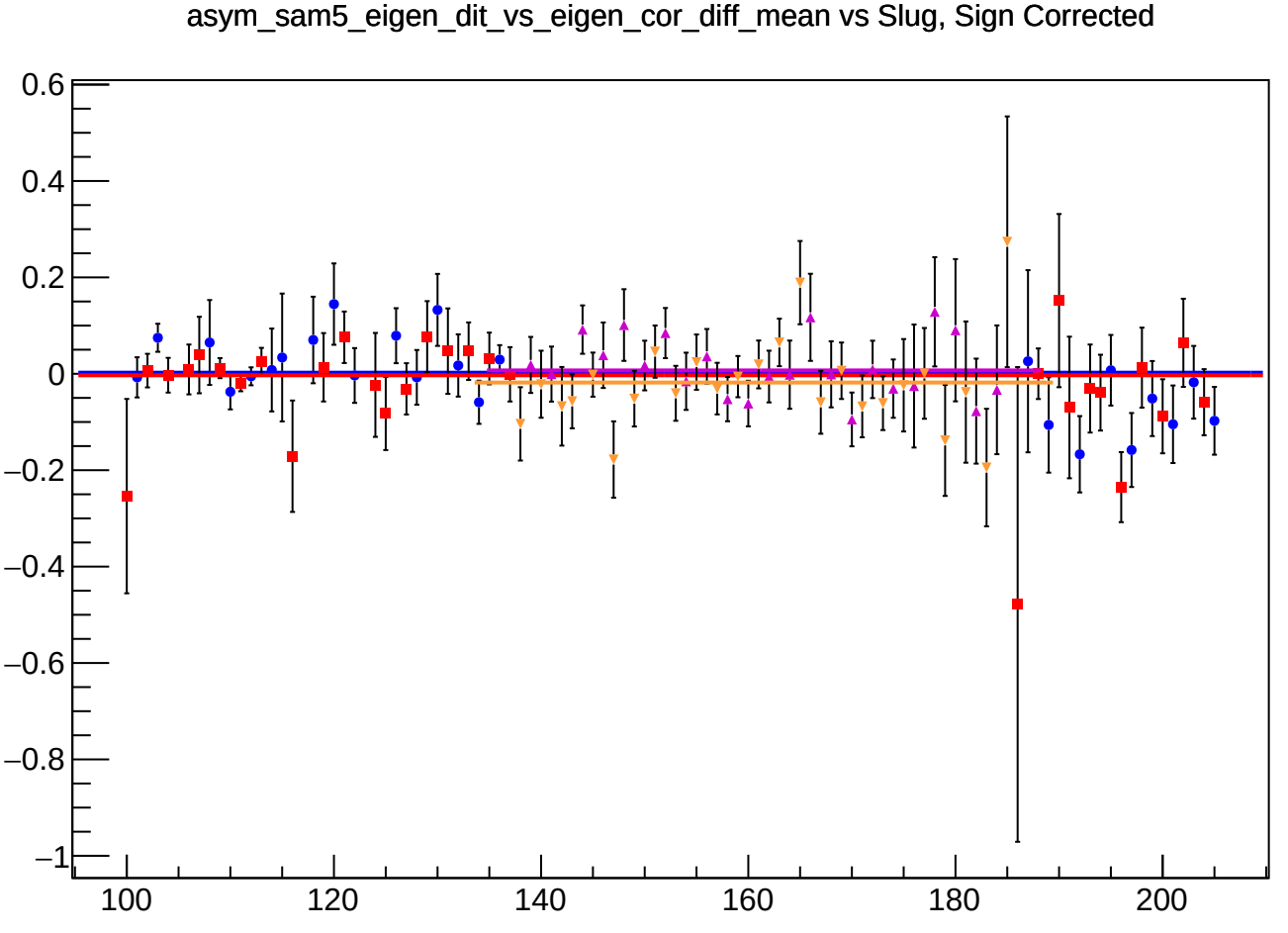
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 28.076+/-0.005 χ^2/NDF: 18571938.5/54

In: 38.989+/-0.006 χ^2/NDF:13566429.8/47

Out: 34.755+/-0.005 χ^2/NDF:19781659.1/54

All: 36.669+/-0.004 χ^2/NDF: 33662667.0/102



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.003+/-0.009 χ^2/NDF: 27.7/29

Left In: 0.007+/-0.013 χ^2/NDF:18.7/22

Left: -0.006+/-0.009 χ^2/NDF: 44.9/47

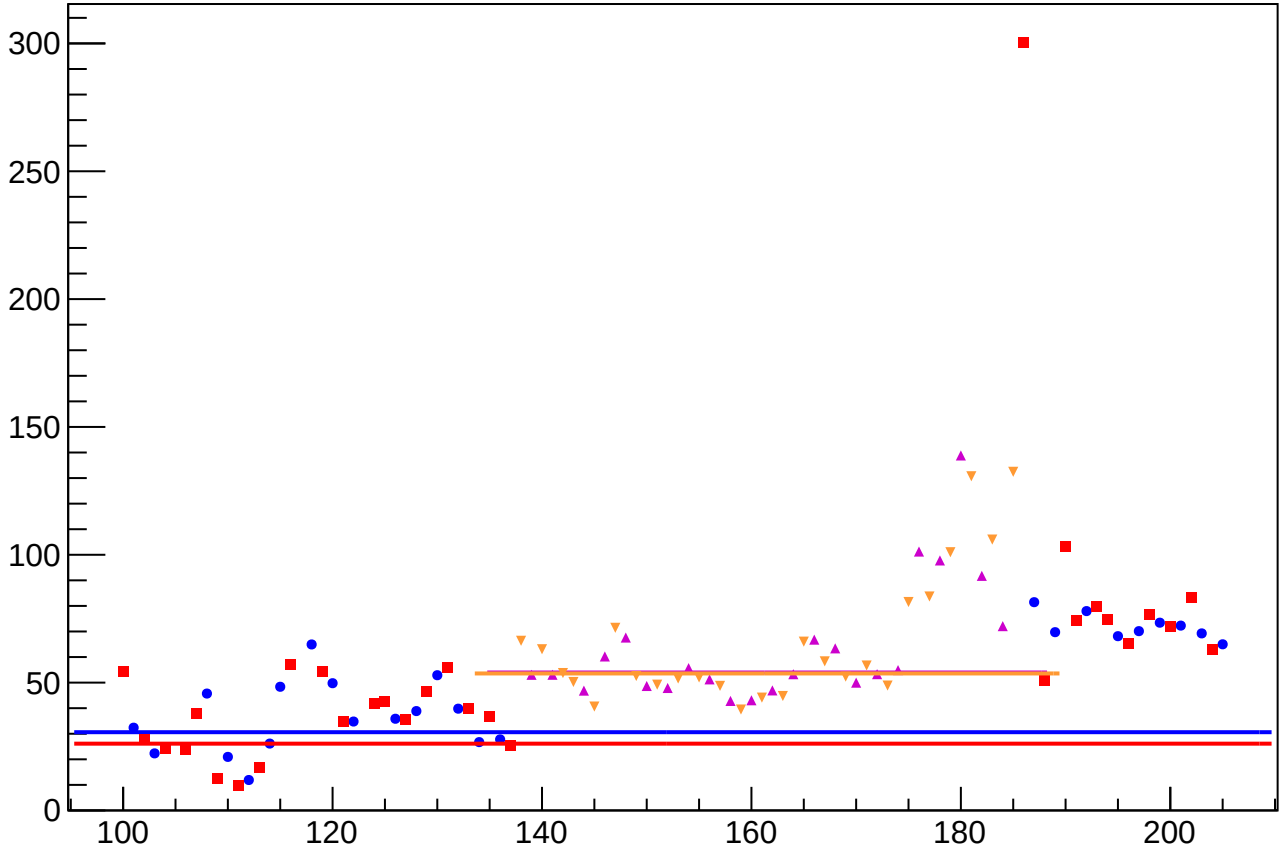
Right: -0.001+/-0.007 χ^2/NDF: 61.5/54

In: 0.004+/-0.008 χ^2/NDF:52.5/47

Out: -0.008+/-0.007 χ^2/NDF:53.0/54

All: -0.003+/-0.005 χ^2/NDF: 106.7/102

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.609+/-0.007 χ^2/NDF: 7509482.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

Right Out: 26.123+/-0.006 χ^2/NDF: 10829212.8/29

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

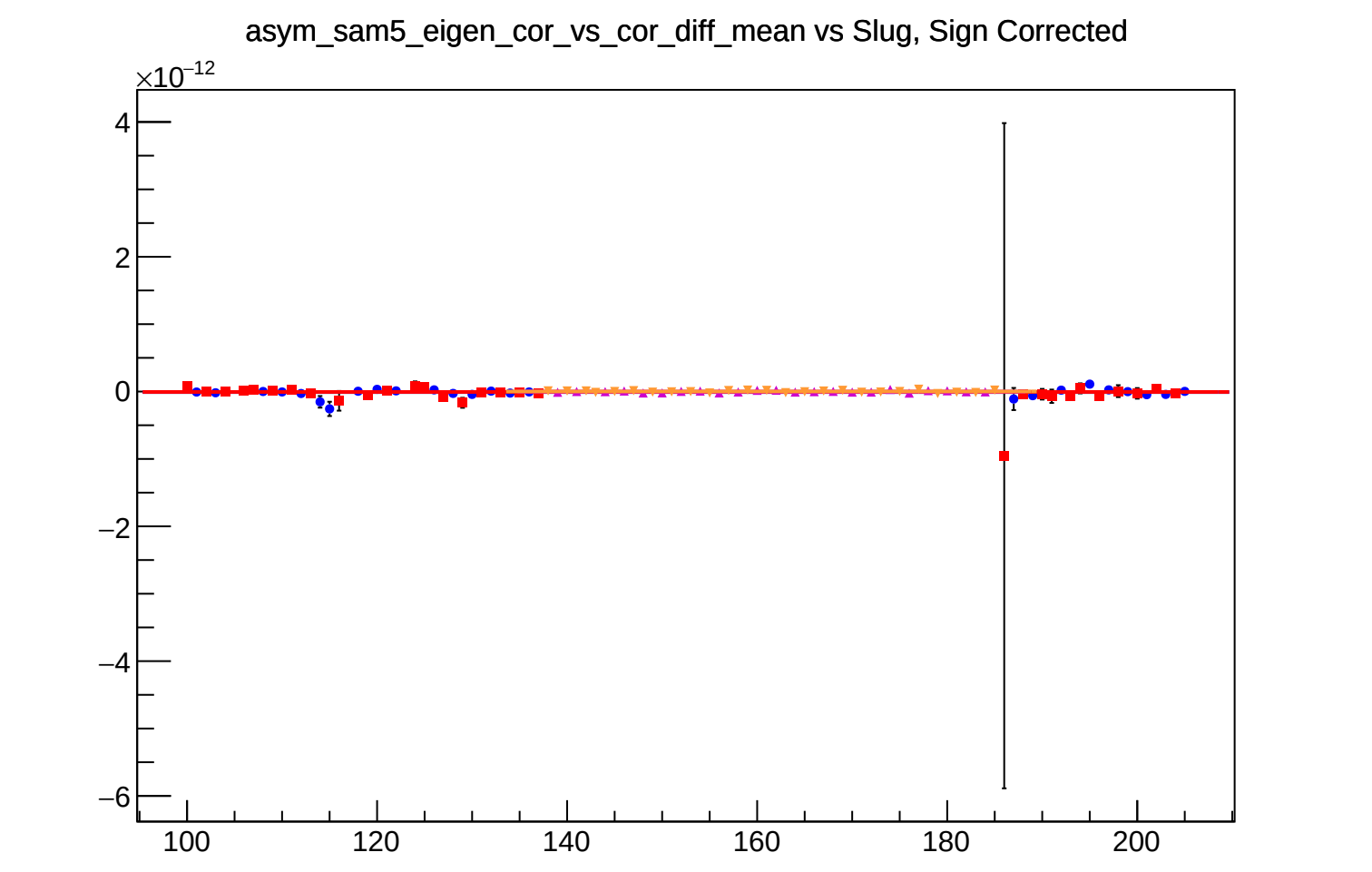
Left: 53.766+/-0.006 χ^2/NDF: 4682976.8/47

Right: 28.076+/-0.005 χ^2/NDF: 18571938.5/54

In: 38.989+/-0.006 χ^2/NDF:13566429.8/47

Out: 34.755+/-0.005 χ^2/NDF:19781659.1/54

All: 36.669+/-0.004 χ^2/NDF: 33662667.0/102



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/29

Left In: -0.000+/-0.000 χ^2/NDF:18.1/22

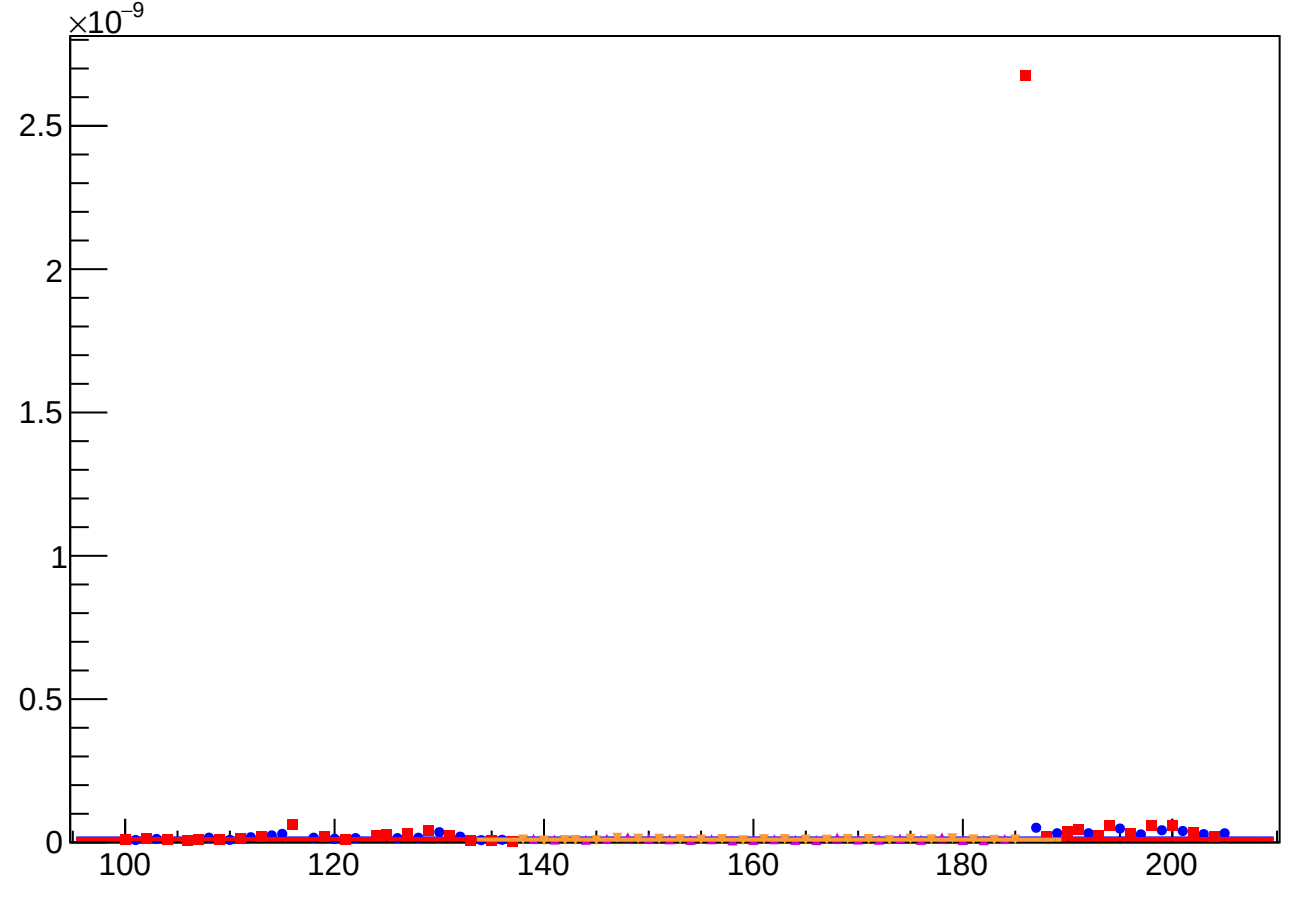
Left: 0.000+/-0.000 χ^2/NDF: 45.7/47

Right: -0.000+/-0.000 χ^2/NDF: 57.2/54

In: -0.000+/-0.000 χ^2/NDF:41.4/47

Out: -0.000+/-0.000 χ^2/NDF:64.3/54

All: -0.000+/-0.000 χ^2/NDF: 106.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 4844560.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7584388.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2523943.3/47

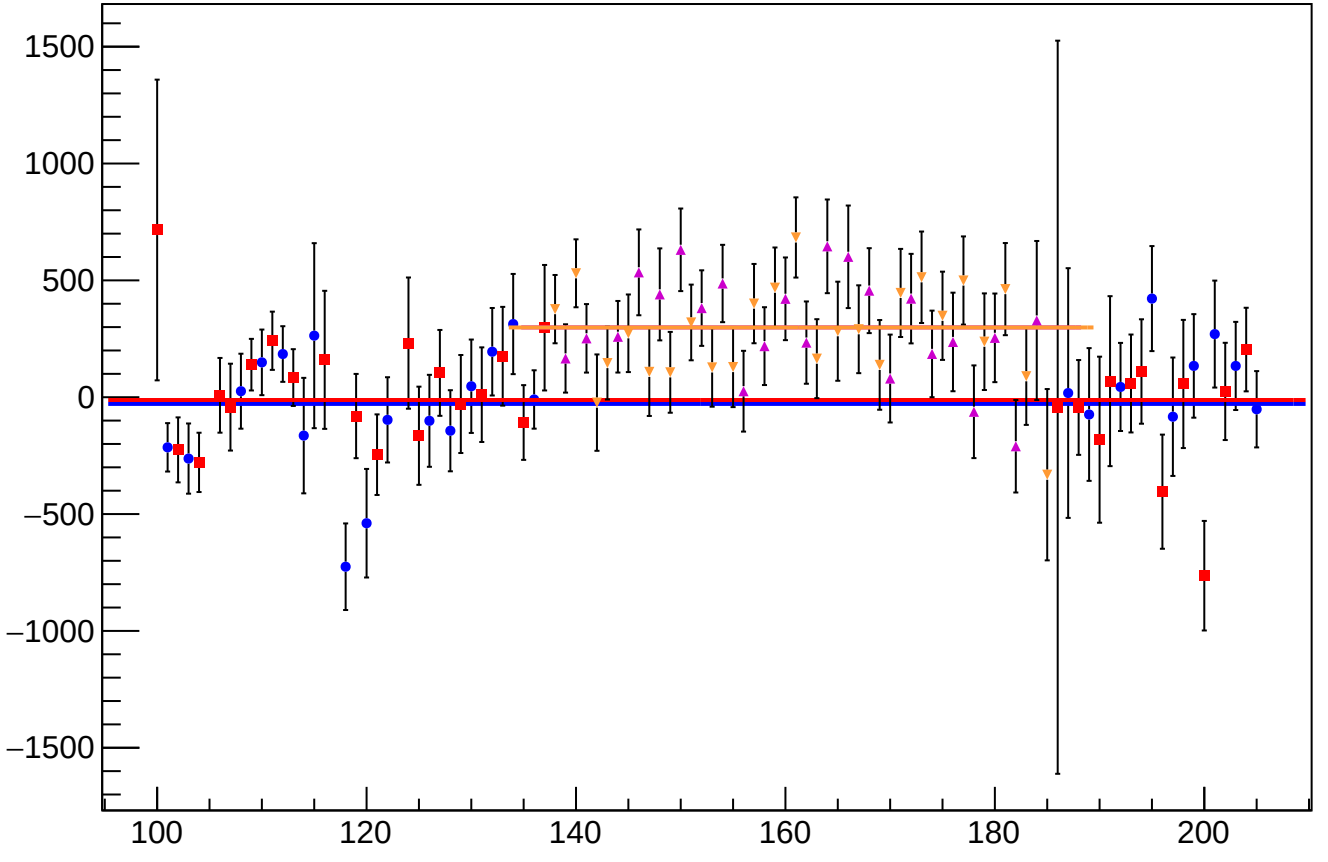
Right: 0.000+/-0.000 χ^2/NDF: 12567787.6/54

In: 0.000+/-0.000 χ^2/NDF:6918190.7/47

Out: 0.000+/-0.000 χ^2/NDF:9099344.7/54

All: 0.000+/-0.000 χ^2/NDF: 16088115.5/102

reg_asym_sam6_mean vs Slug, Sign Corrected



Right In: -28.620+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: -11.909+/-34.348 χ^2/NDF: 36.4/29

Left In: 298.675+/-37.727 χ^2/NDF:29.4/22

Left: 298.592+/-26.064 χ^2/NDF: 55.4/47

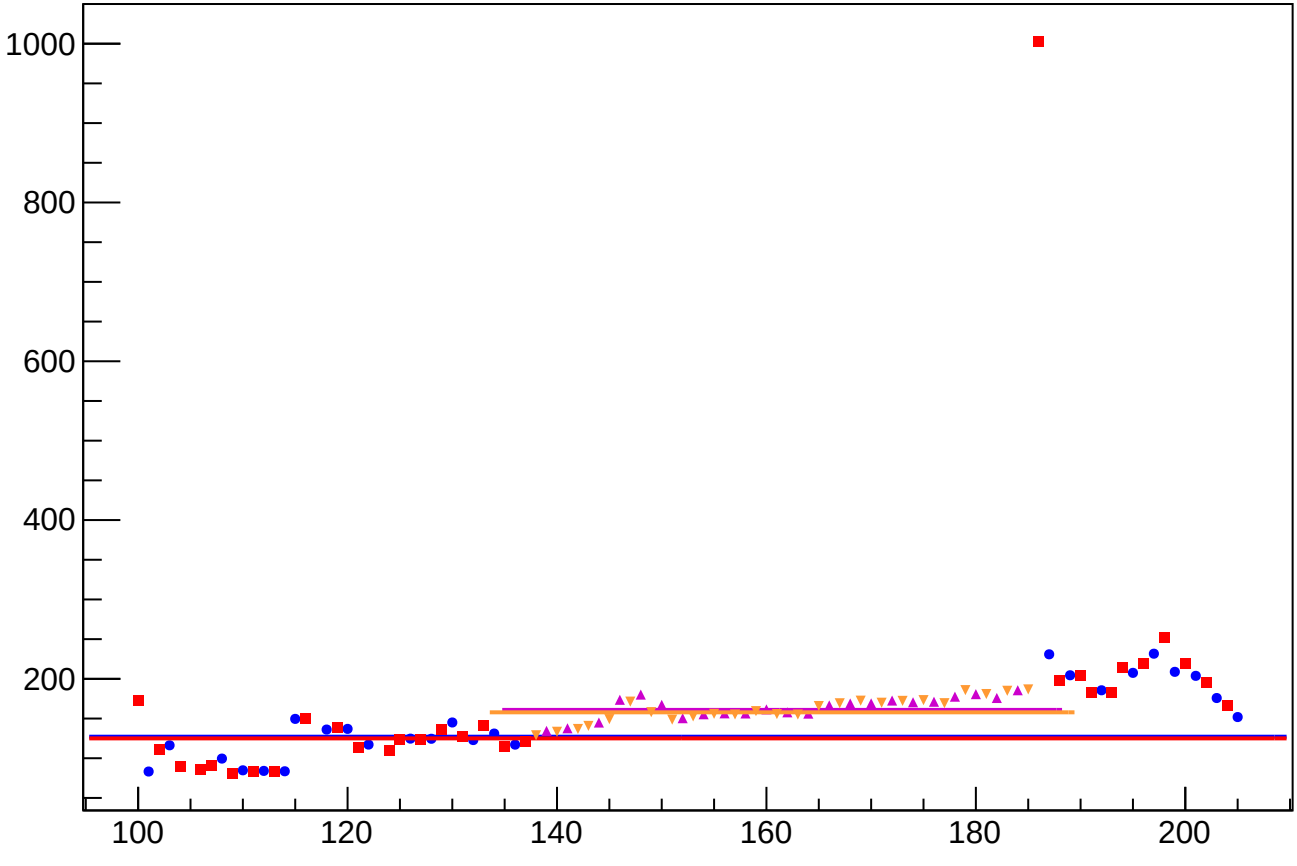
Right: -19.924+/-24.777 χ^2/NDF: 79.0/54

In: 126.351+/-25.960 χ^2/NDF:111.6/47

Out: 135.798+/-24.868 χ^2/NDF:101.2/54

All: 131.278+/-17.958 χ^2/NDF: 212.9/102

reg_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.115+/-0.025 χ^2/NDF: 2674762.9/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 125.014+/-0.024 χ^2/NDF: 4121742.0/29

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

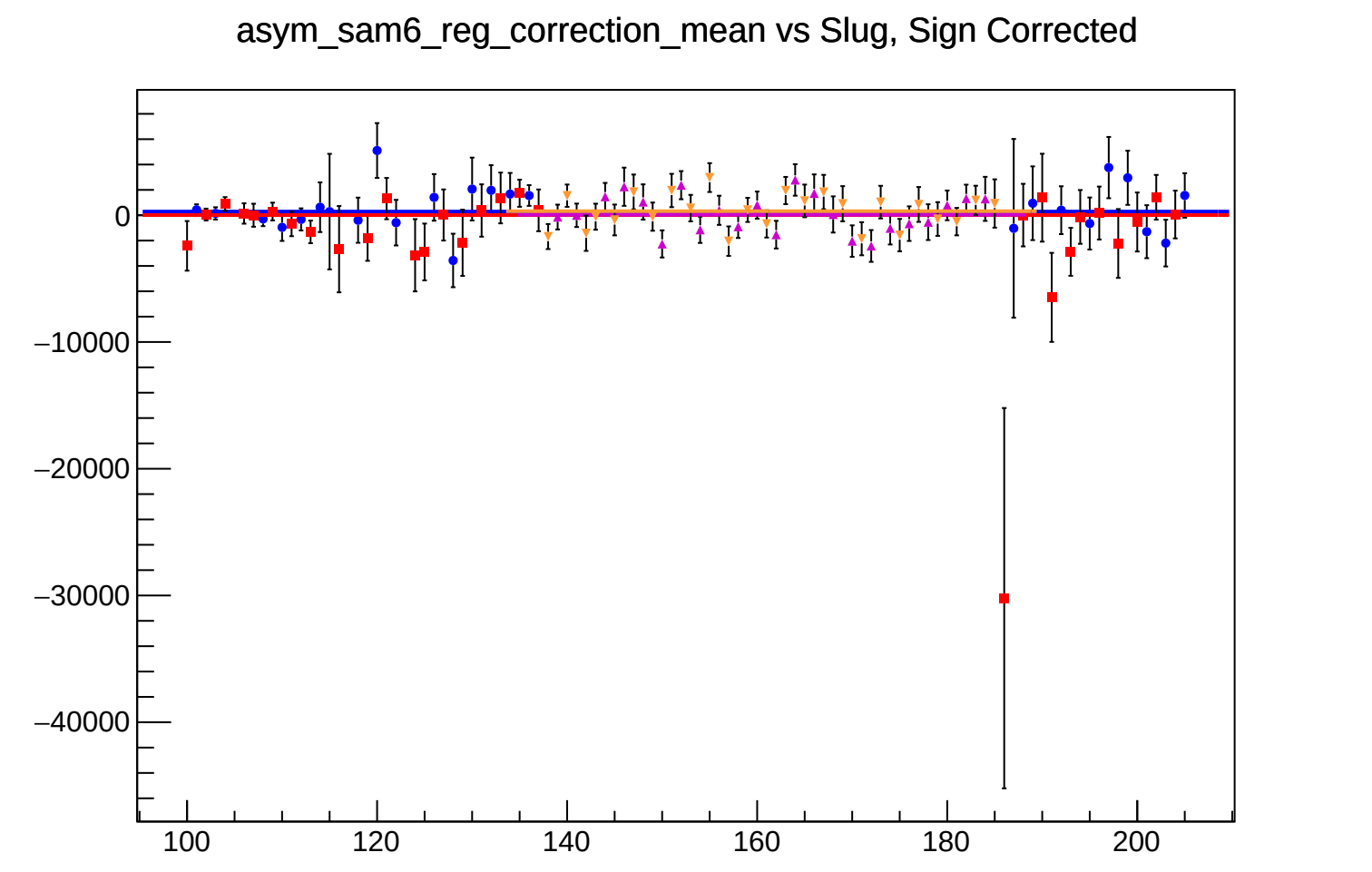
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.022+/-0.018 χ^2/NDF: 6800097.0/54

In: 143.100+/-0.018 χ^2/NDF:3786256.0/47

Out: 140.631+/-0.018 χ^2/NDF:5367973.9/54

All: 141.813+/-0.013 χ^2/NDF: 9163661.2/102



Right In: 290.223+/-219.845 χ^2/NDF: 23.3/24

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 10.544+/-220.641 χ^2/NDF: 27.5/29

Left In: 39.197+/-244.156 χ^2/NDF:34.8/22

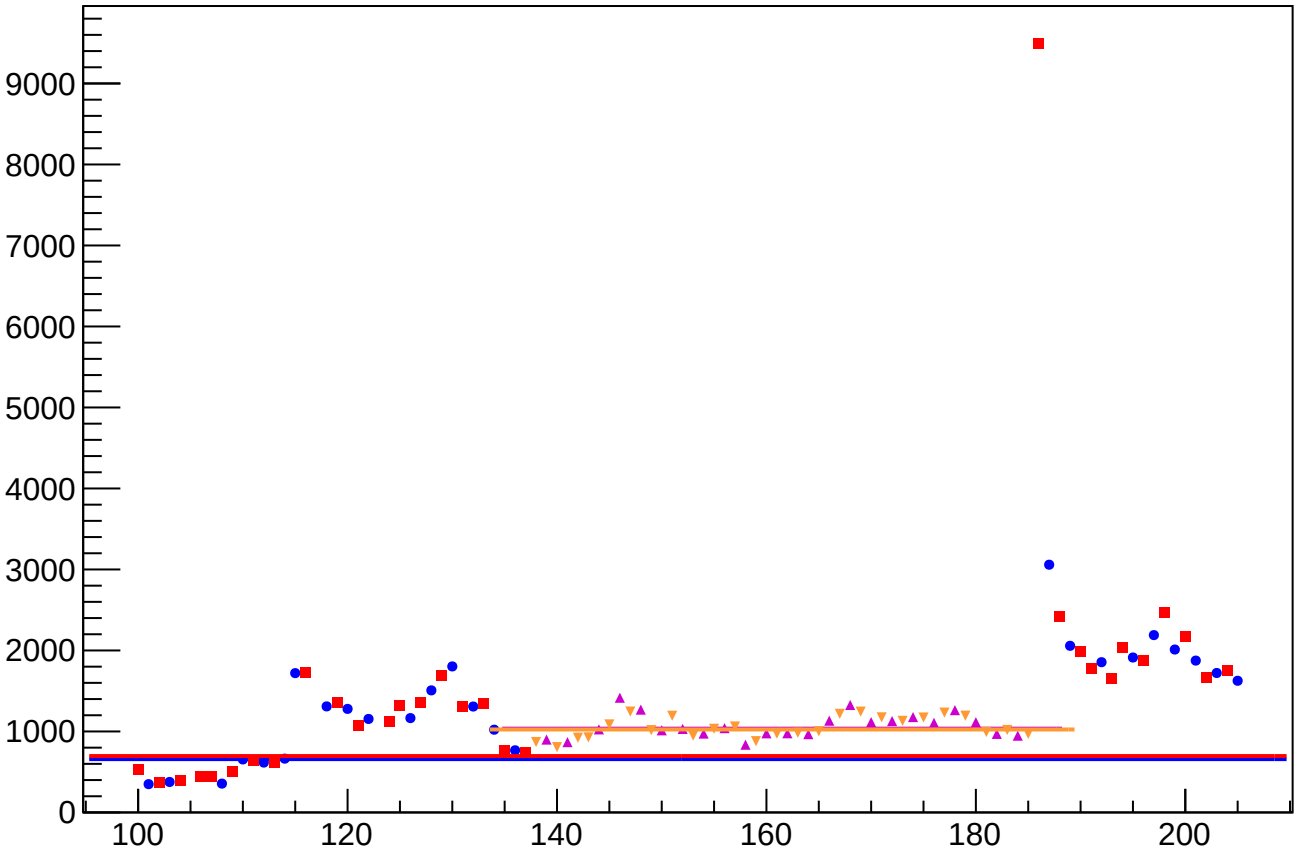
Left: 184.885+/-169.346 χ^2/NDF: 68.0/47

Right: 150.889+/-155.734 χ^2/NDF: 51.6/54

In: 177.827+/-163.375 χ^2/NDF:58.7/47

Out: 155.449+/-160.880 χ^2/NDF:60.9/54

All: 166.466+/-114.631 χ^2/NDF: 119.6/102



Right In: 658.676+/-0.155 χ^2/NDF: 10001732.4/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 696.139+/-0.156 χ^2/NDF: 10729861.9/29

Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

Left: 1029.272+/-0.120 χ^2/NDF: 1227824.8/47

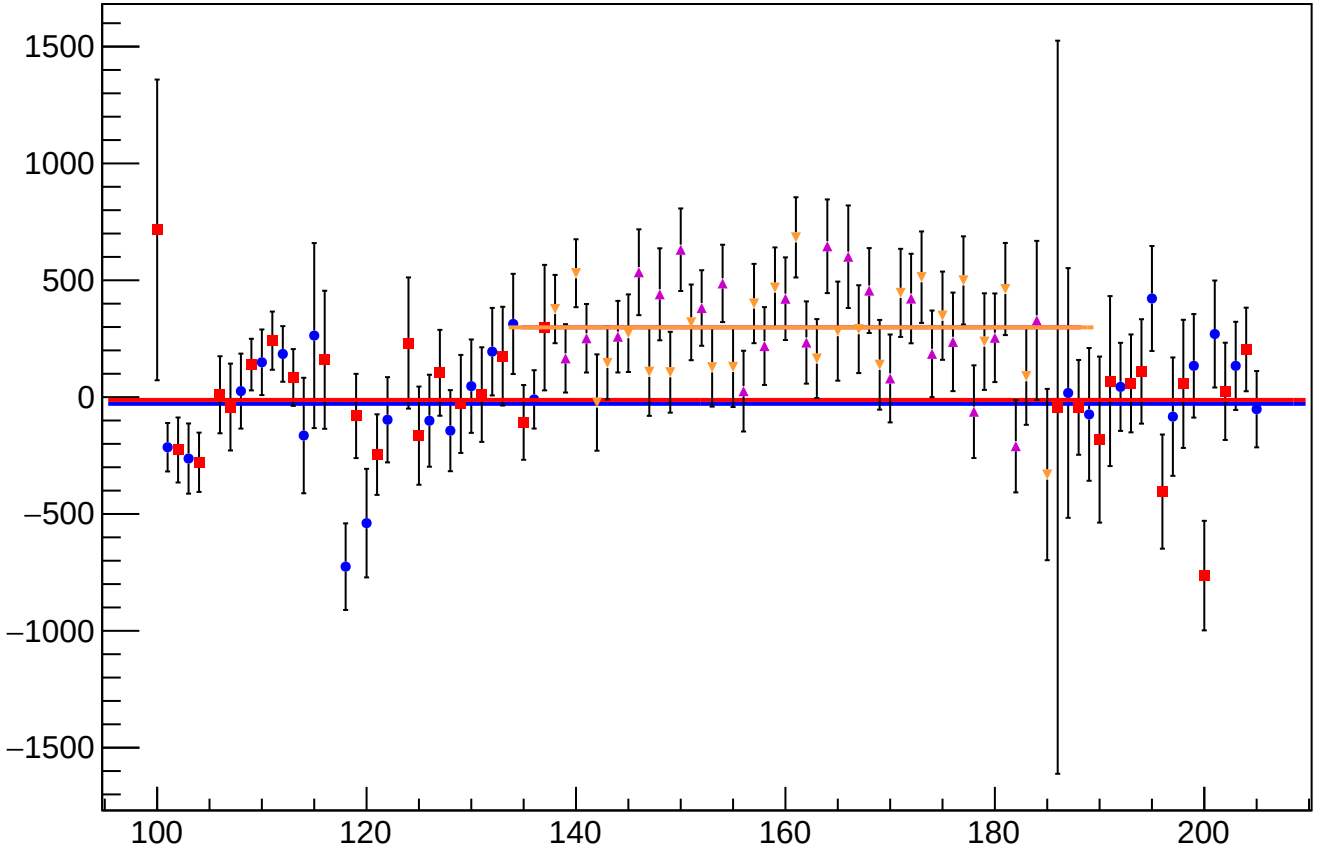
Right: 677.340+/-0.110 χ^2/NDF: 20760528.4/54

In: 826.918+/-0.116 χ^2/NDF:13246183.6/47

Out: 849.920+/-0.114 χ^2/NDF:13401942.4/54

All: 838.596+/-0.081 χ^2/NDF: 26668253.4/10

cor_asym_sam6_mean vs Slug, Sign Corrected



Right In: -28.643+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -11.909+/-34.396 χ^2/NDF: 36.4/29

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

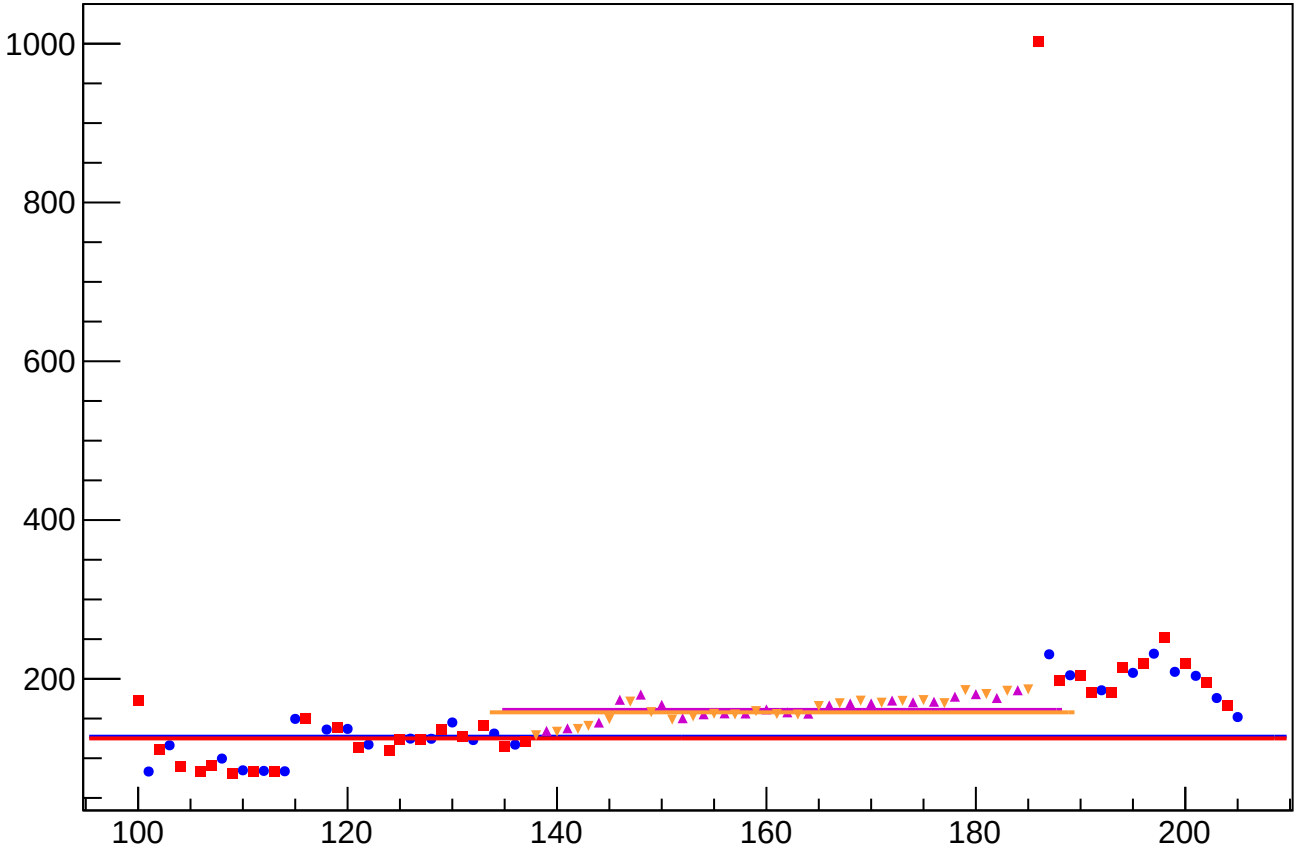
Right: -19.947+/-24.795 χ^2/NDF: 79.0/54

In: 126.343+/-25.960 χ^2/NDF:111.6/47

Out: 136.017+/-24.886 χ^2/NDF:101.2/54

All: 131.384+/-17.965 χ^2/NDF: 212.8/102

cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.115+/-0.025 χ^2/NDF: 2674761.4/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 124.987+/-0.024 χ^2/NDF: 4133312.5/29

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

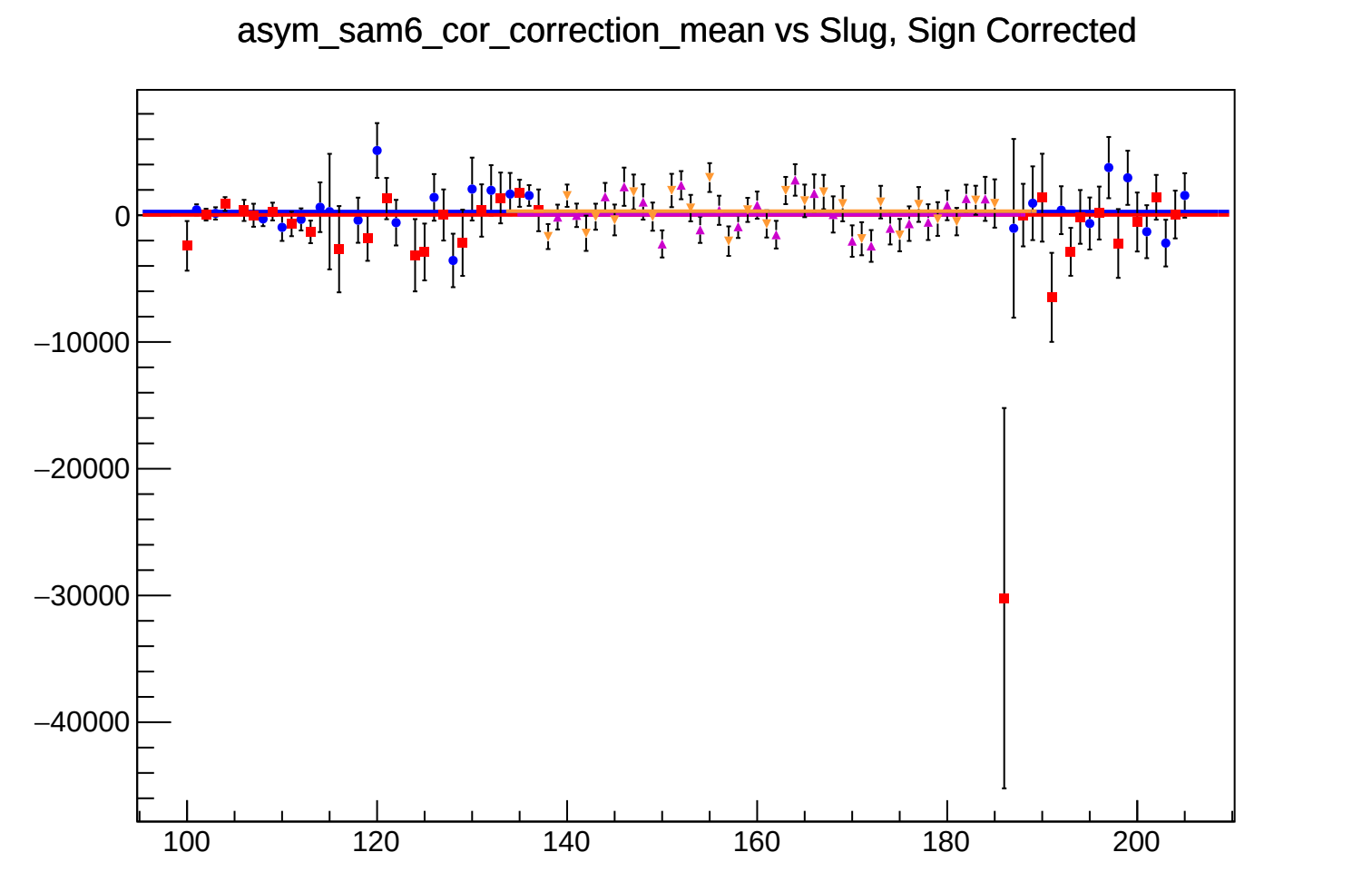
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.009+/-0.018 χ^2/NDF: 6811753.8/54

In: 143.100+/-0.018 χ^2/NDF:3786251.7/47

Out: 140.640+/-0.018 χ^2/NDF:5379805.0/54

All: 141.818+/-0.013 χ^2/NDF: 9175413.4/102



Right In: 290.351+/-219.839 χ^2/NDF: 23.3/24

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 26.231+/-221.178 χ^2/NDF: 27.6/29

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

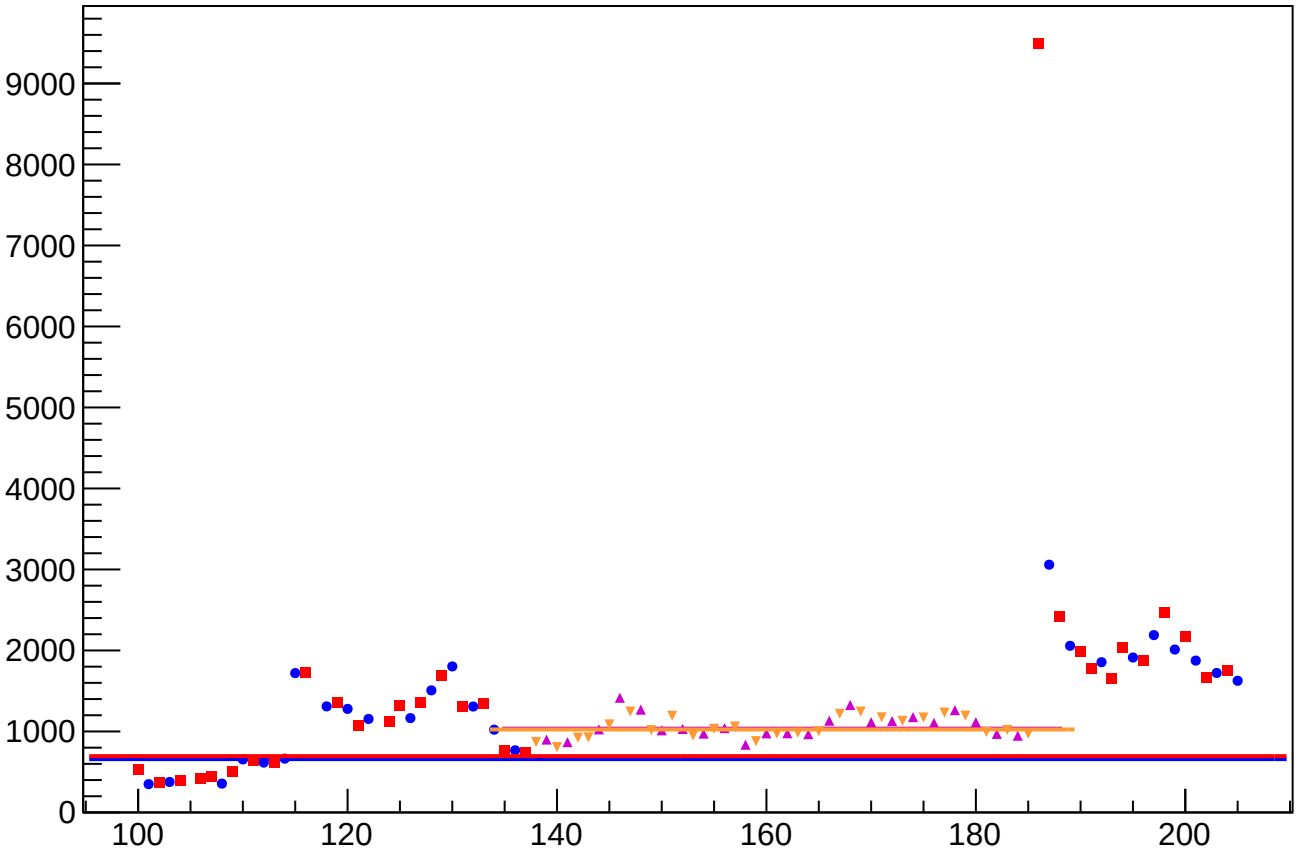
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 159.093+/-155.921 χ^2/NDF: 51.7/54

In: 177.901+/-163.372 χ^2/NDF:58.7/47

Out: 164.149+/-161.088 χ^2/NDF:61.0/54

All: 170.928+/-114.706 χ^2/NDF: 119.7/102



Right In: 658.649+/-0.155 χ^2/NDF: 10002168.6/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 695.368+/-0.156 χ^2/NDF: 10761612.2/29

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

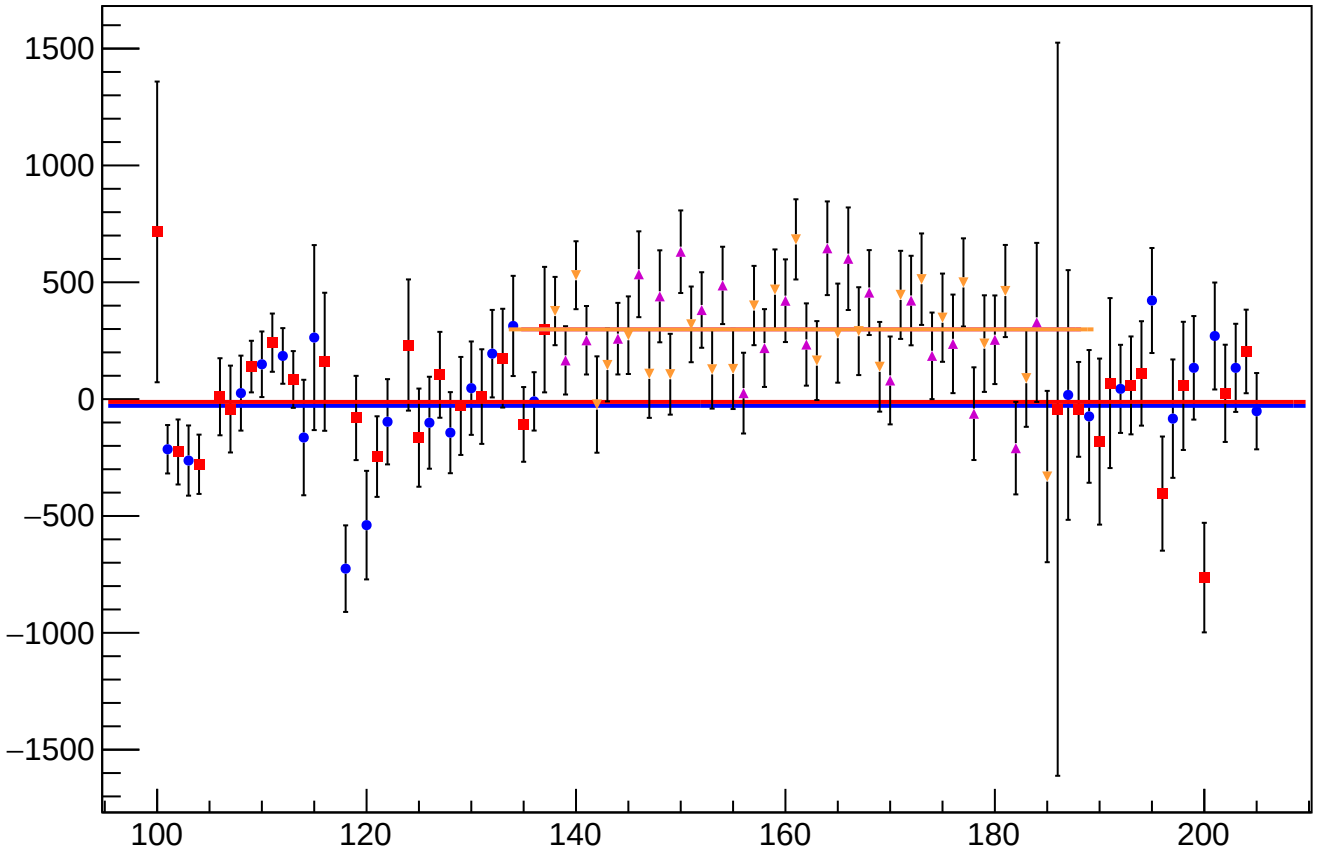
Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

Right: 676.897+/-0.110 χ^2/NDF: 20791508.4/54

In: 826.898+/-0.116 χ^2/NDF:13247054.8/47

Out: 849.909+/-0.114 χ^2/NDF:13438701.5/54

All: 838.566+/-0.081 χ^2/NDF: 26705873.7/10



Right In: -28.643+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: -11.909+/-34.396 χ^2/NDF: 36.4/29

Left In: 298.682+/-37.727 χ^2/NDF:29.4/22

Left: 298.597+/-26.064 χ^2/NDF: 55.4/47

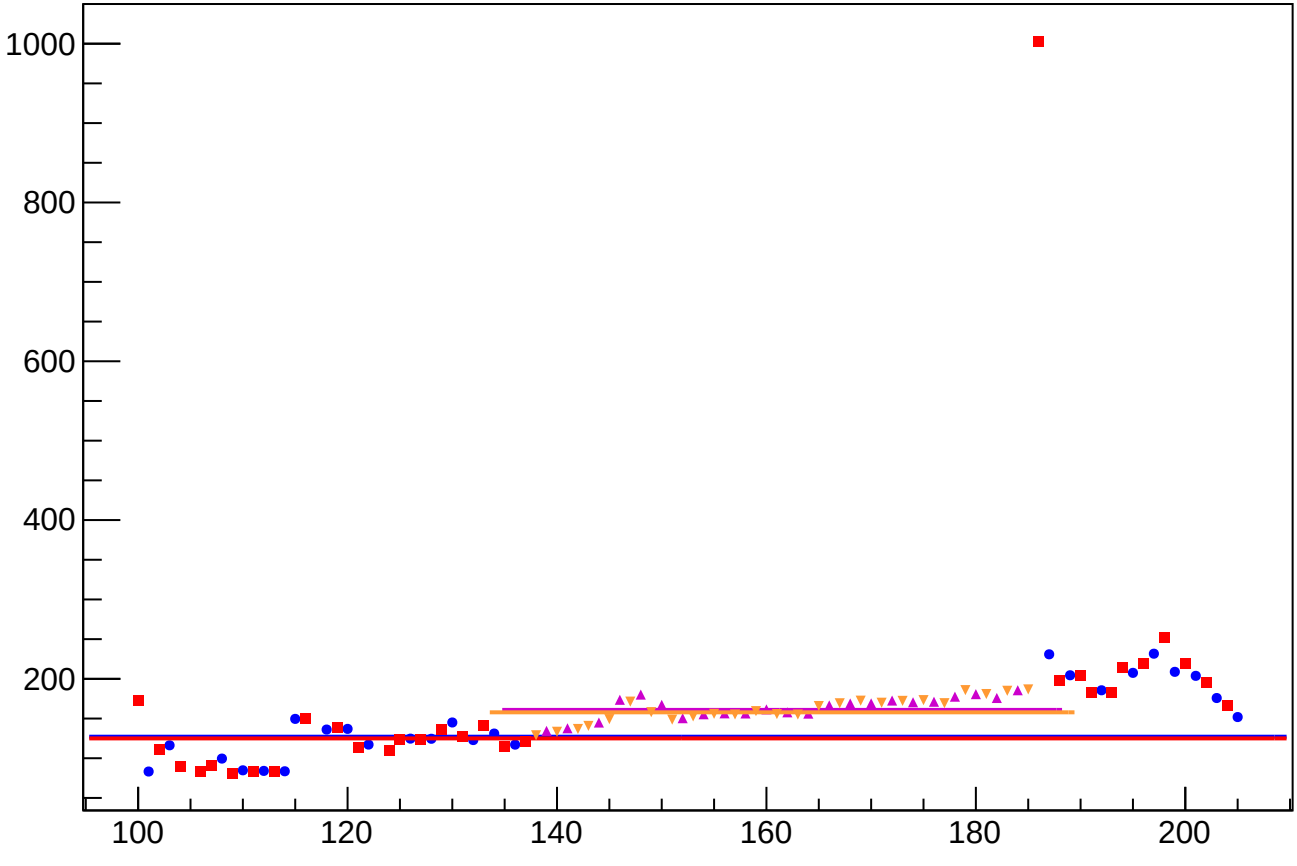
Right: -19.947+/-24.795 χ^2/NDF: 79.0/54

In: 126.343+/-25.960 χ^2/NDF:111.6/47

Out: 136.017+/-24.886 χ^2/NDF:101.2/54

All: 131.384+/-17.965 χ^2/NDF: 212.8/102

eigen_cor_asym_sam6_rms vs Slug, Sign Corrected



Right In: 127.115+/-0.025 χ^2/NDF: 2674761.4/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 124.987+/-0.024 χ^2/NDF: 4133312.5/29

Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

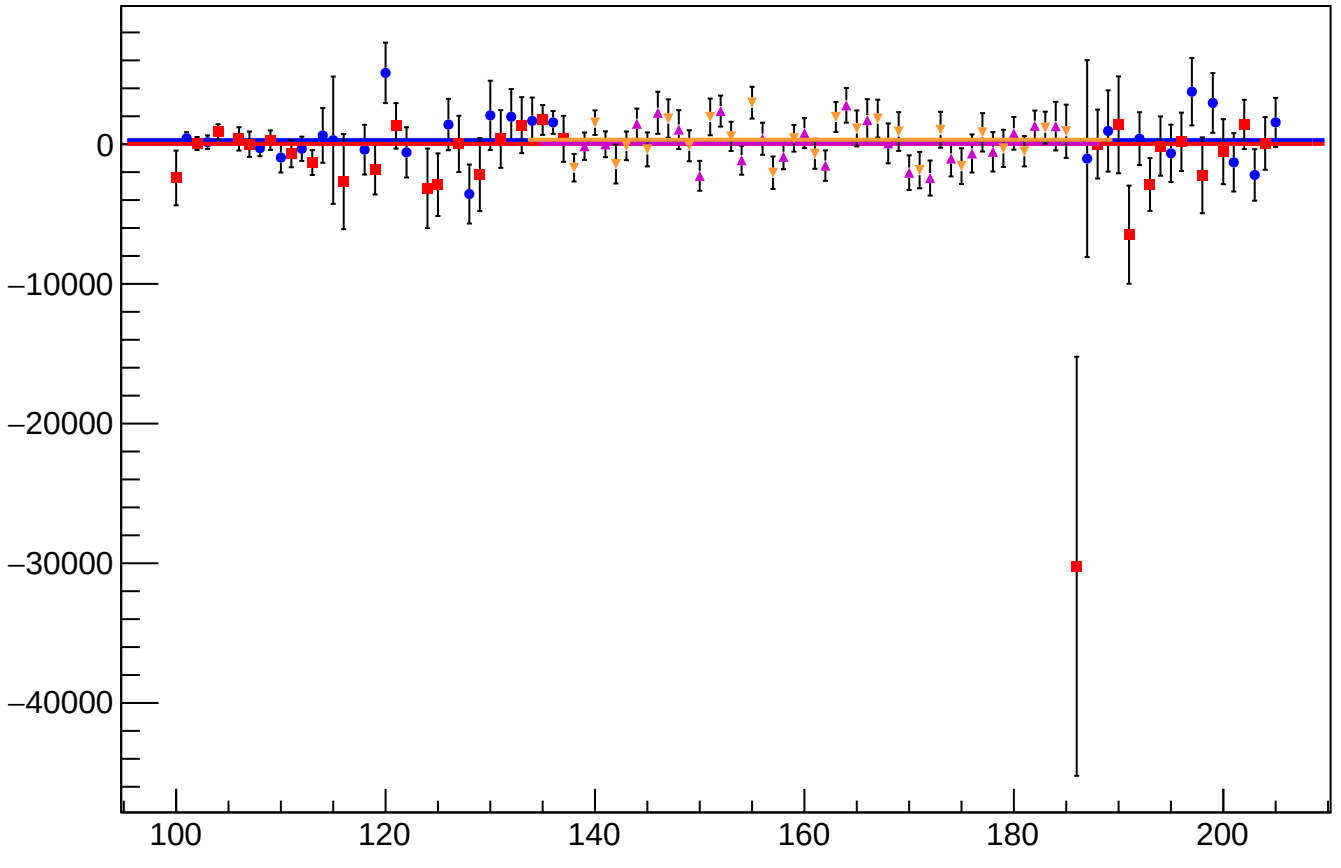
Left: 159.286+/-0.018 χ^2/NDF: 652314.6/47

Right: 126.009+/-0.018 χ^2/NDF: 6811753.8/54

In: 143.100+/-0.018 χ^2/NDF:3786251.7/47

Out: 140.640+/-0.018 χ^2/NDF:5379805.0/54

All: 141.818+/-0.013 χ^2/NDF: 9175413.4/102



Right In: 290.351+/-219.839 χ^2/NDF: 23.3/24

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 26.231+/-221.178 χ^2/NDF: 27.6/29

Left In: 39.198+/-244.156 χ^2/NDF:34.8/22

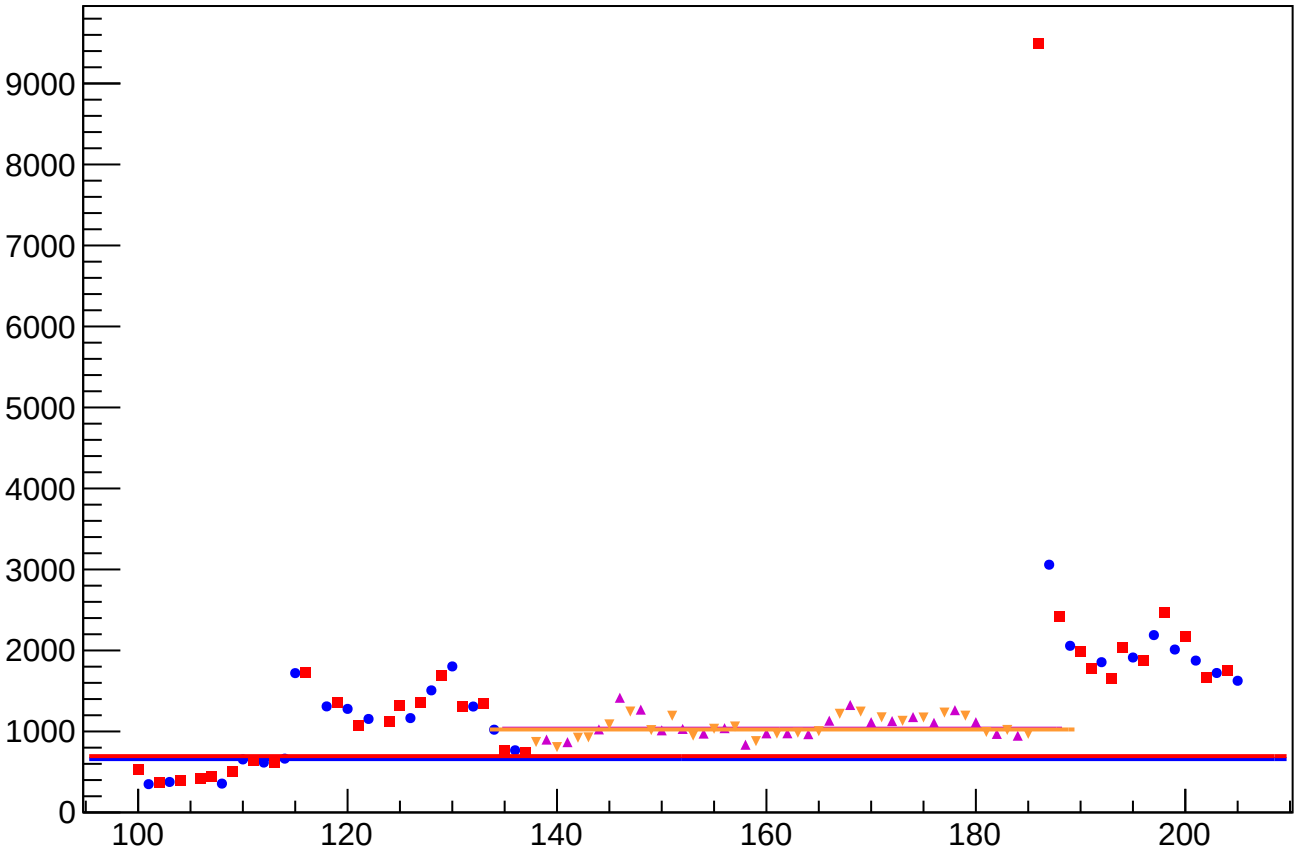
Left: 184.888+/-169.346 χ^2/NDF: 68.0/47

Right: 159.093+/-155.921 χ^2/NDF: 51.7/54

In: 177.901+/-163.372 χ^2/NDF:58.7/47

Out: 164.149+/-161.088 χ^2/NDF:61.0/54

All: 170.928+/-114.706 χ^2/NDF: 119.7/102



Right In: 658.649+/-0.155 χ^2/NDF: 10002168.6/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 695.368+/-0.156 χ^2/NDF: 10761612.2/29

Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

Left: 1029.273+/-0.120 χ^2/NDF: 1227821.8/47

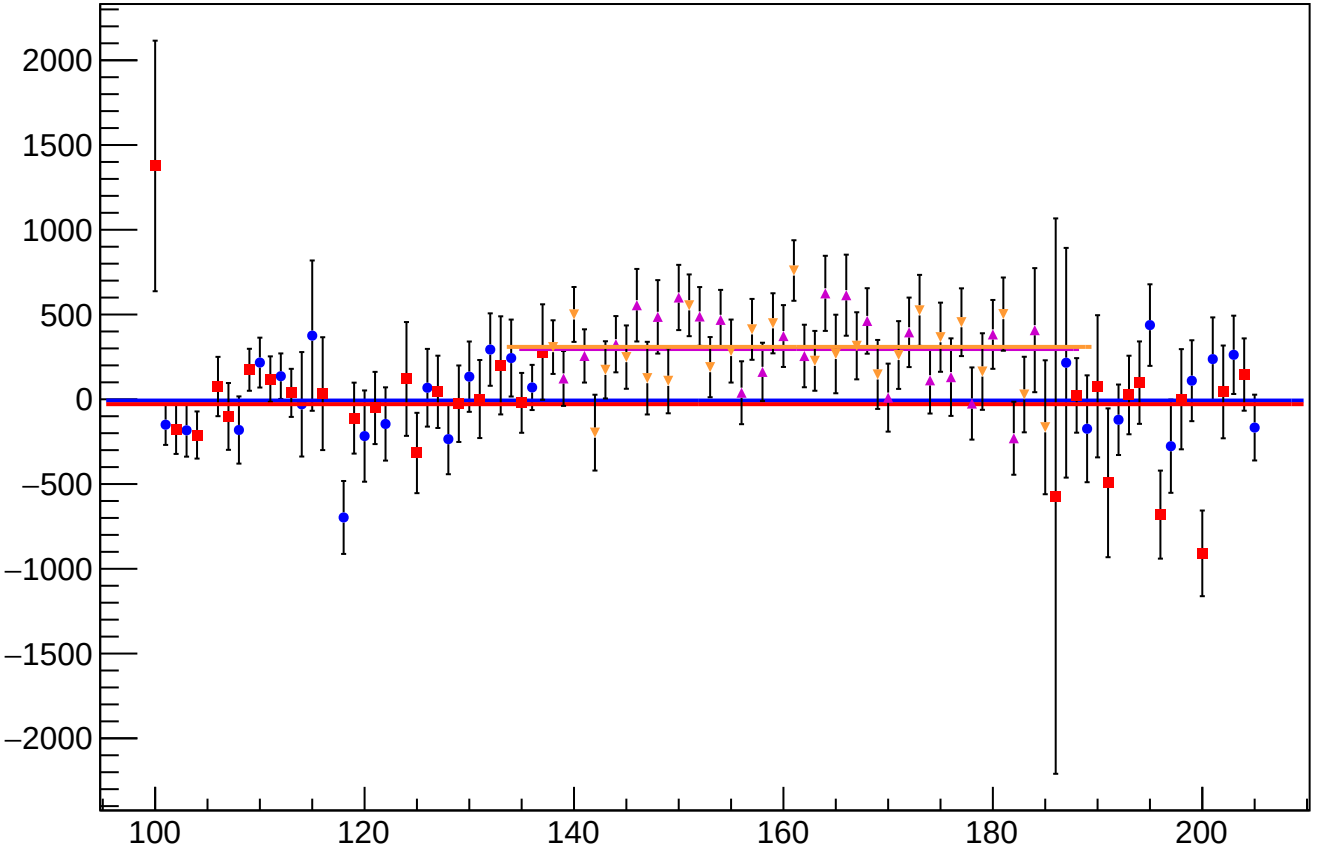
Right: 676.897+/-0.110 χ^2/NDF: 20791508.4/54

In: 826.898+/-0.116 χ^2/NDF:13247054.8/47

Out: 849.909+/-0.114 χ^2/NDF:13438701.5/54

All: 838.566+/-0.081 χ^2/NDF: 26705873.7/10

dit_asym_sam6_mean vs Slug, Sign Corrected



Right In: -7.441+/-40.170 χ^2/NDF: 32.6/24

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: -28.918+/-38.584 χ^2/NDF: 35.6/29

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

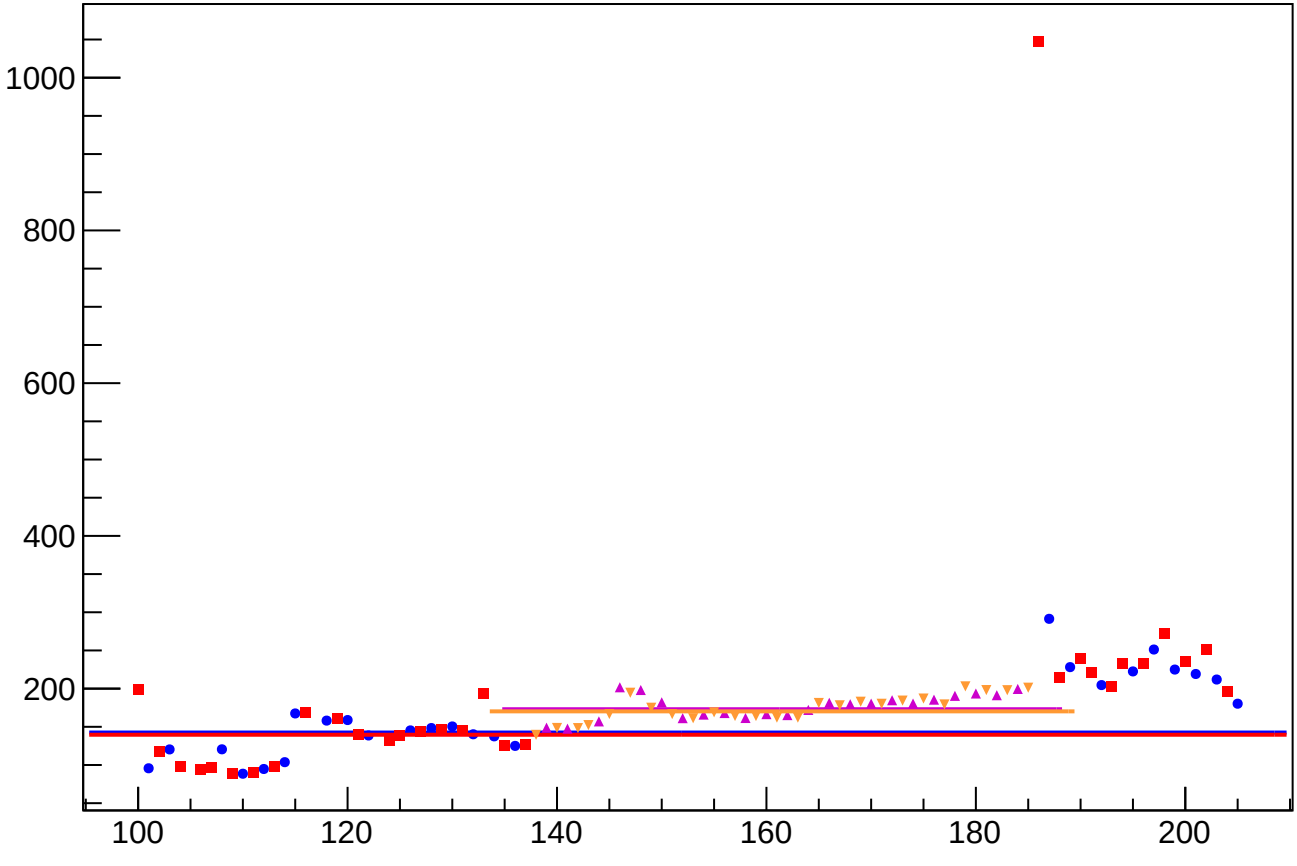
Right: -18.612+/-27.827 χ^2/NDF: 68.4/54

In: 142.883+/-28.557 χ^2/NDF:88.8/47

Out: 138.678+/-27.394 χ^2/NDF:99.2/54

All: 140.693+/-19.769 χ^2/NDF: 188.0/102

dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 142.507+/-0.028 χ^2/NDF: 2637672.7/24

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 139.628+/-0.027 χ^2/NDF: 4287059.5/29

Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

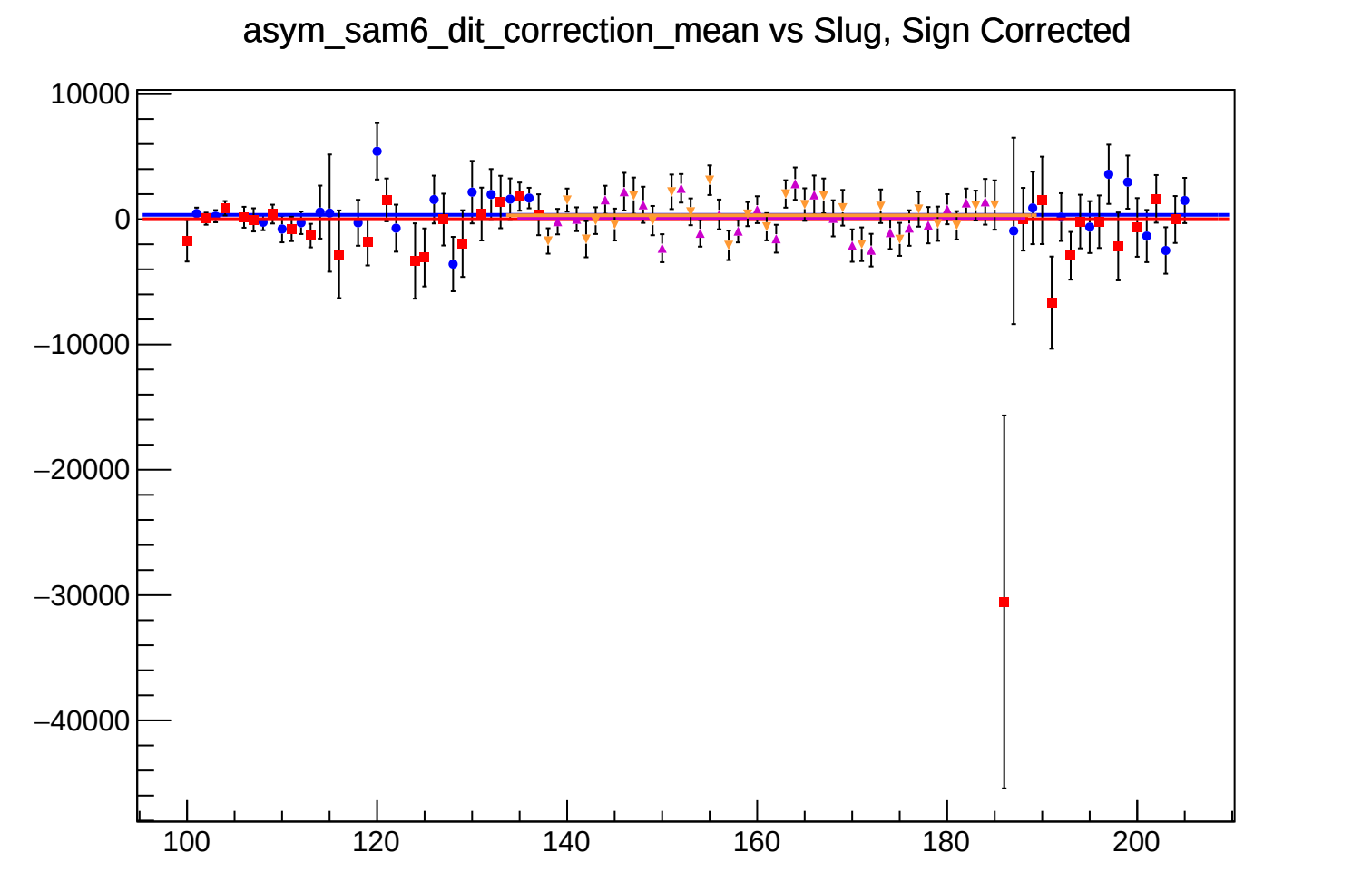
Left: 171.572+/-0.020 χ^2/NDF: 664905.1/47

Right: 141.010+/-0.020 χ^2/NDF: 6930078.3/54

In: 157.600+/-0.020 χ^2/NDF:3502251.3/47

Out: 154.809+/-0.019 χ^2/NDF:5277697.1/54

All: 156.147+/-0.014 χ^2/NDF: 8789899.5/102



Right In: 347.786+/-229.313 χ^2/NDF: 23.3/24

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -3.551+/-228.122 χ^2/NDF: 26.8/29

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

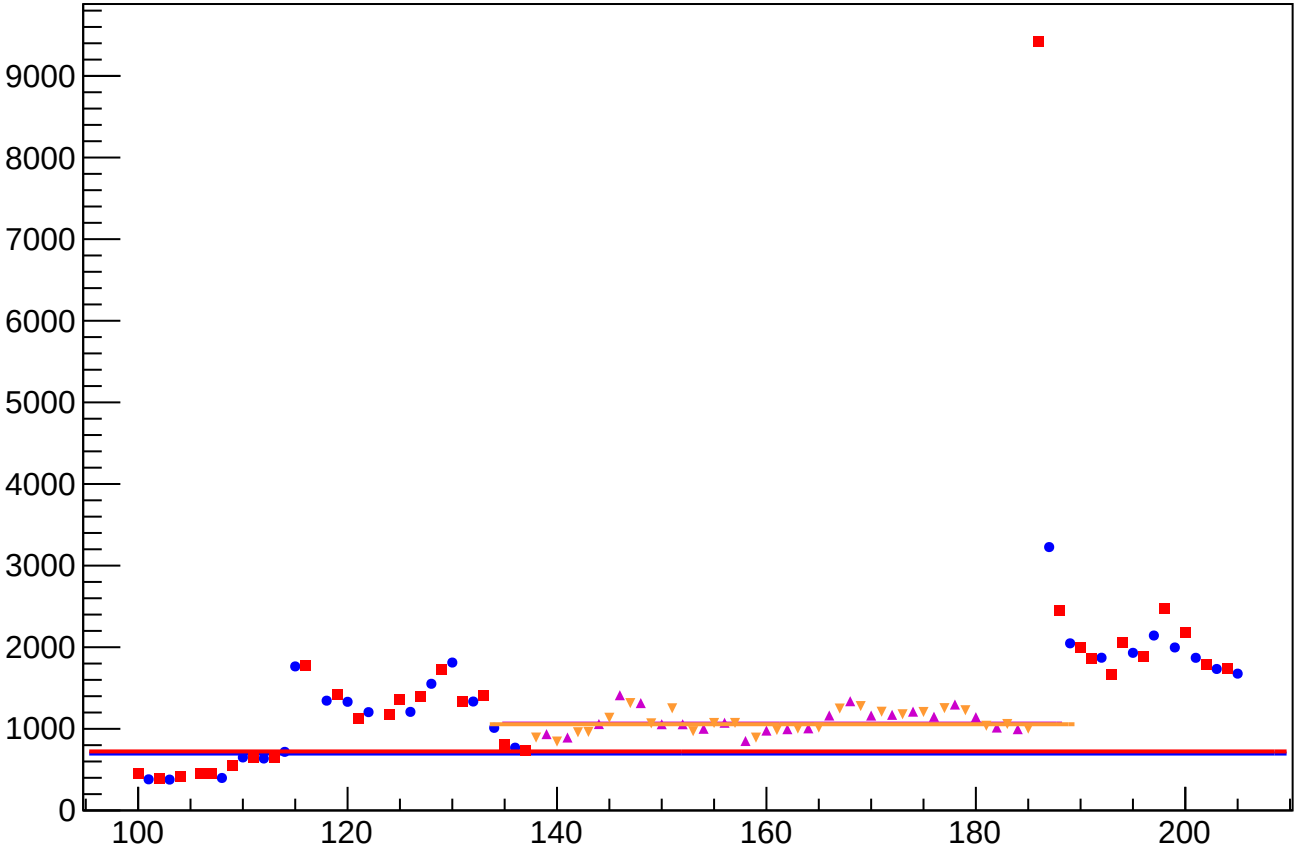
Right: 171.203+/-161.726 χ^2/NDF: 51.4/54

In: 211.201+/-169.375 χ^2/NDF:58.5/47

Out: 145.427+/-166.126 χ^2/NDF:60.6/54

All: 177.677+/-118.601 χ^2/NDF: 119.3/102

asym_sam6_dit_correction_rms vs Slug, Sign Corrected



Right In: 697.179+/-0.162 χ^2/NDF: 9501506.1/24

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 723.194+/-0.161 χ^2/NDF: 10585026.8/29

Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

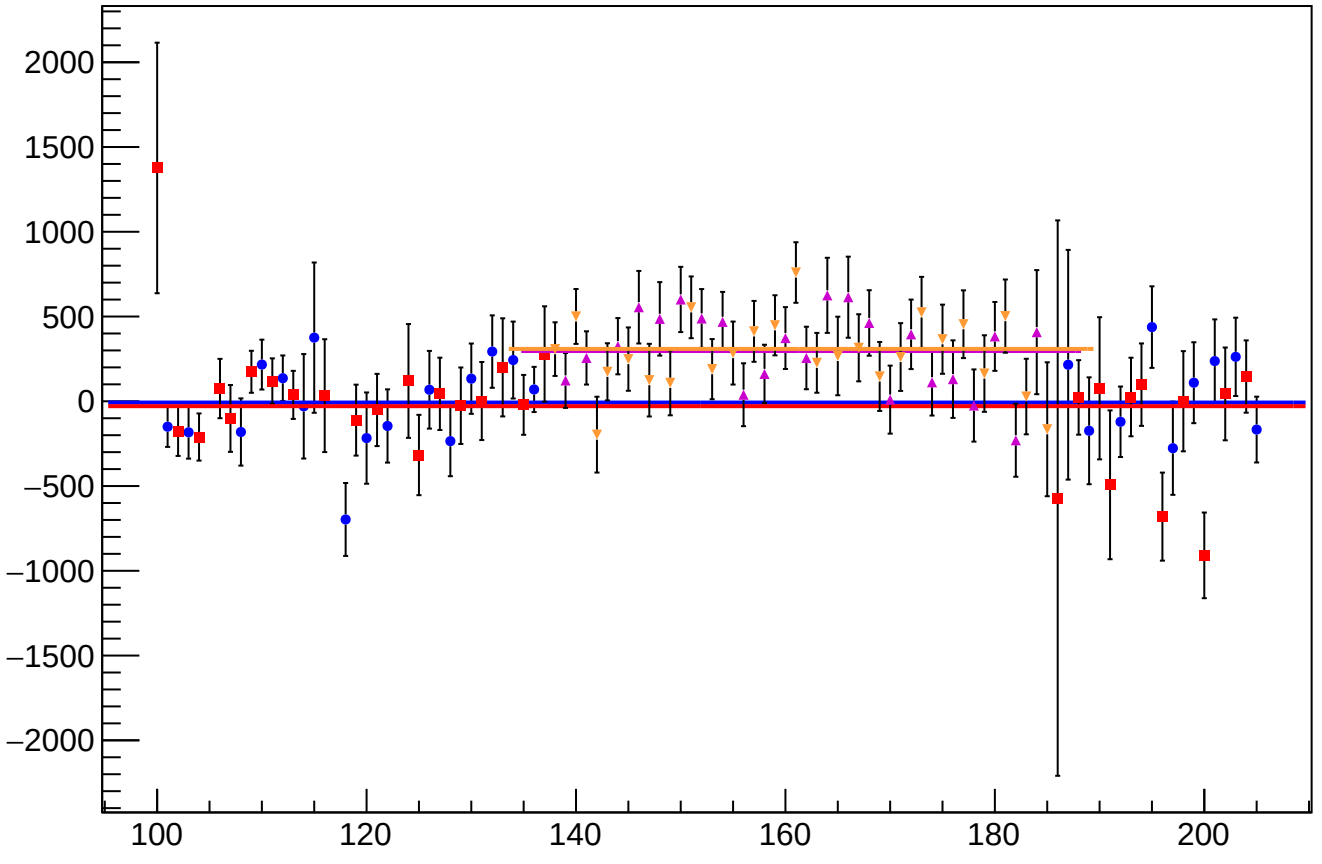
Left: 1060.360+/-0.123 χ^2/NDF: 1222913.7/47

Right: 710.254+/-0.114 χ^2/NDF: 20099470.4/54

In: 864.192+/-0.120 χ^2/NDF:12447076.2/47

Out: 879.660+/-0.117 χ^2/NDF:13198986.3/54

All: 872.076+/-0.084 χ^2/NDF: 25654563.9/10



Right In: -7.443+/-40.170 χ^2/NDF: 32.6/24

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: -28.917+/-38.584 χ^2/NDF: 35.6/29

Left In: 296.497+/-40.607 χ^2/NDF:27.8/22

Left: 303.033+/-28.091 χ^2/NDF: 53.4/47

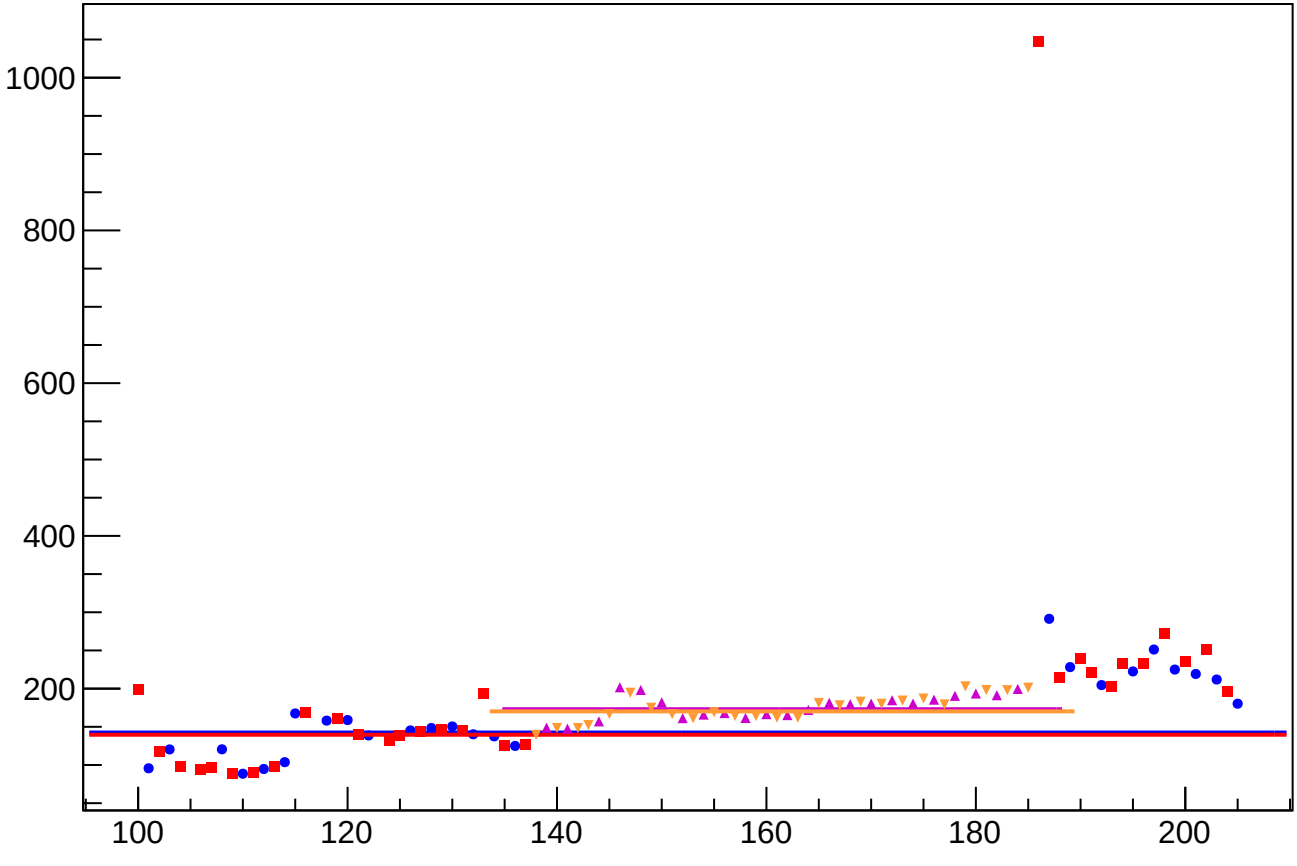
Right: -18.612+/-27.827 χ^2/NDF: 68.4/54

In: 142.883+/-28.557 χ^2/NDF:88.8/47

Out: 138.679+/-27.394 χ^2/NDF:99.2/54

All: 140.693+/-19.769 χ^2/NDF: 188.0/102

eigen_dit_asym_sam6_rms vs Slug, Sign Corrected



Right In: 142.507+/-0.028 χ^2/NDF: 2637690.7/24

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 139.627+/-0.027 χ^2/NDF: 4287065.1/29

Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

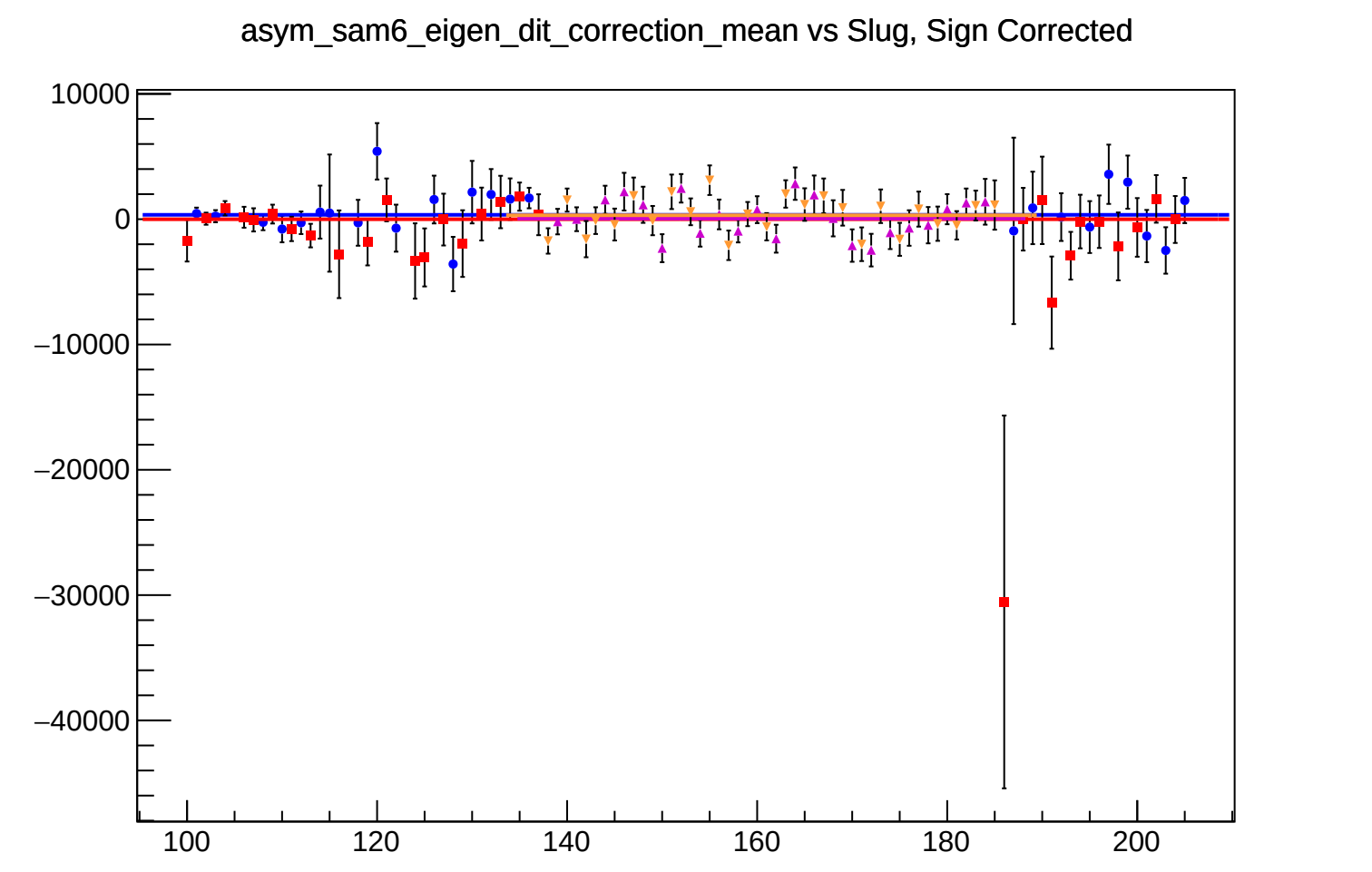
Left: 171.572+/-0.020 χ^2/NDF: 664906.3/47

Right: 141.009+/-0.020 χ^2/NDF: 6930101.8/54

In: 157.600+/-0.020 χ^2/NDF:3502274.4/47

Out: 154.809+/-0.019 χ^2/NDF:5277706.2/54

All: 156.147+/-0.014 χ^2/NDF: 8789931.6/102



Right In: 347.785+/-229.313 χ^2/NDF: 23.3/24

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: -3.550+/-228.122 χ^2/NDF: 26.8/29

Left In: 47.231+/-251.252 χ^2/NDF:34.4/22

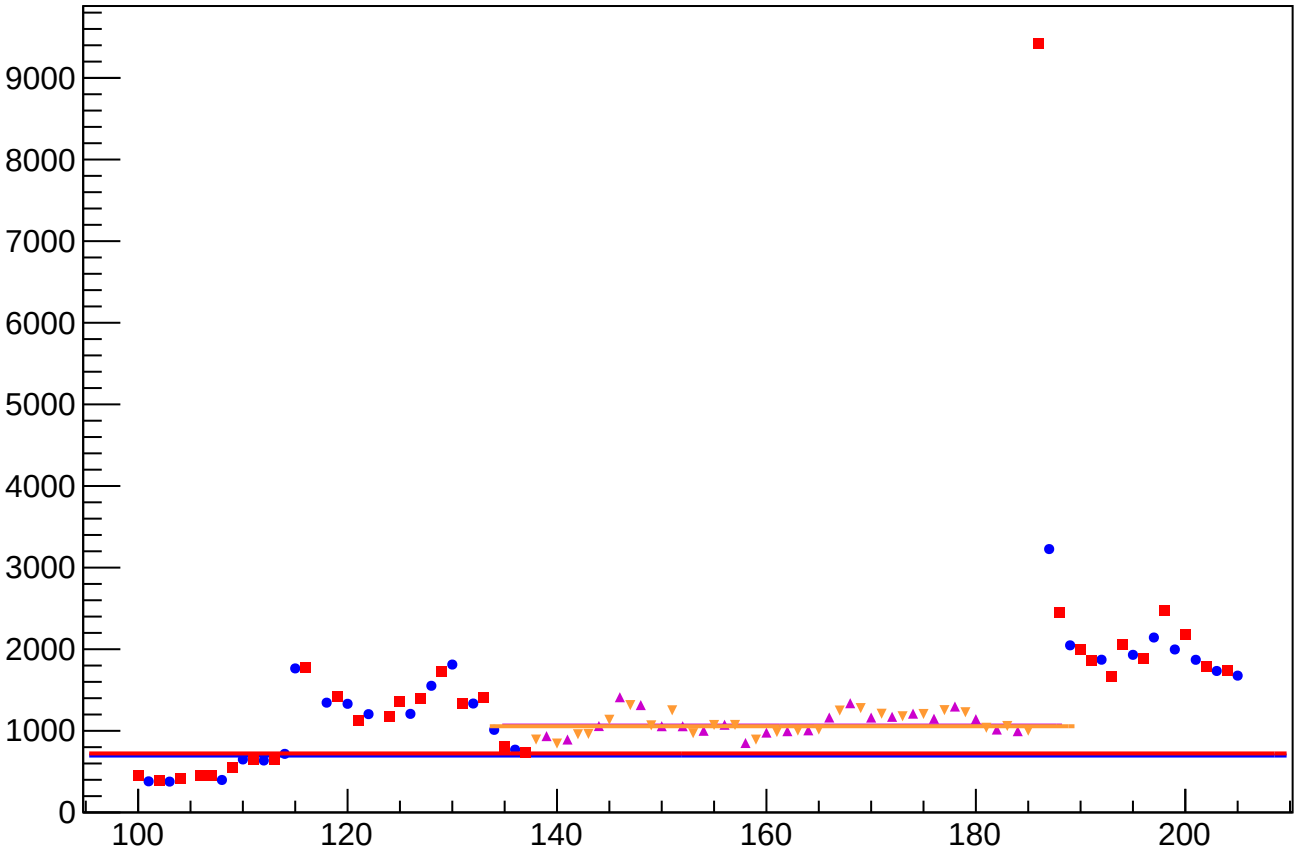
Left: 185.210+/-174.449 χ^2/NDF: 67.9/47

Right: 171.203+/-161.726 χ^2/NDF: 51.4/54

In: 211.201+/-169.375 χ^2/NDF:58.5/47

Out: 145.428+/-166.126 χ^2/NDF:60.6/54

All: 177.677+/-118.601 χ^2/NDF: 119.3/102



Right In: 697.178+/-0.162 χ^2/NDF: 9501516.3/24

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 723.193+/-0.161 χ^2/NDF: 10585030.8/29

Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

Left: 1060.360+/-0.123 χ^2/NDF: 1222922.4/47

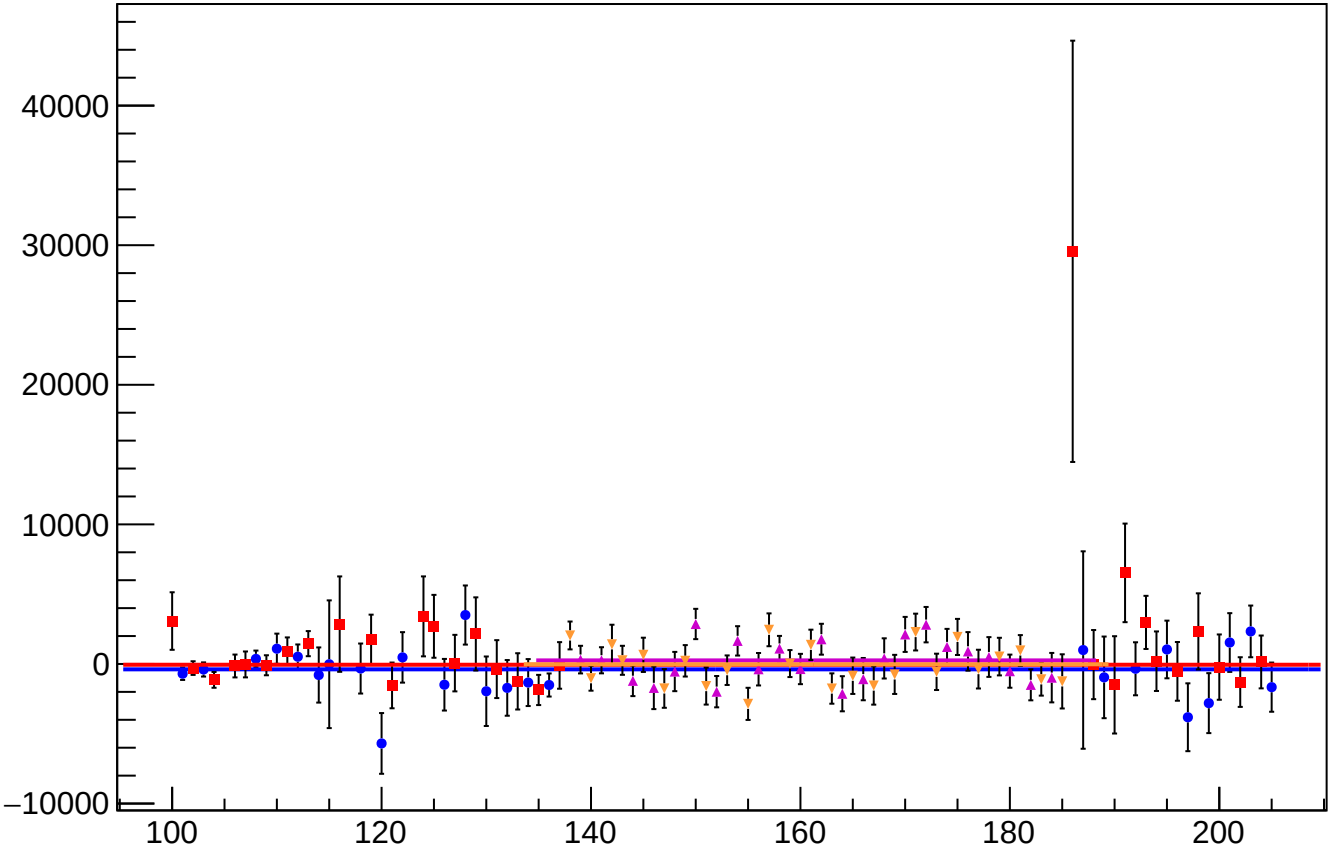
Right: 710.253+/-0.114 χ^2/NDF: 20099485.0/54

In: 864.191+/-0.120 χ^2/NDF:12447103.6/47

Out: 879.659+/-0.117 χ^2/NDF:13199006.4/54

All: 872.075+/-0.084 χ^2/NDF: 25654611.7/10

asym_sam6_mean vs Slug, Sign Corrected



Right In: -385.661+/-225.881 χ^2/NDF: 25.3/24

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -55.896+/-225.978 χ^2/NDF: 30.9/29

Left In: 255.399+/-247.203 χ^2/NDF:33.6/22

Left: 111.496+/-171.442 χ^2/NDF: 68.7/47

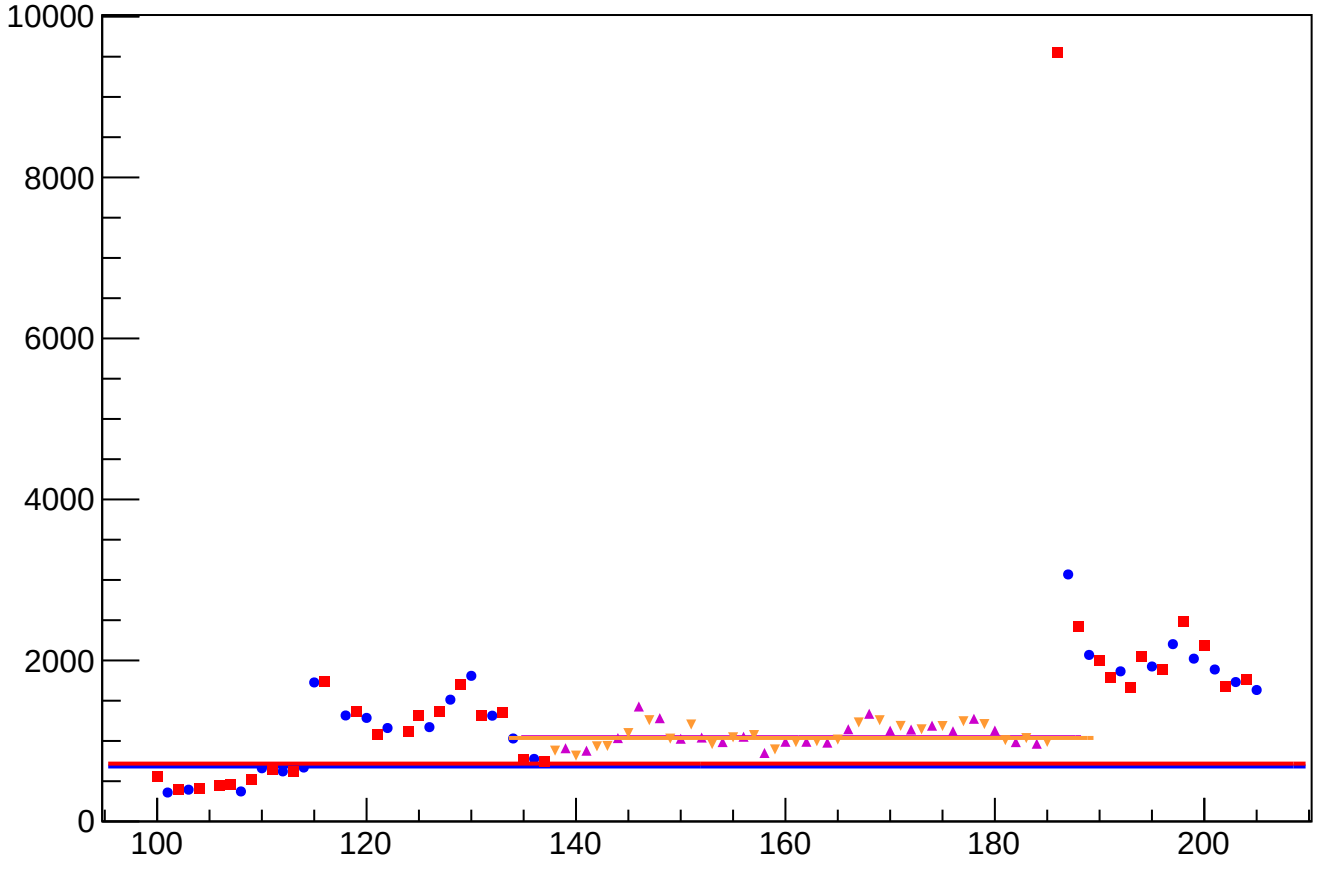
Right: -220.849+/-159.756 χ^2/NDF: 57.2/54

In: -93.965+/-166.751 χ^2/NDF:62.5/47

Out: -39.758+/-163.867 χ^2/NDF:65.4/54

All: -66.388+/-116.878 χ^2/NDF: 127.9/102

asym_sam6_rms vs Slug, Sign Corrected



Right In: 682.833+/-0.160 χ^2/NDF: 9673591.5/24

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 718.549+/-0.160 χ^2/NDF: 10430926.1/29

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

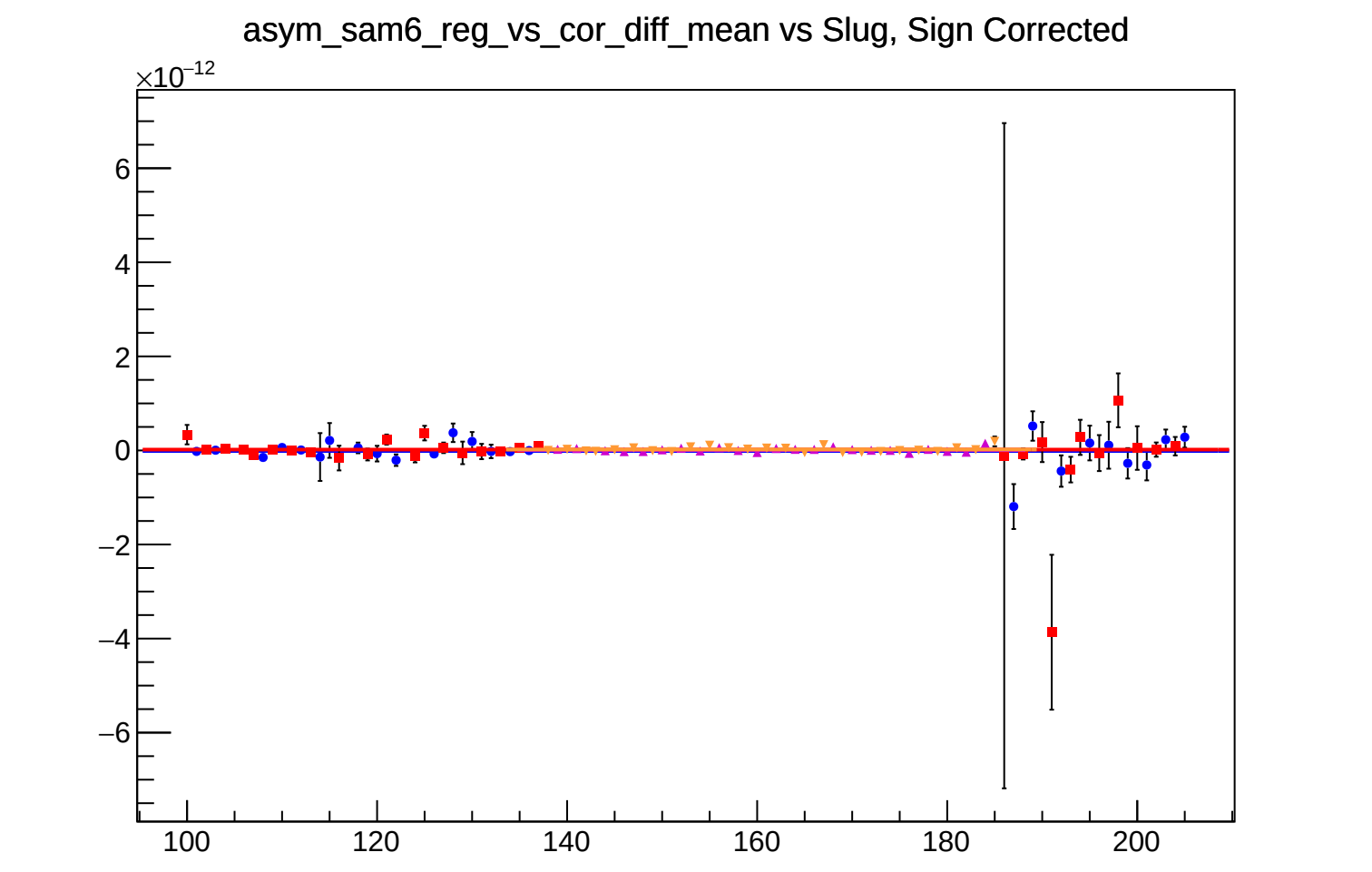
Left: 1042.281+/-0.121 χ^2/NDF: 1200672.6/47

Right: 700.684+/-0.113 χ^2/NDF: 20129508.0/54

In: 848.823+/-0.118 χ^2/NDF:12660522.9/47

Out: 869.701+/-0.116 χ^2/NDF:12903547.5/54

All: 859.444+/-0.083 χ^2/NDF: 25580020.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.7/29

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

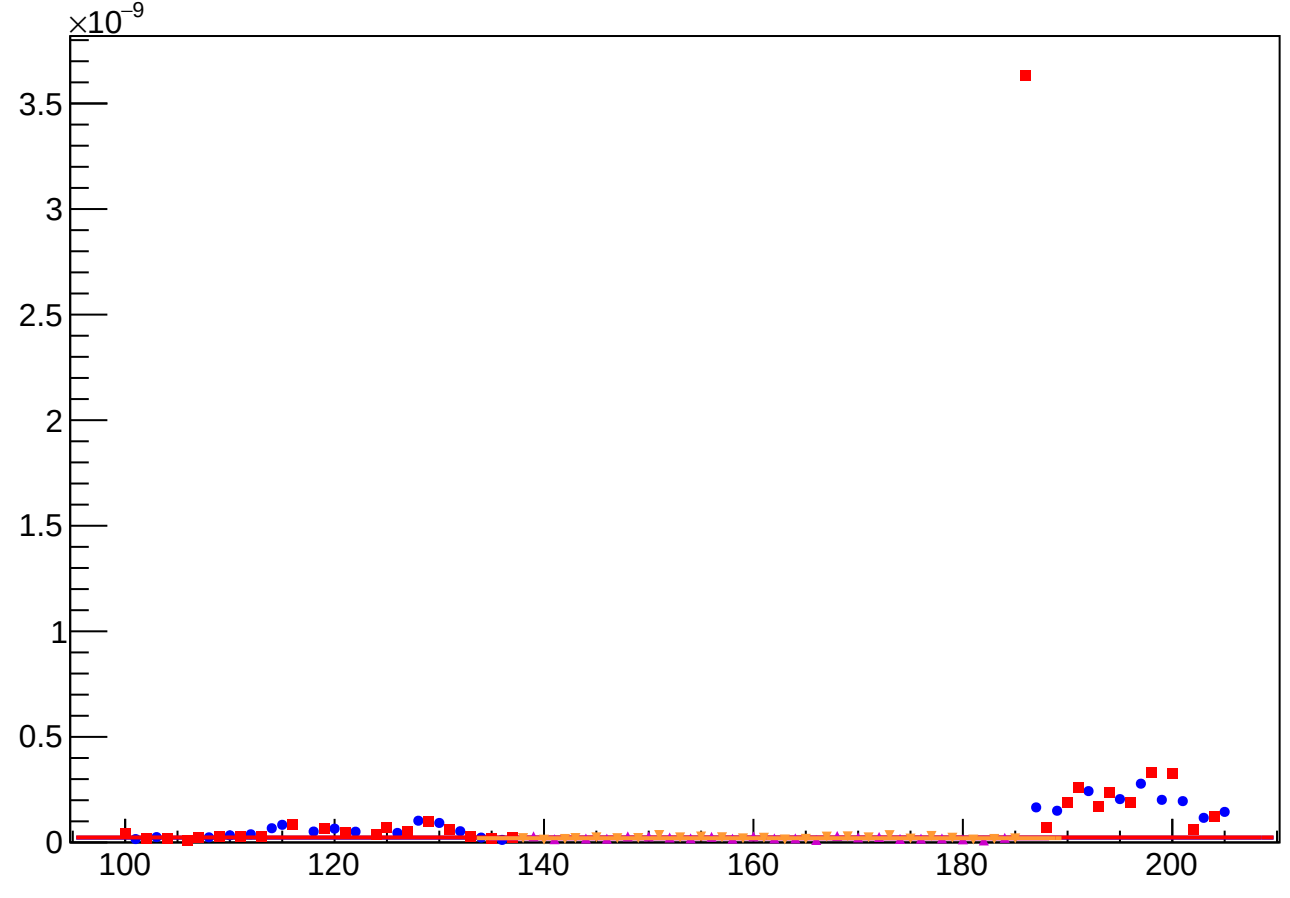
Left: 0.000+/-0.000 χ^2/NDF: 50.1/47

Right: 0.000+/-0.000 χ^2/NDF: 66.6/54

In: 0.000+/-0.000 χ^2/NDF:51.5/47

Out: 0.000+/-0.000 χ^2/NDF:62.7/54

All: 0.000+/-0.000 χ^2/NDF: 117.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 6638472.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6780419.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

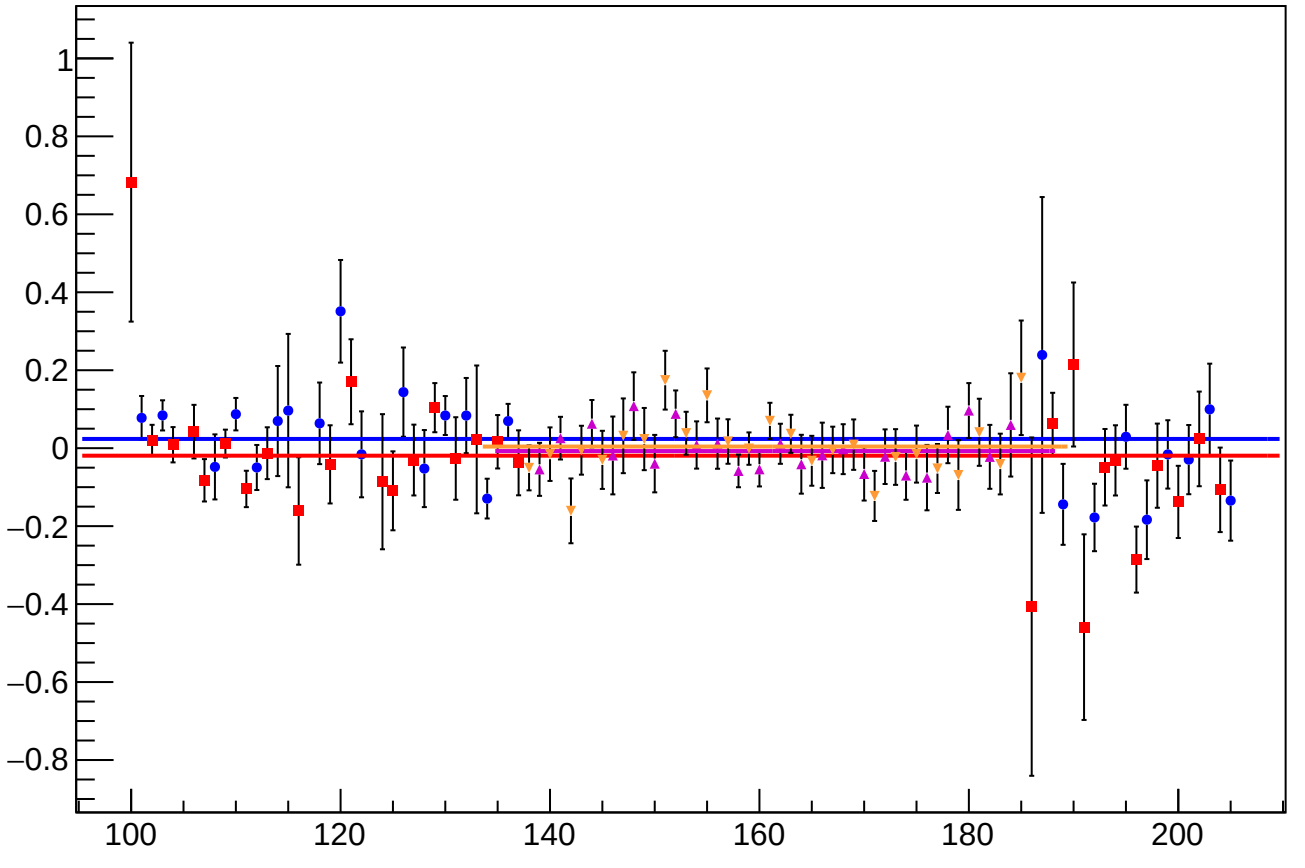
Left: 0.000+/-0.000 χ^2/NDF: 2058189.4/47

Right: 0.000+/-0.000 χ^2/NDF: 13426506.2/54

In: 0.000+/-0.000 χ^2/NDF:7790869.9/47

Out: 0.000+/-0.000 χ^2/NDF:7879914.9/54

All: 0.000+/-0.000 χ^2/NDF: 15689923.1/102



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

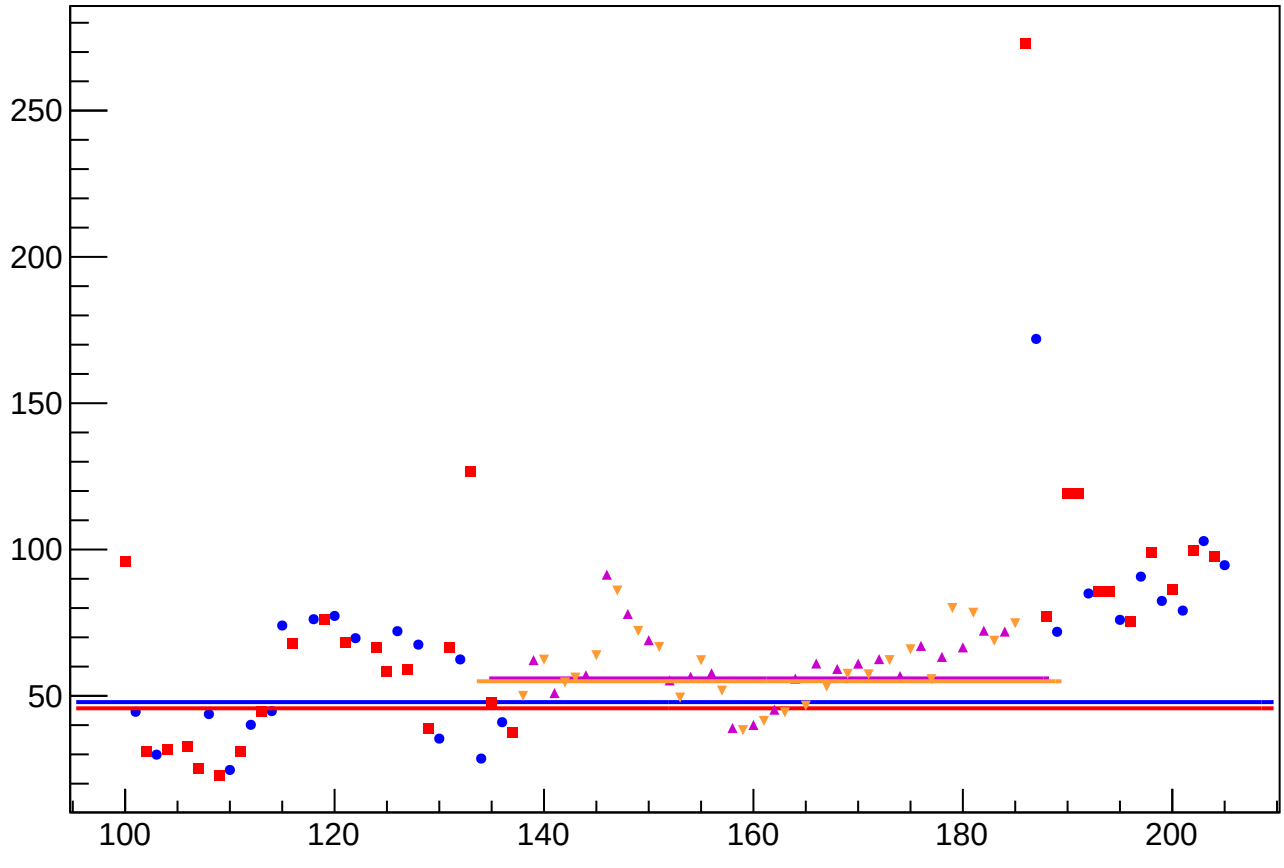
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.001+/-0.010 χ^2/NDF: 88.7/54

In: 0.007+/-0.010 χ^2/NDF:61.8/47

Out: -0.007+/-0.009 χ^2/NDF:66.2/54

All: -0.000+/-0.007 χ^2/NDF: 129.0/102



Right In: 47.866+/-0.010 χ^2/NDF: 4806932.0/24

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 45.747+/-0.010 χ^2/NDF: 6791748.4/29

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

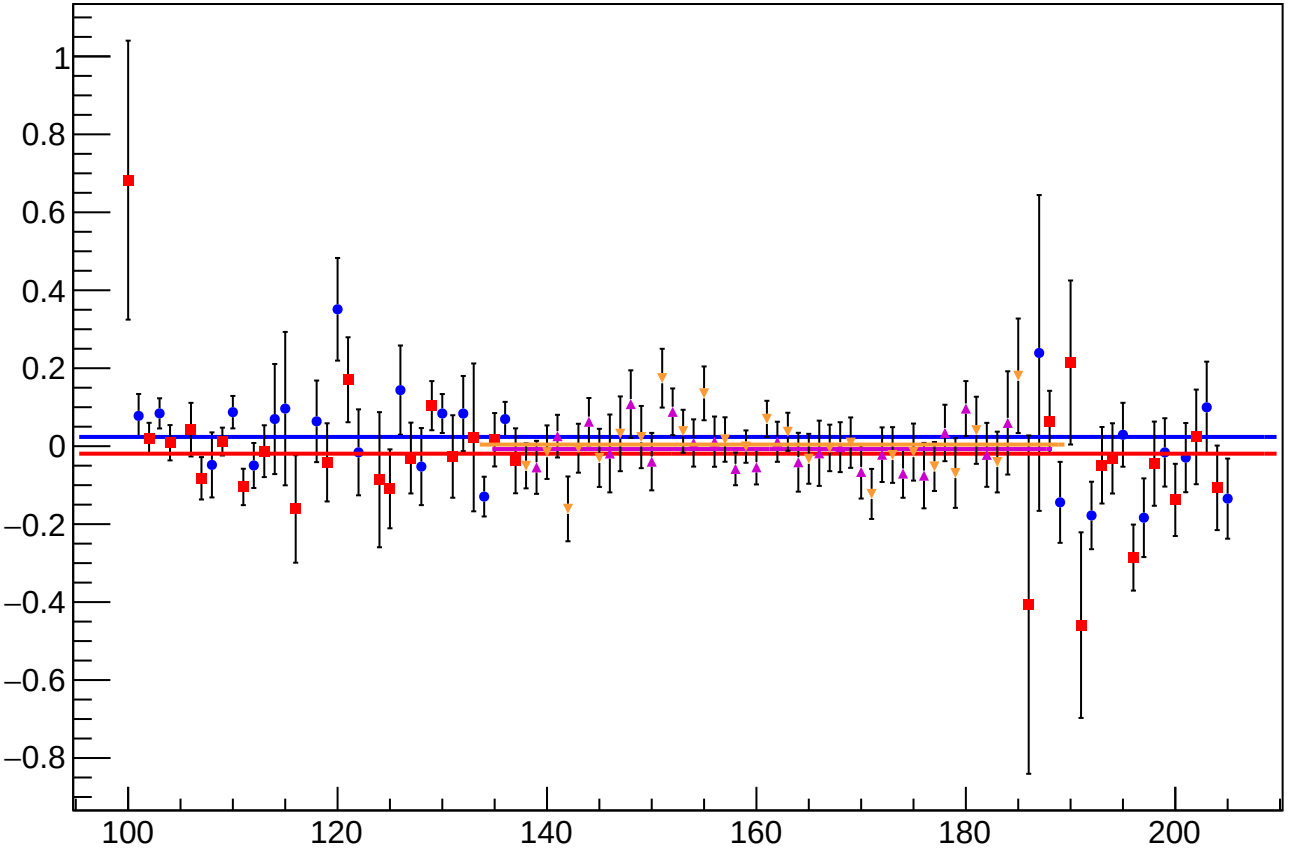
Right: 46.753+/-0.007 χ^2/NDF: 11621308.0/54

In: 52.176+/-0.007 χ^2/NDF:6547802.3/47

Out: 50.635+/-0.007 χ^2/NDF:8837730.2/54

All: 51.370+/-0.005 χ^2/NDF: 15411036.0/102

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

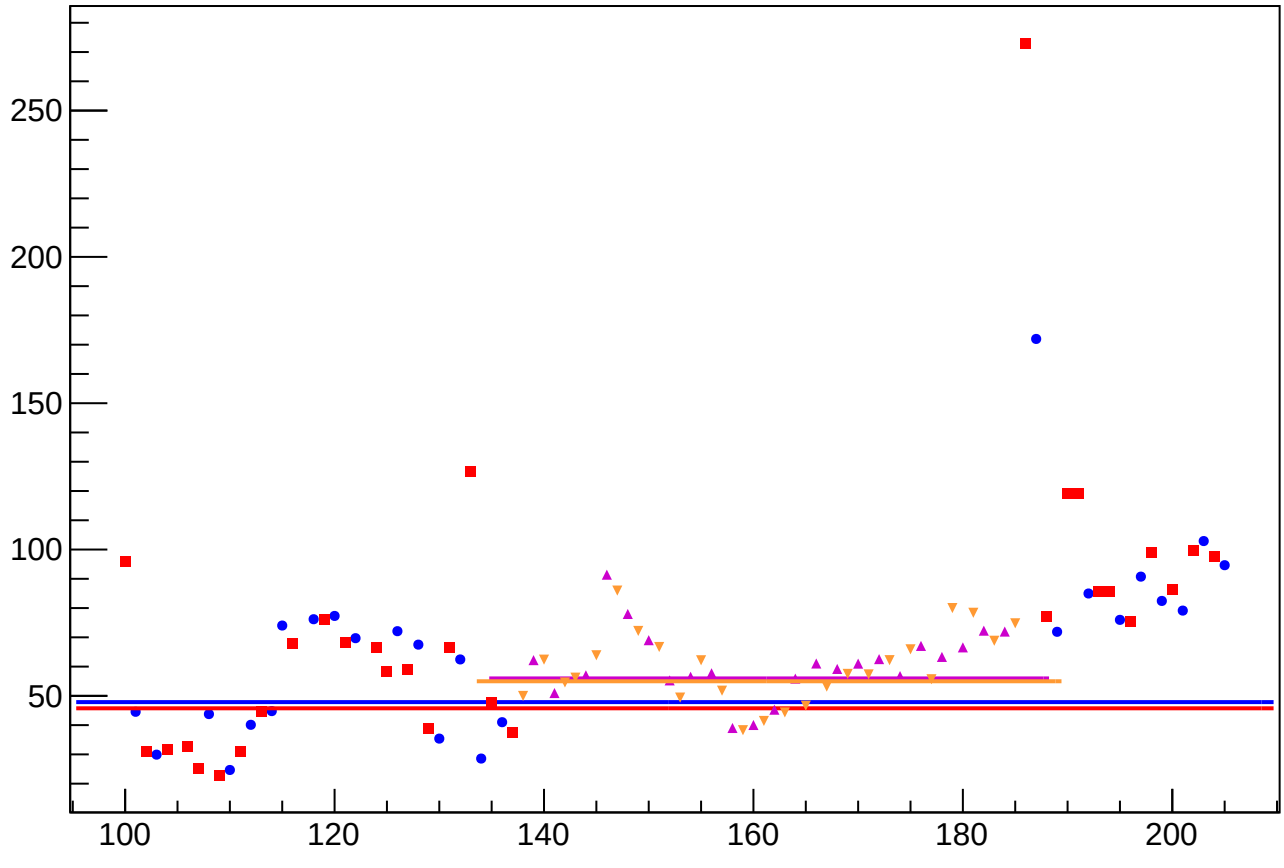
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.001+/-0.010 χ^2/NDF: 88.7/54

In: 0.007+/-0.010 χ^2/NDF:61.8/47

Out: -0.007+/-0.009 χ^2/NDF:66.2/54

All: -0.000+/-0.007 χ^2/NDF: 129.0/102



Right In: 47.866+/-0.010 χ^2/NDF: 4806932.0/24

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 45.747+/-0.010 χ^2/NDF: 6791748.4/29

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

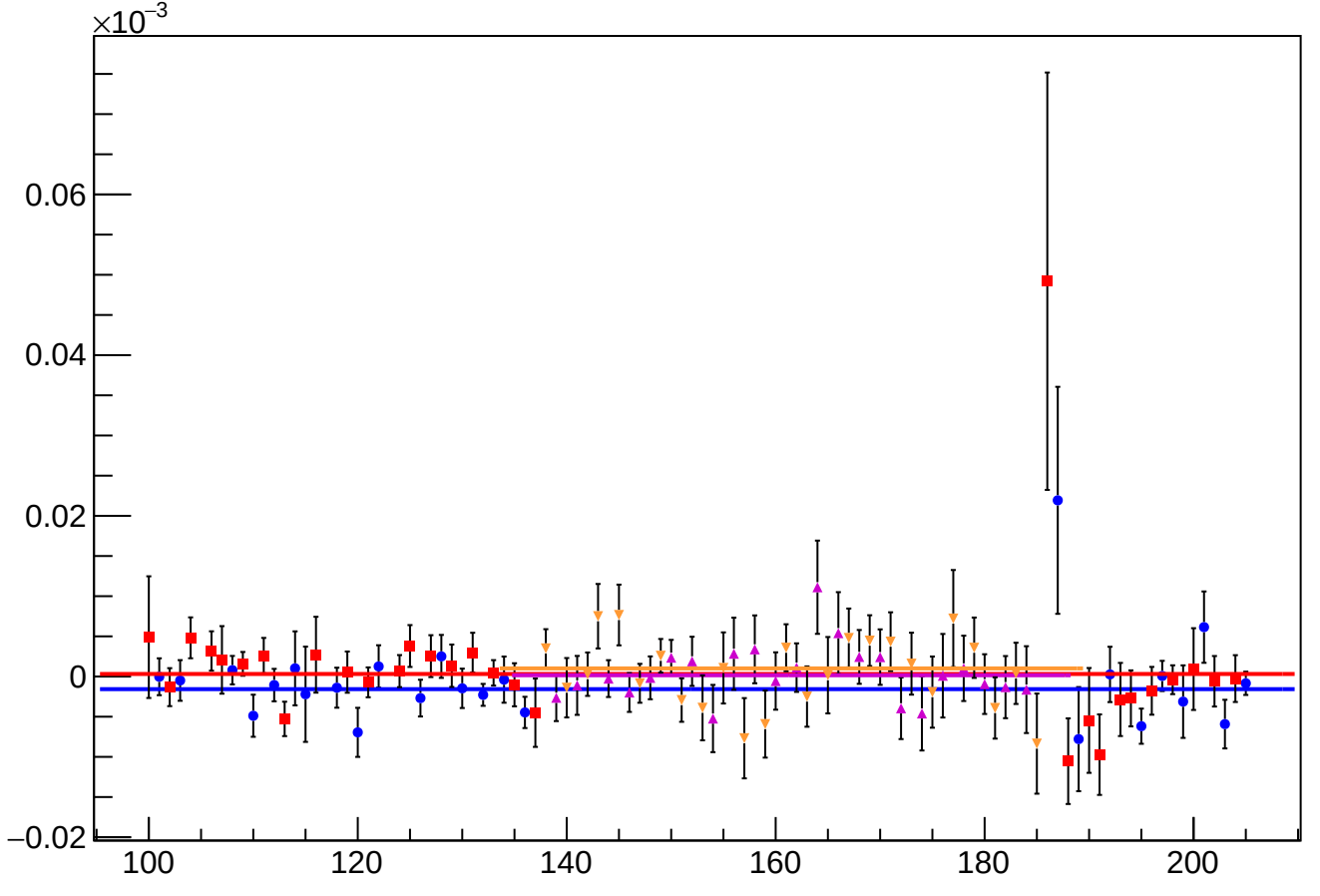
Left: 55.451+/-0.007 χ^2/NDF: 2978352.9/47

Right: 46.753+/-0.007 χ^2/NDF: 11621308.0/54

In: 52.176+/-0.007 χ^2/NDF:6547802.3/47

Out: 50.635+/-0.007 χ^2/NDF:8837730.2/54

All: 51.370+/-0.005 χ^2/NDF: 15411036.0/102



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/29

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

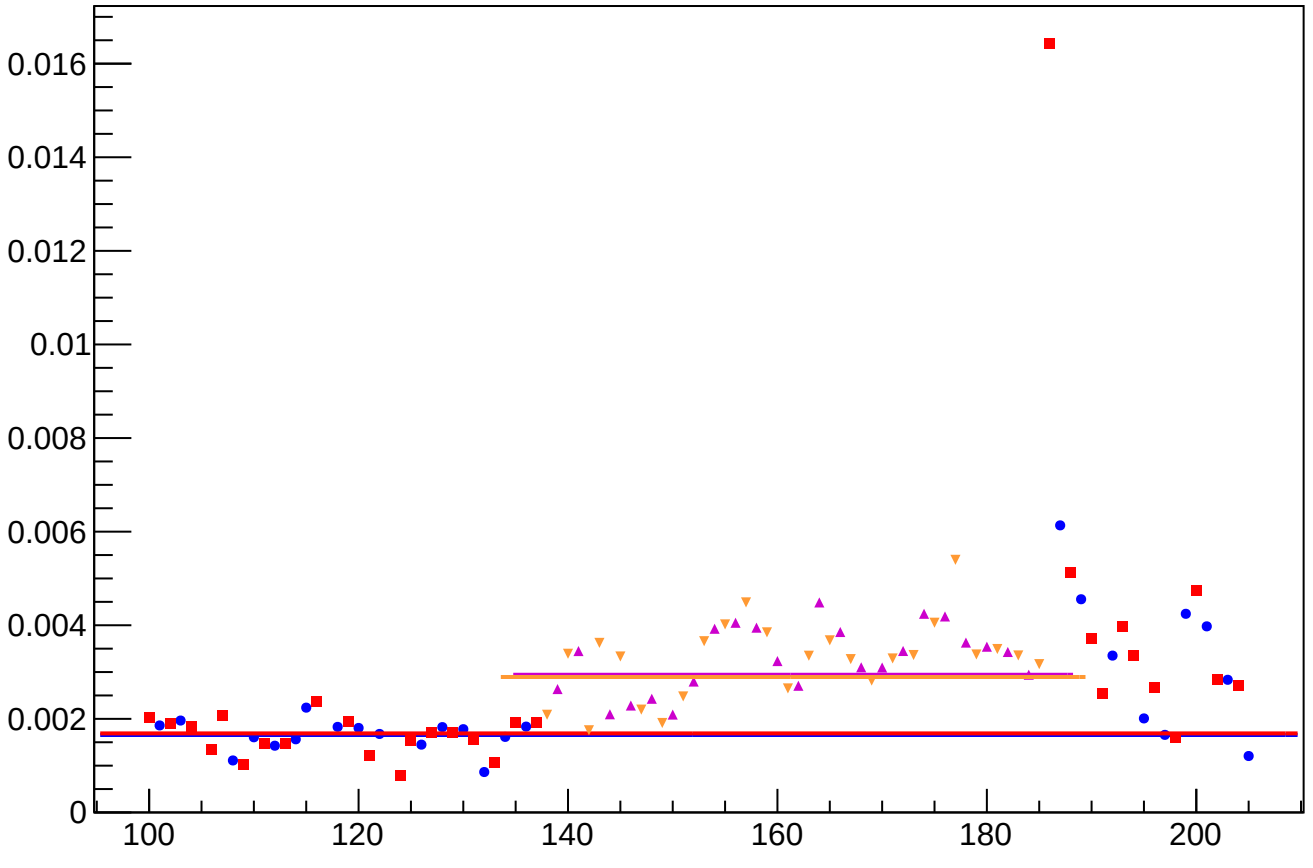
Left: 0.000+/-0.000 χ^2/NDF: 43.3/47

Right: -0.000+/-0.000 χ^2/NDF: 70.8/54

In: -0.000+/-0.000 χ^2/NDF:46.6/47

Out: 0.000+/-0.000 χ^2/NDF:63.9/54

All: -0.000+/-0.000 χ^2/NDF: 118.2/102



Right In: 0.002+/-0.000 χ^2/NDF: 3855200.8/24

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5626441.2/29

Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

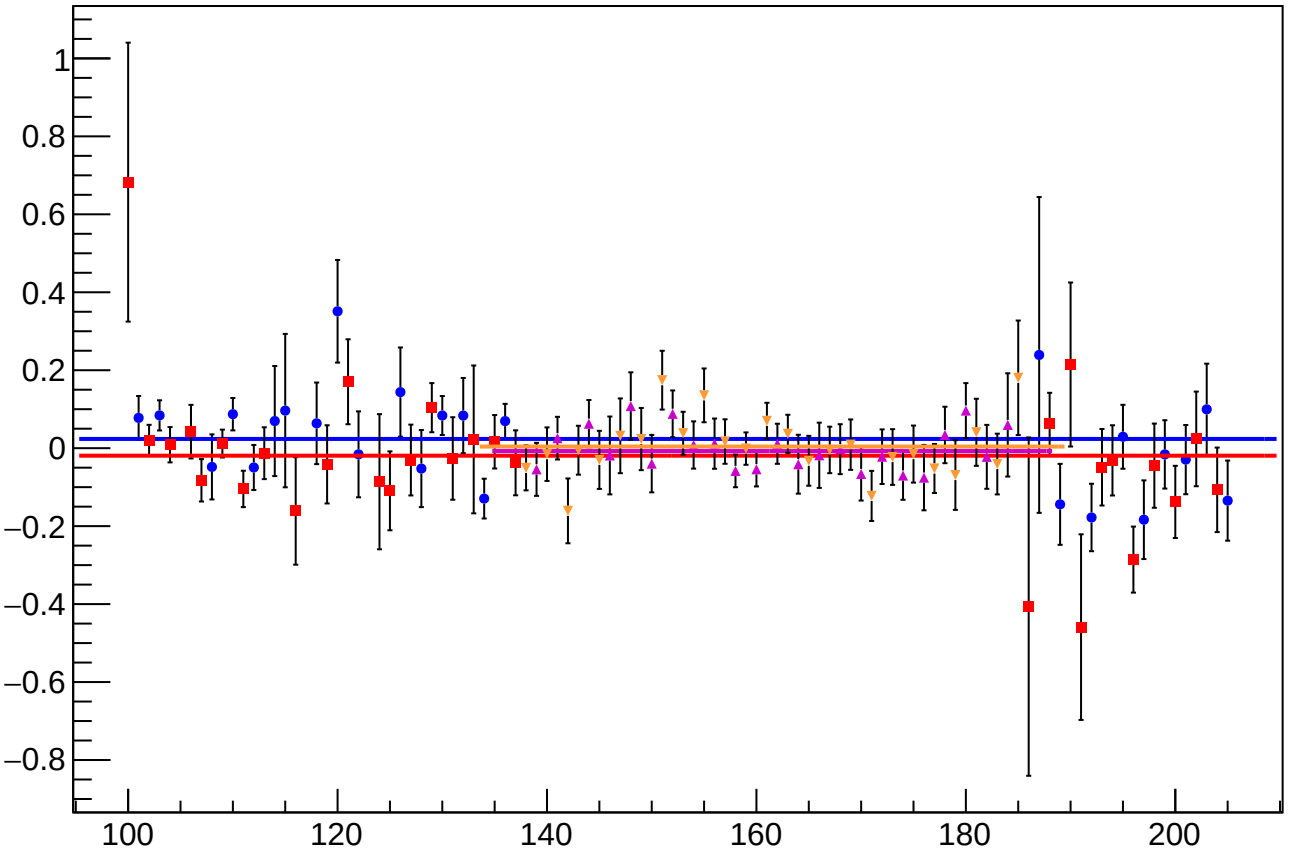
Left: 0.003+/-0.000 χ^2/NDF: 4538040.8/47

Right: 0.002+/-0.000 χ^2/NDF: 9486537.4/54

In: 0.002+/-0.000 χ^2/NDF:10225260.8/47

Out: 0.002+/-0.000 χ^2/NDF:12399775.1/54

All: 0.002+/-0.000 χ^2/NDF: 22628401.4/102



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

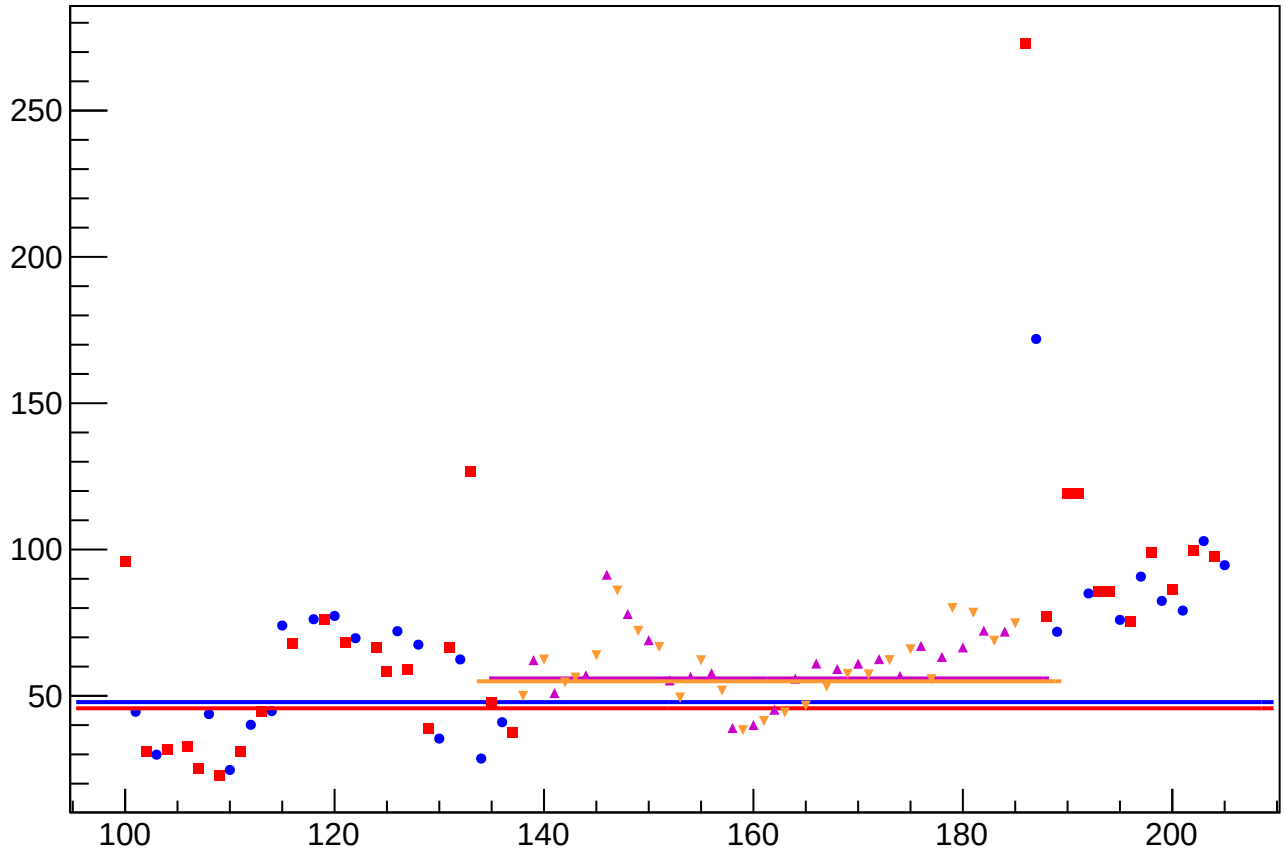
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.001+/-0.010 χ^2/NDF: 88.7/54

In: 0.007+/-0.010 χ^2/NDF:61.8/47

Out: -0.007+/-0.009 χ^2/NDF:66.1/54

All: -0.000+/-0.007 χ^2/NDF: 129.0/102



Right In: 47.865+/-0.010 χ^2/NDF: 4807048.4/24

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 45.746+/-0.010 χ^2/NDF: 6791754.0/29

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

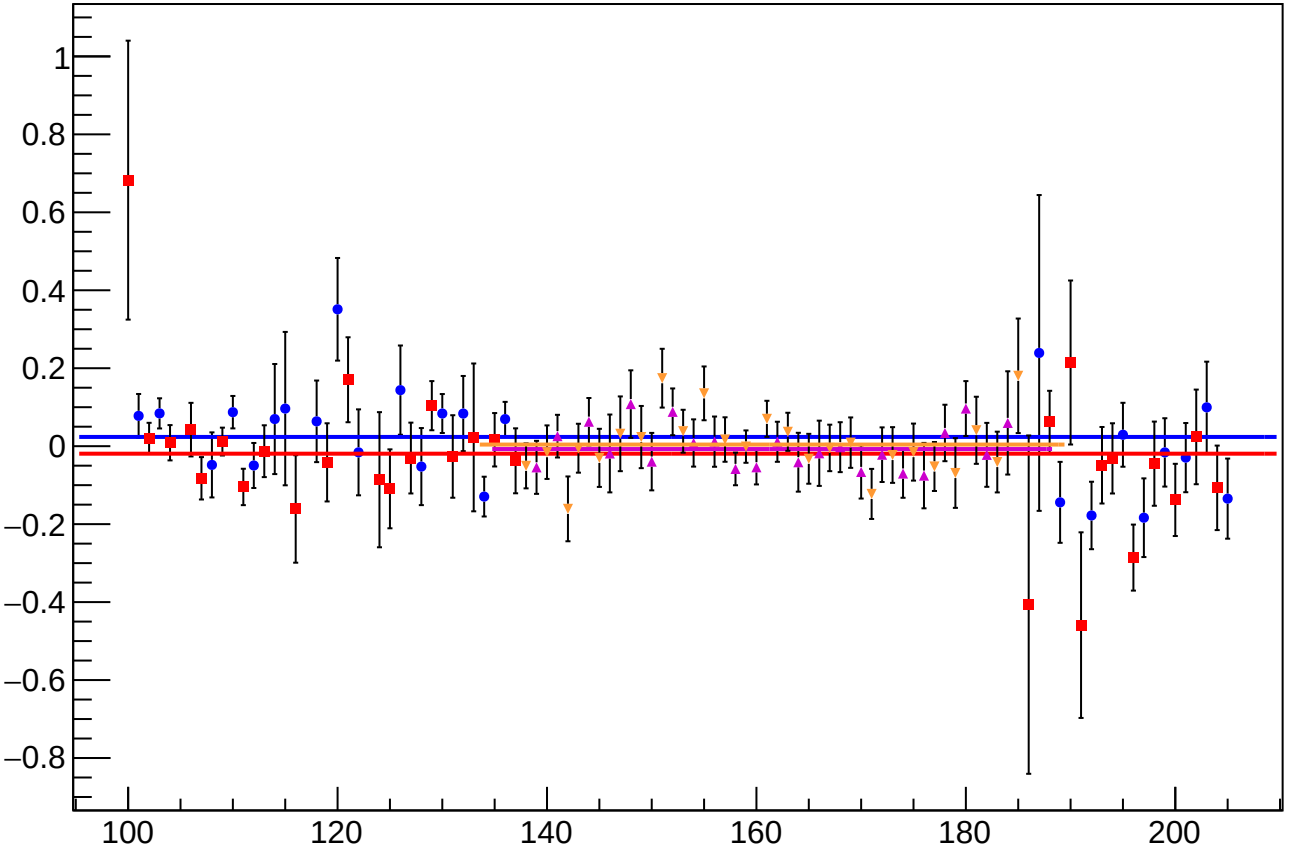
Right: 46.753+/-0.007 χ^2/NDF: 11621424.9/54

In: 52.175+/-0.007 χ^2/NDF:6548048.3/47

Out: 50.634+/-0.007 χ^2/NDF:8837799.3/54

All: 51.369+/-0.005 χ^2/NDF: 15411344.3/102

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.019+/-0.014 χ^2/NDF: 39.8/29

Left In: -0.007+/-0.014 χ^2/NDF:15.1/22

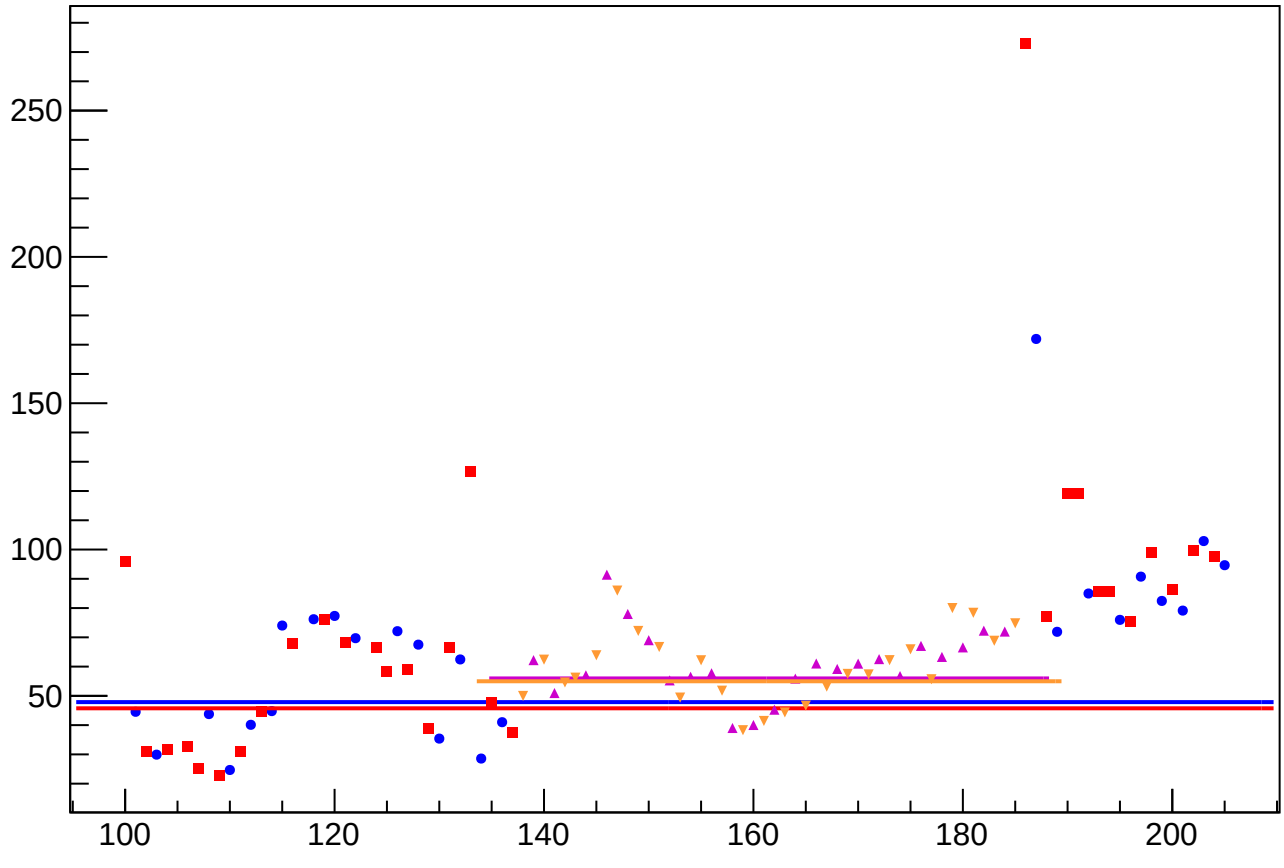
Left: -0.001+/-0.009 χ^2/NDF: 40.2/47

Right: 0.001+/-0.010 χ^2/NDF: 88.7/54

In: 0.007+/-0.010 χ^2/NDF:61.8/47

Out: -0.007+/-0.009 χ^2/NDF:66.1/54

All: -0.000+/-0.007 χ^2/NDF: 129.0/102



Right In: 47.865+/-0.010 χ^2/NDF: 4807048.4/24

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 45.746+/-0.010 χ^2/NDF: 6791754.0/29

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

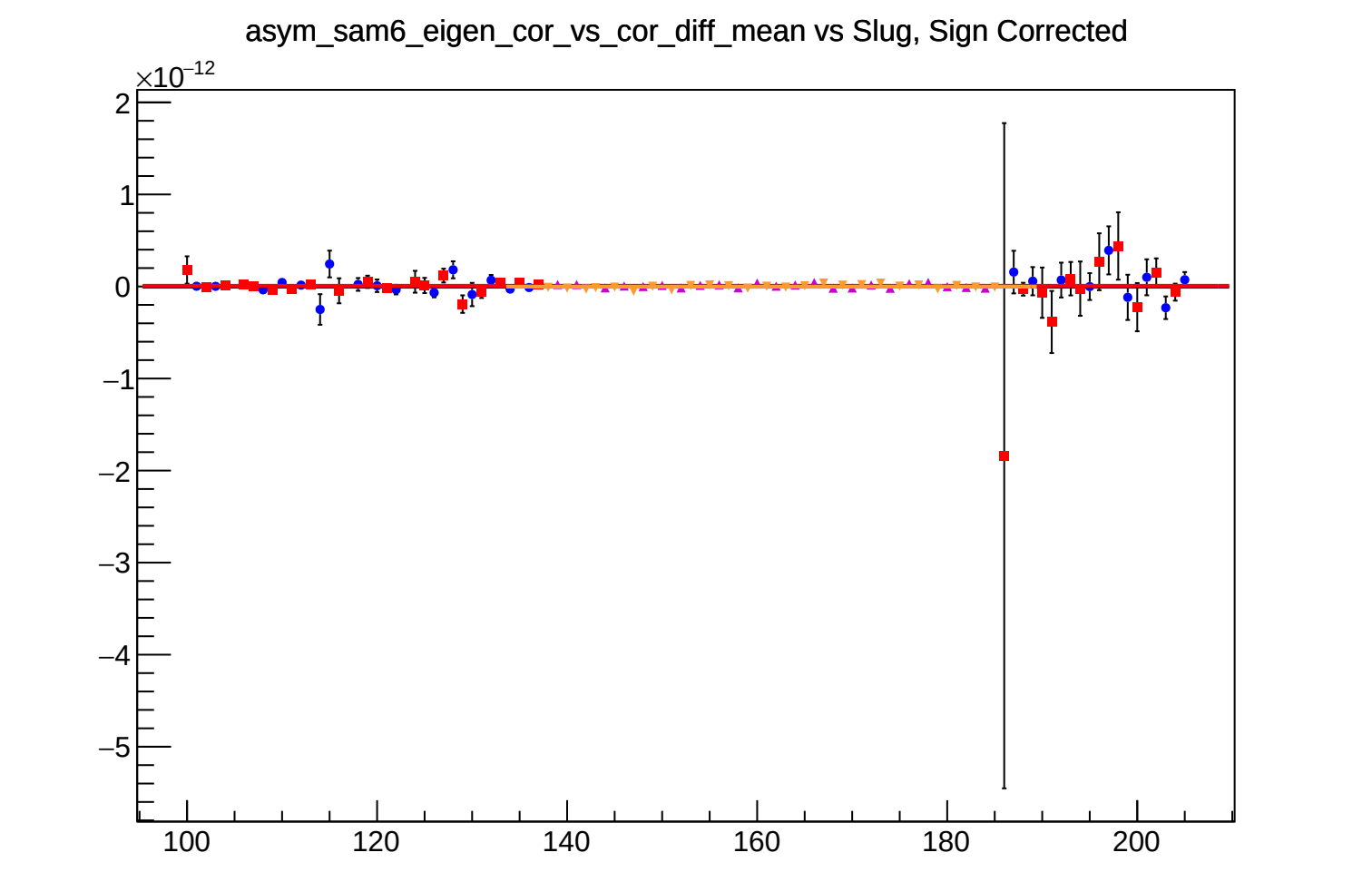
Left: 55.449+/-0.007 χ^2/NDF: 2978638.3/47

Right: 46.753+/-0.007 χ^2/NDF: 11621424.9/54

In: 52.175+/-0.007 χ^2/NDF:6548048.3/47

Out: 50.634+/-0.007 χ^2/NDF:8837799.3/54

All: 51.369+/-0.005 χ^2/NDF: 15411344.3/102



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/29

Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

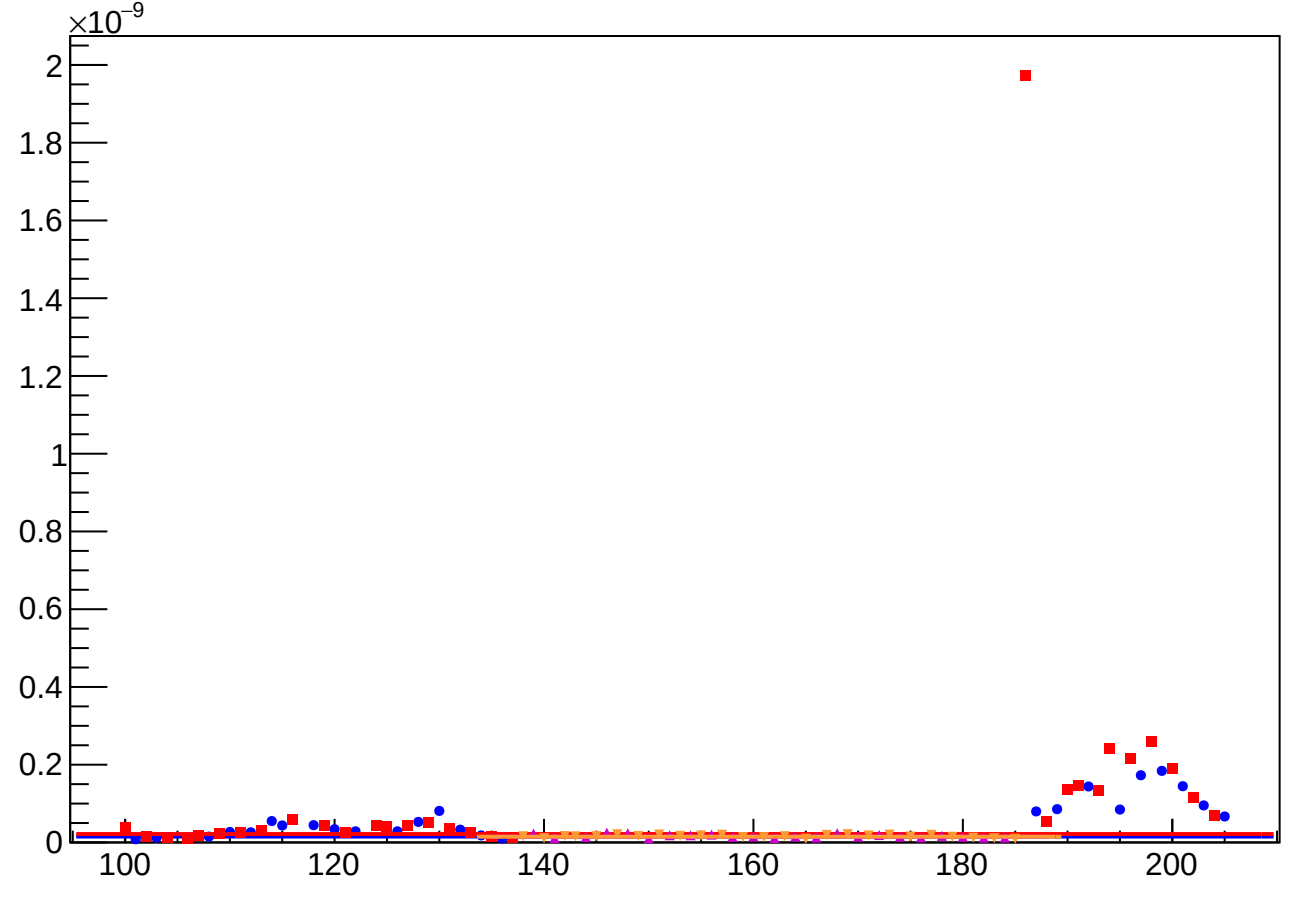
Left: 0.000+/-0.000 χ^2/NDF: 43.6/47

Right: 0.000+/-0.000 χ^2/NDF: 47.7/54

In: 0.000+/-0.000 χ^2/NDF:47.7/47

Out: -0.000+/-0.000 χ^2/NDF:42.8/54

All: 0.000+/-0.000 χ^2/NDF: 91.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 9408167.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9509280.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

Left: 0.000+/-0.000 χ^2/NDF: 2830255.7/47

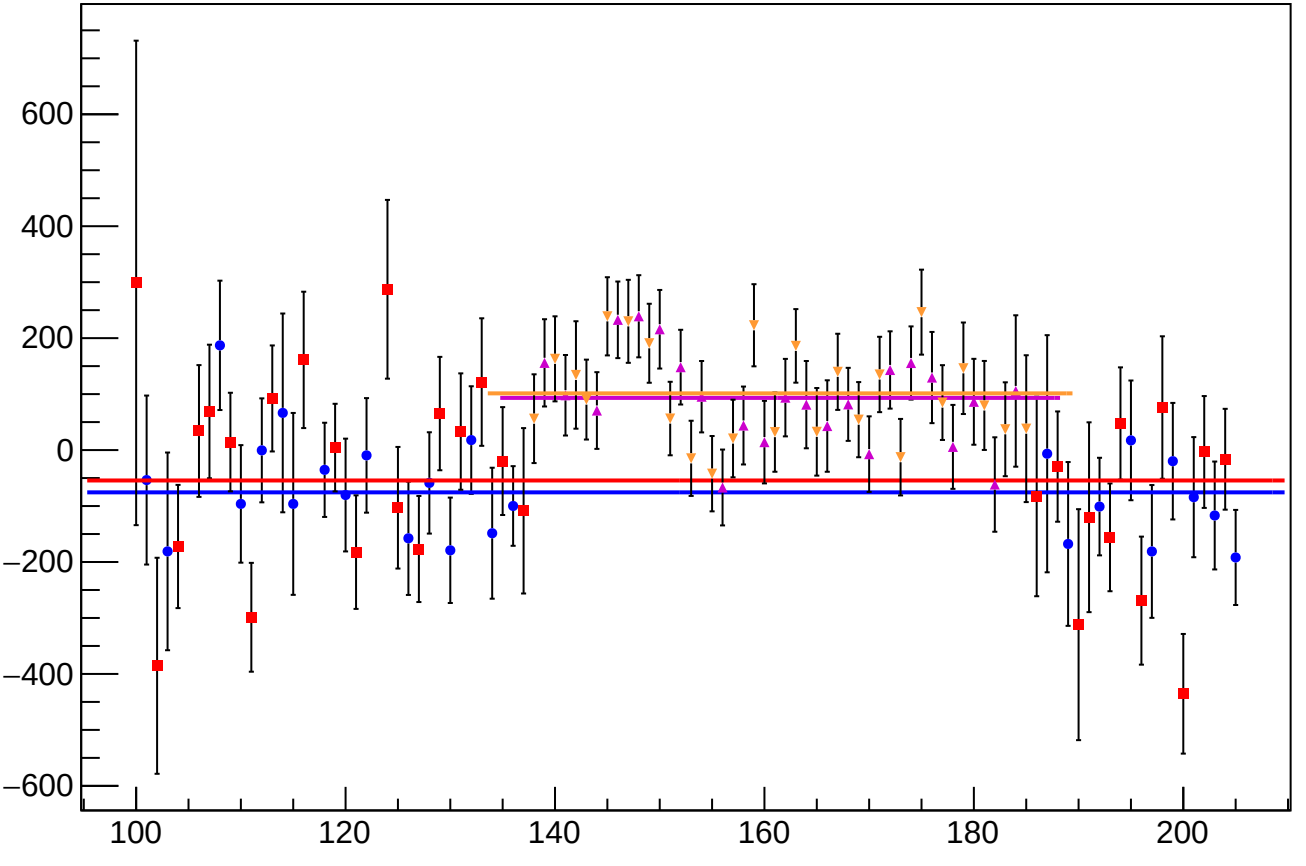
Right: 0.000+/-0.000 χ^2/NDF: 19535376.8/54

In: 0.000+/-0.000 χ^2/NDF:10838408.9/47

Out: 0.000+/-0.000 χ^2/NDF:11883128.4/54

All: 0.000+/-0.000 χ^2/NDF: 22785781.7/102

reg_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.550+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.321+/-20.263 χ^2/NDF: 53.8/29

Left In: 93.236+/-15.137 χ^2/NDF:28.8/22

Left: 97.415+/-10.524 χ^2/NDF: 62.9/47

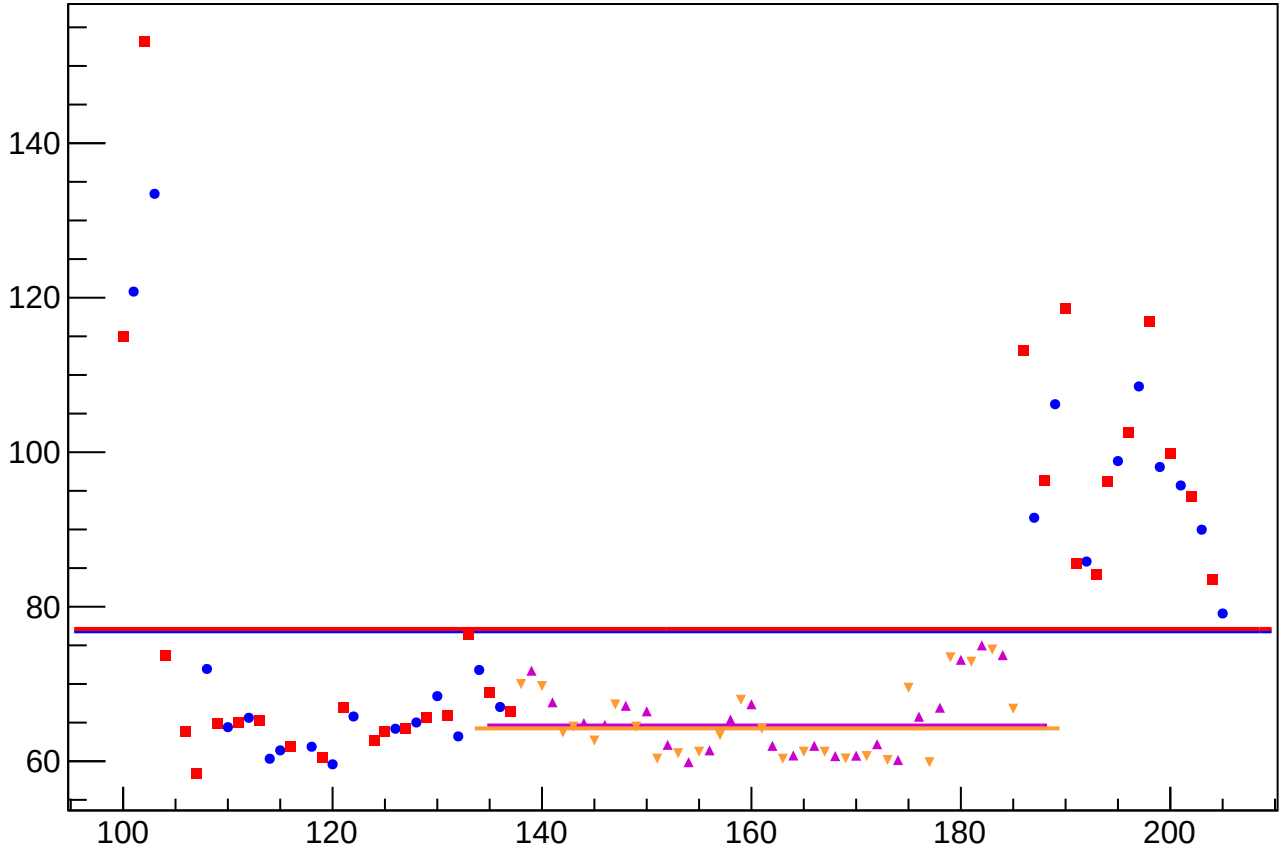
Right: -64.533+/-14.597 χ^2/NDF: 69.7/54

In: 35.697+/-12.289 χ^2/NDF:86.6/47

Out: 47.934+/-11.868 χ^2/NDF:126.5/54

All: 42.029+/-8.537 χ^2/NDF: 213.6/102

reg_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.821+/-0.015 χ^2/NDF: 1301659.6/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.126+/-0.014 χ^2/NDF: 1581885.9/29

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

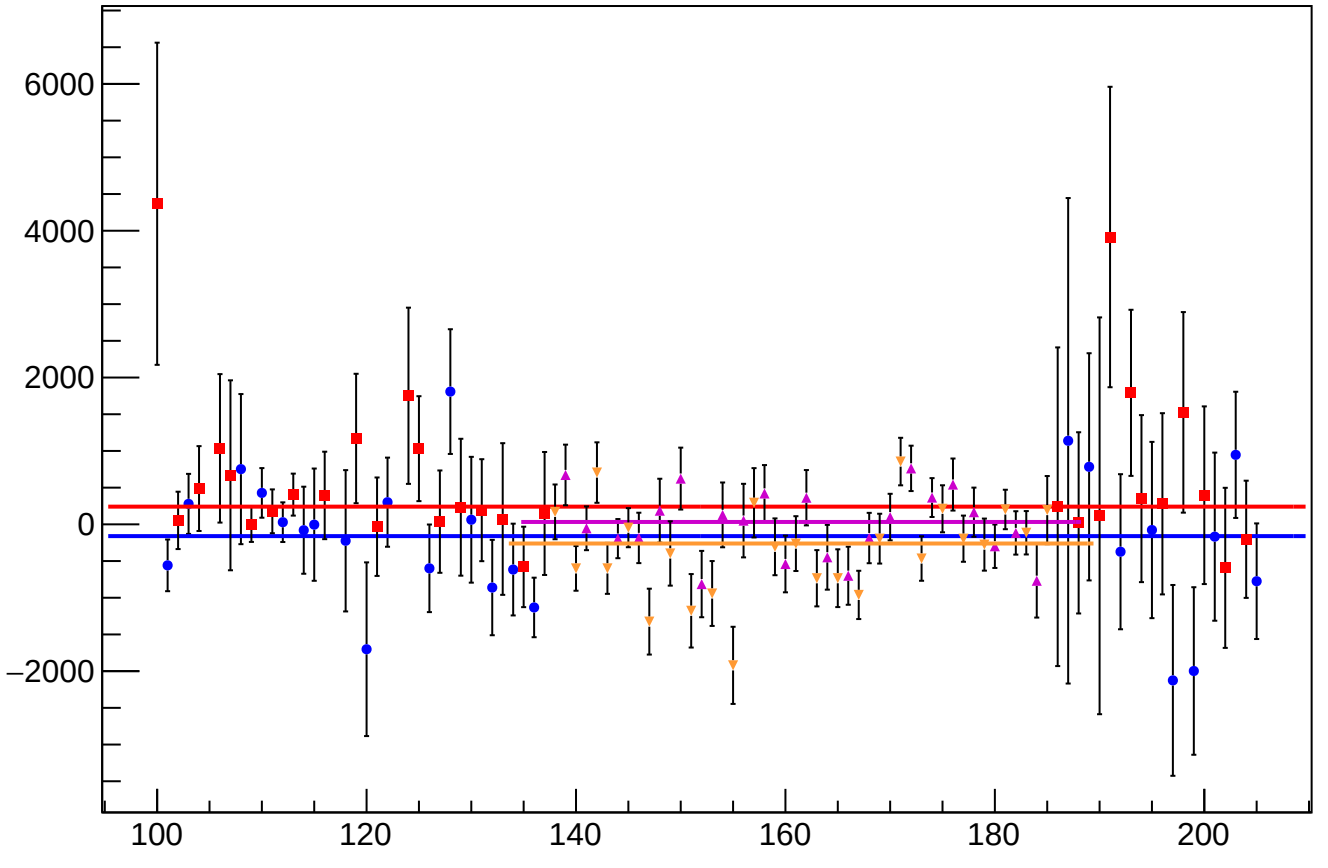
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.979+/-0.010 χ^2/NDF: 2883763.7/54

In: 68.780+/-0.009 χ^2/NDF:1891725.5/47

Out: 68.670+/-0.008 χ^2/NDF:2289652.5/54

All: 68.723+/-0.006 χ^2/NDF: 4181460.3/102



Right In: -160.412+/-119.292 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 241.171+/-112.390 χ^2/NDF: 19.5/29

Left In: 32.423+/-73.837 χ^2/NDF:31.7/22

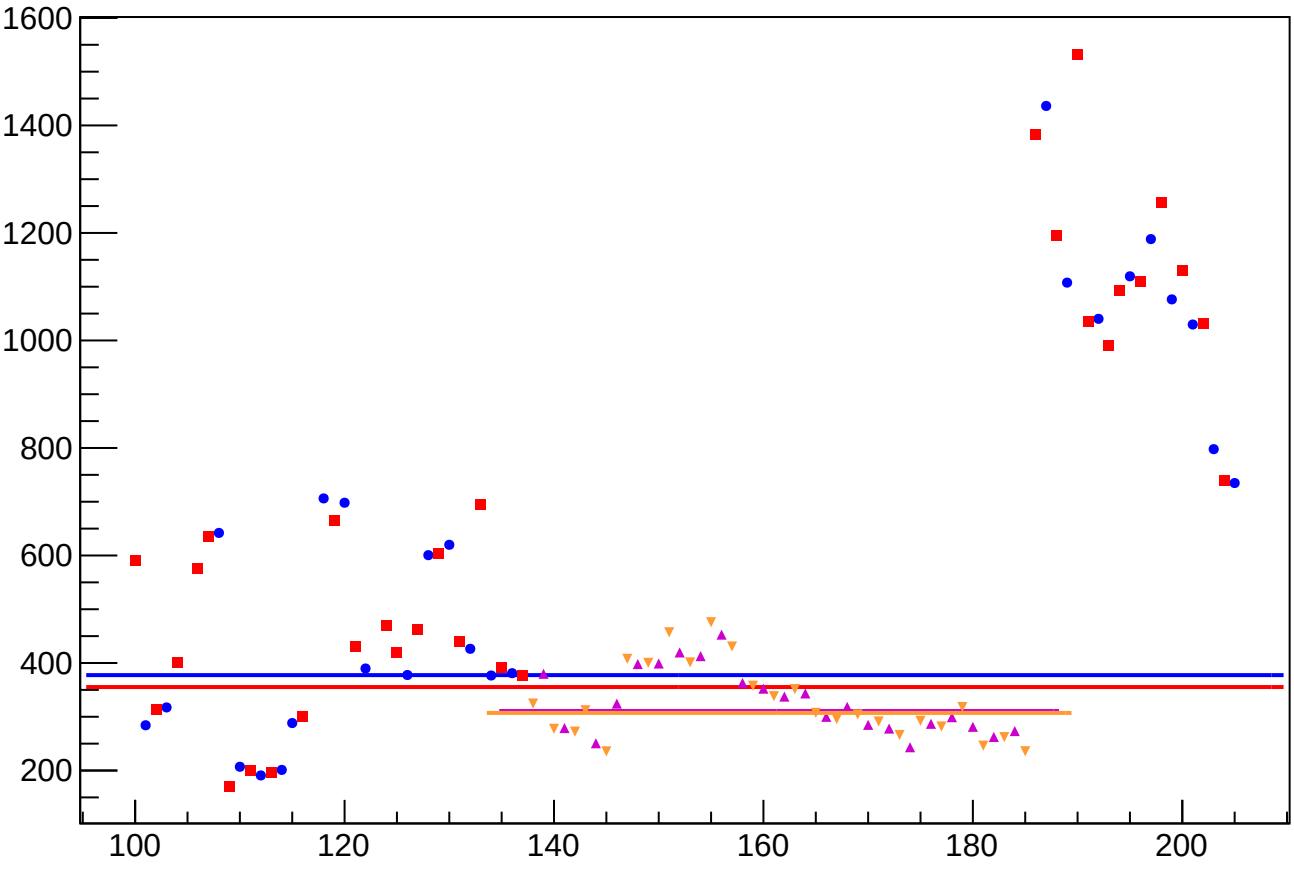
Left: -119.545+/-51.278 χ^2/NDF: 98.7/47

Right: 52.333+/-81.803 χ^2/NDF: 55.7/54

In: -20.991+/-62.784 χ^2/NDF:63.8/47

Out: -117.073+/-60.188 χ^2/NDF:92.6/54

All: -71.059+/-43.448 χ^2/NDF: 157.6/102



Right In: 377.472+/-0.084 χ^2/NDF: 7943157.6/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 355.299+/-0.079 χ^2/NDF: 10477295.8/29

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

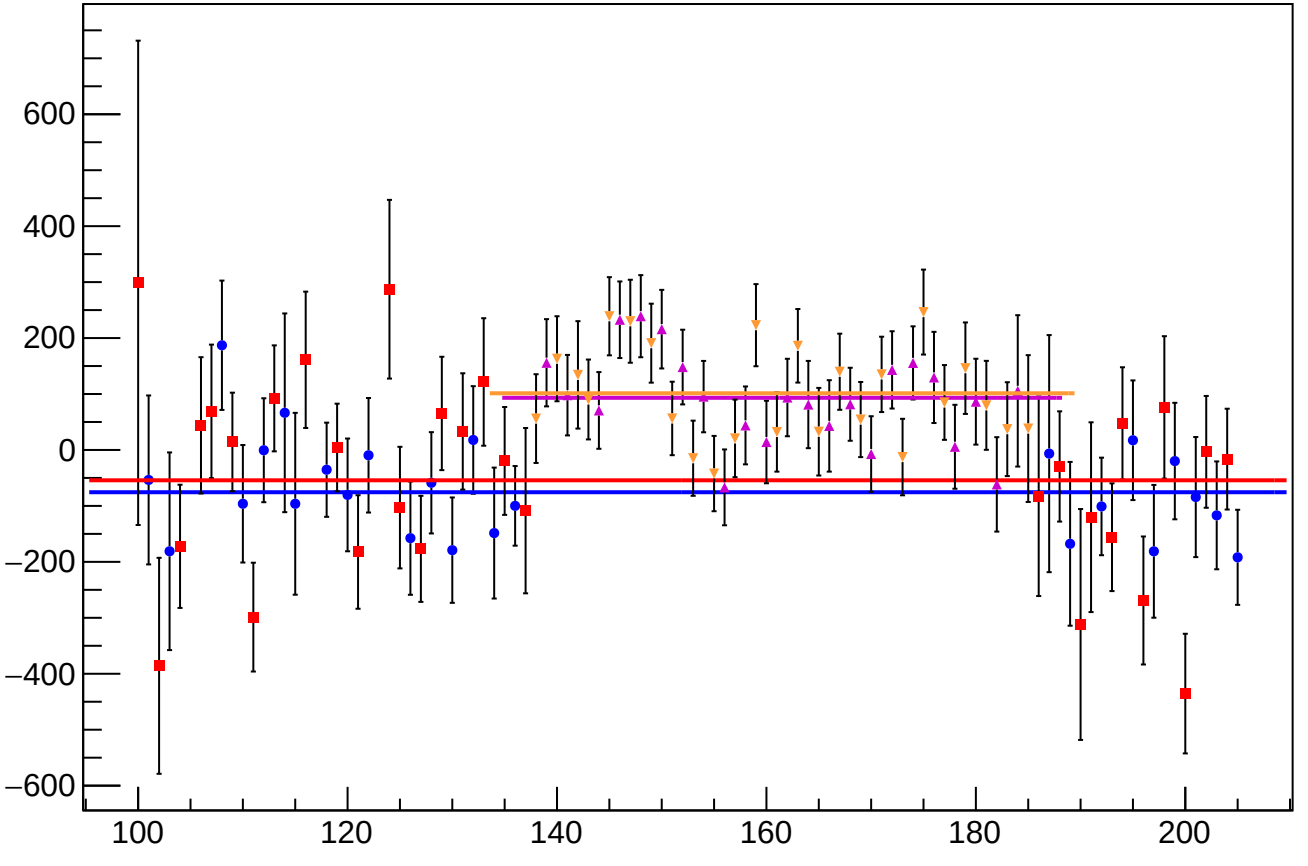
Right: 365.726+/-0.058 χ^2/NDF: 18457060.3/54

In: 329.194+/-0.044 χ^2/NDF:9475715.2/47

Out: 320.954+/-0.043 χ^2/NDF:12059317.5/54

All: 324.900+/-0.031 χ^2/NDF: 21552985.5/10

cor_asym_sam7_mean vs Slug, Sign Corrected



Right In: -75.552+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.219+/-20.283 χ^2/NDF: 53.9/29

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

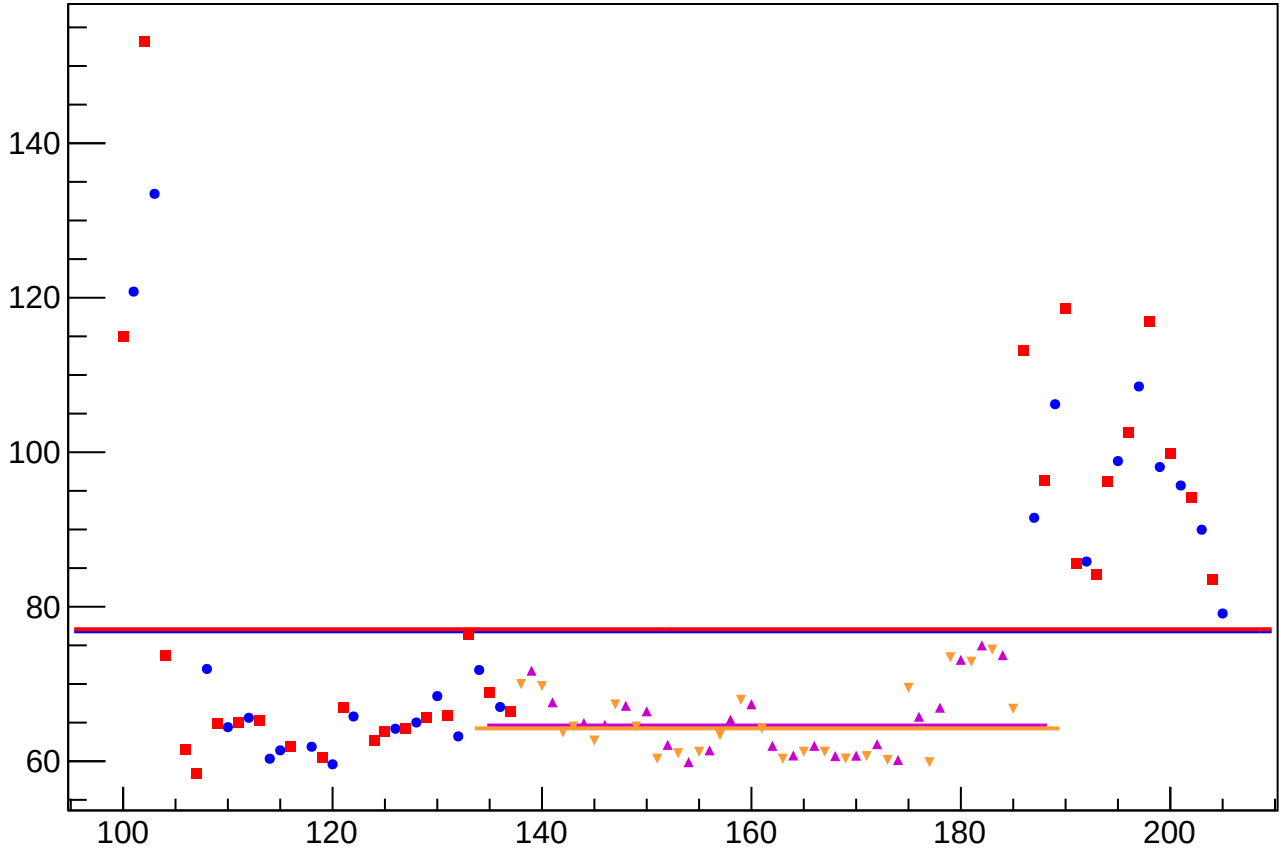
Right: -64.491+/-14.605 χ^2/NDF: 69.8/54

In: 35.696+/-12.289 χ^2/NDF:86.6/47

Out: 48.038+/-11.872 χ^2/NDF:126.5/54

All: 42.080+/-8.538 χ^2/NDF: 213.6/102

cor_asym_sam7_rms vs Slug, Sign Corrected



Right In: 76.821+/-0.015 χ^2/NDF: 1301660.0/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.086+/-0.014 χ^2/NDF: 1589408.8/29

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

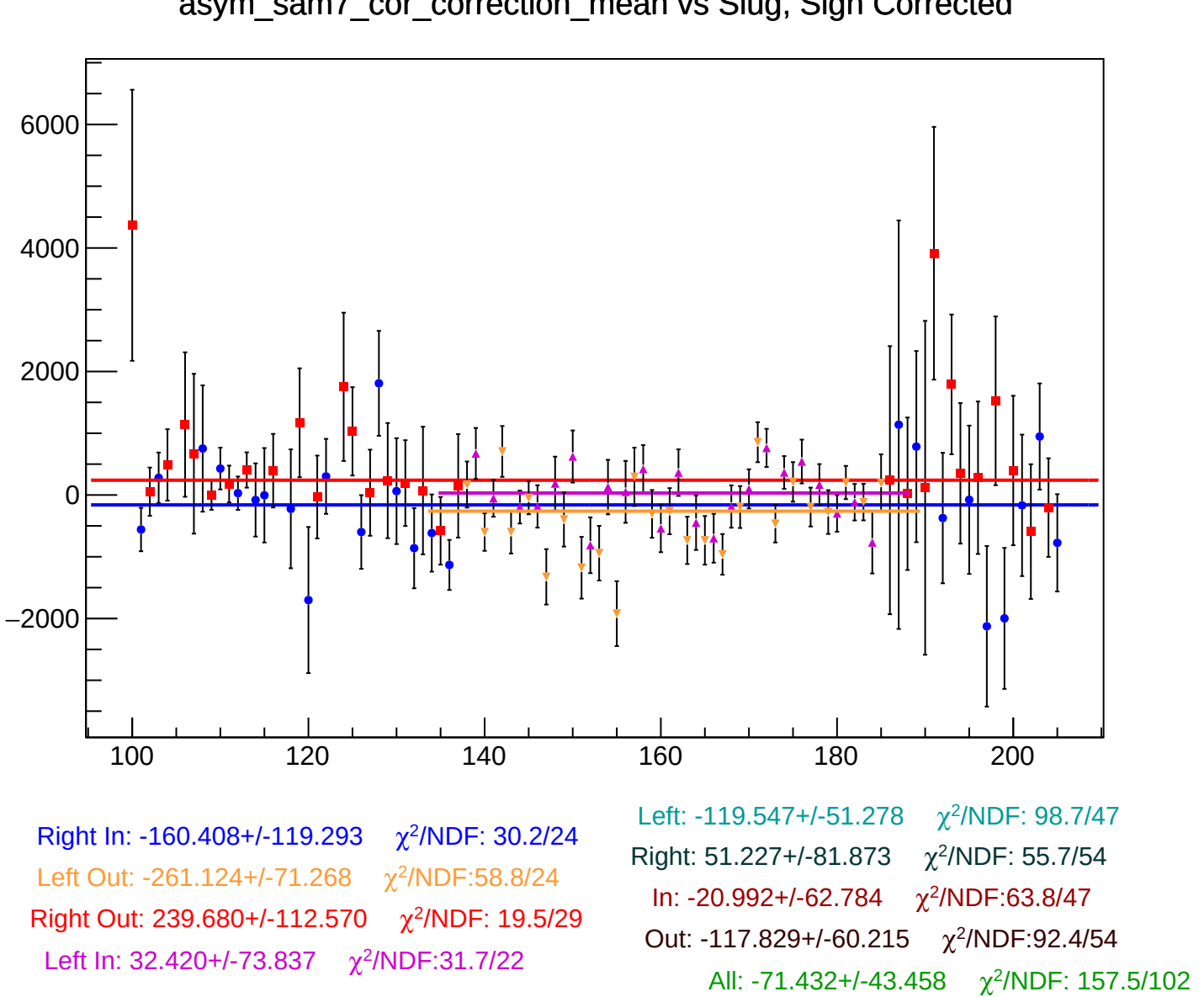
Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

Right: 76.958+/-0.010 χ^2/NDF: 2891233.6/54

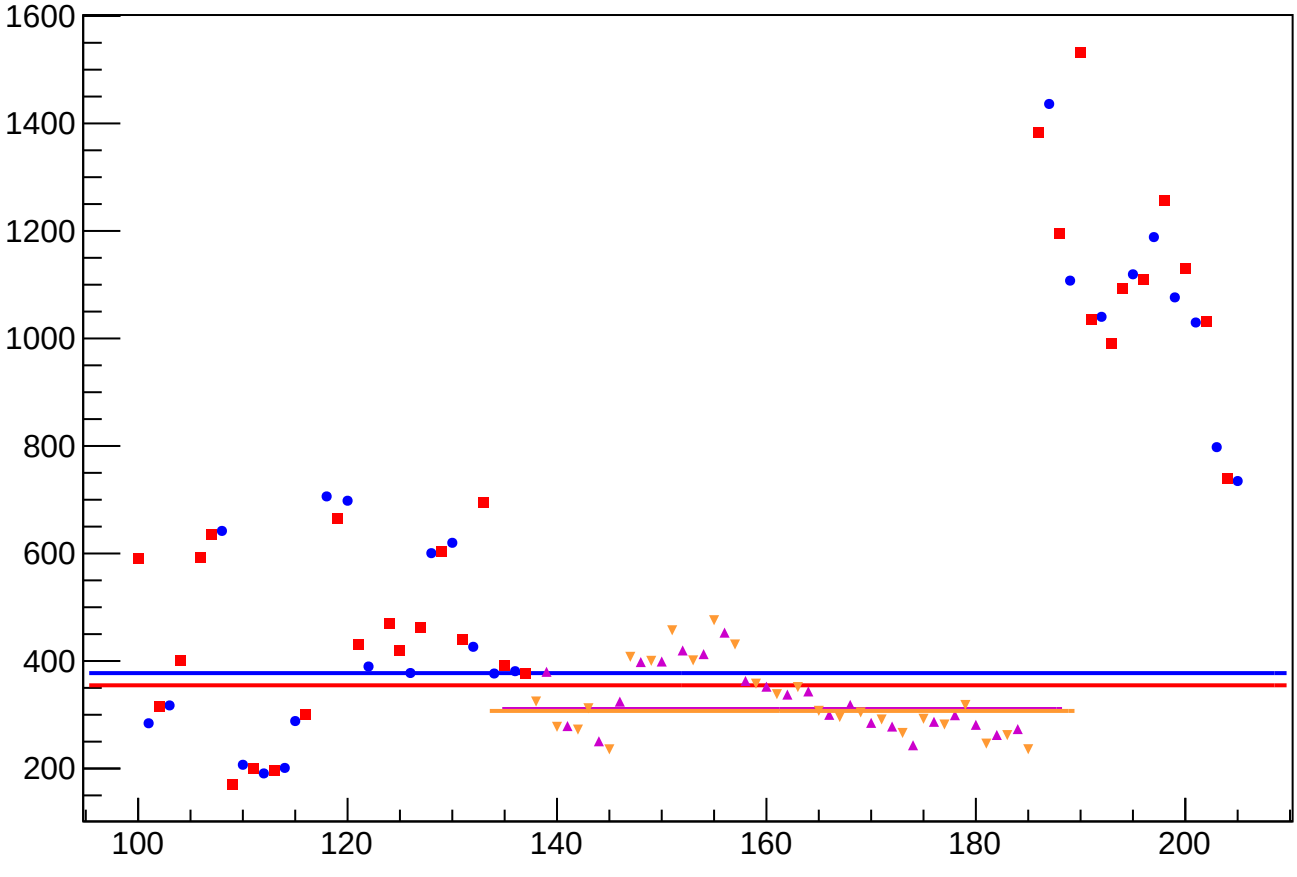
In: 68.780+/-0.009 χ^2/NDF:1891725.8/47

Out: 68.651+/-0.008 χ^2/NDF:2293235.9/54

All: 68.713+/-0.006 χ^2/NDF: 4185075.4/102


asym_sam7_cor_correction_mean vs Slug, Sign Corrected
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -160.408+/-119.293 χ²/NDF: 30.2/24
Left Out: -261.124+/-71.268 χ²/NDF:58.8/24
Right Out: 239.680+/-112.570 χ²/NDF: 19.5/29
Left In: 32.420+/-73.837 χ²/NDF:31.7/22
Left: -119.547+/-51.278 χ²/NDF: 98.7/47
Right: 51.227+/-81.873 χ²/NDF: 55.7/54
In: -20.992+/-62.784 χ²/NDF:63.8/47
Out: -117.829+/-60.215 χ²/NDF:92.4/54
All: -71.432+/-43.458 χ²/NDF: 157.5/102

asym_sam7_cor_correction_rms vs Slug, Sign Corrected



Right In: 377.475+/-0.084 χ^2/NDF: 7943121.3/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 354.793+/-0.080 χ^2/NDF: 10465209.2/29

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

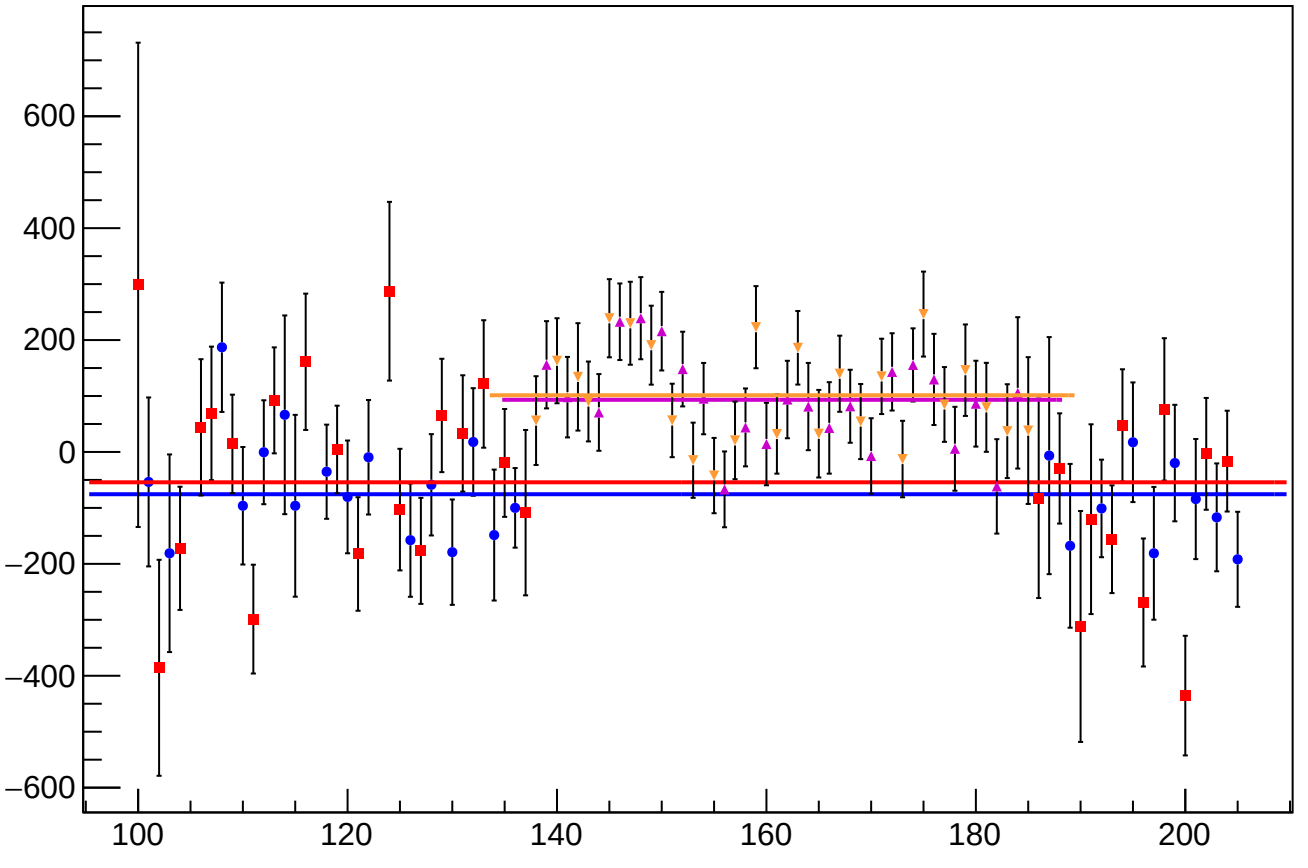
Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

Right: 365.477+/-0.058 χ^2/NDF: 18446577.4/54

In: 329.194+/-0.044 χ^2/NDF:9475710.6/47

Out: 320.777+/-0.043 χ^2/NDF:12041171.1/54

All: 324.810+/-0.031 χ^2/NDF: 21535605.5/10



Right In: -75.552+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: -54.219+/-20.283 χ^2/NDF: 53.9/29

Left In: 93.235+/-15.137 χ^2/NDF:28.8/22

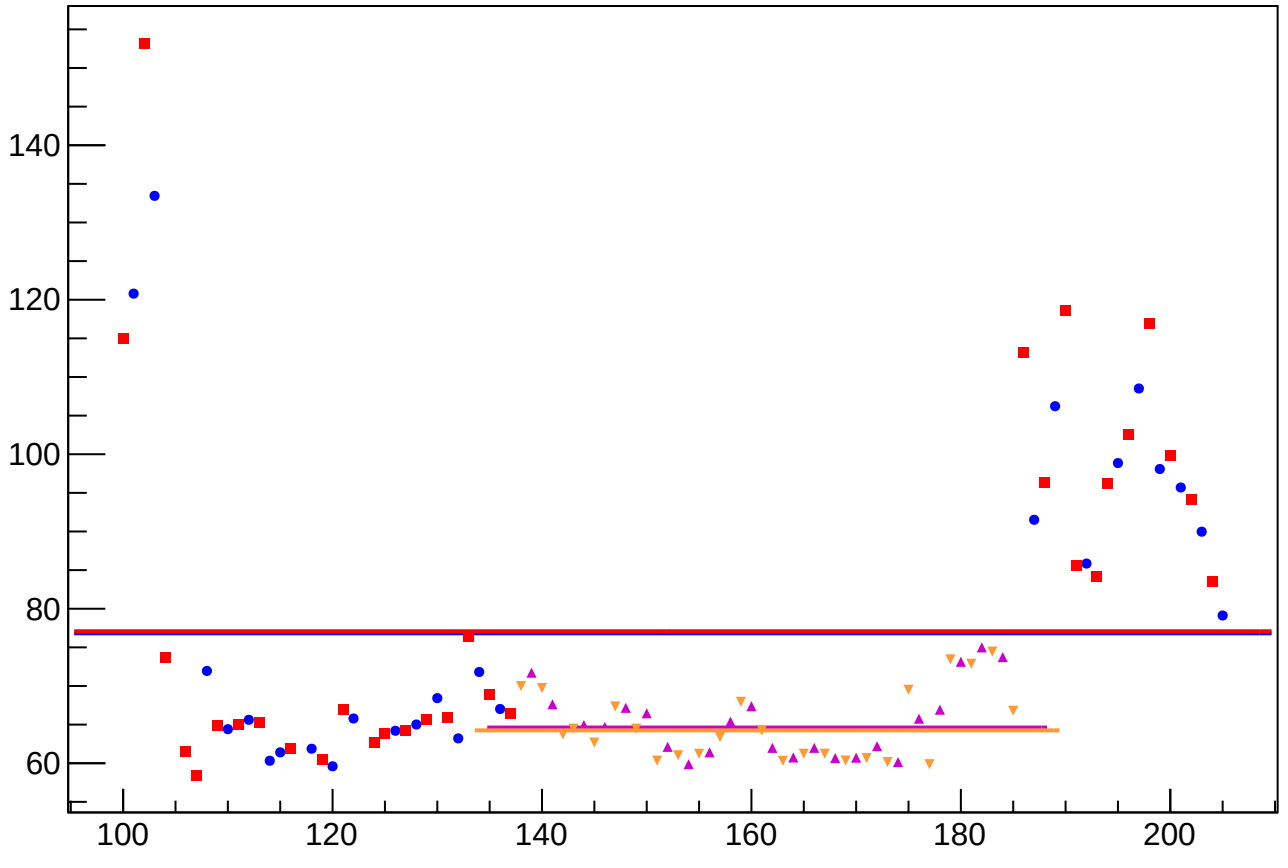
Left: 97.414+/-10.524 χ^2/NDF: 62.9/47

Right: -64.491+/-14.605 χ^2/NDF: 69.8/54

In: 35.696+/-12.289 χ^2/NDF:86.6/47

Out: 48.038+/-11.872 χ^2/NDF:126.5/54

All: 42.080+/-8.538 χ^2/NDF: 213.6/102



Right In: 76.821+/-0.015 χ^2/NDF: 1301660.0/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.086+/-0.014 χ^2/NDF: 1589408.8/29

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

Left: 64.432+/-0.007 χ^2/NDF: 325501.9/47

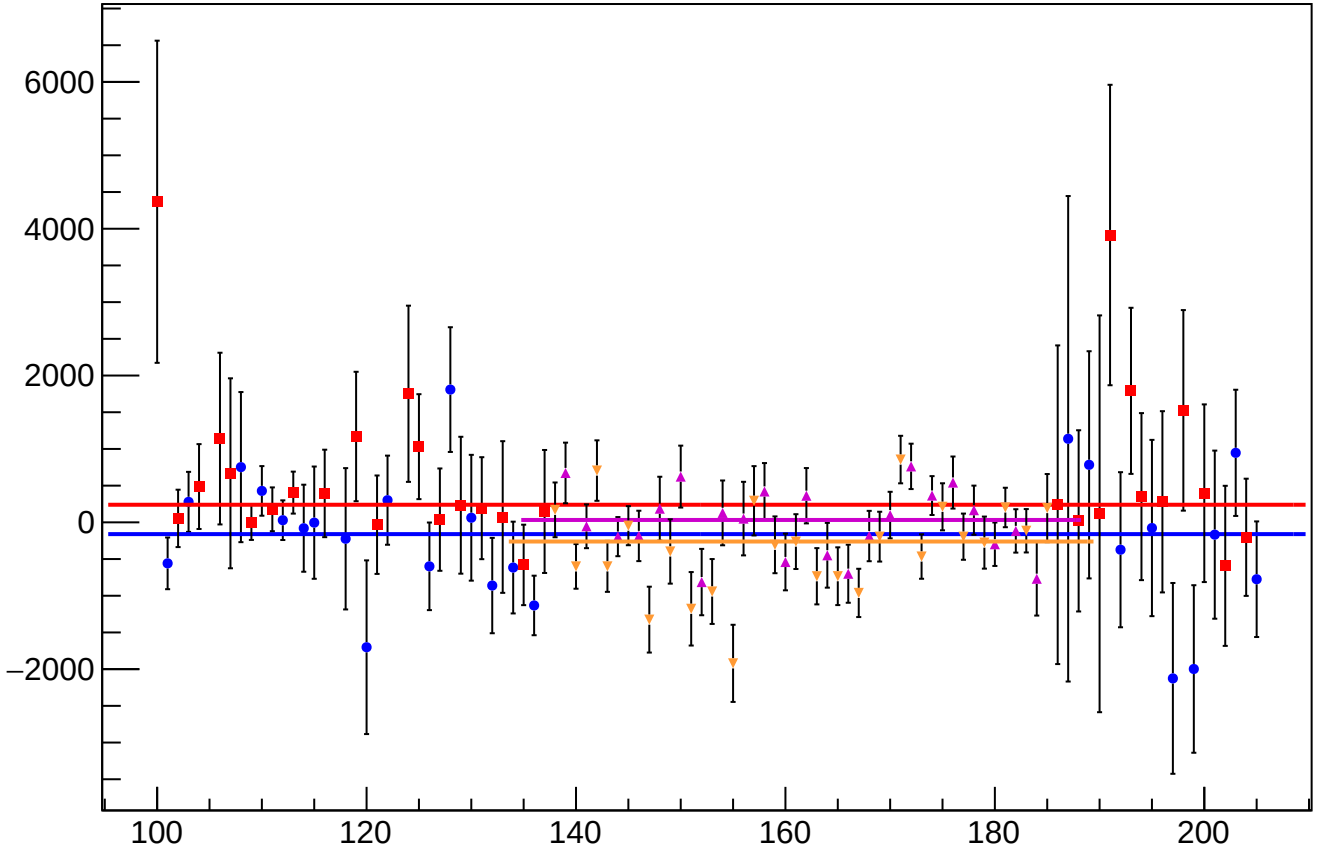
Right: 76.958+/-0.010 χ^2/NDF: 2891233.6/54

In: 68.780+/-0.009 χ^2/NDF:1891725.8/47

Out: 68.651+/-0.008 χ^2/NDF:2293235.9/54

All: 68.713+/-0.006 χ^2/NDF: 4185075.4/102

asym_sam7_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -160.408+/-119.293 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: 239.680+/-112.570 χ^2/NDF: 19.5/29

Left In: 32.420+/-73.837 χ^2/NDF:31.7/22

Left: -119.547+/-51.278 χ^2/NDF: 98.7/47

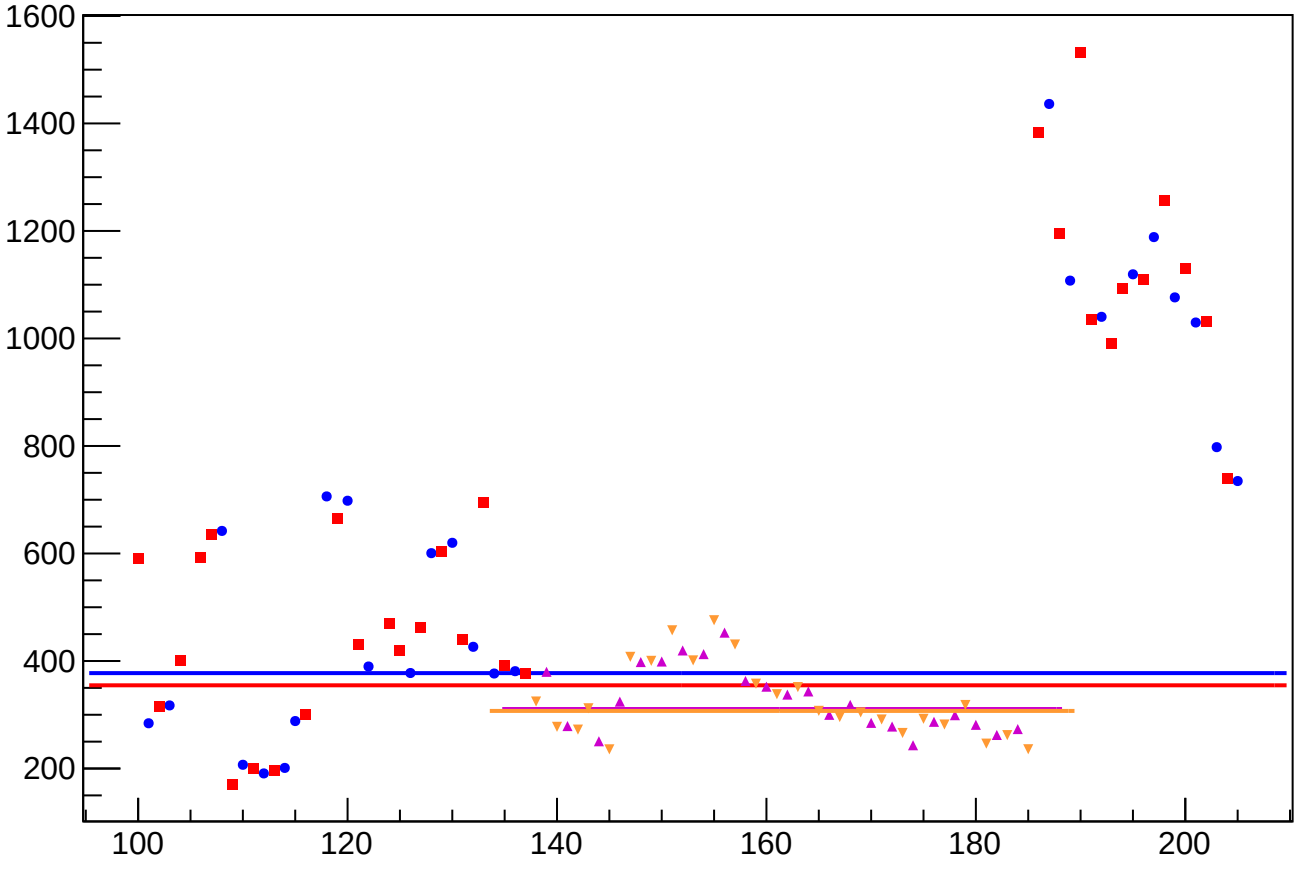
Right: 51.227+/-81.873 χ^2/NDF: 55.7/54

In: -20.992+/-62.784 χ^2/NDF:63.8/47

Out: -117.829+/-60.215 χ^2/NDF:92.4/54

All: -71.432+/-43.458 χ^2/NDF: 157.5/102

asym_sam7_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 377.475+/-0.084 χ^2/NDF: 7943121.3/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 354.793+/-0.080 χ^2/NDF: 10465209.2/29

Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

Left: 308.857+/-0.036 χ^2/NDF: 2402026.6/47

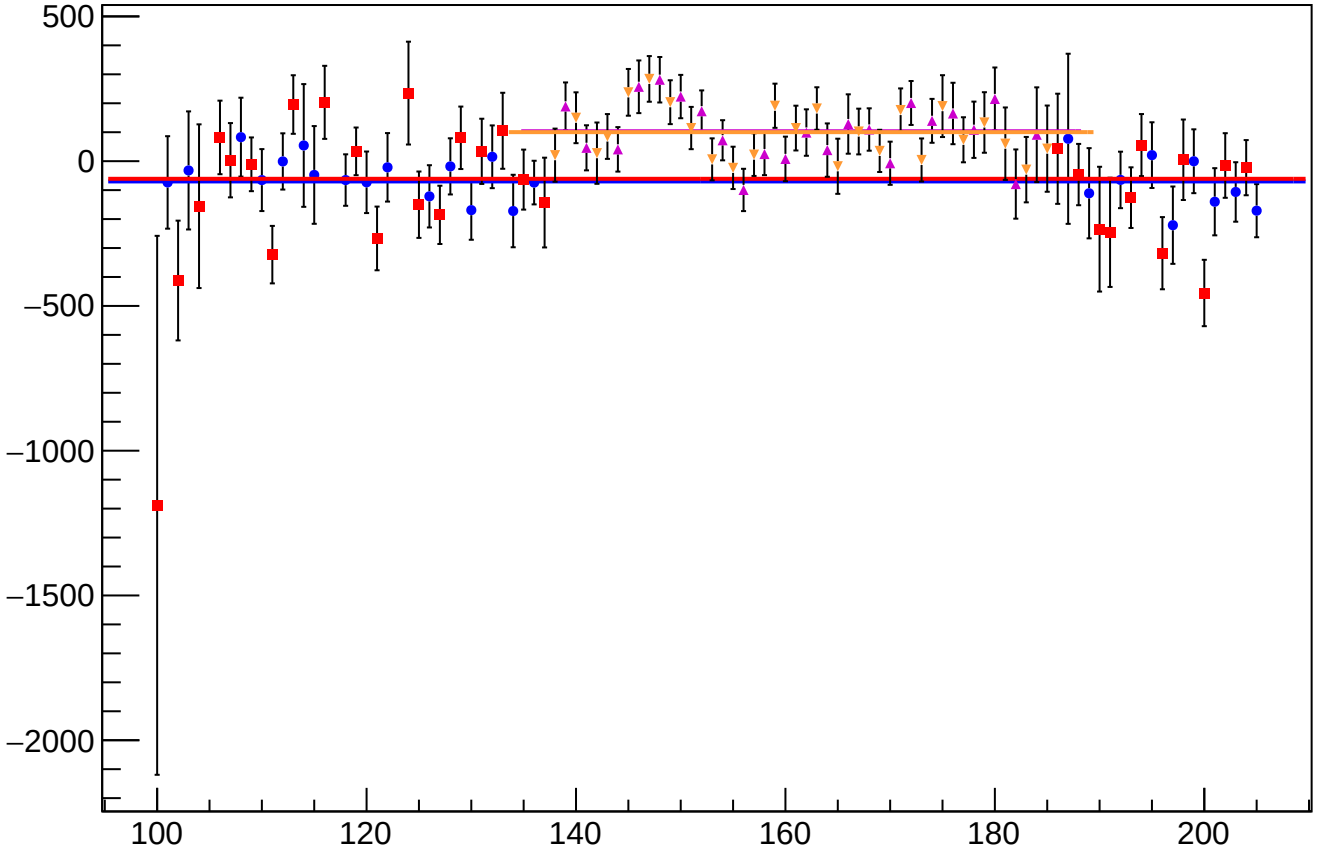
Right: 365.477+/-0.058 χ^2/NDF: 18446577.4/54

In: 329.194+/-0.044 χ^2/NDF:9475710.6/47

Out: 320.777+/-0.043 χ^2/NDF:12041171.1/54

All: 324.810+/-0.031 χ^2/NDF: 21535605.5/10

dit_asym_sam7_mean vs Slug, Sign Corrected



Right In: -69.975+/-22.766 χ^2/NDF: 9.4/24

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: -60.902+/-22.035 χ^2/NDF: 58.2/29

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

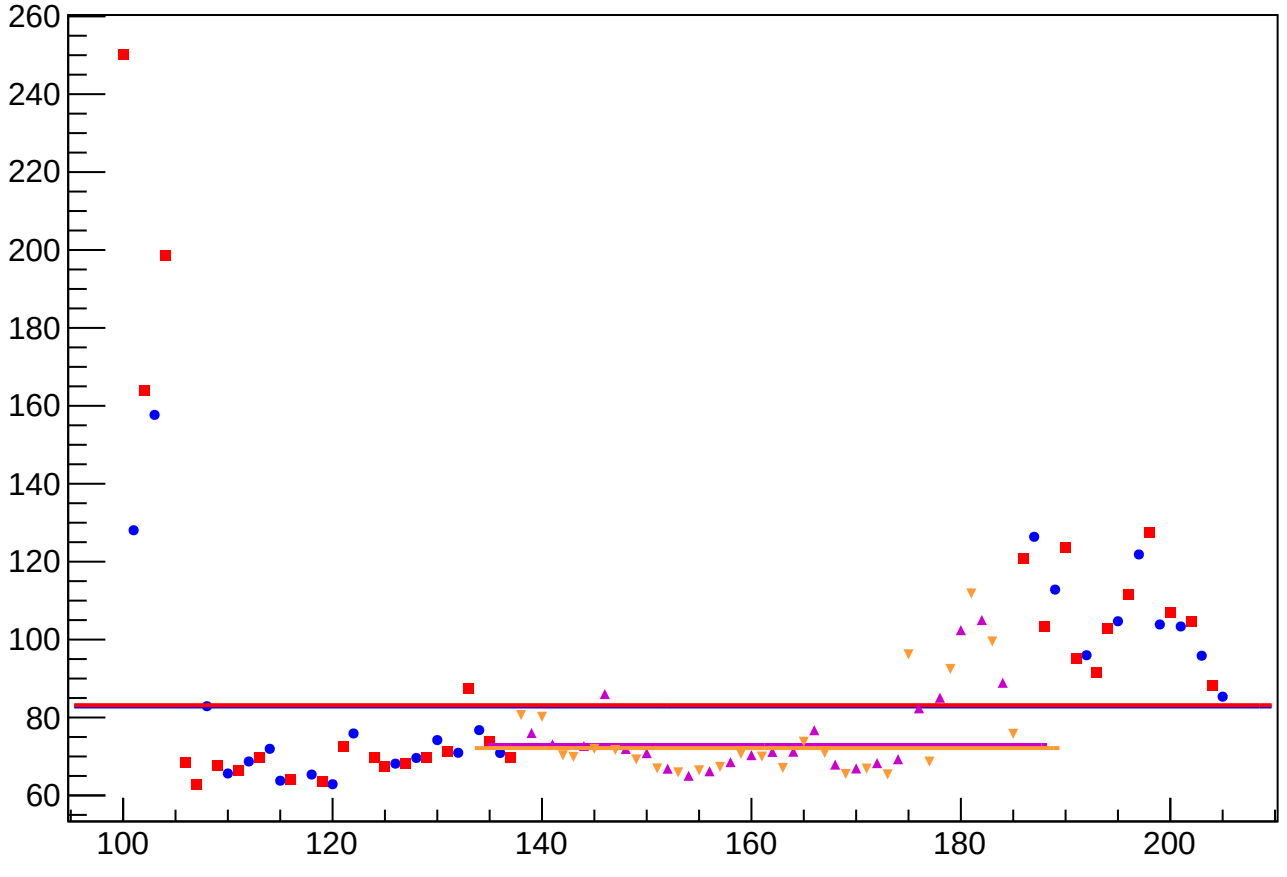
Right: -65.290+/-15.833 χ^2/NDF: 67.8/54

In: 40.094+/-13.754 χ^2/NDF:79.0/47

Out: 41.809+/-13.271 χ^2/NDF:120.0/54

All: 40.982+/-9.550 χ^2/NDF: 199.0/102

dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.829+/-0.016 χ^2/NDF: 1445436.6/24

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 83.161+/-0.016 χ^2/NDF: 2071212.6/29

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

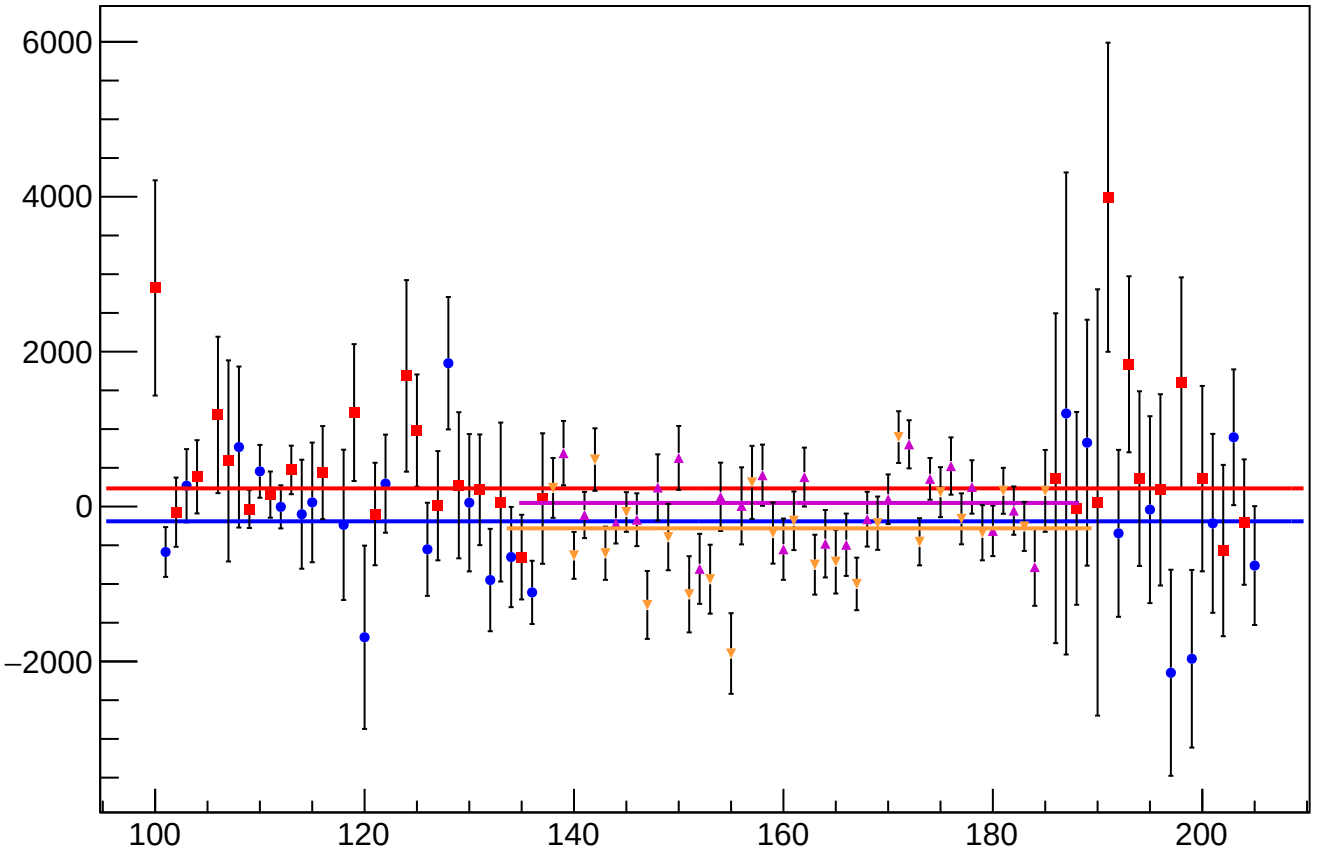
Left: 72.534+/-0.008 χ^2/NDF: 1153218.8/47

Right: 83.001+/-0.011 χ^2/NDF: 3516868.5/54

In: 76.555+/-0.010 χ^2/NDF:2193712.7/47

Out: 76.144+/-0.009 χ^2/NDF:3031463.5/54

All: 76.342+/-0.007 χ^2/NDF: 5226100.0/102



Right In: -190.506+/-121.498 χ^2/NDF: 30.0/24

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 234.599+/-114.445 χ^2/NDF: 21.1/29

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

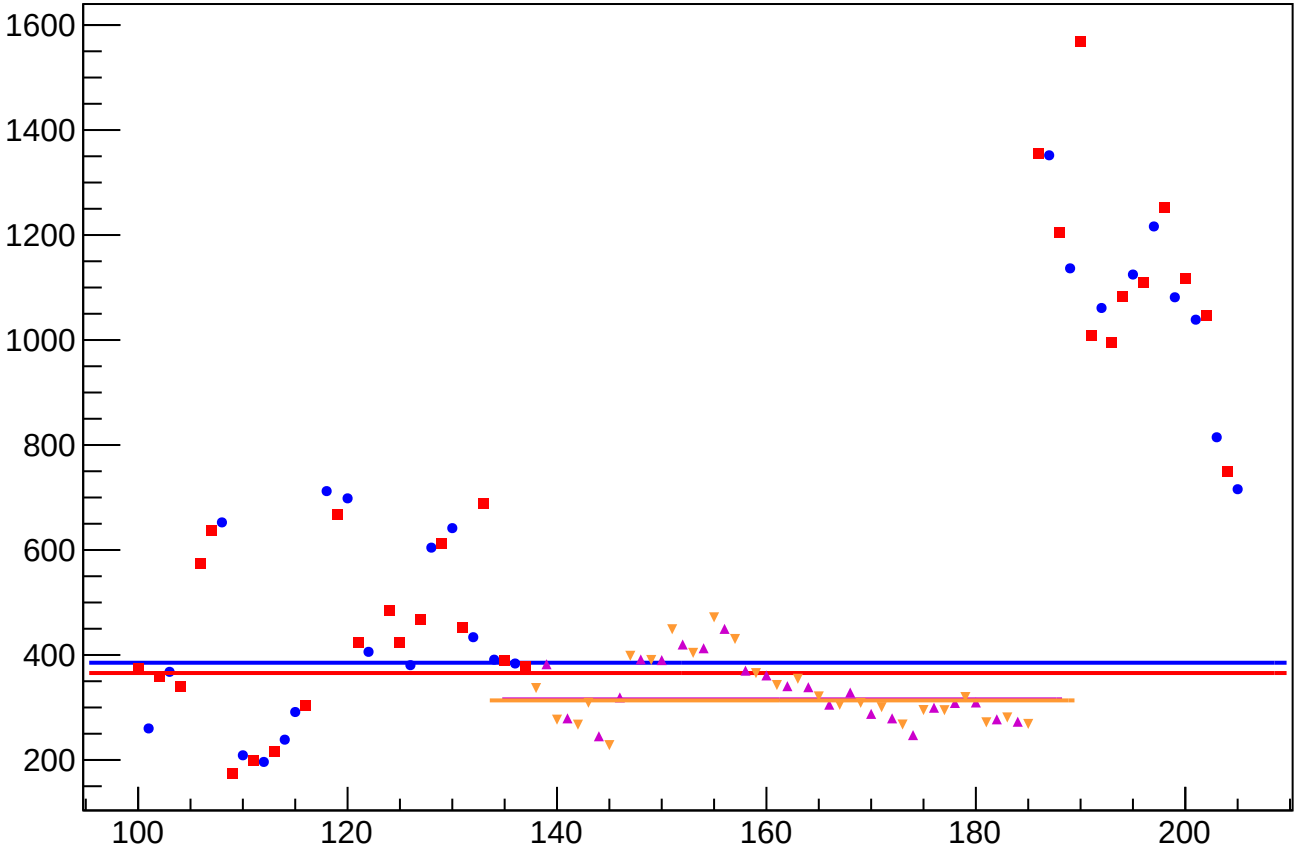
Right: 34.744+/-83.307 χ^2/NDF: 57.5/54

In: -18.713+/-63.757 χ^2/NDF:63.5/47

Out: -133.378+/-61.268 χ^2/NDF:92.4/54

All: -78.327+/-44.177 χ^2/NDF: 157.5/102

asym_sam7_dit_correction_rms vs Slug, Sign Corrected



Right In: 385.243+/-0.086 χ^2/NDF: 7877395.3/24

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 365.631+/-0.081 χ^2/NDF: 10119952.7/29

Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

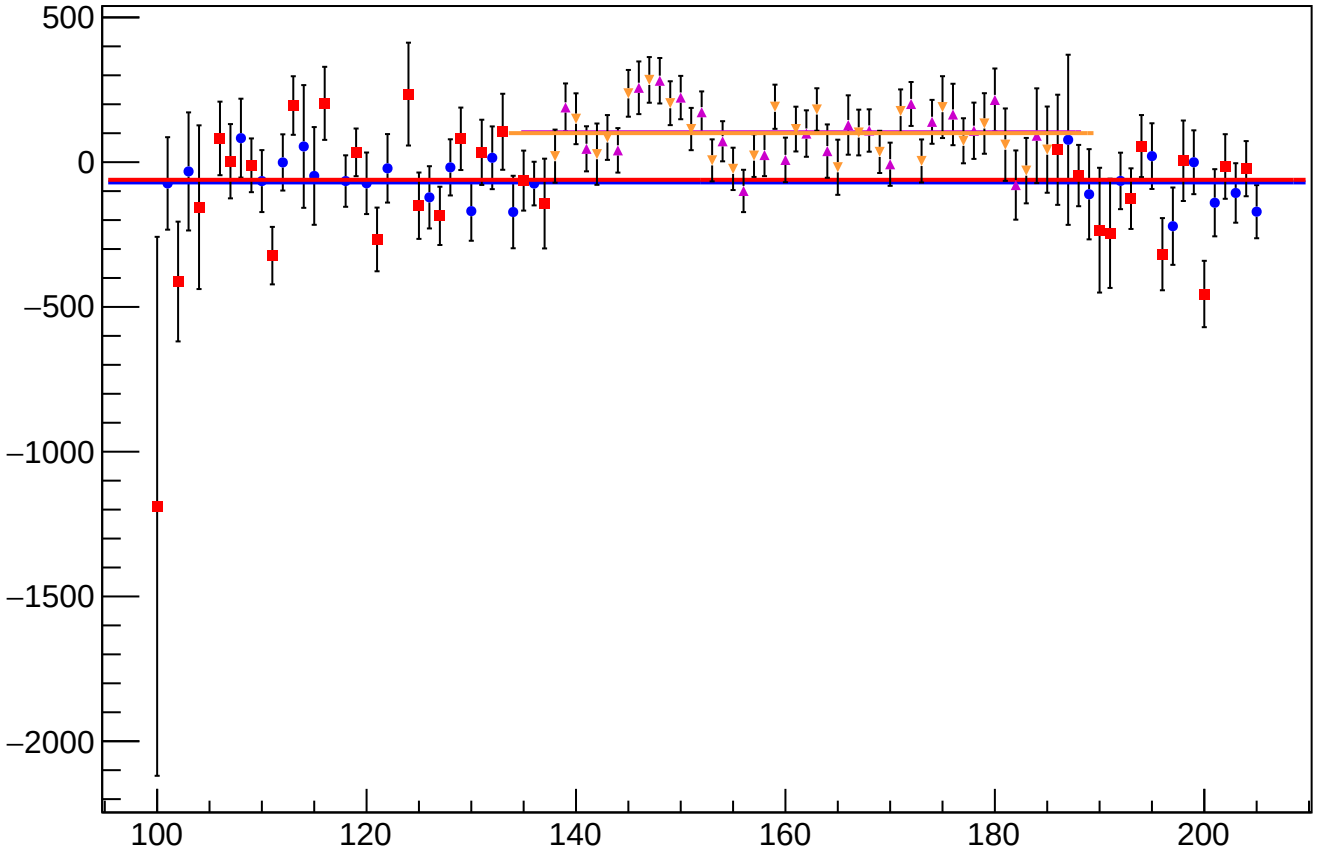
Left: 314.446+/-0.037 χ^2/NDF: 2184755.7/47

Right: 374.851+/-0.059 χ^2/NDF: 18024959.2/54

In: 334.672+/-0.045 χ^2/NDF:9364066.8/47

Out: 328.441+/-0.043 χ^2/NDF:11591529.5/54

All: 331.432+/-0.031 χ^2/NDF: 20965529.9/10



Right In: -69.974+/-22.766 χ^2/NDF: 9.4/24

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: -60.902+/-22.035 χ^2/NDF: 58.2/29

Left In: 103.363+/-17.260 χ^2/NDF:32.7/22

Left: 101.762+/-11.974 χ^2/NDF: 60.4/47

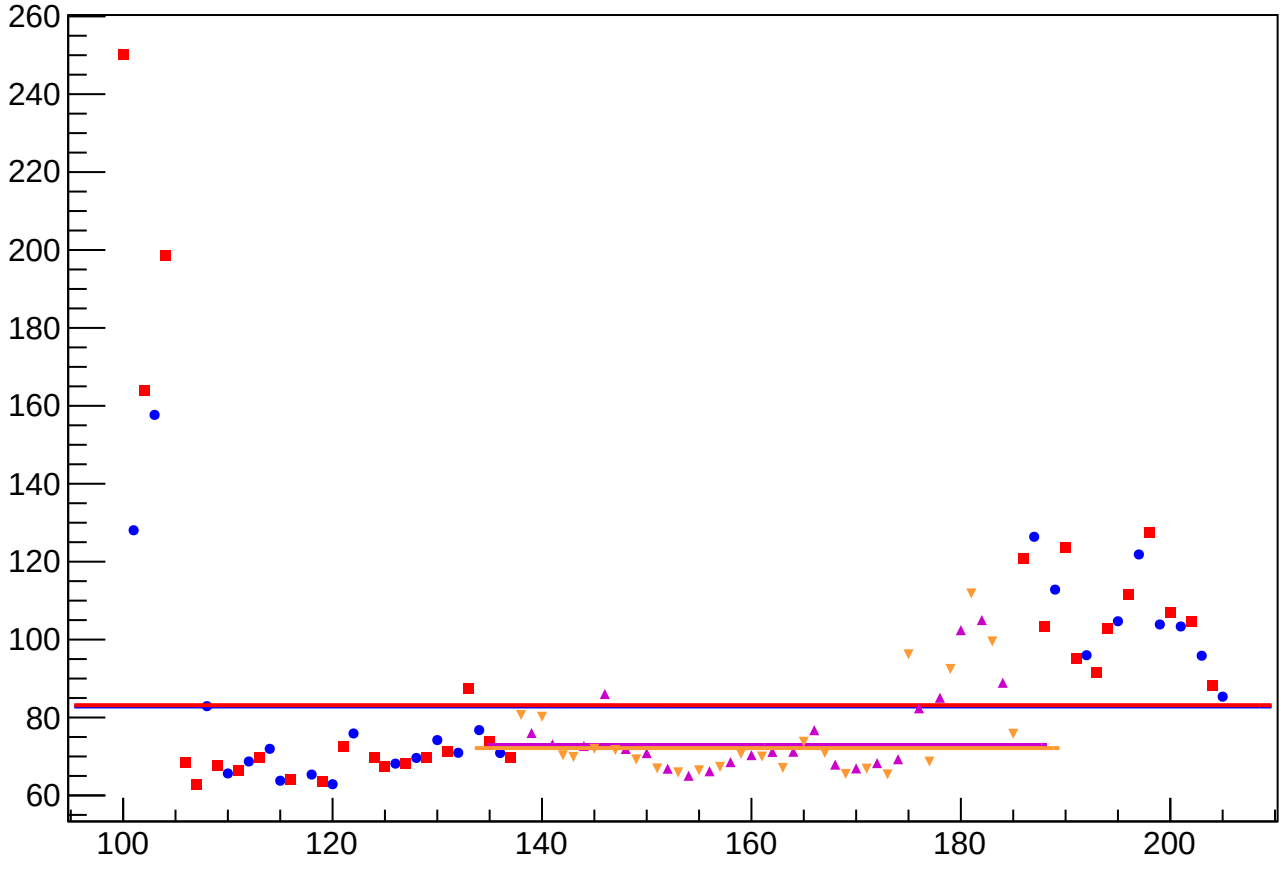
Right: -65.290+/-15.833 χ^2/NDF: 67.8/54

In: 40.094+/-13.754 χ^2/NDF:79.0/47

Out: 41.808+/-13.271 χ^2/NDF:120.0/54

All: 40.982+/-9.550 χ^2/NDF: 199.0/102

eigen_dit_asym_sam7_rms vs Slug, Sign Corrected



Right In: 82.829+/-0.016 χ^2/NDF: 1445444.9/24

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 83.161+/-0.016 χ^2/NDF: 2071214.5/29

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

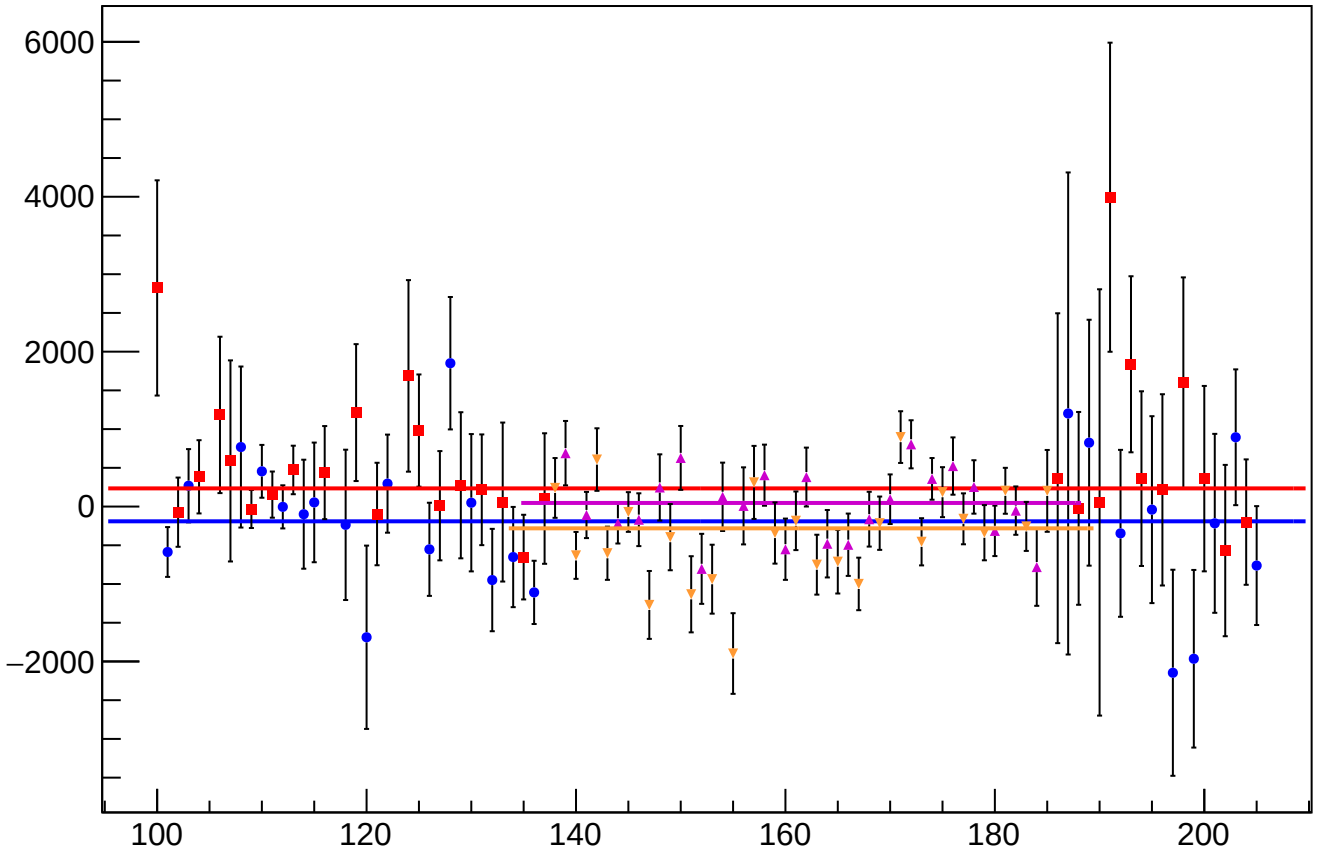
Left: 72.534+/-0.008 χ^2/NDF: 1153216.9/47

Right: 83.001+/-0.011 χ^2/NDF: 3516878.7/54

In: 76.555+/-0.010 χ^2/NDF:2193715.1/47

Out: 76.144+/-0.009 χ^2/NDF:3031456.1/54

All: 76.342+/-0.007 χ^2/NDF: 5226095.1/102



Right In: -190.504+/-121.498 χ^2/NDF: 30.0/24

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: 234.598+/-114.445 χ^2/NDF: 21.1/29

Left In: 46.569+/-74.897 χ^2/NDF:30.7/22

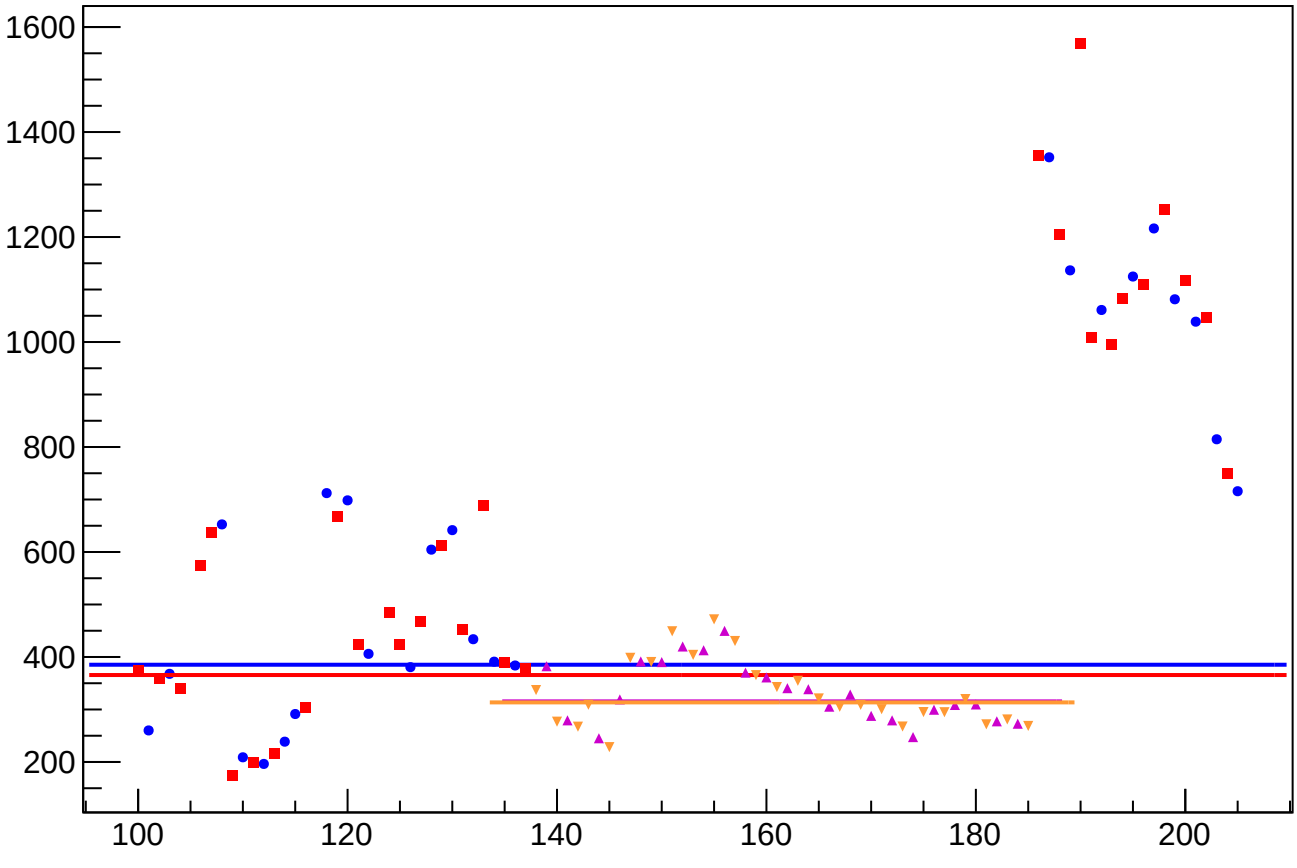
Left: -122.562+/-52.106 χ^2/NDF: 97.4/47

Right: 34.744+/-83.307 χ^2/NDF: 57.5/54

In: -18.713+/-63.756 χ^2/NDF:63.5/47

Out: -133.377+/-61.268 χ^2/NDF:92.4/54

All: -78.327+/-44.176 χ^2/NDF: 157.5/102



Right In: 385.240+/-0.086 χ^2/NDF: 7877471.5/24

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 365.629+/-0.081 χ^2/NDF: 10119994.3/29

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

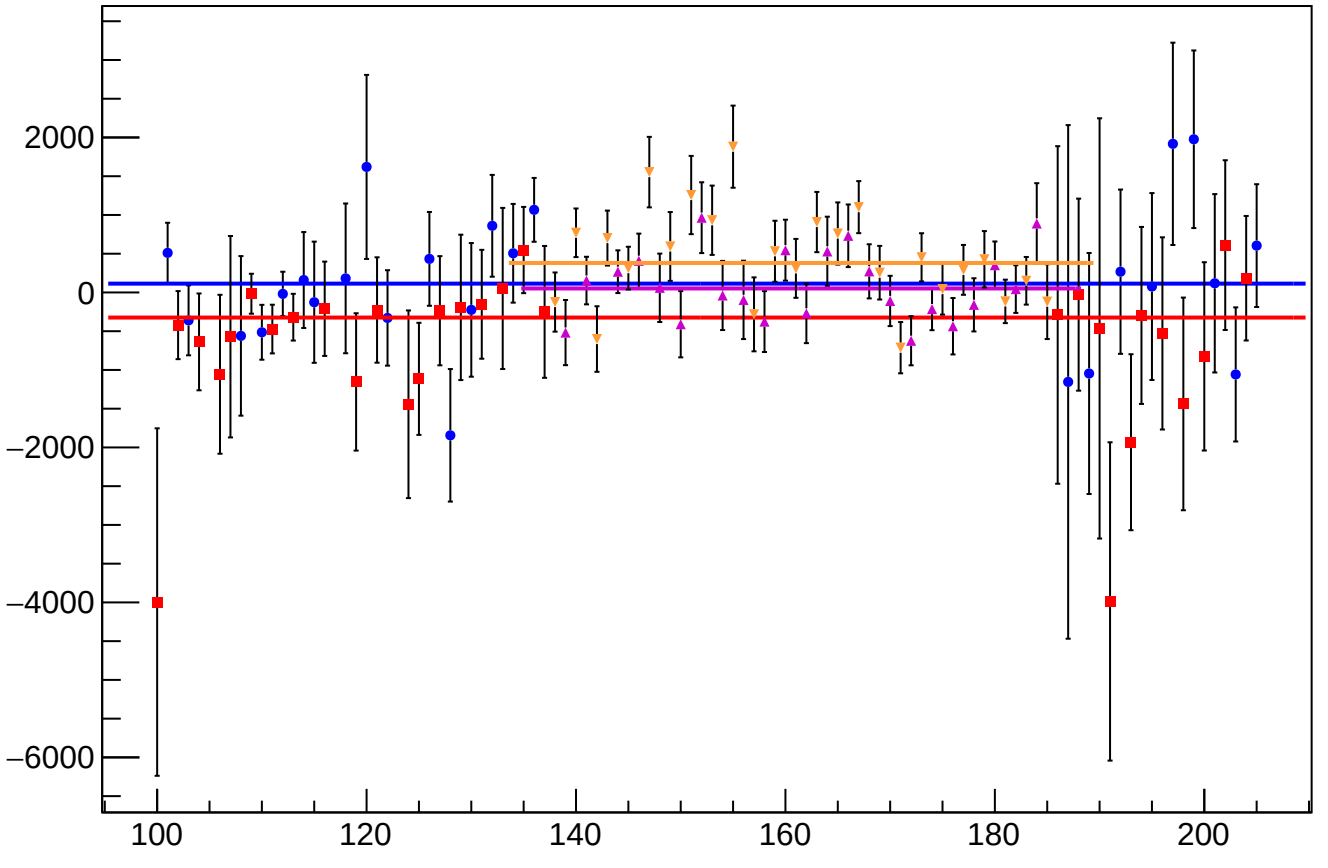
Left: 314.447+/-0.037 χ^2/NDF: 2184760.0/47

Right: 374.849+/-0.059 χ^2/NDF: 18025074.3/54

In: 334.672+/-0.045 χ^2/NDF:9364101.7/47

Out: 328.440+/-0.043 χ^2/NDF:11591556.2/54

All: 331.432+/-0.031 χ^2/NDF: 20965591.4/10



Right In: 113.911+/-124.449 χ^2/NDF: 28.3/24

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: -323.969+/-117.734 χ^2/NDF: 18.1/29

Left In: 51.474+/-75.629 χ^2/NDF:28.2/22

Left: 221.742+/-52.545 χ^2/NDF: 93.4/47

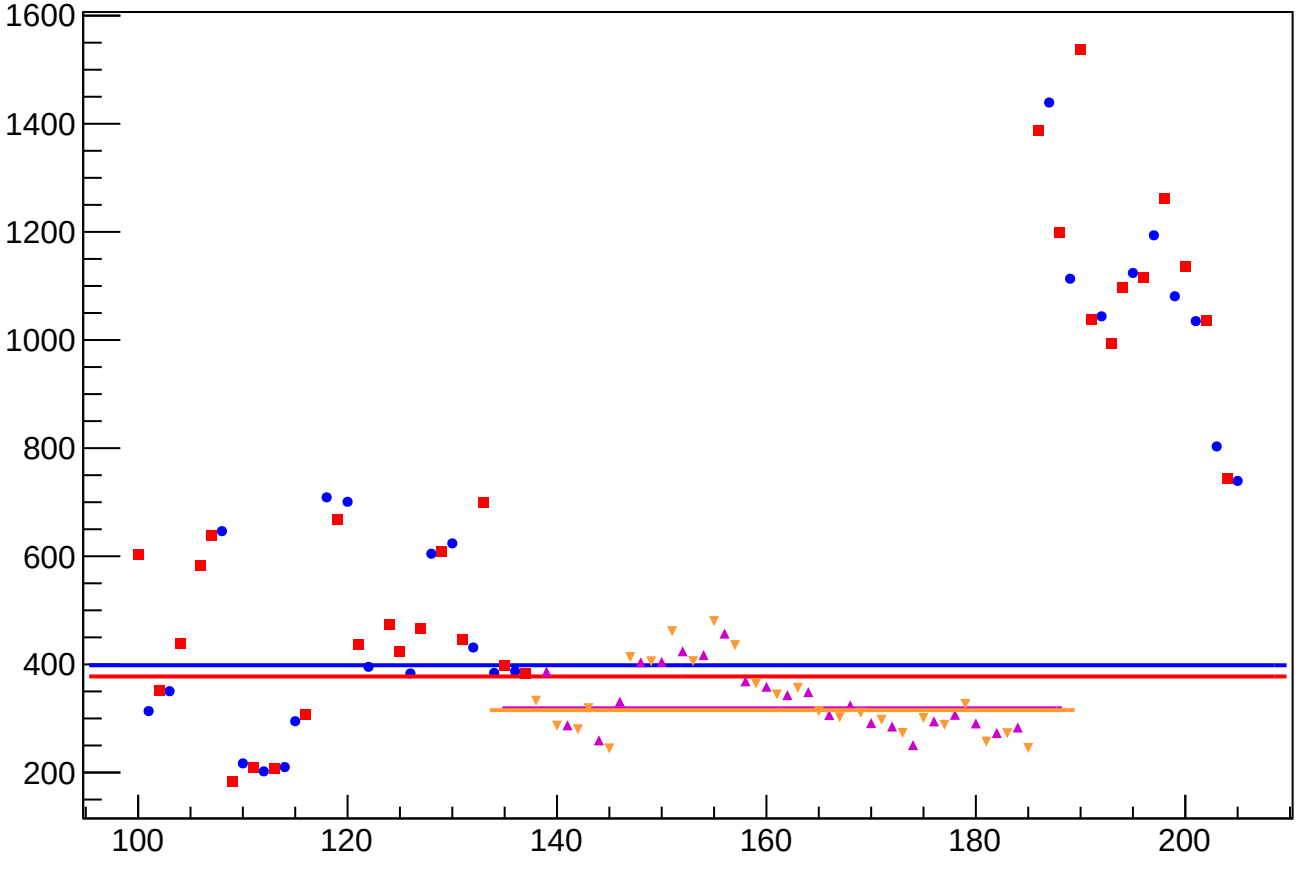
Right: -117.159+/-85.526 χ^2/NDF: 53.0/54

In: 68.314+/-64.631 χ^2/NDF:56.7/47

Out: 184.746+/-62.076 χ^2/NDF:99.4/54

All: 128.876+/-44.770 χ^2/NDF: 157.8/102

asym_sam7_rms vs Slug, Sign Corrected



Right In: 398.431+/-0.088 χ^2/NDF: 7476369.7/24

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 377.699+/-0.083 χ^2/NDF: 9915252.5/29

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

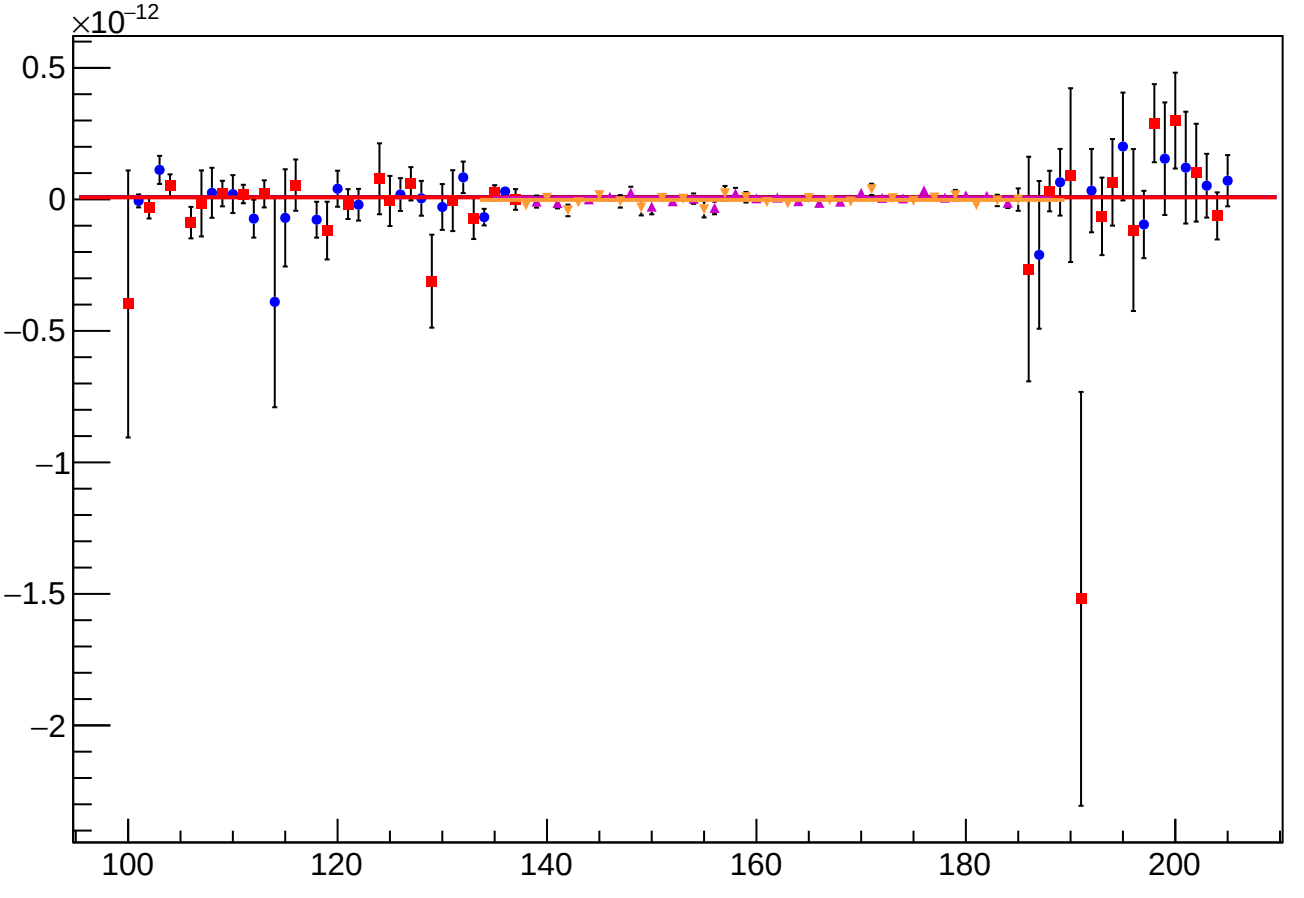
Left: 316.985+/-0.037 χ^2/NDF: 2203671.8/47

Right: 387.491+/-0.060 χ^2/NDF: 17420911.4/54

In: 340.196+/-0.046 χ^2/NDF:9067664.2/47

Out: 332.716+/-0.044 χ^2/NDF:11529735.0/54

All: 336.305+/-0.032 χ^2/NDF: 20611331.7/10



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/29

Left In: 0.000+/-0.000 χ^2/NDF:17.7/22

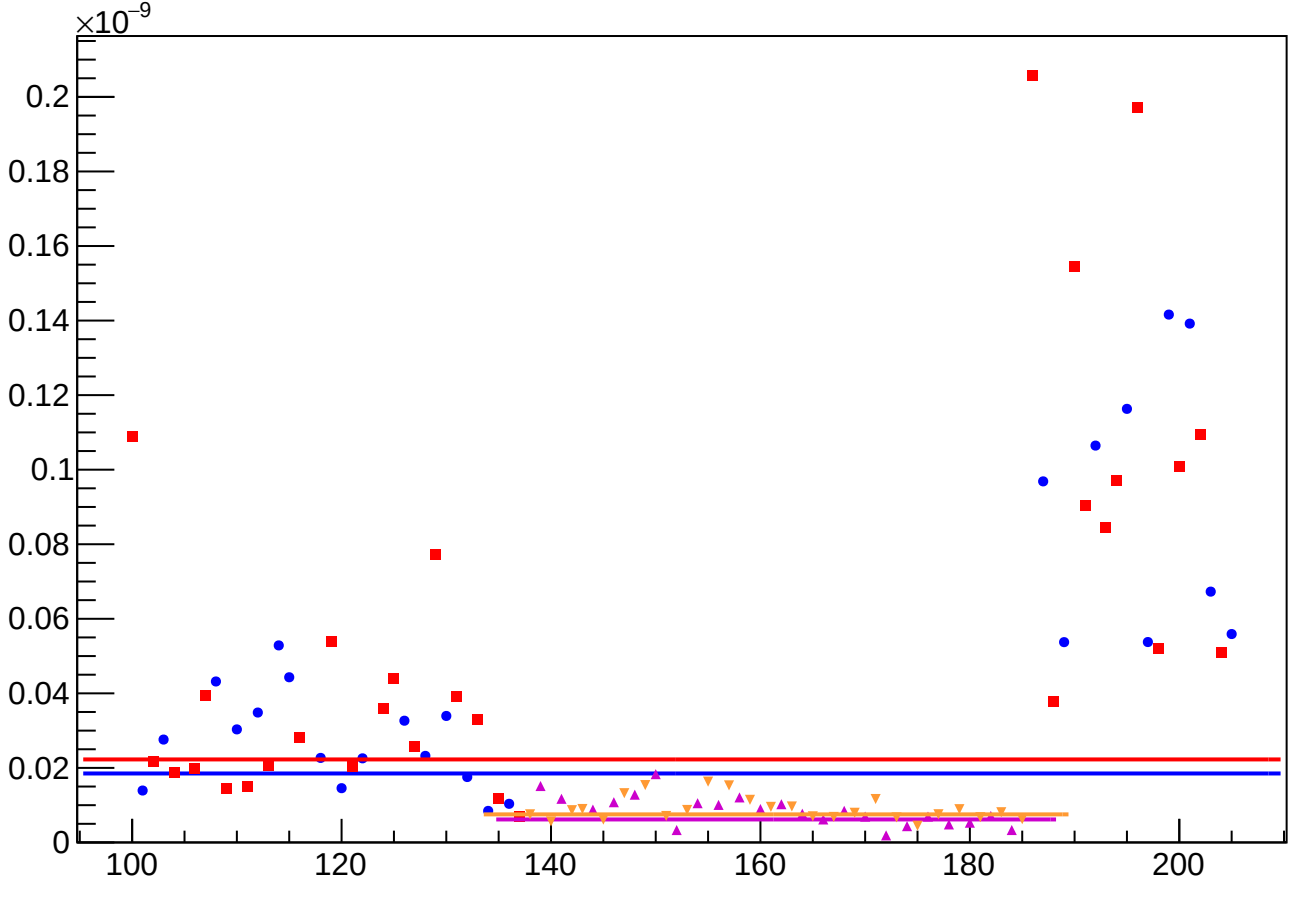
Left: 0.000+/-0.000 χ^2/NDF: 38.8/47

Right: 0.000+/-0.000 χ^2/NDF: 46.1/54

In: 0.000+/-0.000 χ^2/NDF:39.2/47

Out: -0.000+/-0.000 χ^2/NDF:44.3/54

All: 0.000+/-0.000 χ^2/NDF: 85.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 4757091.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4686936.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

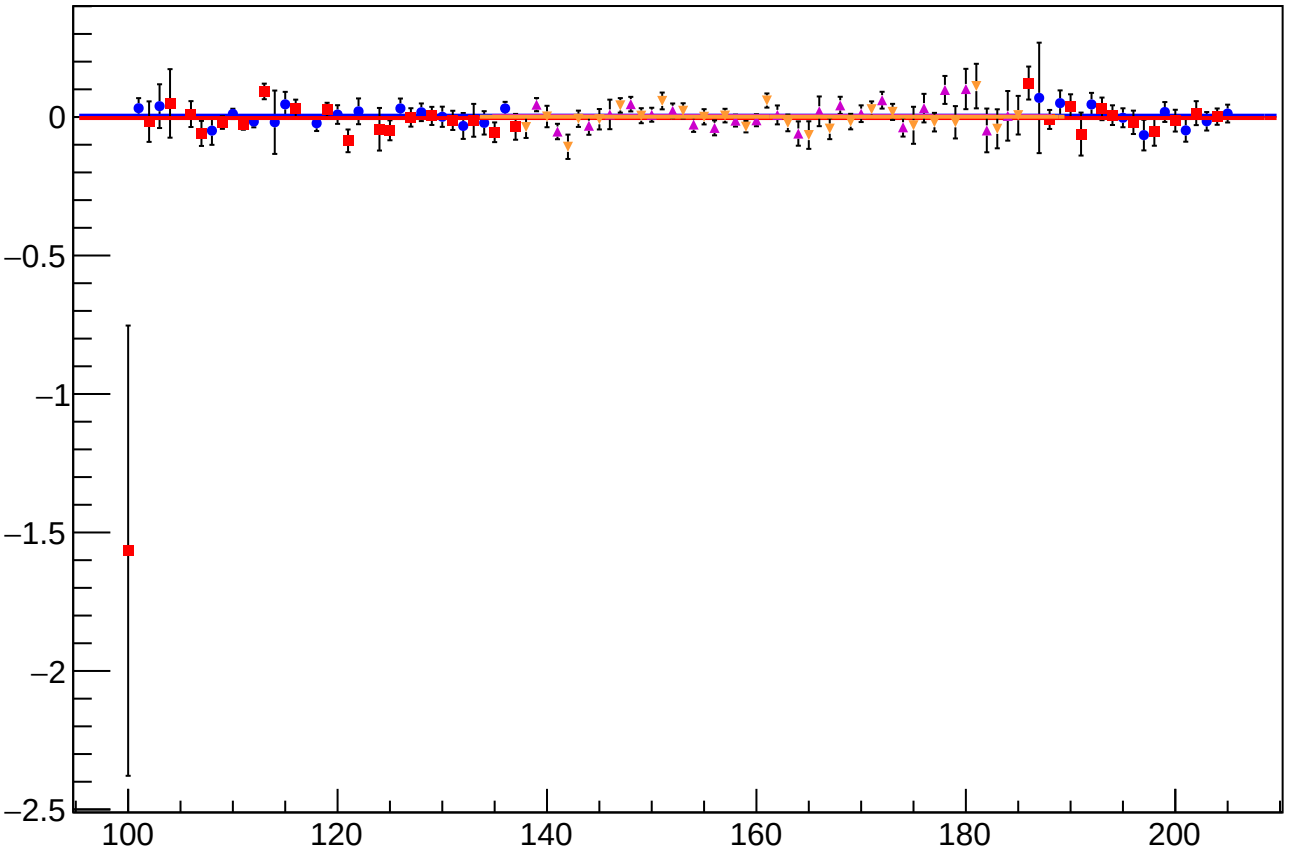
Left: 0.000+/-0.000 χ^2/NDF: 4183311.6/47

Right: 0.000+/-0.000 χ^2/NDF: 9550667.3/54

In: 0.000+/-0.000 χ^2/NDF:10009085.6/47

Out: 0.000+/-0.000 χ^2/NDF:8570290.0/54

All: 0.000+/-0.000 χ^2/NDF: 18793810.8/102



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/29

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

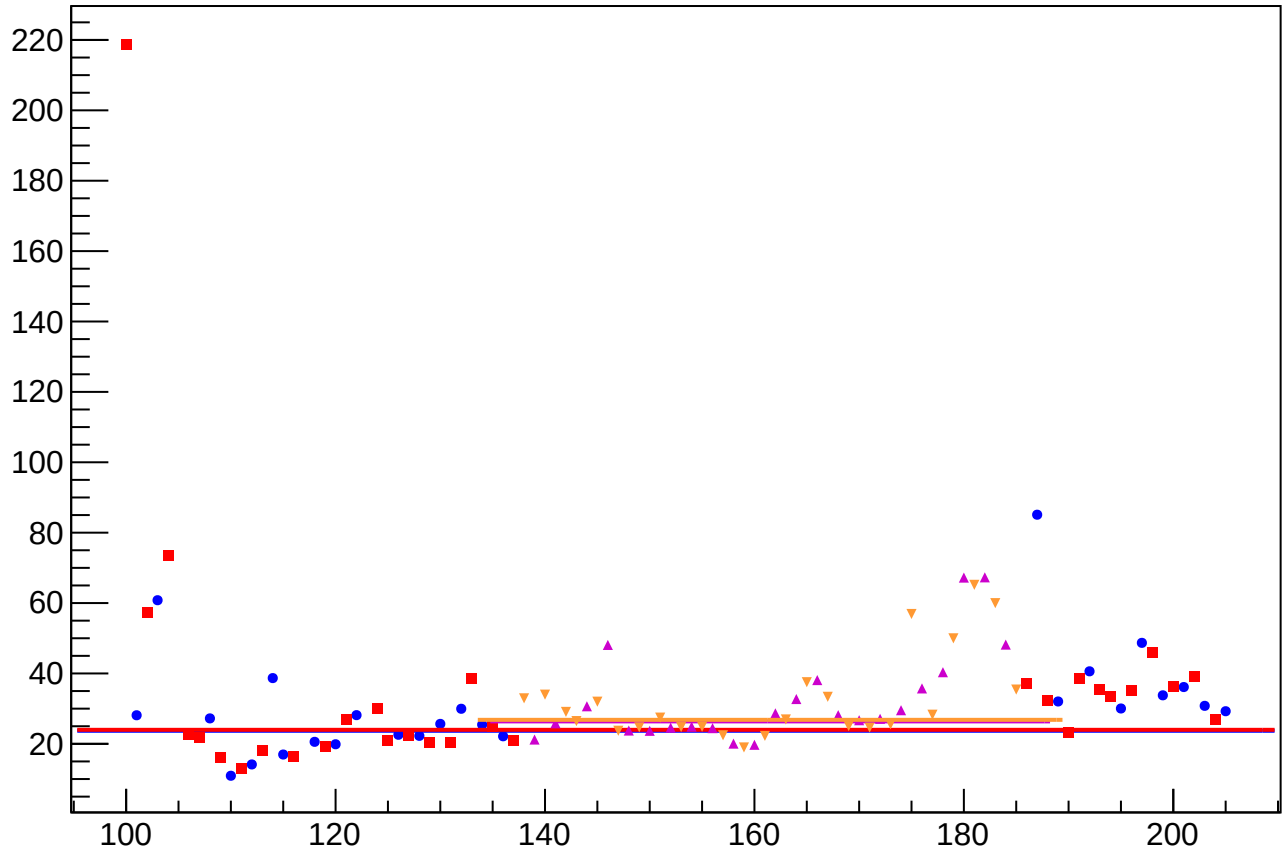
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.7/54

In: 0.004+/-0.005 χ^2/NDF:44.9/47

Out: -0.001+/-0.005 χ^2/NDF:68.7/54

All: 0.002+/-0.003 χ^2/NDF: 114.3/102



Right In: 23.716+/-0.005 χ^2/NDF: 3605344.0/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3770206.4/29

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

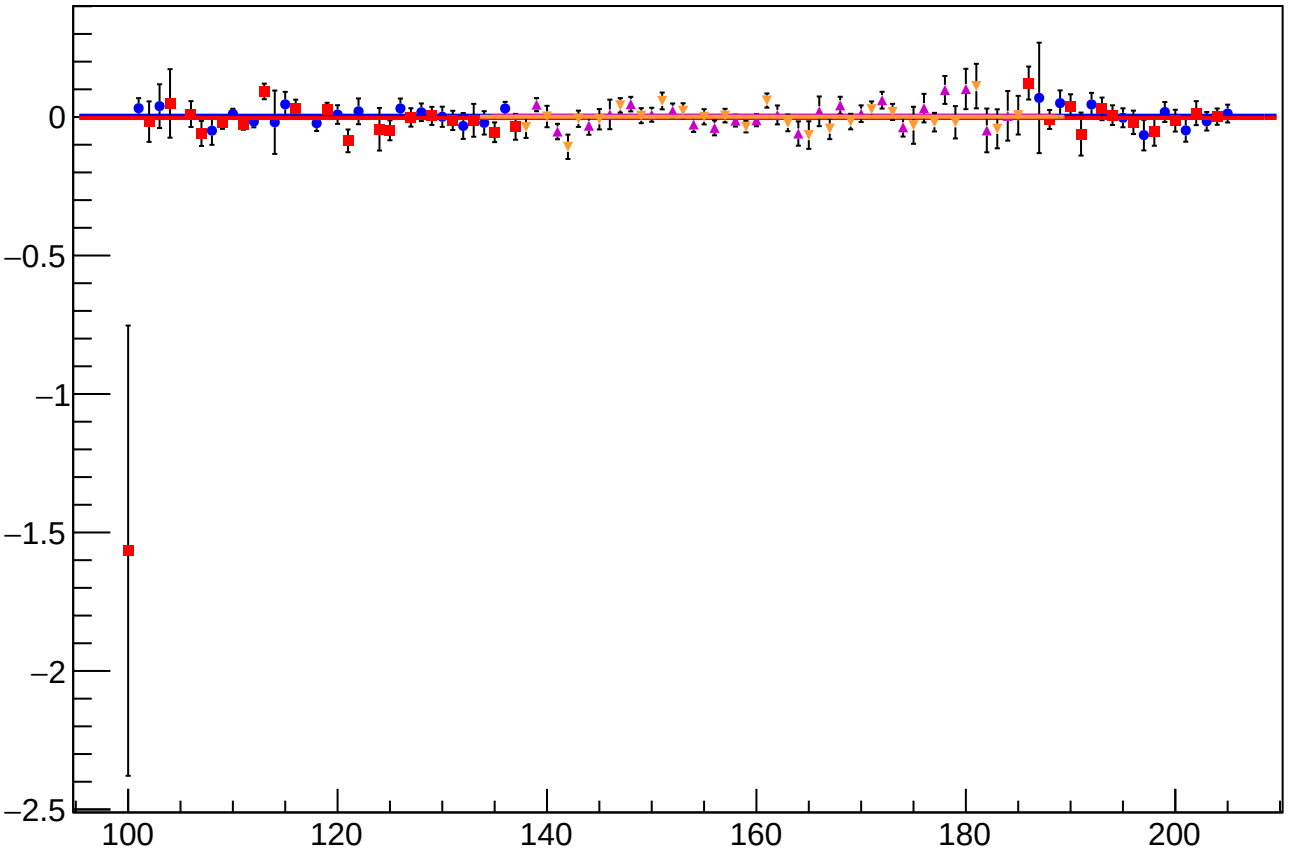
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.854+/-0.003 χ^2/NDF: 7377052.2/54

In: 25.122+/-0.003 χ^2/NDF:6324849.4/47

Out: 25.462+/-0.003 χ^2/NDF:6422745.1/54

All: 25.296+/-0.002 χ^2/NDF: 12752748.9/102



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/29

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

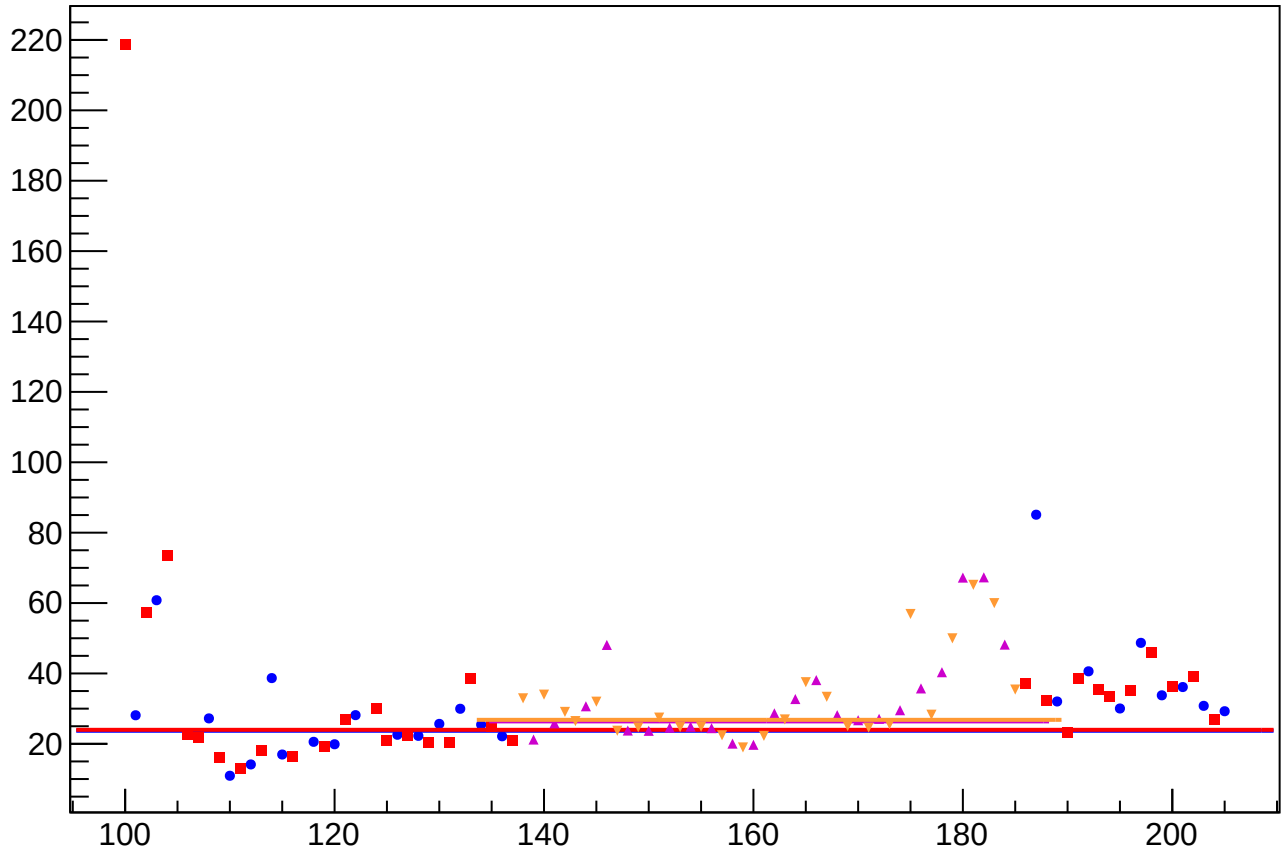
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.7/54

In: 0.004+/-0.005 χ^2/NDF:44.9/47

Out: -0.001+/-0.005 χ^2/NDF:68.7/54

All: 0.002+/-0.003 χ^2/NDF: 114.3/102



Right In: 23.716+/-0.005 χ^2/NDF: 3605344.0/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3770206.4/29

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

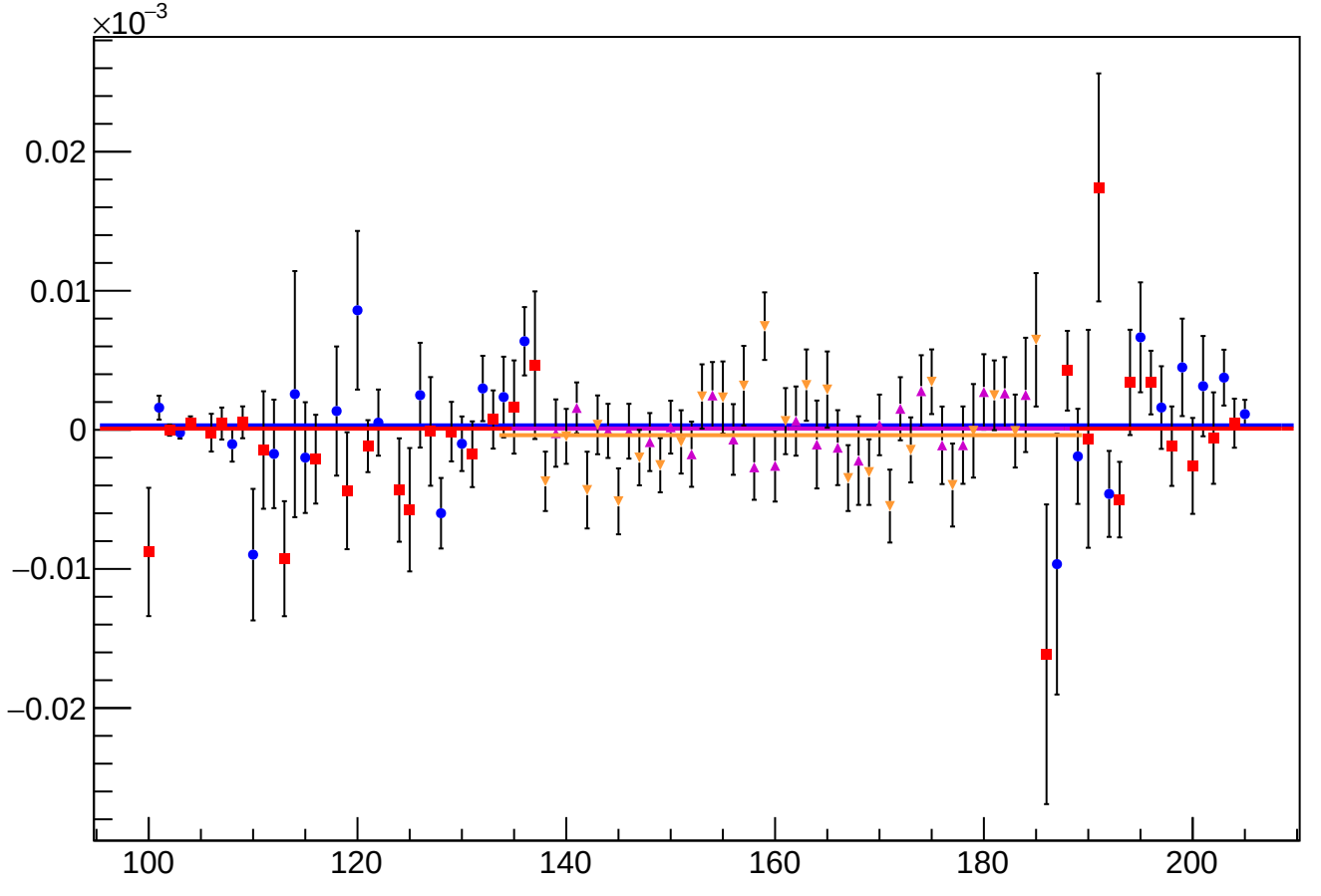
Left: 26.602+/-0.003 χ^2/NDF: 5040807.2/47

Right: 23.854+/-0.003 χ^2/NDF: 7377052.2/54

In: 25.122+/-0.003 χ^2/NDF:6324849.4/47

Out: 25.462+/-0.003 χ^2/NDF:6422745.1/54

All: 25.296+/-0.002 χ^2/NDF: 12752748.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.3/29

Left In: 0.000+/-0.000 χ^2/NDF:10.2/22

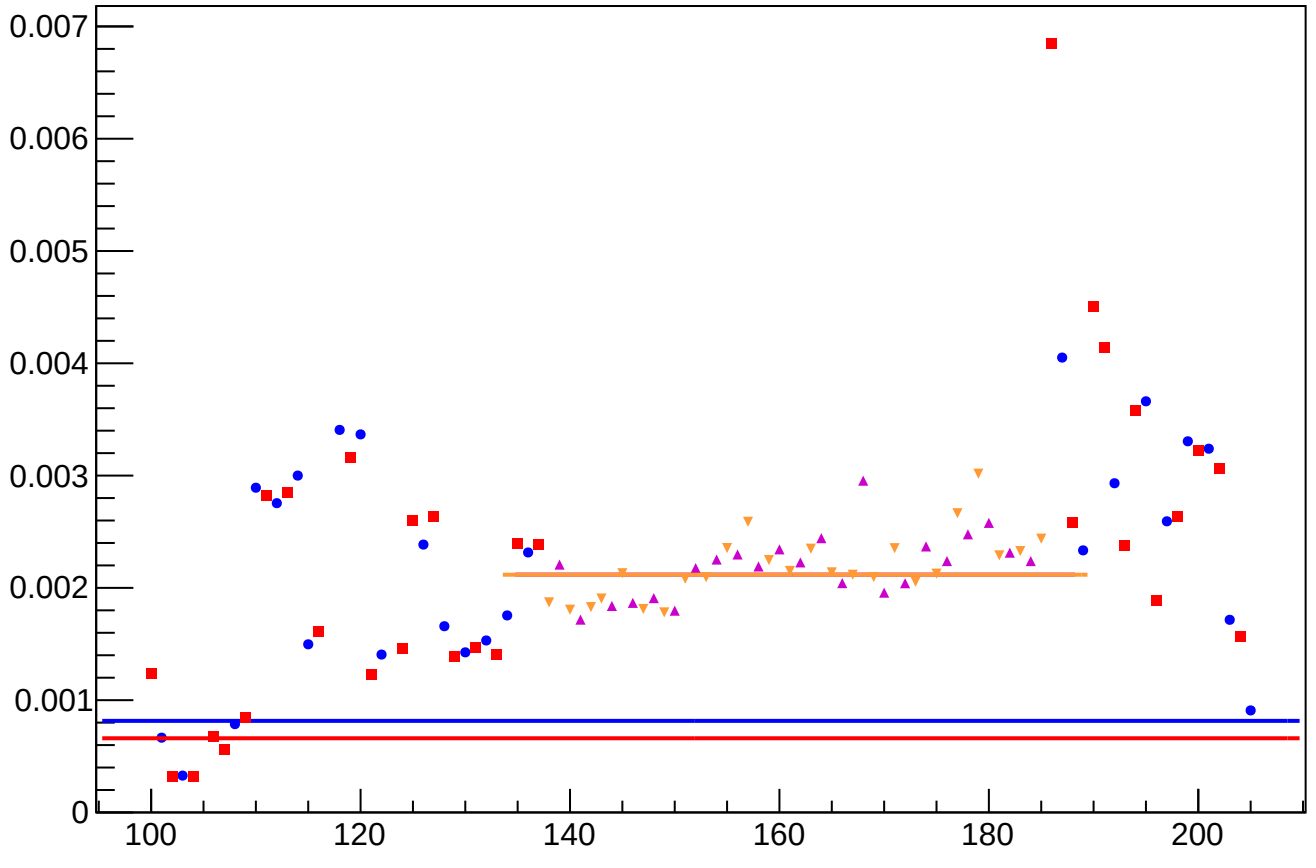
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: 0.000+/-0.000 χ^2/NDF: 72.5/54

In: 0.000+/-0.000 χ^2/NDF:49.2/47

Out: -0.000+/-0.000 χ^2/NDF:77.1/54

All: 0.000+/-0.000 χ^2/NDF: 127.0/102



Right In: 0.001+/-0.000 χ^2/NDF: 12497031.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15858658.5/29

Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

Left: 0.002+/-0.000 χ^2/NDF: 1167305.8/47

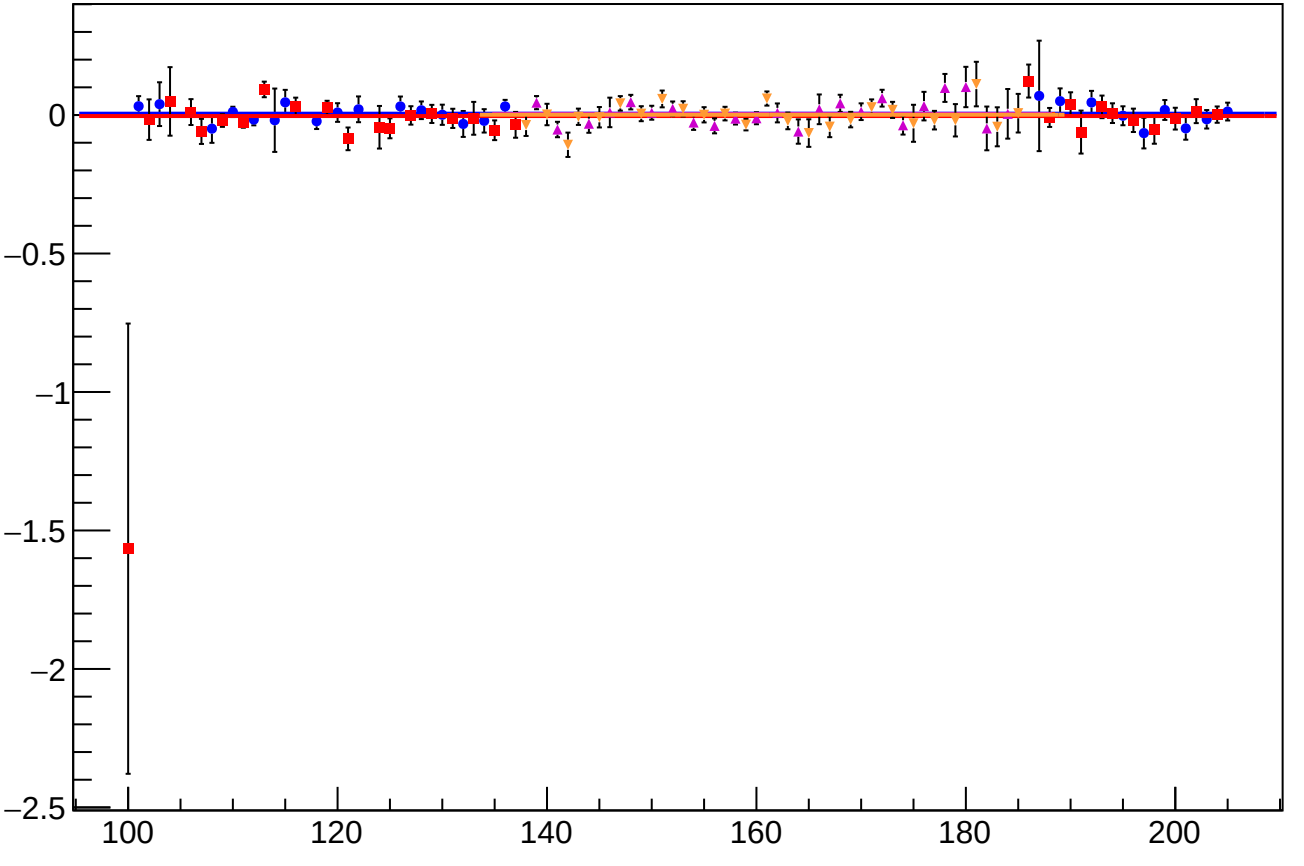
Right: 0.001+/-0.000 χ^2/NDF: 28663437.1/54

In: 0.001+/-0.000 χ^2/NDF:22968237.9/47

Out: 0.001+/-0.000 χ^2/NDF:30611798.3/54

All: 0.001+/-0.000 χ^2/NDF: 54282326.2/102

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/29

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

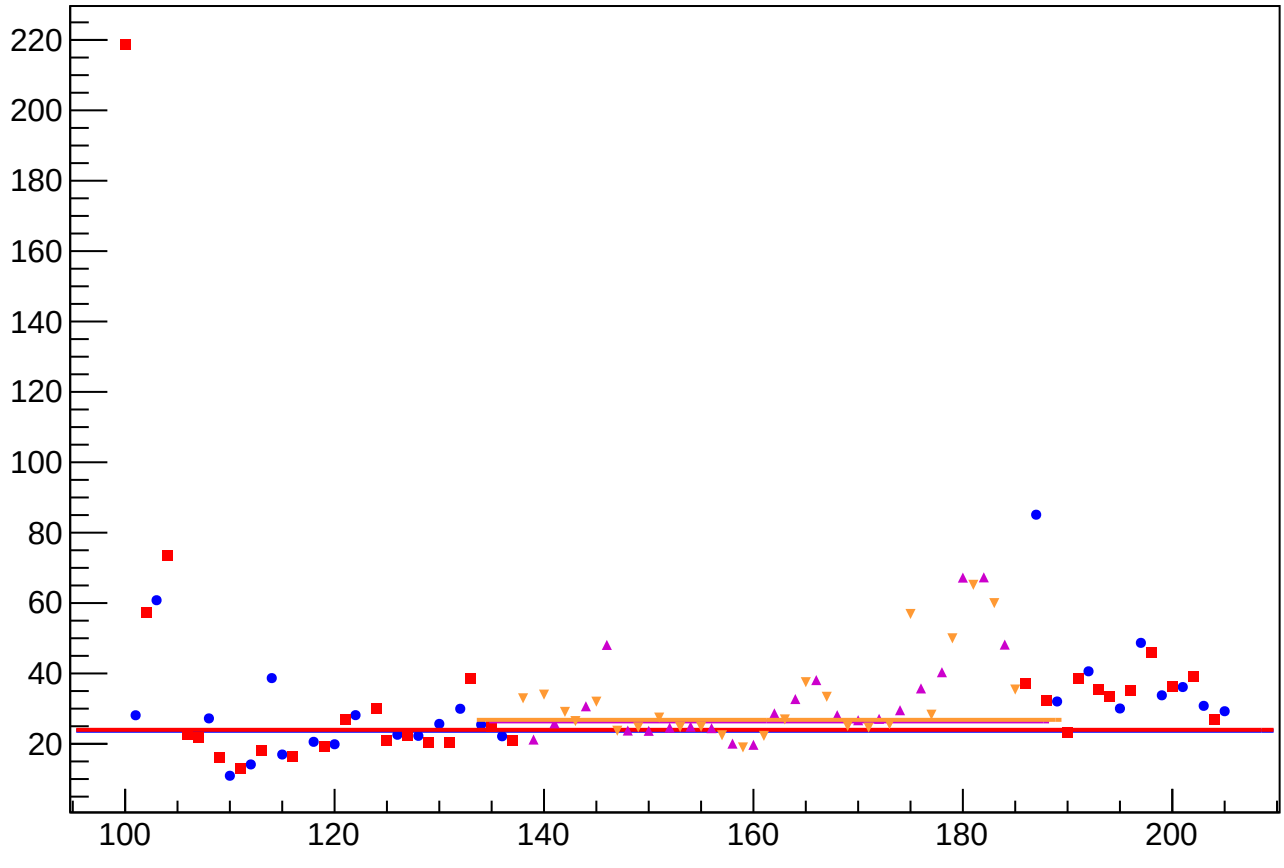
Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

Right: 0.000+/-0.005 χ^2/NDF: 52.7/54

In: 0.004+/-0.005 χ^2/NDF:44.9/47

Out: -0.001+/-0.005 χ^2/NDF:68.7/54

All: 0.002+/-0.003 χ^2/NDF: 114.3/102



Right In: 23.717+/-0.005 χ^2/NDF: 3605065.8/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3769981.1/29

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

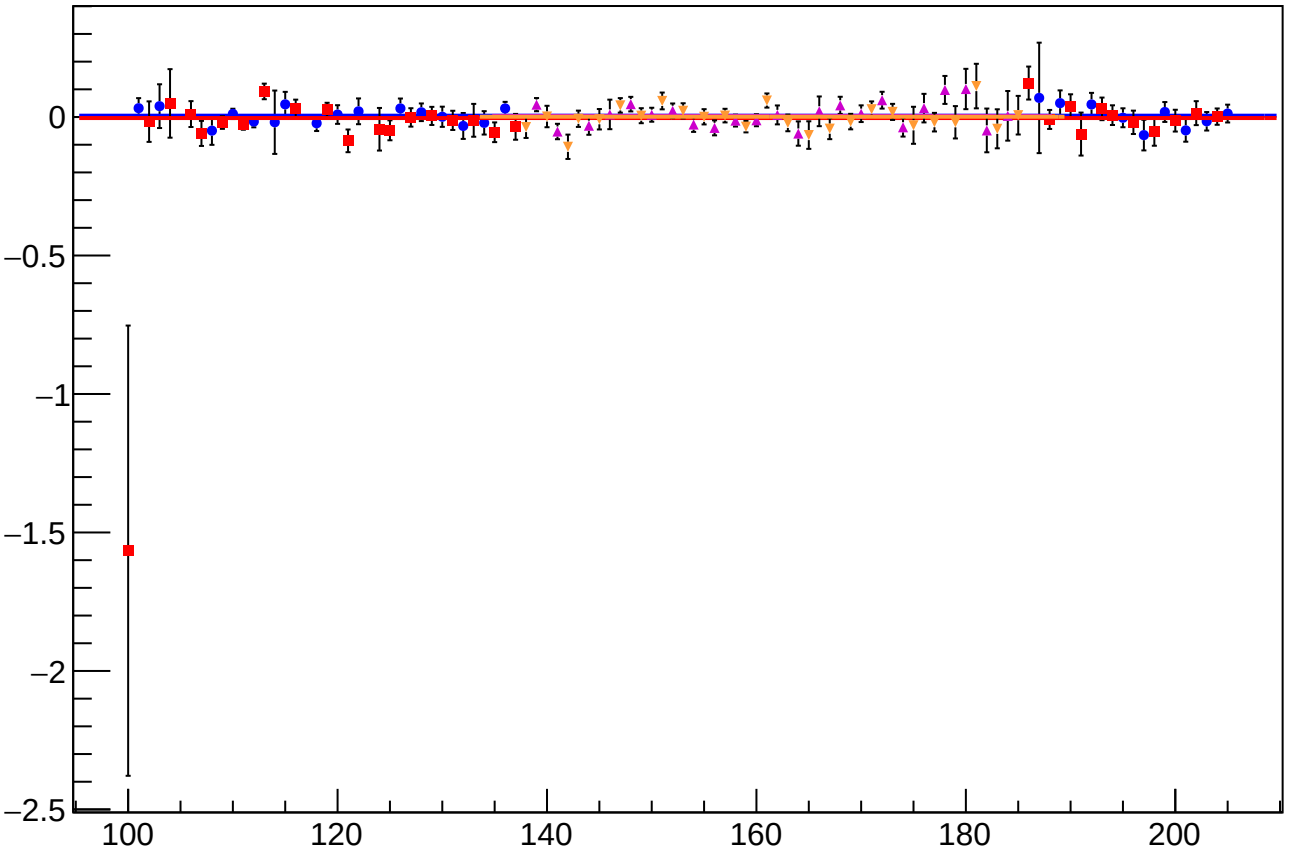
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.854+/-0.003 χ^2/NDF: 7376544.3/54

In: 25.122+/-0.003 χ^2/NDF:6324591.7/47

Out: 25.462+/-0.003 χ^2/NDF:6422562.5/54

All: 25.296+/-0.002 χ^2/NDF: 12752302.9/102



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.004+/-0.007 χ^2/NDF: 38.1/29

Left In: 0.004+/-0.007 χ^2/NDF:31.1/22

Left: 0.003+/-0.005 χ^2/NDF: 61.5/47

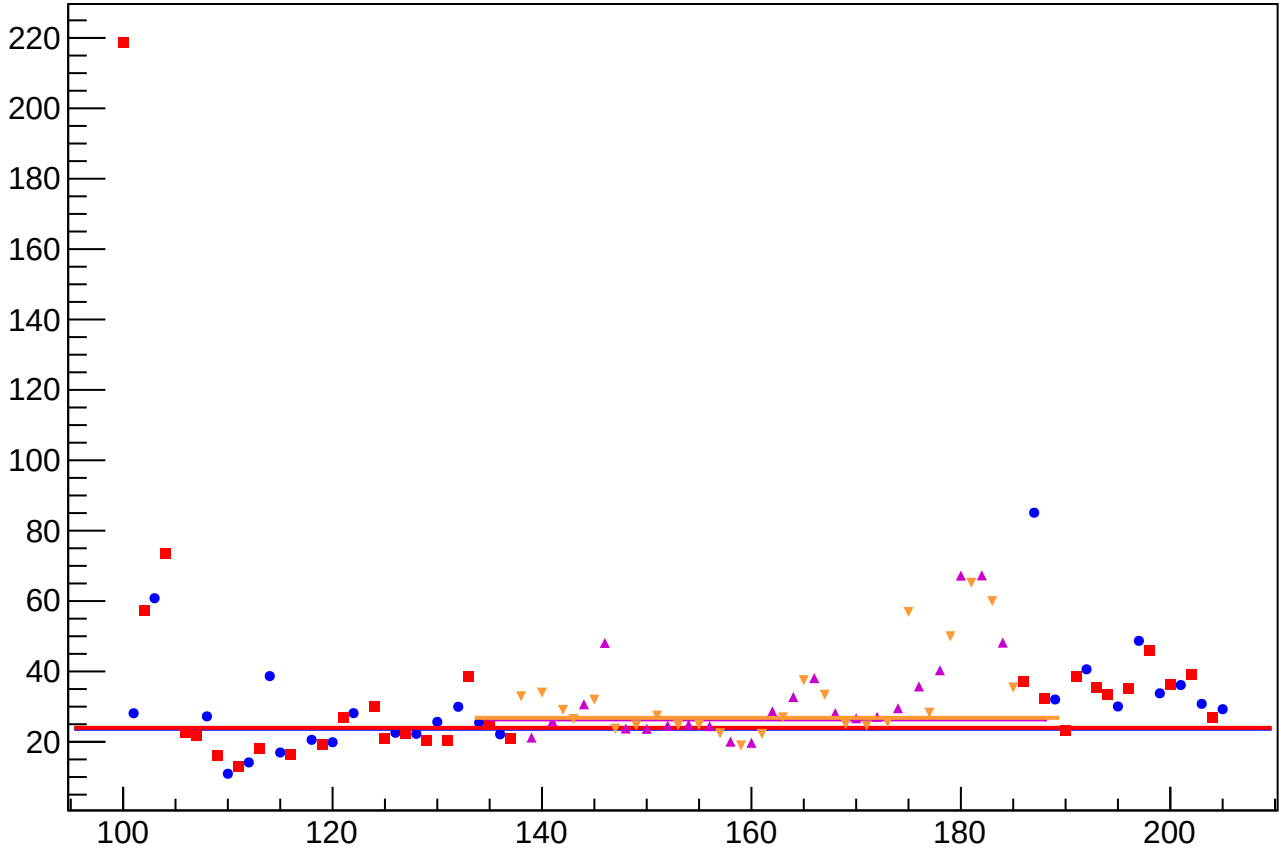
Right: 0.000+/-0.005 χ^2/NDF: 52.7/54

In: 0.004+/-0.005 χ^2/NDF:44.9/47

Out: -0.001+/-0.005 χ^2/NDF:68.7/54

All: 0.002+/-0.003 χ^2/NDF: 114.3/102

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.717+/-0.005 χ^2/NDF: 3605065.8/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 23.983+/-0.005 χ^2/NDF: 3769981.1/29

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

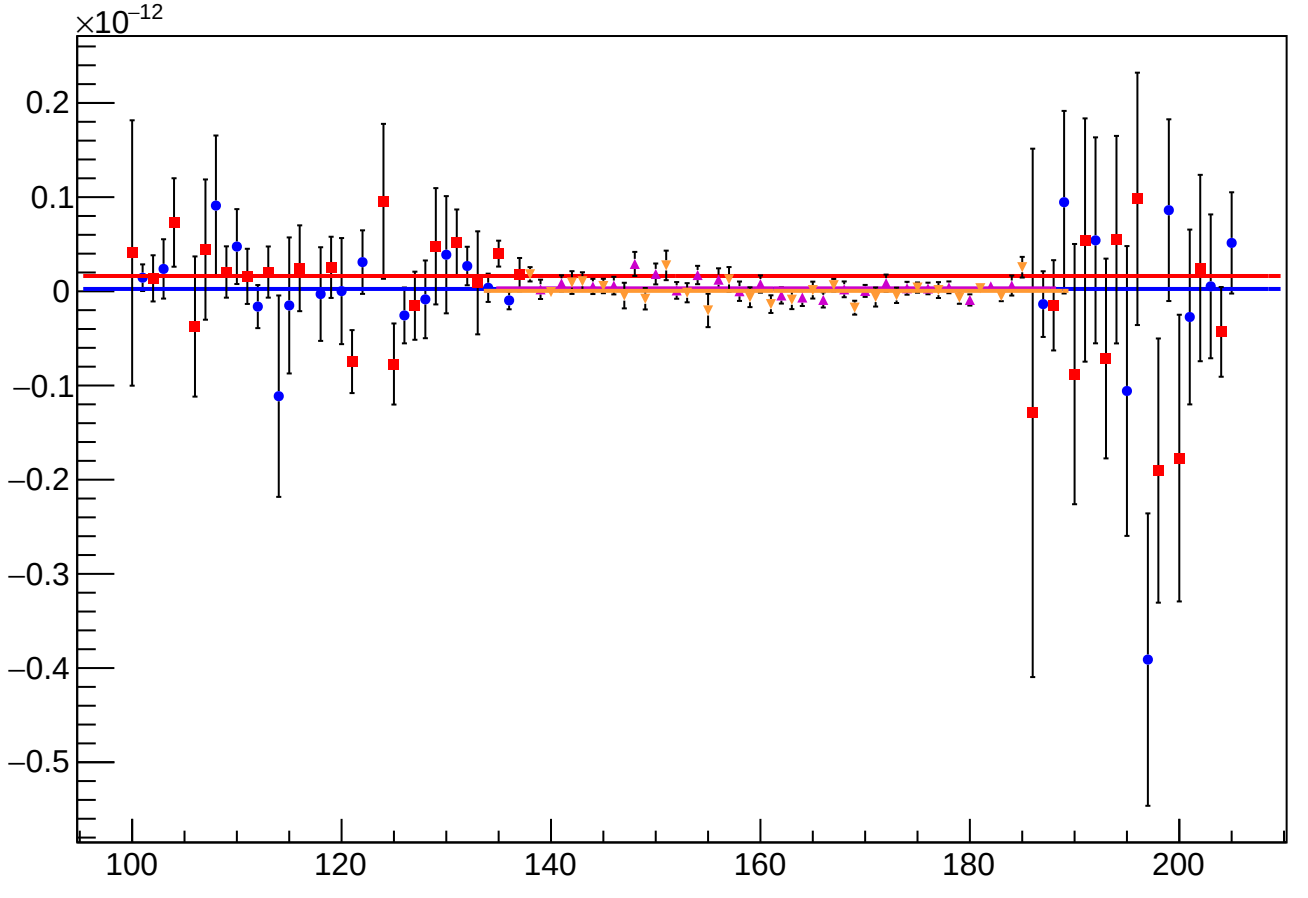
Left: 26.602+/-0.003 χ^2/NDF: 5040932.0/47

Right: 23.854+/-0.003 χ^2/NDF: 7376544.3/54

In: 25.122+/-0.003 χ^2/NDF:6324591.7/47

Out: 25.462+/-0.003 χ^2/NDF:6422562.5/54

All: 25.296+/-0.002 χ^2/NDF: 12752302.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/29

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

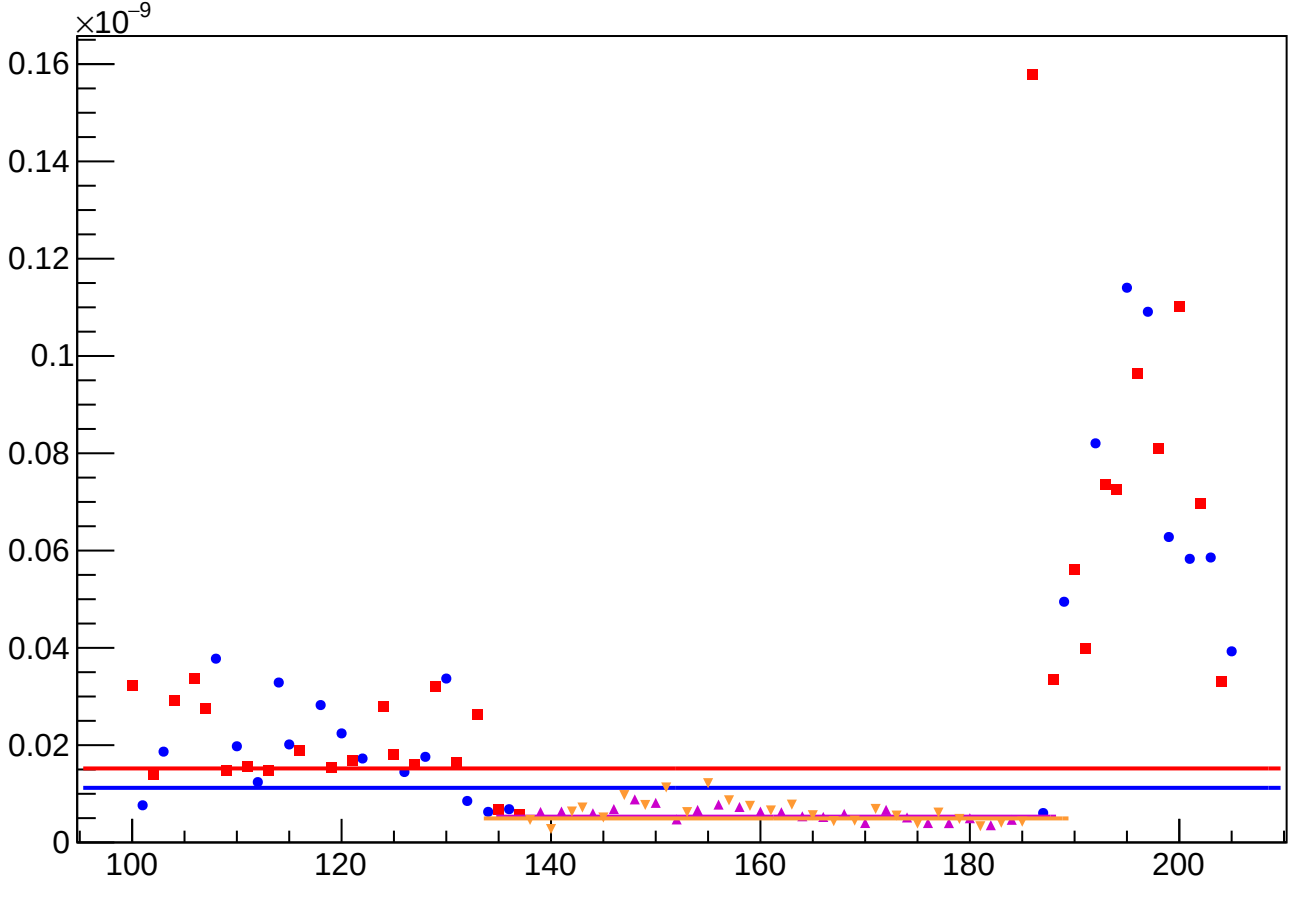
Left: 0.000+/-0.000 χ^2/NDF: 53.0/47

Right: 0.000+/-0.000 χ^2/NDF: 51.5/54

In: 0.000+/-0.000 χ^2/NDF:39.9/47

Out: 0.000+/-0.000 χ^2/NDF:66.0/54

All: 0.000+/-0.000 χ^2/NDF: 106.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 7379678.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7082169.3/29

Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

Left: 0.000+/-0.000 χ^2/NDF: 4044909.4/47

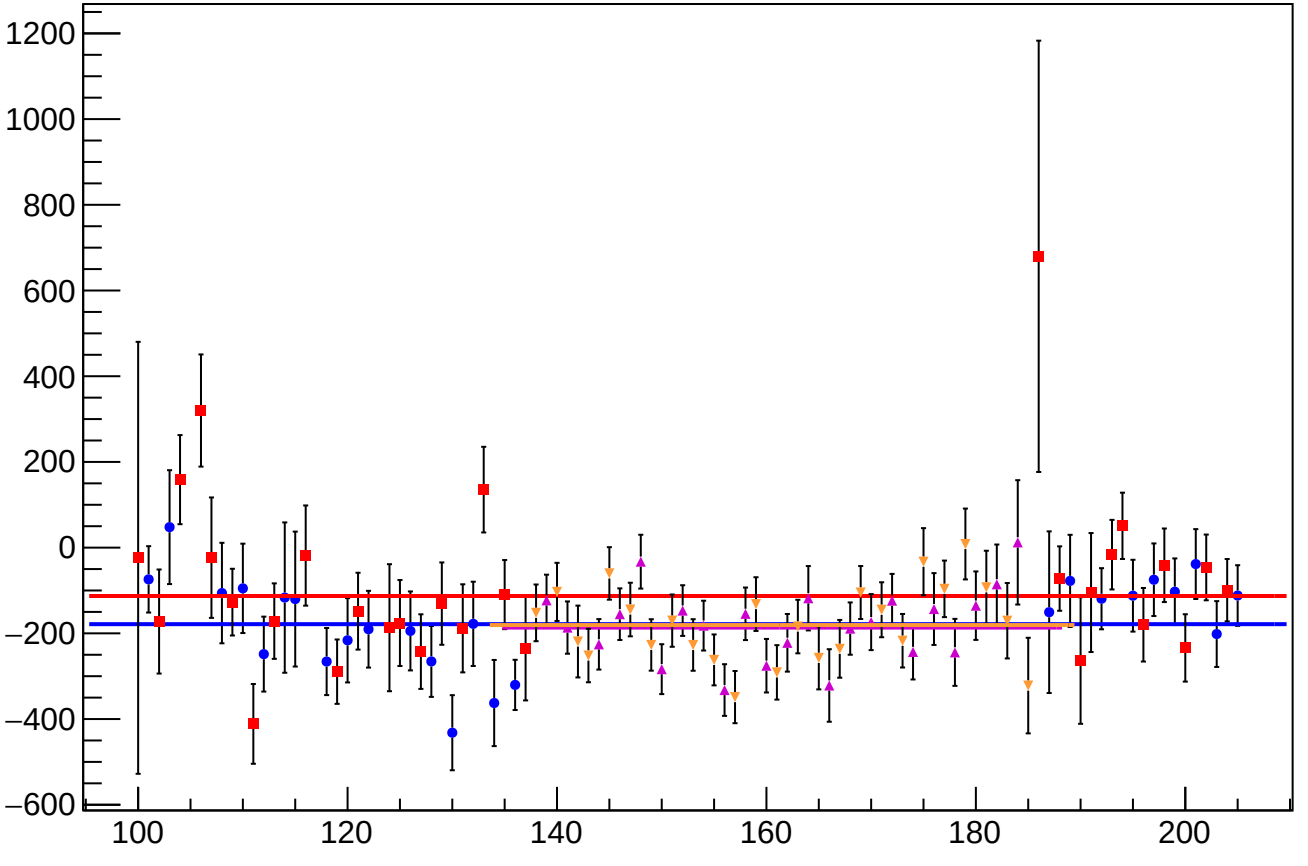
Right: 0.000+/-0.000 χ^2/NDF: 14873604.7/54

In: 0.000+/-0.000 χ^2/NDF:10715941.3/47

Out: 0.000+/-0.000 χ^2/NDF:14140538.7/54

All: 0.000+/-0.000 χ^2/NDF: 24903265.5/102

reg_asym_sam8_mean vs Slug, Sign Corrected



Right In: -178.578+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: -112.848+/-17.543 χ^2/NDF: 60.3/29

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.531+/-9.641 χ^2/NDF: 67.7/47

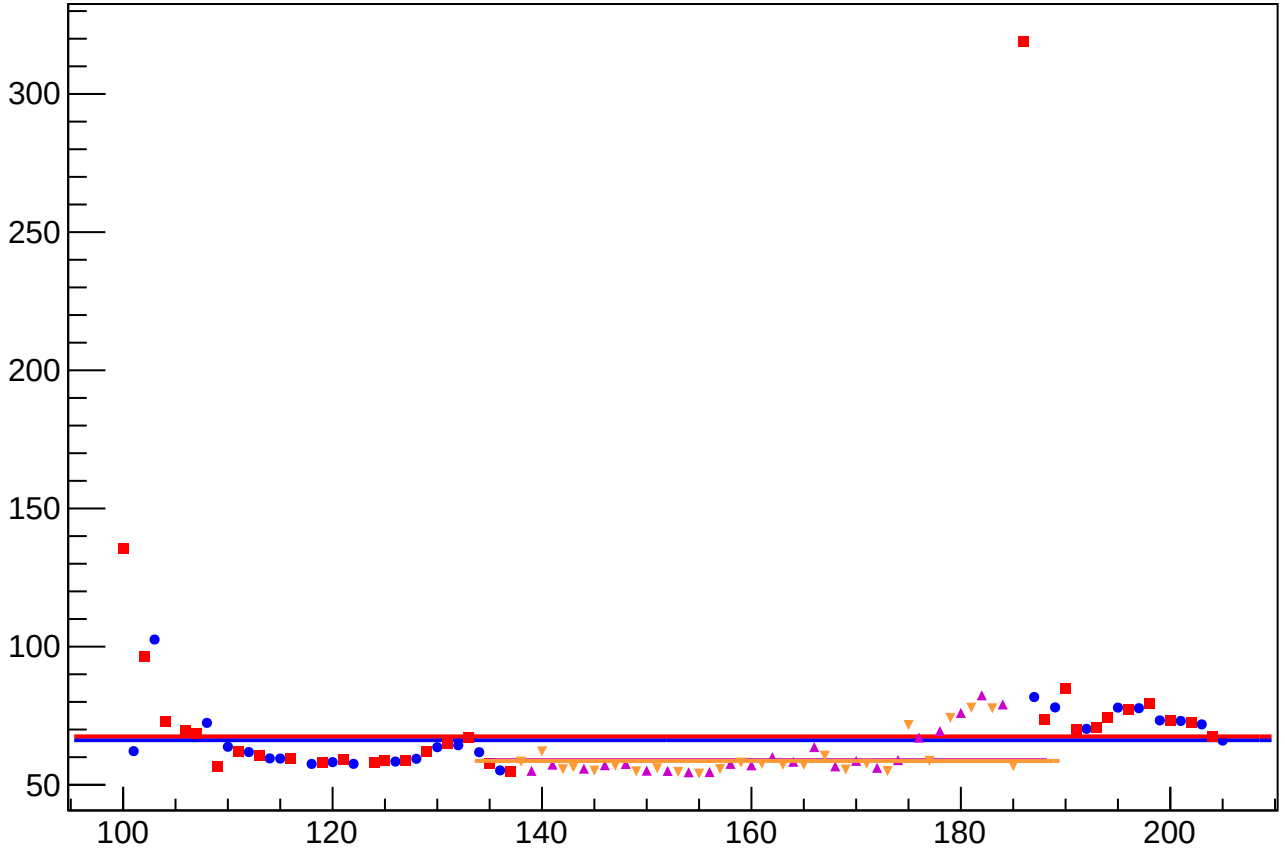
Right: -145.200+/-12.501 χ^2/NDF: 102.6/54

In: -183.556+/-10.940 χ^2/NDF:64.5/47

Out: -155.645+/-10.658 χ^2/NDF:108.4/54

All: -169.236+/-7.634 χ^2/NDF: 176.2/102

reg_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.154+/-0.013 χ^2/NDF: 496353.4/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.517+/-0.012 χ^2/NDF: 1018375.6/29

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

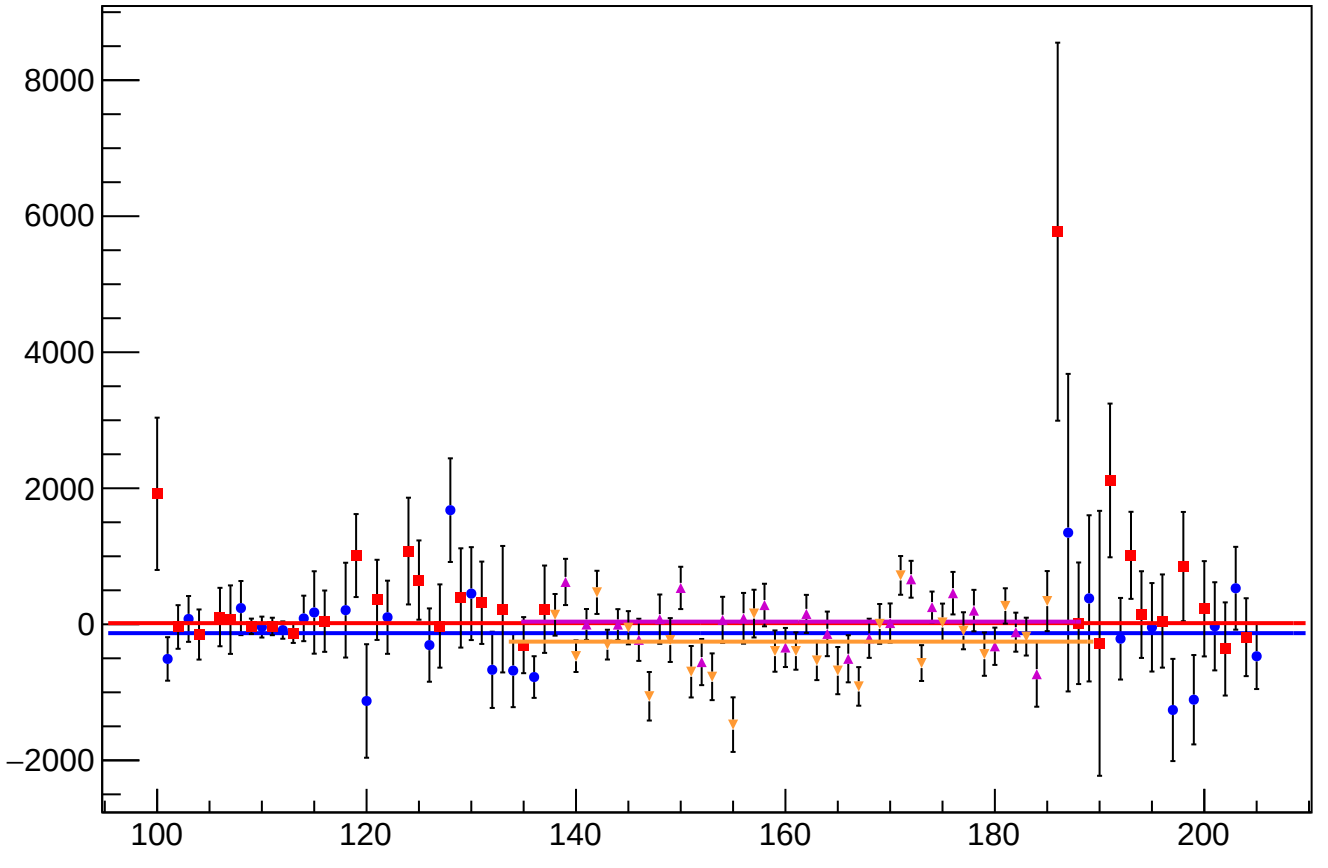
Left: 58.771+/-0.007 χ^2/NDF: 781070.9/47

Right: 66.846+/-0.009 χ^2/NDF: 1520665.7/54

In: 61.638+/-0.008 χ^2/NDF:1089360.7/47

Out: 61.919+/-0.008 χ^2/NDF:1735042.1/54

All: 61.782+/-0.005 χ^2/NDF: 2825078.3/102



Right In: -130.010+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: 17.166+/-61.676 χ^2/NDF: 23.6/29

Left In: 39.147+/-61.883 χ^2/NDF:28.3/22

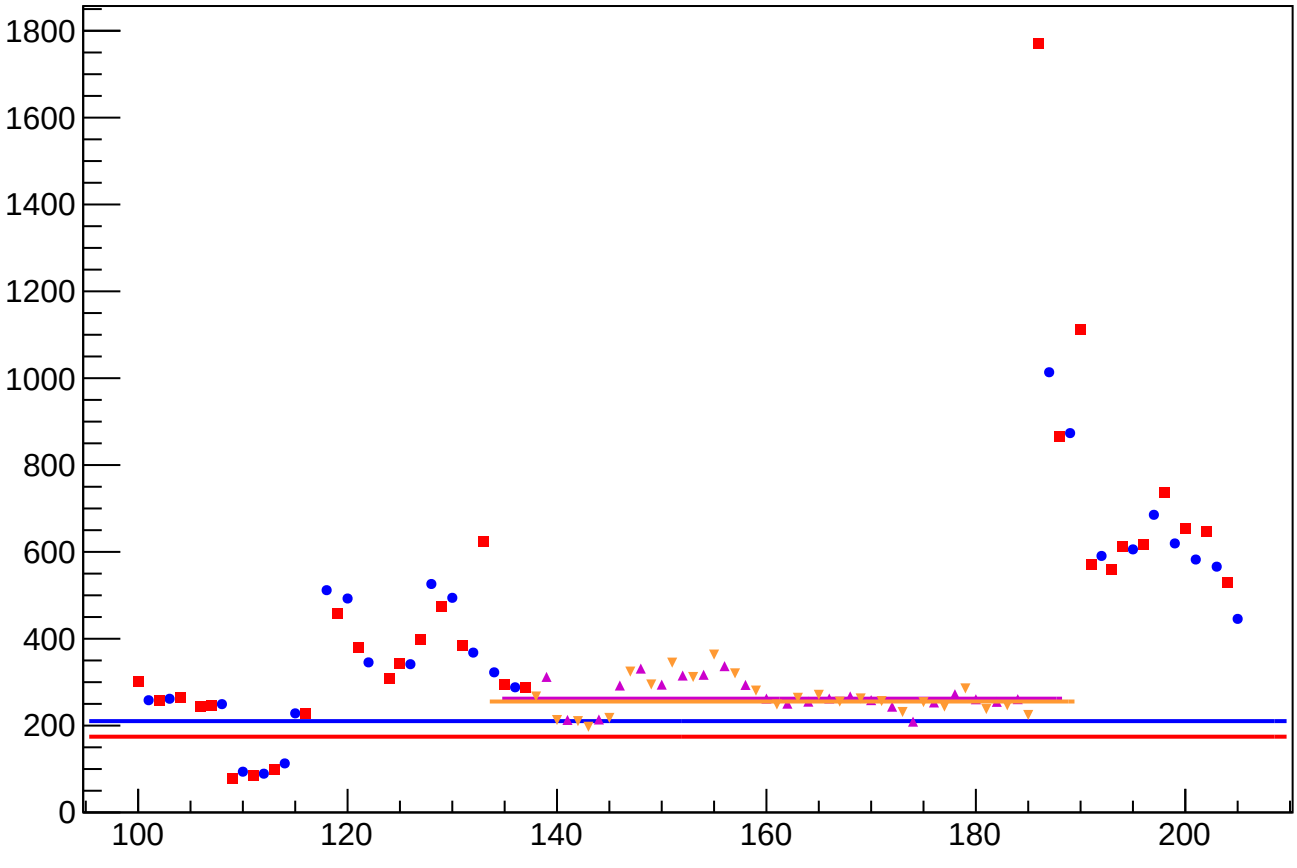
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -44.885+/-46.906 χ^2/NDF: 51.3/54

In: -32.449+/-46.996 χ^2/NDF:56.8/47

Out: -125.039+/-42.587 χ^2/NDF:91.4/54

All: -83.290+/-31.558 χ^2/NDF: 150.3/102



Right In: 210.332+/-0.051 χ^2/NDF: 10915297.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 174.465+/-0.044 χ^2/NDF: 14460540.9/29

Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.8/47

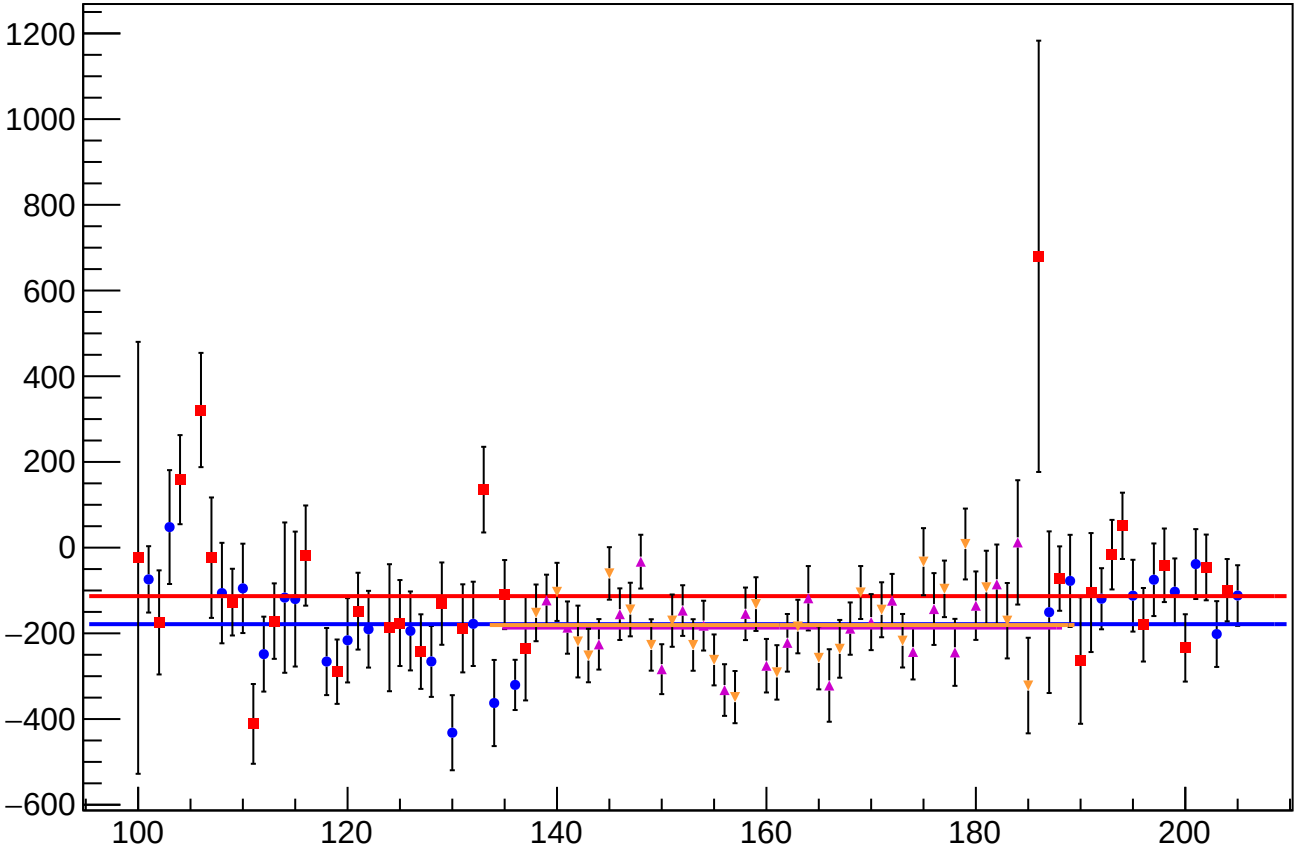
Right: 189.587+/-0.033 χ^2/NDF: 25660998.8/54

In: 240.136+/-0.033 χ^2/NDF:12176150.7/47

Out: 216.847+/-0.030 χ^2/NDF:17129456.9/54

All: 227.348+/-0.022 χ^2/NDF: 29575272.9/10

cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -178.577+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -113.148+/-17.548 χ^2/NDF: 60.0/29

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

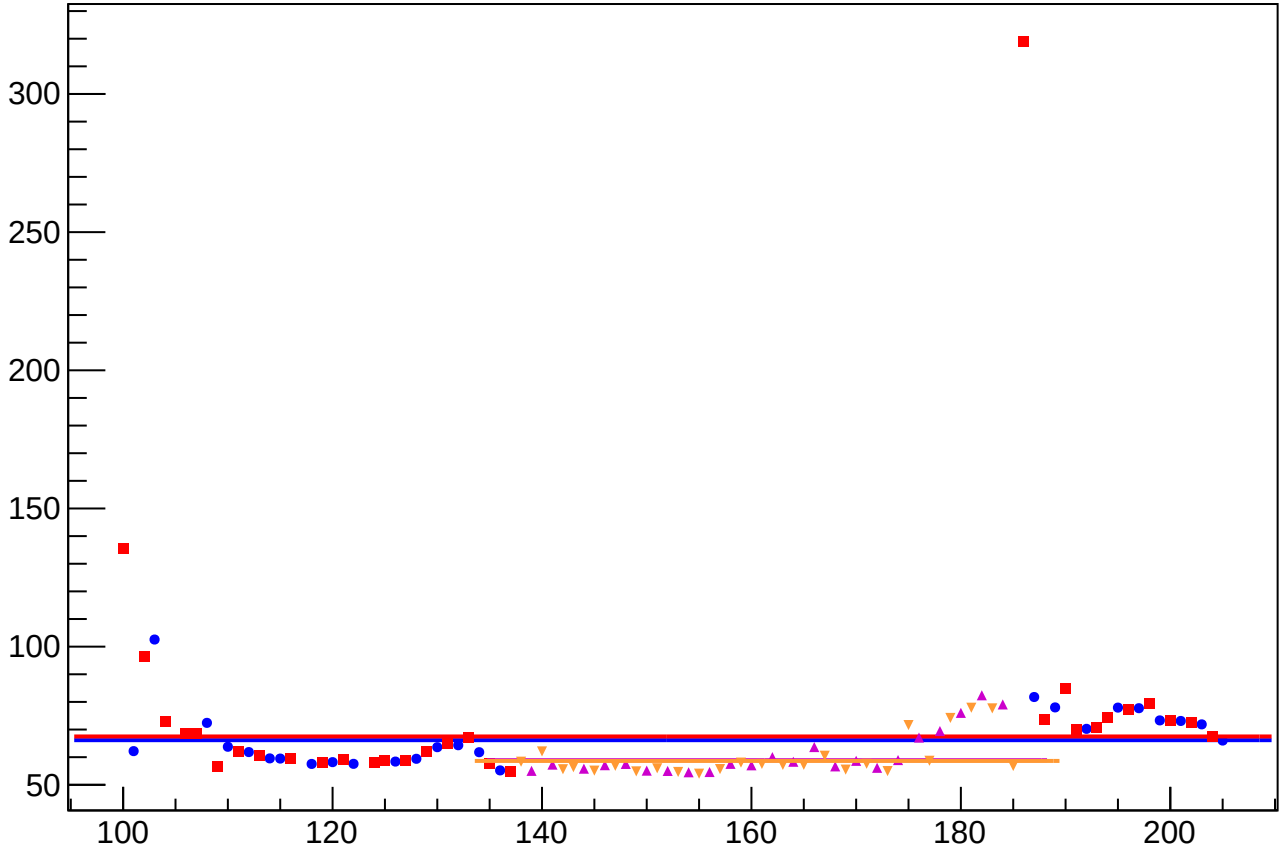
Right: -145.362+/-12.503 χ^2/NDF: 102.2/54

In: -183.555+/-10.940 χ^2/NDF:64.5/47

Out: -155.763+/-10.659 χ^2/NDF:108.0/54

All: -169.298+/-7.635 χ^2/NDF: 175.8/102

cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.154+/-0.013 χ^2/NDF: 496355.8/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.495+/-0.012 χ^2/NDF: 1018143.7/29

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

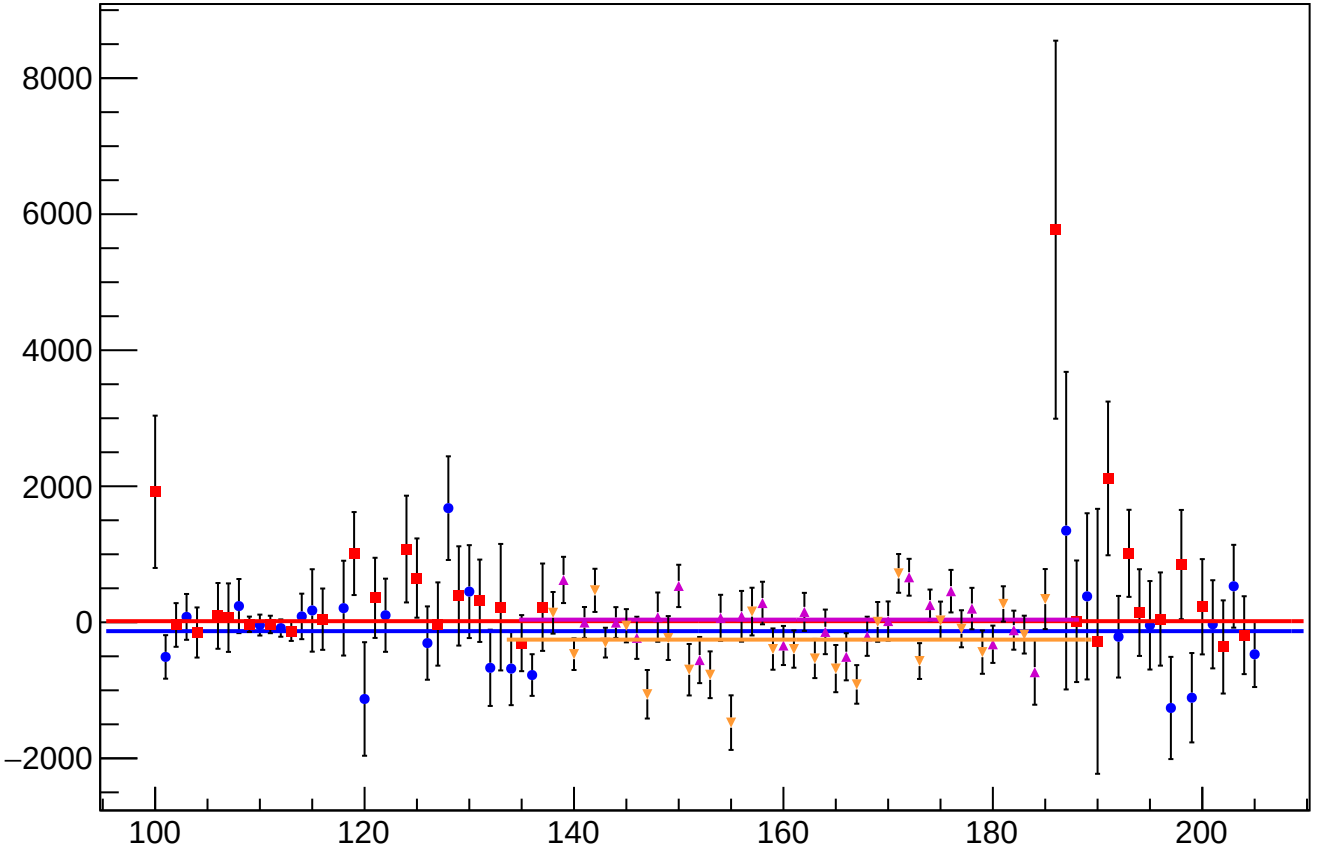
Right: 66.835+/-0.009 χ^2/NDF: 1520250.1/54

In: 61.638+/-0.008 χ^2/NDF:1089363.3/47

Out: 61.910+/-0.008 χ^2/NDF:1733128.5/54

All: 61.778+/-0.005 χ^2/NDF: 2823123.5/102

asym_sam8_cor_correction_mean vs Slug, Sign Corrected



Right In: -129.993+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: 16.592+/-61.812 χ^2/NDF: 23.6/29

Left In: 39.144+/-61.883 χ^2/NDF:28.3/22

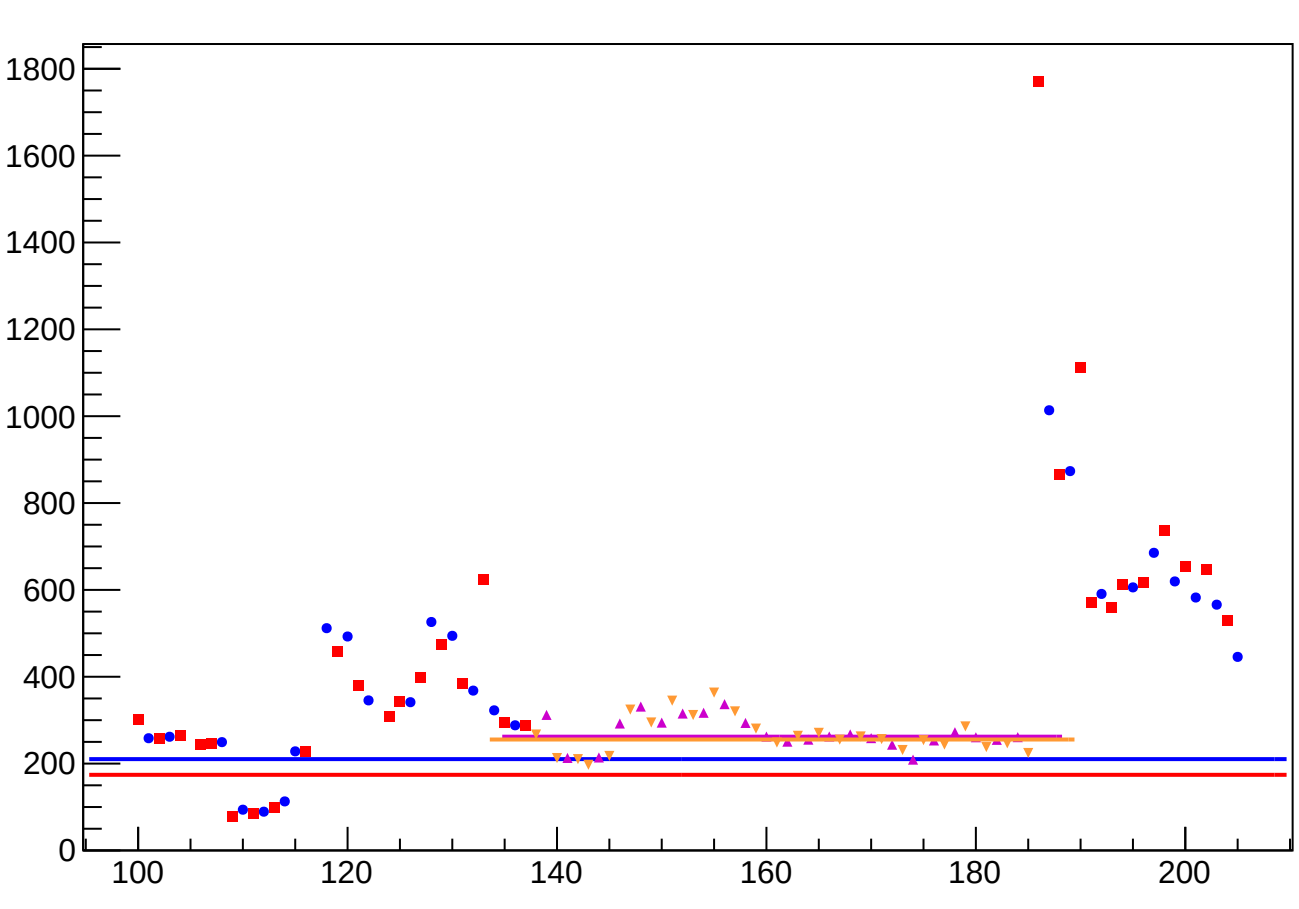
Left: -115.050+/-42.655 χ^2/NDF: 97.8/47

Right: -45.368+/-46.966 χ^2/NDF: 51.2/54

In: -32.443+/-46.997 χ^2/NDF:56.8/47

Out: -125.611+/-42.632 χ^2/NDF:91.3/54

All: -83.553+/-31.576 χ^2/NDF: 150.3/102



Right In: 210.332+/-0.051 χ^2/NDF: 10915337.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 174.165+/-0.044 χ^2/NDF: 14450247.9/29

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

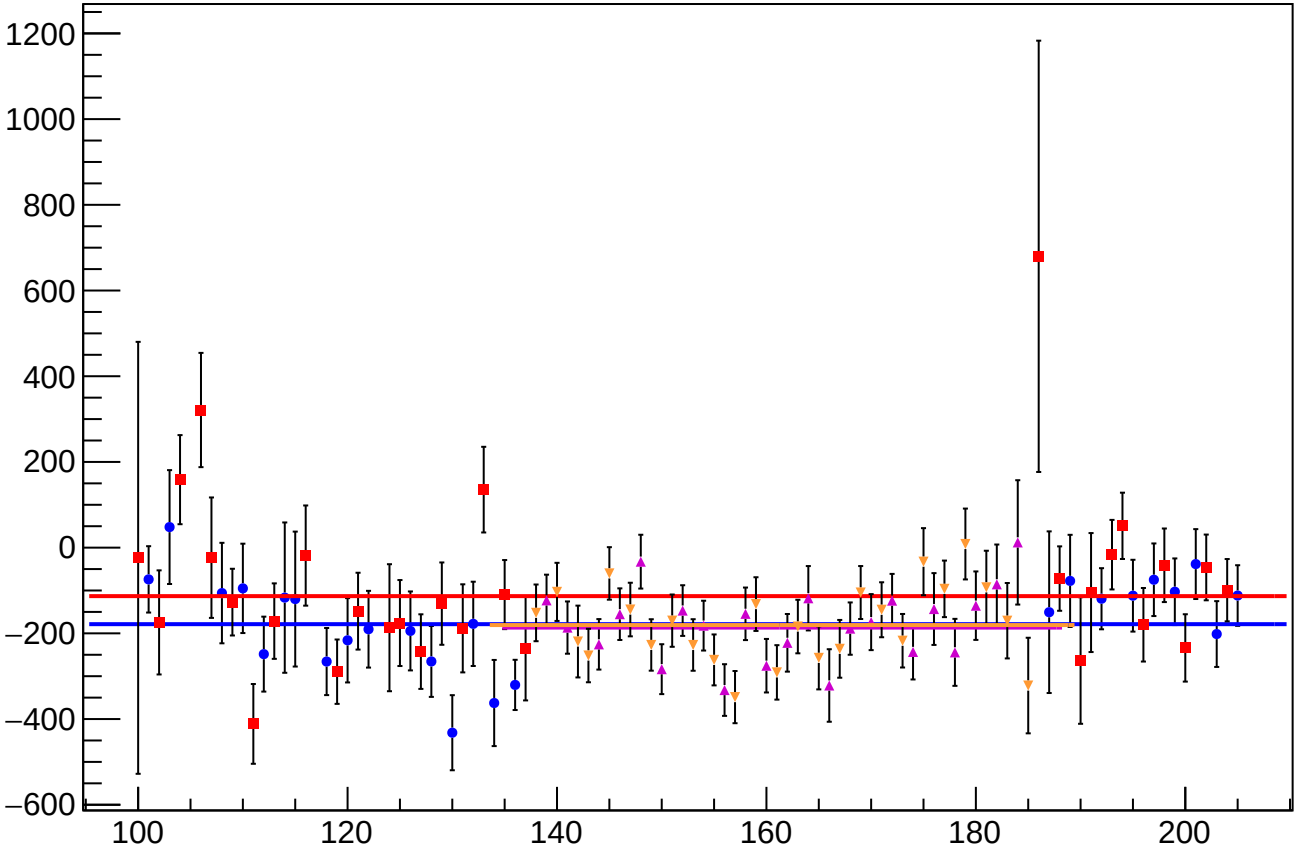
Right: 189.453+/-0.033 χ^2/NDF: 25655006.2/54

In: 240.136+/-0.033 χ^2/NDF:12176171.6/47

Out: 216.794+/-0.030 χ^2/NDF:17128351.2/54

All: 227.331+/-0.022 χ^2/NDF: 29575178.3/10

eigen_cor_asym_sam8_mean vs Slug, Sign Corrected



Right In: -178.577+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: -113.148+/-17.548 χ^2/NDF: 60.0/29

Left In: -186.567+/-13.860 χ^2/NDF:29.0/22

Left: -183.529+/-9.641 χ^2/NDF: 67.7/47

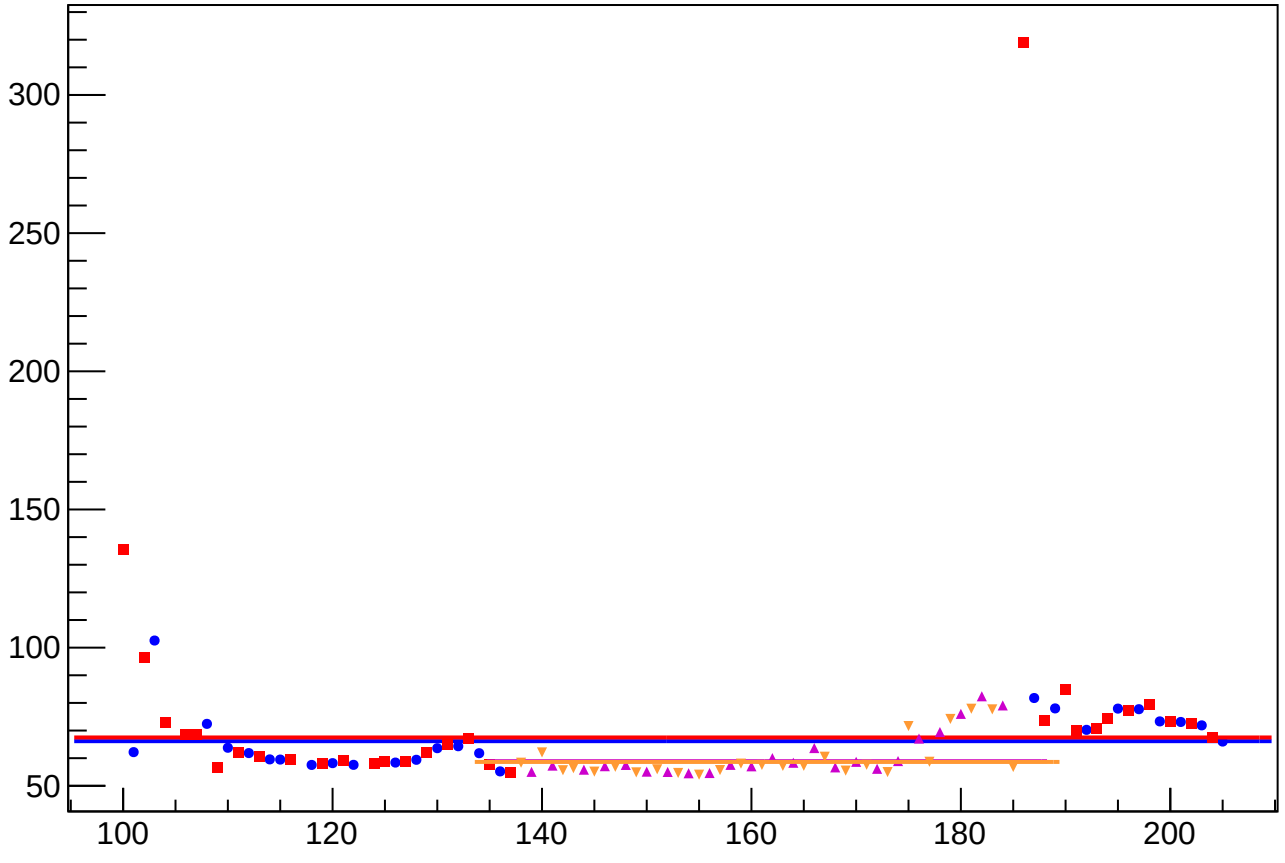
Right: -145.362+/-12.503 χ^2/NDF: 102.2/54

In: -183.555+/-10.940 χ^2/NDF:64.5/47

Out: -155.763+/-10.659 χ^2/NDF:108.0/54

All: -169.298+/-7.635 χ^2/NDF: 175.8/102

eigen_cor_asym_sam8_rms vs Slug, Sign Corrected



Right In: 66.154+/-0.013 χ^2/NDF: 496355.8/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.495+/-0.012 χ^2/NDF: 1018143.7/29

Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

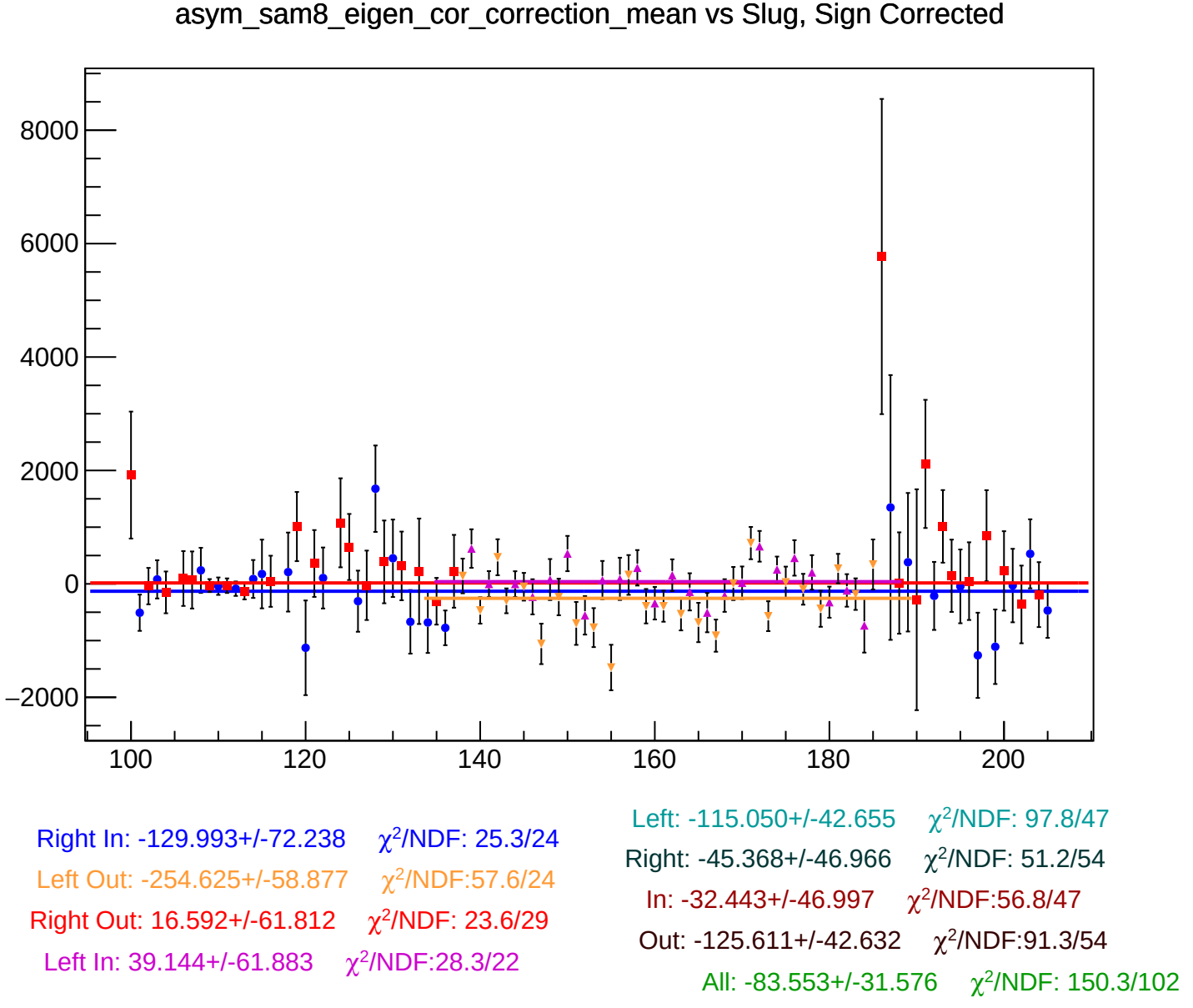
Left: 58.771+/-0.007 χ^2/NDF: 781071.0/47

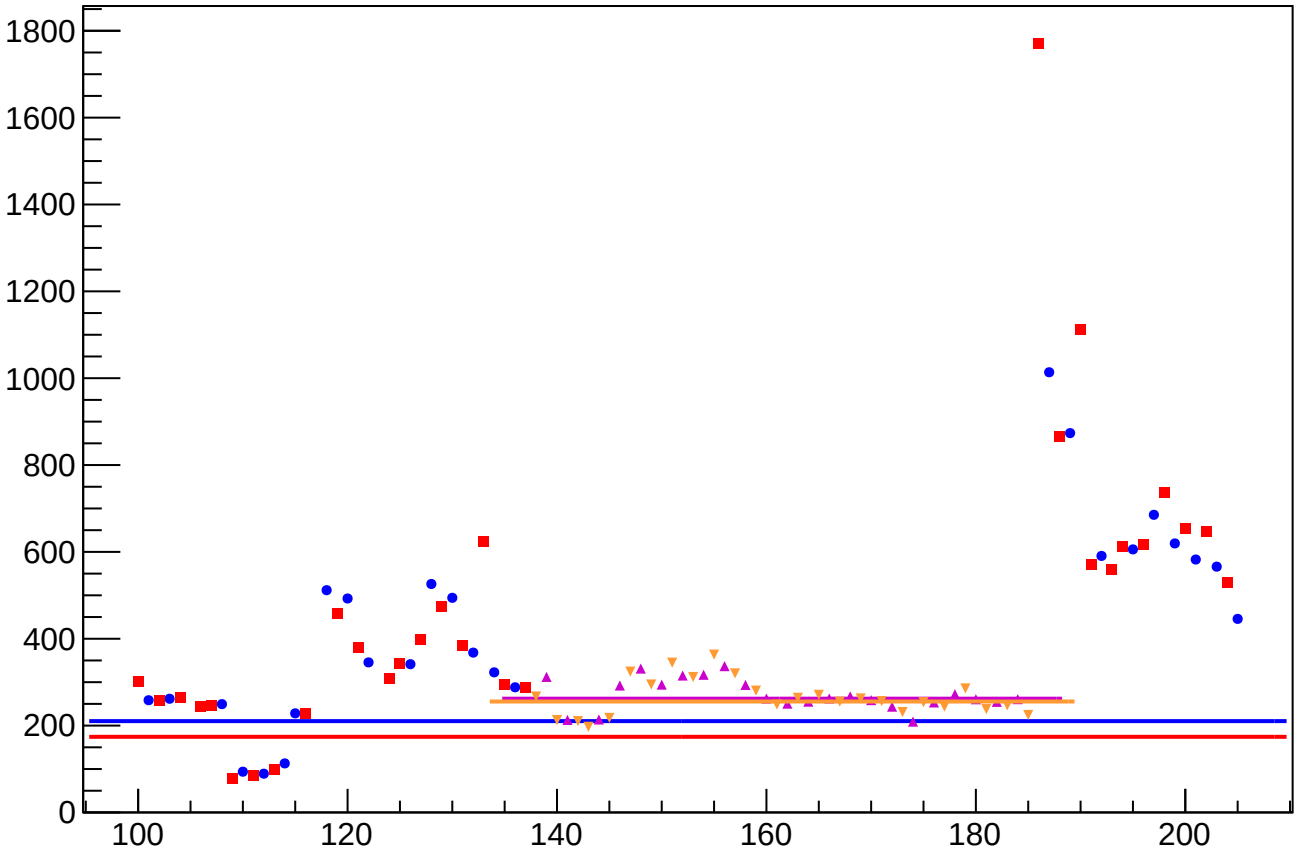
Right: 66.835+/-0.009 χ^2/NDF: 1520250.1/54

In: 61.638+/-0.008 χ^2/NDF:1089363.3/47

Out: 61.910+/-0.008 χ^2/NDF:1733128.5/54

All: 61.778+/-0.005 χ^2/NDF: 2823123.5/102


asym_sam8_eigen_cor_correction_mean vs Slug, Sign Corrected
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: -129.993+/-72.238 χ²/NDF: 25.3/24
Left Out: -254.625+/-58.877 χ²/NDF:57.6/24
Right Out: 16.592+/-61.812 χ²/NDF: 23.6/29
Left In: 39.144+/-61.883 χ²/NDF:28.3/22
Left: -115.050+/-42.655 χ²/NDF: 97.8/47
Right: -45.368+/-46.966 χ²/NDF: 51.2/54
In: -32.443+/-46.997 χ²/NDF:56.8/47
Out: -125.611+/-42.632 χ²/NDF:91.3/54
All: -83.553+/-31.576 χ²/NDF: 150.3/102



Right In: 210.332+/-0.051 χ^2/NDF: 10915337.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 174.165+/-0.044 χ^2/NDF: 14450247.9/29

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

Left: 258.576+/-0.030 χ^2/NDF: 1546159.5/47

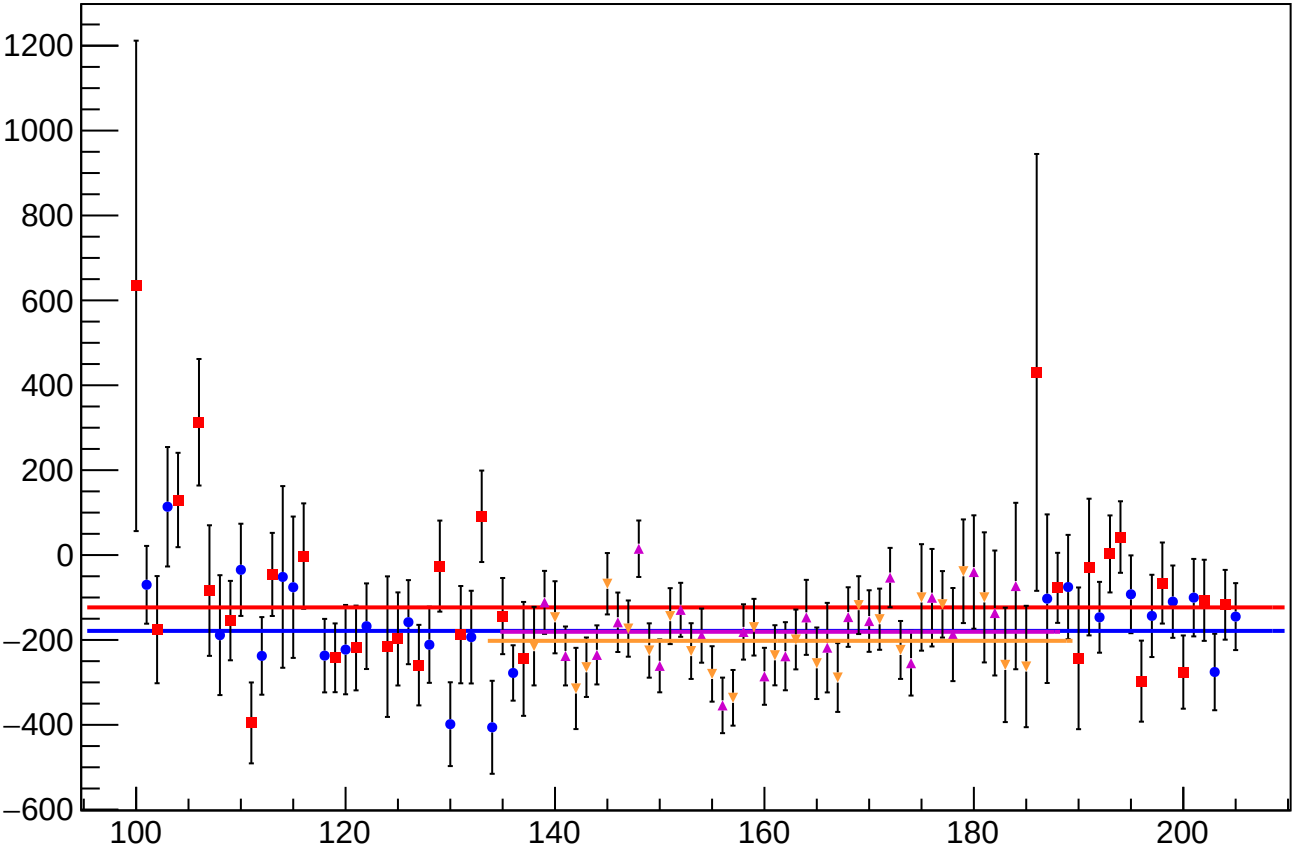
Right: 189.453+/-0.033 χ^2/NDF: 25655006.2/54

In: 240.136+/-0.033 χ^2/NDF:12176171.6/47

Out: 216.794+/-0.030 χ^2/NDF:17128351.2/54

All: 227.331+/-0.022 χ^2/NDF: 29575178.3/10

dit_asym_sam8_mean vs Slug, Sign Corrected



Right In: -178.671+/-19.851 χ^2/NDF: 25.8/24

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -123.309+/-19.468 χ^2/NDF: 52.4/29

Left In: -180.784+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

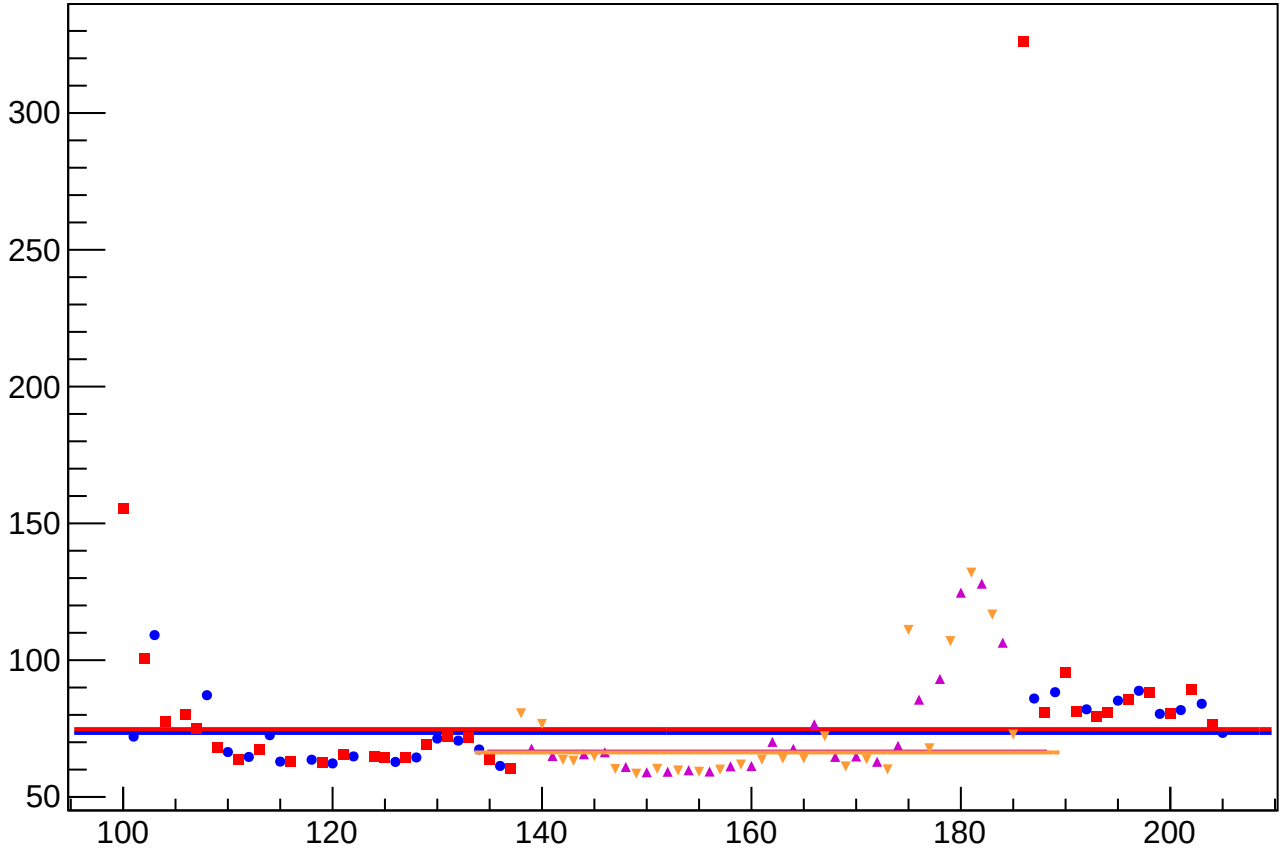
Right: -150.450+/-13.899 χ^2/NDF: 82.1/54

In: -179.950+/-12.466 χ^2/NDF:55.9/47

Out: -171.433+/-12.144 χ^2/NDF:83.9/54

All: -175.580+/-8.699 χ^2/NDF: 140.0/102

dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.416+/-0.014 χ^2/NDF: 565884.3/24

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.798+/-0.014 χ^2/NDF: 1024498.3/29

Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

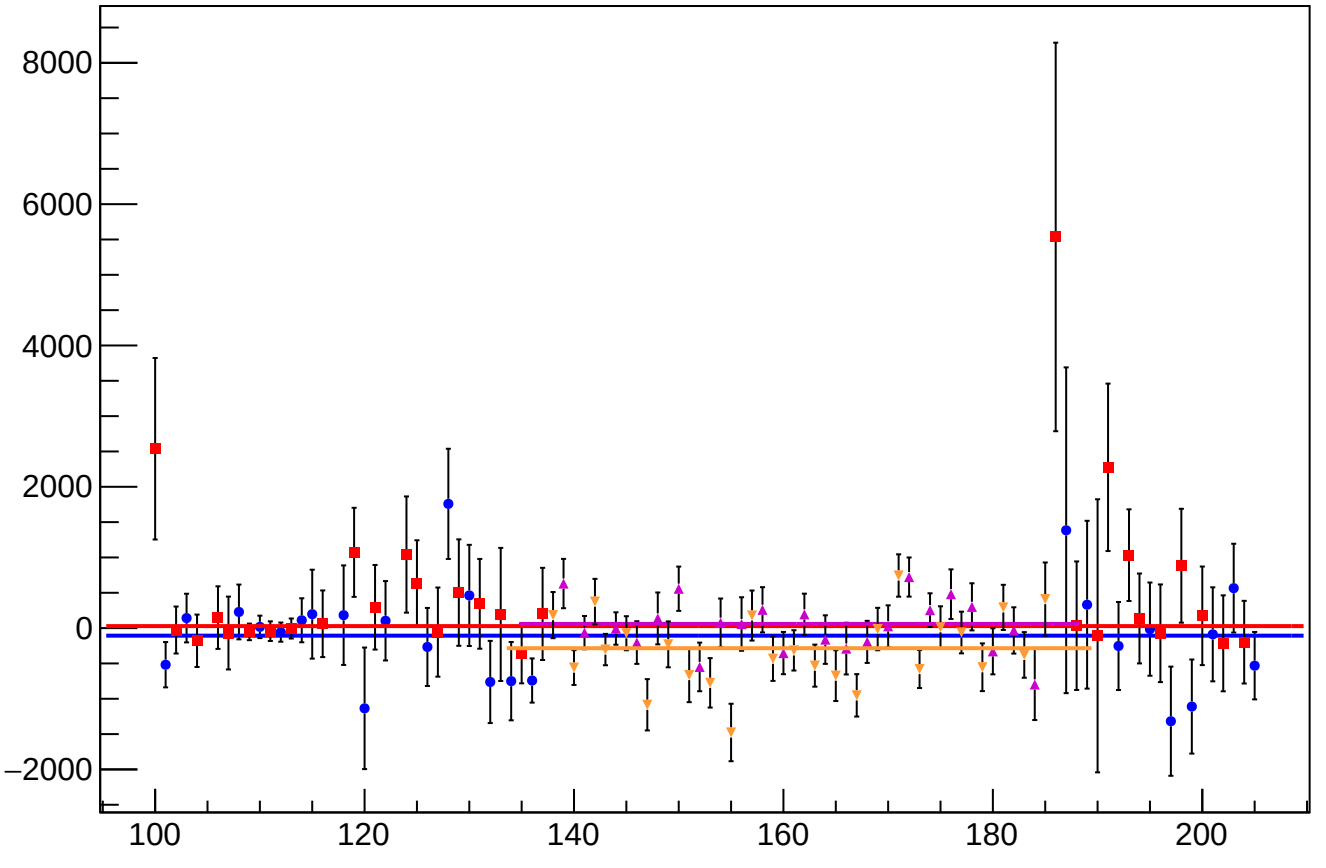
Left: 66.427+/-0.008 χ^2/NDF: 2552494.2/47

Right: 74.120+/-0.010 χ^2/NDF: 1595327.6/54

In: 69.279+/-0.009 χ^2/NDF:1867521.8/47

Out: 69.594+/-0.009 χ^2/NDF:2652340.8/54

All: 69.441+/-0.006 χ^2/NDF: 4520518.1/102



Right In: -106.905+/-74.444 χ^2/NDF: 26.6/24

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 28.482+/-63.482 χ^2/NDF: 23.7/29

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

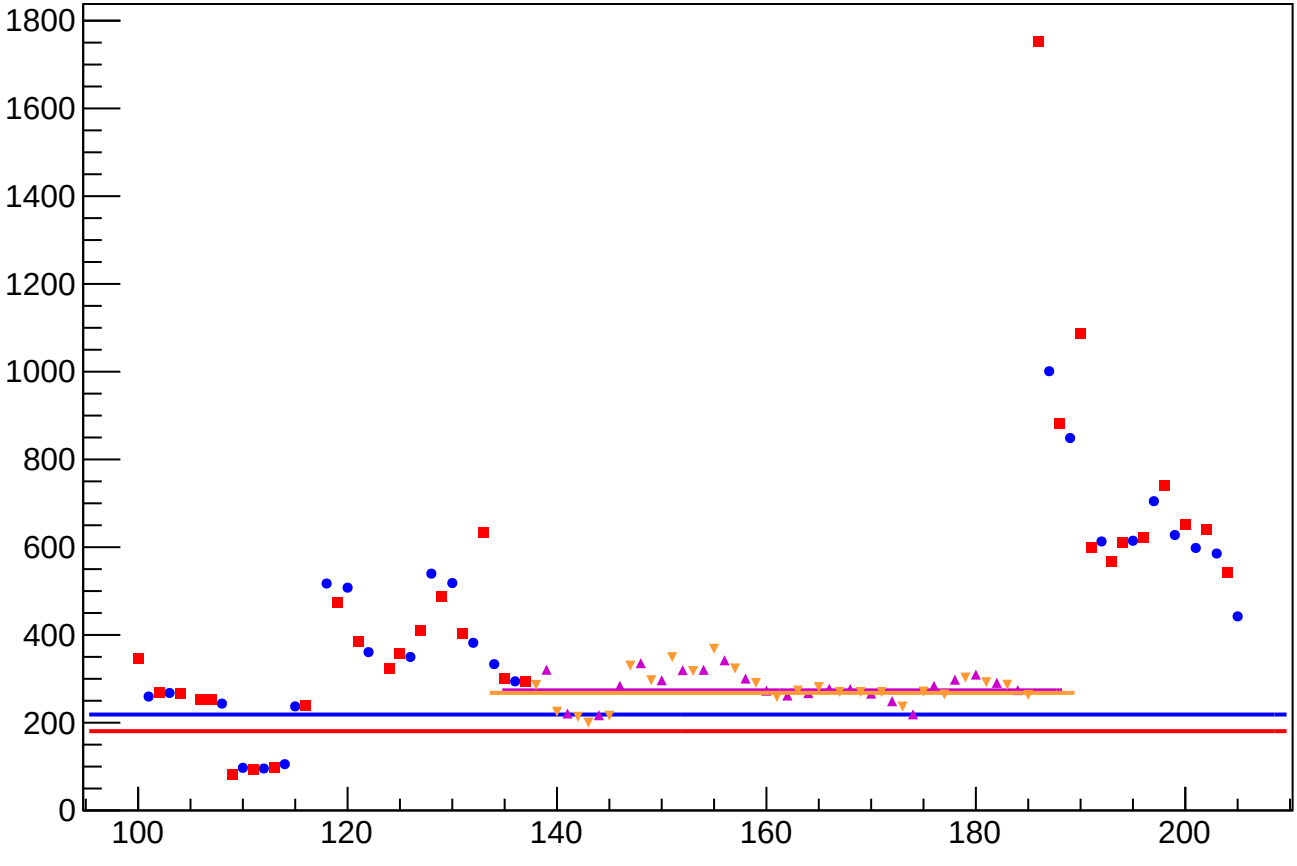
Right: -28.518+/-48.304 χ^2/NDF: 52.2/54

In: -12.219+/-48.807 χ^2/NDF:56.3/47

Out: -132.368+/-44.255 χ^2/NDF:90.8/54

All: -78.156+/-32.784 χ^2/NDF: 150.4/102

asym_sam8_dit_correction_rms vs Slug, Sign Corrected



Right In: 218.604+/-0.053 χ^2/NDF: 10678017.0/24

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 180.699+/-0.045 χ^2/NDF: 14270892.8/29

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

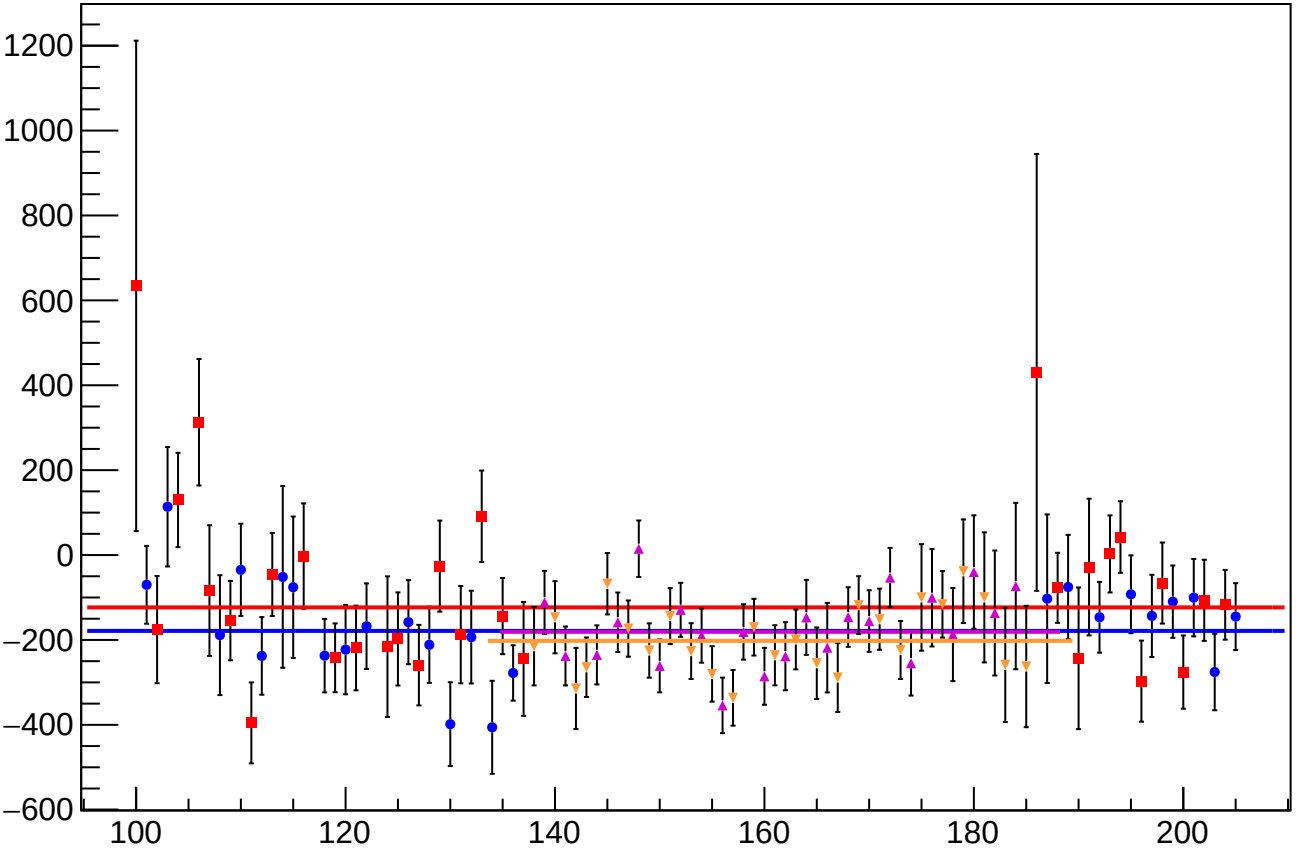
Left: 270.736+/-0.032 χ^2/NDF: 1521404.4/47

Right: 196.658+/-0.034 χ^2/NDF: 25249127.4/54

In: 250.047+/-0.035 χ^2/NDF:11954072.6/47

Out: 225.565+/-0.031 χ^2/NDF:17077239.1/54

All: 236.611+/-0.023 χ^2/NDF: 29307486.8/10



Right In: -178.671+/-19.851 χ^2/NDF: 25.8/24

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: -123.310+/-19.468 χ^2/NDF: 52.4/29

Left In: -180.785+/-16.019 χ^2/NDF:30.1/22

Left: -191.762+/-11.153 χ^2/NDF: 52.6/47

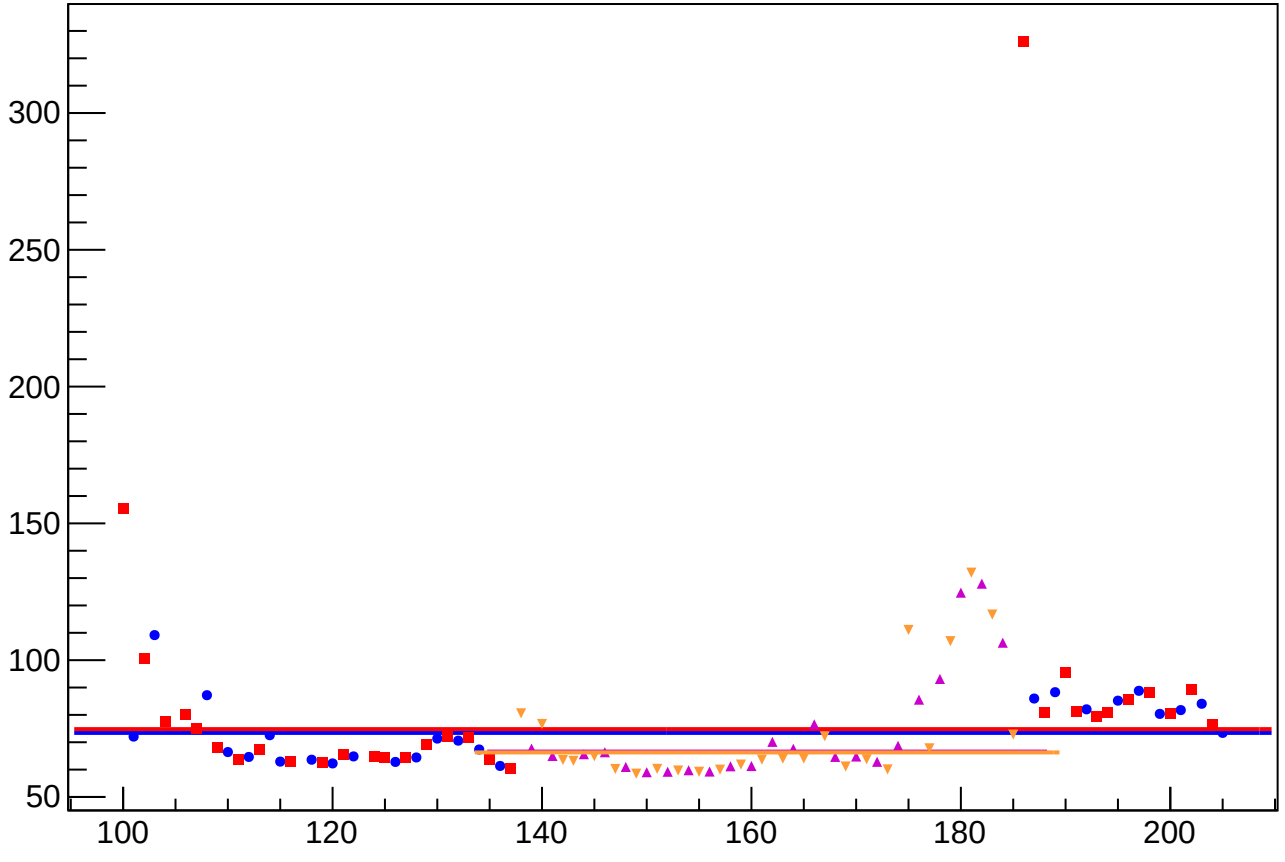
Right: -150.450+/-13.899 χ^2/NDF: 82.1/54

In: -179.951+/-12.466 χ^2/NDF:55.9/47

Out: -171.433+/-12.144 χ^2/NDF:83.9/54

All: -175.581+/-8.699 χ^2/NDF: 140.0/102

eigen_dit_asym_sam8_rms vs Slug, Sign Corrected



Right In: 73.415+/-0.014 χ^2/NDF: 565888.6/24

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.798+/-0.014 χ^2/NDF: 1024503.9/29

Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

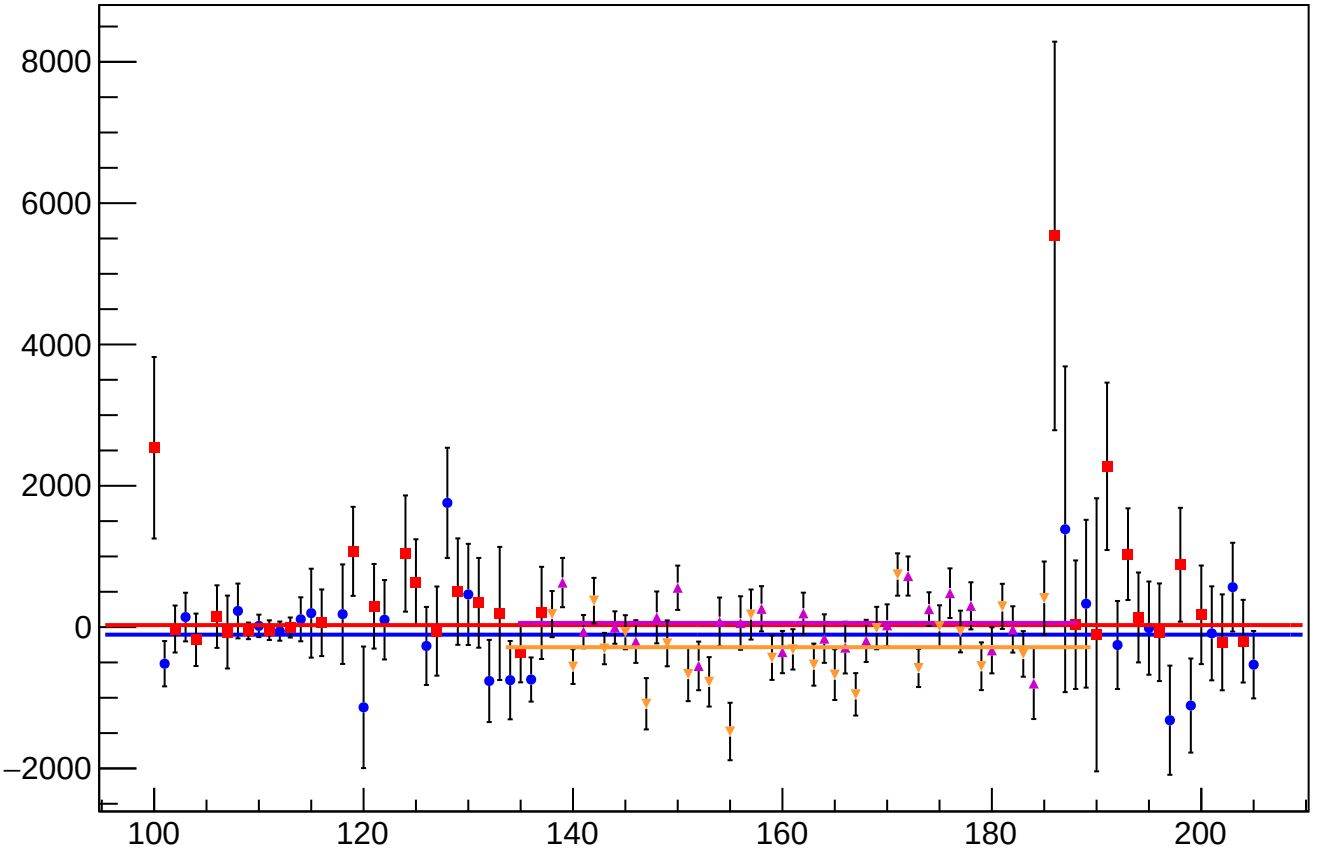
Left: 66.428+/-0.008 χ^2/NDF: 2552490.1/47

Right: 74.120+/-0.010 χ^2/NDF: 1595337.3/54

In: 69.279+/-0.009 χ^2/NDF:1867512.3/47

Out: 69.594+/-0.009 χ^2/NDF:2652337.8/54

All: 69.441+/-0.006 χ^2/NDF: 4520505.7/102



Right In: -106.903+/-74.444 χ^2/NDF: 26.6/24

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: 28.481+/-63.482 χ^2/NDF: 23.7/29

Left In: 59.160+/-64.636 χ^2/NDF:26.8/22

Left: -120.551+/-44.641 χ^2/NDF: 96.2/47

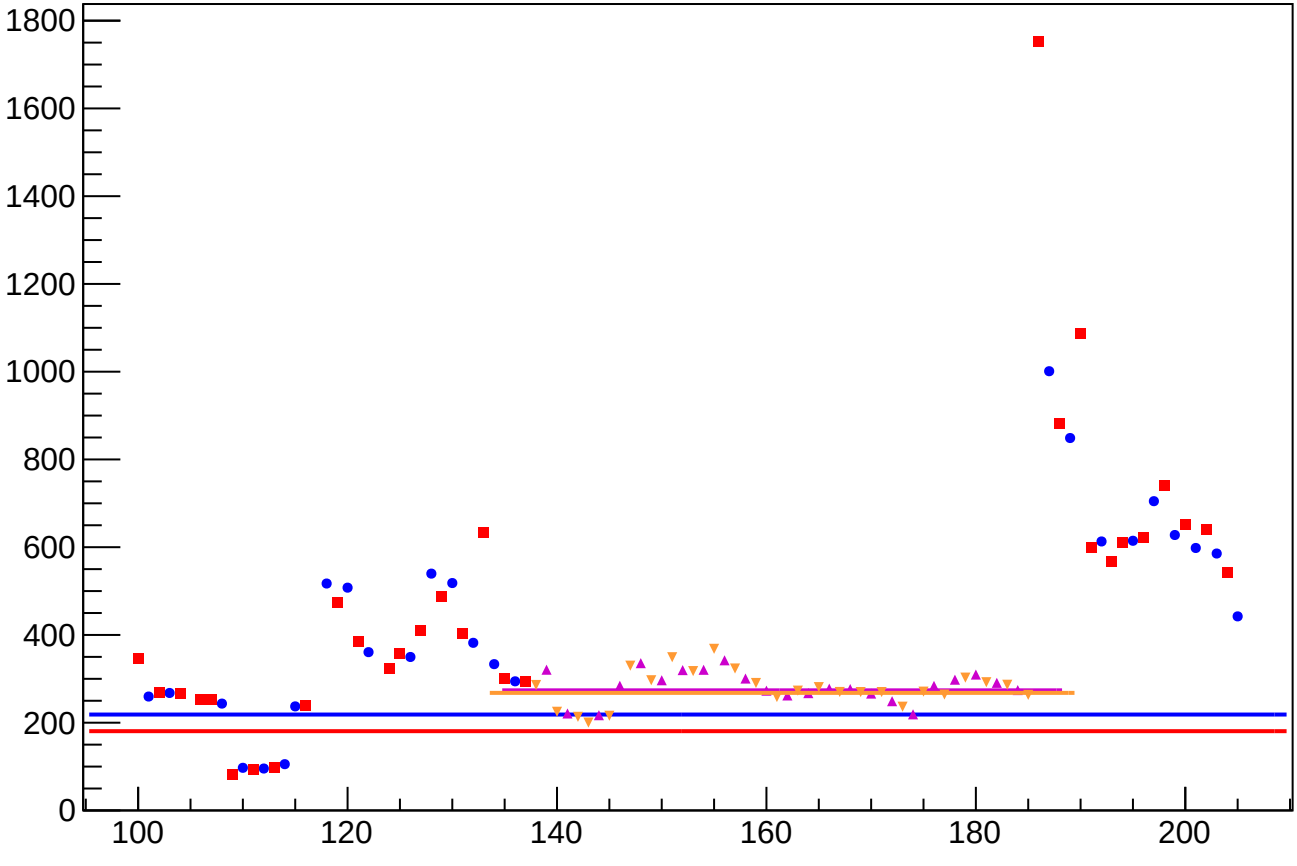
Right: -28.518+/-48.304 χ^2/NDF: 52.2/54

In: -12.219+/-48.806 χ^2/NDF:56.3/47

Out: -132.368+/-44.255 χ^2/NDF:90.8/54

All: -78.156+/-32.784 χ^2/NDF: 150.4/102

asym_sam8_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 218.603+/-0.053 χ^2/NDF: 10678075.3/24

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 180.698+/-0.045 χ^2/NDF: 14270875.0/29

Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

Left: 270.735+/-0.032 χ^2/NDF: 1521420.2/47

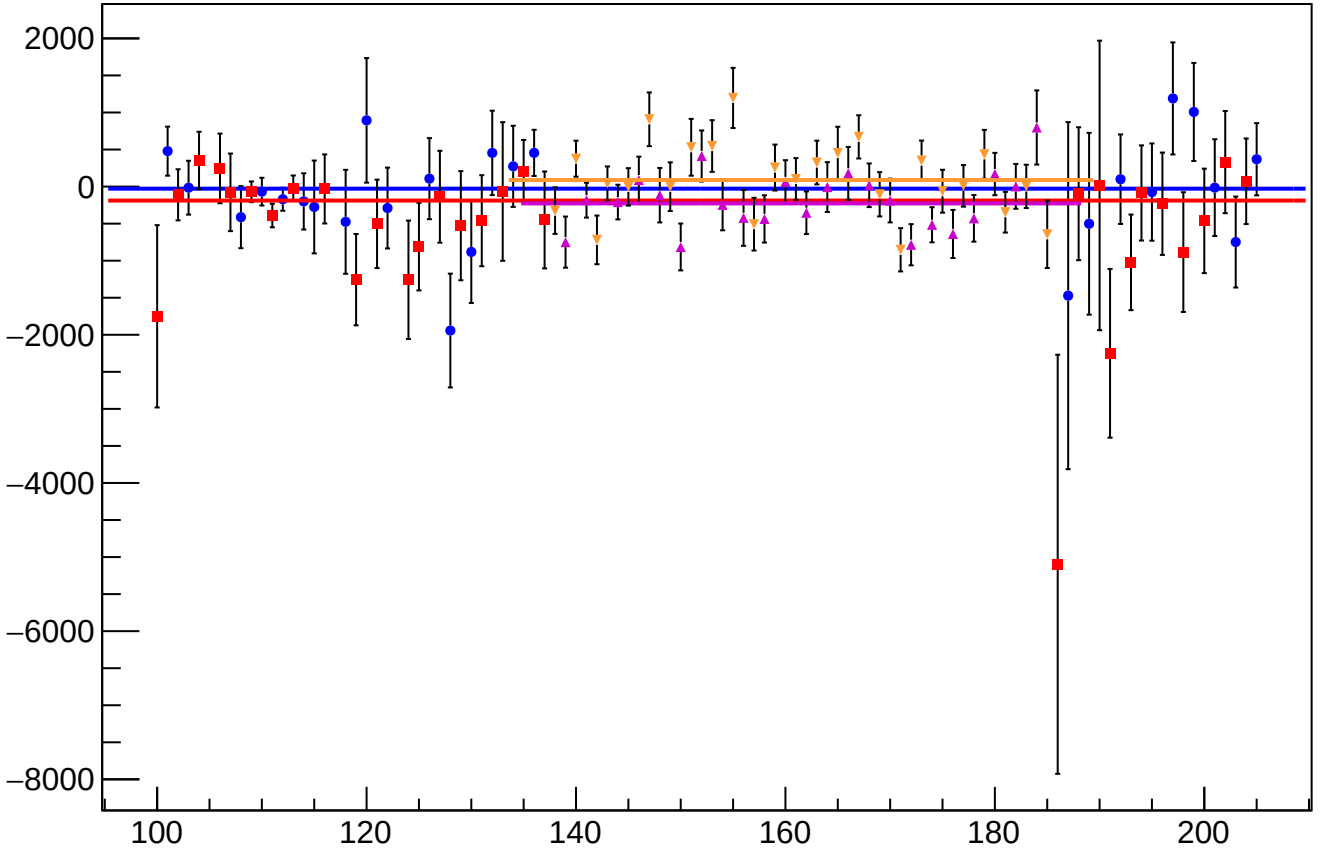
Right: 196.657+/-0.034 χ^2/NDF: 25249150.4/54

In: 250.046+/-0.035 χ^2/NDF:11954159.6/47

Out: 225.564+/-0.031 χ^2/NDF:17077219.5/54

All: 236.611+/-0.023 χ^2/NDF: 29307541.3/10

asym_sam8_mean vs Slug, Sign Corrected



Right In: -28.131+/-81.219 χ^2/NDF: 25.2/24

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: -188.490+/-71.126 χ^2/NDF: 25.2/29

Left In: -226.867+/-63.677 χ^2/NDF:28.8/22

Left: -61.606+/-43.923 χ^2/NDF: 93.9/47

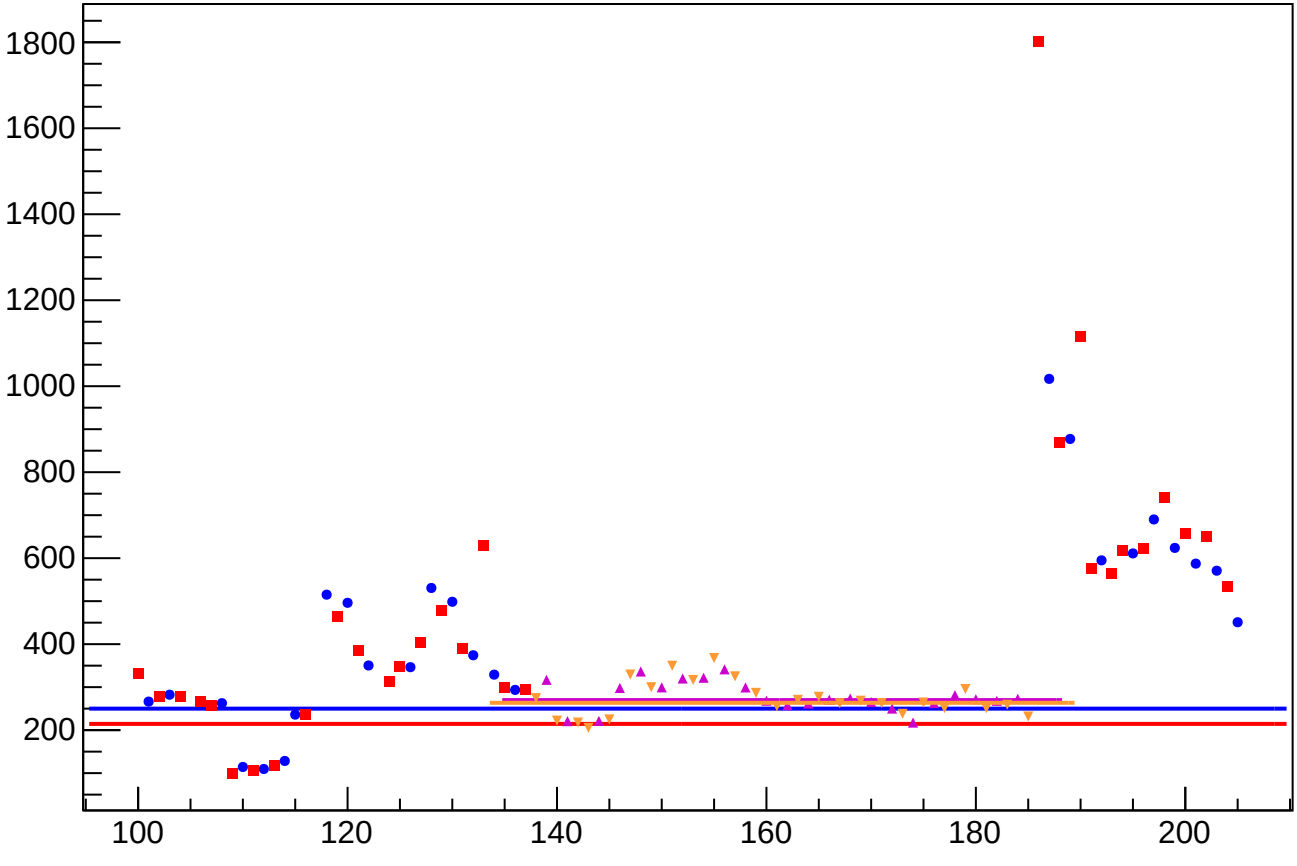
Right: -118.888+/-53.508 χ^2/NDF: 52.6/54

In: -151.212+/-50.112 χ^2/NDF:57.7/47

Out: -28.209+/-46.157 χ^2/NDF:86.2/54

All: -84.666+/-33.950 χ^2/NDF: 147.2/102

asym_sam8_rms vs Slug, Sign Corrected



Right In: 250.002+/-0.057 χ^2/NDF: 8930328.9/24

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 214.519+/-0.050 χ^2/NDF: 12317008.1/29

Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

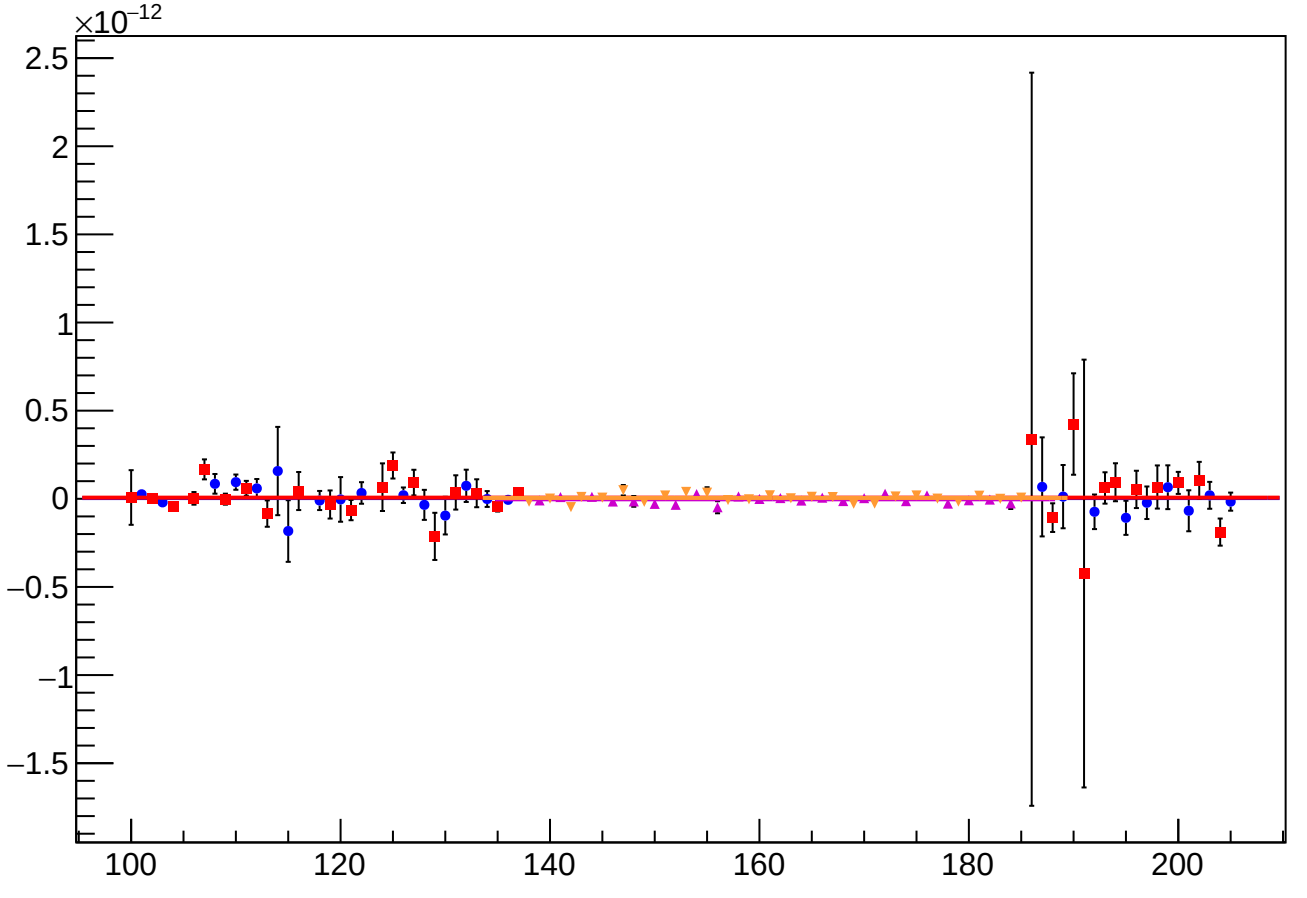
Left: 266.593+/-0.031 χ^2/NDF: 1392375.9/47

Right: 229.920+/-0.038 χ^2/NDF: 21463381.9/54

In: 262.324+/-0.035 χ^2/NDF:9606902.9/47

Out: 242.926+/-0.033 χ^2/NDF:13648001.6/54

All: 251.829+/-0.024 χ^2/NDF: 23417030.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/29

Left In: -0.000+/-0.000 χ^2/NDF:21.5/22

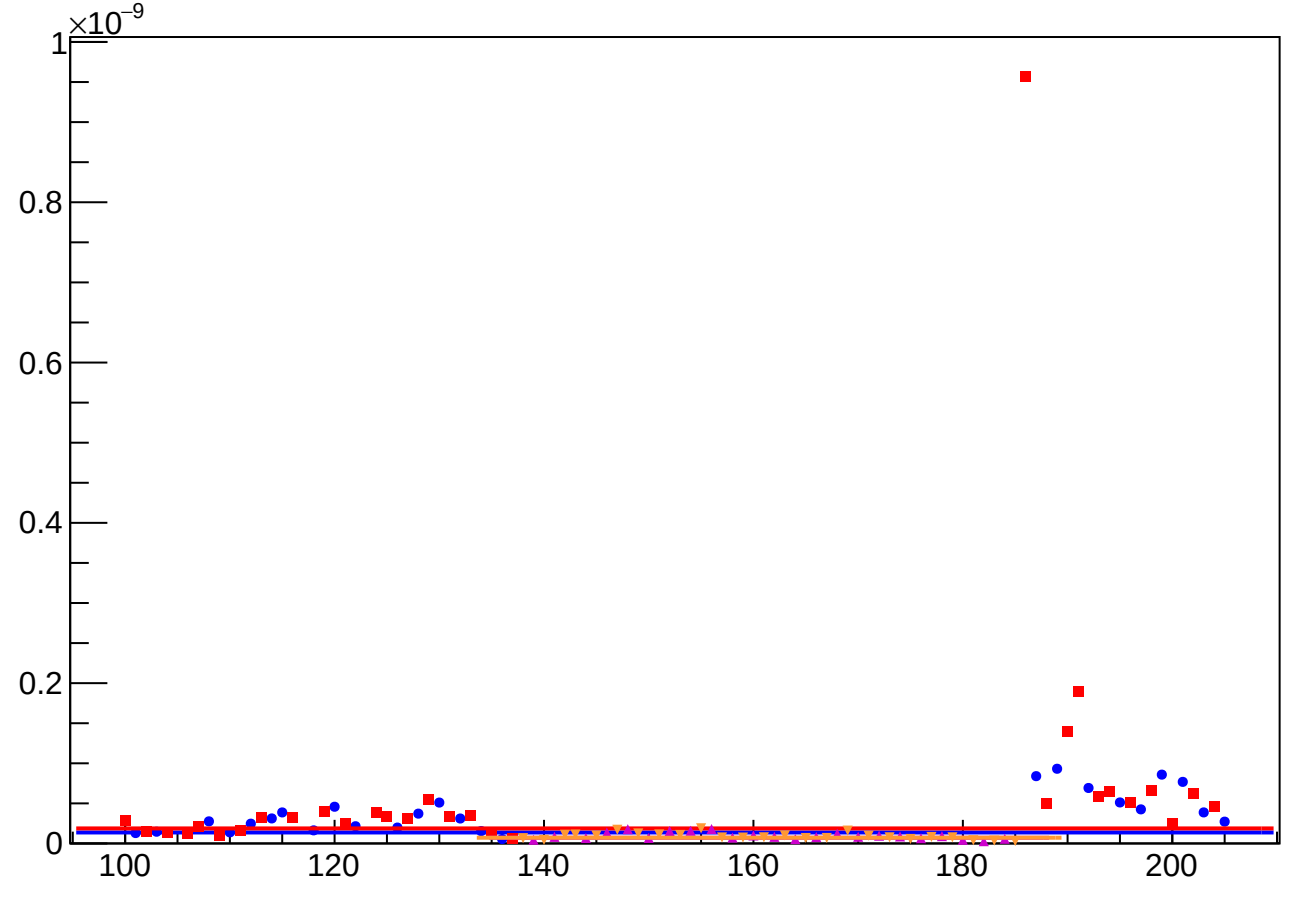
Left: 0.000+/-0.000 χ^2/NDF: 52.6/47

Right: 0.000+/-0.000 χ^2/NDF: 62.2/54

In: -0.000+/-0.000 χ^2/NDF:39.0/47

Out: 0.000+/-0.000 χ^2/NDF:73.3/54

All: 0.000+/-0.000 χ^2/NDF: 115.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 5228213.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4598880.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

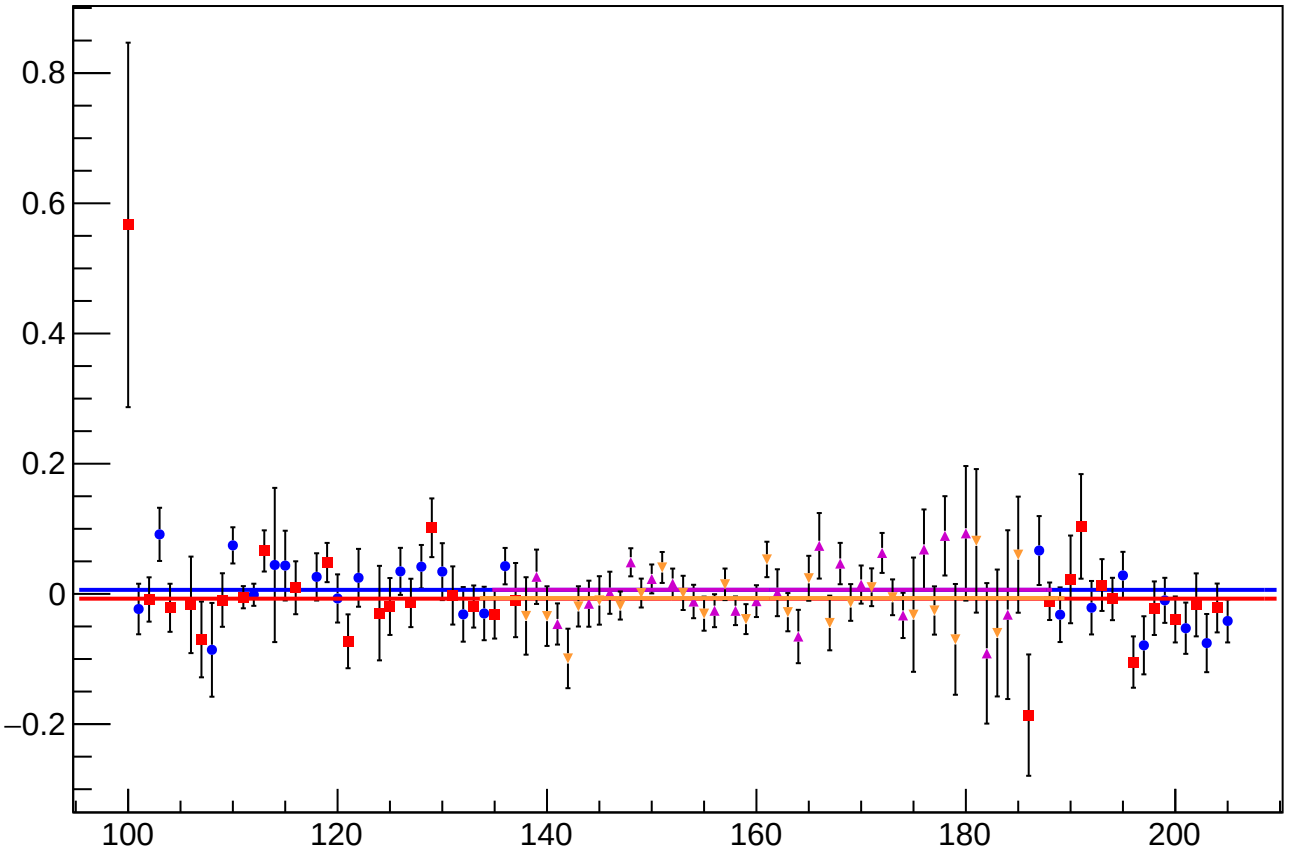
Left: 0.000+/-0.000 χ^2/NDF: 4005568.1/47

Right: 0.000+/-0.000 χ^2/NDF: 10151127.4/54

In: 0.000+/-0.000 χ^2/NDF:8477137.1/47

Out: 0.000+/-0.000 χ^2/NDF:9176752.7/54

All: 0.000+/-0.000 χ^2/NDF: 17658439.9/102



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.9/29

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

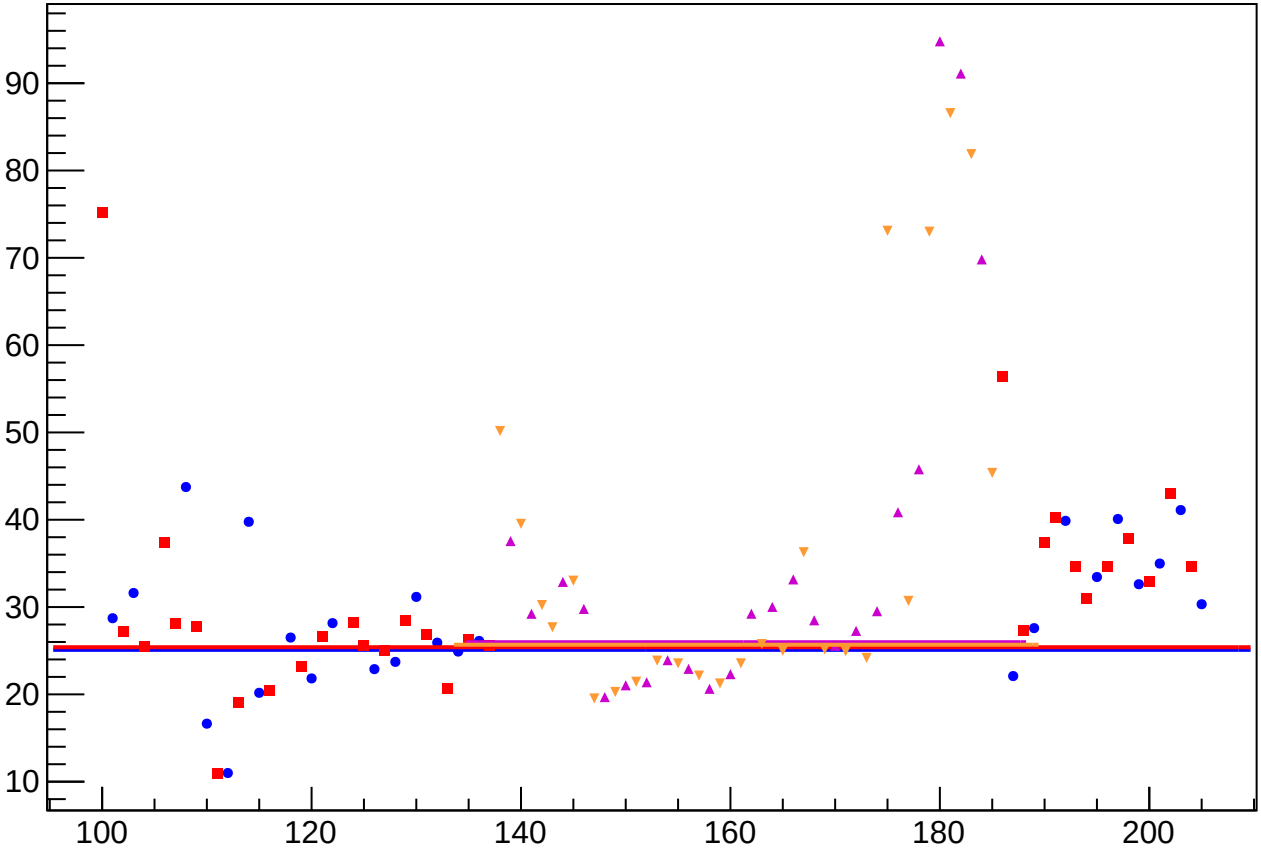
Right: -0.001+/-0.005 χ^2/NDF: 72.6/54

In: 0.006+/-0.005 χ^2/NDF:62.3/47

Out: -0.007+/-0.005 χ^2/NDF:59.4/54

All: -0.000+/-0.003 χ^2/NDF: 125.5/102

asym_sam8_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 25.099+/-0.005 χ^2/NDF: 3026107.0/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.399+/-0.005 χ^2/NDF: 3056893.5/29

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

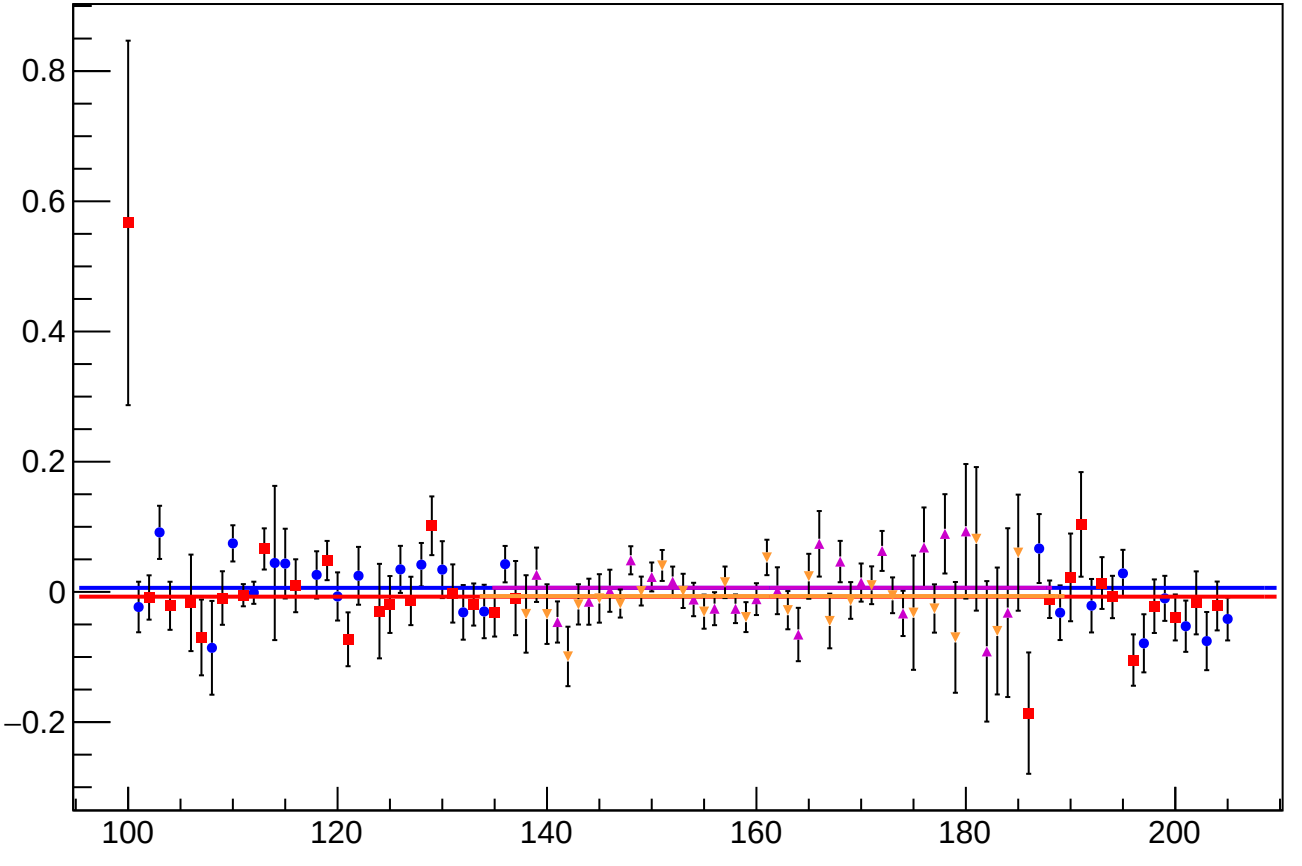
Right: 25.254+/-0.004 χ^2/NDF: 6084763.3/54

In: 25.575+/-0.003 χ^2/NDF:6160190.6/47

Out: 25.555+/-0.003 χ^2/NDF:6930246.3/54

All: 25.565+/-0.002 χ^2/NDF: 13090454.3/102

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.9/29

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

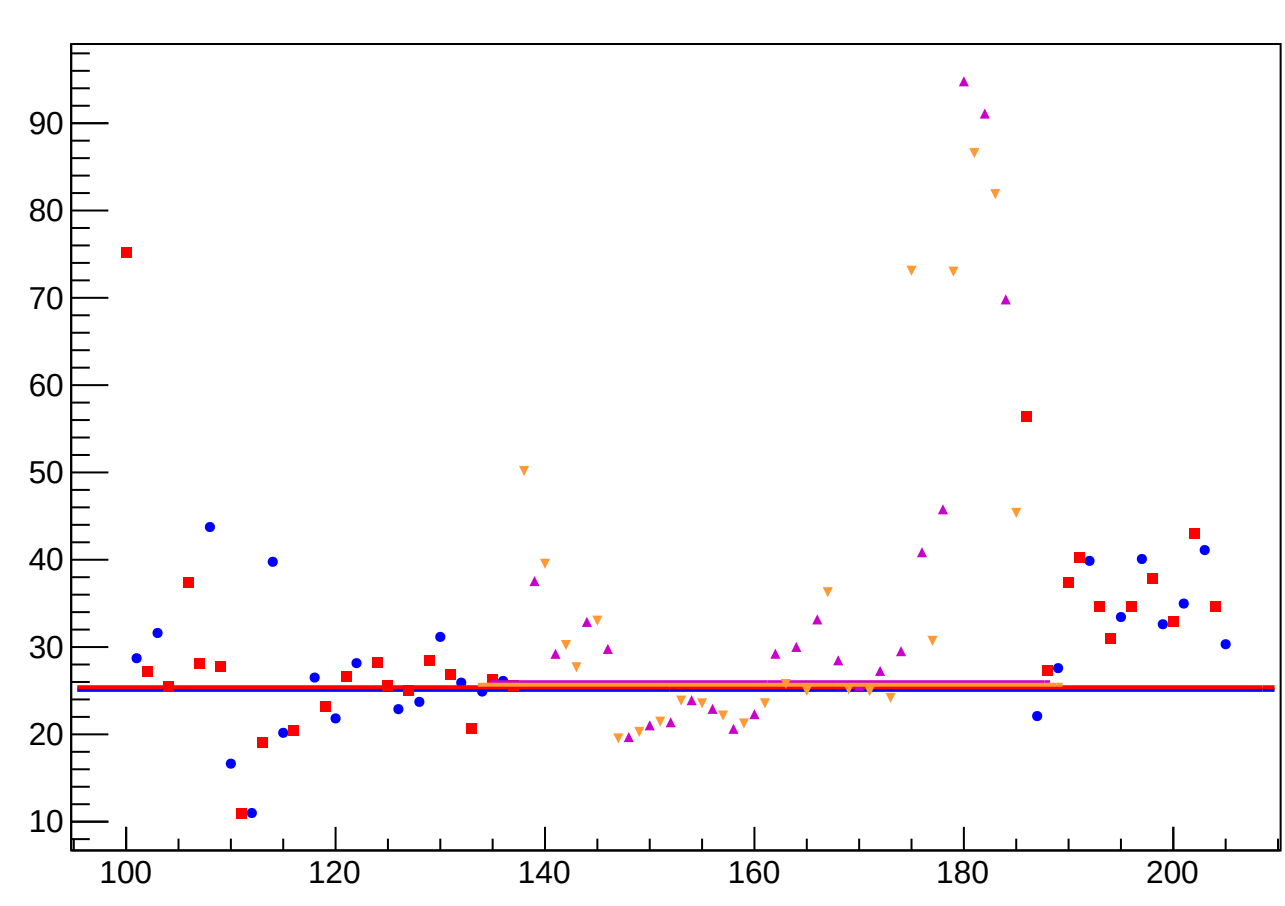
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.001+/-0.005 χ^2/NDF: 72.6/54

In: 0.006+/-0.005 χ^2/NDF:62.3/47

Out: -0.007+/-0.005 χ^2/NDF:59.4/54

All: -0.000+/-0.003 χ^2/NDF: 125.5/102



Right In: 25.099+/-0.005 χ^2/NDF: 3026107.0/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.399+/-0.005 χ^2/NDF: 3056893.5/29

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

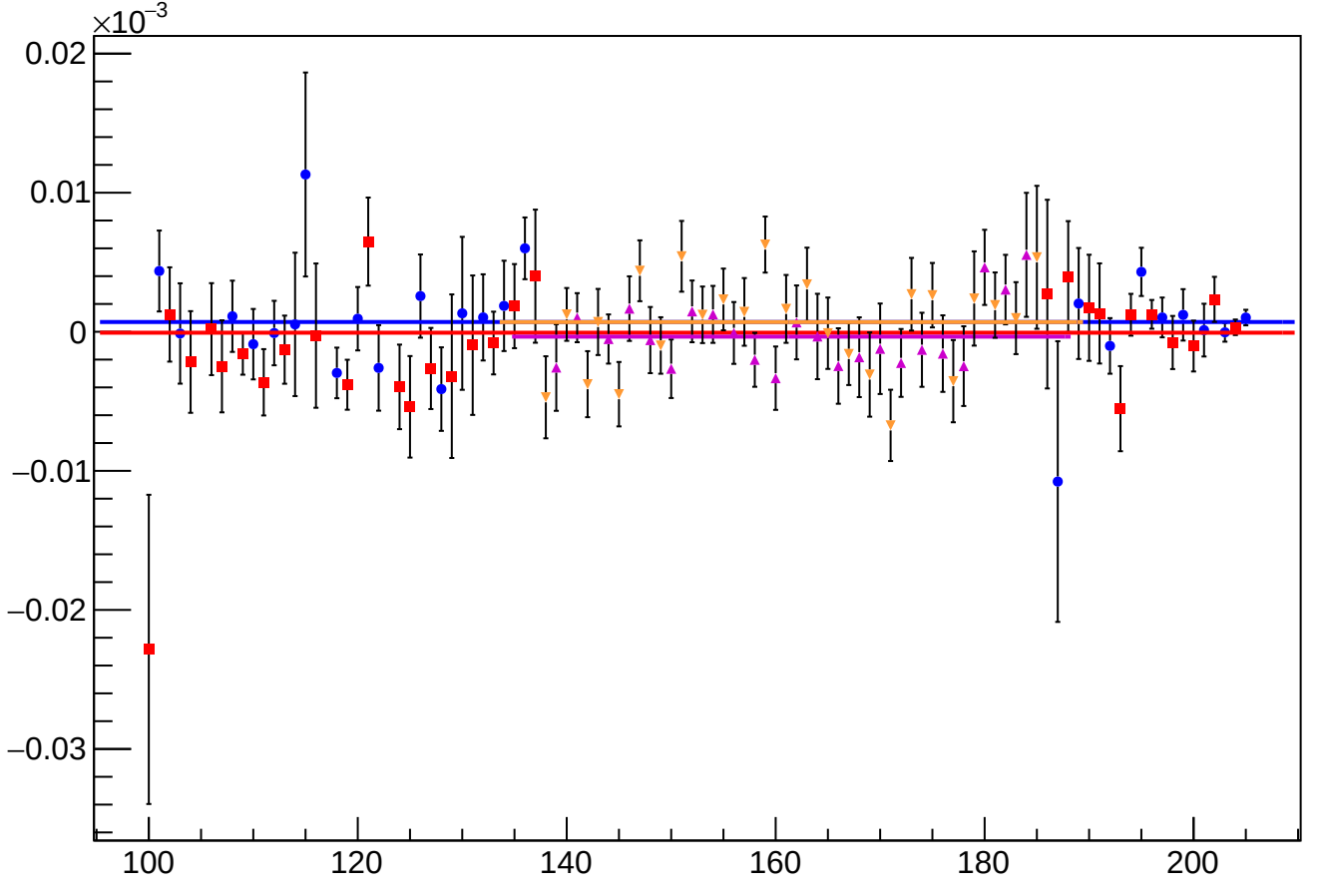
Left: 25.823+/-0.003 χ^2/NDF: 6991814.9/47

Right: 25.254+/-0.004 χ^2/NDF: 6084763.3/54

In: 25.575+/-0.003 χ^2/NDF:6160190.6/47

Out: 25.555+/-0.003 χ^2/NDF:6930246.3/54

All: 25.565+/-0.002 χ^2/NDF: 13090454.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/29

Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

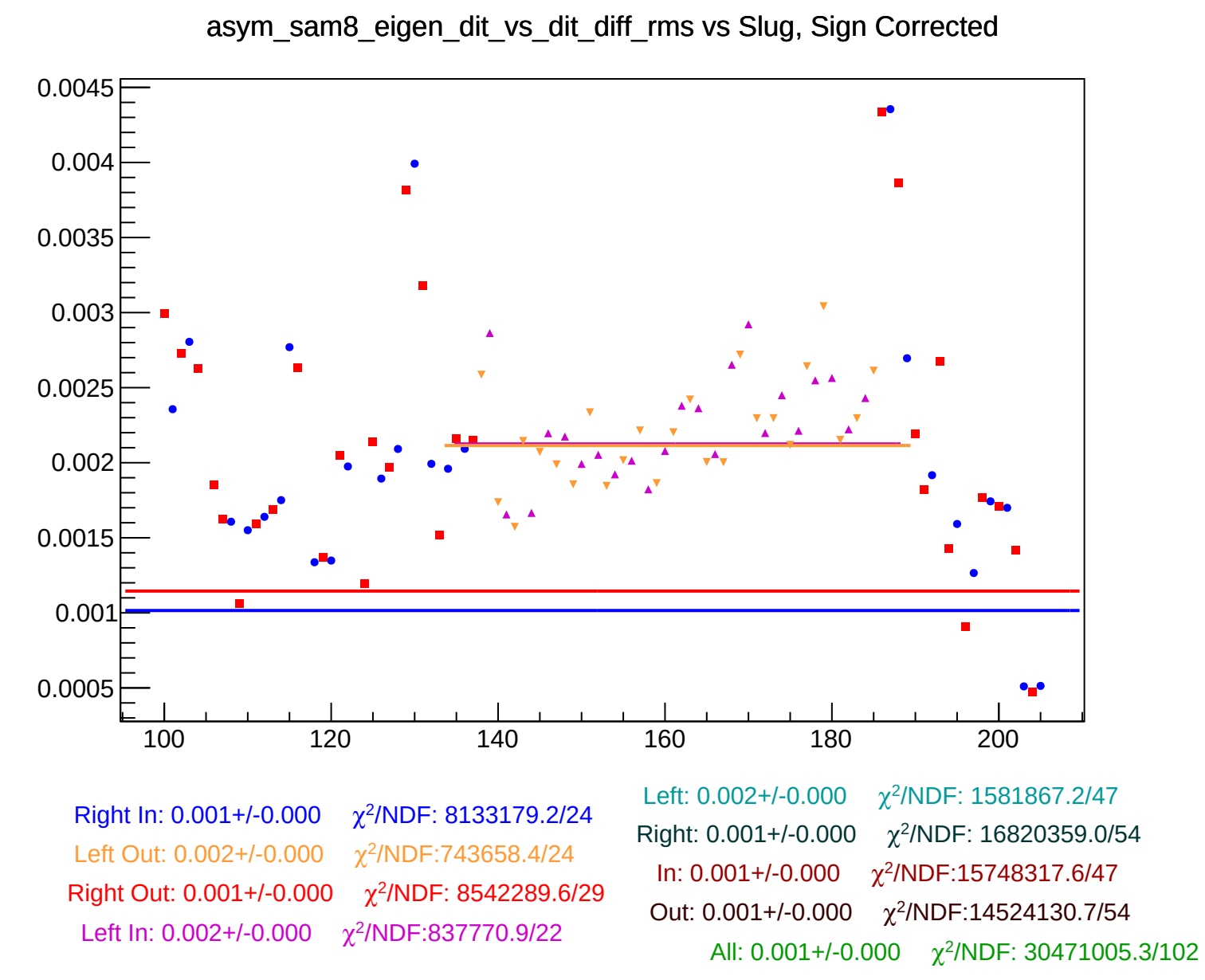
Left: 0.000+/-0.000 χ^2/NDF: 62.9/47

Right: 0.000+/-0.000 χ^2/NDF: 62.7/54

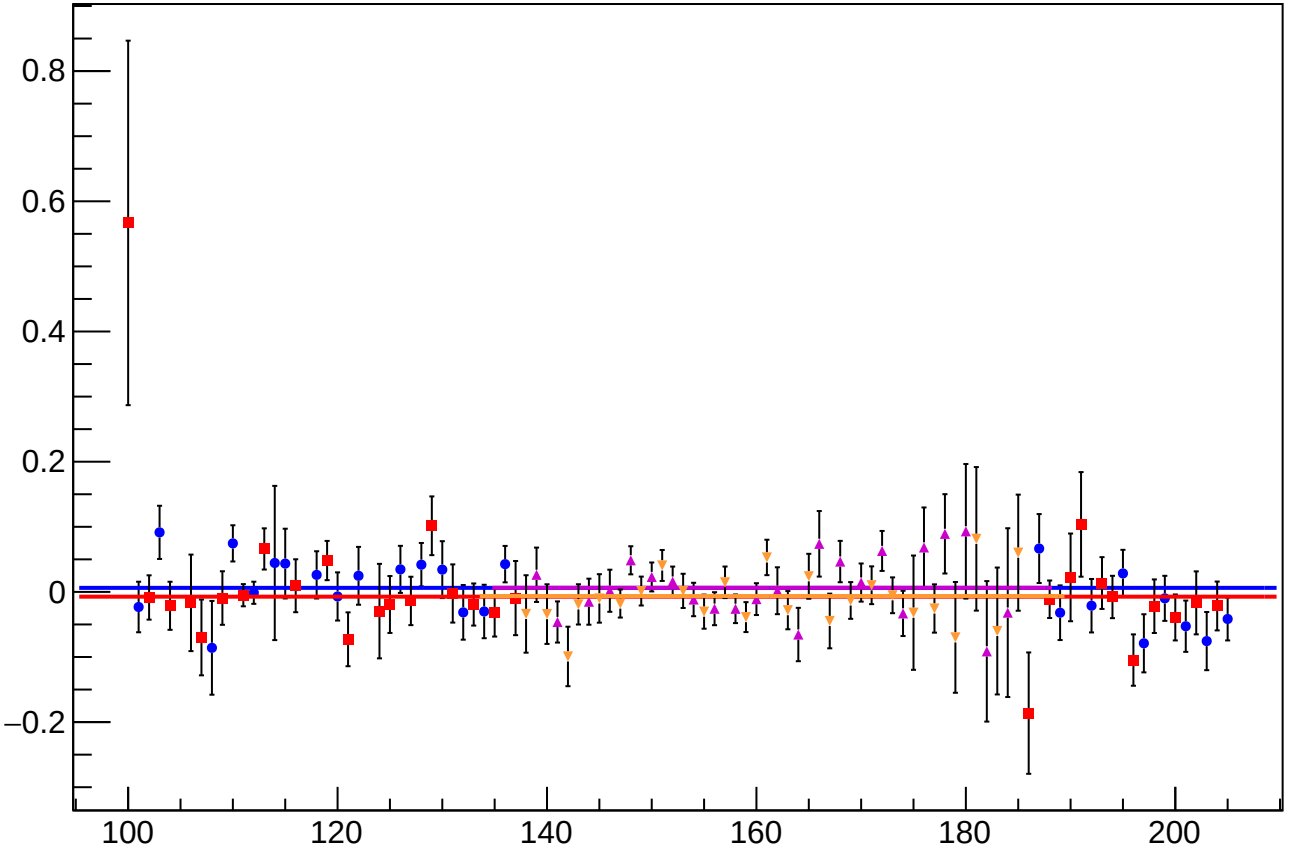
In: 0.000+/-0.000 χ^2/NDF:45.9/47

Out: 0.000+/-0.000 χ^2/NDF:79.6/54

All: 0.000+/-0.000 χ^2/NDF: 125.8/102


asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 8133179.2/24
Left Out: 0.002+/-0.000 χ²/NDF:743658.4/24
Right Out: 0.001+/-0.000 χ²/NDF: 8542289.6/29
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: 16820359.0/54
In: 0.001+/-0.000 χ²/NDF:15748317.6/47
Out: 0.001+/-0.000 χ²/NDF:14524130.7/54
All: 0.001+/-0.000 χ²/NDF: 30471005.3/102

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.9/29

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

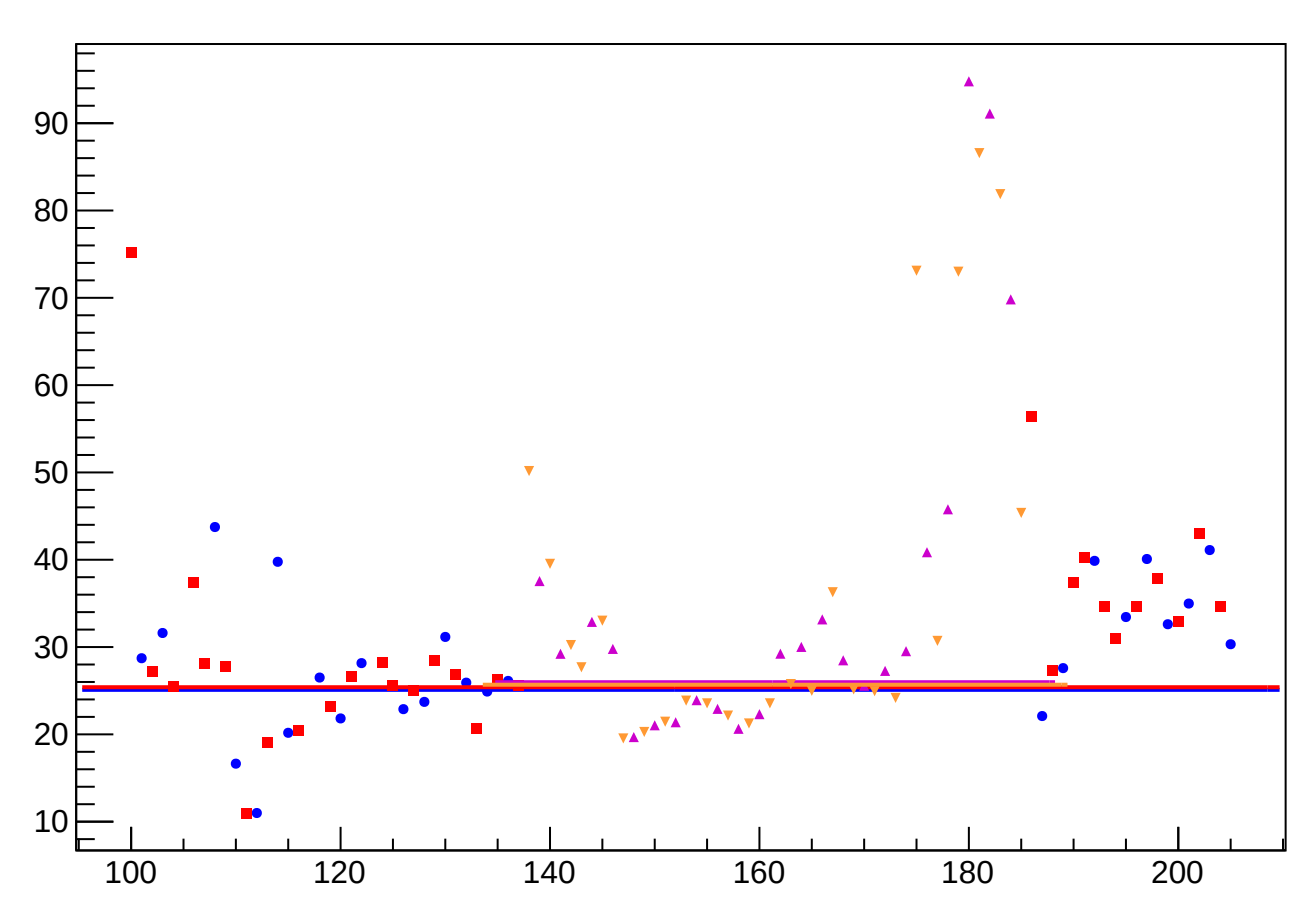
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.001+/-0.005 χ^2/NDF: 72.6/54

In: 0.006+/-0.005 χ^2/NDF:62.3/47

Out: -0.007+/-0.005 χ^2/NDF:59.4/54

All: -0.000+/-0.003 χ^2/NDF: 125.5/102



Right In: 25.098+/-0.005 χ^2/NDF: 3026376.8/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.398+/-0.005 χ^2/NDF: 3057167.2/29

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

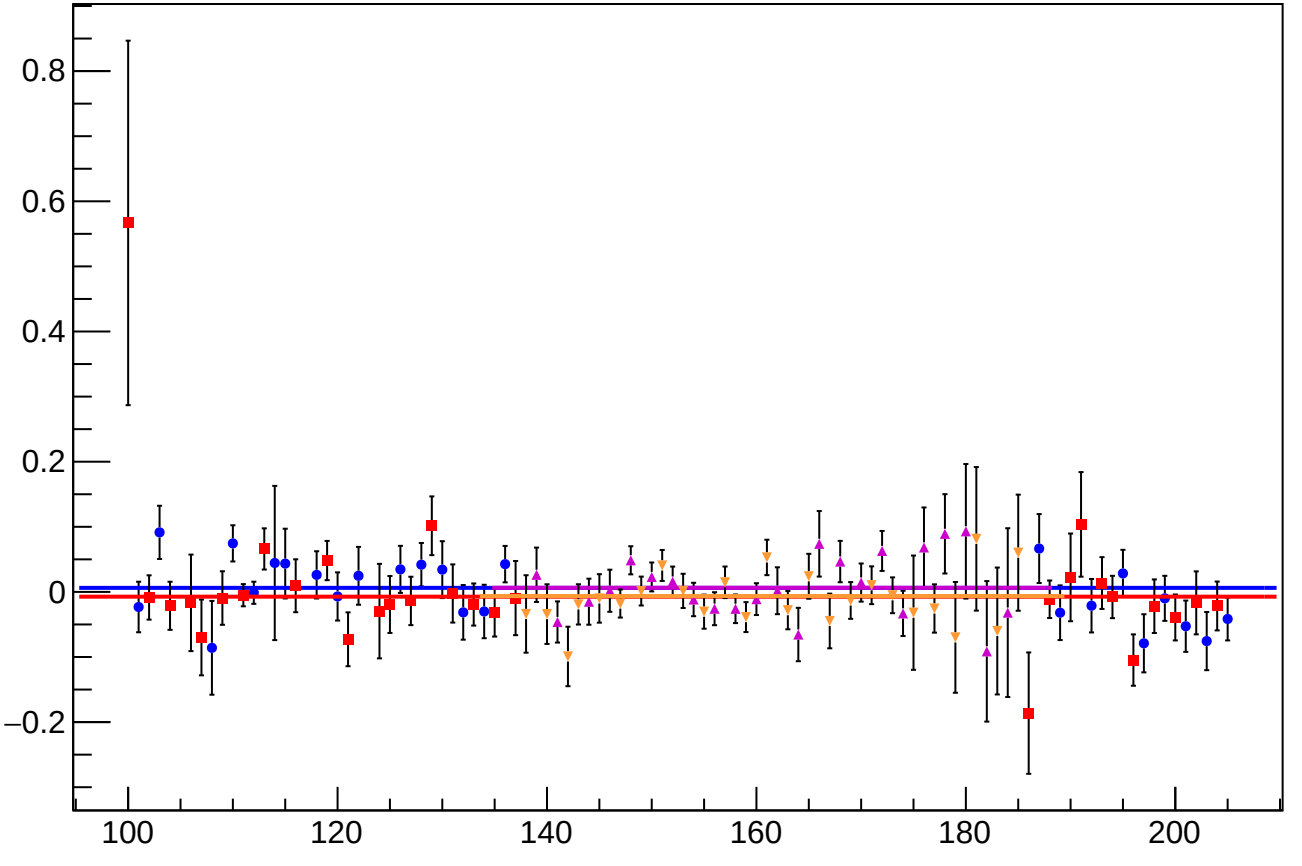
Right: 25.253+/-0.004 χ^2/NDF: 6085305.8/54

In: 25.575+/-0.003 χ^2/NDF:6160464.1/47

Out: 25.555+/-0.003 χ^2/NDF:6930532.6/54

All: 25.565+/-0.002 χ^2/NDF: 13091014.1/102

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.007+/-0.007 χ^2/NDF: 36.9/29

Left In: 0.006+/-0.007 χ^2/NDF:28.4/22

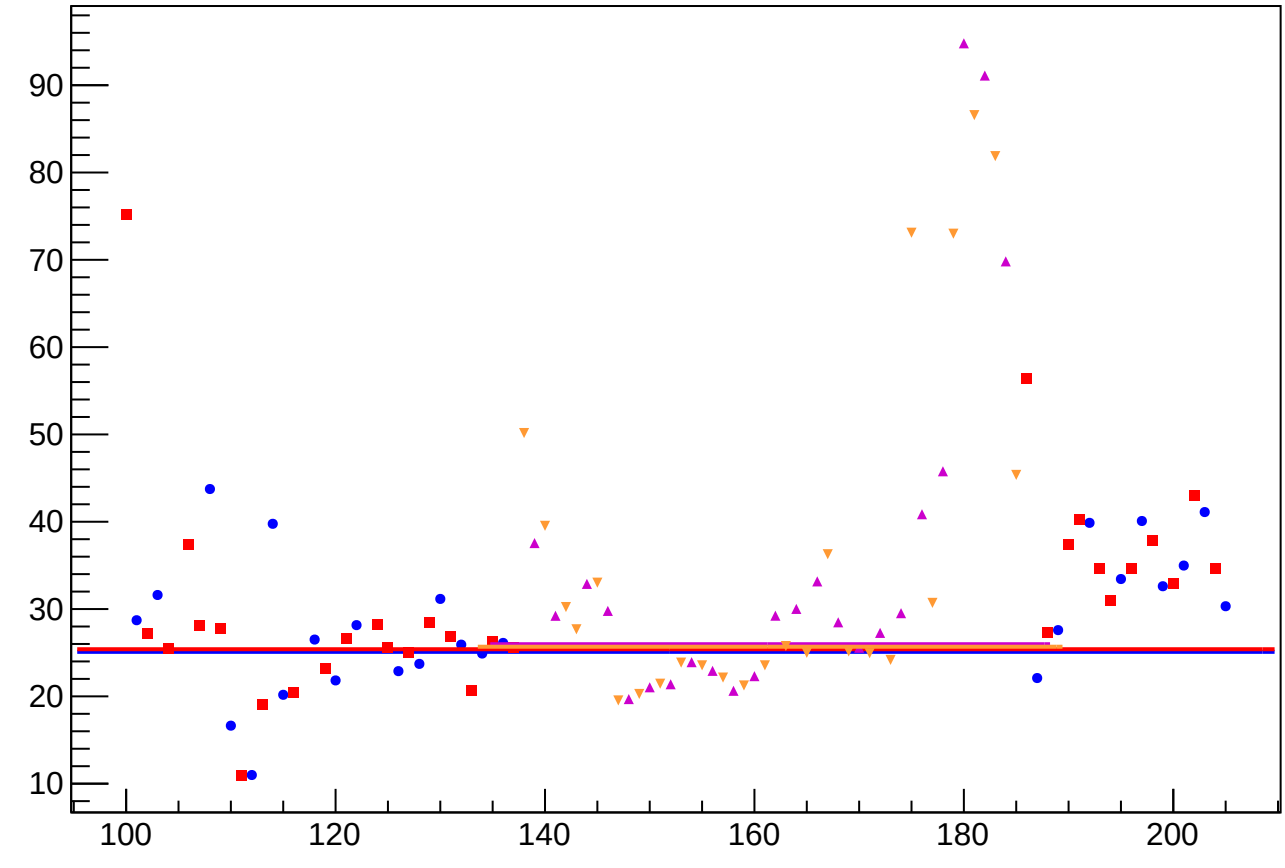
Left: -0.000+/-0.005 χ^2/NDF: 52.9/47

Right: -0.001+/-0.005 χ^2/NDF: 72.6/54

In: 0.006+/-0.005 χ^2/NDF:62.3/47

Out: -0.007+/-0.005 χ^2/NDF:59.4/54

All: -0.000+/-0.003 χ^2/NDF: 125.5/102



Right In: 25.098+/-0.005 χ^2/NDF: 3026376.8/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 25.398+/-0.005 χ^2/NDF: 3057167.2/29

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

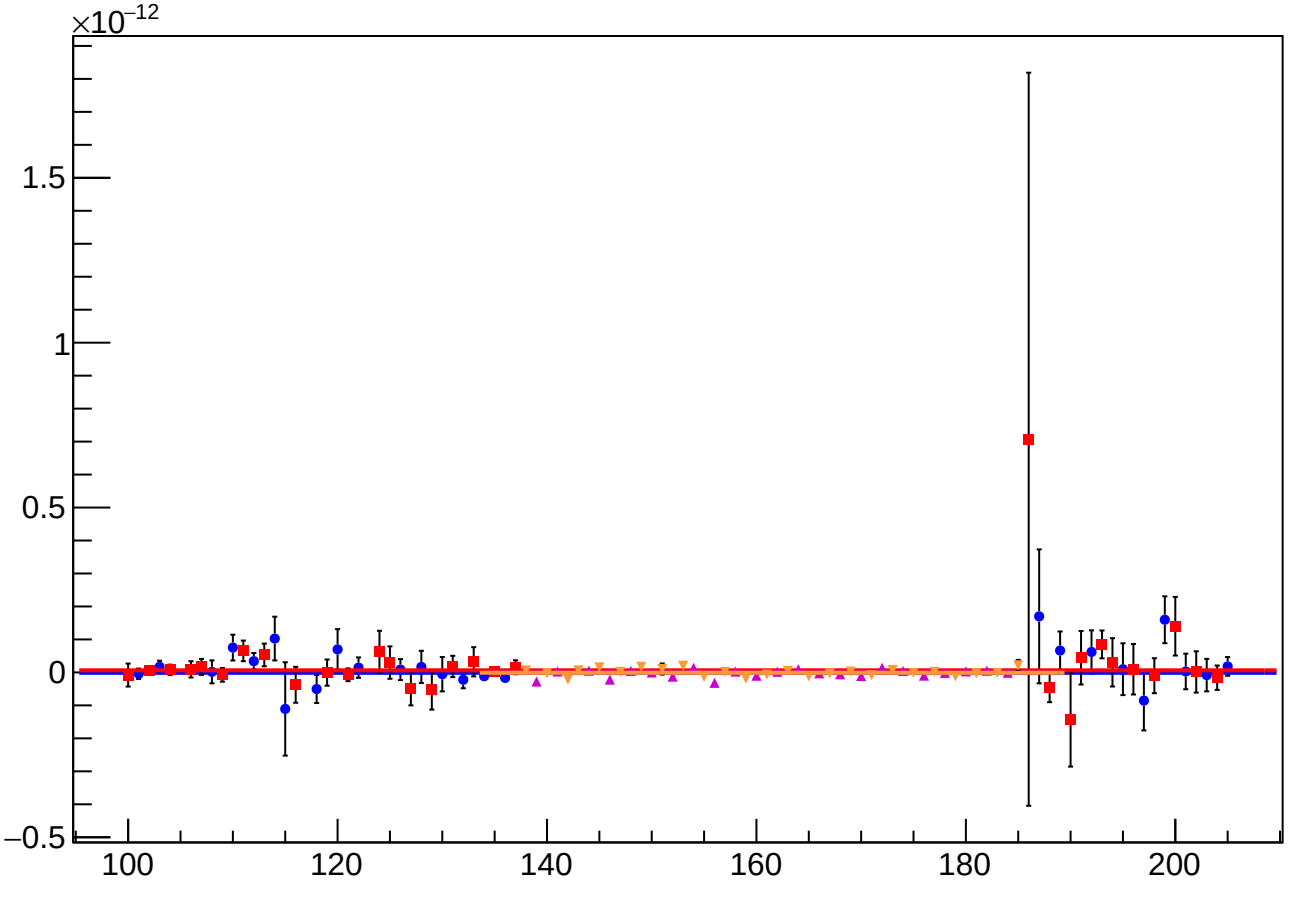
Left: 25.823+/-0.003 χ^2/NDF: 6991798.2/47

Right: 25.253+/-0.004 χ^2/NDF: 6085305.8/54

In: 25.575+/-0.003 χ^2/NDF:6160464.1/47

Out: 25.555+/-0.003 χ^2/NDF:6930532.6/54

All: 25.565+/-0.002 χ^2/NDF: 13091014.1/102



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.7/29

Left In: -0.000+/-0.000 χ^2/NDF:29.7/22

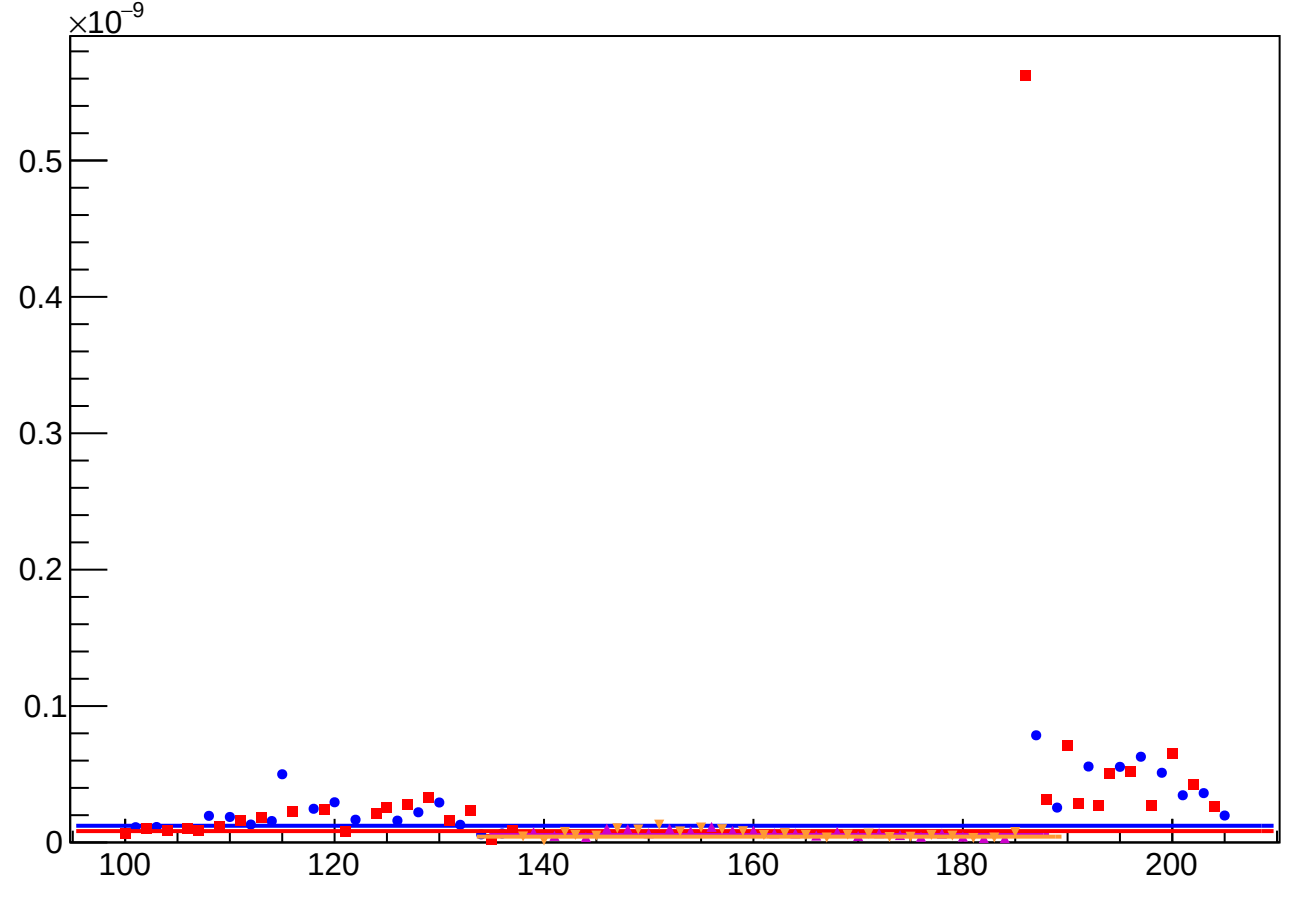
Left: -0.000+/-0.000 χ^2/NDF: 58.5/47

Right: 0.000+/-0.000 χ^2/NDF: 48.8/54

In: -0.000+/-0.000 χ^2/NDF:56.6/47

Out: -0.000+/-0.000 χ^2/NDF:52.2/54

All: -0.000+/-0.000 χ^2/NDF: 108.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 6175934.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9682992.5/29

Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

Left: 0.000+/-0.000 χ^2/NDF: 8813295.5/47

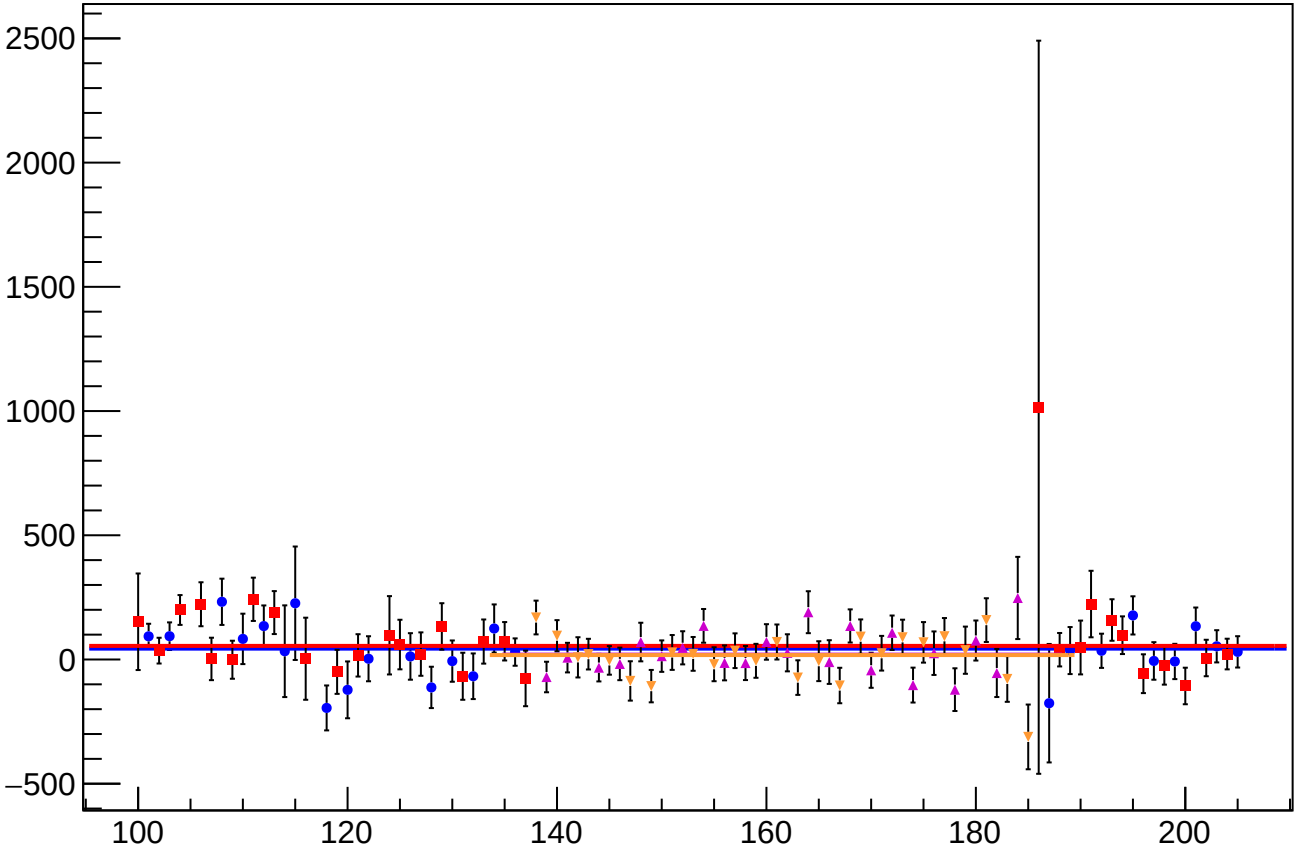
Right: 0.000+/-0.000 χ^2/NDF: 16533179.6/54

In: 0.000+/-0.000 χ^2/NDF:12004608.6/47

Out: 0.000+/-0.000 χ^2/NDF:16762052.8/54

All: 0.000+/-0.000 χ^2/NDF: 29708236.9/102

reg_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 43.740+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.722+/-15.442 χ^2/NDF: 36.0/29

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.687+/-10.437 χ^2/NDF: 57.8/47

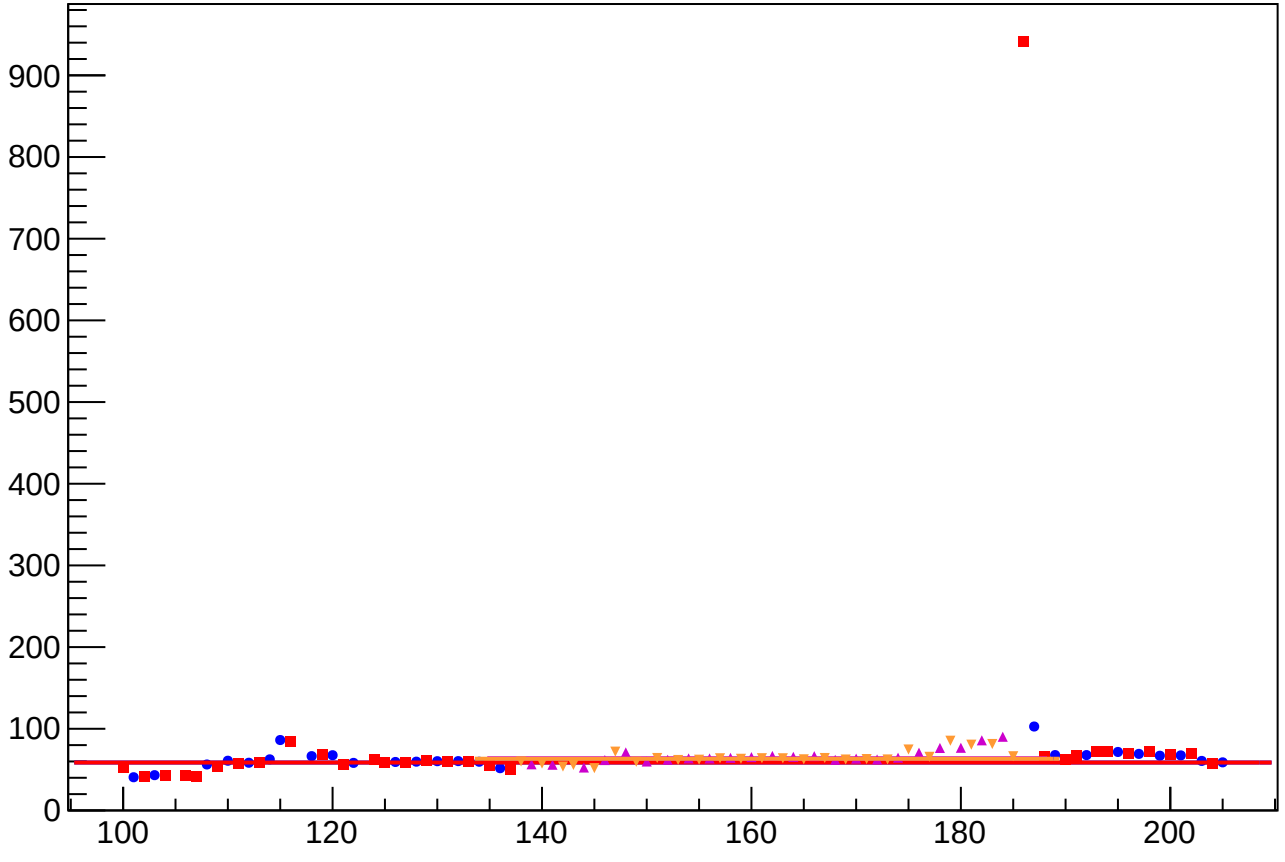
Right: 49.396+/-11.082 χ^2/NDF: 66.0/54

In: 31.011+/-10.931 χ^2/NDF:57.2/47

Out: 35.095+/-10.568 χ^2/NDF:70.6/54

All: 33.122+/-7.598 χ^2/NDF: 127.9/102

reg_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.687+/-0.011 χ^2/NDF: 776430.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1647610.8/29

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

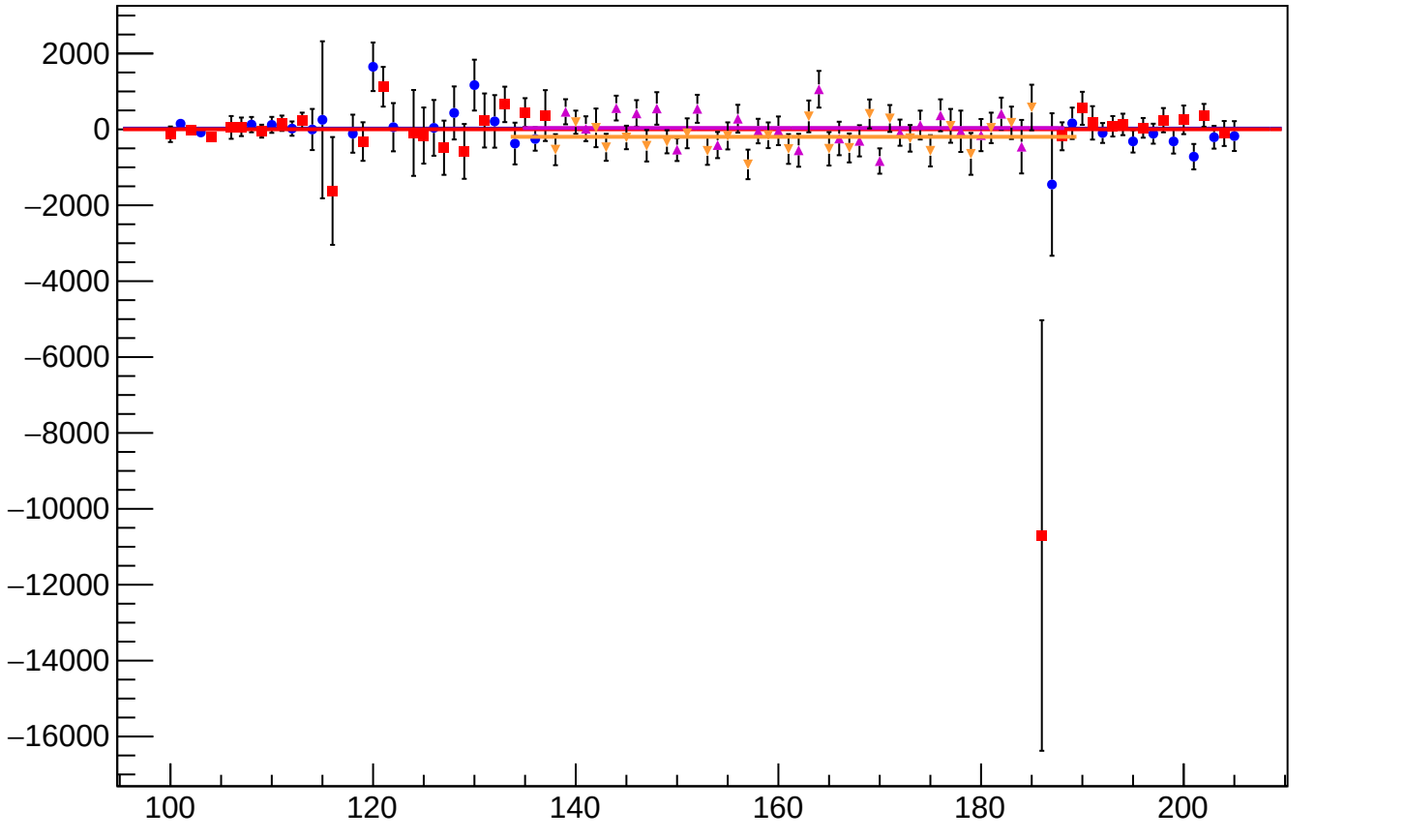
Left: 63.604+/-0.007 χ^2/NDF: 944421.1/47

Right: 58.677+/-0.008 χ^2/NDF: 2424043.4/54

In: 61.450+/-0.008 χ^2/NDF:1335873.9/47

Out: 61.136+/-0.007 χ^2/NDF:2241283.4/54

All: 61.288+/-0.005 χ^2/NDF: 3578011.4/102



Right In: 20.843+/-42.804 χ^2/NDF: 26.0/24

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: 3.558+/-45.109 χ^2/NDF: 26.9/29

Left In: 36.417+/-79.210 χ^2/NDF:31.1/22

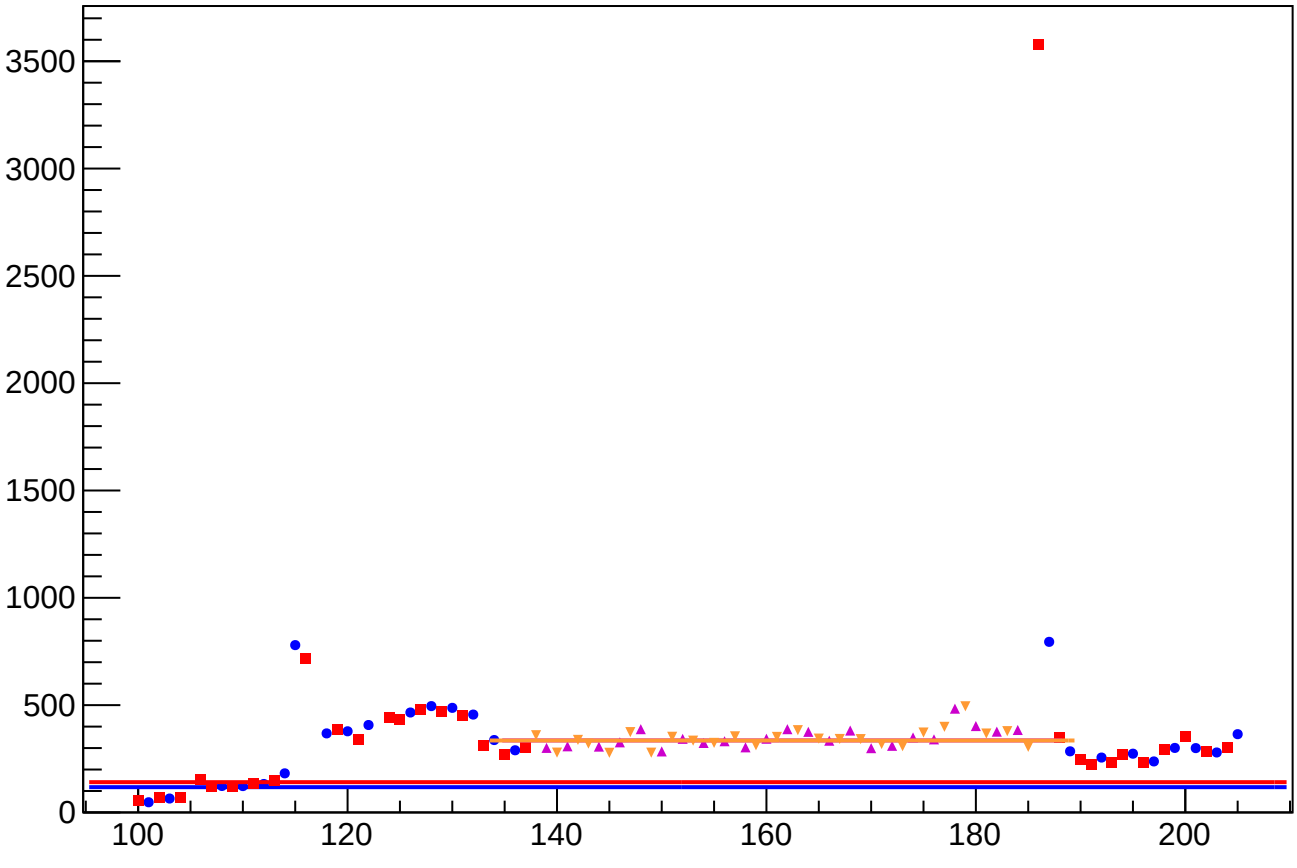
Left: -82.919+/-55.244 χ^2/NDF: 56.1/47

Right: 12.653+/-31.050 χ^2/NDF: 52.9/54

In: 24.363+/-37.658 χ^2/NDF:57.1/47

Out: -47.330+/-38.933 χ^2/NDF:52.5/54

All: -10.290+/-27.068 χ^2/NDF: 111.3/102



Right In: 117.825+/-0.030 χ^2/NDF: 12162696.0/24

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 141.114+/-0.032 χ^2/NDF: 10694094.8/29

Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

Left: 335.395+/-0.039 χ^2/NDF: 1058975.3/47

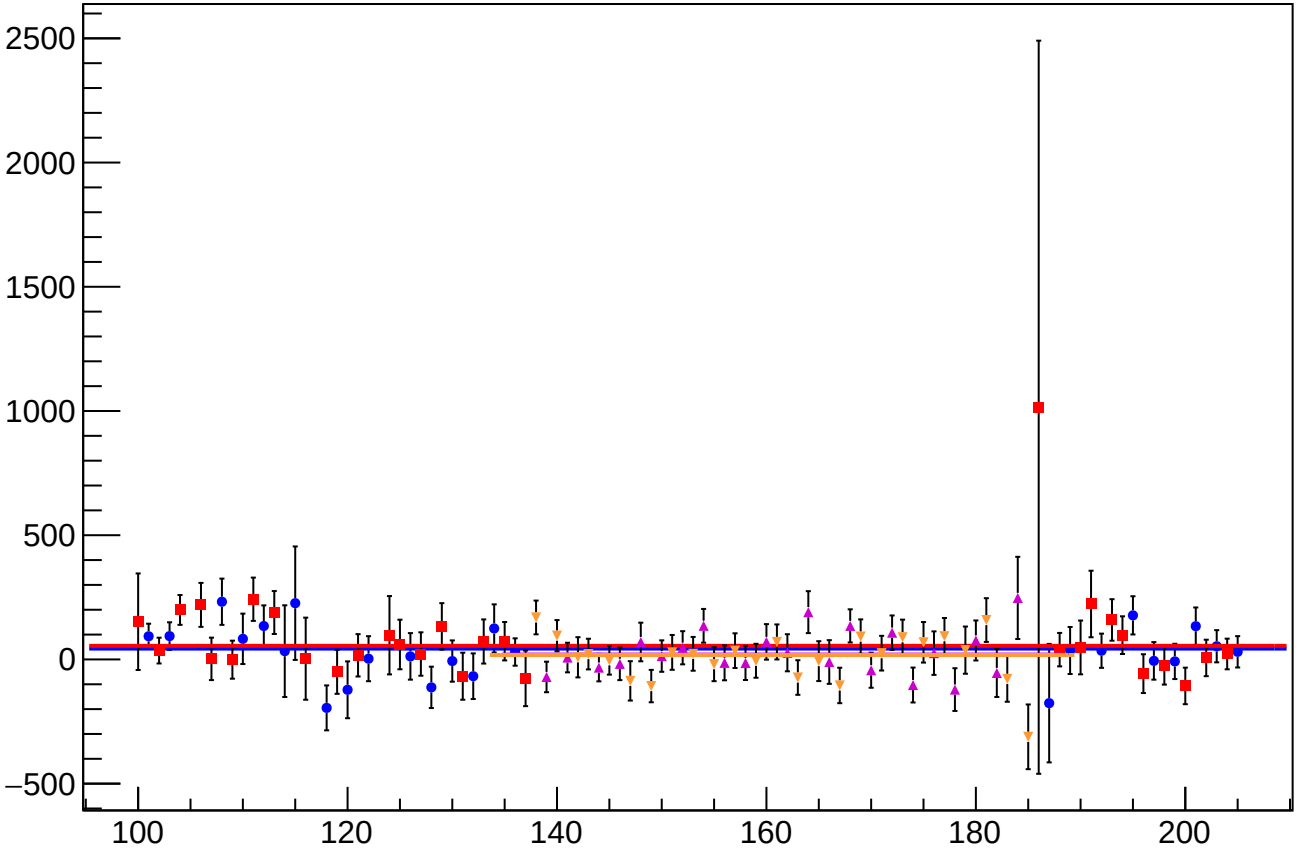
Right: 128.859+/-0.022 χ^2/NDF: 23137317.7/54

In: 167.029+/-0.027 χ^2/NDF:24350811.3/47

Out: 190.638+/-0.028 χ^2/NDF:20708825.2/54

All: 178.441+/-0.019 χ^2/NDF: 45439597.5/10

cor_asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 43.747+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.639+/-15.442 χ^2/NDF: 35.9/29

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

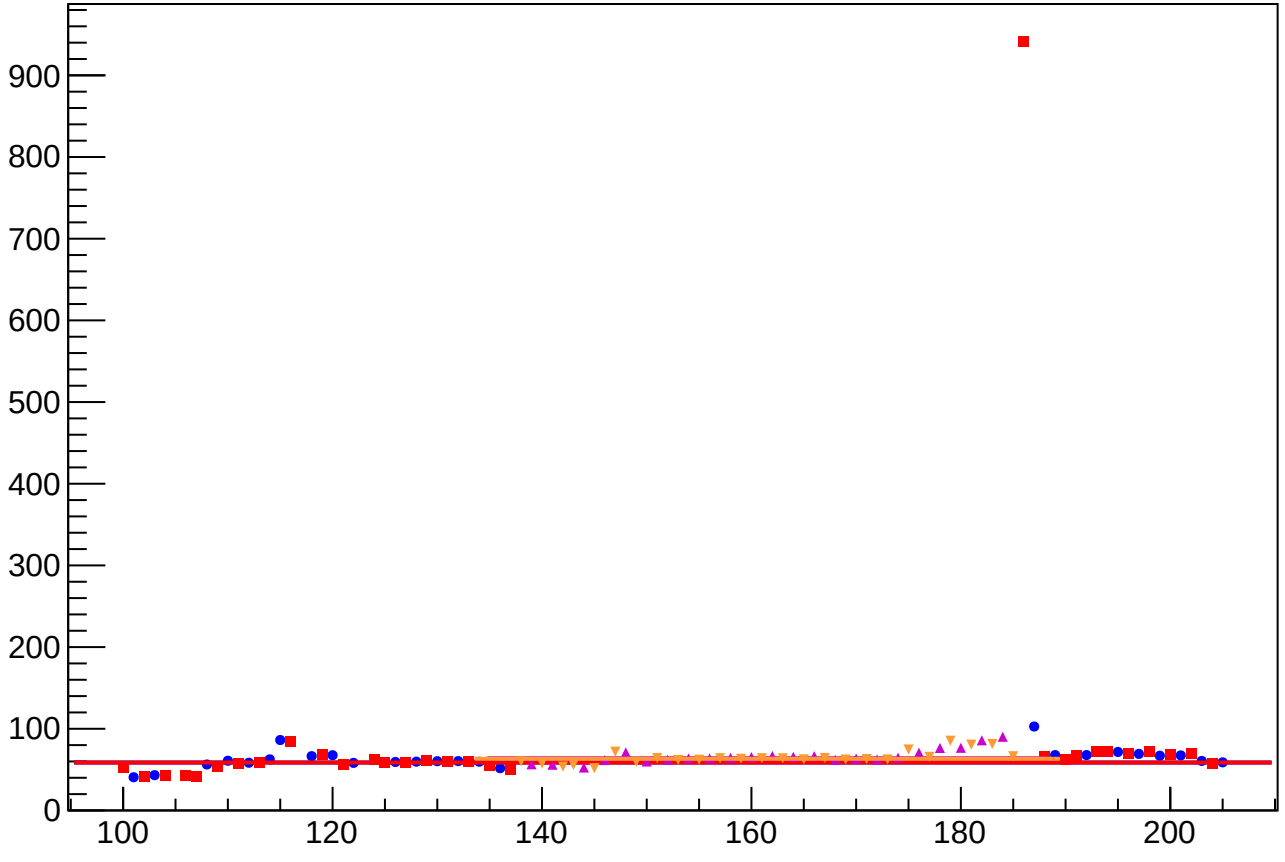
Right: 49.357+/-11.082 χ^2/NDF: 65.9/54

In: 31.014+/-10.931 χ^2/NDF:57.2/47

Out: 35.057+/-10.569 χ^2/NDF:70.5/54

All: 33.104+/-7.598 χ^2/NDF: 127.7/102

cor_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 58.687+/-0.011 χ^2/NDF: 776429.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1648026.6/29

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

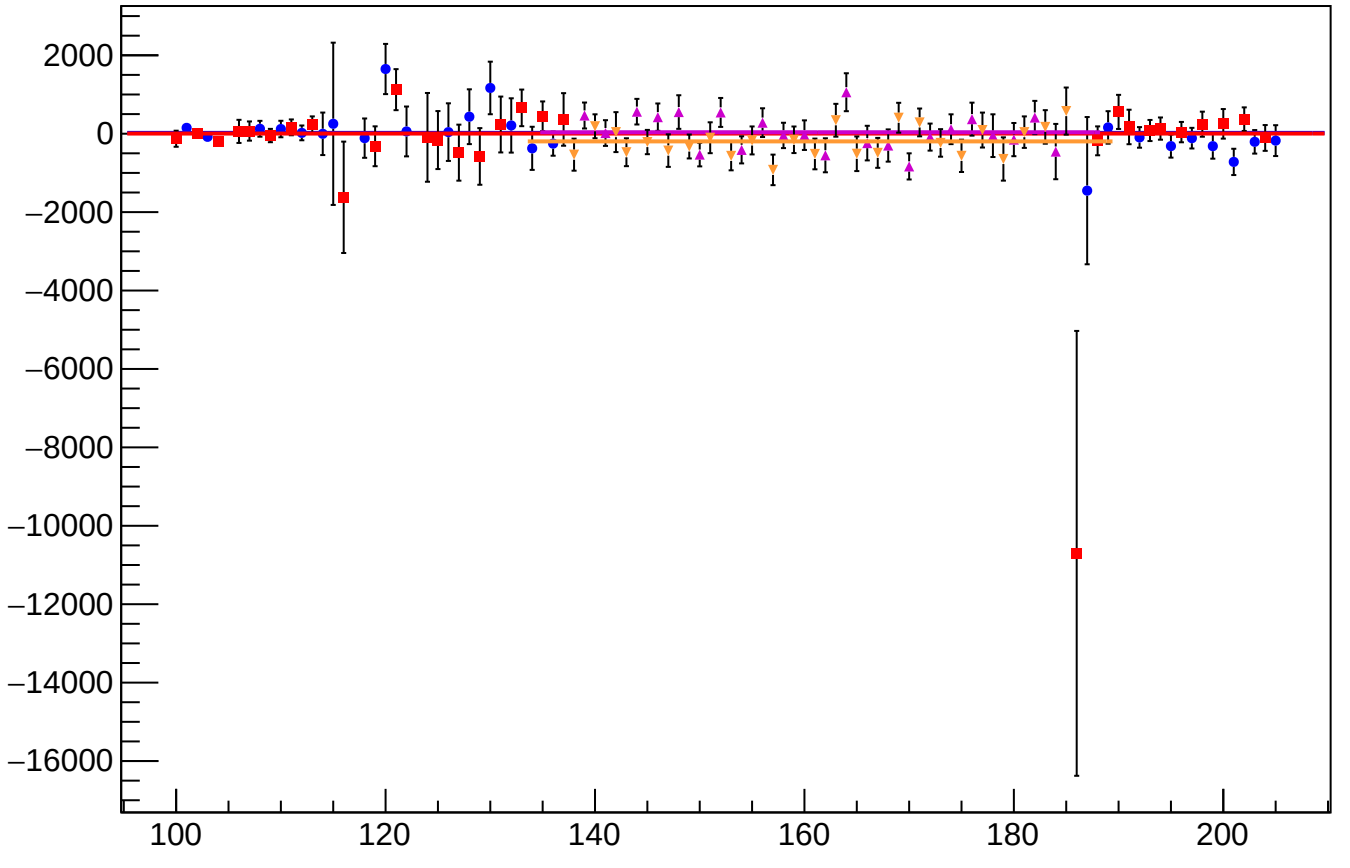
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.676+/-0.008 χ^2/NDF: 2424458.4/54

In: 61.450+/-0.008 χ^2/NDF:1335872.8/47

Out: 61.136+/-0.007 χ^2/NDF:2241731.0/54

All: 61.288+/-0.005 χ^2/NDF: 3578459.5/102



Right In: 20.847+/-42.803 χ^2/NDF: 26.0/24

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 3.873+/-45.078 χ^2/NDF: 26.9/29

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

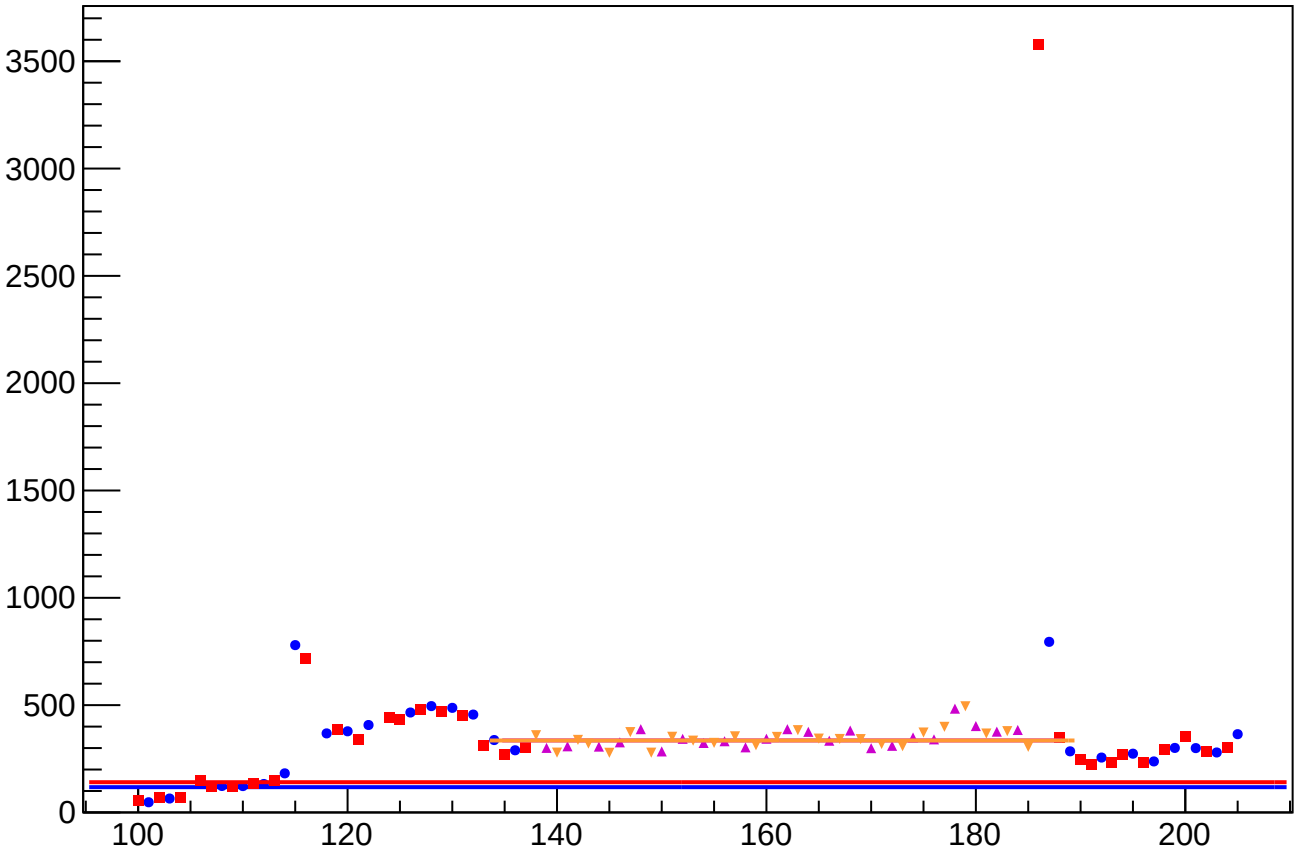
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 12.799+/-31.040 χ^2/NDF: 52.9/54

In: 24.366+/-37.657 χ^2/NDF:57.1/47

Out: -47.042+/-38.913 χ^2/NDF:52.5/54

All: -10.167+/-27.061 χ^2/NDF: 111.3/102



Right In: 117.821+/-0.030 χ^2/NDF: 12162951.8/24

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 140.926+/-0.032 χ^2/NDF: 10696798.9/29

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

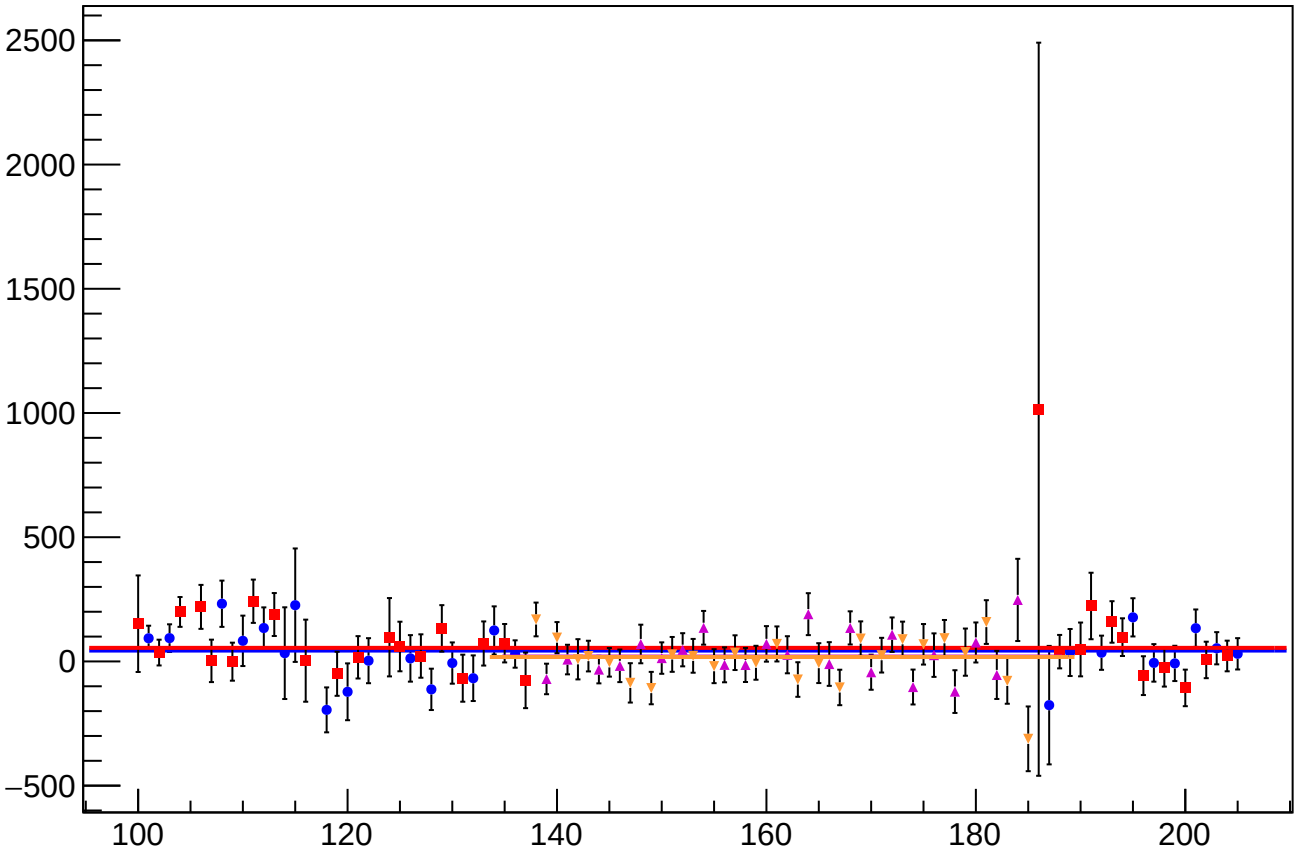
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 128.776+/-0.022 χ^2/NDF: 23136036.1/54

In: 167.025+/-0.027 χ^2/NDF:24351509.0/47

Out: 190.447+/-0.028 χ^2/NDF:20733201.6/54

All: 178.352+/-0.019 χ^2/NDF: 45458877.3/10



Right In: 43.747+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: 54.639+/-15.442 χ^2/NDF: 35.9/29

Left In: 19.642+/-15.040 χ^2/NDF:26.2/22

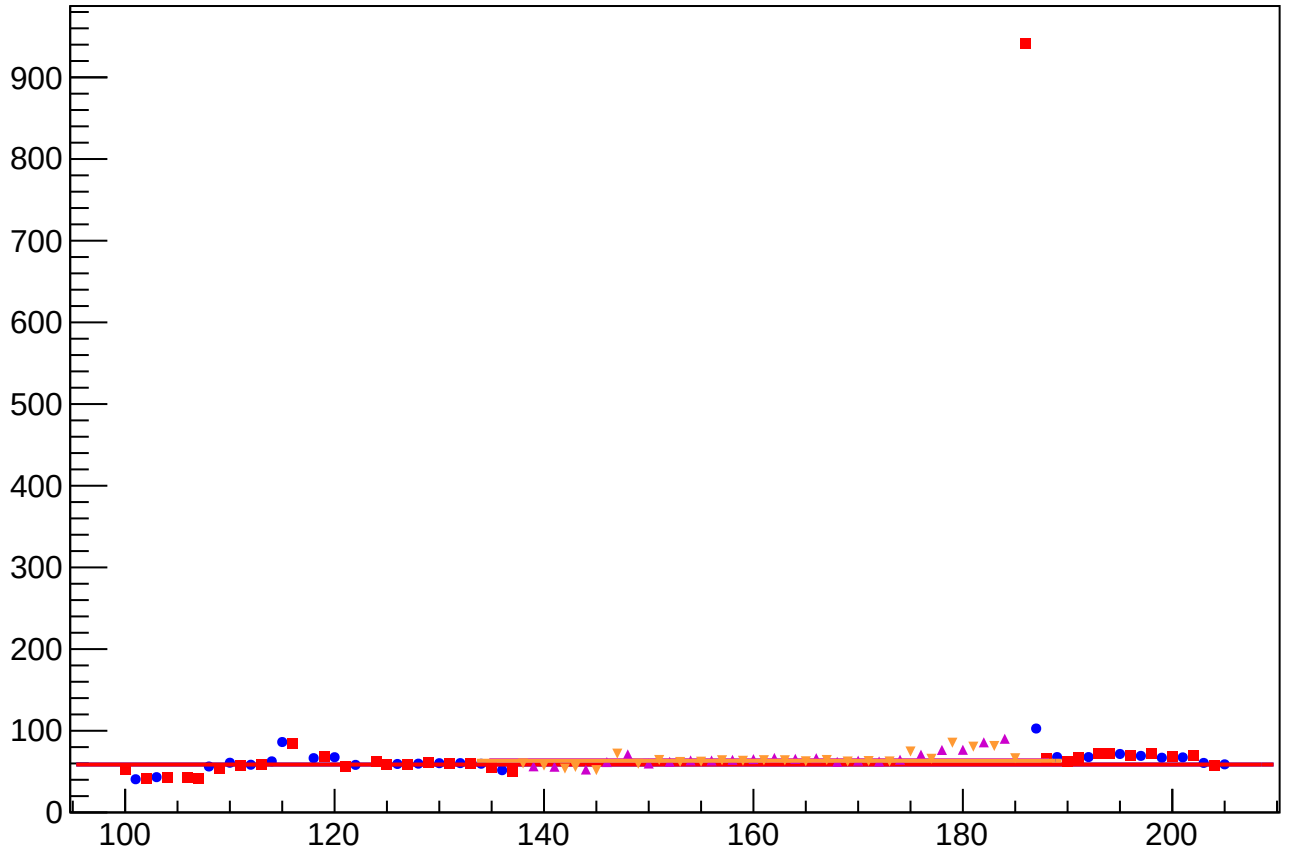
Left: 18.689+/-10.437 χ^2/NDF: 57.8/47

Right: 49.357+/-11.082 χ^2/NDF: 65.9/54

In: 31.014+/-10.931 χ^2/NDF:57.2/47

Out: 35.057+/-10.569 χ^2/NDF:70.5/54

All: 33.104+/-7.598 χ^2/NDF: 127.7/102



Right In: 58.687+/-0.011 χ^2/NDF: 776429.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.666+/-0.011 χ^2/NDF: 1648026.6/29

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

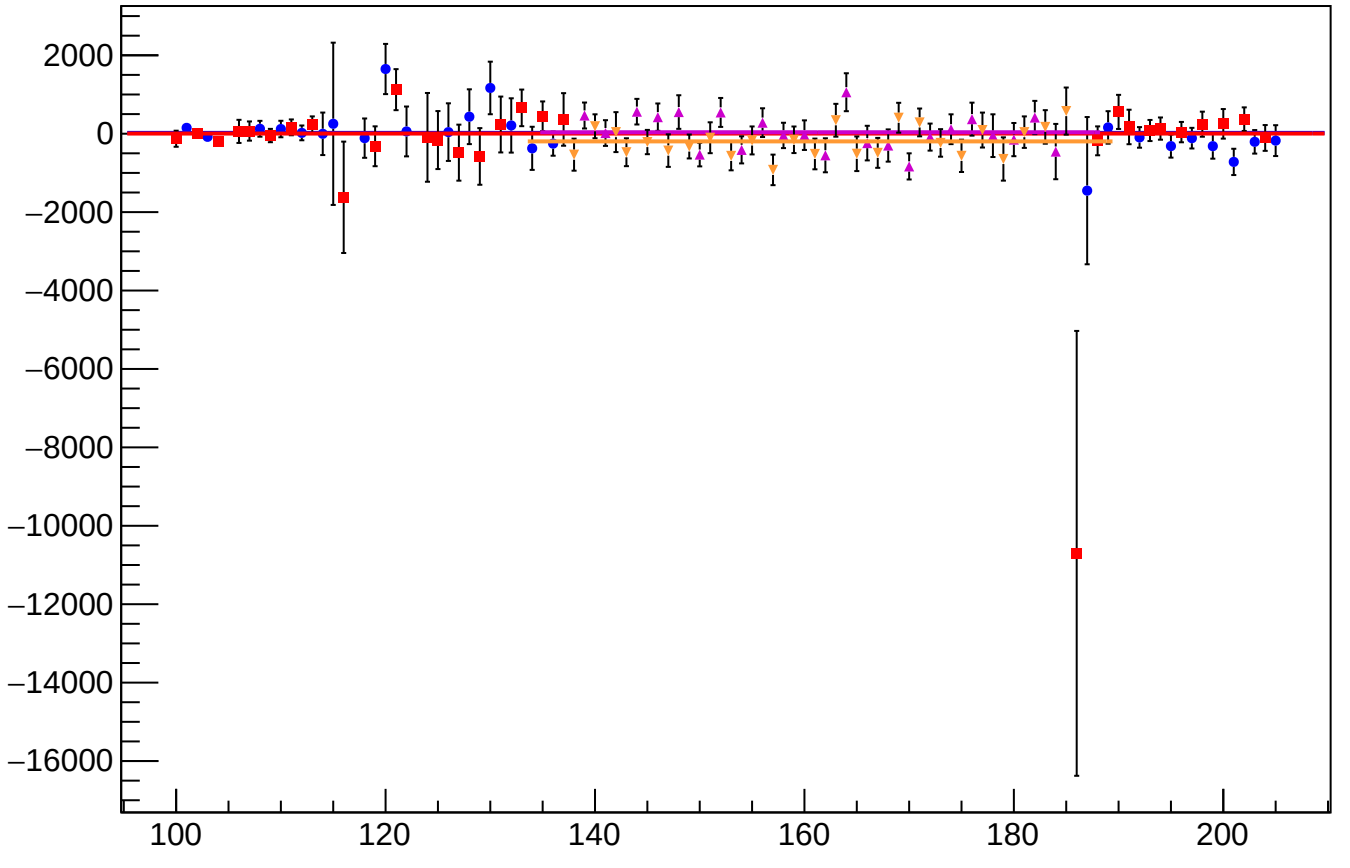
Left: 63.604+/-0.007 χ^2/NDF: 944421.2/47

Right: 58.676+/-0.008 χ^2/NDF: 2424458.4/54

In: 61.450+/-0.008 χ^2/NDF:1335872.8/47

Out: 61.136+/-0.007 χ^2/NDF:2241731.0/54

All: 61.288+/-0.005 χ^2/NDF: 3578459.5/102



Right In: 20.847+/-42.803 χ^2/NDF: 26.0/24

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: 3.873+/-45.078 χ^2/NDF: 26.9/29

Left In: 36.414+/-79.210 χ^2/NDF:31.1/22

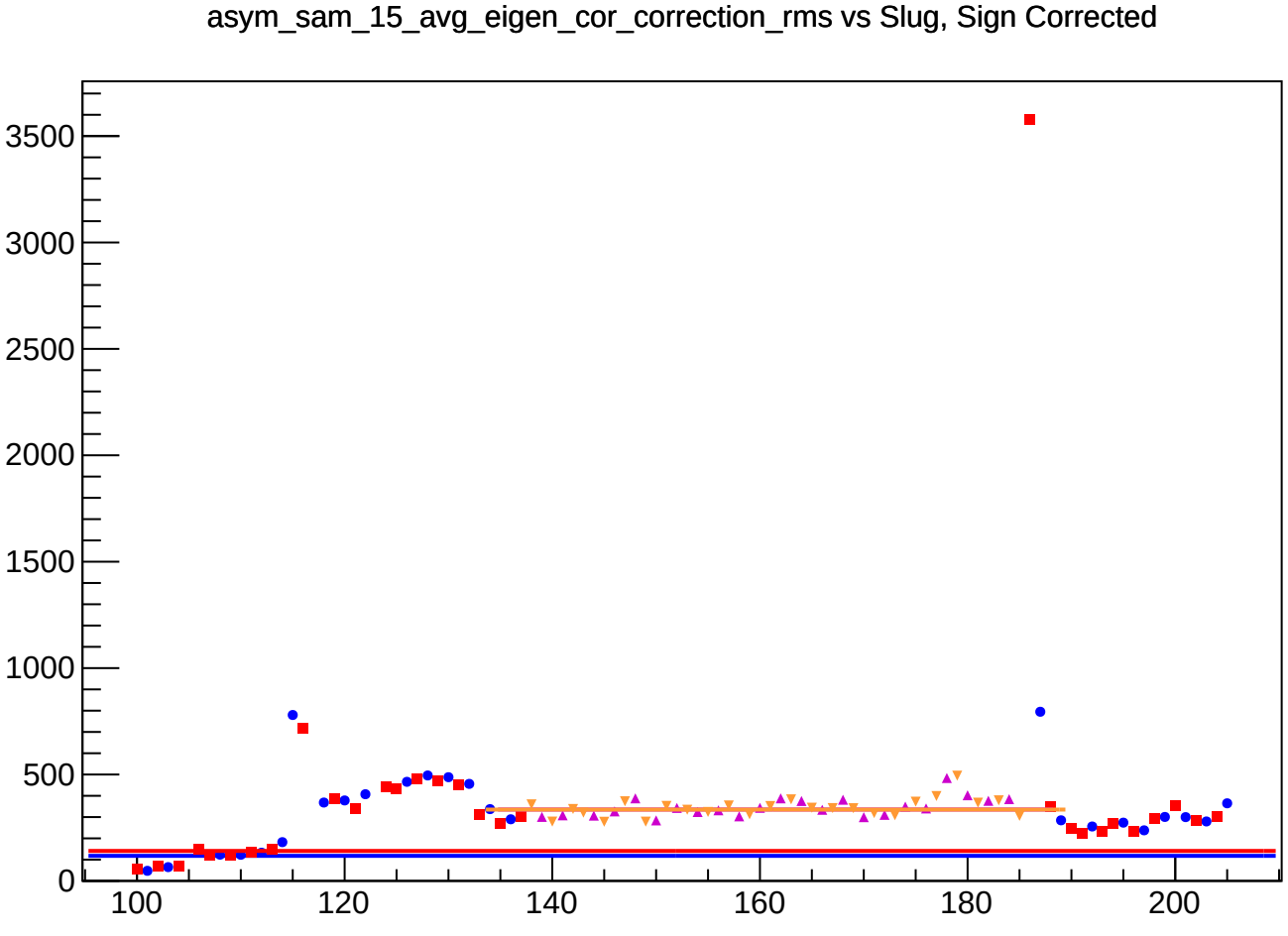
Left: -82.918+/-55.244 χ^2/NDF: 56.1/47

Right: 12.799+/-31.040 χ^2/NDF: 52.9/54

In: 24.366+/-37.657 χ^2/NDF:57.1/47

Out: -47.042+/-38.913 χ^2/NDF:52.5/54

All: -10.167+/-27.061 χ^2/NDF: 111.3/102



Right In: 117.821+/-0.030 χ^2/NDF: 12162951.8/24

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 140.926+/-0.032 χ^2/NDF: 10696798.9/29

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

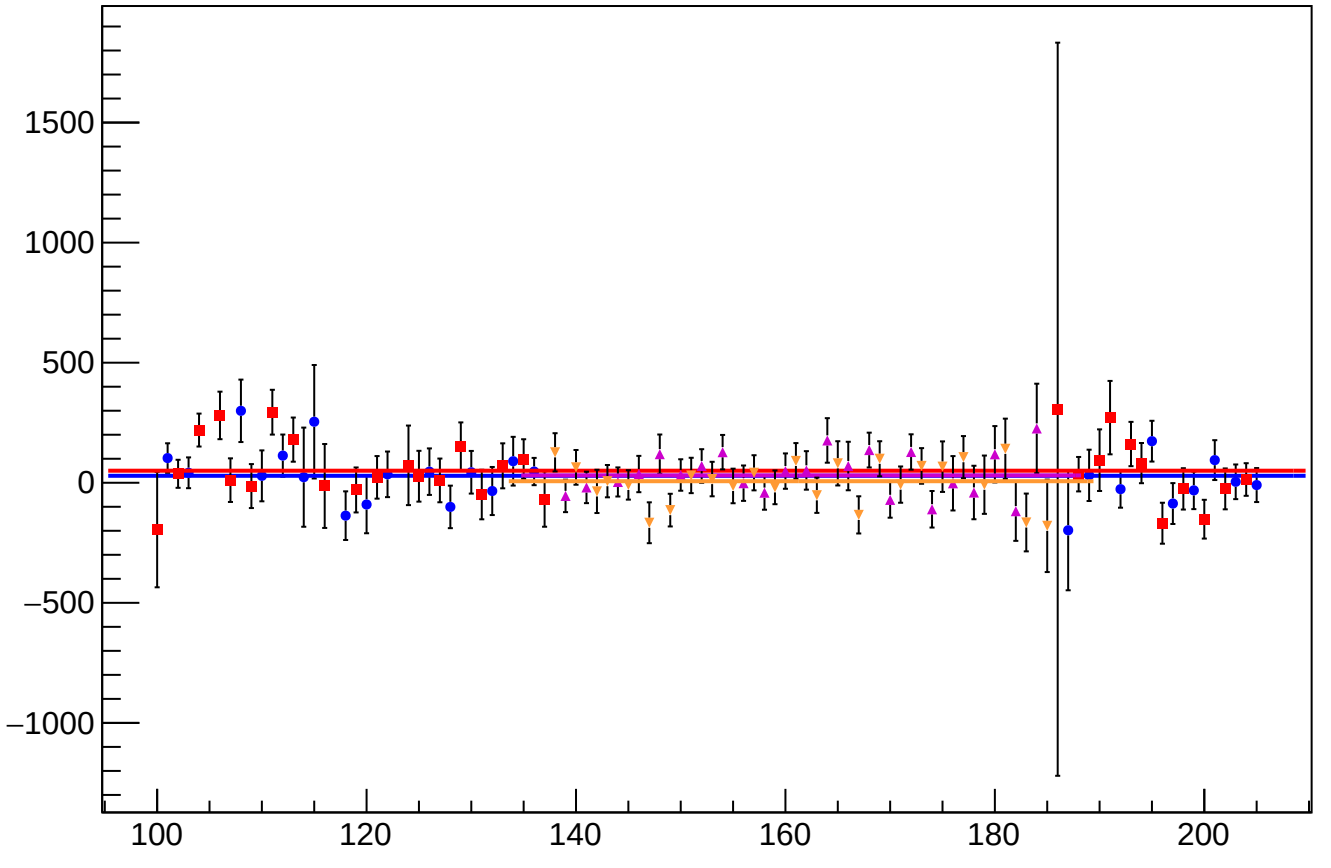
Left: 335.395+/-0.039 χ^2/NDF: 1058977.6/47

Right: 128.776+/-0.022 χ^2/NDF: 23136036.1/54

In: 167.025+/-0.027 χ^2/NDF:24351509.0/47

Out: 190.447+/-0.028 χ^2/NDF:20733201.6/54

All: 178.352+/-0.019 χ^2/NDF: 45458877.3/10



Right In: 29.040+/-17.620 χ^2/NDF: 22.1/24

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 50.220+/-16.934 χ^2/NDF: 45.2/29

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

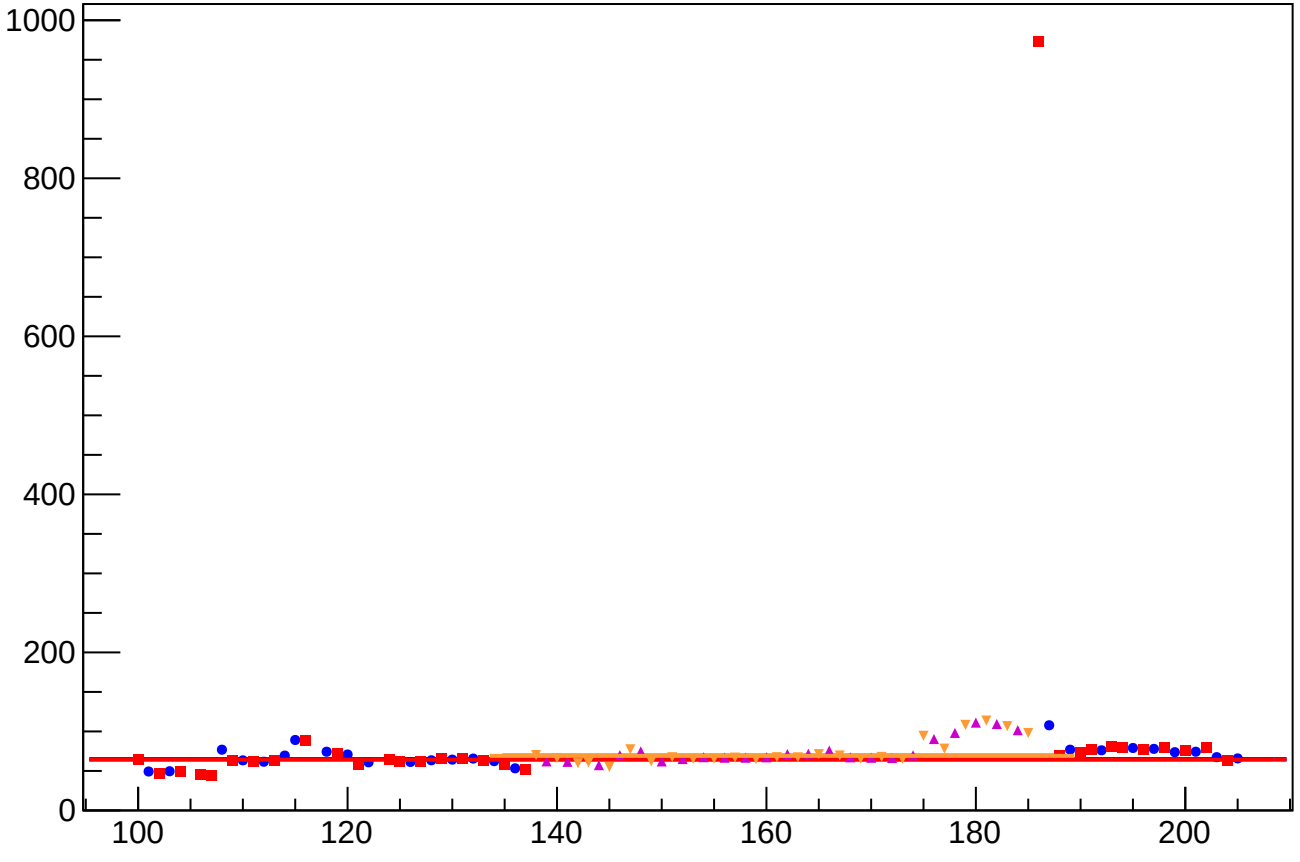
Right: 40.050+/-12.209 χ^2/NDF: 68.0/54

In: 29.904+/-12.045 χ^2/NDF:44.5/47

Out: 27.074+/-11.621 χ^2/NDF:73.8/54

All: 28.438+/-8.363 χ^2/NDF: 118.4/102

dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.977+/-0.012 χ^2/NDF: 681216.9/24

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.213+/-0.012 χ^2/NDF: 1633480.0/29

Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

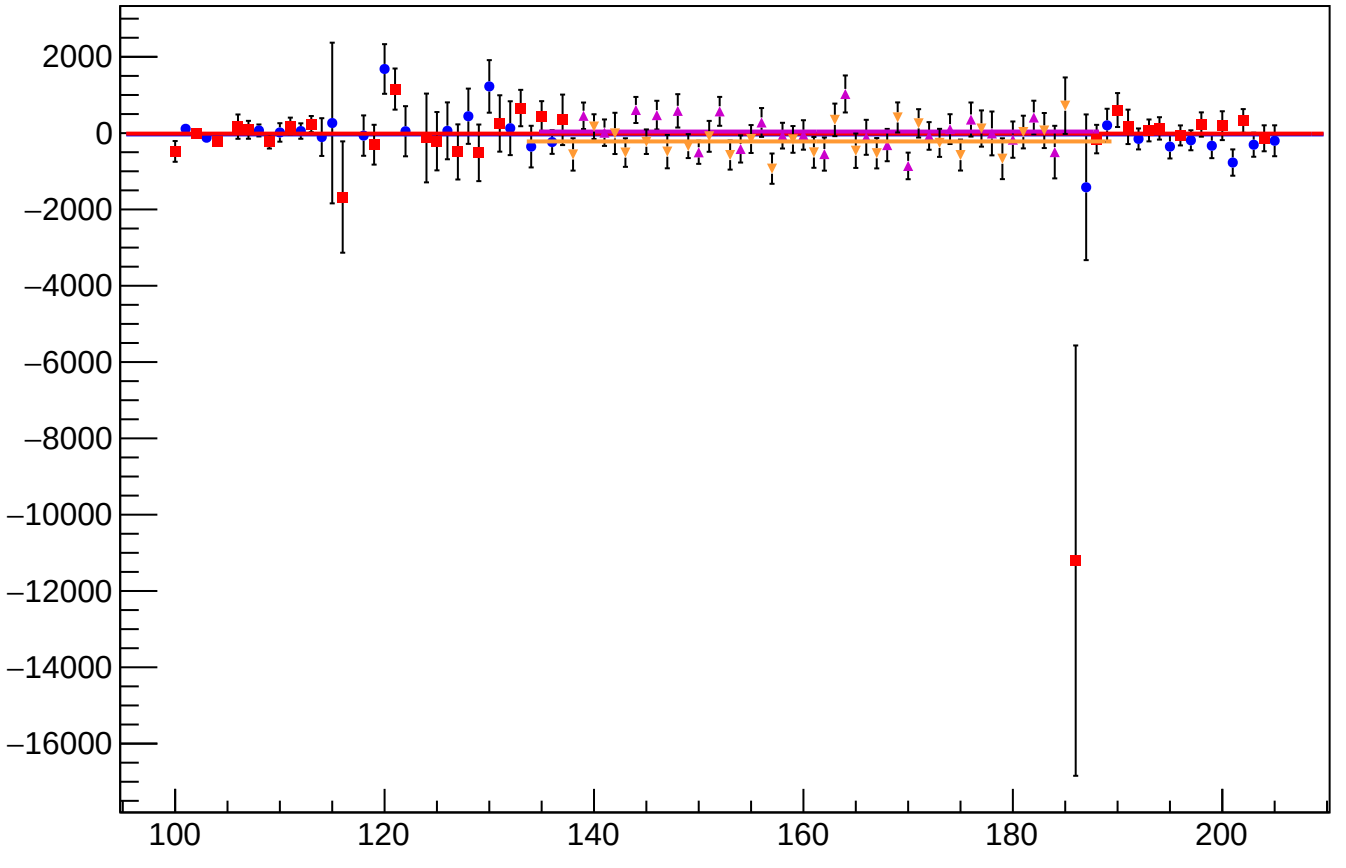
Left: 69.252+/-0.008 χ^2/NDF: 1999094.5/47

Right: 64.580+/-0.009 χ^2/NDF: 2316651.8/54

In: 67.353+/-0.009 χ^2/NDF:1674053.3/47

Out: 66.787+/-0.008 χ^2/NDF:2794816.9/54

All: 67.060+/-0.006 χ^2/NDF: 4471151.9/102



Right In: -33.617+/-48.450 χ^2/NDF: 24.4/24

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -12.876+/-47.431 χ^2/NDF: 30.5/29

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

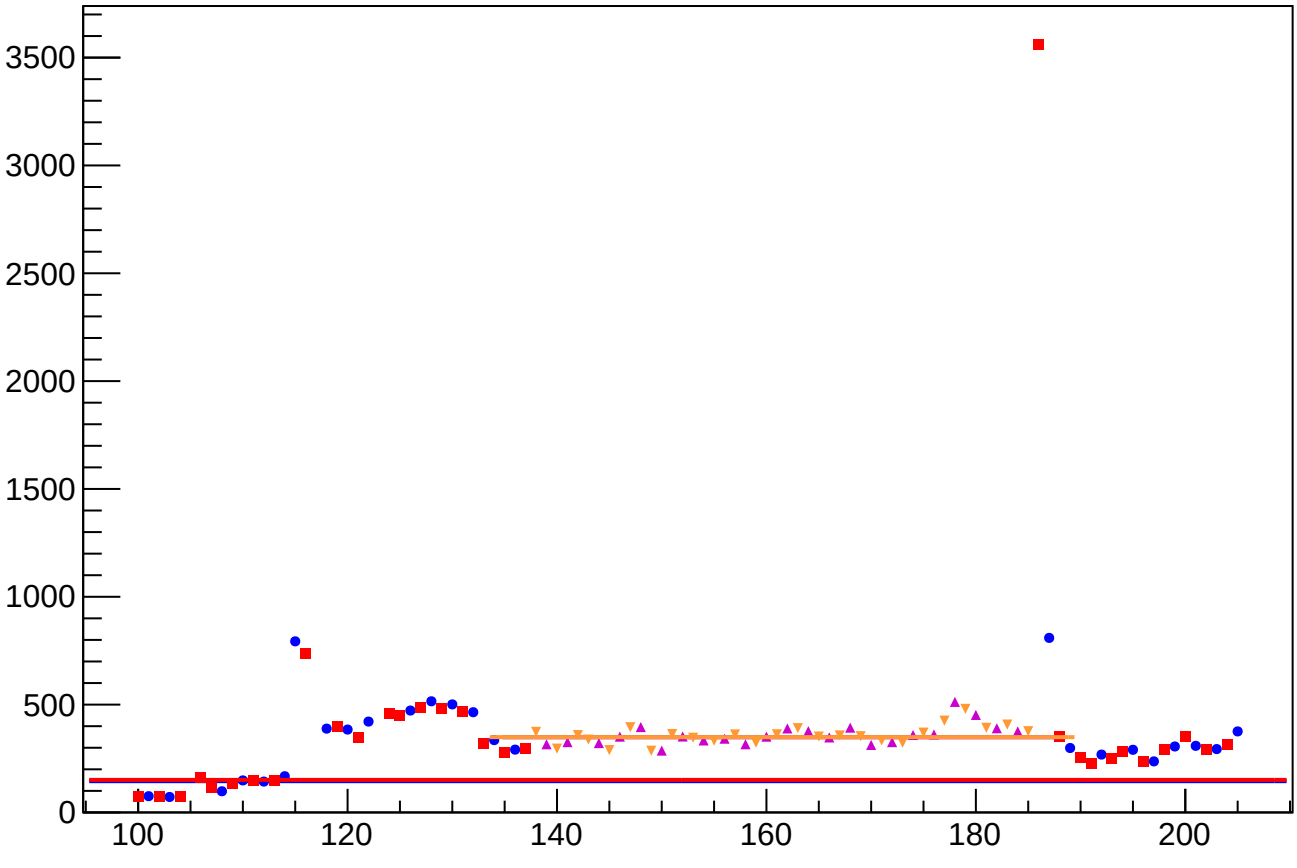
Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

Right: -23.026+/-33.893 χ^2/NDF: 54.9/54

In: -14.266+/-41.746 χ^2/NDF:55.0/47

Out: -65.927+/-40.817 χ^2/NDF:54.6/54

All: -40.678+/-29.185 χ^2/NDF: 110.4/102



Right In: 145.039+/-0.034 χ^2/NDF: 9943452.2/24

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 150.997+/-0.034 χ^2/NDF: 10145817.9/29

Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

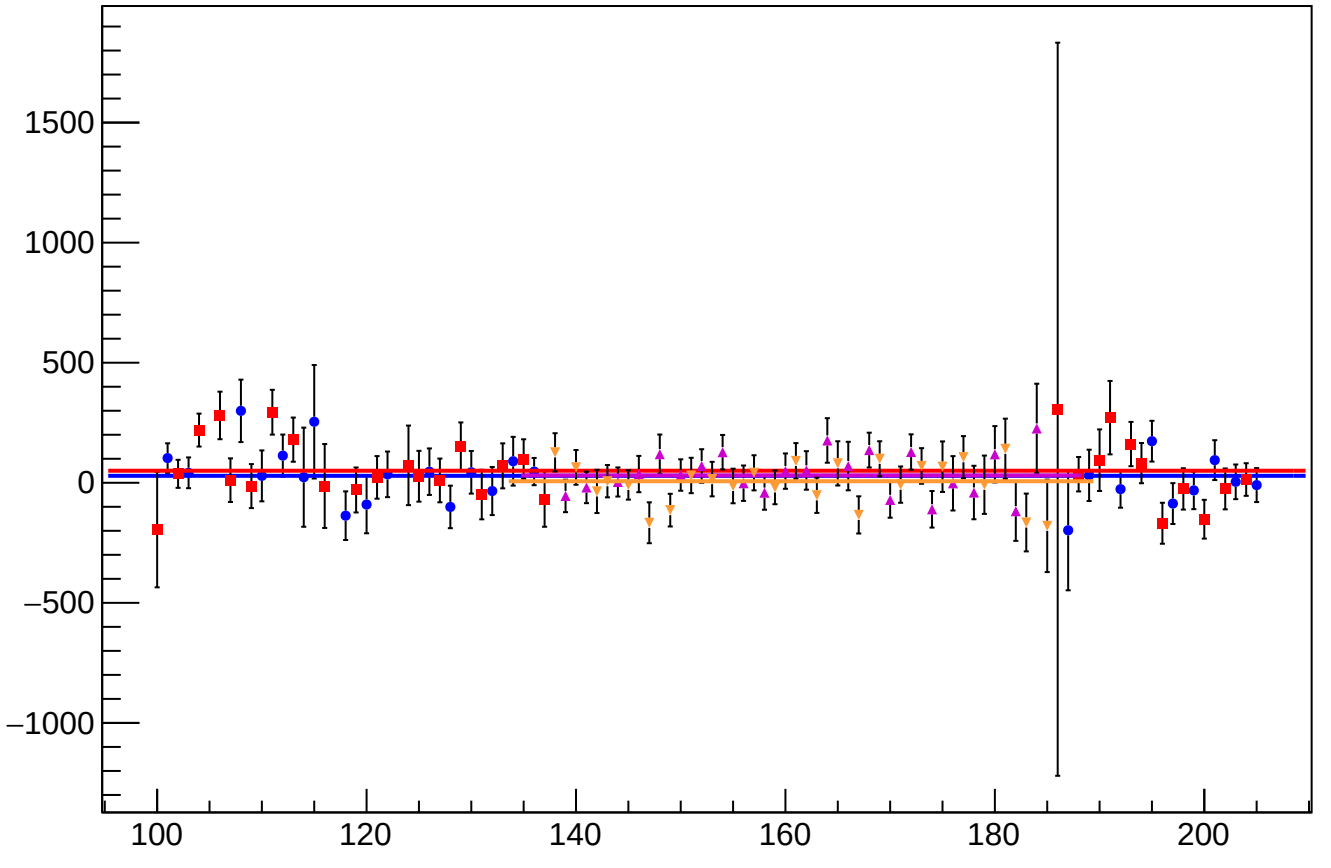
Left: 348.876+/-0.041 χ^2/NDF: 1049876.9/47

Right: 148.081+/-0.024 χ^2/NDF: 20104712.9/54

In: 197.460+/-0.030 χ^2/NDF:19559220.3/47

Out: 202.415+/-0.029 χ^2/NDF:19728818.4/54

All: 199.993+/-0.021 χ^2/NDF: 39302442.6/10



Right In: 29.039+/-17.620 χ^2/NDF: 22.1/24

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: 50.220+/-16.934 χ^2/NDF: 45.2/29

Left In: 30.662+/-16.503 χ^2/NDF:22.5/22

Left: 18.174+/-11.479 χ^2/NDF: 48.6/47

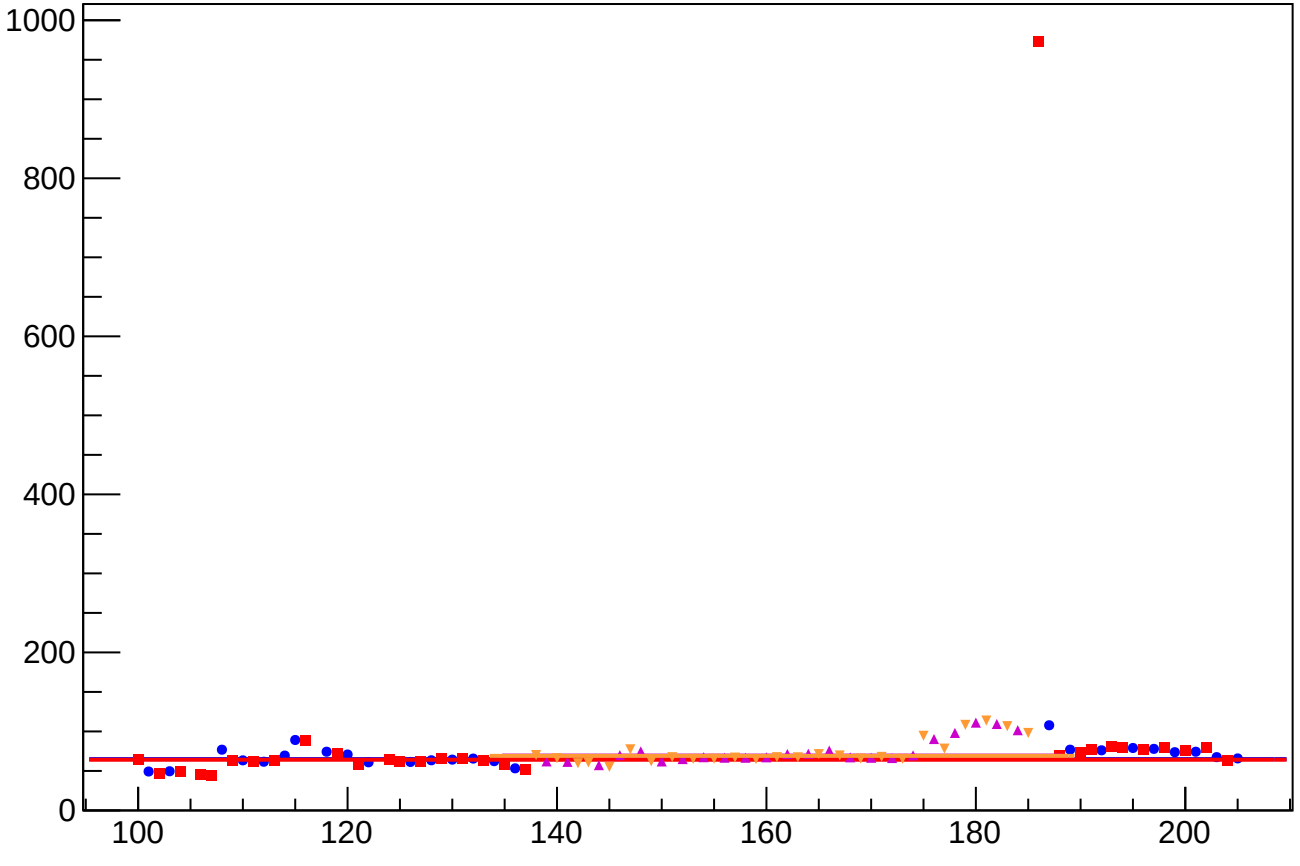
Right: 40.050+/-12.209 χ^2/NDF: 68.0/54

In: 29.904+/-12.045 χ^2/NDF:44.5/47

Out: 27.074+/-11.621 χ^2/NDF:73.8/54

All: 28.438+/-8.363 χ^2/NDF: 118.4/102

eigen_dit_asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 64.977+/-0.012 χ^2/NDF: 681217.1/24

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.213+/-0.012 χ^2/NDF: 1633480.1/29

Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

Left: 69.252+/-0.008 χ^2/NDF: 1999060.7/47

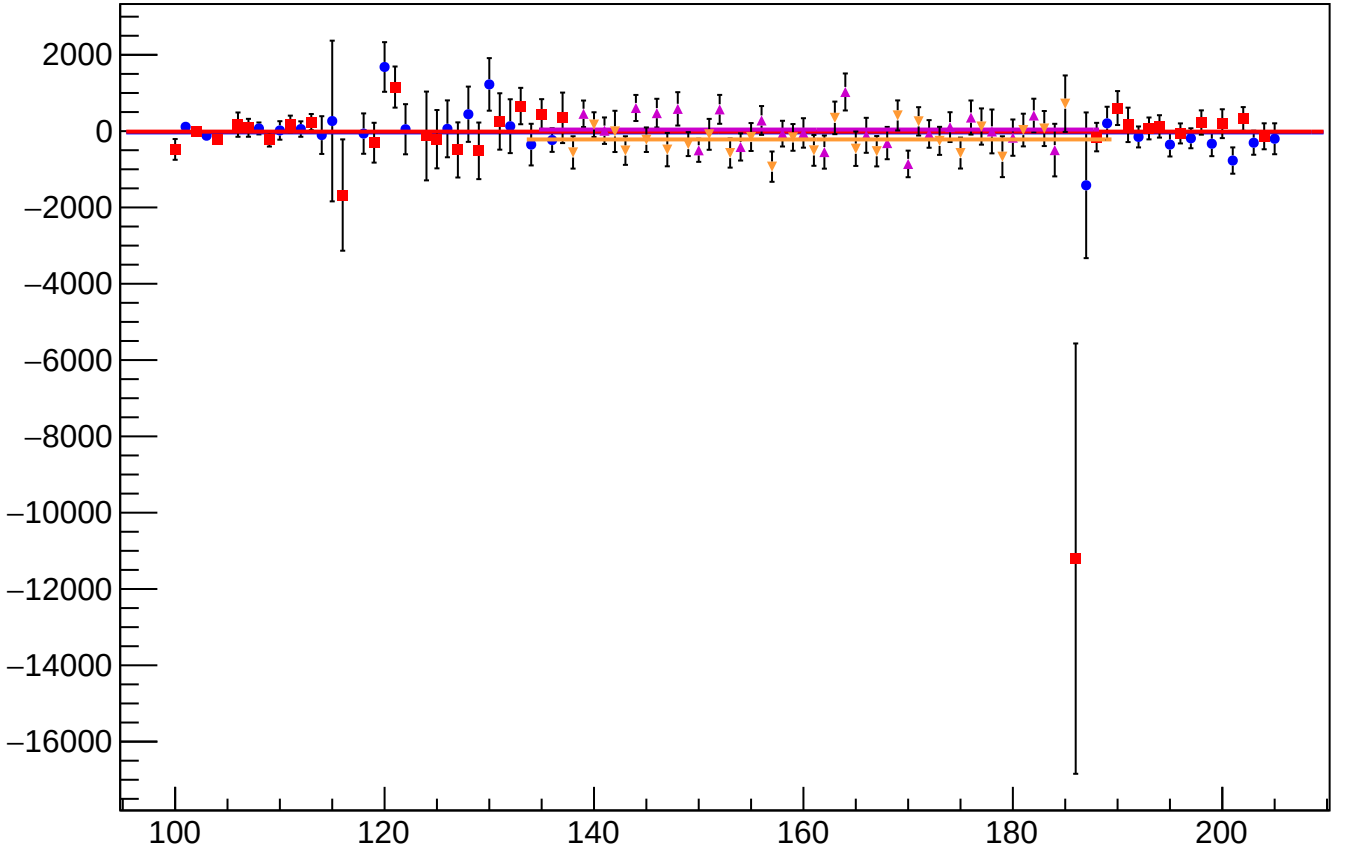
Right: 64.580+/-0.009 χ^2/NDF: 2316652.0/54

In: 67.353+/-0.009 χ^2/NDF:1674044.6/47

Out: 66.787+/-0.008 χ^2/NDF:2794804.4/54

All: 67.060+/-0.006 χ^2/NDF: 4471130.9/102

asym_sam_15_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -33.617+/-48.449 χ^2/NDF: 24.4/24

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

Right Out: -12.876+/-47.431 χ^2/NDF: 30.5/29

Left In: 41.512+/-82.256 χ^2/NDF:30.0/22

Left: -91.302+/-57.399 χ^2/NDF: 54.4/47

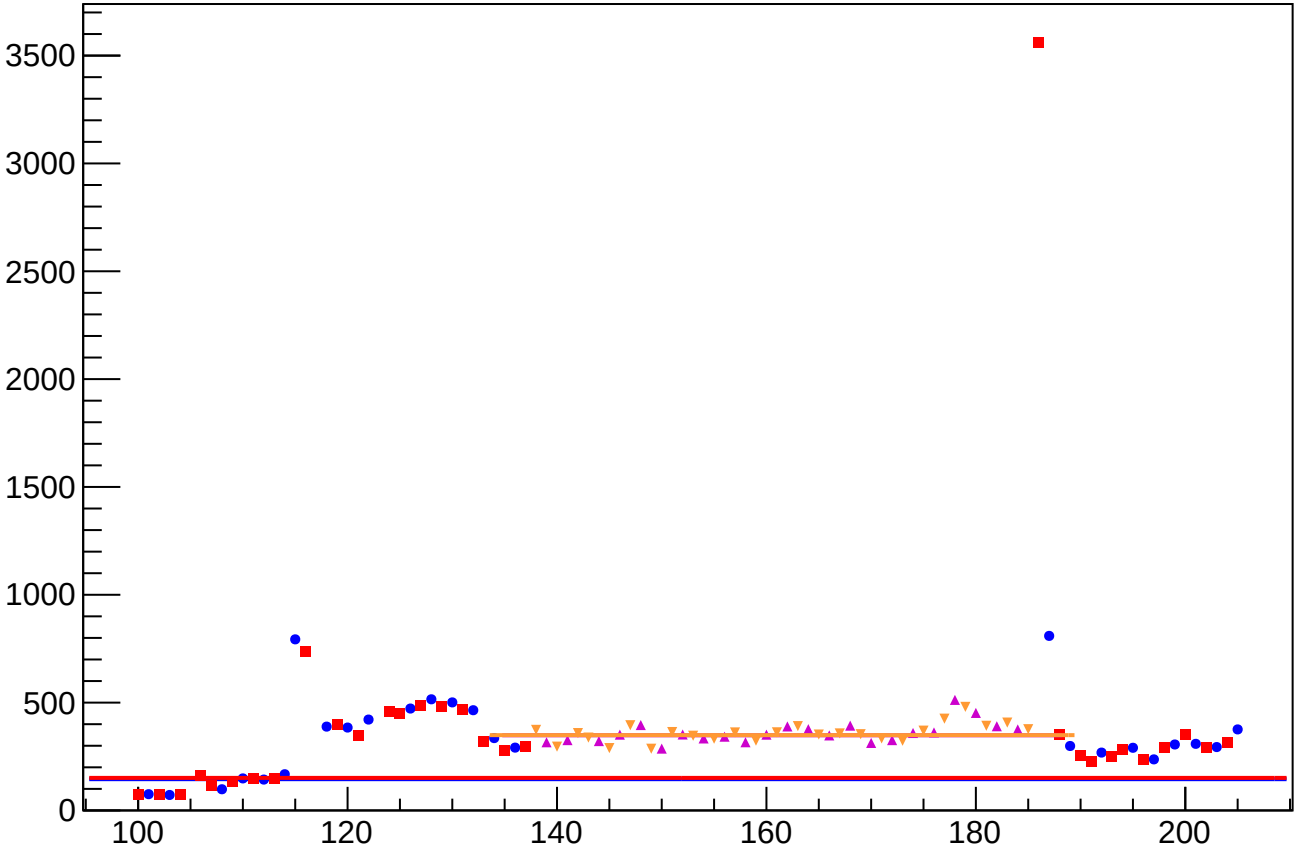
Right: -23.026+/-33.893 χ^2/NDF: 54.9/54

In: -14.266+/-41.746 χ^2/NDF:55.0/47

Out: -65.926+/-40.817 χ^2/NDF:54.6/54

All: -40.678+/-29.185 χ^2/NDF: 110.4/102

asym_sam_15_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 145.039+/-0.034 χ^2/NDF: 9943467.4/24

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 150.997+/-0.034 χ^2/NDF: 10145863.7/29

Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

Left: 348.877+/-0.041 χ^2/NDF: 1049861.4/47

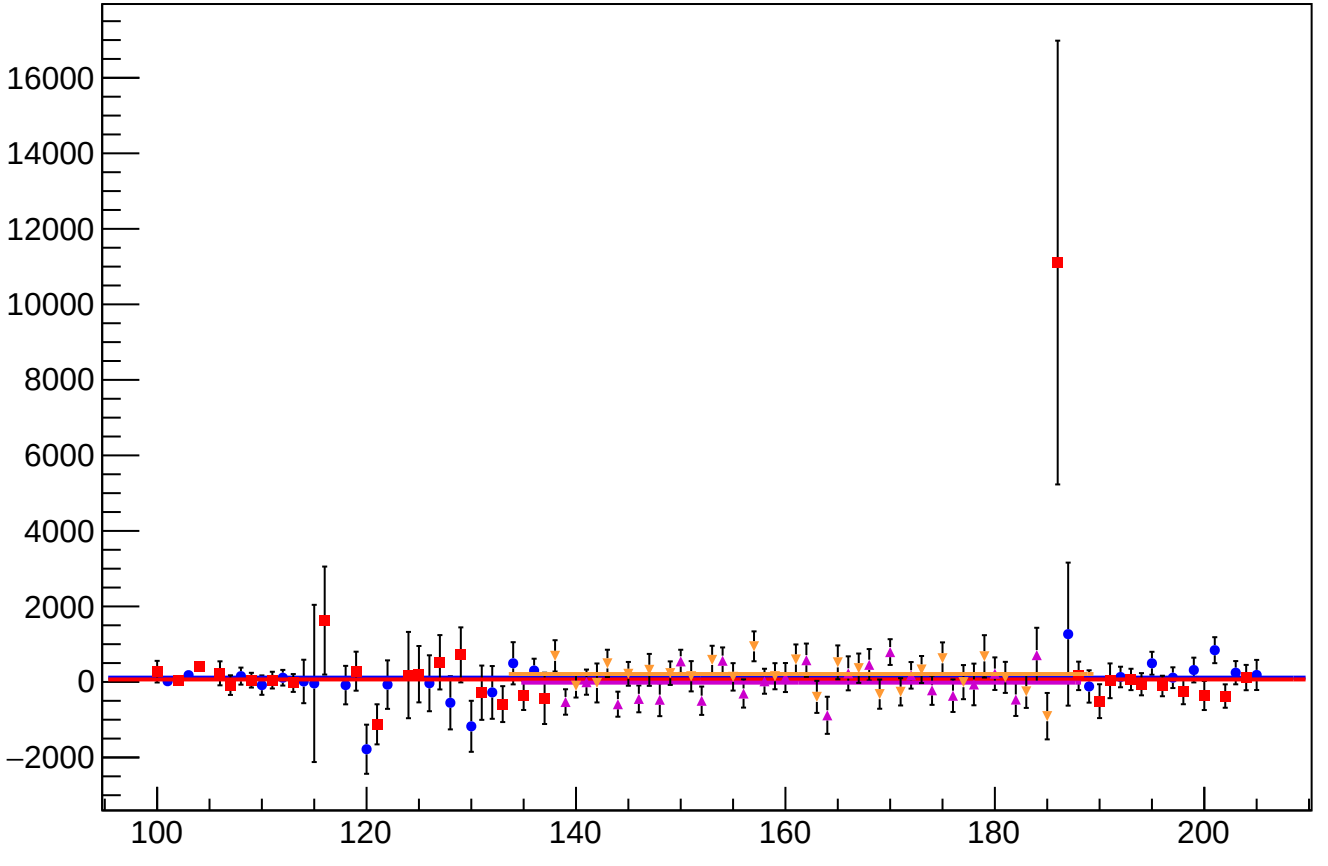
Right: 148.081+/-0.024 χ^2/NDF: 20104773.3/54

In: 197.460+/-0.030 χ^2/NDF:19559293.8/47

Out: 202.415+/-0.029 χ^2/NDF:19728933.1/54

All: 199.993+/-0.021 χ^2/NDF: 39302630.3/10

asym_sam_15_avg_mean vs Slug, Sign Corrected



Right In: 113.928+/-52.450 χ^2/NDF: 23.7/24

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 66.282+/-50.797 χ^2/NDF: 32.1/29

Left In: -18.738+/-80.699 χ^2/NDF:32.0/22

Left: 98.681+/-56.273 χ^2/NDF: 57.6/47

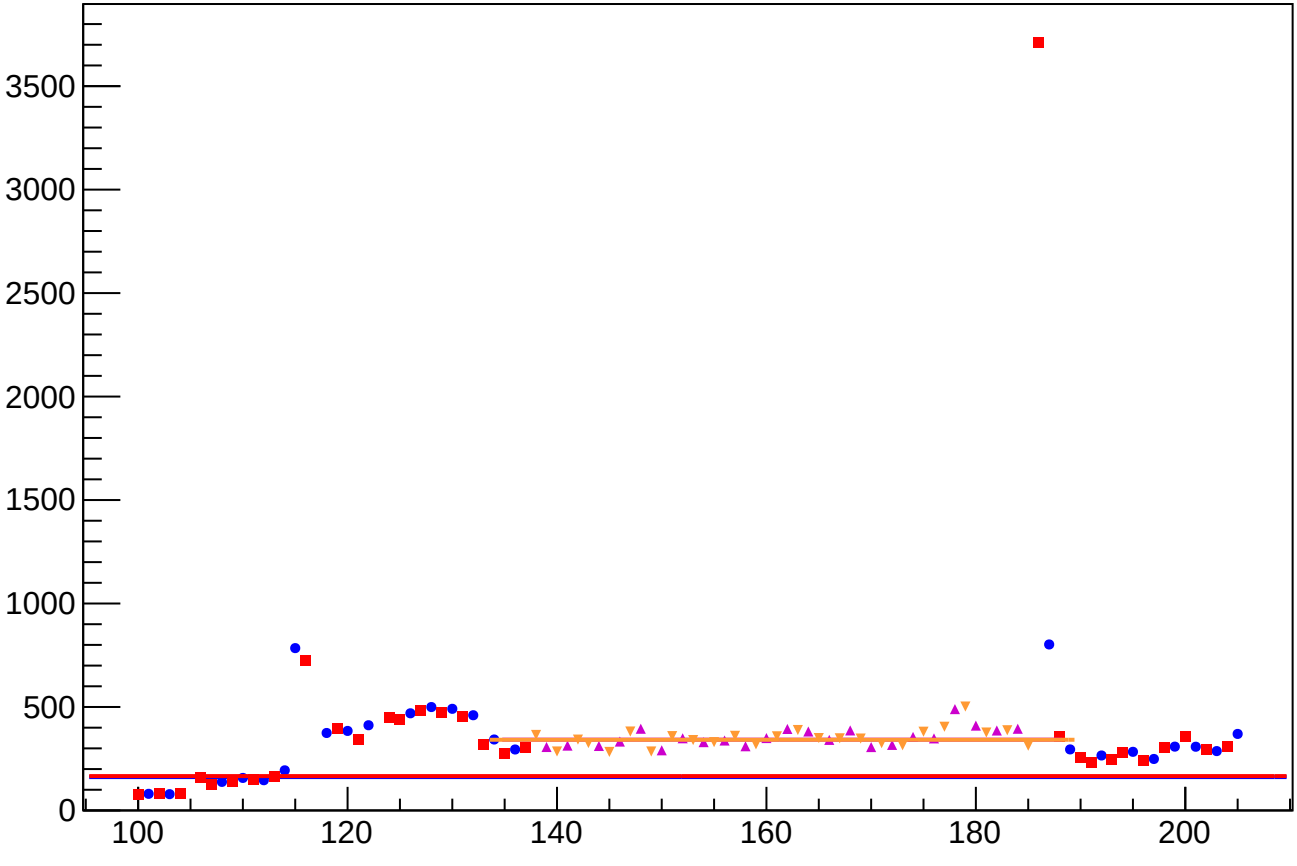
Right: 89.343+/-36.489 χ^2/NDF: 56.2/54

In: 74.529+/-43.978 χ^2/NDF:57.6/47

Out: 108.638+/-42.649 χ^2/NDF:55.8/54

All: 92.107+/-30.616 χ^2/NDF: 113.8/102

asym_sam_15_avg_rms vs Slug, Sign Corrected



Right In: 161.294+/-0.037 χ^2/NDF: 8813720.8/24

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

Right Out: 166.049+/-0.036 χ^2/NDF: 8969199.6/29

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

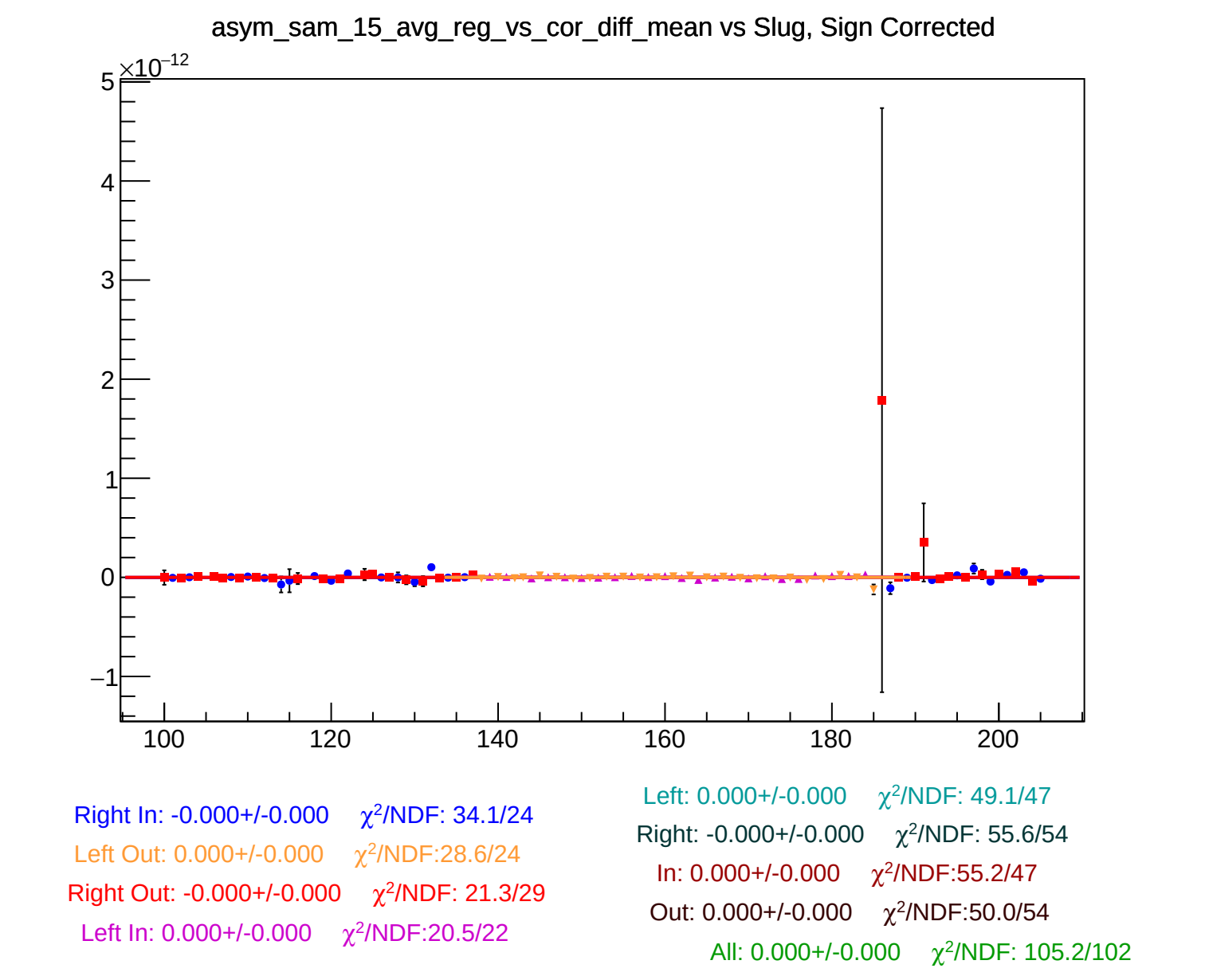
Left: 341.759+/-0.040 χ^2/NDF: 1039817.1/47

Right: 163.748+/-0.026 χ^2/NDF: 17791400.9/54

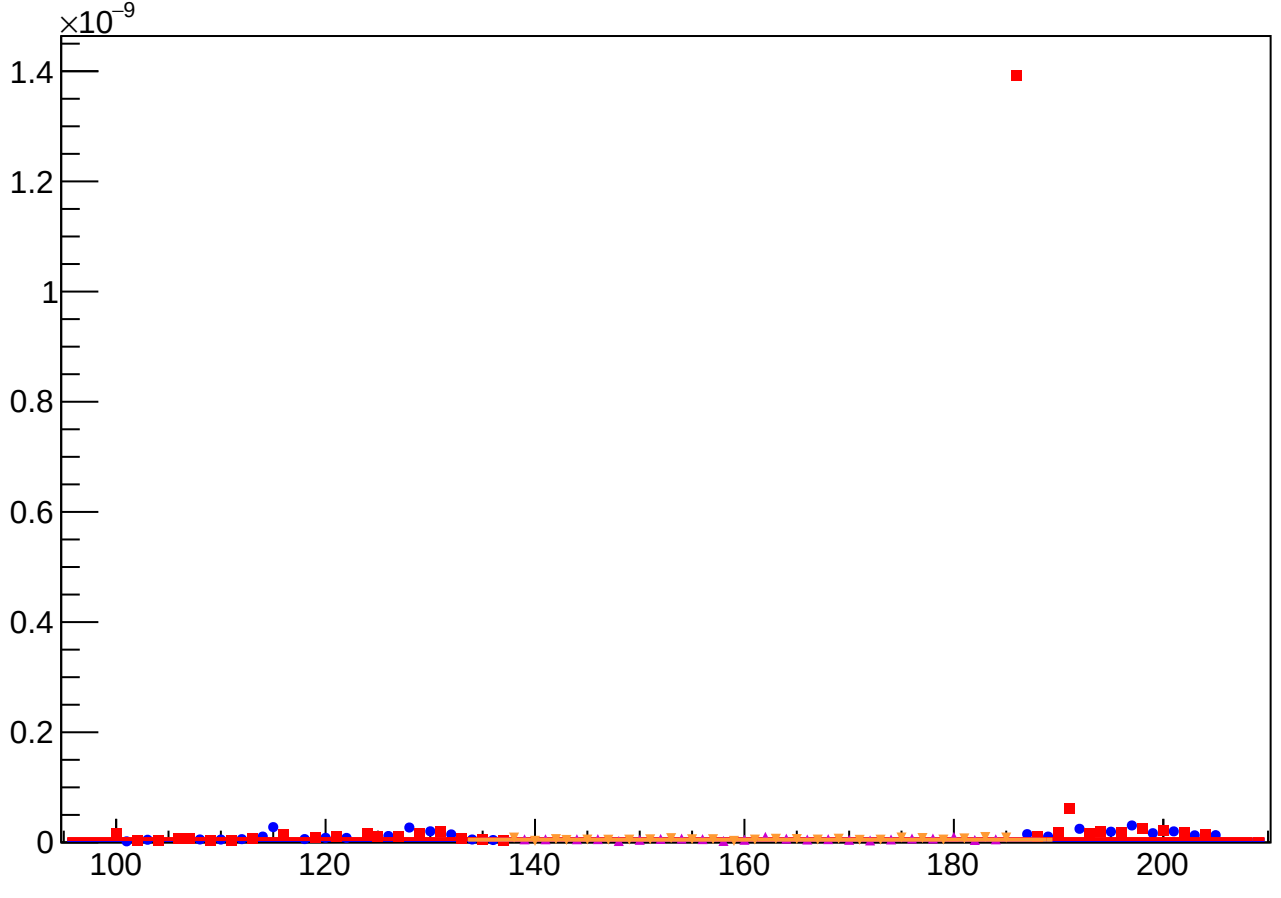
In: 214.943+/-0.031 χ^2/NDF:16345006.0/47

Out: 217.847+/-0.030 χ^2/NDF:16570966.4/54

All: 216.439+/-0.022 χ^2/NDF: 32920465.3/10


asym_sam_15_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.1/24
Left Out: 0.000+/-0.000 χ²/NDF:28.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 21.3/29
Left In: 0.000+/-0.000 χ²/NDF:20.5/22
Left: 0.000+/-0.000 χ²/NDF: 49.1/47
Right: -0.000+/-0.000 χ²/NDF: 55.6/54
In: 0.000+/-0.000 χ²/NDF:55.2/47
Out: 0.000+/-0.000 χ²/NDF:50.0/54
All: 0.000+/-0.000 χ²/NDF: 105.2/102

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5615120.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4670513.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

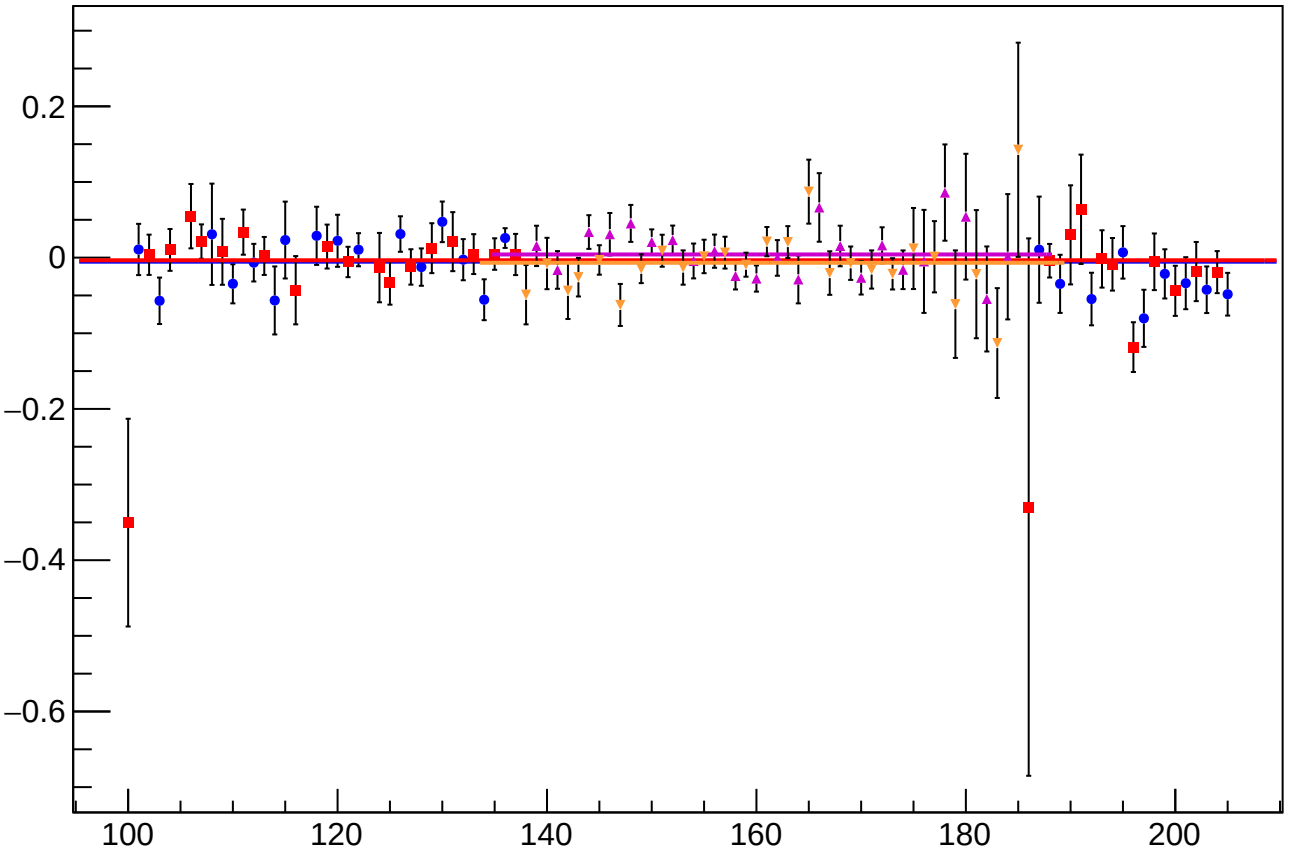
Left: 0.000+/-0.000 χ^2/NDF: 2519997.3/47

Right: 0.000+/-0.000 χ^2/NDF: 10672080.1/54

In: 0.000+/-0.000 χ^2/NDF:6891875.8/47

Out: 0.000+/-0.000 χ^2/NDF:6163589.9/54

All: 0.000+/-0.000 χ^2/NDF: 13198553.0/102



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

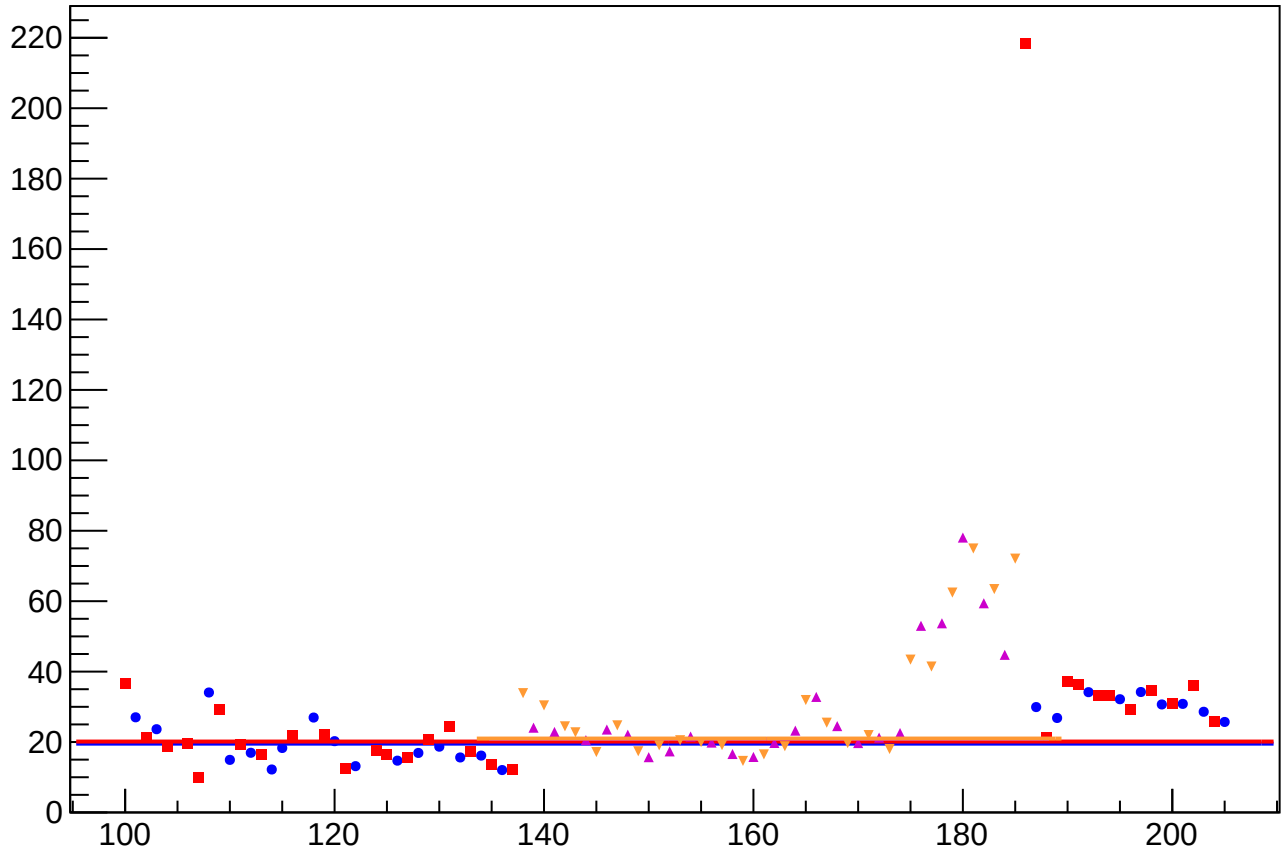
Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

Right: -0.004+/-0.004 χ^2/NDF: 66.1/54

In: -0.000+/-0.004 χ^2/NDF:59.9/47

Out: -0.005+/-0.004 χ^2/NDF:52.8/54

All: -0.003+/-0.003 χ^2/NDF: 113.6/102



Right In: 19.545+/-0.004 χ^2/NDF: 3210927.3/24

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837043.7/29

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

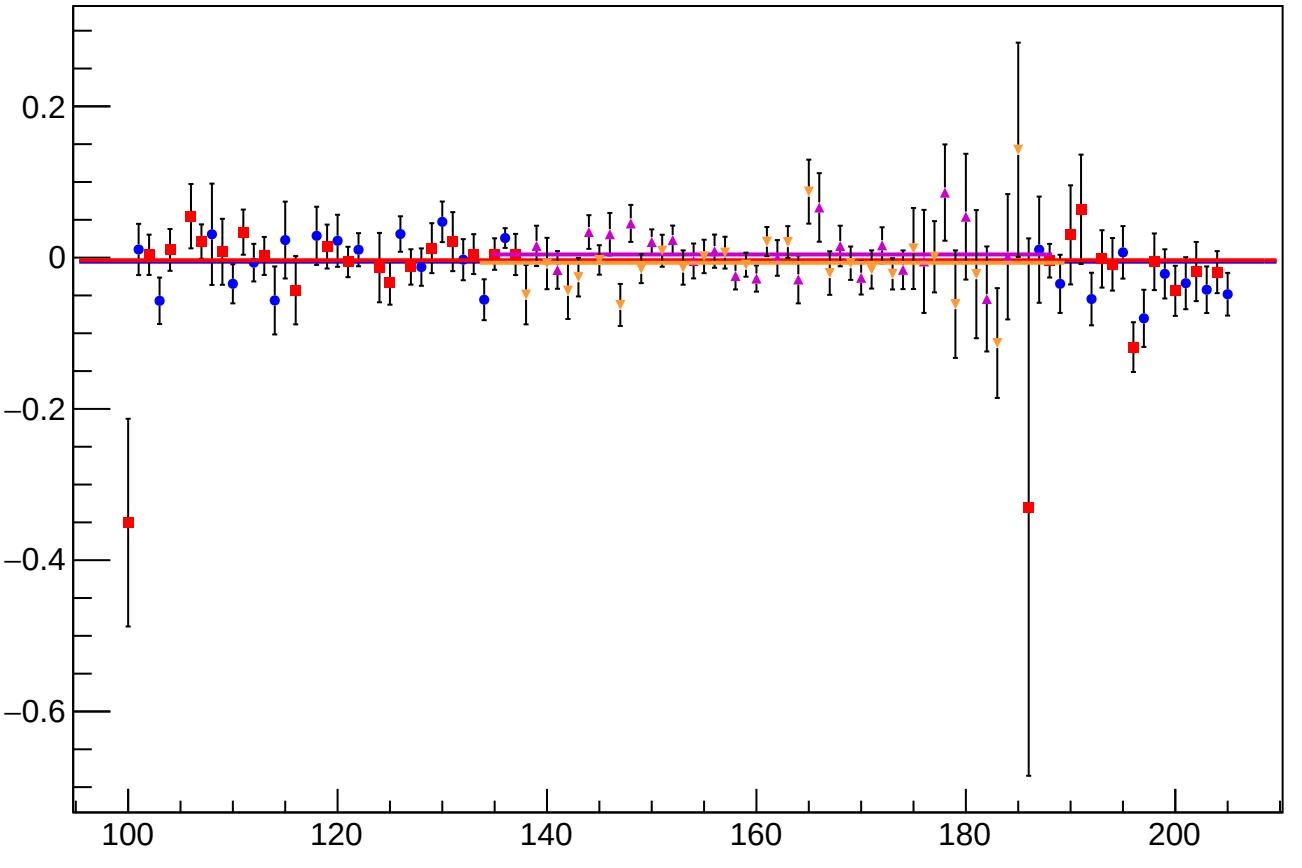
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.844+/-0.003 χ^2/NDF: 7058728.9/54

In: 20.258+/-0.003 χ^2/NDF:6803382.9/47

Out: 20.593+/-0.003 χ^2/NDF:8328253.2/54

All: 20.428+/-0.002 χ^2/NDF: 15139185.4/102



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

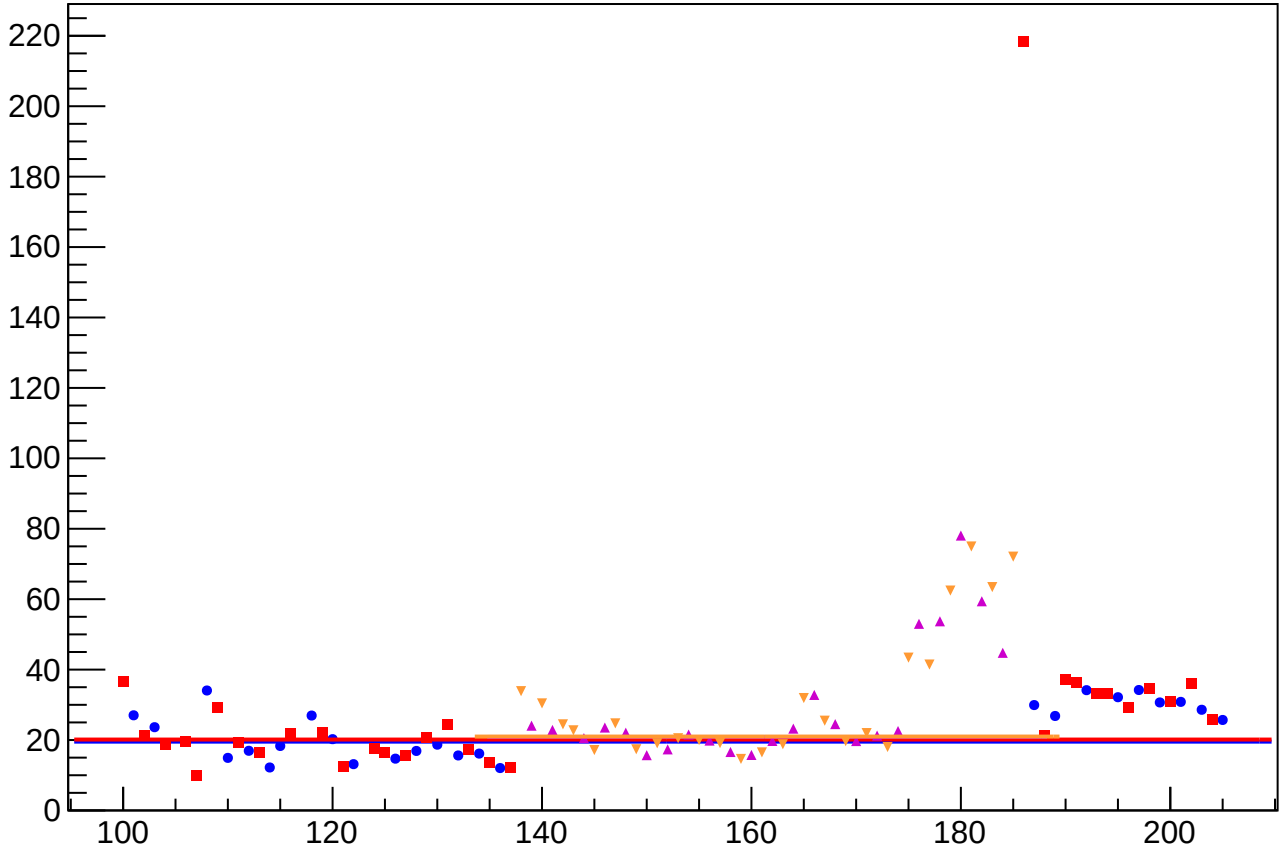
Right: -0.004+/-0.004 χ^2/NDF: 66.1/54

In: -0.000+/-0.004 χ^2/NDF:59.9/47

Out: -0.005+/-0.004 χ^2/NDF:52.8/54

All: -0.003+/-0.003 χ^2/NDF: 113.6/102

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.545+/-0.004 χ^2/NDF: 3210927.3/24

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837043.7/29

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

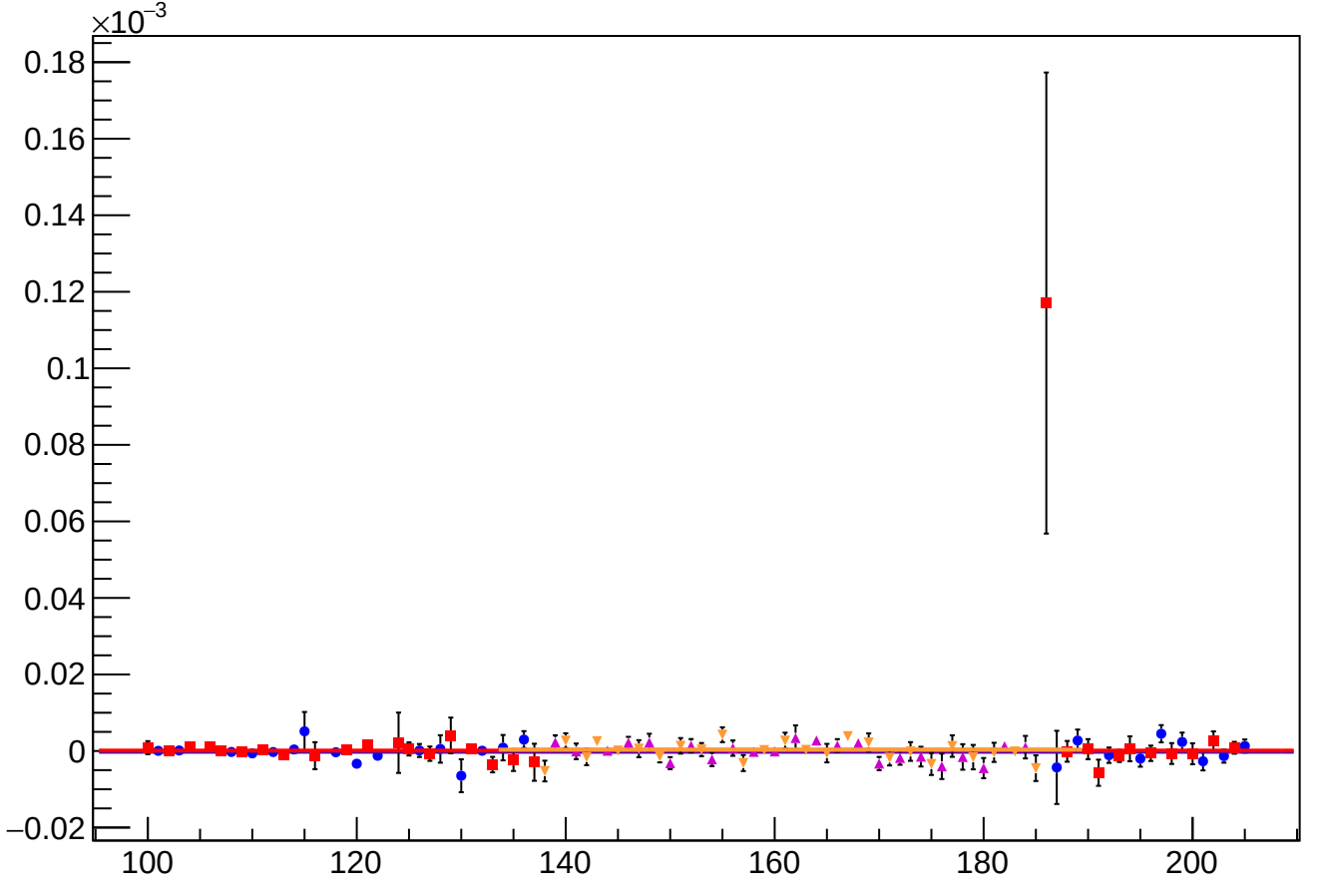
Left: 20.925+/-0.003 χ^2/NDF: 8002354.8/47

Right: 19.844+/-0.003 χ^2/NDF: 7058728.9/54

In: 20.258+/-0.003 χ^2/NDF:6803382.9/47

Out: 20.593+/-0.003 χ^2/NDF:8328253.2/54

All: 20.428+/-0.002 χ^2/NDF: 15139185.4/102



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/29

Left In: 0.000+/-0.000 χ^2/NDF:31.6/22

Left: 0.000+/-0.000 χ^2/NDF: 65.9/47

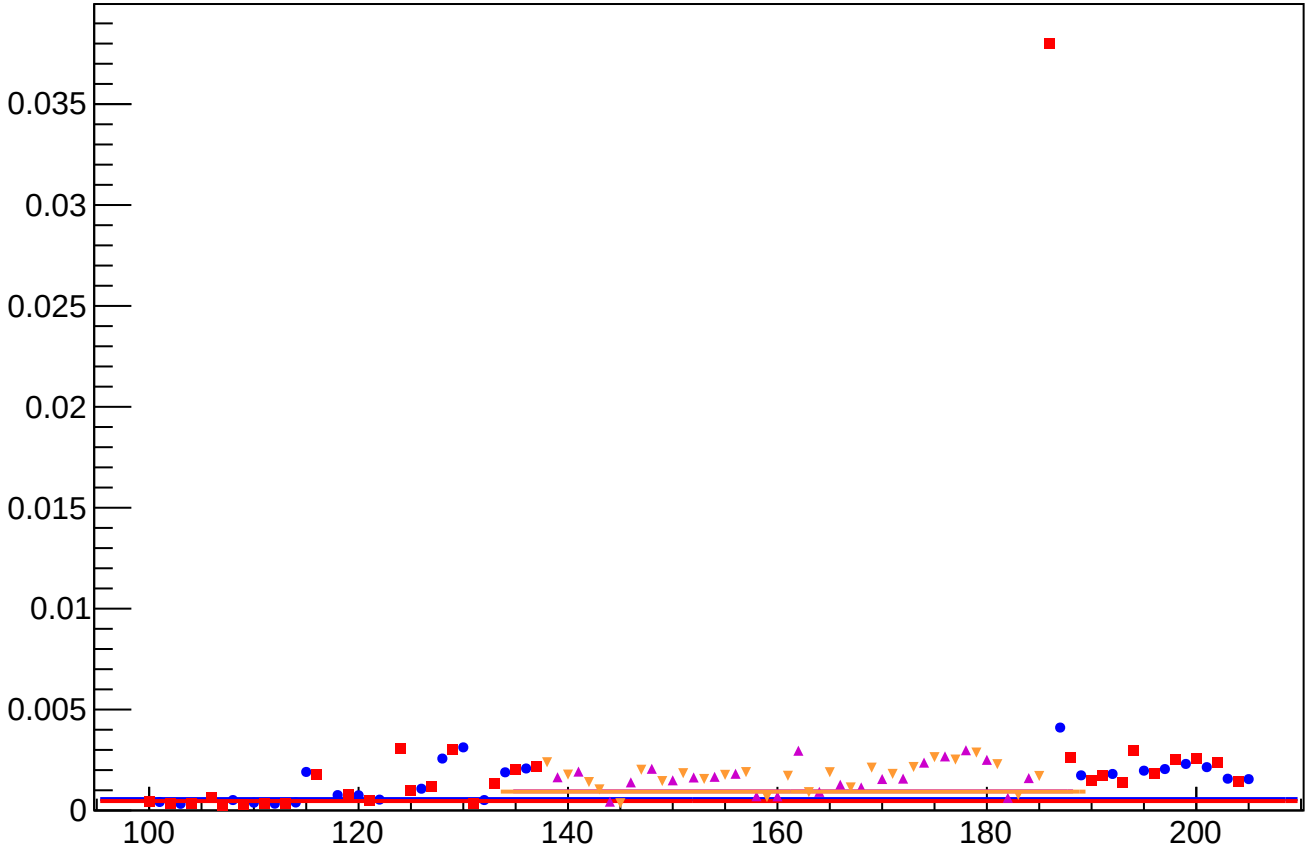
Right: -0.000+/-0.000 χ^2/NDF: 54.7/54

In: -0.000+/-0.000 χ^2/NDF:57.8/47

Out: 0.000+/-0.000 χ^2/NDF:64.1/54

All: 0.000+/-0.000 χ^2/NDF: 122.7/102

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 10853311.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14044336.0/29

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

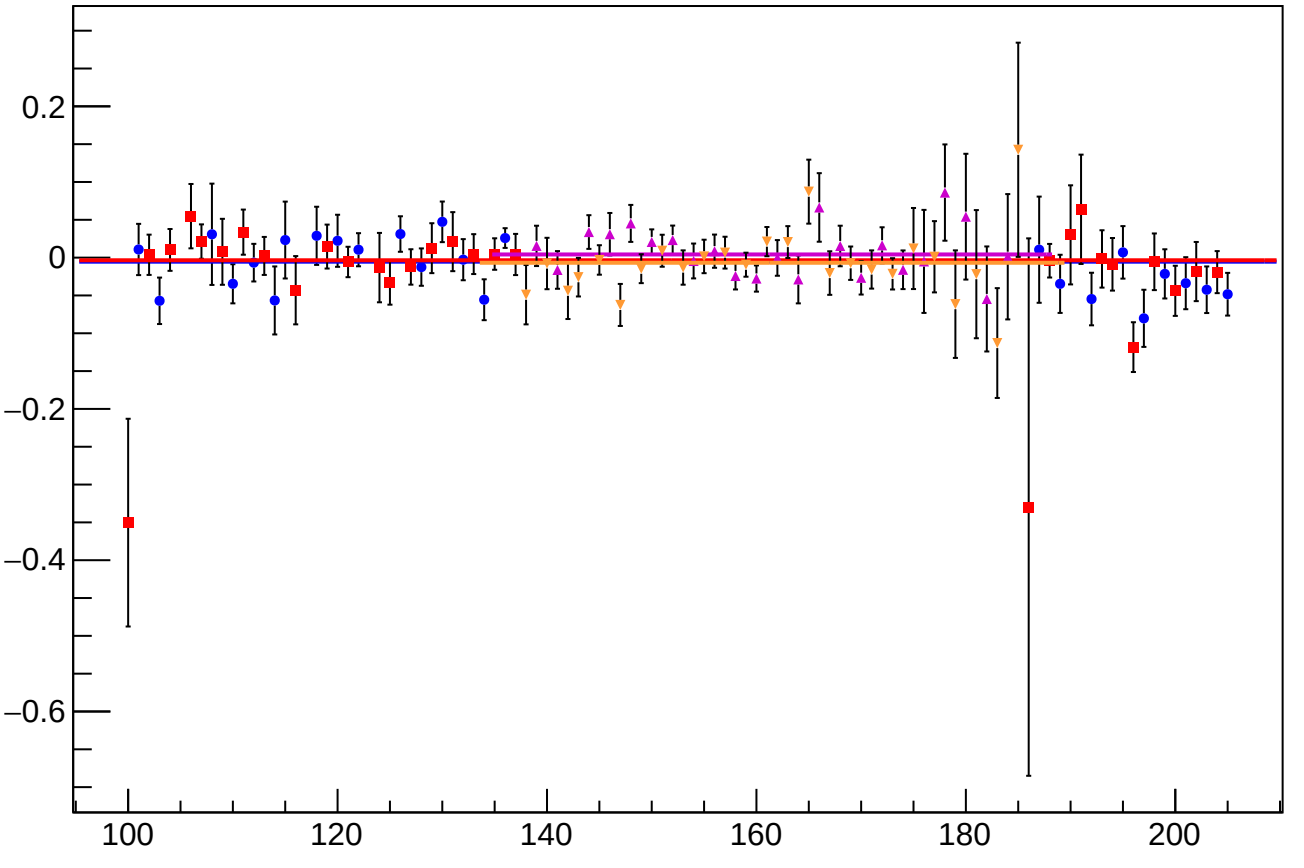
Left: 0.001+/-0.000 χ^2/NDF: 21470091.7/47

Right: 0.001+/-0.000 χ^2/NDF: 25179441.6/54

In: 0.001+/-0.000 χ^2/NDF:23032354.2/47

Out: 0.001+/-0.000 χ^2/NDF:30574163.5/54

All: 0.001+/-0.000 χ^2/NDF: 54067812.5/102



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

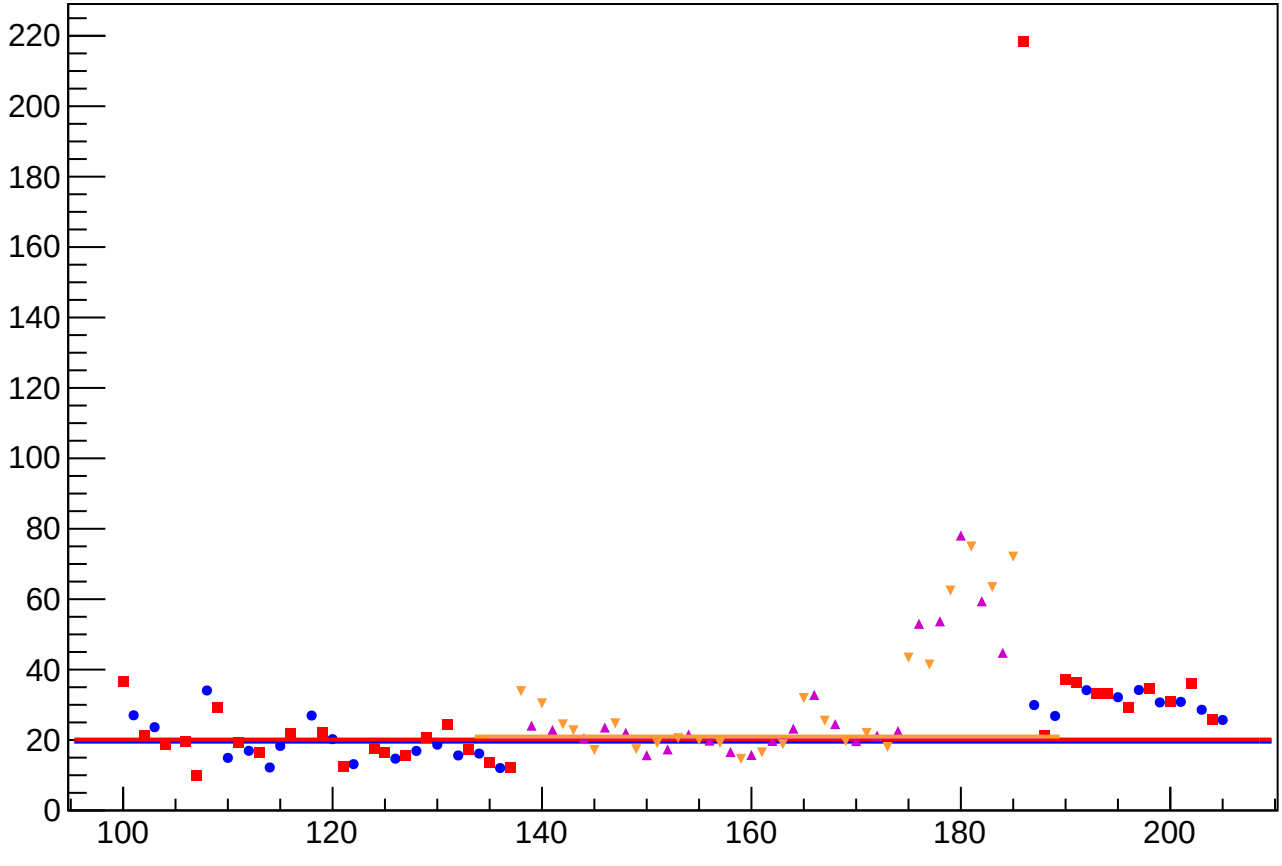
Right: -0.004+/-0.004 χ^2/NDF: 66.1/54

In: -0.000+/-0.004 χ^2/NDF:59.9/47

Out: -0.005+/-0.004 χ^2/NDF:52.8/54

All: -0.003+/-0.003 χ^2/NDF: 113.6/102

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.545+/-0.004 χ^2/NDF: 3210943.9/24

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837080.0/29

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

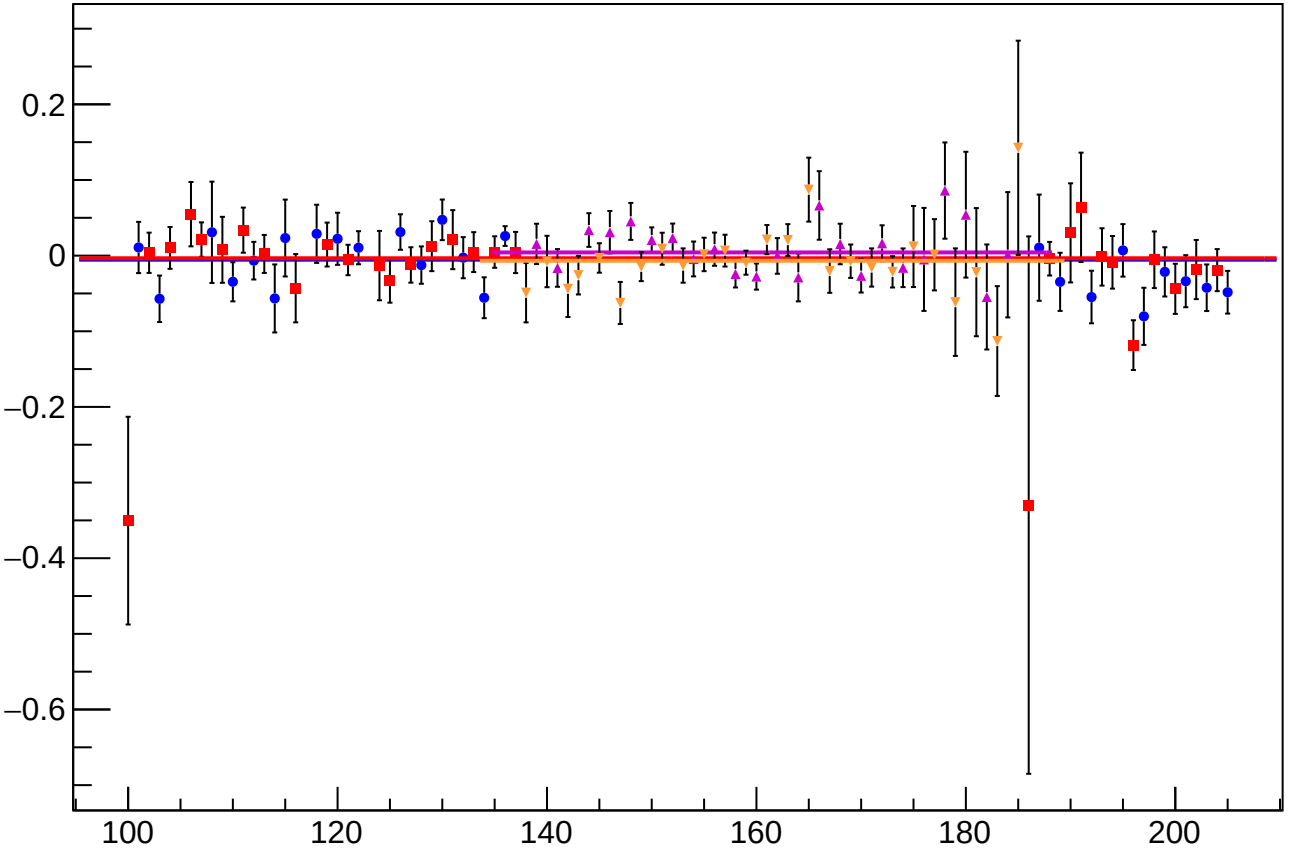
Right: 19.844+/-0.003 χ^2/NDF: 7058779.9/54

In: 20.258+/-0.003 χ^2/NDF:6803468.4/47

Out: 20.593+/-0.003 χ^2/NDF:8328284.7/54

All: 20.428+/-0.002 χ^2/NDF: 15139303.2/102

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.003+/-0.006 χ^2/NDF: 30.9/29

Left In: 0.004+/-0.005 χ^2/NDF:23.2/22

Left: -0.001+/-0.004 χ^2/NDF: 47.1/47

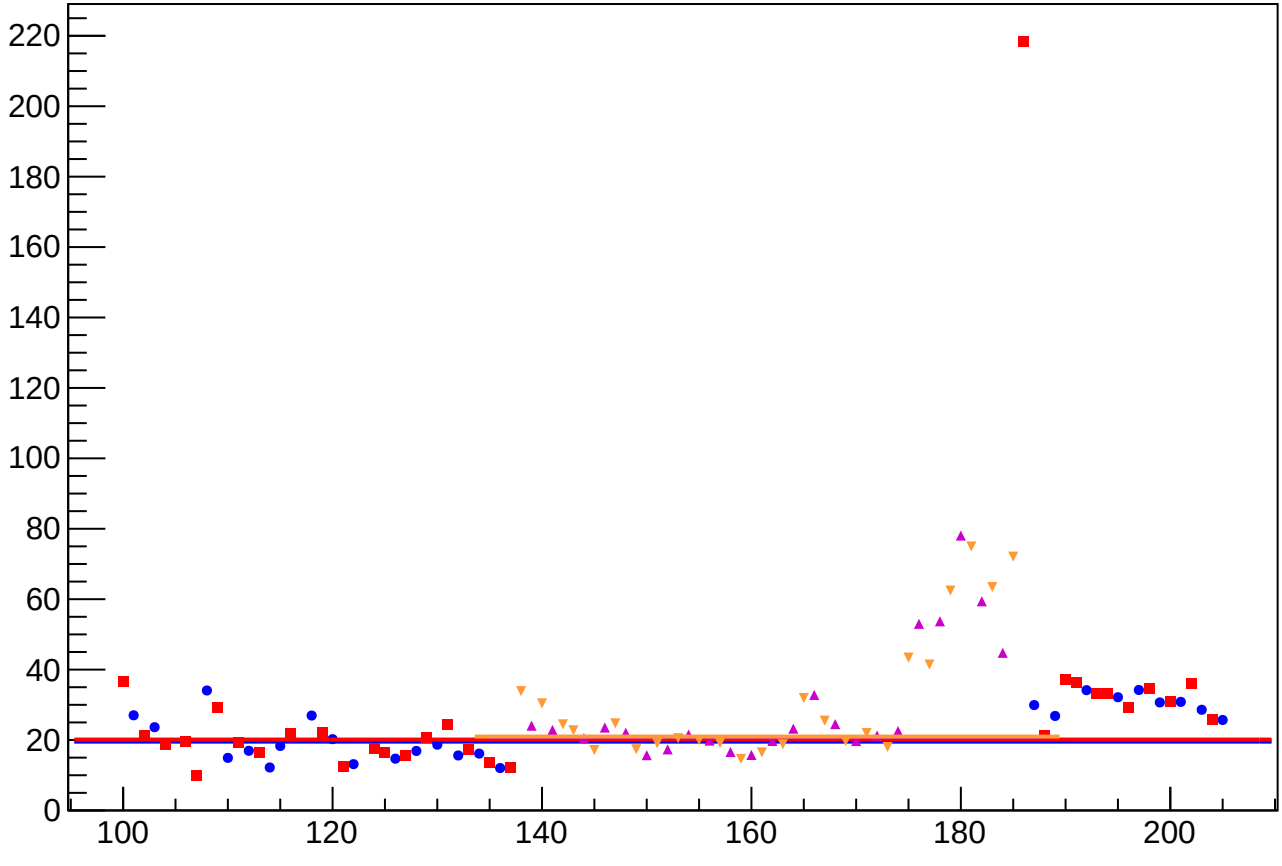
Right: -0.004+/-0.004 χ^2/NDF: 66.1/54

In: -0.000+/-0.004 χ^2/NDF:59.9/47

Out: -0.005+/-0.004 χ^2/NDF:52.8/54

All: -0.003+/-0.003 χ^2/NDF: 113.6/102

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.545+/-0.004 χ^2/NDF: 3210943.9/24

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

Right Out: 20.135+/-0.004 χ^2/NDF: 3837080.0/29

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

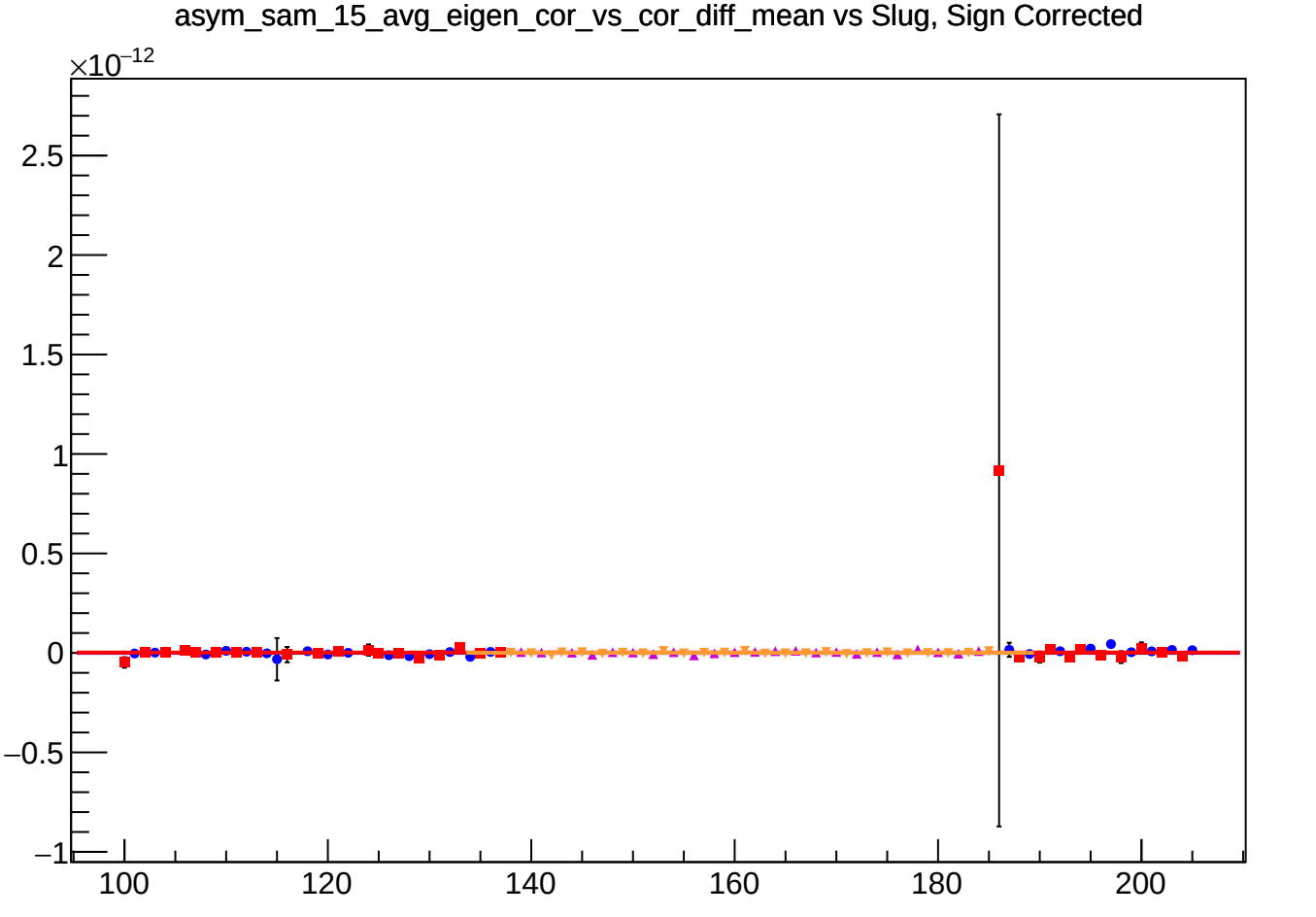
Left: 20.925+/-0.003 χ^2/NDF: 8002374.3/47

Right: 19.844+/-0.003 χ^2/NDF: 7058779.9/54

In: 20.258+/-0.003 χ^2/NDF:6803468.4/47

Out: 20.593+/-0.003 χ^2/NDF:8328284.7/54

All: 20.428+/-0.002 χ^2/NDF: 15139303.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: 0.000+/-0.000 χ^2/NDF:26.5/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

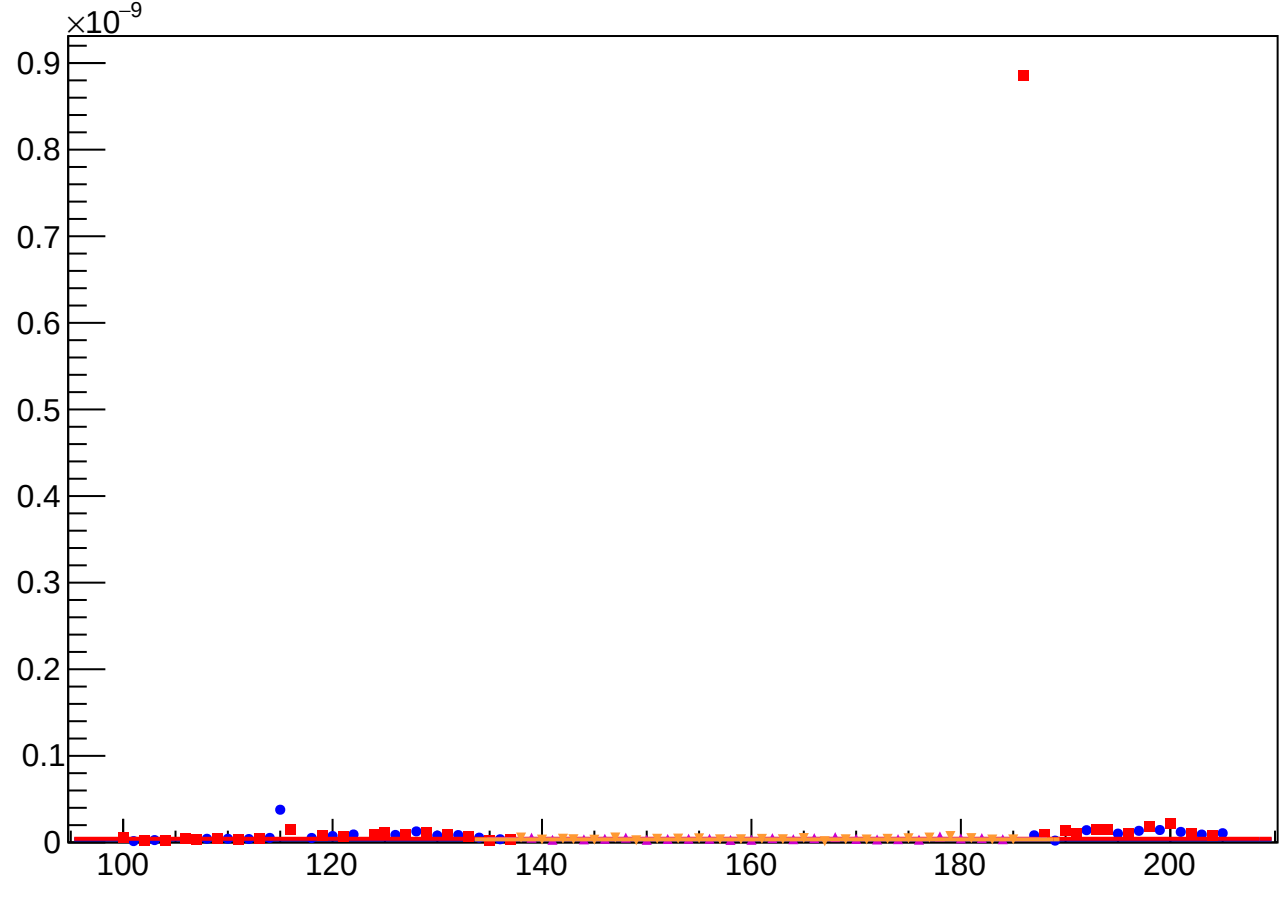
Right: 0.000+/-0.000 χ^2/NDF: 47.2/54

In: 0.000+/-0.000 χ^2/NDF:47.9/47

Out: 0.000+/-0.000 χ^2/NDF:40.4/54

All: 0.000+/-0.000 χ^2/NDF: 88.3/102

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6666261.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7156215.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3840820.1/47

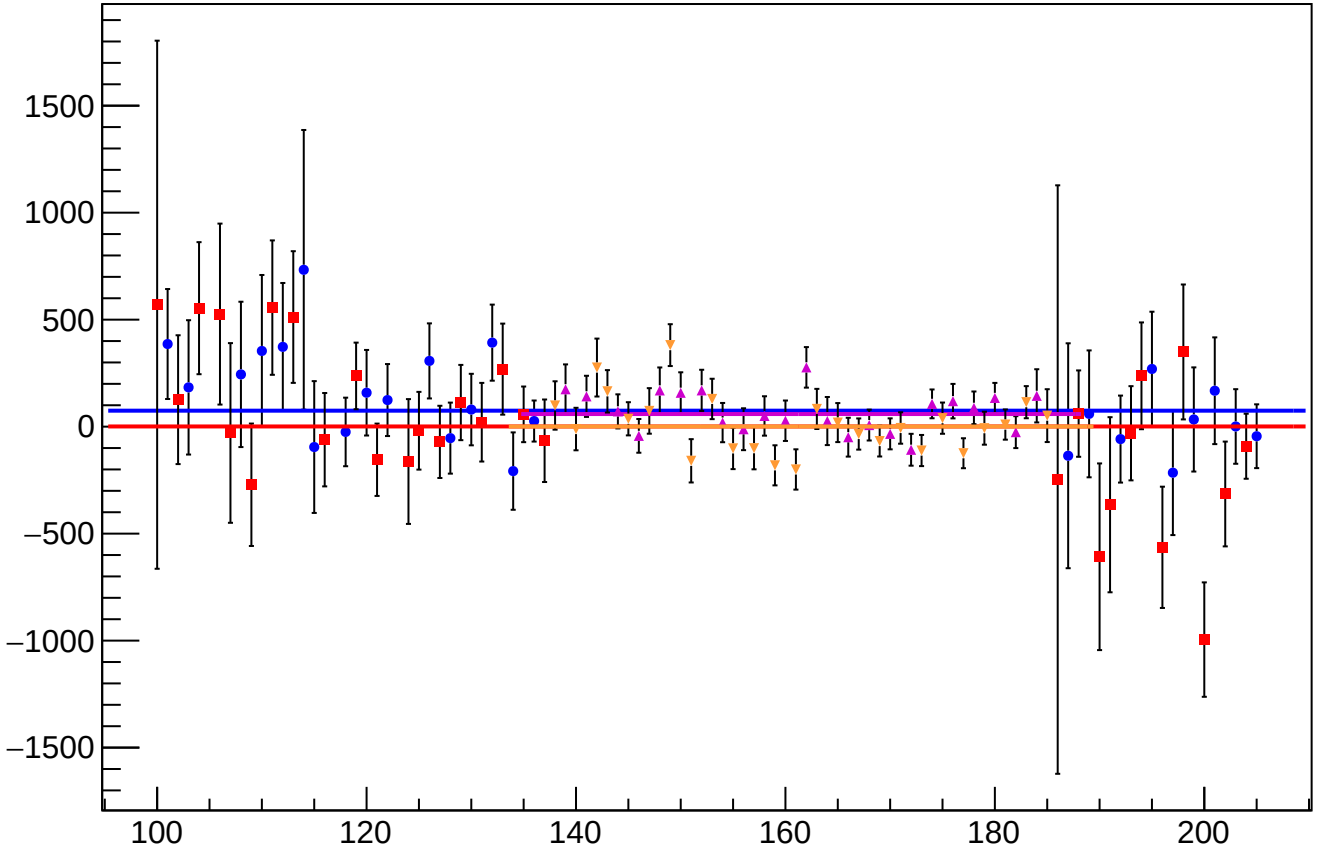
Right: 0.000+/-0.000 χ^2/NDF: 14011661.2/54

In: 0.000+/-0.000 χ^2/NDF:7938925.0/47

Out: 0.000+/-0.000 χ^2/NDF:9934633.9/54

All: 0.000+/-0.000 χ^2/NDF: 17876002.8/102

reg_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 74.617+/-40.272 χ^2/NDF: 16.8/24

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 0.880+/-41.506 χ^2/NDF: 42.9/29

Left In: 58.907+/-17.879 χ^2/NDF:25.8/22

Left: 28.825+/-12.440 χ^2/NDF: 79.9/47

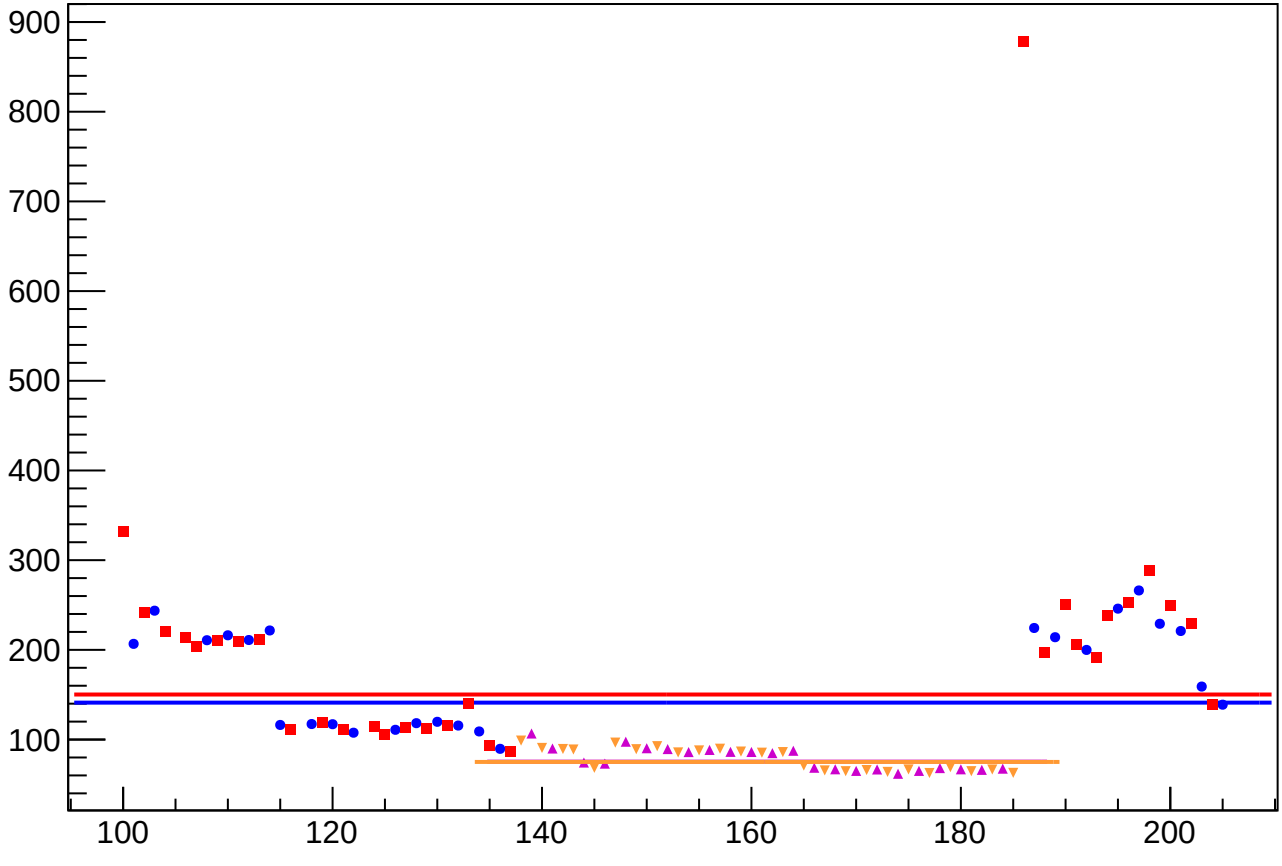
Right: 38.861+/-28.903 χ^2/NDF: 61.3/54

In: 61.493+/-16.341 χ^2/NDF:42.7/47

Out: 0.640+/-15.984 χ^2/NDF:91.5/54

All: 30.394+/-11.426 χ^2/NDF: 141.3/102

reg_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.163+/-0.028 χ^2/NDF: 3134489.6/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 150.211+/-0.029 χ^2/NDF: 4189037.4/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

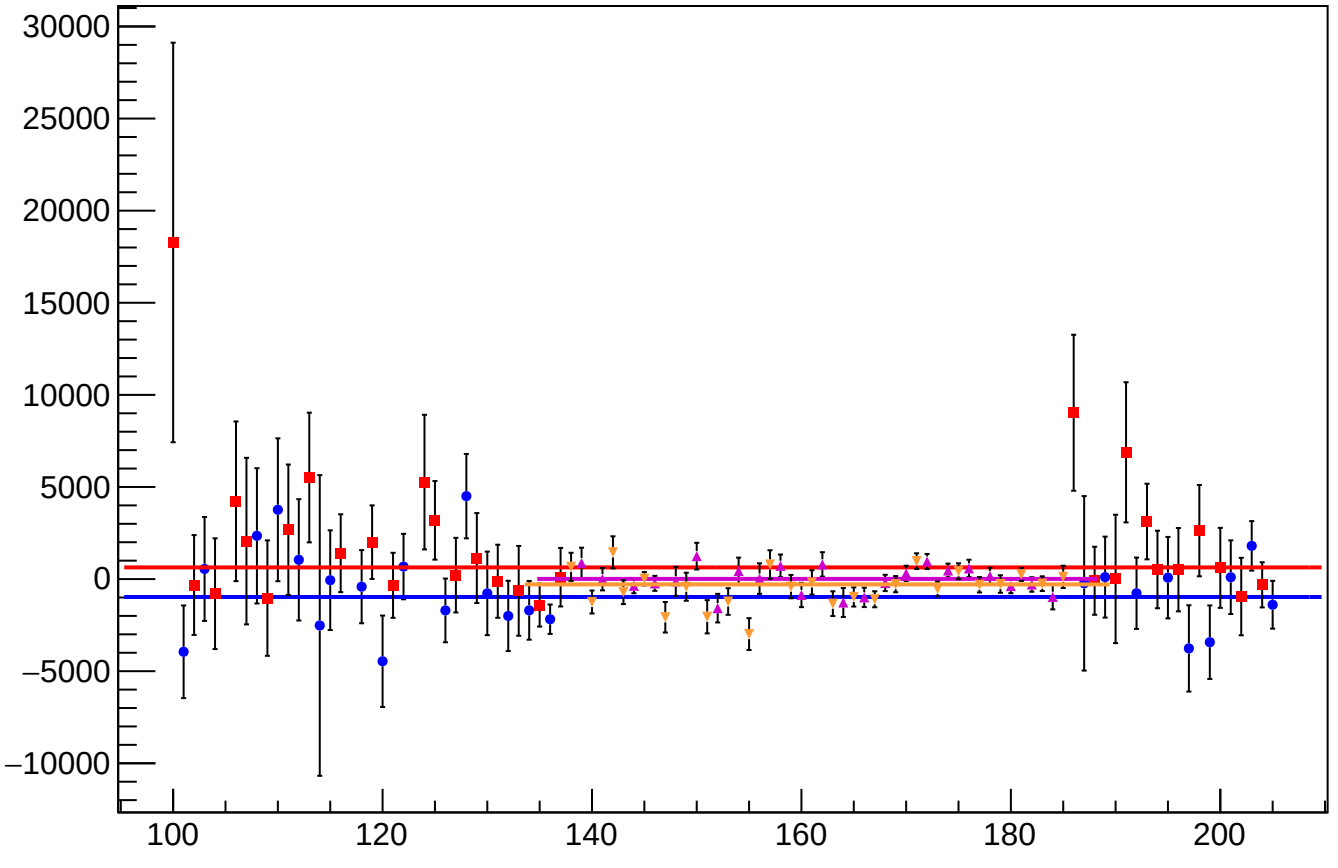
Left: 75.192+/-0.009 χ^2/NDF: 1766053.8/47

Right: 145.550+/-0.020 χ^2/NDF: 7372486.1/54

In: 86.188+/-0.012 χ^2/NDF:8433706.6/47

Out: 86.189+/-0.011 χ^2/NDF:10704281.2/54

All: 86.188+/-0.008 χ^2/NDF: 19137987.7/102



Right In: -972.676+/-380.307 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 633.644+/-404.927 χ^2/NDF: 24.1/29

Left In: 10.643+/-107.669 χ^2/NDF:33.4/22

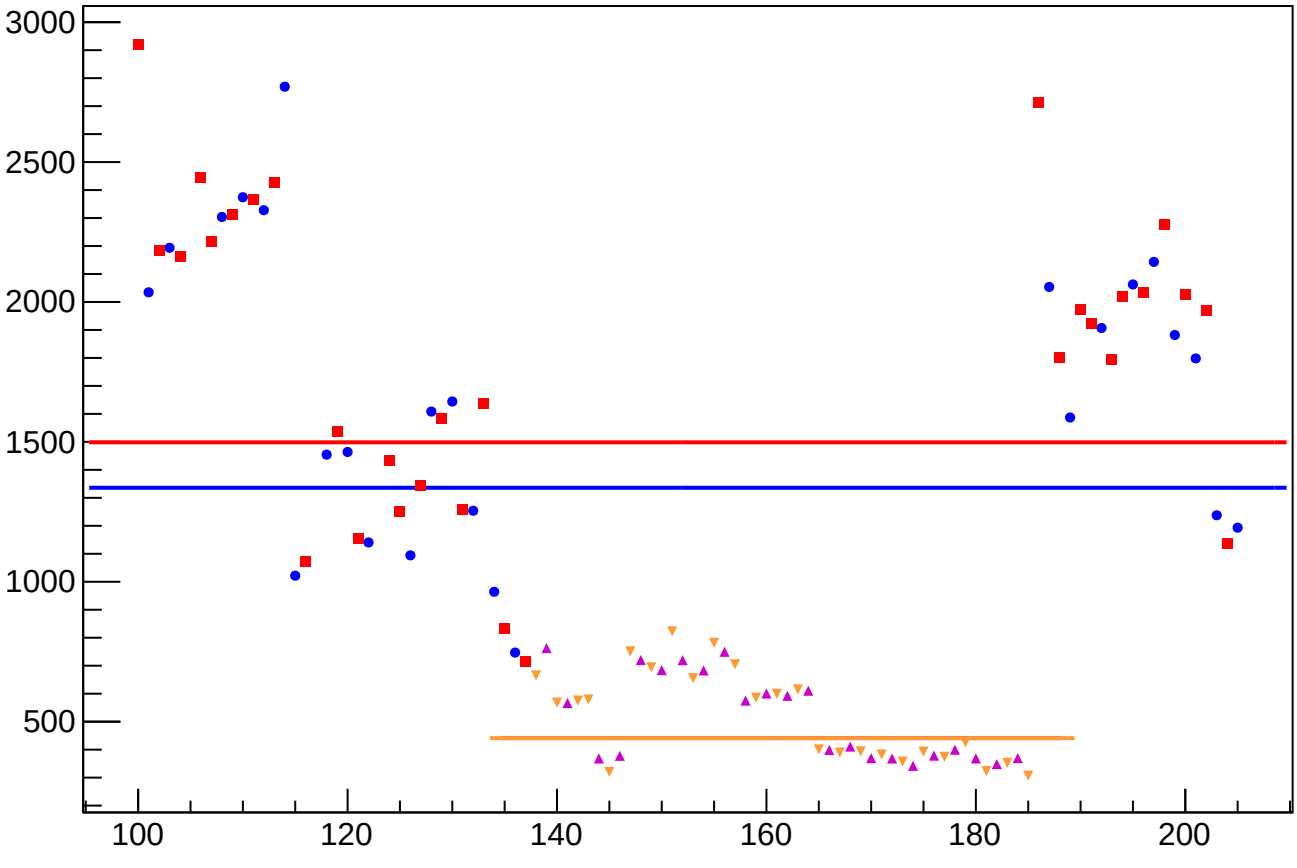
Left: -142.139+/-75.257 χ^2/NDF: 90.6/47

Right: -219.830+/-277.213 χ^2/NDF: 56.6/54

In: -62.324+/-103.598 χ^2/NDF:63.8/47

Out: -229.768+/-101.848 χ^2/NDF:82.2/54

All: -147.471+/-72.628 χ^2/NDF: 147.3/102



Right In: 1336.019+/-0.269 χ^2/NDF: 3225964.7/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1498.392+/-0.286 χ^2/NDF: 3316702.7/29

Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

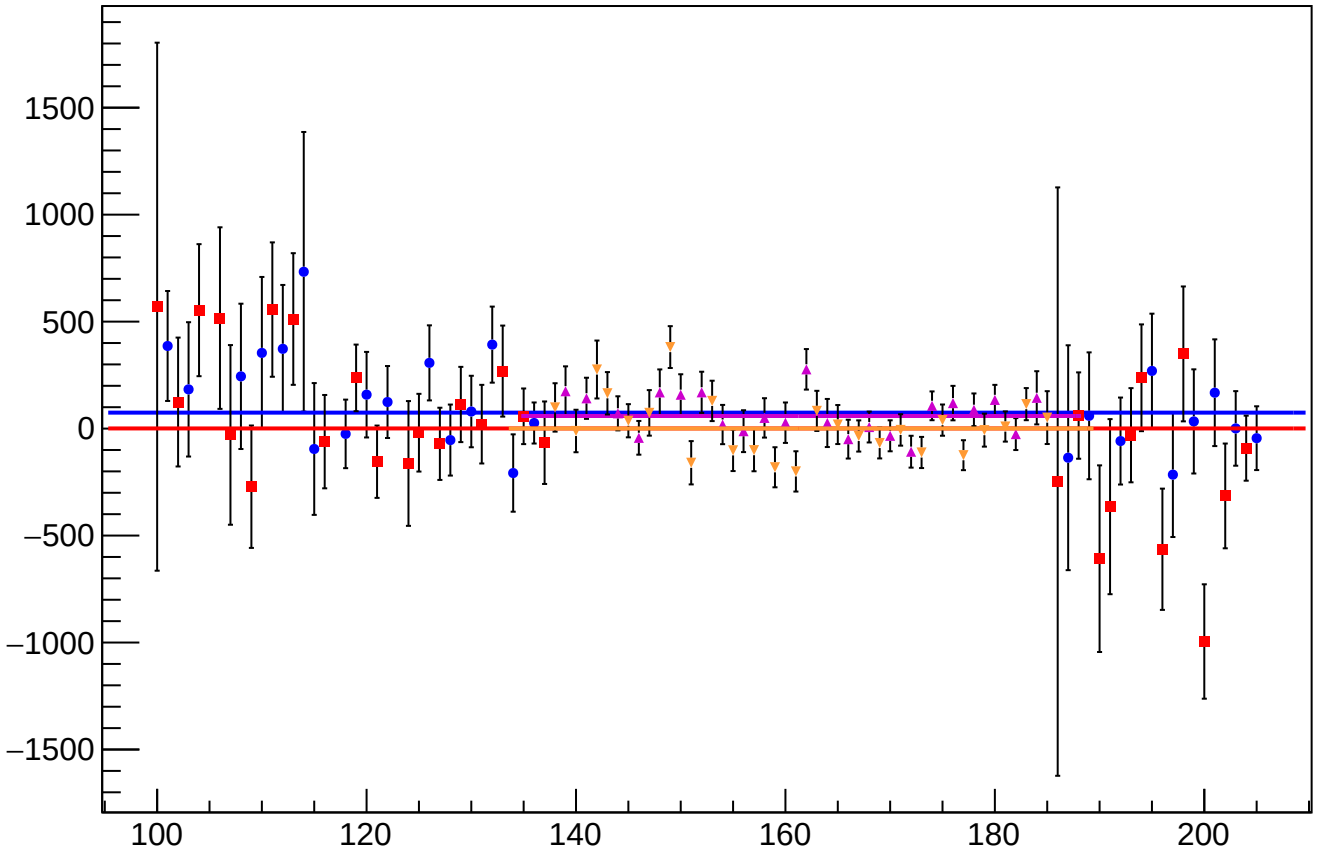
Left: 441.161+/-0.053 χ^2/NDF: 5916705.4/47

Right: 1412.120+/-0.196 χ^2/NDF: 6713536.3/54

In: 507.596+/-0.073 χ^2/NDF:16158673.8/47

Out: 508.015+/-0.072 χ^2/NDF:19323407.1/54

All: 507.809+/-0.051 χ^2/NDF: 35482097.5/10



Right In: 74.603+/-40.272 χ^2/NDF: 16.8/24

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 0.716+/-41.507 χ^2/NDF: 42.8/29

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

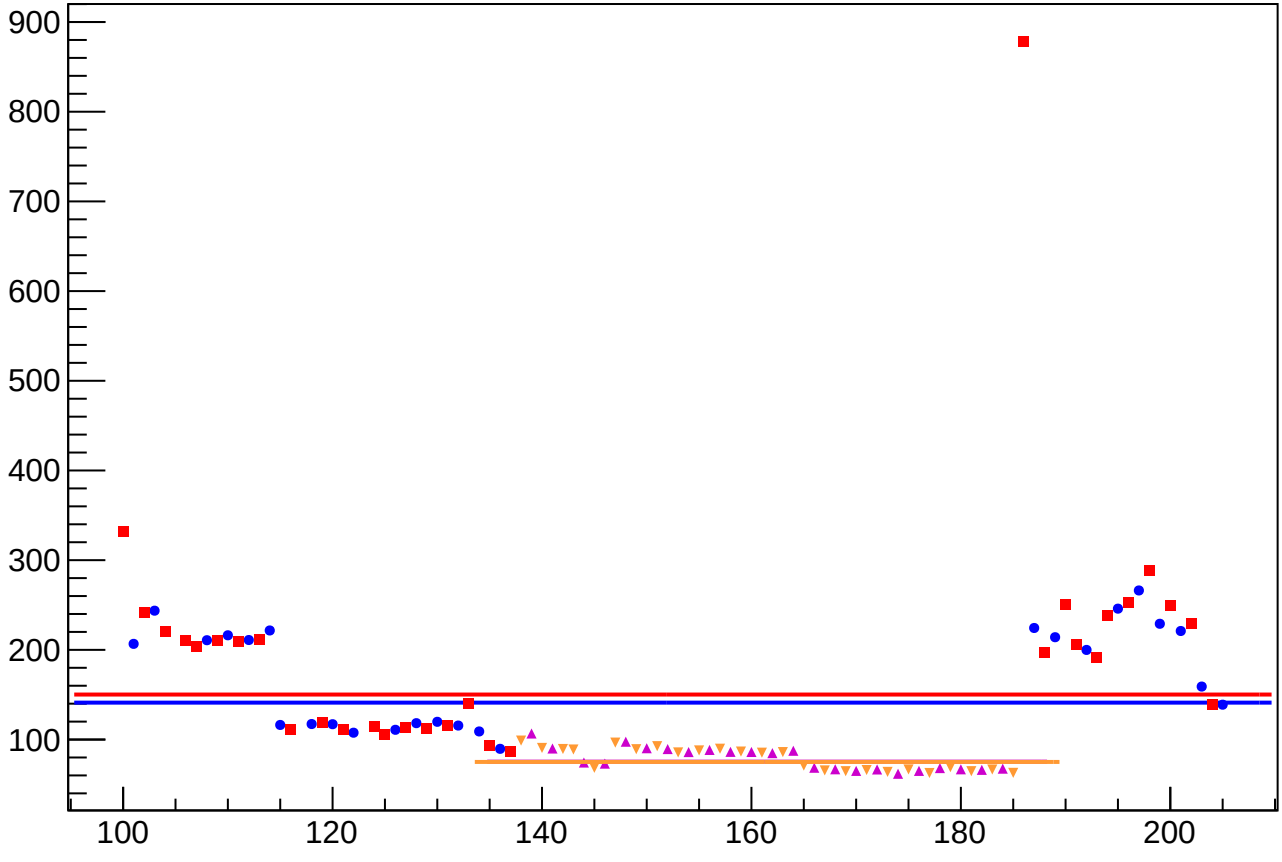
Right: 38.775+/-28.903 χ^2/NDF: 61.2/54

In: 61.489+/-16.341 χ^2/NDF:42.7/47

Out: 0.615+/-15.984 χ^2/NDF:91.4/54

All: 30.379+/-11.426 χ^2/NDF: 141.2/102

cor_asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 141.163+/-0.028 χ^2/NDF: 3134492.1/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 150.178+/-0.029 χ^2/NDF: 4184781.5/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

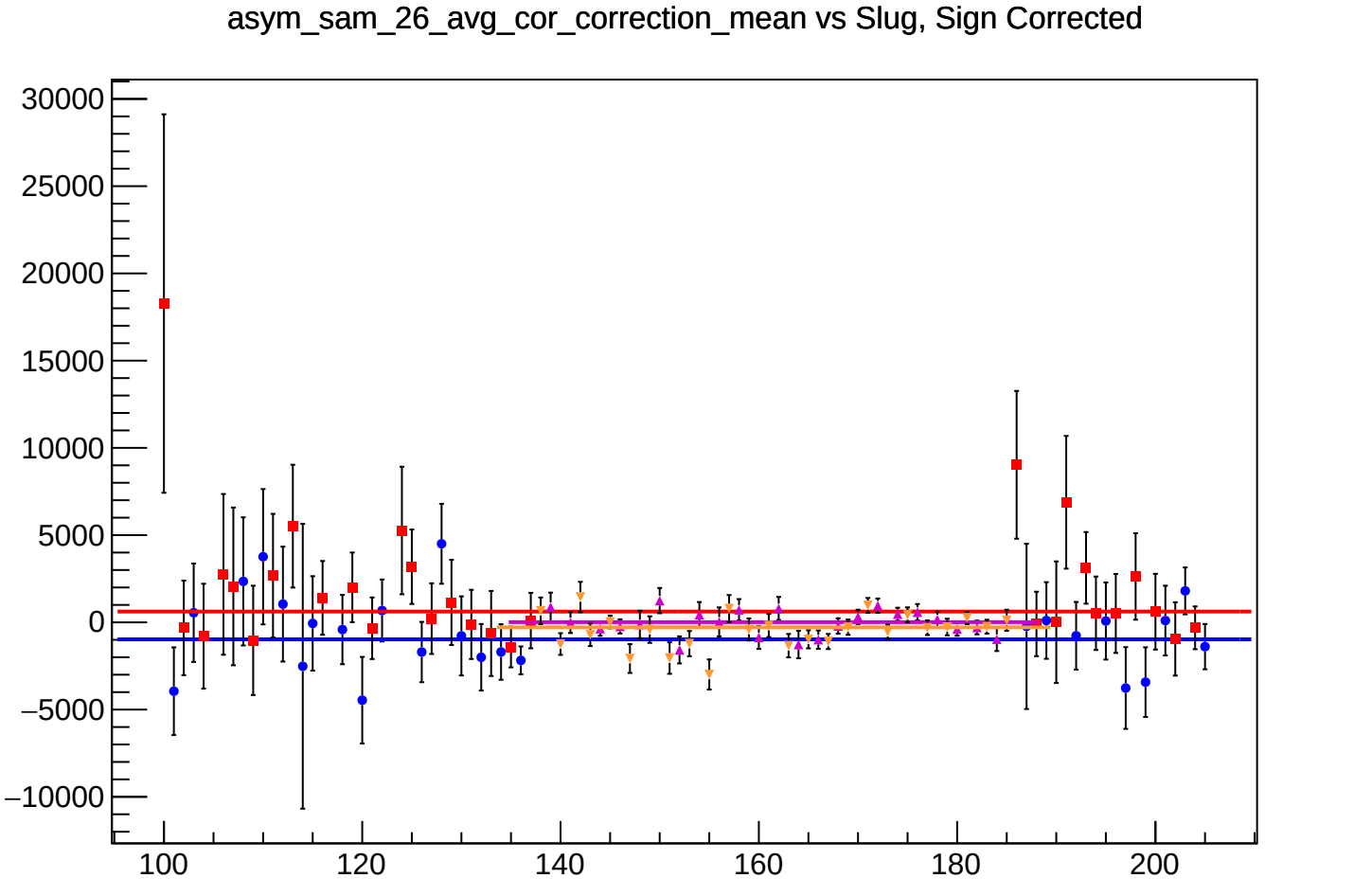
Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

Right: 145.534+/-0.020 χ^2/NDF: 7367870.2/54

In: 86.188+/-0.012 χ^2/NDF:8433708.6/47

Out: 86.183+/-0.011 χ^2/NDF:10694648.2/54

All: 86.185+/-0.008 χ^2/NDF: 19128356.9/102



Right In: -972.662+/-380.308 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 618.813+/-405.136 χ^2/NDF: 23.6/29

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

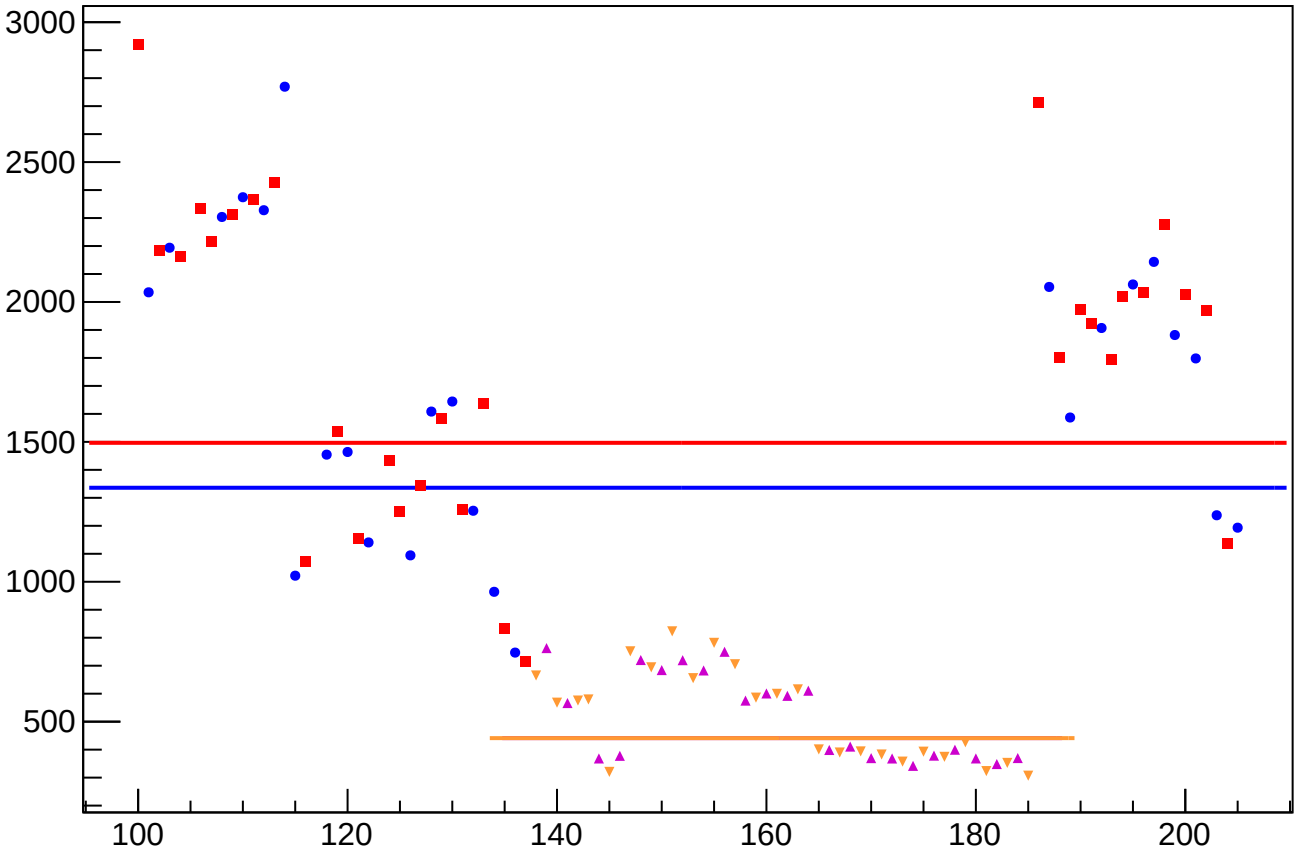
Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

Right: -227.182+/-277.280 χ^2/NDF: 56.0/54

In: -62.322+/-103.598 χ^2/NDF:63.8/47

Out: -230.761+/-101.852 χ^2/NDF:81.6/54

All: -147.973+/-72.629 χ^2/NDF: 146.7/102



Right In: 1336.020+/-0.269 χ^2/NDF: 3225995.6/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.611+/-0.286 χ^2/NDF: 3287694.3/29

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

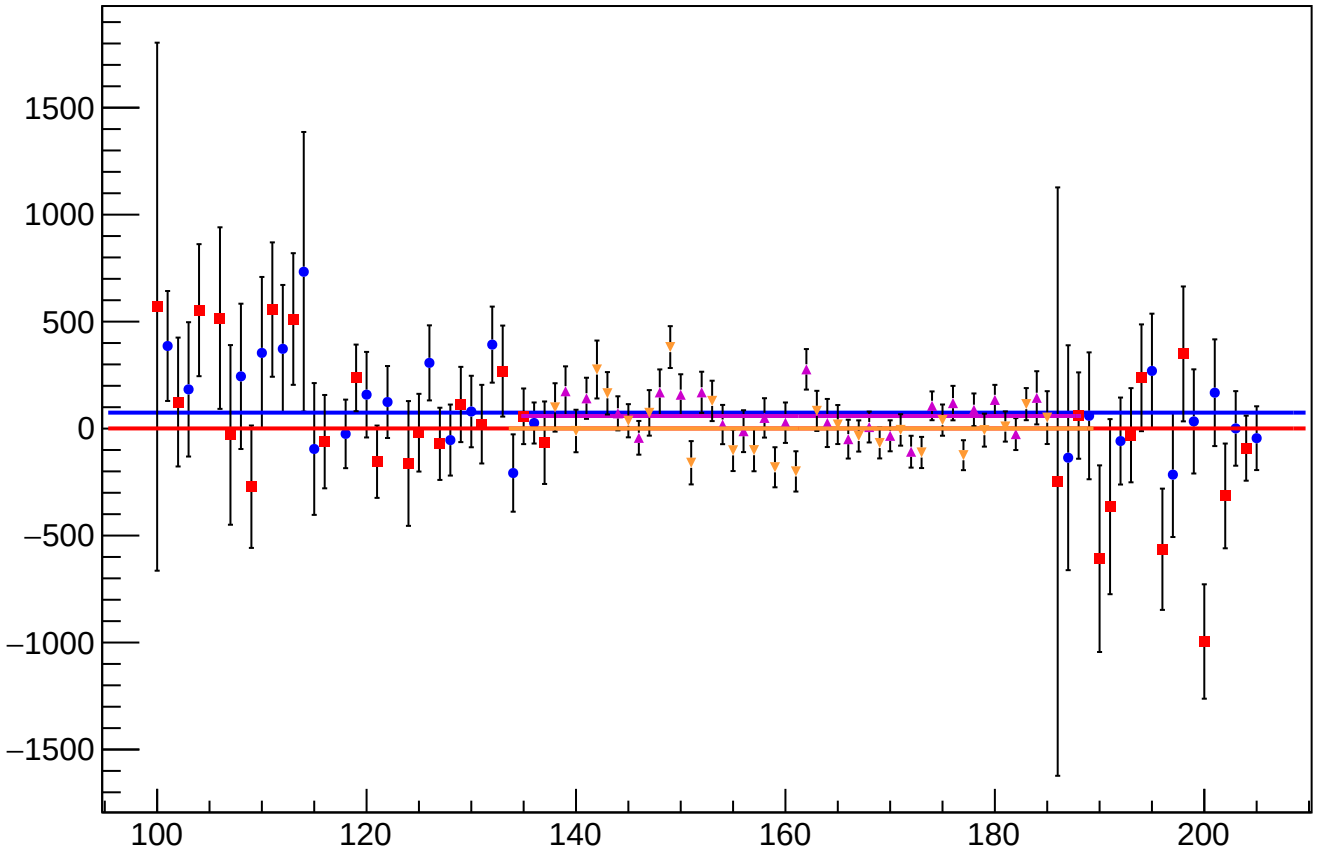
Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

Right: 1411.244+/-0.196 χ^2/NDF: 6680736.7/54

In: 507.596+/-0.073 χ^2/NDF:16158684.2/47

Out: 507.838+/-0.072 χ^2/NDF:19239062.3/54

All: 507.719+/-0.051 χ^2/NDF: 35397752.0/10



Right In: 74.603+/-40.272 χ^2/NDF: 16.8/24

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 0.716+/-41.507 χ^2/NDF: 42.8/29

Left In: 58.904+/-17.879 χ^2/NDF:25.8/22

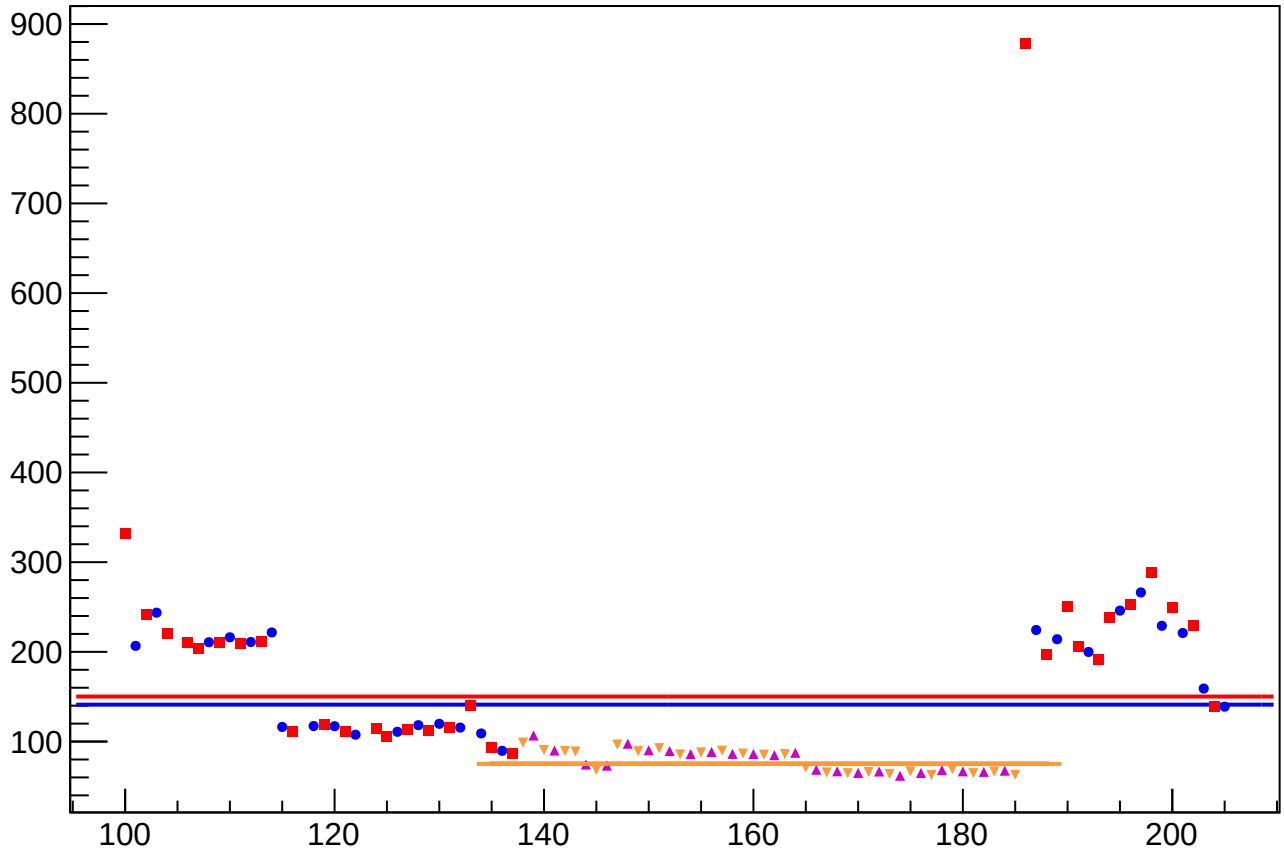
Left: 28.824+/-12.440 χ^2/NDF: 79.9/47

Right: 38.775+/-28.903 χ^2/NDF: 61.2/54

In: 61.489+/-16.341 χ^2/NDF:42.7/47

Out: 0.615+/-15.984 χ^2/NDF:91.4/54

All: 30.379+/-11.426 χ^2/NDF: 141.2/102



Right In: 141.163+/-0.028 χ^2/NDF: 3134492.1/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

Right Out: 150.178+/-0.029 χ^2/NDF: 4184781.5/29

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

Left: 75.192+/-0.009 χ^2/NDF: 1766053.7/47

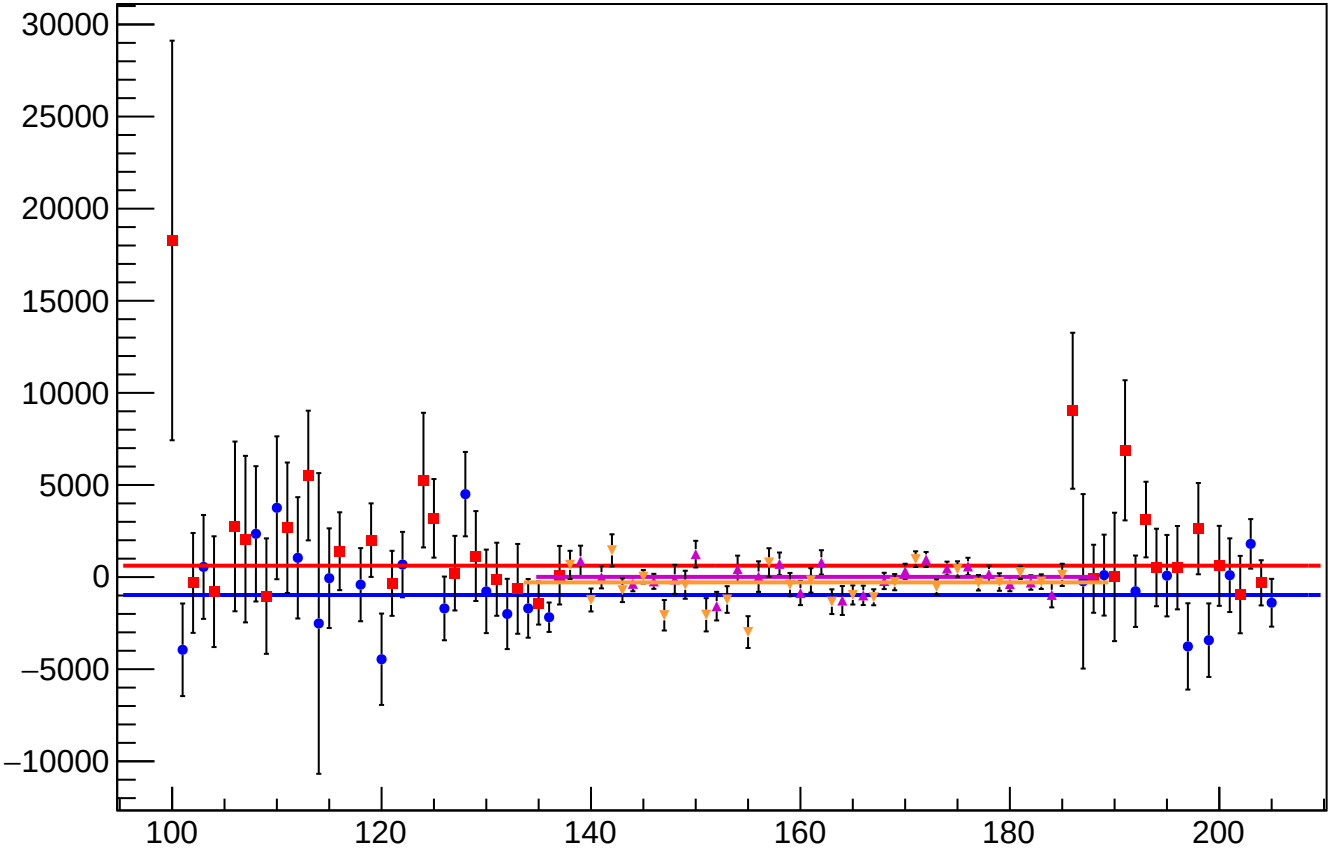
Right: 145.534+/-0.020 χ^2/NDF: 7367870.2/54

In: 86.188+/-0.012 χ^2/NDF:8433708.6/47

Out: 86.183+/-0.011 χ^2/NDF:10694648.2/54

All: 86.185+/-0.008 χ^2/NDF: 19128356.9/102

asym_sam_26_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -972.662+/-380.308 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: 618.813+/-405.136 χ^2/NDF: 23.6/29

Left In: 10.644+/-107.670 χ^2/NDF:33.4/22

Left: -142.138+/-75.257 χ^2/NDF: 90.6/47

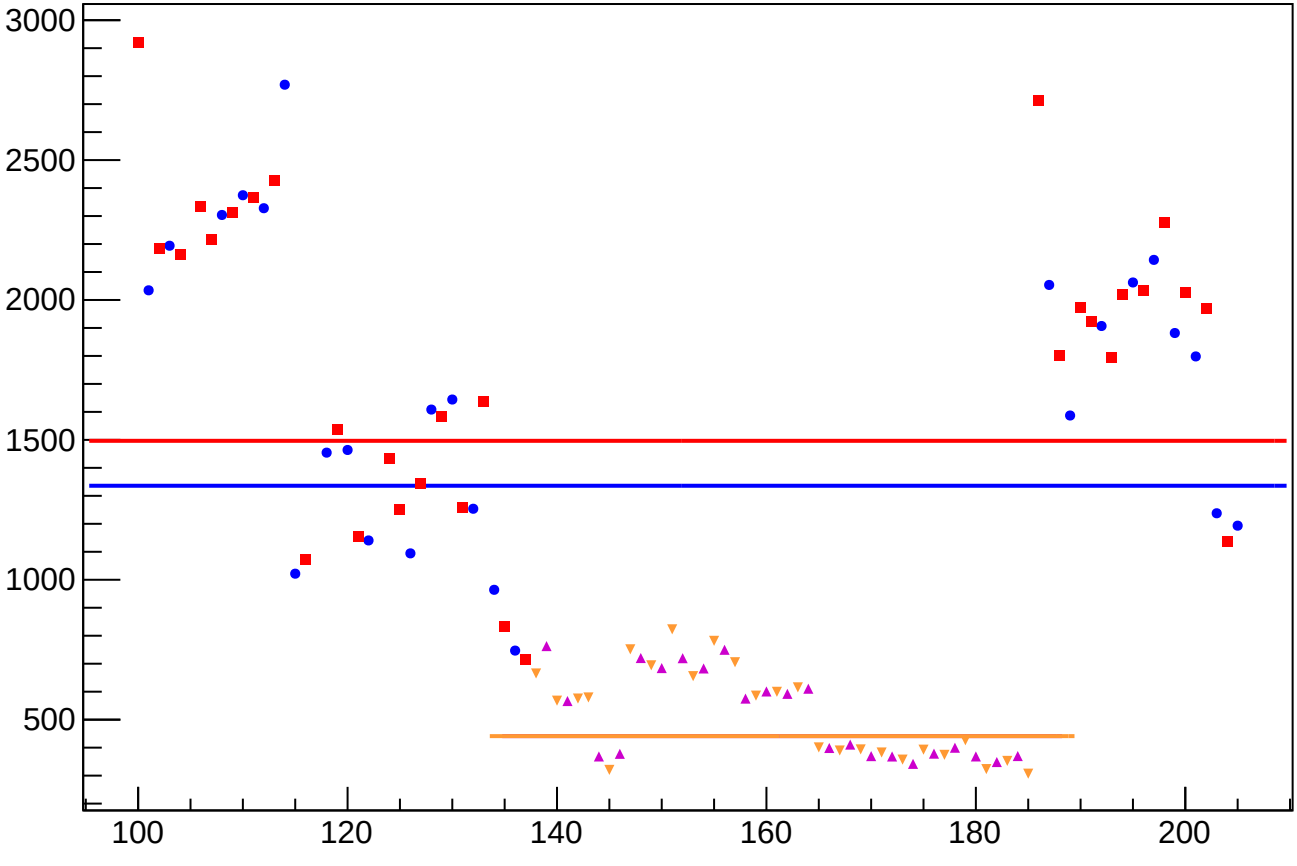
Right: -227.182+/-277.280 χ^2/NDF: 56.0/54

In: -62.322+/-103.598 χ^2/NDF:63.8/47

Out: -230.761+/-101.852 χ^2/NDF:81.6/54

All: -147.973+/-72.629 χ^2/NDF: 146.7/102

asym_sam_26_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1336.020+/-0.269 χ^2/NDF: 3225995.6/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1496.611+/-0.286 χ^2/NDF: 3287694.3/29

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

Left: 441.162+/-0.053 χ^2/NDF: 5916696.8/47

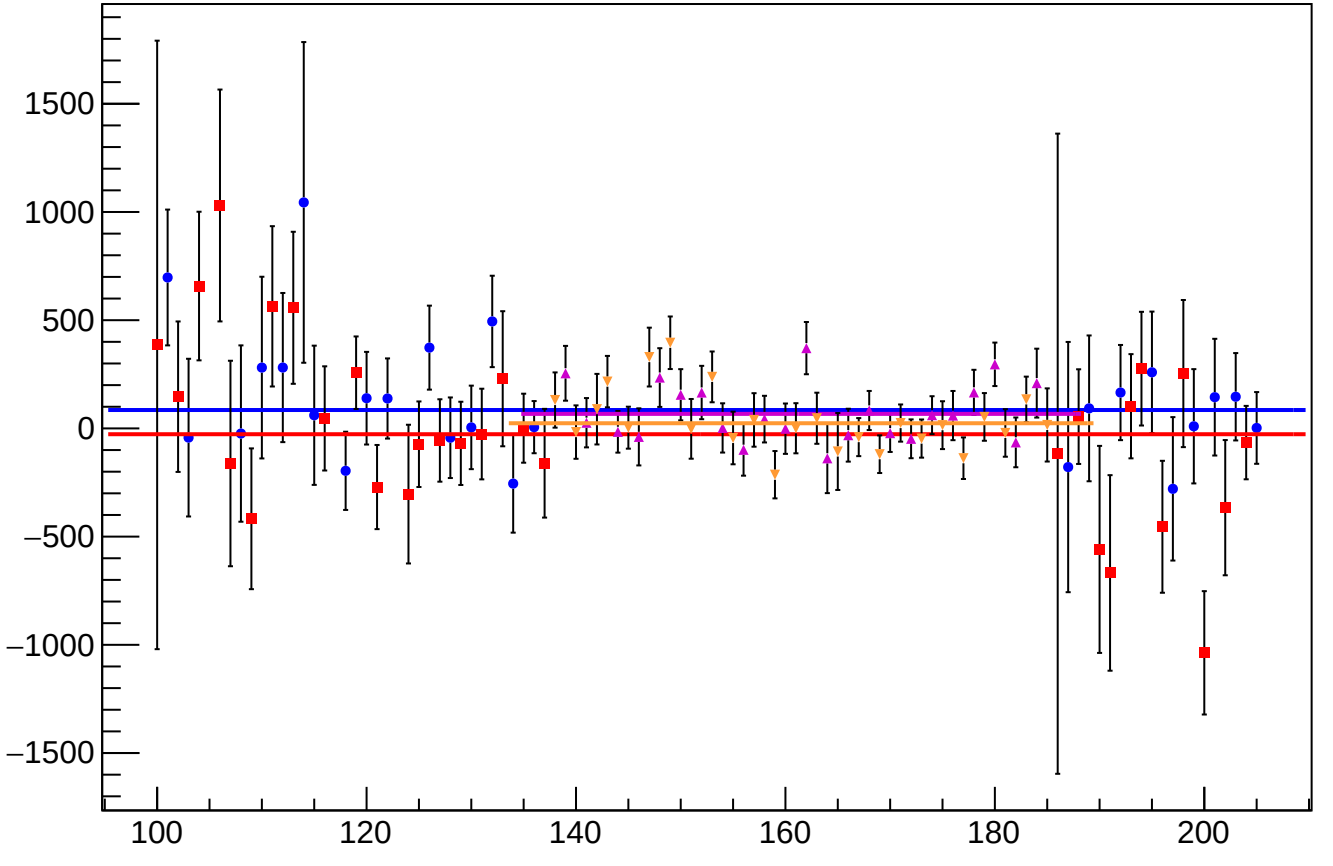
Right: 1411.244+/-0.196 χ^2/NDF: 6680736.7/54

In: 507.596+/-0.073 χ^2/NDF:16158684.2/47

Out: 507.838+/-0.072 χ^2/NDF:19239062.3/54

All: 507.719+/-0.051 χ^2/NDF: 35397752.0/10

dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 84.963+/-46.262 χ^2/NDF: 20.5/24

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: -26.866+/-47.312 χ^2/NDF: 42.9/29

Left In: 67.086+/-23.121 χ^2/NDF:28.6/22

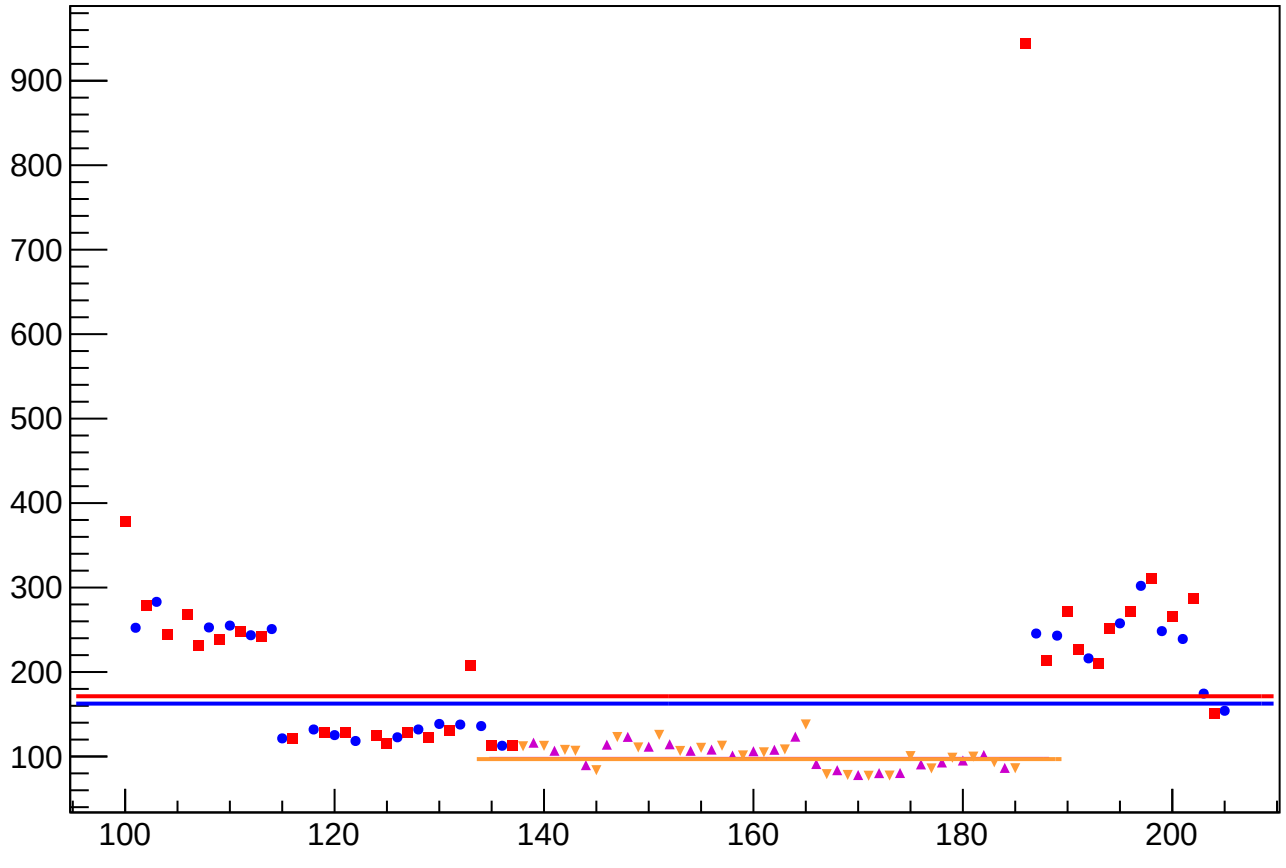
Left: 44.809+/-16.093 χ^2/NDF: 65.6/47

Right: 30.303+/-33.077 χ^2/NDF: 66.3/54

In: 70.659+/-20.682 χ^2/NDF:49.3/47

Out: 14.573+/-20.256 χ^2/NDF:79.0/54

All: 42.032+/-14.471 χ^2/NDF: 132.0/102



Right In: 162.602+/-0.033 χ^2/NDF: 2790357.0/24

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 171.309+/-0.033 χ^2/NDF: 3945820.1/29

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

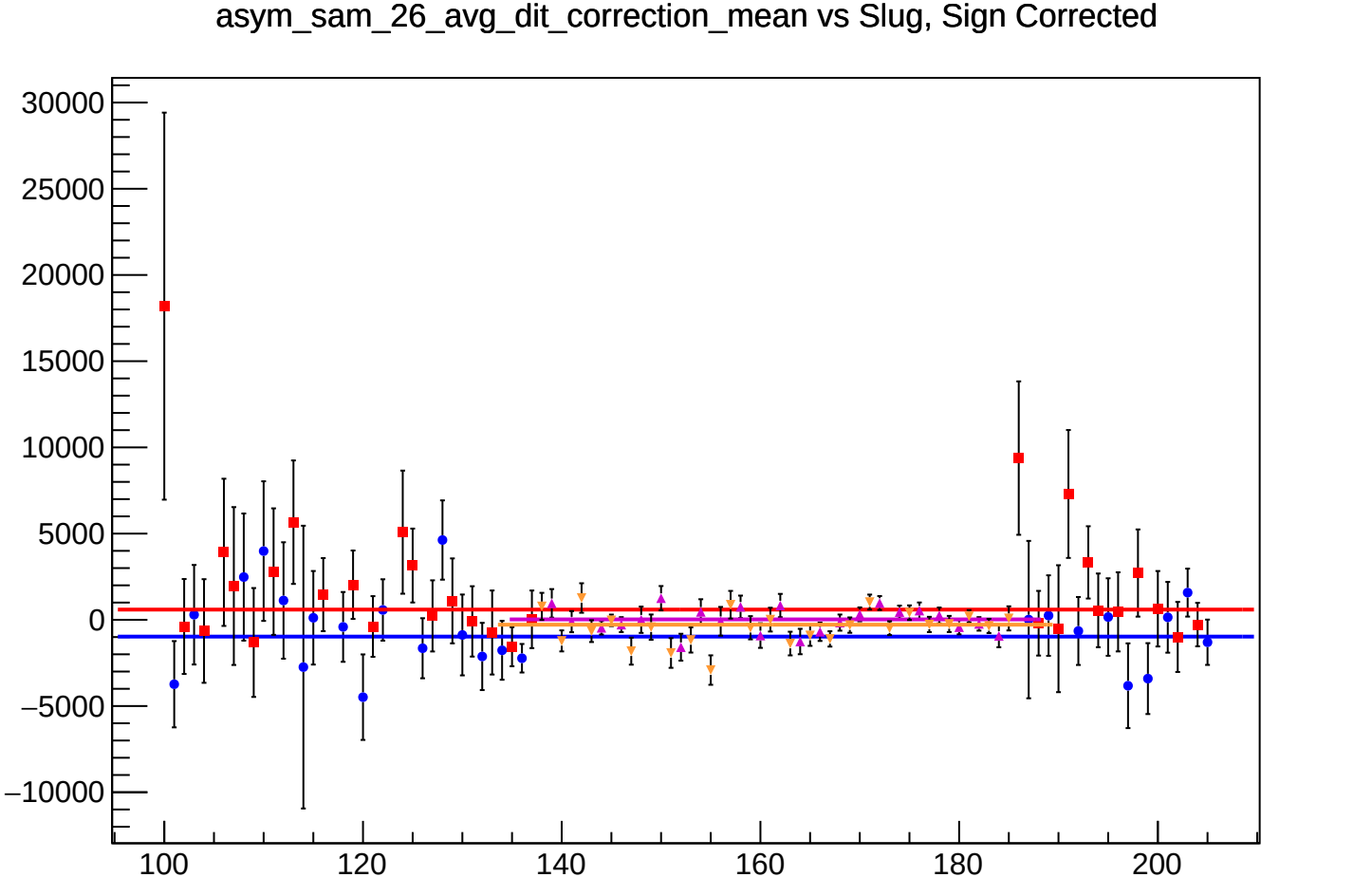
Left: 97.033+/-0.011 χ^2/NDF: 1608706.5/47

Right: 166.858+/-0.023 χ^2/NDF: 6770801.4/54

In: 110.245+/-0.015 χ^2/NDF:6666510.6/47

Out: 110.545+/-0.014 χ^2/NDF:8919128.5/54

All: 110.398+/-0.010 χ^2/NDF: 15585853.4/10



Right In: -973.113+/-390.299 χ^2/NDF: 23.2/24

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: 593.176+/-408.272 χ^2/NDF: 25.3/29

Left In: 24.625+/-108.884 χ^2/NDF:32.9/22

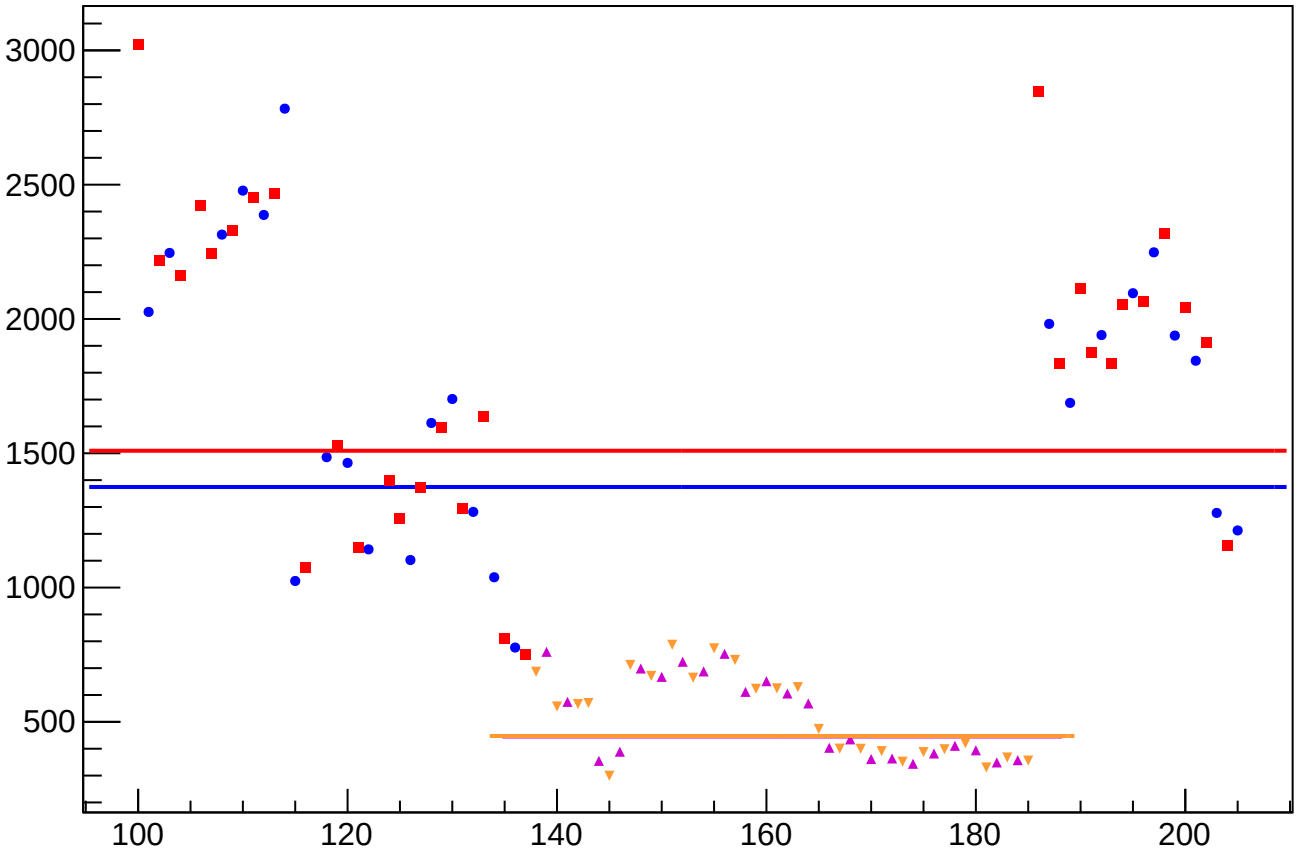
Left: -132.449+/-76.097 χ^2/NDF: 87.4/47

Right: -225.201+/-282.123 χ^2/NDF: 56.3/54

In: -47.418+/-104.879 χ^2/NDF:62.3/47

Out: -226.741+/-102.956 χ^2/NDF:80.1/54

All: -138.739+/-73.471 χ^2/NDF: 143.8/102



Right In: 1374.458+/-0.276 χ^2/NDF: 3136070.7/24

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1509.423+/-0.289 χ^2/NDF: 3388515.2/29

Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

Left: 446.460+/-0.054 χ^2/NDF: 5911376.8/47

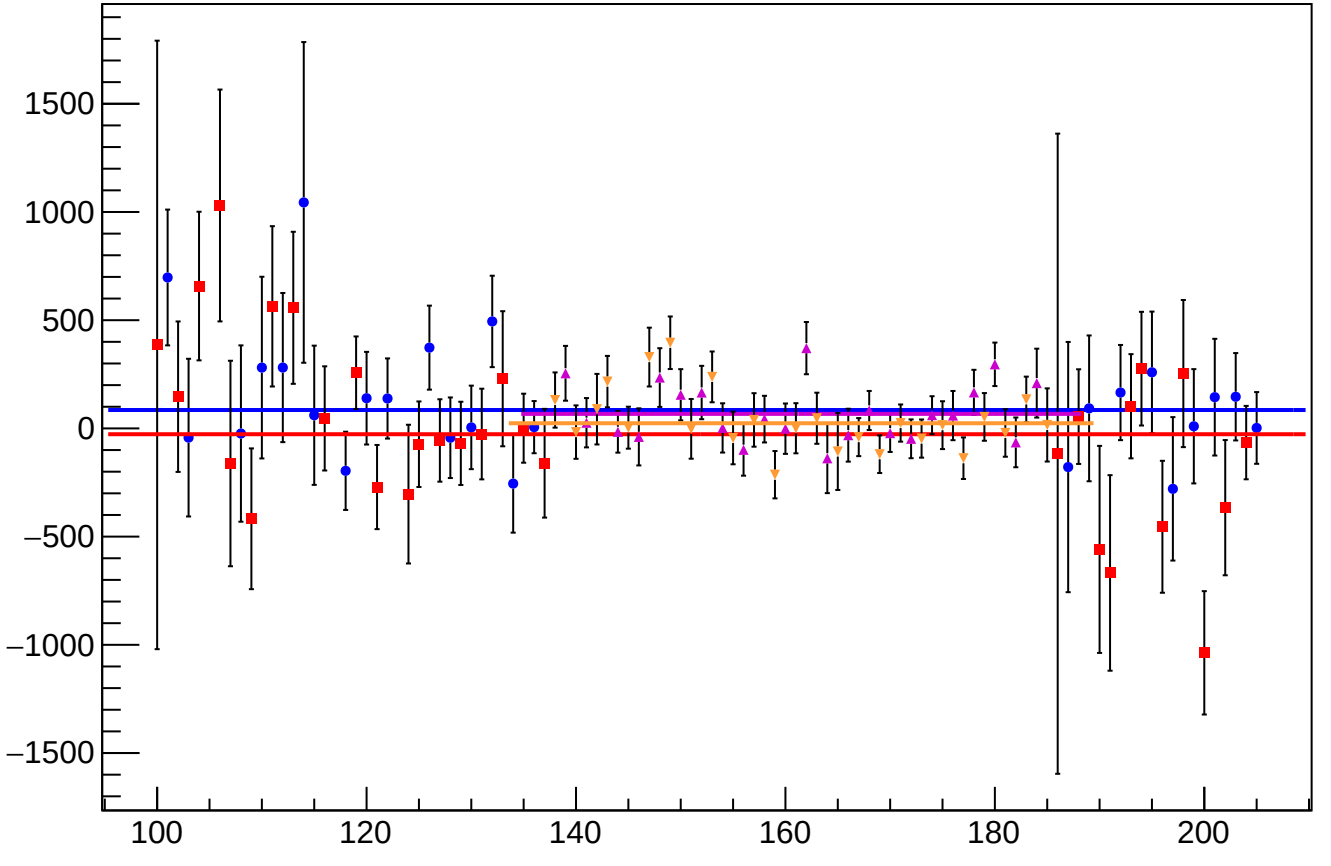
Right: 1438.904+/-0.199 χ^2/NDF: 6638782.4/54

In: 512.569+/-0.074 χ^2/NDF:16361390.5/47

Out: 514.923+/-0.073 χ^2/NDF:19259183.2/54

All: 513.768+/-0.052 χ^2/NDF: 35621086.5/10

eigen_dit_asym_sam_26_avg_mean vs Slug, Sign Corrected



Right In: 84.965+/-46.262 χ^2/NDF: 20.5/24

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: -26.865+/-47.312 χ^2/NDF: 42.9/29

Left In: 67.085+/-23.121 χ^2/NDF:28.6/22

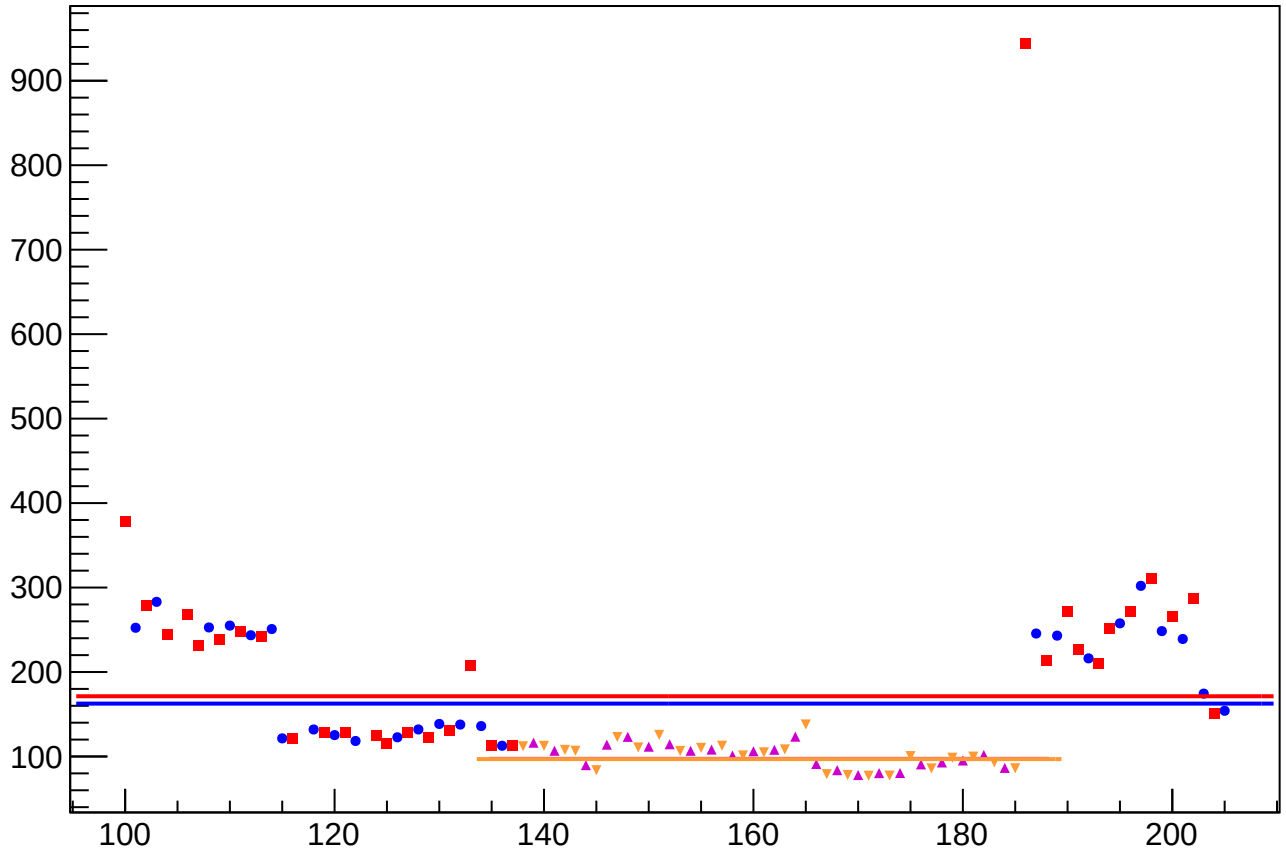
Left: 44.808+/-16.093 χ^2/NDF: 65.6/47

Right: 30.305+/-33.077 χ^2/NDF: 66.3/54

In: 70.659+/-20.682 χ^2/NDF:49.3/47

Out: 14.572+/-20.256 χ^2/NDF:79.0/54

All: 42.032+/-14.471 χ^2/NDF: 132.0/102



Right In: 162.602+/-0.033 χ^2/NDF: 2790367.6/24

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

Right Out: 171.309+/-0.033 χ^2/NDF: 3945825.8/29

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

Left: 97.034+/-0.011 χ^2/NDF: 1608696.0/47

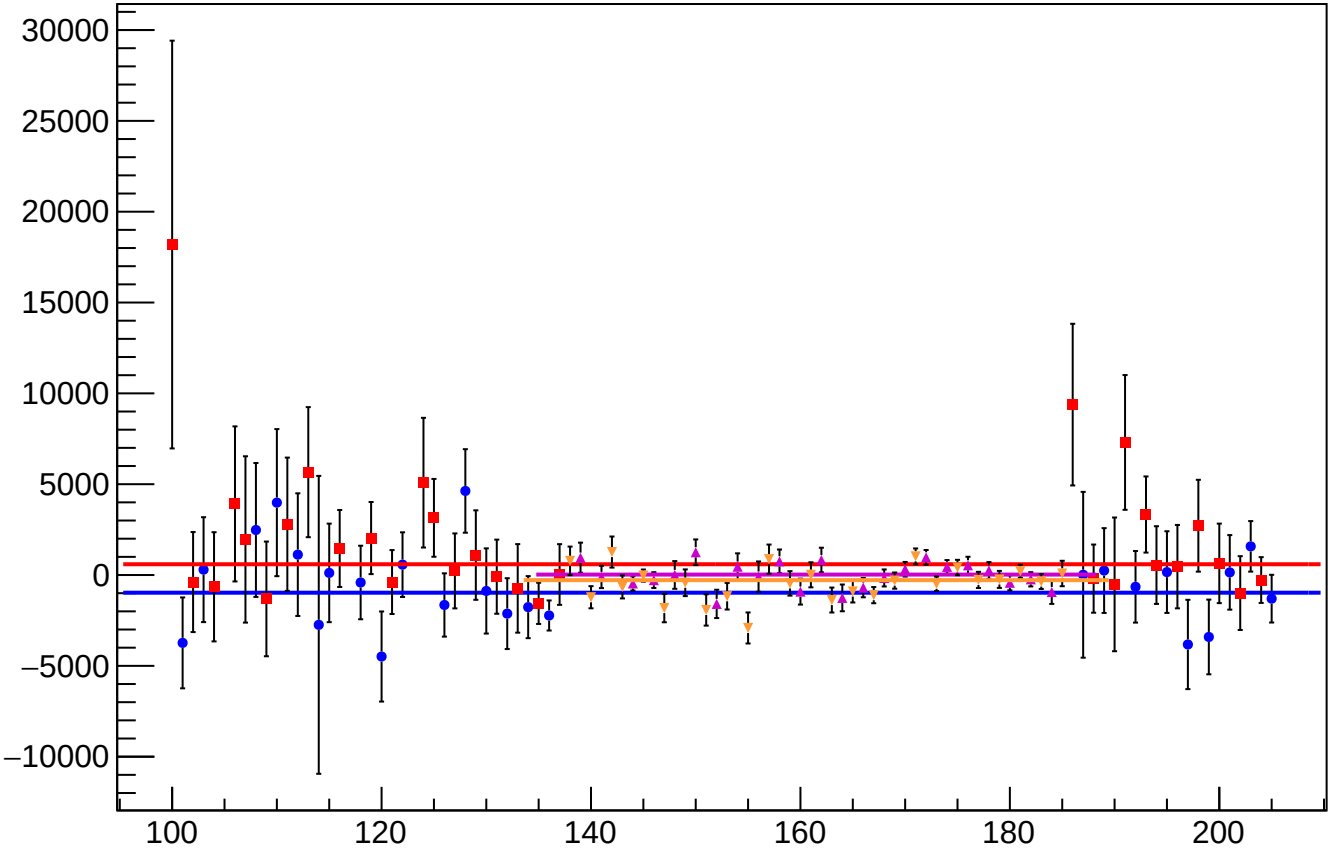
Right: 166.857+/-0.023 χ^2/NDF: 6770820.0/54

In: 110.245+/-0.015 χ^2/NDF:6666428.8/47

Out: 110.545+/-0.014 χ^2/NDF:8919073.8/54

All: 110.398+/-0.010 χ^2/NDF: 15585716.8/10

asym_sam_26_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -973.111+/-390.299 χ^2/NDF: 23.2/24

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: 593.178+/-408.272 χ^2/NDF: 25.3/29

Left In: 24.626+/-108.884 χ^2/NDF:32.9/22

Left: -132.448+/-76.097 χ^2/NDF: 87.4/47

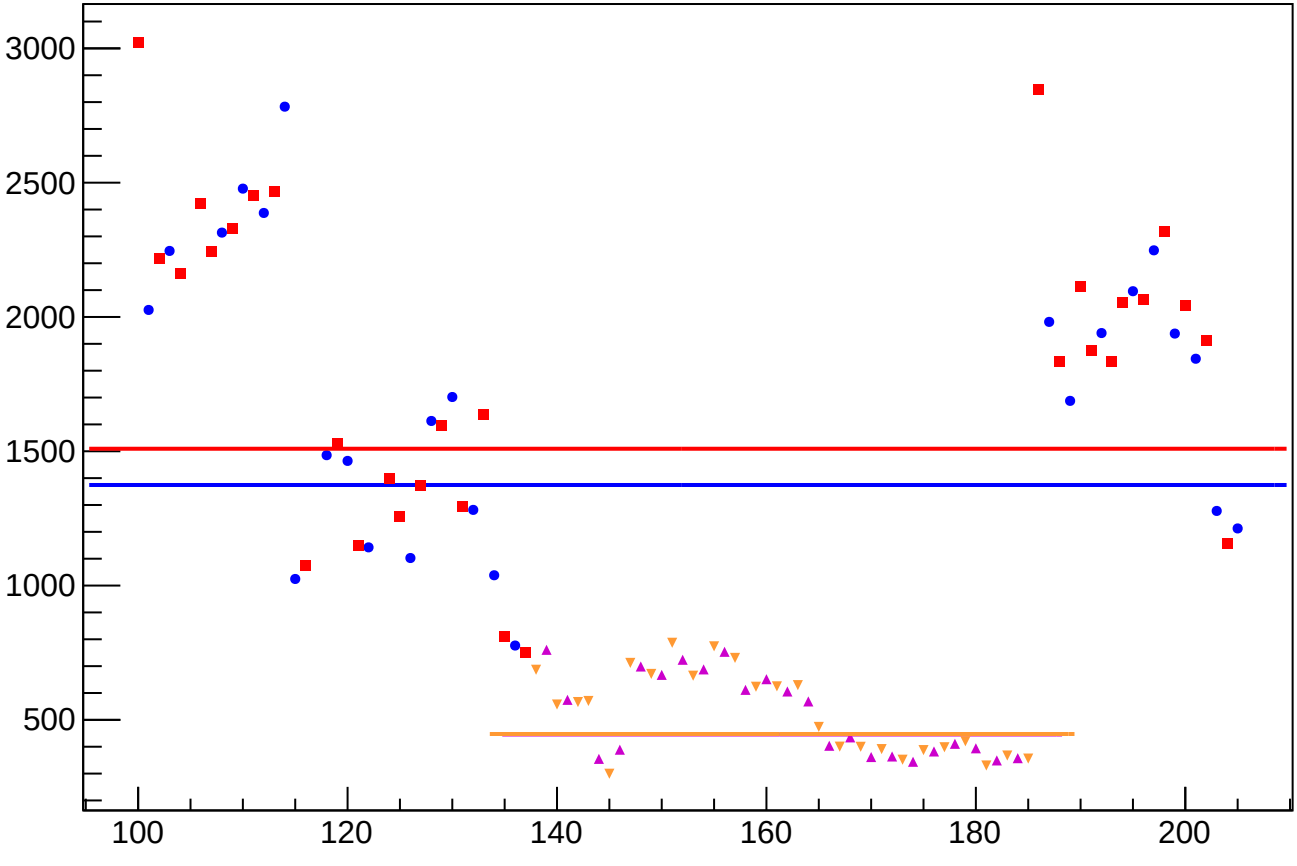
Right: -225.199+/-282.123 χ^2/NDF: 56.3/54

In: -47.418+/-104.879 χ^2/NDF:62.3/47

Out: -226.740+/-102.956 χ^2/NDF:80.0/54

All: -138.738+/-73.471 χ^2/NDF: 143.8/102

asym_sam_26_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1374.458+/-0.276 χ^2/NDF: 3136050.4/24

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1509.423+/-0.289 χ^2/NDF: 3388498.2/29

Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

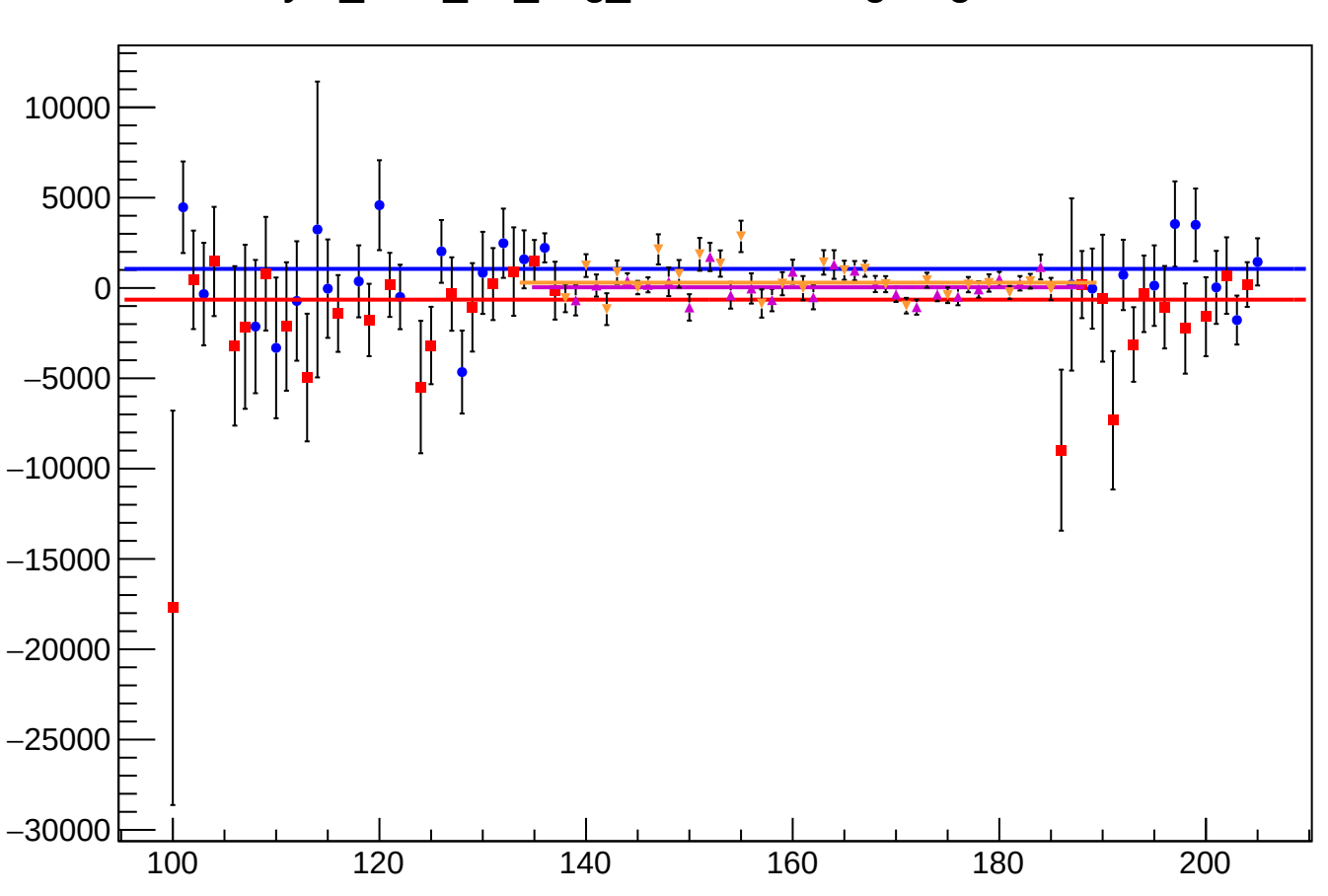
Left: 446.460+/-0.054 χ^2/NDF: 5911407.5/47

Right: 1438.905+/-0.199 χ^2/NDF: 6638744.8/54

In: 512.569+/-0.074 χ^2/NDF:16361399.2/47

Out: 514.922+/-0.073 χ^2/NDF:19259209.3/54

All: 513.767+/-0.052 χ^2/NDF: 35621121.2/10



Right In: 1057.621+/-382.977 χ^2/NDF: 24.5/24

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: -645.758+/-407.591 χ^2/NDF: 22.9/29

Left In: 38.107+/-109.315 χ^2/NDF:32.9/22

Left: 169.535+/-76.396 χ^2/NDF: 86.3/47

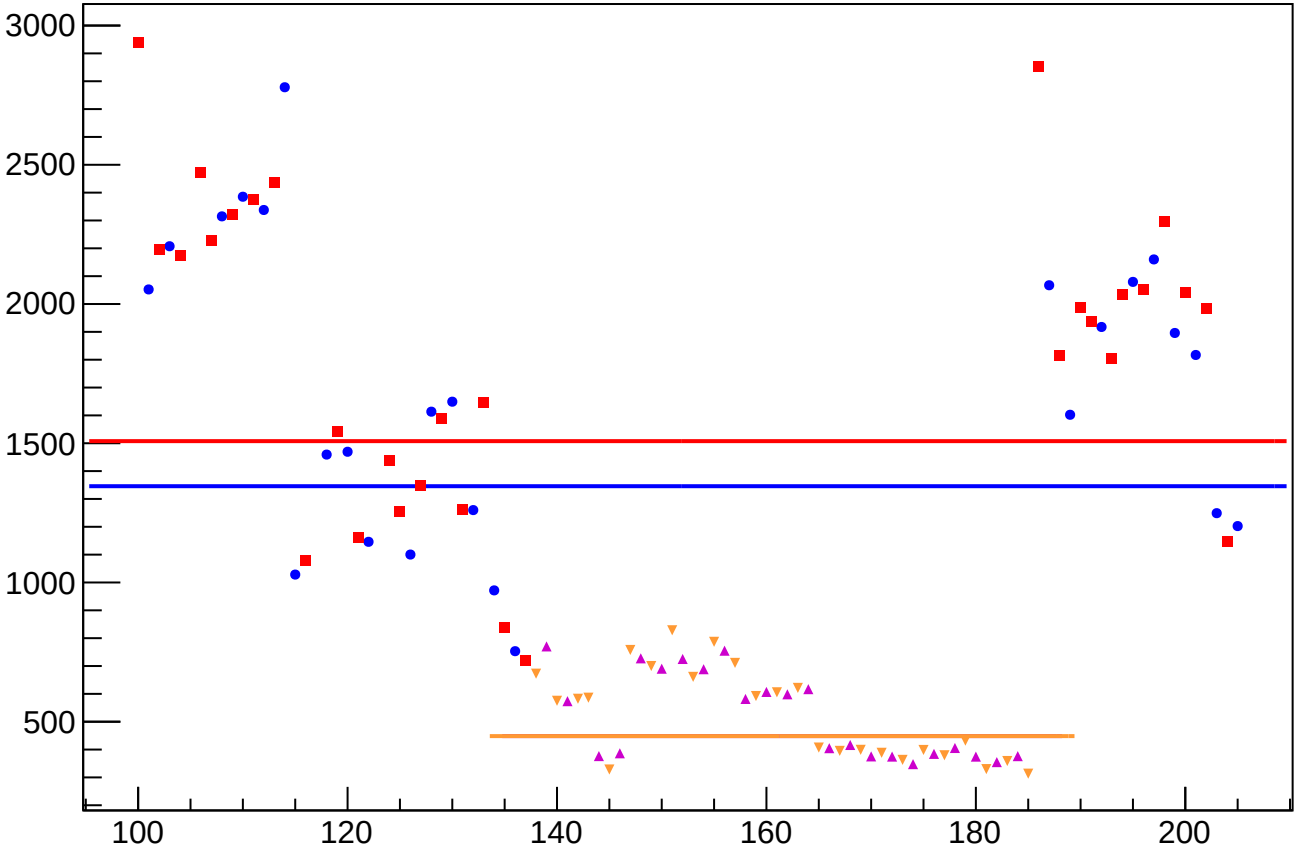
Right: 258.914+/-279.102 χ^2/NDF: 56.7/54

In: 114.912+/-105.117 χ^2/NDF:64.0/47

Out: 234.555+/-103.321 χ^2/NDF:78.4/54

All: 175.764+/-73.686 χ^2/NDF: 143.0/102

asym_sam_26_avg_rms vs Slug, Sign Corrected



Right In: 1345.744+/-0.271 χ^2/NDF: 3215961.1/24

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1507.570+/-0.288 χ^2/NDF: 3336210.5/29

Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

Left: 448.336+/-0.054 χ^2/NDF: 5777670.6/47

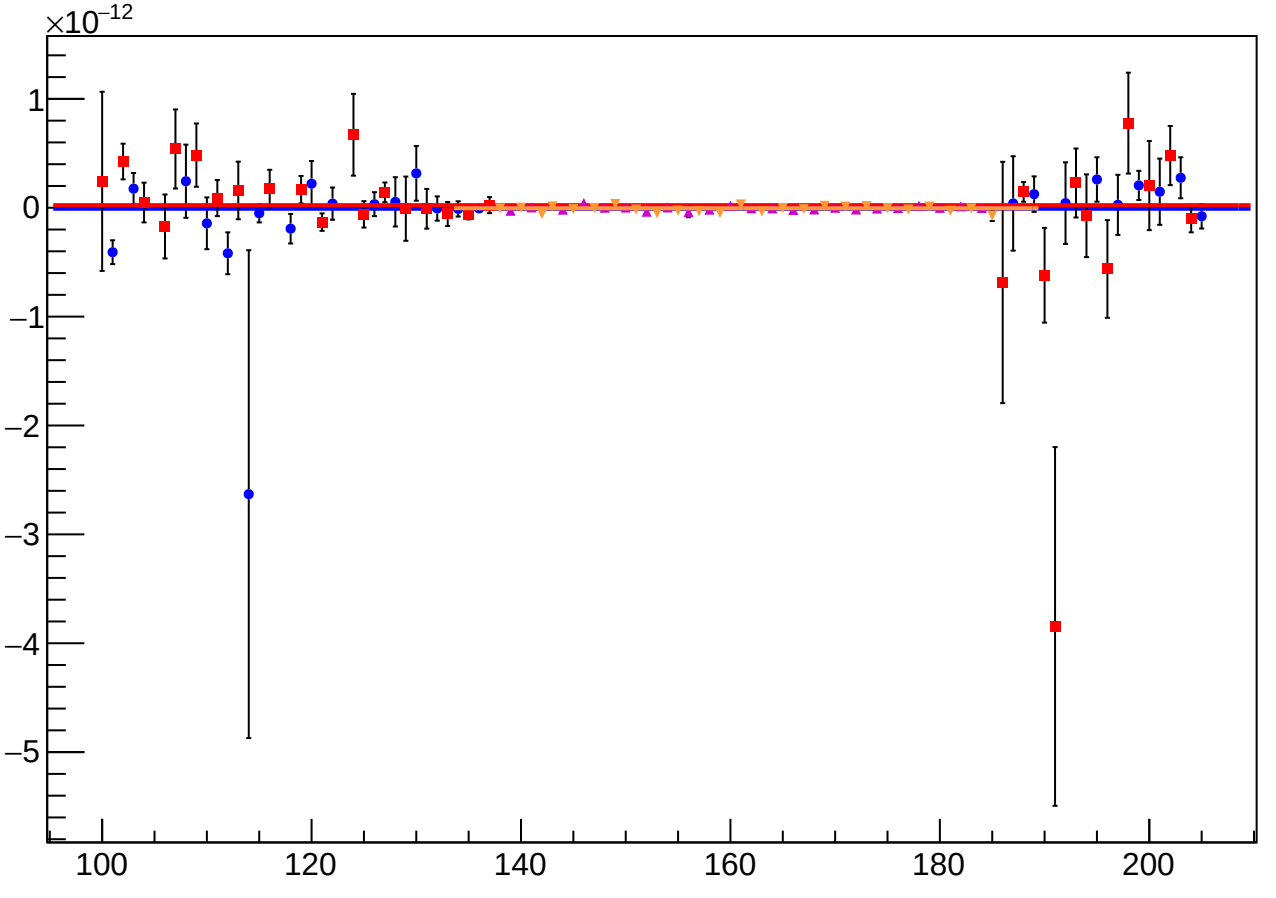
Right: 1421.623+/-0.197 χ^2/NDF: 6719611.9/54

In: 515.999+/-0.074 χ^2/NDF:15989580.9/47

Out: 516.346+/-0.073 χ^2/NDF:19133708.2/54

All: 516.176+/-0.052 χ^2/NDF: 35123300.2/10

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 44.4/29

Left In: -0.000+/-0.000 χ^2/NDF:16.7/22

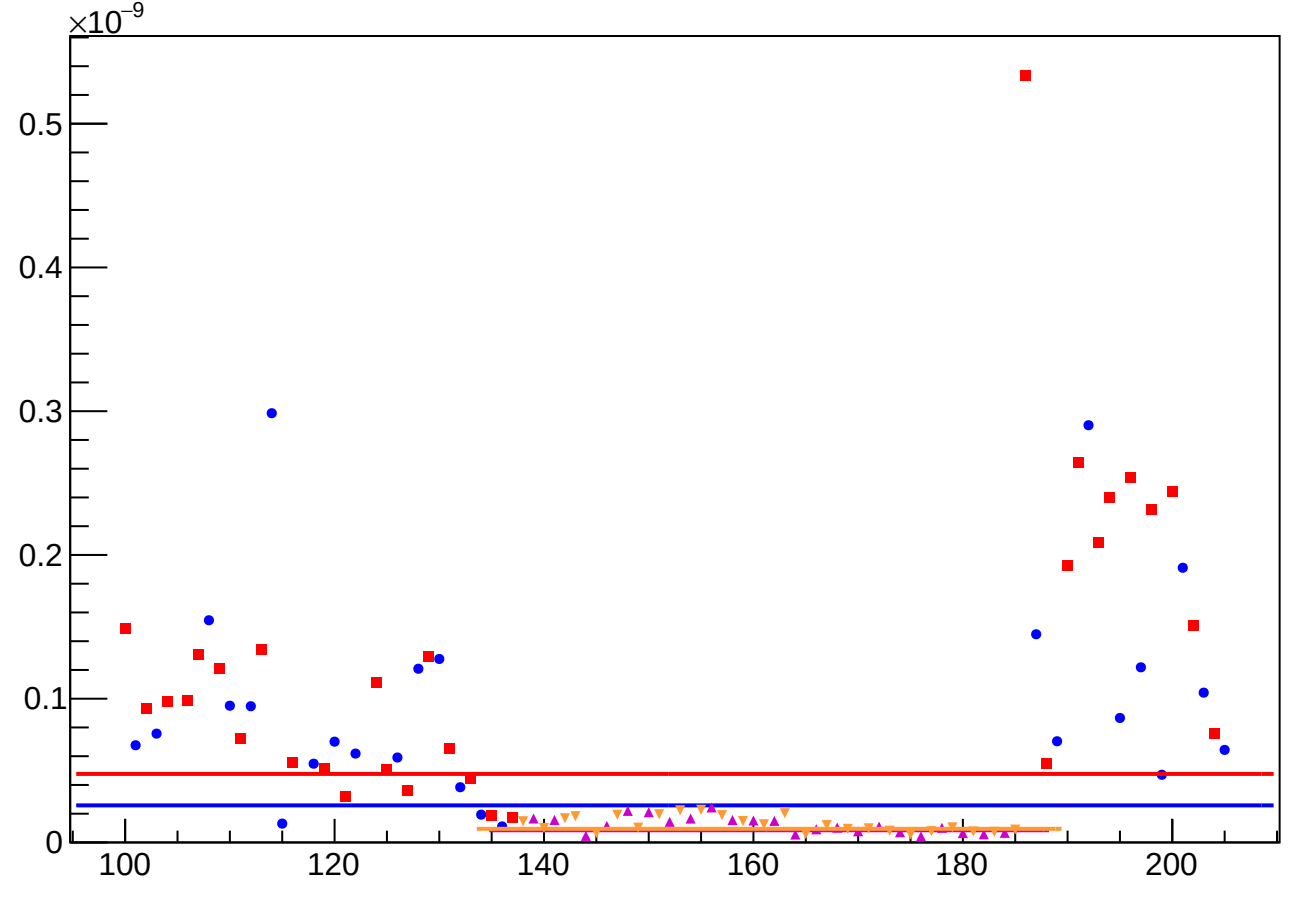
Left: -0.000+/-0.000 χ^2/NDF: 39.9/47

Right: 0.000+/-0.000 χ^2/NDF: 80.6/54

In: -0.000+/-0.000 χ^2/NDF:51.8/47

Out: -0.000+/-0.000 χ^2/NDF:68.8/54

All: -0.000+/-0.000 χ^2/NDF: 120.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 6466204.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5542429.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

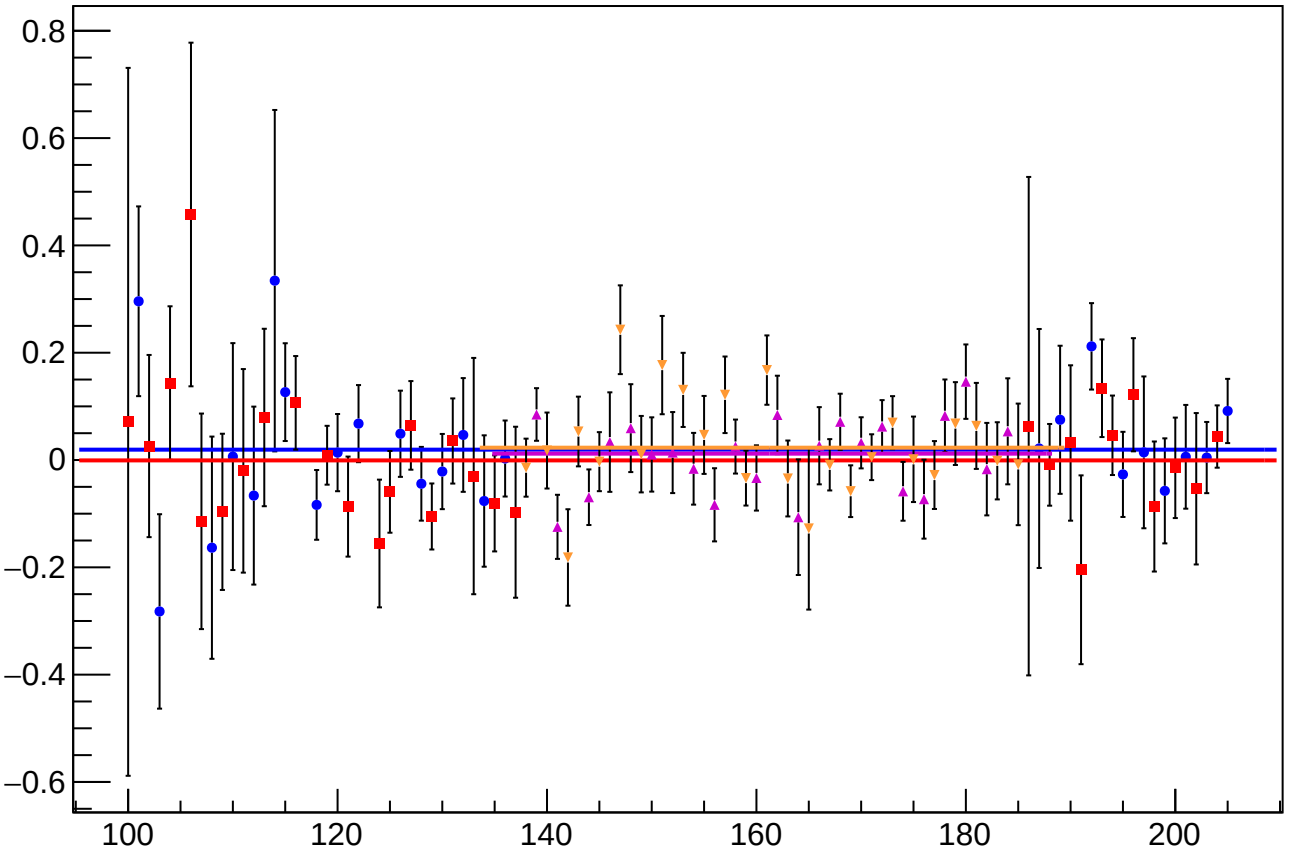
Left: 0.000+/-0.000 χ^2/NDF: 5231856.7/47

Right: 0.000+/-0.000 χ^2/NDF: 13031479.6/54

In: 0.000+/-0.000 χ^2/NDF:11157856.5/47

Out: 0.000+/-0.000 χ^2/NDF:12386470.0/54

All: 0.000+/-0.000 χ^2/NDF: 23628276.6/102



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

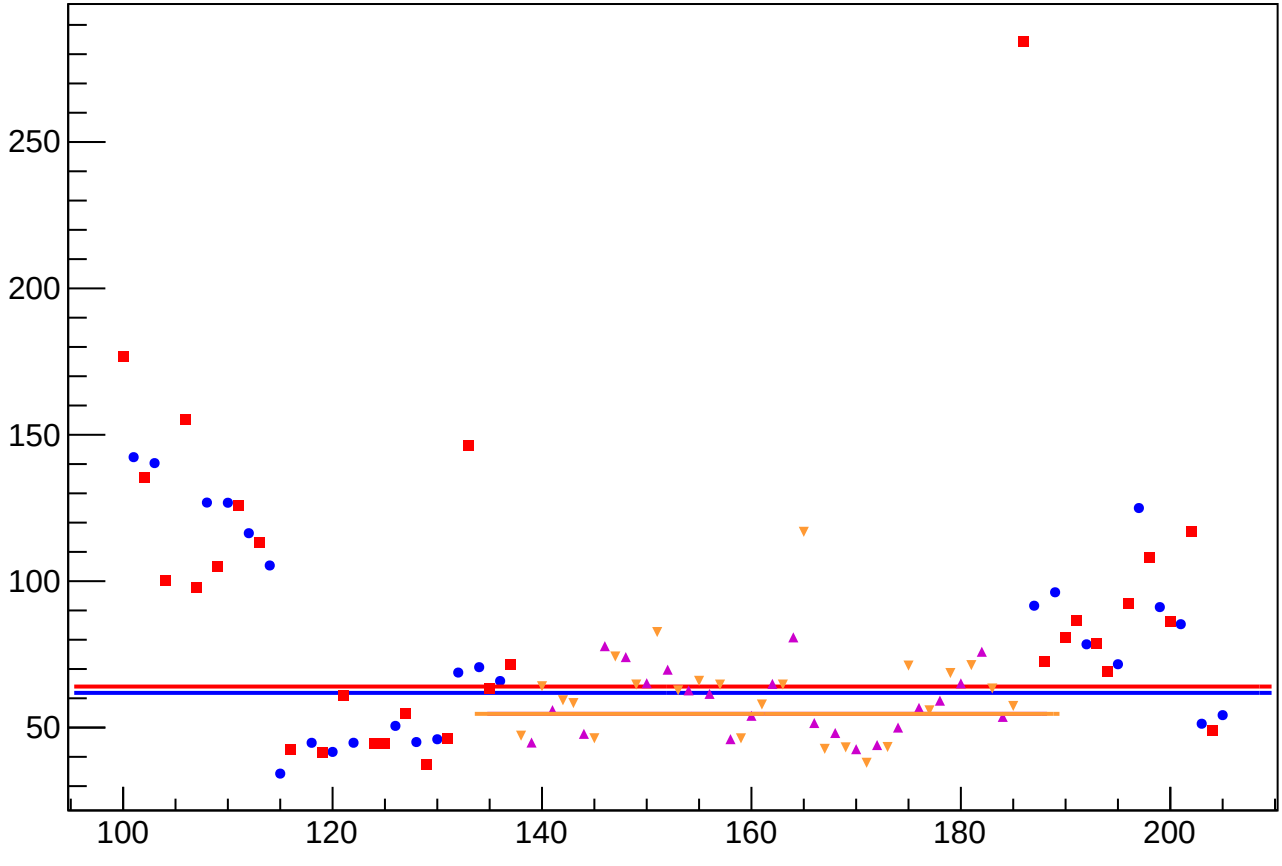
Right: 0.009+/-0.013 χ^2/NDF: 42.9/54

In: 0.014+/-0.011 χ^2/NDF:48.0/47

Out: 0.015+/-0.011 χ^2/NDF:55.6/54

All: 0.015+/-0.008 χ^2/NDF: 103.6/102

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.848+/-0.013 χ^2/NDF: 3358711.0/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278341.0/29

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

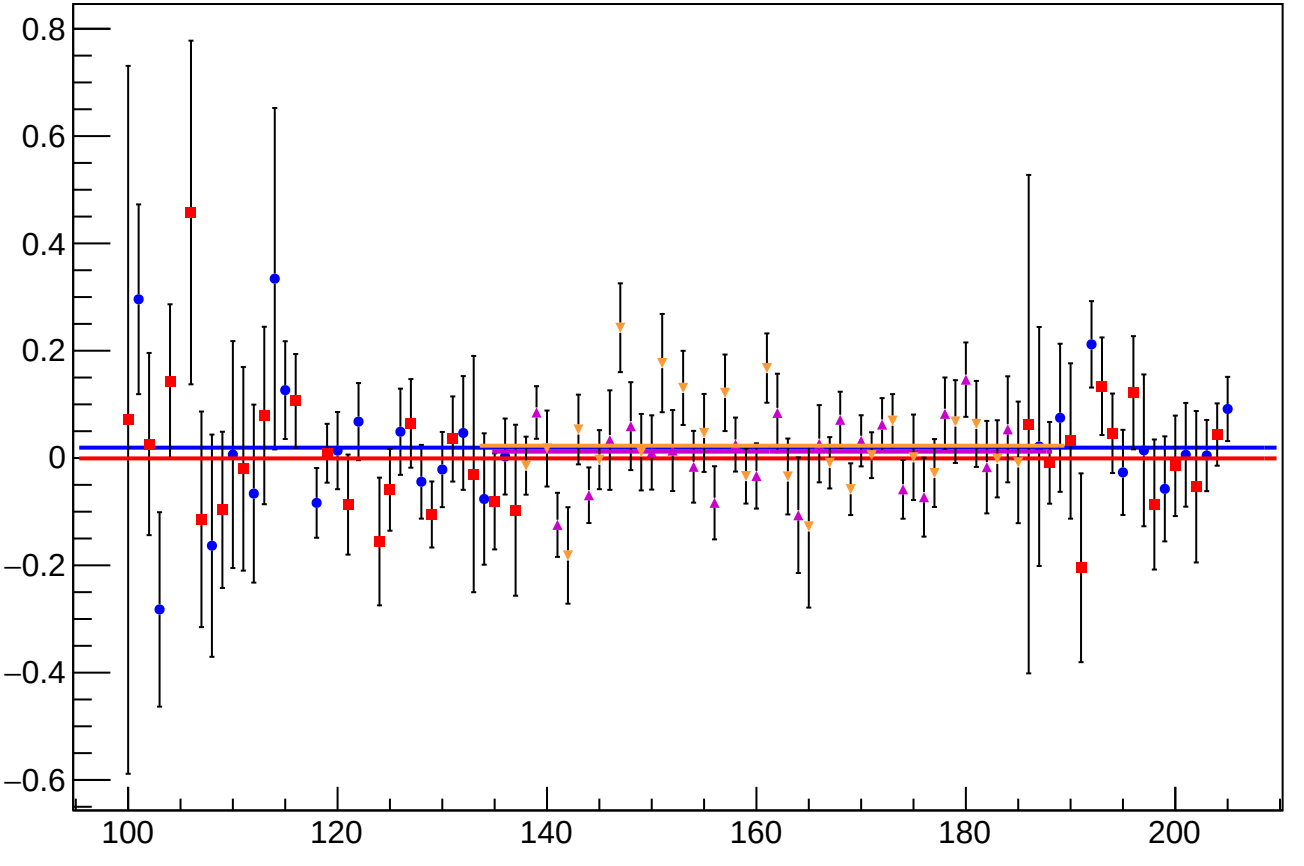
Right: 62.930+/-0.009 χ^2/NDF: 7650967.0/54

In: 57.148+/-0.008 χ^2/NDF:4749835.1/47

Out: 57.791+/-0.007 χ^2/NDF:6561157.5/54

All: 57.475+/-0.005 χ^2/NDF: 11314641.7/102

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

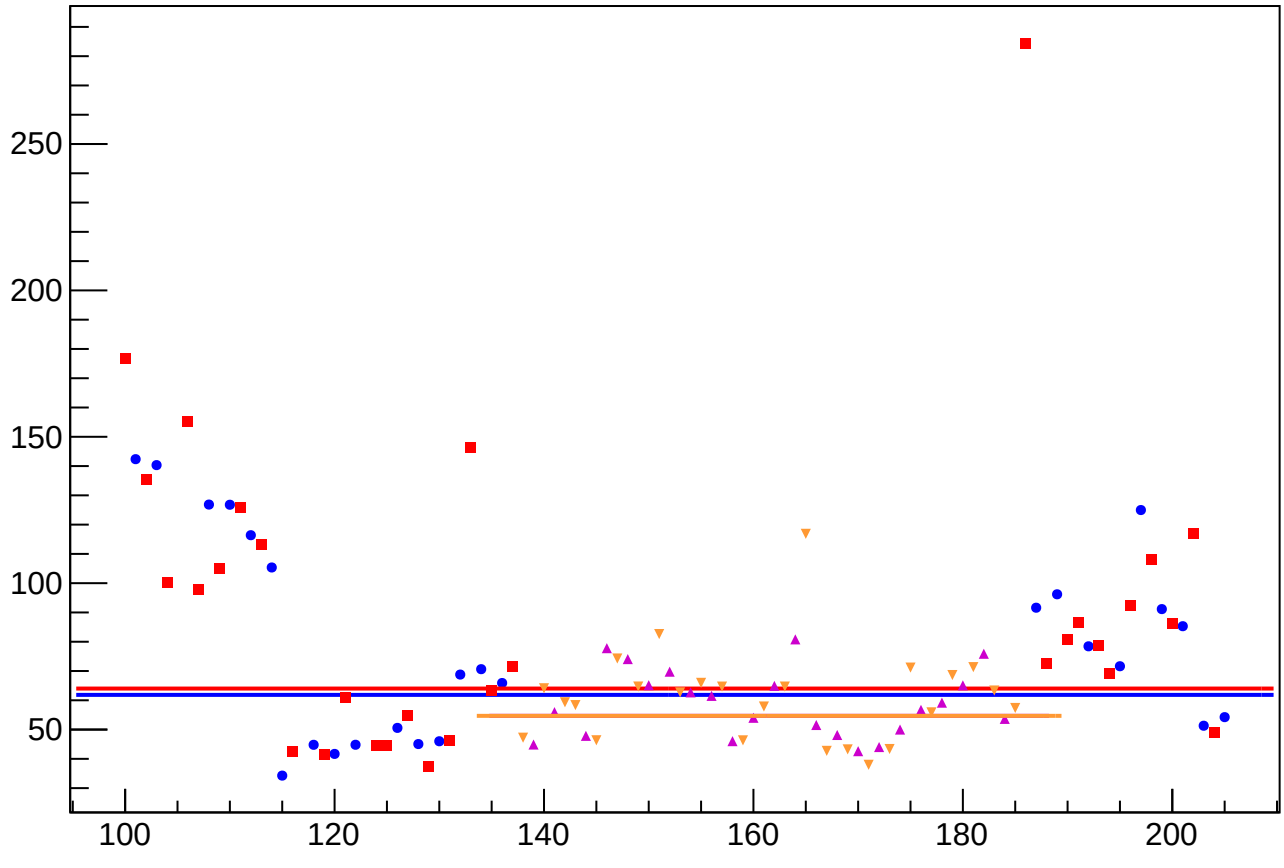
Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

Right: 0.009+/-0.013 χ^2/NDF: 42.9/54

In: 0.014+/-0.011 χ^2/NDF:48.0/47

Out: 0.015+/-0.011 χ^2/NDF:55.6/54

All: 0.015+/-0.008 χ^2/NDF: 103.6/102



Right In: 61.848+/-0.013 χ^2/NDF: 3358711.0/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278341.0/29

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

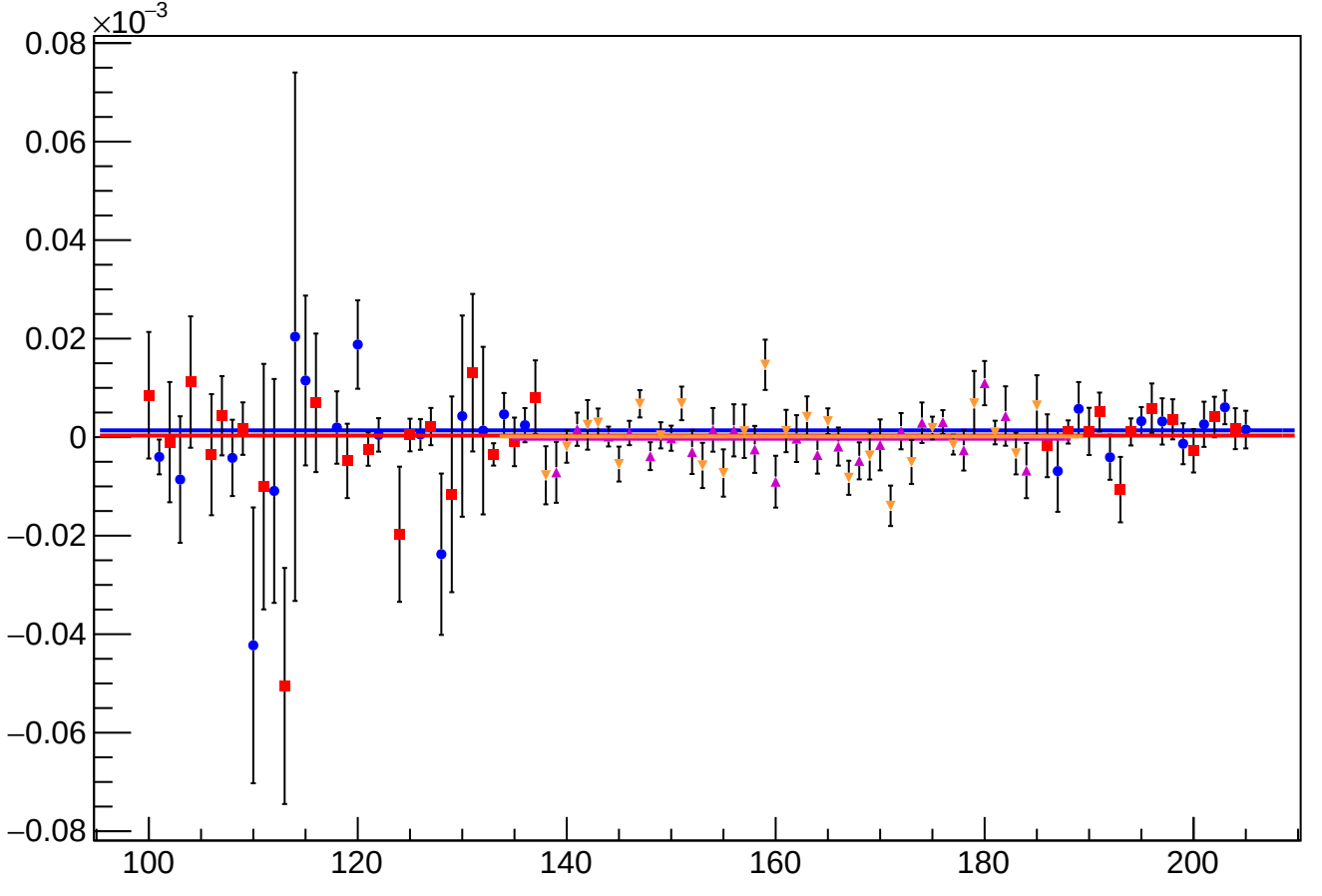
Left: 54.687+/-0.007 χ^2/NDF: 3127346.5/47

Right: 62.930+/-0.009 χ^2/NDF: 7650967.0/54

In: 57.148+/-0.008 χ^2/NDF:4749835.1/47

Out: 57.791+/-0.007 χ^2/NDF:6561157.5/54

All: 57.475+/-0.005 χ^2/NDF: 11314641.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

Left: -0.000+/-0.000 χ^2/NDF: 74.6/47

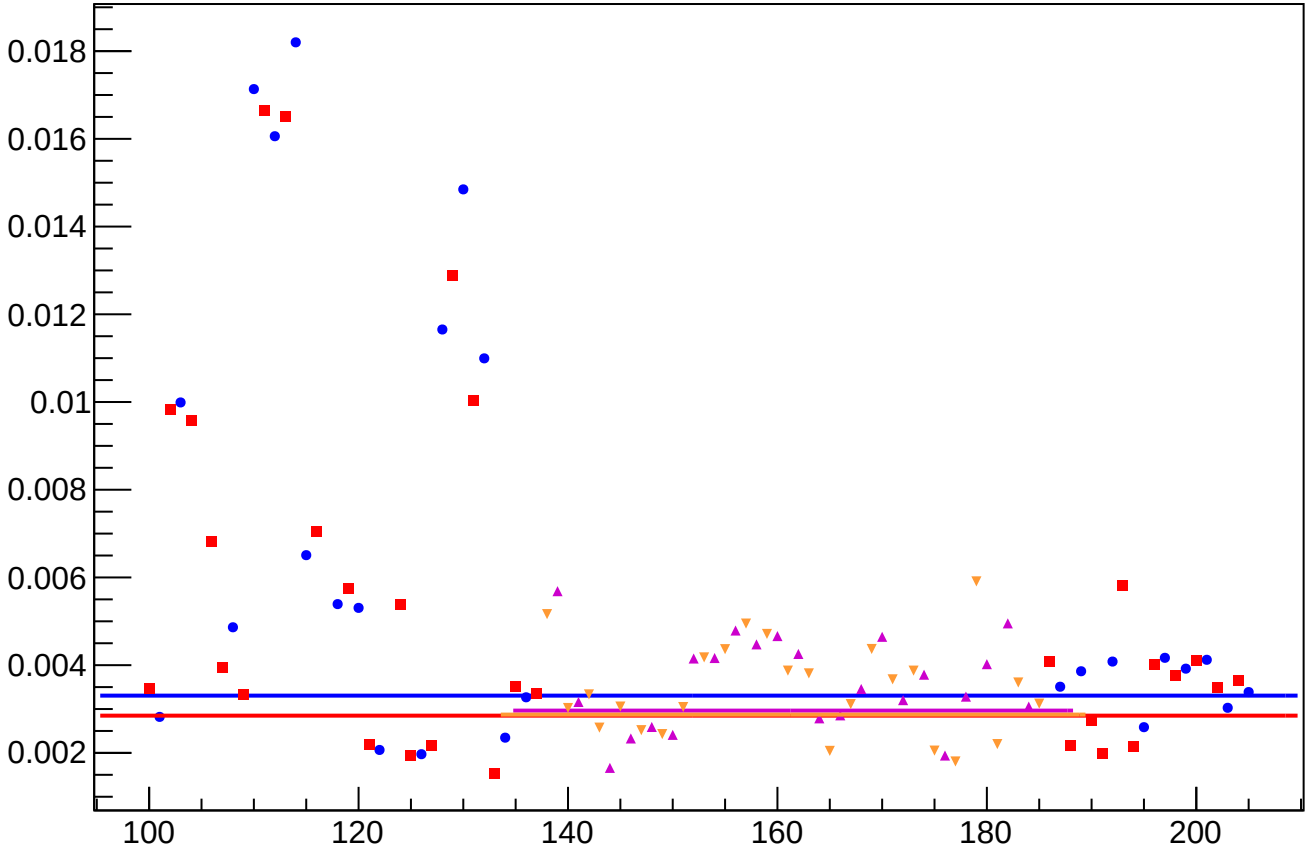
Right: 0.000+/-0.000 χ^2/NDF: 43.0/54

In: 0.000+/-0.000 χ^2/NDF:42.1/47

Out: 0.000+/-0.000 χ^2/NDF:76.5/54

All: 0.000+/-0.000 χ^2/NDF: 118.6/102

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4960248.3/24

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 6528109.4/29

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

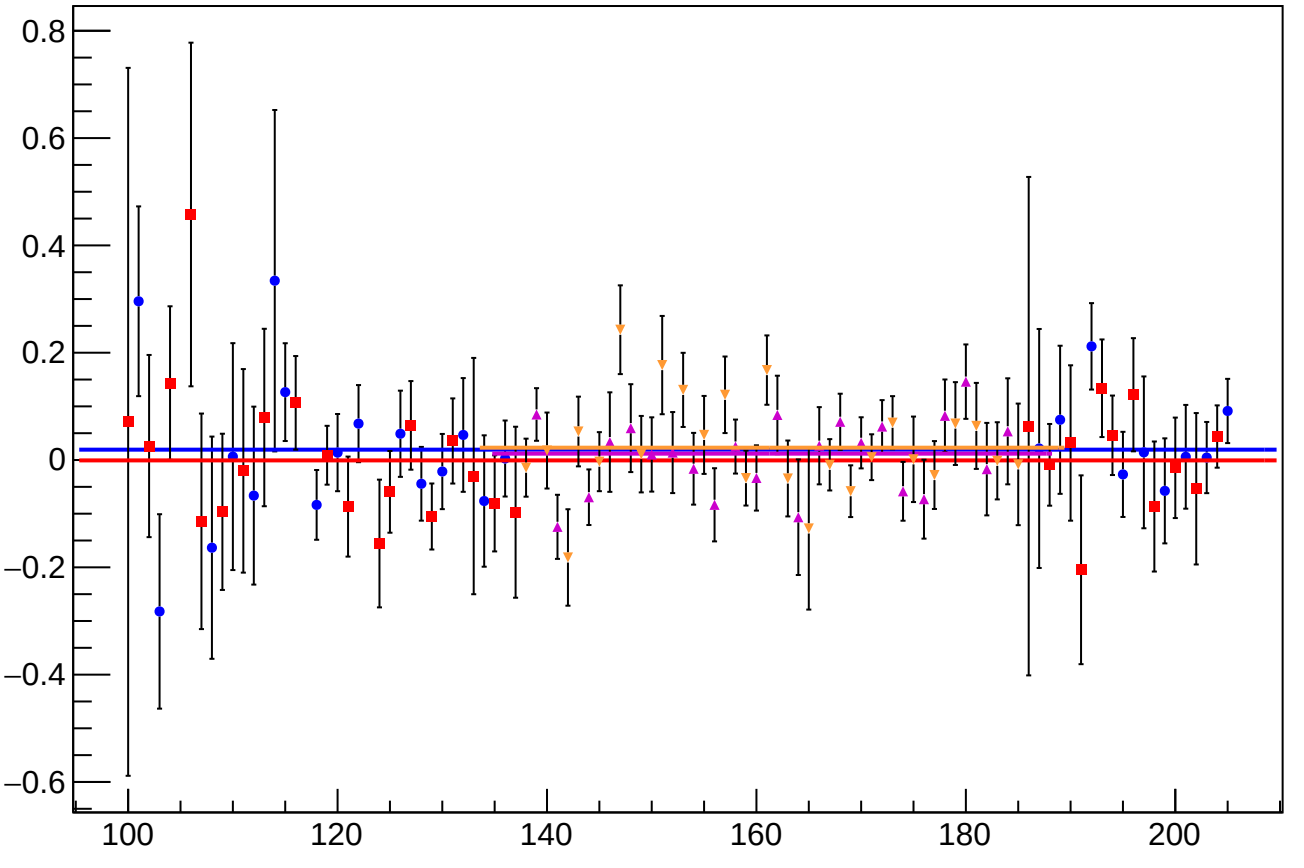
Left: 0.003+/-0.000 χ^2/NDF: 7237301.1/47

Right: 0.003+/-0.000 χ^2/NDF: 11728128.1/54

In: 0.003+/-0.000 χ^2/NDF:8728942.2/47

Out: 0.003+/-0.000 χ^2/NDF:10131411.3/54

All: 0.003+/-0.000 χ^2/NDF: 19013808.7/102



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

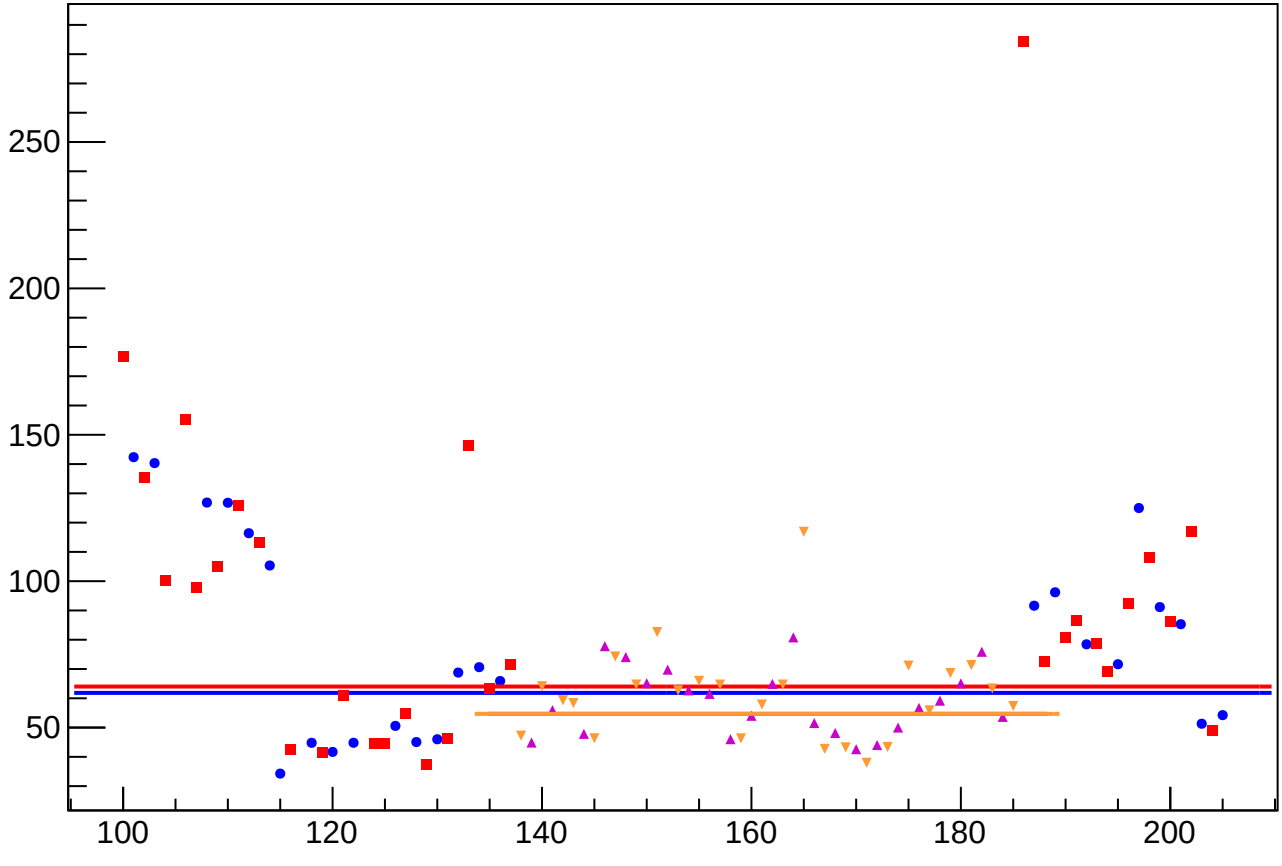
Right: 0.009+/-0.013 χ^2/NDF: 42.9/54

In: 0.014+/-0.011 χ^2/NDF:48.0/47

Out: 0.015+/-0.011 χ^2/NDF:55.6/54

All: 0.015+/-0.008 χ^2/NDF: 103.6/102

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.847+/-0.013 χ^2/NDF: 3358690.8/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278348.8/29

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

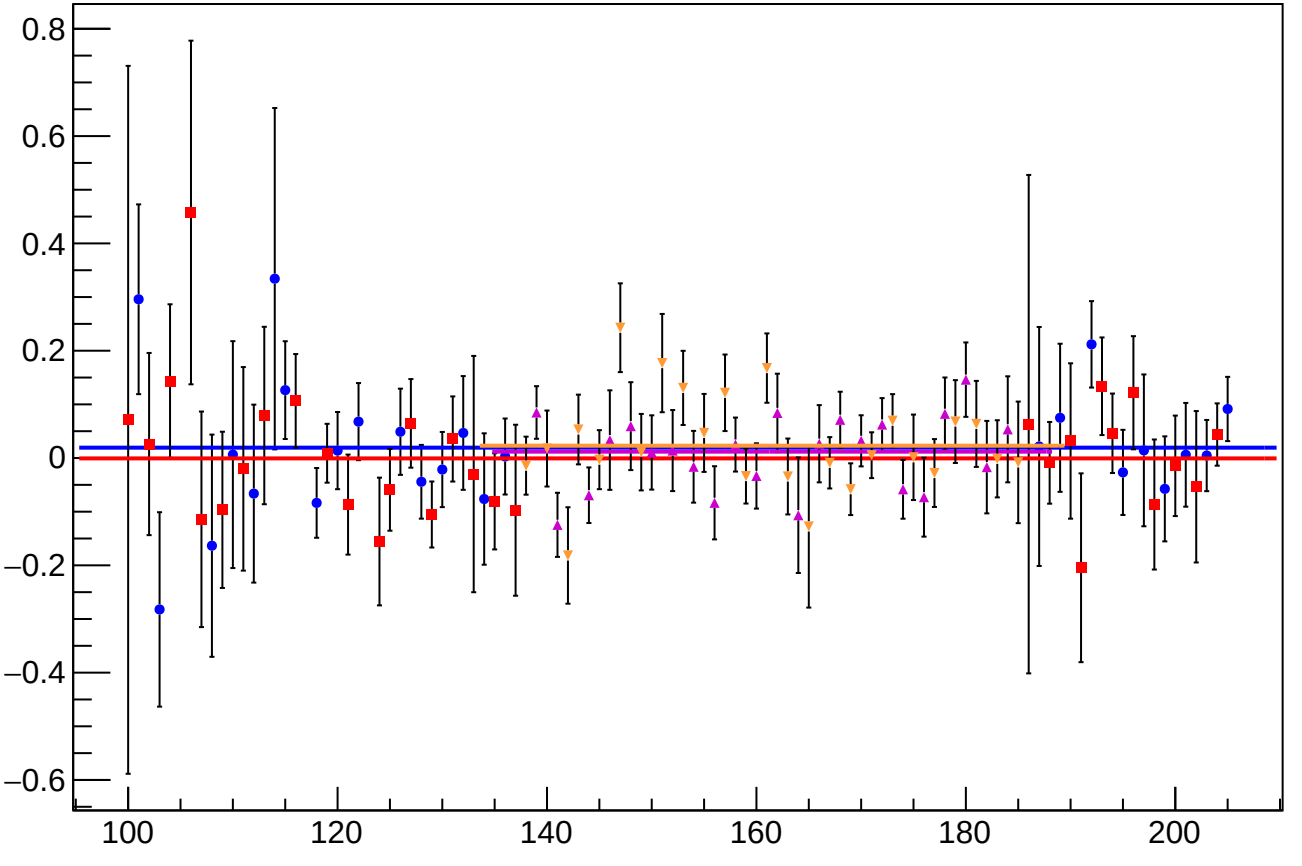
Right: 62.929+/-0.009 χ^2/NDF: 7650953.2/54

In: 57.148+/-0.008 χ^2/NDF:4749738.7/47

Out: 57.791+/-0.007 χ^2/NDF:6561103.4/54

All: 57.475+/-0.005 χ^2/NDF: 11314490.0/102

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.018 χ^2/NDF: 20.3/29

Left In: 0.012+/-0.013 χ^2/NDF:25.9/22

Left: 0.018+/-0.009 χ^2/NDF: 60.4/47

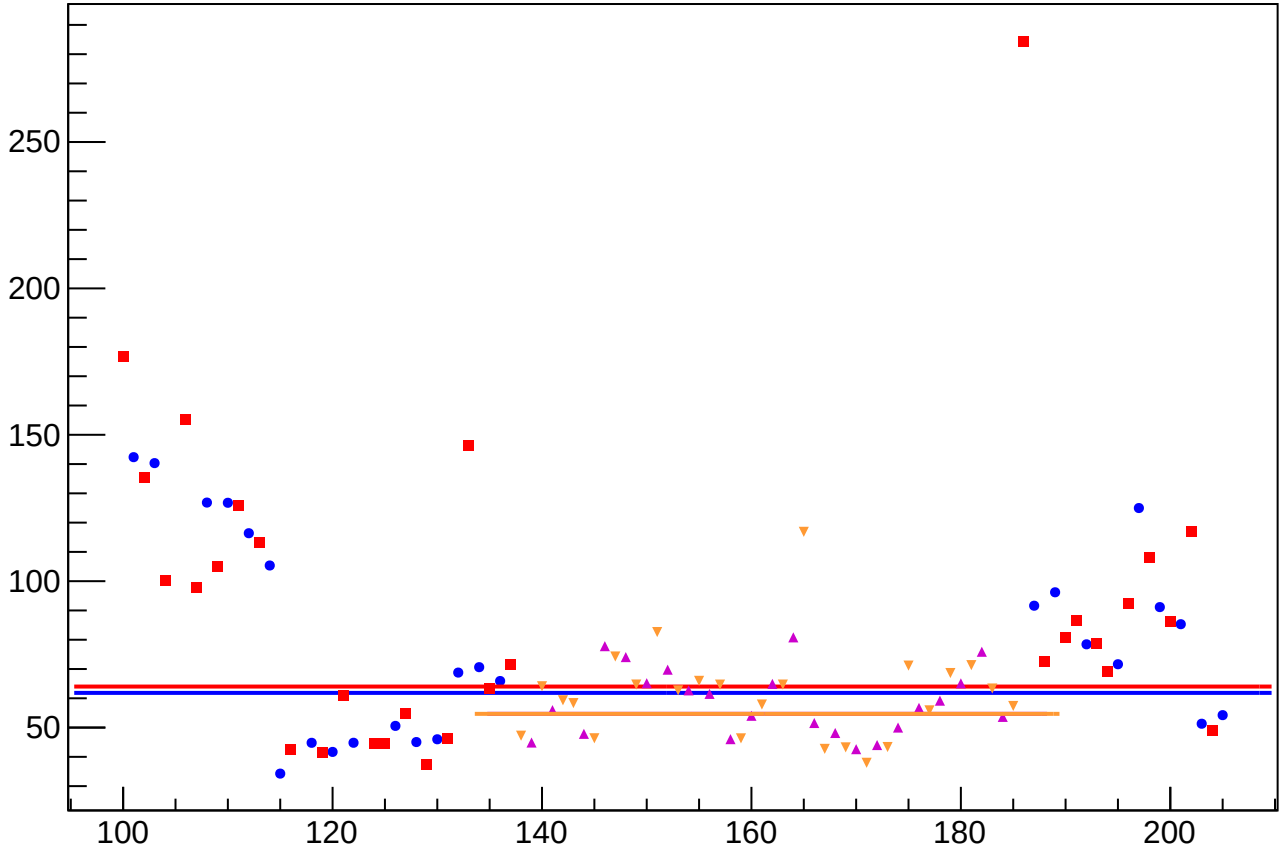
Right: 0.009+/-0.013 χ^2/NDF: 42.9/54

In: 0.014+/-0.011 χ^2/NDF:48.0/47

Out: 0.015+/-0.011 χ^2/NDF:55.6/54

All: 0.015+/-0.008 χ^2/NDF: 103.6/102

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 61.847+/-0.013 χ^2/NDF: 3358690.8/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

Right Out: 64.008+/-0.013 χ^2/NDF: 4278348.8/29

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

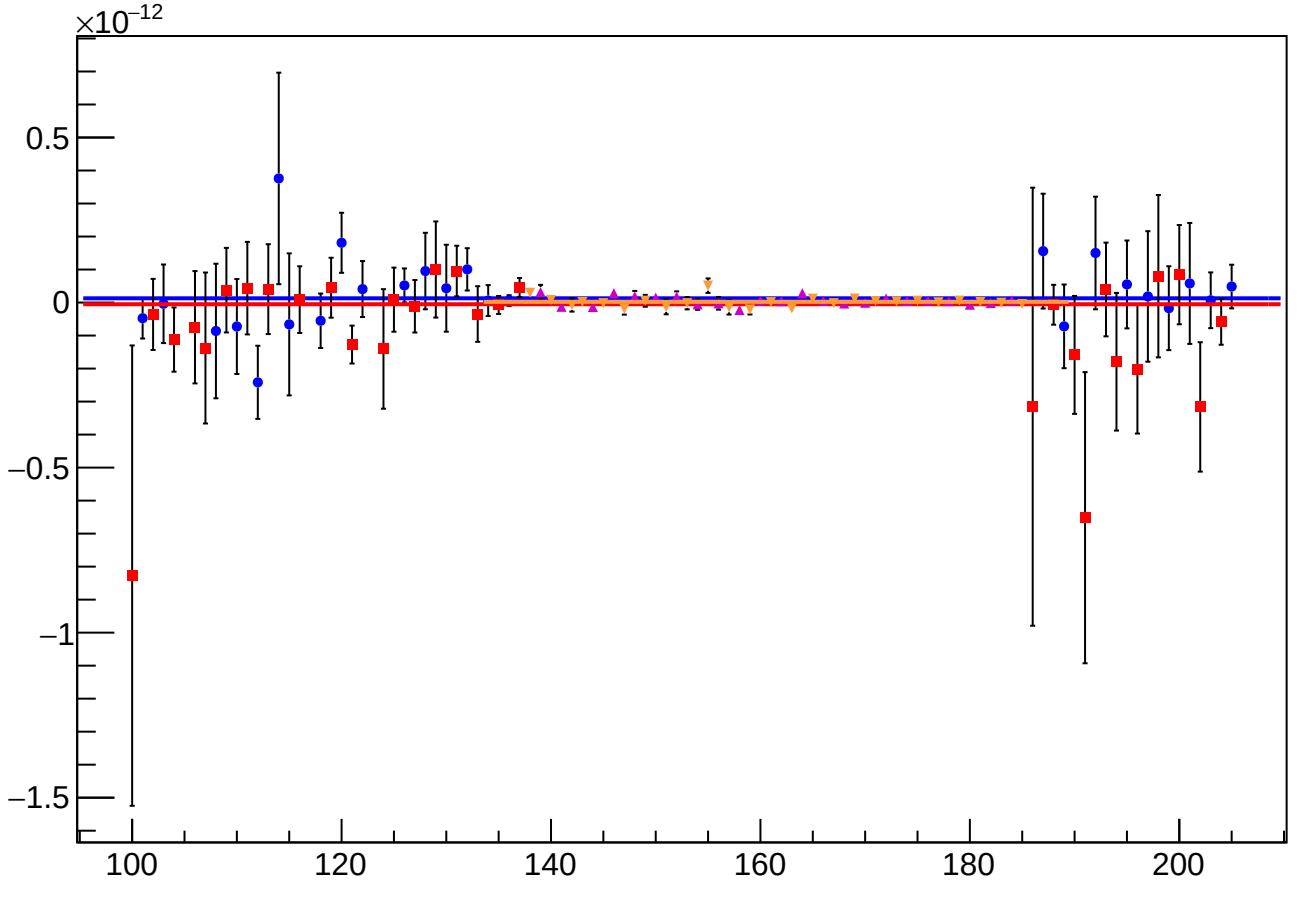
Left: 54.688+/-0.007 χ^2/NDF: 3127310.5/47

Right: 62.929+/-0.009 χ^2/NDF: 7650953.2/54

In: 57.148+/-0.008 χ^2/NDF:4749738.7/47

Out: 57.791+/-0.007 χ^2/NDF:6561103.4/54

All: 57.475+/-0.005 χ^2/NDF: 11314490.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.0/29

Left In: 0.000+/-0.000 χ^2/NDF:33.1/22

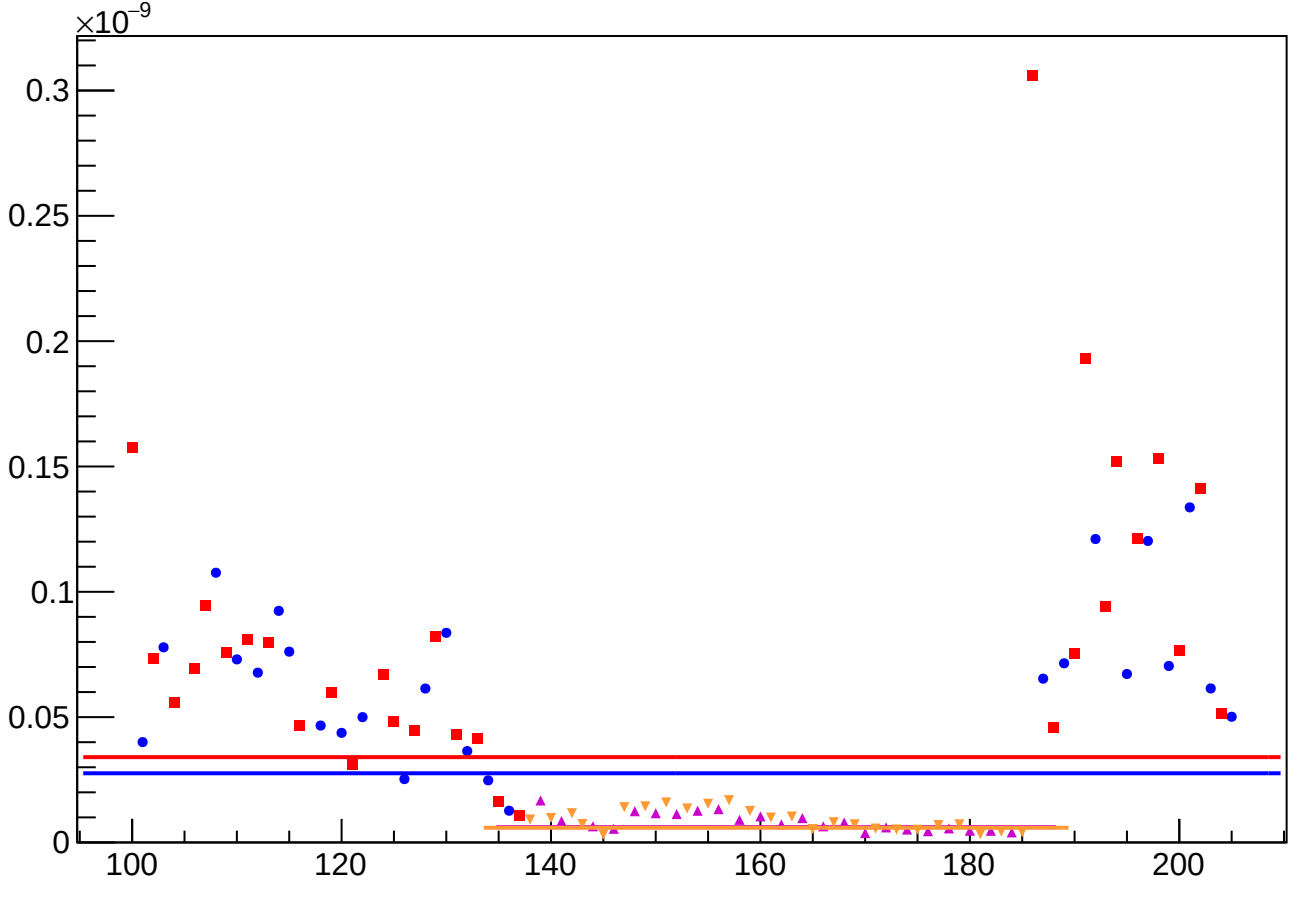
Left: 0.000+/-0.000 χ^2/NDF: 53.9/47

Right: 0.000+/-0.000 χ^2/NDF: 41.9/54

In: 0.000+/-0.000 χ^2/NDF:51.7/47

Out: 0.000+/-0.000 χ^2/NDF:43.9/54

All: 0.000+/-0.000 χ^2/NDF: 95.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 6988080.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7632007.8/29

Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

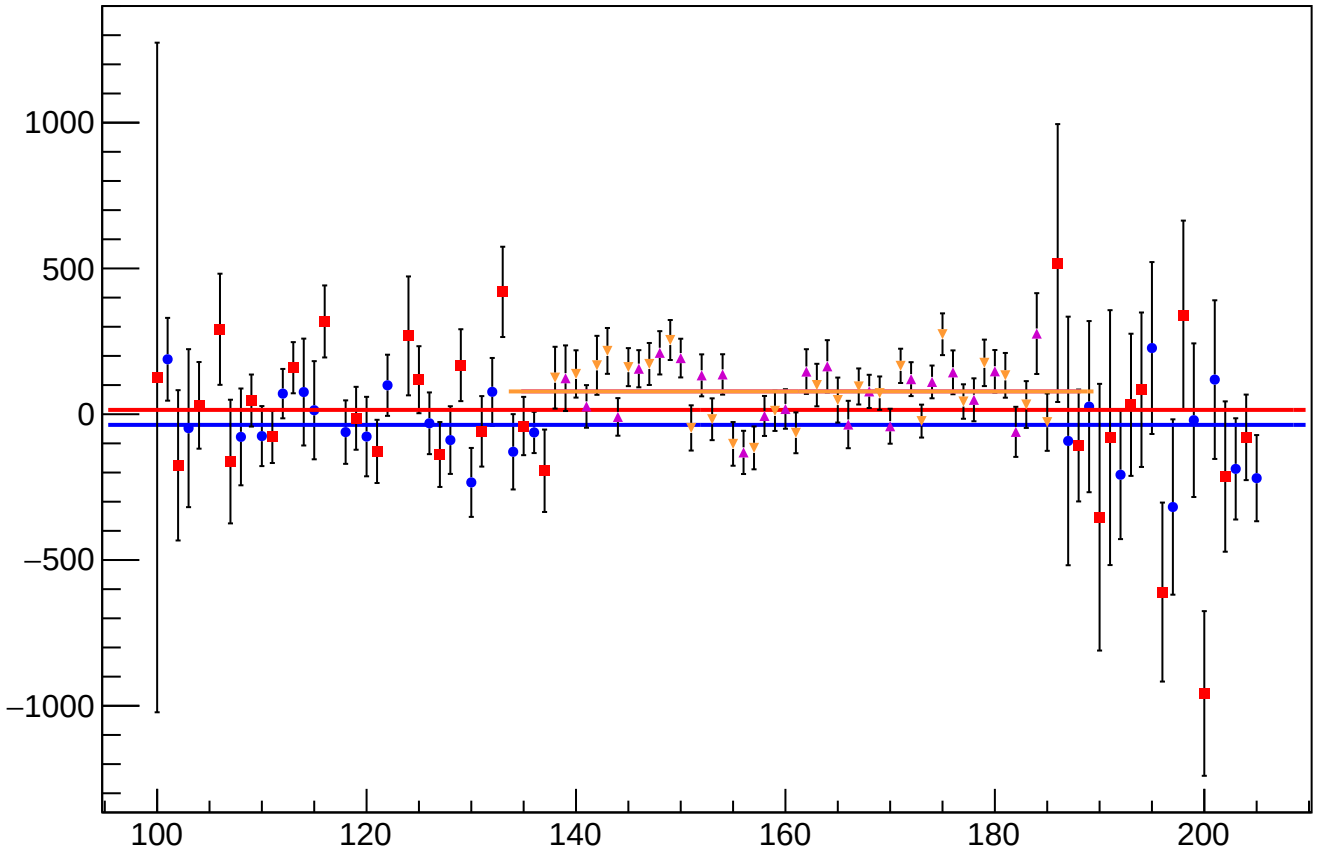
Left: 0.000+/-0.000 χ^2/NDF: 8861543.6/47

Right: 0.000+/-0.000 χ^2/NDF: 14852506.8/54

In: 0.000+/-0.000 χ^2/NDF:16264518.4/47

Out: 0.000+/-0.000 χ^2/NDF:20773673.5/54

All: 0.000+/-0.000 χ^2/NDF: 37066175.6/102



Right In: -36.521+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.836+/-26.707 χ^2/NDF: 51.1/29

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

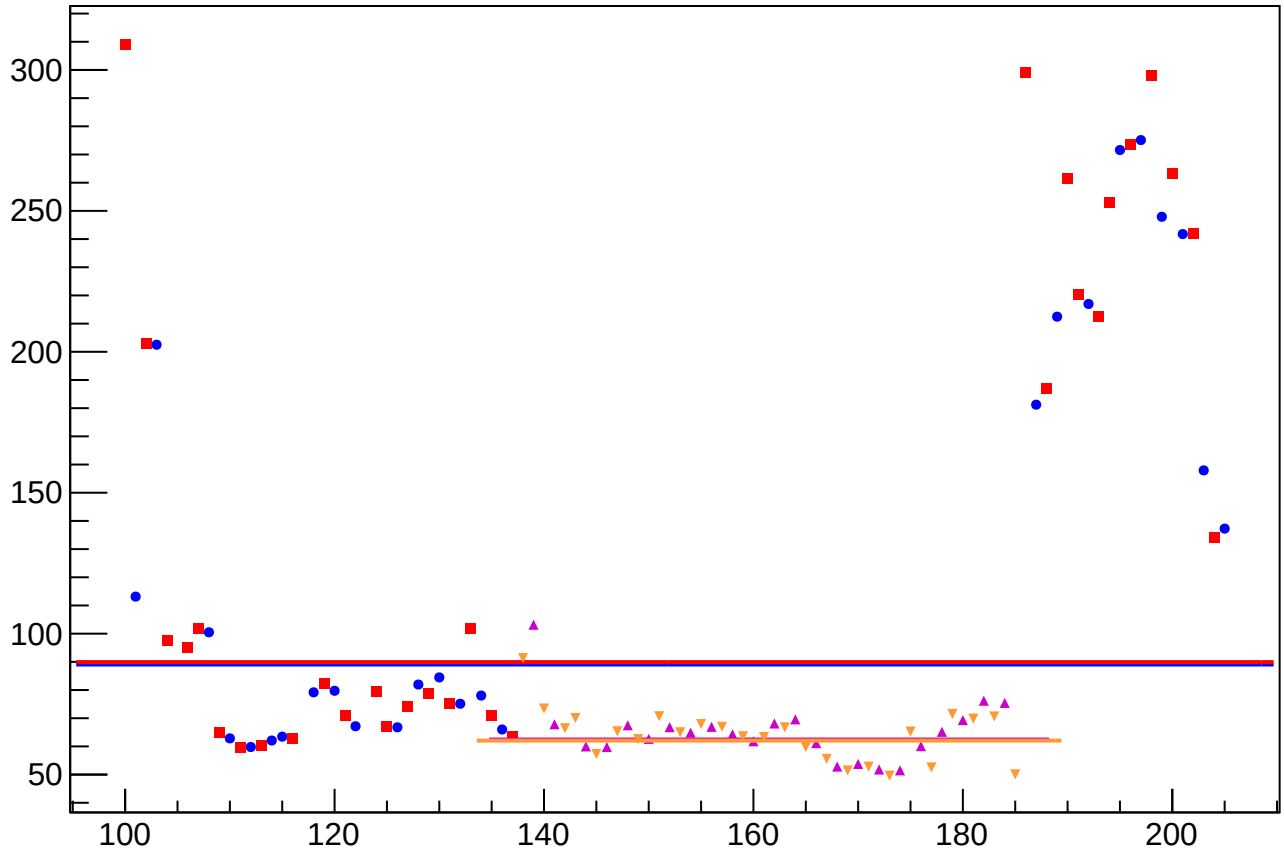
Left: 78.327+/-10.297 χ^2/NDF: 90.5/47

Right: -10.484+/-19.016 χ^2/NDF: 69.1/54

In: 52.024+/-12.995 χ^2/NDF:66.7/47

Out: 64.011+/-12.624 χ^2/NDF:109.4/54

All: 58.191+/-9.055 χ^2/NDF: 176.5/102



Right In: 89.056+/-0.019 χ^2/NDF: 5880288.6/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.919+/-0.019 χ^2/NDF: 7363784.9/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

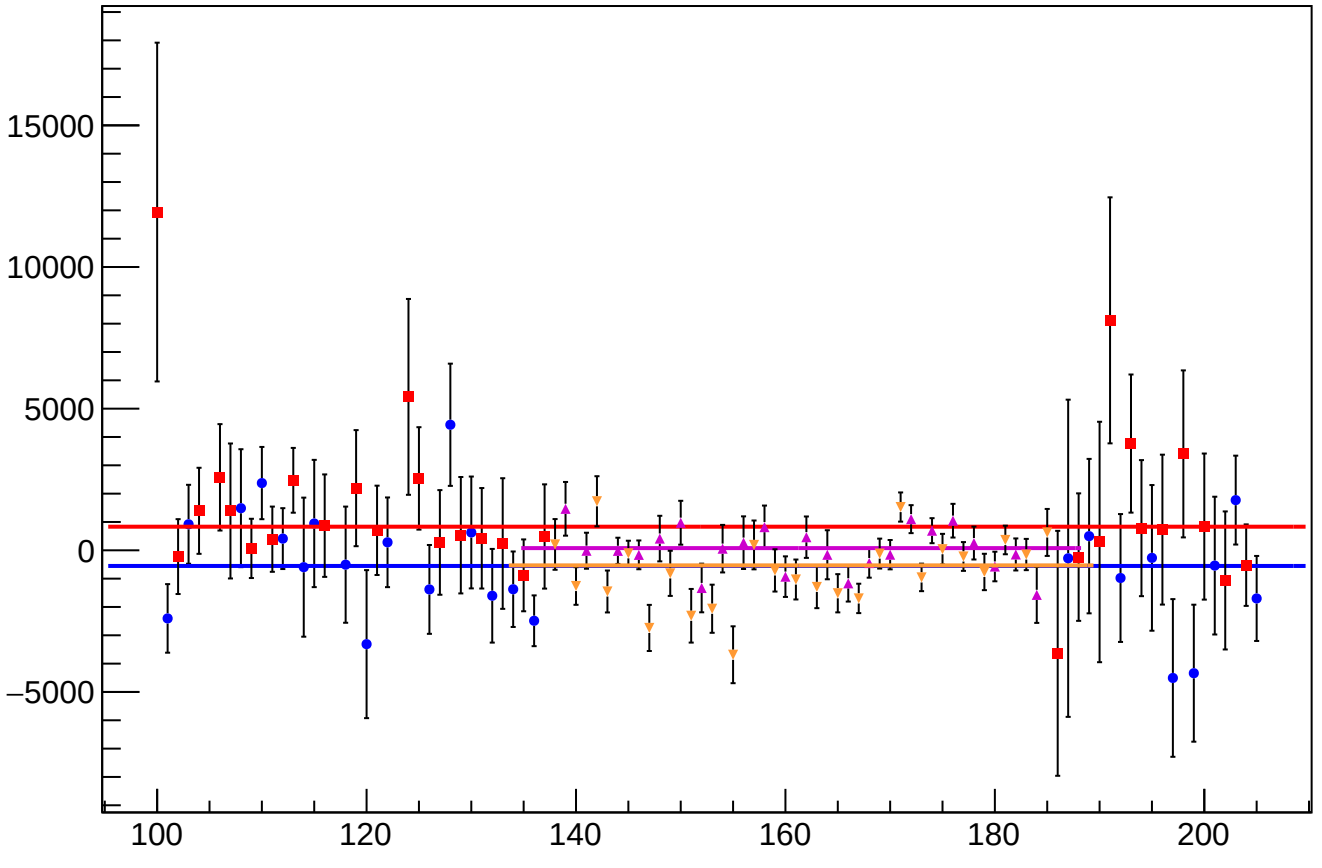
Left: 62.248+/-0.007 χ^2/NDF: 1351864.4/47

Right: 89.494+/-0.013 χ^2/NDF: 13245103.7/54

In: 68.572+/-0.009 χ^2/NDF:8031275.6/47

Out: 68.287+/-0.009 χ^2/NDF:9739978.2/54

All: 68.425+/-0.006 χ^2/NDF: 17771749.3/102



Right In: -552.408+/-334.380 χ^2/NDF: 31.2/24

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: 833.284+/-333.732 χ^2/NDF: 20.9/29

Left In: 77.393+/-130.317 χ^2/NDF:28.4/22

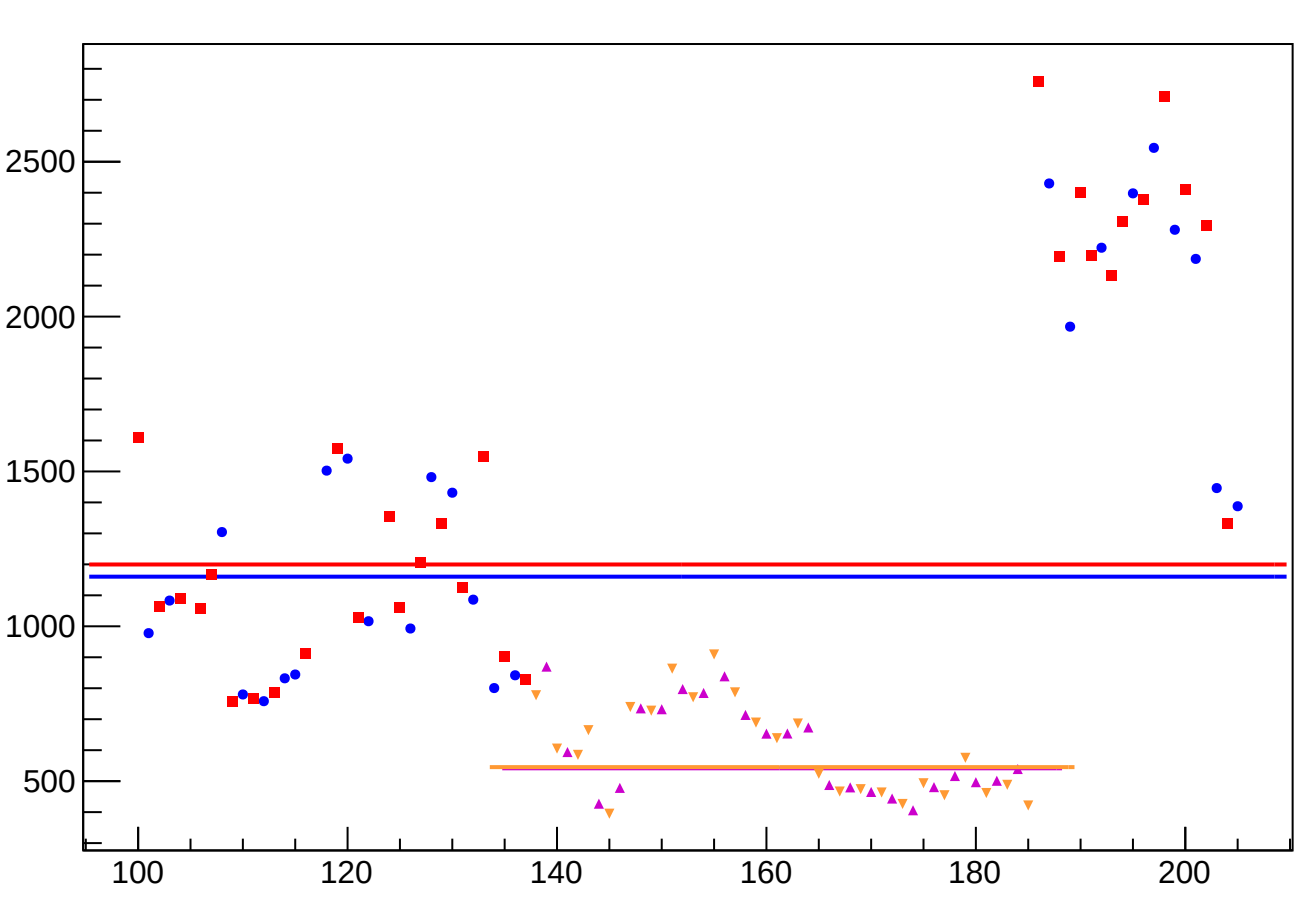
Left: -233.341+/-91.291 χ^2/NDF: 108.6/47

Right: 141.782+/-236.213 χ^2/NDF: 60.7/54

In: -5.653+/-121.422 χ^2/NDF:62.6/47

Out: -357.771+/-119.451 χ^2/NDF:104.6/54

All: -184.592+/-85.153 χ^2/NDF: 171.5/102



Right In: 1160.267+/-0.236 χ^2/NDF: 3793754.9/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1199.600+/-0.236 χ^2/NDF: 4775782.6/29

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

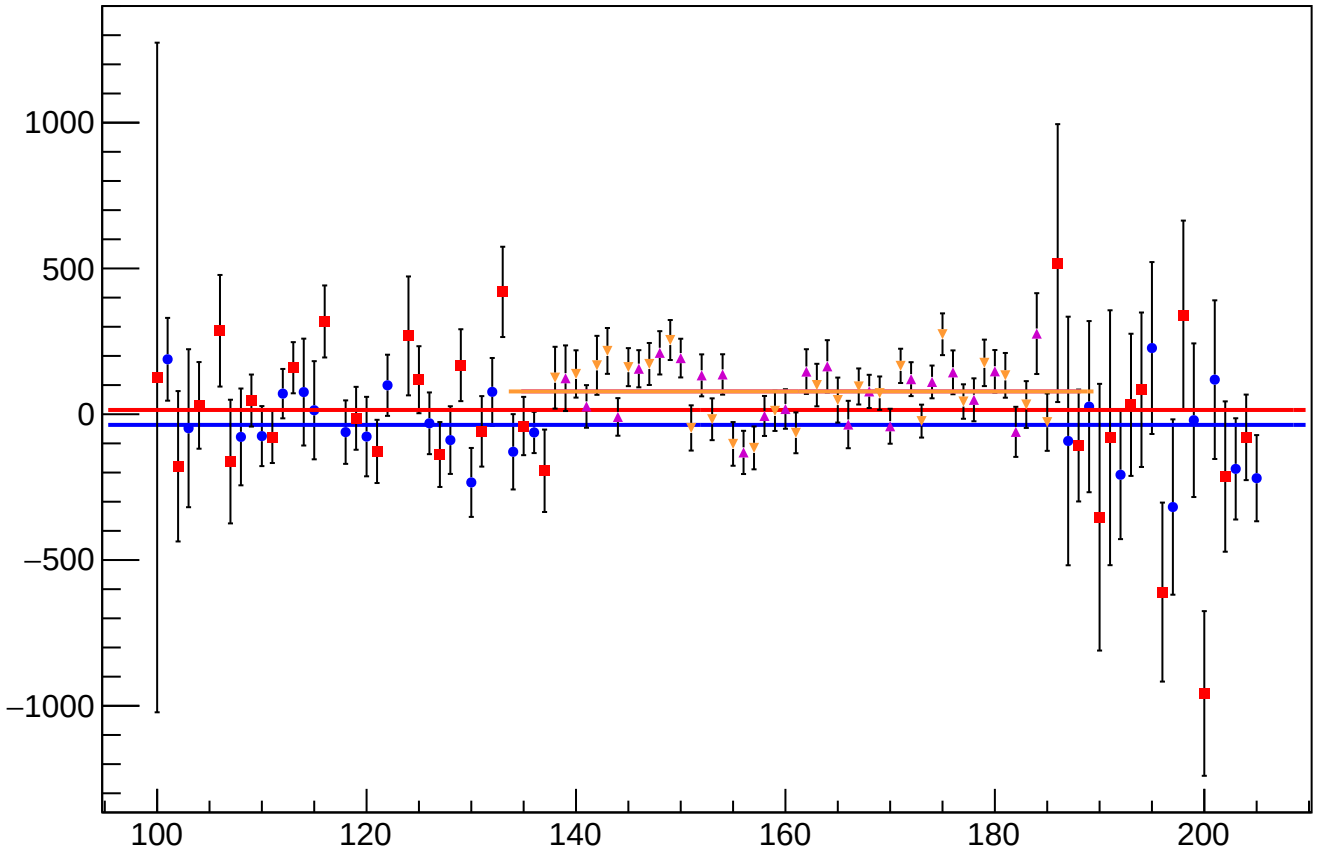
Left: 543.417+/-0.065 χ^2/NDF: 3924920.4/47

Right: 1179.972+/-0.167 χ^2/NDF: 8583400.9/54

In: 623.054+/-0.086 χ^2/NDF:11580492.5/47

Out: 629.127+/-0.084 χ^2/NDF:13562082.6/54

All: 626.140+/-0.060 χ^2/NDF: 25145117.4/10



Right In: -36.529+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.657+/-26.710 χ^2/NDF: 51.0/29

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

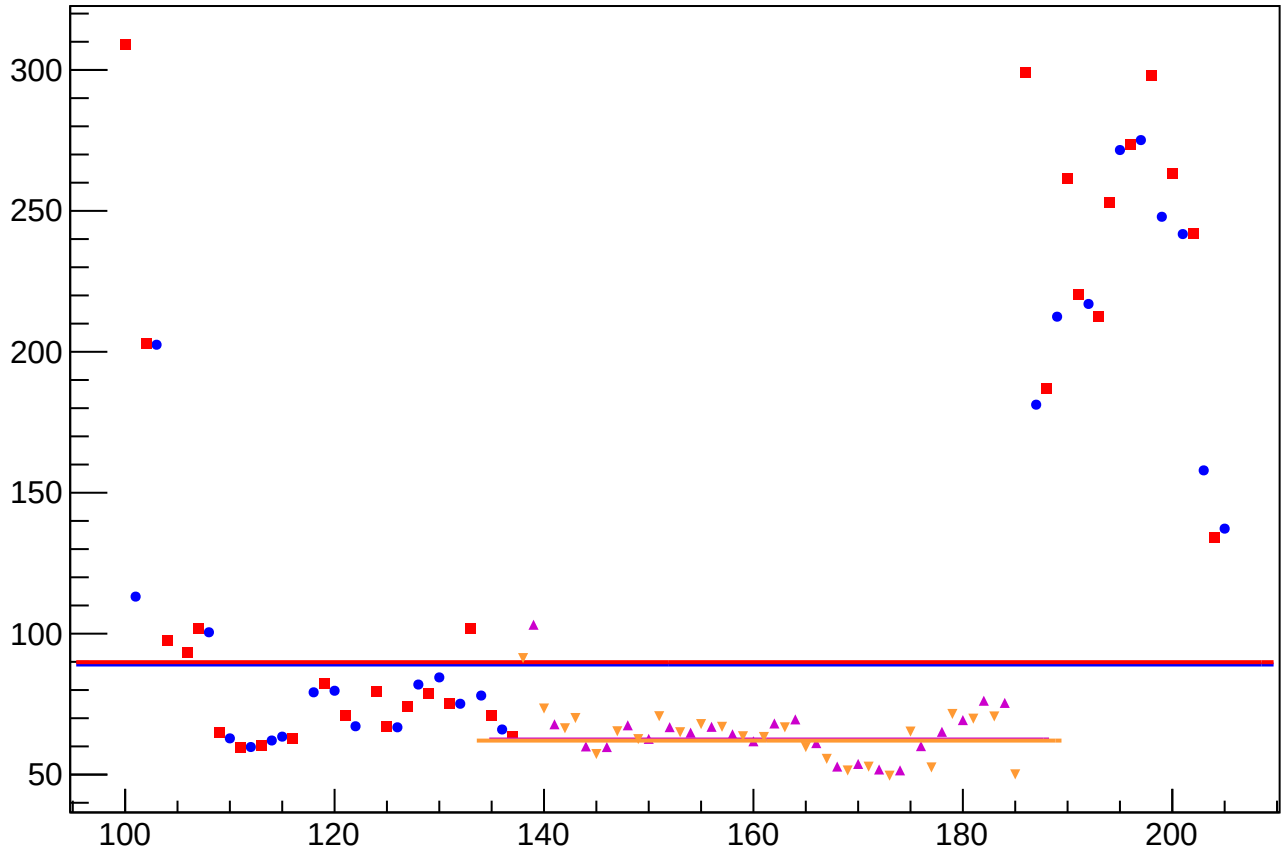
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -10.581+/-19.017 χ^2/NDF: 69.0/54

In: 52.022+/-12.995 χ^2/NDF:66.7/47

Out: 63.975+/-12.624 χ^2/NDF:109.3/54

All: 58.171+/-9.055 χ^2/NDF: 176.4/102



Right In: 89.056+/-0.019 χ^2/NDF: 5880290.9/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.885+/-0.019 χ^2/NDF: 7363201.7/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

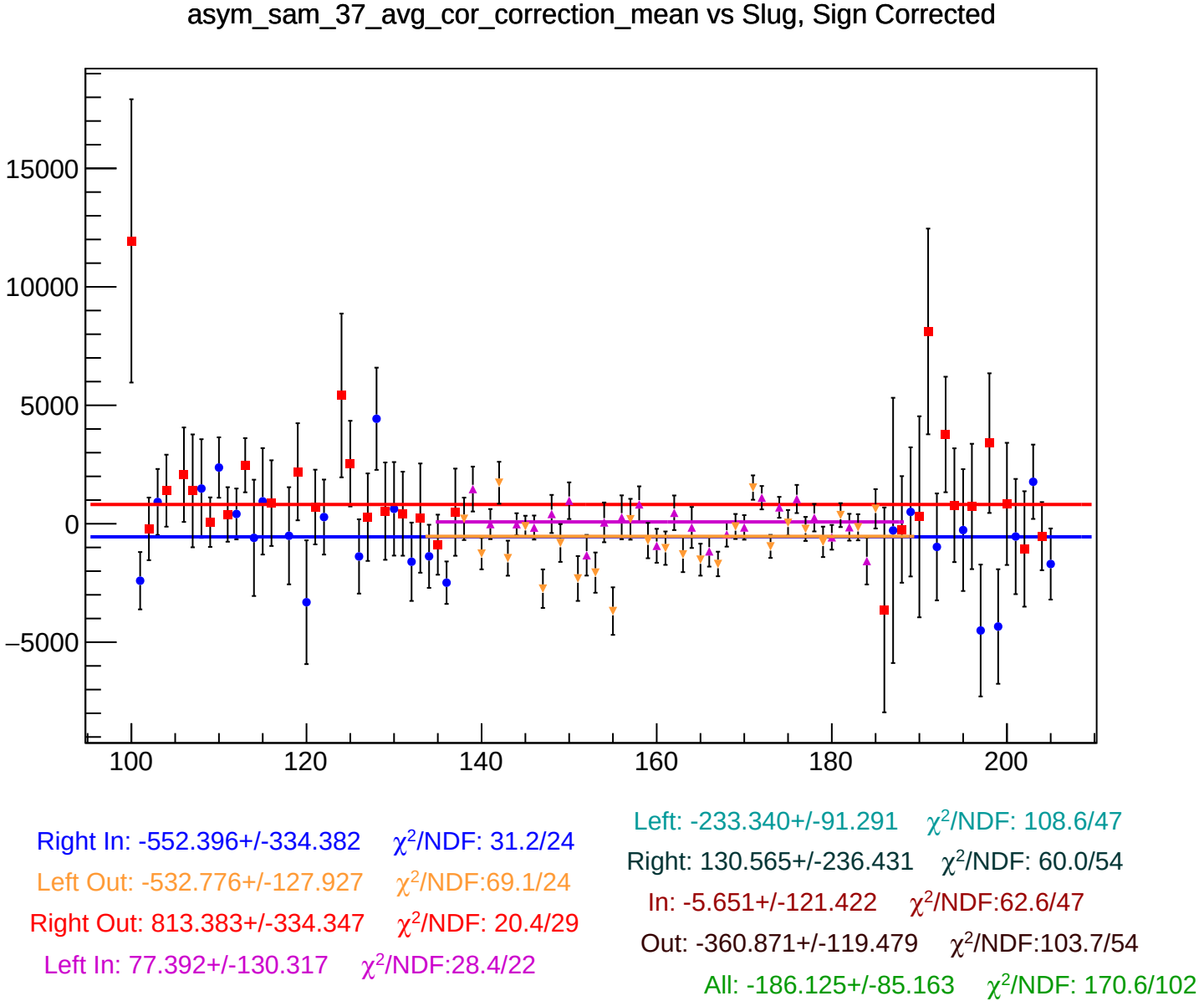
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

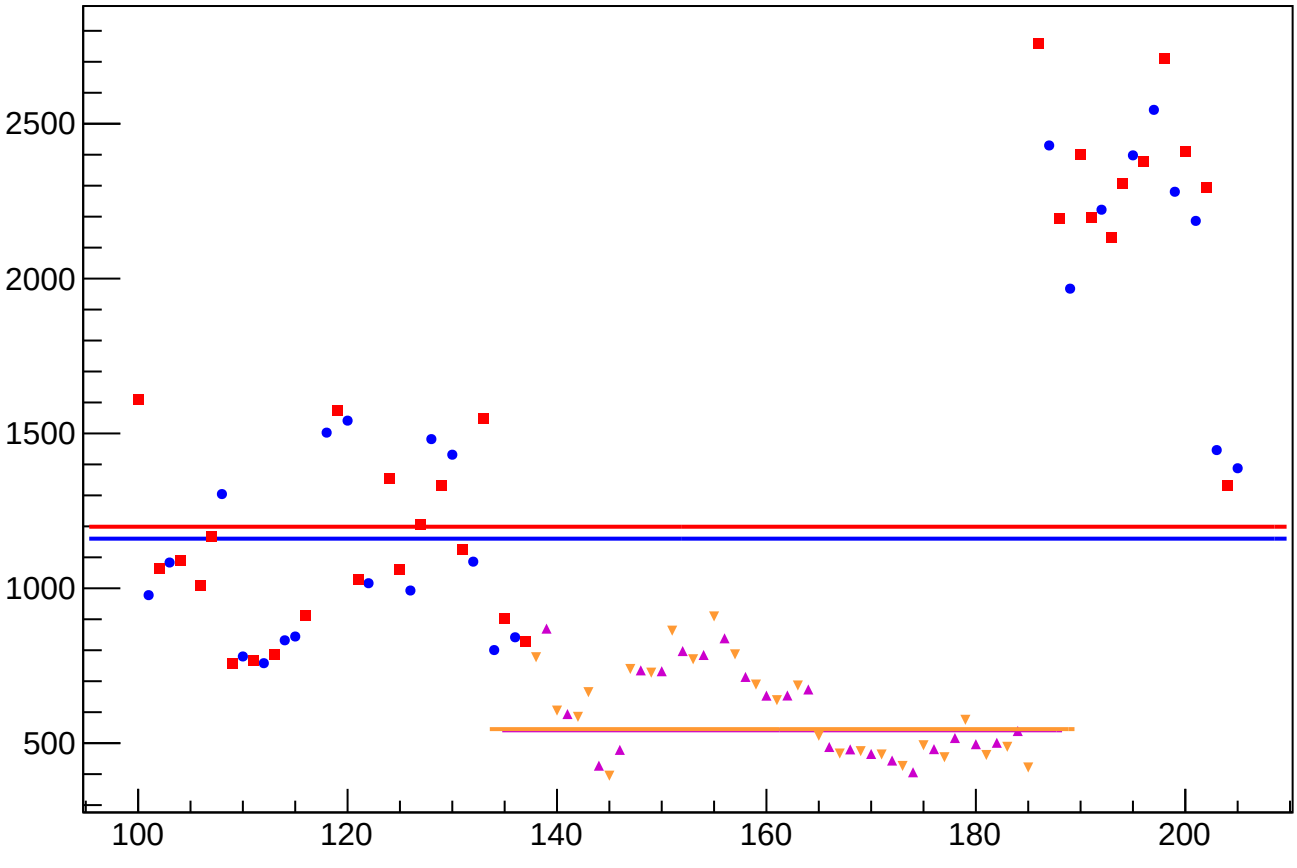
Right: 89.476+/-0.013 χ^2/NDF: 13244443.1/54

In: 68.572+/-0.009 χ^2/NDF:8031277.6/47

Out: 68.278+/-0.009 χ^2/NDF:9735038.0/54

All: 68.421+/-0.006 χ^2/NDF: 17766840.9/102


asym_sam_37_avg_cor_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -552.396+/-334.382 χ²/NDF: 31.2/24
Left Out: -532.776+/-127.927 χ²/NDF:69.1/24
Right Out: 813.383+/-334.347 χ²/NDF: 20.4/29
Left In: 77.392+/-130.317 χ²/NDF:28.4/22
Left: -233.340+/-91.291 χ²/NDF: 108.6/47
Right: 130.565+/-236.431 χ²/NDF: 60.0/54
In: -5.651+/-121.422 χ²/NDF:62.6/47
Out: -360.871+/-119.479 χ²/NDF:103.7/54
All: -186.125+/-85.163 χ²/NDF: 170.6/102



Right In: 1160.274+/-0.236 χ^2/NDF: 3793741.3/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1198.820+/-0.236 χ^2/NDF: 4782257.9/29

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

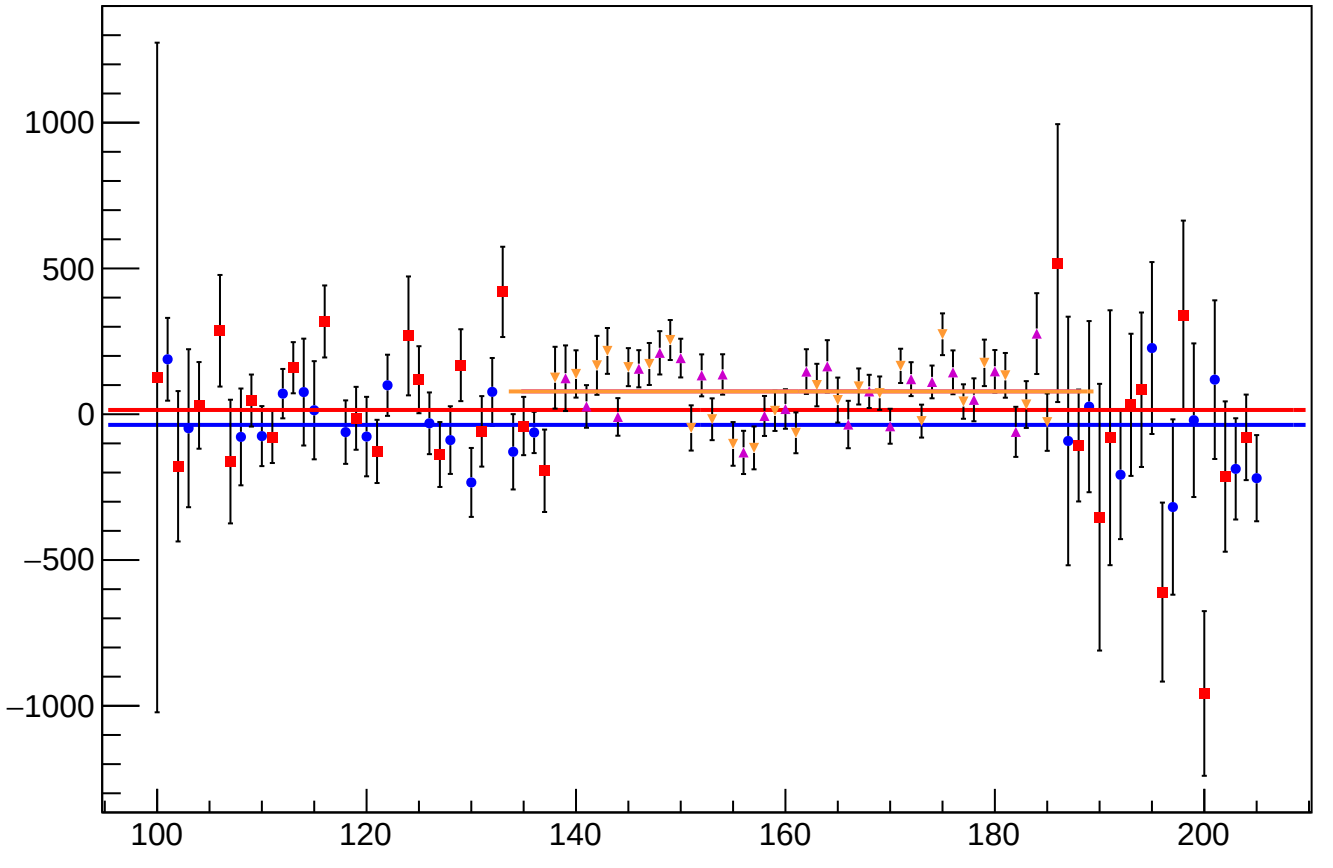
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1179.549+/-0.167 χ^2/NDF: 8589288.6/54

In: 623.054+/-0.086 χ^2/NDF:11580549.5/47

Out: 628.758+/-0.084 χ^2/NDF:13531150.1/54

All: 625.952+/-0.060 χ^2/NDF: 25113942.2/10



Right In: -36.529+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 14.657+/-26.710 χ^2/NDF: 51.0/29

Left In: 78.506+/-14.811 χ^2/NDF:36.7/22

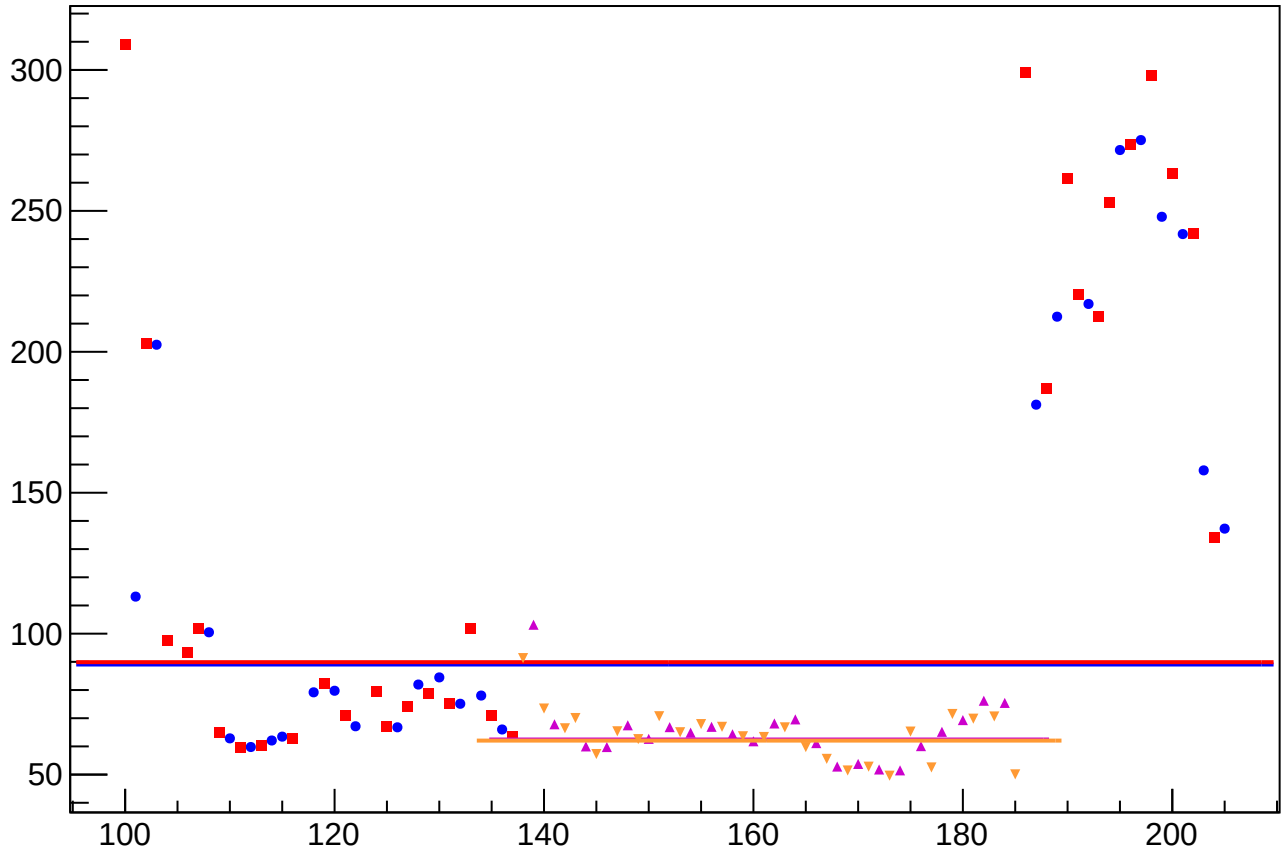
Left: 78.329+/-10.297 χ^2/NDF: 90.5/47

Right: -10.581+/-19.017 χ^2/NDF: 69.0/54

In: 52.022+/-12.995 χ^2/NDF:66.7/47

Out: 63.975+/-12.624 χ^2/NDF:109.3/54

All: 58.171+/-9.055 χ^2/NDF: 176.4/102



Right In: 89.056+/-0.019 χ^2/NDF: 5880290.9/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 89.885+/-0.019 χ^2/NDF: 7363201.7/29

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

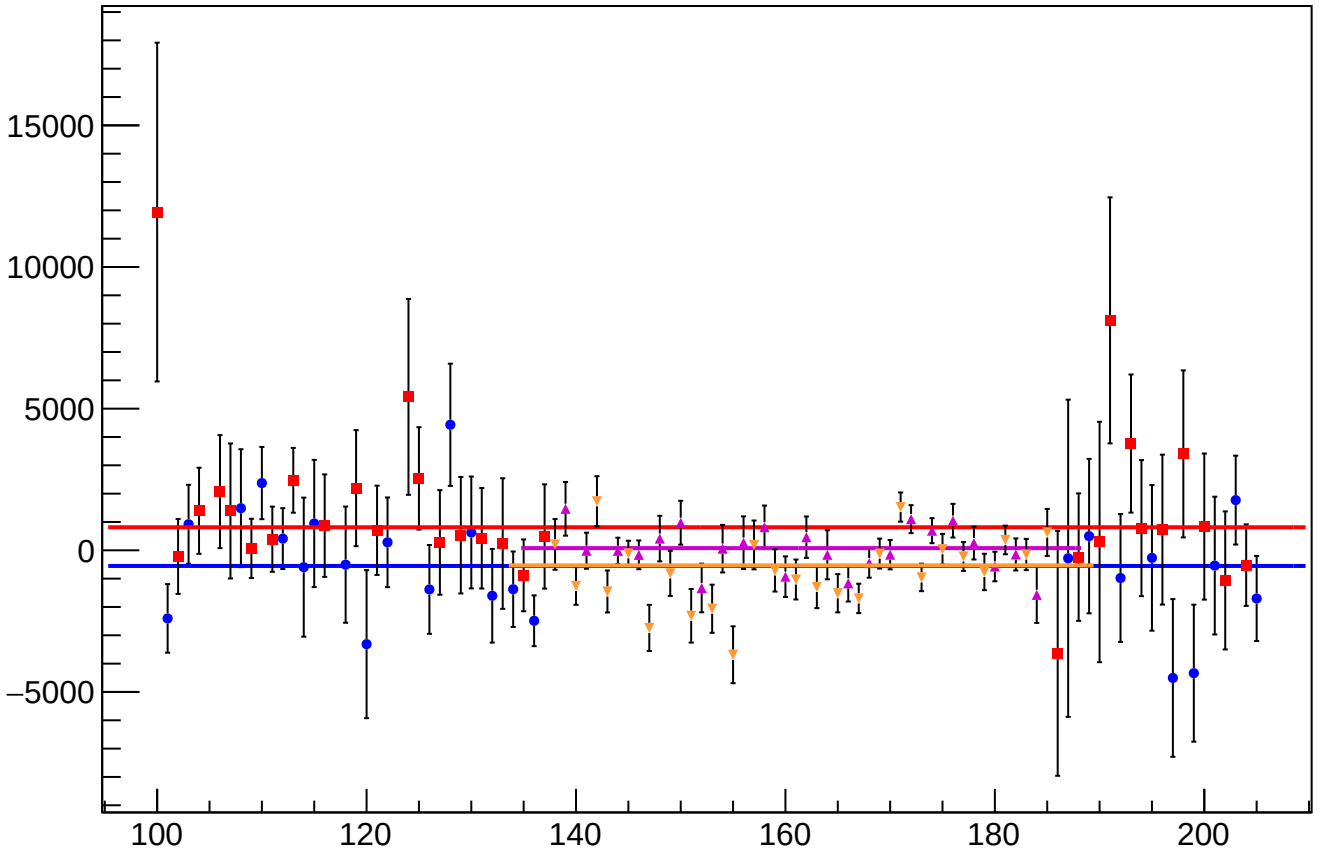
Left: 62.248+/-0.007 χ^2/NDF: 1351864.3/47

Right: 89.476+/-0.013 χ^2/NDF: 13244443.1/54

In: 68.572+/-0.009 χ^2/NDF:8031277.6/47

Out: 68.278+/-0.009 χ^2/NDF:9735038.0/54

All: 68.421+/-0.006 χ^2/NDF: 17766840.9/102



Right In: -552.396+/-334.382 χ^2/NDF: 31.2/24

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: 813.383+/-334.347 χ^2/NDF: 20.4/29

Left In: 77.392+/-130.317 χ^2/NDF:28.4/22

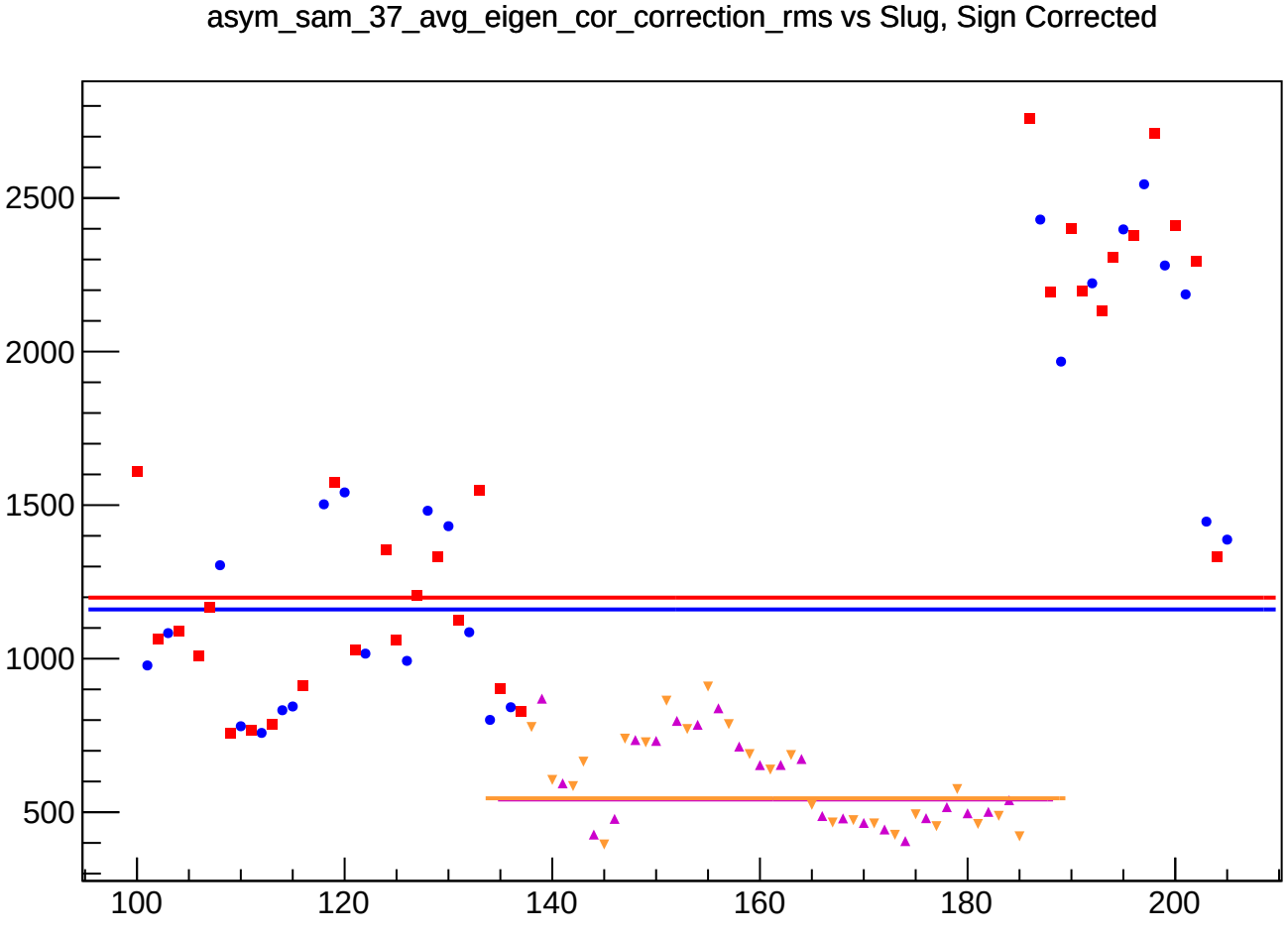
Left: -233.340+/-91.291 χ^2/NDF: 108.6/47

Right: 130.565+/-236.431 χ^2/NDF: 60.0/54

In: -5.651+/-121.422 χ^2/NDF:62.6/47

Out: -360.871+/-119.479 χ^2/NDF:103.7/54

All: -186.125+/-85.163 χ^2/NDF: 170.6/102



Right In: 1160.274+/-0.236 χ^2/NDF: 3793741.3/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1198.820+/-0.236 χ^2/NDF: 4782257.9/29

Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

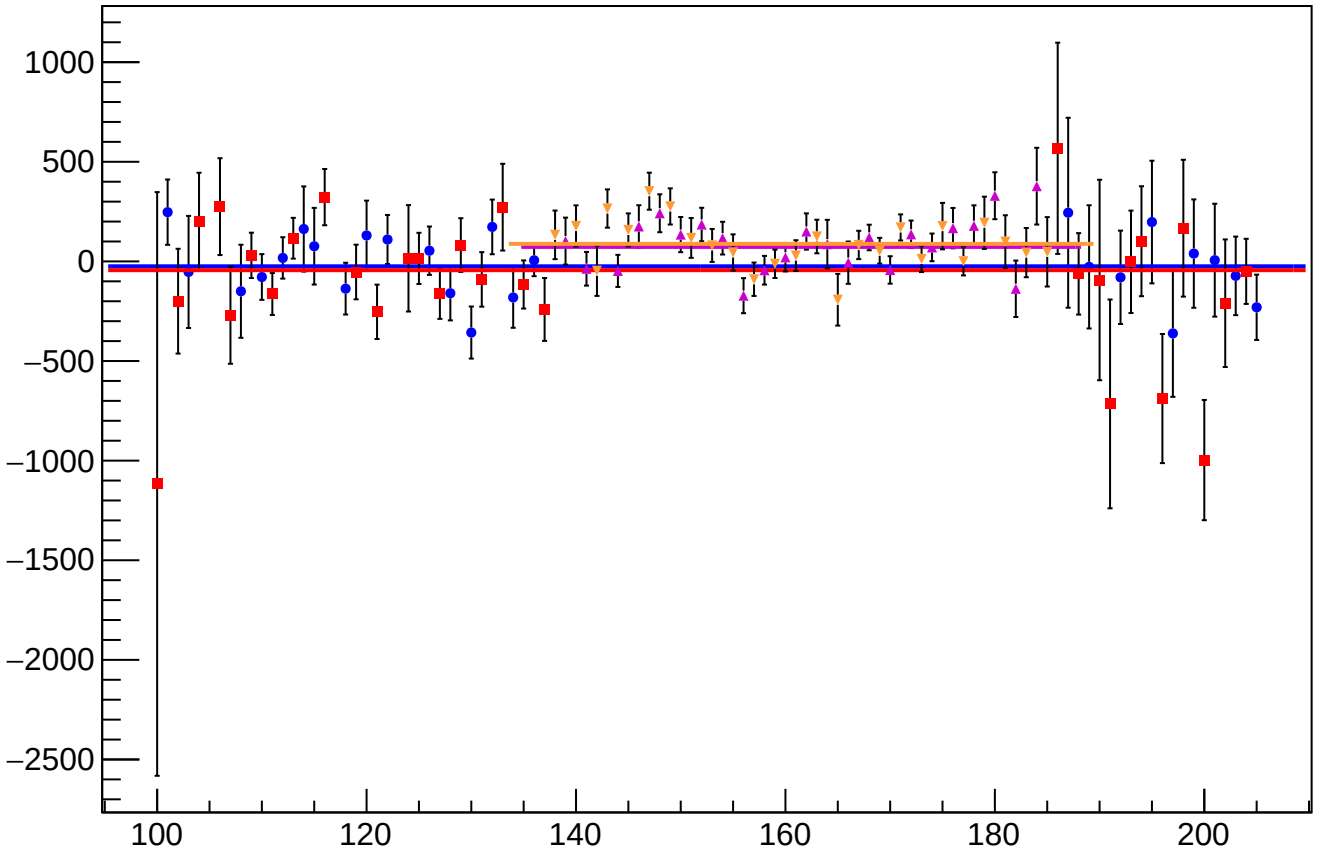
Left: 543.417+/-0.065 χ^2/NDF: 3924916.2/47

Right: 1179.549+/-0.167 χ^2/NDF: 8589288.6/54

In: 623.054+/-0.086 χ^2/NDF:11580549.5/47

Out: 628.758+/-0.084 χ^2/NDF:13531150.1/54

All: 625.952+/-0.060 χ^2/NDF: 25113942.2/10



Right In: -24.601+/-31.315 χ^2/NDF: 22.0/24

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -44.083+/-31.609 χ^2/NDF: 41.7/29

Left In: 72.849+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

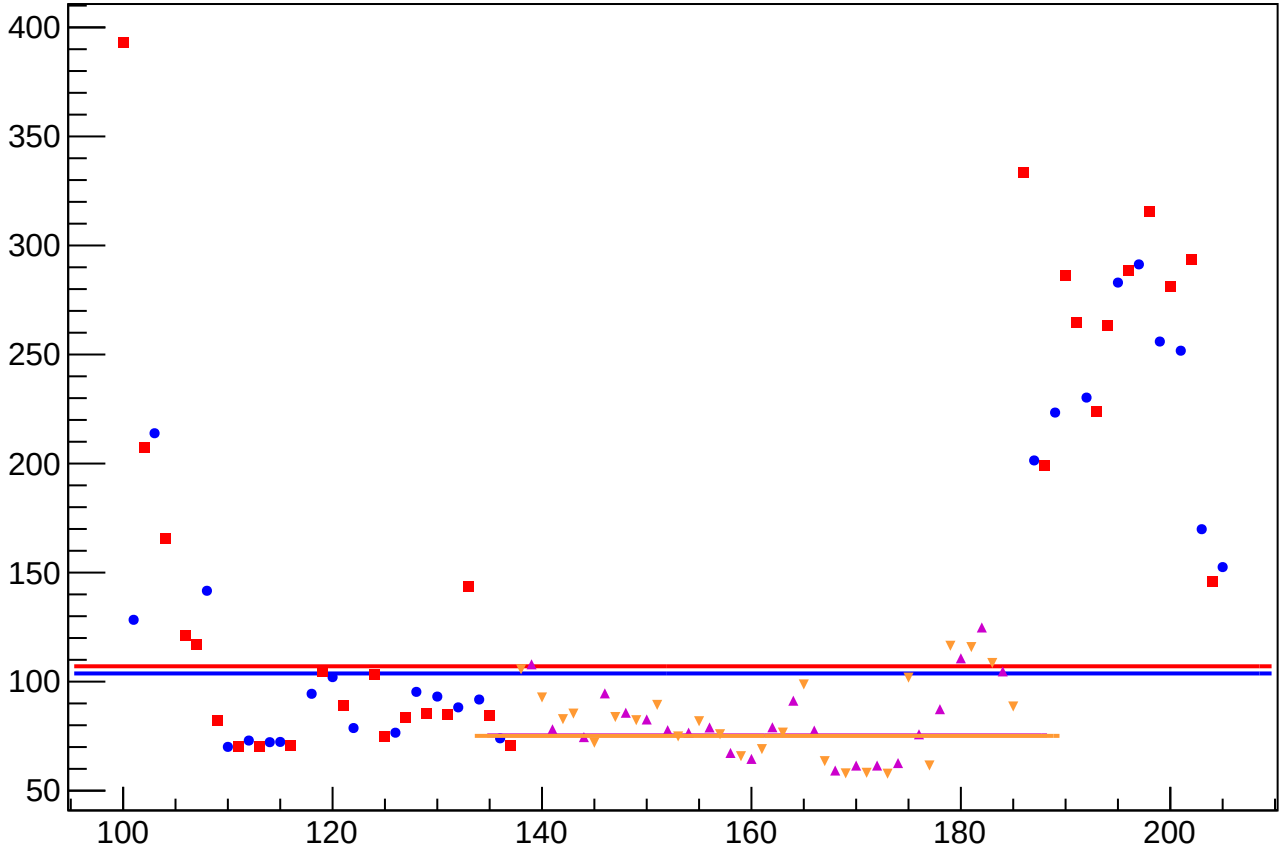
Right: -34.251+/-22.246 χ^2/NDF: 64.0/54

In: 48.090+/-15.784 χ^2/NDF:67.7/47

Out: 56.380+/-15.473 χ^2/NDF:91.9/54

All: 52.318+/-11.050 χ^2/NDF: 159.8/102

dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 103.749+/-0.022 χ^2/NDF: 5291280.3/24

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 107.034+/-0.022 χ^2/NDF: 6859221.4/29

Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

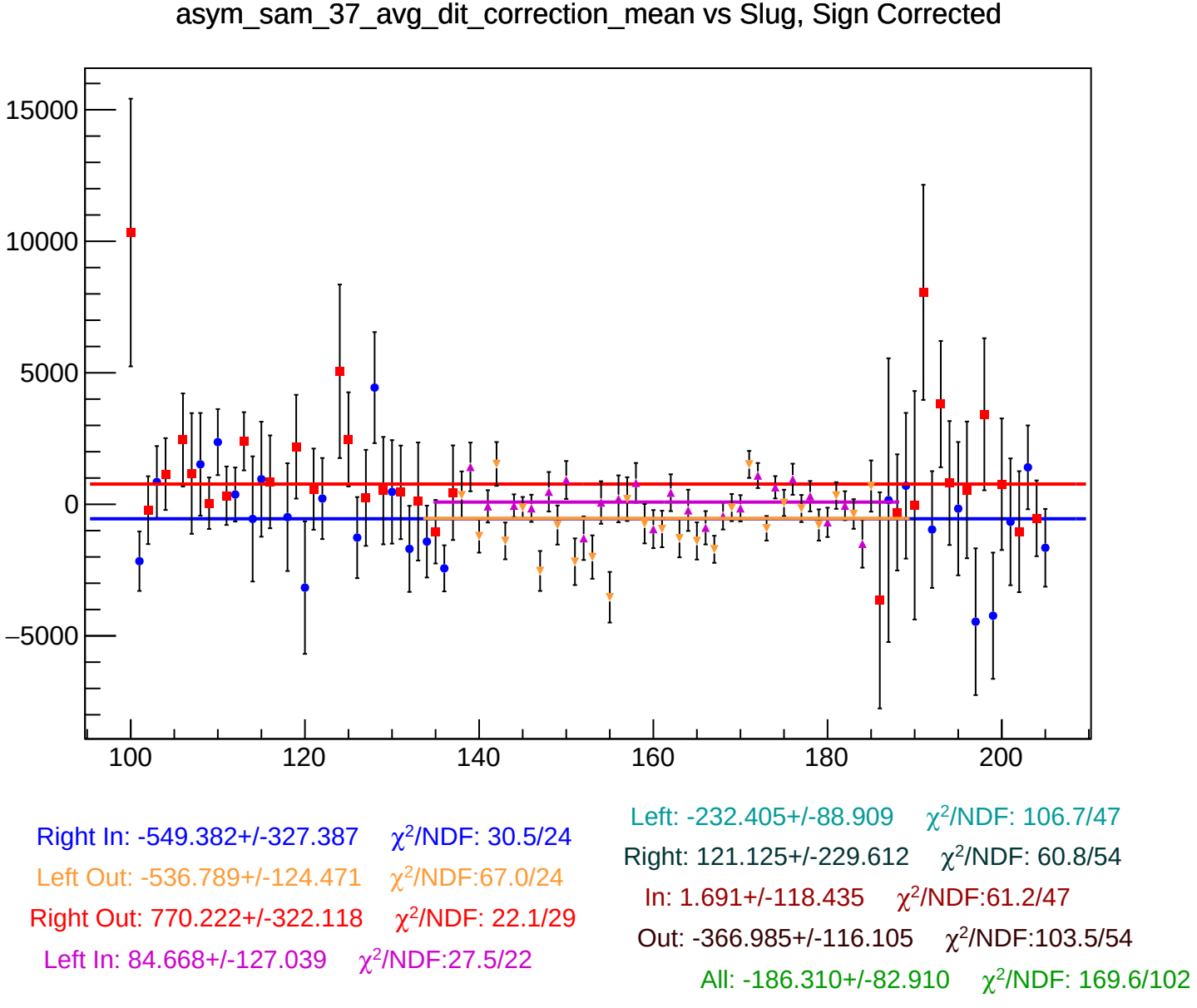
Left: 75.242+/-0.009 χ^2/NDF: 2826950.4/47

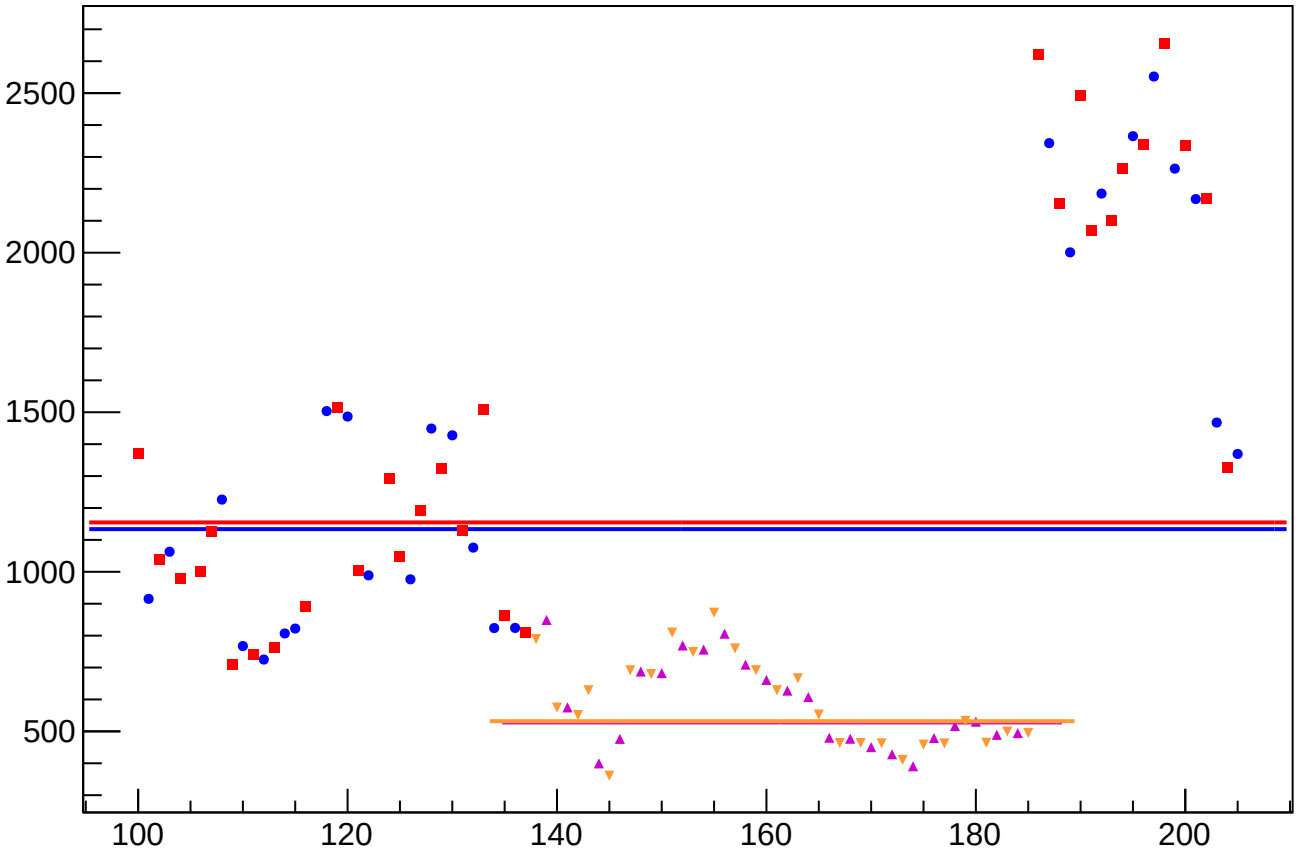
Right: 105.377+/-0.016 χ^2/NDF: 12161404.8/54

In: 82.575+/-0.011 χ^2/NDF:7742452.6/47

Out: 82.774+/-0.011 χ^2/NDF:10010188.7/54

All: 82.676+/-0.008 χ^2/NDF: 17752802.8/102


asym_sam_37_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
100
120
140
160
180
200
Right In: -549.382+/-327.387 χ²/NDF: 30.5/24
Left Out: -536.789+/-124.471 χ²/NDF:67.0/24
Right Out: 770.222+/-322.118 χ²/NDF: 22.1/29
Left In: 84.668+/-127.039 χ²/NDF:27.5/22
Left: -232.405+/-88.909 χ²/NDF: 106.7/47
Right: 121.125+/-229.612 χ²/NDF: 60.8/54
In: 1.691+/-118.435 χ²/NDF:61.2/47
Out: -366.985+/-116.105 χ²/NDF:103.5/54
All: -186.310+/-82.910 χ²/NDF: 169.6/102



Right In: 1133.706+/-0.231 χ^2/NDF: 3921621.6/24

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1154.757+/-0.228 χ^2/NDF: 4934863.6/29

Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

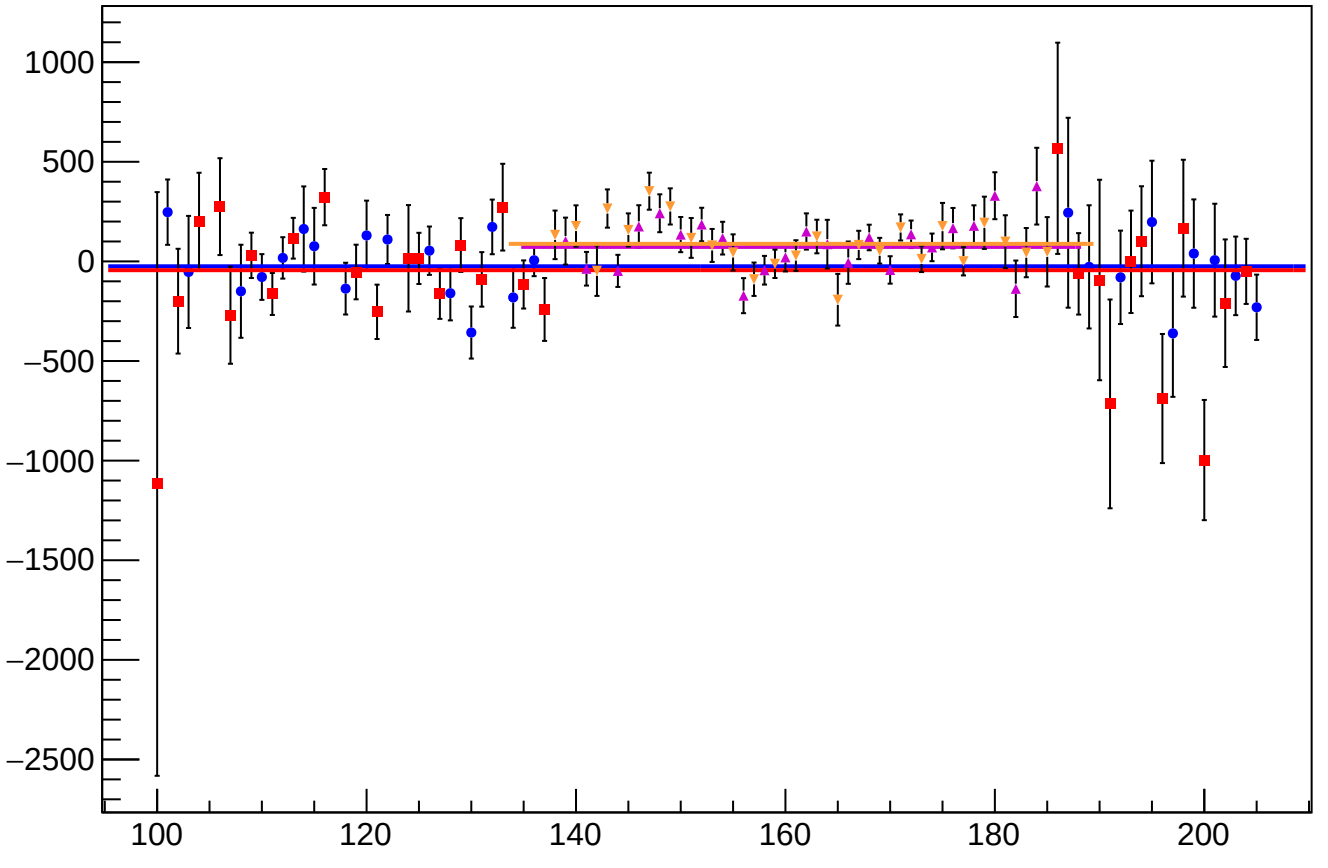
Left: 529.969+/-0.063 χ^2/NDF: 3839160.5/47

Right: 1144.402+/-0.162 χ^2/NDF: 8860686.6/54

In: 607.256+/-0.084 χ^2/NDF:11672336.0/47

Out: 612.796+/-0.082 χ^2/NDF:13479524.6/54

All: 610.081+/-0.059 χ^2/NDF: 25154092.2/10



Right In: -24.601+/-31.315 χ^2/NDF: 22.0/24

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: -44.086+/-31.609 χ^2/NDF: 41.7/29

Left In: 72.848+/-18.276 χ^2/NDF:38.4/22

Left: 80.668+/-12.731 χ^2/NDF: 75.7/47

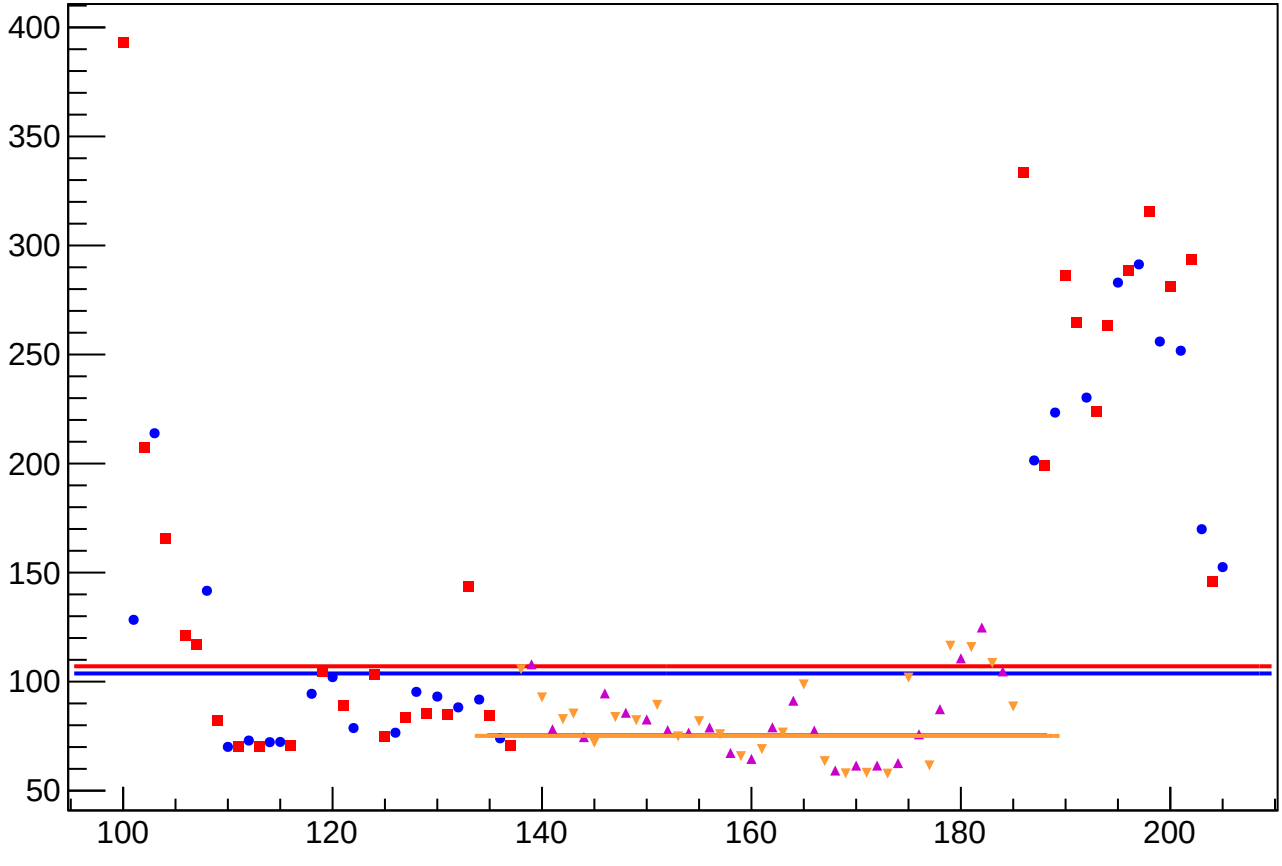
Right: -34.252+/-22.246 χ^2/NDF: 64.0/54

In: 48.090+/-15.784 χ^2/NDF:67.7/47

Out: 56.379+/-15.473 χ^2/NDF:91.9/54

All: 52.317+/-11.050 χ^2/NDF: 159.8/102

eigen_dit_asym_sam_37_avg_rms vs Slug, Sign Corrected



Right In: 103.750+/-0.022 χ^2/NDF: 5291249.1/24

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

Right Out: 107.035+/-0.022 χ^2/NDF: 6859191.8/29

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

Left: 75.242+/-0.009 χ^2/NDF: 2826952.0/47

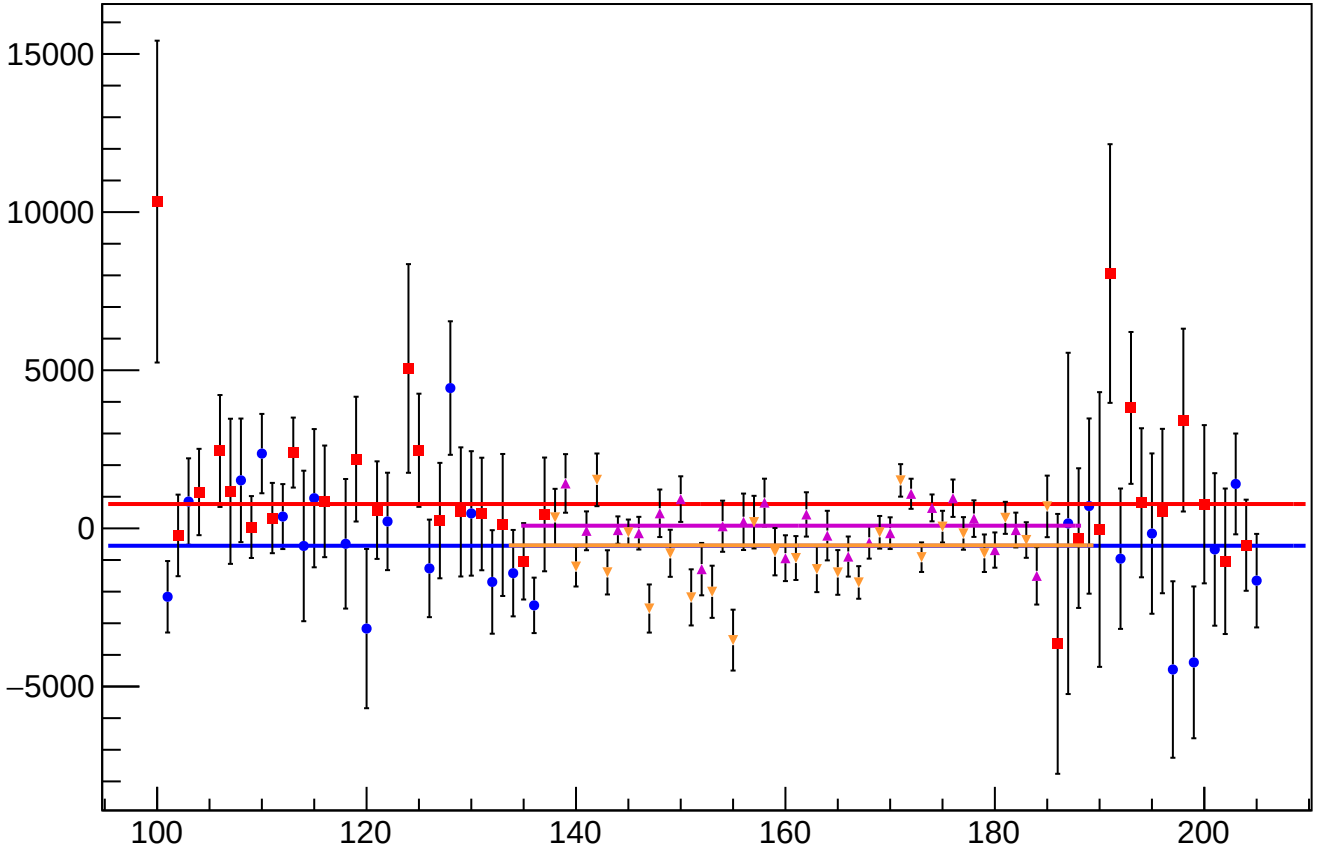
Right: 105.377+/-0.016 χ^2/NDF: 12161344.6/54

In: 82.575+/-0.011 χ^2/NDF:7742432.8/47

Out: 82.774+/-0.011 χ^2/NDF:10010176.7/54

All: 82.677+/-0.008 χ^2/NDF: 17752771.1/102

asym_sam_37_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -549.380+/-327.387 χ^2/NDF: 30.5/24

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

Right Out: 770.222+/-322.118 χ^2/NDF: 22.1/29

Left In: 84.668+/-127.039 χ^2/NDF:27.5/22

Left: -232.405+/-88.909 χ^2/NDF: 106.7/47

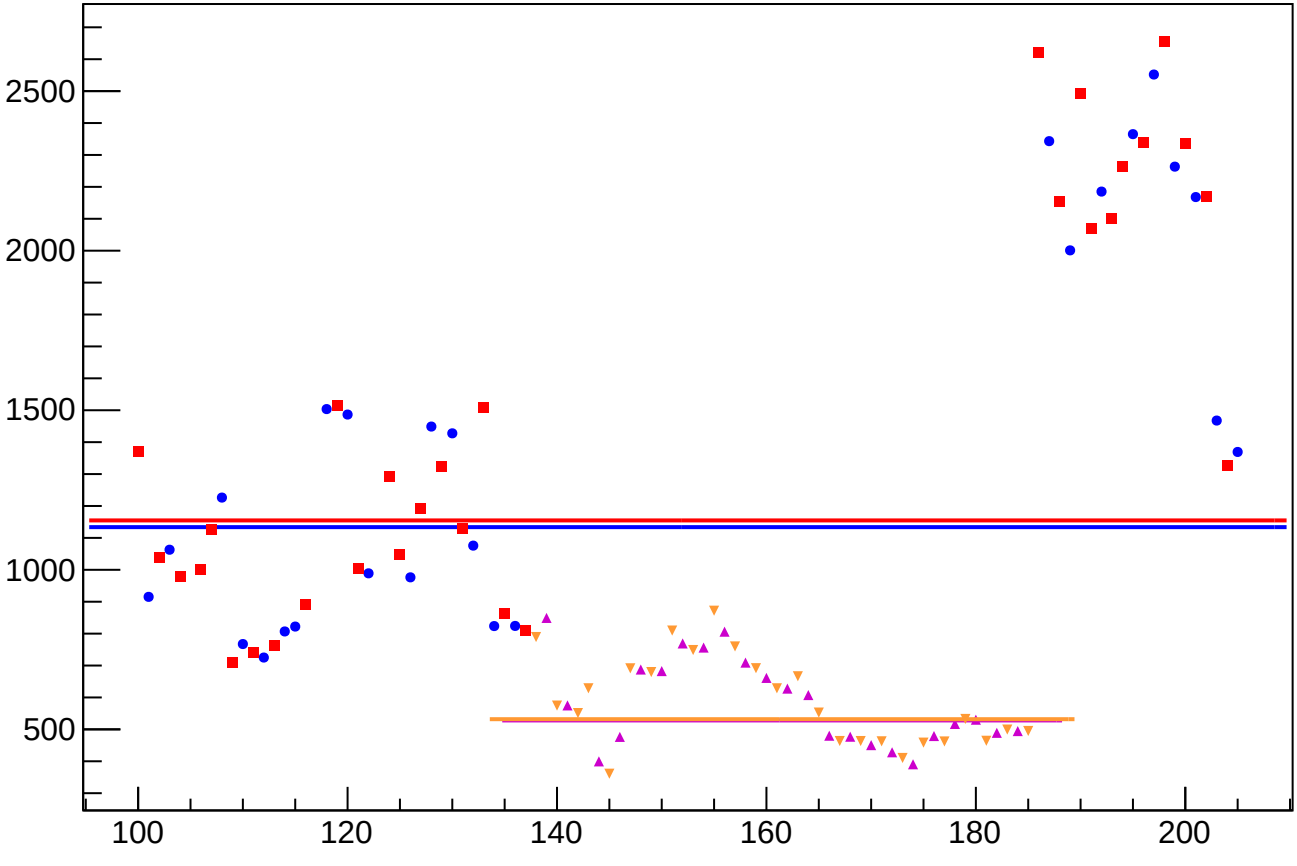
Right: 121.126+/-229.612 χ^2/NDF: 60.8/54

In: 1.690+/-118.435 χ^2/NDF:61.2/47

Out: -366.985+/-116.105 χ^2/NDF:103.5/54

All: -186.310+/-82.910 χ^2/NDF: 169.6/102

asym_sam_37_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1133.704+/-0.231 χ^2/NDF: 3921630.6/24

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1154.755+/-0.228 χ^2/NDF: 4934871.3/29

Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

Left: 529.968+/-0.063 χ^2/NDF: 3839149.6/47

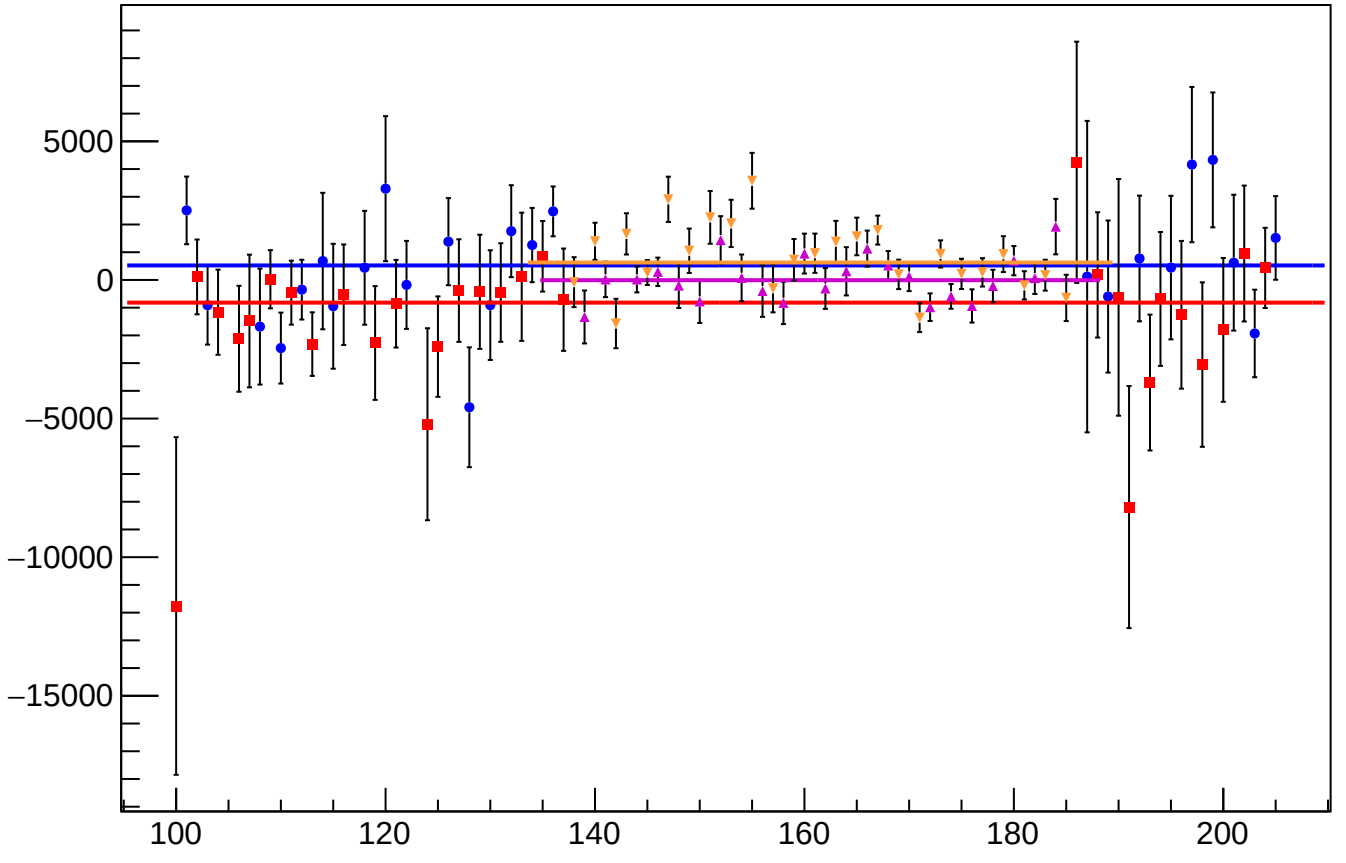
Right: 1144.400+/-0.162 χ^2/NDF: 8860703.2/54

In: 607.256+/-0.084 χ^2/NDF:11672321.7/47

Out: 612.796+/-0.082 χ^2/NDF:13479509.7/54

All: 610.081+/-0.059 χ^2/NDF: 25154062.9/10

asym_sam_37_avg_mean vs Slug, Sign Corrected



Right In: 523.335+/-336.096 χ^2/NDF: 31.8/24

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: -817.976+/-335.551 χ^2/NDF: 19.5/29

Left In: -8.460+/-131.289 χ^2/NDF:27.3/22

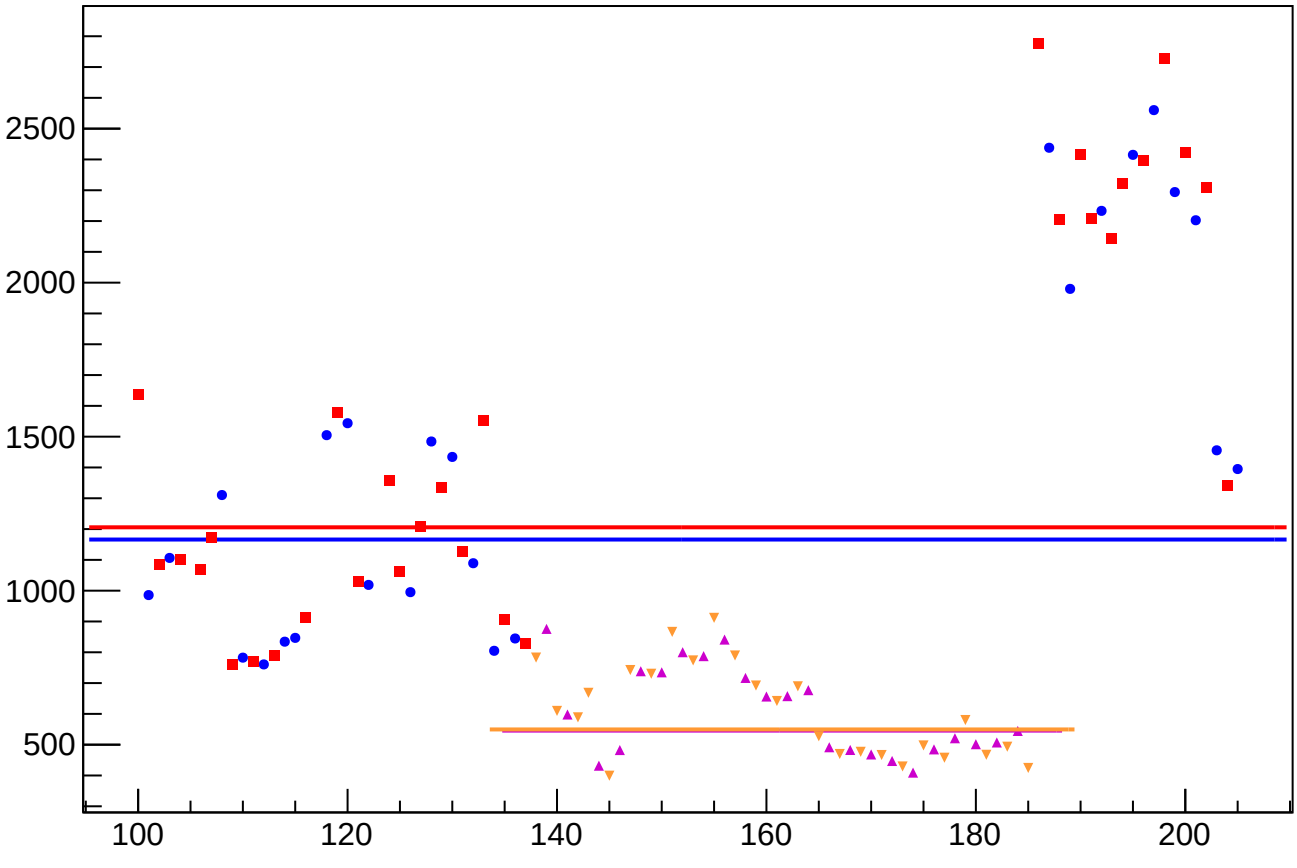
Left: 316.431+/-91.962 χ^2/NDF: 104.2/47

Right: -148.409+/-237.463 χ^2/NDF: 59.2/54

In: 61.944+/-122.290 χ^2/NDF:61.3/47

Out: 443.380+/-120.289 χ^2/NDF:100.6/54

All: 255.808+/-85.756 χ^2/NDF: 166.8/102



Right In: 1166.030+/-0.238 χ^2/NDF: 3802103.7/24

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1205.735+/-0.237 χ^2/NDF: 4785894.2/29

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

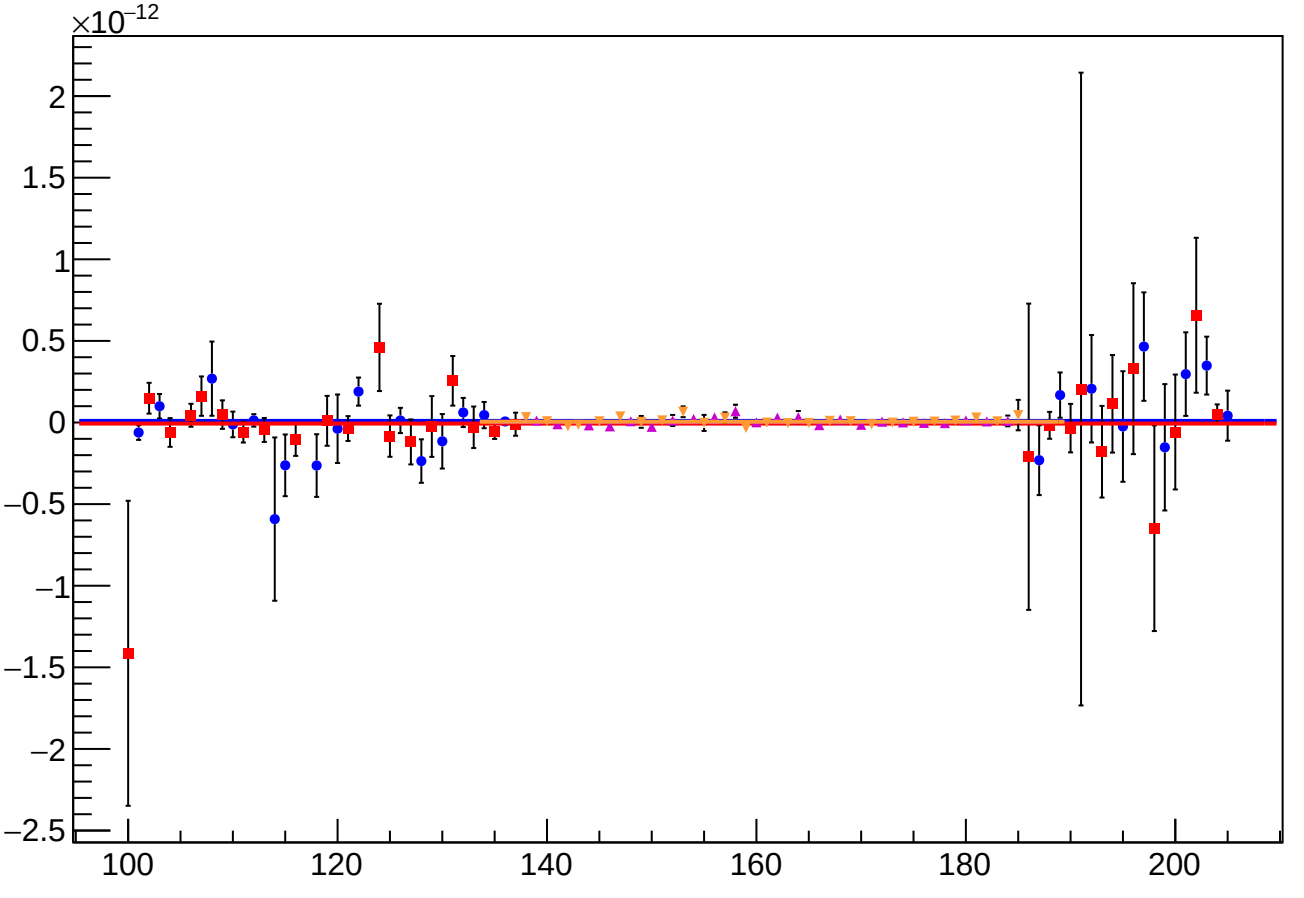
Left: 547.627+/-0.065 χ^2/NDF: 3869252.6/47

Right: 1185.915+/-0.168 χ^2/NDF: 8601976.2/54

In: 627.833+/-0.086 χ^2/NDF:11527632.3/47

Out: 633.810+/-0.085 χ^2/NDF:13506742.6/54

All: 630.871+/-0.061 χ^2/NDF: 25036803.8/10



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 23.6/29

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

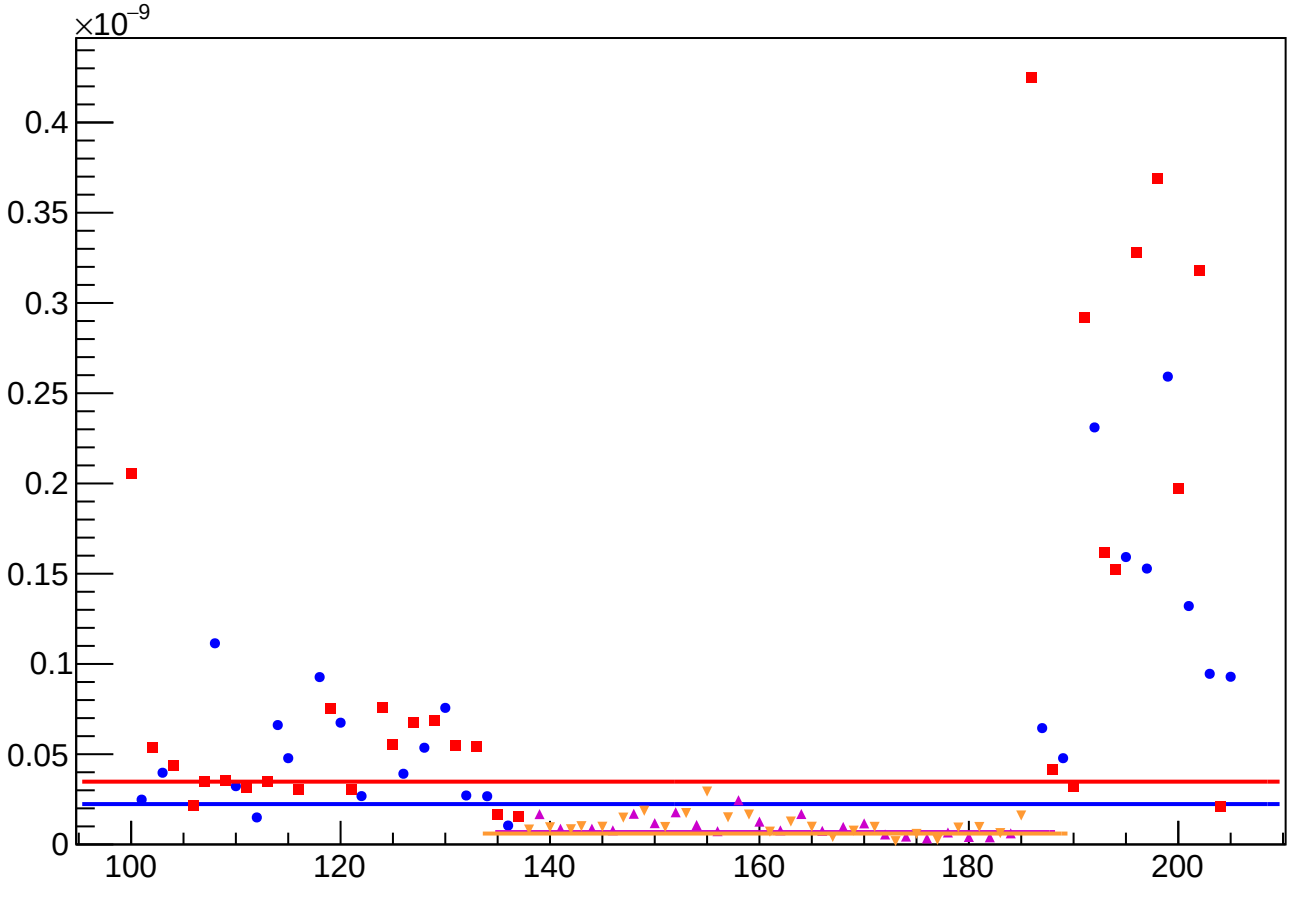
Left: 0.000+/-0.000 χ^2/NDF: 35.9/47

Right: 0.000+/-0.000 χ^2/NDF: 53.8/54

In: 0.000+/-0.000 χ^2/NDF:50.0/47

Out: 0.000+/-0.000 χ^2/NDF:39.6/54

All: 0.000+/-0.000 χ^2/NDF: 89.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 5527354.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4751331.8/29

Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

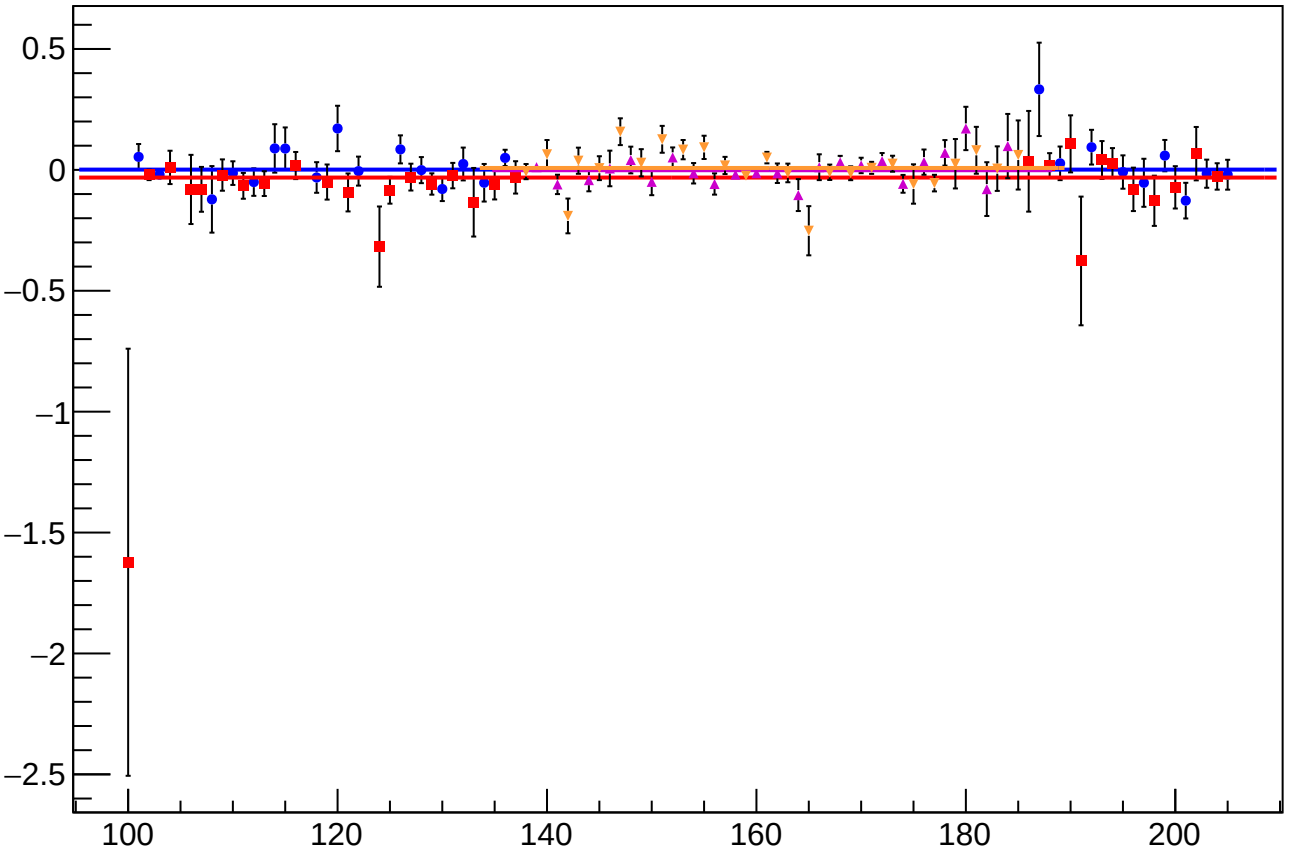
Left: 0.000+/-0.000 χ^2/NDF: 6106655.5/47

Right: 0.000+/-0.000 χ^2/NDF: 10837978.6/54

In: 0.000+/-0.000 χ^2/NDF:10218001.3/47

Out: 0.000+/-0.000 χ^2/NDF:12955231.5/54

All: 0.000+/-0.000 χ^2/NDF: 23255575.5/102



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/29

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

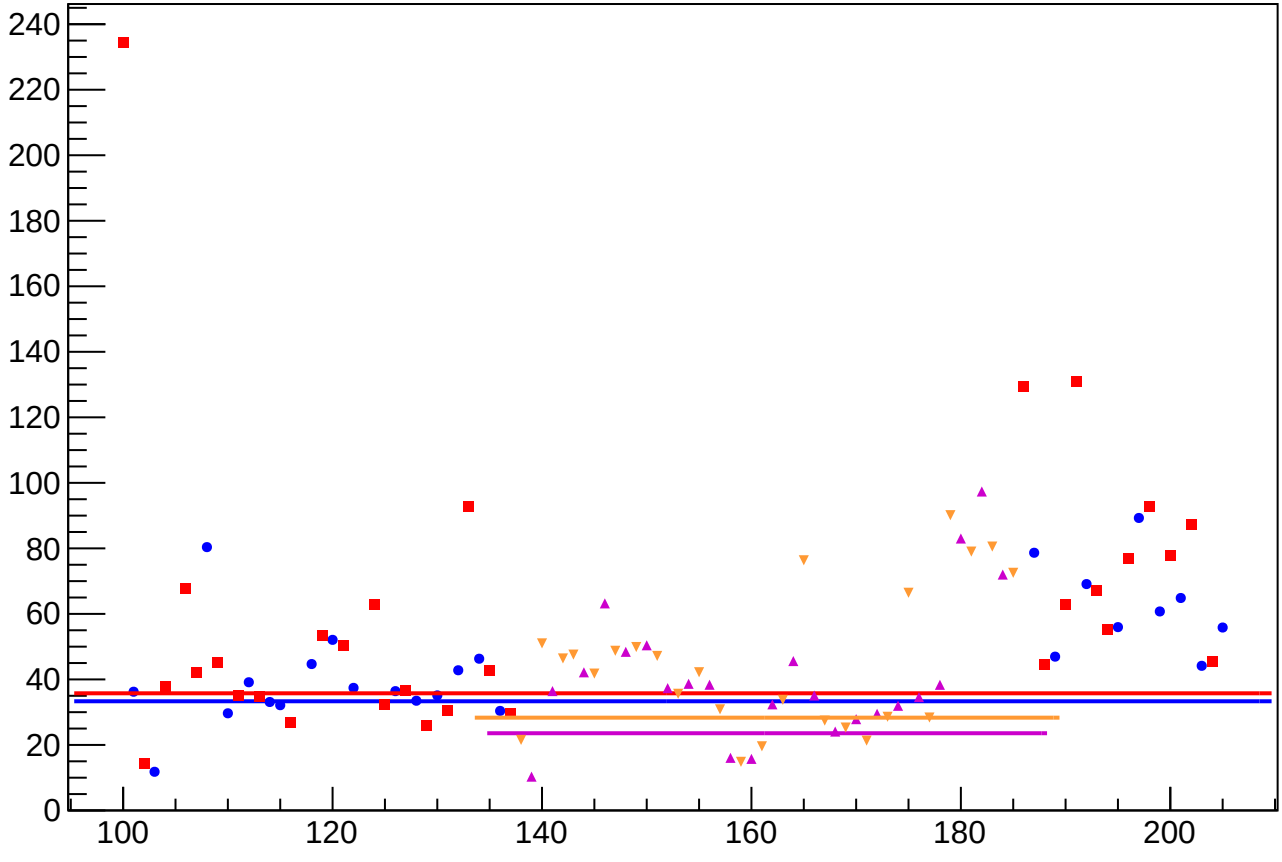
Right: -0.015+/-0.008 χ^2/NDF: 49.6/54

In: -0.001+/-0.006 χ^2/NDF:50.8/47

Out: -0.005+/-0.006 χ^2/NDF:75.7/54

All: -0.002+/-0.004 χ^2/NDF: 126.7/102

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.008 χ^2/NDF: 5538338.6/24

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.763+/-0.008 χ^2/NDF: 6357906.5/29

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

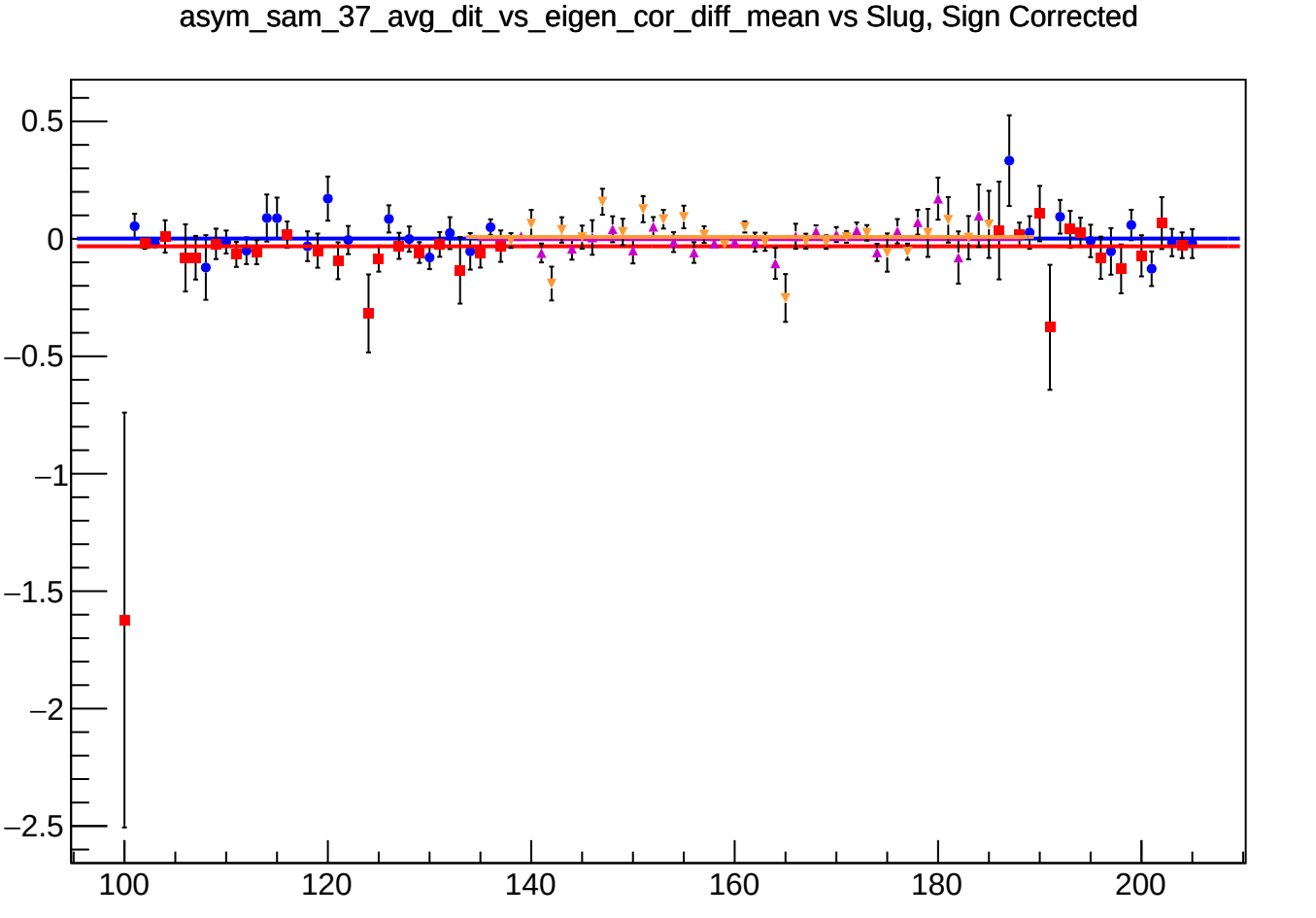
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

Right: 34.497+/-0.005 χ^2/NDF: 11945319.7/54

In: 26.358+/-0.004 χ^2/NDF:14975374.1/47

Out: 30.657+/-0.004 χ^2/NDF:13750636.5/54

All: 28.320+/-0.003 χ^2/NDF: 29235919.1/102



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.6/29

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

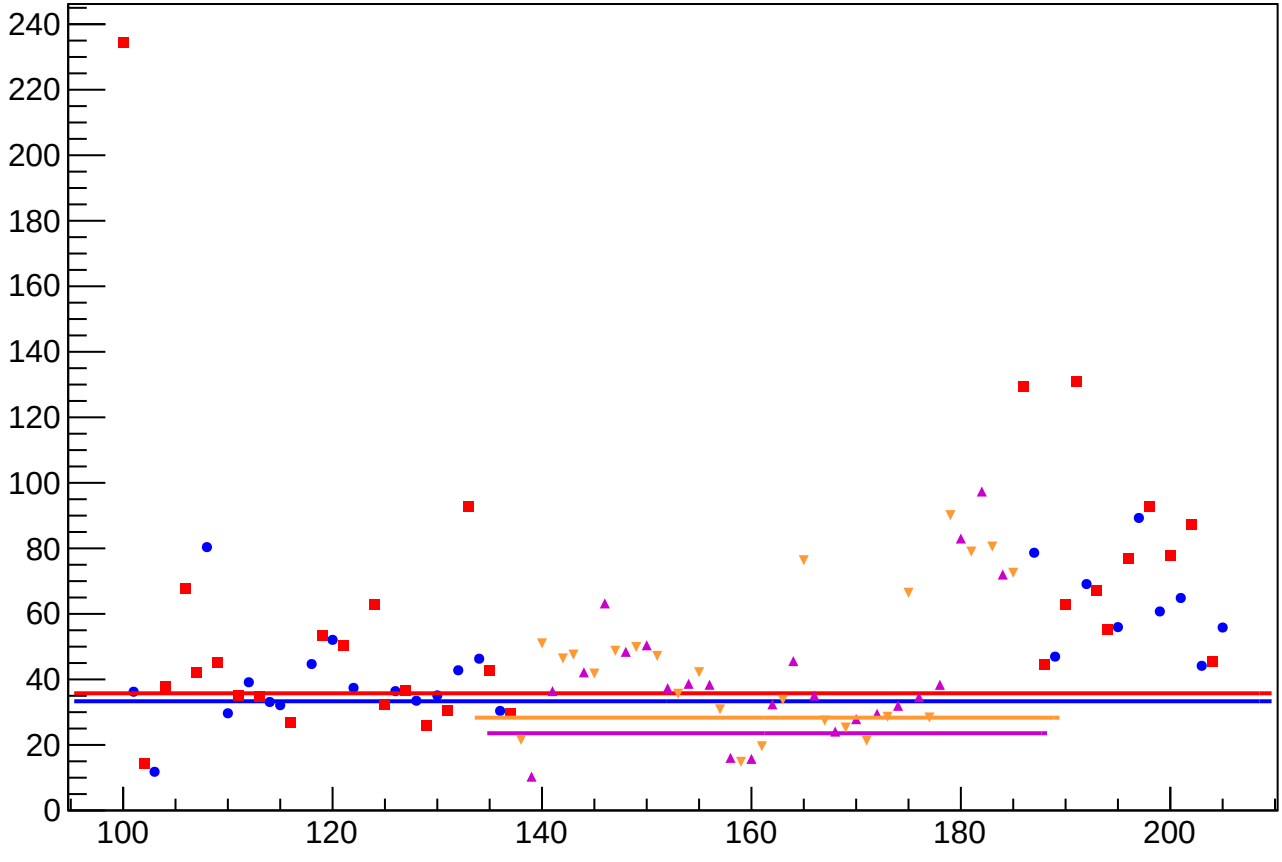
Right: -0.015+/-0.008 χ^2/NDF: 49.6/54

In: -0.001+/-0.006 χ^2/NDF:50.8/47

Out: -0.005+/-0.006 χ^2/NDF:75.7/54

All: -0.002+/-0.004 χ^2/NDF: 126.7/102

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.008 χ^2/NDF: 5538338.6/24

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 35.763+/-0.008 χ^2/NDF: 6357906.5/29

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

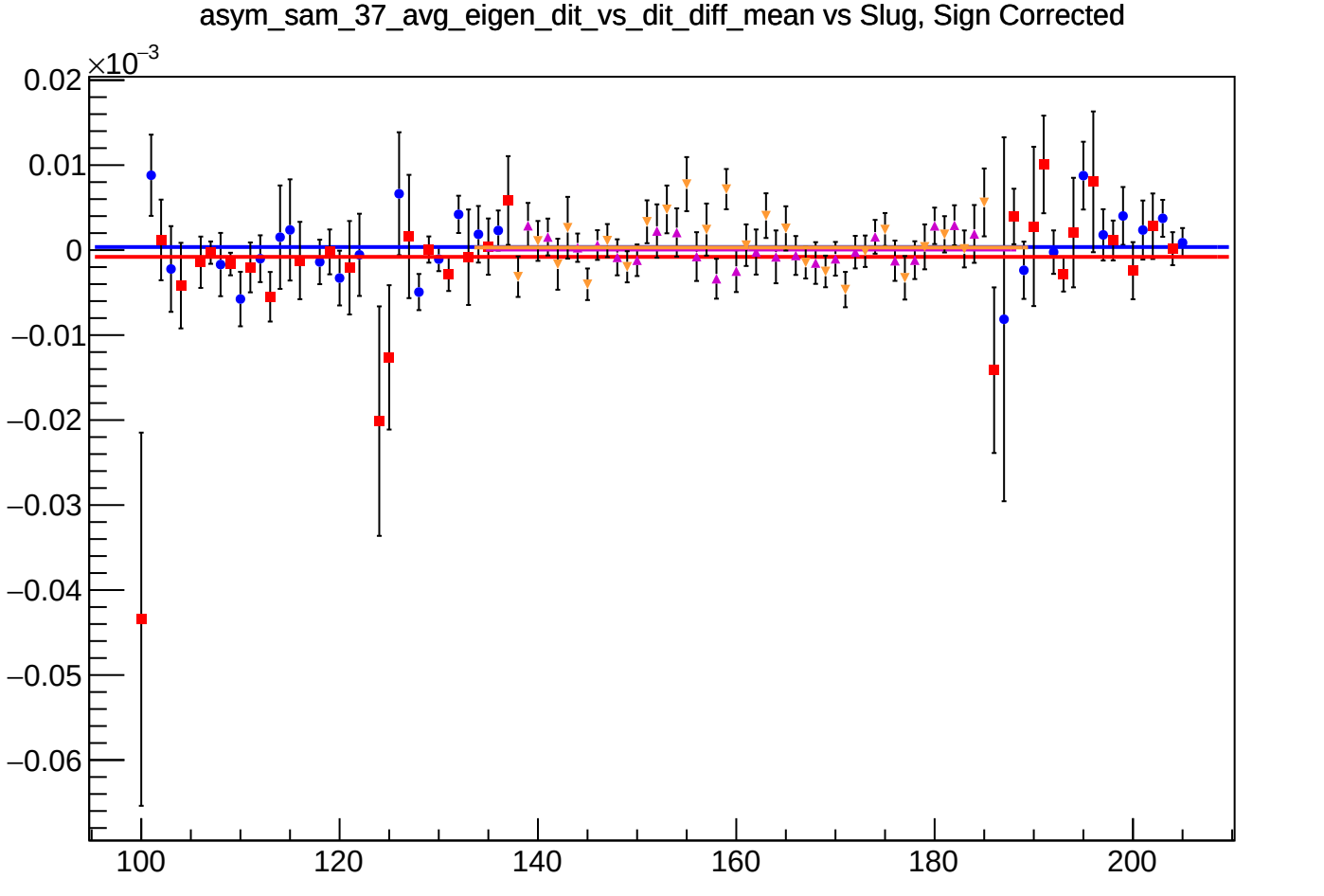
Left: 25.694+/-0.004 χ^2/NDF: 15487591.2/47

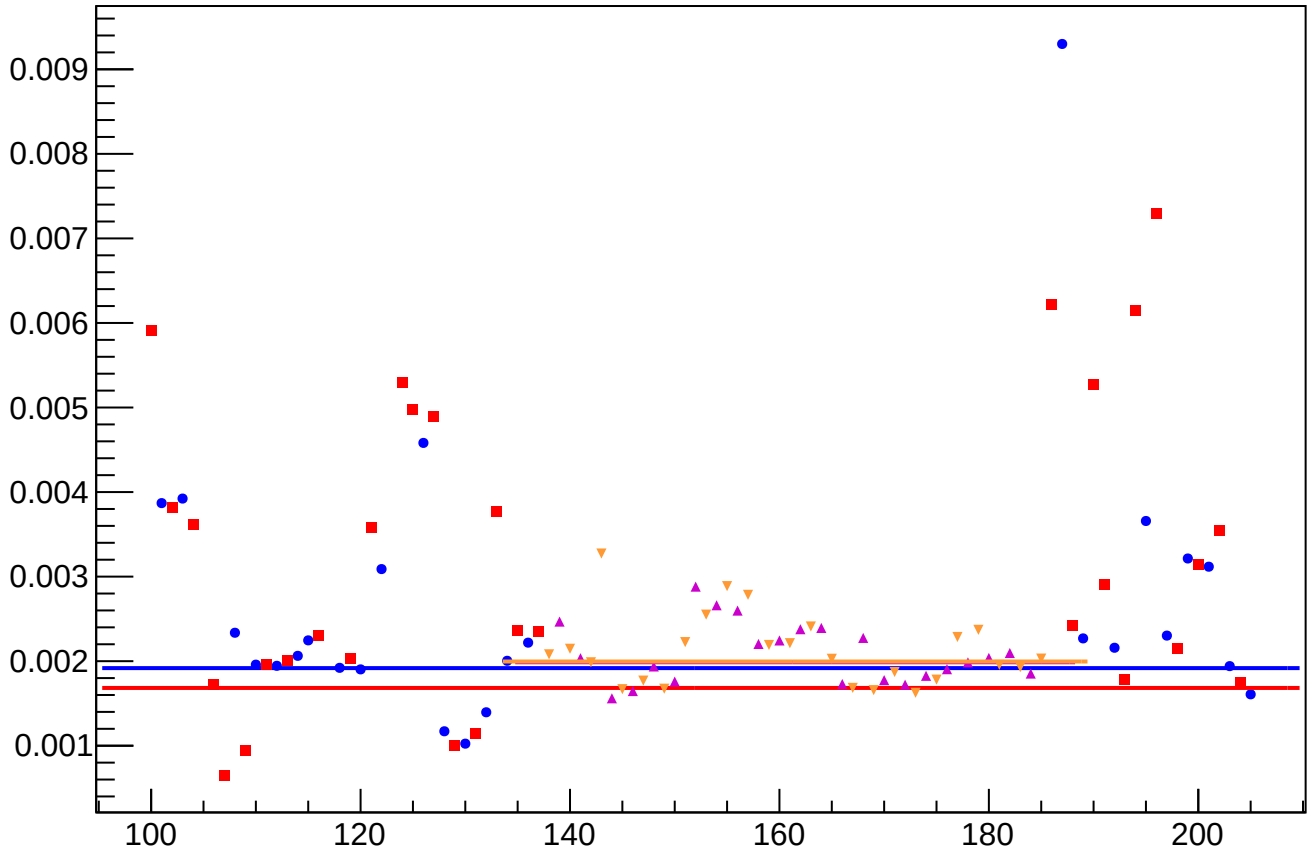
Right: 34.497+/-0.005 χ^2/NDF: 11945319.7/54

In: 26.358+/-0.004 χ^2/NDF:14975374.1/47

Out: 30.657+/-0.004 χ^2/NDF:13750636.5/54

All: 28.320+/-0.003 χ^2/NDF: 29235919.1/102


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 31.0/24
Left Out: 0.000+/-0.000 χ²/NDF:45.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.1/29
Left In: 0.000+/-0.000 χ²/NDF:12.1/22
Left: 0.000+/-0.000 χ²/NDF: 57.9/47
Right: -0.000+/-0.000 χ²/NDF: 60.4/54
In: 0.000+/-0.000 χ²/NDF:43.3/47
Out: -0.000+/-0.000 χ²/NDF:75.3/54
All: -0.000+/-0.000 χ²/NDF: 119.1/102



Right In: 0.002+/-0.000 χ^2/NDF: 3554381.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8491439.2/29

Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

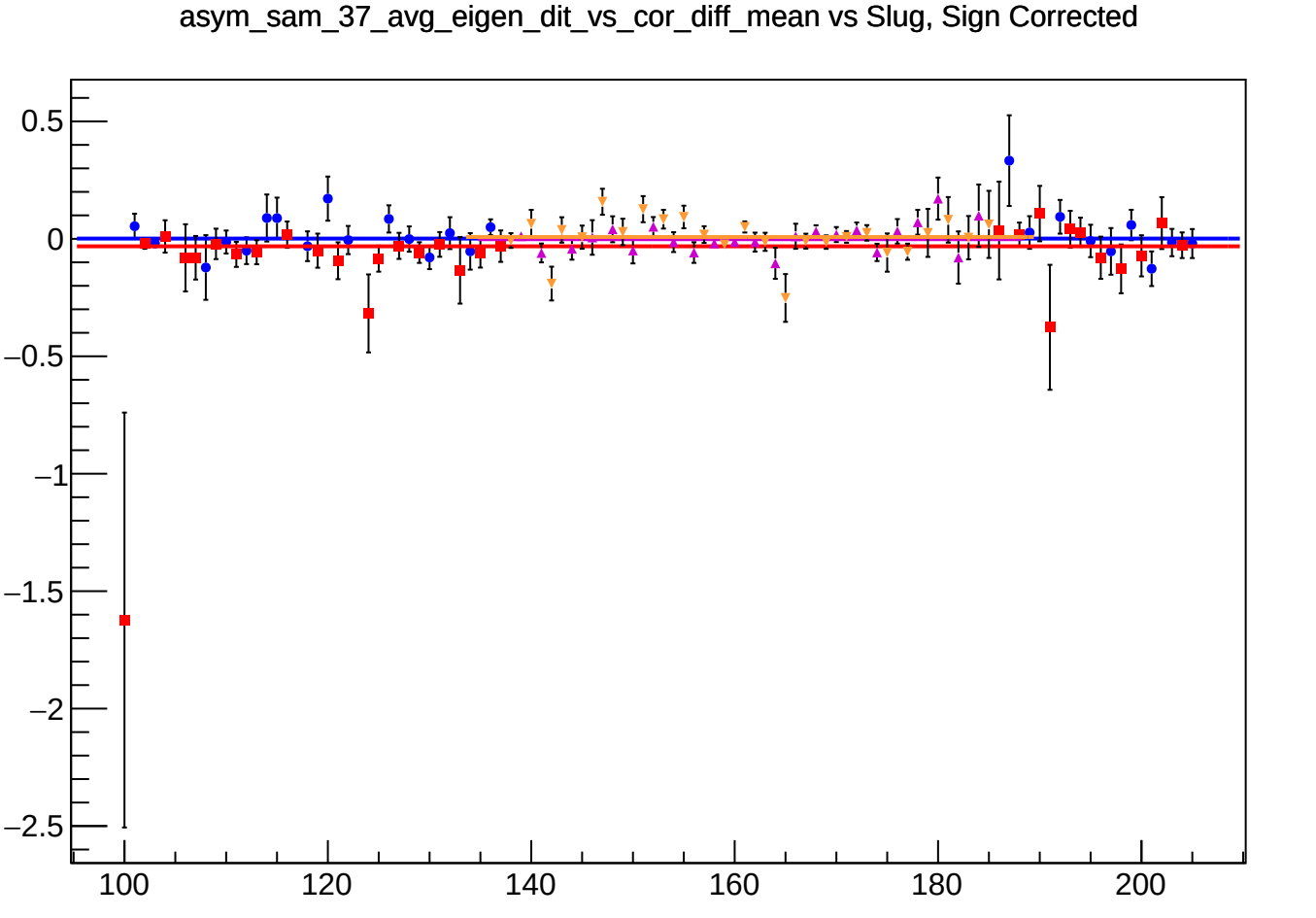
Left: 0.002+/-0.000 χ^2/NDF: 2097693.3/47

Right: 0.002+/-0.000 χ^2/NDF: 12230843.6/54

In: 0.002+/-0.000 χ^2/NDF:4495832.3/47

Out: 0.002+/-0.000 χ^2/NDF:10068506.8/54

All: 0.002+/-0.000 χ^2/NDF: 14645510.9/102



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/29

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

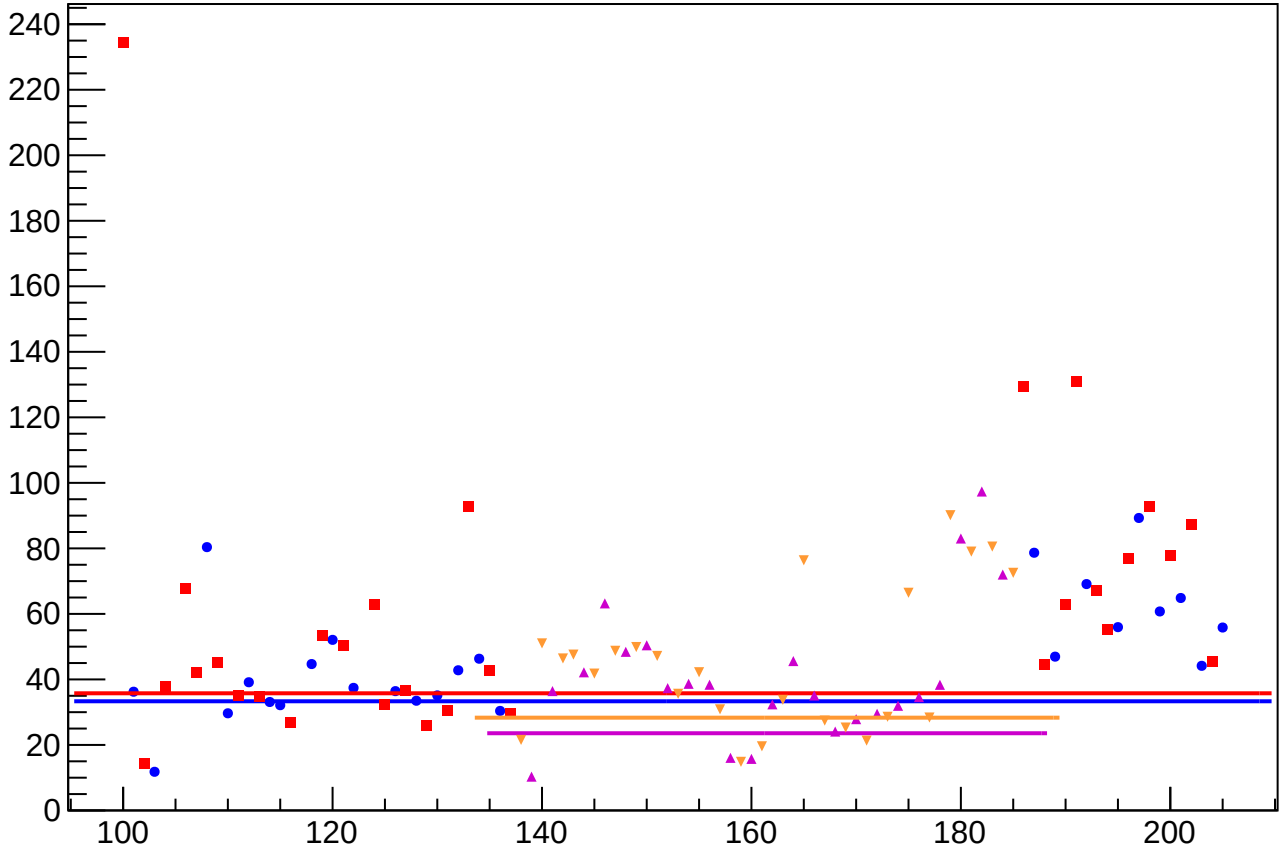
Right: -0.015+/-0.008 χ^2/NDF: 49.6/54

In: -0.001+/-0.006 χ^2/NDF:50.8/47

Out: -0.005+/-0.006 χ^2/NDF:75.7/54

All: -0.002+/-0.004 χ^2/NDF: 126.7/102

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.008 χ^2/NDF: 5538716.5/24

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 35.766+/-0.008 χ^2/NDF: 6356786.2/29

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

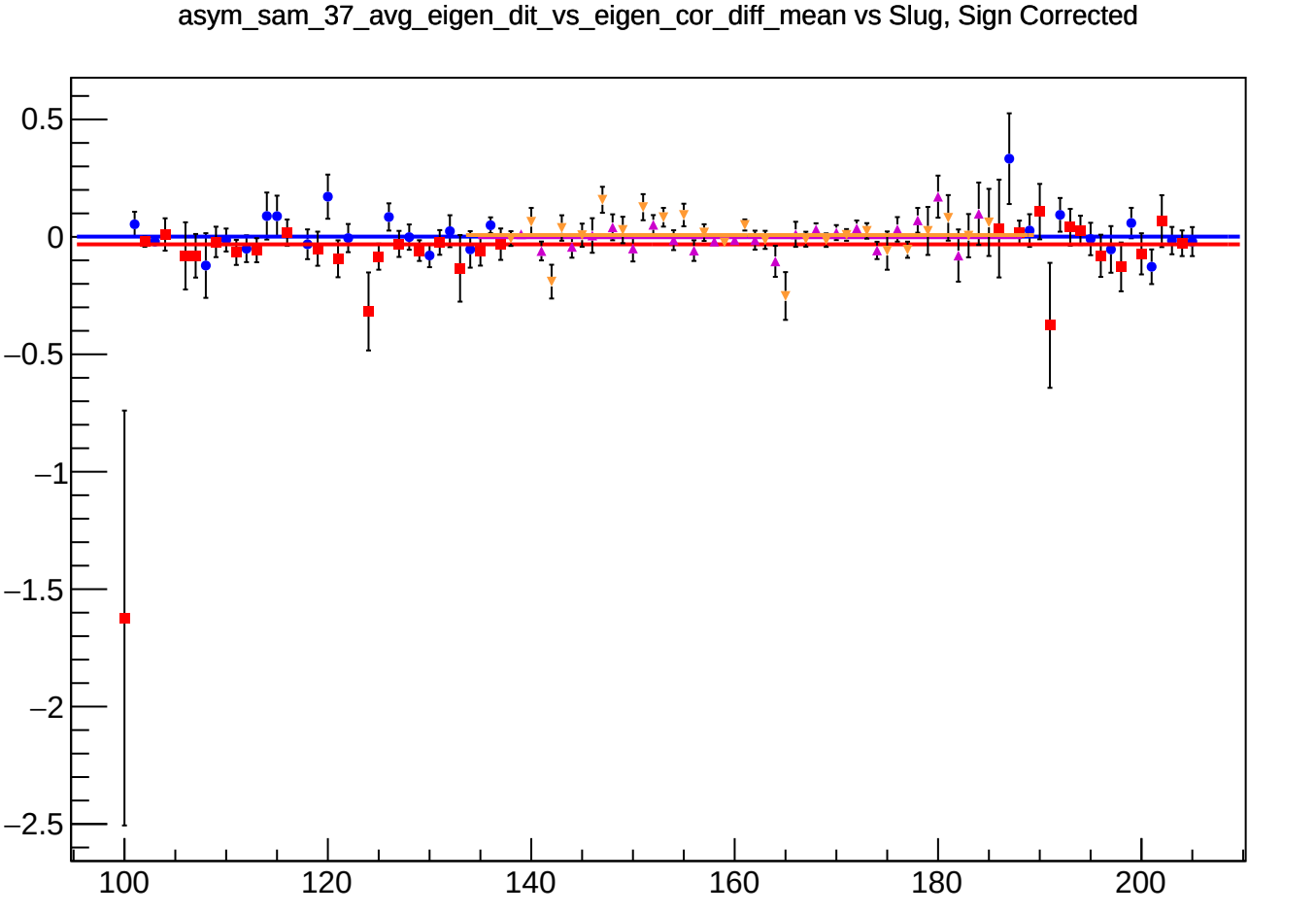
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 34.498+/-0.005 χ^2/NDF: 11944717.8/54

In: 26.356+/-0.004 χ^2/NDF:14976933.3/47

Out: 30.658+/-0.004 χ^2/NDF:13750450.1/54

All: 28.320+/-0.003 χ^2/NDF: 29237666.2/102



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.032+/-0.011 χ^2/NDF: 19.5/29

Left In: -0.001+/-0.007 χ^2/NDF:25.1/22

Left: 0.003+/-0.005 χ^2/NDF: 73.6/47

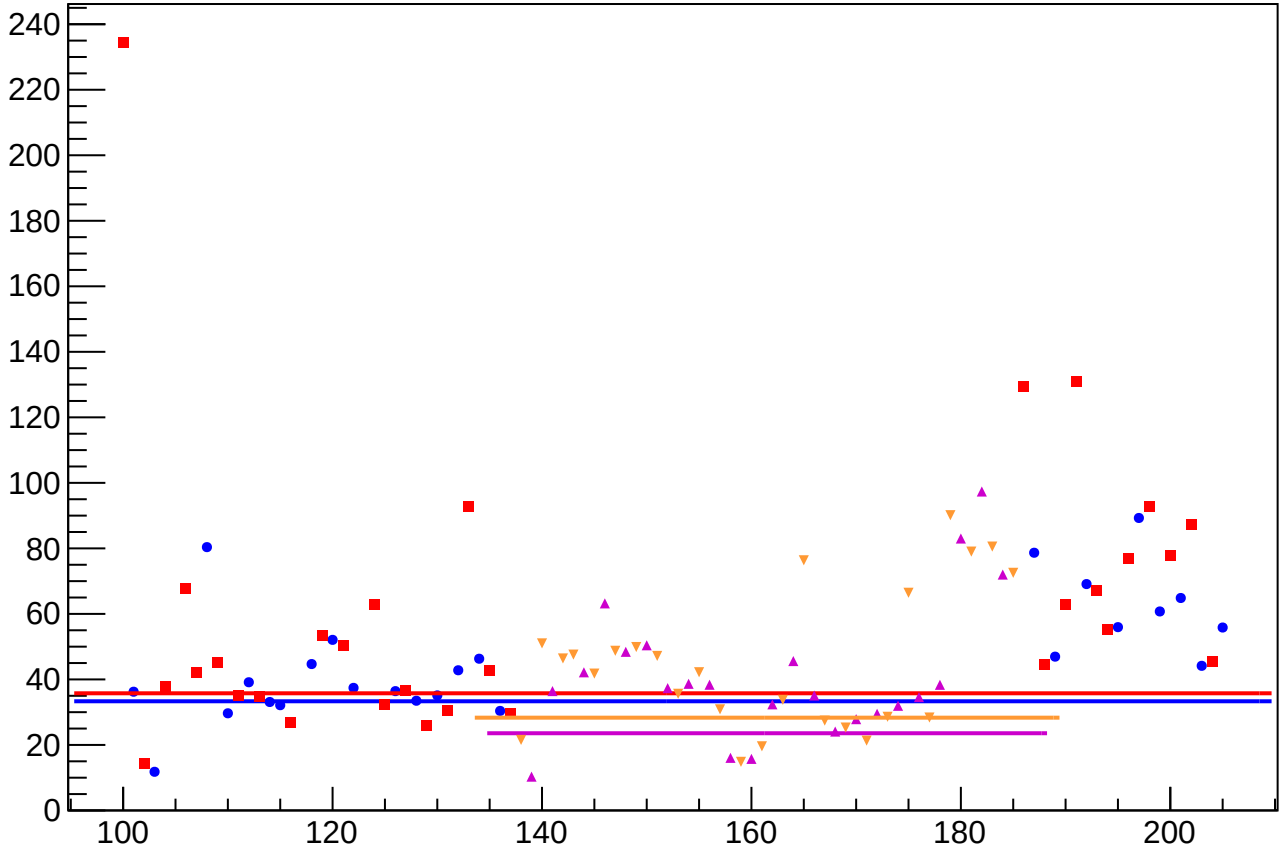
Right: -0.015+/-0.008 χ^2/NDF: 49.6/54

In: -0.001+/-0.006 χ^2/NDF:50.8/47

Out: -0.005+/-0.006 χ^2/NDF:75.7/54

All: -0.002+/-0.004 χ^2/NDF: 126.7/102

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.328+/-0.008 χ^2/NDF: 5538716.5/24

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

Right Out: 35.766+/-0.008 χ^2/NDF: 6356786.2/29

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

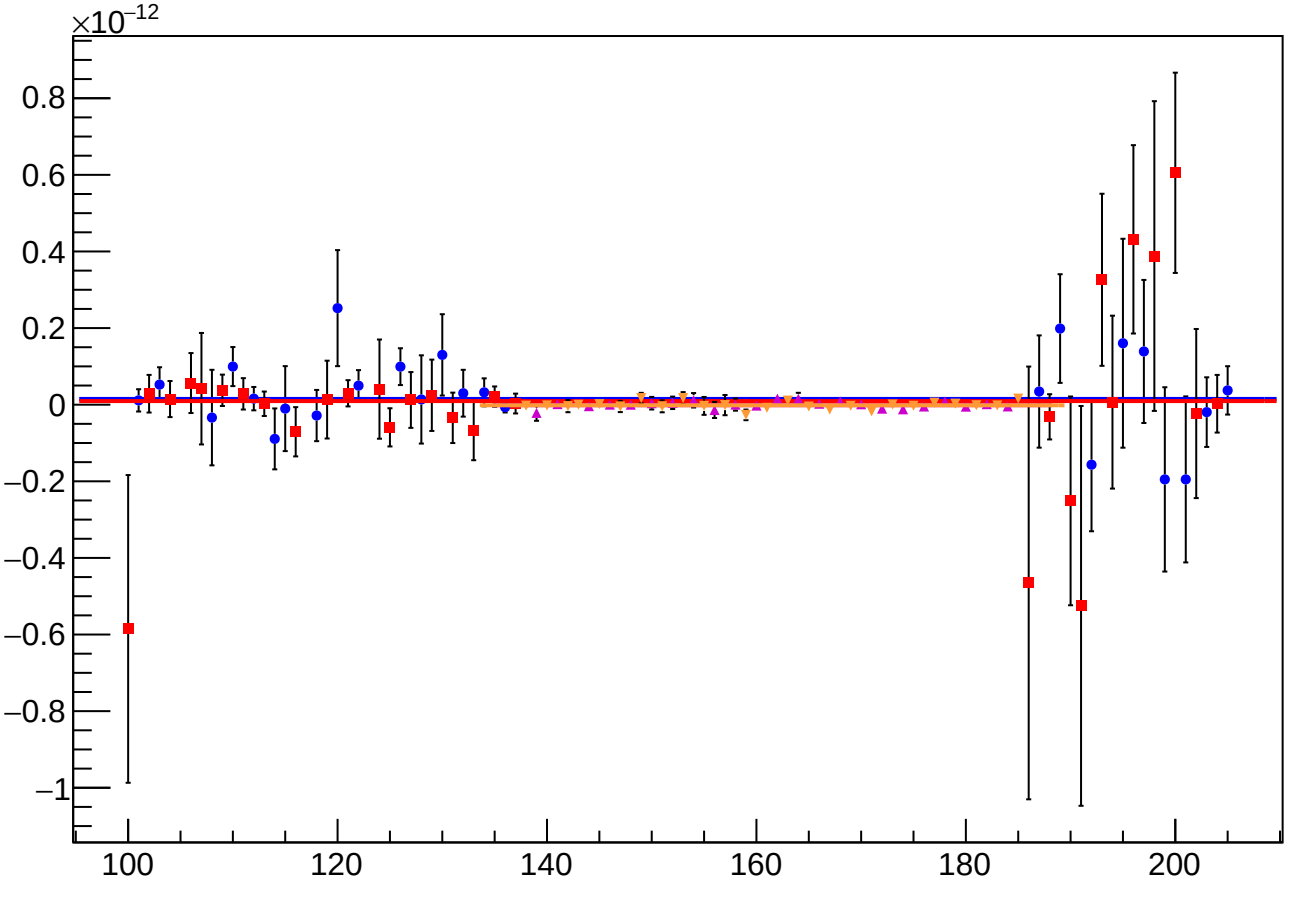
Left: 25.694+/-0.004 χ^2/NDF: 15489262.5/47

Right: 34.498+/-0.005 χ^2/NDF: 11944717.8/54

In: 26.356+/-0.004 χ^2/NDF:14976933.3/47

Out: 30.658+/-0.004 χ^2/NDF:13750450.1/54

All: 28.320+/-0.003 χ^2/NDF: 29237666.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.2/29

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

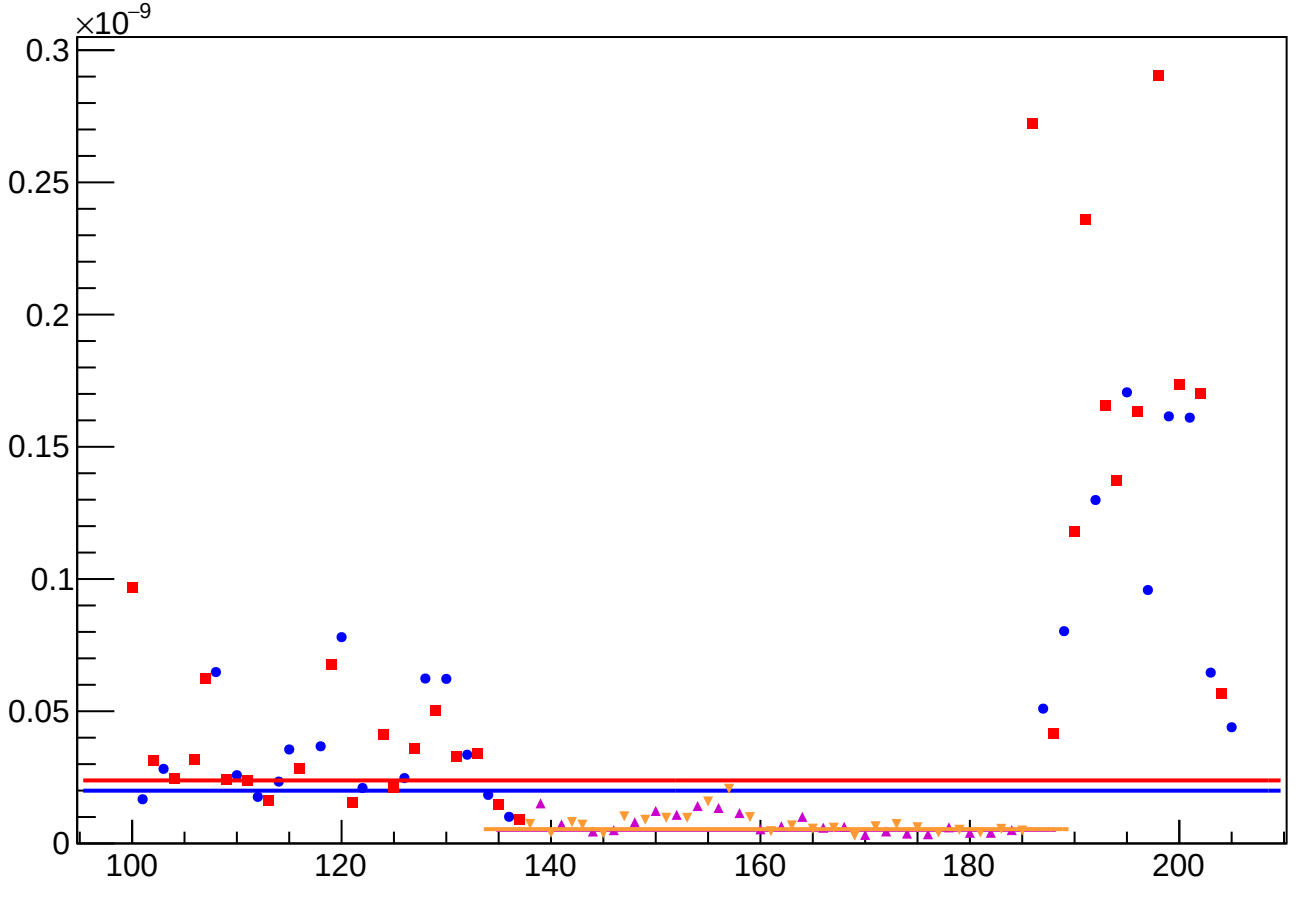
Left: -0.000+/-0.000 χ^2/NDF: 33.5/47

Right: 0.000+/-0.000 χ^2/NDF: 44.7/54

In: -0.000+/-0.000 χ^2/NDF:40.3/47

Out: -0.000+/-0.000 χ^2/NDF:41.8/54

All: -0.000+/-0.000 χ^2/NDF: 82.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 7097469.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7982702.1/29

Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

Left: 0.000+/-0.000 χ^2/NDF: 6479218.4/47

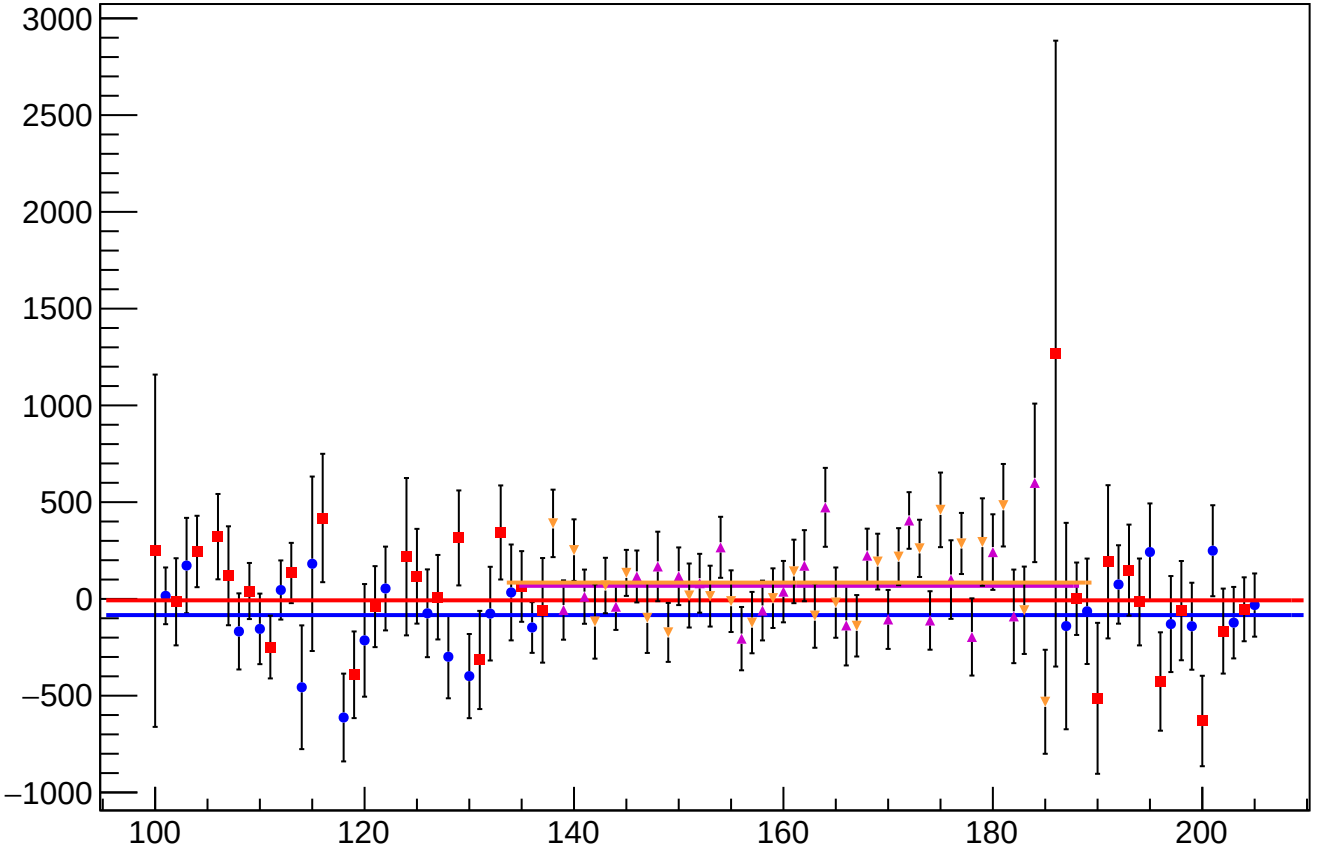
Right: 0.000+/-0.000 χ^2/NDF: 15234466.4/54

In: 0.000+/-0.000 χ^2/NDF:15467539.1/47

Out: 0.000+/-0.000 χ^2/NDF:17065176.1/54

All: 0.000+/-0.000 χ^2/NDF: 32552763.9/102

reg_asym_sam_48_avg_mean vs Slug, Sign Corrected



Right In: -83.573+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: -7.305+/-41.252 χ^2/NDF: 31.7/29

Left In: 67.646+/-34.137 χ^2/NDF:26.5/22

Left: 76.258+/-23.739 χ^2/NDF: 60.5/47

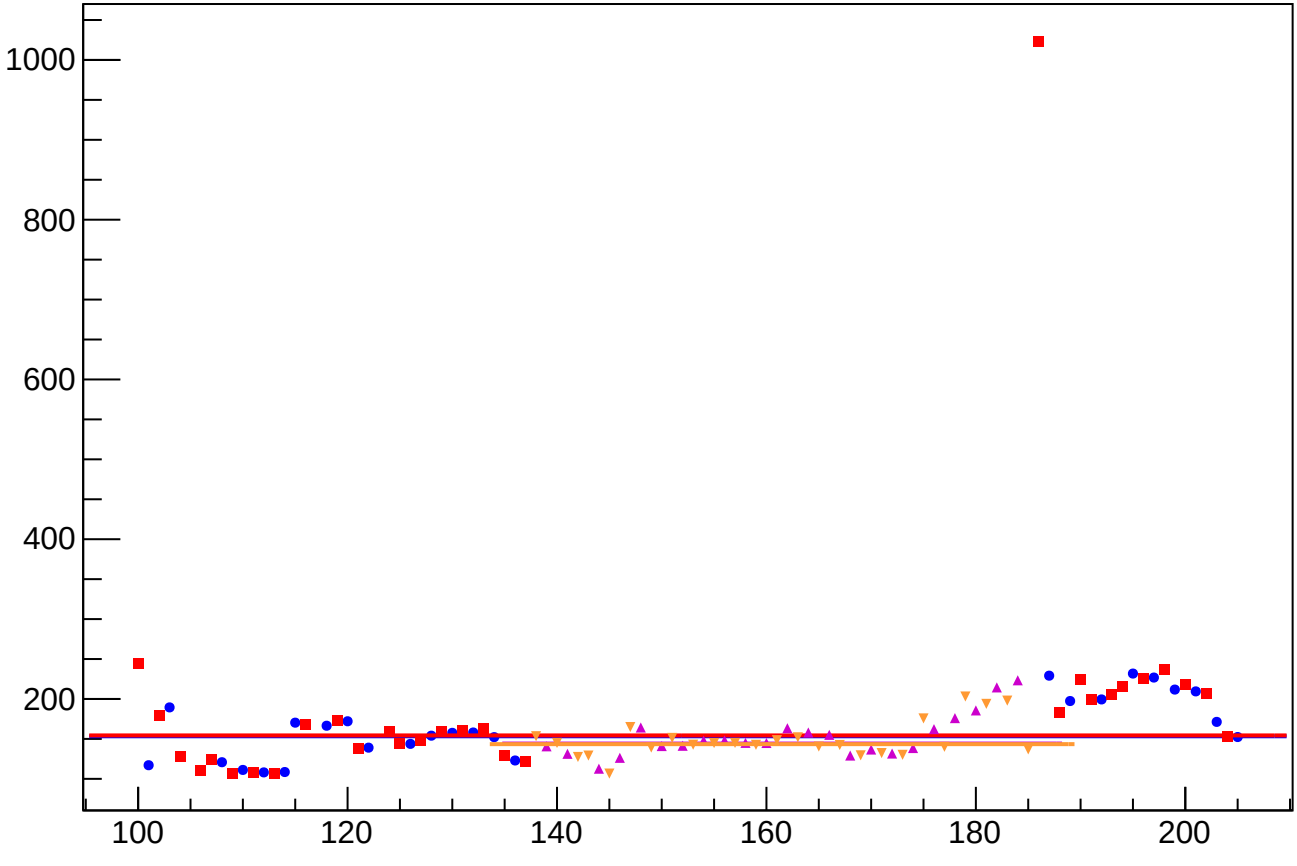
Right: -44.558+/-29.505 χ^2/NDF: 51.9/54

In: 7.862+/-26.545 χ^2/NDF:52.8/47

Out: 48.522+/-25.786 χ^2/NDF:68.6/54

All: 28.781+/-18.496 χ^2/NDF: 122.5/102

reg_asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 153.291+/-0.030 χ^2/NDF: 1515884.3/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.368+/-0.029 χ^2/NDF: 2442159.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

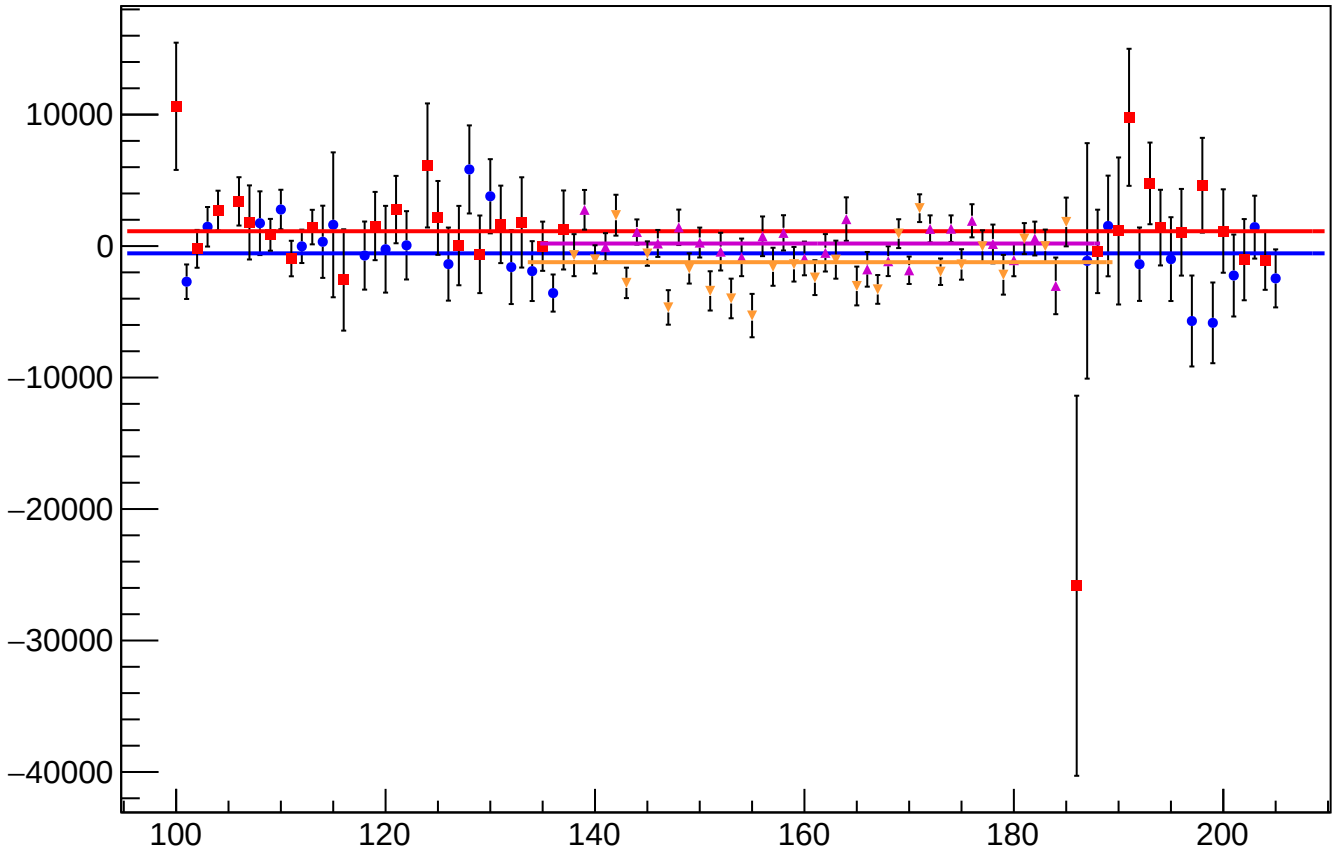
Left: 143.795+/-0.017 χ^2/NDF: 1450223.0/47

Right: 153.842+/-0.021 χ^2/NDF: 3958708.8/54

In: 147.776+/-0.019 χ^2/NDF:2275045.4/47

Out: 147.712+/-0.018 χ^2/NDF:3274651.2/54

All: 147.743+/-0.013 χ^2/NDF: 5549702.7/102



Right In: -553.487+/-449.119 χ^2/NDF: 29.3/24

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: 1128.859+/-425.316 χ^2/NDF: 23.7/29

Left In: 193.805+/-258.922 χ^2/NDF:23.3/22

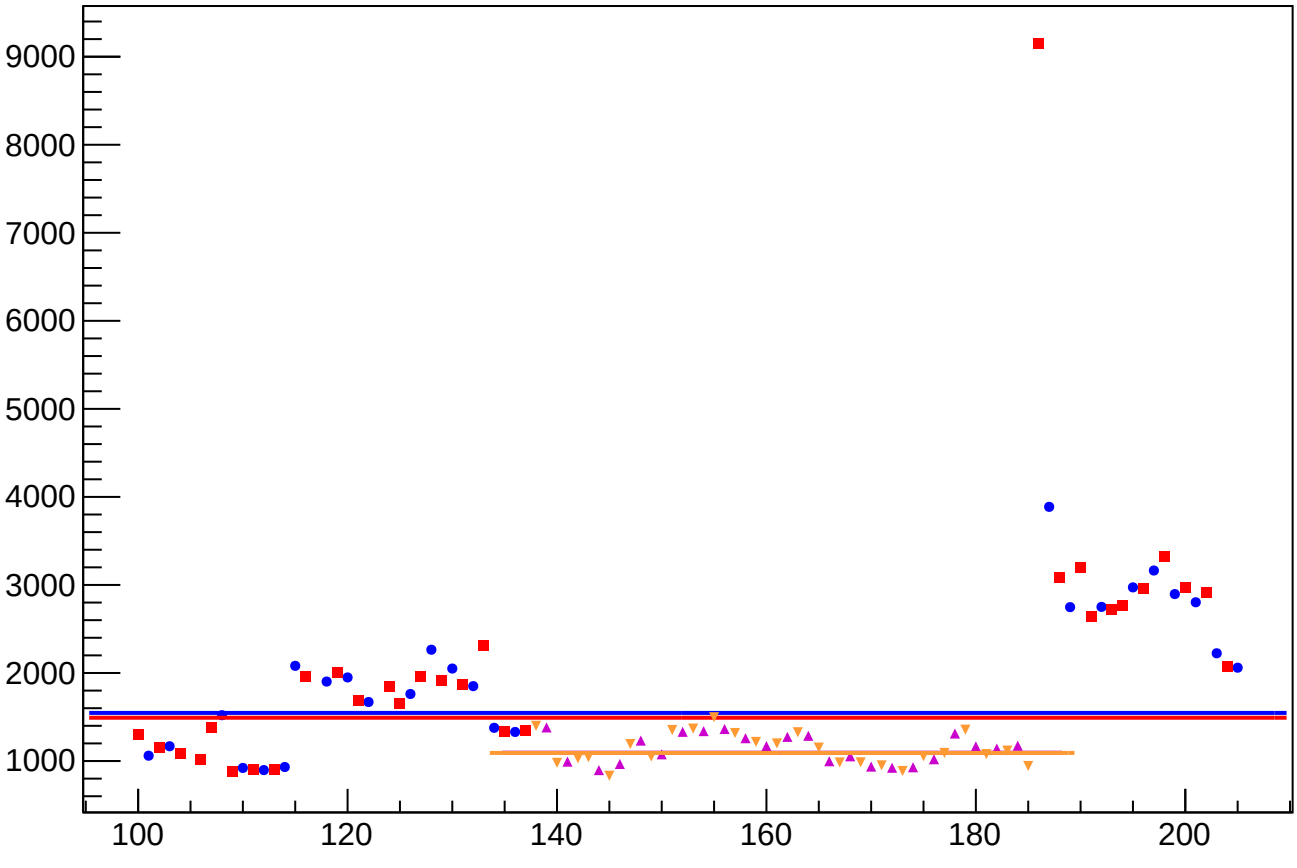
Left: -535.495+/-180.503 χ^2/NDF: 98.0/47

Right: 333.447+/-308.816 χ^2/NDF: 60.4/54

In: 7.390+/-224.314 χ^2/NDF:54.7/47

Out: -614.249+/-216.654 χ^2/NDF:105.6/54

All: -314.225+/-155.835 χ^2/NDF: 164.3/102



Right In: 1546.521+/-0.318 χ^2/NDF: 4235094.9/24

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1491.886+/-0.301 χ^2/NDF: 6040541.1/29

Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

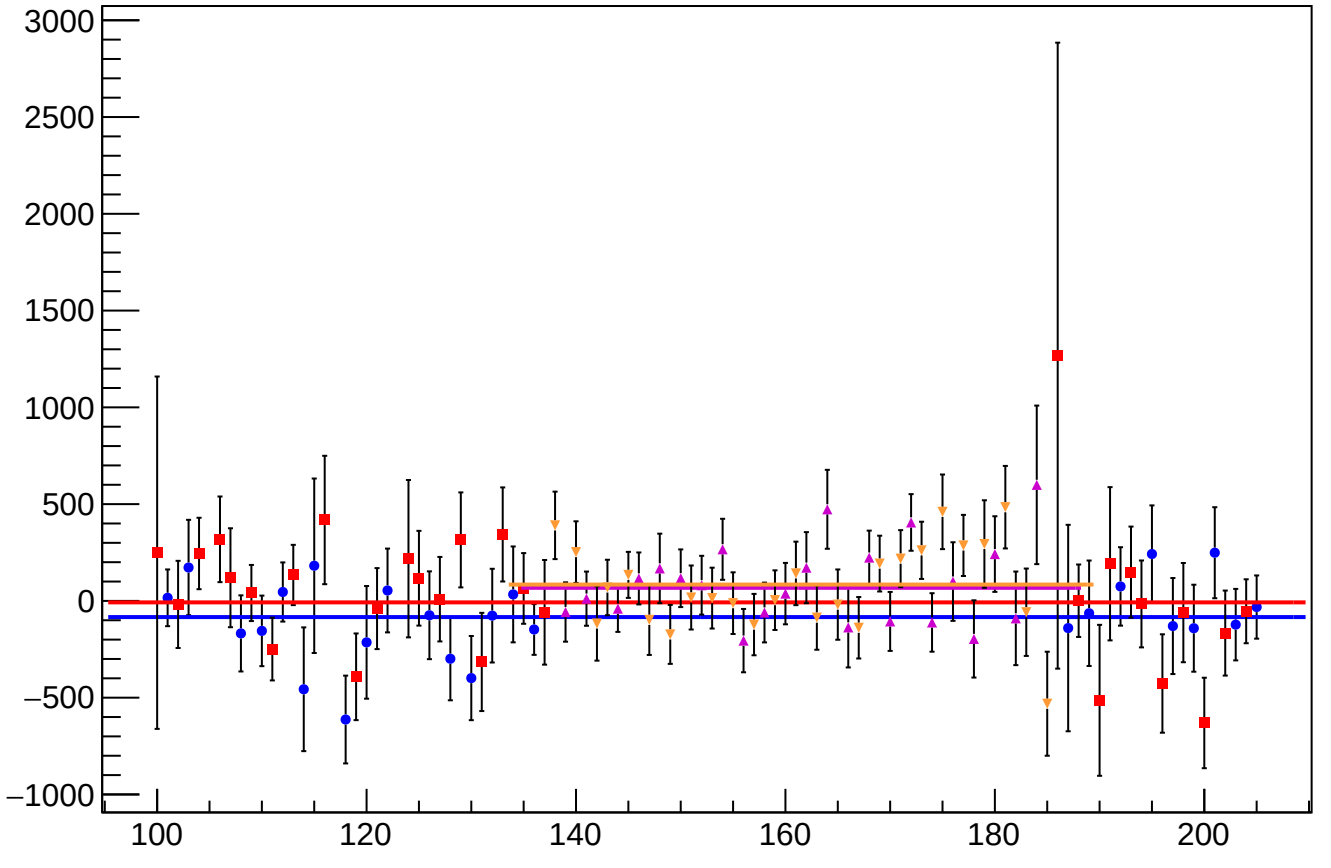
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1517.717+/-0.218 χ^2/NDF: 10291239.9/54

In: 1207.242+/-0.159 χ^2/NDF:6488769.7/47

Out: 1195.749+/-0.153 χ^2/NDF:8242339.3/54

All: 1201.296+/-0.110 χ^2/NDF: 14733825.7/1



Right In: -83.583+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -7.612+/-41.257 χ^2/NDF: 31.7/29

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

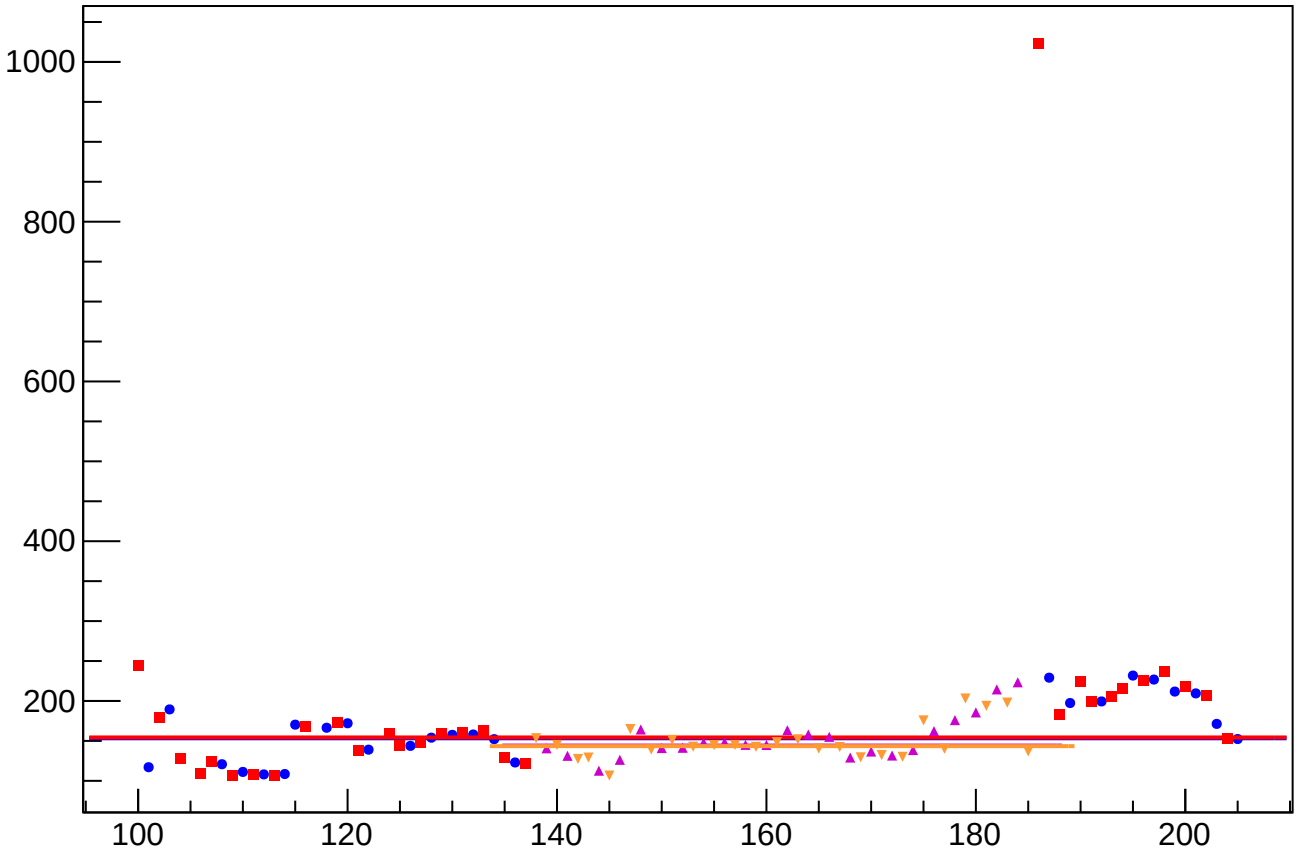
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -44.724+/-29.507 χ^2/NDF: 51.8/54

In: 7.859+/-26.545 χ^2/NDF:52.8/47

Out: 48.416+/-25.787 χ^2/NDF:68.5/54

All: 28.724+/-18.496 χ^2/NDF: 122.5/102



Right In: 153.291+/-0.030 χ^2/NDF: 1515886.6/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.324+/-0.029 χ^2/NDF: 2447641.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

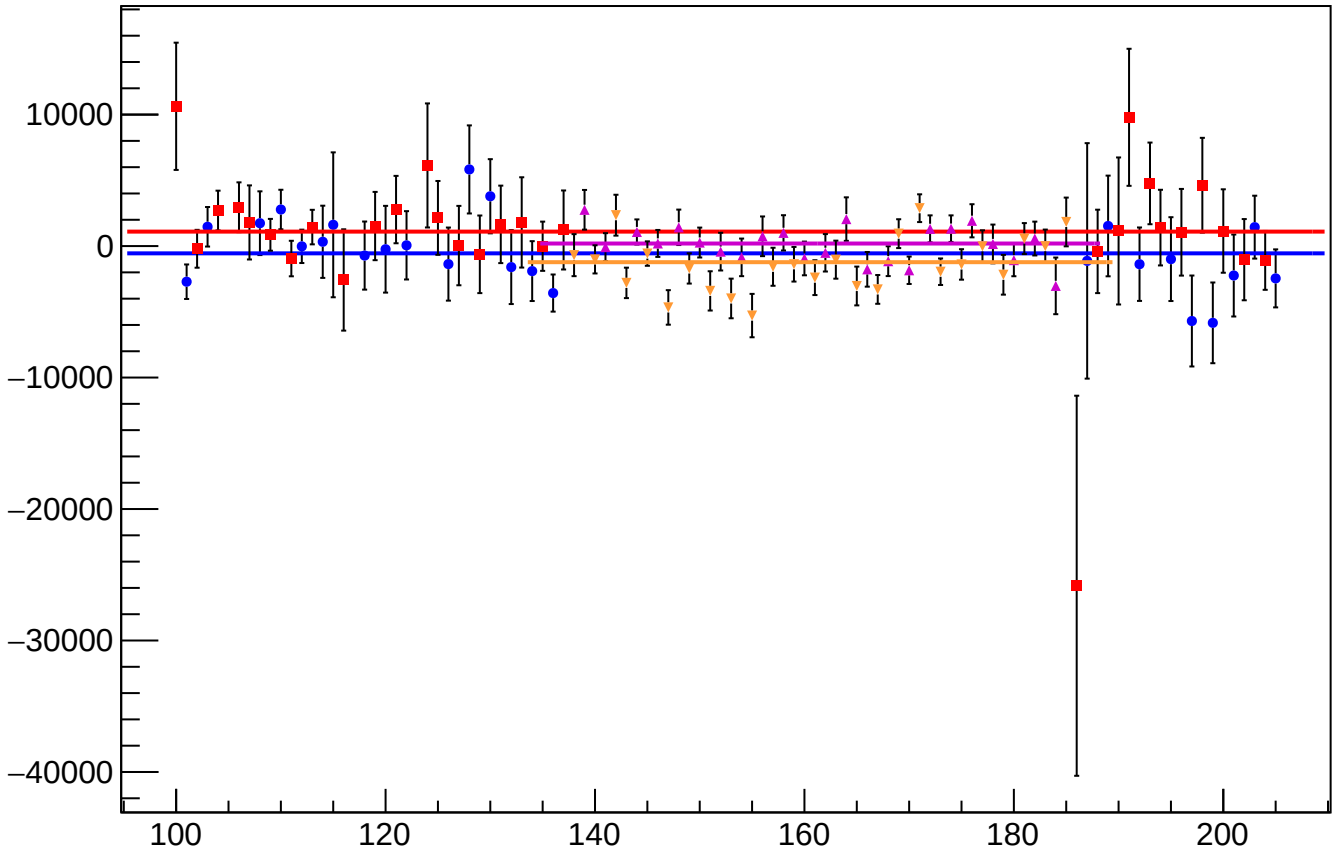
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.819+/-0.021 χ^2/NDF: 3964139.5/54

In: 147.776+/-0.019 χ^2/NDF:2275048.0/47

Out: 147.694+/-0.018 χ^2/NDF:3279431.8/54

All: 147.734+/-0.013 χ^2/NDF: 5554489.7/102



Right In: -553.545+/-449.122 χ^2/NDF: 29.3/24

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1099.787+/-426.007 χ^2/NDF: 23.1/29

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

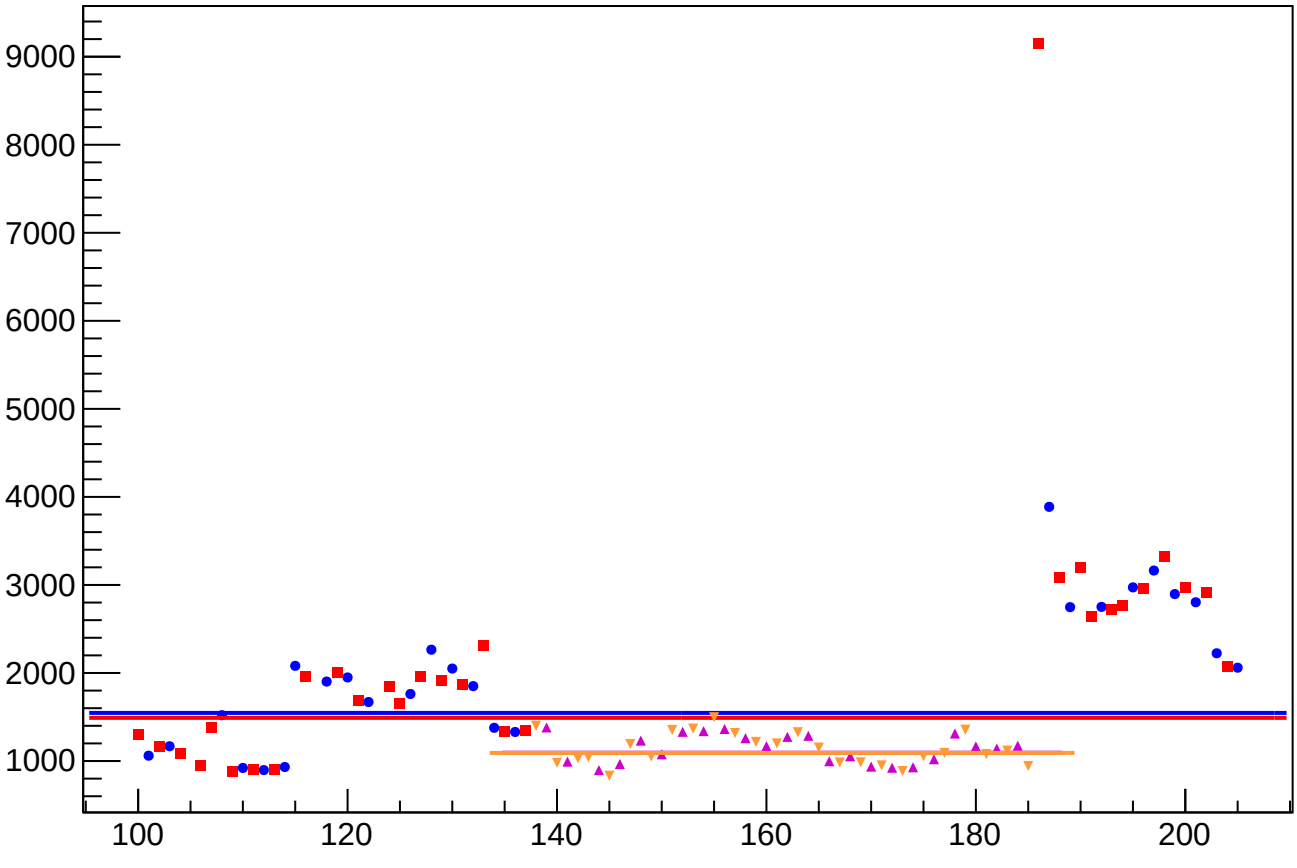
Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

Right: 316.761+/-309.081 χ^2/NDF: 59.5/54

In: 7.380+/-224.315 χ^2/NDF:54.7/47

Out: -623.229+/-216.745 χ^2/NDF:104.4/54

All: -318.744+/-155.869 χ^2/NDF: 163.2/102



Right In: 1546.536+/-0.318 χ^2/NDF: 4235004.2/24

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1490.346+/-0.301 χ^2/NDF: 6067074.3/29

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

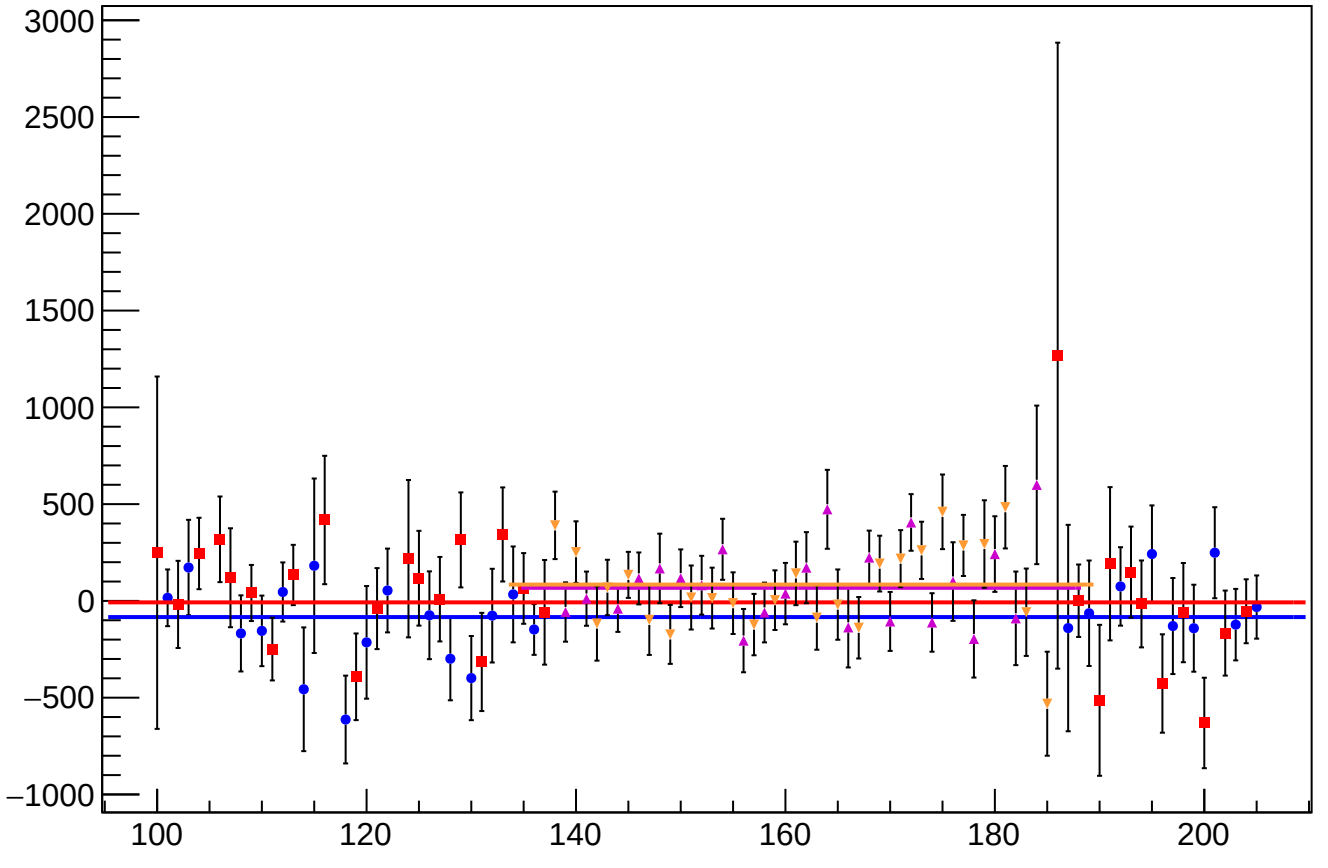
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1516.958+/-0.219 χ^2/NDF: 10318557.8/54

In: 1207.245+/-0.159 χ^2/NDF:6488760.9/47

Out: 1195.100+/-0.153 χ^2/NDF:8255684.0/54

All: 1200.964+/-0.110 χ^2/NDF: 14747476.8/1



Right In: -83.583+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: -7.612+/-41.257 χ^2/NDF: 31.7/29

Left In: 67.648+/-34.137 χ^2/NDF:26.5/22

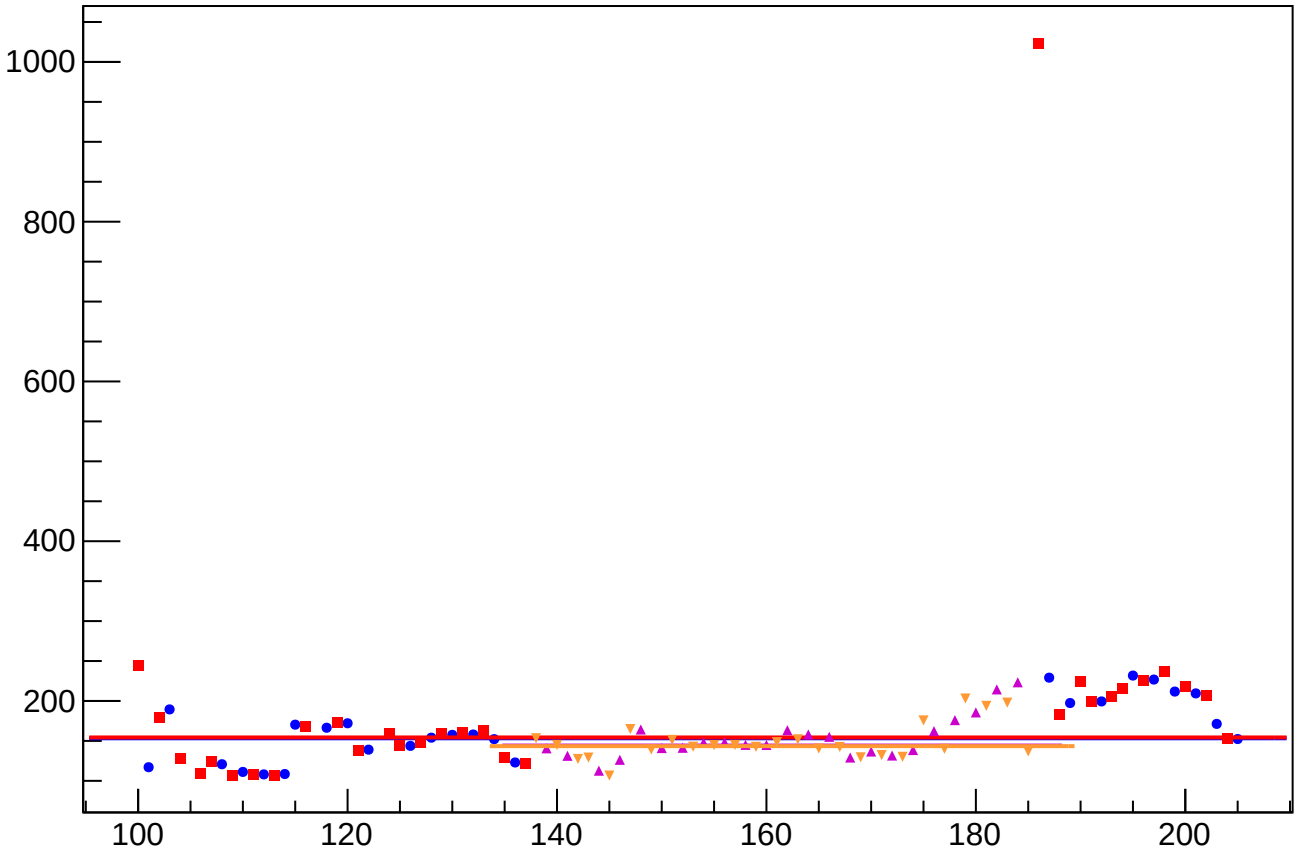
Left: 76.266+/-23.739 χ^2/NDF: 60.5/47

Right: -44.724+/-29.507 χ^2/NDF: 51.8/54

In: 7.859+/-26.545 χ^2/NDF:52.8/47

Out: 48.416+/-25.787 χ^2/NDF:68.5/54

All: 28.724+/-18.496 χ^2/NDF: 122.5/102



Right In: 153.291+/-0.030 χ^2/NDF: 1515886.6/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.324+/-0.029 χ^2/NDF: 2447641.6/29

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

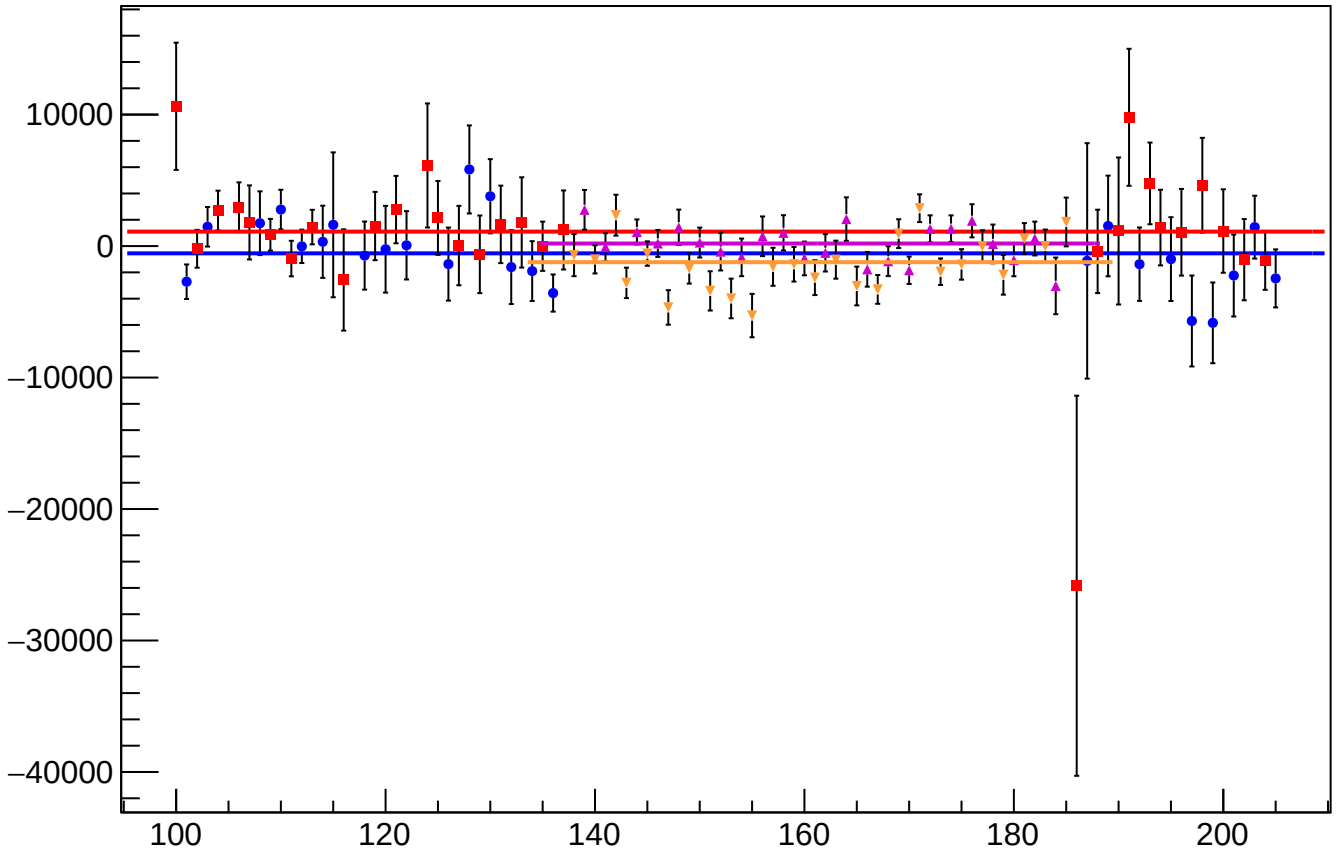
Left: 143.795+/-0.017 χ^2/NDF: 1450223.1/47

Right: 153.819+/-0.021 χ^2/NDF: 3964139.5/54

In: 147.776+/-0.019 χ^2/NDF:2275048.0/47

Out: 147.694+/-0.018 χ^2/NDF:3279431.8/54

All: 147.734+/-0.013 χ^2/NDF: 5554489.7/102



Right In: -553.545+/-449.122 χ^2/NDF: 29.3/24

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: 1099.787+/-426.007 χ^2/NDF: 23.1/29

Left In: 193.808+/-258.922 χ^2/NDF:23.3/22

Left: -535.485+/-180.503 χ^2/NDF: 98.0/47

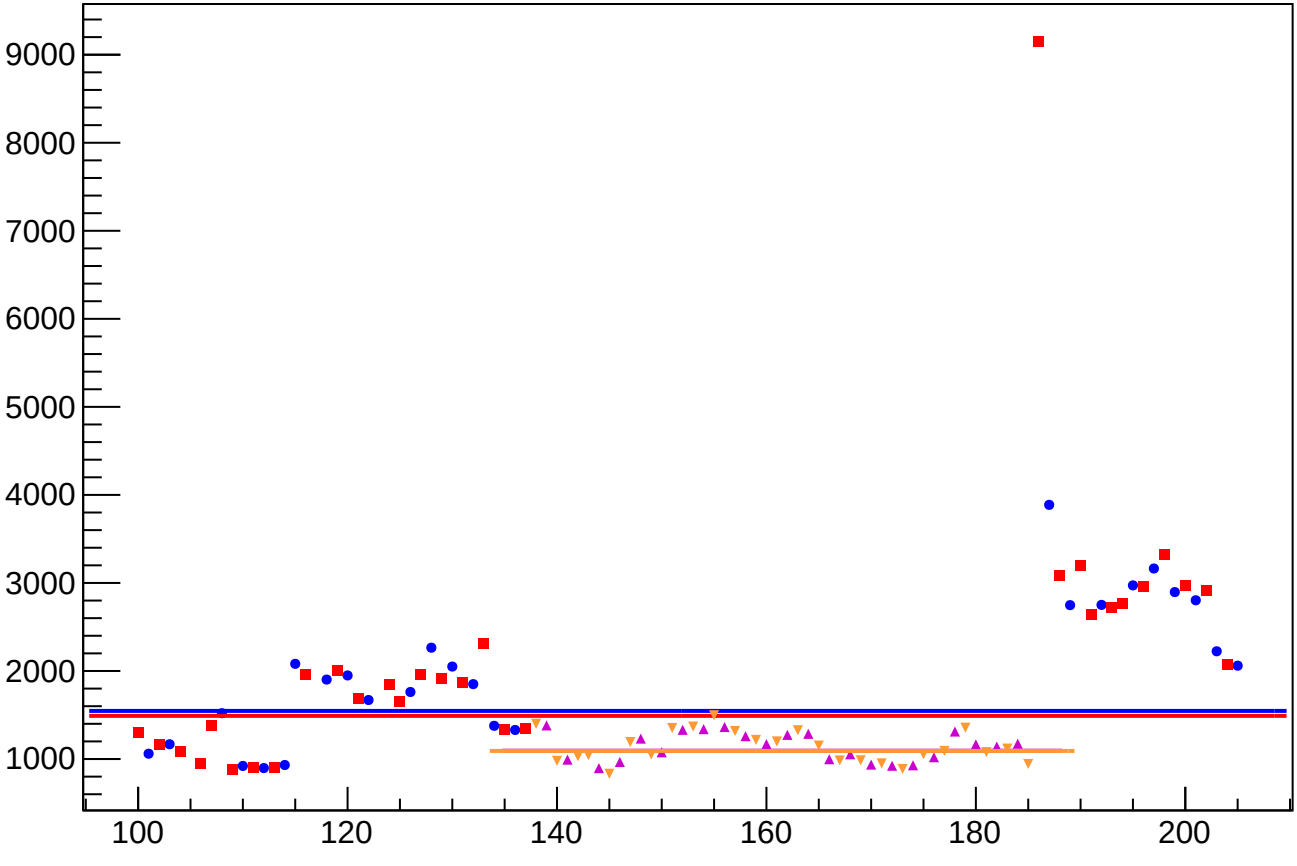
Right: 316.761+/-309.081 χ^2/NDF: 59.5/54

In: 7.380+/-224.315 χ^2/NDF:54.7/47

Out: -623.229+/-216.745 χ^2/NDF:104.4/54

All: -318.744+/-155.869 χ^2/NDF: 163.2/102

asym_sam_48_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1546.536+/-0.318 χ^2/NDF: 4235004.2/24

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1490.346+/-0.301 χ^2/NDF: 6067074.3/29

Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

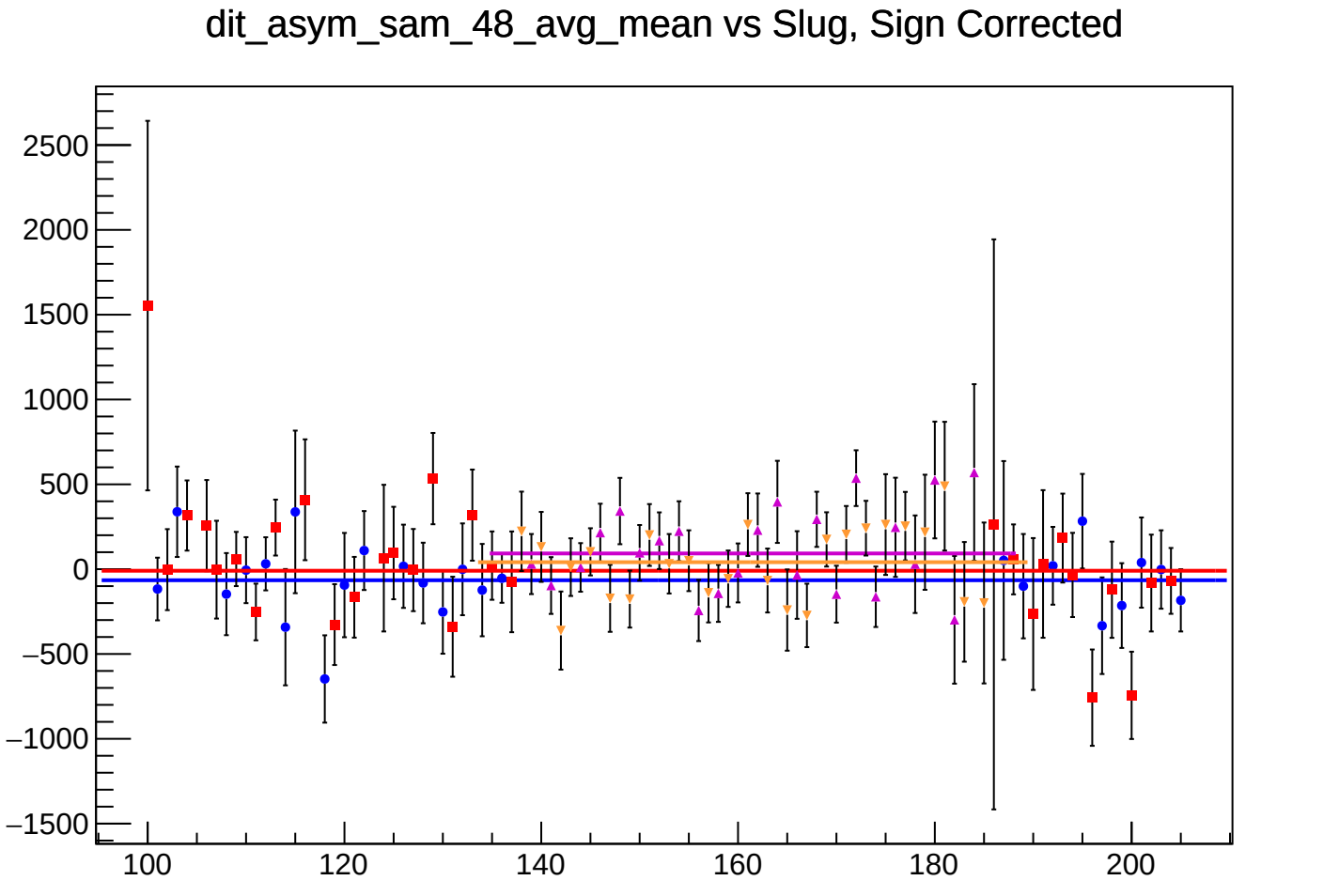
Left: 1093.194+/-0.128 χ^2/NDF: 1625513.3/47

Right: 1516.958+/-0.219 χ^2/NDF: 10318557.8/54

In: 1207.245+/-0.159 χ^2/NDF:6488760.9/47

Out: 1195.100+/-0.153 χ^2/NDF:8255684.0/54

All: 1200.964+/-0.110 χ^2/NDF: 14747476.8/1



Right In: -65.332+/-47.299 χ^2/NDF: 14.5/24

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: -9.348+/-45.768 χ^2/NDF: 37.3/29

Left In: 92.556+/-40.165 χ^2/NDF:29.5/22

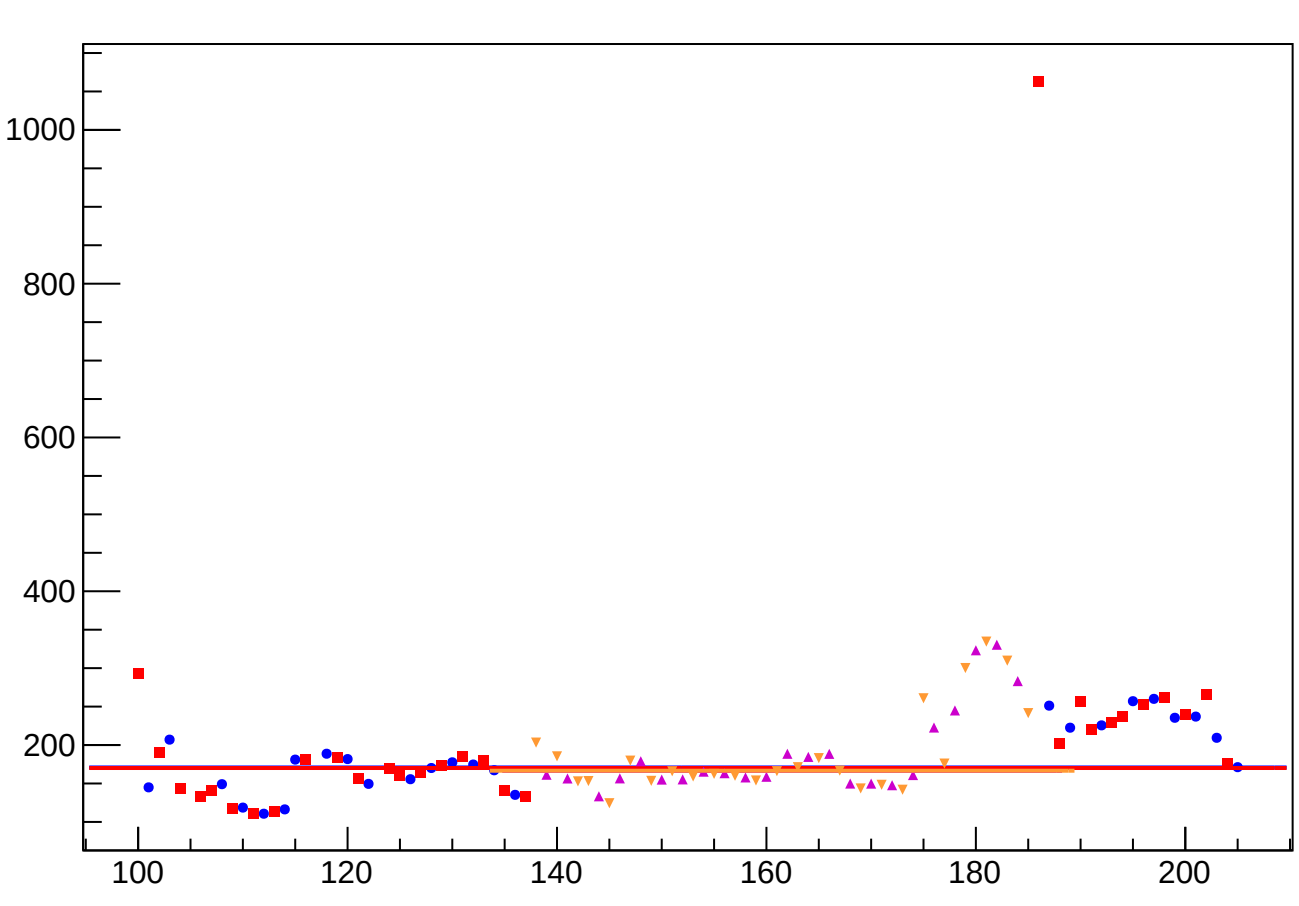
Left: 66.180+/-28.045 χ^2/NDF: 52.7/47

Right: -36.420+/-32.891 χ^2/NDF: 52.5/54

In: 26.404+/-30.616 χ^2/NDF:50.4/47

Out: 19.759+/-29.762 χ^2/NDF:60.3/54

All: 22.987+/-21.340 χ^2/NDF: 110.8/102



Right In: 170.826+/-0.033 χ^2/NDF: 1653372.4/24

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.133+/-0.032 χ^2/NDF: 2644585.5/29

Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

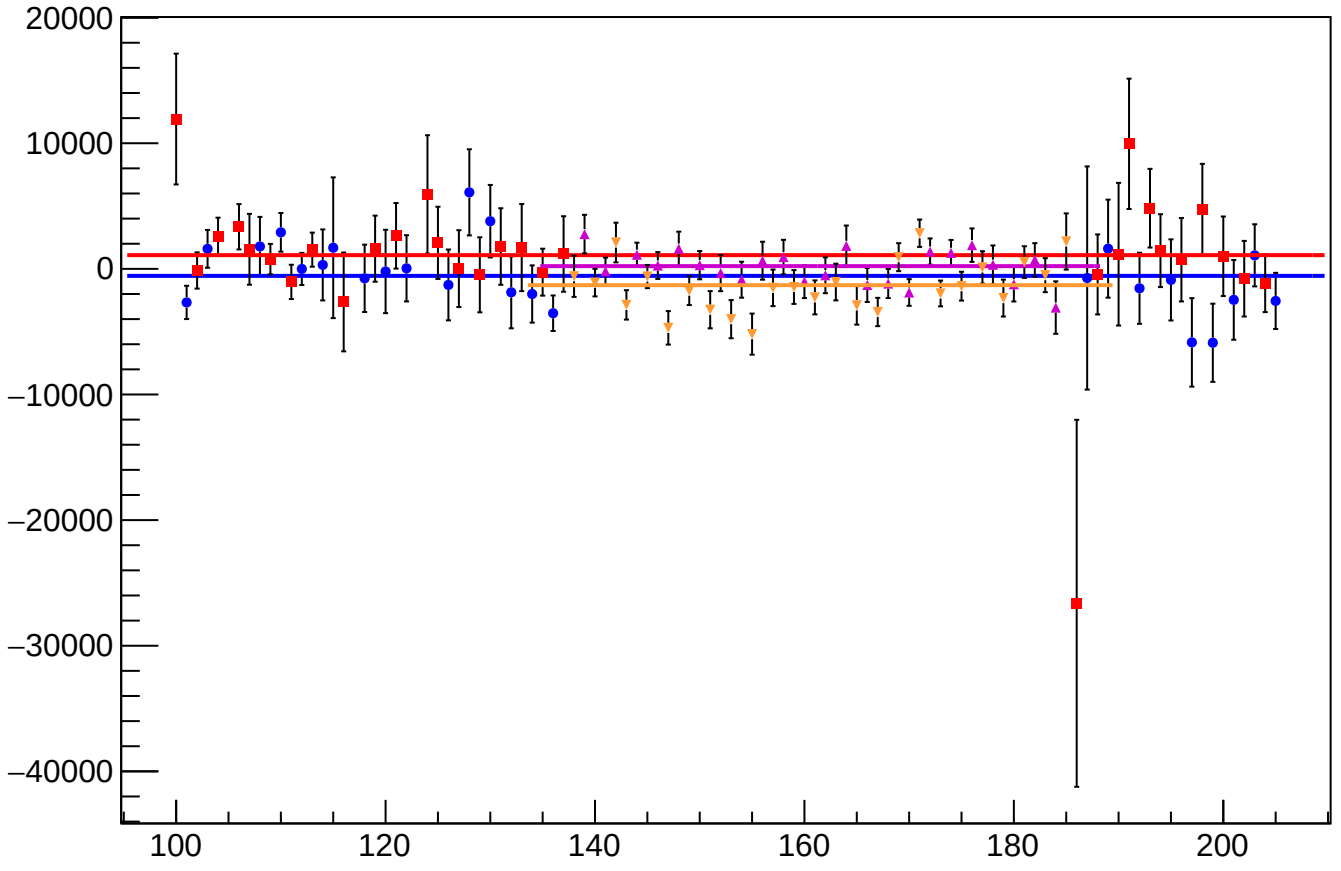
Left: 166.457+/-0.020 χ^2/NDF: 3112355.5/47

Right: 170.468+/-0.023 χ^2/NDF: 4298179.8/54

In: 168.201+/-0.022 χ^2/NDF:3056442.3/47

Out: 168.093+/-0.021 χ^2/NDF:4371305.3/54

All: 168.146+/-0.015 χ^2/NDF: 7427760.4/102



Right In: -557.456+/-454.146 χ^2/NDF: 29.5/24

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: 1091.654+/-429.013 χ^2/NDF: 24.2/29

Left In: 217.285+/-264.388 χ^2/NDF:22.2/22

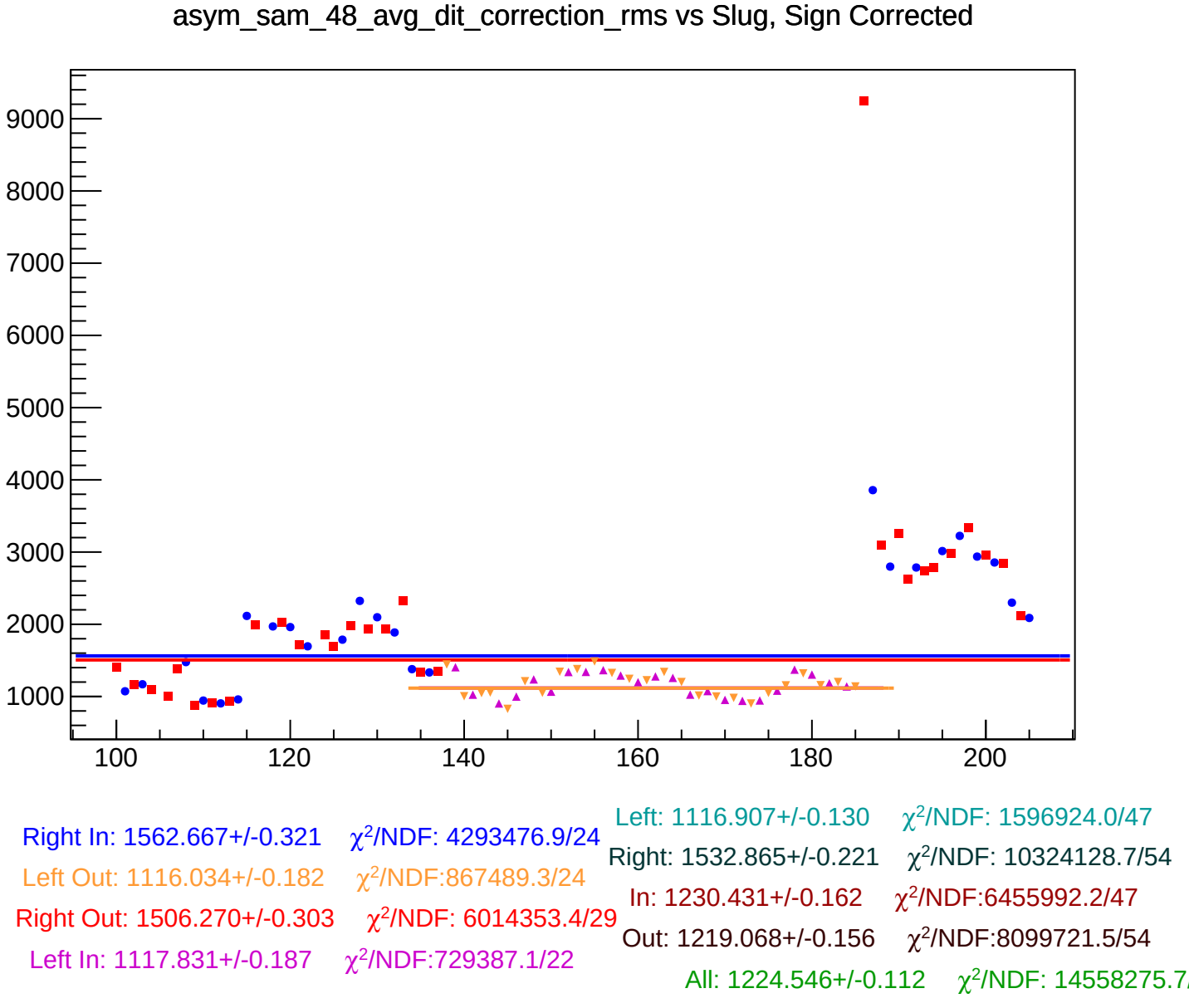
Left: -562.110+/-184.269 χ^2/NDF: 94.2/47

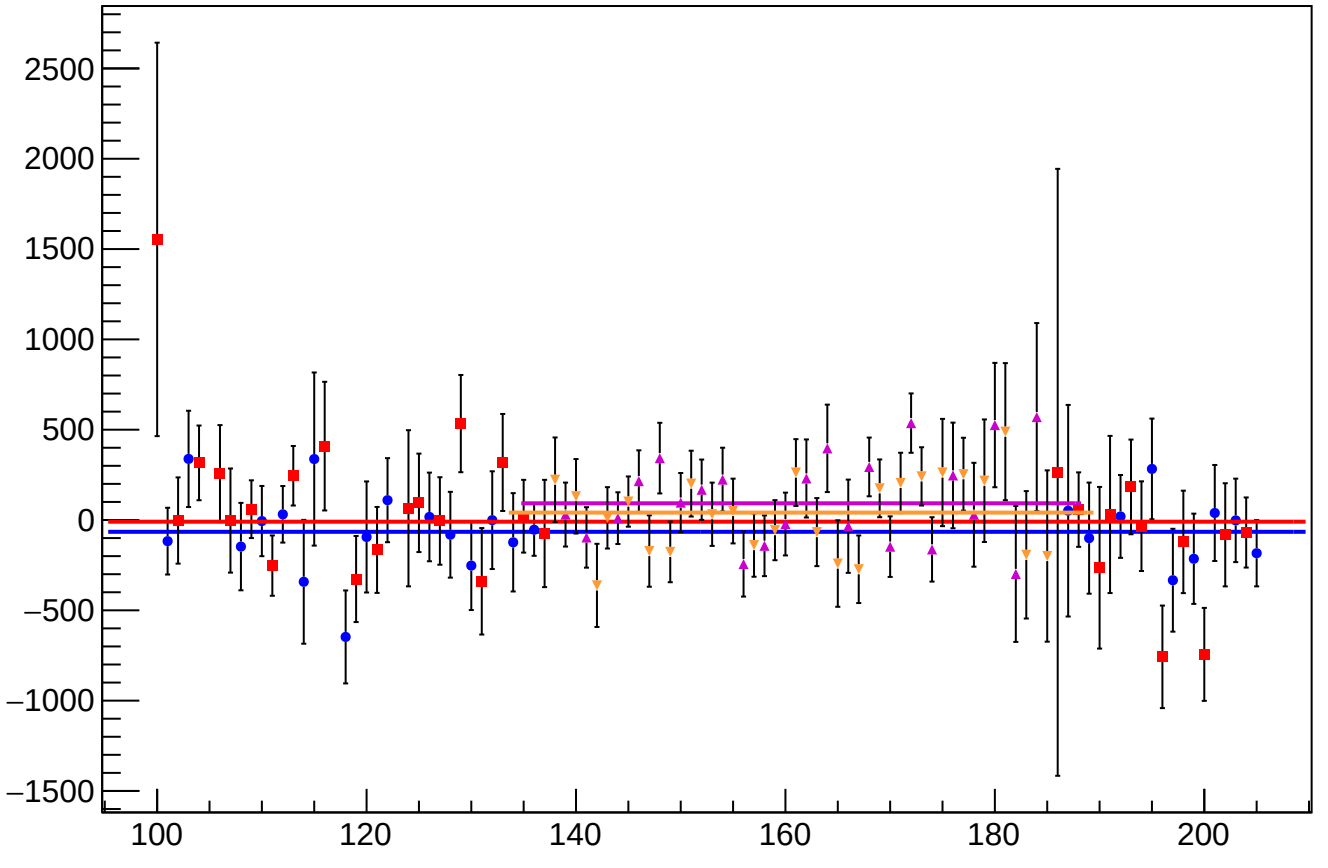
Right: 313.991+/-311.865 χ^2/NDF: 60.7/54

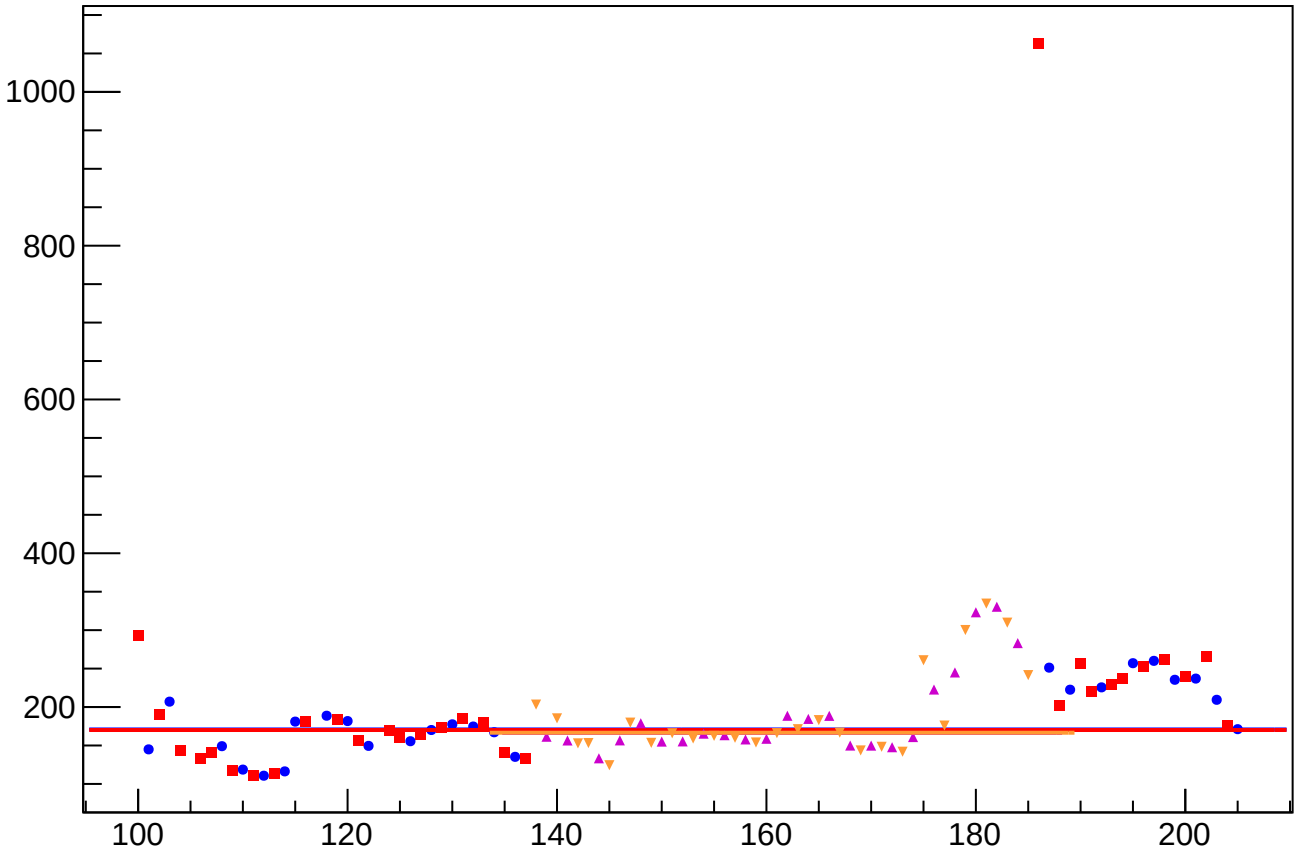
In: 21.177+/-228.489 χ^2/NDF:53.9/47

Out: -667.304+/-220.444 χ^2/NDF:102.1/54

All: -335.398+/-158.645 χ^2/NDF: 160.8/102


asym_sam_48_avg_dit_correction_rms vs Slug, Sign Corrected
9000
8000
7000
6000
5000
4000
3000
2000
1000
100
120
140
160
180
200
Right In: 1562.667+/-0.321 χ²/NDF: 4293476.9/24
Left Out: 1116.034+/-0.182 χ²/NDF:867489.3/24
Right Out: 1506.270+/-0.303 χ²/NDF: 6014353.4/29
Left In: 1117.831+/-0.187 χ²/NDF:729387.1/22
Left: 1116.907+/-0.130 χ²/NDF: 1596924.0/47
Right: 1532.865+/-0.221 χ²/NDF: 10324128.7/54
In: 1230.431+/-0.162 χ²/NDF:6455992.2/47
Out: 1219.068+/-0.156 χ²/NDF:8099721.5/54
All: 1224.546+/-0.112 χ²/NDF: 14558275.7/


eigen_dit_asym_sam_48_avg_mean vs Slug, Sign Corrected
2500
2000
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -65.329+/-47.298 χ²/NDF: 14.5/24
Left Out: 41.088+/-39.177 χ²/NDF:22.3/24
Right Out: -9.349+/-45.768 χ²/NDF: 37.3/29
Left In: 92.556+/-40.165 χ²/NDF:29.5/22
Left: 66.181+/-28.045 χ²/NDF: 52.7/47
Right: -36.419+/-32.890 χ²/NDF: 52.5/54
In: 26.405+/-30.616 χ²/NDF:50.4/47
Out: 19.760+/-29.762 χ²/NDF:60.3/54
All: 22.988+/-21.340 χ²/NDF: 110.8/102



Right In: 170.826+/-0.033 χ^2/NDF: 1653360.4/24

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

Right Out: 170.133+/-0.032 χ^2/NDF: 2644592.1/29

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

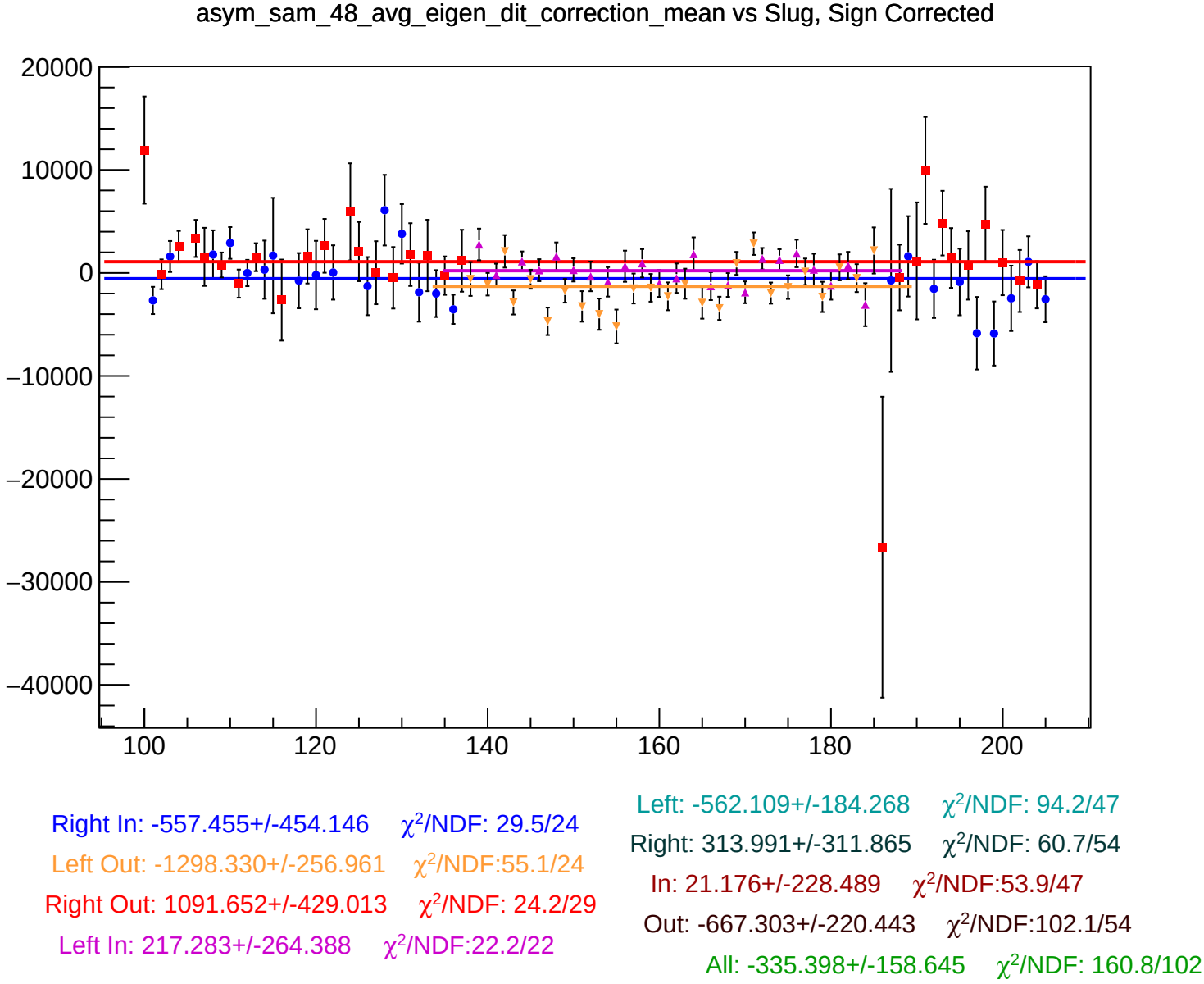
Left: 166.457+/-0.020 χ^2/NDF: 3112329.1/47

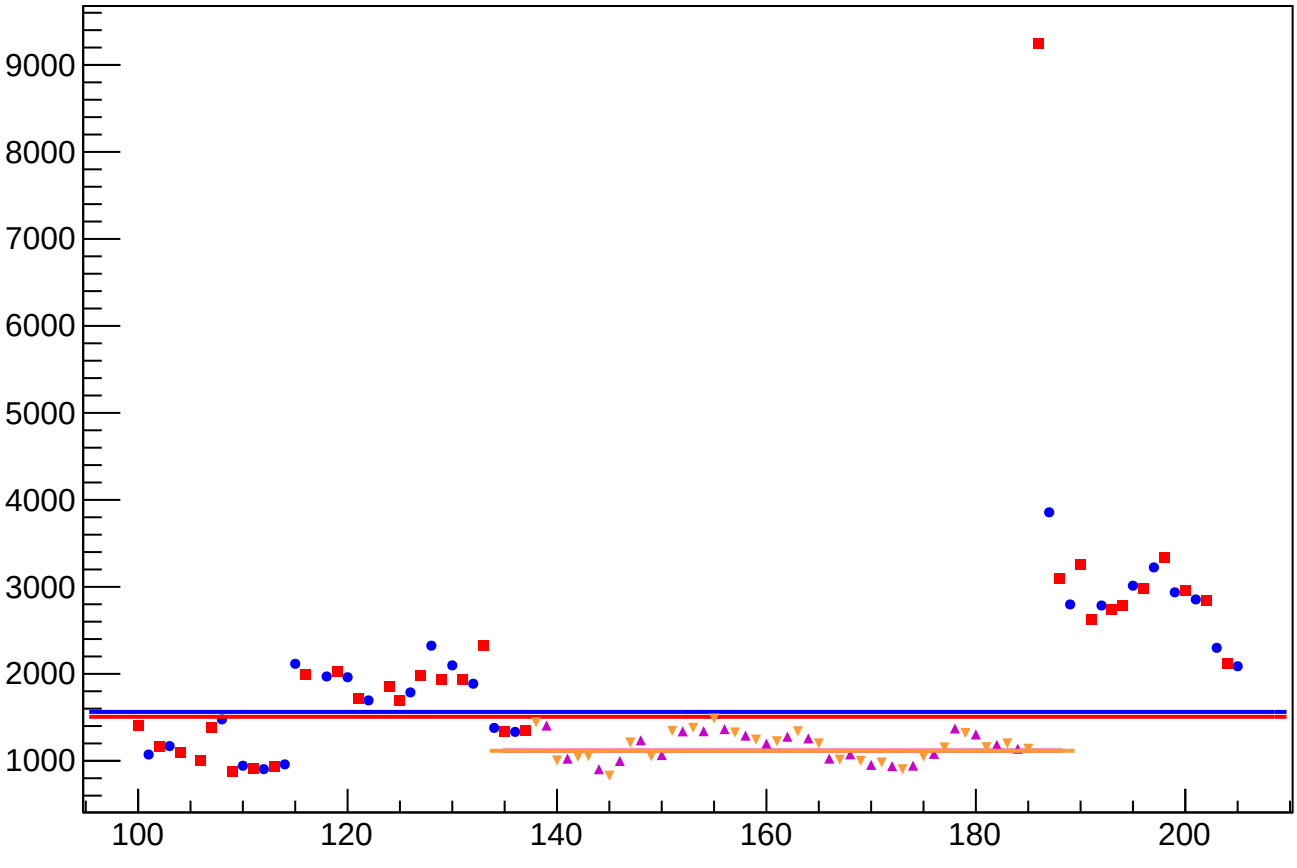
Right: 170.468+/-0.023 χ^2/NDF: 4298174.3/54

In: 168.201+/-0.022 χ^2/NDF:3056408.4/47

Out: 168.093+/-0.021 χ^2/NDF:4371304.4/54

All: 168.146+/-0.015 χ^2/NDF: 7427725.6/102


asym_sam_48_avg_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -557.455+/-454.146 χ²/NDF: 29.5/24
Left Out: -1298.330+/-256.961 χ²/NDF:55.1/24
Right Out: 1091.652+/-429.013 χ²/NDF: 24.2/29
Left In: 217.283+/-264.388 χ²/NDF:22.2/22
Left: -562.109+/-184.268 χ²/NDF: 94.2/47
Right: 313.991+/-311.865 χ²/NDF: 60.7/54
In: 21.176+/-228.489 χ²/NDF:53.9/47
Out: -667.303+/-220.443 χ²/NDF:102.1/54
All: -335.398+/-158.645 χ²/NDF: 160.8/102



Right In: 1562.665+/-0.321 χ^2/NDF: 4293477.4/24

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1506.268+/-0.303 χ^2/NDF: 6014350.8/29

Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

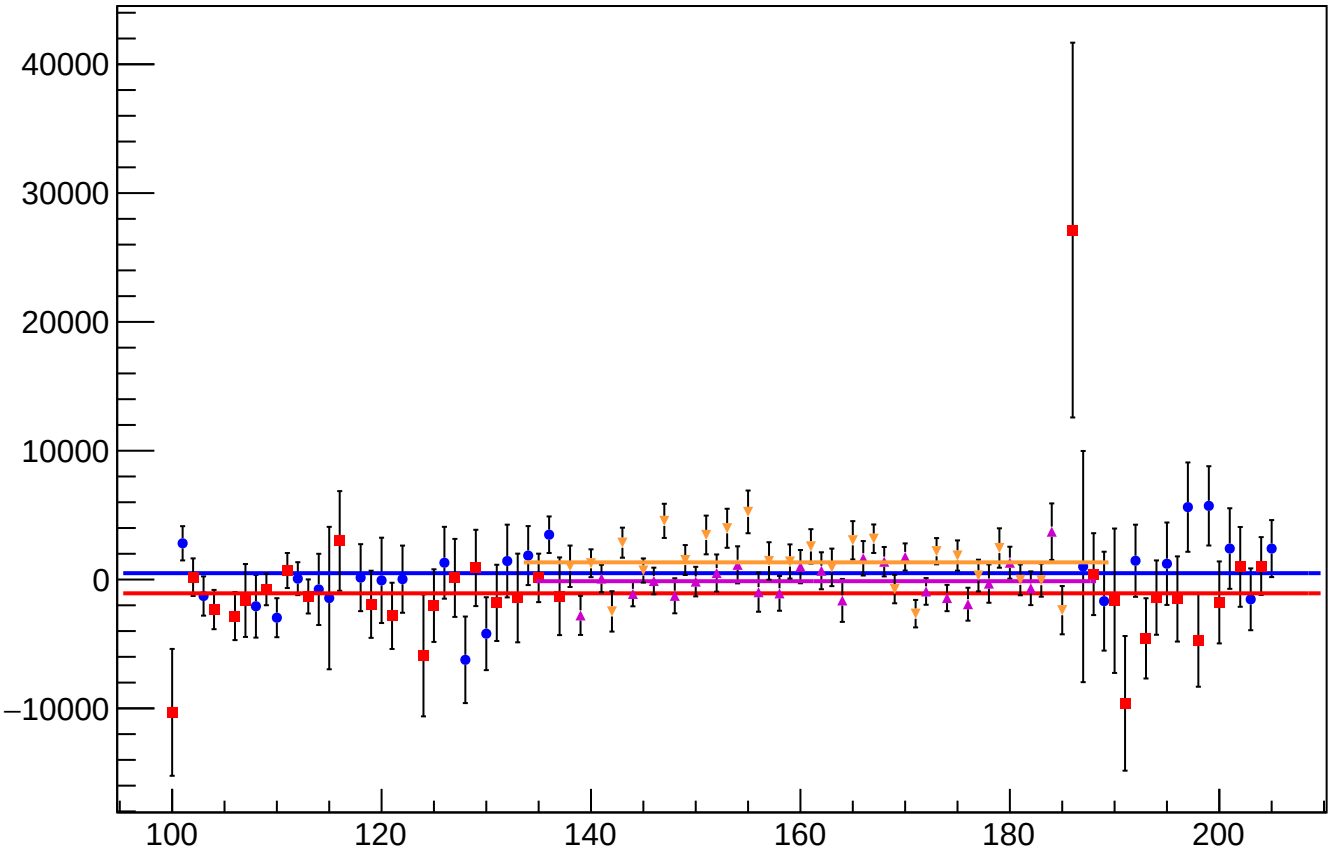
Left: 1116.905+/-0.130 χ^2/NDF: 1596924.8/47

Right: 1532.863+/-0.221 χ^2/NDF: 10324126.6/54

In: 1230.429+/-0.162 χ^2/NDF:6455996.2/47

Out: 1219.066+/-0.156 χ^2/NDF:8099726.0/54

All: 1224.544+/-0.112 χ^2/NDF: 14558284.2/



Right In: 493.822+/-452.050 χ^2/NDF: 30.4/24

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: -1069.455+/-428.224 χ^2/NDF: 21.9/29

Left In: -128.368+/-261.415 χ^2/NDF:24.0/22

Left: 623.675+/-182.239 χ^2/NDF: 95.8/47

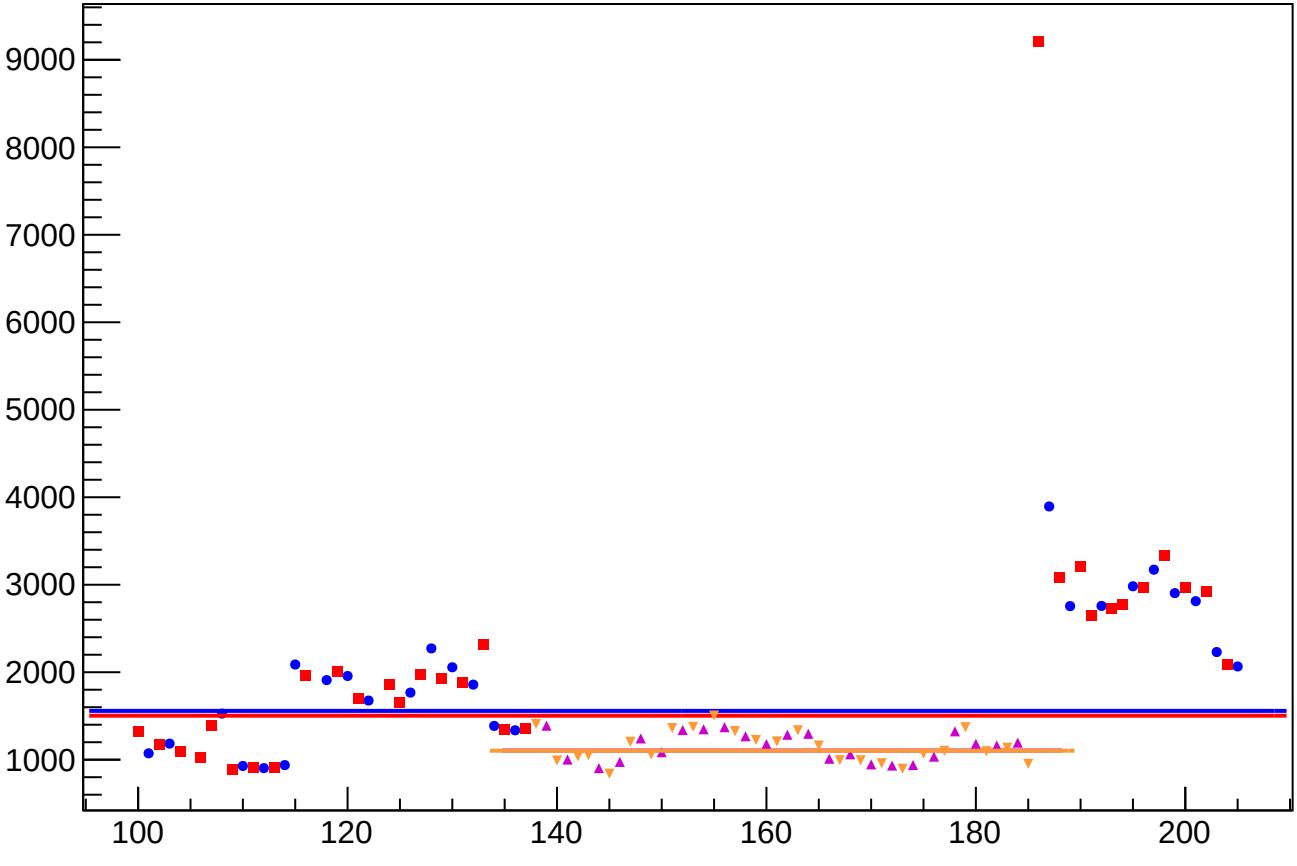
Right: -330.098+/-310.882 χ^2/NDF: 58.6/54

In: 27.559+/-226.300 χ^2/NDF:55.8/47

Out: 708.320+/-218.580 χ^2/NDF:100.9/54

All: 379.750+/-157.218 χ^2/NDF: 161.4/102

asym_sam_48_avg_rms vs Slug, Sign Corrected



Right In: 1558.187+/-0.320 χ^2/NDF: 4186866.3/24

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

Right Out: 1503.422+/-0.303 χ^2/NDF: 5988098.0/29

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

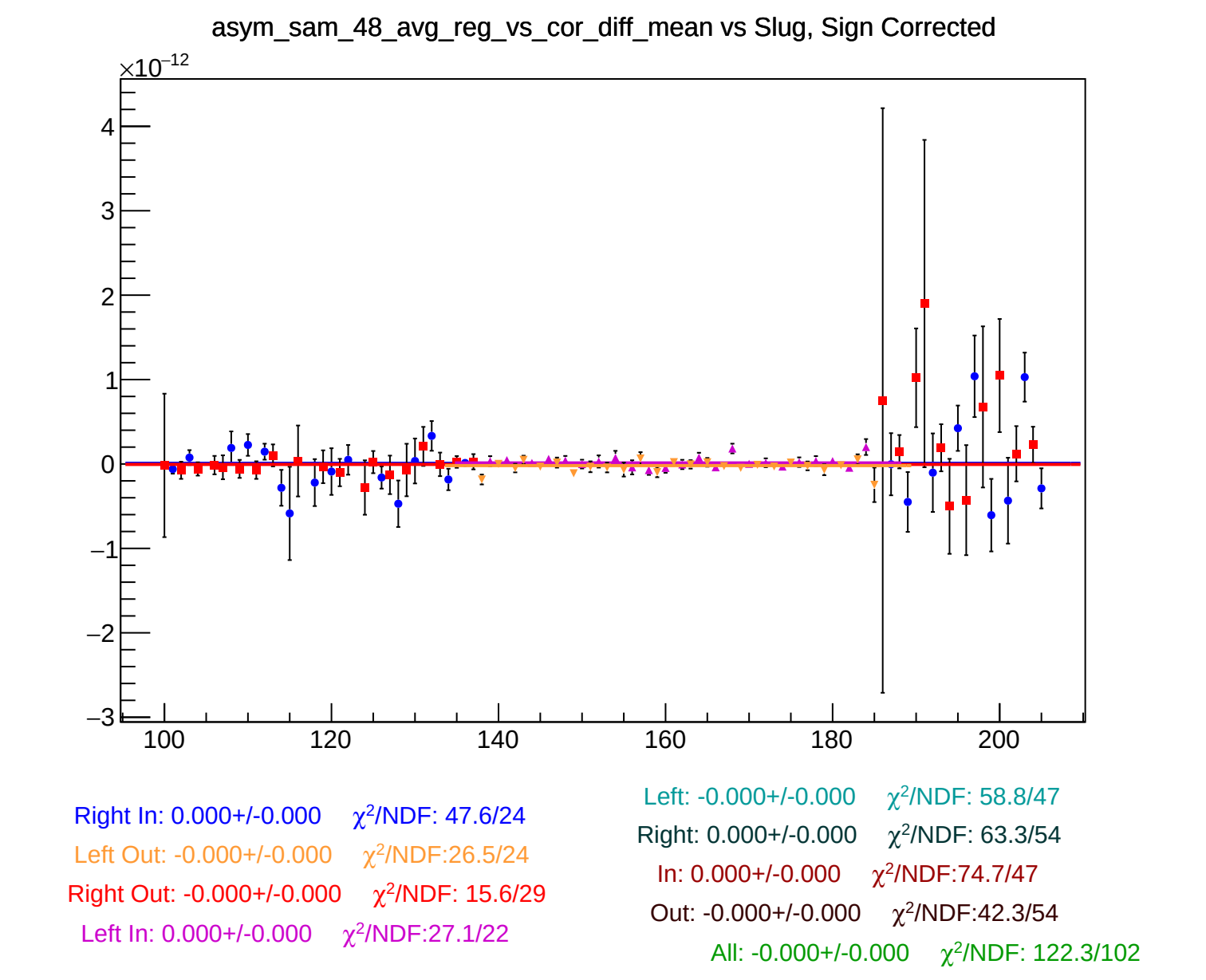
Left: 1103.915+/-0.129 χ^2/NDF: 1603867.1/47

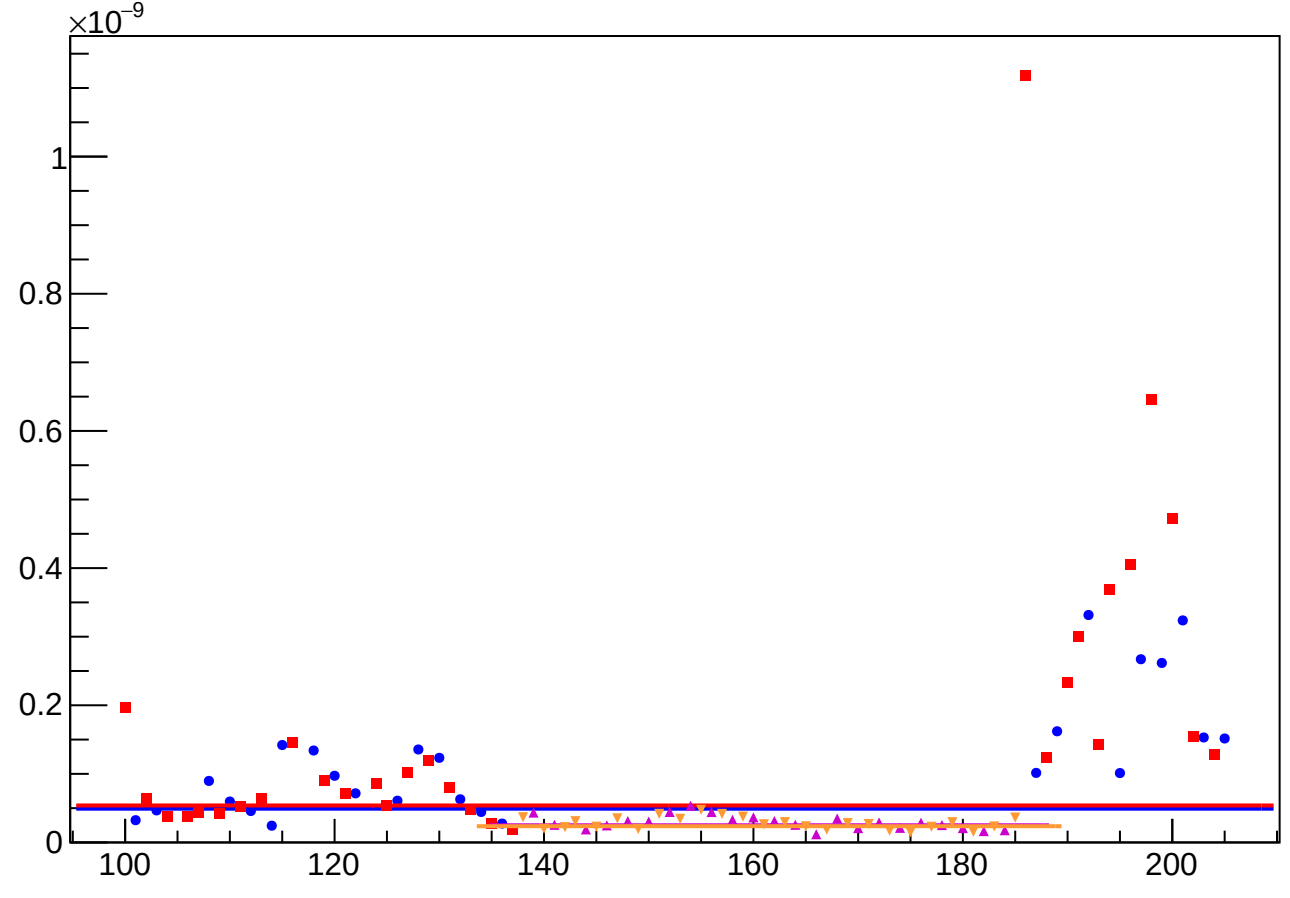
Right: 1529.323+/-0.220 χ^2/NDF: 10190434.8/54

In: 1218.722+/-0.160 χ^2/NDF:6415172.5/47

Out: 1207.105+/-0.155 χ^2/NDF:8163620.3/54

All: 1212.712+/-0.111 χ^2/NDF: 14581519.6/1


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
4
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 47.6/24
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 15.6/29
Left In: 0.000+/-0.000 χ²/NDF:27.1/22
Left: -0.000+/-0.000 χ²/NDF: 58.8/47
Right: 0.000+/-0.000 χ²/NDF: 63.3/54
In: 0.000+/-0.000 χ²/NDF:74.7/47
Out: -0.000+/-0.000 χ²/NDF:42.3/54
All: -0.000+/-0.000 χ²/NDF: 122.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 4631087.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5312464.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

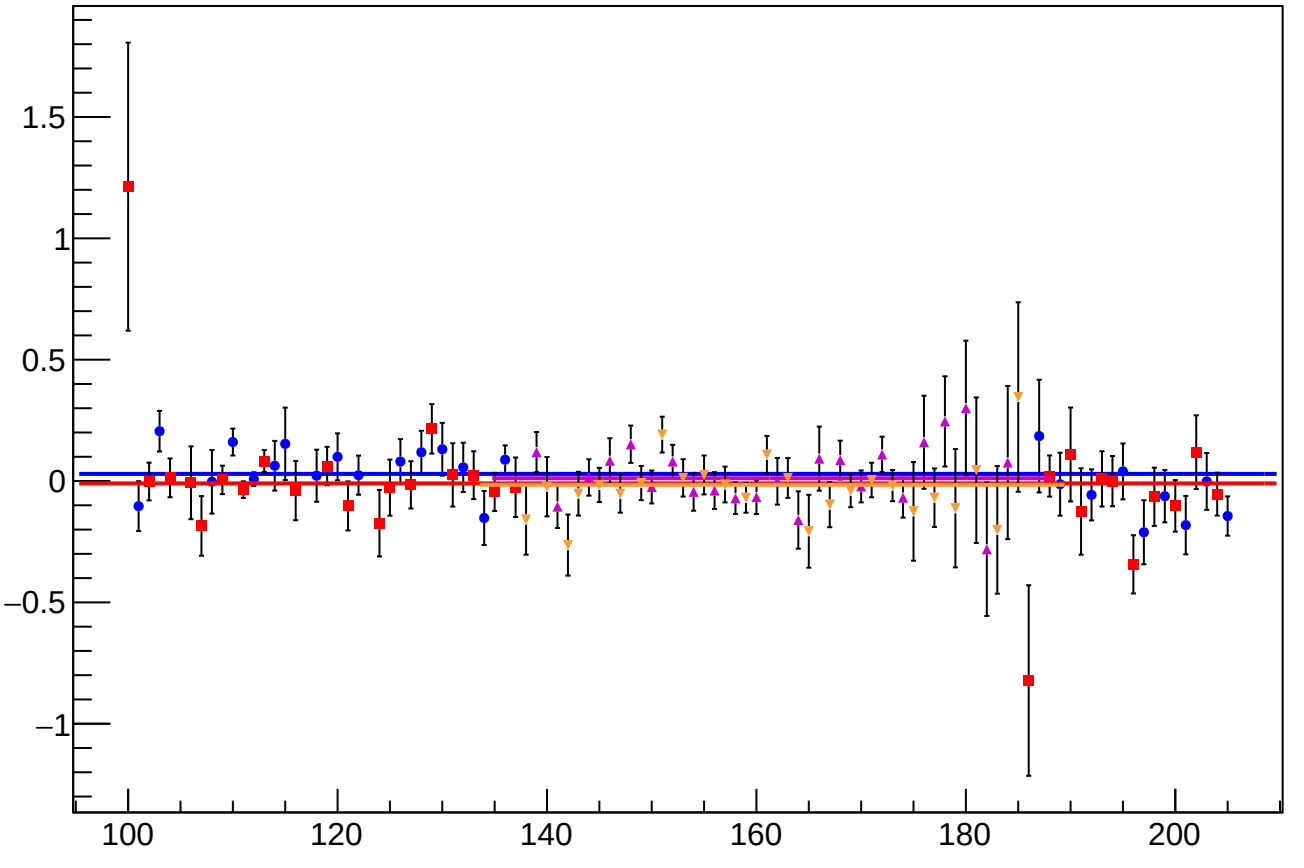
Left: 0.000+/-0.000 χ^2/NDF: 2998078.9/47

Right: 0.000+/-0.000 χ^2/NDF: 9973512.1/54

In: 0.000+/-0.000 χ^2/NDF:7669500.0/47

Out: 0.000+/-0.000 χ^2/NDF:8859842.0/54

All: 0.000+/-0.000 χ^2/NDF: 16559542.8/102



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

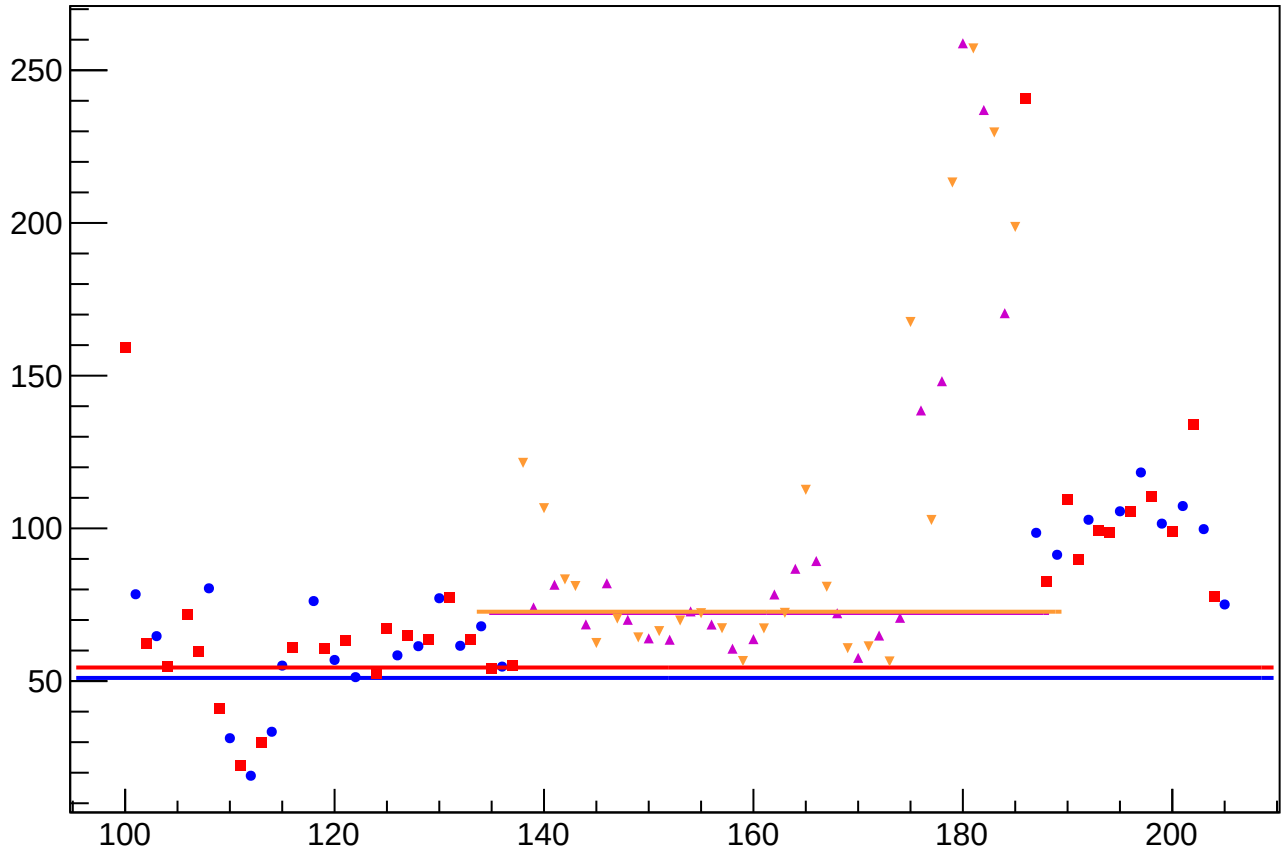
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.010+/-0.011 χ^2/NDF: 70.1/54

In: 0.021+/-0.012 χ^2/NDF:56.5/47

Out: -0.012+/-0.012 χ^2/NDF:56.2/54

All: 0.004+/-0.009 χ^2/NDF: 116.7/102



Right In: 51.033+/-0.011 χ^2/NDF: 6676824.8/24

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 54.447+/-0.011 χ^2/NDF: 6174462.3/29

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

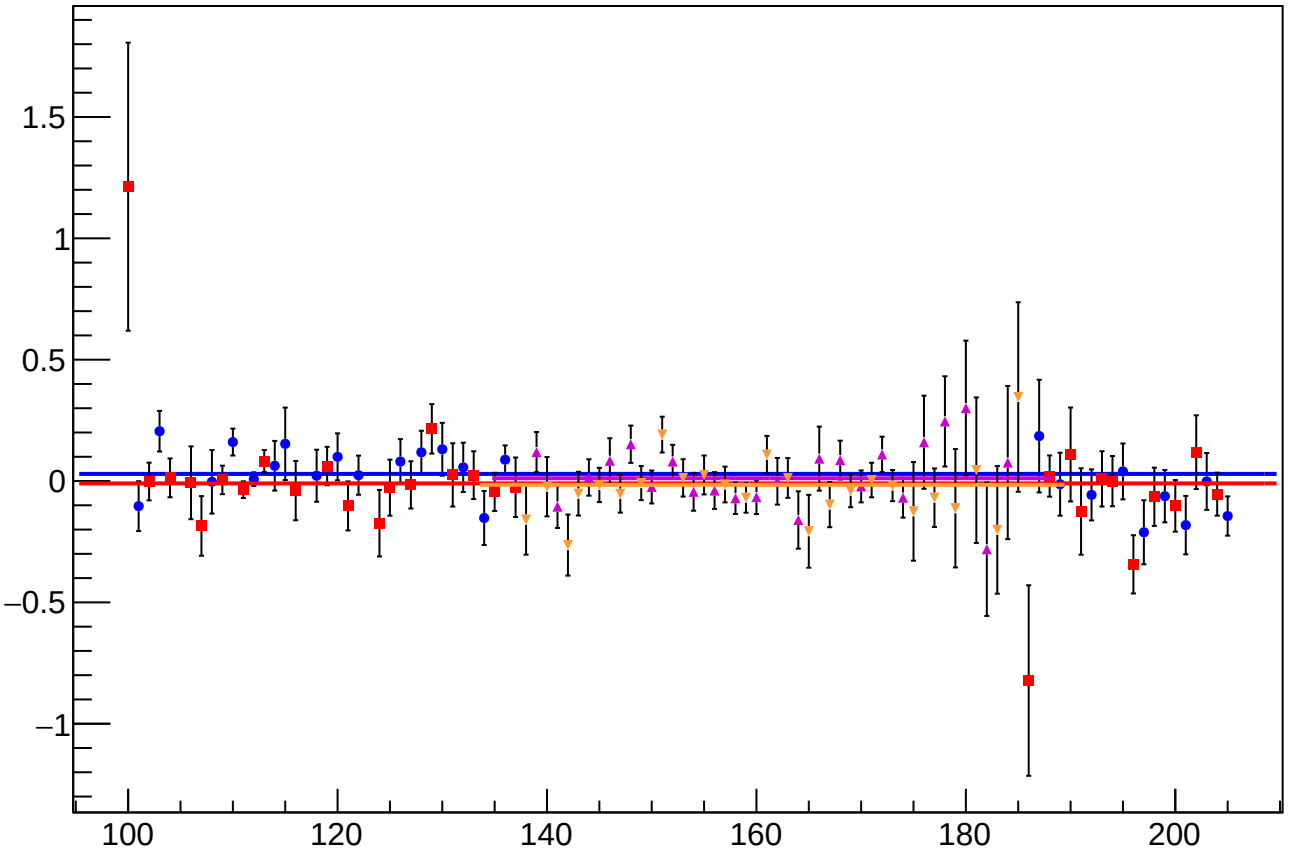
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 52.748+/-0.008 χ^2/NDF: 12896322.7/54

In: 60.351+/-0.009 χ^2/NDF:10991737.0/47

Out: 62.555+/-0.008 χ^2/NDF:11286338.2/54

All: 61.463+/-0.006 χ^2/NDF: 22311673.9/102



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

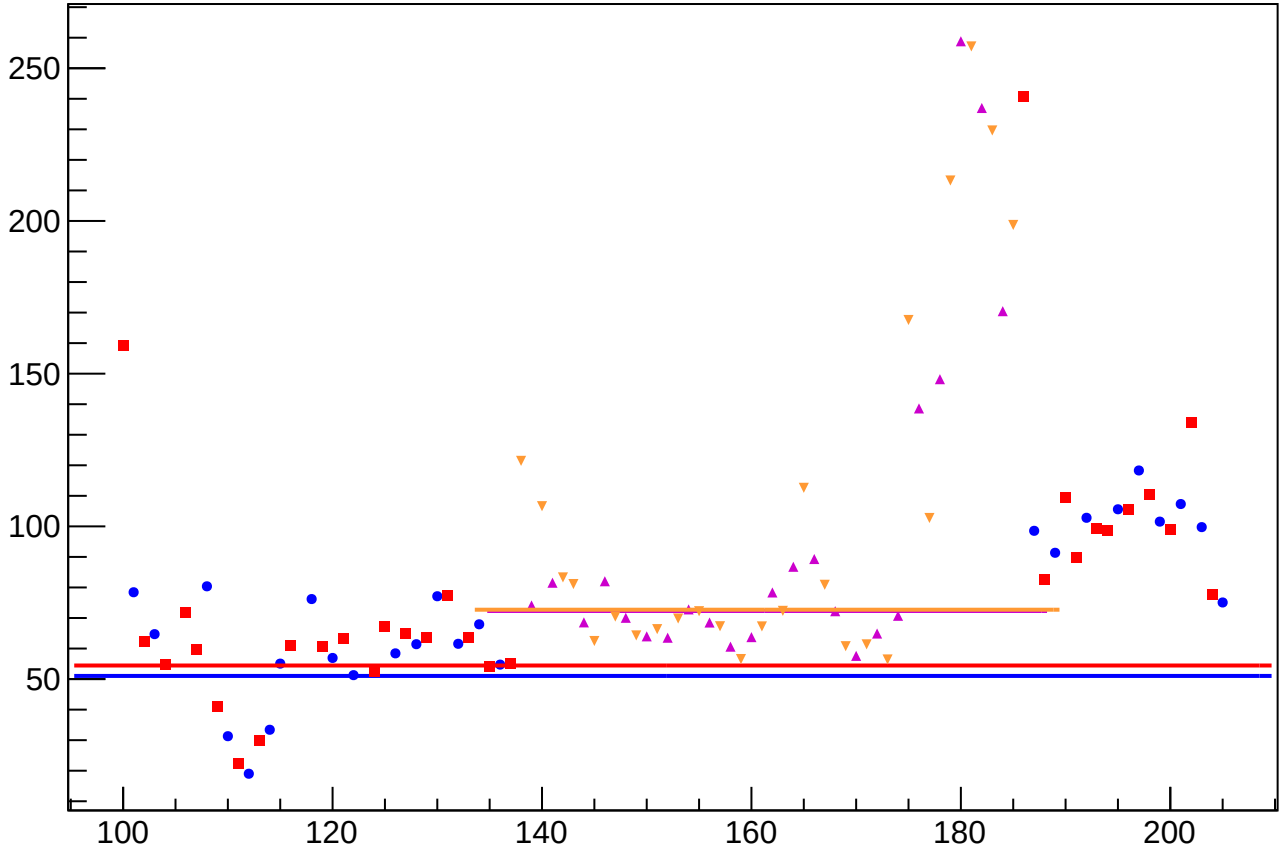
Right: 0.010+/-0.011 χ^2/NDF: 70.1/54

In: 0.021+/-0.012 χ^2/NDF:56.5/47

Out: -0.012+/-0.012 χ^2/NDF:56.2/54

All: 0.004+/-0.009 χ^2/NDF: 116.7/102

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.033+/-0.011 χ^2/NDF: 6676824.8/24

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

Right Out: 54.447+/-0.011 χ^2/NDF: 6174462.3/29

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

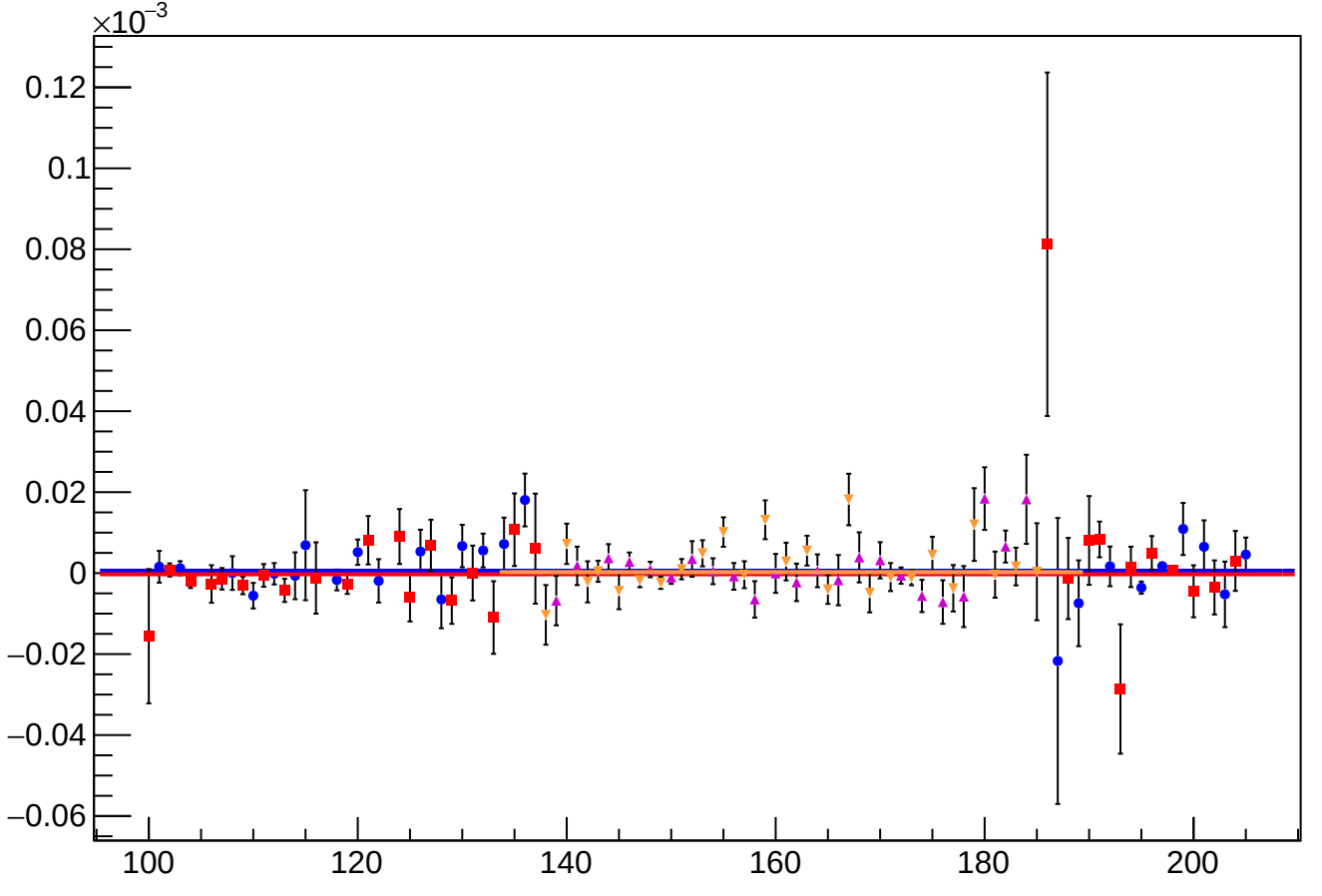
Left: 72.510+/-0.009 χ^2/NDF: 6751905.2/47

Right: 52.748+/-0.008 χ^2/NDF: 12896322.7/54

In: 60.351+/-0.009 χ^2/NDF:10991737.0/47

Out: 62.555+/-0.008 χ^2/NDF:11286338.2/54

All: 61.463+/-0.006 χ^2/NDF: 22311673.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/29

Left In: 0.000+/-0.000 χ^2/NDF:24.1/22

Left: 0.000+/-0.000 χ^2/NDF: 67.4/47

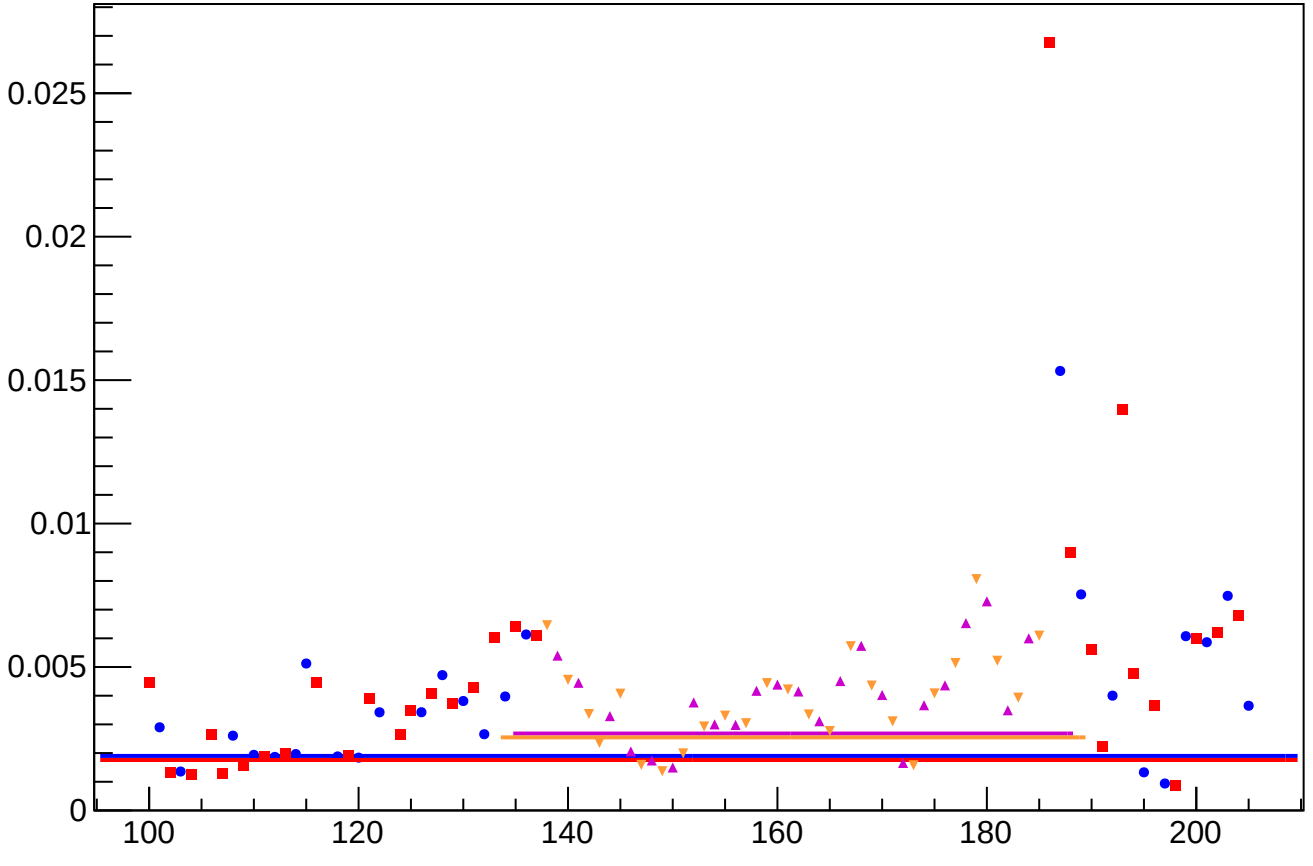
Right: 0.000+/-0.000 χ^2/NDF: 67.8/54

In: 0.000+/-0.000 χ^2/NDF:58.7/47

Out: -0.000+/-0.000 χ^2/NDF:76.0/54

All: 0.000+/-0.000 χ^2/NDF: 135.3/102

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 8100600.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11713863.3/29

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

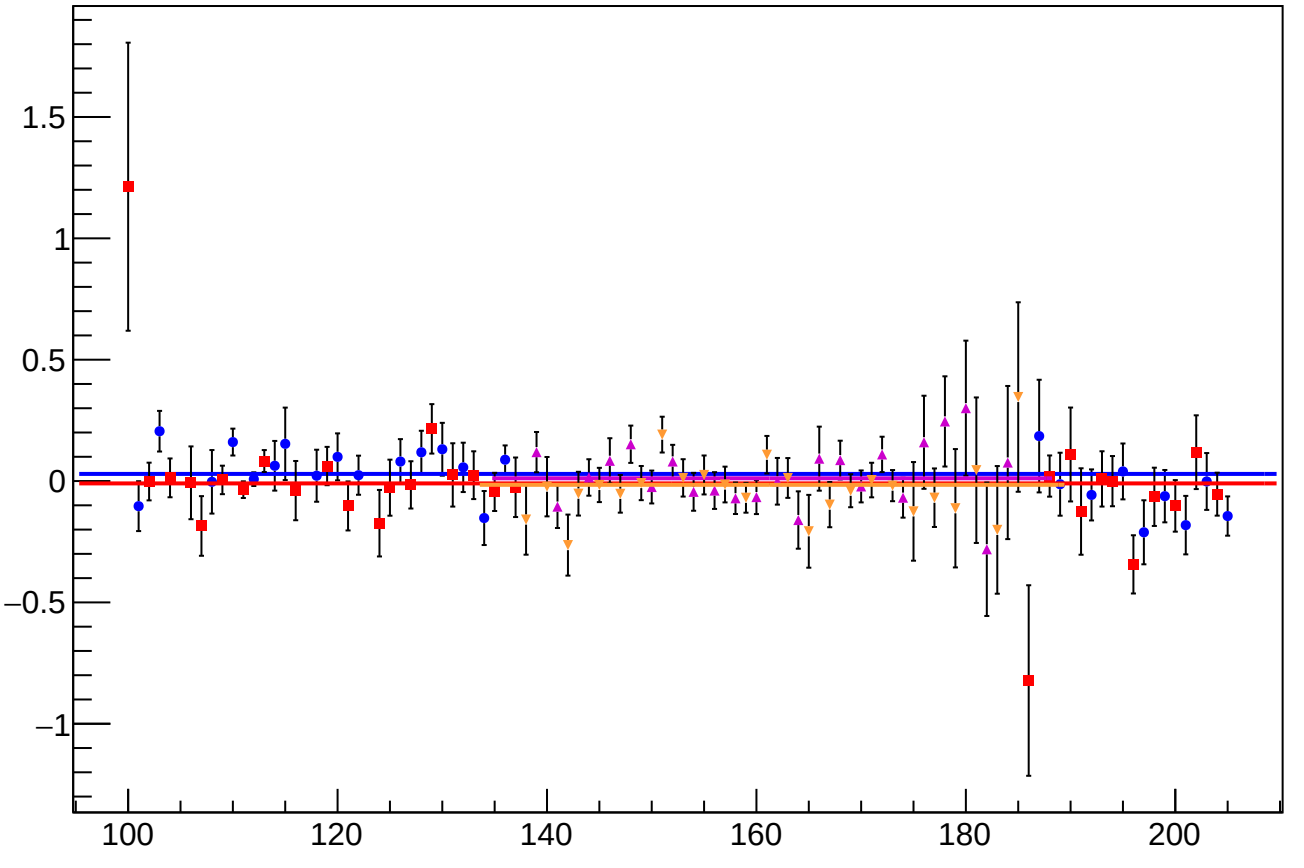
Left: 0.003+/-0.000 χ^2/NDF: 14042947.3/47

Right: 0.002+/-0.000 χ^2/NDF: 19868681.9/54

In: 0.002+/-0.000 χ^2/NDF:15953540.5/47

Out: 0.002+/-0.000 χ^2/NDF:20828166.3/54

All: 0.002+/-0.000 χ^2/NDF: 36877223.3/102



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

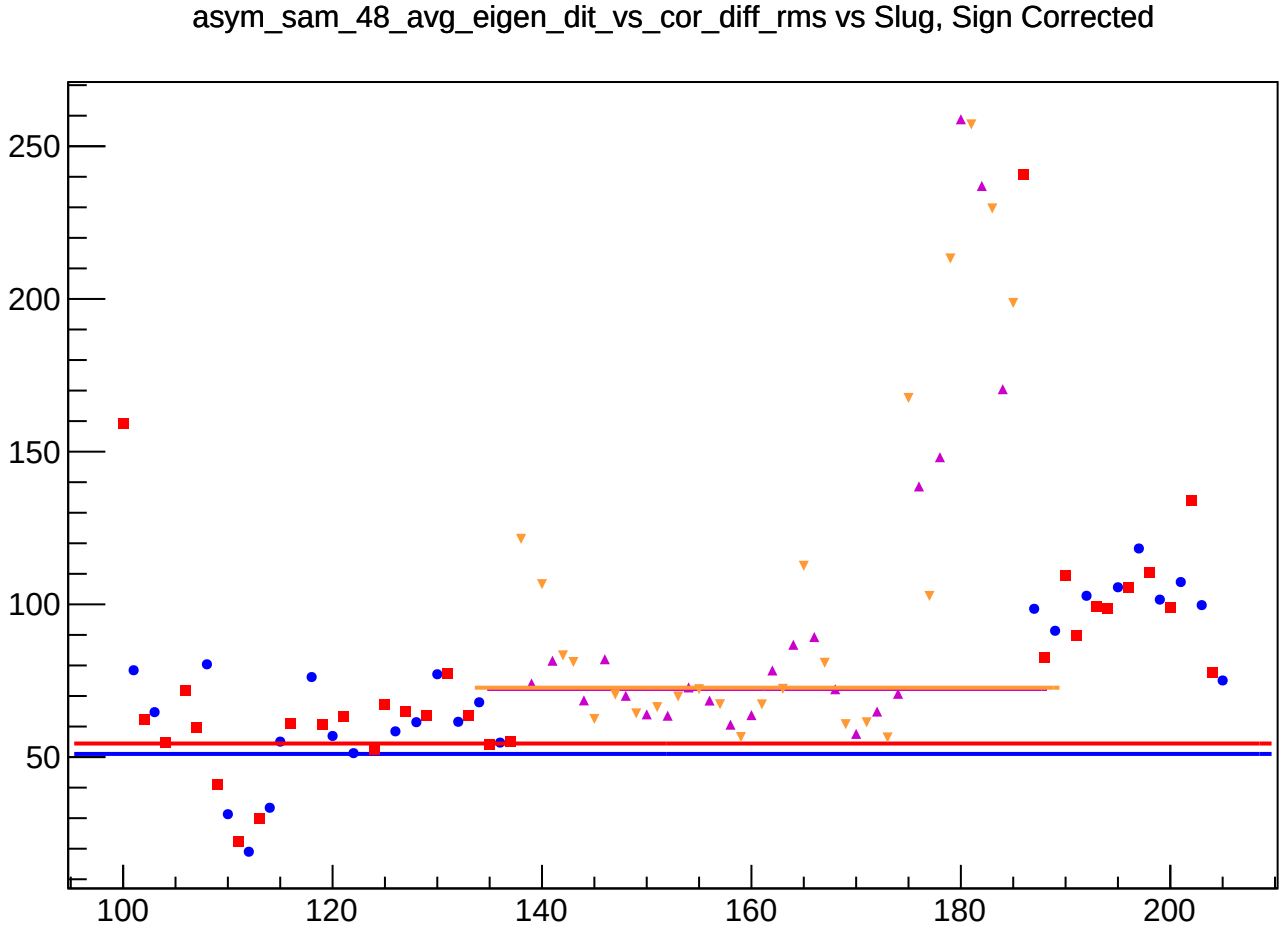
Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

Right: 0.010+/-0.011 χ^2/NDF: 70.1/54

In: 0.021+/-0.012 χ^2/NDF:56.5/47

Out: -0.012+/-0.012 χ^2/NDF:56.2/54

All: 0.004+/-0.009 χ^2/NDF: 116.7/102



Right In: 51.032+/-0.011 χ^2/NDF: 6677051.4/24

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 54.446+/-0.011 χ^2/NDF: 6174754.6/29

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

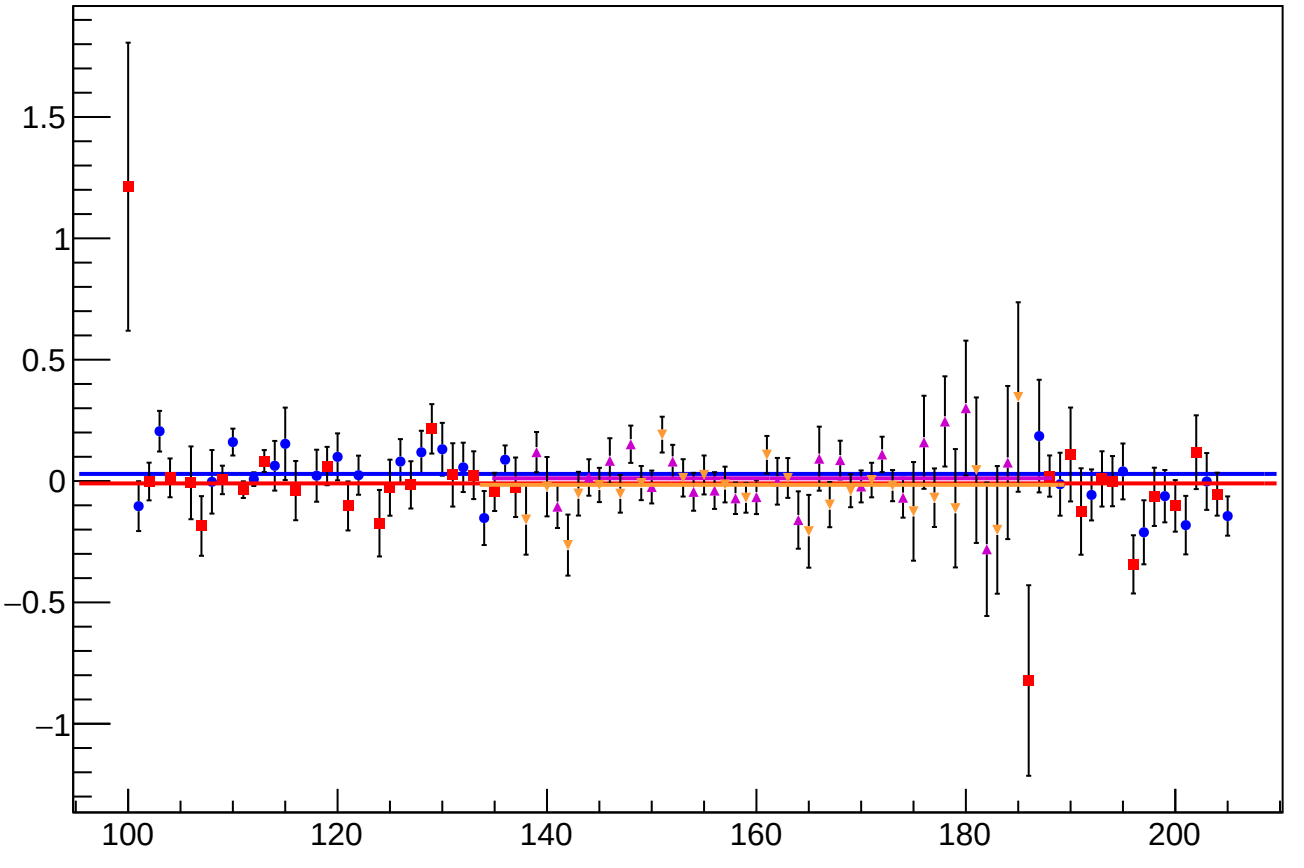
Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

Right: 52.747+/-0.008 χ^2/NDF: 12896843.9/54

In: 60.350+/-0.009 χ^2/NDF:10992131.3/47

Out: 62.554+/-0.008 χ^2/NDF:11286771.4/54

All: 61.463+/-0.006 χ^2/NDF: 22312504.8/102



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.010+/-0.016 χ^2/NDF: 34.5/29

Left In: 0.011+/-0.018 χ^2/NDF:23.3/22

Left: -0.002+/-0.013 χ^2/NDF: 46.1/47

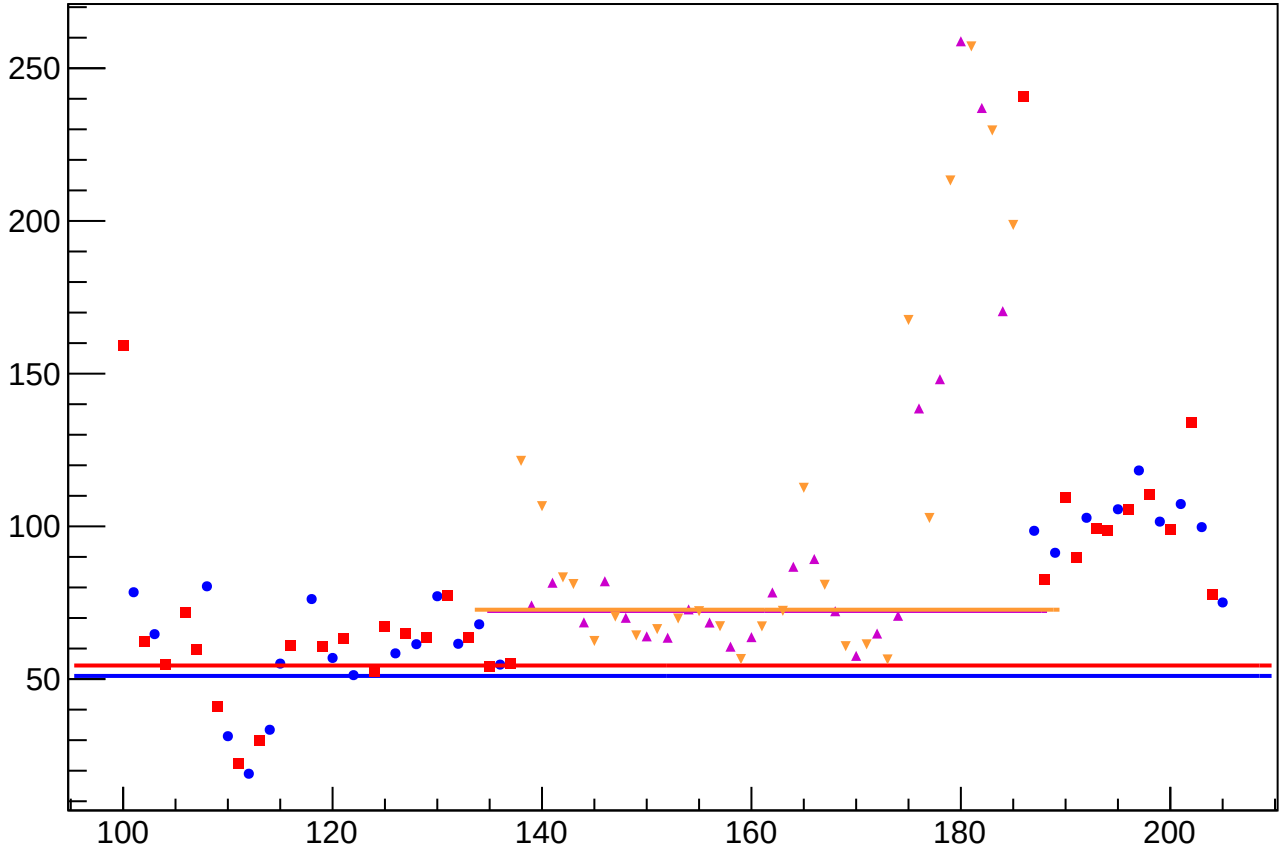
Right: 0.010+/-0.011 χ^2/NDF: 70.1/54

In: 0.021+/-0.012 χ^2/NDF:56.5/47

Out: -0.012+/-0.012 χ^2/NDF:56.2/54

All: 0.004+/-0.009 χ^2/NDF: 116.7/102

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.032+/-0.011 χ^2/NDF: 6677051.4/24

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

Right Out: 54.446+/-0.011 χ^2/NDF: 6174754.6/29

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

Left: 72.510+/-0.009 χ^2/NDF: 6751779.3/47

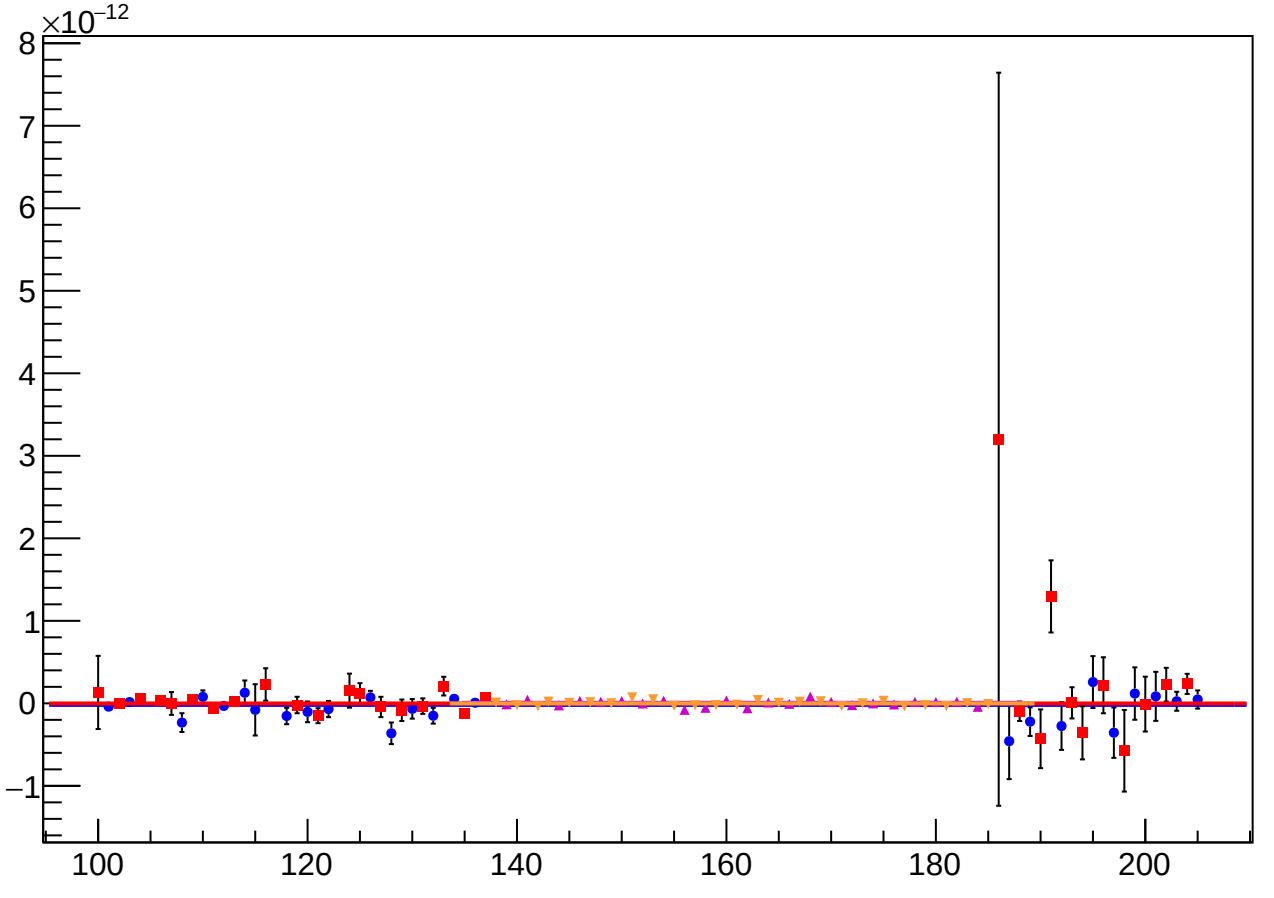
Right: 52.747+/-0.008 χ^2/NDF: 12896843.9/54

In: 60.350+/-0.009 χ^2/NDF:10992131.3/47

Out: 62.554+/-0.008 χ^2/NDF:11286771.4/54

All: 61.463+/-0.006 χ^2/NDF: 22312504.8/102

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 42.8/29

Left In: 0.000+/-0.000 χ^2/NDF:38.3/22

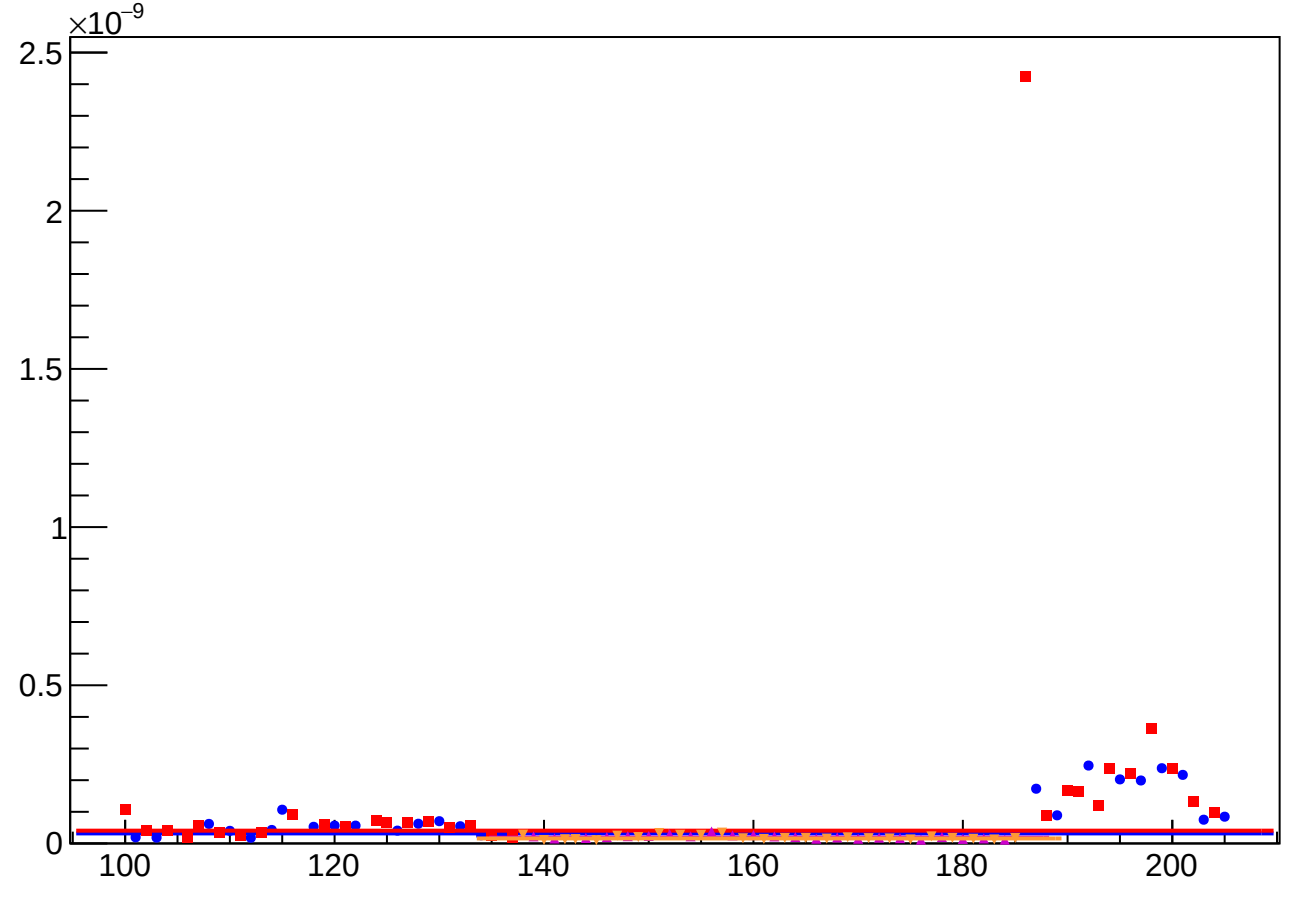
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: -0.000+/-0.000 χ^2/NDF: 72.3/54

In: 0.000+/-0.000 χ^2/NDF:69.9/47

Out: -0.000+/-0.000 χ^2/NDF:70.7/54

All: 0.000+/-0.000 χ^2/NDF: 140.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 7030814.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7281716.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

Left: 0.000+/-0.000 χ^2/NDF: 4185951.3/47

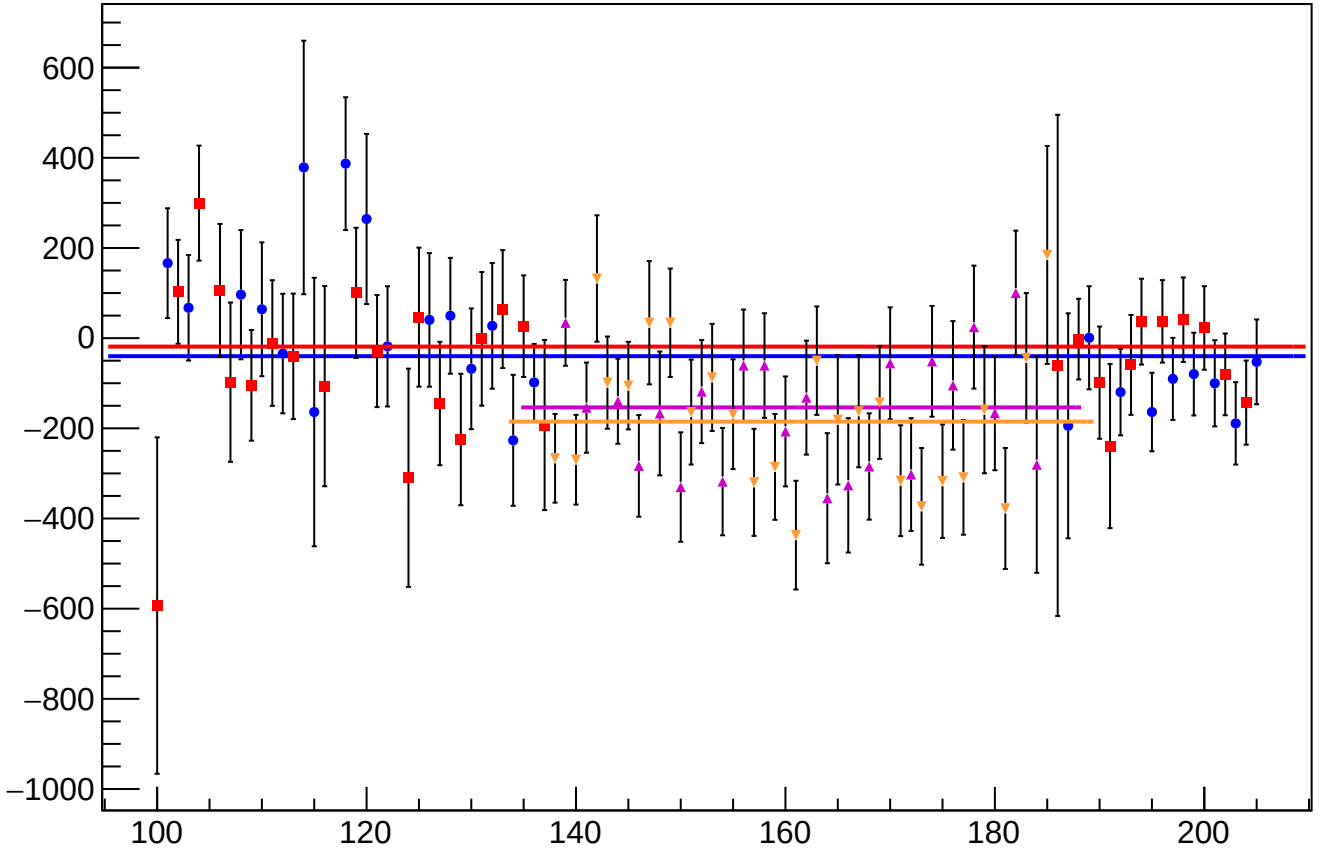
Right: 0.000+/-0.000 χ^2/NDF: 14639508.7/54

In: 0.000+/-0.000 χ^2/NDF:10294158.9/47

Out: 0.000+/-0.000 χ^2/NDF:13889229.6/54

All: 0.000+/-0.000 χ^2/NDF: 24393386.4/102

reg_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -40.009+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -18.787+/-22.963 χ^2/NDF: 23.5/29

Left In: -153.627+/-25.538 χ^2/NDF:23.5/22

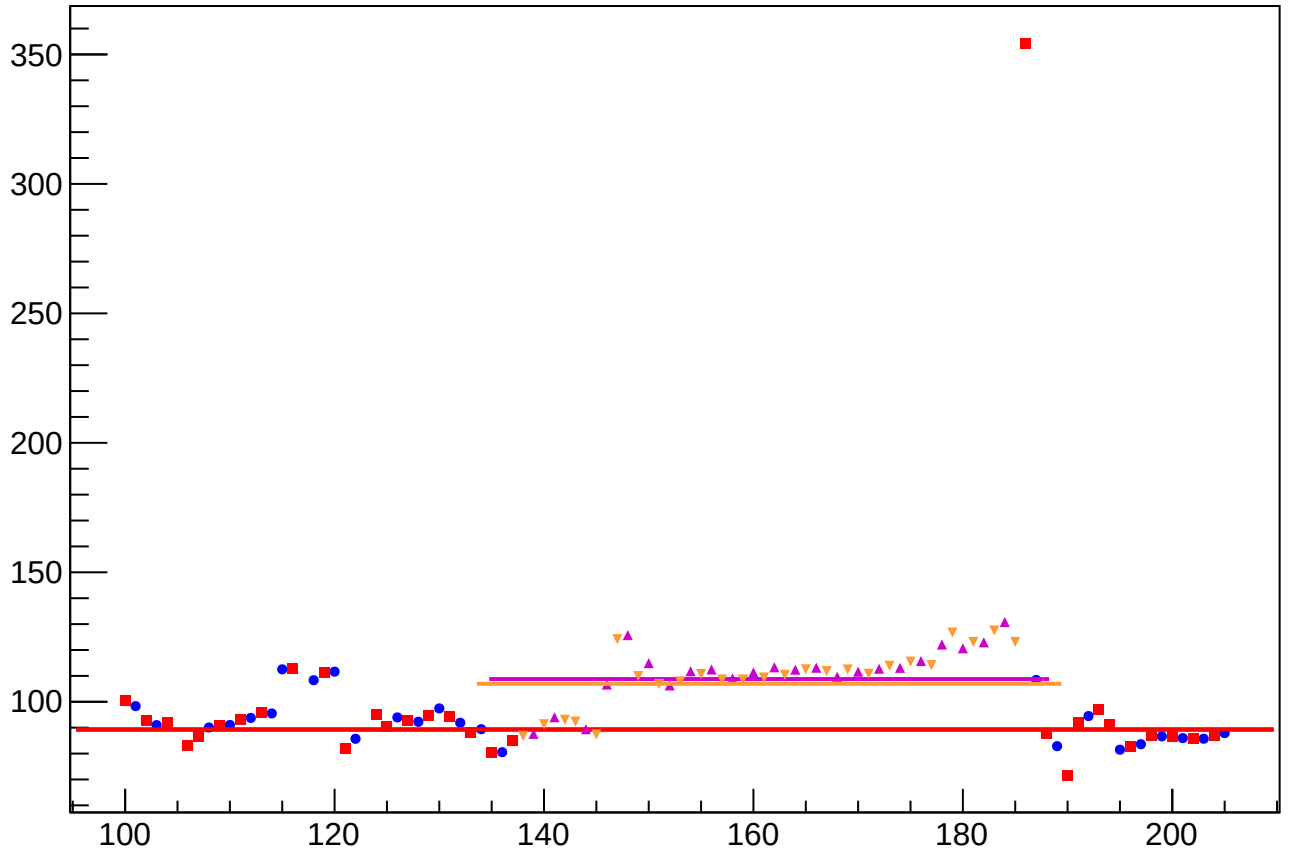
Left: -170.071+/-17.662 χ^2/NDF: 57.4/47

Right: -28.998+/-16.541 χ^2/NDF: 52.4/54

In: -92.931+/-17.429 χ^2/NDF:62.6/47

Out: -96.747+/-16.739 χ^2/NDF:81.2/54

All: -94.916+/-12.073 χ^2/NDF: 143.8/102



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.359+/-0.016 χ^2/NDF: 636775.9/29

Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

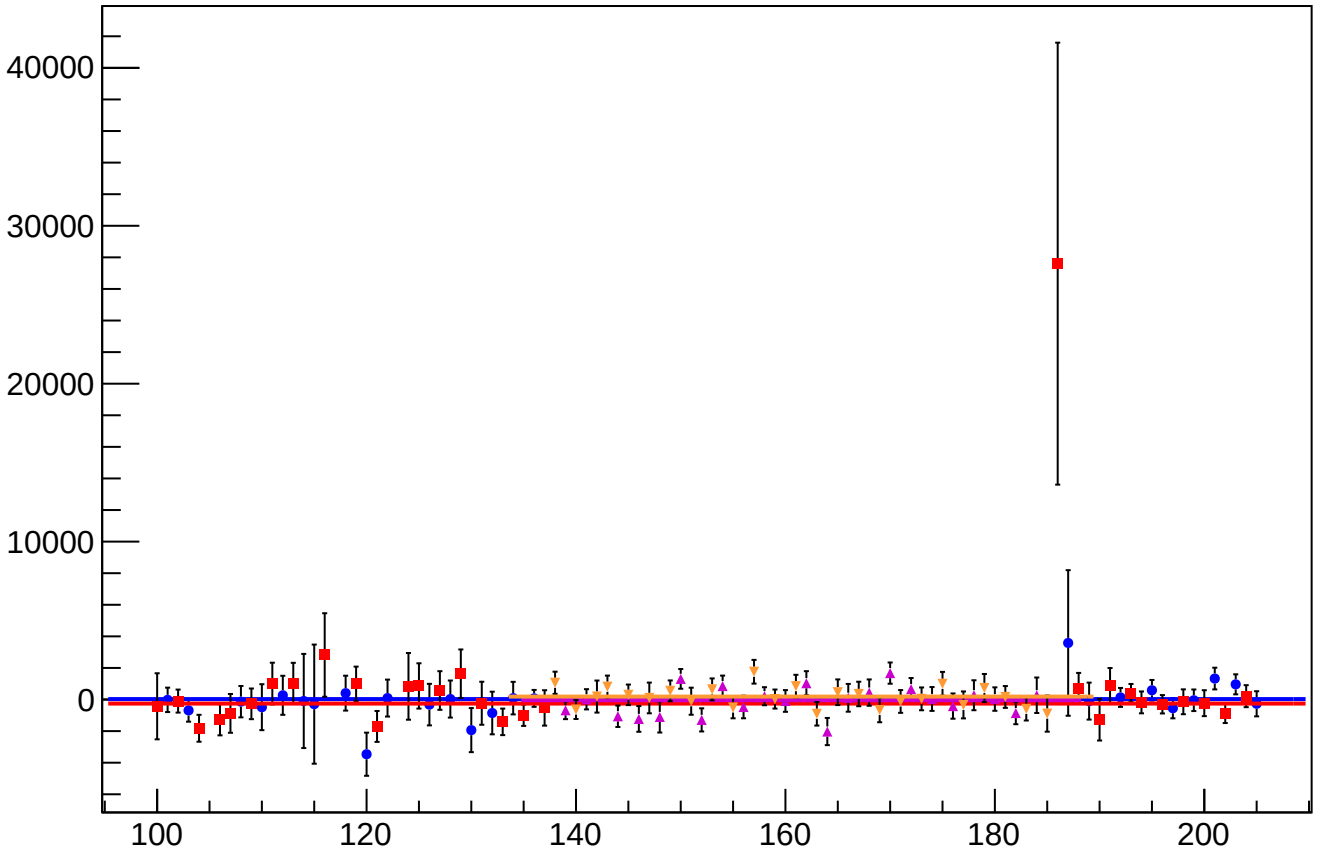
Left: 107.828+/-0.012 χ^2/NDF: 828045.2/47

Right: 89.312+/-0.012 χ^2/NDF: 814426.3/54

In: 98.353+/-0.012 χ^2/NDF:1160240.3/47

Out: 97.604+/-0.012 χ^2/NDF:1651308.1/54

All: 97.964+/-0.009 χ^2/NDF: 2813467.6/102



Right In: 27.404+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: -256.168+/-170.434 χ^2/NDF: 26.9/29

Left In: -43.249+/-152.059 χ^2/NDF:33.7/22

Left: 74.077+/-106.358 χ^2/NDF: 53.9/47

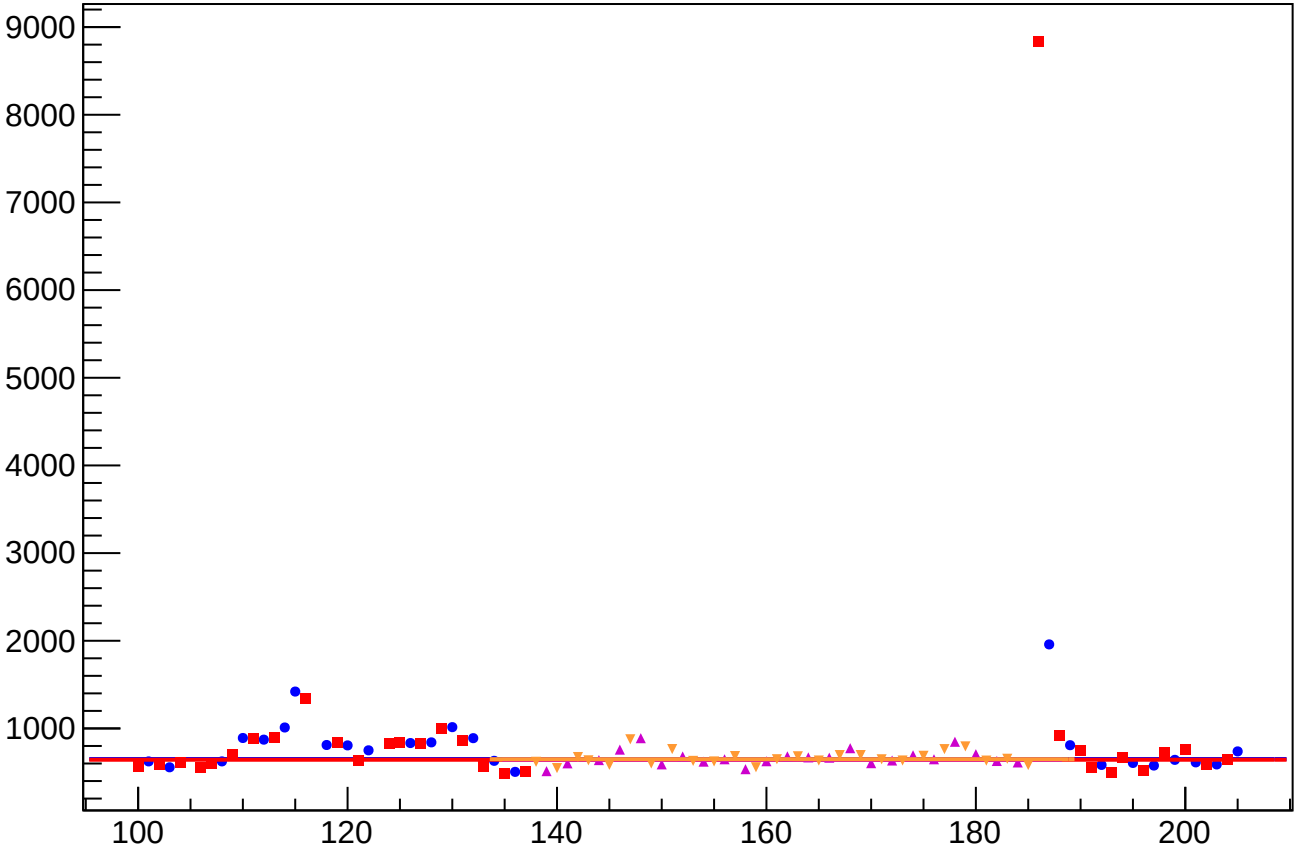
Right: -120.676+/-123.161 χ^2/NDF: 46.7/54

In: -13.476+/-115.664 χ^2/NDF:52.2/47

Out: -5.025+/-112.099 χ^2/NDF:49.8/54

All: -9.118+/-80.497 χ^2/NDF: 102.1/102

asym_sam_15_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 651.110+/-0.126 χ^2/NDF: 1099119.4/24

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.138+/-0.121 χ^2/NDF: 1966417.8/29

Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

Left: 646.686+/-0.075 χ^2/NDF: 978641.3/47

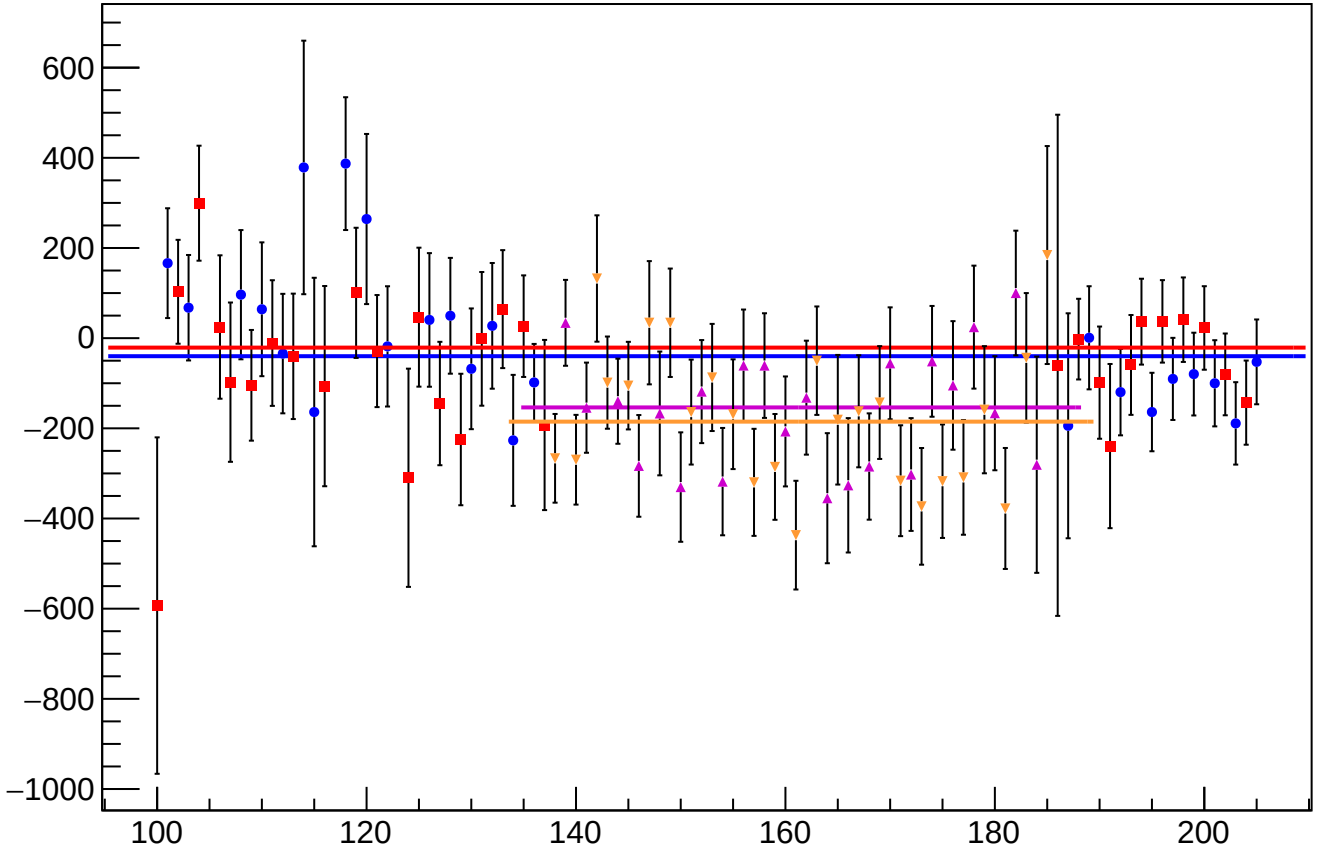
Right: 646.947+/-0.087 χ^2/NDF: 3067628.1/54

In: 647.038+/-0.082 χ^2/NDF:1660044.8/47

Out: 646.571+/-0.079 χ^2/NDF:2386213.0/54

All: 646.797+/-0.057 χ^2/NDF: 4046274.6/102

cor_asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -40.003+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -20.954+/-23.005 χ^2/NDF: 22.8/29

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

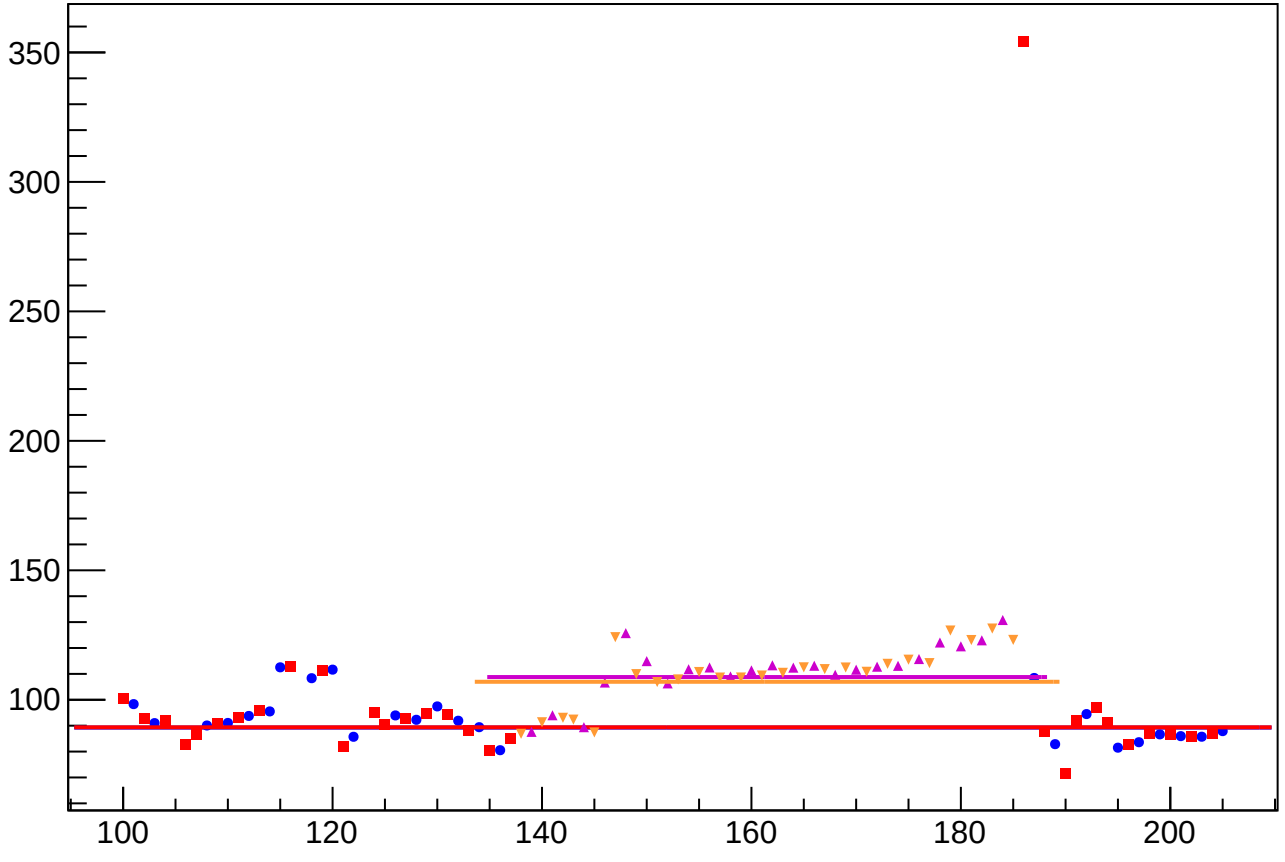
Right: -30.136+/-16.556 χ^2/NDF: 51.7/54

In: -92.930+/-17.429 χ^2/NDF:62.6/47

Out: -98.048+/-16.755 χ^2/NDF:79.8/54

All: -95.590+/-12.079 χ^2/NDF: 142.4/102

cor_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.370+/-0.016 χ^2/NDF: 636811.9/29

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

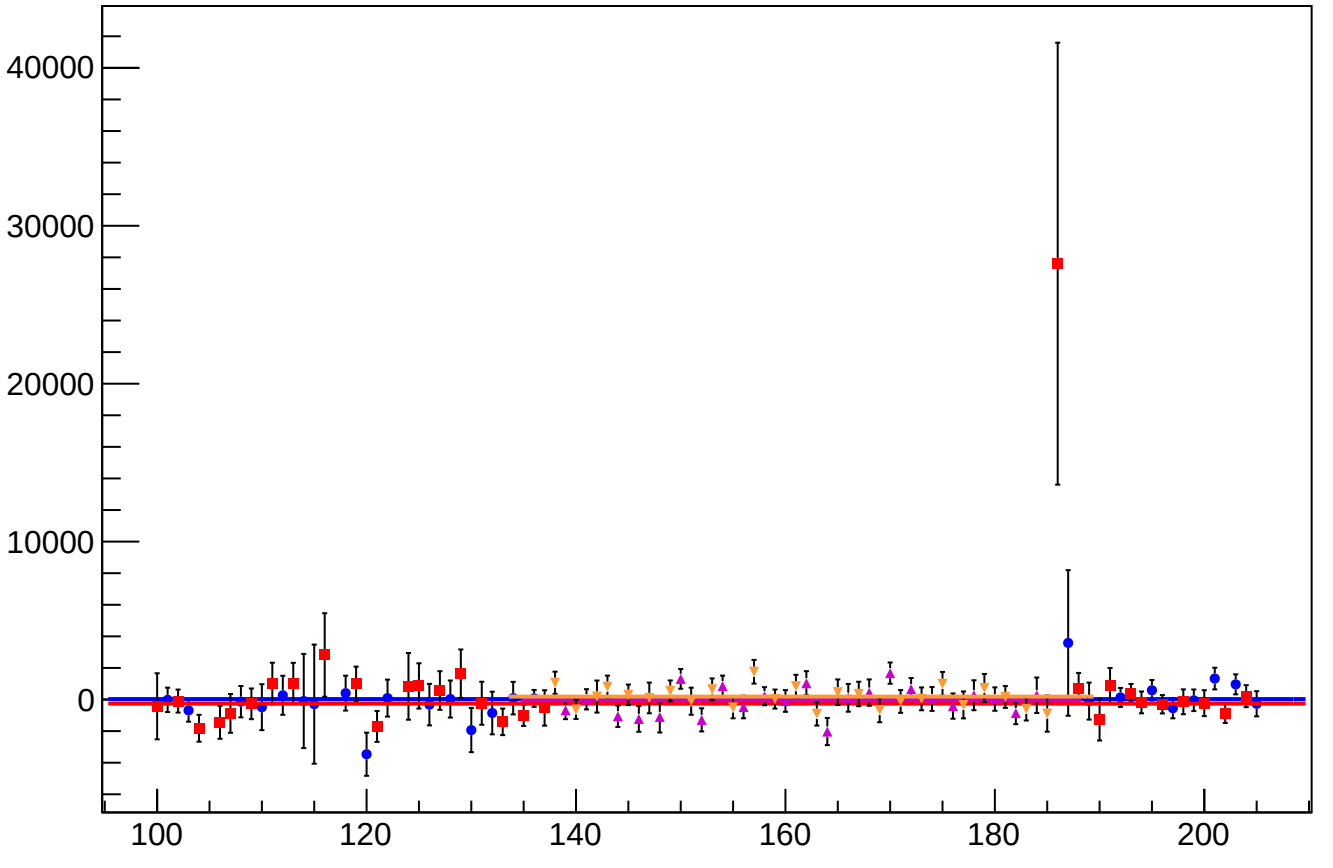
Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

Right: 89.318+/-0.012 χ^2/NDF: 814466.4/54

In: 98.353+/-0.012 χ^2/NDF:1160240.3/47

Out: 97.626+/-0.012 χ^2/NDF:1649723.6/54

All: 97.975+/-0.009 χ^2/NDF: 2811771.8/102



Right In: 27.405+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -257.304+/-170.700 χ^2/NDF: 27.1/29

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

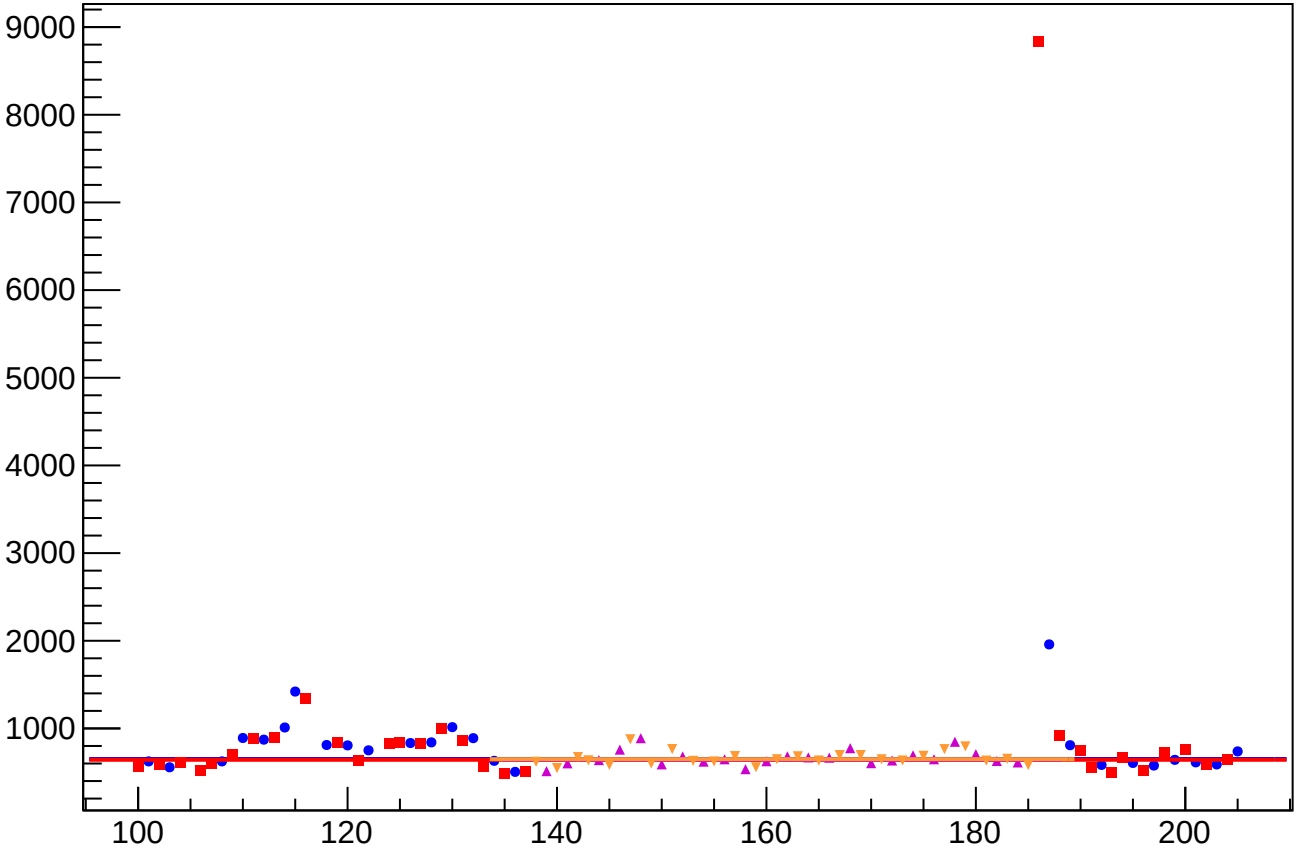
Right: -121.048+/-123.261 χ^2/NDF: 46.9/54

In: -13.476+/-115.664 χ^2/NDF:52.2/47

Out: -5.181+/-112.175 χ^2/NDF:50.0/54

All: -9.202+/-80.525 χ^2/NDF: 102.3/102

asym_sam_15_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.110+/-0.126 χ^2/NDF: 1099120.0/24

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.680+/-0.121 χ^2/NDF: 1975496.4/29

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

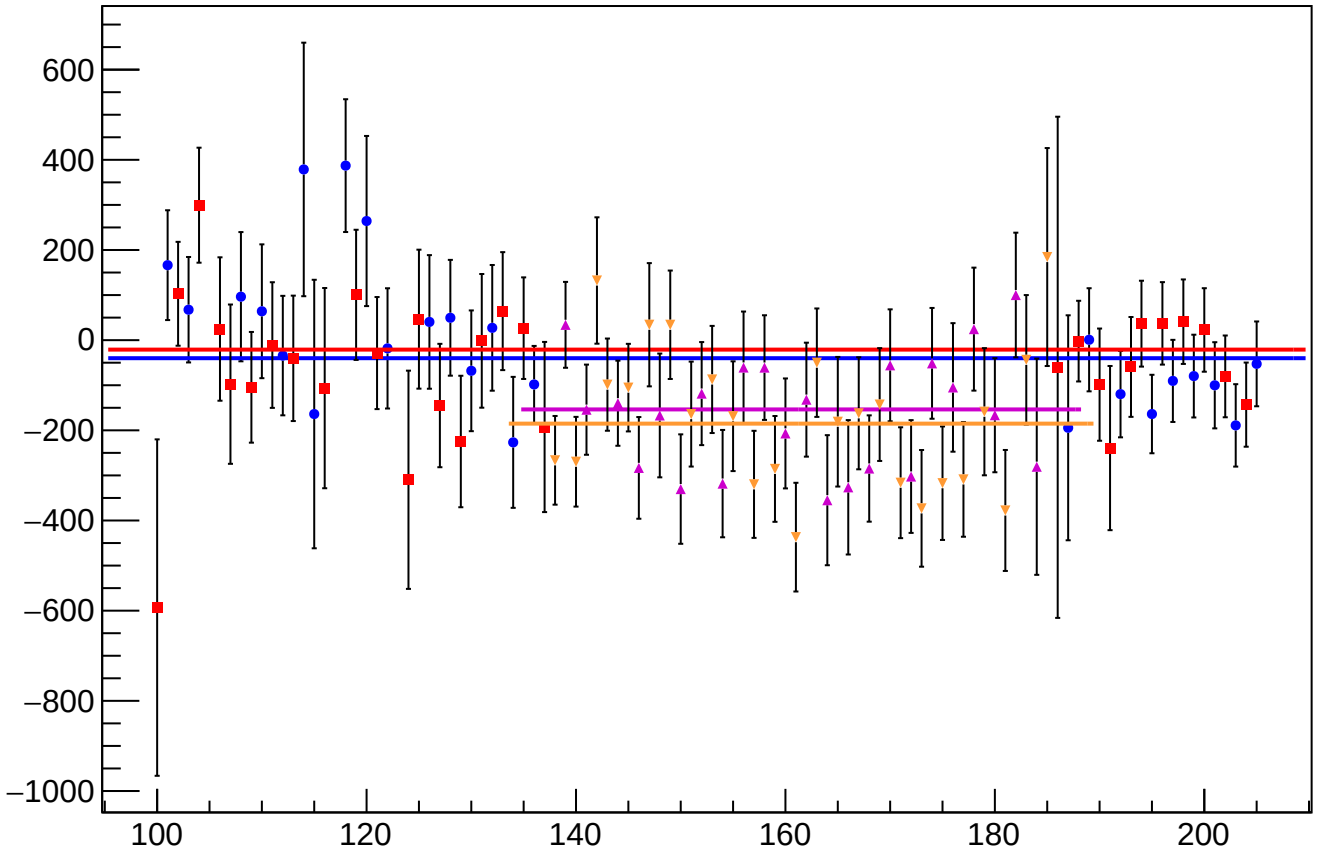
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.714+/-0.087 χ^2/NDF: 3076950.8/54

In: 647.038+/-0.082 χ^2/NDF:1660046.4/47

Out: 646.378+/-0.079 χ^2/NDF:2395514.0/54

All: 646.698+/-0.057 χ^2/NDF: 4055594.0/102



Right In: -40.003+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -20.954+/-23.005 χ^2/NDF: 22.8/29

Left In: -153.632+/-25.538 χ^2/NDF:23.5/22

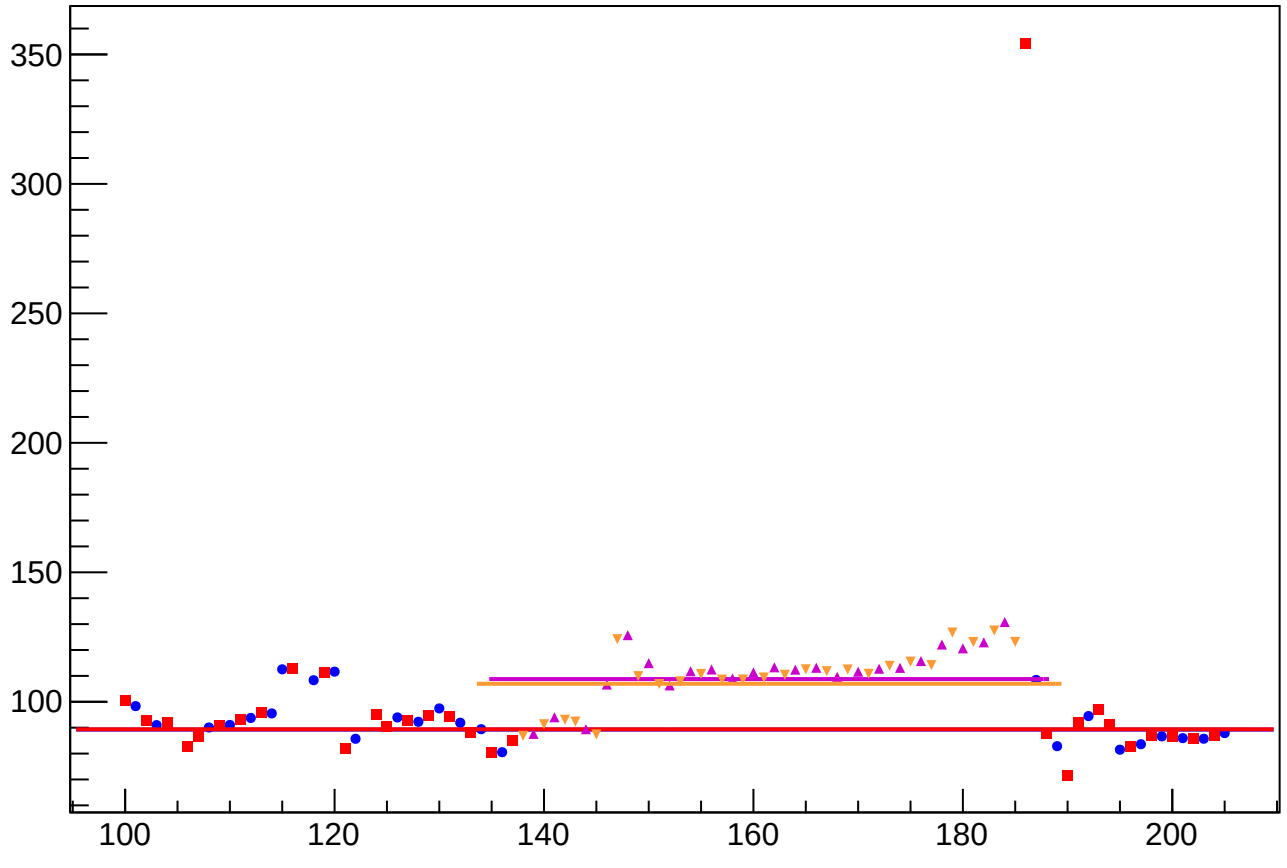
Left: -170.074+/-17.662 χ^2/NDF: 57.4/47

Right: -30.136+/-16.556 χ^2/NDF: 51.7/54

In: -92.930+/-17.429 χ^2/NDF:62.6/47

Out: -98.048+/-16.755 χ^2/NDF:79.8/54

All: -95.590+/-12.079 χ^2/NDF: 142.4/102



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.370+/-0.016 χ^2/NDF: 636811.9/29

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

Left: 107.828+/-0.012 χ^2/NDF: 828045.3/47

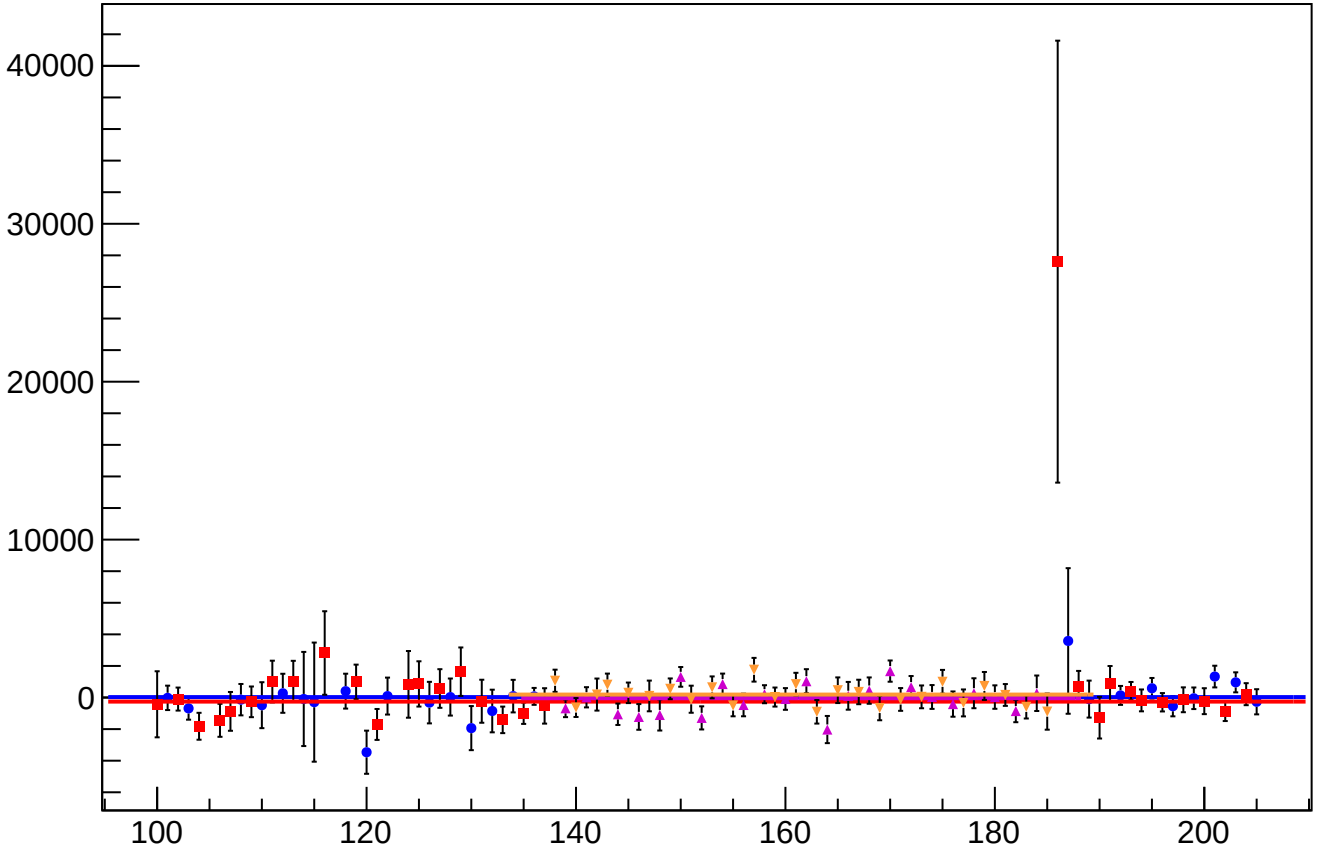
Right: 89.318+/-0.012 χ^2/NDF: 814466.4/54

In: 98.353+/-0.012 χ^2/NDF:1160240.3/47

Out: 97.626+/-0.012 χ^2/NDF:1649723.6/54

All: 97.975+/-0.009 χ^2/NDF: 2811771.8/102

asym_sam_15_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 27.405+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: -257.304+/-170.700 χ^2/NDF: 27.1/29

Left In: -43.251+/-152.059 χ^2/NDF:33.7/22

Left: 74.072+/-106.358 χ^2/NDF: 53.9/47

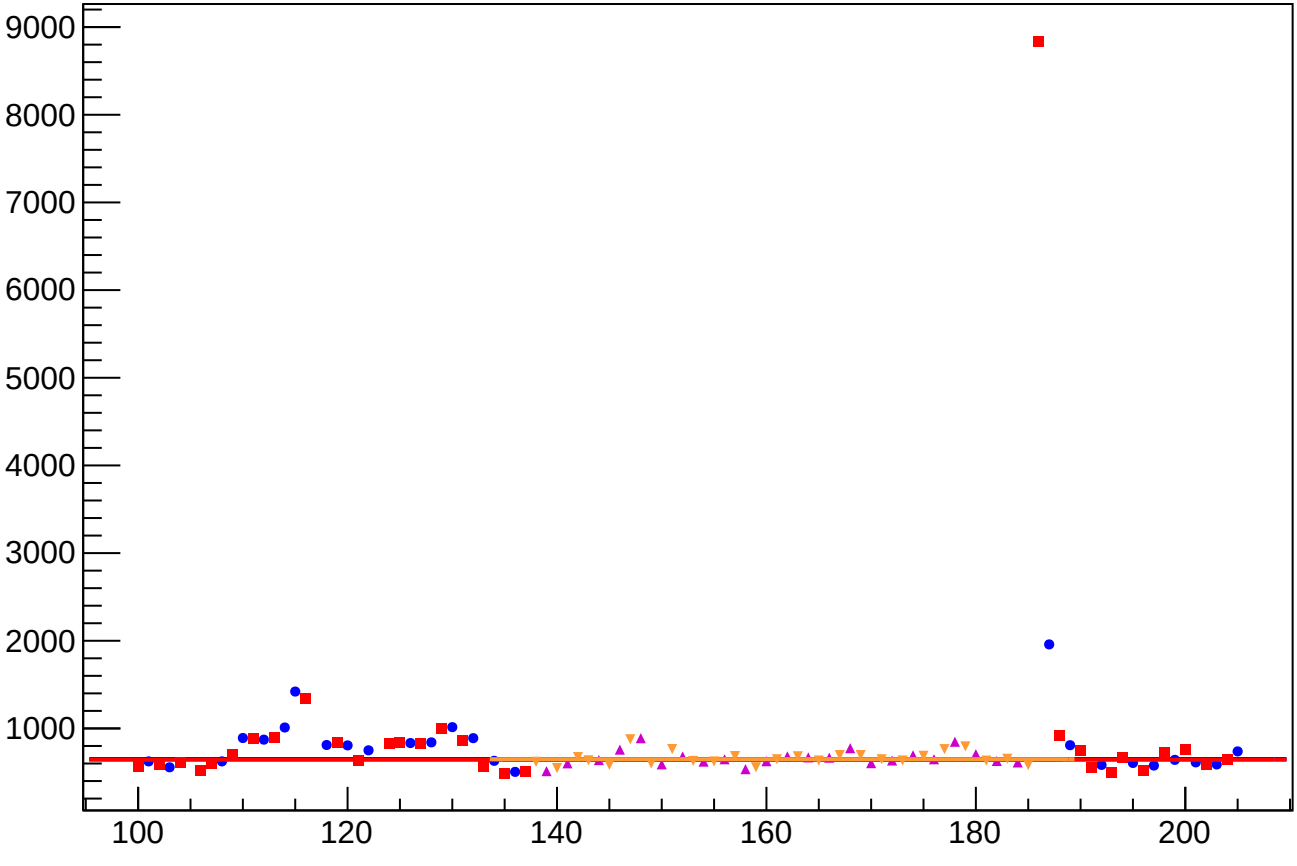
Right: -121.048+/-123.261 χ^2/NDF: 46.9/54

In: -13.476+/-115.664 χ^2/NDF:52.2/47

Out: -5.181+/-112.175 χ^2/NDF:50.0/54

All: -9.202+/-80.525 χ^2/NDF: 102.3/102

asym_sam_15_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 651.110+/-0.126 χ^2/NDF: 1099120.0/24

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 642.680+/-0.121 χ^2/NDF: 1975496.4/29

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

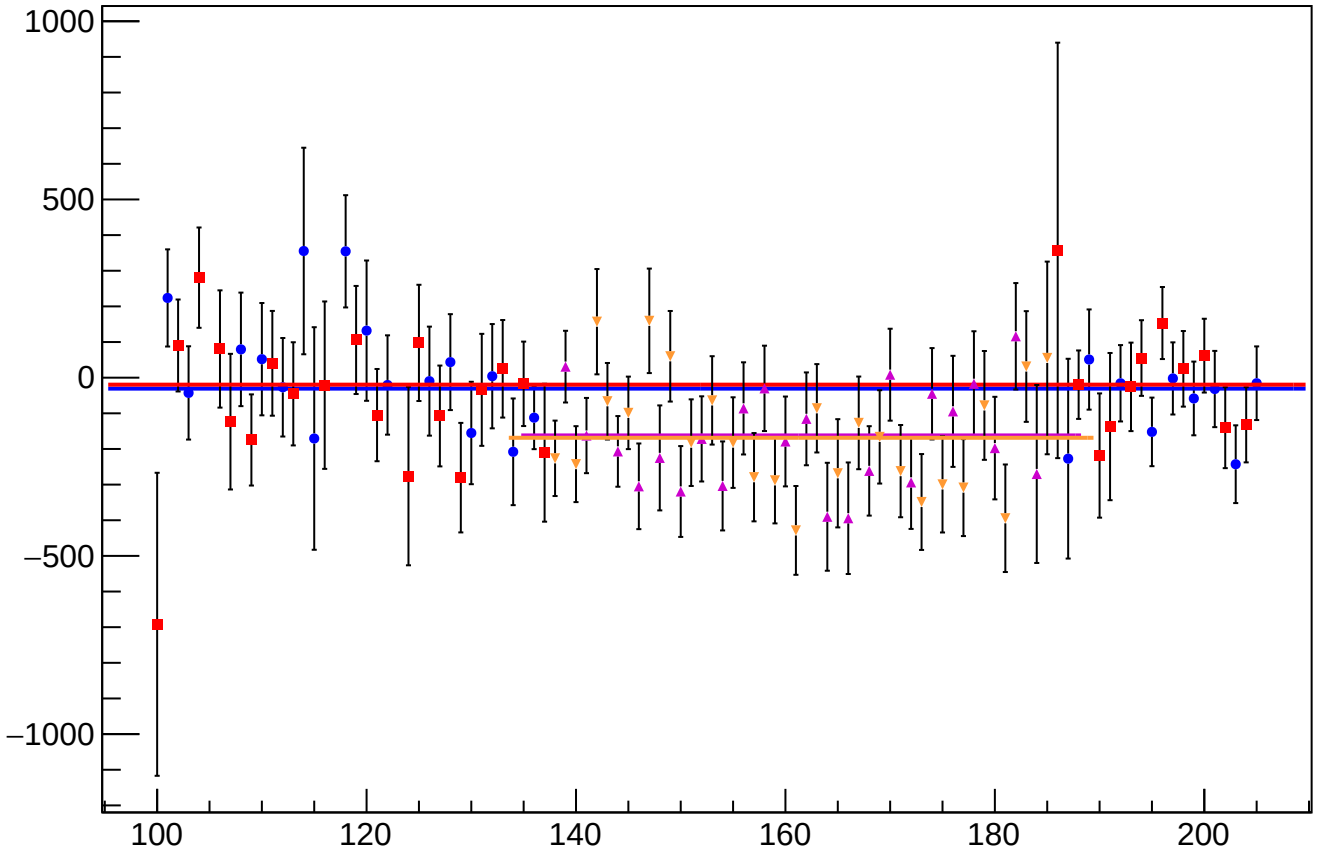
Left: 646.686+/-0.075 χ^2/NDF: 978643.1/47

Right: 646.714+/-0.087 χ^2/NDF: 3076950.8/54

In: 647.038+/-0.082 χ^2/NDF:1660046.4/47

Out: 646.378+/-0.079 χ^2/NDF:2395514.0/54

All: 646.698+/-0.057 χ^2/NDF: 4055594.0/102



Right In: -30.685+/-26.125 χ^2/NDF: 22.7/24

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: -19.585+/-25.285 χ^2/NDF: 25.7/29

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

Left: -165.472+/-18.643 χ^2/NDF: 56.0/47

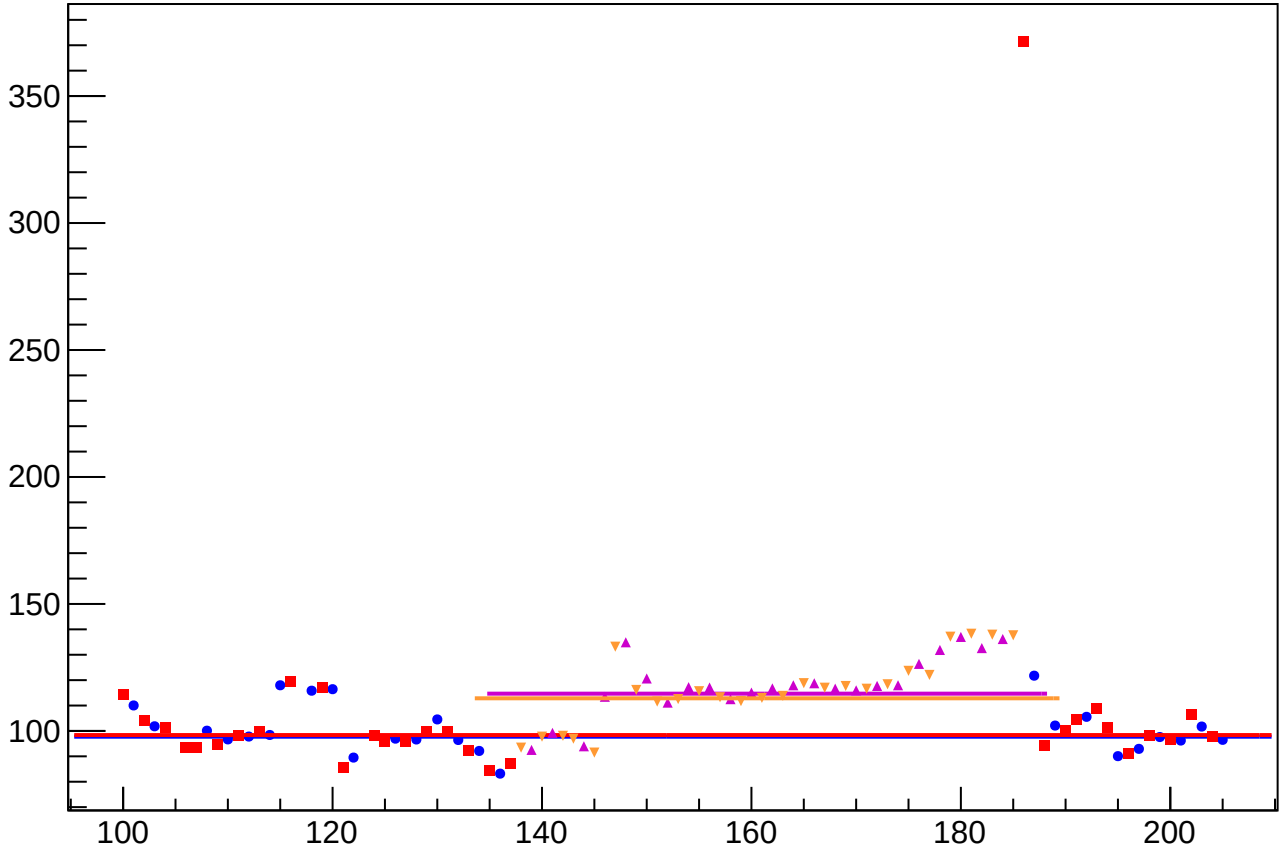
Right: -24.954+/-18.169 χ^2/NDF: 48.5/54

In: -94.322+/-18.757 χ^2/NDF:58.5/47

Out: -92.552+/-18.065 χ^2/NDF:75.1/54

All: -93.404+/-13.012 χ^2/NDF: 133.6/102

dit_asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 97.737+/-0.018 χ^2/NDF: 188500.1/24

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 98.374+/-0.018 χ^2/NDF: 599572.4/29

Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

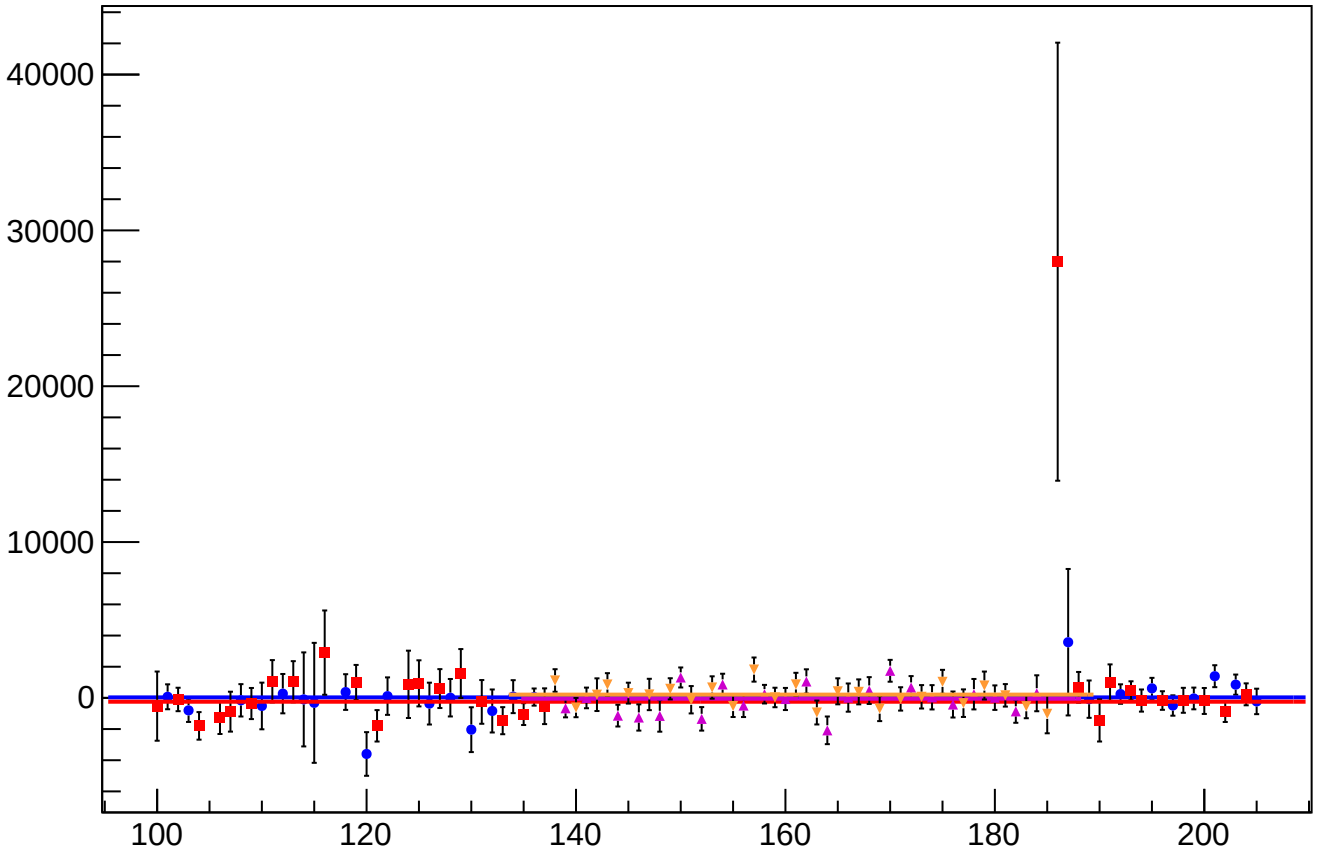
Left: 113.724+/-0.013 χ^2/NDF: 926988.8/47

Right: 98.066+/-0.013 χ^2/NDF: 788686.6/54

In: 105.945+/-0.013 χ^2/NDF:1005860.3/47

Out: 105.460+/-0.013 χ^2/NDF:1432733.2/54

All: 105.693+/-0.009 χ^2/NDF: 2439284.9/102



Right In: 31.839+/-183.204 χ^2/NDF: 18.4/24

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: -245.446+/-175.889 χ^2/NDF: 26.8/29

Left In: -50.266+/-157.485 χ^2/NDF:33.3/22

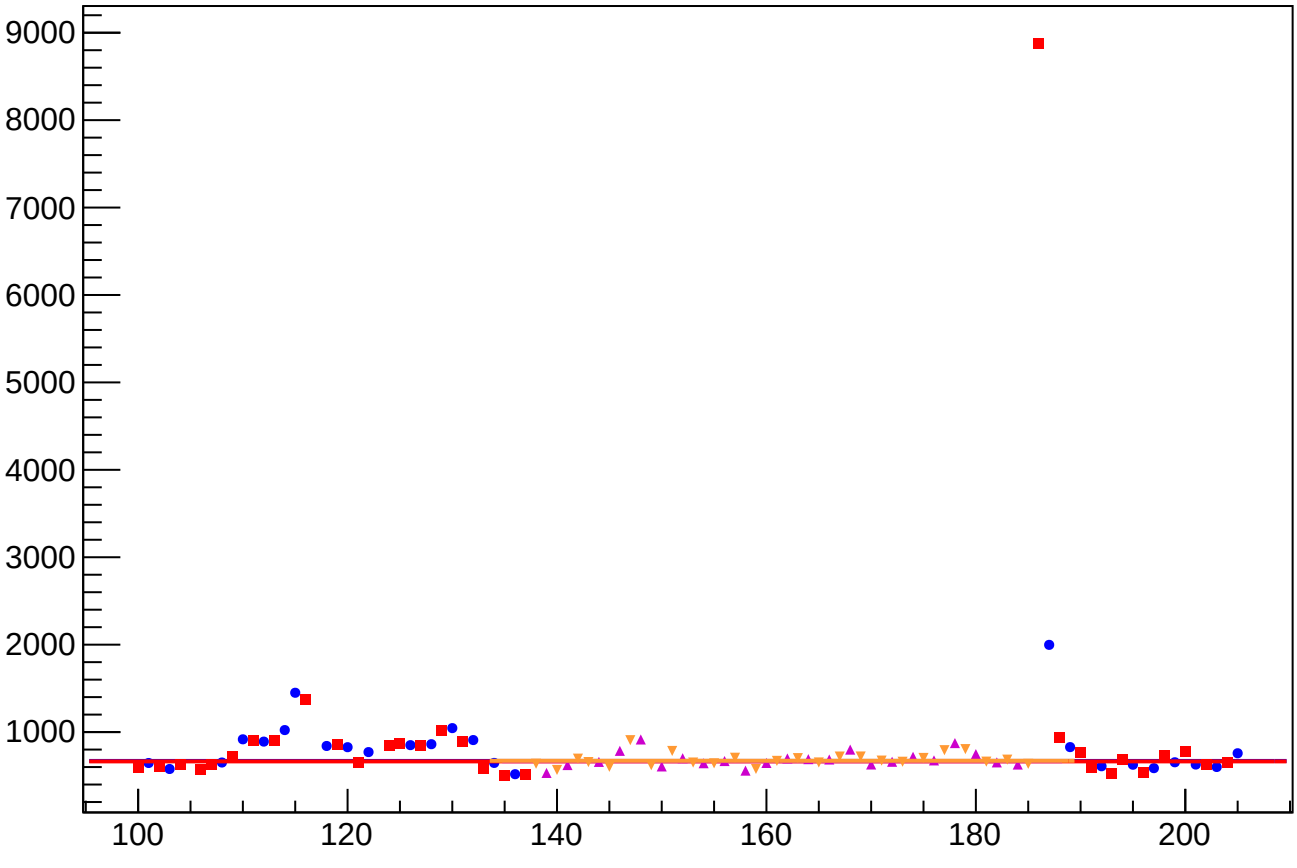
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -112.449+/-126.879 χ^2/NDF: 46.4/54

In: -15.376+/-119.425 χ^2/NDF:51.8/47

Out: 12.120+/-115.833 χ^2/NDF:49.5/54

All: -1.208+/-83.147 χ^2/NDF: 101.3/102



Right In: 669.876+/-0.130 χ^2/NDF: 1086225.7/24

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 664.869+/-0.124 χ^2/NDF: 1888543.2/29

Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

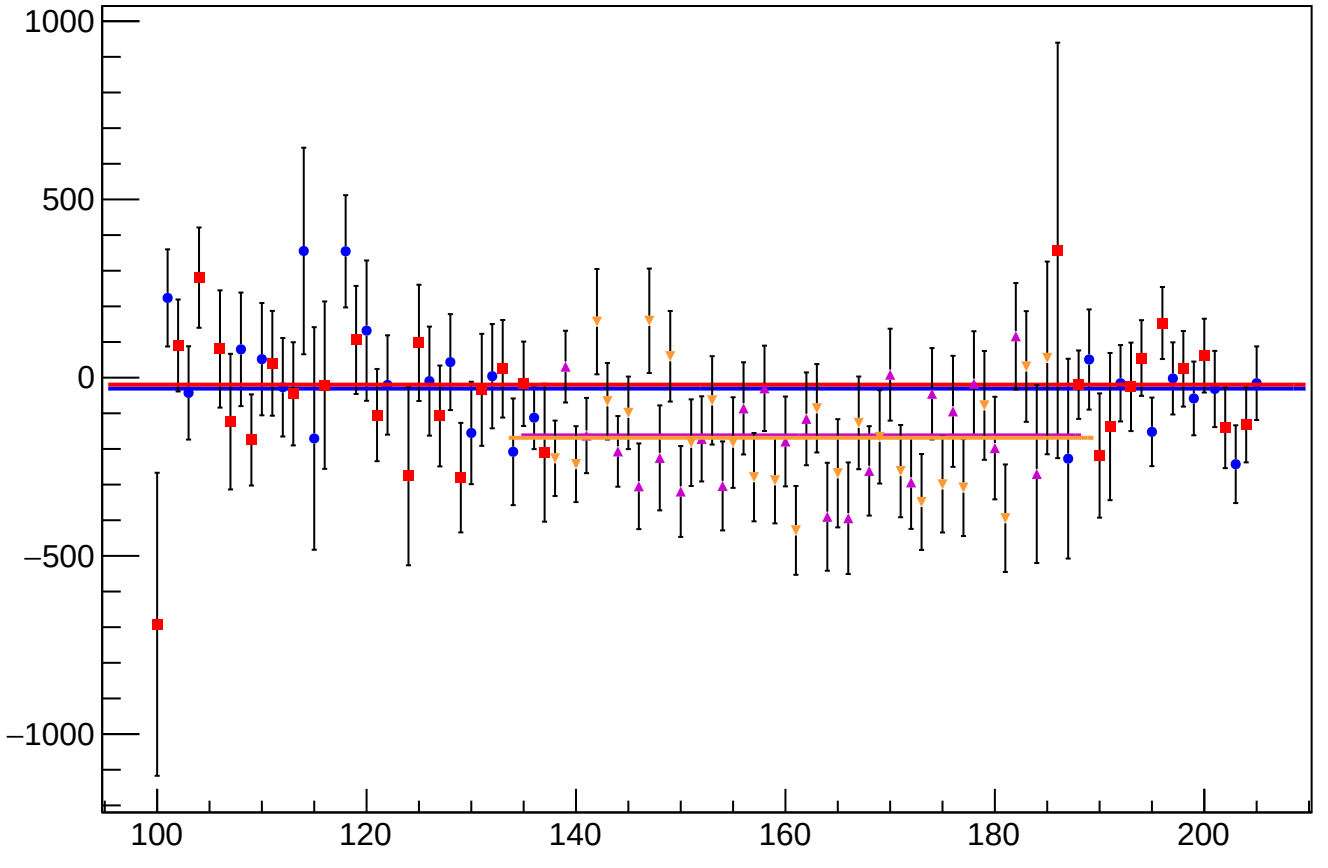
Left: 669.646+/-0.078 χ^2/NDF: 946901.4/47

Right: 667.270+/-0.090 χ^2/NDF: 2975546.4/54

In: 668.418+/-0.084 χ^2/NDF:1633349.5/47

Out: 668.821+/-0.082 χ^2/NDF:2289486.8/54

All: 668.626+/-0.059 χ^2/NDF: 3922848.0/102



Right In: -30.685+/-26.125 χ^2/NDF: 22.7/24

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: -19.586+/-25.285 χ^2/NDF: 25.7/29

Left In: -162.028+/-26.948 χ^2/NDF:23.6/22

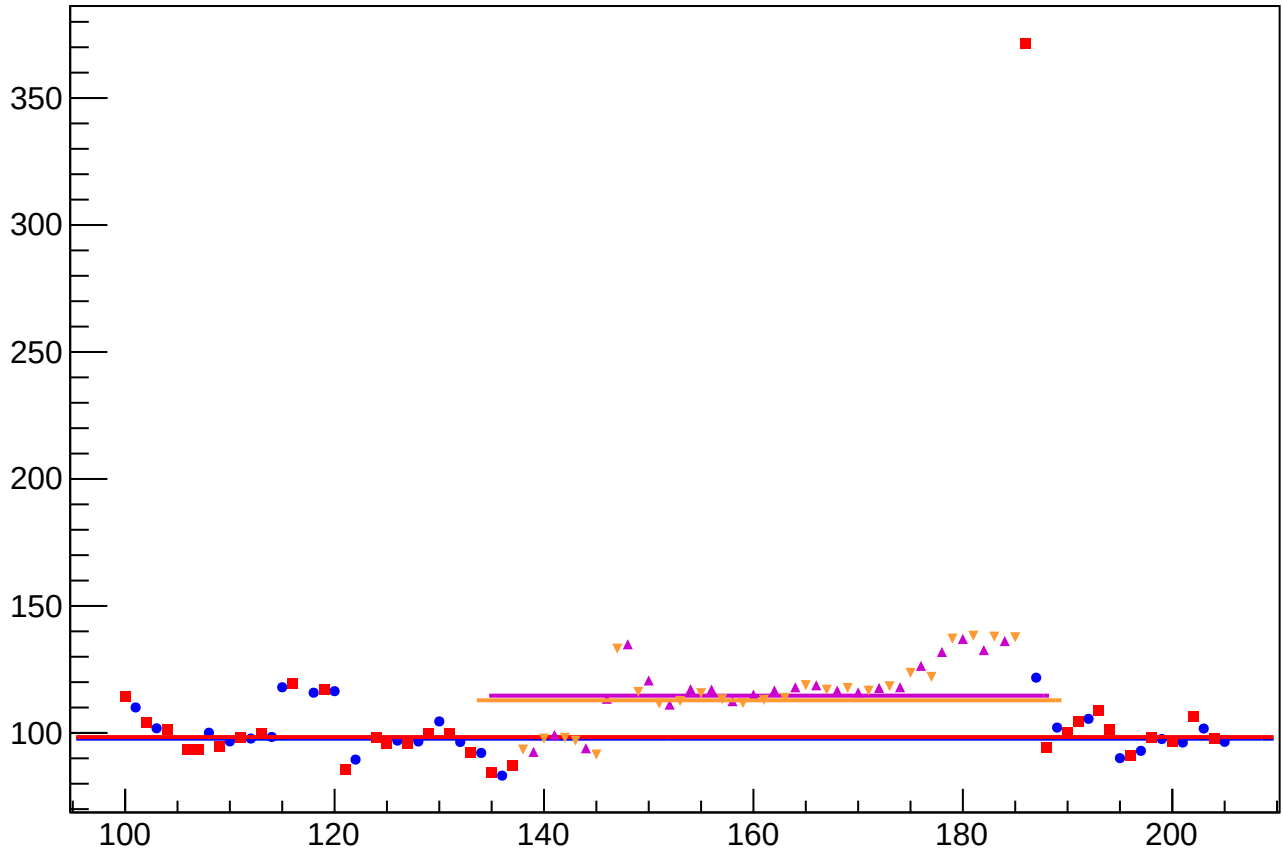
Left: -165.473+/-18.643 χ^2/NDF: 56.0/47

Right: -24.954+/-18.169 χ^2/NDF: 48.5/54

In: -94.322+/-18.757 χ^2/NDF:58.5/47

Out: -92.552+/-18.065 χ^2/NDF:75.1/54

All: -93.404+/-13.012 χ^2/NDF: 133.6/102



Right In: 97.737+/-0.018 χ^2/NDF: 188503.6/24

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

Right Out: 98.374+/-0.018 χ^2/NDF: 599572.2/29

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

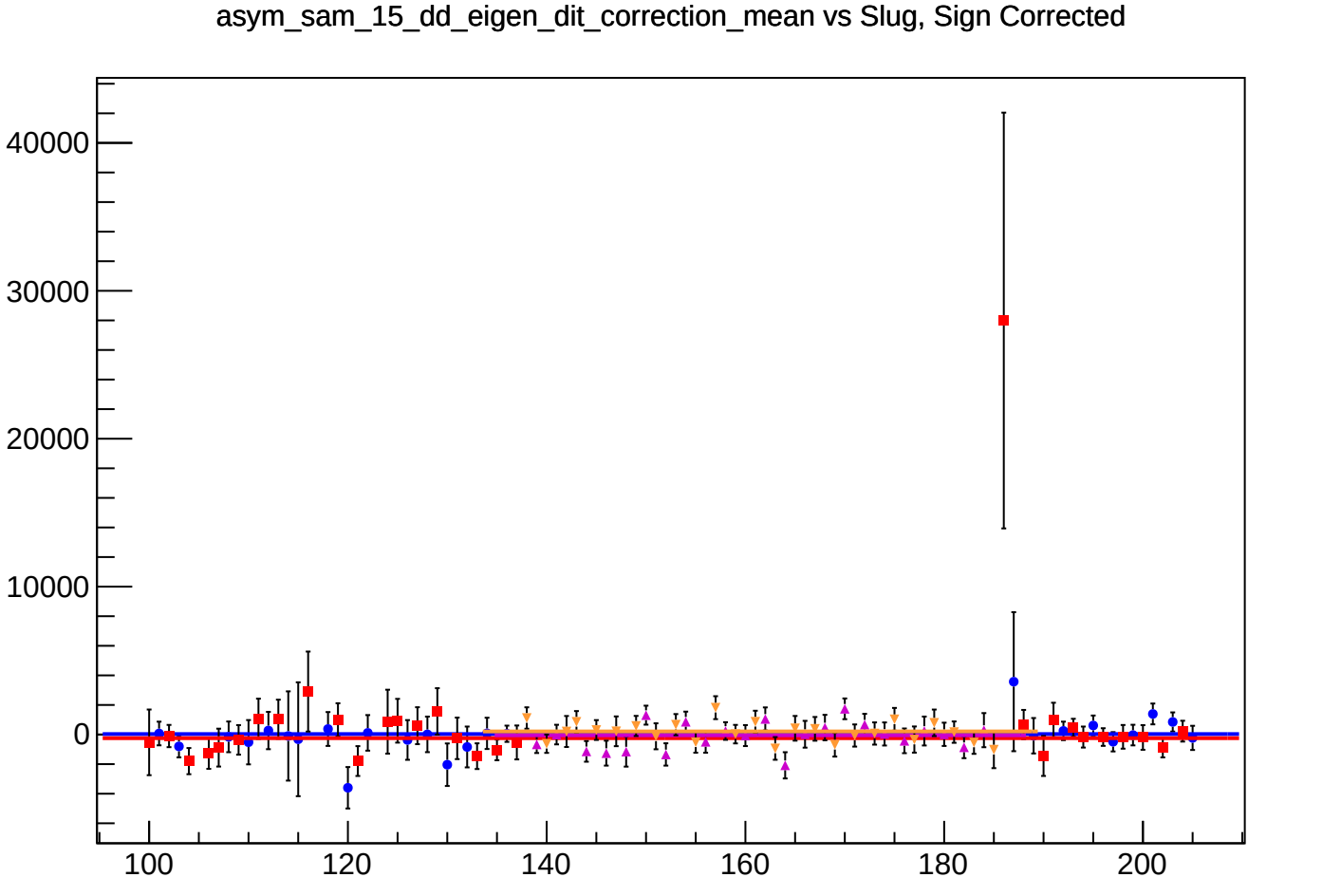
Left: 113.724+/-0.013 χ^2/NDF: 926979.7/47

Right: 98.066+/-0.013 χ^2/NDF: 788690.0/54

In: 105.945+/-0.013 χ^2/NDF:1005872.4/47

Out: 105.460+/-0.013 χ^2/NDF:1432732.3/54

All: 105.693+/-0.009 χ^2/NDF: 2439296.0/102



Right In: 31.839+/-183.203 χ^2/NDF: 18.4/24

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: -245.447+/-175.889 χ^2/NDF: 26.8/29

Left In: -50.267+/-157.485 χ^2/NDF:33.3/22

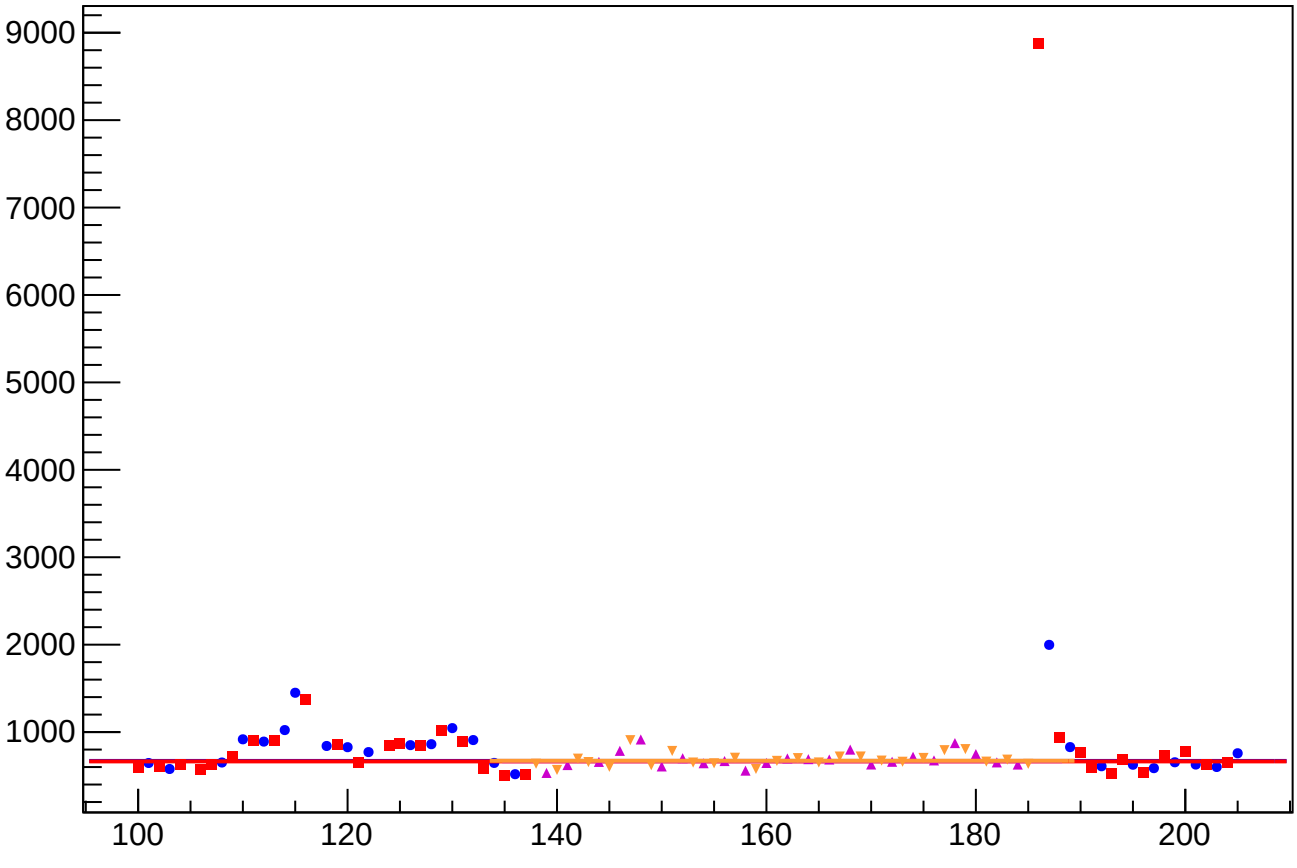
Left: 82.523+/-110.079 χ^2/NDF: 53.6/47

Right: -112.449+/-126.879 χ^2/NDF: 46.4/54

In: -15.377+/-119.425 χ^2/NDF:51.8/47

Out: 12.120+/-115.833 χ^2/NDF:49.5/54

All: -1.209+/-83.148 χ^2/NDF: 101.3/102



Right In: 669.876+/-0.130 χ^2/NDF: 1086225.8/24

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 664.868+/-0.124 χ^2/NDF: 1888547.8/29

Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

Left: 669.647+/-0.078 χ^2/NDF: 946903.9/47

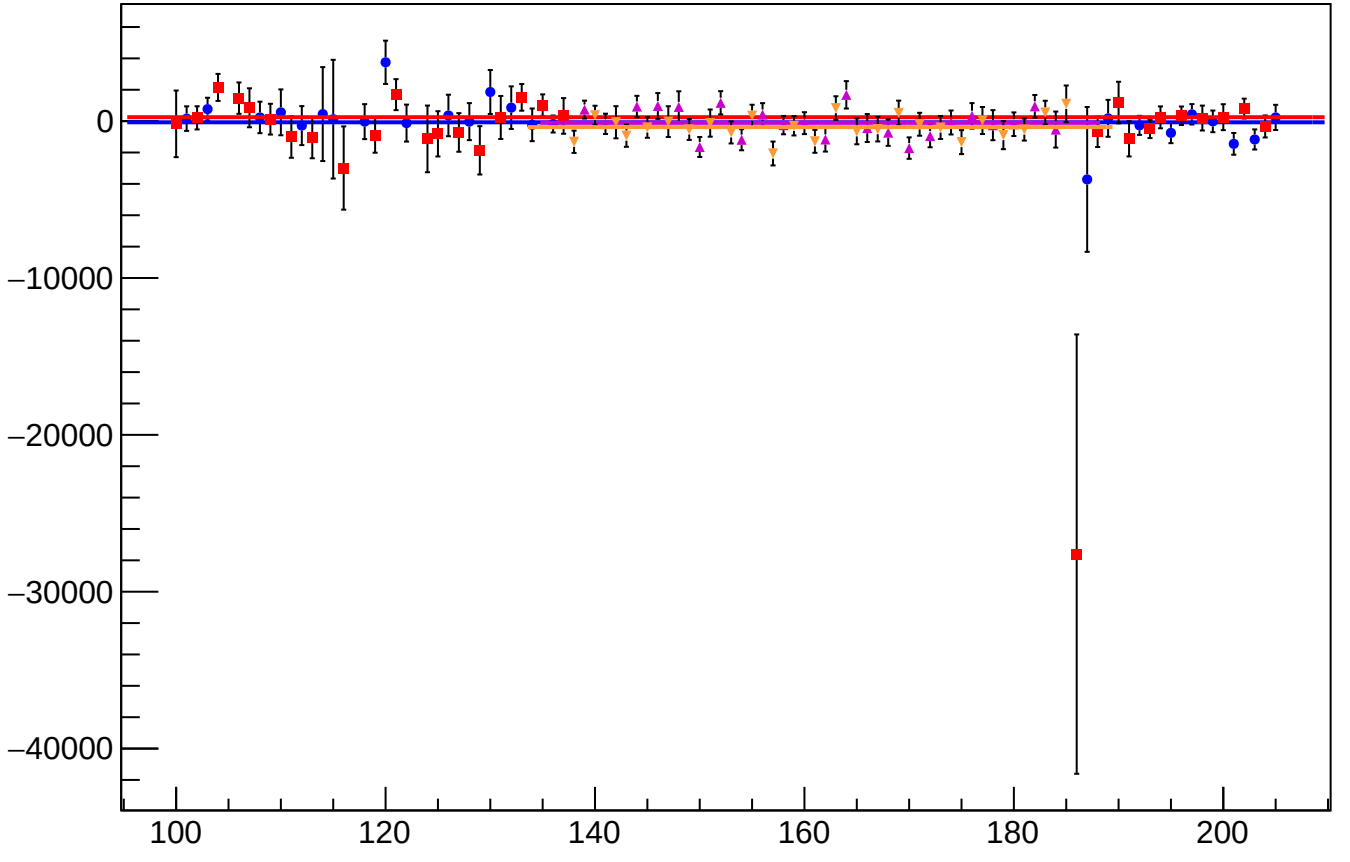
Right: 667.270+/-0.090 χ^2/NDF: 2975551.1/54

In: 668.419+/-0.084 χ^2/NDF:1633351.6/47

Out: 668.821+/-0.082 χ^2/NDF:2289492.3/54

All: 668.626+/-0.059 χ^2/NDF: 3922855.6/102

asym_sam_15_dd_mean vs Slug, Sign Corrected



Right In: -74.200+/-180.011 χ^2/NDF: 21.4/24

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: 250.434+/-172.299 χ^2/NDF: 30.2/29

Left In: -103.321+/-154.335 χ^2/NDF:35.5/22

Left: -243.306+/-107.915 χ^2/NDF: 58.5/47

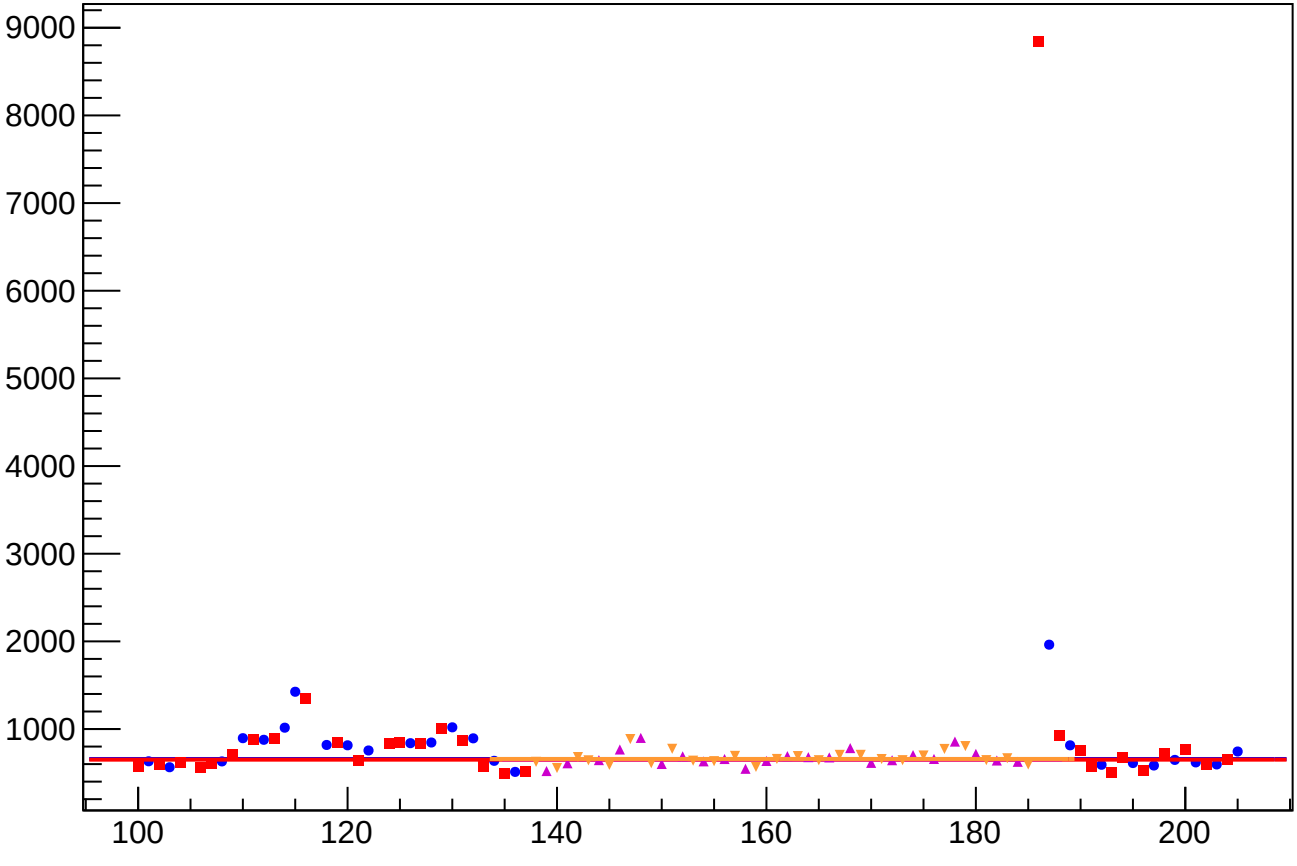
Right: 95.220+/-124.471 χ^2/NDF: 53.3/54

In: -90.984+/-117.167 χ^2/NDF:57.0/47

Out: -104.664+/-113.541 χ^2/NDF:59.1/54

All: -98.039+/-81.537 χ^2/NDF: 116.1/102

asym_sam_15_dd_rms vs Slug, Sign Corrected



Right In: 658.244+/-0.127 χ^2/NDF: 1074936.1/24

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

Right Out: 650.776+/-0.122 χ^2/NDF: 1927225.4/29

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

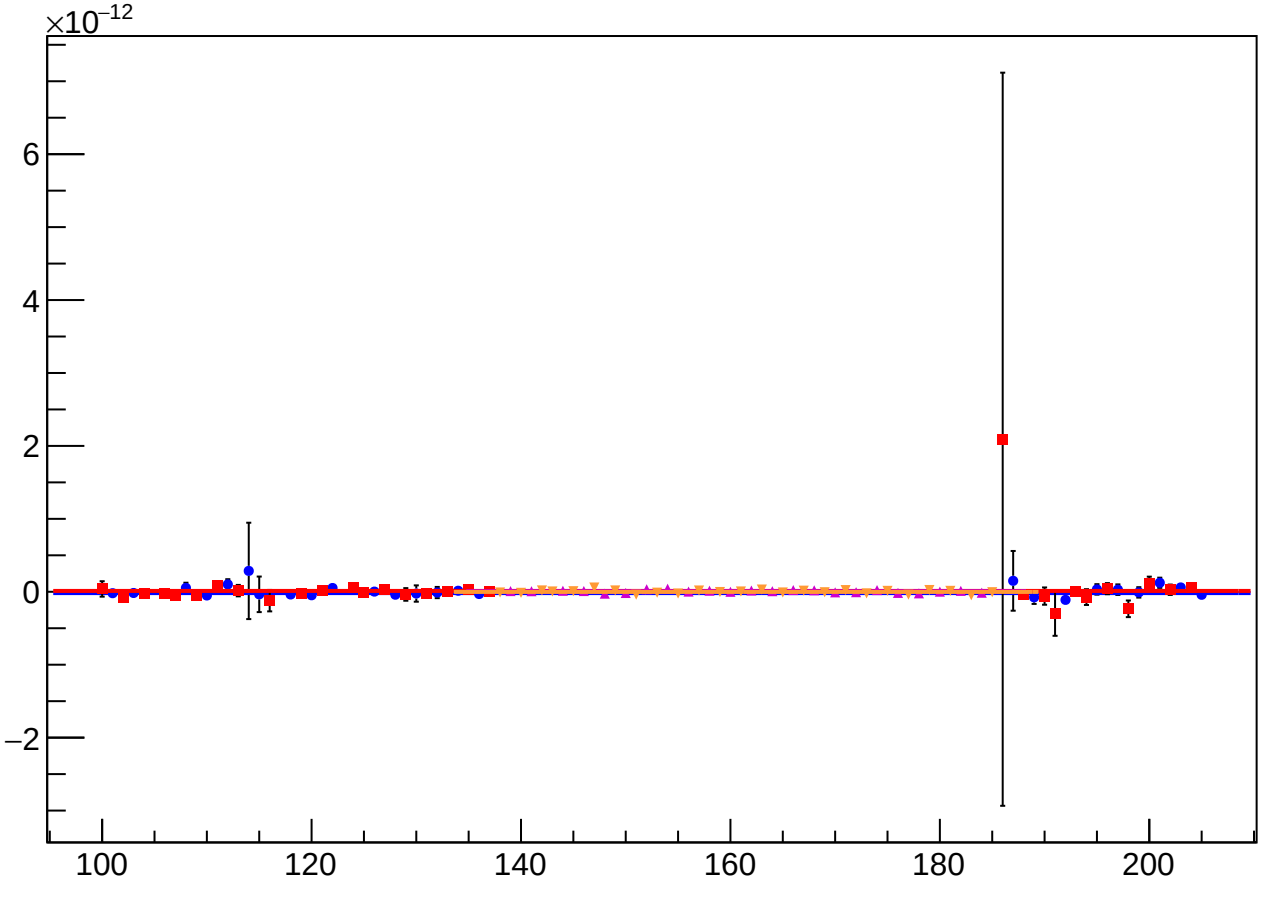
Left: 656.363+/-0.076 χ^2/NDF: 952719.4/47

Right: 654.347+/-0.088 χ^2/NDF: 3003958.0/54

In: 655.769+/-0.083 χ^2/NDF:1617670.2/47

Out: 655.243+/-0.080 χ^2/NDF:2339286.2/54

All: 655.498+/-0.058 χ^2/NDF: 3956977.2/102



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/29

Left In: 0.000+/-0.000 χ^2/NDF:15.6/22

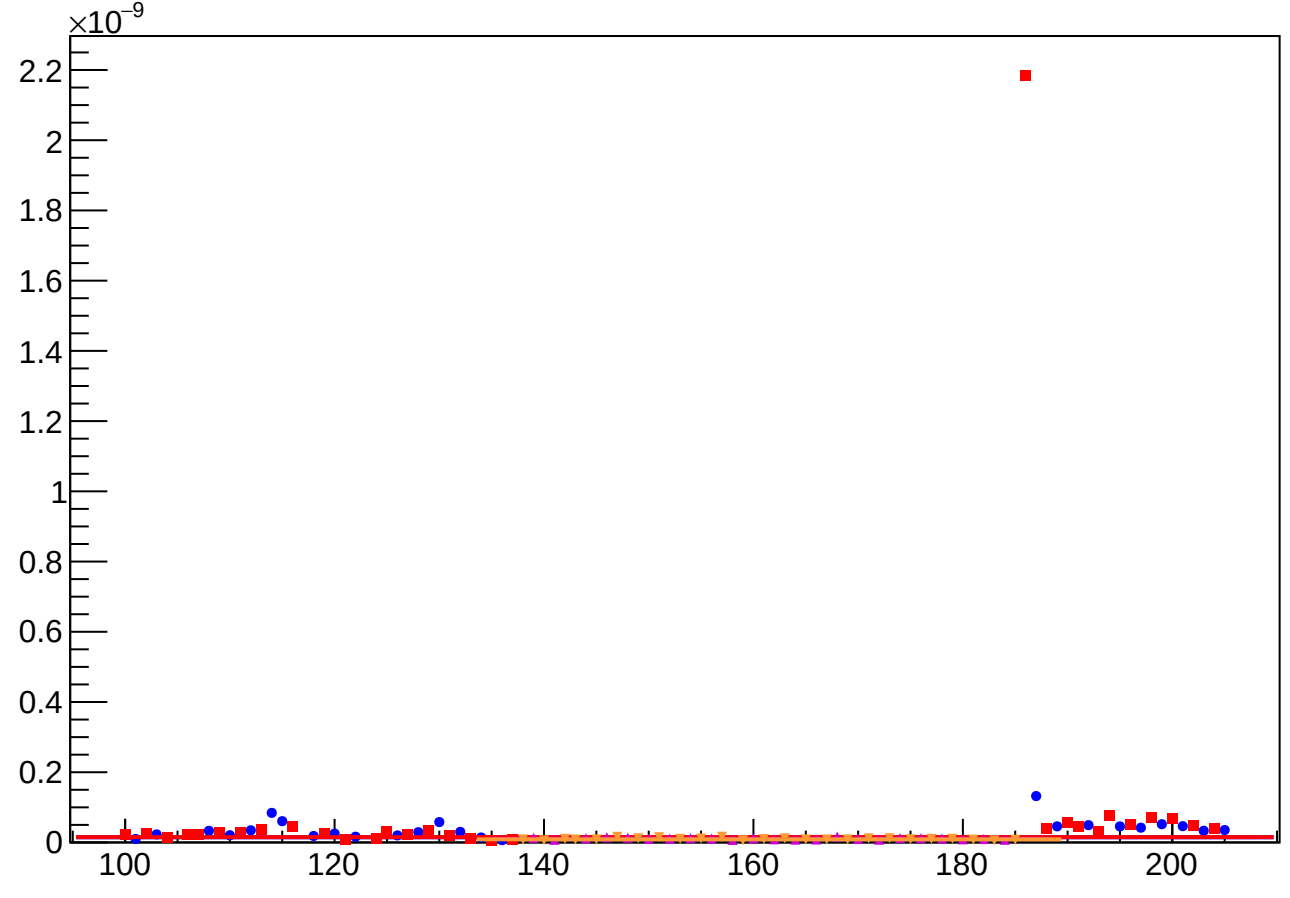
Left: 0.000+/-0.000 χ^2/NDF: 51.0/47

Right: -0.000+/-0.000 χ^2/NDF: 53.8/54

In: 0.000+/-0.000 χ^2/NDF:44.9/47

Out: 0.000+/-0.000 χ^2/NDF:60.8/54

All: 0.000+/-0.000 χ^2/NDF: 105.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 5462681.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6656111.7/29

Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

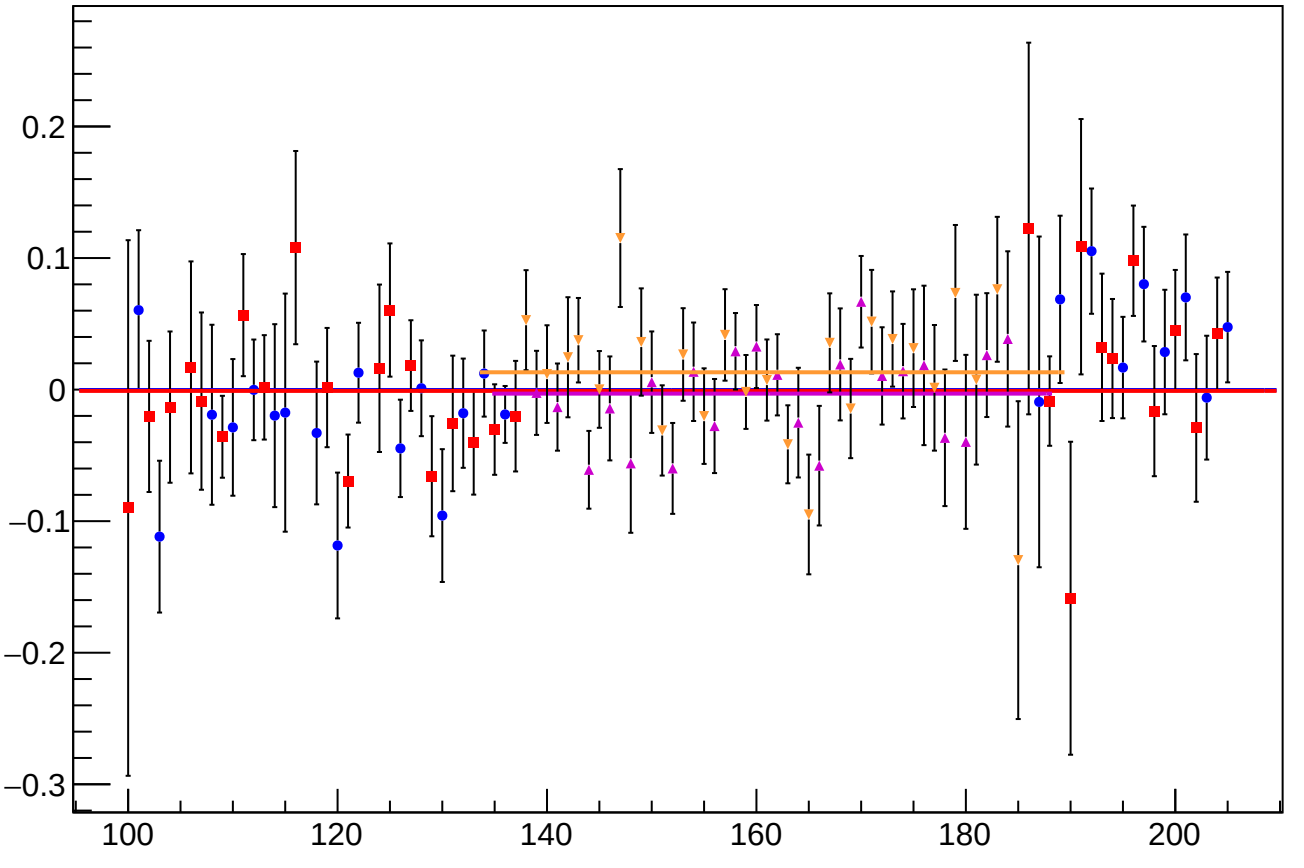
Left: 0.000+/-0.000 χ^2/NDF: 1807691.0/47

Right: 0.000+/-0.000 χ^2/NDF: 12120801.0/54

In: 0.000+/-0.000 χ^2/NDF:6717022.3/47

Out: 0.000+/-0.000 χ^2/NDF:8812376.8/54

All: 0.000+/-0.000 χ^2/NDF: 15651715.2/102



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

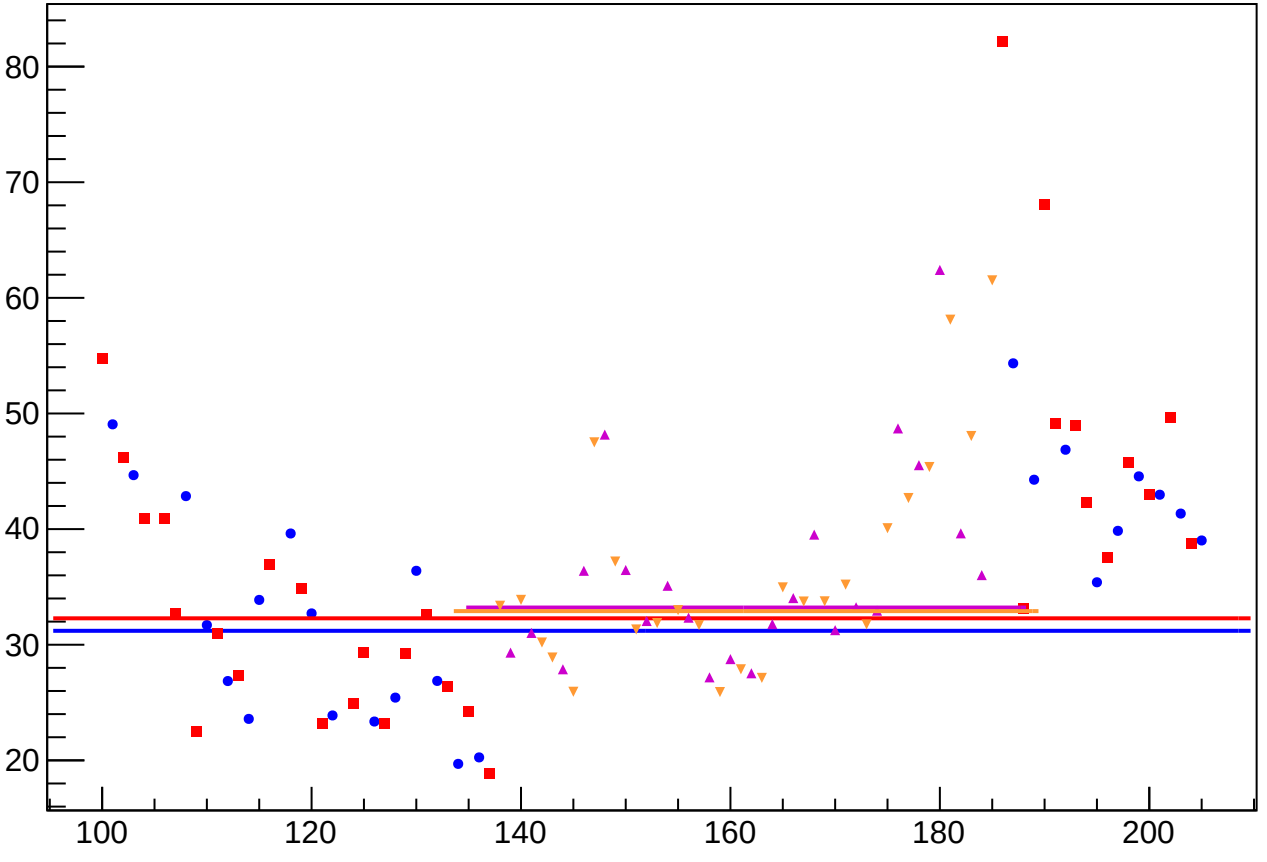
Right: -0.001+/-0.006 χ^2/NDF: 57.5/54

In: -0.002+/-0.006 χ^2/NDF:49.1/47

Out: 0.007+/-0.006 χ^2/NDF:54.5/54

All: 0.003+/-0.004 χ^2/NDF: 104.7/102

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.204+/-0.006 χ^2/NDF: 2371777.6/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.284+/-0.006 χ^2/NDF: 2416232.9/29

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

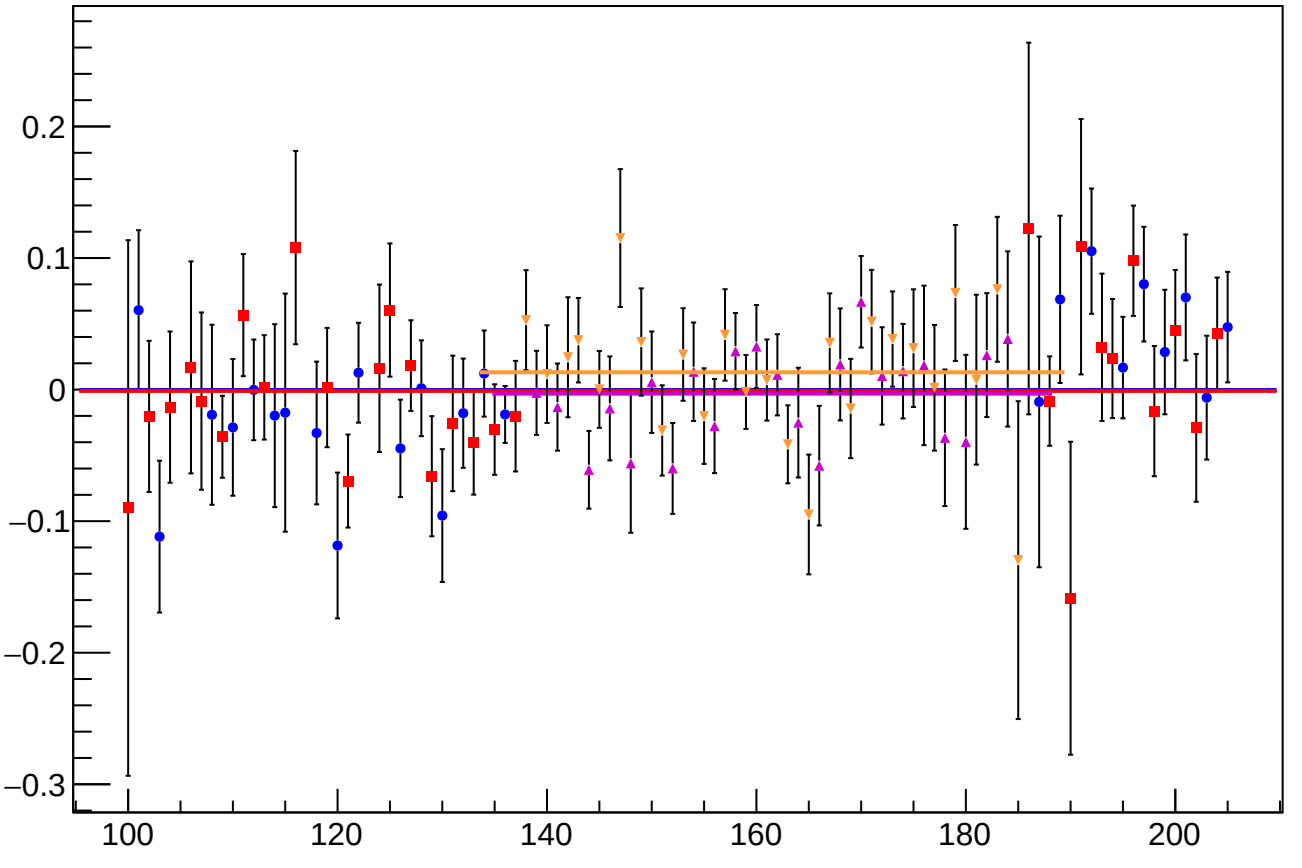
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.750+/-0.004 χ^2/NDF: 4803253.5/54

In: 32.311+/-0.004 χ^2/NDF:3650744.6/47

Out: 32.635+/-0.004 χ^2/NDF:3849917.7/54

All: 32.477+/-0.003 χ^2/NDF: 7503746.3/102



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

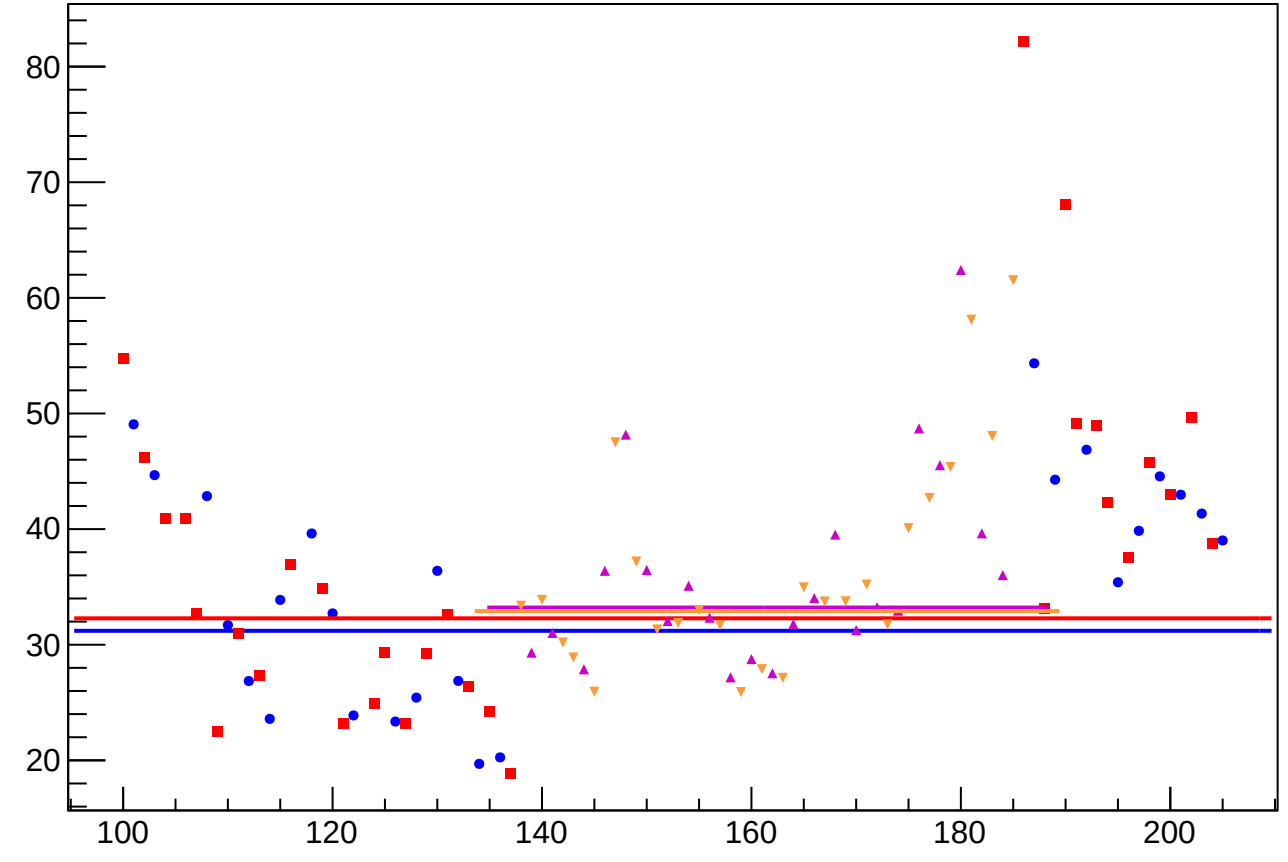
Right: -0.001+/-0.006 χ^2/NDF: 57.5/54

In: -0.002+/-0.006 χ^2/NDF:49.1/47

Out: 0.007+/-0.006 χ^2/NDF:54.5/54

All: 0.003+/-0.004 χ^2/NDF: 104.7/102

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.204+/-0.006 χ^2/NDF: 2371777.6/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

Right Out: 32.284+/-0.006 χ^2/NDF: 2416232.9/29

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

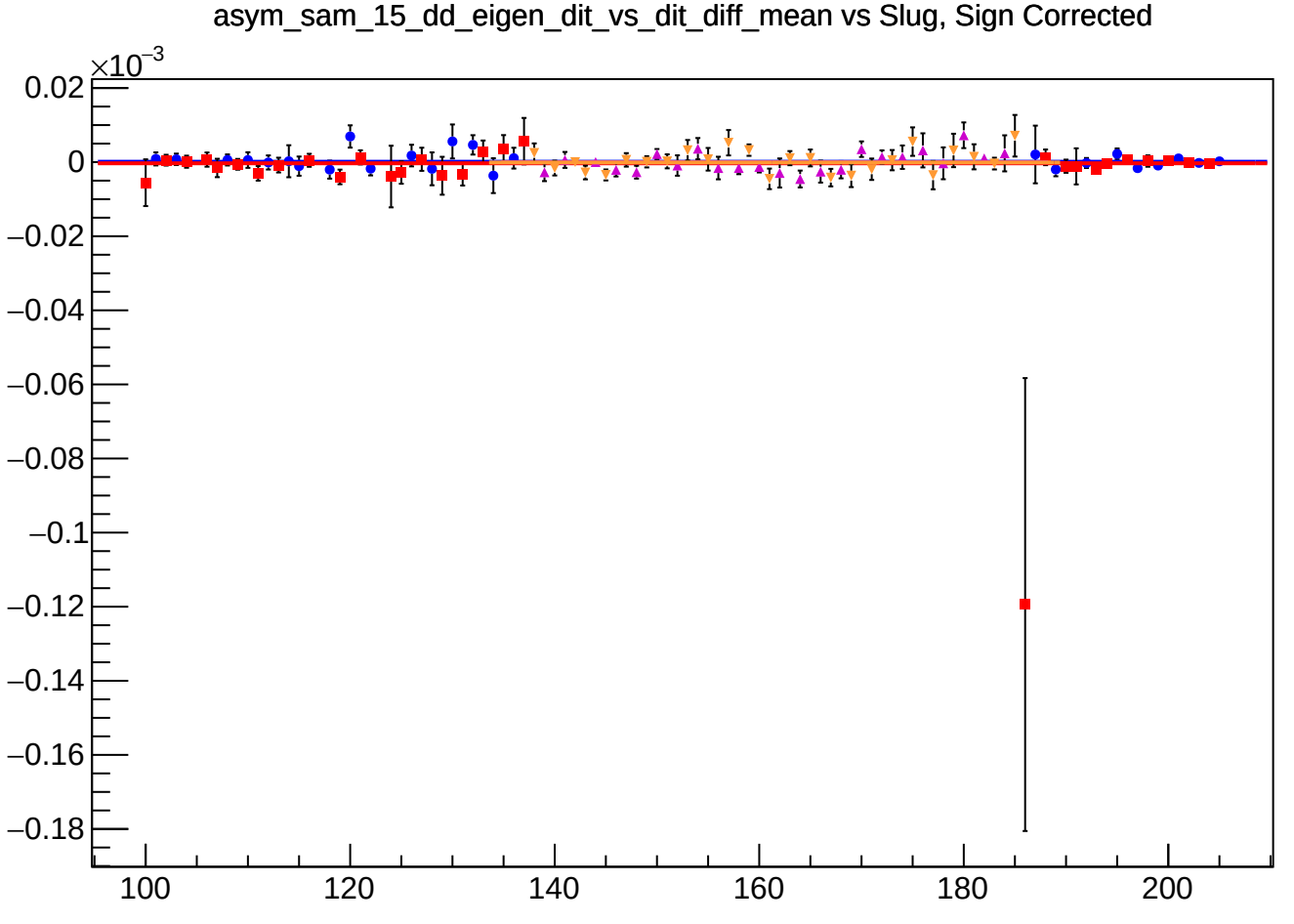
Left: 33.056+/-0.004 χ^2/NDF: 2650936.9/47

Right: 31.750+/-0.004 χ^2/NDF: 4803253.5/54

In: 32.311+/-0.004 χ^2/NDF:3650744.6/47

Out: 32.635+/-0.004 χ^2/NDF:3849917.7/54

All: 32.477+/-0.003 χ^2/NDF: 7503746.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/29

Left In: -0.000+/-0.000 χ^2/NDF:27.0/22

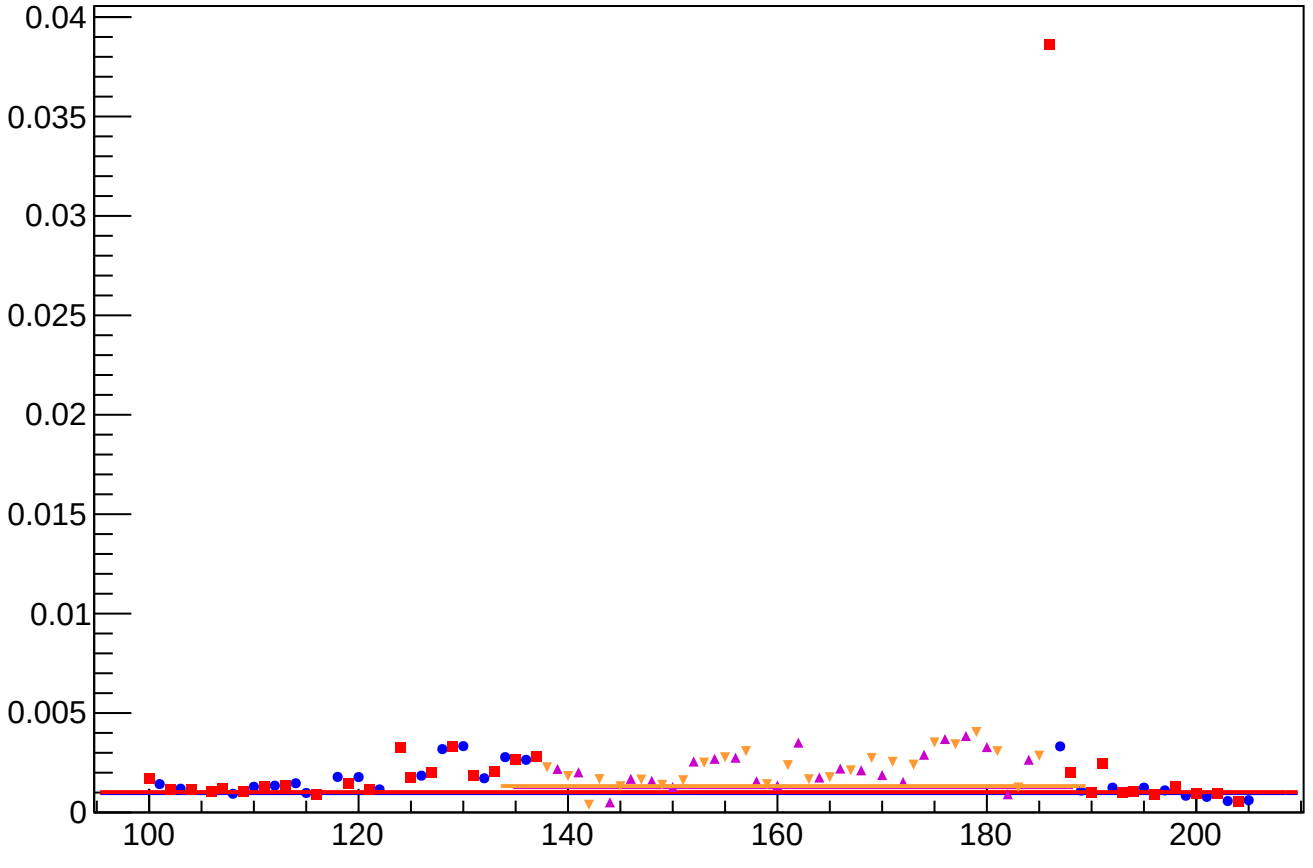
Left: -0.000+/-0.000 χ^2/NDF: 58.0/47

Right: -0.000+/-0.000 χ^2/NDF: 43.4/54

In: 0.000+/-0.000 χ^2/NDF:48.4/47

Out: -0.000+/-0.000 χ^2/NDF:52.3/54

All: -0.000+/-0.000 χ^2/NDF: 101.4/102



Right In: 0.001+/-0.000 χ^2/NDF: 4703805.3/24

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

Right Out: 0.001+/-0.000 χ^2/NDF: 4898003.4/29

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

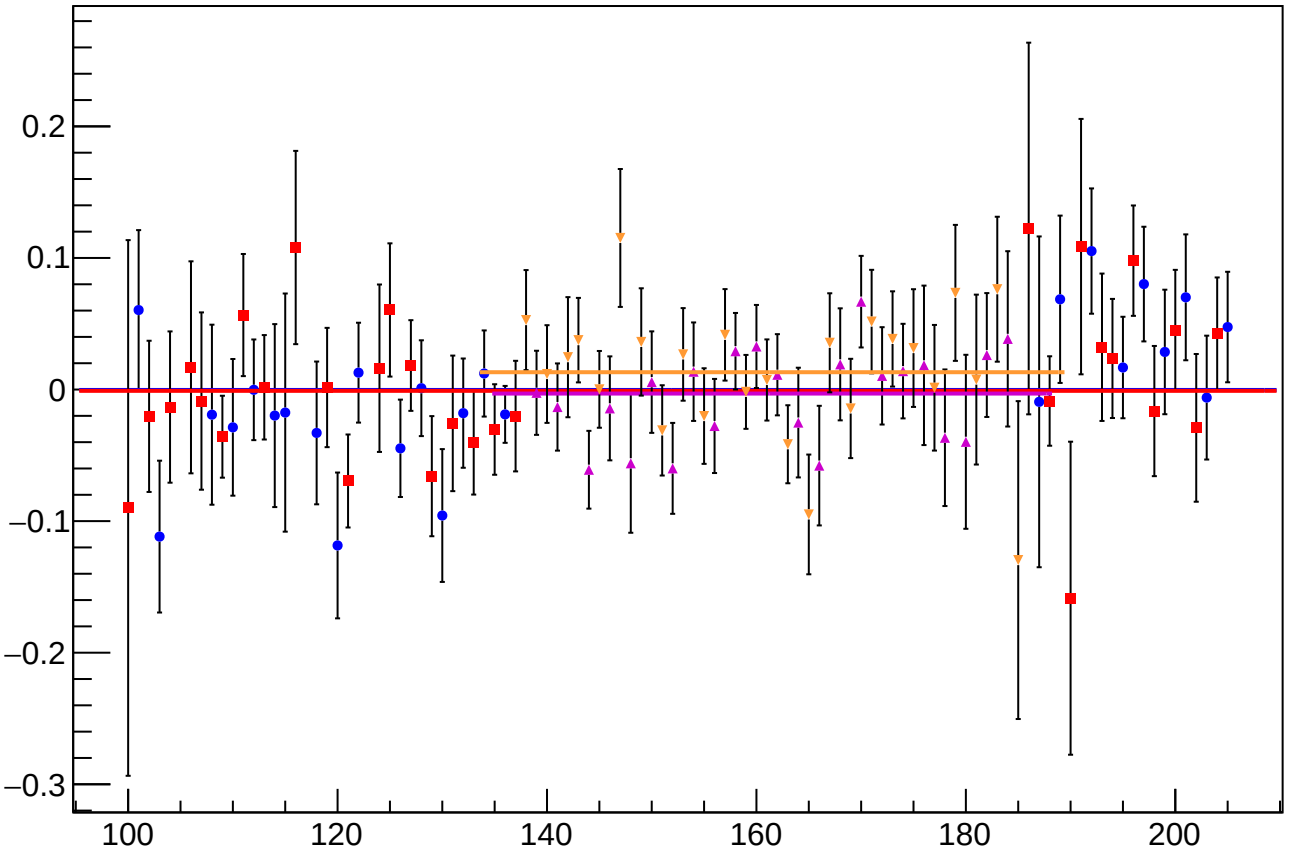
Left: 0.001+/-0.000 χ^2/NDF: 21058948.3/47

Right: 0.001+/-0.000 χ^2/NDF: 9628286.6/54

In: 0.001+/-0.000 χ^2/NDF:15424692.6/47

Out: 0.001+/-0.000 χ^2/NDF:16899978.0/54

All: 0.001+/-0.000 χ^2/NDF: 32359909.6/102



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

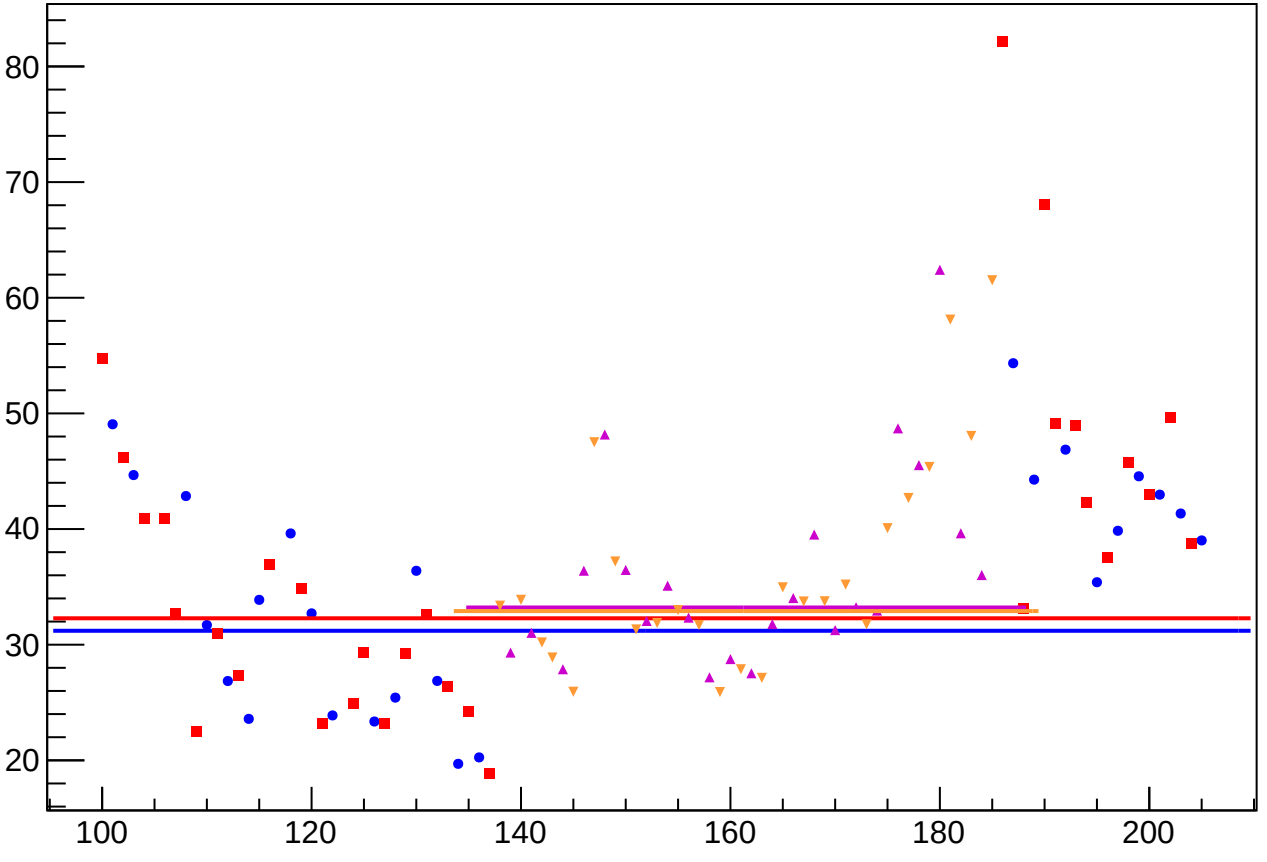
Right: -0.001+/-0.006 χ^2/NDF: 57.5/54

In: -0.002+/-0.006 χ^2/NDF:49.1/47

Out: 0.007+/-0.006 χ^2/NDF:54.5/54

All: 0.003+/-0.004 χ^2/NDF: 104.7/102

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.203+/-0.006 χ^2/NDF: 2371974.9/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.283+/-0.006 χ^2/NDF: 2416558.6/29

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

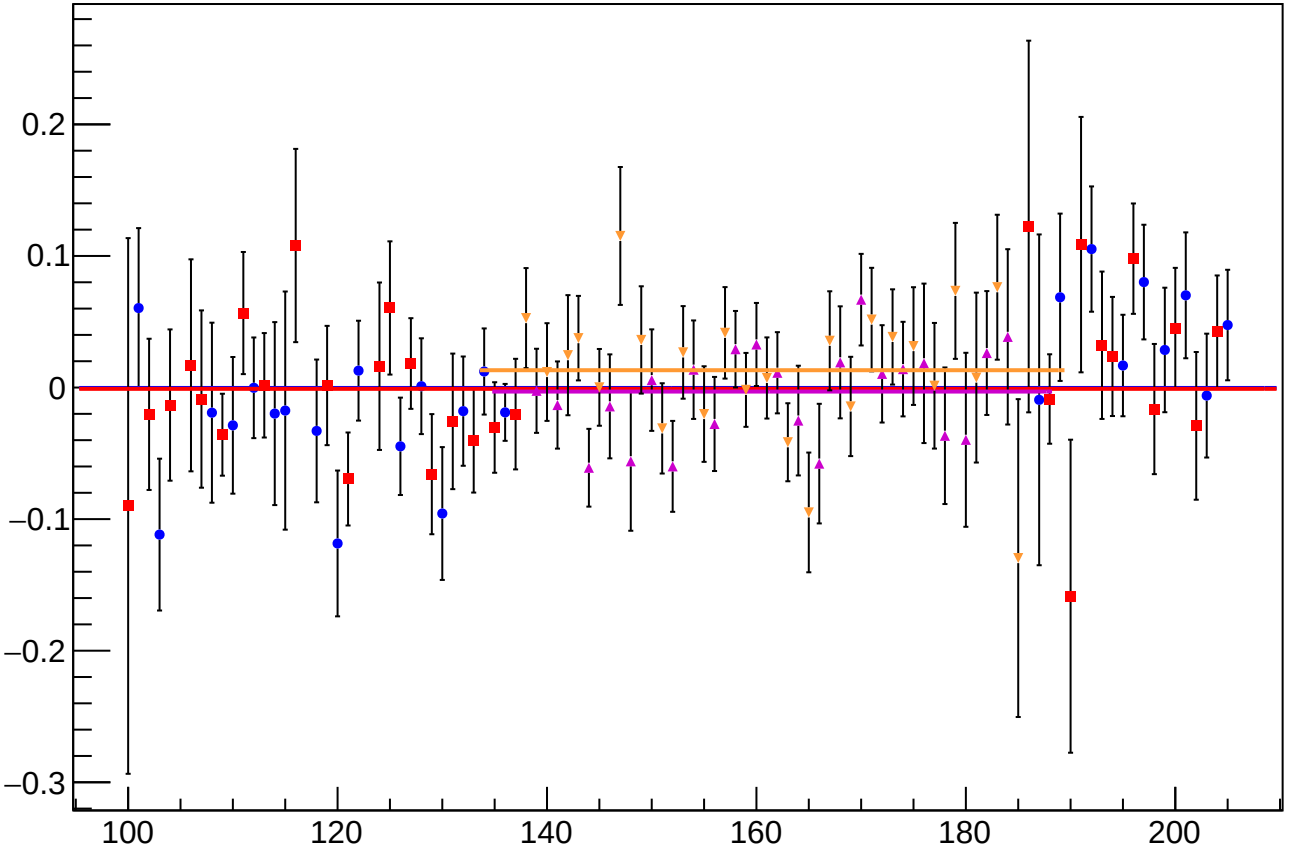
Right: 31.749+/-0.004 χ^2/NDF: 4803768.8/54

In: 32.310+/-0.004 χ^2/NDF:3651060.1/47

Out: 32.634+/-0.004 χ^2/NDF:3850332.1/54

All: 32.476+/-0.003 χ^2/NDF: 7504473.2/102

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.009 χ^2/NDF: 27.6/29

Left In: -0.003+/-0.008 χ^2/NDF:19.2/22

Left: 0.005+/-0.006 χ^2/NDF: 46.7/47

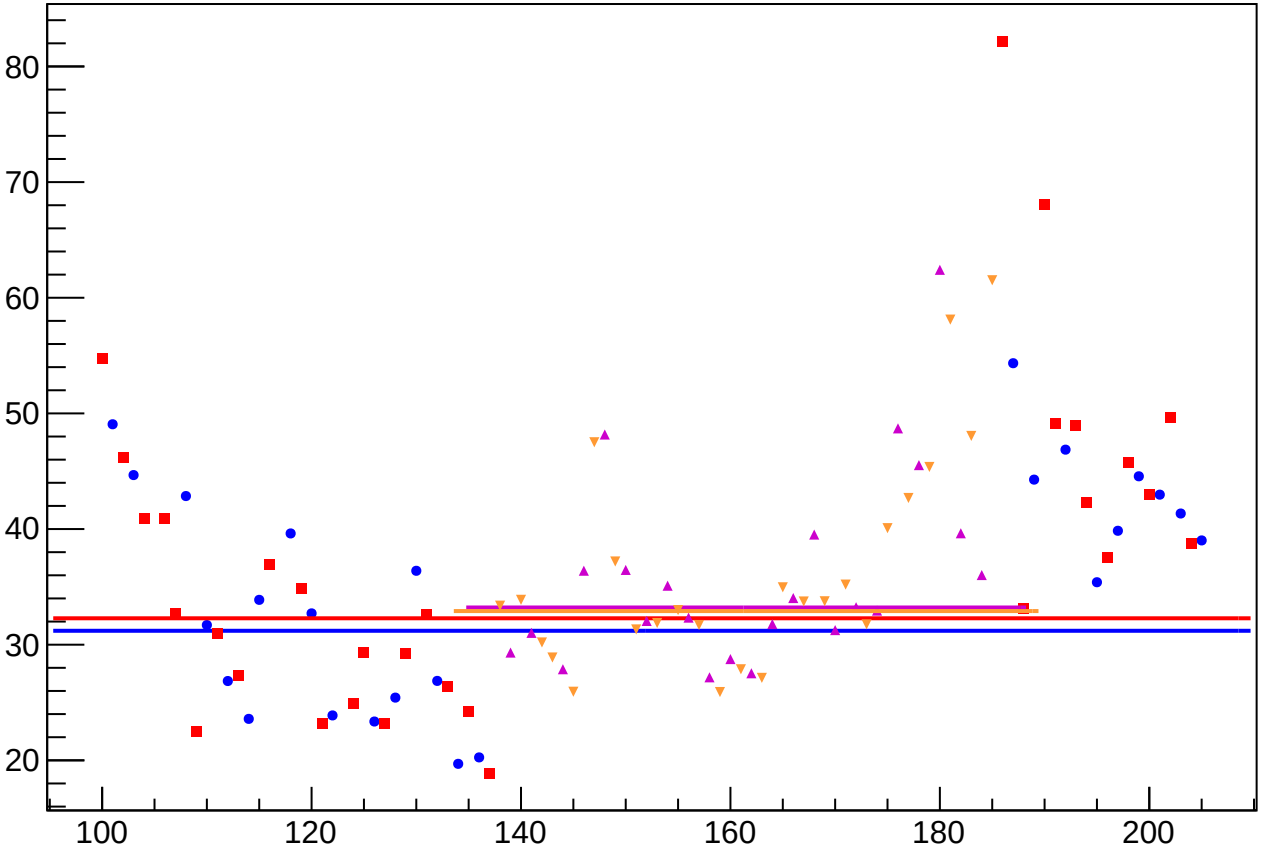
Right: -0.001+/-0.006 χ^2/NDF: 57.5/54

In: -0.002+/-0.006 χ^2/NDF:49.1/47

Out: 0.007+/-0.006 χ^2/NDF:54.5/54

All: 0.003+/-0.004 χ^2/NDF: 104.7/102

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.203+/-0.006 χ^2/NDF: 2371974.9/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

Right Out: 32.283+/-0.006 χ^2/NDF: 2416558.6/29

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

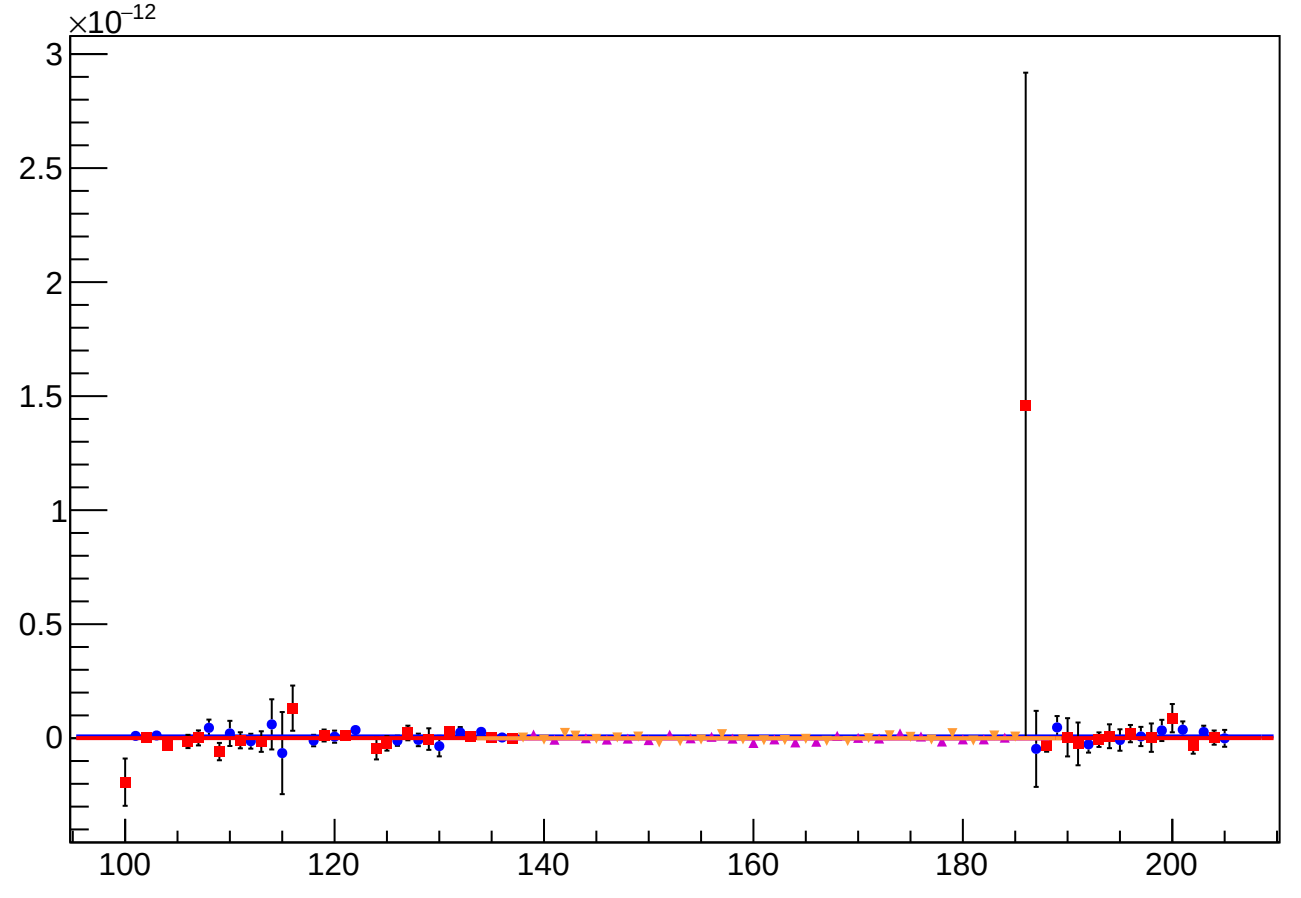
Left: 33.056+/-0.004 χ^2/NDF: 2651077.1/47

Right: 31.749+/-0.004 χ^2/NDF: 4803768.8/54

In: 32.310+/-0.004 χ^2/NDF:3651060.1/47

Out: 32.634+/-0.004 χ^2/NDF:3850332.1/54

All: 32.476+/-0.003 χ^2/NDF: 7504473.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.3/29

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

Left: -0.000+/-0.000 χ^2/NDF: 56.5/47

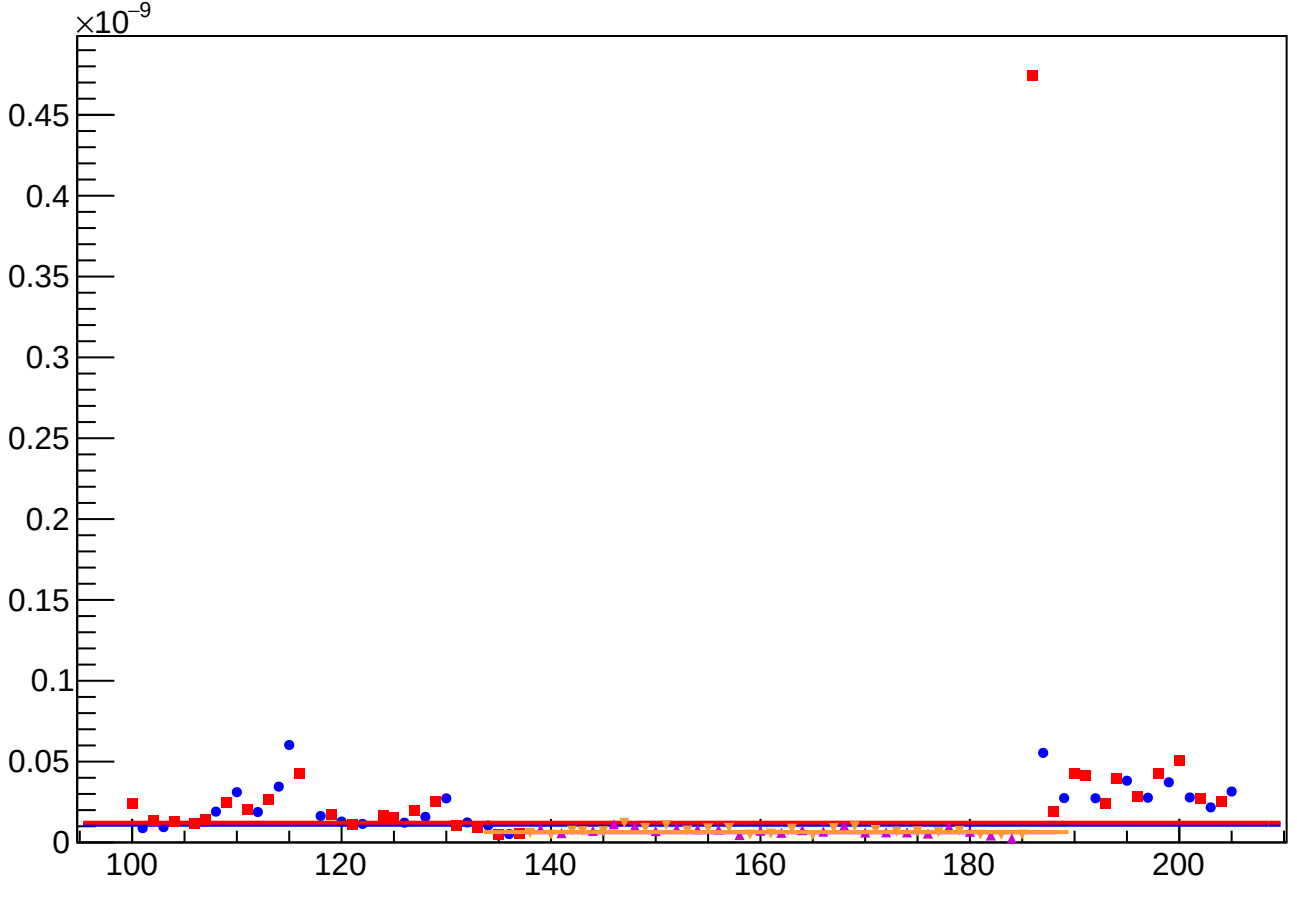
Right: 0.000+/-0.000 χ^2/NDF: 34.3/54

In: 0.000+/-0.000 χ^2/NDF:40.6/47

Out: -0.000+/-0.000 χ^2/NDF:52.3/54

All: 0.000+/-0.000 χ^2/NDF: 93.0/102

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6541630.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7043433.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

Left: 0.000+/-0.000 χ^2/NDF: 4010035.8/47

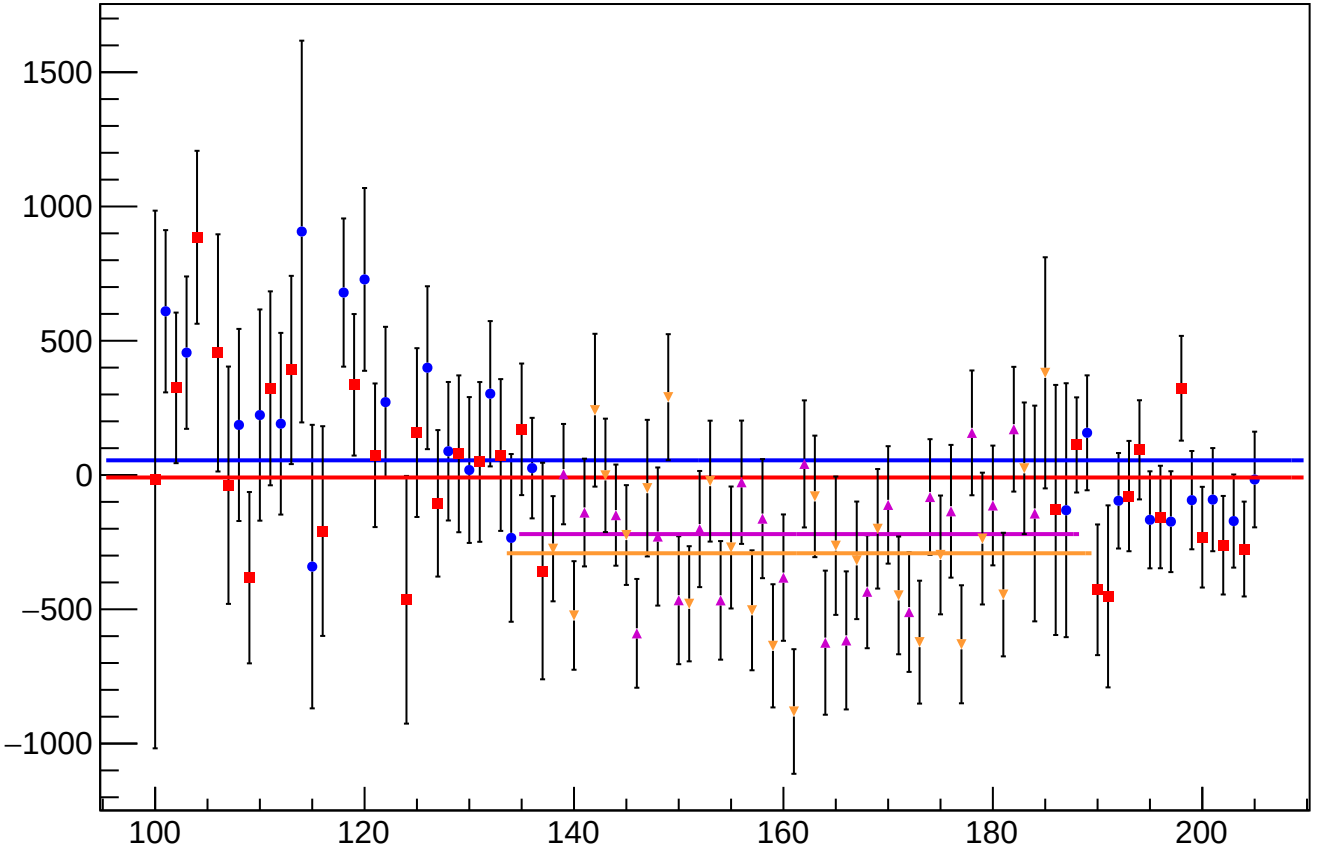
Right: 0.000+/-0.000 χ^2/NDF: 13667115.8/54

In: 0.000+/-0.000 χ^2/NDF:10598185.5/47

Out: 0.000+/-0.000 χ^2/NDF:11671681.3/54

All: 0.000+/-0.000 χ^2/NDF: 22277944.8/102

reg_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 54.743+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -9.153+/-47.683 χ^2/NDF: 33.4/29

Left In: -219.974+/-47.146 χ^2/NDF:23.7/22

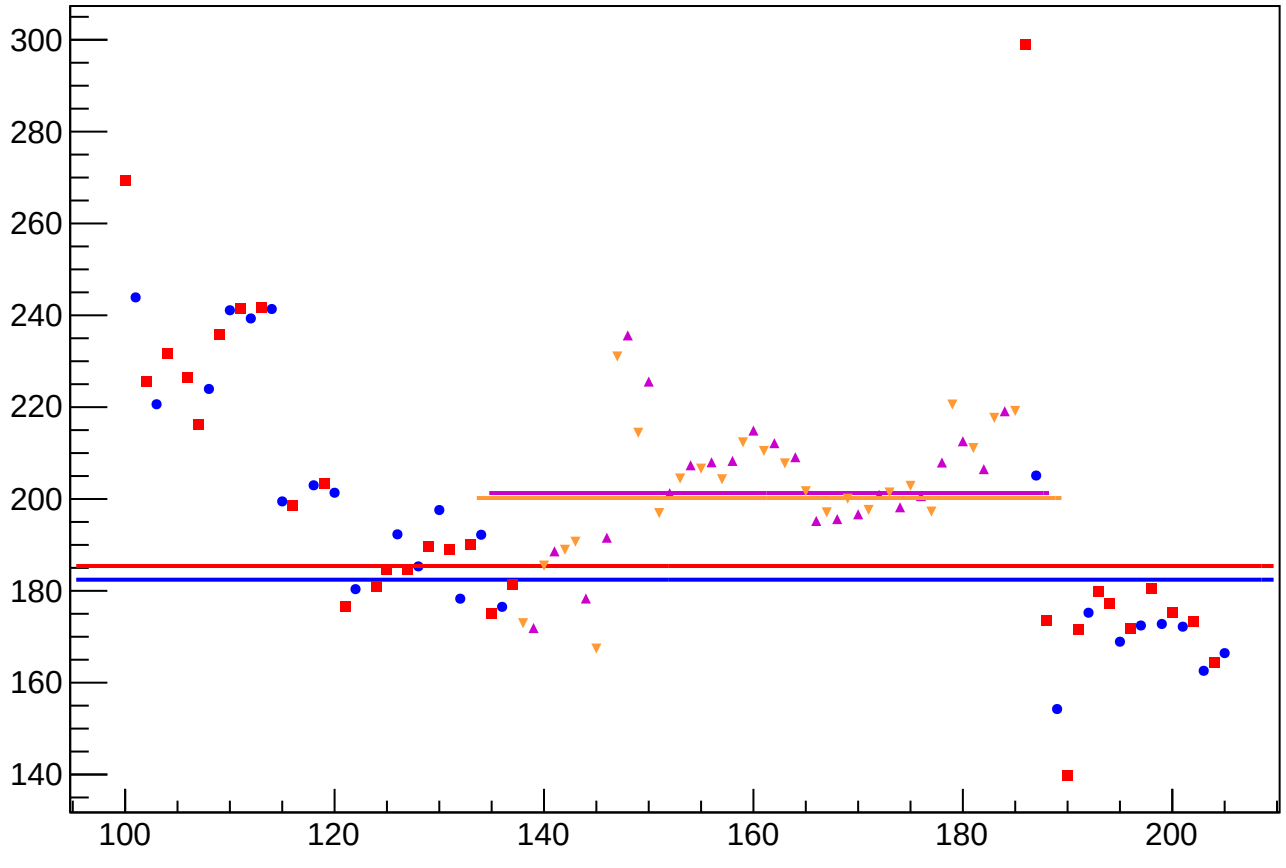
Left: -256.821+/-32.782 χ^2/NDF: 61.3/47

Right: 21.944+/-34.163 χ^2/NDF: 62.0/54

In: -87.832+/-33.964 χ^2/NDF:67.8/47

Out: -156.488+/-32.961 χ^2/NDF:88.0/54

All: -123.188+/-23.654 χ^2/NDF: 157.9/102



Right In: 182.426+/-0.035 χ^2/NDF: 406259.7/24

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 185.408+/-0.034 χ^2/NDF: 553211.6/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

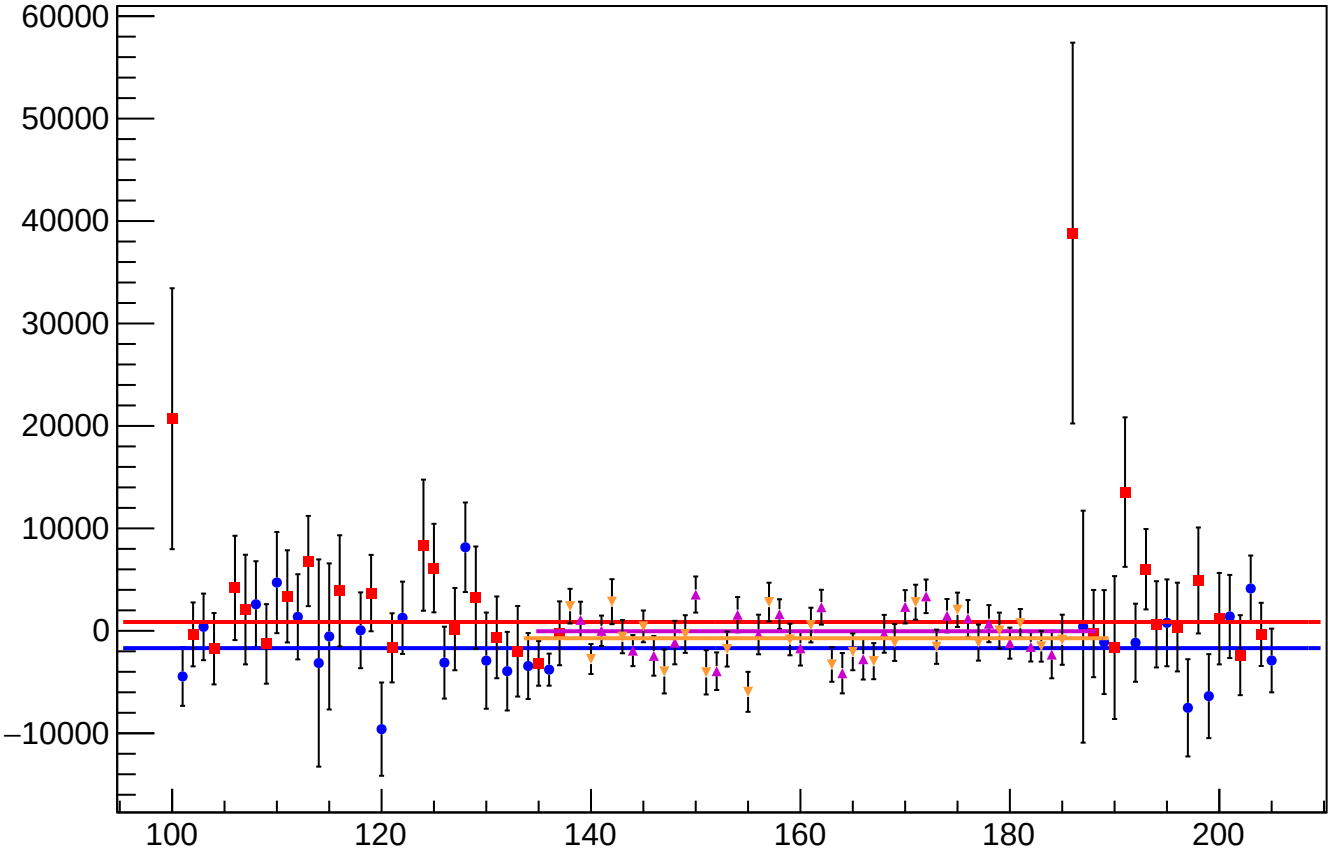
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 183.956+/-0.024 χ^2/NDF: 963278.2/54

In: 192.220+/-0.024 χ^2/NDF:742051.0/47

Out: 193.137+/-0.023 χ^2/NDF:858244.6/54

All: 192.692+/-0.017 χ^2/NDF: 1601046.5/102



Right In: -1688.708+/-727.214 χ^2/NDF: 23.6/24

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: 861.567+/-752.938 χ^2/NDF: 25.3/29

Left In: -39.277+/-359.265 χ^2/NDF:34.4/22

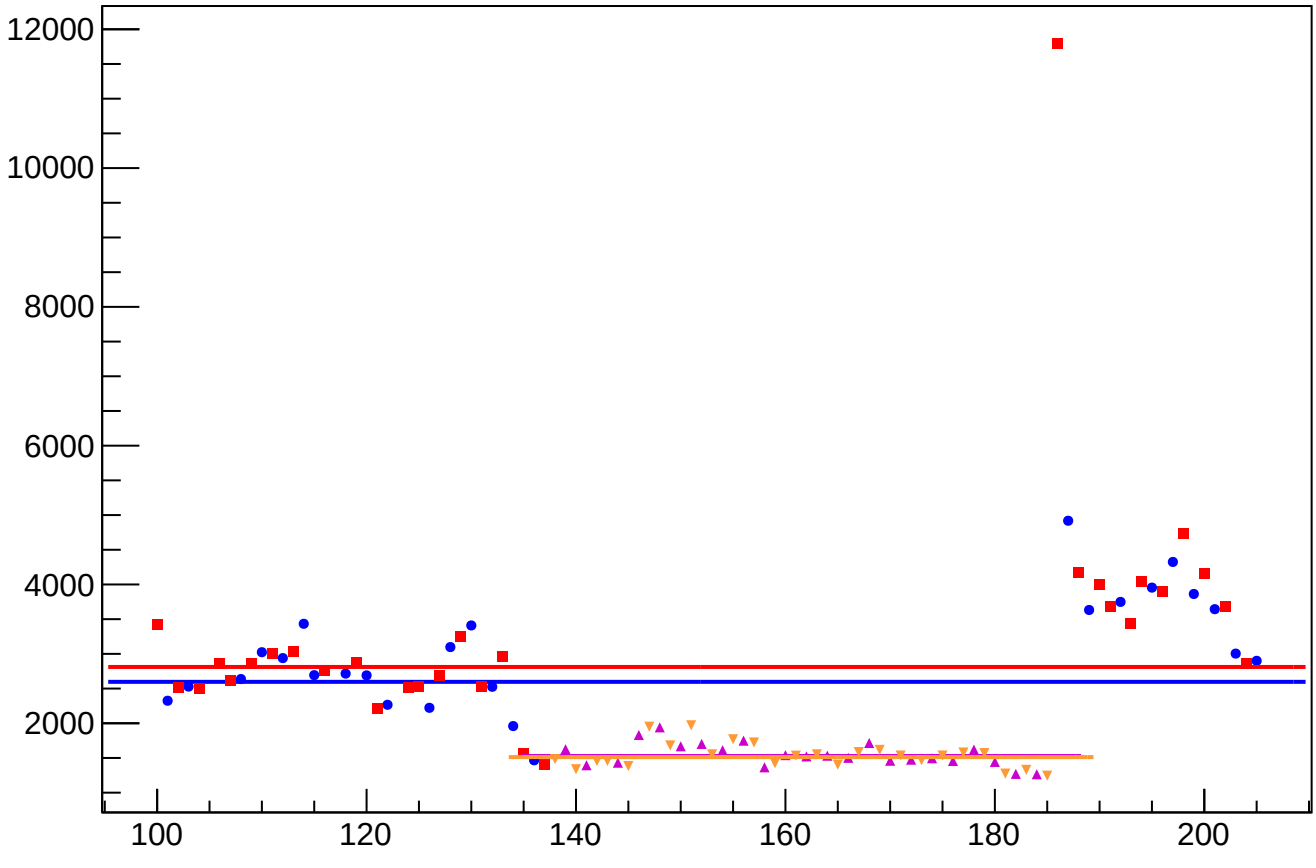
Left: -392.431+/-249.357 χ^2/NDF: 74.6/47

Right: -457.879+/-523.076 χ^2/NDF: 54.8/54

In: -362.868+/-322.102 χ^2/NDF:62.1/47

Out: -444.333+/-314.675 χ^2/NDF:67.3/54

All: -404.550+/-225.089 χ^2/NDF: 129.4/102



Right In: 2597.074+/-0.514 χ^2/NDF: 2510983.0/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2811.454+/-0.532 χ^2/NDF: 2889481.9/29

Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

Left: 1519.879+/-0.176 χ^2/NDF: 818356.6/47

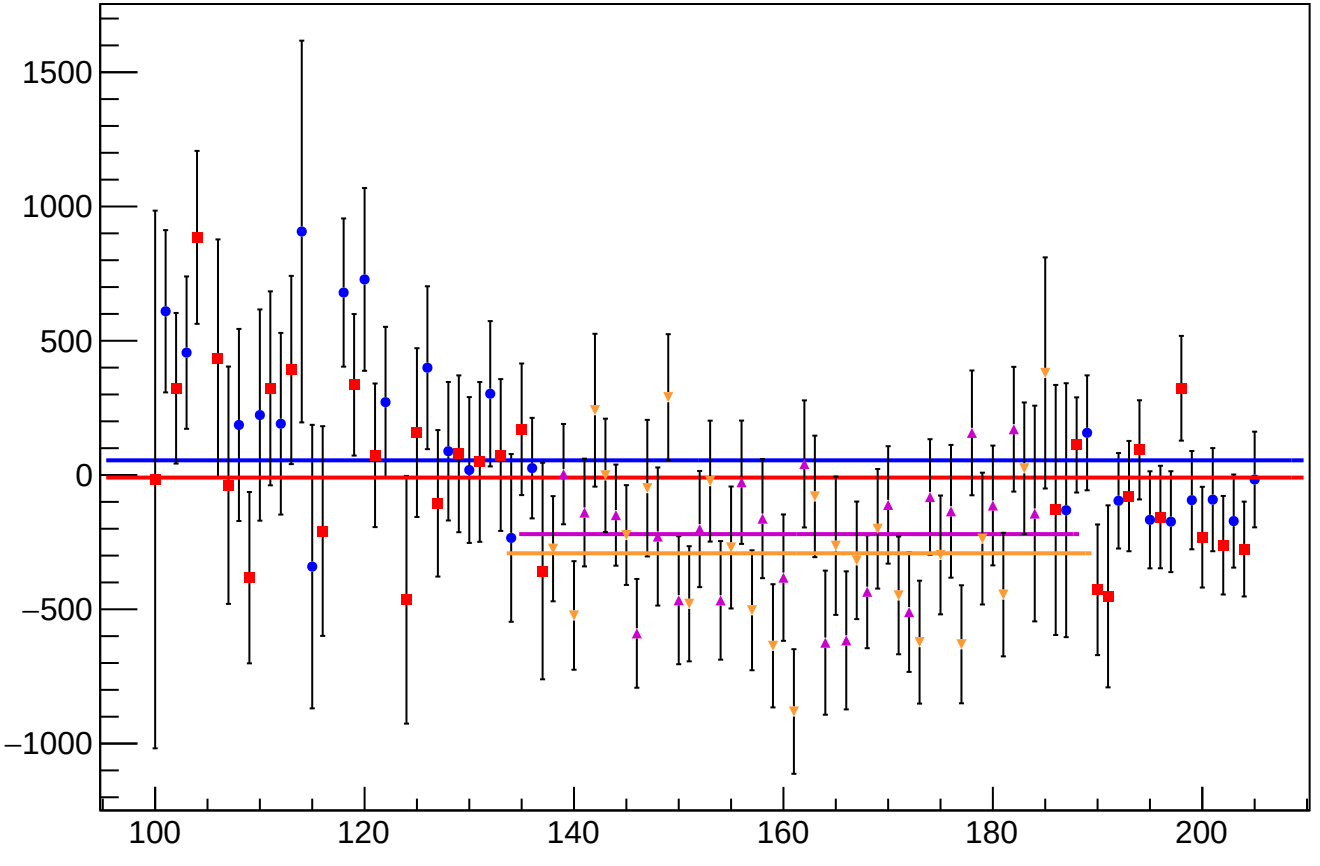
Right: 2700.539+/-0.370 χ^2/NDF: 5484349.9/54

In: 1737.706+/-0.228 χ^2/NDF:6359446.0/47

Out: 1739.271+/-0.223 χ^2/NDF:8245866.1/54

All: 1738.506+/-0.159 χ^2/NDF: 14605336.3/1

cor_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 54.740+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -9.494+/-47.686 χ^2/NDF: 33.3/29

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

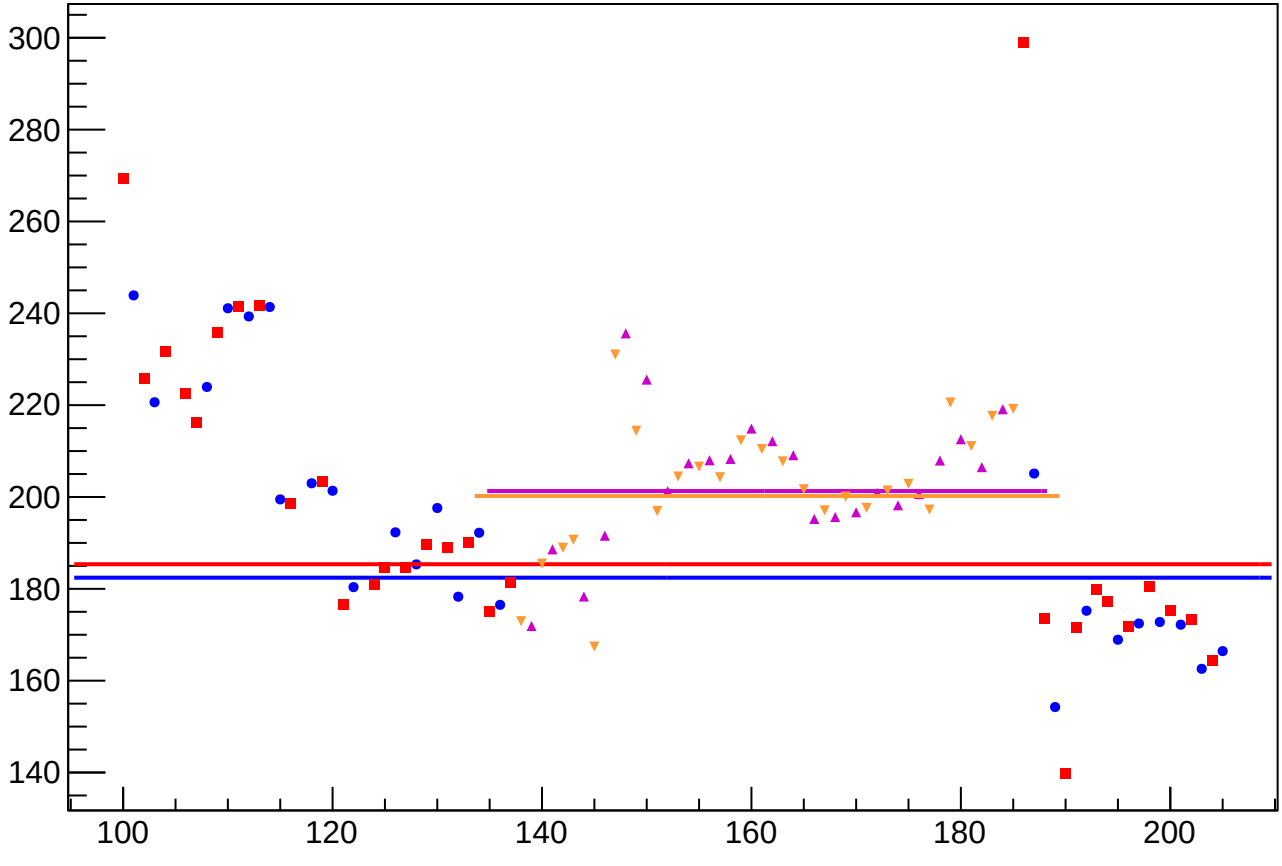
Right: 21.769+/-34.164 χ^2/NDF: 61.9/54

In: -87.837+/-33.964 χ^2/NDF:67.8/47

Out: -156.660+/-32.962 χ^2/NDF:87.9/54

All: -123.279+/-23.654 χ^2/NDF: 157.8/102

cor_asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 182.426+/-0.035 χ^2/NDF: 406260.2/24

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 185.359+/-0.034 χ^2/NDF: 550051.0/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

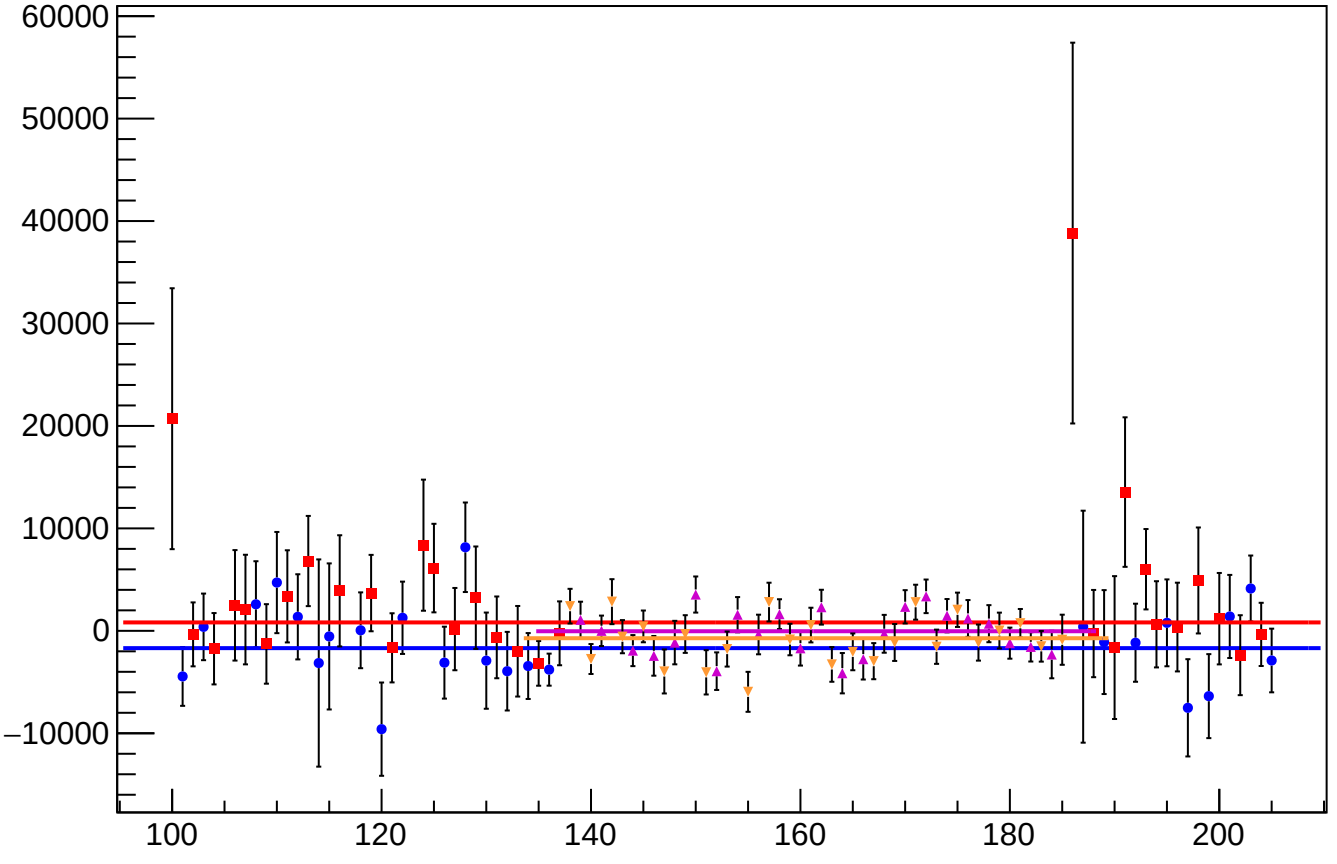
Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

Right: 183.932+/-0.024 χ^2/NDF: 959995.9/54

In: 192.220+/-0.024 χ^2/NDF:742051.4/47

Out: 193.114+/-0.023 χ^2/NDF:855734.3/54

All: 192.680+/-0.017 χ^2/NDF: 1598500.1/102



Right In: -1688.684+/-727.215 χ^2/NDF: 23.6/24

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 820.599+/-753.851 χ^2/NDF: 25.0/29

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

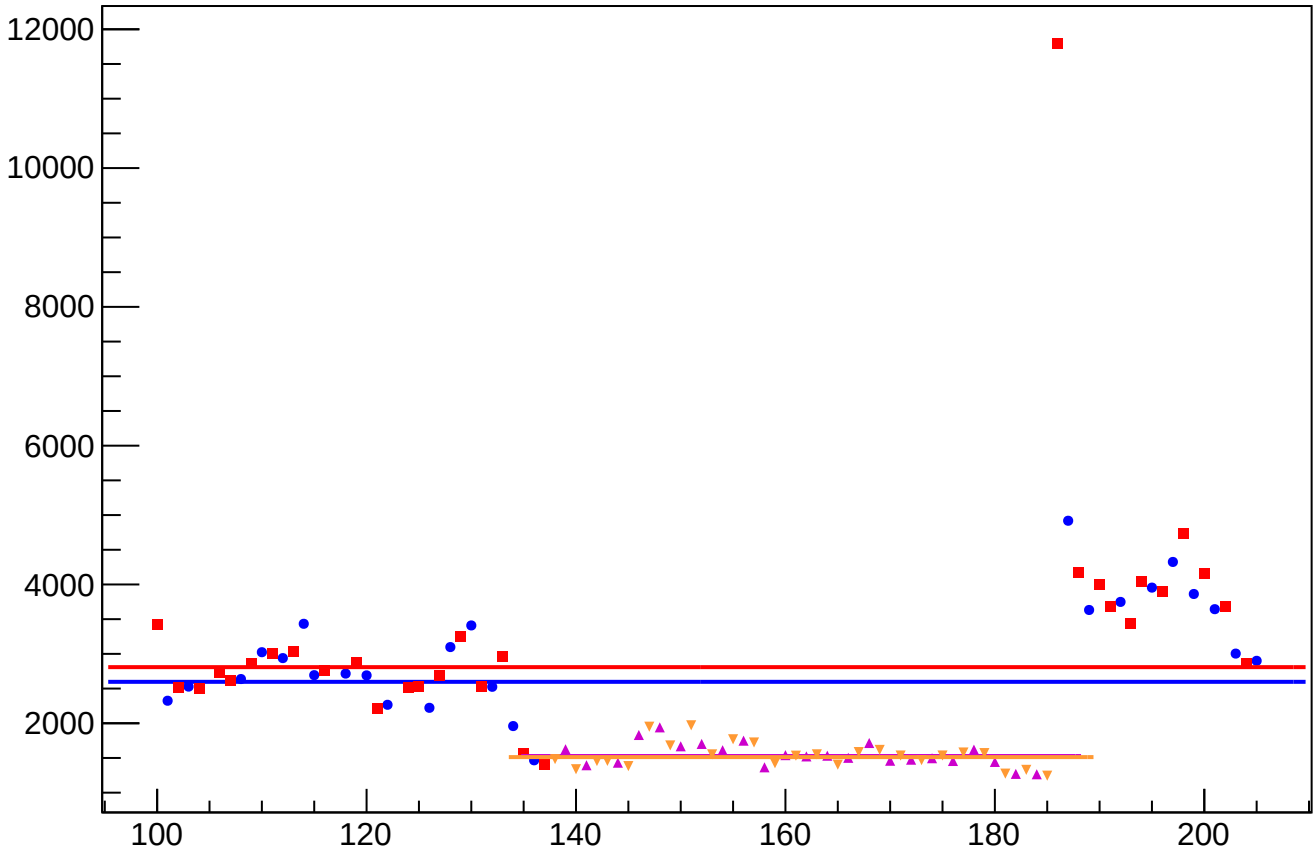
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -479.155+/-523.382 χ^2/NDF: 54.3/54

In: -362.861+/-322.102 χ^2/NDF:62.1/47

Out: -452.030+/-314.742 χ^2/NDF:66.7/54

All: -408.476+/-225.113 χ^2/NDF: 128.9/102



Right In: 2597.078+/-0.514 χ^2/NDF: 2510978.7/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2808.726+/-0.533 χ^2/NDF: 2889538.5/29

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

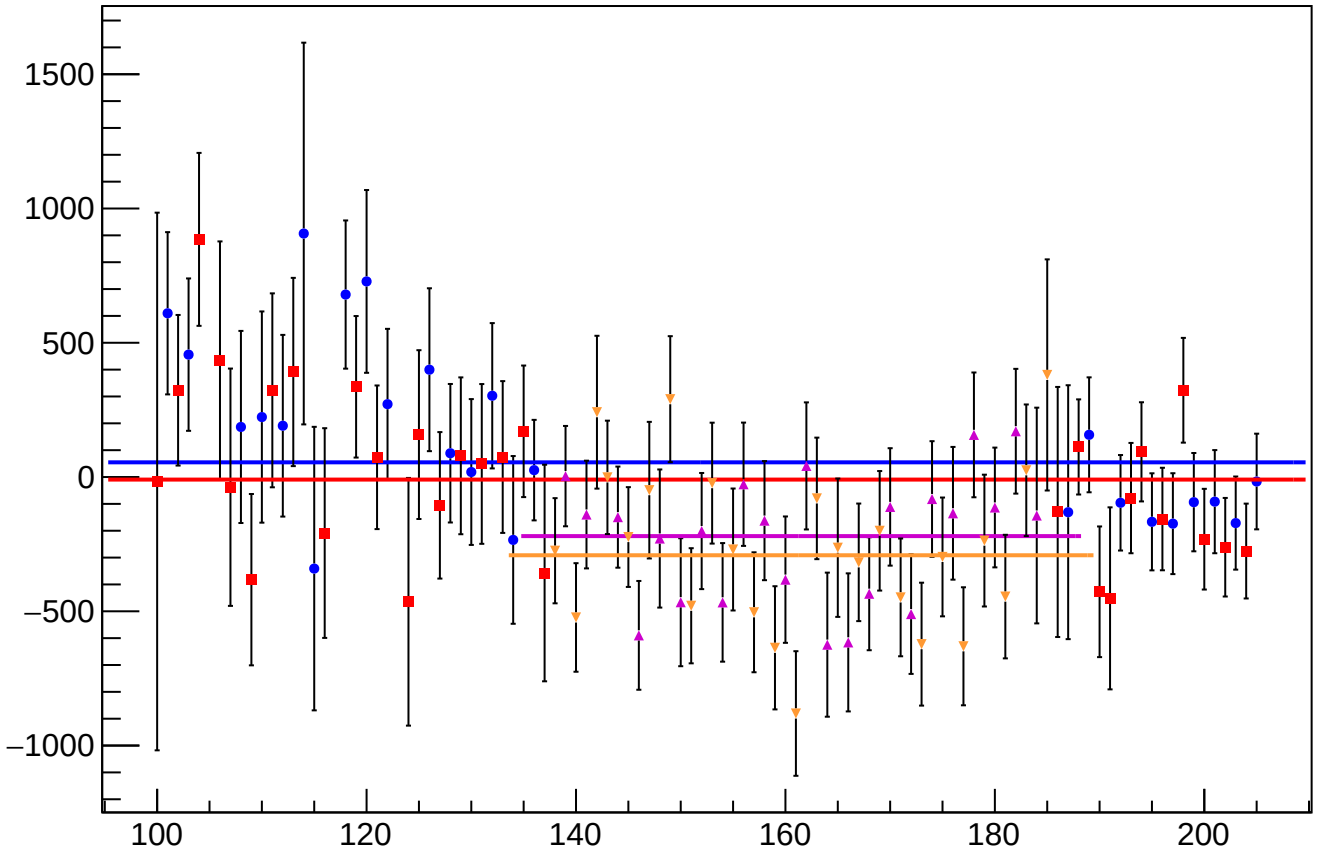
Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

Right: 2699.097+/-0.370 χ^2/NDF: 5482175.4/54

In: 1737.706+/-0.228 χ^2/NDF:6359457.4/47

Out: 1738.342+/-0.223 χ^2/NDF:8215527.1/54

All: 1738.031+/-0.159 χ^2/NDF: 14574988.5/1



Right In: 54.740+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -9.494+/-47.686 χ^2/NDF: 33.3/29

Left In: -219.983+/-47.146 χ^2/NDF:23.7/22

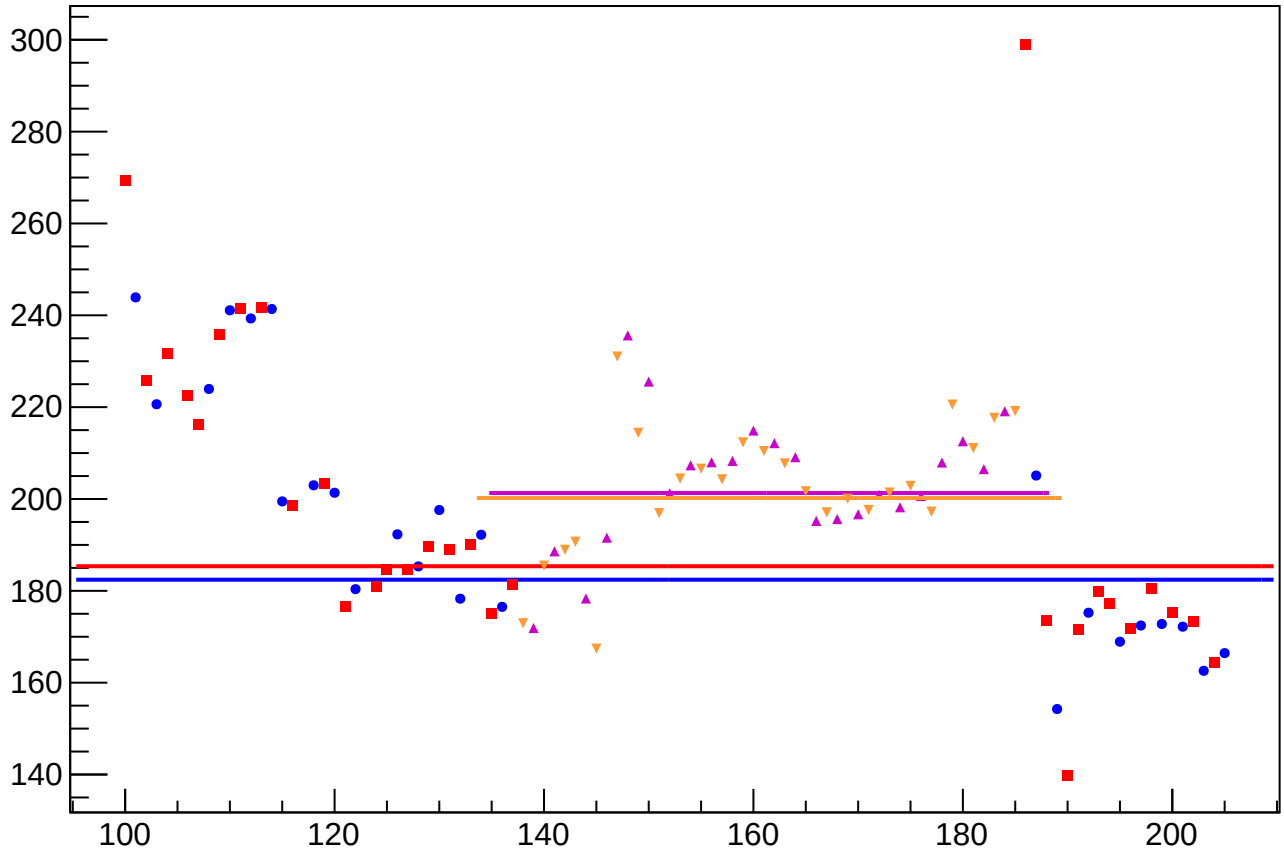
Left: -256.827+/-32.782 χ^2/NDF: 61.3/47

Right: 21.769+/-34.164 χ^2/NDF: 61.9/54

In: -87.837+/-33.964 χ^2/NDF:67.8/47

Out: -156.660+/-32.962 χ^2/NDF:87.9/54

All: -123.279+/-23.654 χ^2/NDF: 157.8/102



Right In: 182.426+/-0.035 χ^2/NDF: 406260.2/24

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 185.359+/-0.034 χ^2/NDF: 550051.0/29

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

Left: 200.736+/-0.023 χ^2/NDF: 386590.4/47

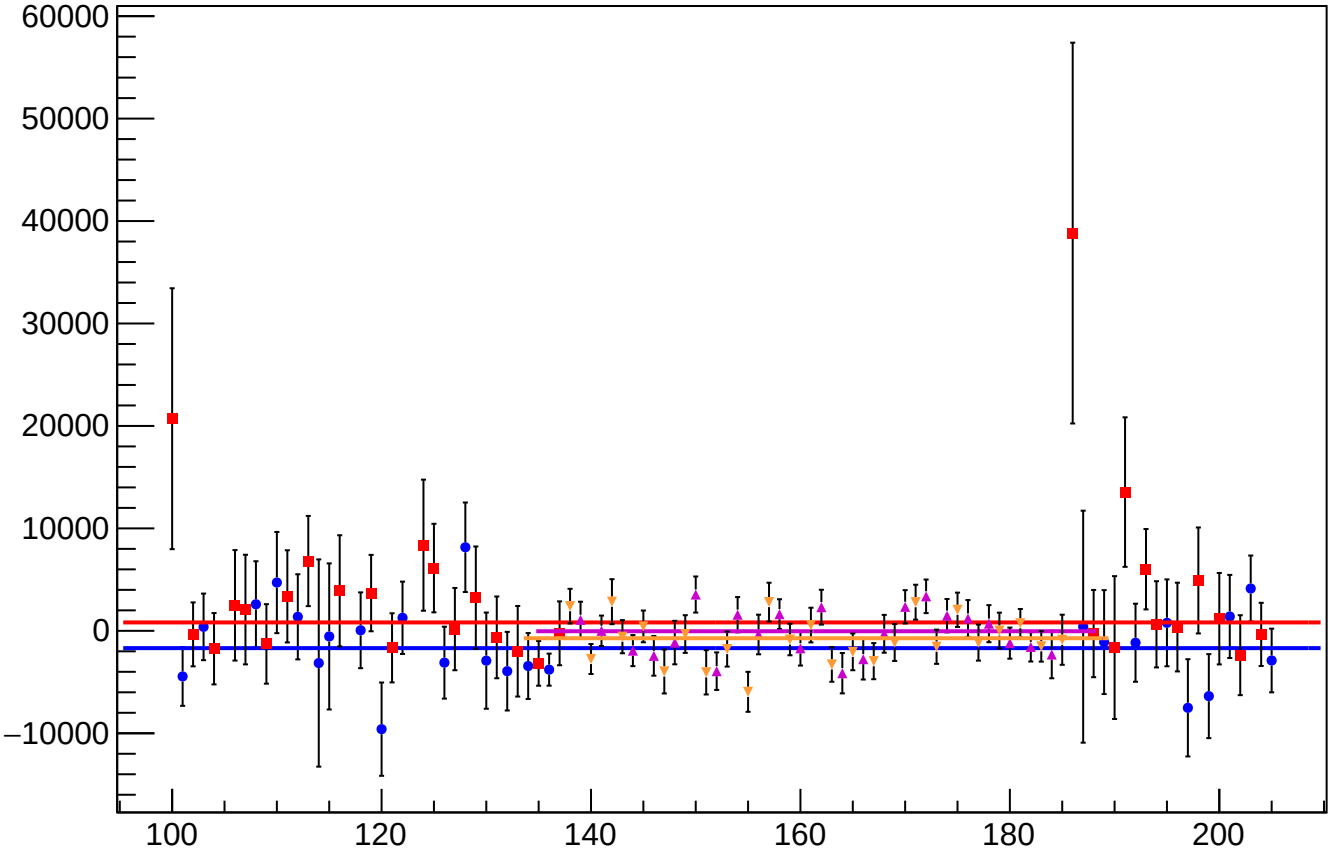
Right: 183.932+/-0.024 χ^2/NDF: 959995.9/54

In: 192.220+/-0.024 χ^2/NDF:742051.4/47

Out: 193.114+/-0.023 χ^2/NDF:855734.3/54

All: 192.680+/-0.017 χ^2/NDF: 1598500.1/102

asym_sam_26_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -1688.684+/-727.215 χ^2/NDF: 23.6/24

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: 820.599+/-753.851 χ^2/NDF: 25.0/29

Left In: -39.275+/-359.265 χ^2/NDF:34.4/22

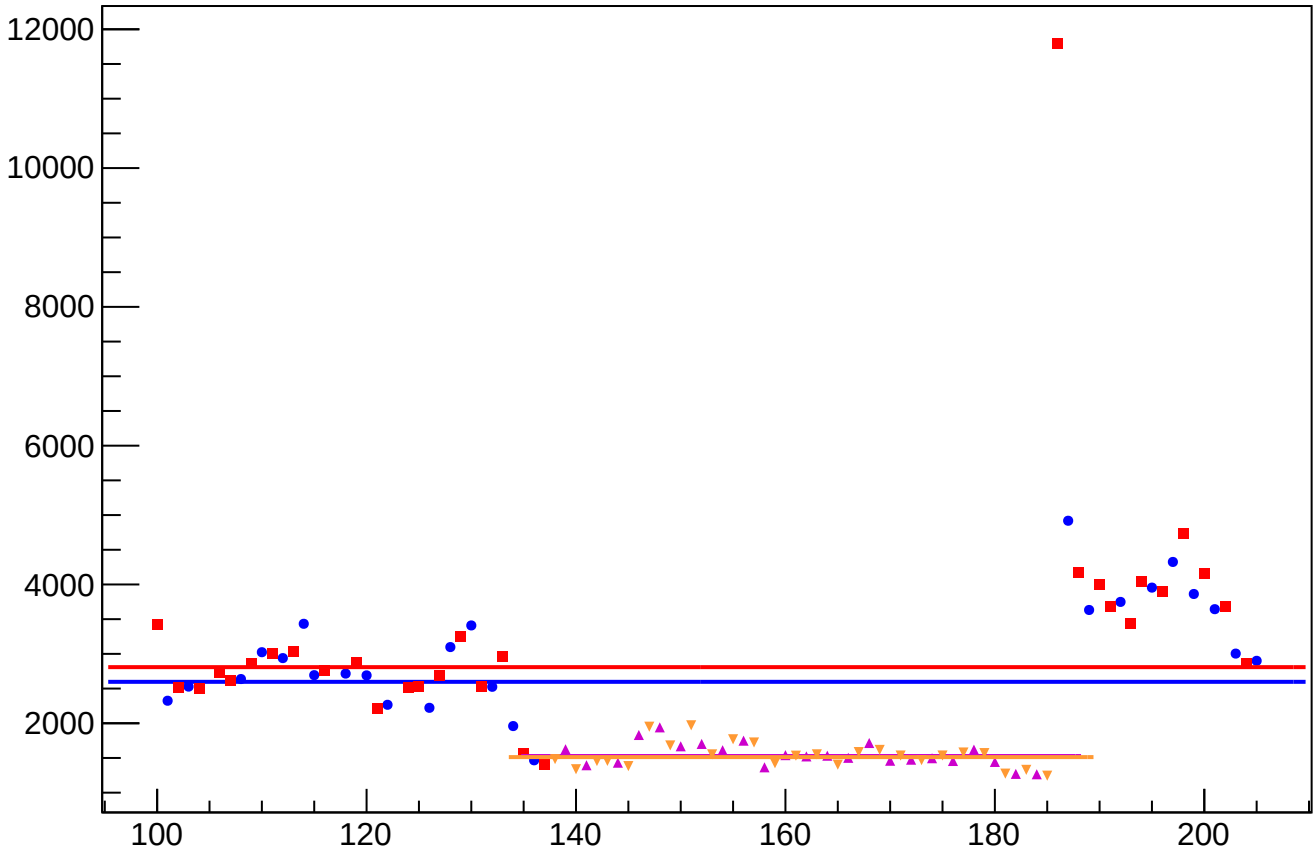
Left: -392.433+/-249.357 χ^2/NDF: 74.6/47

Right: -479.155+/-523.382 χ^2/NDF: 54.3/54

In: -362.861+/-322.102 χ^2/NDF:62.1/47

Out: -452.030+/-314.742 χ^2/NDF:66.7/54

All: -408.476+/-225.113 χ^2/NDF: 128.9/102



Right In: 2597.078+/-0.514 χ^2/NDF: 2510978.7/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2808.726+/-0.533 χ^2/NDF: 2889538.5/29

Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

Left: 1519.880+/-0.176 χ^2/NDF: 818358.6/47

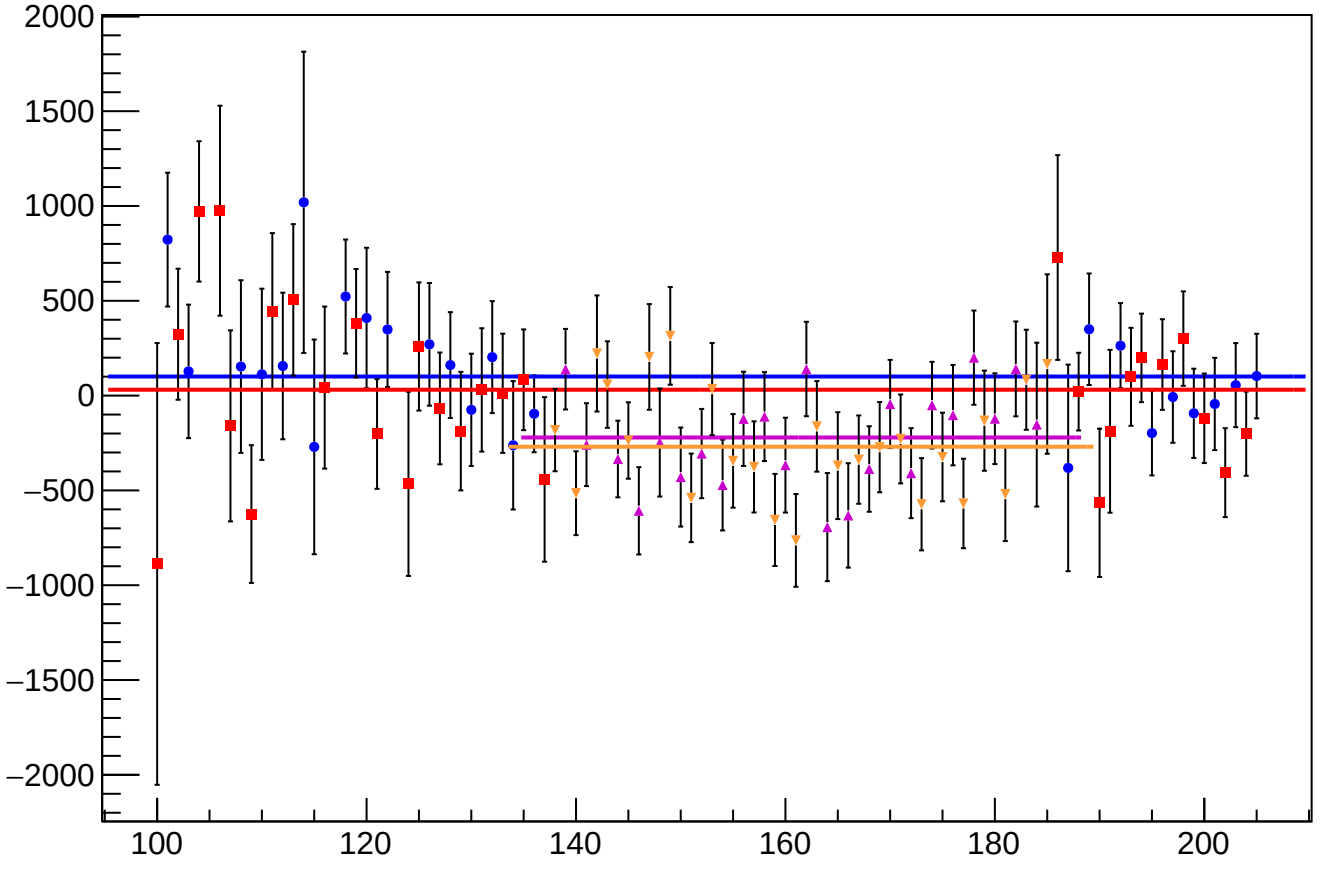
Right: 2699.097+/-0.370 χ^2/NDF: 5482175.4/54

In: 1737.706+/-0.228 χ^2/NDF:6359457.4/47

Out: 1738.342+/-0.223 χ^2/NDF:8215527.1/54

All: 1738.031+/-0.159 χ^2/NDF: 14574988.5/1

dit_asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 100.713+/-58.505 χ^2/NDF: 17.3/24

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: 30.937+/-56.858 χ^2/NDF: 33.3/29

Left In: -220.926+/-50.956 χ^2/NDF:23.4/22

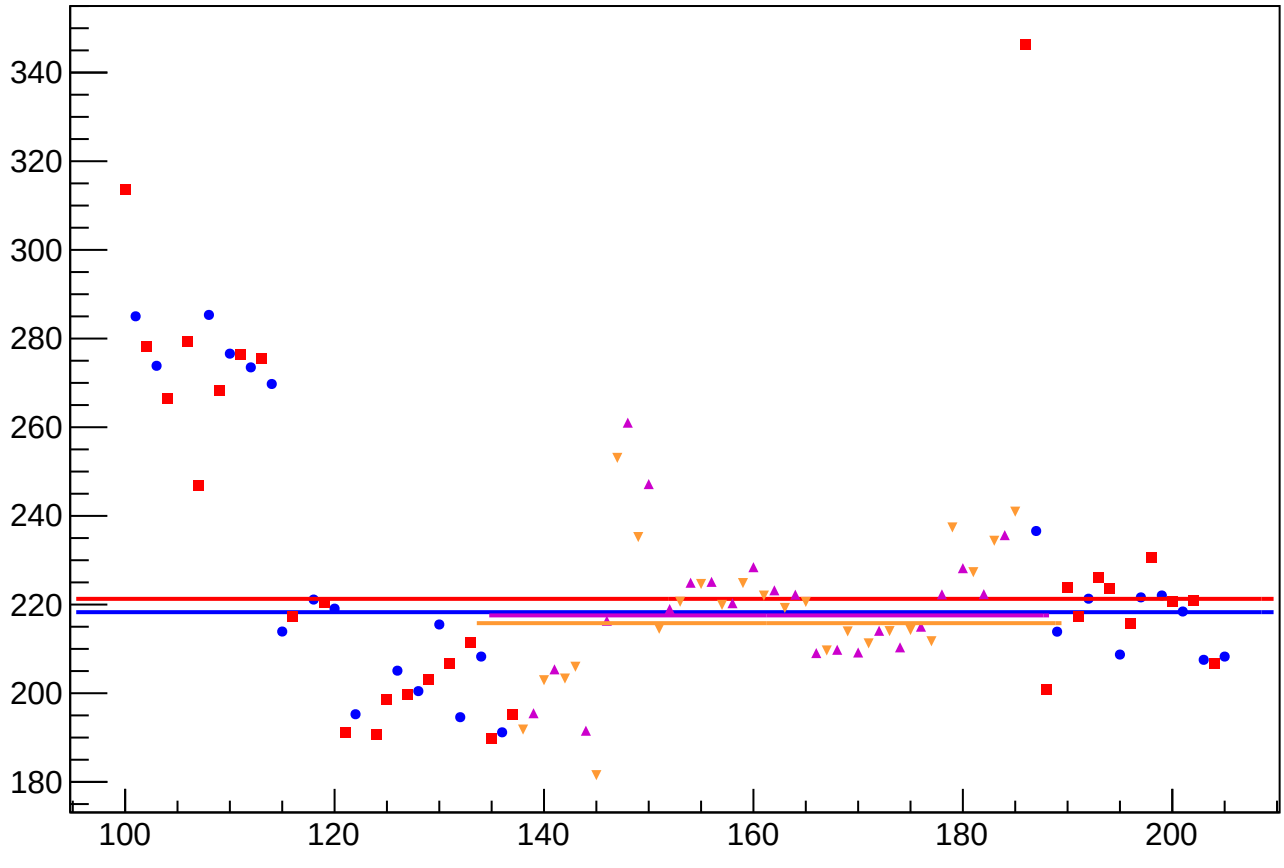
Left: -246.177+/-35.378 χ^2/NDF: 55.3/47

Right: 64.829+/-40.774 χ^2/NDF: 51.3/54

In: -82.184+/-38.425 χ^2/NDF:57.9/47

Out: -141.091+/-37.186 χ^2/NDF:80.8/54

All: -112.602+/-26.722 χ^2/NDF: 139.8/102



Right In: 218.284+/-0.041 χ^2/NDF: 337433.2/24

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 221.289+/-0.040 χ^2/NDF: 468510.5/29

Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

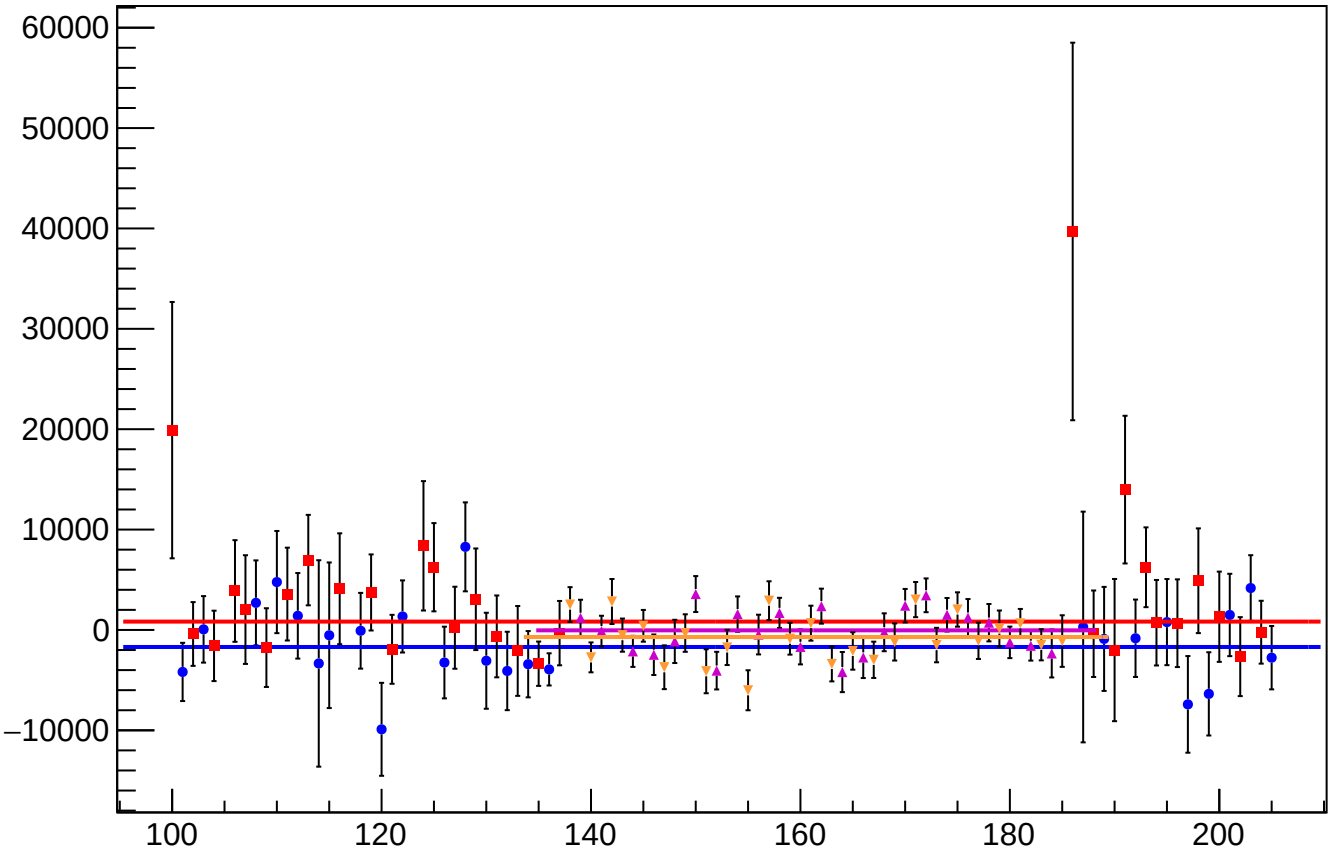
Left: 216.649+/-0.025 χ^2/NDF: 350985.0/47

Right: 219.829+/-0.029 χ^2/NDF: 808655.9/54

In: 217.869+/-0.027 χ^2/NDF:498676.5/47

Out: 218.151+/-0.026 χ^2/NDF:667848.8/54

All: 218.015+/-0.019 χ^2/NDF: 1166580.9/102



Right In: -1697.510+/-740.771 χ^2/NDF: 23.3/24

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 831.509+/-763.883 χ^2/NDF: 26.0/29

Left In: -39.658+/-368.873 χ^2/NDF:34.3/22

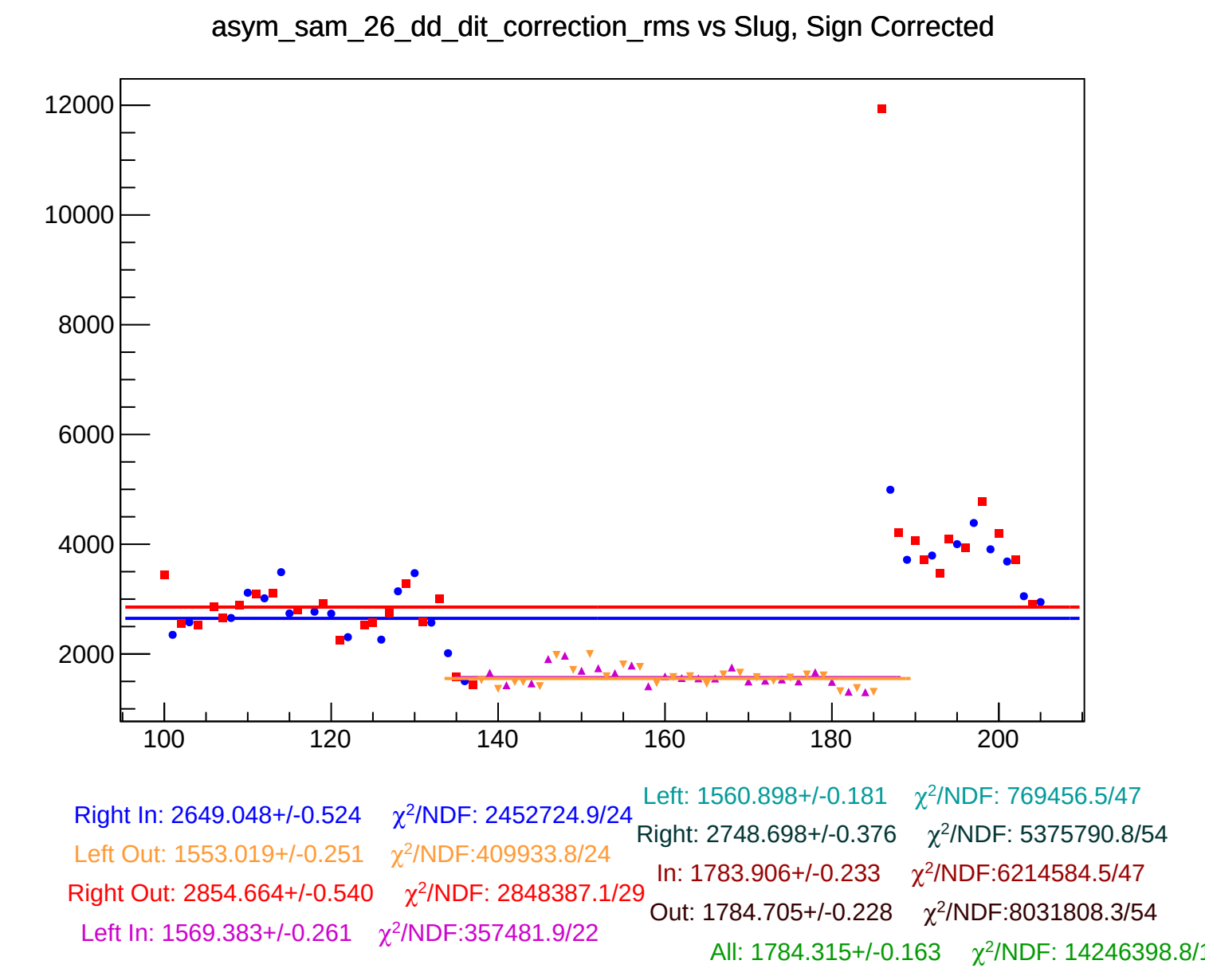
Left: -384.132+/-255.960 χ^2/NDF: 73.6/47

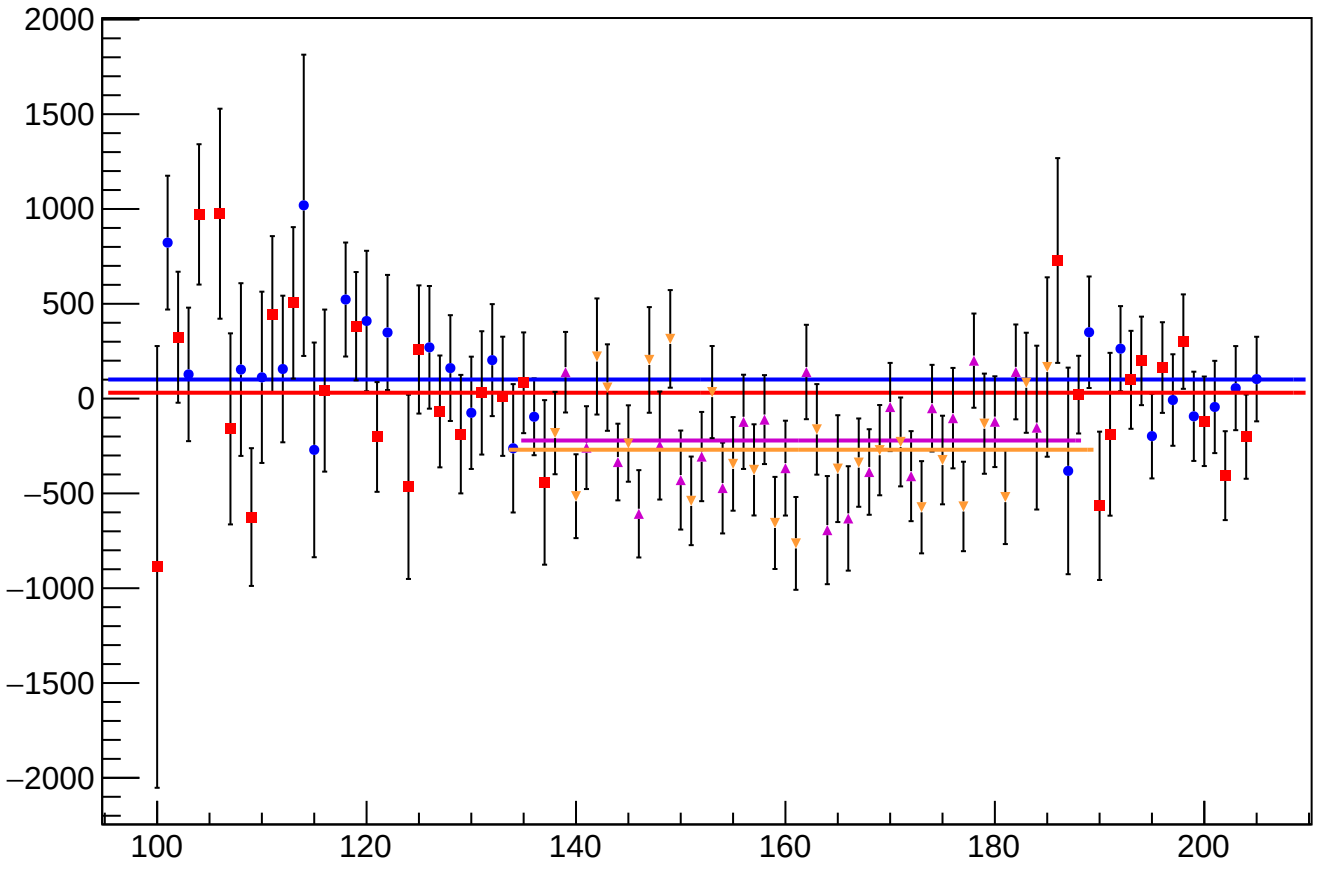
Right: -471.837+/-531.787 χ^2/NDF: 54.9/54

In: -369.063+/-330.200 χ^2/NDF:61.7/47

Out: -430.698+/-322.278 χ^2/NDF:66.9/54

All: -400.629+/-230.635 χ^2/NDF: 128.6/102


asym_sam_26_dd_dit_correction_rms vs Slug, Sign Corrected
12000
10000
8000
6000
4000
2000
100
120
140
160
180
200
Right In: 2649.048+/-0.524 χ²/NDF: 2452724.9/24
Left Out: 1553.019+/-0.251 χ²/NDF:409933.8/24
Right Out: 2854.664+/-0.540 χ²/NDF: 2848387.1/29
Left In: 1569.383+/-0.261 χ²/NDF:357481.9/22
Left: 1560.898+/-0.181 χ²/NDF: 769456.5/47
Right: 2748.698+/-0.376 χ²/NDF: 5375790.8/54
In: 1783.906+/-0.233 χ²/NDF:6214584.5/47
Out: 1784.705+/-0.228 χ²/NDF:8031808.3/54
All: 1784.315+/-0.163 χ²/NDF: 14246398.8/1



Right In: 100.716+/-58.504 χ^2/NDF: 17.3/24

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: 30.938+/-56.858 χ^2/NDF: 33.3/29

Left In: -220.927+/-50.956 χ^2/NDF:23.4/22

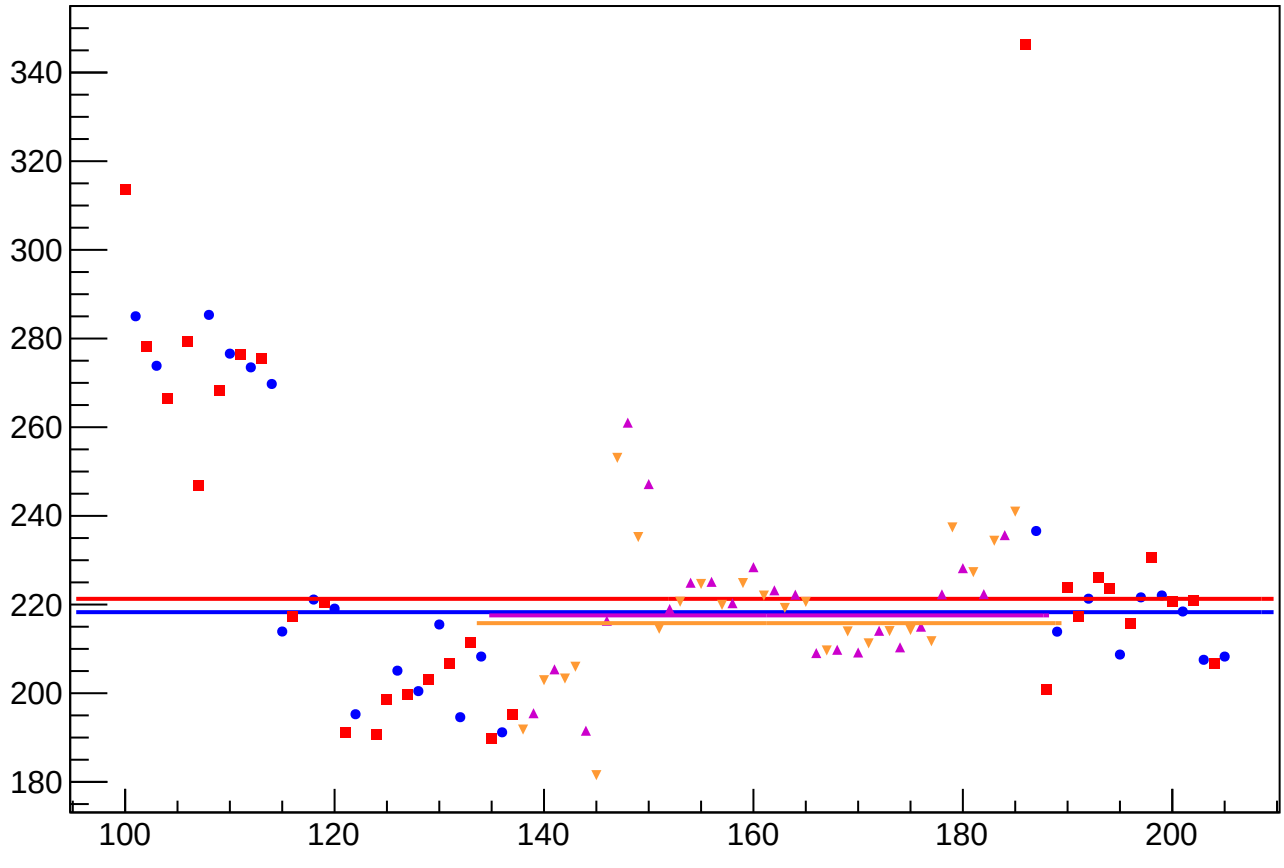
Left: -246.179+/-35.378 χ^2/NDF: 55.3/47

Right: 64.831+/-40.774 χ^2/NDF: 51.3/54

In: -82.183+/-38.425 χ^2/NDF:57.9/47

Out: -141.091+/-37.186 χ^2/NDF:80.8/54

All: -112.602+/-26.722 χ^2/NDF: 139.8/102



Right In: 218.284+/-0.041 χ^2/NDF: 337424.2/24

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

Right Out: 221.288+/-0.040 χ^2/NDF: 468493.7/29

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

Left: 216.649+/-0.025 χ^2/NDF: 350991.6/47

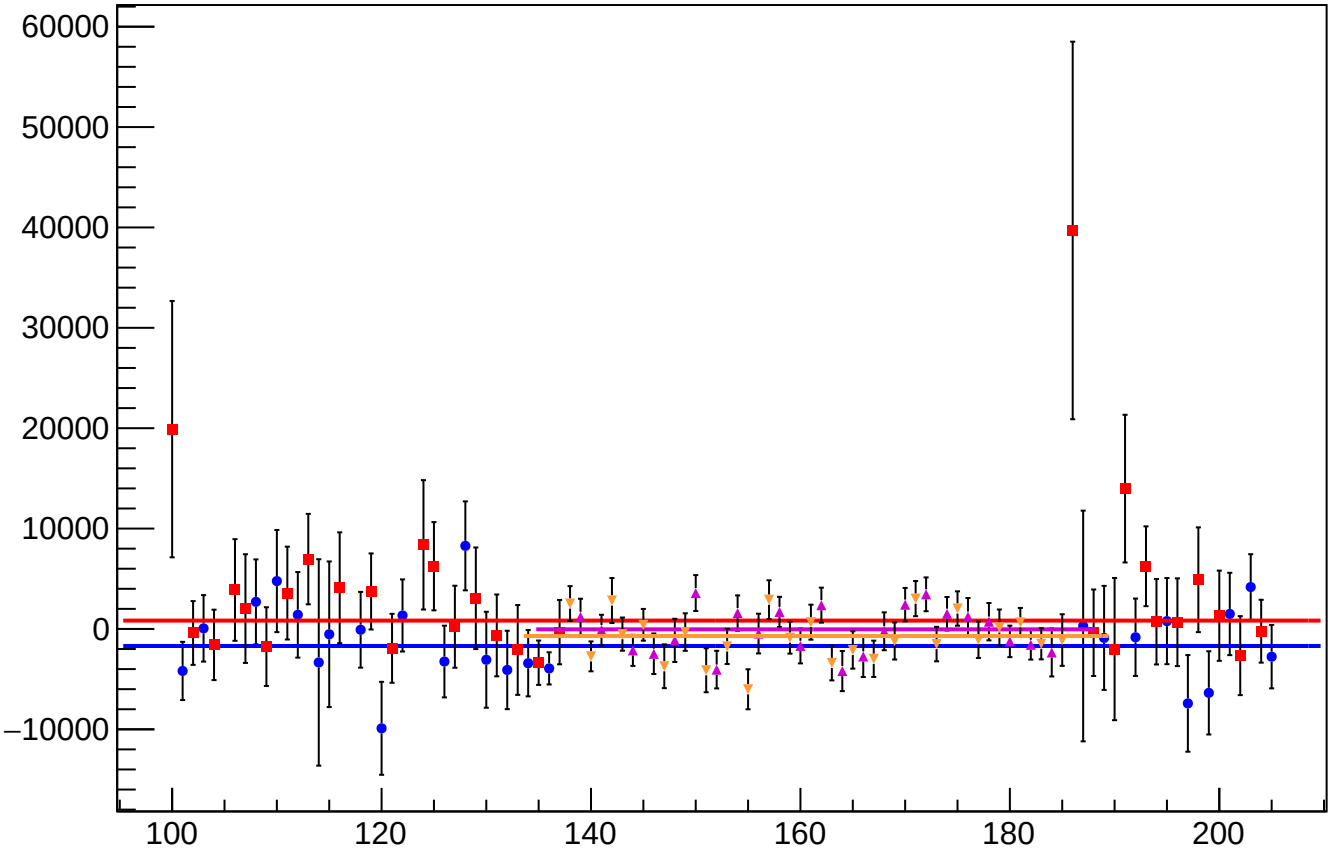
Right: 219.829+/-0.029 χ^2/NDF: 808630.4/54

In: 217.869+/-0.027 χ^2/NDF:498669.9/47

Out: 218.151+/-0.026 χ^2/NDF:667835.0/54

All: 218.015+/-0.019 χ^2/NDF: 1166560.6/102

asym_sam_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -1697.508+/-740.771 χ^2/NDF: 23.3/24

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: 831.510+/-763.882 χ^2/NDF: 26.0/29

Left In: -39.657+/-368.873 χ^2/NDF:34.3/22

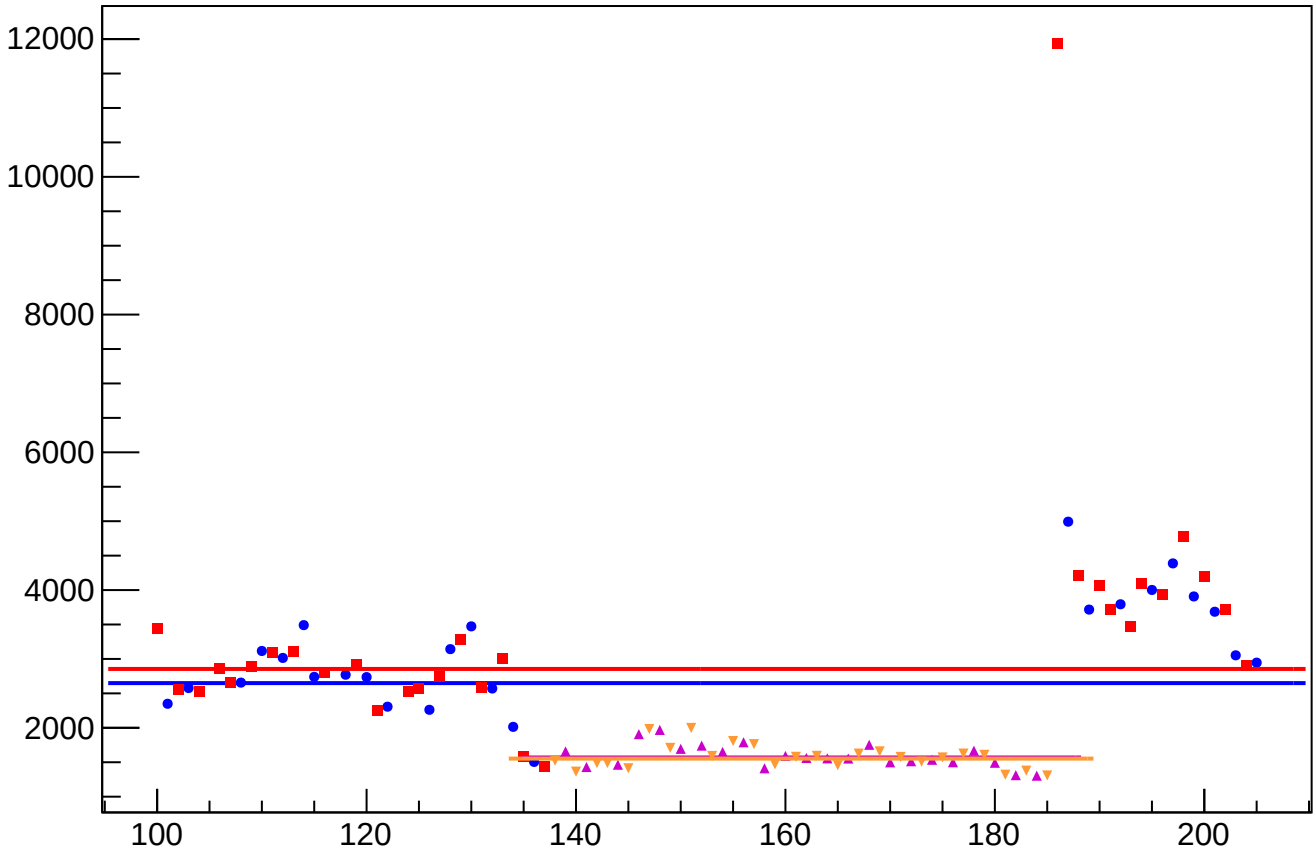
Left: -384.131+/-255.960 χ^2/NDF: 73.6/47

Right: -471.835+/-531.787 χ^2/NDF: 54.9/54

In: -369.062+/-330.200 χ^2/NDF:61.7/47

Out: -430.697+/-322.278 χ^2/NDF:66.9/54

All: -400.628+/-230.635 χ^2/NDF: 128.6/102



Right In: 2649.045+/-0.524 χ^2/NDF: 2452721.7/24

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2854.661+/-0.540 χ^2/NDF: 2848389.7/29

Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

Left: 1560.899+/-0.181 χ^2/NDF: 769461.9/47

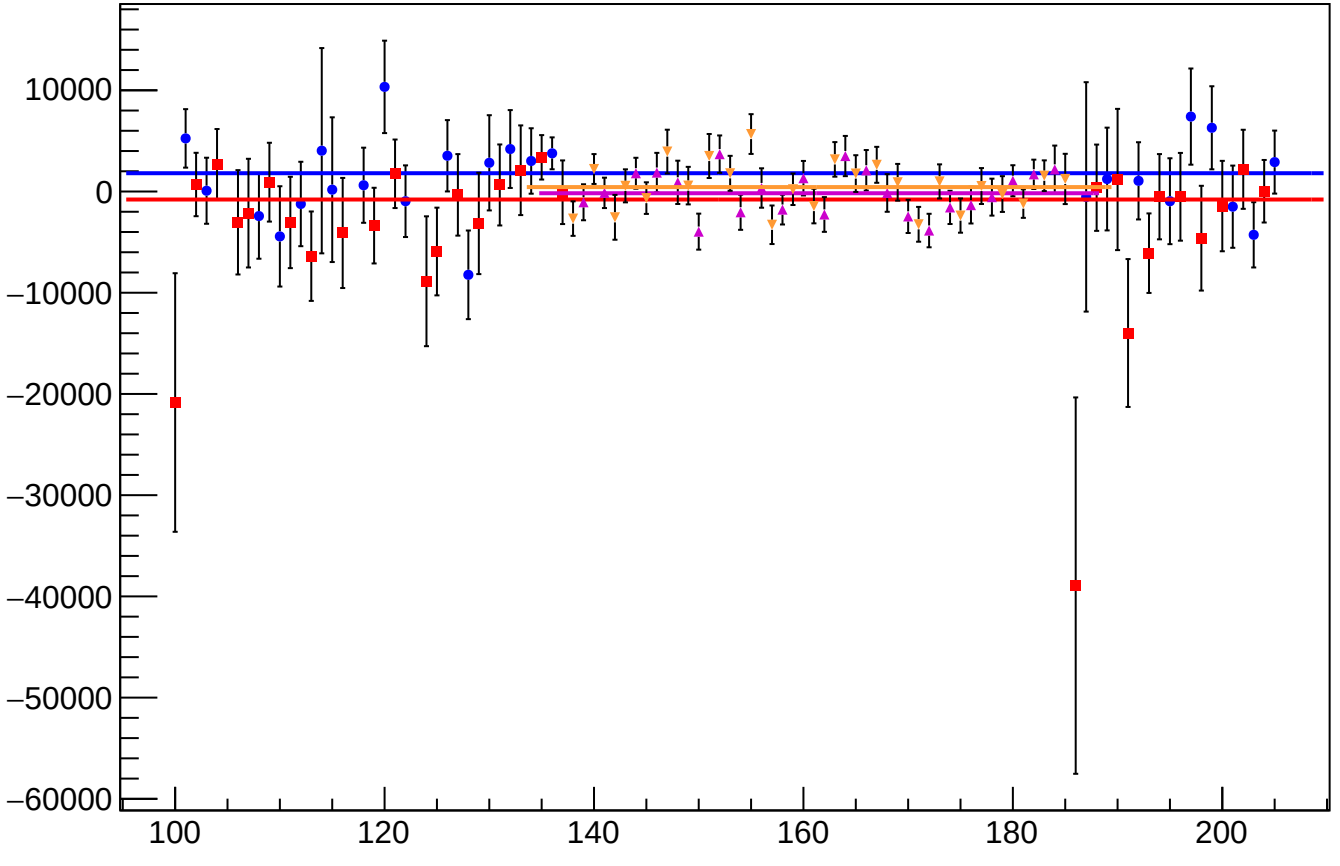
Right: 2748.696+/-0.376 χ^2/NDF: 5375789.8/54

In: 1783.906+/-0.233 χ^2/NDF:6214573.8/47

Out: 1784.705+/-0.228 χ^2/NDF:8031795.5/54

All: 1784.315+/-0.163 χ^2/NDF: 14246375.3/1

asym_sam_26_dd_mean vs Slug, Sign Corrected



Right In: 1808.055+/-730.013 χ^2/NDF: 24.2/24

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: -790.504+/-755.511 χ^2/NDF: 25.5/29

Left In: -169.827+/-362.550 χ^2/NDF:33.0/22

Left: 144.904+/-251.651 χ^2/NDF: 73.3/47

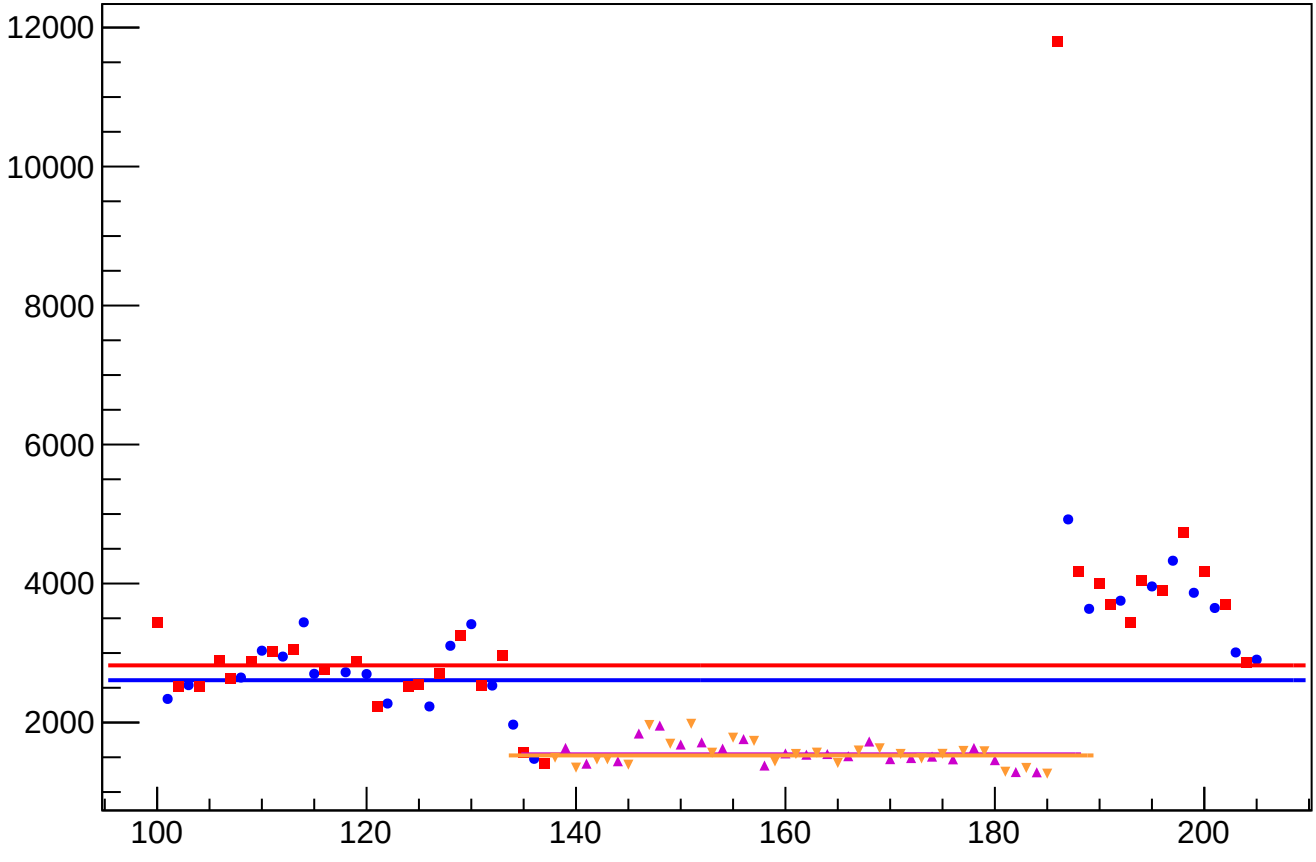
Right: 553.366+/-524.980 χ^2/NDF: 55.8/54

In: 221.493+/-324.710 χ^2/NDF:63.1/47

Out: 220.967+/-317.264 χ^2/NDF:66.5/54

All: 221.224+/-226.926 χ^2/NDF: 129.6/102

asym_sam_26_dd_rms vs Slug, Sign Corrected



Right In: 2609.012+/-0.516 χ^2/NDF: 2474726.5/24

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

Right Out: 2822.428+/-0.534 χ^2/NDF: 2858256.2/29

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

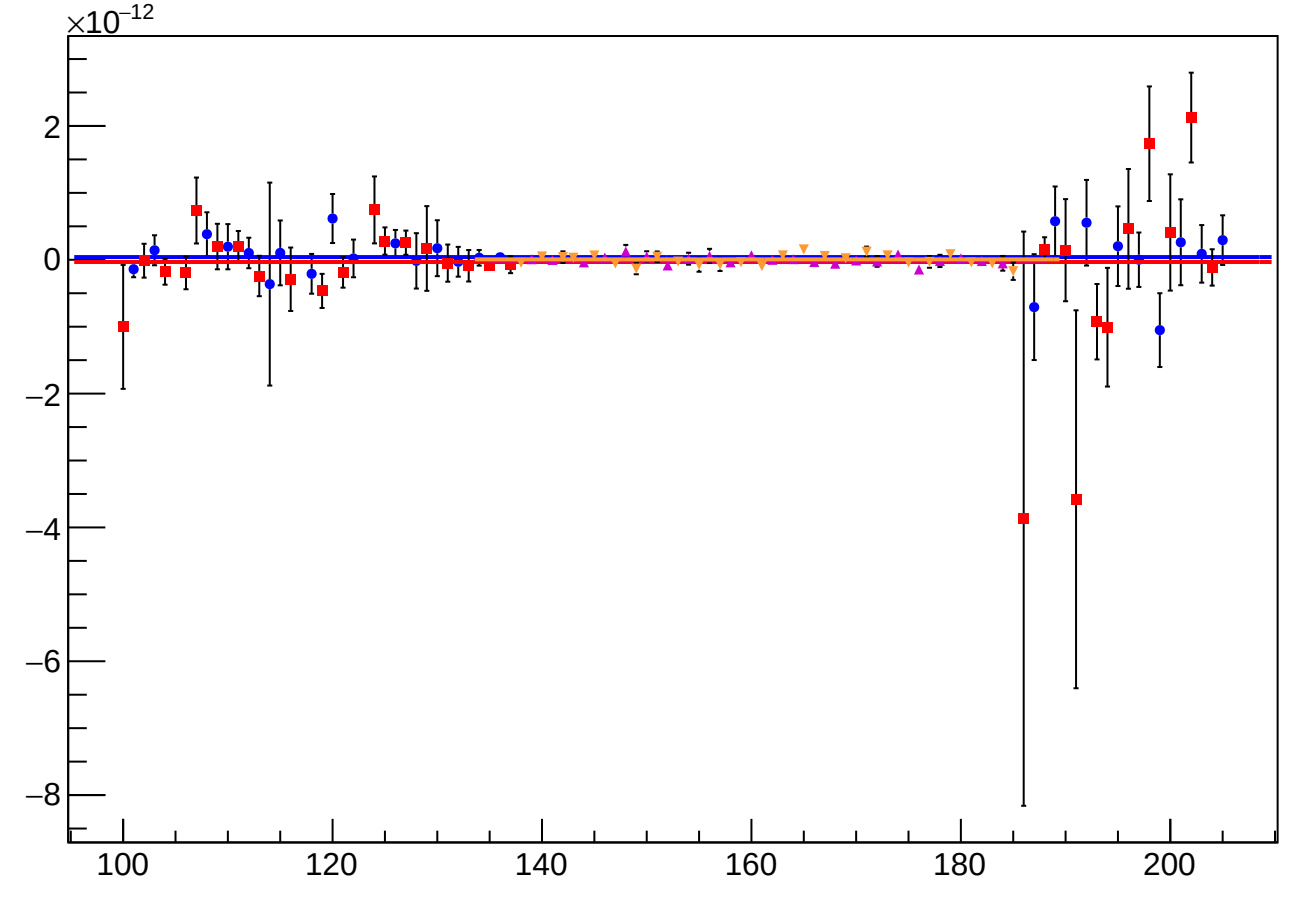
Left: 1534.211+/-0.178 χ^2/NDF: 793661.4/47

Right: 2712.058+/-0.371 χ^2/NDF: 5415515.1/54

In: 1753.317+/-0.230 χ^2/NDF:6262731.2/47

Out: 1755.215+/-0.224 χ^2/NDF:8132839.1/54

All: 1754.288+/-0.160 χ^2/NDF: 14395605.3/1



Right In: 0.000+/-0.000 χ^2/NDF: 15.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 40.7/29

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

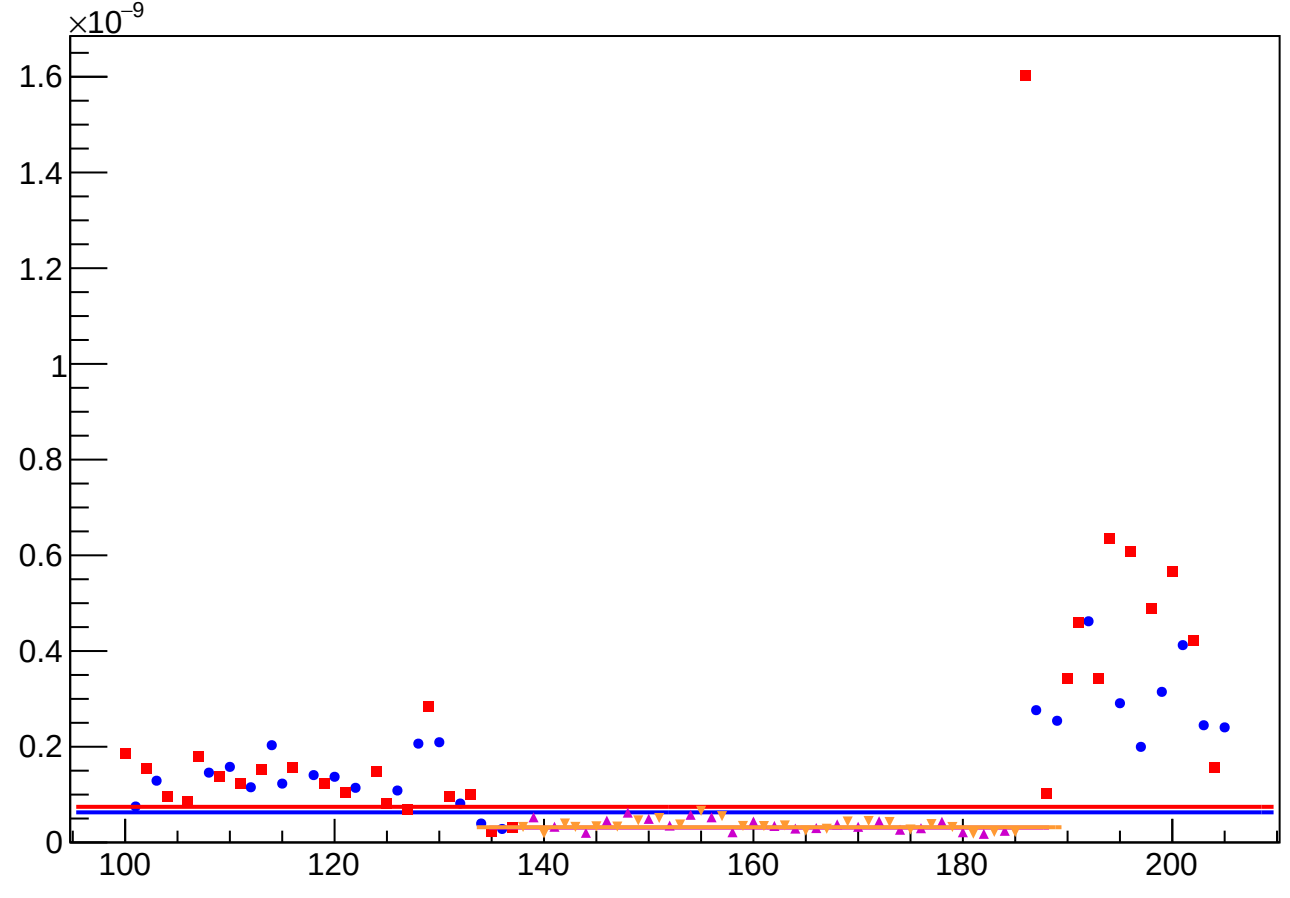
Left: -0.000+/-0.000 χ^2/NDF: 48.6/47

Right: 0.000+/-0.000 χ^2/NDF: 58.1/54

In: -0.000+/-0.000 χ^2/NDF:34.4/47

Out: 0.000+/-0.000 χ^2/NDF:72.3/54

All: -0.000+/-0.000 χ^2/NDF: 106.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 6266059.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6967034.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

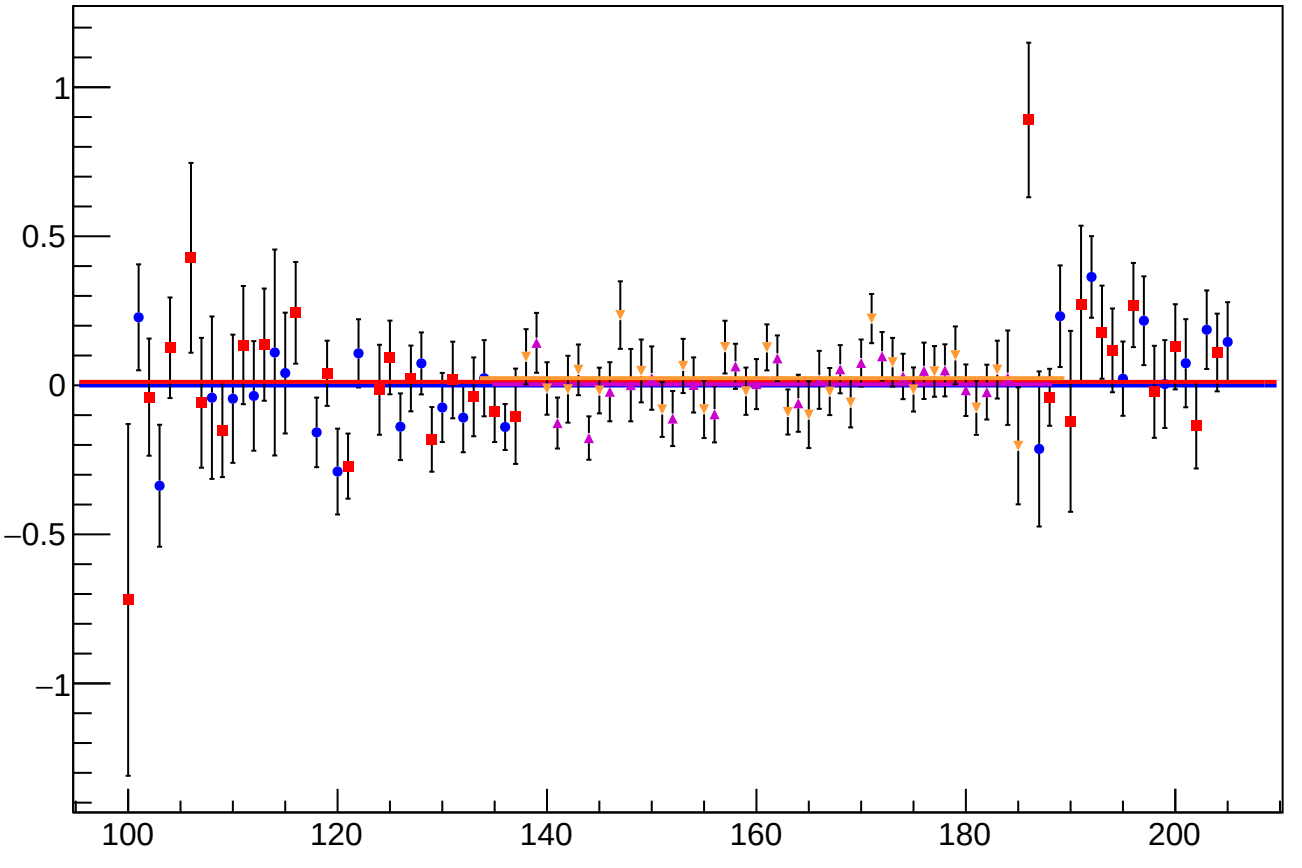
Left: 0.000+/-0.000 χ^2/NDF: 2829280.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13322667.9/54

In: 0.000+/-0.000 χ^2/NDF:9290762.0/47

Out: 0.000+/-0.000 χ^2/NDF:10157641.7/54

All: 0.000+/-0.000 χ^2/NDF: 19451405.0/102



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

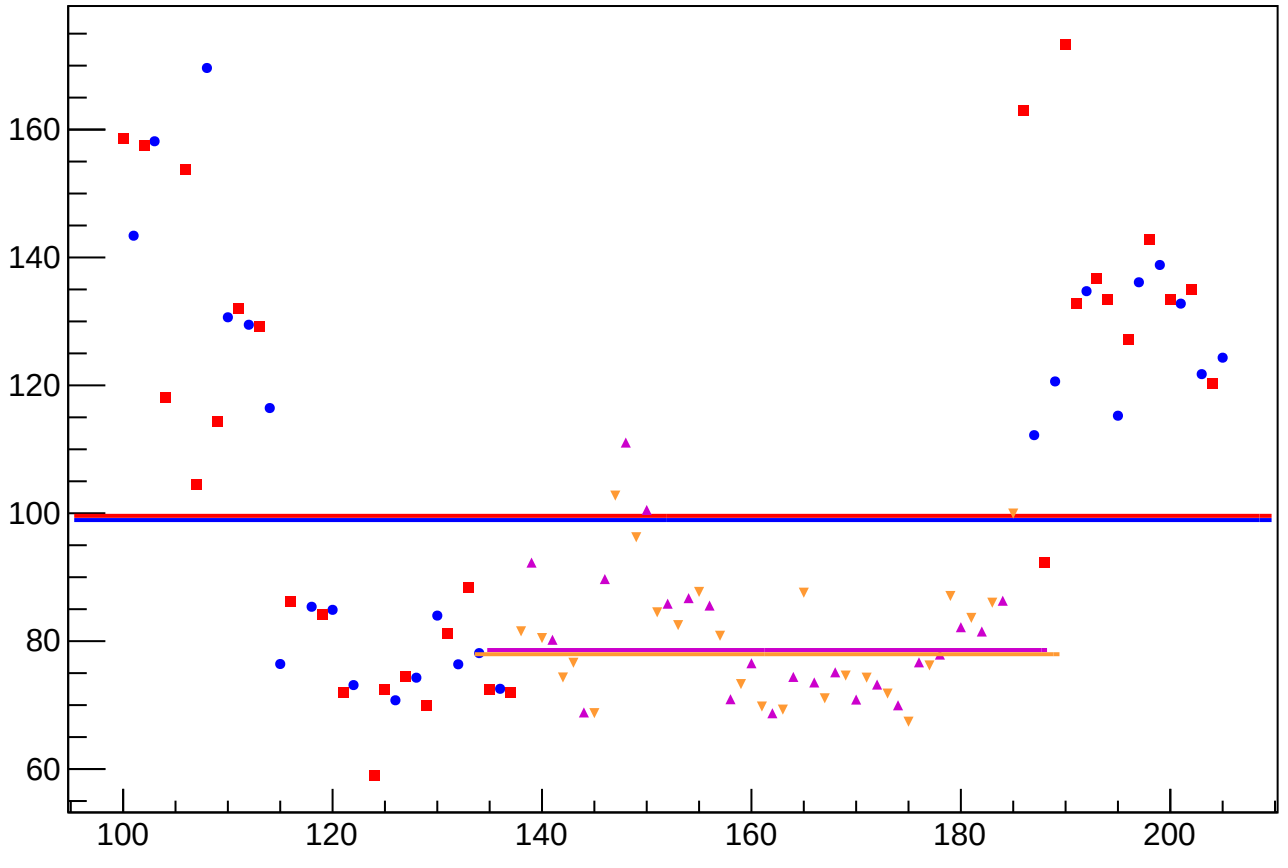
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: 0.006+/-0.019 χ^2/NDF: 73.2/54

In: 0.002+/-0.015 χ^2/NDF:52.0/47

Out: 0.020+/-0.015 χ^2/NDF:65.7/54

All: 0.012+/-0.011 χ^2/NDF: 118.4/102



Right In: 98.935+/-0.019 χ^2/NDF: 2056523.8/24

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 99.599+/-0.019 χ^2/NDF: 2354767.7/29

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

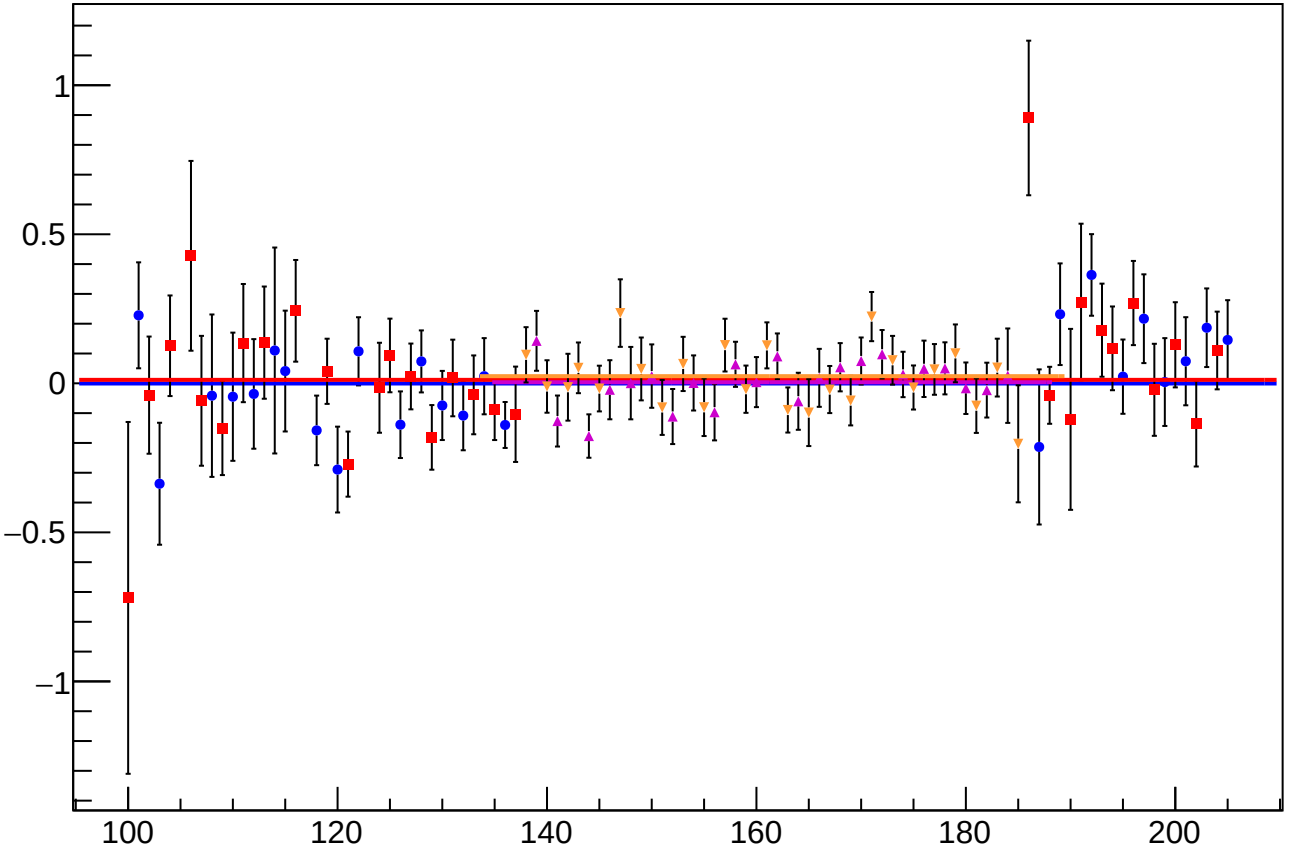
Right: 99.278+/-0.014 χ^2/NDF: 4411891.8/54

In: 84.966+/-0.011 χ^2/NDF:3303161.6/47

Out: 84.669+/-0.010 χ^2/NDF:3705627.9/54

All: 84.812+/-0.008 χ^2/NDF: 7009174.1/102

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

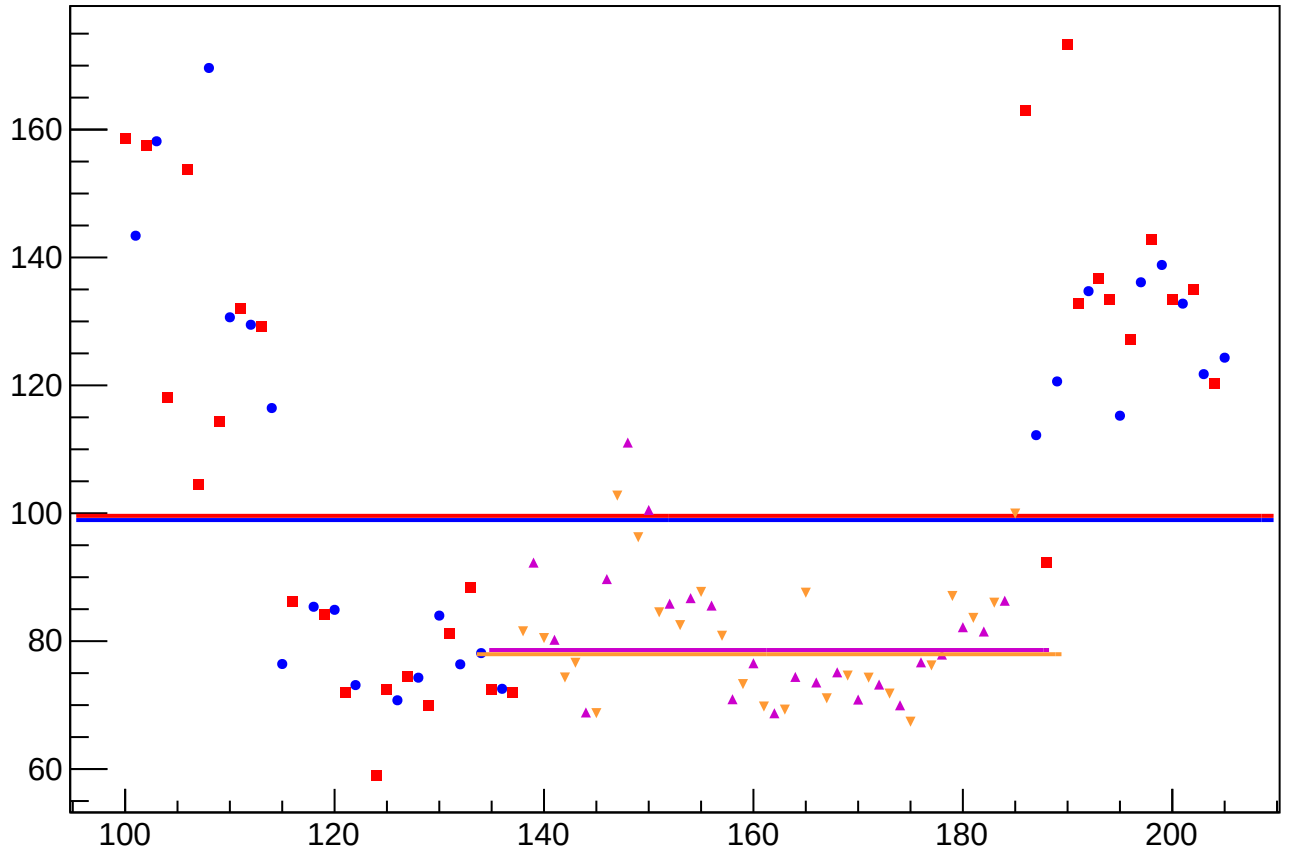
Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

Right: 0.006+/-0.019 χ^2/NDF: 73.2/54

In: 0.002+/-0.015 χ^2/NDF:52.0/47

Out: 0.020+/-0.015 χ^2/NDF:65.7/54

All: 0.012+/-0.011 χ^2/NDF: 118.4/102



Right In: 98.935+/-0.019 χ^2/NDF: 2056523.8/24

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 99.599+/-0.019 χ^2/NDF: 2354767.7/29

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

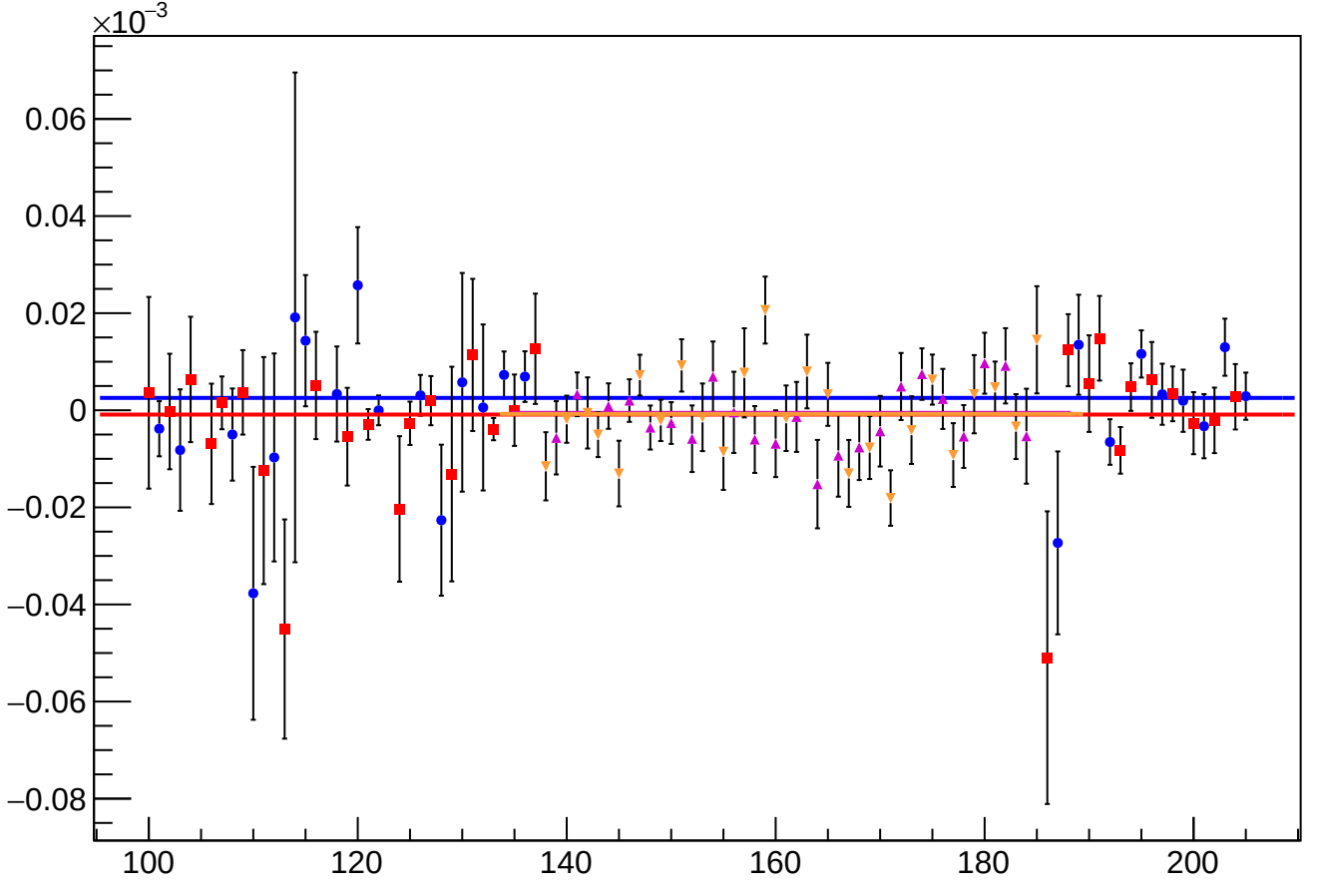
Left: 78.273+/-0.009 χ^2/NDF: 938817.0/47

Right: 99.278+/-0.014 χ^2/NDF: 4411891.8/54

In: 84.966+/-0.011 χ^2/NDF:3303161.6/47

Out: 84.669+/-0.010 χ^2/NDF:3705627.9/54

All: 84.812+/-0.008 χ^2/NDF: 7009174.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

Left: -0.000+/-0.000 χ^2/NDF: 66.2/47

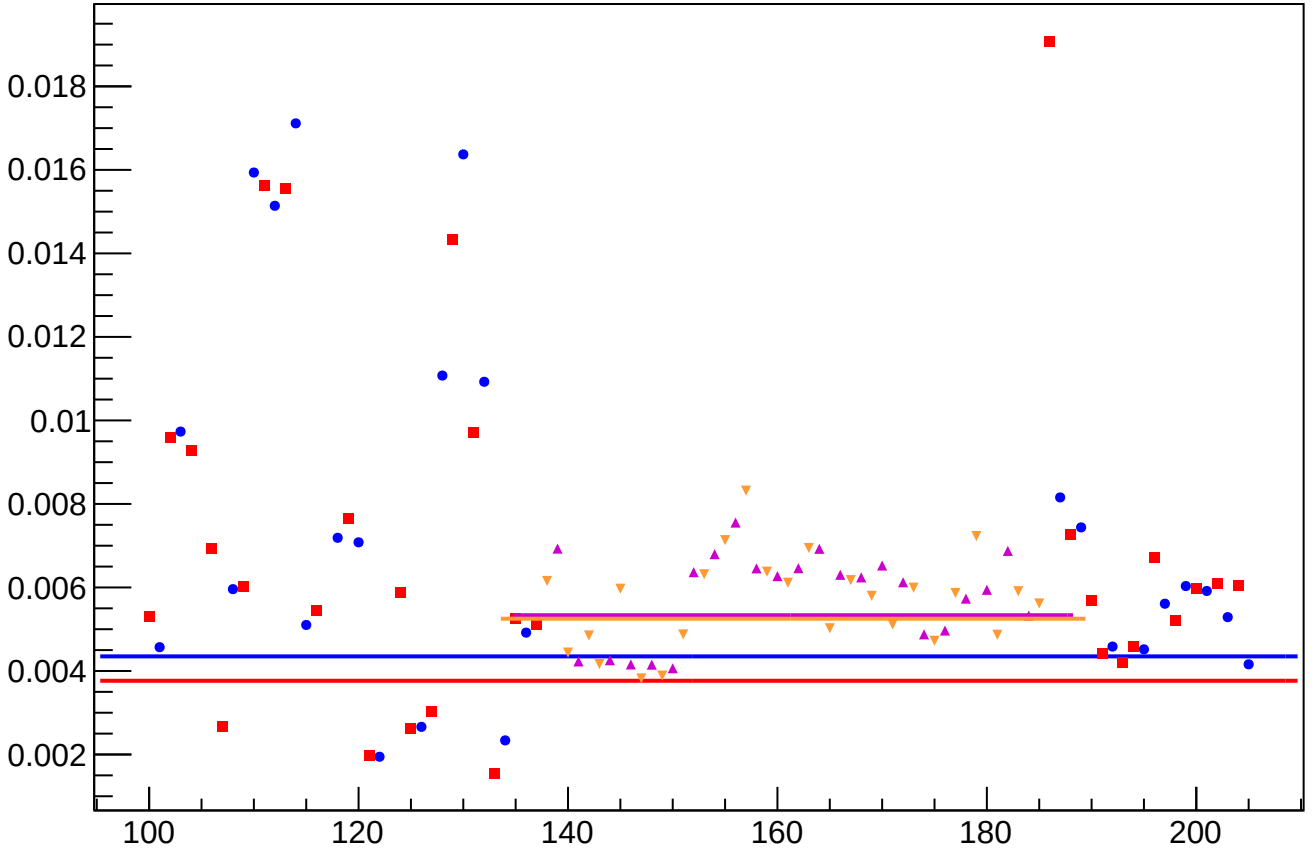
Right: 0.000+/-0.000 χ^2/NDF: 61.1/54

In: 0.000+/-0.000 χ^2/NDF:51.3/47

Out: -0.000+/-0.000 χ^2/NDF:75.0/54

All: -0.000+/-0.000 χ^2/NDF: 128.3/102

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.004+/-0.000 χ^2/NDF: 5558528.8/24

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8447287.9/29

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

Left: 0.005+/-0.000 χ^2/NDF: 3024442.1/47

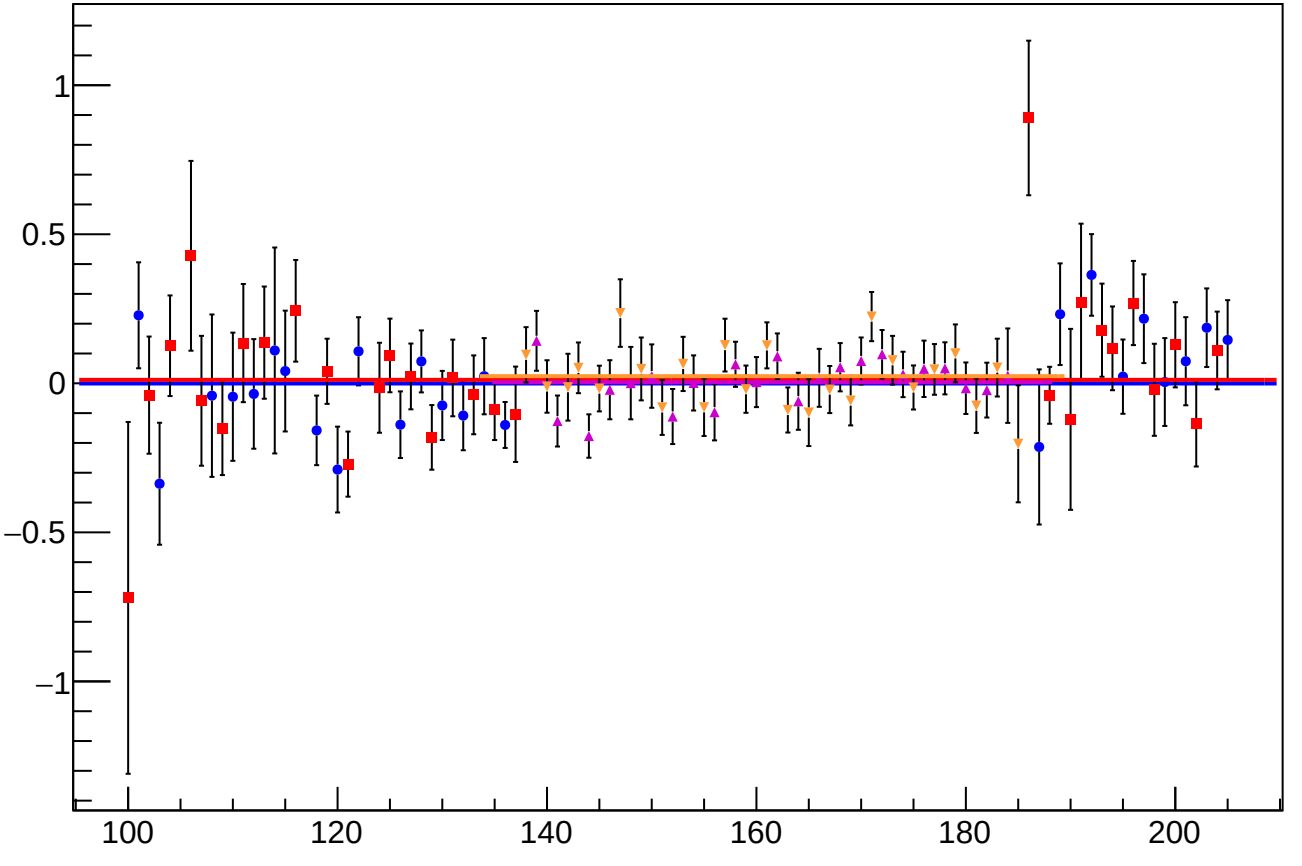
Right: 0.004+/-0.000 χ^2/NDF: 14227262.1/54

In: 0.005+/-0.000 χ^2/NDF:7639215.0/47

Out: 0.004+/-0.000 χ^2/NDF:11521466.7/54

All: 0.005+/-0.000 χ^2/NDF: 19360447.8/102

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

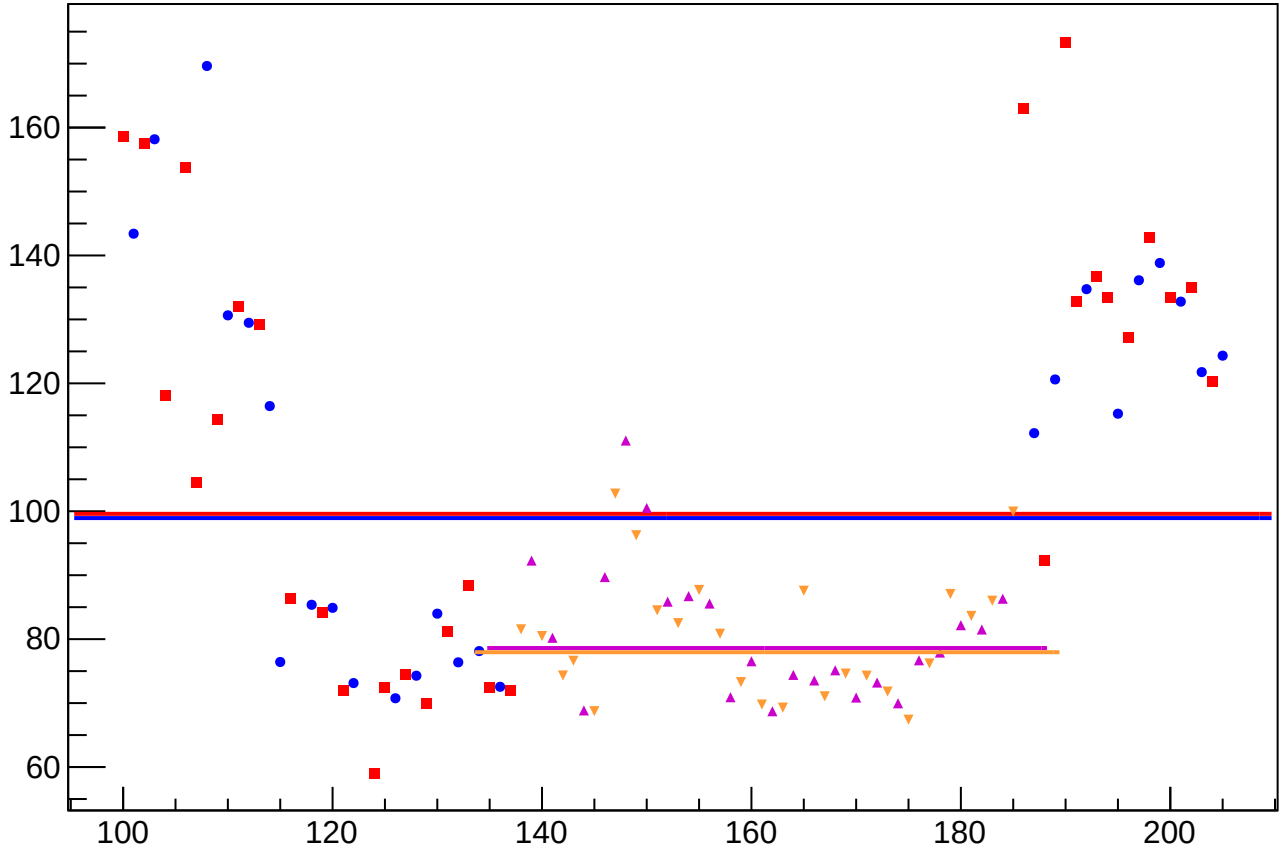
Right: 0.006+/-0.019 χ^2/NDF: 73.2/54

In: 0.002+/-0.015 χ^2/NDF:52.0/47

Out: 0.020+/-0.015 χ^2/NDF:65.7/54

All: 0.012+/-0.011 χ^2/NDF: 118.4/102

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.933+/-0.019 χ^2/NDF: 2056639.6/24

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 99.597+/-0.019 χ^2/NDF: 2354862.9/29

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

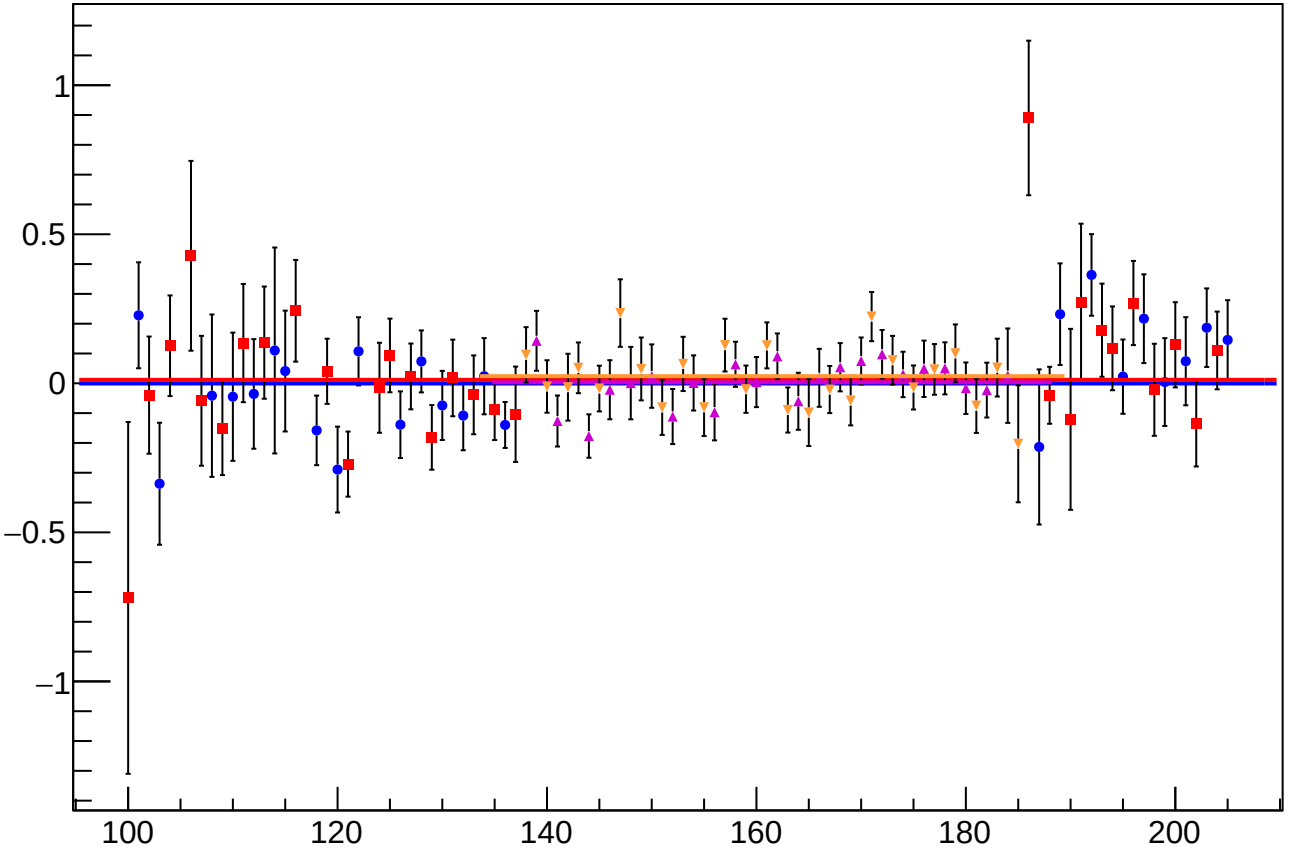
Right: 99.276+/-0.014 χ^2/NDF: 4412103.2/54

In: 84.965+/-0.011 χ^2/NDF:3303228.3/47

Out: 84.668+/-0.010 χ^2/NDF:3705661.7/54

All: 84.811+/-0.008 χ^2/NDF: 7009273.7/102

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.012+/-0.027 χ^2/NDF: 40.0/29

Left In: 0.004+/-0.019 χ^2/NDF:18.9/22

Left: 0.014+/-0.013 χ^2/NDF: 45.0/47

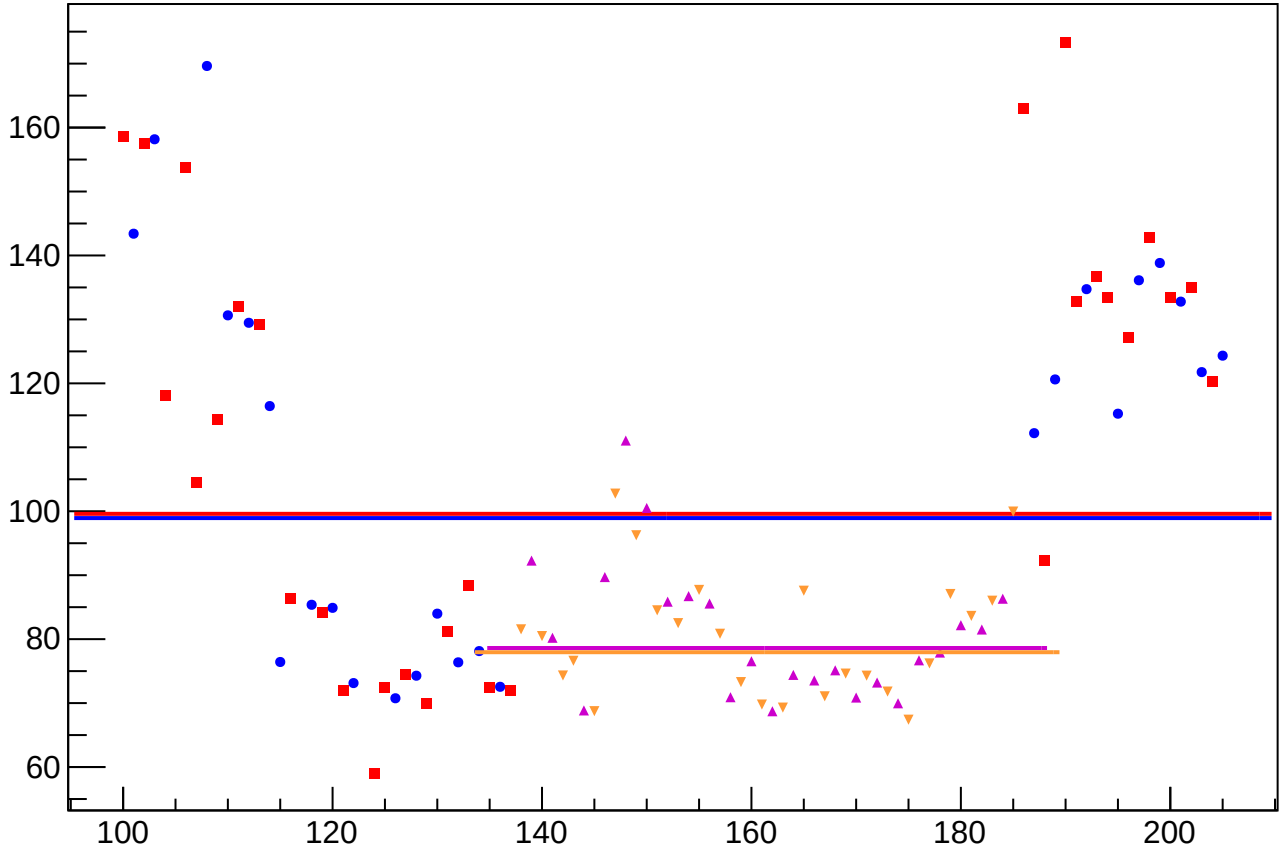
Right: 0.006+/-0.019 χ^2/NDF: 73.2/54

In: 0.002+/-0.015 χ^2/NDF:52.0/47

Out: 0.020+/-0.015 χ^2/NDF:65.7/54

All: 0.012+/-0.011 χ^2/NDF: 118.4/102

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 98.933+/-0.019 χ^2/NDF: 2056639.6/24

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

Right Out: 99.597+/-0.019 χ^2/NDF: 2354862.9/29

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

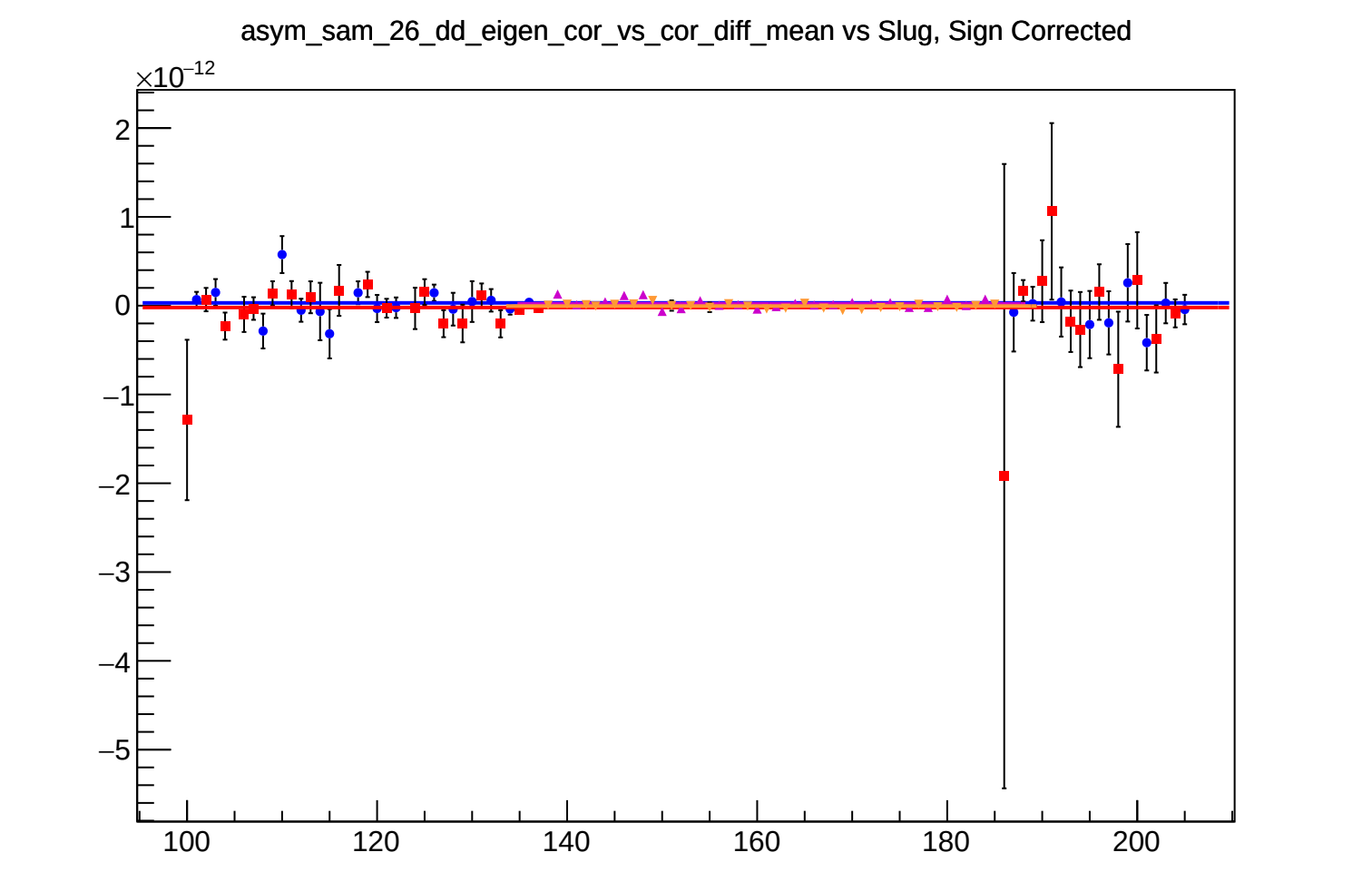
Left: 78.273+/-0.009 χ^2/NDF: 938894.7/47

Right: 99.276+/-0.014 χ^2/NDF: 4412103.2/54

In: 84.965+/-0.011 χ^2/NDF:3303228.3/47

Out: 84.668+/-0.010 χ^2/NDF:3705661.7/54

All: 84.811+/-0.008 χ^2/NDF: 7009273.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 19.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.6/29

Left In: 0.000+/-0.000 χ^2/NDF:40.1/22

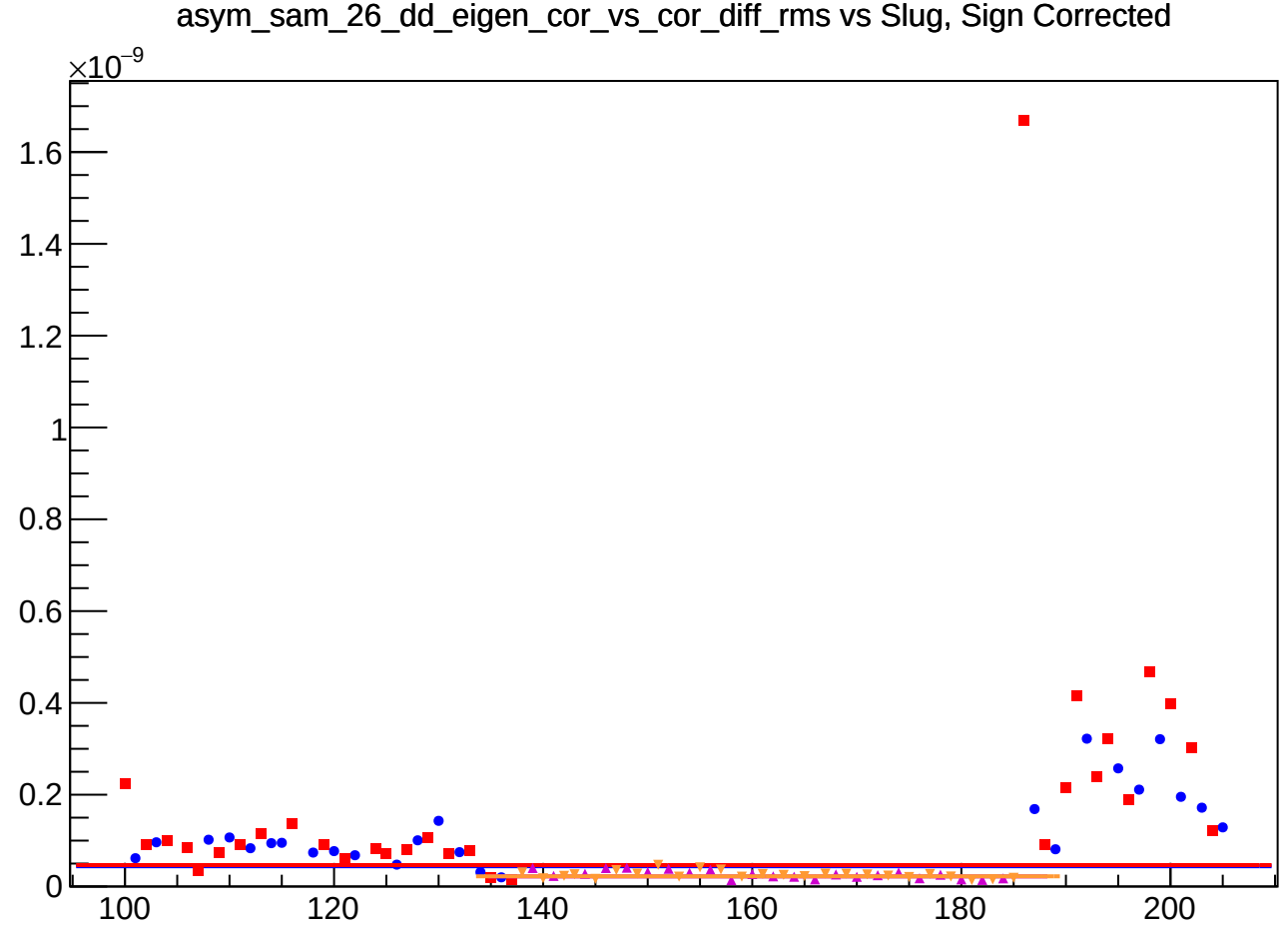
Left: 0.000+/-0.000 χ^2/NDF: 61.2/47

Right: 0.000+/-0.000 χ^2/NDF: 48.6/54

In: 0.000+/-0.000 χ^2/NDF:60.1/47

Out: -0.000+/-0.000 χ^2/NDF:39.2/54

All: 0.000+/-0.000 χ^2/NDF: 109.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 8392149.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10580433.9/29

Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

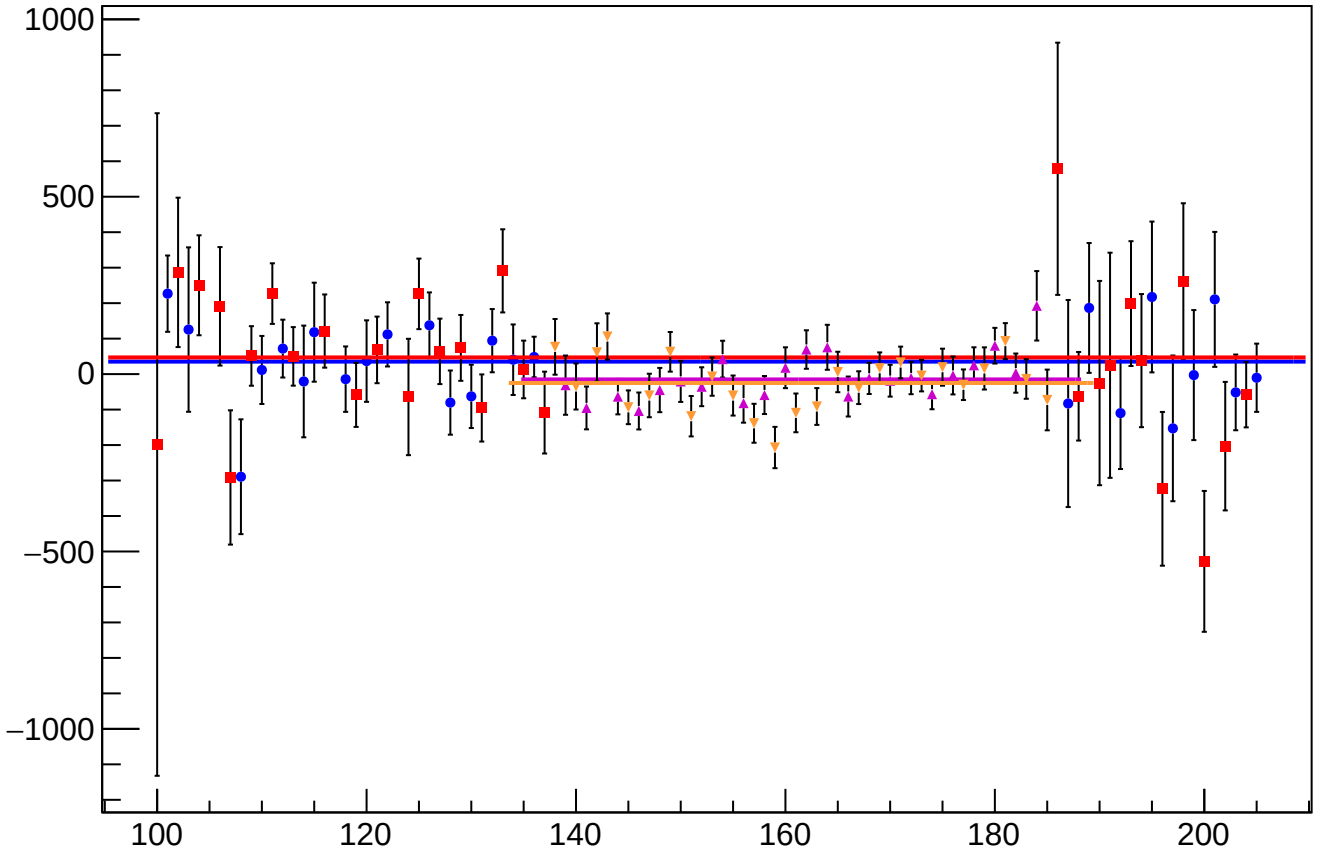
Left: 0.000+/-0.000 χ^2/NDF: 5106315.5/47

Right: 0.000+/-0.000 χ^2/NDF: 18987266.4/54

In: 0.000+/-0.000 χ^2/NDF:13400551.5/47

Out: 0.000+/-0.000 χ^2/NDF:15294232.5/54

All: 0.000+/-0.000 χ^2/NDF: 28694914.4/102



Right In: 35.211+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: 47.017+/-22.097 χ^2/NDF: 45.5/29

Left In: -14.994+/-11.218 χ^2/NDF:24.7/22

Left: -20.140+/-7.813 χ^2/NDF: 68.2/47

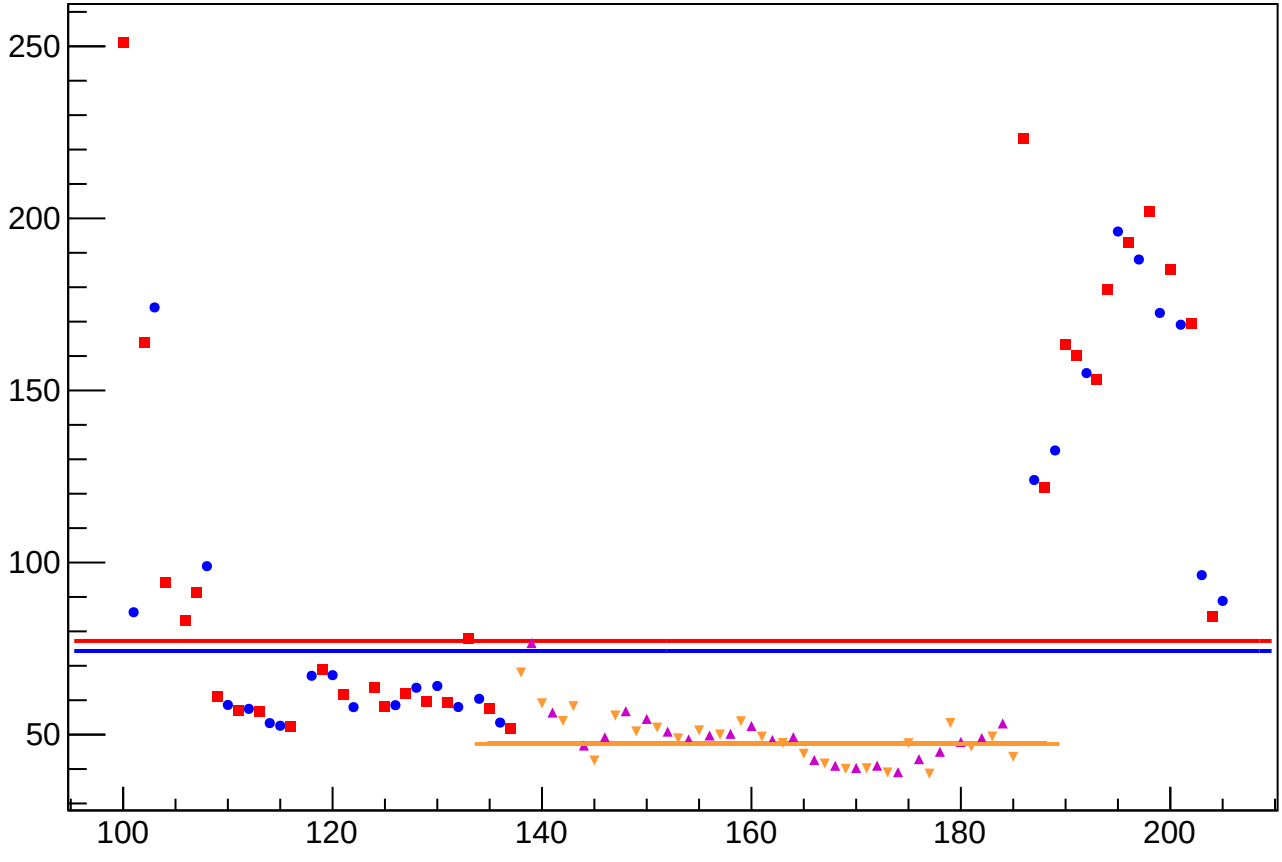
Right: 41.058+/-15.550 χ^2/NDF: 64.3/54

In: -4.549+/-9.983 χ^2/NDF:47.6/47

Out: -10.922+/-9.766 χ^2/NDF:97.1/54

All: -7.805+/-6.981 χ^2/NDF: 144.9/102

reg_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 74.298+/-0.015 χ^2/NDF: 4487497.8/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 77.218+/-0.016 χ^2/NDF: 5658208.0/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

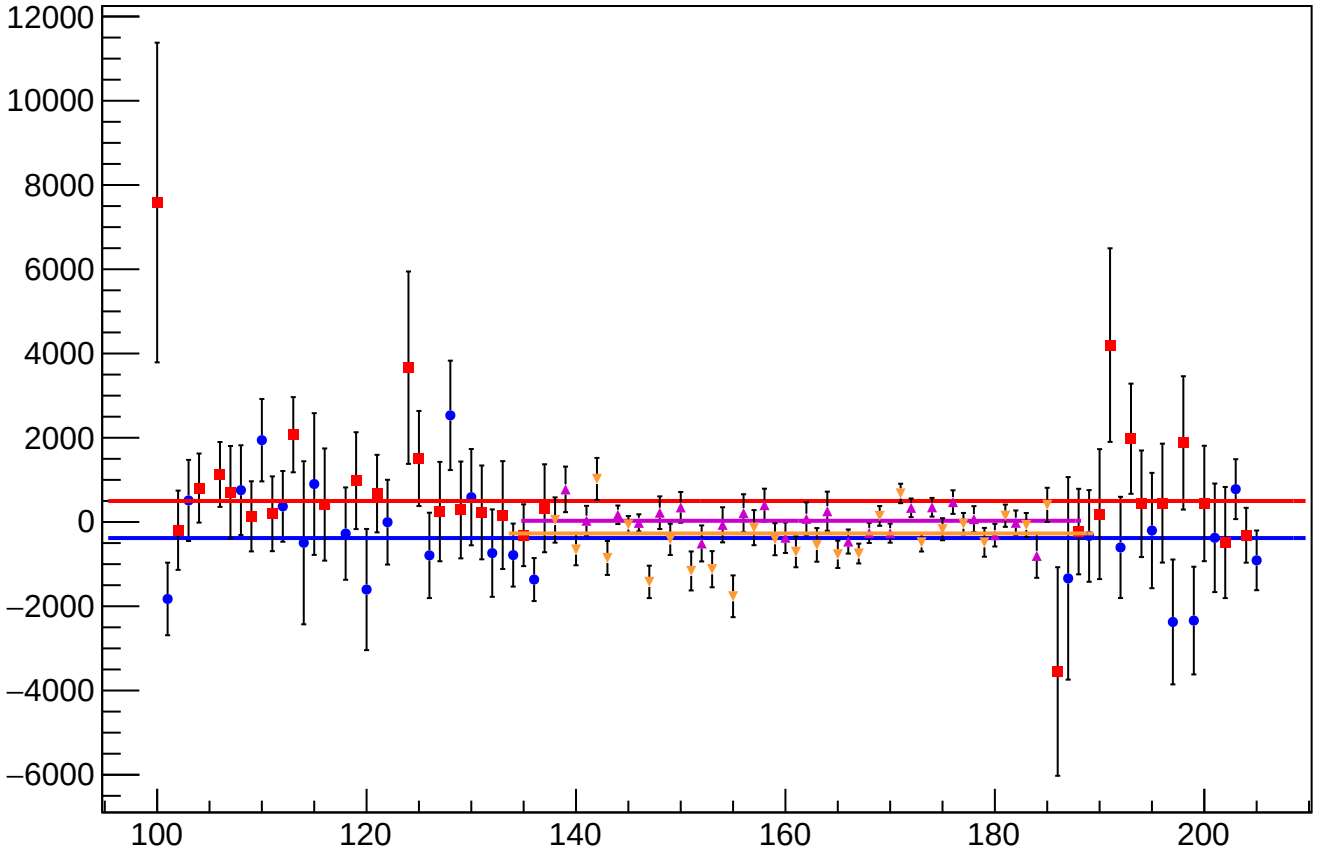
Left: 47.352+/-0.006 χ^2/NDF: 1373150.4/47

Right: 75.744+/-0.011 χ^2/NDF: 10163342.6/54

In: 53.016+/-0.007 χ^2/NDF:7530964.1/47

Out: 53.131+/-0.007 χ^2/NDF:9328775.0/54

All: 53.075+/-0.005 χ^2/NDF: 16859875.2/102



Right In: -380.891+/-198.158 χ^2/NDF: 30.4/24

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: 498.869+/-197.494 χ^2/NDF: 22.7/29

Left In: 29.200+/-62.671 χ^2/NDF:24.4/22

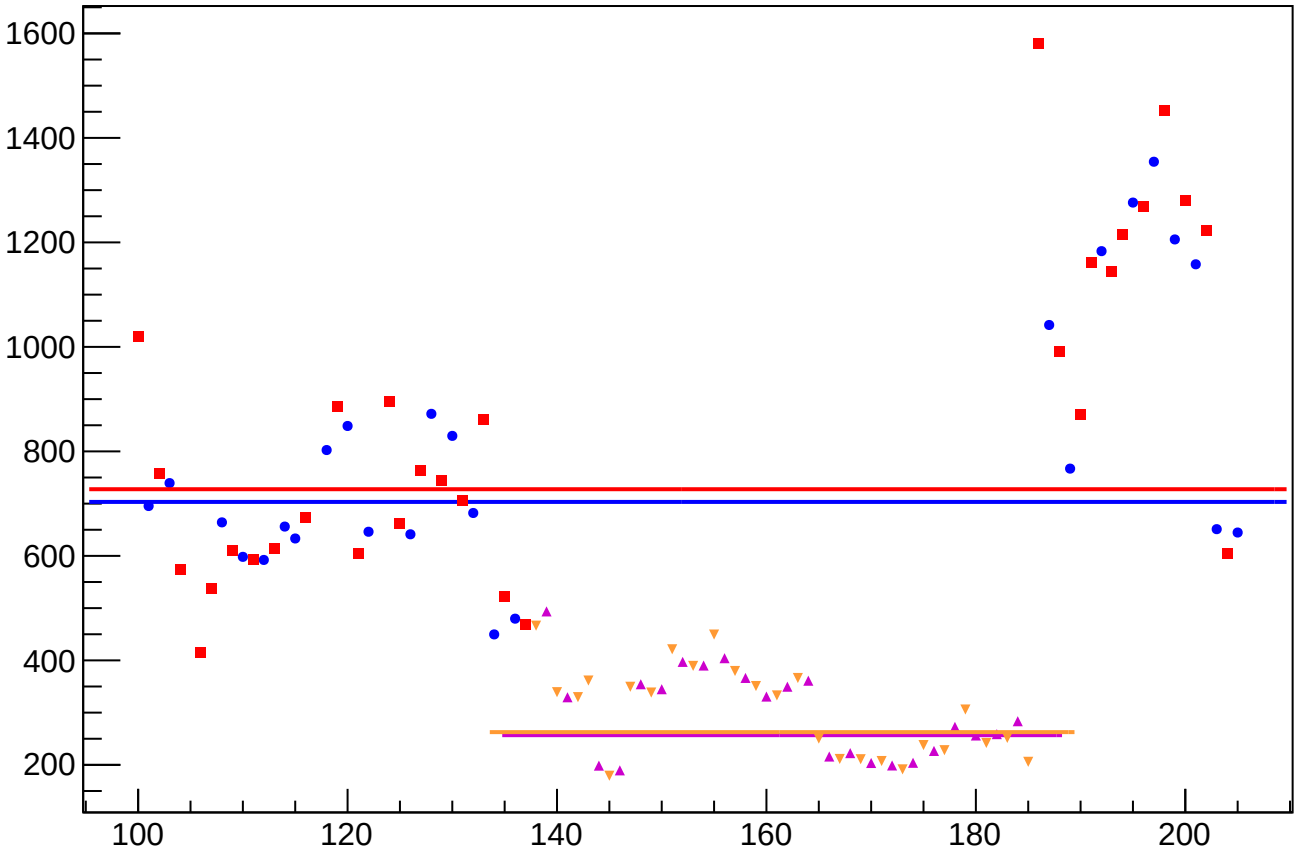
Left: -121.695+/-44.200 χ^2/NDF: 109.8/47

Right: 60.467+/-139.884 χ^2/NDF: 62.9/54

In: -8.089+/-59.753 χ^2/NDF:58.7/47

Out: -201.259+/-59.454 χ^2/NDF:110.4/54

All: -105.159+/-42.146 χ^2/NDF: 174.3/102



Right In: 703.282+/-0.140 χ^2/NDF: 2475580.8/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 727.594+/-0.140 χ^2/NDF: 3344649.2/29

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

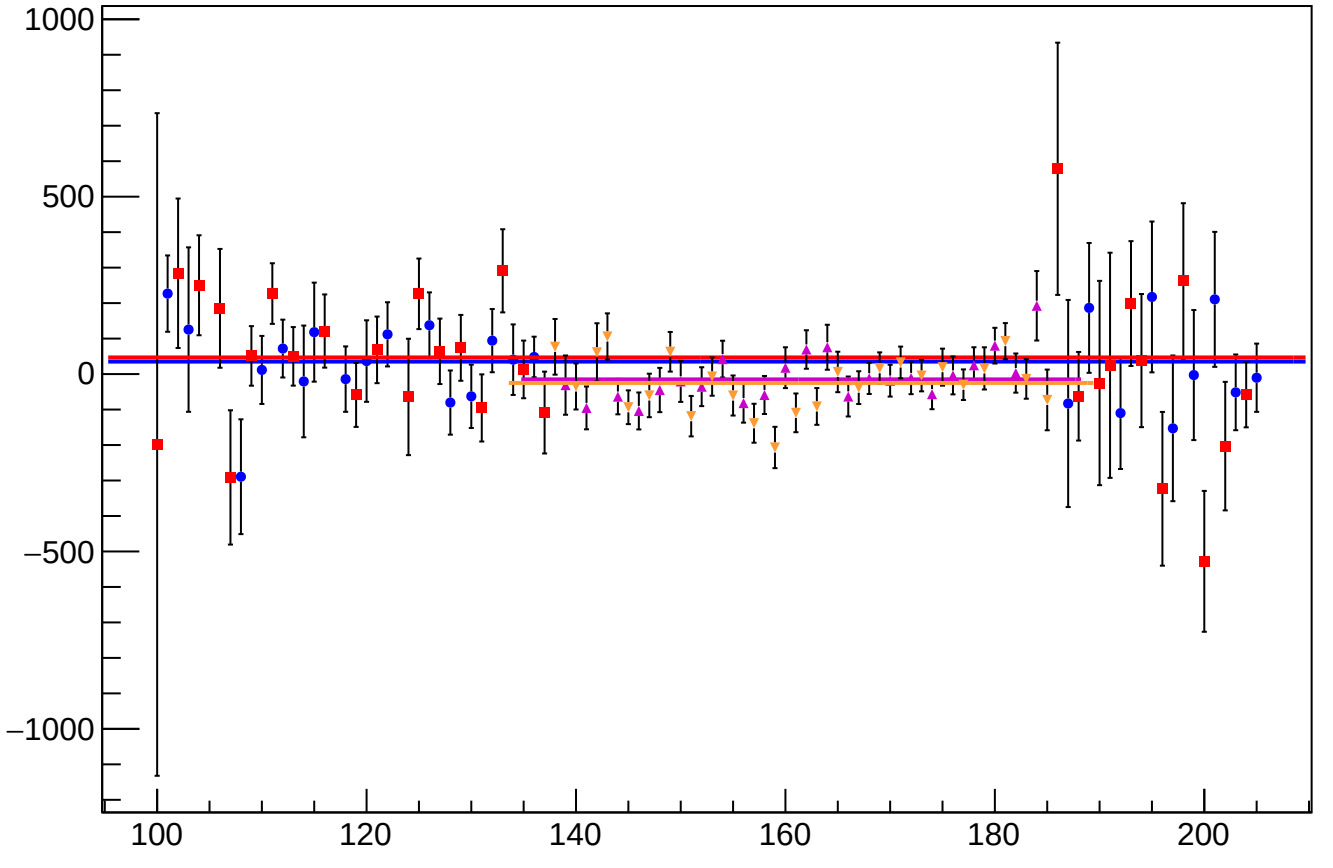
Left: 259.776+/-0.031 χ^2/NDF: 5541174.7/47

Right: 715.479+/-0.099 χ^2/NDF: 5835333.0/54

In: 297.436+/-0.042 χ^2/NDF:14343250.8/47

Out: 304.812+/-0.042 χ^2/NDF:16316818.4/54

All: 301.143+/-0.030 χ^2/NDF: 30675382.0/10



Right In: 35.204+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 46.867+/-22.098 χ^2/NDF: 45.4/29

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

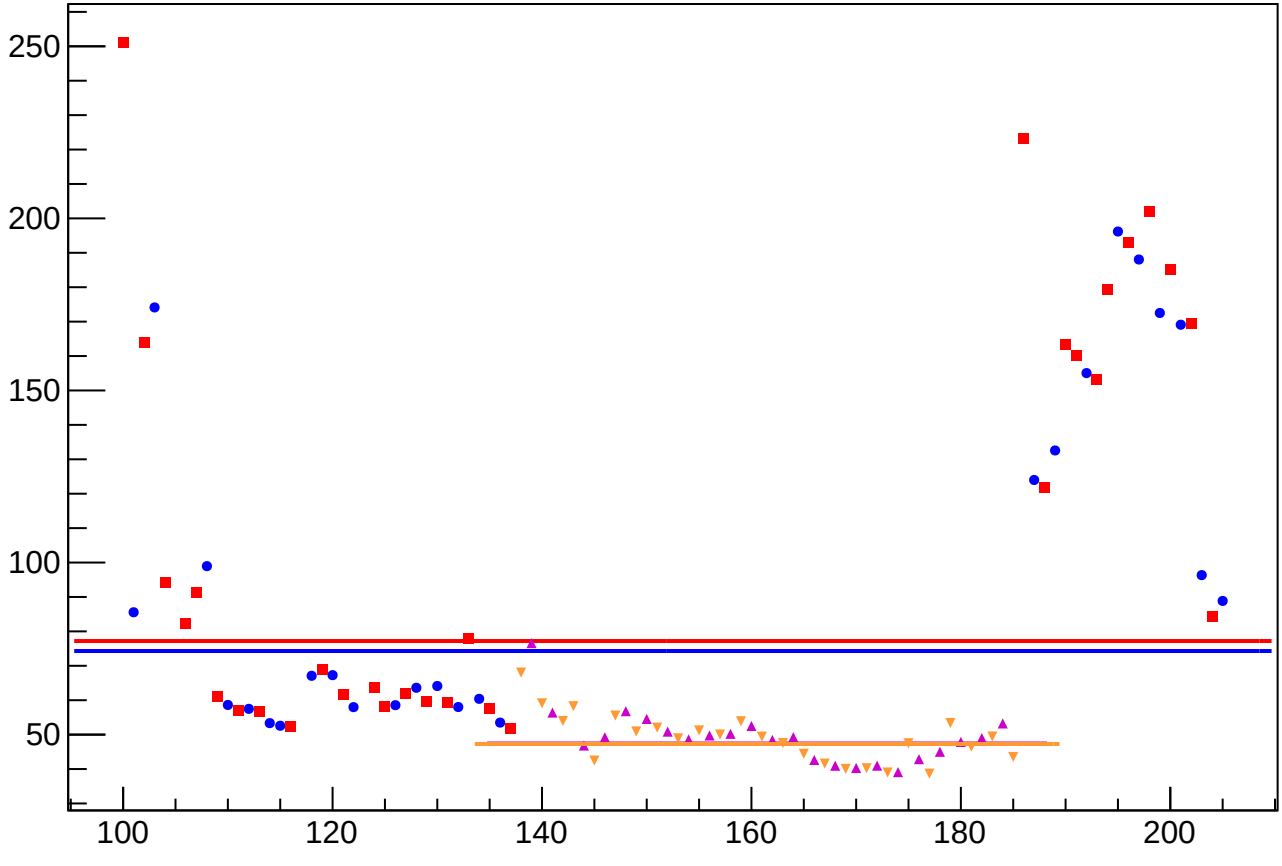
Right: 40.979+/-15.551 χ^2/NDF: 64.2/54

In: -4.549+/-9.983 χ^2/NDF:47.6/47

Out: -10.950+/-9.767 χ^2/NDF:97.0/54

All: -7.820+/-6.981 χ^2/NDF: 144.8/102

cor_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 74.298+/-0.015 χ^2/NDF: 4487500.2/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 77.200+/-0.016 χ^2/NDF: 5657574.8/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

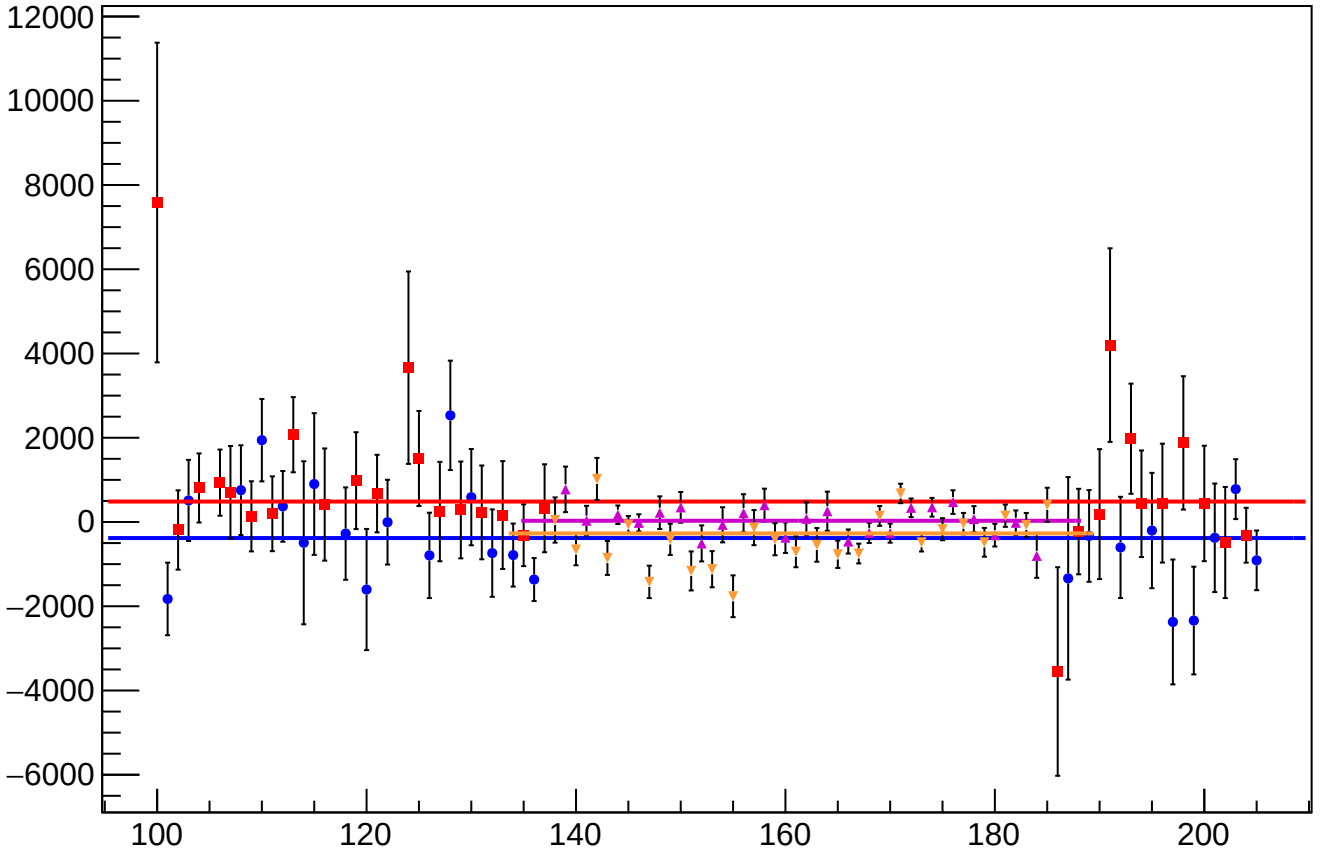
Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

Right: 75.735+/-0.011 χ^2/NDF: 10162489.3/54

In: 53.016+/-0.007 χ^2/NDF:7530965.9/47

Out: 53.127+/-0.007 χ^2/NDF:9324272.0/54

All: 53.073+/-0.005 χ^2/NDF: 16855364.6/102



Right In: -380.889+/-198.159 χ^2/NDF: 30.4/24

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 485.285+/-197.757 χ^2/NDF: 22.3/29

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

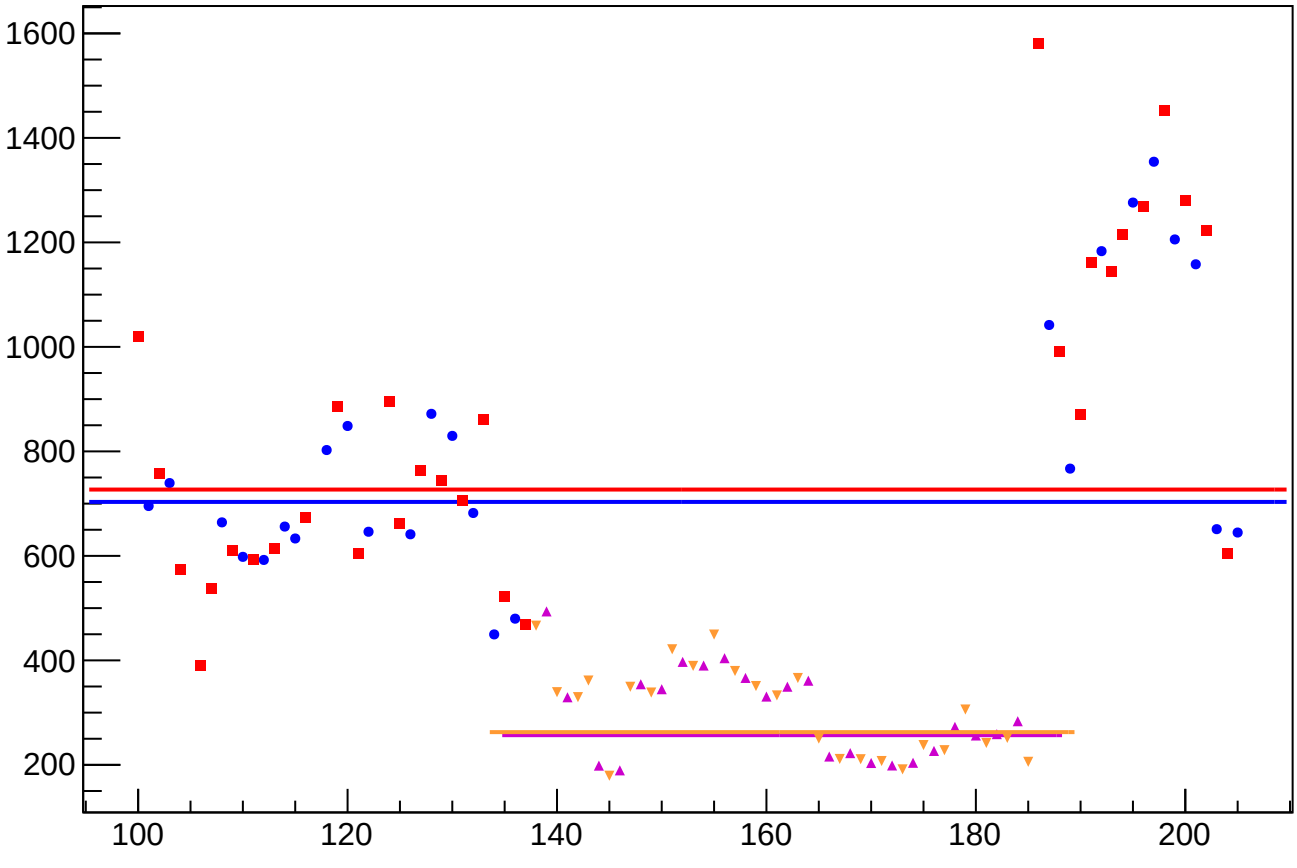
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 53.077+/-139.977 χ^2/NDF: 62.2/54

In: -8.087+/-59.753 χ^2/NDF:58.7/47

Out: -202.651+/-59.461 χ^2/NDF:109.5/54

All: -105.846+/-42.148 χ^2/NDF: 173.5/102



Right In: 703.285+/-0.140 χ^2/NDF: 2475592.0/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 726.947+/-0.140 χ^2/NDF: 3381133.9/29

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

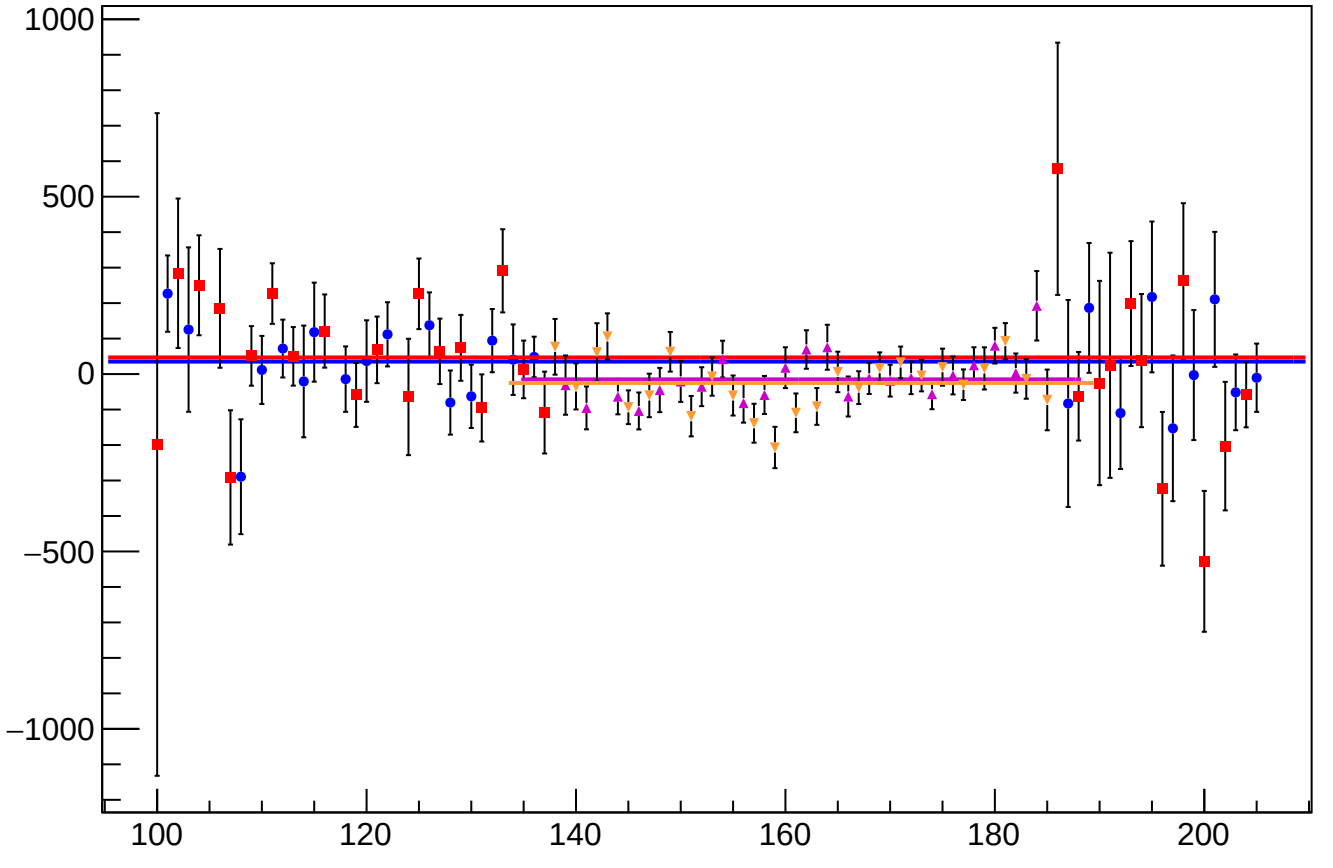
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 715.140+/-0.099 χ^2/NDF: 5871013.2/54

In: 297.436+/-0.042 χ^2/NDF:14343296.0/47

Out: 304.651+/-0.042 χ^2/NDF:16300920.1/54

All: 301.062+/-0.030 χ^2/NDF: 30658867.3/10



Right In: 35.204+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: 46.867+/-22.098 χ^2/NDF: 45.4/29

Left In: -14.992+/-11.218 χ^2/NDF:24.7/22

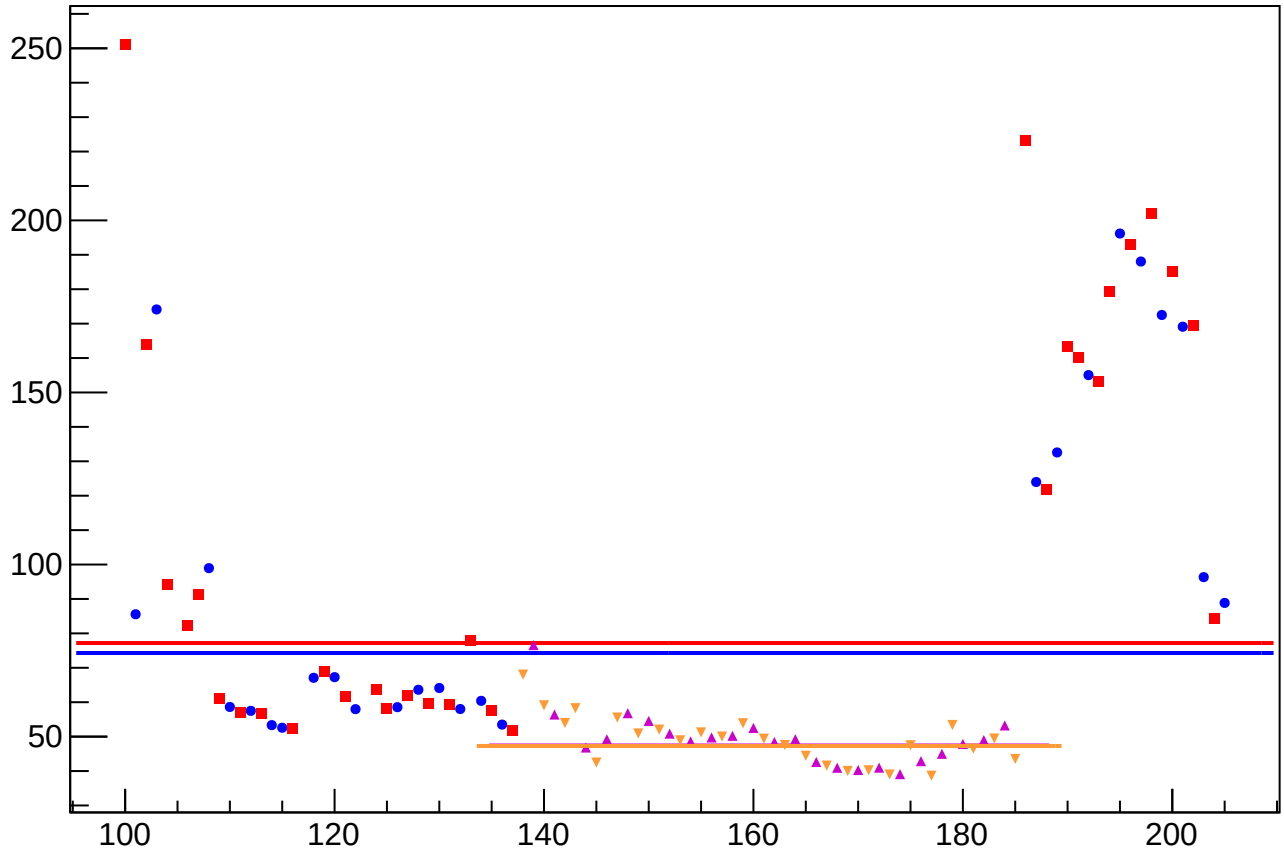
Left: -20.138+/-7.813 χ^2/NDF: 68.2/47

Right: 40.979+/-15.551 χ^2/NDF: 64.2/54

In: -4.549+/-9.983 χ^2/NDF:47.6/47

Out: -10.950+/-9.767 χ^2/NDF:97.0/54

All: -7.820+/-6.981 χ^2/NDF: 144.8/102



Right In: 74.298+/-0.015 χ^2/NDF: 4487500.2/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 77.200+/-0.016 χ^2/NDF: 5657574.8/29

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

Left: 47.352+/-0.006 χ^2/NDF: 1373150.3/47

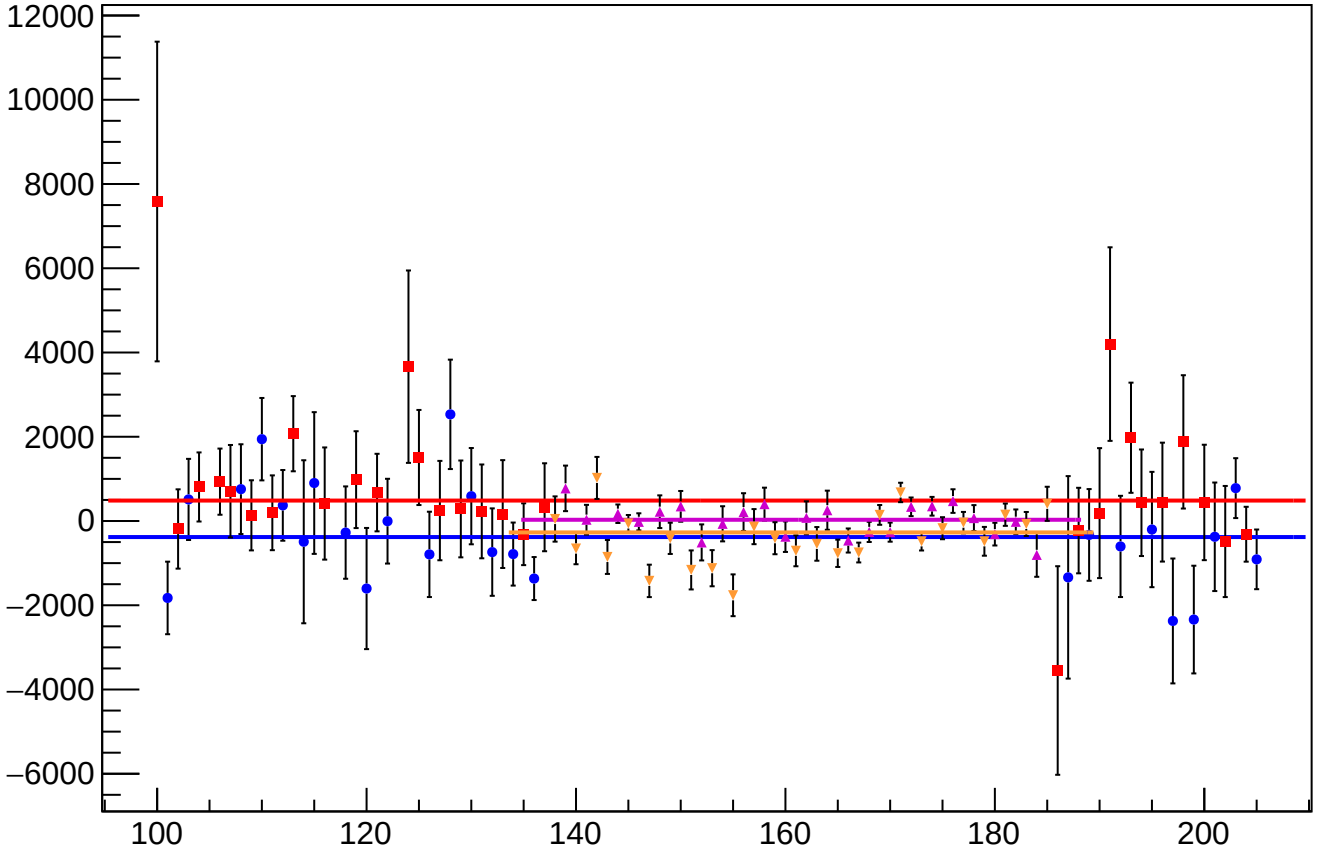
Right: 75.735+/-0.011 χ^2/NDF: 10162489.3/54

In: 53.016+/-0.007 χ^2/NDF:7530965.9/47

Out: 53.127+/-0.007 χ^2/NDF:9324272.0/54

All: 53.073+/-0.005 χ^2/NDF: 16855364.6/102

asym_sam_37_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -380.889+/-198.159 χ^2/NDF: 30.4/24

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: 485.285+/-197.757 χ^2/NDF: 22.3/29

Left In: 29.202+/-62.671 χ^2/NDF:24.4/22

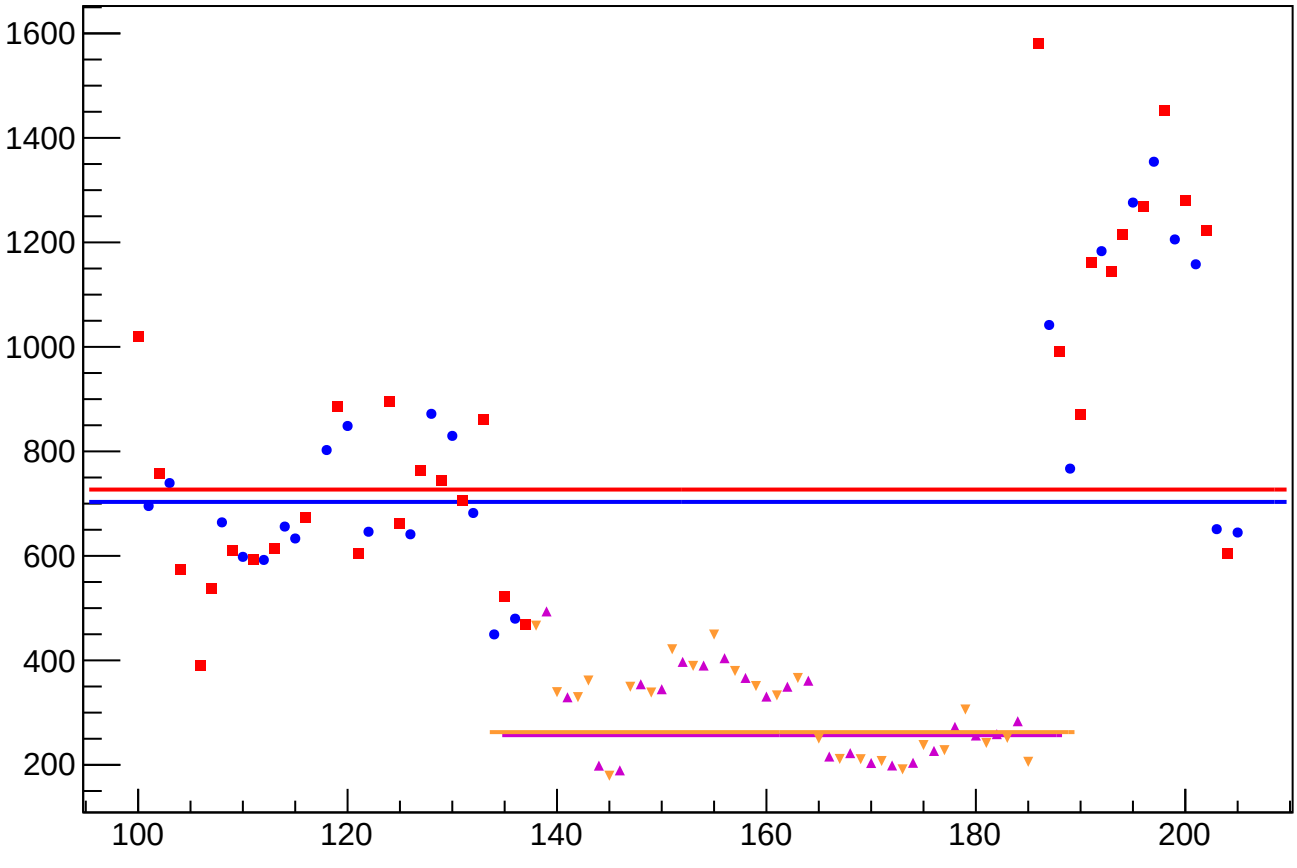
Left: -121.692+/-44.200 χ^2/NDF: 109.8/47

Right: 53.077+/-139.977 χ^2/NDF: 62.2/54

In: -8.087+/-59.753 χ^2/NDF:58.7/47

Out: -202.651+/-59.461 χ^2/NDF:109.5/54

All: -105.846+/-42.148 χ^2/NDF: 173.5/102



Right In: 703.285+/-0.140 χ^2/NDF: 2475592.0/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 726.947+/-0.140 χ^2/NDF: 3381133.9/29

Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

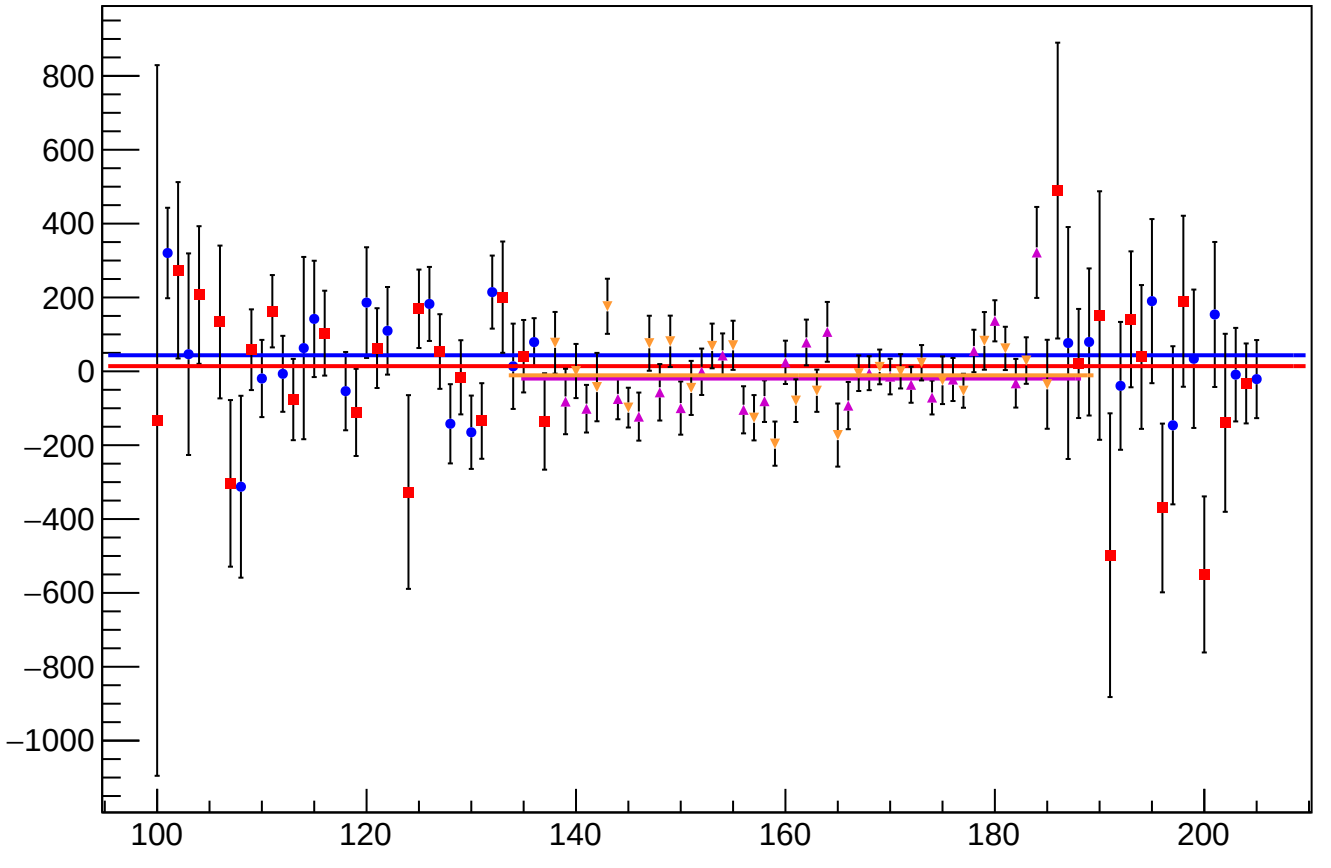
Left: 259.776+/-0.031 χ^2/NDF: 5541171.4/47

Right: 715.140+/-0.099 χ^2/NDF: 5871013.2/54

In: 297.436+/-0.042 χ^2/NDF:14343296.0/47

Out: 304.651+/-0.042 χ^2/NDF:16300920.1/54

All: 301.062+/-0.030 χ^2/NDF: 30658867.3/10



Right In: 43.510+/-25.285 χ^2/NDF: 25.3/24

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: 14.062+/-25.969 χ^2/NDF: 33.7/29

Left In: -19.597+/-12.546 χ^2/NDF:36.8/22

Left: -15.126+/-8.785 χ^2/NDF: 77.4/47

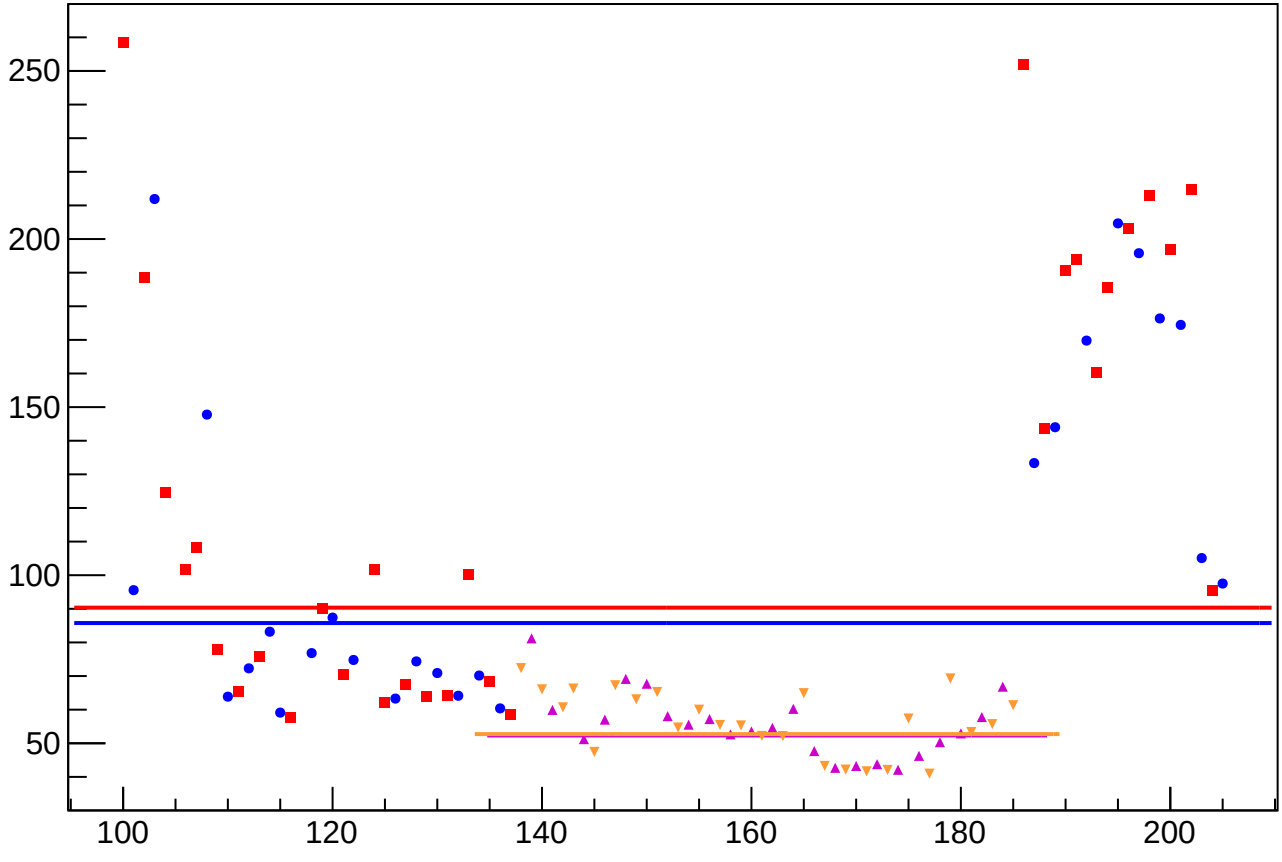
Right: 29.179+/-18.116 χ^2/NDF: 59.7/54

In: -7.130+/-11.238 χ^2/NDF:67.1/47

Out: -6.260+/-11.121 χ^2/NDF:74.9/54

All: -6.690+/-7.905 χ^2/NDF: 141.9/102

dit_asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 85.768+/-0.018 χ^2/NDF: 4121197.6/24

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 90.346+/-0.018 χ^2/NDF: 5423190.5/29

Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

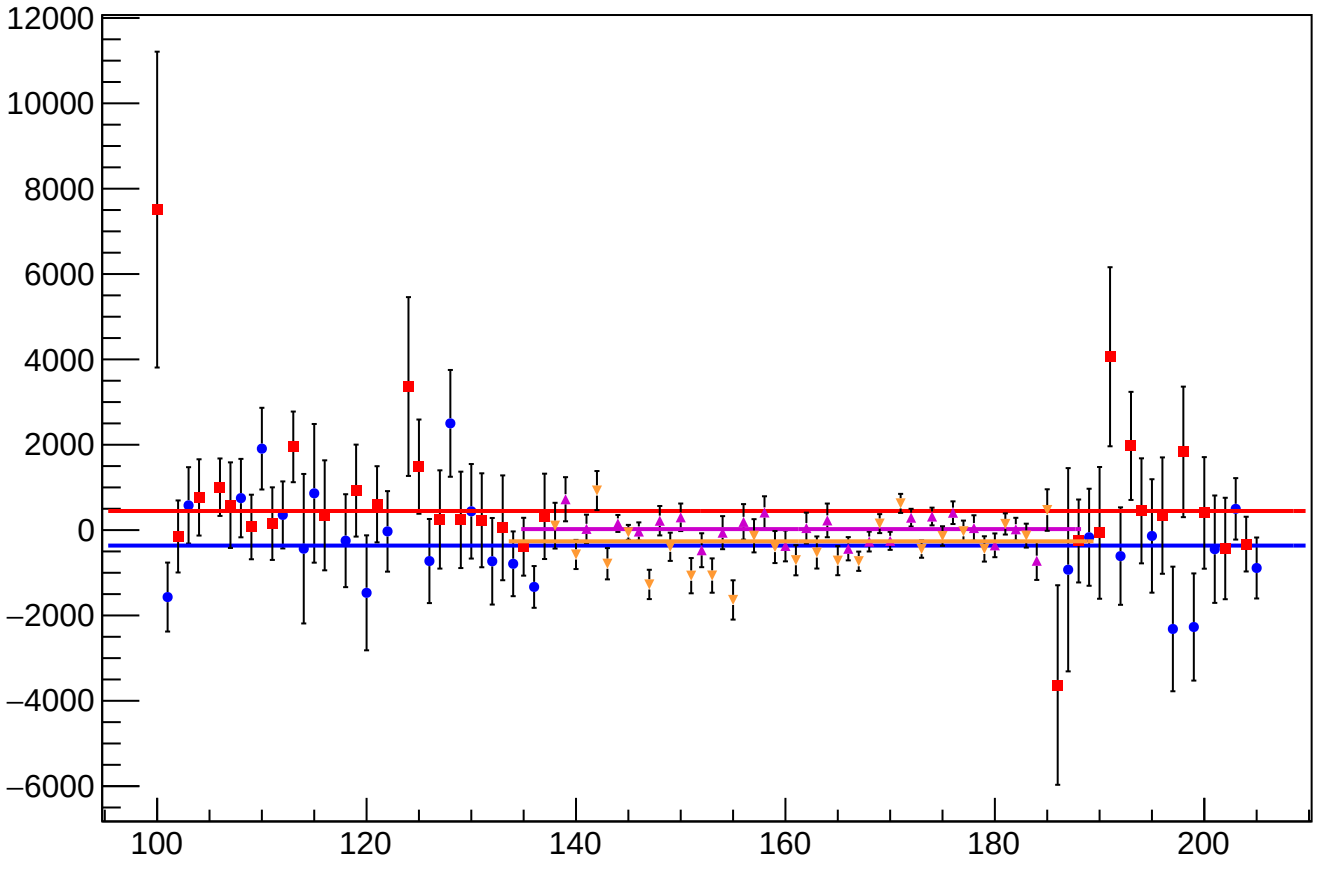
Left: 52.526+/-0.006 χ^2/NDF: 2060169.7/47

Right: 87.996+/-0.013 χ^2/NDF: 9576299.7/54

In: 58.923+/-0.008 χ^2/NDF:7822584.6/47

Out: 59.629+/-0.008 χ^2/NDF:10017024.2/54

All: 59.280+/-0.006 χ^2/NDF: 17843593.8/102



Right In: -362.884+/-191.813 χ^2/NDF: 29.2/24

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 447.716+/-187.793 χ^2/NDF: 24.4/29

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

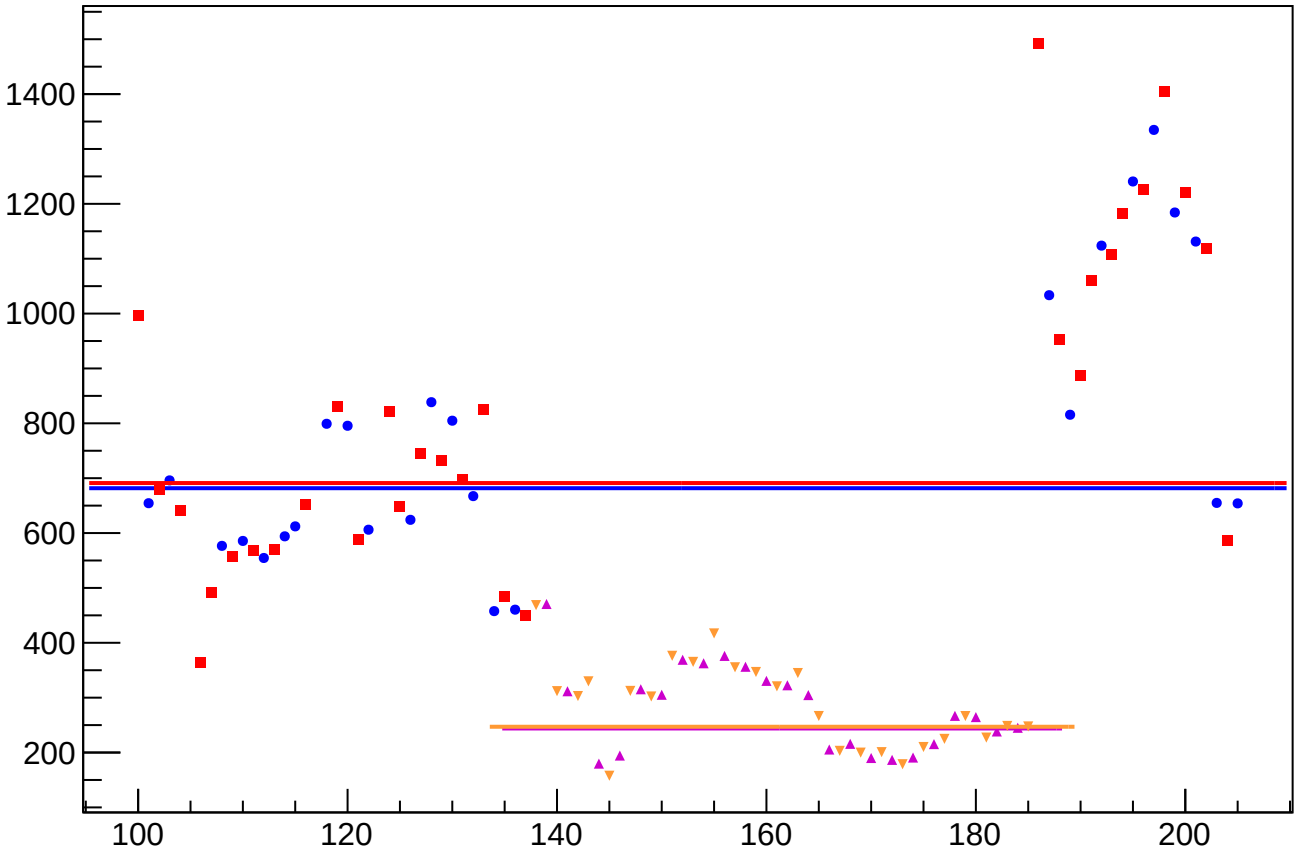
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 50.999+/-134.188 χ^2/NDF: 62.6/54

In: -10.336+/-56.739 χ^2/NDF:57.0/47

Out: -199.749+/-55.853 χ^2/NDF:109.6/54

All: -106.532+/-39.804 χ^2/NDF: 172.3/102



Right In: 681.730+/-0.136 χ^2/NDF: 2514243.7/24

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 691.143+/-0.133 χ^2/NDF: 3521783.9/29

Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

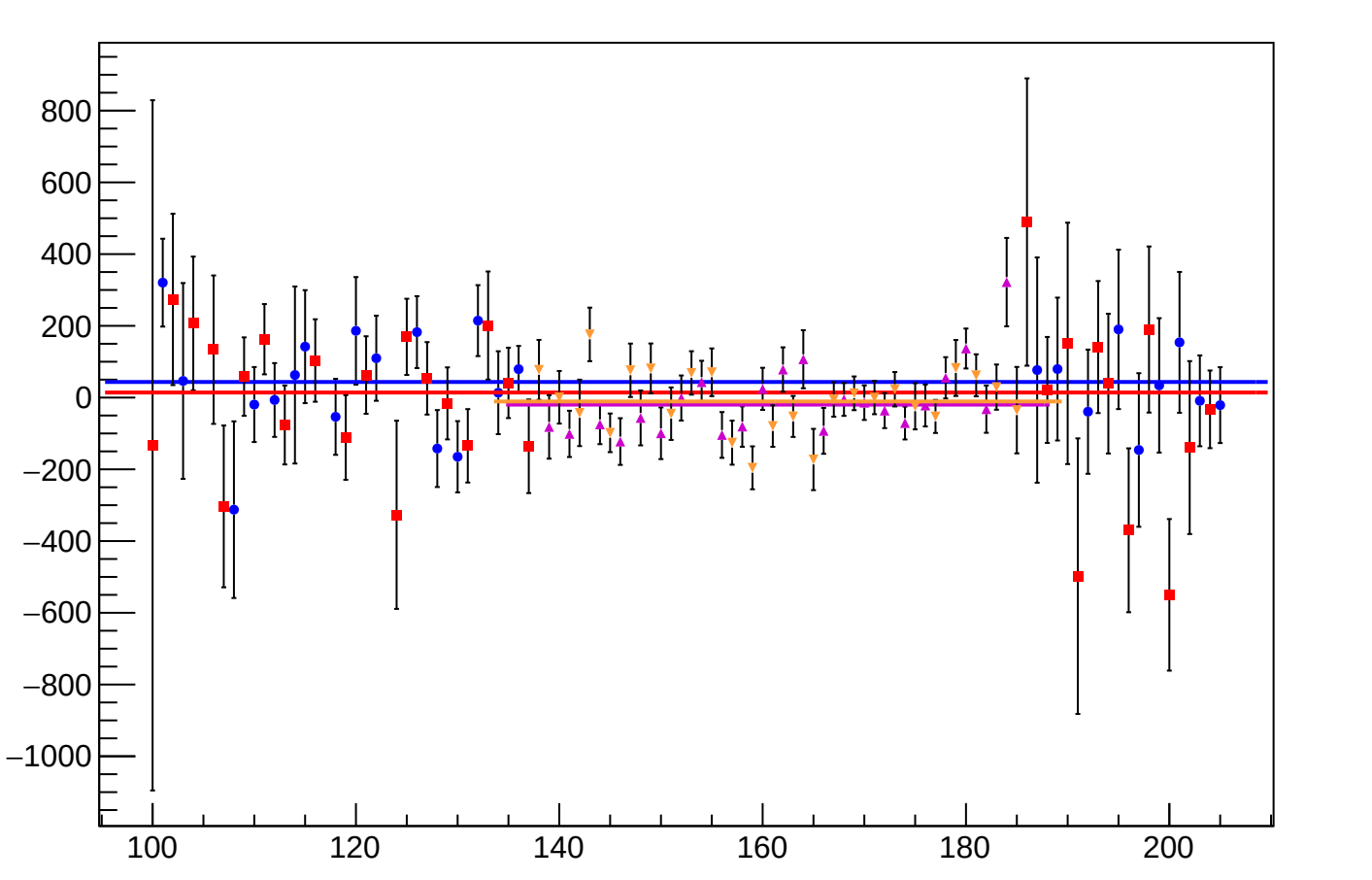
Left: 245.434+/-0.029 χ^2/NDF: 5419129.9/47

Right: 686.536+/-0.095 χ^2/NDF: 6038486.8/54

In: 282.141+/-0.040 χ^2/NDF:14516700.0/47

Out: 286.284+/-0.039 χ^2/NDF:16645172.3/54

All: 284.245+/-0.028 χ^2/NDF: 31167288.2/10



Right In: 43.510+/-25.285 χ^2/NDF: 25.3/24

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: 14.061+/-25.969 χ^2/NDF: 33.7/29

Left In: -19.598+/-12.546 χ^2/NDF:36.8/22

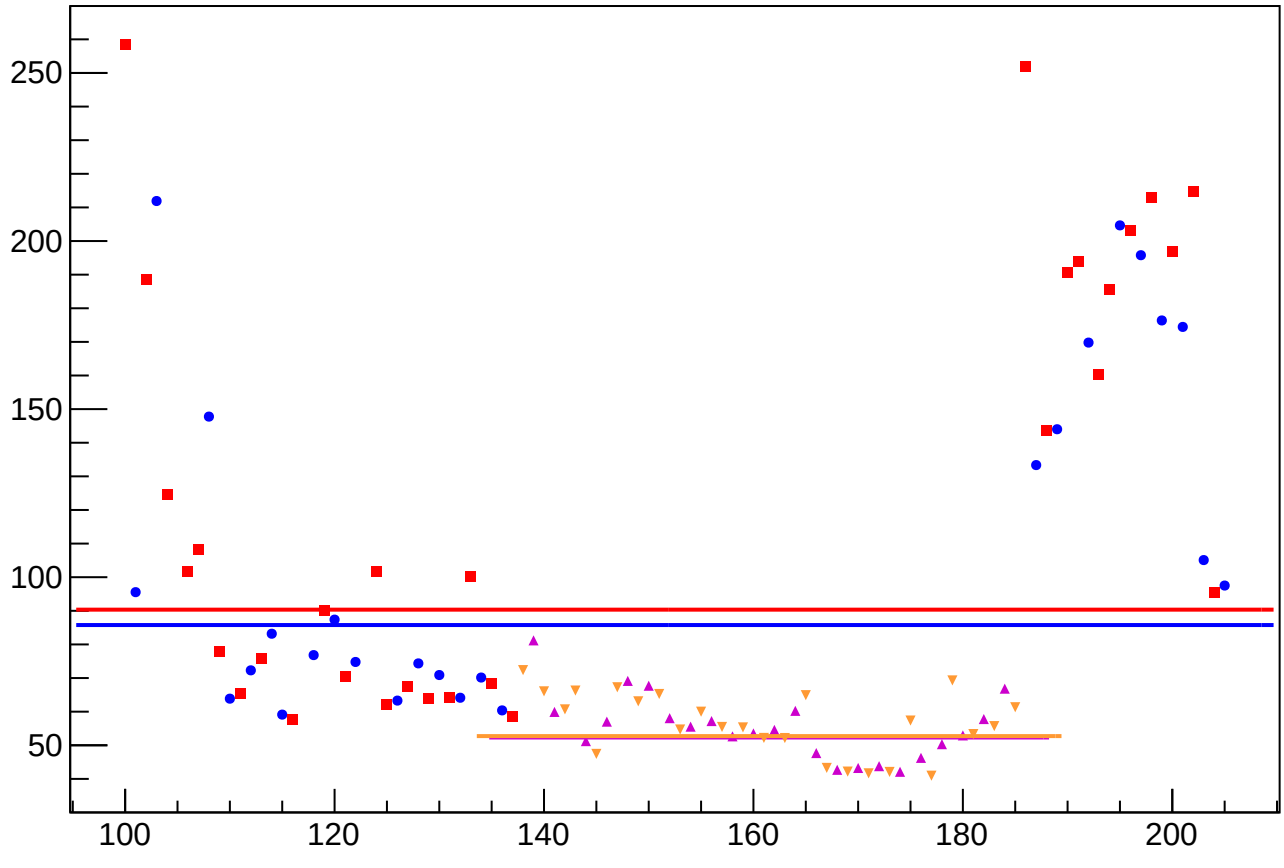
Left: -15.125+/-8.785 χ^2/NDF: 77.4/47

Right: 29.179+/-18.116 χ^2/NDF: 59.7/54

In: -7.130+/-11.238 χ^2/NDF:67.1/47

Out: -6.259+/-11.121 χ^2/NDF:74.9/54

All: -6.690+/-7.905 χ^2/NDF: 141.9/102



Right In: 85.768+/-0.018 χ^2/NDF: 4121219.6/24

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

Right Out: 90.346+/-0.018 χ^2/NDF: 5423189.8/29

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

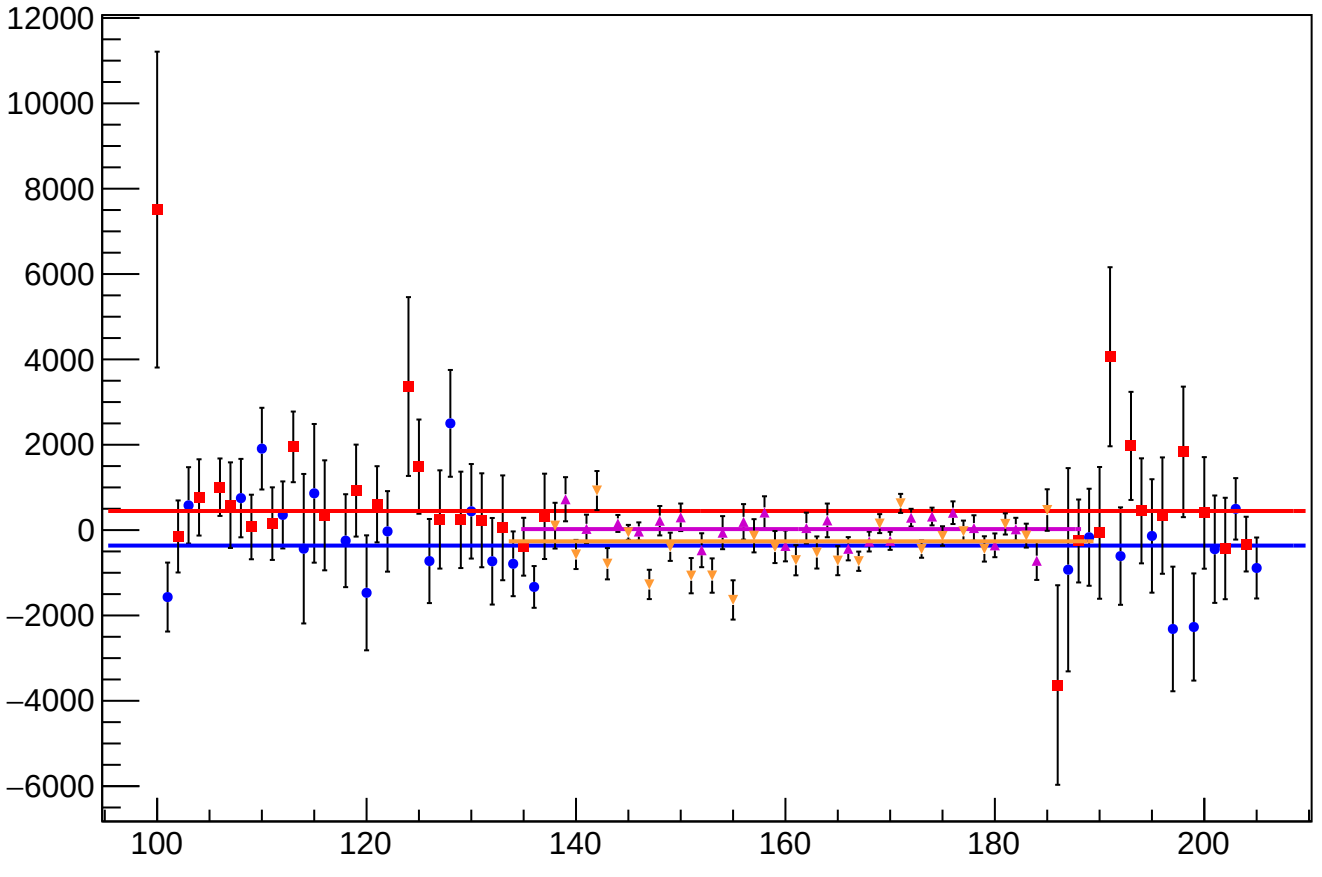
Left: 52.526+/-0.006 χ^2/NDF: 2060206.1/47

Right: 87.996+/-0.013 χ^2/NDF: 9576322.2/54

In: 58.923+/-0.008 χ^2/NDF:7822583.7/47

Out: 59.629+/-0.008 χ^2/NDF:10017025.8/54

All: 59.280+/-0.006 χ^2/NDF: 17843594.8/102



Right In: -362.884+/-191.813 χ^2/NDF: 29.2/24

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: 447.716+/-187.793 χ^2/NDF: 24.4/29

Left In: 23.469+/-59.397 χ^2/NDF:24.2/22

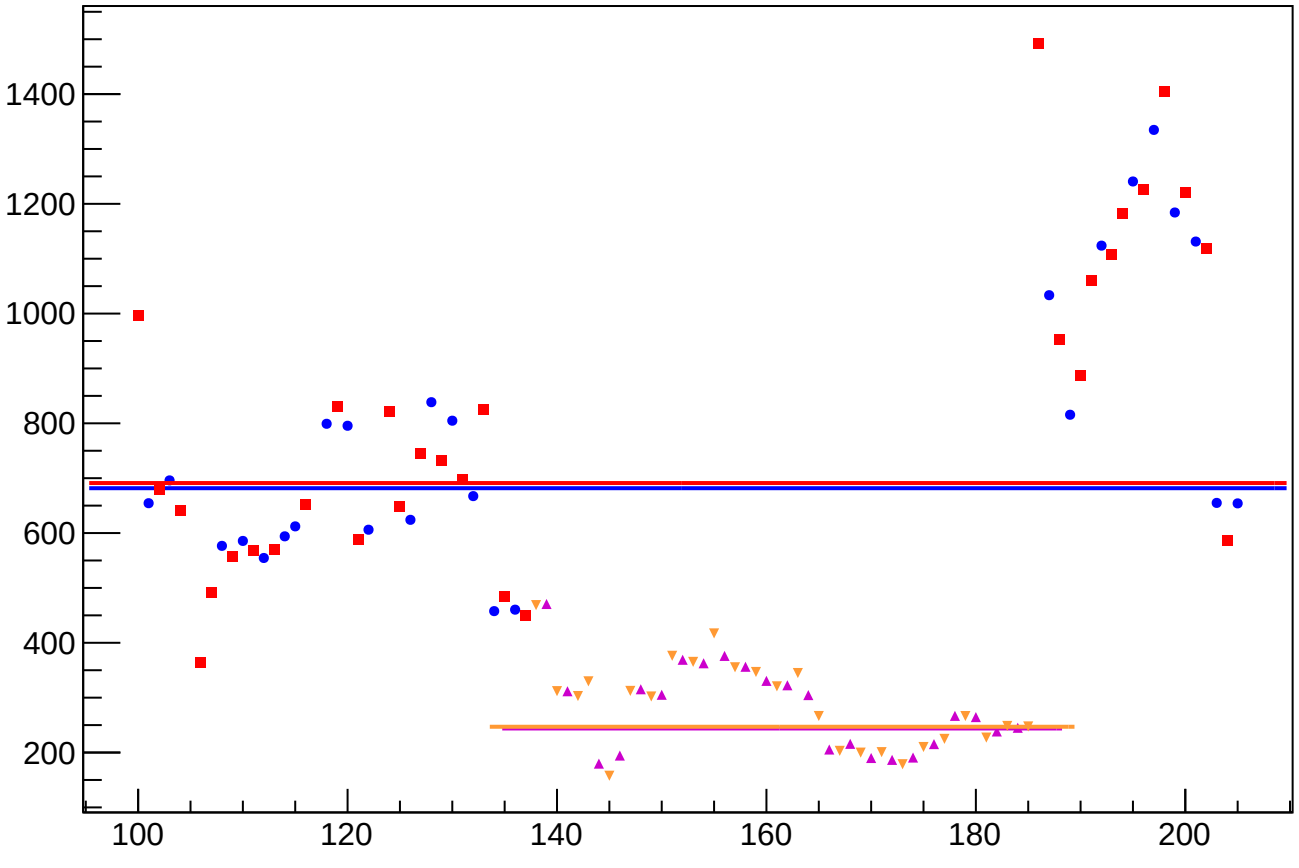
Left: -121.730+/-41.679 χ^2/NDF: 108.2/47

Right: 51.000+/-134.188 χ^2/NDF: 62.6/54

In: -10.336+/-56.739 χ^2/NDF:57.0/47

Out: -199.750+/-55.853 χ^2/NDF:109.6/54

All: -106.532+/-39.804 χ^2/NDF: 172.3/102



Right In: 681.730+/-0.136 χ^2/NDF: 2514232.1/24

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 691.142+/-0.133 χ^2/NDF: 3521777.7/29

Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

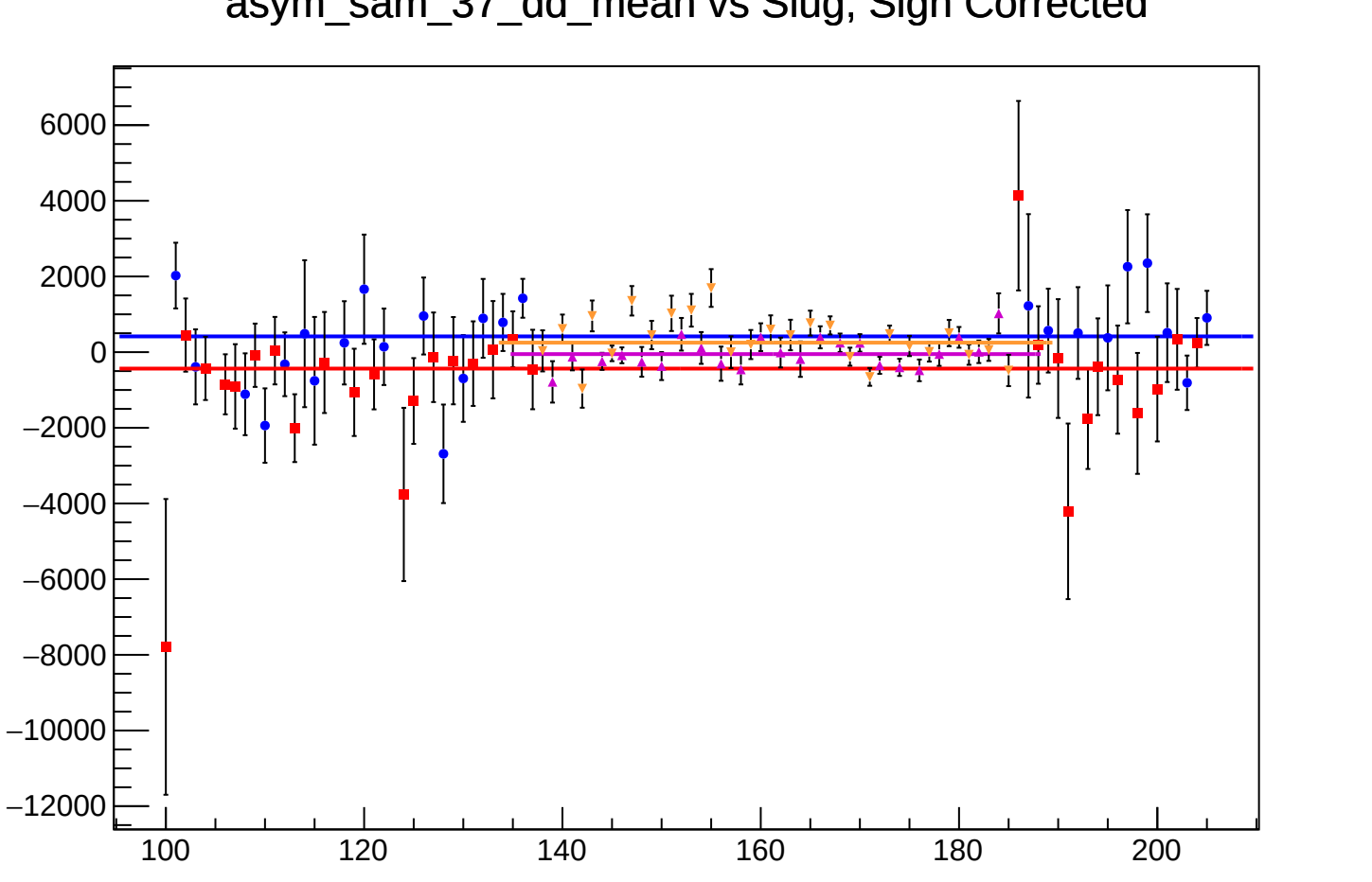
Left: 245.434+/-0.029 χ^2/NDF: 5419111.8/47

Right: 686.536+/-0.095 χ^2/NDF: 6038468.6/54

In: 282.141+/-0.040 χ^2/NDF:14516701.4/47

Out: 286.284+/-0.039 χ^2/NDF:16645155.6/54

All: 284.245+/-0.028 χ^2/NDF: 31167273.2/10



Right In: 416.170+/-199.910 χ^2/NDF: 32.4/24

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: -434.840+/-199.538 χ^2/NDF: 22.3/29

Left In: -51.707+/-63.843 χ^2/NDF:26.8/22

Left: 100.699+/-44.995 χ^2/NDF: 105.7/47

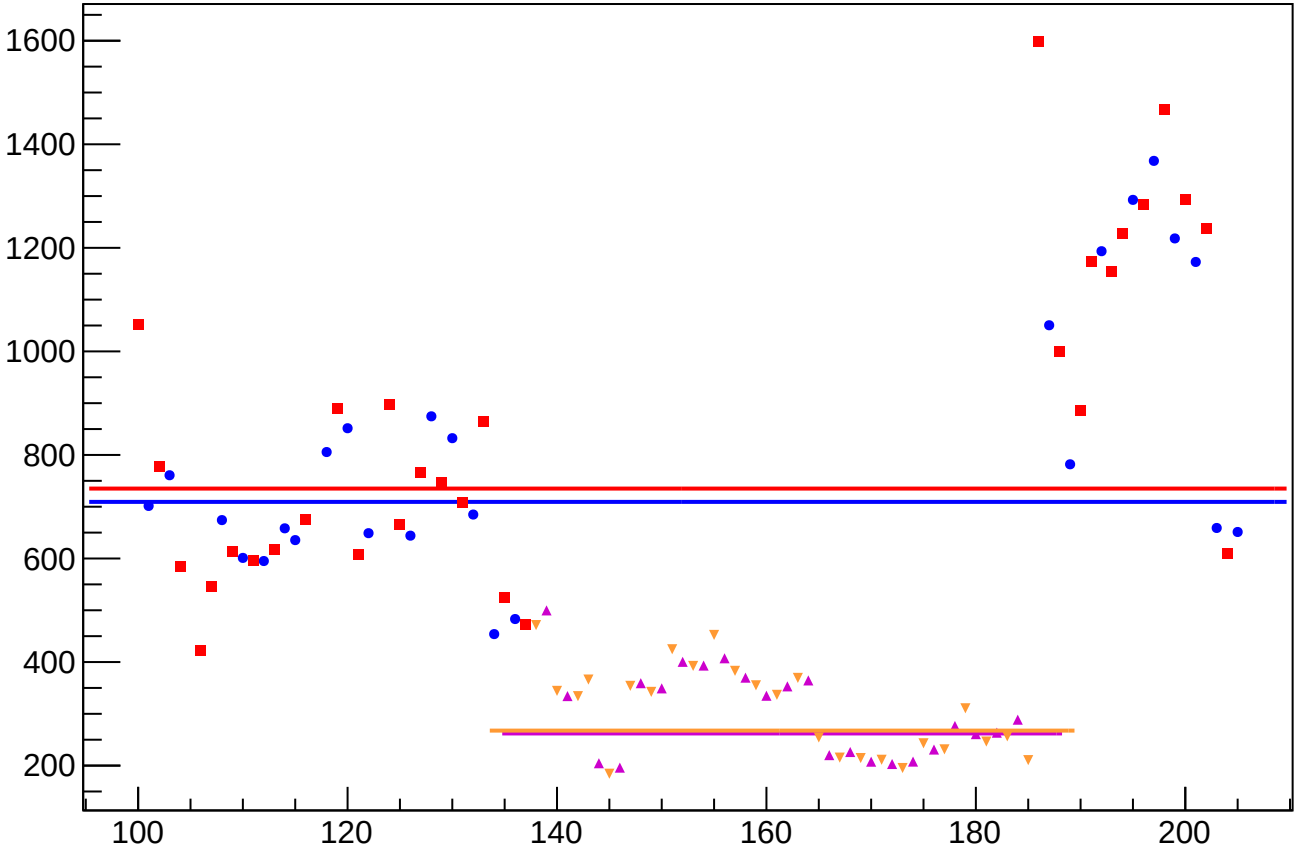
Right: -10.129+/-141.226 χ^2/NDF: 63.8/54

In: -8.405+/-60.817 χ^2/NDF:64.2/47

Out: 188.167+/-60.444 χ^2/NDF:100.6/54

All: 90.486+/-42.872 χ^2/NDF: 170.0/102

asym_sam_37_dd_rms vs Slug, Sign Corrected



Right In: 709.342+/-0.141 χ^2/NDF: 2490727.6/24

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

Right Out: 735.048+/-0.141 χ^2/NDF: 3336757.7/29

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

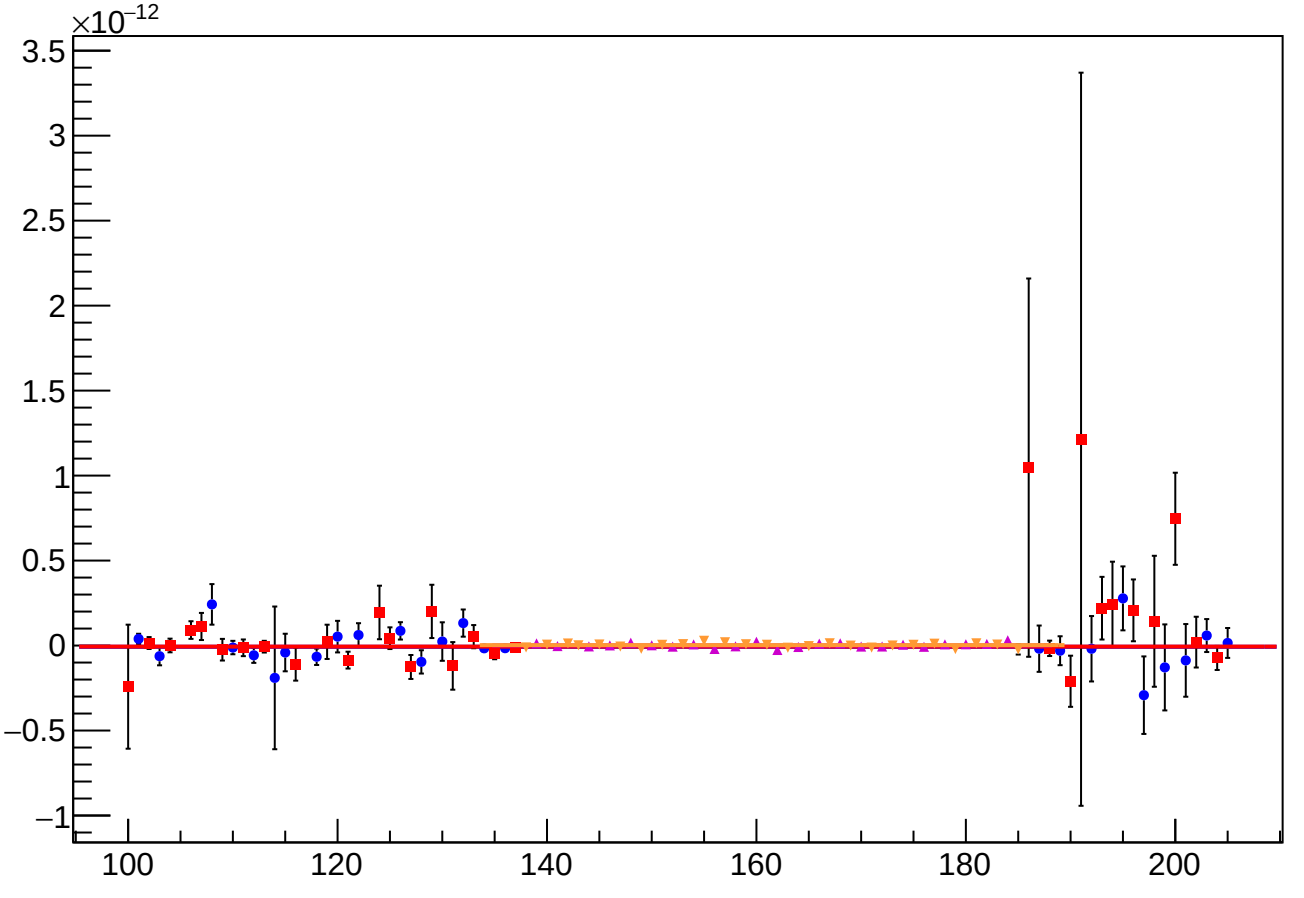
Left: 264.859+/-0.032 χ^2/NDF: 5346387.6/47

Right: 722.219+/-0.100 χ^2/NDF: 5844050.5/54

In: 303.486+/-0.043 χ^2/NDF:14112300.8/47

Out: 310.483+/-0.043 χ^2/NDF:16107590.2/54

All: 307.006+/-0.030 χ^2/NDF: 30233210.3/10



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/29

Left In: 0.000+/-0.000 χ^2/NDF:12.3/22

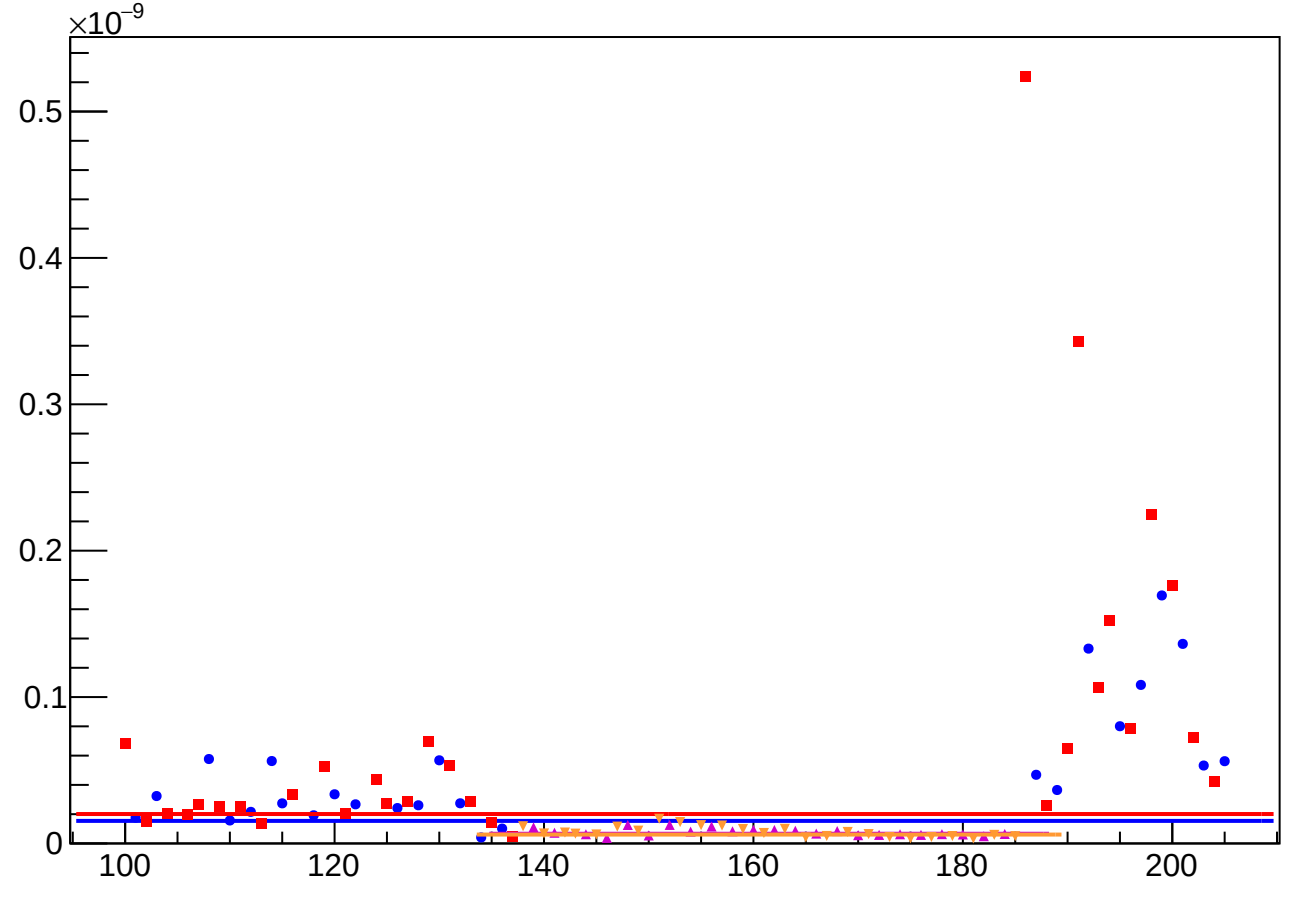
Left: 0.000+/-0.000 χ^2/NDF: 27.6/47

Right: -0.000+/-0.000 χ^2/NDF: 61.6/54

In: 0.000+/-0.000 χ^2/NDF:38.9/47

Out: 0.000+/-0.000 χ^2/NDF:51.6/54

All: 0.000+/-0.000 χ^2/NDF: 90.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 5860252.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5327472.1/29

Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

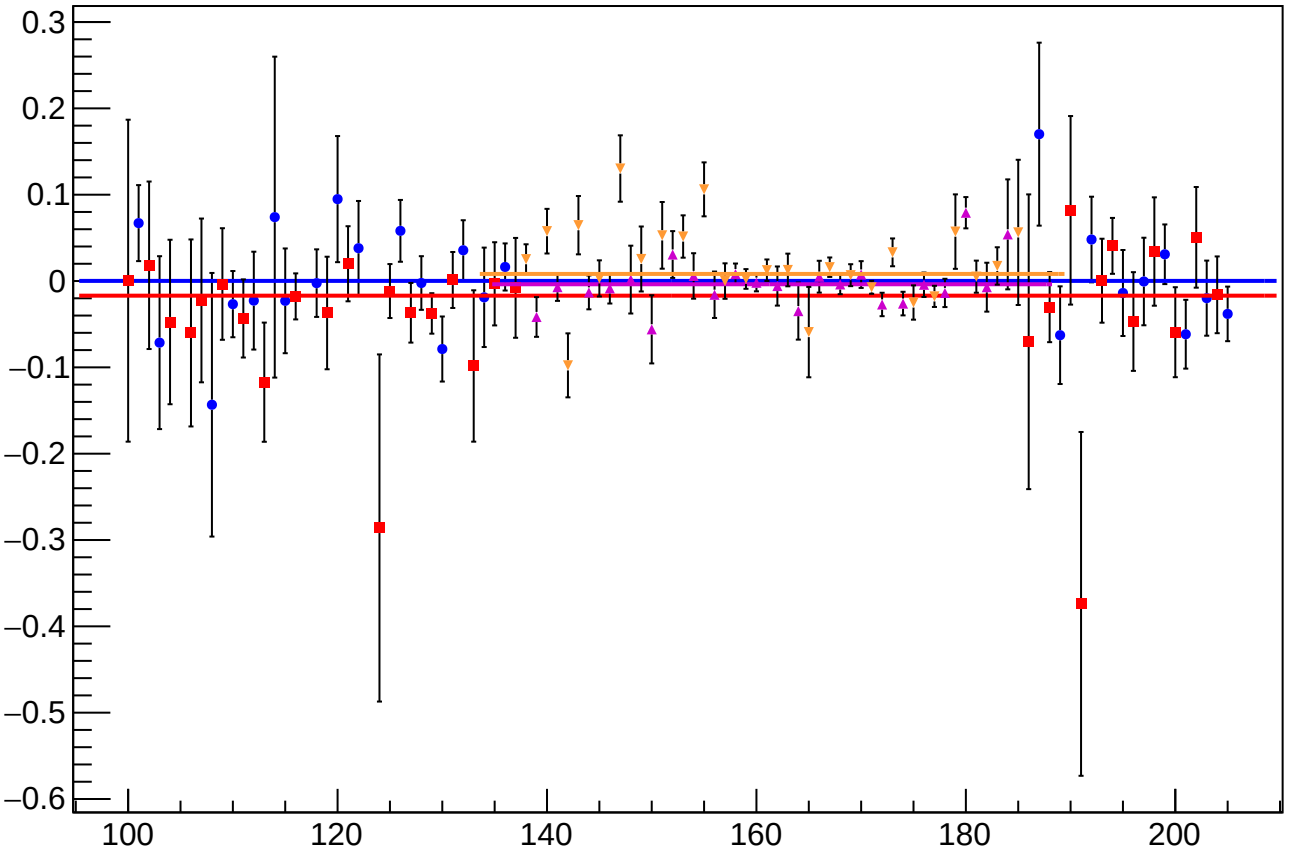
Left: 0.000+/-0.000 χ^2/NDF: 3636937.9/47

Right: 0.000+/-0.000 χ^2/NDF: 11404456.7/54

In: 0.000+/-0.000 χ^2/NDF:8731812.4/47

Out: 0.000+/-0.000 χ^2/NDF:10883209.0/54

All: 0.000+/-0.000 χ^2/NDF: 19667700.5/102



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

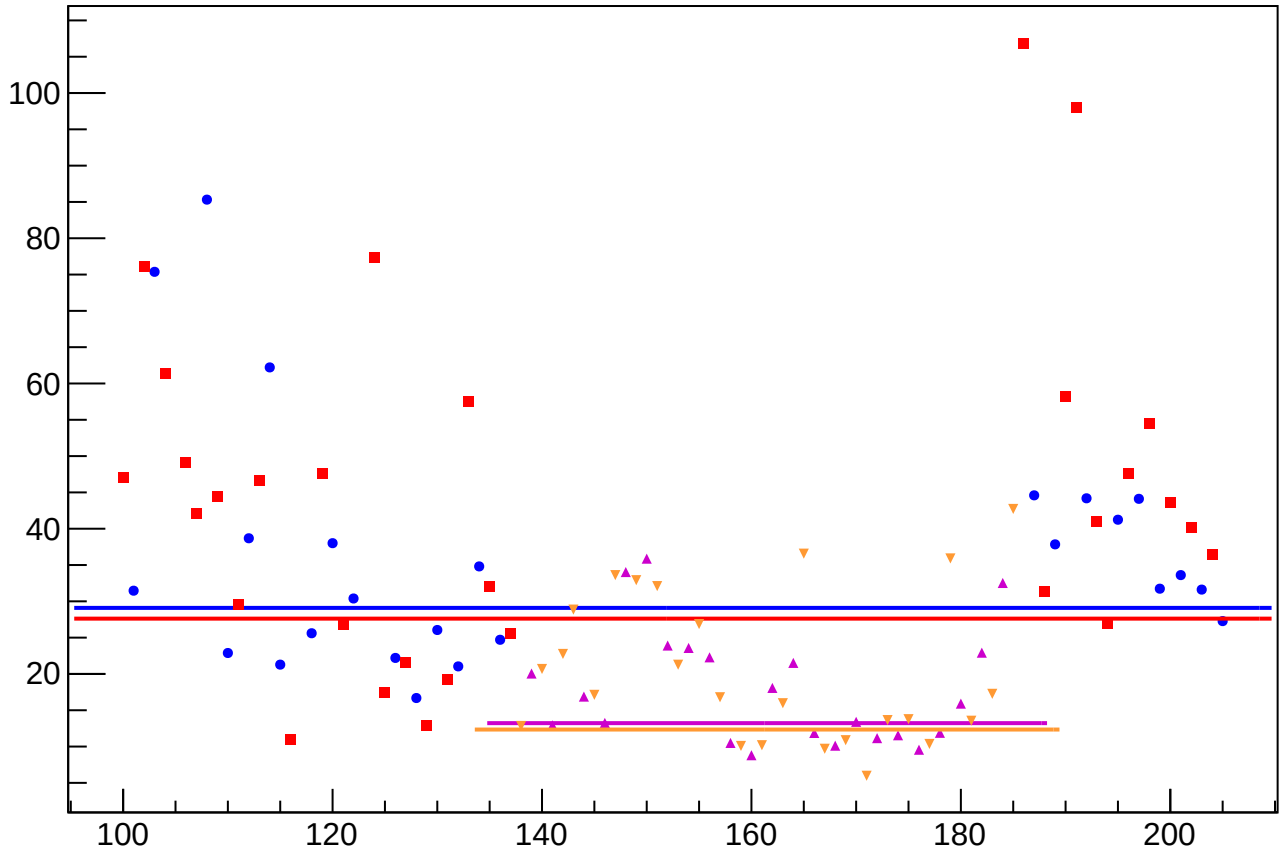
Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

Right: -0.008+/-0.006 χ^2/NDF: 45.3/54

In: -0.003+/-0.003 χ^2/NDF:62.4/47

Out: 0.005+/-0.003 χ^2/NDF:84.3/54

All: 0.001+/-0.002 χ^2/NDF: 149.7/102



Right In: 29.097+/-0.006 χ^2/NDF: 2163269.8/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709446.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

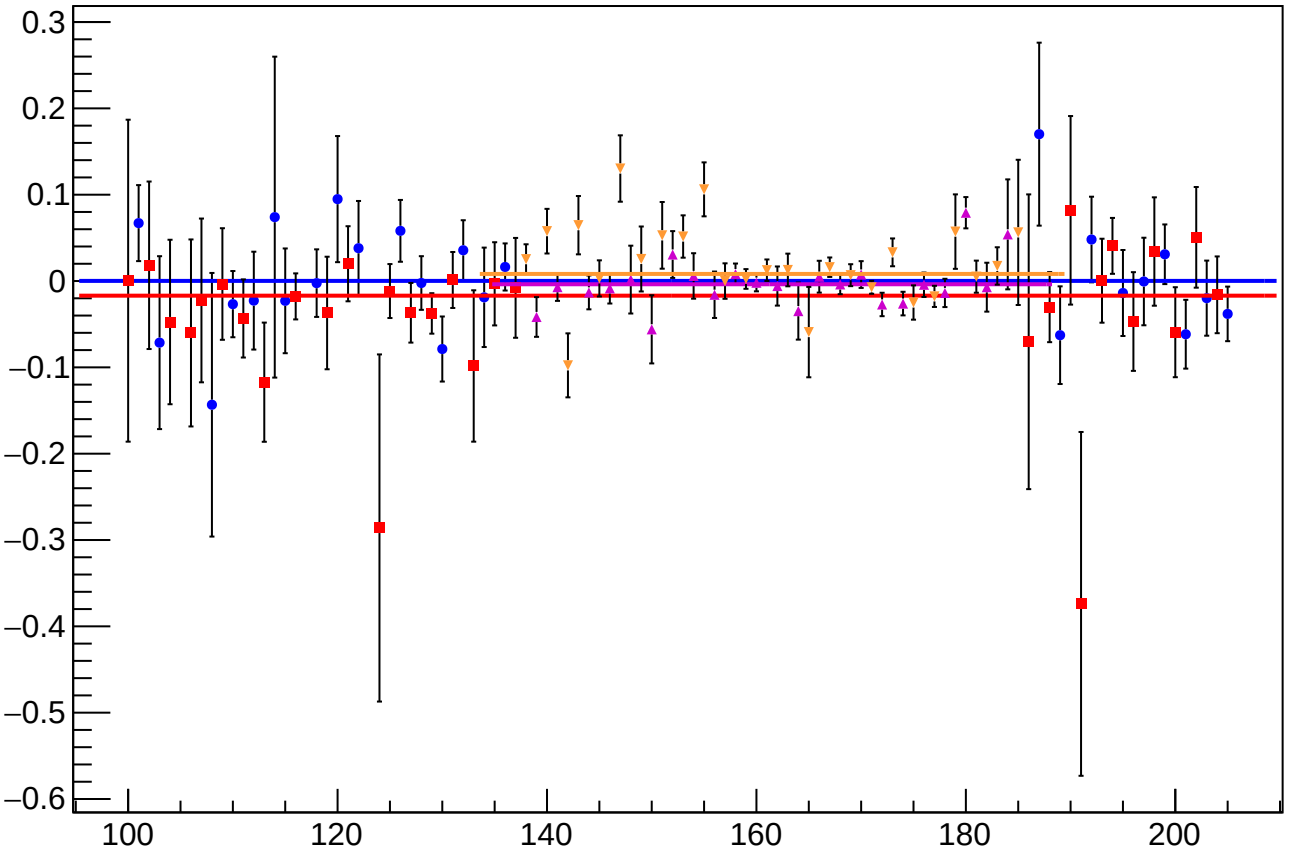
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.351+/-0.004 χ^2/NDF: 7900803.8/54

In: 15.506+/-0.002 χ^2/NDF:11518457.2/47

Out: 14.383+/-0.002 χ^2/NDF:17676781.1/54

All: 14.919+/-0.002 χ^2/NDF: 29311836.0/102



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

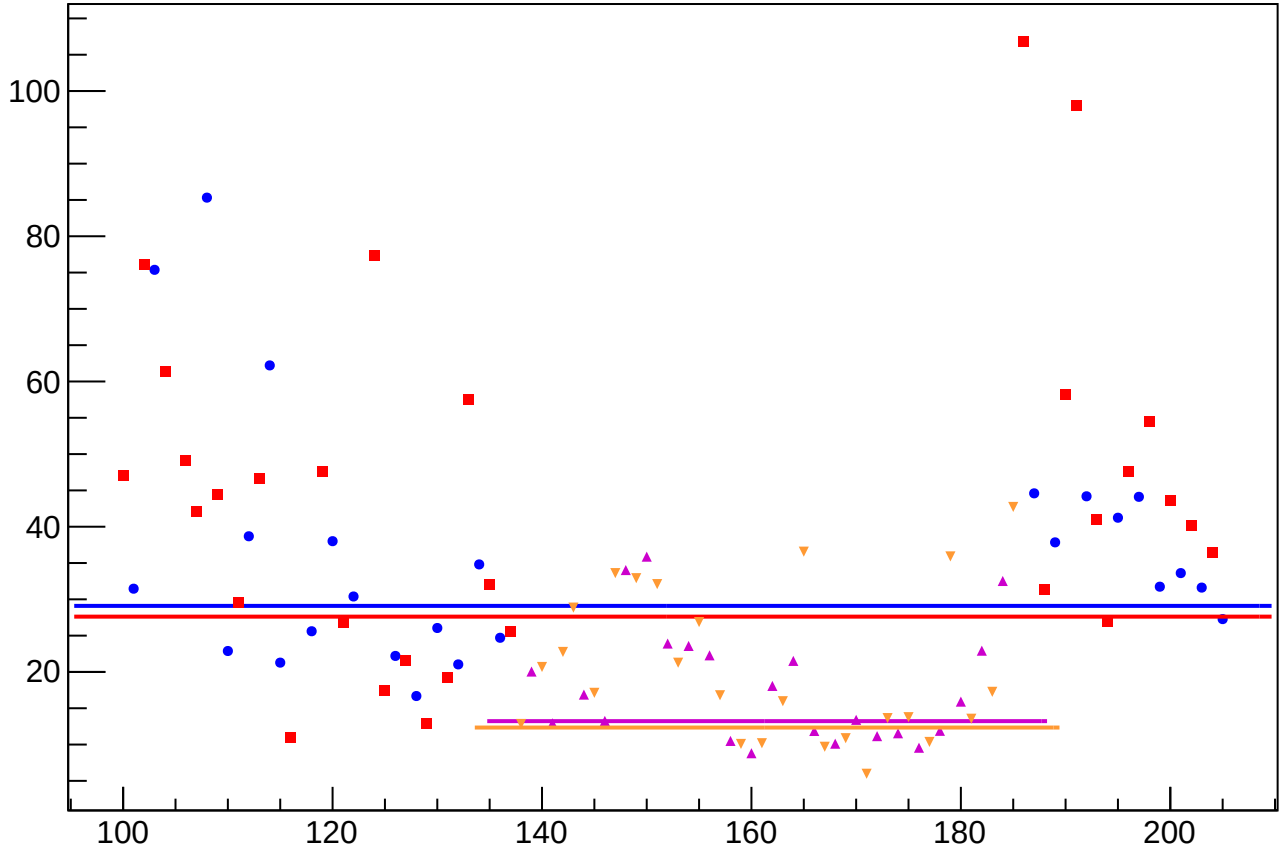
Right: -0.008+/-0.006 χ^2/NDF: 45.3/54

In: -0.003+/-0.003 χ^2/NDF:62.4/47

Out: 0.005+/-0.003 χ^2/NDF:84.3/54

All: 0.001+/-0.002 χ^2/NDF: 149.7/102

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.097+/-0.006 χ^2/NDF: 2163269.8/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709446.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

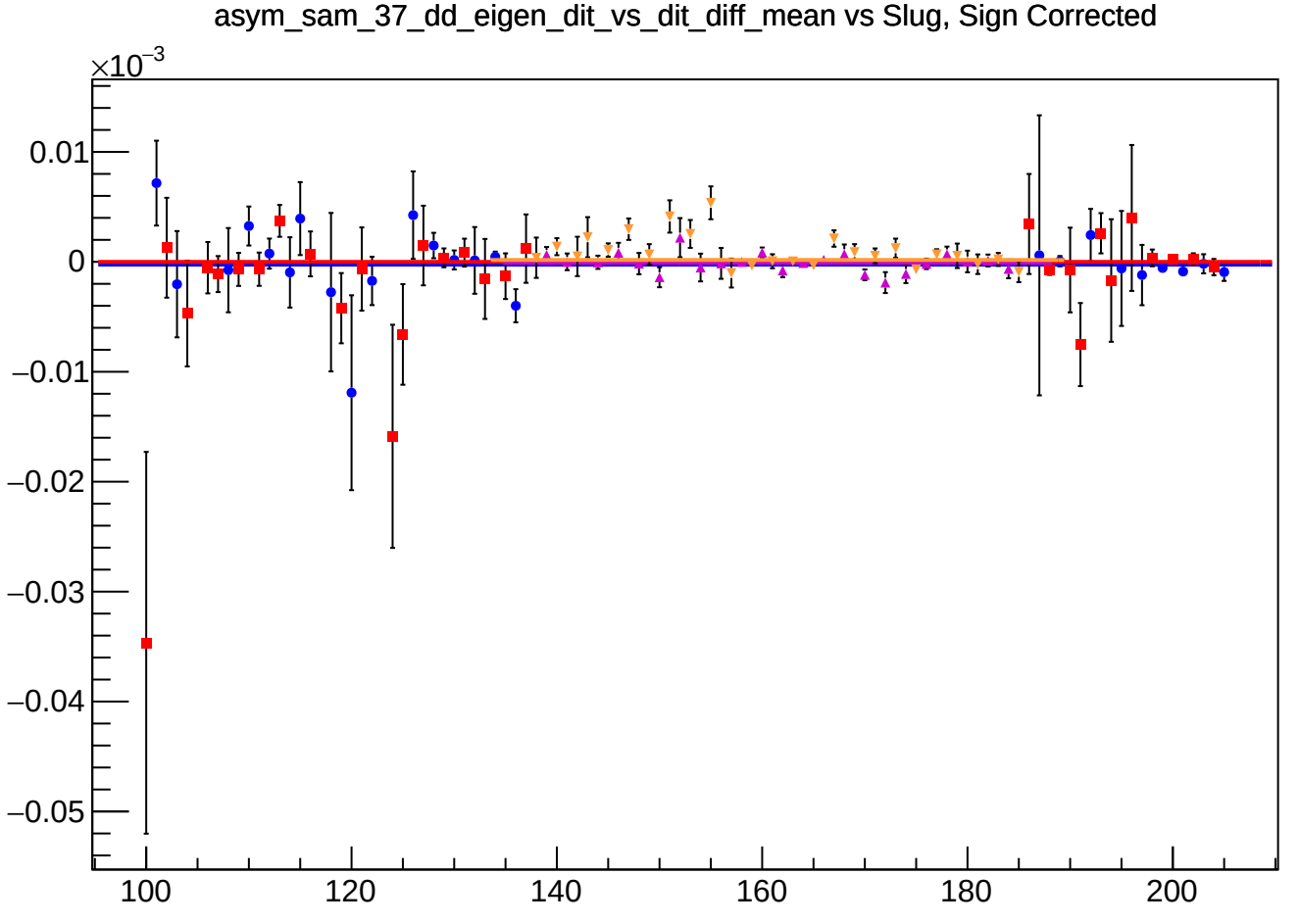
Left: 12.762+/-0.002 χ^2/NDF: 10675886.6/47

Right: 28.351+/-0.004 χ^2/NDF: 7900803.8/54

In: 15.506+/-0.002 χ^2/NDF:11518457.2/47

Out: 14.383+/-0.002 χ^2/NDF:17676781.1/54

All: 14.919+/-0.002 χ^2/NDF: 29311836.0/102



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.2/29

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 88.8/47

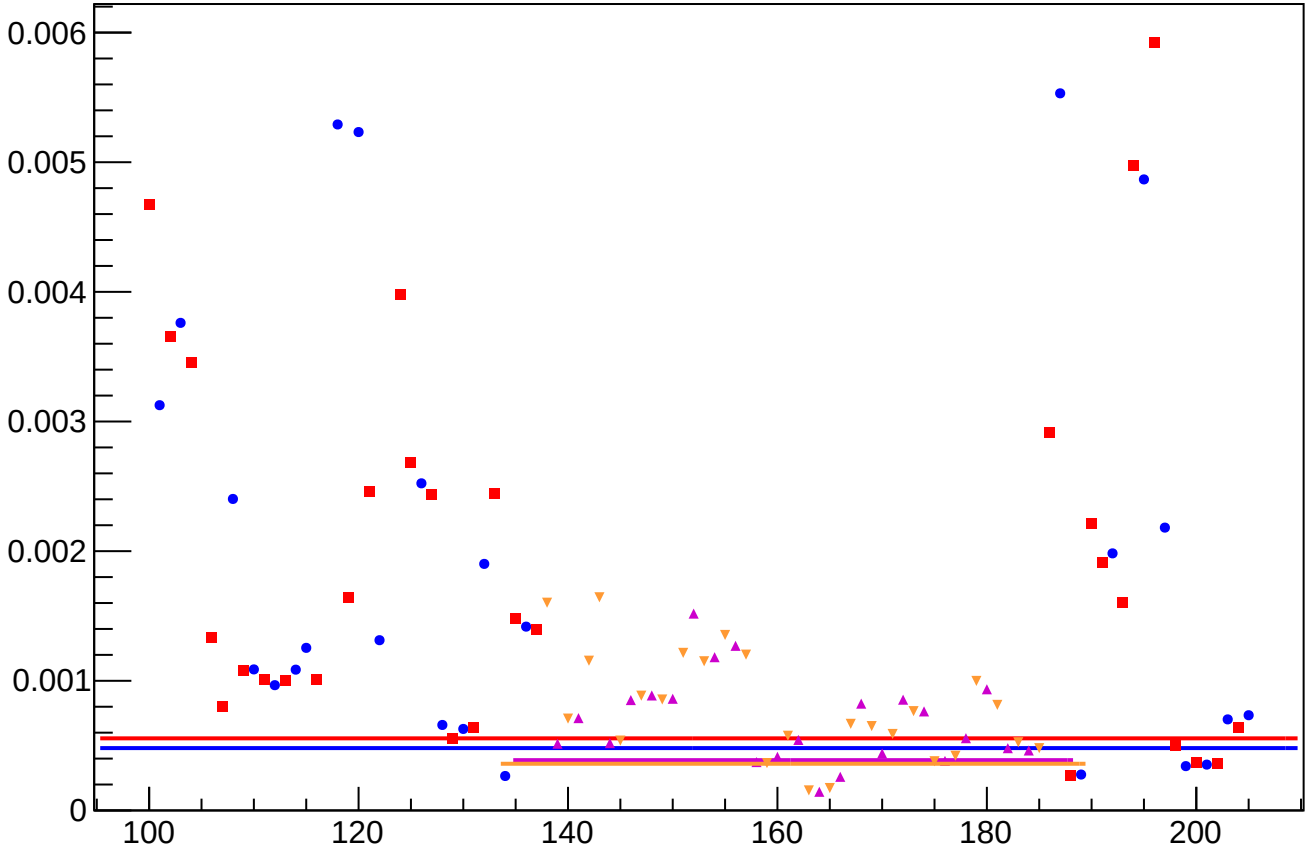
Right: -0.000+/-0.000 χ^2/NDF: 62.4/54

In: -0.000+/-0.000 χ^2/NDF:55.3/47

Out: 0.000+/-0.000 χ^2/NDF:93.3/54

All: 0.000+/-0.000 χ^2/NDF: 152.7/102

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11525754.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11675245.0/29

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

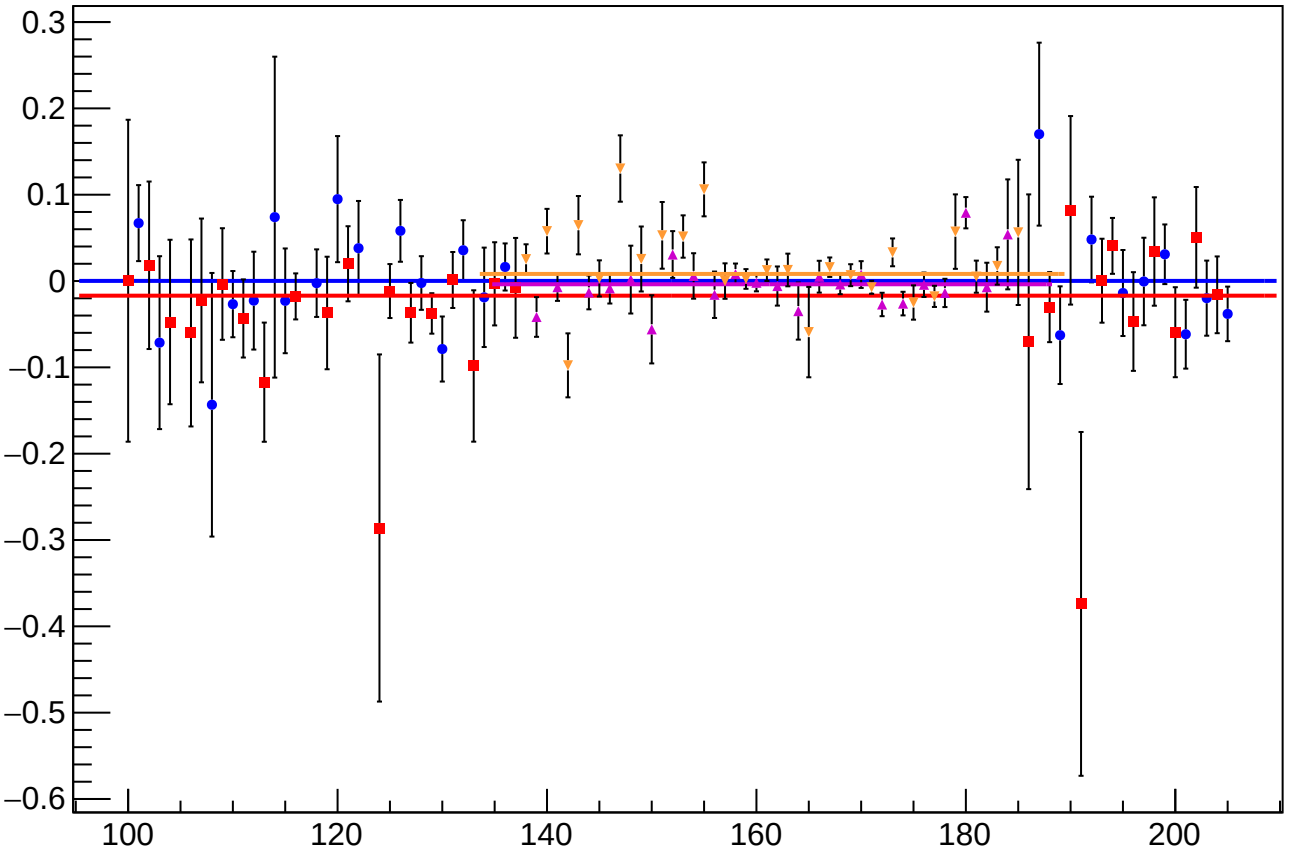
Left: 0.000+/-0.000 χ^2/NDF: 24545127.9/47

Right: 0.001+/-0.000 χ^2/NDF: 23352208.0/54

In: 0.000+/-0.000 χ^2/NDF:22364645.6/47

Out: 0.000+/-0.000 χ^2/NDF:27151360.0/54

All: 0.000+/-0.000 χ^2/NDF: 49534502.9/102



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

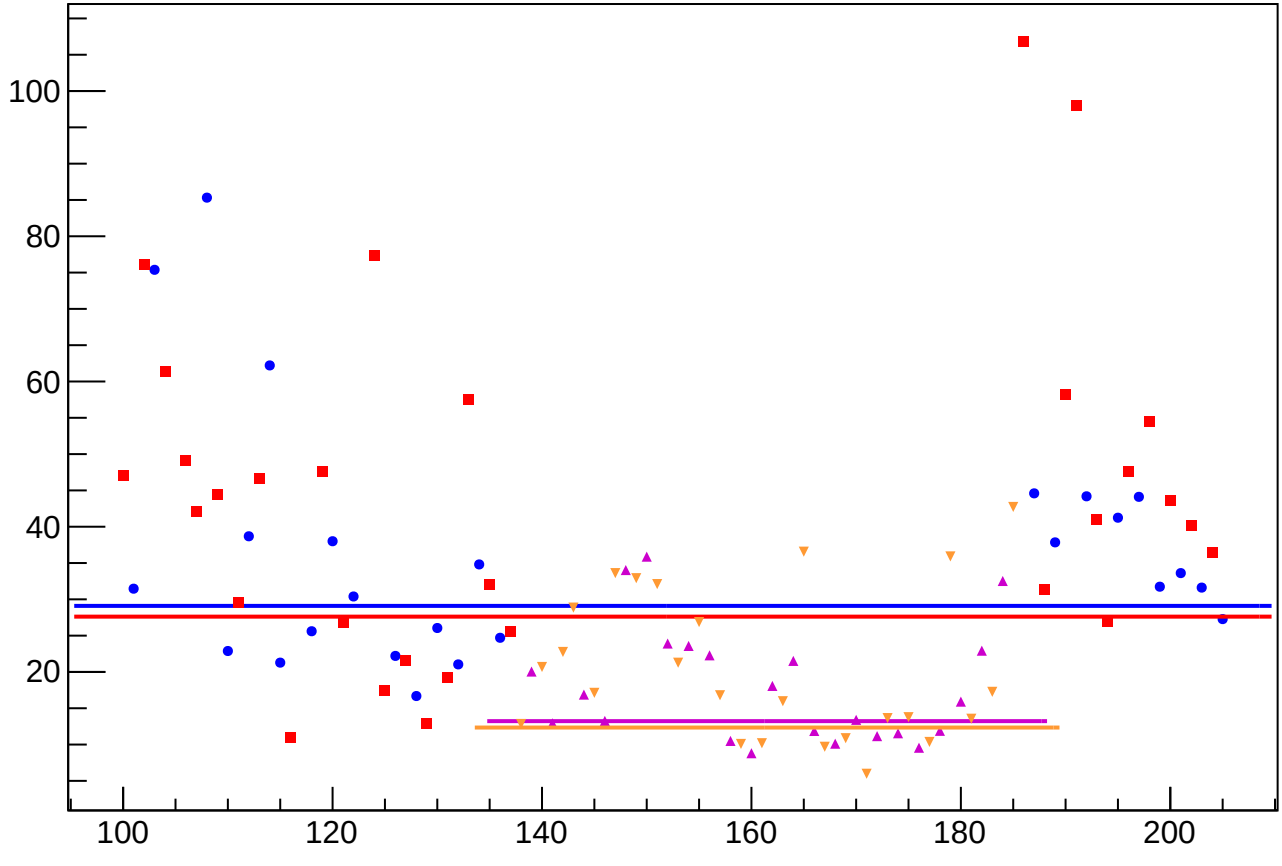
Right: -0.008+/-0.006 χ^2/NDF: 45.3/54

In: -0.003+/-0.003 χ^2/NDF:62.4/47

Out: 0.005+/-0.003 χ^2/NDF:84.3/54

All: 0.001+/-0.002 χ^2/NDF: 149.7/102

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.097+/-0.006 χ^2/NDF: 2163193.3/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709110.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

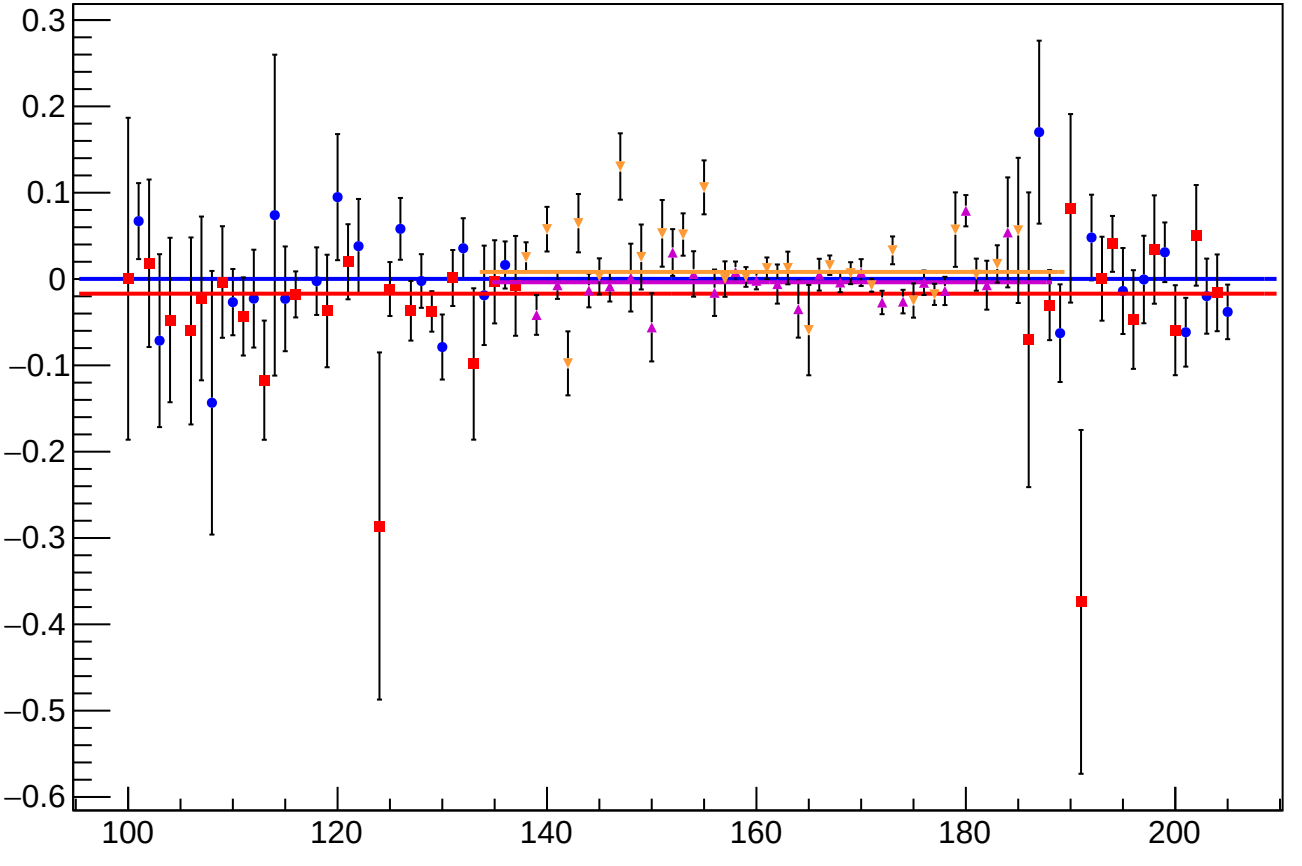
Right: 28.351+/-0.004 χ^2/NDF: 7900381.6/54

In: 15.506+/-0.002 χ^2/NDF:11518642.8/47

Out: 14.383+/-0.002 χ^2/NDF:17676874.8/54

All: 14.920+/-0.002 χ^2/NDF: 29312101.5/102

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: -0.017+/-0.009 χ^2/NDF: 18.4/29

Left In: -0.004+/-0.004 χ^2/NDF:37.2/22

Left: 0.003+/-0.003 χ^2/NDF: 101.7/47

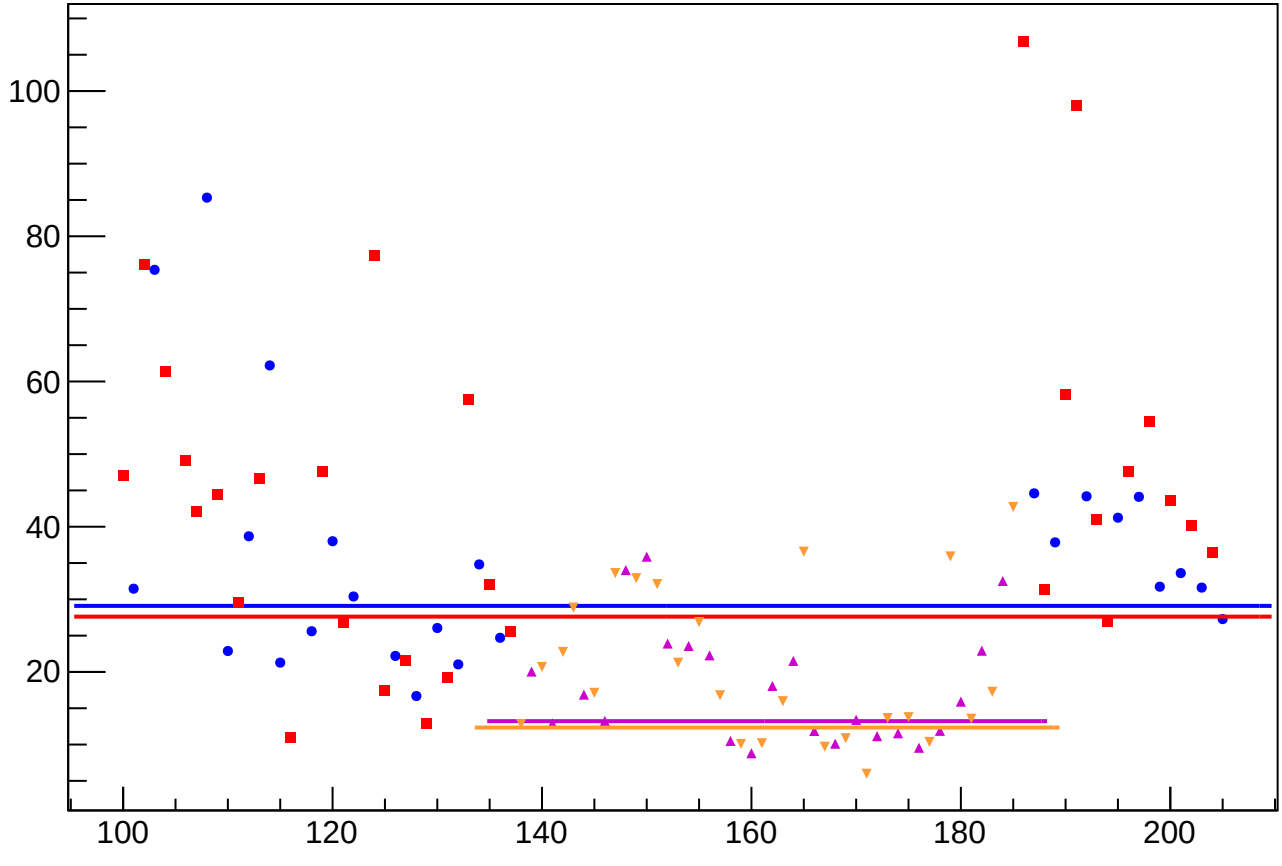
Right: -0.008+/-0.006 χ^2/NDF: 45.3/54

In: -0.003+/-0.003 χ^2/NDF:62.4/47

Out: 0.005+/-0.003 χ^2/NDF:84.3/54

All: 0.001+/-0.002 χ^2/NDF: 149.7/102

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 29.097+/-0.006 χ^2/NDF: 2163193.3/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

Right Out: 27.617+/-0.006 χ^2/NDF: 5709110.5/29

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

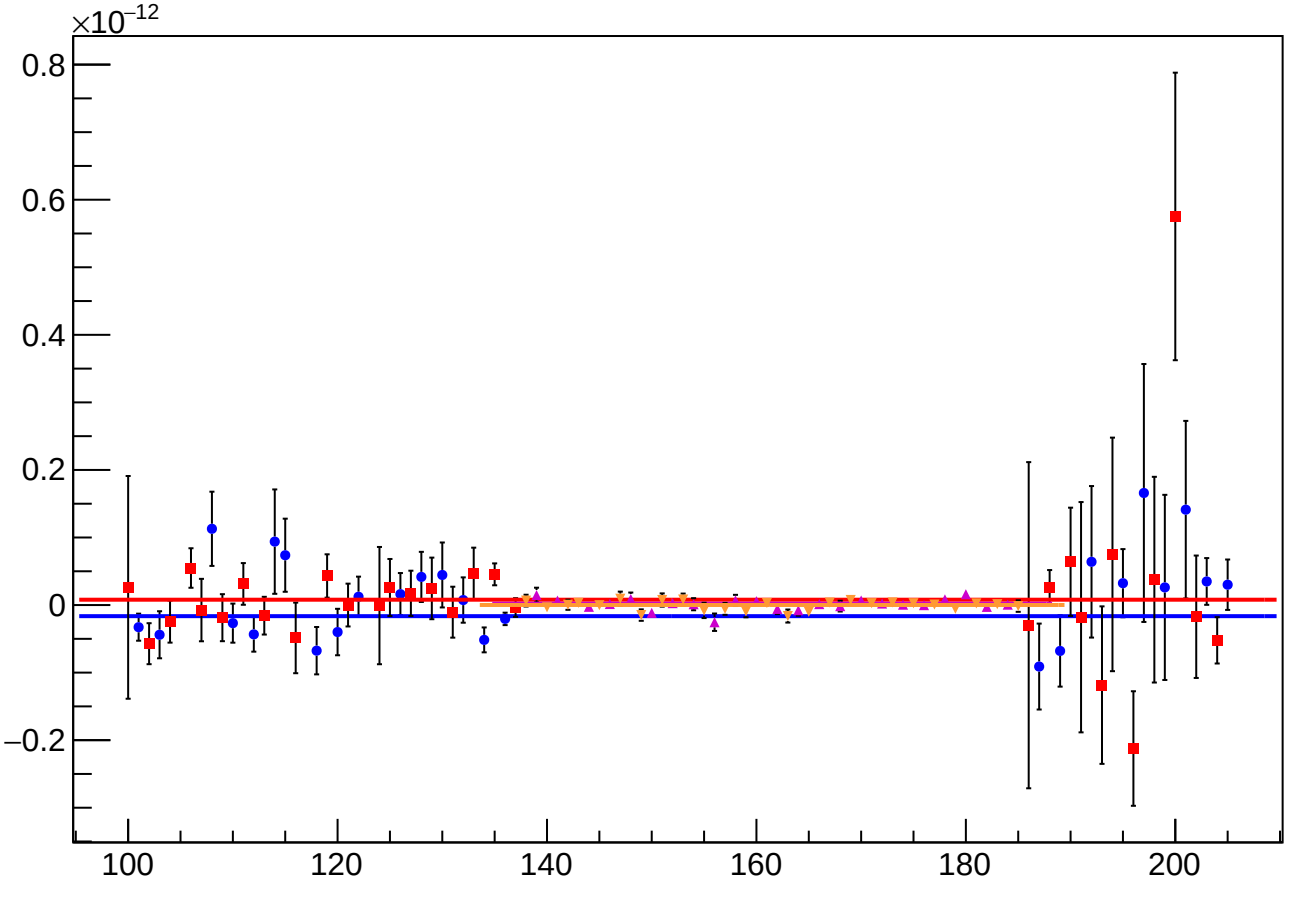
Left: 12.762+/-0.002 χ^2/NDF: 10676265.0/47

Right: 28.351+/-0.004 χ^2/NDF: 7900381.6/54

In: 15.506+/-0.002 χ^2/NDF:11518642.8/47

Out: 14.383+/-0.002 χ^2/NDF:17676874.8/54

All: 14.920+/-0.002 χ^2/NDF: 29312101.5/102



Right In: -0.000+/-0.000 χ^2/NDF: 35.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.8/29

Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

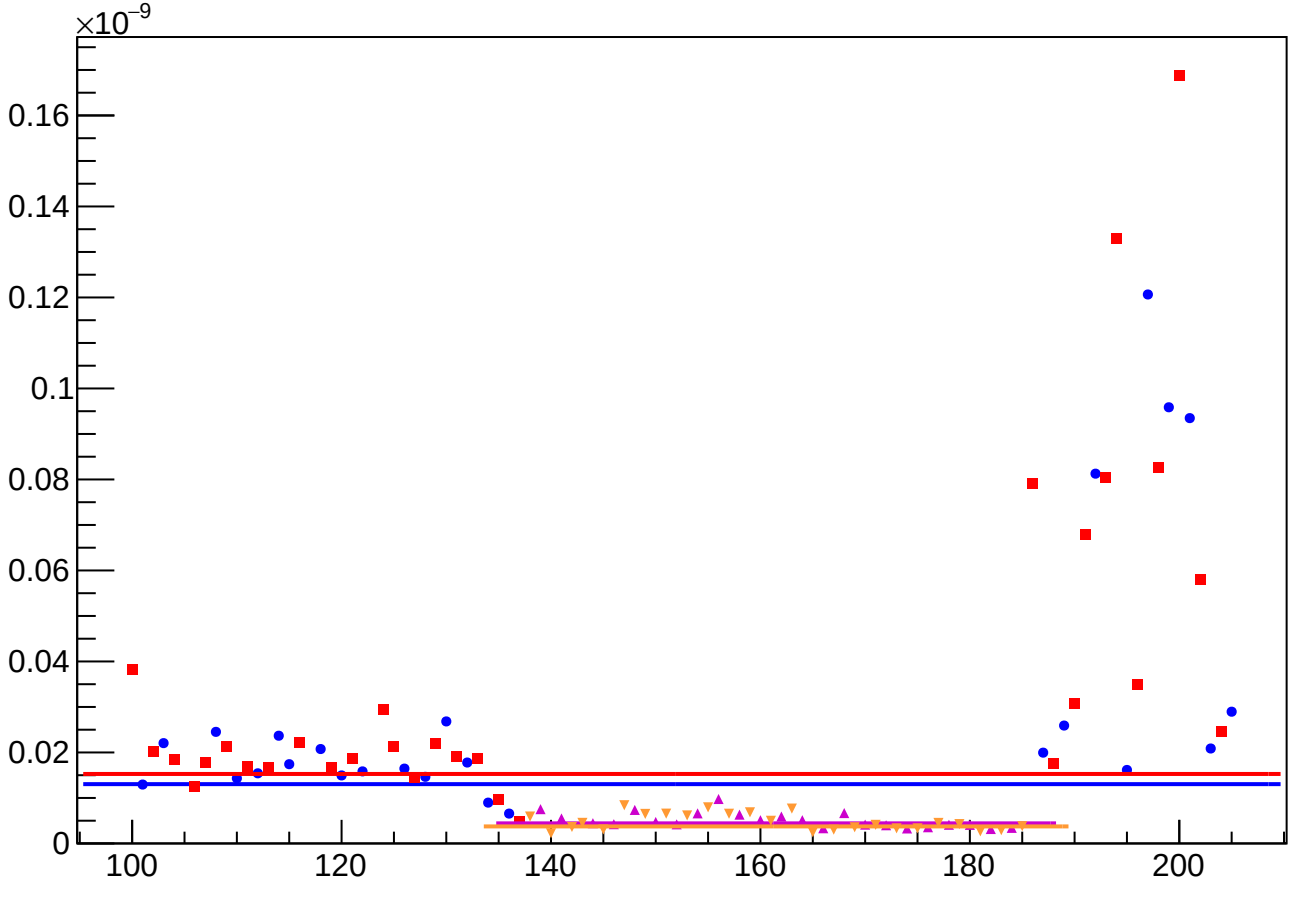
Left: 0.000+/-0.000 χ^2/NDF: 48.0/47

Right: -0.000+/-0.000 χ^2/NDF: 83.8/54

In: 0.000+/-0.000 χ^2/NDF:71.0/47

Out: 0.000+/-0.000 χ^2/NDF:62.8/54

All: 0.000+/-0.000 χ^2/NDF: 133.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 5206020.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5925048.1/29

Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

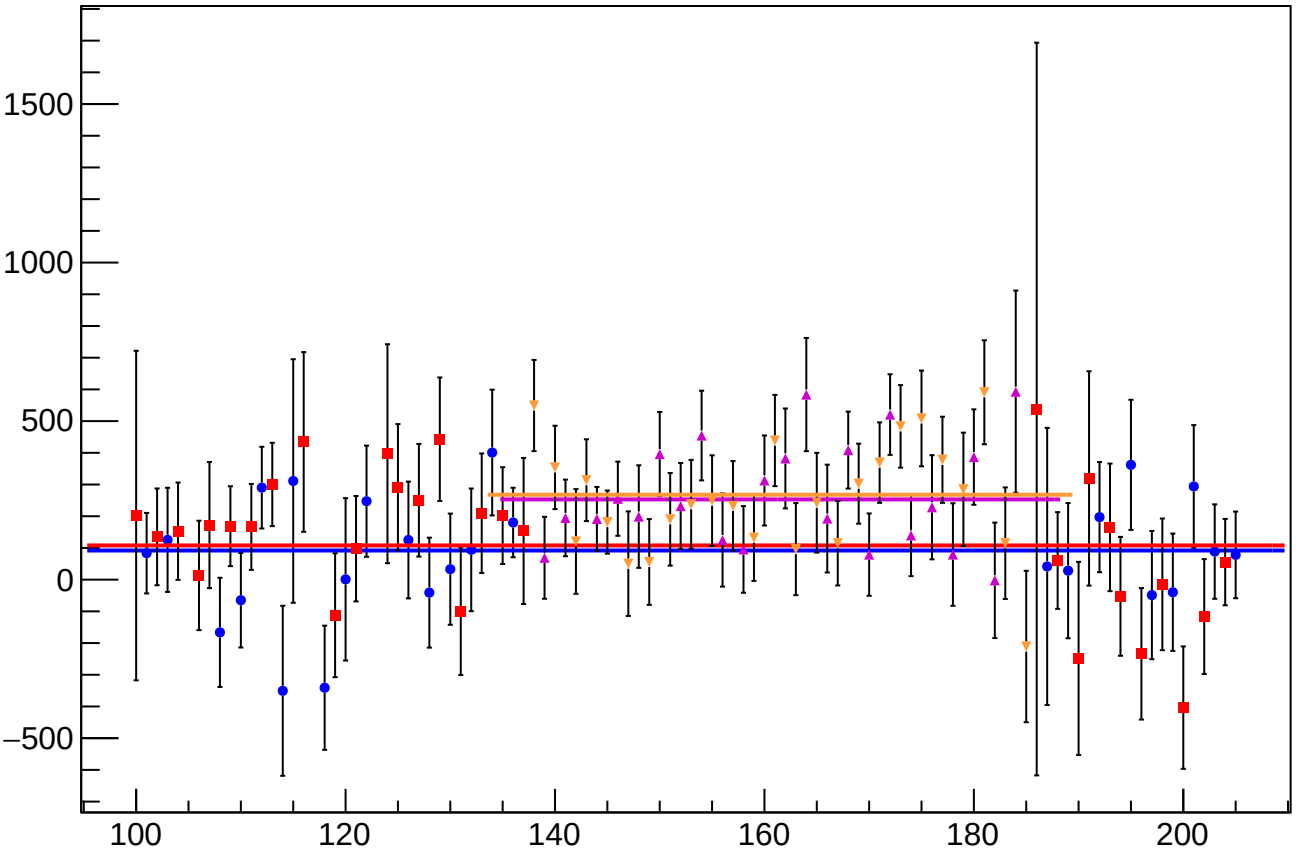
Left: 0.000+/-0.000 χ^2/NDF: 5111609.7/47

Right: 0.000+/-0.000 χ^2/NDF: 11267241.5/54

In: 0.000+/-0.000 χ^2/NDF:11215633.5/47

Out: 0.000+/-0.000 χ^2/NDF:15382082.8/54

All: 0.000+/-0.000 χ^2/NDF: 26957583.9/102



Right In: 91.909+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: 107.853+/-33.739 χ^2/NDF: 27.2/29

Left In: 253.048+/-29.313 χ^2/NDF:26.2/22

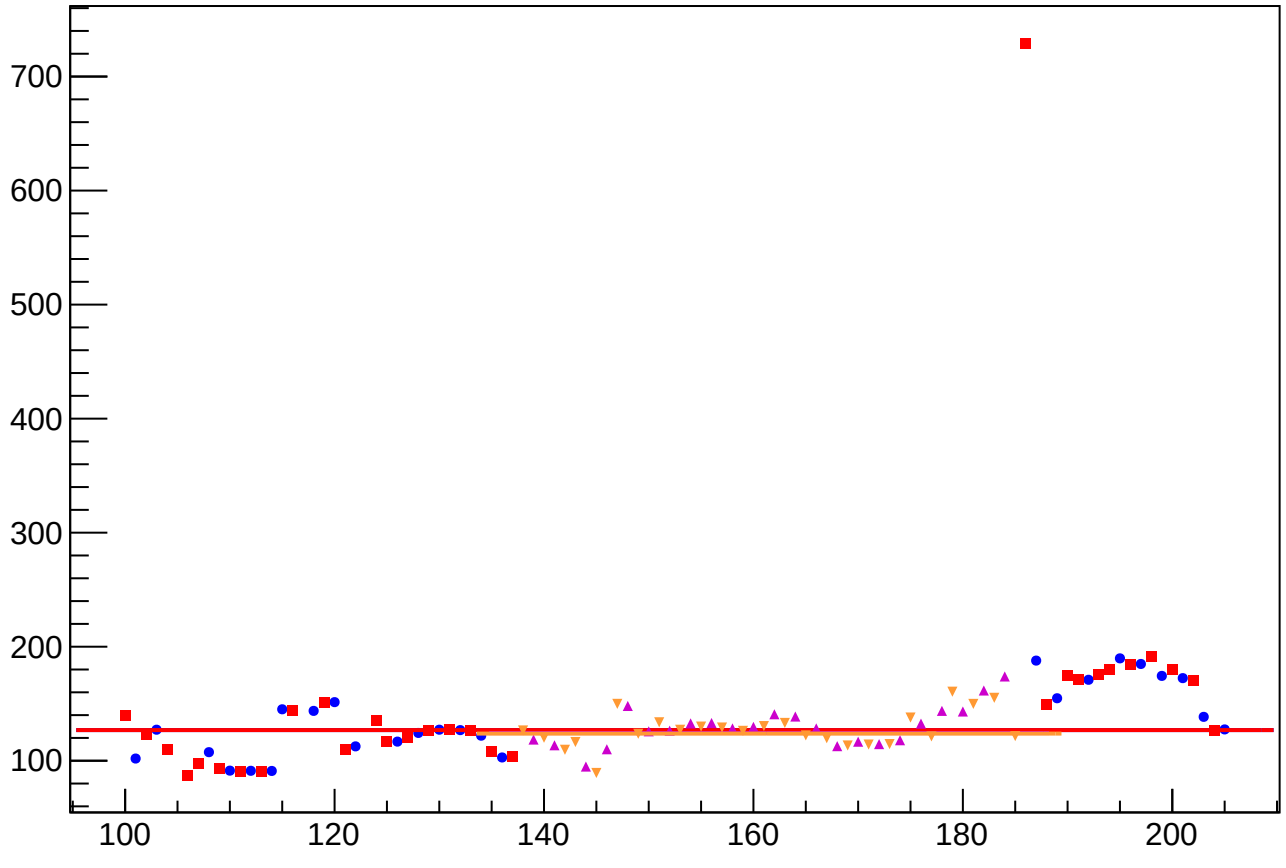
Left: 260.646+/-20.400 χ^2/NDF: 57.3/47

Right: 100.124+/-24.218 χ^2/NDF: 50.0/54

In: 186.133+/-22.415 χ^2/NDF:61.4/47

Out: 201.437+/-21.730 χ^2/NDF:71.4/54

All: 194.022+/-15.602 χ^2/NDF: 133.1/102



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.880+/-0.024 χ^2/NDF: 2304493.0/29

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

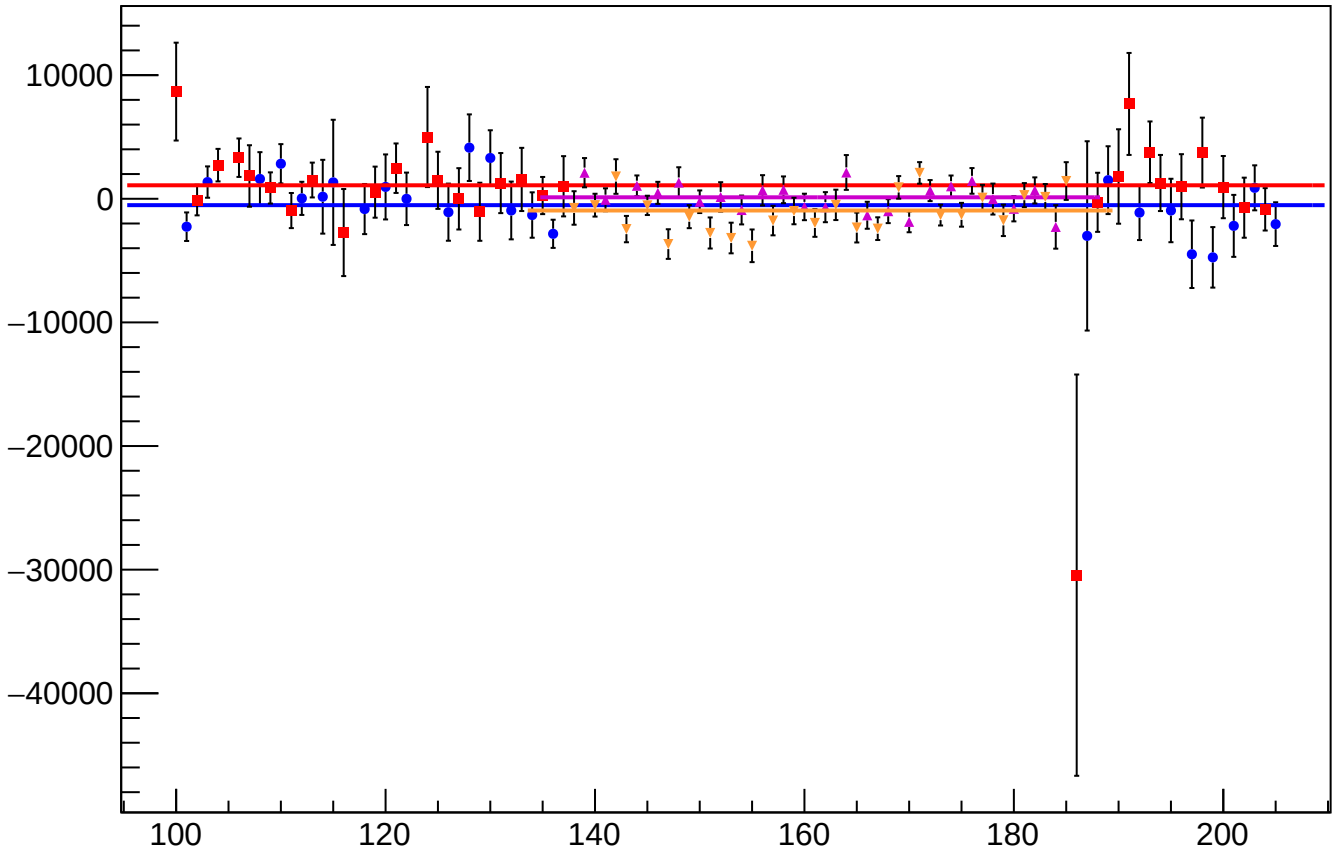
Left: 124.026+/-0.014 χ^2/NDF: 1155903.7/47

Right: 126.885+/-0.017 χ^2/NDF: 3674272.6/54

In: 125.351+/-0.016 χ^2/NDF:1933684.2/47

Out: 125.082+/-0.015 χ^2/NDF:2912643.6/54

All: 125.212+/-0.011 χ^2/NDF: 4846476.6/102



Right In: -516.607+/-387.464 χ^2/NDF: 28.5/24

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: 1090.432+/-373.036 χ^2/NDF: 25.1/29

Left In: 118.433+/-217.165 χ^2/NDF:24.4/22

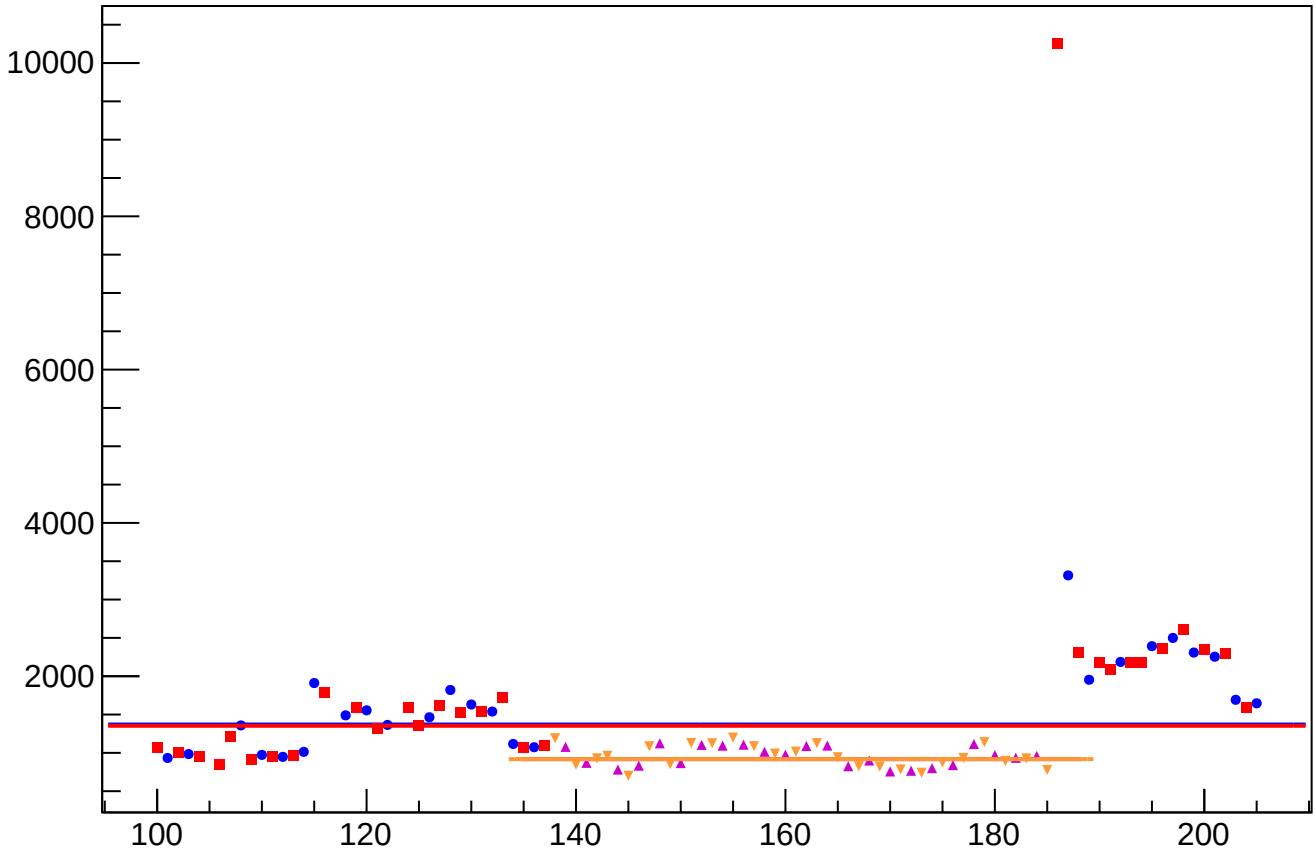
Left: -427.993+/-151.624 χ^2/NDF: 87.0/47

Right: 317.391+/-268.732 χ^2/NDF: 62.6/54

In: -33.370+/-189.439 χ^2/NDF:55.0/47

Out: -450.882+/-184.179 χ^2/NDF:97.9/54

All: -248.003+/-132.055 χ^2/NDF: 155.4/102



Right In: 1369.852+/-0.274 χ^2/NDF: 2937967.2/24

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1353.691+/-0.264 χ^2/NDF: 4290285.4/29

Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

Left: 918.361+/-0.107 χ^2/NDF: 1554084.1/47

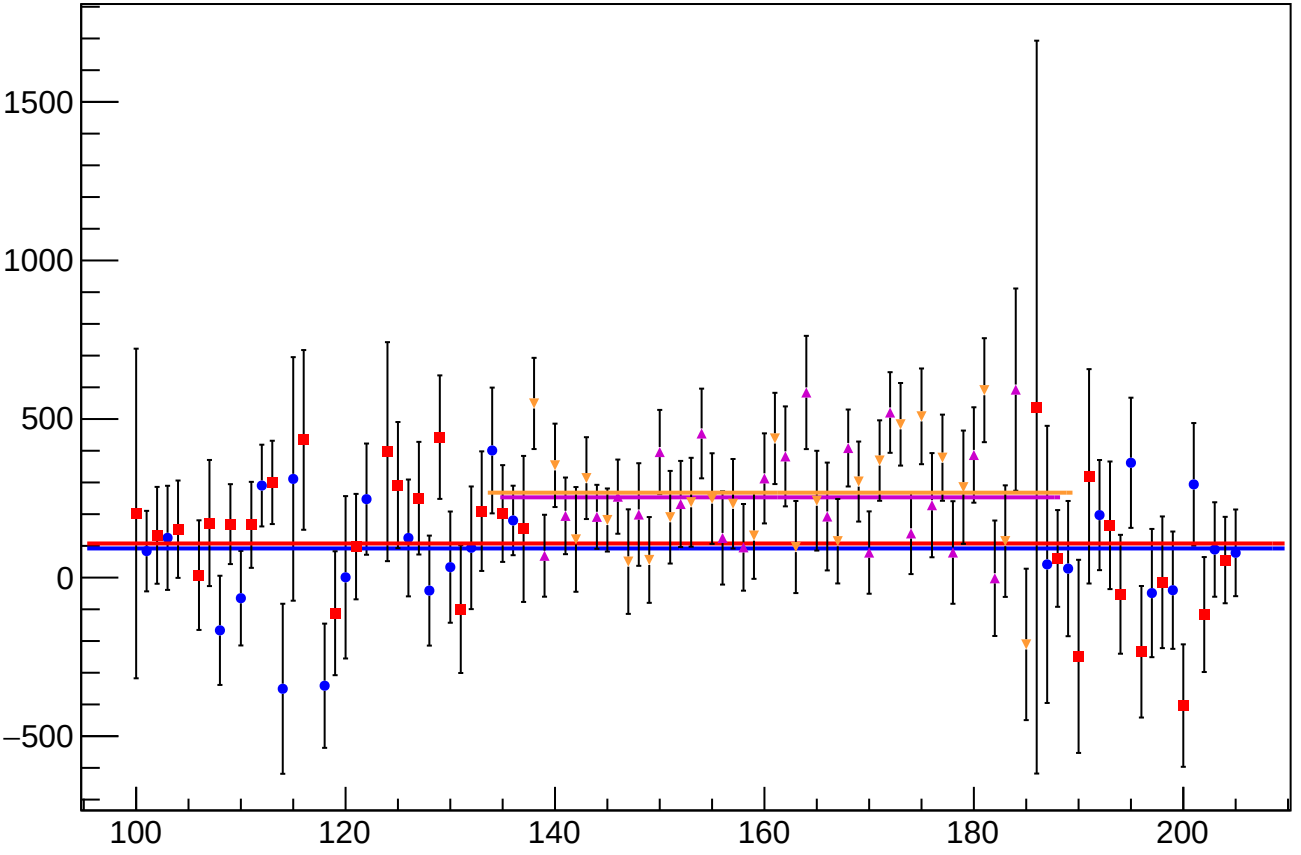
Right: 1361.465+/-0.190 χ^2/NDF: 7230058.2/54

In: 1026.175+/-0.134 χ^2/NDF:5672019.0/47

Out: 1024.587+/-0.130 χ^2/NDF:7236559.2/54

All: 1025.359+/-0.093 χ^2/NDF: 12908650.5/1

cor_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 91.898+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 107.576+/-33.742 χ^2/NDF: 27.2/29

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

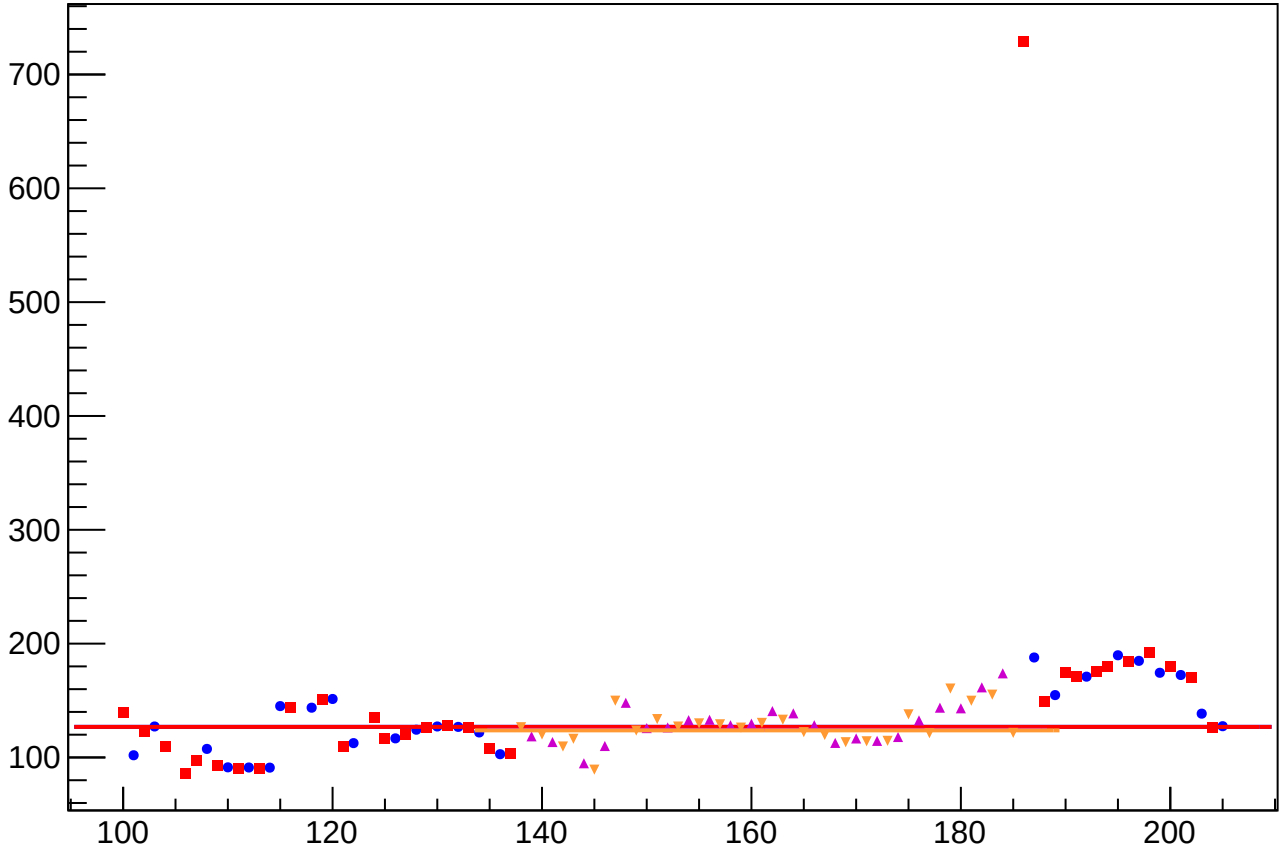
Right: 99.975+/-24.219 χ^2/NDF: 50.1/54

In: 186.131+/-22.415 χ^2/NDF:61.4/47

Out: 201.335+/-21.731 χ^2/NDF:71.4/54

All: 193.968+/-15.603 χ^2/NDF: 133.1/102

cor_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.845+/-0.024 χ^2/NDF: 2310265.3/29

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

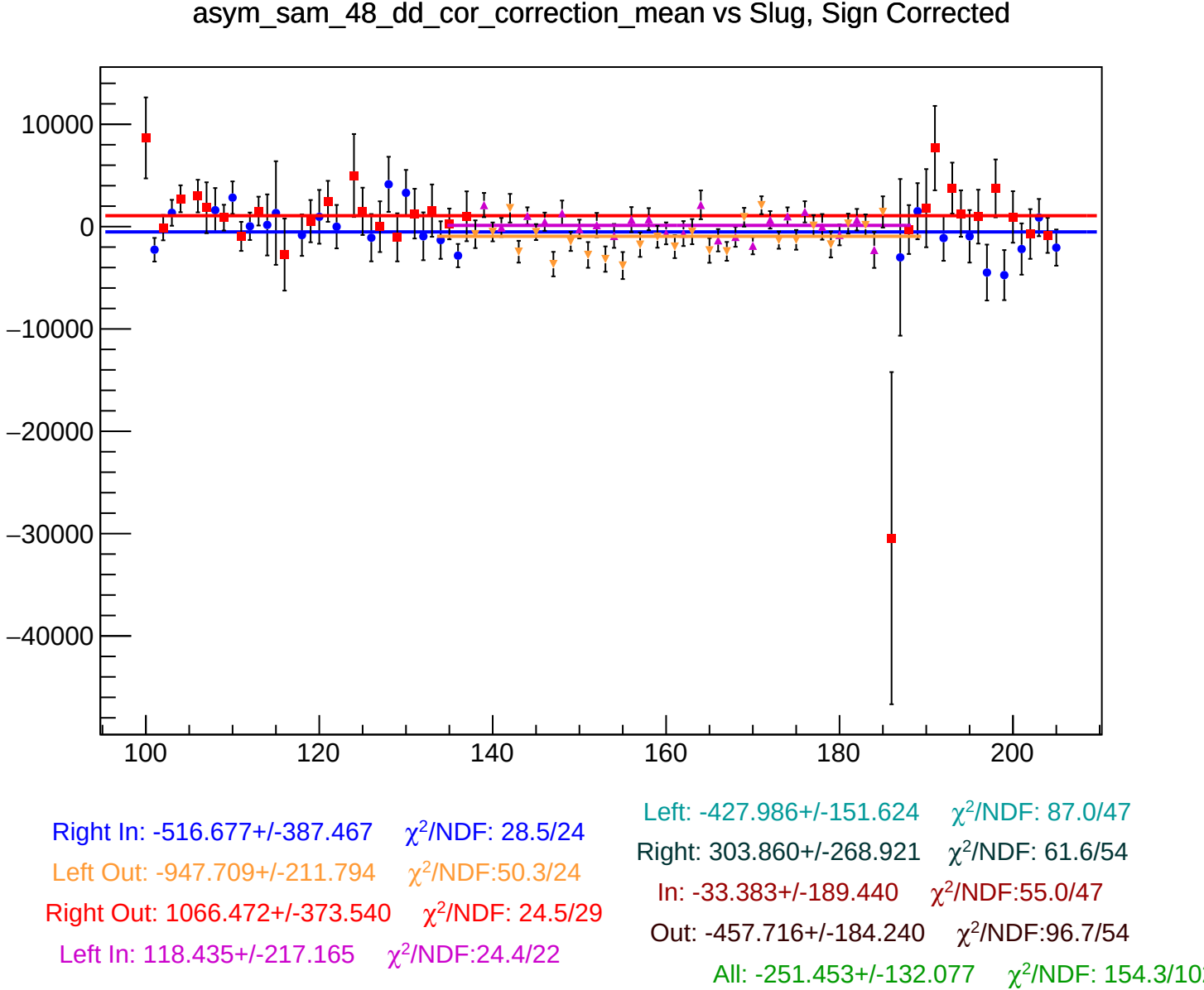
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

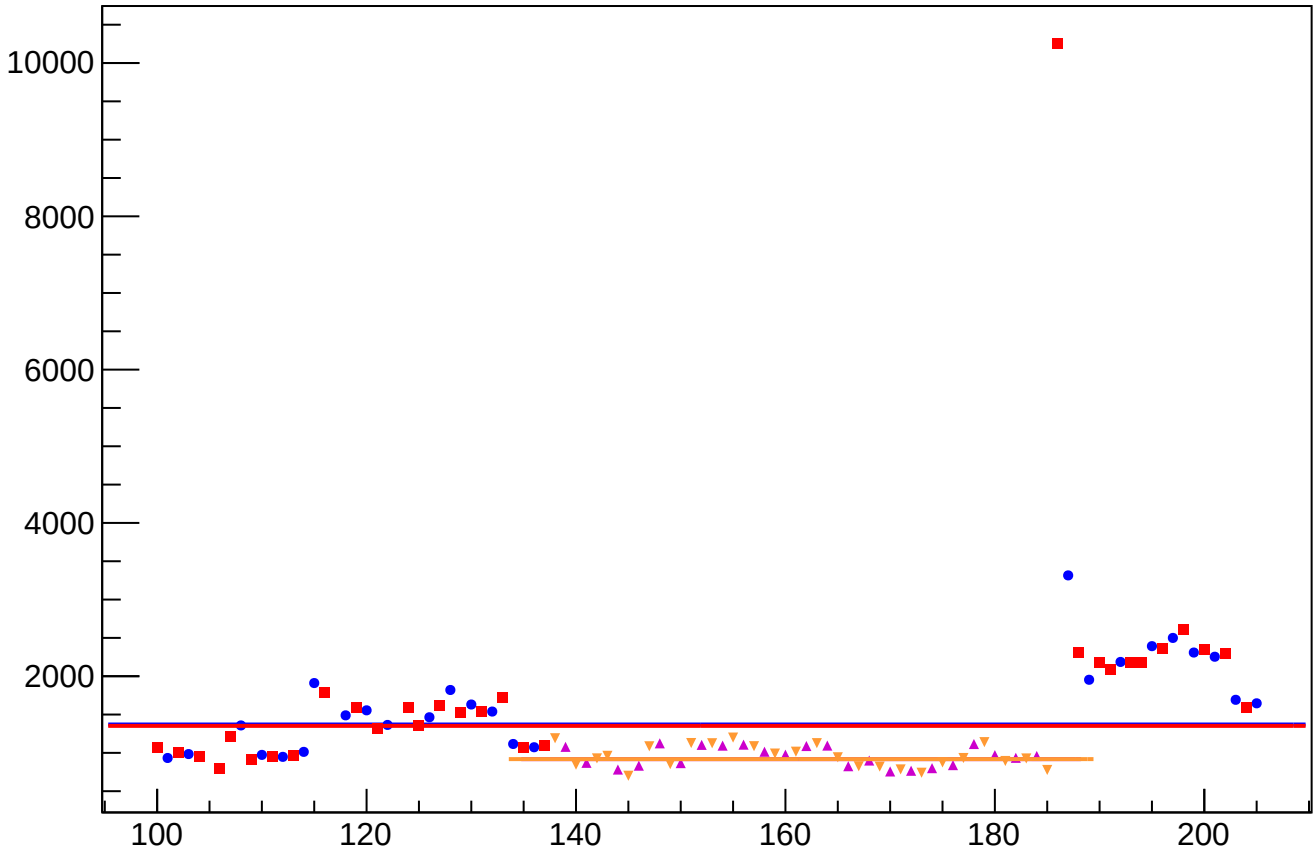
Right: 126.866+/-0.017 χ^2/NDF: 3680046.6/54

In: 125.351+/-0.016 χ^2/NDF:1933684.4/47

Out: 125.067+/-0.015 χ^2/NDF:2918192.8/54

All: 125.205+/-0.011 χ^2/NDF: 4852042.8/102


asym_sam_48_dd_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -516.677+/-387.467 χ²/NDF: 28.5/24
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1066.472+/-373.540 χ²/NDF: 24.5/29
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 303.860+/-268.921 χ²/NDF: 61.6/54
In: -33.383+/-189.440 χ²/NDF:55.0/47
Out: -457.716+/-184.240 χ²/NDF:96.7/54
All: -251.453+/-132.077 χ²/NDF: 154.3/102



Right In: 1369.861+/-0.274 χ^2/NDF: 2937890.0/24

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1352.301+/-0.264 χ^2/NDF: 4322541.2/29

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

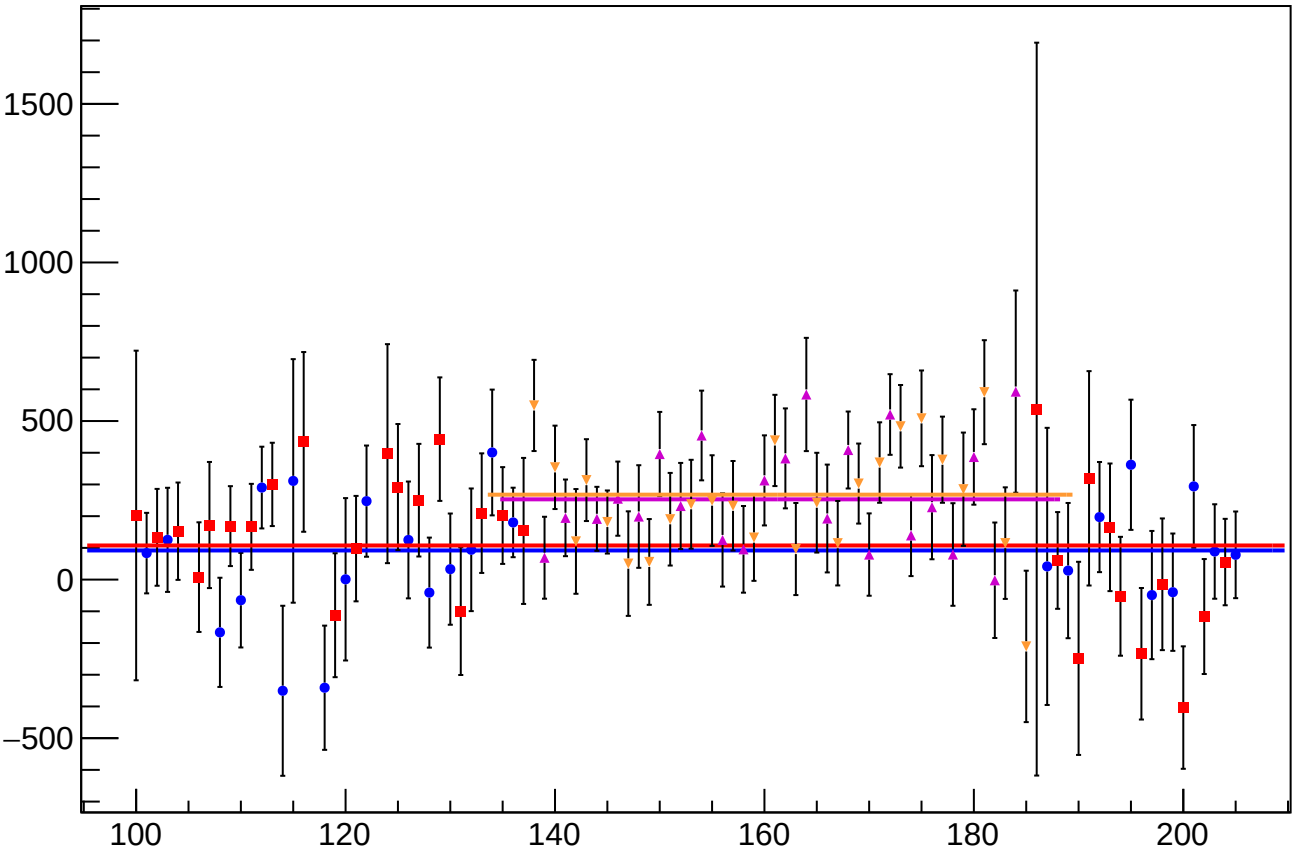
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1360.760+/-0.190 χ^2/NDF: 7262560.3/54

In: 1026.177+/-0.134 χ^2/NDF:5672012.8/47

Out: 1024.033+/-0.130 χ^2/NDF:7251511.6/54

All: 1025.075+/-0.093 χ^2/NDF: 12923656.0/1



Right In: 91.898+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: 107.576+/-33.742 χ^2/NDF: 27.2/29

Left In: 253.051+/-29.313 χ^2/NDF:26.2/22

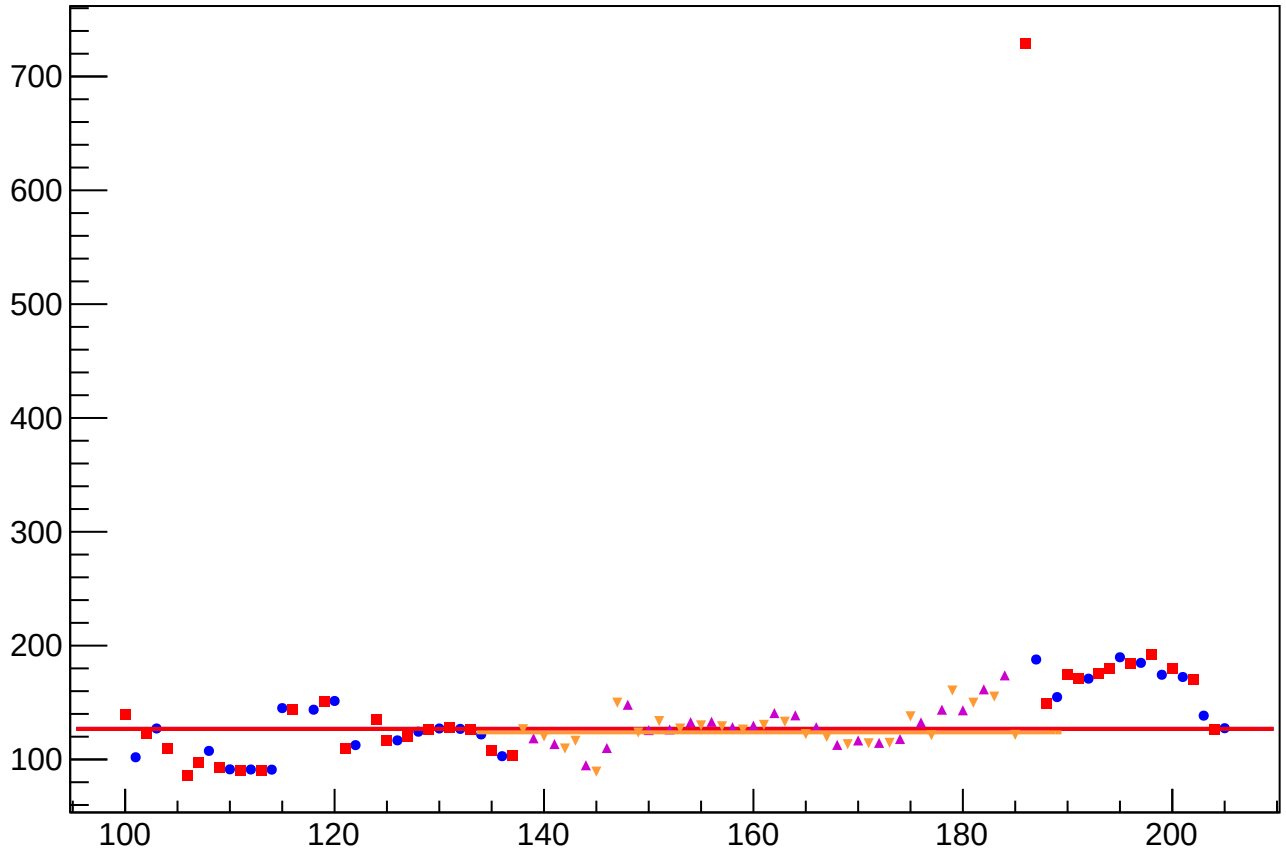
Left: 260.652+/-20.400 χ^2/NDF: 57.3/47

Right: 99.975+/-24.219 χ^2/NDF: 50.1/54

In: 186.131+/-22.415 χ^2/NDF:61.4/47

Out: 201.335+/-21.731 χ^2/NDF:71.4/54

All: 193.968+/-15.603 χ^2/NDF: 133.1/102



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 126.845+/-0.024 χ^2/NDF: 2310265.3/29

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

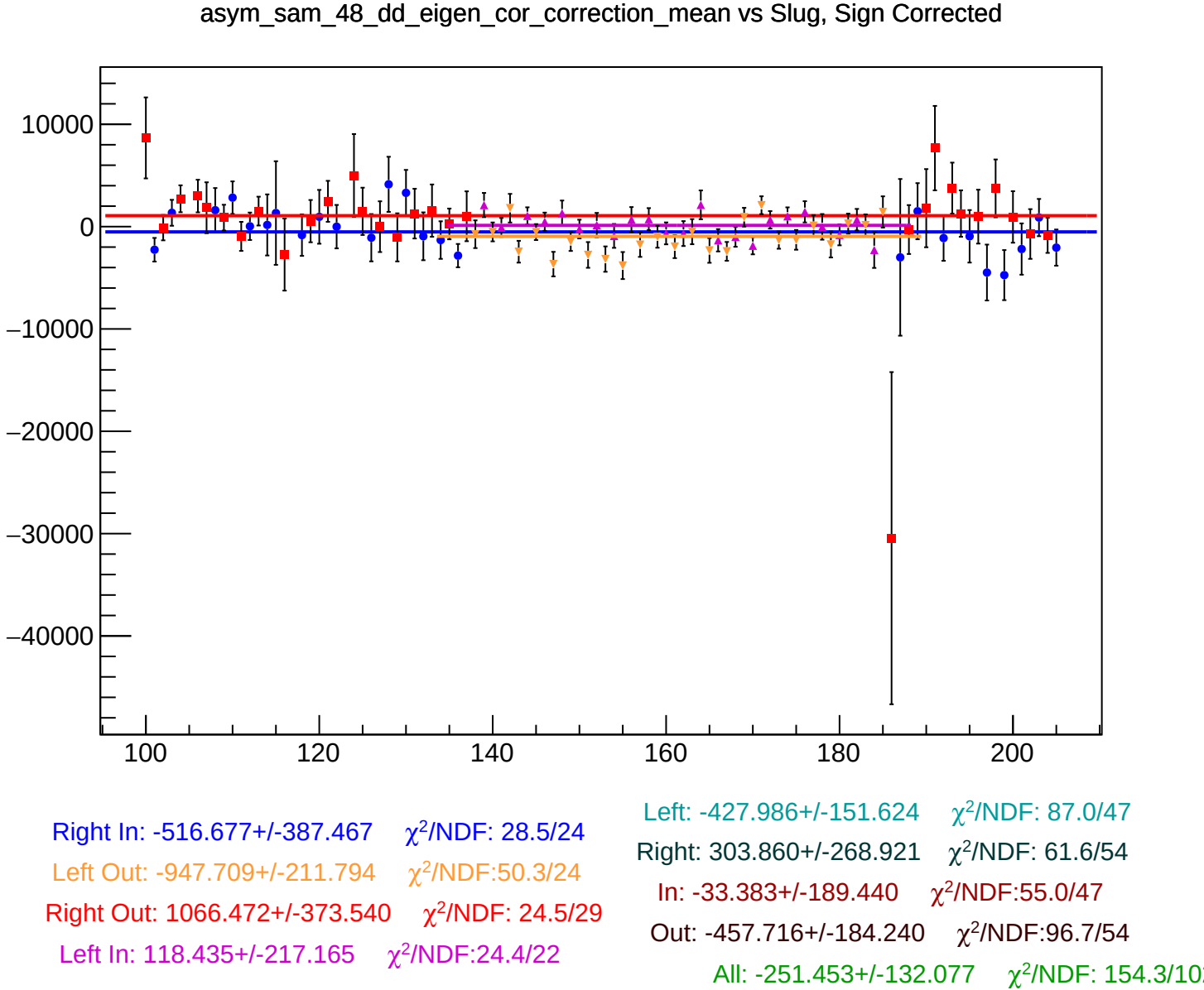
Left: 124.026+/-0.014 χ^2/NDF: 1155903.8/47

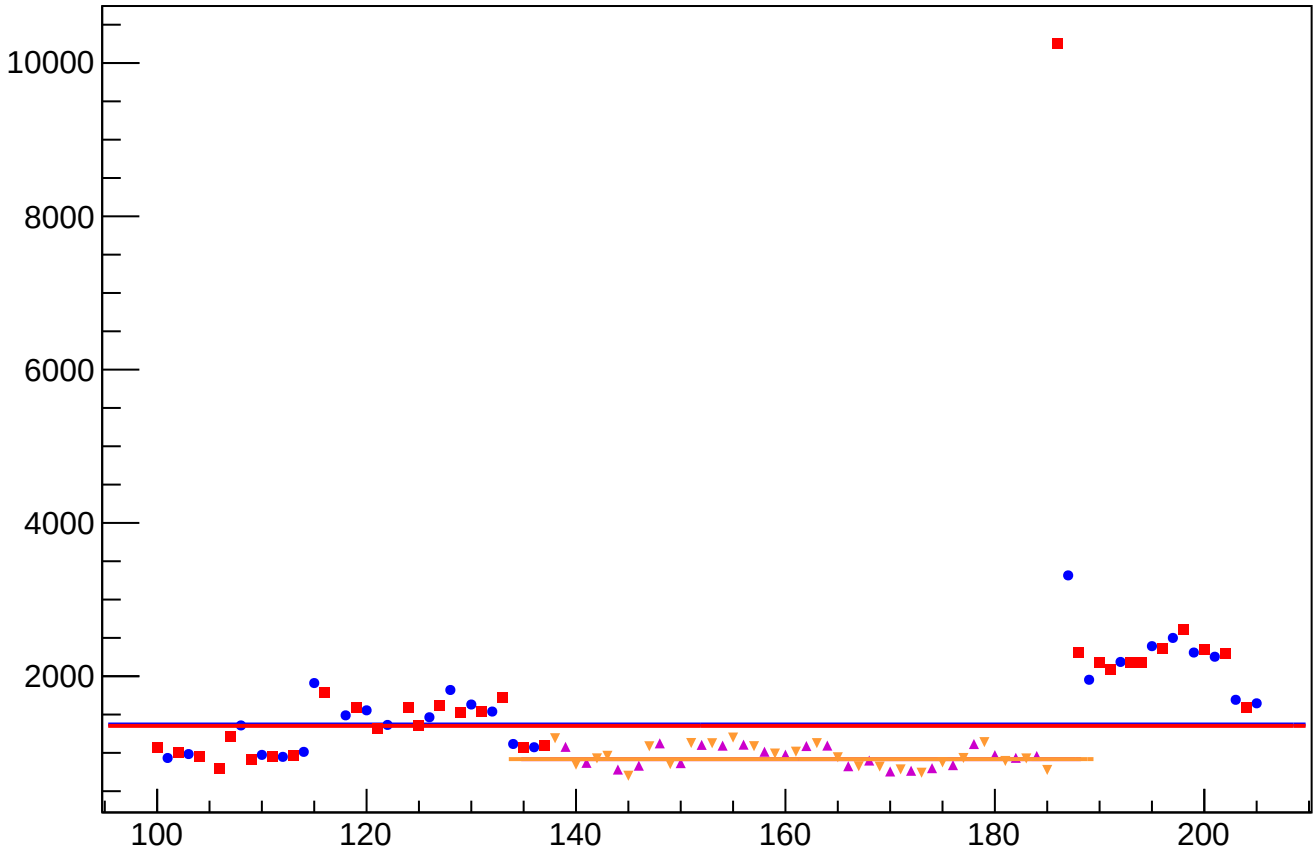
Right: 126.866+/-0.017 χ^2/NDF: 3680046.6/54

In: 125.351+/-0.016 χ^2/NDF:1933684.4/47

Out: 125.067+/-0.015 χ^2/NDF:2918192.8/54

All: 125.205+/-0.011 χ^2/NDF: 4852042.8/102


asym_sam_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: -516.677+/-387.467 χ²/NDF: 28.5/24
Left Out: -947.709+/-211.794 χ²/NDF:50.3/24
Right Out: 1066.472+/-373.540 χ²/NDF: 24.5/29
Left In: 118.435+/-217.165 χ²/NDF:24.4/22
Left: -427.986+/-151.624 χ²/NDF: 87.0/47
Right: 303.860+/-268.921 χ²/NDF: 61.6/54
In: -33.383+/-189.440 χ²/NDF:55.0/47
Out: -457.716+/-184.240 χ²/NDF:96.7/54
All: -251.453+/-132.077 χ²/NDF: 154.3/102



Right In: 1369.861+/-0.274 χ^2/NDF: 2937890.0/24

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1352.301+/-0.264 χ^2/NDF: 4322541.2/29

Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

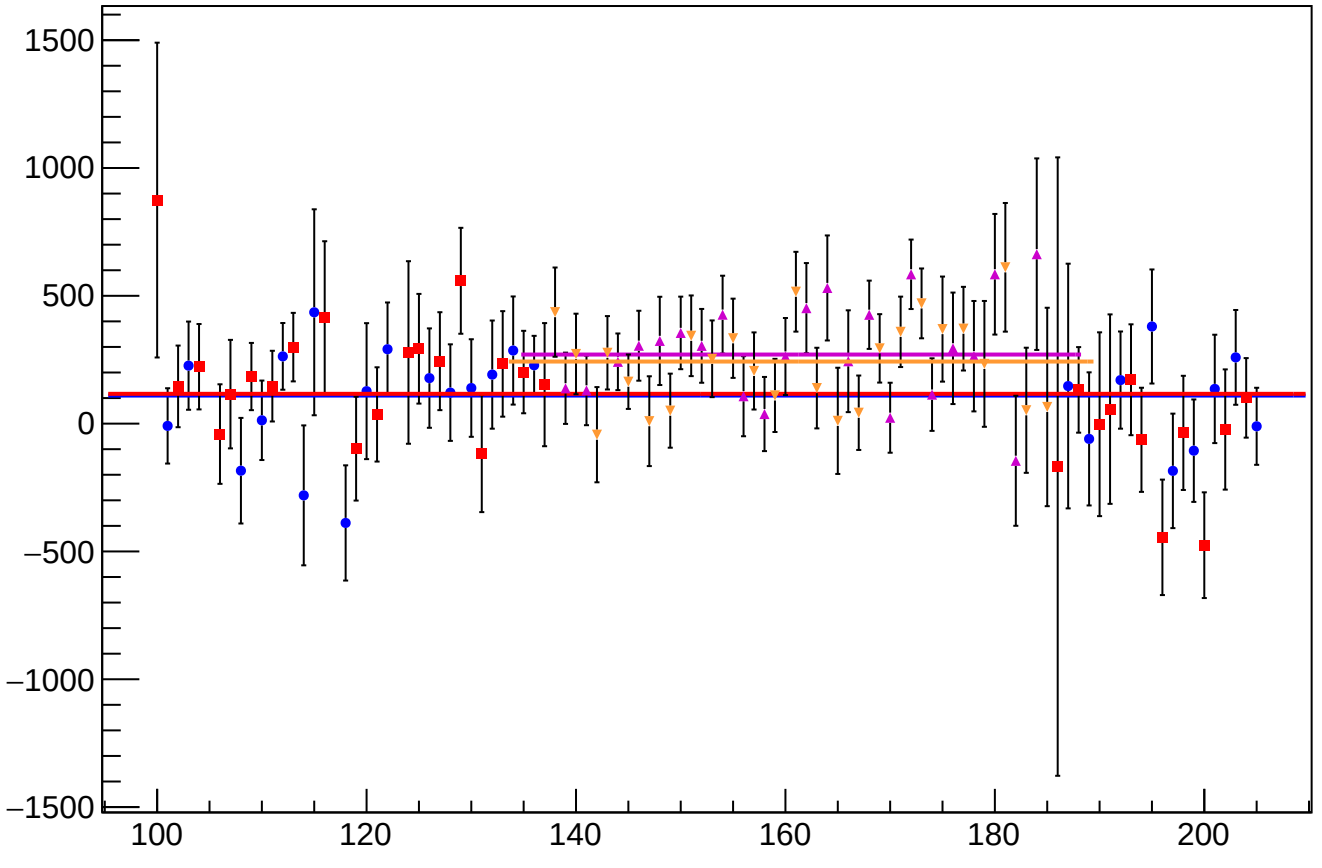
Left: 918.361+/-0.107 χ^2/NDF: 1554084.7/47

Right: 1360.760+/-0.190 χ^2/NDF: 7262560.3/54

In: 1026.177+/-0.134 χ^2/NDF:5672012.8/47

Out: 1024.033+/-0.130 χ^2/NDF:7251511.6/54

All: 1025.075+/-0.093 χ^2/NDF: 12923656.0/1



Right In: 109.845+/-37.912 χ^2/NDF: 21.7/24

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: 116.586+/-36.407 χ^2/NDF: 30.9/29

Left In: 270.243+/-32.893 χ^2/NDF:26.7/22

Left: 256.249+/-22.987 χ^2/NDF: 50.7/47

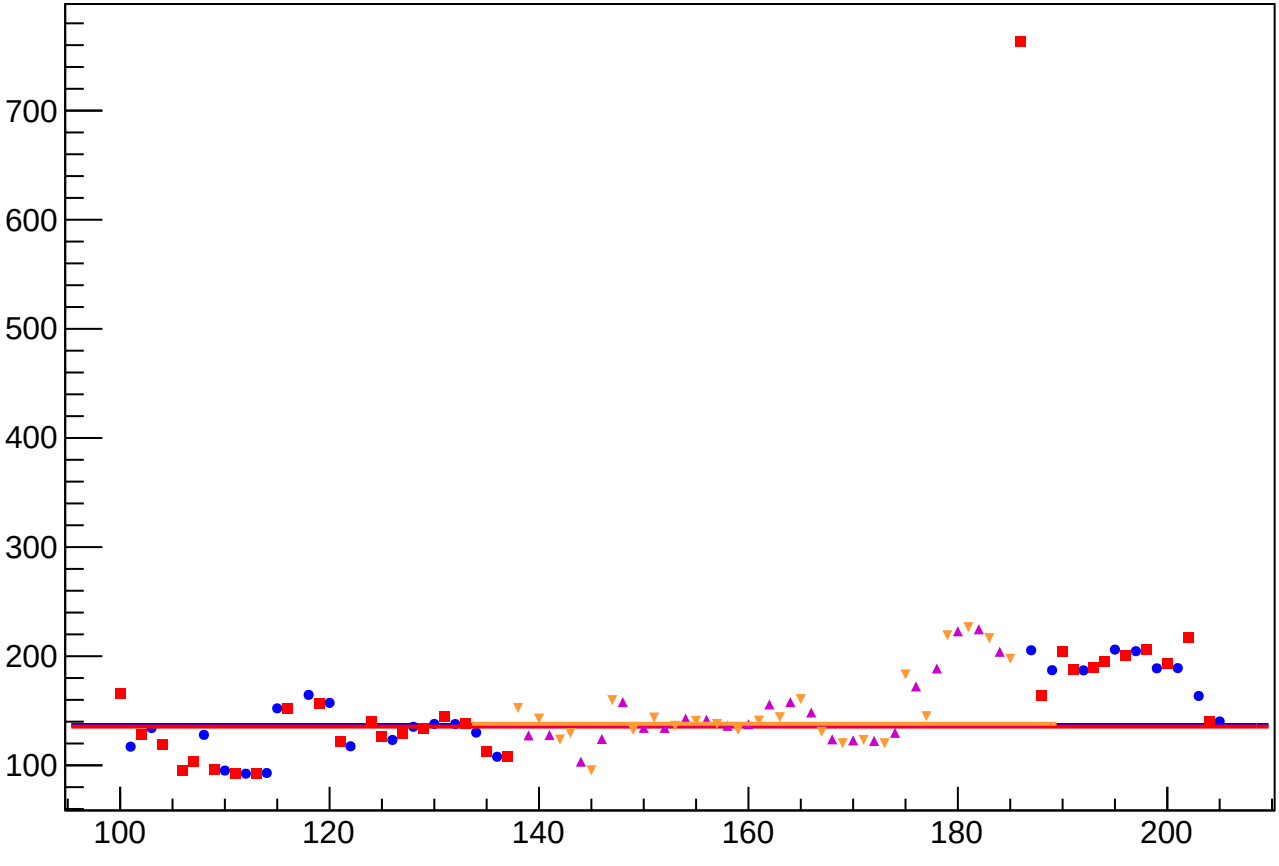
Right: 113.352+/-26.259 χ^2/NDF: 52.6/54

In: 201.356+/-24.845 χ^2/NDF:58.6/47

Out: 187.572+/-24.094 χ^2/NDF:61.3/54

All: 194.253+/-17.296 χ^2/NDF: 120.1/102

dit_asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 136.957+/-0.027 χ^2/NDF: 1604152.9/24

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 135.497+/-0.026 χ^2/NDF: 2620592.3/29

Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

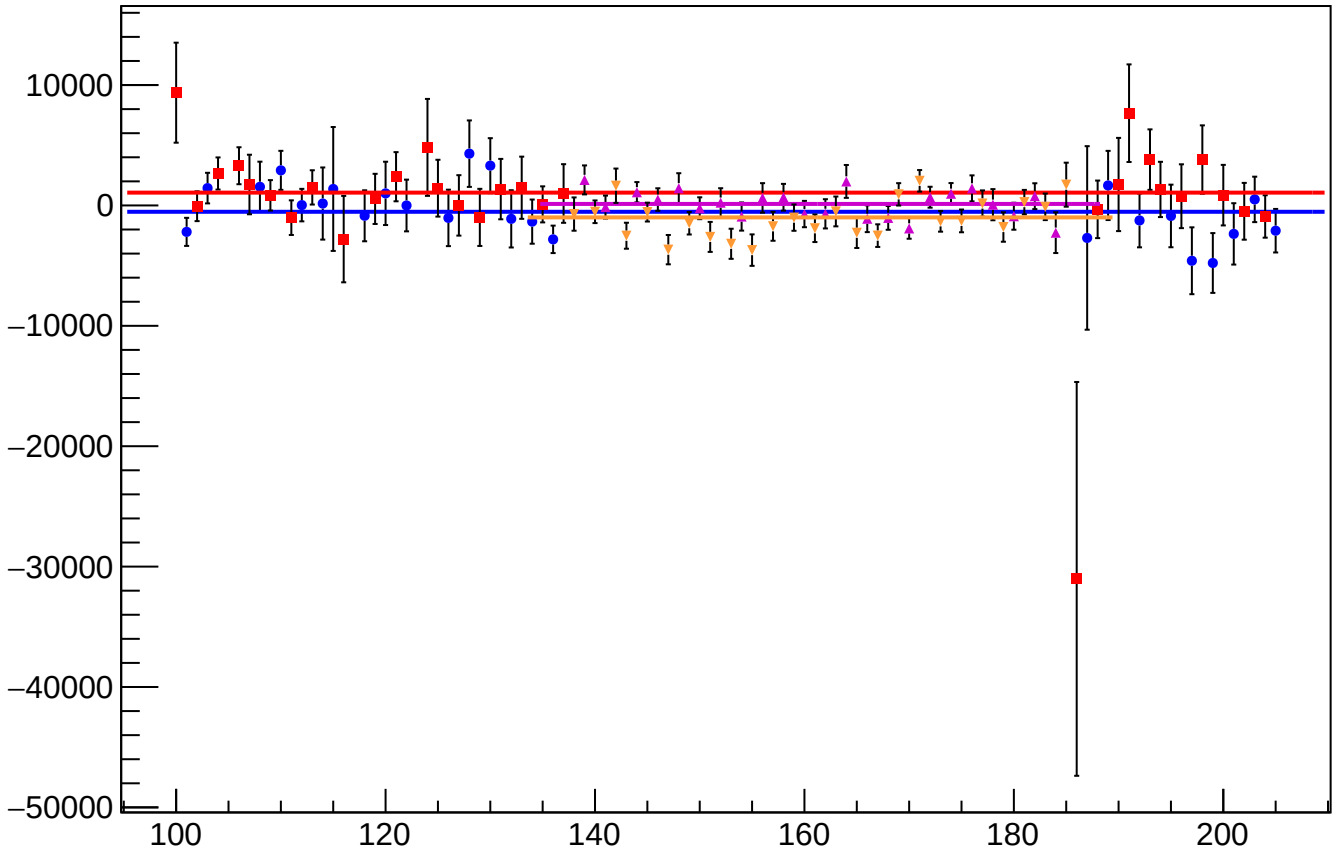
Left: 137.817+/-0.016 χ^2/NDF: 2448024.6/47

Right: 136.197+/-0.019 χ^2/NDF: 4226290.0/54

In: 137.262+/-0.018 χ^2/NDF:2713712.7/47

Out: 136.975+/-0.017 χ^2/NDF:3964770.0/54

All: 137.114+/-0.012 χ^2/NDF: 6678620.1/102



Right In: -527.279+/-391.738 χ^2/NDF: 28.4/24

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: 1064.057+/-375.482 χ^2/NDF: 25.3/29

Left In: 124.857+/-221.367 χ^2/NDF:23.9/22

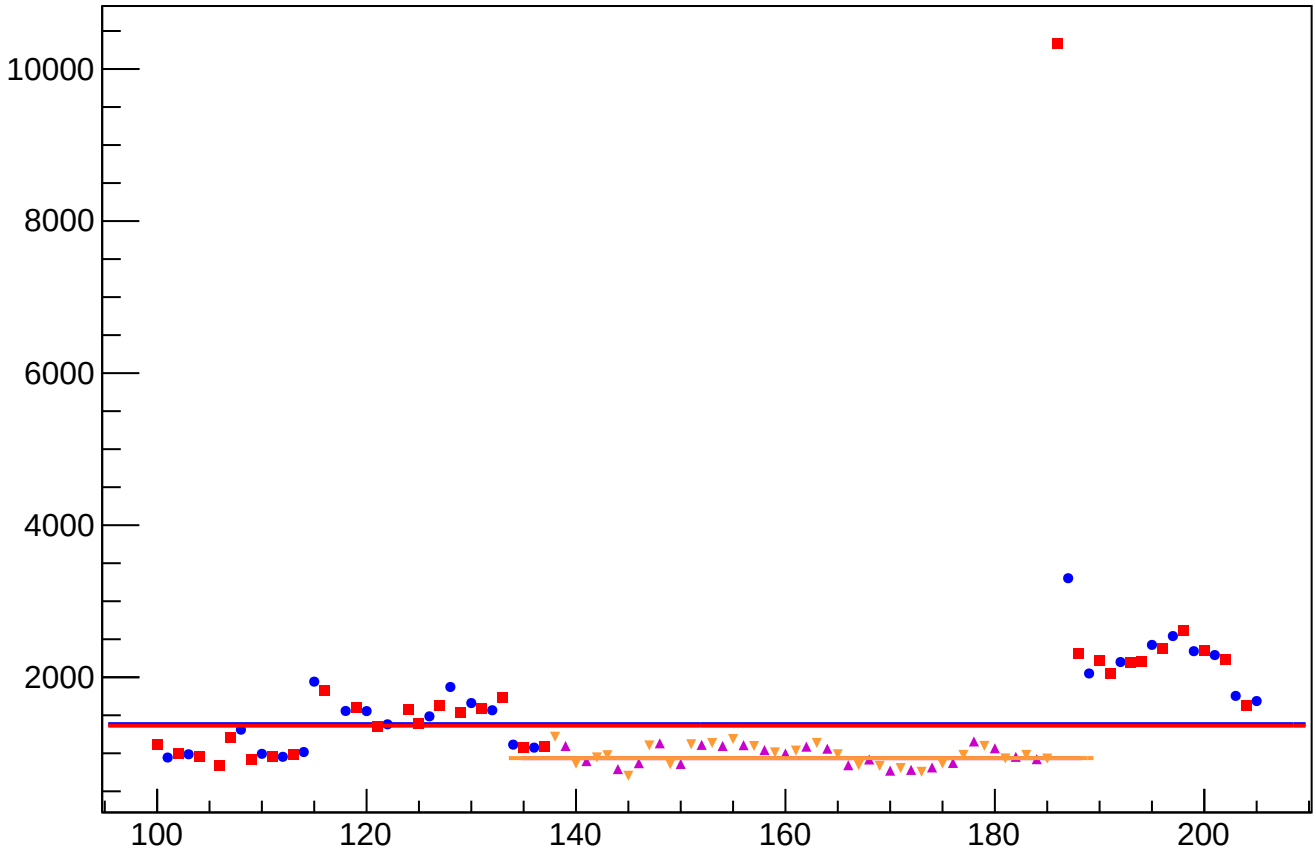
Left: -448.808+/-154.470 χ^2/NDF: 83.9/47

Right: 302.092+/-271.071 χ^2/NDF: 62.3/54

In: -32.984+/-192.724 χ^2/NDF:54.3/47

Out: -482.944+/-187.004 χ^2/NDF:94.8/54

All: -264.741+/-134.209 χ^2/NDF: 151.9/102



Right In: 1383.196+/-0.277 χ^2/NDF: 3031588.1/24

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1363.308+/-0.266 χ^2/NDF: 4285923.2/29

Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

Left: 936.567+/-0.109 χ^2/NDF: 1475201.4/47

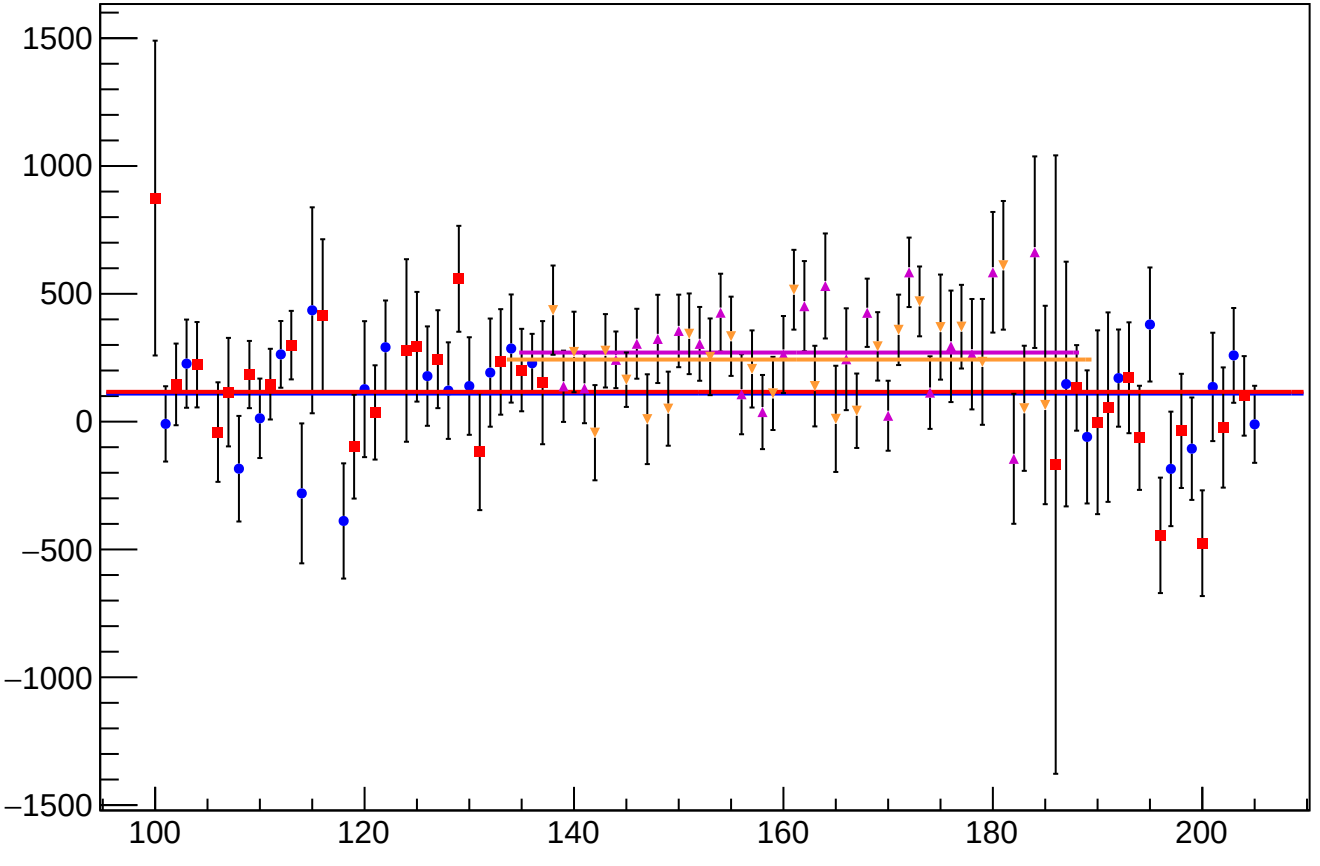
Right: 1372.831+/-0.192 χ^2/NDF: 7320197.9/54

In: 1044.526+/-0.136 χ^2/NDF:5646502.4/47

Out: 1042.549+/-0.132 χ^2/NDF:7059328.8/54

All: 1043.508+/-0.095 χ^2/NDF: 12705939.7/1

eigen_dit_asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 109.847+/-37.912 χ^2/NDF: 21.7/24

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: 116.586+/-36.407 χ^2/NDF: 30.9/29

Left In: 270.244+/-32.893 χ^2/NDF:26.7/22

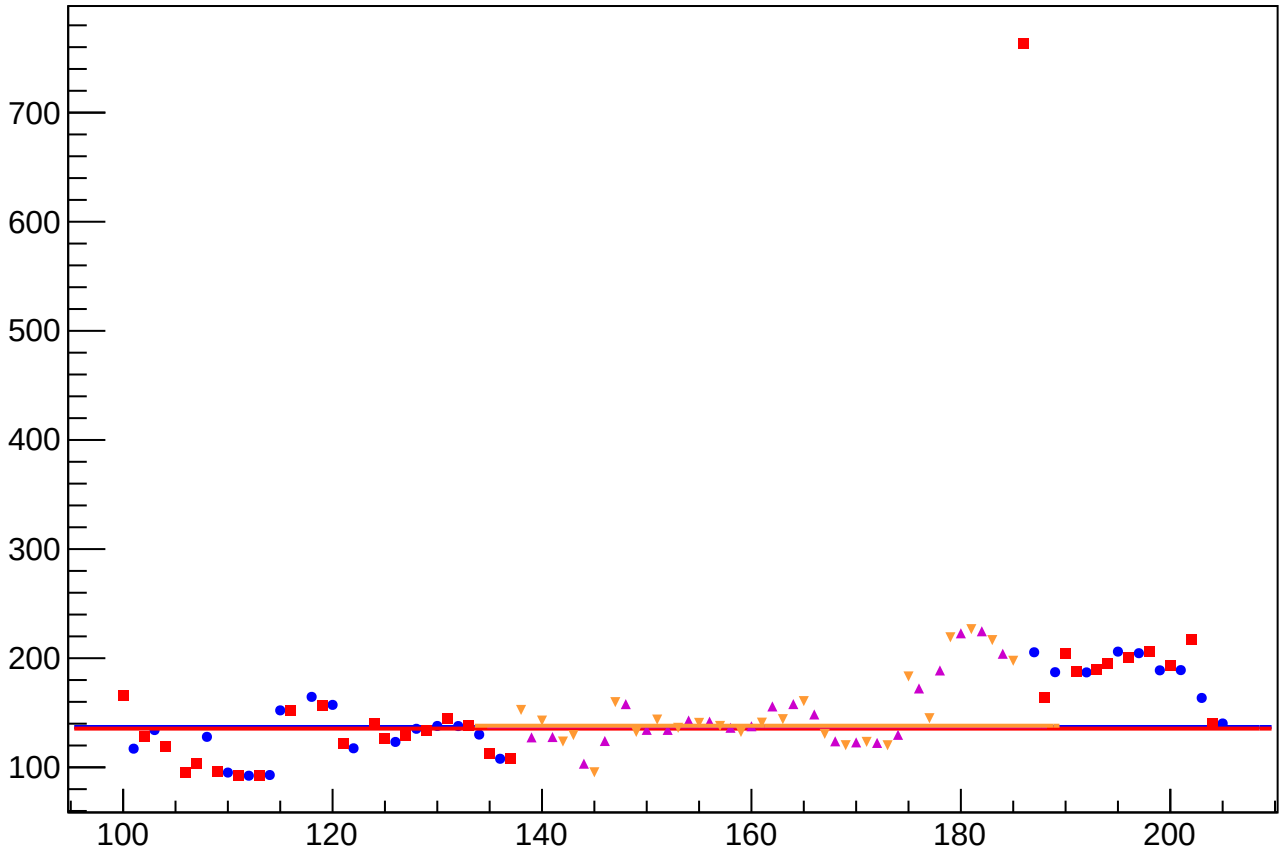
Left: 256.251+/-22.987 χ^2/NDF: 50.7/47

Right: 113.353+/-26.259 χ^2/NDF: 52.6/54

In: 201.357+/-24.845 χ^2/NDF:58.6/47

Out: 187.574+/-24.094 χ^2/NDF:61.3/54

All: 194.254+/-17.296 χ^2/NDF: 120.1/102



Right In: 136.957+/-0.027 χ^2/NDF: 1604140.3/24

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 135.497+/-0.026 χ^2/NDF: 2620599.1/29

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

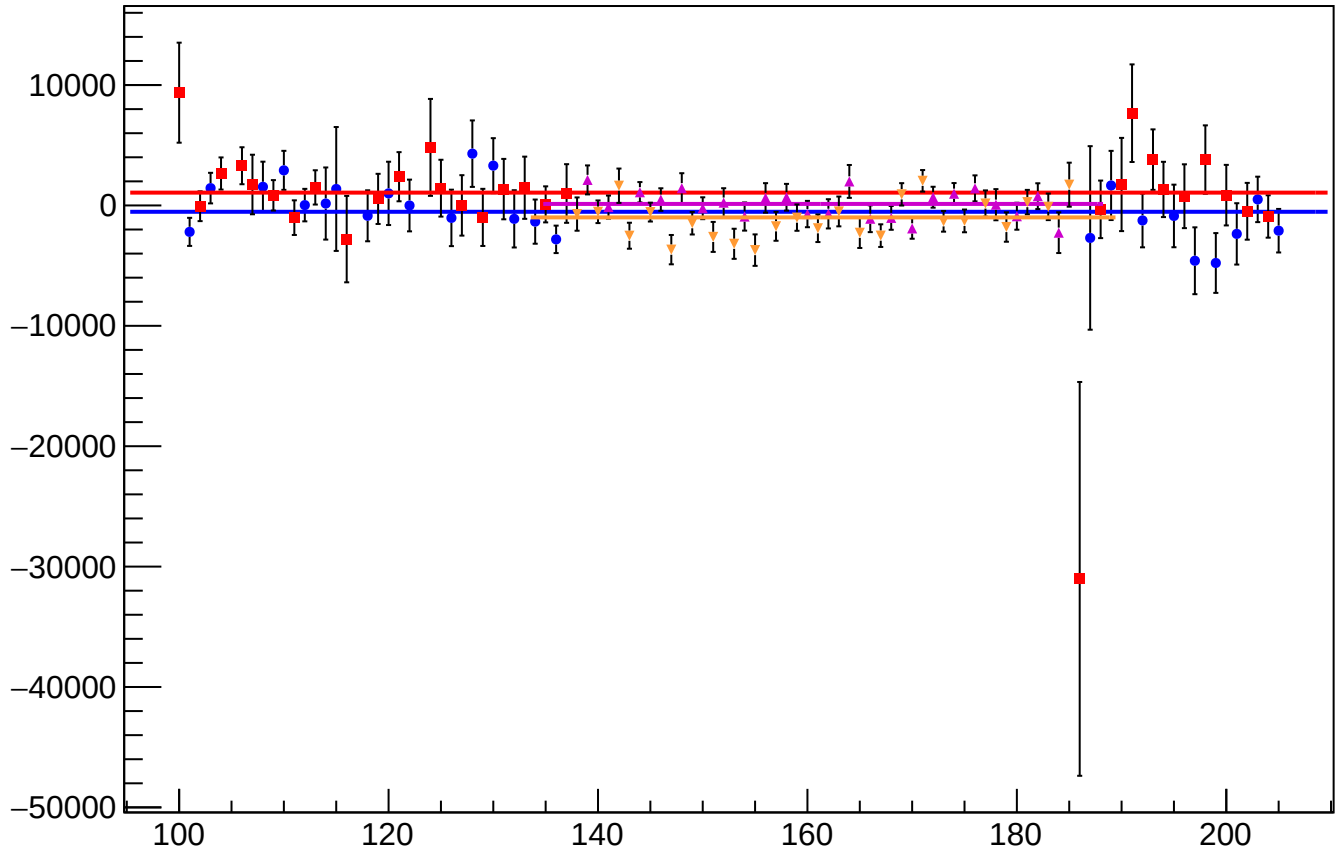
Left: 137.817+/-0.016 χ^2/NDF: 2448014.1/47

Right: 136.197+/-0.019 χ^2/NDF: 4226284.0/54

In: 137.262+/-0.018 χ^2/NDF:2713686.4/47

Out: 136.975+/-0.017 χ^2/NDF:3964780.1/54

All: 137.114+/-0.012 χ^2/NDF: 6678603.8/102



Right In: -527.279+/-391.738 χ^2/NDF: 28.4/24

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: 1064.057+/-375.482 χ^2/NDF: 25.3/29

Left In: 124.856+/-221.366 χ^2/NDF:23.9/22

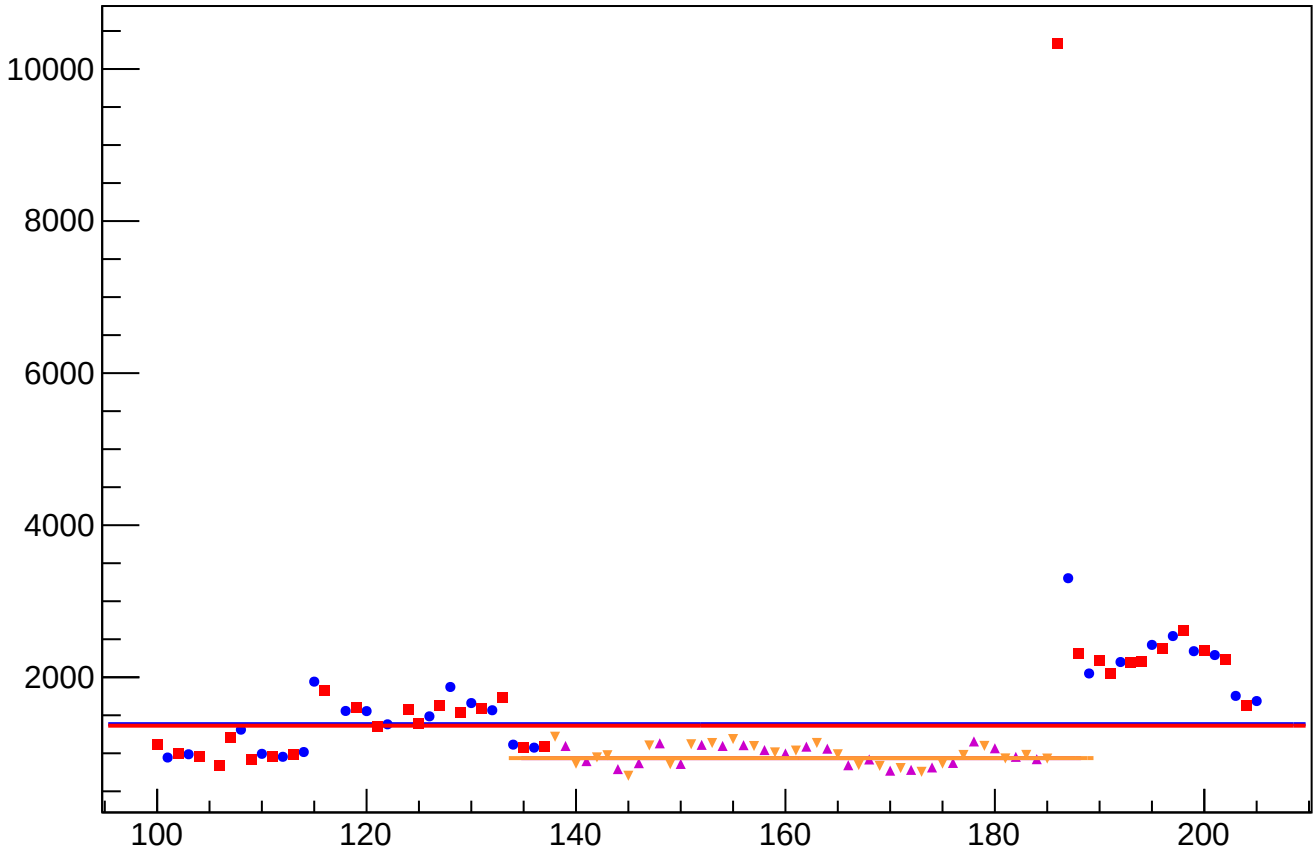
Left: -448.807+/-154.470 χ^2/NDF: 83.9/47

Right: 302.092+/-271.071 χ^2/NDF: 62.3/54

In: -32.984+/-192.724 χ^2/NDF:54.3/47

Out: -482.943+/-187.004 χ^2/NDF:94.8/54

All: -264.740+/-134.208 χ^2/NDF: 151.9/102



Right In: 1383.196+/-0.277 χ^2/NDF: 3031581.5/24

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1363.308+/-0.266 χ^2/NDF: 4285914.9/29

Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

Left: 936.566+/-0.109 χ^2/NDF: 1475202.7/47

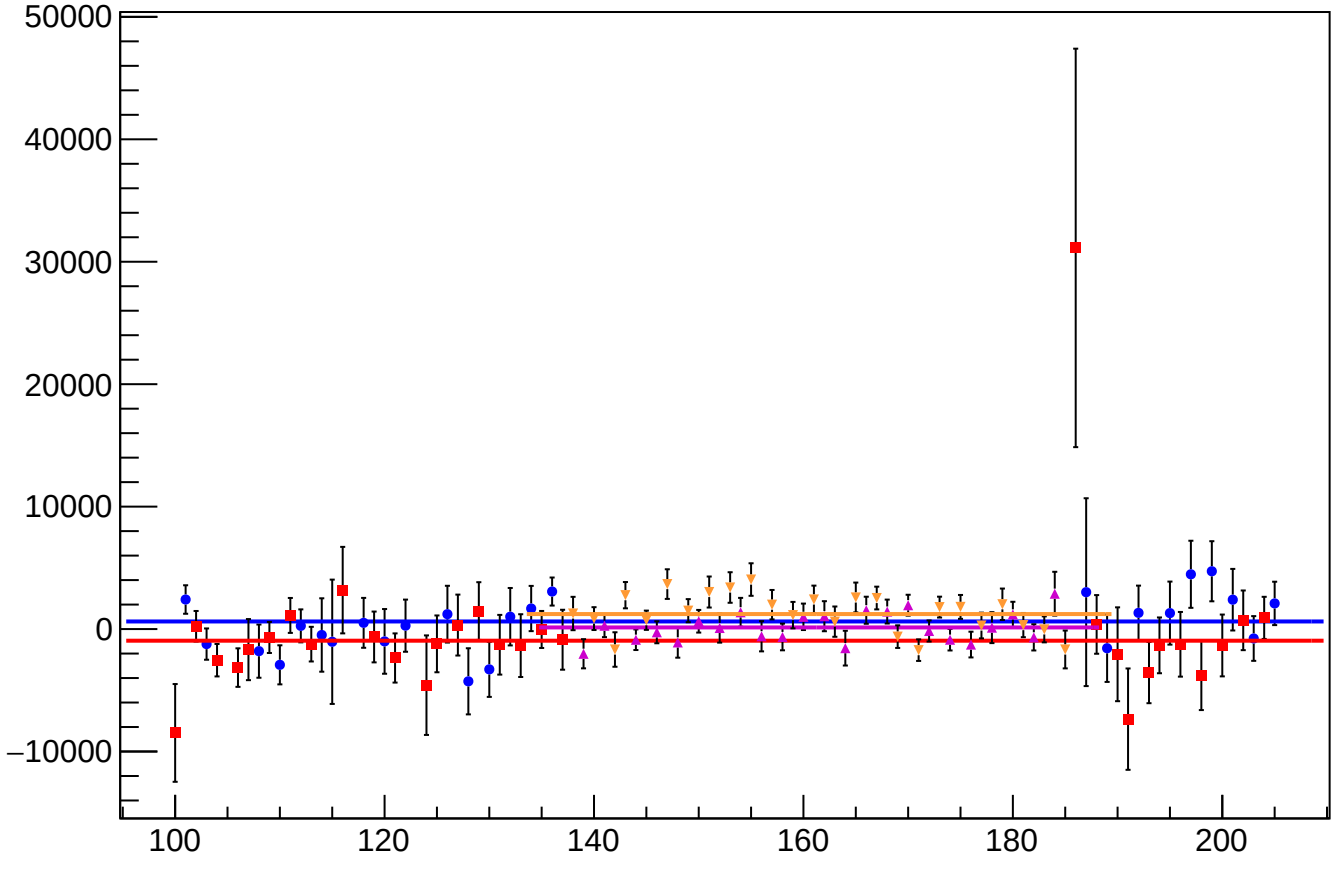
Right: 1372.831+/-0.192 χ^2/NDF: 7320183.1/54

In: 1044.525+/-0.136 χ^2/NDF:5646501.3/47

Out: 1042.548+/-0.132 χ^2/NDF:7059331.1/54

All: 1043.507+/-0.095 χ^2/NDF: 12705940.8/1

asym_sam_48_dd_mean vs Slug, Sign Corrected



Right In: 621.143+/-389.338 χ^2/NDF: 30.1/24

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: -949.990+/-374.914 χ^2/NDF: 25.0/29

Left In: 132.834+/-219.278 χ^2/NDF:25.8/22

Left: 692.887+/-153.095 χ^2/NDF: 87.1/47

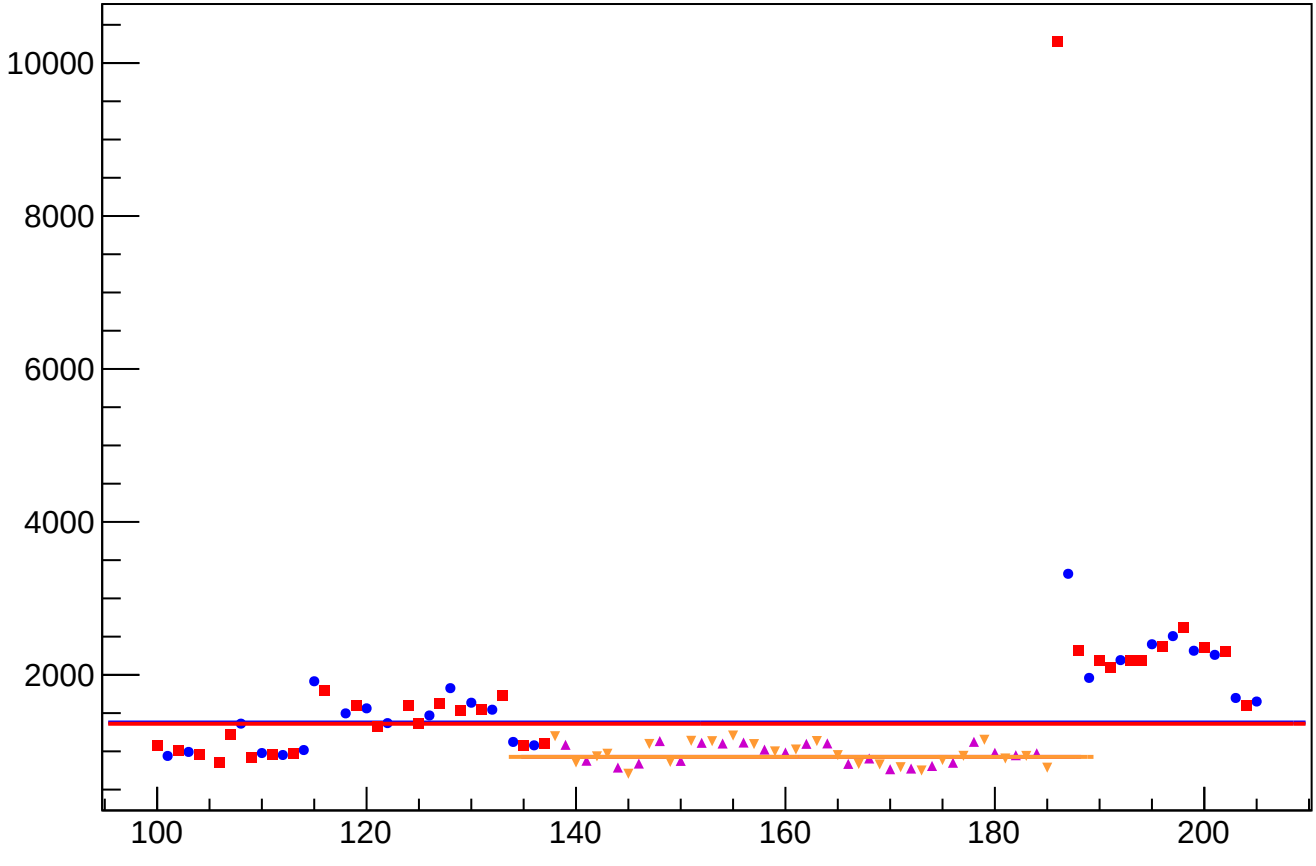
Right: -194.065+/-270.060 χ^2/NDF: 63.5/54

In: 250.426+/-191.060 χ^2/NDF:57.1/47

Out: 691.494+/-185.752 χ^2/NDF:98.9/54

All: 477.172+/-133.183 χ^2/NDF: 158.8/102

asym_sam_48_dd_rms vs Slug, Sign Corrected



Right In: 1377.053+/-0.275 χ^2/NDF: 2917280.5/24

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1360.962+/-0.265 χ^2/NDF: 4266326.5/29

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

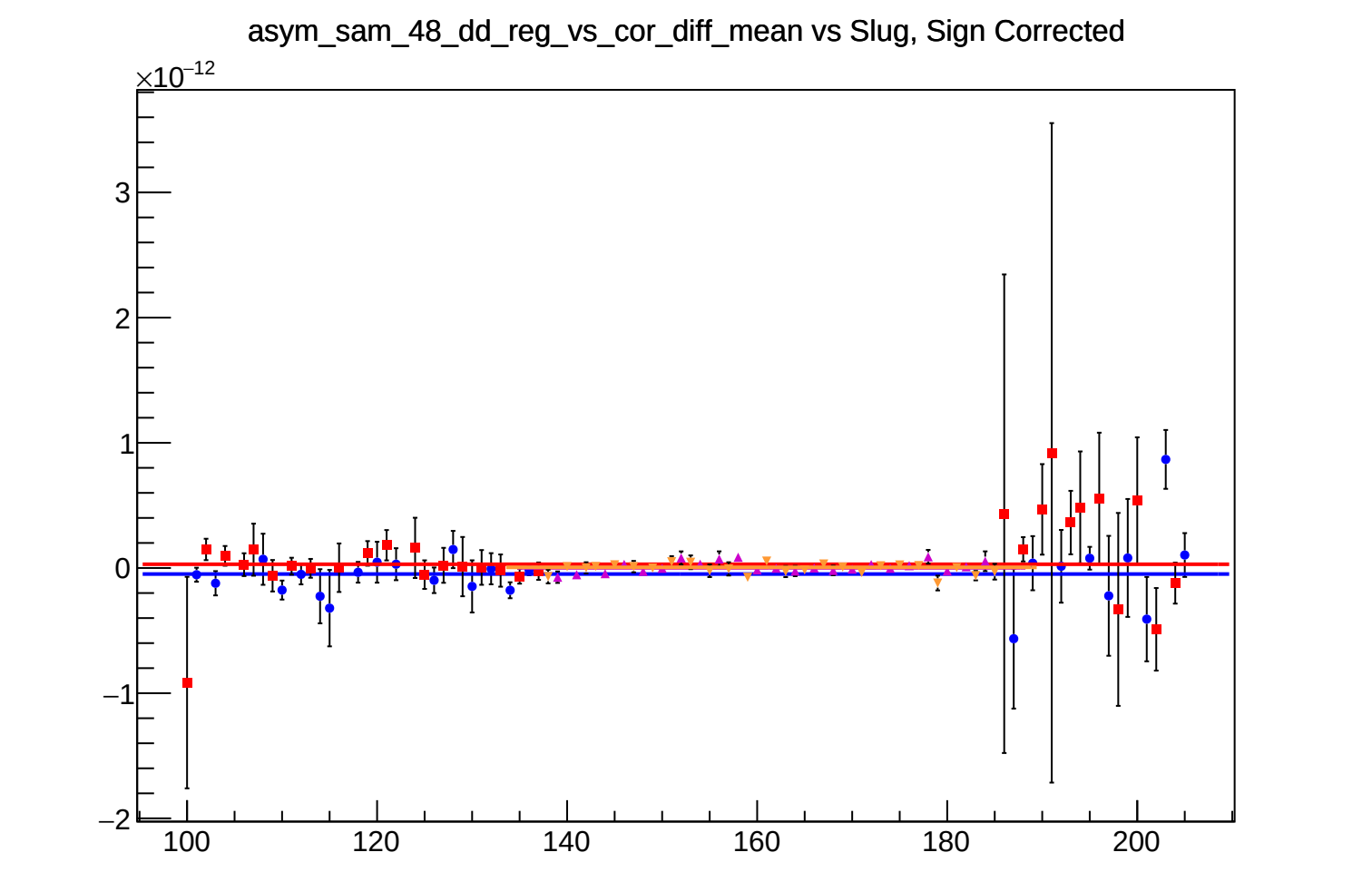
Left: 927.469+/-0.108 χ^2/NDF: 1531668.9/47

Right: 1368.704+/-0.191 χ^2/NDF: 7185379.5/54

In: 1035.623+/-0.135 χ^2/NDF:5599783.6/47

Out: 1033.985+/-0.131 χ^2/NDF:7157611.6/54

All: 1034.781+/-0.094 χ^2/NDF: 12757470.7/



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/29

Left In: 0.000+/-0.000 χ^2/NDF:27.7/22

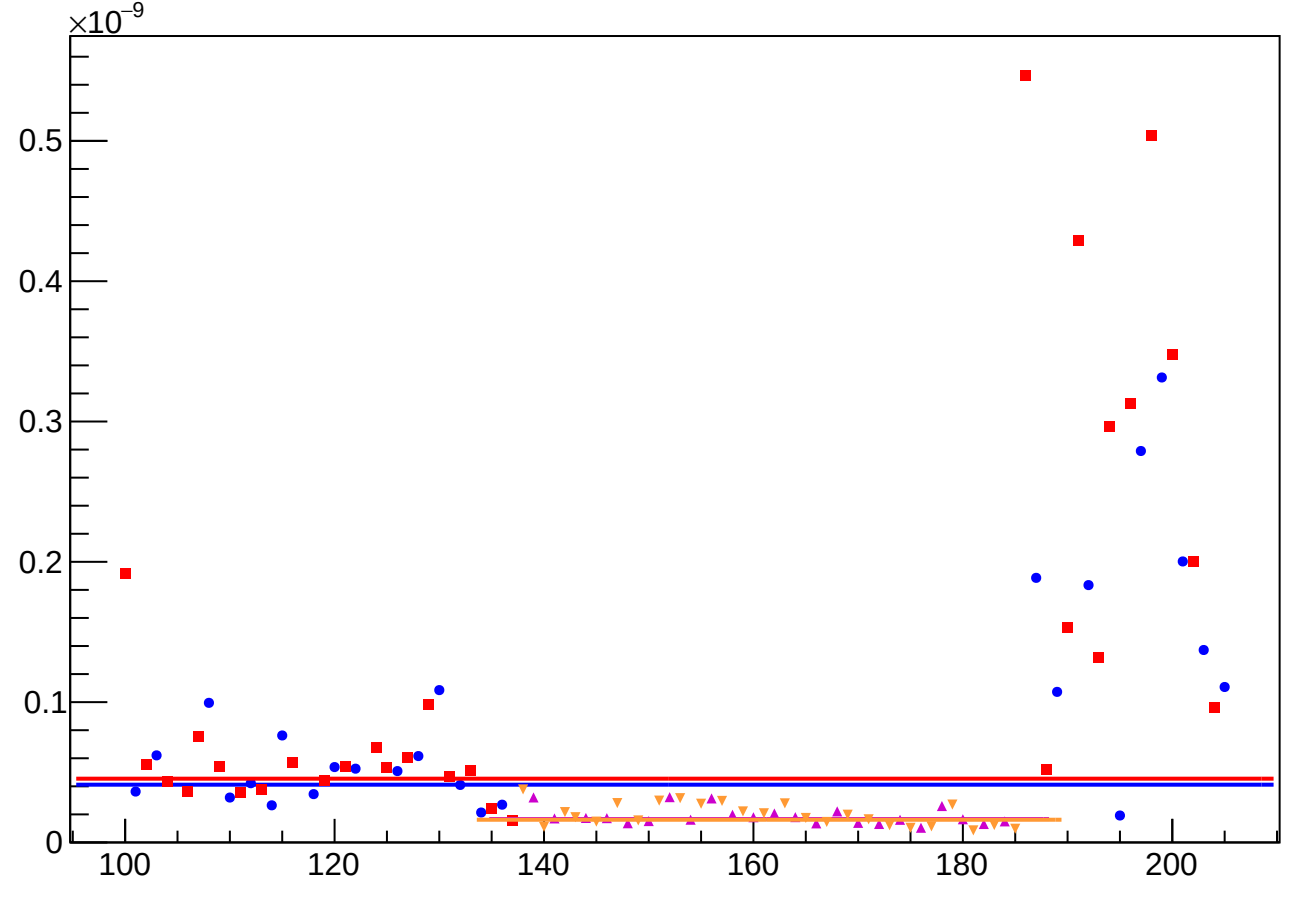
Left: 0.000+/-0.000 χ^2/NDF: 53.3/47

Right: -0.000+/-0.000 χ^2/NDF: 63.1/54

In: -0.000+/-0.000 χ^2/NDF:66.1/47

Out: 0.000+/-0.000 χ^2/NDF:49.6/54

All: 0.000+/-0.000 χ^2/NDF: 117.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 4339410.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2009728.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4820820.6/29

Left In: 0.000+/-0.000 χ^2/NDF:928356.7/22

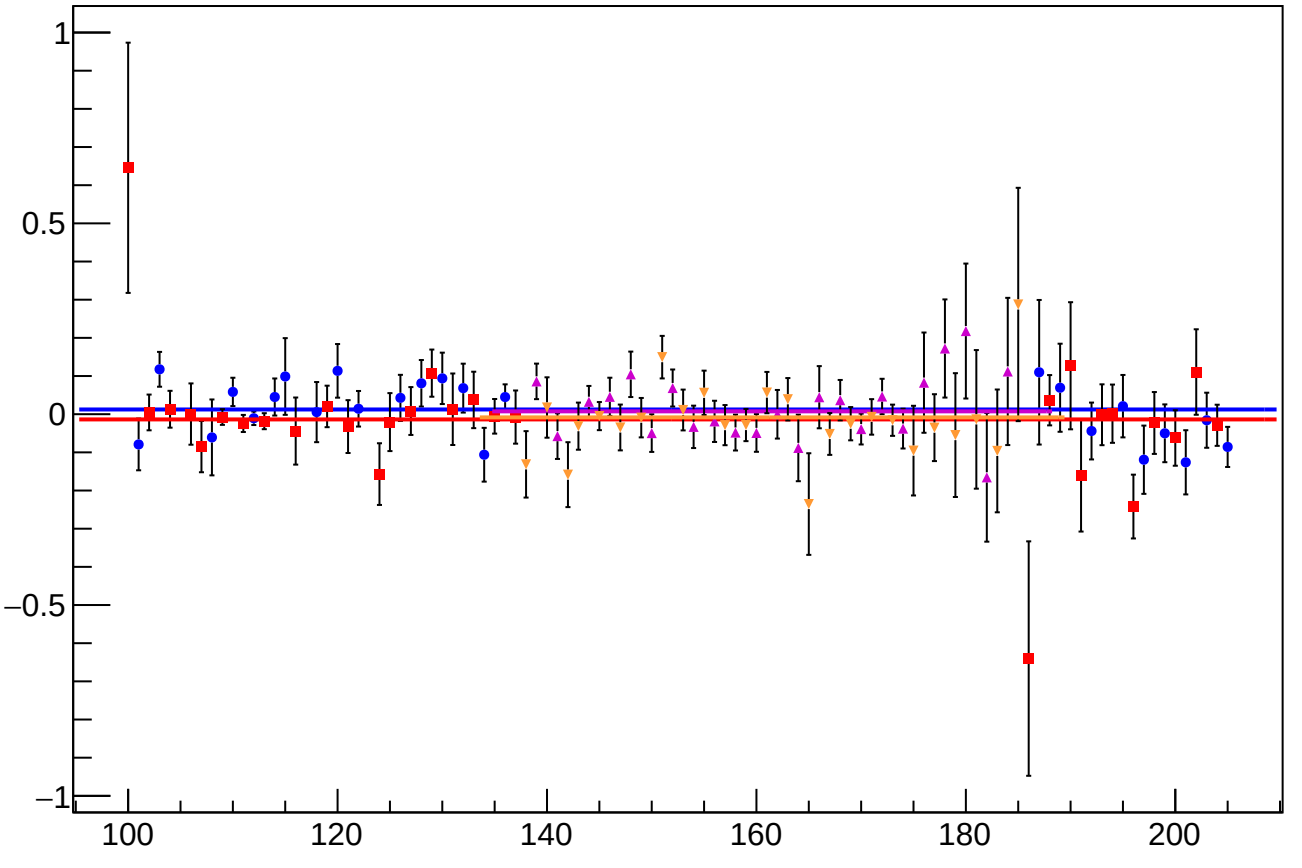
Left: 0.000+/-0.000 χ^2/NDF: 2943547.5/47

Right: 0.000+/-0.000 χ^2/NDF: 9200301.6/54

In: 0.000+/-0.000 χ^2/NDF:7785852.1/47

Out: 0.000+/-0.000 χ^2/NDF:10086561.1/54

All: 0.000+/-0.000 χ^2/NDF: 17880567.9/102



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

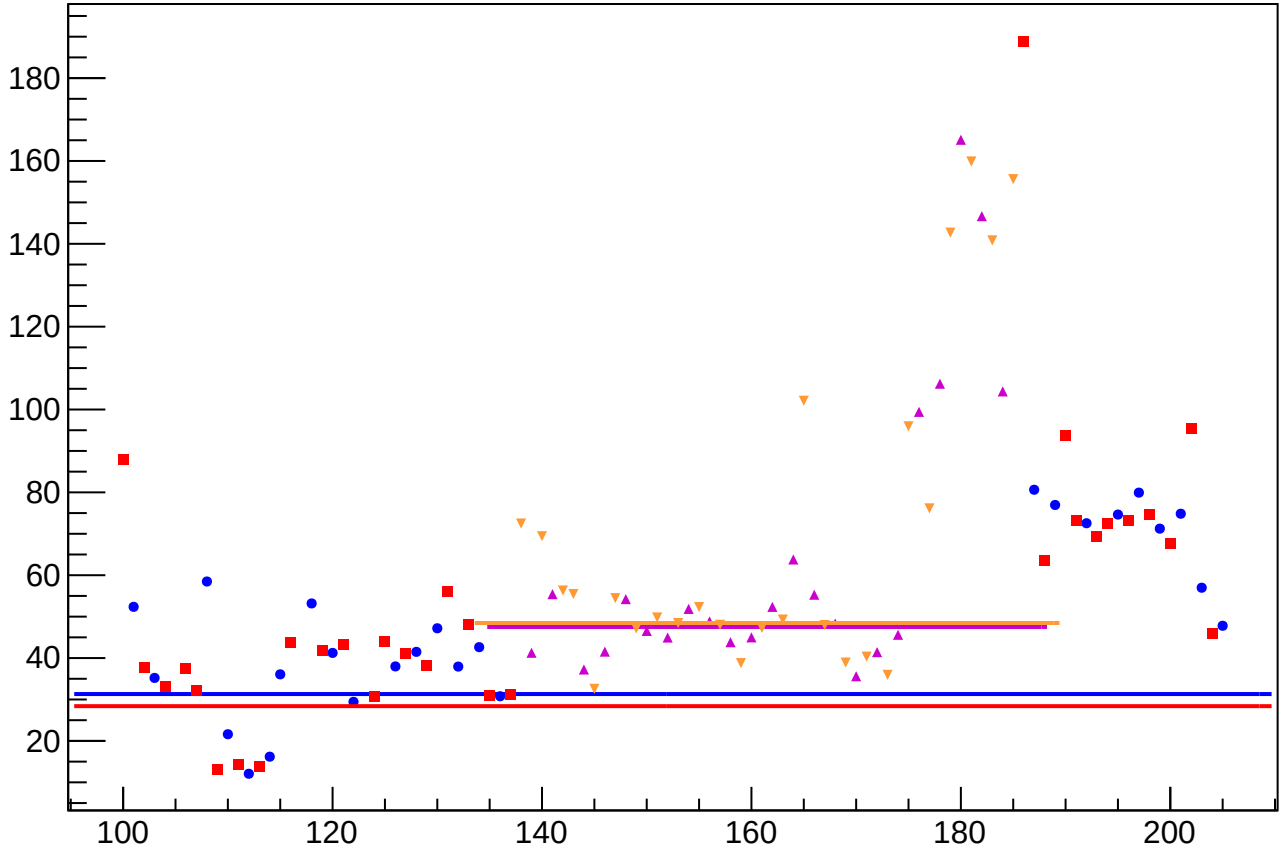
Right: -0.002+/-0.007 χ^2/NDF: 65.7/54

In: 0.010+/-0.008 χ^2/NDF:55.4/47

Out: -0.012+/-0.007 χ^2/NDF:53.4/54

All: -0.001+/-0.005 χ^2/NDF: 113.0/102

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.313+/-0.007 χ^2/NDF: 7264562.8/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 28.390+/-0.006 χ^2/NDF: 9389254.4/29

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

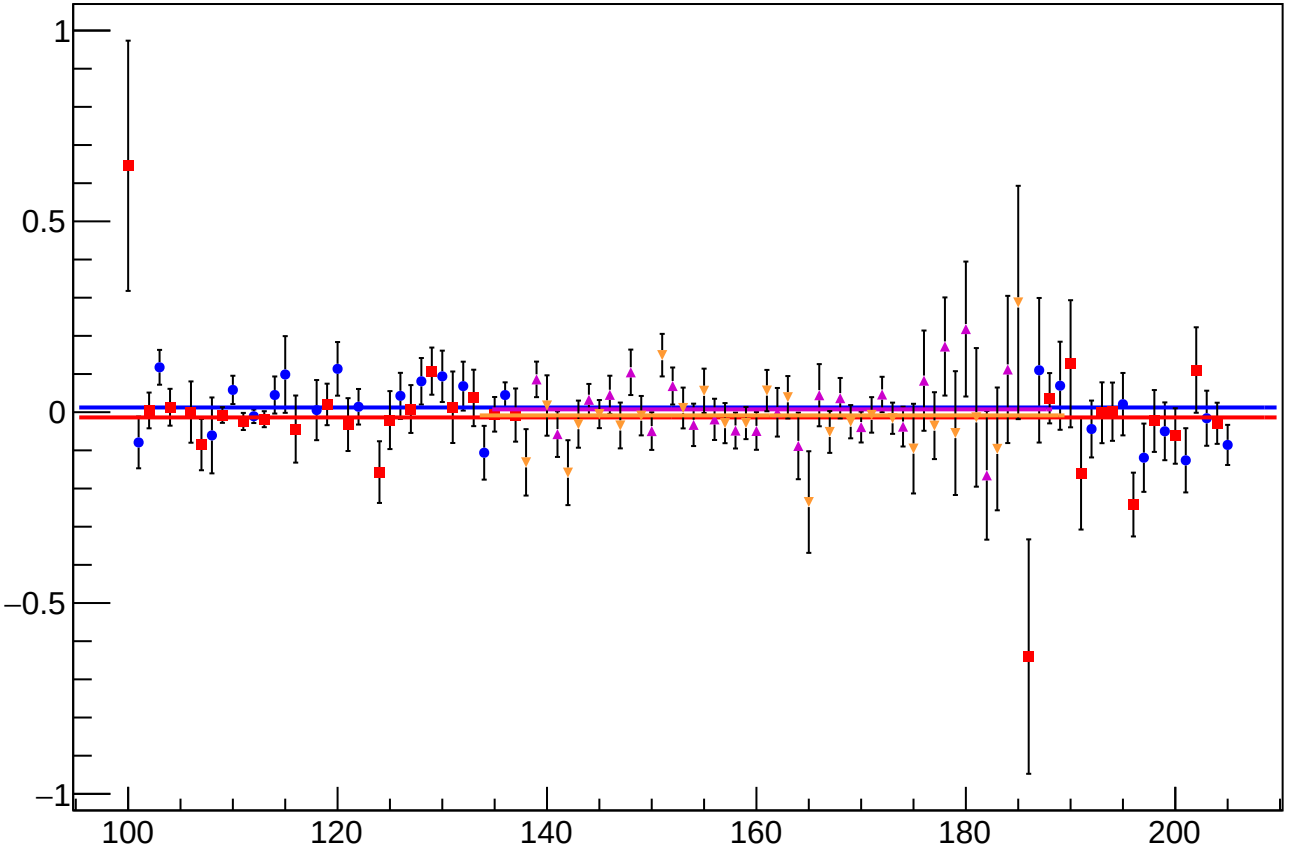
Right: 29.690+/-0.005 χ^2/NDF: 16744835.2/54

In: 38.093+/-0.006 χ^2/NDF:12445053.2/47

Out: 35.757+/-0.005 χ^2/NDF:17304846.1/54

All: 36.846+/-0.004 χ^2/NDF: 29846028.3/102

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

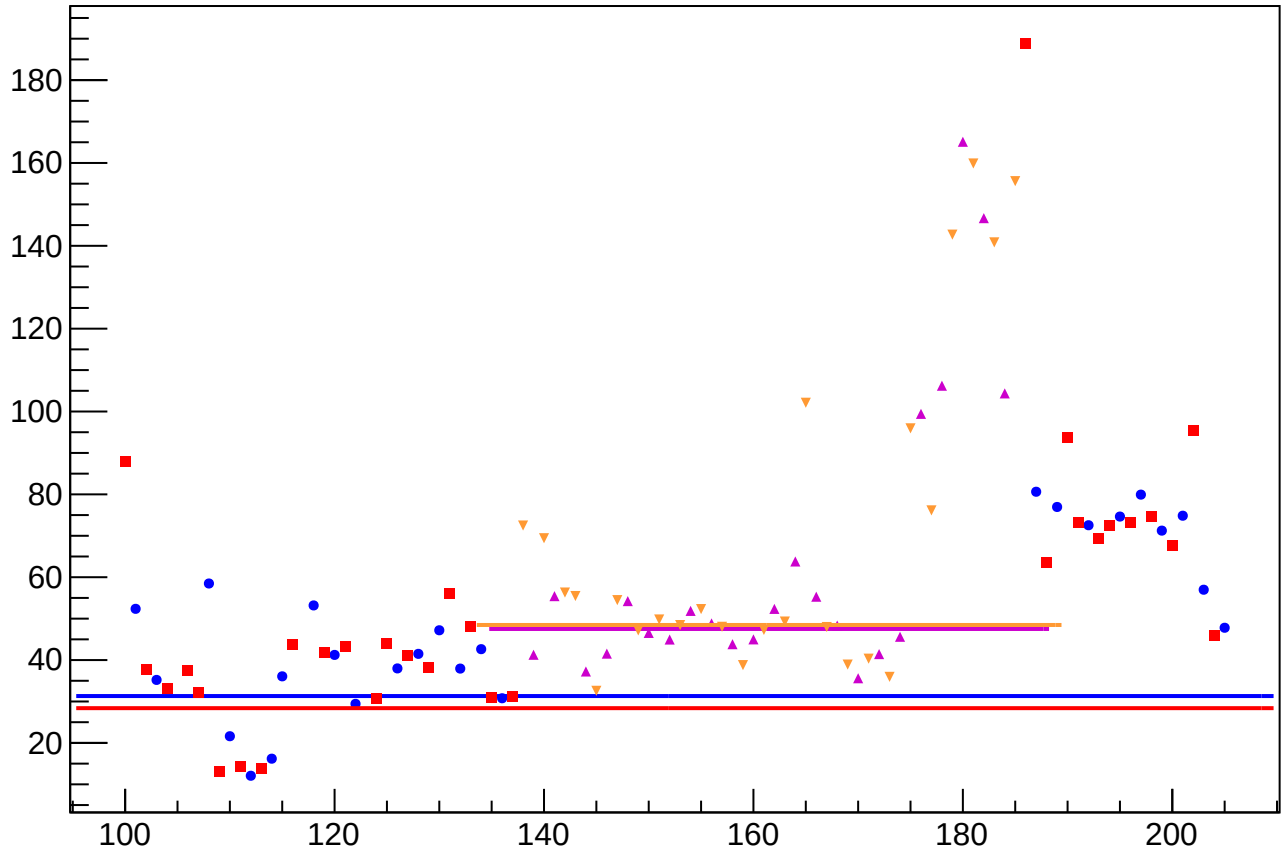
Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

Right: -0.002+/-0.007 χ^2/NDF: 65.7/54

In: 0.010+/-0.008 χ^2/NDF:55.4/47

Out: -0.012+/-0.007 χ^2/NDF:53.4/54

All: -0.001+/-0.005 χ^2/NDF: 113.0/102



Right In: 31.313+/-0.007 χ^2/NDF: 7264562.8/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 28.390+/-0.006 χ^2/NDF: 9389254.4/29

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

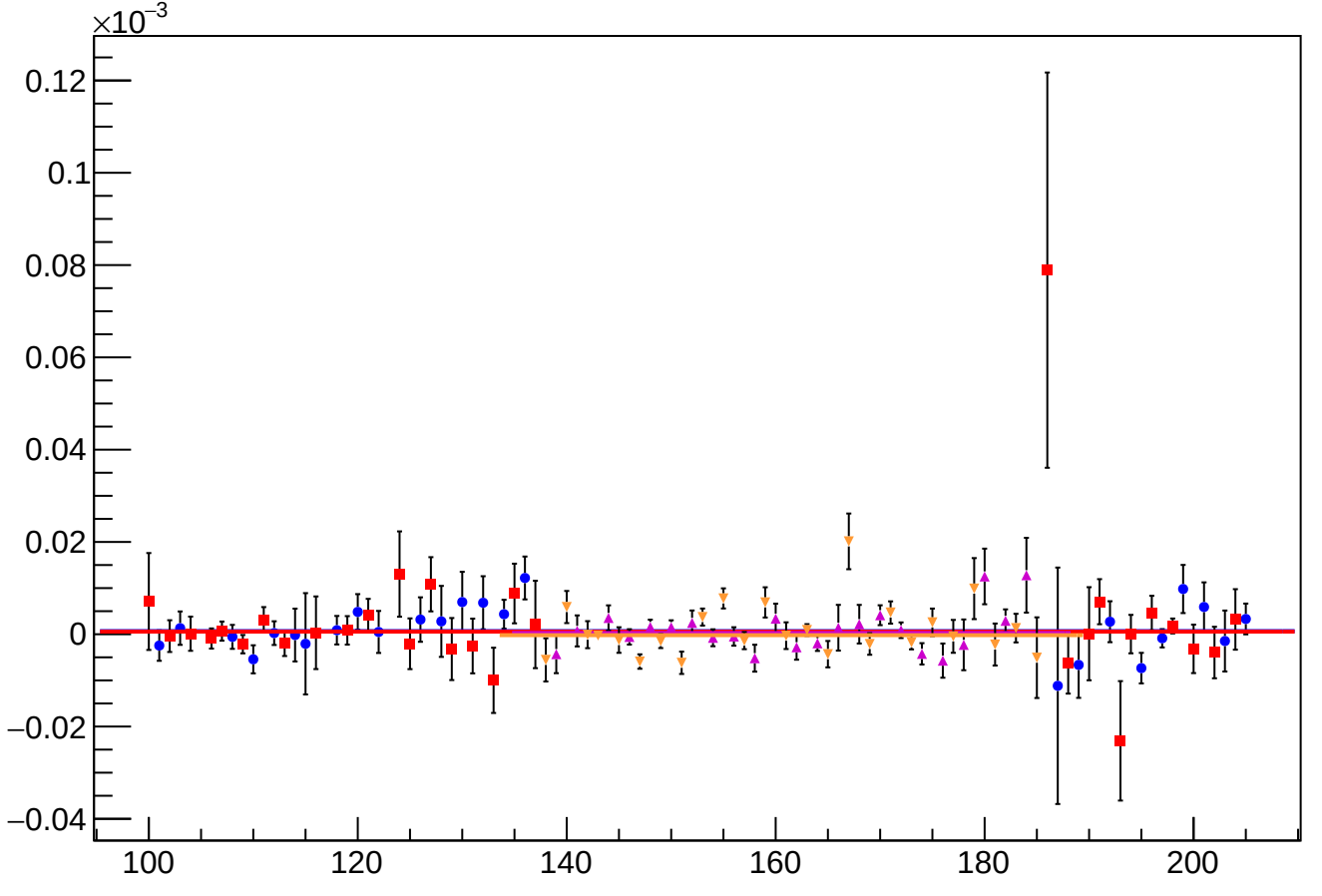
Left: 47.989+/-0.006 χ^2/NDF: 7455439.1/47

Right: 29.690+/-0.005 χ^2/NDF: 16744835.2/54

In: 38.093+/-0.006 χ^2/NDF:12445053.2/47

Out: 35.757+/-0.005 χ^2/NDF:17304846.1/54

All: 36.846+/-0.004 χ^2/NDF: 29846028.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.9/29

Left In: 0.000+/-0.000 χ^2/NDF:30.9/22

Left: -0.000+/-0.000 χ^2/NDF: 103.2/47

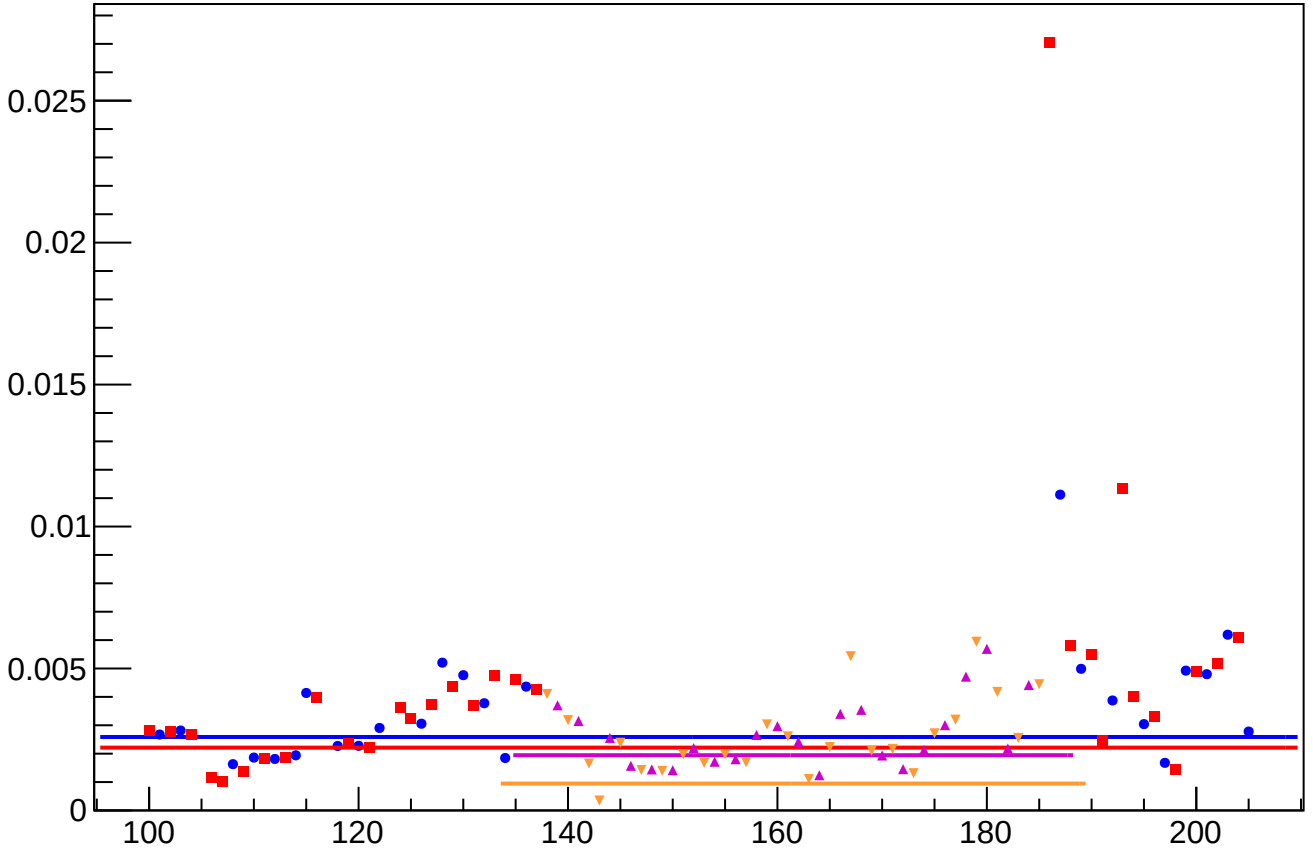
Right: 0.000+/-0.000 χ^2/NDF: 57.0/54

In: 0.000+/-0.000 χ^2/NDF:60.2/47

Out: -0.000+/-0.000 χ^2/NDF:100.6/54

All: 0.000+/-0.000 χ^2/NDF: 161.7/102

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 4064851.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:17608951.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8217846.0/29

Left In: 0.002+/-0.000 χ^2/NDF:4362371.5/22

Left: 0.001+/-0.000 χ^2/NDF: 27882769.2/47

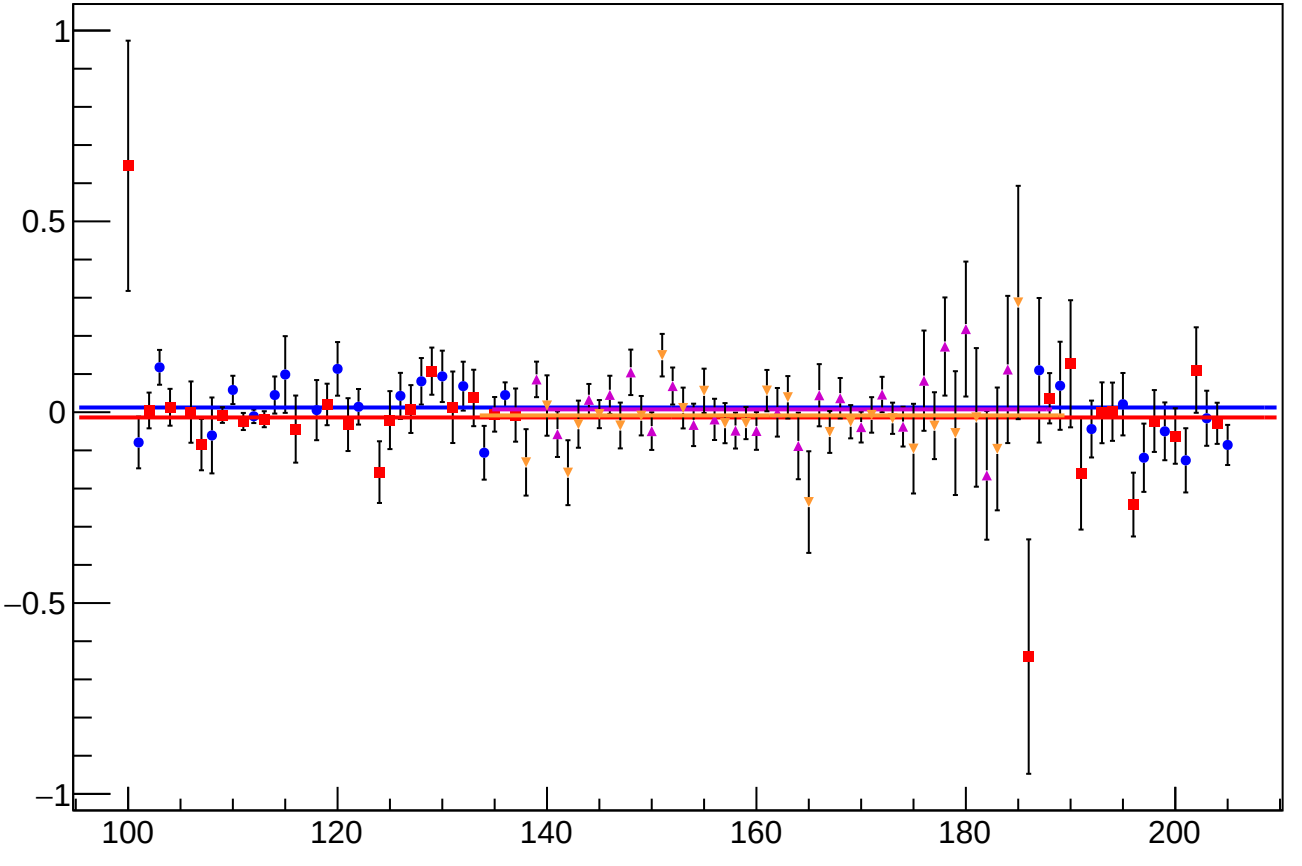
Right: 0.002+/-0.000 χ^2/NDF: 12551735.5/54

In: 0.002+/-0.000 χ^2/NDF:9410946.4/47

Out: 0.001+/-0.000 χ^2/NDF:31693081.8/54

All: 0.001+/-0.000 χ^2/NDF: 48770512.7/102

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

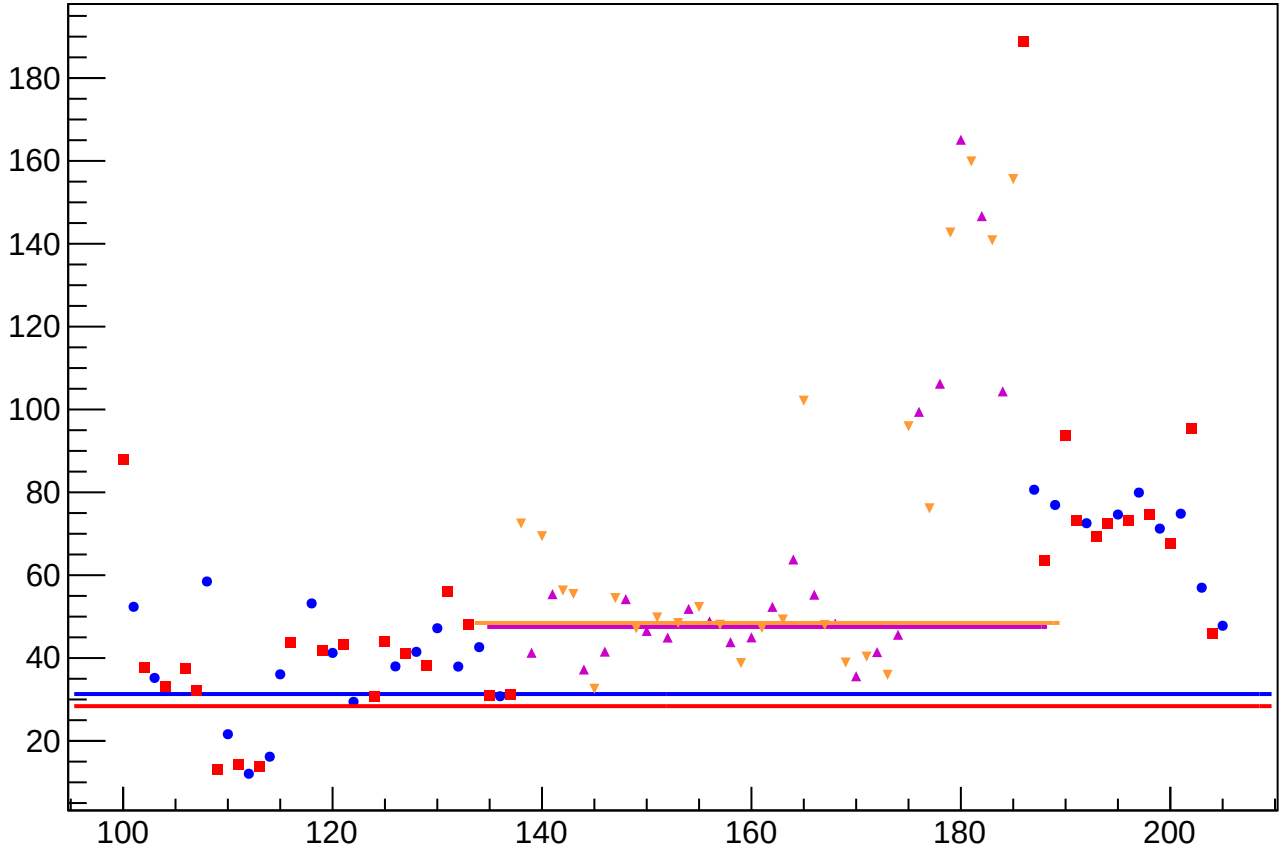
Right: -0.002+/-0.007 χ^2/NDF: 65.7/54

In: 0.010+/-0.008 χ^2/NDF:55.4/47

Out: -0.012+/-0.007 χ^2/NDF:53.4/54

All: -0.001+/-0.005 χ^2/NDF: 113.0/102

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.312+/-0.007 χ^2/NDF: 7265215.2/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 28.389+/-0.006 χ^2/NDF: 9389496.8/29

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

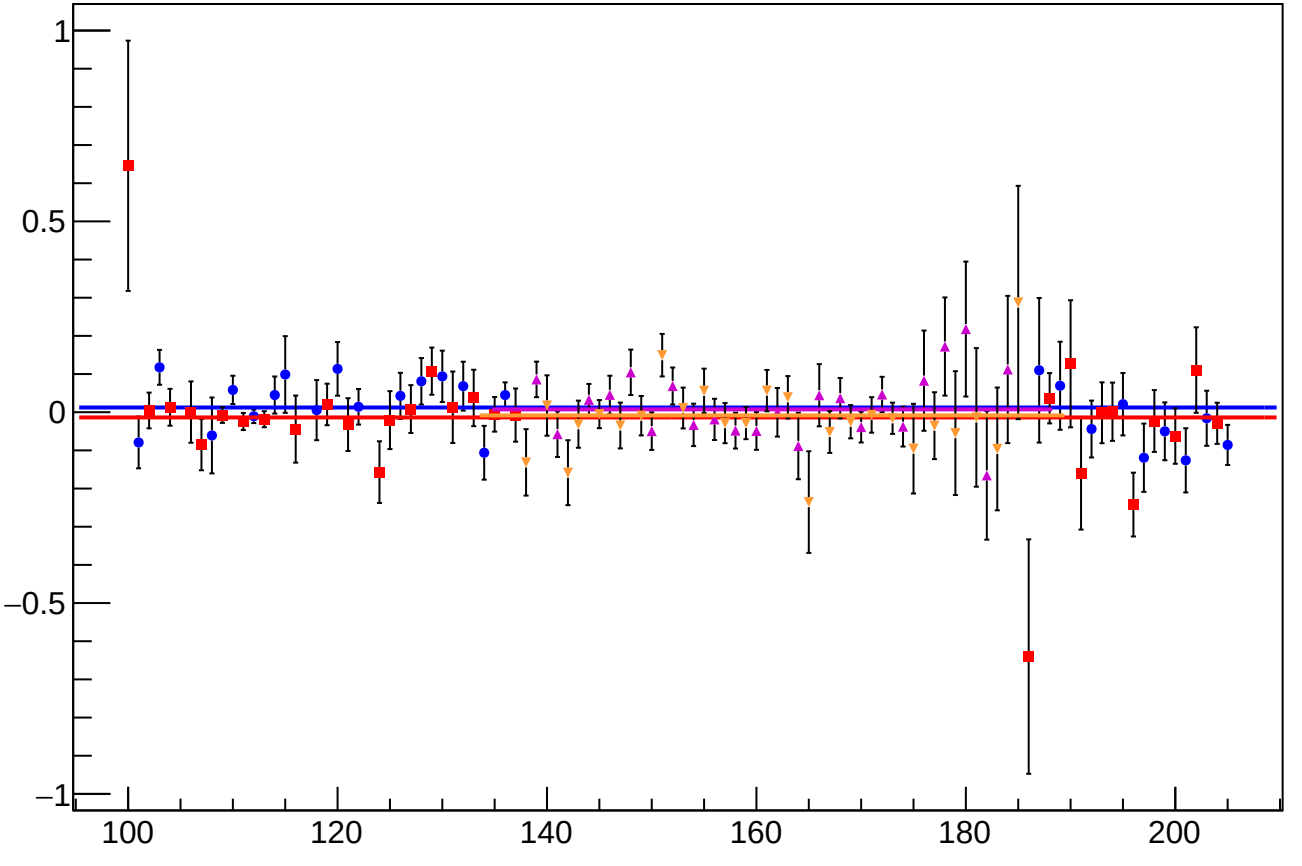
Right: 29.689+/-0.005 χ^2/NDF: 16745666.5/54

In: 38.092+/-0.006 χ^2/NDF:12446136.8/47

Out: 35.757+/-0.005 χ^2/NDF:17305264.4/54

All: 36.845+/-0.004 χ^2/NDF: 29847470.9/102

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.014+/-0.009 χ^2/NDF: 30.1/29

Left In: 0.007+/-0.012 χ^2/NDF:23.2/22

Left: -0.000+/-0.008 χ^2/NDF: 47.3/47

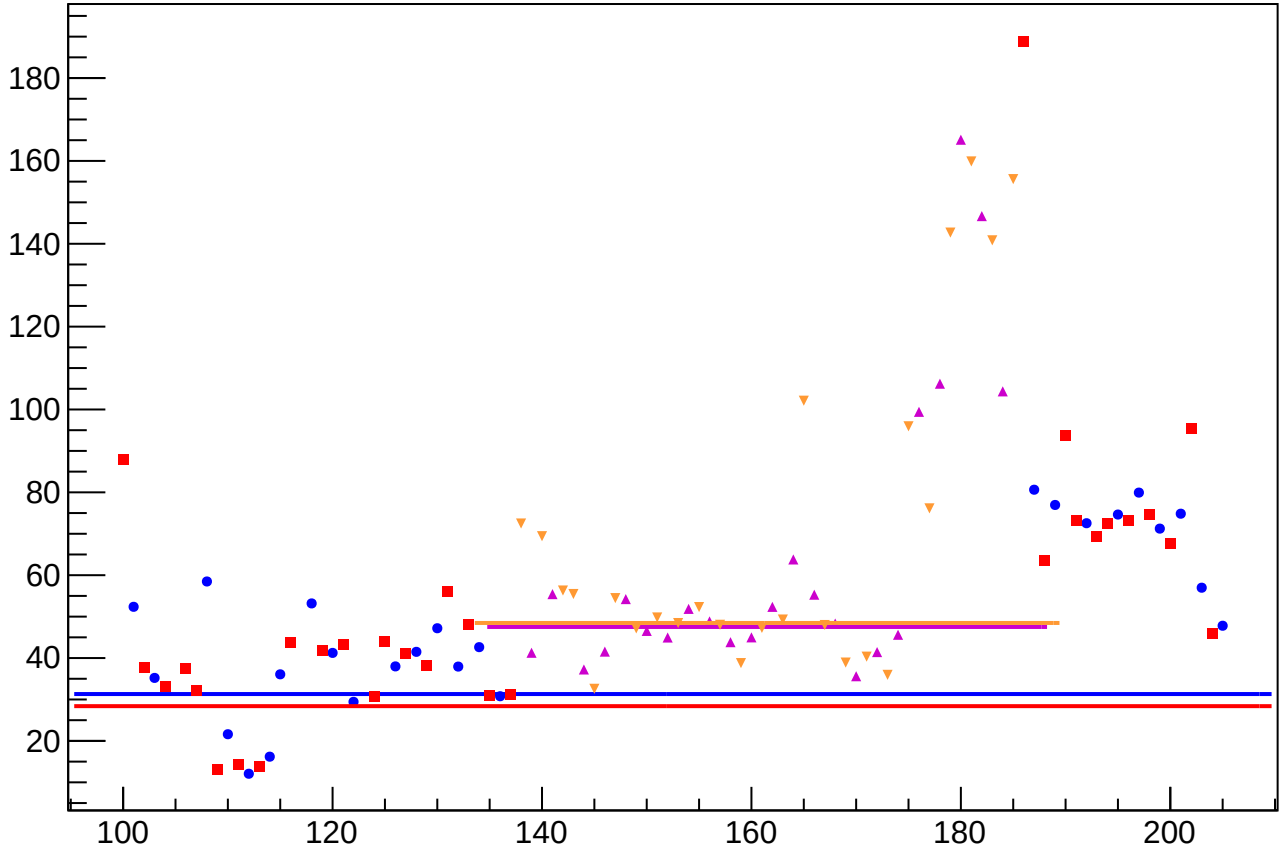
Right: -0.002+/-0.007 χ^2/NDF: 65.7/54

In: 0.010+/-0.008 χ^2/NDF:55.4/47

Out: -0.012+/-0.007 χ^2/NDF:53.4/54

All: -0.001+/-0.005 χ^2/NDF: 113.0/102

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.312+/-0.007 χ^2/NDF: 7265215.2/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

Right Out: 28.389+/-0.006 χ^2/NDF: 9389496.8/29

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

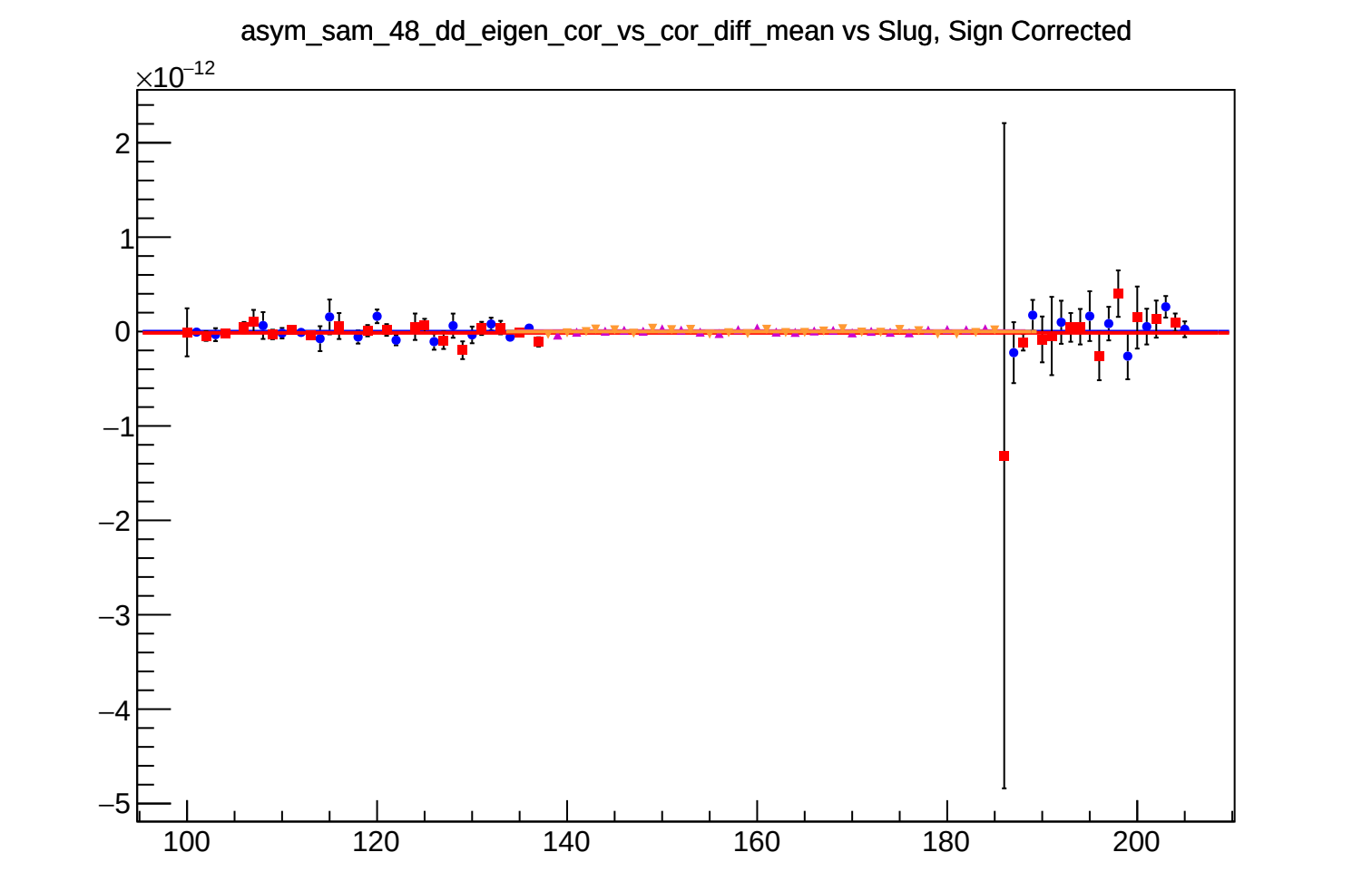
Left: 47.989+/-0.006 χ^2/NDF: 7455357.0/47

Right: 29.689+/-0.005 χ^2/NDF: 16745666.5/54

In: 38.092+/-0.006 χ^2/NDF:12446136.8/47

Out: 35.757+/-0.005 χ^2/NDF:17305264.4/54

All: 36.845+/-0.004 χ^2/NDF: 29847470.9/102



Right In: -0.000+/-0.000 χ^2/NDF: 28.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

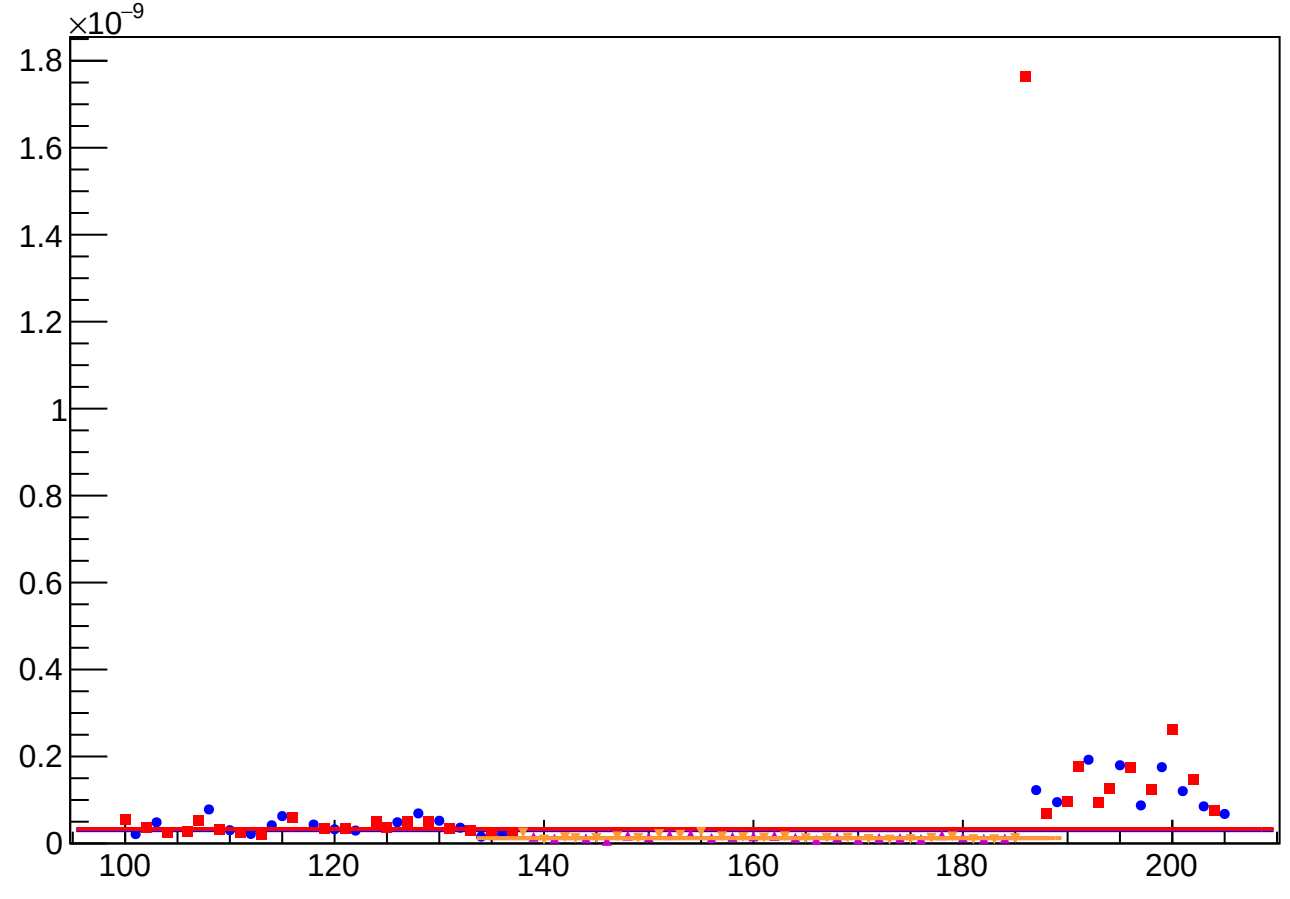
Left: 0.000+/-0.000 χ^2/NDF: 51.7/47

Right: -0.000+/-0.000 χ^2/NDF: 51.2/54

In: 0.000+/-0.000 χ^2/NDF:47.4/47

Out: -0.000+/-0.000 χ^2/NDF:55.2/54

All: 0.000+/-0.000 χ^2/NDF: 104.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 6233498.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6027122.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

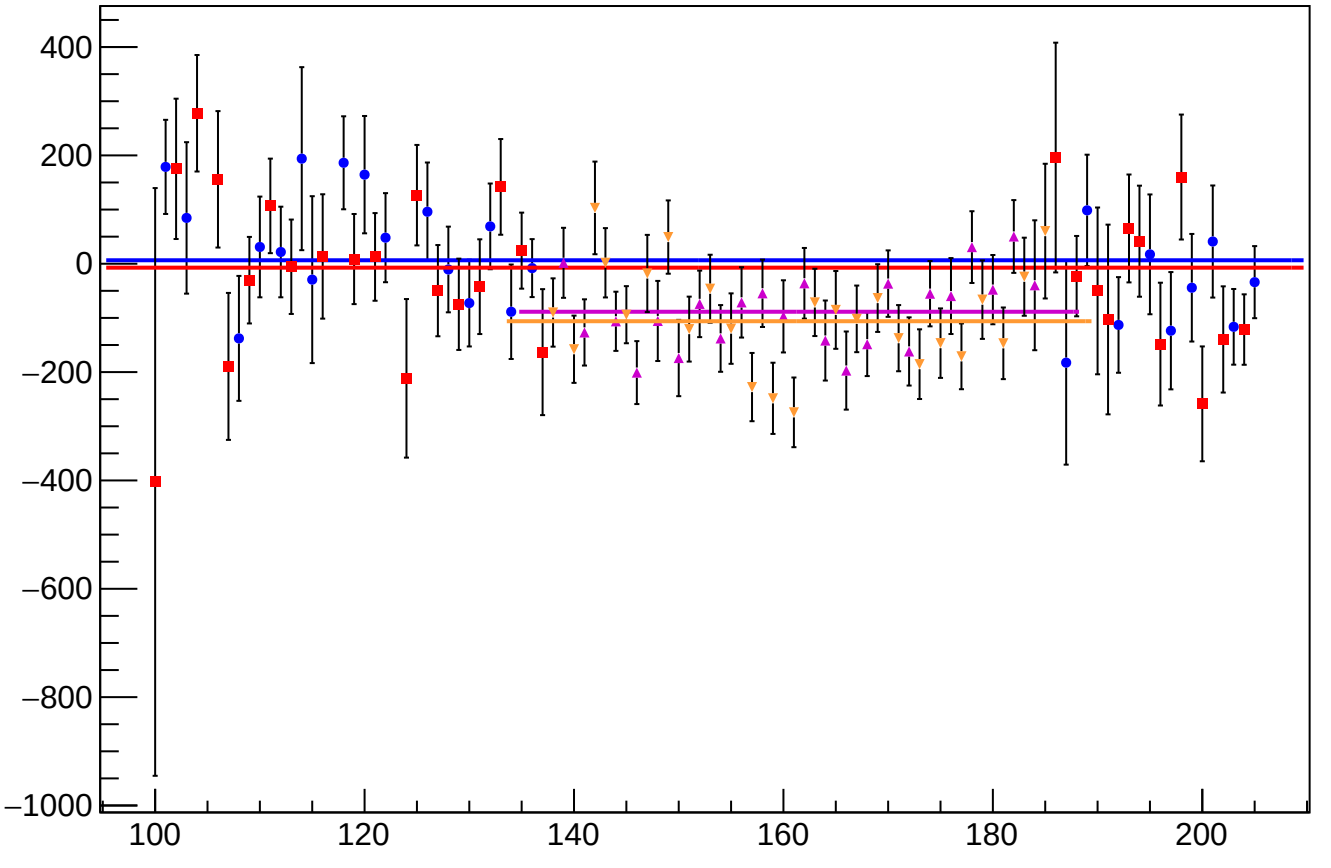
Left: 0.000+/-0.000 χ^2/NDF: 3841224.4/47

Right: 0.000+/-0.000 χ^2/NDF: 12306231.5/54

In: 0.000+/-0.000 χ^2/NDF:12228178.9/47

Out: 0.000+/-0.000 χ^2/NDF:12912855.0/54

All: 0.000+/-0.000 χ^2/NDF: 25141271.1/102



Right In: 6.429+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -7.232+/-17.966 χ^2/NDF: 41.2/29

Left In: -88.619+/-13.566 χ^2/NDF:23.9/22

Left: -97.672+/-9.420 χ^2/NDF: 65.4/47

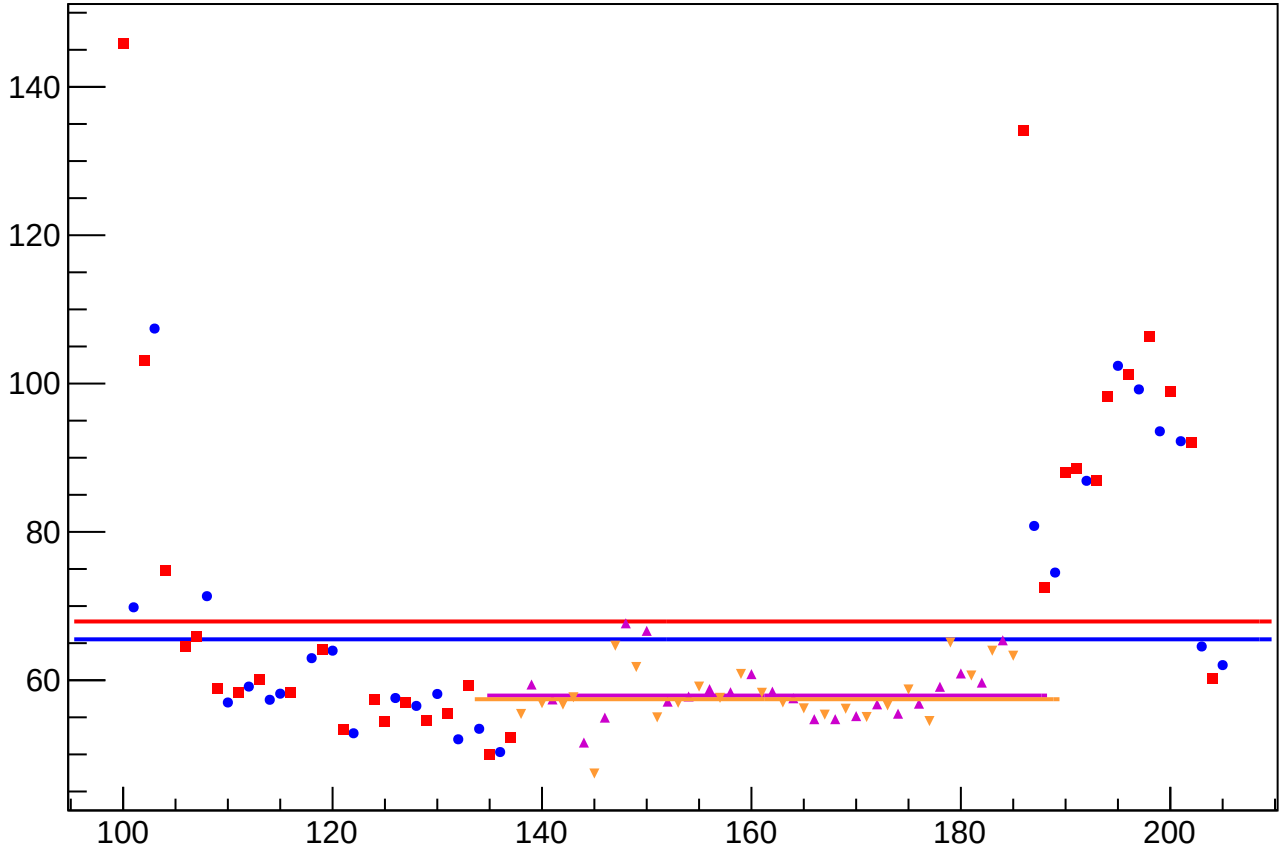
Right: -0.416+/-12.717 χ^2/NDF: 68.2/54

In: -54.196+/-10.835 χ^2/NDF:68.5/47

Out: -71.817+/-10.579 χ^2/NDF:101.6/54

All: -63.217+/-7.569 χ^2/NDF: 171.5/102

reg_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.516+/-0.013 χ^2/NDF: 1453178.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.923+/-0.013 χ^2/NDF: 1937747.1/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

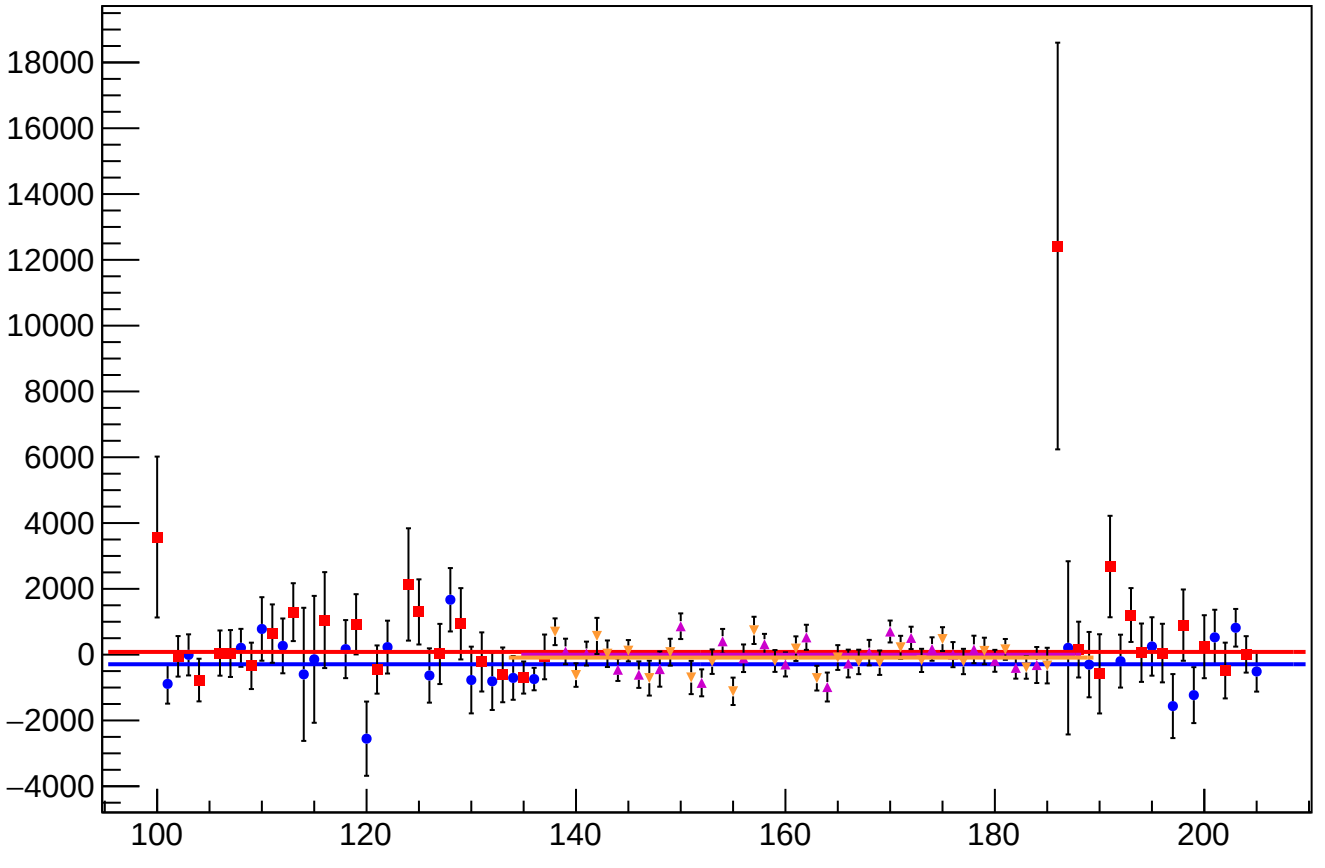
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.722+/-0.009 χ^2/NDF: 3408835.2/54

In: 60.679+/-0.008 χ^2/NDF:1815408.6/47

Out: 61.075+/-0.007 χ^2/NDF:2557101.0/54

All: 60.882+/-0.005 χ^2/NDF: 4373877.0/102



Right In: -291.879+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: 82.789+/-152.532 χ^2/NDF: 25.4/29

Left In: -3.046+/-79.193 χ^2/NDF:33.6/22

Left: -47.253+/-55.210 χ^2/NDF: 64.1/47

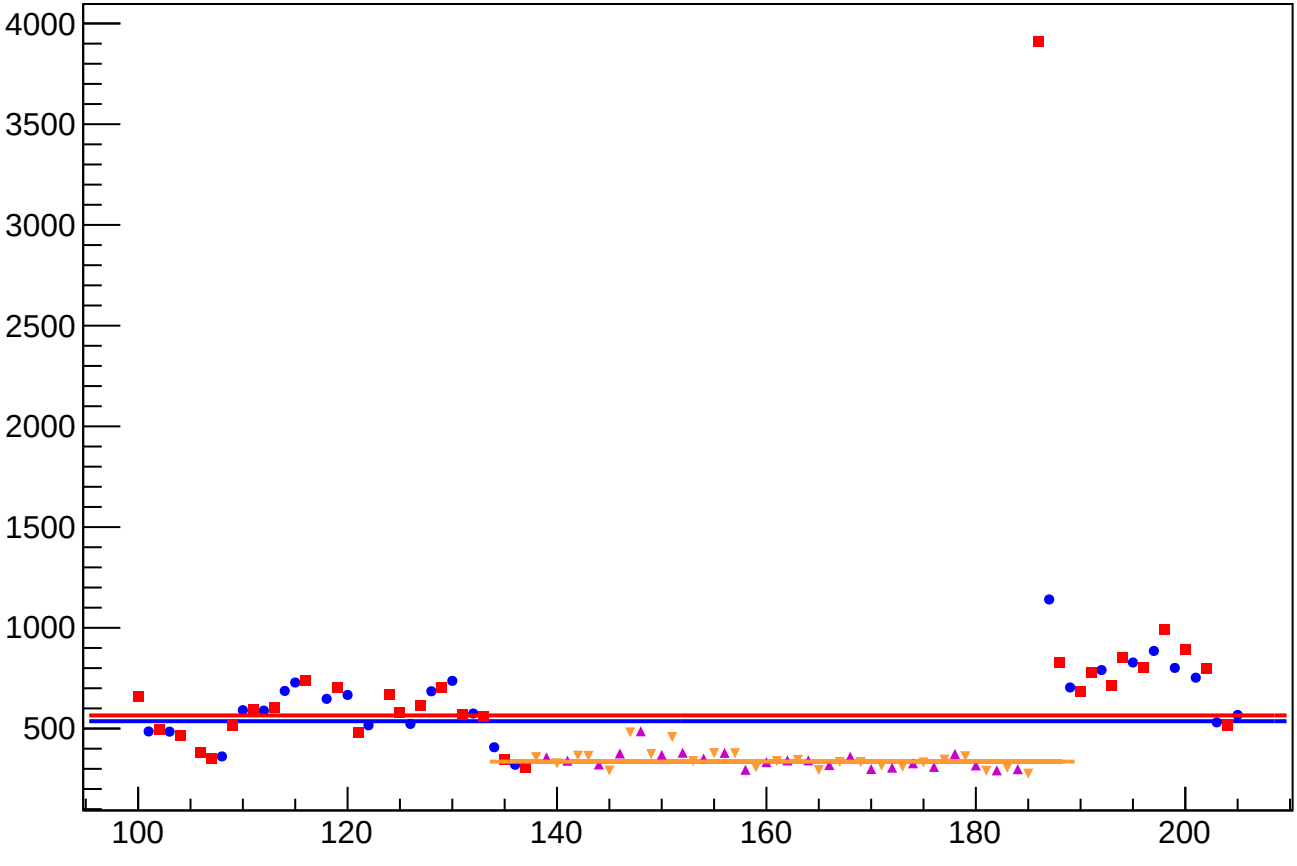
Right: -107.201+/-107.089 χ^2/NDF: 52.0/54

In: -65.753+/-70.071 χ^2/NDF:60.0/47

Out: -54.152+/-68.746 χ^2/NDF:56.3/54

All: -59.842+/-49.073 χ^2/NDF: 116.3/102

asym_sam_13_57_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 536.434+/-0.106 χ^2/NDF: 2491583.5/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 565.156+/-0.108 χ^2/NDF: 3220809.2/29

Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

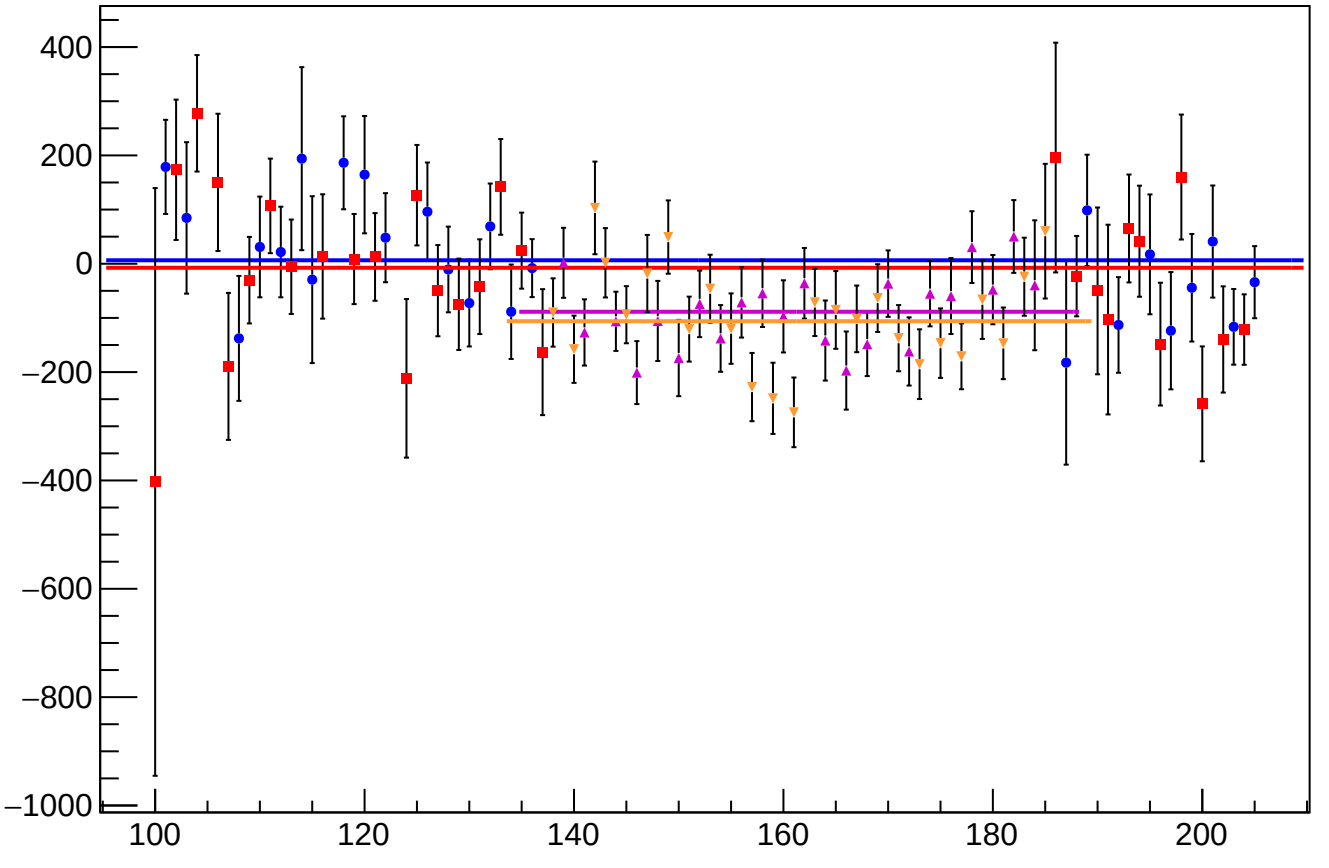
Left: 336.112+/-0.039 χ^2/NDF: 948070.1/47

Right: 550.591+/-0.076 χ^2/NDF: 5748352.9/54

In: 379.784+/-0.050 χ^2/NDF:5677692.2/47

Out: 382.464+/-0.049 χ^2/NDF:7355090.4/54

All: 381.149+/-0.035 χ^2/NDF: 13034273.2/10



Right In: 6.426+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -7.420+/-17.968 χ^2/NDF: 41.0/29

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

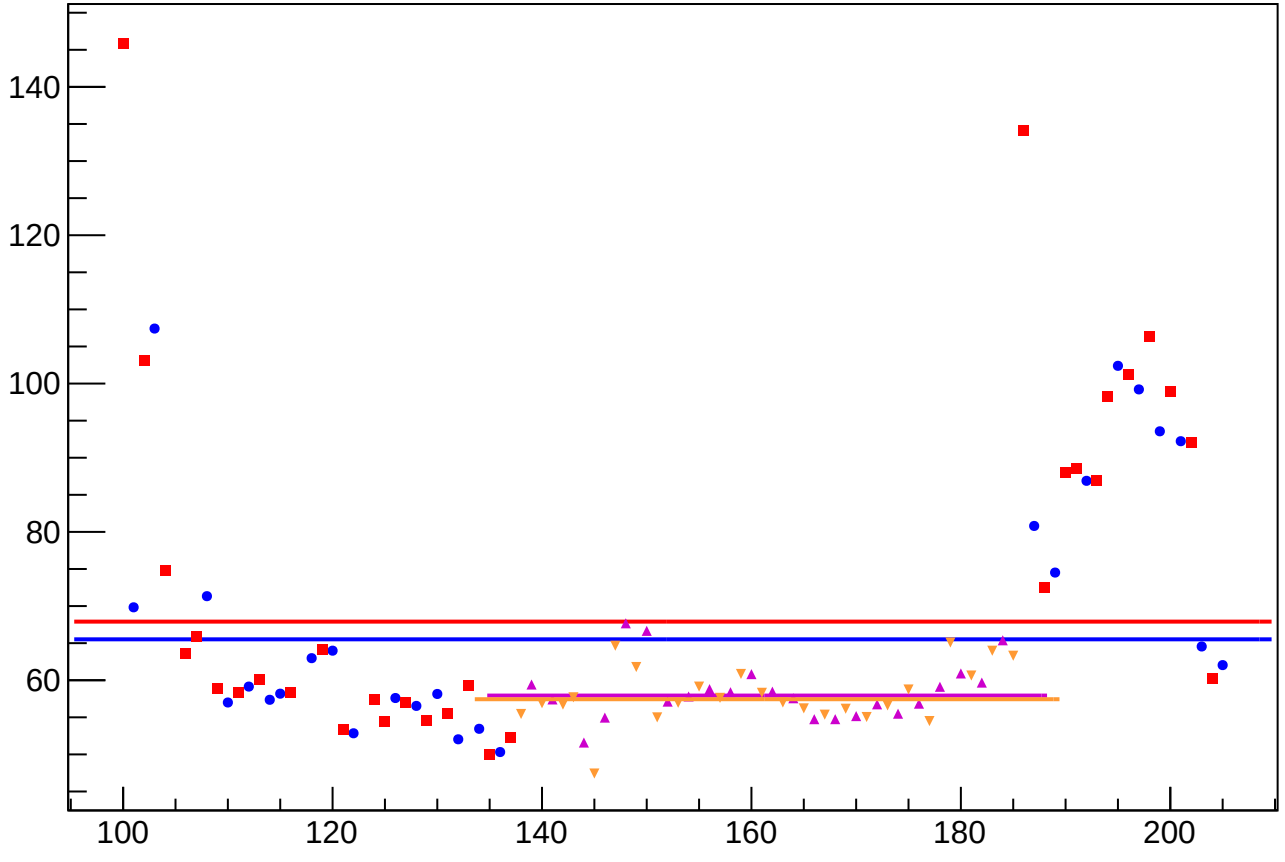
Right: -0.511+/-12.718 χ^2/NDF: 68.1/54

In: -54.199+/-10.835 χ^2/NDF:68.5/47

Out: -71.888+/-10.580 χ^2/NDF:101.4/54

All: -63.254+/-7.569 χ^2/NDF: 171.2/102

cor_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 65.516+/-0.013 χ^2/NDF: 1453180.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.904+/-0.013 χ^2/NDF: 1938883.0/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

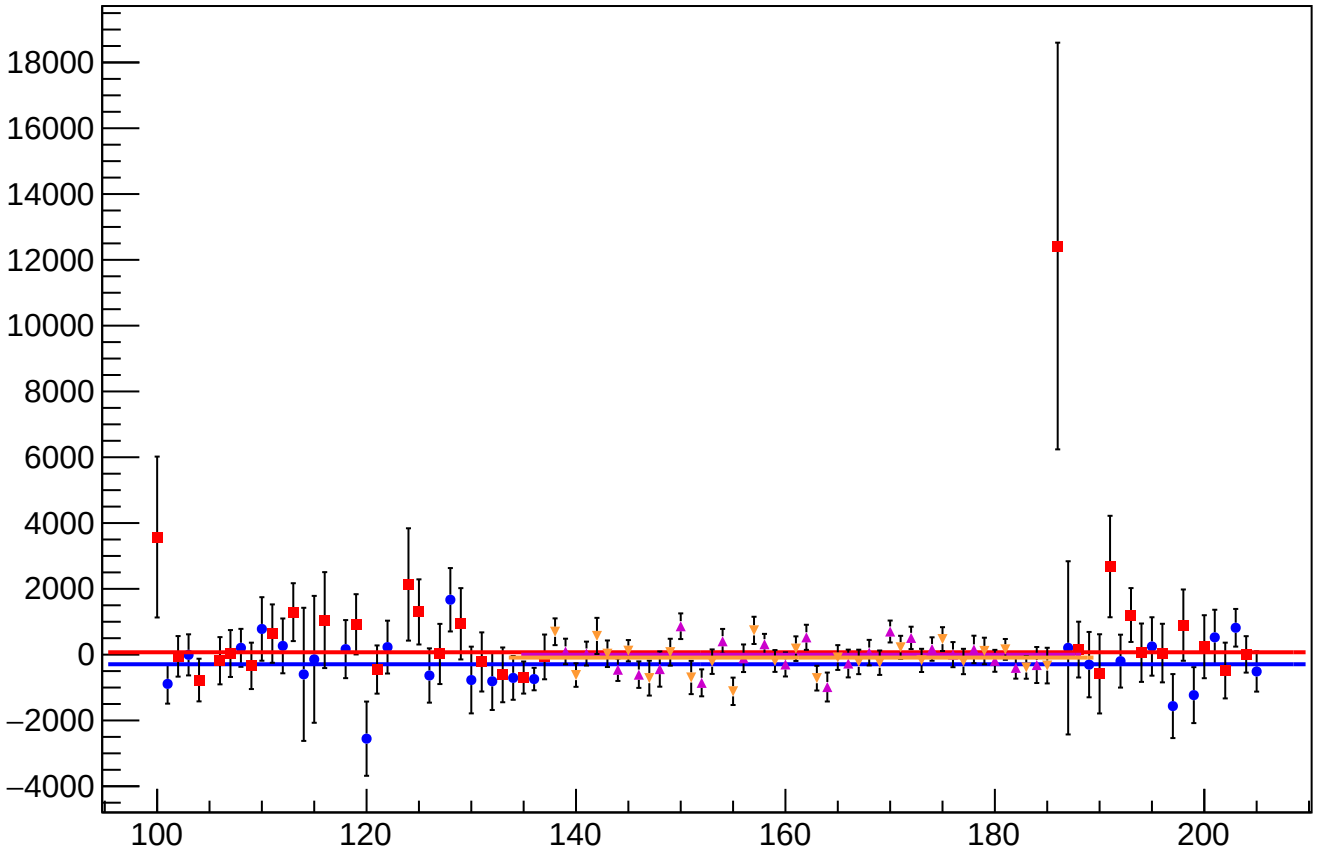
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.712+/-0.009 χ^2/NDF: 3409690.9/54

In: 60.679+/-0.008 χ^2/NDF:1815410.6/47

Out: 61.068+/-0.007 χ^2/NDF:2556565.2/54

All: 60.878+/-0.005 χ^2/NDF: 4373294.4/102



Right In: -291.855+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 72.399+/-152.859 χ^2/NDF: 25.5/29

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

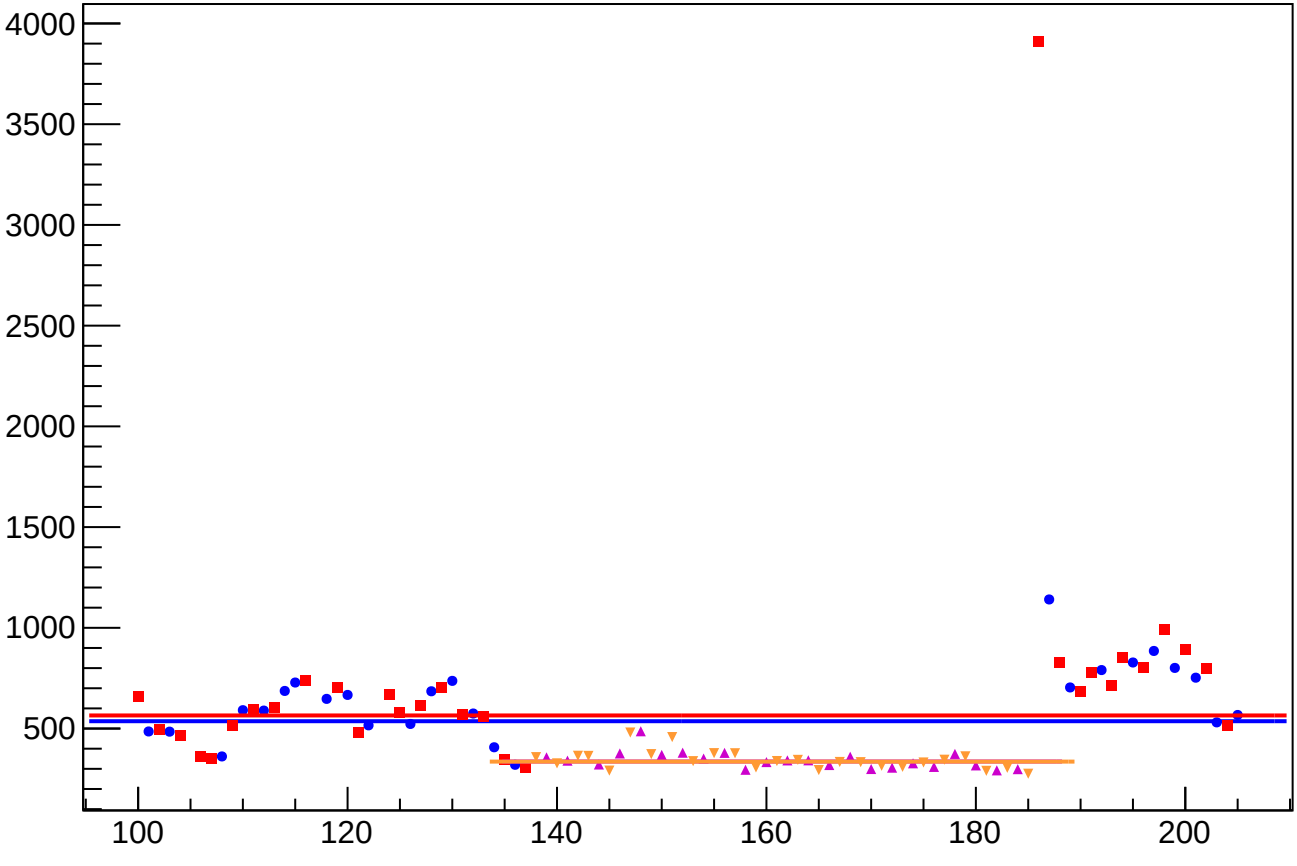
Right: -112.698+/-107.202 χ^2/NDF: 51.9/54

In: -65.749+/-70.071 χ^2/NDF:60.0/47

Out: -56.375+/-68.776 χ^2/NDF:56.3/54

All: -60.975+/-49.083 χ^2/NDF: 116.3/102

asym_sam_13_57_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 536.436+/-0.106 χ^2/NDF: 2491560.9/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 565.009+/-0.108 χ^2/NDF: 3239906.9/29

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

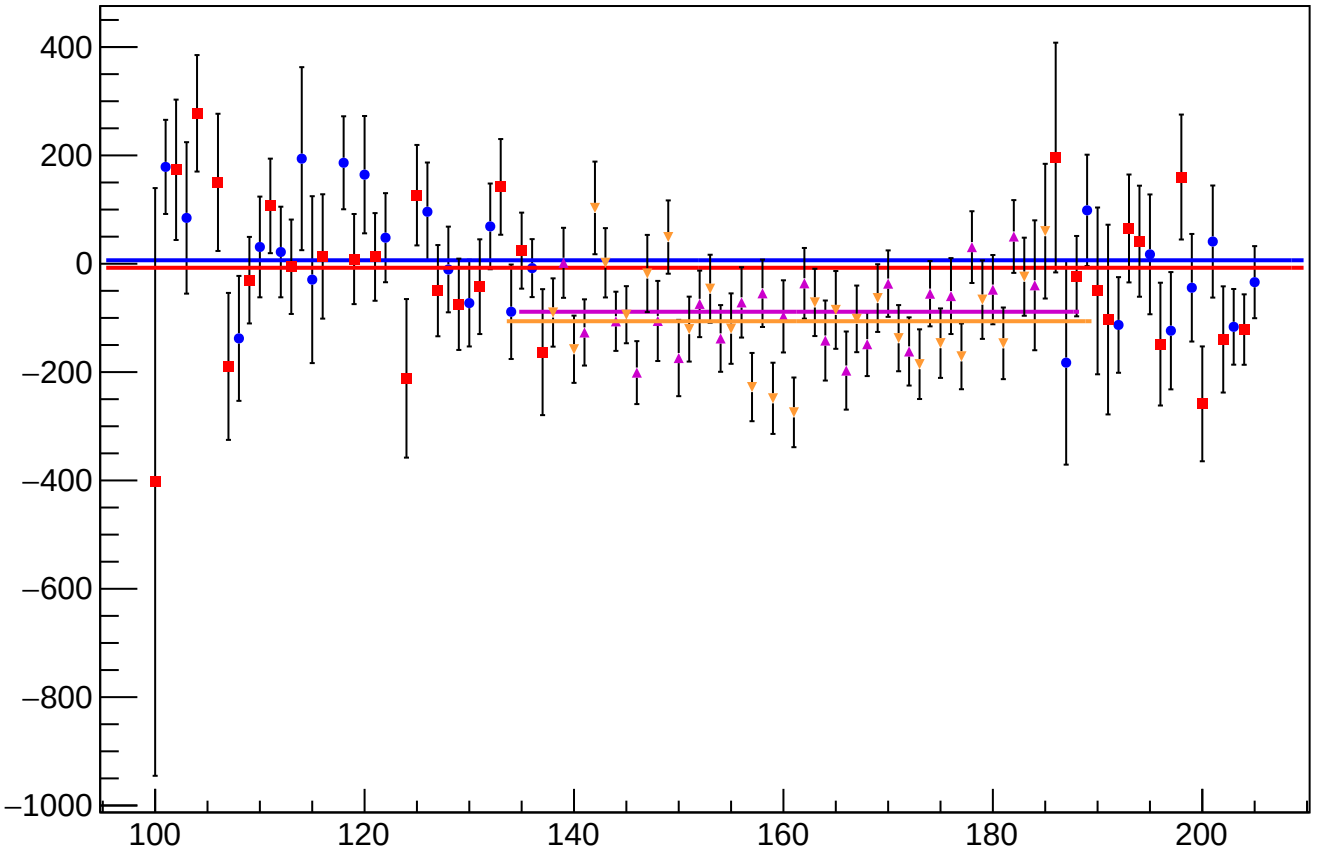
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 550.489+/-0.076 χ^2/NDF: 5766977.6/54

In: 379.784+/-0.050 χ^2/NDF:5677724.2/47

Out: 382.276+/-0.049 χ^2/NDF:7357339.4/54

All: 381.053+/-0.035 χ^2/NDF: 13036351.5/10



Right In: 6.426+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -7.420+/-17.968 χ^2/NDF: 41.0/29

Left In: -88.621+/-13.566 χ^2/NDF:23.9/22

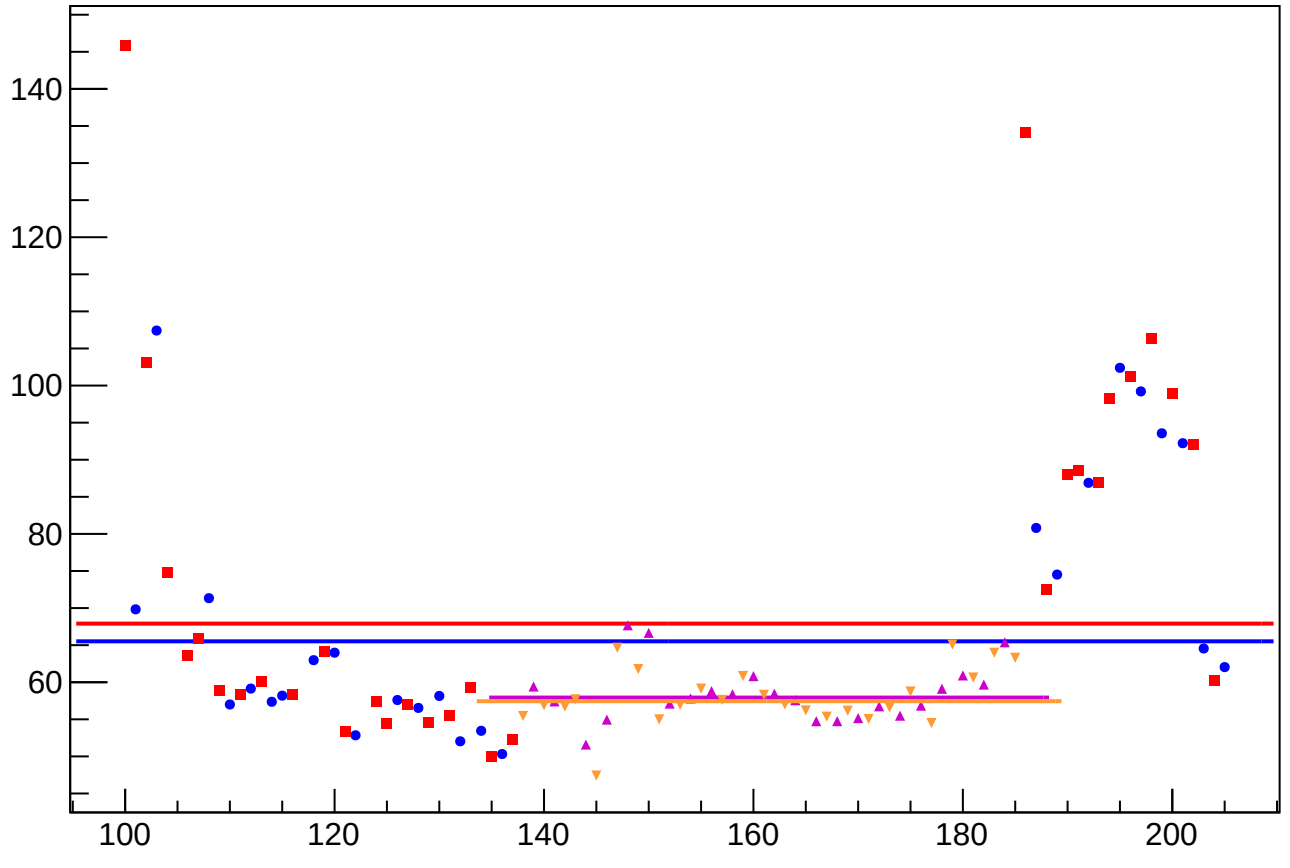
Left: -97.673+/-9.420 χ^2/NDF: 65.4/47

Right: -0.511+/-12.718 χ^2/NDF: 68.1/54

In: -54.199+/-10.835 χ^2/NDF:68.5/47

Out: -71.888+/-10.580 χ^2/NDF:101.4/54

All: -63.254+/-7.569 χ^2/NDF: 171.2/102



Right In: 65.516+/-0.013 χ^2/NDF: 1453180.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.904+/-0.013 χ^2/NDF: 1938883.0/29

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

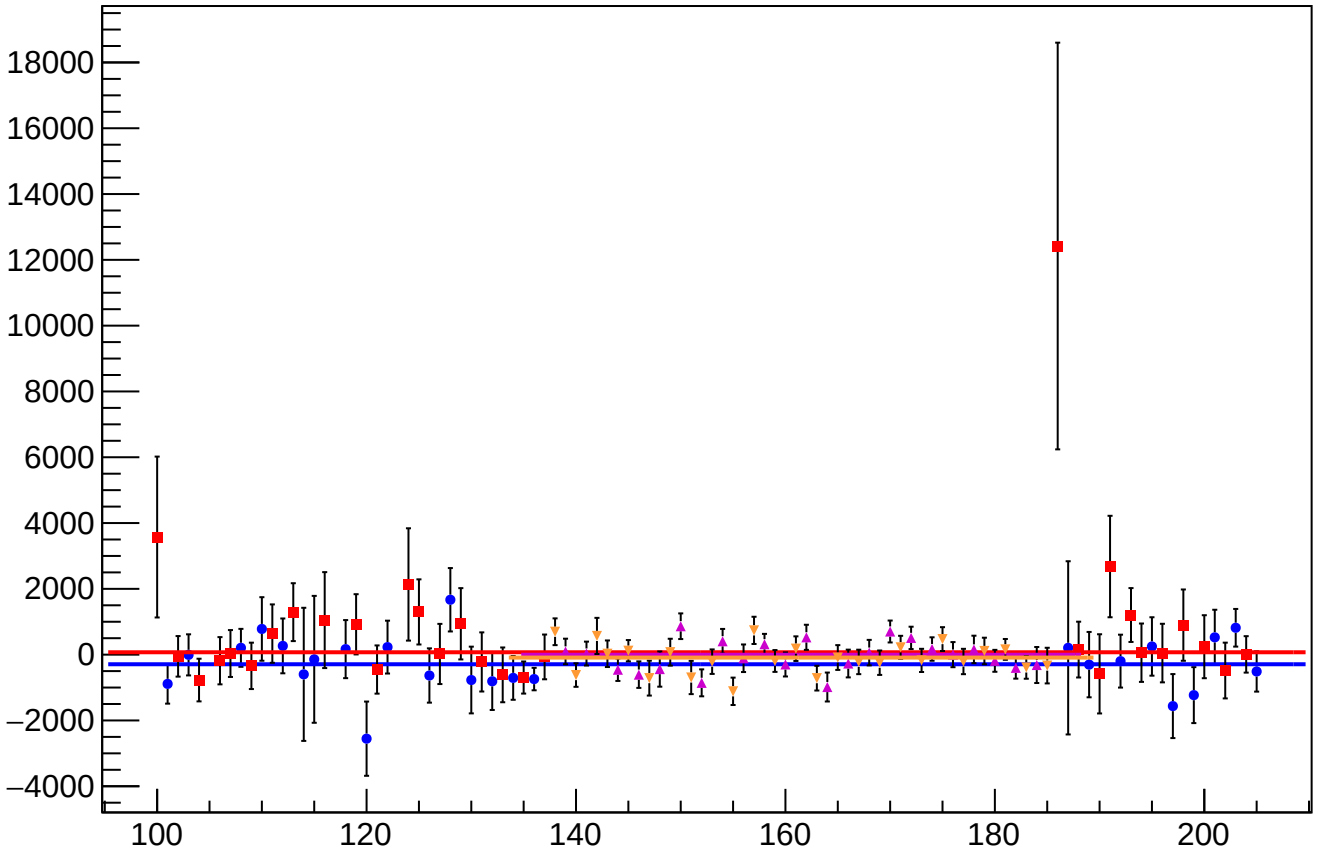
Left: 57.678+/-0.007 χ^2/NDF: 311823.9/47

Right: 66.712+/-0.009 χ^2/NDF: 3409690.9/54

In: 60.679+/-0.008 χ^2/NDF:1815410.6/47

Out: 61.068+/-0.007 χ^2/NDF:2556565.2/54

All: 60.878+/-0.005 χ^2/NDF: 4373294.4/102



Right In: -291.855+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: 72.399+/-152.859 χ^2/NDF: 25.5/29

Left In: -3.047+/-79.193 χ^2/NDF:33.6/22

Left: -47.256+/-55.210 χ^2/NDF: 64.1/47

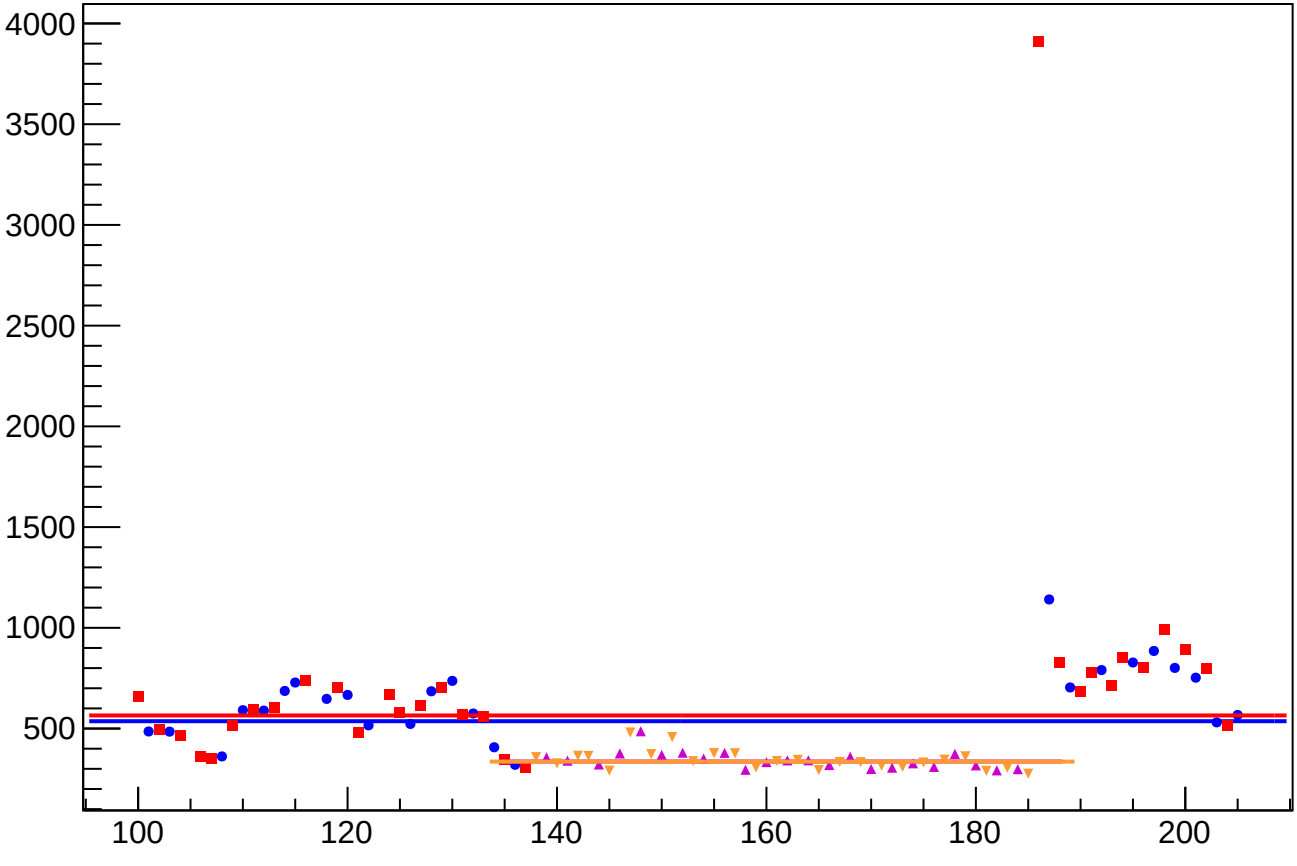
Right: -112.698+/-107.202 χ^2/NDF: 51.9/54

In: -65.749+/-70.071 χ^2/NDF:60.0/47

Out: -56.375+/-68.776 χ^2/NDF:56.3/54

All: -60.975+/-49.083 χ^2/NDF: 116.3/102

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 536.436+/-0.106 χ^2/NDF: 2491560.9/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 565.009+/-0.108 χ^2/NDF: 3239906.9/29

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

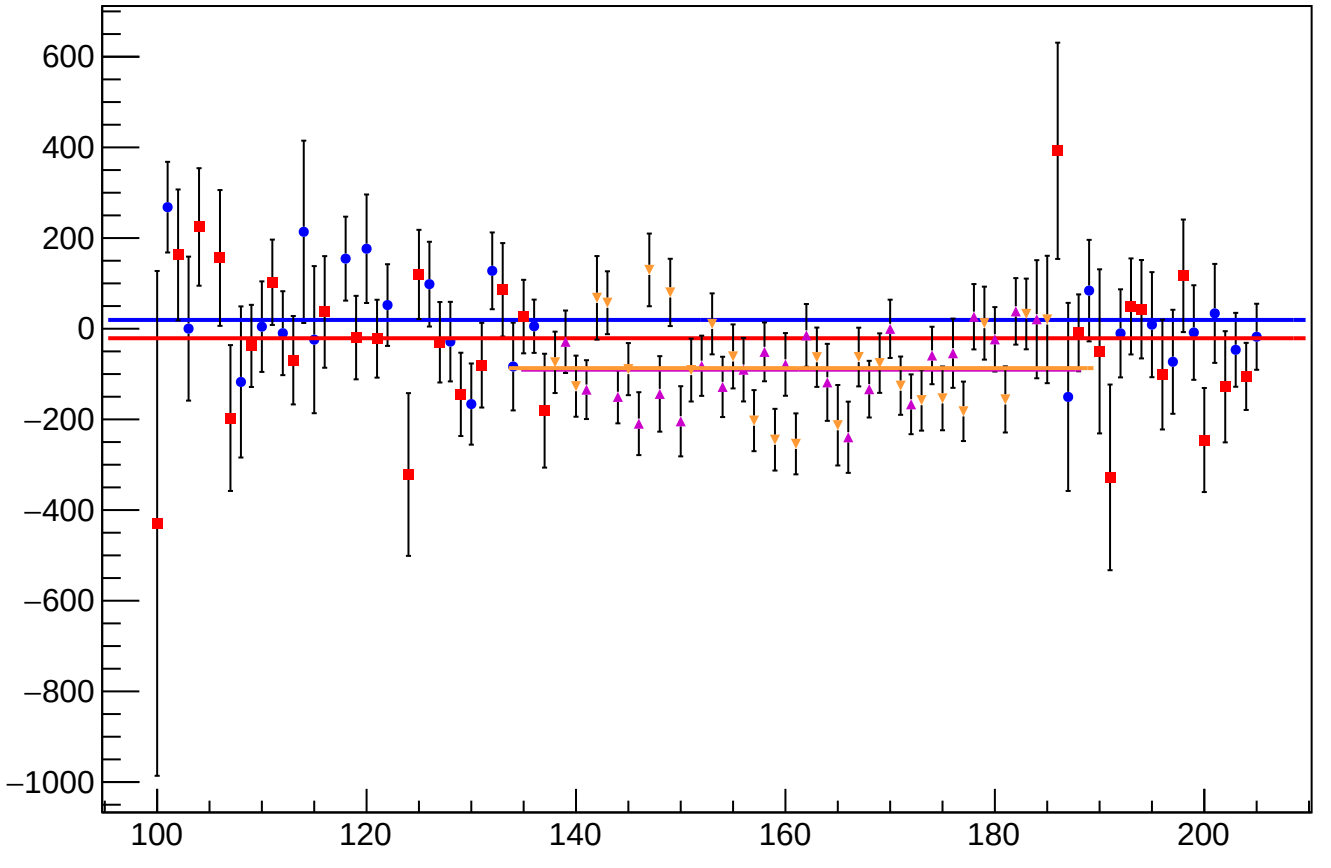
Left: 336.112+/-0.039 χ^2/NDF: 948074.8/47

Right: 550.489+/-0.076 χ^2/NDF: 5766977.6/54

In: 379.784+/-0.050 χ^2/NDF:5677724.2/47

Out: 382.276+/-0.049 χ^2/NDF:7357339.4/54

All: 381.053+/-0.035 χ^2/NDF: 13036351.5/10



Right In: 19.395+/-19.825 χ^2/NDF: 22.9/24

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: -20.988+/-19.999 χ^2/NDF: 34.3/29

Left In: -90.363+/-14.656 χ^2/NDF:25.0/22

Left: -88.603+/-10.189 χ^2/NDF: 73.9/47

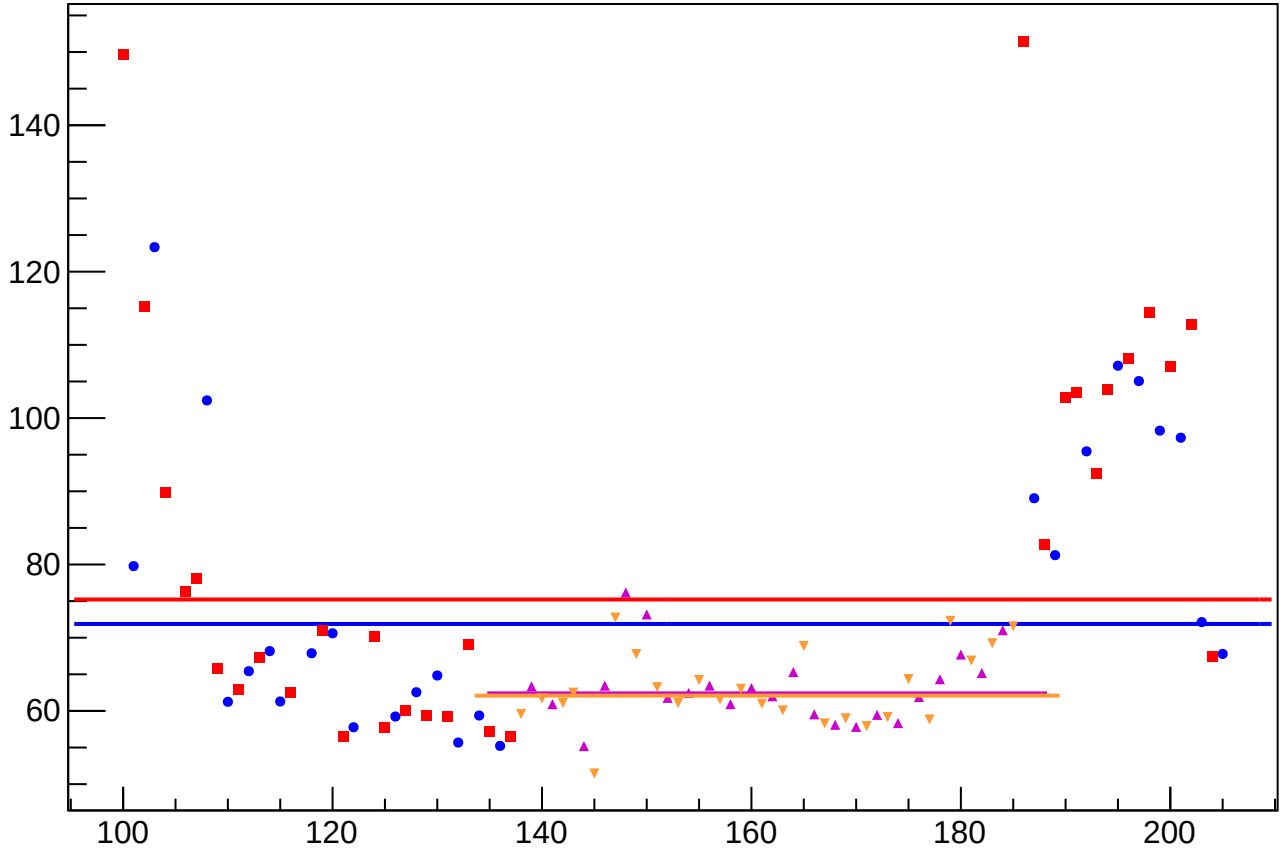
Right: -0.620+/-14.080 χ^2/NDF: 59.2/54

In: -51.576+/-11.786 χ^2/NDF:67.7/47

Out: -64.899+/-11.565 χ^2/NDF:90.4/54

All: -58.363+/-8.254 χ^2/NDF: 158.8/102

dit_asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 71.877+/-0.014 χ^2/NDF: 1464376.6/24

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

Right Out: 75.221+/-0.014 χ^2/NDF: 2005929.6/29

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

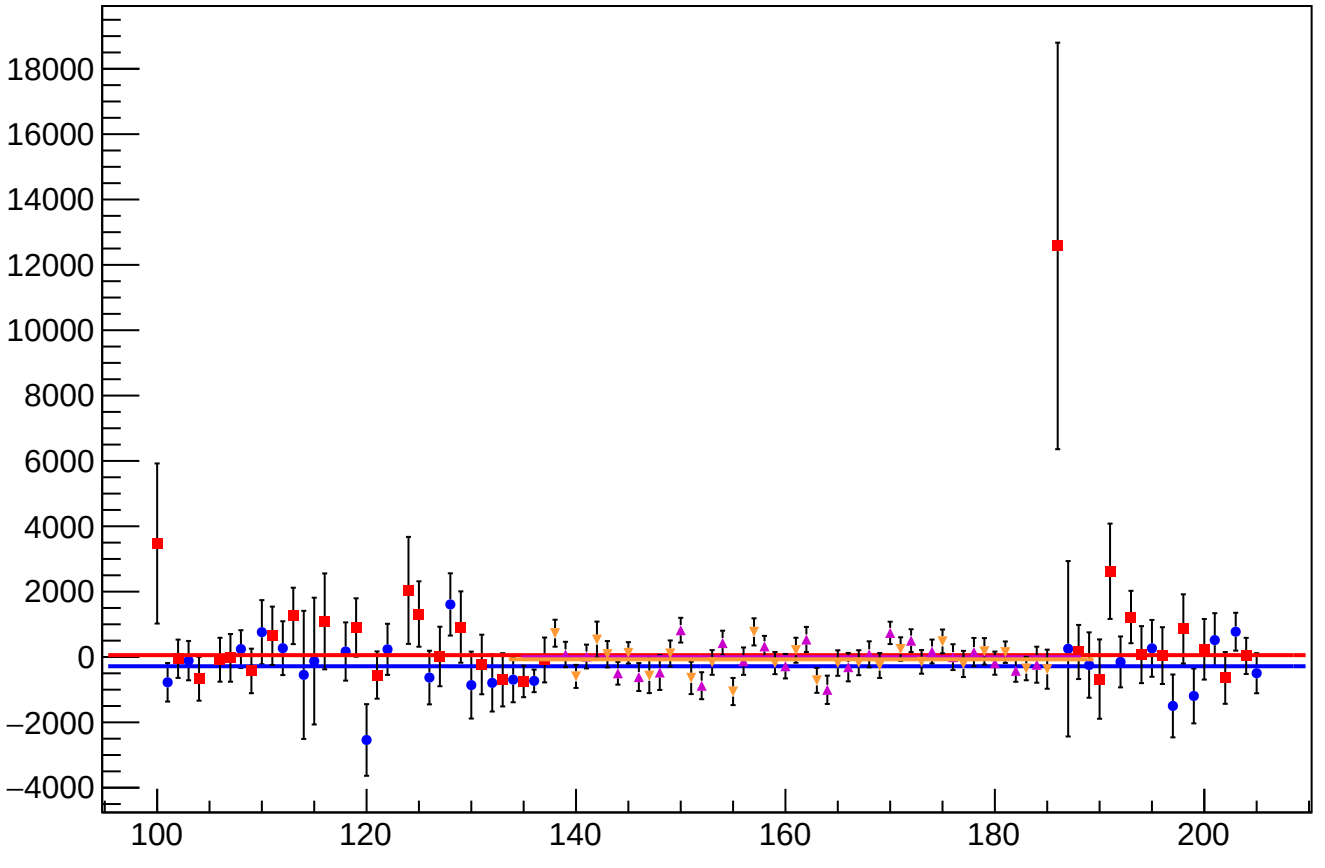
Left: 62.239+/-0.007 χ^2/NDF: 422596.0/47

Right: 73.535+/-0.010 χ^2/NDF: 3498516.7/54

In: 65.746+/-0.008 χ^2/NDF:1949001.2/47

Out: 66.483+/-0.008 χ^2/NDF:2812923.6/54

All: 66.121+/-0.006 χ^2/NDF: 4765908.5/102



Right In: -283.508+/-149.956 χ^2/NDF: 22.6/24

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 56.200+/-150.627 χ^2/NDF: 26.7/29

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

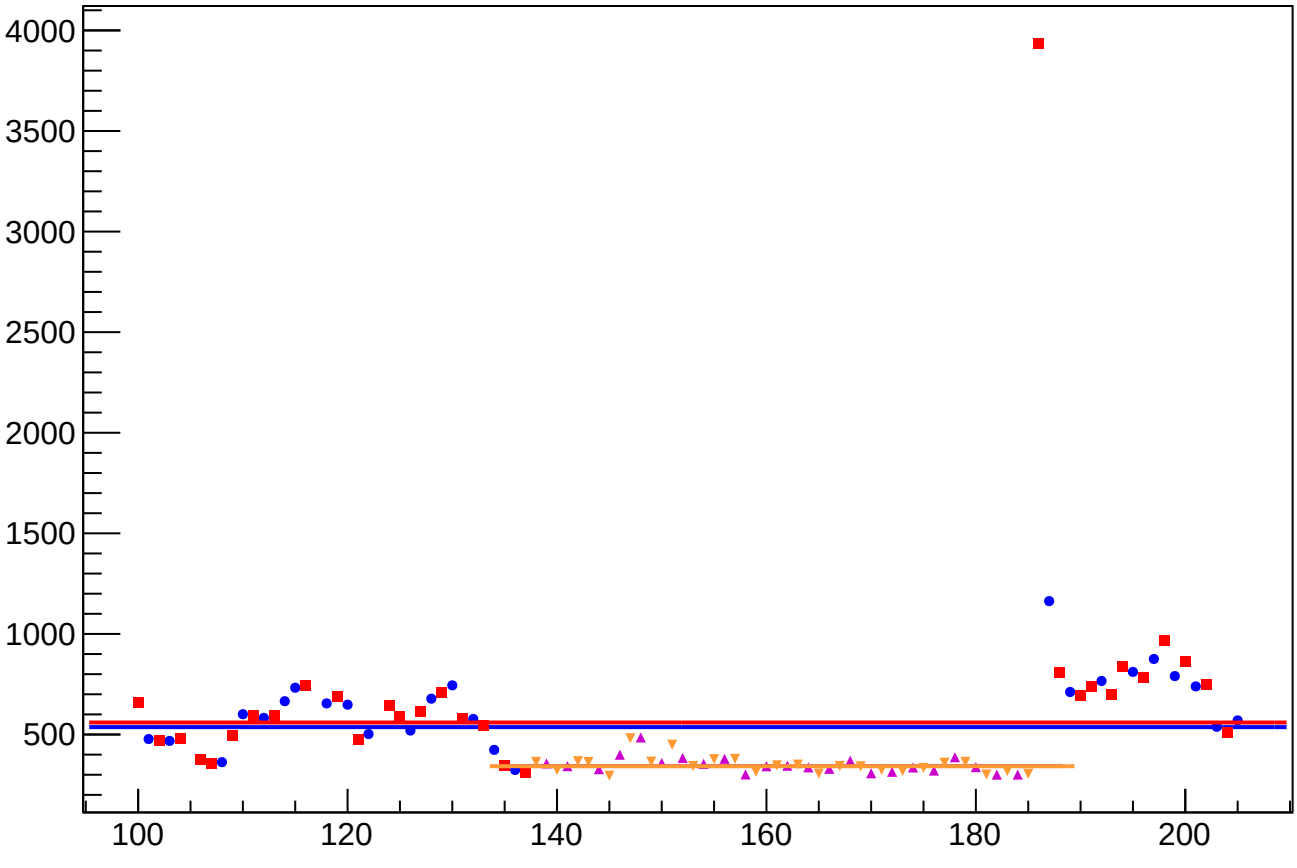
Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

Right: -114.413+/-106.271 χ^2/NDF: 51.8/54

In: -68.497+/-71.104 χ^2/NDF:59.2/47

Out: -44.141+/-69.543 χ^2/NDF:55.8/54

All: -56.049+/-49.717 χ^2/NDF: 115.1/102



Right In: 536.683+/-0.106 χ^2/NDF: 2379506.5/24

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 559.678+/-0.107 χ^2/NDF: 3084681.7/29

Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

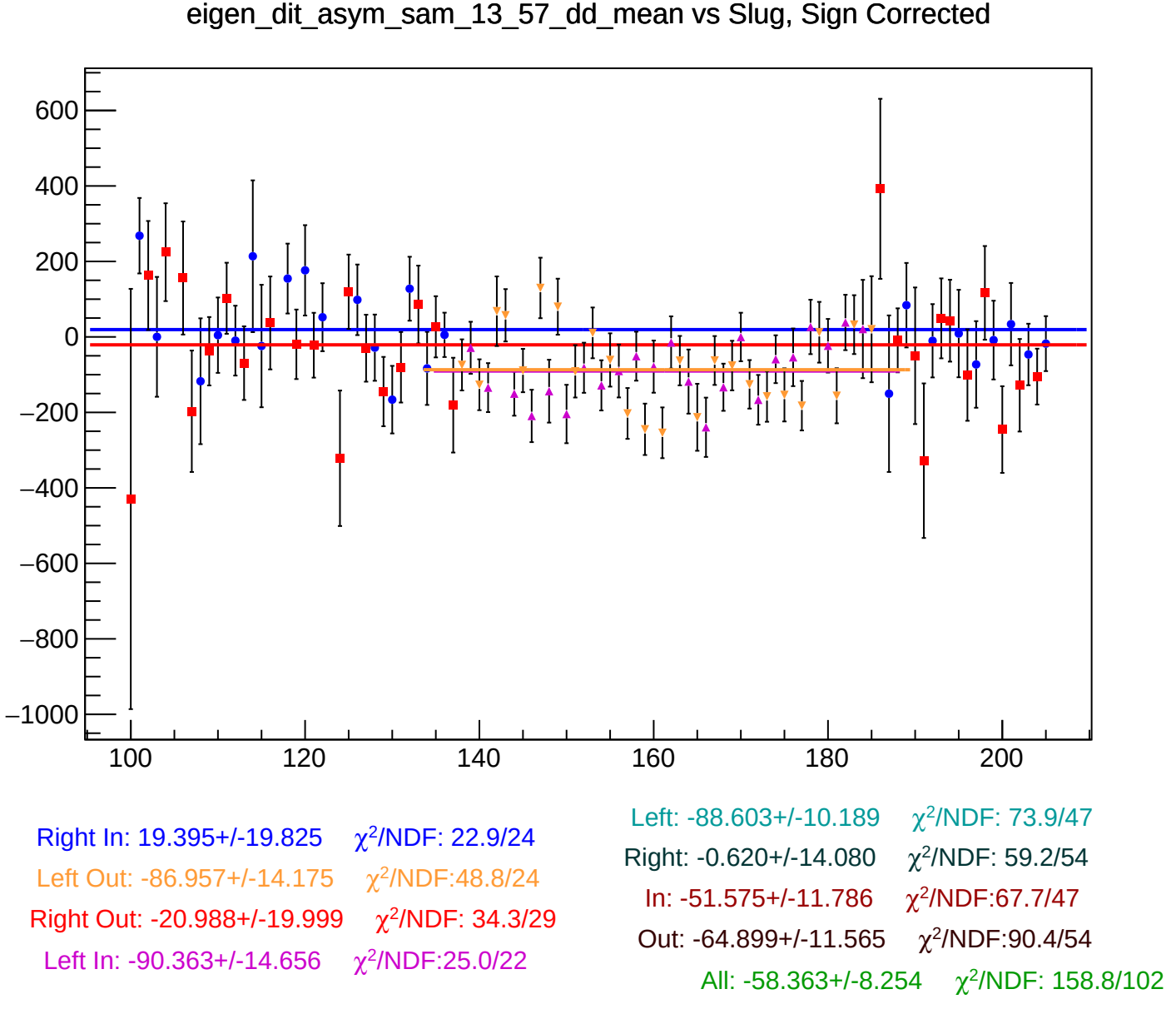
Left: 342.863+/-0.040 χ^2/NDF: 807286.9/47

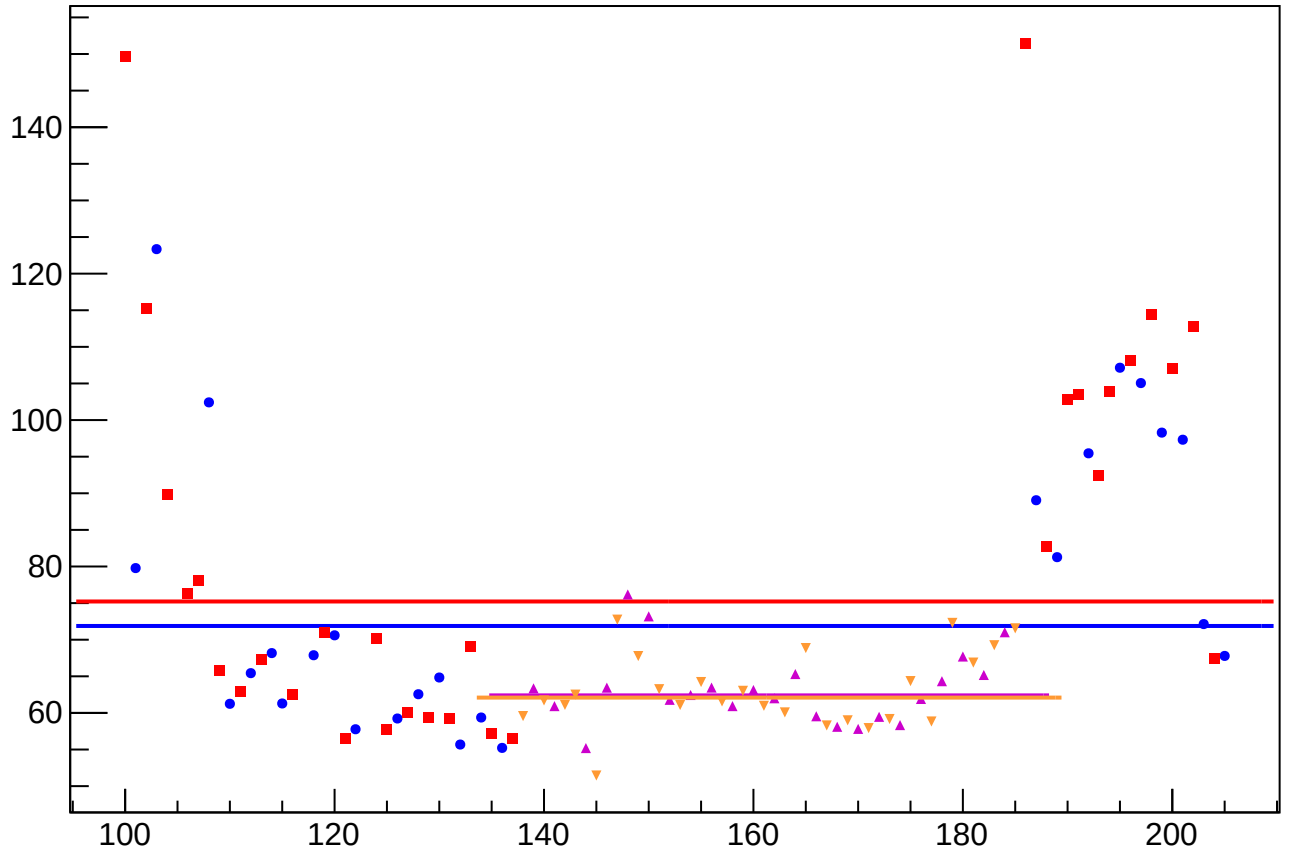
Right: 548.129+/-0.075 χ^2/NDF: 5487599.3/54

In: 386.736+/-0.050 χ^2/NDF:5332276.7/47

Out: 388.796+/-0.049 χ^2/NDF:6790310.3/54

All: 387.789+/-0.035 χ^2/NDF: 12123444.7/10


eigen_dit_asym_sam_13_57_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: 19.395+/-19.825 χ²/NDF: 22.9/24
Left Out: -86.957+/-14.175 χ²/NDF:48.8/24
Right Out: -20.988+/-19.999 χ²/NDF: 34.3/29
Left In: -90.363+/-14.656 χ²/NDF:25.0/22
Left: -88.603+/-10.189 χ²/NDF: 73.9/47
Right: -0.620+/-14.080 χ²/NDF: 59.2/54
In: -51.575+/-11.786 χ²/NDF:67.7/47
Out: -64.899+/-11.565 χ²/NDF:90.4/54
All: -58.363+/-8.254 χ²/NDF: 158.8/102



Right In: 71.877+/-0.014 χ^2/NDF: 1464397.8/24

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

Right Out: 75.221+/-0.014 χ^2/NDF: 2005932.2/29

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

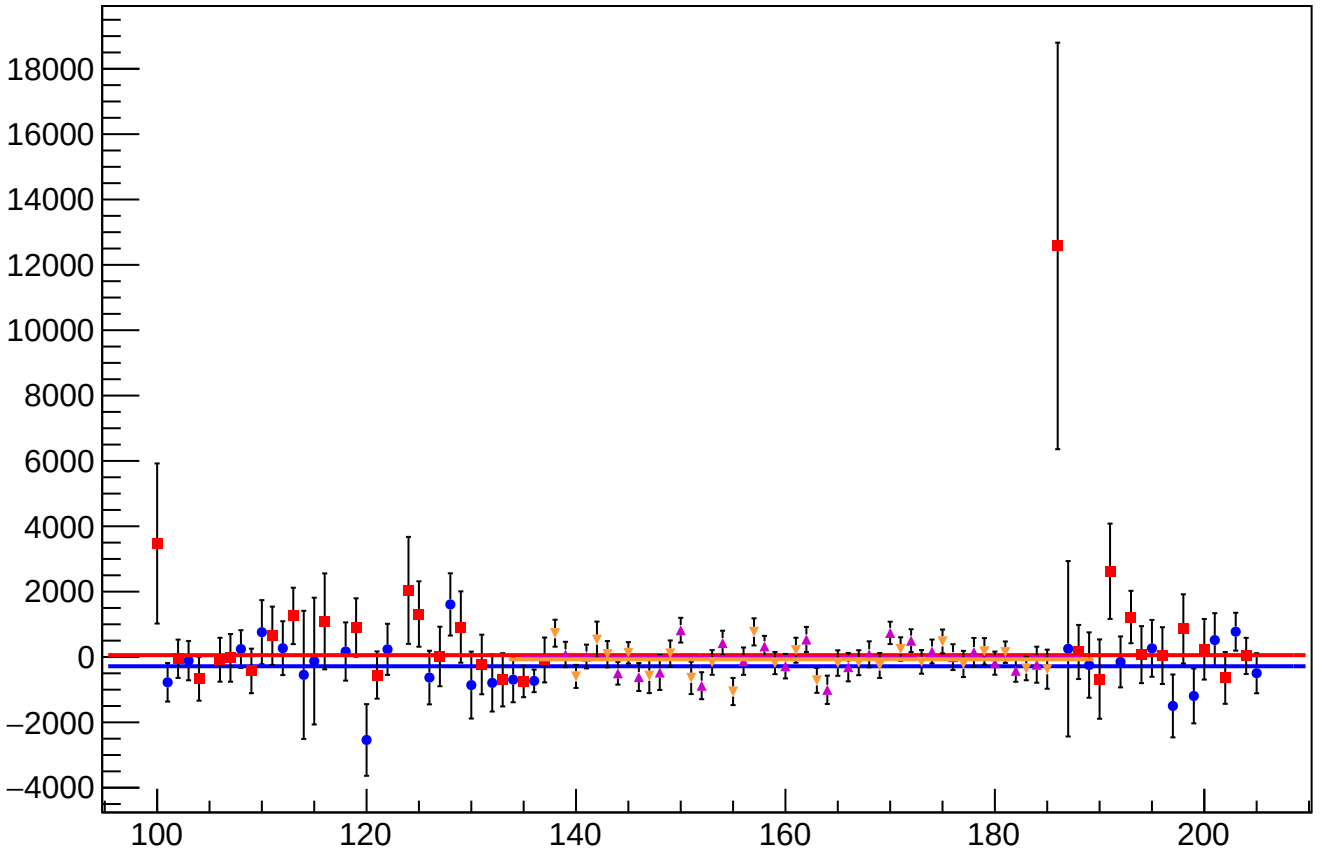
Left: 62.239+/-0.007 χ^2/NDF: 422603.3/47

Right: 73.535+/-0.010 χ^2/NDF: 3498540.6/54

In: 65.746+/-0.008 χ^2/NDF:1949019.6/47

Out: 66.483+/-0.008 χ^2/NDF:2812924.9/54

All: 66.121+/-0.006 χ^2/NDF: 4765928.0/102



Right In: -283.508+/-149.955 χ^2/NDF: 22.6/24

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: 56.199+/-150.626 χ^2/NDF: 26.7/29

Left In: -6.134+/-80.760 χ^2/NDF:34.0/22

Left: -39.696+/-56.253 χ^2/NDF: 62.9/47

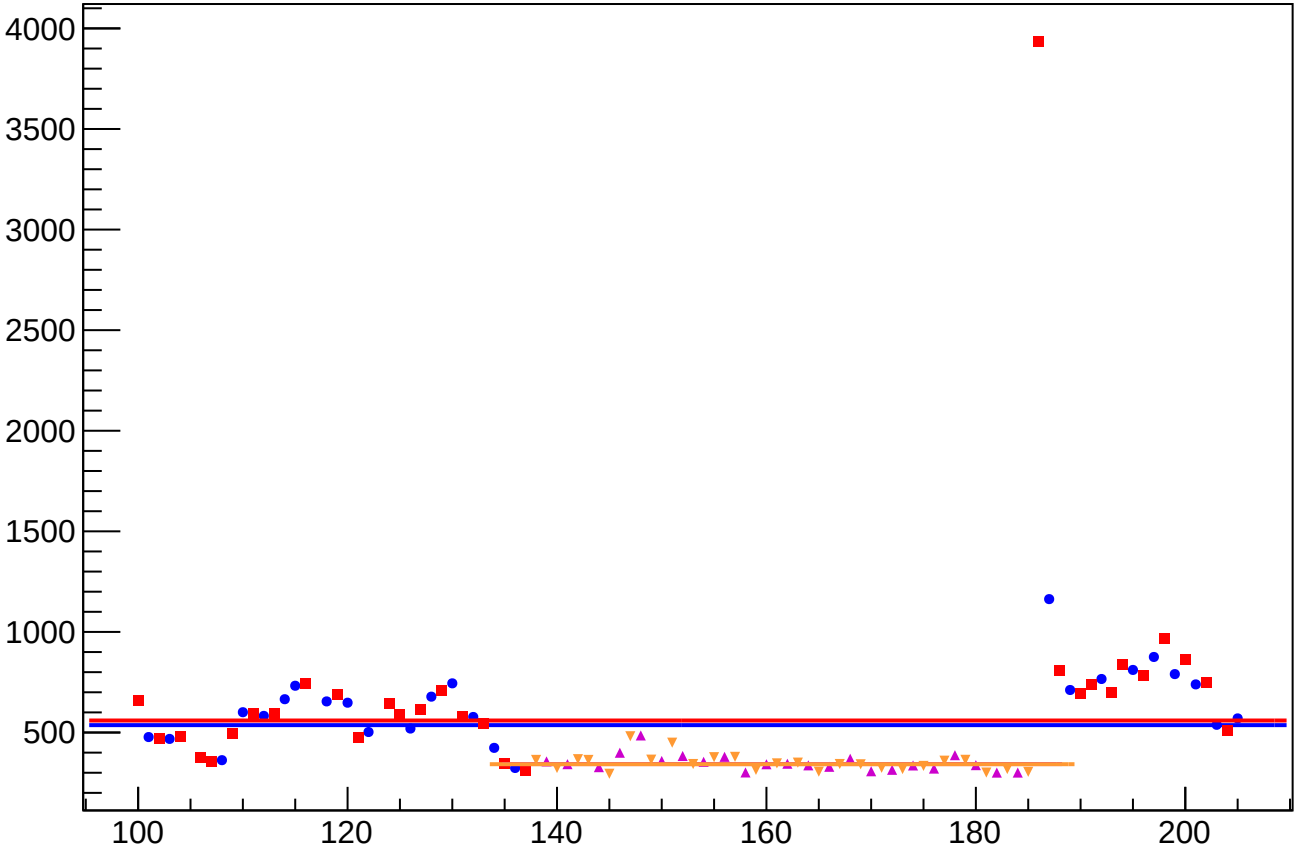
Right: -114.413+/-106.271 χ^2/NDF: 51.8/54

In: -68.497+/-71.104 χ^2/NDF:59.2/47

Out: -44.141+/-69.543 χ^2/NDF:55.8/54

All: -56.049+/-49.717 χ^2/NDF: 115.1/102

asym_sam_13_57_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 536.682+/-0.106 χ^2/NDF: 2379510.5/24

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 559.678+/-0.107 χ^2/NDF: 3084688.0/29

Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

Left: 342.863+/-0.040 χ^2/NDF: 807291.0/47

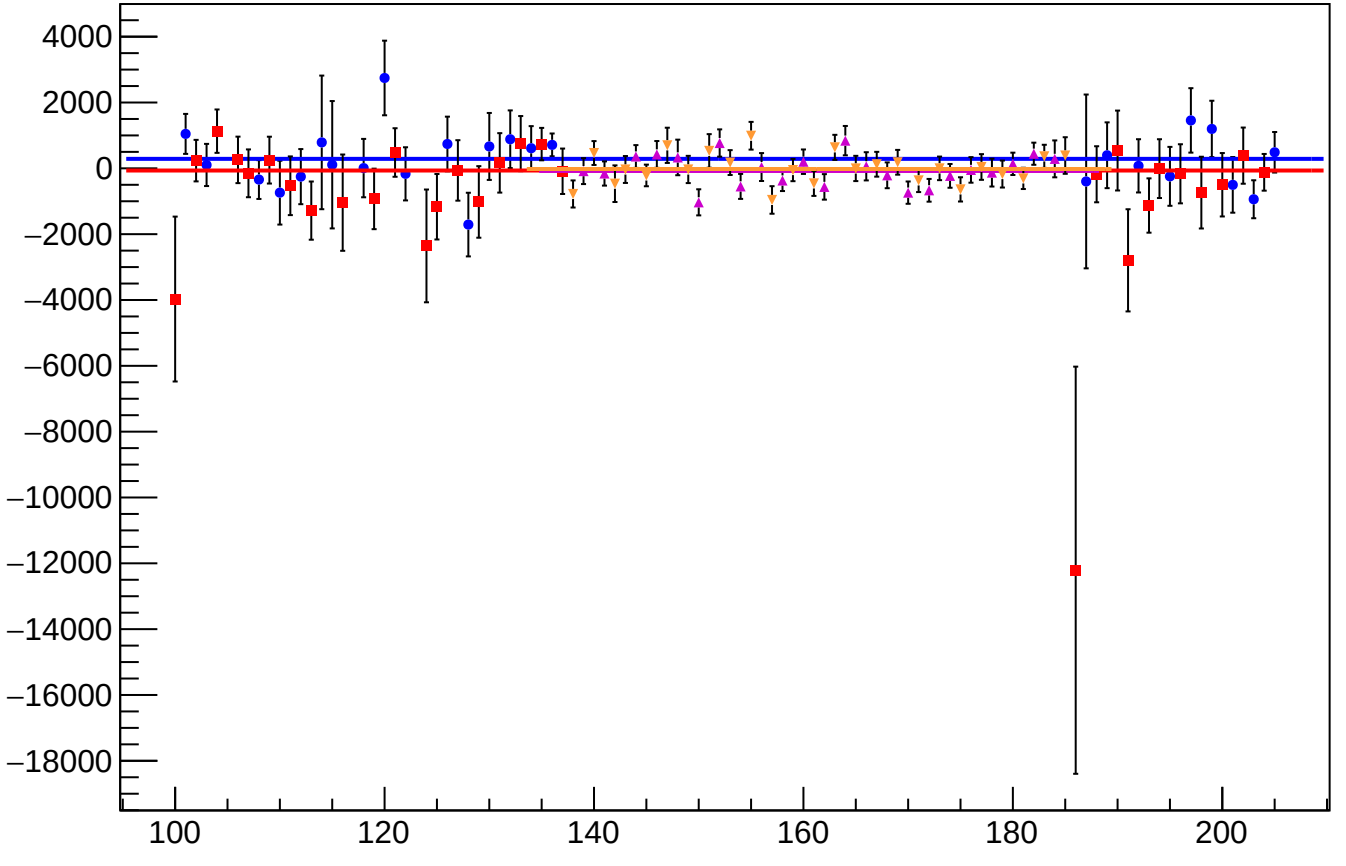
Right: 548.129+/-0.075 χ^2/NDF: 5487609.3/54

In: 386.736+/-0.050 χ^2/NDF:5332267.5/47

Out: 388.796+/-0.049 χ^2/NDF:6790302.5/54

All: 387.789+/-0.035 χ^2/NDF: 12123427.5/10

asym_sam_13_57_dd_mean vs Slug, Sign Corrected



Right In: 288.129+/-151.894 χ^2/NDF: 25.0/24

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: -66.152+/-154.108 χ^2/NDF: 27.6/29

Left In: -78.719+/-80.410 χ^2/NDF:32.9/22

Left: -48.680+/-56.059 χ^2/NDF: 64.6/47

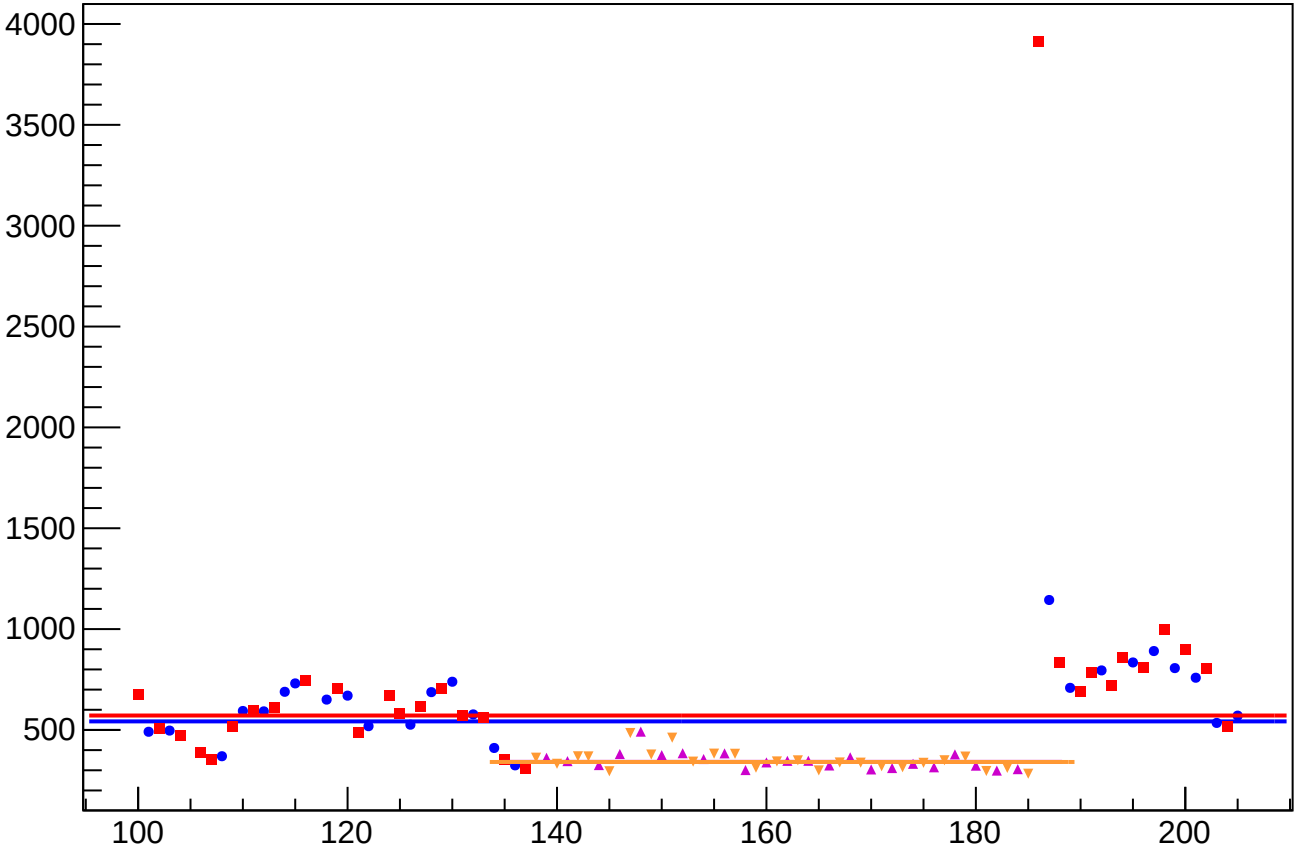
Right: 113.551+/-108.180 χ^2/NDF: 55.3/54

In: 1.584+/-71.066 χ^2/NDF:62.4/47

Out: -29.666+/-69.733 χ^2/NDF:59.2/54

All: -14.337+/-49.773 χ^2/NDF: 121.7/102

asym_sam_13_57_dd_rms vs Slug, Sign Corrected



Right In: 542.427+/-0.107 χ^2/NDF: 2437473.6/24

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

Right Out: 571.531+/-0.109 χ^2/NDF: 3161893.8/29

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

Left: 341.405+/-0.040 χ^2/NDF: 907768.0/47

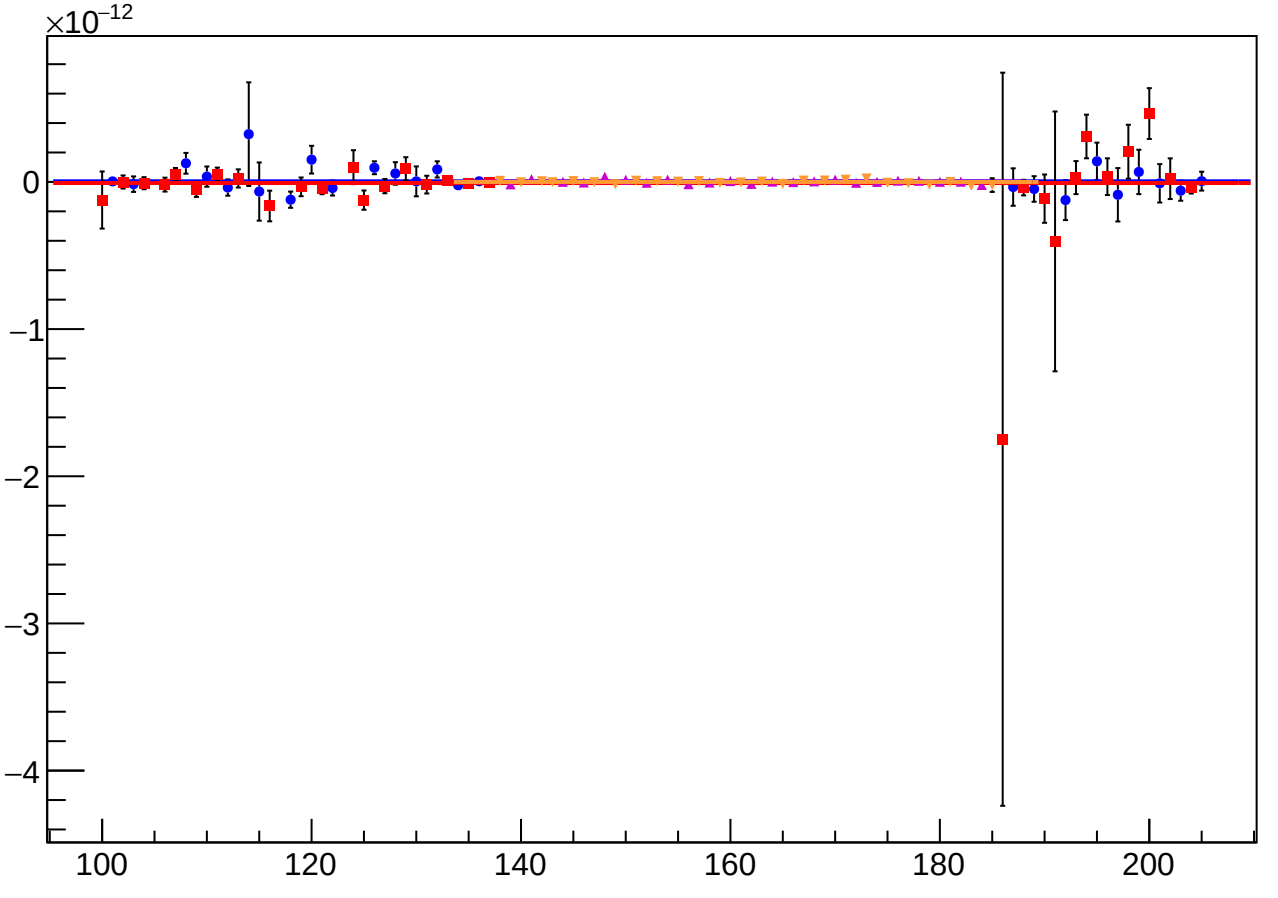
Right: 556.769+/-0.076 χ^2/NDF: 5635551.2/54

In: 385.578+/-0.050 χ^2/NDF:5564591.3/47

Out: 388.360+/-0.049 χ^2/NDF:7225734.7/54

All: 386.995+/-0.035 χ^2/NDF: 12791886.8/10

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/29

Left In: 0.000+/-0.000 χ^2/NDF:14.4/22

Left: 0.000+/-0.000 χ^2/NDF: 34.2/47

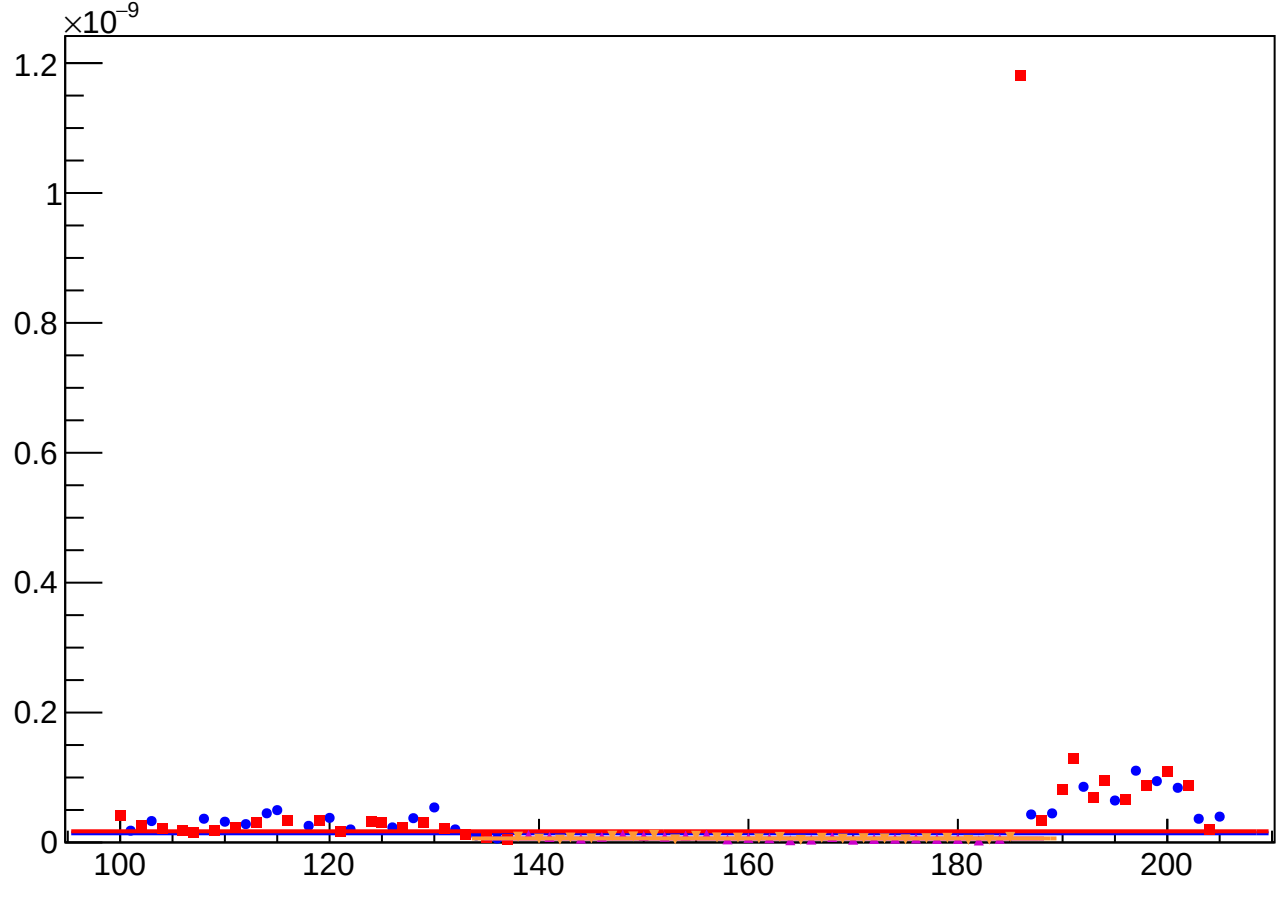
Right: -0.000+/-0.000 χ^2/NDF: 55.7/54

In: 0.000+/-0.000 χ^2/NDF:39.4/47

Out: -0.000+/-0.000 χ^2/NDF:49.5/54

All: 0.000+/-0.000 χ^2/NDF: 89.9/102

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6469971.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5621931.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

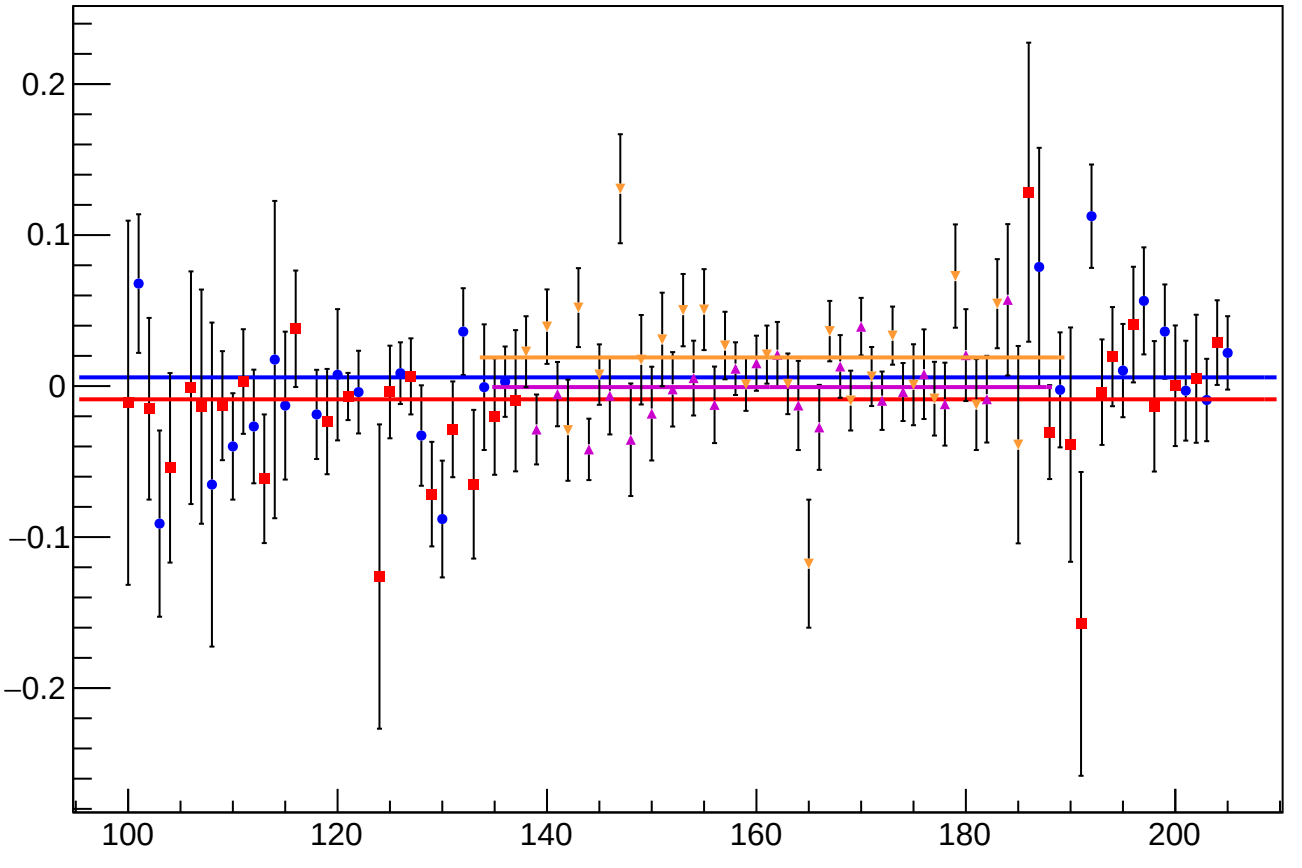
Left: 0.000+/-0.000 χ^2/NDF: 2824480.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12226743.4/54

In: 0.000+/-0.000 χ^2/NDF:10053068.0/47

Out: 0.000+/-0.000 χ^2/NDF:9693568.8/54

All: 0.000+/-0.000 χ^2/NDF: 19752903.8/102



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

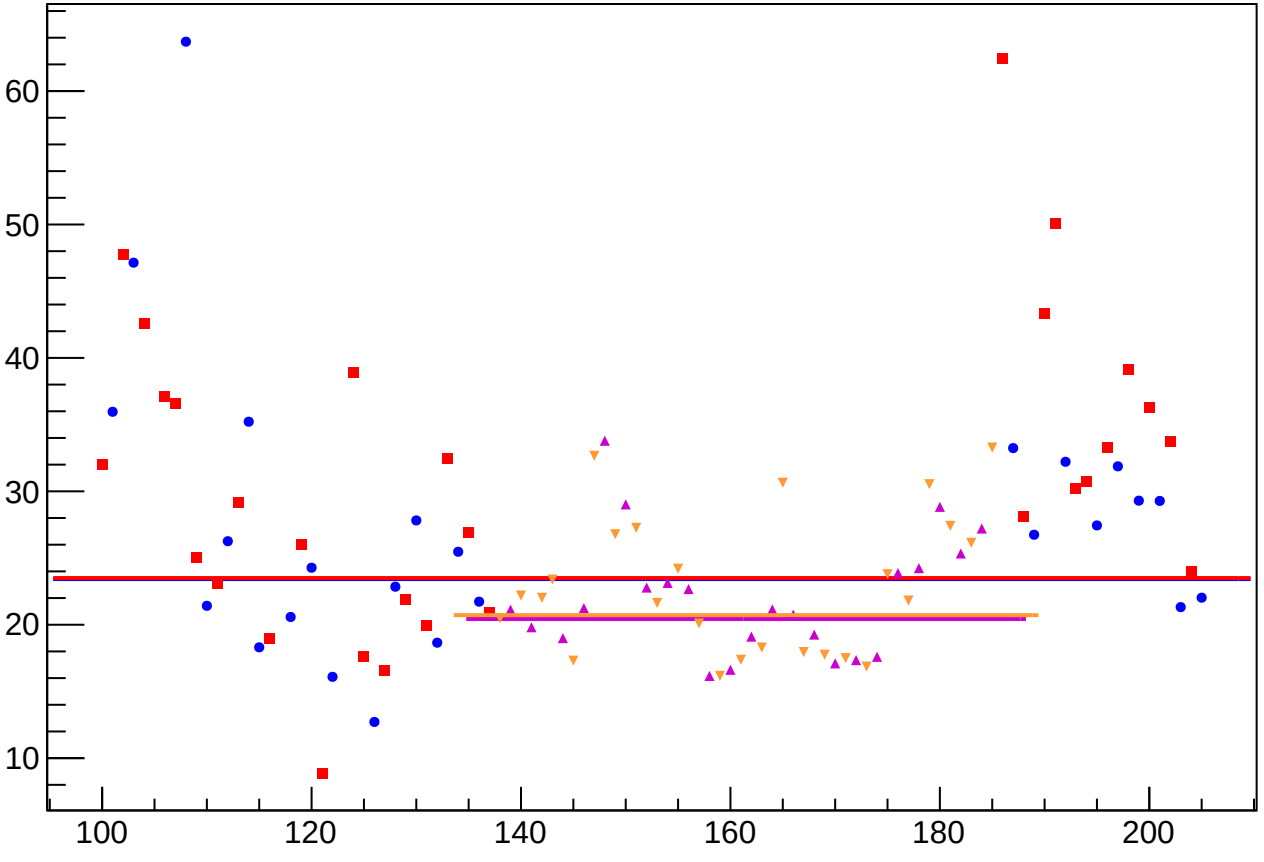
Right: -0.001+/-0.005 χ^2/NDF: 53.1/54

In: 0.002+/-0.004 χ^2/NDF:49.3/47

Out: 0.010+/-0.004 χ^2/NDF:72.0/54

All: 0.006+/-0.003 χ^2/NDF: 123.2/102

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.424+/-0.005 χ^2/NDF: 2077645.6/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.499+/-0.005 χ^2/NDF: 4375056.0/29

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

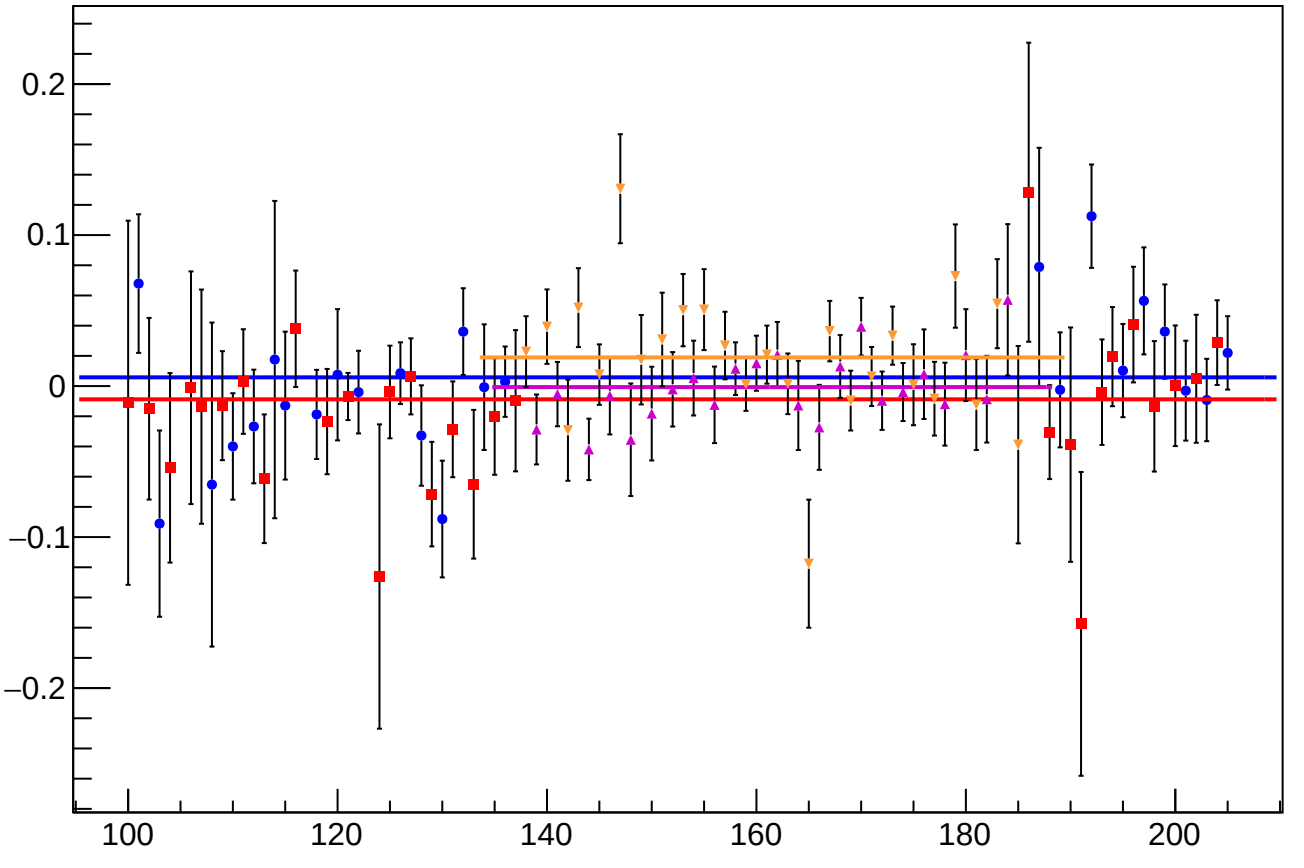
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.461+/-0.003 χ^2/NDF: 6452824.2/54

In: 21.473+/-0.003 χ^2/NDF:3508332.9/47

Out: 21.660+/-0.003 χ^2/NDF:6102352.7/54

All: 21.567+/-0.002 χ^2/NDF: 9612901.4/102



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

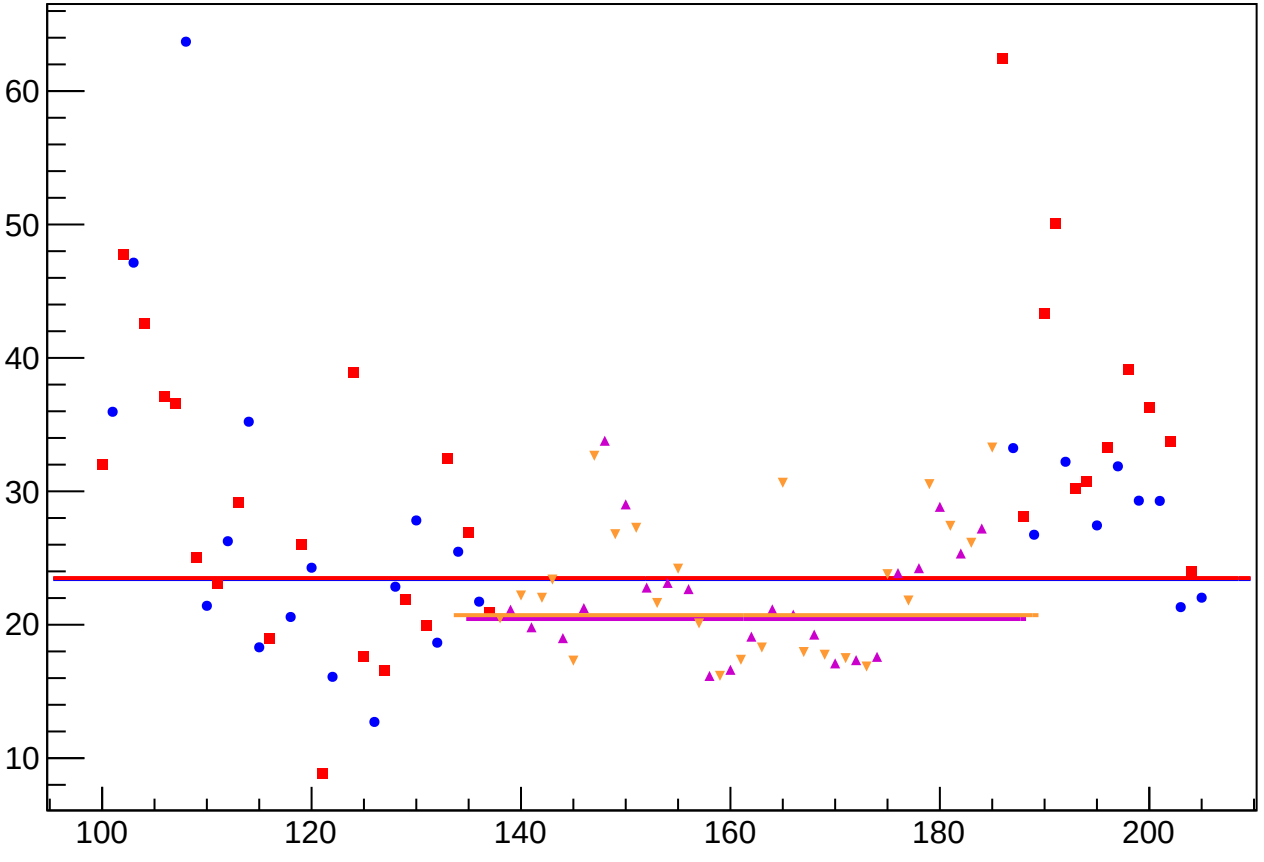
Right: -0.001+/-0.005 χ^2/NDF: 53.1/54

In: 0.002+/-0.004 χ^2/NDF:49.3/47

Out: 0.010+/-0.004 χ^2/NDF:72.0/54

All: 0.006+/-0.003 χ^2/NDF: 123.2/102

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.424+/-0.005 χ^2/NDF: 2077645.6/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

Right Out: 23.499+/-0.005 χ^2/NDF: 4375056.0/29

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

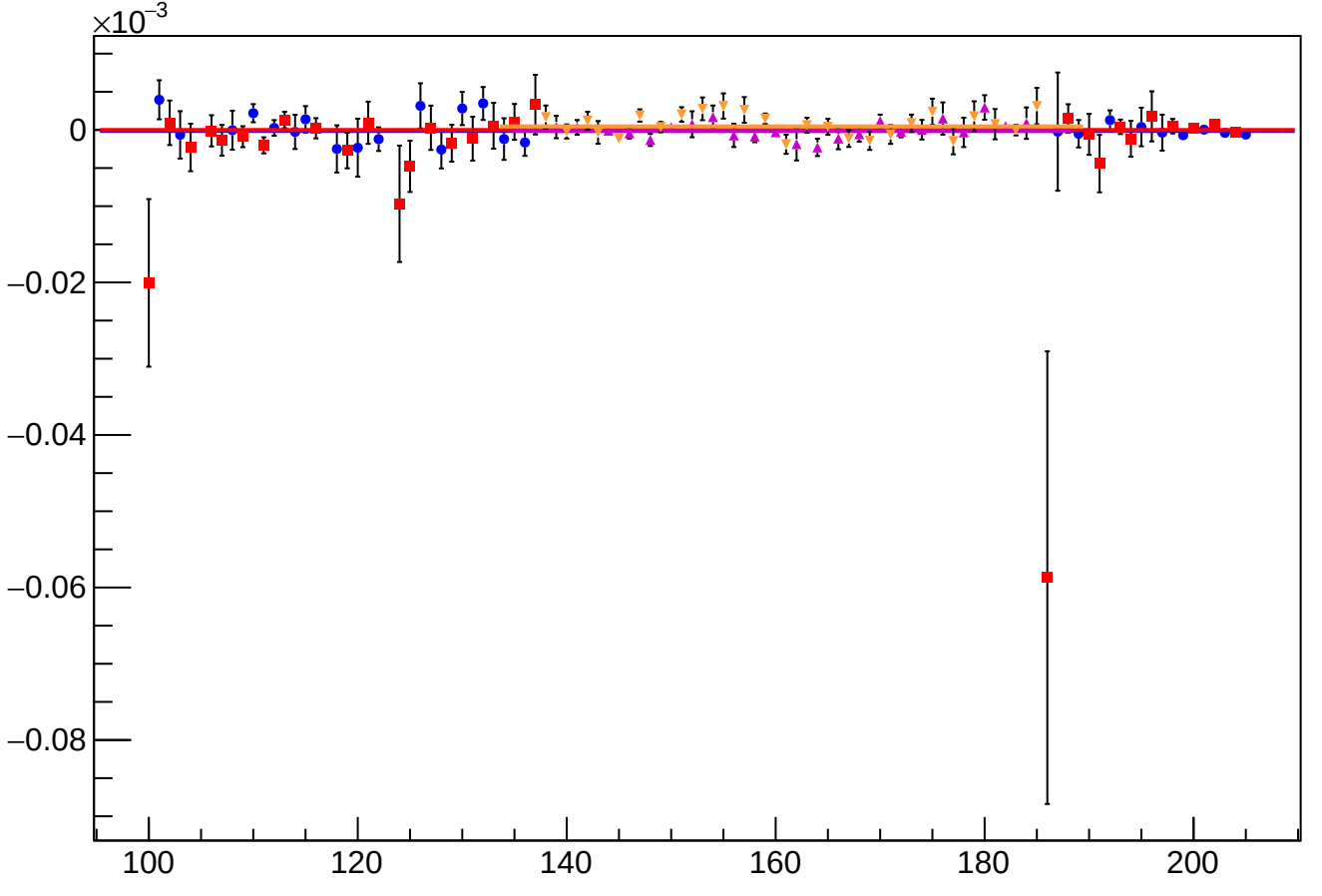
Left: 20.575+/-0.002 χ^2/NDF: 2683801.2/47

Right: 23.461+/-0.003 χ^2/NDF: 6452824.2/54

In: 21.473+/-0.003 χ^2/NDF:3508332.9/47

Out: 21.660+/-0.003 χ^2/NDF:6102352.7/54

All: 21.567+/-0.002 χ^2/NDF: 9612901.4/102



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/29

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

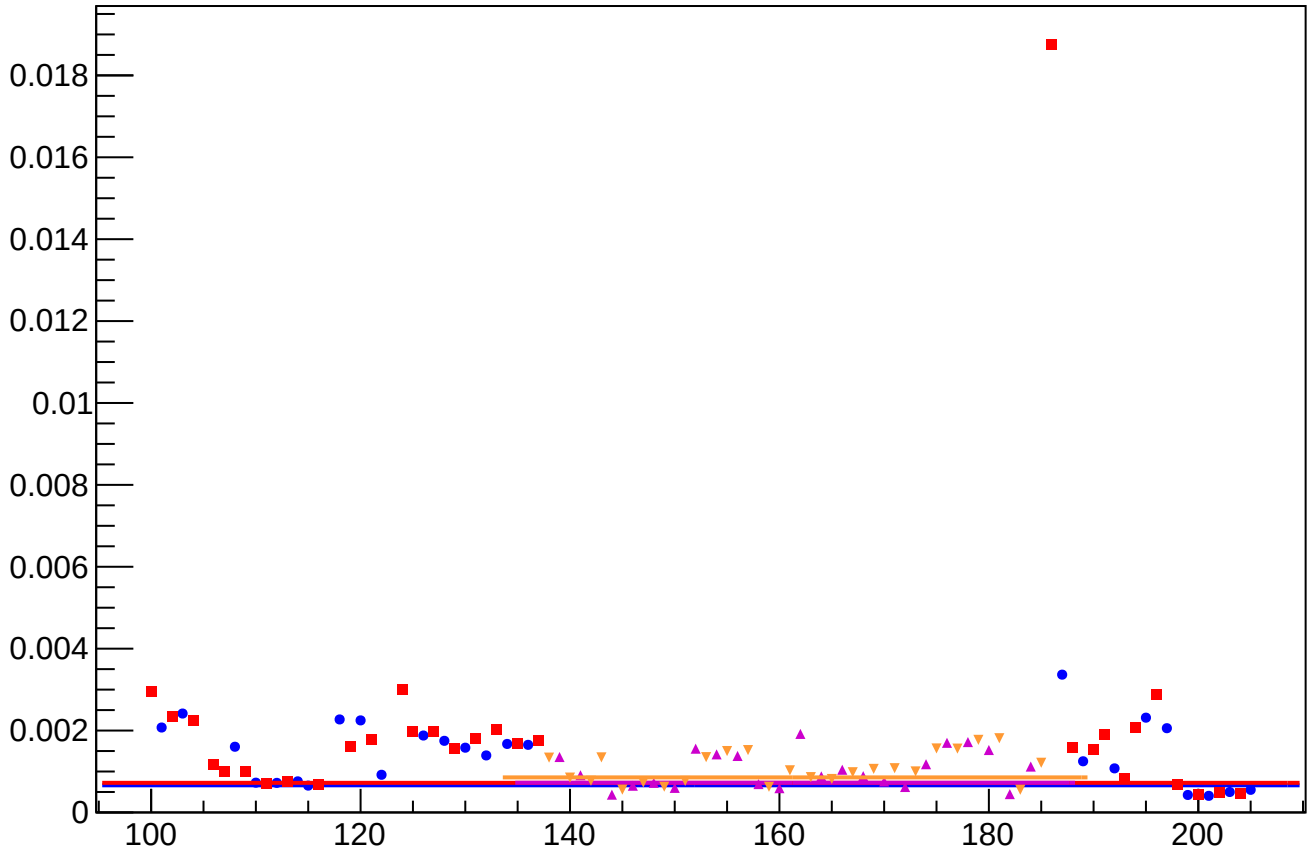
Left: 0.000+/-0.000 χ^2/NDF: 59.9/47

Right: -0.000+/-0.000 χ^2/NDF: 46.2/54

In: -0.000+/-0.000 χ^2/NDF:39.8/47

Out: 0.000+/-0.000 χ^2/NDF:64.9/54

All: 0.000+/-0.000 χ^2/NDF: 107.3/102



Right In: 0.001+/-0.000 χ^2/NDF: 8320257.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8814897.8/29

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

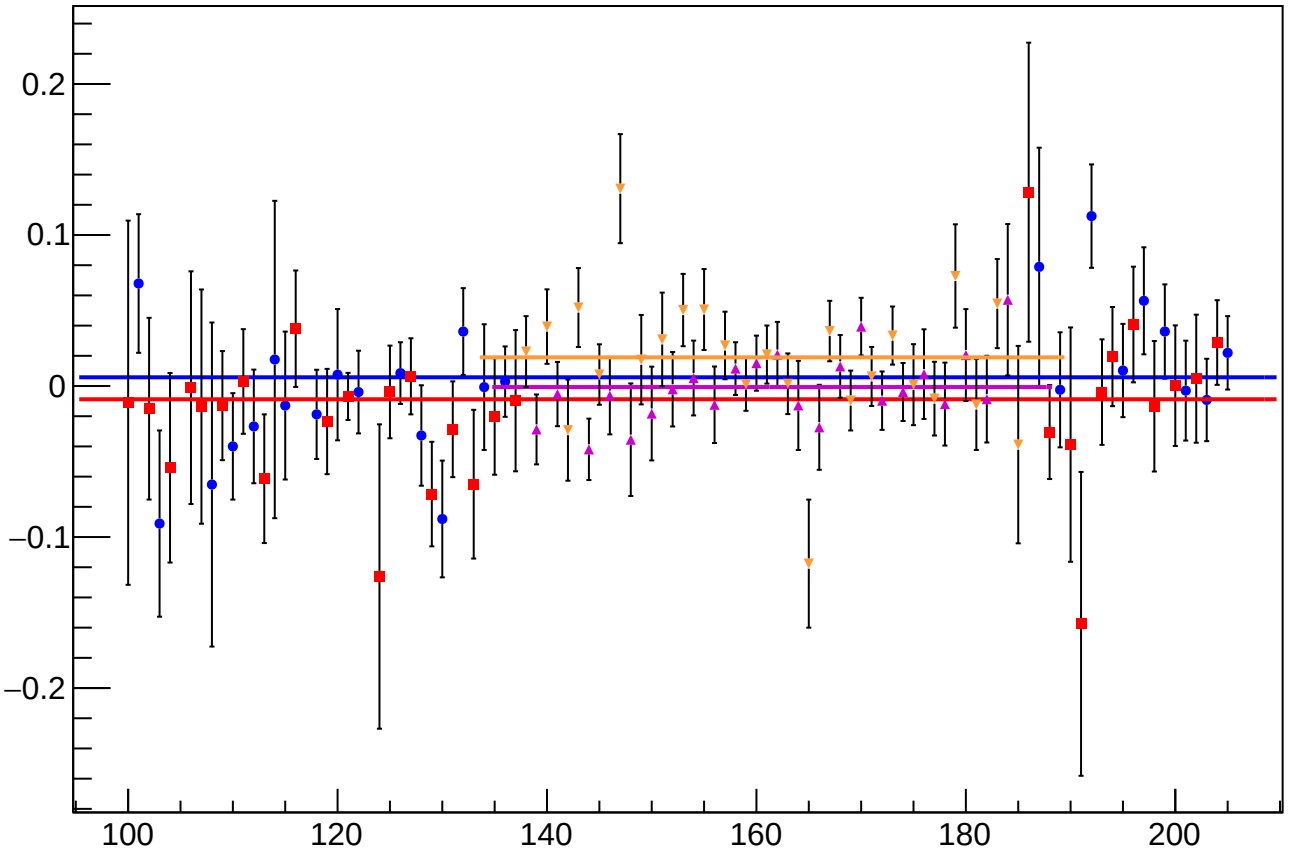
Left: 0.001+/-0.000 χ^2/NDF: 10673329.7/47

Right: 0.001+/-0.000 χ^2/NDF: 17206922.8/54

In: 0.001+/-0.000 χ^2/NDF:14218942.5/47

Out: 0.001+/-0.000 χ^2/NDF:13614038.3/54

All: 0.001+/-0.000 χ^2/NDF: 28250212.5/102



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: -0.009+/-0.007 χ^2/NDF: 19.8/29

Left In: -0.001+/-0.005 χ^2/NDF:17.7/22

Left: 0.009+/-0.003 χ^2/NDF: 66.9/47

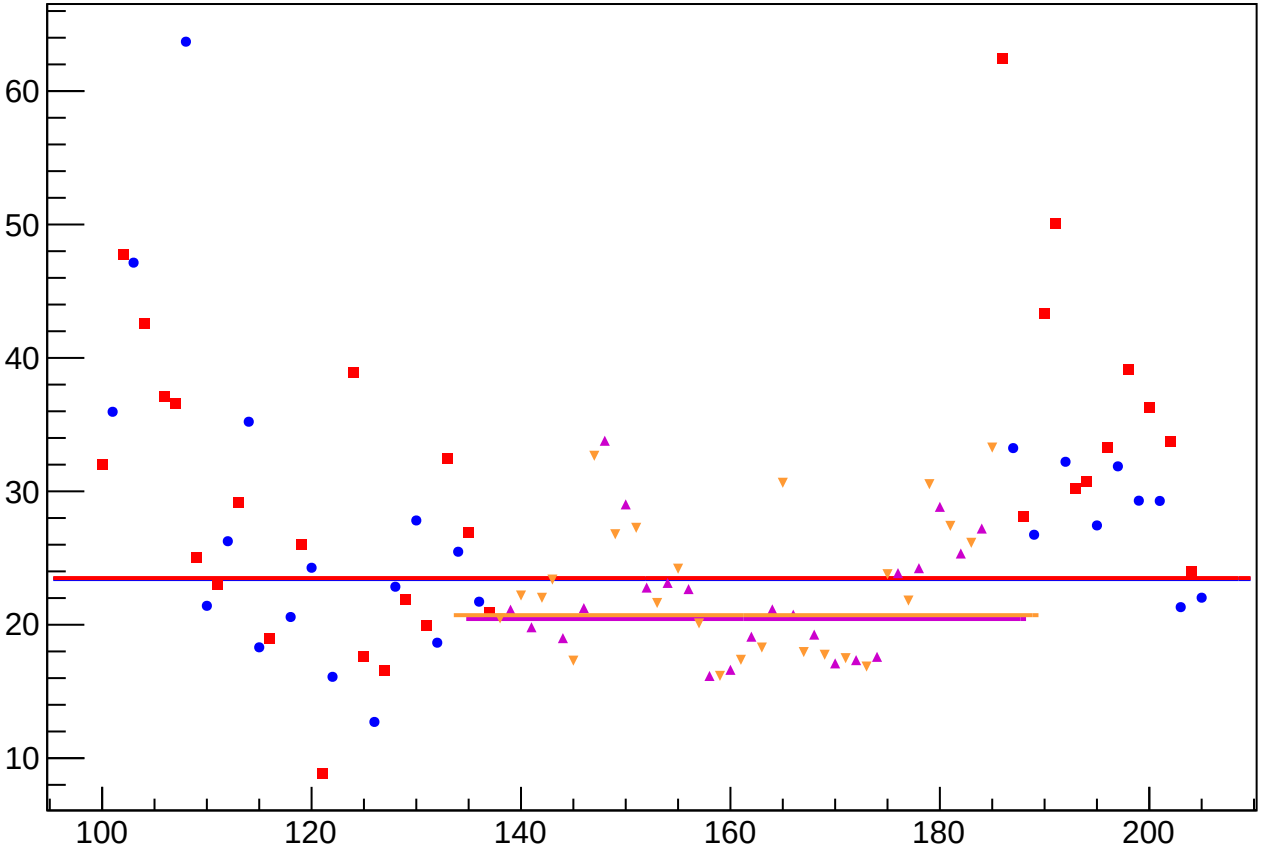
Right: -0.001+/-0.005 χ^2/NDF: 53.1/54

In: 0.002+/-0.004 χ^2/NDF:49.3/47

Out: 0.010+/-0.004 χ^2/NDF:72.0/54

All: 0.006+/-0.003 χ^2/NDF: 123.2/102

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.424+/-0.005 χ^2/NDF: 2077469.2/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.499+/-0.005 χ^2/NDF: 4374476.9/29

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

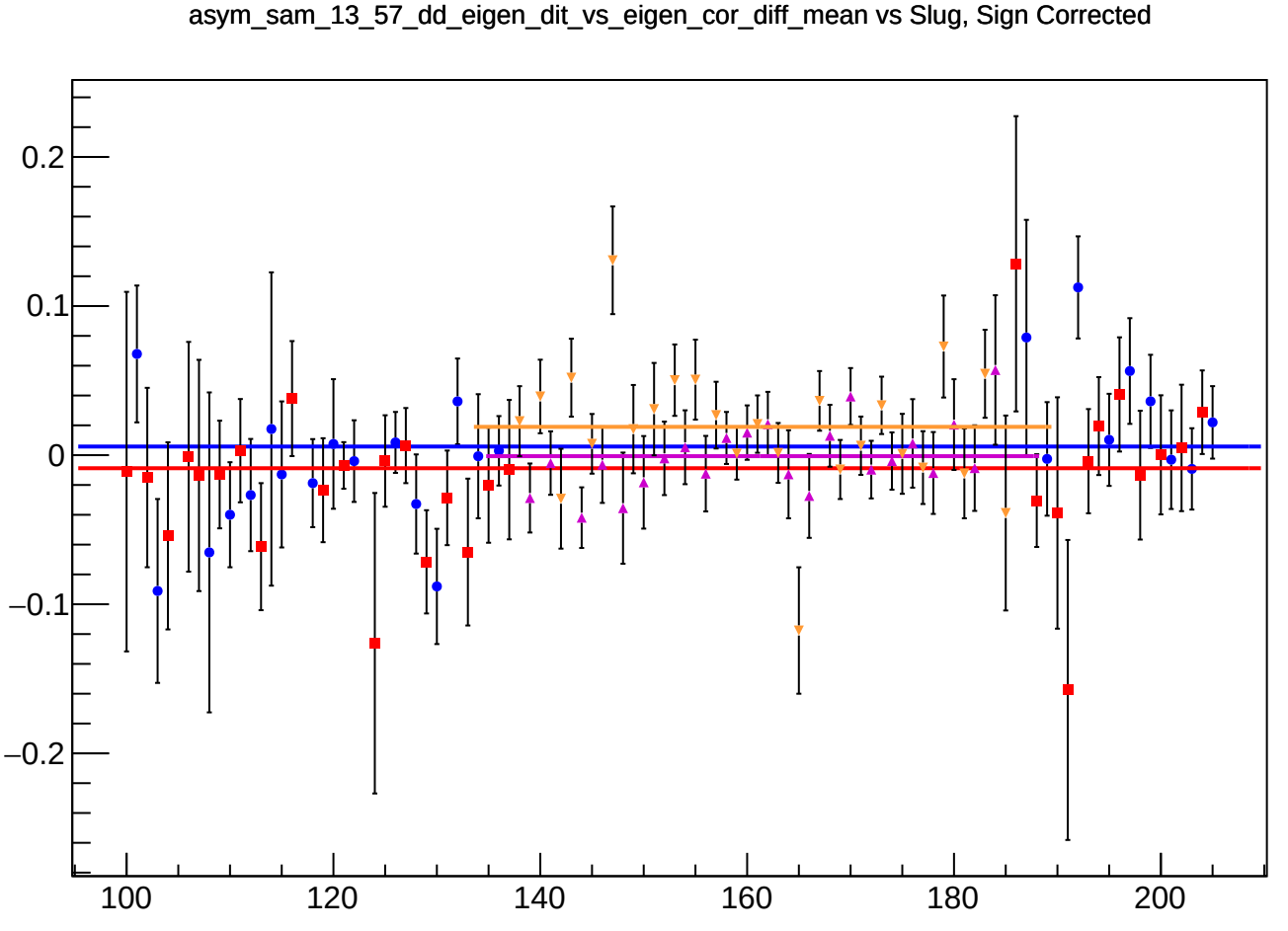
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.461+/-0.003 χ^2/NDF: 6452069.6/54

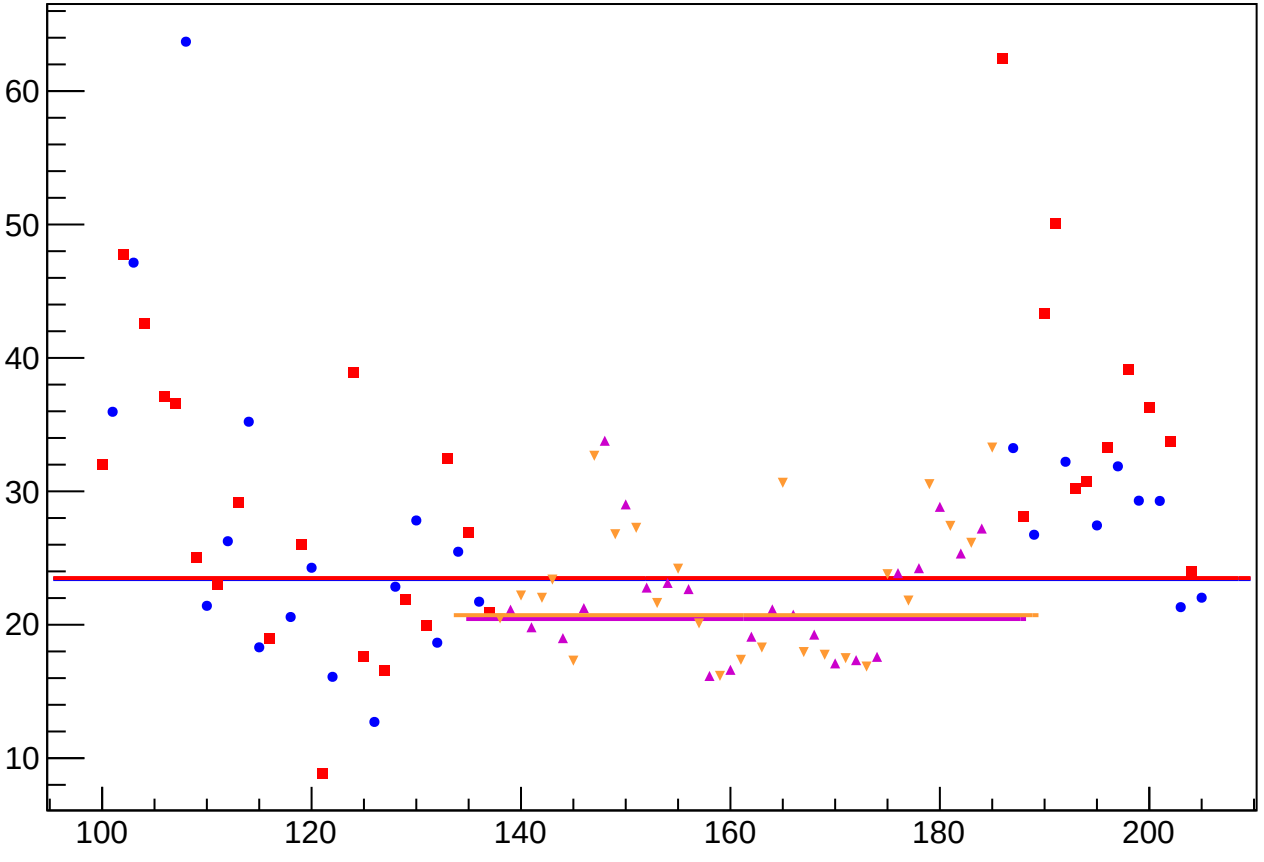
In: 21.473+/-0.003 χ^2/NDF:3508237.8/47

Out: 21.660+/-0.003 χ^2/NDF:6101966.0/54

All: 21.567+/-0.002 χ^2/NDF: 9612420.3/102


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.006+/-0.007 χ²/NDF: 31.0/24
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: -0.009+/-0.007 χ²/NDF: 19.8/29
Left In: -0.001+/-0.005 χ²/NDF:17.7/22
Left: 0.009+/-0.003 χ²/NDF: 66.9/47
Right: -0.001+/-0.005 χ²/NDF: 53.1/54
In: 0.002+/-0.004 χ²/NDF:49.3/47
Out: 0.010+/-0.004 χ²/NDF:72.0/54
All: 0.006+/-0.003 χ²/NDF: 123.2/102

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 23.424+/-0.005 χ^2/NDF: 2077469.2/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

Right Out: 23.499+/-0.005 χ^2/NDF: 4374476.9/29

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

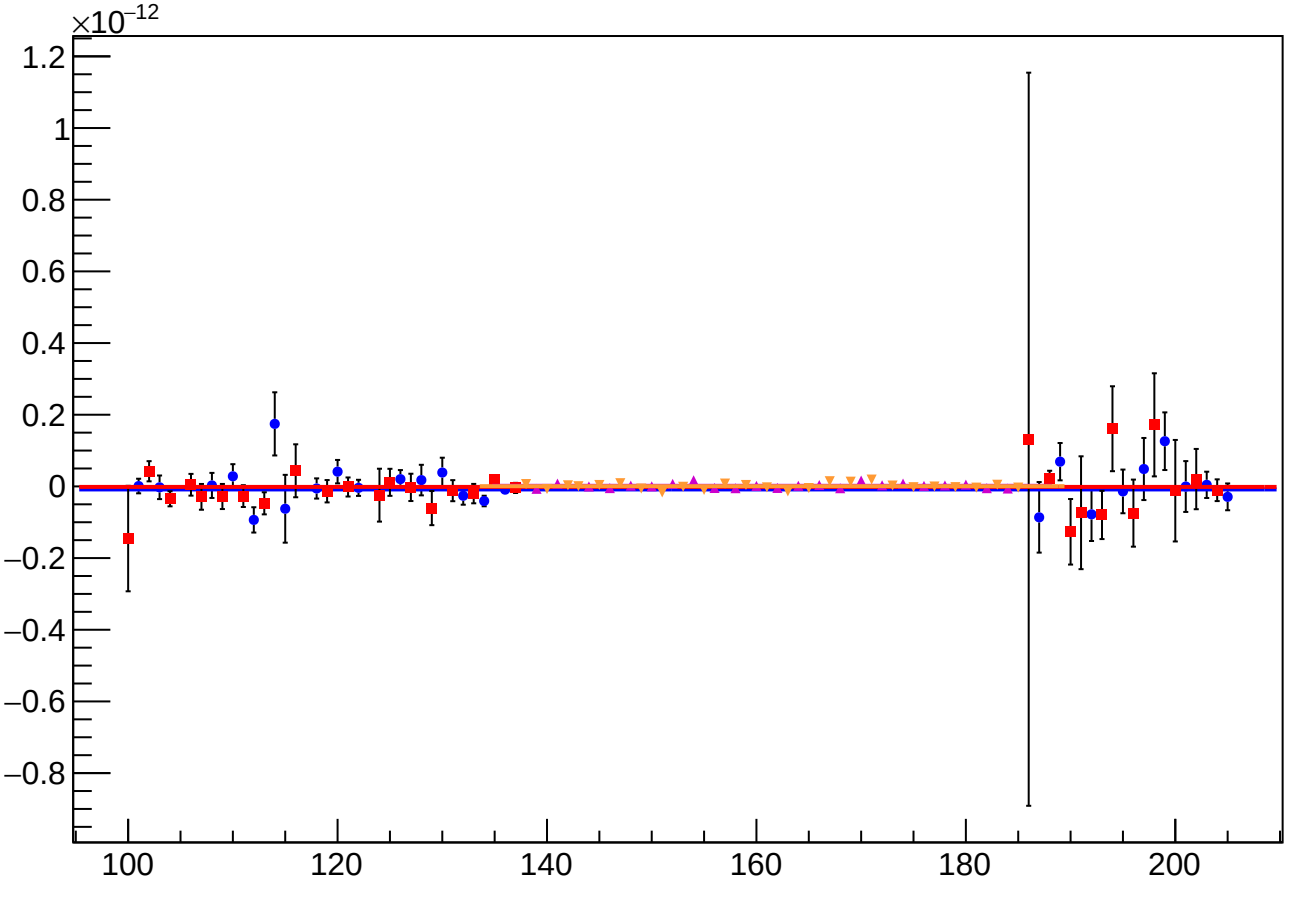
Left: 20.575+/-0.002 χ^2/NDF: 2683947.4/47

Right: 23.461+/-0.003 χ^2/NDF: 6452069.6/54

In: 21.473+/-0.003 χ^2/NDF:3508237.8/47

Out: 21.660+/-0.003 χ^2/NDF:6101966.0/54

All: 21.567+/-0.002 χ^2/NDF: 9612420.3/102



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.5/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

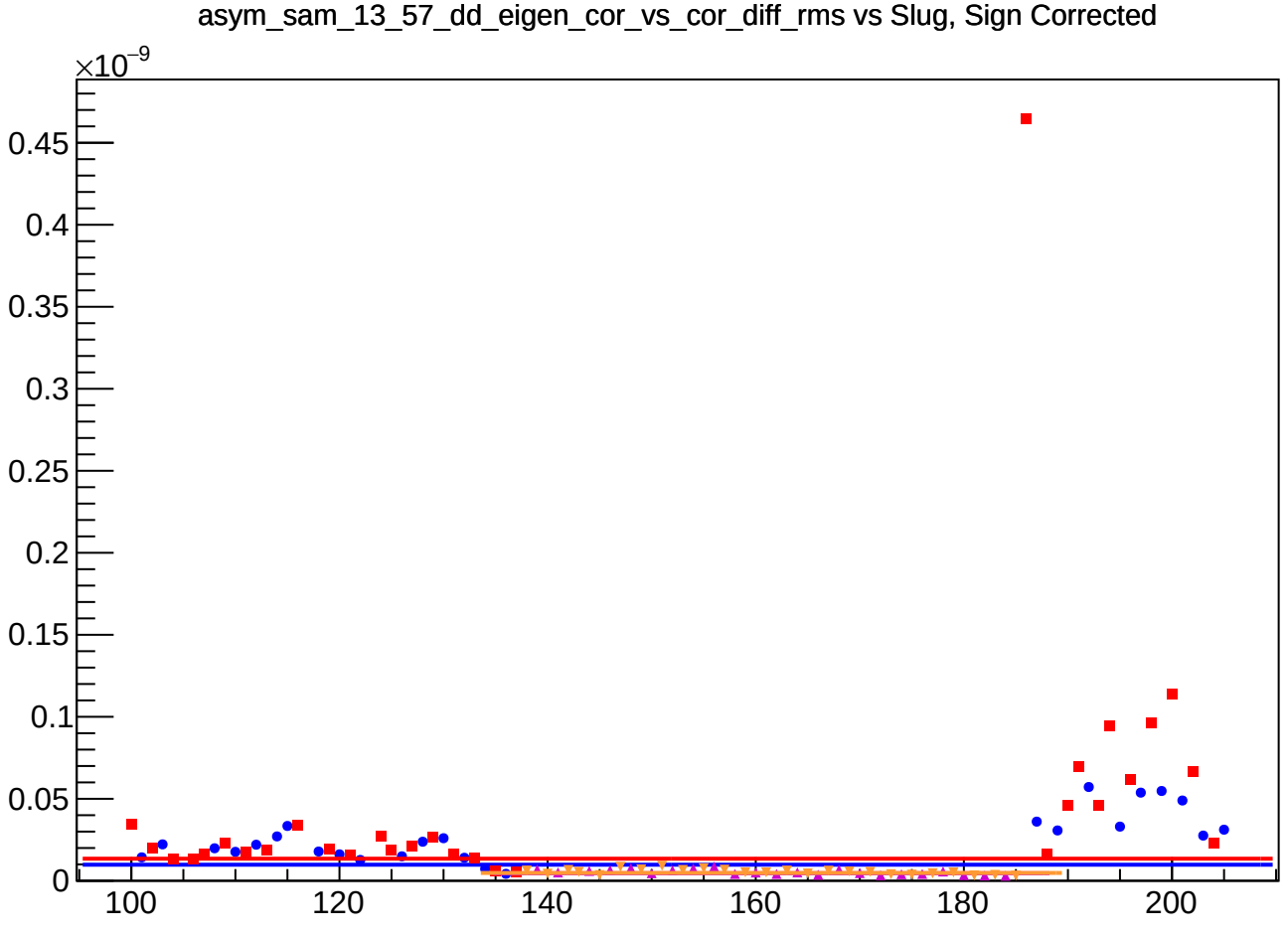
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: -0.000+/-0.000 χ^2/NDF: 56.5/54

In: 0.000+/-0.000 χ^2/NDF:55.4/47

Out: 0.000+/-0.000 χ^2/NDF:54.7/54

All: 0.000+/-0.000 χ^2/NDF: 110.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 8391237.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8364070.1/29

Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

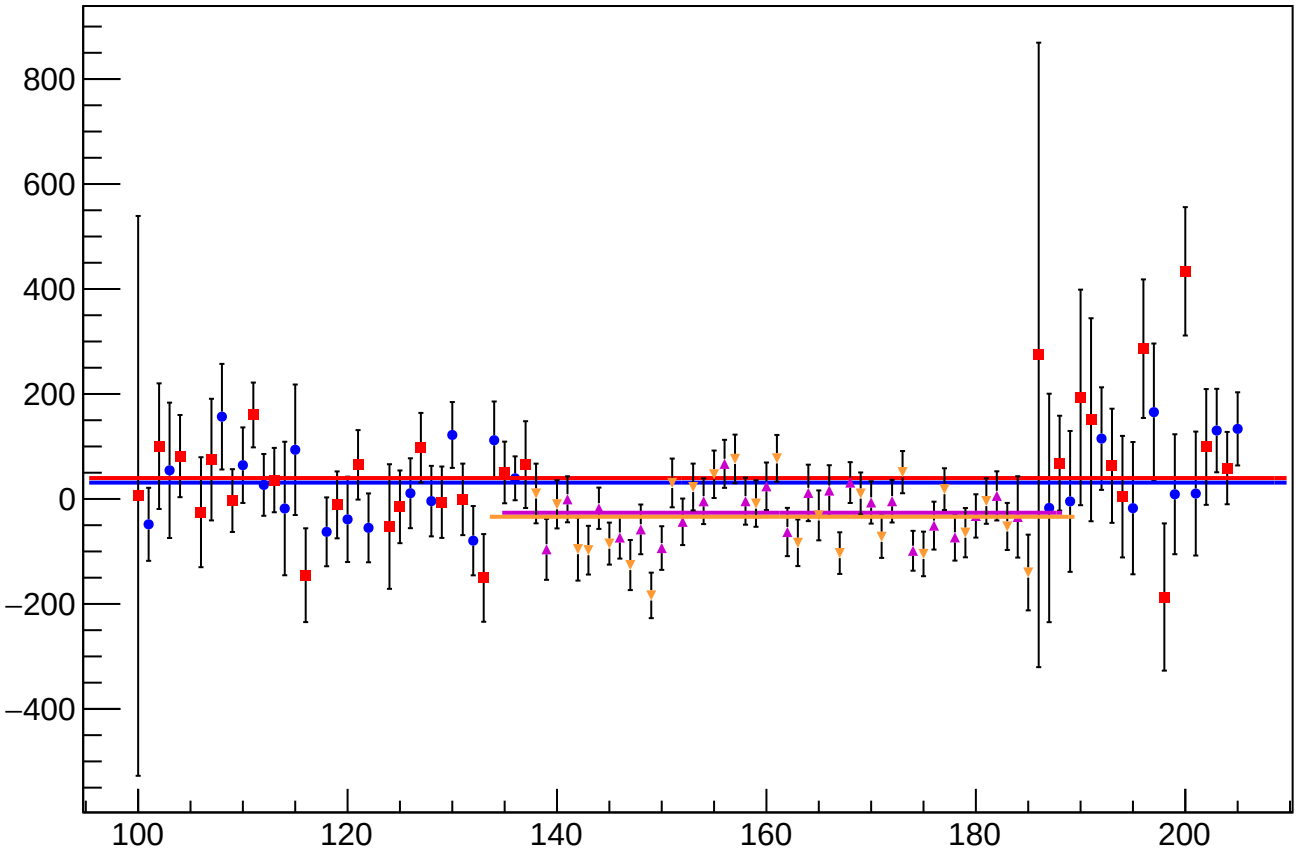
Left: 0.000+/-0.000 χ^2/NDF: 4046117.6/47

Right: 0.000+/-0.000 χ^2/NDF: 17318269.9/54

In: 0.000+/-0.000 χ^2/NDF:12893852.5/47

Out: 0.000+/-0.000 χ^2/NDF:15430758.0/54

All: 0.000+/-0.000 χ^2/NDF: 28358921.8/102



Right In: 31.166+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: 39.844+/-15.560 χ^2/NDF: 36.7/29

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

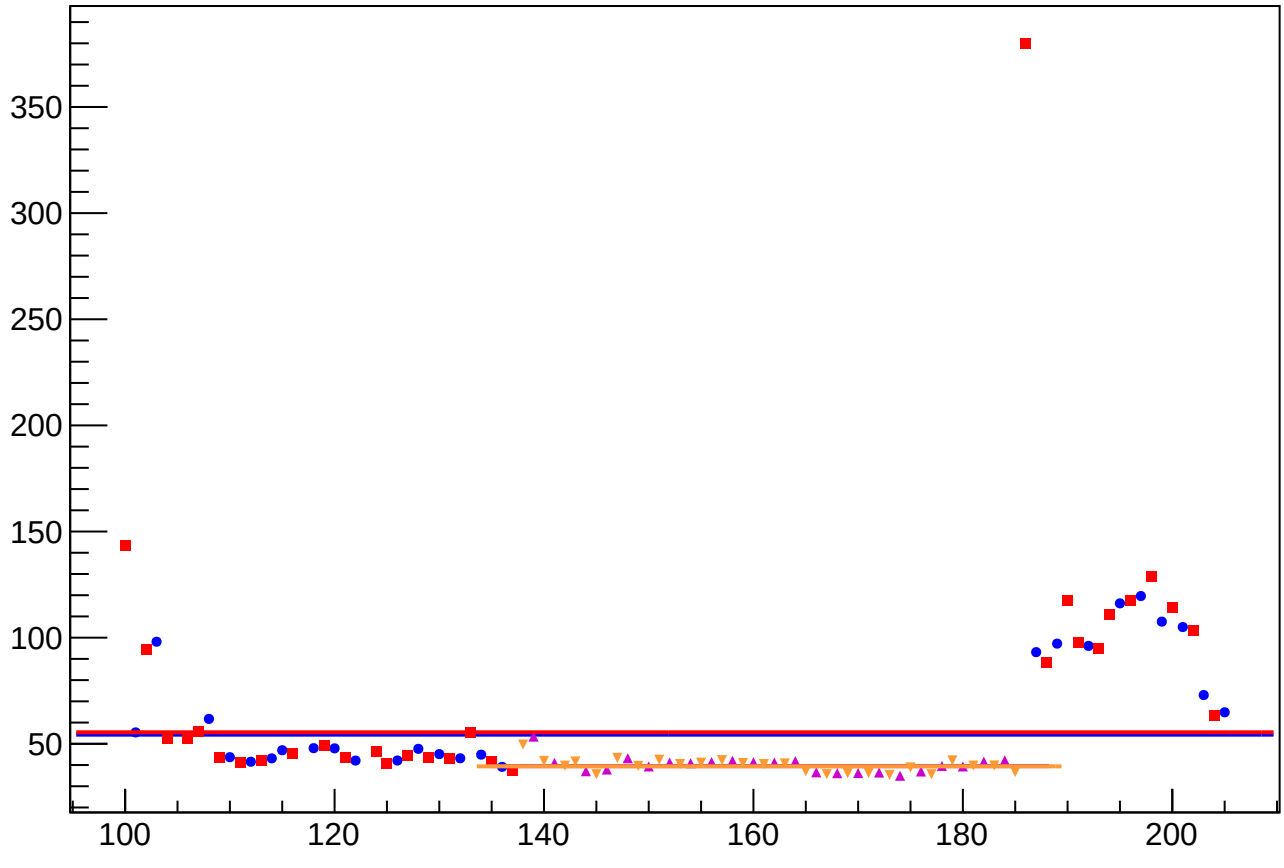
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 35.525+/-11.028 χ^2/NDF: 57.2/54

In: -11.322+/-7.975 χ^2/NDF:52.8/47

Out: -15.476+/-7.786 χ^2/NDF:112.2/54

All: -13.449+/-5.571 χ^2/NDF: 165.2/102



Right In: 54.311+/-0.011 χ^2/NDF: 3557862.1/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 55.421+/-0.011 χ^2/NDF: 4865494.4/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

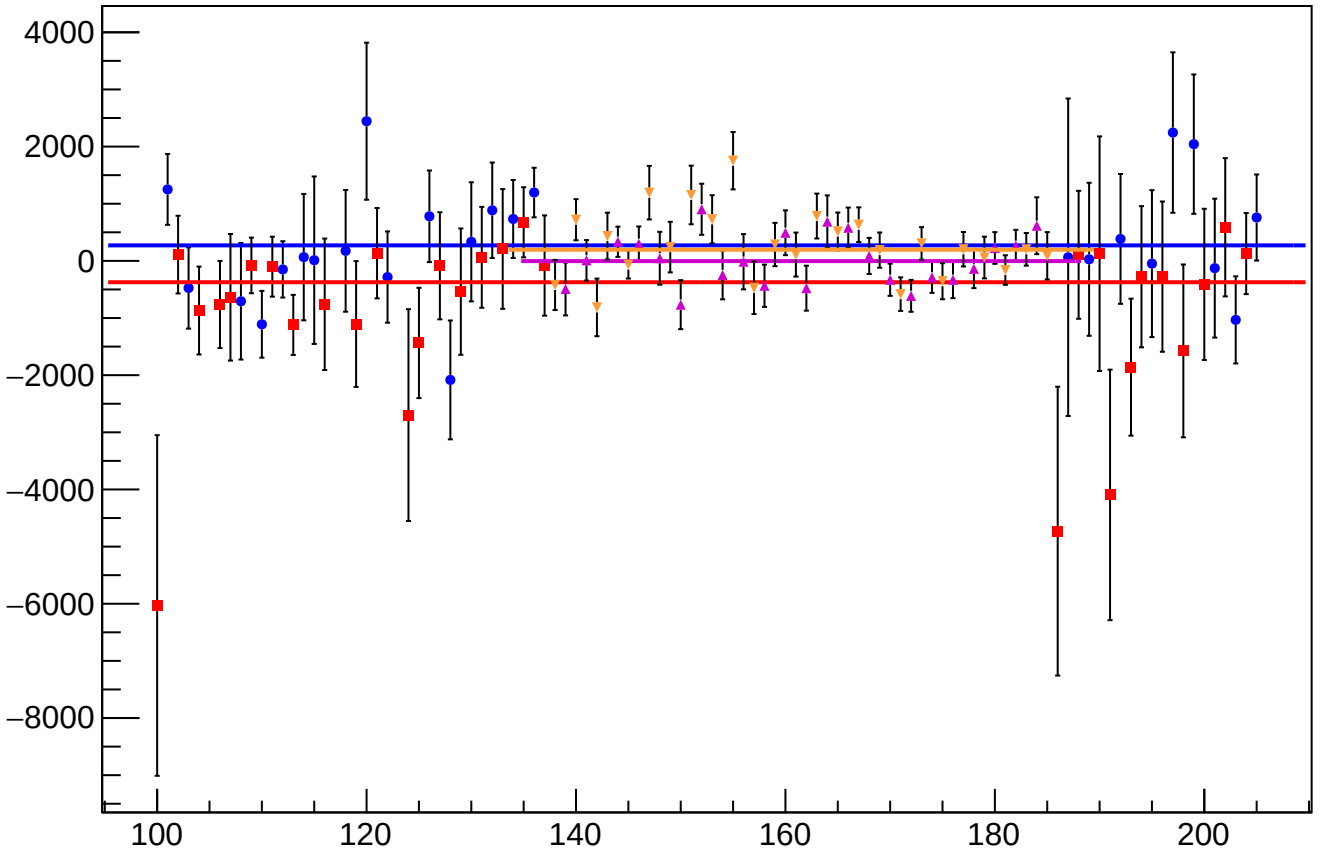
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.869+/-0.008 χ^2/NDF: 8428416.7/54

In: 43.347+/-0.006 χ^2/NDF:5139406.2/47

Out: 43.399+/-0.006 χ^2/NDF:6686955.4/54

All: 43.373+/-0.004 χ^2/NDF: 11826404.0/102



Right In: 271.289+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: -373.640+/-162.995 χ^2/NDF: 24.4/29

Left In: -4.015+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

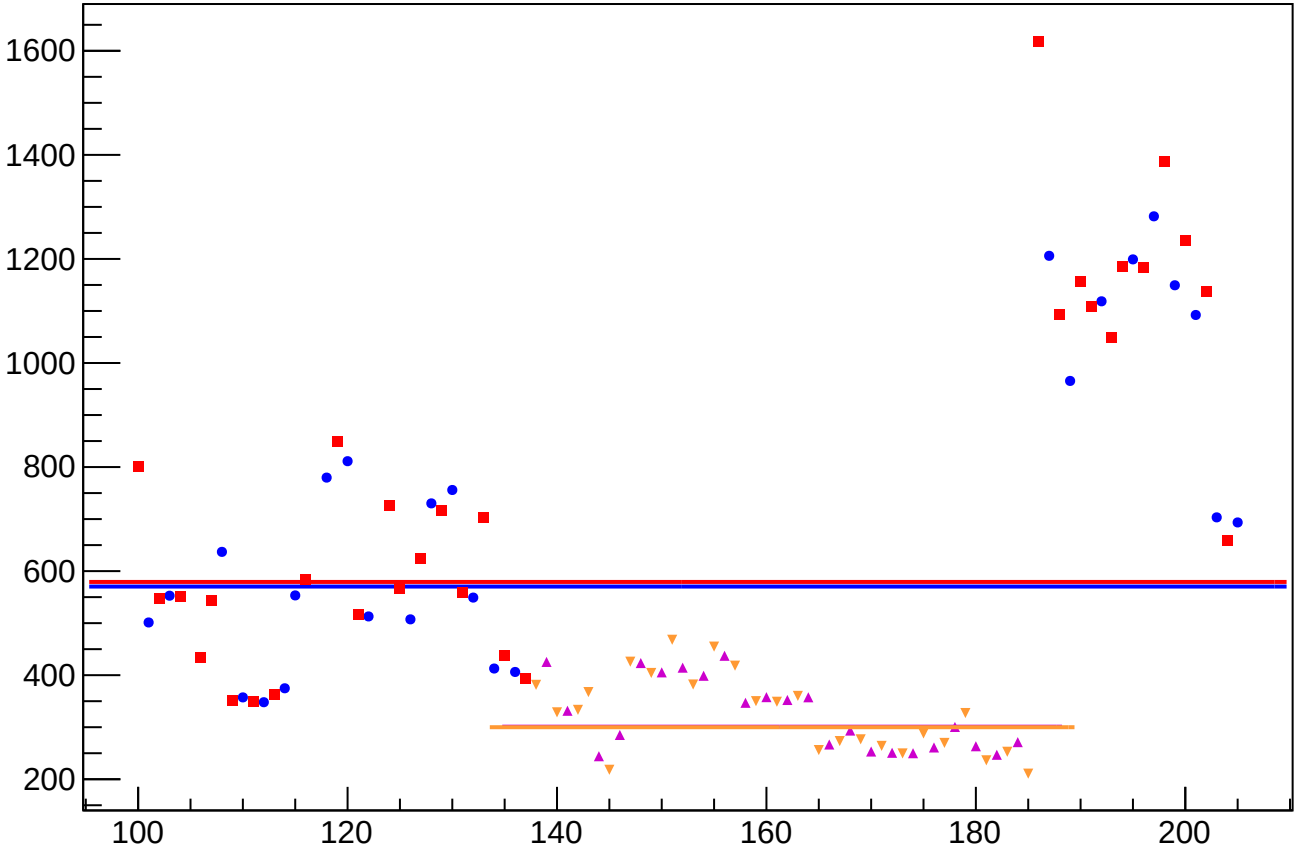
Right: -55.876+/-116.092 χ^2/NDF: 64.7/54

In: 39.828+/-66.001 χ^2/NDF:67.3/47

Out: 106.279+/-64.391 χ^2/NDF:83.2/54

All: 73.874+/-46.090 χ^2/NDF: 151.1/102

asym_sam_15_37_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 570.342+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 579.206+/-0.115 χ^2/NDF: 5420758.0/29

Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

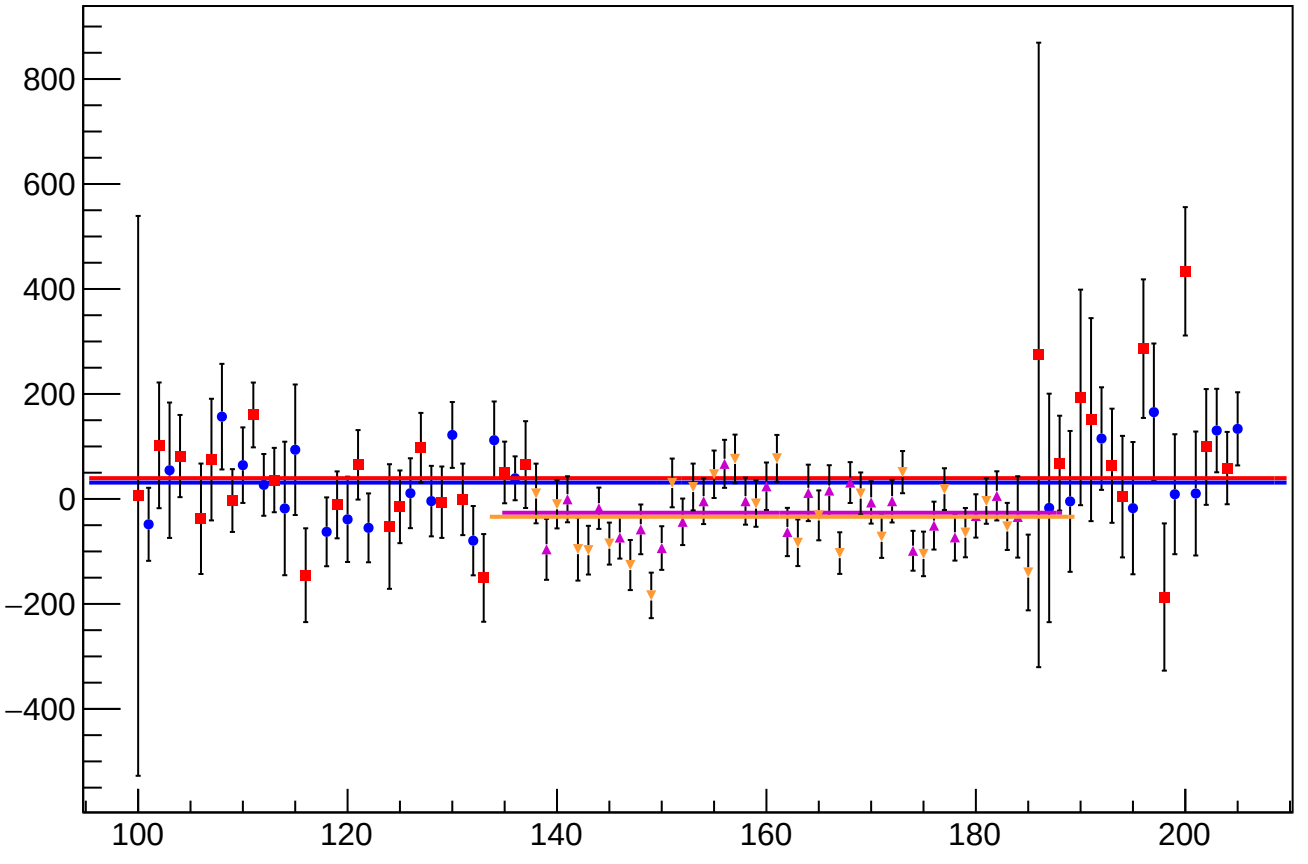
Left: 300.474+/-0.036 χ^2/NDF: 3215867.3/47

Right: 574.839+/-0.082 χ^2/NDF: 9531999.0/54

In: 343.893+/-0.047 χ^2/NDF:9975116.9/47

Out: 343.554+/-0.046 χ^2/NDF:12182724.7/54

All: 343.720+/-0.033 χ^2/NDF: 22157868.5/10



Right In: 31.171+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 39.609+/-15.562 χ^2/NDF: 36.8/29

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

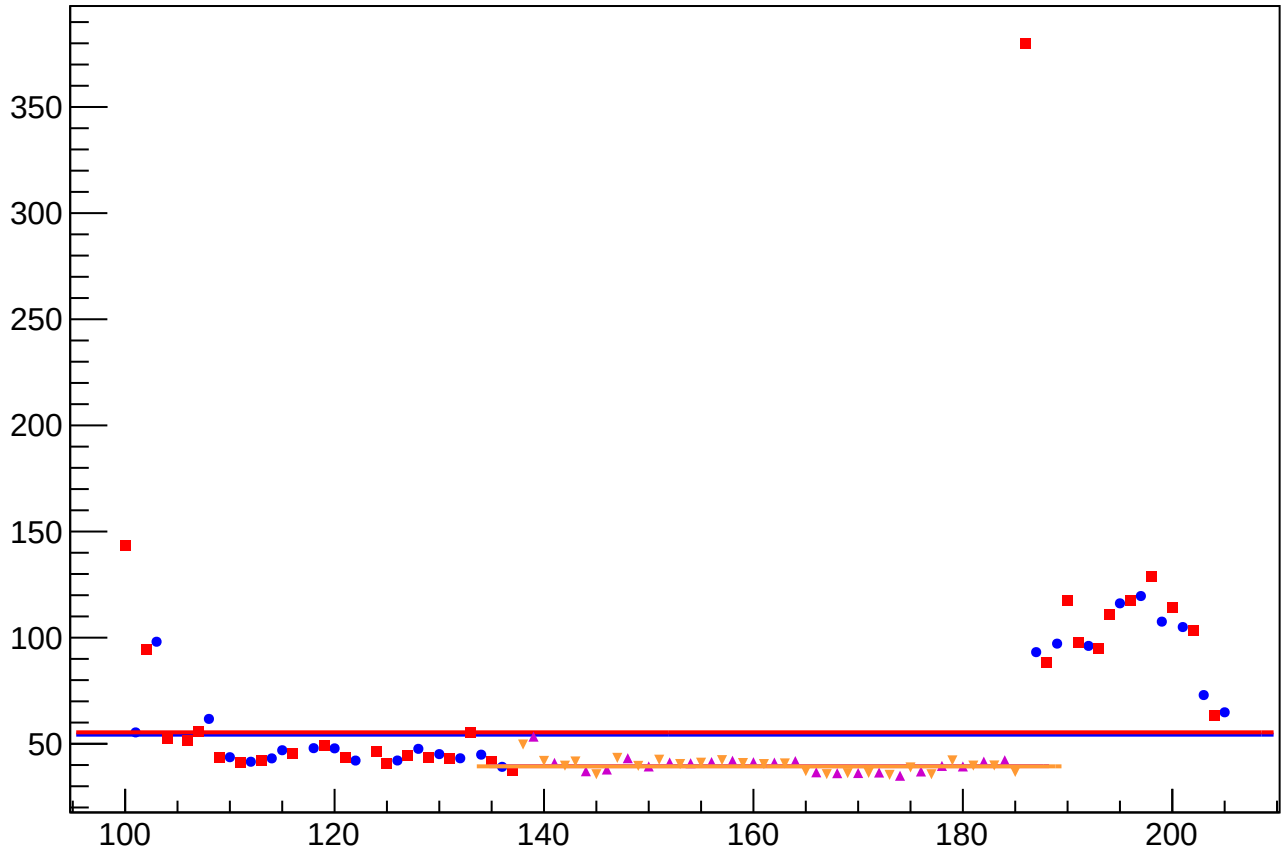
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 35.409+/-11.029 χ^2/NDF: 57.4/54

In: -11.321+/-7.975 χ^2/NDF:52.8/47

Out: -15.538+/-7.787 χ^2/NDF:112.3/54

All: -13.480+/-5.571 χ^2/NDF: 165.3/102



Right In: 54.311+/-0.011 χ^2/NDF: 3557865.2/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 55.403+/-0.011 χ^2/NDF: 4866690.0/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

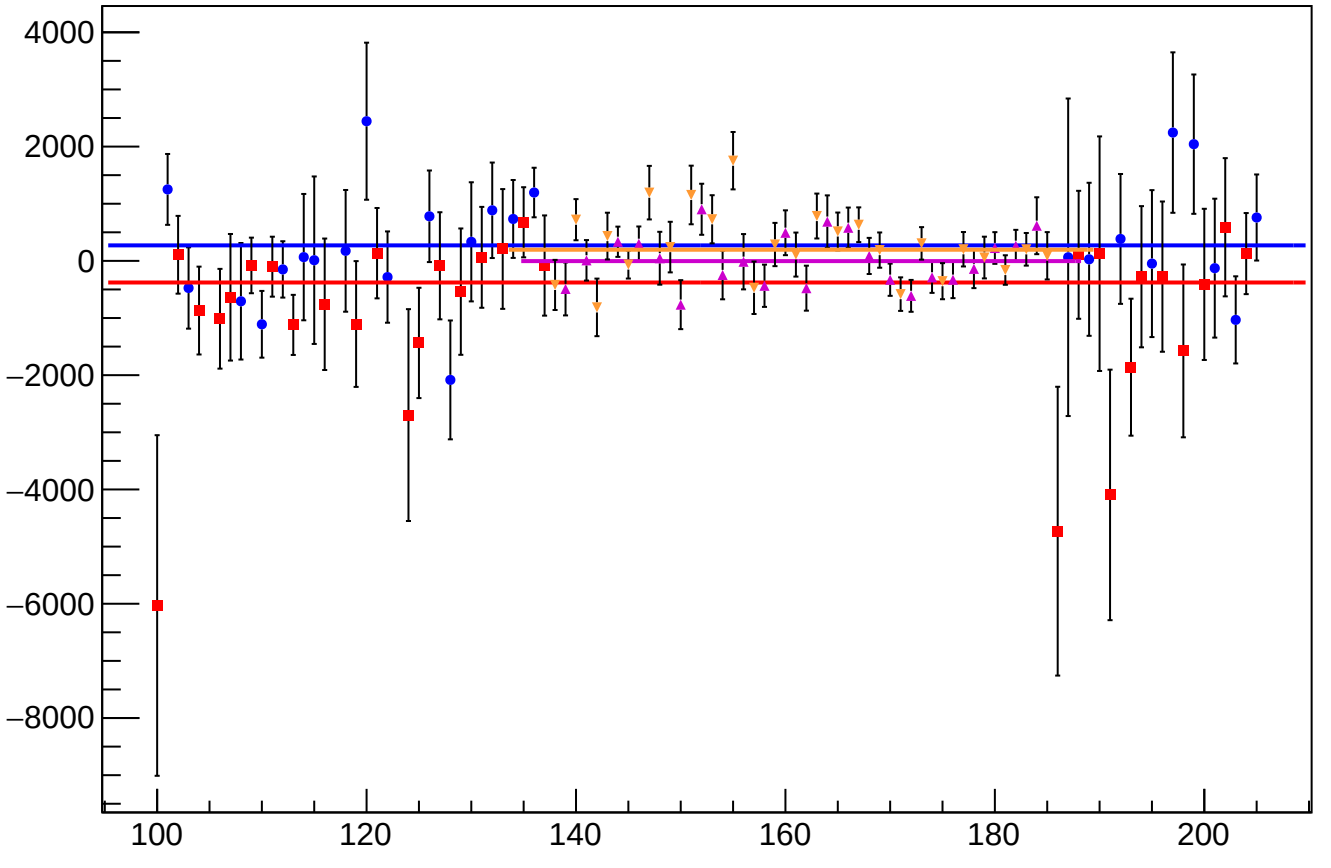
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.860+/-0.008 χ^2/NDF: 8429459.0/54

In: 43.347+/-0.006 χ^2/NDF:5139409.2/47

Out: 43.394+/-0.006 χ^2/NDF:6684483.7/54

All: 43.371+/-0.004 χ^2/NDF: 11823927.4/102



Right In: 271.291+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -378.399+/-163.889 χ^2/NDF: 24.6/29

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

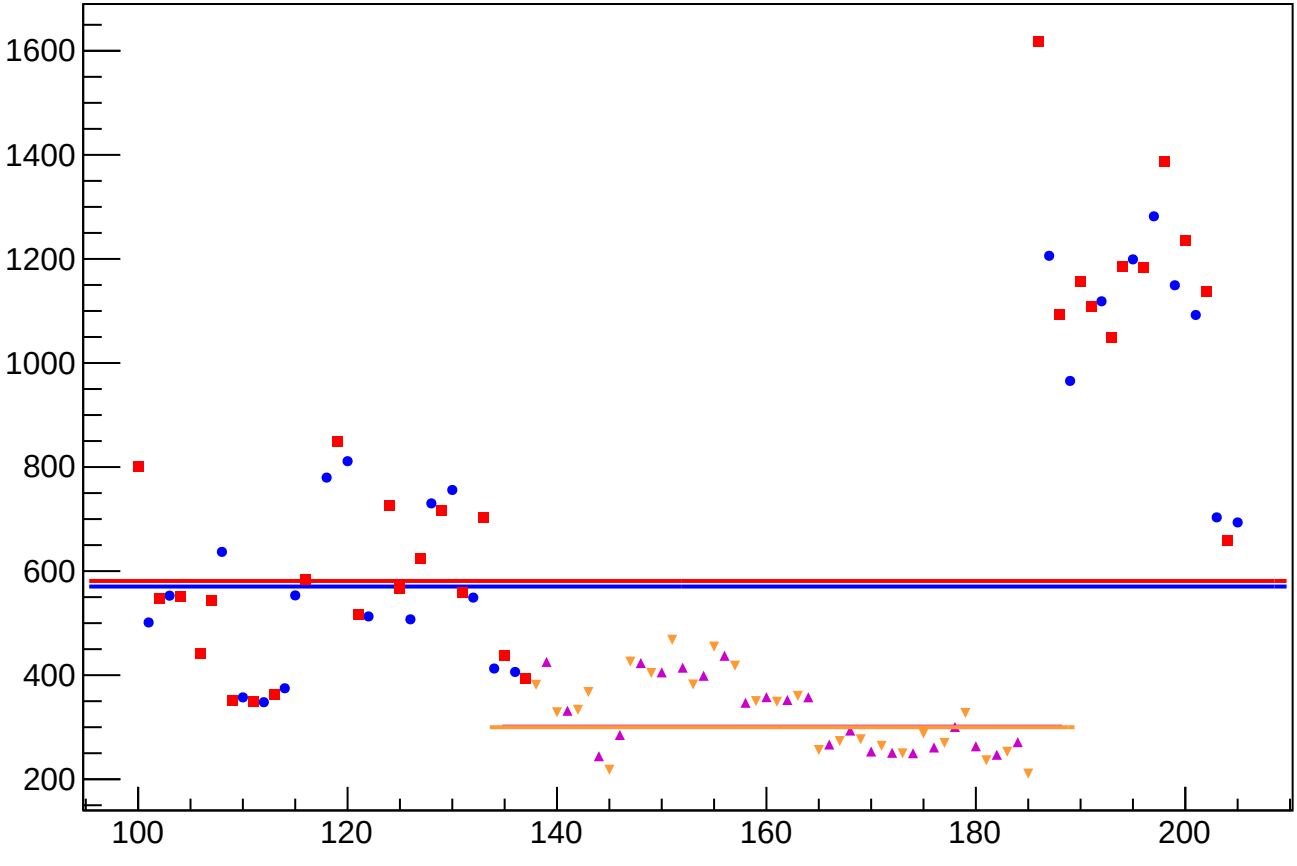
Right: -56.513+/-116.414 χ^2/NDF: 65.0/54

In: 39.829+/-66.001 χ^2/NDF:67.3/47

Out: 106.360+/-64.446 χ^2/NDF:83.6/54

All: 73.887+/-46.110 χ^2/NDF: 151.4/102

asym_sam_15_37_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 570.345+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 581.073+/-0.116 χ^2/NDF: 5397853.8/29

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

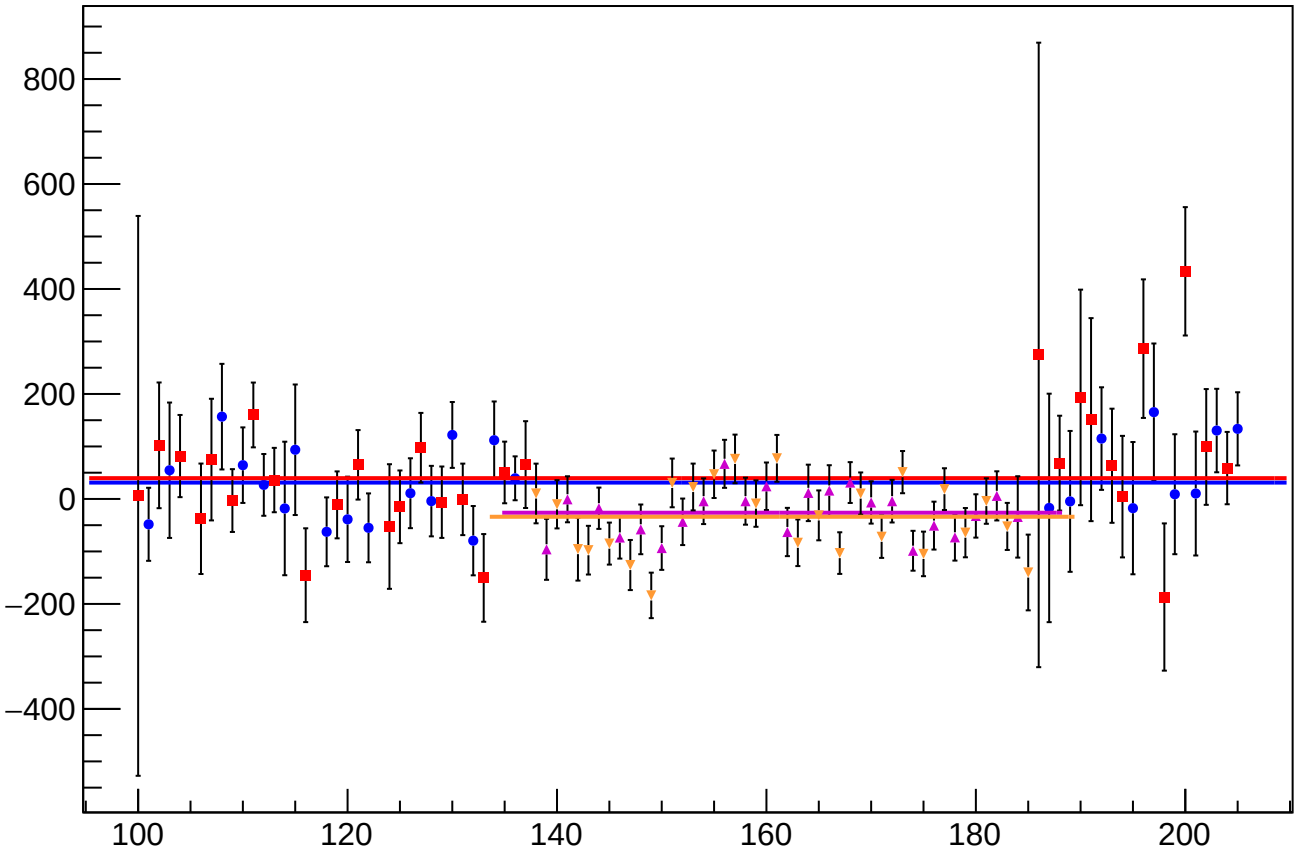
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 575.758+/-0.082 χ^2/NDF: 9510426.8/54

In: 343.893+/-0.047 χ^2/NDF:9975178.9/47

Out: 343.442+/-0.046 χ^2/NDF:12180088.1/54

All: 343.662+/-0.033 χ^2/NDF: 22155314.8/10



Right In: 31.171+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: 39.609+/-15.562 χ^2/NDF: 36.8/29

Left In: -26.267+/-9.271 χ^2/NDF:22.5/22

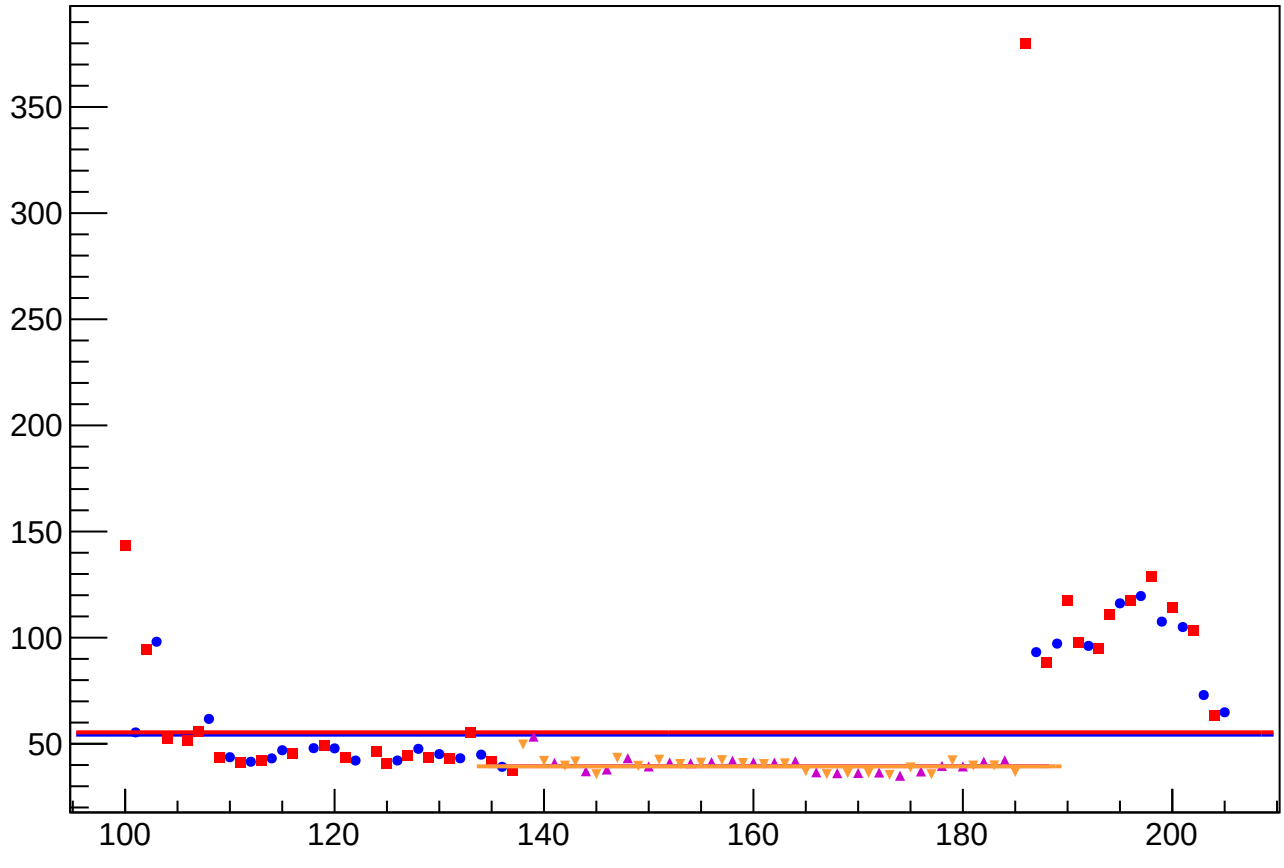
Left: -30.228+/-6.455 χ^2/NDF: 81.6/47

Right: 35.409+/-11.029 χ^2/NDF: 57.4/54

In: -11.321+/-7.975 χ^2/NDF:52.8/47

Out: -15.538+/-7.787 χ^2/NDF:112.3/54

All: -13.480+/-5.571 χ^2/NDF: 165.3/102



Right In: 54.311+/-0.011 χ^2/NDF: 3557865.2/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 55.403+/-0.011 χ^2/NDF: 4866690.0/29

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

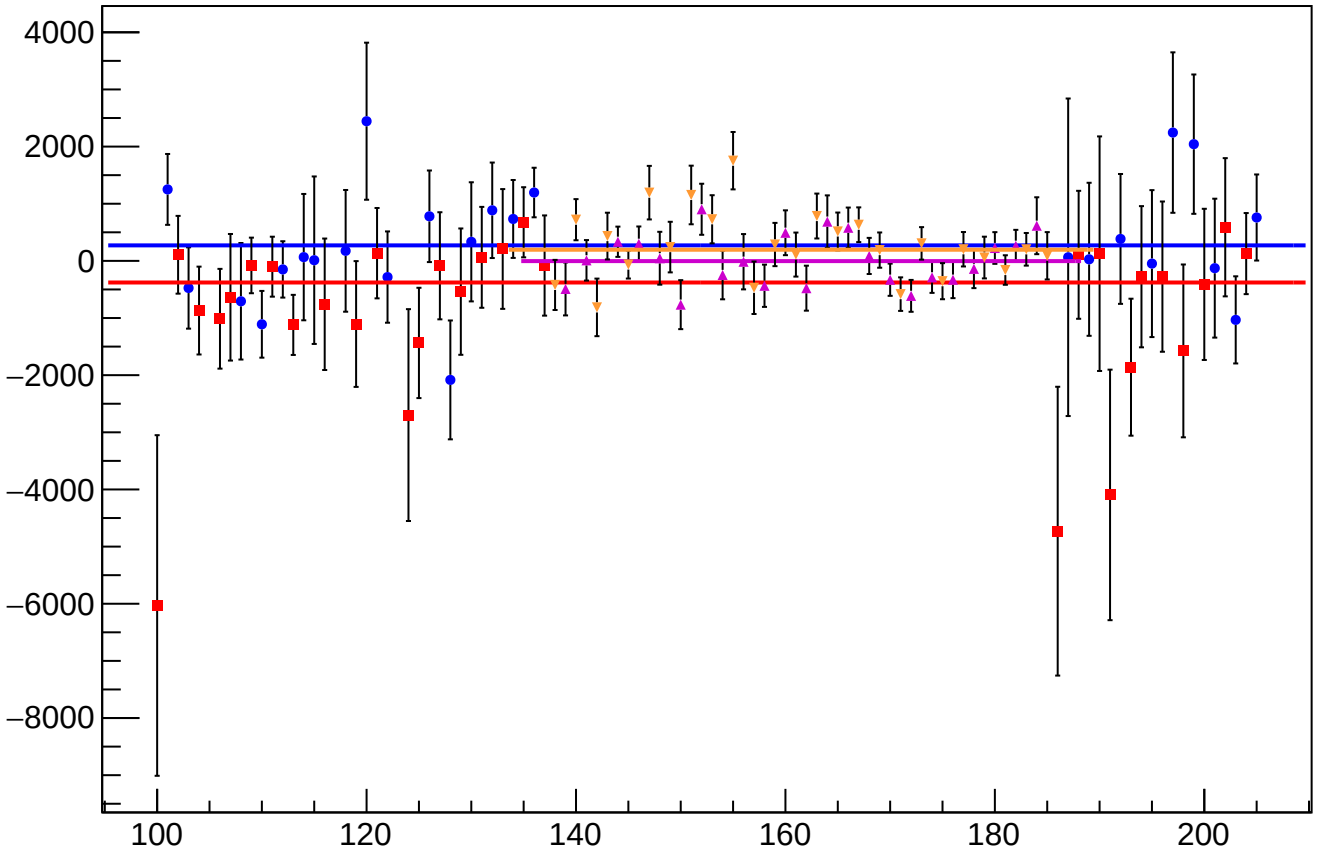
Left: 39.435+/-0.005 χ^2/NDF: 480742.3/47

Right: 54.860+/-0.008 χ^2/NDF: 8429459.0/54

In: 43.347+/-0.006 χ^2/NDF:5139409.2/47

Out: 43.394+/-0.006 χ^2/NDF:6684483.7/54

All: 43.371+/-0.004 χ^2/NDF: 11823927.4/102



Right In: 271.291+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: -378.399+/-163.889 χ^2/NDF: 24.6/29

Left In: -4.014+/-71.981 χ^2/NDF:32.4/22

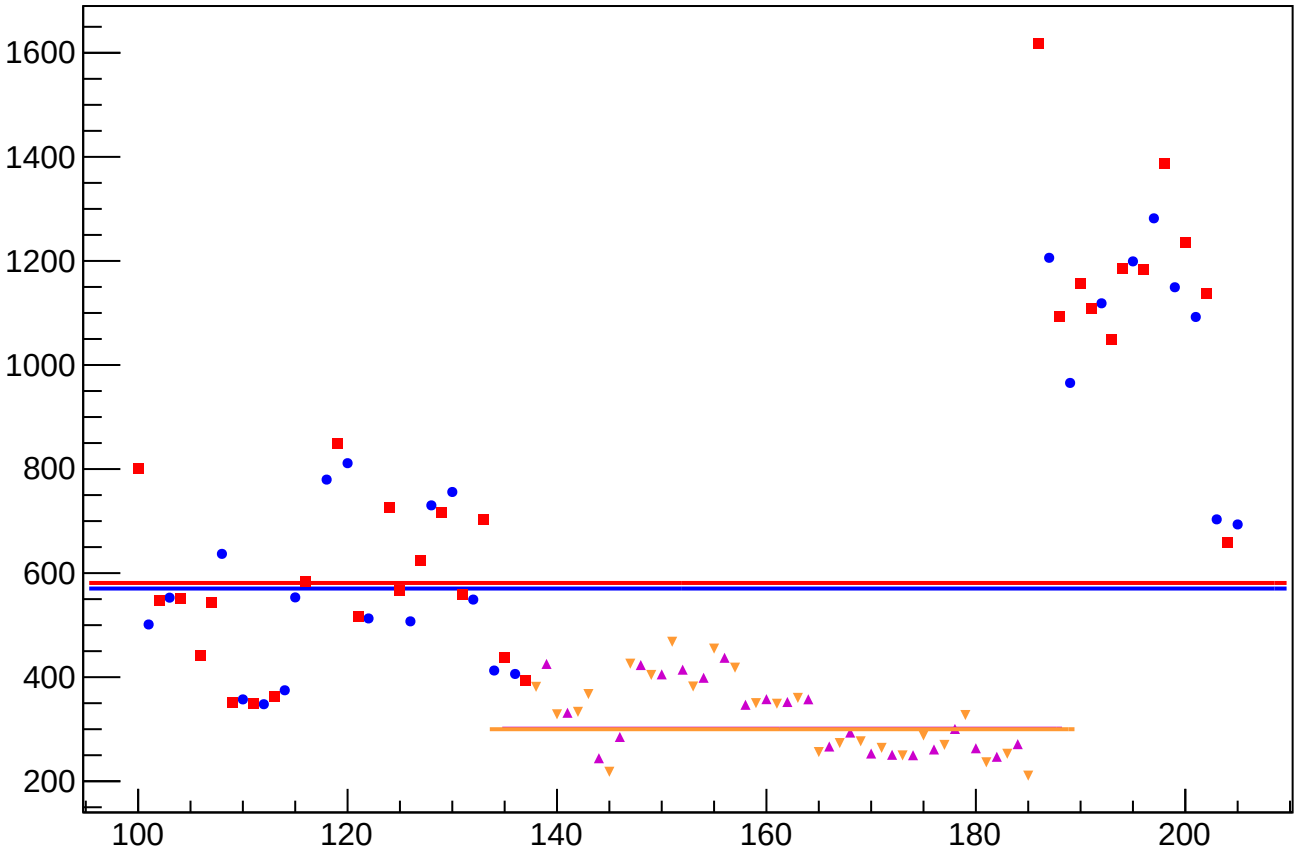
Left: 98.152+/-50.217 χ^2/NDF: 84.9/47

Right: -56.513+/-116.414 χ^2/NDF: 65.0/54

In: 39.829+/-66.001 χ^2/NDF:67.3/47

Out: 106.360+/-64.446 χ^2/NDF:83.6/54

All: 73.887+/-46.110 χ^2/NDF: 151.4/102



Right In: 570.345+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 581.073+/-0.116 χ^2/NDF: 5397853.8/29

Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

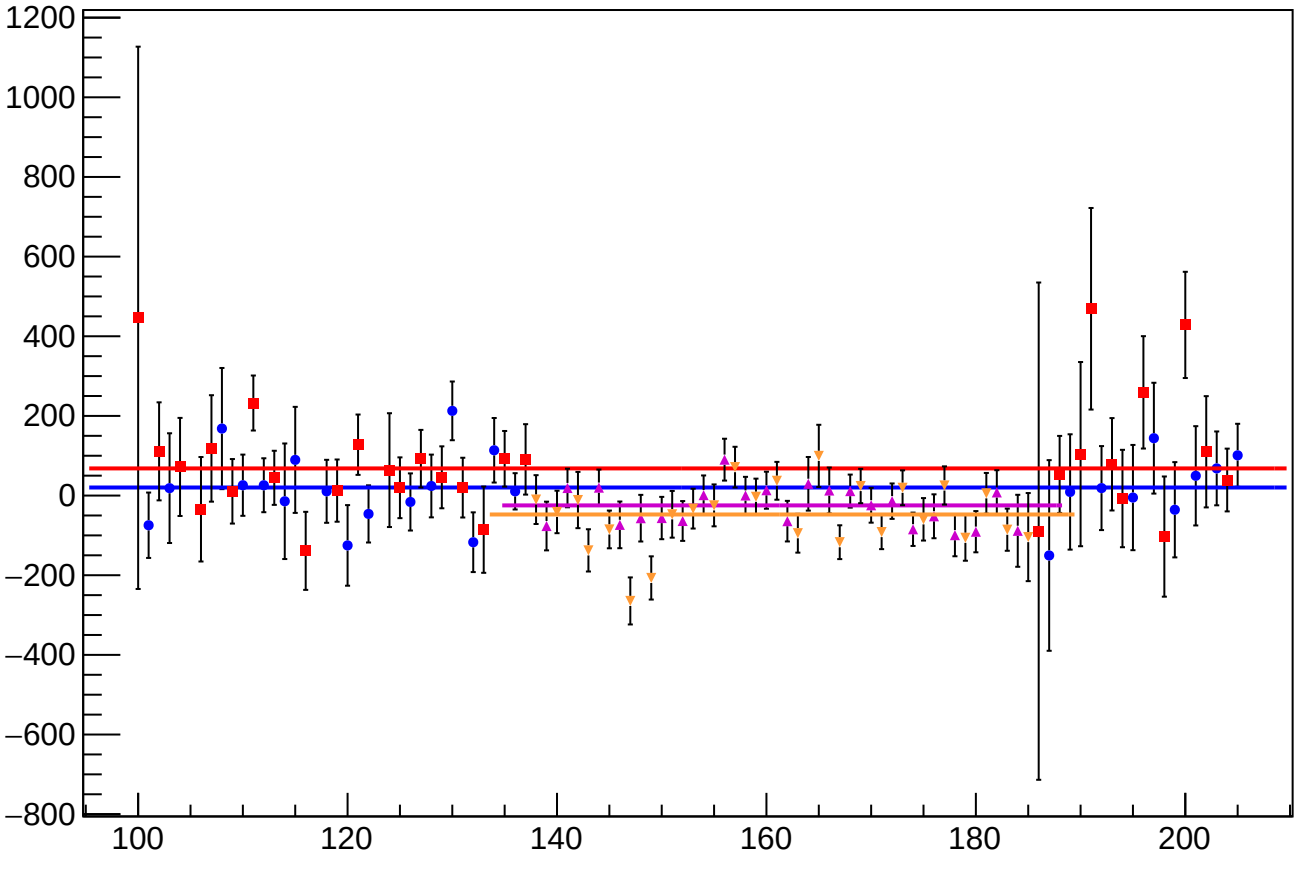
Left: 300.474+/-0.036 χ^2/NDF: 3215867.7/47

Right: 575.758+/-0.082 χ^2/NDF: 9510426.8/54

In: 343.893+/-0.047 χ^2/NDF:9975178.9/47

Out: 343.442+/-0.046 χ^2/NDF:12180088.1/54

All: 343.662+/-0.033 χ^2/NDF: 22155314.8/10



Right In: 20.264+/-17.644 χ^2/NDF: 20.3/24

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 68.172+/-17.989 χ^2/NDF: 29.9/29

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

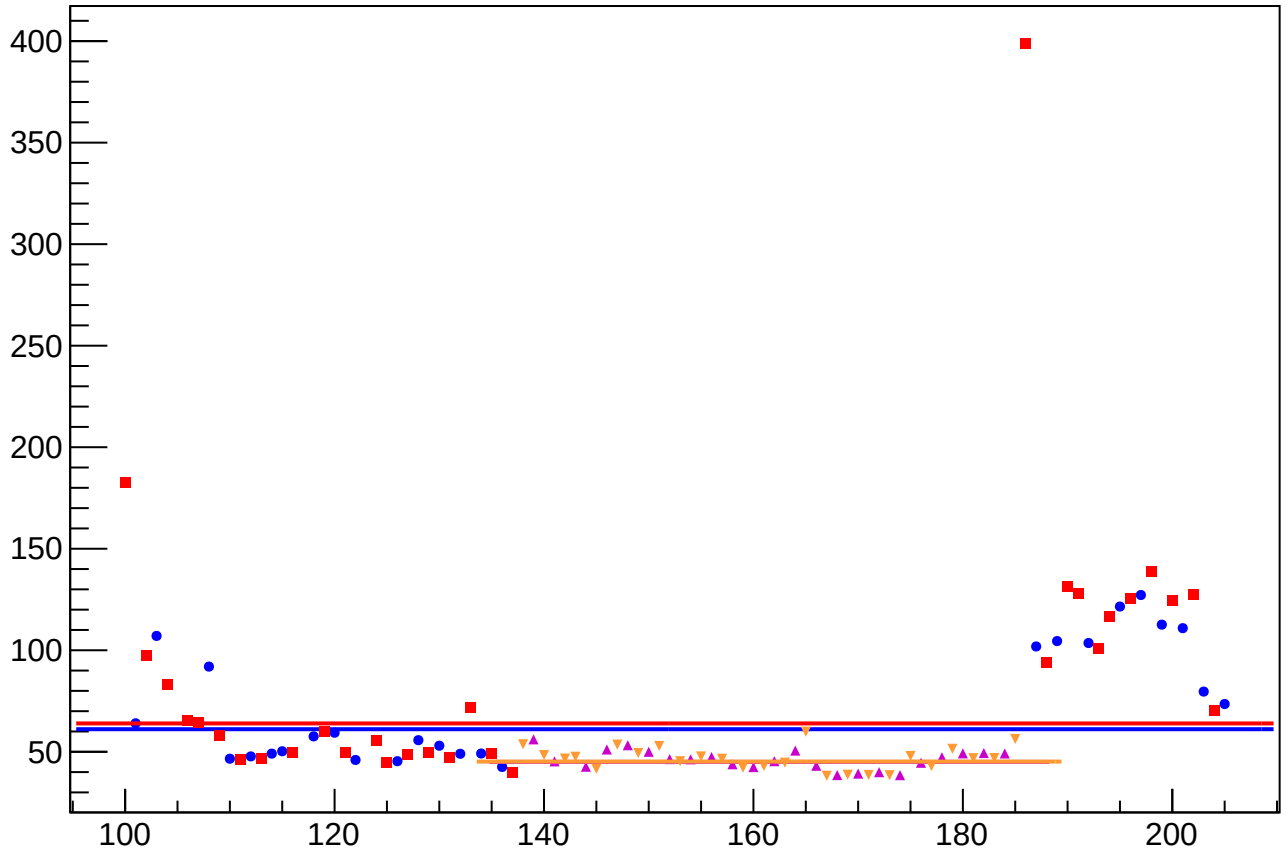
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 43.754+/-12.596 χ^2/NDF: 53.8/54

In: -12.666+/-9.124 χ^2/NDF:44.7/47

Out: -18.541+/-8.998 χ^2/NDF:115.6/54

All: -15.644+/-6.407 χ^2/NDF: 160.5/102



Right In: 61.123+/-0.012 χ^2/NDF: 3386285.7/24

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.964+/-0.013 χ^2/NDF: 4646805.1/29

Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

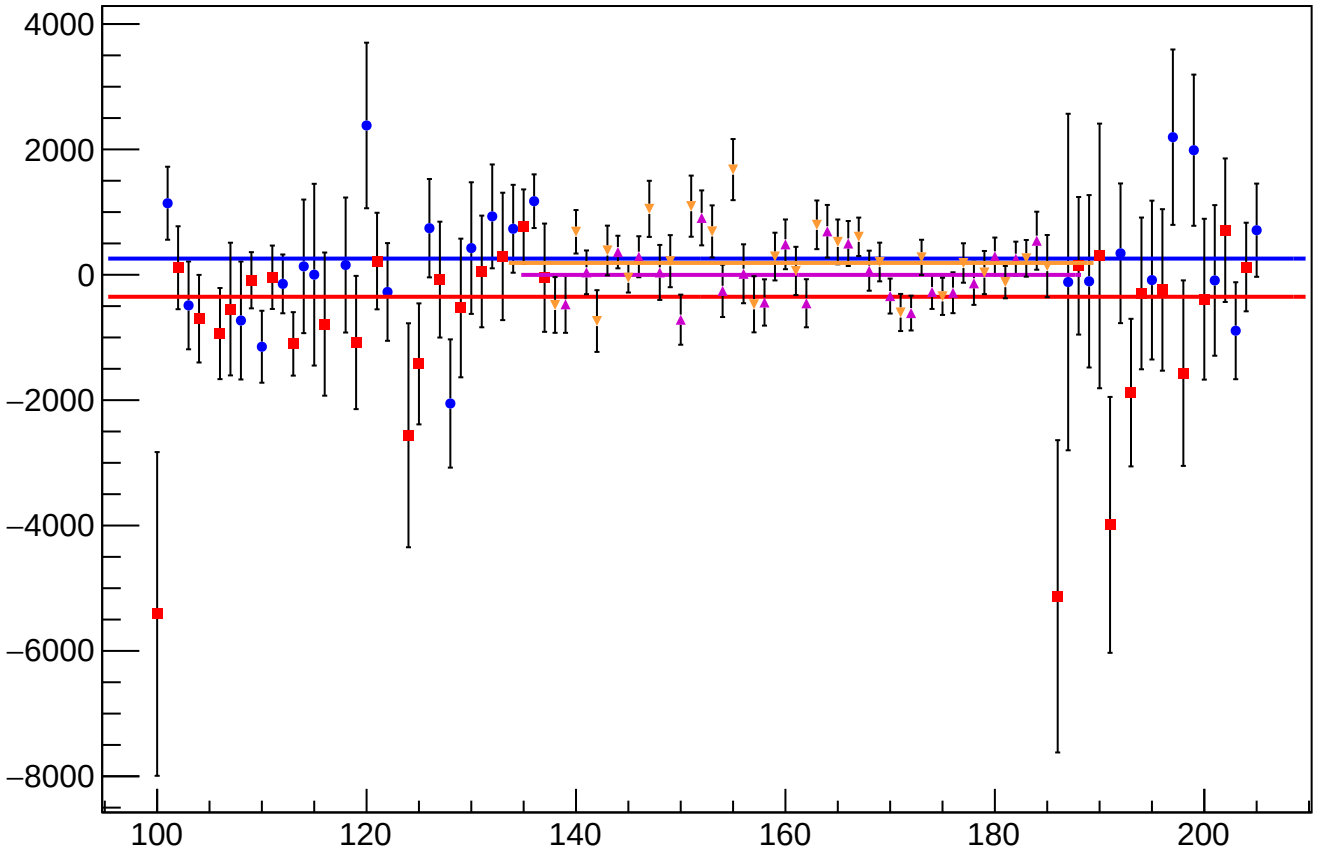
Left: 45.098+/-0.005 χ^2/NDF: 862775.1/47

Right: 62.516+/-0.009 χ^2/NDF: 8058519.8/54

In: 49.324+/-0.006 χ^2/NDF:4979785.2/47

Out: 49.876+/-0.006 χ^2/NDF:6772556.8/54

All: 49.604+/-0.005 χ^2/NDF: 11756056.8/102



Right In: 258.328+/-162.144 χ^2/NDF: 32.4/24

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: -350.962+/-157.208 χ^2/NDF: 27.3/29

Left In: -1.655+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

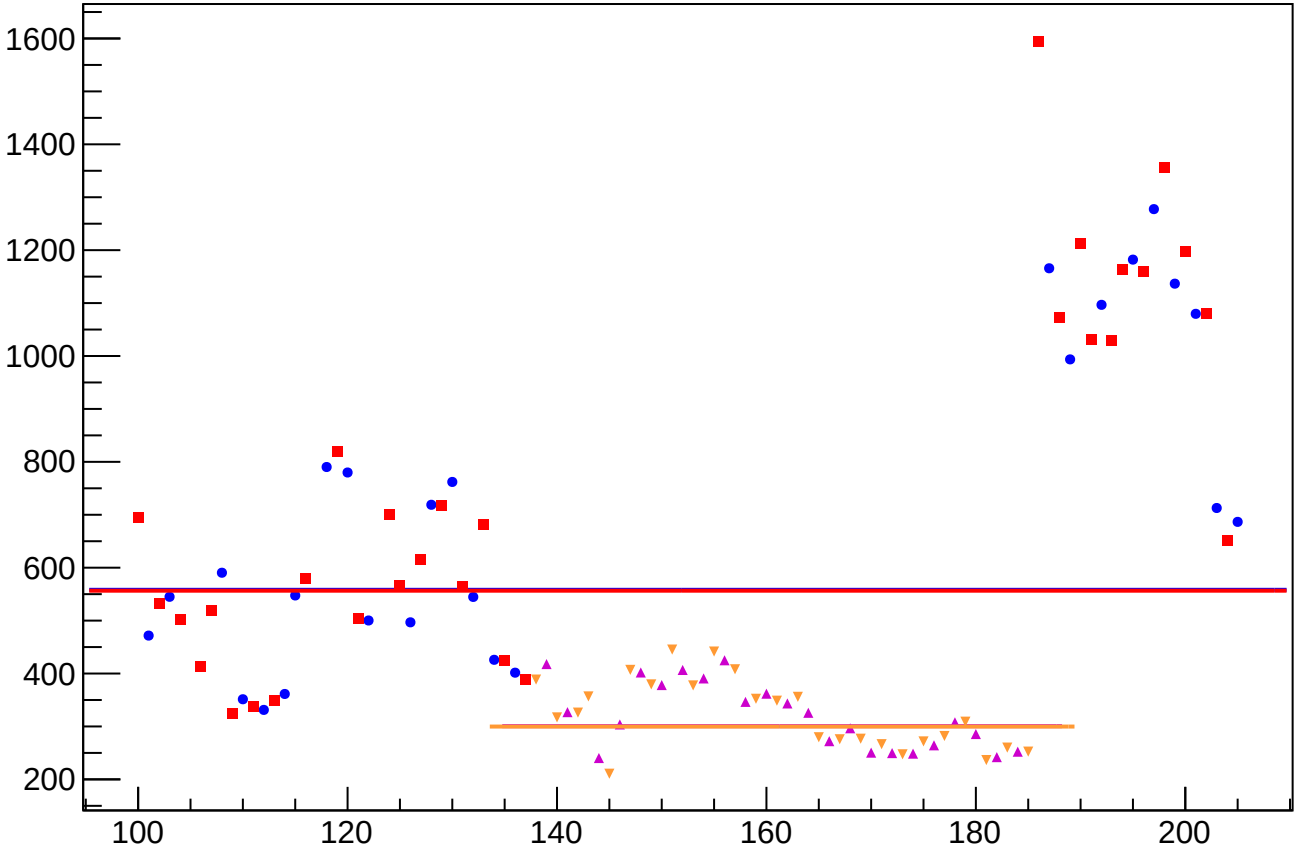
Right: -55.732+/-112.867 χ^2/NDF: 67.0/54

In: 40.880+/-65.584 χ^2/NDF:66.8/47

Out: 100.110+/-63.729 χ^2/NDF:83.9/54

All: 71.345+/-45.705 χ^2/NDF: 151.1/102

asym_sam_15_37_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 558.193+/-0.115 χ^2/NDF: 4240720.8/24

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 556.544+/-0.111 χ^2/NDF: 5639778.5/29

Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

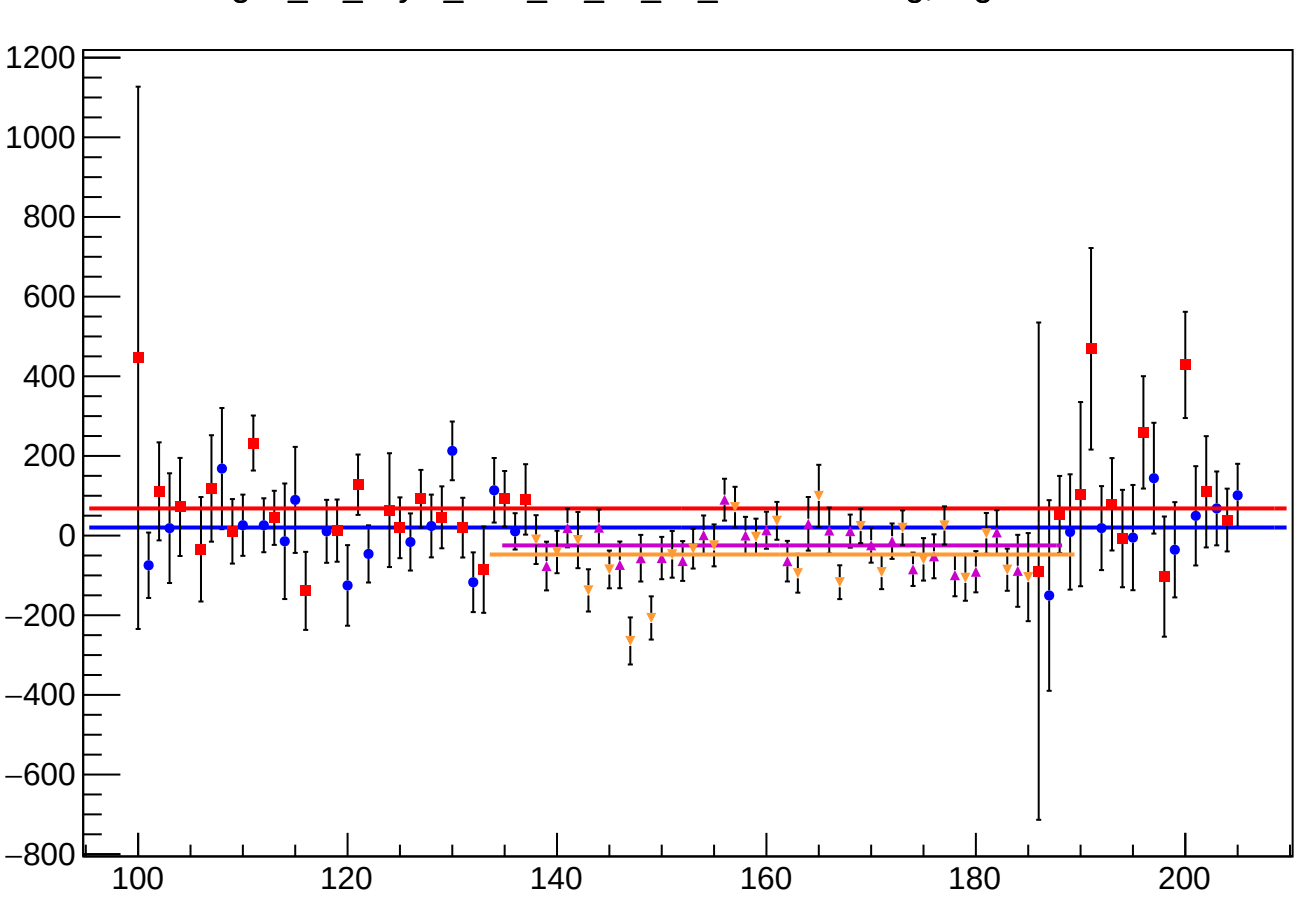
Left: 300.161+/-0.035 χ^2/NDF: 2836802.1/47

Right: 557.343+/-0.080 χ^2/NDF: 9880605.9/54

In: 342.697+/-0.046 χ^2/NDF:9723729.8/47

Out: 341.990+/-0.045 χ^2/NDF:11675001.1/54

All: 342.333+/-0.032 χ^2/NDF: 21398850.6/10



Right In: 20.264+/-17.644 χ^2/NDF: 20.3/24

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: 68.172+/-17.989 χ^2/NDF: 29.9/29

Left In: -24.687+/-10.660 χ^2/NDF:19.7/22

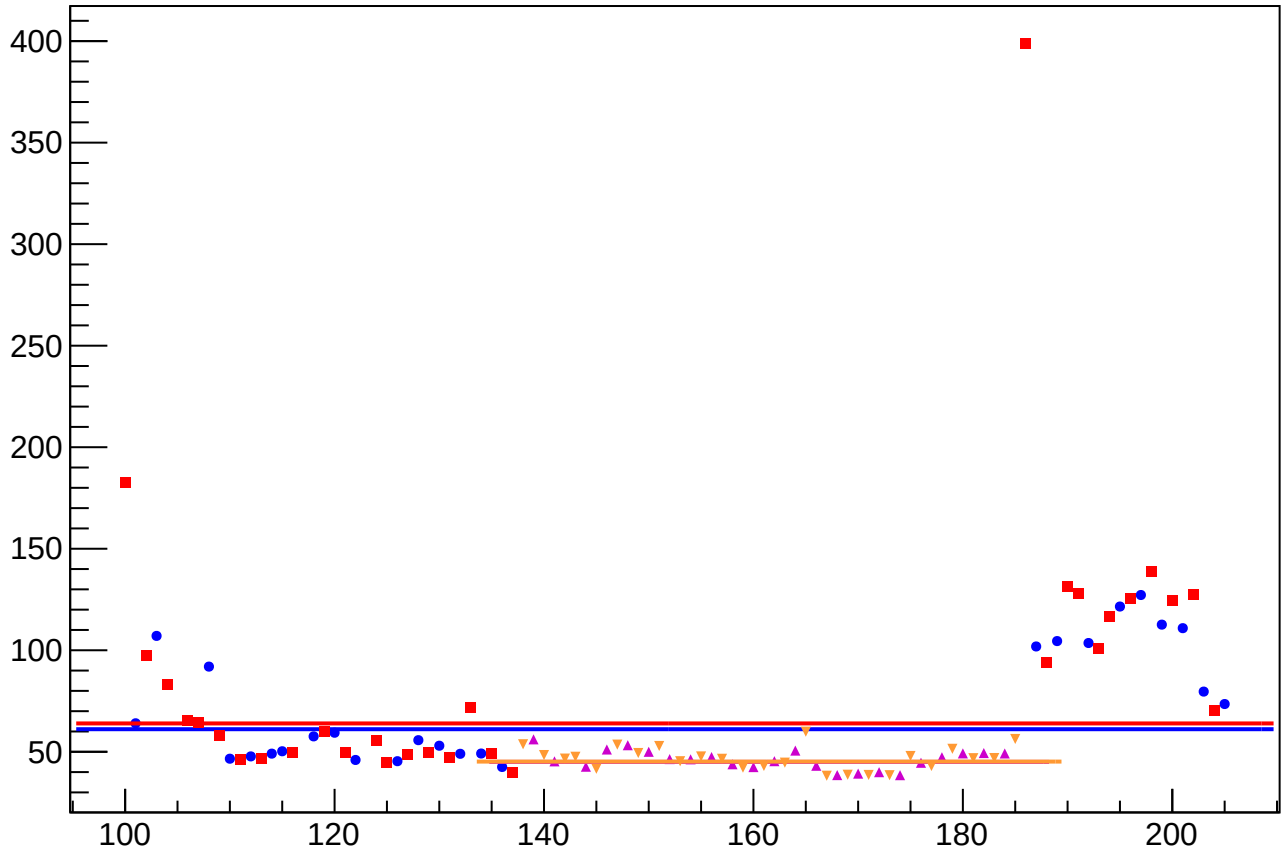
Left: -36.373+/-7.441 χ^2/NDF: 76.7/47

Right: 43.754+/-12.596 χ^2/NDF: 53.8/54

In: -12.667+/-9.124 χ^2/NDF:44.7/47

Out: -18.541+/-8.998 χ^2/NDF:115.6/54

All: -15.645+/-6.407 χ^2/NDF: 160.5/102



Right In: 61.123+/-0.012 χ^2/NDF: 3386290.4/24

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 63.964+/-0.013 χ^2/NDF: 4646808.0/29

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

Left: 45.098+/-0.005 χ^2/NDF: 862776.2/47

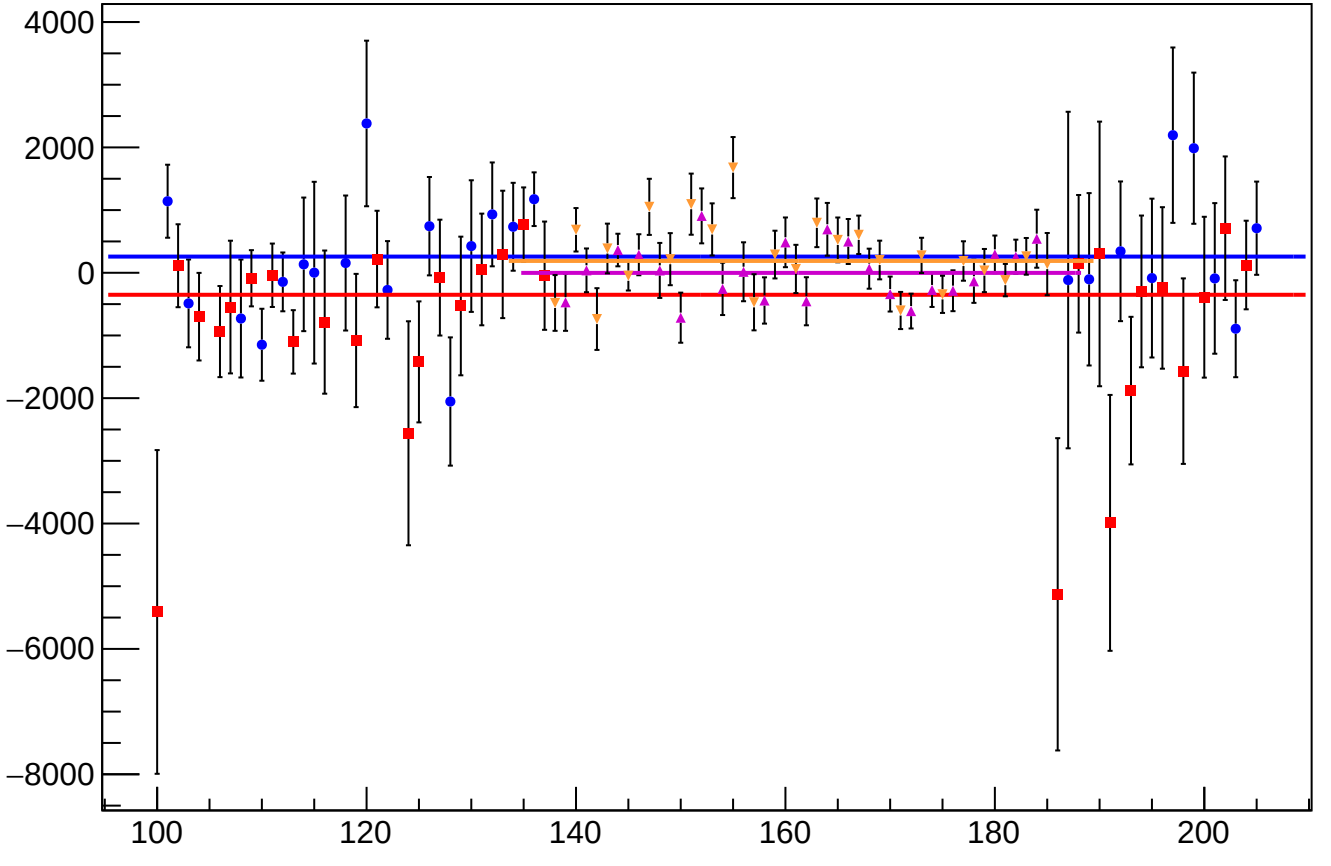
Right: 62.516+/-0.009 χ^2/NDF: 8058528.1/54

In: 49.324+/-0.006 χ^2/NDF:4979787.2/47

Out: 49.876+/-0.006 χ^2/NDF:6772567.4/54

All: 49.604+/-0.005 χ^2/NDF: 11756069.0/102

asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 258.327+/-162.143 χ^2/NDF: 32.4/24

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

Right Out: -350.962+/-157.208 χ^2/NDF: 27.3/29

Left In: -1.654+/-71.712 χ^2/NDF:32.2/22

Left: 96.270+/-49.987 χ^2/NDF: 82.6/47

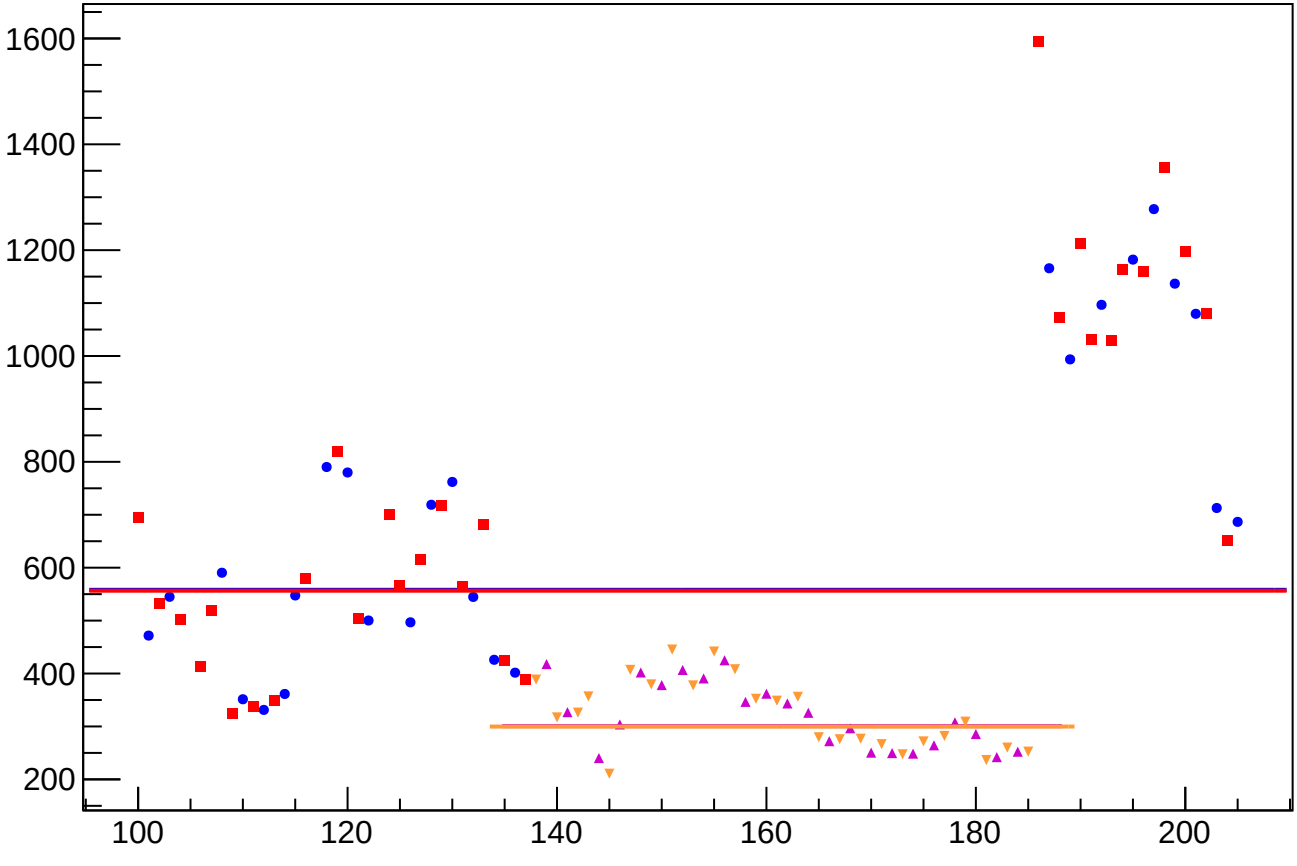
Right: -55.732+/-112.867 χ^2/NDF: 67.0/54

In: 40.880+/-65.584 χ^2/NDF:66.8/47

Out: 100.110+/-63.729 χ^2/NDF:83.9/54

All: 71.345+/-45.705 χ^2/NDF: 151.1/102

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 558.192+/-0.115 χ^2/NDF: 4240732.3/24

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 556.543+/-0.111 χ^2/NDF: 5639785.6/29

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

Left: 300.161+/-0.035 χ^2/NDF: 2836797.9/47

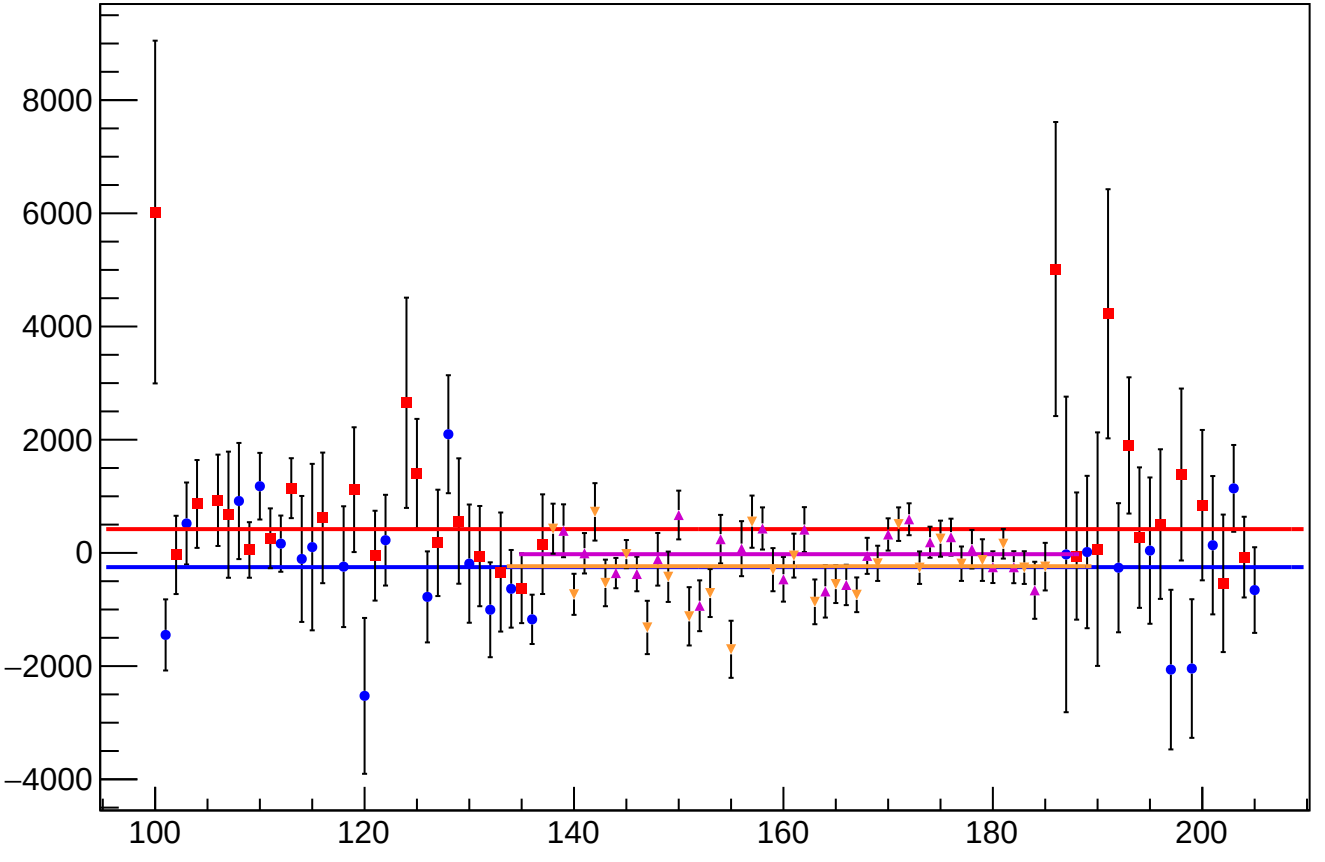
Right: 557.342+/-0.080 χ^2/NDF: 9880624.6/54

In: 342.697+/-0.046 χ^2/NDF:9723702.7/47

Out: 341.990+/-0.045 χ^2/NDF:11674981.3/54

All: 342.333+/-0.032 χ^2/NDF: 21398803.7/10

asym_sam_15_37_dd_mean vs Slug, Sign Corrected



Right In: -251.343+/-166.445 χ^2/NDF: 34.5/24

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: 420.274+/-164.382 χ^2/NDF: 23.7/29

Left In: -22.662+/-72.642 χ^2/NDF:29.9/22

Left: -131.732+/-50.680 χ^2/NDF: 81.7/47

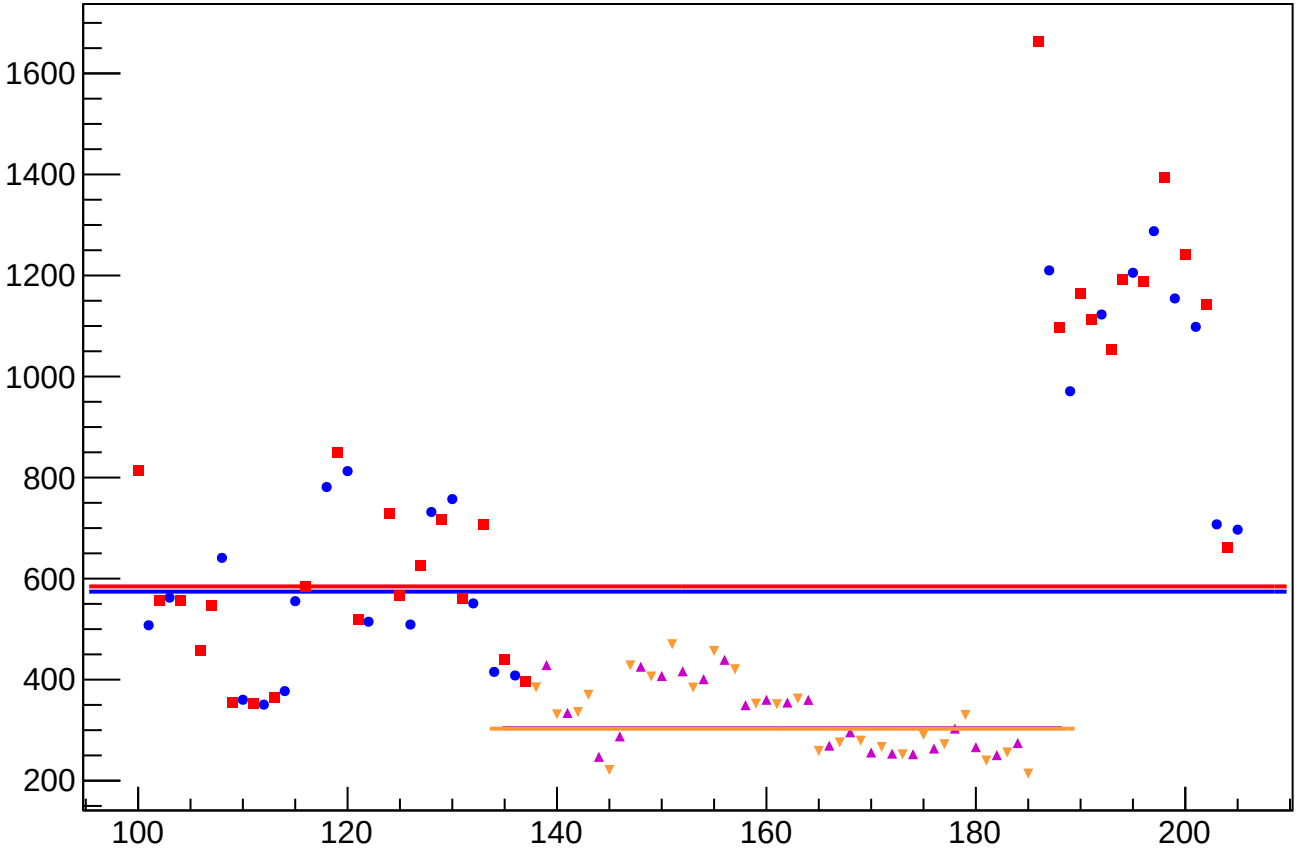
Right: 88.652+/-116.958 χ^2/NDF: 66.5/54

In: -59.251+/-66.578 χ^2/NDF:65.9/47

Out: -132.749+/-64.980 χ^2/NDF:84.6/54

All: -96.893+/-46.502 χ^2/NDF: 151.2/102

asym_sam_15_37_dd_rms vs Slug, Sign Corrected



Right In: 574.216+/-0.118 χ^2/NDF: 4089427.1/24

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

Right Out: 584.558+/-0.116 χ^2/NDF: 5380214.1/29

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

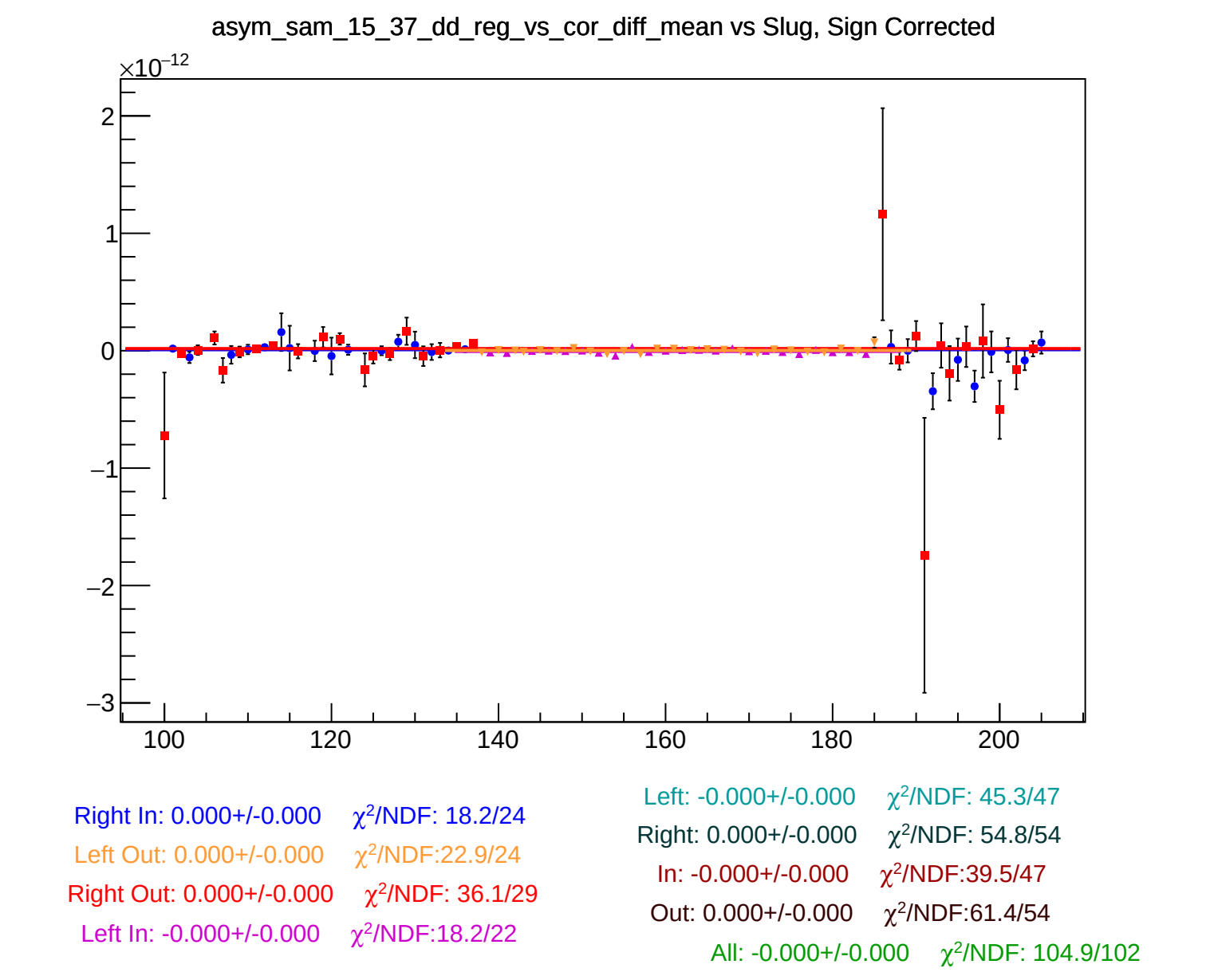
Left: 303.420+/-0.036 χ^2/NDF: 3142526.7/47

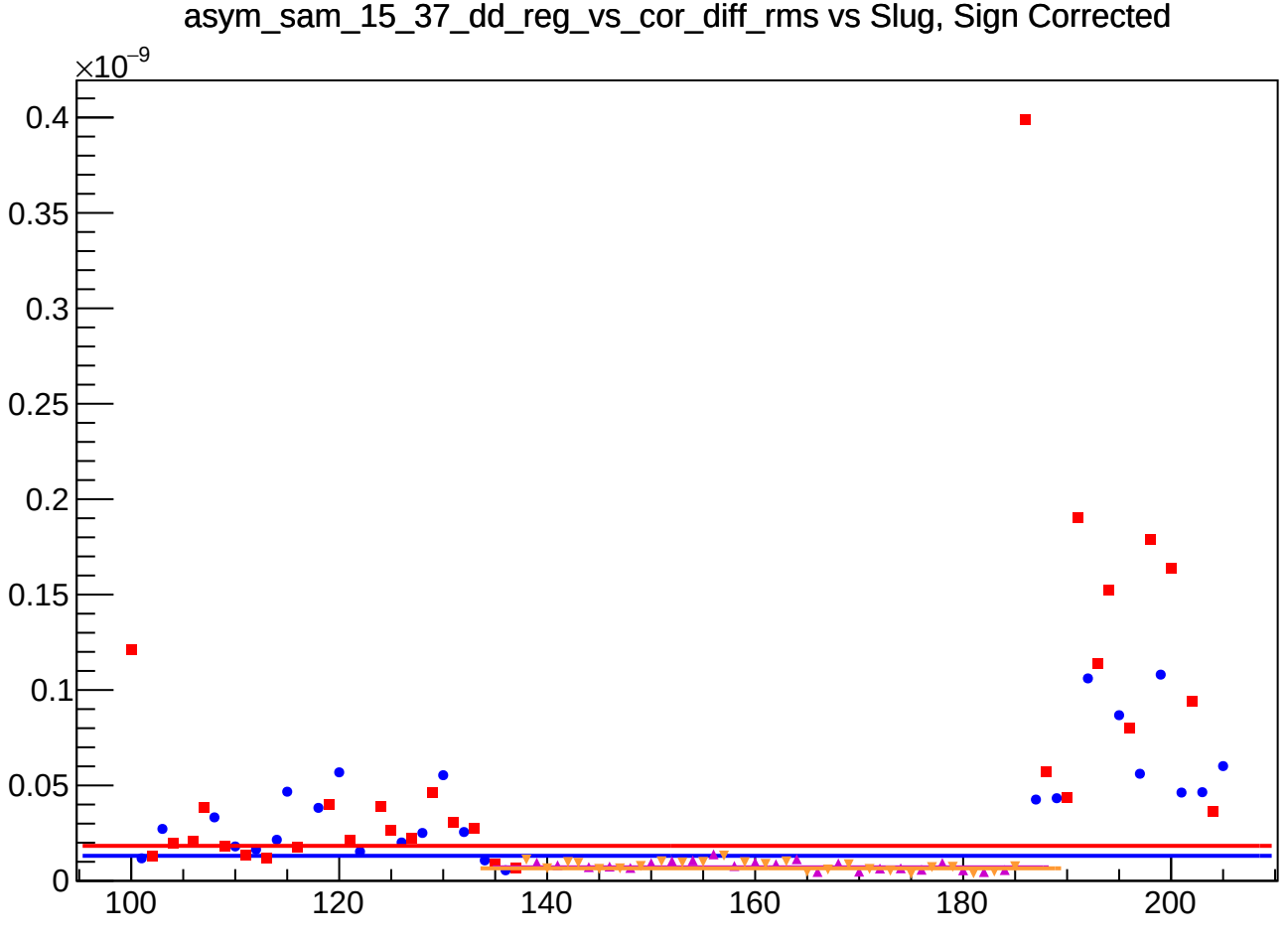
Right: 579.452+/-0.083 χ^2/NDF: 9473550.0/54

In: 347.170+/-0.047 χ^2/NDF:9896070.4/47

Out: 346.948+/-0.046 χ^2/NDF:12098959.3/54

All: 347.056+/-0.033 χ^2/NDF: 21995041.1/10


asym_sam_15_37_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.2/24
Left Out: 0.000+/-0.000 χ²/NDF:22.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.1/29
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: 54.8/54
In: -0.000+/-0.000 χ²/NDF:39.5/47
Out: 0.000+/-0.000 χ²/NDF:61.4/54
All: -0.000+/-0.000 χ²/NDF: 104.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 5380704.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5450405.7/29

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

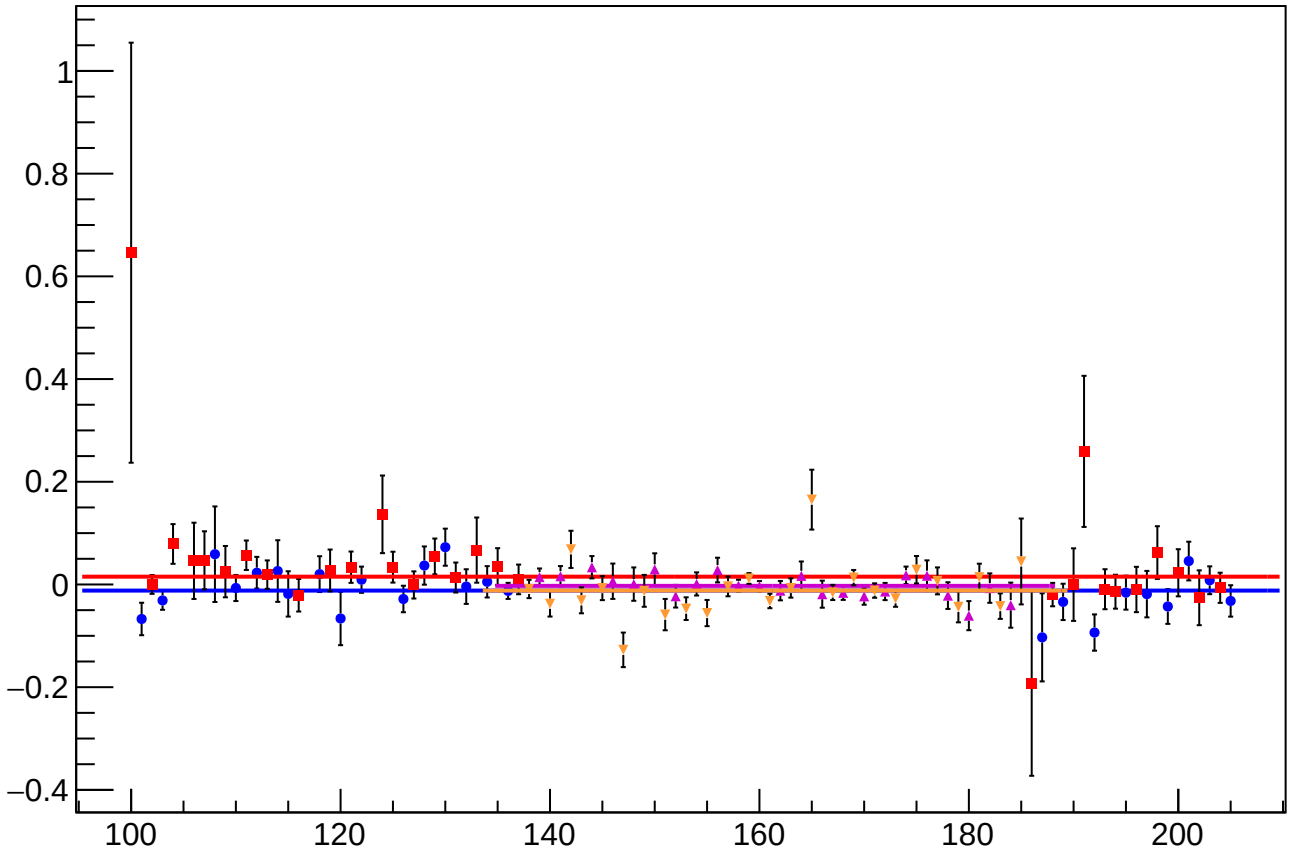
Left: 0.000+/-0.000 χ^2/NDF: 2496461.4/47

Right: 0.000+/-0.000 χ^2/NDF: 11171316.3/54

In: 0.000+/-0.000 χ^2/NDF:7407366.3/47

Out: 0.000+/-0.000 χ^2/NDF:9540054.4/54

All: 0.000+/-0.000 χ^2/NDF: 16977707.4/102



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

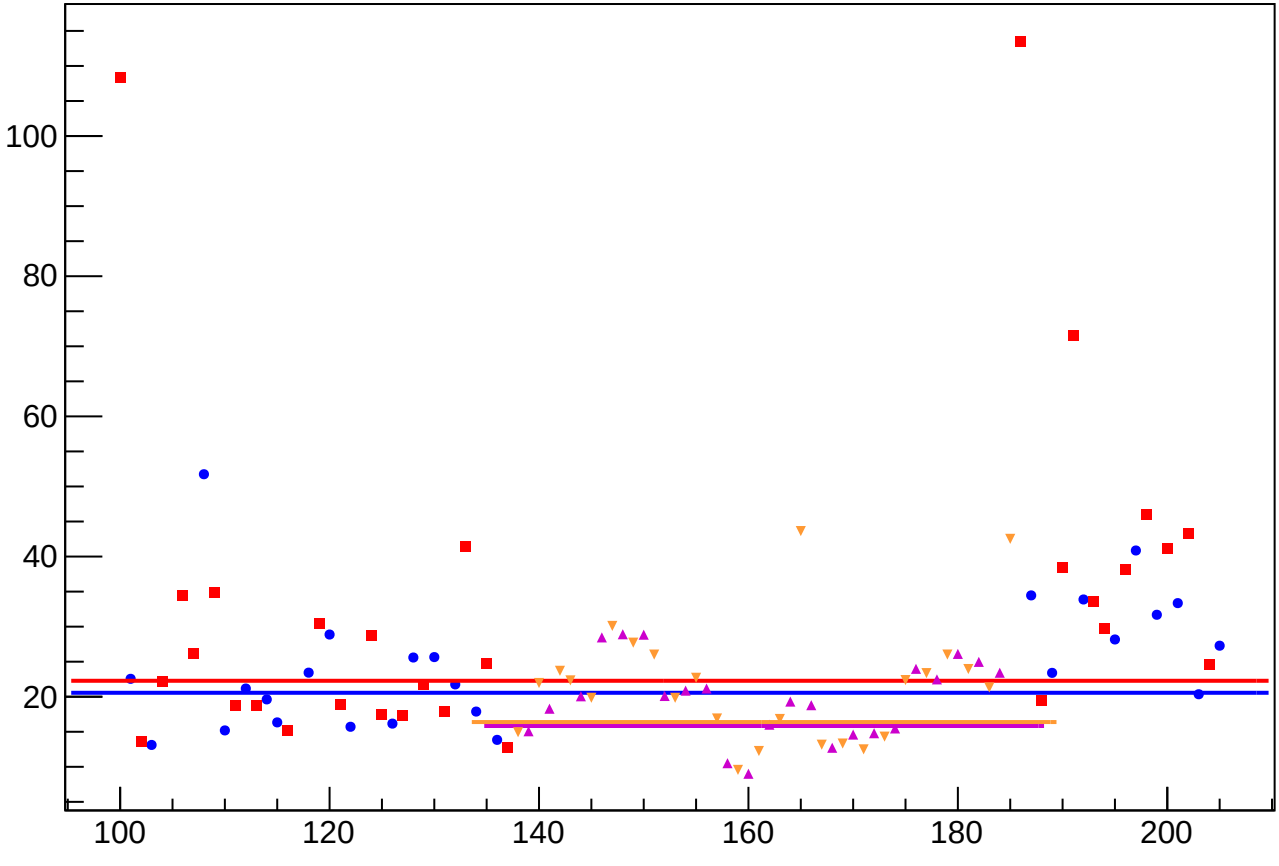
Right: 0.001+/-0.004 χ^2/NDF: 63.0/54

In: -0.005+/-0.003 χ^2/NDF:49.4/47

Out: -0.004+/-0.003 χ^2/NDF:91.5/54

All: -0.005+/-0.002 χ^2/NDF: 141.0/102

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.563+/-0.004 χ^2/NDF: 2735538.6/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.276+/-0.005 χ^2/NDF: 4082456.0/29

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

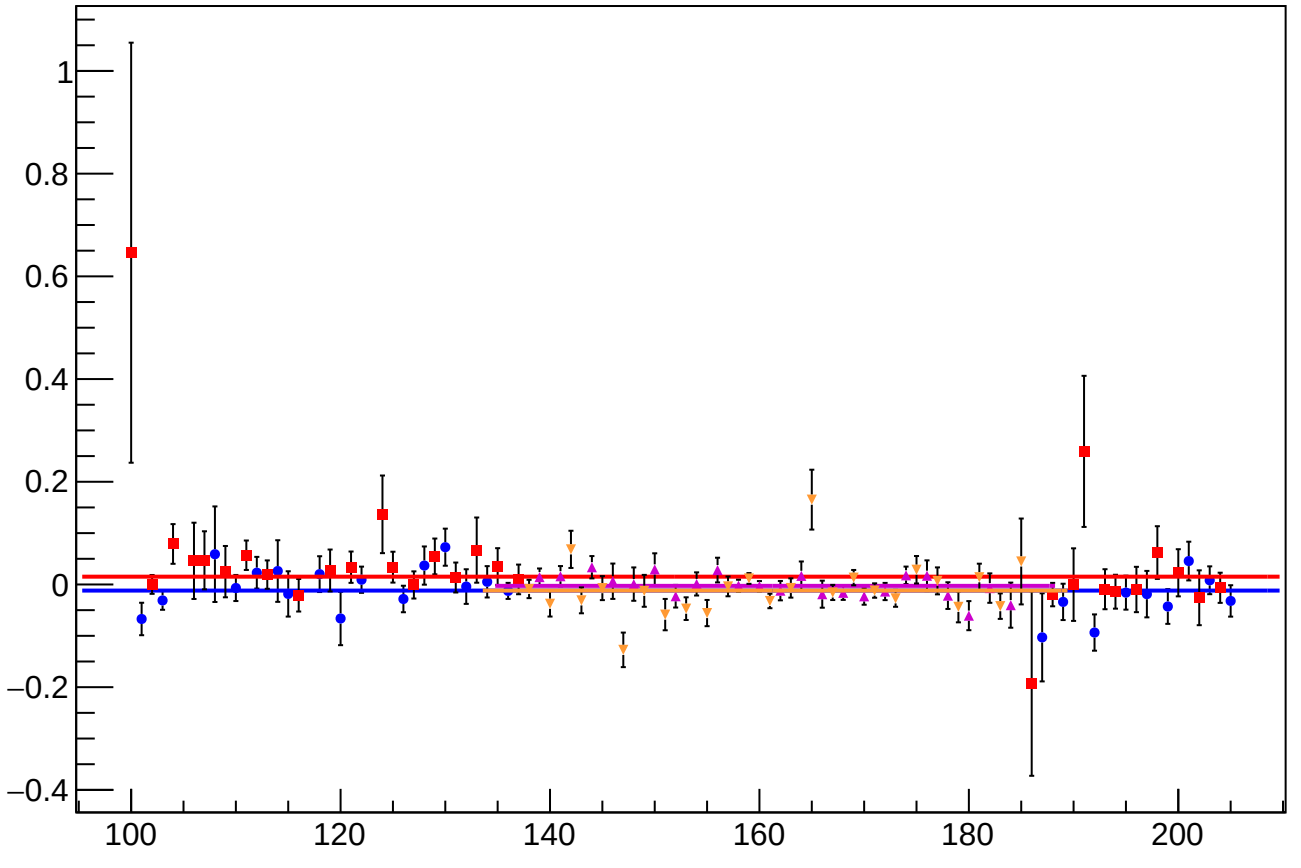
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.366+/-0.003 χ^2/NDF: 6890681.3/54

In: 17.252+/-0.002 χ^2/NDF:7219724.3/47

Out: 18.027+/-0.002 χ^2/NDF:9280166.7/54

All: 17.631+/-0.002 χ^2/NDF: 16551317.8/102



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

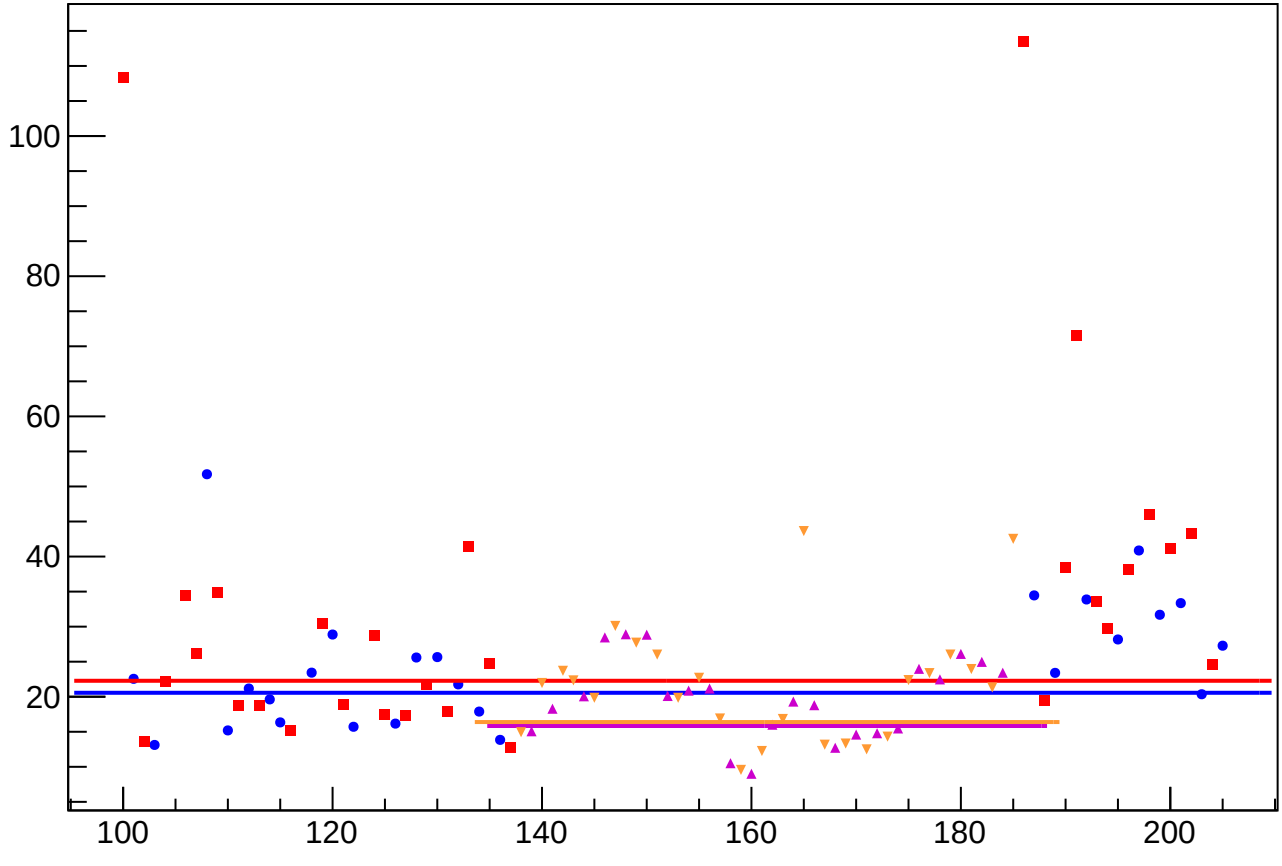
Right: 0.001+/-0.004 χ^2/NDF: 63.0/54

In: -0.005+/-0.003 χ^2/NDF:49.4/47

Out: -0.004+/-0.003 χ^2/NDF:91.5/54

All: -0.005+/-0.002 χ^2/NDF: 141.0/102

asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.563+/-0.004 χ^2/NDF: 2735538.6/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

Right Out: 22.276+/-0.005 χ^2/NDF: 4082456.0/29

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

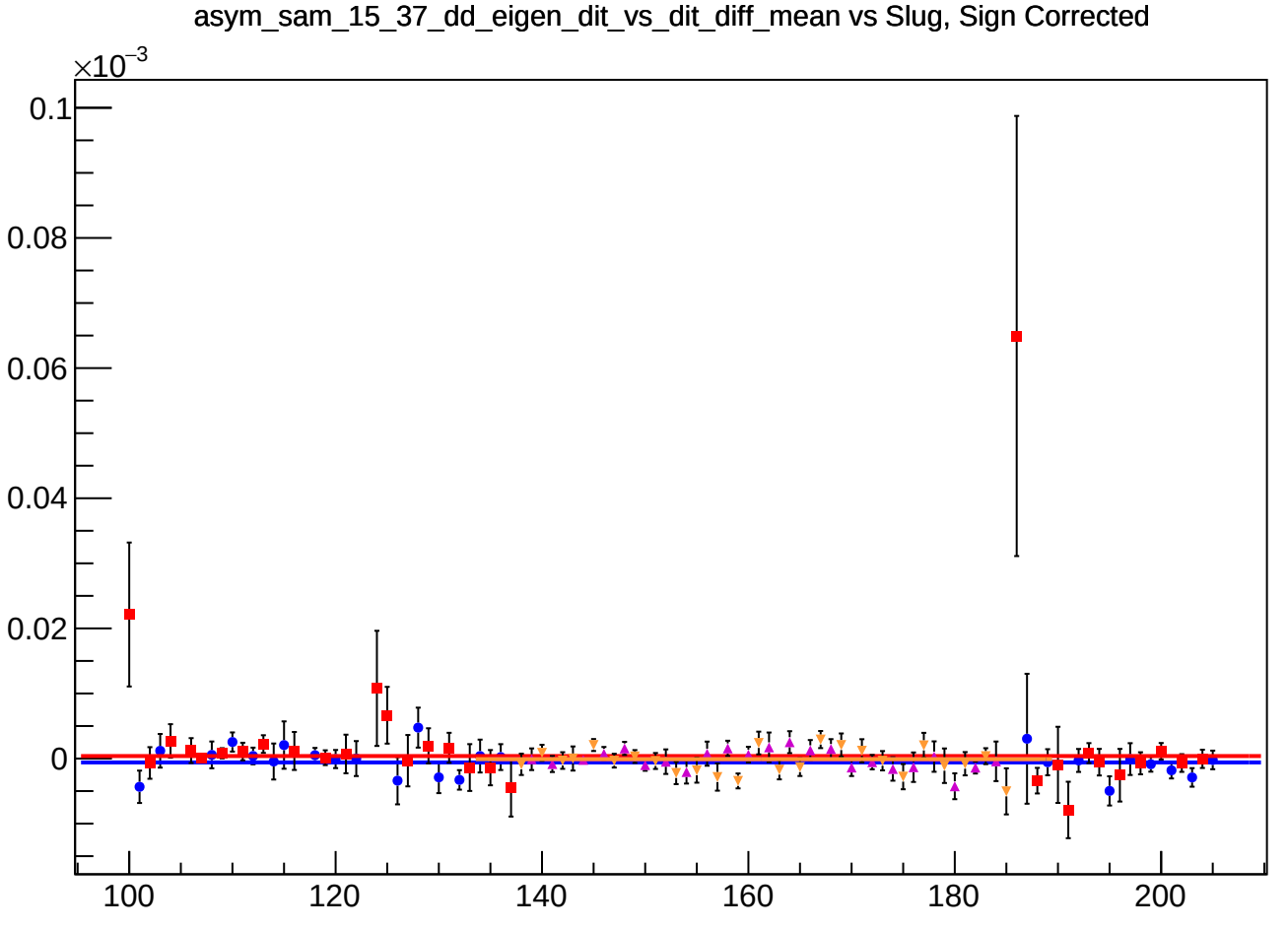
Left: 16.104+/-0.002 χ^2/NDF: 7703852.9/47

Right: 21.366+/-0.003 χ^2/NDF: 6890681.3/54

In: 17.252+/-0.002 χ^2/NDF:7219724.3/47

Out: 18.027+/-0.002 χ^2/NDF:9280166.7/54

All: 17.631+/-0.002 χ^2/NDF: 16551317.8/102



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/29

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

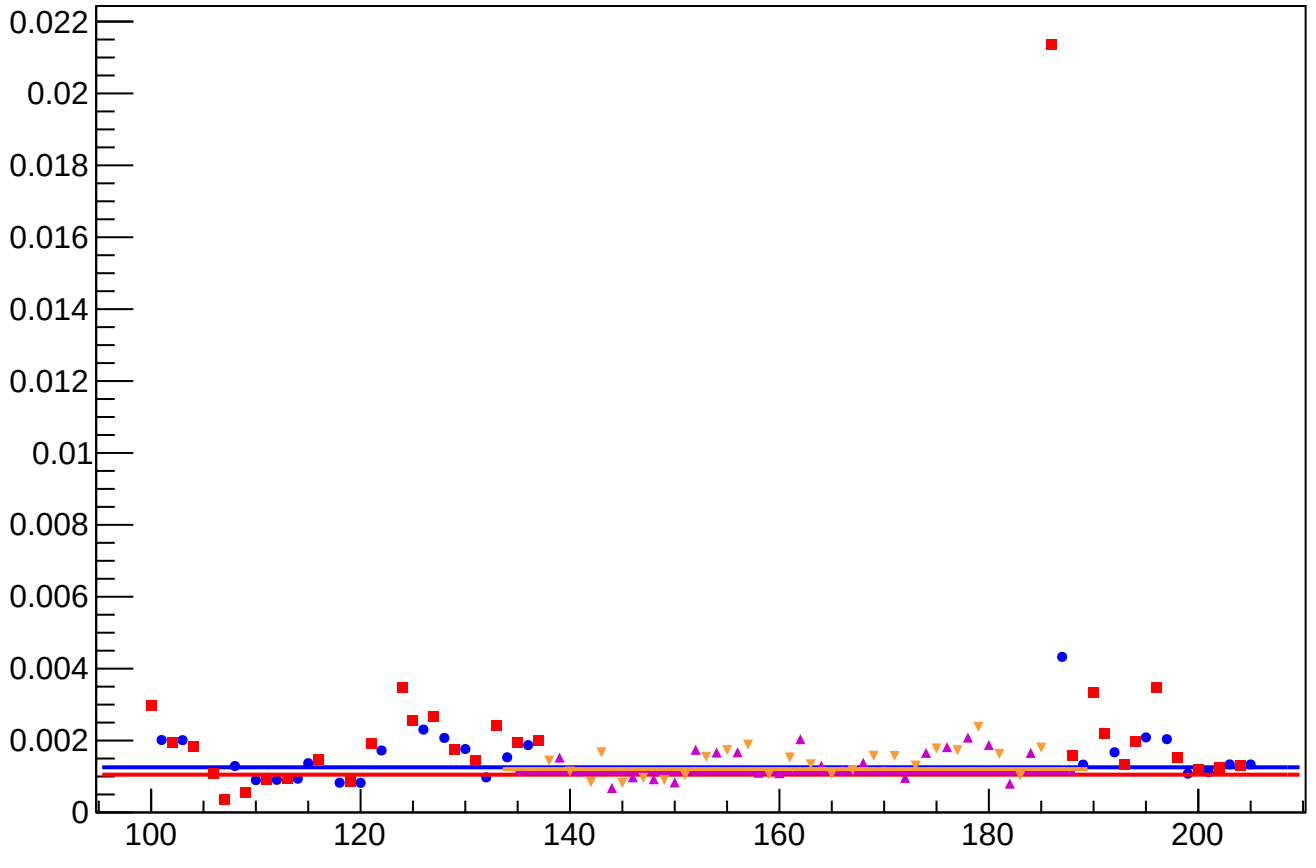
Left: -0.000+/-0.000 χ^2/NDF: 58.1/47

Right: -0.000+/-0.000 χ^2/NDF: 56.9/54

In: -0.000+/-0.000 χ^2/NDF:48.8/47

Out: 0.000+/-0.000 χ^2/NDF:64.4/54

All: -0.000+/-0.000 χ^2/NDF: 115.0/102



Right In: 0.001+/-0.000 χ^2/NDF: 2746350.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7675223.4/29

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

Left: 0.001+/-0.000 χ^2/NDF: 6352461.8/47

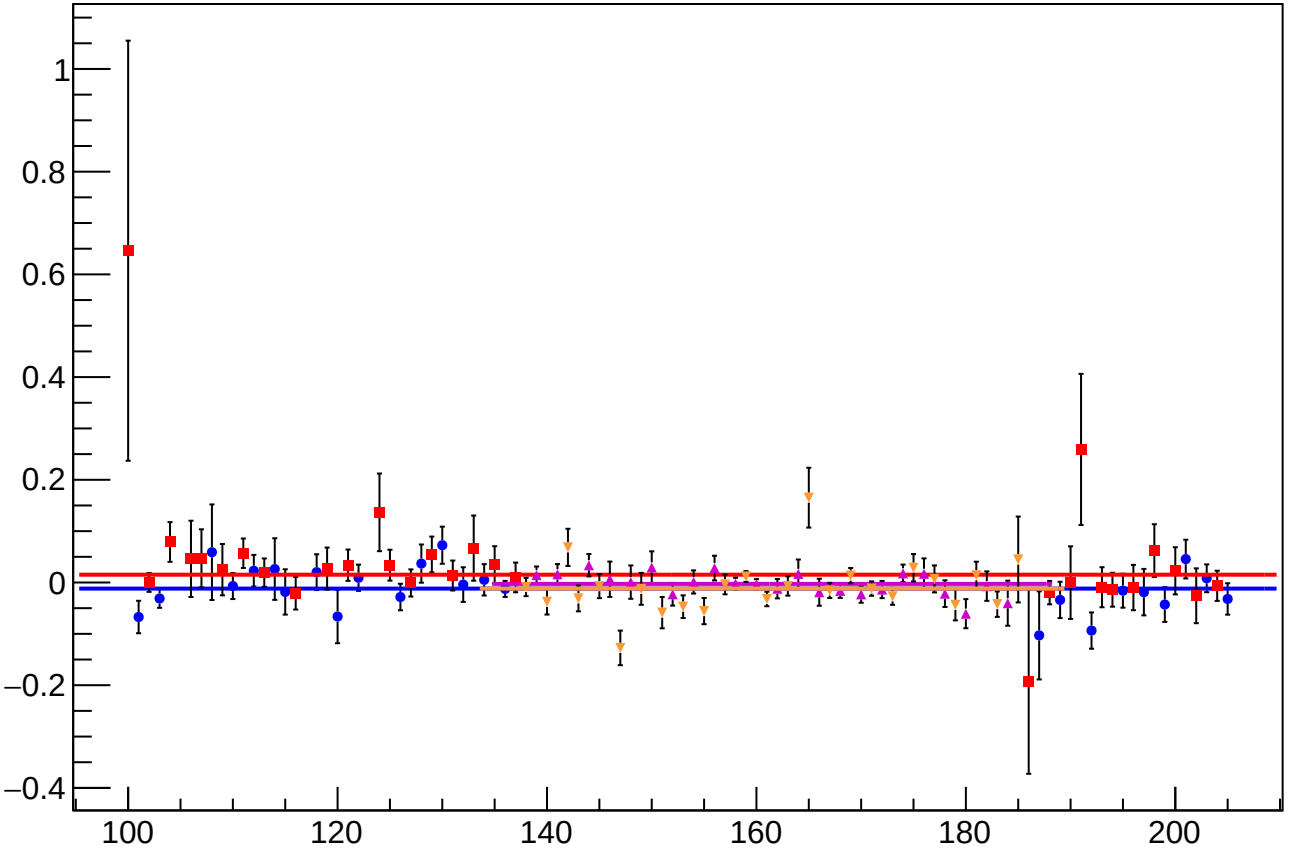
Right: 0.001+/-0.000 χ^2/NDF: 10788722.9/54

In: 0.001+/-0.000 χ^2/NDF:6469194.2/47

Out: 0.001+/-0.000 χ^2/NDF:10663384.9/54

All: 0.001+/-0.000 χ^2/NDF: 17144161.9/102

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

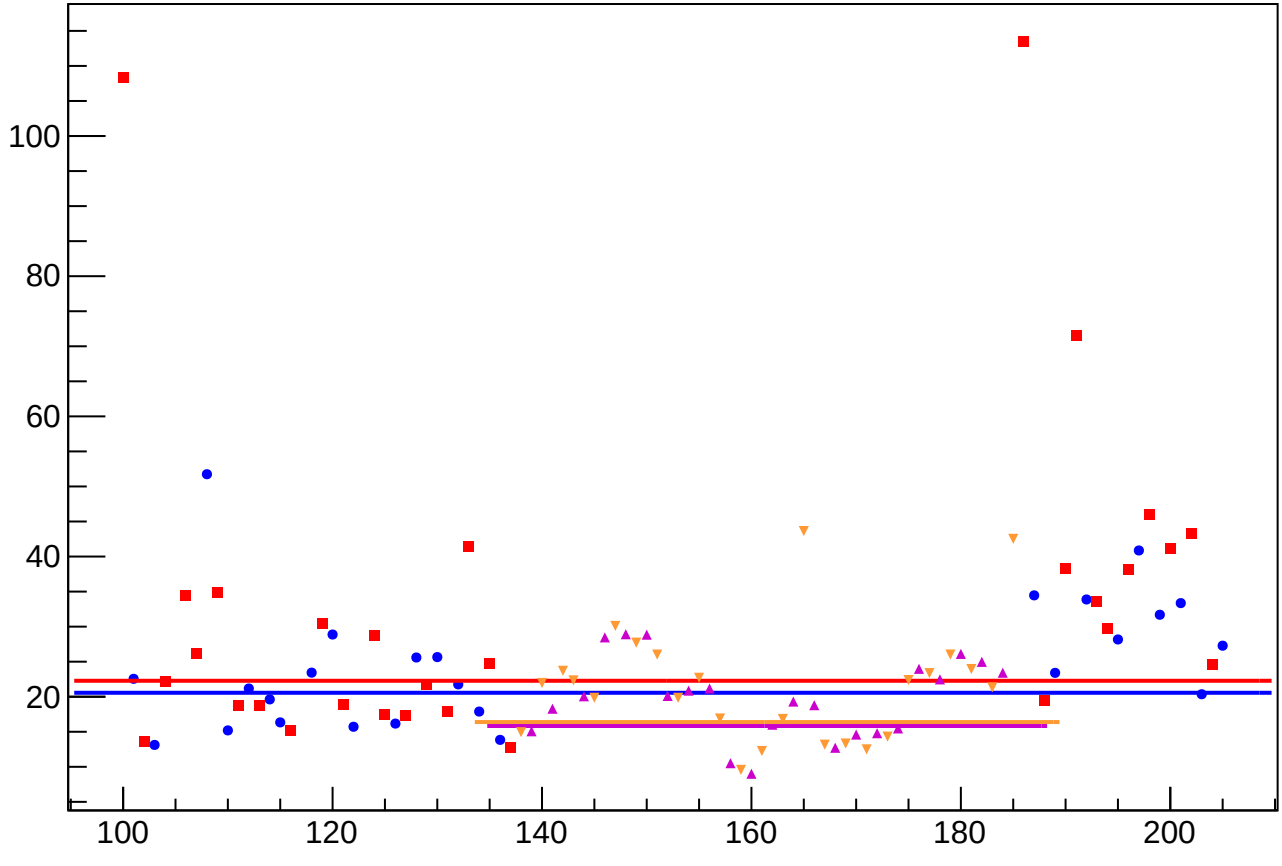
Right: 0.001+/-0.004 χ^2/NDF: 63.0/54

In: -0.005+/-0.003 χ^2/NDF:49.4/47

Out: -0.004+/-0.003 χ^2/NDF:91.5/54

All: -0.005+/-0.002 χ^2/NDF: 141.0/102

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.563+/-0.004 χ^2/NDF: 2735545.7/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.276+/-0.005 χ^2/NDF: 4082183.6/29

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

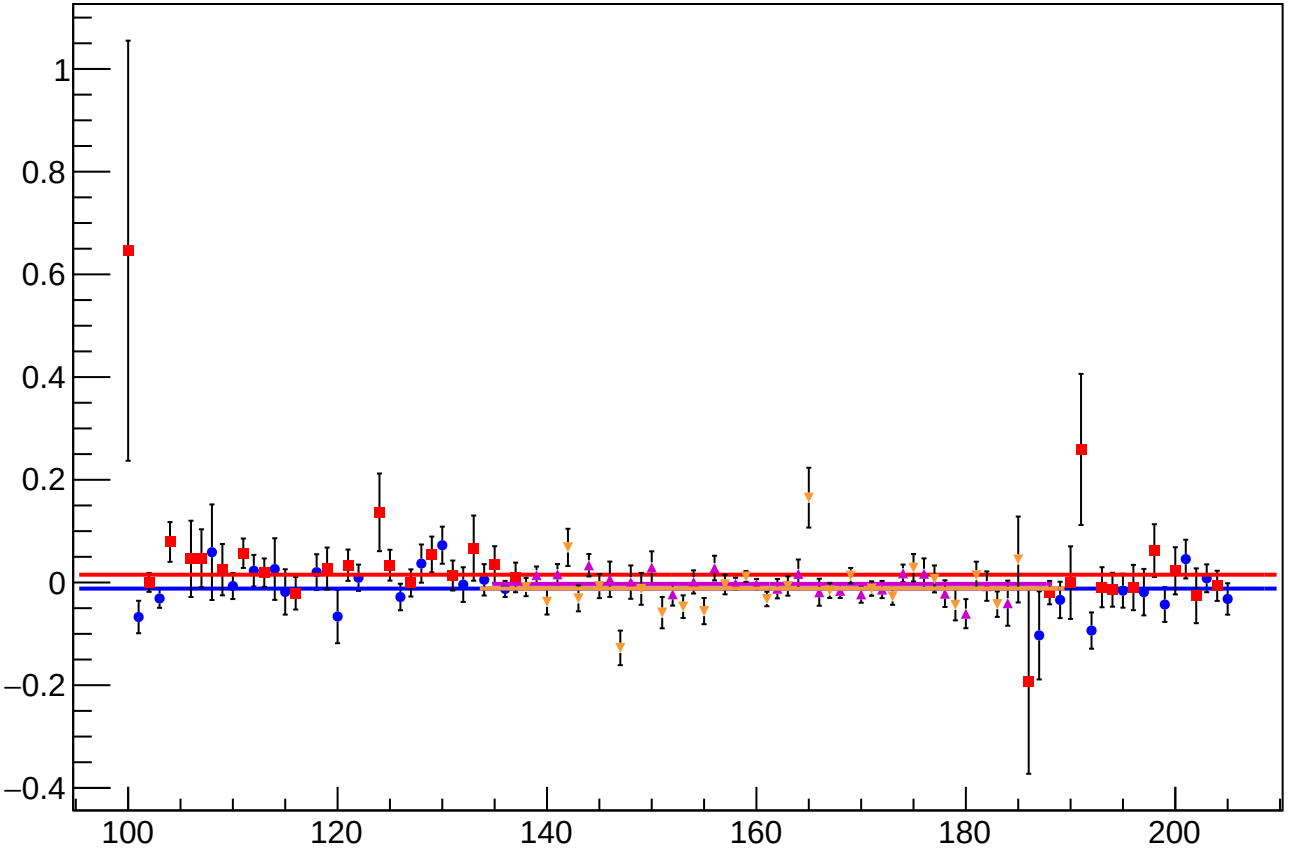
Right: 21.367+/-0.003 χ^2/NDF: 6890452.3/54

In: 17.252+/-0.002 χ^2/NDF:7220206.0/47

Out: 18.027+/-0.002 χ^2/NDF:9280400.3/54

All: 17.631+/-0.002 χ^2/NDF: 16552050.4/102

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: 0.015+/-0.007 χ^2/NDF: 25.8/29

Left In: -0.003+/-0.004 χ^2/NDF:19.8/22

Left: -0.007+/-0.003 χ^2/NDF: 75.7/47

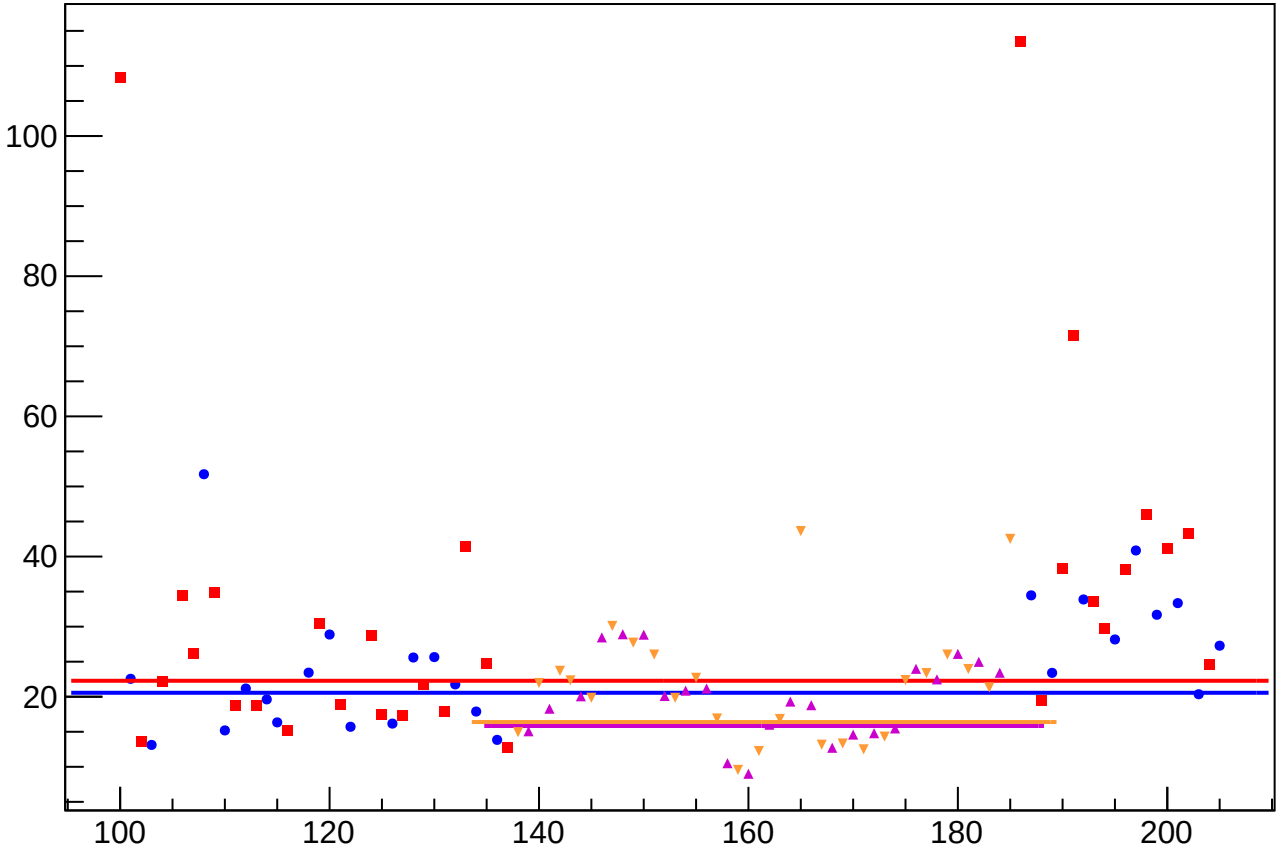
Right: 0.001+/-0.004 χ^2/NDF: 63.0/54

In: -0.005+/-0.003 χ^2/NDF:49.4/47

Out: -0.004+/-0.003 χ^2/NDF:91.5/54

All: -0.005+/-0.002 χ^2/NDF: 141.0/102

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 20.563+/-0.004 χ^2/NDF: 2735545.7/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

Right Out: 22.276+/-0.005 χ^2/NDF: 4082183.6/29

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

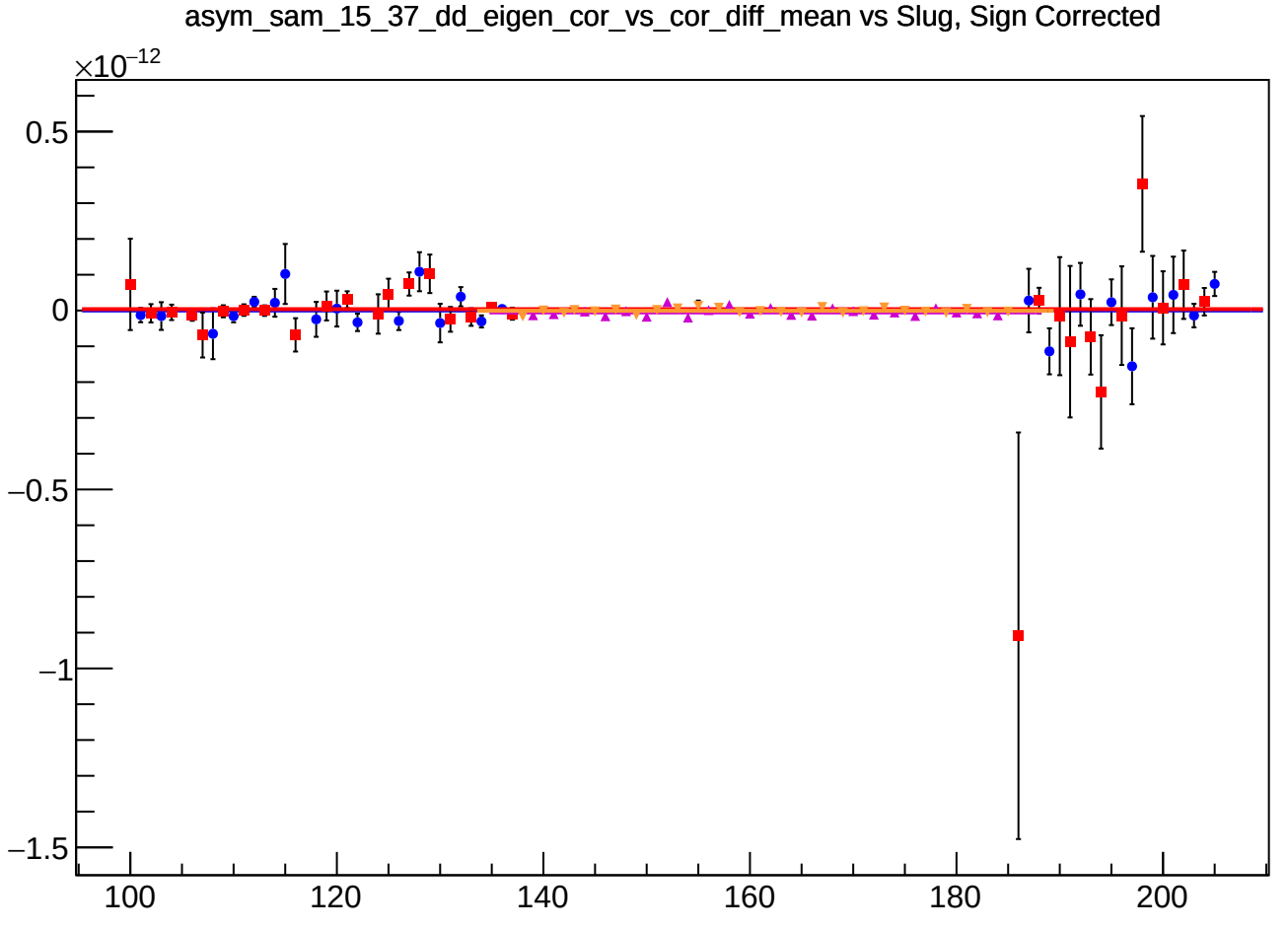
Left: 16.104+/-0.002 χ^2/NDF: 7704470.7/47

Right: 21.367+/-0.003 χ^2/NDF: 6890452.3/54

In: 17.252+/-0.002 χ^2/NDF:7220206.0/47

Out: 18.027+/-0.002 χ^2/NDF:9280400.3/54

All: 17.631+/-0.002 χ^2/NDF: 16552050.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 31.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/29

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

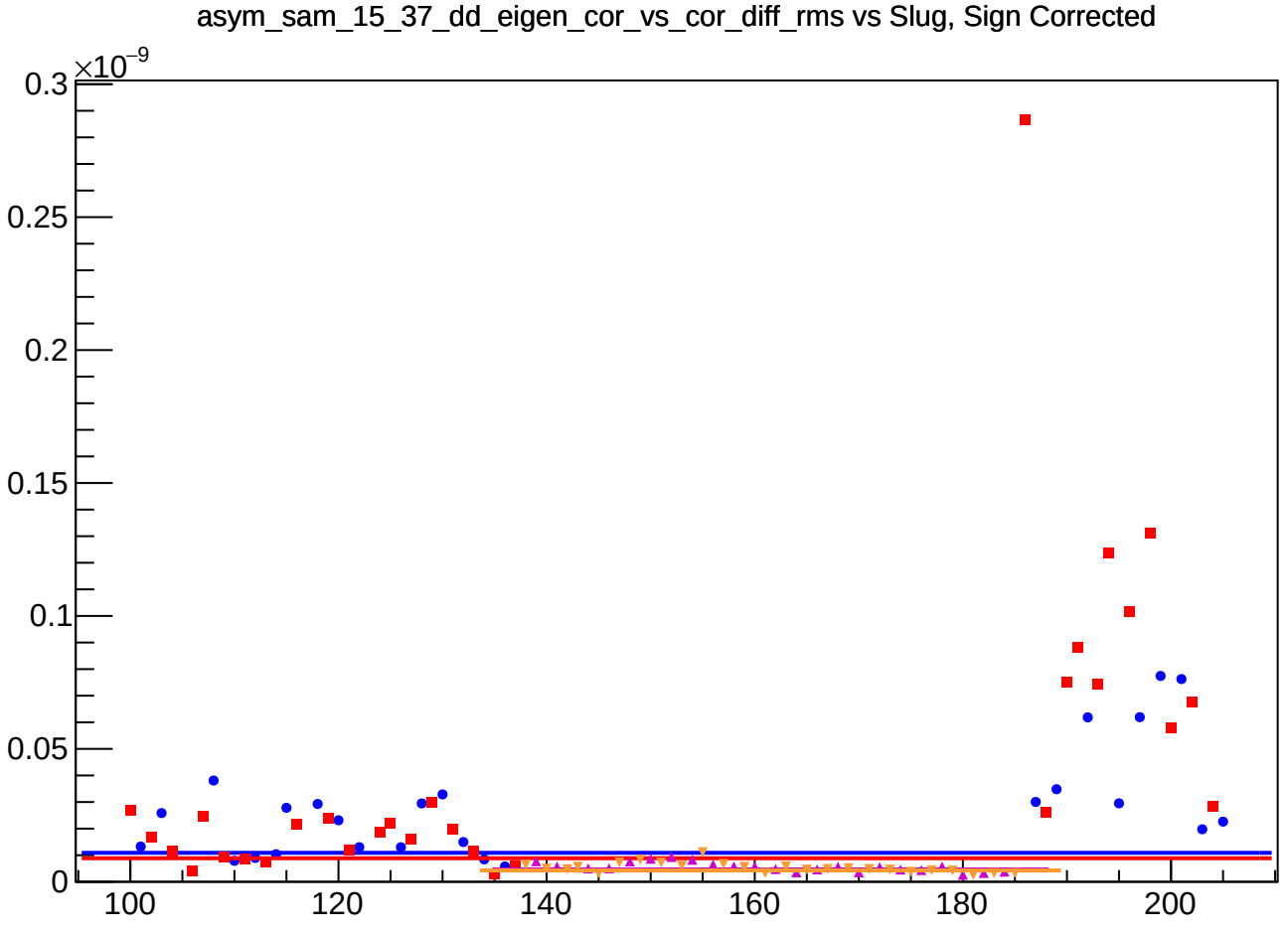
Left: -0.000+/-0.000 χ^2/NDF: 63.0/47

Right: 0.000+/-0.000 χ^2/NDF: 61.0/54

In: -0.000+/-0.000 χ^2/NDF:70.4/47

Out: -0.000+/-0.000 χ^2/NDF:49.4/54

All: -0.000+/-0.000 χ^2/NDF: 126.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 6248951.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10076116.0/29

Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

Left: 0.000+/-0.000 χ^2/NDF: 5171958.0/47

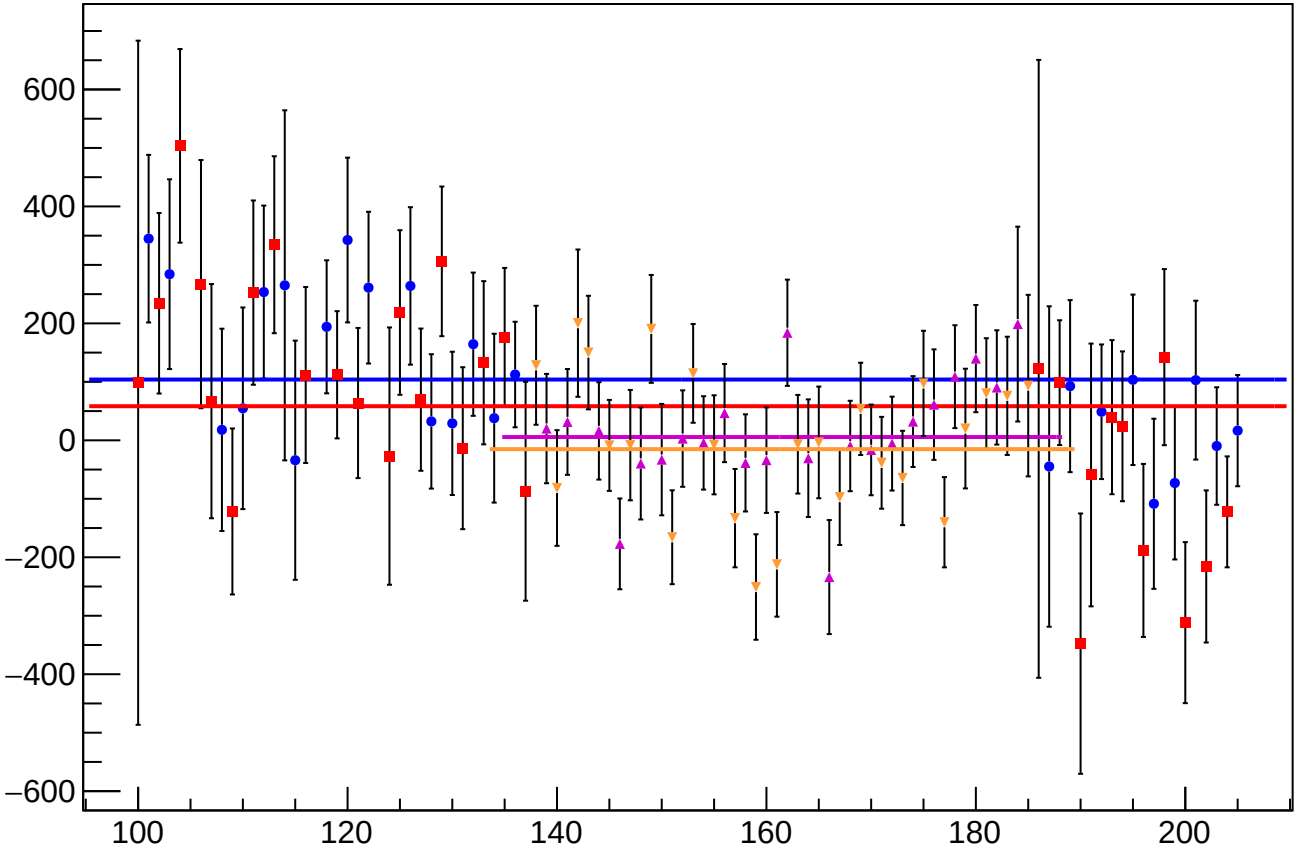
Right: 0.000+/-0.000 χ^2/NDF: 16517873.4/54

In: 0.000+/-0.000 χ^2/NDF:11776375.6/47

Out: 0.000+/-0.000 χ^2/NDF:14659066.1/54

All: 0.000+/-0.000 χ^2/NDF: 26579047.4/102

reg_asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 103.945+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: 58.335+/-26.566 χ^2/NDF: 45.9/29

Left In: 5.629+/-18.382 χ^2/NDF:23.0/22

Left: -4.977+/-12.845 χ^2/NDF: 65.3/47

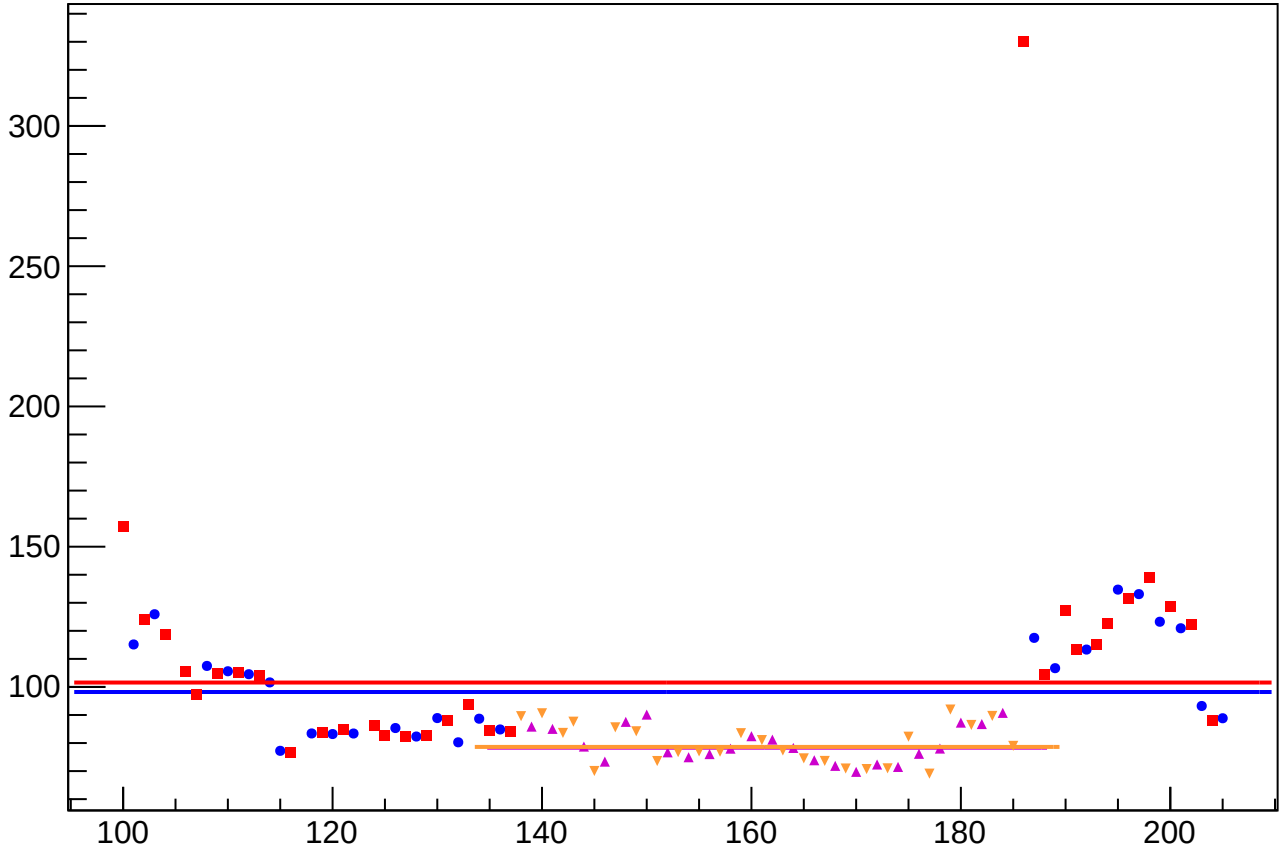
Right: 81.068+/-18.815 χ^2/NDF: 67.8/54

In: 37.324+/-15.131 χ^2/NDF:52.6/47

Out: 7.929+/-14.877 χ^2/NDF:92.8/54

All: 22.378+/-10.608 χ^2/NDF: 147.3/102

reg_asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 98.193+/-0.019 χ^2/NDF: 811763.5/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.569+/-0.019 χ^2/NDF: 1310303.1/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

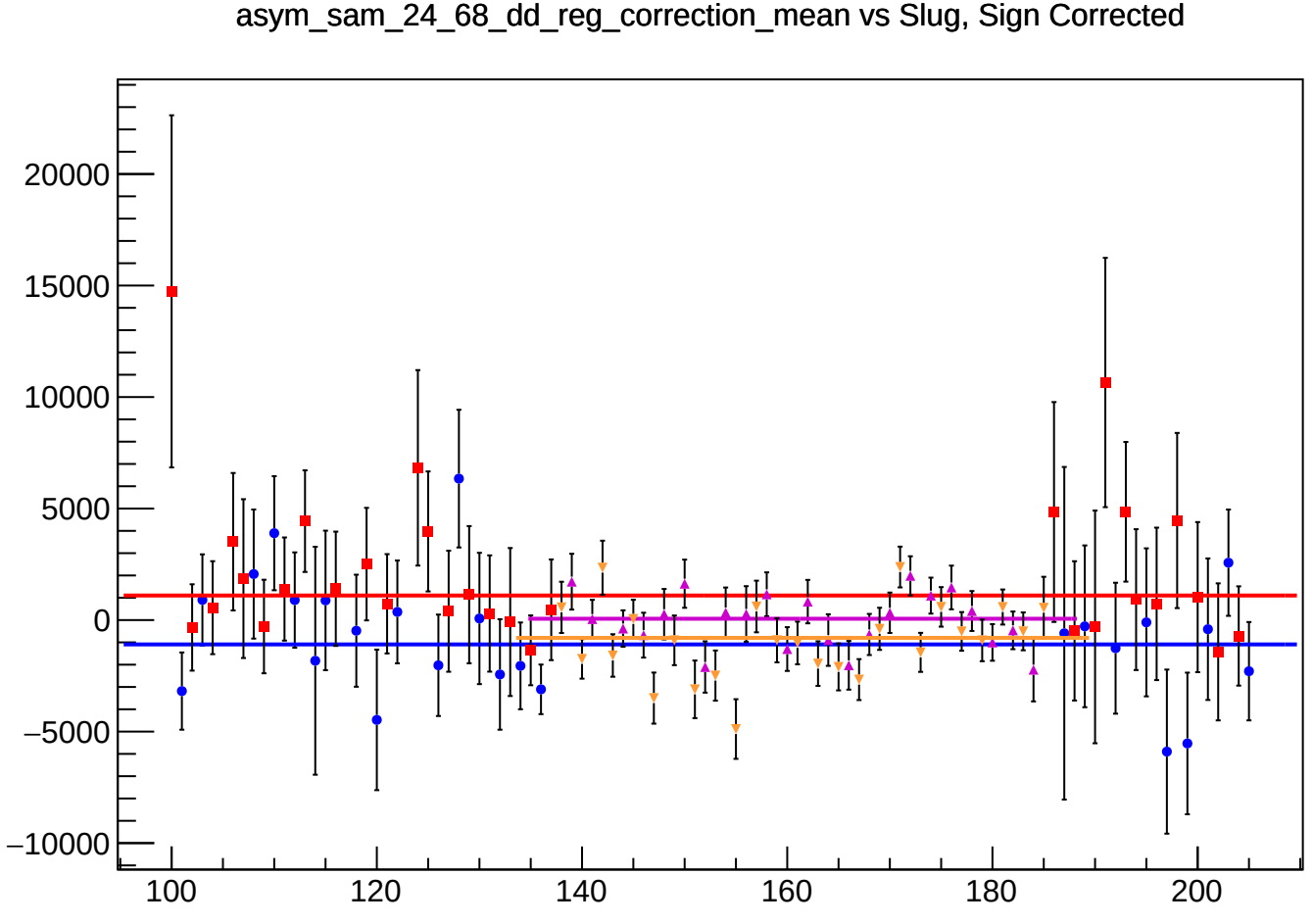
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 99.886+/-0.013 χ^2/NDF: 2138163.8/54

In: 84.736+/-0.011 χ^2/NDF:1773463.0/47

Out: 85.816+/-0.011 χ^2/NDF:2642118.8/54

All: 85.285+/-0.008 χ^2/NDF: 4420755.6/102



Right In: -1091.975+/-484.593 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1101.691+/-496.861 χ^2/NDF: 20.2/29

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

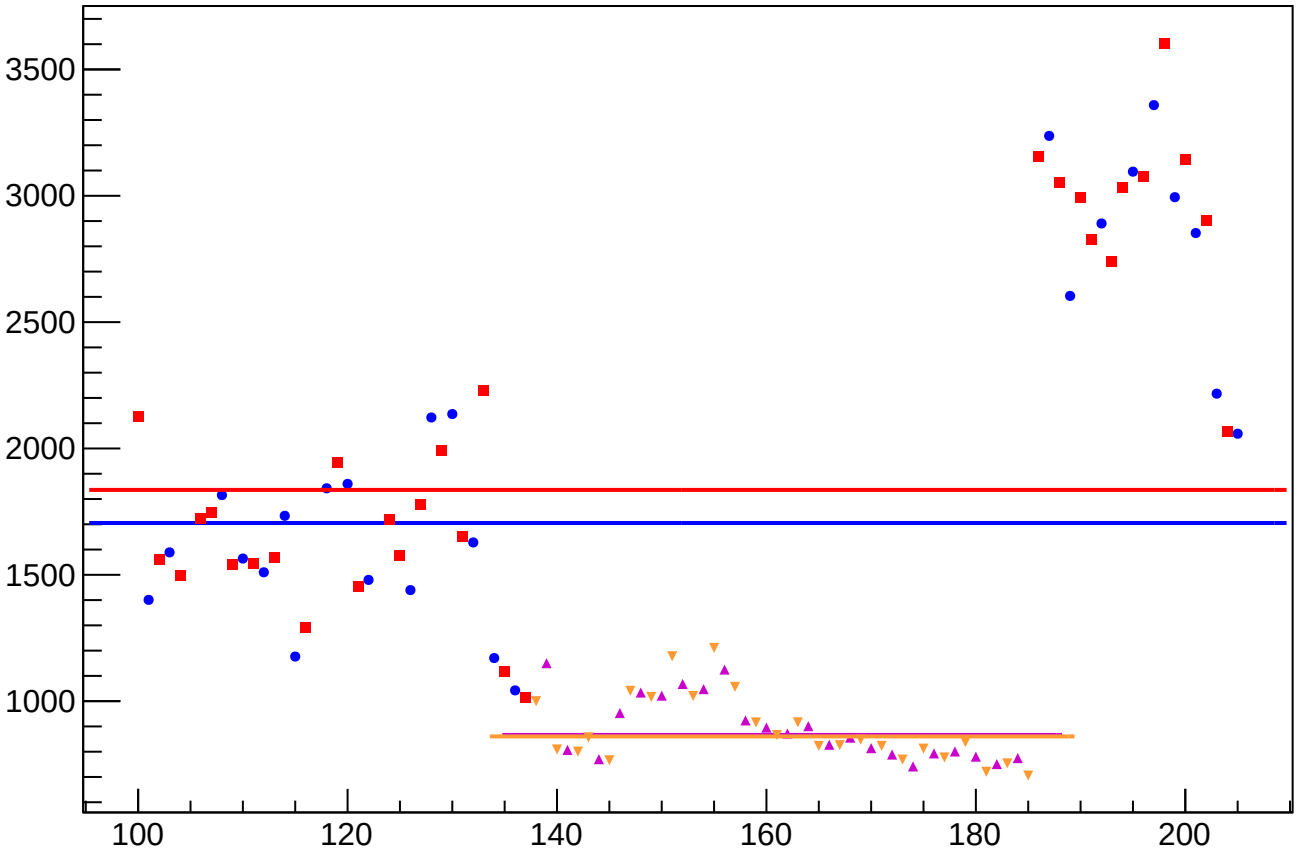
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -22.558+/-346.915 χ^2/NDF: 57.0/54

In: -114.478+/-188.361 χ^2/NDF:62.0/47

Out: -537.065+/-183.840 χ^2/NDF:92.3/54

All: -330.903+/-131.564 χ^2/NDF: 156.9/102



Right In: 1705.118+/-0.343 χ^2/NDF: 3175045.0/24

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1836.088+/-0.351 χ^2/NDF: 3398130.1/29

Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

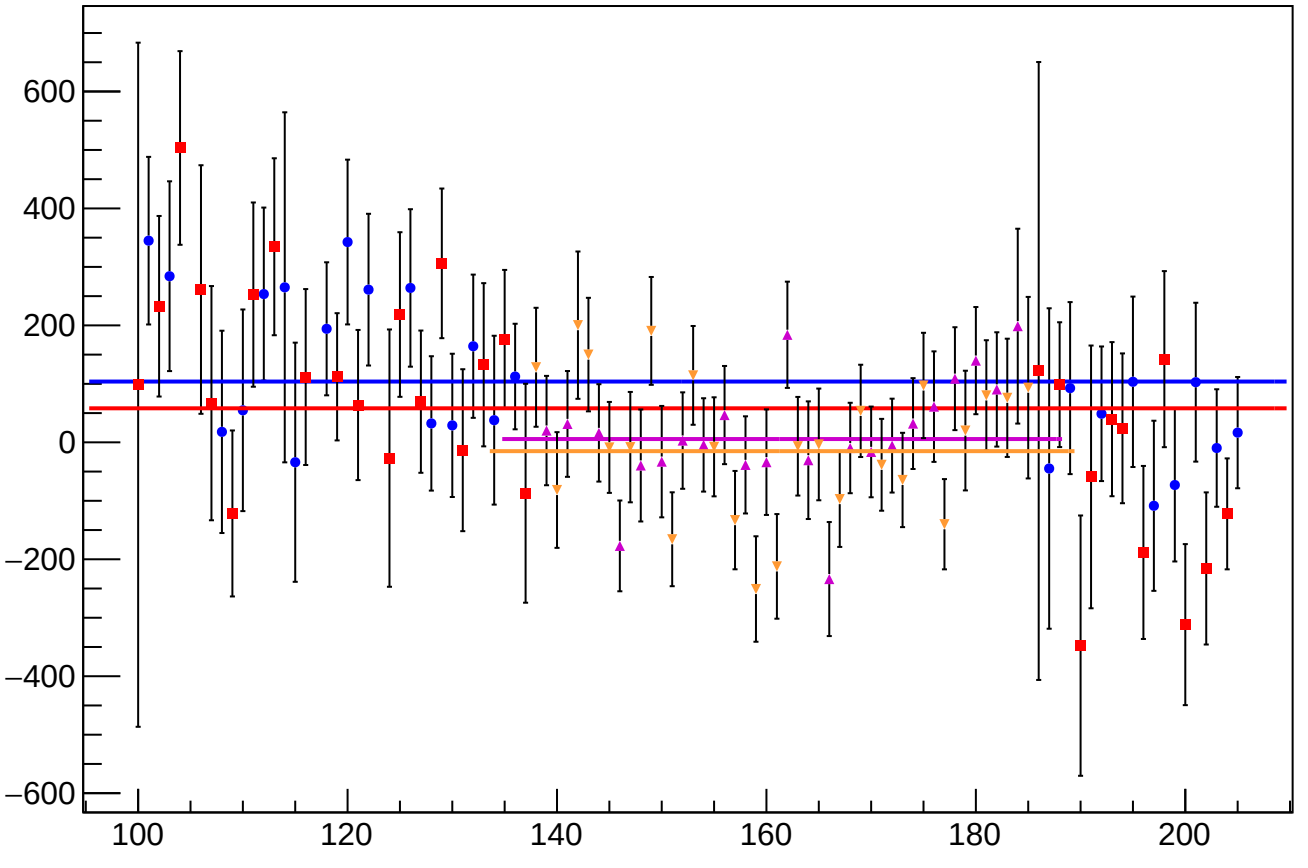
Left: 863.326+/-0.101 χ^2/NDF: 1313357.9/47

Right: 1768.966+/-0.245 χ^2/NDF: 6644393.7/54

In: 993.078+/-0.133 χ^2/NDF:8874834.0/47

Out: 994.053+/-0.130 χ^2/NDF:10752562.2/54

All: 993.578+/-0.093 χ^2/NDF: 19627423.6/10



Right In: 103.940+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 58.176+/-26.567 χ^2/NDF: 45.8/29

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

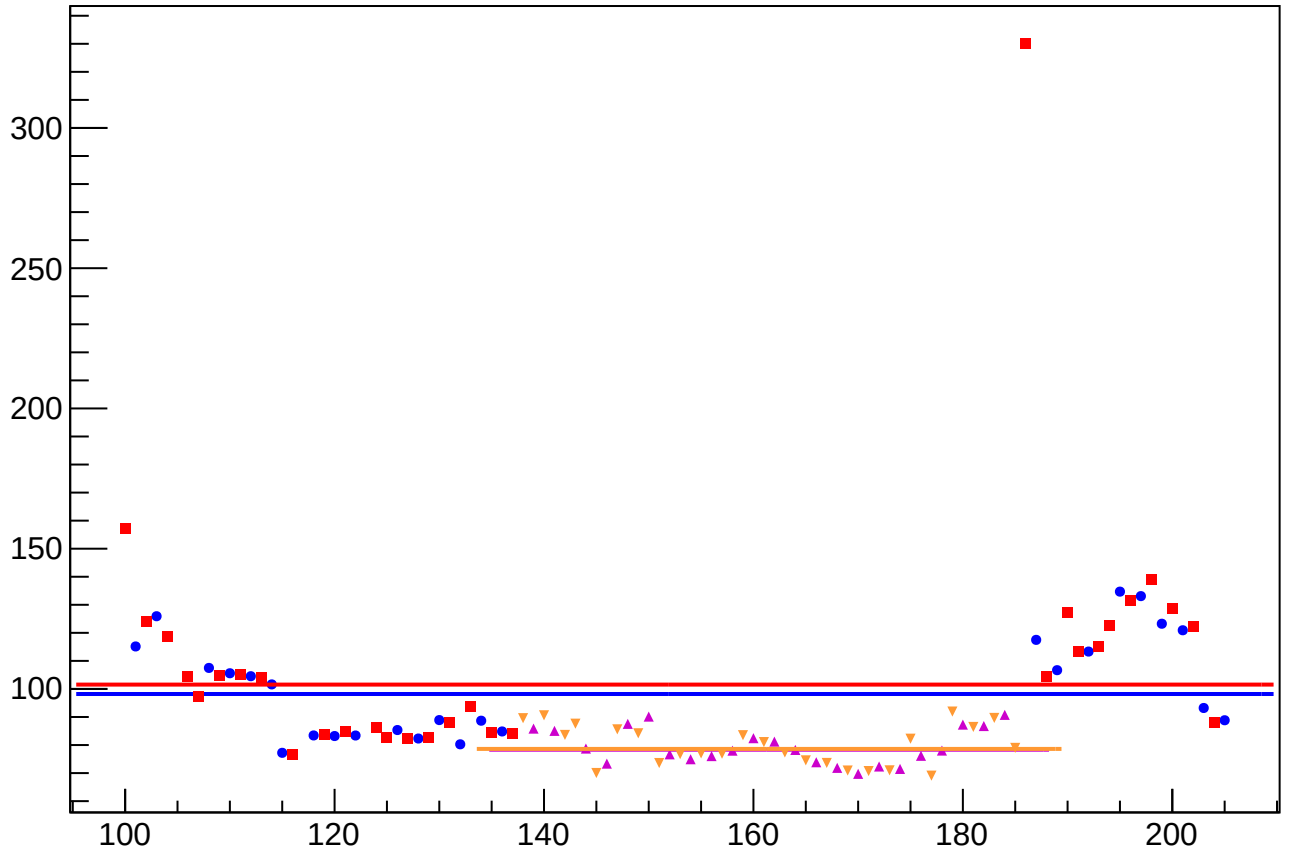
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 80.987+/-18.815 χ^2/NDF: 67.7/54

In: 37.320+/-15.131 χ^2/NDF:52.6/47

Out: 7.880+/-14.877 χ^2/NDF:92.7/54

All: 22.351+/-10.608 χ^2/NDF: 147.2/102



Right In: 98.193+/-0.019 χ^2/NDF: 811765.0/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.550+/-0.019 χ^2/NDF: 1310085.7/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

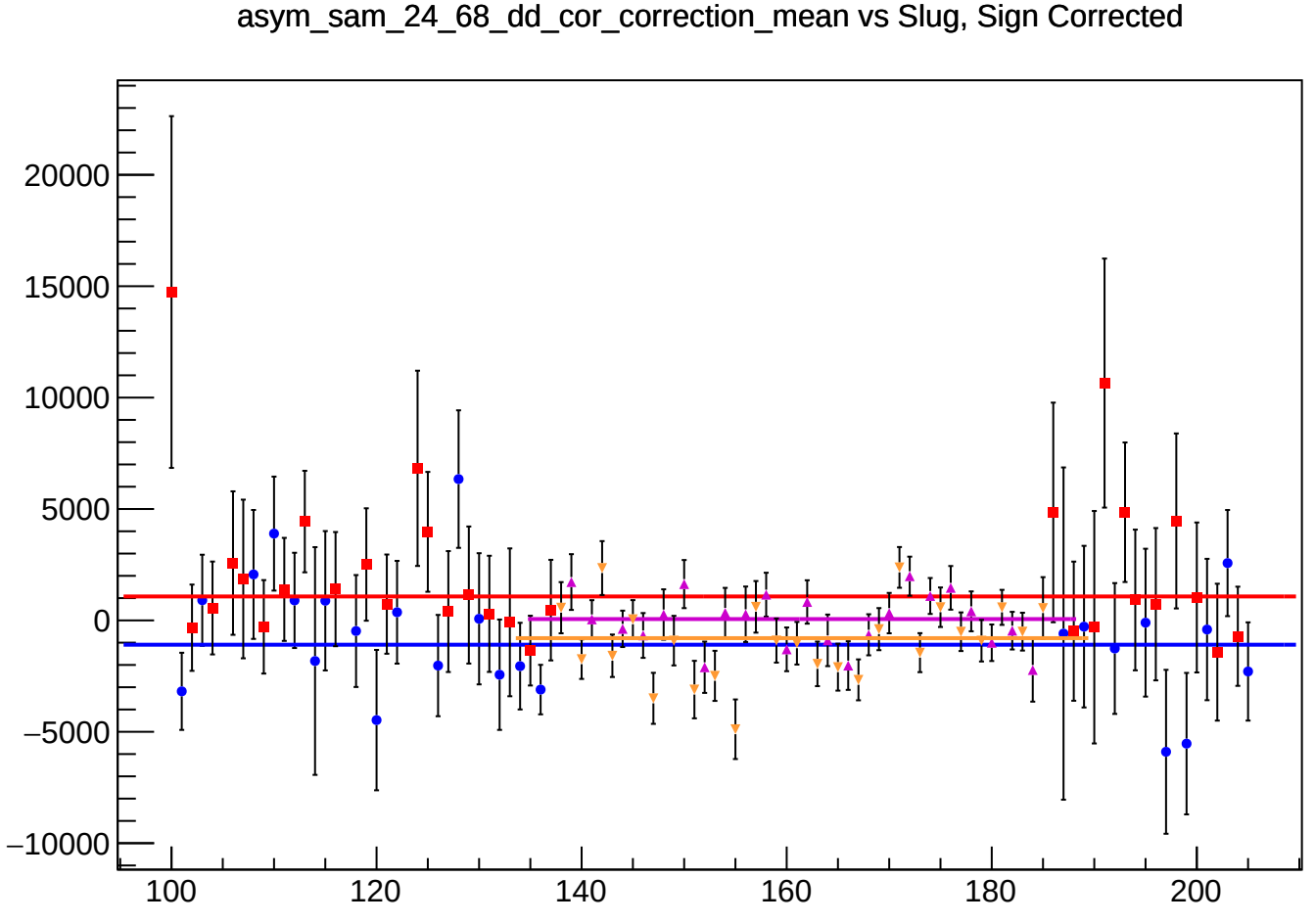
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

Right: 99.877+/-0.013 χ^2/NDF: 2137764.5/54

In: 84.736+/-0.011 χ^2/NDF:1773464.9/47

Out: 85.809+/-0.011 χ^2/NDF:2640132.4/54

All: 85.282+/-0.008 χ^2/NDF: 4418709.8/102



Right In: -1091.957+/-484.594 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: 1074.270+/-497.419 χ^2/NDF: 19.8/29

Left In: 59.494+/-204.437 χ^2/NDF:30.5/22

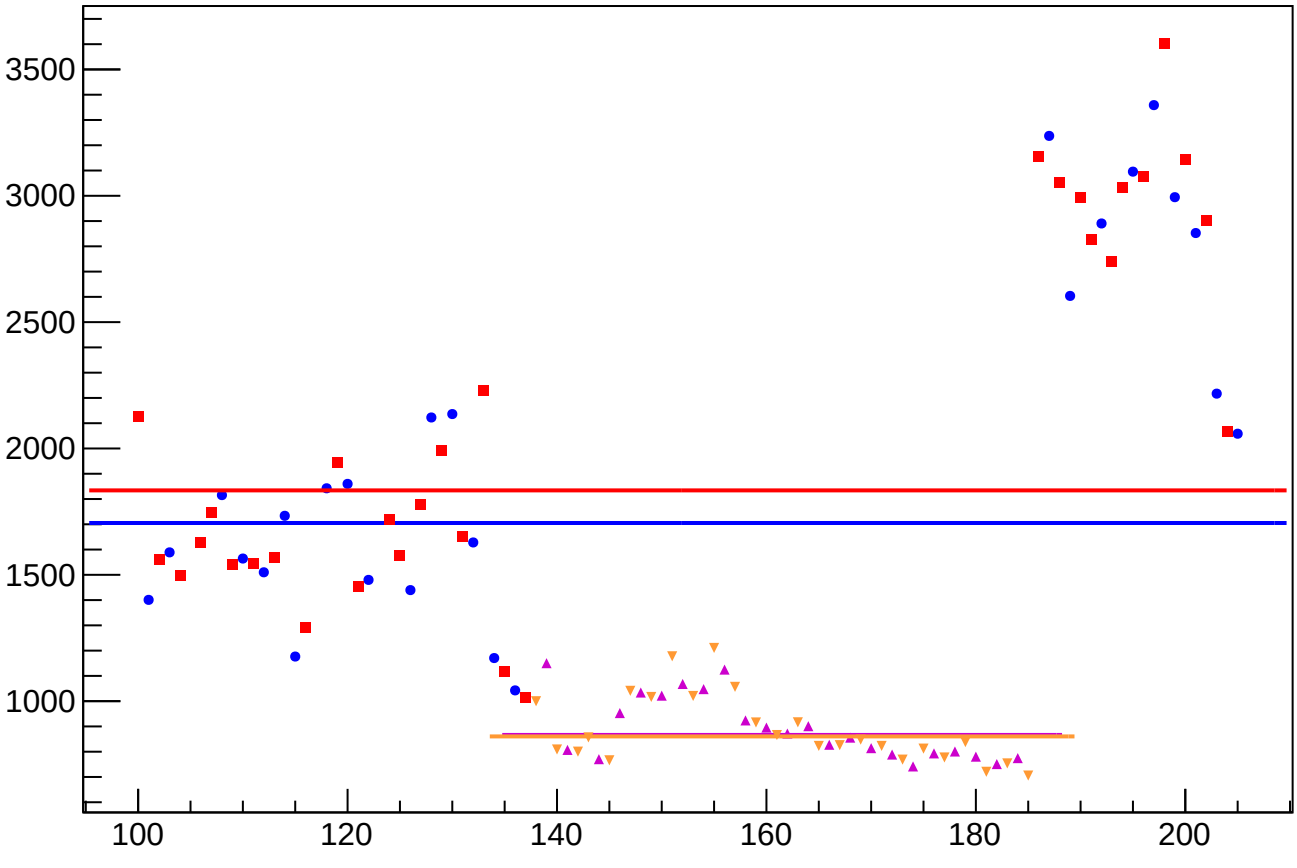
Left: -382.700+/-142.185 χ^2/NDF: 99.0/47

Right: -37.129+/-347.105 χ^2/NDF: 56.3/54

In: -114.475+/-188.361 χ^2/NDF:62.0/47

Out: -541.314+/-183.868 χ^2/NDF:91.5/54

All: -333.045+/-131.574 χ^2/NDF: 156.2/102



Right In: 1705.122+/-0.343 χ^2/NDF: 3175038.6/24

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1834.151+/-0.352 χ^2/NDF: 3403476.6/29

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

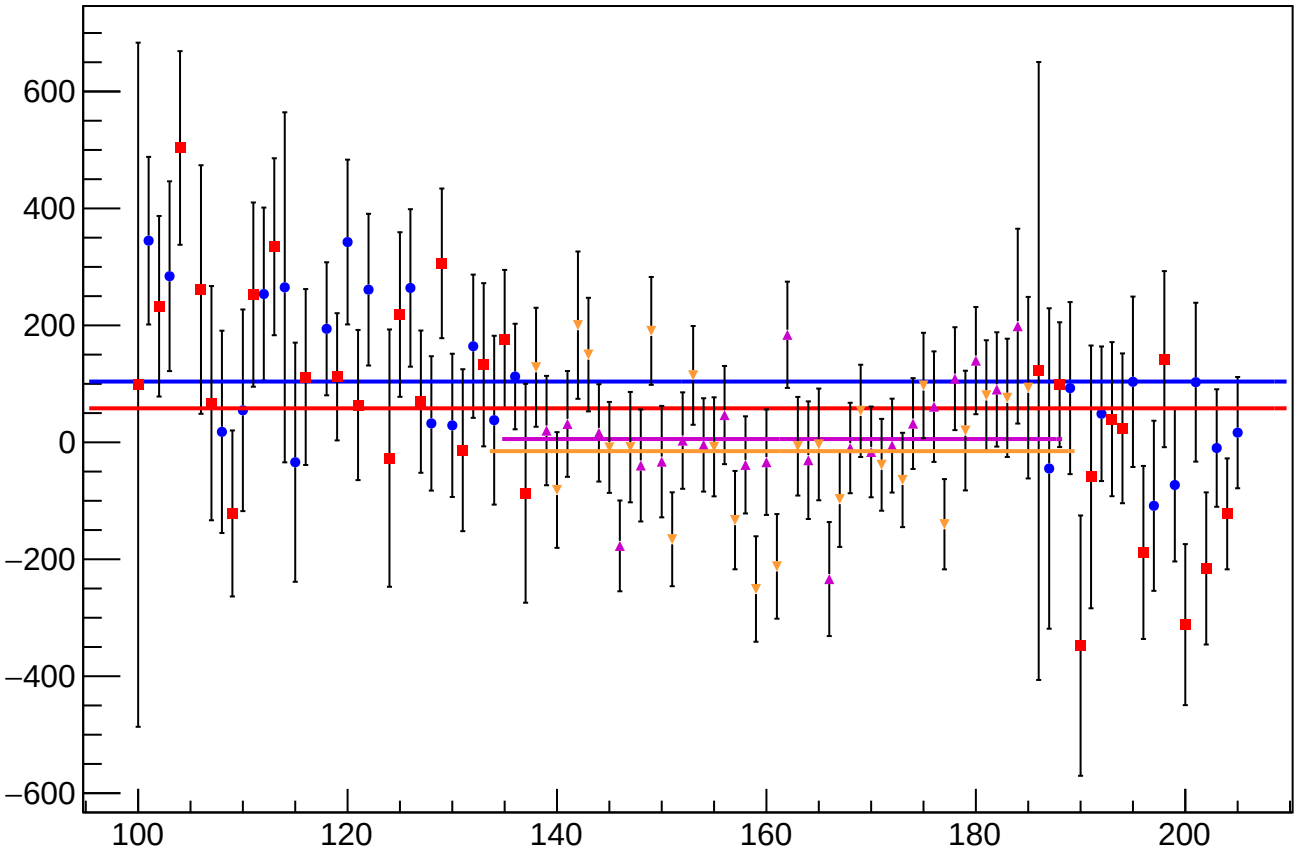
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1767.952+/-0.245 χ^2/NDF: 6647558.5/54

In: 993.079+/-0.133 χ^2/NDF:8874849.8/47

Out: 993.530+/-0.130 χ^2/NDF:10718672.0/54

All: 993.310+/-0.093 χ^2/NDF: 19593527.7/10



Right In: 103.940+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: 58.176+/-26.567 χ^2/NDF: 45.8/29

Left In: 5.626+/-18.382 χ^2/NDF:23.0/22

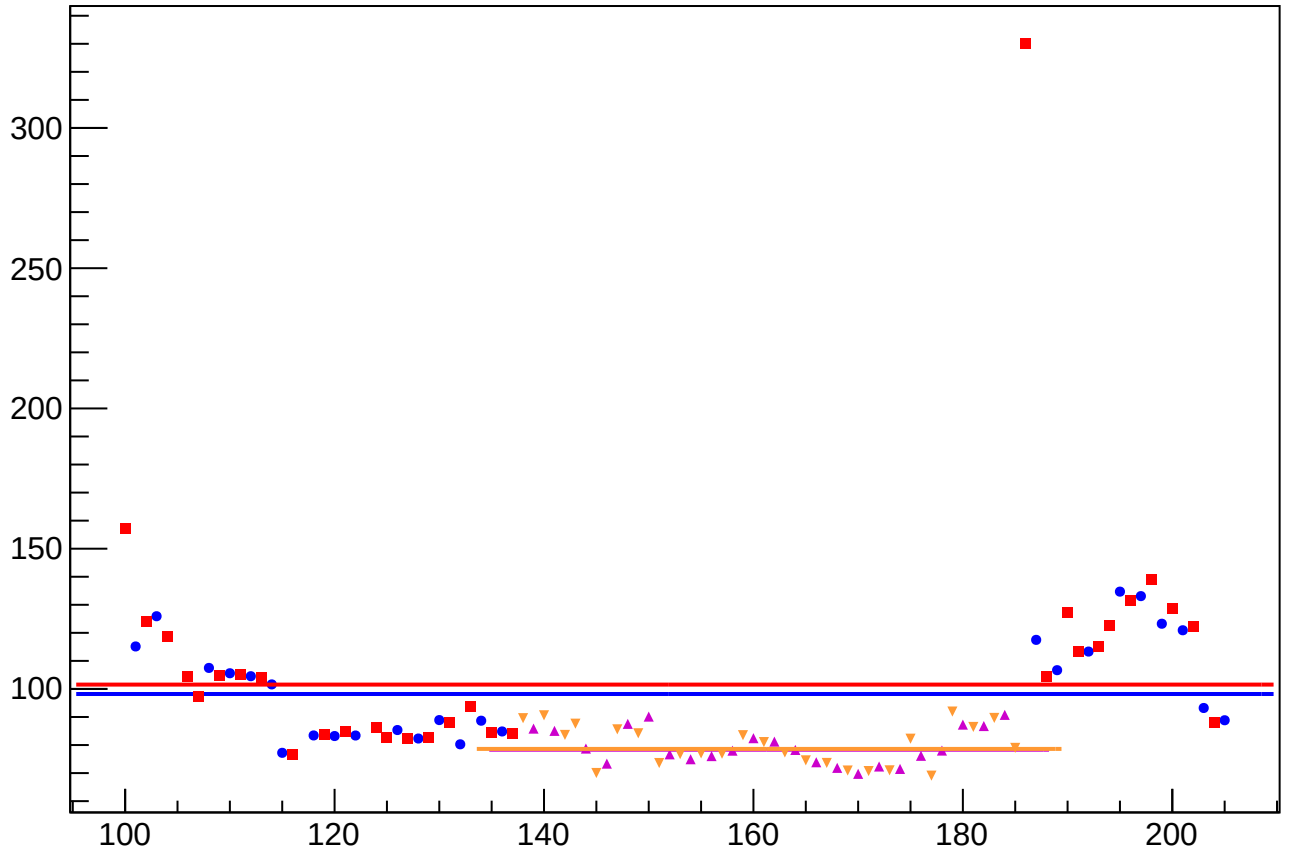
Left: -4.978+/-12.845 χ^2/NDF: 65.3/47

Right: 80.987+/-18.815 χ^2/NDF: 67.7/54

In: 37.320+/-15.131 χ^2/NDF:52.6/47

Out: 7.880+/-14.877 χ^2/NDF:92.7/54

All: 22.351+/-10.608 χ^2/NDF: 147.2/102



Right In: 98.193+/-0.019 χ^2/NDF: 811765.0/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 101.550+/-0.019 χ^2/NDF: 1310085.7/29

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

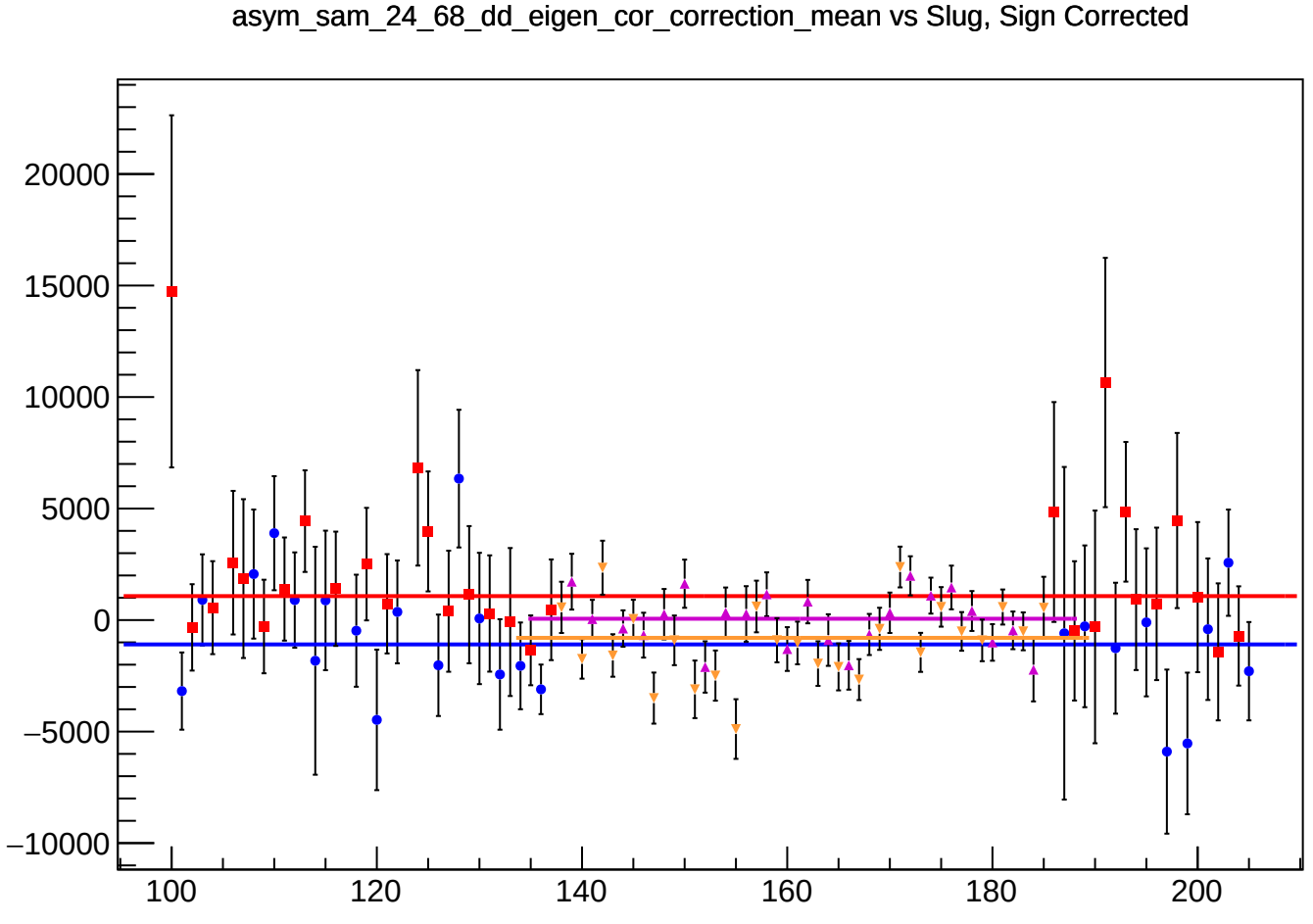
Left: 78.480+/-0.009 χ^2/NDF: 516625.8/47

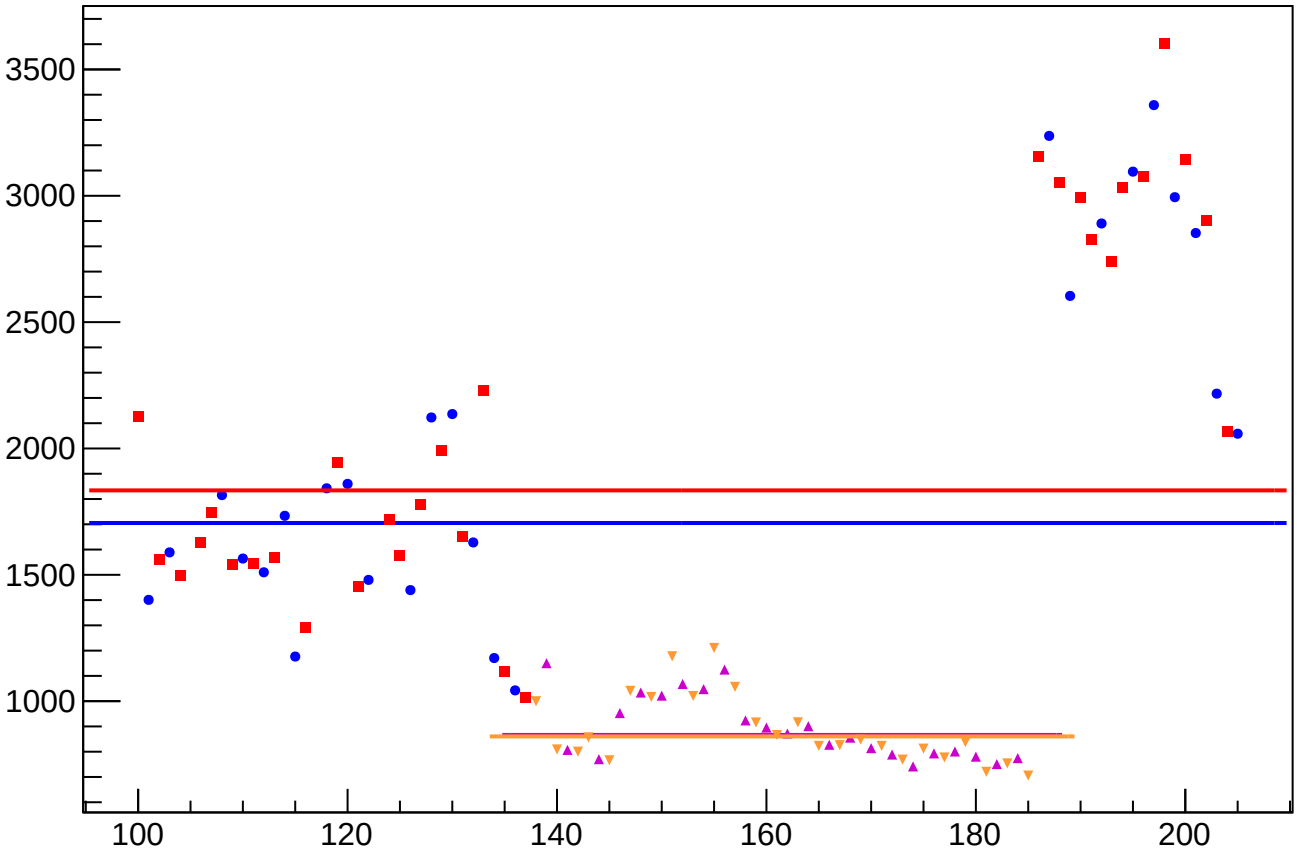
Right: 99.877+/-0.013 χ^2/NDF: 2137764.5/54

In: 84.736+/-0.011 χ^2/NDF:1773464.9/47

Out: 85.809+/-0.011 χ^2/NDF:2640132.4/54

All: 85.282+/-0.008 χ^2/NDF: 4418709.8/102


asym_sam_24_68_dd_eigen_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -1091.957+/-484.594 χ²/NDF: 26.8/24
Left Out: -797.000+/-197.884 χ²/NDF:59.5/24
Right Out: 1074.270+/-497.419 χ²/NDF: 19.8/29
Left In: 59.494+/-204.437 χ²/NDF:30.5/22
Left: -382.700+/-142.185 χ²/NDF: 99.0/47
Right: -37.129+/-347.105 χ²/NDF: 56.3/54
In: -114.475+/-188.361 χ²/NDF:62.0/47
Out: -541.314+/-183.868 χ²/NDF:91.5/54
All: -333.045+/-131.574 χ²/NDF: 156.2/102



Right In: 1705.122+/-0.343 χ^2/NDF: 3175038.6/24

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1834.151+/-0.352 χ^2/NDF: 3403476.6/29

Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

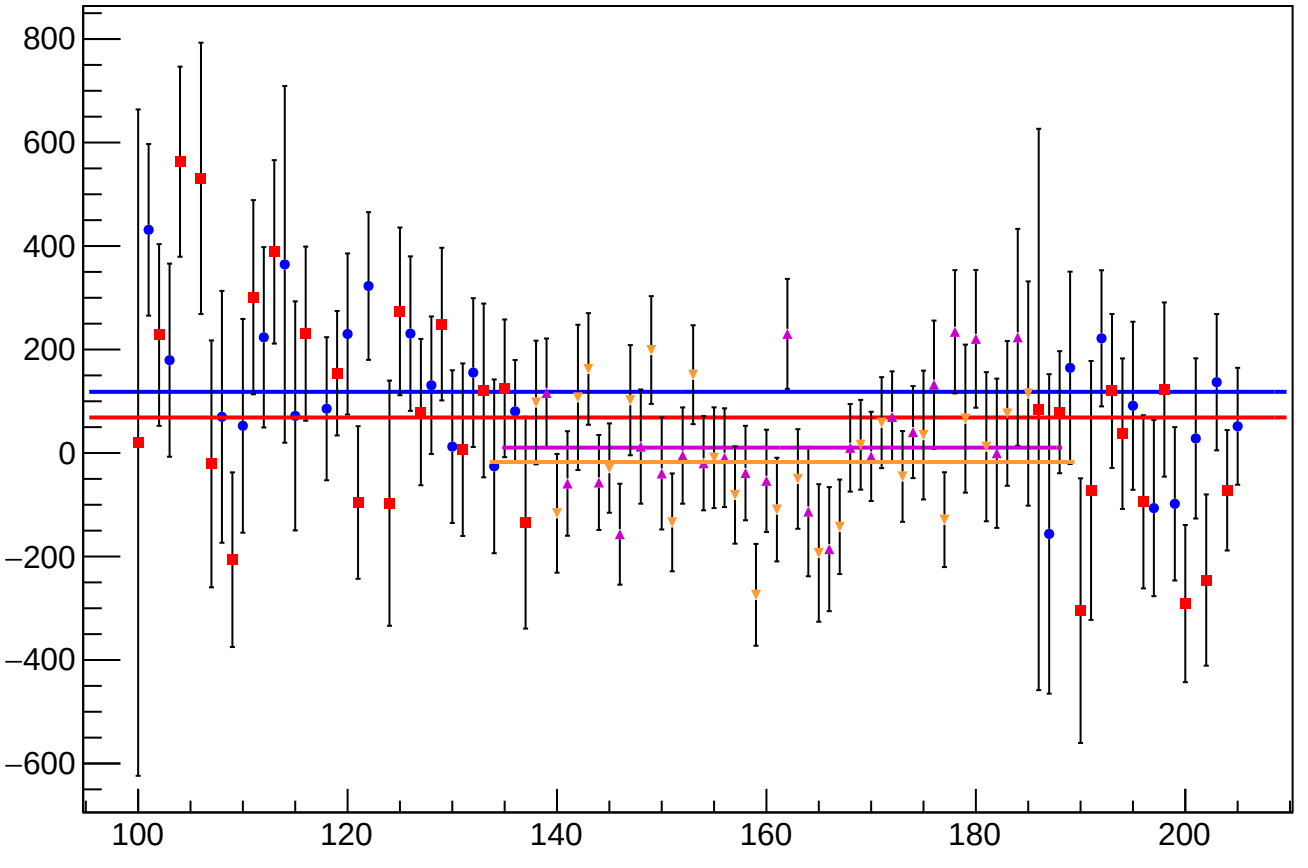
Left: 863.327+/-0.101 χ^2/NDF: 1313355.3/47

Right: 1767.952+/-0.245 χ^2/NDF: 6647558.5/54

In: 993.079+/-0.133 χ^2/NDF:8874849.8/47

Out: 993.530+/-0.130 χ^2/NDF:10718672.0/54

All: 993.310+/-0.093 χ^2/NDF: 19593527.7/10


dit_asym_sam_24_68_dd_mean vs Slug, Sign Corrected
800
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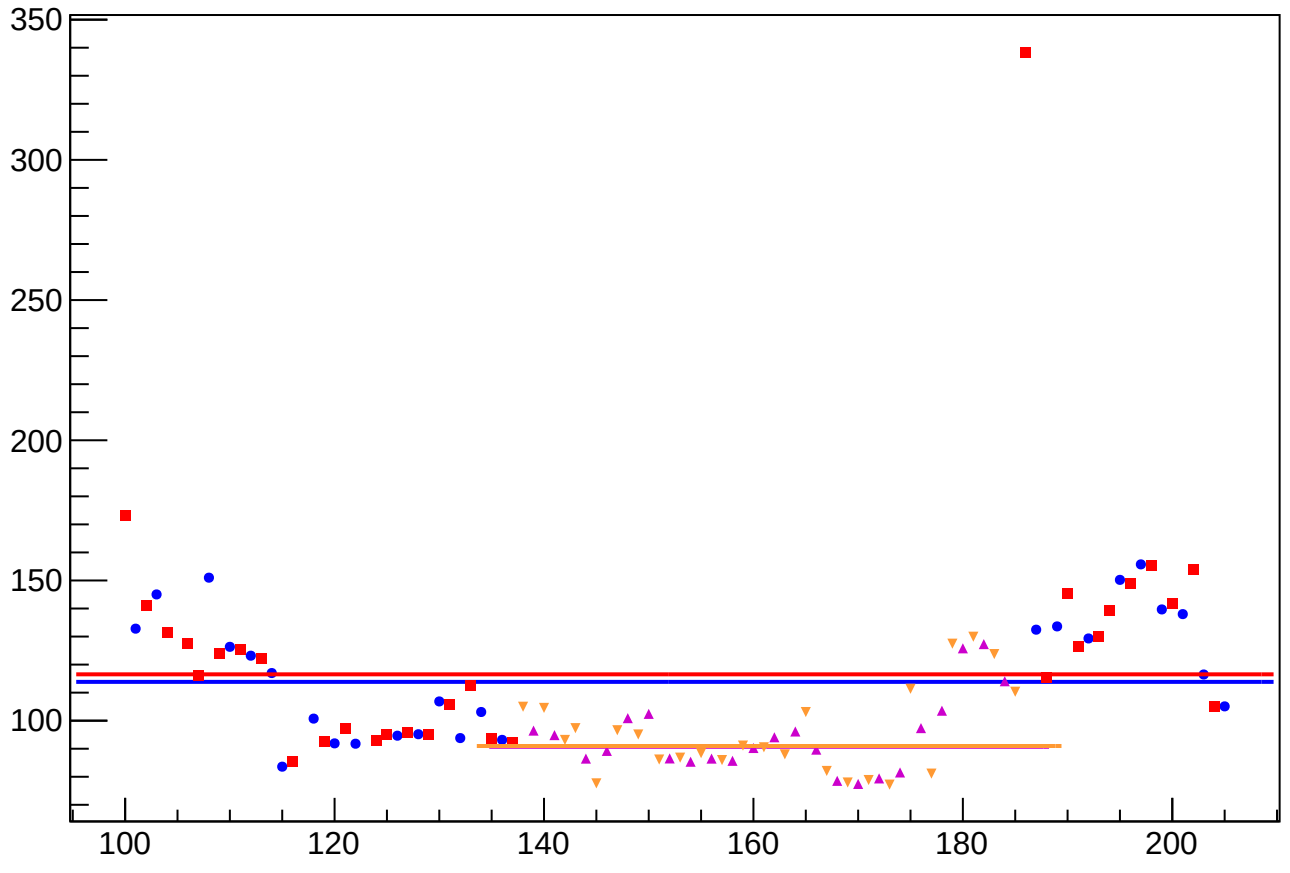
0
−200
−400
−600
100
120
140
160
180
200
Right In: 118.262+/-31.075 χ²/NDF: 15.5/24
Left Out: -17.356+/-20.987 χ²/NDF:31.2/24
Right Out: 68.667+/-30.572 χ²/NDF: 40.8/29
Left In: 10.412+/-21.503 χ²/NDF:22.6/22
Left: -3.810+/-15.019 χ²/NDF: 54.7/47
Right: 93.060+/-21.793 χ²/NDF: 57.6/54
In: 45.333+/-17.683 χ²/NDF:46.3/47
Out: 10.197+/-17.302 χ²/NDF:77.4/54
All: 27.383+/-12.367 χ²/NDF: 125.6/102



Right In: 113.840+/-0.022 χ^2/NDF: 897034.8/24

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 116.529+/-0.022 χ^2/NDF: 1286524.9/29

Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

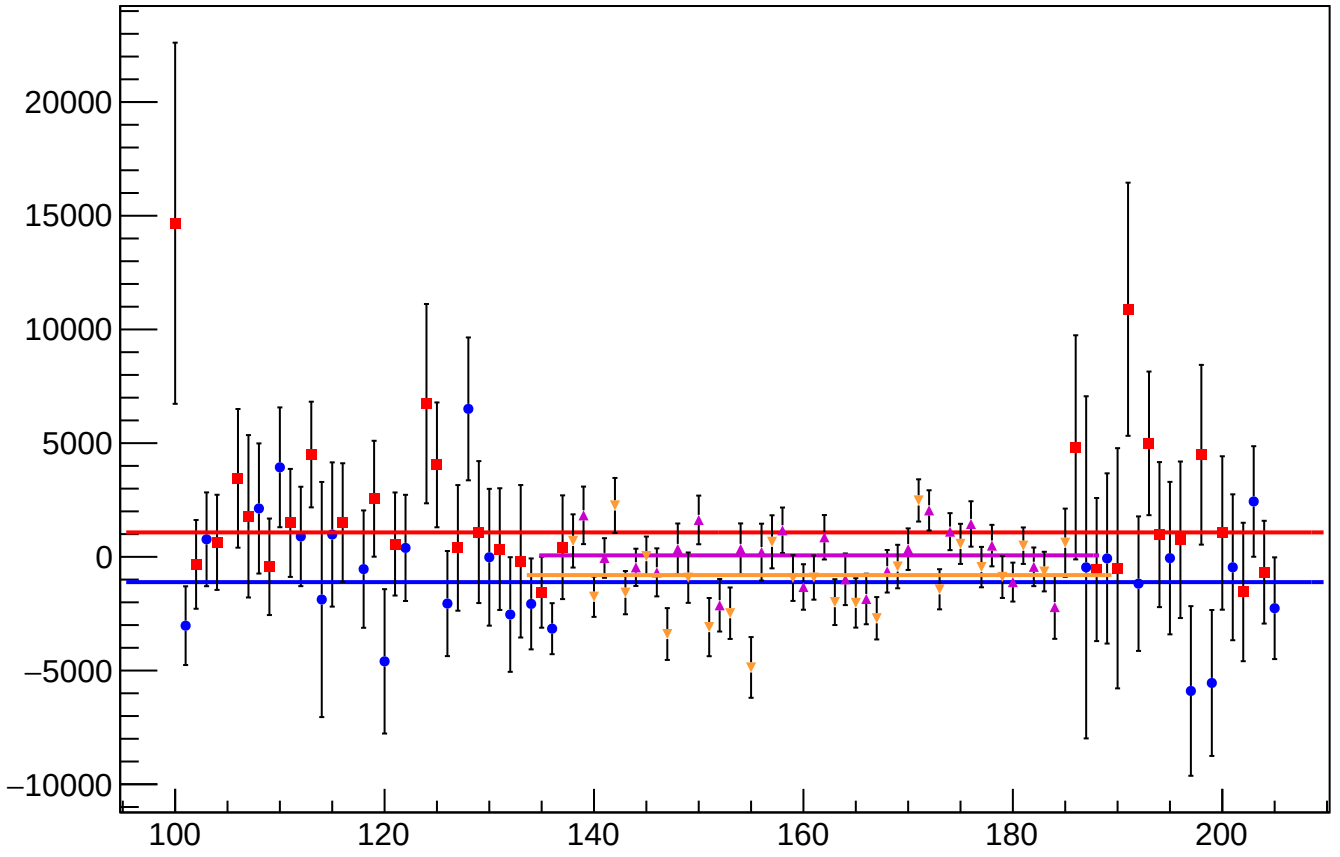
Left: 90.832+/-0.011 χ^2/NDF: 1330663.0/47

Right: 115.206+/-0.015 χ^2/NDF: 2191166.7/54

In: 98.186+/-0.013 χ^2/NDF:2193577.7/47

Out: 99.154+/-0.012 χ^2/NDF:3021401.1/54

All: 98.681+/-0.009 χ^2/NDF: 5218043.9/102



Right In: -1111.538+/-491.277 χ^2/NDF: 26.2/24

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: 1074.805+/-501.728 χ^2/NDF: 21.0/29

Left In: 65.218+/-206.677 χ^2/NDF:30.7/22

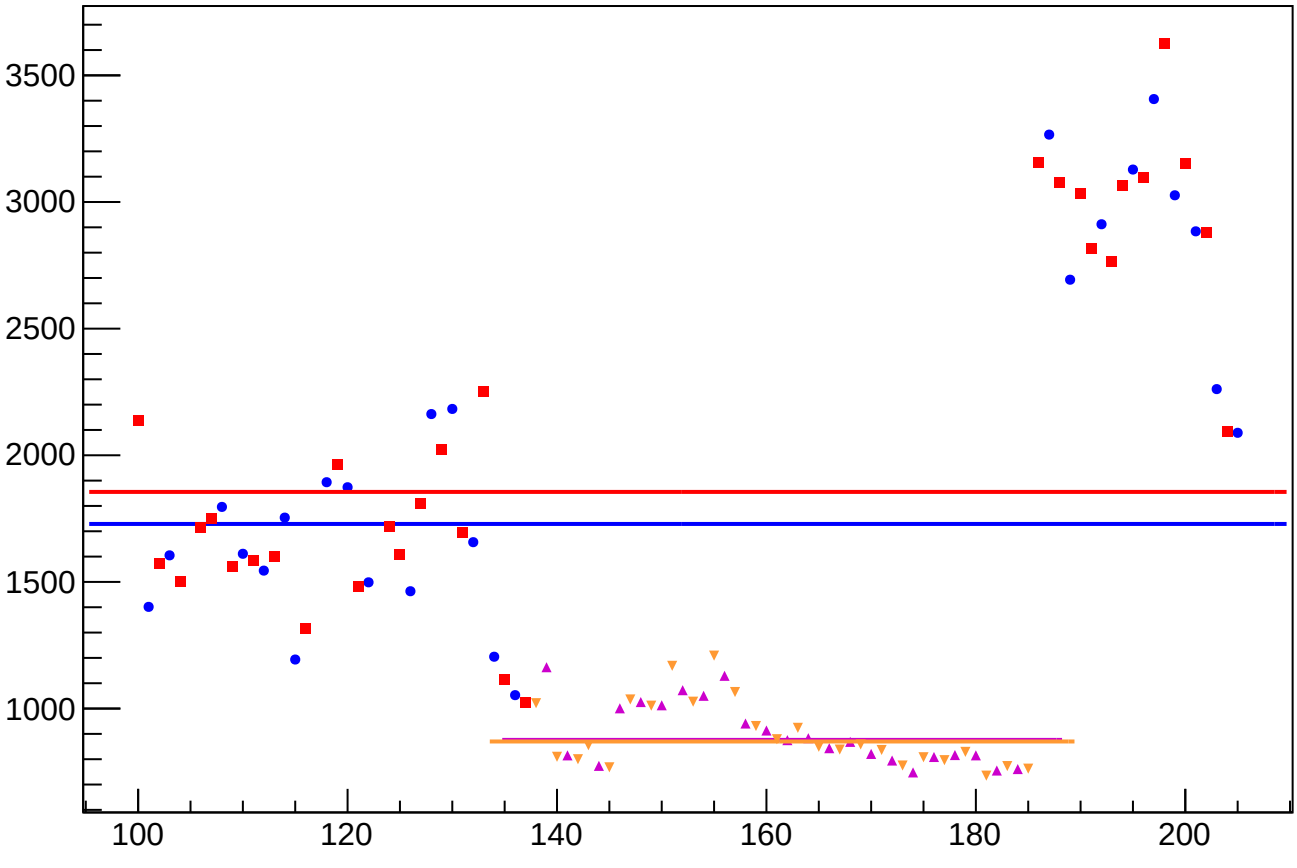
Left: -383.224+/-143.669 χ^2/NDF: 98.1/47

Right: -41.375+/-351.022 χ^2/NDF: 56.9/54

In: -111.731+/-190.505 χ^2/NDF:61.8/47

Out: -545.456+/-185.664 χ^2/NDF:91.4/54

All: -334.175+/-132.963 χ^2/NDF: 155.8/102



Right In: 1728.890+/-0.347 χ^2/NDF: 3185992.7/24

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1855.382+/-0.355 χ^2/NDF: 3372222.3/29

Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

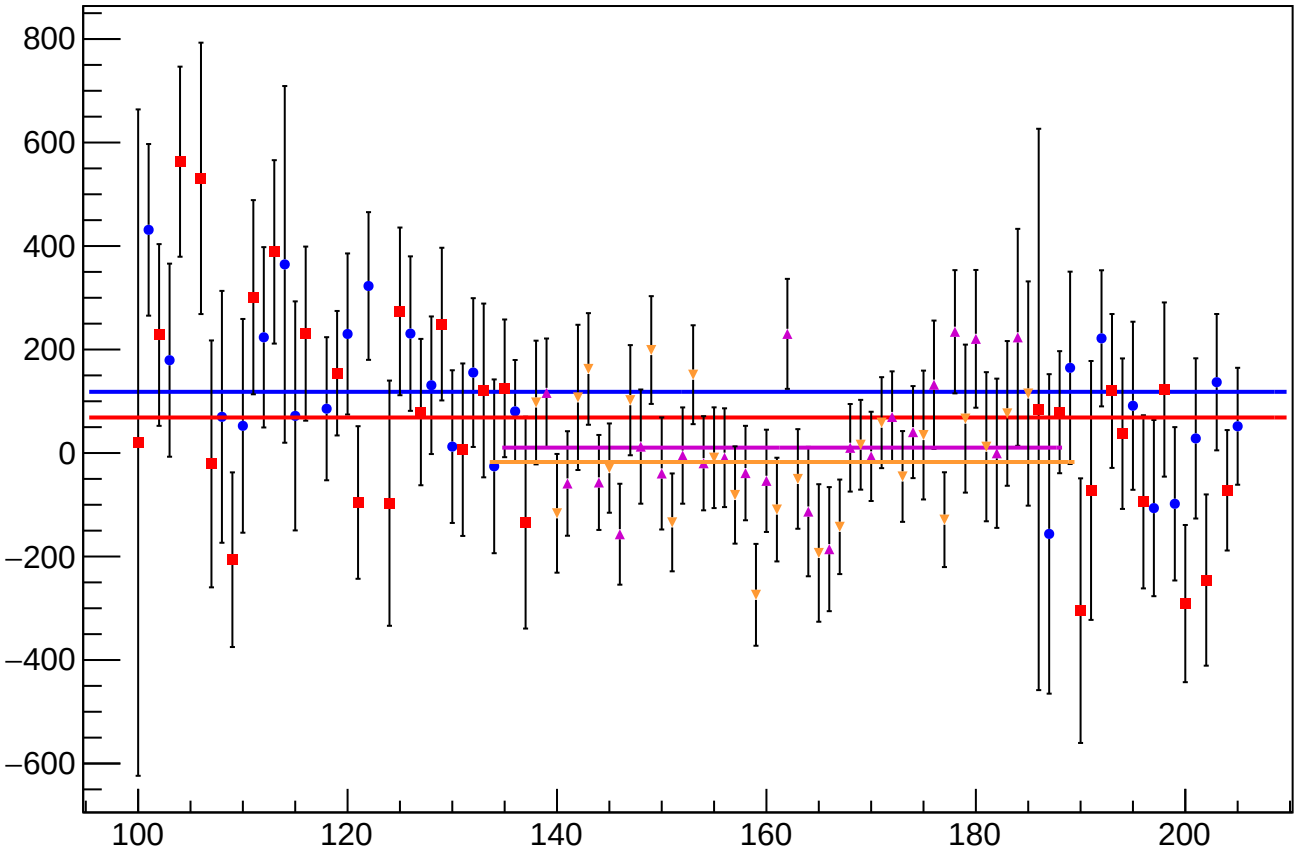
Left: 873.036+/-0.102 χ^2/NDF: 1245424.4/47

Right: 1790.805+/-0.248 χ^2/NDF: 6623114.1/54

In: 1004.481+/-0.135 χ^2/NDF:8901363.1/47

Out: 1004.942+/-0.131 χ^2/NDF:10677405.4/54

All: 1004.718+/-0.094 χ^2/NDF: 19578774.4/1



Right In: 118.264+/-31.075 χ^2/NDF: 15.5/24

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: 68.667+/-30.572 χ^2/NDF: 40.8/29

Left In: 10.412+/-21.503 χ^2/NDF:22.6/22

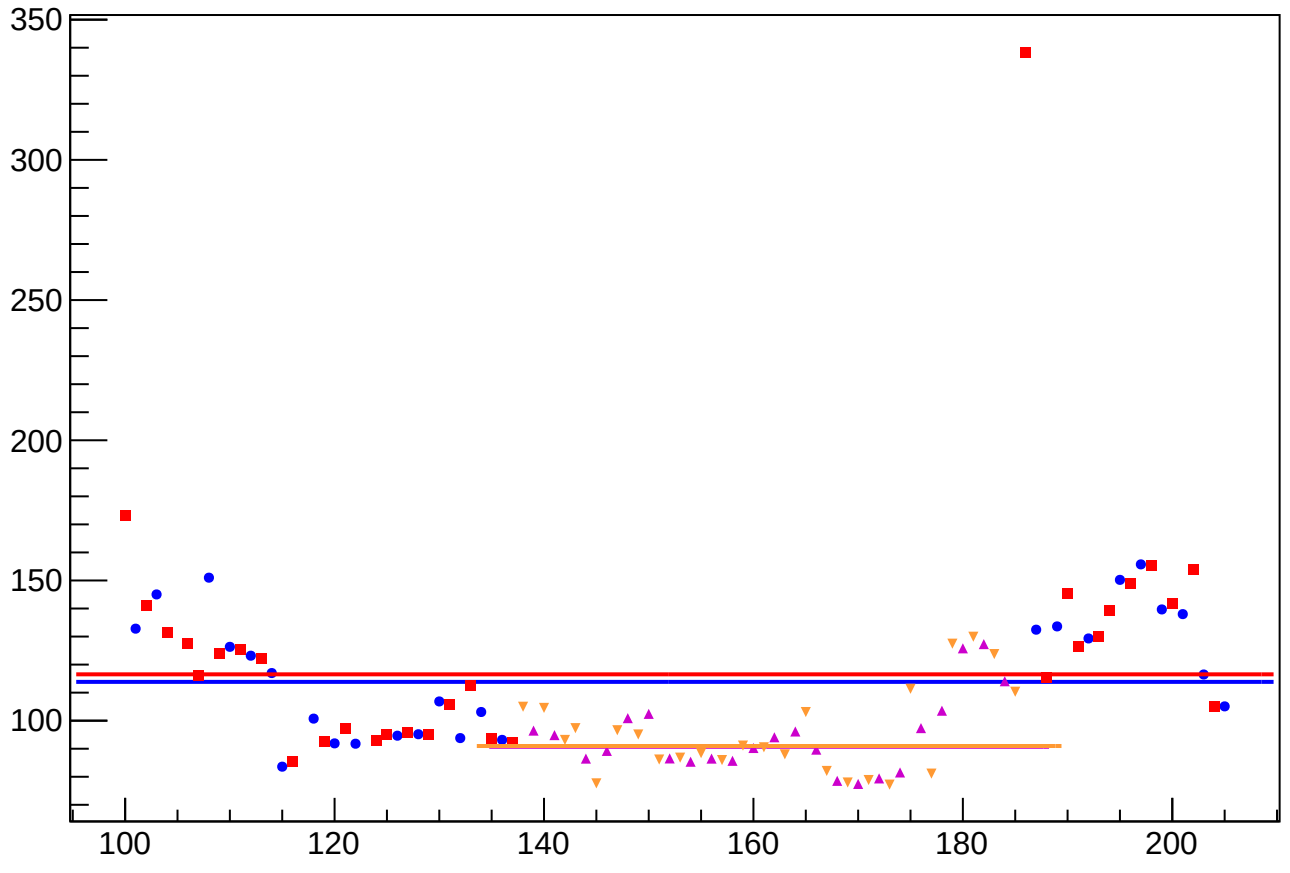
Left: -3.810+/-15.019 χ^2/NDF: 54.7/47

Right: 93.061+/-21.793 χ^2/NDF: 57.6/54

In: 45.334+/-17.683 χ^2/NDF:46.3/47

Out: 10.197+/-17.302 χ^2/NDF:77.4/54

All: 27.384+/-12.367 χ^2/NDF: 125.6/102



Right In: 113.839+/-0.022 χ^2/NDF: 897056.7/24

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

Right Out: 116.528+/-0.022 χ^2/NDF: 1286549.2/29

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

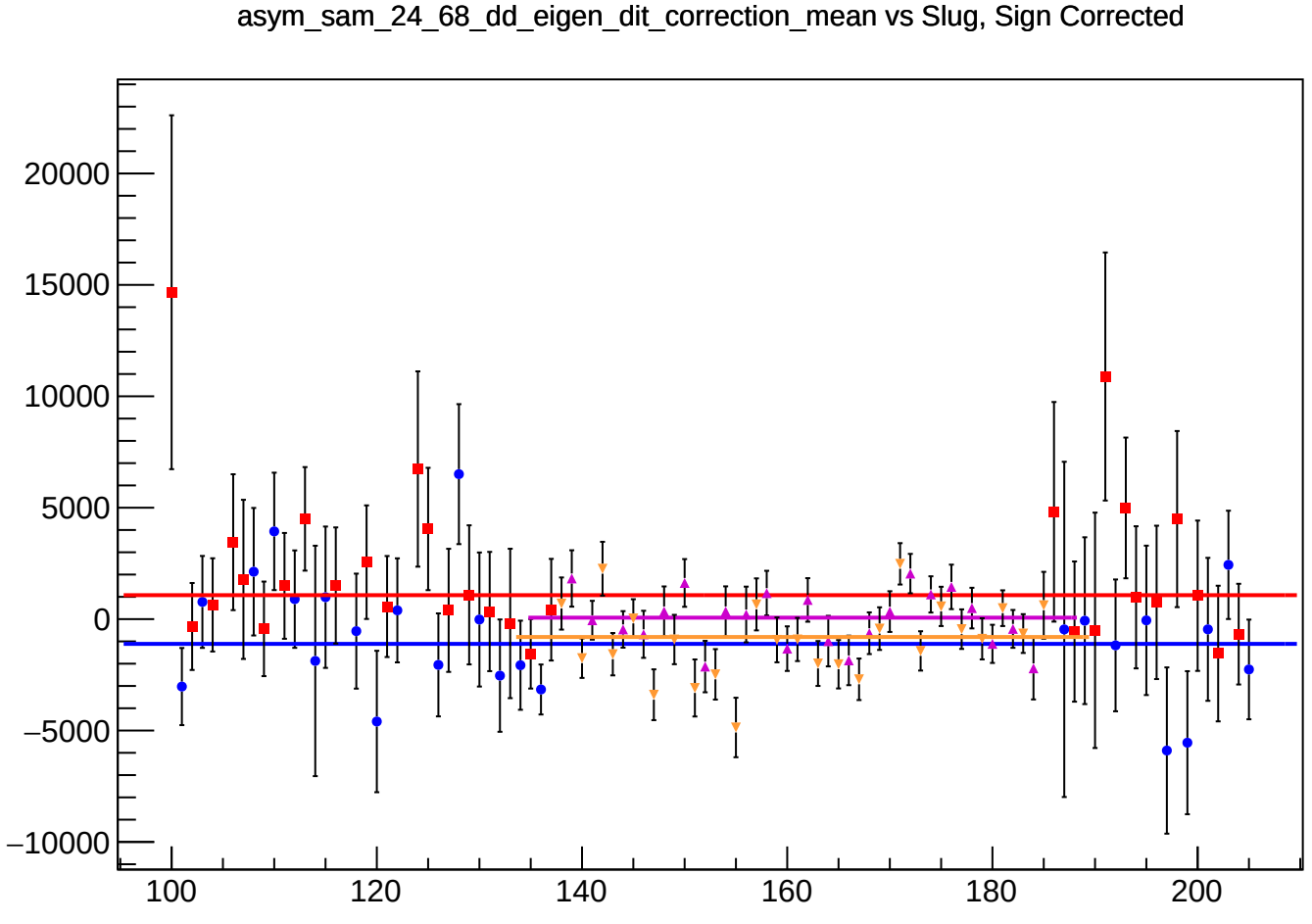
Left: 90.832+/-0.011 χ^2/NDF: 1330660.5/47

Right: 115.206+/-0.015 χ^2/NDF: 2191214.4/54

In: 98.186+/-0.013 χ^2/NDF:2193547.3/47

Out: 99.154+/-0.012 χ^2/NDF:3021388.5/54

All: 98.680+/-0.009 χ^2/NDF: 5218002.0/102


asym_sam_24_68_dd_eigen_dit_correction_mean vs Slug, Sign Corrected
20000
15000
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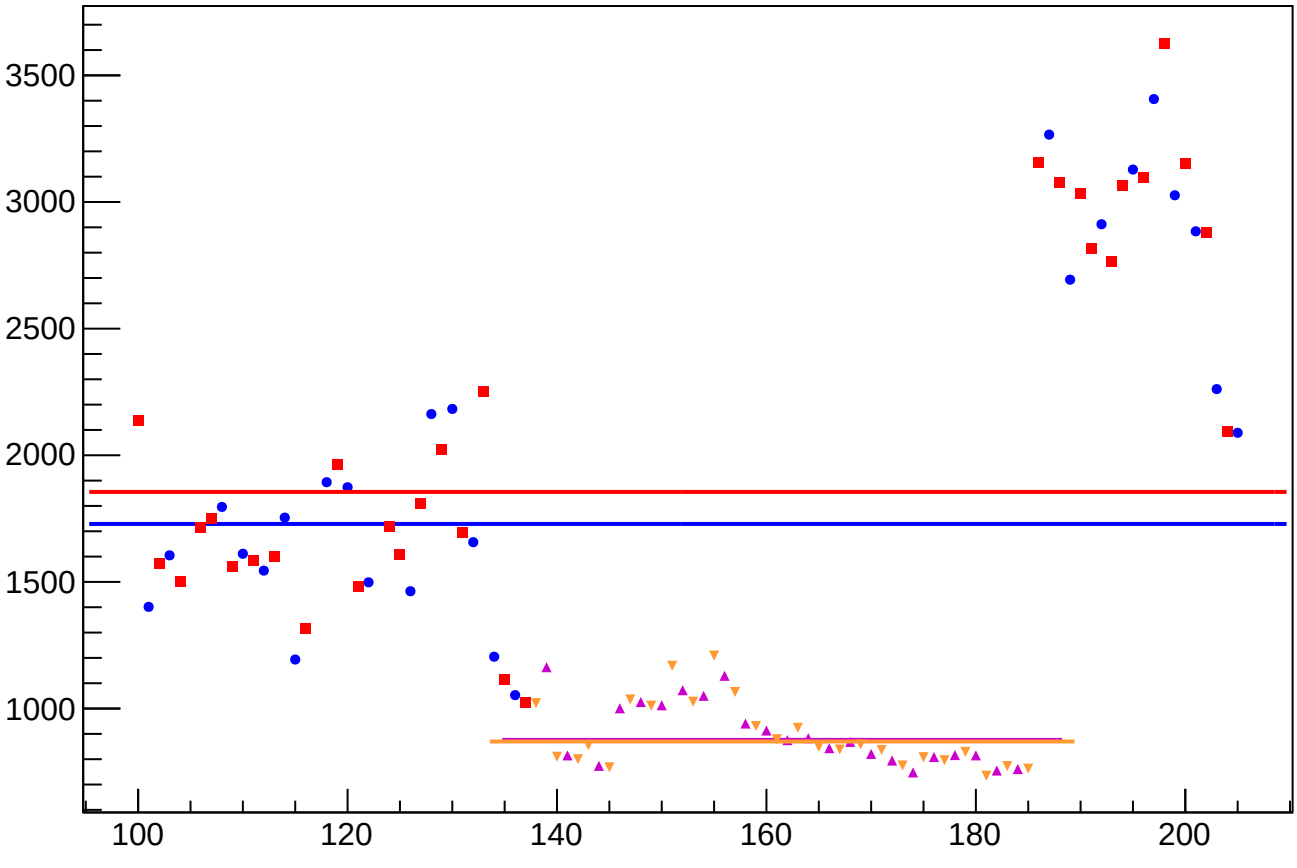
−5000
−10000
100
120
140
160
180
200
Right In: -1111.534+/-491.276 χ²/NDF: 26.2/24
Left Out: -802.531+/-199.851 χ²/NDF:58.3/24
Right Out: 1074.805+/-501.727 χ²/NDF: 21.0/29
Left In: 65.218+/-206.677 χ²/NDF:30.7/22
Left: -383.224+/-143.669 χ²/NDF: 98.1/47
Right: -41.373+/-351.021 χ²/NDF: 56.9/54
In: -111.731+/-190.505 χ²/NDF:61.8/47
Out: -545.456+/-185.664 χ²/NDF:91.4/54
All: -334.175+/-132.963 χ²/NDF: 155.8/102



Right In: 1728.887+/-0.347 χ^2/NDF: 3185997.3/24

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1855.379+/-0.355 χ^2/NDF: 3372232.2/29

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

Left: 873.035+/-0.102 χ^2/NDF: 1245426.3/47

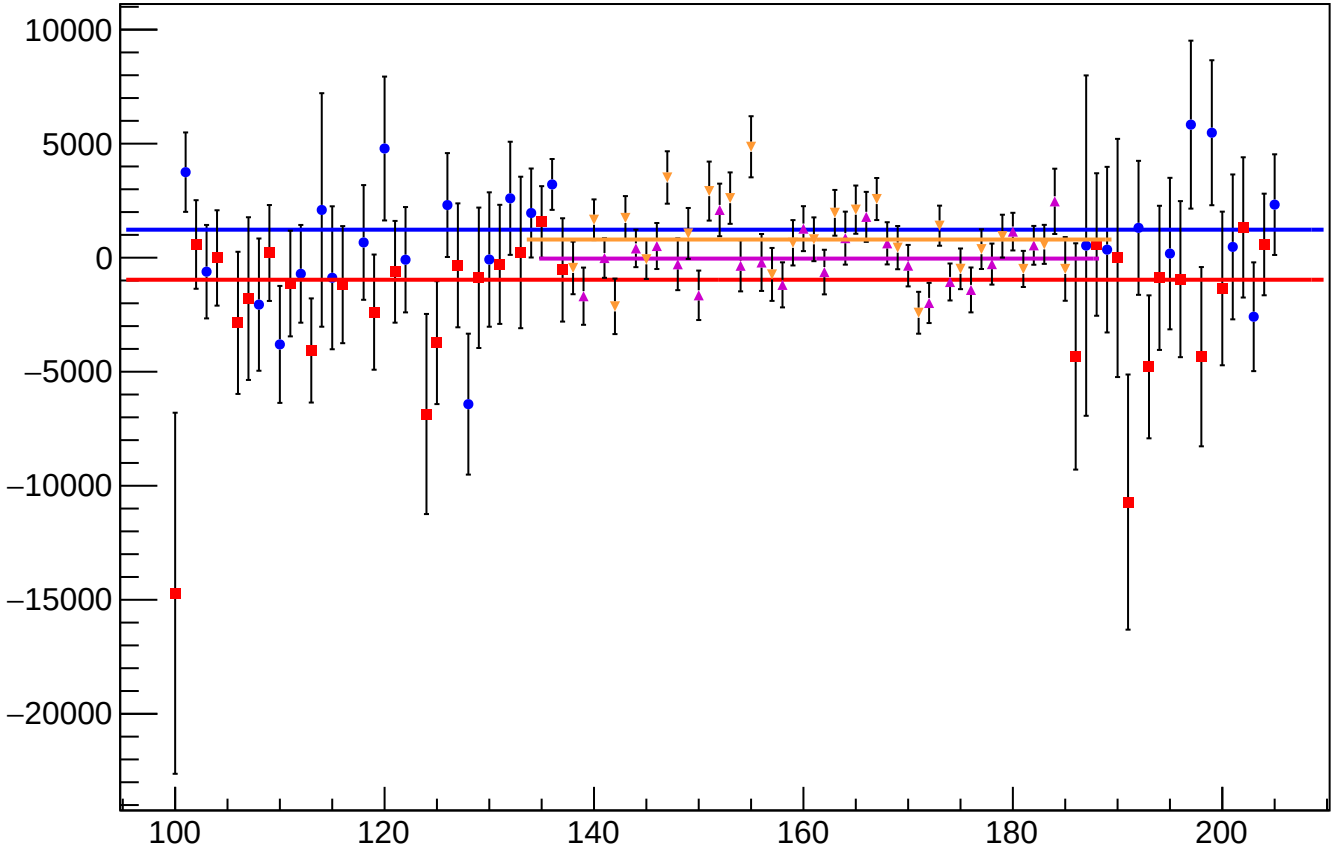
Right: 1790.802+/-0.248 χ^2/NDF: 6623128.3/54

In: 1004.480+/-0.135 χ^2/NDF:8901358.8/47

Out: 1004.941+/-0.131 χ^2/NDF:10677402.3/54

All: 1004.717+/-0.094 χ^2/NDF: 19578767.1/

asym_sam_24_68_dd_mean vs Slug, Sign Corrected



Right In: 1227.661+/-485.732 χ^2/NDF: 27.5/24

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: -967.012+/-497.963 χ^2/NDF: 19.6/29

Left In: -39.746+/-205.349 χ^2/NDF:29.7/22

Left: 391.811+/-142.833 χ^2/NDF: 95.5/47

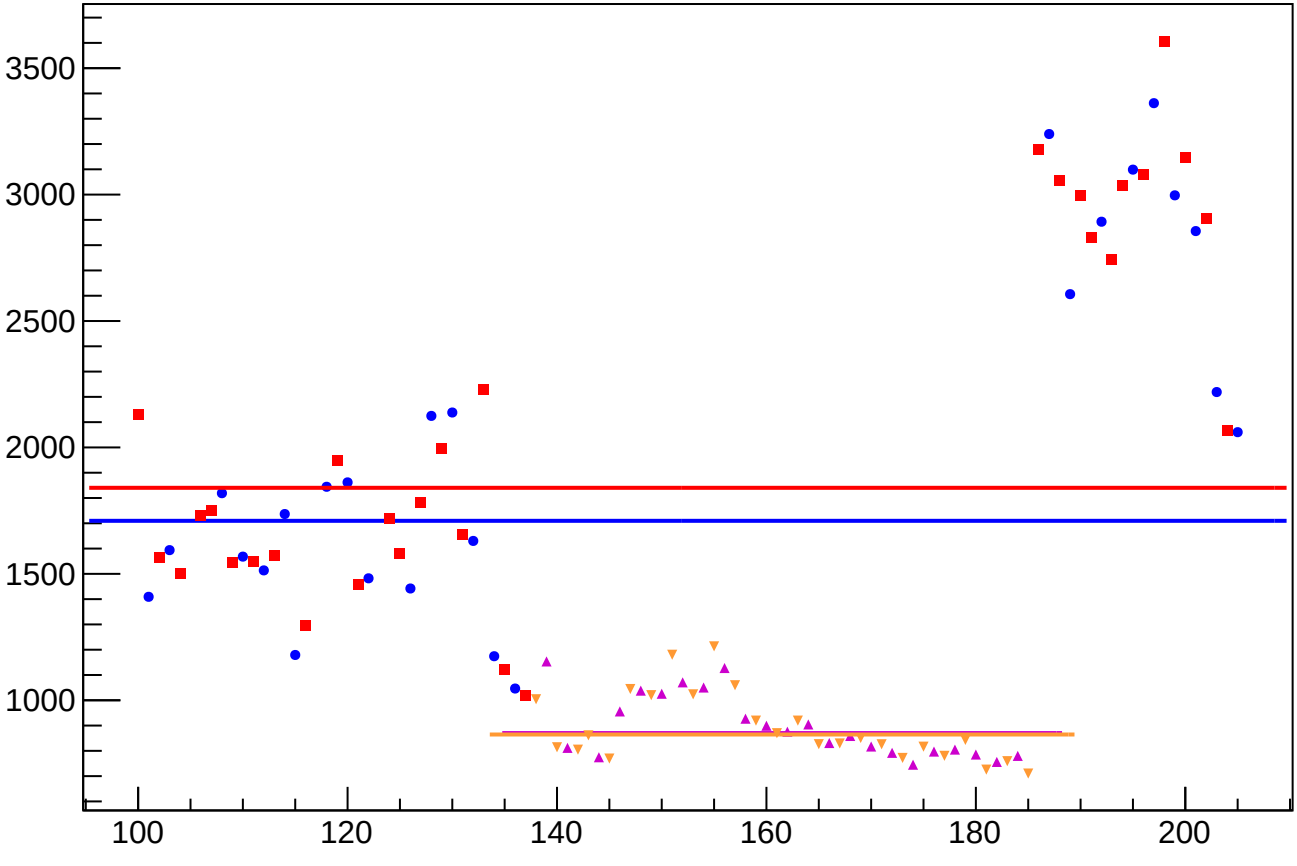
Right: 157.608+/-347.708 χ^2/NDF: 57.1/54

In: 152.429+/-189.141 χ^2/NDF:63.0/47

Out: 553.879+/-184.632 χ^2/NDF:87.6/54

All: 357.996+/-132.120 χ^2/NDF: 152.9/102

asym_sam_24_68_dd_rms vs Slug, Sign Corrected



Right In: 1709.761+/-0.343 χ^2/NDF: 3157784.7/24

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

Right Out: 1840.328+/-0.352 χ^2/NDF: 3386339.5/29

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

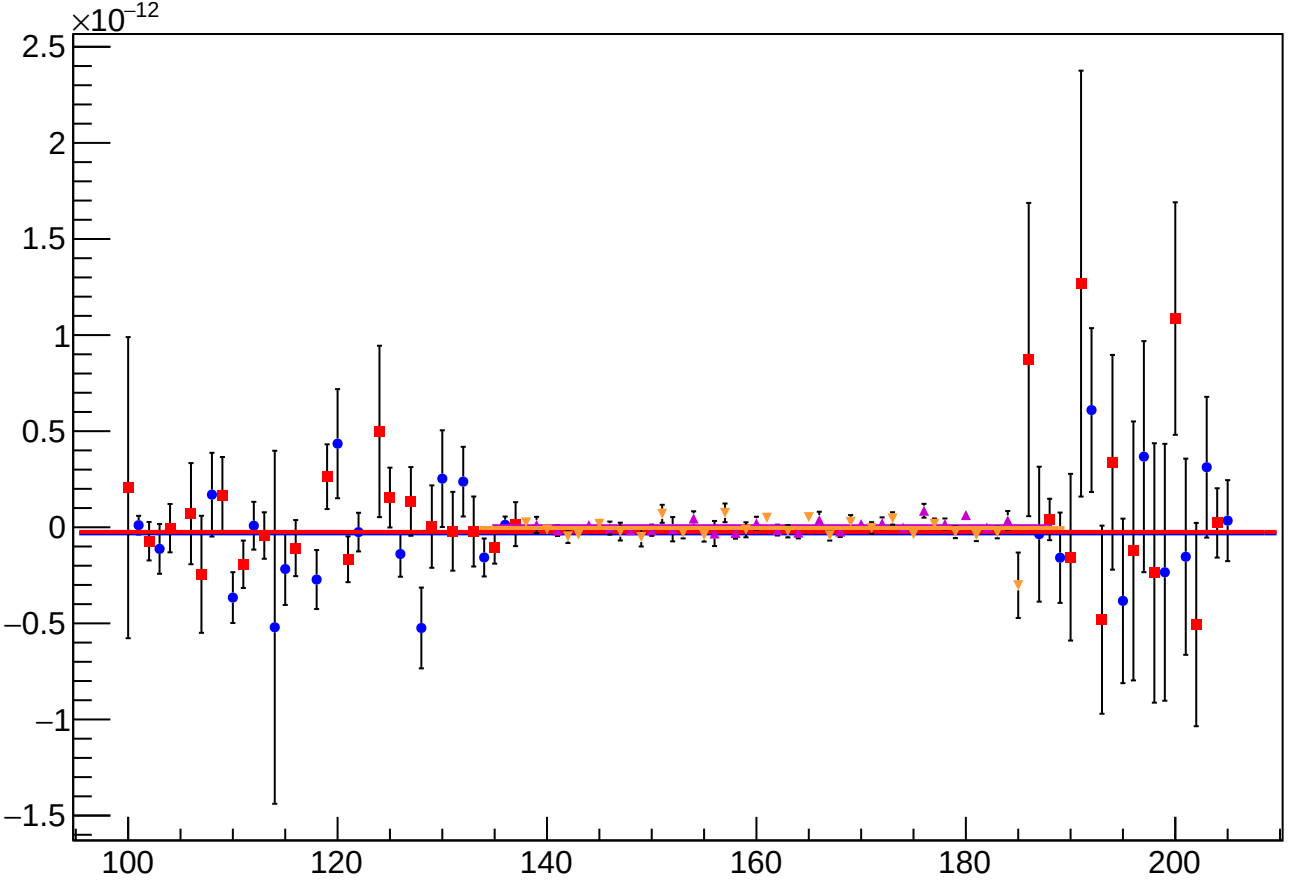
Left: 867.399+/-0.101 χ^2/NDF: 1294266.9/47

Right: 1773.421+/-0.246 χ^2/NDF: 6614582.7/54

In: 997.625+/-0.134 χ^2/NDF:8829603.3/47

Out: 998.769+/-0.131 χ^2/NDF:10697955.8/54

All: 998.211+/-0.093 χ^2/NDF: 19527596.5/10



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.8/29

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

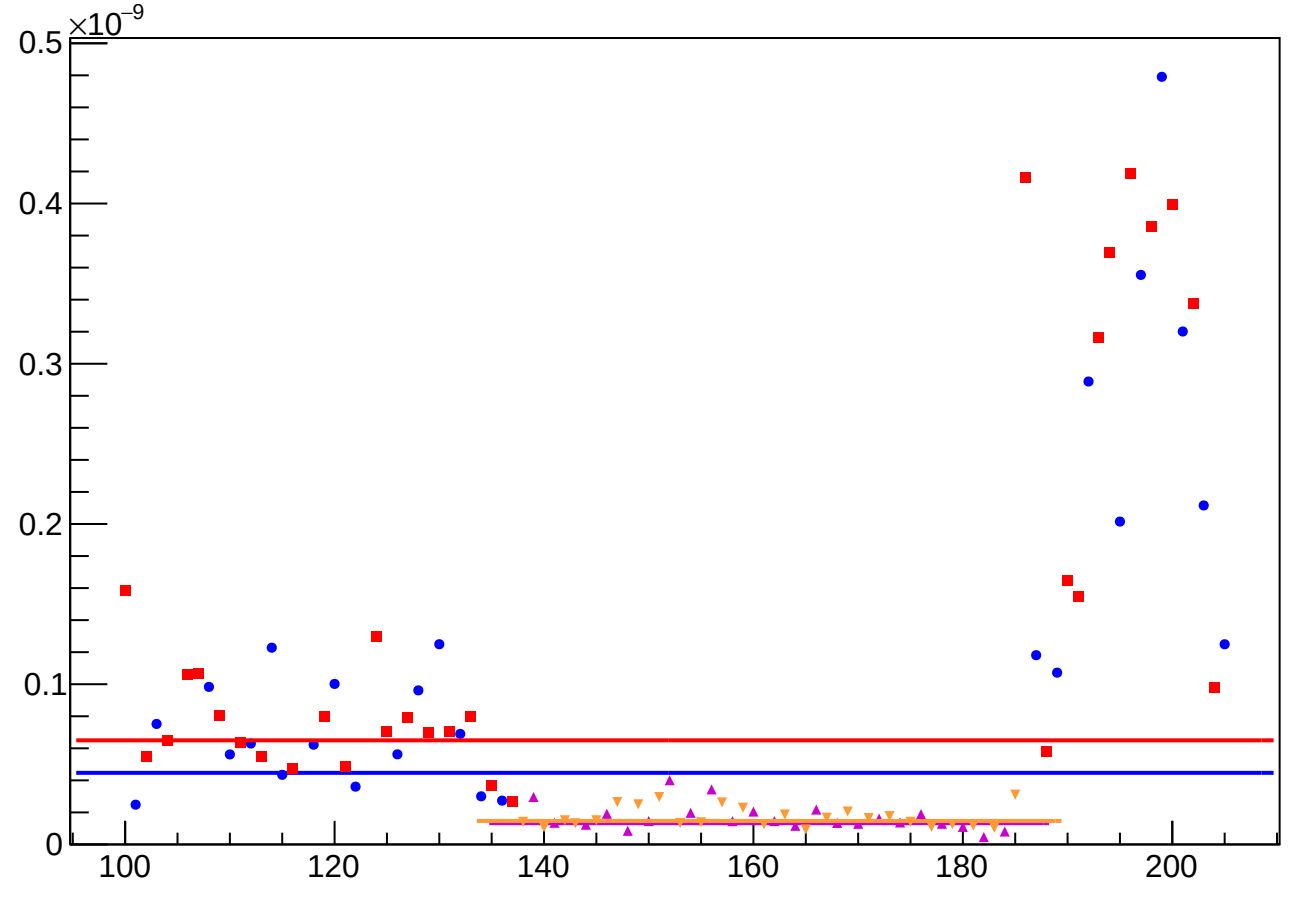
Left: 0.000+/-0.000 χ^2/NDF: 60.6/47

Right: -0.000+/-0.000 χ^2/NDF: 54.0/54

In: 0.000+/-0.000 χ^2/NDF:55.0/47

Out: -0.000+/-0.000 χ^2/NDF:60.9/54

All: -0.000+/-0.000 χ^2/NDF: 116.9/102



Right In: 0.000+/-0.000 χ^2/NDF: 5326115.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4604813.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

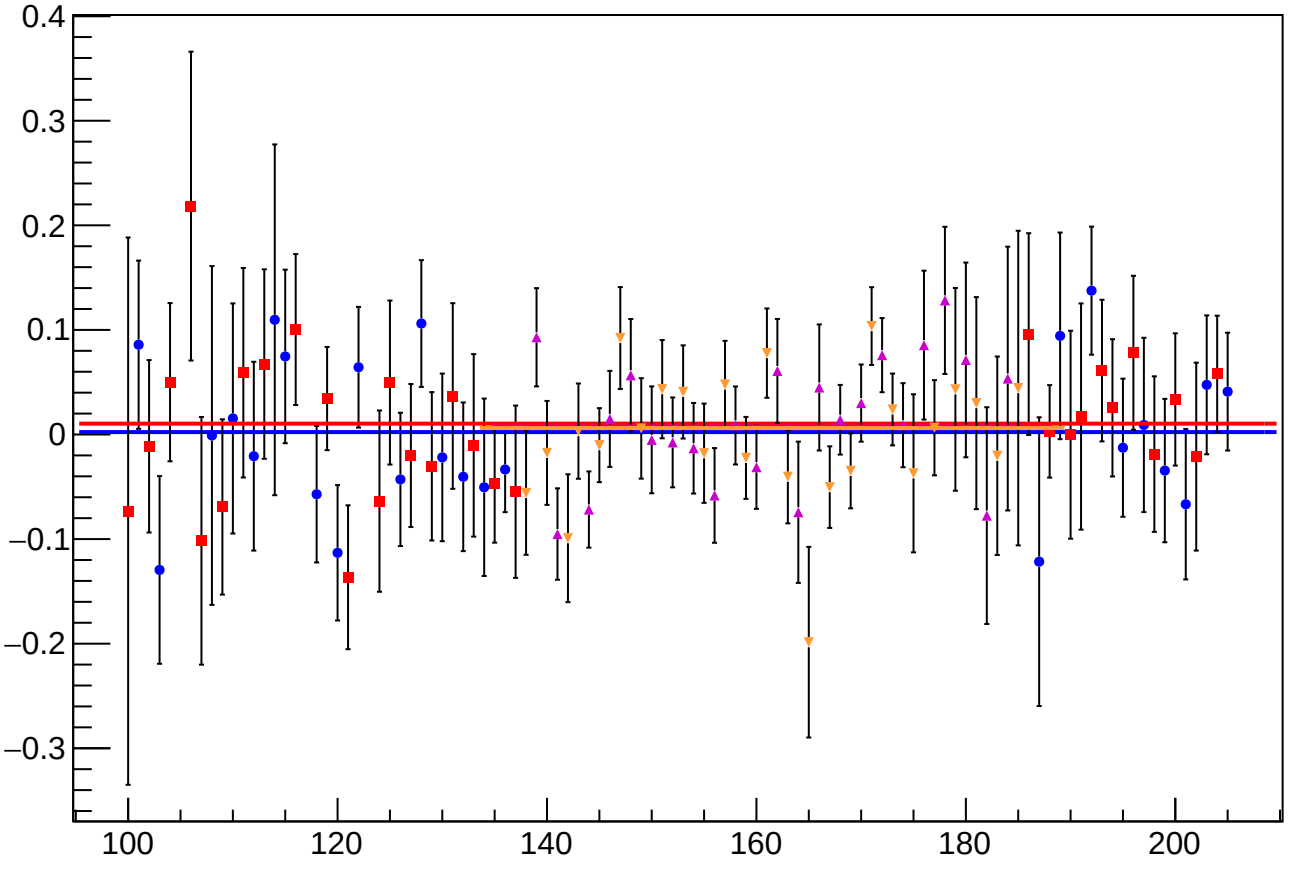
Left: 0.000+/-0.000 χ^2/NDF: 3099270.2/47

Right: 0.000+/-0.000 χ^2/NDF: 10451633.2/54

In: 0.000+/-0.000 χ^2/NDF:10407384.4/47

Out: 0.000+/-0.000 χ^2/NDF:10652023.5/54

All: 0.000+/-0.000 χ^2/NDF: 21115963.8/102



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

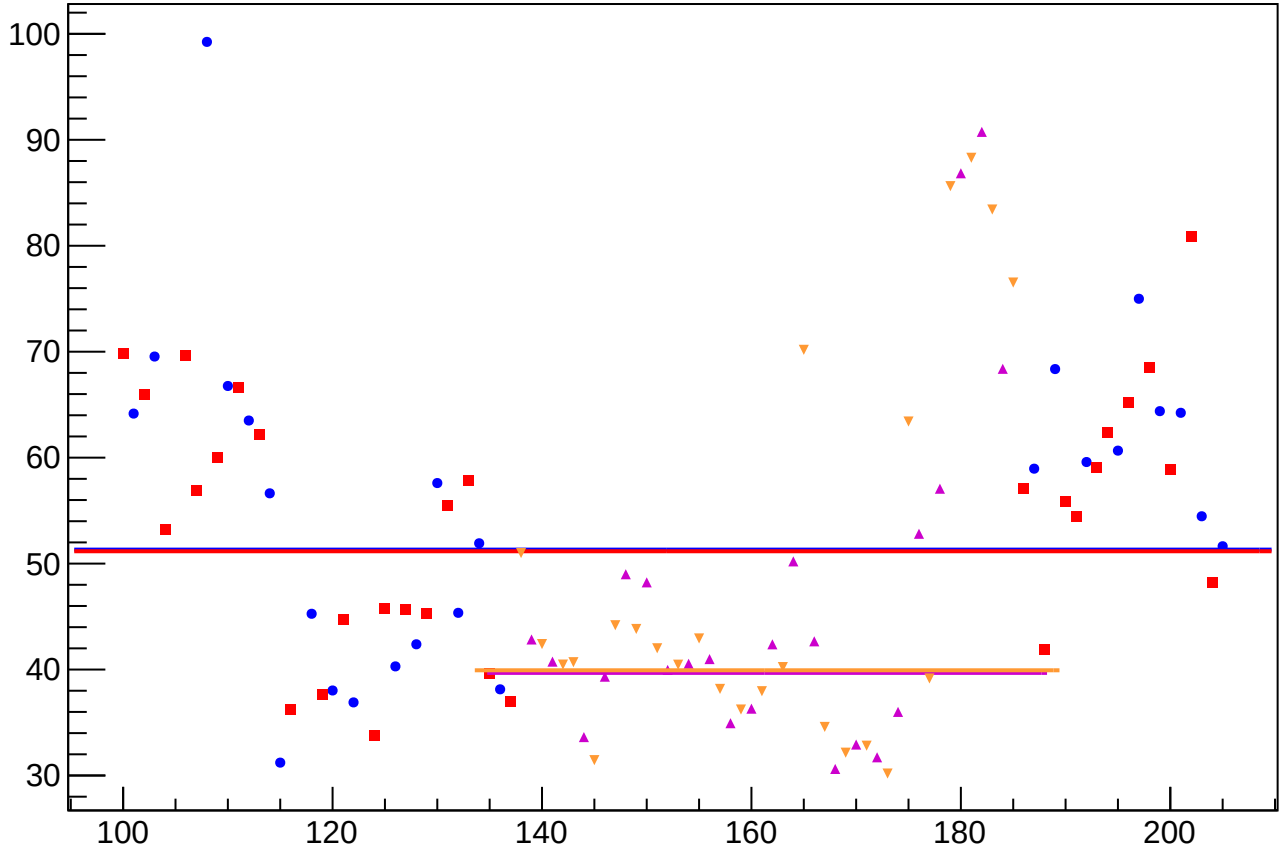
Right: 0.007+/-0.010 χ^2/NDF: 41.5/54

In: 0.006+/-0.008 χ^2/NDF:54.0/47

Out: 0.008+/-0.008 χ^2/NDF:48.8/54

All: 0.007+/-0.006 χ^2/NDF: 102.8/102

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.320+/-0.010 χ^2/NDF: 1514230.5/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.165+/-0.010 χ^2/NDF: 1361174.8/29

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

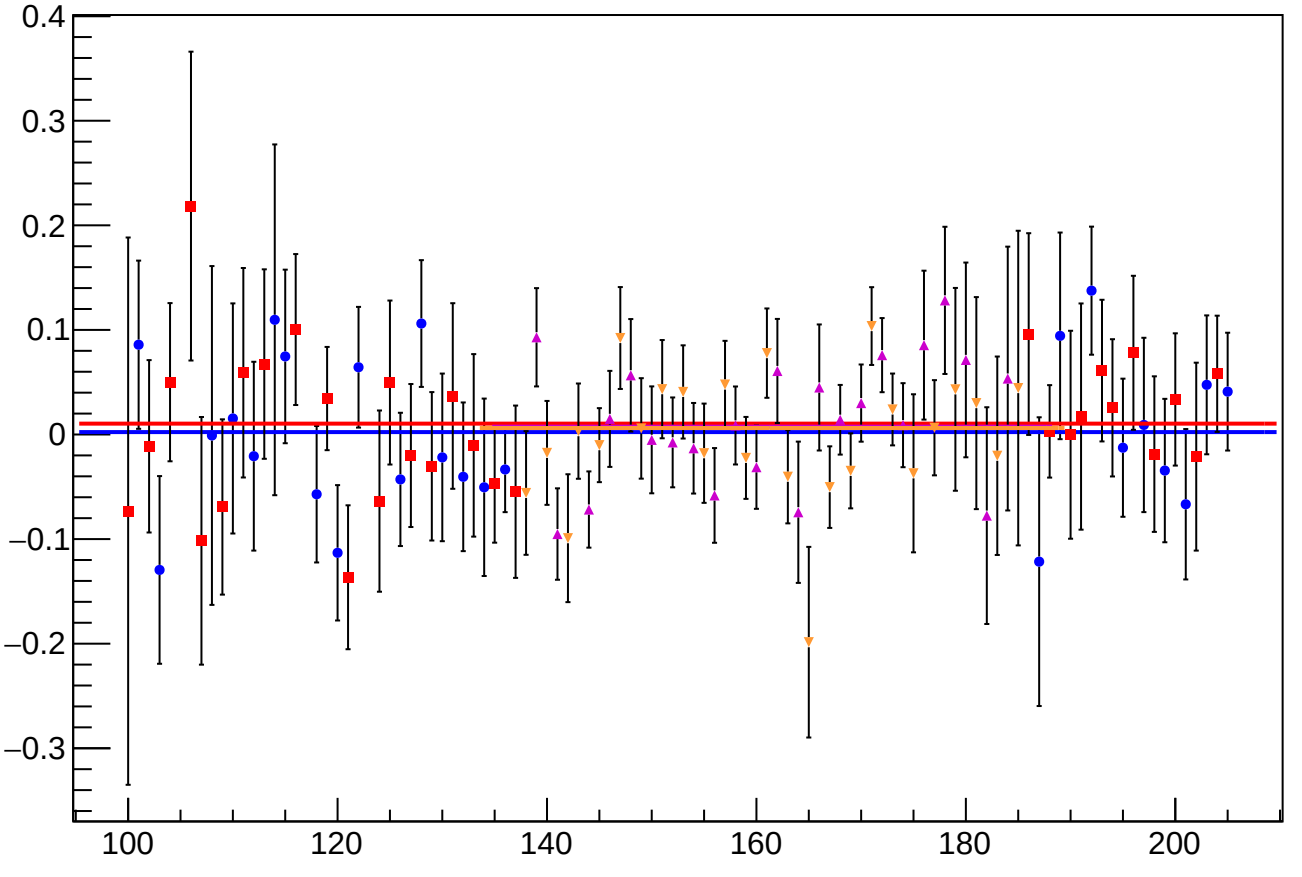
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.238+/-0.007 χ^2/NDF: 2875528.2/54

In: 43.361+/-0.006 χ^2/NDF:4325026.2/47

Out: 43.637+/-0.006 χ^2/NDF:4745702.9/54

All: 43.503+/-0.004 χ^2/NDF: 9071932.8/102



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

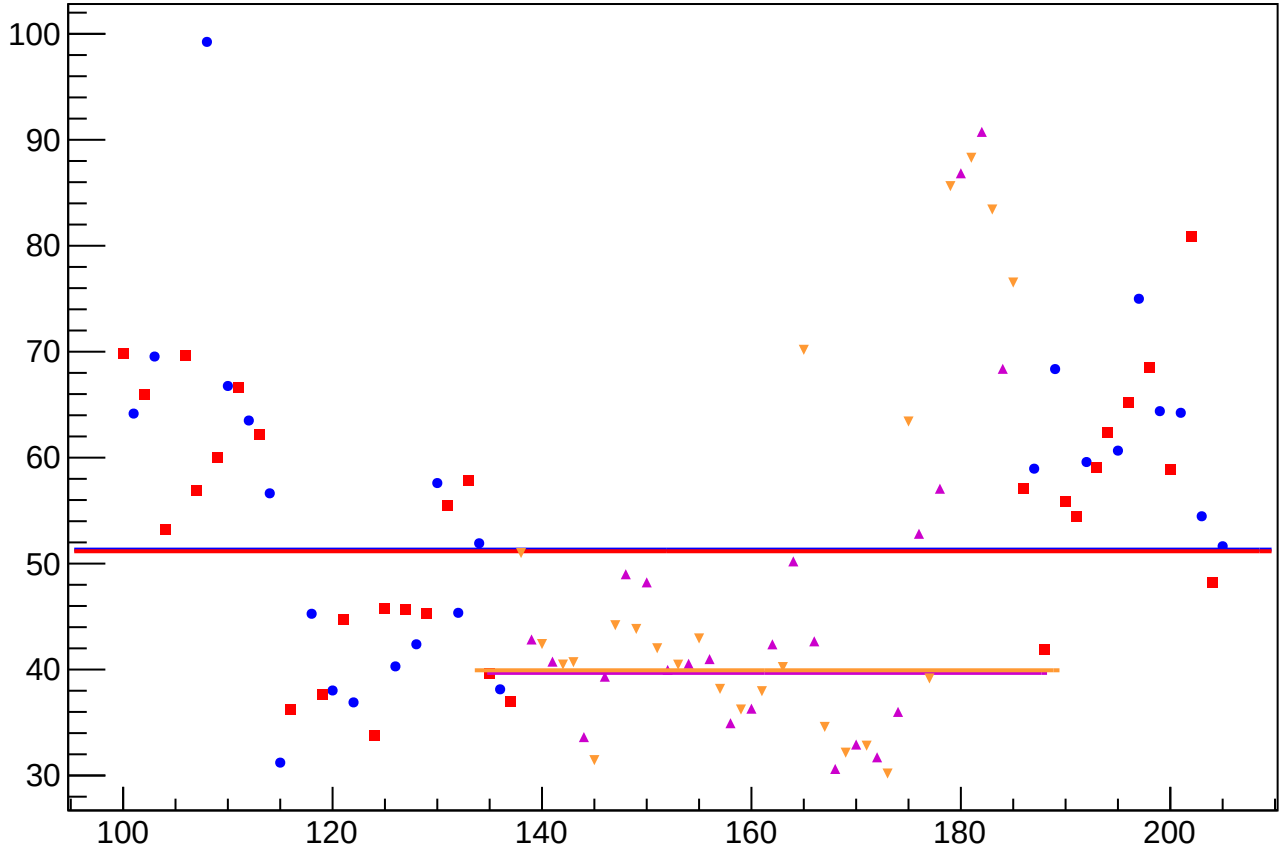
Right: 0.007+/-0.010 χ^2/NDF: 41.5/54

In: 0.006+/-0.008 χ^2/NDF:54.0/47

Out: 0.008+/-0.008 χ^2/NDF:48.8/54

All: 0.007+/-0.006 χ^2/NDF: 102.8/102

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.320+/-0.010 χ^2/NDF: 1514230.5/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

Right Out: 51.165+/-0.010 χ^2/NDF: 1361174.8/29

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

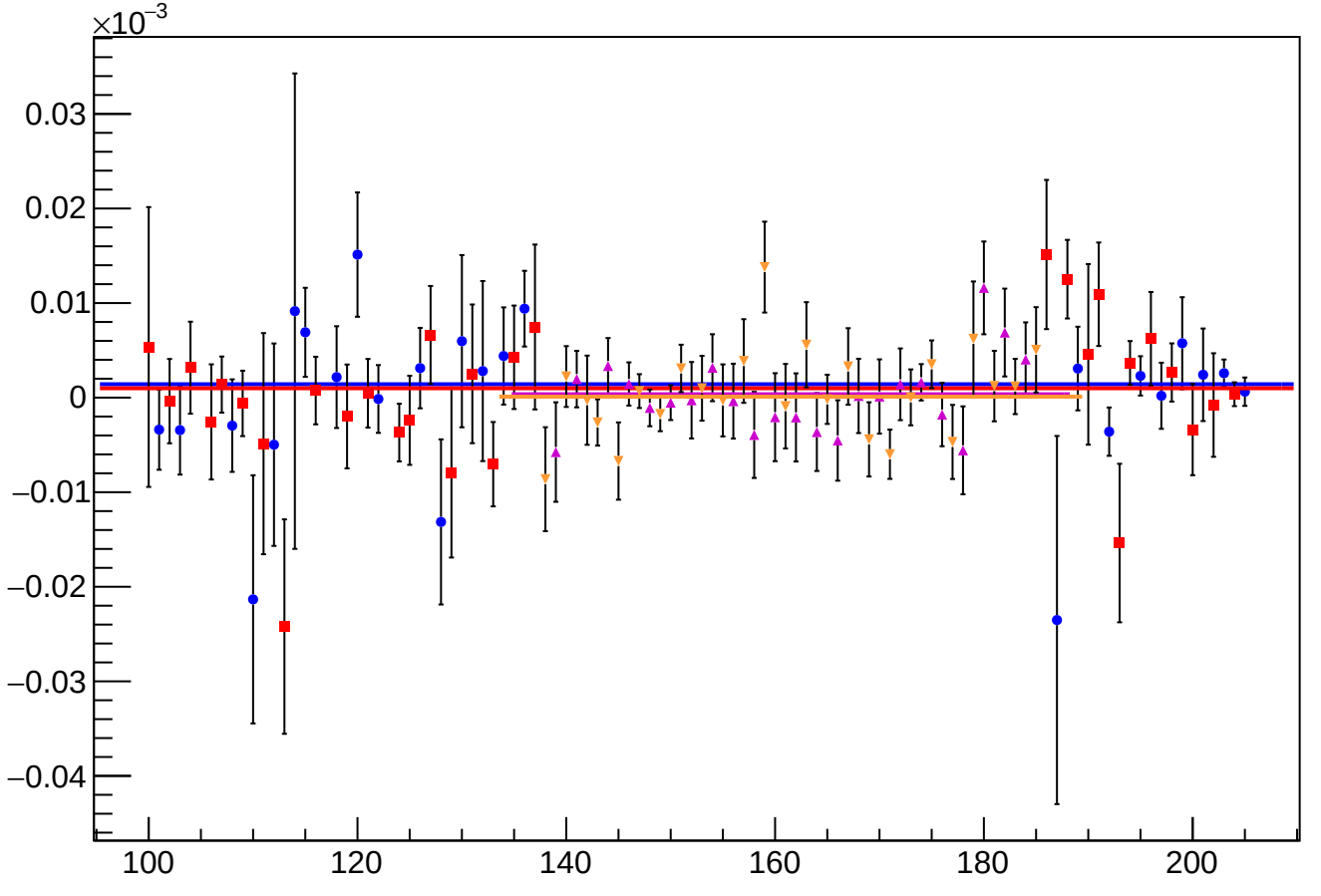
Left: 39.811+/-0.005 χ^2/NDF: 4391996.2/47

Right: 51.238+/-0.007 χ^2/NDF: 2875528.2/54

In: 43.361+/-0.006 χ^2/NDF:4325026.2/47

Out: 43.637+/-0.006 χ^2/NDF:4745702.9/54

All: 43.503+/-0.004 χ^2/NDF: 9071932.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/29

Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

Left: 0.000+/-0.000 χ^2/NDF: 52.0/47

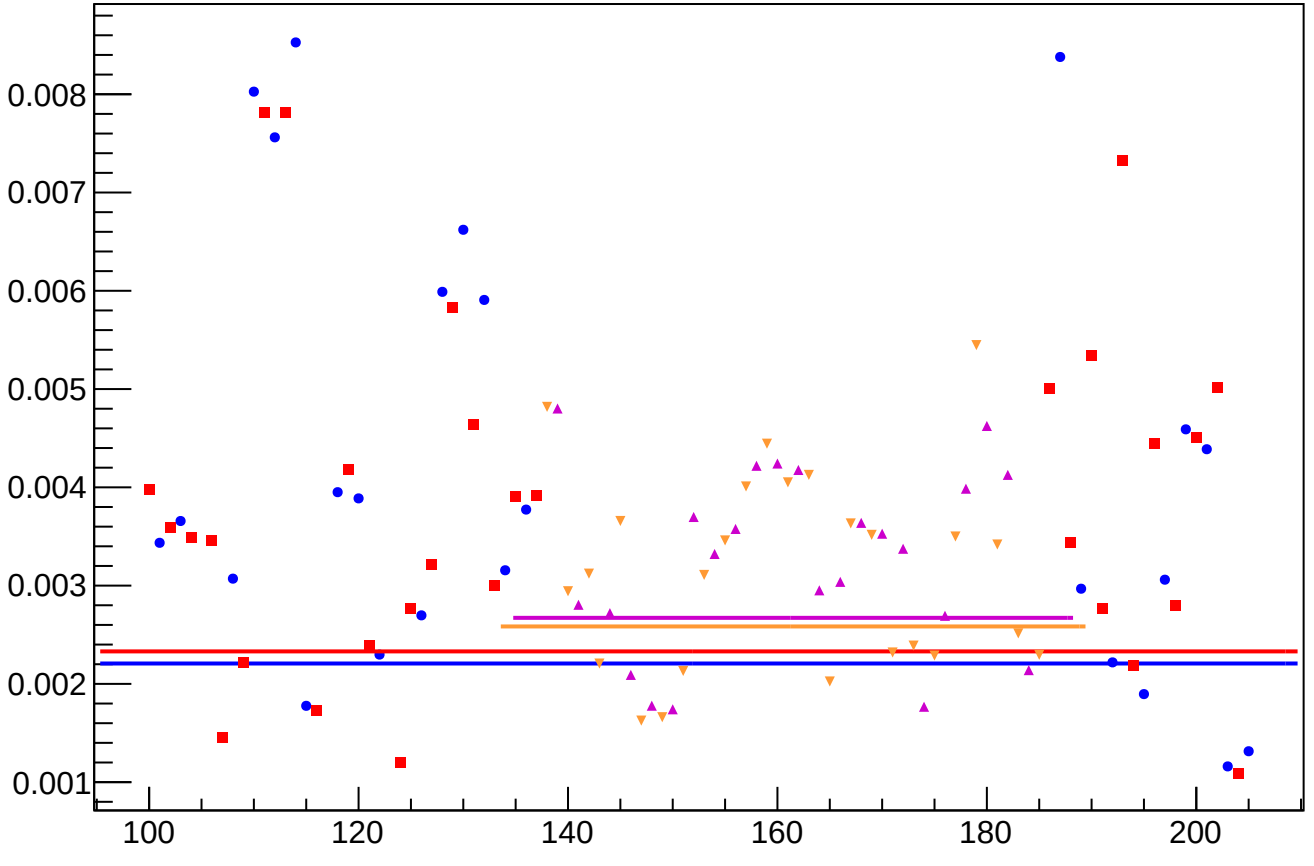
Right: 0.000+/-0.000 χ^2/NDF: 65.7/54

In: 0.000+/-0.000 χ^2/NDF:47.7/47

Out: 0.000+/-0.000 χ^2/NDF:71.9/54

All: 0.000+/-0.000 χ^2/NDF: 119.9/102

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 6406128.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7425787.2/29

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

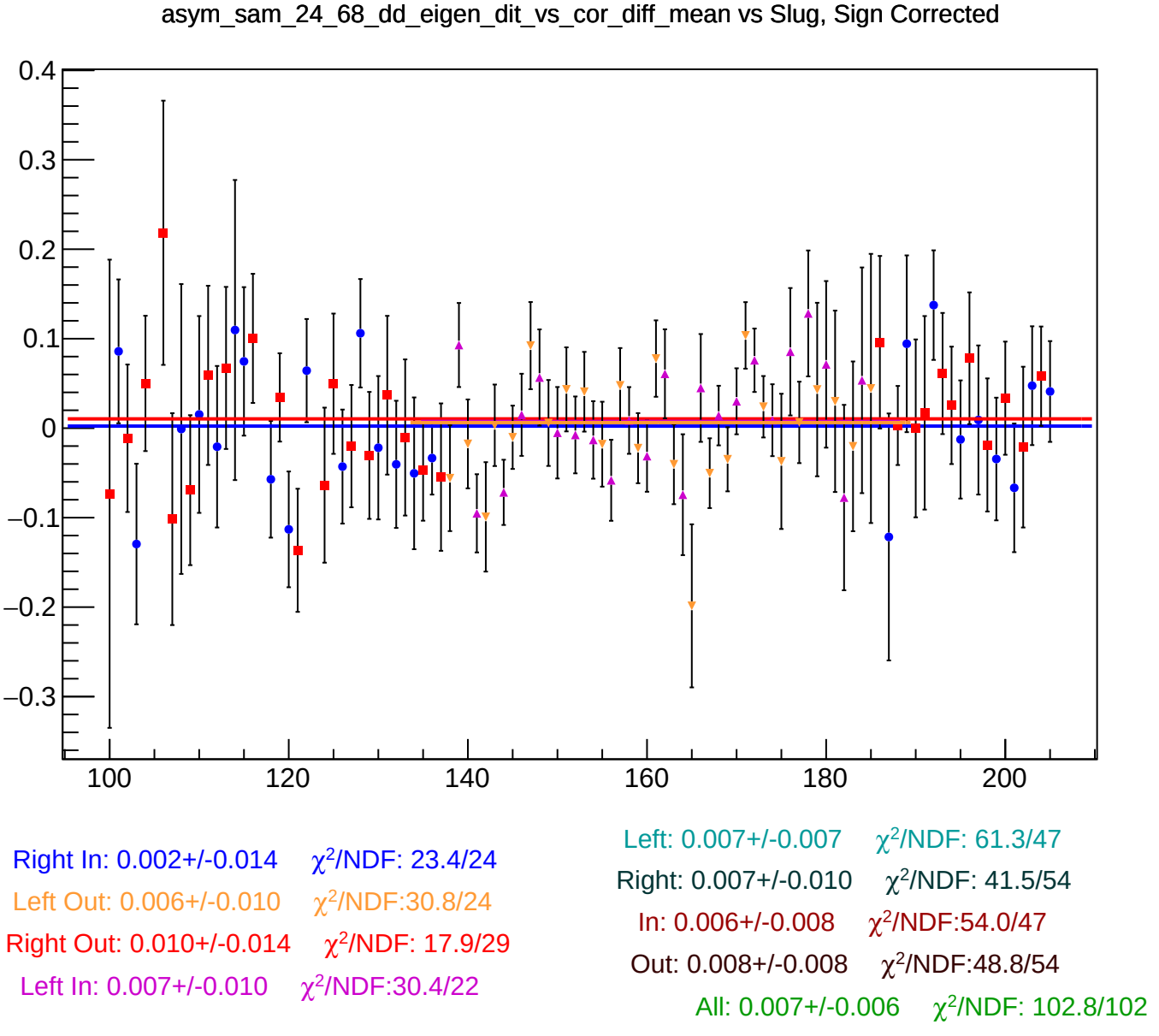
Left: 0.003+/-0.000 χ^2/NDF: 7736624.4/47

Right: 0.002+/-0.000 χ^2/NDF: 13862801.5/54

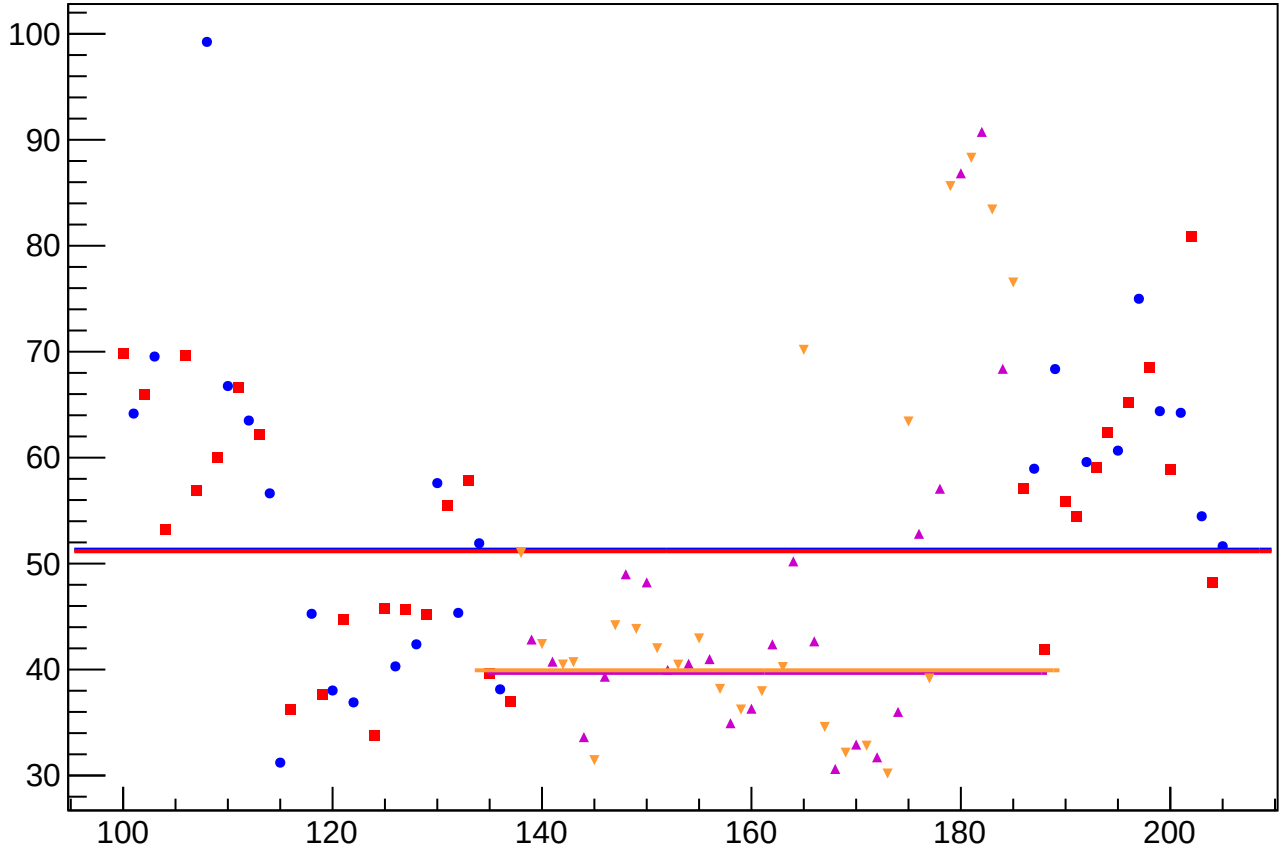
In: 0.002+/-0.000 χ^2/NDF:10694035.2/47

Out: 0.002+/-0.000 χ^2/NDF:11463492.9/54

All: 0.002+/-0.000 χ^2/NDF: 22159914.6/102


asym_sam_24_68_dd_eigen_dit_vs_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: 0.002+/-0.014 χ²/NDF: 23.4/24
Left Out: 0.006+/-0.010 χ²/NDF:30.8/24
Right Out: 0.010+/-0.014 χ²/NDF: 17.9/29
Left In: 0.007+/-0.010 χ²/NDF:30.4/22
Left: 0.007+/-0.007 χ²/NDF: 61.3/47
Right: 0.007+/-0.010 χ²/NDF: 41.5/54
In: 0.006+/-0.008 χ²/NDF:54.0/47
Out: 0.008+/-0.008 χ²/NDF:48.8/54
All: 0.007+/-0.006 χ²/NDF: 102.8/102

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.319+/-0.010 χ^2/NDF: 1514287.2/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.164+/-0.010 χ^2/NDF: 1361209.8/29

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

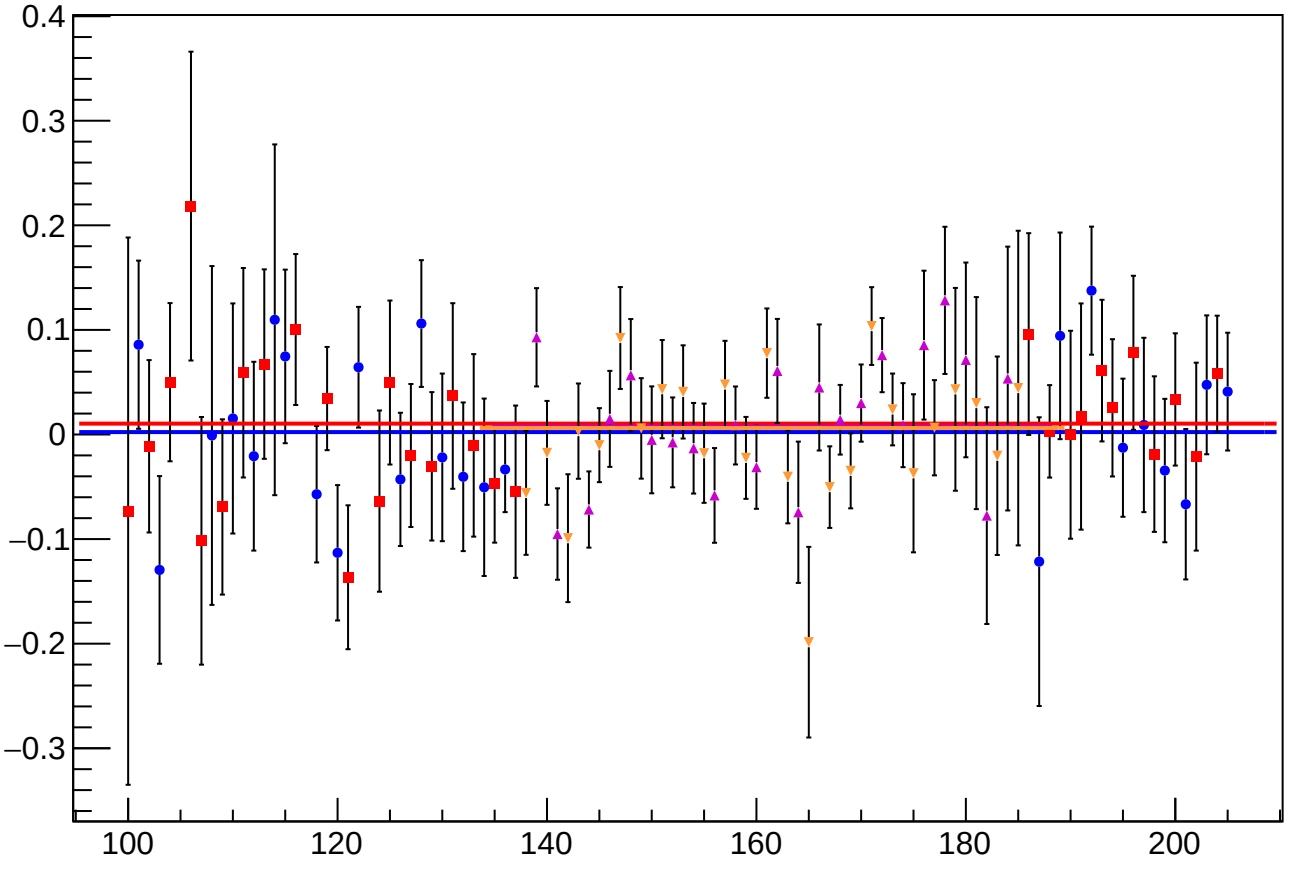
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.237+/-0.007 χ^2/NDF: 2875618.9/54

In: 43.360+/-0.006 χ^2/NDF:4324968.5/47

Out: 43.637+/-0.006 χ^2/NDF:4745664.9/54

All: 43.503+/-0.004 χ^2/NDF: 9071840.3/102



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: 0.010+/-0.014 χ^2/NDF: 17.9/29

Left In: 0.007+/-0.010 χ^2/NDF:30.4/22

Left: 0.007+/-0.007 χ^2/NDF: 61.3/47

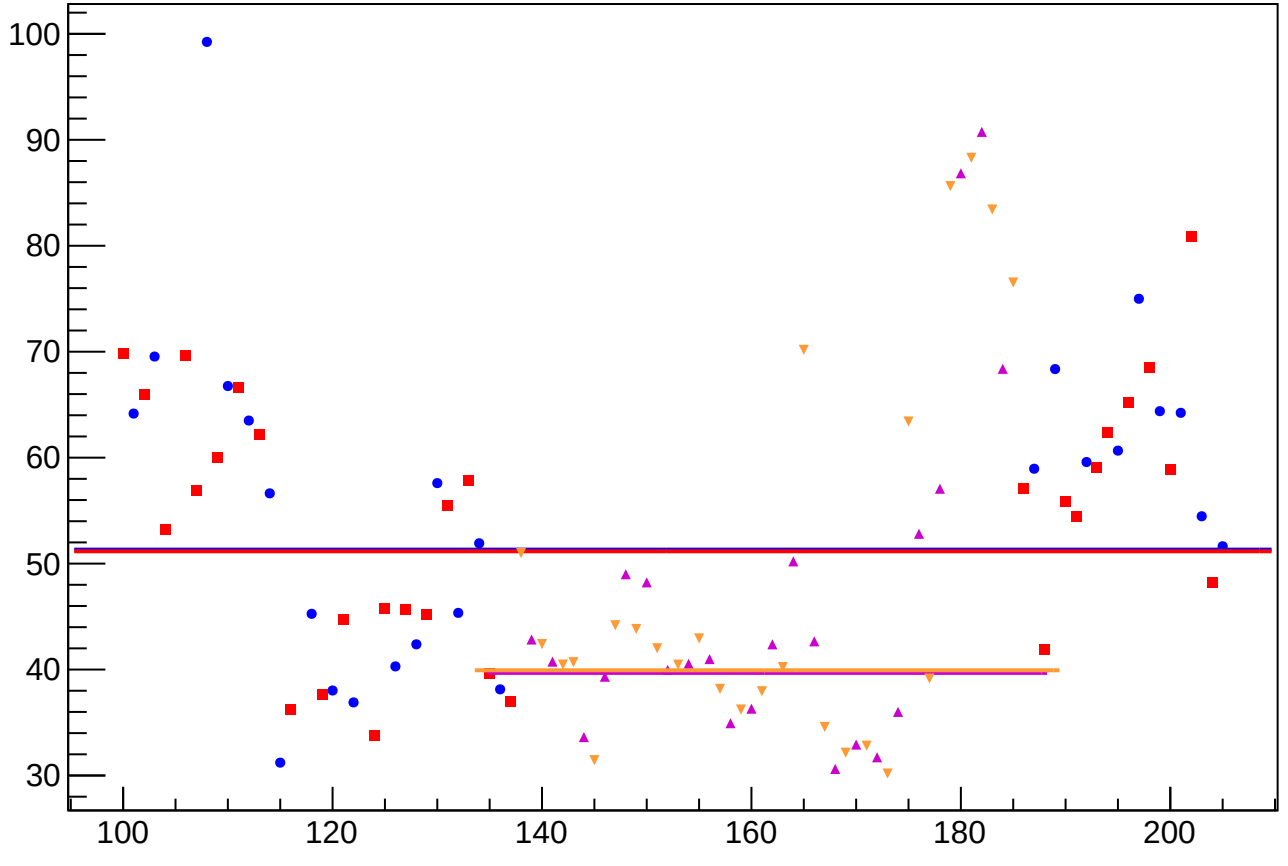
Right: 0.007+/-0.010 χ^2/NDF: 41.5/54

In: 0.006+/-0.008 χ^2/NDF:54.0/47

Out: 0.008+/-0.008 χ^2/NDF:48.8/54

All: 0.007+/-0.006 χ^2/NDF: 102.8/102

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 51.319+/-0.010 χ^2/NDF: 1514287.2/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

Right Out: 51.164+/-0.010 χ^2/NDF: 1361209.8/29

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

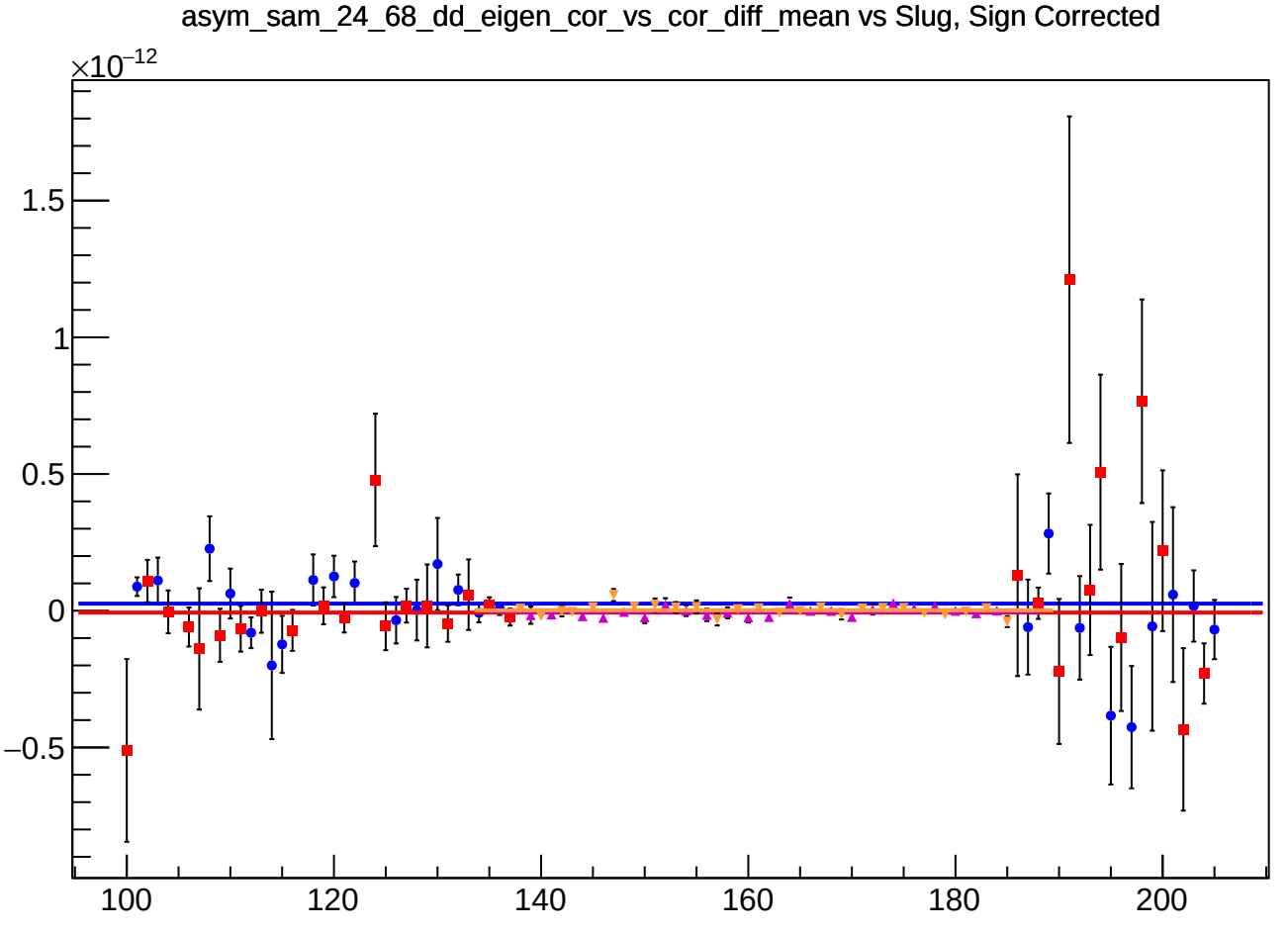
Left: 39.810+/-0.005 χ^2/NDF: 4392069.1/47

Right: 51.237+/-0.007 χ^2/NDF: 2875618.9/54

In: 43.360+/-0.006 χ^2/NDF:4324968.5/47

Out: 43.637+/-0.006 χ^2/NDF:4745664.9/54

All: 43.503+/-0.004 χ^2/NDF: 9071840.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/29

Left In: -0.000+/-0.000 χ^2/NDF:27.5/22

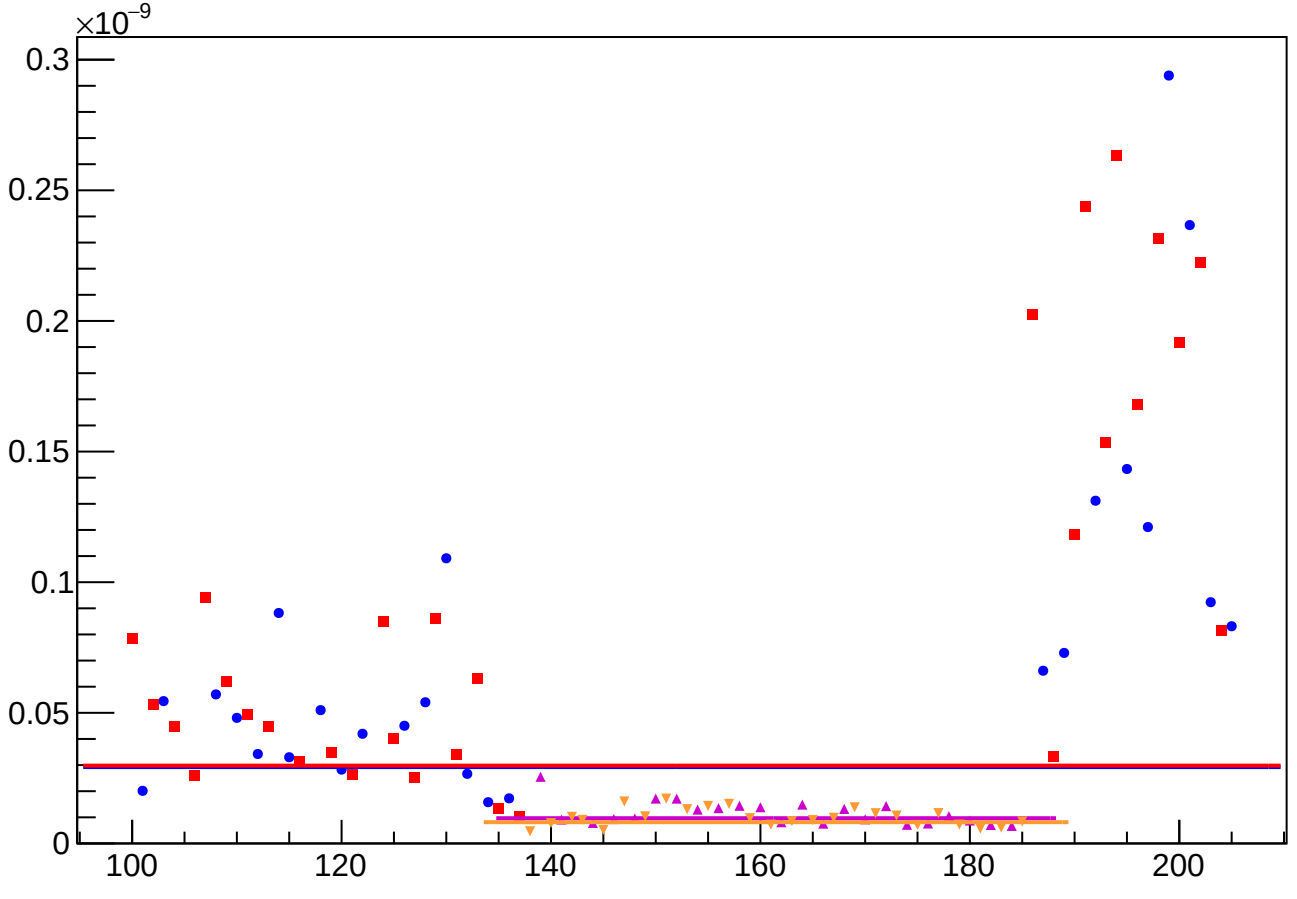
Left: -0.000+/-0.000 χ^2/NDF: 57.5/47

Right: 0.000+/-0.000 χ^2/NDF: 67.9/54

In: -0.000+/-0.000 χ^2/NDF:64.5/47

Out: 0.000+/-0.000 χ^2/NDF:61.2/54

All: -0.000+/-0.000 χ^2/NDF: 126.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 6658963.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8279923.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

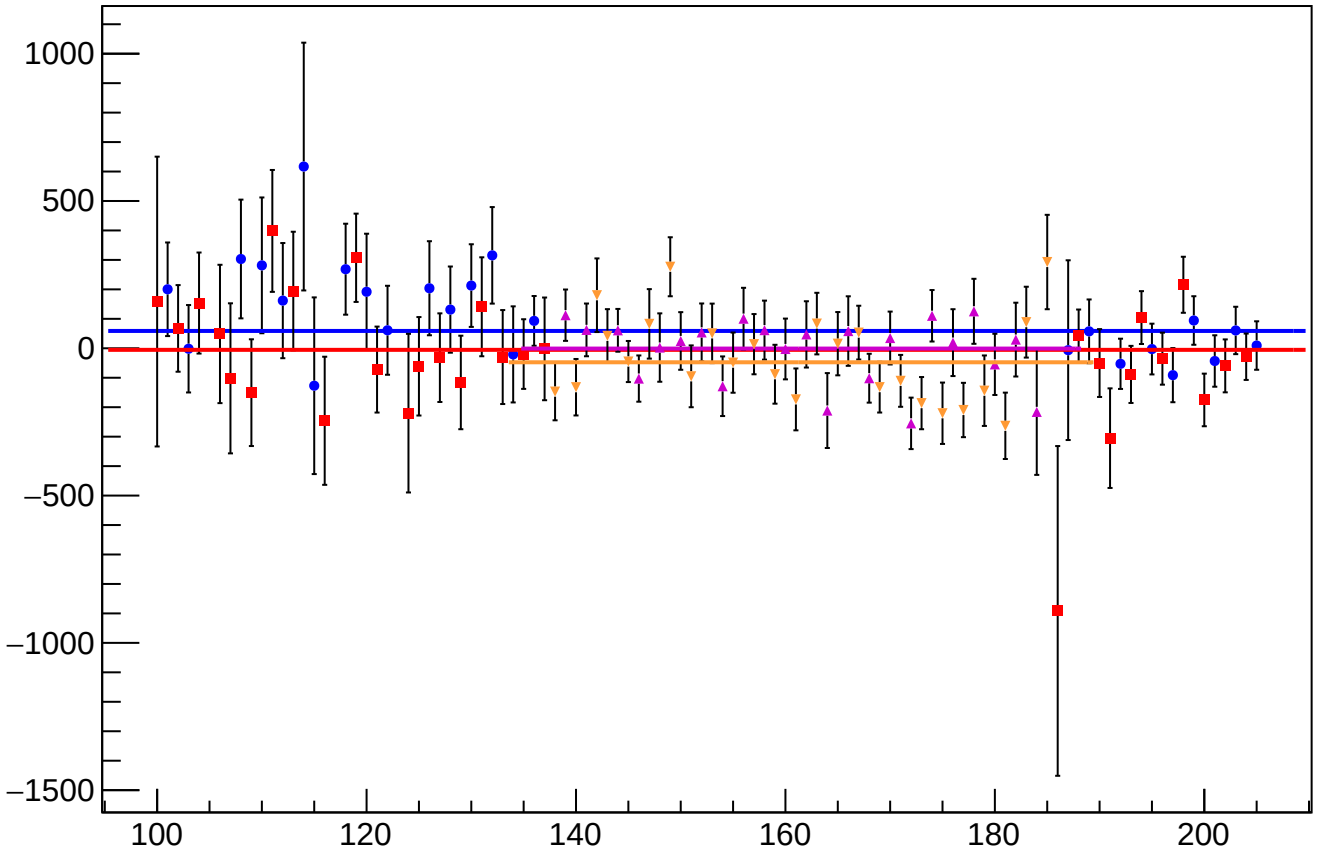
Left: 0.000+/-0.000 χ^2/NDF: 4748302.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14940522.5/54

In: 0.000+/-0.000 χ^2/NDF:12967405.6/47

Out: 0.000+/-0.000 χ^2/NDF:15467644.4/54

All: 0.000+/-0.000 χ^2/NDF: 28846769.3/102



Right In: 58.865+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -5.303+/-23.968 χ^2/NDF: 32.6/29

Left In: -0.986+/-20.604 χ^2/NDF:25.5/22

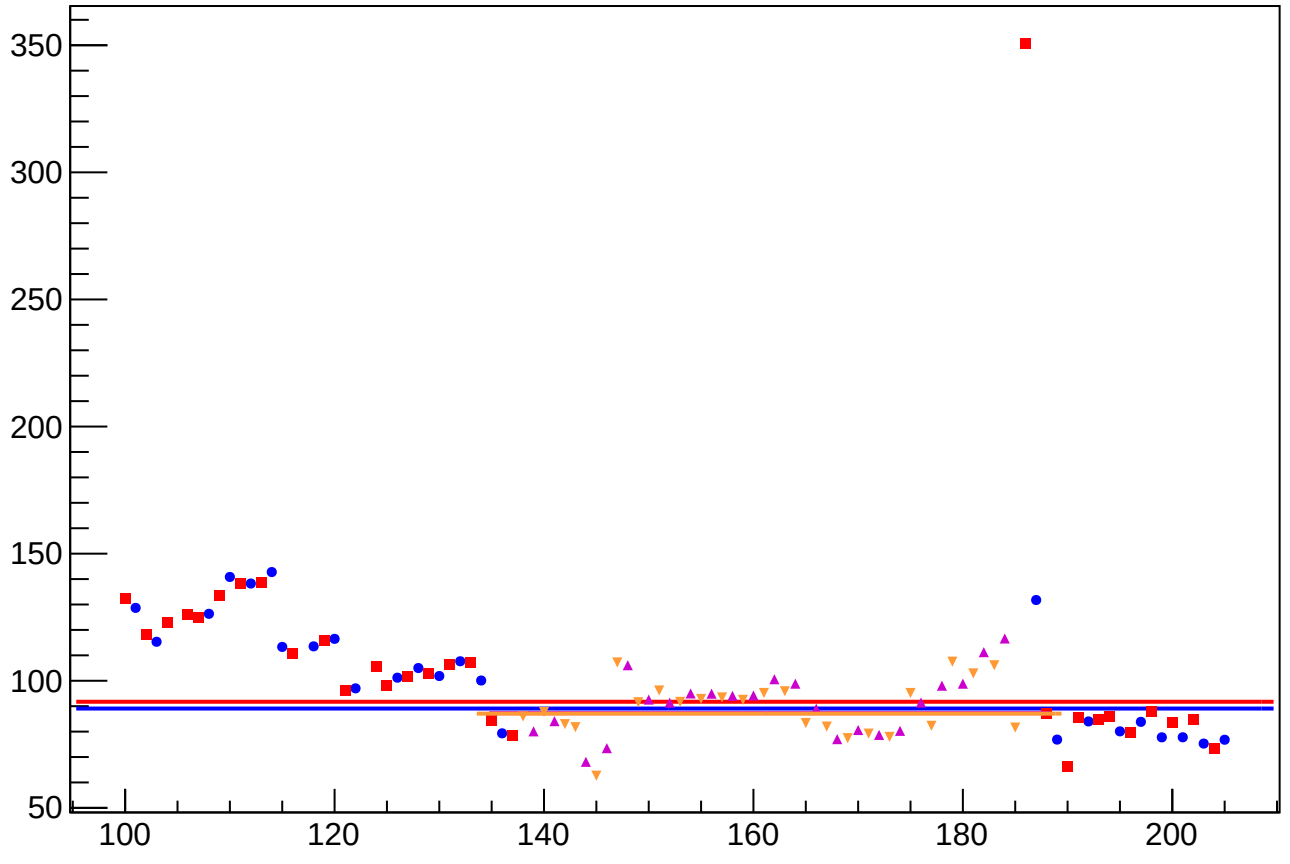
Left: -24.966+/-14.345 χ^2/NDF: 72.1/47

Right: 26.425+/-17.042 χ^2/NDF: 56.2/54

In: 24.124+/-15.698 χ^2/NDF:49.1/47

Out: -30.210+/-15.348 χ^2/NDF:78.4/54

All: -3.654+/-10.974 χ^2/NDF: 133.6/102



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.4/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 91.745+/-0.017 χ^2/NDF: 1423342.3/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.5/47

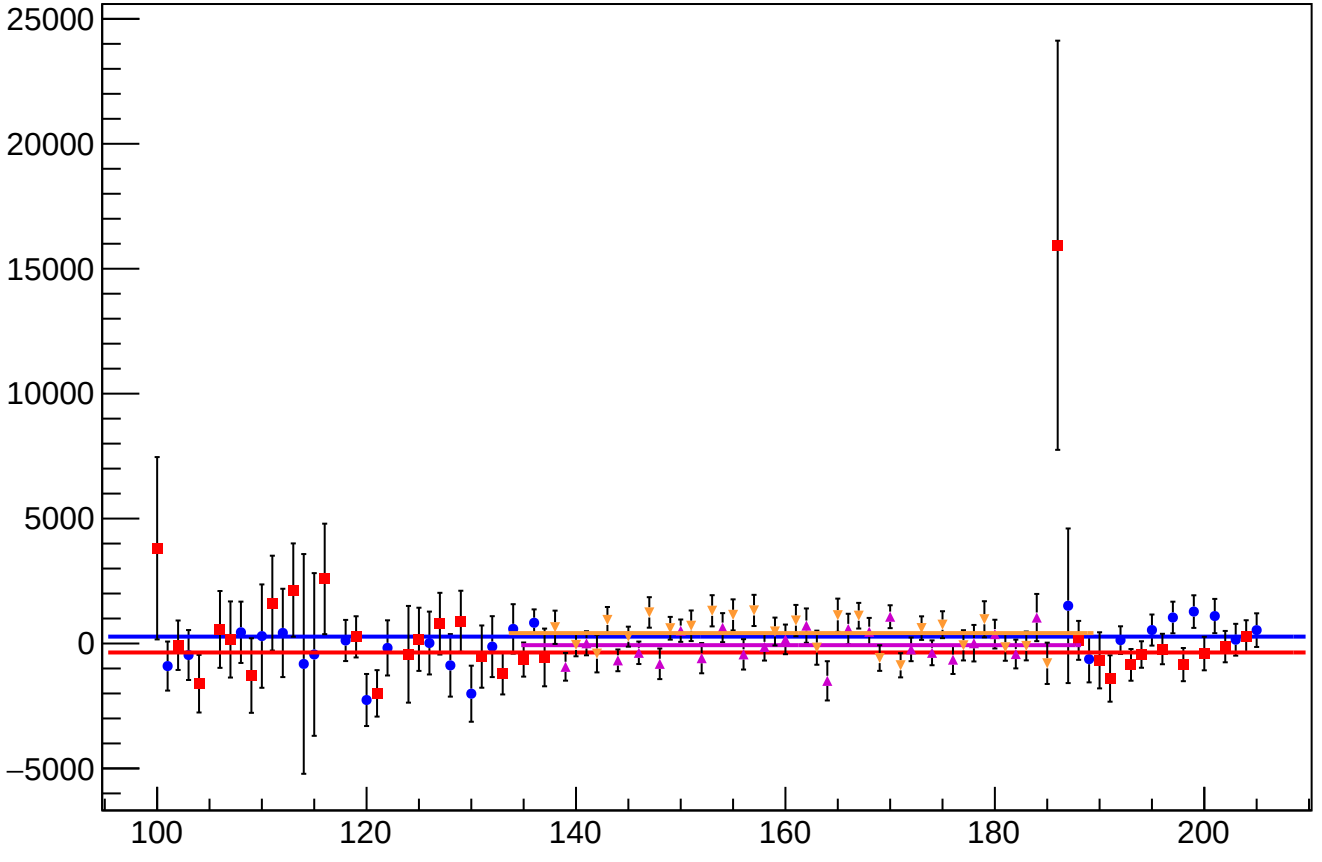
Right: 90.424+/-0.012 χ^2/NDF: 2446515.9/54

In: 88.018+/-0.011 χ^2/NDF:1613185.6/47

Out: 88.988+/-0.011 χ^2/NDF:2088833.4/54

All: 88.514+/-0.008 χ^2/NDF: 3705922.4/102

asym_sam_26_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: -359.551+/-167.959 χ^2/NDF: 23.1/29

Left In: -66.675+/-115.419 χ^2/NDF:27.5/22

Left: 181.413+/-80.501 χ^2/NDF: 68.9/47

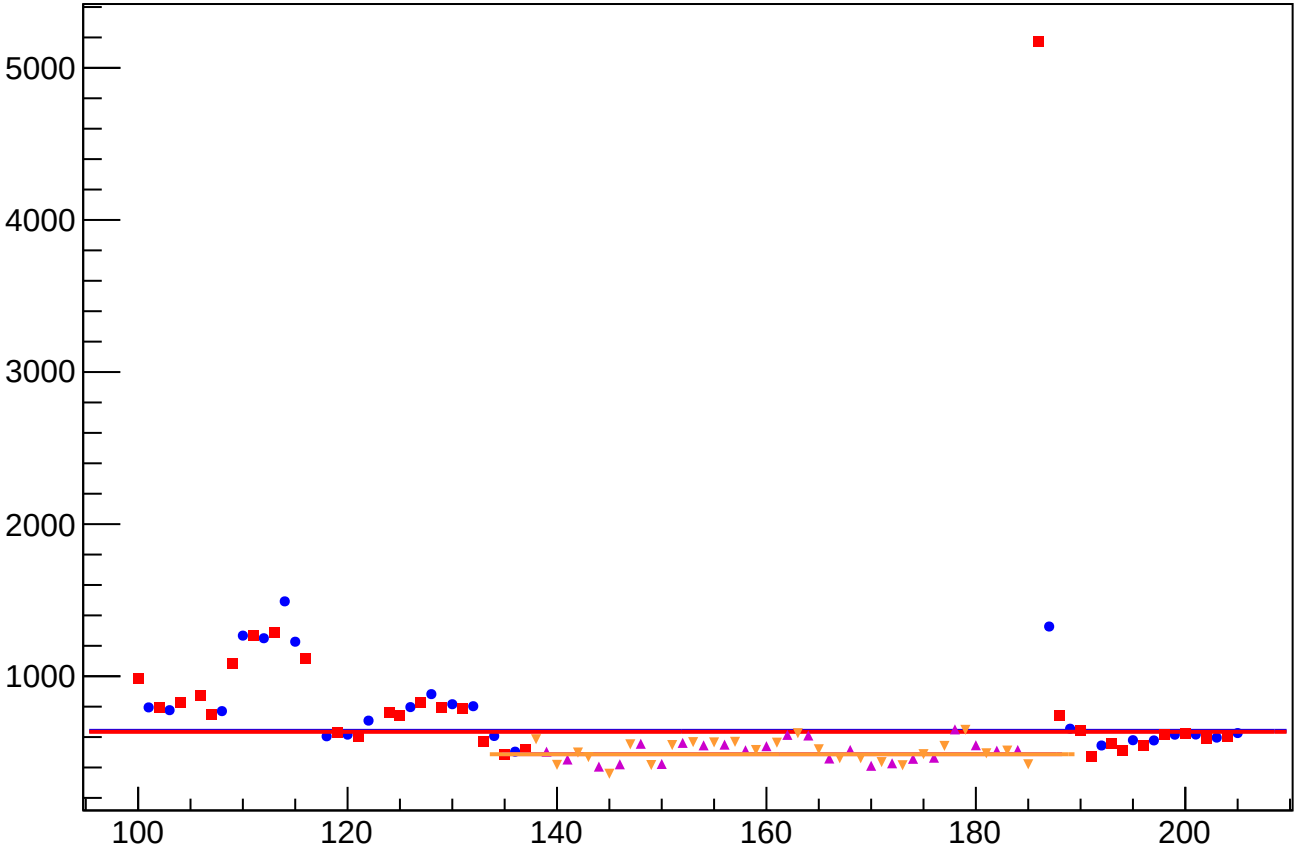
Right: -55.363+/-121.214 χ^2/NDF: 51.2/54

In: 36.890+/-96.368 χ^2/NDF:51.5/47

Out: 176.590+/-93.376 χ^2/NDF:70.2/54

All: 108.943+/-67.060 χ^2/NDF: 122.8/102

asym_sam_26_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 640.812+/-0.124 χ^2/NDF: 1218214.9/24

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 634.521+/-0.119 χ^2/NDF: 2110697.3/29

Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

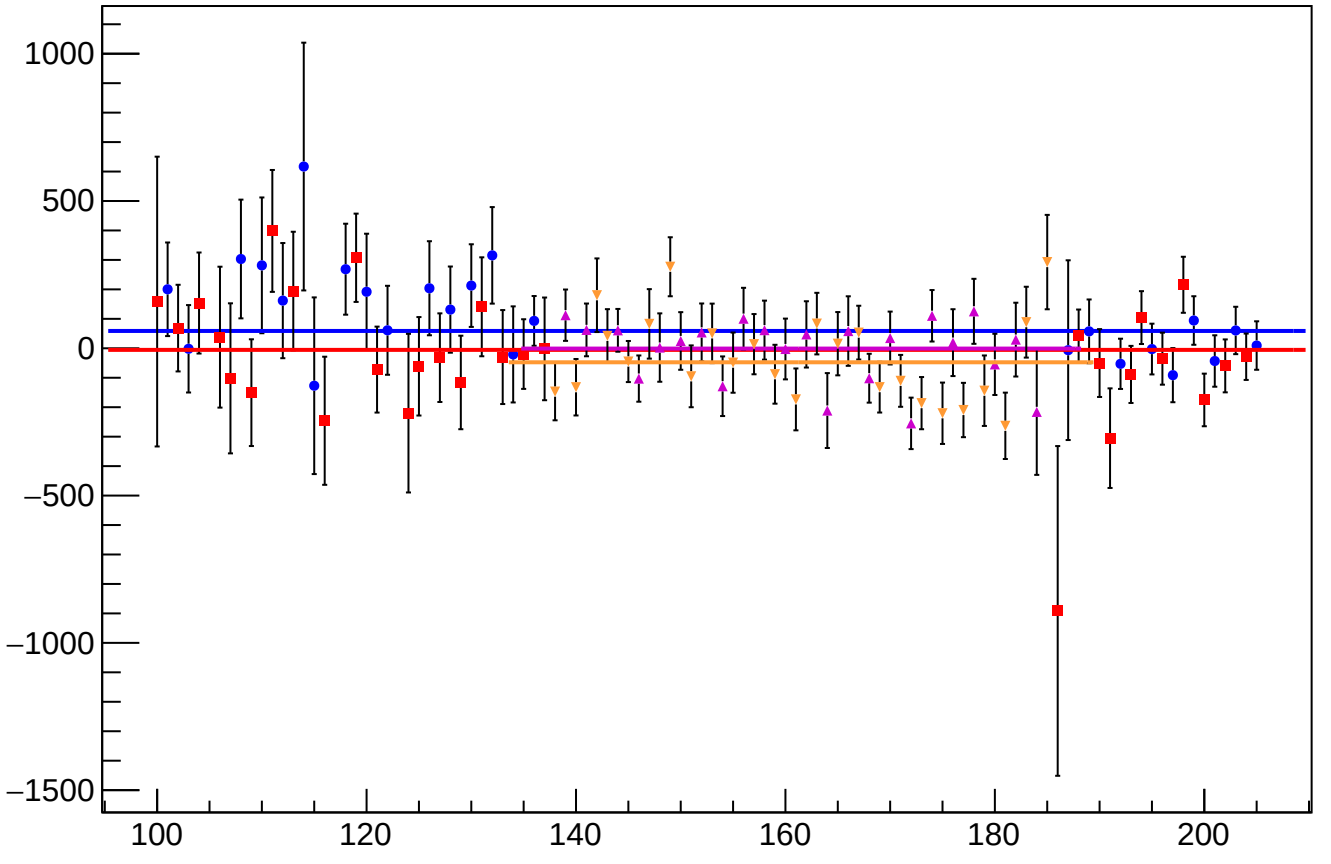
Left: 487.494+/-0.057 χ^2/NDF: 1455591.1/47

Right: 637.536+/-0.086 χ^2/NDF: 3330256.8/54

In: 534.233+/-0.068 χ^2/NDF:2915258.2/47

Out: 532.651+/-0.066 χ^2/NDF:3996808.7/54

All: 533.417+/-0.047 χ^2/NDF: 6912345.1/102



Right In: 58.858+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -5.407+/-23.972 χ^2/NDF: 32.6/29

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

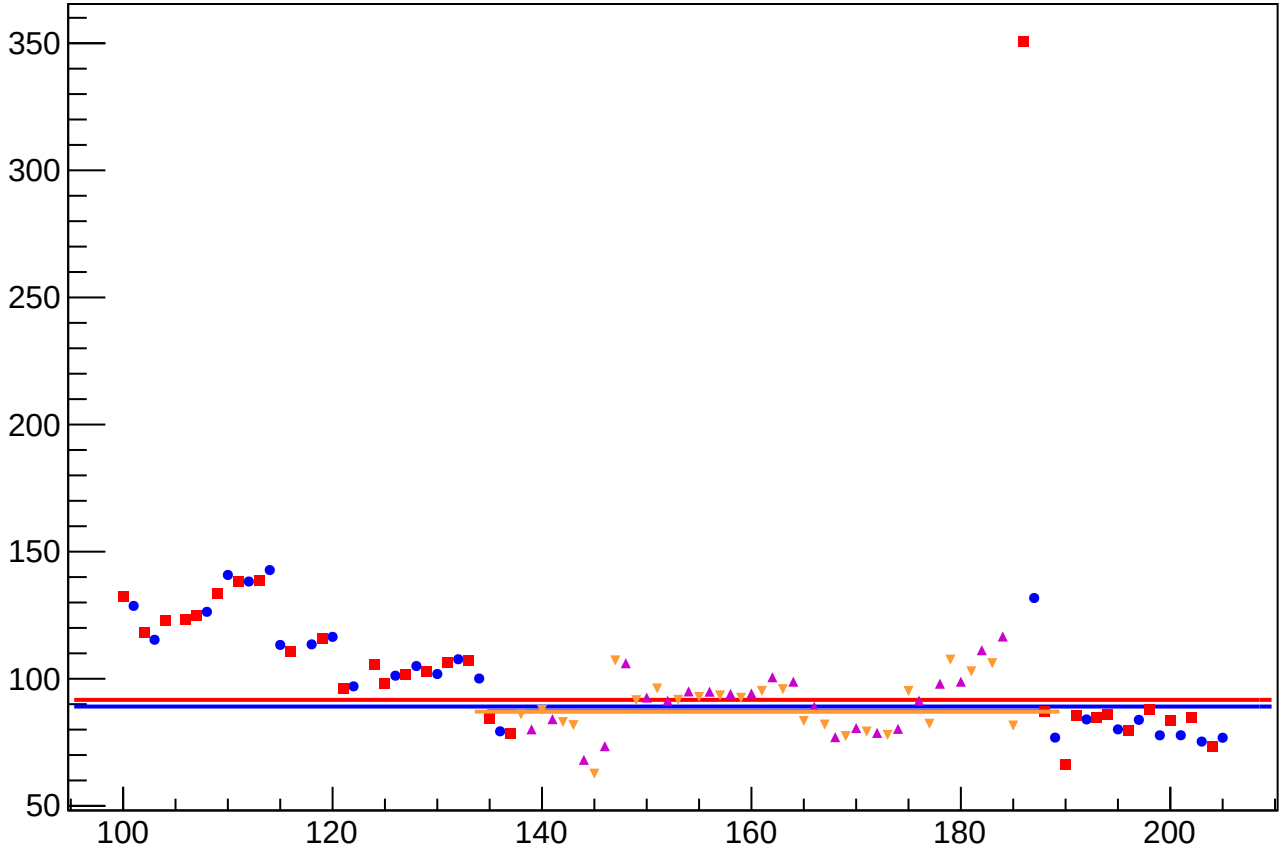
Right: 26.375+/-17.043 χ^2/NDF: 56.2/54

In: 24.120+/-15.698 χ^2/NDF:49.1/47

Out: -30.261+/-15.349 χ^2/NDF:78.4/54

All: -3.680+/-10.975 χ^2/NDF: 133.6/102

cor_asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.7/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 91.705+/-0.017 χ^2/NDF: 1415412.9/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

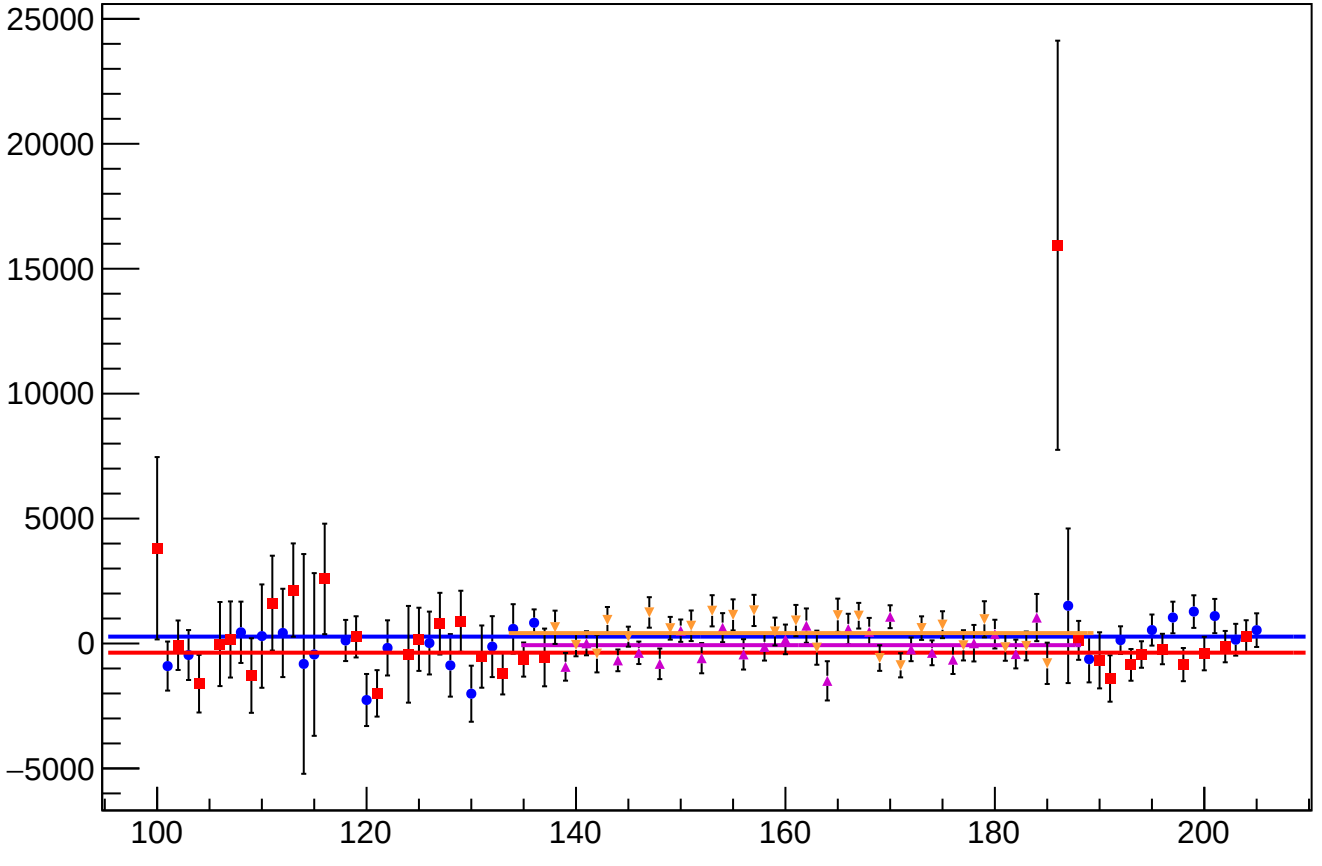
Right: 90.403+/-0.012 χ^2/NDF: 2438211.1/54

In: 88.018+/-0.011 χ^2/NDF:1613186.0/47

Out: 88.971+/-0.011 χ^2/NDF:2080112.2/54

All: 88.505+/-0.008 χ^2/NDF: 3697064.0/102

asym_sam_26_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -367.208+/-168.128 χ^2/NDF: 22.7/29

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

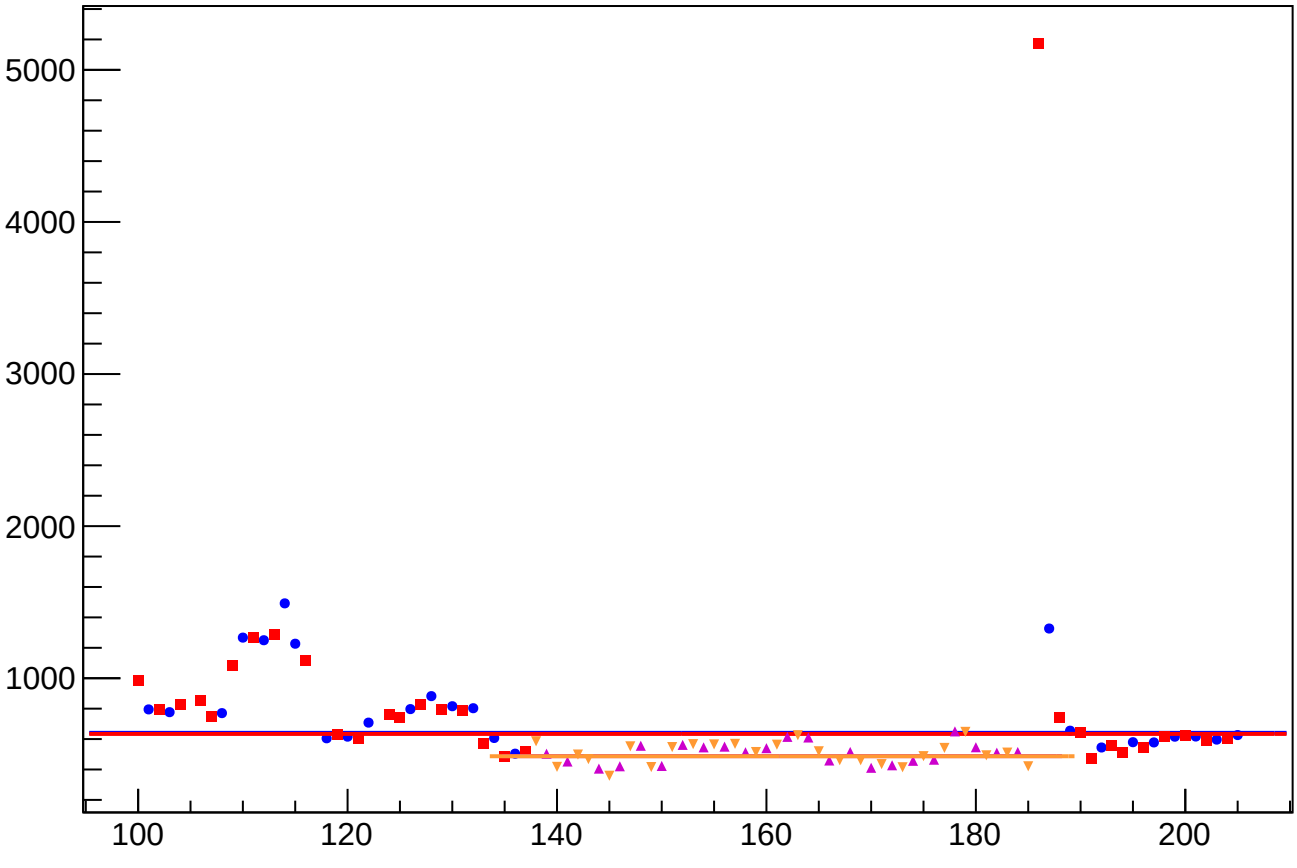
Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

Right: -59.028+/-121.277 χ^2/NDF: 51.1/54

In: 36.891+/-96.368 χ^2/NDF:51.5/47

Out: 174.555+/-93.405 χ^2/NDF:70.2/54

All: 107.872+/-67.070 χ^2/NDF: 122.7/102



Right In: 640.812+/-0.124 χ^2/NDF: 1218226.8/24

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 633.851+/-0.119 χ^2/NDF: 2096277.9/29

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

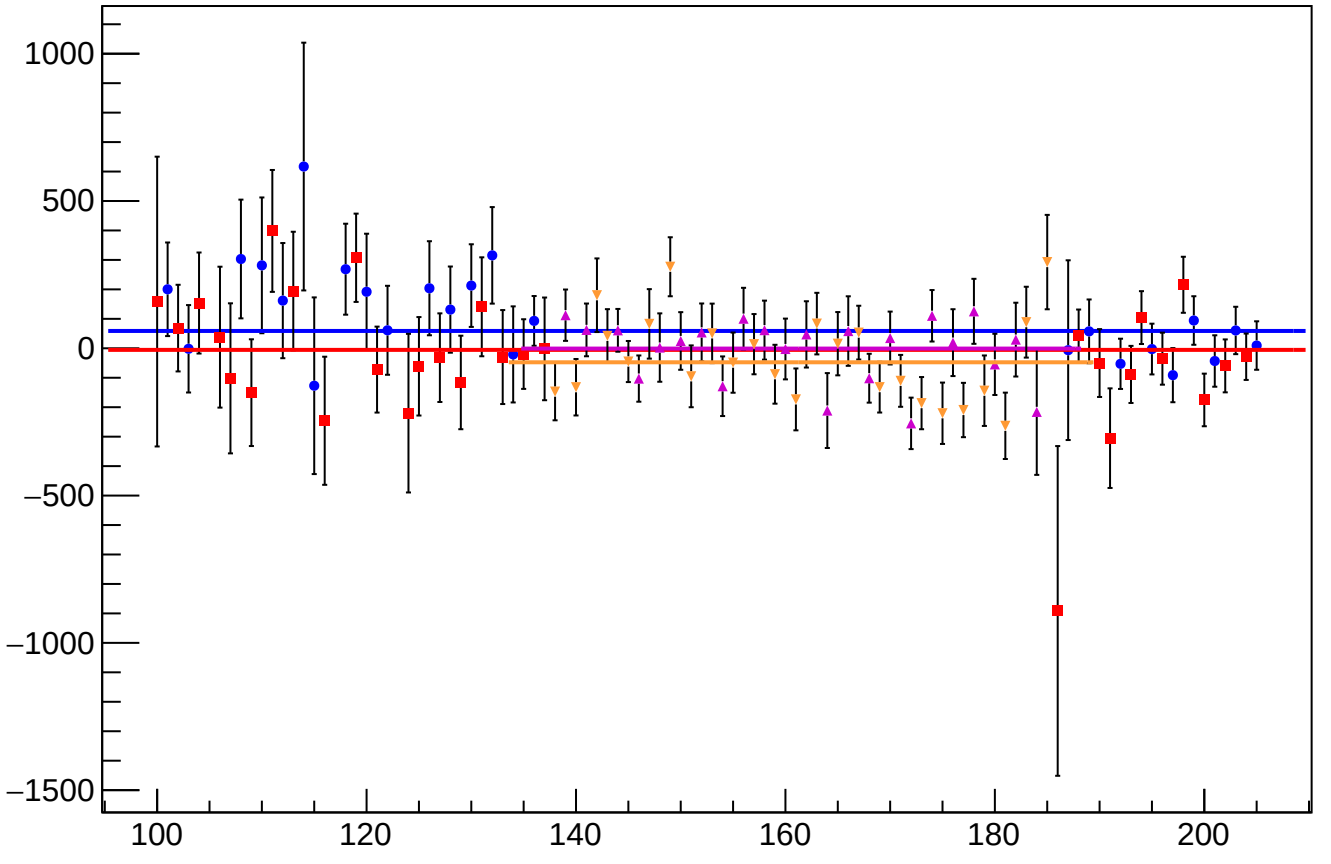
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 637.190+/-0.086 χ^2/NDF: 3316149.5/54

In: 534.233+/-0.068 χ^2/NDF:2915274.7/47

Out: 532.381+/-0.066 χ^2/NDF:3971260.9/54

All: 533.278+/-0.047 χ^2/NDF: 6886916.7/102



Right In: 58.858+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -5.407+/-23.972 χ^2/NDF: 32.6/29

Left In: -0.988+/-20.604 χ^2/NDF:25.5/22

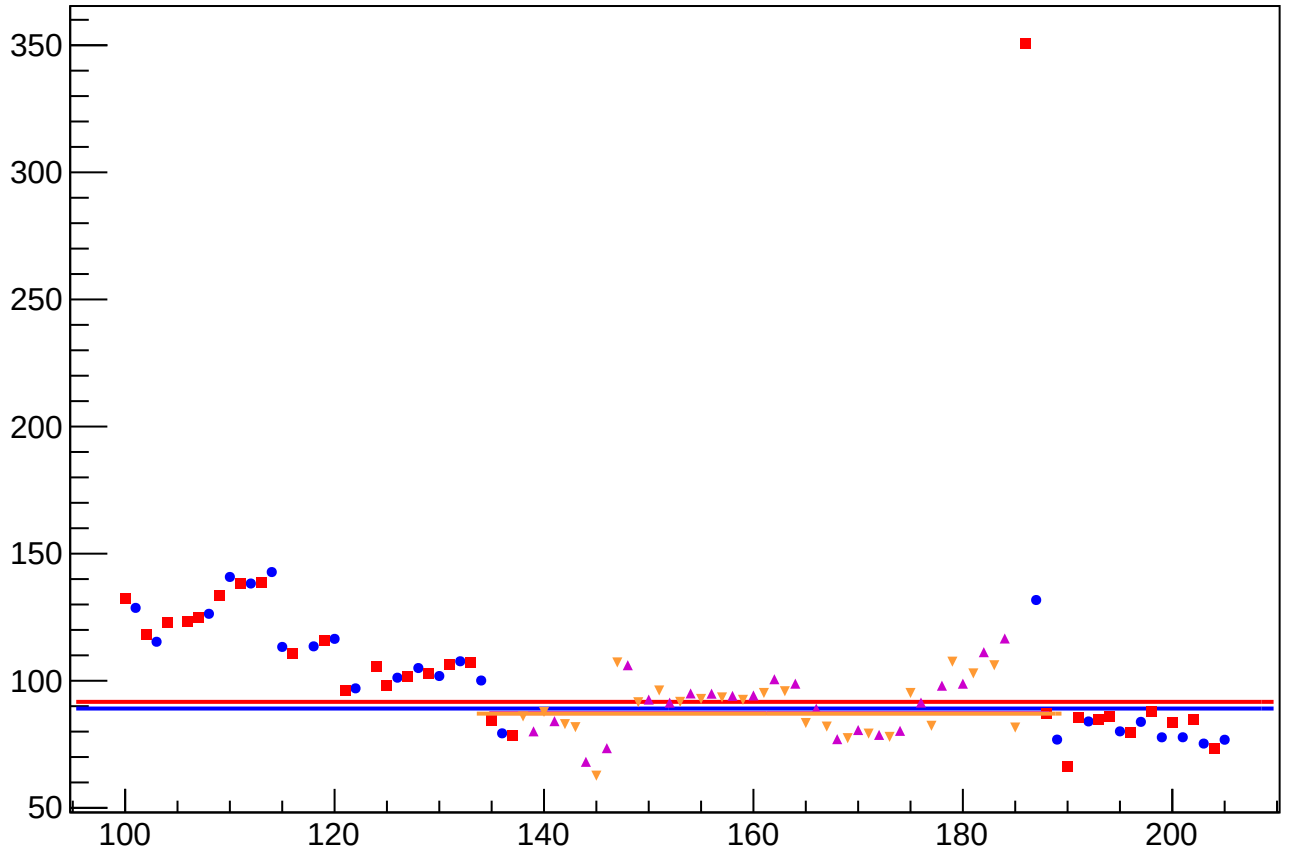
Left: -24.971+/-14.345 χ^2/NDF: 72.1/47

Right: 26.375+/-17.043 χ^2/NDF: 56.2/54

In: 24.120+/-15.698 χ^2/NDF:49.1/47

Out: -30.261+/-15.349 χ^2/NDF:78.4/54

All: -3.680+/-10.975 χ^2/NDF: 133.6/102



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.7/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

Right Out: 91.705+/-0.017 χ^2/NDF: 1415412.9/29

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

Left: 87.161+/-0.010 χ^2/NDF: 1216502.6/47

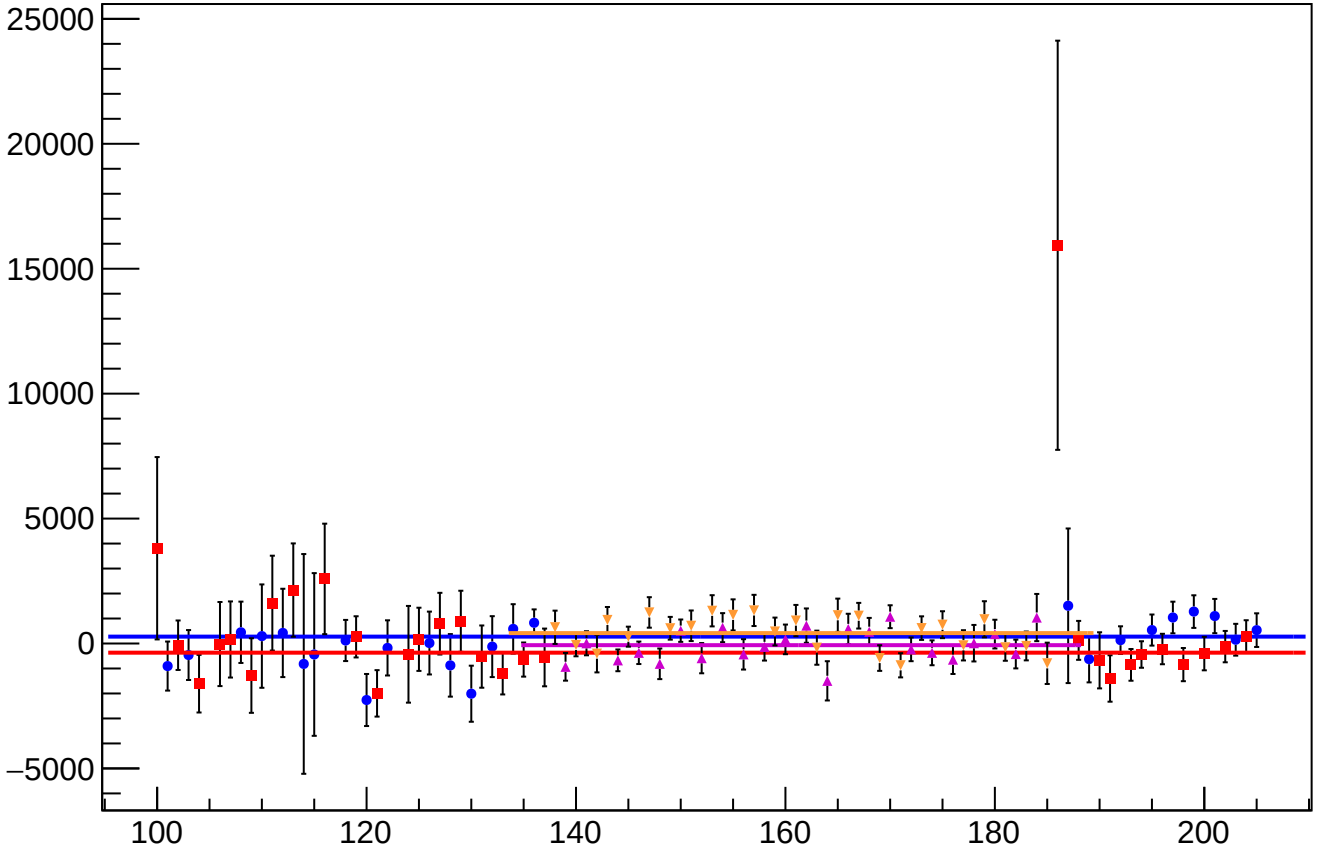
Right: 90.403+/-0.012 χ^2/NDF: 2438211.1/54

In: 88.018+/-0.011 χ^2/NDF:1613186.0/47

Out: 88.971+/-0.011 χ^2/NDF:2080112.2/54

All: 88.505+/-0.008 χ^2/NDF: 3697064.0/102

asym_sam_26_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: -367.208+/-168.128 χ^2/NDF: 22.7/29

Left In: -66.674+/-115.419 χ^2/NDF:27.5/22

Left: 181.409+/-80.501 χ^2/NDF: 68.9/47

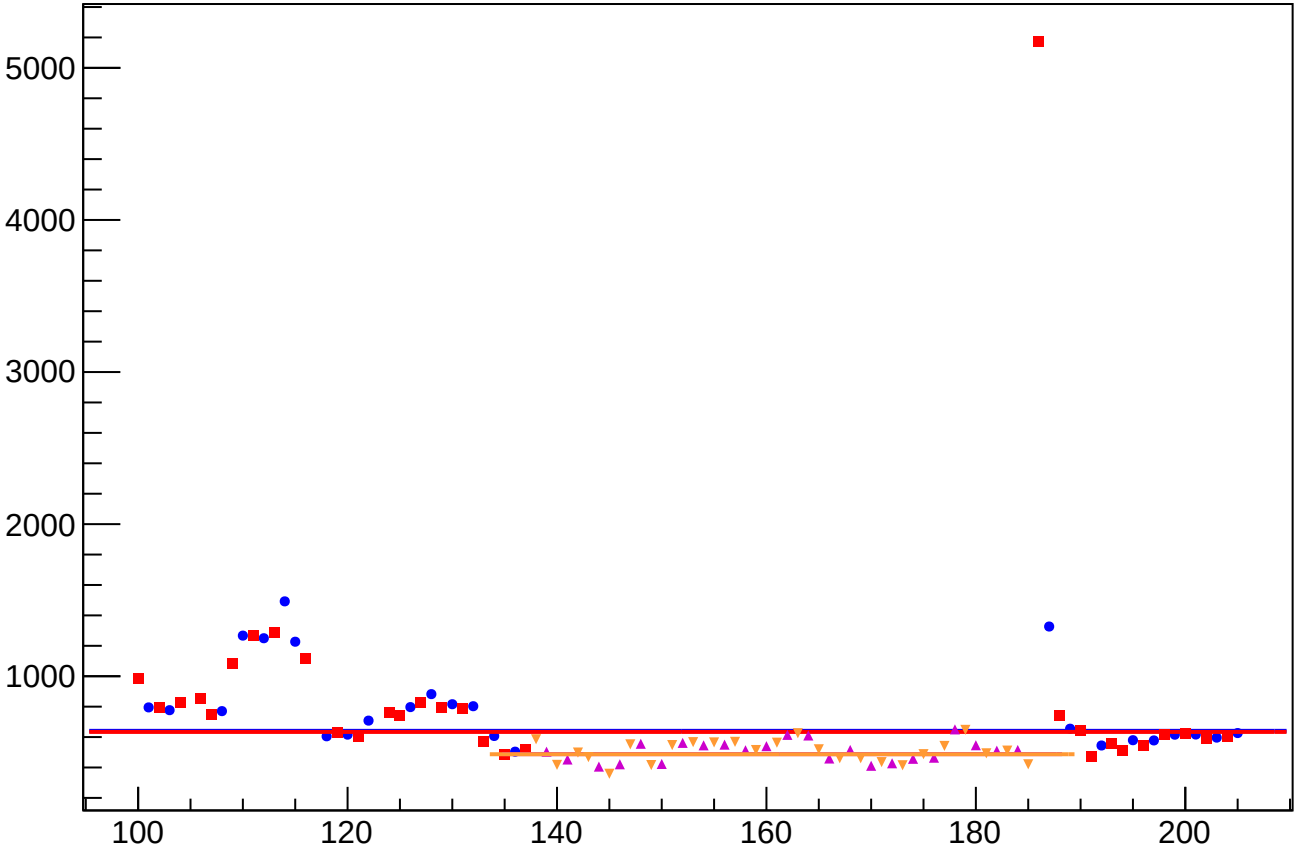
Right: -59.028+/-121.277 χ^2/NDF: 51.1/54

In: 36.891+/-96.368 χ^2/NDF:51.5/47

Out: 174.555+/-93.405 χ^2/NDF:70.2/54

All: 107.872+/-67.070 χ^2/NDF: 122.7/102

asym_sam_26_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 640.812+/-0.124 χ^2/NDF: 1218226.8/24

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 633.851+/-0.119 χ^2/NDF: 2096277.9/29

Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

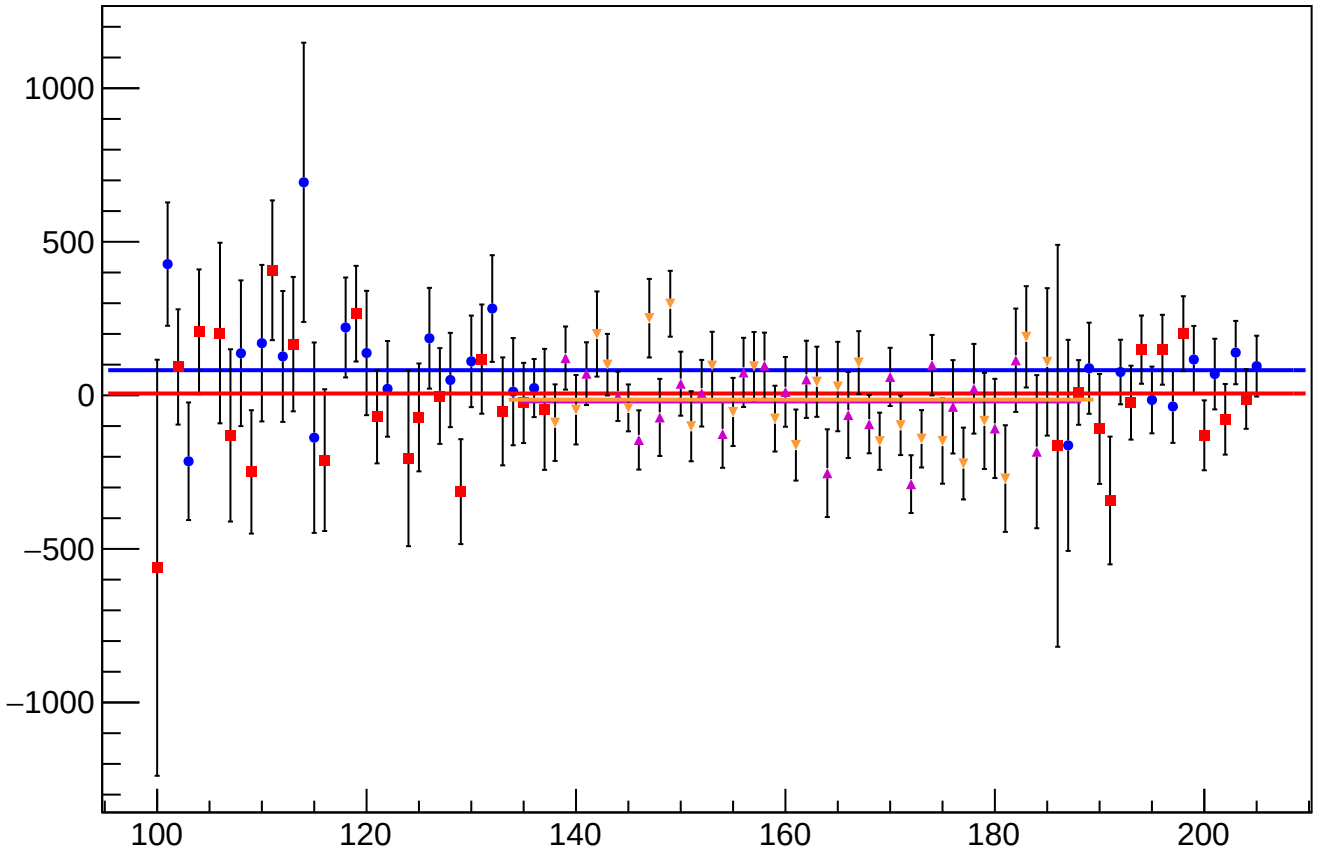
Left: 487.494+/-0.057 χ^2/NDF: 1455590.6/47

Right: 637.190+/-0.086 χ^2/NDF: 3316149.5/54

In: 534.233+/-0.068 χ^2/NDF:2915274.7/47

Out: 532.381+/-0.066 χ^2/NDF:3971260.9/54

All: 533.278+/-0.047 χ^2/NDF: 6886916.7/102



Right In: 81.920+/-29.065 χ^2/NDF: 13.9/24

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 6.100+/-28.674 χ^2/NDF: 27.8/29

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

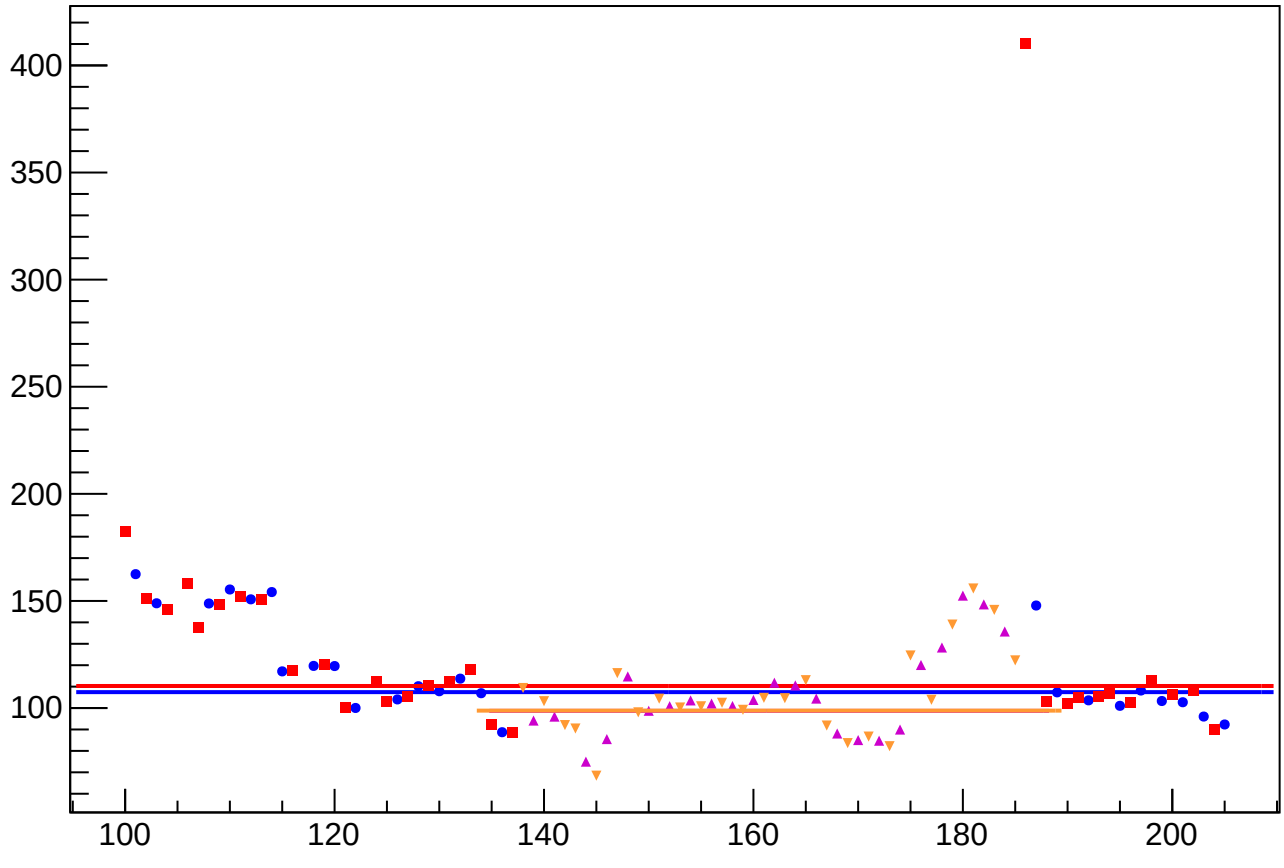
Left: -16.771+/-16.431 χ^2/NDF: 59.7/47

Right: 43.497+/-20.412 χ^2/NDF: 45.1/54

In: 20.555+/-18.307 χ^2/NDF:44.6/47

Out: -6.107+/-17.902 χ^2/NDF:64.4/54

All: 6.925+/-12.799 χ^2/NDF: 110.2/102



Right In: 107.432+/-0.021 χ^2/NDF: 701736.6/24

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 110.301+/-0.020 χ^2/NDF: 1091950.5/29

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

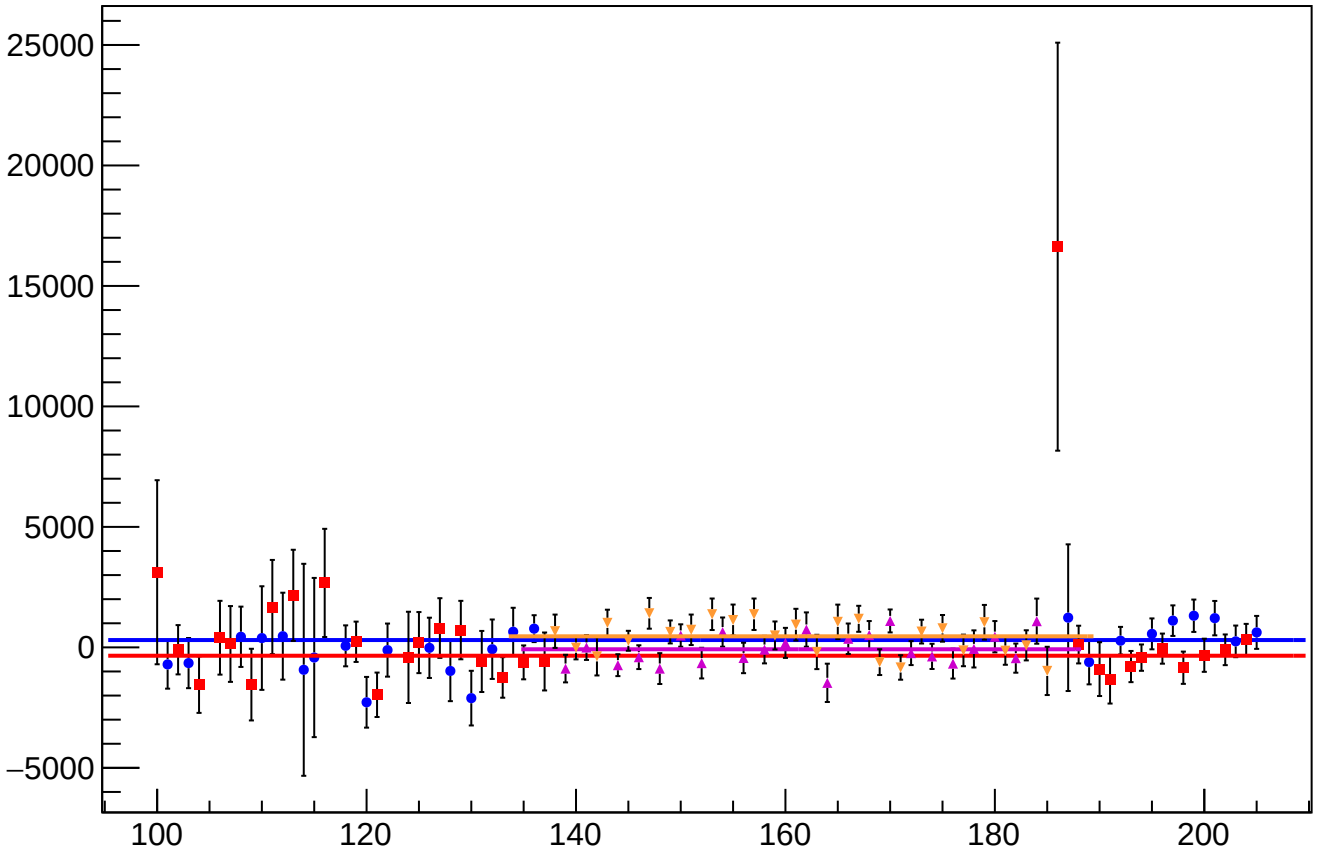
Left: 98.738+/-0.012 χ^2/NDF: 2173652.3/47

Right: 108.886+/-0.014 χ^2/NDF: 1803559.2/54

In: 102.148+/-0.013 χ^2/NDF:1799142.3/47

Out: 103.282+/-0.013 χ^2/NDF:2474146.0/54

All: 102.728+/-0.009 χ^2/NDF: 4277208.8/102



Right In: 304.092+/-179.196 χ^2/NDF: 21.8/24

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: -346.874+/-170.869 χ^2/NDF: 22.4/29

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

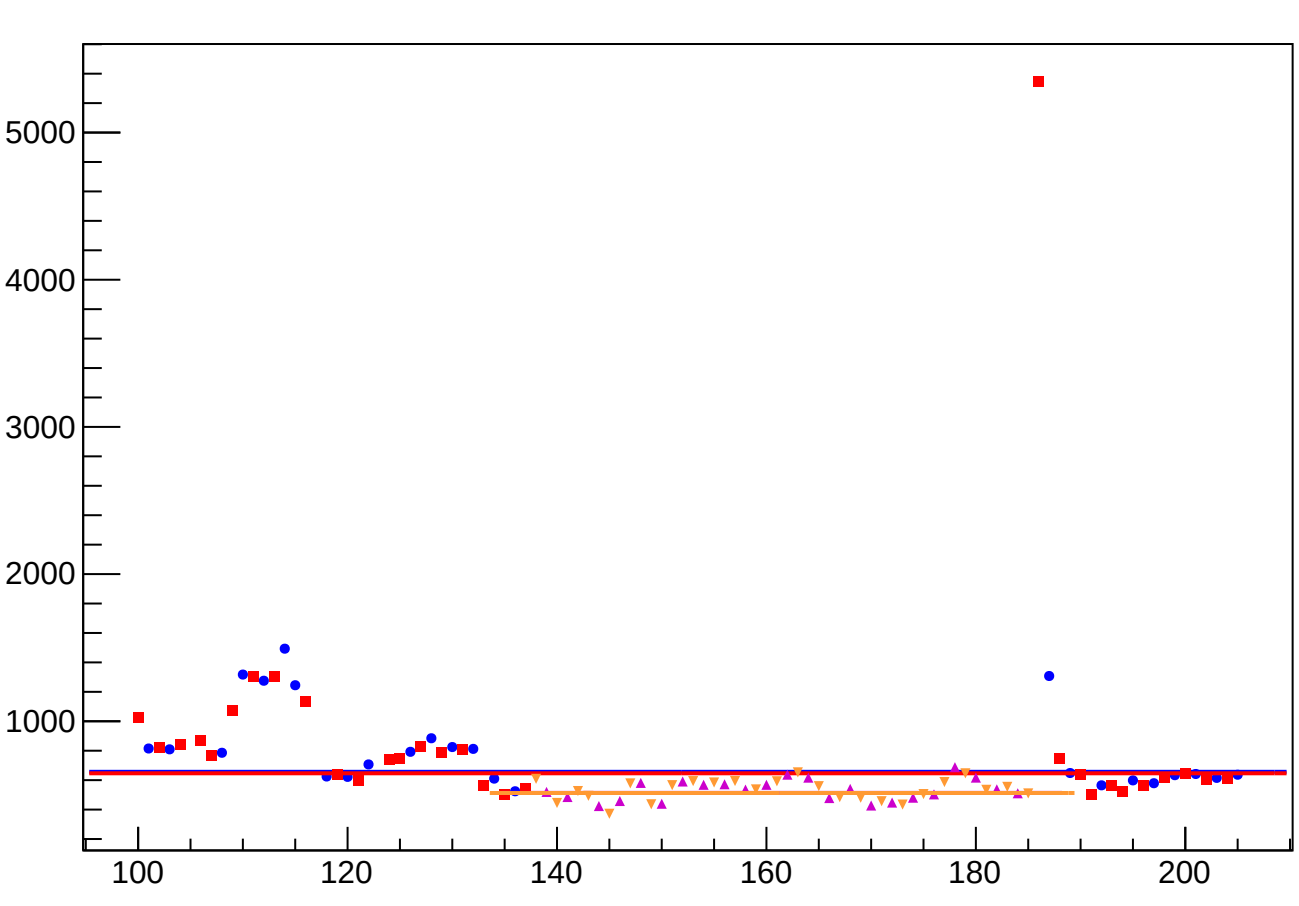
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -36.866+/-123.662 χ^2/NDF: 51.1/54

In: 41.708+/-100.528 χ^2/NDF:51.1/47

Out: 198.505+/-97.159 χ^2/NDF:68.2/54

All: 122.778+/-69.862 χ^2/NDF: 120.6/102



Right In: 656.609+/-0.127 χ^2/NDF: 1167585.9/24

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 646.537+/-0.121 χ^2/NDF: 2045196.5/29

Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

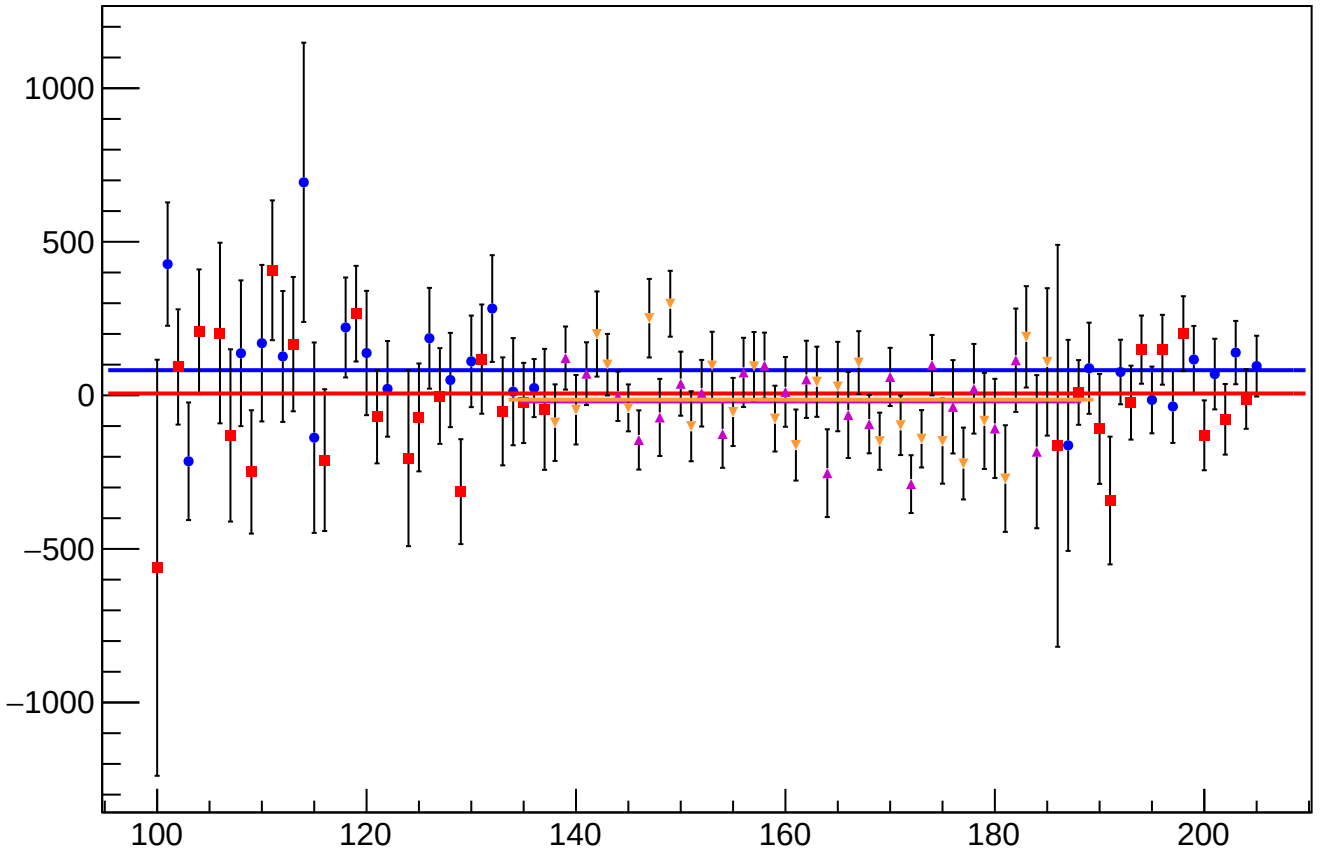
Left: 513.063+/-0.060 χ^2/NDF: 1433265.3/47

Right: 651.334+/-0.087 χ^2/NDF: 3216091.7/54

In: 558.452+/-0.071 χ^2/NDF:2677262.4/47

Out: 556.019+/-0.069 χ^2/NDF:3673896.9/54

All: 557.194+/-0.049 χ^2/NDF: 6351765.3/102



Right In: 81.919+/-29.065 χ^2/NDF: 13.9/24

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 6.101+/-28.674 χ^2/NDF: 27.8/29

Left In: -19.805+/-23.571 χ^2/NDF:23.3/22

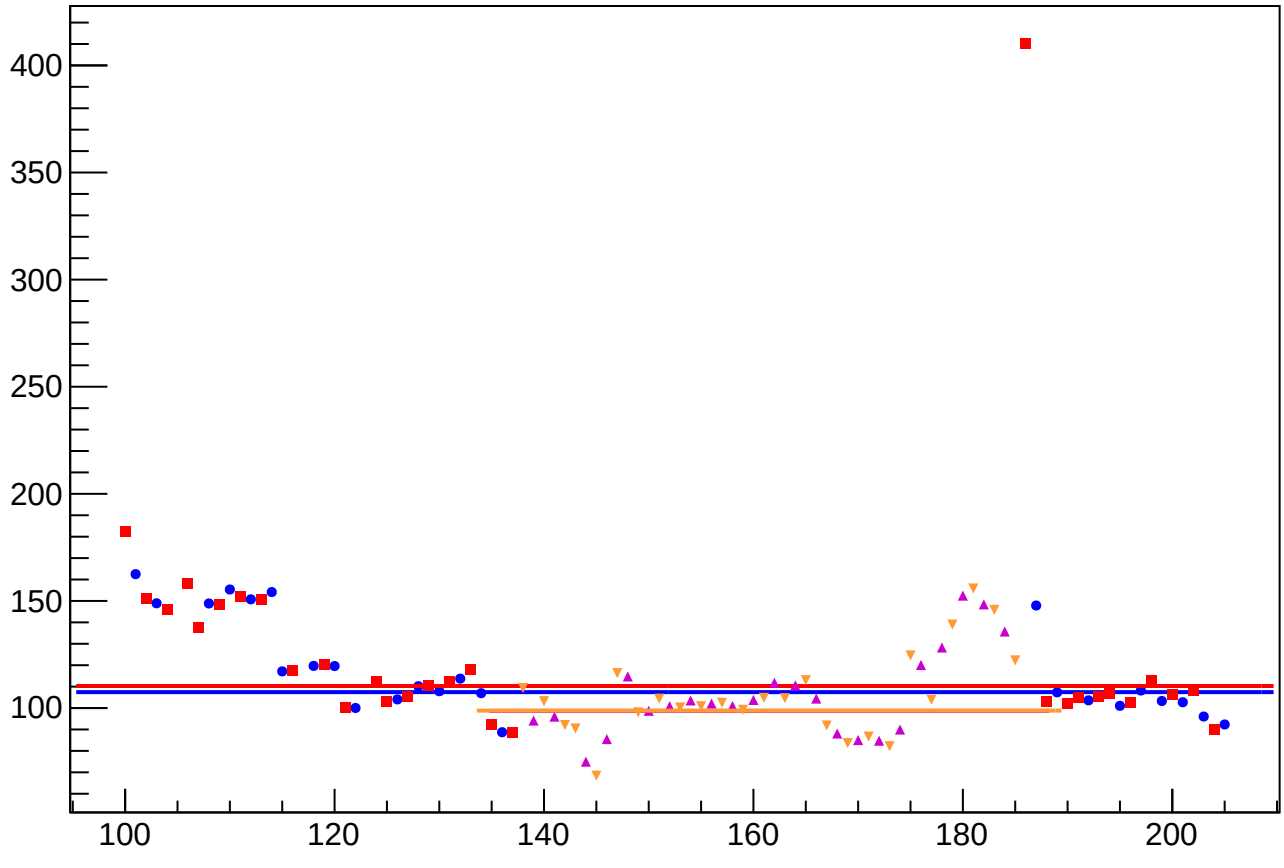
Left: -16.773+/-16.431 χ^2/NDF: 59.7/47

Right: 43.497+/-20.412 χ^2/NDF: 45.1/54

In: 20.554+/-18.307 χ^2/NDF:44.6/47

Out: -6.108+/-17.902 χ^2/NDF:64.4/54

All: 6.924+/-12.799 χ^2/NDF: 110.2/102



Right In: 107.433+/-0.021 χ^2/NDF: 701726.0/24

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

Right Out: 110.301+/-0.020 χ^2/NDF: 1091937.2/29

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

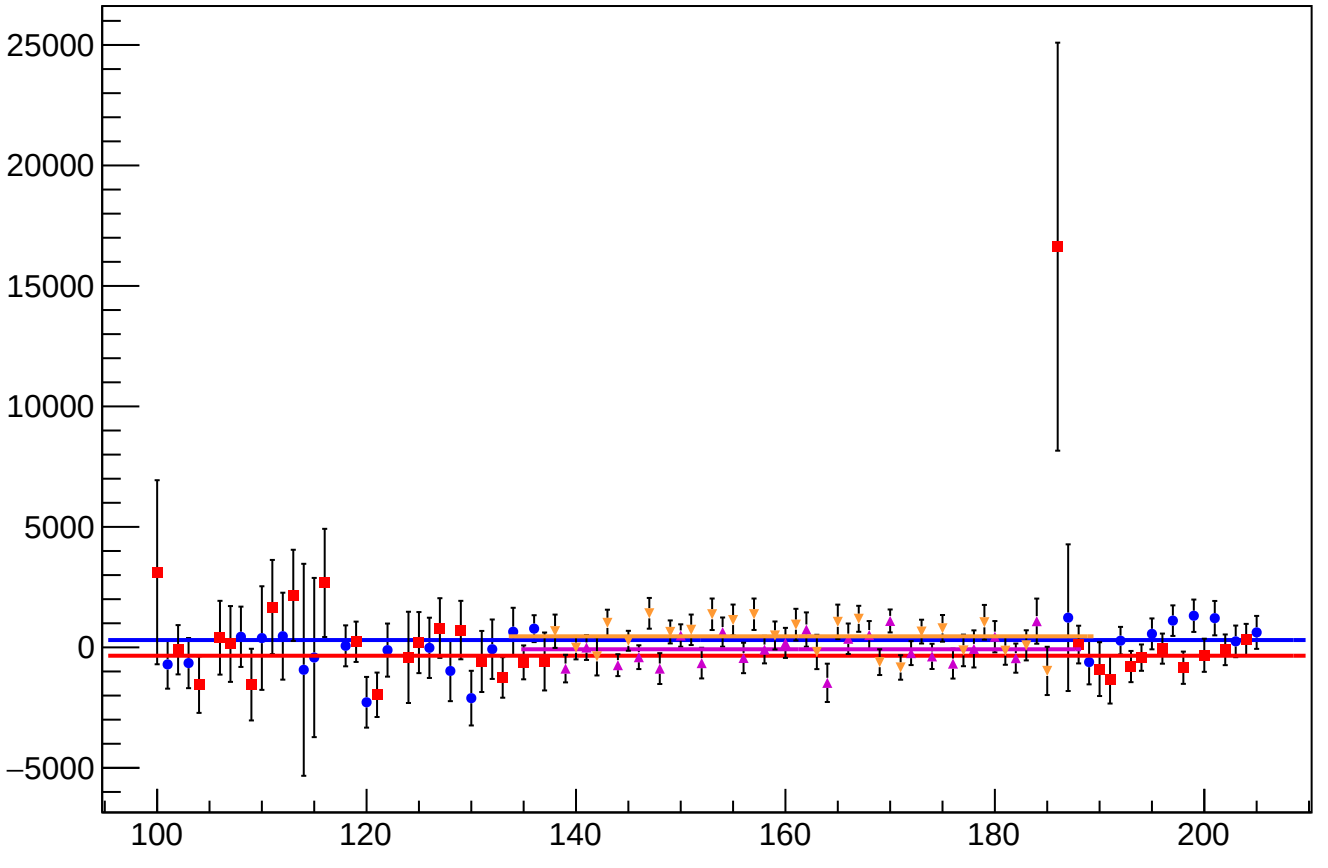
Left: 98.737+/-0.012 χ^2/NDF: 2173647.6/47

Right: 108.886+/-0.014 χ^2/NDF: 1803535.3/54

In: 102.148+/-0.013 χ^2/NDF:1799125.6/47

Out: 103.282+/-0.013 χ^2/NDF:2474141.1/54

All: 102.728+/-0.009 χ^2/NDF: 4277186.9/102



Right In: 304.092+/-179.195 χ^2/NDF: 21.8/24

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: -346.873+/-170.869 χ^2/NDF: 22.4/29

Left In: -78.791+/-121.436 χ^2/NDF:26.2/22

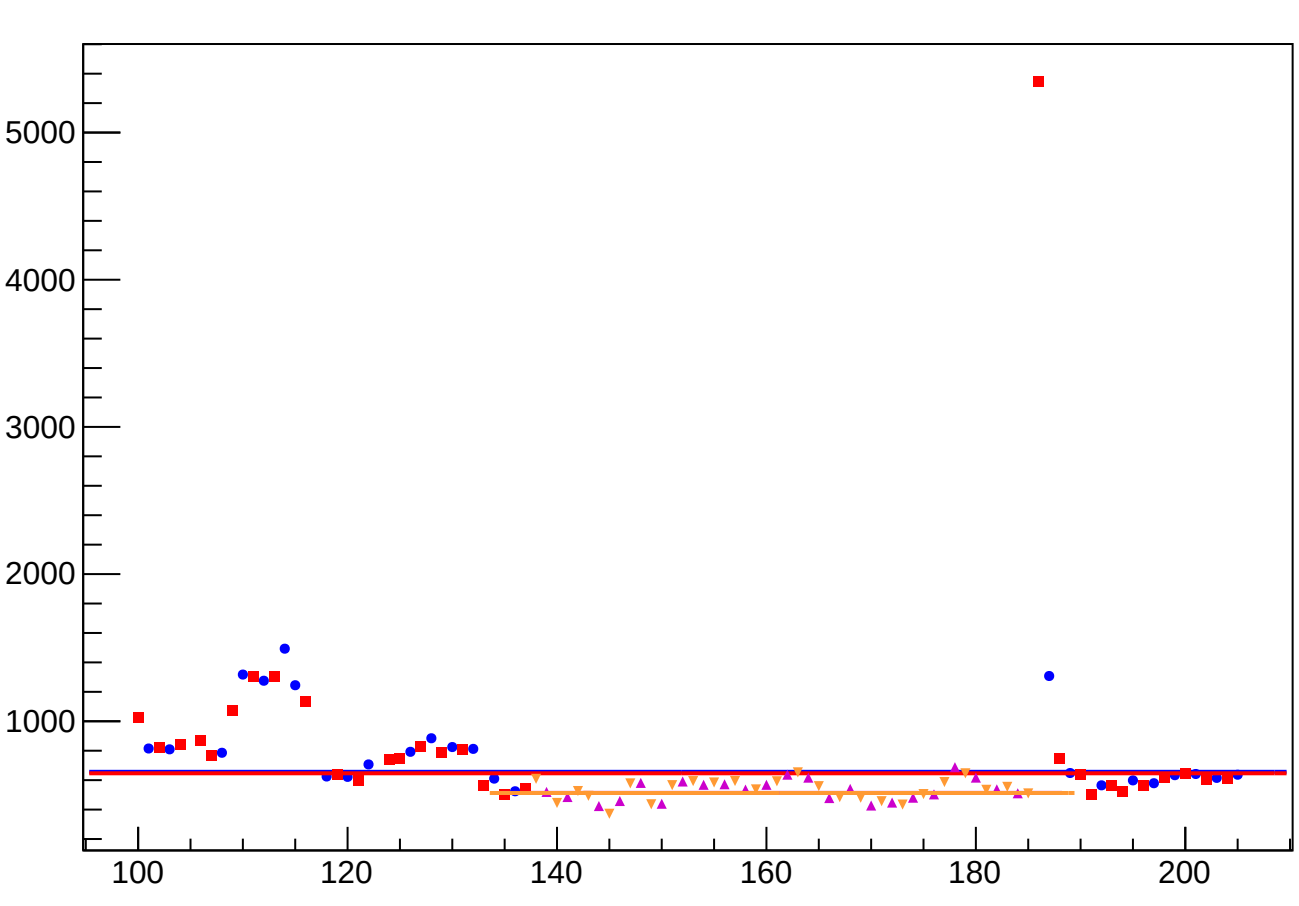
Left: 197.616+/-84.668 χ^2/NDF: 67.1/47

Right: -36.866+/-123.661 χ^2/NDF: 51.1/54

In: 41.708+/-100.528 χ^2/NDF:51.1/47

Out: 198.504+/-97.159 χ^2/NDF:68.2/54

All: 122.777+/-69.862 χ^2/NDF: 120.6/102



Right In: 656.608+/-0.127 χ^2/NDF: 1167584.8/24

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 646.536+/-0.121 χ^2/NDF: 2045194.4/29

Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

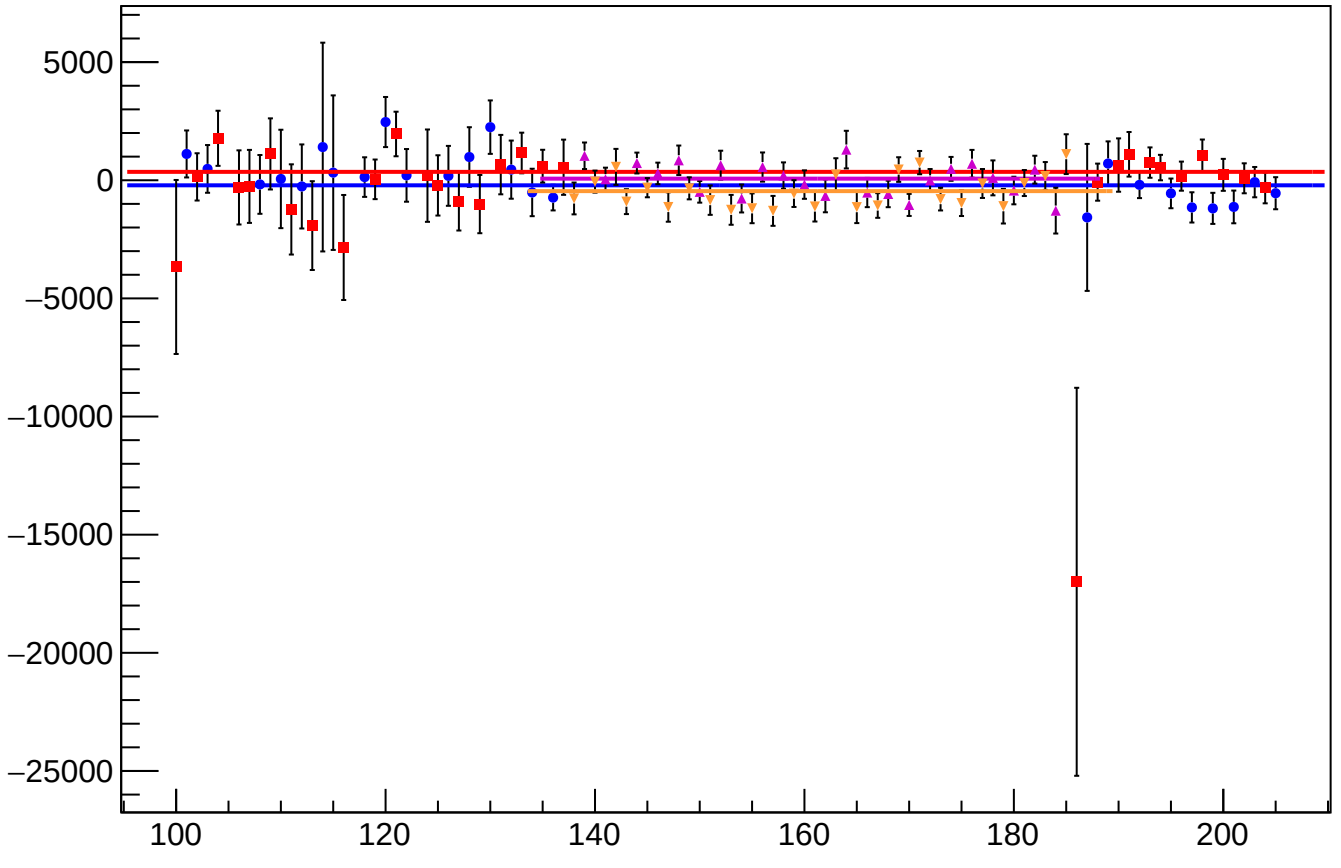
Left: 513.063+/-0.060 χ^2/NDF: 1433262.5/47

Right: 651.333+/-0.087 χ^2/NDF: 3216088.7/54

In: 558.452+/-0.071 χ^2/NDF:2677250.0/47

Out: 556.019+/-0.069 χ^2/NDF:3673882.5/54

All: 557.194+/-0.049 χ^2/NDF: 6351738.5/102



Right In: -213.994+/-176.988 χ^2/NDF: 24.0/24

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: 355.417+/-169.906 χ^2/NDF: 22.5/29

Left In: 68.043+/-117.366 χ^2/NDF:28.6/22

Left: -203.051+/-81.860 χ^2/NDF: 69.8/47

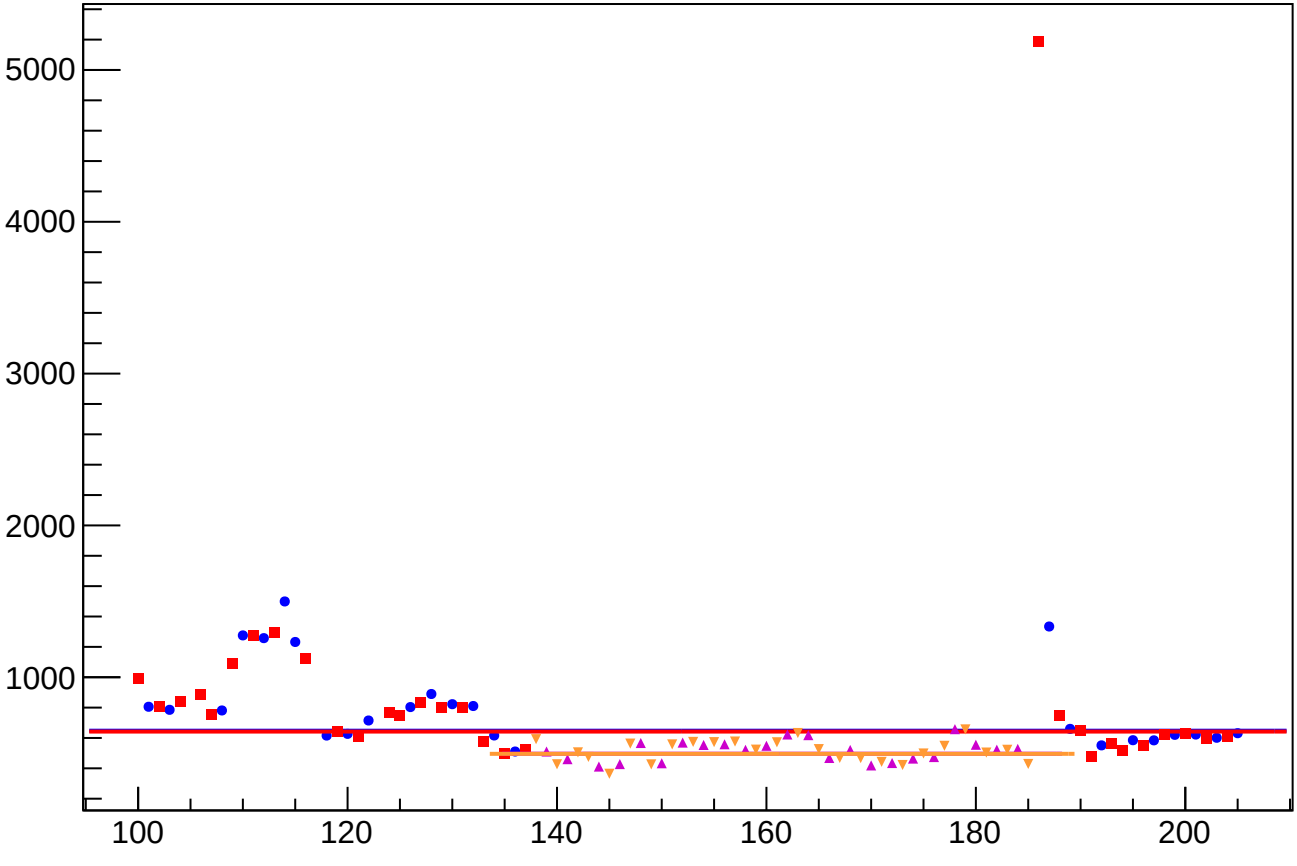
Right: 82.332+/-122.569 χ^2/NDF: 51.8/54

In: -18.100+/-97.814 χ^2/NDF:54.3/47

Out: -206.060+/-94.799 χ^2/NDF:69.2/54

All: -115.021+/-68.074 χ^2/NDF: 125.4/102

asym_sam_26_48_dd_rms vs Slug, Sign Corrected



Right In: 647.875+/-0.125 χ^2/NDF: 1206588.0/24

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

Right Out: 642.169+/-0.120 χ^2/NDF: 2088765.1/29

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

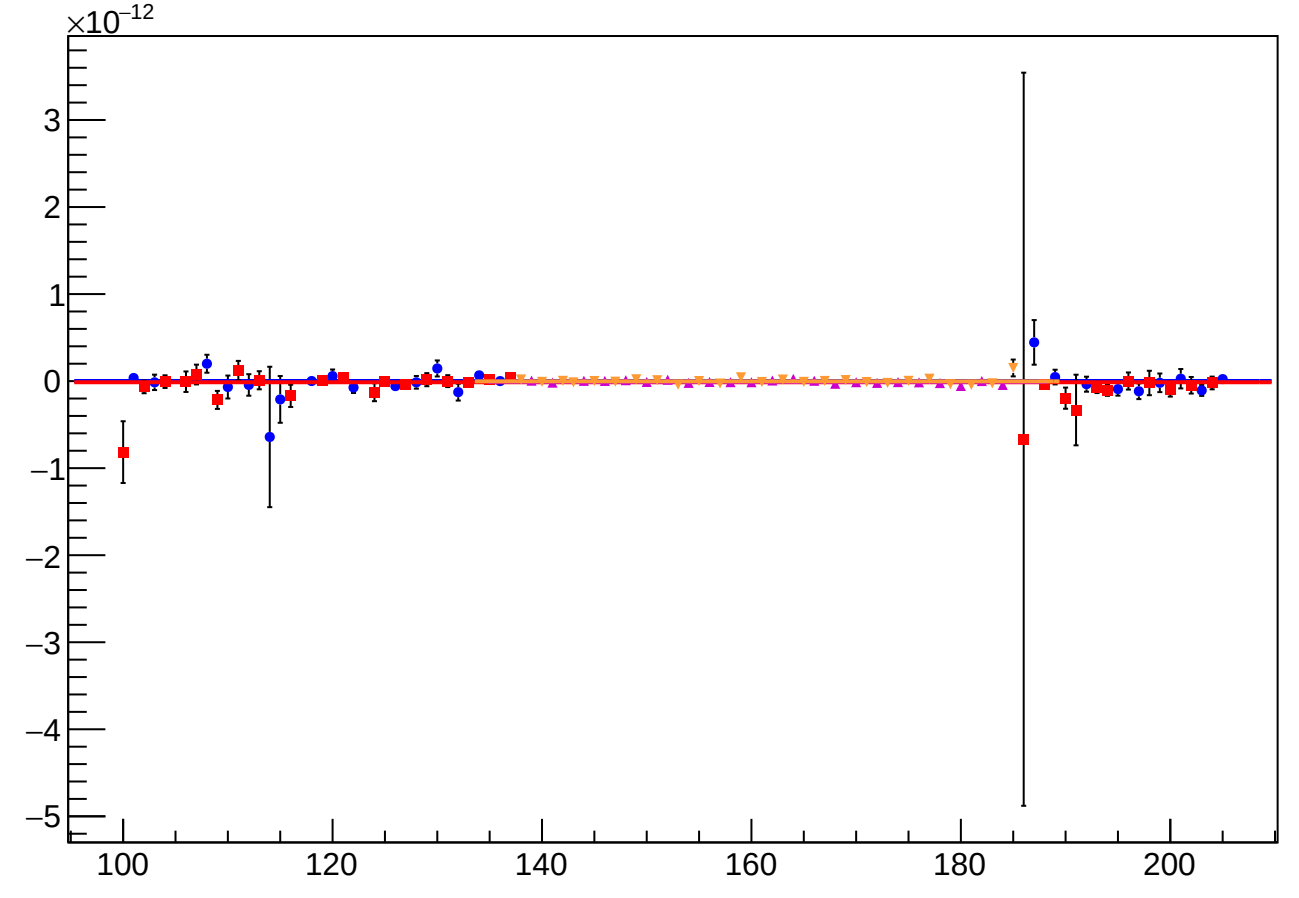
Left: 495.900+/-0.058 χ^2/NDF: 1427062.5/47

Right: 644.906+/-0.087 χ^2/NDF: 3296434.6/54

In: 542.601+/-0.069 χ^2/NDF:2847696.0/47

Out: 541.169+/-0.067 χ^2/NDF:3919629.9/54

All: 541.862+/-0.048 χ^2/NDF: 6767546.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 25.4/29

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

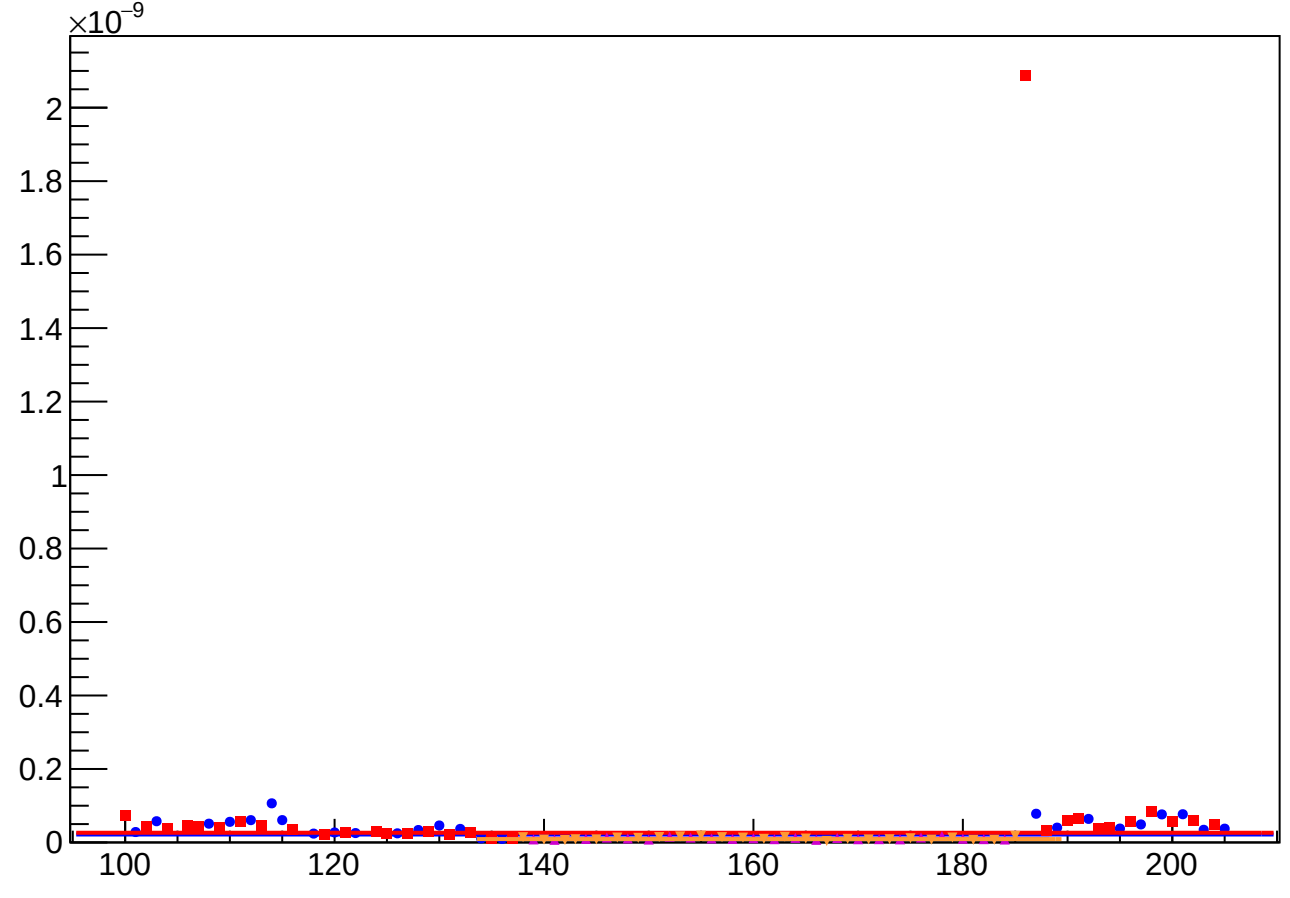
Left: -0.000+/-0.000 χ^2/NDF: 41.8/47

Right: -0.000+/-0.000 χ^2/NDF: 53.7/54

In: -0.000+/-0.000 χ^2/NDF:43.7/47

Out: -0.000+/-0.000 χ^2/NDF:51.3/54

All: -0.000+/-0.000 χ^2/NDF: 95.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 4861191.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4025123.5/29

Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

Left: 0.000+/-0.000 χ^2/NDF: 2476959.3/47

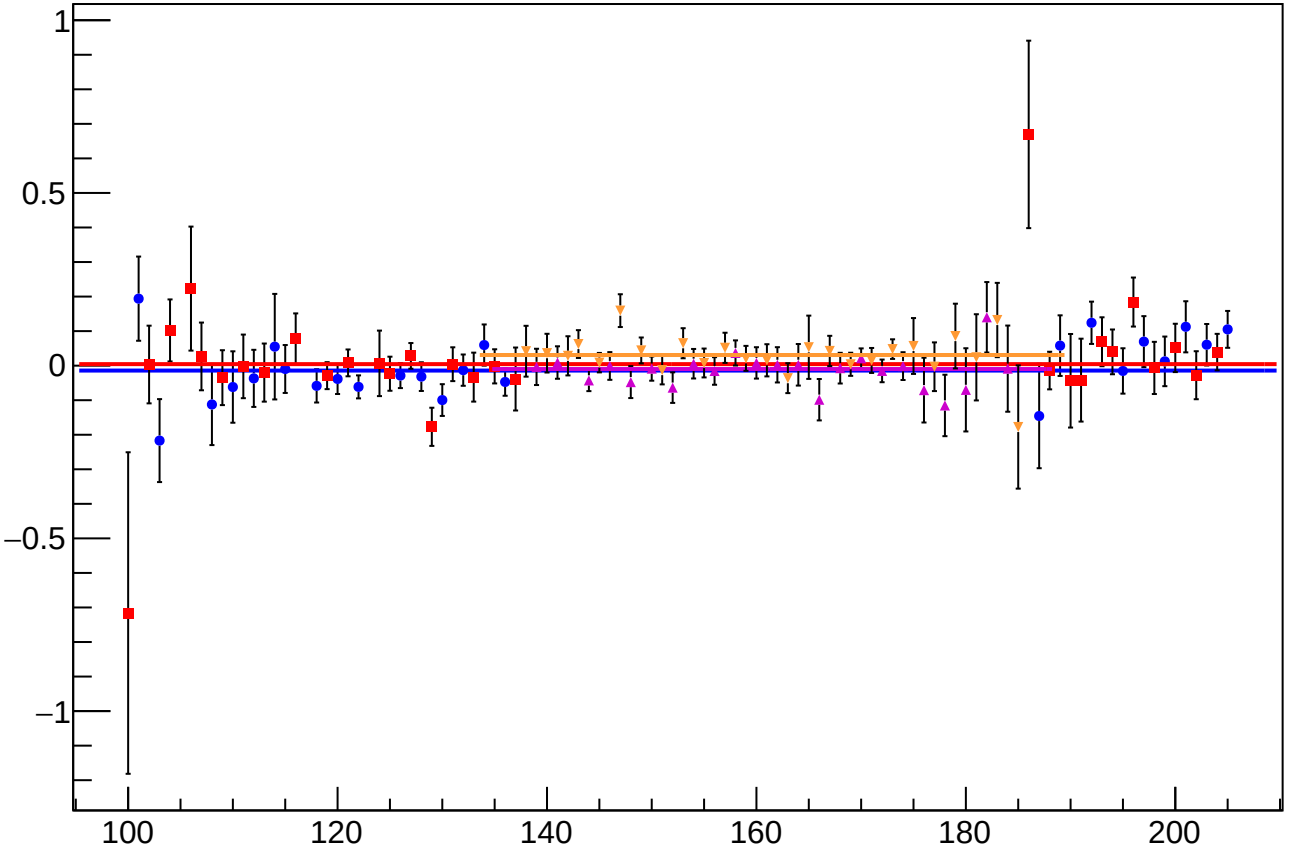
Right: 0.000+/-0.000 χ^2/NDF: 9064040.5/54

In: 0.000+/-0.000 χ^2/NDF:7696740.9/47

Out: 0.000+/-0.000 χ^2/NDF:9659016.3/54

All: 0.000+/-0.000 χ^2/NDF: 17374450.9/102

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

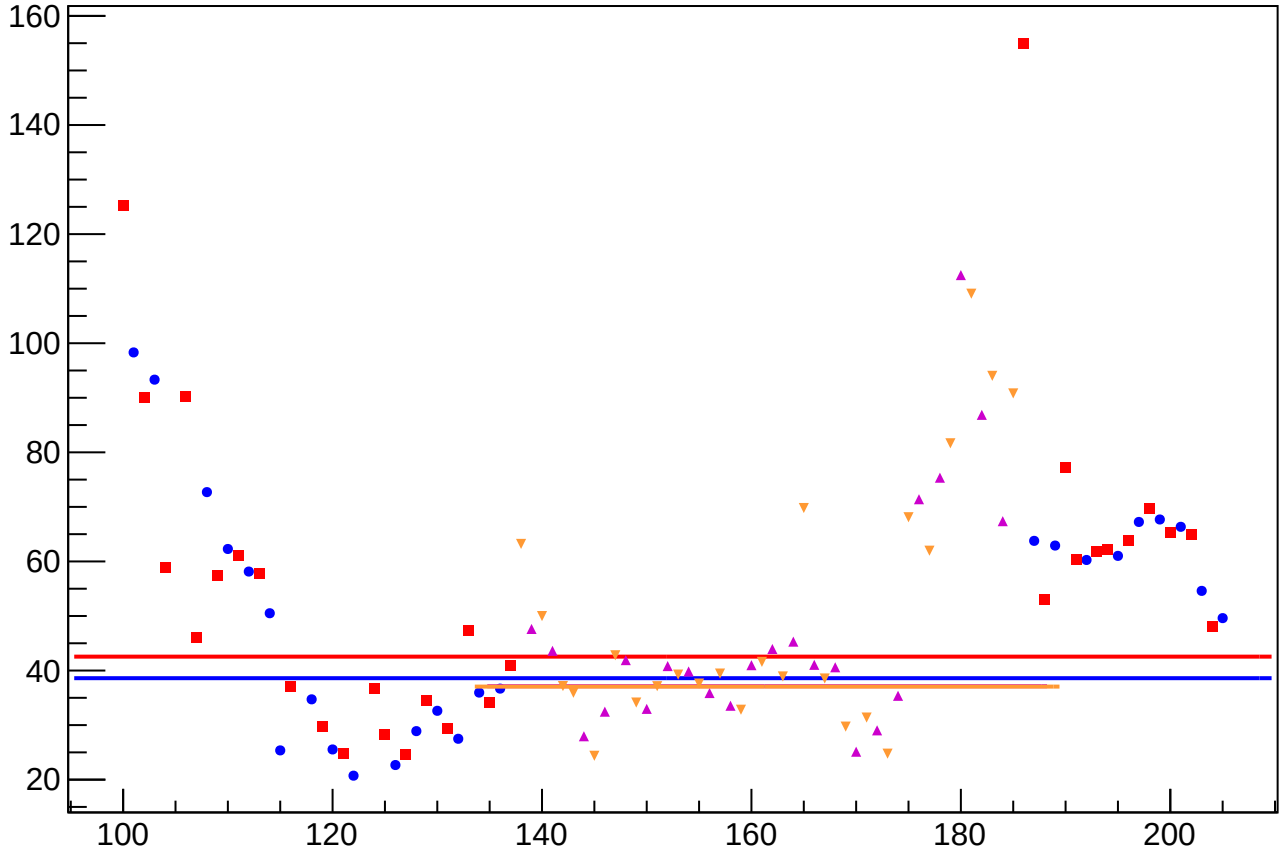
Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

Right: -0.005+/-0.008 χ^2/NDF: 69.1/54

In: -0.012+/-0.007 χ^2/NDF:46.9/47

Out: 0.021+/-0.007 χ^2/NDF:55.2/54

All: 0.005+/-0.005 χ^2/NDF: 112.2/102



Right In: 38.600+/-0.008 χ^2/NDF: 4623553.5/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 42.550+/-0.008 χ^2/NDF: 4192220.7/29

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

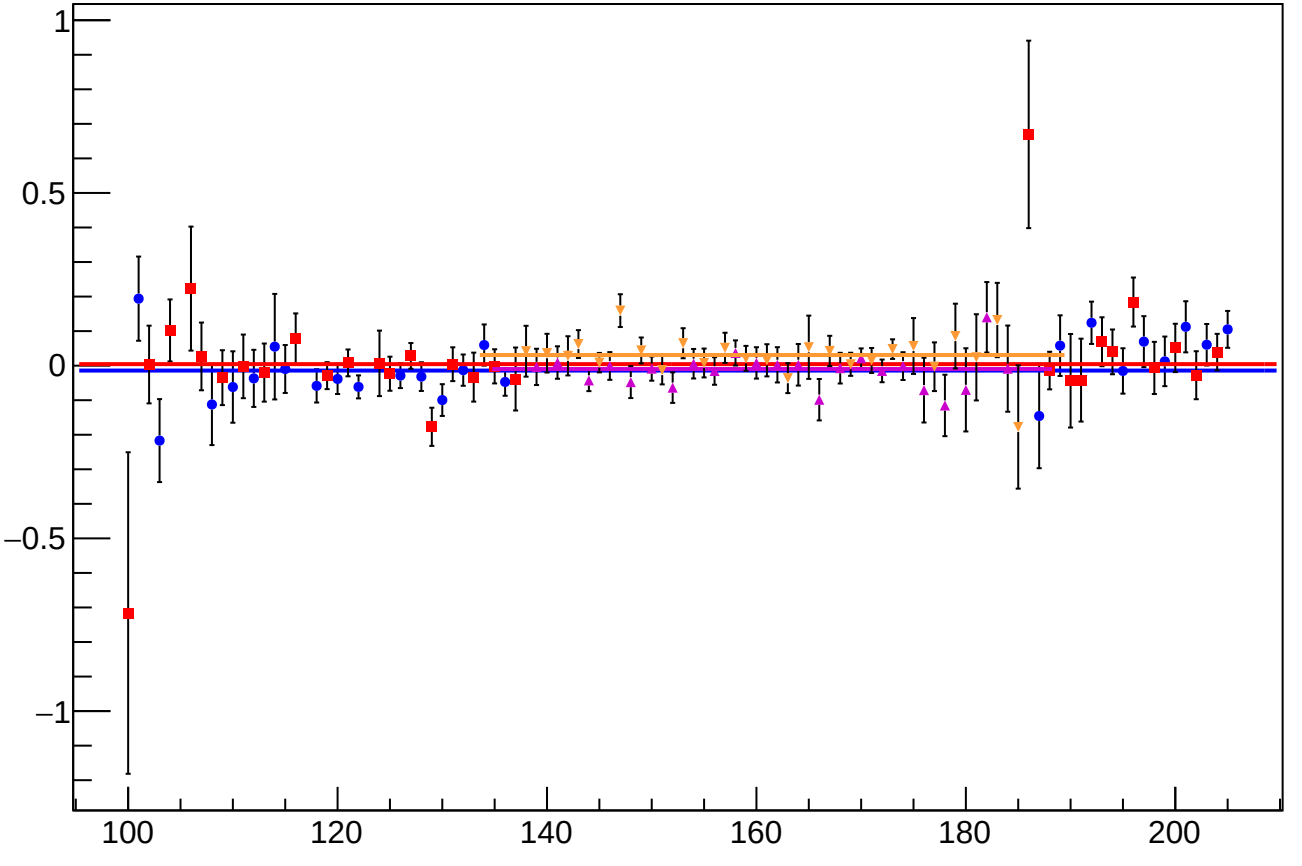
Right: 40.495+/-0.006 χ^2/NDF: 8930054.9/54

In: 37.718+/-0.005 χ^2/NDF:7656167.6/47

Out: 39.087+/-0.005 χ^2/NDF:8513655.9/54

All: 38.403+/-0.004 χ^2/NDF: 16205493.6/102

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

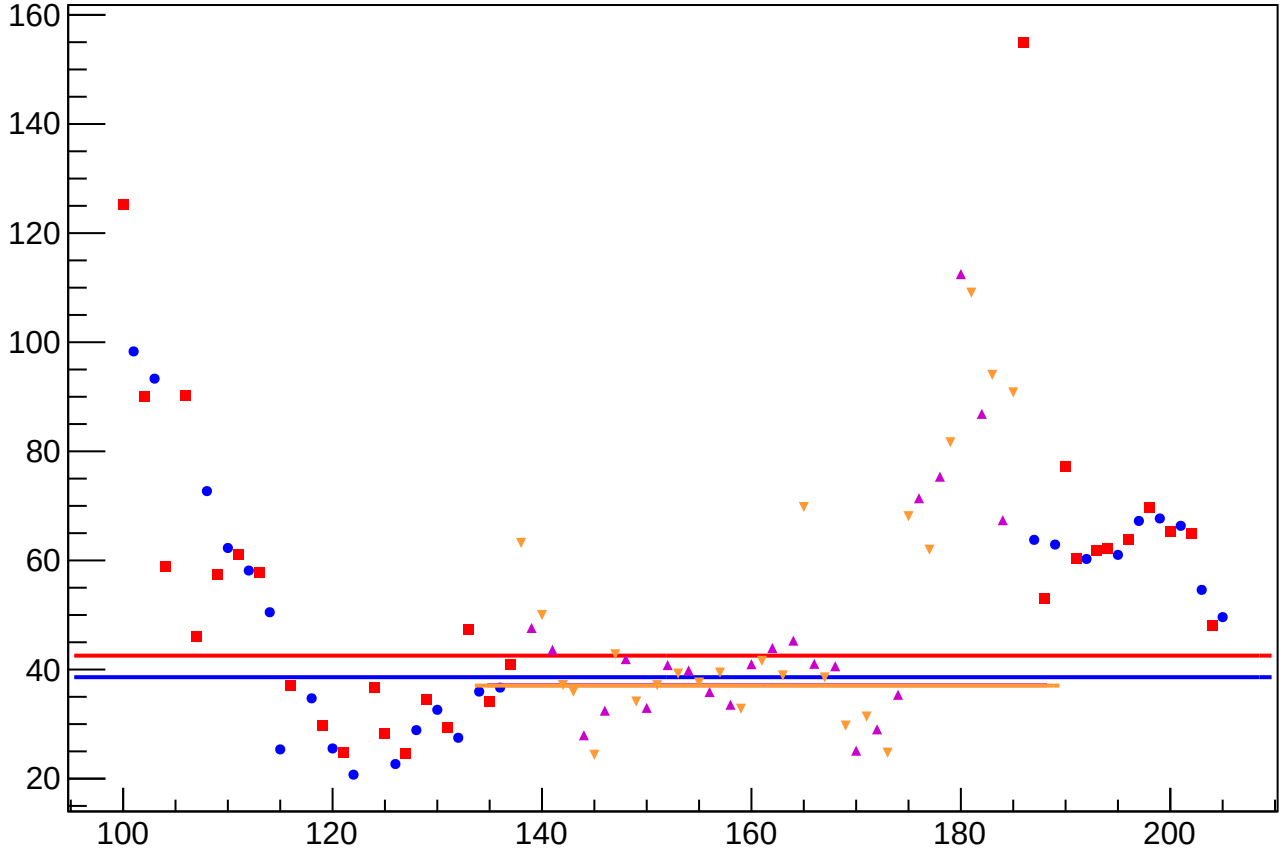
Right: -0.005+/-0.008 χ^2/NDF: 69.1/54

In: -0.012+/-0.007 χ^2/NDF:46.9/47

Out: 0.021+/-0.007 χ^2/NDF:55.2/54

All: 0.005+/-0.005 χ^2/NDF: 112.2/102

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.600+/-0.008 χ^2/NDF: 4623553.5/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

Right Out: 42.550+/-0.008 χ^2/NDF: 4192220.7/29

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

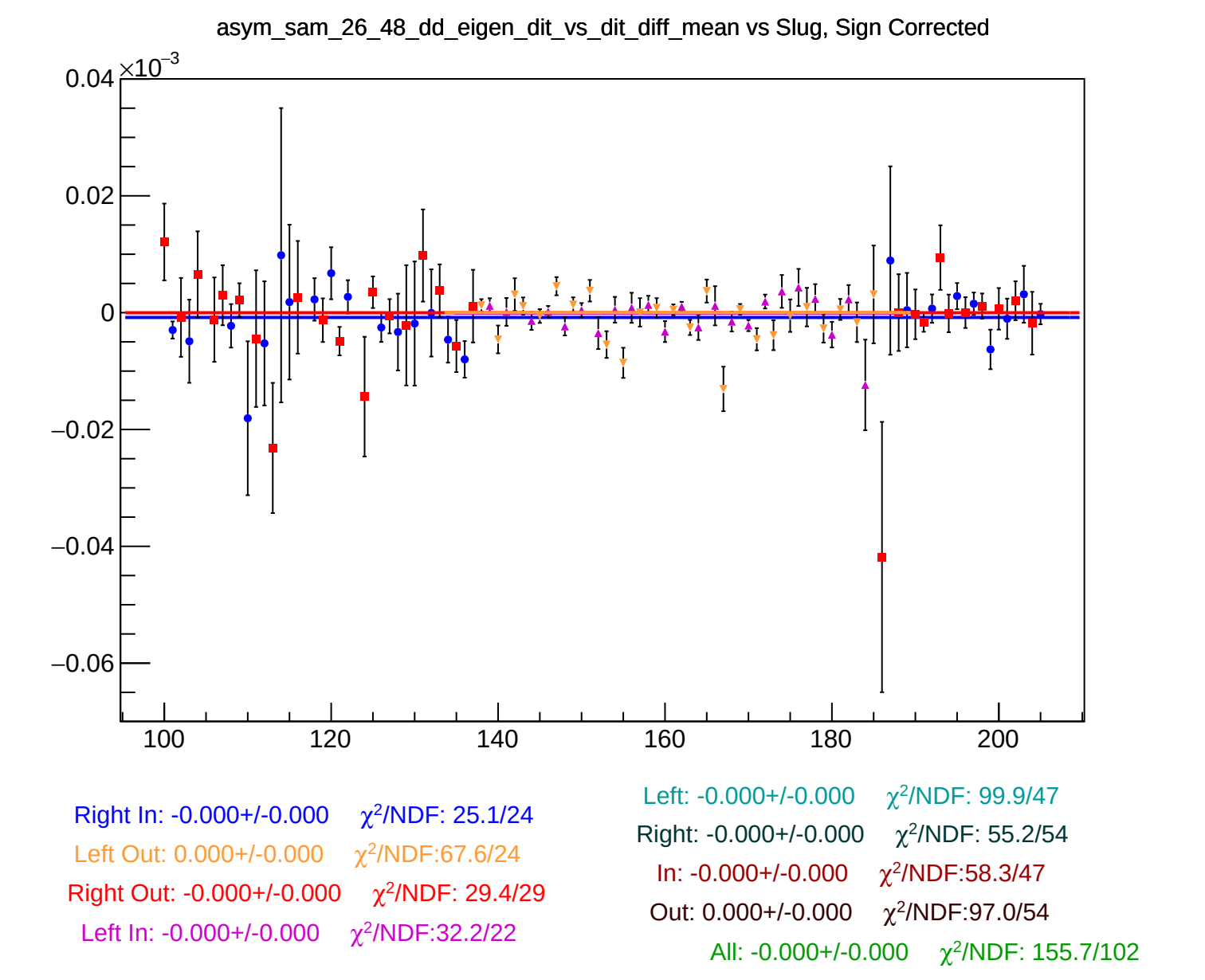
Left: 37.091+/-0.005 χ^2/NDF: 7066571.4/47

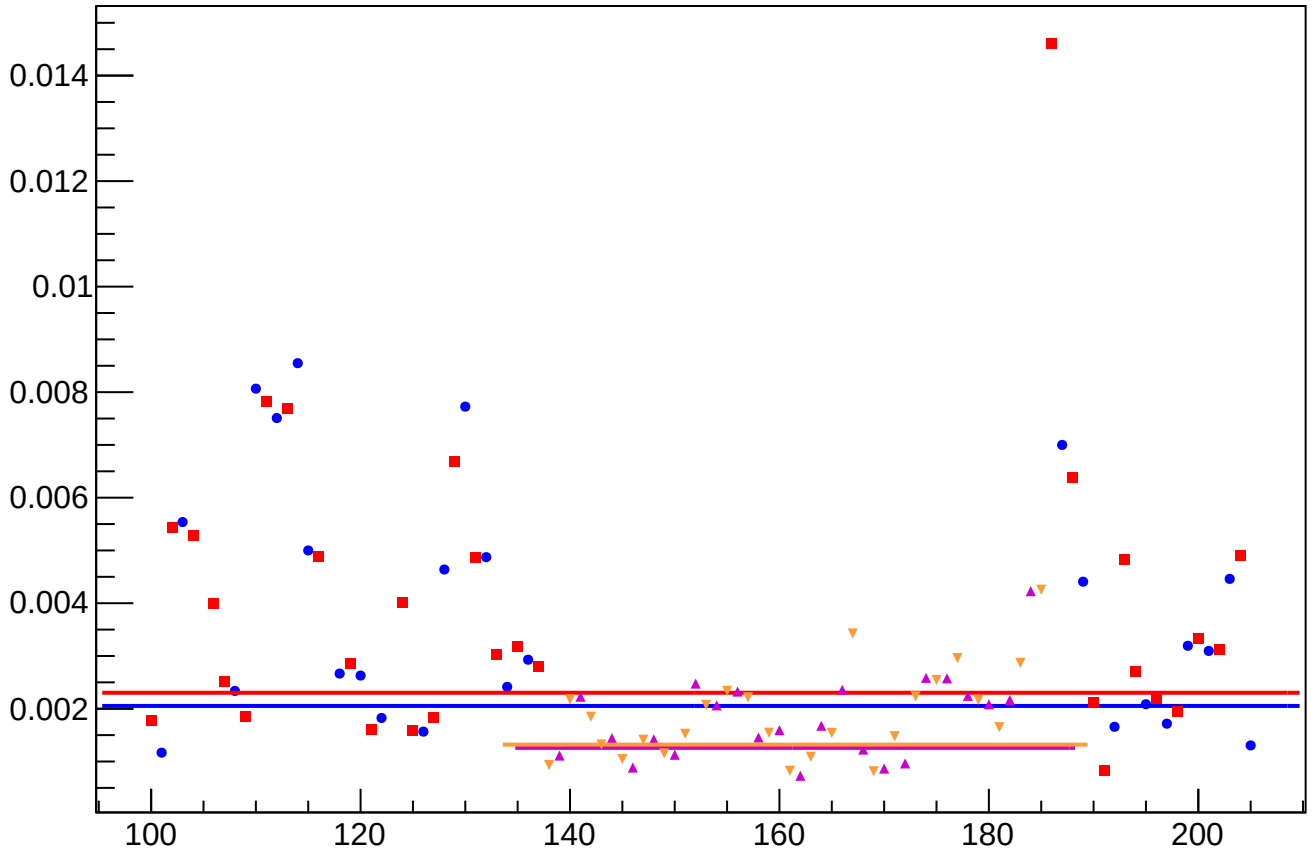
Right: 40.495+/-0.006 χ^2/NDF: 8930054.9/54

In: 37.718+/-0.005 χ^2/NDF:7656167.6/47

Out: 39.087+/-0.005 χ^2/NDF:8513655.9/54

All: 38.403+/-0.004 χ^2/NDF: 16205493.6/102


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs Slug, Sign Corrected
×10⁻³
0.04
0.02
0
−0.02
−0.04
−0.06
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.1/24
Left Out: 0.000+/-0.000 χ²/NDF:67.6/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.4/29
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: 55.2/54
In: -0.000+/-0.000 χ²/NDF:58.3/47
Out: 0.000+/-0.000 χ²/NDF:97.0/54
All: -0.000+/-0.000 χ²/NDF: 155.7/102



Right In: 0.002+/-0.000 χ^2/NDF: 5755899.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7404990.5/29

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

Left: 0.001+/-0.000 χ^2/NDF: 11036327.2/47

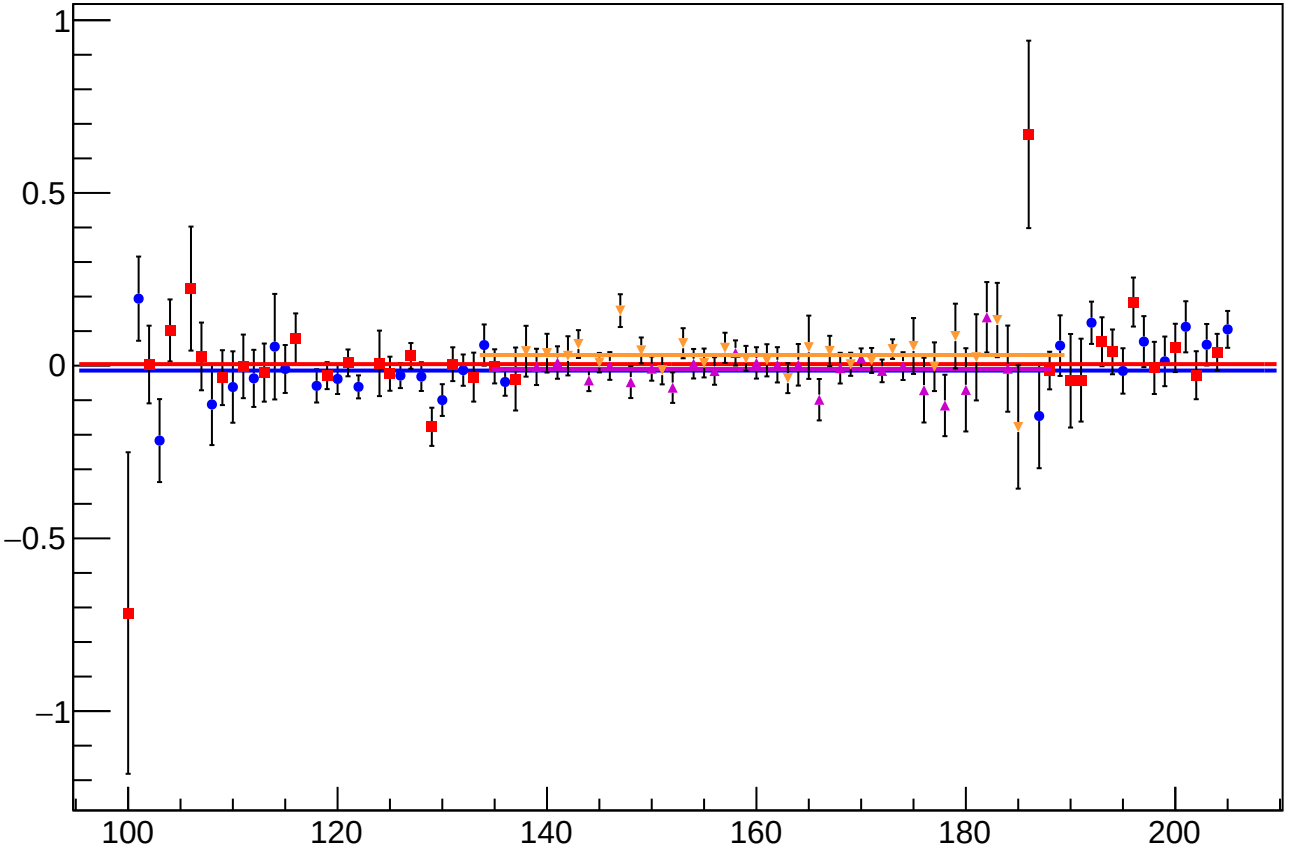
Right: 0.002+/-0.000 χ^2/NDF: 13300372.0/54

In: 0.001+/-0.000 χ^2/NDF:13545397.0/47

Out: 0.002+/-0.000 χ^2/NDF:16298703.6/54

All: 0.001+/-0.000 χ^2/NDF: 29916742.9/102

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

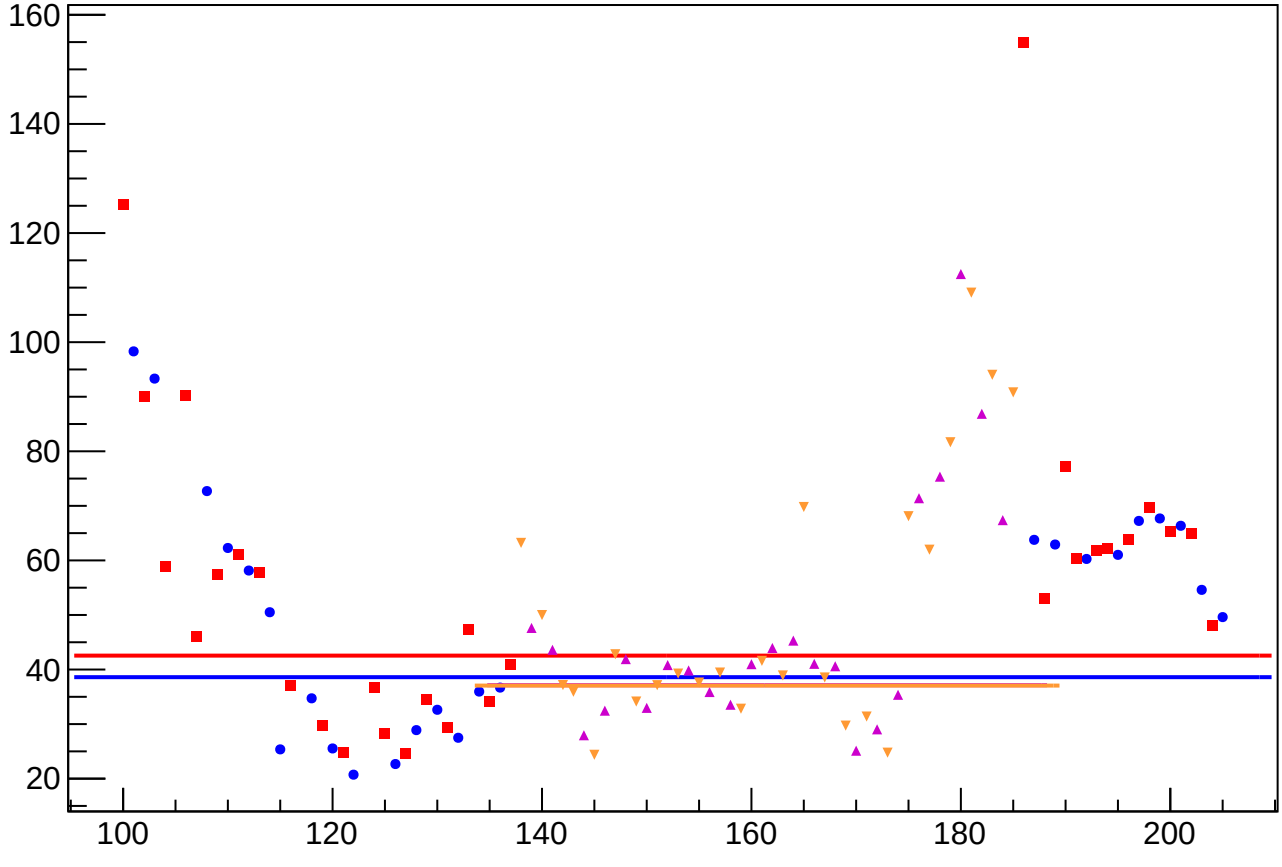
Right: -0.005+/-0.008 χ^2/NDF: 69.1/54

In: -0.012+/-0.007 χ^2/NDF:46.9/47

Out: 0.021+/-0.007 χ^2/NDF:55.2/54

All: 0.005+/-0.005 χ^2/NDF: 112.2/102

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.600+/-0.008 χ^2/NDF: 4623453.0/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 42.550+/-0.008 χ^2/NDF: 4192019.9/29

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

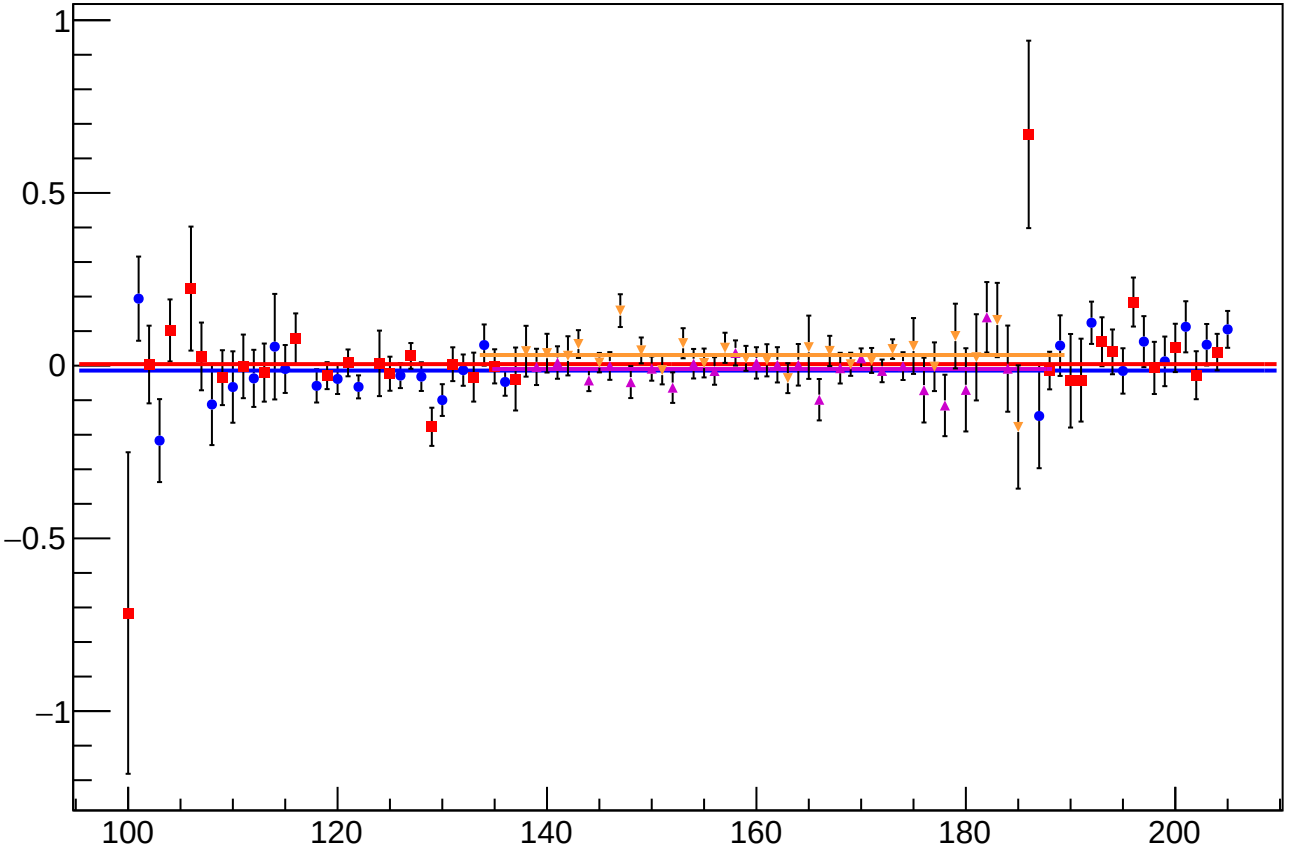
Right: 40.495+/-0.006 χ^2/NDF: 8929757.1/54

In: 37.718+/-0.005 χ^2/NDF:7656049.3/47

Out: 39.087+/-0.005 χ^2/NDF:8513506.9/54

All: 38.403+/-0.004 χ^2/NDF: 16205227.0/102

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.004+/-0.012 χ^2/NDF: 34.3/29

Left In: -0.010+/-0.009 χ^2/NDF:13.2/22

Left: 0.011+/-0.007 χ^2/NDF: 40.7/47

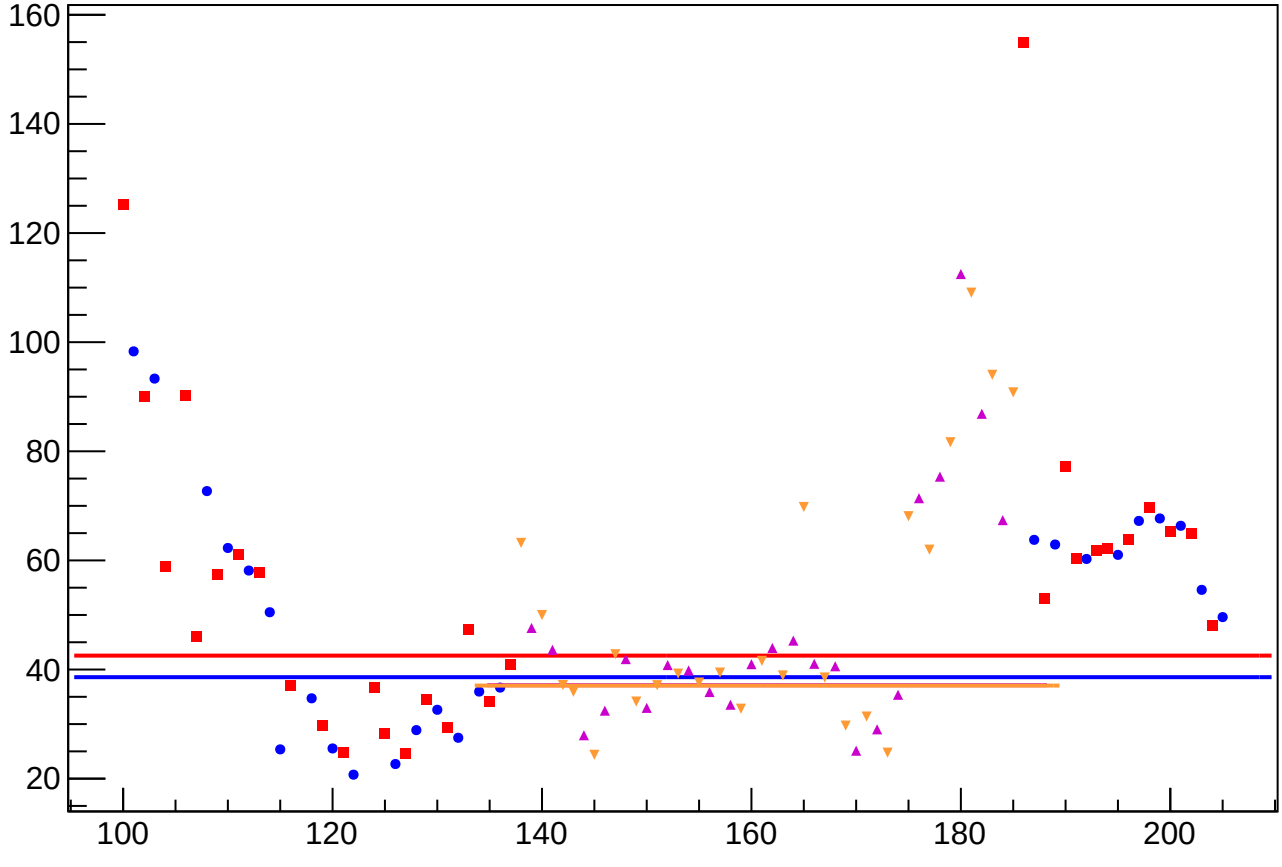
Right: -0.005+/-0.008 χ^2/NDF: 69.1/54

In: -0.012+/-0.007 χ^2/NDF:46.9/47

Out: 0.021+/-0.007 χ^2/NDF:55.2/54

All: 0.005+/-0.005 χ^2/NDF: 112.2/102

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.600+/-0.008 χ^2/NDF: 4623453.0/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

Right Out: 42.550+/-0.008 χ^2/NDF: 4192019.9/29

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

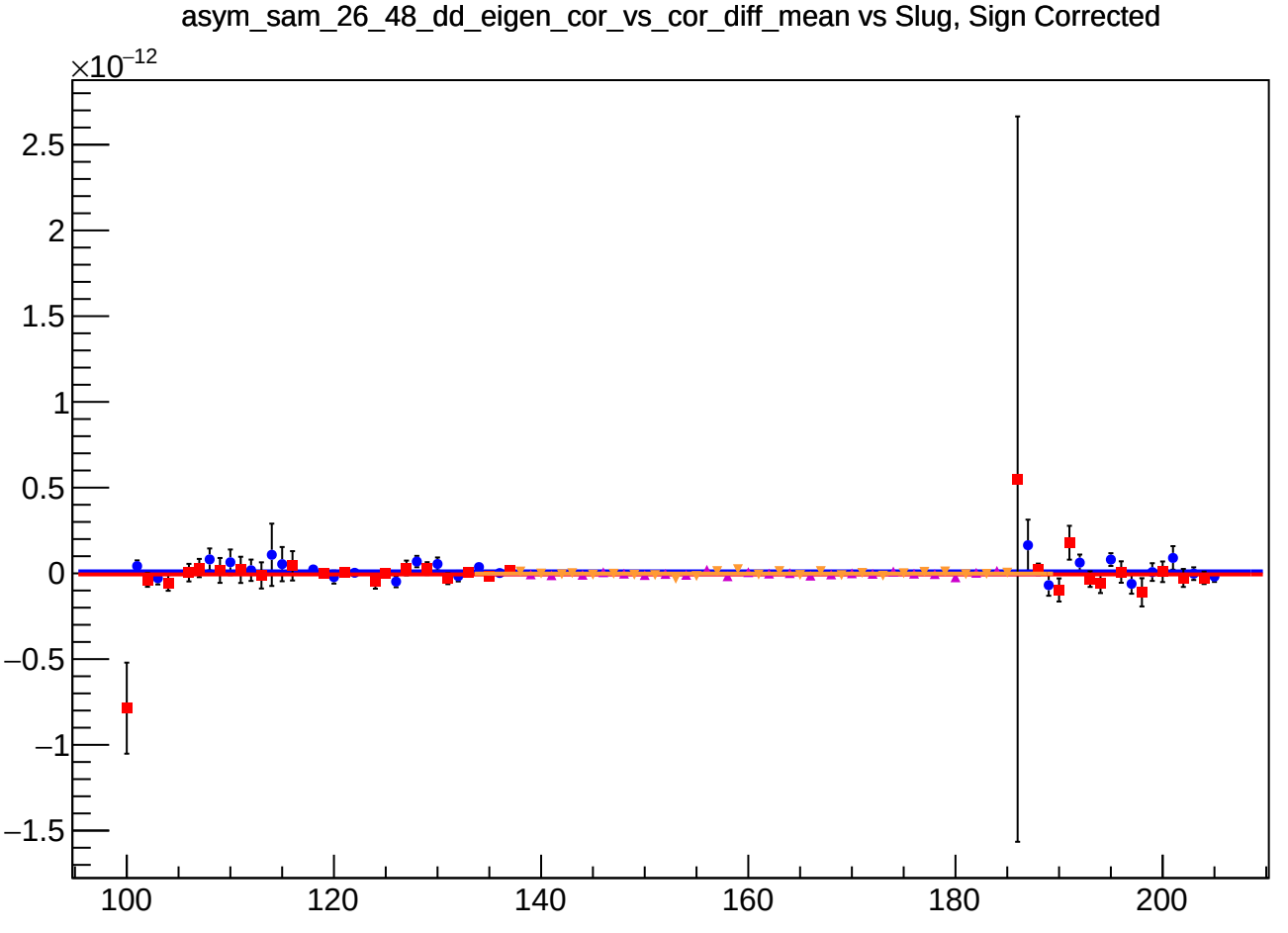
Left: 37.091+/-0.005 χ^2/NDF: 7066552.1/47

Right: 40.495+/-0.006 χ^2/NDF: 8929757.1/54

In: 37.718+/-0.005 χ^2/NDF:7656049.3/47

Out: 39.087+/-0.005 χ^2/NDF:8513506.9/54

All: 38.403+/-0.004 χ^2/NDF: 16205227.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

Left: -0.000+/-0.000 χ^2/NDF: 47.0/47

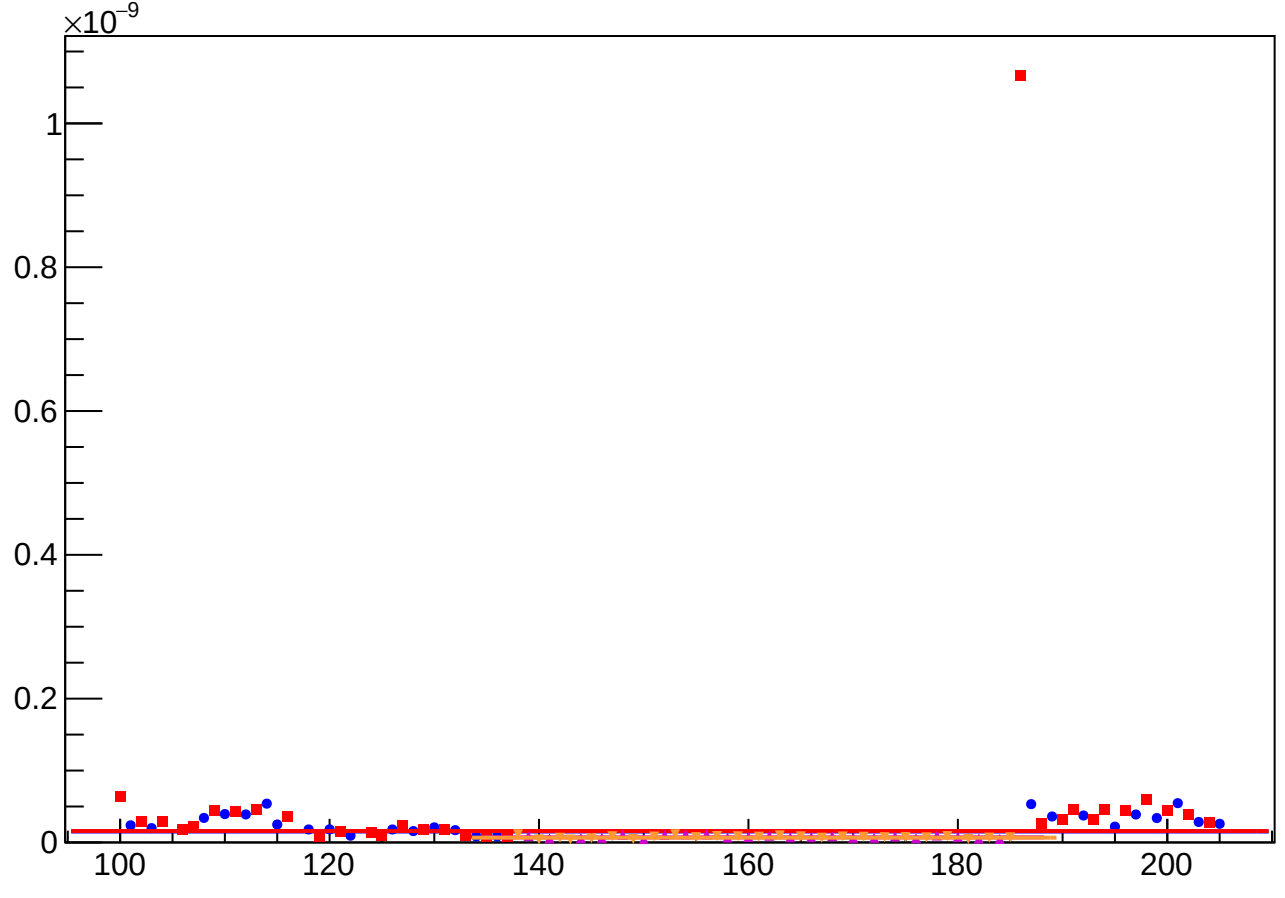
Right: 0.000+/-0.000 χ^2/NDF: 59.6/54

In: -0.000+/-0.000 χ^2/NDF:54.3/47

Out: -0.000+/-0.000 χ^2/NDF:53.7/54

All: -0.000+/-0.000 χ^2/NDF: 108.0/102

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5124309.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7121200.7/29

Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

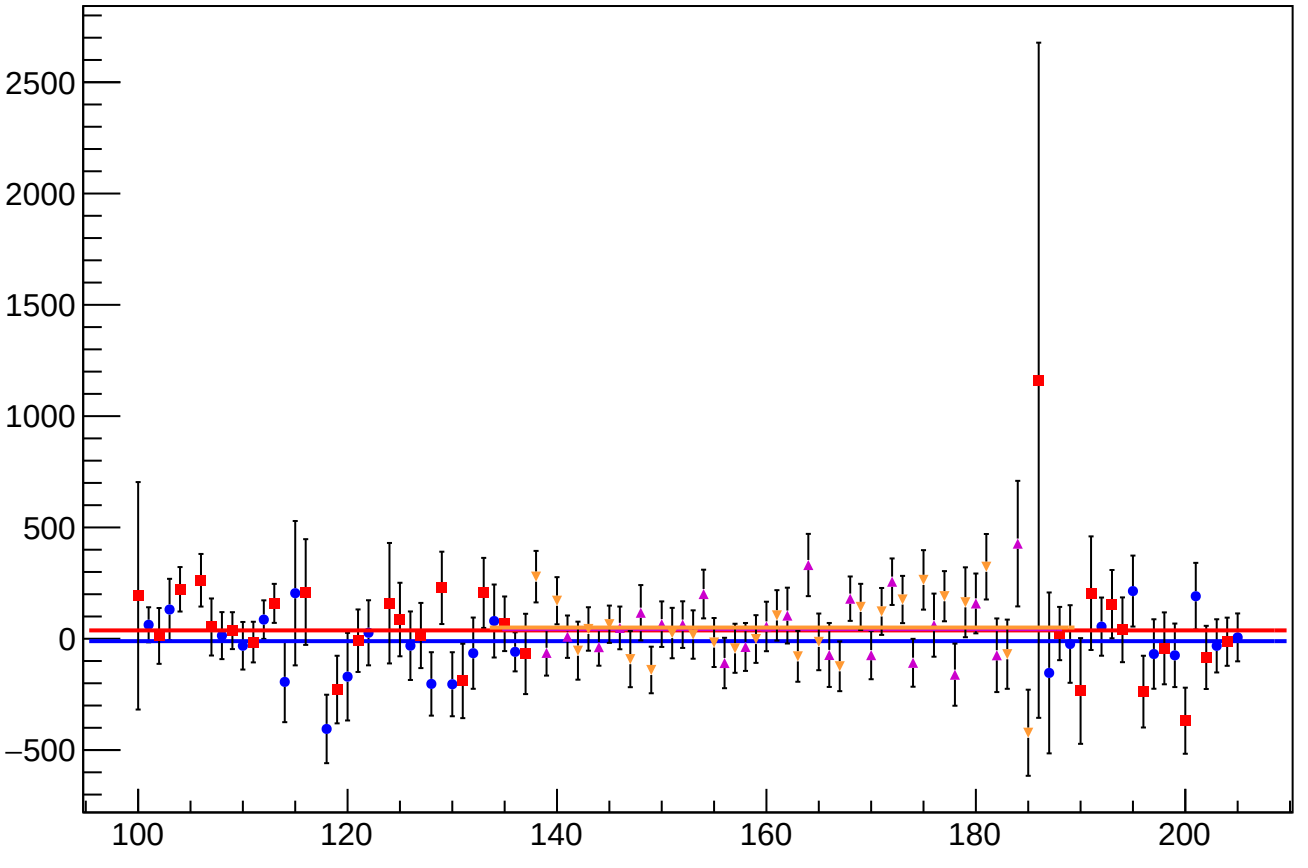
Left: 0.000+/-0.000 χ^2/NDF: 3428981.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12254631.4/54

In: 0.000+/-0.000 χ^2/NDF:9923078.7/47

Out: 0.000+/-0.000 χ^2/NDF:13127768.4/54

All: 0.000+/-0.000 χ^2/NDF: 23113607.5/102



Right In: -10.798+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 37.531+/-25.267 χ^2/NDF: 32.7/29

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.795+/-16.509 χ^2/NDF: 60.1/47

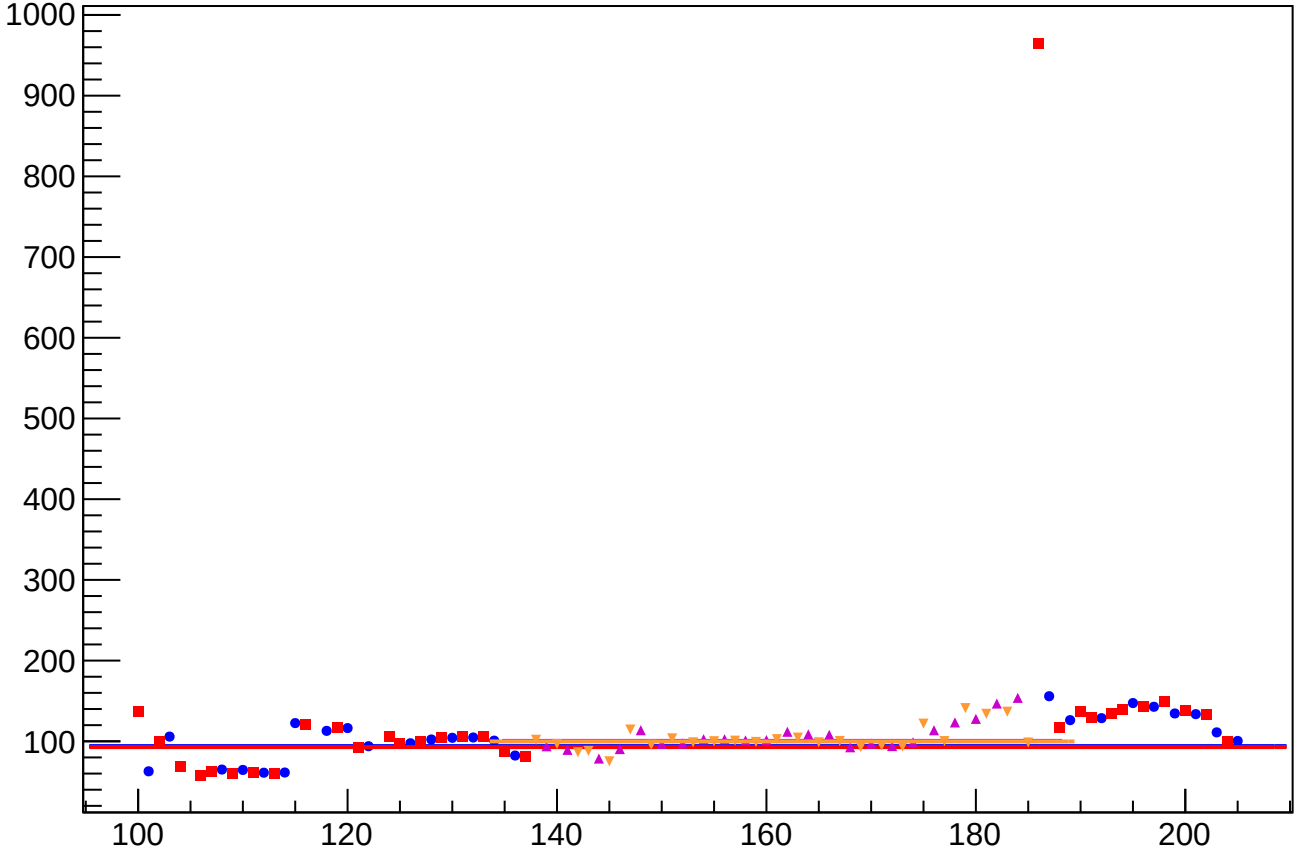
Right: 14.258+/-18.193 χ^2/NDF: 55.5/54

In: 18.755+/-17.605 χ^2/NDF:50.0/47

Out: 44.533+/-16.991 χ^2/NDF:66.3/54

All: 32.101+/-12.226 χ^2/NDF: 117.4/102

reg_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.041+/-0.019 χ^2/NDF: 2159505.1/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 92.809+/-0.018 χ^2/NDF: 3409948.2/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

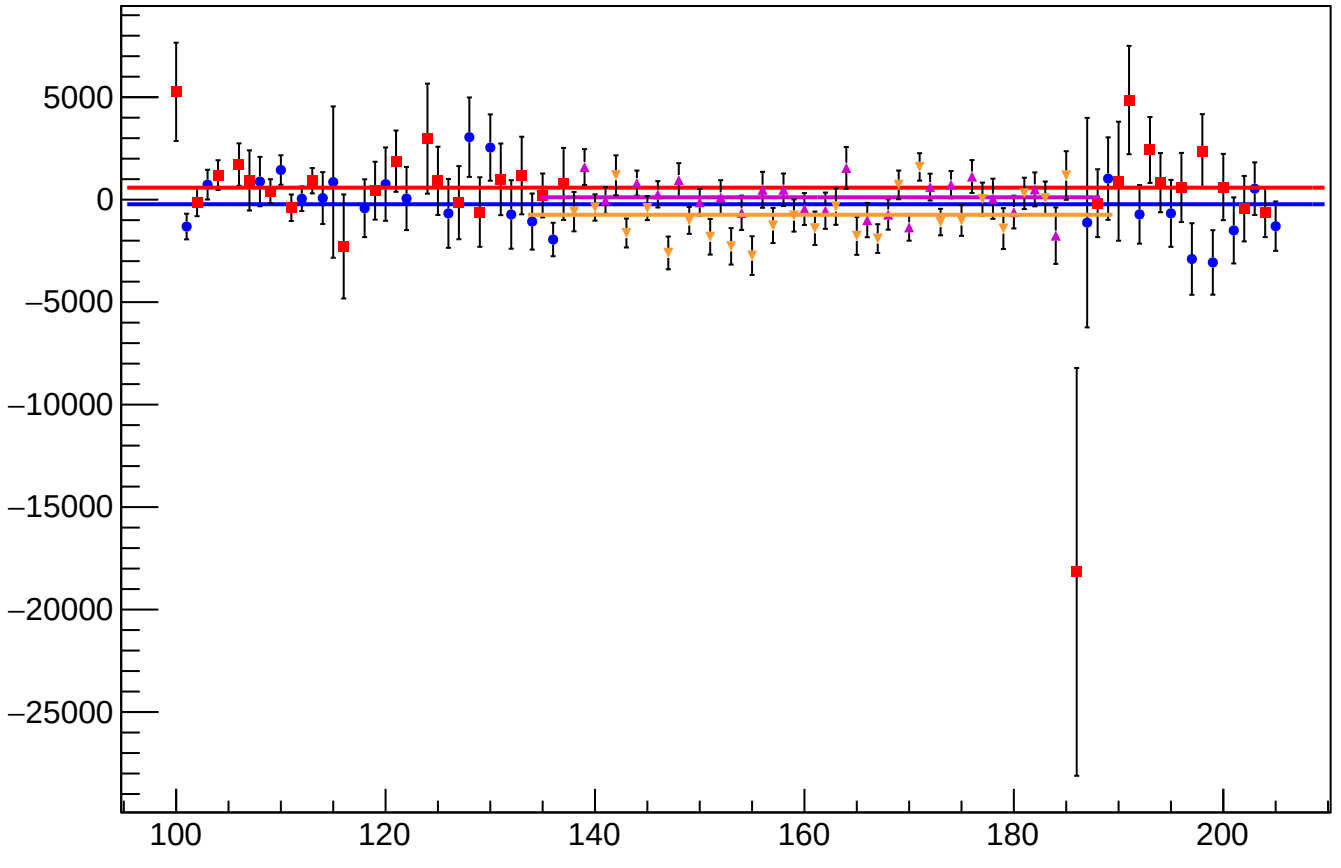
Left: 100.157+/-0.012 χ^2/NDF: 1355414.7/47

Right: 93.402+/-0.013 χ^2/NDF: 5571743.1/54

In: 97.586+/-0.012 χ^2/NDF:2882969.2/47

Out: 96.660+/-0.012 χ^2/NDF:4192524.0/54

All: 97.107+/-0.009 χ^2/NDF: 7078361.3/102



Right In: -223.617+/-231.232 χ^2/NDF: 30.4/24

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: 585.586+/-217.203 χ^2/NDF: 23.4/29

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.953+/-112.146 χ^2/NDF: 87.9/47

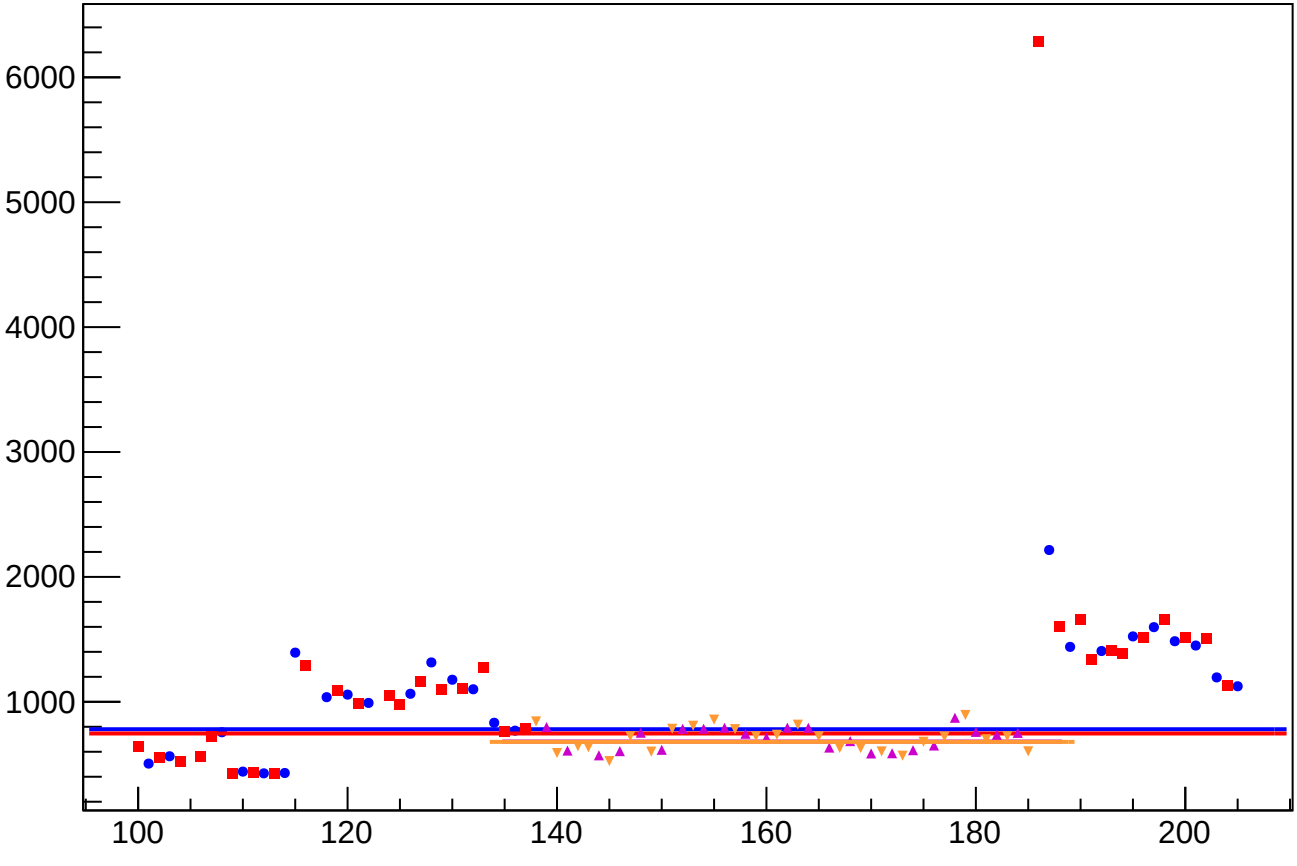
Right: 206.275+/-158.313 χ^2/NDF: 60.3/54

In: 4.879+/-132.122 χ^2/NDF:55.6/47

Out: -286.638+/-126.873 χ^2/NDF:97.5/54

All: -146.785+/-91.512 χ^2/NDF: 155.7/102

asym_sam_1548_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 780.357+/-0.164 χ^2/NDF: 5186372.1/24

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 746.367+/-0.154 χ^2/NDF: 7015192.2/29

Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

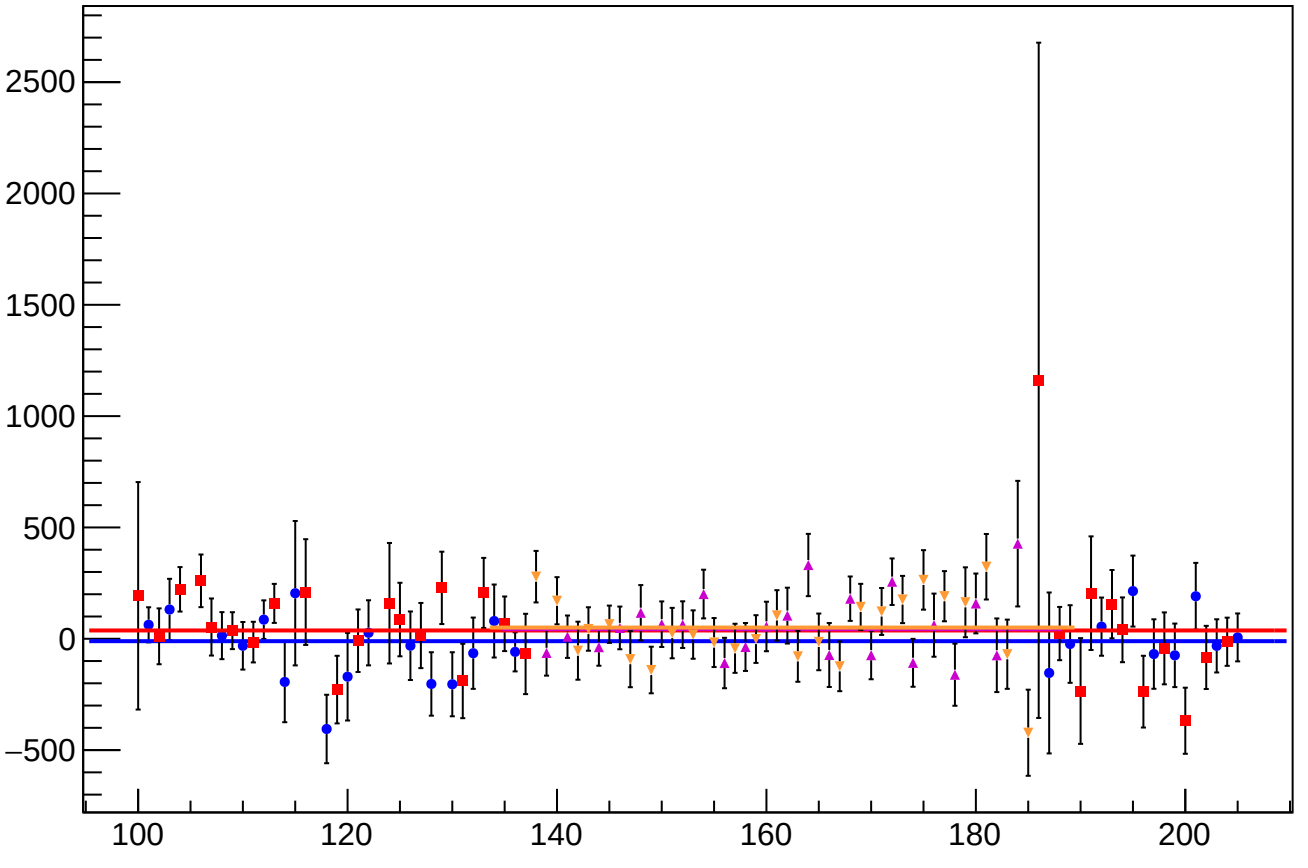
Left: 680.479+/-0.079 χ^2/NDF: 1311531.8/47

Right: 762.300+/-0.112 χ^2/NDF: 12224521.7/54

In: 714.039+/-0.093 χ^2/NDF:6004436.7/47

Out: 702.082+/-0.090 χ^2/NDF:7878813.9/54

All: 707.818+/-0.065 χ^2/NDF: 13891773.4/10



Right In: -10.801+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 37.342+/-25.268 χ^2/NDF: 32.6/29

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

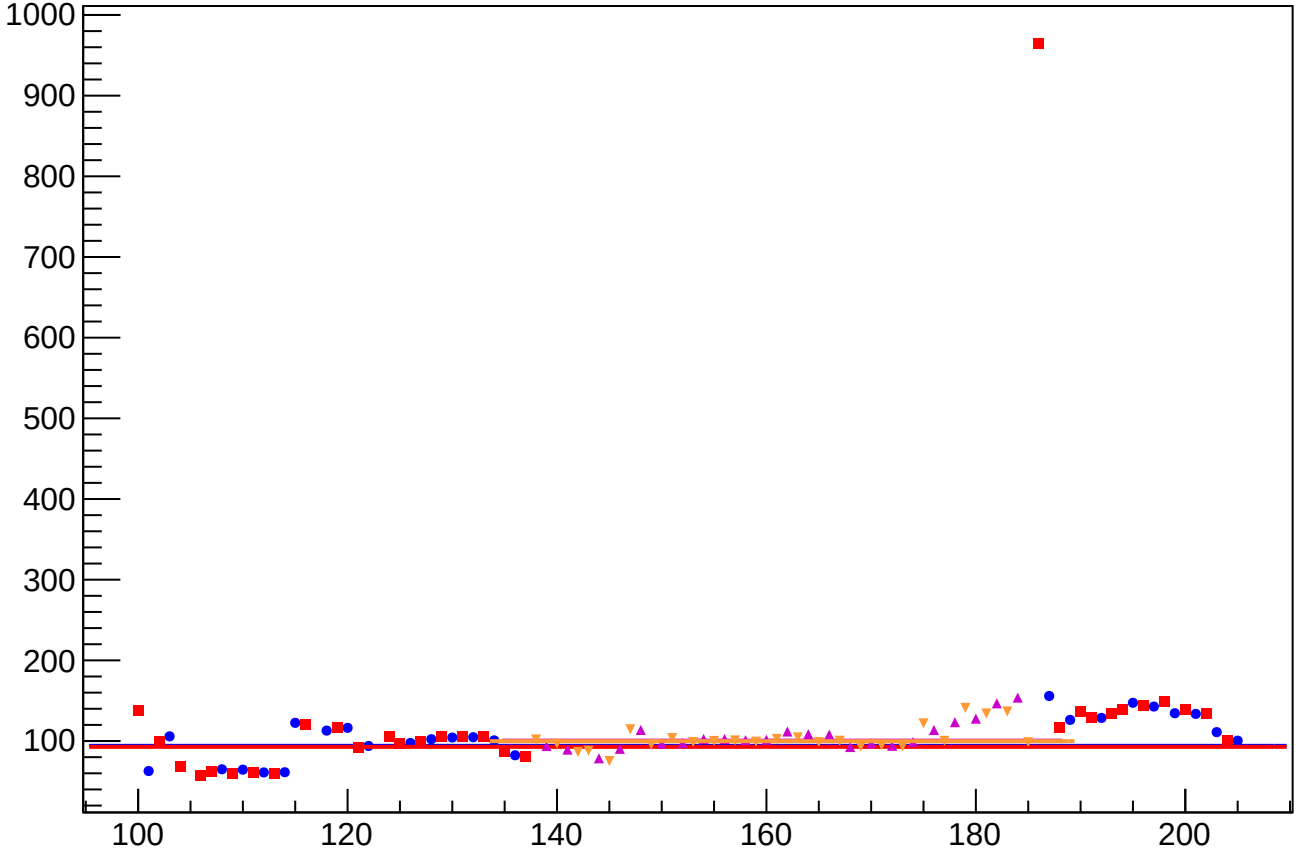
Right: 14.157+/-18.193 χ^2/NDF: 55.4/54

In: 18.754+/-17.605 χ^2/NDF:50.0/47

Out: 44.453+/-16.992 χ^2/NDF:66.2/54

All: 32.058+/-12.226 χ^2/NDF: 117.3/102

cor_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 94.041+/-0.019 χ^2/NDF: 2159506.4/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.797+/-0.018 χ^2/NDF: 3413236.7/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

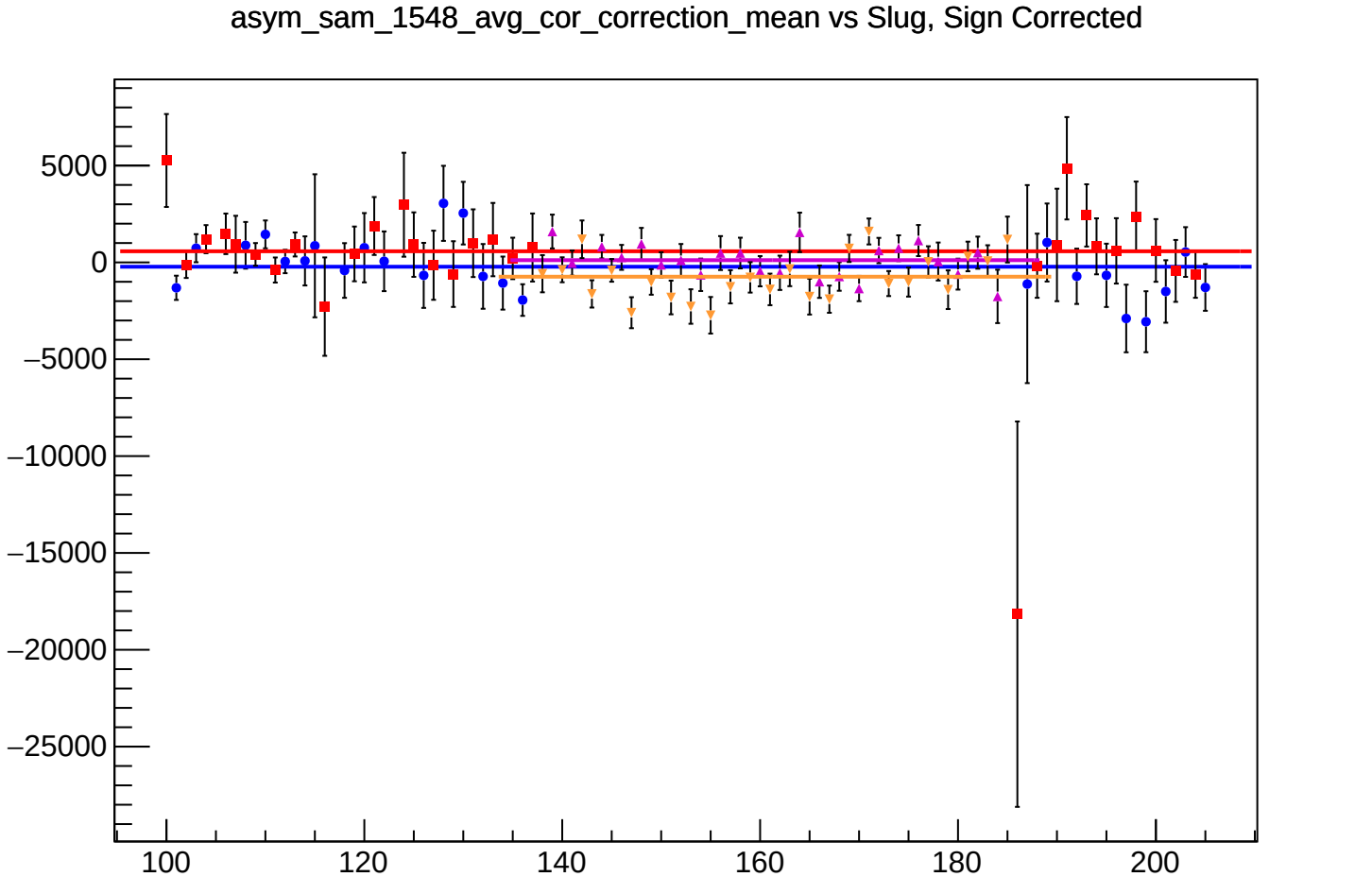
Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

Right: 93.396+/-0.013 χ^2/NDF: 5575077.8/54

In: 97.586+/-0.012 χ^2/NDF:2882970.2/47

Out: 96.654+/-0.012 χ^2/NDF:4196098.6/54

All: 97.104+/-0.009 χ^2/NDF: 7081969.6/102



Right In: -223.641+/-231.234 χ^2/NDF: 30.4/24

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 574.877+/-217.315 χ^2/NDF: 22.9/29

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

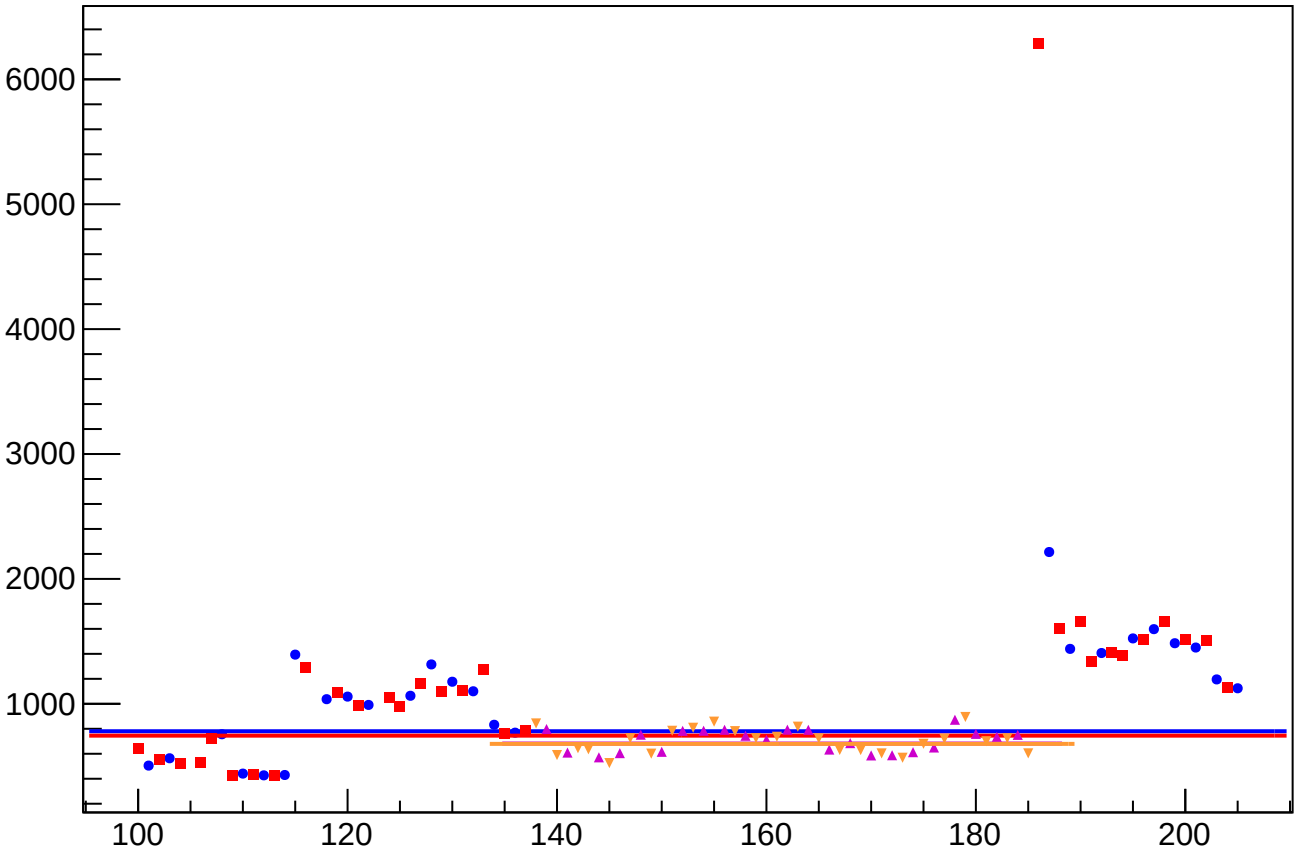
Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

Right: 200.374+/-158.357 χ^2/NDF: 59.7/54

In: 4.873+/-132.122 χ^2/NDF:55.6/47

Out: -290.587+/-126.895 χ^2/NDF:96.7/54

All: -148.818+/-91.520 χ^2/NDF: 154.9/102



Right In: 780.367+/-0.164 χ^2/NDF: 5186243.3/24

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 745.124+/-0.154 χ^2/NDF: 7038189.1/29

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

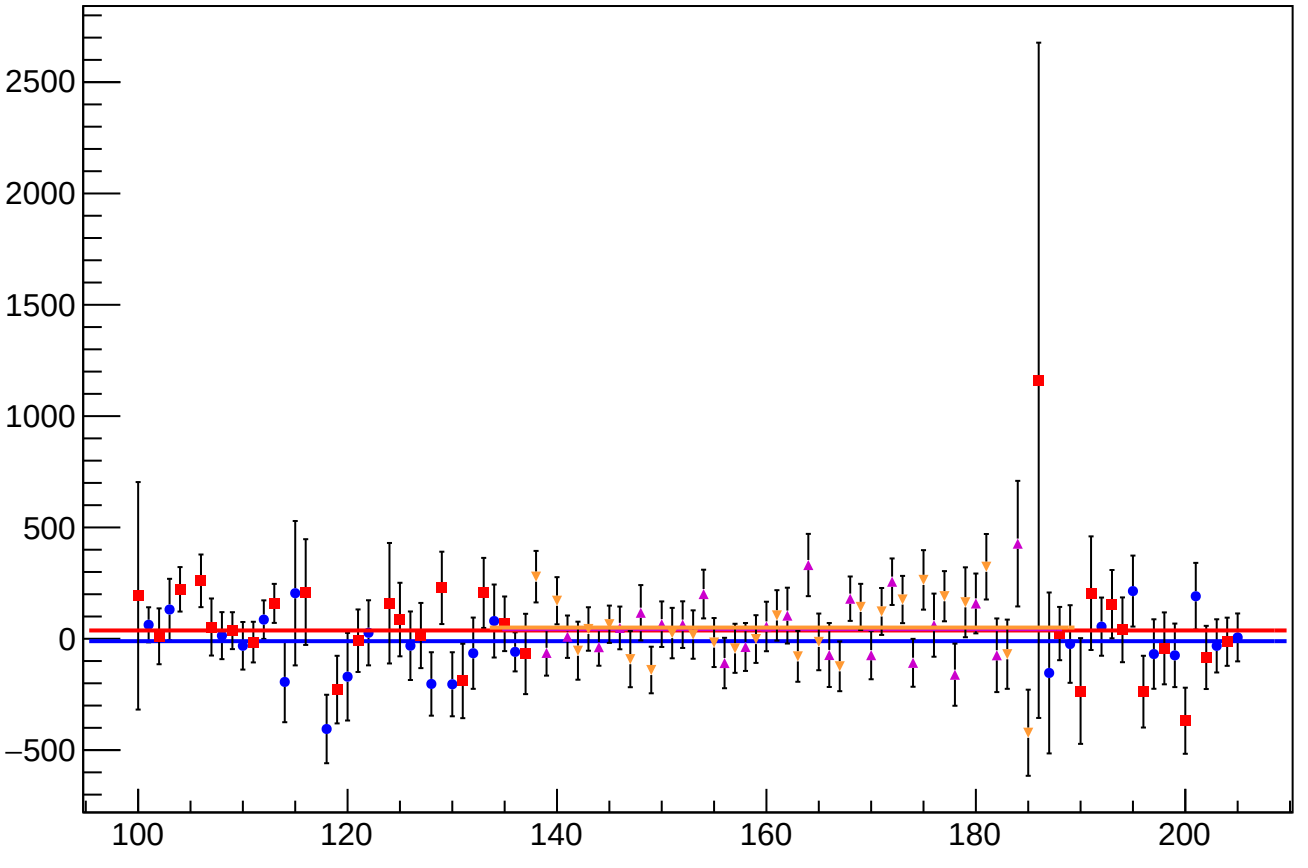
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 761.653+/-0.112 χ^2/NDF: 12249102.6/54

In: 714.042+/-0.093 χ^2/NDF:6004355.5/47

Out: 701.642+/-0.090 χ^2/NDF:7897100.7/54

All: 707.592+/-0.065 χ^2/NDF: 13910619.8/10



Right In: -10.801+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 37.342+/-25.268 χ^2/NDF: 32.6/29

Left In: 43.026+/-23.758 χ^2/NDF:26.6/22

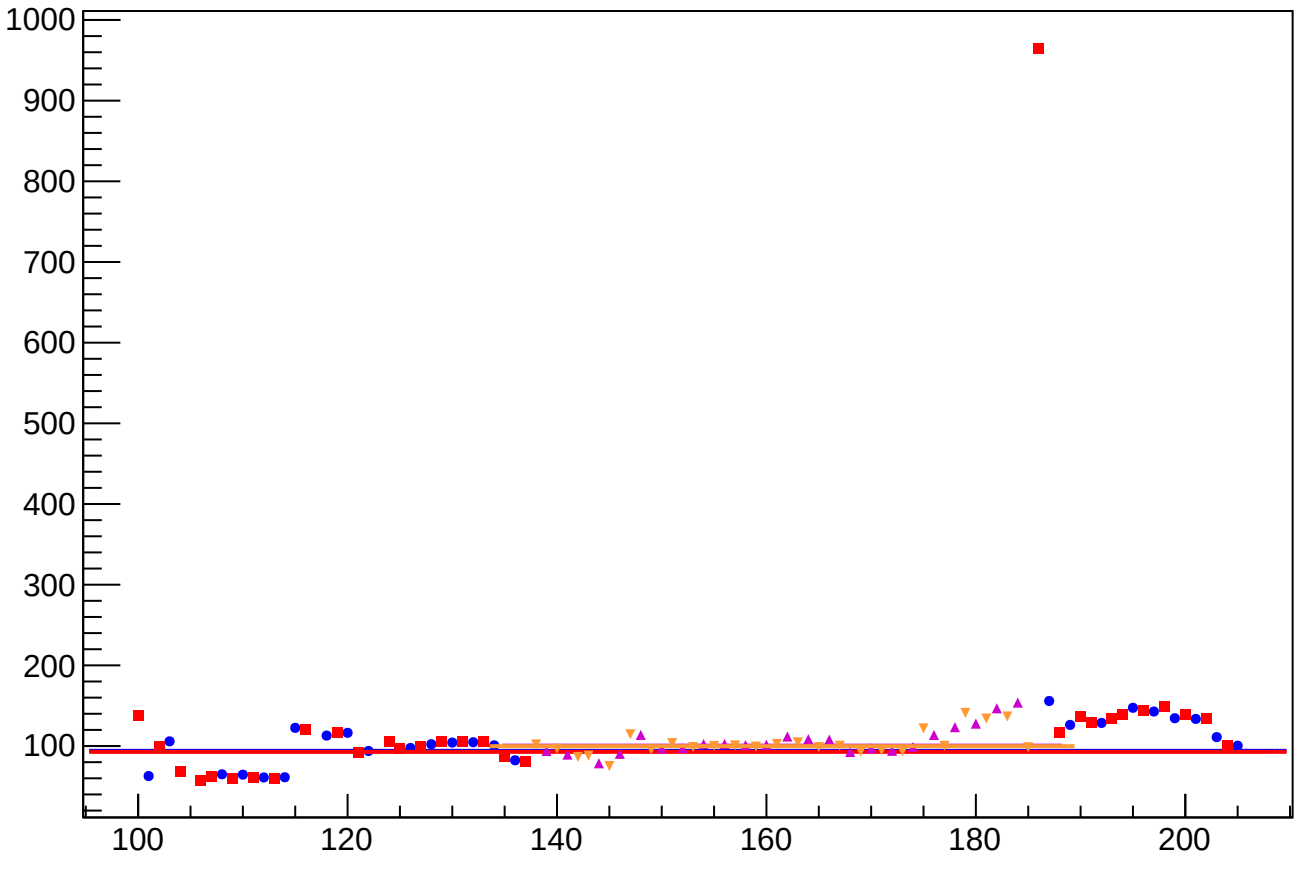
Left: 46.799+/-16.509 χ^2/NDF: 60.1/47

Right: 14.157+/-18.193 χ^2/NDF: 55.4/54

In: 18.754+/-17.605 χ^2/NDF:50.0/47

Out: 44.453+/-16.992 χ^2/NDF:66.2/54

All: 32.058+/-12.226 χ^2/NDF: 117.3/102



Right In: 94.041+/-0.019 χ^2/NDF: 2159506.4/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 92.797+/-0.018 χ^2/NDF: 3413236.7/29

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

Left: 100.157+/-0.012 χ^2/NDF: 1355414.8/47

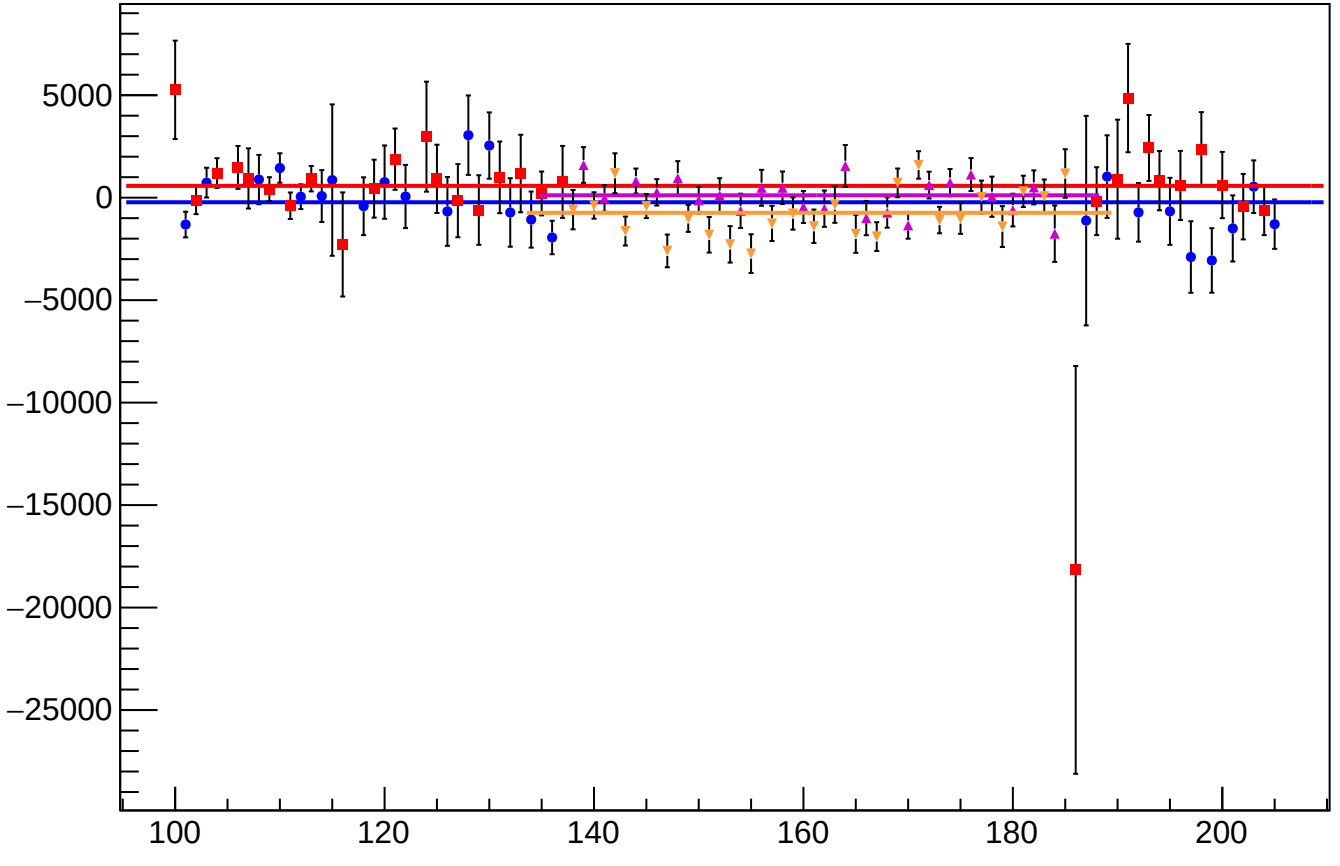
Right: 93.396+/-0.013 χ^2/NDF: 5575077.8/54

In: 97.586+/-0.012 χ^2/NDF:2882970.2/47

Out: 96.654+/-0.012 χ^2/NDF:4196098.6/54

All: 97.104+/-0.009 χ^2/NDF: 7081969.6/102

asym_sam_1548_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -223.641+/-231.234 χ^2/NDF: 30.4/24

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: 574.877+/-217.315 χ^2/NDF: 22.9/29

Left In: 115.639+/-160.990 χ^2/NDF:23.7/22

Left: -323.947+/-112.146 χ^2/NDF: 87.9/47

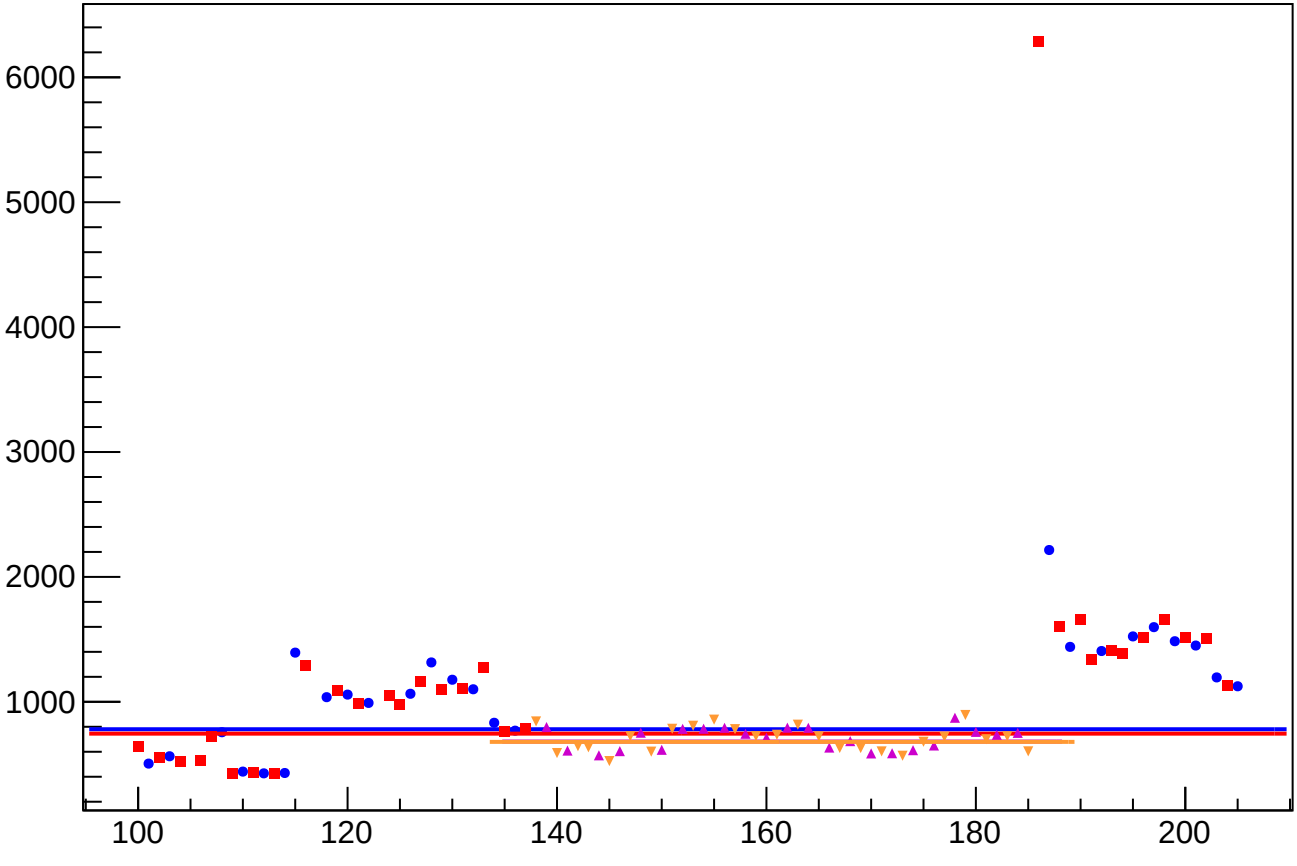
Right: 200.374+/-158.357 χ^2/NDF: 59.7/54

In: 4.873+/-132.122 χ^2/NDF:55.6/47

Out: -290.587+/-126.895 χ^2/NDF:96.7/54

All: -148.818+/-91.520 χ^2/NDF: 154.9/102

asym_sam_1548_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 780.367+/-0.164 χ^2/NDF: 5186243.3/24

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 745.124+/-0.154 χ^2/NDF: 7038189.1/29

Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

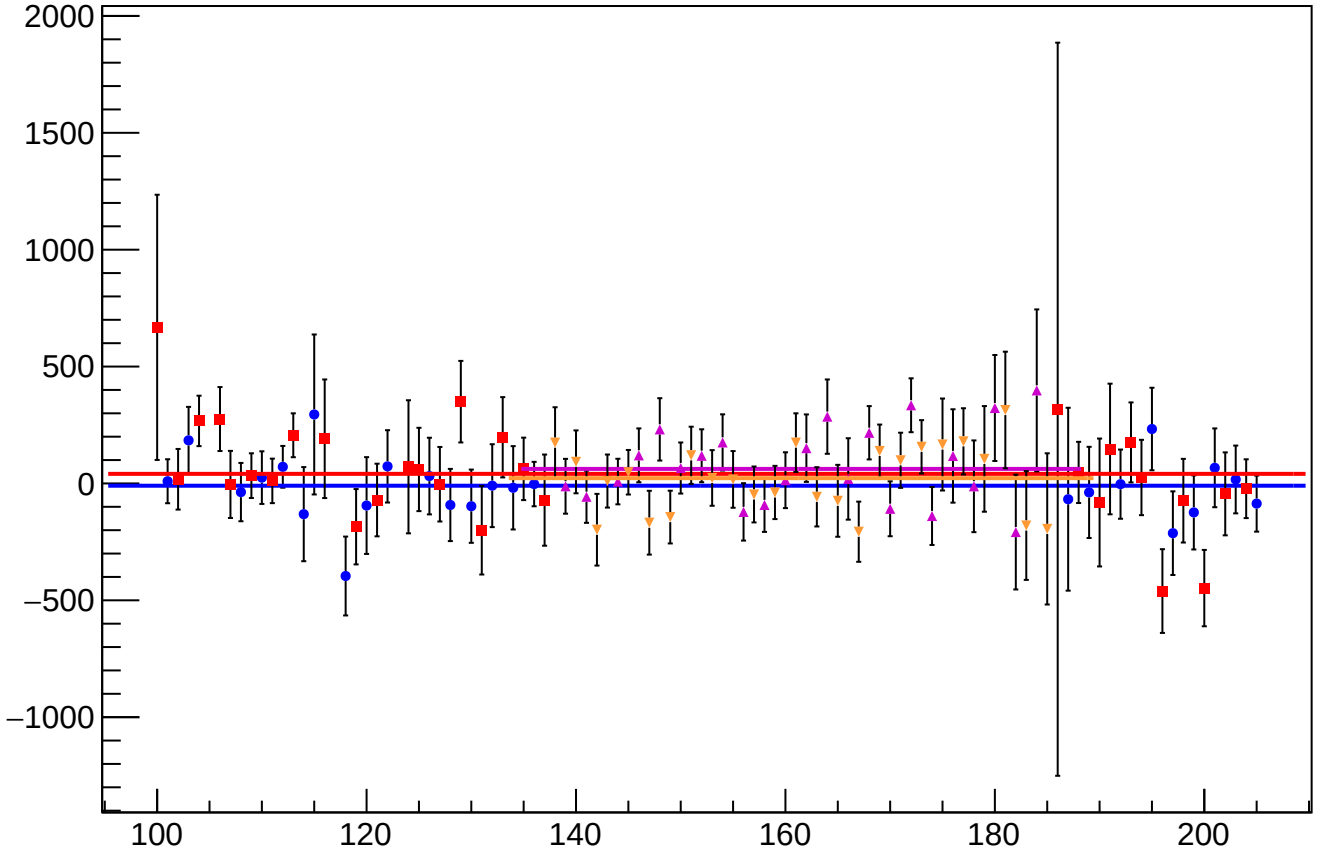
Left: 680.479+/-0.079 χ^2/NDF: 1311532.0/47

Right: 761.653+/-0.112 χ^2/NDF: 12249102.6/54

In: 714.042+/-0.093 χ^2/NDF:6004355.5/47

Out: 701.642+/-0.090 χ^2/NDF:7897100.7/54

All: 707.592+/-0.065 χ^2/NDF: 13910619.8/10



Right In: -9.787+/-28.974 χ^2/NDF: 14.8/24

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: 40.995+/-27.826 χ^2/NDF: 39.5/29

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

Left: 41.845+/-19.081 χ^2/NDF: 50.0/47

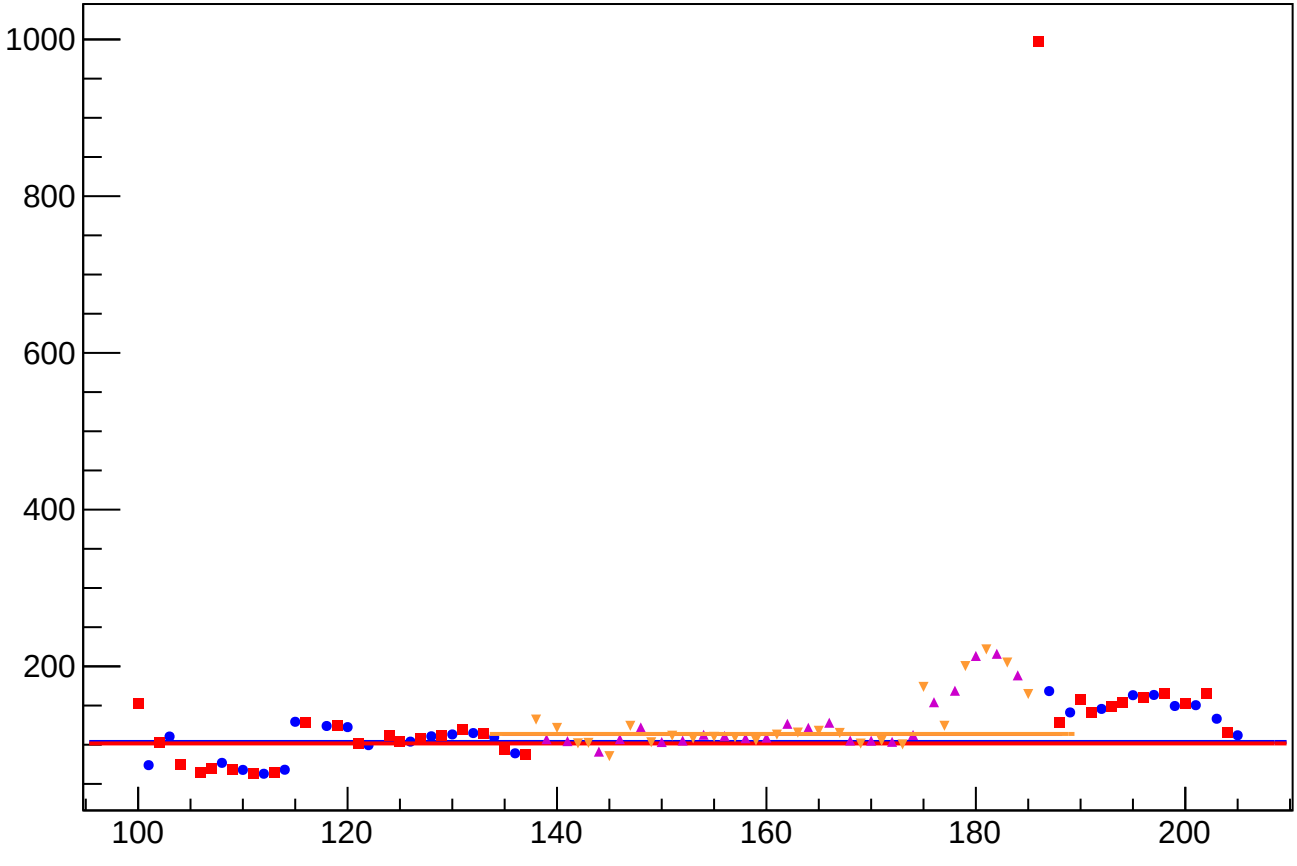
Right: 16.630+/-20.070 χ^2/NDF: 55.8/54

In: 28.279+/-19.884 χ^2/NDF:45.3/47

Out: 31.368+/-19.244 χ^2/NDF:61.3/54

All: 29.874+/-13.828 χ^2/NDF: 106.6/102

dit_asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 103.521+/-0.020 χ^2/NDF: 2257738.3/24

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 101.641+/-0.020 χ^2/NDF: 3558453.0/29

Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

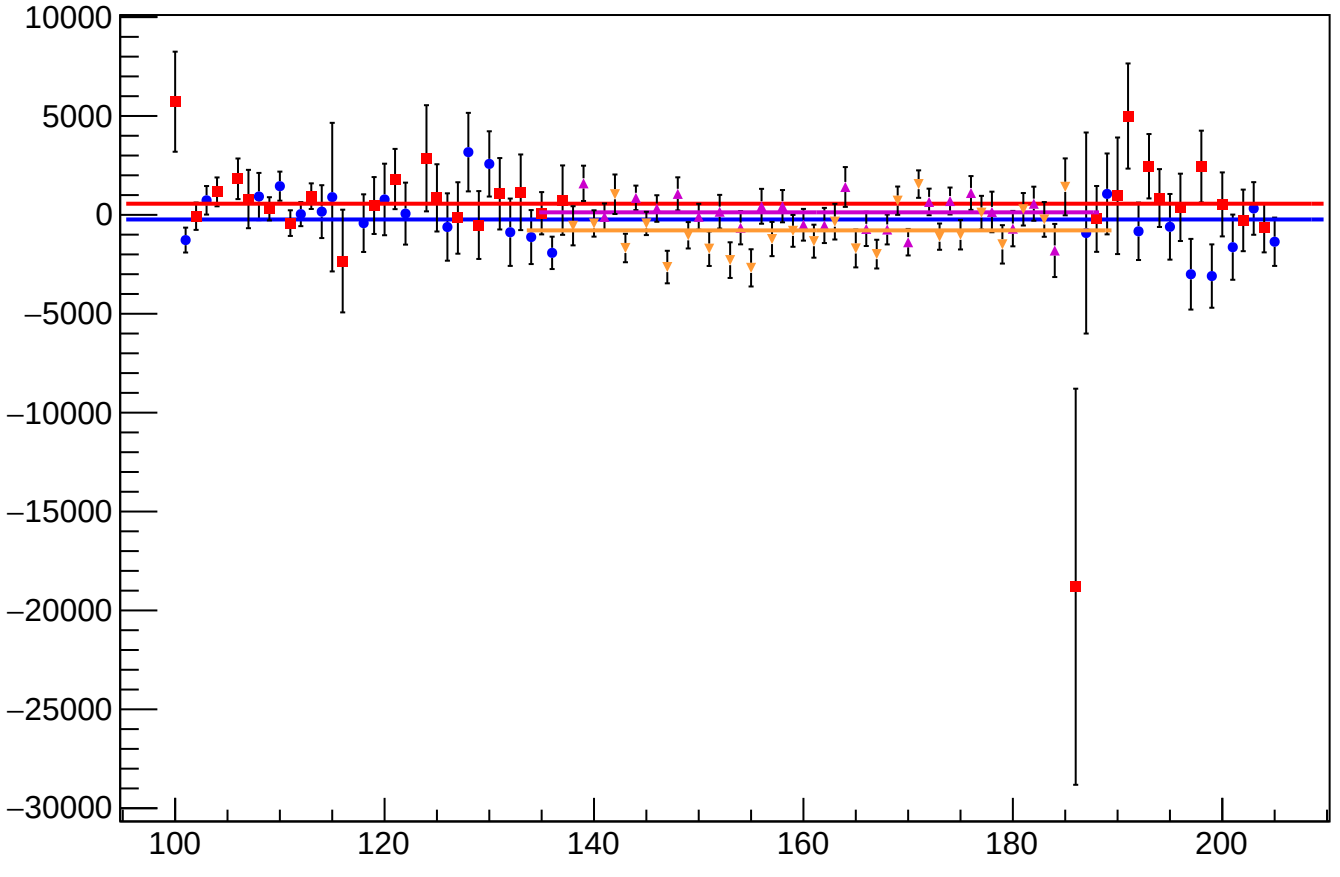
Left: 113.723+/-0.013 χ^2/NDF: 2895975.8/47

Right: 102.543+/-0.014 χ^2/NDF: 5820572.2/54

In: 108.894+/-0.014 χ^2/NDF:3703771.6/47

Out: 107.967+/-0.014 χ^2/NDF:5336496.6/54

All: 108.415+/-0.010 χ^2/NDF: 9042512.0/102



Right In: -232.704+/-233.874 χ^2/NDF: 30.2/24

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: 563.919+/-219.567 χ^2/NDF: 24.1/29

Left In: 128.155+/-165.255 χ^2/NDF:22.7/22

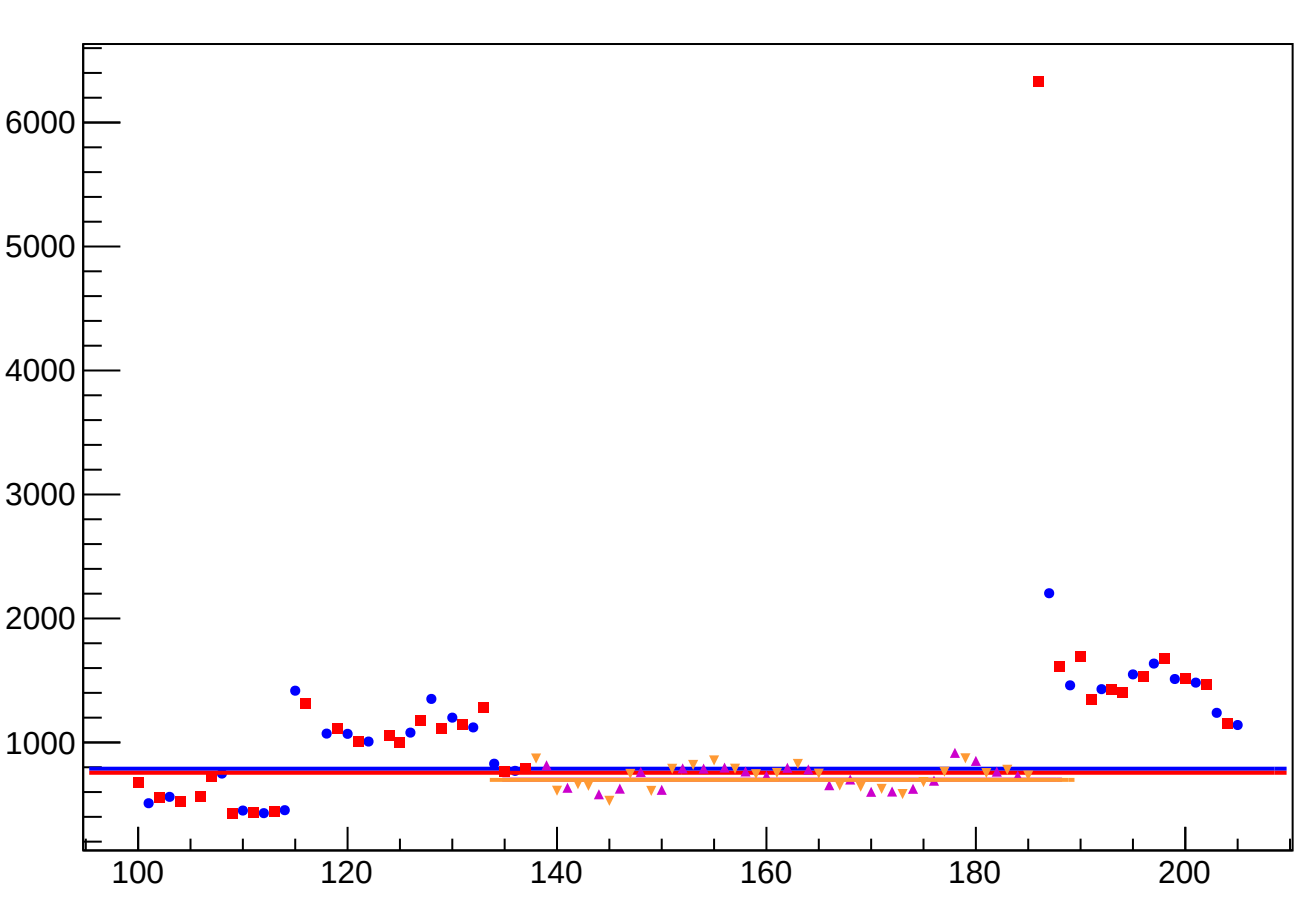
Left: -341.434+/-115.128 χ^2/NDF: 83.8/47

Right: 190.717+/-160.076 χ^2/NDF: 60.5/54

In: 7.984+/-134.963 χ^2/NDF:54.5/47

Out: -314.838+/-129.563 χ^2/NDF:94.1/54

All: -160.014+/-93.466 χ^2/NDF: 151.6/102



Right In: 788.269+/-0.165 χ^2/NDF: 5266678.0/24

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 755.549+/-0.155 χ^2/NDF: 6975961.5/29

Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

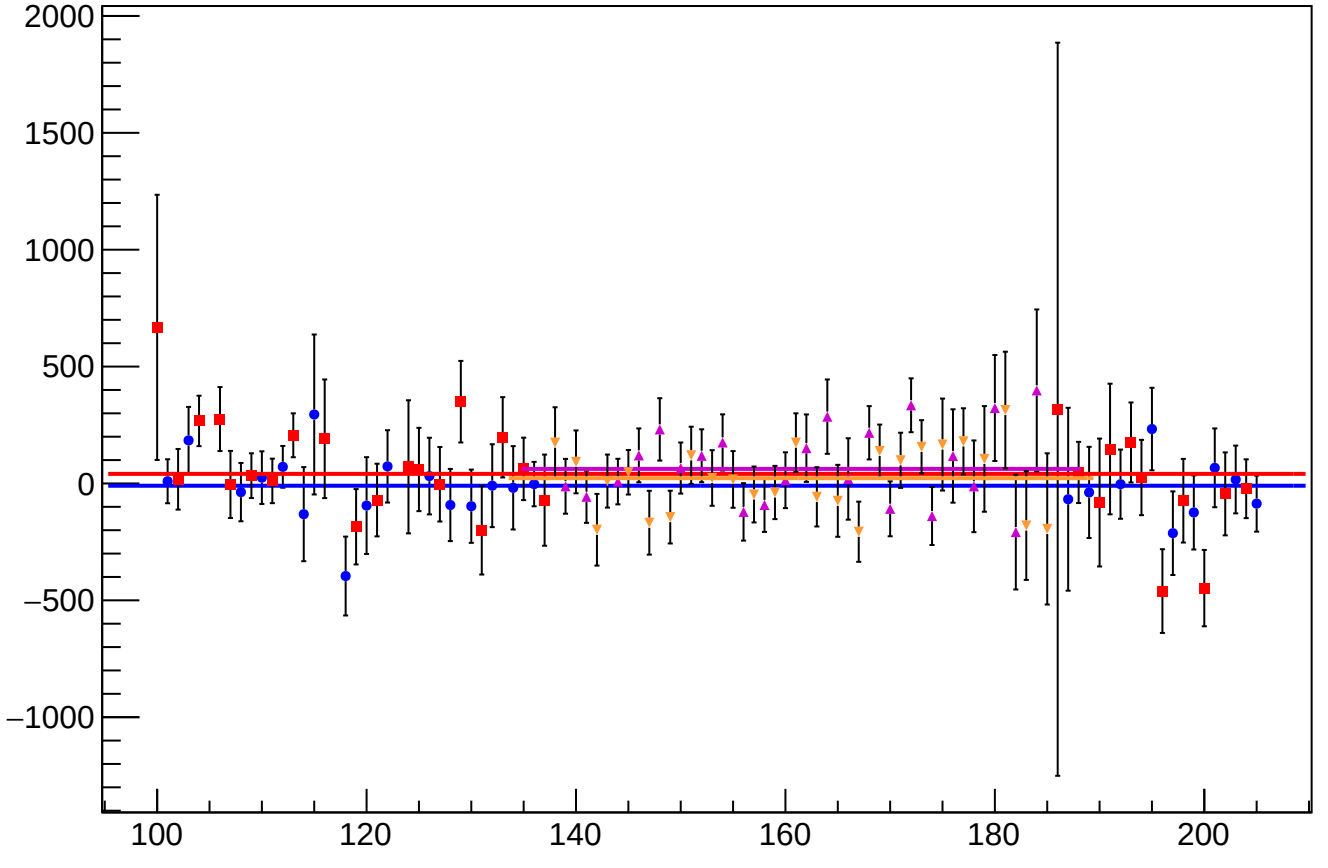
Left: 699.131+/-0.081 χ^2/NDF: 1299133.4/47

Right: 770.878+/-0.113 χ^2/NDF: 12263446.4/54

In: 729.448+/-0.095 χ^2/NDF:6040676.5/47

Out: 718.193+/-0.092 χ^2/NDF:7779467.1/54

All: 723.591+/-0.066 χ^2/NDF: 13827381.1/10



Right In: -9.786+/-28.974 χ^2/NDF: 14.8/24

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: 40.995+/-27.826 χ^2/NDF: 39.5/29

Left In: 62.169+/-27.339 χ^2/NDF:27.3/22

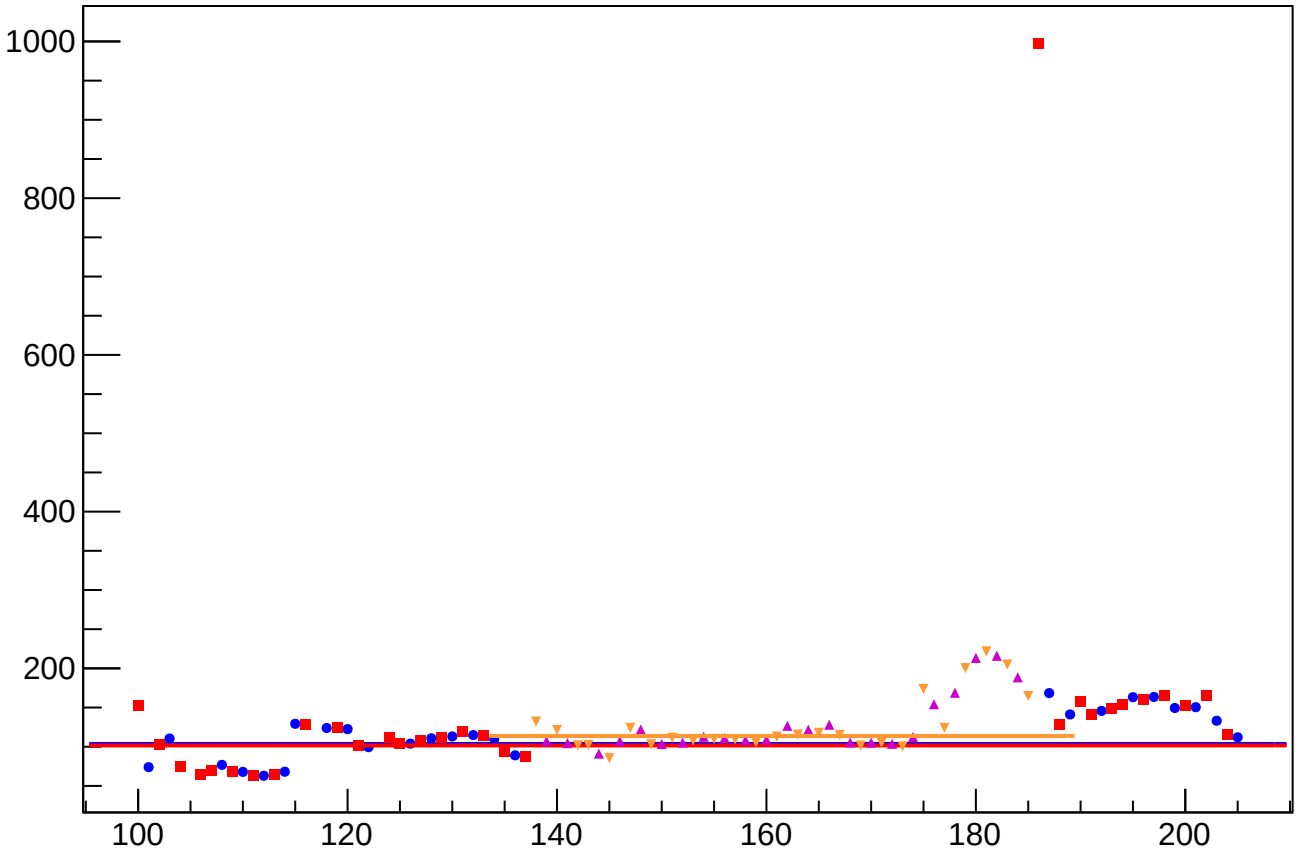
Left: 41.846+/-19.081 χ^2/NDF: 50.0/47

Right: 16.631+/-20.070 χ^2/NDF: 55.8/54

In: 28.279+/-19.884 χ^2/NDF:45.3/47

Out: 31.369+/-19.244 χ^2/NDF:61.3/54

All: 29.875+/-13.829 χ^2/NDF: 106.6/102



Right In: 103.521+/-0.020 χ^2/NDF: 2257725.0/24

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

Right Out: 101.641+/-0.020 χ^2/NDF: 3558457.3/29

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

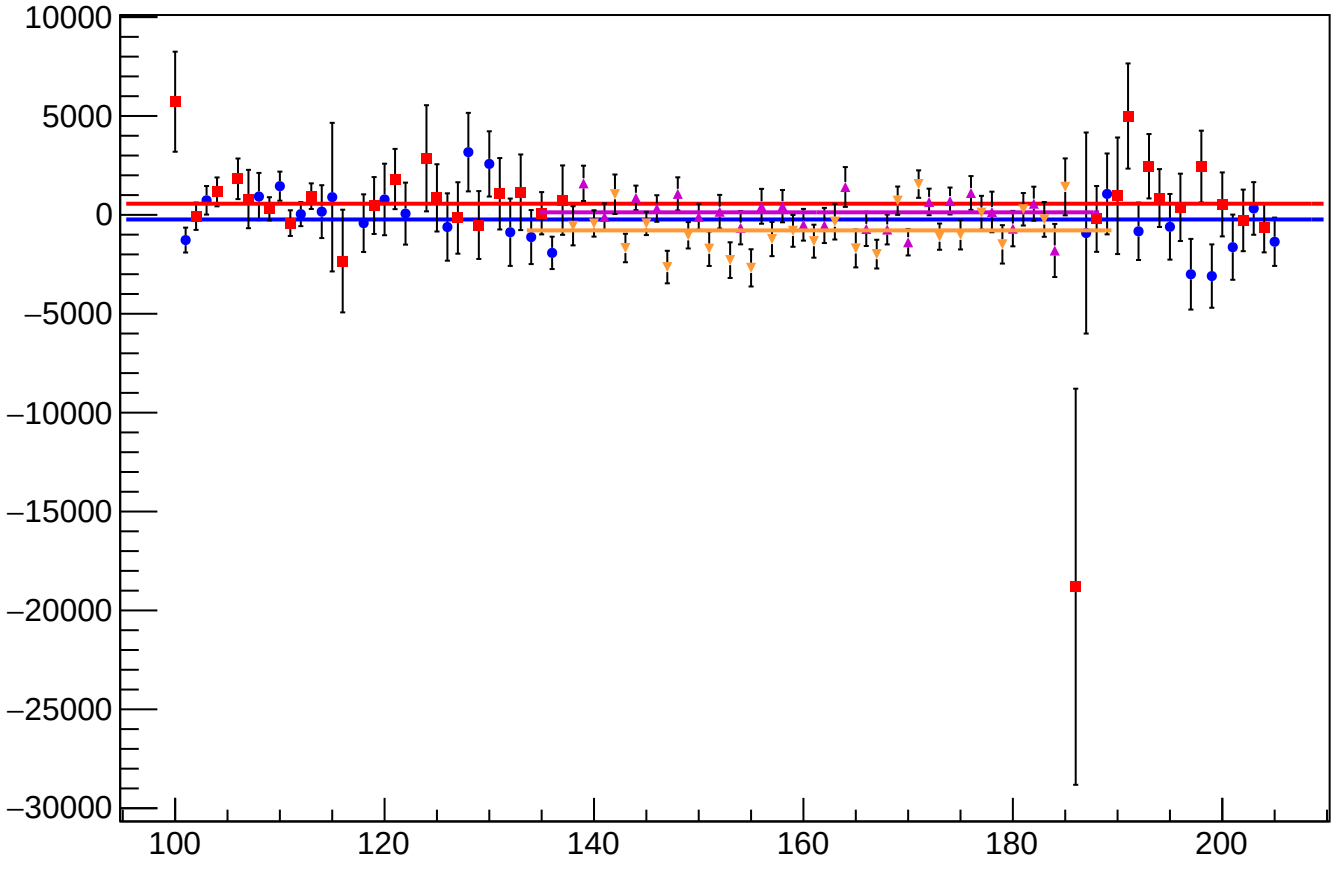
Left: 113.723+/-0.013 χ^2/NDF: 2895945.2/47

Right: 102.543+/-0.014 χ^2/NDF: 5820563.0/54

In: 108.894+/-0.014 χ^2/NDF:3703742.9/47

Out: 107.967+/-0.014 χ^2/NDF:5336496.8/54

All: 108.415+/-0.010 χ^2/NDF: 9042483.7/102



Right In: -232.704+/-233.873 χ^2/NDF: 30.2/24

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: 563.918+/-219.566 χ^2/NDF: 24.1/29

Left In: 128.154+/-165.255 χ^2/NDF:22.7/22

Left: -341.433+/-115.128 χ^2/NDF: 83.8/47

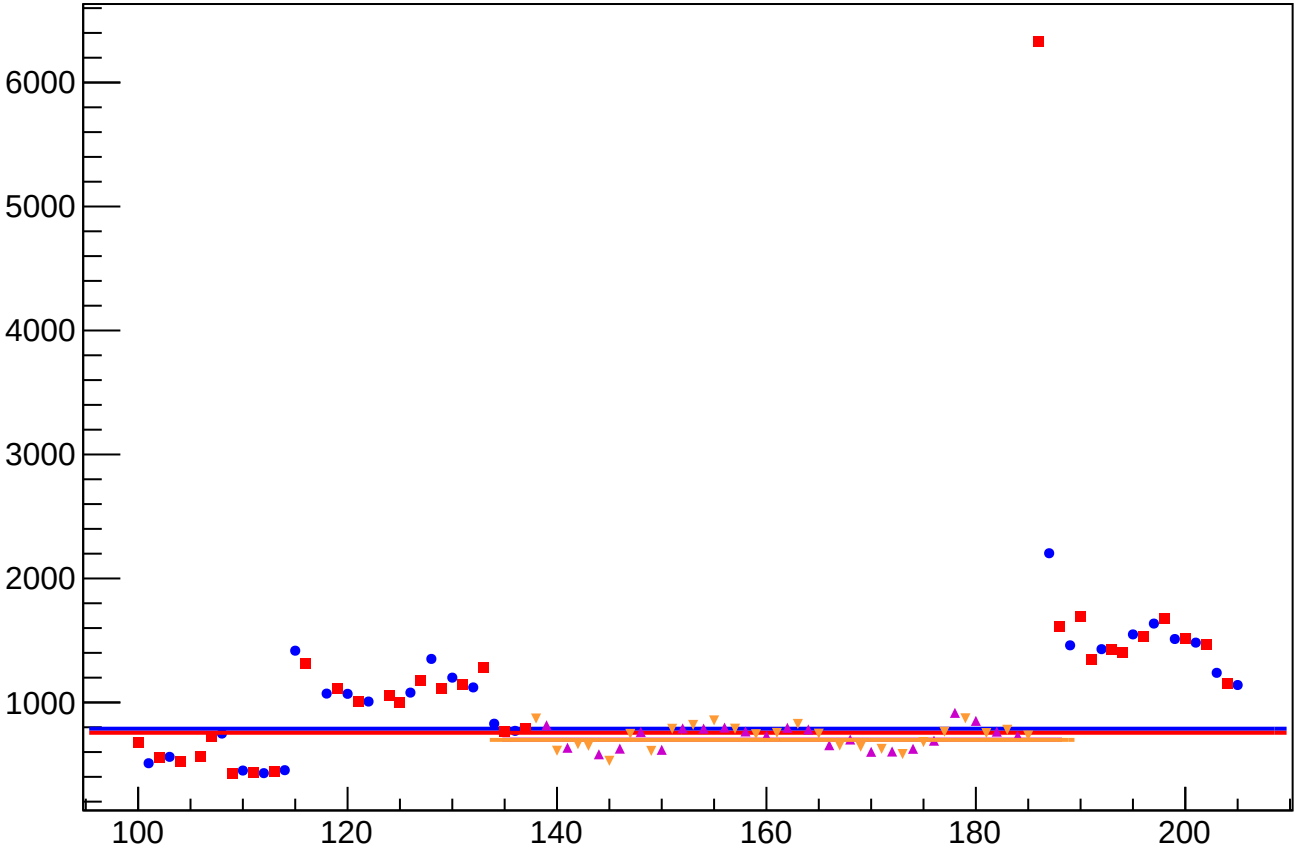
Right: 190.717+/-160.076 χ^2/NDF: 60.5/54

In: 7.983+/-134.962 χ^2/NDF:54.5/47

Out: -314.837+/-129.563 χ^2/NDF:94.1/54

All: -160.013+/-93.465 χ^2/NDF: 151.6/102

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 788.268+/-0.165 χ^2/NDF: 5266677.6/24

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 755.548+/-0.155 χ^2/NDF: 6975956.2/29

Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

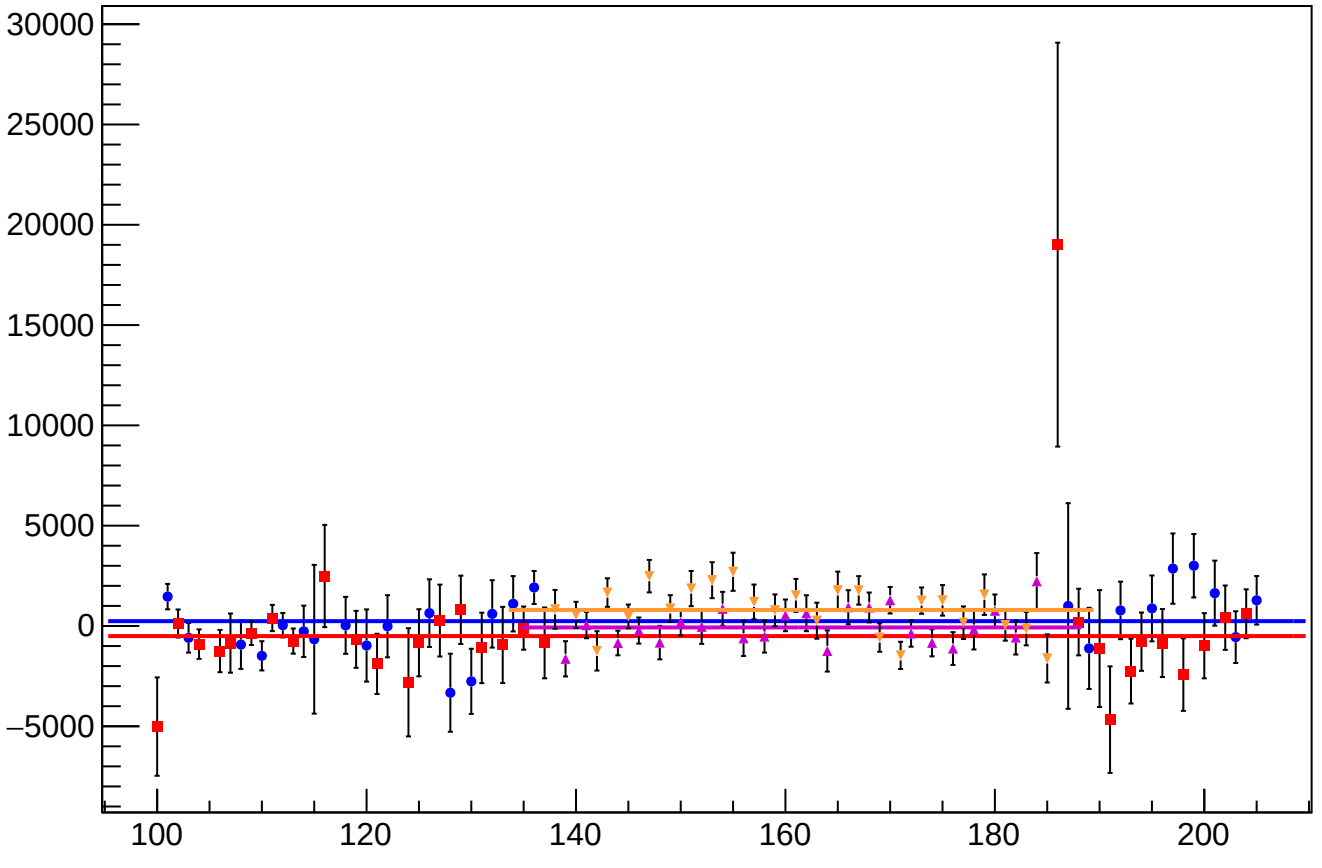
Left: 699.130+/-0.081 χ^2/NDF: 1299127.2/47

Right: 770.877+/-0.113 χ^2/NDF: 12263440.7/54

In: 729.447+/-0.095 χ^2/NDF:6040670.5/47

Out: 718.193+/-0.092 χ^2/NDF:7779460.1/54

All: 723.590+/-0.066 χ^2/NDF: 13827368.3/10



Right In: 239.932+/-233.458 χ^2/NDF: 31.7/24

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: -504.749+/-219.344 χ^2/NDF: 21.4/29

Left In: -73.501+/-162.879 χ^2/NDF:24.9/22

Left: 374.544+/-113.461 χ^2/NDF: 86.0/47

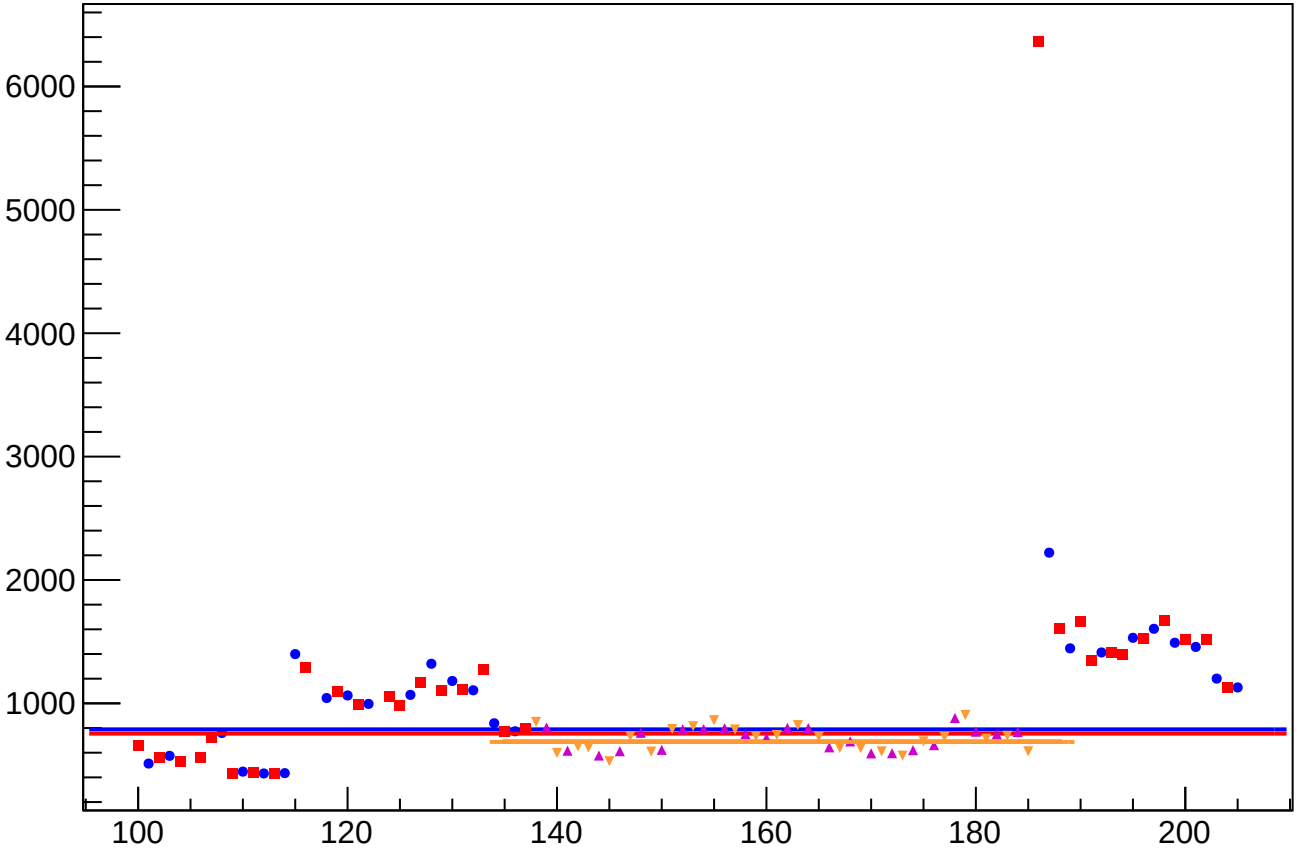
Right: -155.599+/-159.856 χ^2/NDF: 58.5/54

In: 29.116+/-133.581 χ^2/NDF:57.8/47

Out: 351.710+/-128.278 χ^2/NDF:90.9/54

All: 196.944+/-92.524 χ^2/NDF: 151.8/102

asym_sam_1548_avg_rms vs Slug, Sign Corrected



Right In: 789.102+/-0.165 χ^2/NDF: 5109810.1/24

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

Right Out: 754.705+/-0.155 χ^2/NDF: 6937672.5/29

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

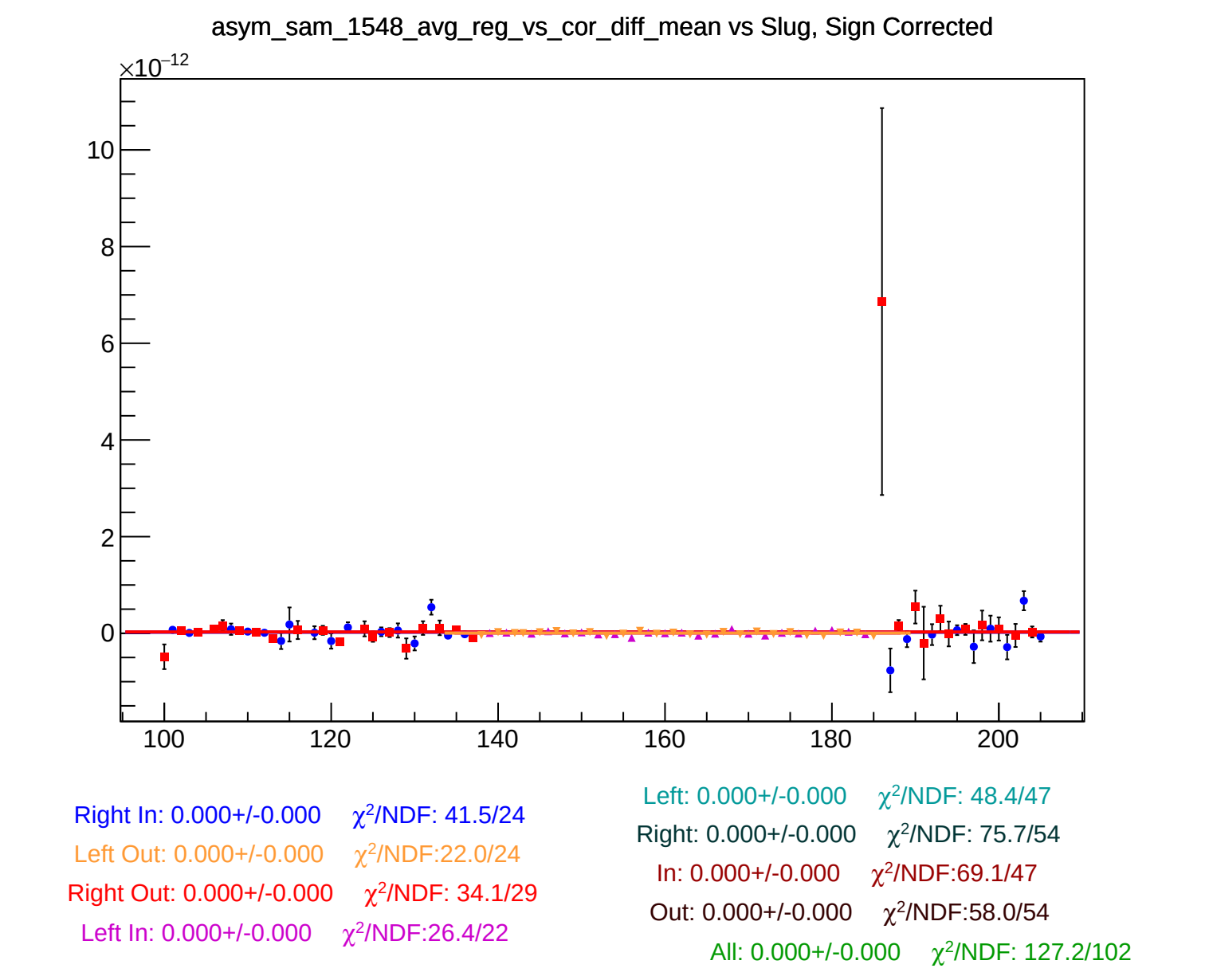
Left: 688.579+/-0.080 χ^2/NDF: 1295377.3/47

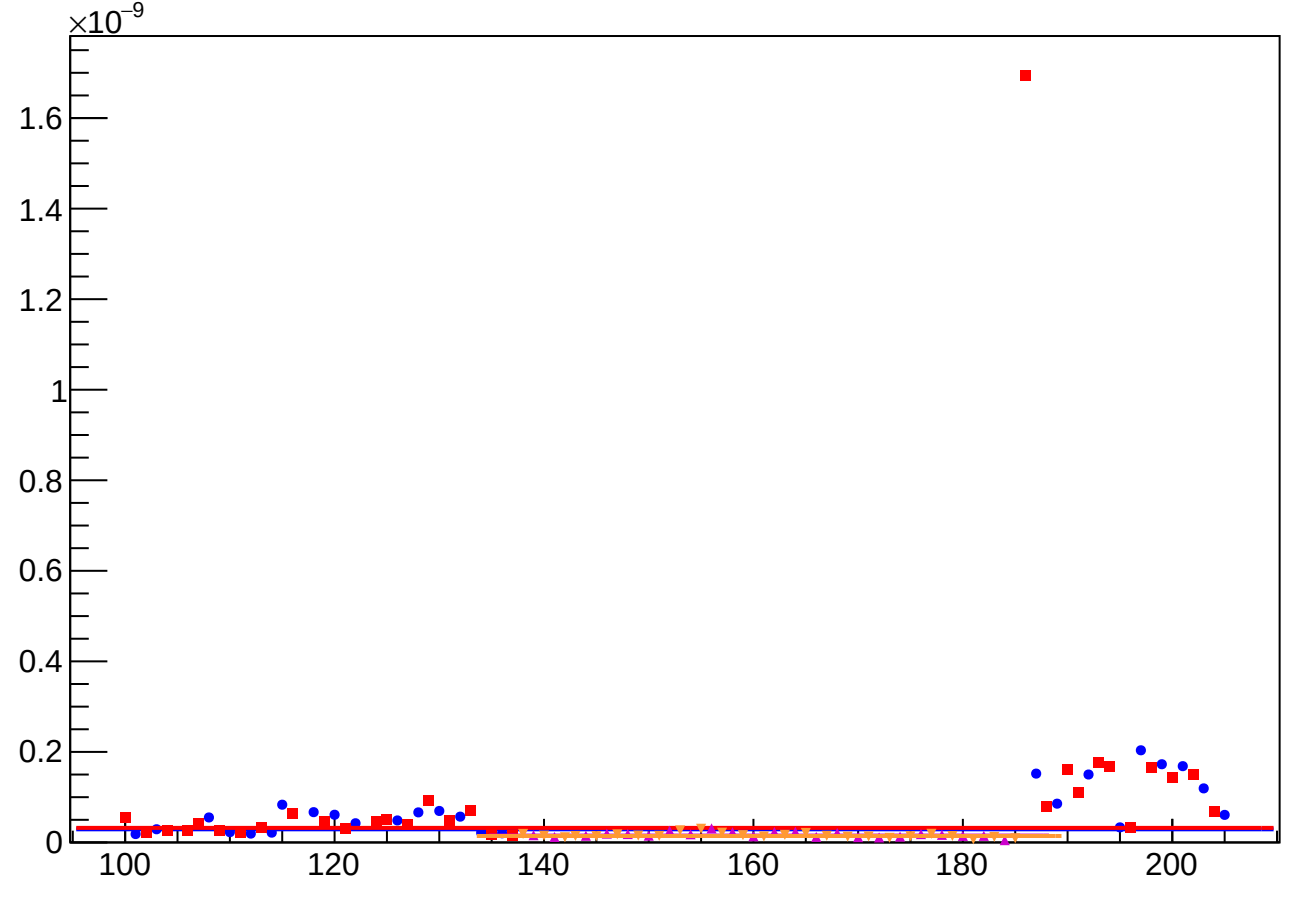
Right: 770.832+/-0.113 χ^2/NDF: 12070543.6/54

In: 722.444+/-0.094 χ^2/NDF:5919317.5/47

Out: 710.316+/-0.091 χ^2/NDF:7790148.2/54

All: 716.134+/-0.065 χ^2/NDF: 13718041.4/10


asym_sam_1548_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 41.5/24
Left Out: 0.000+/-0.000 χ²/NDF:22.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.1/29
Left In: 0.000+/-0.000 χ²/NDF:26.4/22
Left: 0.000+/-0.000 χ²/NDF: 48.4/47
Right: 0.000+/-0.000 χ²/NDF: 75.7/54
In: 0.000+/-0.000 χ²/NDF:69.1/47
Out: 0.000+/-0.000 χ²/NDF:58.0/54
All: 0.000+/-0.000 χ²/NDF: 127.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 4758133.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4766154.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

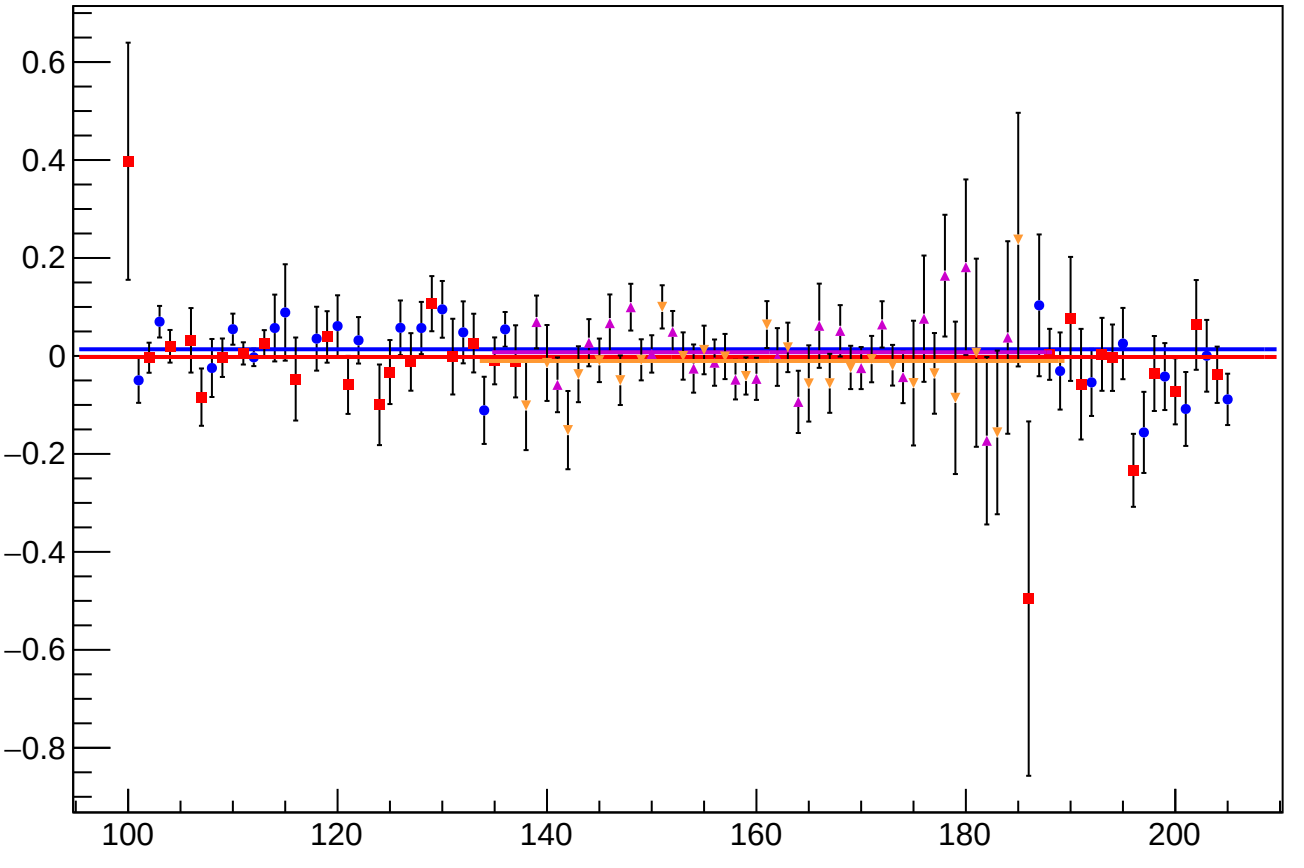
Left: 0.000+/-0.000 χ^2/NDF: 2124302.0/47

Right: 0.000+/-0.000 χ^2/NDF: 9567710.8/54

In: 0.000+/-0.000 χ^2/NDF:7385208.7/47

Out: 0.000+/-0.000 χ^2/NDF:8067948.0/54

All: 0.000+/-0.000 χ^2/NDF: 15479297.8/102



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

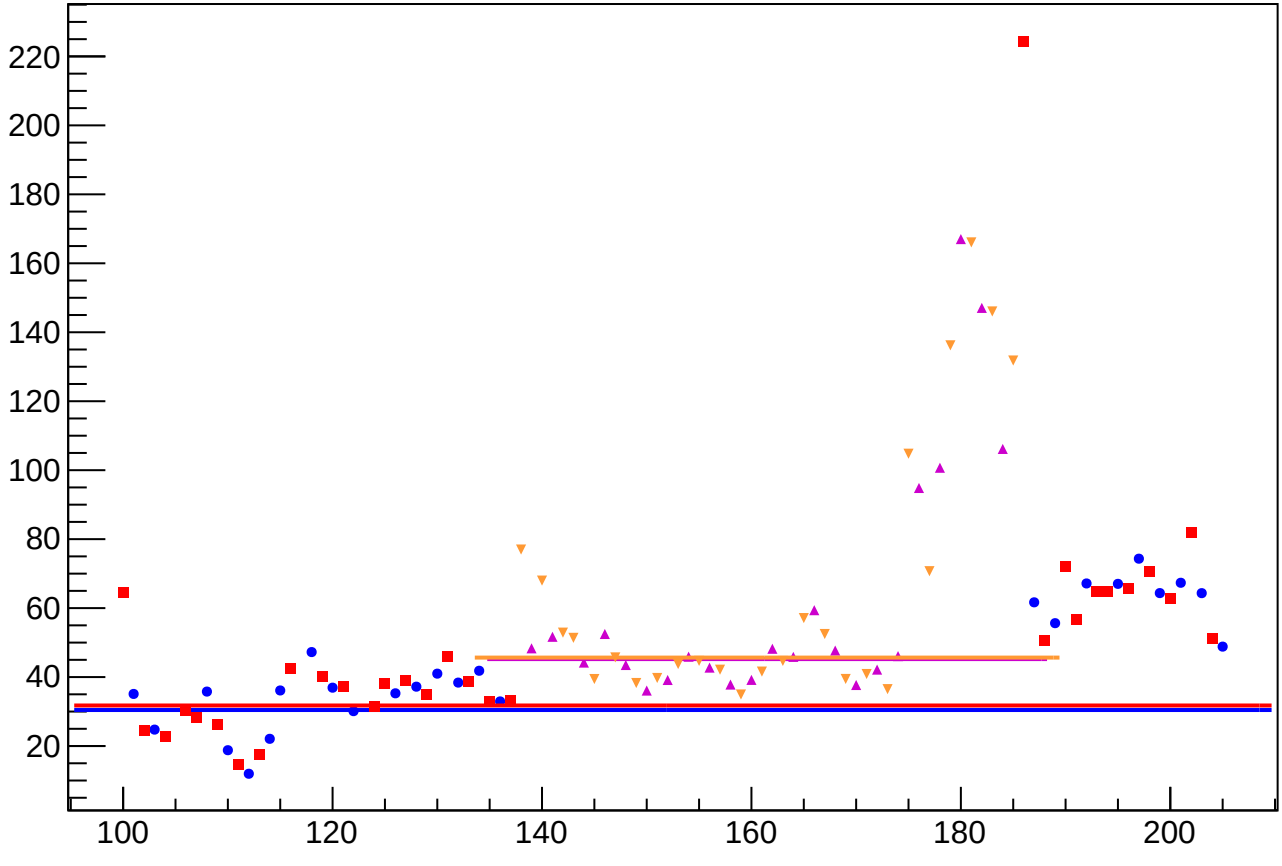
Right: 0.006+/-0.007 χ^2/NDF: 60.7/54

In: 0.011+/-0.007 χ^2/NDF:54.4/47

Out: -0.005+/-0.007 χ^2/NDF:46.8/54

All: 0.003+/-0.005 χ^2/NDF: 103.7/102

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.444+/-0.007 χ^2/NDF: 6492650.4/24

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 31.760+/-0.007 χ^2/NDF: 6504886.7/29

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

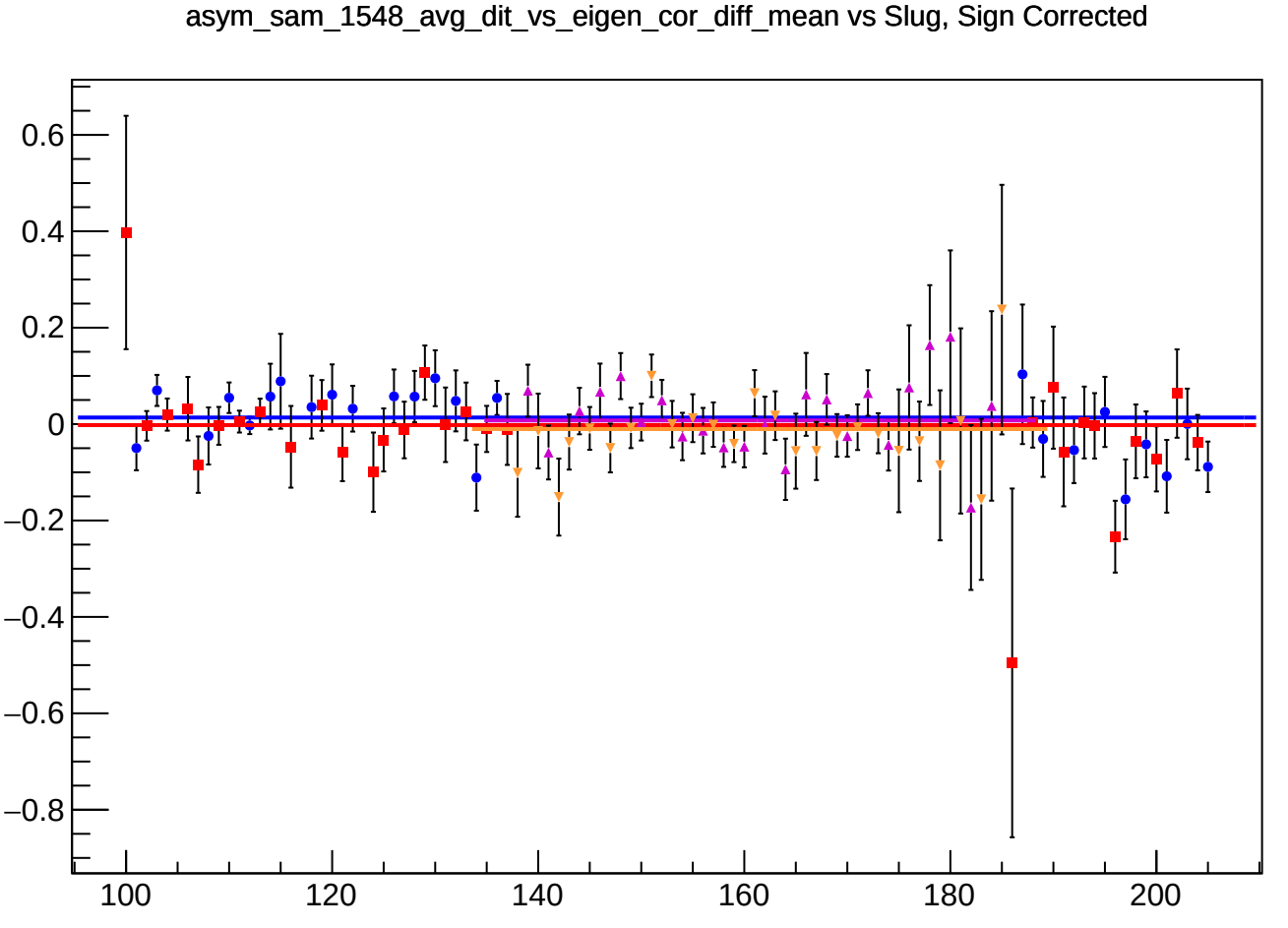
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 31.109+/-0.005 χ^2/NDF: 13016795.3/54

In: 36.508+/-0.005 χ^2/NDF:11459583.2/47

Out: 37.477+/-0.005 χ^2/NDF:12306304.1/54

All: 36.998+/-0.004 χ^2/NDF: 23783606.2/102



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

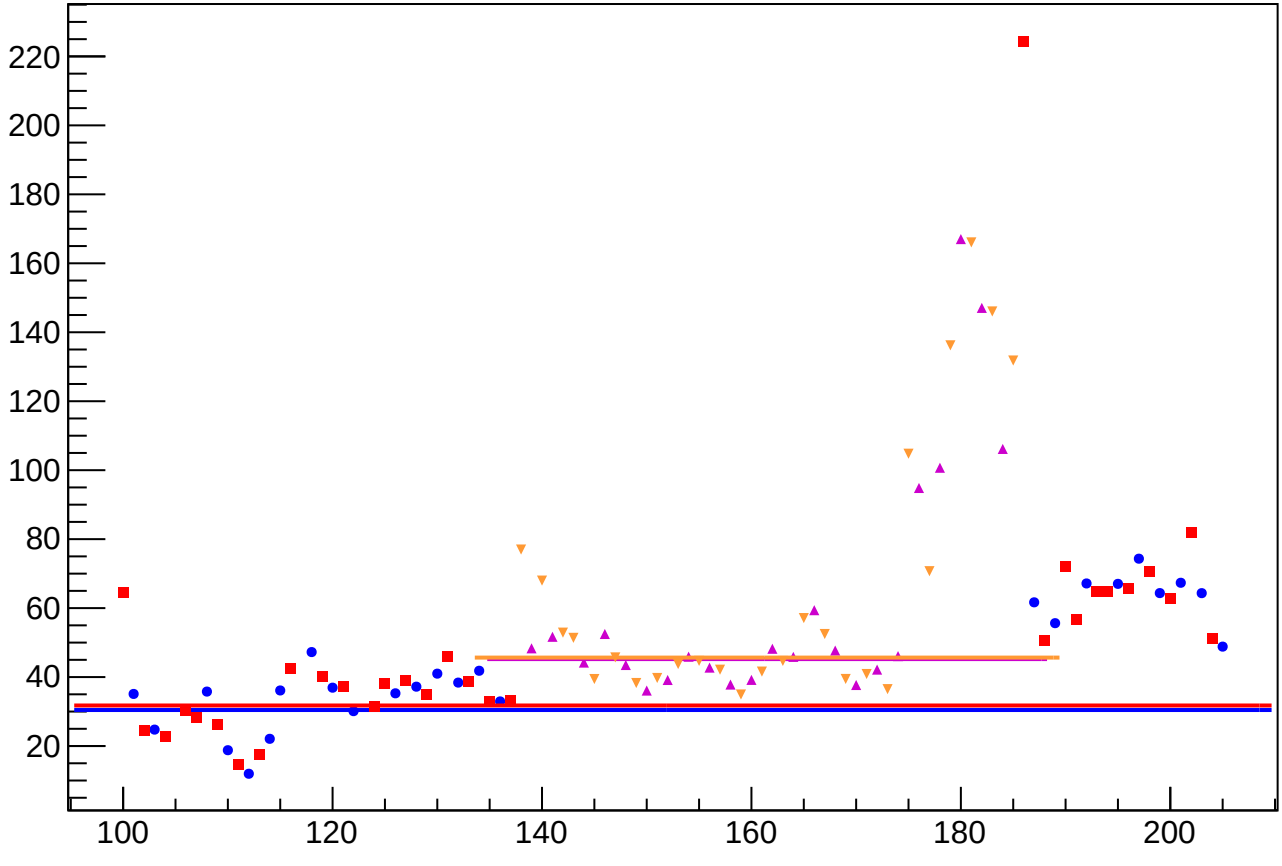
Right: 0.006+/-0.007 χ^2/NDF: 60.7/54

In: 0.011+/-0.007 χ^2/NDF:54.4/47

Out: -0.005+/-0.007 χ^2/NDF:46.8/54

All: 0.003+/-0.005 χ^2/NDF: 103.7/102

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.444+/-0.007 χ^2/NDF: 6492650.4/24

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

Right Out: 31.760+/-0.007 χ^2/NDF: 6504886.7/29

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

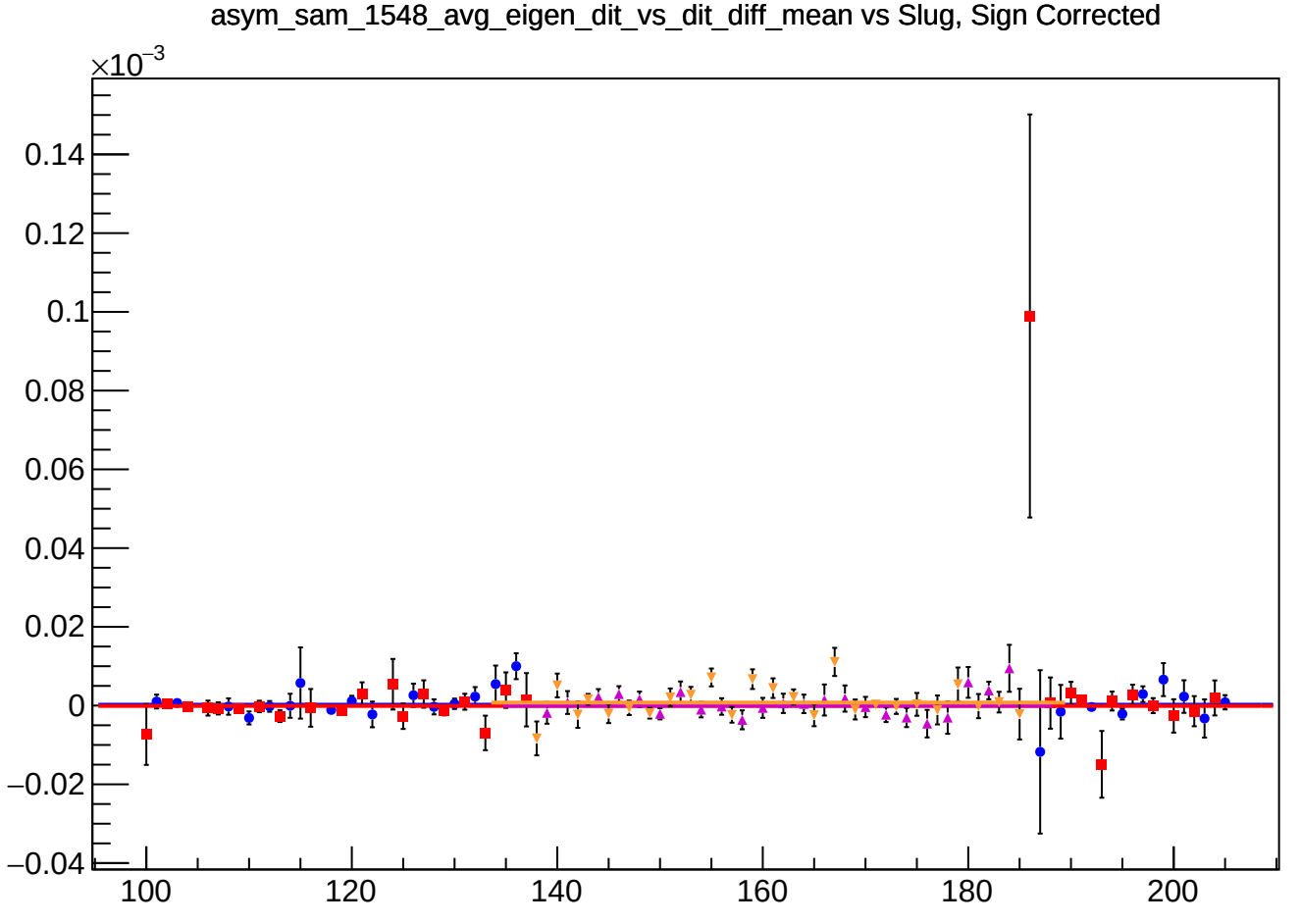
Left: 45.436+/-0.006 χ^2/NDF: 7009219.9/47

Right: 31.109+/-0.005 χ^2/NDF: 13016795.3/54

In: 36.508+/-0.005 χ^2/NDF:11459583.2/47

Out: 37.477+/-0.005 χ^2/NDF:12306304.1/54

All: 36.998+/-0.004 χ^2/NDF: 23783606.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/29

Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

Left: 0.000+/-0.000 χ^2/NDF: 72.0/47

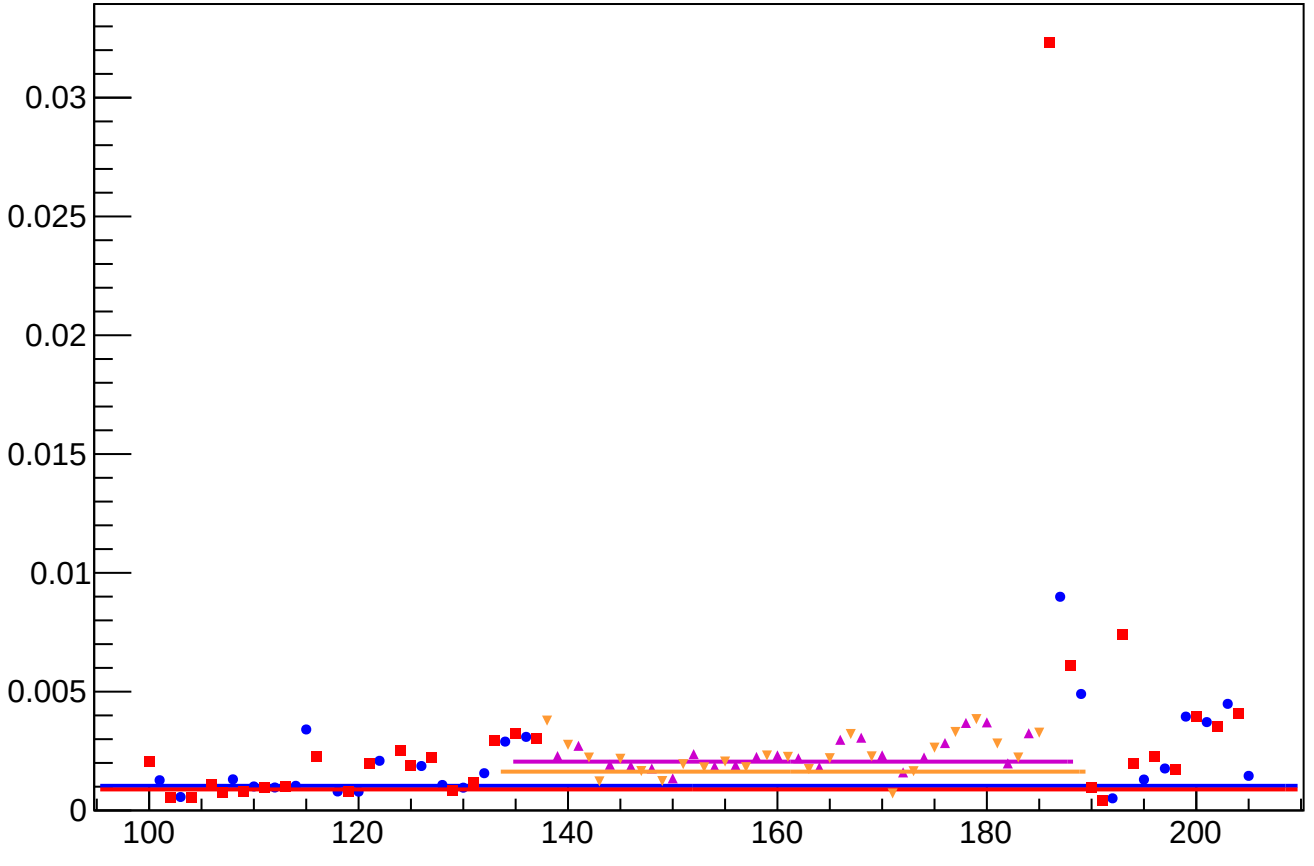
Right: 0.000+/-0.000 χ^2/NDF: 55.5/54

In: 0.000+/-0.000 χ^2/NDF:52.4/47

Out: 0.000+/-0.000 χ^2/NDF:76.2/54

All: 0.000+/-0.000 χ^2/NDF: 128.6/102

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 7436510.4/24

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11737725.8/29

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

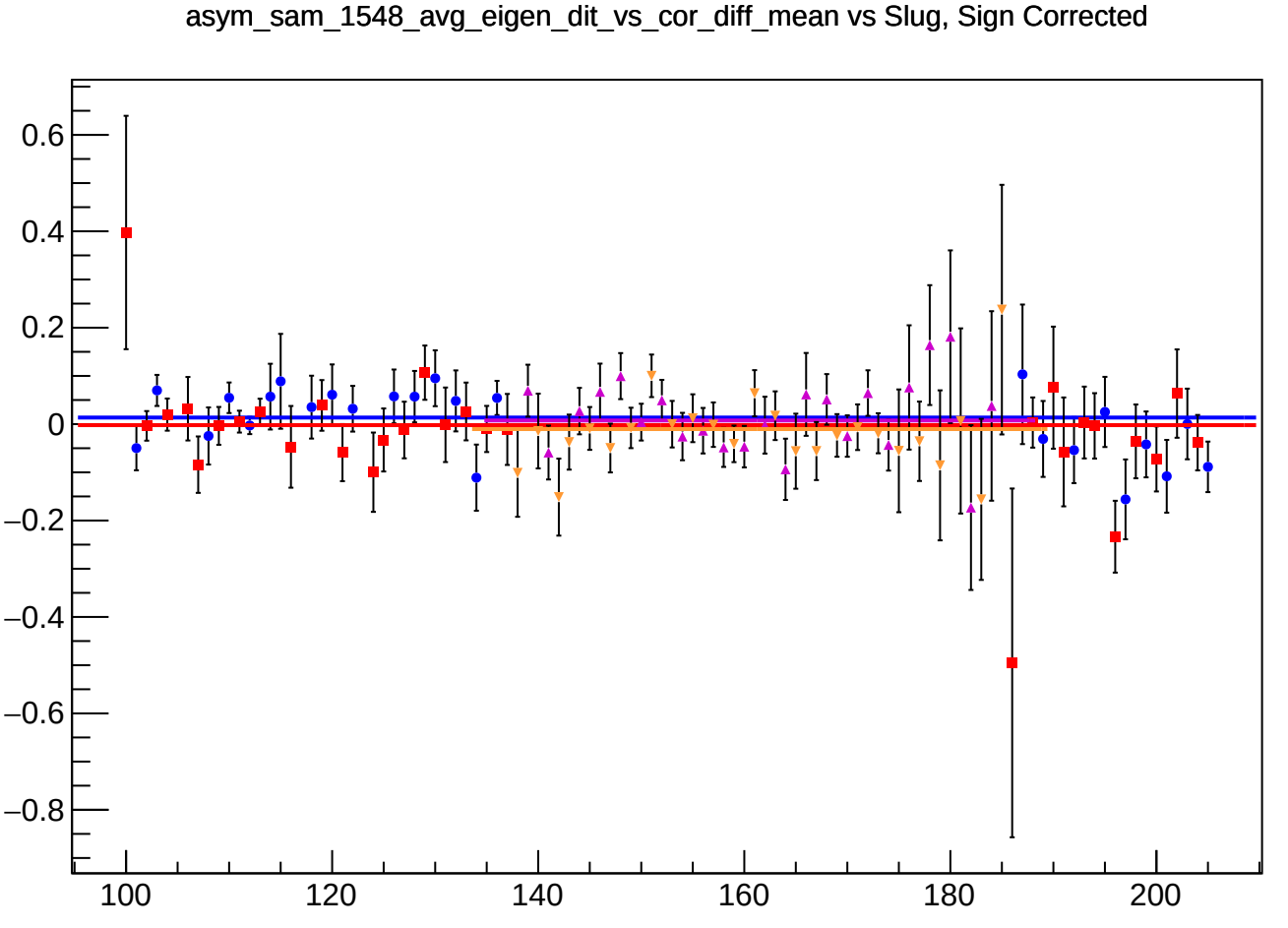
Left: 0.002+/-0.000 χ^2/NDF: 9430299.1/47

Right: 0.001+/-0.000 χ^2/NDF: 19391844.6/54

In: 0.001+/-0.000 χ^2/NDF:15111249.6/47

Out: 0.001+/-0.000 χ^2/NDF:22559470.1/54

All: 0.001+/-0.000 χ^2/NDF: 38371659.1/102



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: -0.002+/-0.009 χ^2/NDF: 28.4/29

Left In: 0.008+/-0.011 χ^2/NDF:23.3/22

Left: -0.001+/-0.008 χ^2/NDF: 42.6/47

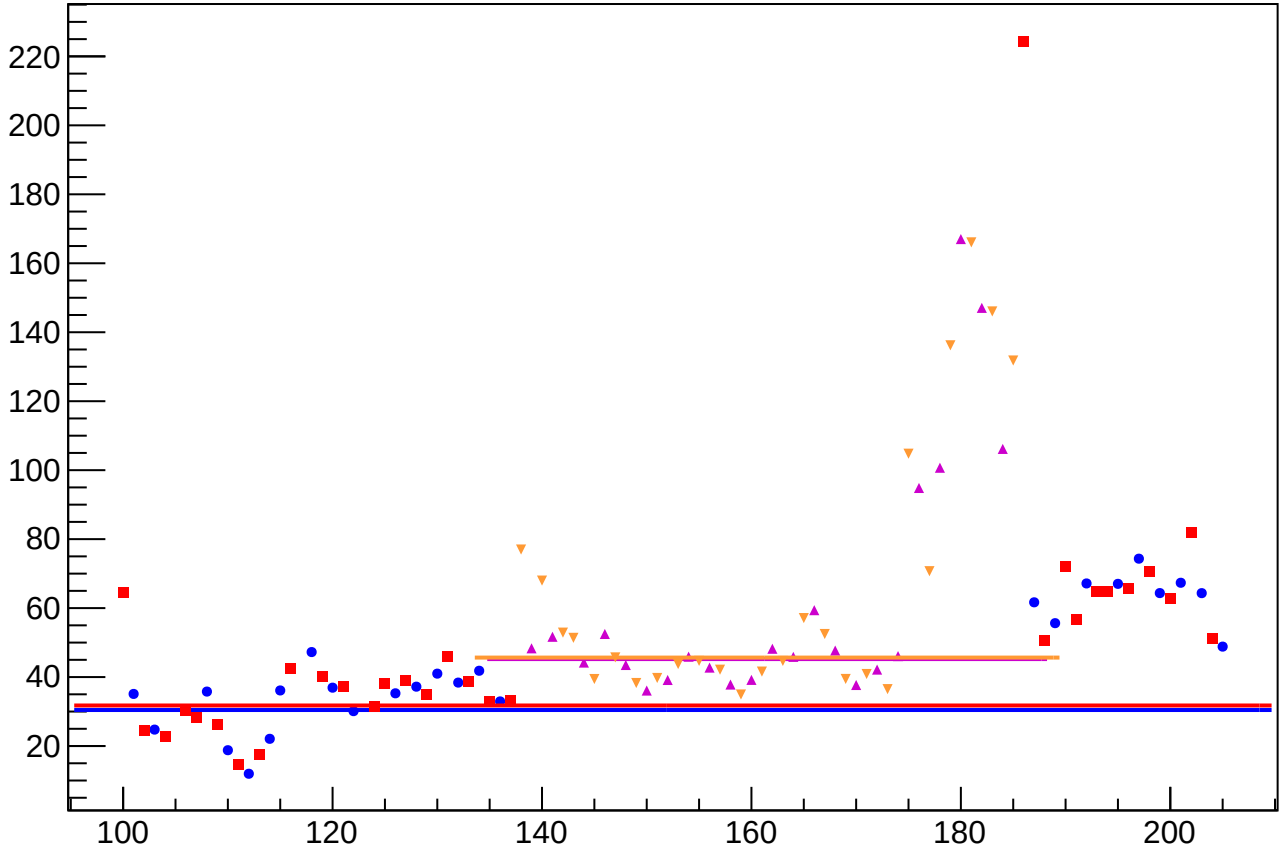
Right: 0.006+/-0.007 χ^2/NDF: 60.7/54

In: 0.011+/-0.007 χ^2/NDF:54.4/47

Out: -0.005+/-0.007 χ^2/NDF:46.8/54

All: 0.003+/-0.005 χ^2/NDF: 103.7/102

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.444+/-0.007 χ^2/NDF: 6492894.7/24

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 31.759+/-0.007 χ^2/NDF: 6505124.2/29

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

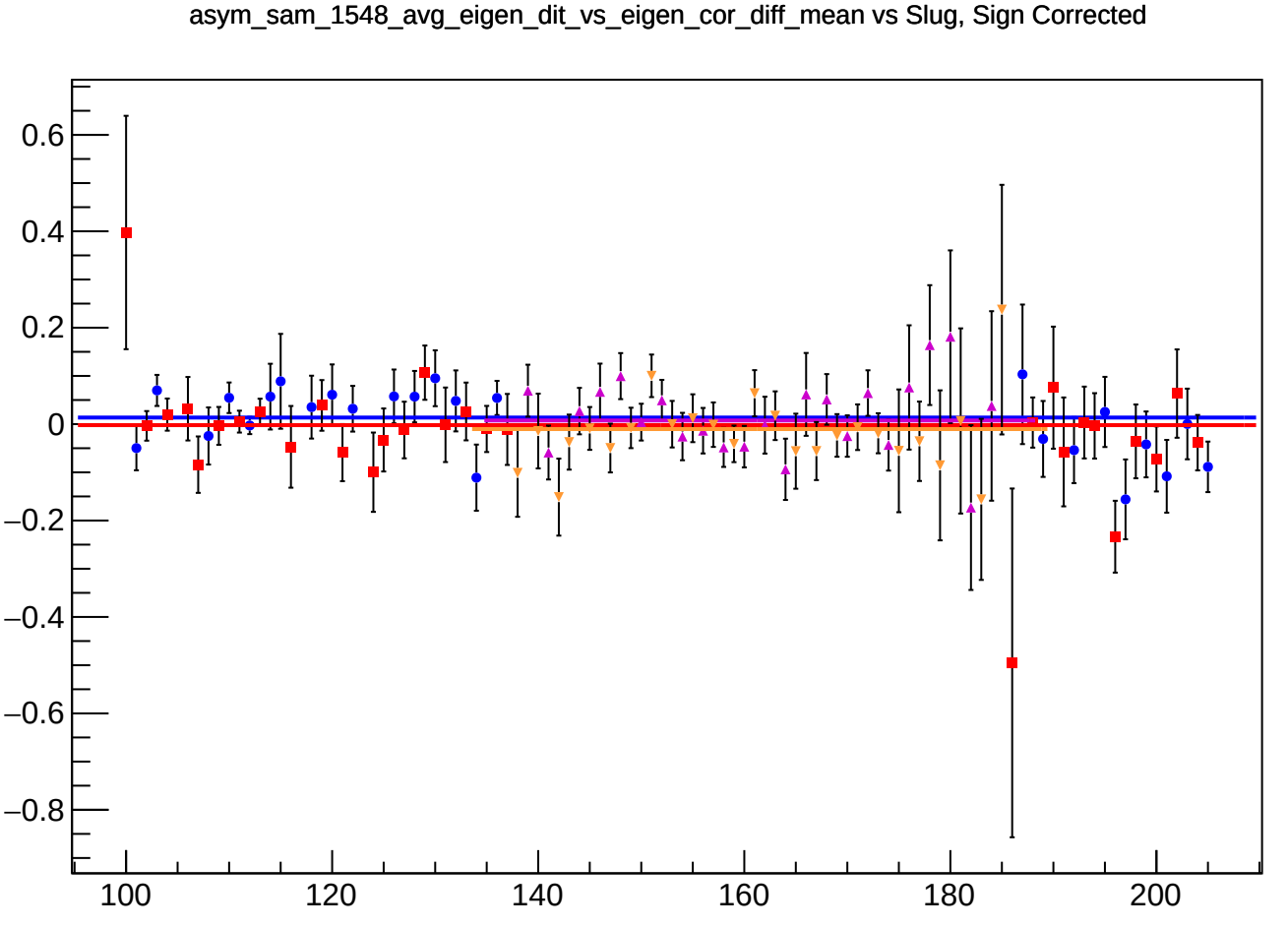
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 31.108+/-0.005 χ^2/NDF: 13017282.3/54

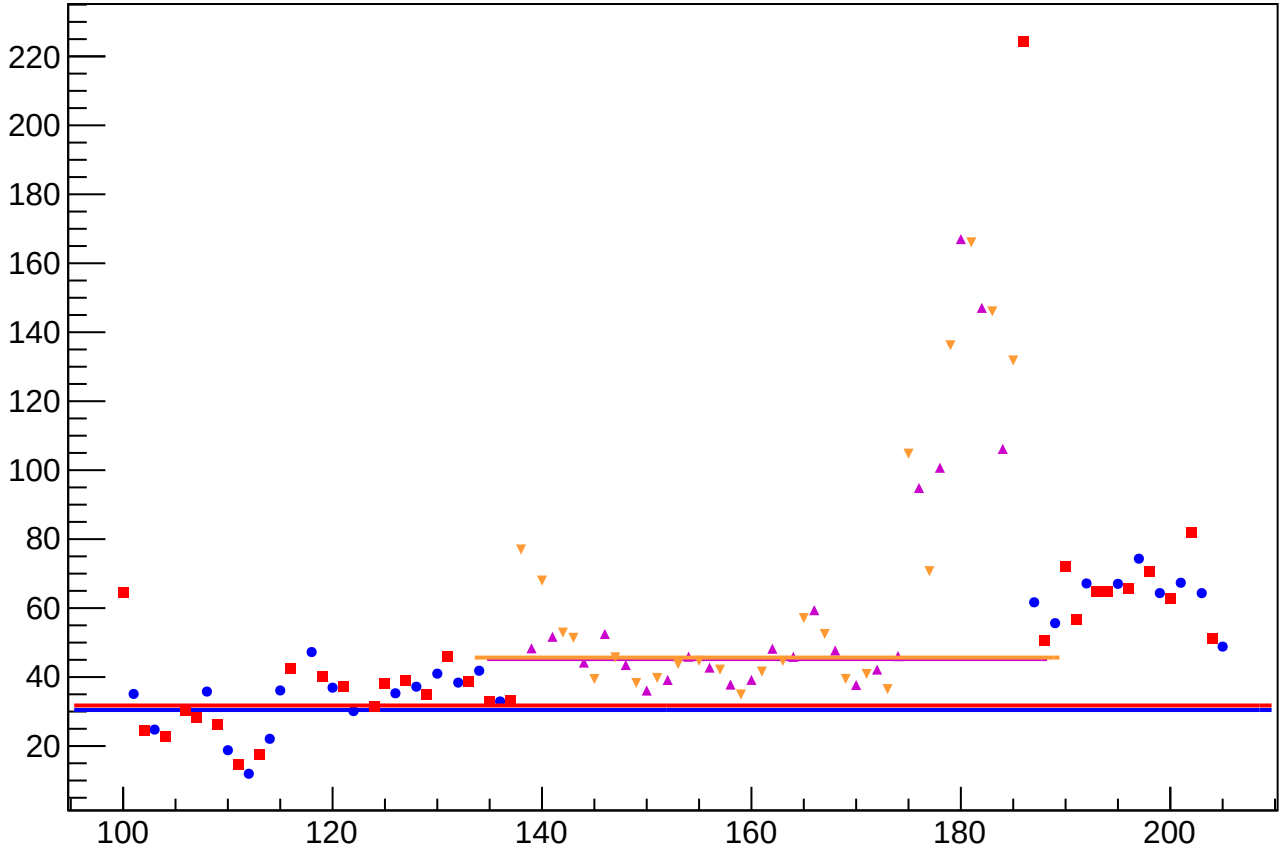
In: 36.508+/-0.005 χ^2/NDF:11460026.3/47

Out: 37.476+/-0.005 χ^2/NDF:12306678.8/54

All: 36.998+/-0.004 χ^2/NDF: 23784429.0/102


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
100
120
140
160
180
200
Right In: 0.014+/-0.010 χ²/NDF: 30.9/24
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.002+/-0.009 χ²/NDF: 28.4/29
Left In: 0.008+/-0.011 χ²/NDF:23.3/22
Left: -0.001+/-0.008 χ²/NDF: 42.6/47
Right: 0.006+/-0.007 χ²/NDF: 60.7/54
In: 0.011+/-0.007 χ²/NDF:54.4/47
Out: -0.005+/-0.007 χ²/NDF:46.8/54
All: 0.003+/-0.005 χ²/NDF: 103.7/102

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 30.444+/-0.007 χ^2/NDF: 6492894.7/24

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

Right Out: 31.759+/-0.007 χ^2/NDF: 6505124.2/29

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

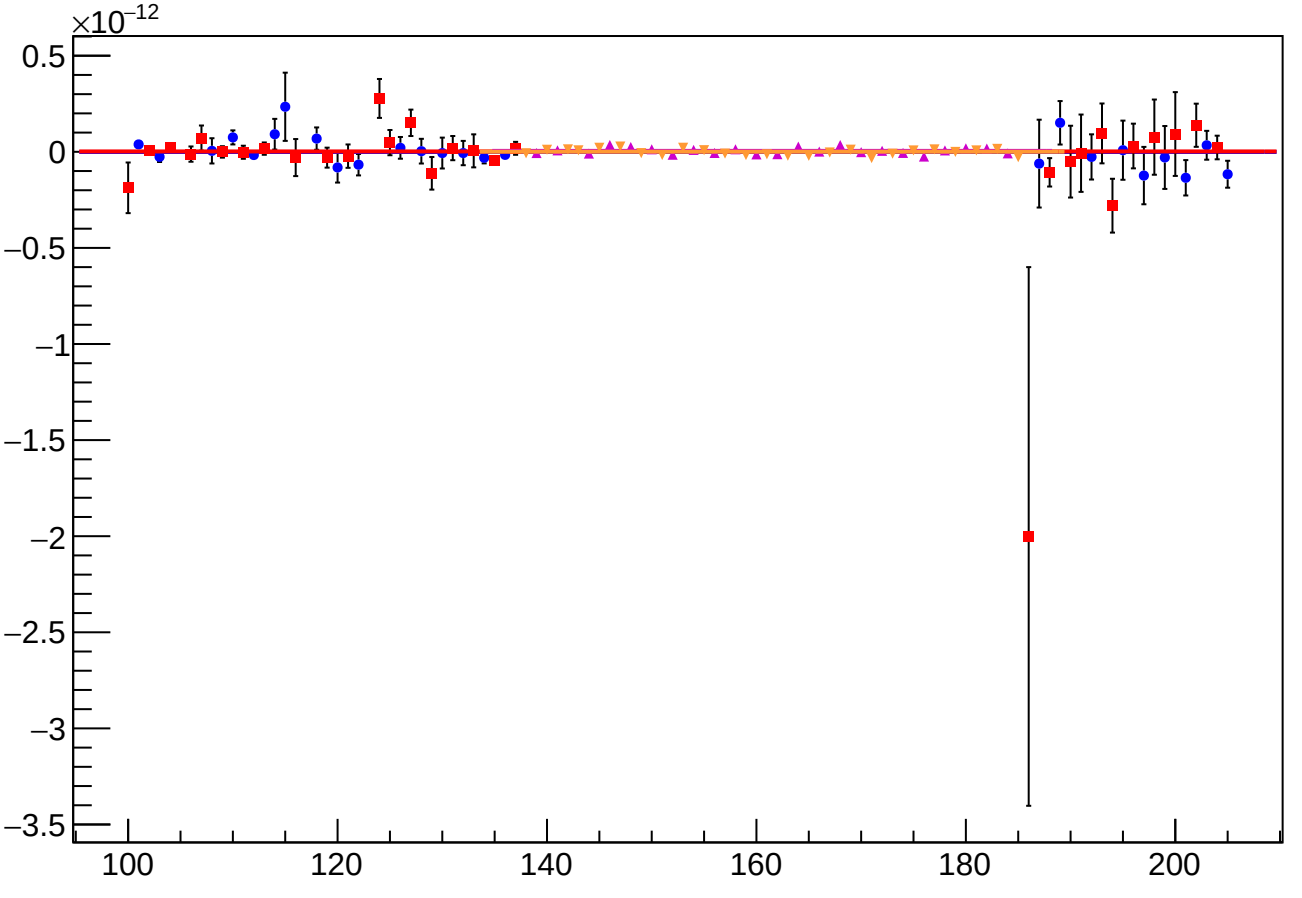
Left: 45.437+/-0.006 χ^2/NDF: 7009058.4/47

Right: 31.108+/-0.005 χ^2/NDF: 13017282.3/54

In: 36.508+/-0.005 χ^2/NDF:11460026.3/47

Out: 37.476+/-0.005 χ^2/NDF:12306678.8/54

All: 36.998+/-0.004 χ^2/NDF: 23784429.0/102



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.2/29

Left In: 0.000+/-0.000 χ^2/NDF:23.7/22

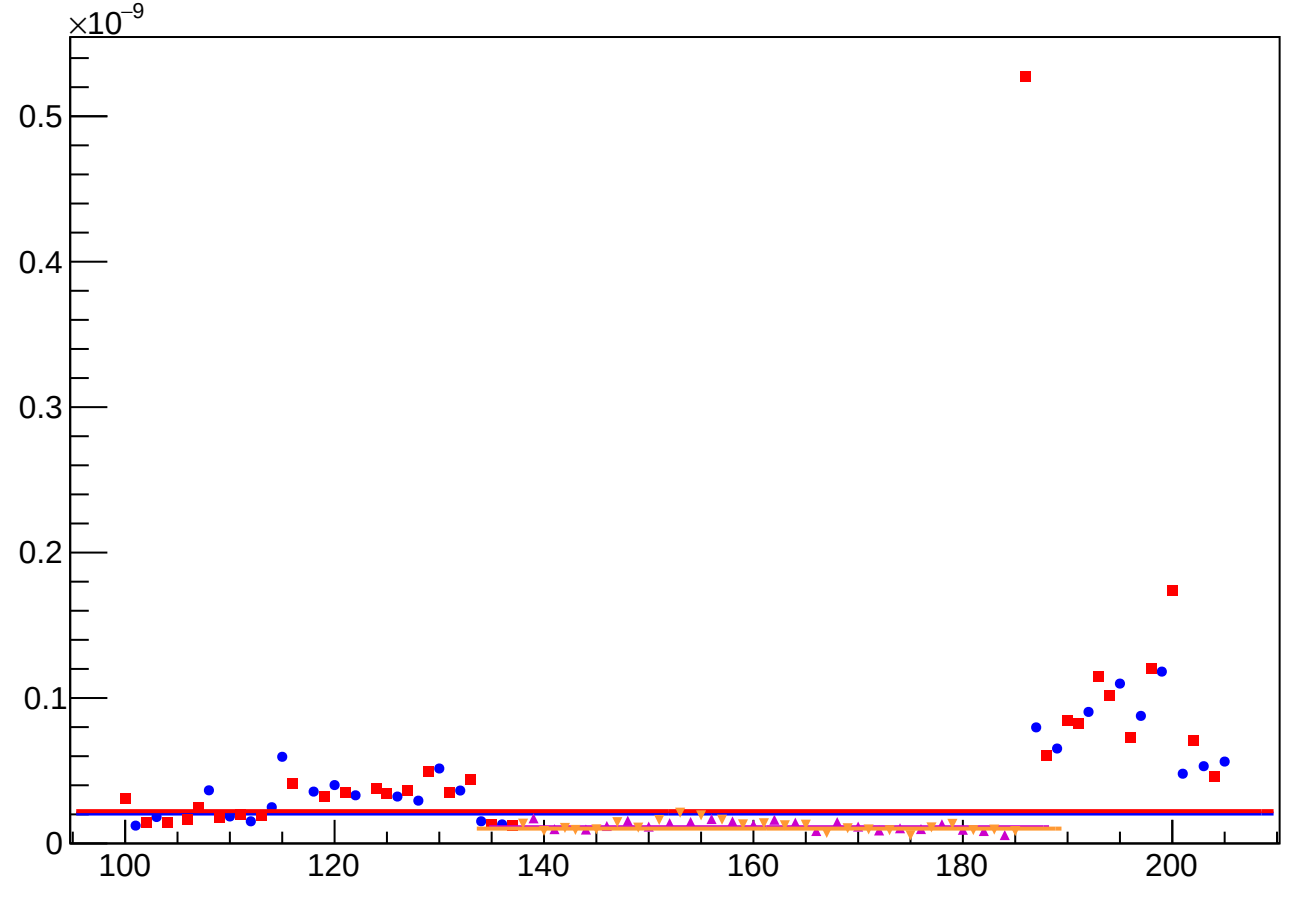
Left: 0.000+/-0.000 χ^2/NDF: 49.9/47

Right: 0.000+/-0.000 χ^2/NDF: 60.7/54

In: 0.000+/-0.000 χ^2/NDF:50.6/47

Out: 0.000+/-0.000 χ^2/NDF:59.6/54

All: 0.000+/-0.000 χ^2/NDF: 110.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 6088119.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6936556.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

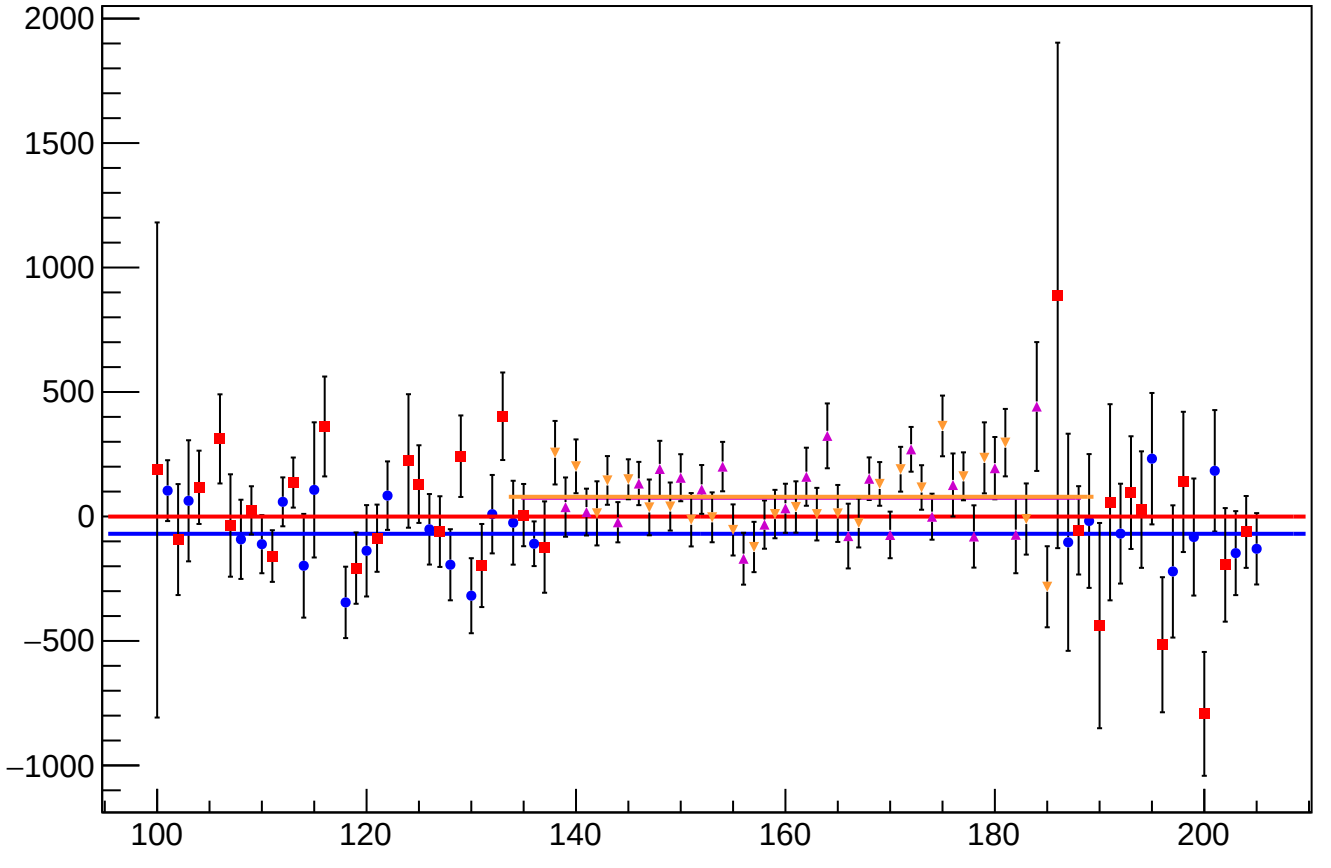
Left: 0.000+/-0.000 χ^2/NDF: 3895034.6/47

Right: 0.000+/-0.000 χ^2/NDF: 13061722.3/54

In: 0.000+/-0.000 χ^2/NDF:9801400.4/47

Out: 0.000+/-0.000 χ^2/NDF:12522749.0/54

All: 0.000+/-0.000 χ^2/NDF: 22434419.3/102



Right In: -69.555+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -0.423+/-30.932 χ^2/NDF: 41.9/29

Left In: 75.048+/-21.837 χ^2/NDF:32.6/22

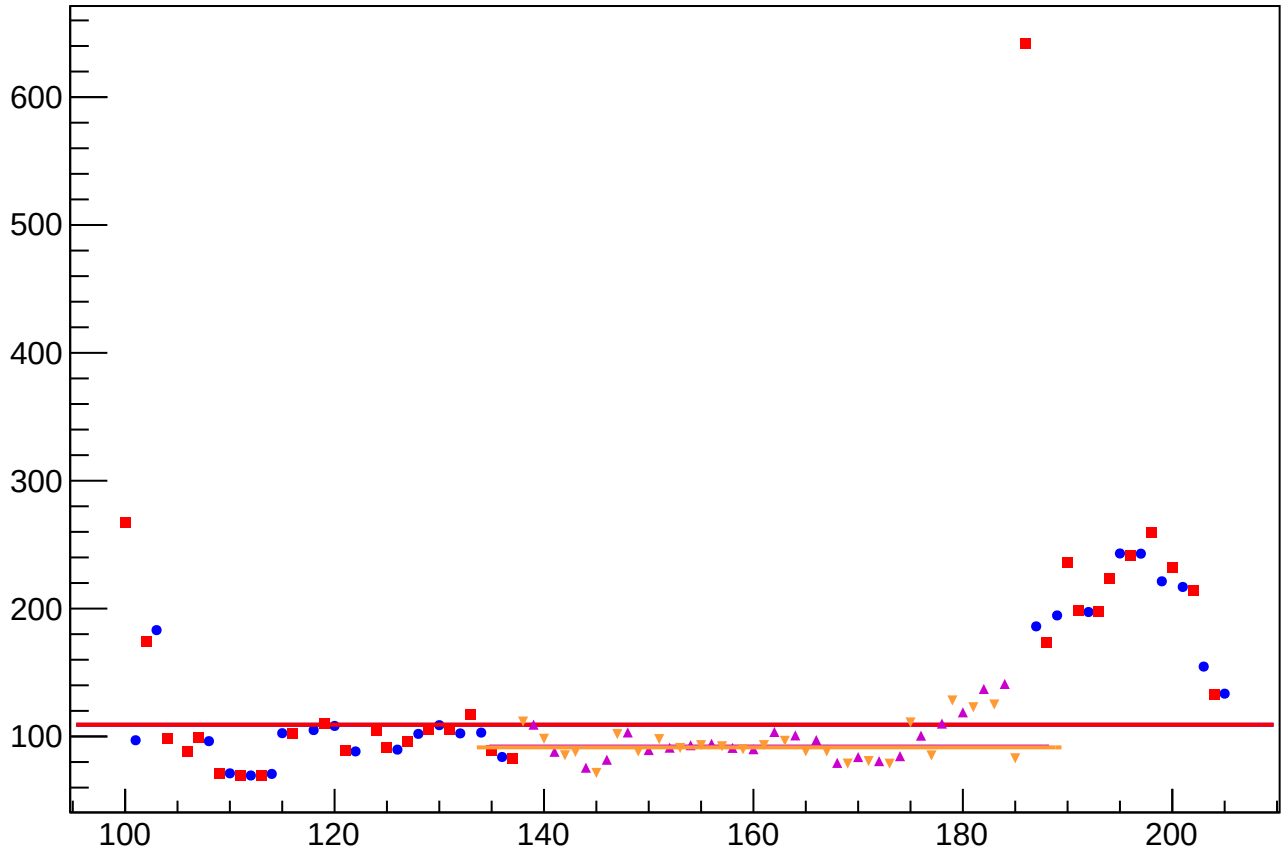
Left: 77.142+/-15.175 χ^2/NDF: 64.6/47

Right: -34.258+/-22.102 χ^2/NDF: 61.5/54

In: 28.299+/-17.964 χ^2/NDF:64.0/47

Out: 53.842+/-17.432 χ^2/NDF:78.4/54

All: 41.454+/-12.510 χ^2/NDF: 143.4/102



Right In: 109.152+/-0.022 χ^2/NDF: 3802038.5/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 109.194+/-0.022 χ^2/NDF: 5277083.9/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

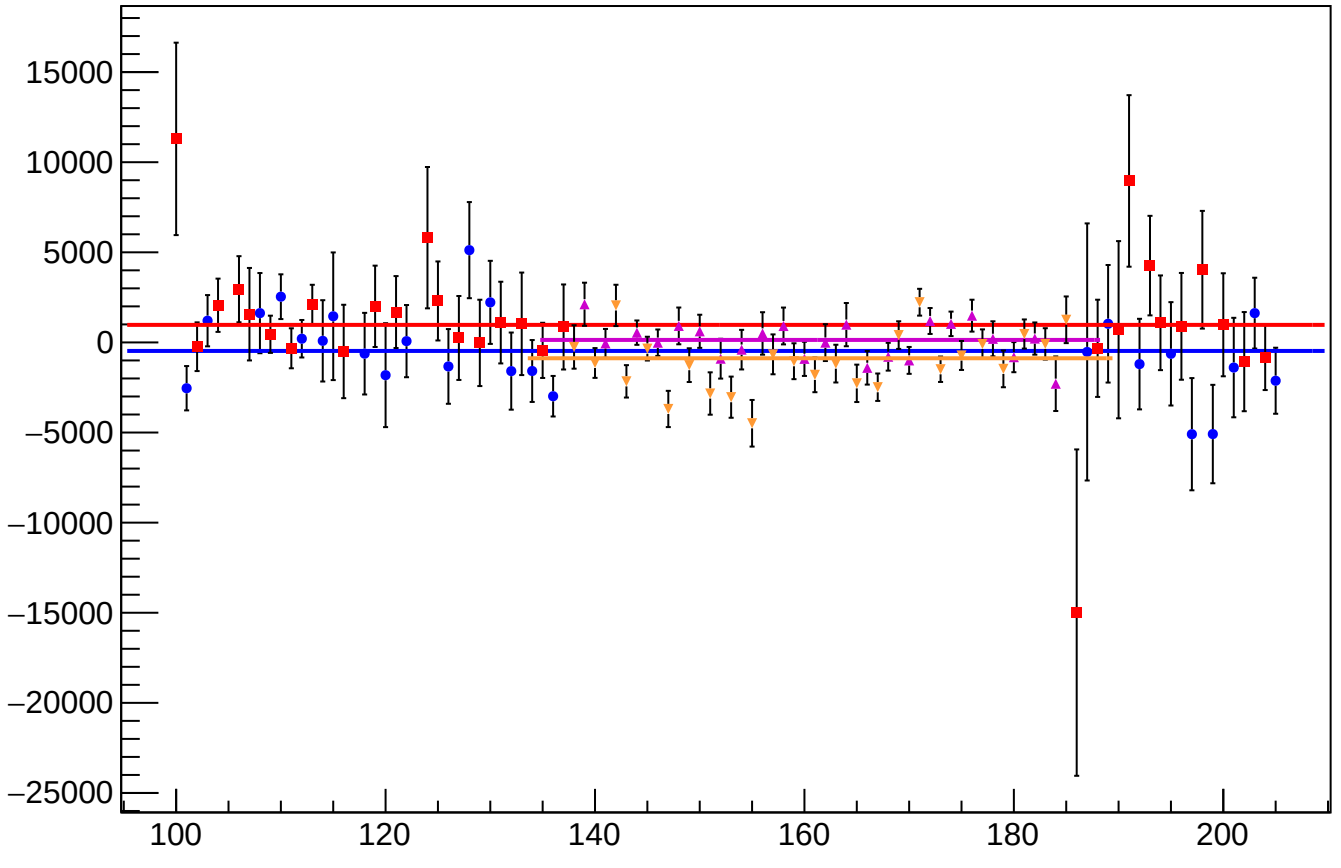
Left: 91.770+/-0.011 χ^2/NDF: 1451688.8/47

Right: 109.173+/-0.016 χ^2/NDF: 9079124.1/54

In: 97.613+/-0.013 χ^2/NDF:4895873.5/47

Out: 97.093+/-0.012 χ^2/NDF:6476804.0/54

All: 97.345+/-0.009 χ^2/NDF: 11373539.6/102



Right In: -472.641+/-377.979 χ^2/NDF: 31.1/24

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: 973.291+/-365.127 χ^2/NDF: 22.7/29

Left In: 138.728+/-186.573 χ^2/NDF:24.2/22

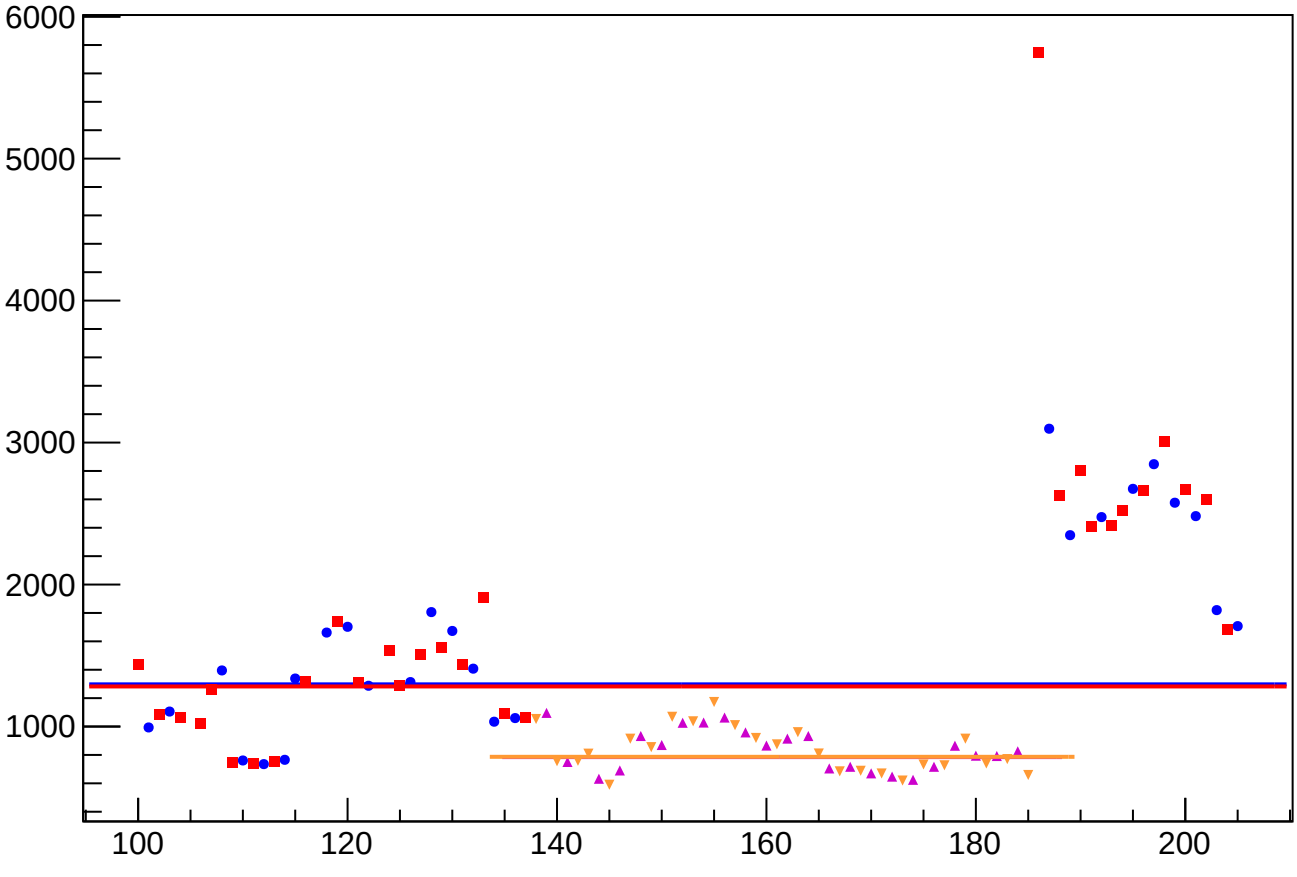
Left: -381.963+/-130.349 χ^2/NDF: 107.1/47

Right: 275.325+/-262.610 χ^2/NDF: 61.3/54

In: 18.952+/-167.302 χ^2/NDF:57.4/47

Out: -509.332+/-163.021 χ^2/NDF:111.0/54

All: -252.036+/-116.757 χ^2/NDF: 173.5/102



Right In: 1297.091+/-0.267 χ^2/NDF: 4369964.7/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1282.364+/-0.258 χ^2/NDF: 5975193.9/29

Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

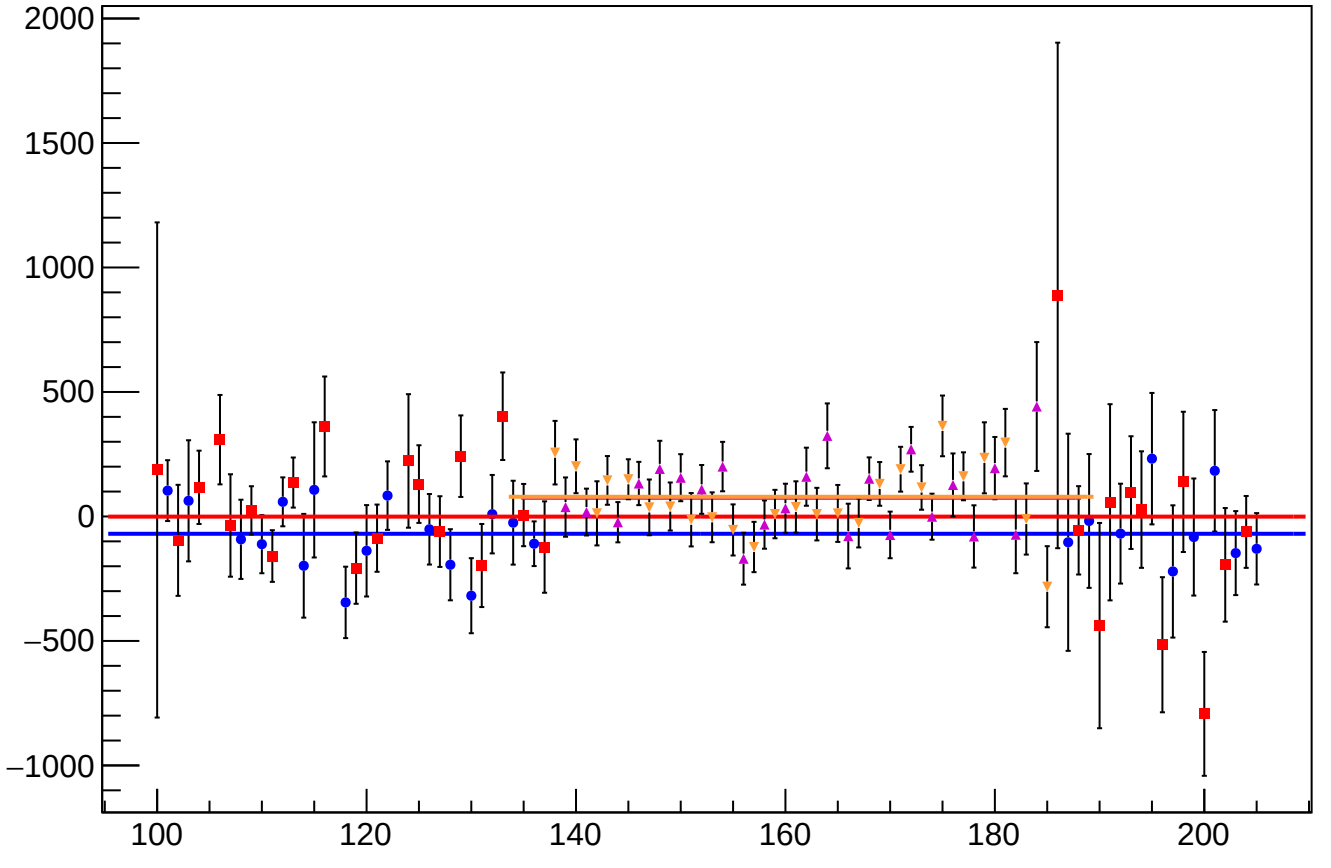
Left: 785.819+/-0.092 χ^2/NDF: 2274749.2/47

Right: 1289.473+/-0.186 χ^2/NDF: 10346729.1/54

In: 885.192+/-0.118 χ^2/NDF:8387456.0/47

Out: 885.553+/-0.115 χ^2/NDF:10136356.2/54

All: 885.377+/-0.083 χ^2/NDF: 18523817.0/10



Right In: -69.567+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -0.632+/-30.935 χ^2/NDF: 41.8/29

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

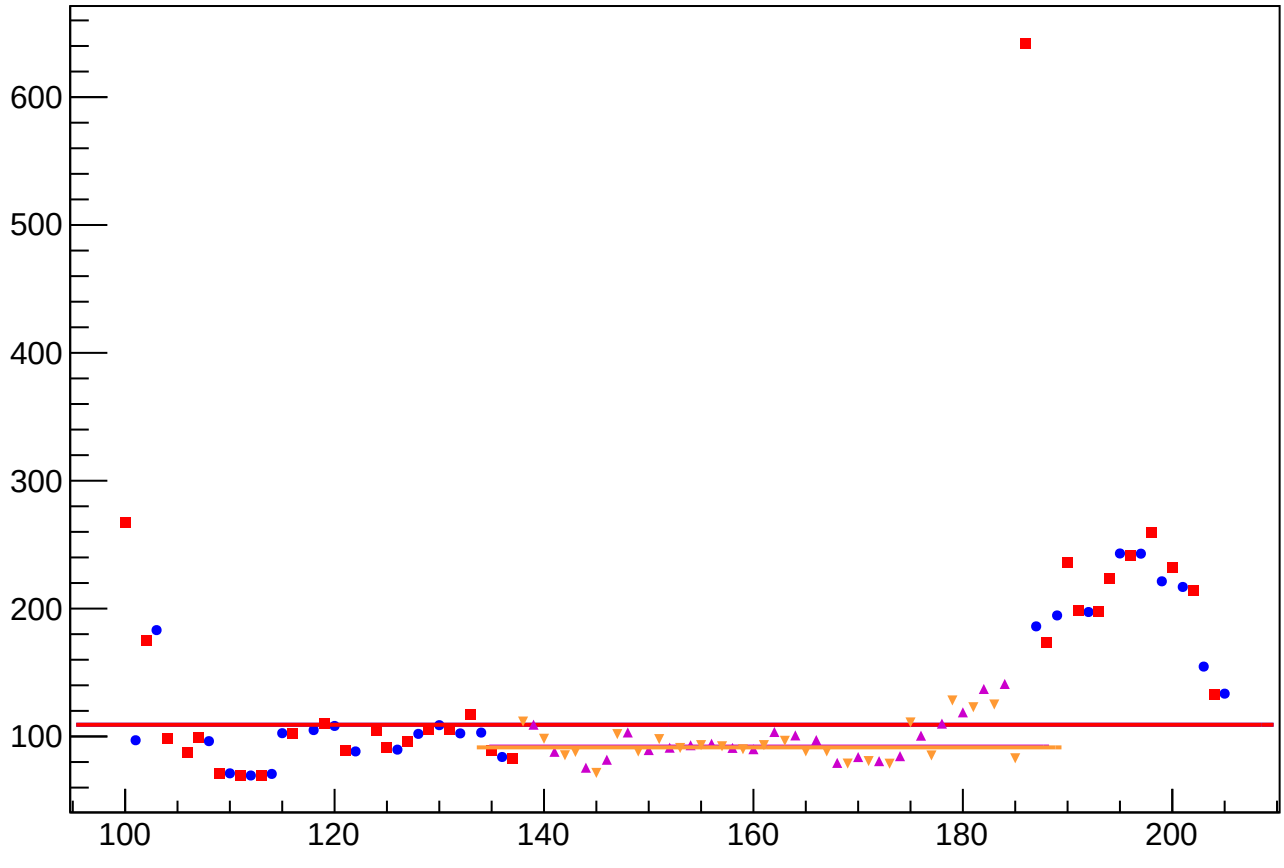
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -34.374+/-22.103 χ^2/NDF: 61.4/54

In: 28.296+/-17.964 χ^2/NDF:64.0/47

Out: 53.785+/-17.432 χ^2/NDF:78.3/54

All: 41.423+/-12.510 χ^2/NDF: 143.4/102



Right In: 109.152+/-0.022 χ^2/NDF: 3802041.6/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 109.159+/-0.022 χ^2/NDF: 5280605.2/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

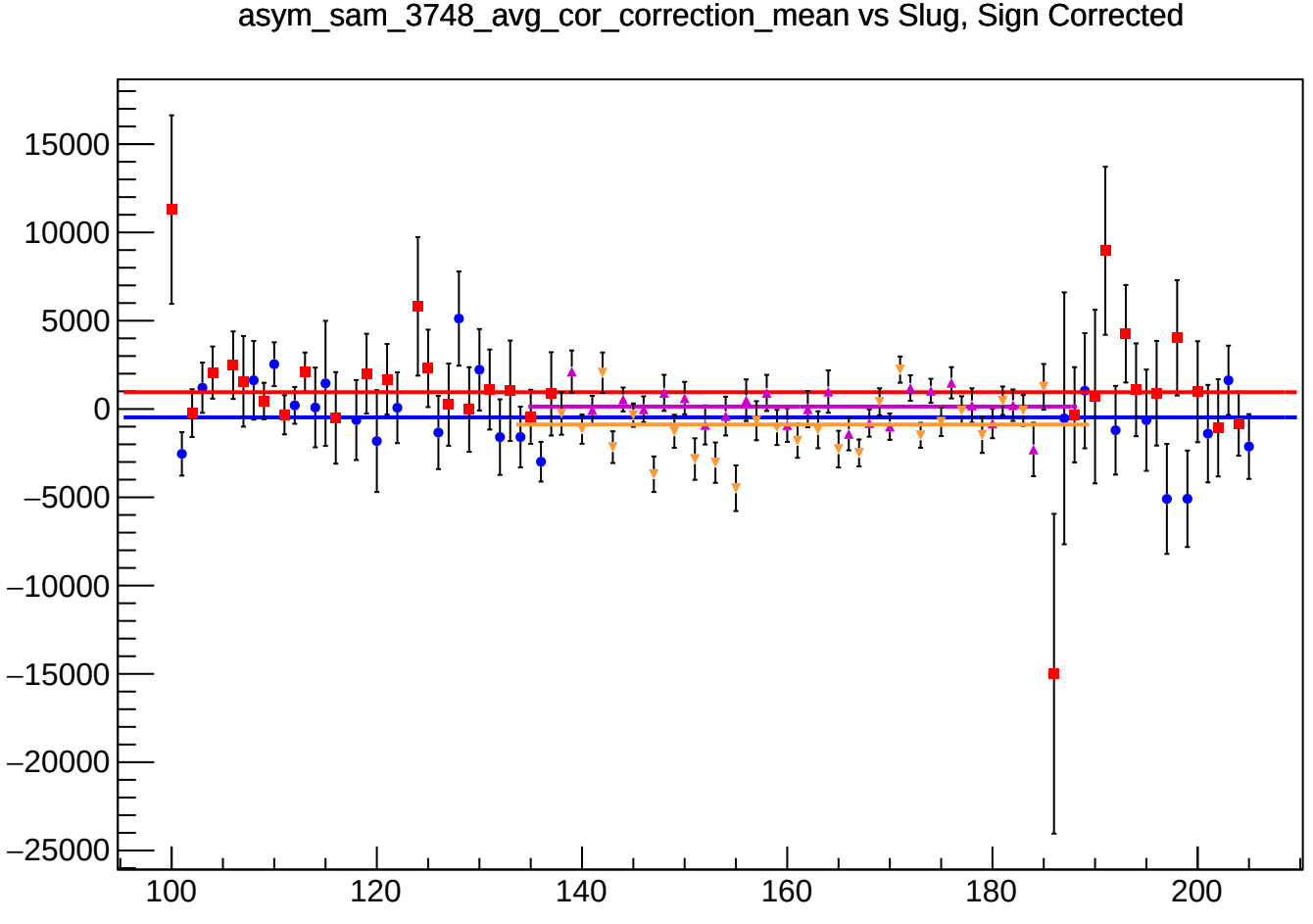
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 109.155+/-0.016 χ^2/NDF: 9082646.9/54

In: 97.613+/-0.013 χ^2/NDF:4895876.7/47

Out: 97.082+/-0.012 χ^2/NDF:6478501.2/54

All: 97.339+/-0.009 χ^2/NDF: 11375279.6/102



Right In: -472.659+/-377.982 χ^2/NDF: 31.1/24

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 950.273+/-365.738 χ^2/NDF: 22.1/29

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

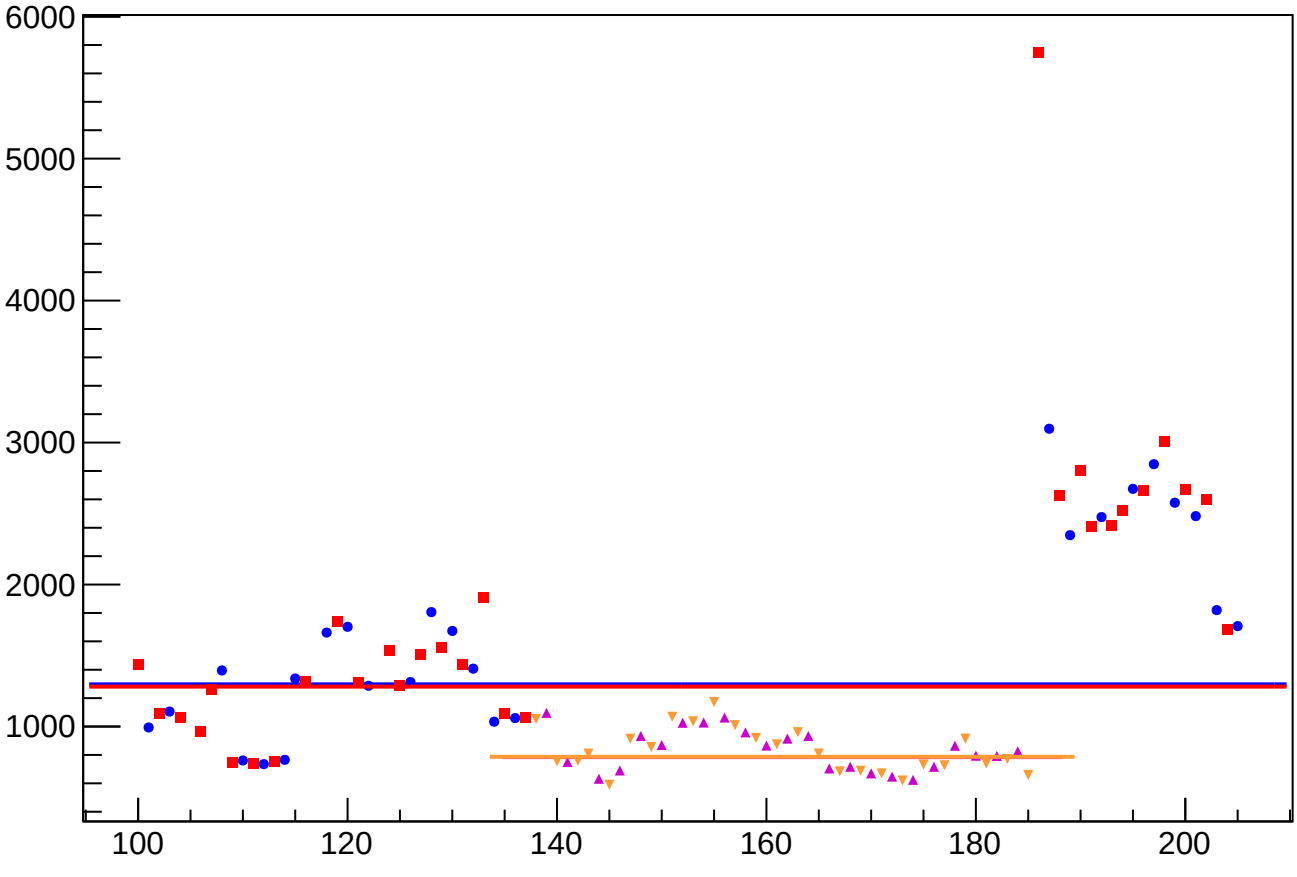
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 262.226+/-262.838 χ^2/NDF: 60.5/54

In: 18.951+/-167.302 χ^2/NDF:57.4/47

Out: -514.888+/-163.075 χ^2/NDF:109.9/54

All: -254.797+/-116.777 χ^2/NDF: 172.5/102



Right In: 1297.101+/-0.267 χ^2/NDF: 4369921.0/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1281.202+/-0.259 χ^2/NDF: 5989367.1/29

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

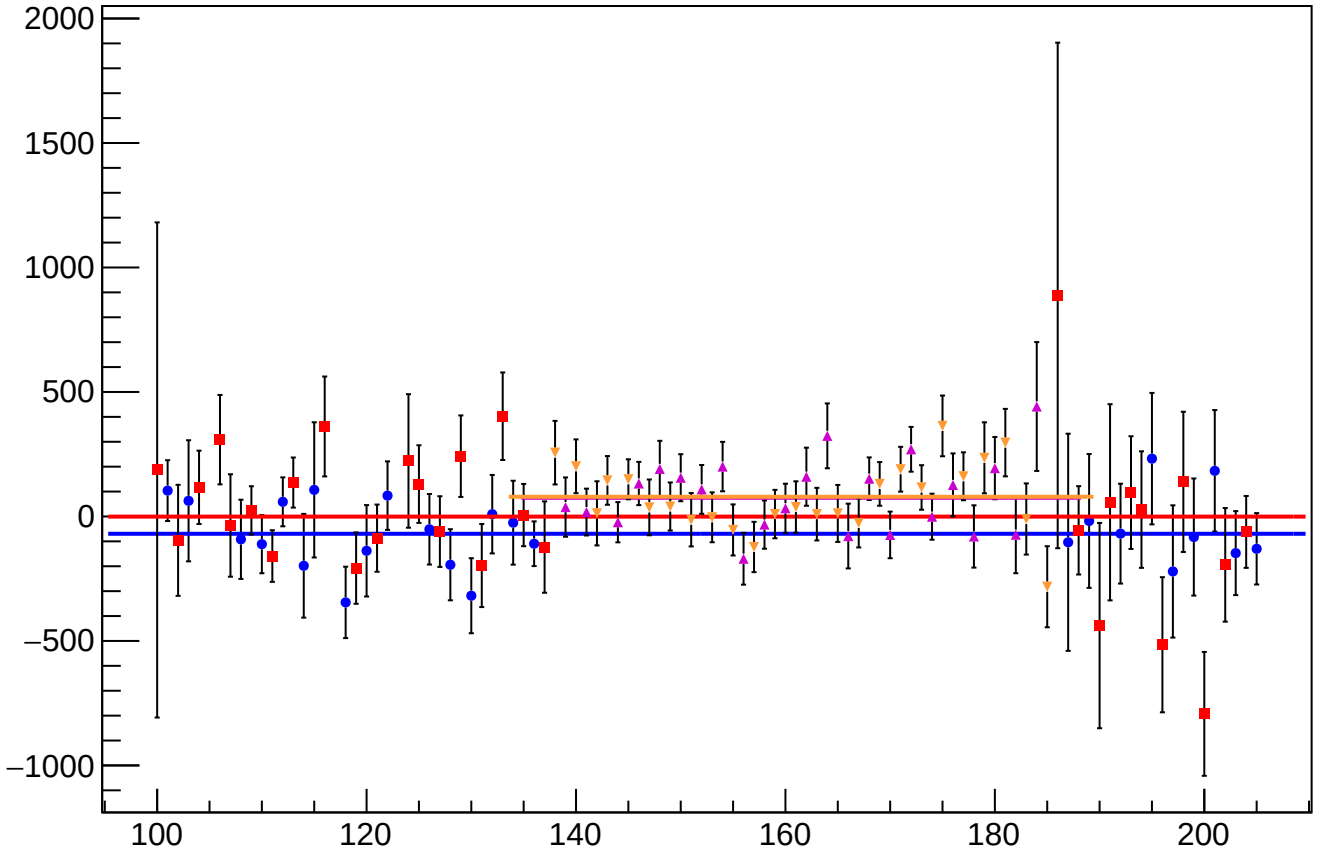
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1288.890+/-0.186 χ^2/NDF: 10361115.5/54

In: 885.193+/-0.118 χ^2/NDF:8387492.5/47

Out: 885.058+/-0.115 χ^2/NDF:10128865.2/54

All: 885.123+/-0.083 χ^2/NDF: 18516358.3/10



Right In: -69.567+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -0.632+/-30.935 χ^2/NDF: 41.8/29

Left In: 75.049+/-21.837 χ^2/NDF:32.6/22

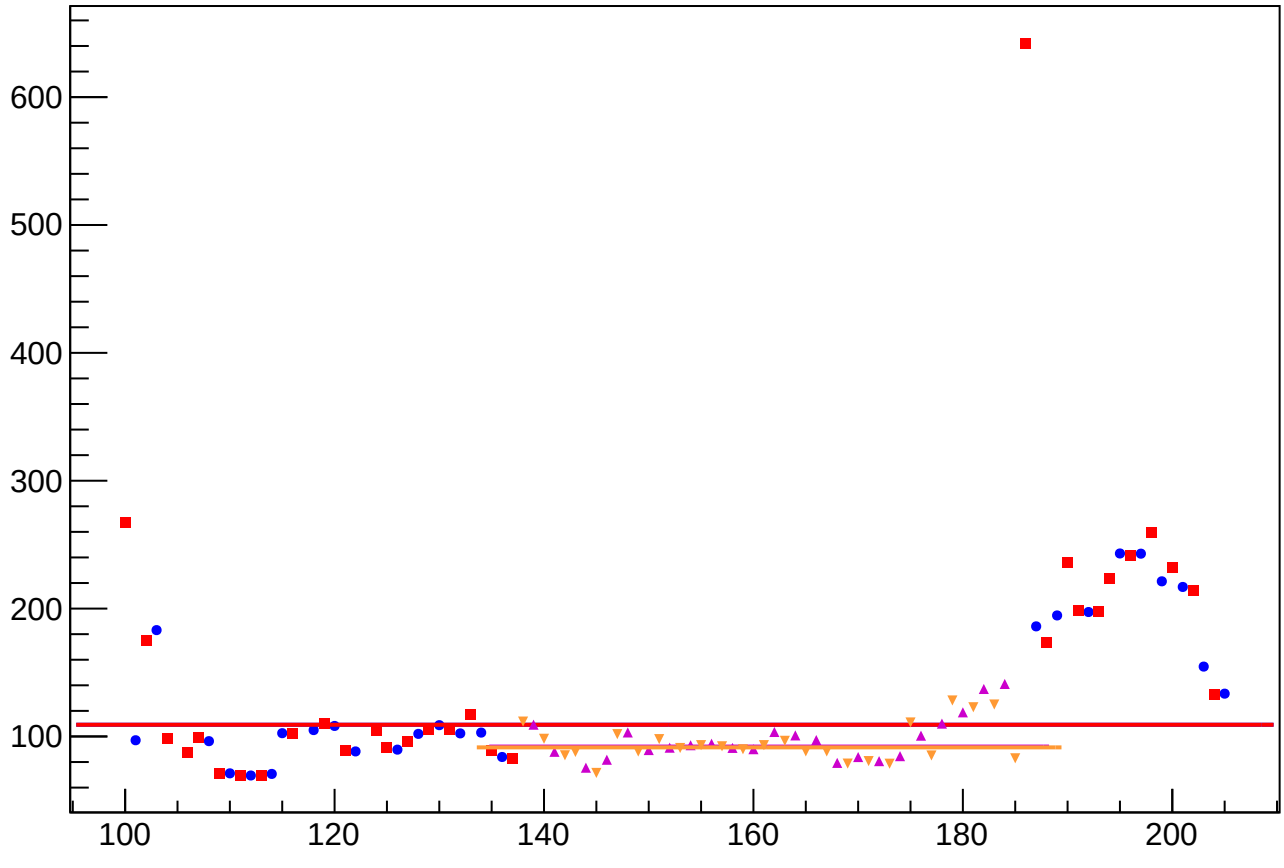
Left: 77.147+/-15.175 χ^2/NDF: 64.6/47

Right: -34.374+/-22.103 χ^2/NDF: 61.4/54

In: 28.296+/-17.964 χ^2/NDF:64.0/47

Out: 53.785+/-17.432 χ^2/NDF:78.3/54

All: 41.423+/-12.510 χ^2/NDF: 143.4/102



Right In: 109.152+/-0.022 χ^2/NDF: 3802041.6/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 109.159+/-0.022 χ^2/NDF: 5280605.2/29

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

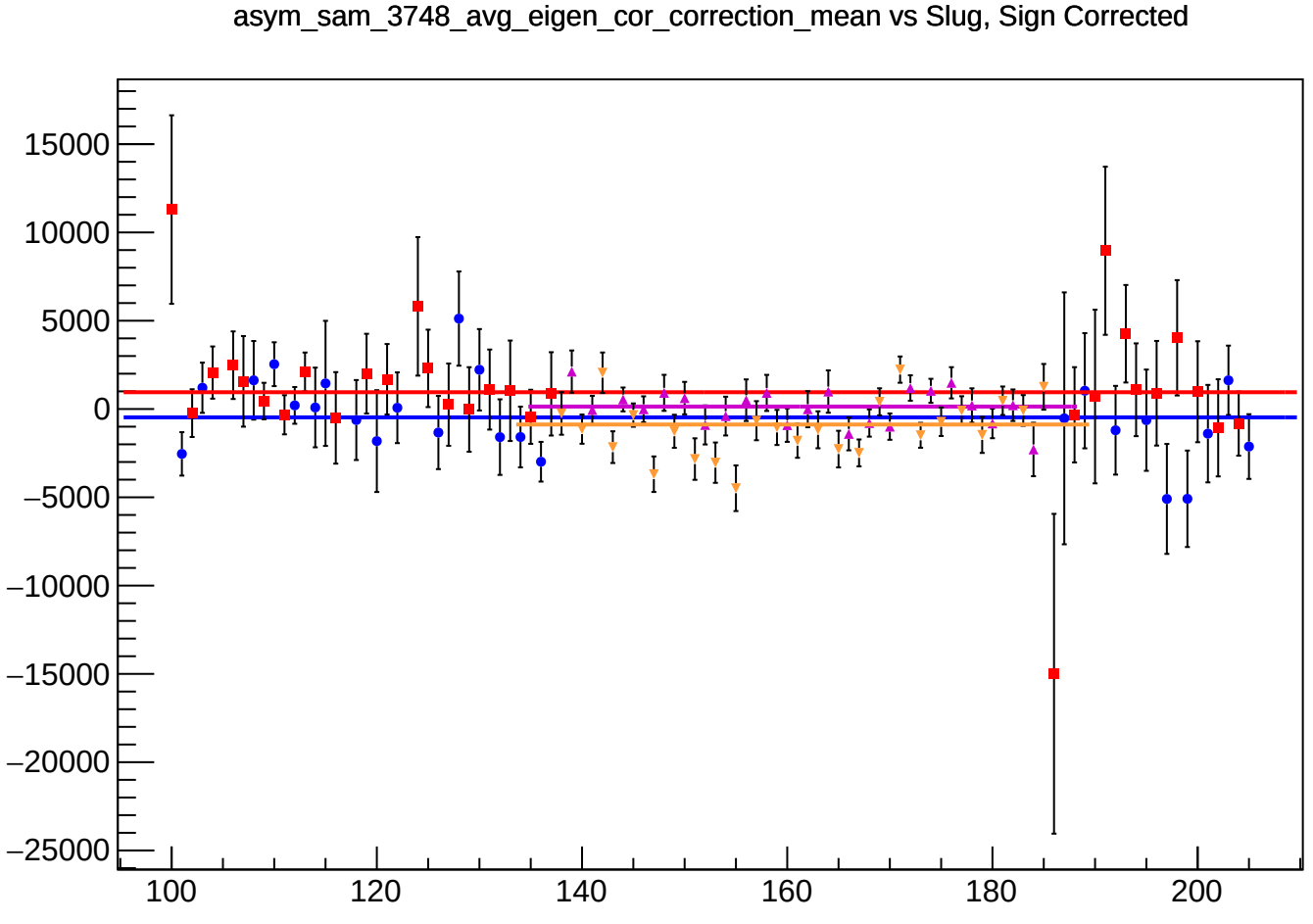
Left: 91.770+/-0.011 χ^2/NDF: 1451688.9/47

Right: 109.155+/-0.016 χ^2/NDF: 9082646.9/54

In: 97.613+/-0.013 χ^2/NDF:4895876.7/47

Out: 97.082+/-0.012 χ^2/NDF:6478501.2/54

All: 97.339+/-0.009 χ^2/NDF: 11375279.6/102



Right In: -472.659+/-377.982 χ^2/NDF: 31.1/24

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: 950.273+/-365.738 χ^2/NDF: 22.1/29

Left In: 138.730+/-186.573 χ^2/NDF:24.2/22

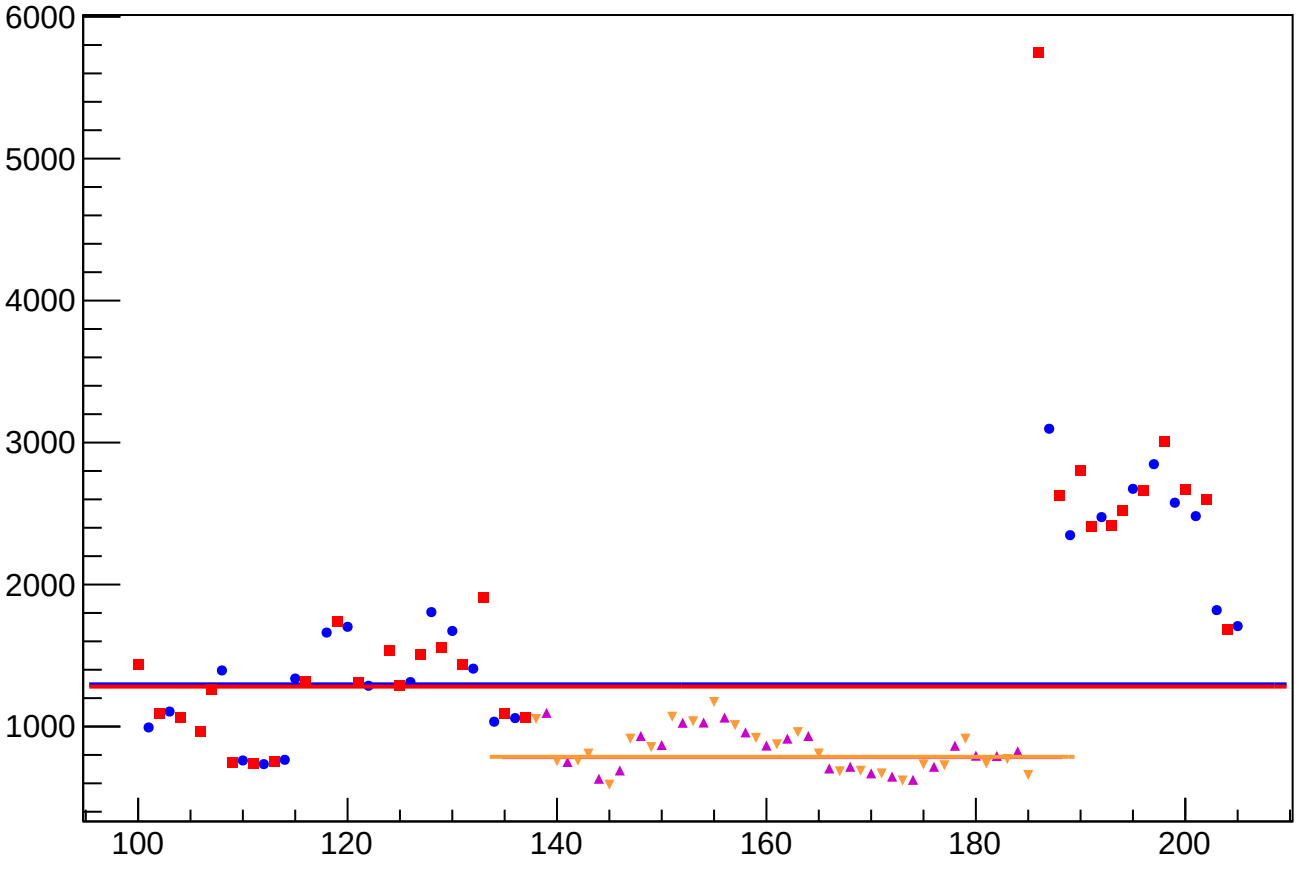
Left: -381.957+/-130.349 χ^2/NDF: 107.1/47

Right: 262.226+/-262.838 χ^2/NDF: 60.5/54

In: 18.951+/-167.302 χ^2/NDF:57.4/47

Out: -514.888+/-163.075 χ^2/NDF:109.9/54

All: -254.797+/-116.777 χ^2/NDF: 172.5/102



Right In: 1297.101+/-0.267 χ^2/NDF: 4369921.0/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1281.202+/-0.259 χ^2/NDF: 5989367.1/29

Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

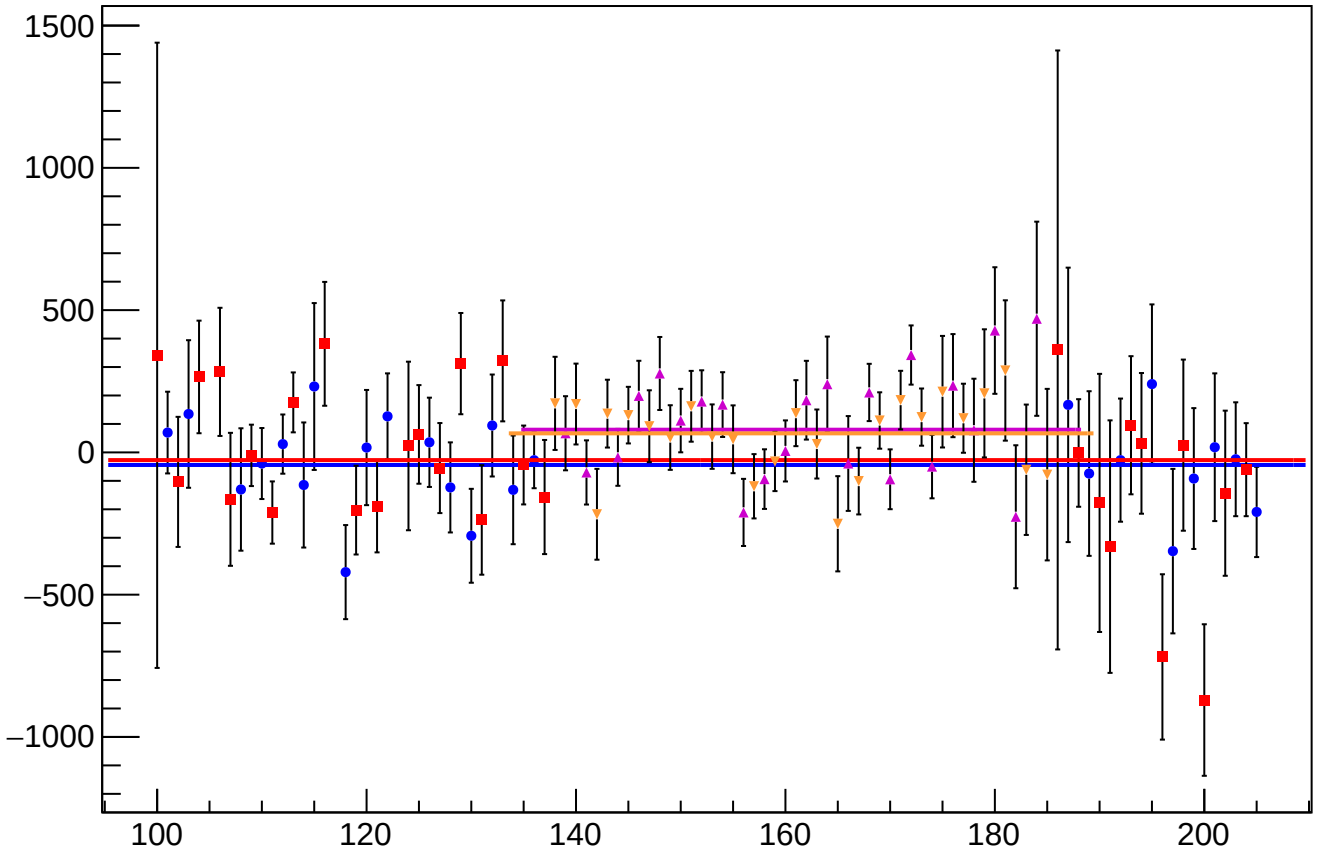
Left: 785.819+/-0.092 χ^2/NDF: 2274748.8/47

Right: 1288.890+/-0.186 χ^2/NDF: 10361115.5/54

In: 885.193+/-0.118 χ^2/NDF:8387492.5/47

Out: 885.058+/-0.115 χ^2/NDF:10128865.2/54

All: 885.123+/-0.083 χ^2/NDF: 18516358.3/10



Right In: -44.186+/-35.007 χ^2/NDF: 16.5/24

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: -27.047+/-34.401 χ^2/NDF: 42.3/29

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

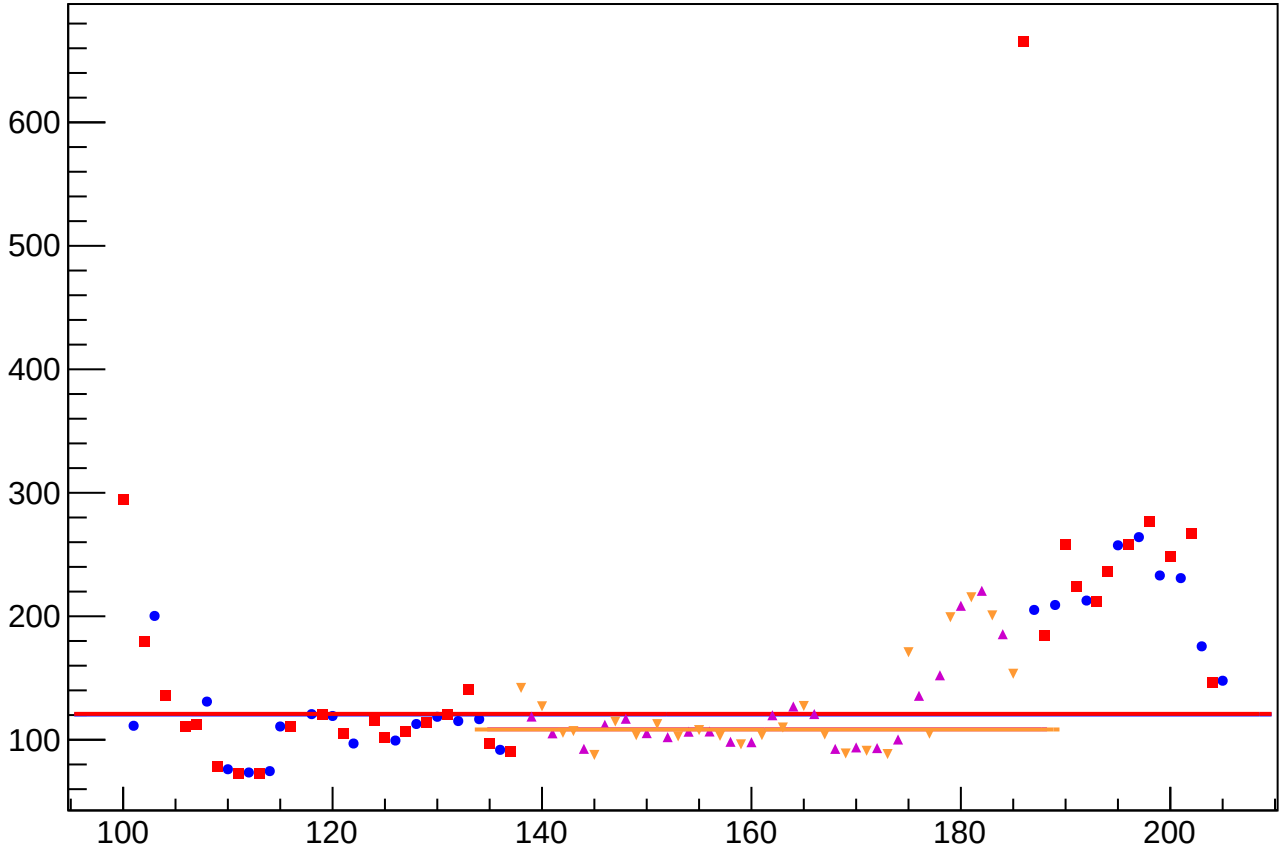
Right: -35.467+/-24.537 χ^2/NDF: 58.9/54

In: 35.049+/-21.026 χ^2/NDF:61.4/47

Out: 33.441+/-20.529 χ^2/NDF:66.7/54

All: 34.226+/-14.689 χ^2/NDF: 128.1/102

dit_asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 120.490+/-0.025 χ^2/NDF: 3786553.5/24

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 120.978+/-0.024 χ^2/NDF: 5272084.4/29

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

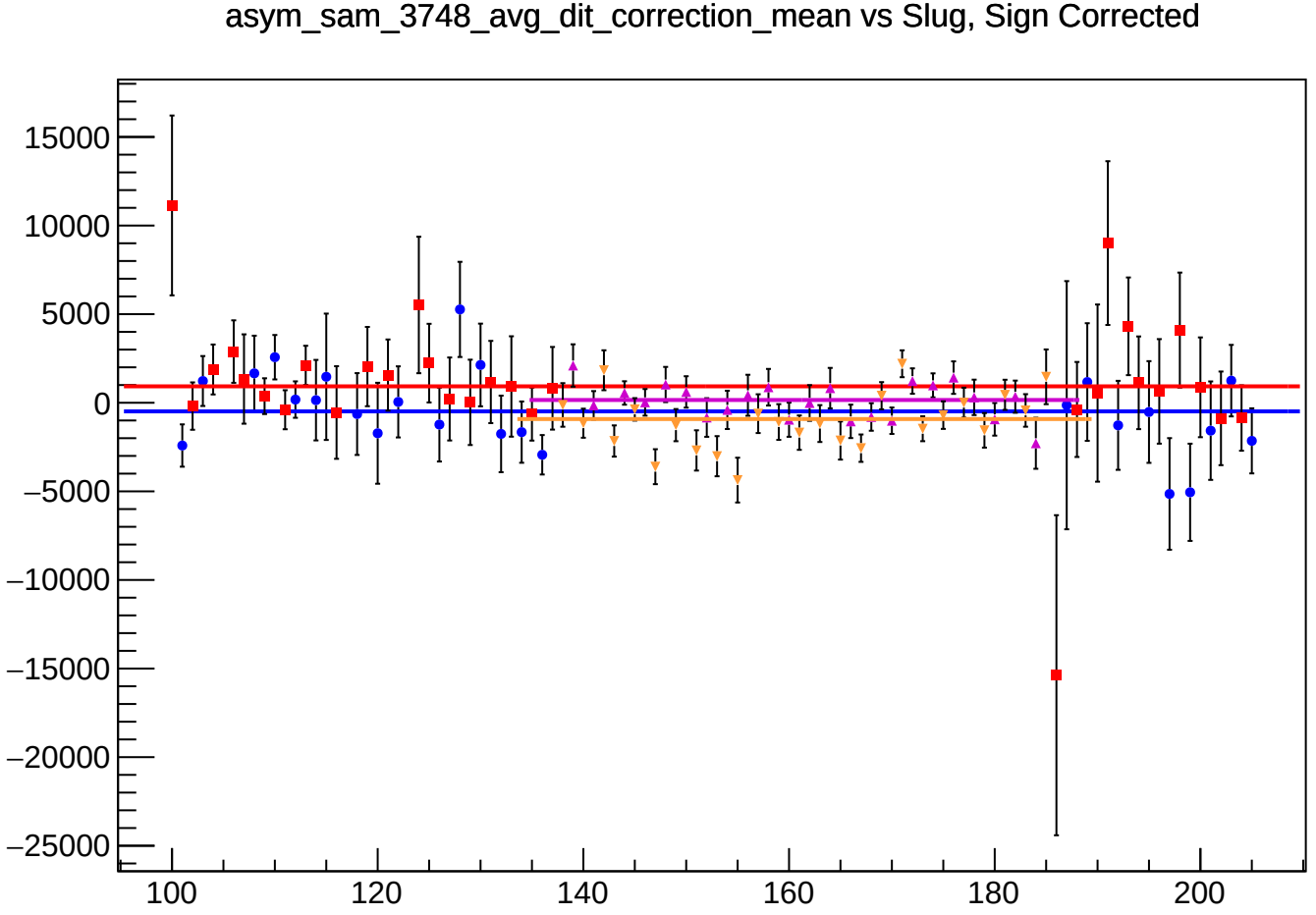
Left: 108.409+/-0.013 χ^2/NDF: 3154037.3/47

Right: 120.738+/-0.017 χ^2/NDF: 9058835.2/54

In: 112.821+/-0.015 χ^2/NDF:5316121.1/47

Out: 112.834+/-0.015 χ^2/NDF:7220749.5/54

All: 112.828+/-0.010 χ^2/NDF: 12536871.0/10



Right In: -486.502+/-376.738 χ^2/NDF: 30.8/24

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: 926.607+/-361.355 χ^2/NDF: 23.6/29

Left In: 155.874+/-187.116 χ^2/NDF:23.1/22

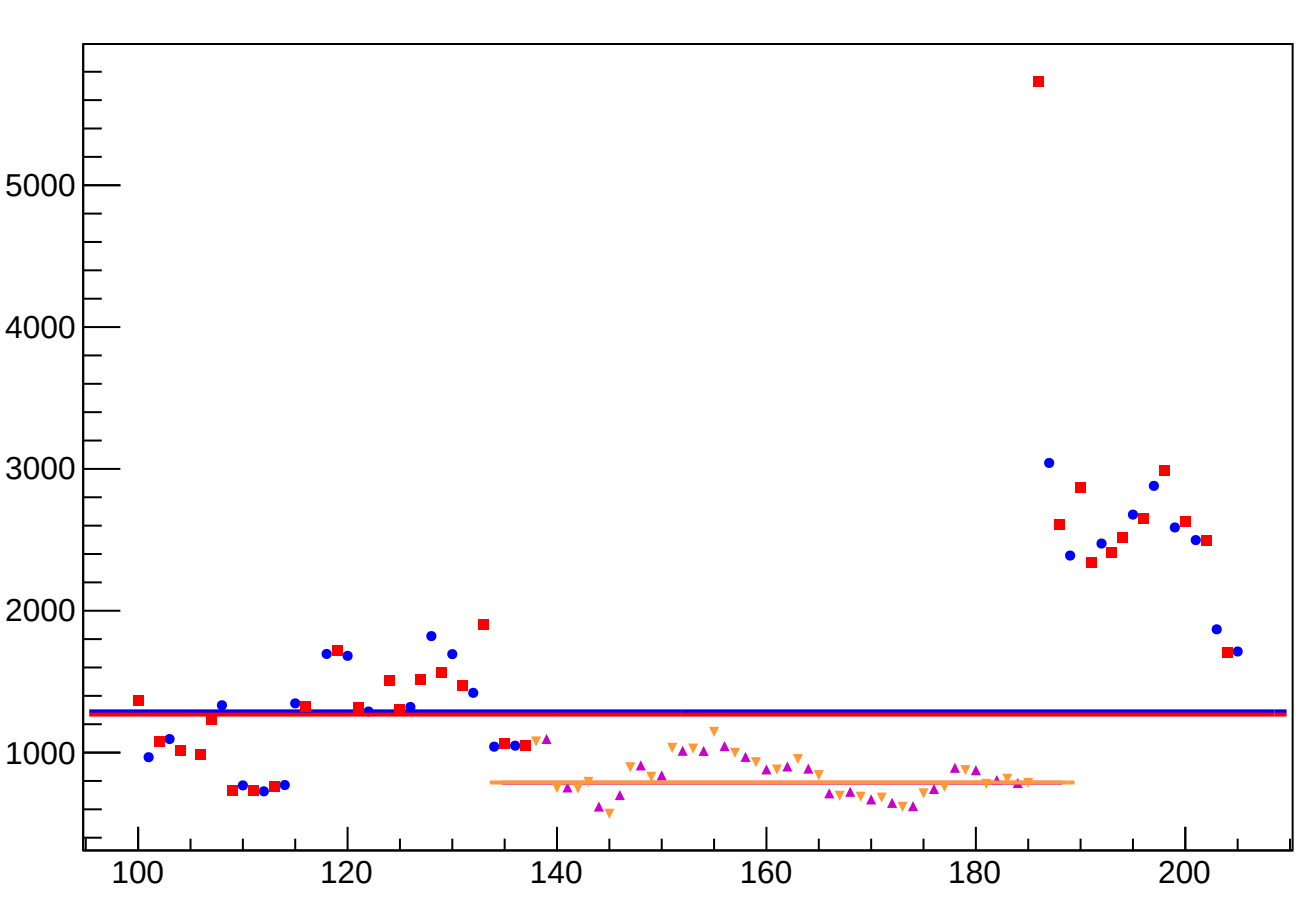
Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

Right: 249.491+/-260.785 χ^2/NDF: 61.7/54

In: 28.765+/-167.584 χ^2/NDF:56.2/47

Out: -543.831+/-162.875 χ^2/NDF:108.5/54

All: -265.689+/-116.799 χ^2/NDF: 170.6/102



Right In: 1290.534+/-0.266 χ^2/NDF: 4479735.0/24

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1267.939+/-0.256 χ^2/NDF: 6038132.4/29

Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

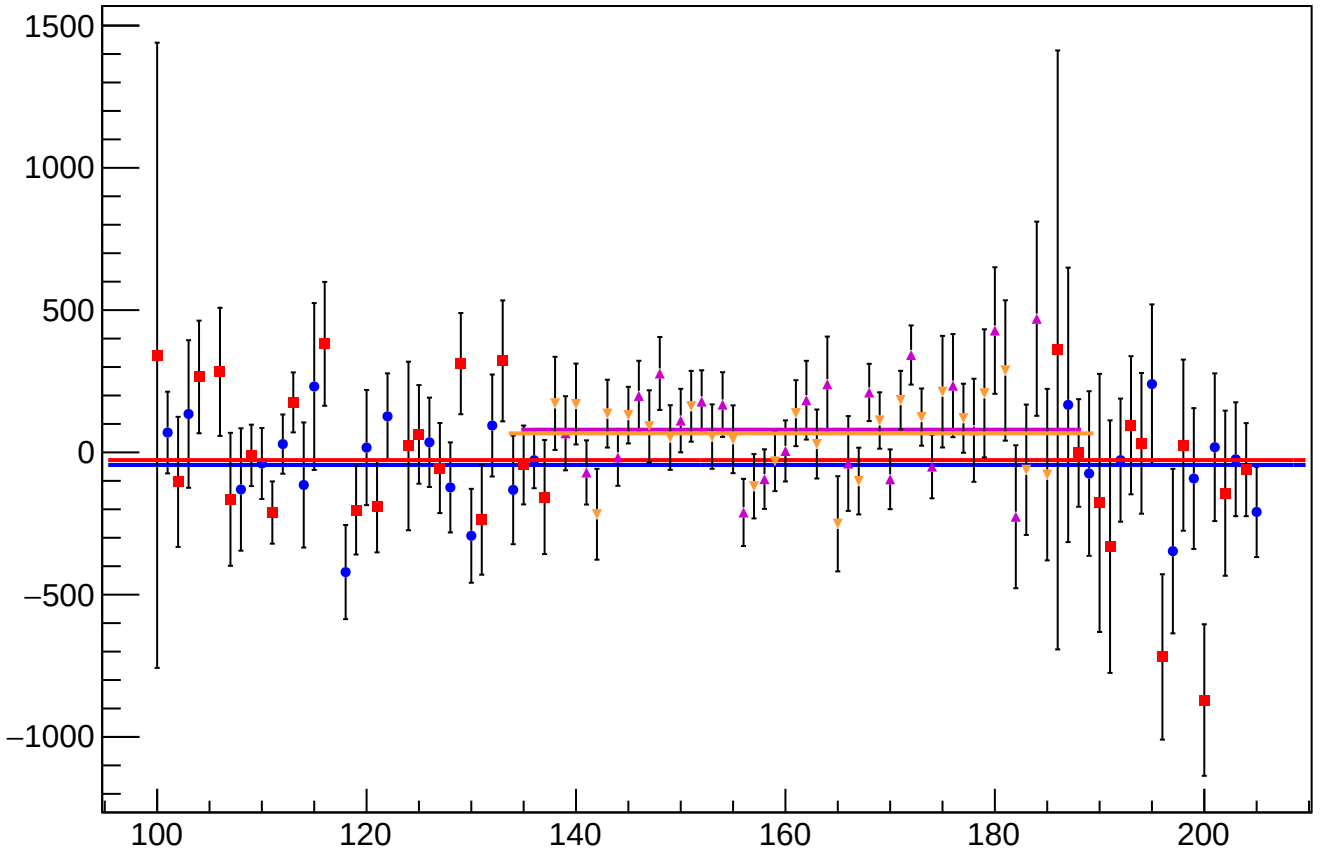
Left: 788.343+/-0.092 χ^2/NDF: 2218291.4/47

Right: 1278.766+/-0.184 χ^2/NDF: 10521614.5/54

In: 886.948+/-0.118 χ^2/NDF:8382537.8/47

Out: 886.501+/-0.115 χ^2/NDF:10011592.5/54

All: 886.718+/-0.083 χ^2/NDF: 18394137.6/10



Right In: -44.185+/-35.007 χ^2/NDF: 16.5/24

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: -27.049+/-34.401 χ^2/NDF: 42.3/29

Left In: 79.766+/-26.299 χ^2/NDF:36.9/22

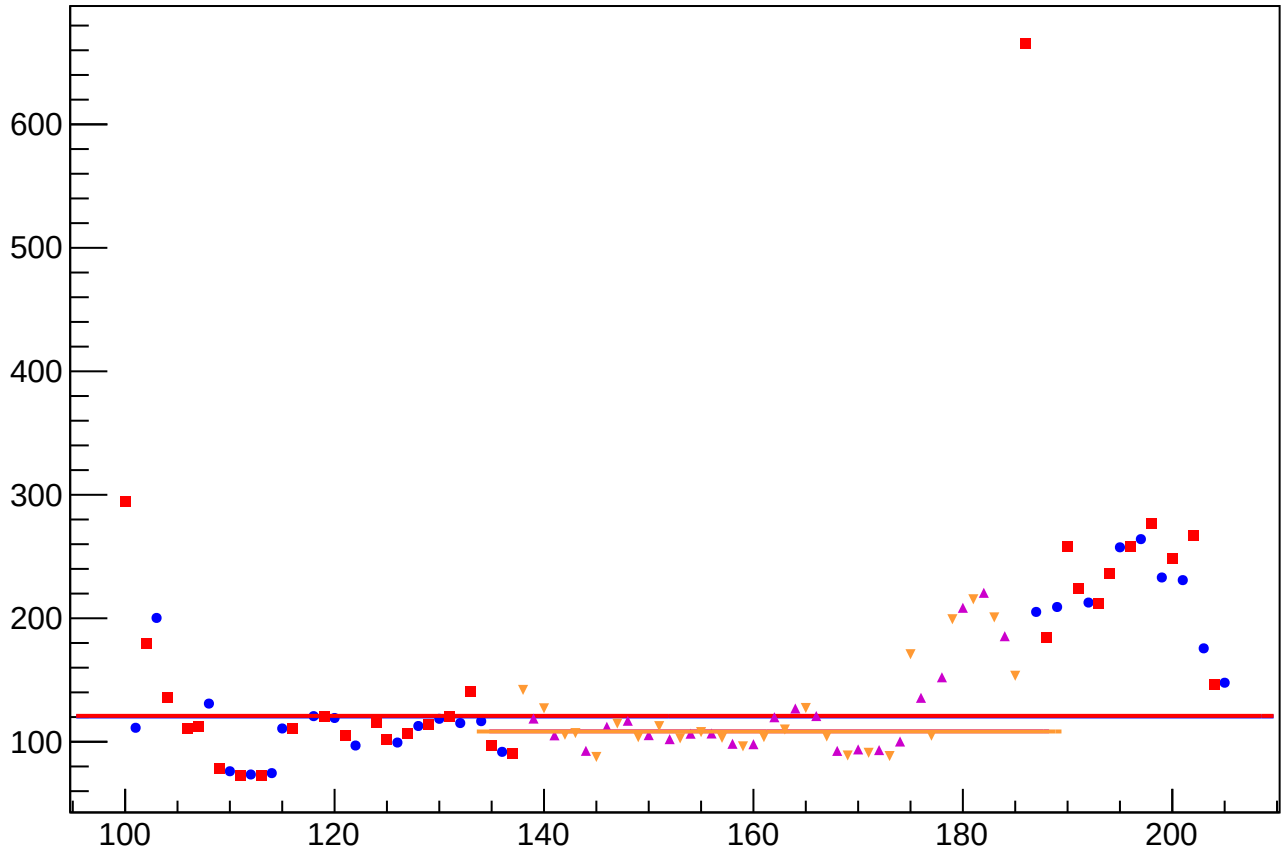
Left: 73.154+/-18.338 χ^2/NDF: 56.7/47

Right: -35.467+/-24.537 χ^2/NDF: 58.9/54

In: 35.049+/-21.026 χ^2/NDF:61.4/47

Out: 33.441+/-20.529 χ^2/NDF:66.7/54

All: 34.226+/-14.689 χ^2/NDF: 128.1/102



Right In: 120.490+/-0.025 χ^2/NDF: 3786541.7/24

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

Right Out: 120.978+/-0.024 χ^2/NDF: 5272088.9/29

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

Left: 108.409+/-0.013 χ^2/NDF: 3154013.0/47

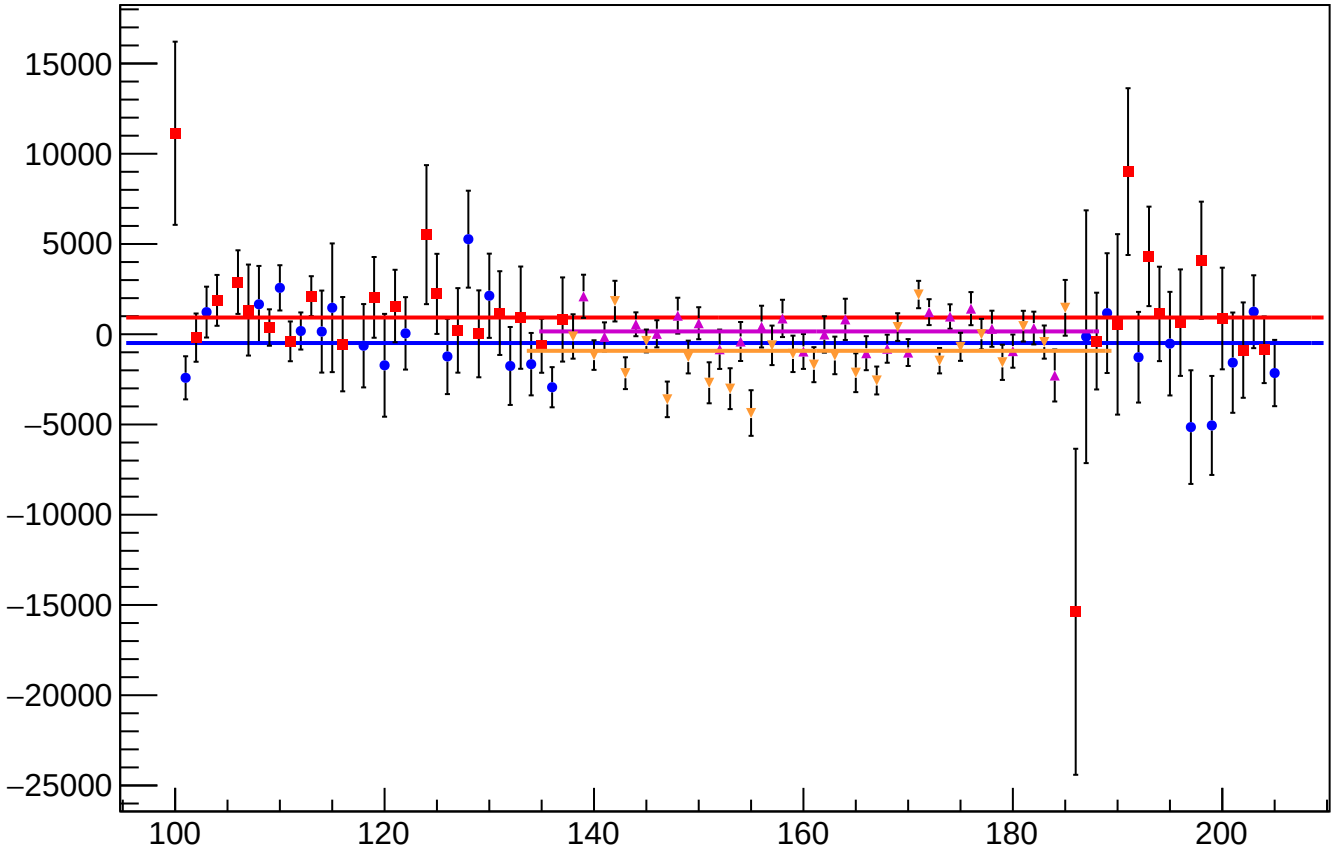
Right: 120.738+/-0.017 χ^2/NDF: 9058827.9/54

In: 112.821+/-0.015 χ^2/NDF:5316085.8/47

Out: 112.835+/-0.015 χ^2/NDF:7220744.2/54

All: 112.828+/-0.010 χ^2/NDF: 12536830.4/10

asym_sam_3748_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -486.501+/-376.737 χ^2/NDF: 30.8/24

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

Right Out: 926.606+/-361.354 χ^2/NDF: 23.6/29

Left In: 155.873+/-187.115 χ^2/NDF:23.1/22

Left: -394.962+/-130.634 χ^2/NDF: 104.1/47

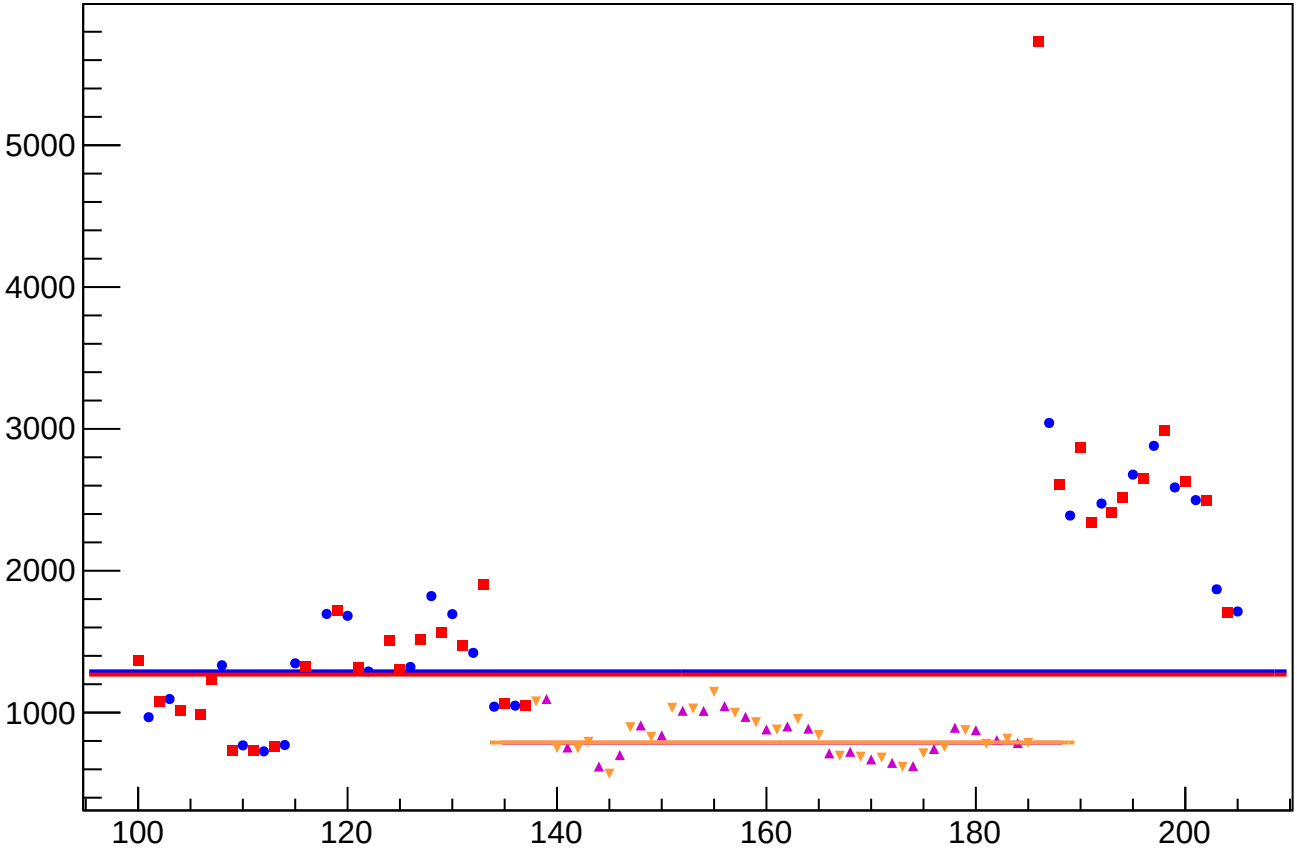
Right: 249.491+/-260.785 χ^2/NDF: 61.7/54

In: 28.765+/-167.584 χ^2/NDF:56.2/47

Out: -543.830+/-162.875 χ^2/NDF:108.5/54

All: -265.689+/-116.799 χ^2/NDF: 170.6/102

asym_sam_3748_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1290.532+/-0.266 χ^2/NDF: 4479743.3/24

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1267.937+/-0.256 χ^2/NDF: 6038136.3/29

Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

Left: 788.342+/-0.092 χ^2/NDF: 2218294.3/47

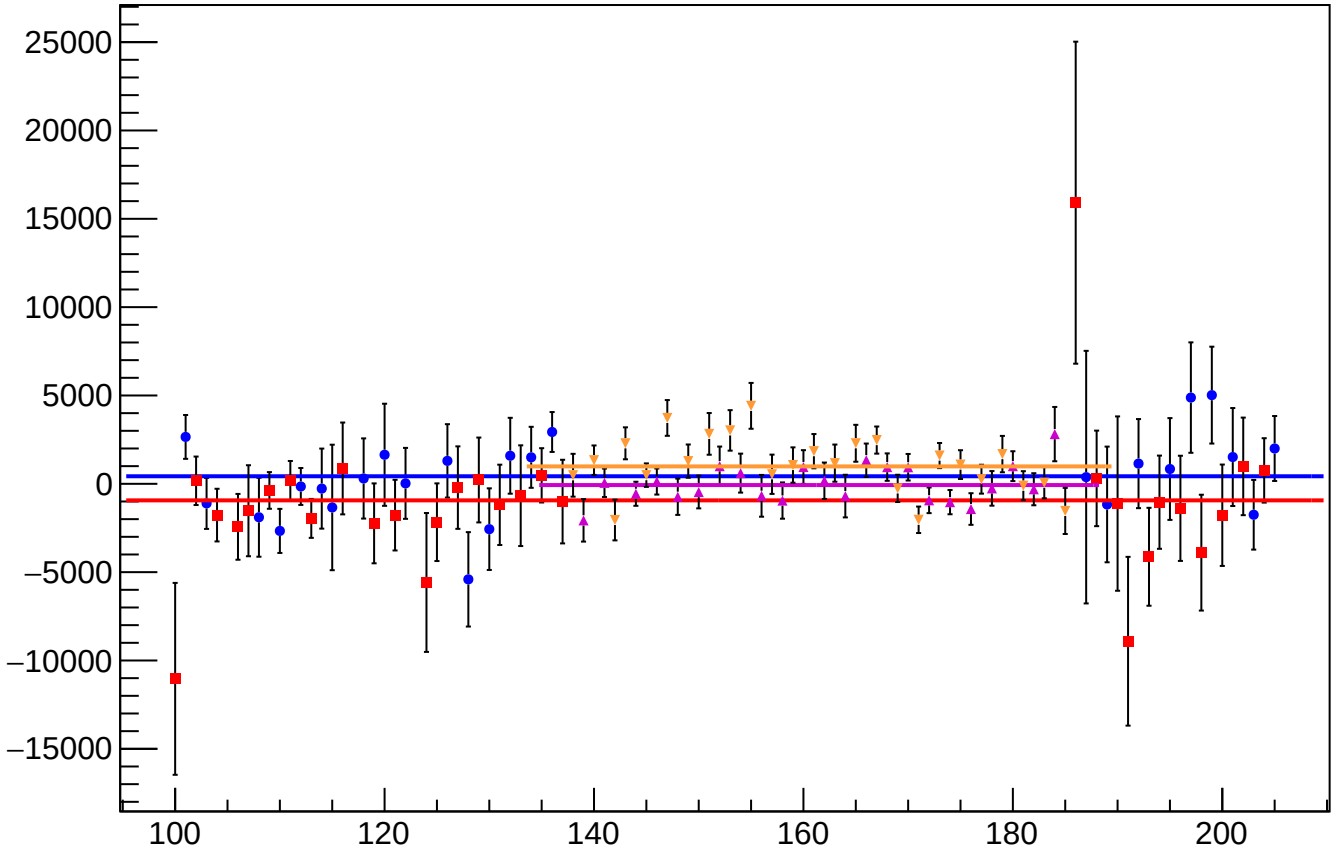
Right: 1278.764+/-0.184 χ^2/NDF: 10521626.6/54

In: 886.947+/-0.118 χ^2/NDF:8382545.4/47

Out: 886.500+/-0.115 χ^2/NDF:10011600.7/54

All: 886.717+/-0.083 χ^2/NDF: 18394153.5/10

asym_sam_3748_avg_mean vs Slug, Sign Corrected



Right In: 427.881+/-379.897 χ^2/NDF: 32.0/24

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: -936.675+/-367.073 χ^2/NDF: 21.2/29

Left In: -70.089+/-188.036 χ^2/NDF:24.4/22

Left: 470.380+/-131.365 χ^2/NDF: 104.3/47

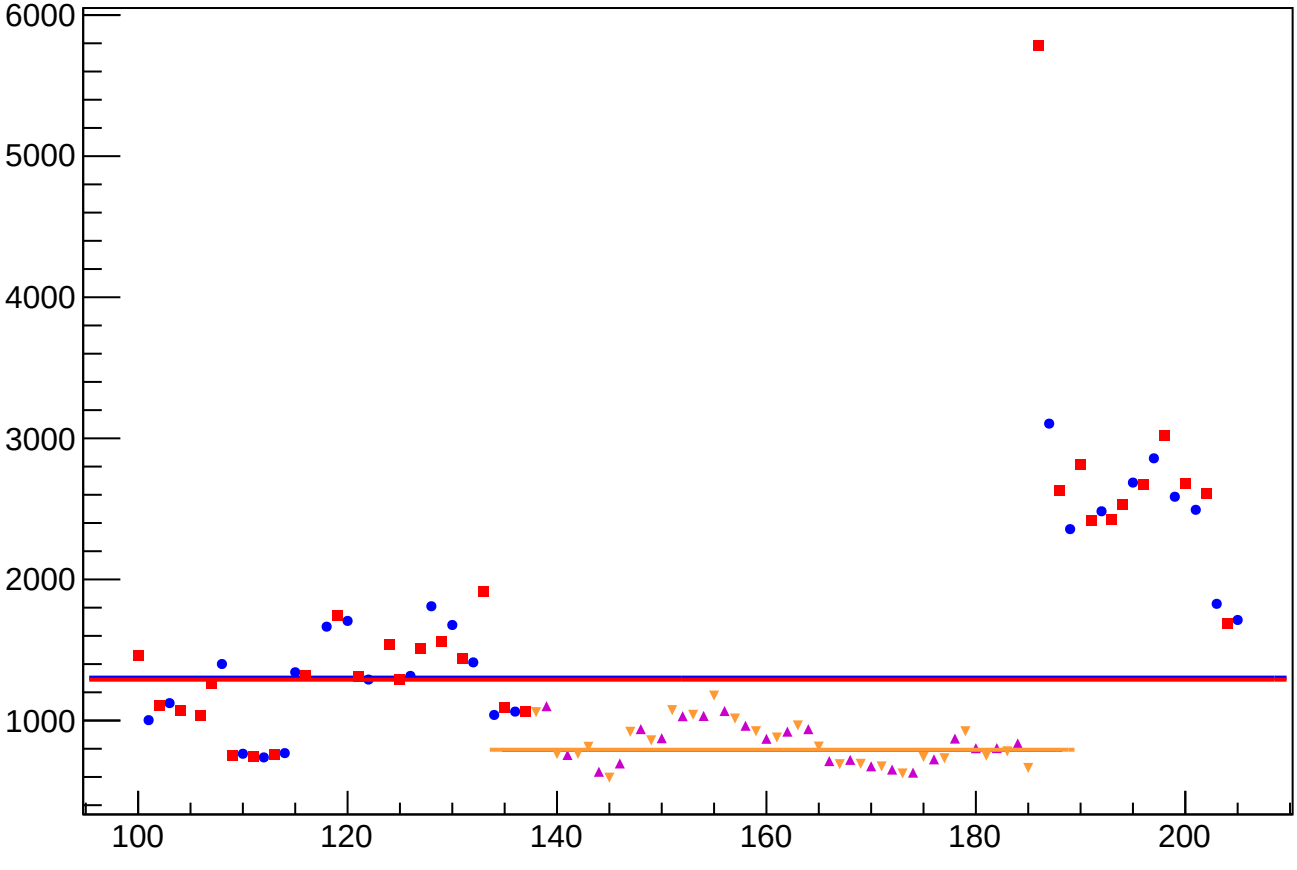
Right: -277.817+/-263.977 χ^2/NDF: 59.8/54

In: 27.902+/-168.522 χ^2/NDF:57.8/47

Out: 600.974+/-164.206 χ^2/NDF:106.9/54

All: 321.870+/-117.608 χ^2/NDF: 170.5/102

asym_sam_3748_avg_rms vs Slug, Sign Corrected



Right In: 1304.173+/-0.269 χ^2/NDF: 4352663.1/24

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

Right Out: 1289.422+/-0.260 χ^2/NDF: 5957762.4/29

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

Left: 792.126+/-0.093 χ^2/NDF: 2243184.1/47

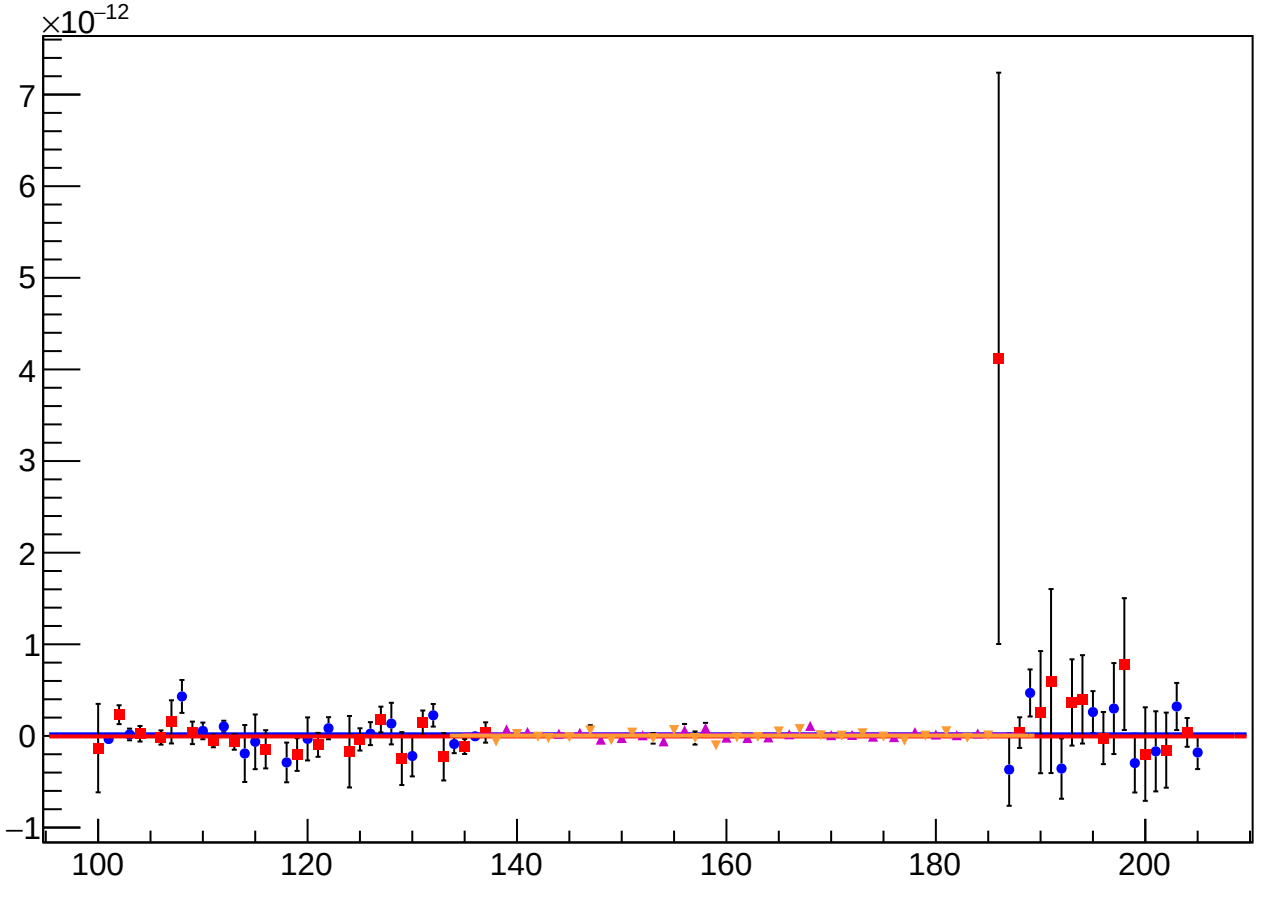
Right: 1296.544+/-0.187 χ^2/NDF: 10311985.0/54

In: 892.107+/-0.119 χ^2/NDF:8331295.5/47

Out: 892.381+/-0.116 χ^2/NDF:10077009.0/54

All: 892.248+/-0.083 χ^2/NDF: 18408307.2/10

asym_sam_3748_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/29

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

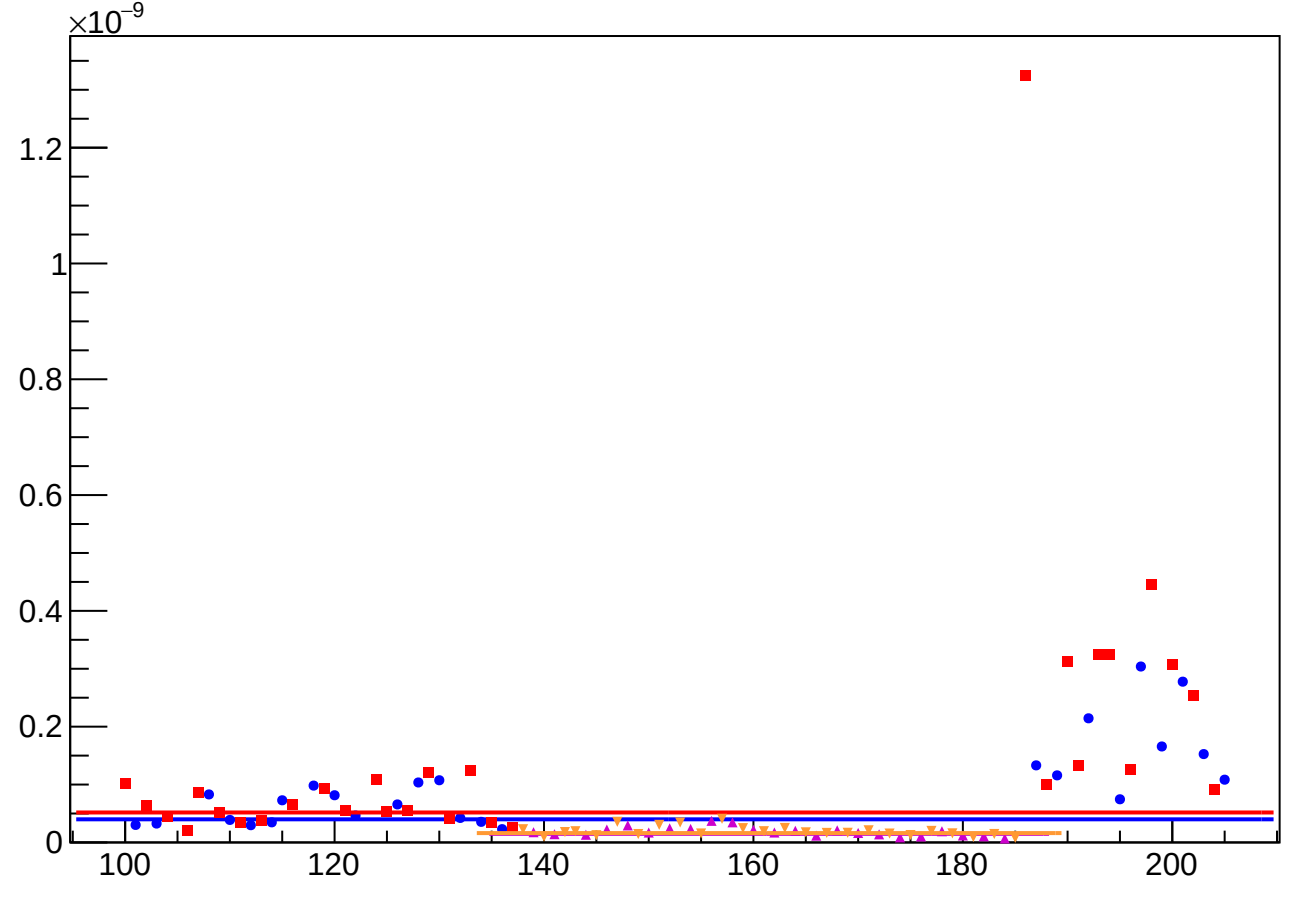
Left: 0.000+/-0.000 χ^2/NDF: 60.1/47

Right: 0.000+/-0.000 χ^2/NDF: 49.0/54

In: 0.000+/-0.000 χ^2/NDF:52.7/47

Out: 0.000+/-0.000 χ^2/NDF:55.2/54

All: 0.000+/-0.000 χ^2/NDF: 109.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 4335760.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5215102.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

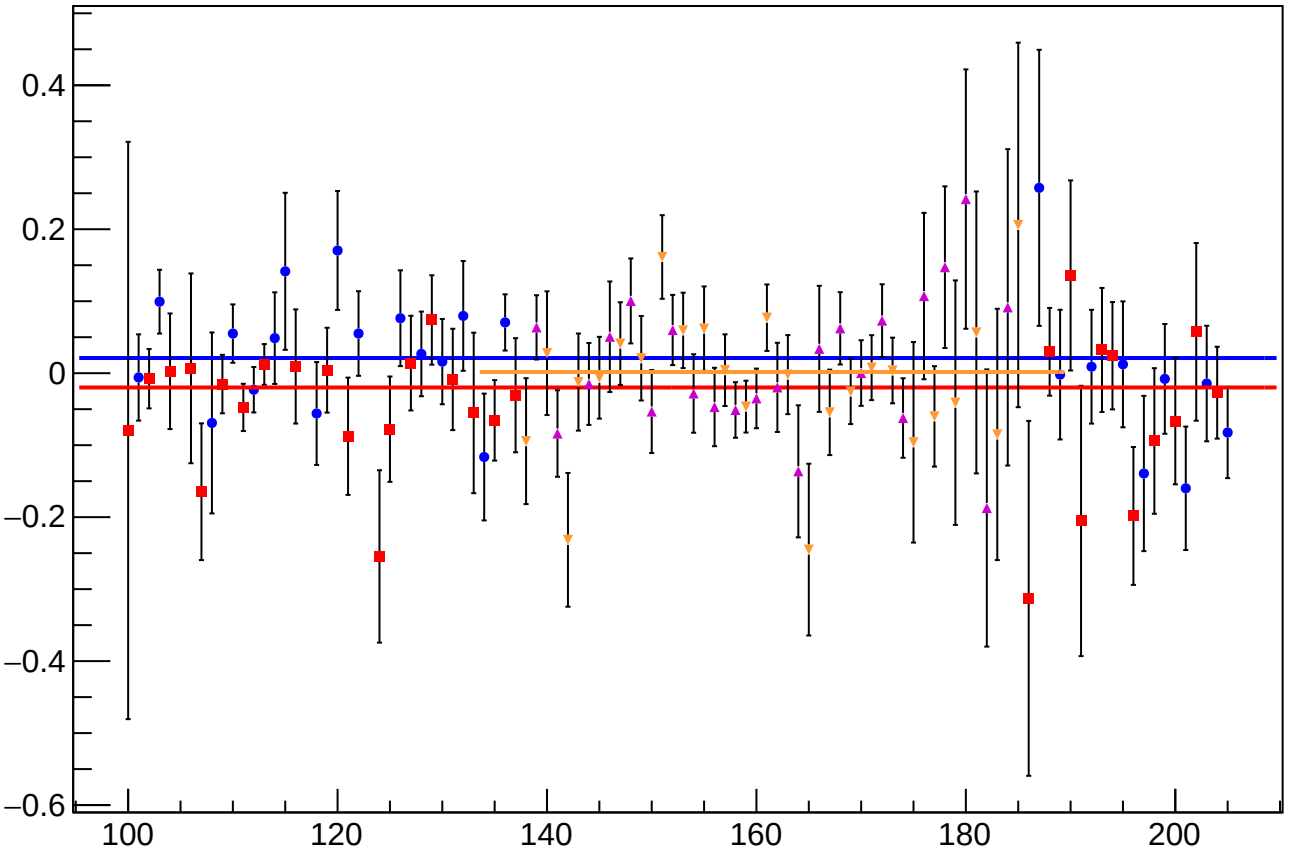
Left: 0.000+/-0.000 χ^2/NDF: 3428363.2/47

Right: 0.000+/-0.000 χ^2/NDF: 9800218.1/54

In: 0.000+/-0.000 χ^2/NDF:8552927.4/47

Out: 0.000+/-0.000 χ^2/NDF:10505602.6/54

All: 0.000+/-0.000 χ^2/NDF: 19104998.5/102



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

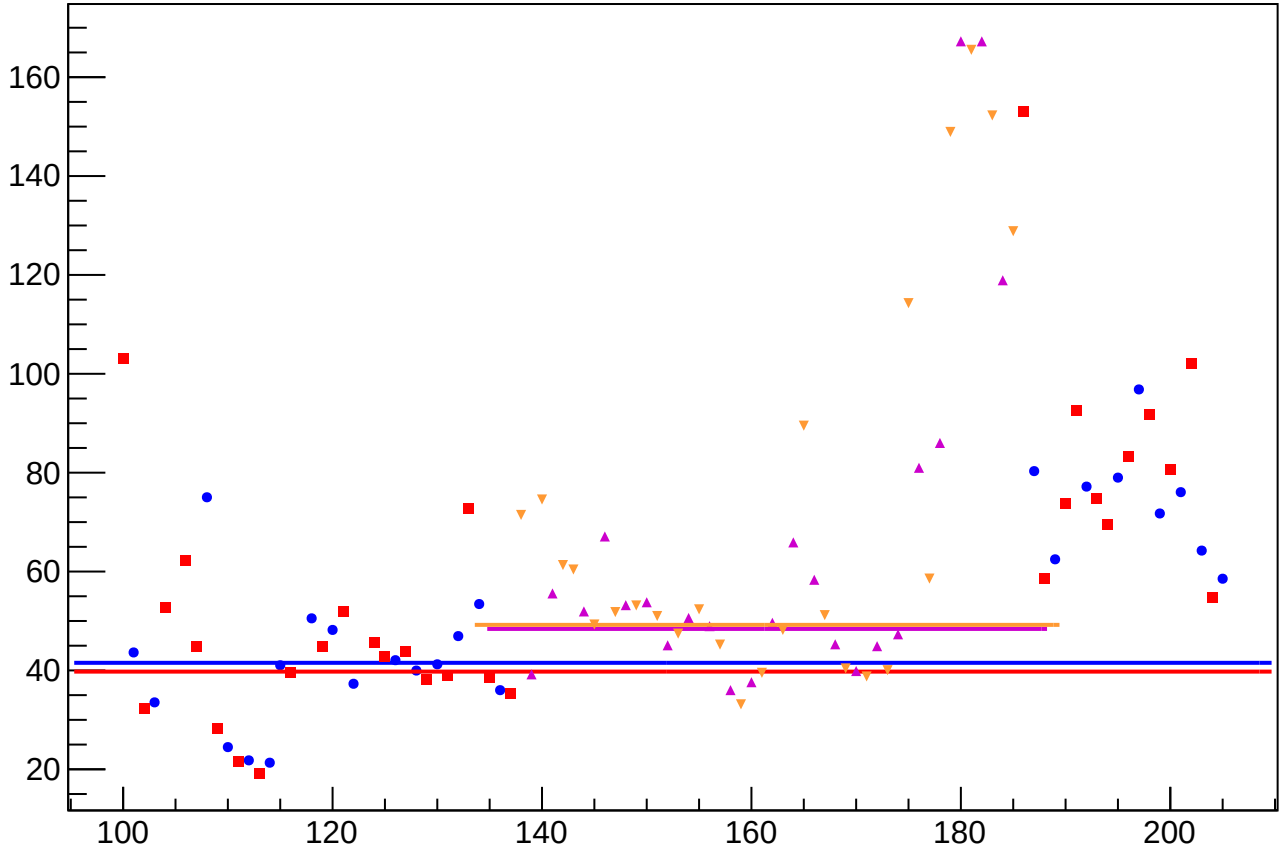
Right: -0.000+/-0.009 χ^2/NDF: 58.2/54

In: 0.011+/-0.009 χ^2/NDF:56.6/47

Out: -0.009+/-0.009 χ^2/NDF:55.2/54

All: 0.001+/-0.006 χ^2/NDF: 114.7/102

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.539+/-0.009 χ^2/NDF: 4121025.1/24

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 39.759+/-0.008 χ^2/NDF: 5874547.3/29

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

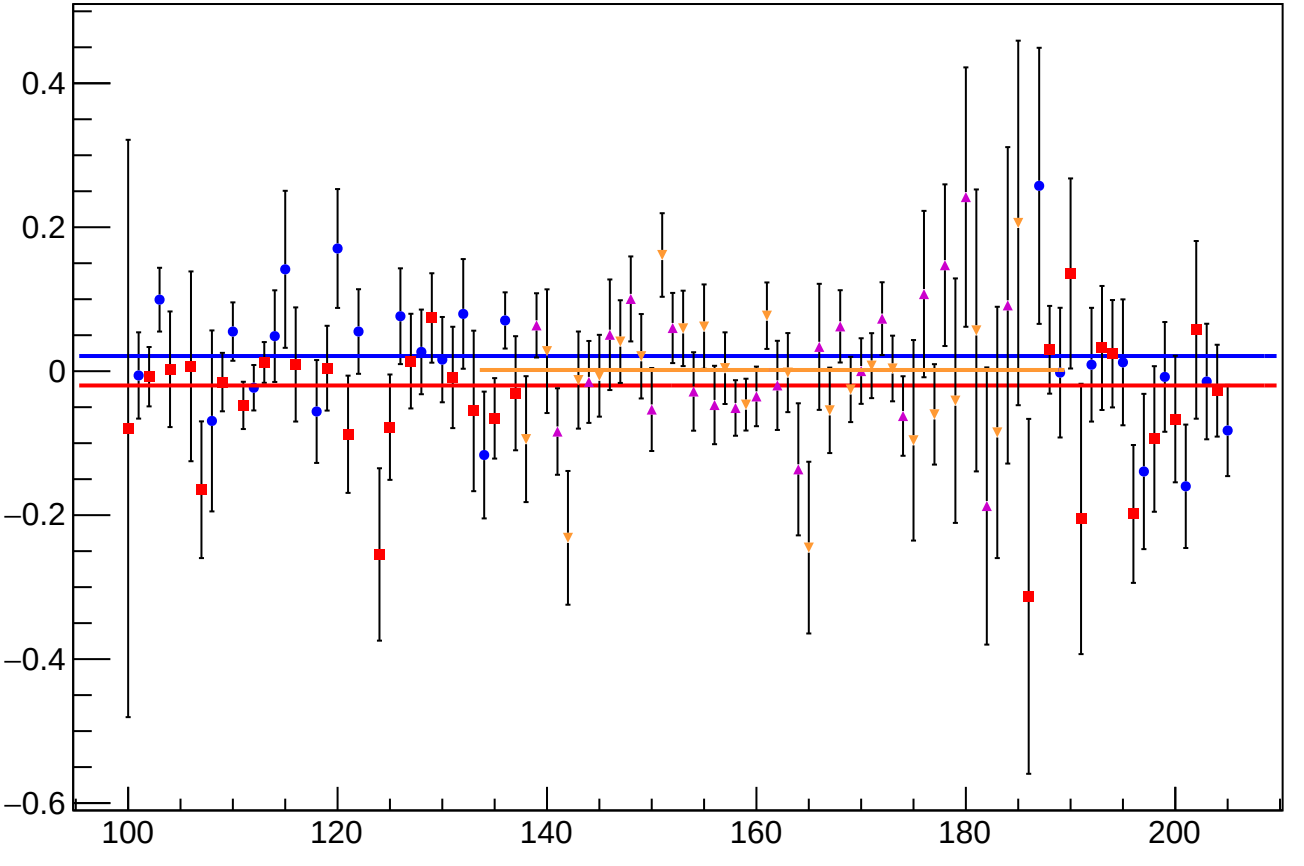
Right: 40.602+/-0.006 χ^2/NDF: 10017007.9/54

In: 44.995+/-0.006 χ^2/NDF:7458521.8/47

Out: 44.306+/-0.006 χ^2/NDF:10660384.0/54

All: 44.640+/-0.004 χ^2/NDF: 18125249.4/102

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

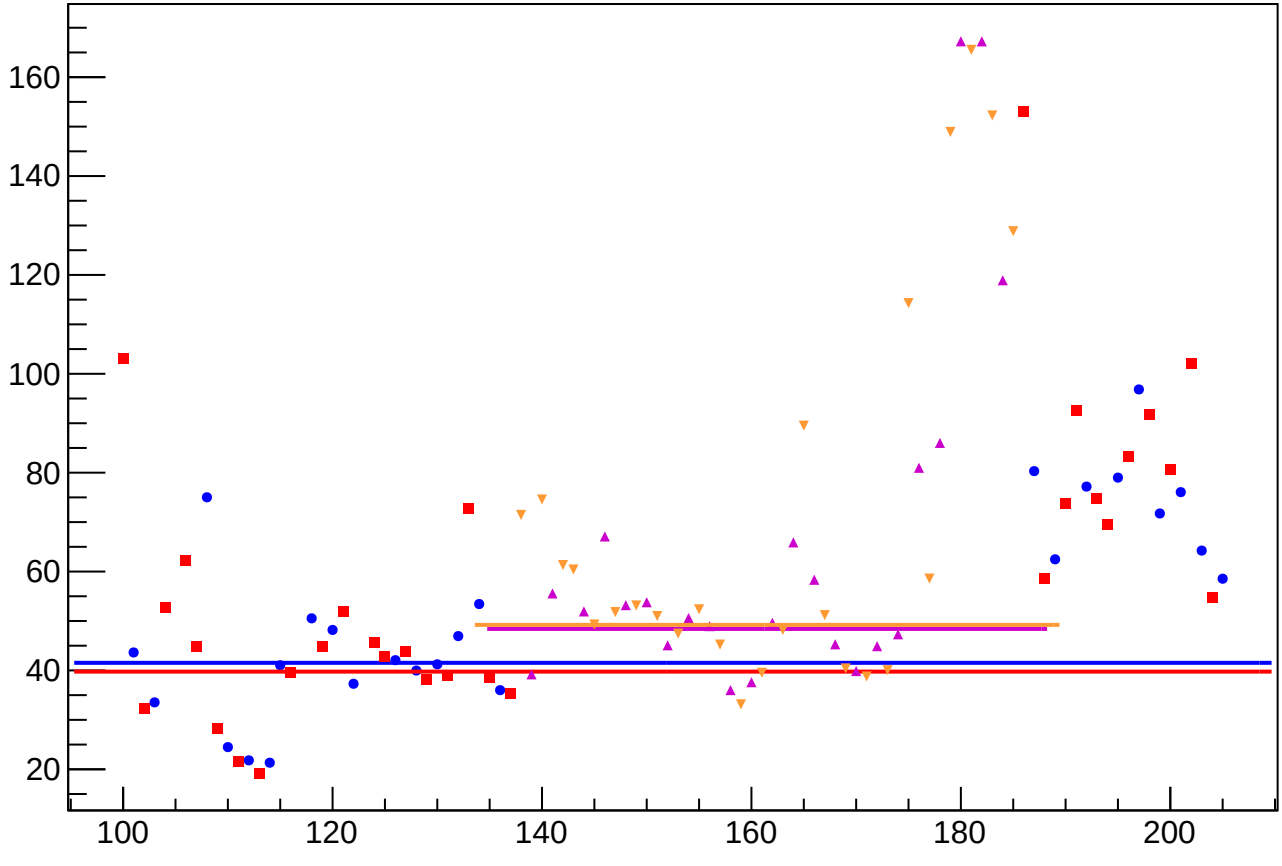
Right: -0.000+/-0.009 χ^2/NDF: 58.2/54

In: 0.011+/-0.009 χ^2/NDF:56.6/47

Out: -0.009+/-0.009 χ^2/NDF:55.2/54

All: 0.001+/-0.006 χ^2/NDF: 114.7/102

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.539+/-0.009 χ^2/NDF: 4121025.1/24

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

Right Out: 39.759+/-0.008 χ^2/NDF: 5874547.3/29

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

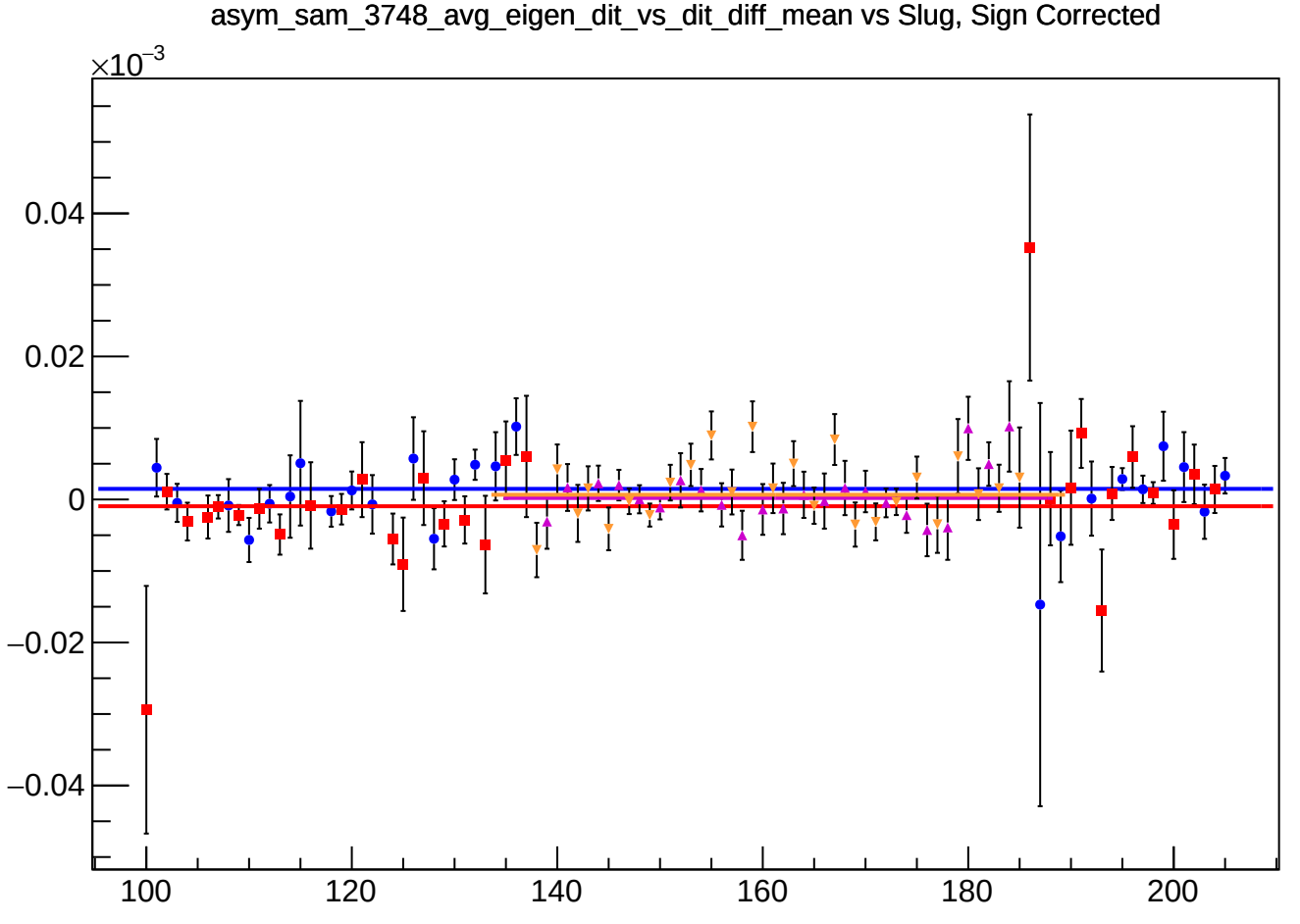
Left: 48.807+/-0.006 χ^2/NDF: 7209372.0/47

Right: 40.602+/-0.006 χ^2/NDF: 10017007.9/54

In: 44.995+/-0.006 χ^2/NDF:7458521.8/47

Out: 44.306+/-0.006 χ^2/NDF:10660384.0/54

All: 44.640+/-0.004 χ^2/NDF: 18125249.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/29

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 61.7/47

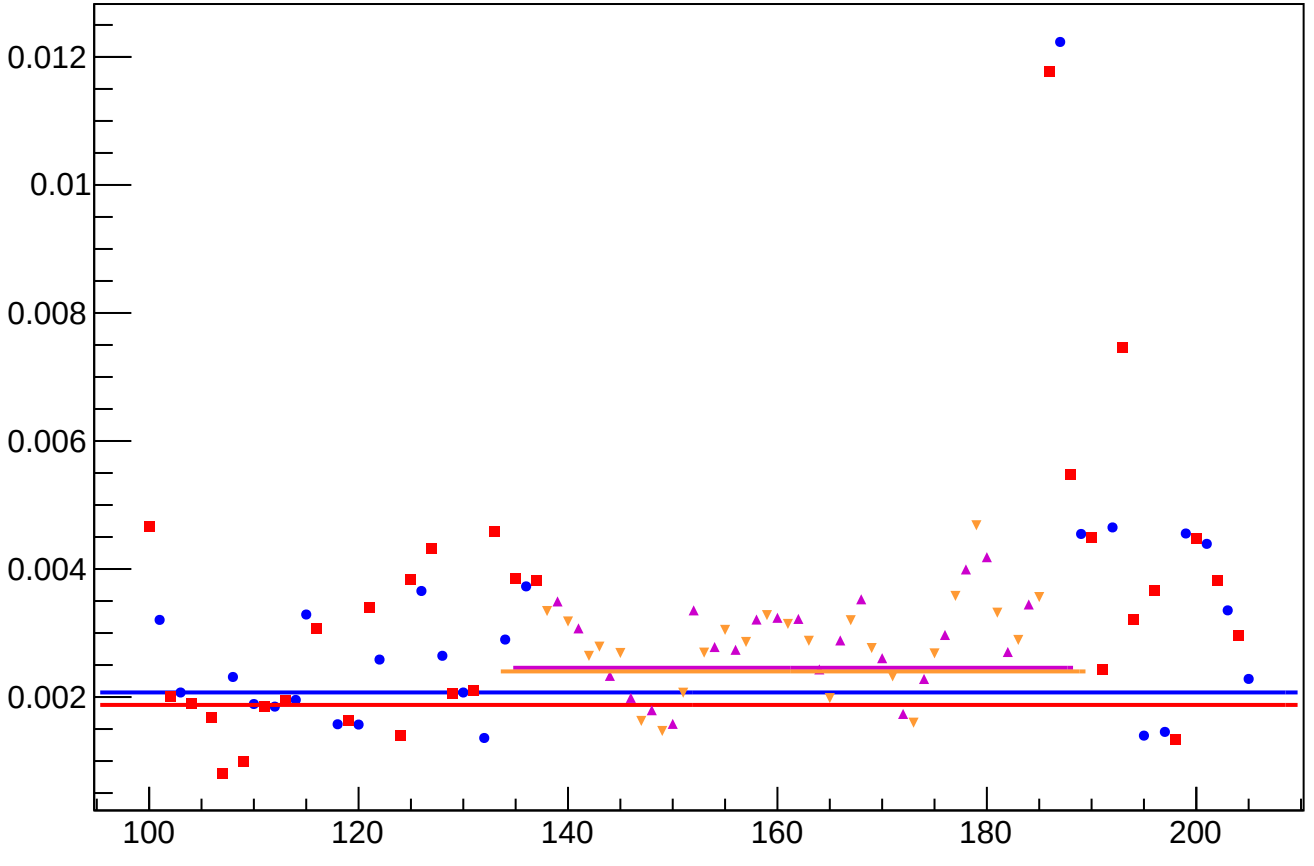
Right: 0.000+/-0.000 χ^2/NDF: 67.4/54

In: 0.000+/-0.000 χ^2/NDF:48.7/47

Out: -0.000+/-0.000 χ^2/NDF:77.9/54

All: 0.000+/-0.000 χ^2/NDF: 129.4/102

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4136253.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7559459.8/29

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

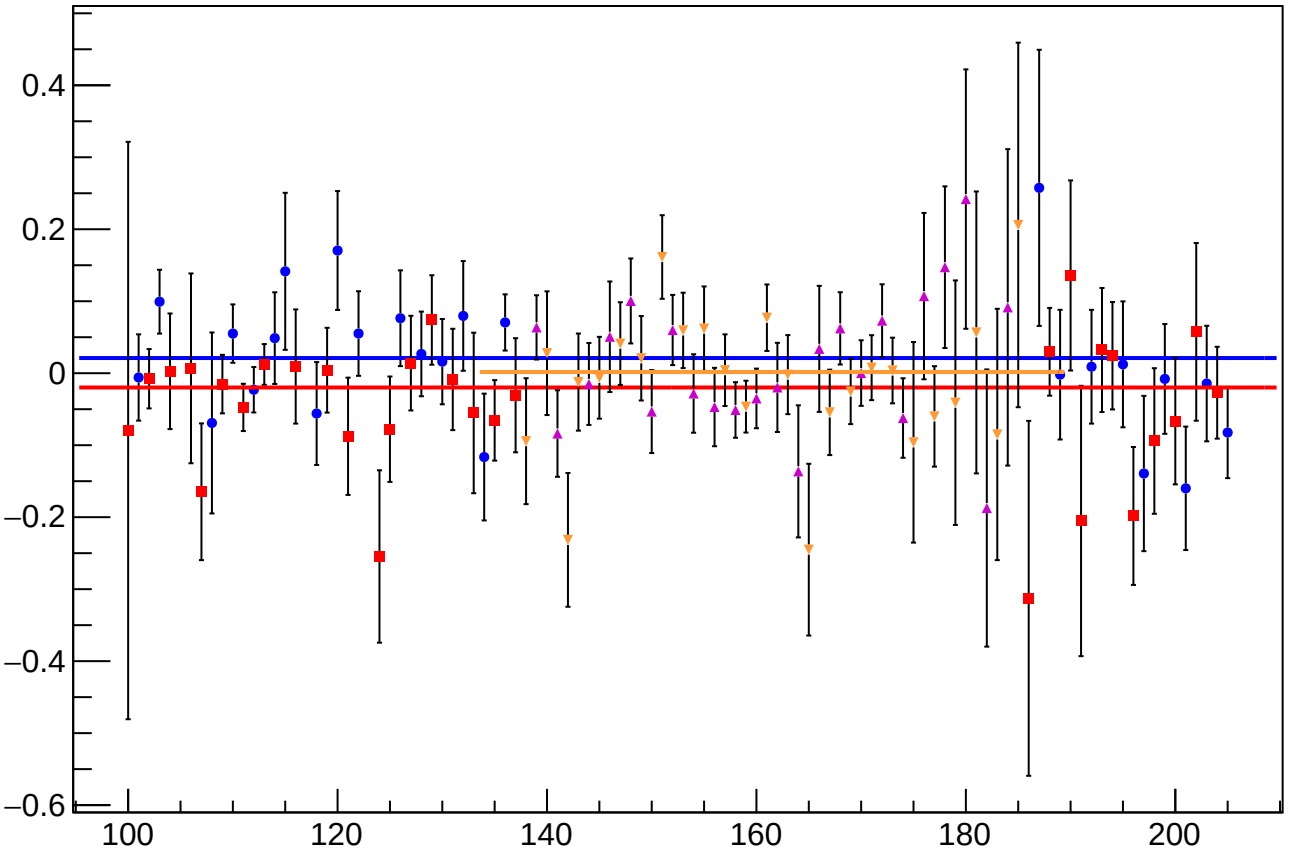
Left: 0.002+/-0.000 χ^2/NDF: 5762873.5/47

Right: 0.002+/-0.000 χ^2/NDF: 11803151.0/54

In: 0.002+/-0.000 χ^2/NDF:7163962.2/47

Out: 0.002+/-0.000 χ^2/NDF:11522174.4/54

All: 0.002+/-0.000 χ^2/NDF: 18786913.7/102



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

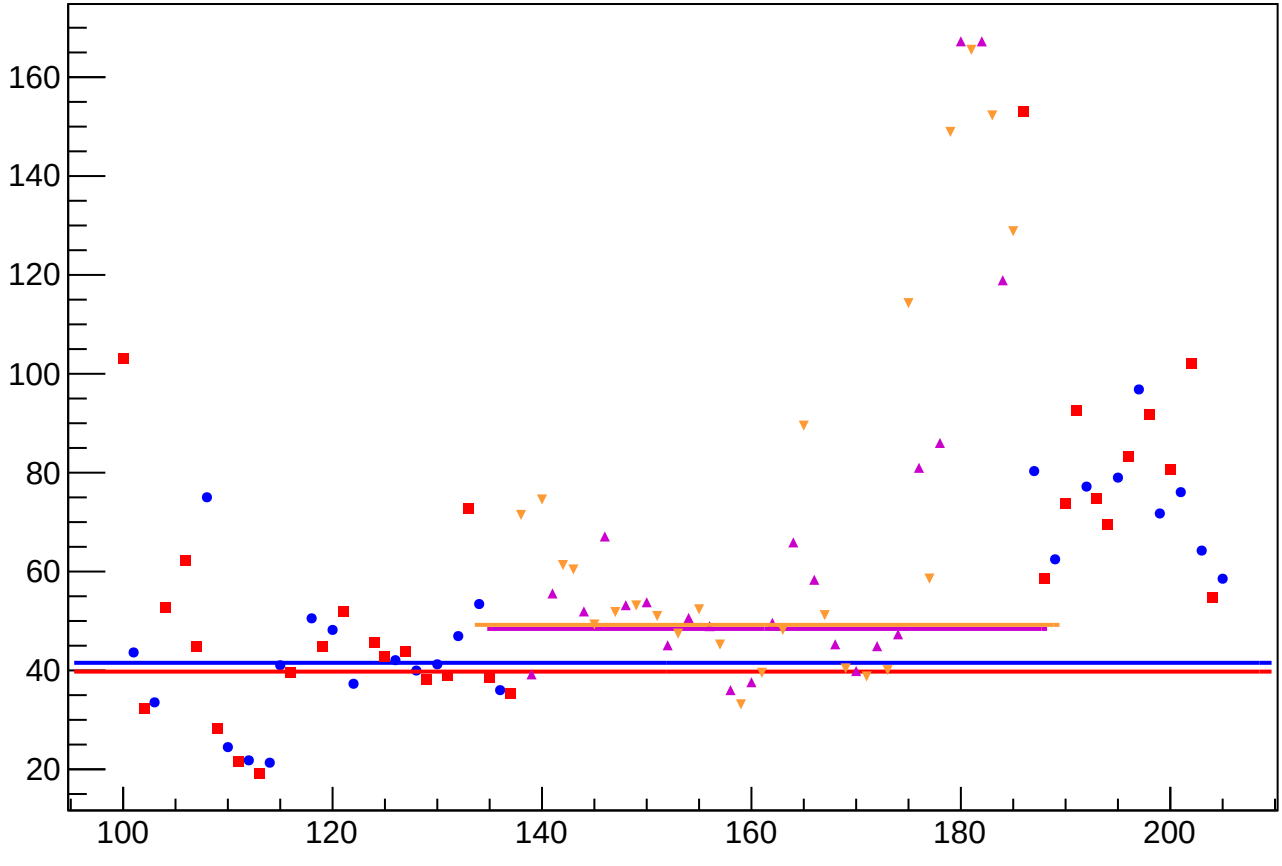
Right: -0.000+/-0.009 χ^2/NDF: 58.2/54

In: 0.011+/-0.009 χ^2/NDF:56.6/47

Out: -0.009+/-0.009 χ^2/NDF:55.2/54

All: 0.001+/-0.006 χ^2/NDF: 114.7/102

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.539+/-0.009 χ^2/NDF: 4120908.8/24

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 39.759+/-0.008 χ^2/NDF: 5874495.5/29

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

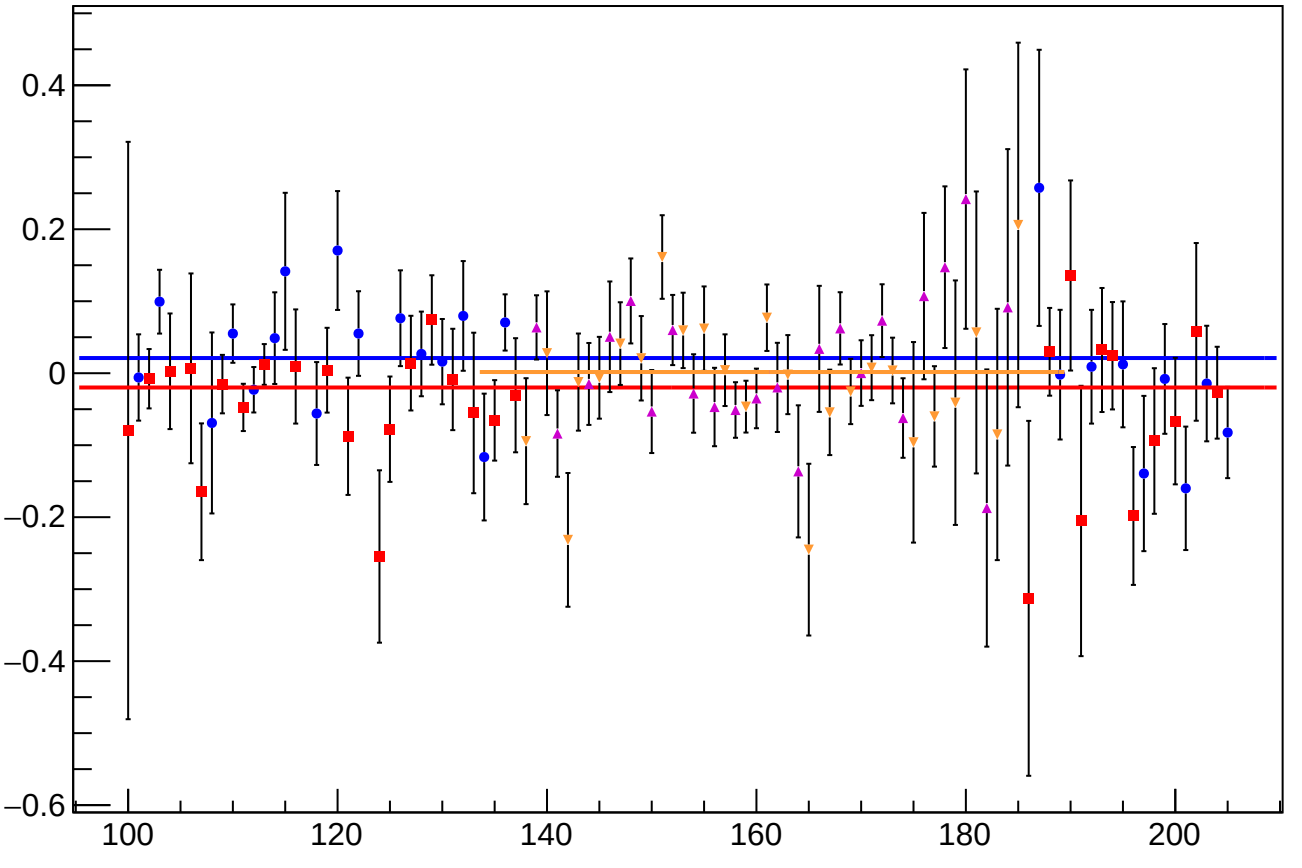
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 40.602+/-0.006 χ^2/NDF: 10016837.2/54

In: 44.996+/-0.006 χ^2/NDF:7458384.2/47

Out: 44.307+/-0.006 χ^2/NDF:10660304.8/54

All: 44.641+/-0.004 χ^2/NDF: 18125031.2/102



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.020+/-0.012 χ^2/NDF: 23.2/29

Left In: 0.002+/-0.012 χ^2/NDF:26.1/22

Left: 0.002+/-0.009 χ^2/NDF: 56.5/47

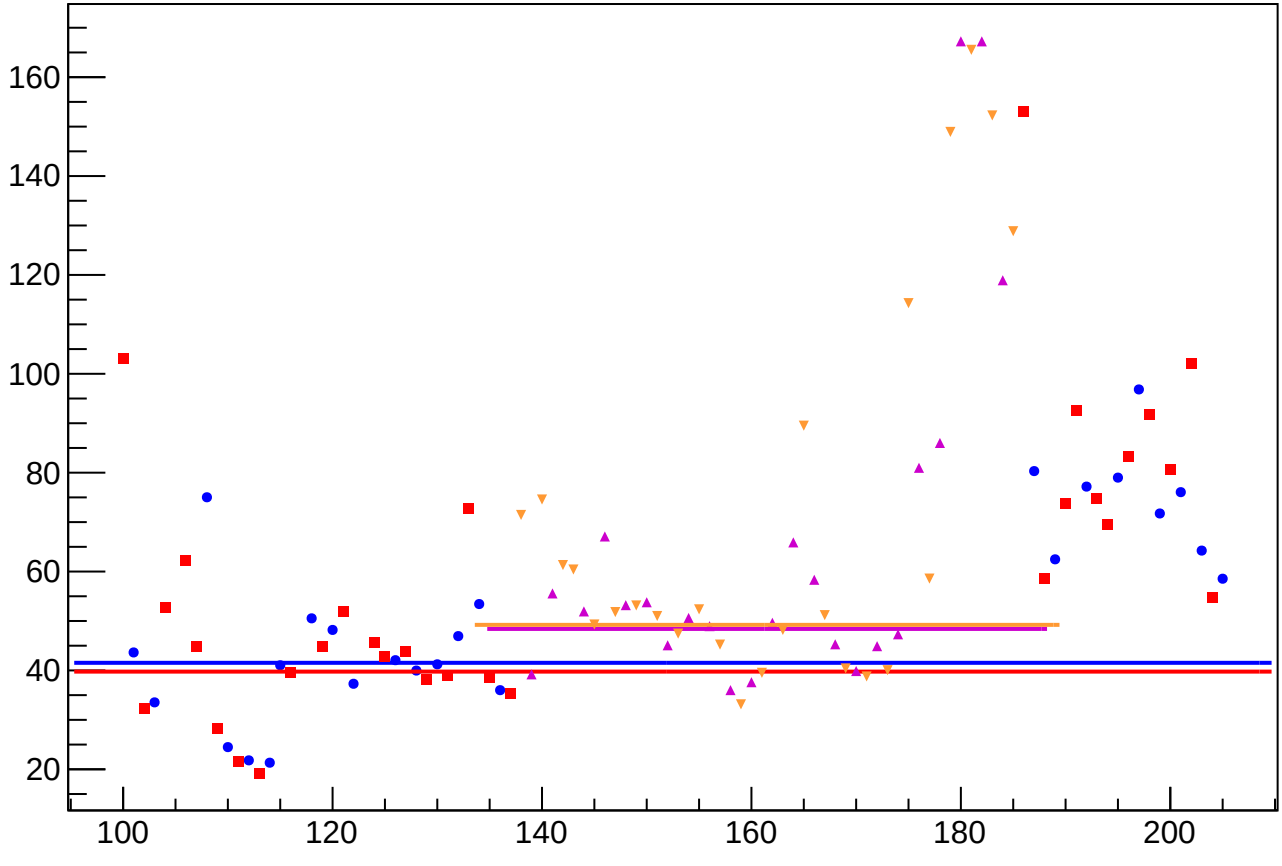
Right: -0.000+/-0.009 χ^2/NDF: 58.2/54

In: 0.011+/-0.009 χ^2/NDF:56.6/47

Out: -0.009+/-0.009 χ^2/NDF:55.2/54

All: 0.001+/-0.006 χ^2/NDF: 114.7/102

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 41.539+/-0.009 χ^2/NDF: 4120908.8/24

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

Right Out: 39.759+/-0.008 χ^2/NDF: 5874495.5/29

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

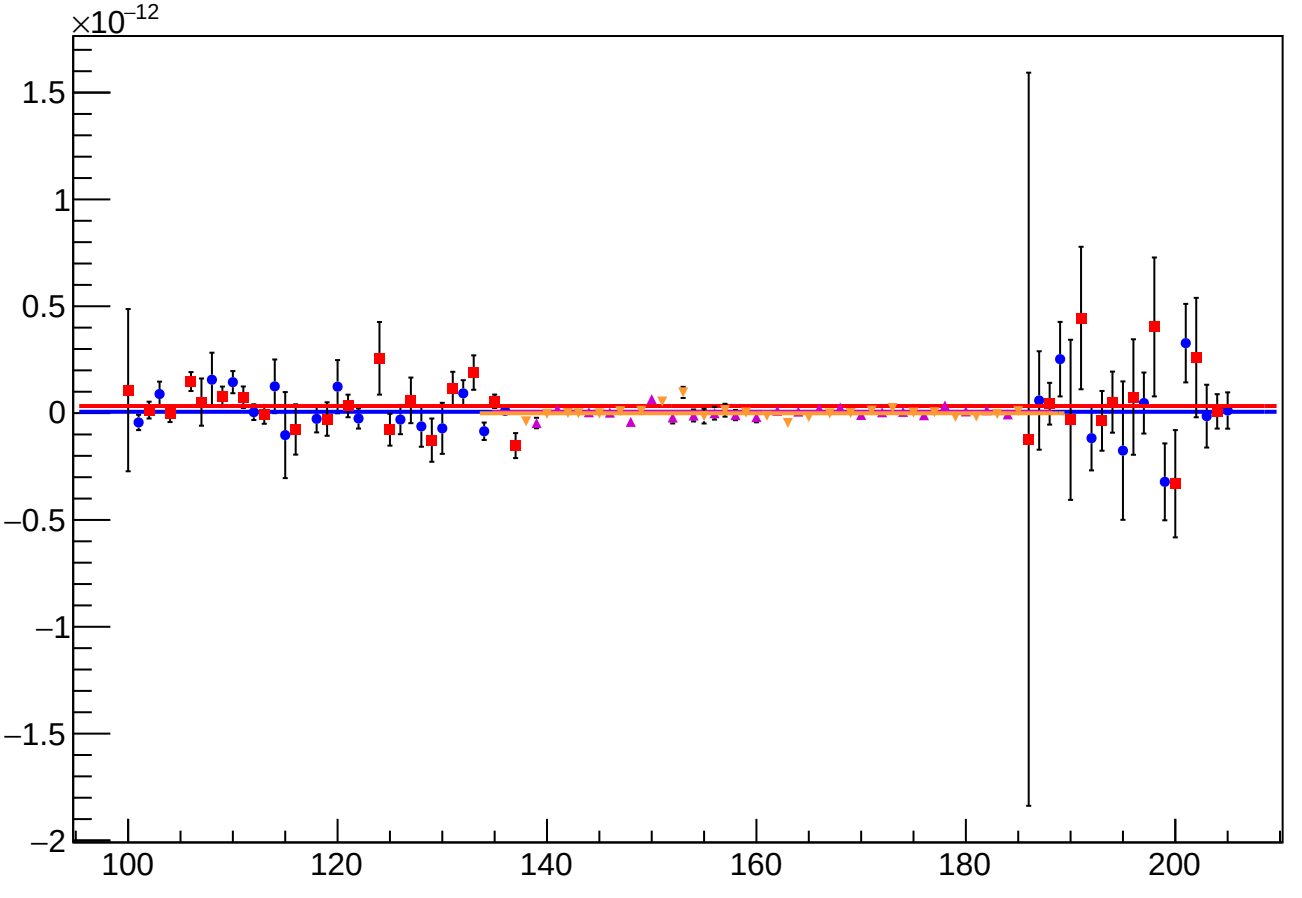
Left: 48.807+/-0.006 χ^2/NDF: 7209310.4/47

Right: 40.602+/-0.006 χ^2/NDF: 10016837.2/54

In: 44.996+/-0.006 χ^2/NDF:7458384.2/47

Out: 44.307+/-0.006 χ^2/NDF:10660304.8/54

All: 44.641+/-0.004 χ^2/NDF: 18125031.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.5/29

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

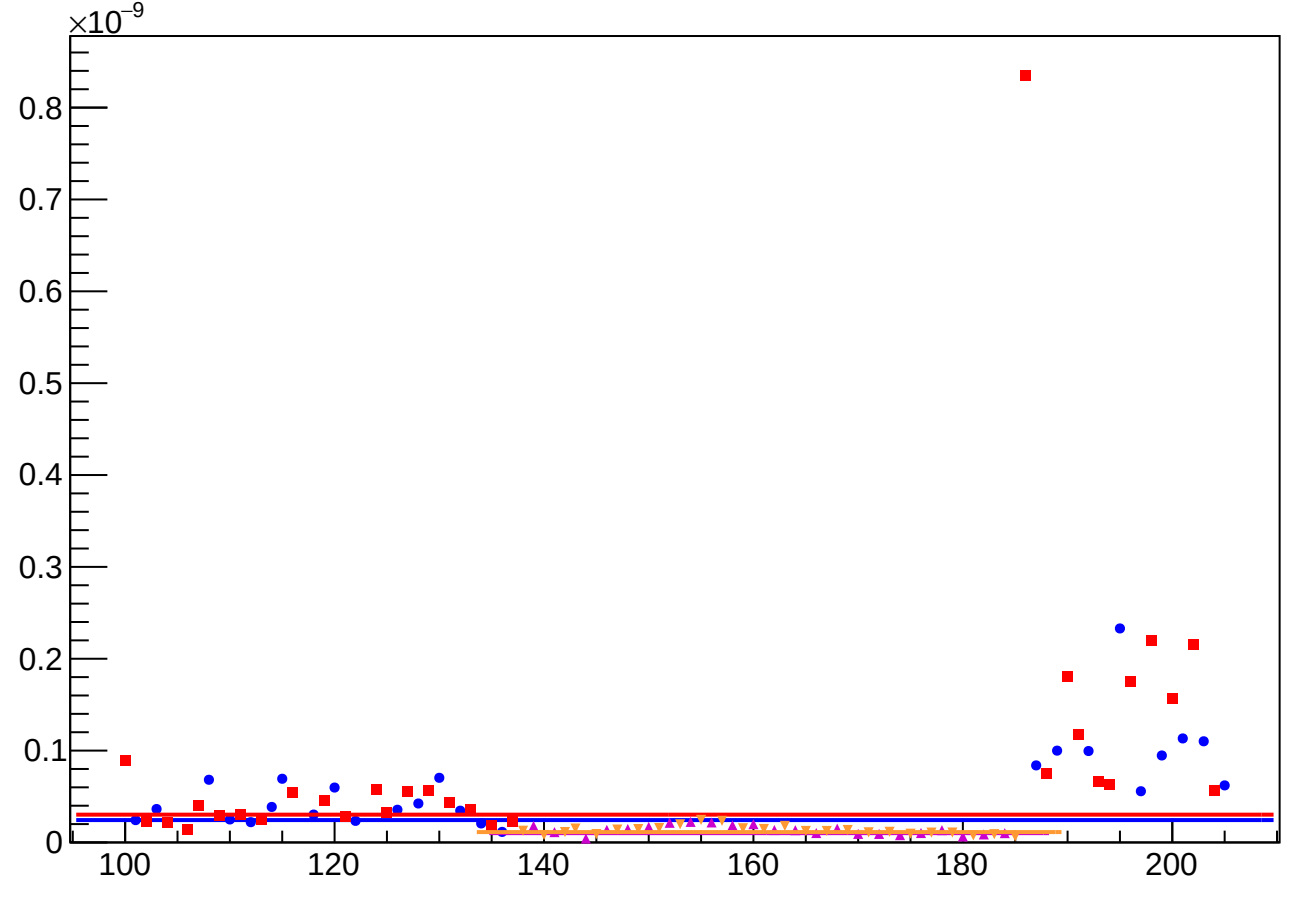
Left: 0.000+/-0.000 χ^2/NDF: 67.2/47

Right: 0.000+/-0.000 χ^2/NDF: 75.2/54

In: 0.000+/-0.000 χ^2/NDF:61.5/47

Out: 0.000+/-0.000 χ^2/NDF:83.2/54

All: 0.000+/-0.000 χ^2/NDF: 145.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 6019724.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5795698.2/29

Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

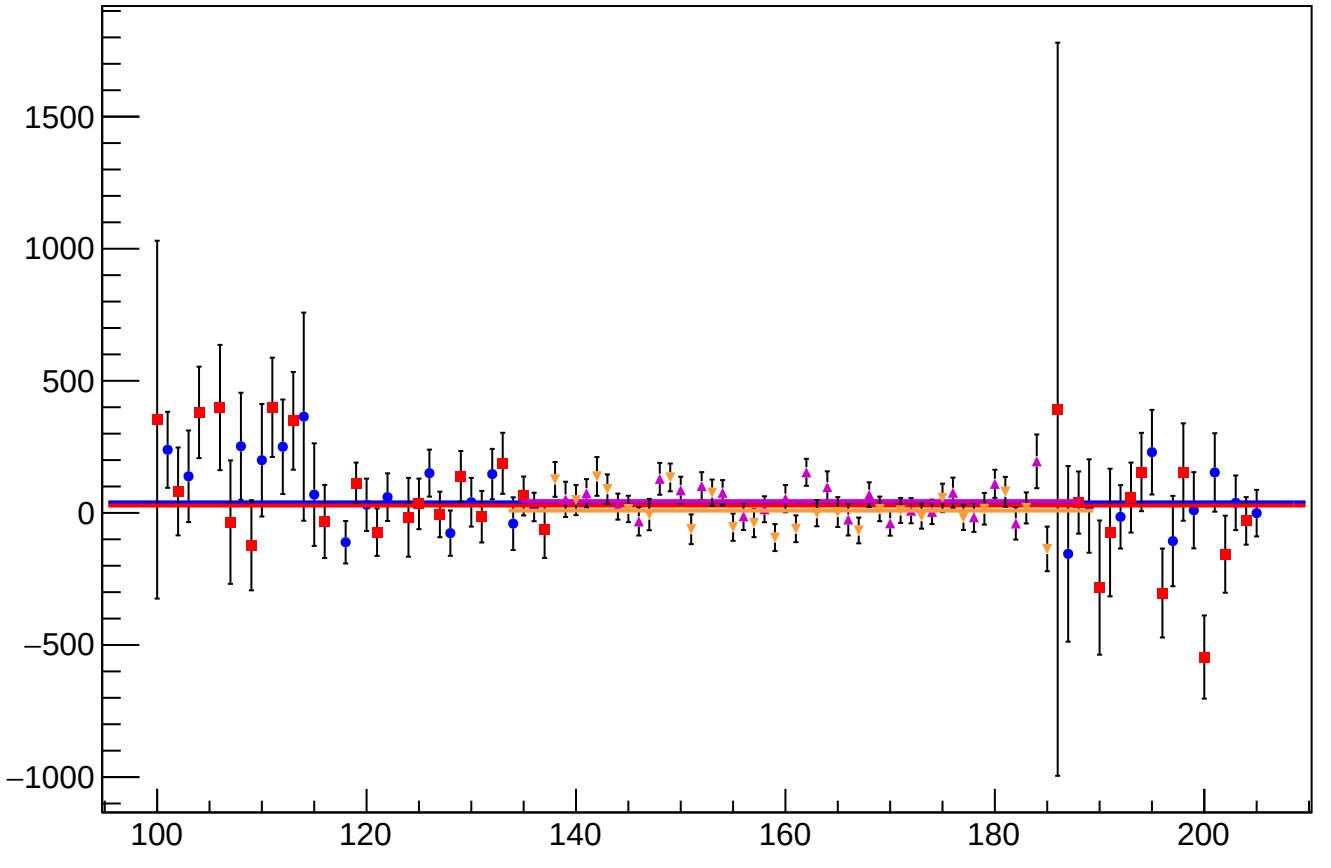
Left: 0.000+/-0.000 χ^2/NDF: 6357070.7/47

Right: 0.000+/-0.000 χ^2/NDF: 12062304.8/54

In: 0.000+/-0.000 χ^2/NDF:13061285.4/47

Out: 0.000+/-0.000 χ^2/NDF:12252458.8/54

All: 0.000+/-0.000 χ^2/NDF: 25482110.9/102



Right In: 39.767+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: 27.981+/-23.149 χ^2/NDF: 44.1/29

Left In: 44.541+/-11.149 χ^2/NDF:27.0/22

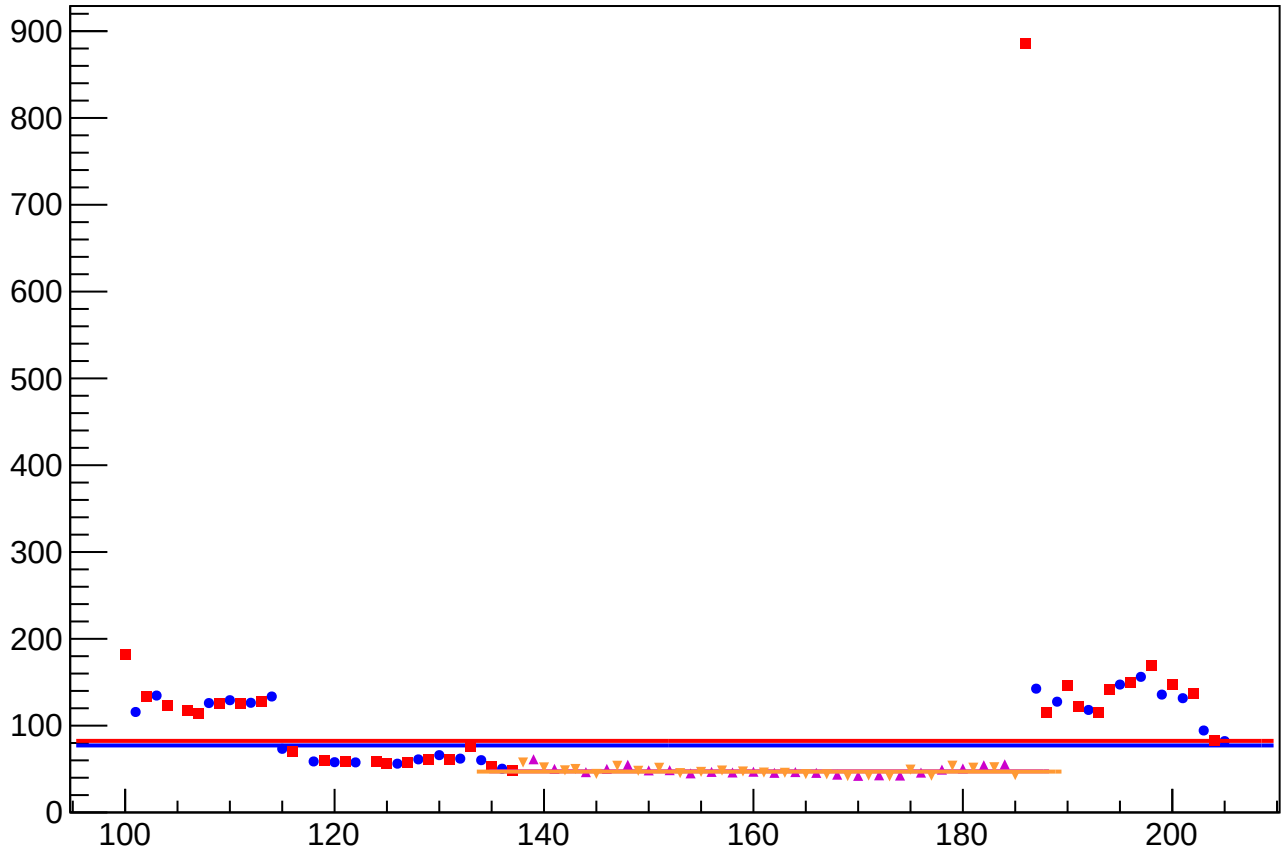
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 34.084+/-16.075 χ^2/NDF: 62.7/54

In: 43.589+/-9.975 χ^2/NDF:45.6/47

Out: 12.176+/-9.765 χ^2/NDF:79.2/54

All: 27.547+/-6.978 χ^2/NDF: 129.9/102



Right In: 77.191+/-0.016 χ^2/NDF: 3822267.6/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.443+/-0.016 χ^2/NDF: 4982780.8/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

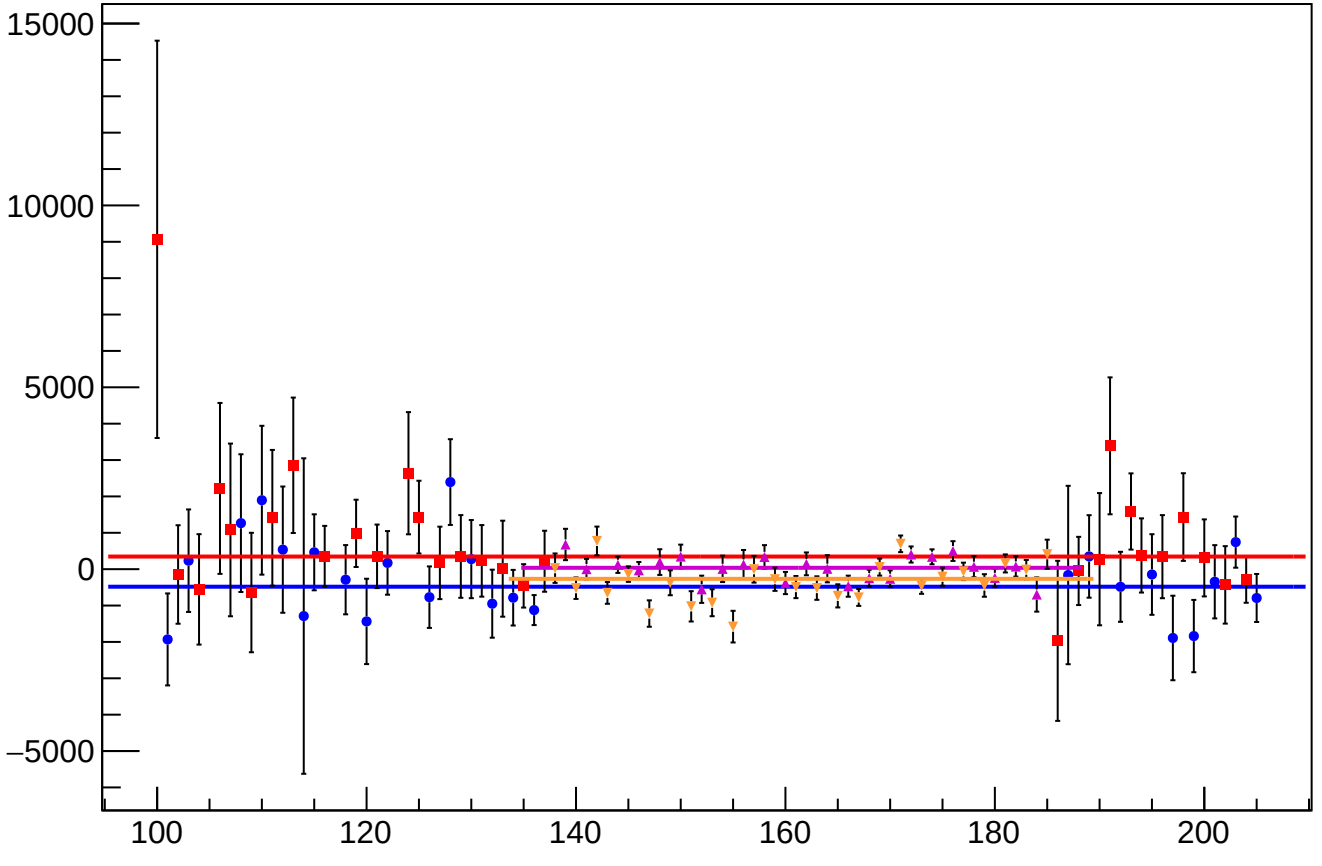
Right: 79.724+/-0.011 χ^2/NDF: 8858344.4/54

In: 53.327+/-0.007 χ^2/NDF:6944212.6/47

Out: 53.359+/-0.007 χ^2/NDF:9110593.2/54

All: 53.343+/-0.005 χ^2/NDF: 16054815.9/102

asym_sam_1526_avg_reg_correction_mean vs Slug, Sign Corrected



Right In: -482.253+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: 347.171+/-201.136 χ^2/NDF: 19.4/29

Left In: 37.530+/-59.159 χ^2/NDF:26.6/22

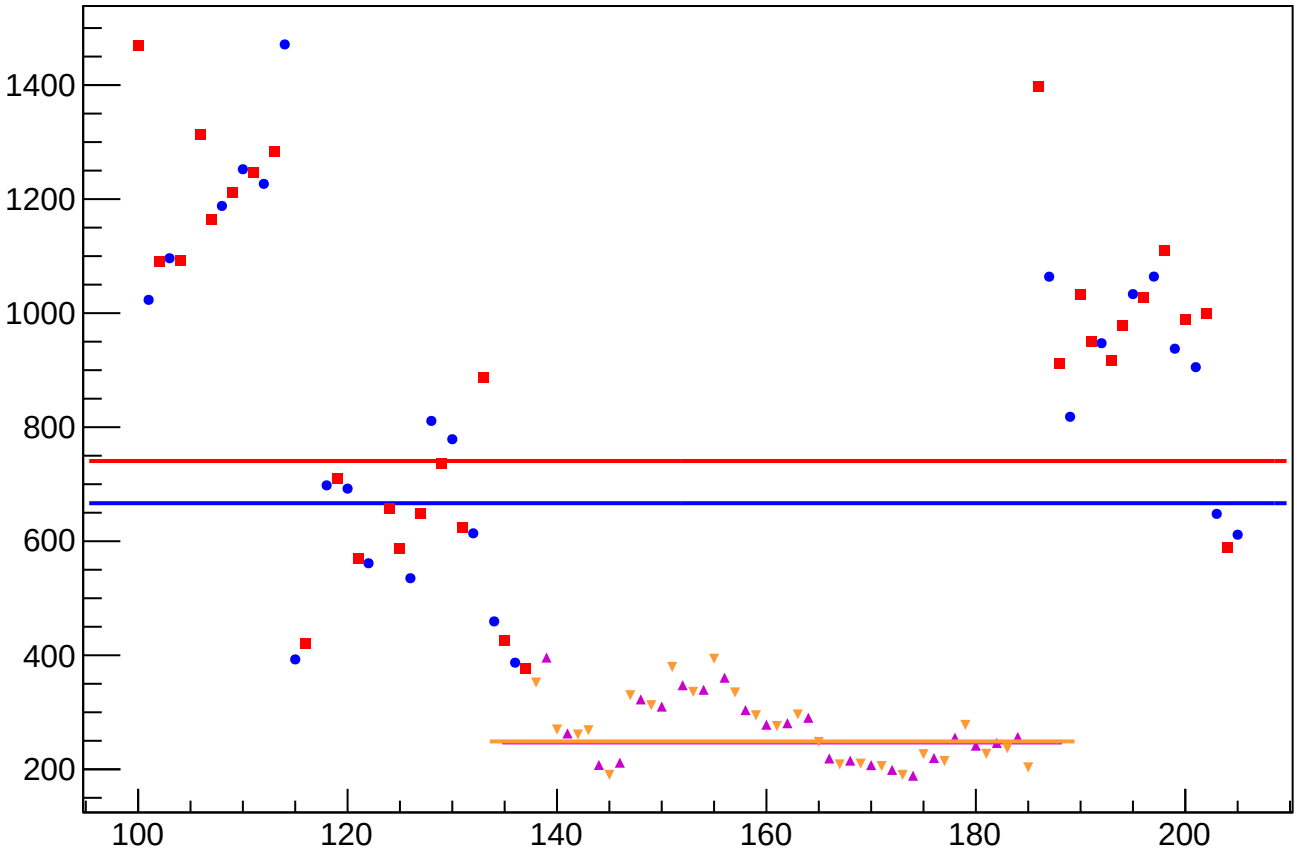
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -91.170+/-138.114 χ^2/NDF: 51.3/54

In: -8.415+/-56.484 χ^2/NDF:56.3/47

Out: -218.589+/-55.757 χ^2/NDF:97.8/54

All: -114.864+/-39.681 χ^2/NDF: 161.1/102



Right In: 666.678+/-0.134 χ^2/NDF: 3269171.4/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 740.717+/-0.142 χ^2/NDF: 3511771.2/29

Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

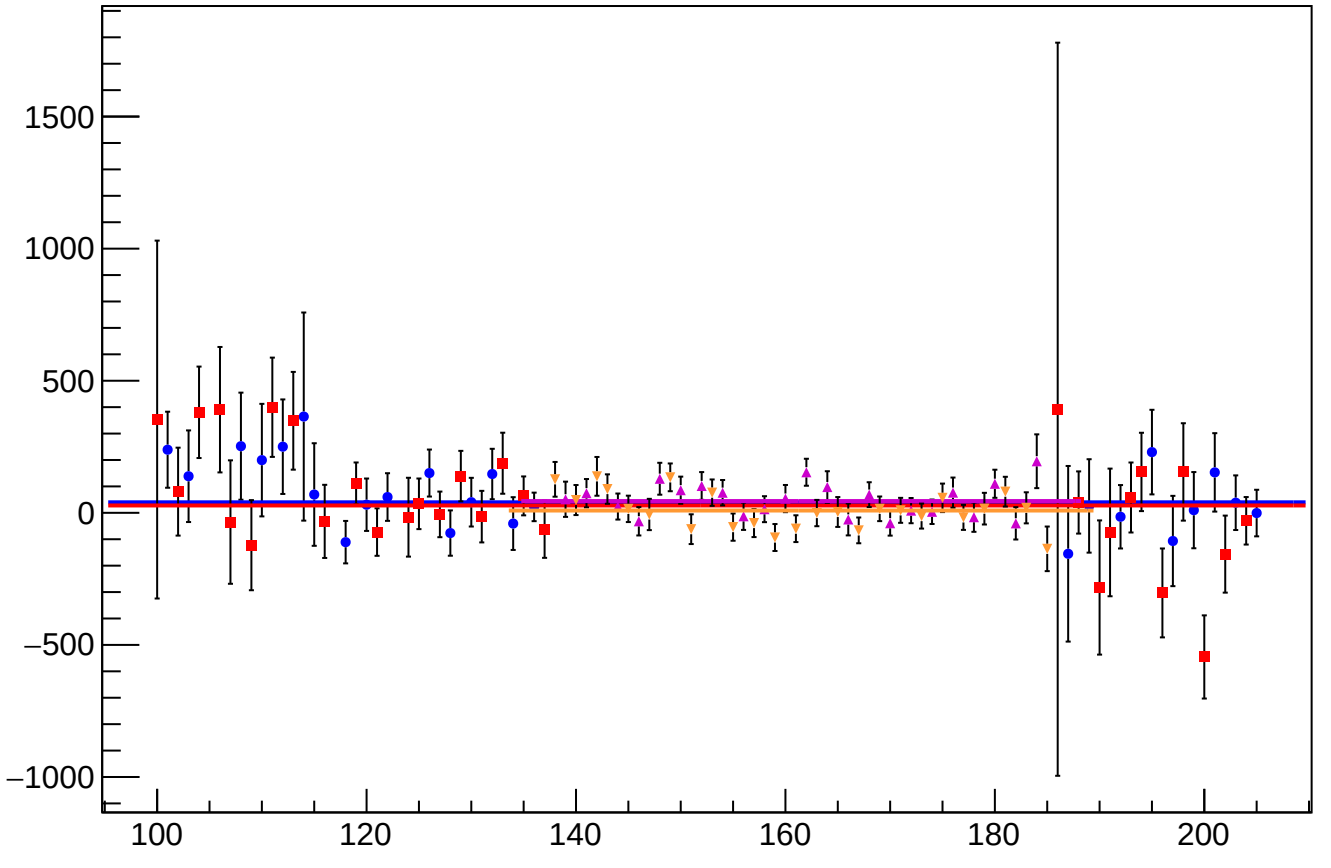
Left: 248.017+/-0.029 χ^2/NDF: 3149084.7/47

Right: 701.588+/-0.098 χ^2/NDF: 6924165.7/54

In: 284.196+/-0.040 χ^2/NDF:13645720.7/47

Out: 286.685+/-0.039 χ^2/NDF:16214927.2/54

All: 285.457+/-0.028 χ^2/NDF: 29862615.6/10



Right In: 39.759+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 27.870+/-23.150 χ^2/NDF: 43.9/29

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

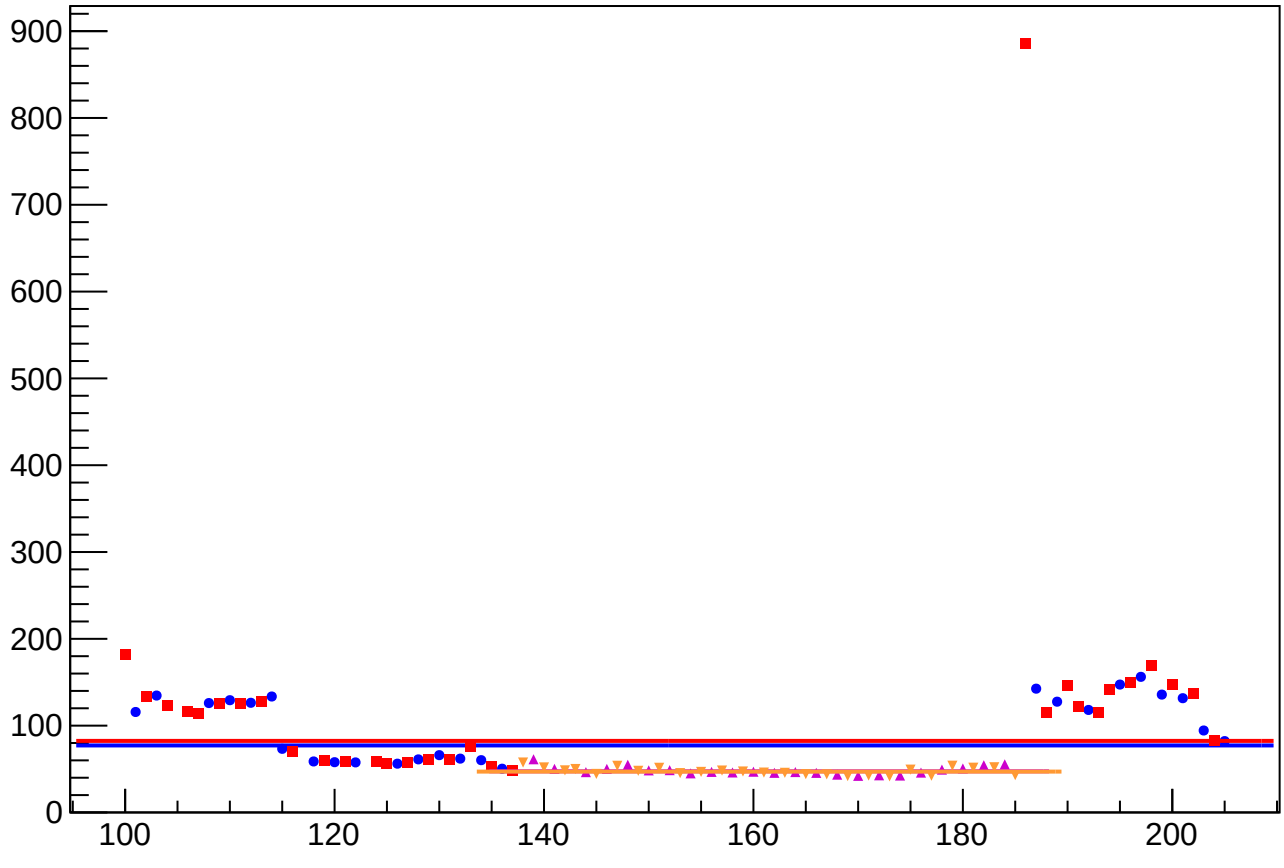
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 34.026+/-16.075 χ^2/NDF: 62.6/54

In: 43.587+/-9.975 χ^2/NDF:45.6/47

Out: 12.158+/-9.765 χ^2/NDF:79.1/54

All: 27.537+/-6.978 χ^2/NDF: 129.7/102



Right In: 77.191+/-0.016 χ^2/NDF: 3822269.9/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.433+/-0.016 χ^2/NDF: 4980507.7/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

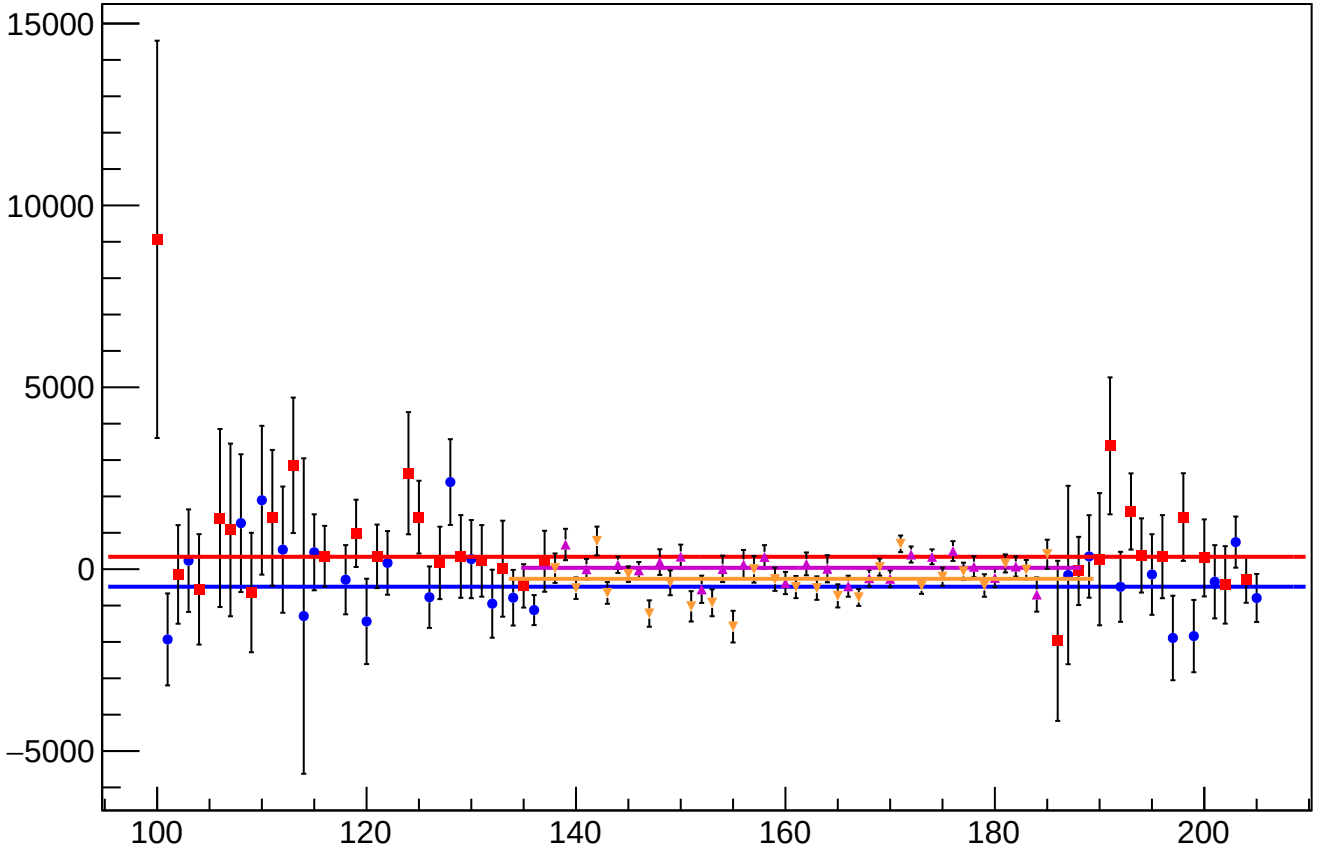
Right: 79.719+/-0.011 χ^2/NDF: 8855867.8/54

In: 53.327+/-0.007 χ^2/NDF:6944214.7/47

Out: 53.357+/-0.007 χ^2/NDF:9105994.3/54

All: 53.342+/-0.005 χ^2/NDF: 16050217.9/102

asym_sam_1526_avg_cor_correction_mean vs Slug, Sign Corrected



Right In: -482.242+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 340.663+/-201.198 χ^2/NDF: 18.9/29

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

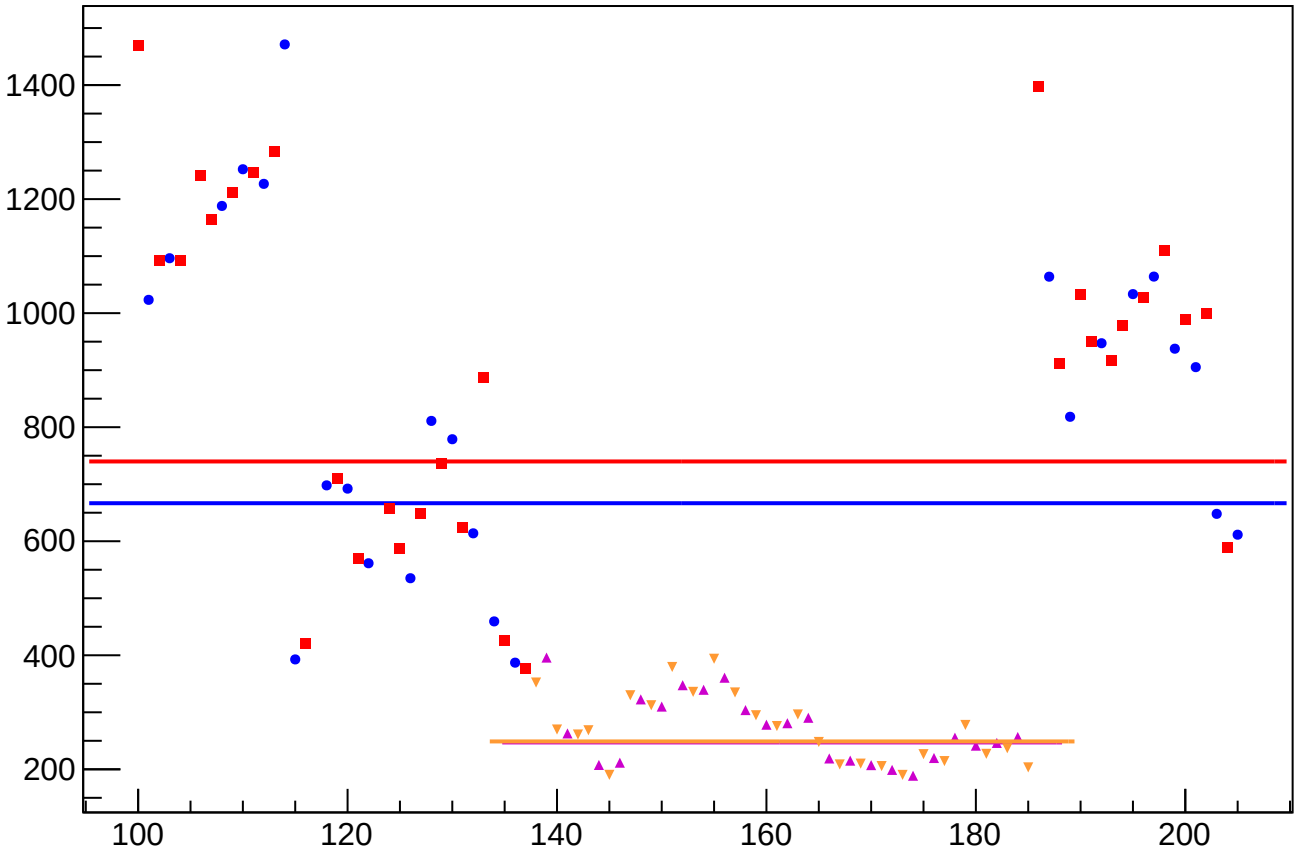
Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

Right: -94.357+/-138.134 χ^2/NDF: 50.7/54

In: -8.417+/-56.484 χ^2/NDF:56.3/47

Out: -219.112+/-55.758 χ^2/NDF:97.1/54

All: -115.127+/-39.681 χ^2/NDF: 160.5/102



Right In: 666.678+/-0.134 χ^2/NDF: 3269211.1/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.908+/-0.142 χ^2/NDF: 3477043.0/29

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

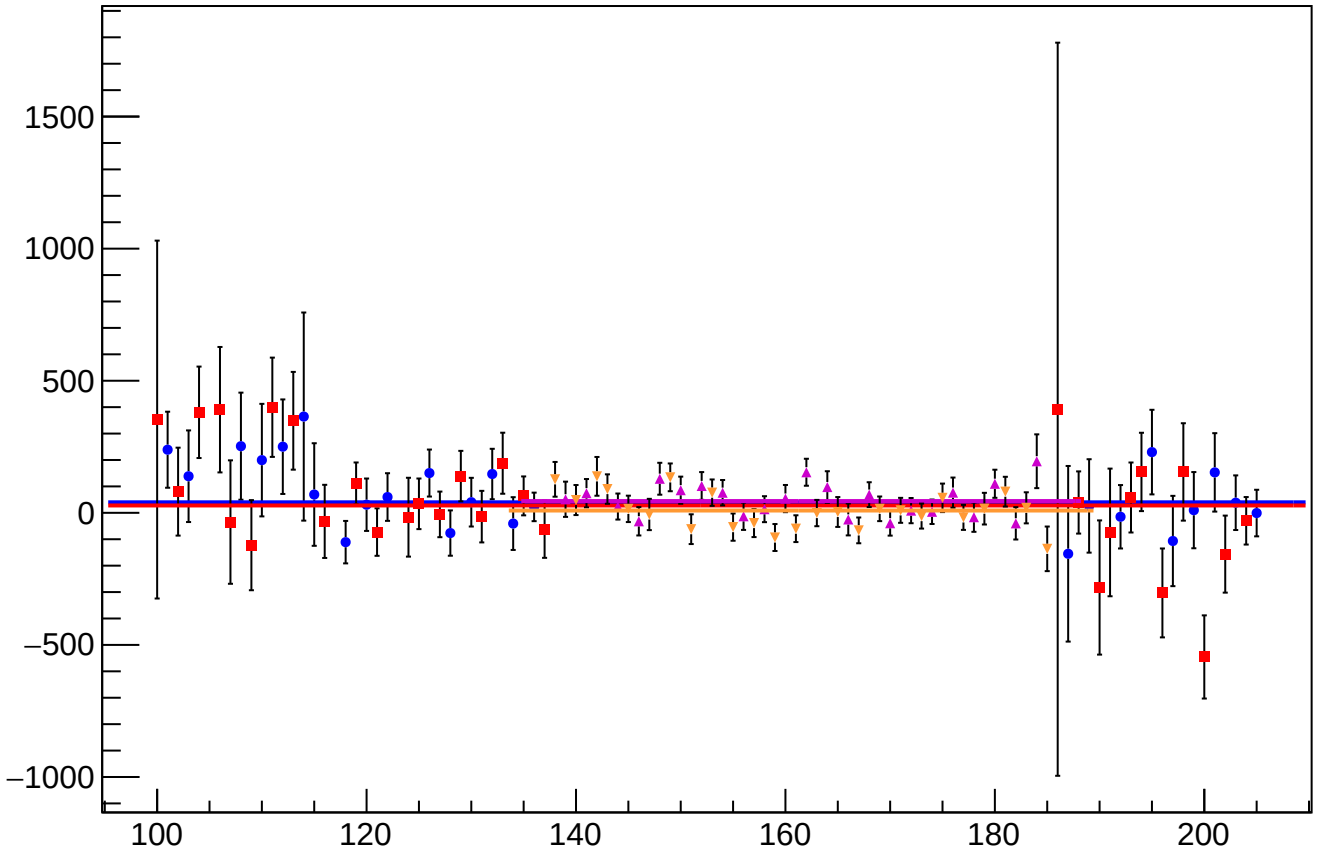
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 701.195+/-0.098 χ^2/NDF: 6886317.1/54

In: 284.196+/-0.040 χ^2/NDF:13645733.7/47

Out: 286.602+/-0.039 χ^2/NDF:16137723.2/54

All: 285.414+/-0.028 χ^2/NDF: 29785294.4/10



Right In: 39.759+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: 27.870+/-23.150 χ^2/NDF: 43.9/29

Left In: 44.540+/-11.149 χ^2/NDF:27.0/22

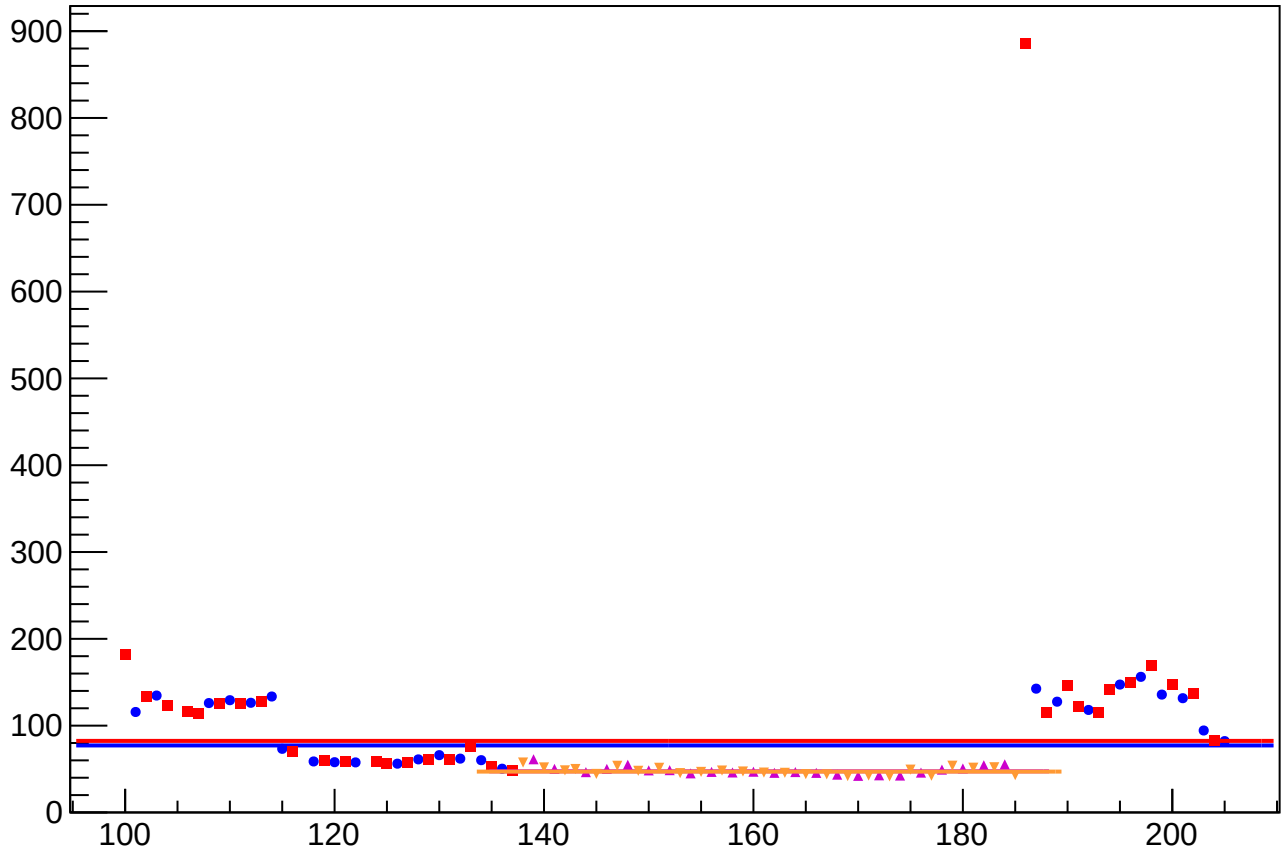
Left: 26.030+/-7.746 χ^2/NDF: 66.9/47

Right: 34.026+/-16.075 χ^2/NDF: 62.6/54

In: 43.587+/-9.975 χ^2/NDF:45.6/47

Out: 12.158+/-9.765 χ^2/NDF:79.1/54

All: 27.537+/-6.978 χ^2/NDF: 129.7/102



Right In: 77.191+/-0.016 χ^2/NDF: 3822269.9/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

Right Out: 82.433+/-0.016 χ^2/NDF: 4980507.7/29

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

Left: 47.218+/-0.005 χ^2/NDF: 559476.9/47

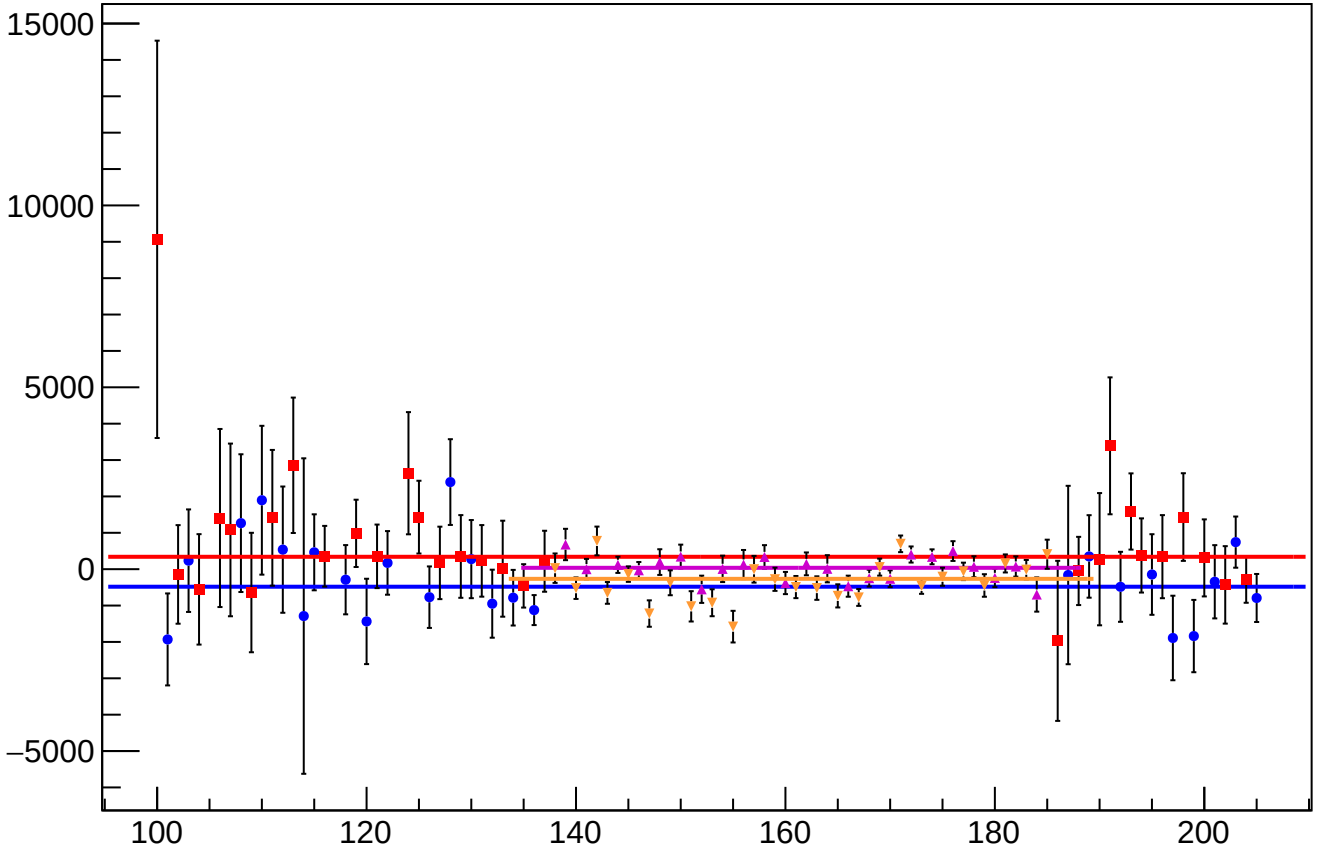
Right: 79.719+/-0.011 χ^2/NDF: 8855867.8/54

In: 53.327+/-0.007 χ^2/NDF:6944214.7/47

Out: 53.357+/-0.007 χ^2/NDF:9105994.3/54

All: 53.342+/-0.005 χ^2/NDF: 16050217.9/102

asym_sam_1526_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -482.242+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: 340.663+/-201.198 χ^2/NDF: 18.9/29

Left In: 37.527+/-59.159 χ^2/NDF:26.6/22

Left: -116.996+/-41.427 χ^2/NDF: 109.8/47

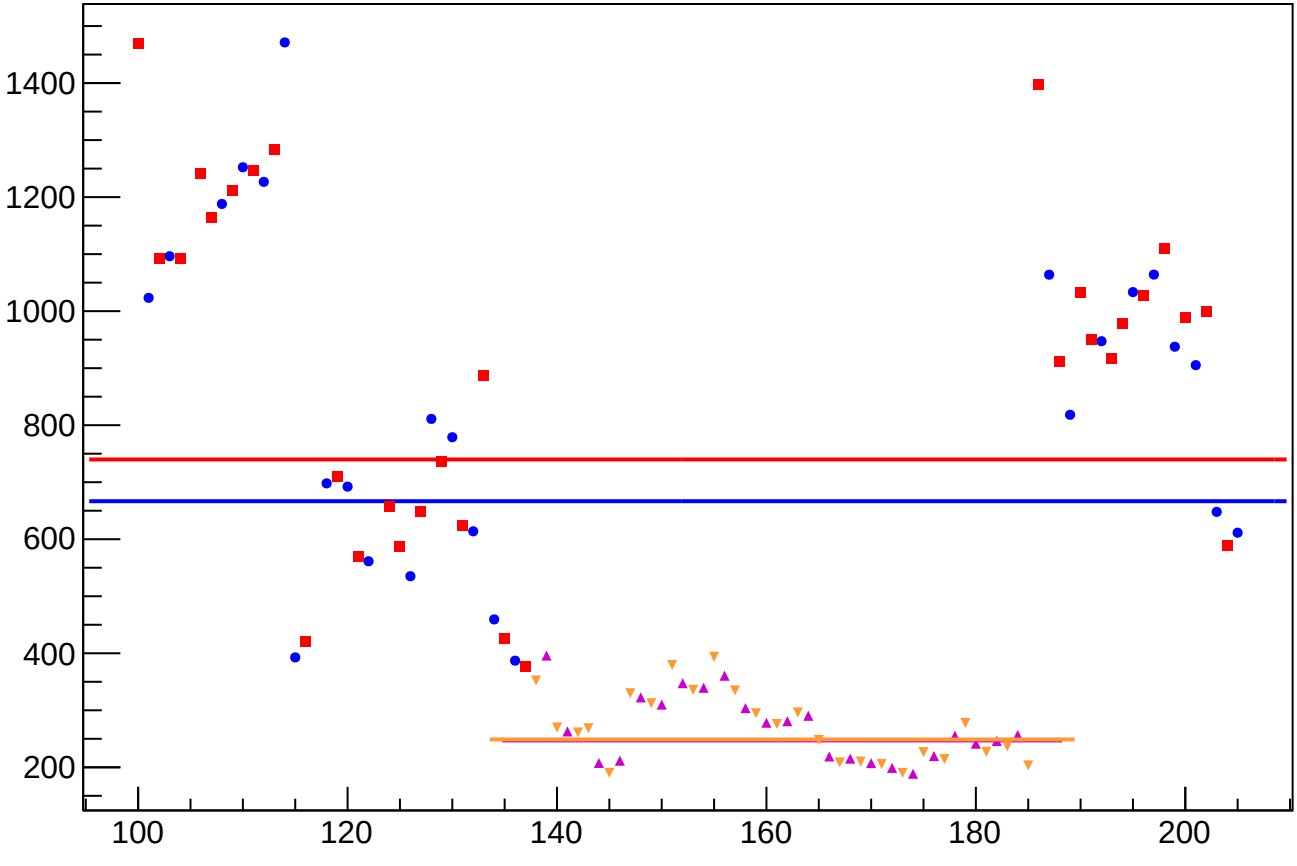
Right: -94.357+/-138.134 χ^2/NDF: 50.7/54

In: -8.417+/-56.484 χ^2/NDF:56.3/47

Out: -219.112+/-55.758 χ^2/NDF:97.1/54

All: -115.127+/-39.681 χ^2/NDF: 160.5/102

asym_sam_1526_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 666.678+/-0.134 χ^2/NDF: 3269211.1/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 739.908+/-0.142 χ^2/NDF: 3477043.0/29

Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

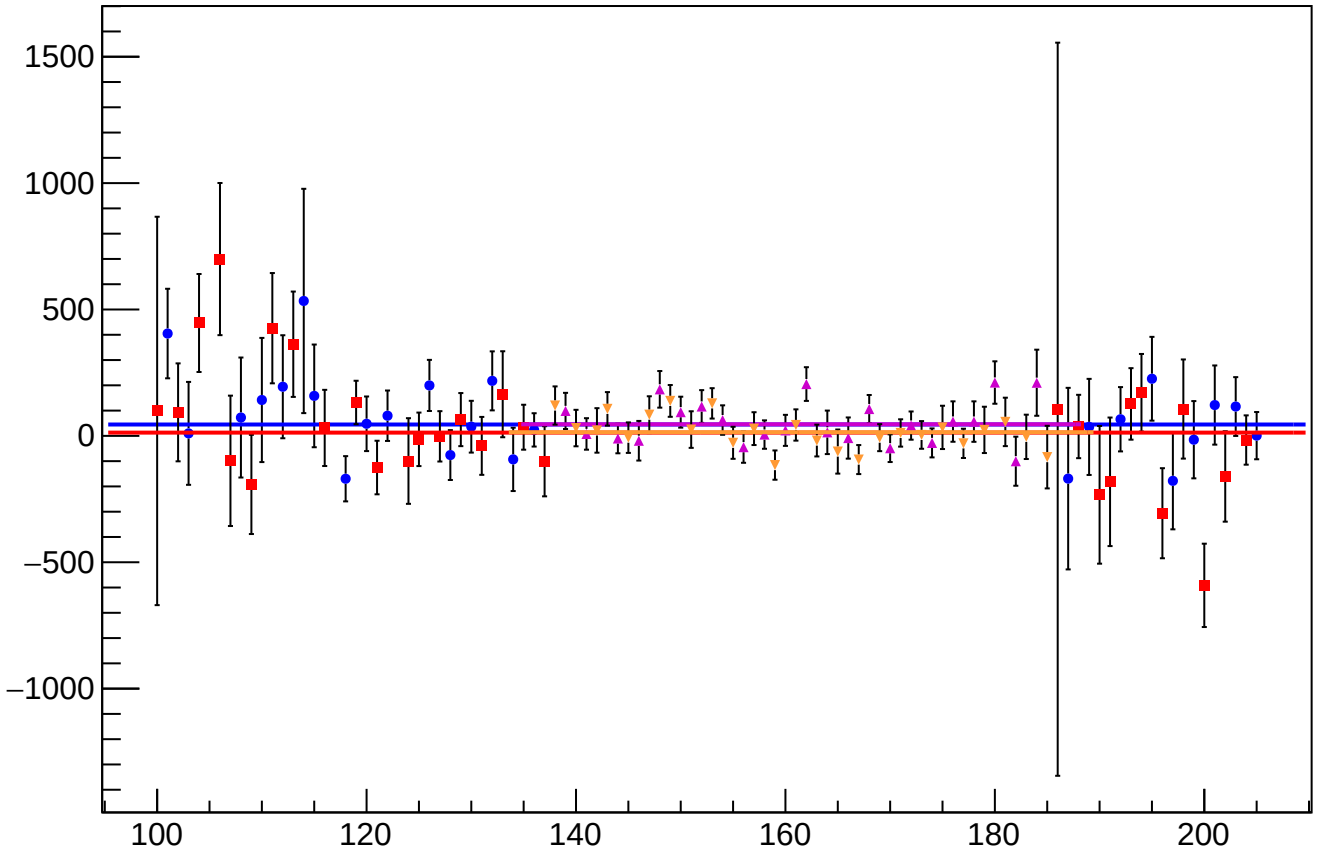
Left: 248.017+/-0.029 χ^2/NDF: 3149087.2/47

Right: 701.195+/-0.098 χ^2/NDF: 6886317.1/54

In: 284.196+/-0.040 χ^2/NDF:13645733.7/47

Out: 286.602+/-0.039 χ^2/NDF:16137723.2/54

All: 285.414+/-0.028 χ^2/NDF: 29785294.4/10



Right In: 44.981+/-25.394 χ^2/NDF: 23.5/24

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 12.895+/-26.350 χ^2/NDF: 45.2/29

Left In: 45.806+/-13.931 χ^2/NDF:30.7/22

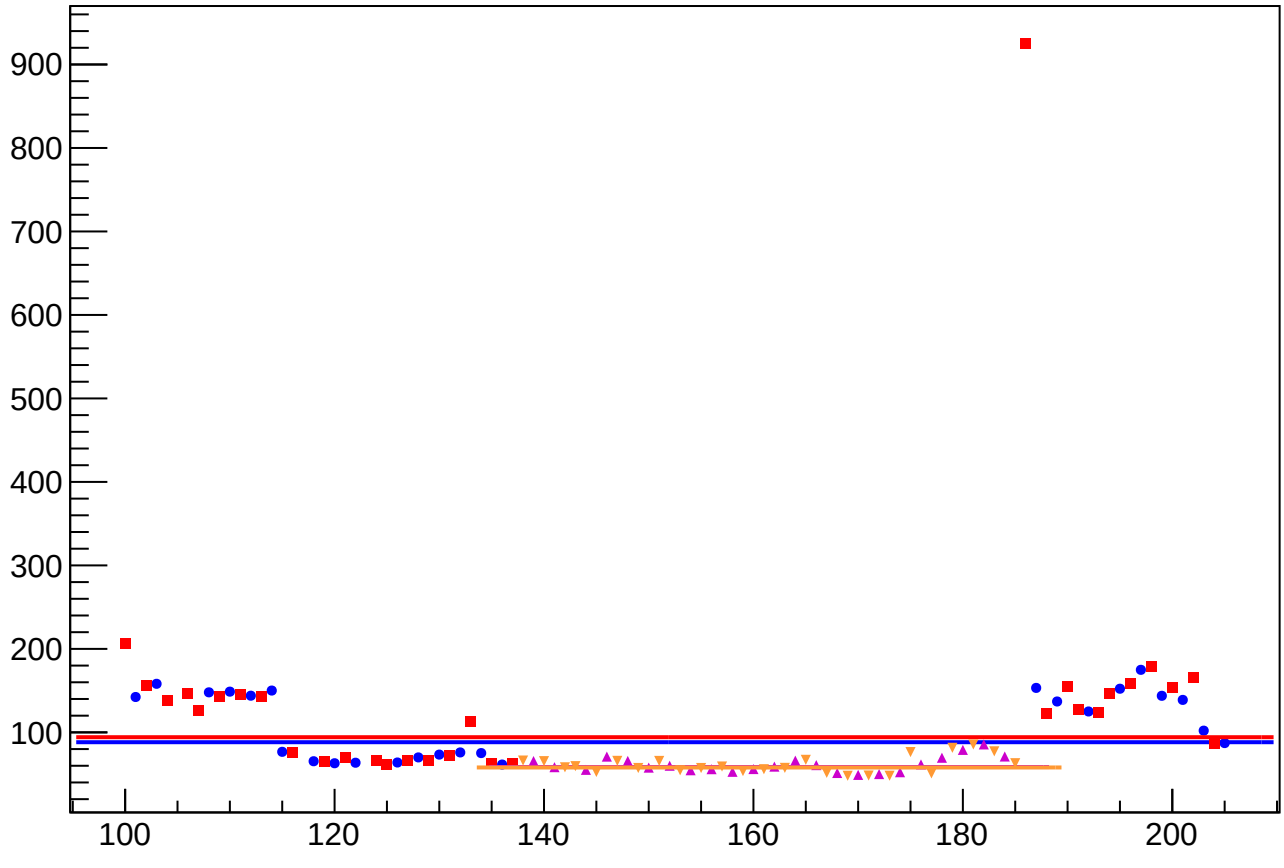
Left: 29.607+/-9.678 χ^2/NDF: 57.9/47

Right: 29.531+/-18.285 χ^2/NDF: 69.5/54

In: 45.615+/-12.214 χ^2/NDF:54.3/47

Out: 14.167+/-11.983 χ^2/NDF:69.8/54

All: 29.590+/-8.554 χ^2/NDF: 127.4/102



Right In: 88.217+/-0.018 χ^2/NDF: 3399421.1/24

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

Right Out: 94.204+/-0.019 χ^2/NDF: 4560078.3/29

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

Left: 58.213+/-0.007 χ^2/NDF: 1548274.7/47

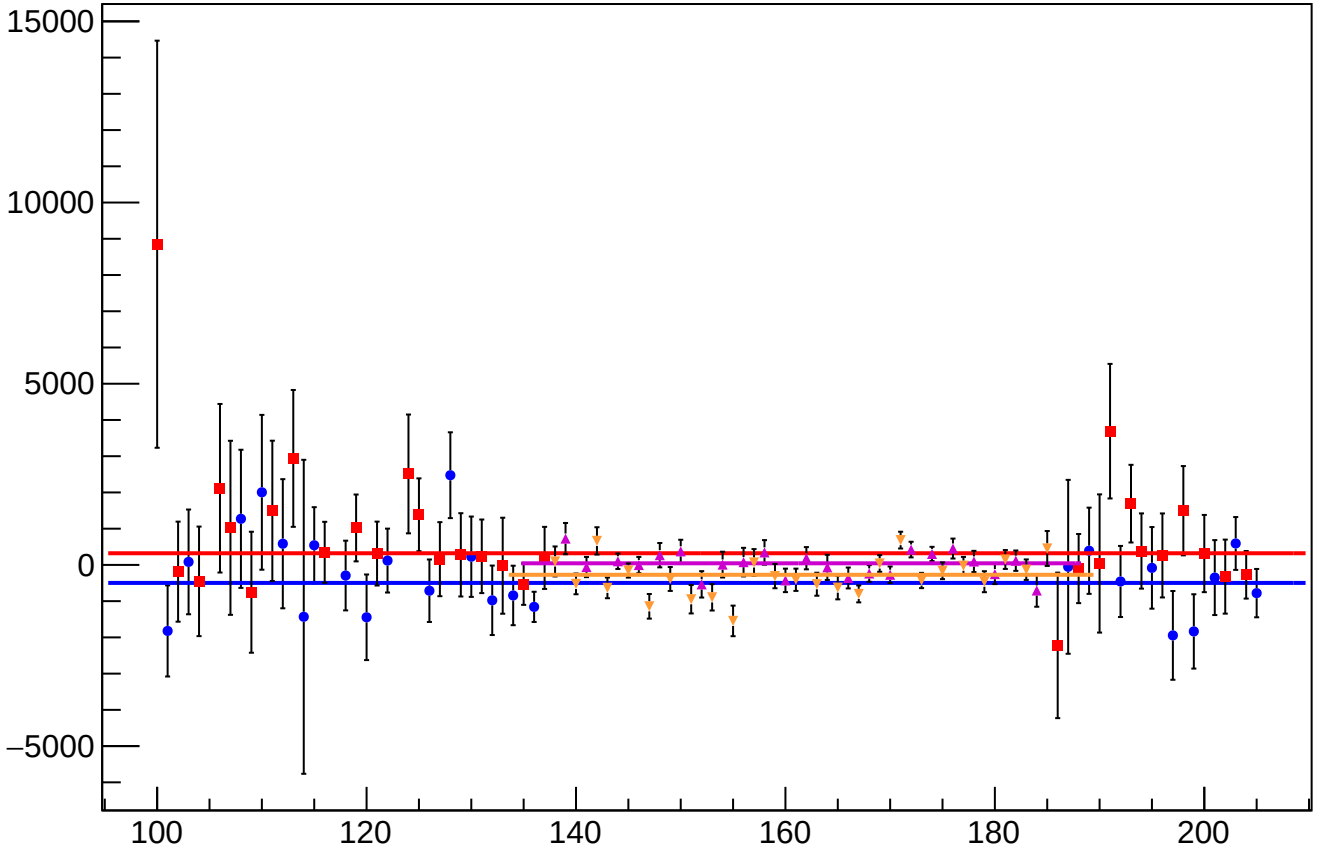
Right: 91.100+/-0.013 χ^2/NDF: 8013032.5/54

In: 65.359+/-0.009 χ^2/NDF:6157580.8/47

Out: 65.459+/-0.008 χ^2/NDF:8457589.6/54

All: 65.410+/-0.006 χ^2/NDF: 14615239.8/102

asym_sam_1526_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -496.772+/-194.042 χ^2/NDF: 22.1/24

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: 322.003+/-202.209 χ^2/NDF: 20.8/29

Left In: 44.553+/-58.614 χ^2/NDF:26.5/22

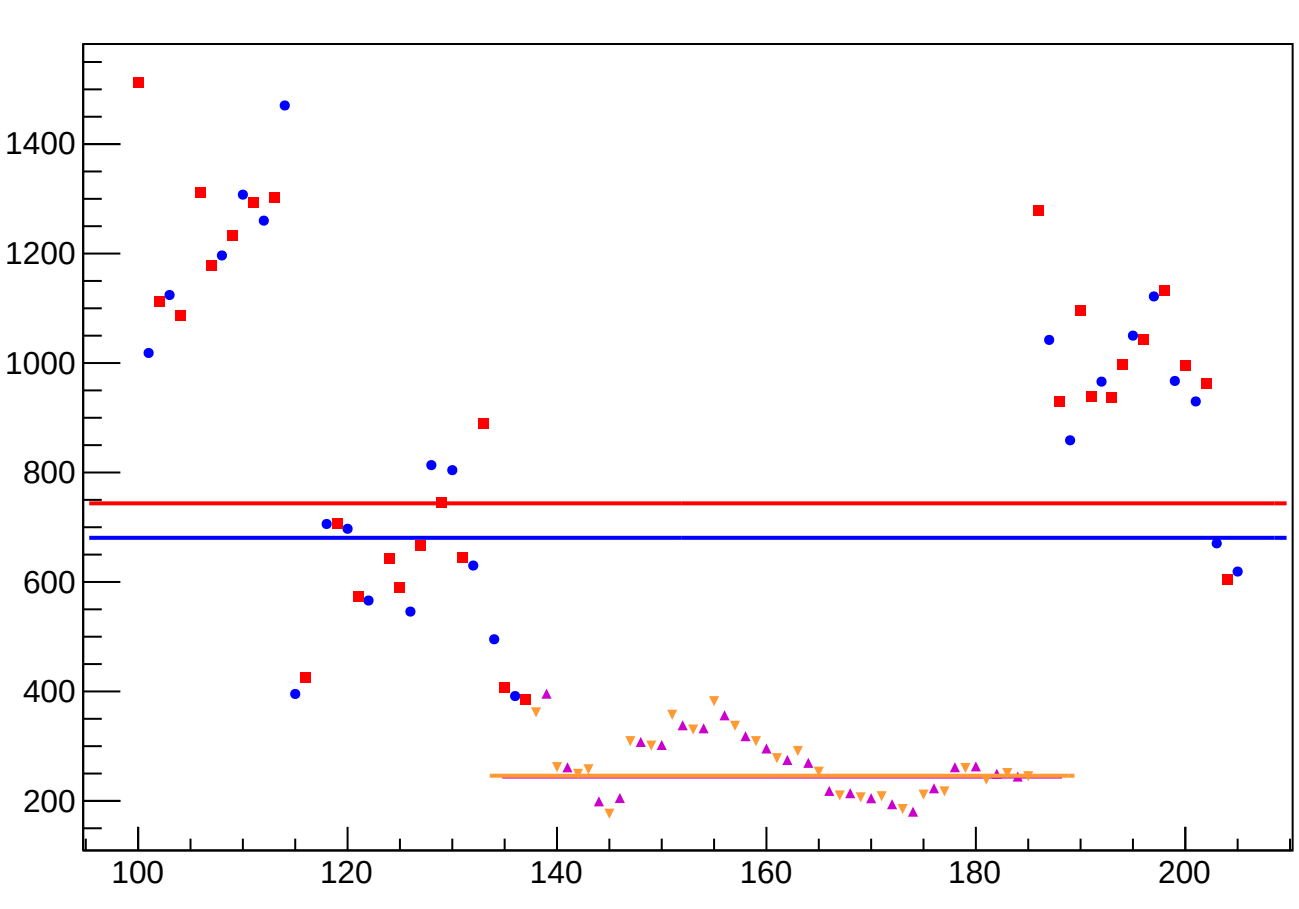
Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

Right: -104.252+/-140.007 χ^2/NDF: 51.4/54

In: -0.711+/-56.110 χ^2/NDF:55.7/47

Out: -228.360+/-55.106 χ^2/NDF:94.6/54

All: -116.590+/-39.316 χ^2/NDF: 158.6/102



Right In: 680.667+/-0.137 χ^2/NDF: 3306221.9/24

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 743.652+/-0.143 χ^2/NDF: 3613599.8/29

Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

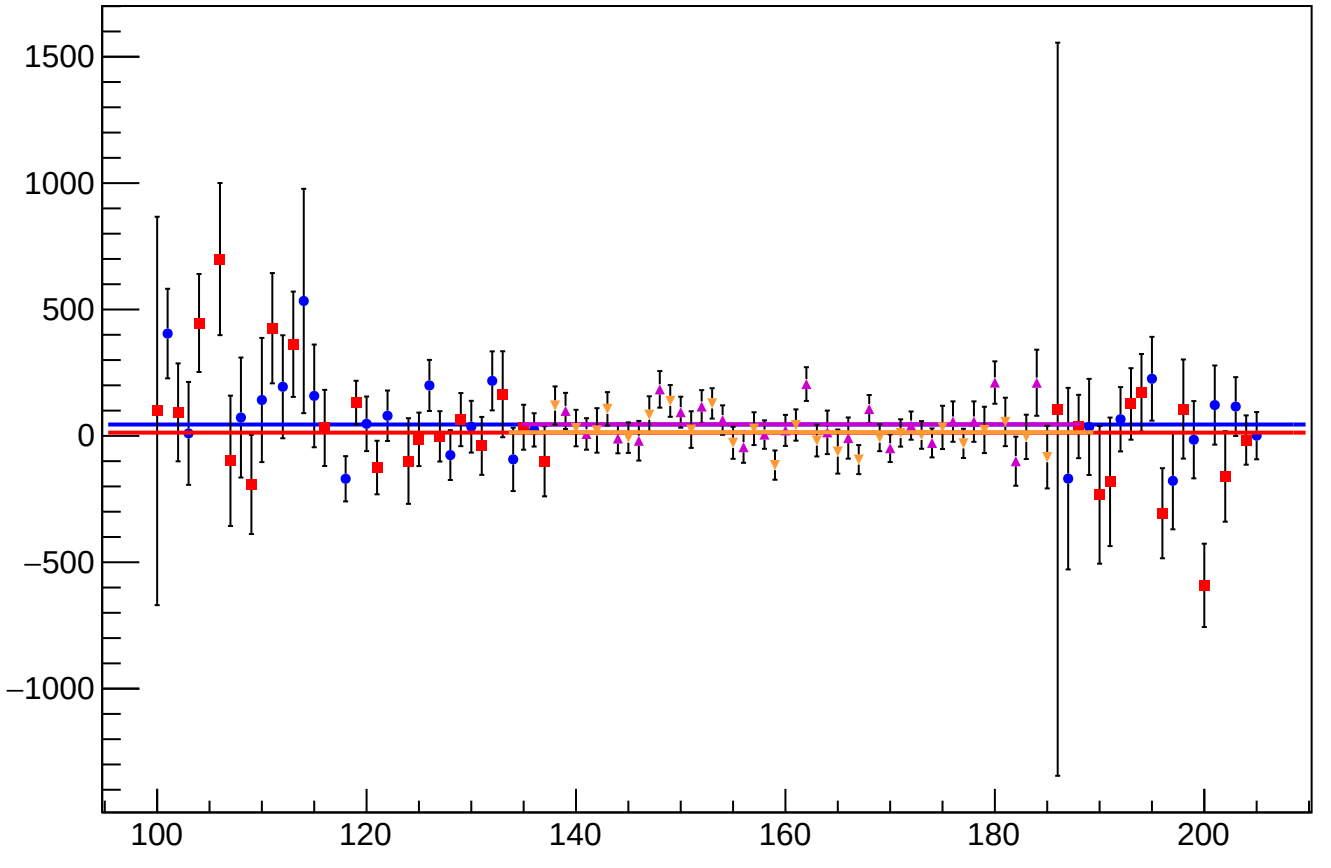
Left: 245.251+/-0.029 χ^2/NDF: 3278284.0/47

Right: 710.862+/-0.099 χ^2/NDF: 7020843.0/54

In: 280.925+/-0.040 χ^2/NDF:14165537.9/47

Out: 282.975+/-0.039 χ^2/NDF:16507574.0/54

All: 281.968+/-0.028 χ^2/NDF: 30674470.9/10



Right In: 44.982+/-25.394 χ^2/NDF: 23.5/24

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: 12.895+/-26.350 χ^2/NDF: 45.2/29

Left In: 45.805+/-13.931 χ^2/NDF:30.7/22

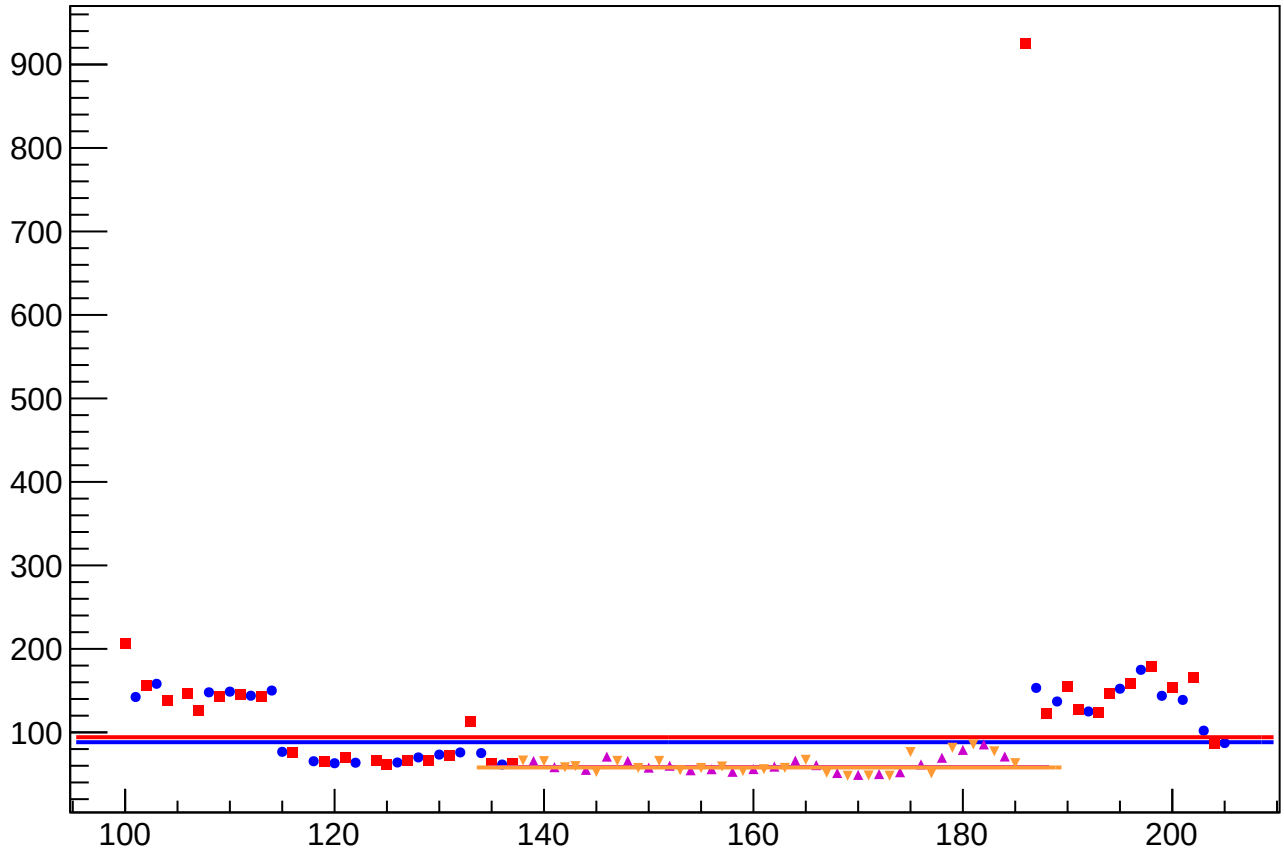
Left: 29.606+/-9.678 χ^2/NDF: 57.9/47

Right: 29.531+/-18.285 χ^2/NDF: 69.5/54

In: 45.615+/-12.214 χ^2/NDF:54.3/47

Out: 14.166+/-11.983 χ^2/NDF:69.8/54

All: 29.590+/-8.554 χ^2/NDF: 127.4/102



Right In: 88.217+/-0.018 χ^2/NDF: 3399423.6/24

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

Right Out: 94.204+/-0.019 χ^2/NDF: 4560092.7/29

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

Left: 58.213+/-0.007 χ^2/NDF: 1548272.0/47

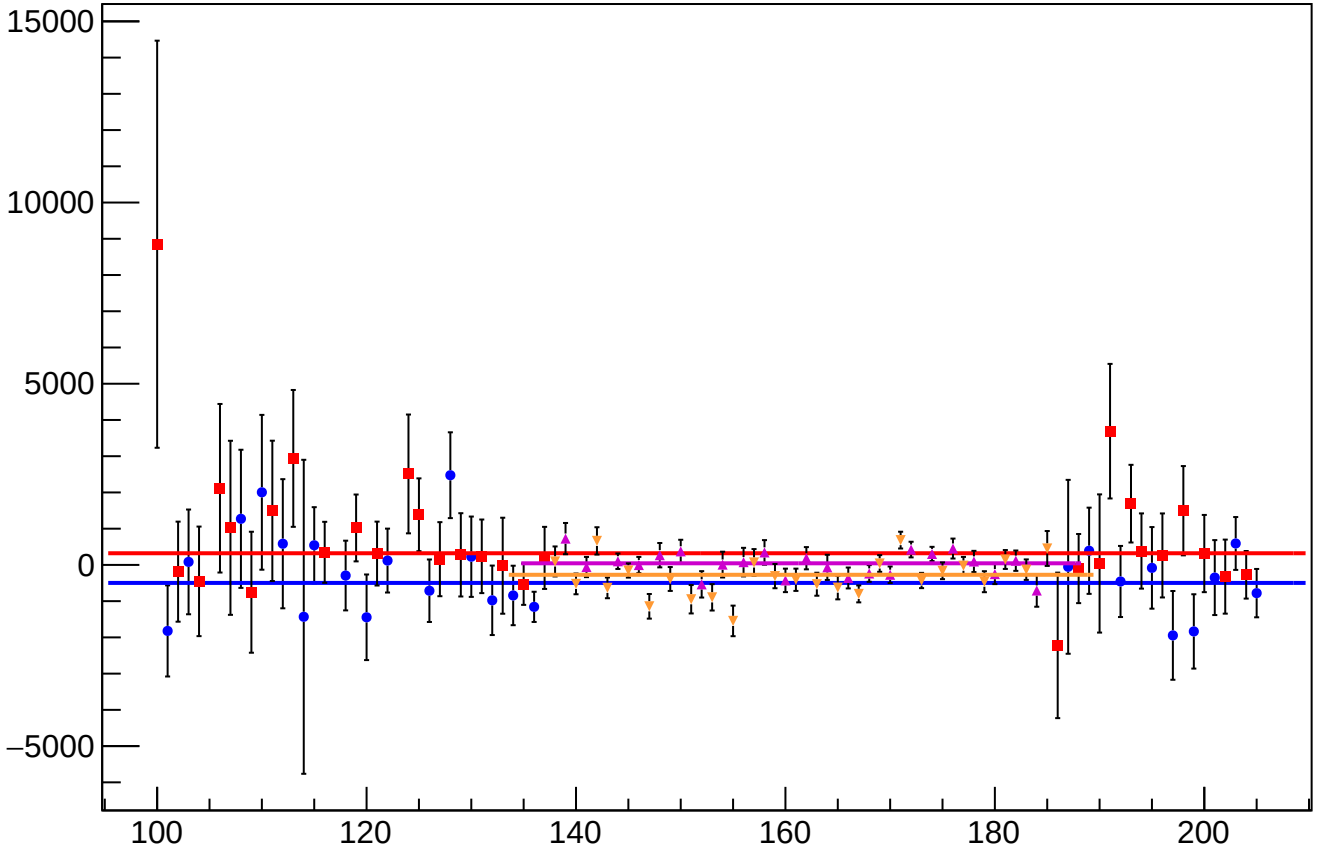
Right: 91.100+/-0.013 χ^2/NDF: 8013050.1/54

In: 65.359+/-0.009 χ^2/NDF:6157515.4/47

Out: 65.459+/-0.008 χ^2/NDF:8457556.9/54

All: 65.410+/-0.006 χ^2/NDF: 14615141.6/102

asym_sam_1526_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -496.770+/-194.042 χ^2/NDF: 22.1/24

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

Right Out: 322.004+/-202.209 χ^2/NDF: 20.8/29

Left In: 44.552+/-58.614 χ^2/NDF:26.5/22

Left: -117.646+/-40.964 χ^2/NDF: 107.2/47

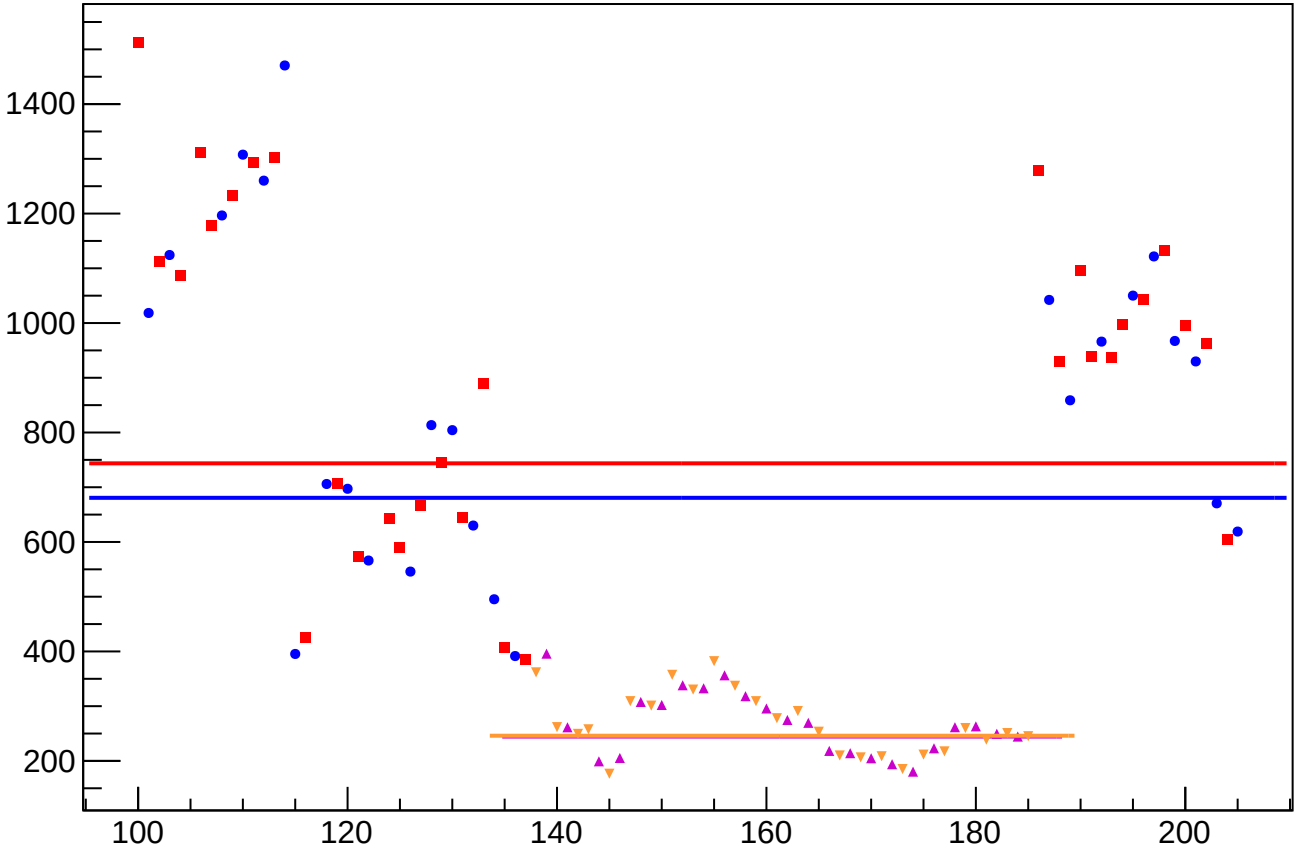
Right: -104.251+/-140.006 χ^2/NDF: 51.4/54

In: -0.711+/-56.110 χ^2/NDF:55.7/47

Out: -228.359+/-55.106 χ^2/NDF:94.6/54

All: -116.590+/-39.316 χ^2/NDF: 158.6/102

asym_sam_1526_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 680.666+/-0.137 χ^2/NDF: 3306205.0/24

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 743.652+/-0.143 χ^2/NDF: 3613580.7/29

Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

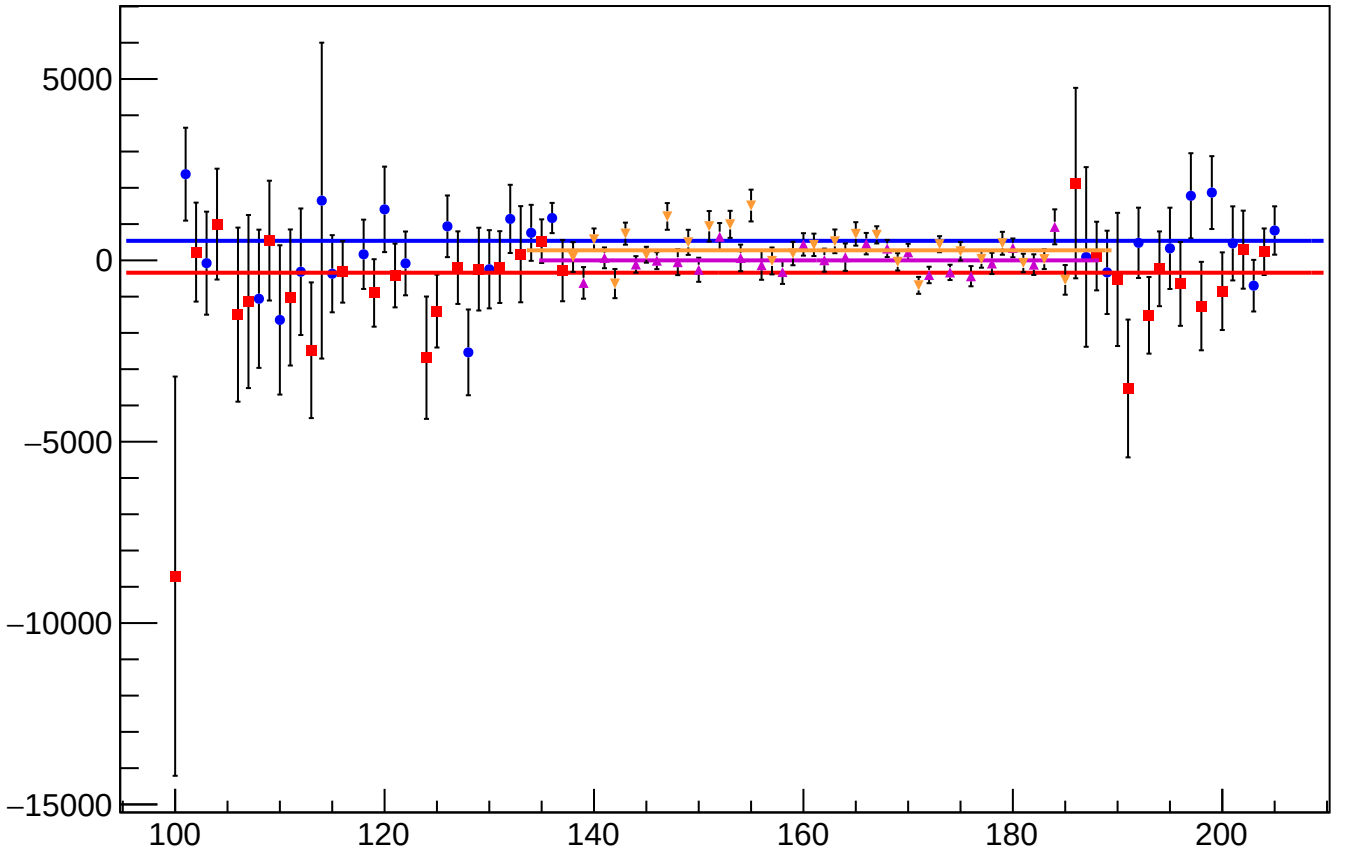
Left: 245.251+/-0.029 χ^2/NDF: 3278274.7/47

Right: 710.861+/-0.099 χ^2/NDF: 7020807.0/54

In: 280.925+/-0.040 χ^2/NDF:14165524.1/47

Out: 282.974+/-0.039 χ^2/NDF:16507580.1/54

All: 281.968+/-0.028 χ^2/NDF: 30674462.9/10



Right In: 538.632+/-191.742 χ^2/NDF: 23.3/24

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: -340.802+/-203.057 χ^2/NDF: 18.3/29

Left In: -0.556+/-60.356 χ^2/NDF:28.1/22

Left: 141.066+/-42.245 χ^2/NDF: 103.0/47

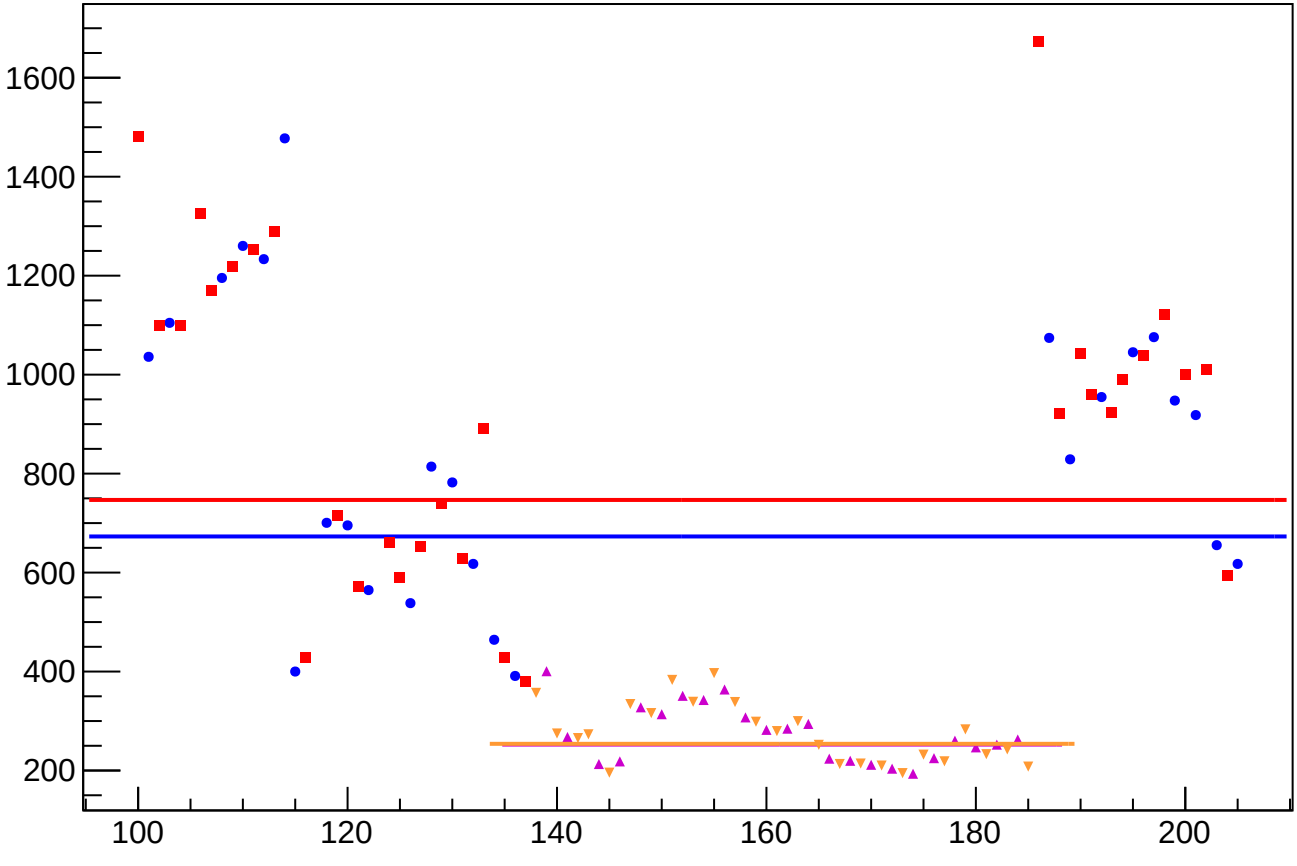
Right: 124.099+/-139.411 χ^2/NDF: 51.5/54

In: 48.053+/-57.571 χ^2/NDF:58.6/47

Out: 228.750+/-56.788 χ^2/NDF:90.9/54

All: 139.639+/-40.429 χ^2/NDF: 154.5/102

asym_sam_1526_avg_rms vs Slug, Sign Corrected



Right In: 672.991+/-0.136 χ^2/NDF: 3259499.2/24

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

Right Out: 746.777+/-0.144 χ^2/NDF: 3579514.6/29

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

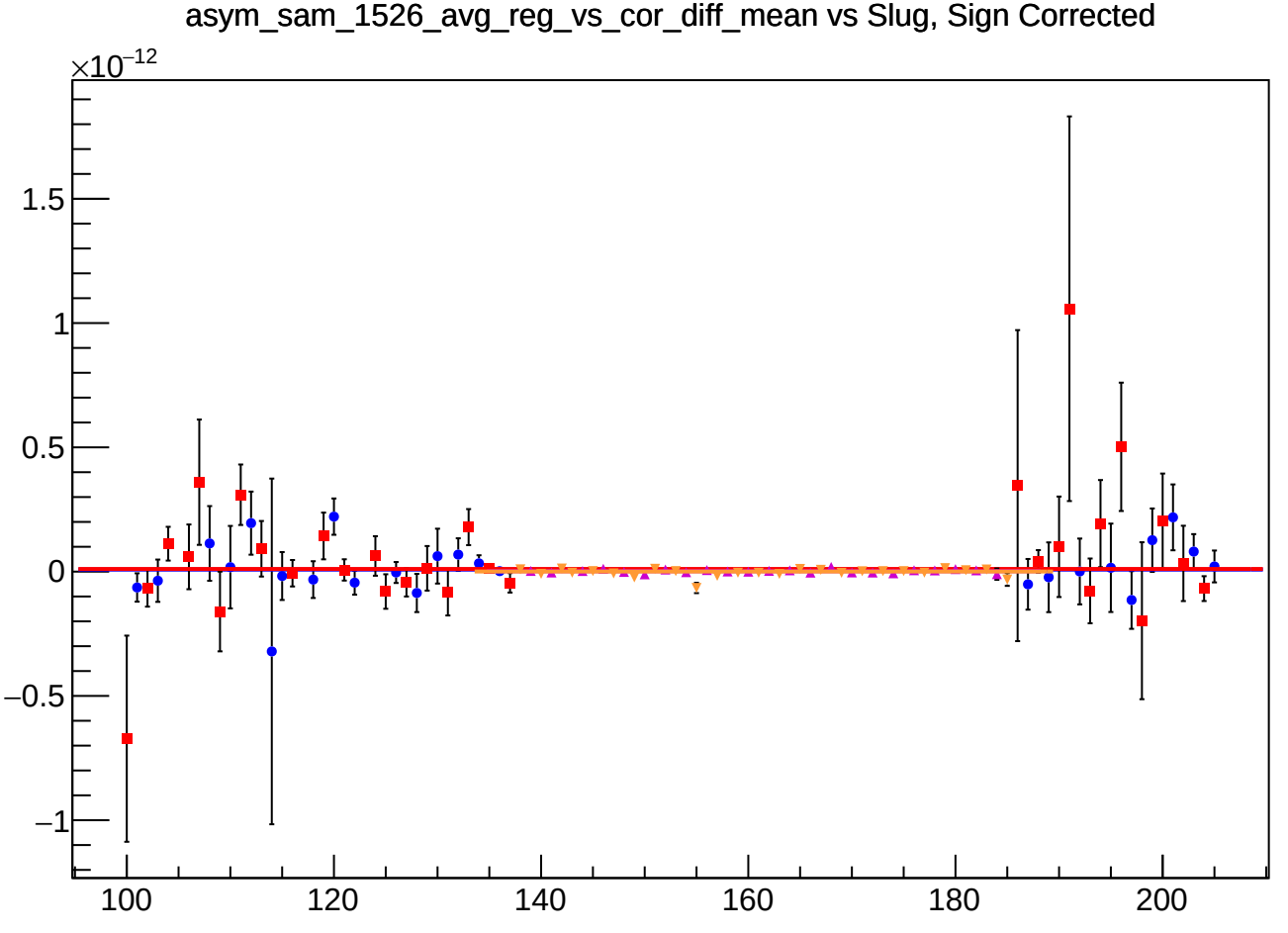
Left: 253.187+/-0.030 χ^2/NDF: 3003615.8/47

Right: 707.771+/-0.099 χ^2/NDF: 6978619.3/54

In: 290.308+/-0.041 χ^2/NDF:13427633.2/47

Out: 292.499+/-0.040 χ^2/NDF:16029720.4/54

All: 291.419+/-0.029 χ^2/NDF: 29458821.4/10



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 41.4/29

Left In: 0.000+/-0.000 χ^2/NDF:14.0/22

Left: 0.000+/-0.000 χ^2/NDF: 41.0/47

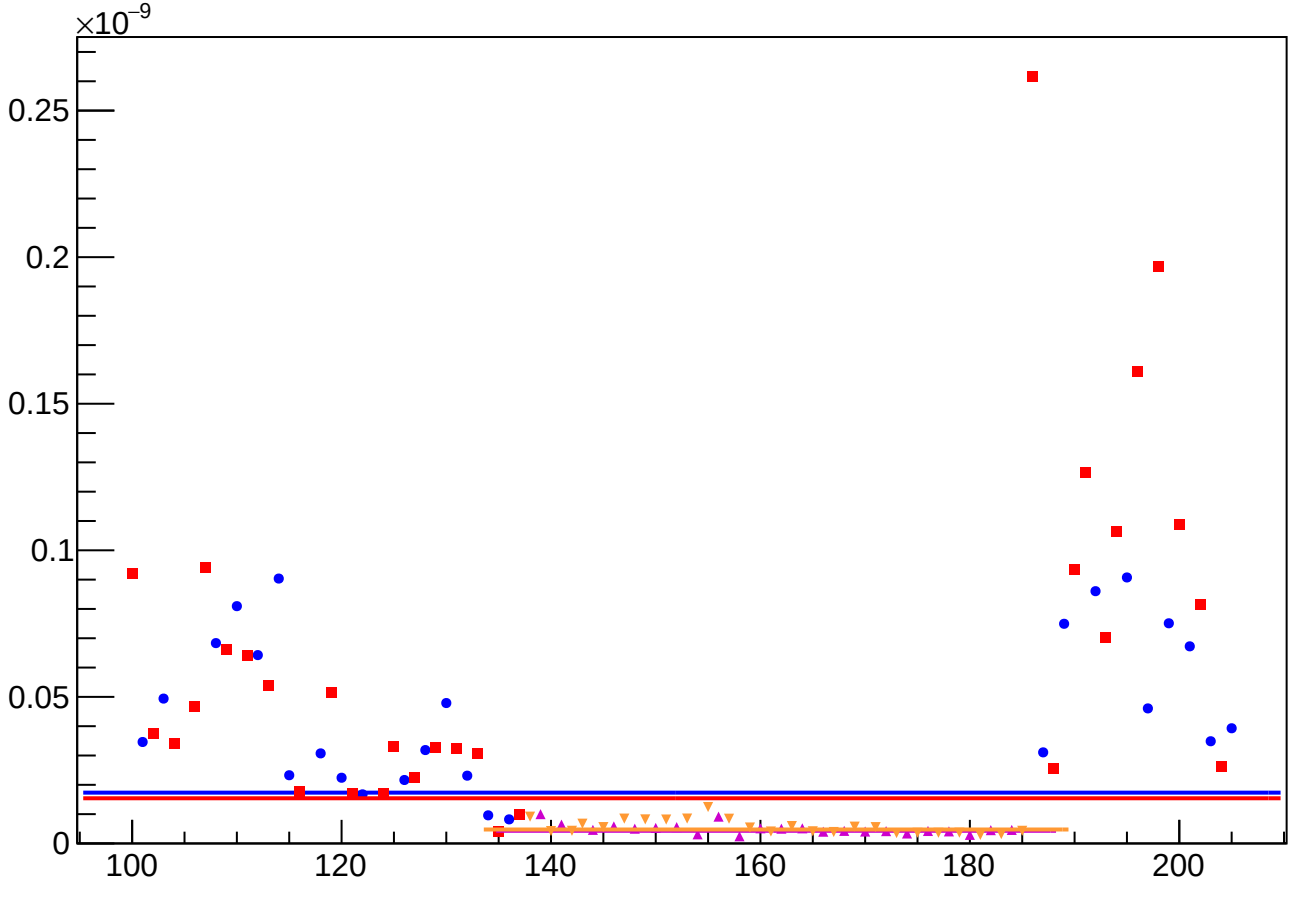
Right: 0.000+/-0.000 χ^2/NDF: 65.7/54

In: 0.000+/-0.000 χ^2/NDF:38.6/47

Out: 0.000+/-0.000 χ^2/NDF:69.3/54

All: 0.000+/-0.000 χ^2/NDF: 108.0/102

asym_sam_1526_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5096057.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7530668.5/29

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

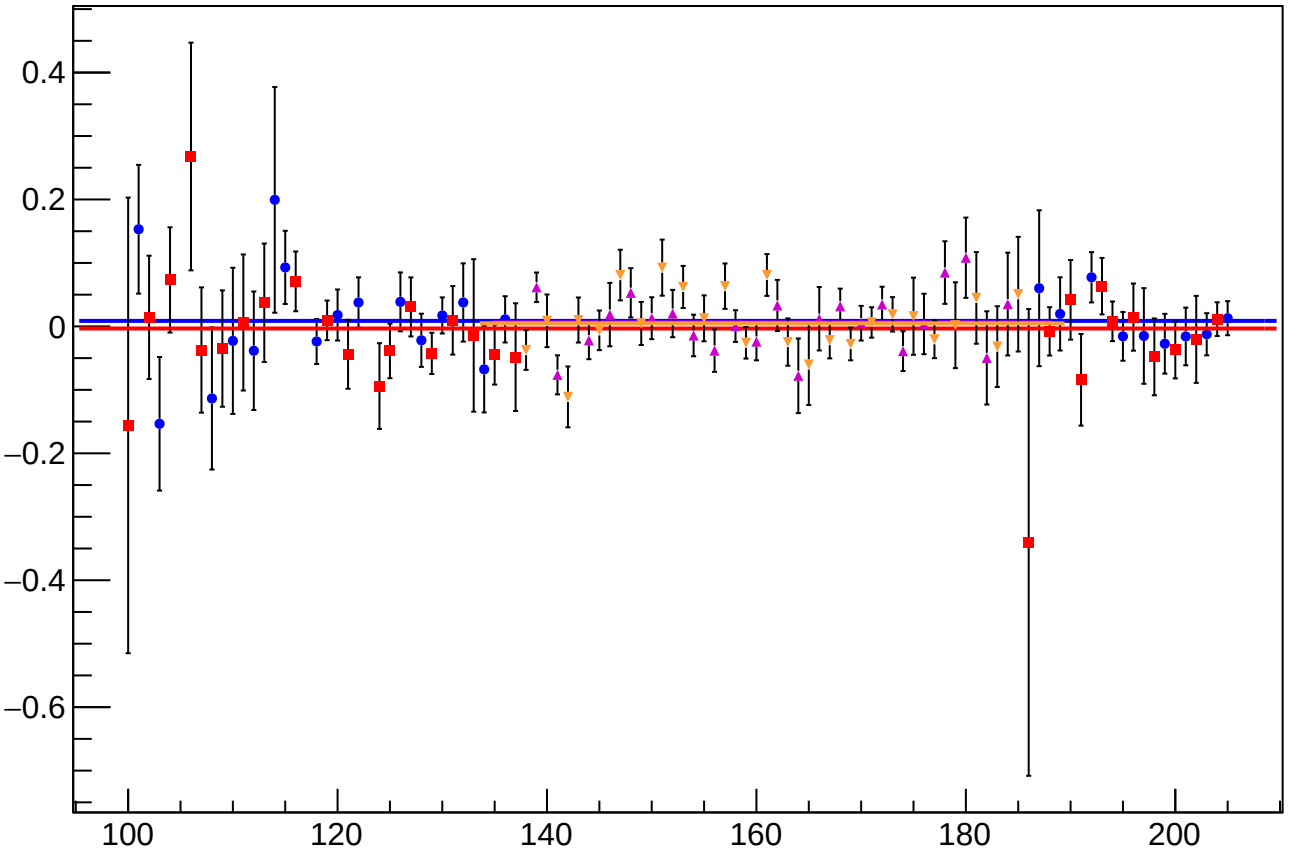
Left: 0.000+/-0.000 χ^2/NDF: 2651852.5/47

Right: 0.000+/-0.000 χ^2/NDF: 12663737.4/54

In: 0.000+/-0.000 χ^2/NDF:9323141.0/47

Out: 0.000+/-0.000 χ^2/NDF:11353040.2/54

All: 0.000+/-0.000 χ^2/NDF: 20719689.6/102



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

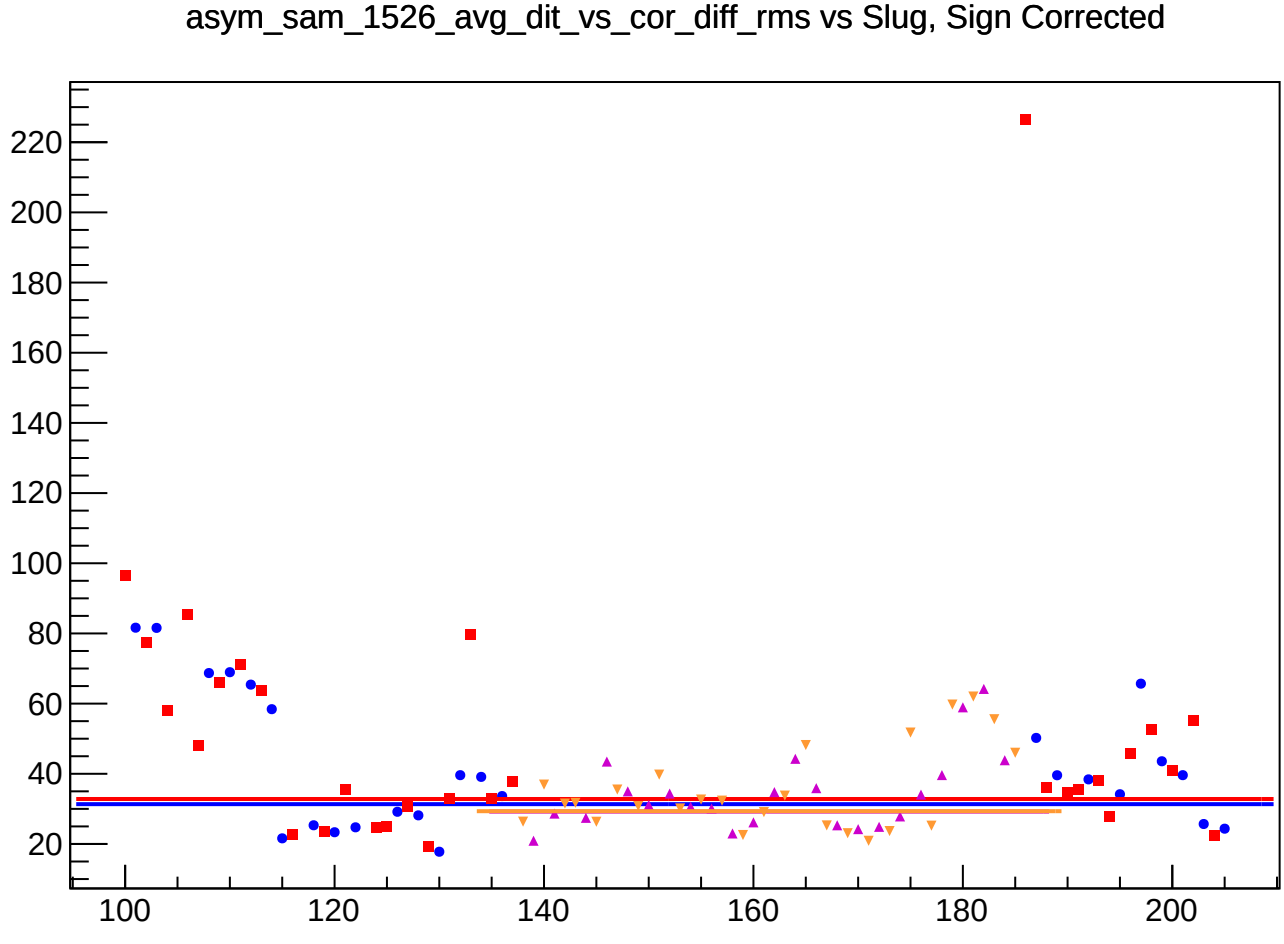
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.003+/-0.007 χ^2/NDF: 38.2/54

In: 0.007+/-0.006 χ^2/NDF:49.2/47

Out: 0.002+/-0.006 χ^2/NDF:53.6/54

All: 0.005+/-0.004 χ^2/NDF: 103.3/102



Right In: 31.346+/-0.007 χ^2/NDF: 3457697.0/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.817+/-0.007 χ^2/NDF: 4245308.6/29

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

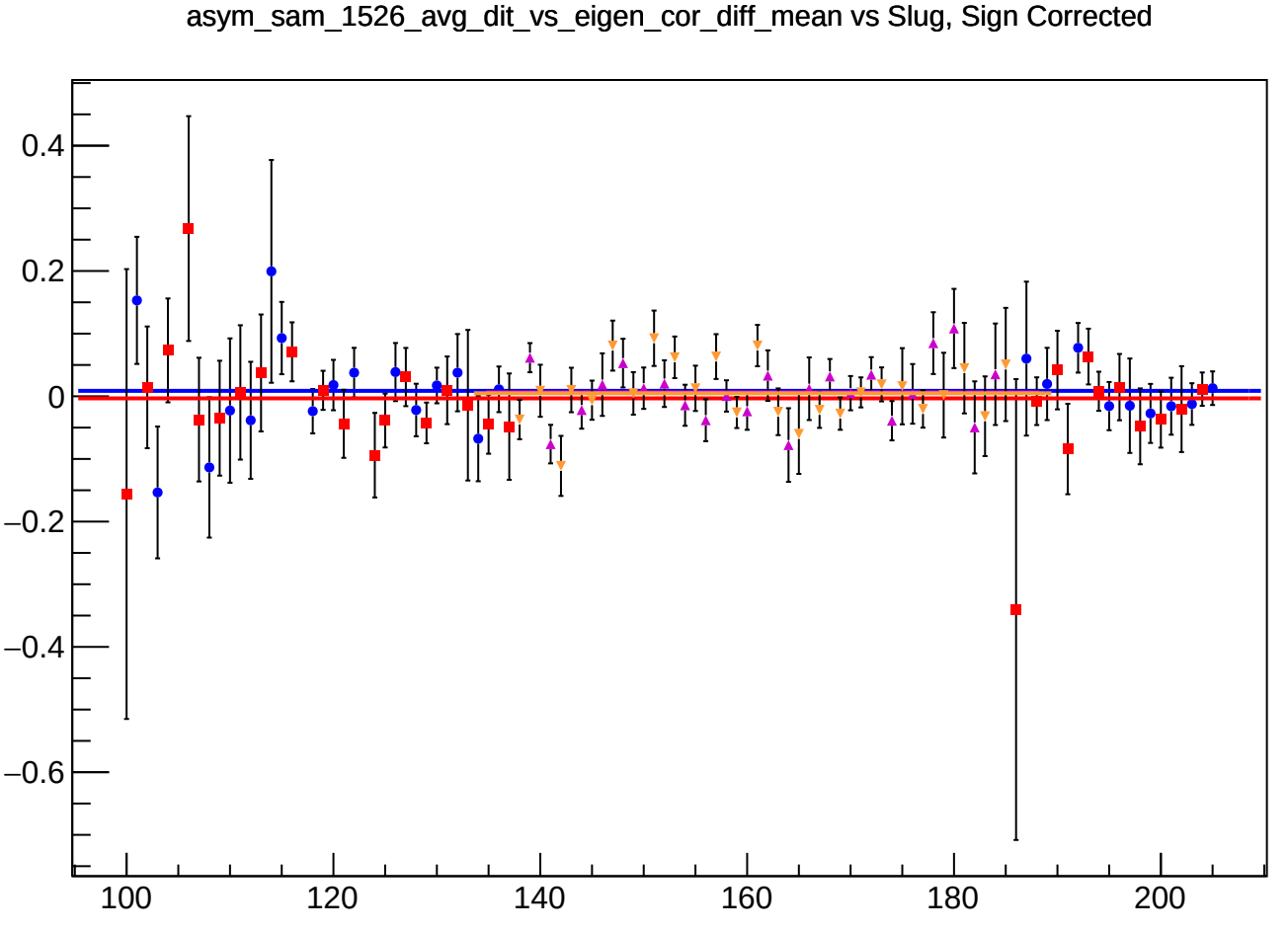
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 32.072+/-0.005 χ^2/NDF: 7727401.7/54

In: 30.023+/-0.004 χ^2/NDF:5619419.4/47

Out: 30.589+/-0.004 χ^2/NDF:7104982.3/54

All: 30.309+/-0.003 χ^2/NDF: 12734231.4/102



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

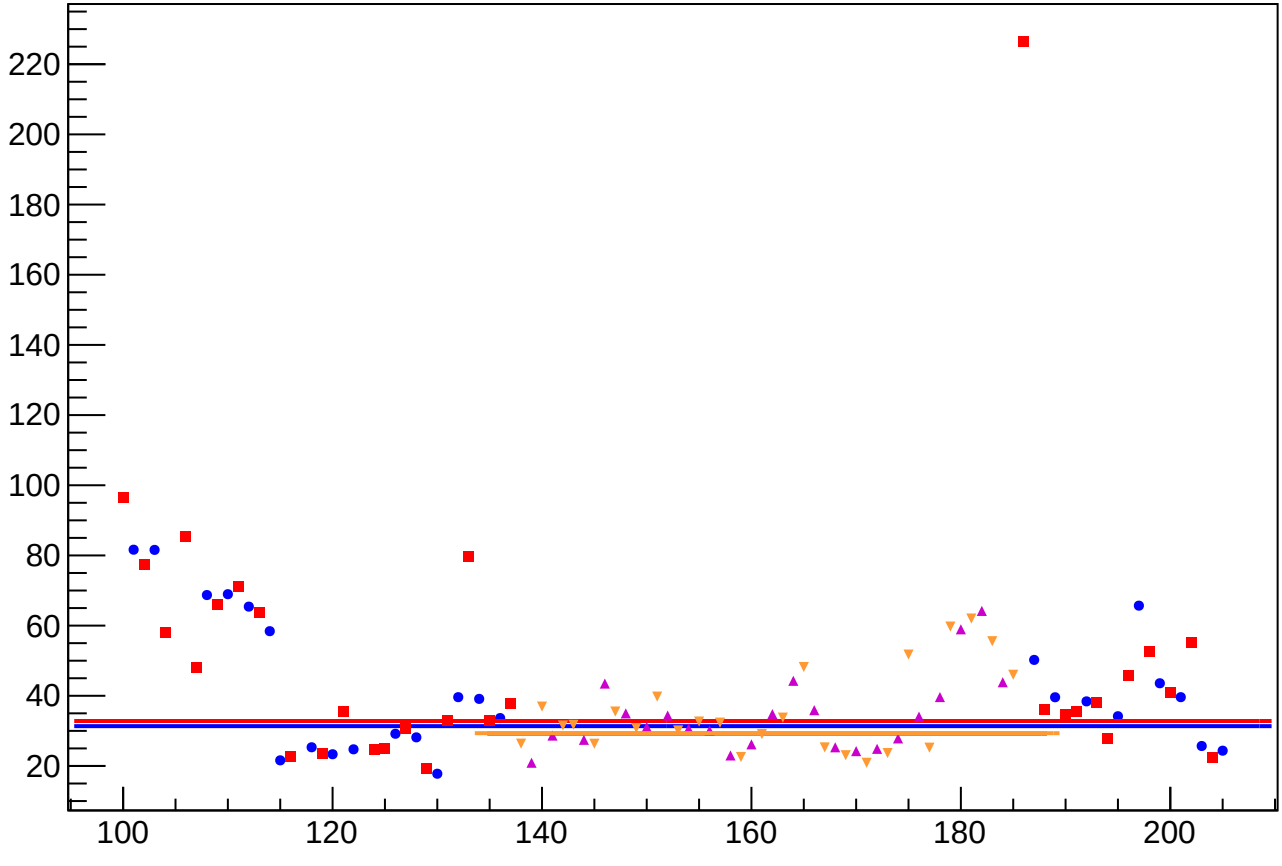
Right: 0.003+/-0.007 χ^2/NDF: 38.2/54

In: 0.007+/-0.006 χ^2/NDF:49.2/47

Out: 0.002+/-0.006 χ^2/NDF:53.6/54

All: 0.005+/-0.004 χ^2/NDF: 103.3/102

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.346+/-0.007 χ^2/NDF: 3457697.0/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

Right Out: 32.817+/-0.007 χ^2/NDF: 4245308.6/29

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

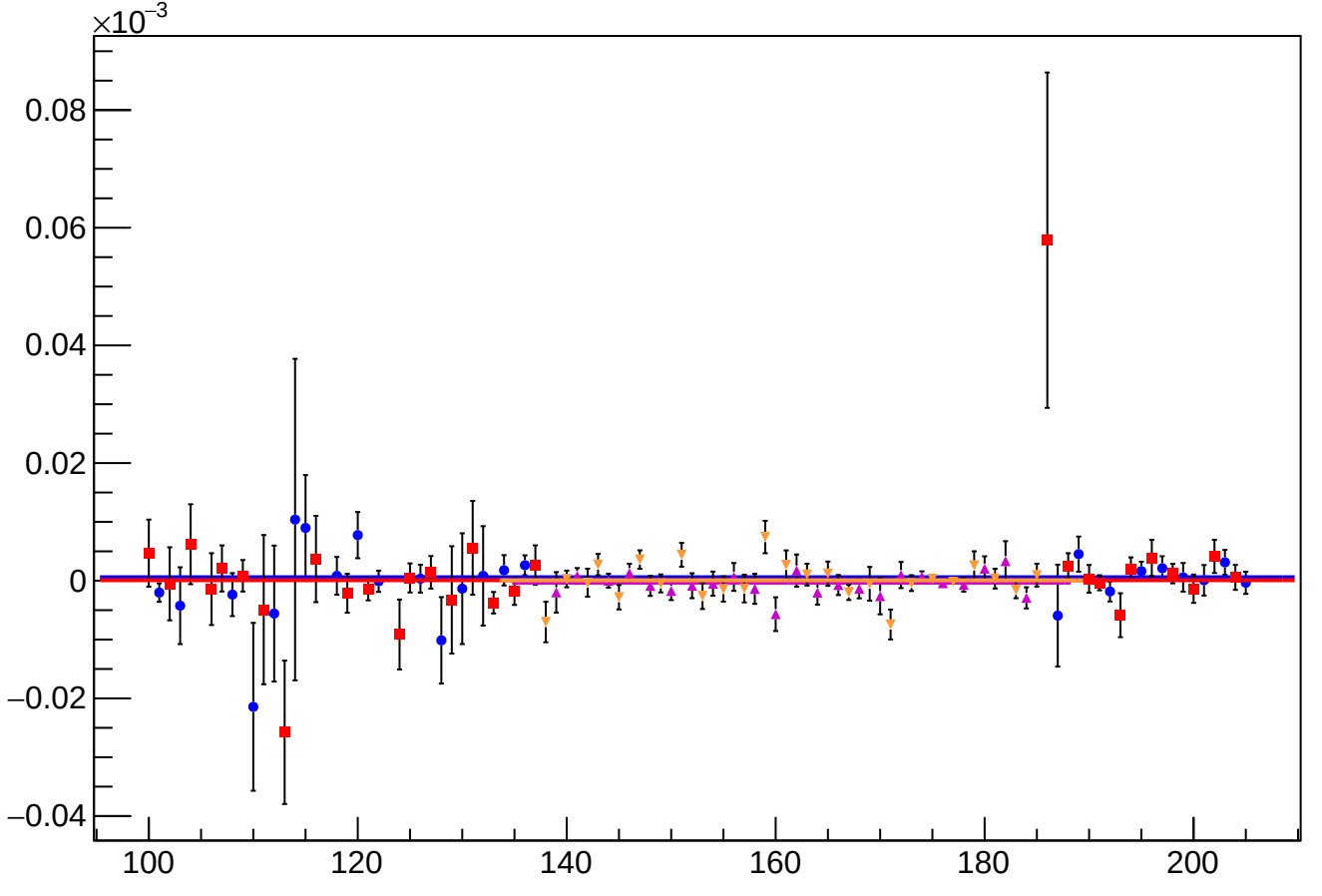
Left: 29.283+/-0.004 χ^2/NDF: 4785056.4/47

Right: 32.072+/-0.005 χ^2/NDF: 7727401.7/54

In: 30.023+/-0.004 χ^2/NDF:5619419.4/47

Out: 30.589+/-0.004 χ^2/NDF:7104982.3/54

All: 30.309+/-0.003 χ^2/NDF: 12734231.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.5/29

Left In: -0.000+/-0.000 χ^2/NDF:15.5/22

Left: -0.000+/-0.000 χ^2/NDF: 60.1/47

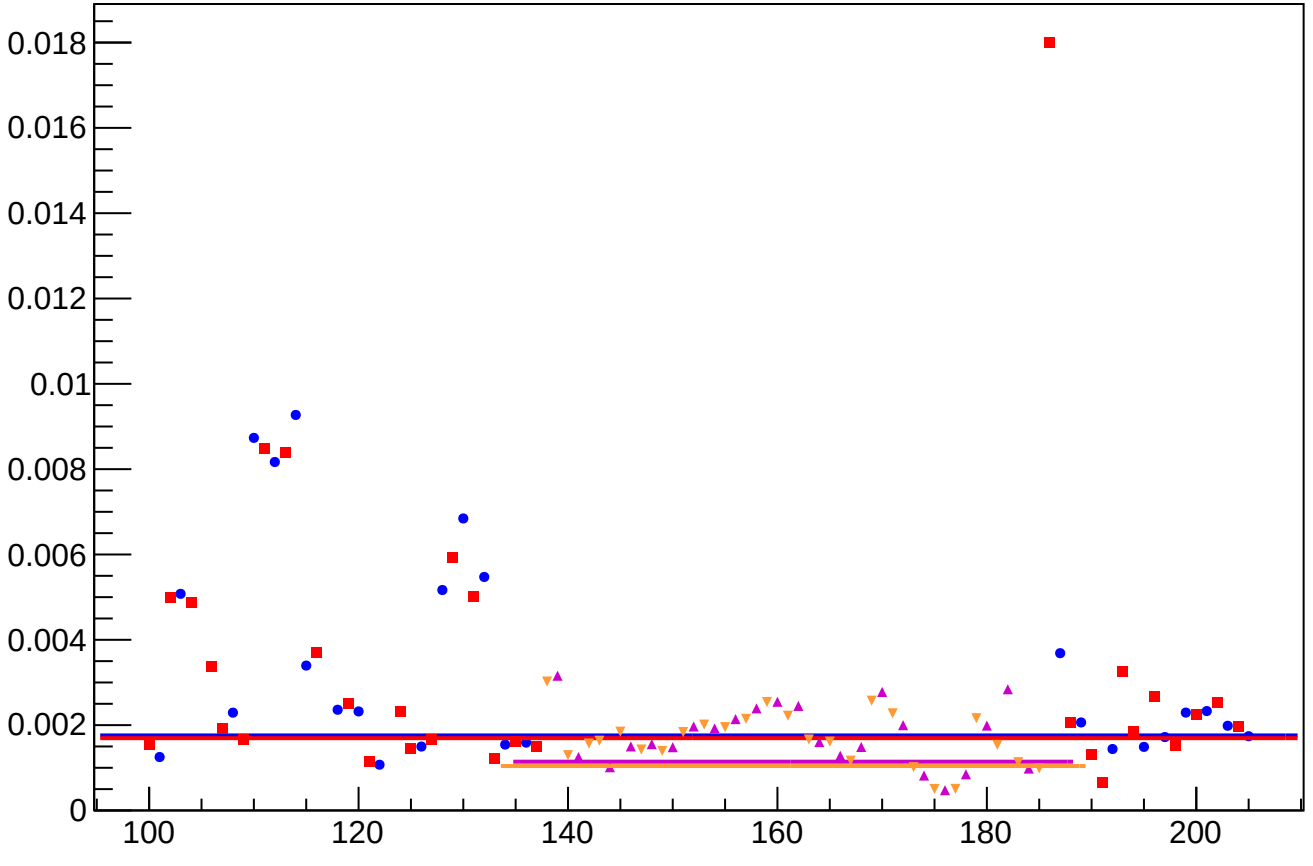
Right: 0.000+/-0.000 χ^2/NDF: 52.9/54

In: -0.000+/-0.000 χ^2/NDF:39.7/47

Out: 0.000+/-0.000 χ^2/NDF:74.2/54

All: 0.000+/-0.000 χ^2/NDF: 114.1/102

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 4400111.7/24

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6769413.3/29

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

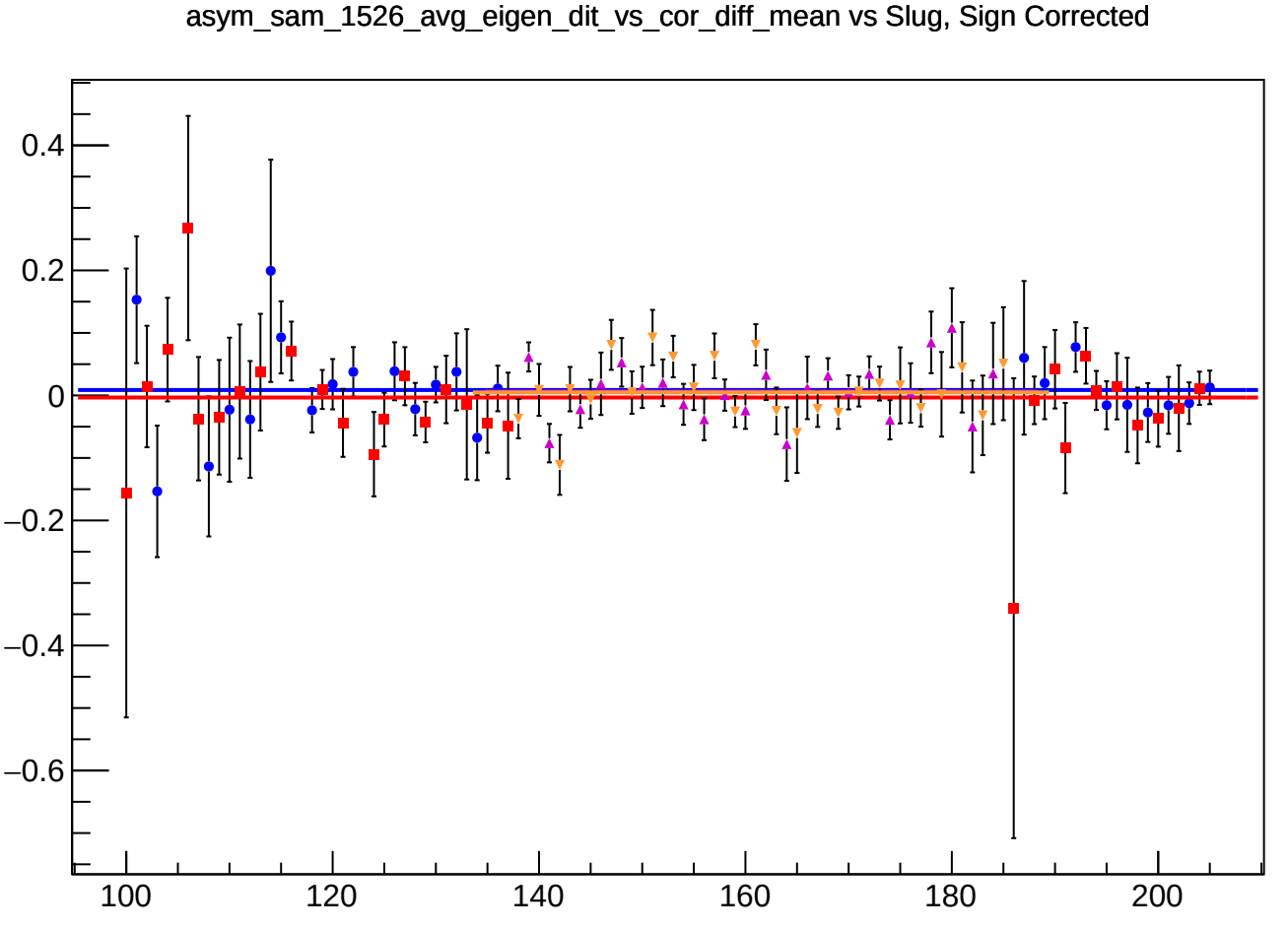
Left: 0.001+/-0.000 χ^2/NDF: 18236927.4/47

Right: 0.002+/-0.000 χ^2/NDF: 11185296.8/54

In: 0.001+/-0.000 χ^2/NDF:14734831.3/47

Out: 0.001+/-0.000 χ^2/NDF:19196248.3/54

All: 0.001+/-0.000 χ^2/NDF: 34107647.3/102



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

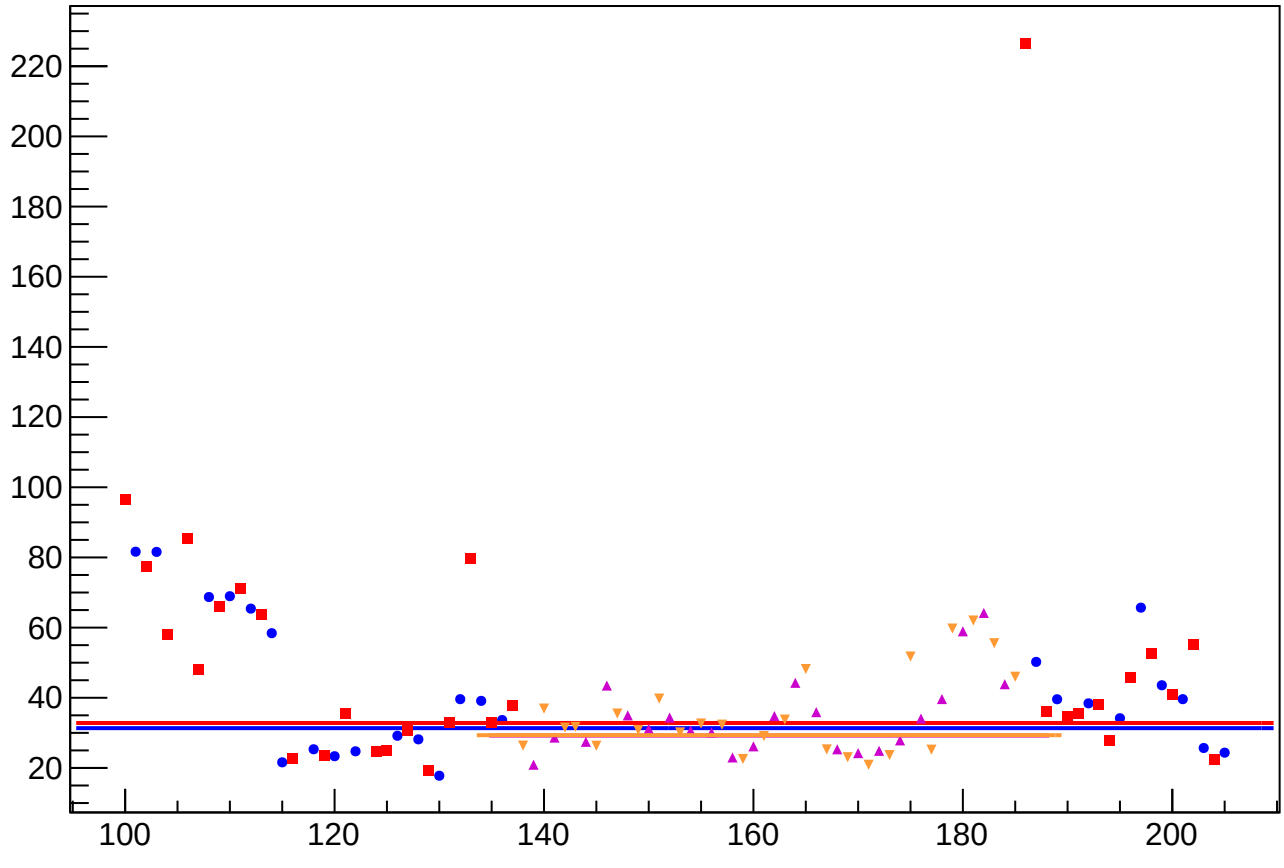
Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

Right: 0.003+/-0.007 χ^2/NDF: 38.2/54

In: 0.007+/-0.006 χ^2/NDF:49.2/47

Out: 0.002+/-0.006 χ^2/NDF:53.6/54

All: 0.005+/-0.004 χ^2/NDF: 103.3/102



Right In: 31.345+/-0.007 χ^2/NDF: 3457971.6/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.816+/-0.007 χ^2/NDF: 4245514.0/29

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

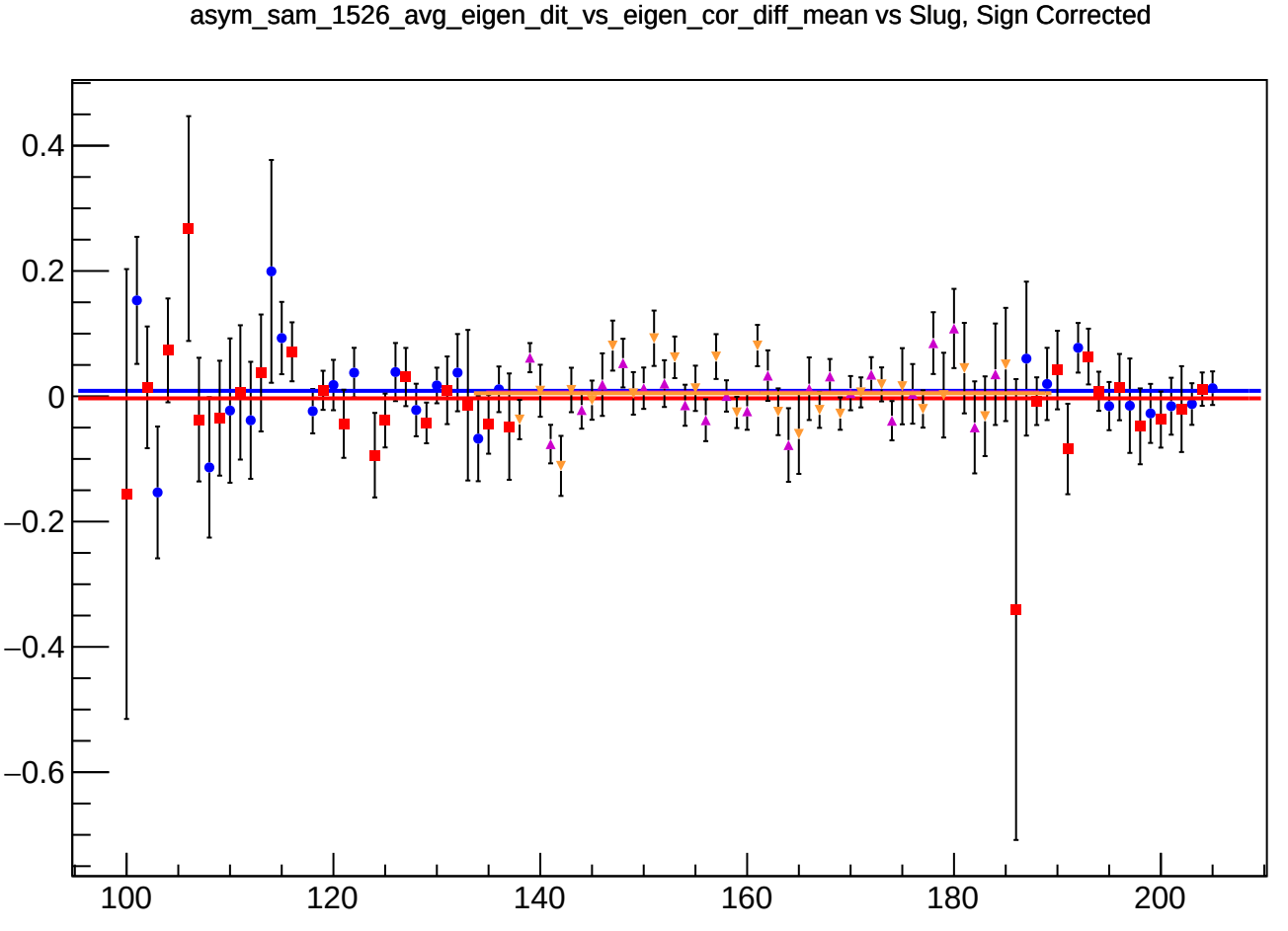
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 32.071+/-0.005 χ^2/NDF: 7727888.4/54

In: 30.023+/-0.004 χ^2/NDF:5619585.6/47

Out: 30.589+/-0.004 χ^2/NDF:7105150.3/54

All: 30.309+/-0.003 χ^2/NDF: 12734563.6/102



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.003+/-0.009 χ^2/NDF: 19.2/29

Left In: 0.006+/-0.007 χ^2/NDF:31.0/22

Left: 0.006+/-0.005 χ^2/NDF: 65.0/47

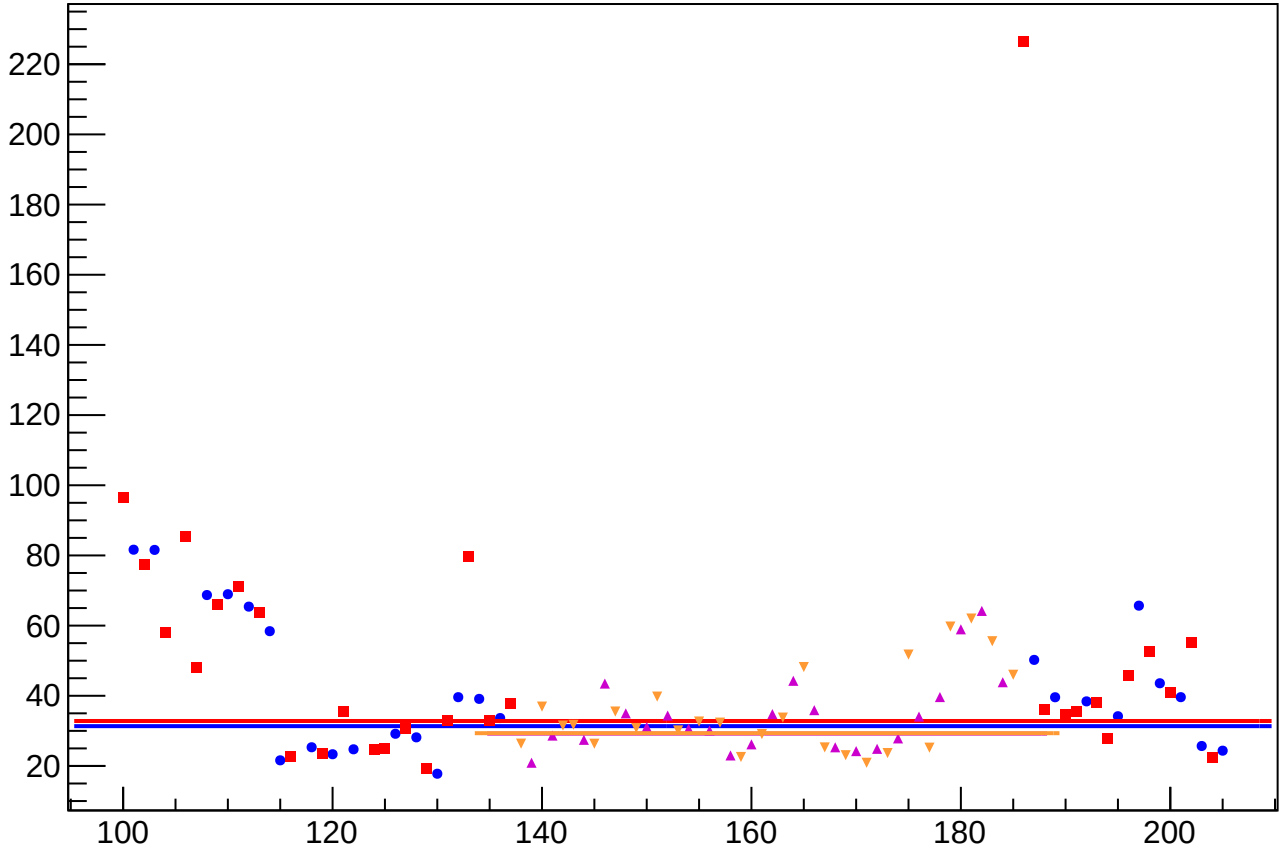
Right: 0.003+/-0.007 χ^2/NDF: 38.2/54

In: 0.007+/-0.006 χ^2/NDF:49.2/47

Out: 0.002+/-0.006 χ^2/NDF:53.6/54

All: 0.005+/-0.004 χ^2/NDF: 103.3/102

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 31.345+/-0.007 χ^2/NDF: 3457971.6/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

Right Out: 32.816+/-0.007 χ^2/NDF: 4245514.0/29

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

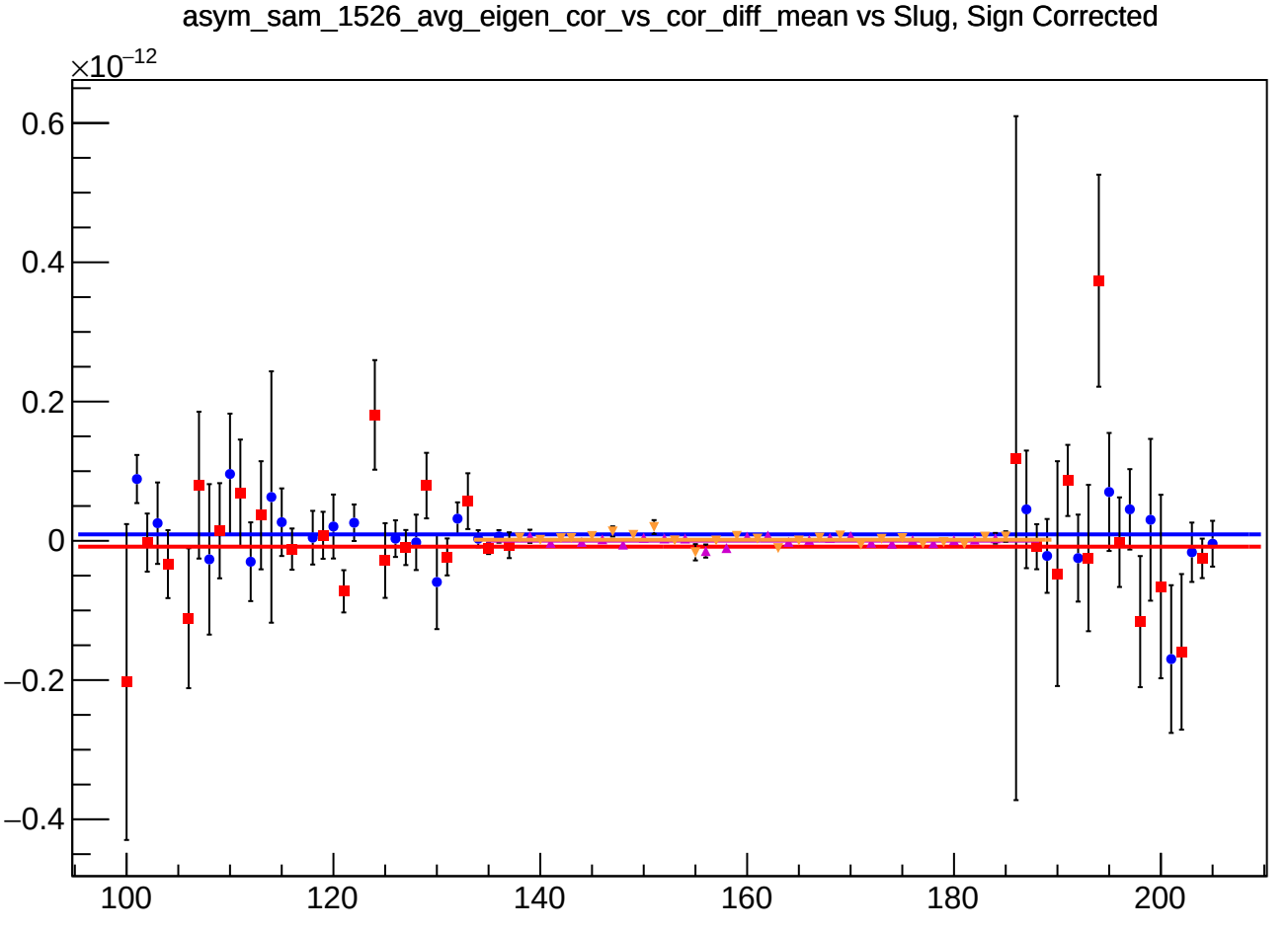
Left: 29.283+/-0.004 χ^2/NDF: 4785060.1/47

Right: 32.071+/-0.005 χ^2/NDF: 7727888.4/54

In: 30.023+/-0.004 χ^2/NDF:5619585.6/47

Out: 30.589+/-0.004 χ^2/NDF:7105150.3/54

All: 30.309+/-0.003 χ^2/NDF: 12734563.6/102



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.0/29

Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

Left: 0.000+/-0.000 χ^2/NDF: 54.6/47

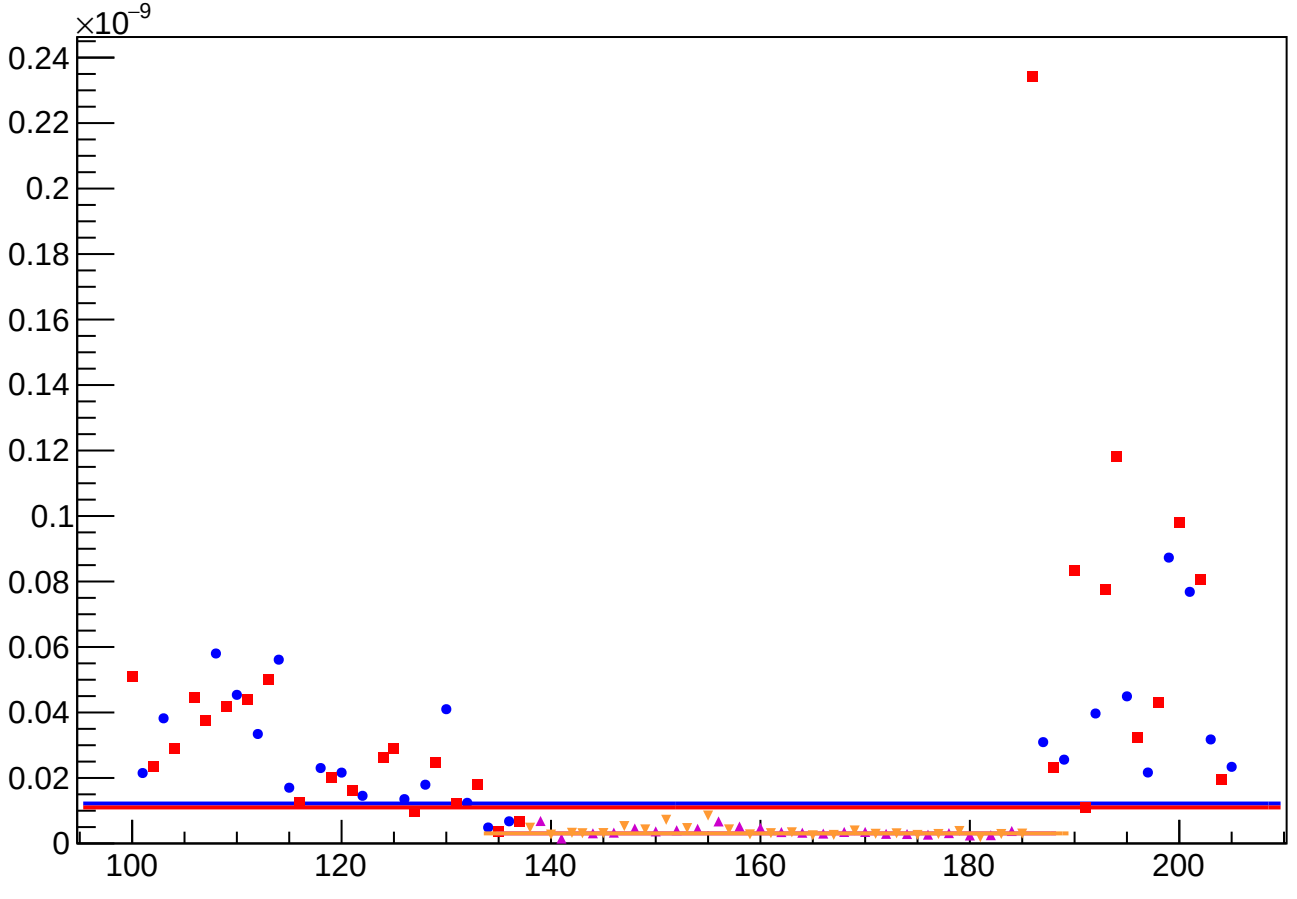
Right: 0.000+/-0.000 χ^2/NDF: 55.1/54

In: 0.000+/-0.000 χ^2/NDF:36.2/47

Out: 0.000+/-0.000 χ^2/NDF:73.1/54

All: 0.000+/-0.000 χ^2/NDF: 109.7/102

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6922221.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9901809.4/29

Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

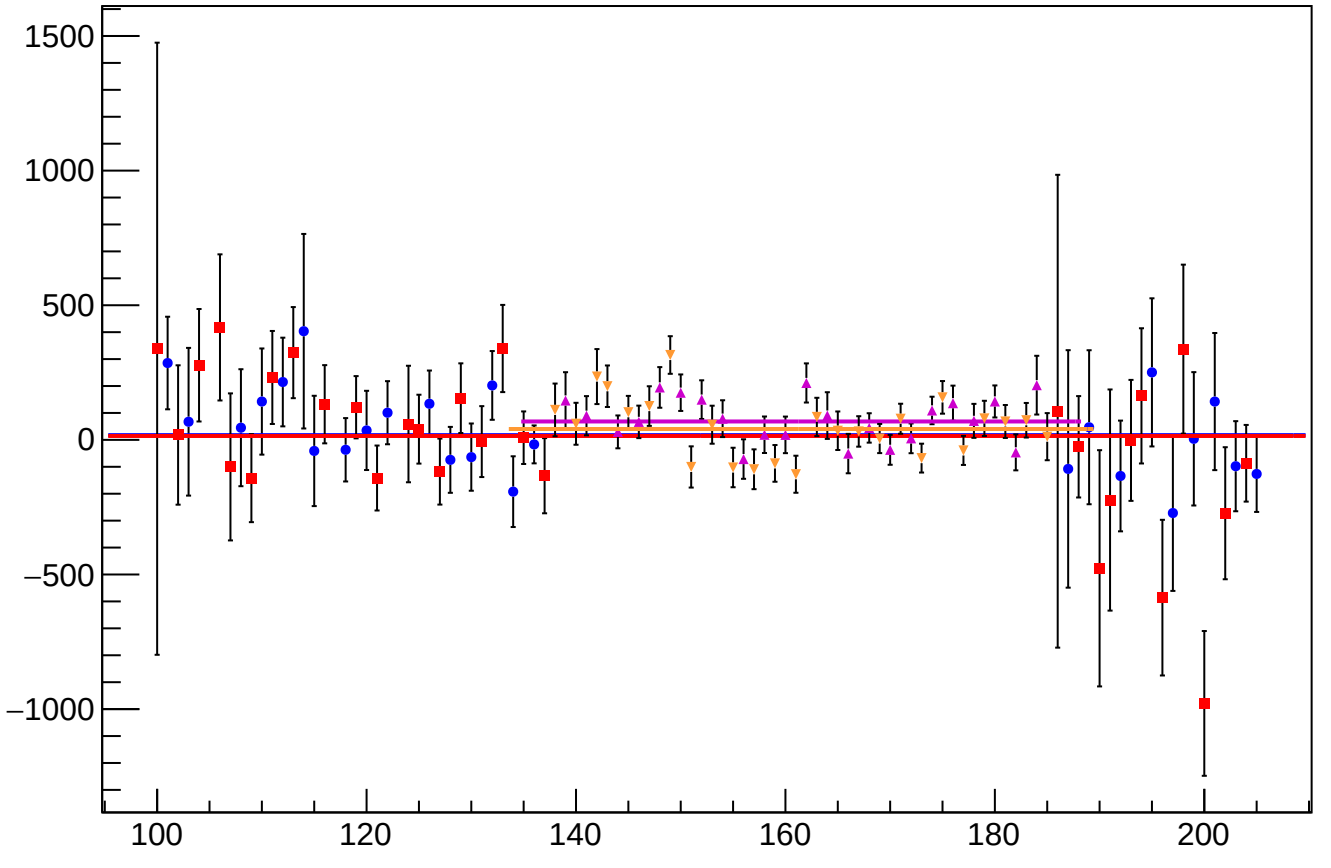
Left: 0.000+/-0.000 χ^2/NDF: 4174620.9/47

Right: 0.000+/-0.000 χ^2/NDF: 16868151.6/54

In: 0.000+/-0.000 χ^2/NDF:14020465.6/47

Out: 0.000+/-0.000 χ^2/NDF:15810633.9/54

All: 0.000+/-0.000 χ^2/NDF: 29832990.3/102



Right In: 17.483+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 14.456+/-31.599 χ^2/NDF: 43.6/29

Left In: 68.344+/-13.866 χ^2/NDF:31.8/22

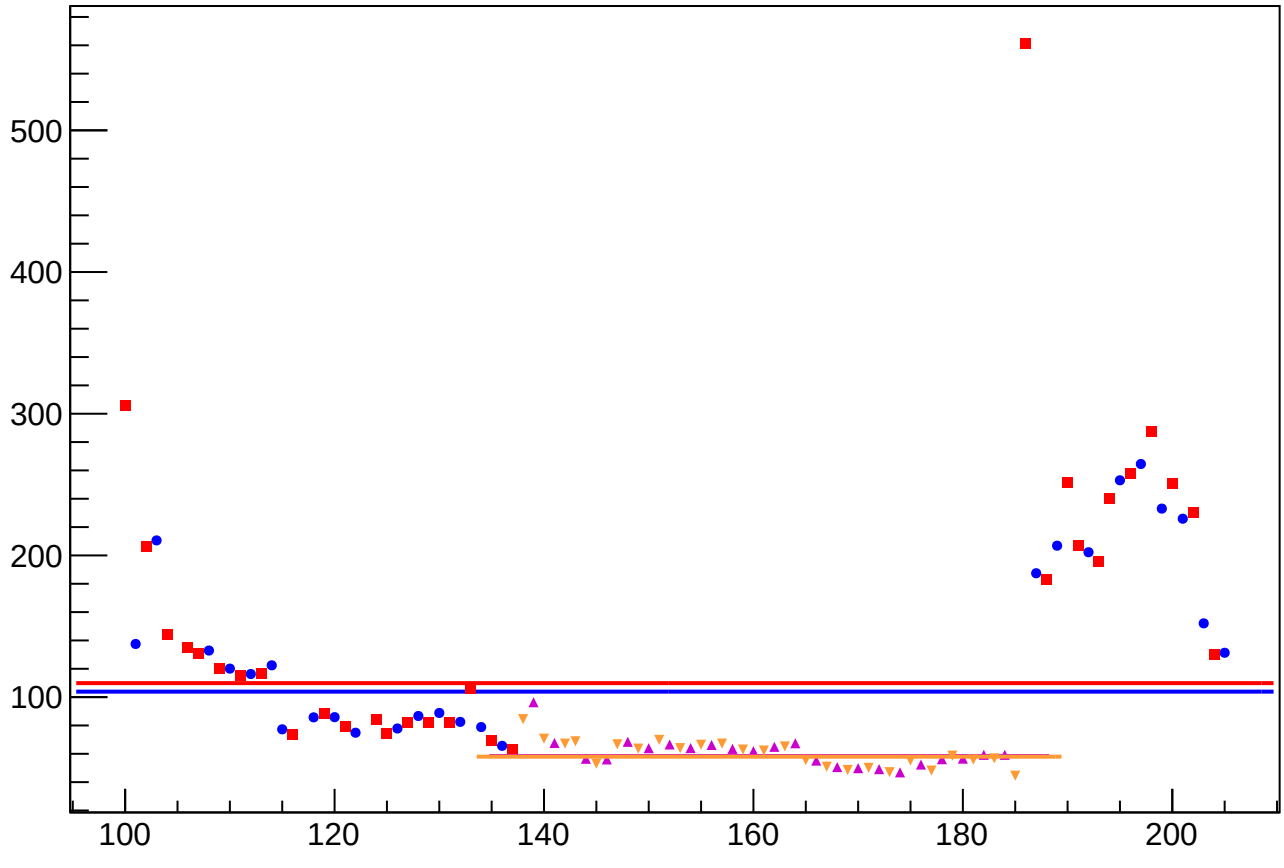
Left: 53.866+/-9.637 χ^2/NDF: 93.3/47

Right: 16.009+/-22.051 χ^2/NDF: 60.7/54

In: 59.767+/-12.643 χ^2/NDF:51.2/47

Out: 36.395+/-12.338 χ^2/NDF:103.6/54

All: 47.796+/-8.830 χ^2/NDF: 156.5/102



Right In: 103.876+/-0.022 χ^2/NDF: 4793232.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

Right Out: 109.883+/-0.022 χ^2/NDF: 6004735.5/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

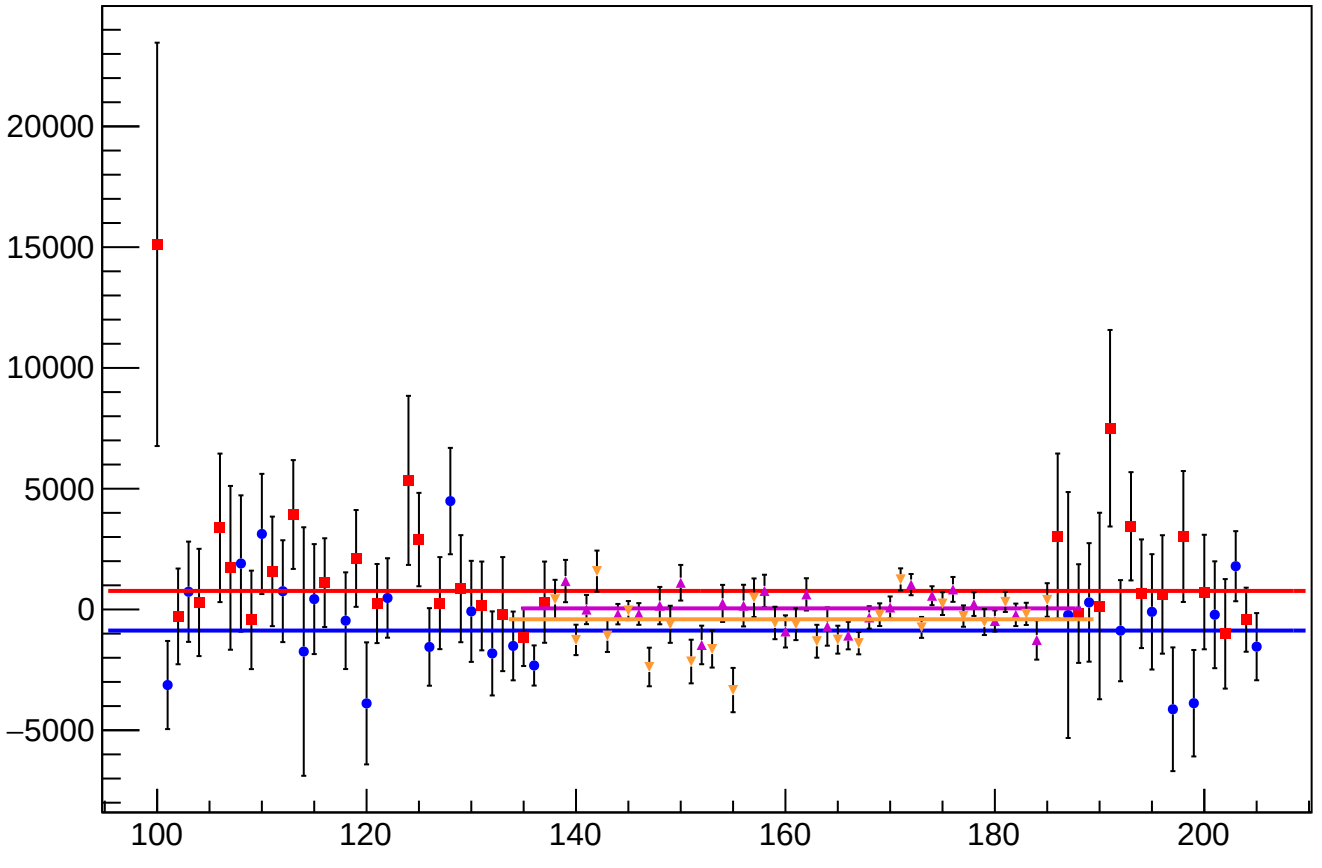
Left: 58.189+/-0.007 χ^2/NDF: 1543722.5/47

Right: 106.802+/-0.016 χ^2/NDF: 10835047.6/54

In: 66.066+/-0.009 χ^2/NDF:9156781.0/47

Out: 65.906+/-0.009 χ^2/NDF:11383107.8/54

All: 65.984+/-0.006 χ^2/NDF: 20540052.7/102



Right In: -873.249+/-369.926 χ^2/NDF: 26.1/24

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: 768.061+/-387.473 χ^2/NDF: 20.0/29

Left In: 44.831+/-115.765 χ^2/NDF:31.1/22

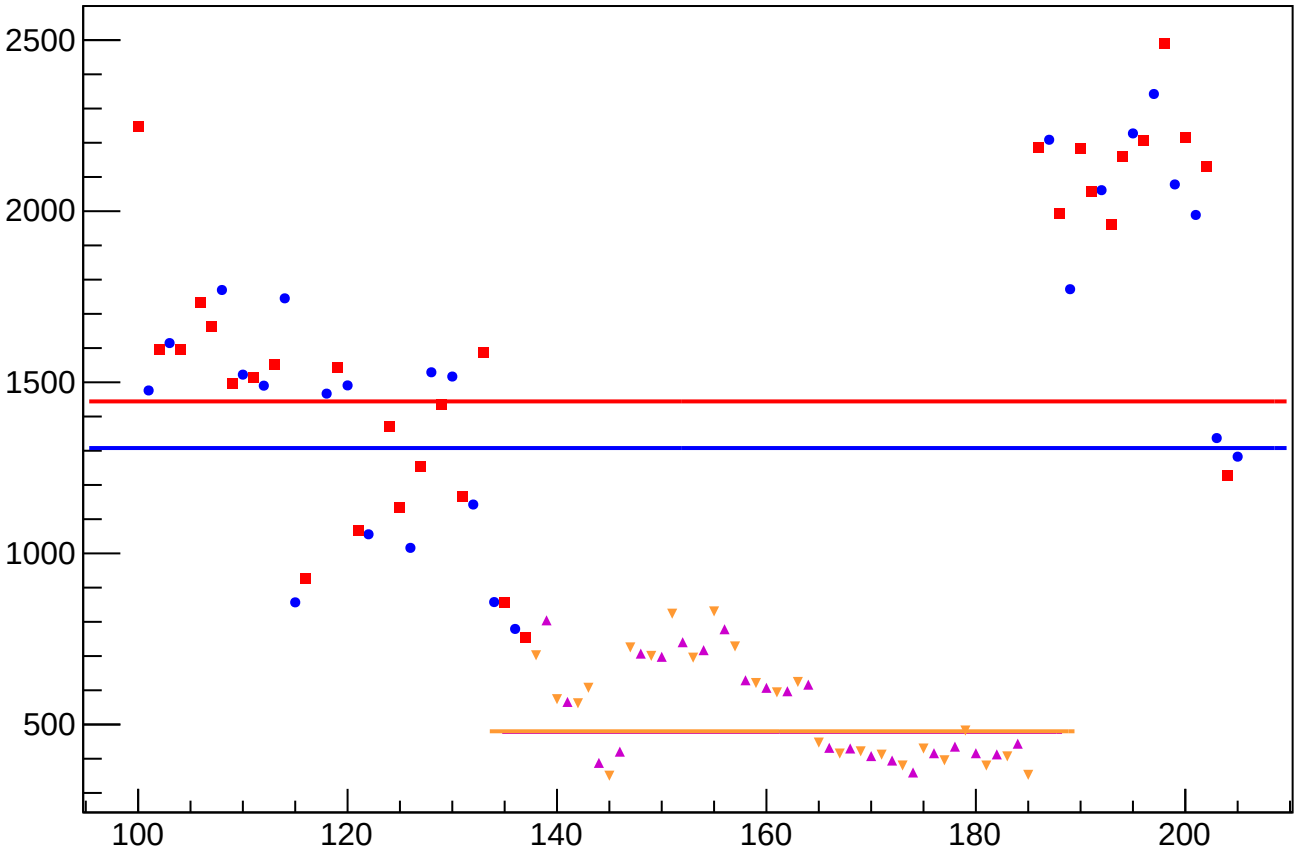
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -90.598+/-267.566 χ^2/NDF: 55.4/54

In: -37.058+/-110.481 χ^2/NDF:62.7/47

Out: -313.567+/-108.894 χ^2/NDF:91.6/54

All: -177.313+/-77.555 χ^2/NDF: 157.5/102



Right In: 1307.886+/-0.262 χ^2/NDF: 2891505.5/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1444.163+/-0.274 χ^2/NDF: 2889845.1/29

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

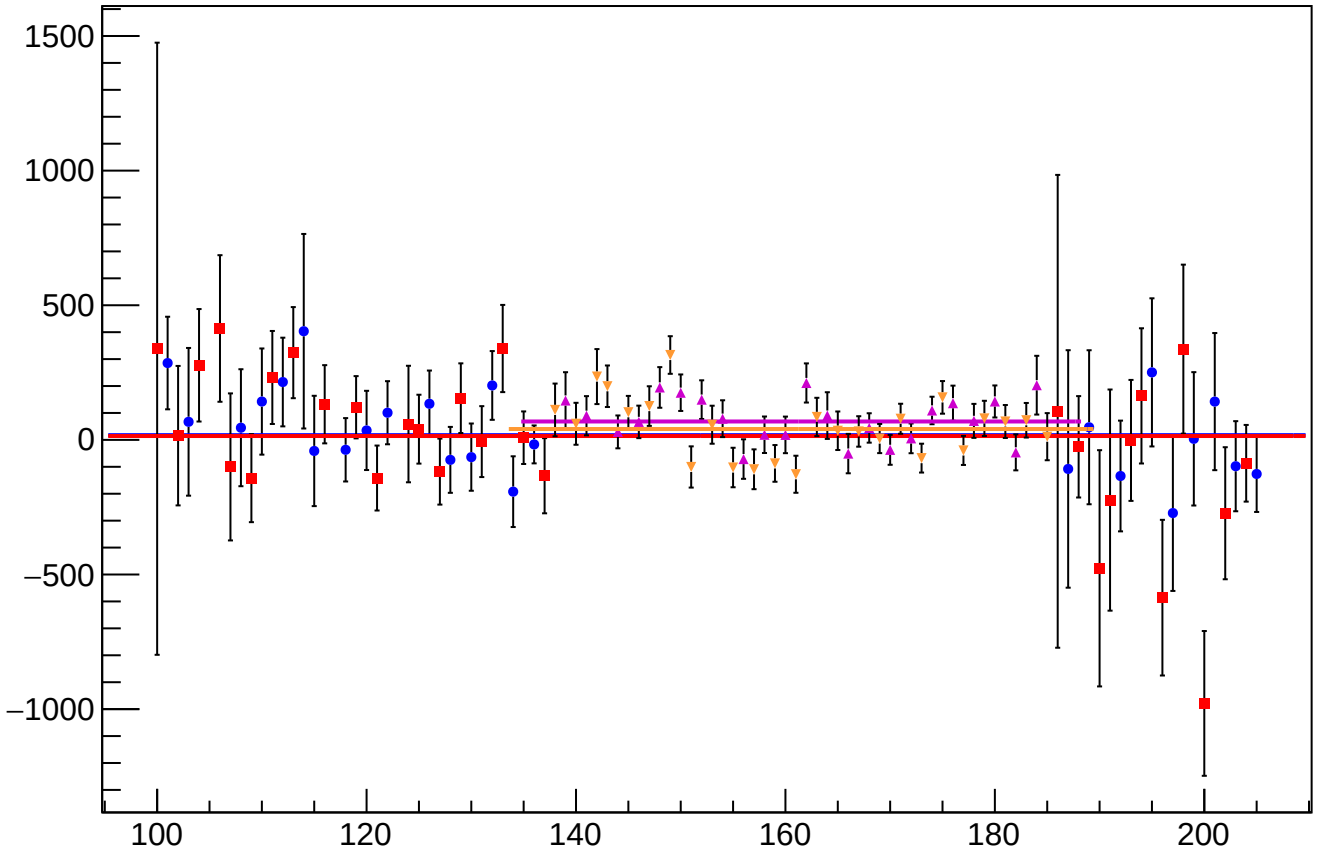
Left: 479.144+/-0.057 χ^2/NDF: 4798063.1/47

Right: 1372.869+/-0.189 χ^2/NDF: 5910776.6/54

In: 552.099+/-0.078 χ^2/NDF:14272887.9/47

Out: 556.301+/-0.077 χ^2/NDF:16873769.4/54

All: 554.230+/-0.055 χ^2/NDF: 31148124.4/10



Right In: 17.474+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 14.331+/-31.600 χ^2/NDF: 43.5/29

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

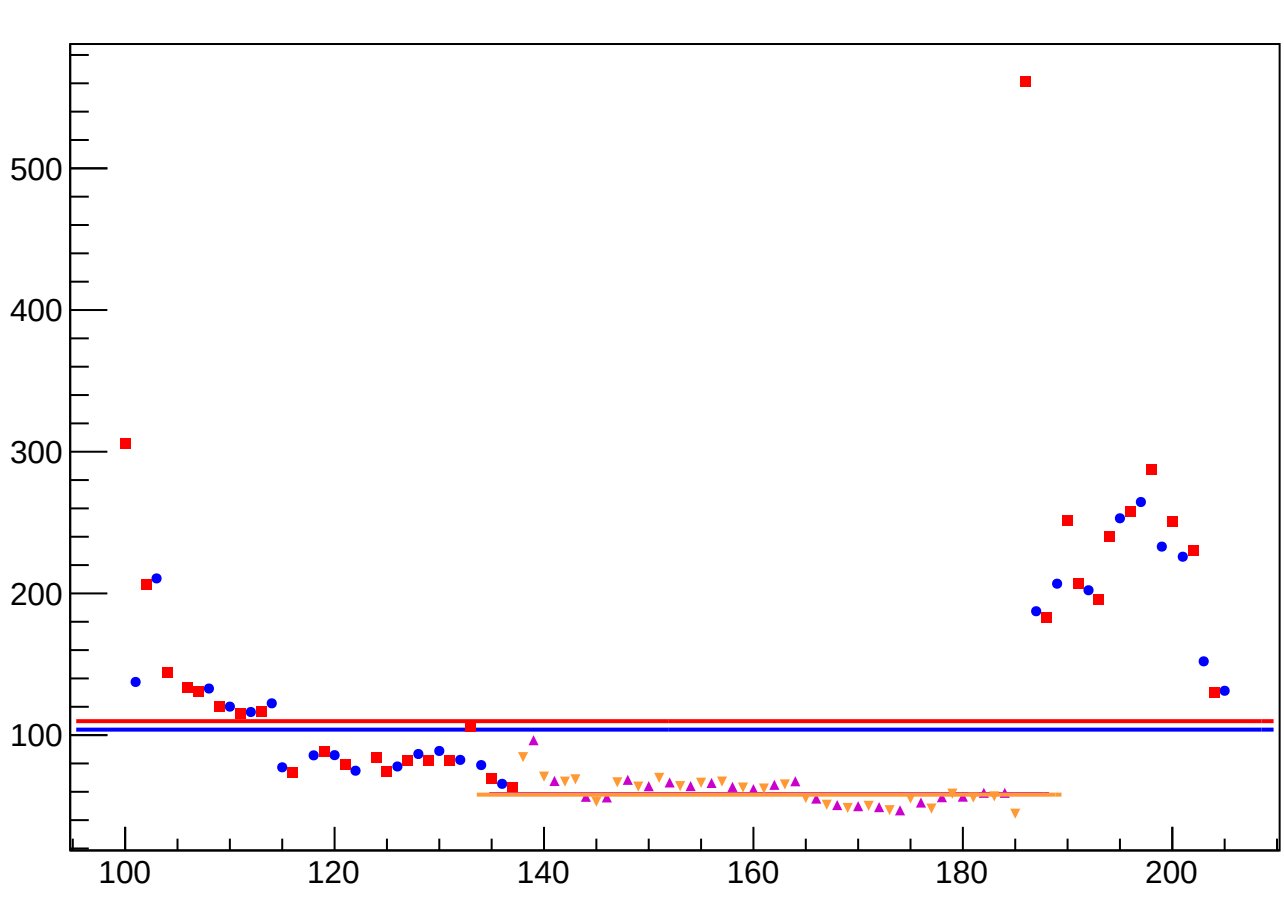
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 15.943+/-22.052 χ^2/NDF: 60.7/54

In: 59.764+/-12.643 χ^2/NDF:51.2/47

Out: 36.378+/-12.338 χ^2/NDF:103.5/54

All: 47.786+/-8.830 χ^2/NDF: 156.4/102



Right In: 103.876+/-0.022 χ^2/NDF: 4793235.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 109.855+/-0.022 χ^2/NDF: 6002372.8/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

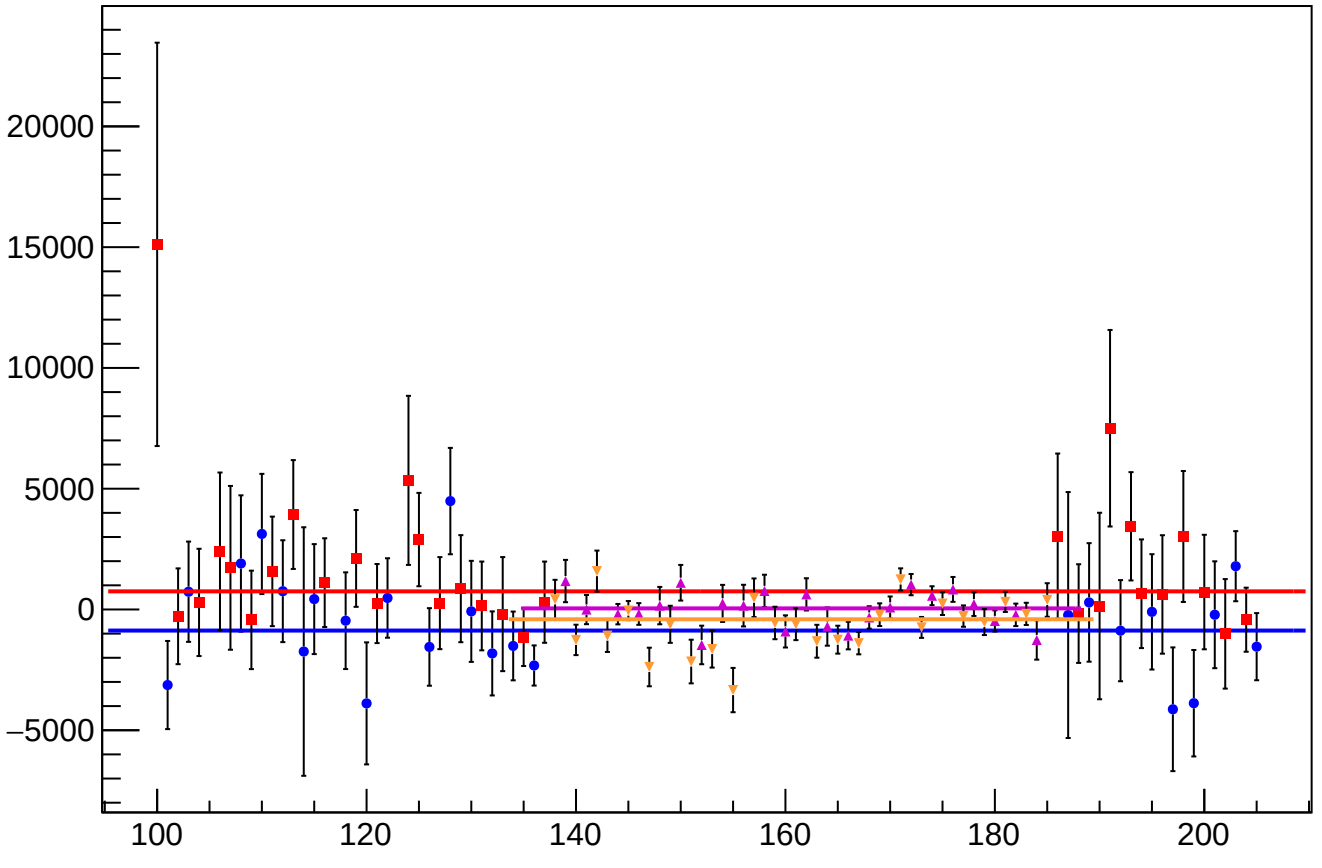
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 106.788+/-0.016 χ^2/NDF: 10832335.1/54

In: 66.066+/-0.009 χ^2/NDF:9156783.3/47

Out: 65.901+/-0.009 χ^2/NDF:11375336.8/54

All: 65.982+/-0.006 χ^2/NDF: 20532294.5/102



Right In: -873.225+/-369.927 χ^2/NDF: 26.1/24

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 749.882+/-387.835 χ^2/NDF: 19.5/29

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

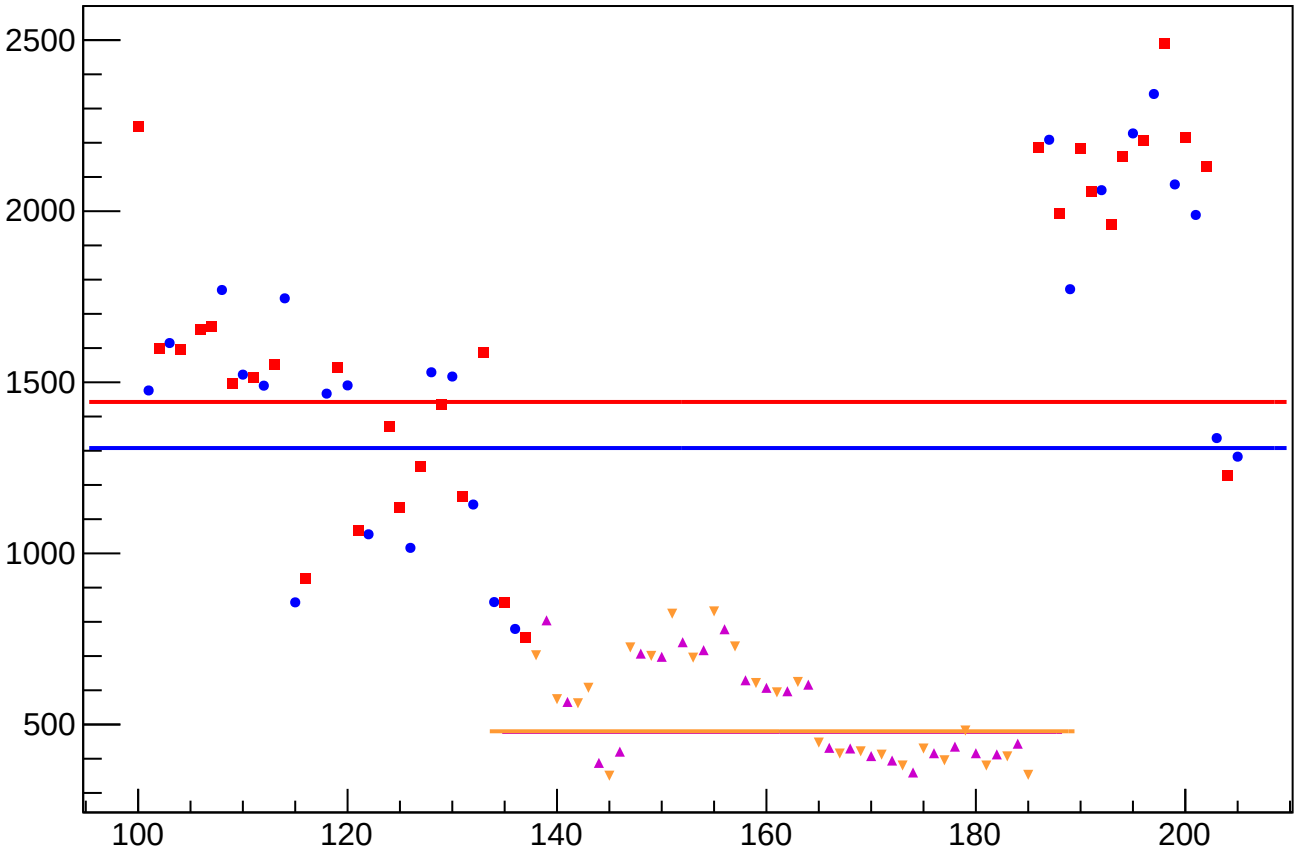
Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

Right: -100.008+/-267.685 χ^2/NDF: 54.7/54

In: -37.057+/-110.482 χ^2/NDF:62.7/47

Out: -315.158+/-108.902 χ^2/NDF:90.9/54

All: -178.109+/-77.558 χ^2/NDF: 156.8/102



Right In: 1307.888+/-0.262 χ^2/NDF: 2891536.0/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1442.574+/-0.274 χ^2/NDF: 2880632.2/29

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

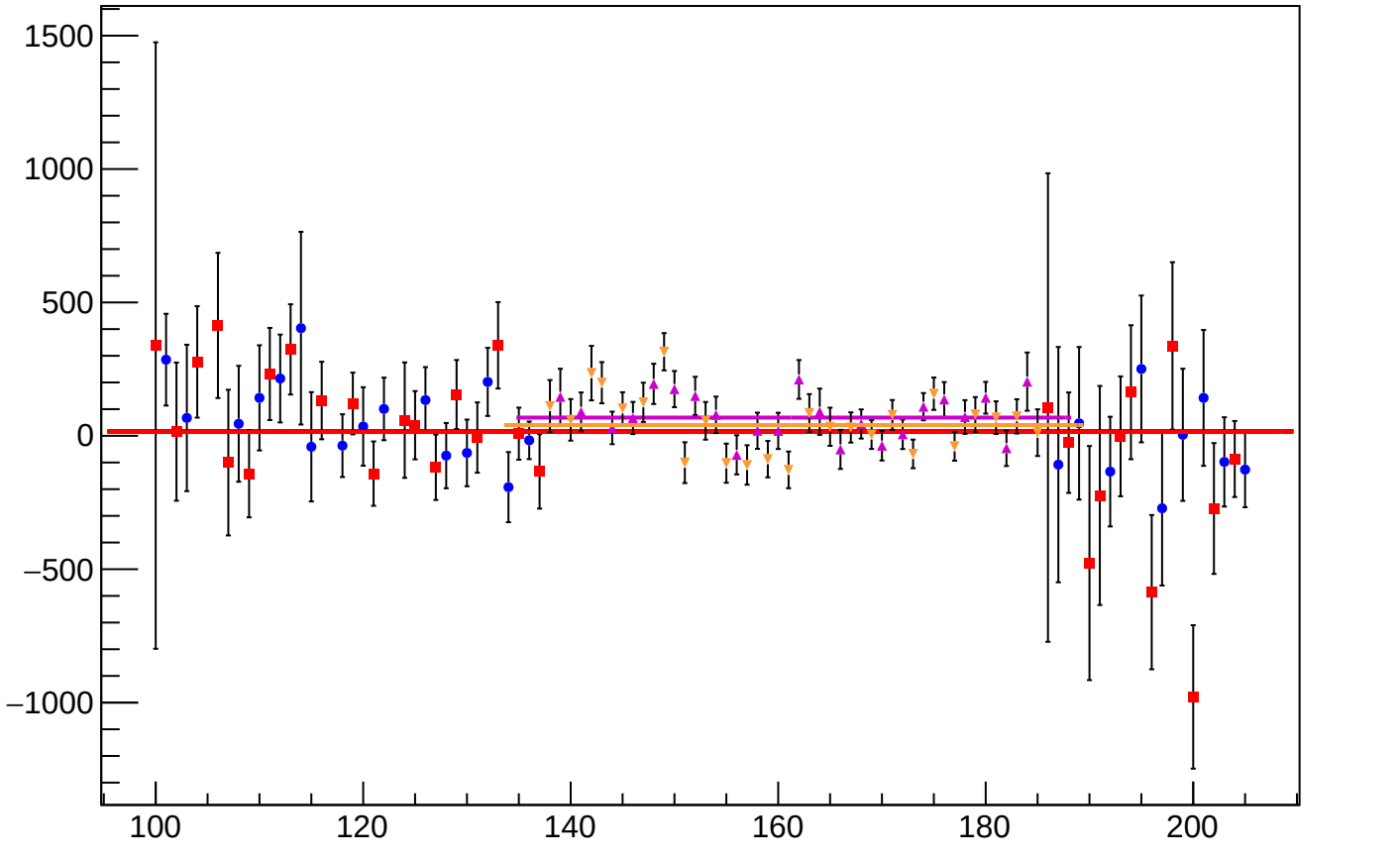
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1372.050+/-0.189 χ^2/NDF: 5898466.9/54

In: 552.099+/-0.078 χ^2/NDF:14272915.8/47

Out: 556.045+/-0.077 χ^2/NDF:16807475.5/54

All: 554.100+/-0.055 χ^2/NDF: 31081684.9/10



Right In: 17.474+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 14.331+/-31.600 χ^2/NDF: 43.5/29

Left In: 68.343+/-13.866 χ^2/NDF:31.7/22

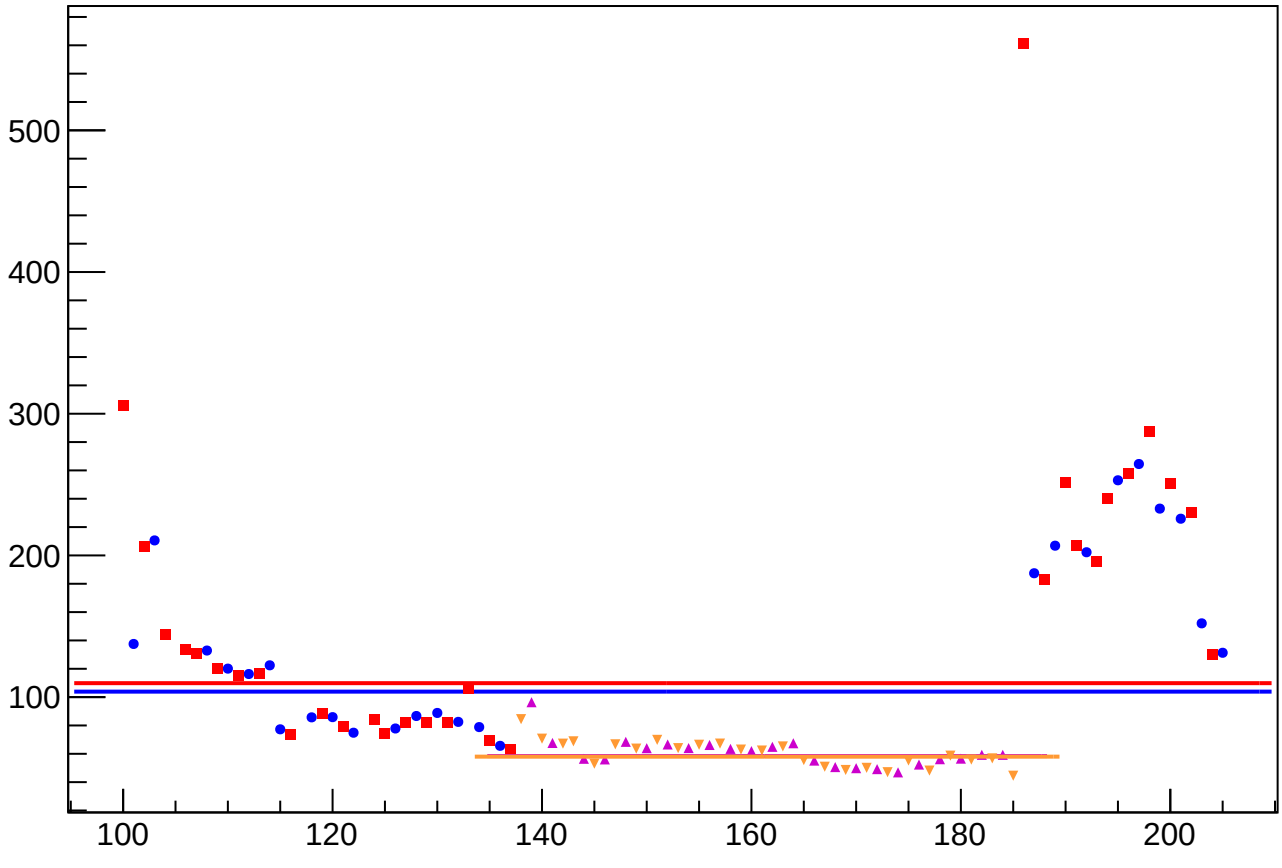
Left: 53.867+/-9.637 χ^2/NDF: 93.3/47

Right: 15.943+/-22.052 χ^2/NDF: 60.7/54

In: 59.764+/-12.643 χ^2/NDF:51.2/47

Out: 36.378+/-12.338 χ^2/NDF:103.5/54

All: 47.786+/-8.830 χ^2/NDF: 156.4/102



Right In: 103.876+/-0.022 χ^2/NDF: 4793235.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

Right Out: 109.855+/-0.022 χ^2/NDF: 6002372.8/29

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

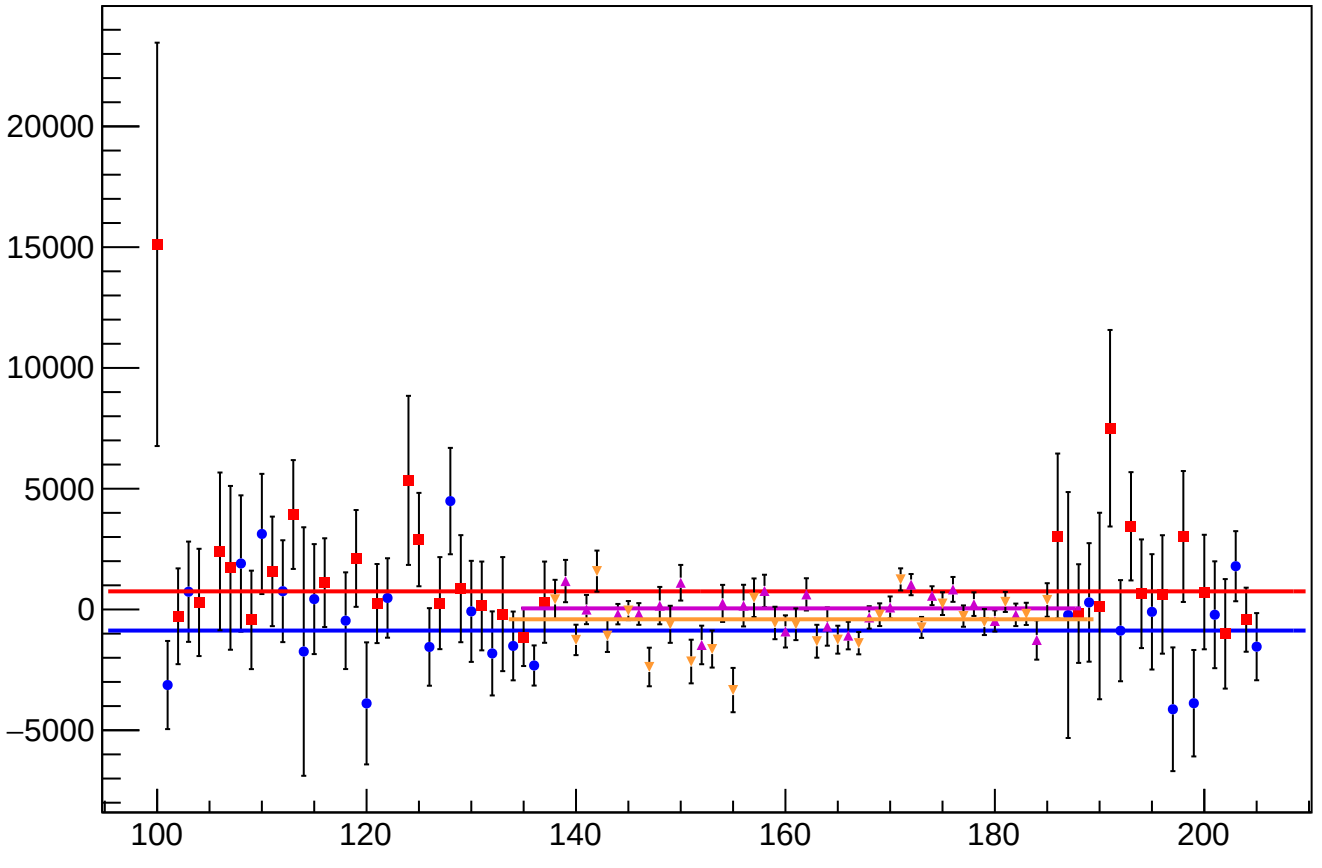
Left: 58.189+/-0.007 χ^2/NDF: 1543722.4/47

Right: 106.788+/-0.016 χ^2/NDF: 10832335.1/54

In: 66.066+/-0.009 χ^2/NDF:9156783.3/47

Out: 65.901+/-0.009 χ^2/NDF:11375336.8/54

All: 65.982+/-0.006 χ^2/NDF: 20532294.5/102



Right In: -873.225+/-369.927 χ^2/NDF: 26.1/24

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: 749.882+/-387.835 χ^2/NDF: 19.5/29

Left In: 44.830+/-115.765 χ^2/NDF:31.1/22

Left: -185.266+/-81.034 χ^2/NDF: 102.0/47

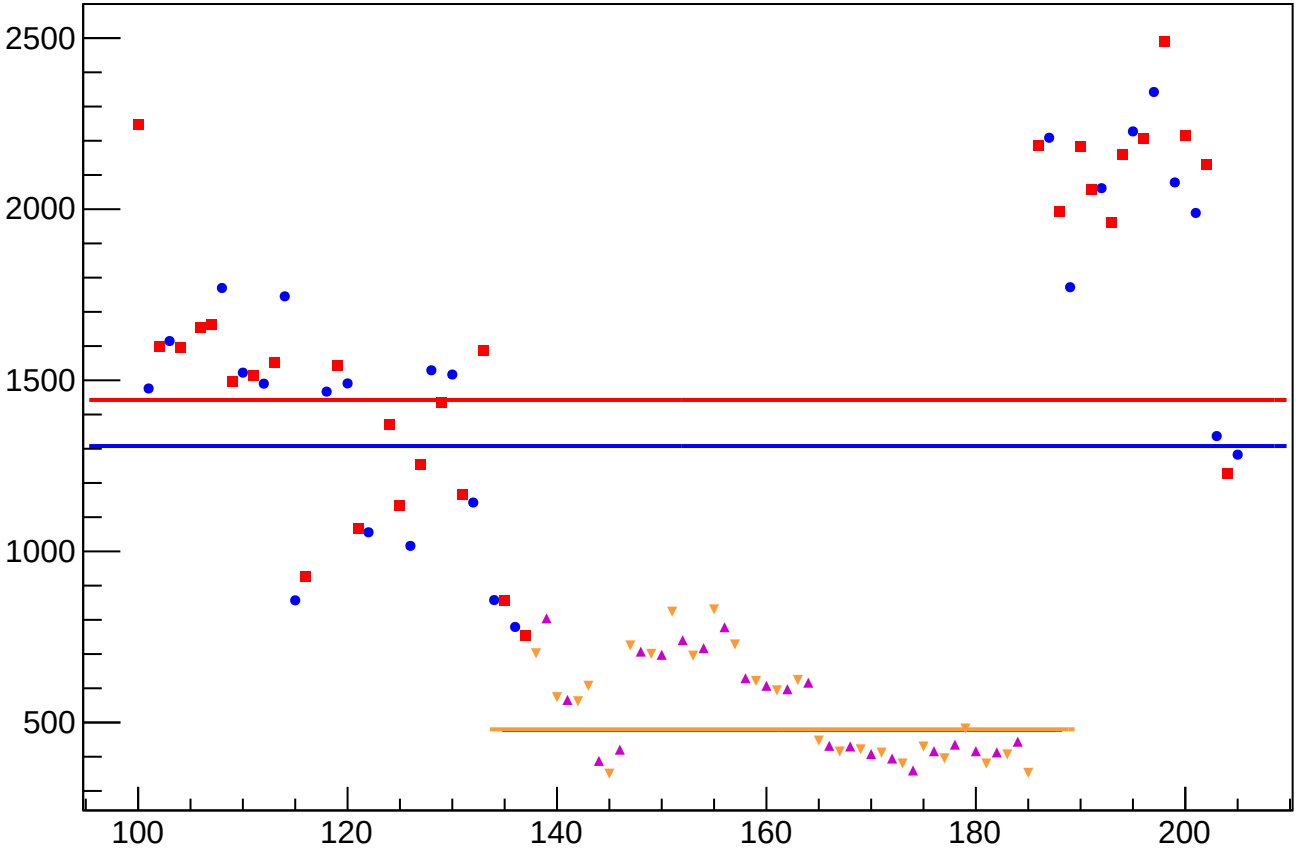
Right: -100.008+/-267.685 χ^2/NDF: 54.7/54

In: -37.057+/-110.482 χ^2/NDF:62.7/47

Out: -315.158+/-108.902 χ^2/NDF:90.9/54

All: -178.109+/-77.558 χ^2/NDF: 156.8/102

asym_sam_3726_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1307.888+/-0.262 χ^2/NDF: 2891536.0/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1442.574+/-0.274 χ^2/NDF: 2880632.2/29

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

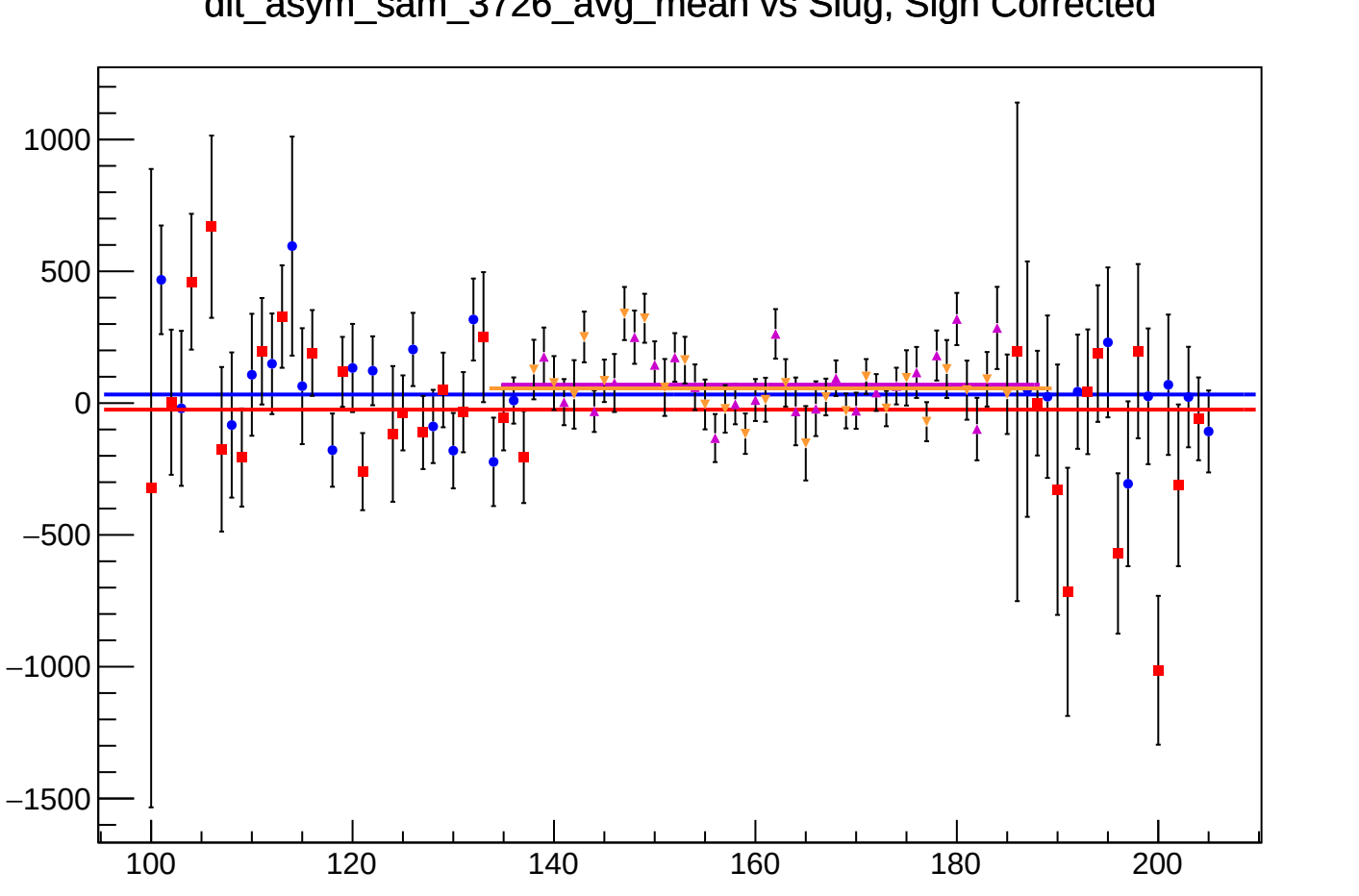
Left: 479.144+/-0.057 χ^2/NDF: 4798056.8/47

Right: 1372.050+/-0.189 χ^2/NDF: 5898466.9/54

In: 552.099+/-0.078 χ^2/NDF:14272915.8/47

Out: 556.045+/-0.077 χ^2/NDF:16807475.5/54

All: 554.100+/-0.055 χ^2/NDF: 31081684.9/10



Right In: 32.647+/-35.728 χ^2/NDF: 22.9/24

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: -24.667+/-36.638 χ^2/NDF: 42.3/29

Left In: 69.844+/-18.497 χ^2/NDF:34.5/22

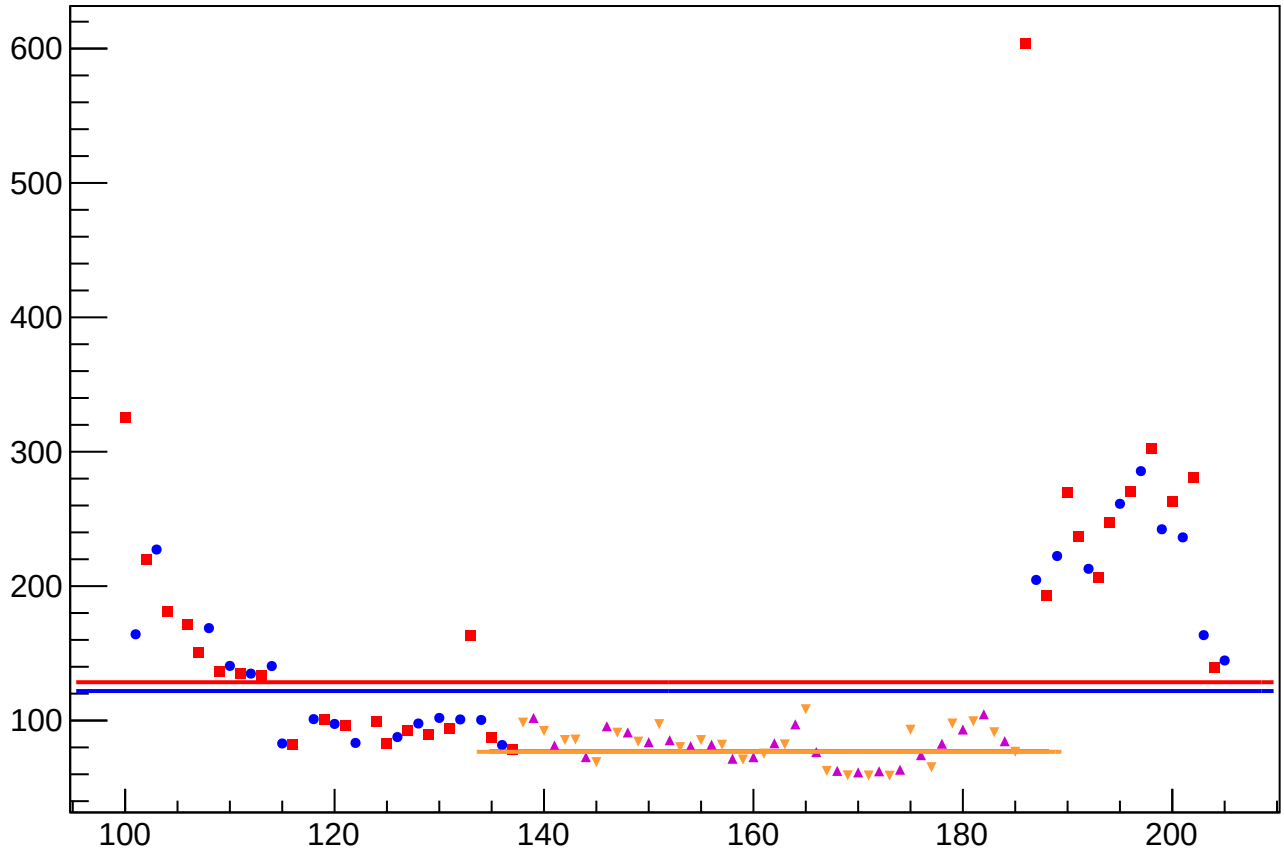
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 4.711+/-25.579 χ^2/NDF: 66.4/54

In: 61.981+/-16.426 χ^2/NDF:58.3/47

Out: 40.345+/-16.119 χ^2/NDF:84.5/54

All: 50.959+/-11.505 χ^2/NDF: 143.6/102



Right In: 121.940+/-0.025 χ^2/NDF: 4056964.9/24

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 128.497+/-0.026 χ^2/NDF: 5379213.4/29

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

Left: 76.877+/-0.009 χ^2/NDF: 2093727.3/47

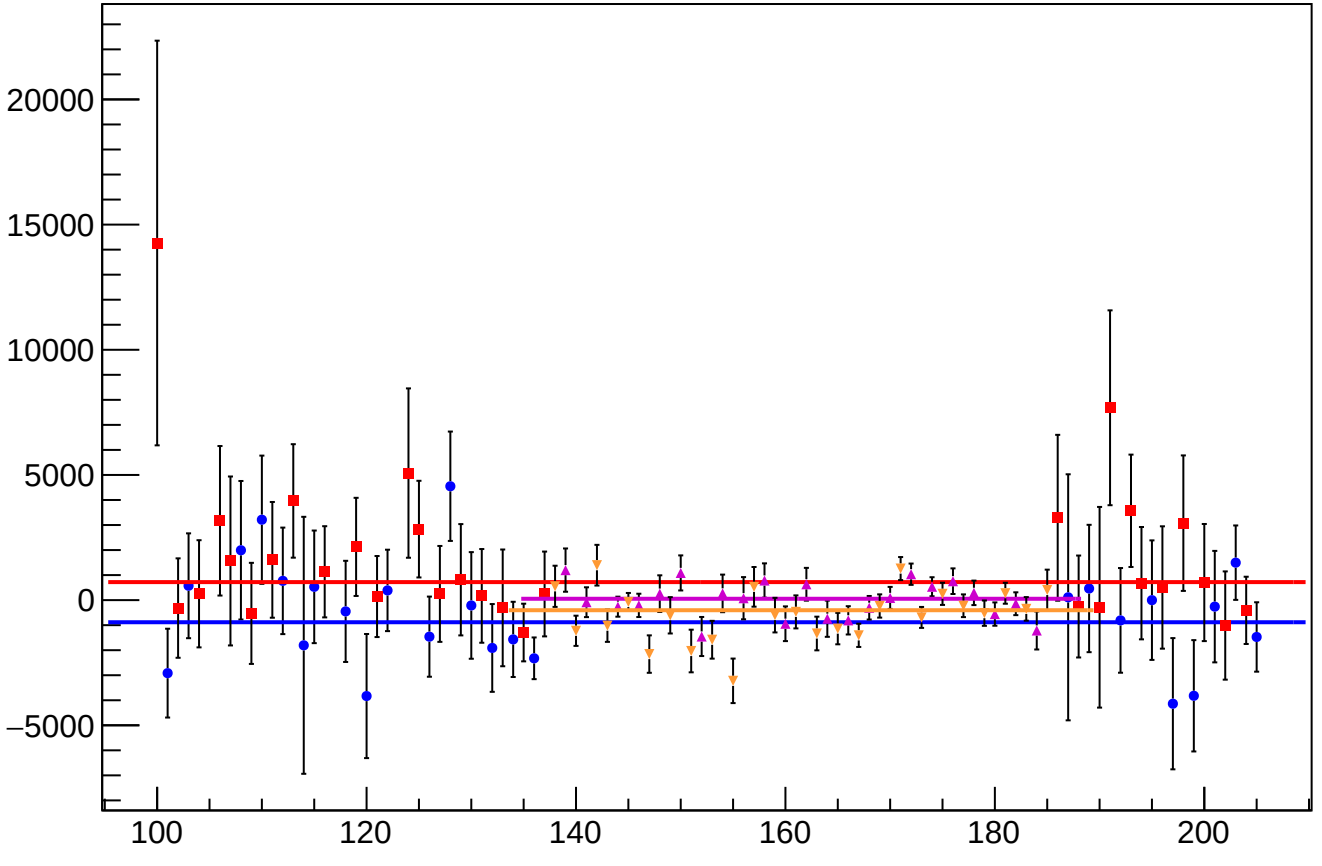
Right: 125.136+/-0.018 χ^2/NDF: 9469011.7/54

In: 86.513+/-0.012 χ^2/NDF:7409341.5/47

Out: 86.761+/-0.011 χ^2/NDF:9832095.4/54

All: 86.639+/-0.008 χ^2/NDF: 17241668.6/102

asym_sam_3726_avg_dit_correction_mean vs Slug, Sign Corrected



Right In: -883.372+/-372.035 χ^2/NDF: 25.1/24

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 719.795+/-384.232 χ^2/NDF: 21.3/29

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.552+/-79.888 χ^2/NDF: 99.6/47

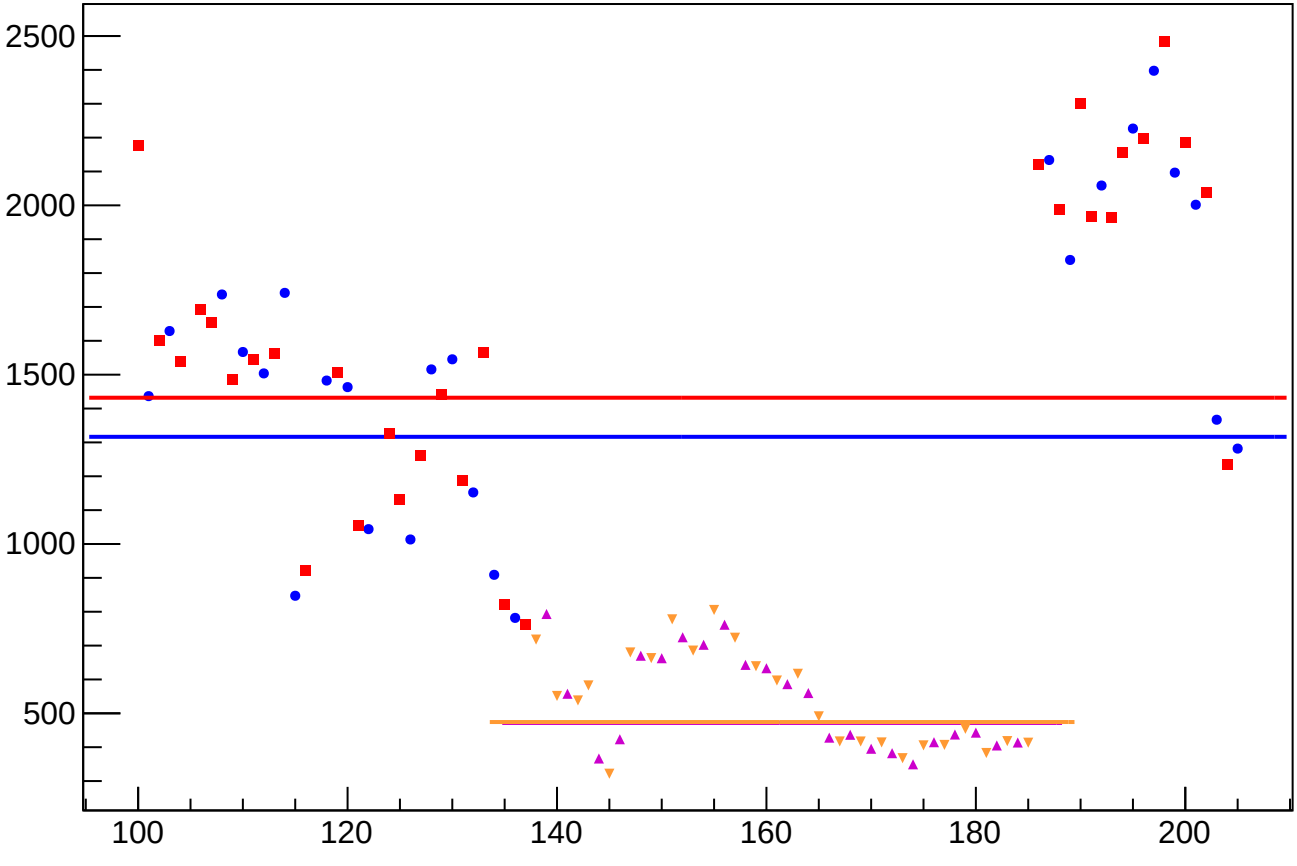
Right: -107.638+/-267.276 χ^2/NDF: 55.3/54

In: -26.573+/-109.193 χ^2/NDF:61.5/47

Out: -315.745+/-107.324 χ^2/NDF:89.9/54

All: -173.654+/-76.542 χ^2/NDF: 155.0/102

asym_sam_3726_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1316.499+/-0.263 χ^2/NDF: 2874341.0/24

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1431.949+/-0.272 χ^2/NDF: 2917753.5/29

Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

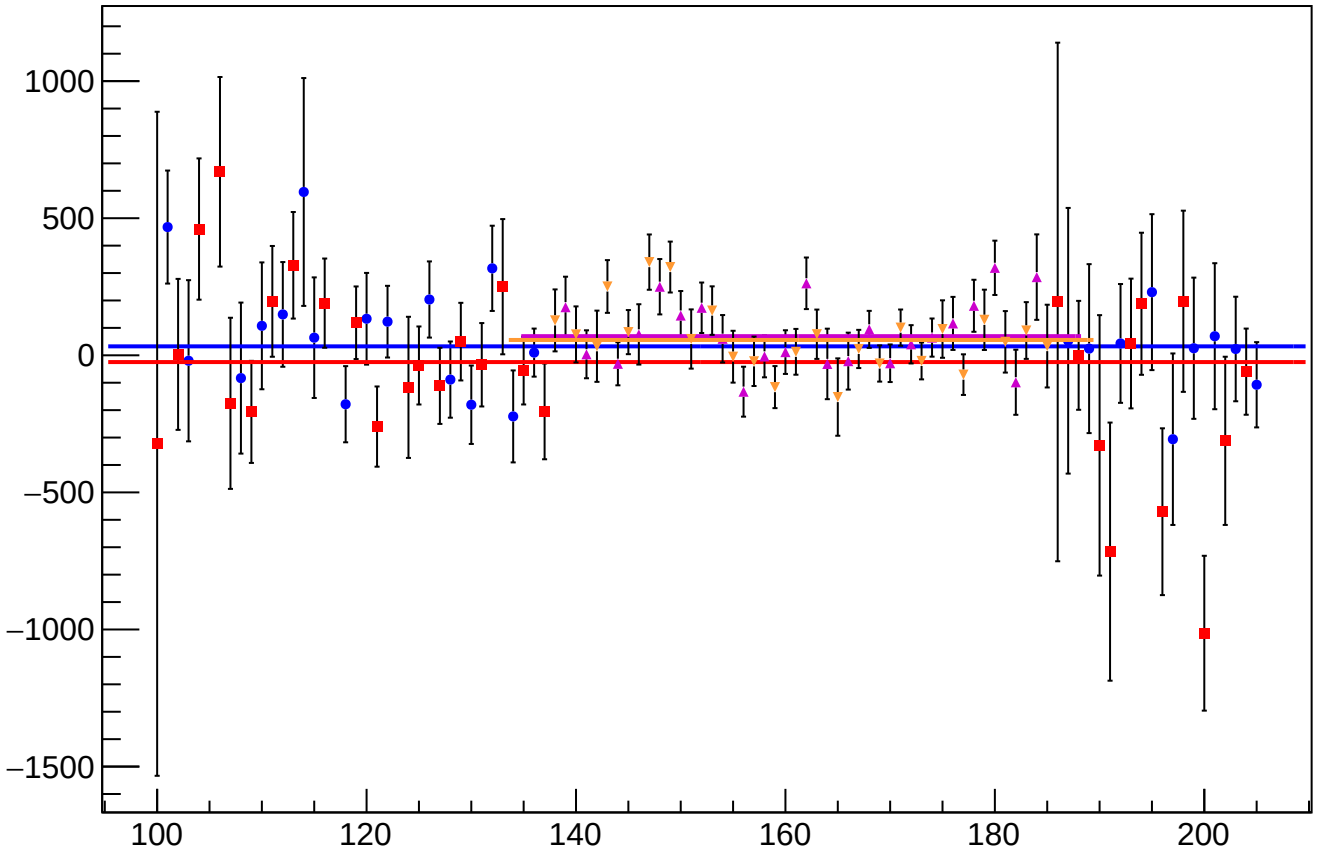
Left: 472.906+/-0.056 χ^2/NDF: 4748969.5/47

Right: 1372.363+/-0.189 χ^2/NDF: 5885288.2/54

In: 544.251+/-0.077 χ^2/NDF:14513422.4/47

Out: 549.011+/-0.076 χ^2/NDF:16911445.9/54

All: 546.672+/-0.054 χ^2/NDF: 31426801.7/10



Right In: 32.647+/-35.728 χ^2/NDF: 22.9/24

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: -24.669+/-36.638 χ^2/NDF: 42.3/29

Left In: 69.843+/-18.497 χ^2/NDF:34.5/22

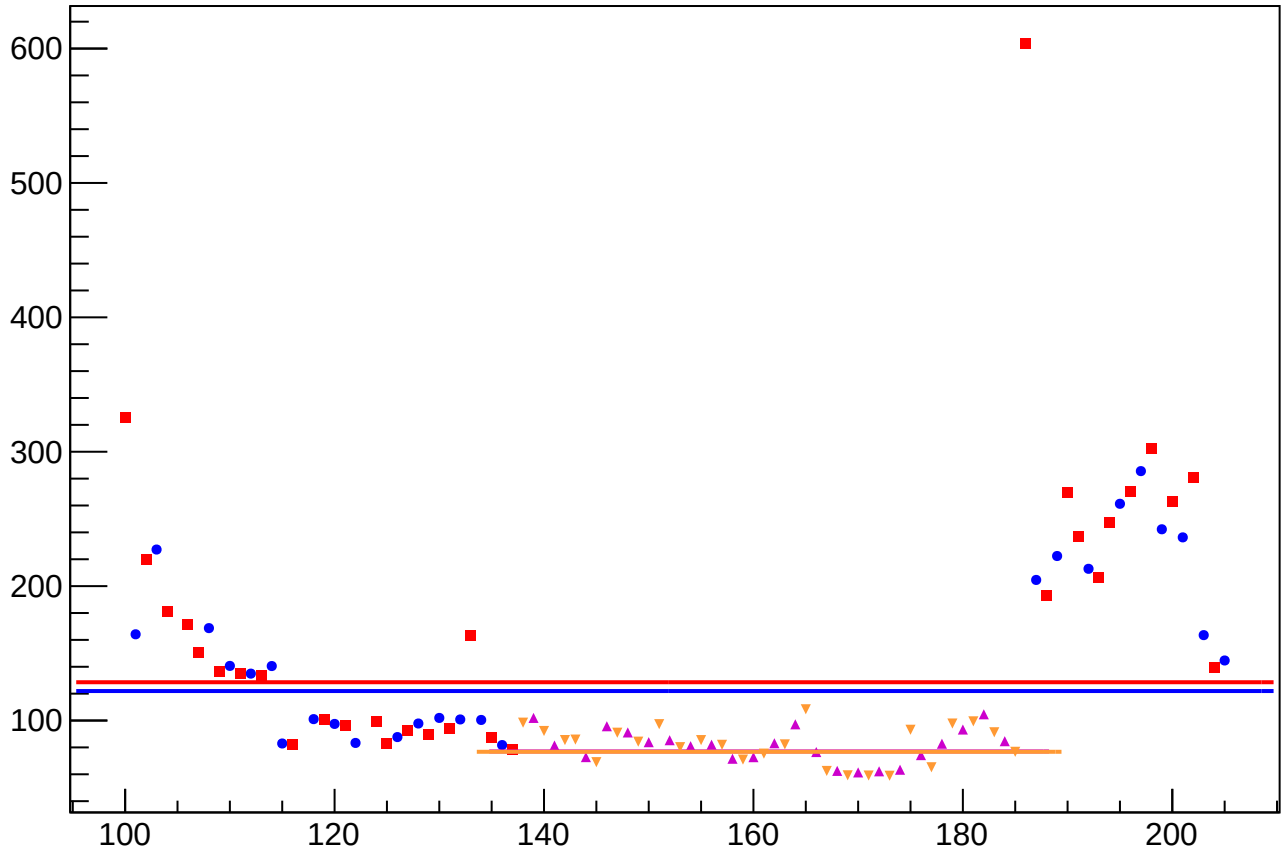
Left: 62.687+/-12.881 χ^2/NDF: 73.1/47

Right: 4.710+/-25.579 χ^2/NDF: 66.4/54

In: 61.981+/-16.426 χ^2/NDF:58.3/47

Out: 40.344+/-16.119 χ^2/NDF:84.5/54

All: 50.958+/-11.505 χ^2/NDF: 143.6/102



Right In: 121.940+/-0.025 χ^2/NDF: 4056972.2/24

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

Right Out: 128.497+/-0.026 χ^2/NDF: 5379222.4/29

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

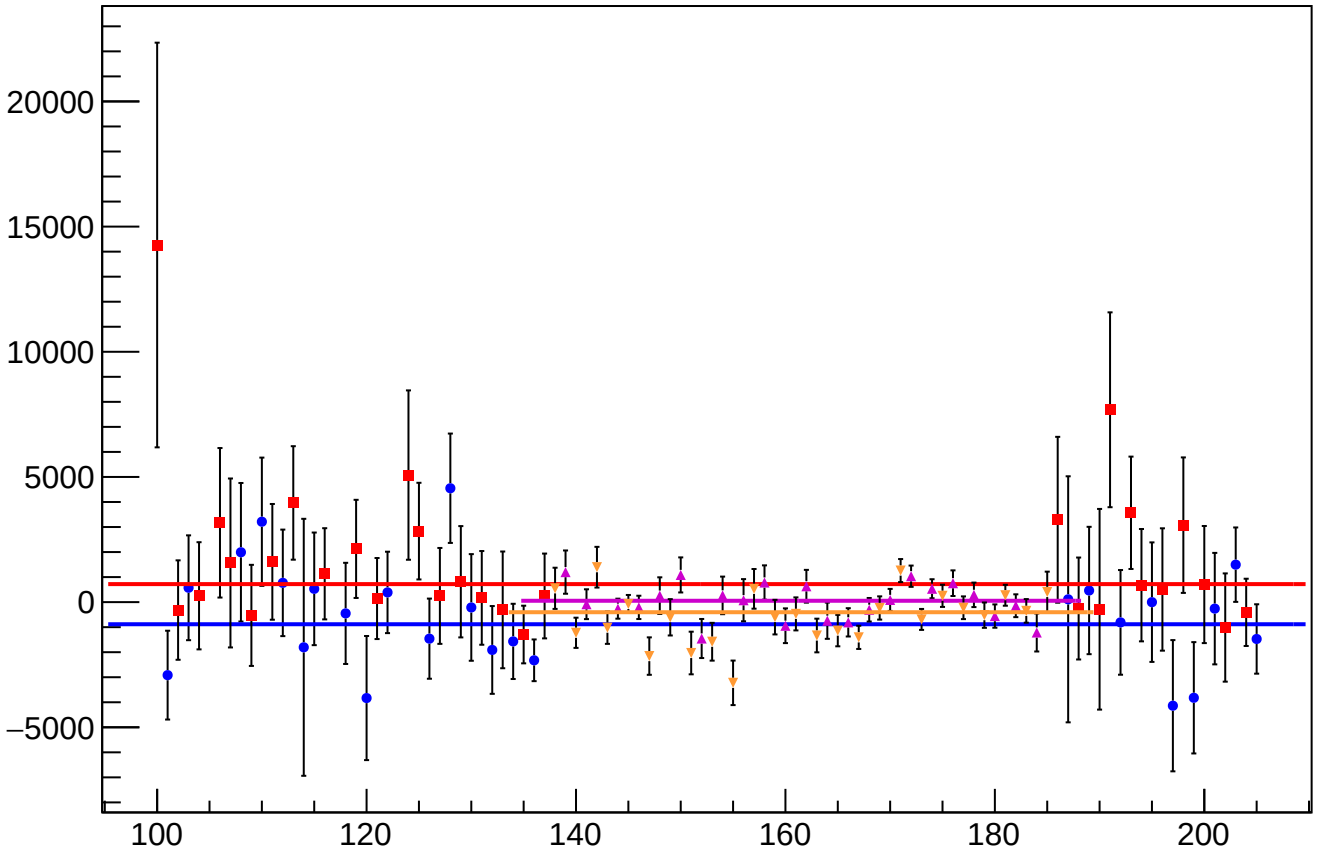
Left: 76.877+/-0.009 χ^2/NDF: 2093717.5/47

Right: 125.136+/-0.018 χ^2/NDF: 9469029.7/54

In: 86.513+/-0.012 χ^2/NDF:7409283.3/47

Out: 86.761+/-0.011 χ^2/NDF:9832057.0/54

All: 86.640+/-0.008 χ^2/NDF: 17241572.0/102



Right In: -883.369+/-372.034 χ^2/NDF: 25.1/24

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: 719.796+/-384.231 χ^2/NDF: 21.3/29

Left In: 54.192+/-114.223 χ^2/NDF:30.7/22

Left: -179.551+/-79.888 χ^2/NDF: 99.6/47

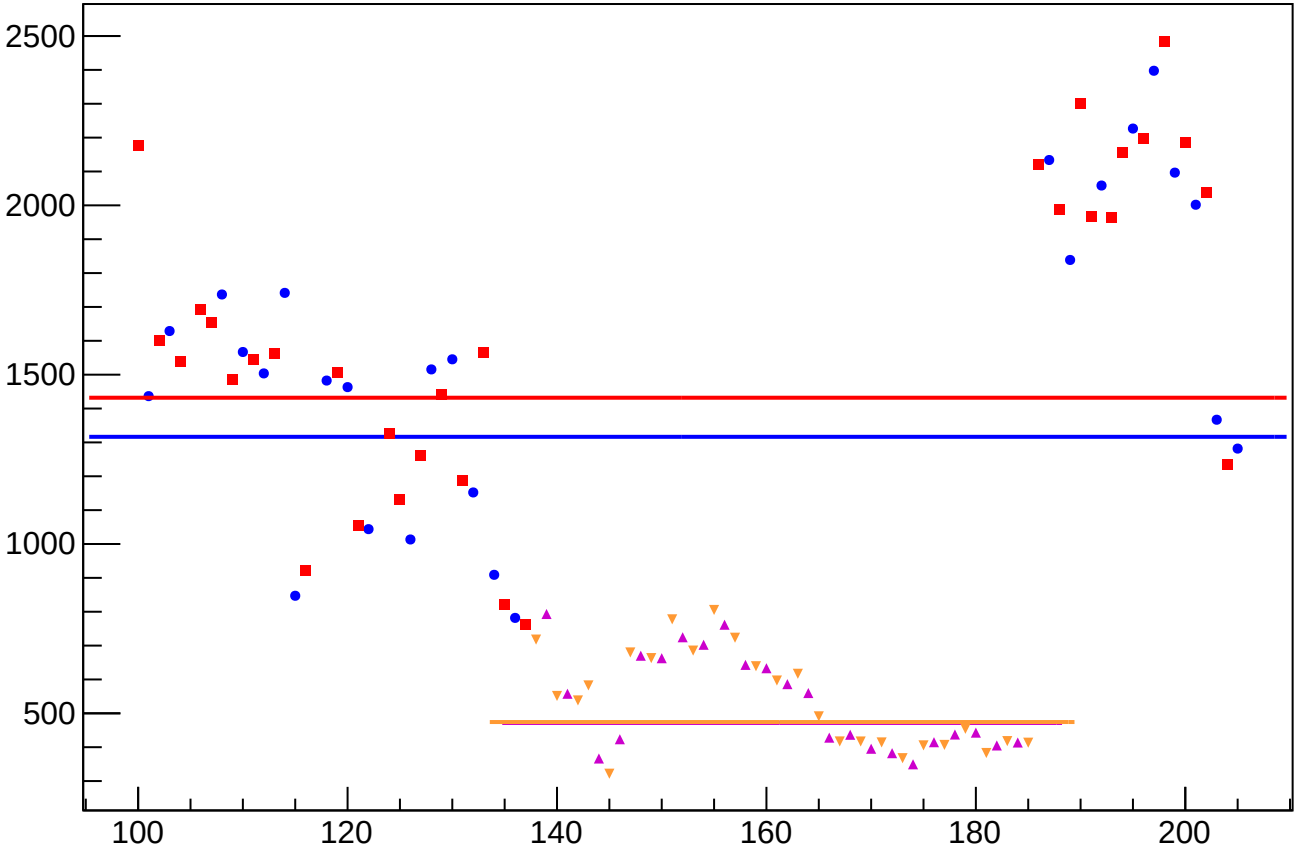
Right: -107.635+/-267.276 χ^2/NDF: 55.3/54

In: -26.573+/-109.193 χ^2/NDF:61.5/47

Out: -315.744+/-107.324 χ^2/NDF:89.9/54

All: -173.653+/-76.542 χ^2/NDF: 155.0/102

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1316.498+/-0.263 χ^2/NDF: 2874331.5/24

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1431.948+/-0.272 χ^2/NDF: 2917748.6/29

Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

Left: 472.905+/-0.056 χ^2/NDF: 4748968.3/47

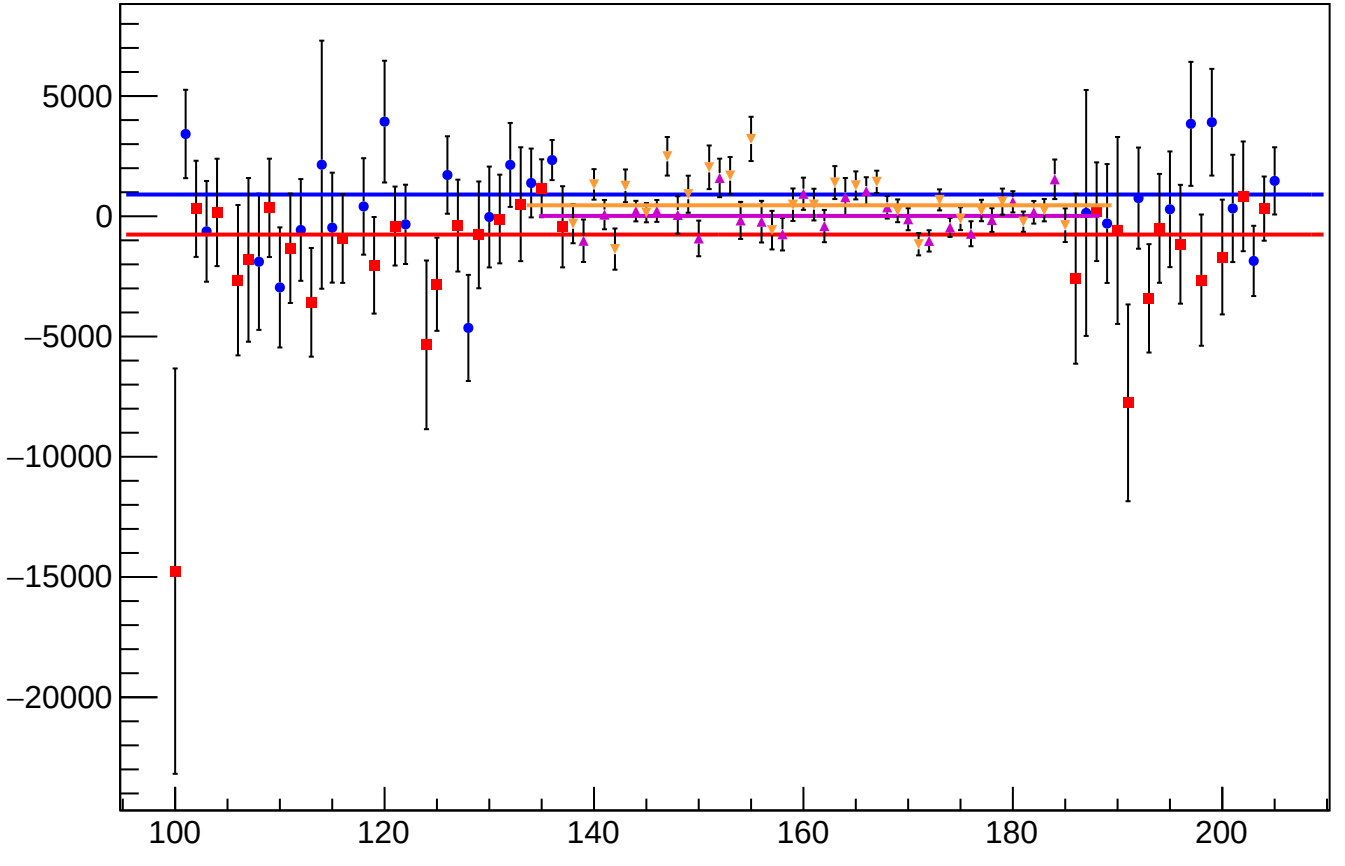
Right: 1372.362+/-0.189 χ^2/NDF: 5885273.0/54

In: 544.250+/-0.077 χ^2/NDF:14513407.3/47

Out: 549.011+/-0.076 χ^2/NDF:16911442.0/54

All: 546.672+/-0.054 χ^2/NDF: 31426782.5/10

asym_sam_3726_avg_mean vs Slug, Sign Corrected



Right In: 904.741+/-371.667 χ^2/NDF: 26.4/24

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: -760.134+/-389.349 χ^2/NDF: 18.5/29

Left In: 15.089+/-116.701 χ^2/NDF:30.3/22

Left: 240.684+/-81.677 χ^2/NDF: 97.0/47

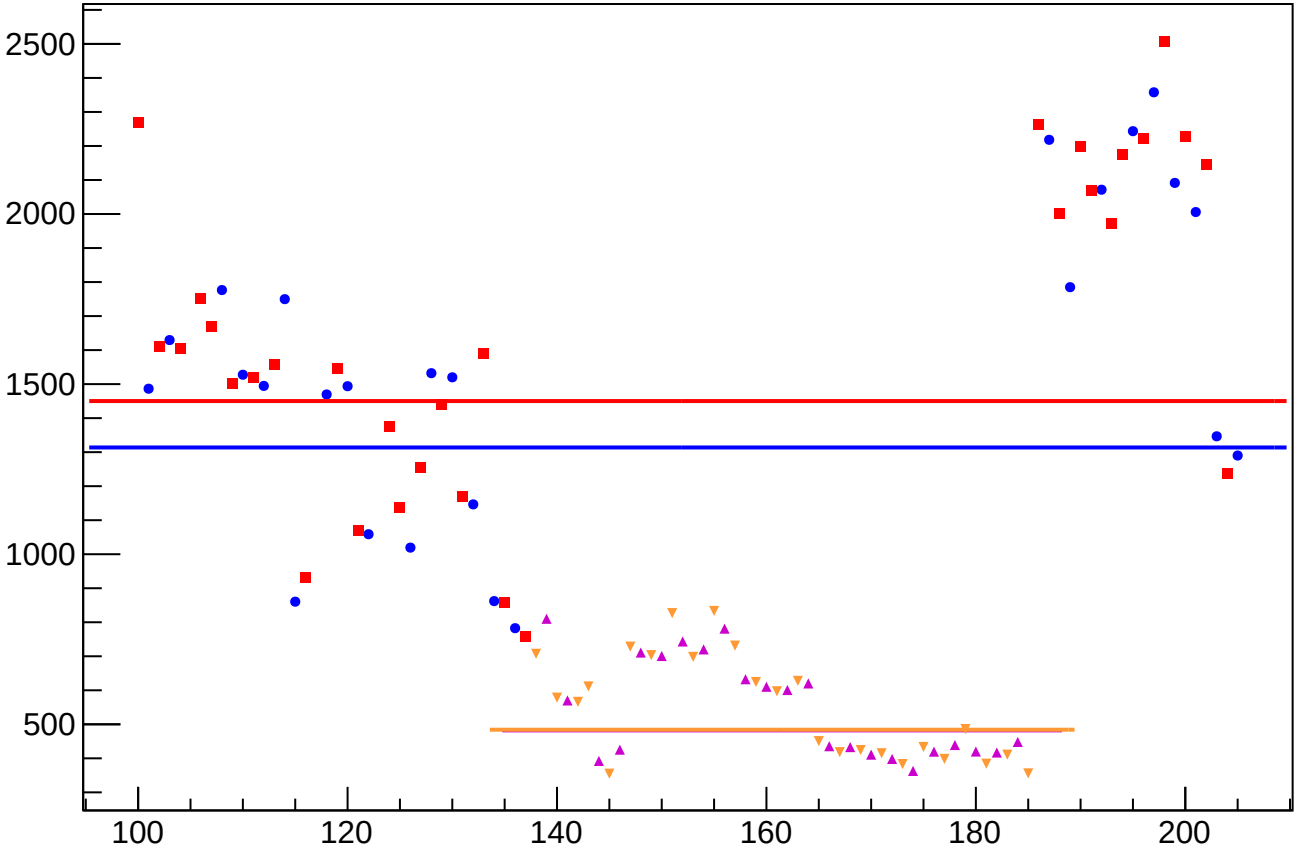
Right: 110.966+/-268.842 χ^2/NDF: 54.5/54

In: 94.930+/-111.341 χ^2/NDF:61.8/47

Out: 360.612+/-109.717 χ^2/NDF:86.9/54

All: 229.723+/-78.150 χ^2/NDF: 151.7/102

asym_sam_3726_avg_rms vs Slug, Sign Corrected



Right In: 1313.764+/-0.263 χ^2/NDF: 2903274.3/24

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

Right Out: 1450.194+/-0.275 χ^2/NDF: 2920534.1/29

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

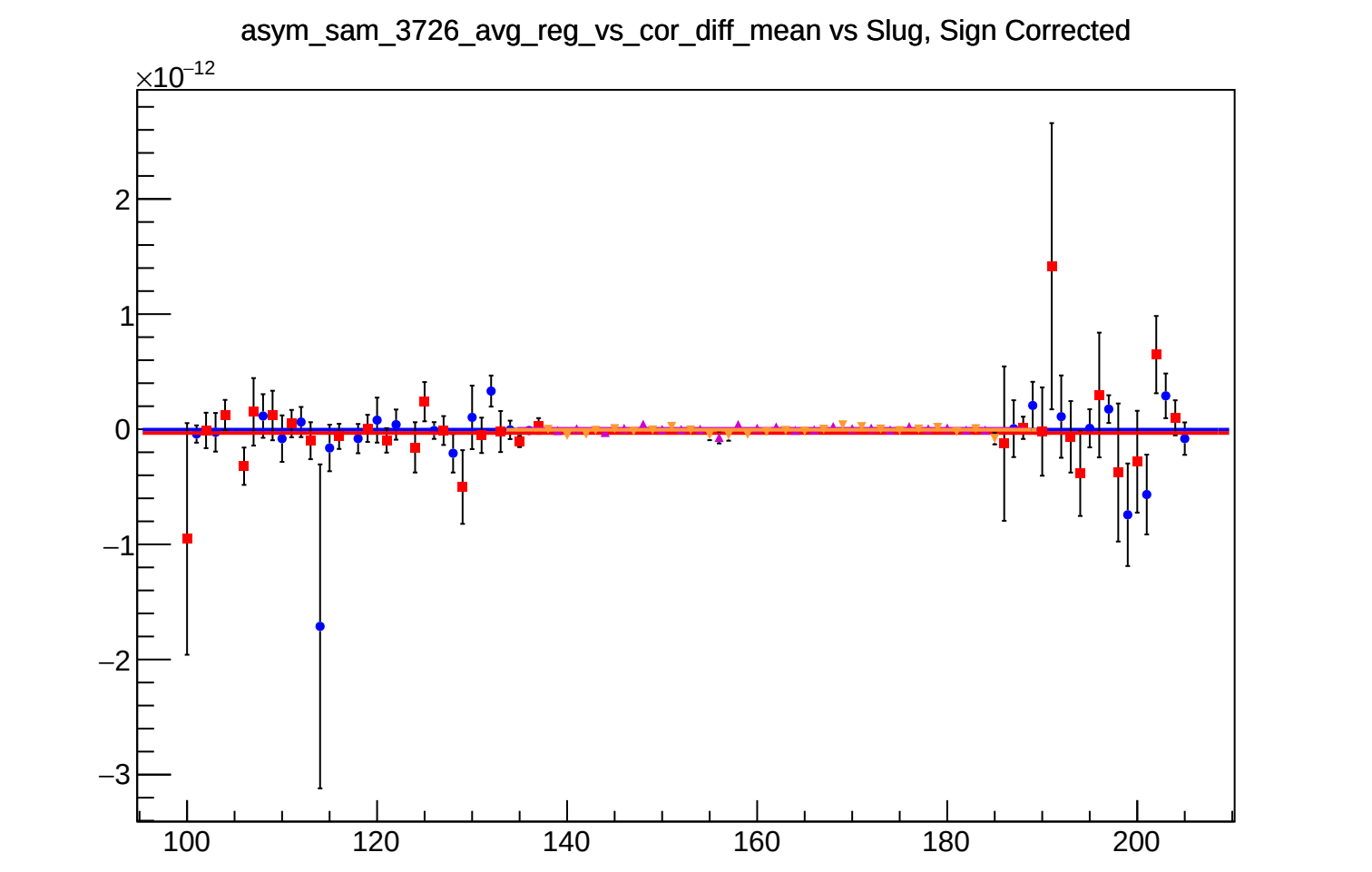
Left: 483.164+/-0.058 χ^2/NDF: 4735459.6/47

Right: 1378.811+/-0.190 χ^2/NDF: 5952295.5/54

In: 556.791+/-0.079 χ^2/NDF:14204162.6/47

Out: 560.842+/-0.078 χ^2/NDF:16804271.4/54

All: 558.846+/-0.055 χ^2/NDF: 31009777.6/10



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

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.1/29

Left In: 0.000+/-0.000 χ^2/NDF:15.0/22

Left: -0.000+/-0.000 χ^2/NDF: 49.2/47

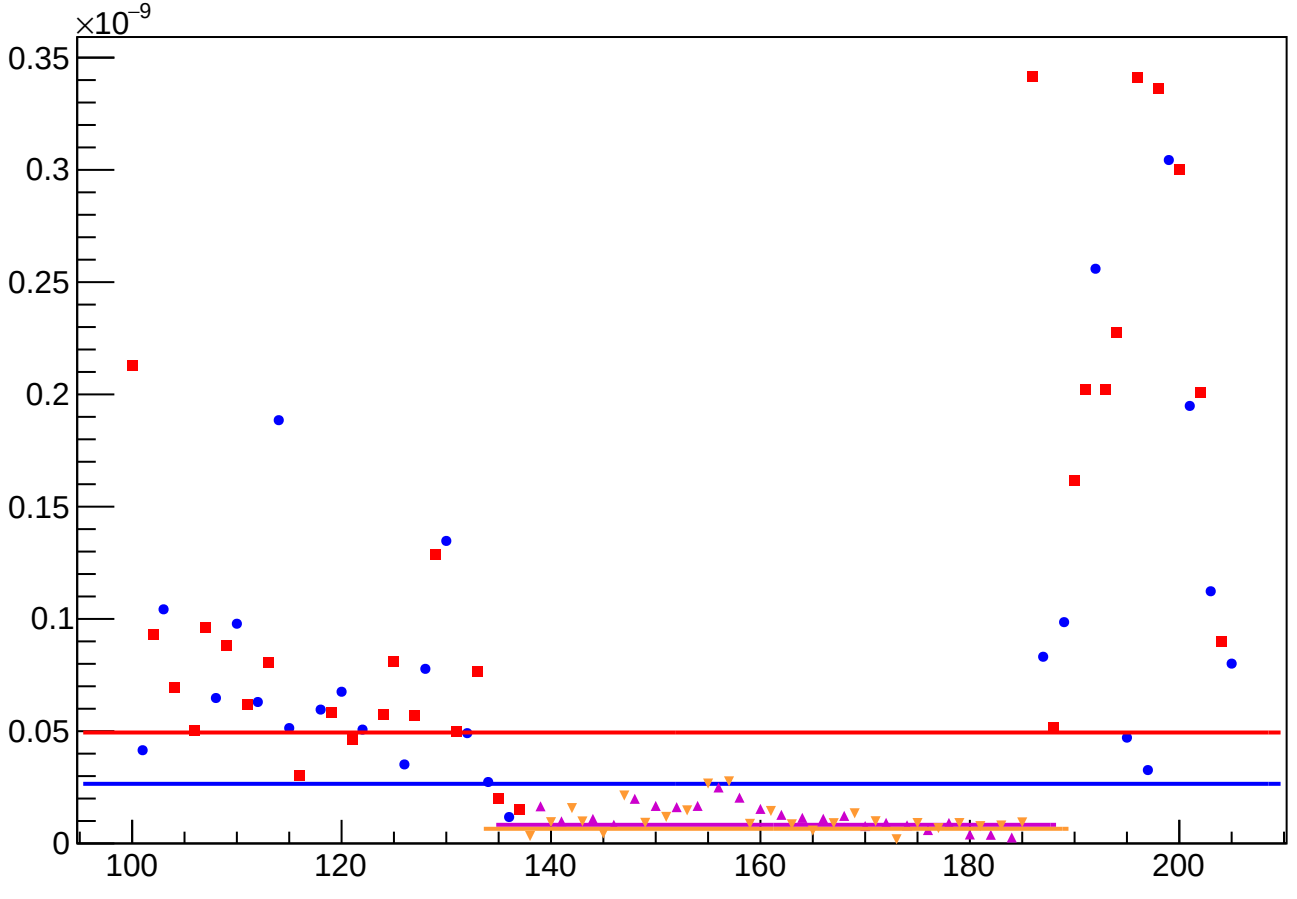
Right: -0.000+/-0.000 χ^2/NDF: 48.1/54

In: 0.000+/-0.000 χ^2/NDF:38.3/47

Out: -0.000+/-0.000 χ^2/NDF:56.3/54

All: -0.000+/-0.000 χ^2/NDF: 98.0/102

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6099707.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5788591.1/29

Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

Left: 0.000+/-0.000 χ^2/NDF: 6795469.8/47

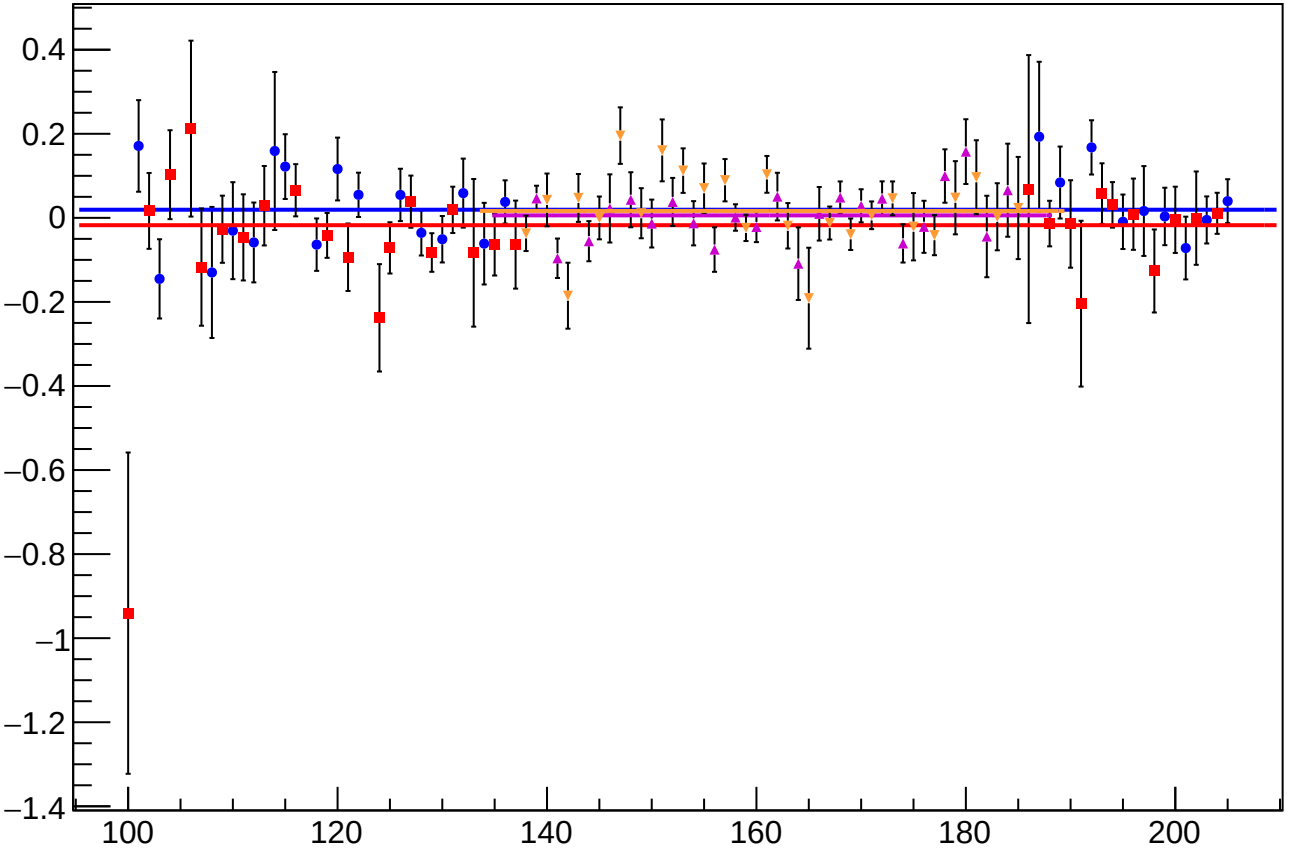
Right: 0.000+/-0.000 χ^2/NDF: 13023428.2/54

In: 0.000+/-0.000 χ^2/NDF:11161668.1/47

Out: 0.000+/-0.000 χ^2/NDF:15184864.4/54

All: 0.000+/-0.000 χ^2/NDF: 26686332.0/102

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

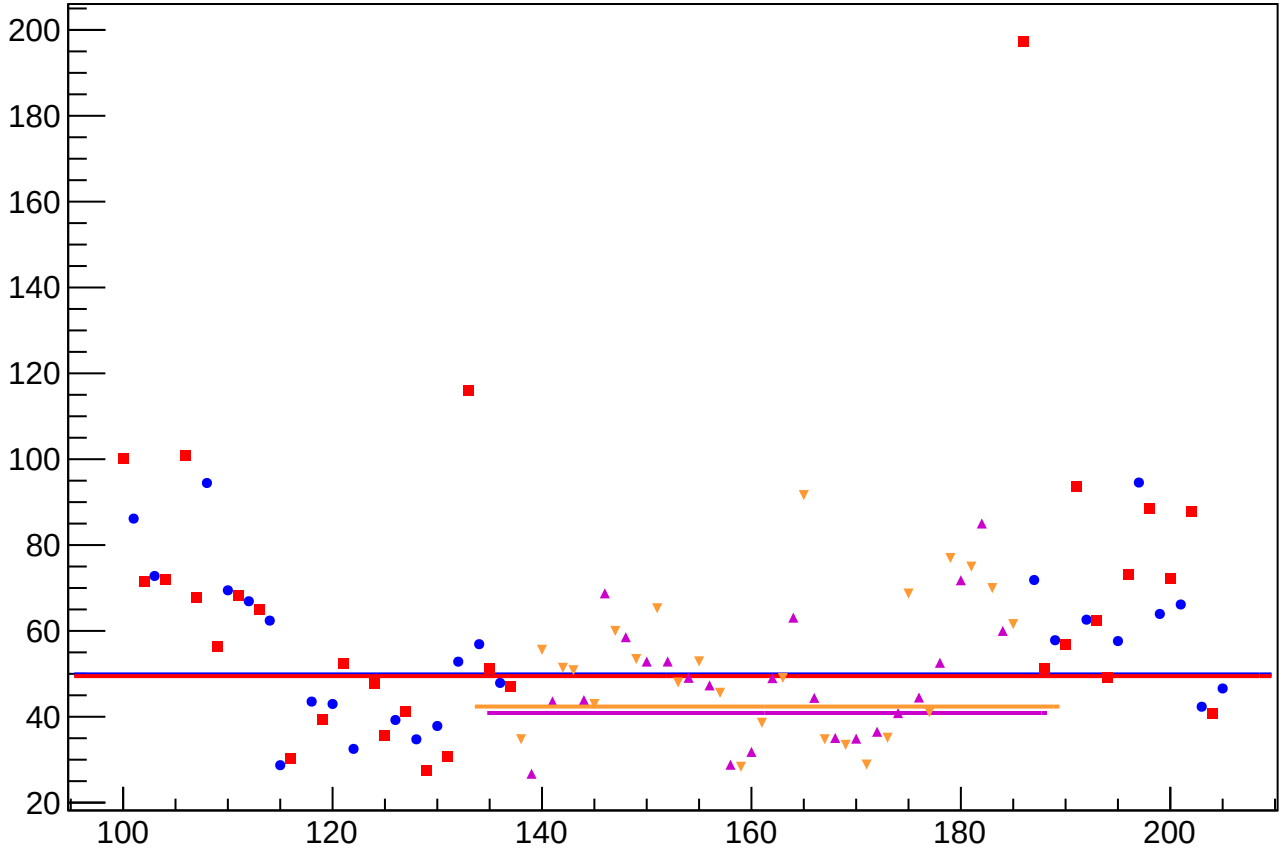
Right: 0.000+/-0.010 χ^2/NDF: 53.8/54

In: 0.010+/-0.008 χ^2/NDF:52.4/47

Out: 0.005+/-0.008 χ^2/NDF:69.4/54

All: 0.007+/-0.006 χ^2/NDF: 122.0/102

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.865+/-0.010 χ^2/NDF: 2094809.7/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465885.9/29

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

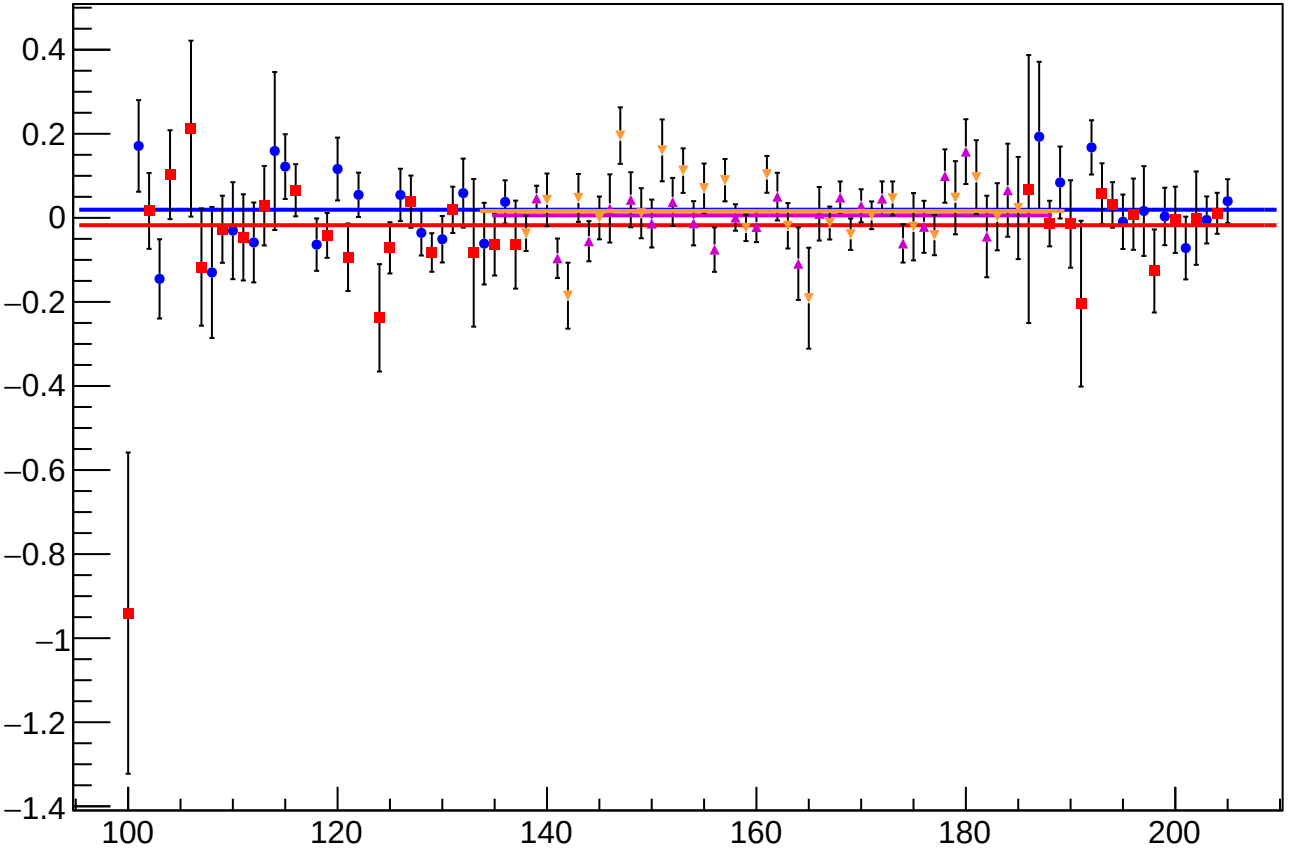
Right: 49.661+/-0.007 χ^2/NDF: 5561477.1/54

In: 43.902+/-0.006 χ^2/NDF:5286764.5/47

Out: 44.858+/-0.006 χ^2/NDF:6985741.2/54

All: 44.382+/-0.004 χ^2/NDF: 12285571.4/102

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

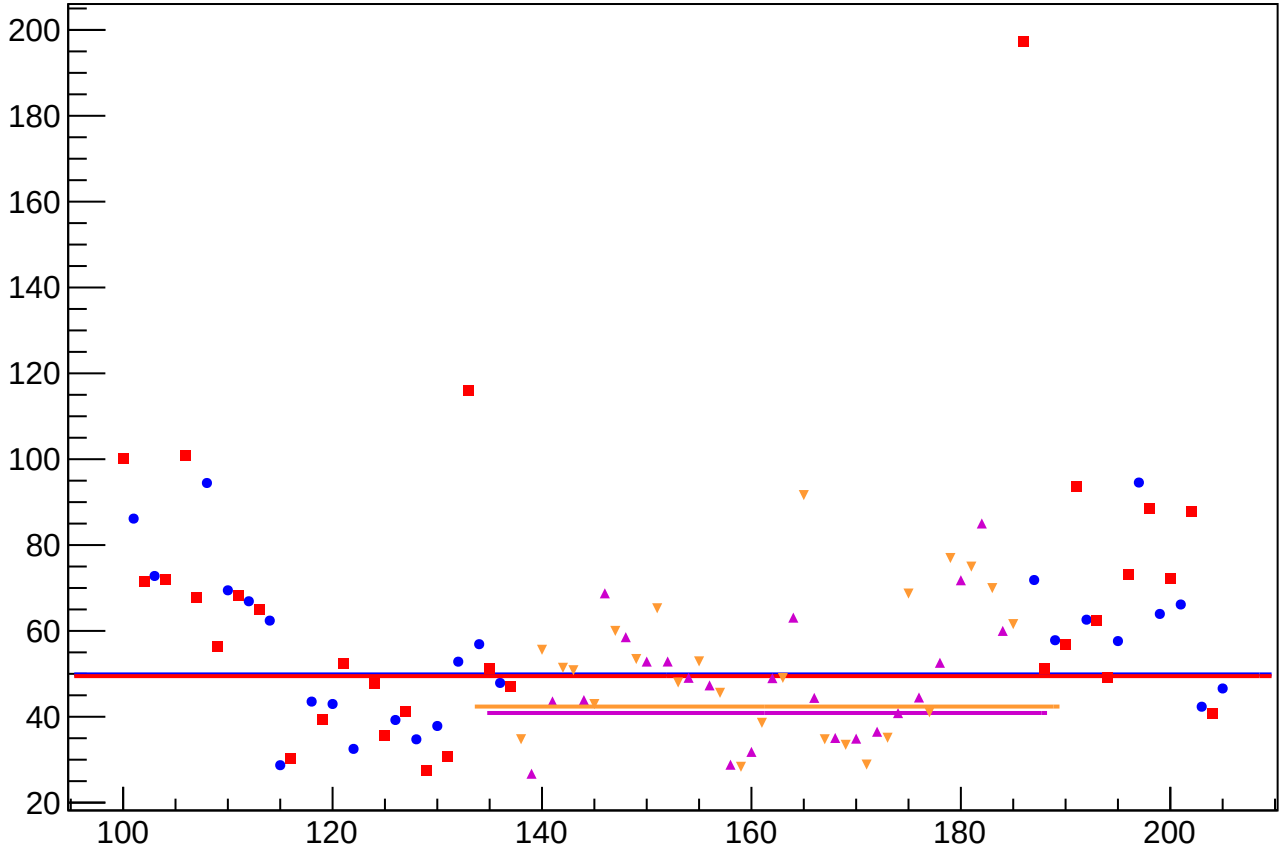
Right: 0.000+/-0.010 χ^2/NDF: 53.8/54

In: 0.010+/-0.008 χ^2/NDF:52.4/47

Out: 0.005+/-0.008 χ^2/NDF:69.4/54

All: 0.007+/-0.006 χ^2/NDF: 122.0/102

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.865+/-0.010 χ^2/NDF: 2094809.7/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465885.9/29

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

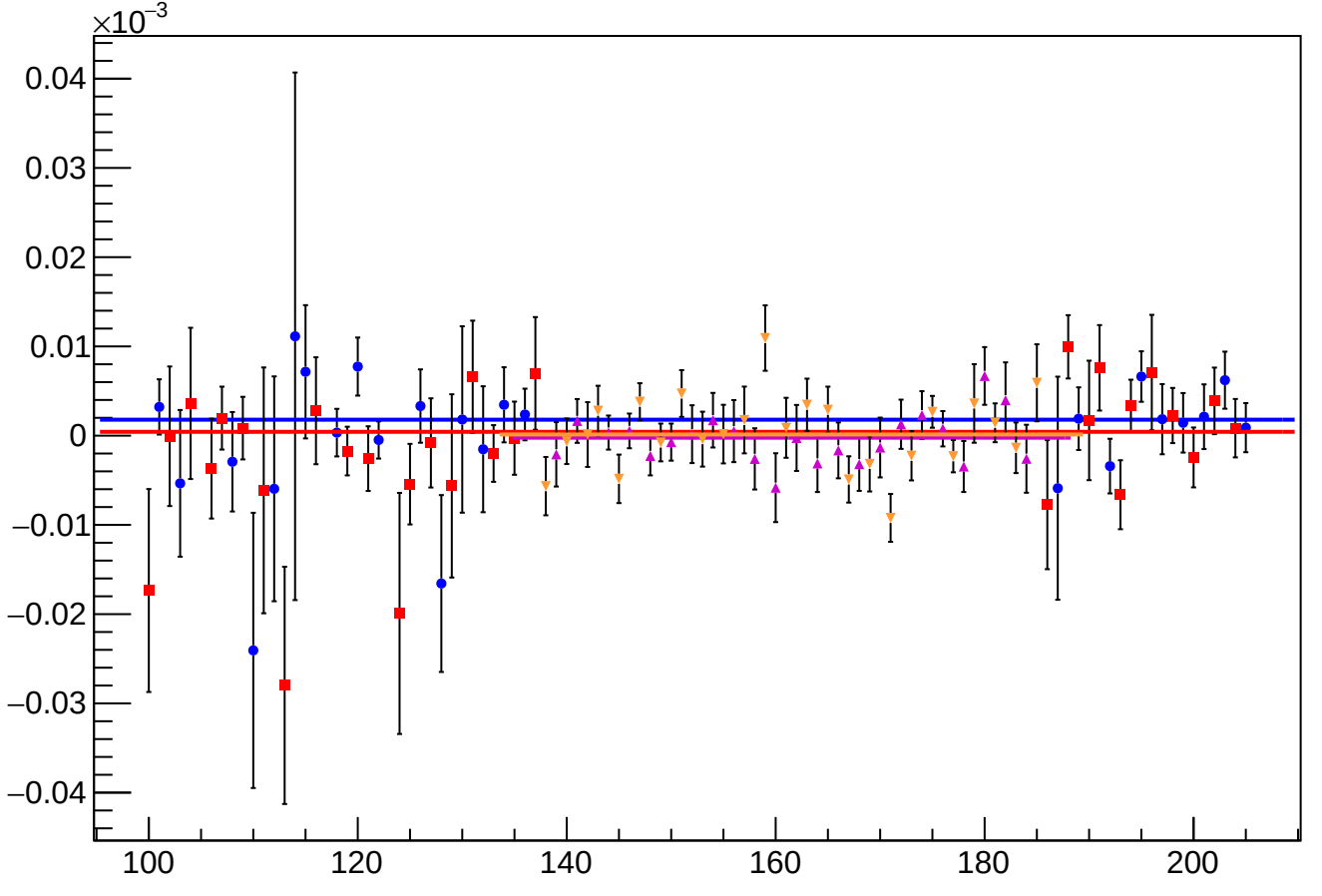
Left: 41.623+/-0.005 χ^2/NDF: 5890281.6/47

Right: 49.661+/-0.007 χ^2/NDF: 5561477.1/54

In: 43.902+/-0.006 χ^2/NDF:5286764.5/47

Out: 44.858+/-0.006 χ^2/NDF:6985741.2/54

All: 44.382+/-0.004 χ^2/NDF: 12285571.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/29

Left In: -0.000+/-0.000 χ^2/NDF:15.8/22

Left: -0.000+/-0.000 χ^2/NDF: 66.0/47

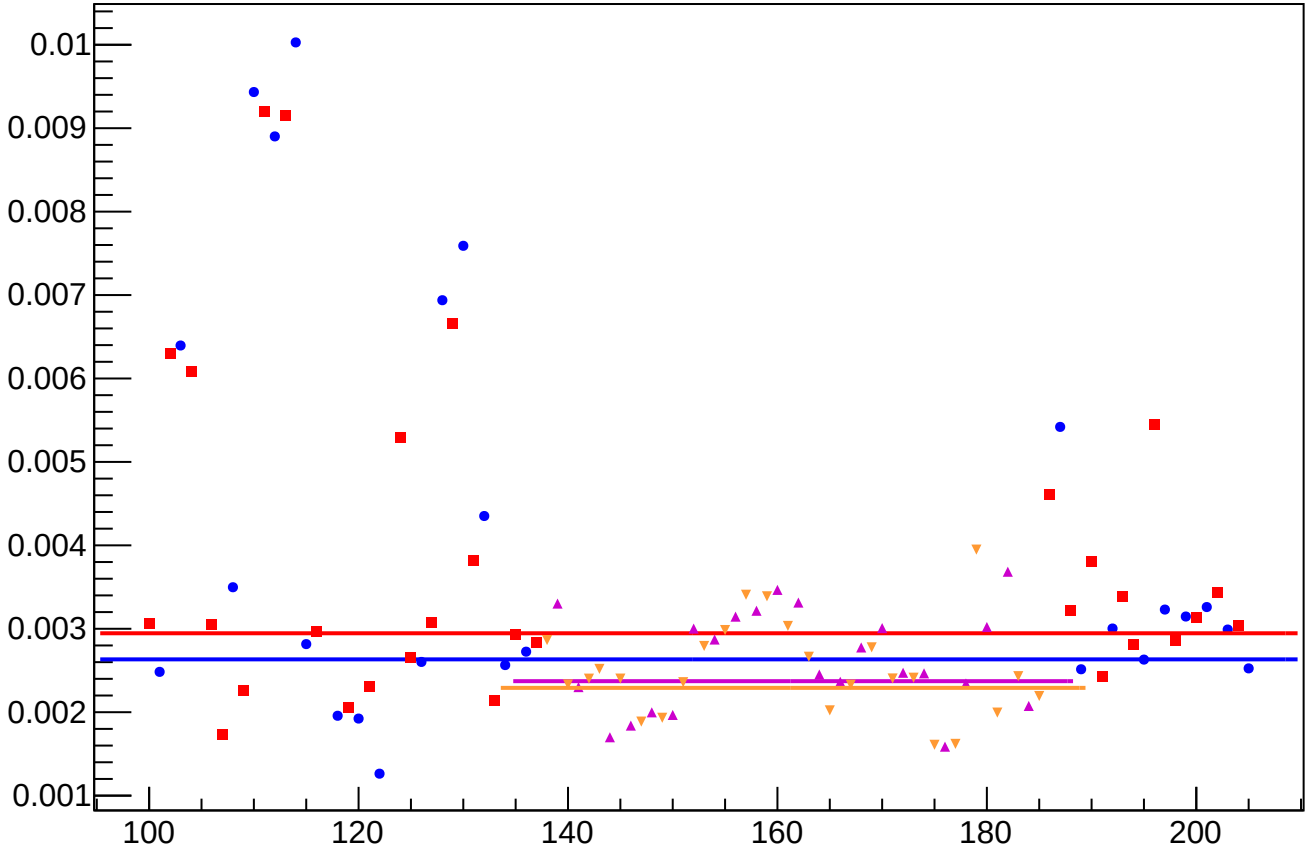
Right: 0.000+/-0.000 χ^2/NDF: 58.7/54

In: 0.000+/-0.000 χ^2/NDF:42.8/47

Out: 0.000+/-0.000 χ^2/NDF:84.8/54

All: 0.000+/-0.000 χ^2/NDF: 127.7/102

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.003+/-0.000 χ^2/NDF: 3831801.6/24

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.003+/-0.000 χ^2/NDF: 3129855.9/29

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

Left: 0.002+/-0.000 χ^2/NDF: 3859926.5/47

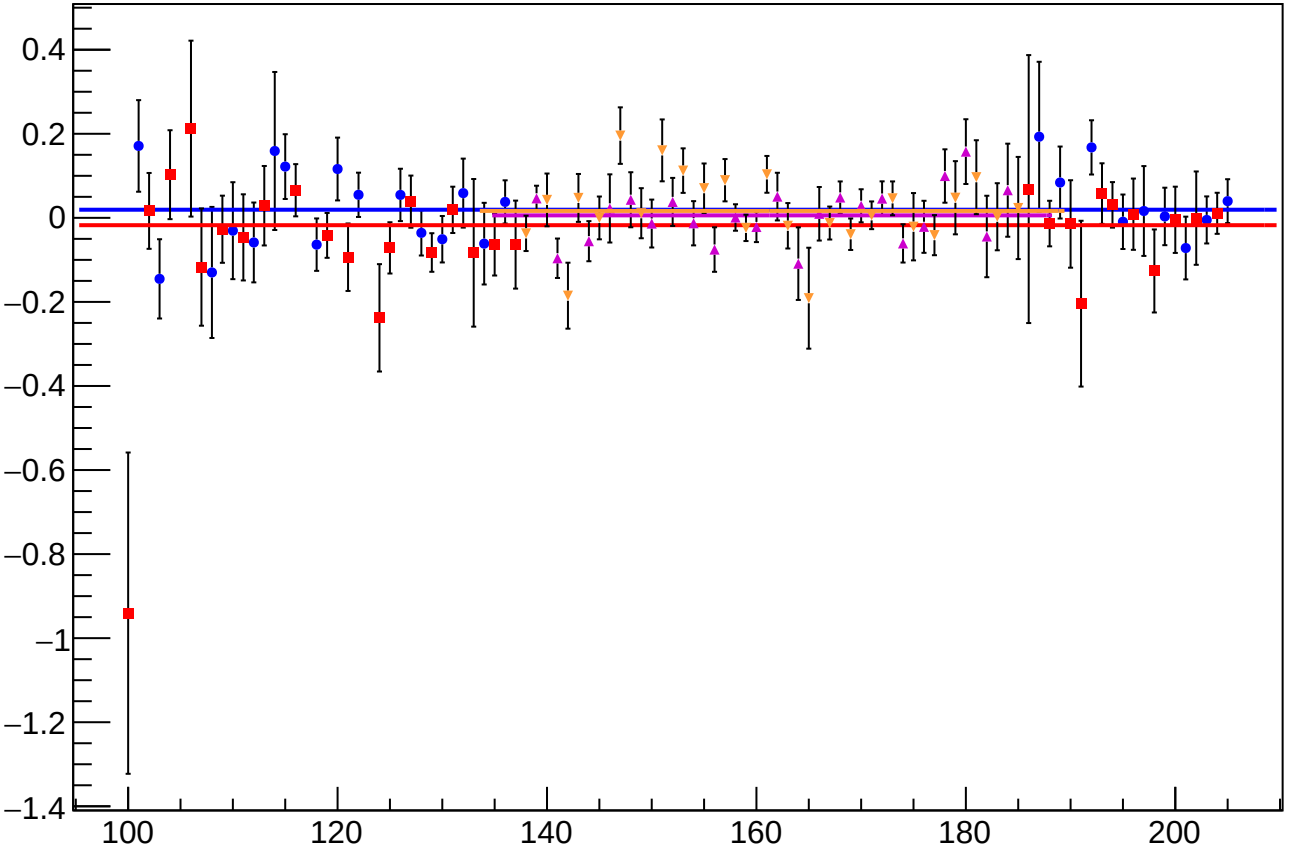
Right: 0.003+/-0.000 χ^2/NDF: 7119081.3/54

In: 0.002+/-0.000 χ^2/NDF:6000390.9/47

Out: 0.002+/-0.000 χ^2/NDF:5856503.9/54

All: 0.002+/-0.000 χ^2/NDF: 11859938.9/102

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

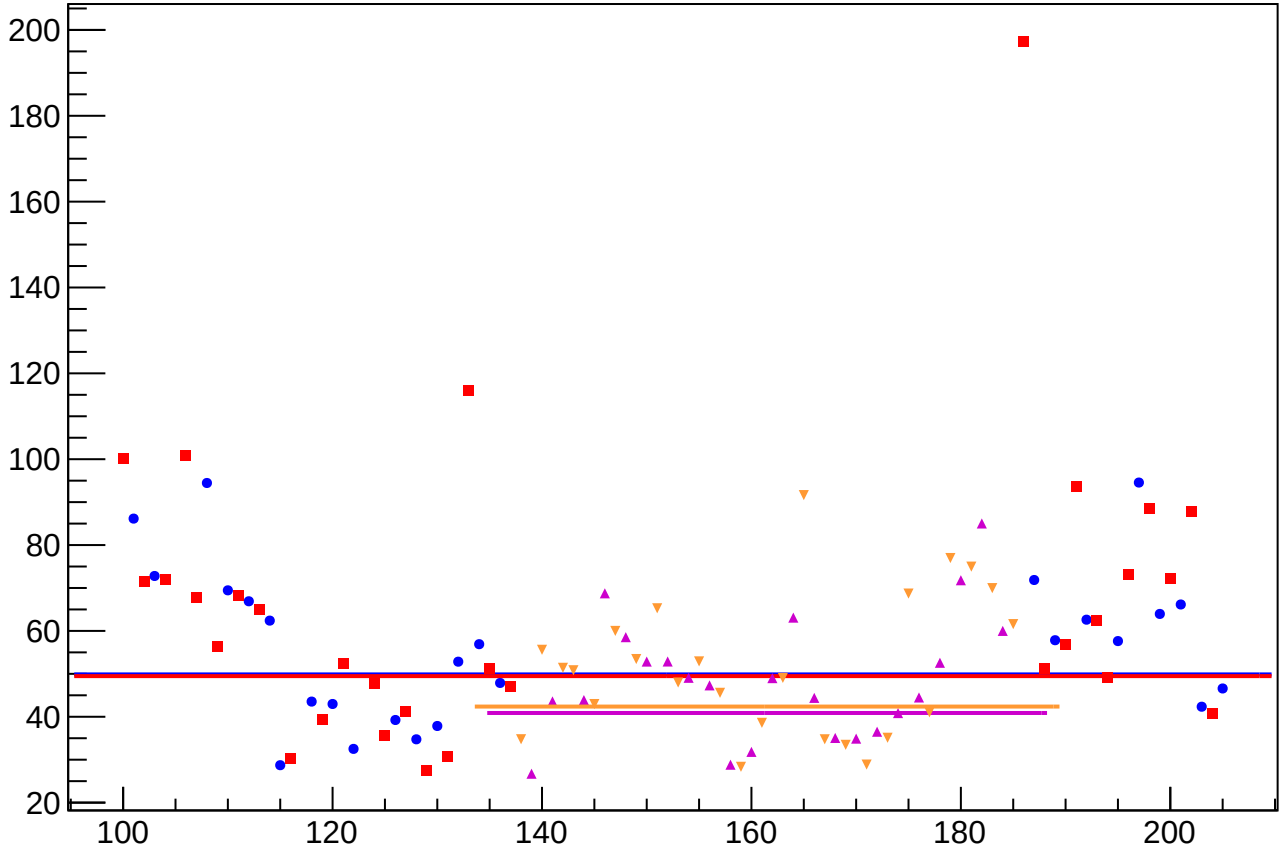
Right: 0.000+/-0.010 χ^2/NDF: 53.8/54

In: 0.010+/-0.008 χ^2/NDF:52.4/47

Out: 0.005+/-0.008 χ^2/NDF:69.4/54

All: 0.007+/-0.006 χ^2/NDF: 122.0/102

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.865+/-0.010 χ^2/NDF: 2094764.3/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465790.0/29

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

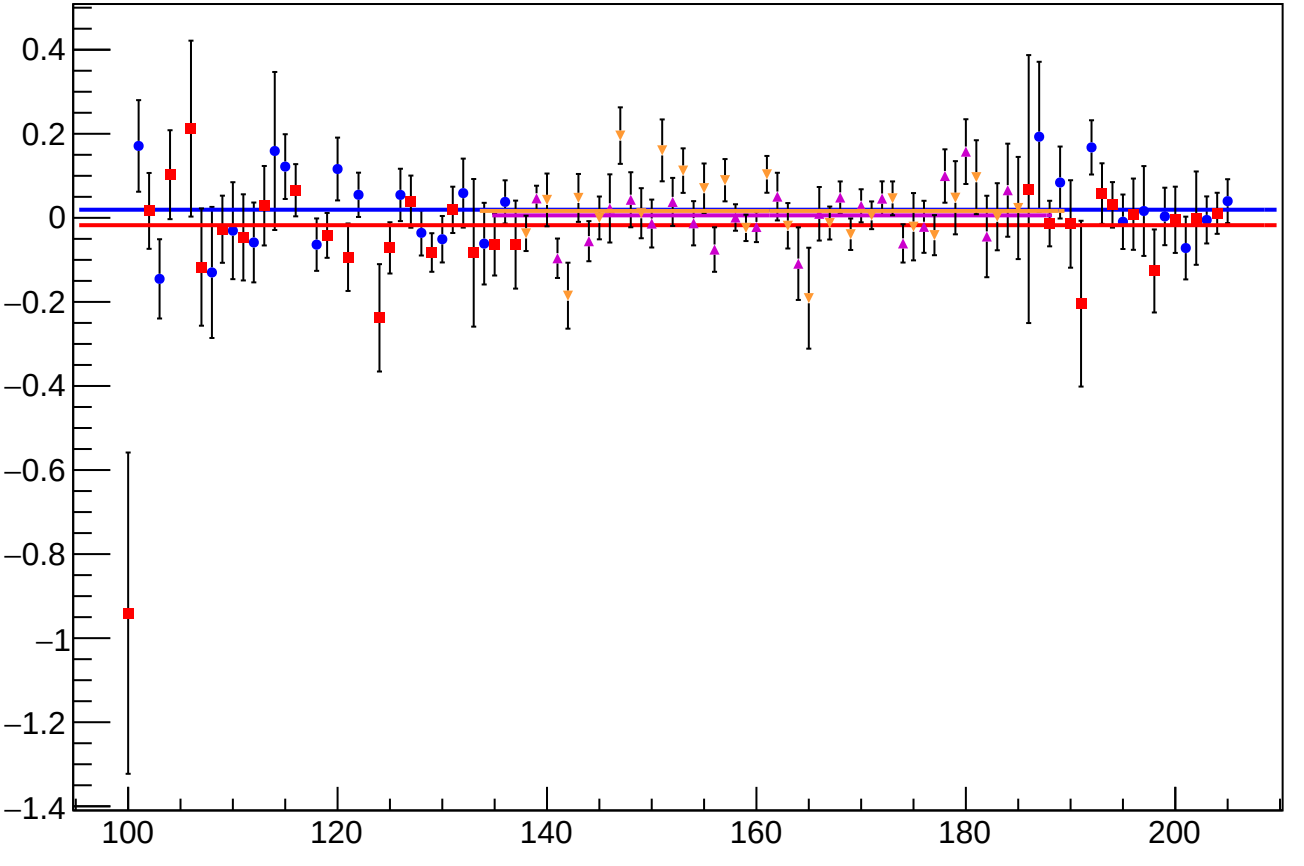
Right: 49.661+/-0.007 χ^2/NDF: 5561334.7/54

In: 43.903+/-0.006 χ^2/NDF:5286690.3/47

Out: 44.858+/-0.006 χ^2/NDF:6985662.9/54

All: 44.382+/-0.004 χ^2/NDF: 12285419.5/102

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.017+/-0.014 χ^2/NDF: 24.5/29

Left In: 0.006+/-0.010 χ^2/NDF:26.0/22

Left: 0.011+/-0.007 χ^2/NDF: 67.5/47

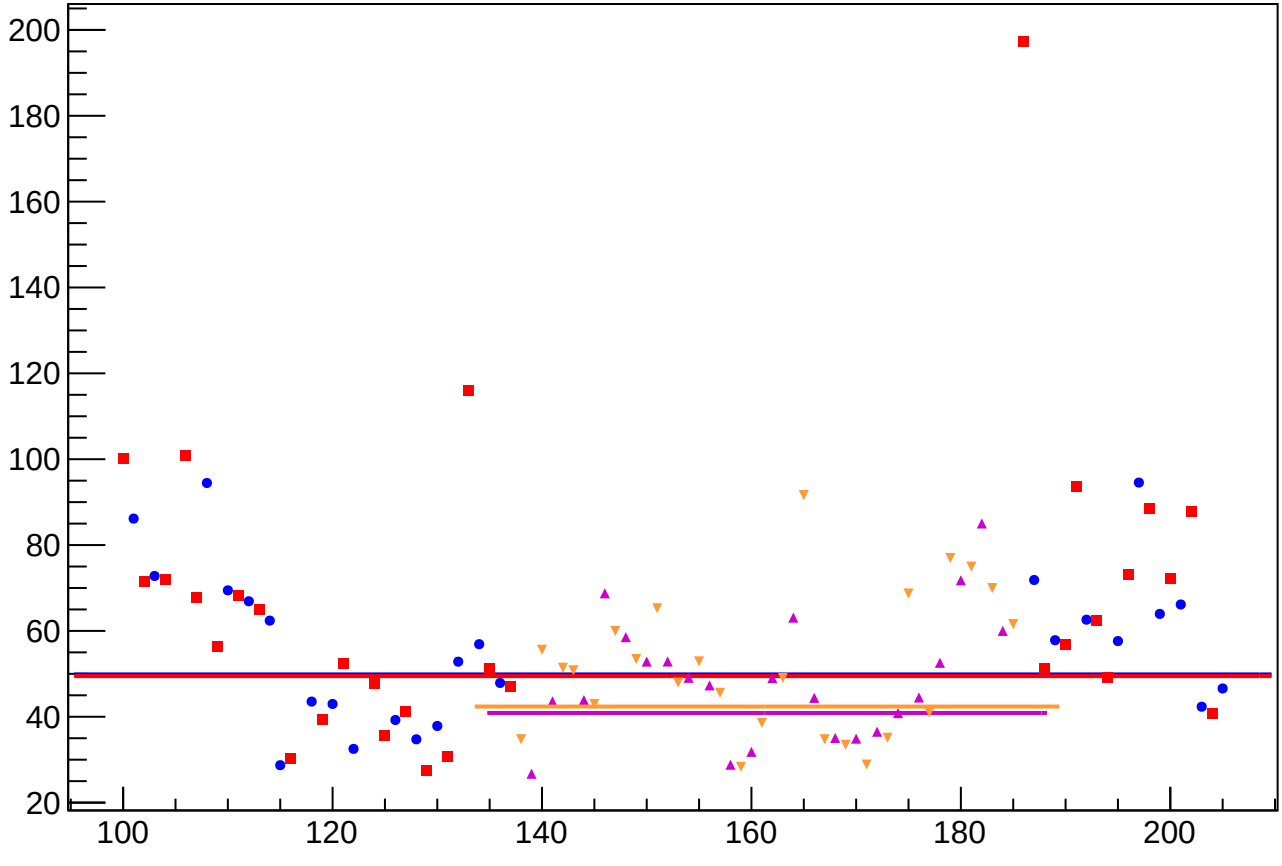
Right: 0.000+/-0.010 χ^2/NDF: 53.8/54

In: 0.010+/-0.008 χ^2/NDF:52.4/47

Out: 0.005+/-0.008 χ^2/NDF:69.4/54

All: 0.007+/-0.006 χ^2/NDF: 122.0/102

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 49.865+/-0.010 χ^2/NDF: 2094764.3/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 49.466+/-0.010 χ^2/NDF: 3465790.0/29

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

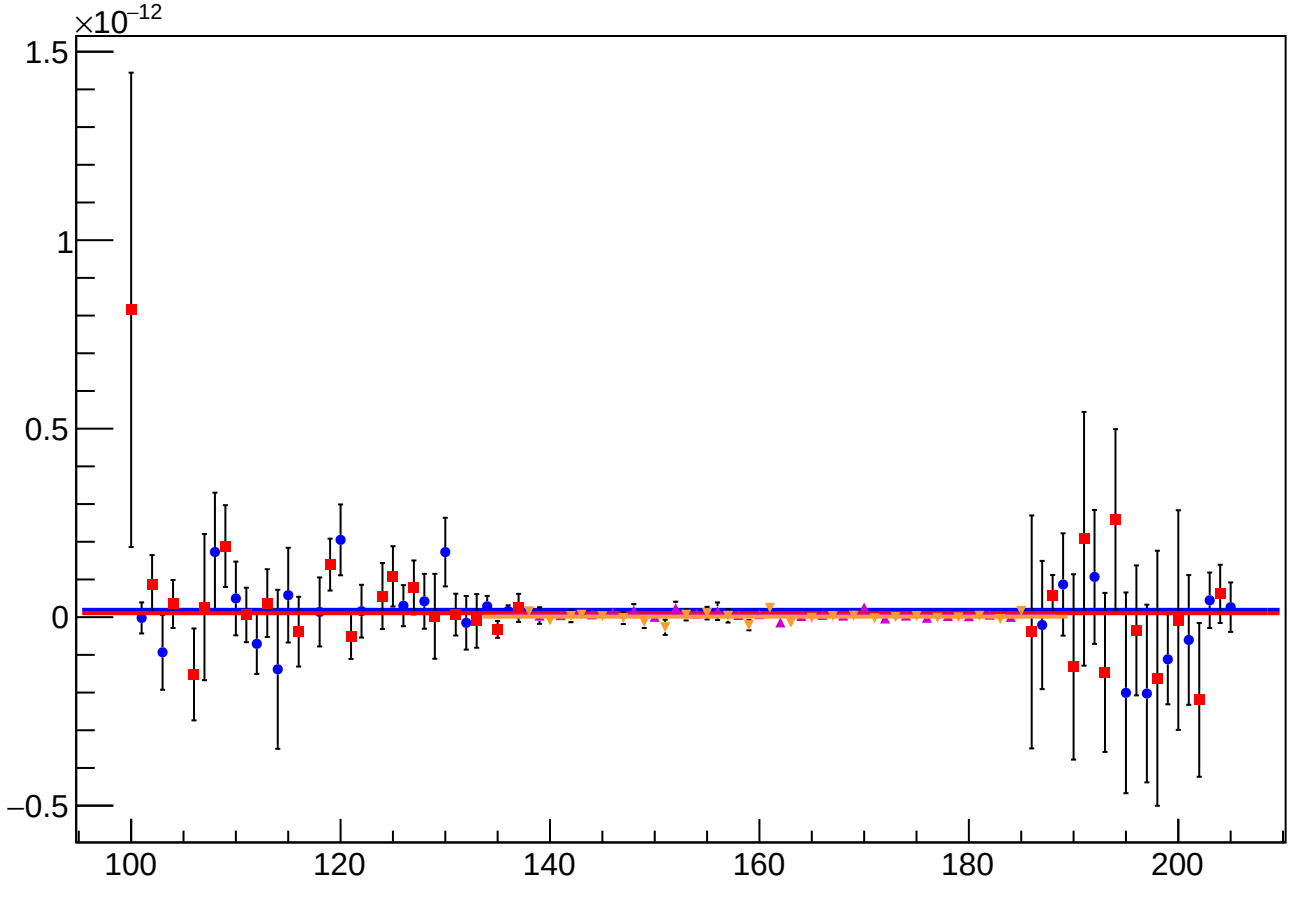
Left: 41.623+/-0.005 χ^2/NDF: 5890324.4/47

Right: 49.661+/-0.007 χ^2/NDF: 5561334.7/54

In: 43.903+/-0.006 χ^2/NDF:5286690.3/47

Out: 44.858+/-0.006 χ^2/NDF:6985662.9/54

All: 44.382+/-0.004 χ^2/NDF: 12285419.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 15.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 23.9/29

Left In: 0.000+/-0.000 χ^2/NDF:13.2/22

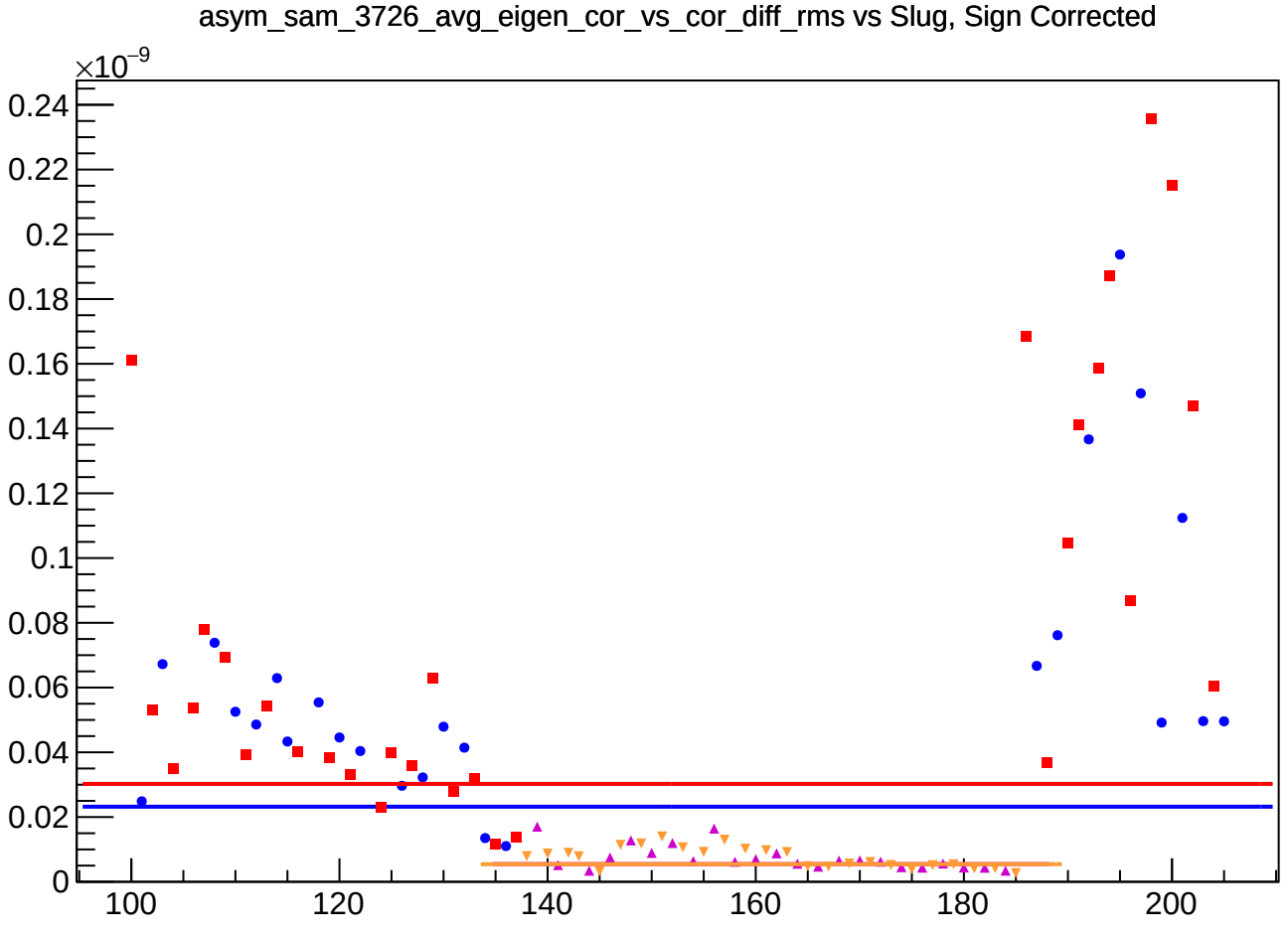
Left: 0.000+/-0.000 χ^2/NDF: 35.1/47

Right: 0.000+/-0.000 χ^2/NDF: 39.7/54

In: 0.000+/-0.000 χ^2/NDF:30.4/47

Out: 0.000+/-0.000 χ^2/NDF:44.0/54

All: 0.000+/-0.000 χ^2/NDF: 77.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 7316296.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8095555.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

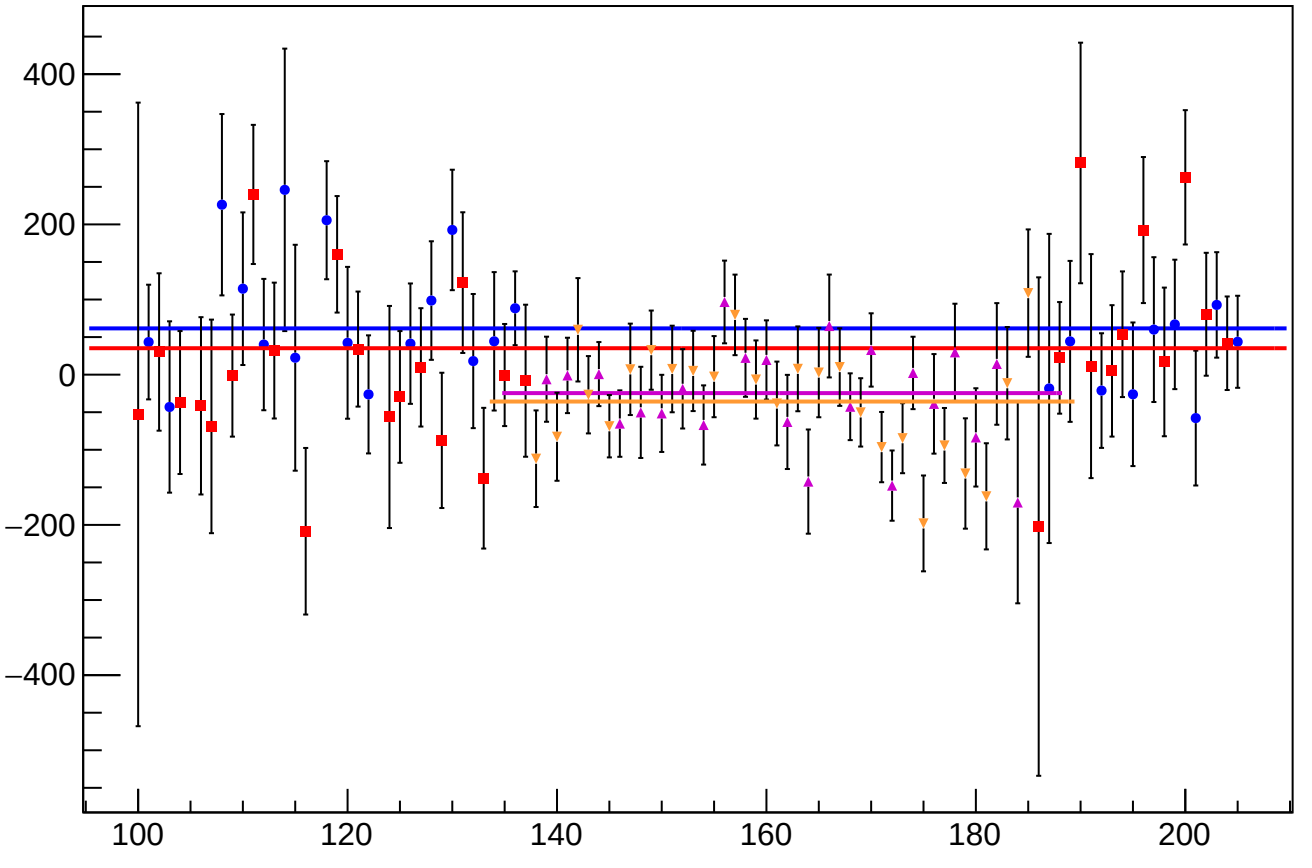
Left: 0.000+/-0.000 χ^2/NDF: 6590870.1/47

Right: 0.000+/-0.000 χ^2/NDF: 15763257.2/54

In: 0.000+/-0.000 χ^2/NDF:15420638.4/47

Out: 0.000+/-0.000 χ^2/NDF:19108563.0/54

All: 0.000+/-0.000 χ^2/NDF: 34531098.9/102



Right In: 61.586+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: 35.186+/-17.079 χ^2/NDF: 34.3/29

Left In: -24.572+/-11.471 χ^2/NDF:25.7/22

Left: -30.354+/-7.984 χ^2/NDF: 59.9/47

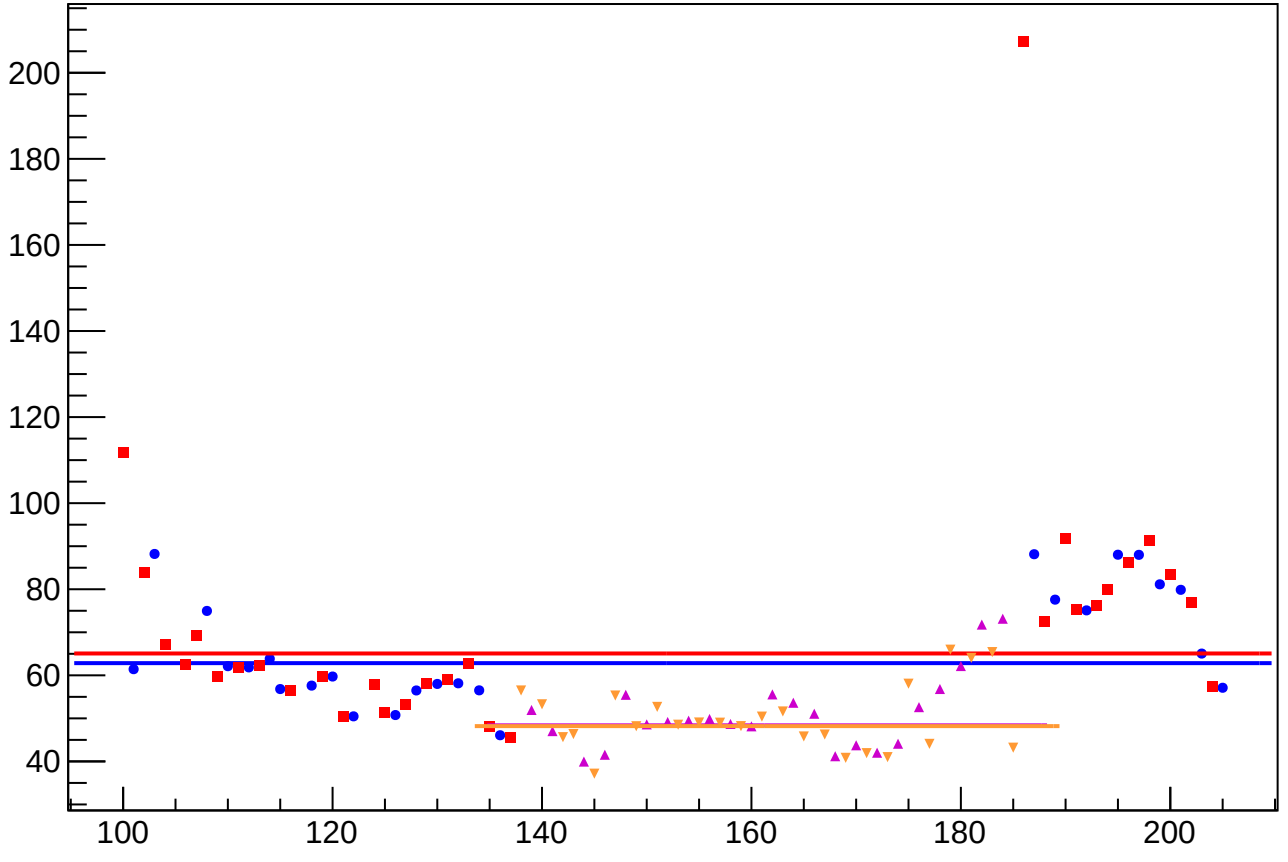
Right: 48.324+/-12.105 χ^2/NDF: 52.0/54

In: 2.040+/-9.536 χ^2/NDF:59.7/47

Out: -14.658+/-9.318 χ^2/NDF:80.1/54

All: -6.502+/-6.665 χ^2/NDF: 141.4/102

reg_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.833+/-0.012 χ^2/NDF: 1073546.4/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.078+/-0.012 χ^2/NDF: 1458444.4/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

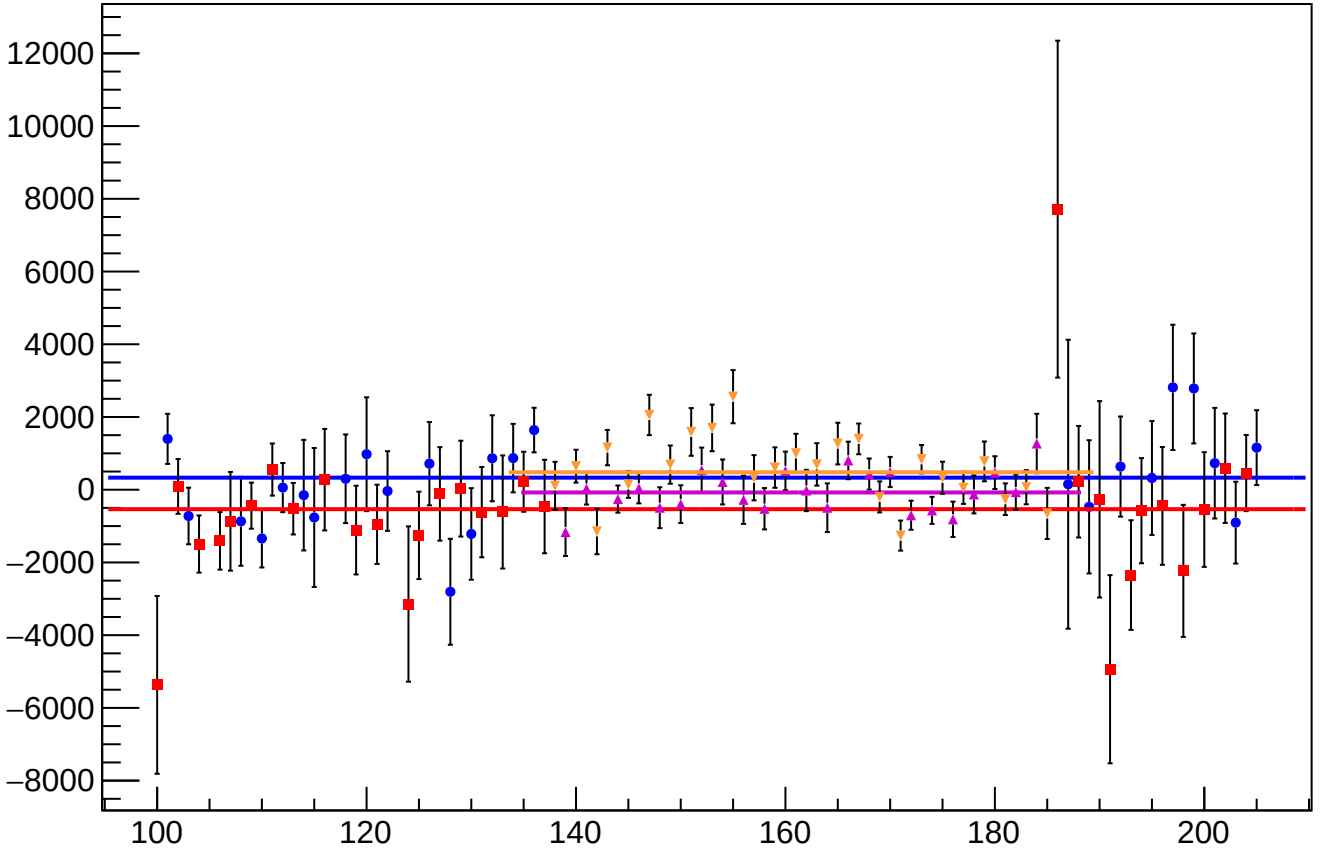
Right: 63.960+/-0.009 χ^2/NDF: 2549186.3/54

In: 52.844+/-0.007 χ^2/NDF:2749489.4/47

Out: 53.223+/-0.007 χ^2/NDF:3610719.9/54

All: 53.038+/-0.005 χ^2/NDF: 6361823.2/102

asym_sam_15_48_dd_reg_correction_mean vs Slug, Sign Corrected



Right In: 331.727+/-216.051 χ^2/NDF: 28.7/24

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: -535.036+/-206.357 χ^2/NDF: 23.5/29

Left In: -75.662+/-103.128 χ^2/NDF:24.5/22

Left: 209.379+/-71.985 χ^2/NDF: 108.6/47

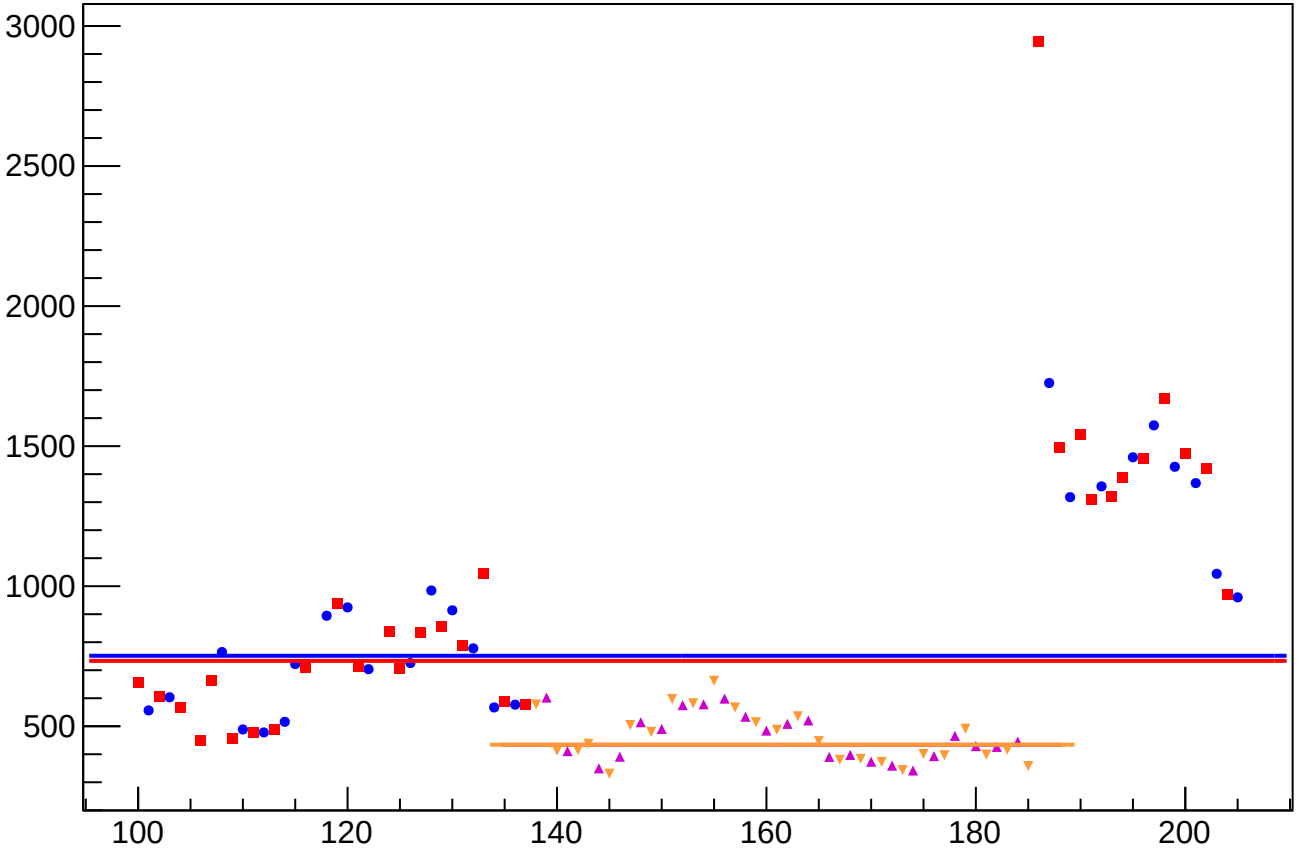
Right: -121.534+/-149.226 χ^2/NDF: 60.6/54

In: -0.064+/-93.069 χ^2/NDF:56.1/47

Out: 285.496+/-90.373 χ^2/NDF:112.3/54

All: 146.912+/-64.835 χ^2/NDF: 173.2/102

asym_sam_15_48_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 751.610+/-0.153 χ^2/NDF: 3715598.2/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 733.437+/-0.146 χ^2/NDF: 5389698.5/29

Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

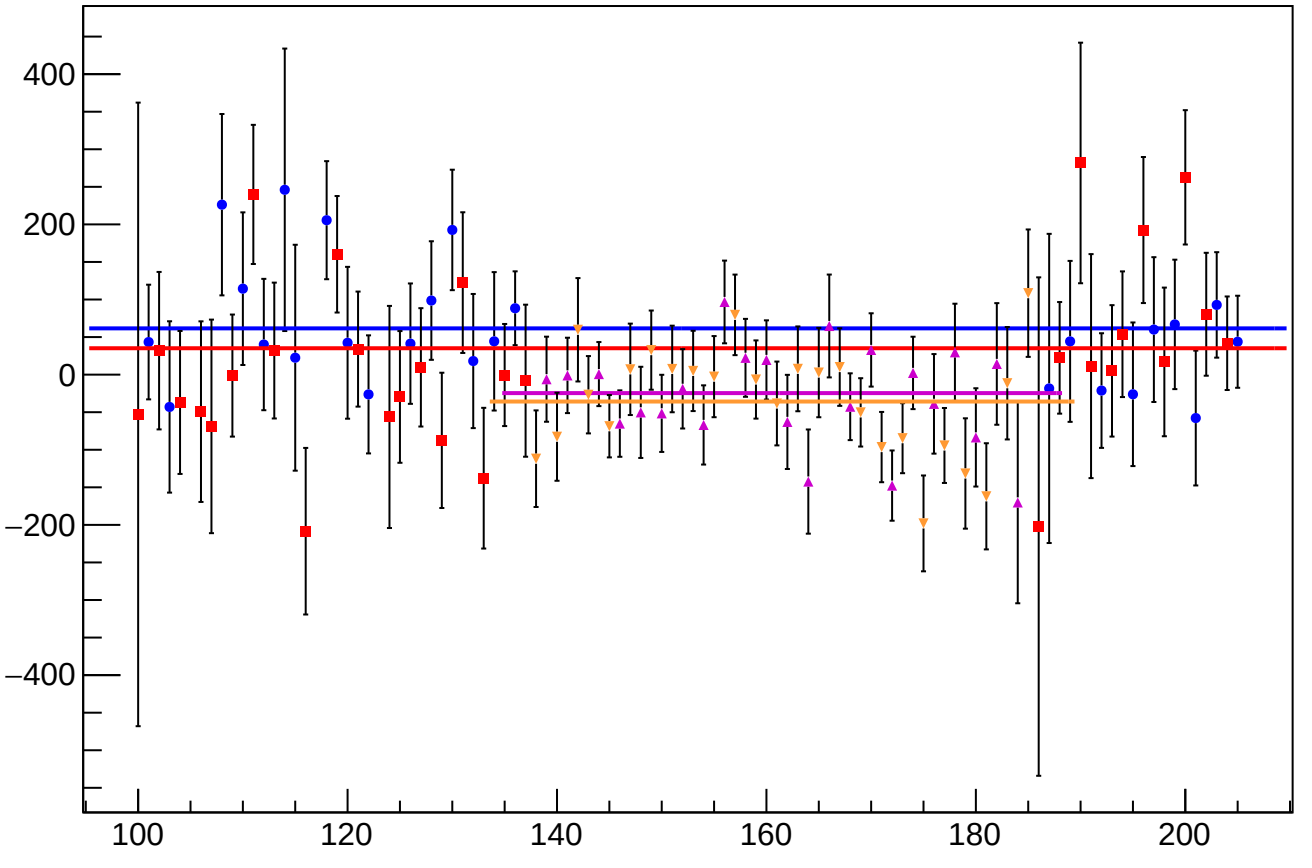
Left: 433.836+/-0.051 χ^2/NDF: 2338498.1/47

Right: 742.106+/-0.106 χ^2/NDF: 9112696.7/54

In: 492.711+/-0.066 χ^2/NDF:8336720.4/47

Out: 491.386+/-0.064 χ^2/NDF:10038119.9/54

All: 492.029+/-0.046 χ^2/NDF: 18375049.0/10



Right In: 61.590+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 35.134+/-17.085 χ^2/NDF: 34.3/29

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

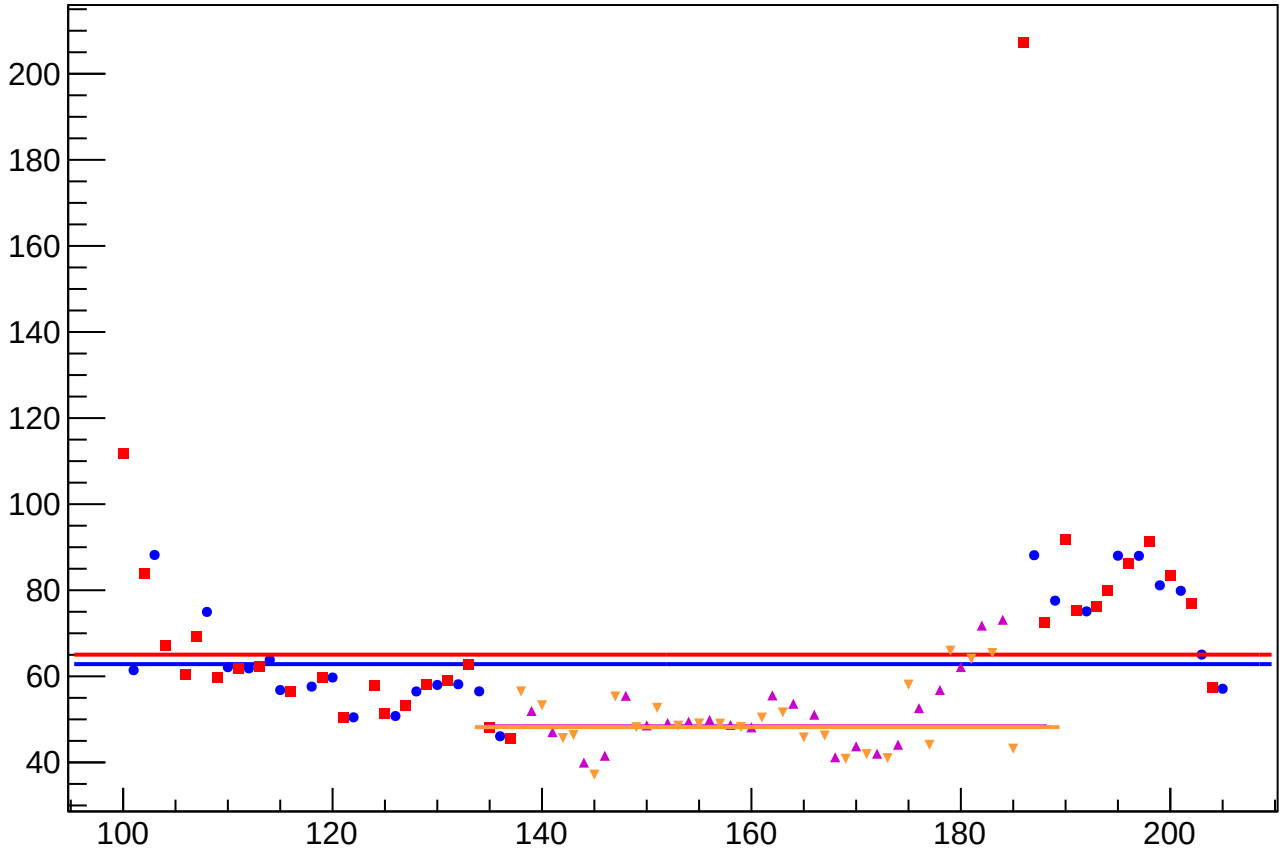
Right: 48.305+/-12.107 χ^2/NDF: 52.1/54

In: 2.041+/-9.536 χ^2/NDF:59.7/47

Out: -14.689+/-9.320 χ^2/NDF:80.1/54

All: -6.517+/-6.665 χ^2/NDF: 141.4/102

cor_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 62.833+/-0.012 χ^2/NDF: 1073549.7/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.039+/-0.012 χ^2/NDF: 1460646.7/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

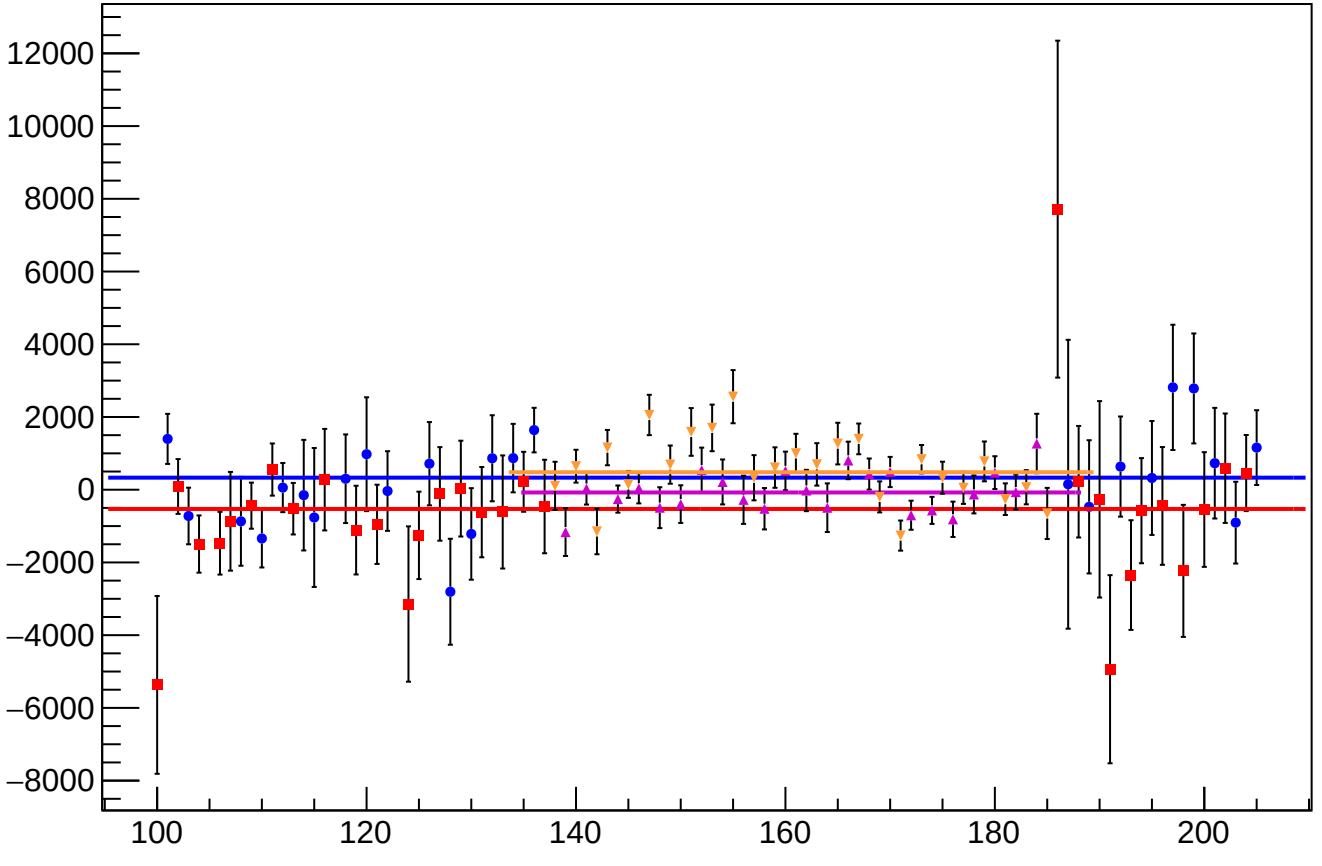
Right: 63.941+/-0.009 χ^2/NDF: 2550797.5/54

In: 52.845+/-0.007 χ^2/NDF:2749493.3/47

Out: 53.209+/-0.007 χ^2/NDF:3605884.7/54

All: 53.031+/-0.005 χ^2/NDF: 6356872.3/102

asym_sam_15_48_dd_cor_correction_mean vs Slug, Sign Corrected



Right In: 331.758+/-216.052 χ^2/NDF: 28.7/24

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -529.457+/-207.487 χ^2/NDF: 23.4/29

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

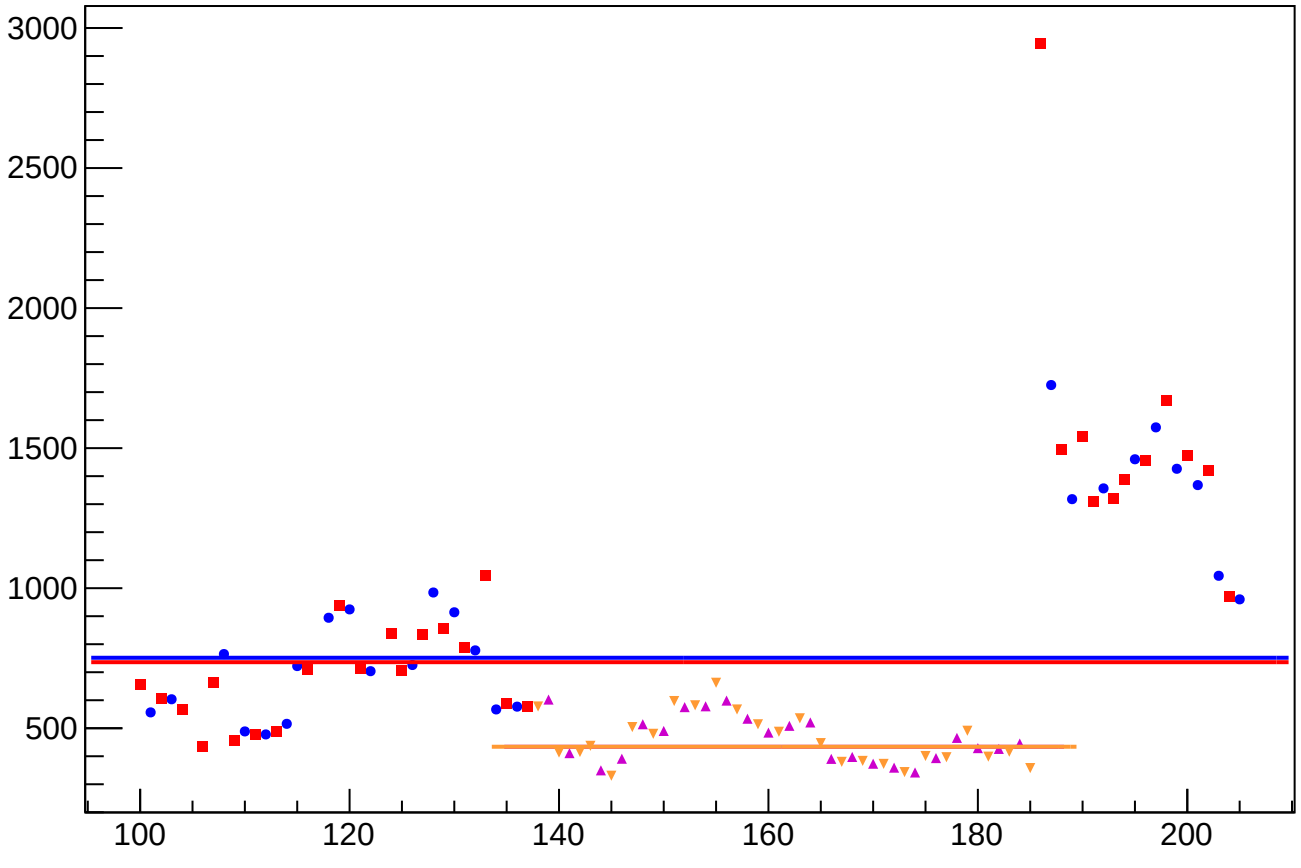
Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

Right: -116.258+/-149.652 χ^2/NDF: 60.4/54

In: -0.062+/-93.069 χ^2/NDF:56.1/47

Out: 288.266+/-90.467 χ^2/NDF:111.8/54

All: 148.189+/-64.870 χ^2/NDF: 172.8/102



Right In: 751.615+/-0.153 χ^2/NDF: 3715542.9/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 735.823+/-0.147 χ^2/NDF: 5368459.0/29

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

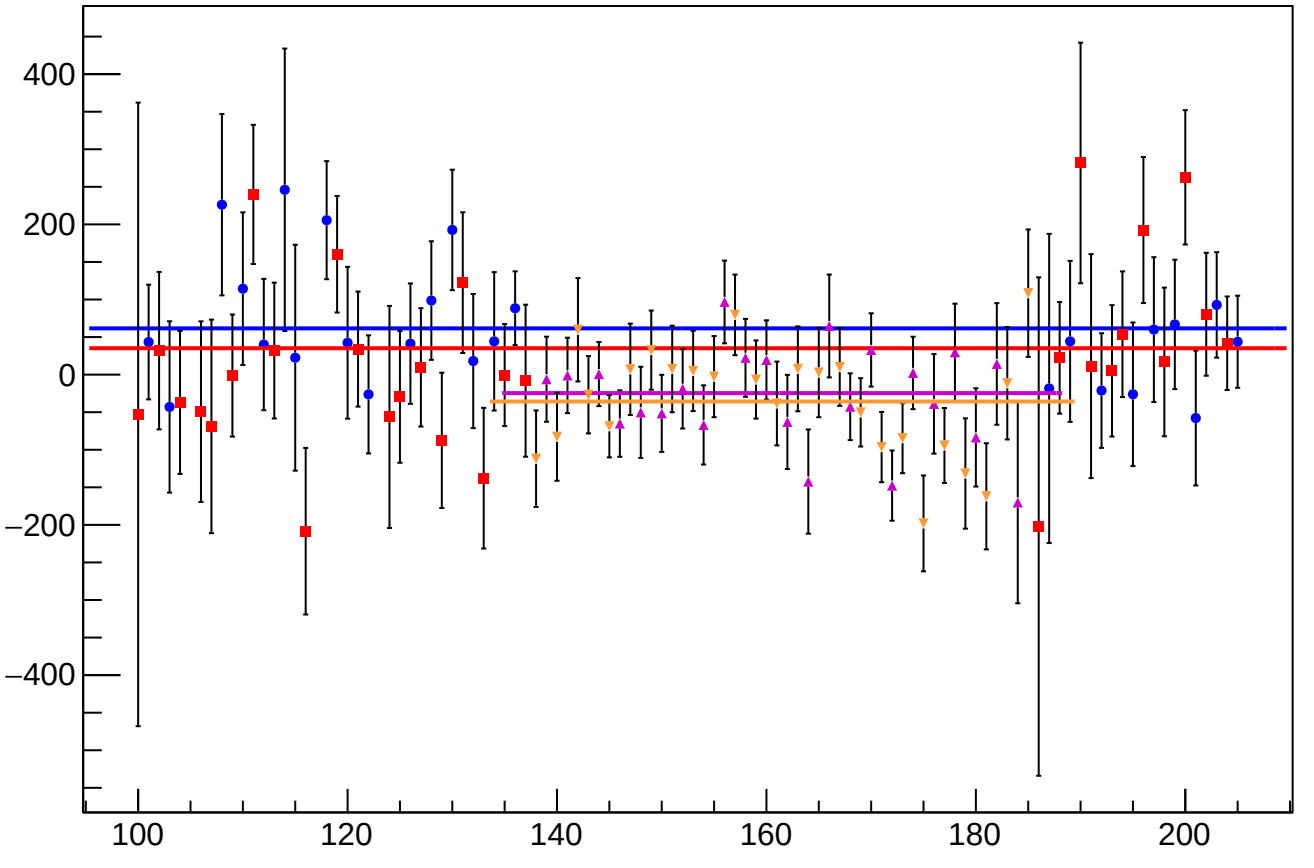
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 743.400+/-0.106 χ^2/NDF: 9089560.7/54

In: 492.712+/-0.066 χ^2/NDF:8336744.1/47

Out: 491.334+/-0.064 χ^2/NDF:10040921.5/54

All: 492.003+/-0.046 χ^2/NDF: 18377890.8/10



Right In: 61.590+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: 35.134+/-17.085 χ^2/NDF: 34.3/29

Left In: -24.573+/-11.471 χ^2/NDF:25.7/22

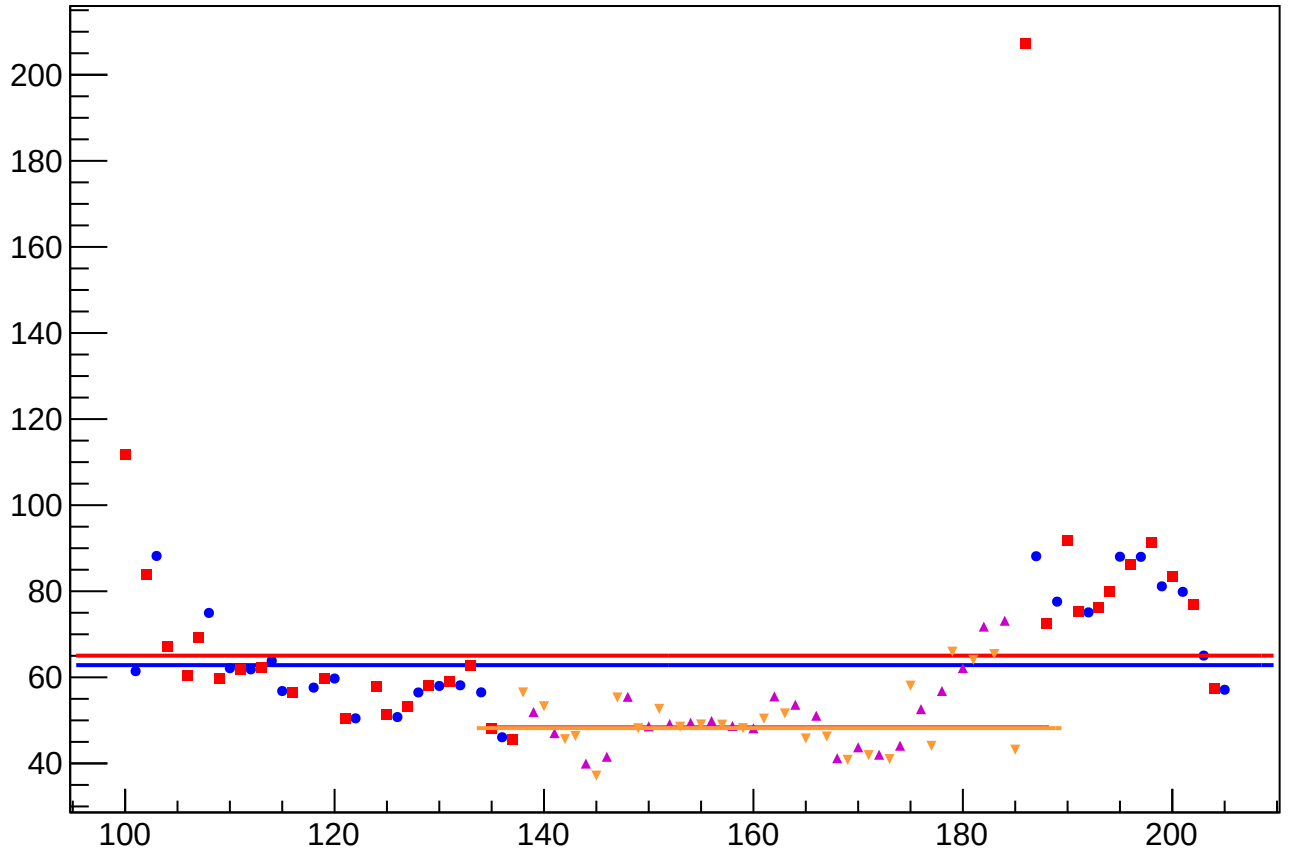
Left: -30.357+/-7.984 χ^2/NDF: 59.9/47

Right: 48.305+/-12.107 χ^2/NDF: 52.1/54

In: 2.041+/-9.536 χ^2/NDF:59.7/47

Out: -14.689+/-9.320 χ^2/NDF:80.1/54

All: -6.517+/-6.665 χ^2/NDF: 141.4/102



Right In: 62.833+/-0.012 χ^2/NDF: 1073549.7/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 65.039+/-0.012 χ^2/NDF: 1460646.7/29

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

Left: 48.287+/-0.006 χ^2/NDF: 1475927.4/47

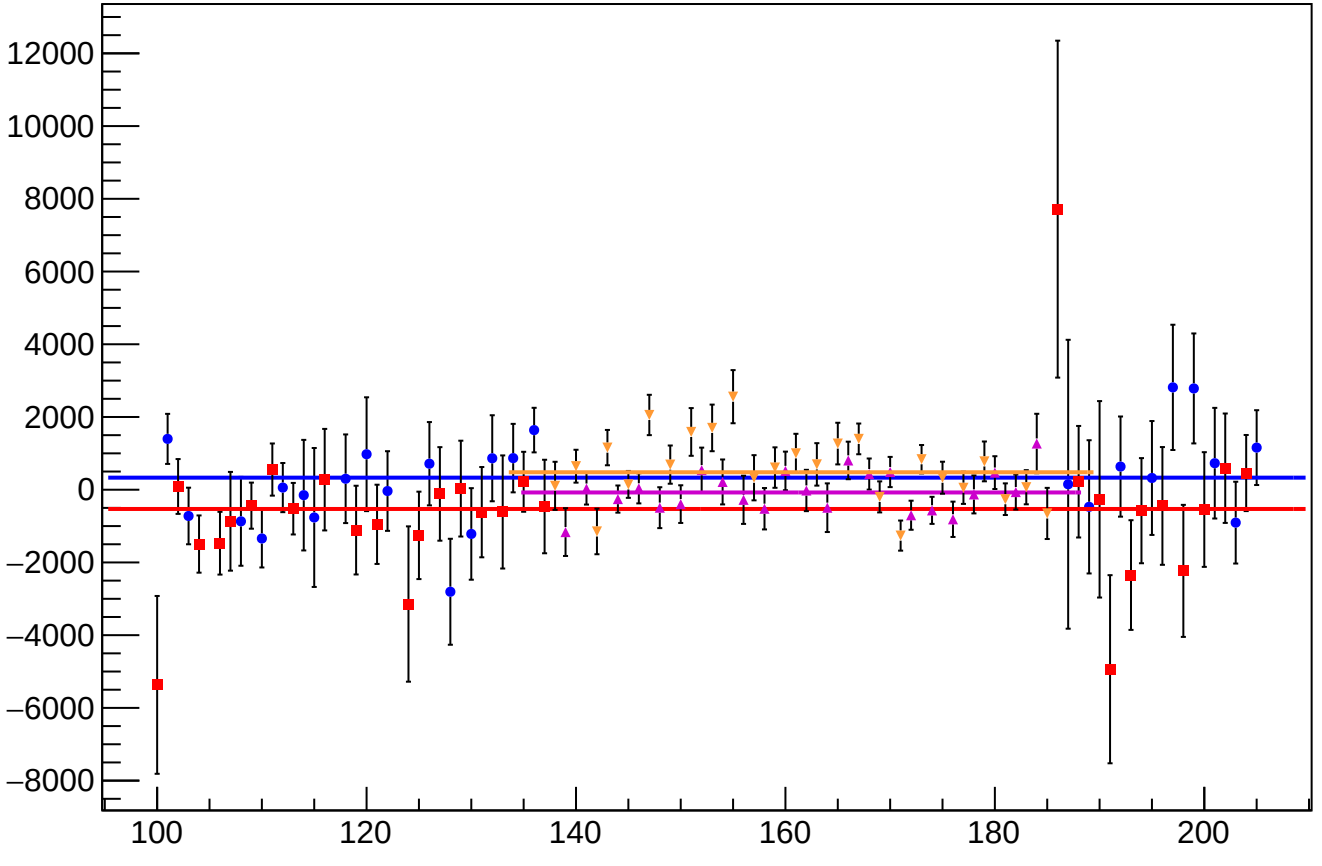
Right: 63.941+/-0.009 χ^2/NDF: 2550797.5/54

In: 52.845+/-0.007 χ^2/NDF:2749493.3/47

Out: 53.209+/-0.007 χ^2/NDF:3605884.7/54

All: 53.031+/-0.005 χ^2/NDF: 6356872.3/102

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: 331.758+/-216.052 χ^2/NDF: 28.7/24

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: -529.457+/-207.487 χ^2/NDF: 23.4/29

Left In: -75.665+/-103.128 χ^2/NDF:24.5/22

Left: 209.376+/-71.985 χ^2/NDF: 108.6/47

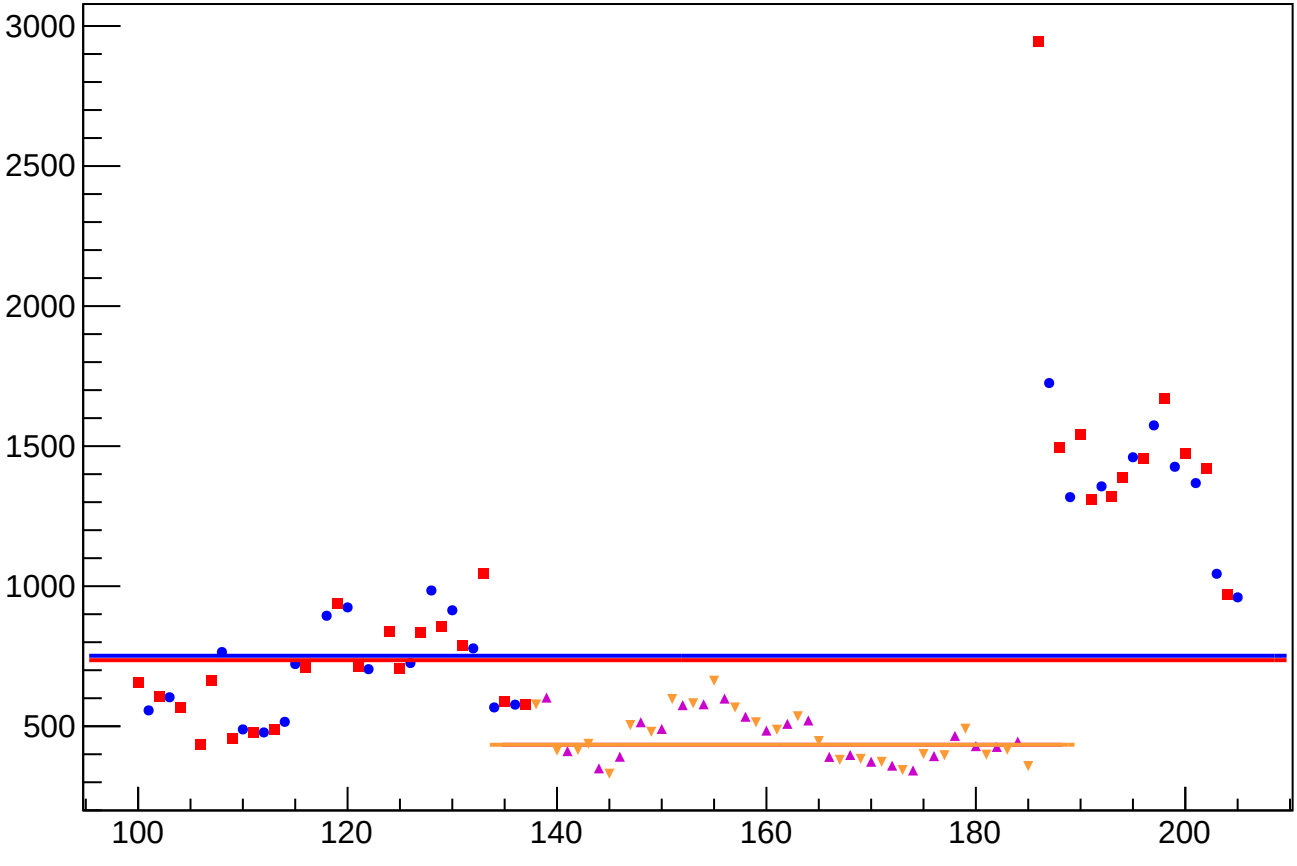
Right: -116.258+/-149.652 χ^2/NDF: 60.4/54

In: -0.062+/-93.069 χ^2/NDF:56.1/47

Out: 288.266+/-90.467 χ^2/NDF:111.8/54

All: 148.189+/-64.870 χ^2/NDF: 172.8/102

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 751.615+/-0.153 χ^2/NDF: 3715542.9/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 735.823+/-0.147 χ^2/NDF: 5368459.0/29

Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

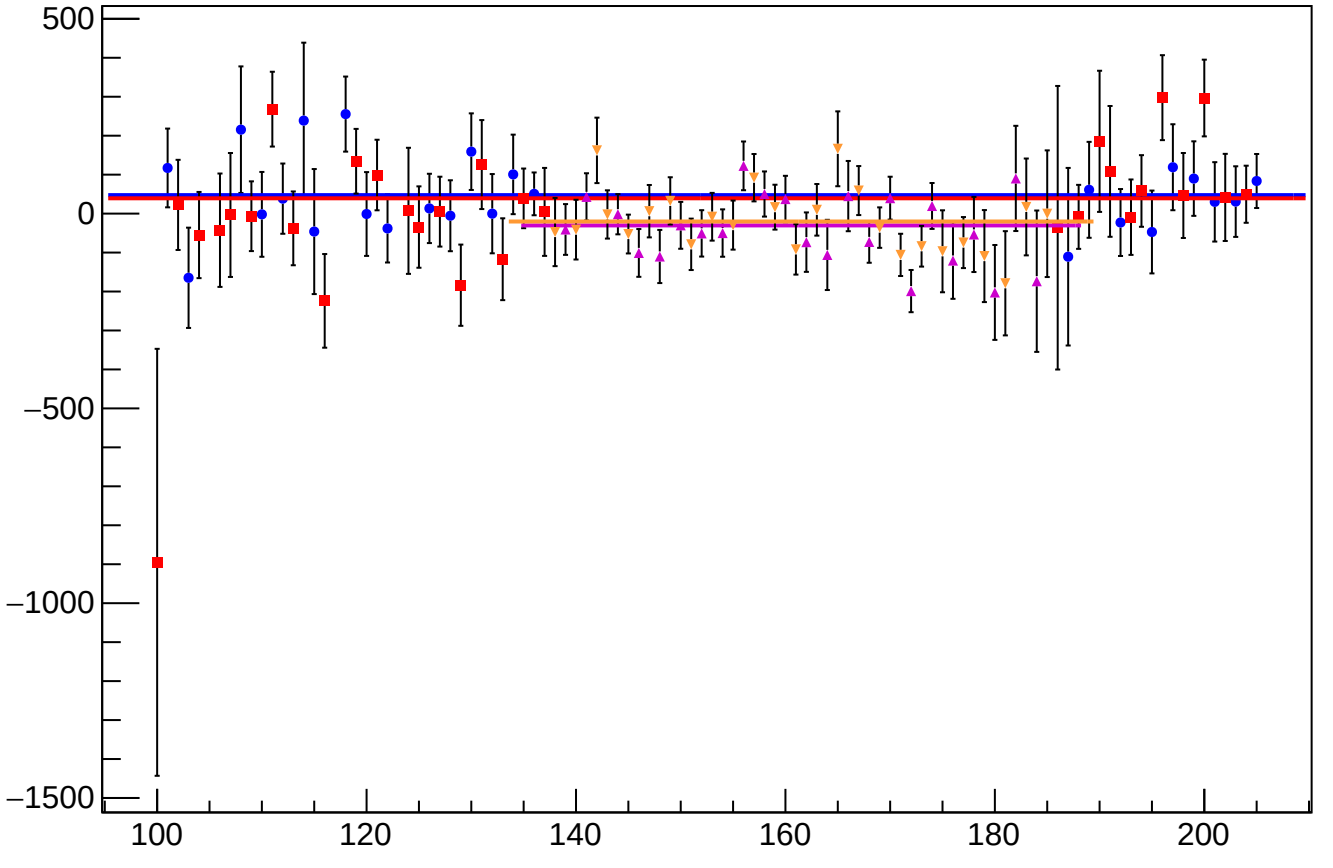
Left: 433.836+/-0.051 χ^2/NDF: 2338495.3/47

Right: 743.400+/-0.106 χ^2/NDF: 9089560.7/54

In: 492.712+/-0.066 χ^2/NDF:8336744.1/47

Out: 491.334+/-0.064 χ^2/NDF:10040921.5/54

All: 492.003+/-0.046 χ^2/NDF: 18377890.8/10



Right In: 47.450+/-19.635 χ^2/NDF: 16.7/24

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: 39.276+/-19.337 χ^2/NDF: 39.3/29

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

Left: -25.169+/-9.761 χ^2/NDF: 58.0/47

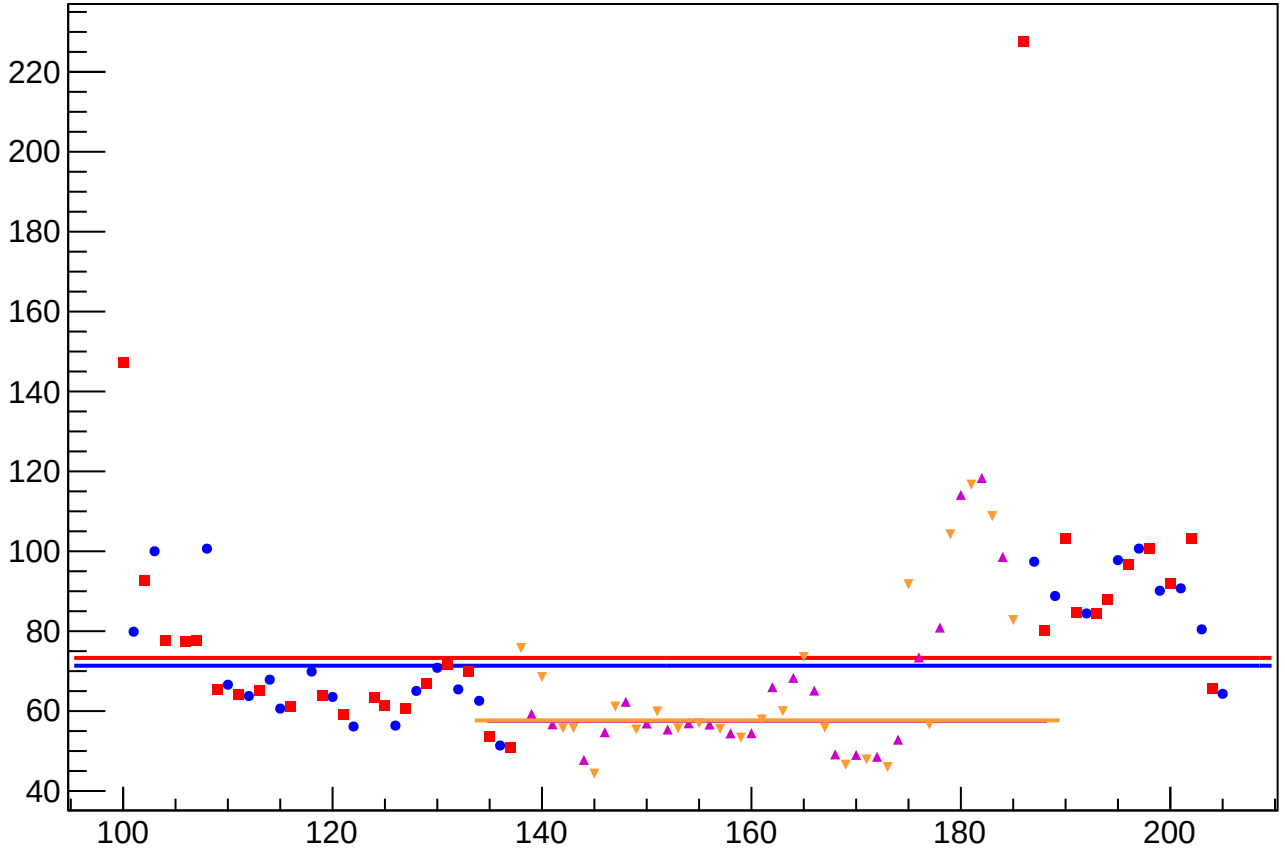
Right: 43.300+/-13.777 χ^2/NDF: 56.1/54

In: -4.160+/-11.388 χ^2/NDF:59.7/47

Out: -0.492+/-11.144 χ^2/NDF:70.8/54

All: -2.287+/-7.965 χ^2/NDF: 130.6/102

dit_asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 71.356+/-0.014 χ^2/NDF: 1197727.6/24

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 73.311+/-0.014 χ^2/NDF: 1503576.6/29

Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

Left: 57.605+/-0.007 χ^2/NDF: 3353109.9/47

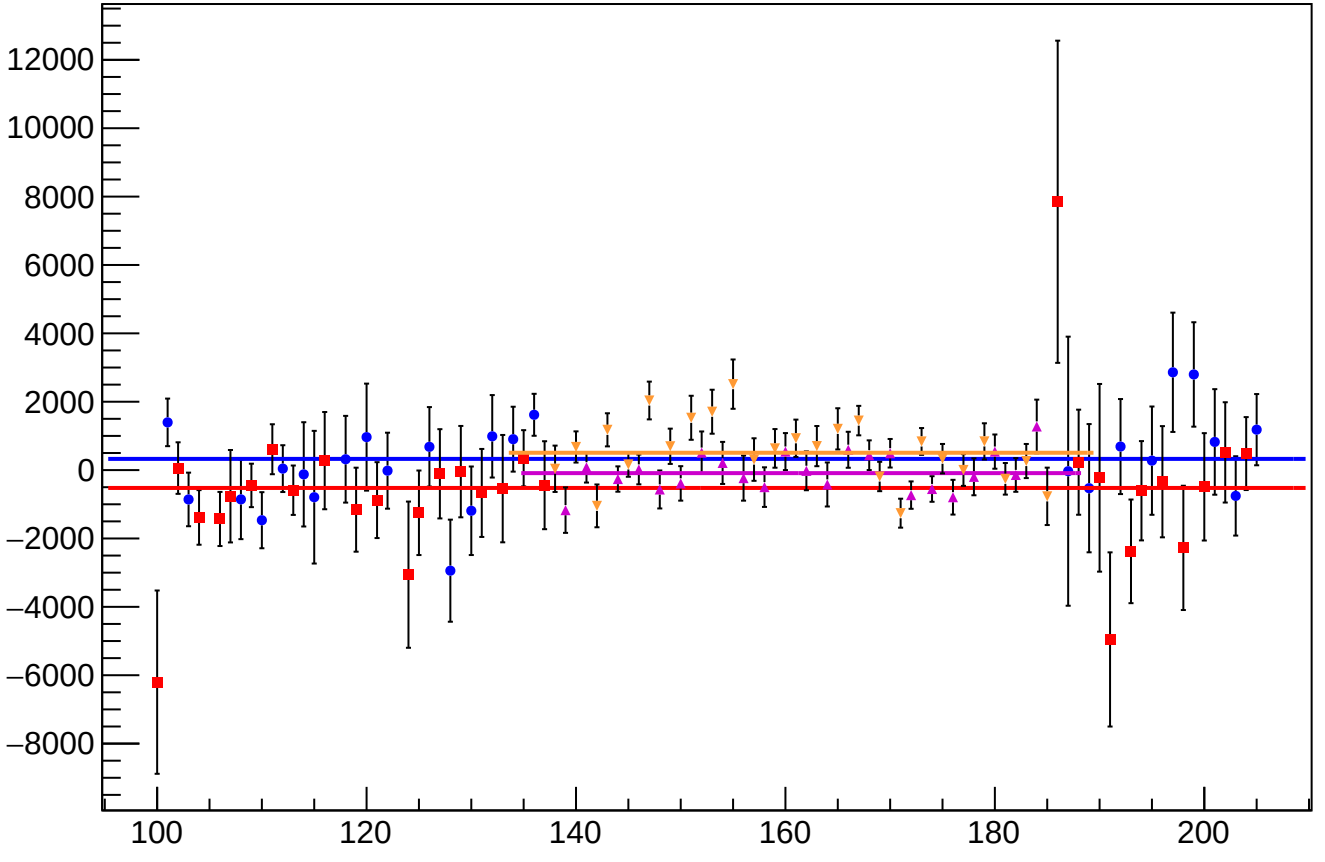
Right: 72.348+/-0.010 χ^2/NDF: 2711366.8/54

In: 62.187+/-0.008 χ^2/NDF:3298188.1/47

Out: 62.864+/-0.008 χ^2/NDF:4287417.1/54

All: 62.532+/-0.006 χ^2/NDF: 7589215.3/102

asym_sam_15_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 327.826+/-218.579 χ^2/NDF: 29.3/24

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: -522.102+/-208.285 χ^2/NDF: 24.1/29

Left In: -88.471+/-104.542 χ^2/NDF:23.3/22

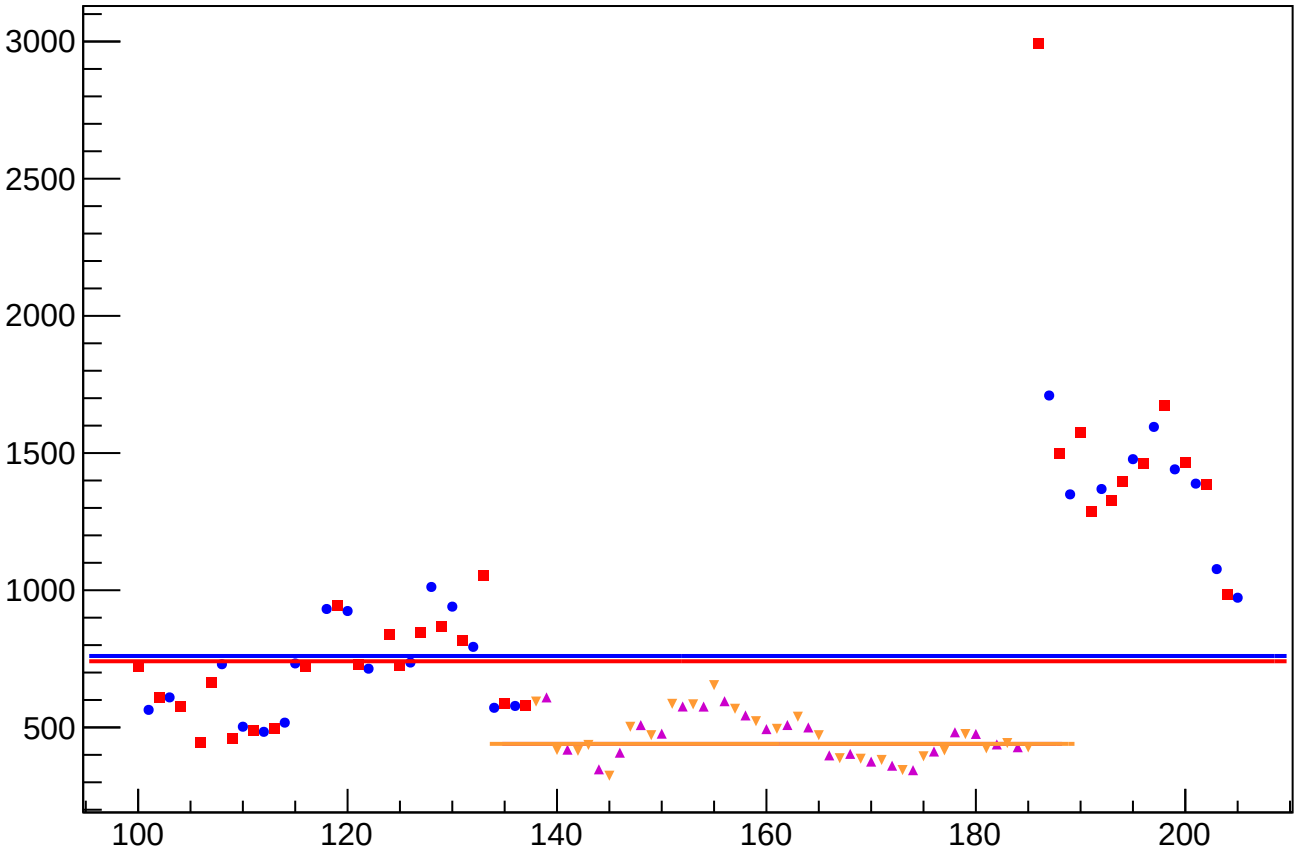
Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

Right: -117.623+/-150.787 χ^2/NDF: 61.3/54

In: -10.972+/-94.310 χ^2/NDF:55.6/47

Out: 308.781+/-91.443 χ^2/NDF:109.6/54

All: 153.838+/-65.650 χ^2/NDF: 171.1/102



Right In: 760.379+/-0.155 χ^2/NDF: 3750033.6/24

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 741.131+/-0.147 χ^2/NDF: 5340032.9/29

Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

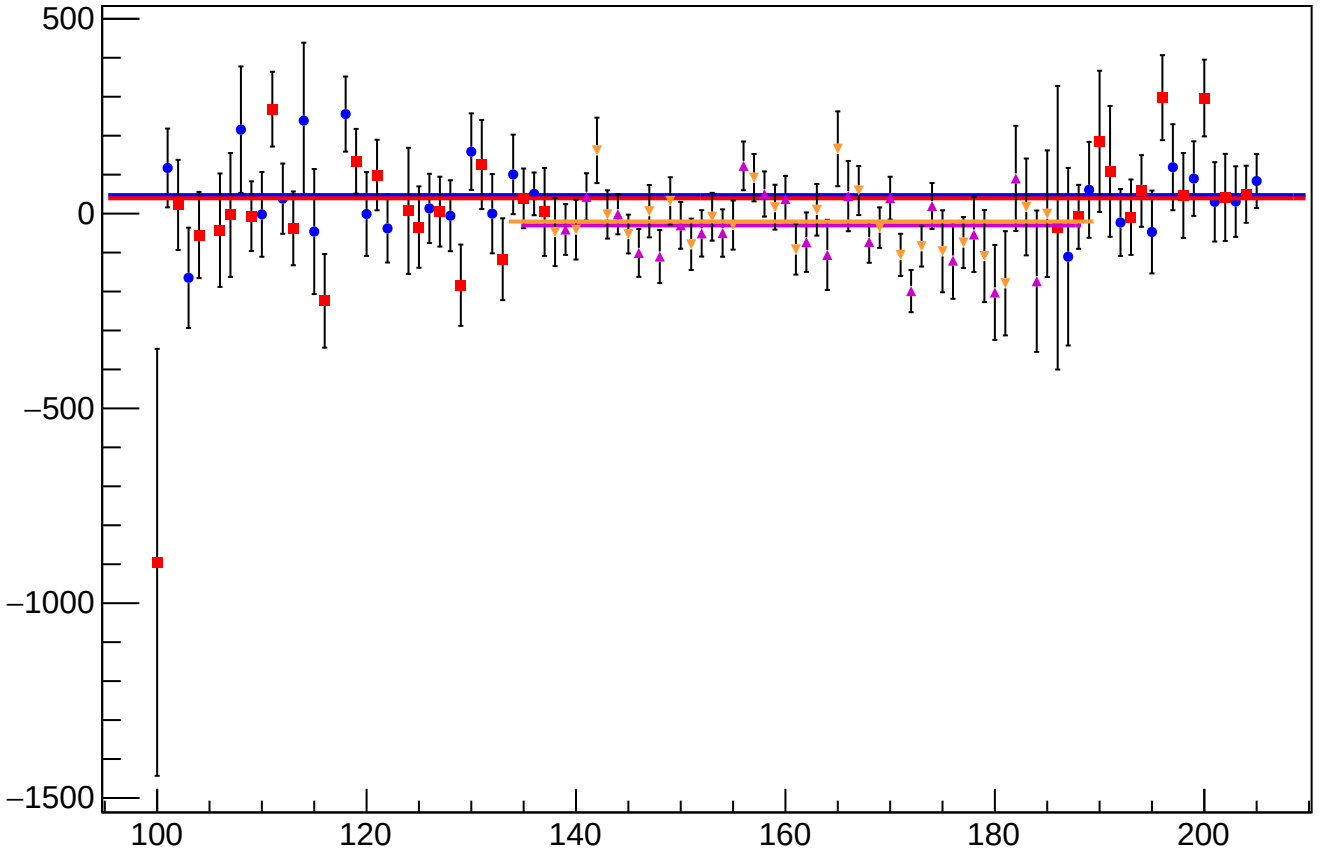
Left: 439.979+/-0.052 χ^2/NDF: 2258899.3/47

Right: 750.291+/-0.107 χ^2/NDF: 9098195.0/54

In: 499.543+/-0.067 χ^2/NDF:8311491.0/47

Out: 498.103+/-0.065 χ^2/NDF:9910042.2/54

All: 498.801+/-0.046 χ^2/NDF: 18221773.7/10



Right In: 47.448+/-19.635 χ^2/NDF: 16.7/24

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: 39.276+/-19.337 χ^2/NDF: 39.3/29

Left In: -30.318+/-13.979 χ^2/NDF:32.6/22

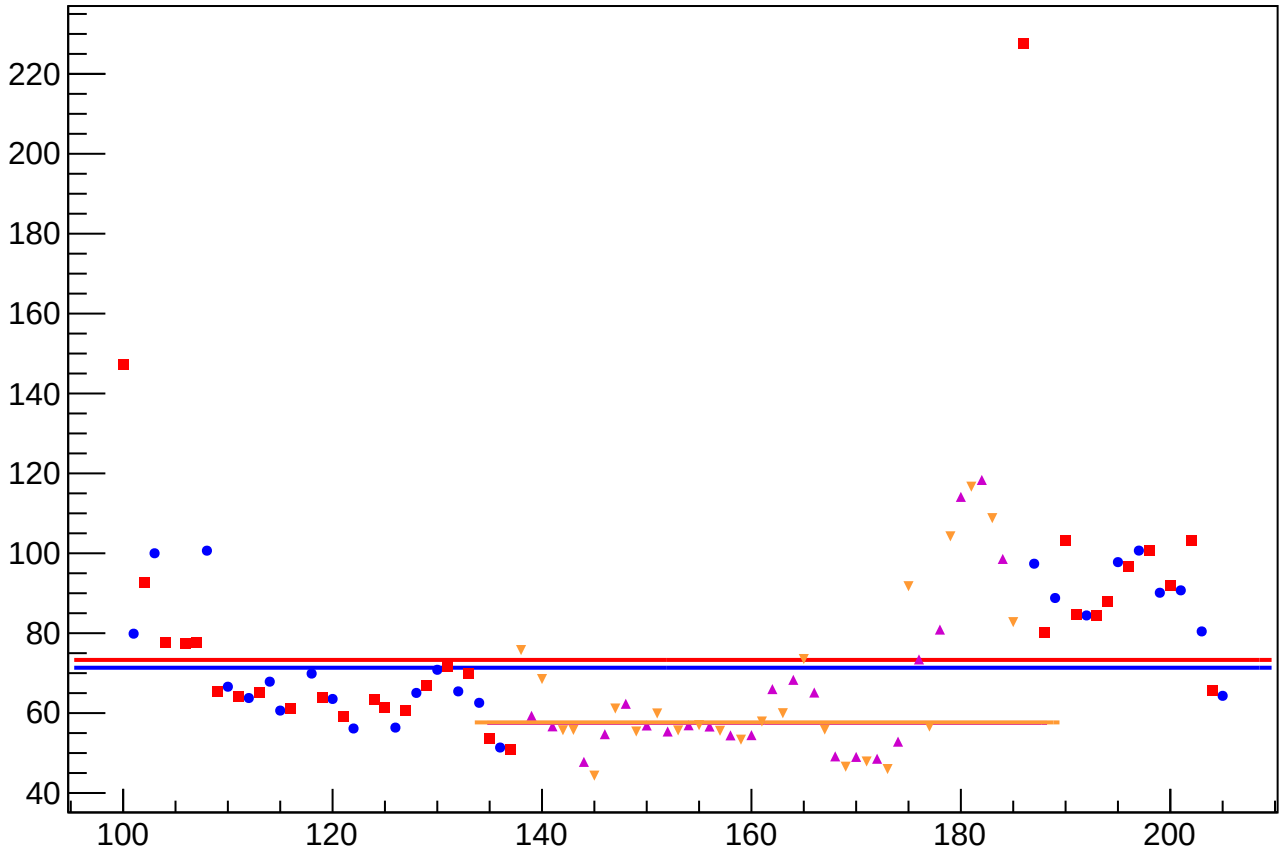
Left: -25.170+/-9.761 χ^2/NDF: 58.0/47

Right: 43.299+/-13.777 χ^2/NDF: 56.1/54

In: -4.161+/-11.388 χ^2/NDF:59.7/47

Out: -0.493+/-11.144 χ^2/NDF:70.8/54

All: -2.287+/-7.965 χ^2/NDF: 130.6/102



Right In: 71.356+/-0.014 χ^2/NDF: 1197716.5/24

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

Right Out: 73.310+/-0.014 χ^2/NDF: 1503595.2/29

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

Left: 57.605+/-0.007 χ^2/NDF: 3353089.2/47

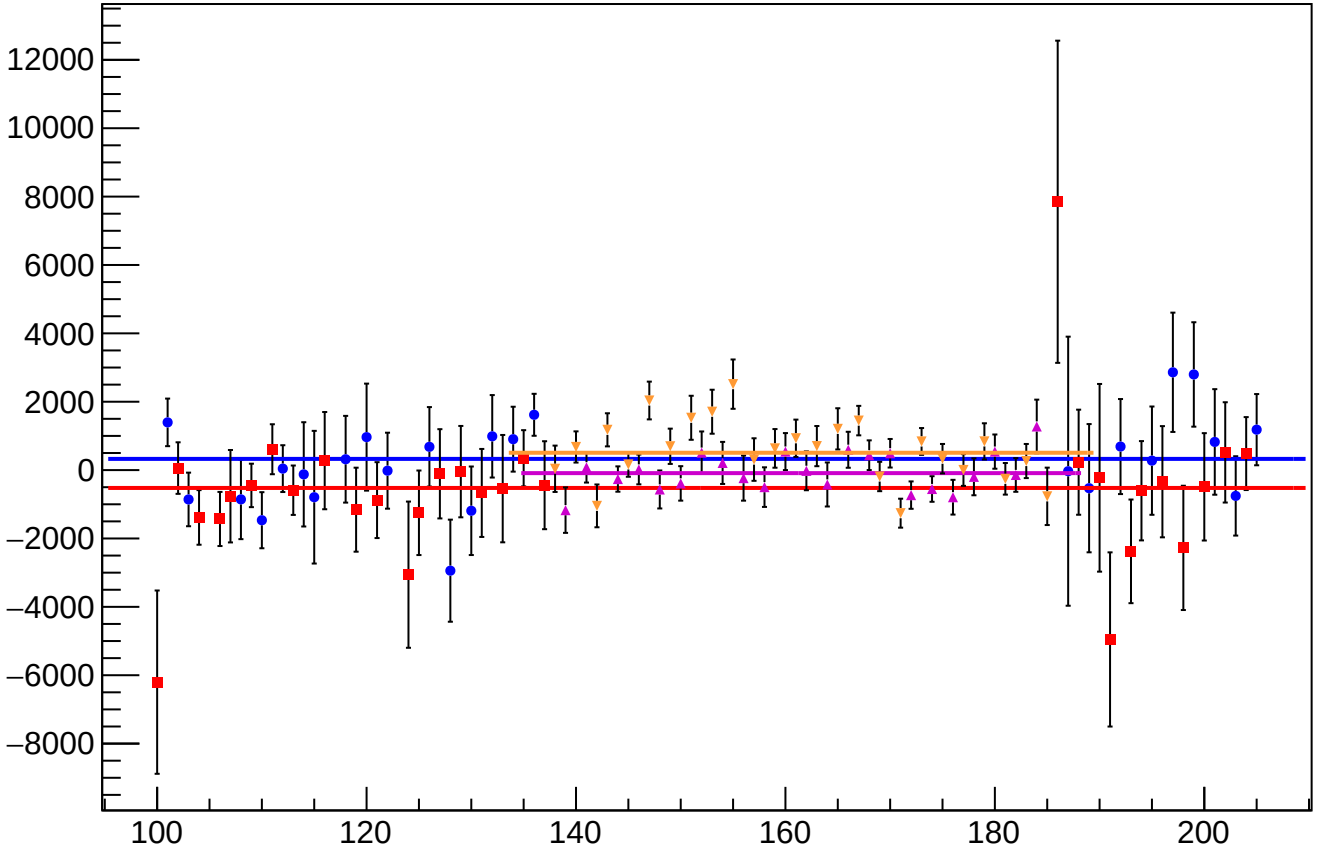
Right: 72.348+/-0.010 χ^2/NDF: 2711374.2/54

In: 62.187+/-0.008 χ^2/NDF:3298144.4/47

Out: 62.864+/-0.008 χ^2/NDF:4287404.8/54

All: 62.532+/-0.006 χ^2/NDF: 7589159.7/102

asym_sam_15_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 327.825+/-218.579 χ^2/NDF: 29.3/24

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

Right Out: -522.102+/-208.284 χ^2/NDF: 24.1/29

Left In: -88.471+/-104.541 χ^2/NDF:23.3/22

Left: 217.331+/-72.925 χ^2/NDF: 105.8/47

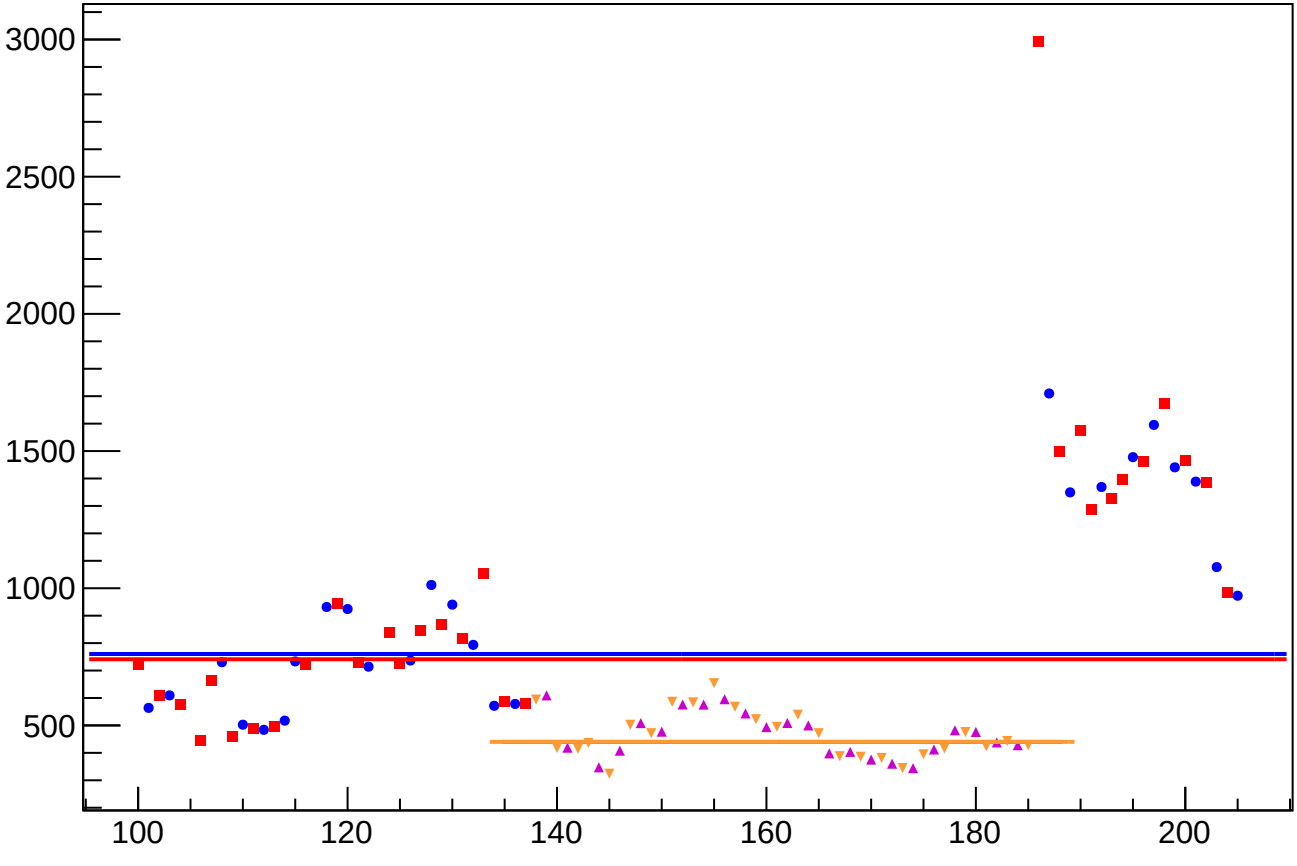
Right: -117.624+/-150.787 χ^2/NDF: 61.3/54

In: -10.972+/-94.310 χ^2/NDF:55.6/47

Out: 308.781+/-91.443 χ^2/NDF:109.6/54

All: 153.838+/-65.650 χ^2/NDF: 171.1/102

asym_sam_15_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 760.378+/-0.155 χ^2/NDF: 3750036.0/24

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 741.130+/-0.147 χ^2/NDF: 5340034.3/29

Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

Left: 439.978+/-0.052 χ^2/NDF: 2258913.7/47

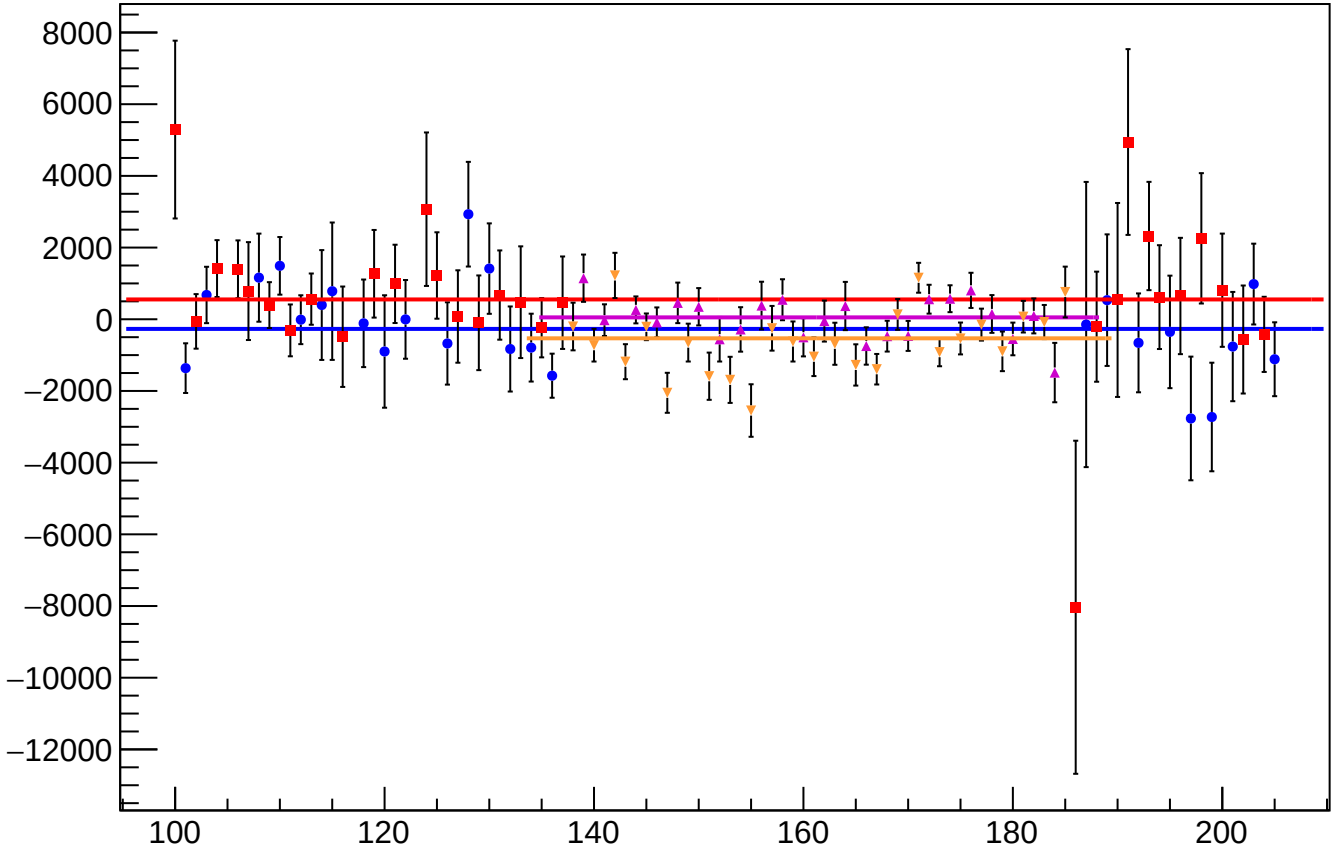
Right: 750.290+/-0.107 χ^2/NDF: 9098198.8/54

In: 499.542+/-0.067 χ^2/NDF:8311516.0/47

Out: 498.102+/-0.065 χ^2/NDF:9910065.2/54

All: 498.800+/-0.046 χ^2/NDF: 18221821.6/10

asym_sam_15_48_dd_mean vs Slug, Sign Corrected



Right In: -269.113+/-217.114 χ^2/NDF: 29.7/24

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: 552.940+/-207.652 χ^2/NDF: 22.4/29

Left In: 52.554+/-103.870 χ^2/NDF:24.1/22

Left: -246.981+/-72.501 χ^2/NDF: 105.9/47

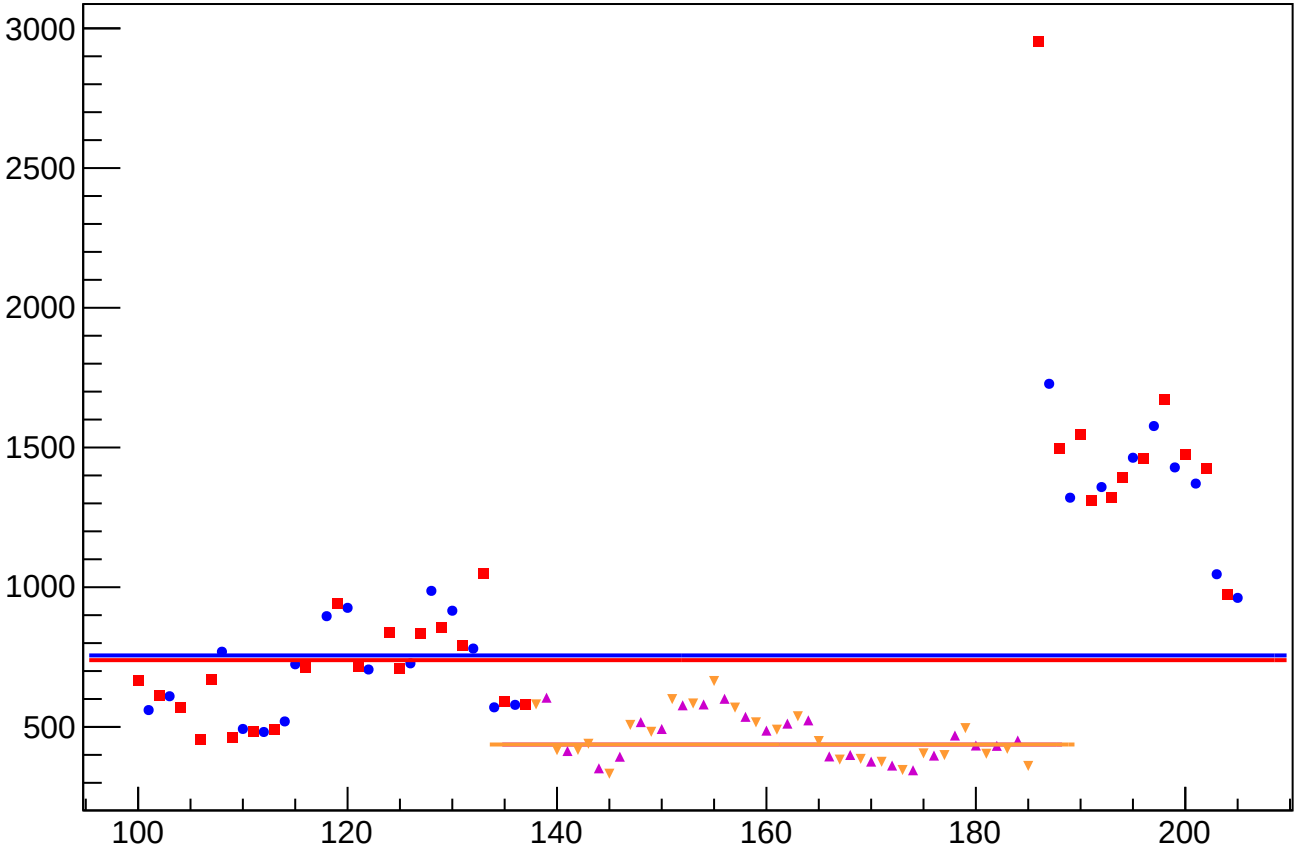
Right: 160.216+/-150.066 χ^2/NDF: 59.6/54

In: -7.357+/-93.699 χ^2/NDF:55.6/47

Out: -323.271+/-91.004 χ^2/NDF:110.0/54

All: -169.922+/-65.282 χ^2/NDF: 171.4/102

asym_sam_15_48_dd_rms vs Slug, Sign Corrected



Right In: 755.927+/-0.154 χ^2/NDF: 3677314.5/24

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

Right Out: 738.995+/-0.147 χ^2/NDF: 5323249.7/29

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

Left: 437.050+/-0.051 χ^2/NDF: 2307495.9/47

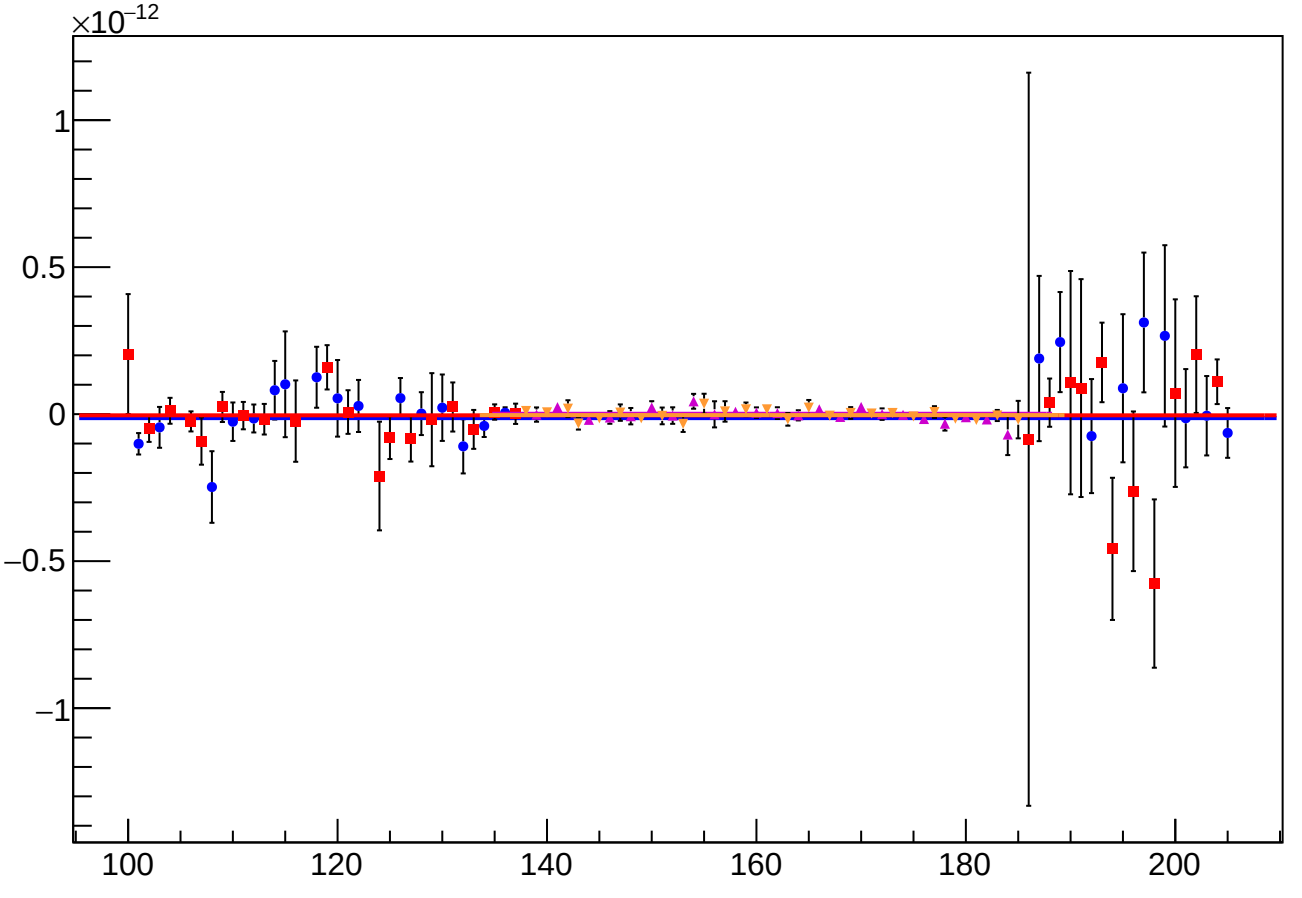
Right: 747.084+/-0.106 χ^2/NDF: 9006916.6/54

In: 496.349+/-0.066 χ^2/NDF:8270518.1/47

Out: 495.130+/-0.064 χ^2/NDF:9964850.8/54

All: 495.722+/-0.046 χ^2/NDF: 18235543.2/10

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



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

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

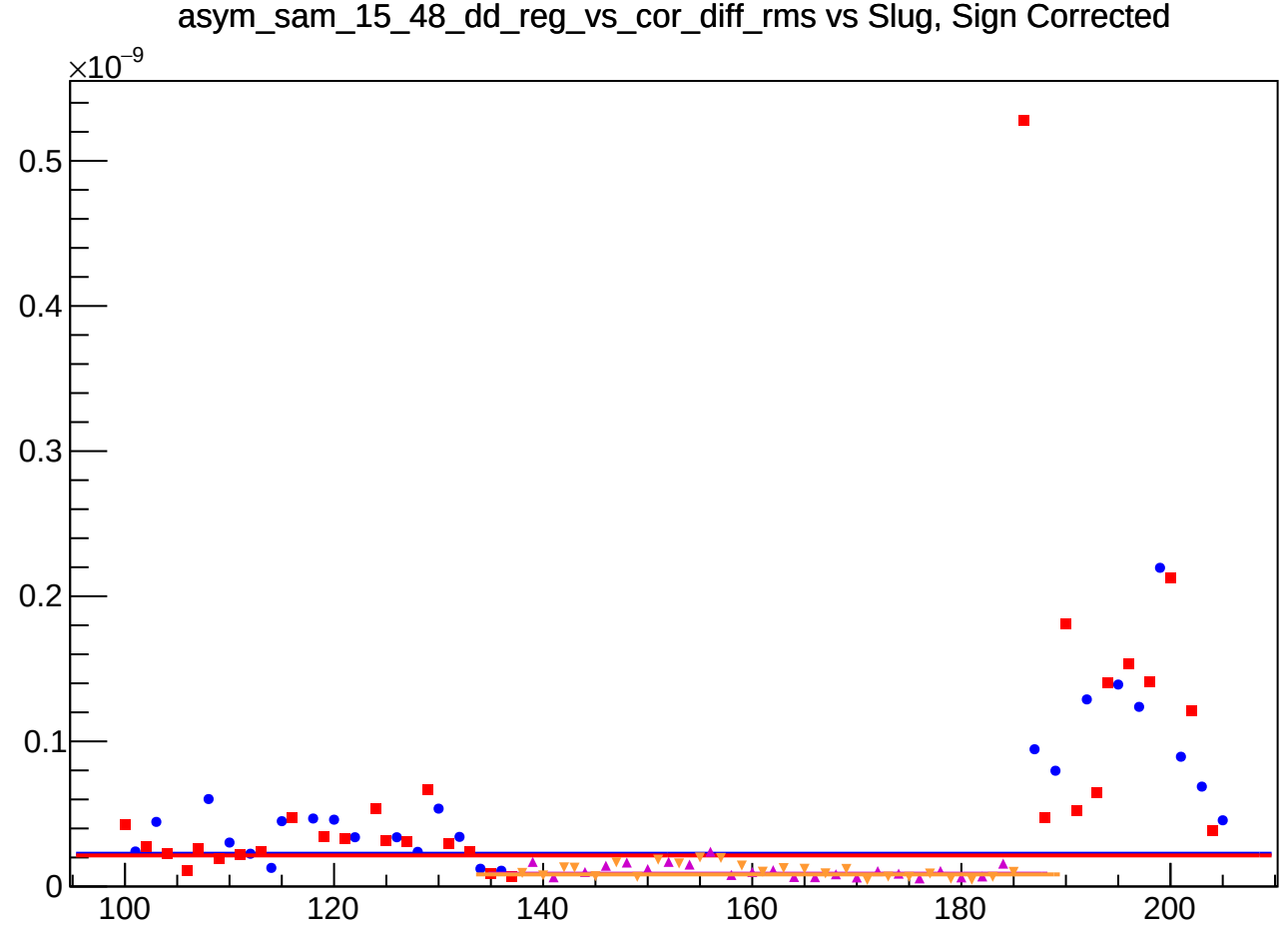
Left: -0.000+/-0.000 χ^2/NDF: 37.2/47

Right: -0.000+/-0.000 χ^2/NDF: 50.5/54

In: 0.000+/-0.000 χ^2/NDF:46.5/47

Out: -0.000+/-0.000 χ^2/NDF:41.4/54

All: -0.000+/-0.000 χ^2/NDF: 88.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 5125596.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5303142.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

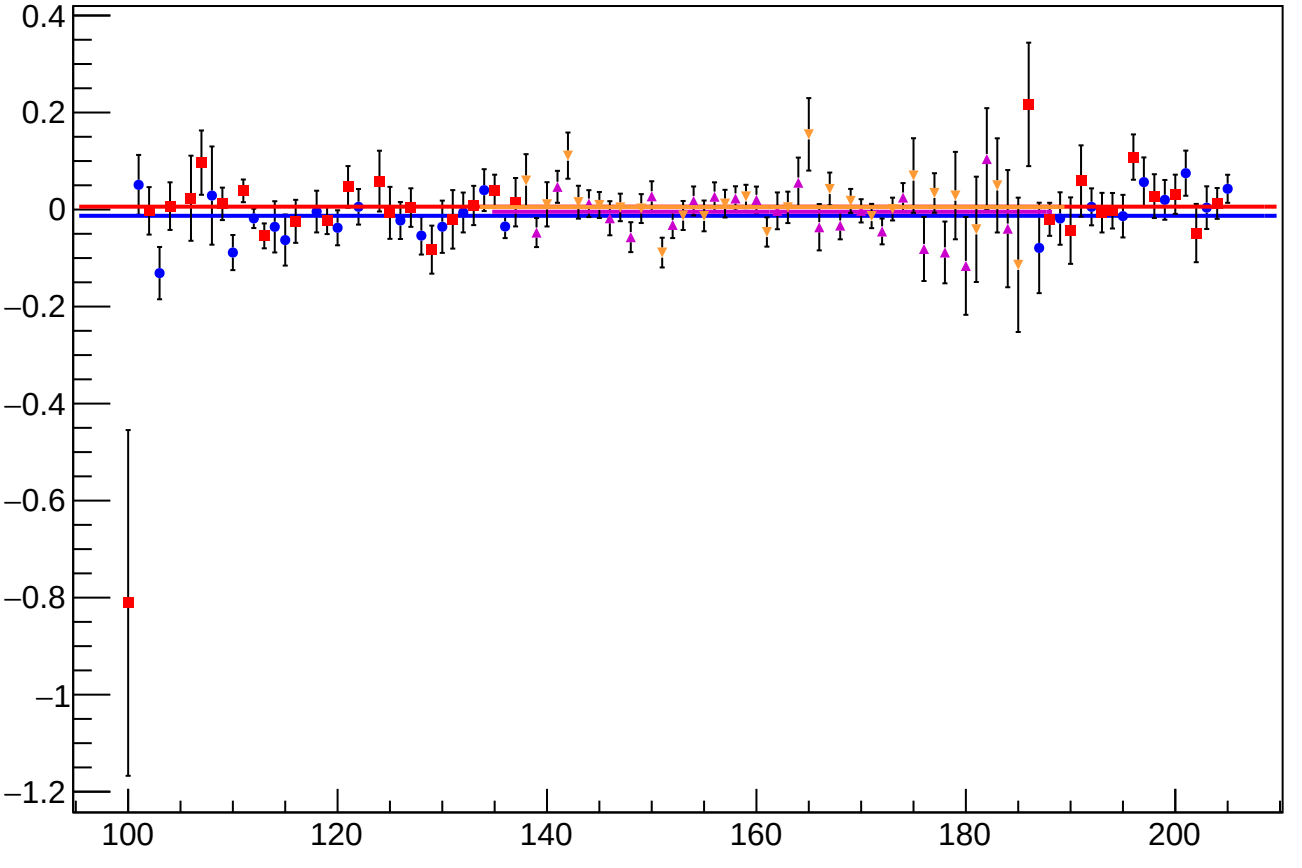
Left: 0.000+/-0.000 χ^2/NDF: 3869791.0/47

Right: 0.000+/-0.000 χ^2/NDF: 10437909.5/54

In: 0.000+/-0.000 χ^2/NDF:9072436.8/47

Out: 0.000+/-0.000 χ^2/NDF:9788543.0/54

All: 0.000+/-0.000 χ^2/NDF: 18890342.2/102



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

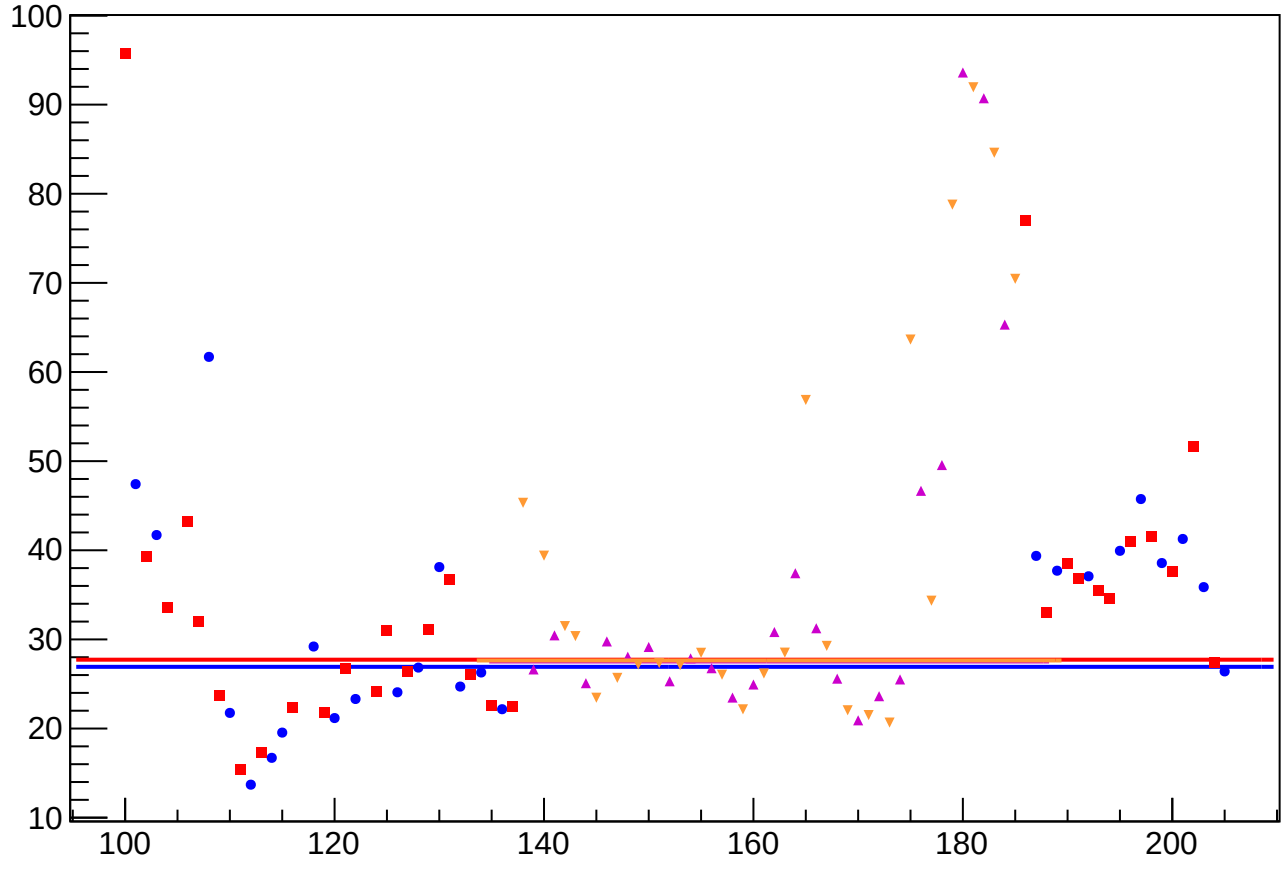
Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

Right: -0.003+/-0.005 χ^2/NDF: 62.7/54

In: -0.008+/-0.005 χ^2/NDF:52.5/47

Out: 0.005+/-0.005 χ^2/NDF:61.5/54

All: -0.001+/-0.004 χ^2/NDF: 117.5/102



Right In: 26.923+/-0.006 χ^2/NDF: 3043421.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.725+/-0.005 χ^2/NDF: 2819308.4/29

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

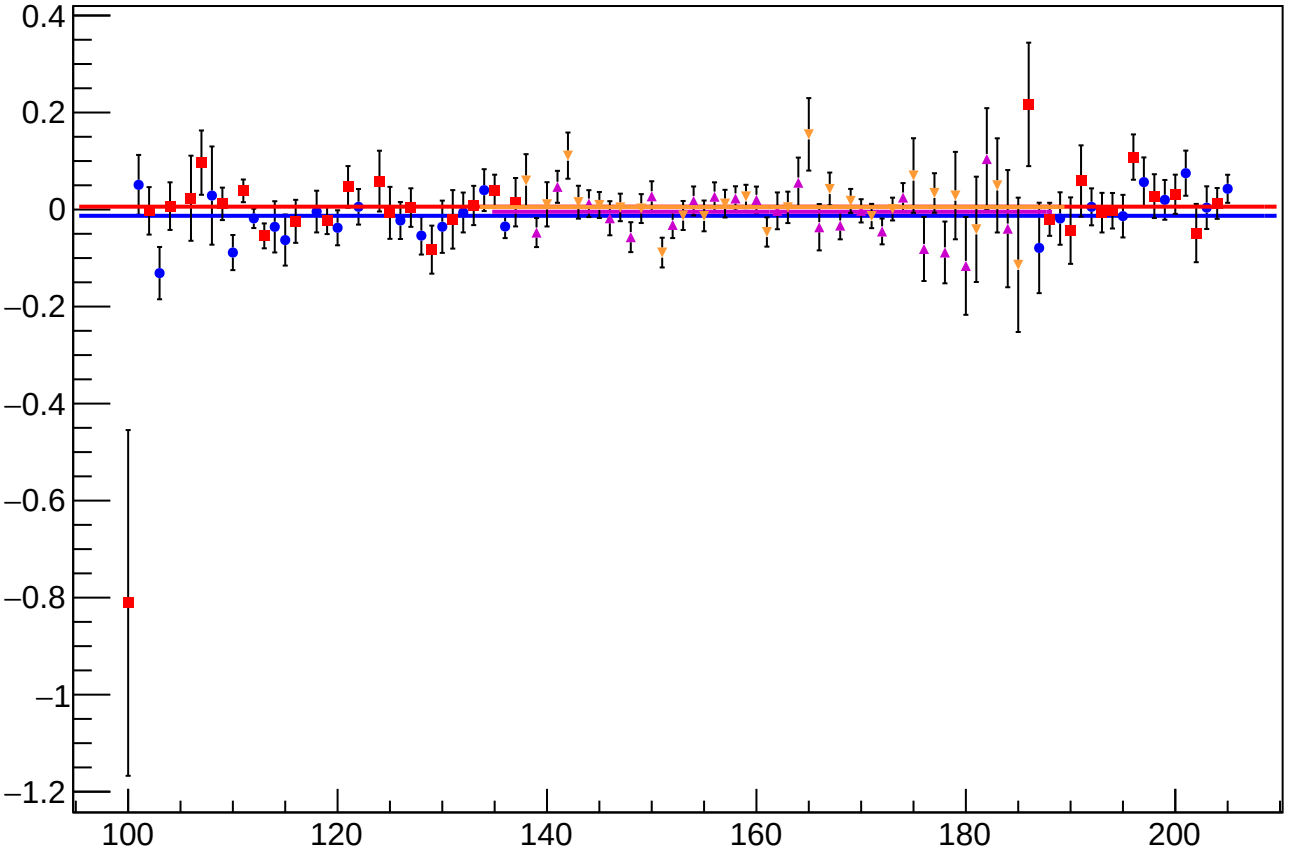
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.335+/-0.004 χ^2/NDF: 5873397.1/54

In: 27.259+/-0.004 χ^2/NDF:5684494.7/47

Out: 27.675+/-0.004 χ^2/NDF:6793545.7/54

All: 27.472+/-0.003 χ^2/NDF: 12484513.9/102



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

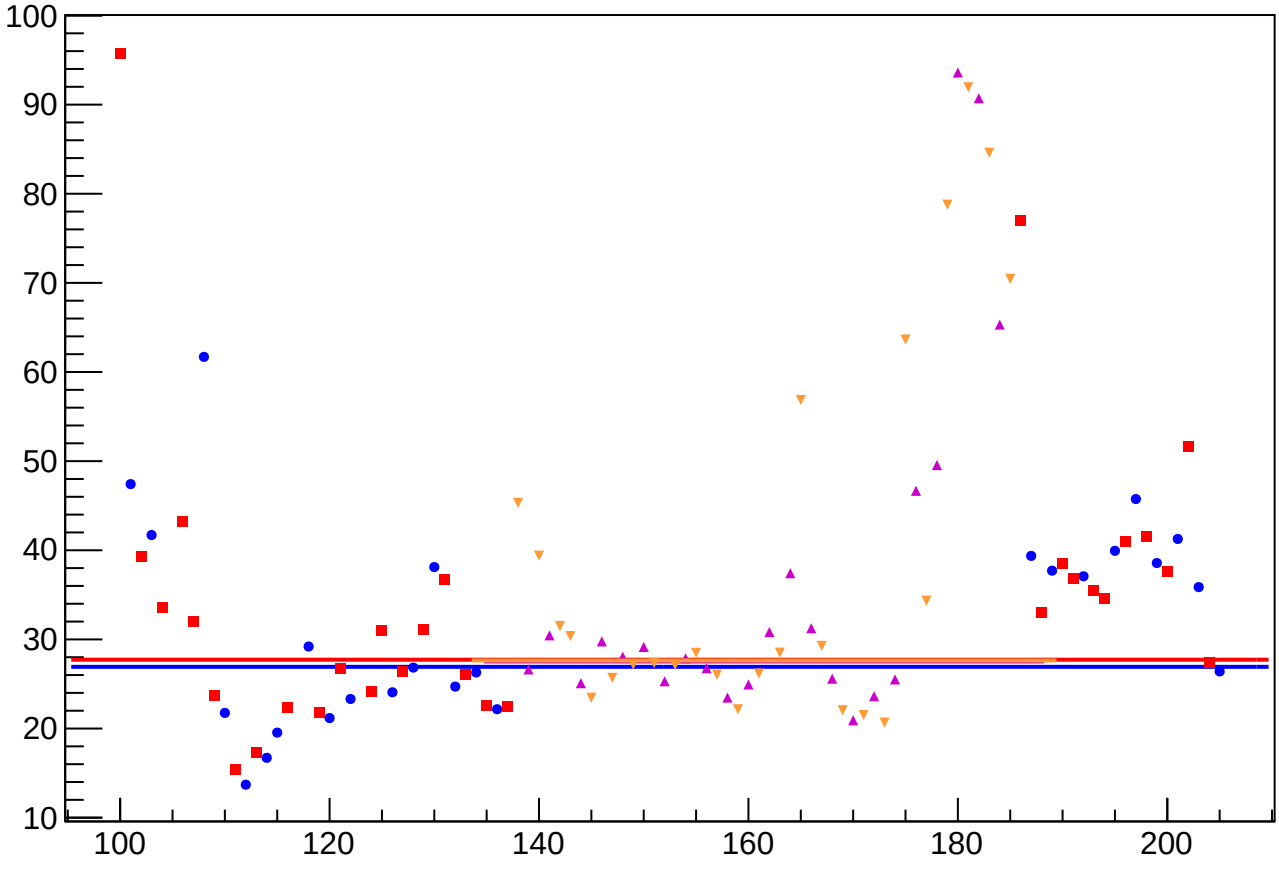
Right: -0.003+/-0.005 χ^2/NDF: 62.7/54

In: -0.008+/-0.005 χ^2/NDF:52.5/47

Out: 0.005+/-0.005 χ^2/NDF:61.5/54

All: -0.001+/-0.004 χ^2/NDF: 117.5/102

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.923+/-0.006 χ^2/NDF: 3043421.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.725+/-0.005 χ^2/NDF: 2819308.4/29

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

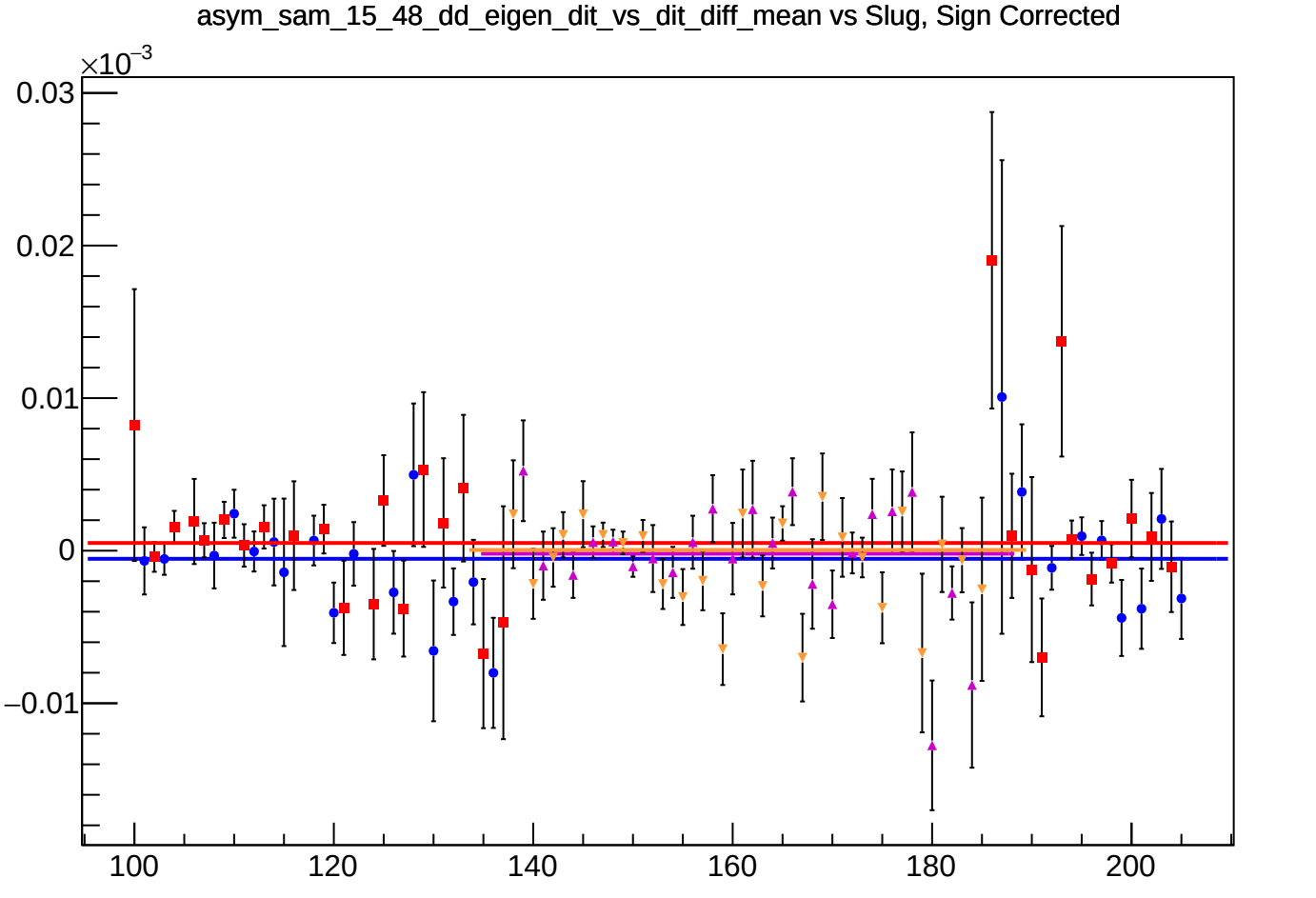
Left: 27.581+/-0.003 χ^2/NDF: 6608881.9/47

Right: 27.335+/-0.004 χ^2/NDF: 5873397.1/54

In: 27.259+/-0.004 χ^2/NDF:5684494.7/47

Out: 27.675+/-0.004 χ^2/NDF:6793545.7/54

All: 27.472+/-0.003 χ^2/NDF: 12484513.9/102



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: -0.000+/-0.000 χ^2/NDF:33.3/22

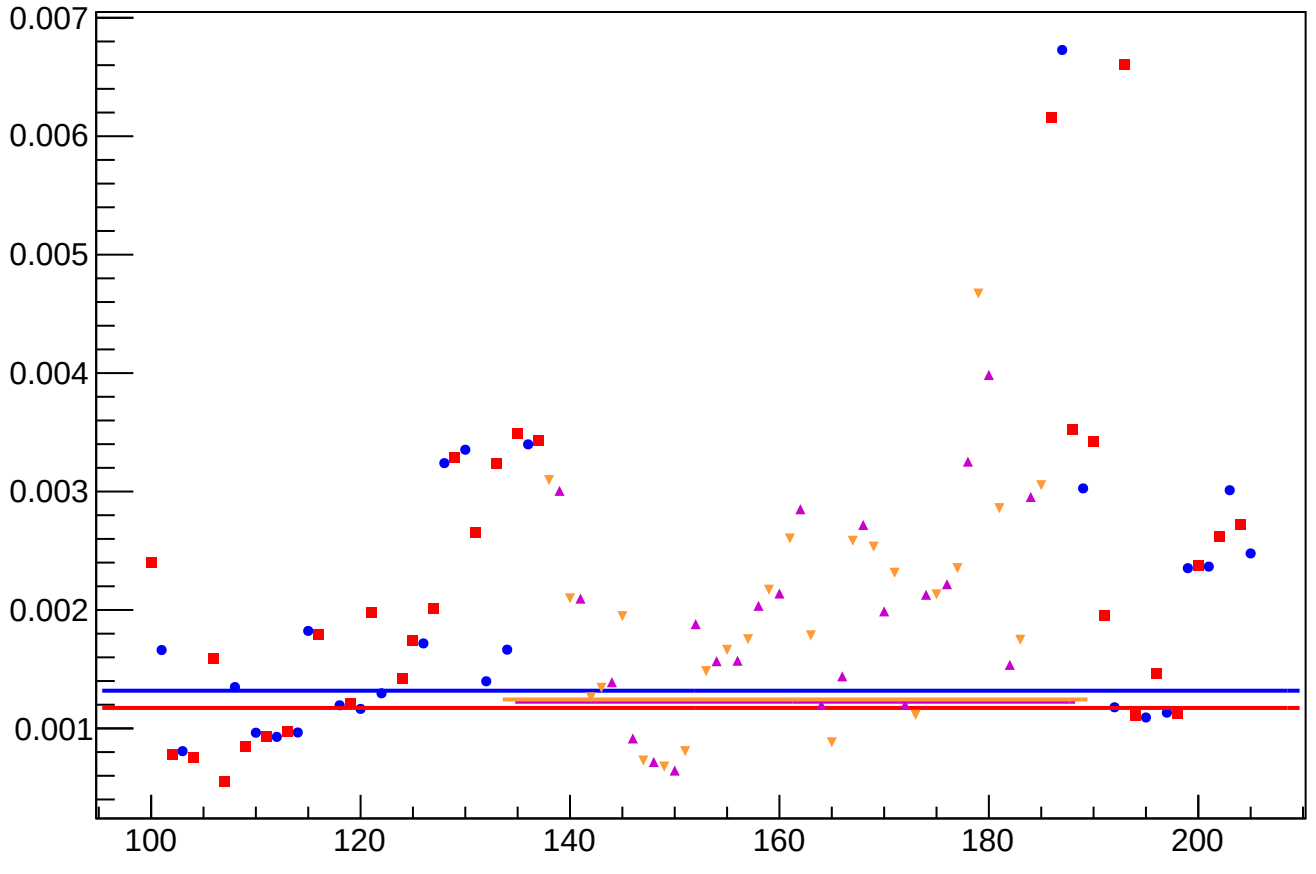
Left: -0.000+/-0.000 χ^2/NDF: 70.5/47

Right: 0.000+/-0.000 χ^2/NDF: 60.8/54

In: -0.000+/-0.000 χ^2/NDF:60.8/47

Out: 0.000+/-0.000 χ^2/NDF:67.7/54

All: -0.000+/-0.000 χ^2/NDF: 131.4/102



Right In: 0.001+/-0.000 χ^2/NDF: 4600517.2/24

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7759048.3/29

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

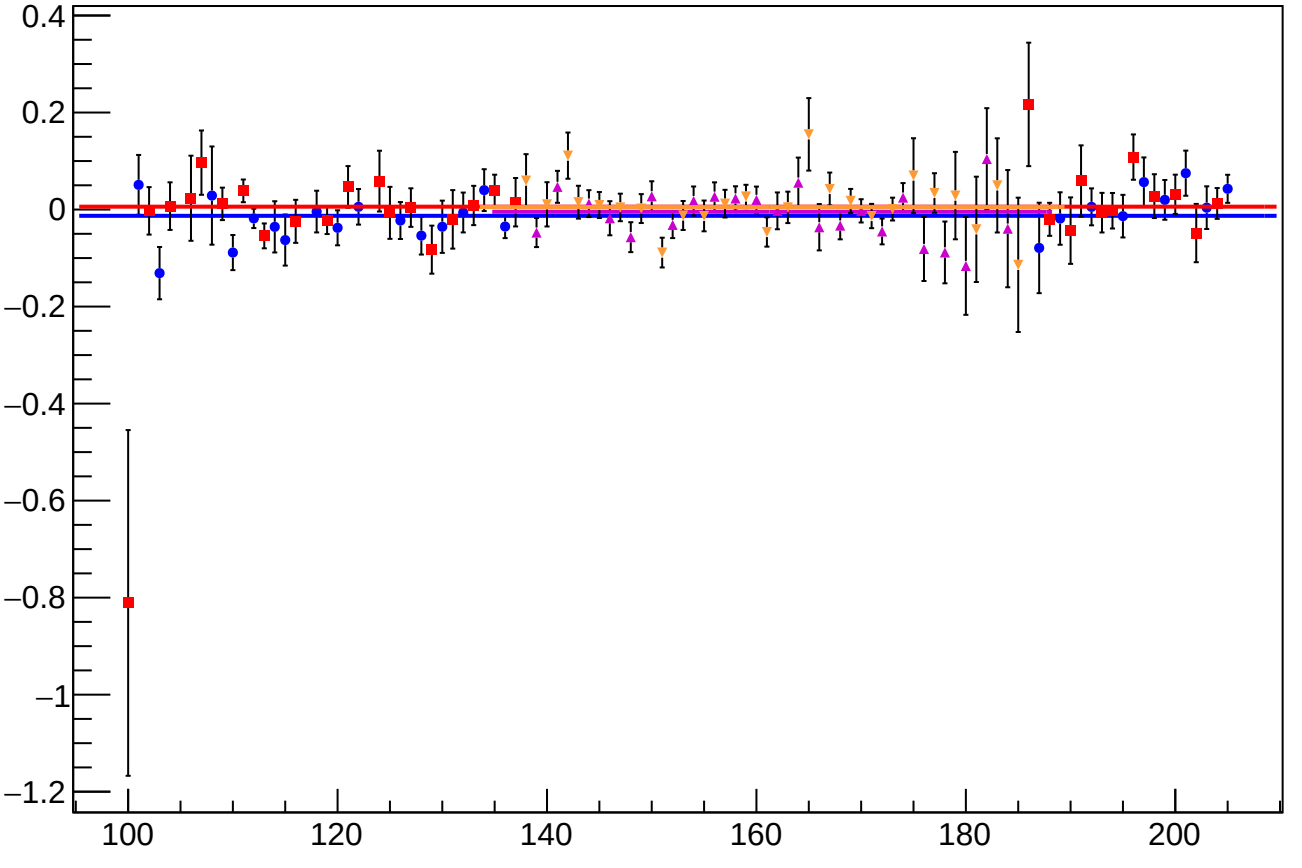
Left: 0.001+/-0.000 χ^2/NDF: 16167353.6/47

Right: 0.001+/-0.000 χ^2/NDF: 12508749.1/54

In: 0.001+/-0.000 χ^2/NDF:12488276.5/47

Out: 0.001+/-0.000 χ^2/NDF:16144373.4/54

All: 0.001+/-0.000 χ^2/NDF: 28676226.5/102



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

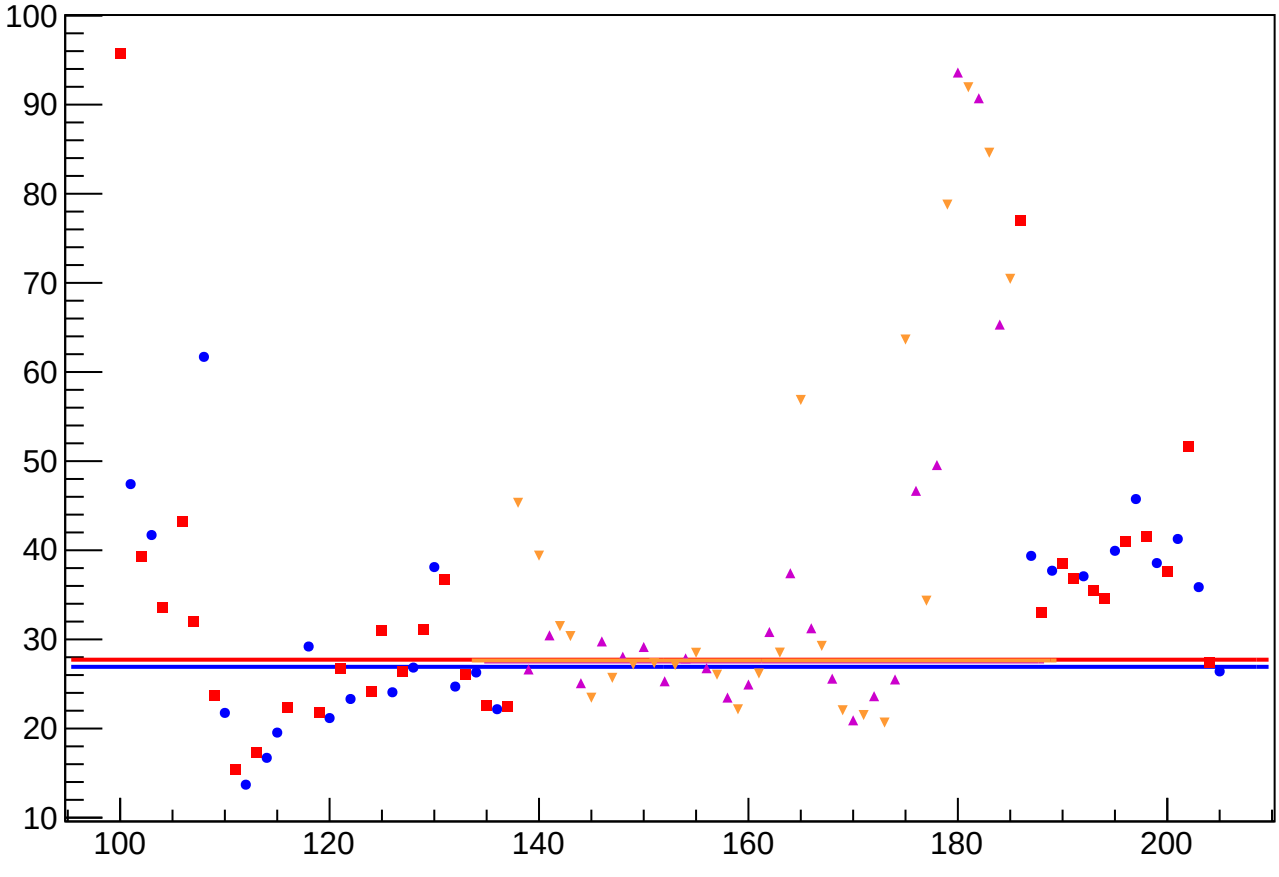
Right: -0.003+/-0.005 χ^2/NDF: 62.7/54

In: -0.008+/-0.005 χ^2/NDF:52.5/47

Out: 0.005+/-0.005 χ^2/NDF:61.5/54

All: -0.001+/-0.004 χ^2/NDF: 117.5/102

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.923+/-0.006 χ^2/NDF: 3043418.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.724+/-0.005 χ^2/NDF: 2819417.7/29

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

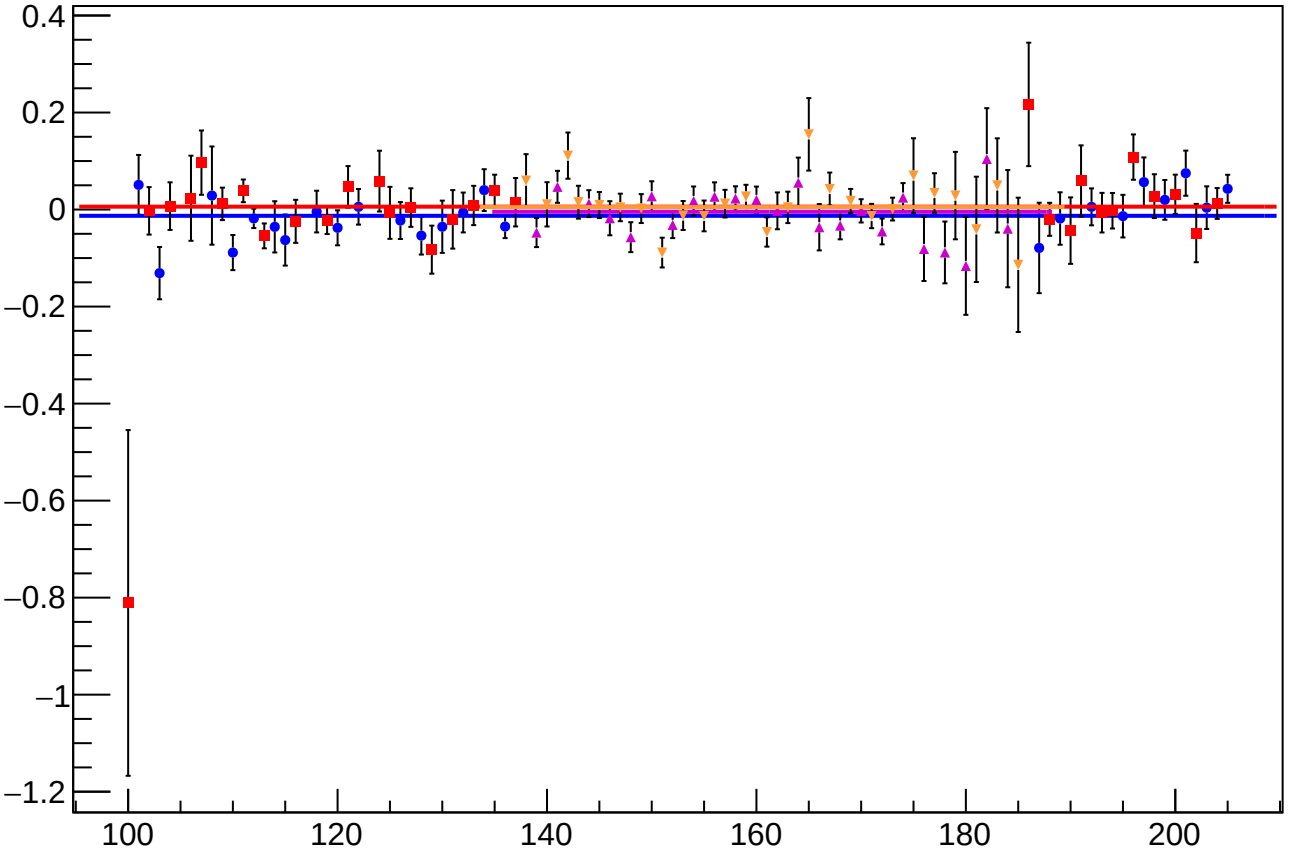
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.335+/-0.004 χ^2/NDF: 5873502.7/54

In: 27.259+/-0.004 χ^2/NDF:5684467.8/47

Out: 27.675+/-0.004 χ^2/NDF:6793593.7/54

All: 27.472+/-0.003 χ^2/NDF: 12484536.9/102



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: 0.006+/-0.008 χ^2/NDF: 33.0/29

Left In: -0.005+/-0.007 χ^2/NDF:25.1/22

Left: 0.000+/-0.005 χ^2/NDF: 54.5/47

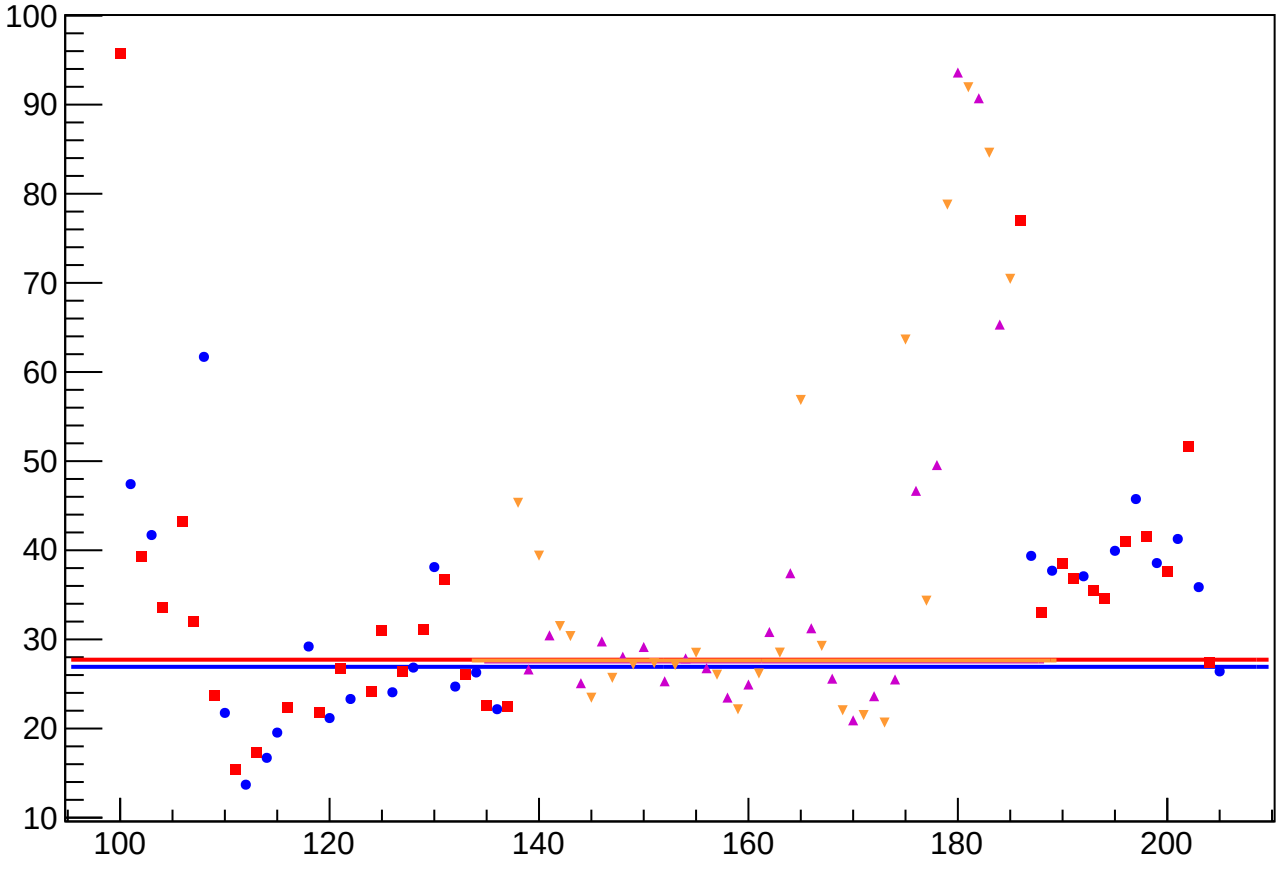
Right: -0.003+/-0.005 χ^2/NDF: 62.7/54

In: -0.008+/-0.005 χ^2/NDF:52.5/47

Out: 0.005+/-0.005 χ^2/NDF:61.5/54

All: -0.001+/-0.004 χ^2/NDF: 117.5/102

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.923+/-0.006 χ^2/NDF: 3043418.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

Right Out: 27.724+/-0.005 χ^2/NDF: 2819417.7/29

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

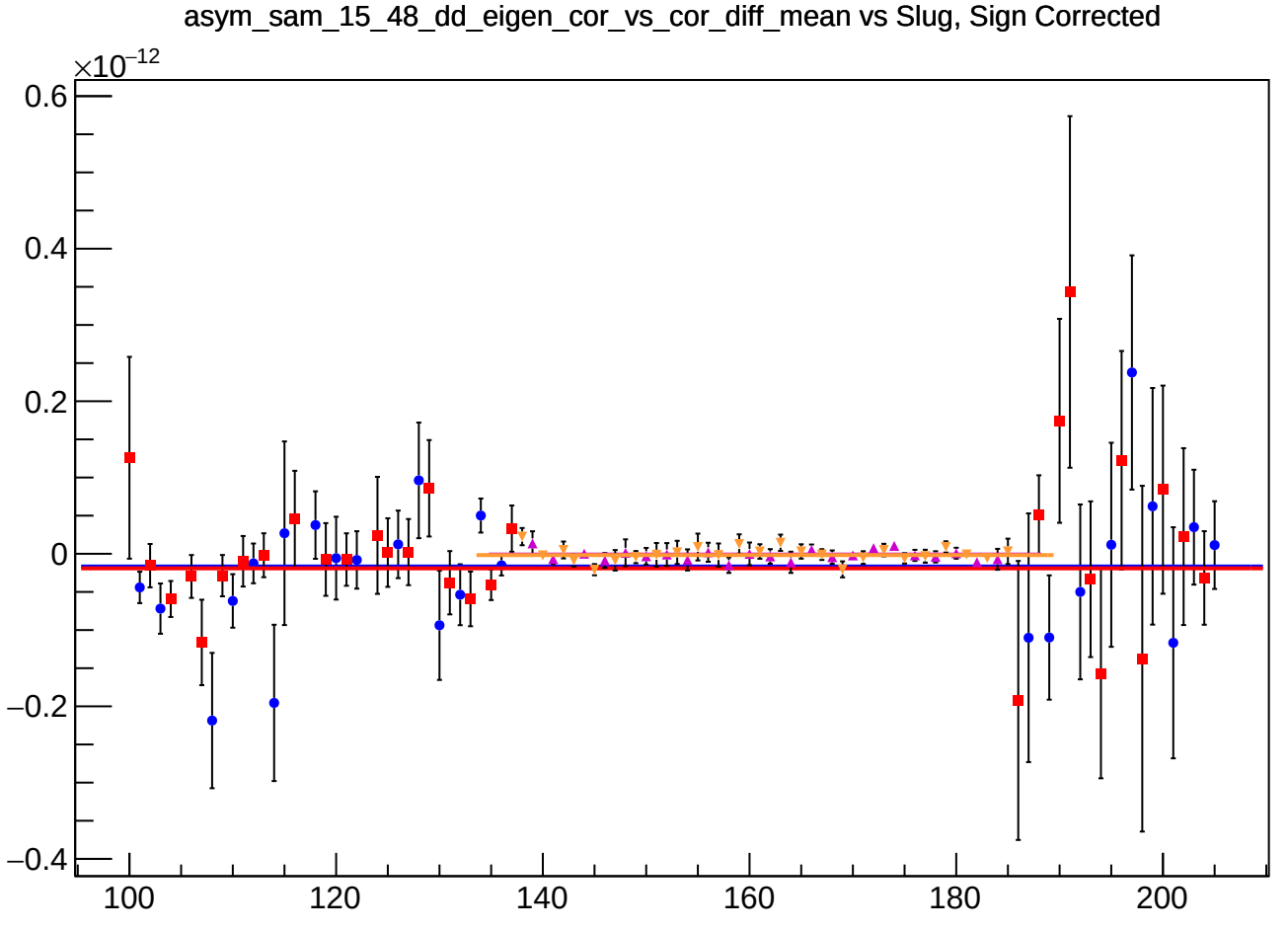
Left: 27.581+/-0.003 χ^2/NDF: 6608790.9/47

Right: 27.335+/-0.004 χ^2/NDF: 5873502.7/54

In: 27.259+/-0.004 χ^2/NDF:5684467.8/47

Out: 27.675+/-0.004 χ^2/NDF:6793593.7/54

All: 27.472+/-0.003 χ^2/NDF: 12484536.9/102



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.4/29

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

Left: -0.000+/-0.000 χ^2/NDF: 41.0/47

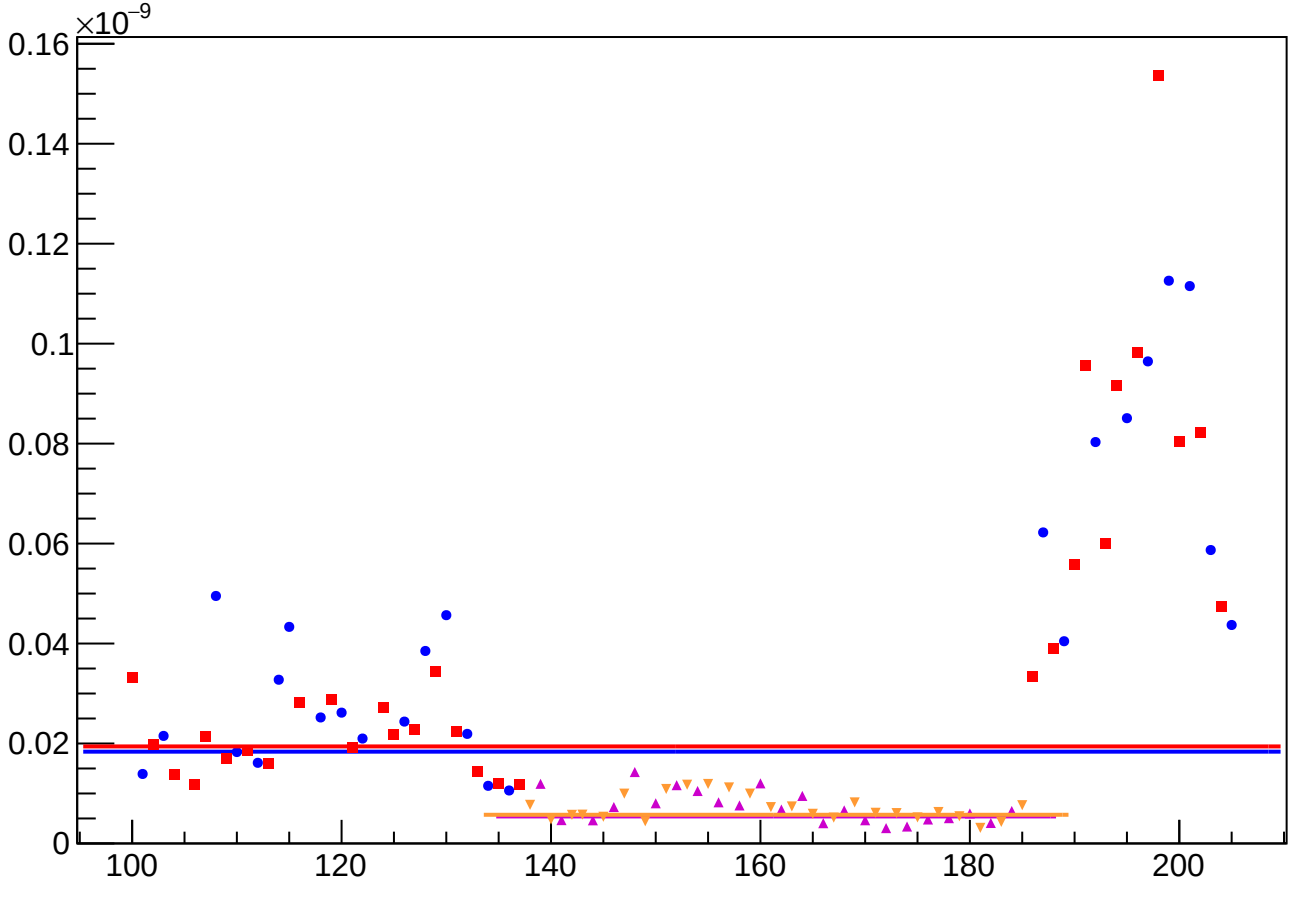
Right: -0.000+/-0.000 χ^2/NDF: 64.3/54

In: -0.000+/-0.000 χ^2/NDF:56.4/47

Out: -0.000+/-0.000 χ^2/NDF:57.8/54

All: -0.000+/-0.000 χ^2/NDF: 114.3/102

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6300014.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5286372.5/29

Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

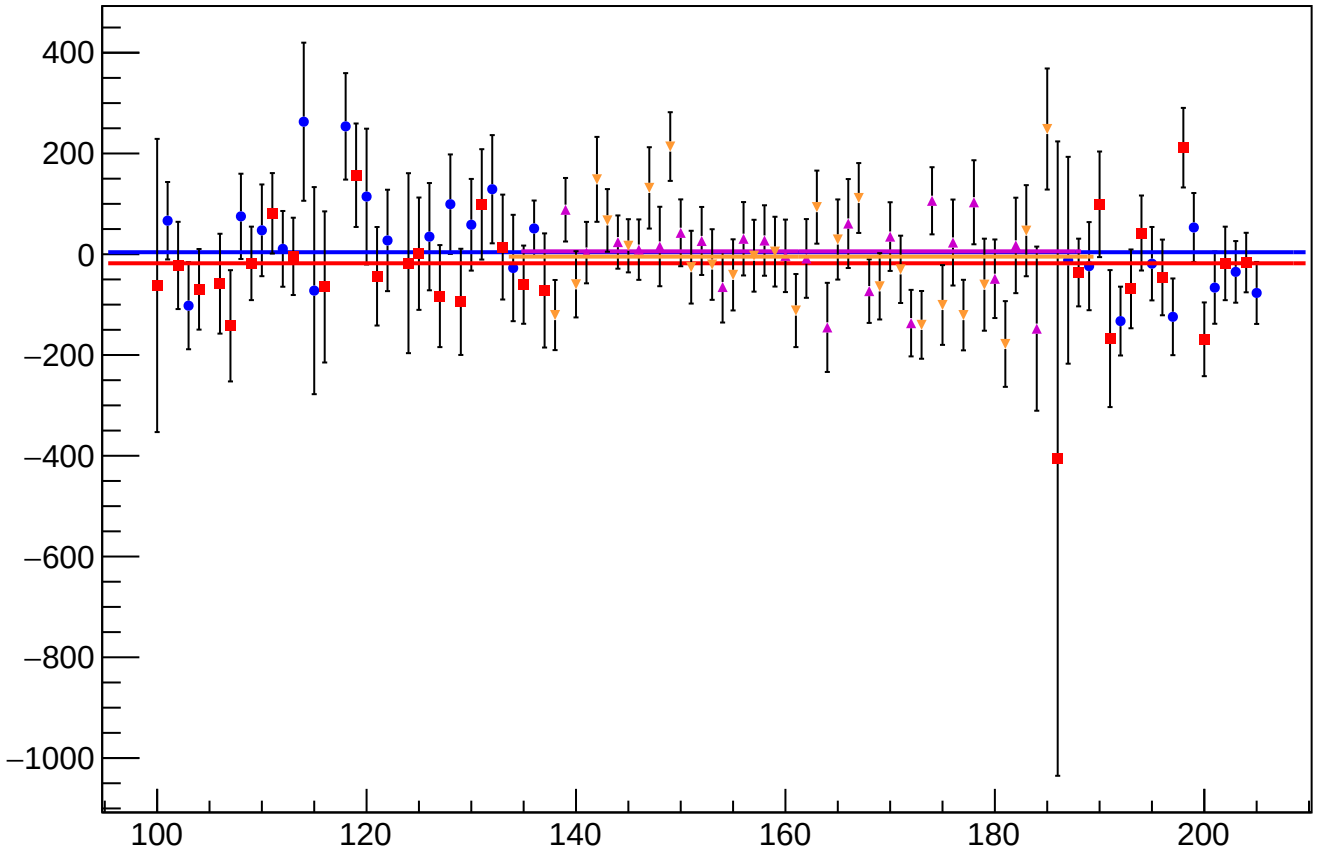
Left: 0.000+/-0.000 χ^2/NDF: 6159899.5/47

Right: 0.000+/-0.000 χ^2/NDF: 11605387.5/54

In: 0.000+/-0.000 χ^2/NDF:15372000.9/47

Out: 0.000+/-0.000 χ^2/NDF:14034922.7/54

All: 0.000+/-0.000 χ^2/NDF: 29452200.4/102



Right In: 4.017+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.945+/-16.496 χ^2/NDF: 26.1/29

Left In: 5.776+/-14.931 χ^2/NDF:18.3/22

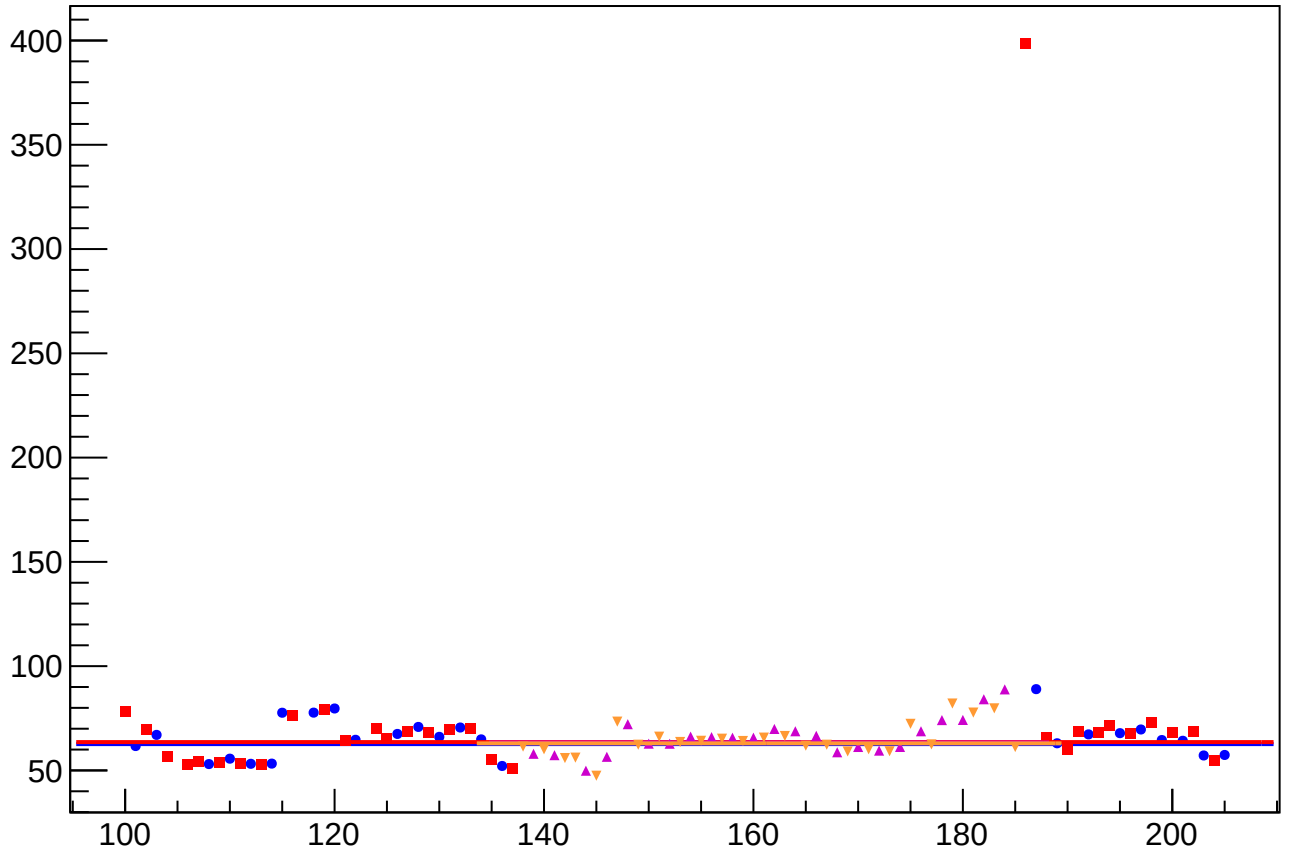
Left: 0.338+/-10.377 χ^2/NDF: 65.9/47

Right: -7.184+/-11.781 χ^2/NDF: 53.4/54

In: 5.002+/-11.169 χ^2/NDF:44.8/47

Out: -10.466+/-10.862 χ^2/NDF:73.8/54

All: -2.948+/-7.787 χ^2/NDF: 119.5/102



Right In: 62.622+/-0.012 χ^2/NDF: 372925.2/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.587+/-0.012 χ^2/NDF: 1009178.3/29

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

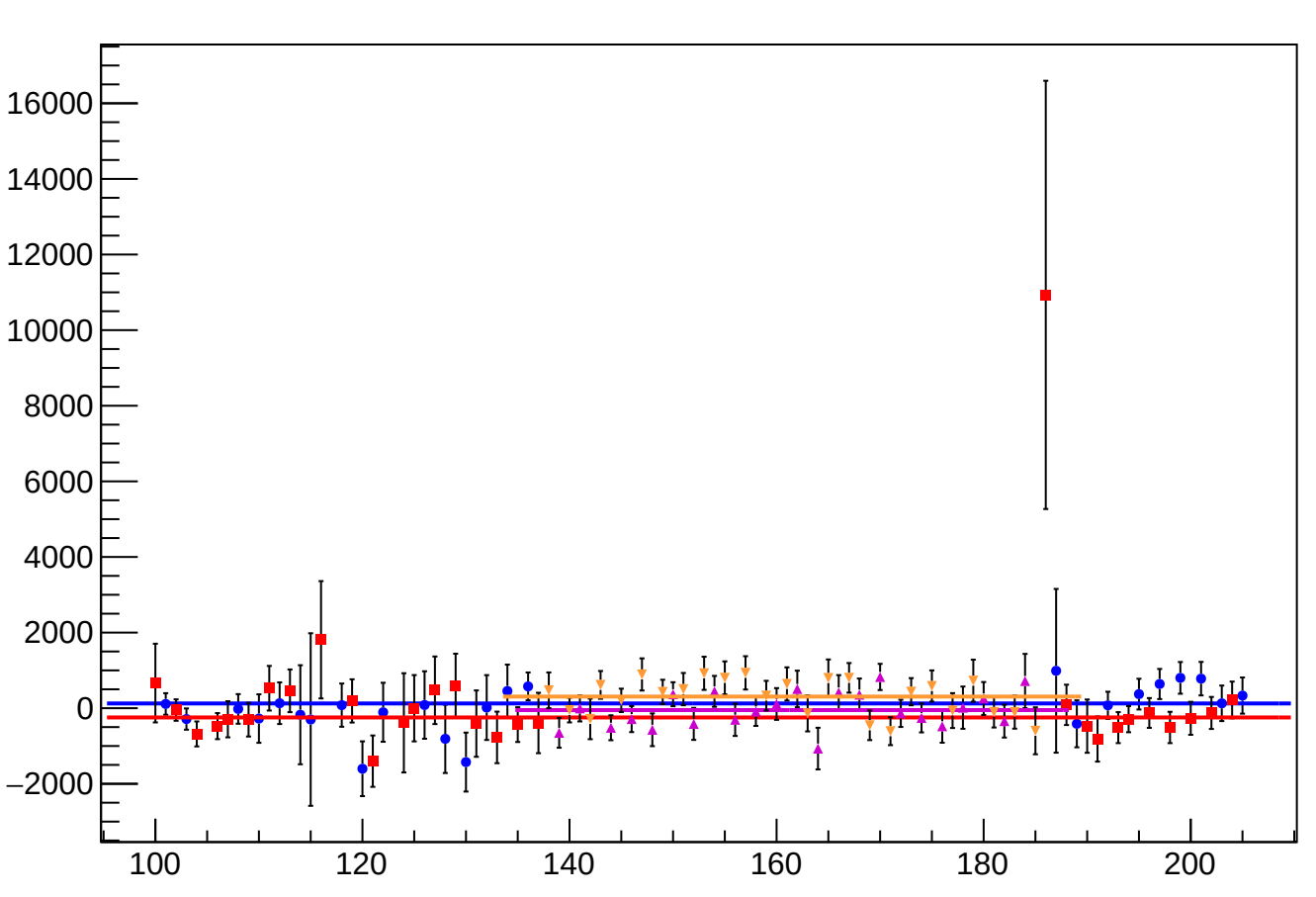
Left: 63.164+/-0.007 χ^2/NDF: 1024488.5/47

Right: 63.114+/-0.008 χ^2/NDF: 1385457.6/54

In: 63.038+/-0.008 χ^2/NDF:872033.2/47

Out: 63.241+/-0.008 χ^2/NDF:1537593.2/54

All: 63.142+/-0.006 χ^2/NDF: 2409966.1/102



Right In: 125.364+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: -245.020+/-92.724 χ^2/NDF: 21.8/29

Left In: -50.030+/-84.838 χ^2/NDF:27.3/22

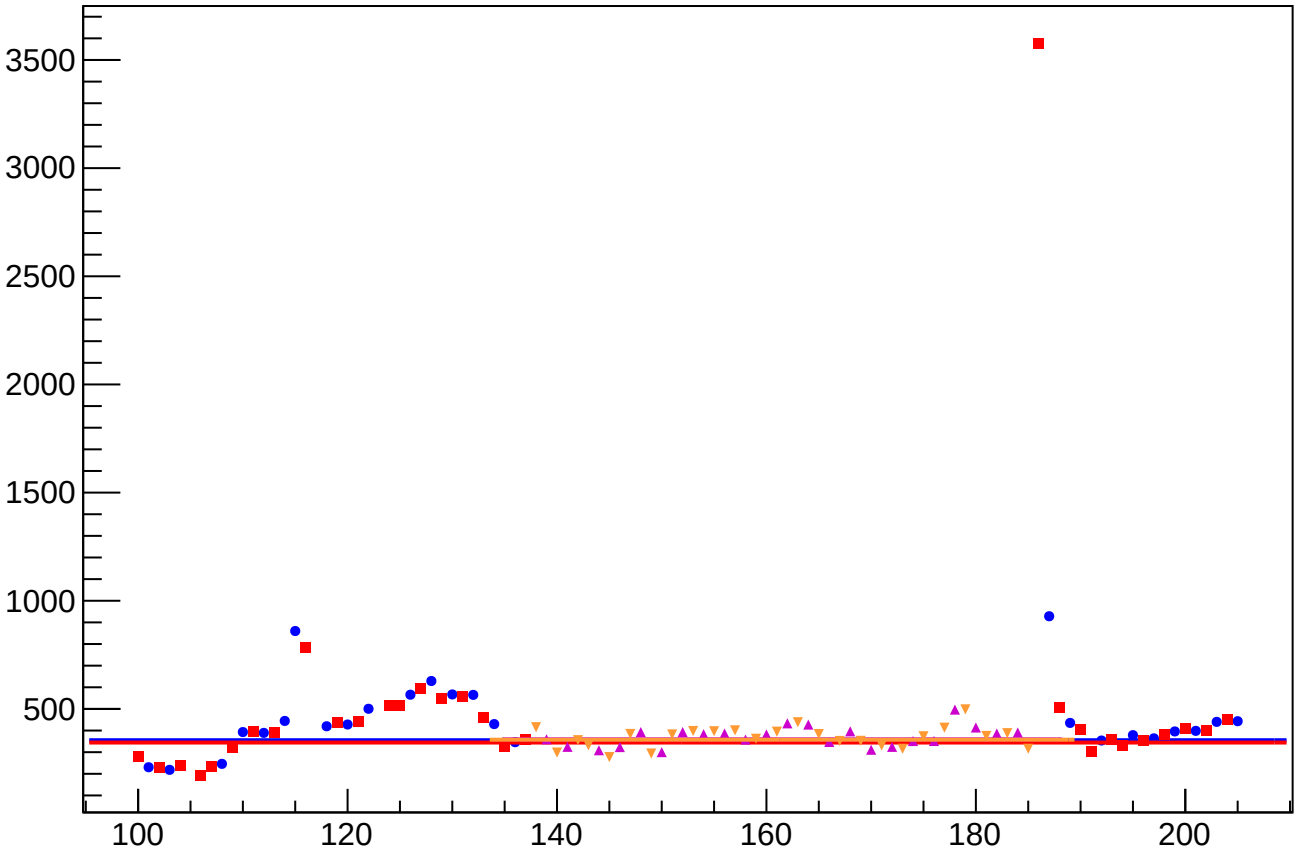
Left: 133.867+/-59.094 χ^2/NDF: 67.0/47

Right: -71.954+/-67.678 χ^2/NDF: 52.5/54

In: 24.228+/-64.422 χ^2/NDF:52.3/47

Out: 63.651+/-61.577 χ^2/NDF:72.2/54

All: 44.829+/-44.514 χ^2/NDF: 124.8/102



Right In: 355.297+/-0.070 χ^2/NDF: 2186350.8/24

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 344.565+/-0.066 χ^2/NDF: 2976130.4/29

Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

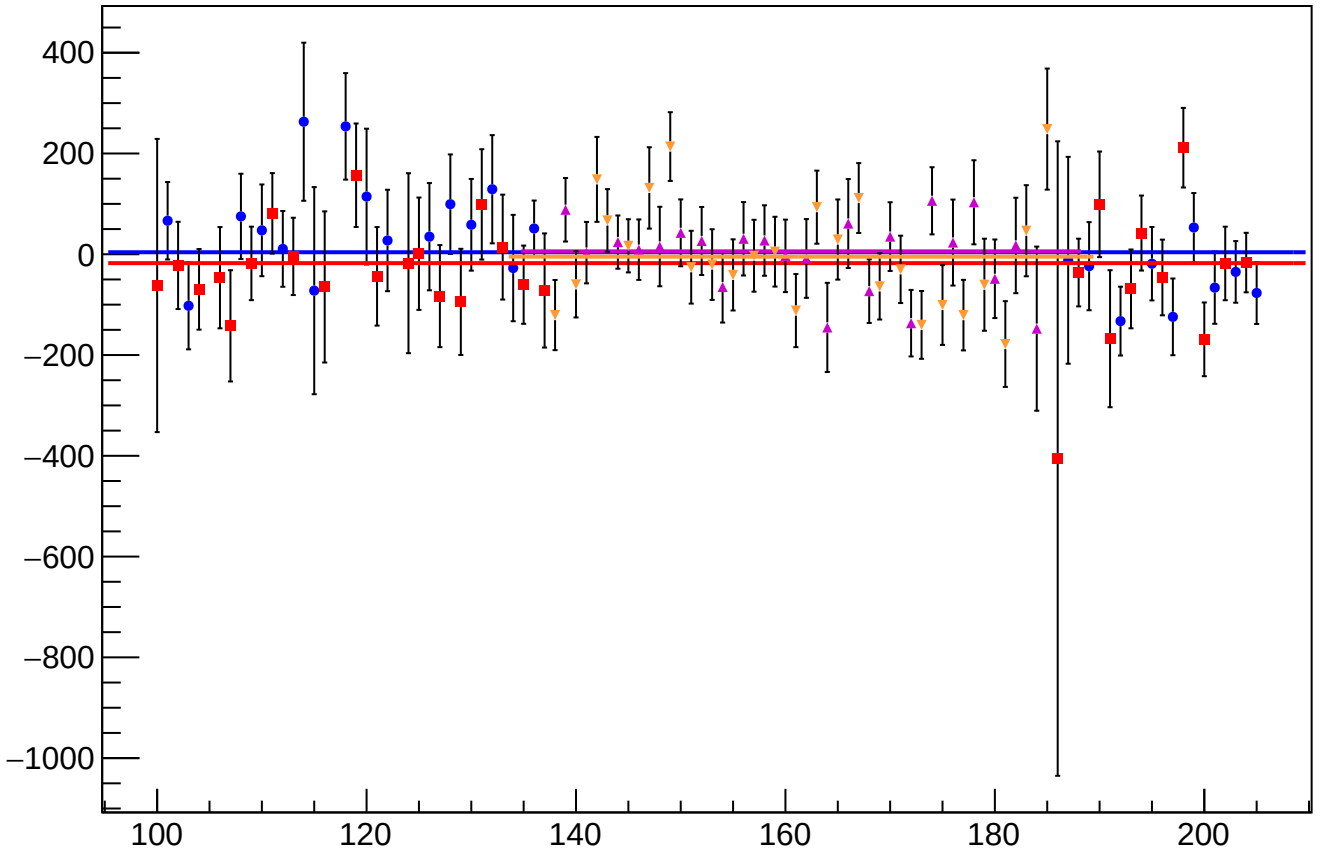
Left: 358.517+/-0.042 χ^2/NDF: 1203865.1/47

Right: 349.580+/-0.048 χ^2/NDF: 5175001.5/54

In: 357.634+/-0.046 χ^2/NDF:2708043.0/47

Out: 351.925+/-0.044 χ^2/NDF:3682403.2/54

All: 354.651+/-0.031 χ^2/NDF: 6398655.2/102



Right In: 4.012+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.591+/-16.502 χ^2/NDF: 26.0/29

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

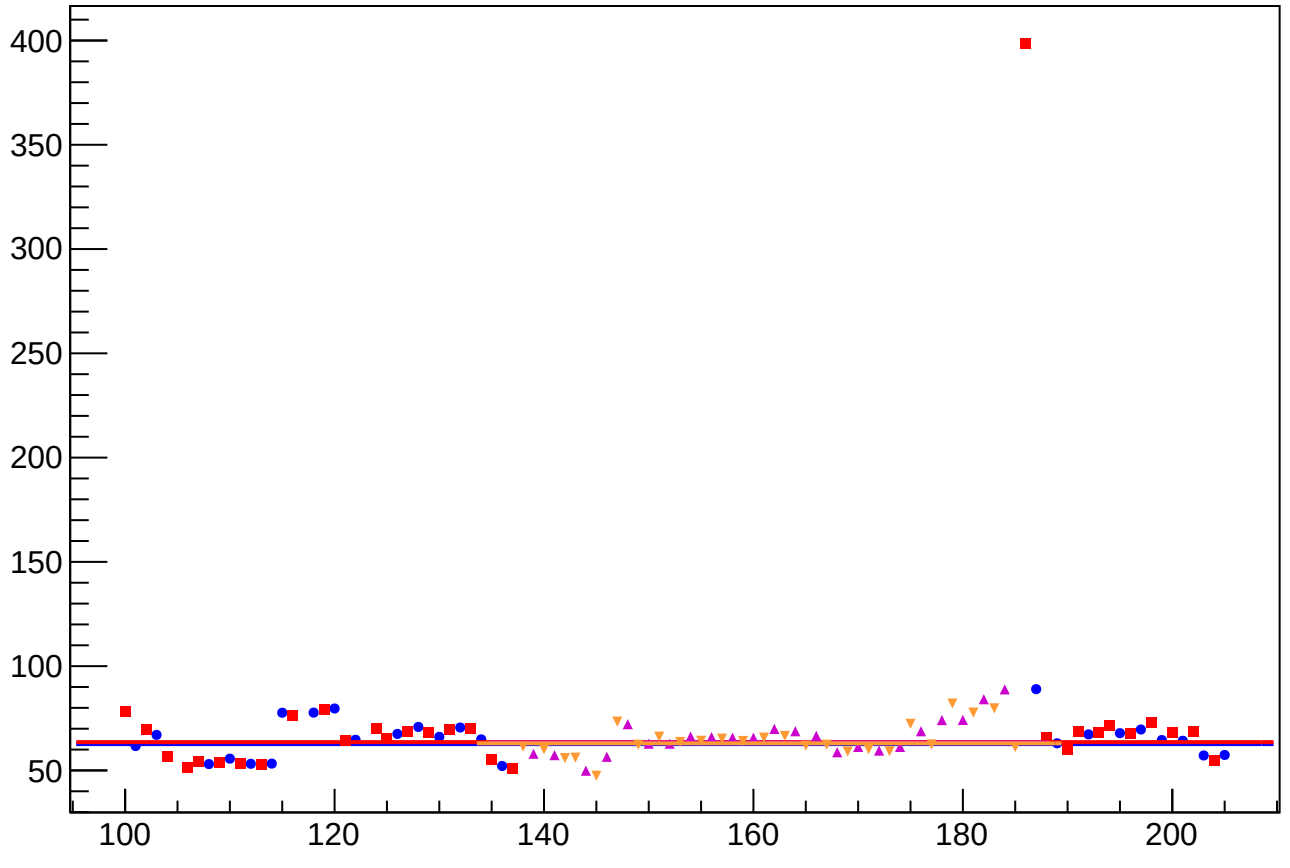
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -7.002+/-11.783 χ^2/NDF: 53.3/54

In: 4.999+/-11.169 χ^2/NDF:44.8/47

Out: -10.313+/-10.863 χ^2/NDF:73.7/54

All: -2.870+/-7.787 χ^2/NDF: 119.4/102



Right In: 62.622+/-0.012 χ^2/NDF: 372925.3/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.568+/-0.012 χ^2/NDF: 1013377.8/29

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

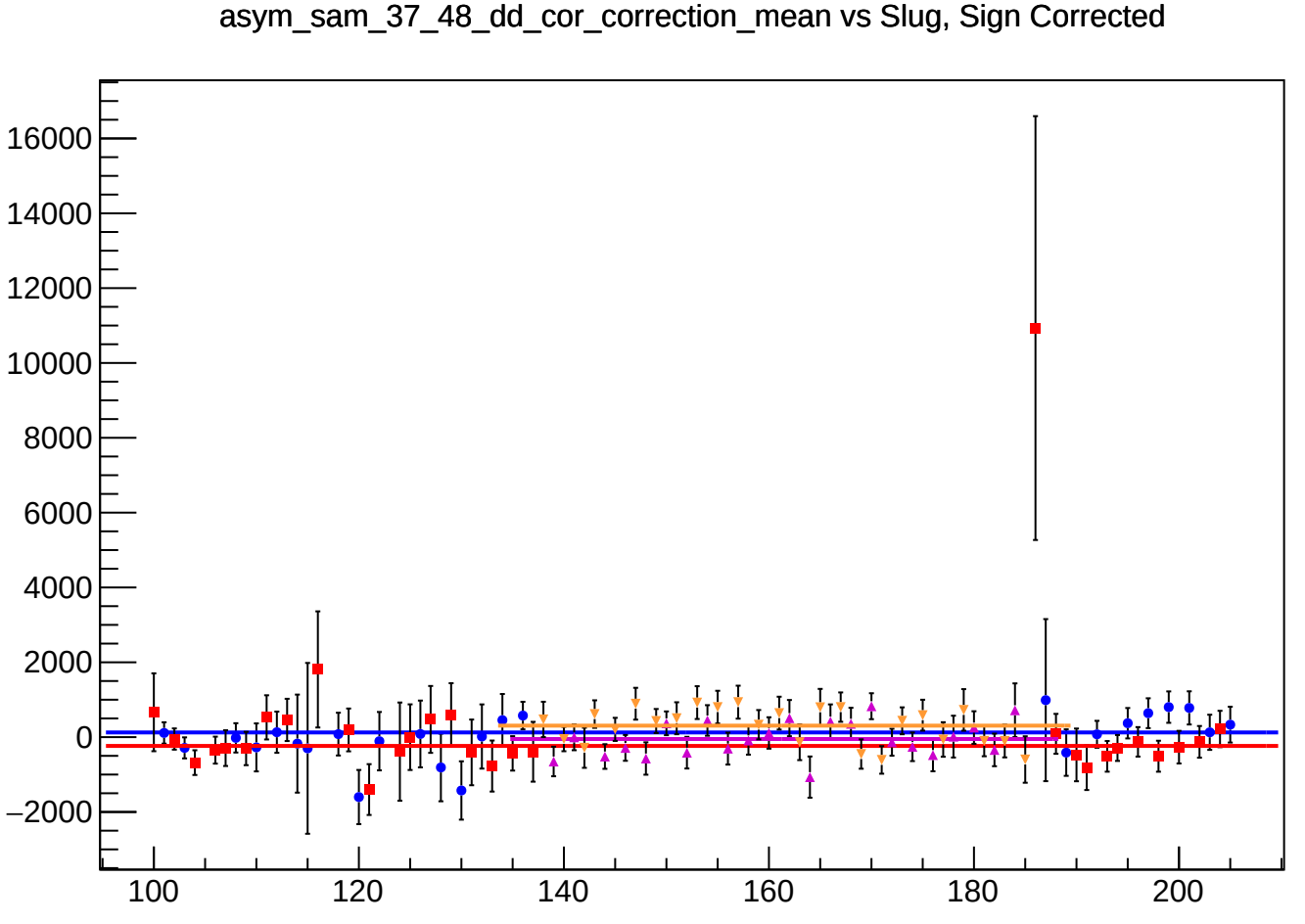
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.104+/-0.008 χ^2/NDF: 1389520.1/54

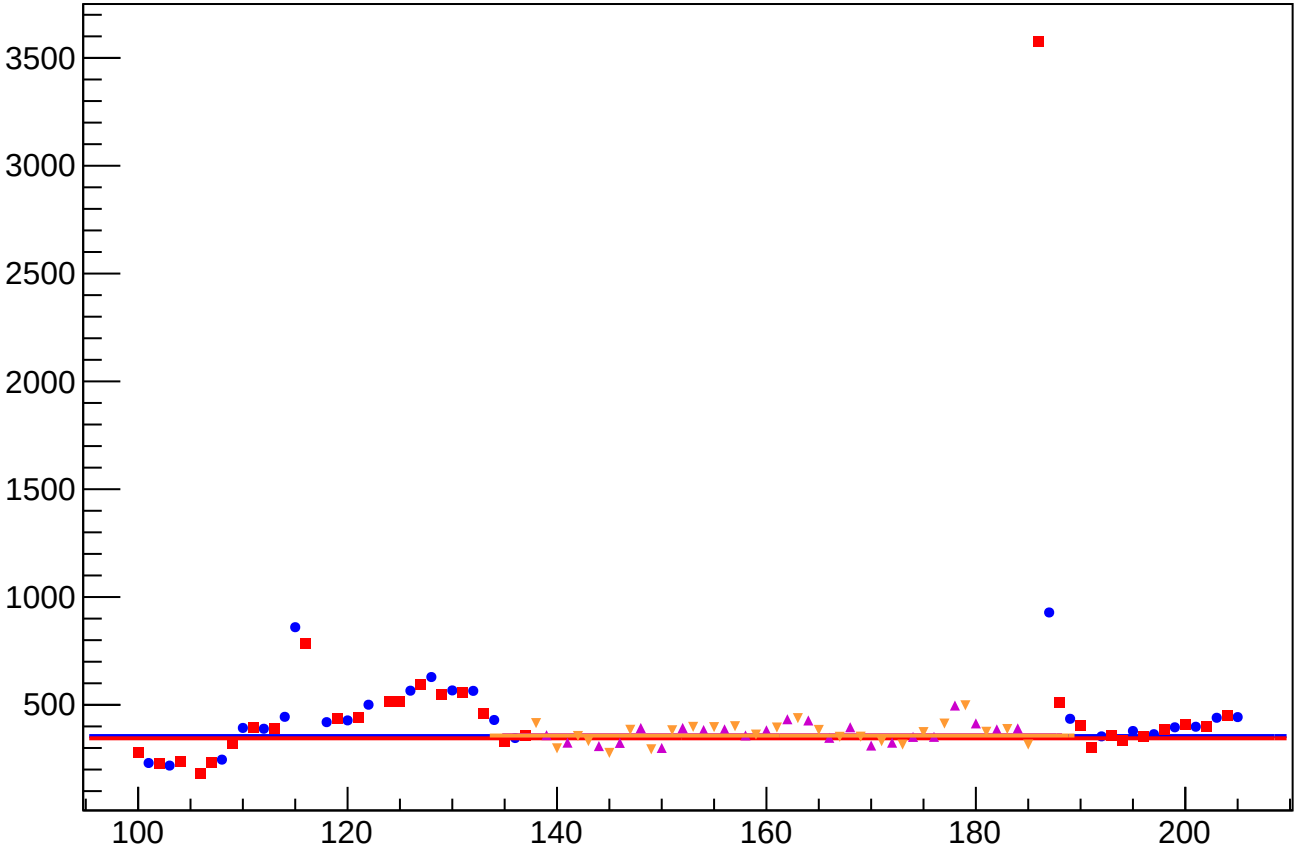
In: 63.038+/-0.008 χ^2/NDF:872033.4/47

Out: 63.232+/-0.008 χ^2/NDF:1541693.2/54

All: 63.138+/-0.006 χ^2/NDF: 2414037.9/102


asym_sam_37_48_dd_cor_correction_mean vs Slug, Sign Corrected
16000
14000
12000
10000
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 125.372+/-99.008 χ²/NDF: 23.3/24
Left Out: 307.177+/-82.361 χ²/NDF:30.6/24
Right Out: -235.287+/-93.025 χ²/NDF: 21.4/29
Left In: -50.029+/-84.838 χ²/NDF:27.3/22
Left: 133.864+/-59.094 χ²/NDF: 67.0/47
Right: -66.184+/-67.795 χ²/NDF: 51.7/54
In: 24.232+/-64.422 χ²/NDF:52.3/47
Out: 68.805+/-61.665 χ²/NDF:71.1/54
All: 47.493+/-44.547 χ²/NDF: 123.7/102

asym_sam_37_48_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.299+/-0.070 χ^2/NDF: 2186269.5/24

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 344.872+/-0.066 χ^2/NDF: 2991579.9/29

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

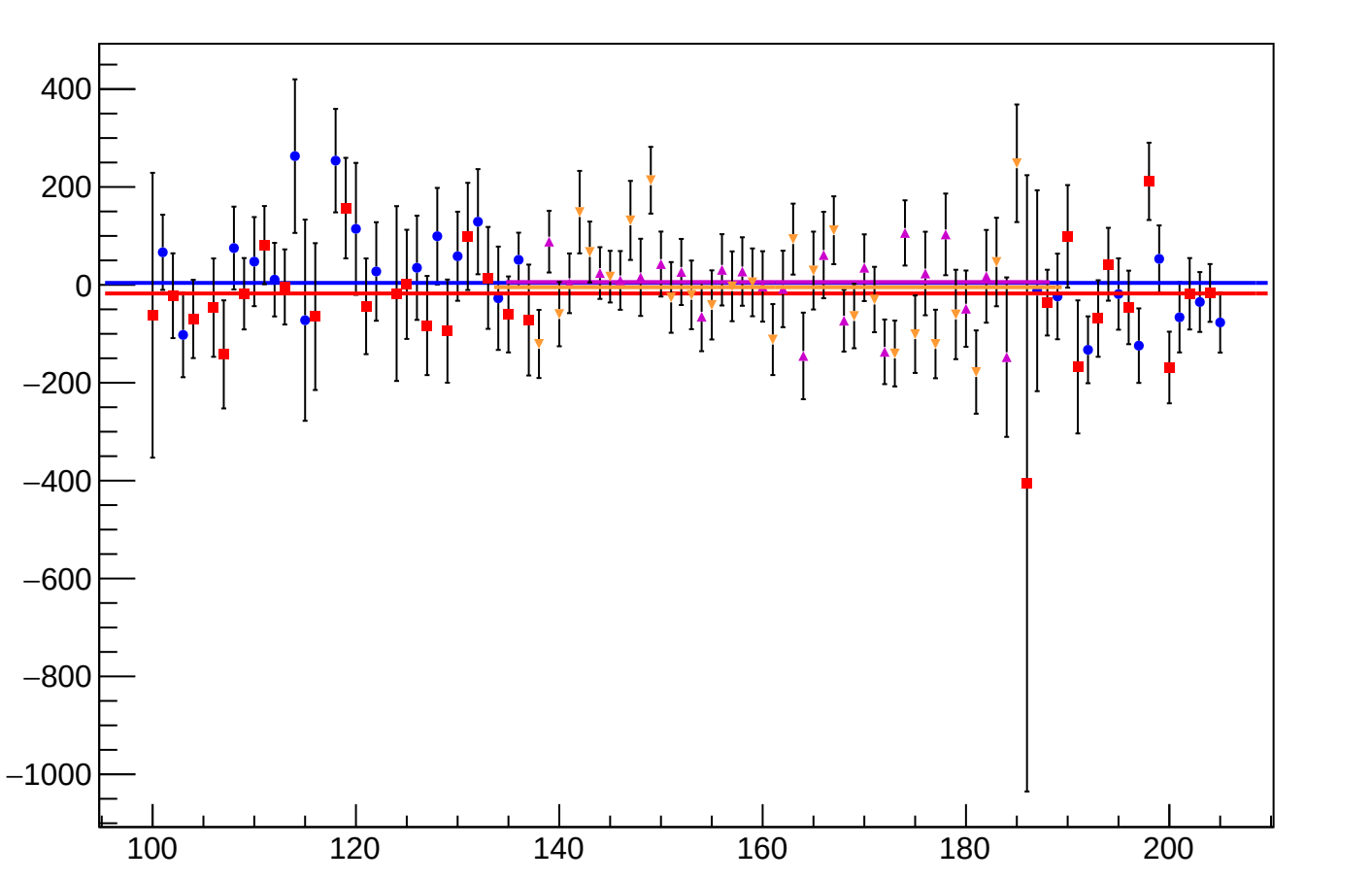
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 349.761+/-0.048 χ^2/NDF: 5189630.2/54

In: 357.635+/-0.046 χ^2/NDF:2707962.7/47

Out: 352.081+/-0.044 χ^2/NDF:3696729.7/54

All: 354.737+/-0.031 χ^2/NDF: 6412449.9/102



Right In: 4.012+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -17.591+/-16.502 χ^2/NDF: 26.0/29

Left In: 5.775+/-14.931 χ^2/NDF:18.3/22

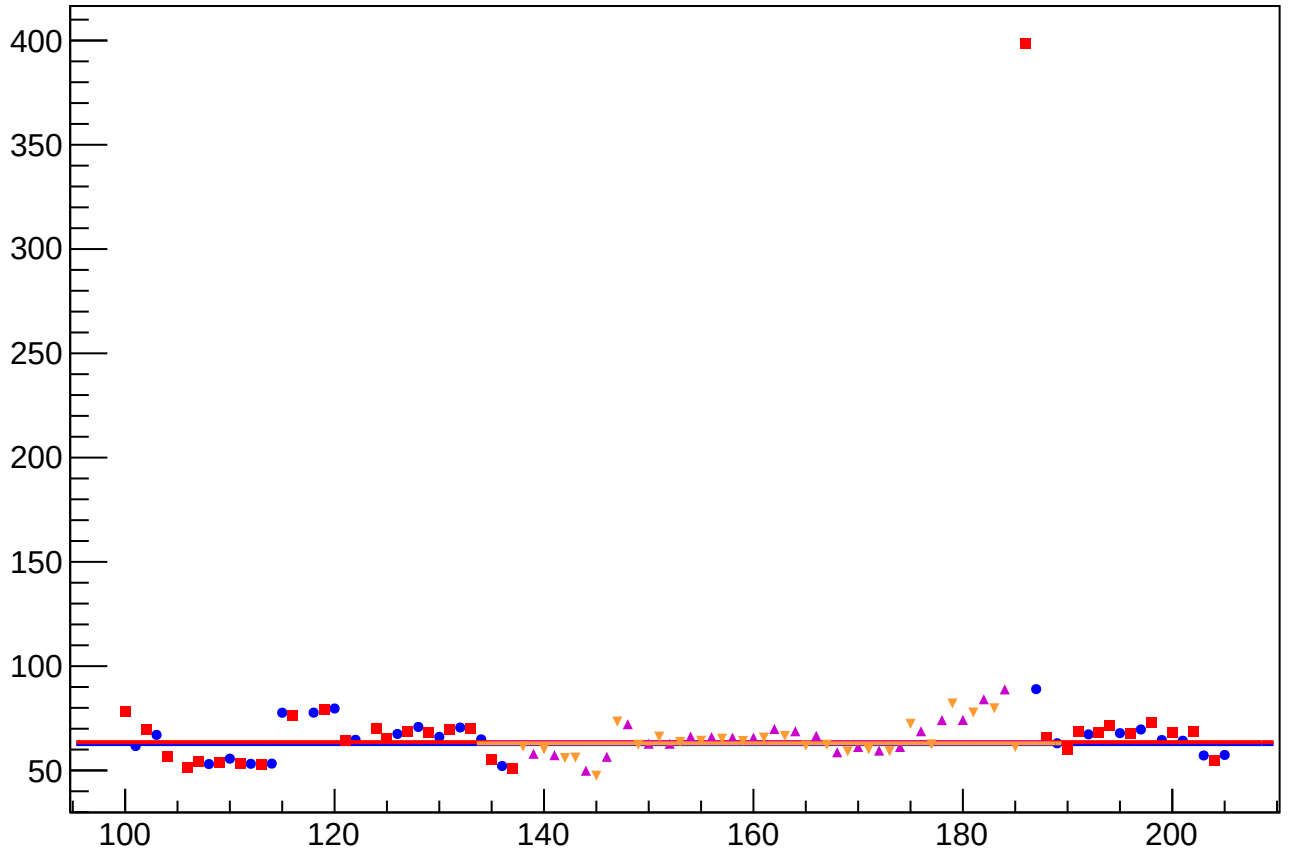
Left: 0.335+/-10.377 χ^2/NDF: 65.9/47

Right: -7.002+/-11.783 χ^2/NDF: 53.3/54

In: 4.999+/-11.169 χ^2/NDF:44.8/47

Out: -10.313+/-10.863 χ^2/NDF:73.7/54

All: -2.870+/-7.787 χ^2/NDF: 119.4/102



Right In: 62.622+/-0.012 χ^2/NDF: 372925.3/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.568+/-0.012 χ^2/NDF: 1013377.8/29

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

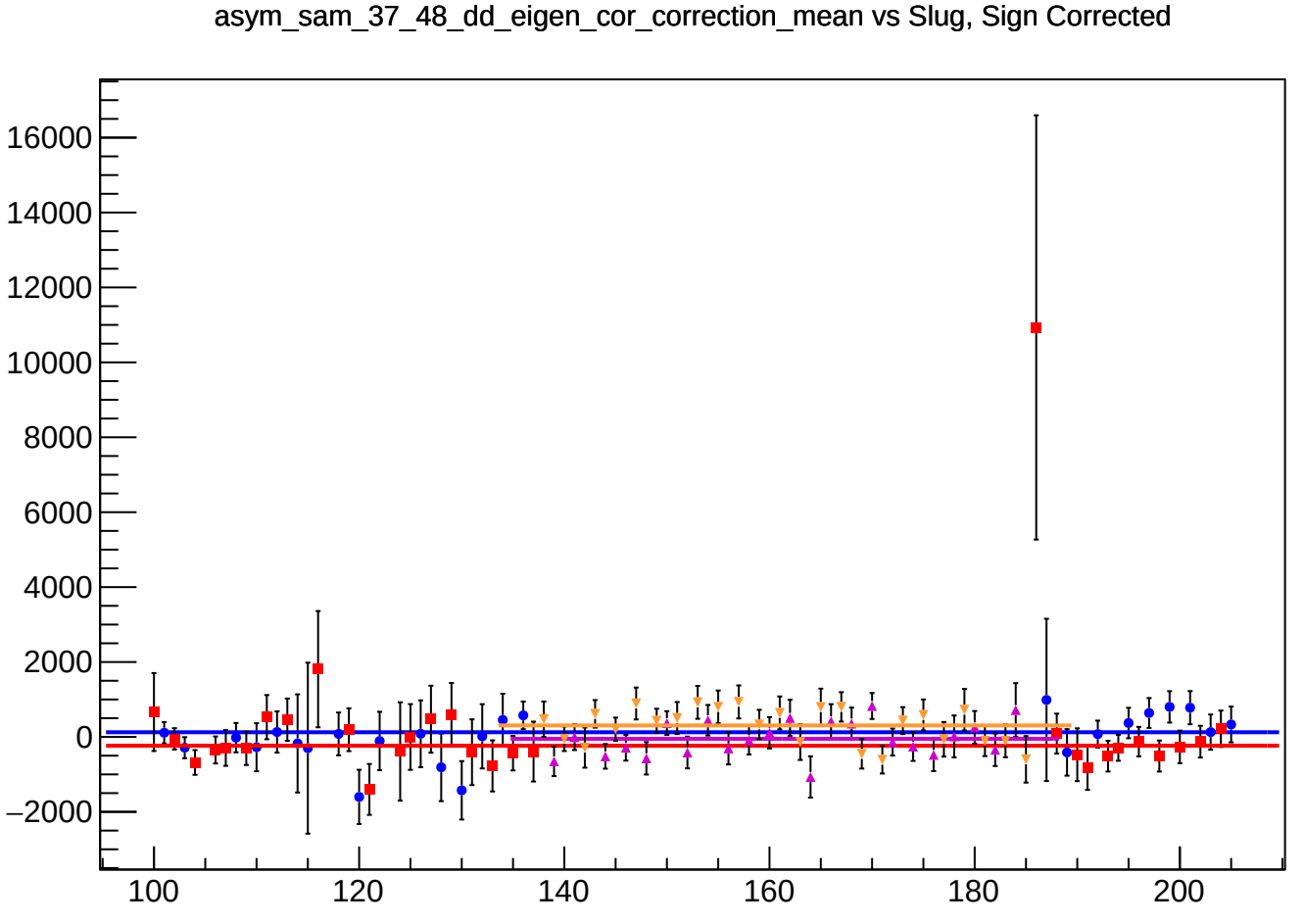
Left: 63.164+/-0.007 χ^2/NDF: 1024488.6/47

Right: 63.104+/-0.008 χ^2/NDF: 1389520.1/54

In: 63.038+/-0.008 χ^2/NDF:872033.4/47

Out: 63.232+/-0.008 χ^2/NDF:1541693.2/54

All: 63.138+/-0.006 χ^2/NDF: 2414037.9/102



Right In: 125.372+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: -235.287+/-93.025 χ^2/NDF: 21.4/29

Left In: -50.029+/-84.838 χ^2/NDF:27.3/22

Left: 133.864+/-59.094 χ^2/NDF: 67.0/47

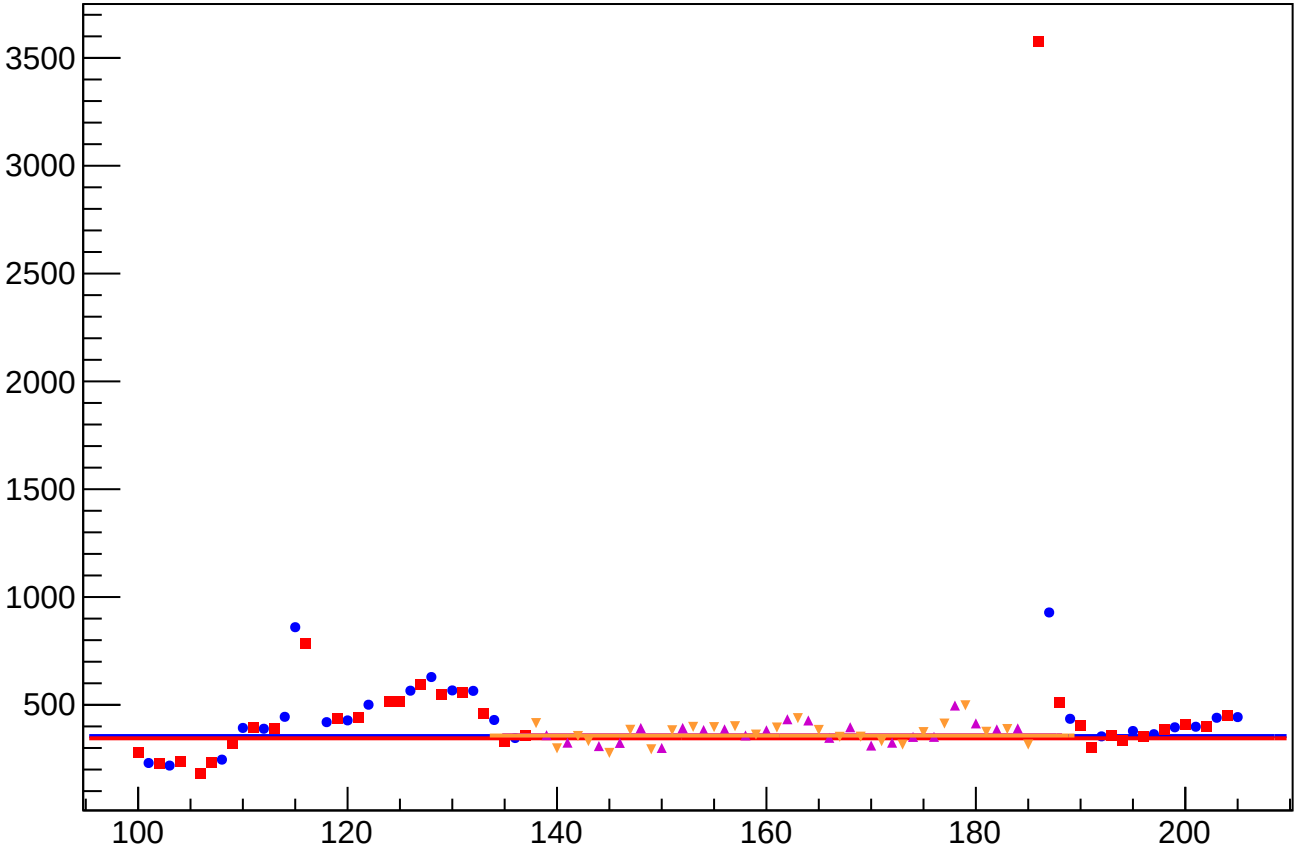
Right: -66.184+/-67.795 χ^2/NDF: 51.7/54

In: 24.232+/-64.422 χ^2/NDF:52.3/47

Out: 68.805+/-61.665 χ^2/NDF:71.1/54

All: 47.493+/-44.547 χ^2/NDF: 123.7/102

asym_sam_37_48_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 355.299+/-0.070 χ^2/NDF: 2186269.5/24

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 344.872+/-0.066 χ^2/NDF: 2991579.9/29

Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

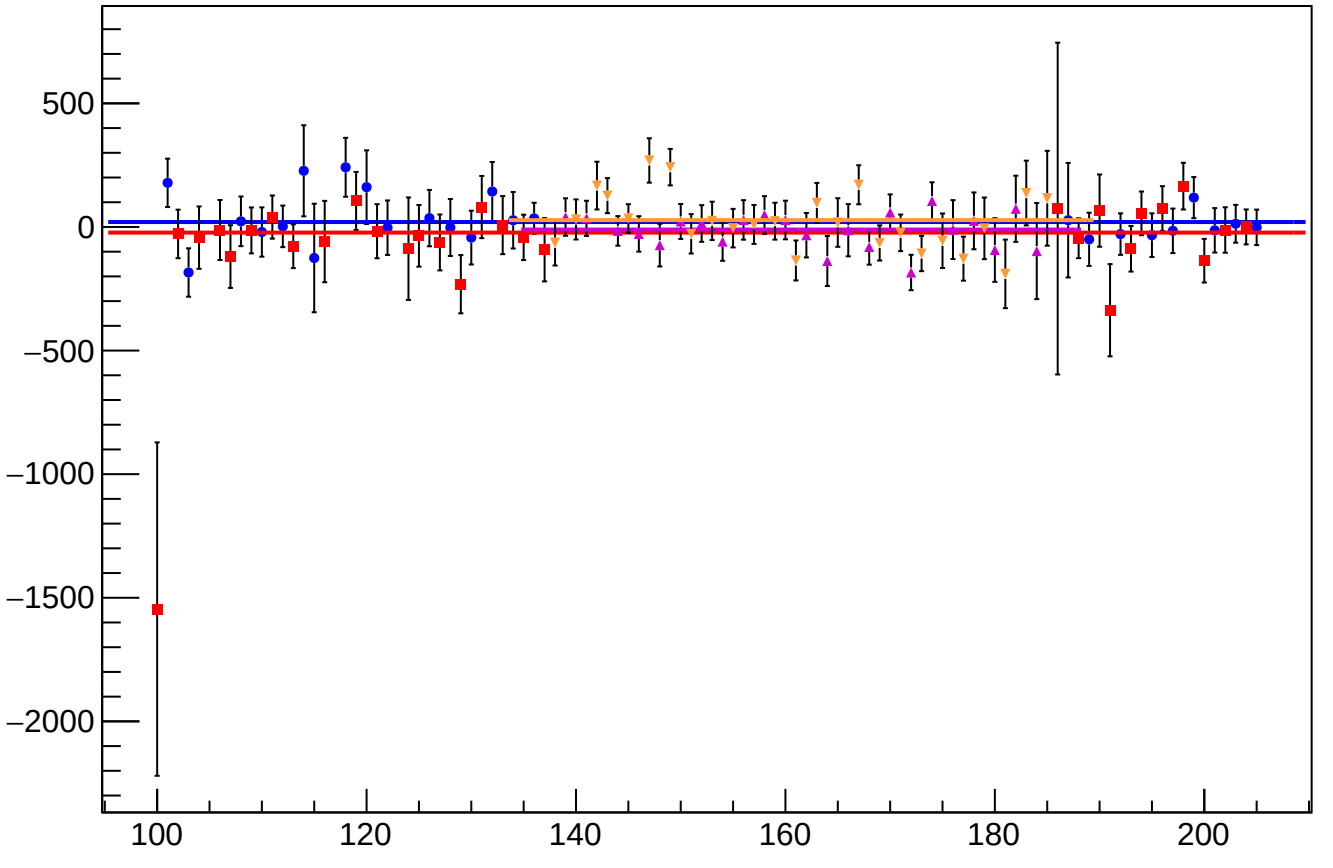
Left: 358.517+/-0.042 χ^2/NDF: 1203863.9/47

Right: 349.761+/-0.048 χ^2/NDF: 5189630.2/54

In: 357.635+/-0.046 χ^2/NDF:2707962.7/47

Out: 352.081+/-0.044 χ^2/NDF:3696729.7/54

All: 354.737+/-0.031 χ^2/NDF: 6412449.9/102



Right In: 19.941+/-19.746 χ^2/NDF: 17.7/24

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: -22.723+/-19.694 χ^2/NDF: 23.8/29

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

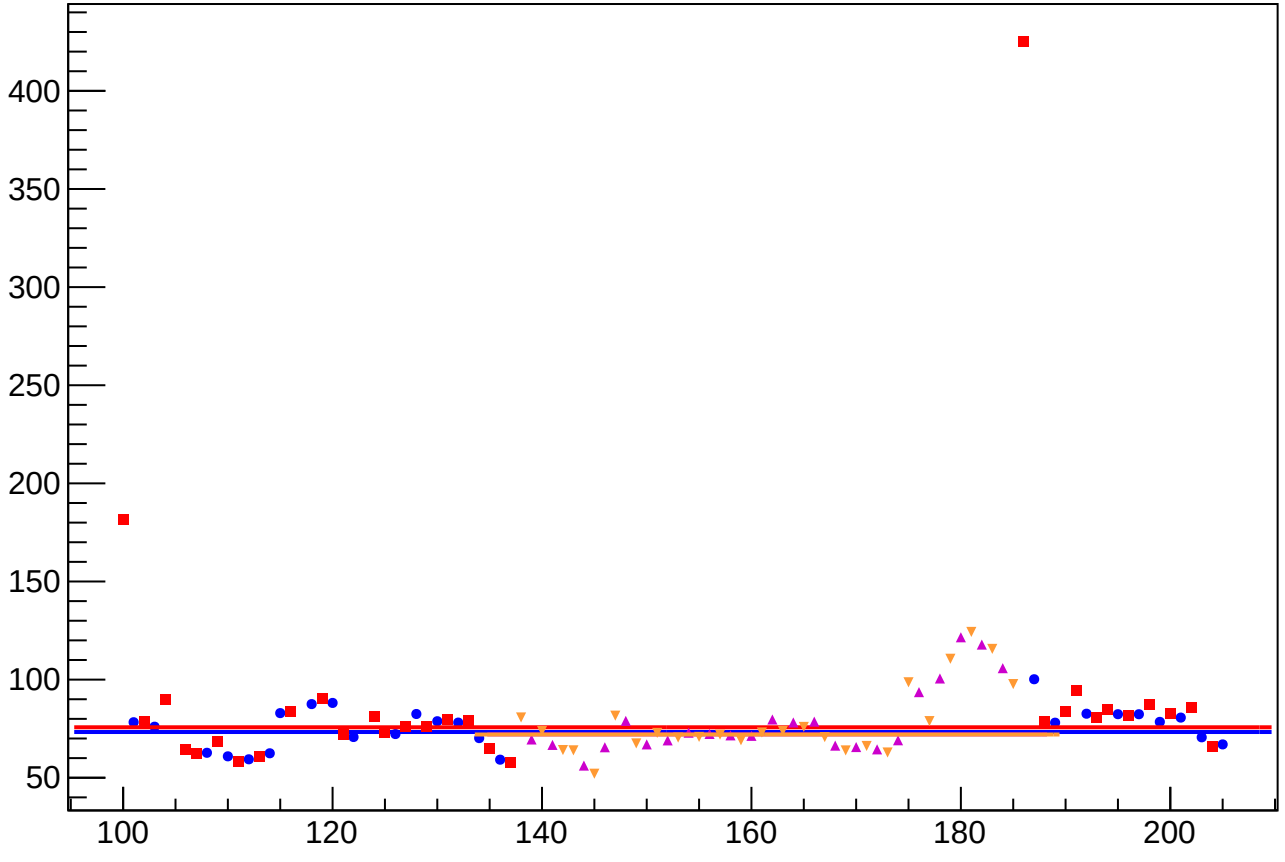
Right: -1.447+/-13.944 χ^2/NDF: 43.9/54

In: 2.643+/-12.980 χ^2/NDF:35.2/47

Out: 6.504+/-12.756 χ^2/NDF:70.0/54

All: 4.607+/-9.098 χ^2/NDF: 105.1/102

dit_asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 73.300+/-0.014 χ^2/NDF: 433369.8/24

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.713+/-0.014 χ^2/NDF: 1088871.0/29

Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

Left: 72.066+/-0.008 χ^2/NDF: 2328338.2/47

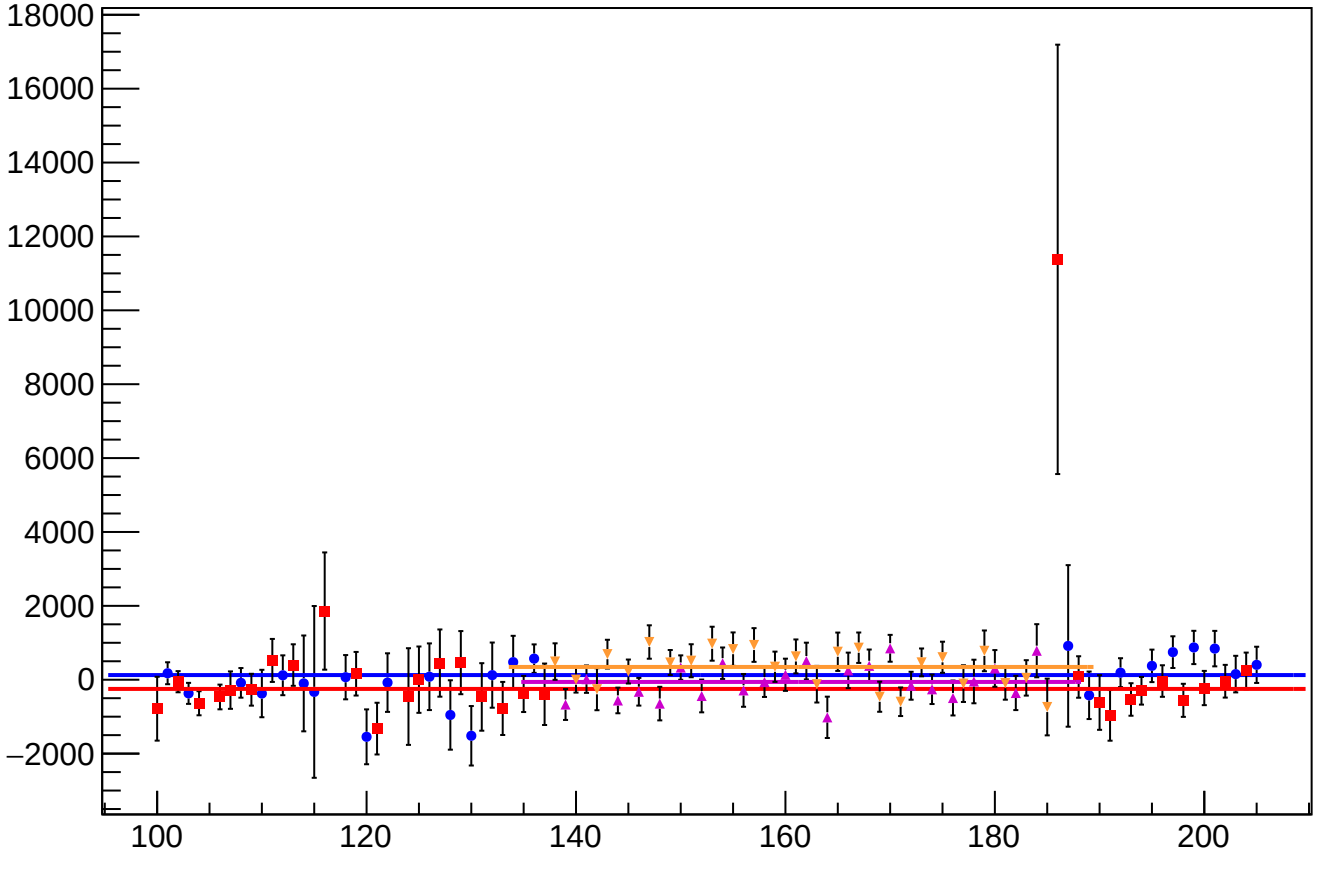
Right: 74.510+/-0.010 χ^2/NDF: 1537203.6/54

In: 72.614+/-0.009 χ^2/NDF:1496479.3/47

Out: 73.581+/-0.009 χ^2/NDF:2398700.5/54

All: 73.106+/-0.006 χ^2/NDF: 3900824.7/102

asym_sam_37_48_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 126.270+/-103.189 χ^2/NDF: 24.8/24

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: -248.792+/-95.565 χ^2/NDF: 20.5/29

Left In: -59.908+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

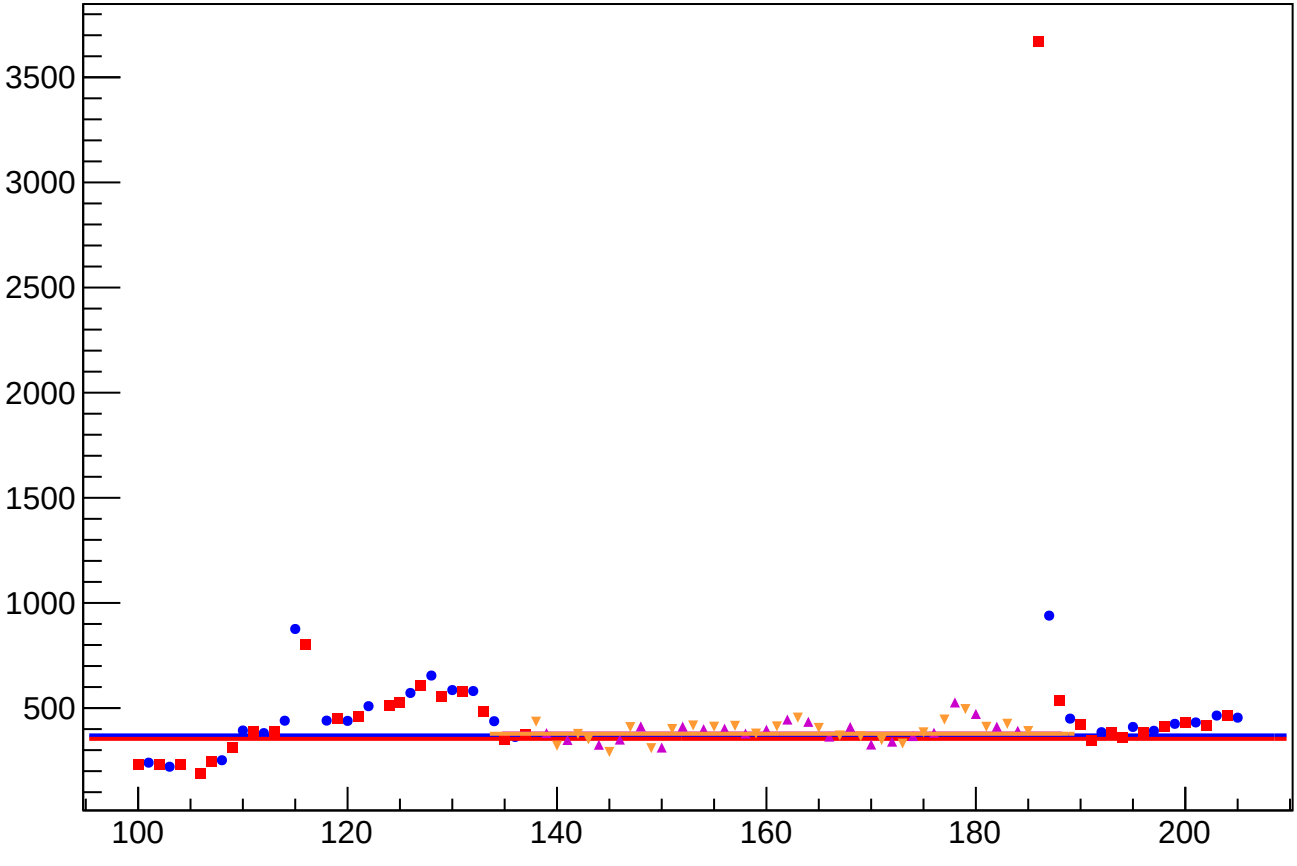
Right: -75.627+/-70.115 χ^2/NDF: 52.4/54

In: 19.931+/-67.573 χ^2/NDF:52.5/47

Out: 77.035+/-64.262 χ^2/NDF:70.7/54

All: 49.916+/-46.567 χ^2/NDF: 123.6/102

asym_sam_37_48_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.004+/-0.073 χ^2/NDF: 2260339.7/24

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 353.660+/-0.068 χ^2/NDF: 3251197.7/29

Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

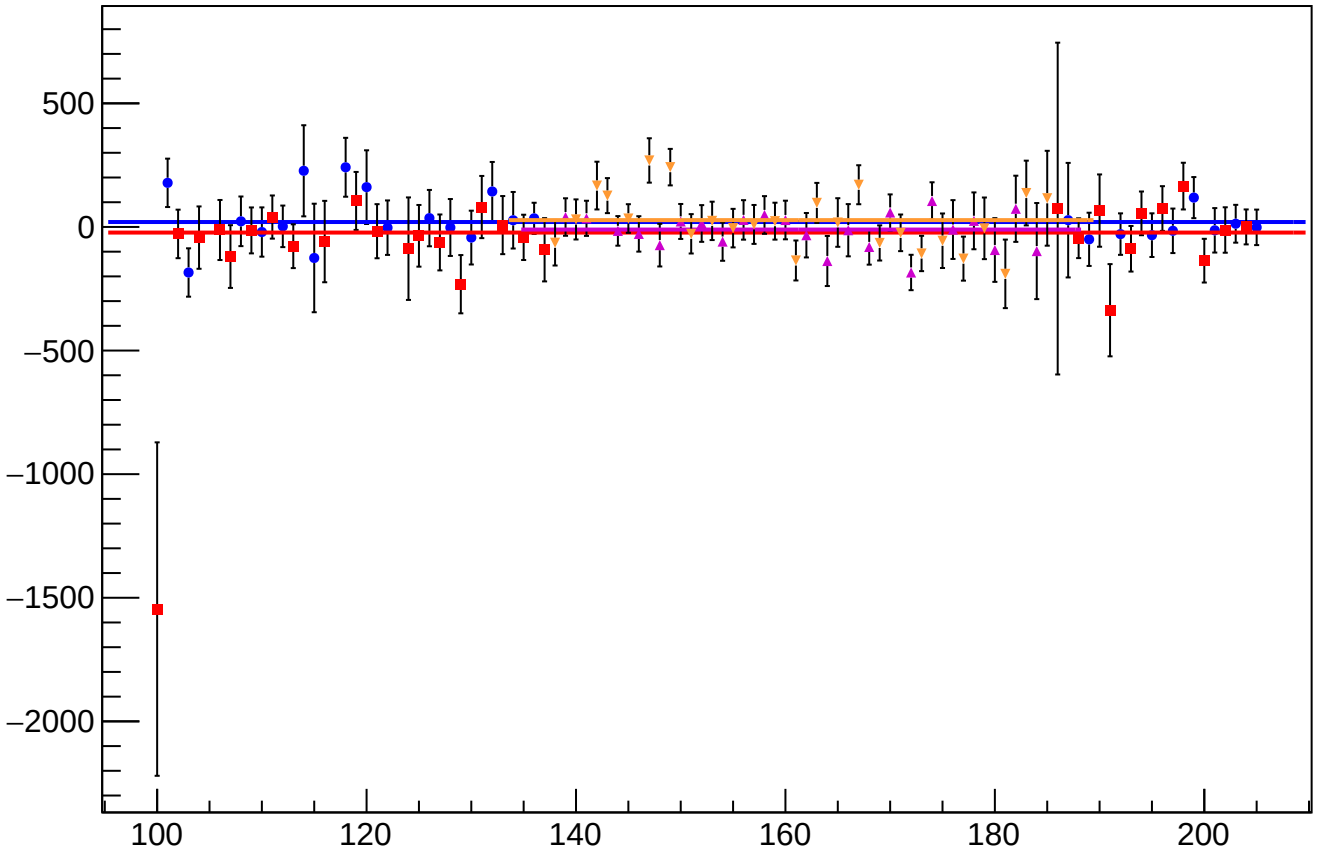
Left: 378.317+/-0.044 χ^2/NDF: 1164548.1/47

Right: 361.206+/-0.050 χ^2/NDF: 5538545.7/54

In: 375.067+/-0.048 χ^2/NDF:2796457.1/47

Out: 366.883+/-0.045 χ^2/NDF:3957806.1/54

All: 370.769+/-0.033 χ^2/NDF: 6769671.1/102



Right In: 19.941+/-19.746 χ^2/NDF: 17.7/24

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: -22.723+/-19.694 χ^2/NDF: 23.8/29

Left In: -10.521+/-17.225 χ^2/NDF:16.1/22

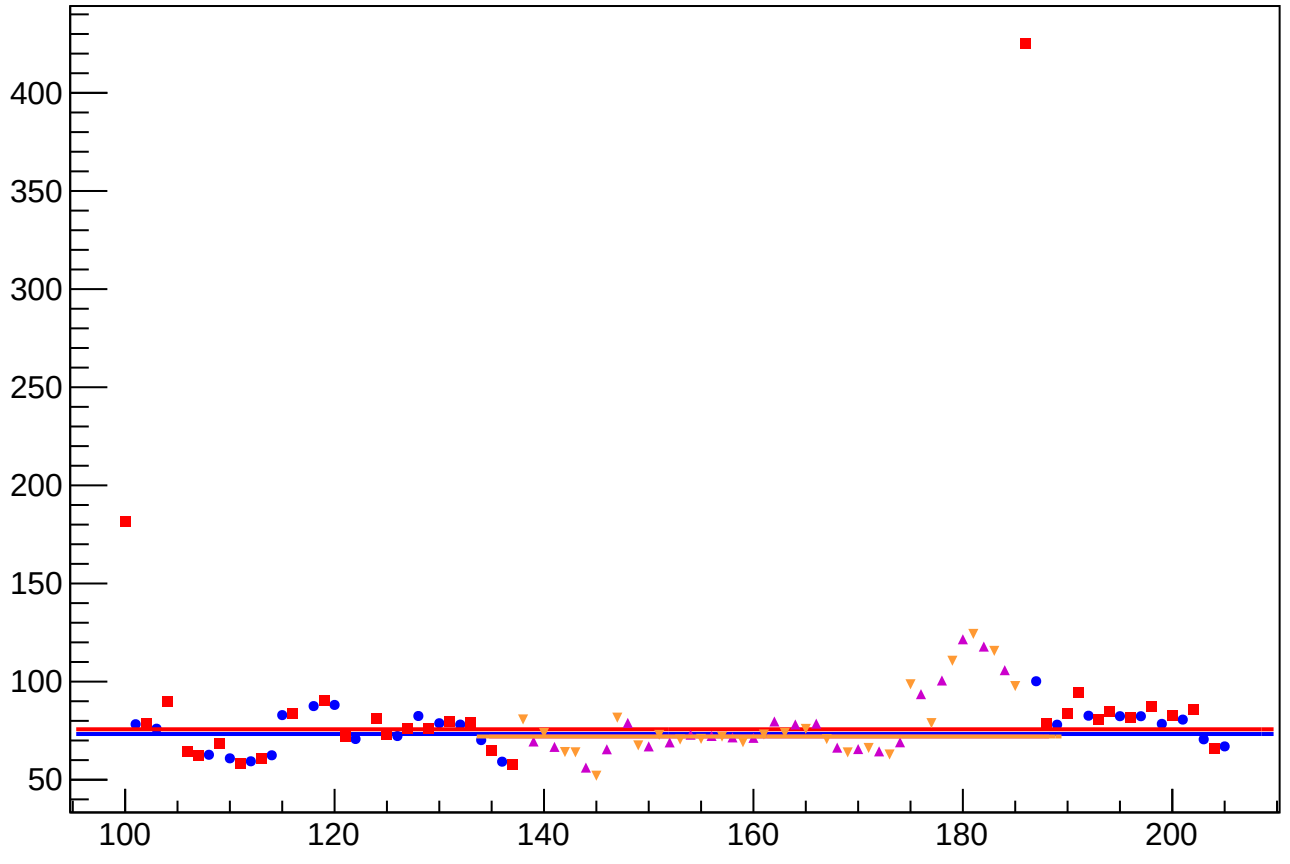
Left: 9.095+/-12.006 χ^2/NDF: 60.9/47

Right: -1.447+/-13.944 χ^2/NDF: 43.9/54

In: 2.643+/-12.980 χ^2/NDF:35.2/47

Out: 6.504+/-12.756 χ^2/NDF:69.9/54

All: 4.607+/-9.098 χ^2/NDF: 105.1/102



Right In: 73.300+/-0.014 χ^2/NDF: 433368.3/24

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

Right Out: 75.712+/-0.014 χ^2/NDF: 1088874.7/29

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

Left: 72.066+/-0.008 χ^2/NDF: 2328335.7/47

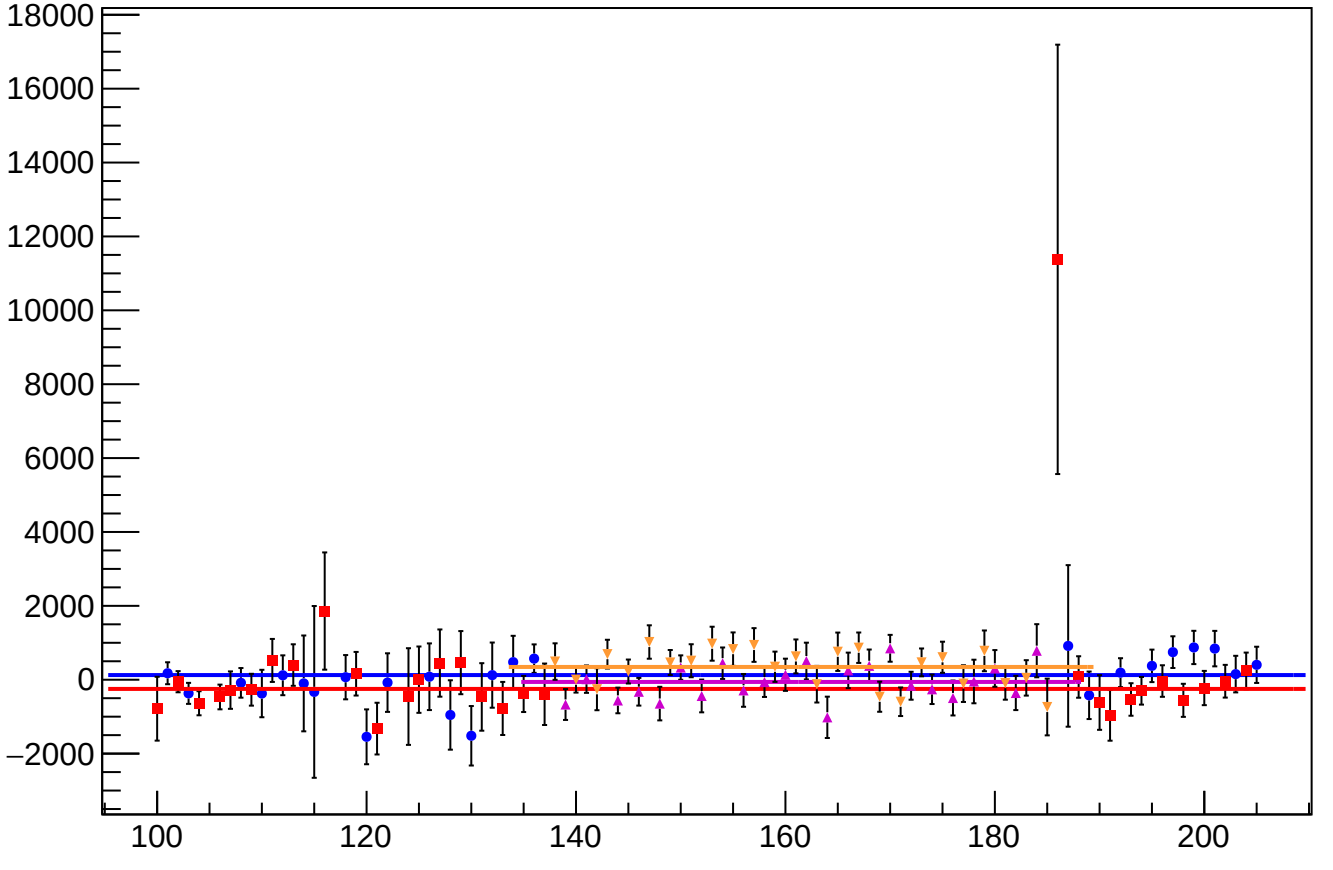
Right: 74.509+/-0.010 χ^2/NDF: 1537205.2/54

In: 72.614+/-0.009 χ^2/NDF:1496467.8/47

Out: 73.581+/-0.009 χ^2/NDF:2398709.7/54

All: 73.106+/-0.006 χ^2/NDF: 3900822.3/102

asym_sam_37_48_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 126.270+/-103.189 χ^2/NDF: 24.8/24

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: -248.792+/-95.565 χ^2/NDF: 20.5/29

Left In: -59.907+/-89.411 χ^2/NDF:25.8/22

Left: 148.994+/-62.288 χ^2/NDF: 65.4/47

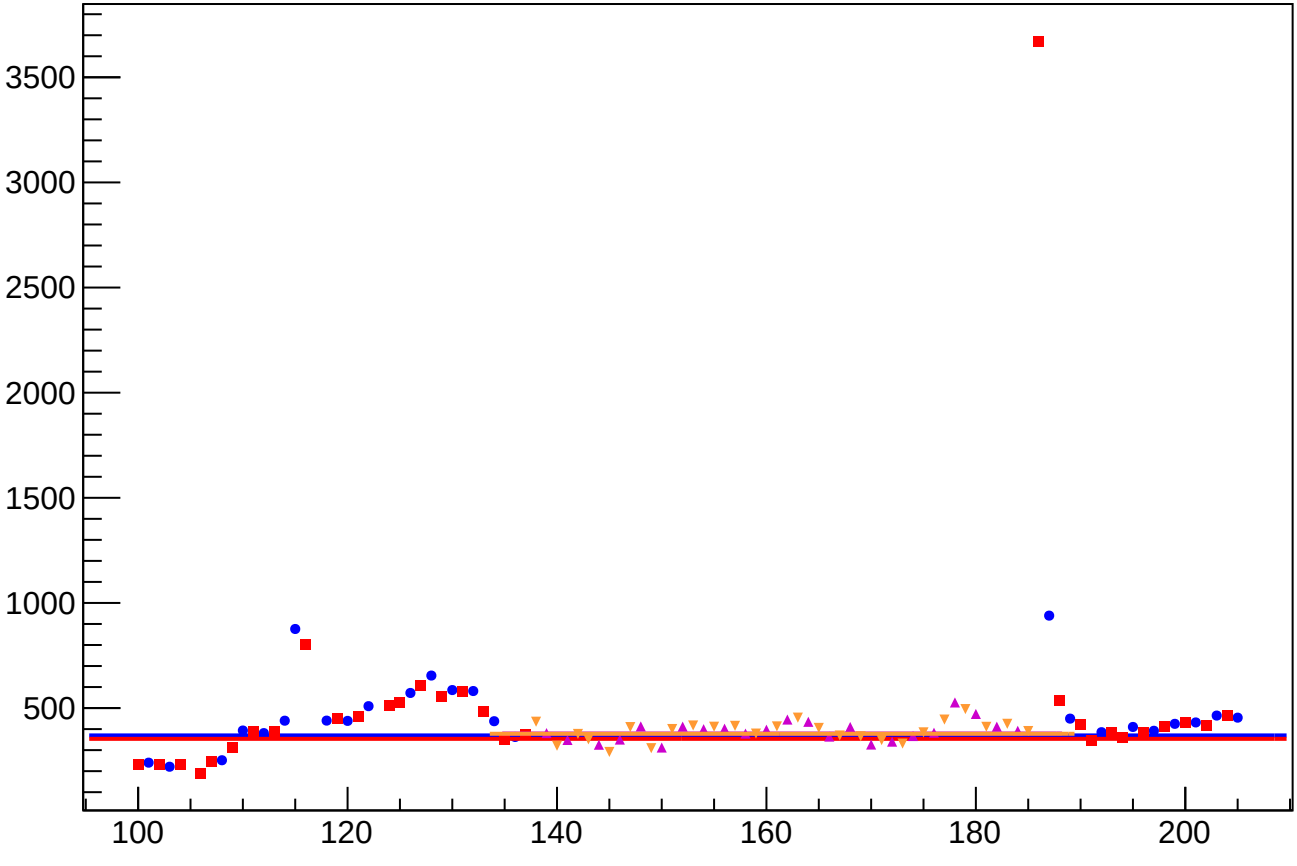
Right: -75.627+/-70.115 χ^2/NDF: 52.4/54

In: 19.931+/-67.573 χ^2/NDF:52.5/47

Out: 77.034+/-64.262 χ^2/NDF:70.7/54

All: 49.916+/-46.567 χ^2/NDF: 123.6/102

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 370.004+/-0.073 χ^2/NDF: 2260329.6/24

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 353.659+/-0.068 χ^2/NDF: 3251182.8/29

Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

Left: 378.317+/-0.044 χ^2/NDF: 1164543.9/47

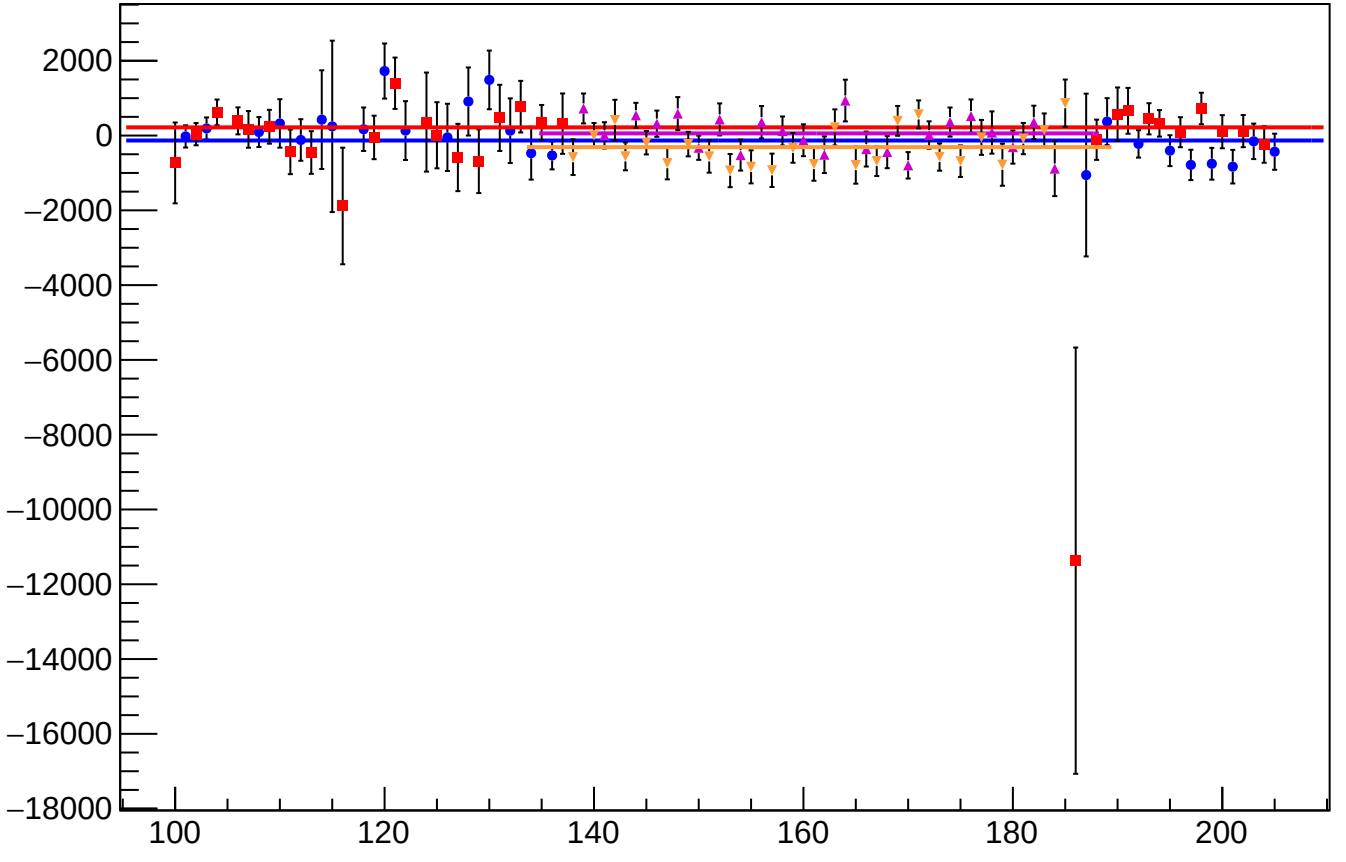
Right: 361.205+/-0.050 χ^2/NDF: 5538521.5/54

In: 375.067+/-0.048 χ^2/NDF:2796442.4/47

Out: 366.882+/-0.045 χ^2/NDF:3957790.7/54

All: 370.769+/-0.033 χ^2/NDF: 6769641.5/102

asym_sam_37_48_dd_mean vs Slug, Sign Corrected



Right In: -132.405+/-101.099 χ^2/NDF: 25.0/24

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: 219.129+/-94.863 χ^2/NDF: 21.4/29

Left In: 57.543+/-86.225 χ^2/NDF:28.0/22

Left: -131.331+/-60.060 χ^2/NDF: 67.3/47

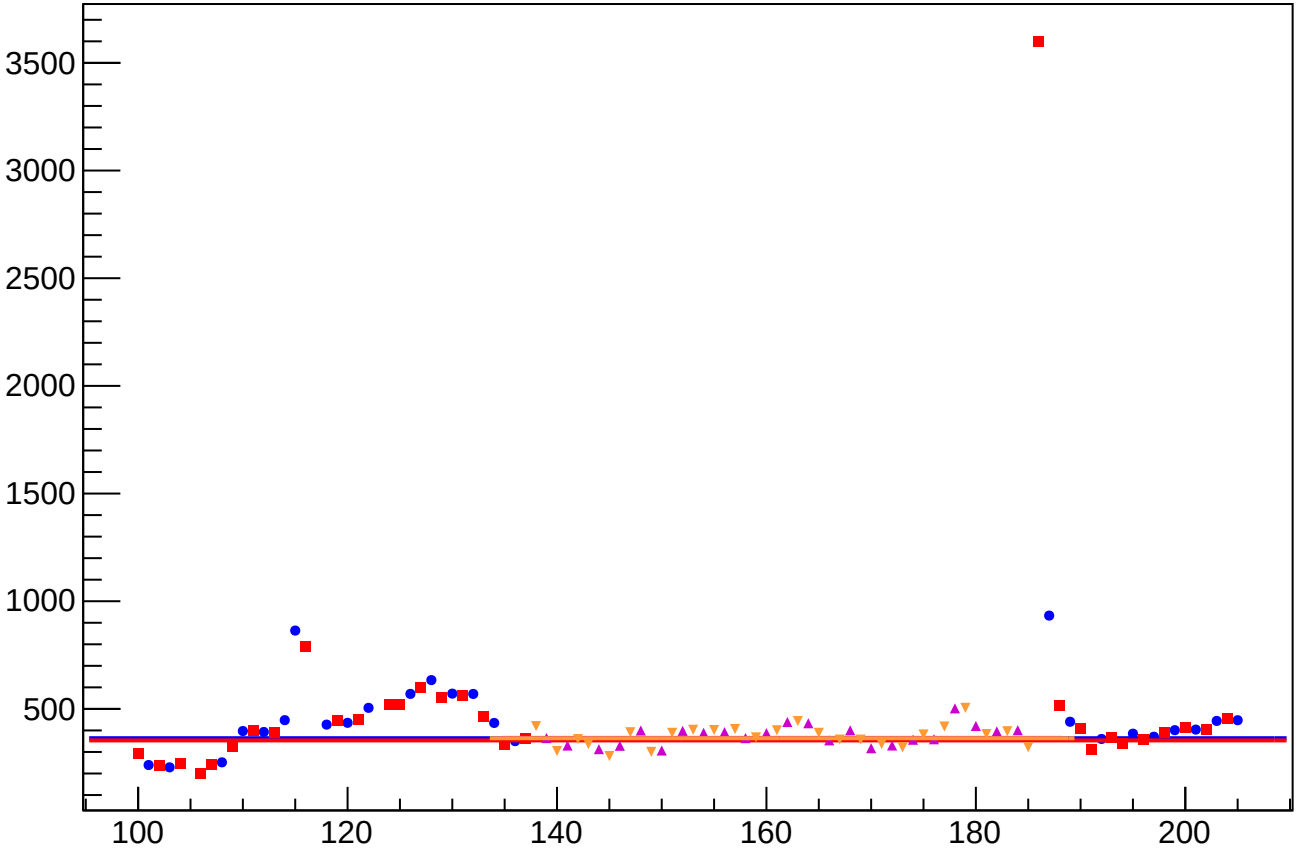
Right: 54.539+/-69.178 χ^2/NDF: 52.8/54

In: -22.442+/-65.605 χ^2/NDF:55.0/47

Out: -77.991+/-62.765 χ^2/NDF:68.8/54

All: -51.445+/-45.352 χ^2/NDF: 124.2/102

asym_sam_37_48_dd_rms vs Slug, Sign Corrected



Right In: 363.922+/-0.071 χ^2/NDF: 2027327.5/24

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

Right Out: 353.683+/-0.067 χ^2/NDF: 2797073.2/29

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

Left: 364.495+/-0.042 χ^2/NDF: 1179100.0/47

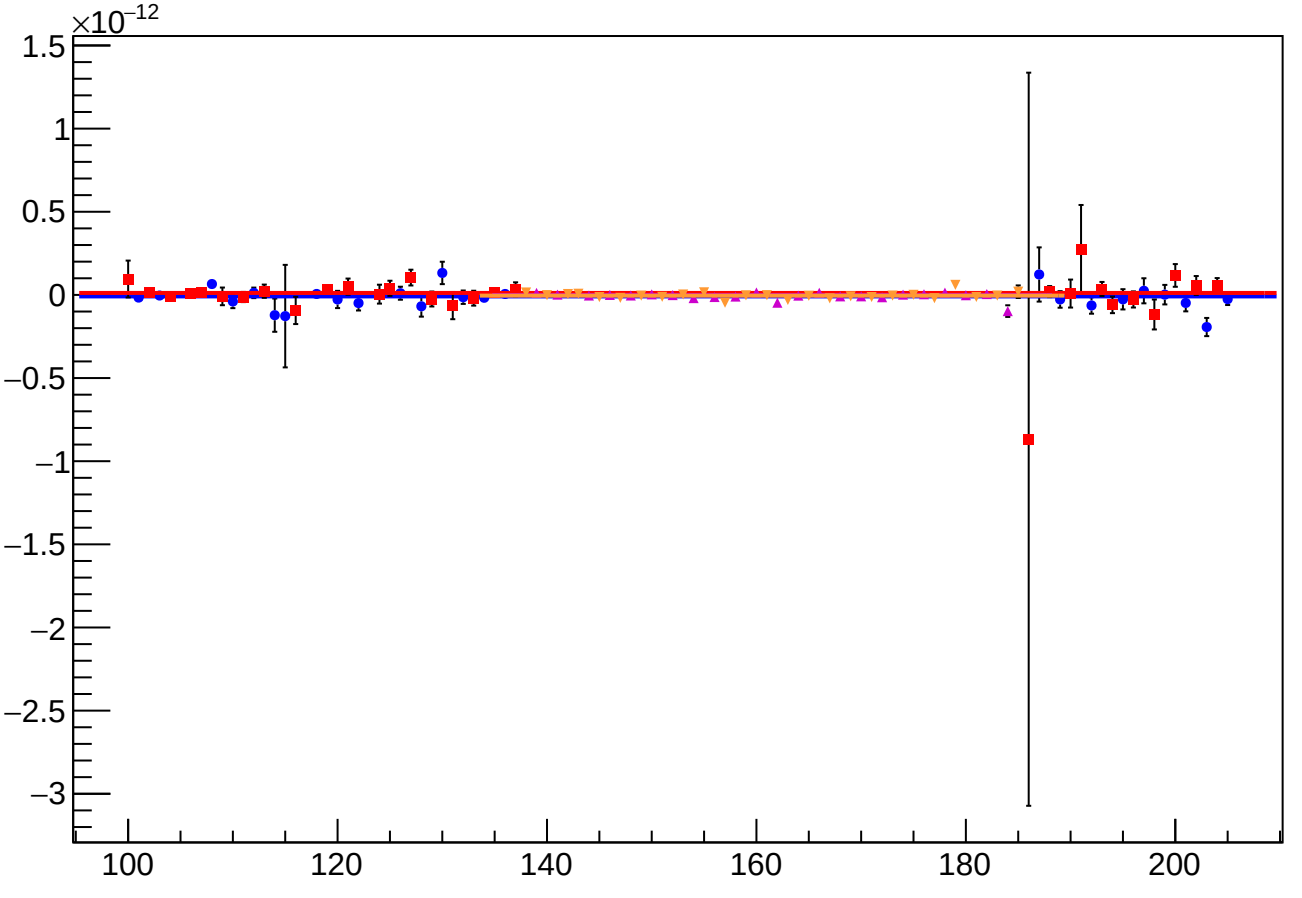
Right: 358.477+/-0.049 χ^2/NDF: 4835311.1/54

In: 364.734+/-0.046 χ^2/NDF:2537046.4/47

Out: 359.323+/-0.044 χ^2/NDF:3478892.0/54

All: 361.909+/-0.032 χ^2/NDF: 6023042.1/102

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

Left: -0.000+/-0.000 χ^2/NDF: 44.3/47

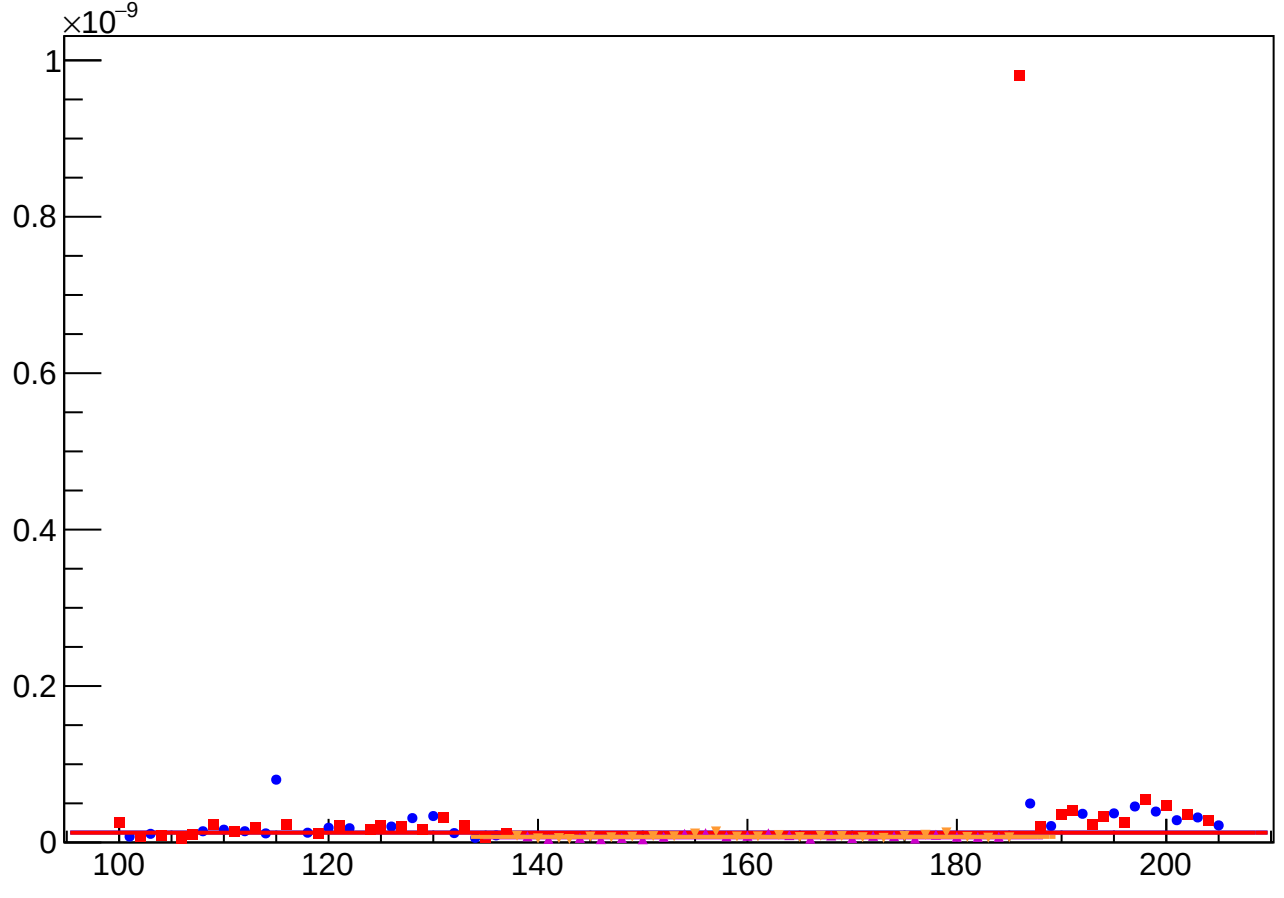
Right: 0.000+/-0.000 χ^2/NDF: 60.1/54

In: -0.000+/-0.000 χ^2/NDF:54.6/47

Out: -0.000+/-0.000 χ^2/NDF:50.6/54

All: -0.000+/-0.000 χ^2/NDF: 105.2/102

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 3753943.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4552440.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

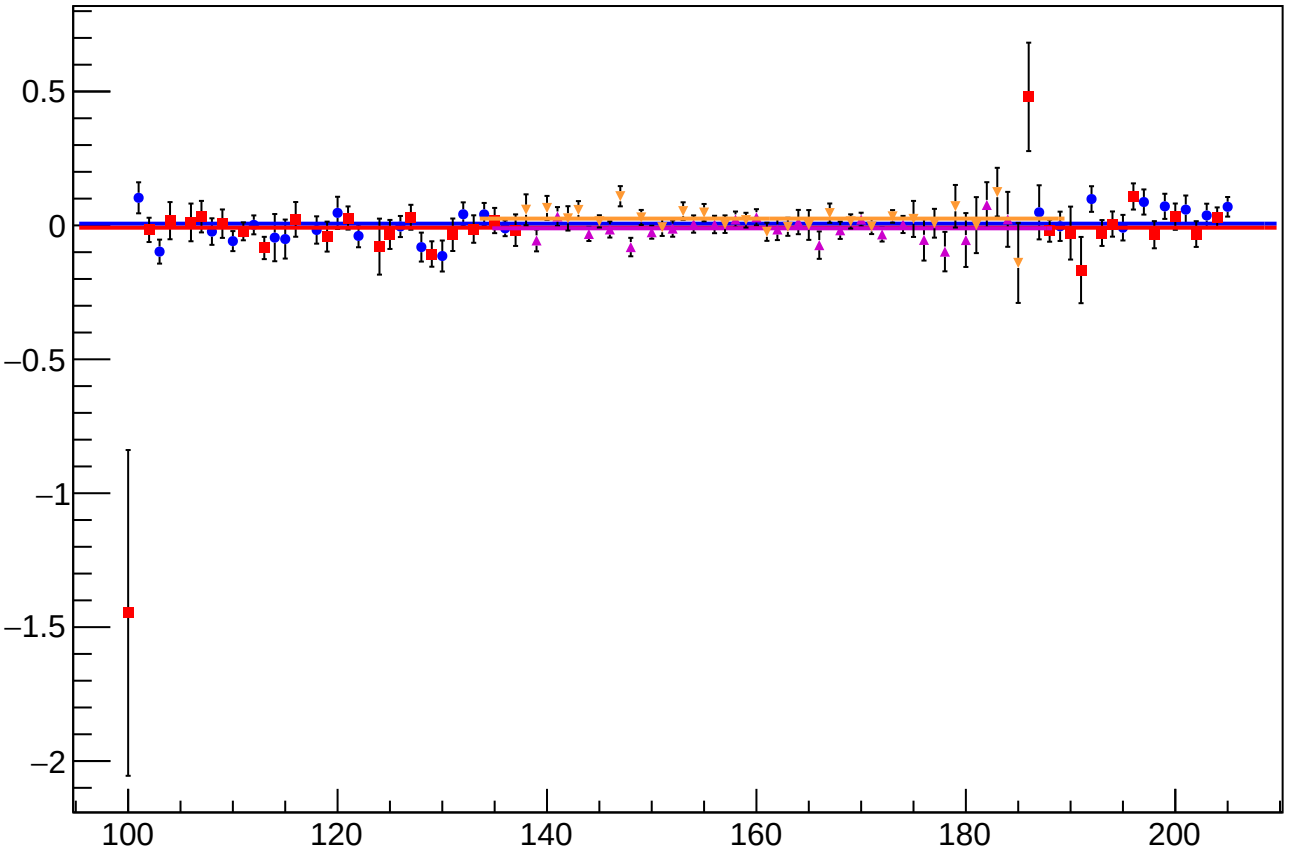
Left: 0.000+/-0.000 χ^2/NDF: 2149252.2/47

Right: 0.000+/-0.000 χ^2/NDF: 8308237.0/54

In: 0.000+/-0.000 χ^2/NDF:6759169.2/47

Out: 0.000+/-0.000 χ^2/NDF:6749081.8/54

All: 0.000+/-0.000 χ^2/NDF: 13559897.4/102



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

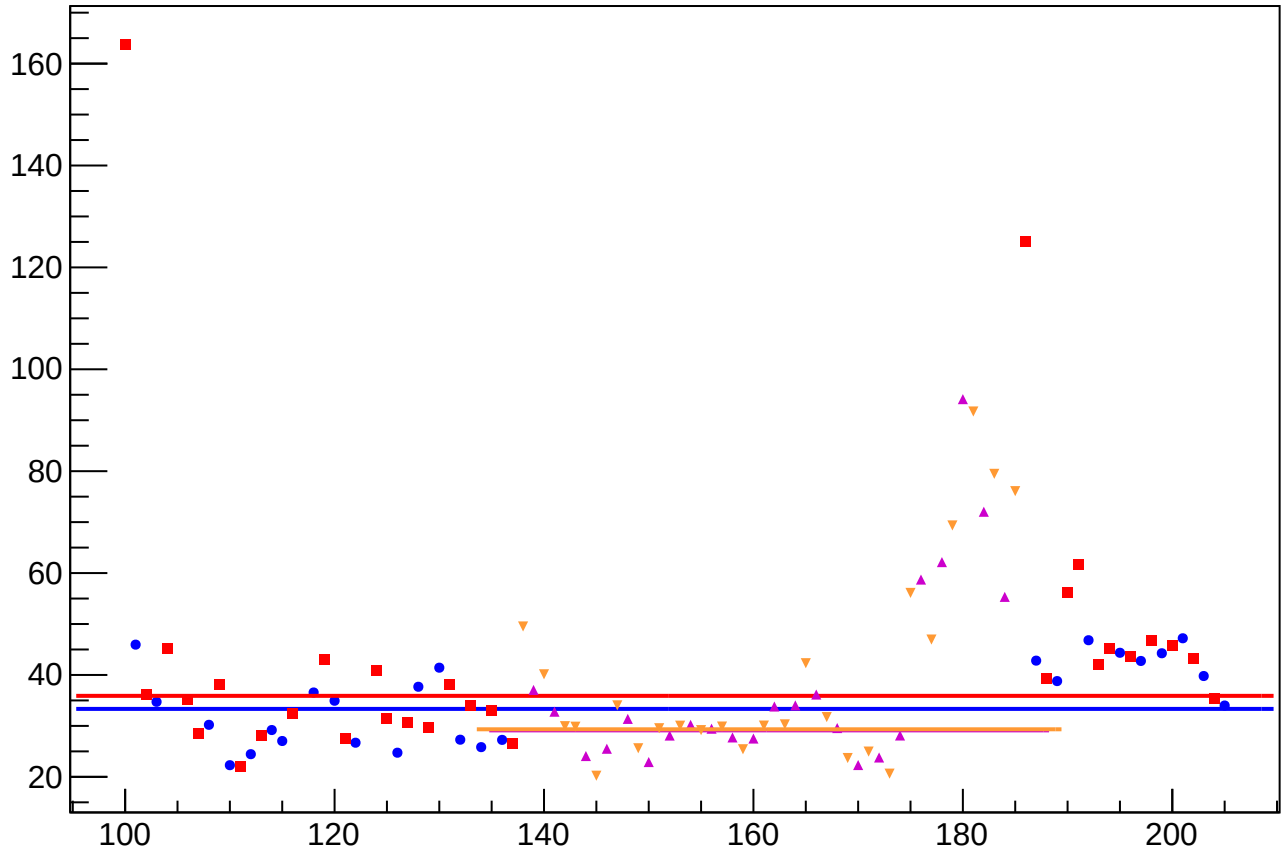
Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

Right: -0.001+/-0.007 χ^2/NDF: 70.8/54

In: -0.004+/-0.006 χ^2/NDF:57.6/47

Out: 0.013+/-0.006 χ^2/NDF:58.5/54

All: 0.004+/-0.004 χ^2/NDF: 120.7/102



Right In: 33.338+/-0.007 χ^2/NDF: 1490495.0/24

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.900+/-0.007 χ^2/NDF: 1777163.6/29

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

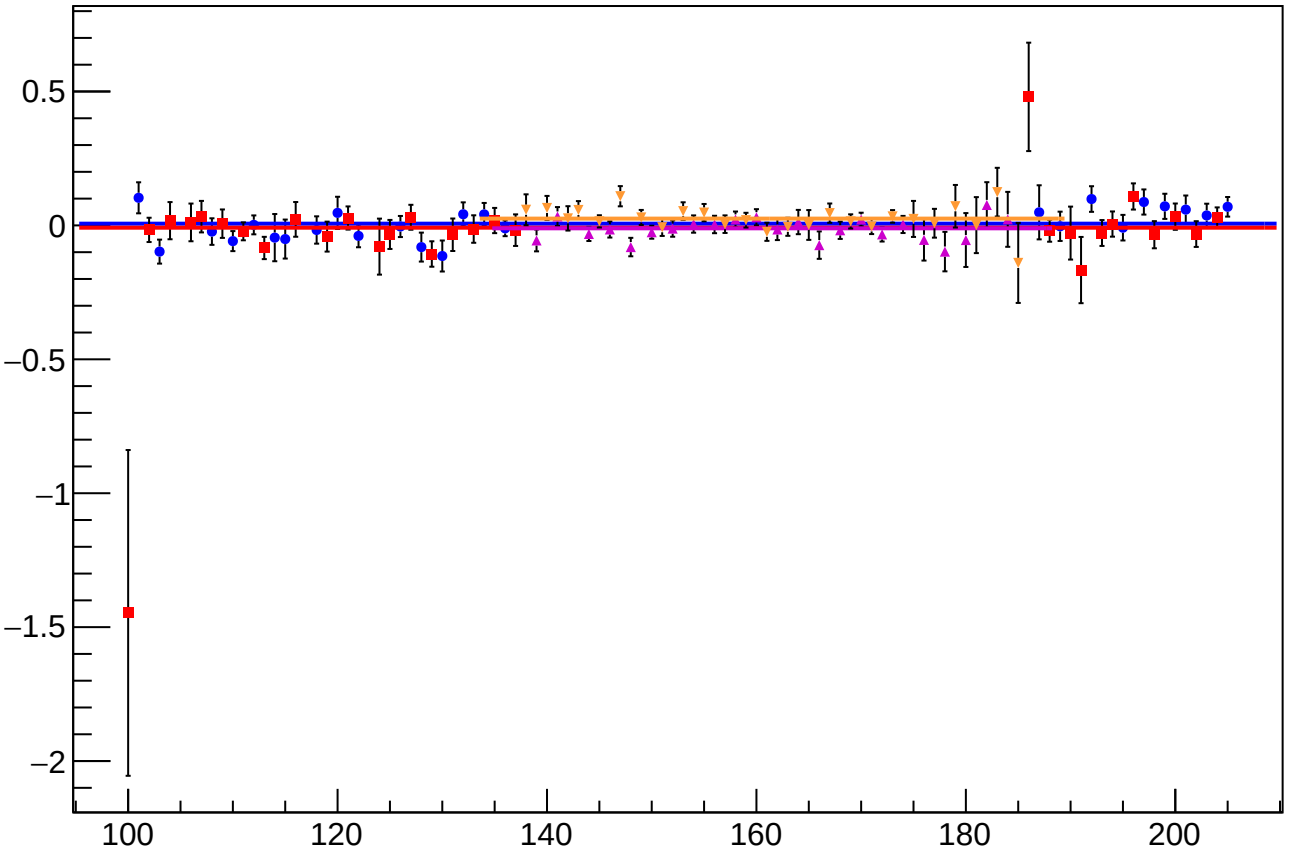
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.575+/-0.005 χ^2/NDF: 3341223.8/54

In: 30.734+/-0.004 χ^2/NDF:4584349.5/47

Out: 31.687+/-0.004 χ^2/NDF:6251308.4/54

All: 31.209+/-0.003 χ^2/NDF: 10863189.7/102



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

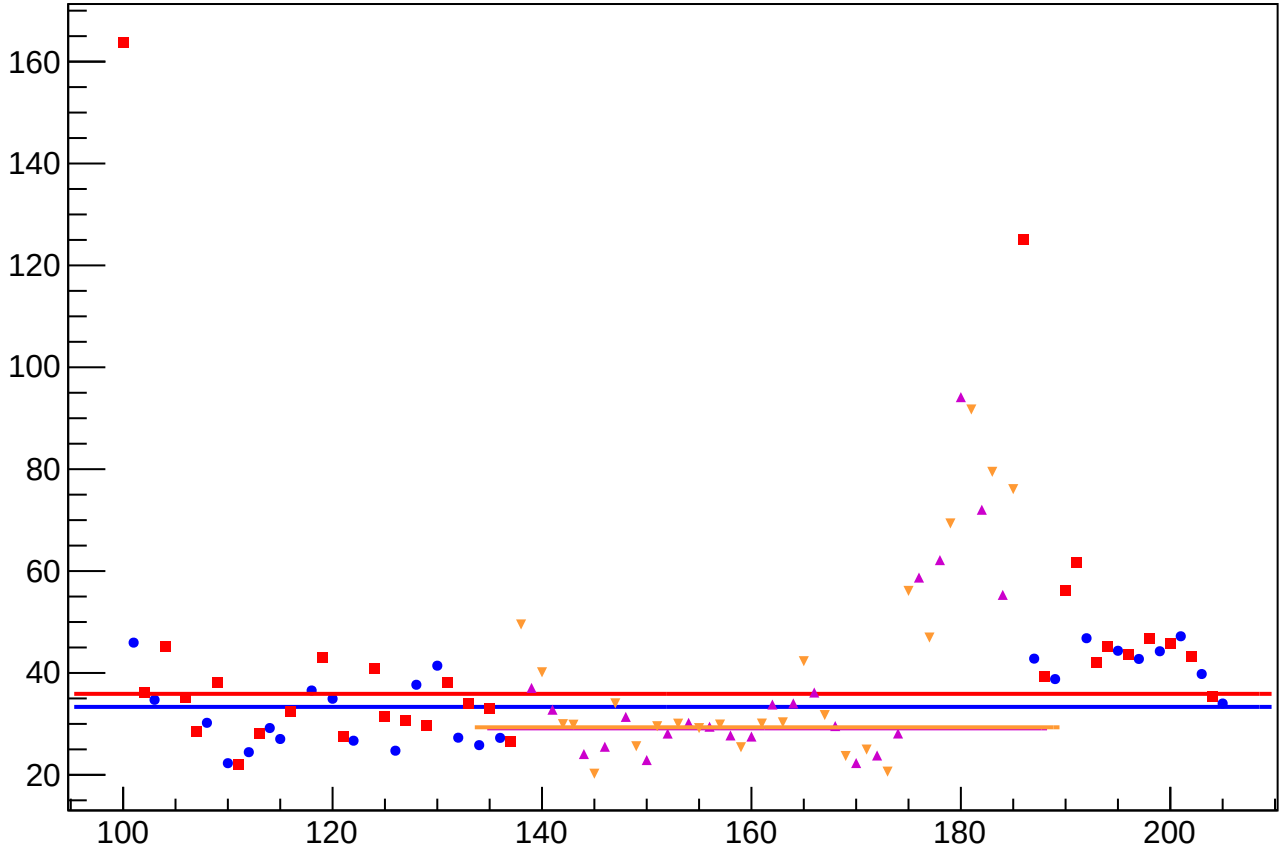
Right: -0.001+/-0.007 χ^2/NDF: 70.8/54

In: -0.004+/-0.006 χ^2/NDF:57.6/47

Out: 0.013+/-0.006 χ^2/NDF:58.5/54

All: 0.004+/-0.004 χ^2/NDF: 120.7/102

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.338+/-0.007 χ^2/NDF: 1490495.0/24

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

Right Out: 35.900+/-0.007 χ^2/NDF: 1777163.6/29

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

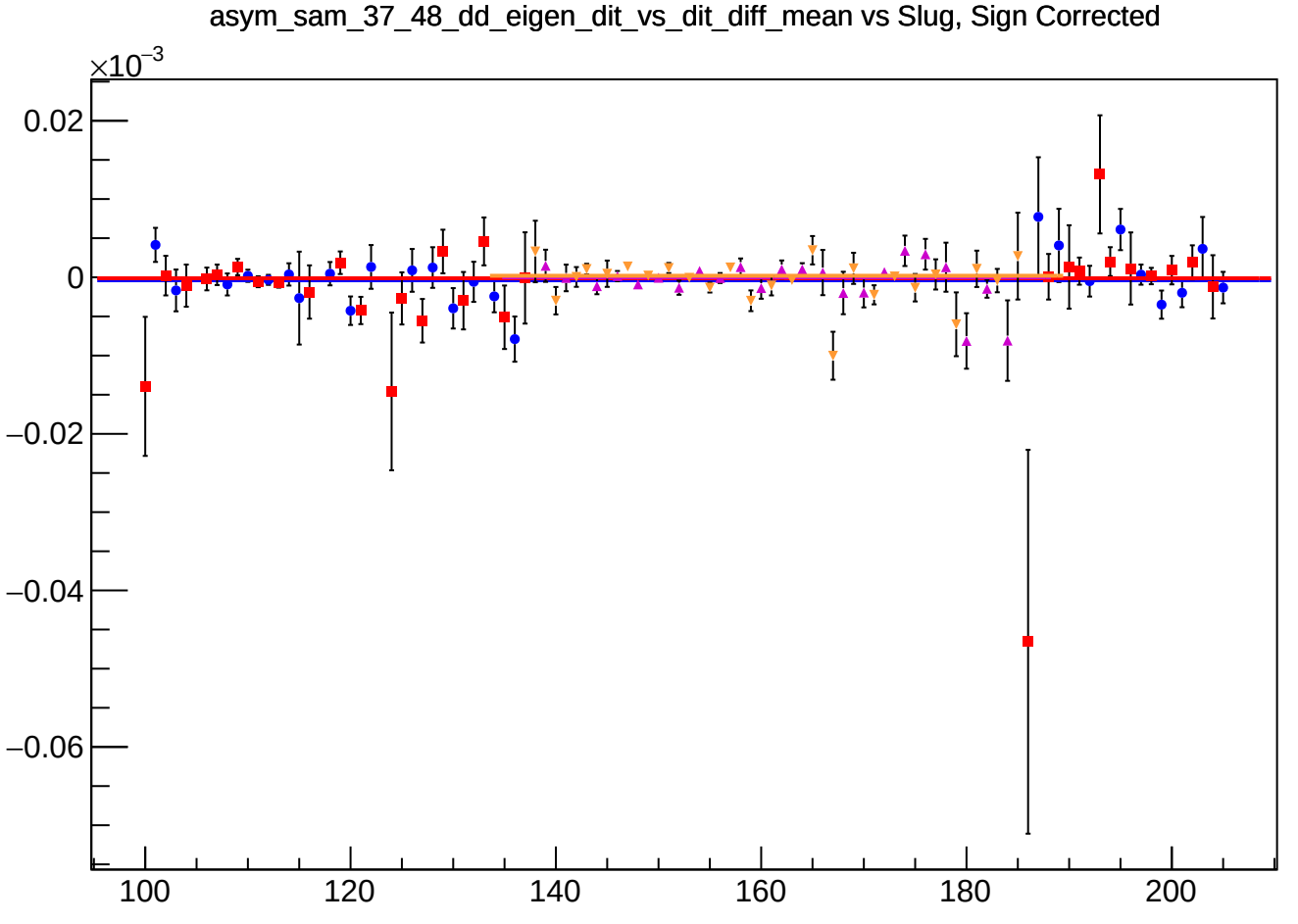
Left: 29.231+/-0.004 χ^2/NDF: 6714732.4/47

Right: 34.575+/-0.005 χ^2/NDF: 3341223.8/54

In: 30.734+/-0.004 χ^2/NDF:4584349.5/47

Out: 31.687+/-0.004 χ^2/NDF:6251308.4/54

All: 31.209+/-0.003 χ^2/NDF: 10863189.7/102



Right In: -0.000+/-0.000 χ^2/NDF: 34.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: -0.000+/-0.000 χ^2/NDF:32.9/22

Left: 0.000+/-0.000 χ^2/NDF: 86.2/47

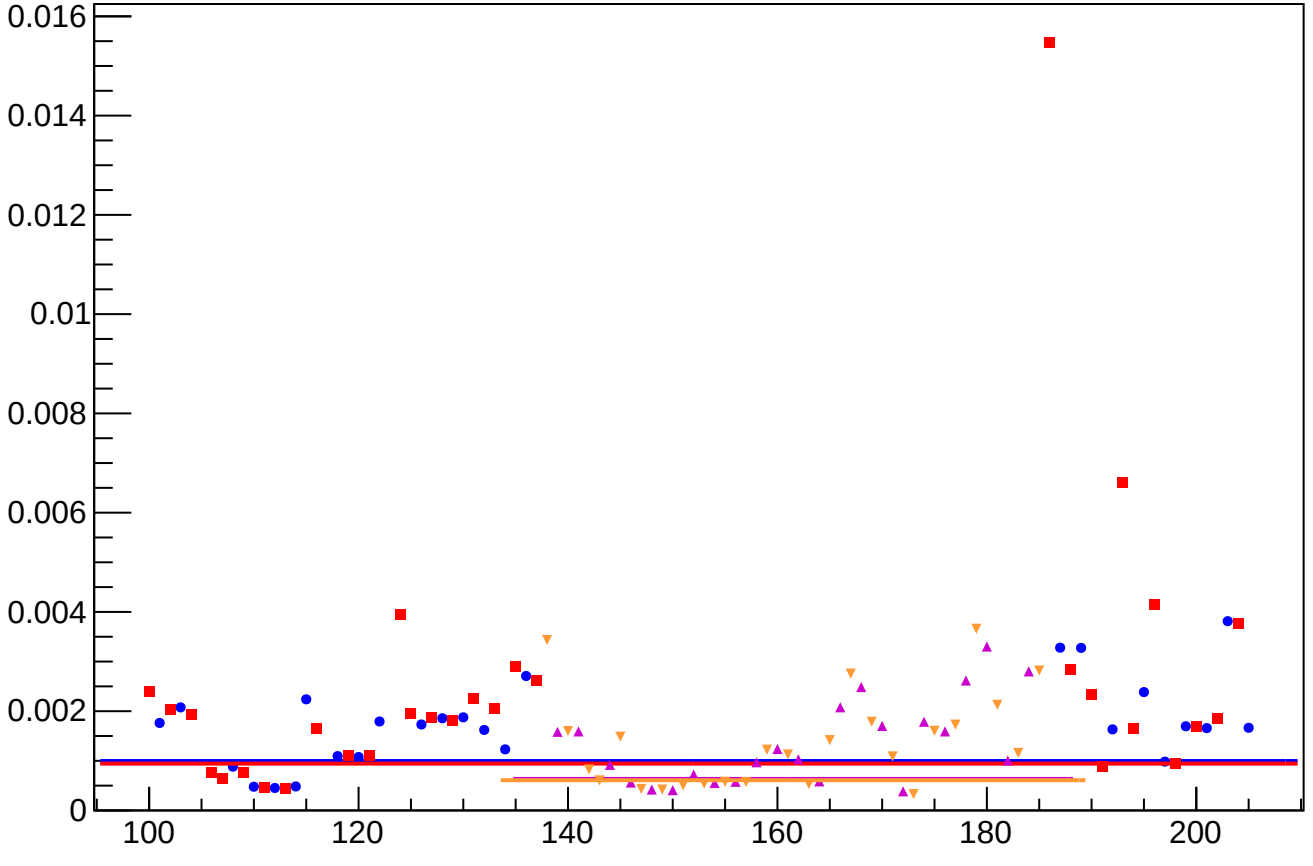
Right: -0.000+/-0.000 χ^2/NDF: 70.6/54

In: -0.000+/-0.000 χ^2/NDF:68.5/47

Out: 0.000+/-0.000 χ^2/NDF:89.1/54

All: 0.000+/-0.000 χ^2/NDF: 158.6/102

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 8039507.4/24

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10813312.5/29

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

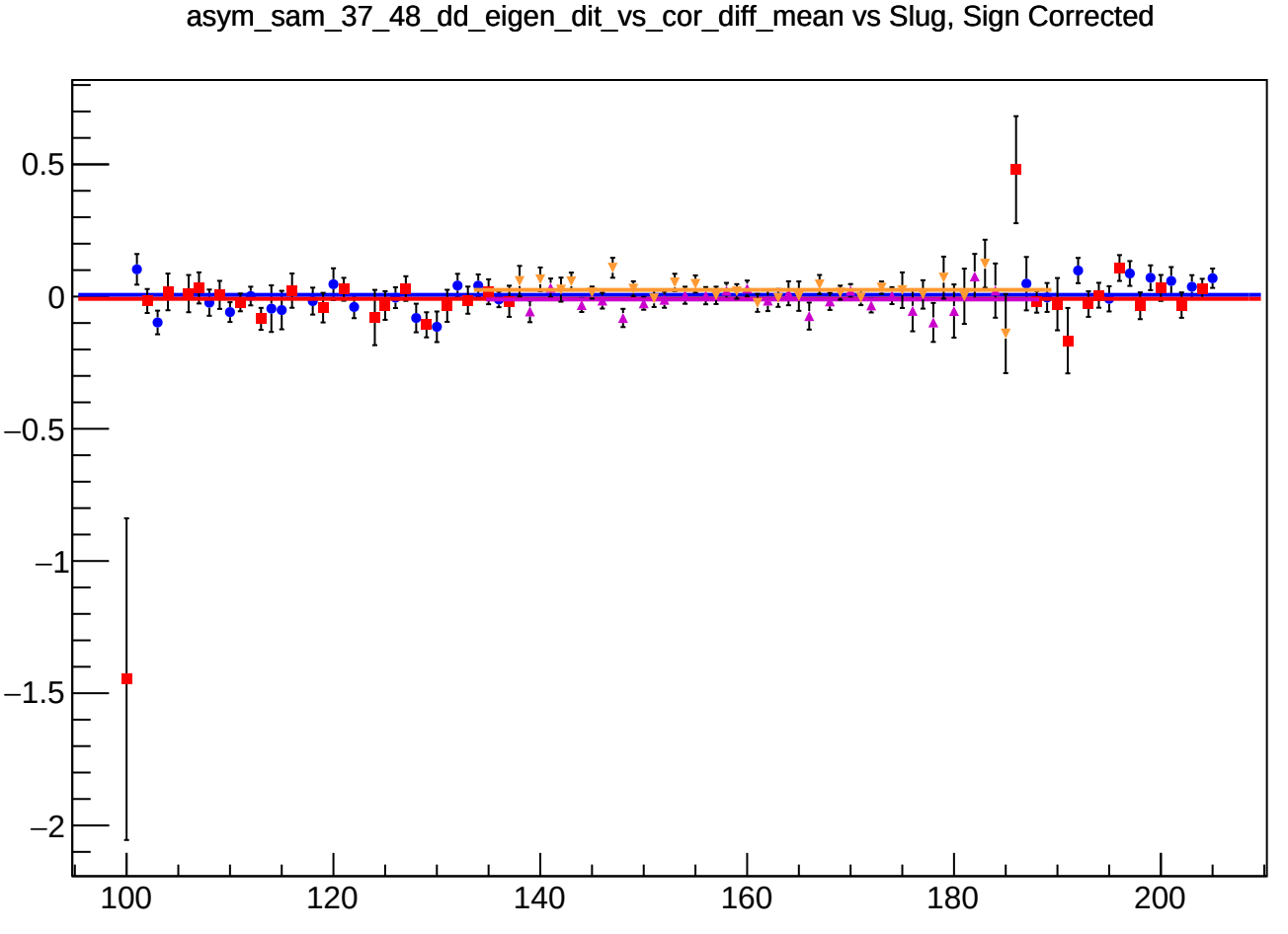
Left: 0.001+/-0.000 χ^2/NDF: 20361960.5/47

Right: 0.001+/-0.000 χ^2/NDF: 18879553.4/54

In: 0.001+/-0.000 χ^2/NDF:19266330.1/47

Out: 0.001+/-0.000 χ^2/NDF:23598668.2/54

All: 0.001+/-0.000 χ^2/NDF: 42911323.3/102



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

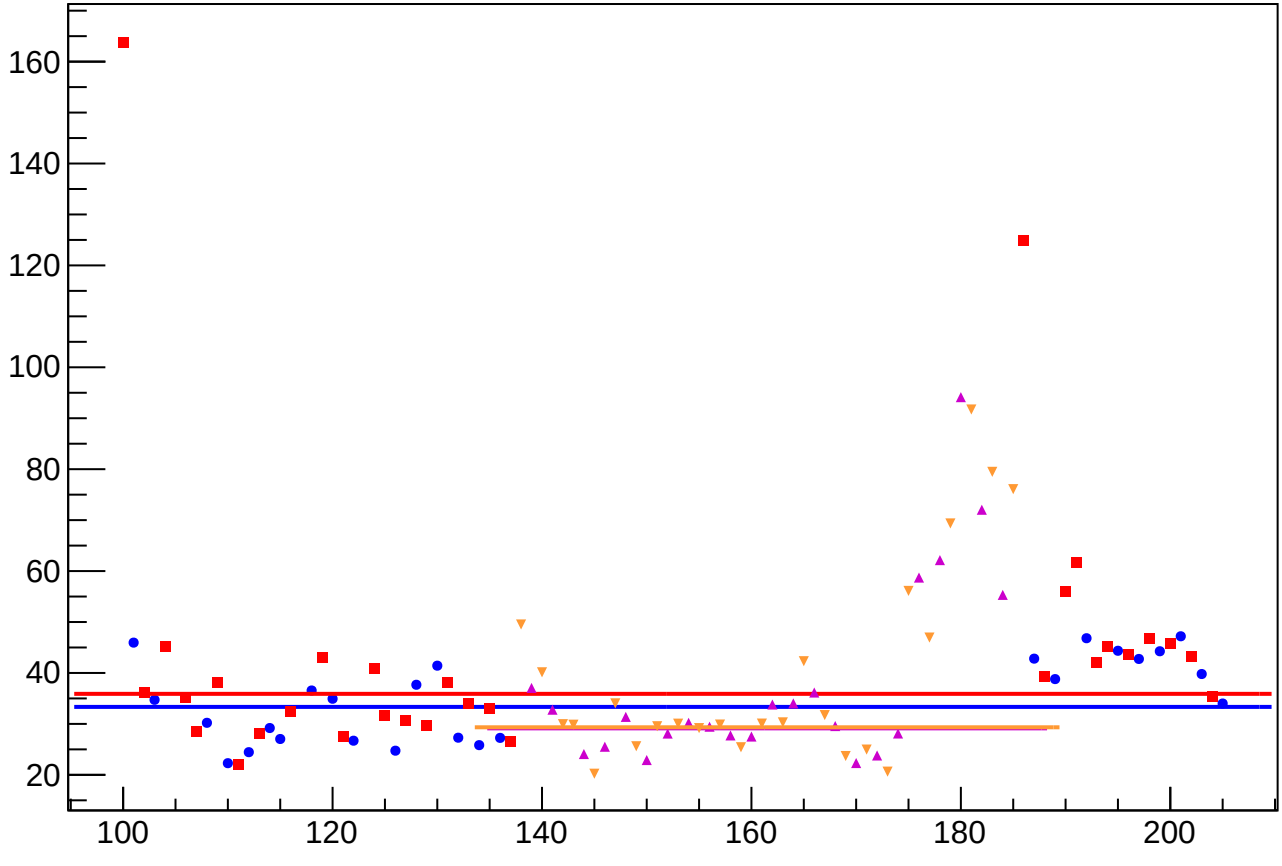
Right: -0.001+/-0.007 χ^2/NDF: 70.8/54

In: -0.004+/-0.006 χ^2/NDF:57.6/47

Out: 0.013+/-0.006 χ^2/NDF:58.5/54

All: 0.004+/-0.004 χ^2/NDF: 120.7/102

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.338+/-0.007 χ^2/NDF: 1490409.3/24

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.900+/-0.007 χ^2/NDF: 1777057.6/29

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

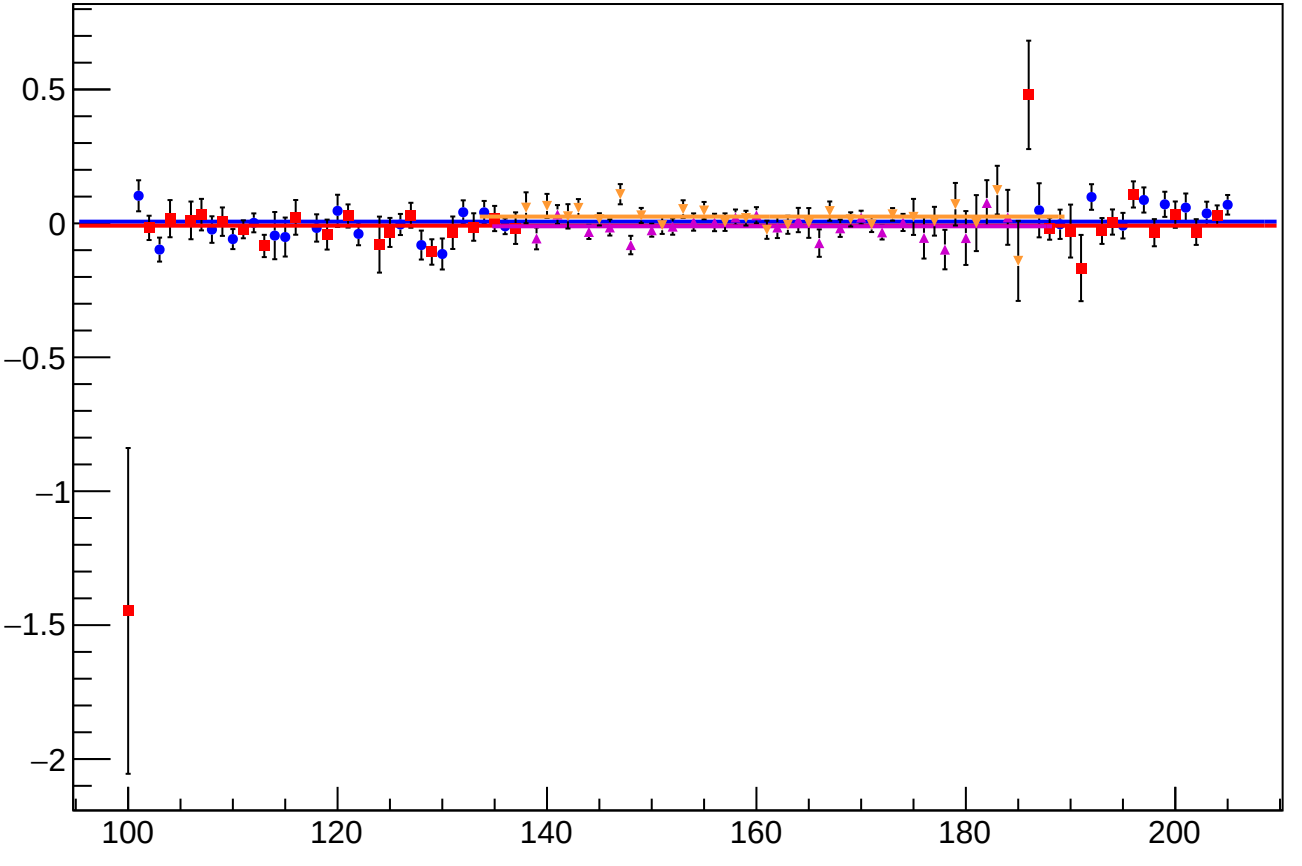
Right: 34.575+/-0.005 χ^2/NDF: 3341033.7/54

In: 30.734+/-0.004 χ^2/NDF:4584244.9/47

Out: 31.687+/-0.004 χ^2/NDF:6251307.5/54

All: 31.209+/-0.003 χ^2/NDF: 10863083.2/102

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: -0.009+/-0.010 χ^2/NDF: 33.1/29

Left In: -0.011+/-0.007 χ^2/NDF:19.0/22

Left: 0.008+/-0.005 χ^2/NDF: 49.0/47

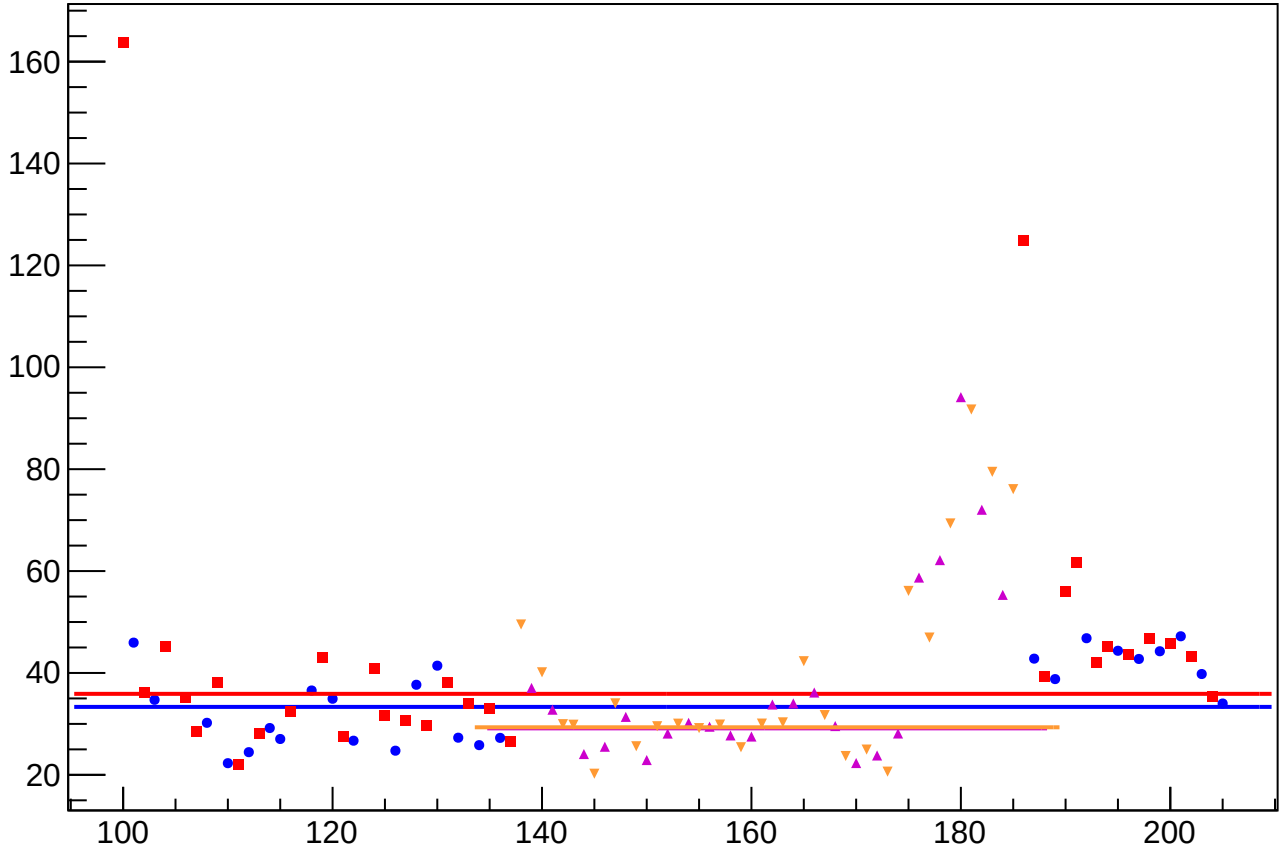
Right: -0.001+/-0.007 χ^2/NDF: 70.8/54

In: -0.004+/-0.006 χ^2/NDF:57.6/47

Out: 0.013+/-0.006 χ^2/NDF:58.5/54

All: 0.004+/-0.004 χ^2/NDF: 120.7/102

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 33.338+/-0.007 χ^2/NDF: 1490409.3/24

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

Right Out: 35.900+/-0.007 χ^2/NDF: 1777057.6/29

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

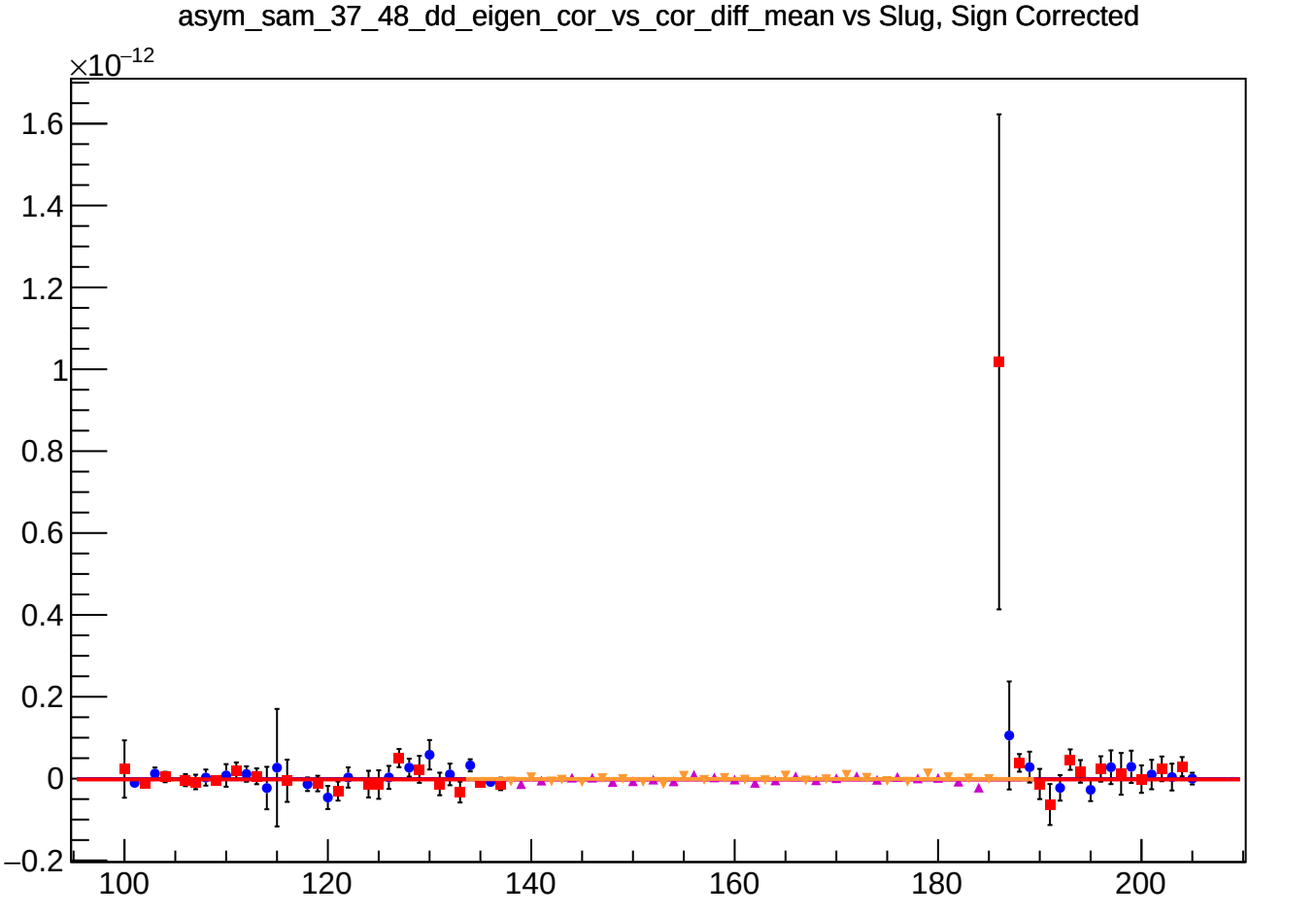
Left: 29.231+/-0.004 χ^2/NDF: 6714759.4/47

Right: 34.575+/-0.005 χ^2/NDF: 3341033.7/54

In: 30.734+/-0.004 χ^2/NDF:4584244.9/47

Out: 31.687+/-0.004 χ^2/NDF:6251307.5/54

All: 31.209+/-0.003 χ^2/NDF: 10863083.2/102



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: -0.000+/-0.000 χ^2/NDF:16.5/22

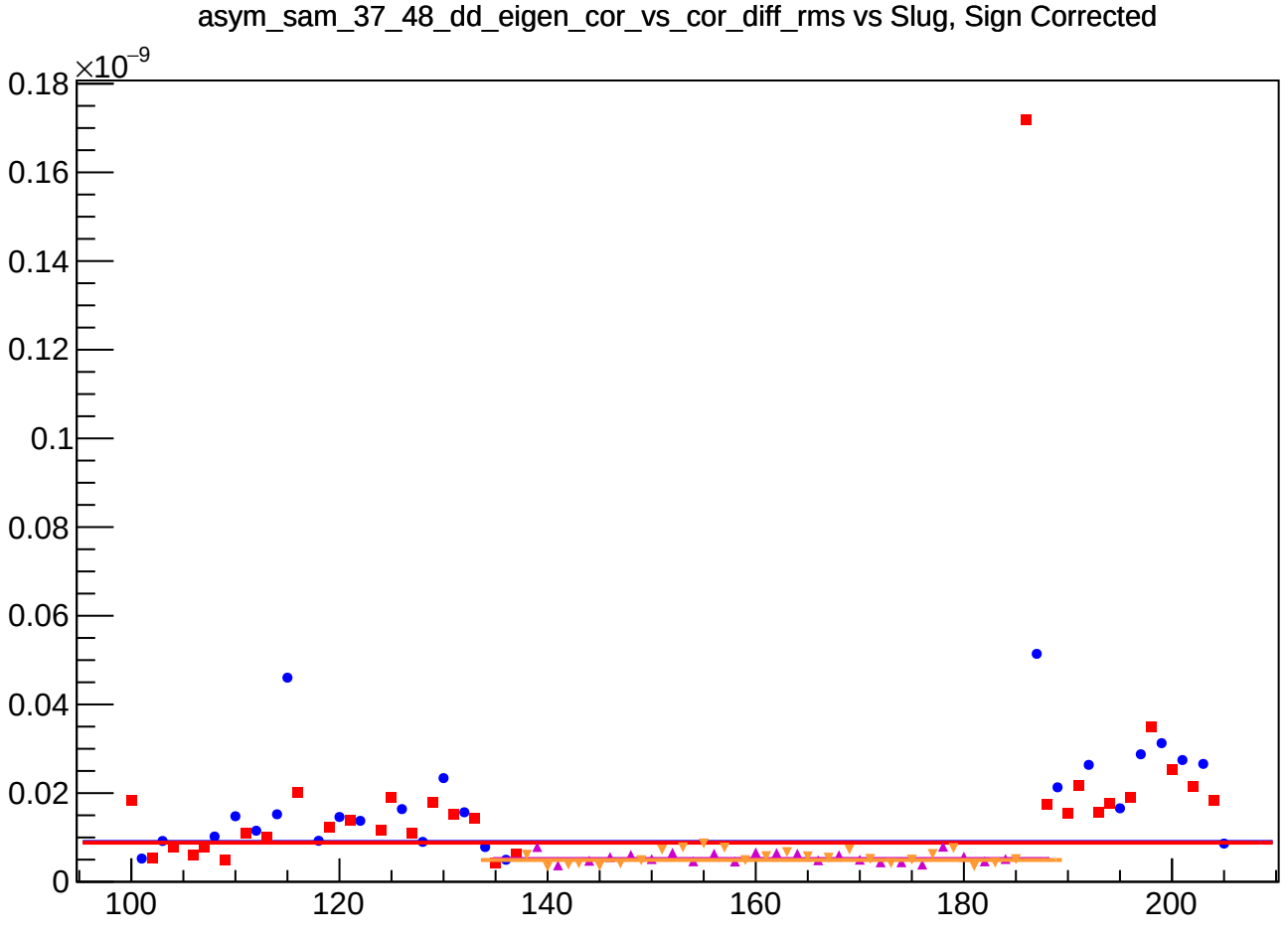
Left: -0.000+/-0.000 χ^2/NDF: 31.8/47

Right: -0.000+/-0.000 χ^2/NDF: 50.6/54

In: -0.000+/-0.000 χ^2/NDF:37.3/47

Out: -0.000+/-0.000 χ^2/NDF:44.9/54

All: -0.000+/-0.000 χ^2/NDF: 82.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 5678206.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5285272.3/29

Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

Left: 0.000+/-0.000 χ^2/NDF: 2874002.6/47

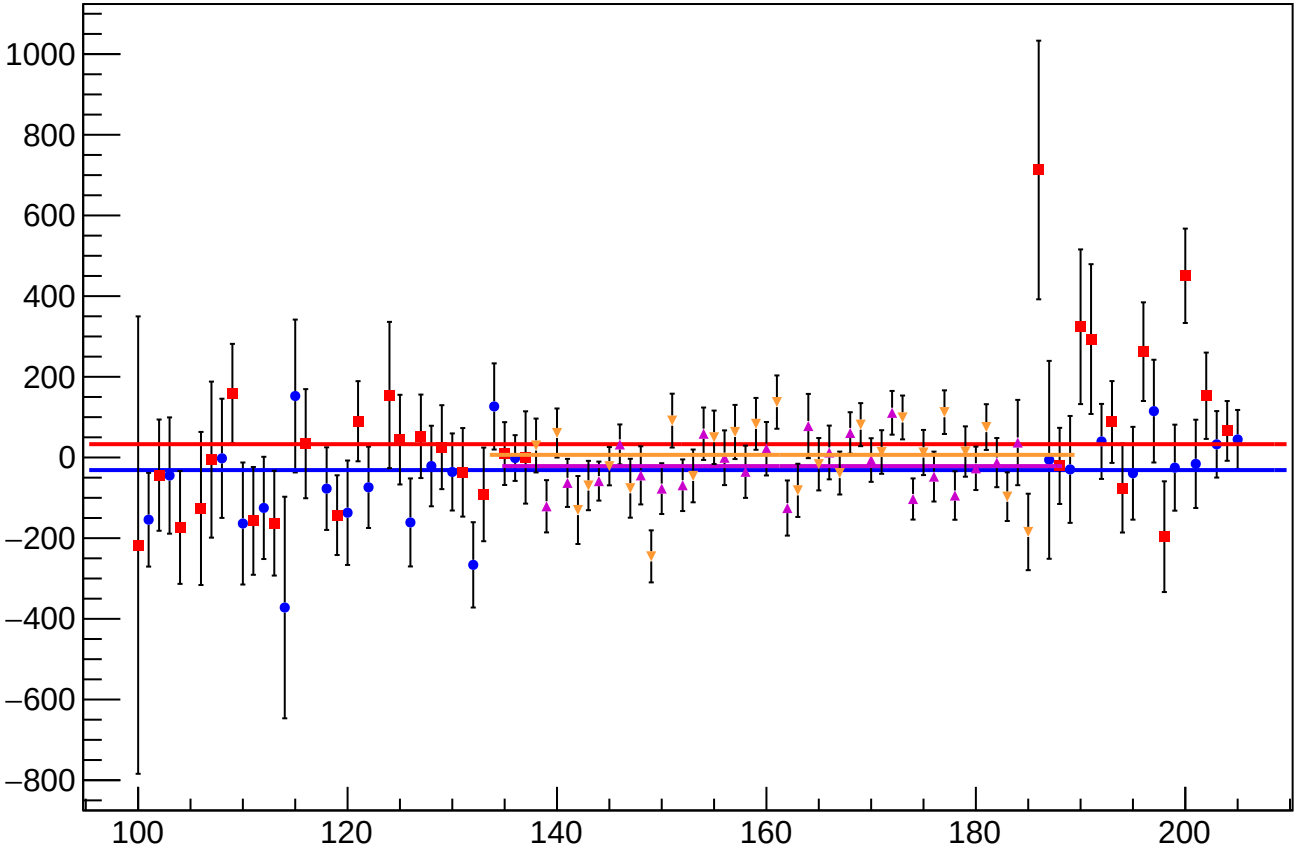
Right: 0.000+/-0.000 χ^2/NDF: 10965523.5/54

In: 0.000+/-0.000 χ^2/NDF:8653004.8/47

Out: 0.000+/-0.000 χ^2/NDF:9420391.4/54

All: 0.000+/-0.000 χ^2/NDF: 18102037.2/102

reg_asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -31.254+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: 33.001+/-21.733 χ^2/NDF: 45.4/29

Left In: -21.336+/-12.649 χ^2/NDF:25.4/22

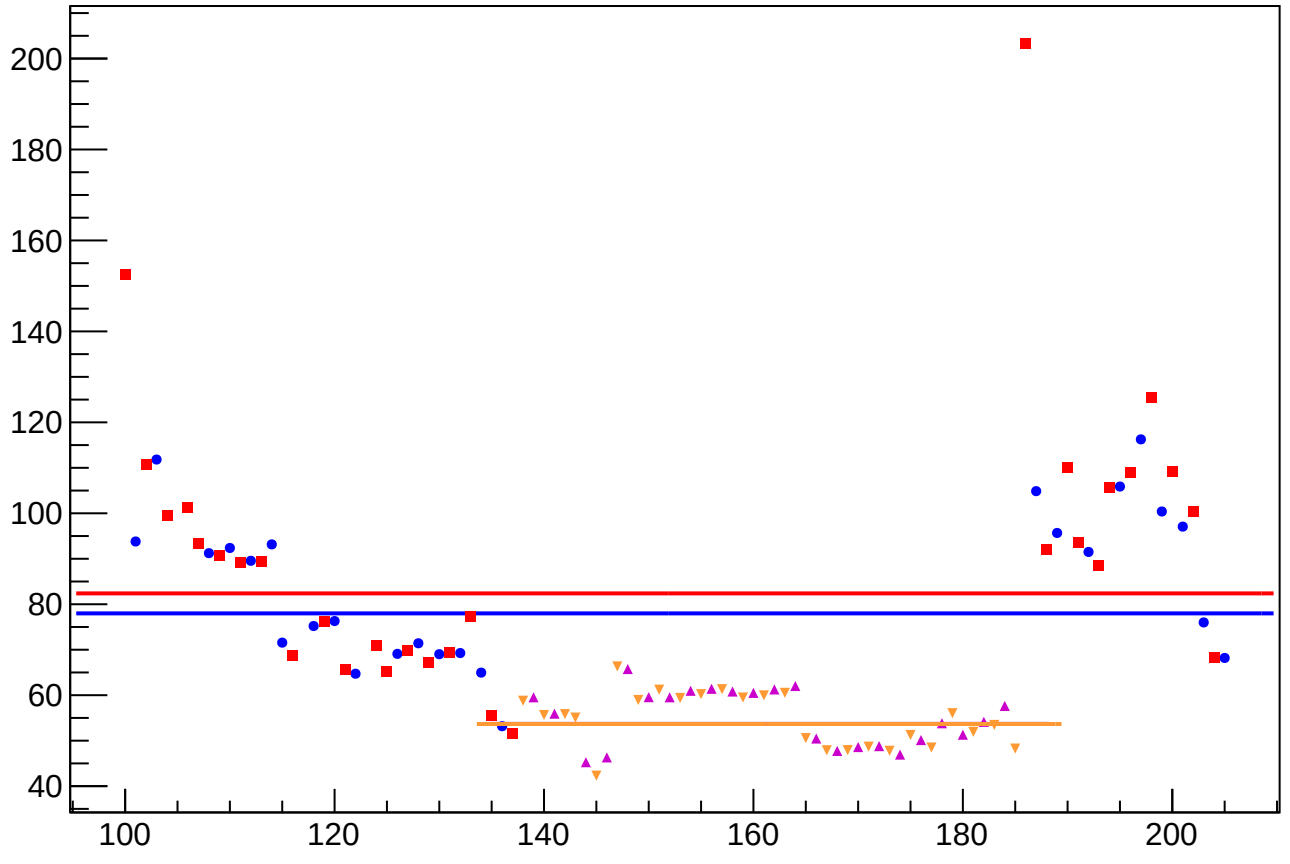
Left: -7.002+/-8.814 χ^2/NDF: 78.5/47

Right: 0.385+/-15.251 χ^2/NDF: 68.2/54

In: -23.903+/-10.890 χ^2/NDF:44.0/47

Out: 12.936+/-10.696 χ^2/NDF:97.1/54

All: -5.152+/-7.631 χ^2/NDF: 146.9/102



Right In: 77.991+/-0.015 χ^2/NDF: 1295076.9/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 82.386+/-0.015 χ^2/NDF: 1799329.8/29

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

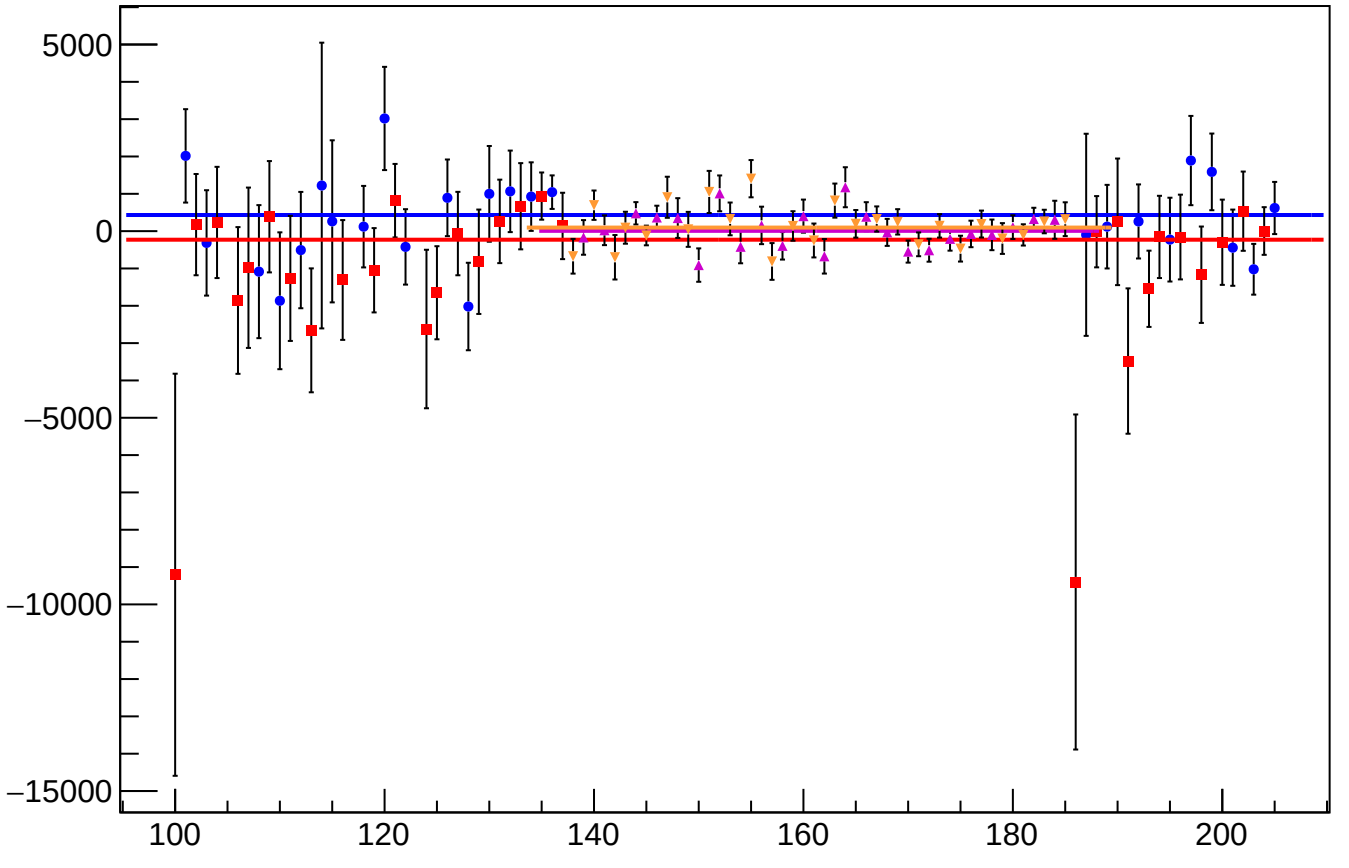
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.155+/-0.011 χ^2/NDF: 3135918.0/54

In: 59.983+/-0.008 χ^2/NDF:3676185.5/47

Out: 60.622+/-0.008 χ^2/NDF:4918145.4/54

All: 60.308+/-0.005 χ^2/NDF: 8597834.3/102



Right In: 432.318+/-205.814 χ^2/NDF: 24.8/24

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: -229.445+/-216.197 χ^2/NDF: 25.7/29

Left In: 7.879+/-79.125 χ^2/NDF:32.3/22

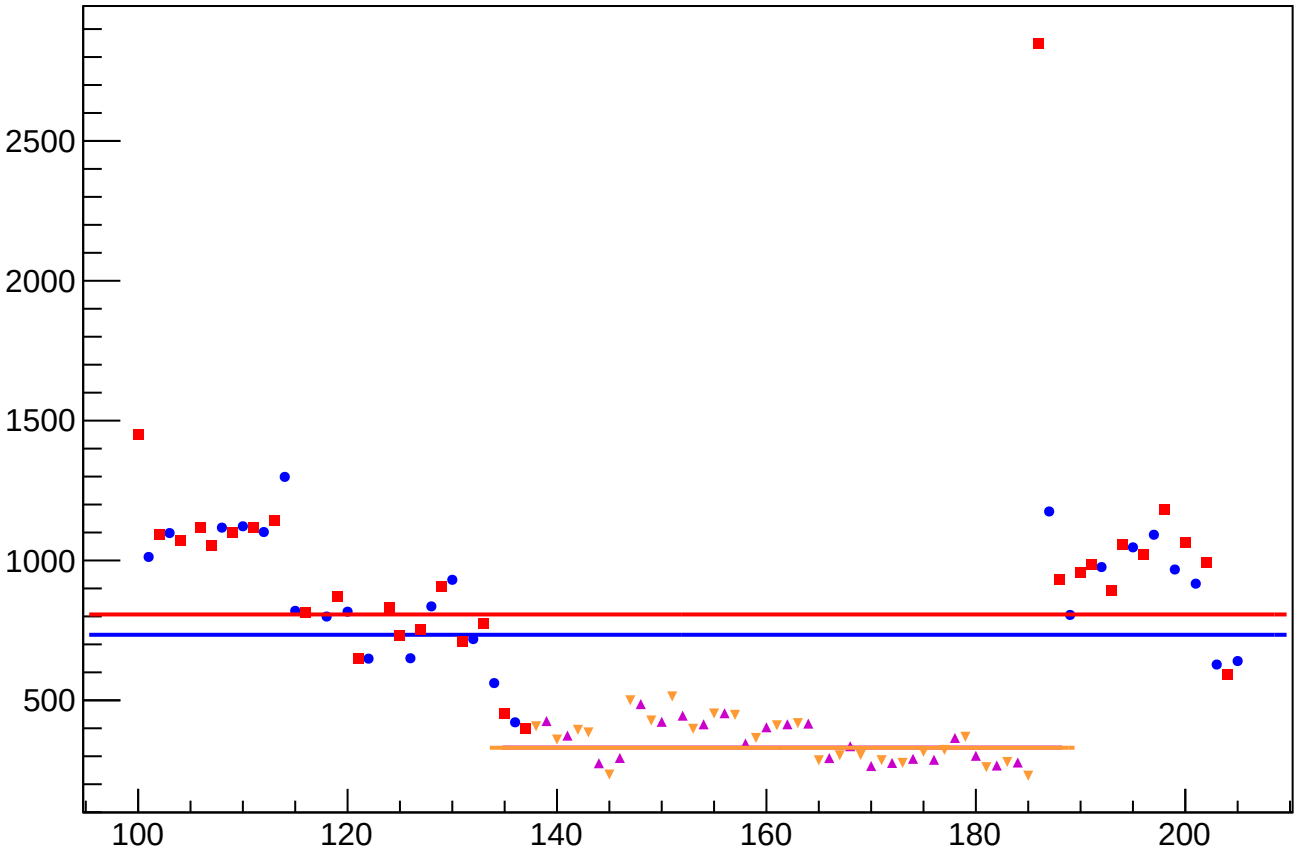
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 117.708+/-149.068 χ^2/NDF: 55.3/54

In: 62.534+/-73.855 χ^2/NDF:60.8/47

Out: 58.769+/-72.649 χ^2/NDF:60.8/54

All: 60.621+/-51.792 χ^2/NDF: 121.6/102



Right In: 734.303+/-0.146 χ^2/NDF: 2483697.0/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 806.997+/-0.153 χ^2/NDF: 2863822.6/29

Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

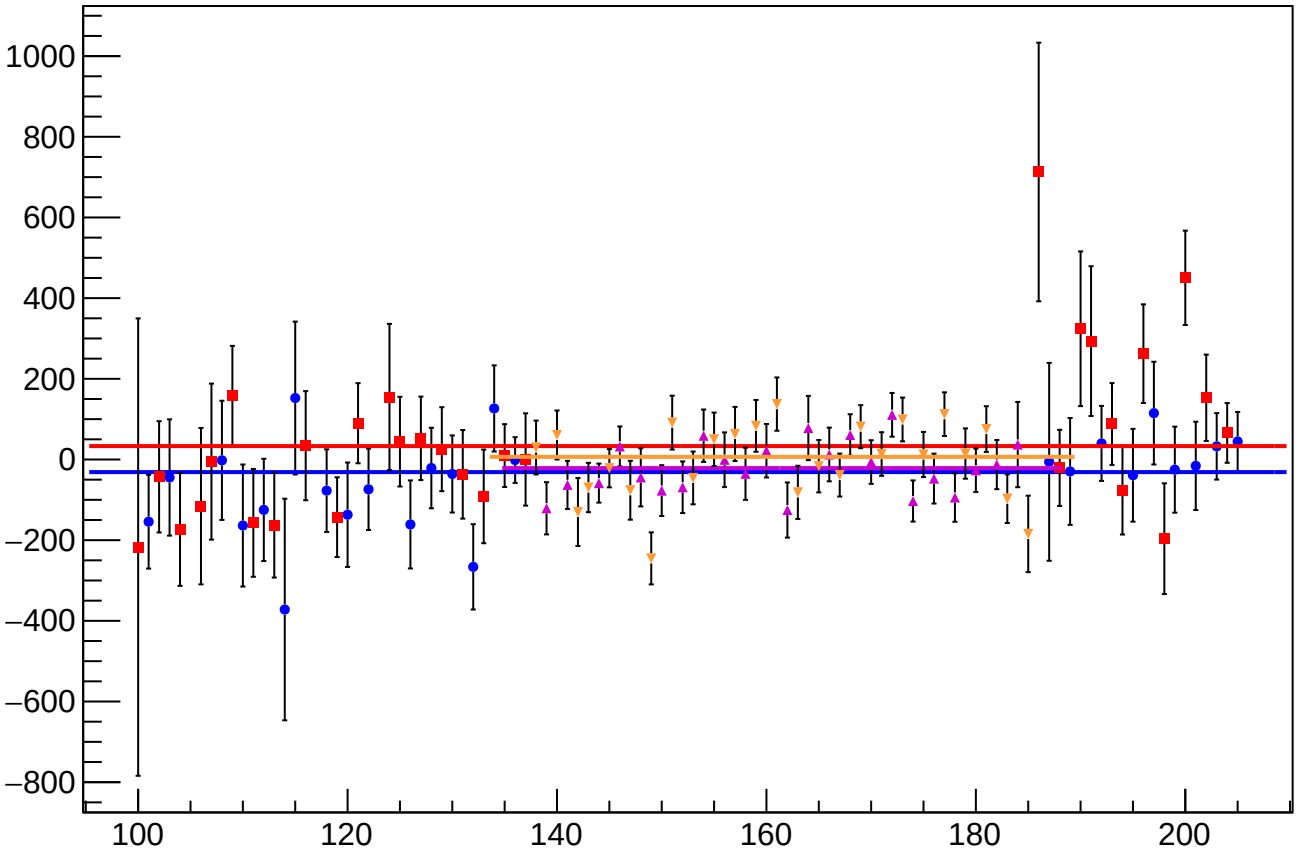
Left: 330.724+/-0.039 χ^2/NDF: 3078142.9/47

Right: 768.863+/-0.105 χ^2/NDF: 5466136.5/54

In: 382.984+/-0.052 χ^2/NDF:10498107.5/47

Out: 384.221+/-0.051 χ^2/NDF:13237920.1/54

All: 383.613+/-0.037 χ^2/NDF: 23736312.5/10



Right In: -31.246+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 33.246+/-21.740 χ^2/NDF: 45.2/29

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

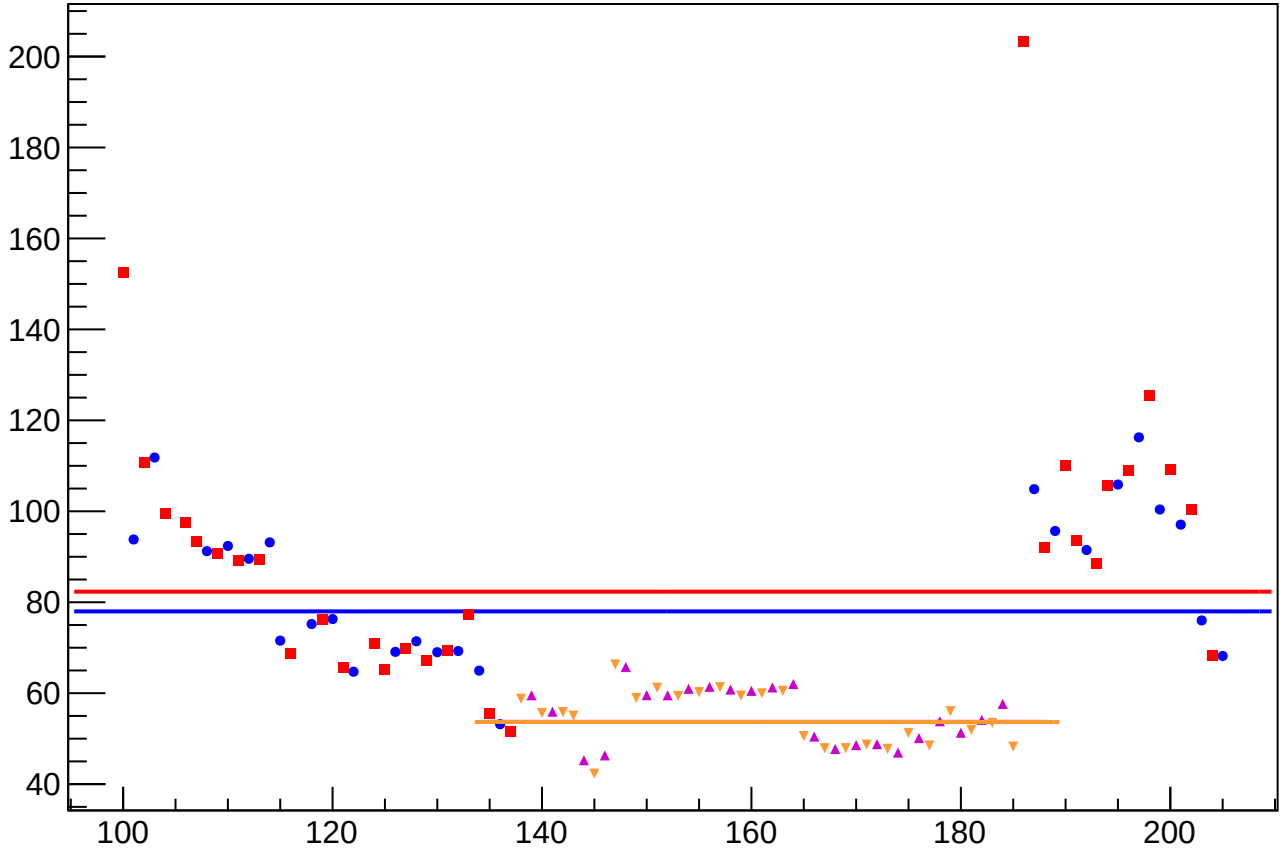
Right: 0.500+/-15.253 χ^2/NDF: 68.1/54

In: -23.900+/-10.890 χ^2/NDF:44.0/47

Out: 12.995+/-10.697 χ^2/NDF:97.0/54

All: -5.123+/-7.631 χ^2/NDF: 146.8/102

cor_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 77.991+/-0.015 χ^2/NDF: 1295079.2/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 82.329+/-0.015 χ^2/NDF: 1792074.8/29

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

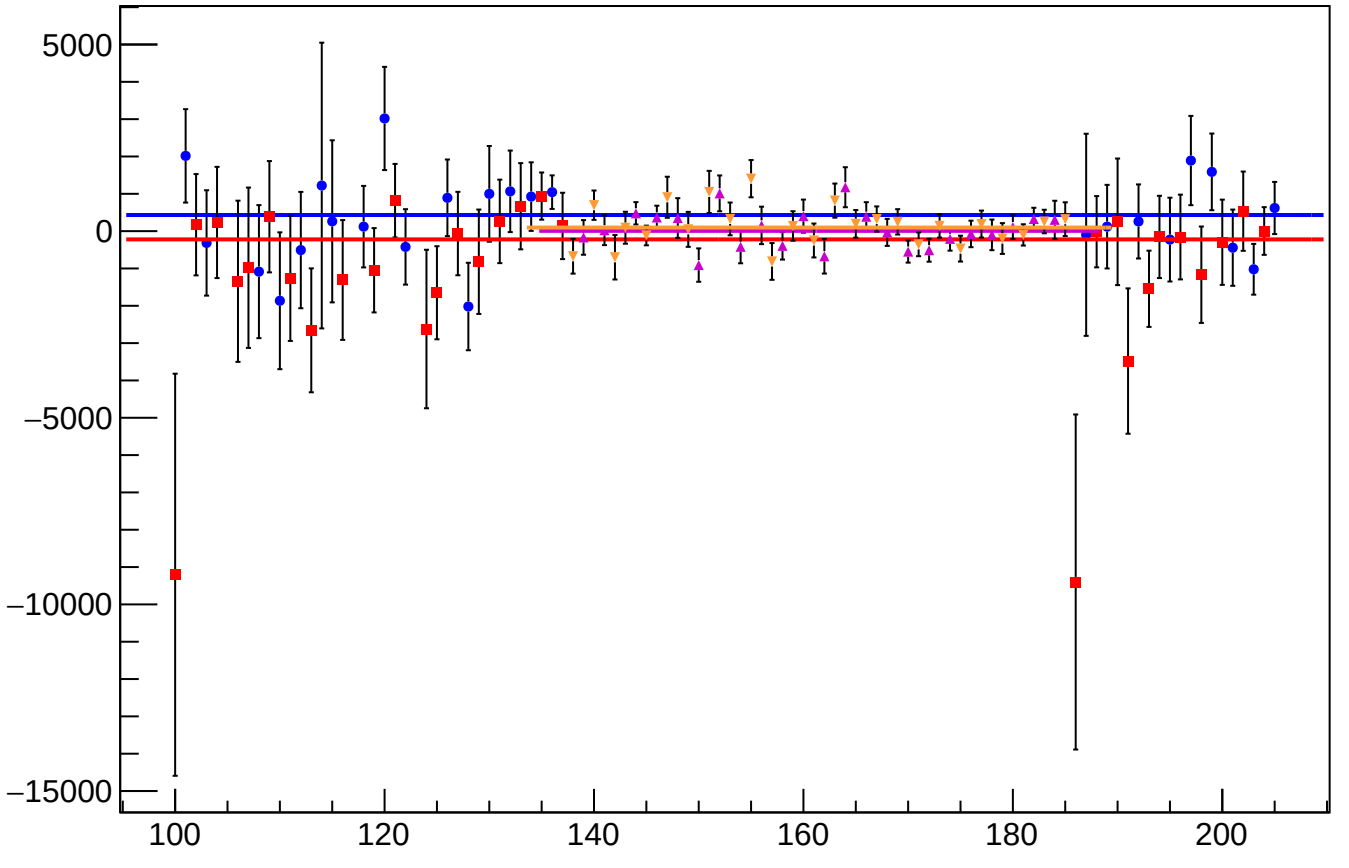
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.126+/-0.011 χ^2/NDF: 3127598.8/54

In: 59.983+/-0.008 χ^2/NDF:3676188.0/47

Out: 60.605+/-0.008 χ^2/NDF:4899381.4/54

All: 60.300+/-0.005 χ^2/NDF: 8578892.2/102



Right In: 432.312+/-205.815 χ^2/NDF: 24.8/24

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -220.986+/-216.425 χ^2/NDF: 25.2/29

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

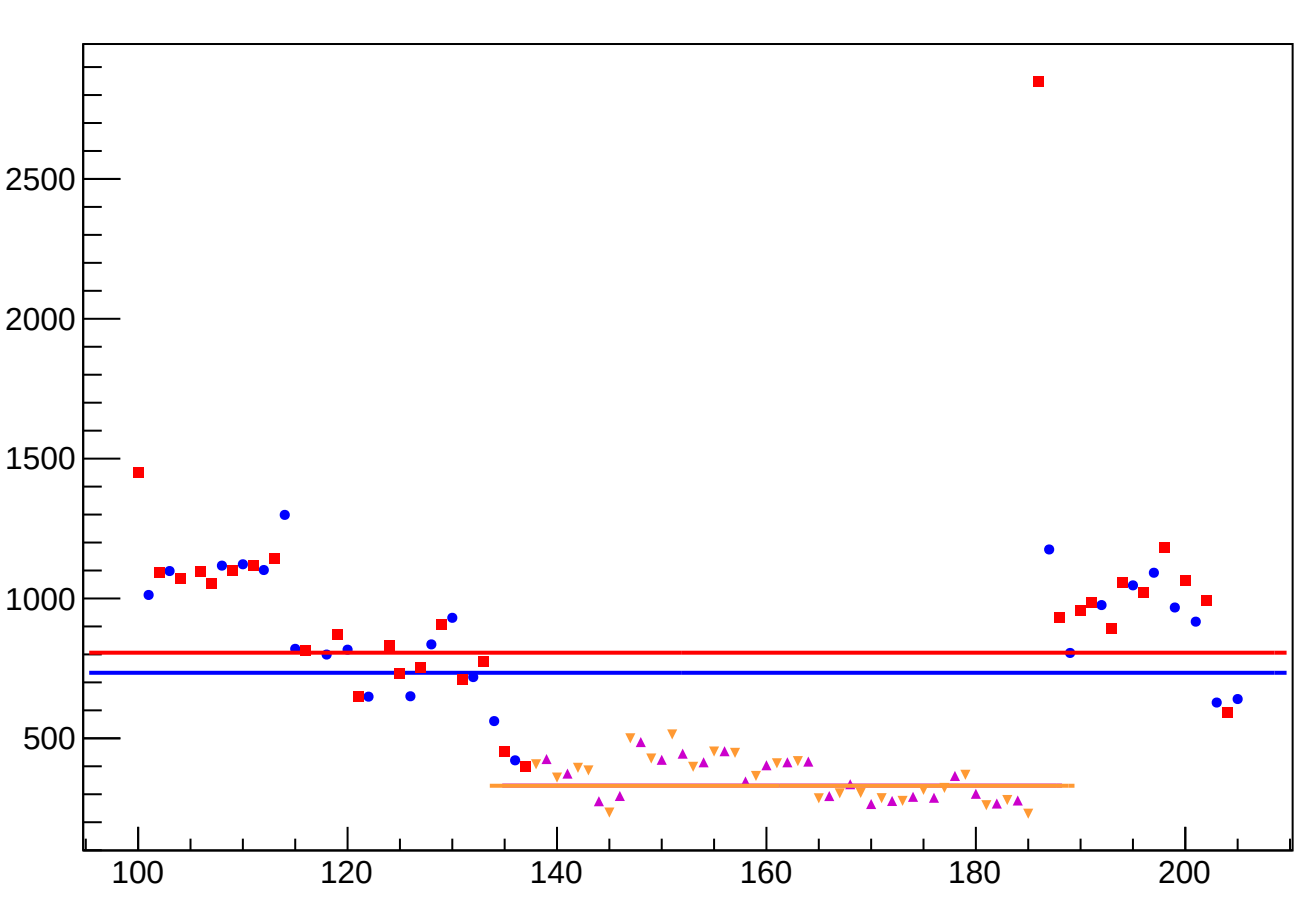
Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

Right: 122.069+/-149.143 χ^2/NDF: 54.8/54

In: 62.530+/-73.855 χ^2/NDF:60.8/47

Out: 59.793+/-72.657 χ^2/NDF:60.3/54

All: 61.139+/-51.795 χ^2/NDF: 121.1/102



Right In: 734.303+/-0.146 χ^2/NDF: 2483720.8/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 806.130+/-0.153 χ^2/NDF: 2849658.0/29

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

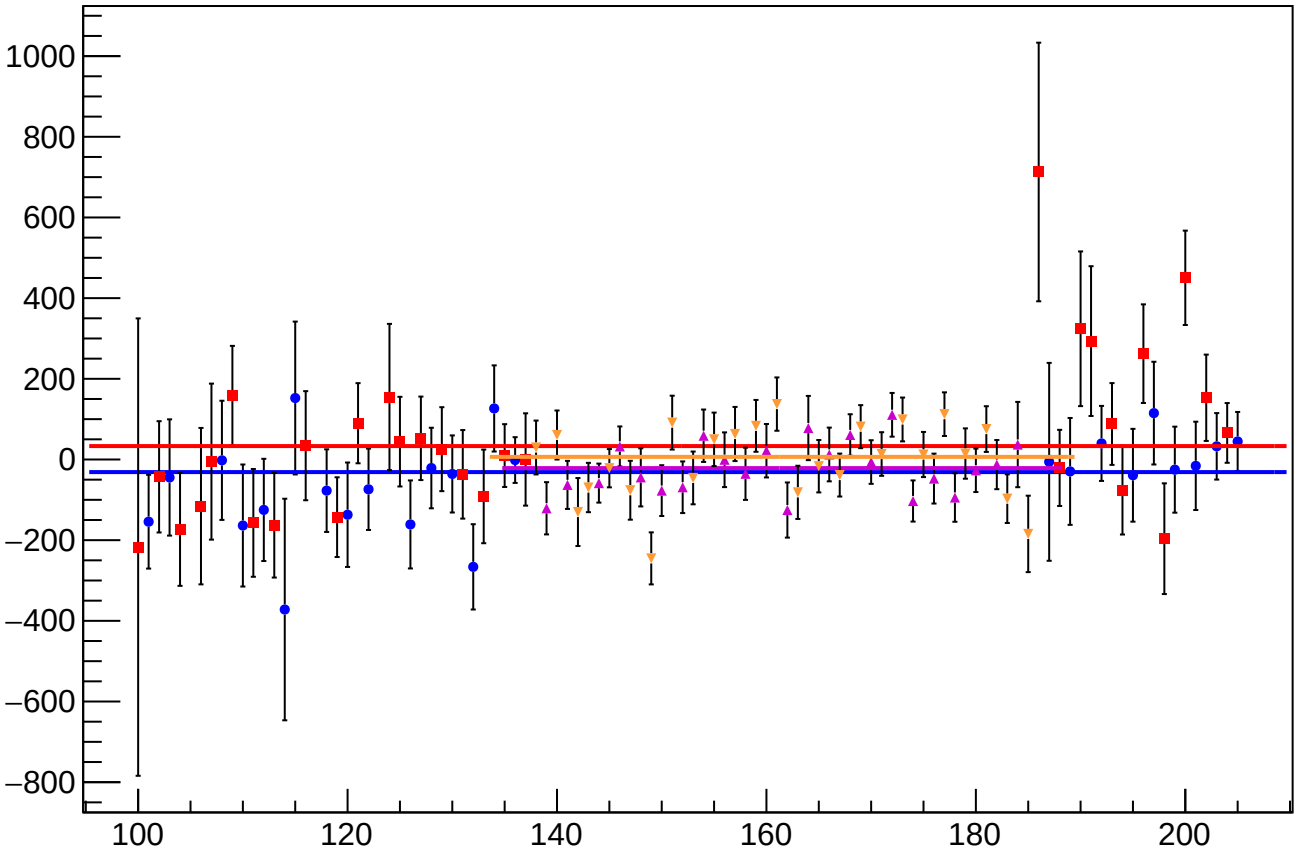
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 768.413+/-0.105 χ^2/NDF: 5449054.9/54

In: 382.984+/-0.052 χ^2/NDF:10498141.7/47

Out: 384.022+/-0.051 χ^2/NDF:13176370.4/54

All: 383.512+/-0.037 χ^2/NDF: 23674713.0/10



Right In: -31.246+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: 33.246+/-21.740 χ^2/NDF: 45.2/29

Left In: -21.335+/-12.649 χ^2/NDF:25.4/22

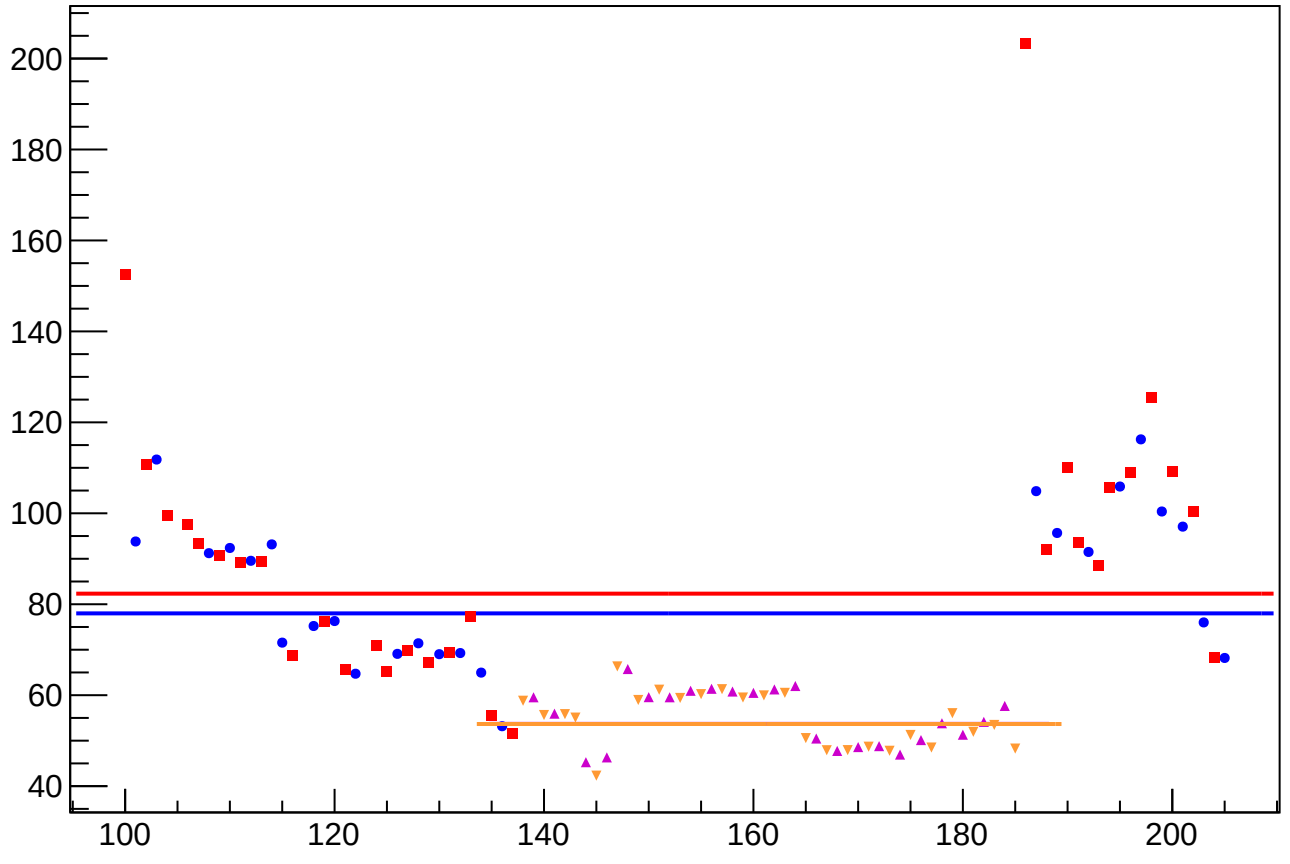
Left: -7.000+/-8.814 χ^2/NDF: 78.5/47

Right: 0.500+/-15.253 χ^2/NDF: 68.1/54

In: -23.900+/-10.890 χ^2/NDF:44.0/47

Out: 12.995+/-10.697 χ^2/NDF:97.0/54

All: -5.123+/-7.631 χ^2/NDF: 146.8/102



Right In: 77.991+/-0.015 χ^2/NDF: 1295079.2/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 82.329+/-0.015 χ^2/NDF: 1792074.8/29

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

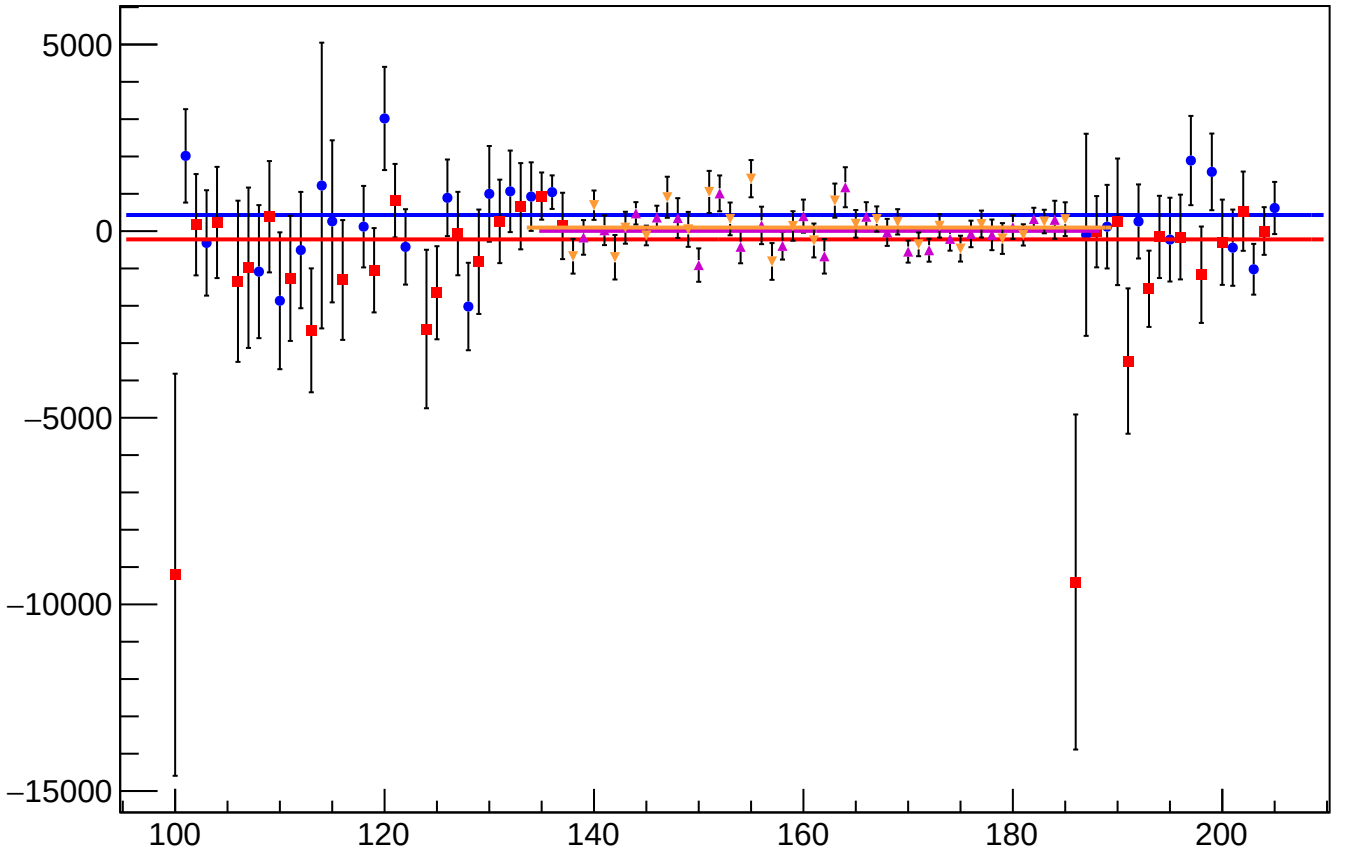
Left: 53.680+/-0.006 χ^2/NDF: 943555.9/47

Right: 80.126+/-0.011 χ^2/NDF: 3127598.8/54

In: 59.983+/-0.008 χ^2/NDF:3676188.0/47

Out: 60.605+/-0.008 χ^2/NDF:4899381.4/54

All: 60.300+/-0.005 χ^2/NDF: 8578892.2/102



Right In: 432.312+/-205.815 χ^2/NDF: 24.8/24

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: -220.986+/-216.425 χ^2/NDF: 25.2/29

Left In: 7.875+/-79.125 χ^2/NDF:32.3/22

Left: 52.783+/-55.233 χ^2/NDF: 66.1/47

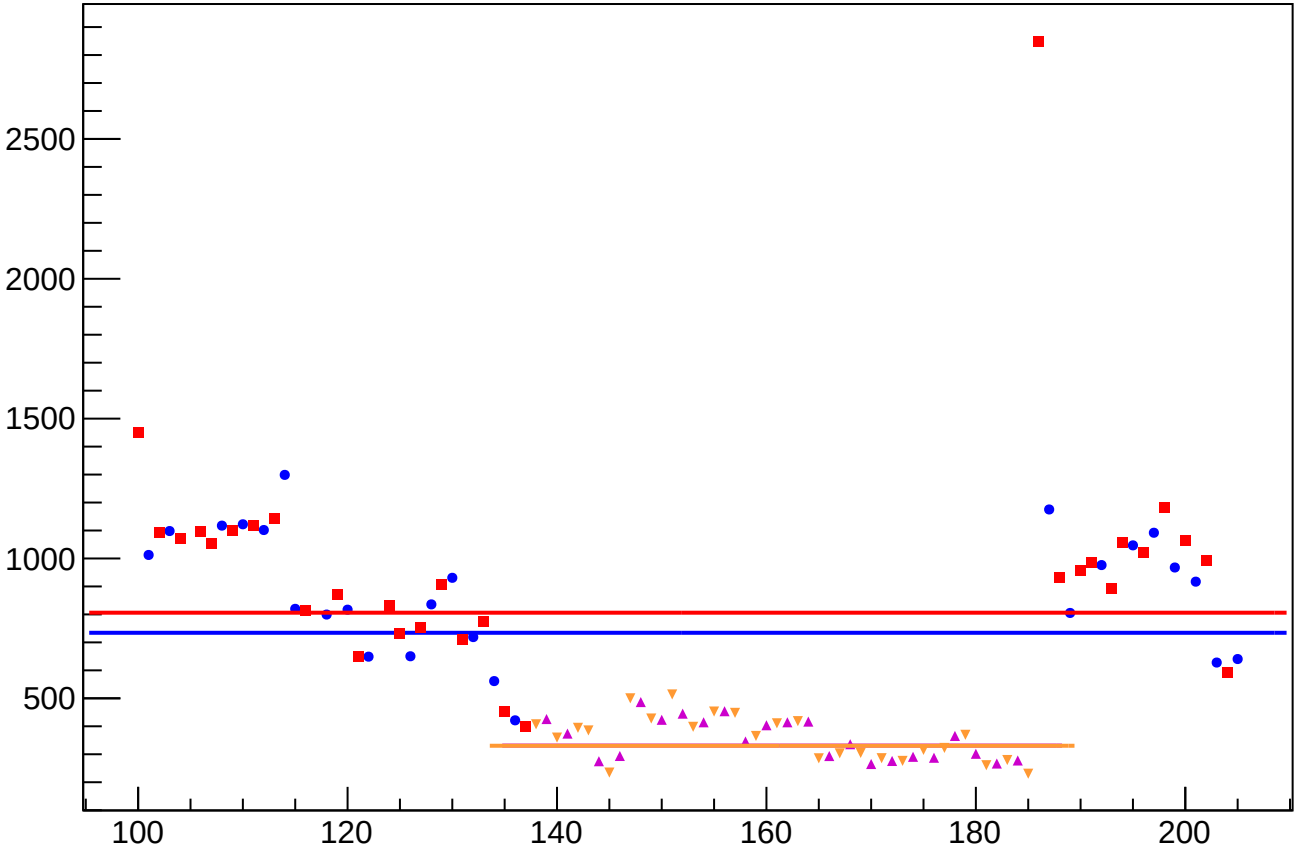
Right: 122.069+/-149.143 χ^2/NDF: 54.8/54

In: 62.530+/-73.855 χ^2/NDF:60.8/47

Out: 59.793+/-72.657 χ^2/NDF:60.3/54

All: 61.139+/-51.795 χ^2/NDF: 121.1/102

asym_sam_15_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 734.303+/-0.146 χ^2/NDF: 2483720.8/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 806.130+/-0.153 χ^2/NDF: 2849658.0/29

Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

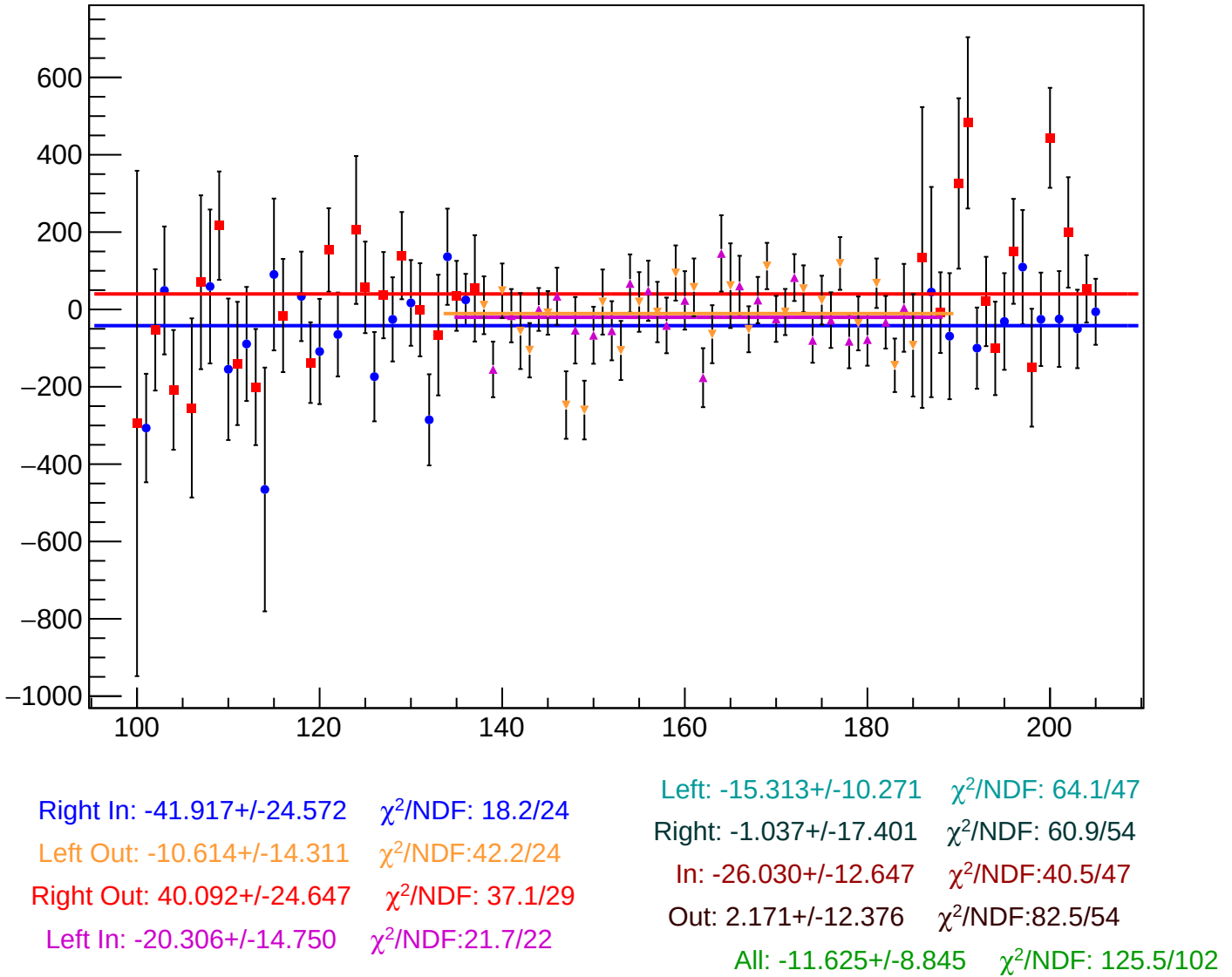
Left: 330.724+/-0.039 χ^2/NDF: 3078149.1/47

Right: 768.413+/-0.105 χ^2/NDF: 5449054.9/54

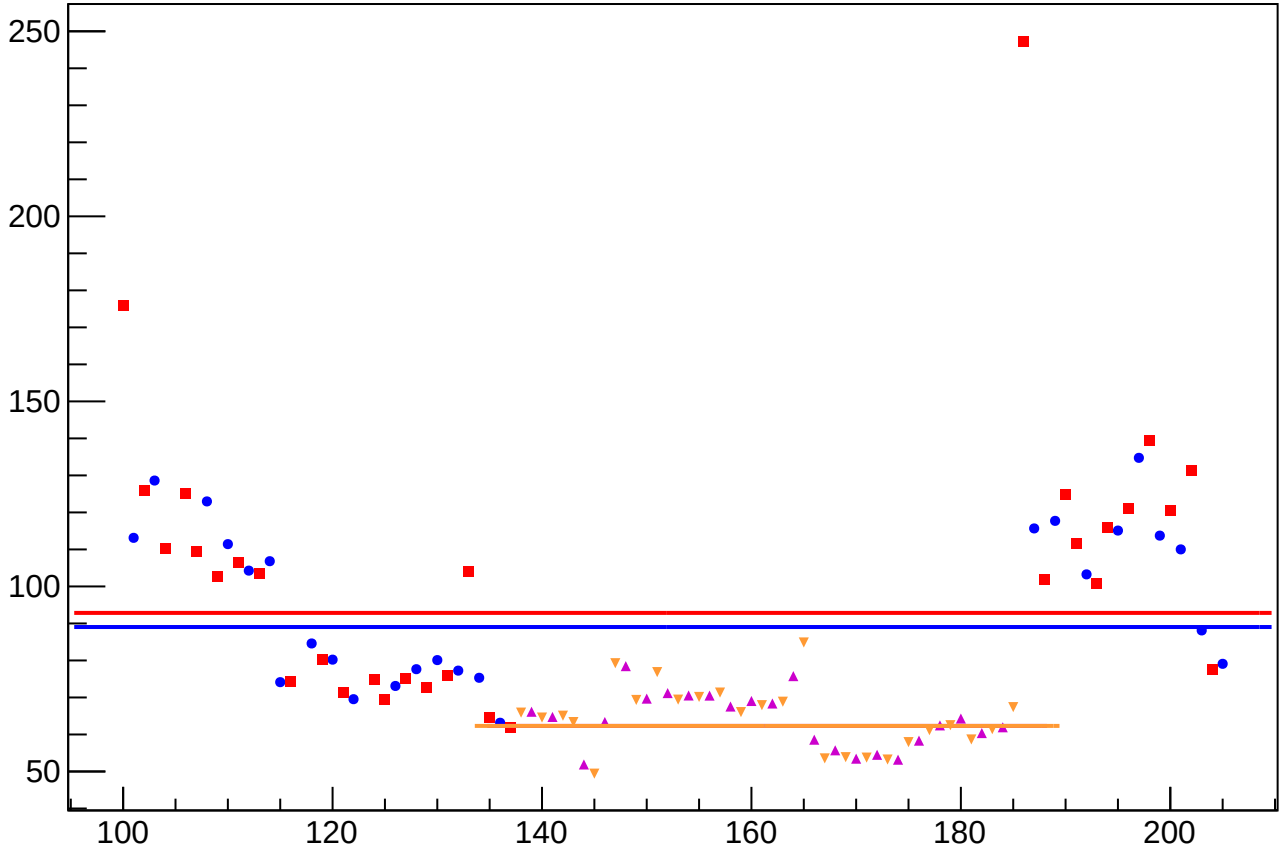
In: 382.984+/-0.052 χ^2/NDF:10498141.7/47

Out: 384.022+/-0.051 χ^2/NDF:13176370.4/54

All: 383.512+/-0.037 χ^2/NDF: 23674713.0/10


dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: -41.917+/-24.572 χ²/NDF: 18.2/24
Left Out: -10.614+/-14.311 χ²/NDF:42.2/24
Right Out: 40.092+/-24.647 χ²/NDF: 37.1/29
Left In: -20.306+/-14.750 χ²/NDF:21.7/22
Left: -15.313+/-10.271 χ²/NDF: 64.1/47
Right: -1.037+/-17.401 χ²/NDF: 60.9/54
In: -26.030+/-12.647 χ²/NDF:40.5/47
Out: 2.171+/-12.376 χ²/NDF:82.5/54
All: -11.625+/-8.845 χ²/NDF: 125.5/102

dit_asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 89.035+/-0.017 χ^2/NDF: 1354100.3/24

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 92.850+/-0.017 χ^2/NDF: 1970189.1/29

Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

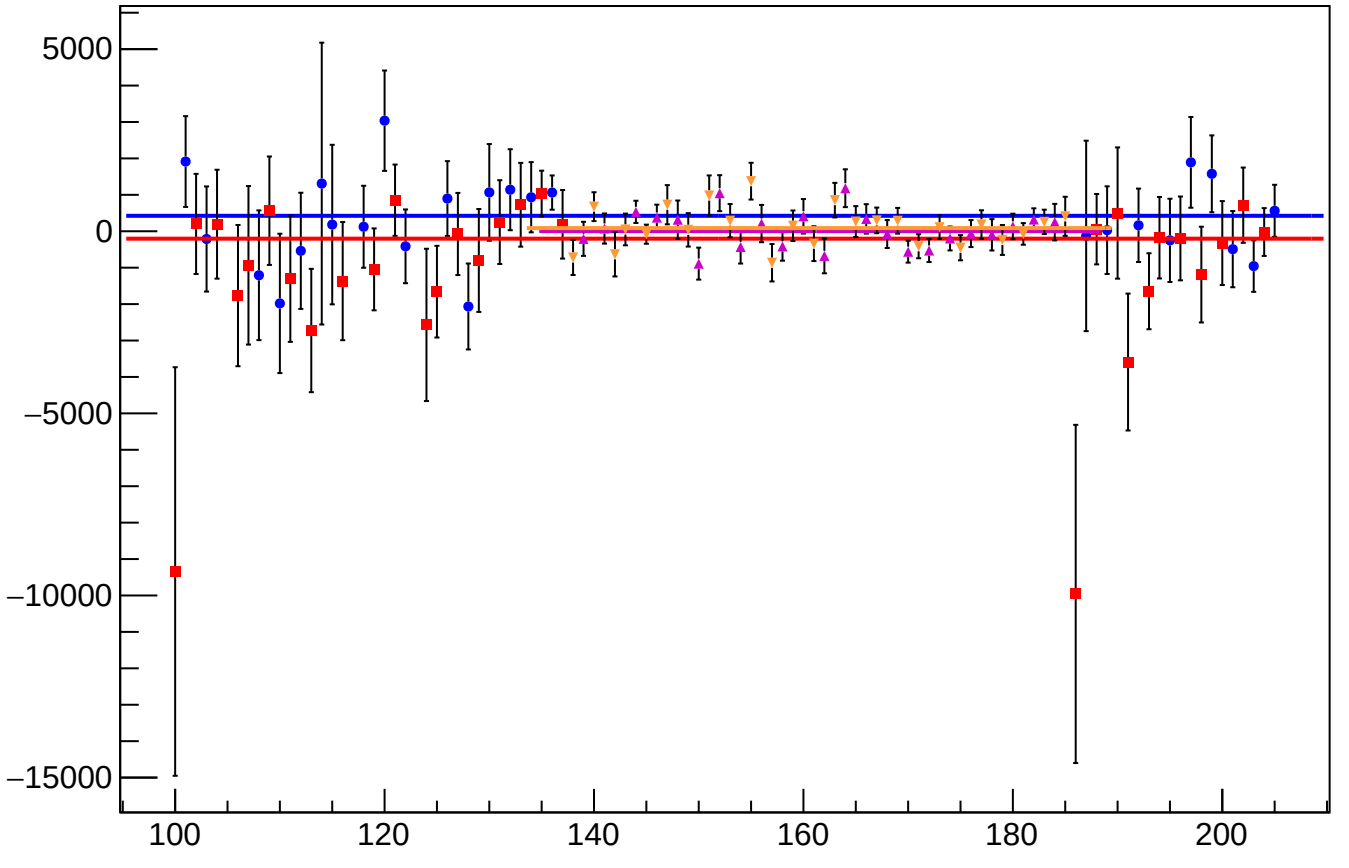
Left: 62.313+/-0.007 χ^2/NDF: 1120818.8/47

Right: 90.936+/-0.012 χ^2/NDF: 3348321.8/54

In: 69.389+/-0.009 χ^2/NDF:3577724.7/47

Out: 70.015+/-0.009 χ^2/NDF:4902000.2/54

All: 69.709+/-0.006 χ^2/NDF: 8482223.1/102



Right In: 424.429+/-211.635 χ^2/NDF: 24.0/24

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -203.411+/-218.594 χ^2/NDF: 27.6/29

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

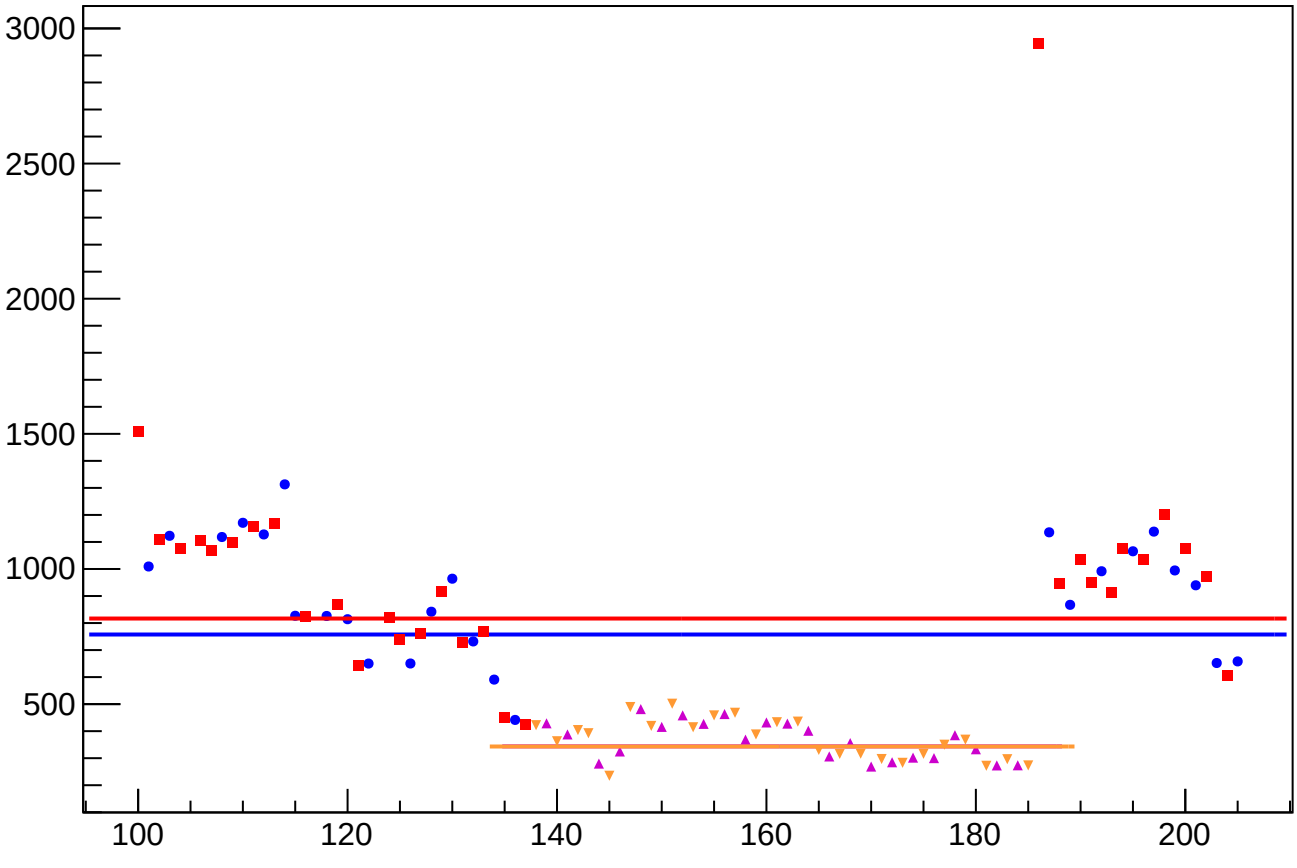
Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

Right: 120.661+/-152.049 χ^2/NDF: 55.9/54

In: 61.177+/-76.551 χ^2/NDF:59.8/47

Out: 52.807+/-74.991 χ^2/NDF:60.8/54

All: 56.906+/-53.570 χ^2/NDF: 120.7/102



Right In: 757.592+/-0.150 χ^2/NDF: 2358305.6/24

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 816.691+/-0.155 χ^2/NDF: 2840305.6/29

Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

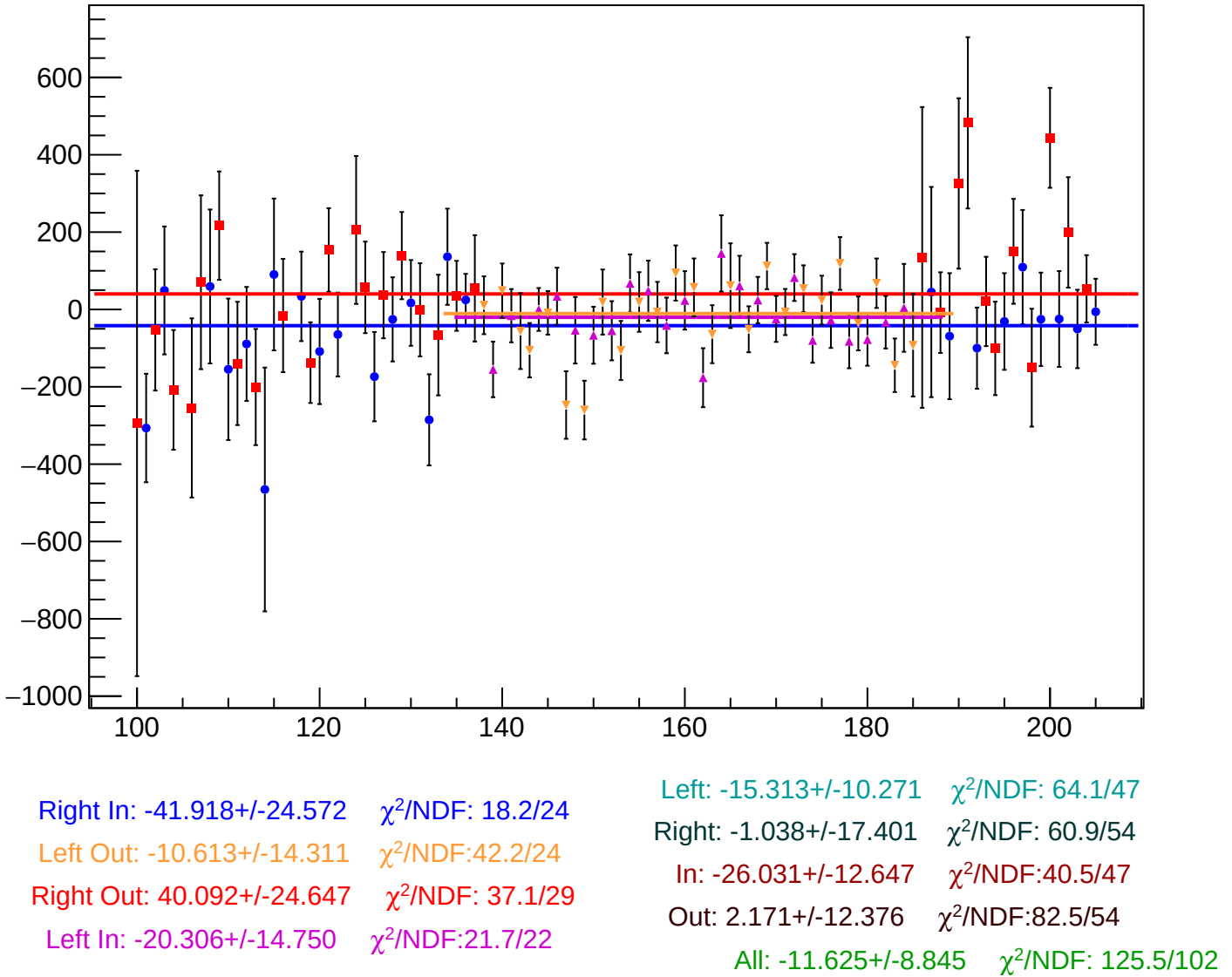
Left: 343.464+/-0.040 χ^2/NDF: 2853808.0/47

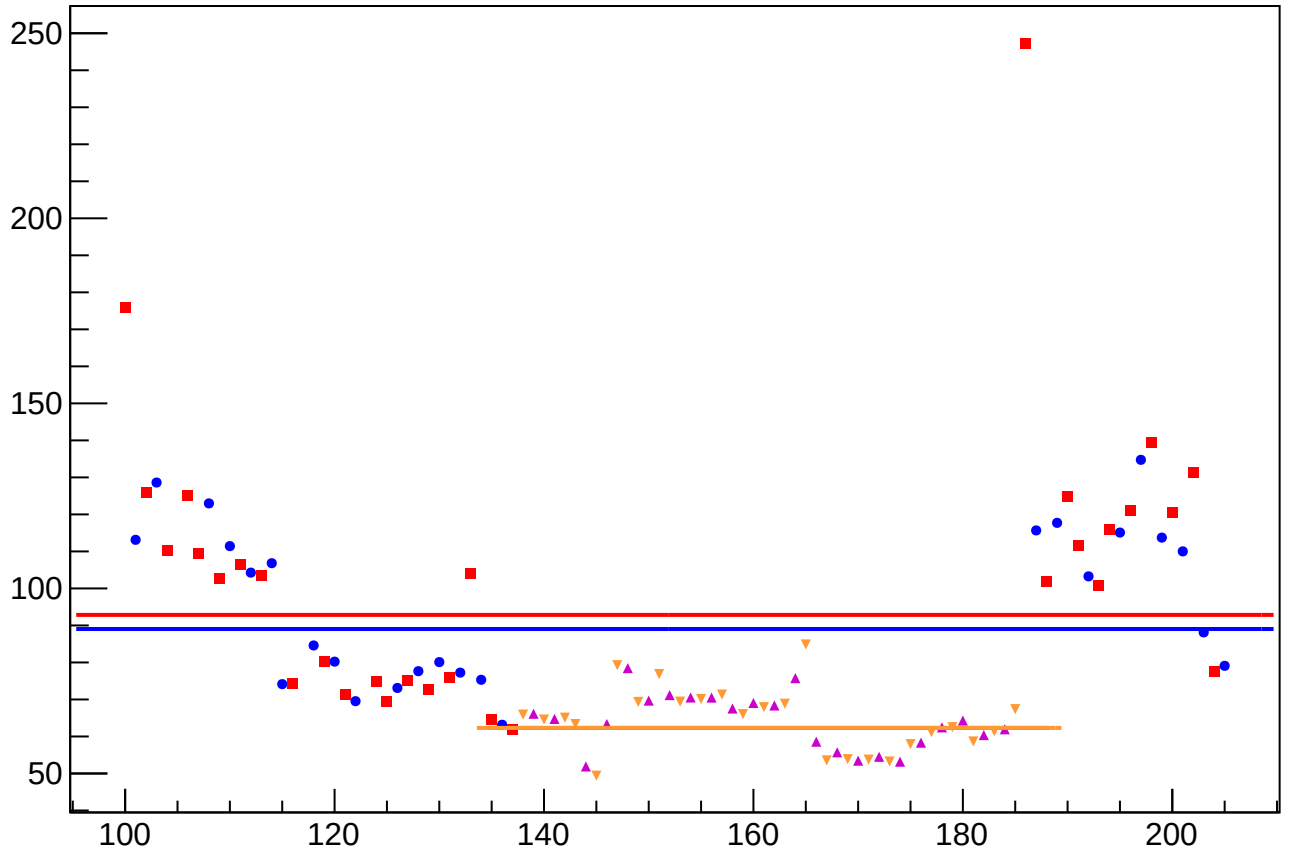
Right: 786.186+/-0.108 χ^2/NDF: 5274067.0/54

In: 397.866+/-0.054 χ^2/NDF:10264754.7/47

Out: 398.948+/-0.053 χ^2/NDF:12714176.3/54

All: 398.418+/-0.038 χ^2/NDF: 22979134.8/10


eigen_dit_asym_sam_15_26_dd_mean vs Slug, Sign Corrected
600
400
200
0
−200
−400
−600
−800
−1000
100
120
140
160
180
200
Right In: -41.918+/-24.572 χ²/NDF: 18.2/24
Left Out: -10.613+/-14.311 χ²/NDF:42.2/24
Right Out: 40.092+/-24.647 χ²/NDF: 37.1/29
Left In: -20.306+/-14.750 χ²/NDF:21.7/22
Left: -15.313+/-10.271 χ²/NDF: 64.1/47
Right: -1.038+/-17.401 χ²/NDF: 60.9/54
In: -26.031+/-12.647 χ²/NDF:40.5/47
Out: 2.171+/-12.376 χ²/NDF:82.5/54
All: -11.625+/-8.845 χ²/NDF: 125.5/102



Right In: 89.034+/-0.017 χ^2/NDF: 1354118.5/24

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

Right Out: 92.849+/-0.017 χ^2/NDF: 1970189.6/29

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

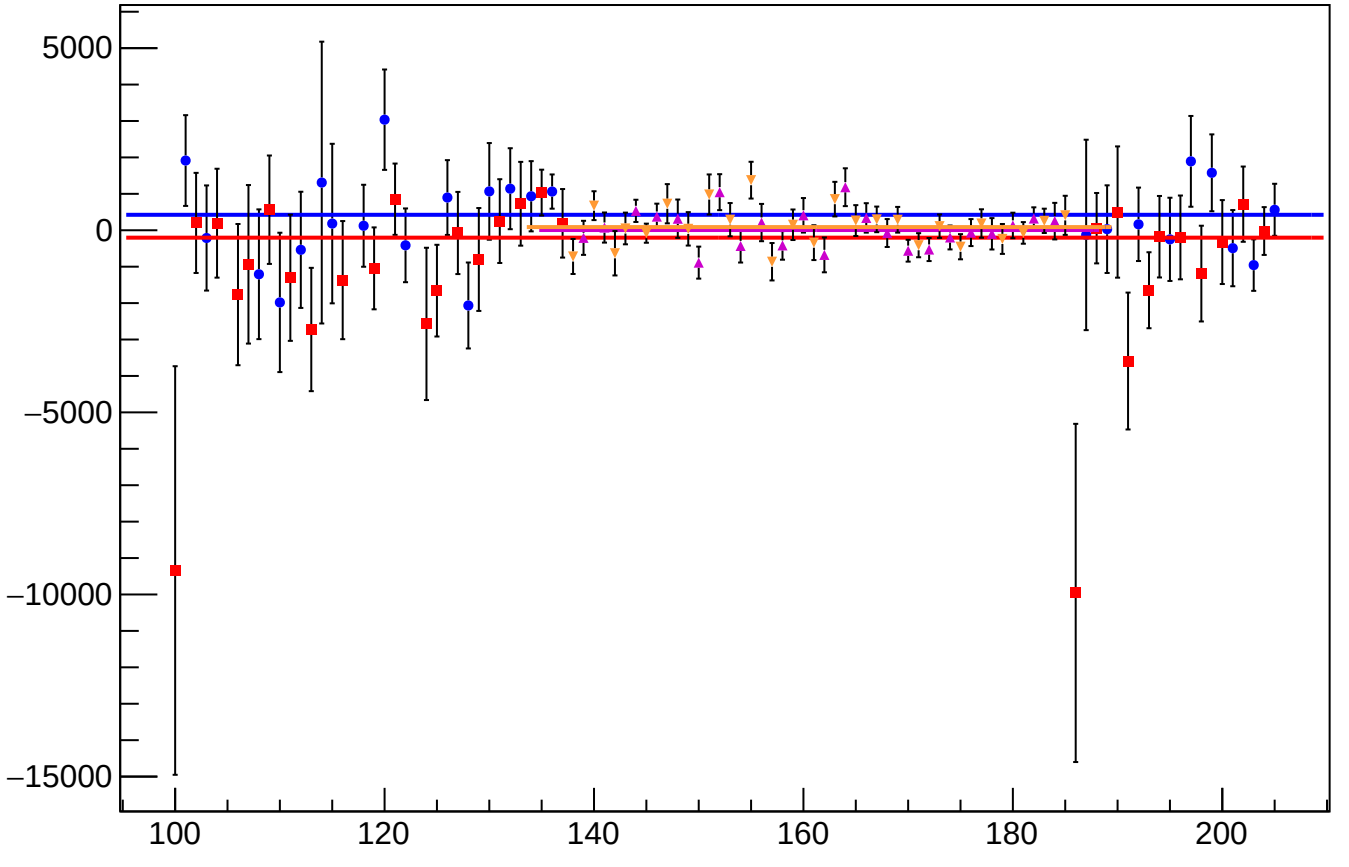
Left: 62.314+/-0.007 χ^2/NDF: 1120812.6/47

Right: 90.936+/-0.012 χ^2/NDF: 3348342.2/54

In: 69.389+/-0.009 χ^2/NDF:3577675.8/47

Out: 70.015+/-0.009 χ^2/NDF:4901966.3/54

All: 69.709+/-0.006 χ^2/NDF: 8482139.6/102



Right In: 424.429+/-211.635 χ^2/NDF: 24.0/24

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: -203.412+/-218.594 χ^2/NDF: 27.6/29

Left In: 6.497+/-82.111 χ^2/NDF:32.4/22

Left: 47.871+/-57.240 χ^2/NDF: 64.6/47

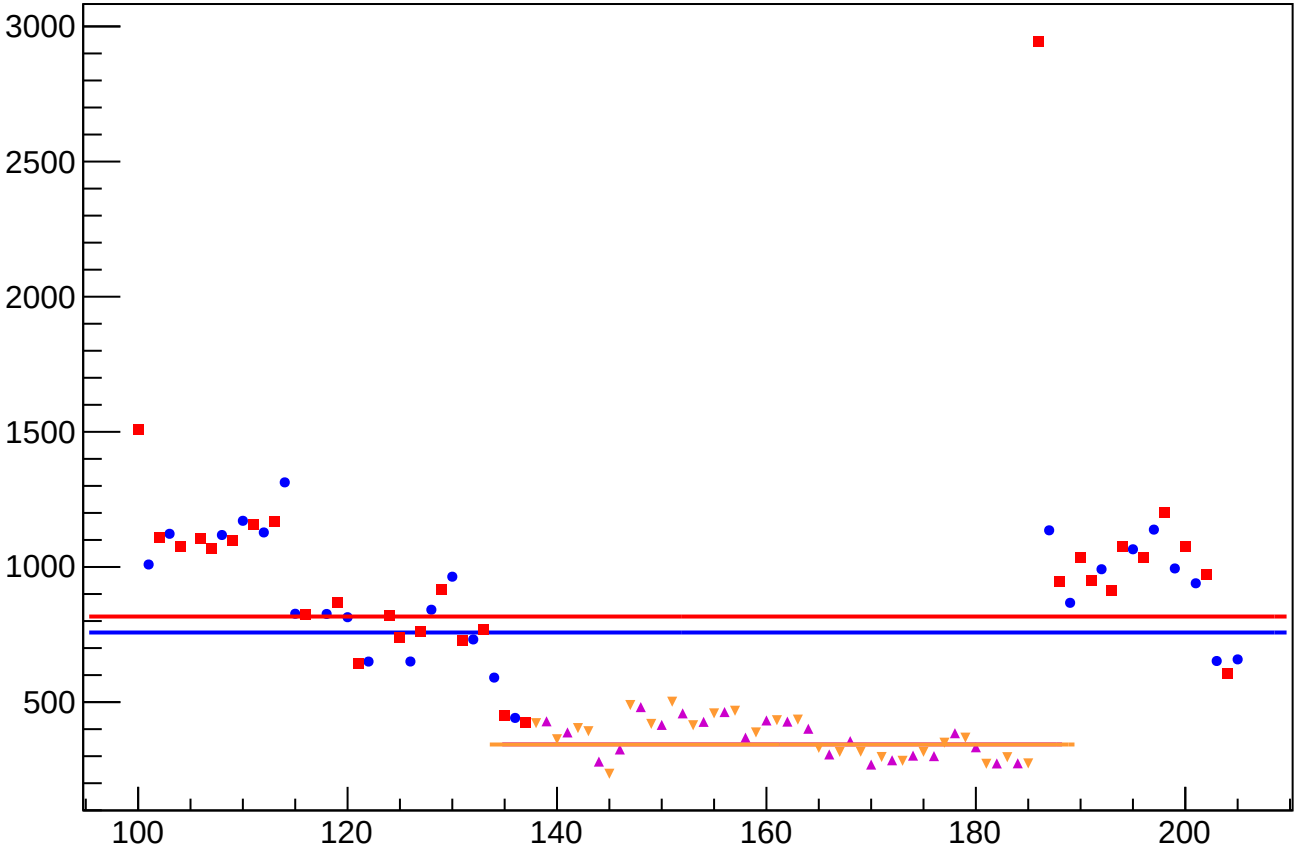
Right: 120.661+/-152.049 χ^2/NDF: 55.9/54

In: 61.177+/-76.551 χ^2/NDF:59.8/47

Out: 52.807+/-74.991 χ^2/NDF:60.8/54

All: 56.906+/-53.570 χ^2/NDF: 120.7/102

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 757.593+/-0.150 χ^2/NDF: 2358291.7/24

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 816.691+/-0.155 χ^2/NDF: 2840295.0/29

Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

Left: 343.464+/-0.040 χ^2/NDF: 2853844.3/47

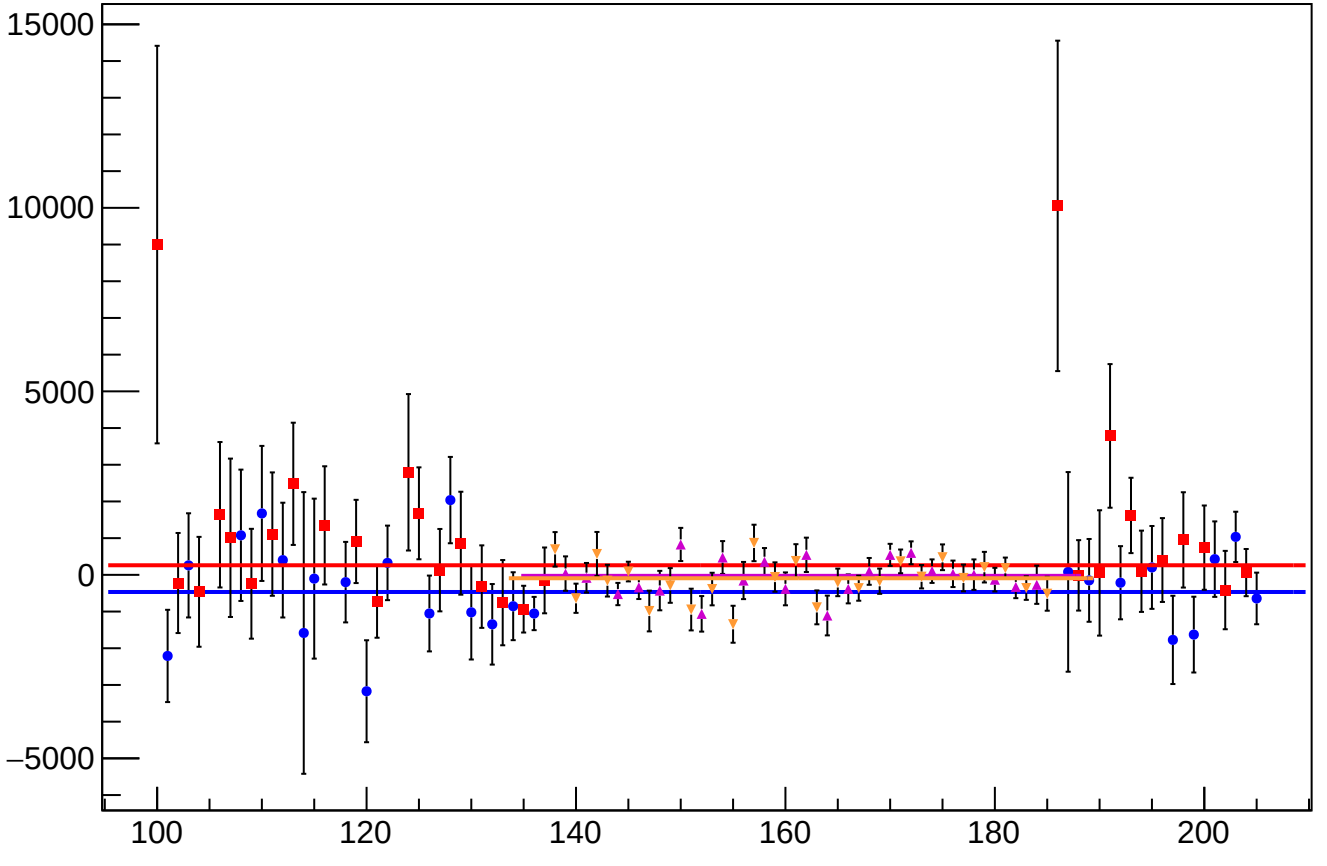
Right: 786.186+/-0.108 χ^2/NDF: 5274042.2/54

In: 397.867+/-0.054 χ^2/NDF:10264754.3/47

Out: 398.948+/-0.053 χ^2/NDF:12714186.1/54

All: 398.418+/-0.038 χ^2/NDF: 22979144.1/10

asym_sam_15_26_dd_mean vs Slug, Sign Corrected



Right In: -466.997+/-207.111 χ^2/NDF: 25.3/24

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: 261.184+/-217.431 χ^2/NDF: 26.0/29

Left In: -27.173+/-80.207 χ^2/NDF:30.9/22

Left: -60.759+/-55.986 χ^2/NDF: 65.4/47

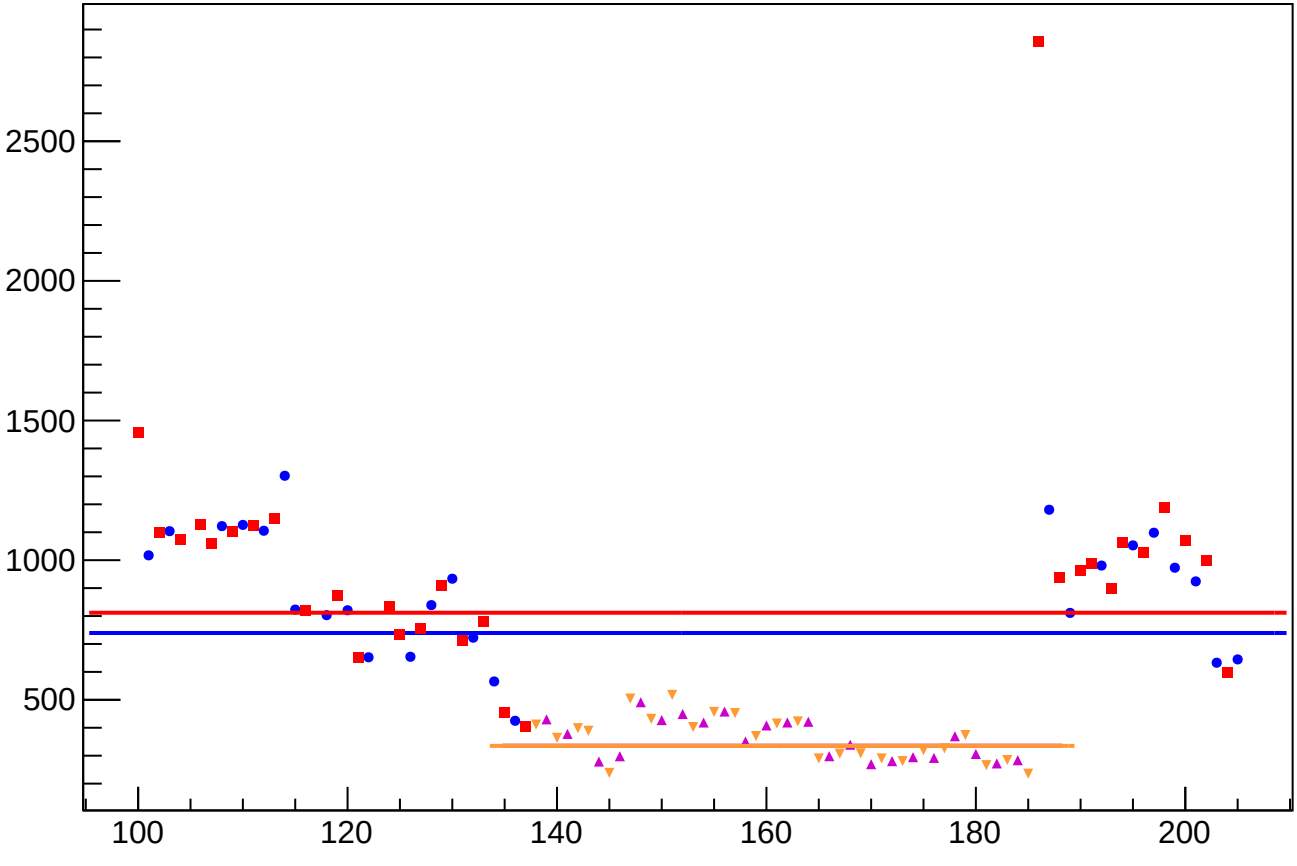
Right: -120.596+/-149.965 χ^2/NDF: 57.1/54

In: -84.534+/-74.795 χ^2/NDF:60.1/47

Out: -52.156+/-73.572 χ^2/NDF:62.5/54

All: -68.078+/-52.450 χ^2/NDF: 122.7/102

asym_sam_15_26_dd_rms vs Slug, Sign Corrected



Right In: 739.276+/-0.146 χ^2/NDF: 2462437.7/24

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

Right Out: 811.869+/-0.154 χ^2/NDF: 2847561.7/29

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

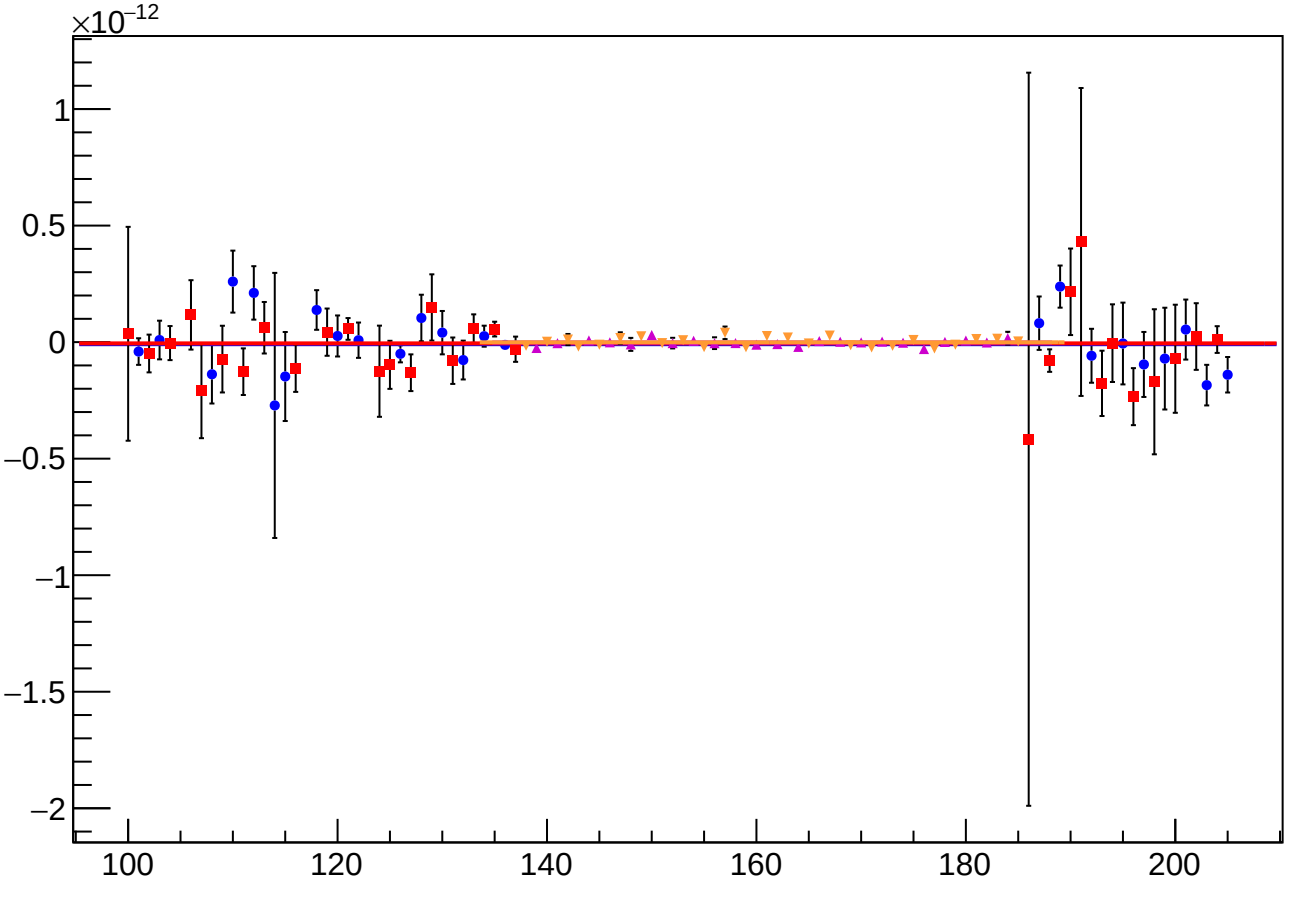
Left: 335.460+/-0.040 χ^2/NDF: 2997455.5/47

Right: 773.809+/-0.106 χ^2/NDF: 5426882.3/54

In: 388.409+/-0.053 χ^2/NDF:10354596.1/47

Out: 389.732+/-0.052 χ^2/NDF:13066970.8/54

All: 389.081+/-0.037 χ^2/NDF: 23421884.9/10



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.4/29

Left In: -0.000+/-0.000 χ^2/NDF:14.8/22

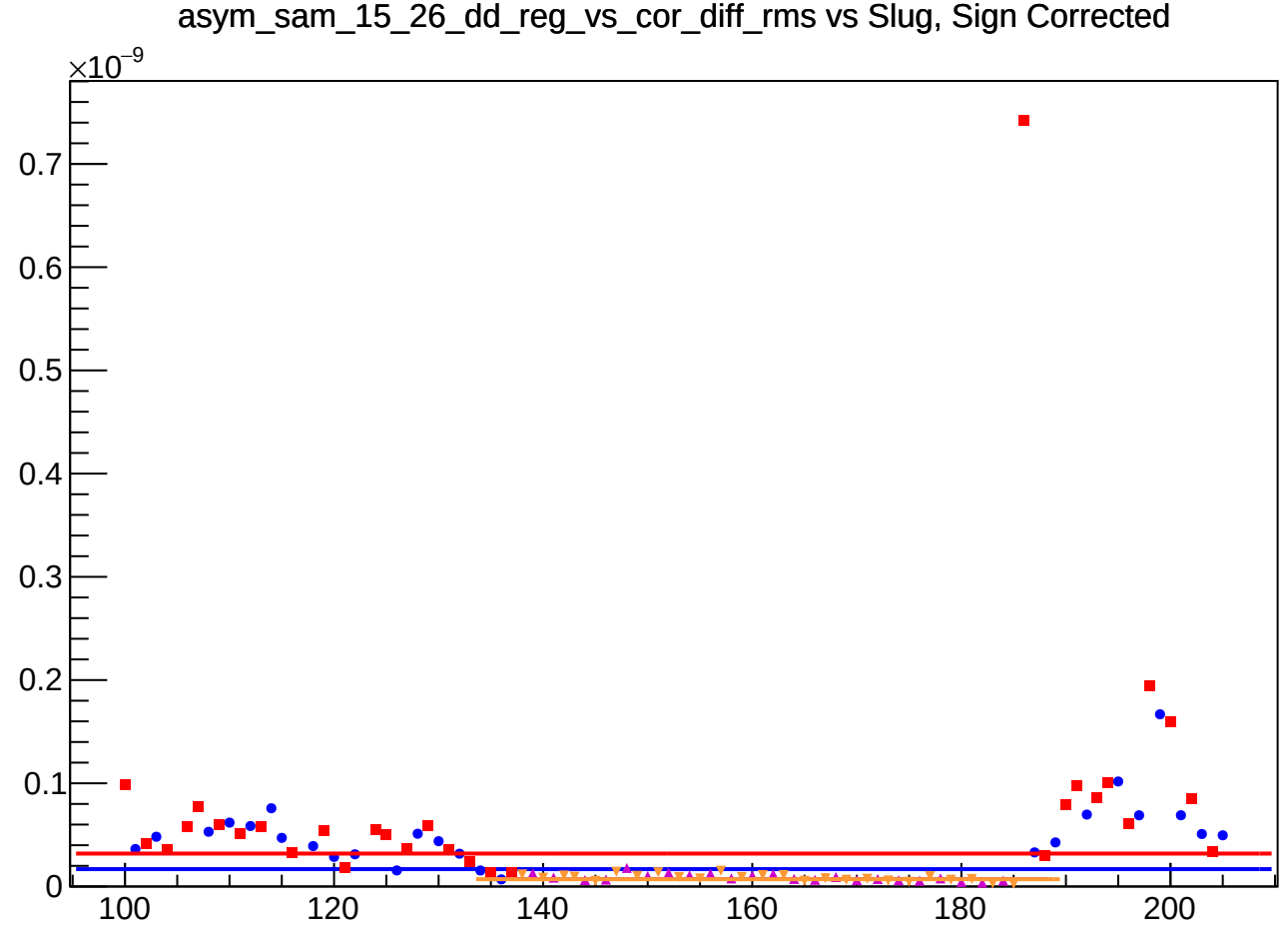
Left: -0.000+/-0.000 χ^2/NDF: 48.1/47

Right: -0.000+/-0.000 χ^2/NDF: 60.6/54

In: -0.000+/-0.000 χ^2/NDF:48.5/47

Out: -0.000+/-0.000 χ^2/NDF:60.7/54

All: -0.000+/-0.000 χ^2/NDF: 109.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 6560011.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4618489.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

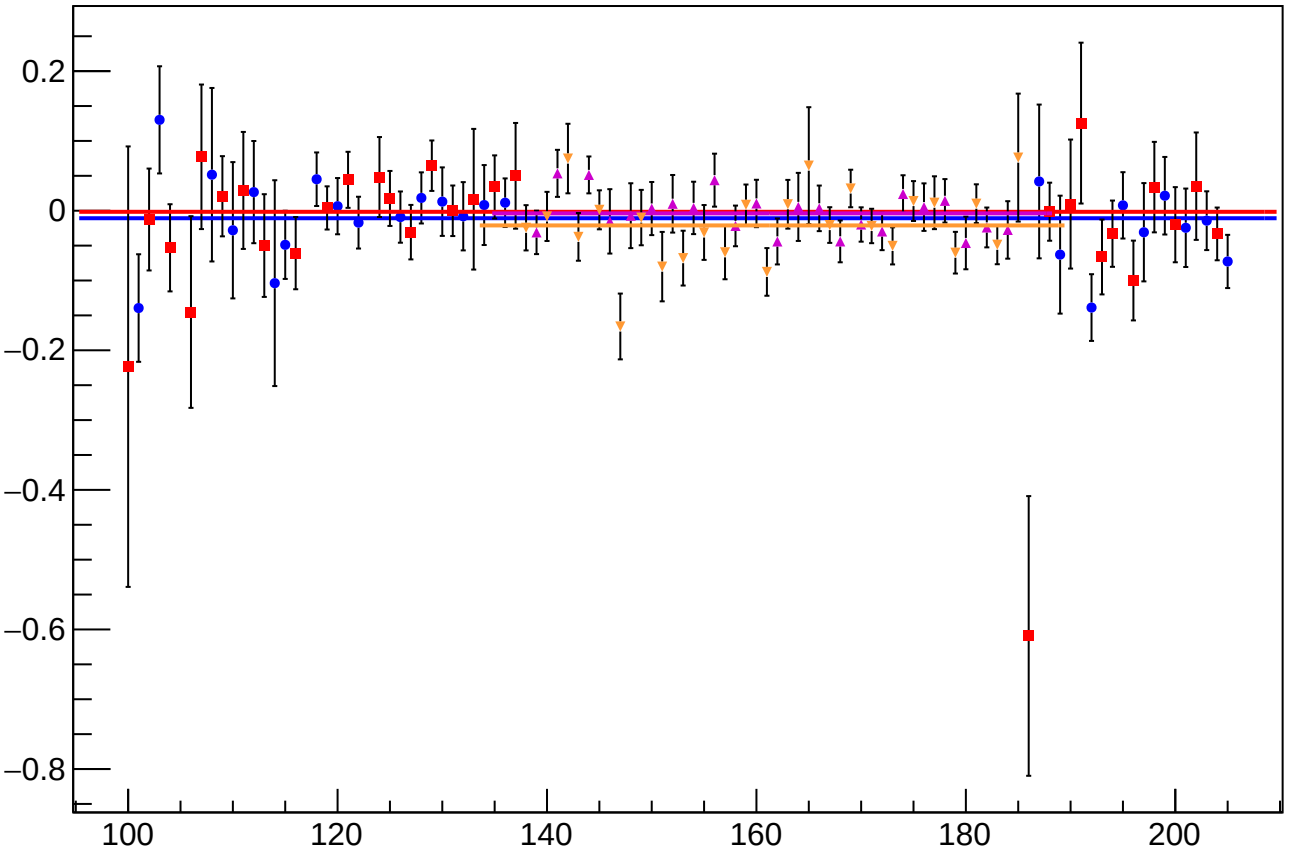
Left: 0.000+/-0.000 χ^2/NDF: 3606525.6/47

Right: 0.000+/-0.000 χ^2/NDF: 12546893.7/54

In: 0.000+/-0.000 χ^2/NDF:9850685.7/47

Out: 0.000+/-0.000 χ^2/NDF:11781274.5/54

All: 0.000+/-0.000 χ^2/NDF: 21632524.8/102



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

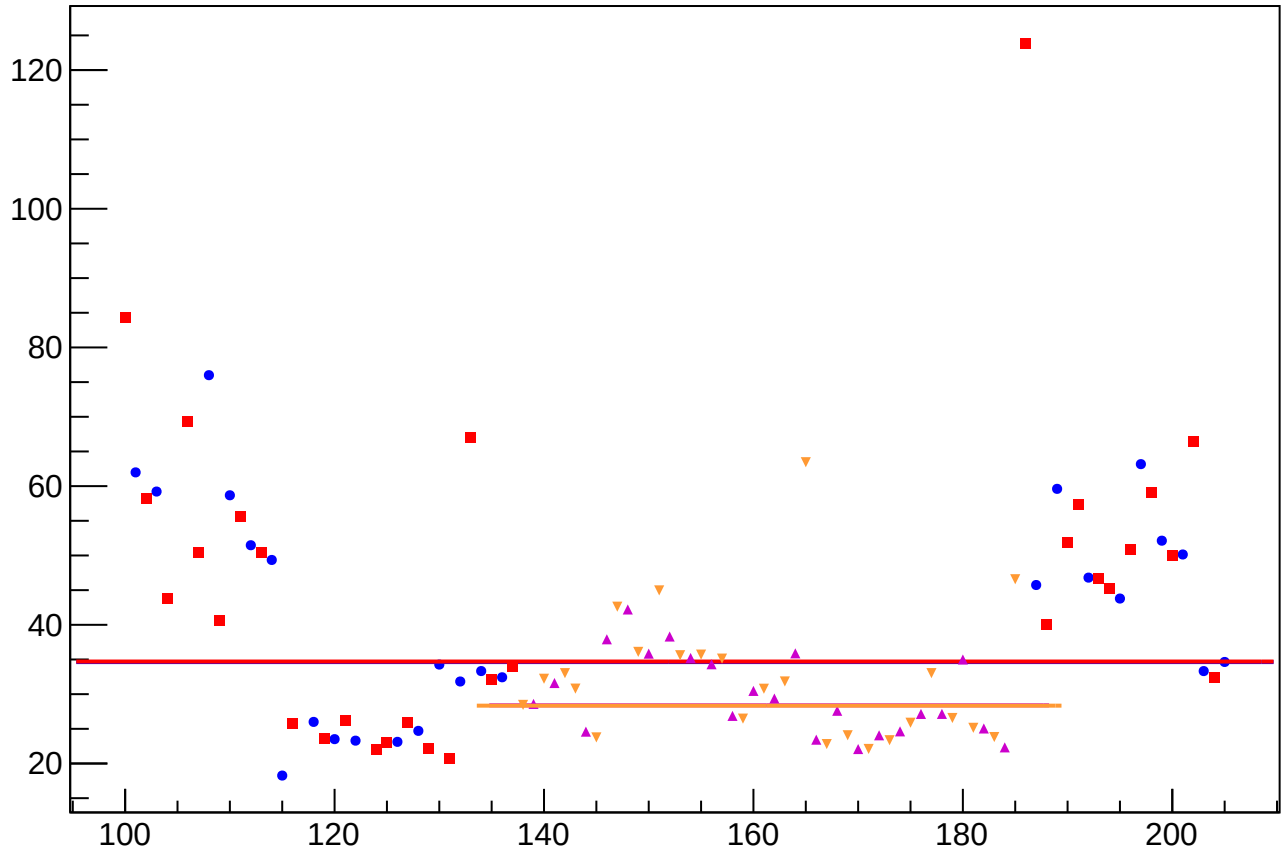
Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

Right: -0.006+/-0.007 χ^2/NDF: 51.8/54

In: -0.006+/-0.006 χ^2/NDF:41.5/47

Out: -0.015+/-0.006 χ^2/NDF:68.8/54

All: -0.011+/-0.004 χ^2/NDF: 111.5/102



Right In: 34.625+/-0.007 χ^2/NDF: 3029601.7/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.707+/-0.007 χ^2/NDF: 3968545.0/29

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

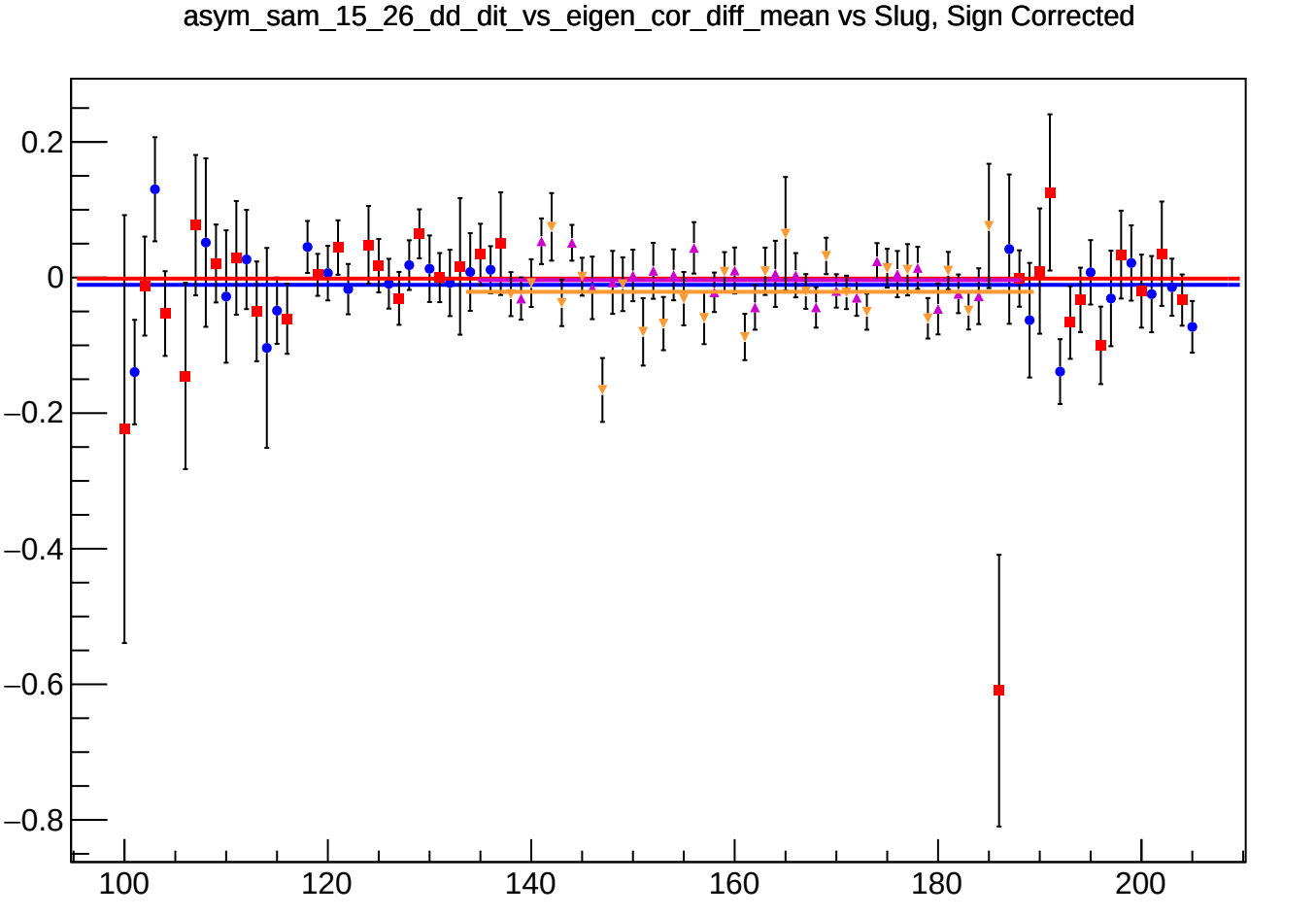
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.667+/-0.005 χ^2/NDF: 6998214.8/54

In: 30.361+/-0.004 χ^2/NDF:4650985.1/47

Out: 30.369+/-0.004 χ^2/NDF:6282336.1/54

All: 30.365+/-0.003 χ^2/NDF: 10933323.4/102



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

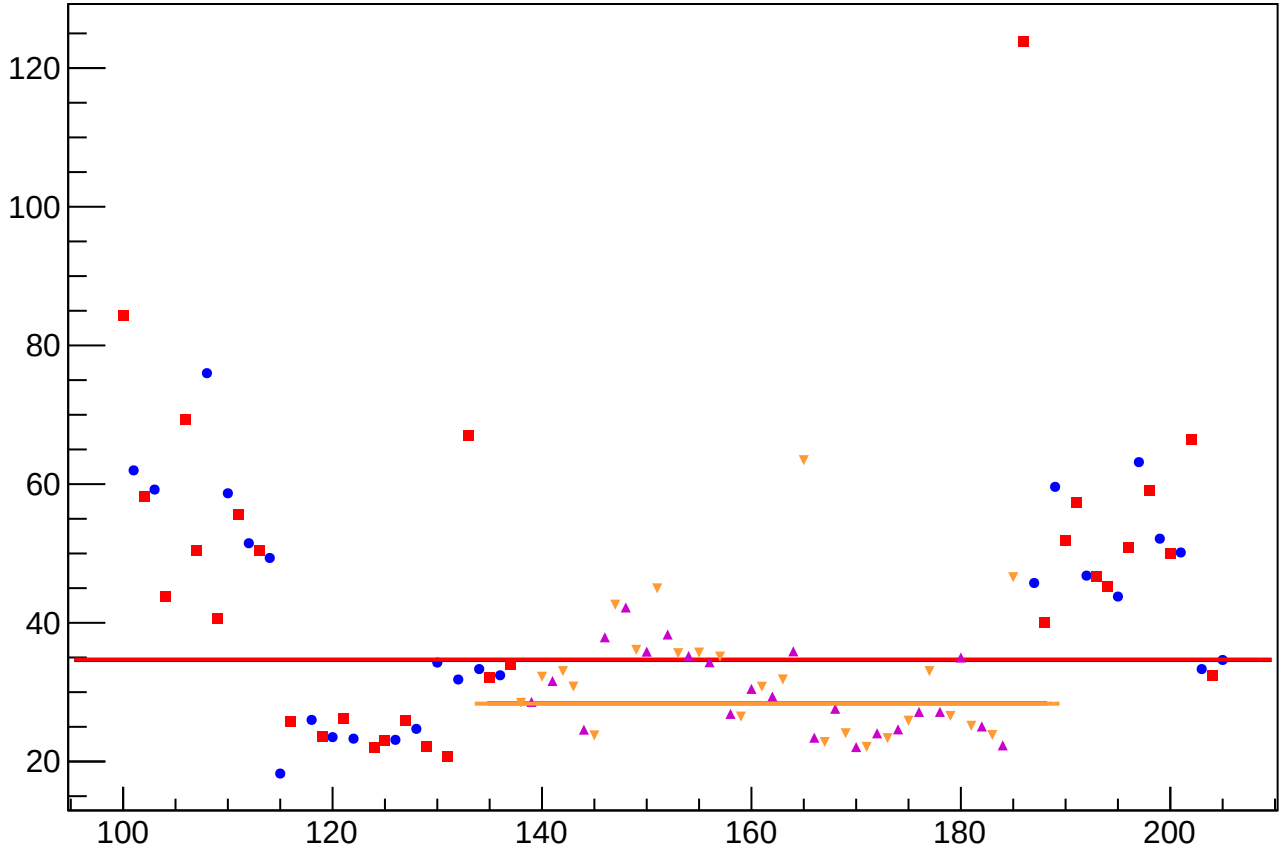
Right: -0.006+/-0.007 χ^2/NDF: 51.8/54

In: -0.006+/-0.006 χ^2/NDF:41.5/47

Out: -0.015+/-0.006 χ^2/NDF:68.8/54

All: -0.011+/-0.004 χ^2/NDF: 111.5/102

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.625+/-0.007 χ^2/NDF: 3029601.7/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

Right Out: 34.707+/-0.007 χ^2/NDF: 3968545.0/29

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

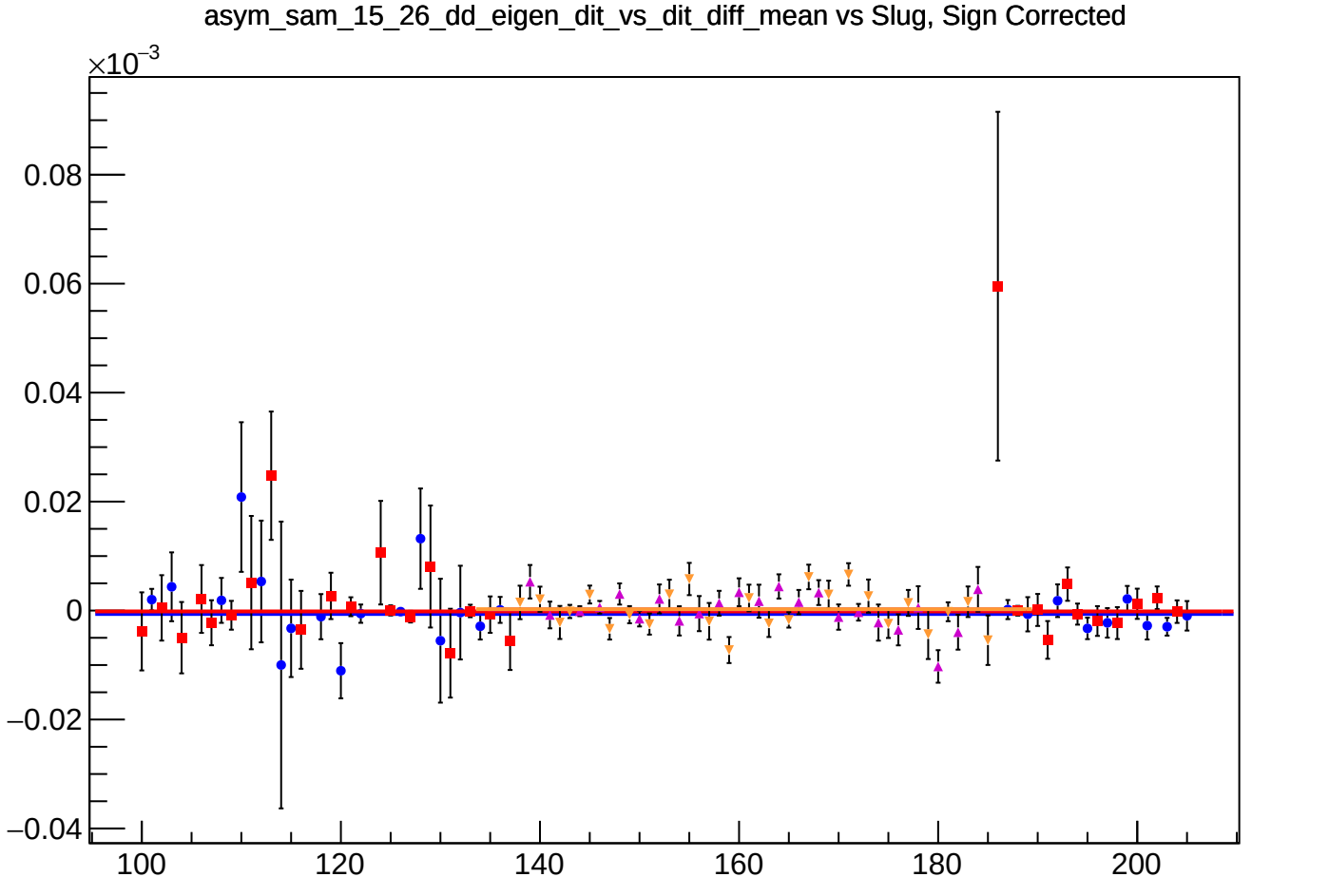
Left: 28.365+/-0.003 χ^2/NDF: 2832490.4/47

Right: 34.667+/-0.005 χ^2/NDF: 6998214.8/54

In: 30.361+/-0.004 χ^2/NDF:4650985.1/47

Out: 30.369+/-0.004 χ^2/NDF:6282336.1/54

All: 30.365+/-0.003 χ^2/NDF: 10933323.4/102



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 22.7/29

Left In: 0.000+/-0.000 χ^2/NDF:33.2/22

Left: 0.000+/-0.000 χ^2/NDF: 84.0/47

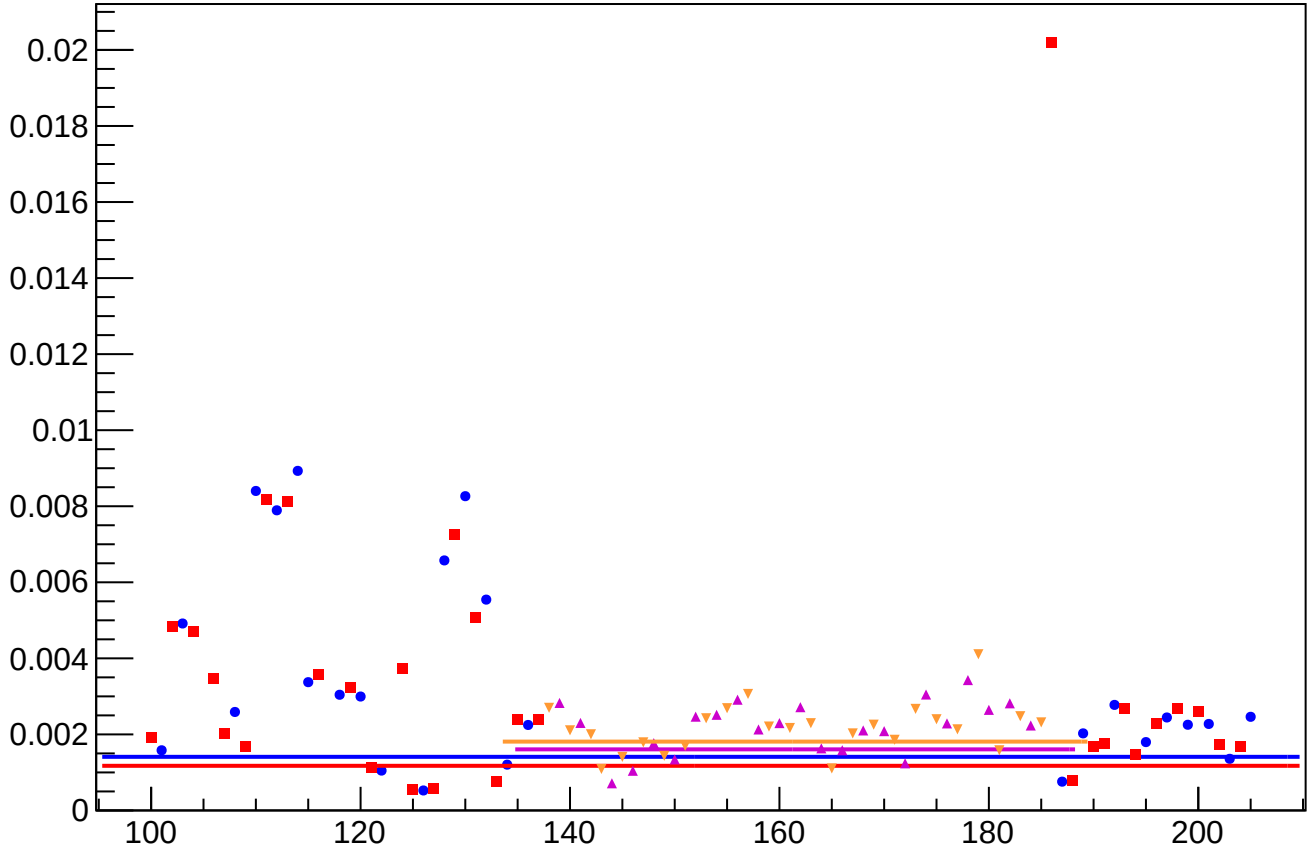
Right: -0.000+/-0.000 χ^2/NDF: 44.0/54

In: -0.000+/-0.000 χ^2/NDF:55.9/47

Out: 0.000+/-0.000 χ^2/NDF:74.0/54

All: -0.000+/-0.000 χ^2/NDF: 130.0/102

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 9122543.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10534688.3/29

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

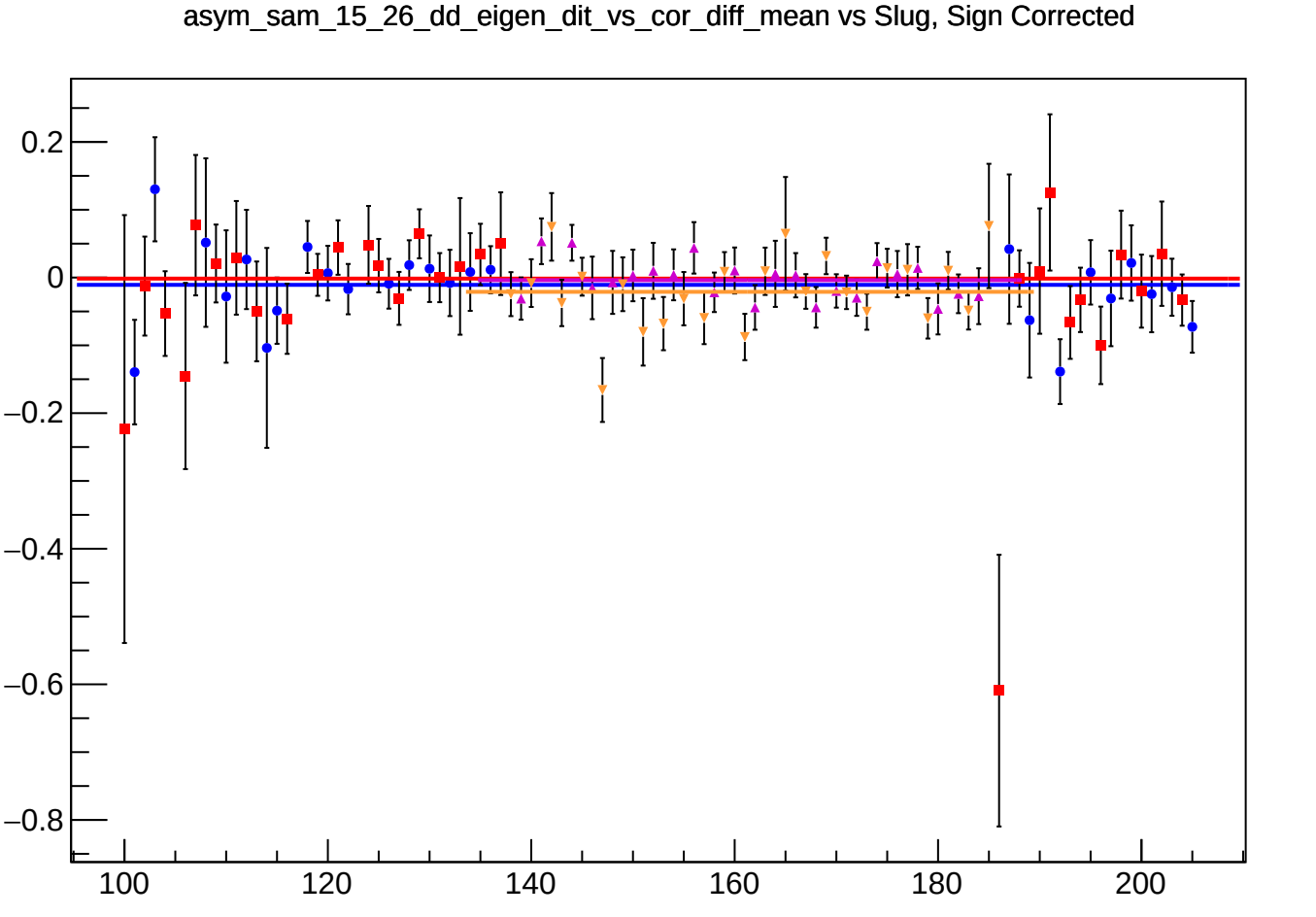
Left: 0.002+/-0.000 χ^2/NDF: 9693636.7/47

Right: 0.001+/-0.000 χ^2/NDF: 19948033.1/54

In: 0.002+/-0.000 χ^2/NDF:15346887.8/47

Out: 0.001+/-0.000 χ^2/NDF:16306283.0/54

All: 0.001+/-0.000 χ^2/NDF: 31686949.9/102



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

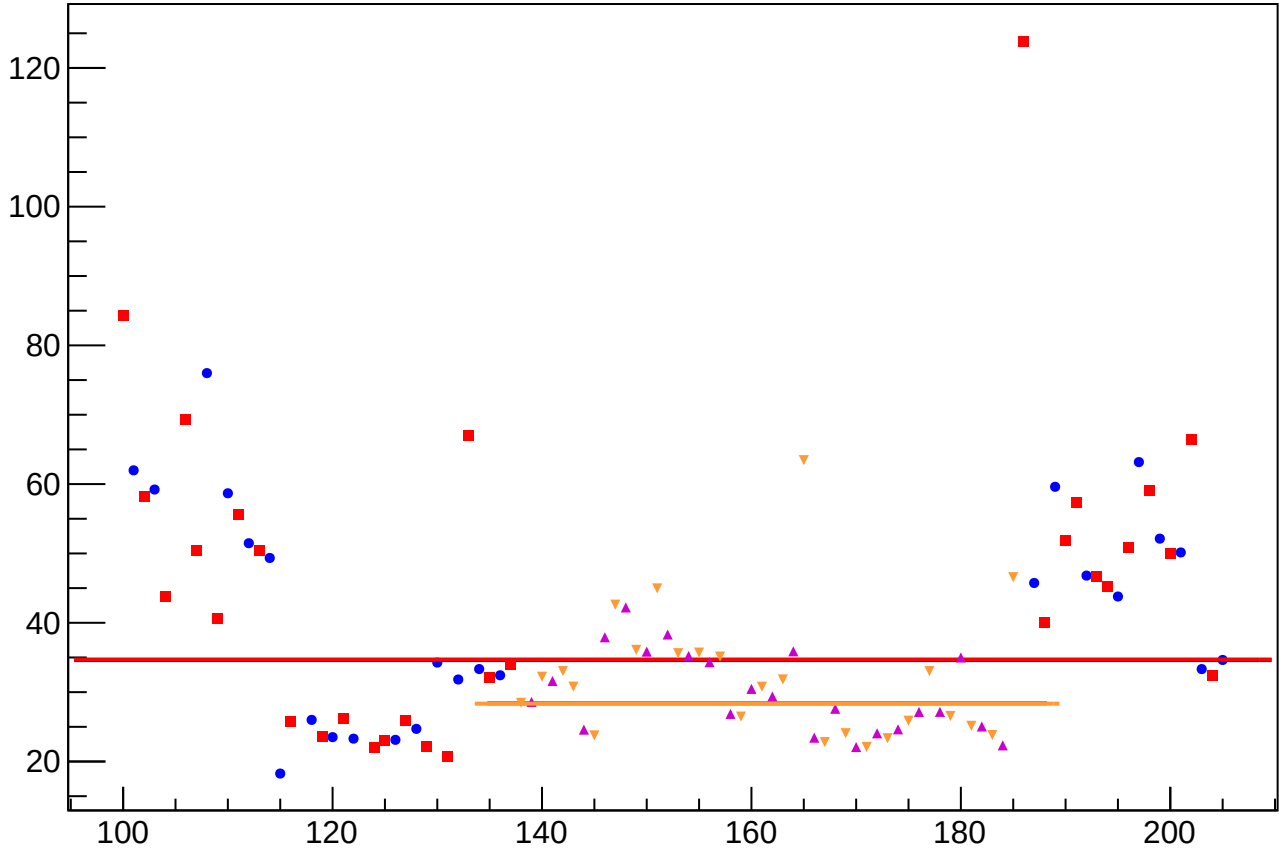
Right: -0.006+/-0.007 χ^2/NDF: 51.8/54

In: -0.006+/-0.006 χ^2/NDF:41.5/47

Out: -0.015+/-0.006 χ^2/NDF:68.8/54

All: -0.011+/-0.004 χ^2/NDF: 111.5/102

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.625+/-0.007 χ^2/NDF: 3029472.5/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.706+/-0.007 χ^2/NDF: 3968648.8/29

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

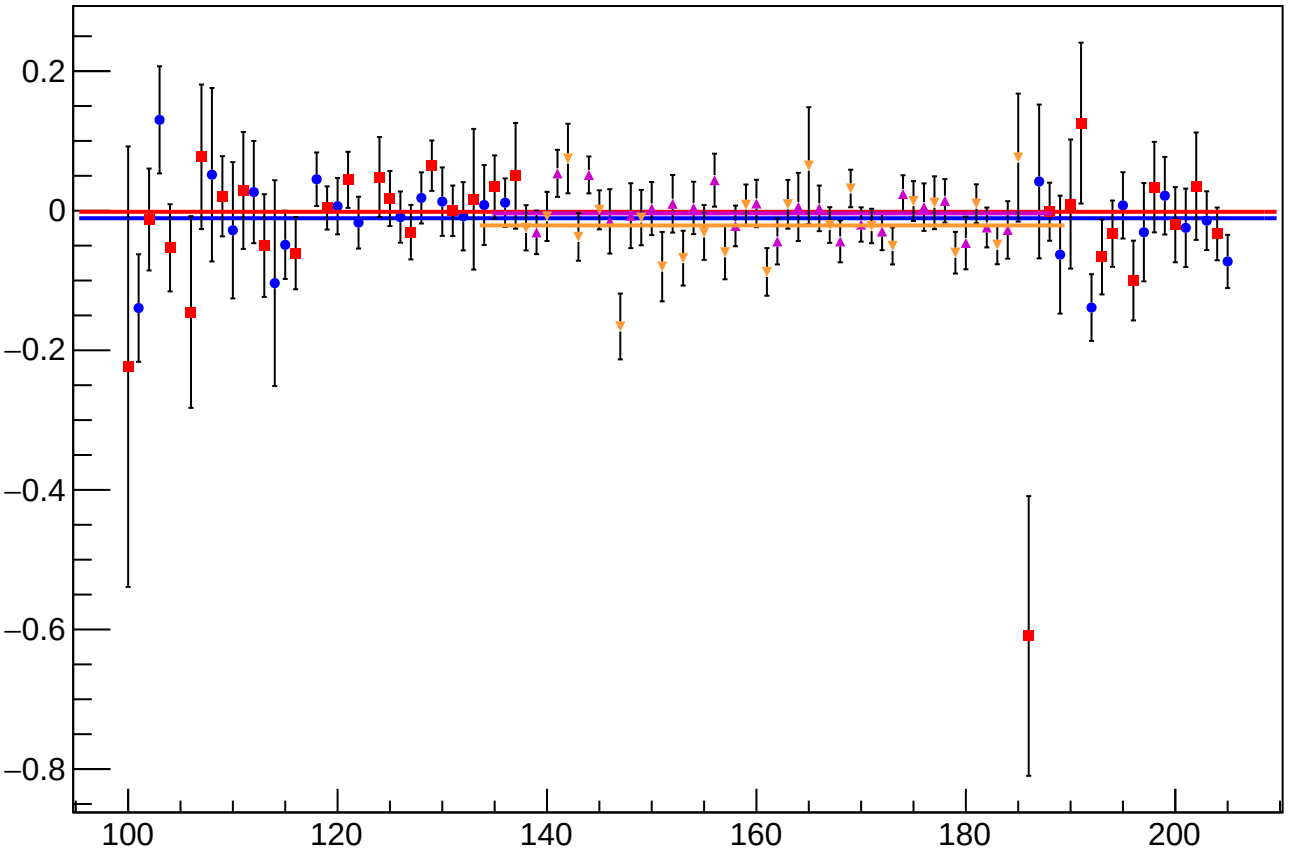
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.667+/-0.005 χ^2/NDF: 6998188.6/54

In: 30.361+/-0.004 χ^2/NDF:4650816.4/47

Out: 30.369+/-0.004 χ^2/NDF:6282340.3/54

All: 30.366+/-0.003 χ^2/NDF: 10933158.8/102



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.002+/-0.010 χ^2/NDF: 28.9/29

Left In: -0.004+/-0.007 χ^2/NDF:18.7/22

Left: -0.013+/-0.005 χ^2/NDF: 59.1/47

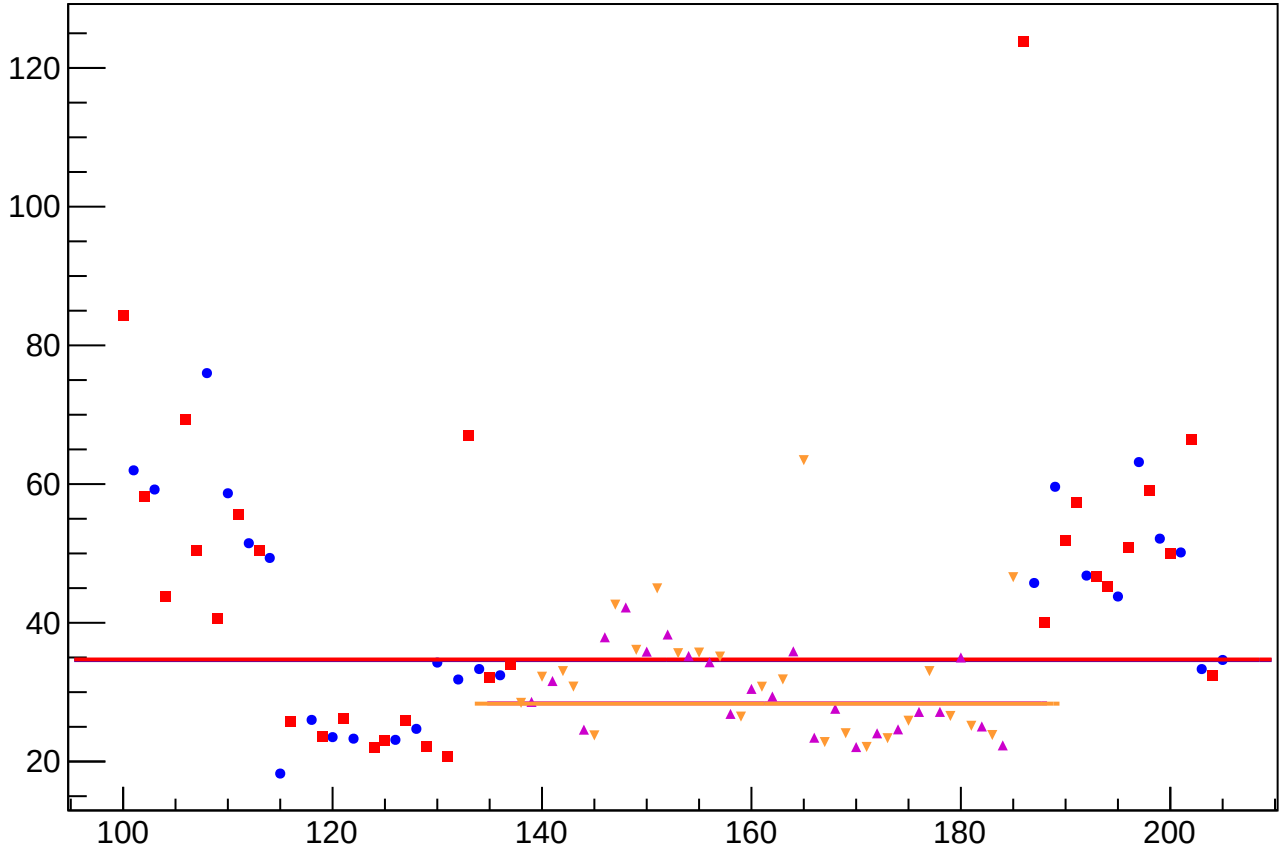
Right: -0.006+/-0.007 χ^2/NDF: 51.8/54

In: -0.006+/-0.006 χ^2/NDF:41.5/47

Out: -0.015+/-0.006 χ^2/NDF:68.8/54

All: -0.011+/-0.004 χ^2/NDF: 111.5/102

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 34.625+/-0.007 χ^2/NDF: 3029472.5/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

Right Out: 34.706+/-0.007 χ^2/NDF: 3968648.8/29

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

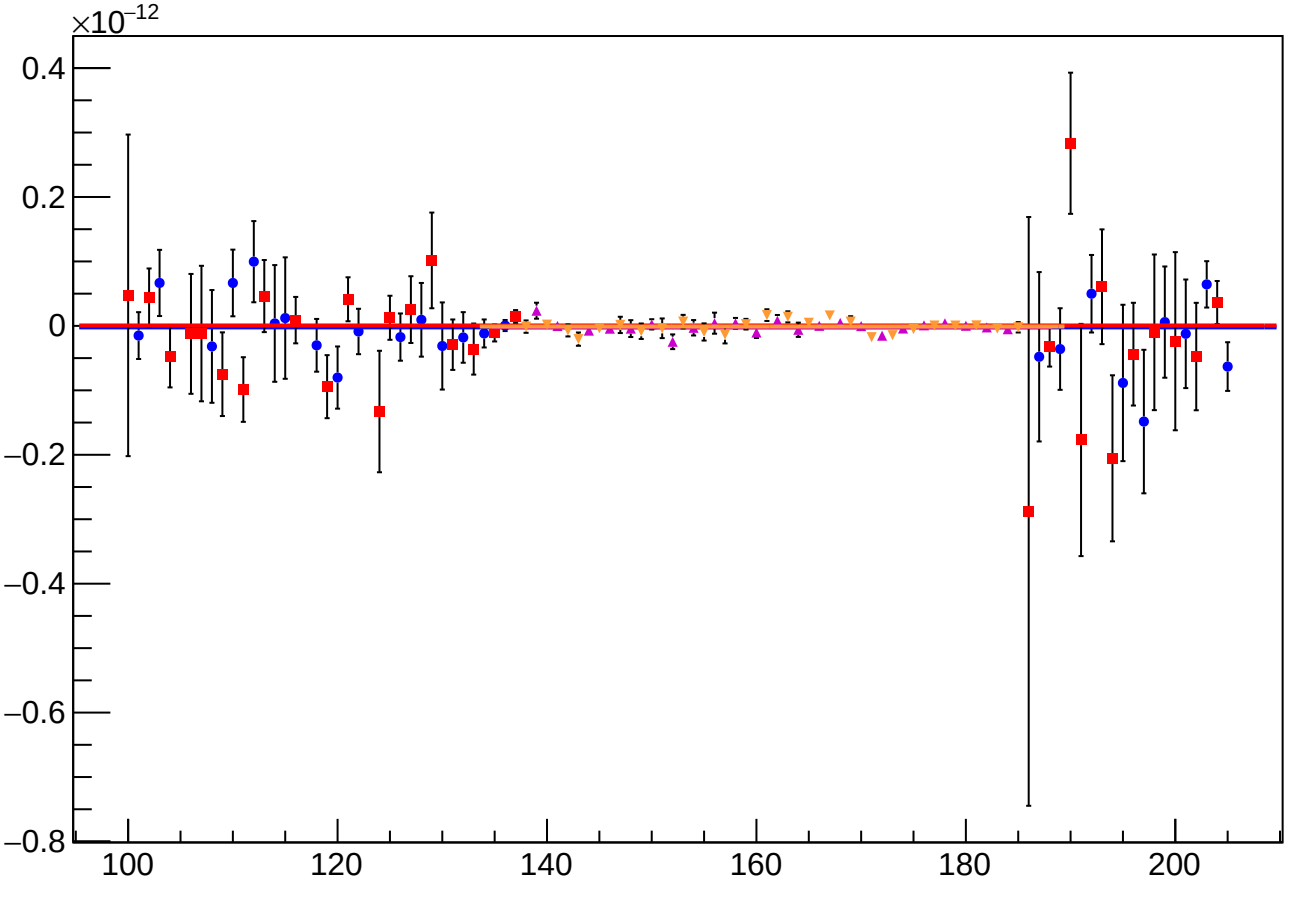
Left: 28.365+/-0.003 χ^2/NDF: 2832487.2/47

Right: 34.667+/-0.005 χ^2/NDF: 6998188.6/54

In: 30.361+/-0.004 χ^2/NDF:4650816.4/47

Out: 30.369+/-0.004 χ^2/NDF:6282340.3/54

All: 30.366+/-0.003 χ^2/NDF: 10933158.8/102



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

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/29

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

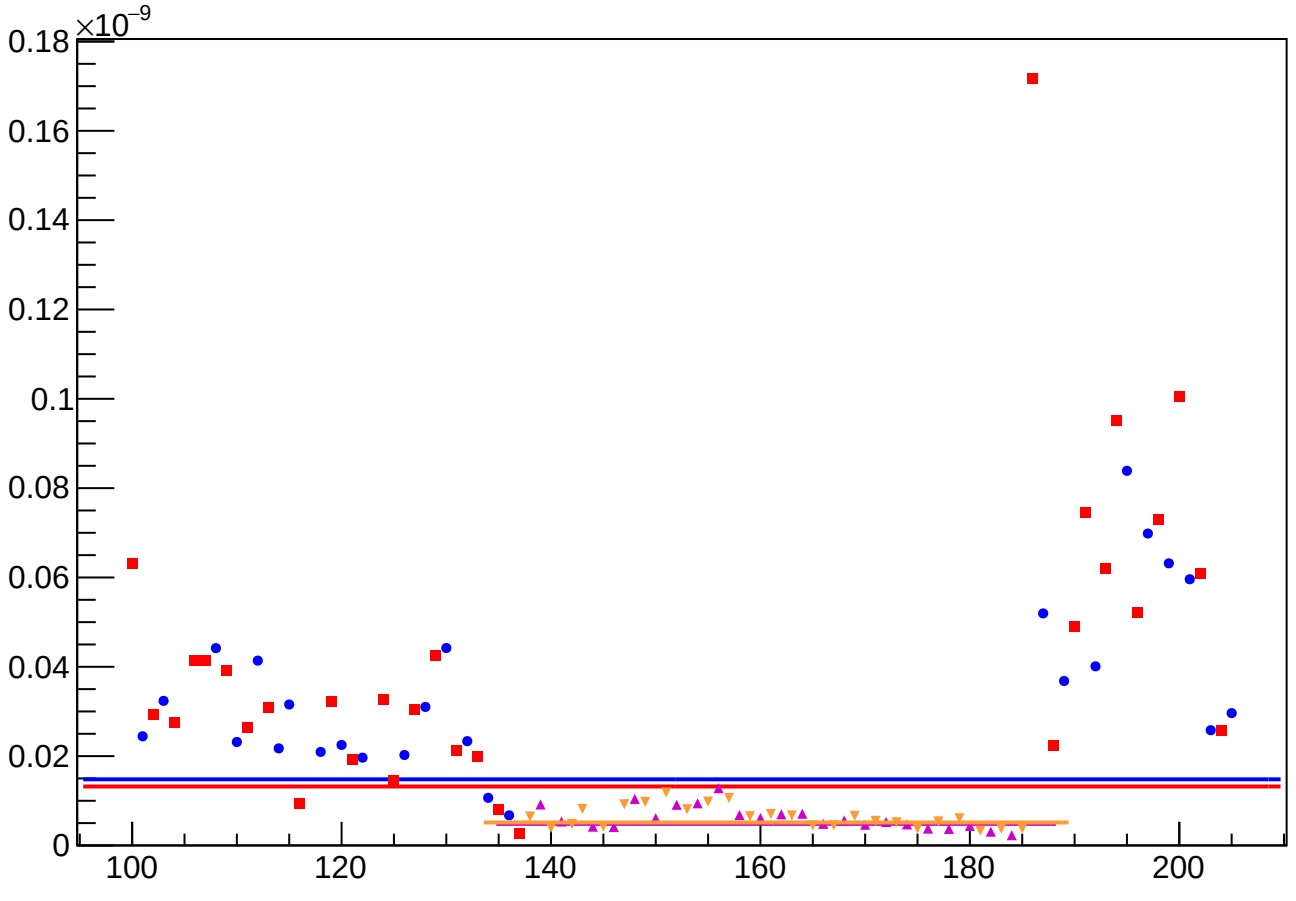
Left: -0.000+/-0.000 χ^2/NDF: 53.8/47

Right: -0.000+/-0.000 χ^2/NDF: 55.3/54

In: -0.000+/-0.000 χ^2/NDF:39.4/47

Out: -0.000+/-0.000 χ^2/NDF:69.5/54

All: -0.000+/-0.000 χ^2/NDF: 109.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 7304887.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10065074.0/29

Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

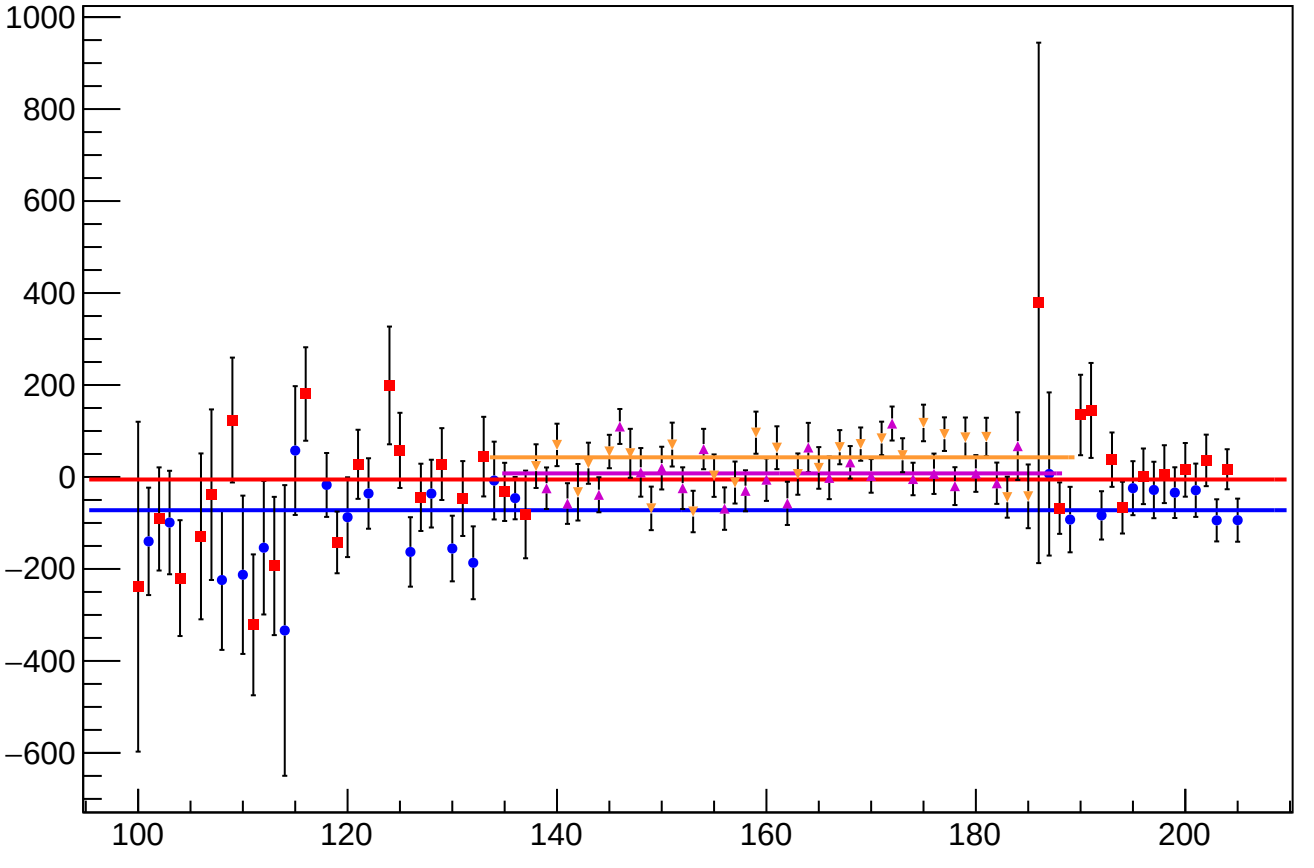
Left: 0.000+/-0.000 χ^2/NDF: 6121355.4/47

Right: 0.000+/-0.000 χ^2/NDF: 17433104.6/54

In: 0.000+/-0.000 χ^2/NDF:14885074.6/47

Out: 0.000+/-0.000 χ^2/NDF:16202334.5/54

All: 0.000+/-0.000 χ^2/NDF: 31117596.0/102



Right In: -72.267+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.464+/-14.332 χ^2/NDF: 33.0/29

Left In: 7.783+/-8.974 χ^2/NDF:30.6/22

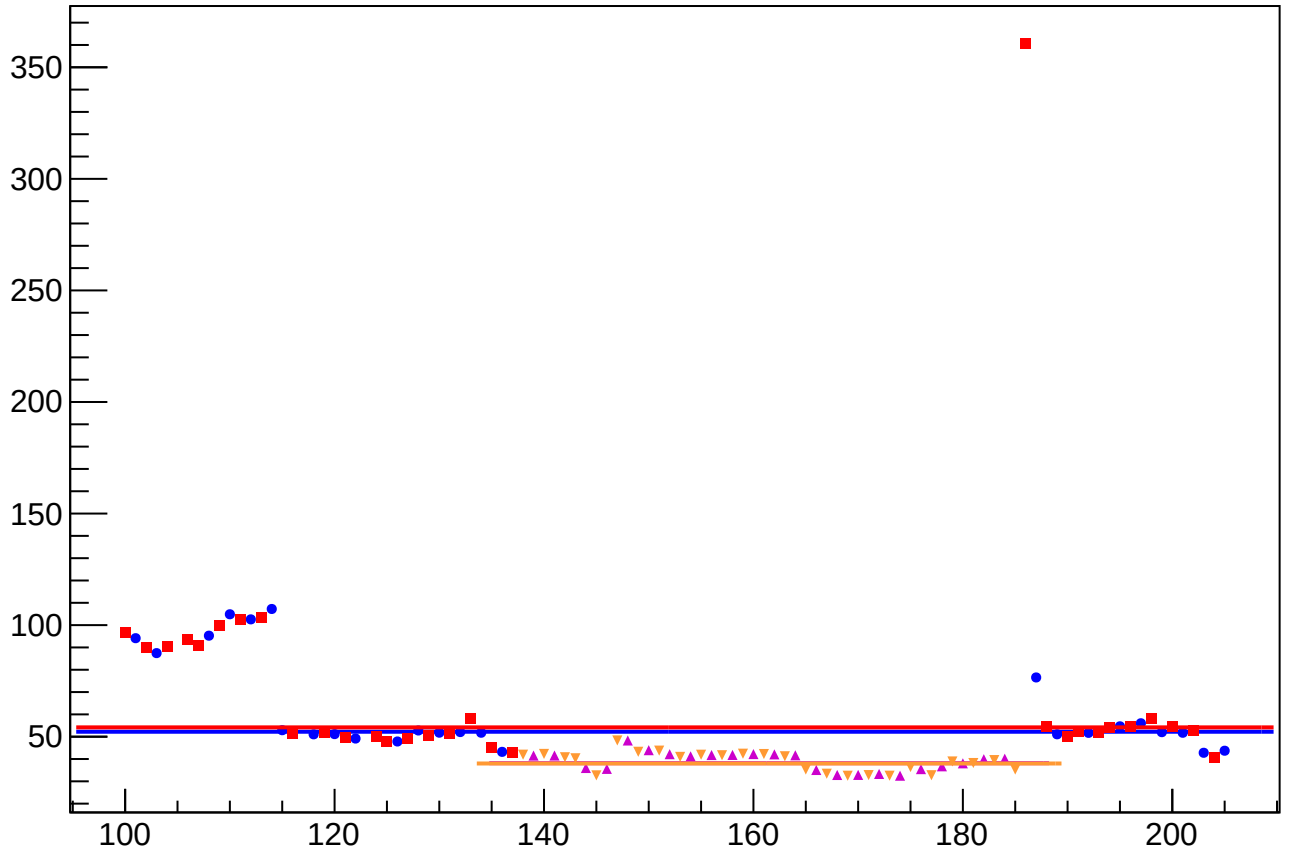
Left: 25.821+/-6.246 χ^2/NDF: 73.2/47

Right: -38.912+/-10.127 χ^2/NDF: 57.7/54

In: -14.809+/-7.603 χ^2/NDF:66.9/47

Out: 29.782+/-7.436 χ^2/NDF:76.0/54

All: 7.983+/-5.316 χ^2/NDF: 160.4/102



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.5/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 54.179+/-0.010 χ^2/NDF: 2129808.7/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

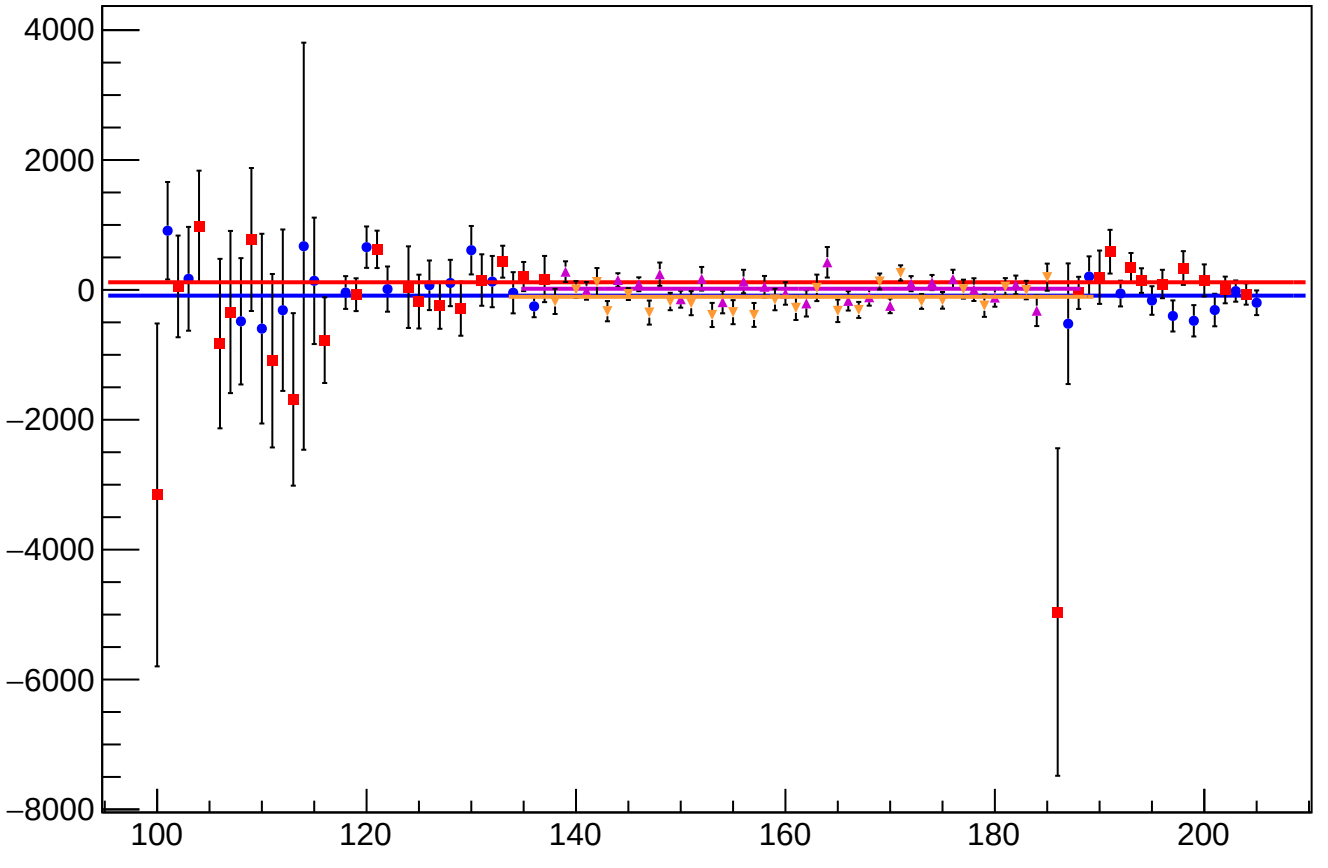
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 53.198+/-0.007 χ^2/NDF: 3539785.6/54

In: 42.109+/-0.005 χ^2/NDF:3210427.4/47

Out: 42.348+/-0.005 χ^2/NDF:4508344.1/54

All: 42.231+/-0.004 χ^2/NDF: 7719782.4/102



Right In: -88.660+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: 117.296+/-57.717 χ^2/NDF: 25.8/29

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.786+/-21.121 χ^2/NDF: 74.5/47

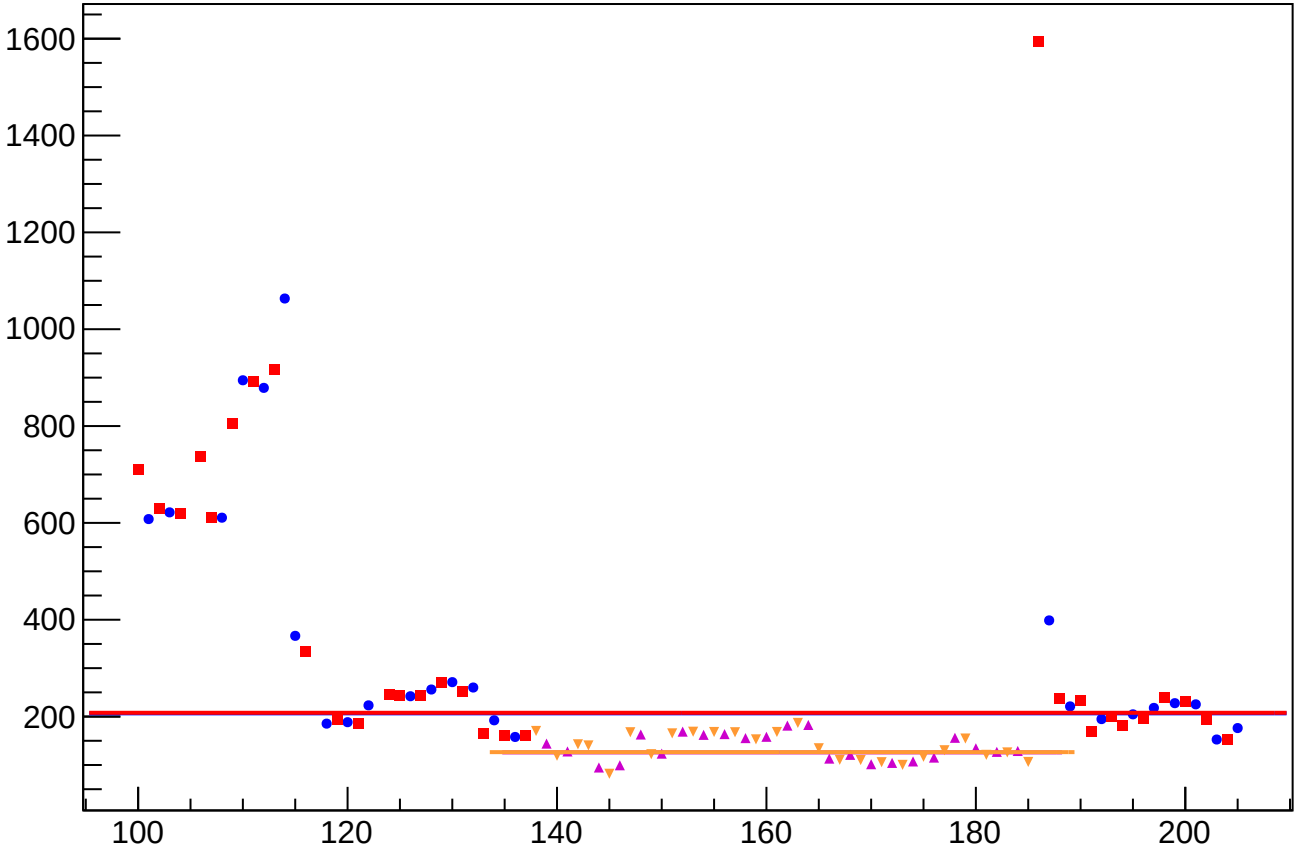
Right: 16.519+/-41.246 χ^2/NDF: 52.0/54

In: -4.531+/-26.869 χ^2/NDF:50.8/47

Out: -59.992+/-26.312 χ^2/NDF:75.3/54

All: -32.842+/-18.799 χ^2/NDF: 128.3/102

asym_sam_37_26_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 206.657+/-0.042 χ^2/NDF: 3434441.1/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 207.827+/-0.041 χ^2/NDF: 4717219.7/29

Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

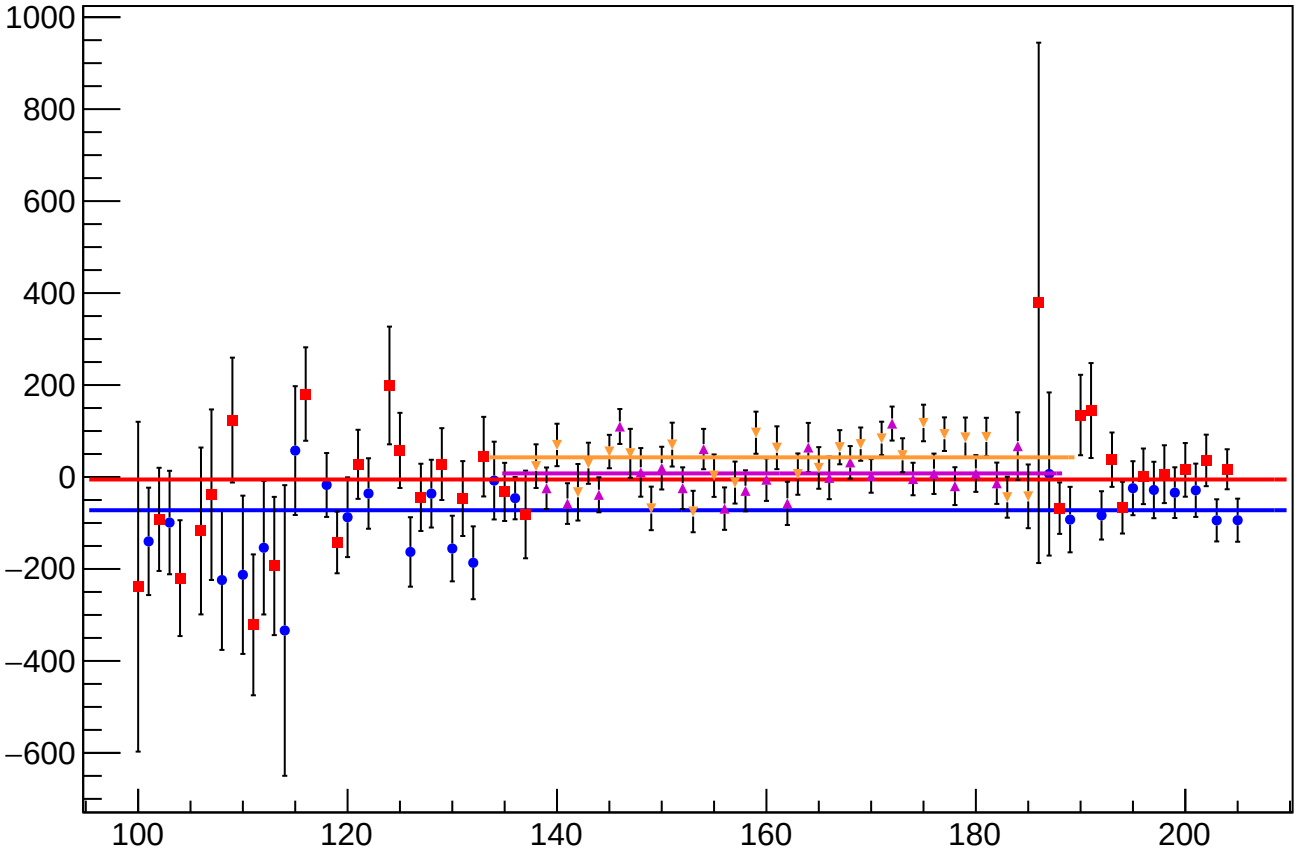
Left: 126.293+/-0.015 χ^2/NDF: 3169149.7/47

Right: 207.254+/-0.029 χ^2/NDF: 8152063.0/54

In: 142.759+/-0.019 χ^2/NDF:7809321.7/47

Out: 143.451+/-0.019 χ^2/NDF:9616311.3/54

All: 143.112+/-0.013 χ^2/NDF: 17426309.3/10



Right In: -72.265+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.397+/-14.332 χ^2/NDF: 32.9/29

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

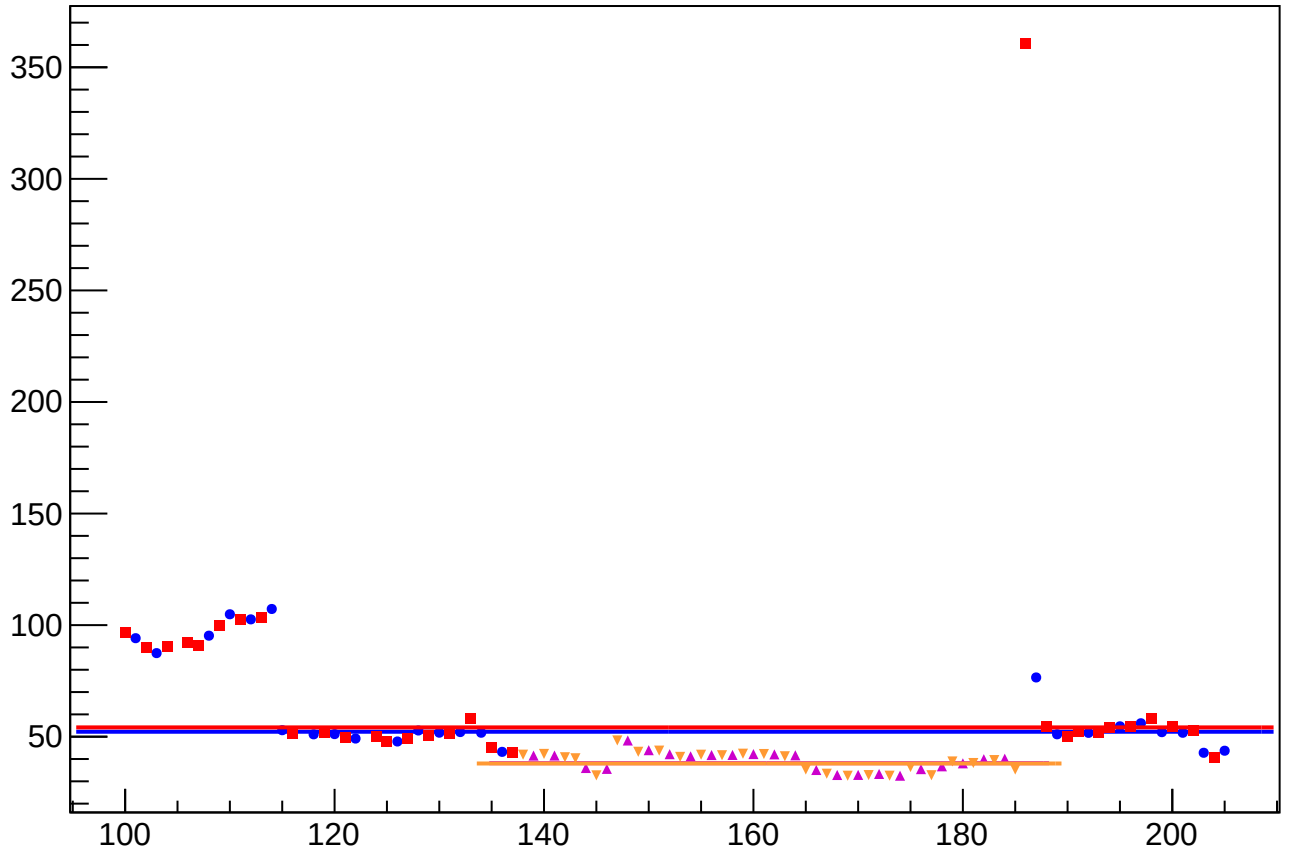
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -38.878+/-10.127 χ^2/NDF: 57.6/54

In: -14.807+/-7.603 χ^2/NDF:66.9/47

Out: 29.803+/-7.436 χ^2/NDF:75.9/54

All: 7.994+/-5.316 χ^2/NDF: 160.3/102



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.8/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 54.166+/-0.010 χ^2/NDF: 2121604.1/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

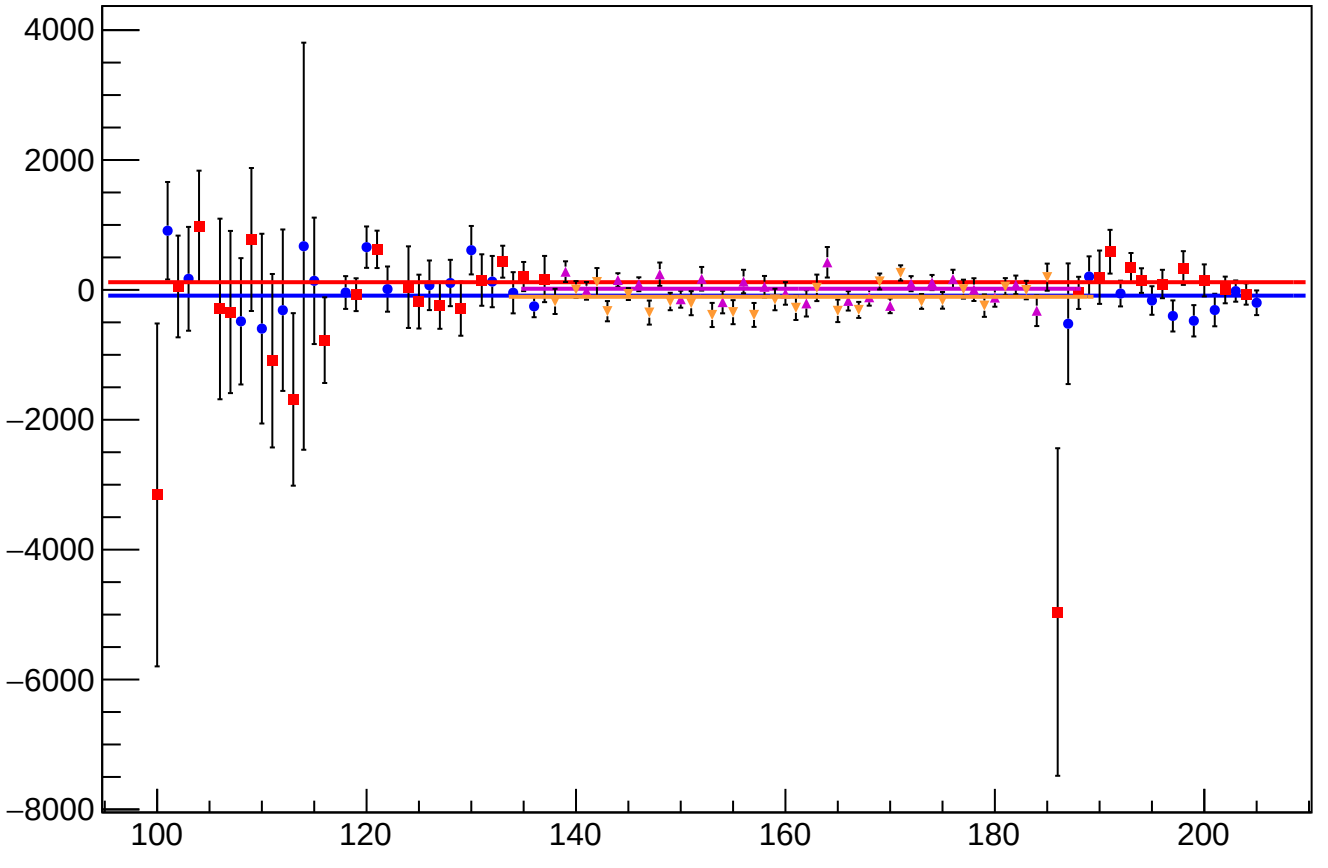
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 53.192+/-0.007 χ^2/NDF: 3531343.6/54

In: 42.109+/-0.005 χ^2/NDF:3210427.6/47

Out: 42.344+/-0.005 χ^2/NDF:4497162.0/54

All: 42.229+/-0.004 χ^2/NDF: 7708570.2/102



Right In: -88.658+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 118.421+/-57.724 χ^2/NDF: 25.3/29

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

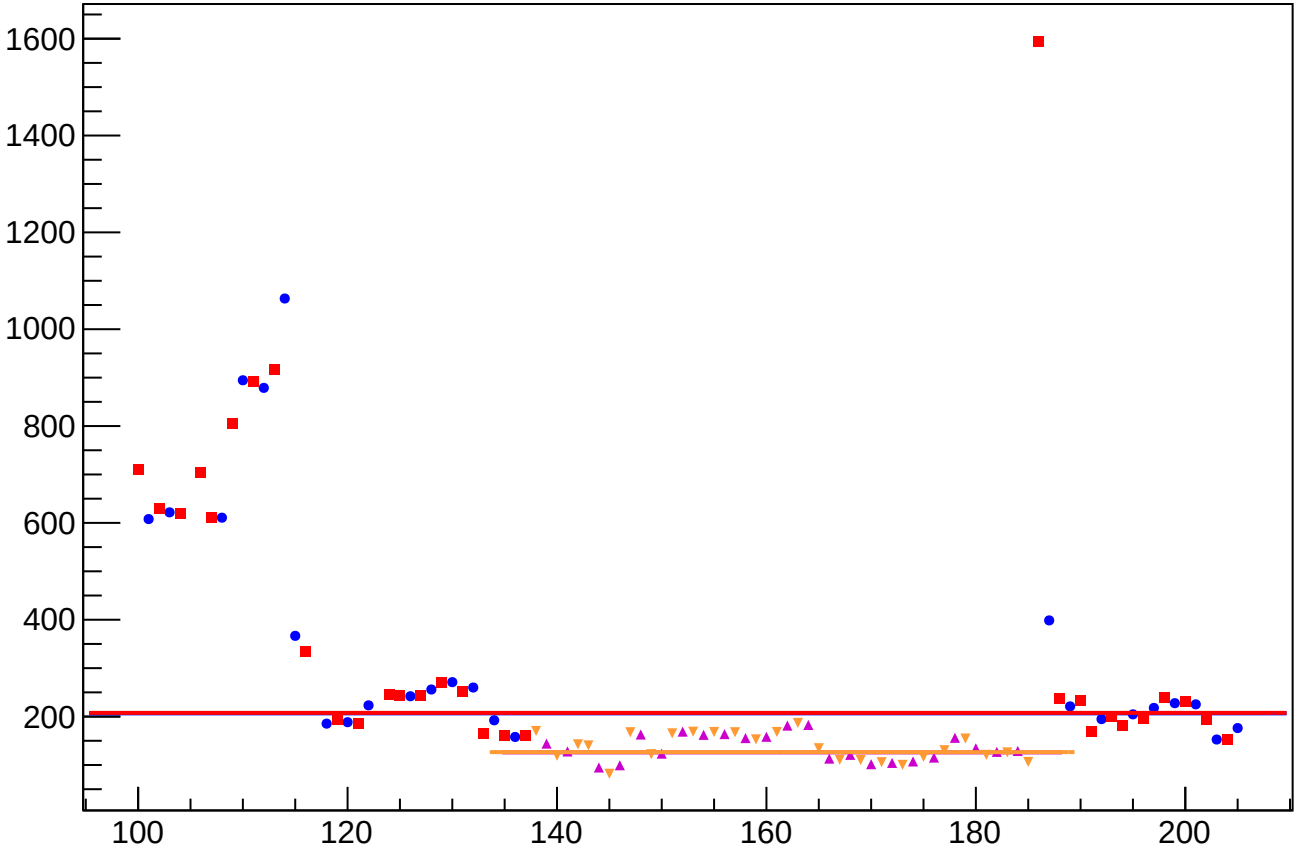
Right: 17.082+/-41.248 χ^2/NDF: 51.6/54

In: -4.530+/-26.869 χ^2/NDF:50.8/47

Out: -59.767+/-26.313 χ^2/NDF:75.0/54

All: -32.726+/-18.800 χ^2/NDF: 128.0/102

asym_sam_37_26_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 206.657+/-0.042 χ^2/NDF: 3434449.6/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 207.648+/-0.041 χ^2/NDF: 4644412.7/29

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

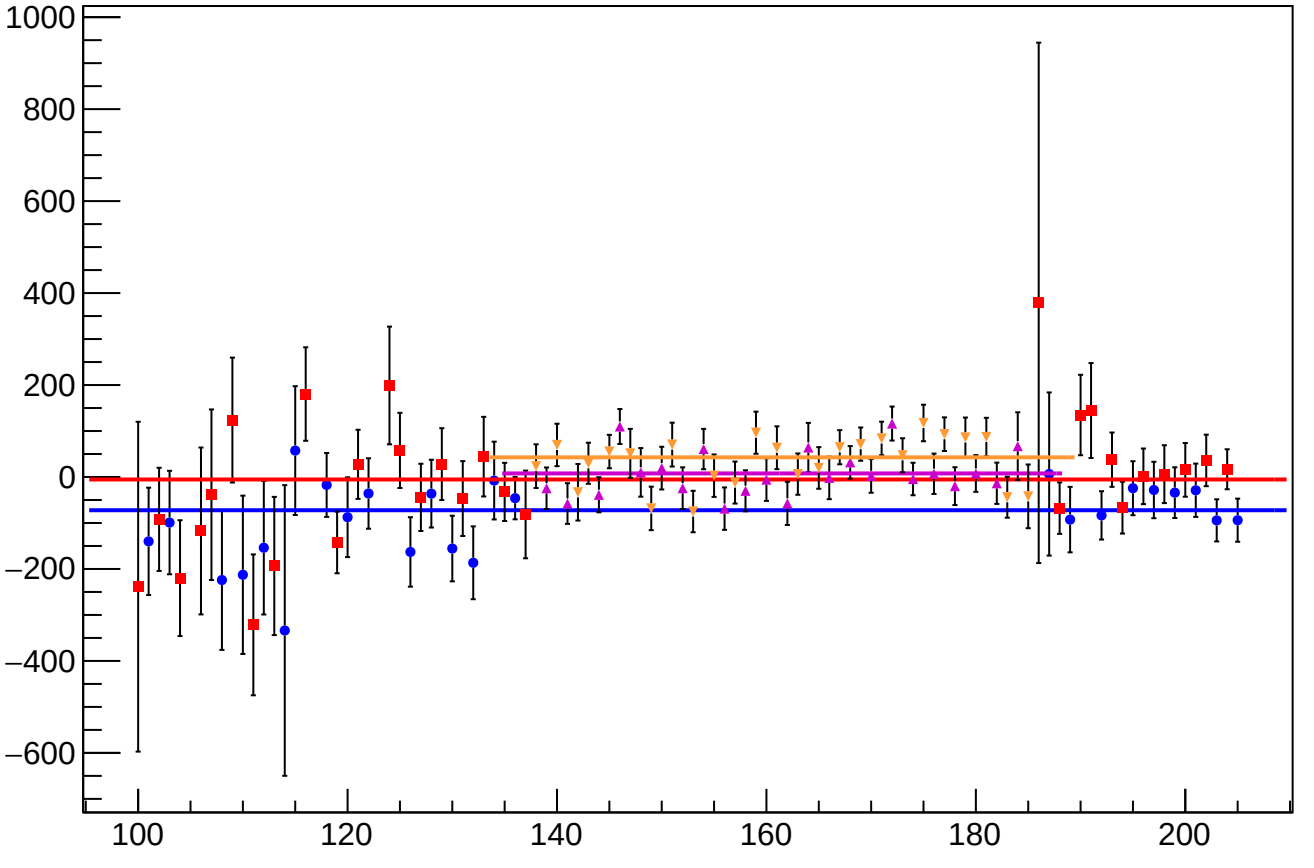
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.163+/-0.029 χ^2/NDF: 8079151.0/54

In: 142.759+/-0.019 χ^2/NDF:7809342.6/47

Out: 143.410+/-0.019 χ^2/NDF:9529109.4/54

All: 143.092+/-0.013 χ^2/NDF: 17339051.9/10



Right In: -72.265+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: -5.397+/-14.332 χ^2/NDF: 32.9/29

Left In: 7.785+/-8.974 χ^2/NDF:30.6/22

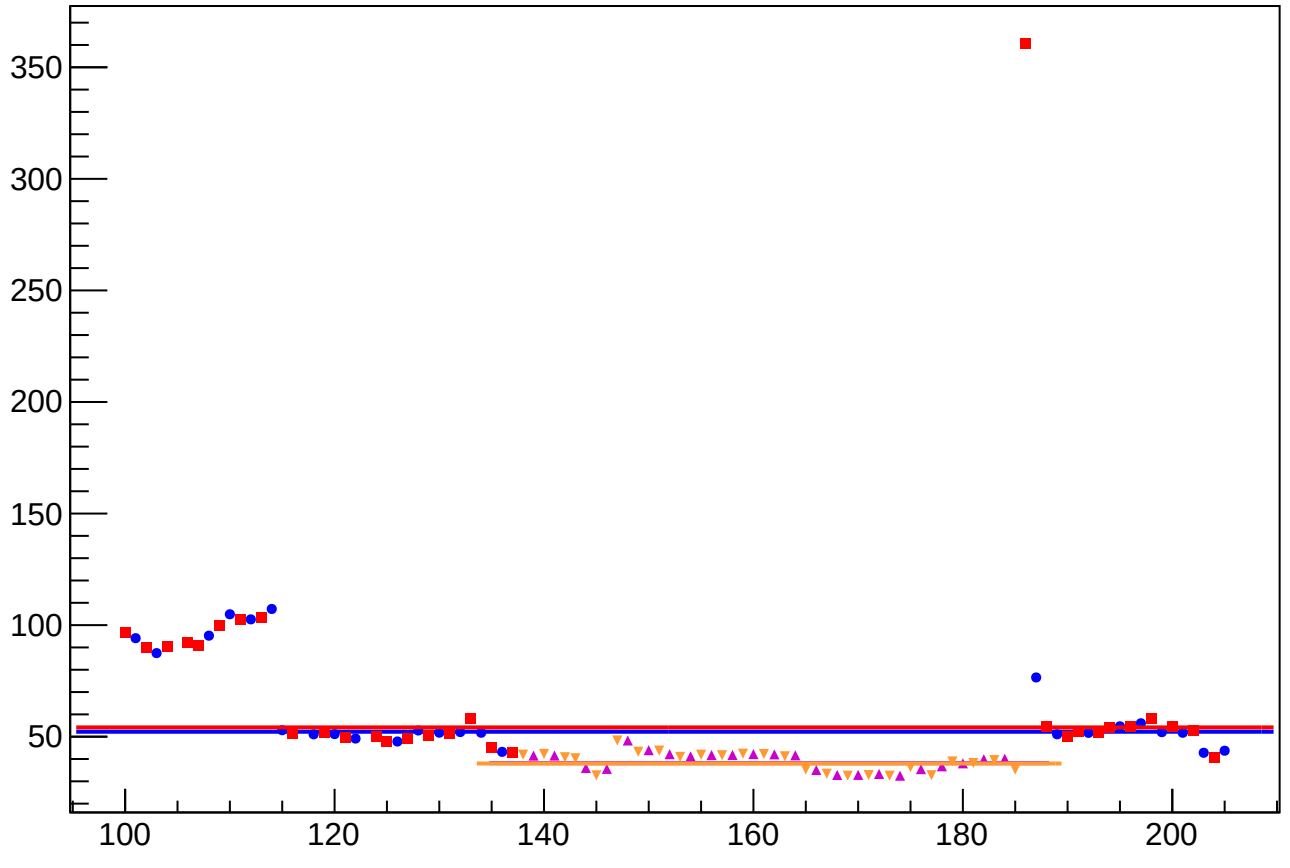
Left: 25.822+/-6.246 χ^2/NDF: 73.2/47

Right: -38.878+/-10.127 χ^2/NDF: 57.6/54

In: -14.807+/-7.603 χ^2/NDF:66.9/47

Out: 29.803+/-7.436 χ^2/NDF:75.9/54

All: 7.994+/-5.316 χ^2/NDF: 160.3/102



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.8/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 54.166+/-0.010 χ^2/NDF: 2121604.1/29

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

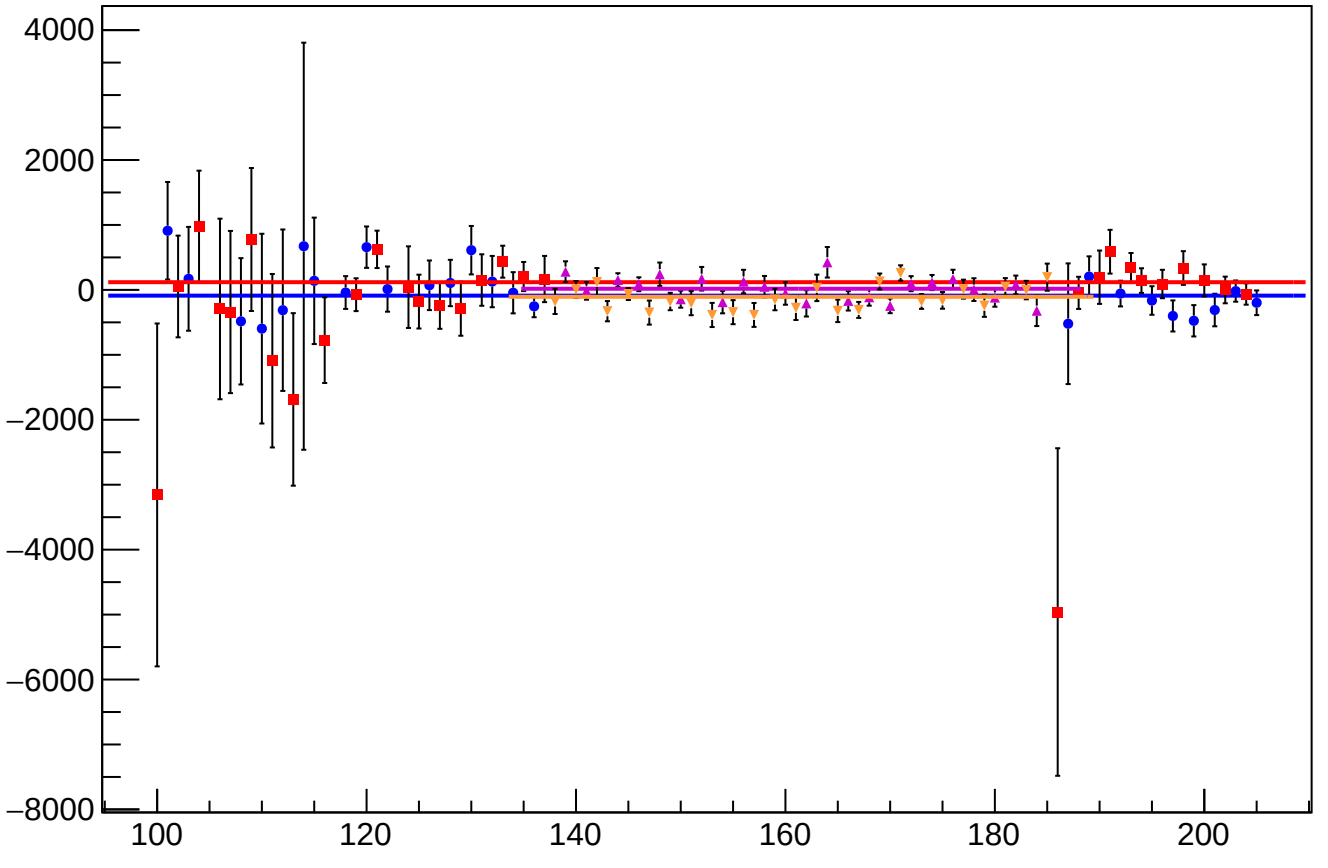
Left: 38.059+/-0.004 χ^2/NDF: 942176.9/47

Right: 53.192+/-0.007 χ^2/NDF: 3531343.6/54

In: 42.109+/-0.005 χ^2/NDF:3210427.6/47

Out: 42.344+/-0.005 χ^2/NDF:4497162.0/54

All: 42.229+/-0.004 χ^2/NDF: 7708570.2/102



Right In: -88.658+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: 118.421+/-57.724 χ^2/NDF: 25.3/29

Left In: 17.517+/-30.185 χ^2/NDF:28.2/22

Left: -45.785+/-21.121 χ^2/NDF: 74.5/47

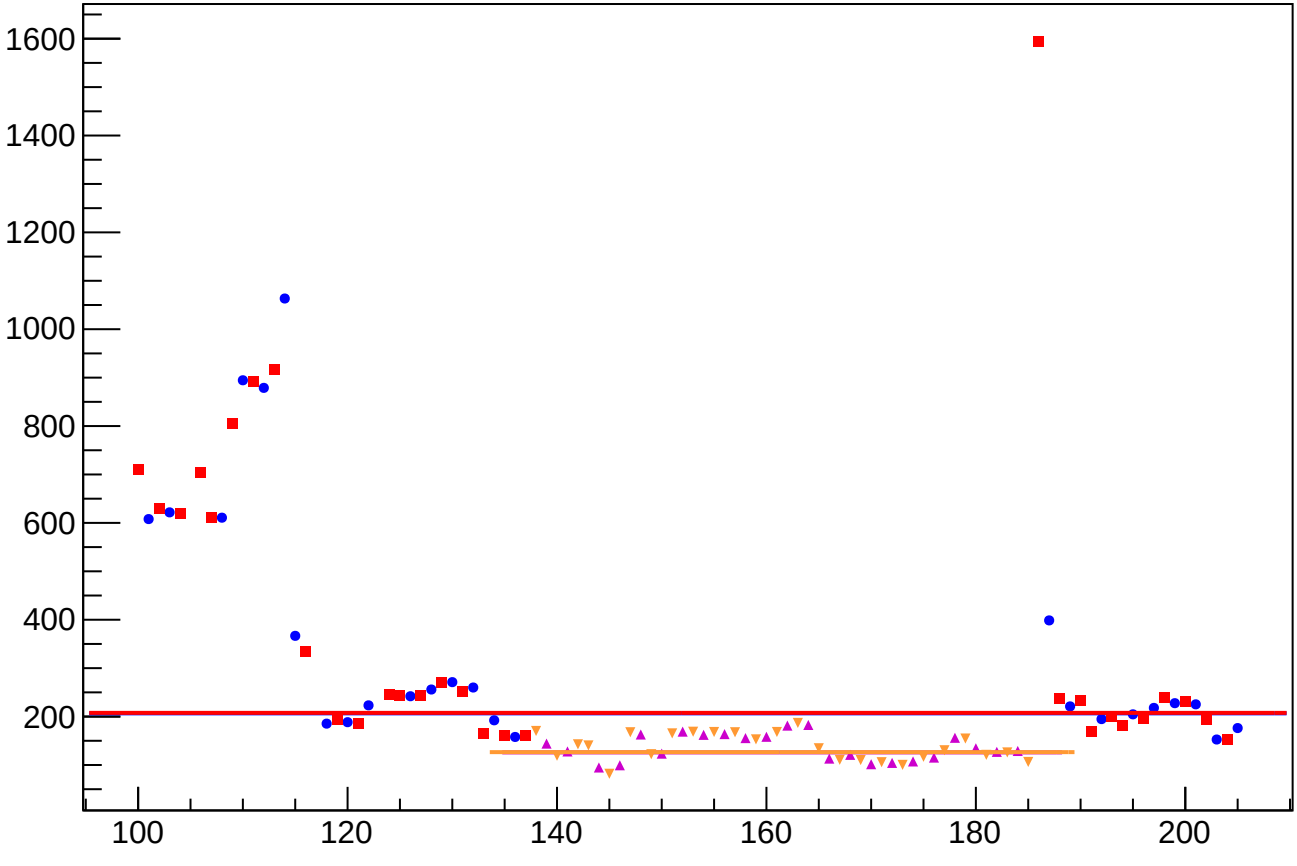
Right: 17.082+/-41.248 χ^2/NDF: 51.6/54

In: -4.530+/-26.869 χ^2/NDF:50.8/47

Out: -59.767+/-26.313 χ^2/NDF:75.0/54

All: -32.726+/-18.800 χ^2/NDF: 128.0/102

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 206.657+/-0.042 χ^2/NDF: 3434449.6/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 207.648+/-0.041 χ^2/NDF: 4644412.7/29

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

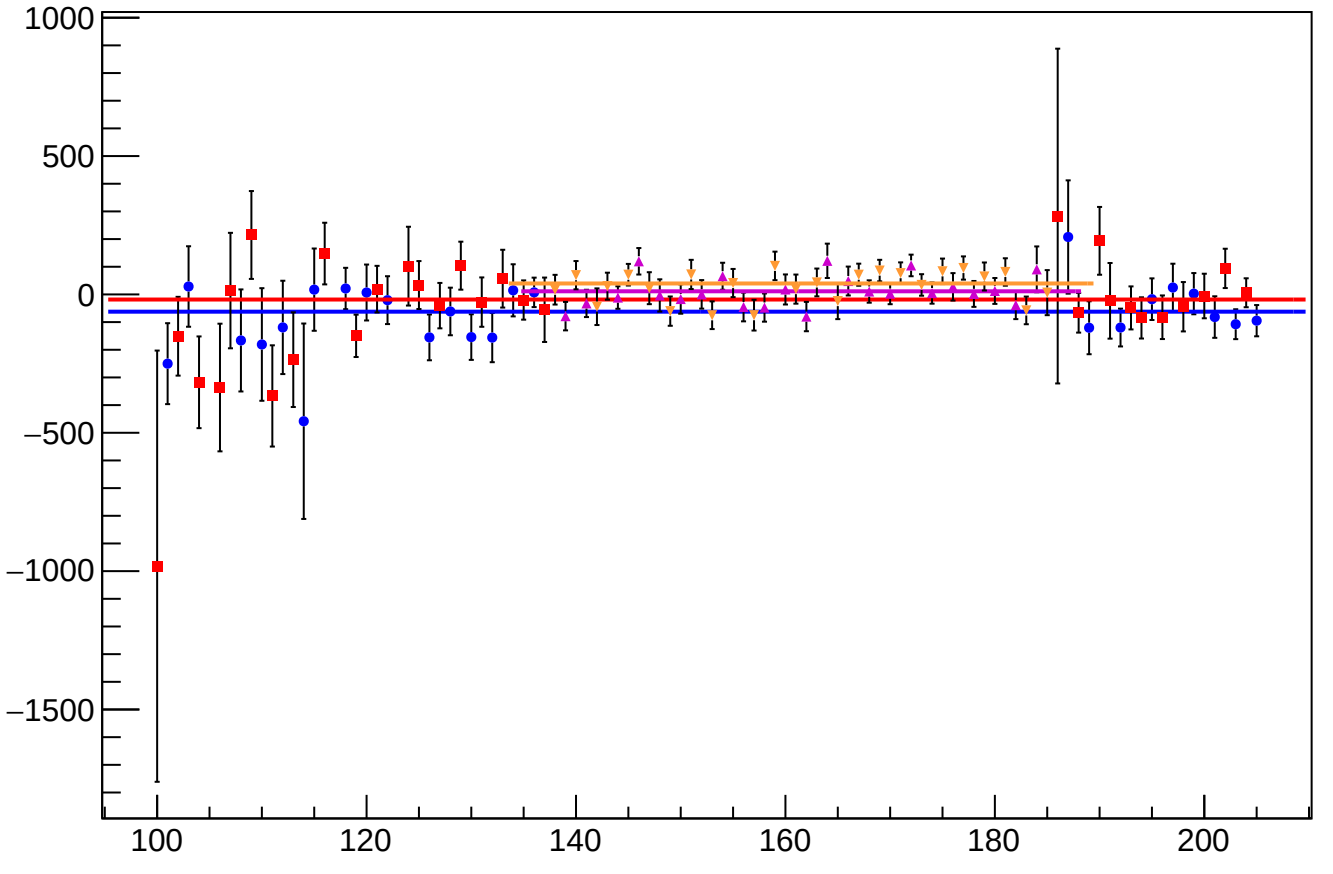
Left: 126.293+/-0.015 χ^2/NDF: 3169151.8/47

Right: 207.163+/-0.029 χ^2/NDF: 8079151.0/54

In: 142.759+/-0.019 χ^2/NDF:7809342.6/47

Out: 143.410+/-0.019 χ^2/NDF:9529109.4/54

All: 143.092+/-0.013 χ^2/NDF: 17339051.9/10



Right In: -62.348+/-17.300 χ^2/NDF: 18.4/24

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: -18.441+/-17.548 χ^2/NDF: 32.3/29

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

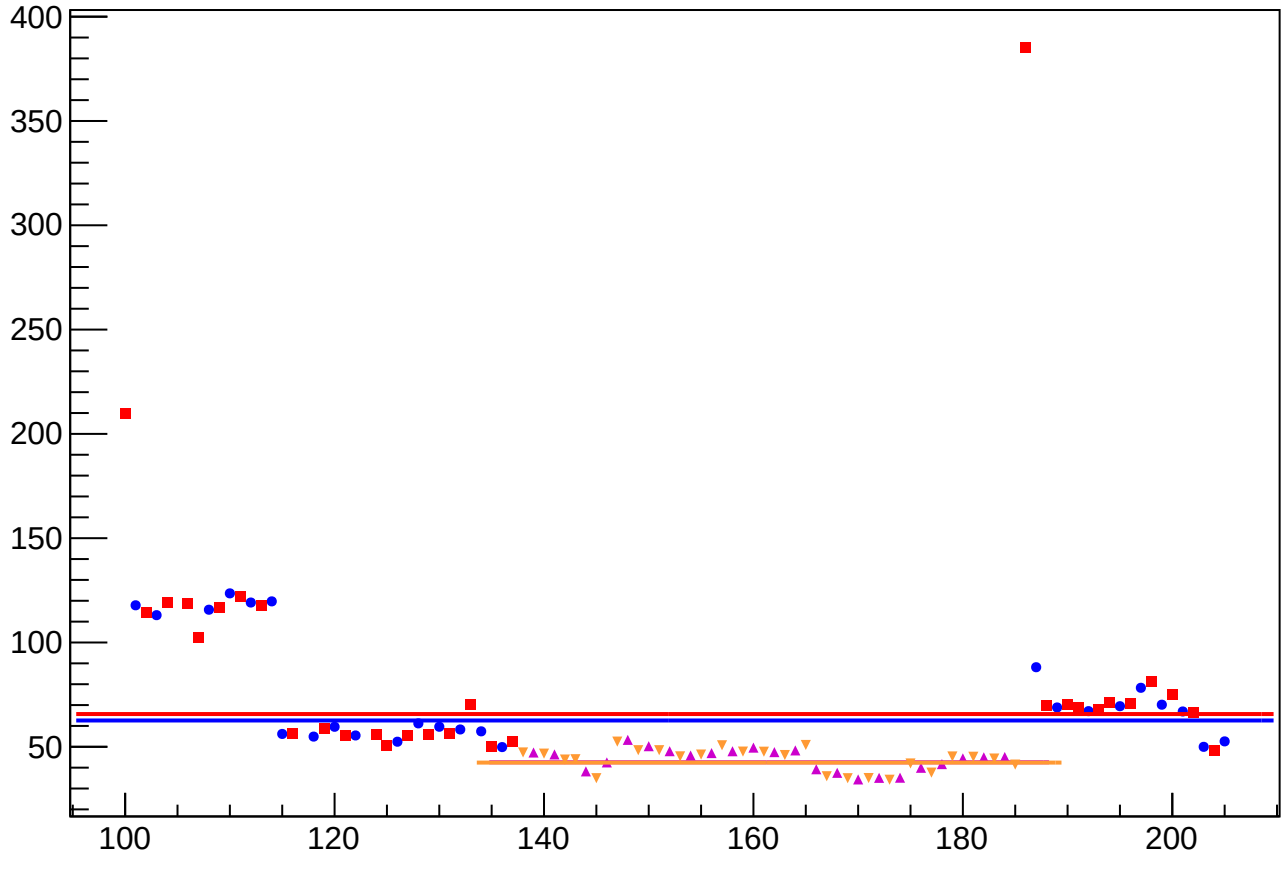
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -40.706+/-12.320 χ^2/NDF: 53.8/54

In: -7.353+/-8.708 χ^2/NDF:59.8/47

Out: 25.891+/-8.520 χ^2/NDF:70.2/54

All: 9.632+/-6.090 χ^2/NDF: 137.5/102



Right In: 62.614+/-0.012 χ^2/NDF: 1679047.7/24

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.698+/-0.012 χ^2/NDF: 2492393.4/29

Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

Left: 42.500+/-0.005 χ^2/NDF: 1288900.7/47

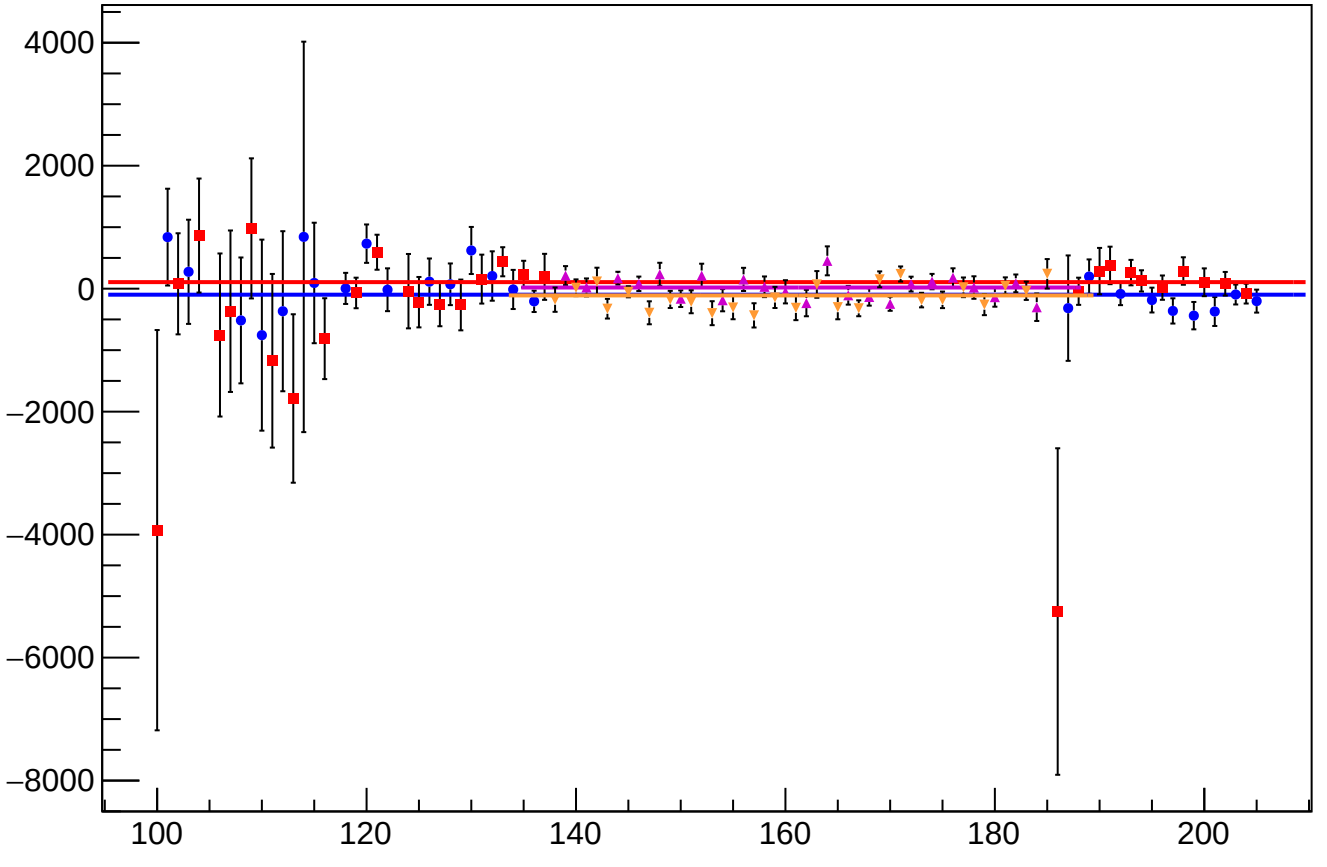
Right: 64.134+/-0.009 χ^2/NDF: 4202774.5/54

In: 47.654+/-0.006 χ^2/NDF:4271731.7/47

Out: 47.912+/-0.006 χ^2/NDF:5879775.0/54

All: 47.786+/-0.004 χ^2/NDF: 10152400.4/102

asym_sam_37_26_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: -97.848+/-56.840 χ^2/NDF: 21.6/24

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 106.519+/-54.413 χ^2/NDF: 24.7/29

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

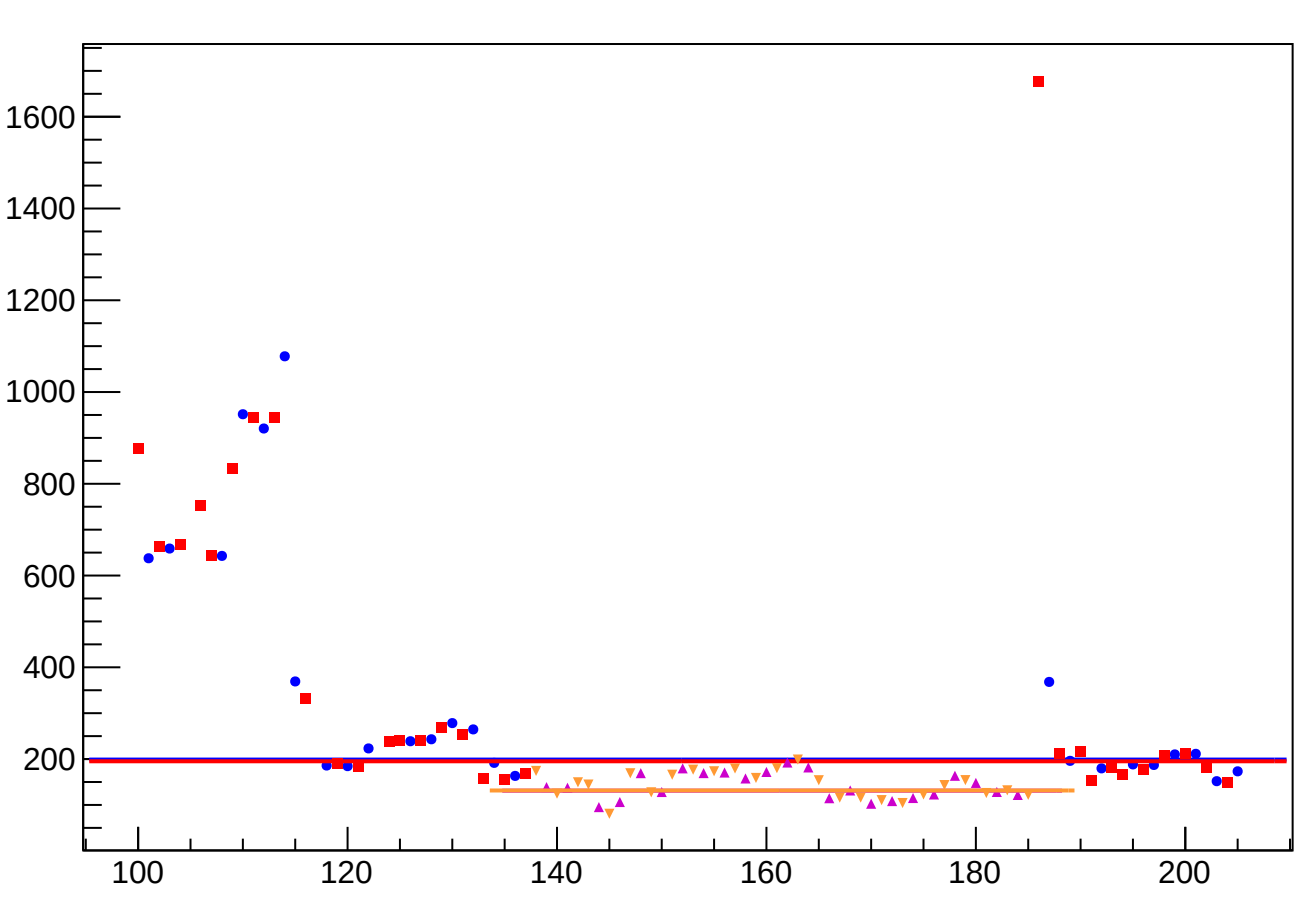
Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

Right: 8.792+/-39.306 χ^2/NDF: 53.0/54

In: -8.547+/-27.536 χ^2/NDF:52.0/47

Out: -57.468+/-26.777 χ^2/NDF:73.0/54

All: -33.692+/-19.197 χ^2/NDF: 126.6/102



Right In: 198.892+/-0.040 χ^2/NDF: 3515540.6/24

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 195.163+/-0.038 χ^2/NDF: 4961875.1/29

Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

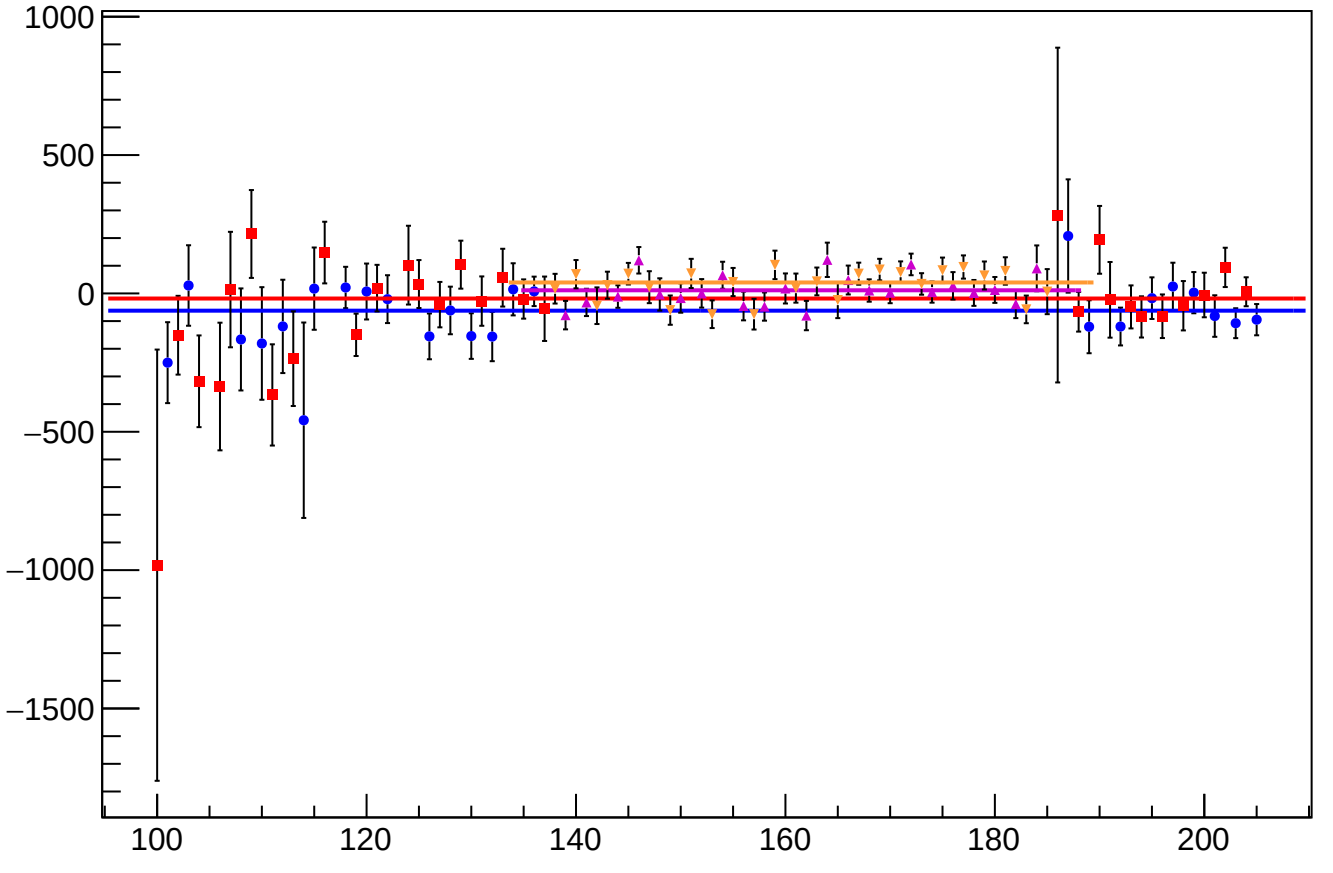
Left: 131.300+/-0.016 χ^2/NDF: 3370966.4/47

Right: 196.946+/-0.028 χ^2/NDF: 8481907.5/54

In: 146.990+/-0.019 χ^2/NDF:7162281.5/47

Out: 146.928+/-0.019 χ^2/NDF:8938630.4/54

All: 146.958+/-0.014 χ^2/NDF: 16100917.1/10



Right In: -62.348+/-17.300 χ^2/NDF: 18.4/24

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: -18.441+/-17.548 χ^2/NDF: 32.3/29

Left In: 11.306+/-10.077 χ^2/NDF:27.9/22

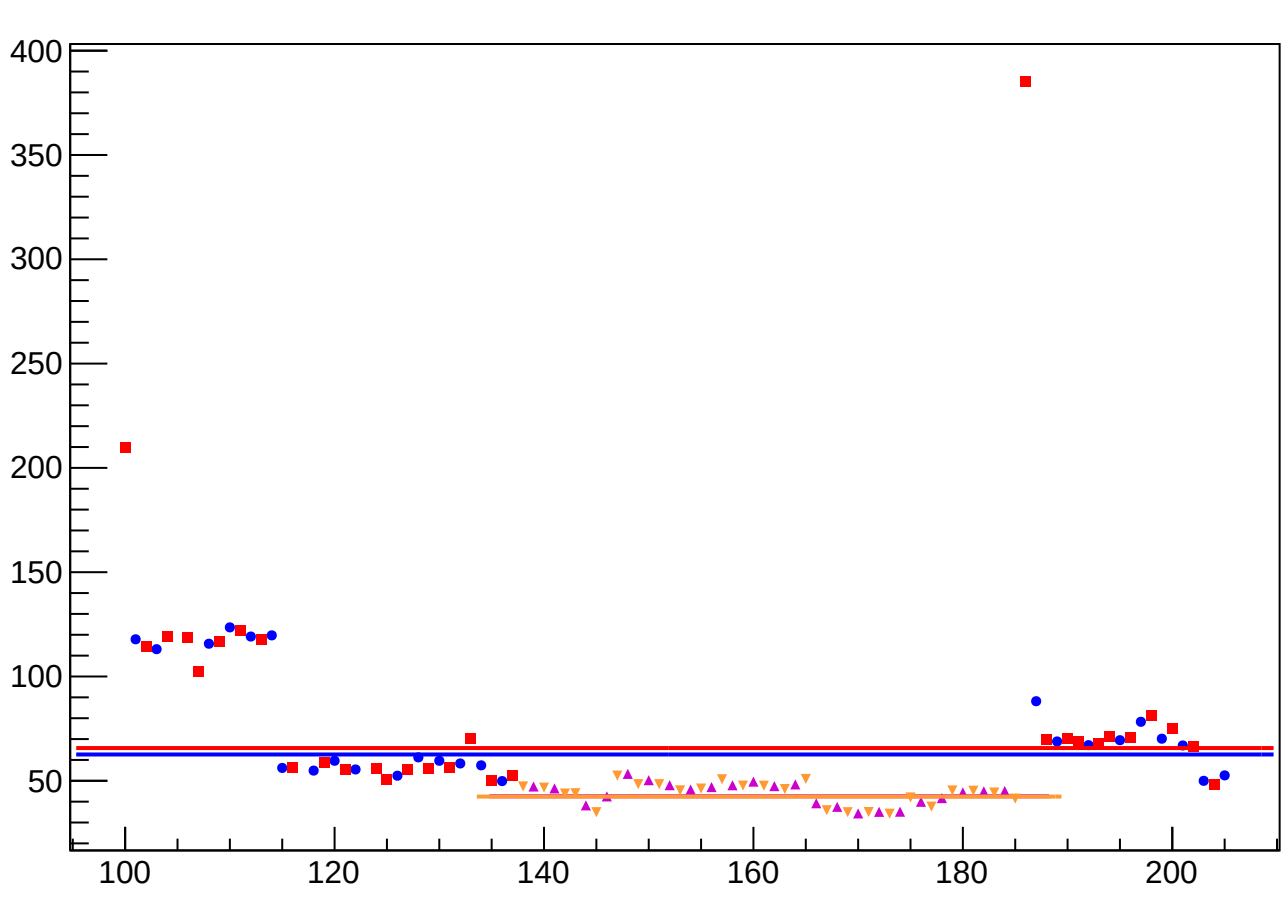
Left: 25.908+/-7.005 χ^2/NDF: 61.6/47

Right: -40.706+/-12.320 χ^2/NDF: 53.8/54

In: -7.353+/-8.708 χ^2/NDF:59.8/47

Out: 25.891+/-8.520 χ^2/NDF:70.2/54

All: 9.632+/-6.090 χ^2/NDF: 137.5/102



Right In: 62.614+/-0.012 χ^2/NDF: 1679037.3/24

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

Right Out: 65.699+/-0.012 χ^2/NDF: 2492375.6/29

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

Left: 42.500+/-0.005 χ^2/NDF: 1288924.2/47

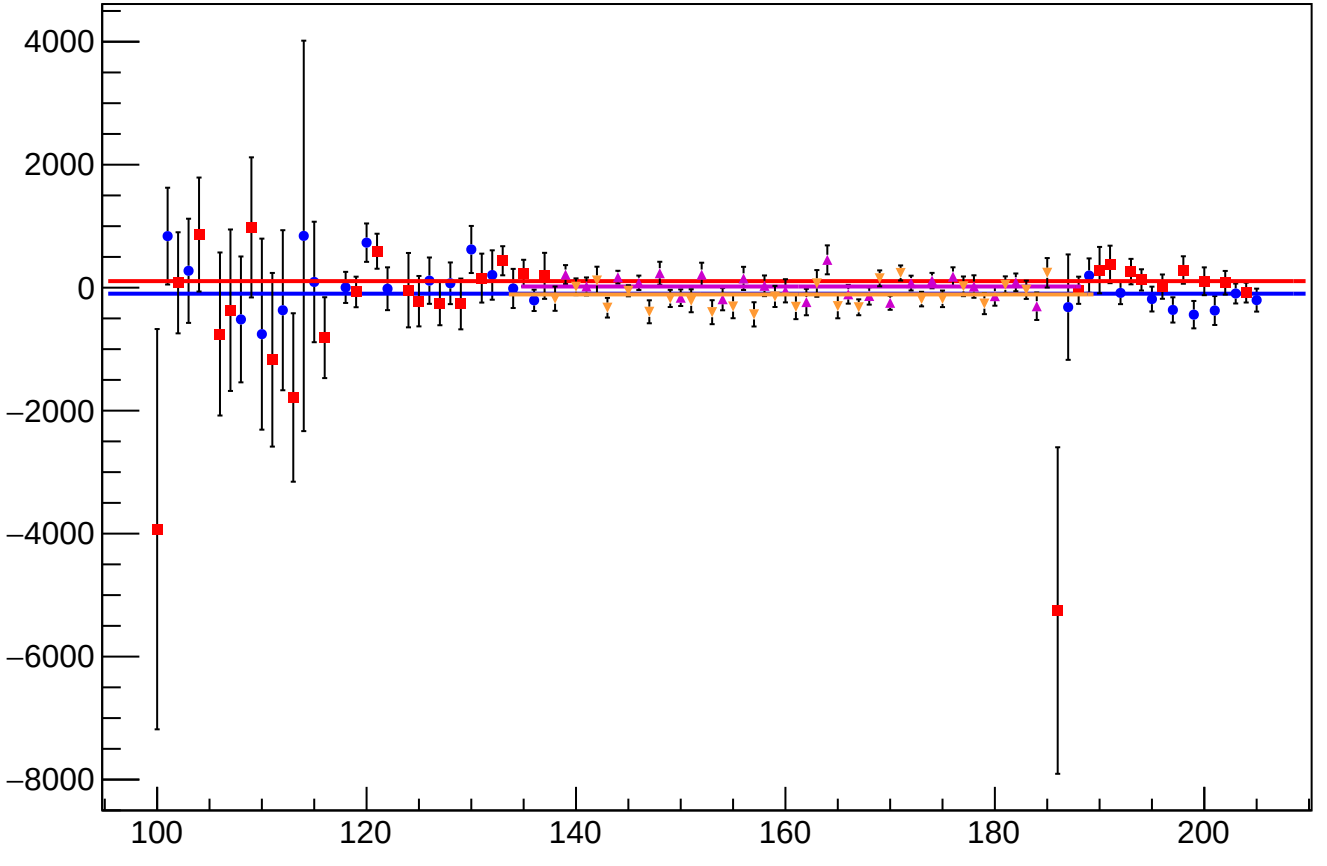
Right: 64.135+/-0.009 χ^2/NDF: 4202750.2/54

In: 47.655+/-0.006 χ^2/NDF:4271714.4/47

Out: 47.912+/-0.006 χ^2/NDF:5879816.0/54

All: 47.786+/-0.004 χ^2/NDF: 10152423.8/102

asym_sam_37_26_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -97.848+/-56.840 χ^2/NDF: 21.6/24

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: 106.518+/-54.413 χ^2/NDF: 24.7/29

Left In: 18.838+/-31.477 χ^2/NDF:27.2/22

Left: -47.000+/-21.999 χ^2/NDF: 72.0/47

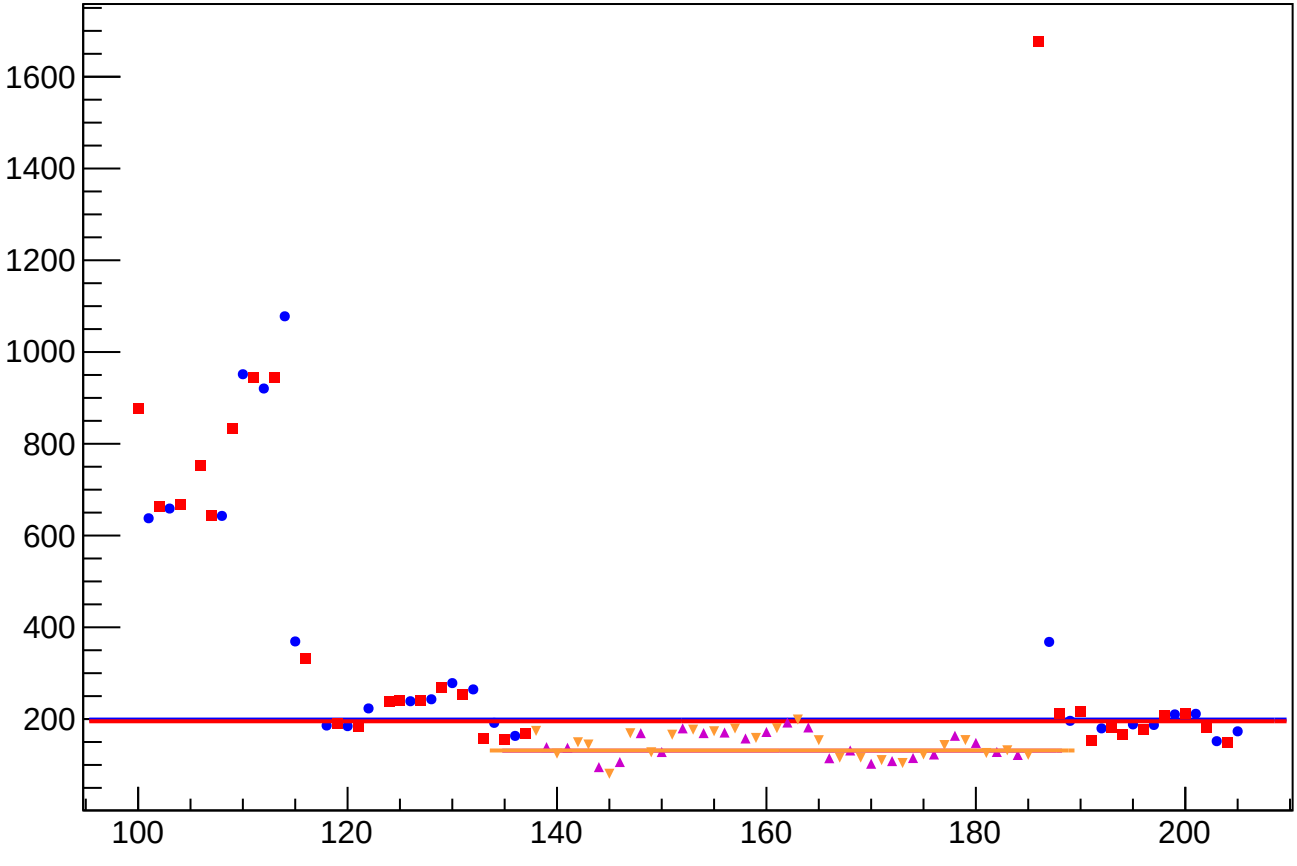
Right: 8.792+/-39.306 χ^2/NDF: 53.0/54

In: -8.547+/-27.536 χ^2/NDF:52.0/47

Out: -57.468+/-26.777 χ^2/NDF:73.0/54

All: -33.692+/-19.197 χ^2/NDF: 126.6/102

asym_sam_37_26_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 198.891+/-0.040 χ^2/NDF: 3515532.1/24

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 195.162+/-0.038 χ^2/NDF: 4961875.3/29

Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

Left: 131.300+/-0.016 χ^2/NDF: 3370963.6/47

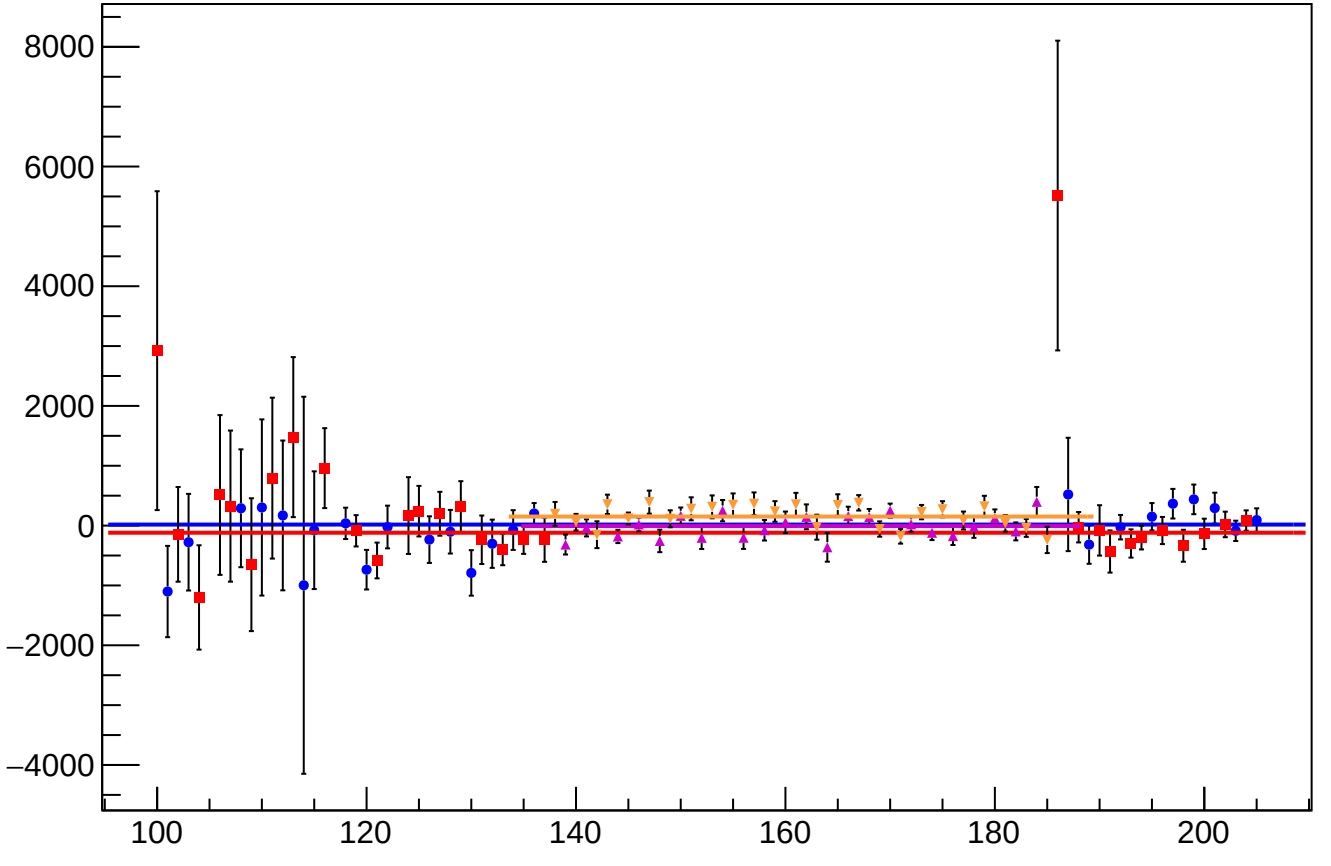
Right: 196.946+/-0.028 χ^2/NDF: 8481899.4/54

In: 146.990+/-0.019 χ^2/NDF:7162237.8/47

Out: 146.928+/-0.019 χ^2/NDF:8938578.7/54

All: 146.958+/-0.014 χ^2/NDF: 16100821.7/10

asym_sam_37_26_dd_mean vs Slug, Sign Corrected



Right In: 17.150+/-60.894 χ^2/NDF: 22.9/24

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: -119.034+/-59.754 χ^2/NDF: 23.7/29

Left In: -7.941+/-31.621 χ^2/NDF:29.5/22

Left: 73.285+/-22.119 χ^2/NDF: 75.5/47

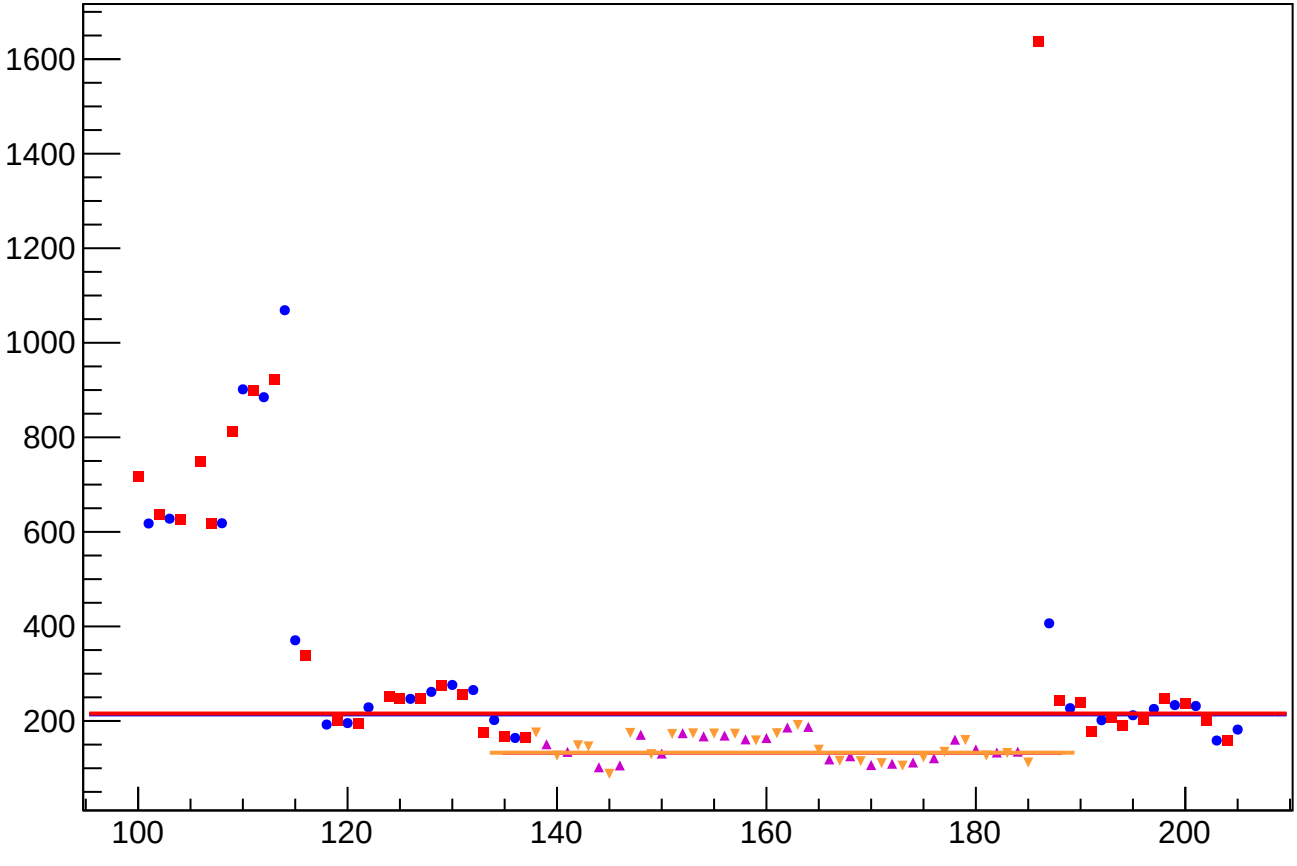
Right: -52.229+/-42.650 χ^2/NDF: 49.1/54

In: -2.612+/-28.063 χ^2/NDF:52.5/47

Out: 93.960+/-27.484 χ^2/NDF:72.9/54

All: 46.682+/-19.635 χ^2/NDF: 131.4/102

asym_sam_37_26_dd_rms vs Slug, Sign Corrected



Right In: 213.886+/-0.043 χ^2/NDF: 3342053.1/24

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

Right Out: 215.752+/-0.042 χ^2/NDF: 4589967.4/29

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

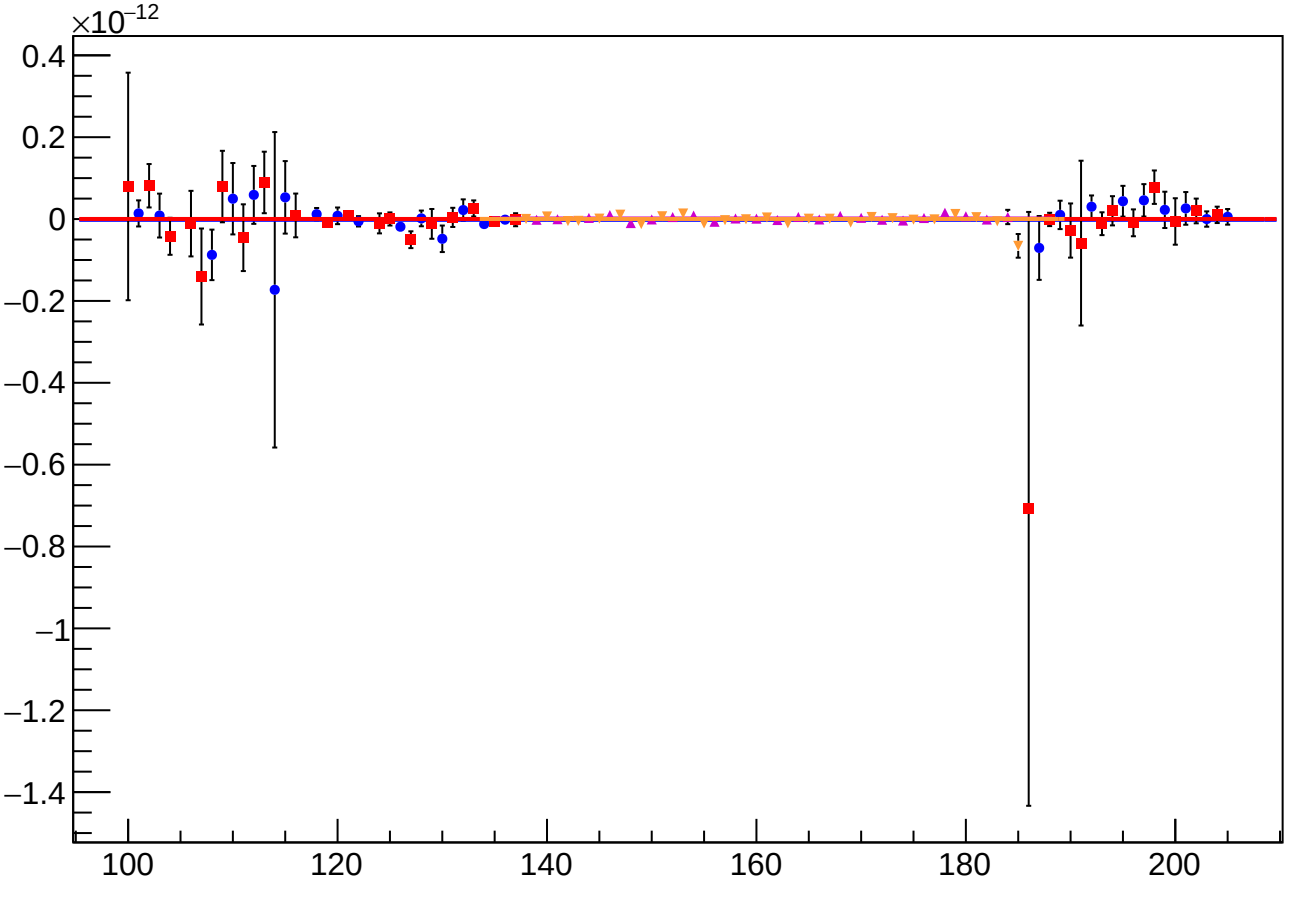
Left: 132.614+/-0.016 χ^2/NDF: 2870363.4/47

Right: 214.837+/-0.030 χ^2/NDF: 7932977.7/54

In: 149.660+/-0.020 χ^2/NDF:7444579.6/47

Out: 150.408+/-0.019 χ^2/NDF:9215713.8/54

All: 150.042+/-0.014 χ^2/NDF: 16661018.1/10



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/29

Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

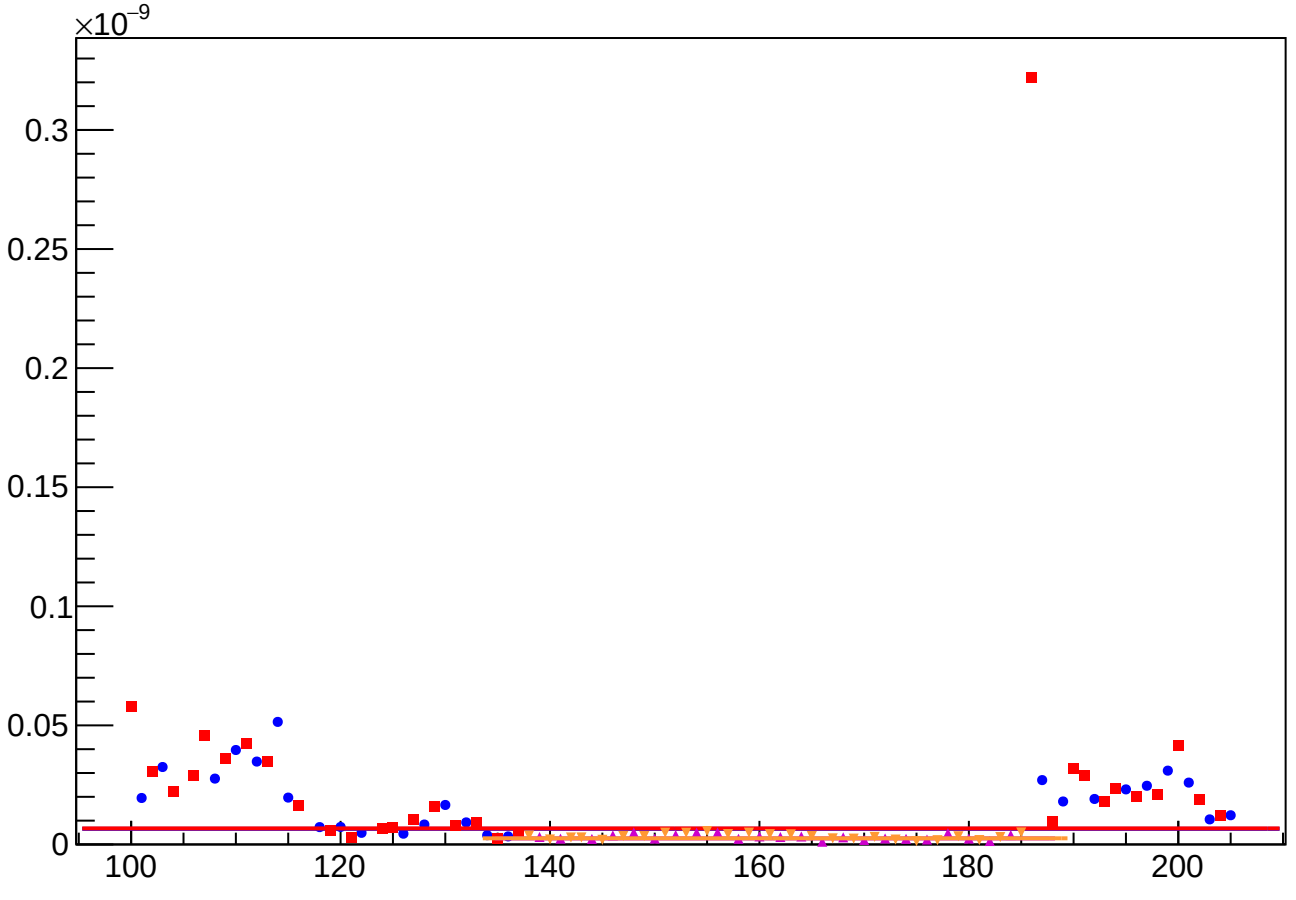
Left: 0.000+/-0.000 χ^2/NDF: 47.6/47

Right: -0.000+/-0.000 χ^2/NDF: 42.3/54

In: 0.000+/-0.000 χ^2/NDF:33.5/47

Out: 0.000+/-0.000 χ^2/NDF:56.4/54

All: 0.000+/-0.000 χ^2/NDF: 90.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 5836189.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6921765.2/29

Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

Left: 0.000+/-0.000 χ^2/NDF: 3707099.3/47

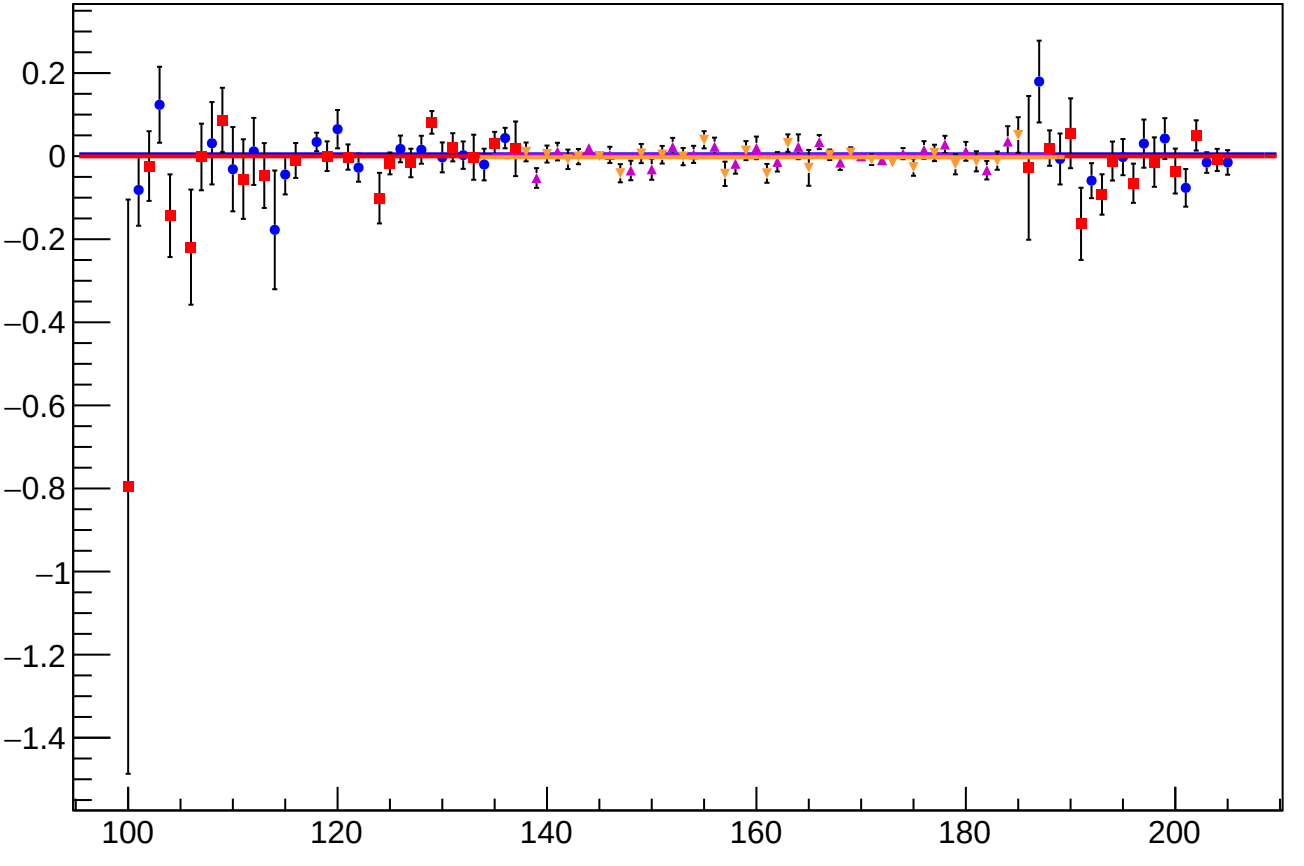
Right: 0.000+/-0.000 χ^2/NDF: 12760132.0/54

In: 0.000+/-0.000 χ^2/NDF:9884036.3/47

Out: 0.000+/-0.000 χ^2/NDF:11501931.2/54

All: 0.000+/-0.000 χ^2/NDF: 21386012.1/102

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

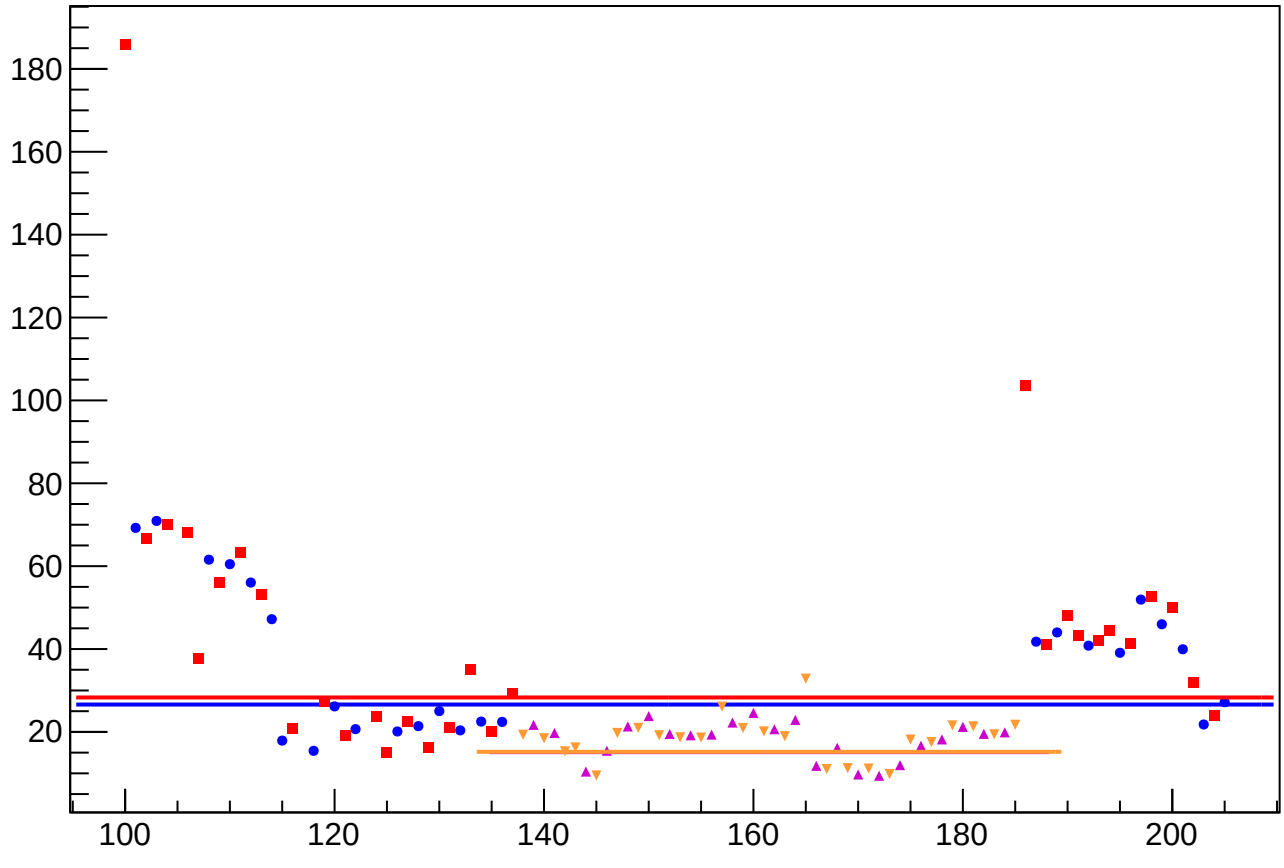
Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

Right: 0.002+/-0.006 χ^2/NDF: 58.0/54

In: 0.003+/-0.003 χ^2/NDF:50.7/47

Out: -0.002+/-0.003 χ^2/NDF:56.8/54

All: 0.000+/-0.002 χ^2/NDF: 108.6/102



Right In: 26.604+/-0.006 χ^2/NDF: 4196845.1/24

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303395.6/29

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

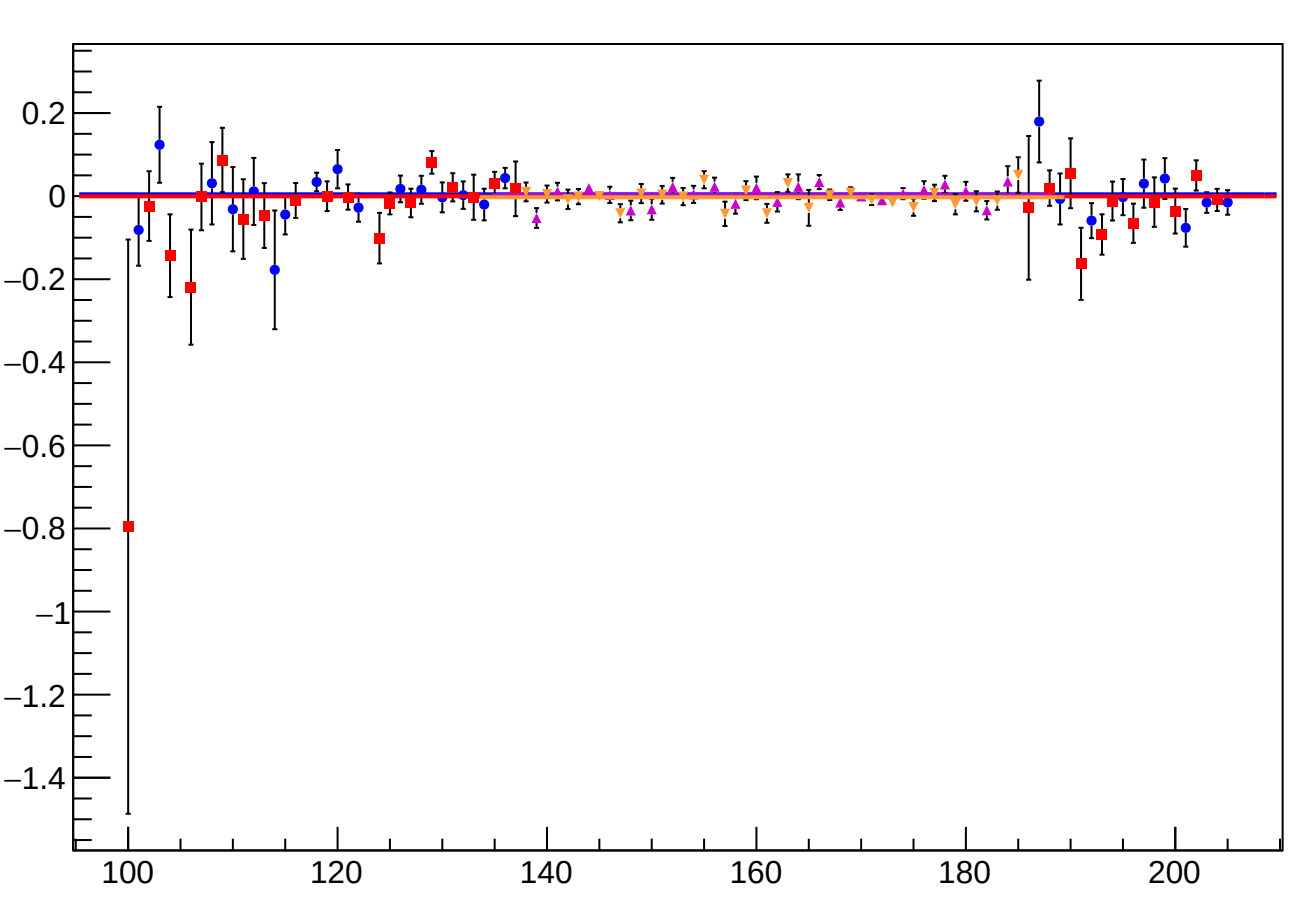
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.432+/-0.004 χ^2/NDF: 9544750.1/54

In: 17.267+/-0.002 χ^2/NDF:10976507.1/47

Out: 17.420+/-0.002 χ^2/NDF:12981980.0/54

All: 17.345+/-0.002 χ^2/NDF: 23960477.4/102



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

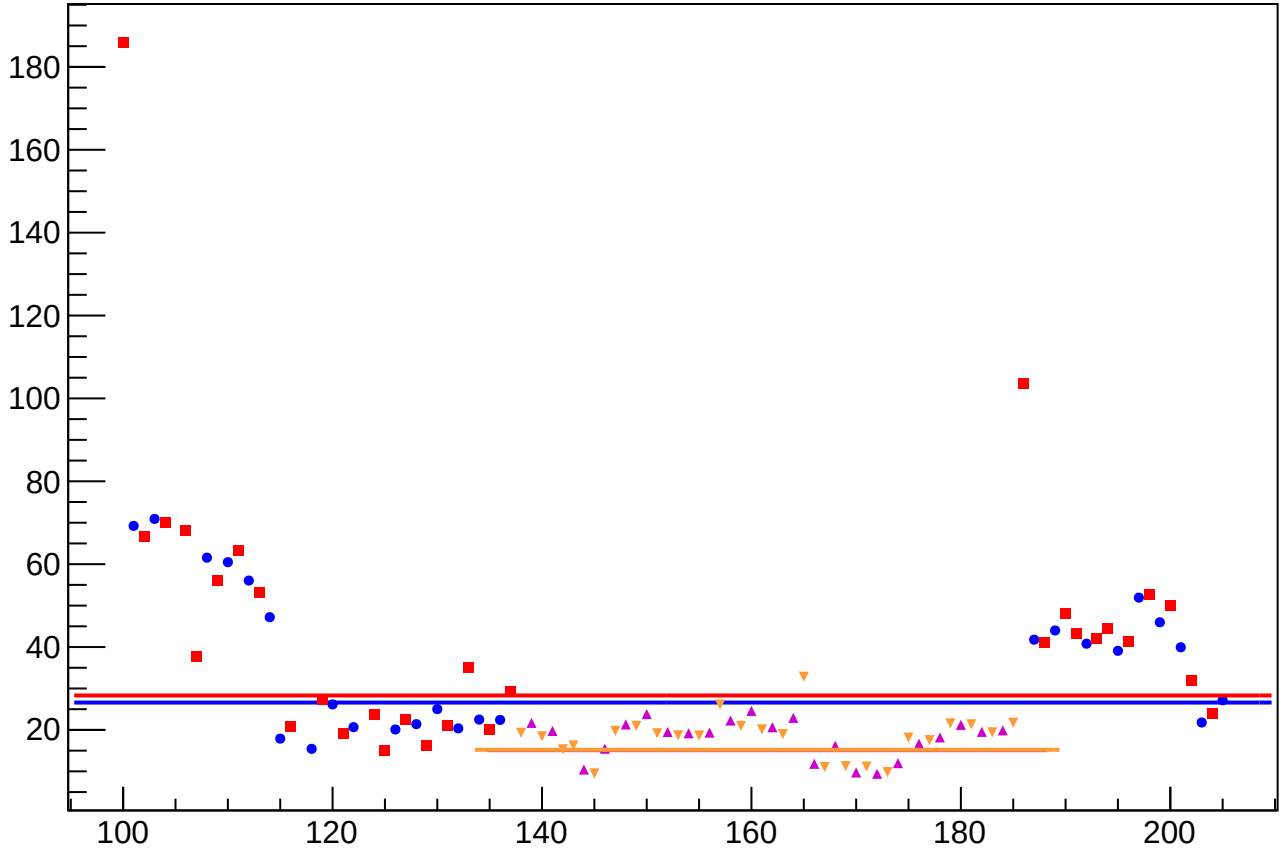
Right: 0.002+/-0.006 χ^2/NDF: 58.0/54

In: 0.003+/-0.003 χ^2/NDF:50.7/47

Out: -0.002+/-0.003 χ^2/NDF:56.8/54

All: 0.000+/-0.002 χ^2/NDF: 108.6/102

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.604+/-0.006 χ^2/NDF: 4196845.1/24

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303395.6/29

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

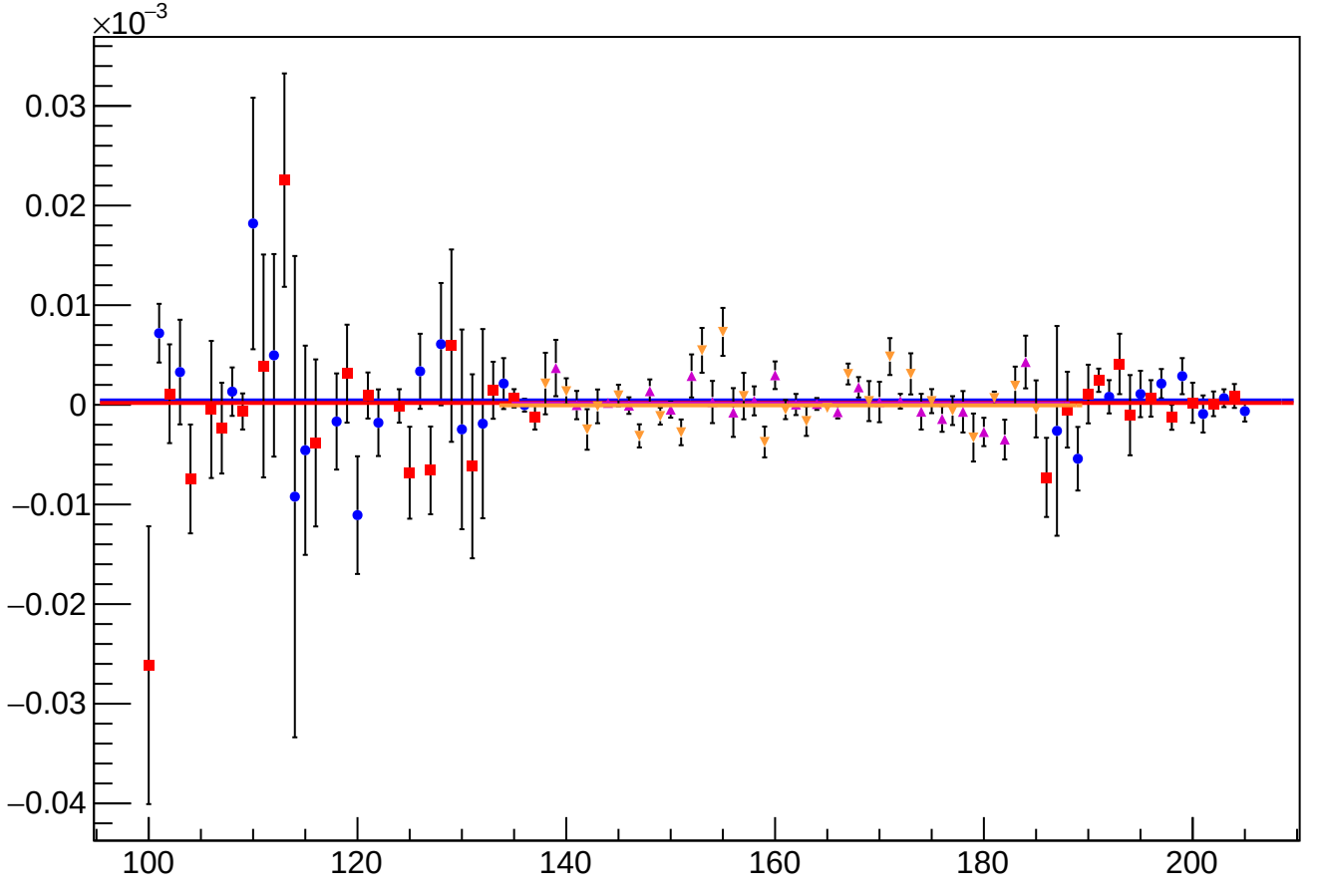
Left: 15.161+/-0.002 χ^2/NDF: 6844723.3/47

Right: 27.432+/-0.004 χ^2/NDF: 9544750.1/54

In: 17.267+/-0.002 χ^2/NDF:10976507.1/47

Out: 17.420+/-0.002 χ^2/NDF:12981980.0/54

All: 17.345+/-0.002 χ^2/NDF: 23960477.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/29

Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

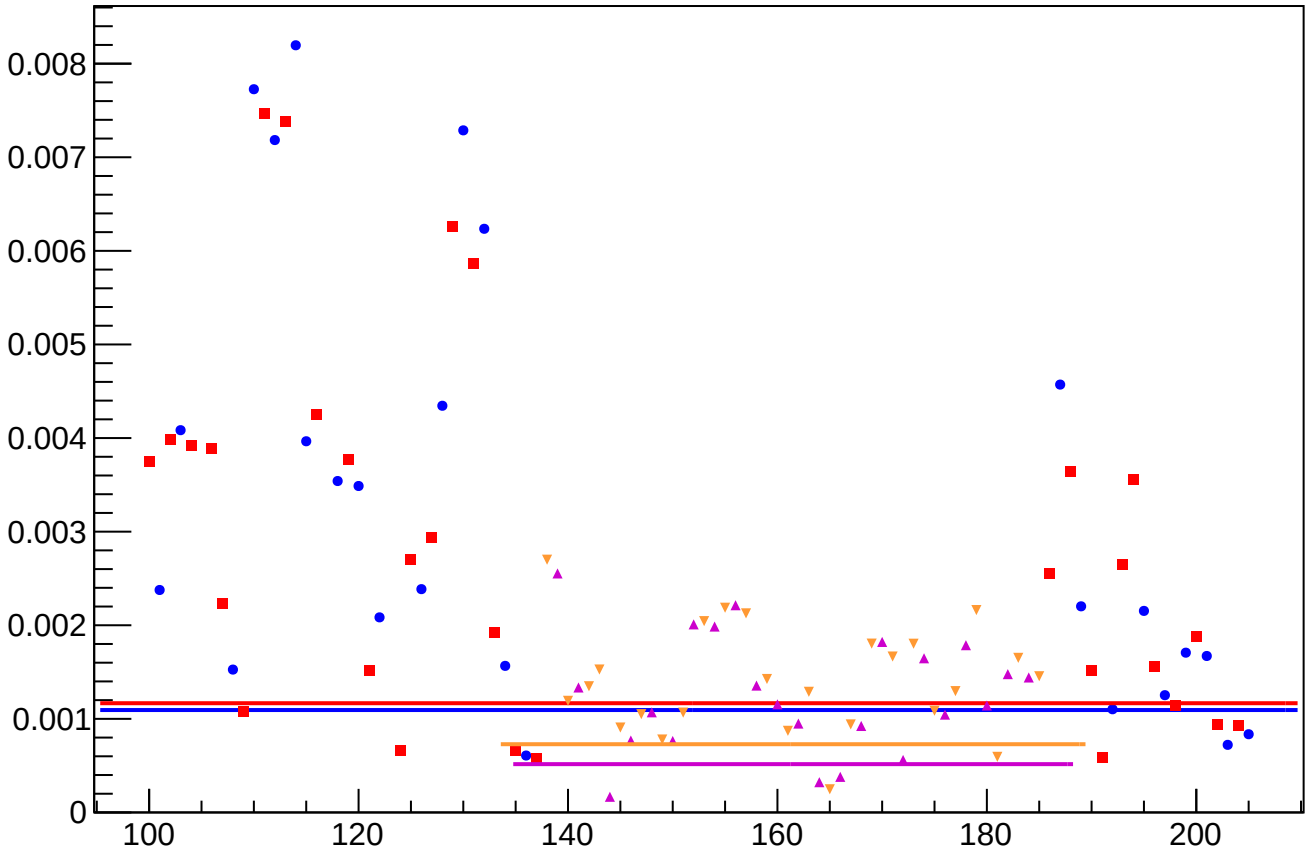
Left: 0.000+/-0.000 χ^2/NDF: 88.7/47

Right: 0.000+/-0.000 χ^2/NDF: 53.2/54

In: 0.000+/-0.000 χ^2/NDF:49.7/47

Out: 0.000+/-0.000 χ^2/NDF:92.5/54

All: 0.000+/-0.000 χ^2/NDF: 142.7/102



Right In: 0.001+/-0.000 χ^2/NDF: 8834936.1/24

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10092691.2/29

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

Left: 0.001+/-0.000 χ^2/NDF: 29374928.0/47

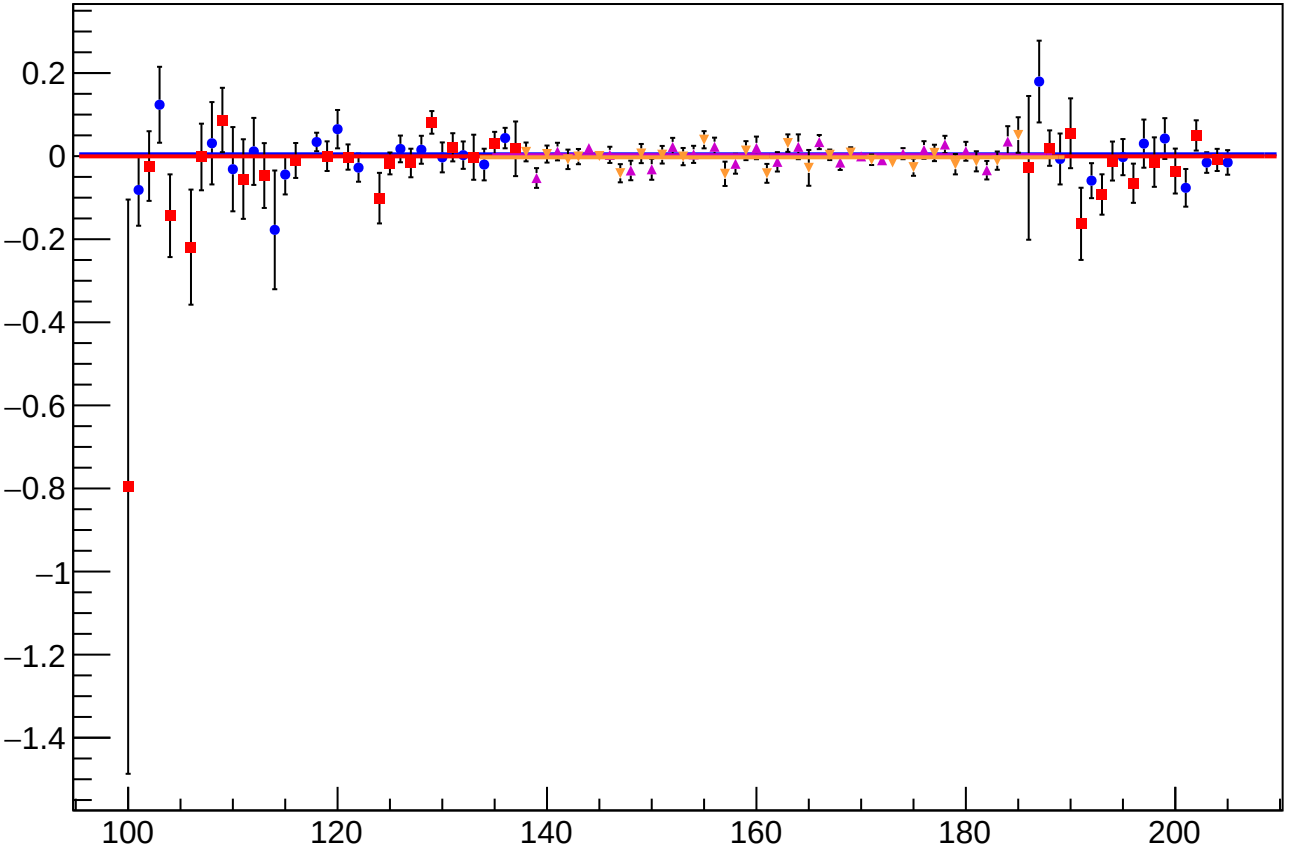
Right: 0.001+/-0.000 χ^2/NDF: 18964360.7/54

In: 0.001+/-0.000 χ^2/NDF:27737285.0/47

Out: 0.001+/-0.000 χ^2/NDF:25223877.5/54

All: 0.001+/-0.000 χ^2/NDF: 54456467.0/102

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

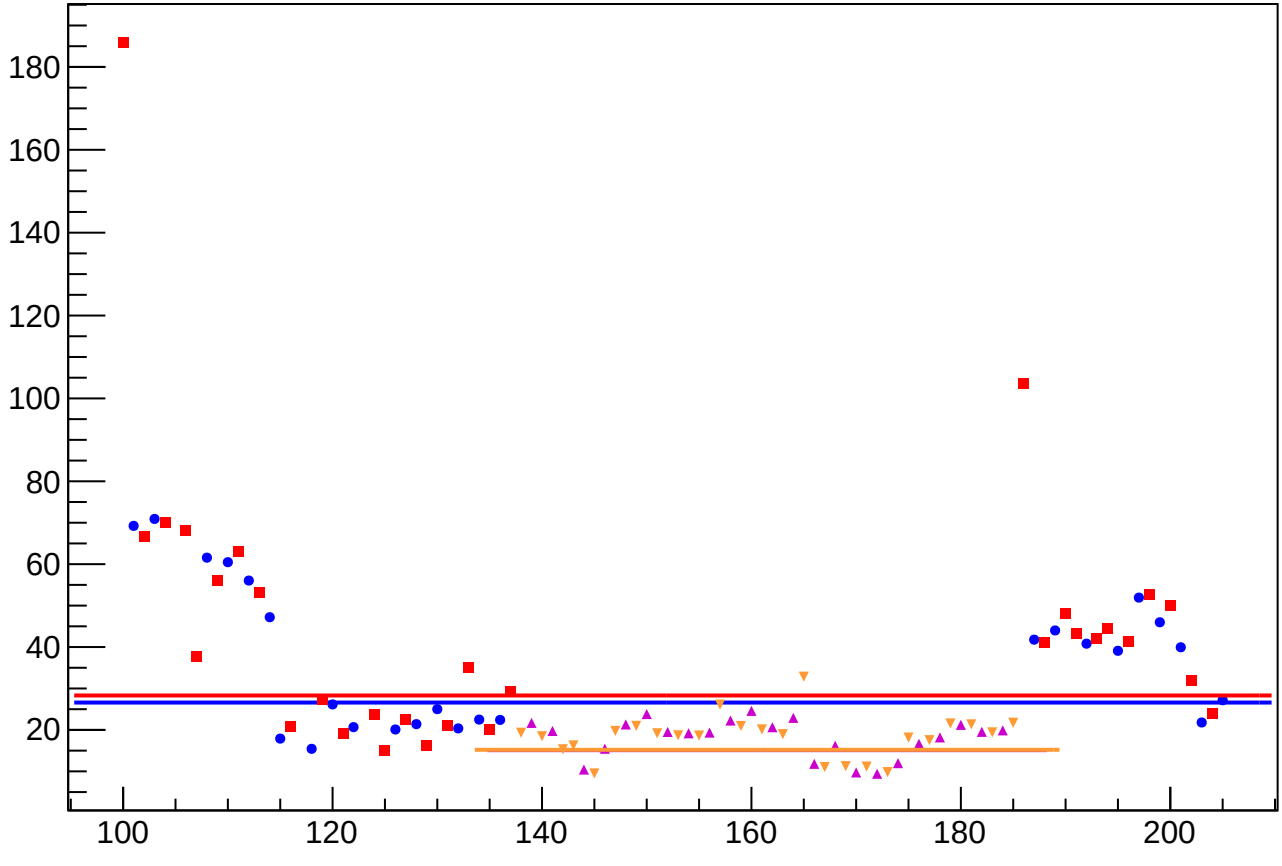
Right: 0.002+/-0.006 χ^2/NDF: 58.0/54

In: 0.003+/-0.003 χ^2/NDF:50.7/47

Out: -0.002+/-0.003 χ^2/NDF:56.8/54

All: 0.000+/-0.002 χ^2/NDF: 108.6/102

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.603+/-0.006 χ^2/NDF: 4197159.9/24

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303581.6/29

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

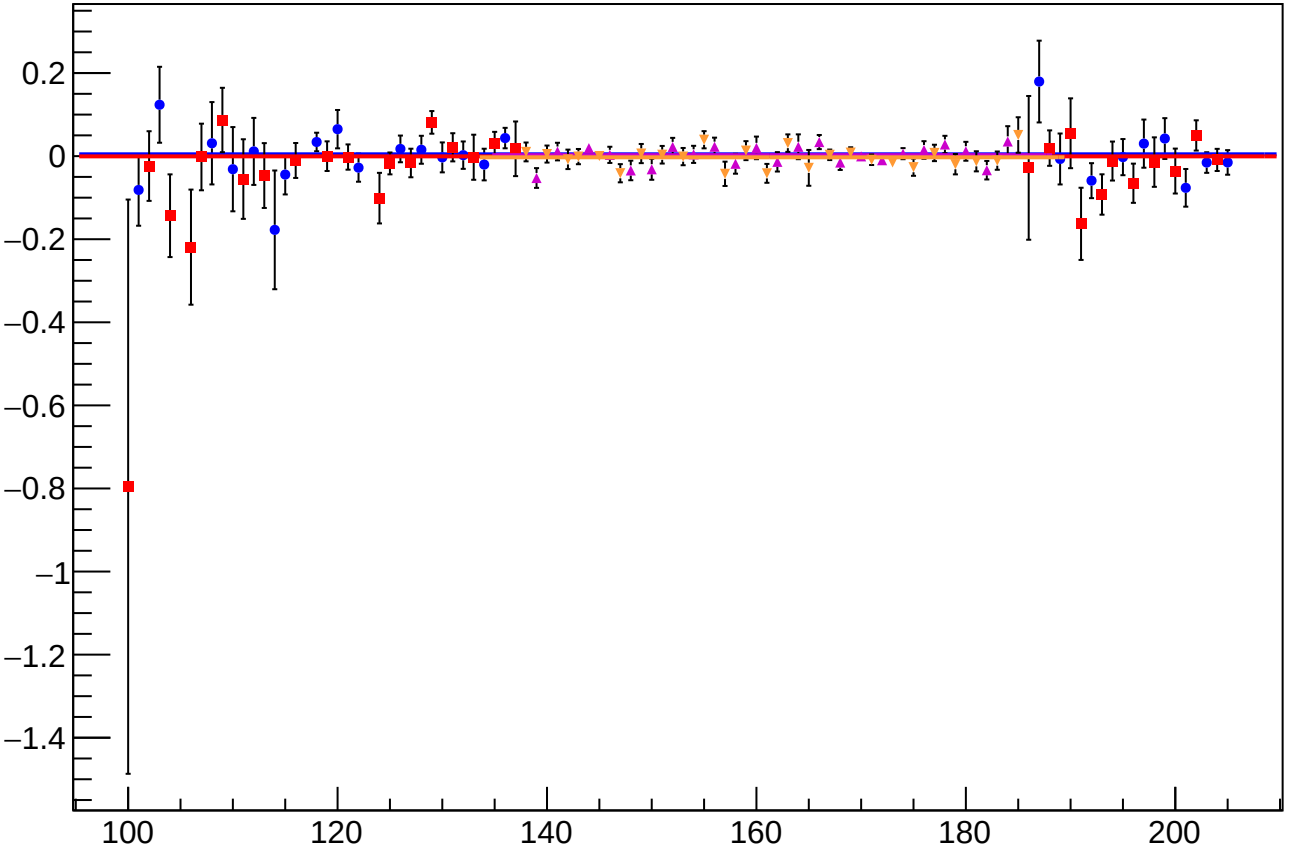
Right: 27.432+/-0.004 χ^2/NDF: 9545282.6/54

In: 17.268+/-0.002 χ^2/NDF:10976402.7/47

Out: 17.420+/-0.002 χ^2/NDF:12982073.1/54

All: 17.345+/-0.002 χ^2/NDF: 23960466.3/102

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.001+/-0.008 χ^2/NDF: 34.1/29

Left In: 0.002+/-0.004 χ^2/NDF:26.9/22

Left: -0.000+/-0.003 χ^2/NDF: 50.5/47

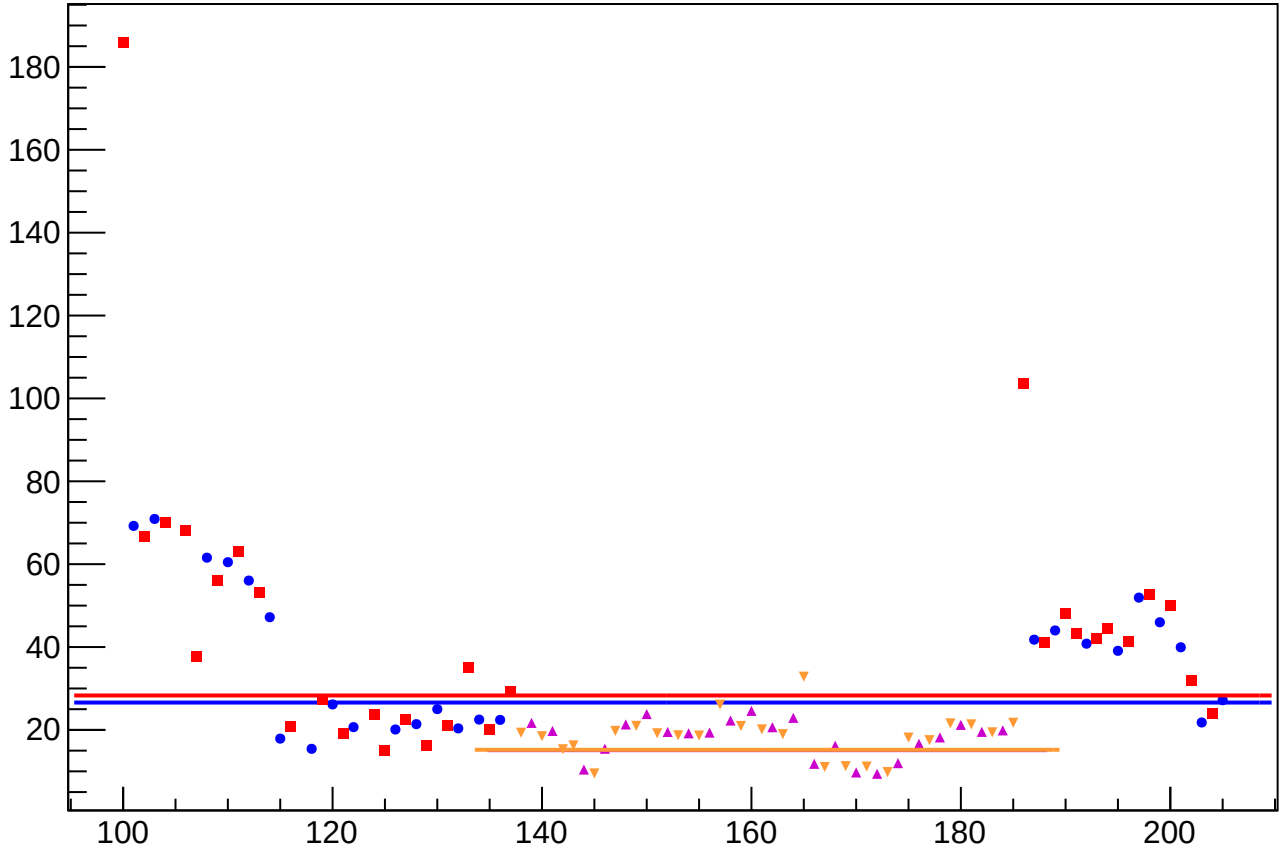
Right: 0.002+/-0.006 χ^2/NDF: 58.0/54

In: 0.003+/-0.003 χ^2/NDF:50.7/47

Out: -0.002+/-0.003 χ^2/NDF:56.8/54

All: 0.000+/-0.002 χ^2/NDF: 108.6/102

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 26.603+/-0.006 χ^2/NDF: 4197159.9/24

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

Right Out: 28.311+/-0.006 χ^2/NDF: 5303581.6/29

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

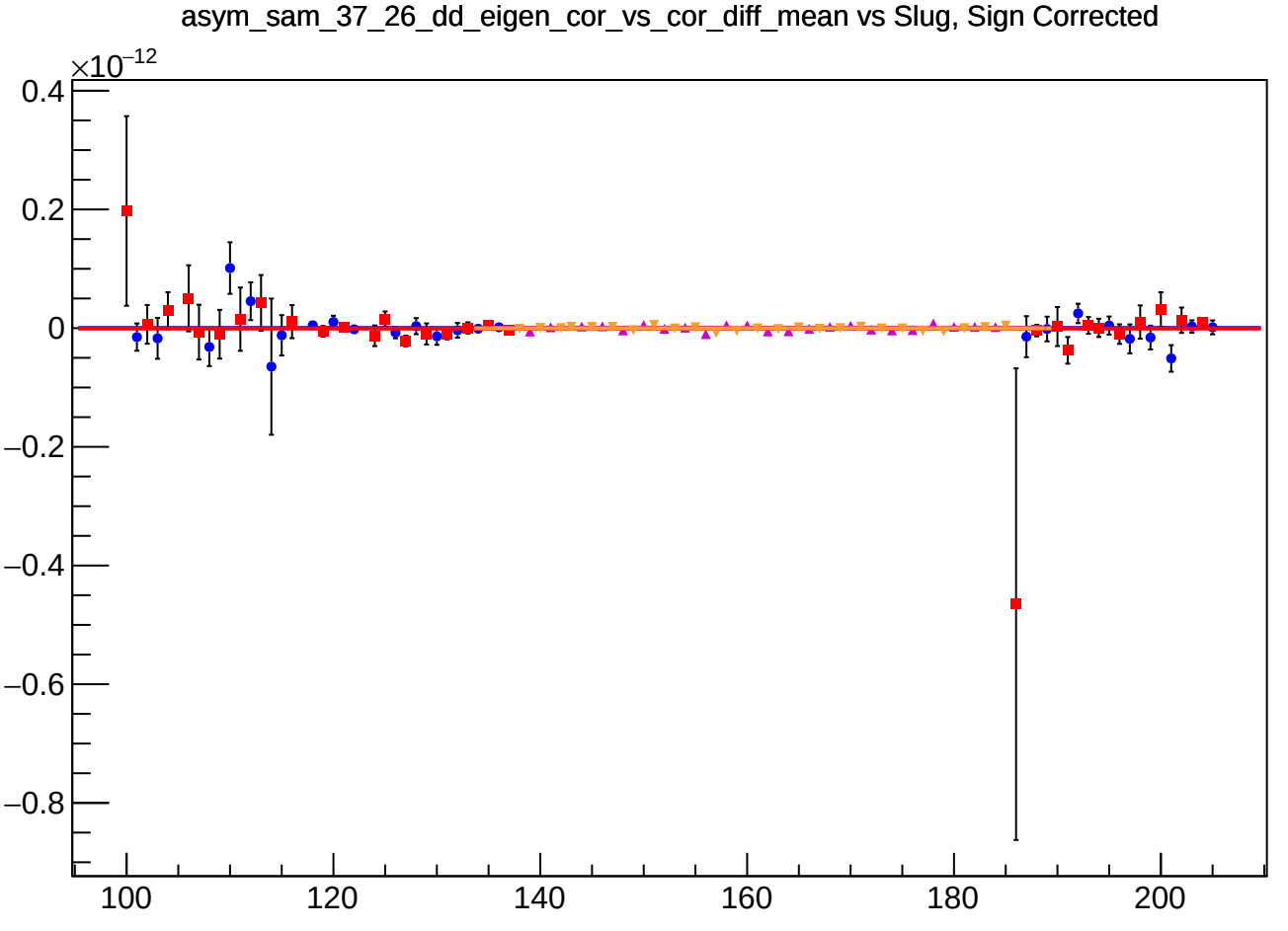
Left: 15.161+/-0.002 χ^2/NDF: 6844846.5/47

Right: 27.432+/-0.004 χ^2/NDF: 9545282.6/54

In: 17.268+/-0.002 χ^2/NDF:10976402.7/47

Out: 17.420+/-0.002 χ^2/NDF:12982073.1/54

All: 17.345+/-0.002 χ^2/NDF: 23960466.3/102



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 24.3/29

Left In: 0.000+/-0.000 χ^2/NDF:39.5/22

Left: 0.000+/-0.000 χ^2/NDF: 62.7/47

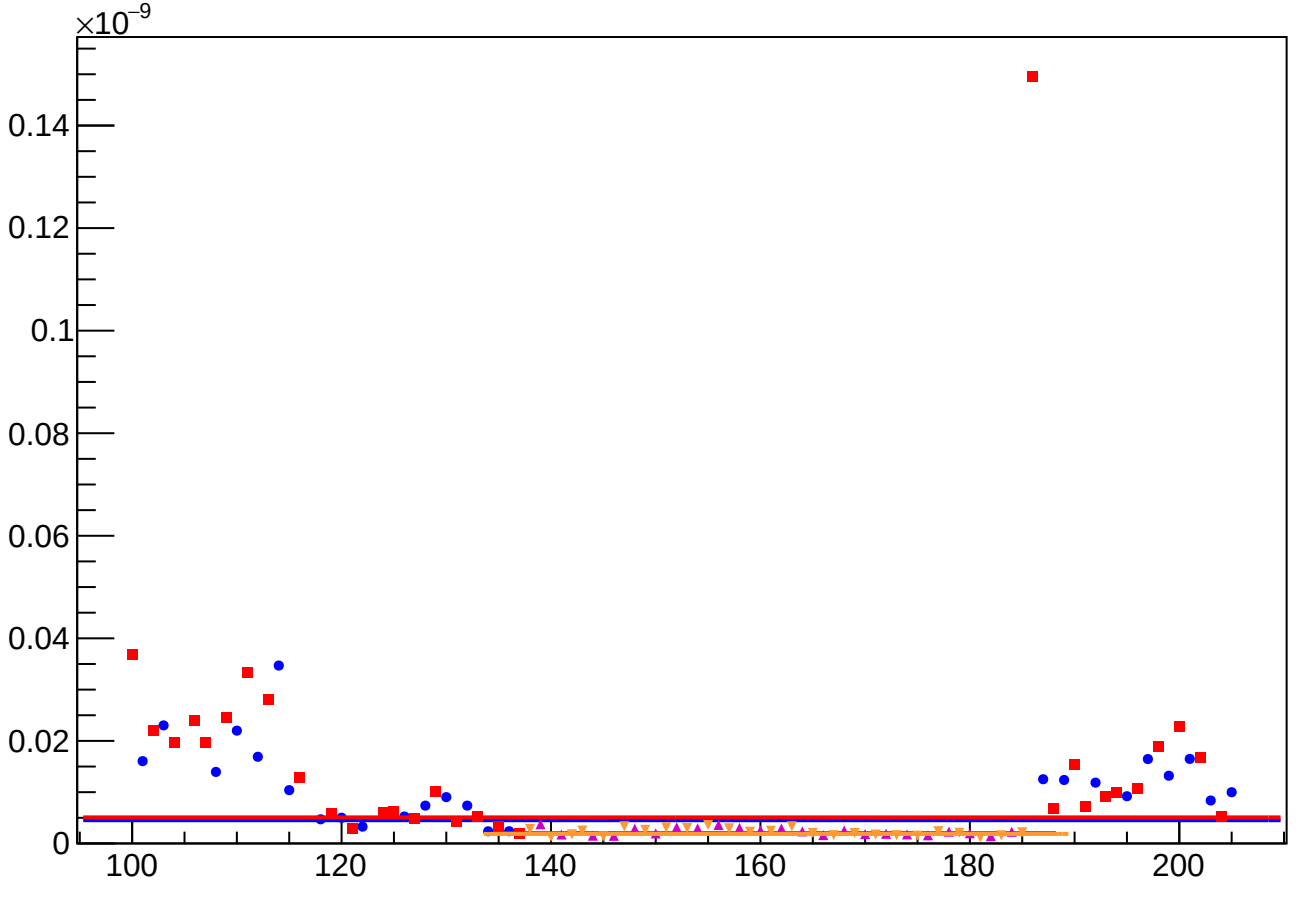
Right: -0.000+/-0.000 χ^2/NDF: 46.3/54

In: 0.000+/-0.000 χ^2/NDF:61.5/47

Out: -0.000+/-0.000 χ^2/NDF:45.8/54

All: 0.000+/-0.000 χ^2/NDF: 109.1/102

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 7084770.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7716899.4/29

Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

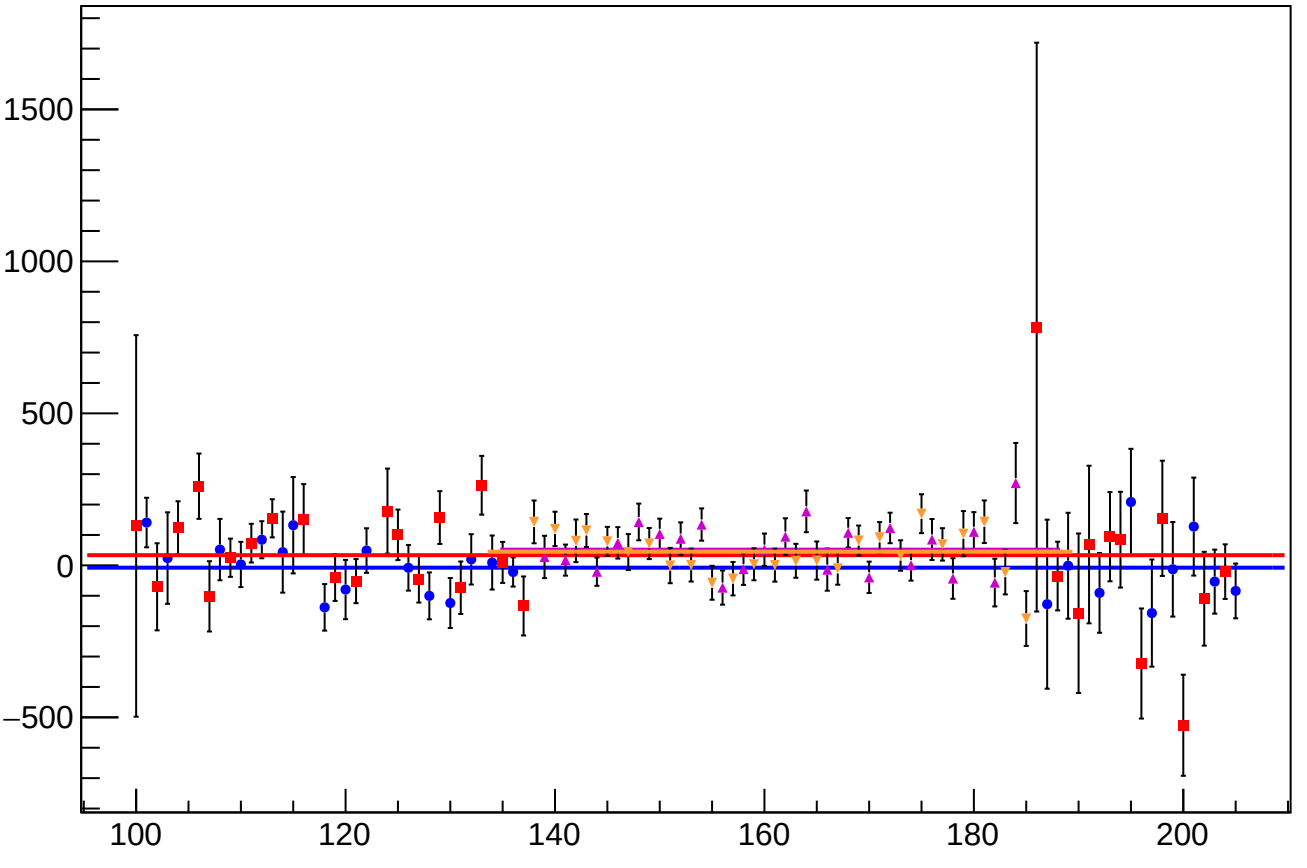
Left: 0.000+/-0.000 χ^2/NDF: 4661169.2/47

Right: 0.000+/-0.000 χ^2/NDF: 14876499.1/54

In: 0.000+/-0.000 χ^2/NDF:12211489.7/47

Out: 0.000+/-0.000 χ^2/NDF:14835505.7/54

All: 0.000+/-0.000 χ^2/NDF: 27133443.8/102



Right In: -7.618+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: 33.503+/-18.096 χ^2/NDF: 48.7/29

Left In: 51.616+/-11.929 χ^2/NDF:35.9/22

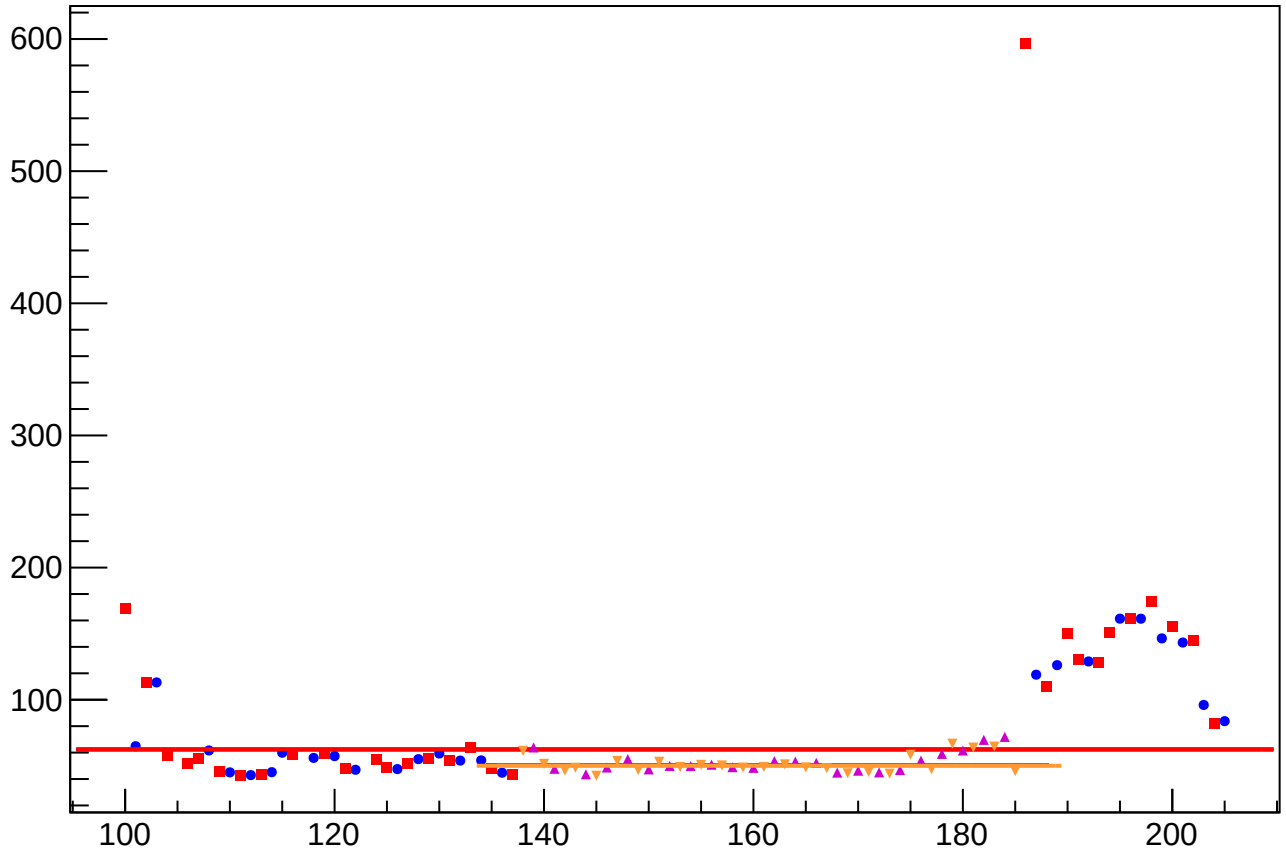
Left: 48.233+/-8.277 χ^2/NDF: 67.4/47

Right: 13.250+/-12.892 χ^2/NDF: 70.4/54

In: 34.047+/-10.004 χ^2/NDF:62.3/47

Out: 41.761+/-9.703 χ^2/NDF:80.3/54

All: 38.022+/-6.965 χ^2/NDF: 142.9/102



Right In: 62.294+/-0.013 χ^2/NDF: 4630752.4/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.557+/-0.013 χ^2/NDF: 6235262.2/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

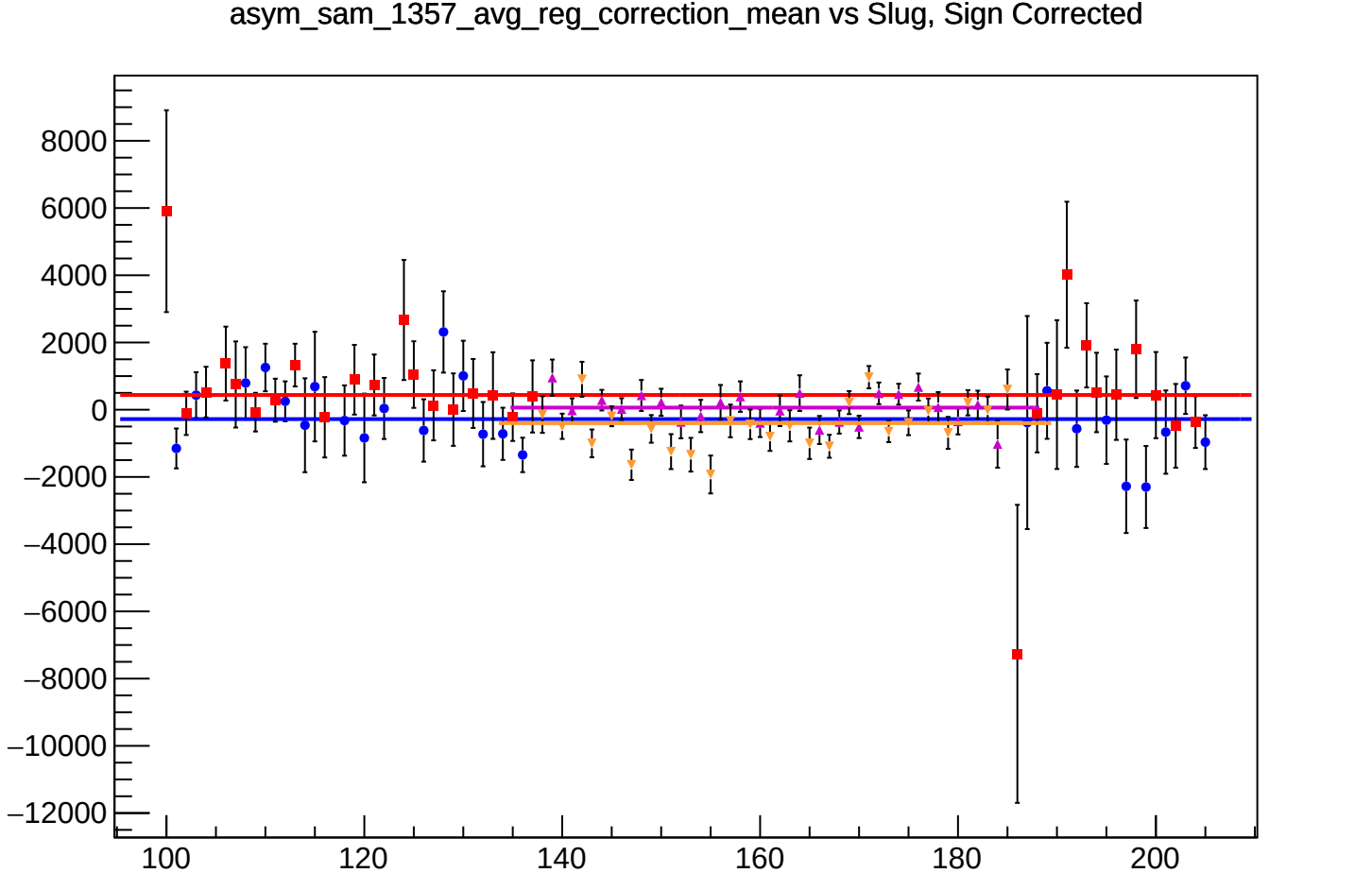
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 62.427+/-0.009 χ^2/NDF: 10866222.4/54

In: 54.007+/-0.007 χ^2/NDF:5712844.4/47

Out: 53.625+/-0.007 χ^2/NDF:7428162.7/54

All: 53.810+/-0.005 χ^2/NDF: 13142509.1/102



Right In: -279.289+/-181.426 χ^2/NDF: 29.0/24

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: 438.398+/-180.856 χ^2/NDF: 21.2/29

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

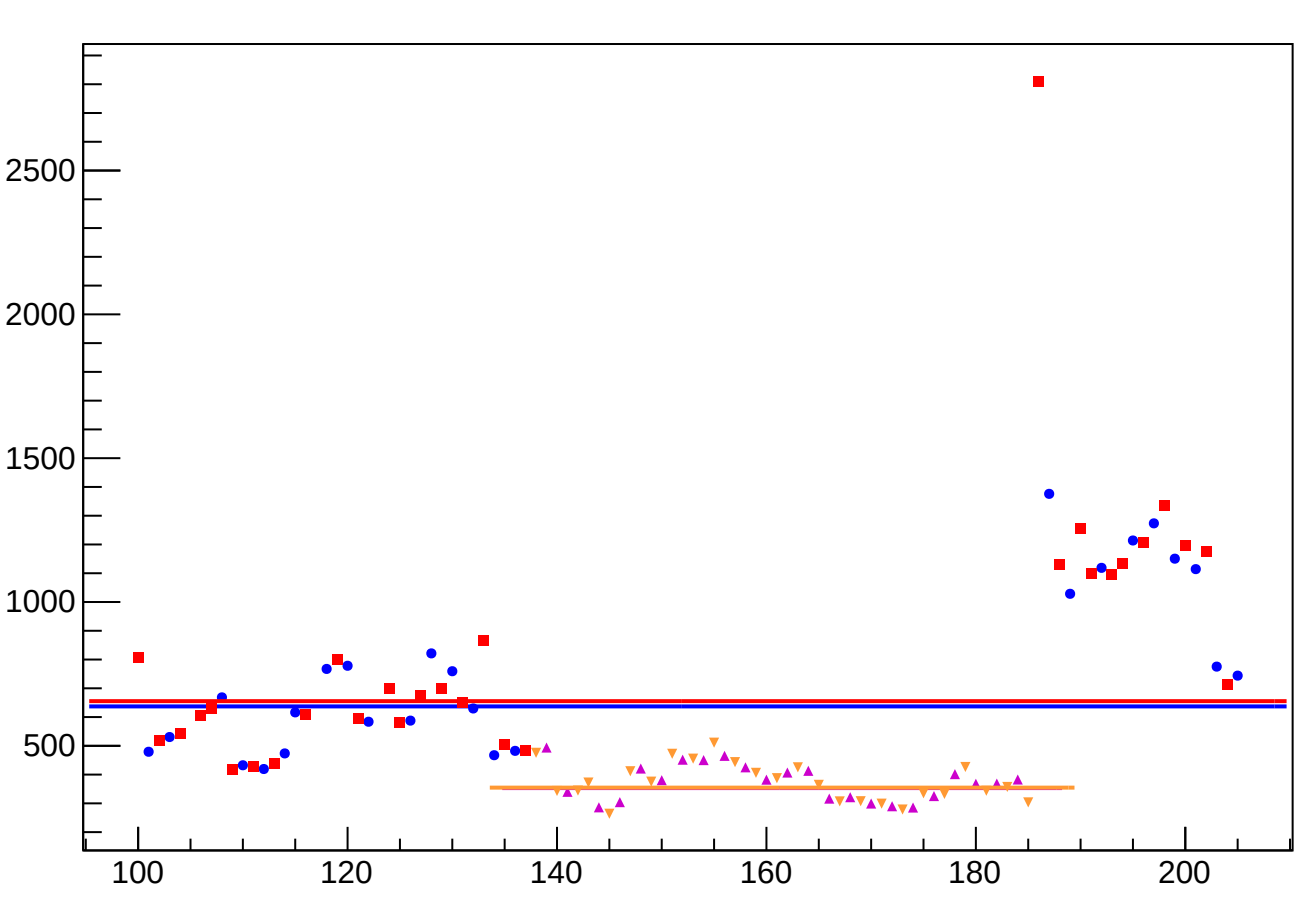
Left: -173.746+/-58.664 χ^2/NDF: 104.8/47

Right: 80.682+/-128.086 χ^2/NDF: 58.0/54

In: 1.912+/-76.146 χ^2/NDF:55.8/47

Out: -256.327+/-74.730 χ^2/NDF:104.4/54

All: -129.630+/-53.336 χ^2/NDF: 166.1/102



Right In: 637.040+/-0.128 χ^2/NDF: 3243999.1/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 655.322+/-0.128 χ^2/NDF: 4352452.3/29

Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

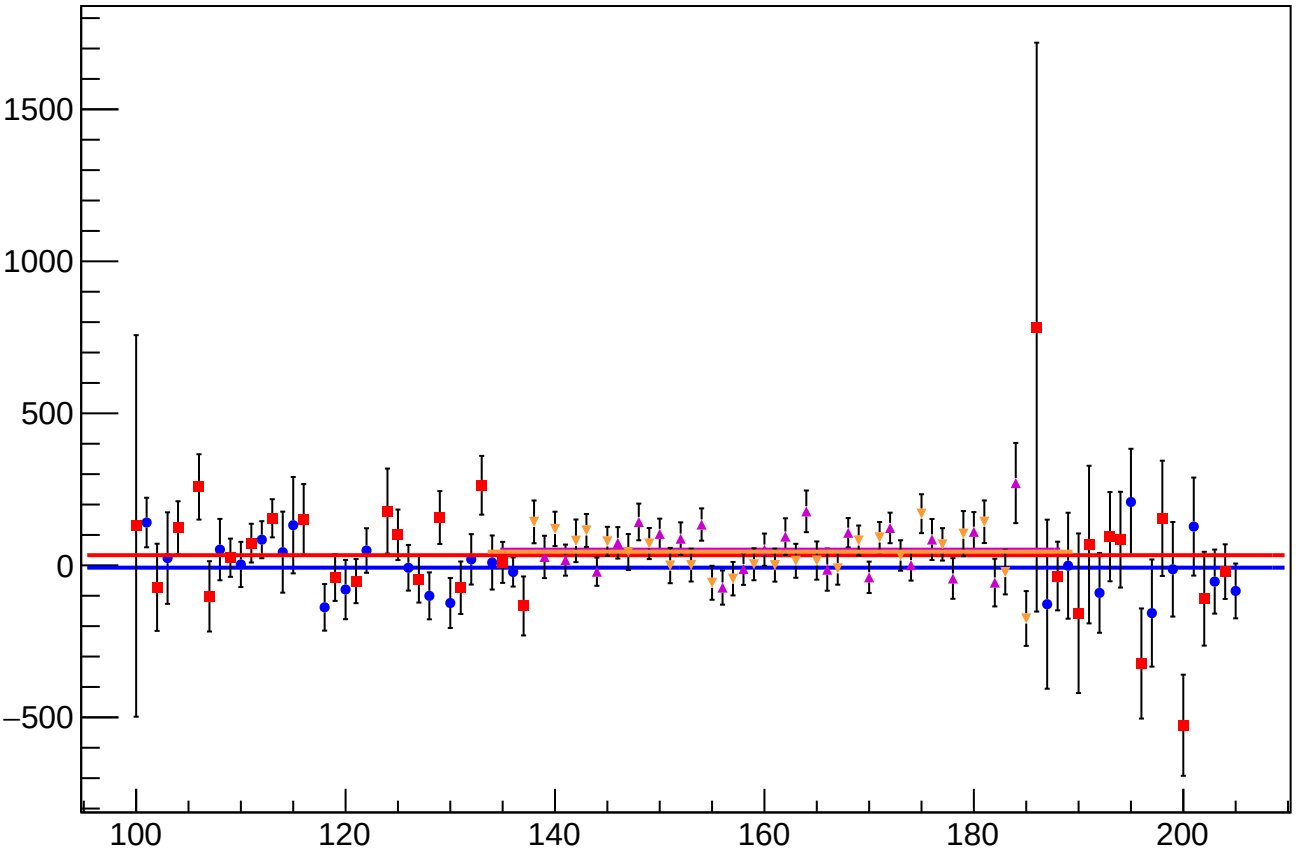
Left: 353.907+/-0.041 χ^2/NDF: 2149946.0/47

Right: 646.210+/-0.091 χ^2/NDF: 7606637.5/54

In: 403.125+/-0.054 χ^2/NDF:8283659.5/47

Out: 406.002+/-0.053 χ^2/NDF:10081270.1/54

All: 404.591+/-0.038 χ^2/NDF: 18366383.8/10



Right In: -7.623+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 33.404+/-18.097 χ^2/NDF: 48.6/29

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

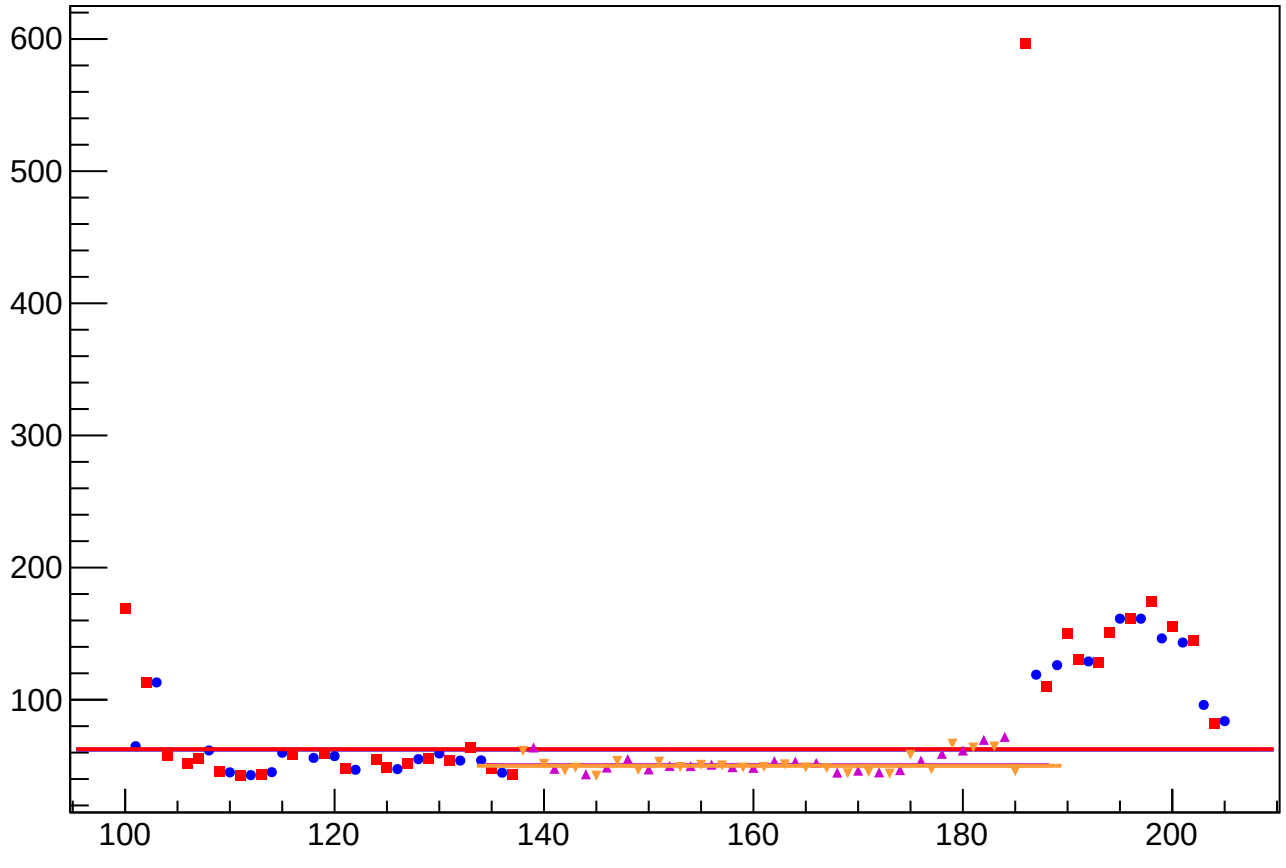
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 13.197+/-12.892 χ^2/NDF: 70.3/54

In: 34.045+/-10.004 χ^2/NDF:62.3/47

Out: 41.735+/-9.703 χ^2/NDF:80.3/54

All: 38.008+/-6.965 χ^2/NDF: 142.8/102



Right In: 62.294+/-0.013 χ^2/NDF: 4630754.8/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.548+/-0.013 χ^2/NDF: 6236627.8/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

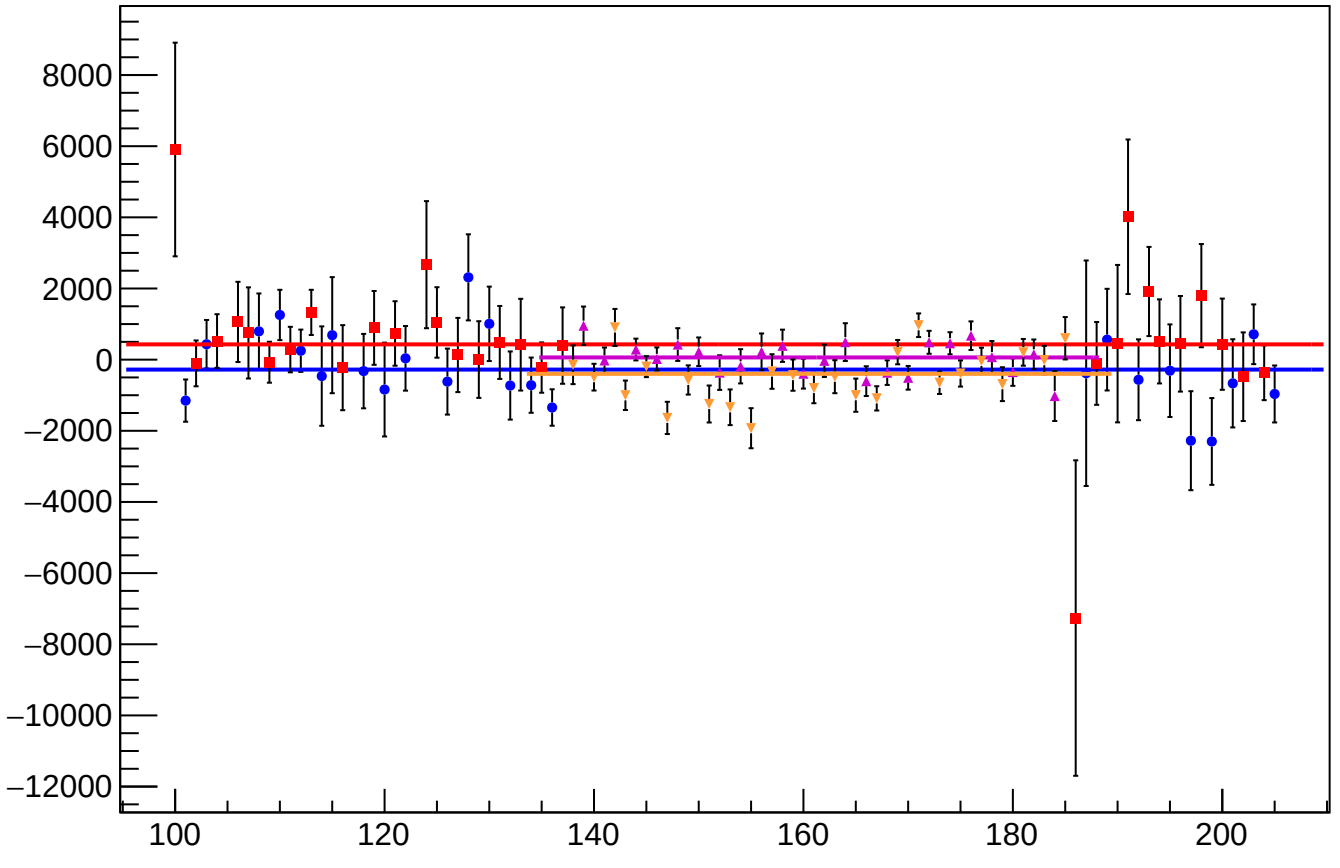
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 62.423+/-0.009 χ^2/NDF: 10867577.5/54

In: 54.007+/-0.007 χ^2/NDF:5712846.7/47

Out: 53.622+/-0.007 χ^2/NDF:7428603.9/54

All: 53.809+/-0.005 χ^2/NDF: 13142972.2/102



Right In: -279.272+/-181.427 χ^2/NDF: 29.0/24

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 429.441+/-180.991 χ^2/NDF: 20.7/29

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

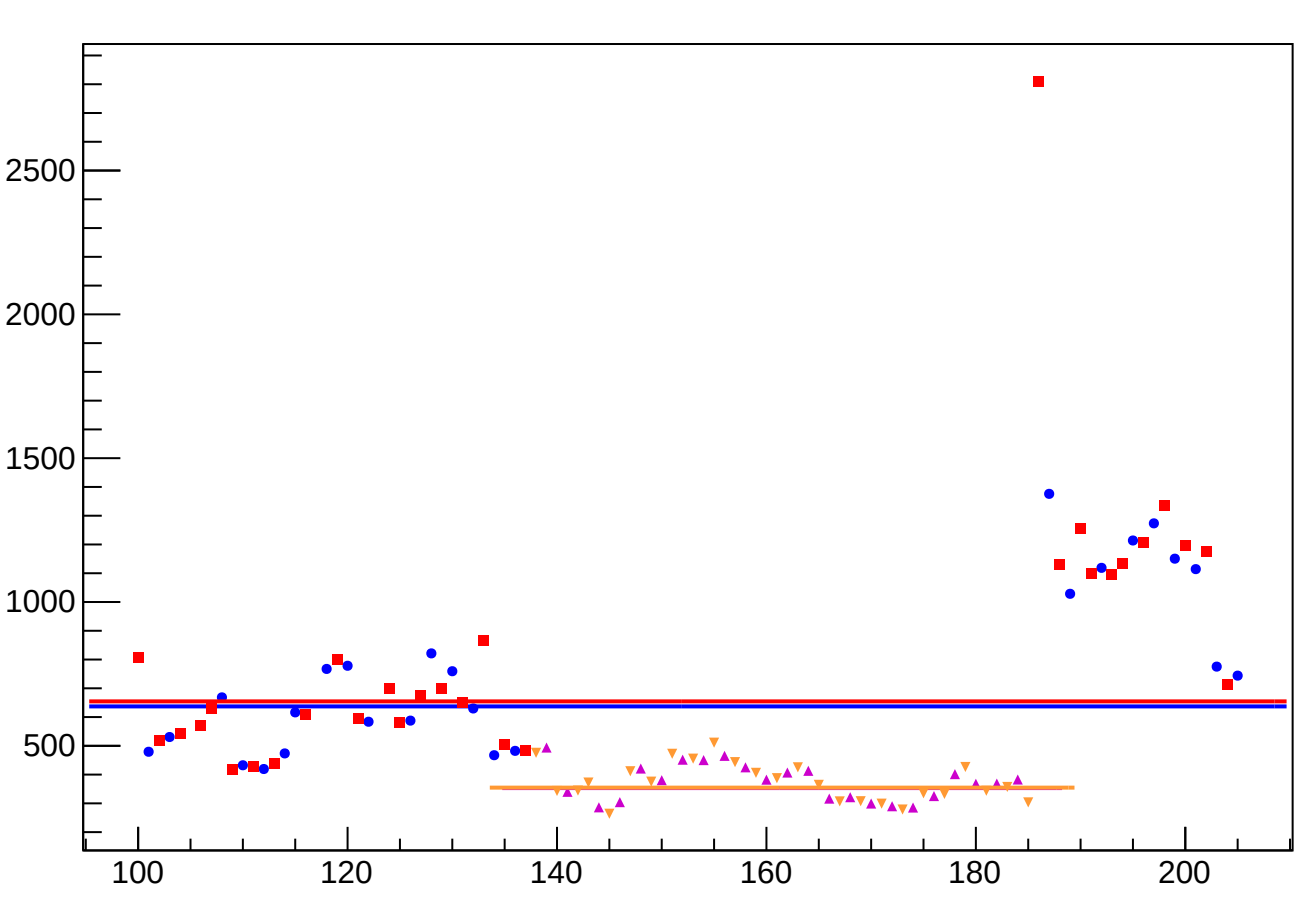
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 75.937+/-128.134 χ^2/NDF: 57.4/54

In: 1.915+/-76.146 χ^2/NDF:55.8/47

Out: -258.027+/-74.740 χ^2/NDF:103.5/54

All: -130.478+/-53.339 χ^2/NDF: 165.3/102



Right In: 637.046+/-0.128 χ^2/NDF: 3243938.5/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 654.533+/-0.128 χ^2/NDF: 4358875.5/29

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

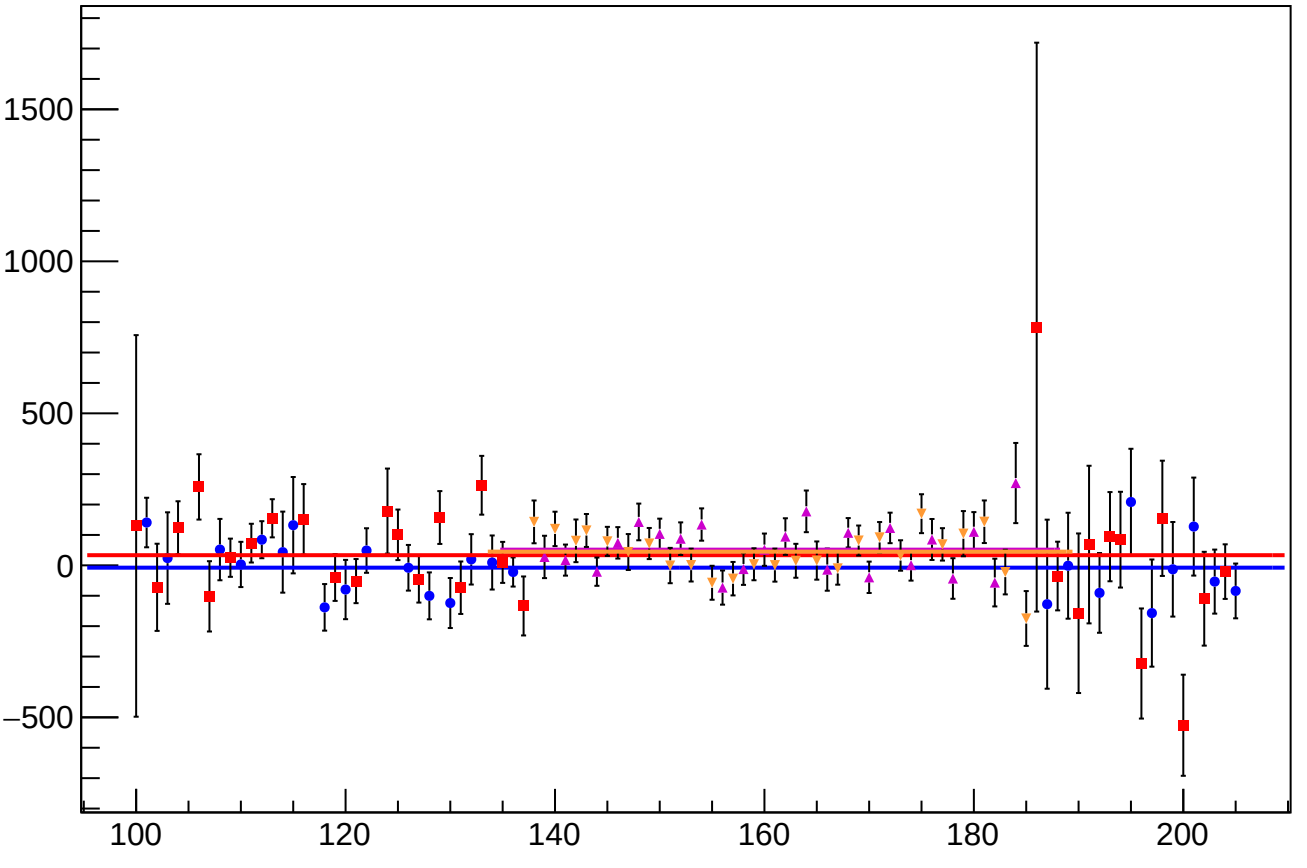
Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

Right: 645.810+/-0.091 χ^2/NDF: 7612126.2/54

In: 403.126+/-0.054 χ^2/NDF:8283708.5/47

Out: 405.804+/-0.053 χ^2/NDF:10058037.2/54

All: 404.490+/-0.038 χ^2/NDF: 18343005.9/10



Right In: -7.623+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: 33.404+/-18.097 χ^2/NDF: 48.6/29

Left In: 51.616+/-11.929 χ^2/NDF:35.8/22

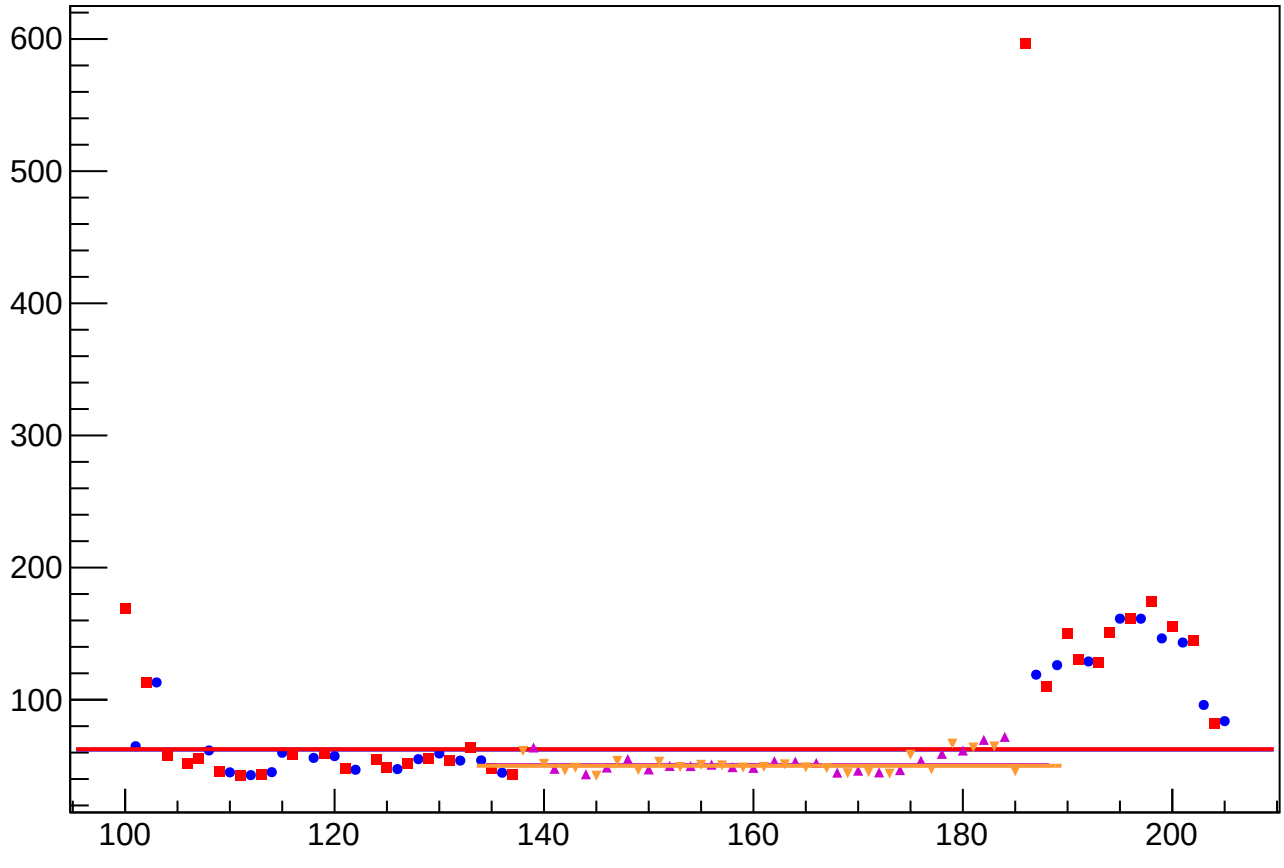
Left: 48.235+/-8.277 χ^2/NDF: 67.3/47

Right: 13.197+/-12.892 χ^2/NDF: 70.3/54

In: 34.045+/-10.004 χ^2/NDF:62.3/47

Out: 41.735+/-9.703 χ^2/NDF:80.3/54

All: 38.008+/-6.965 χ^2/NDF: 142.8/102



Right In: 62.294+/-0.013 χ^2/NDF: 4630754.8/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 62.548+/-0.013 χ^2/NDF: 6236627.8/29

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

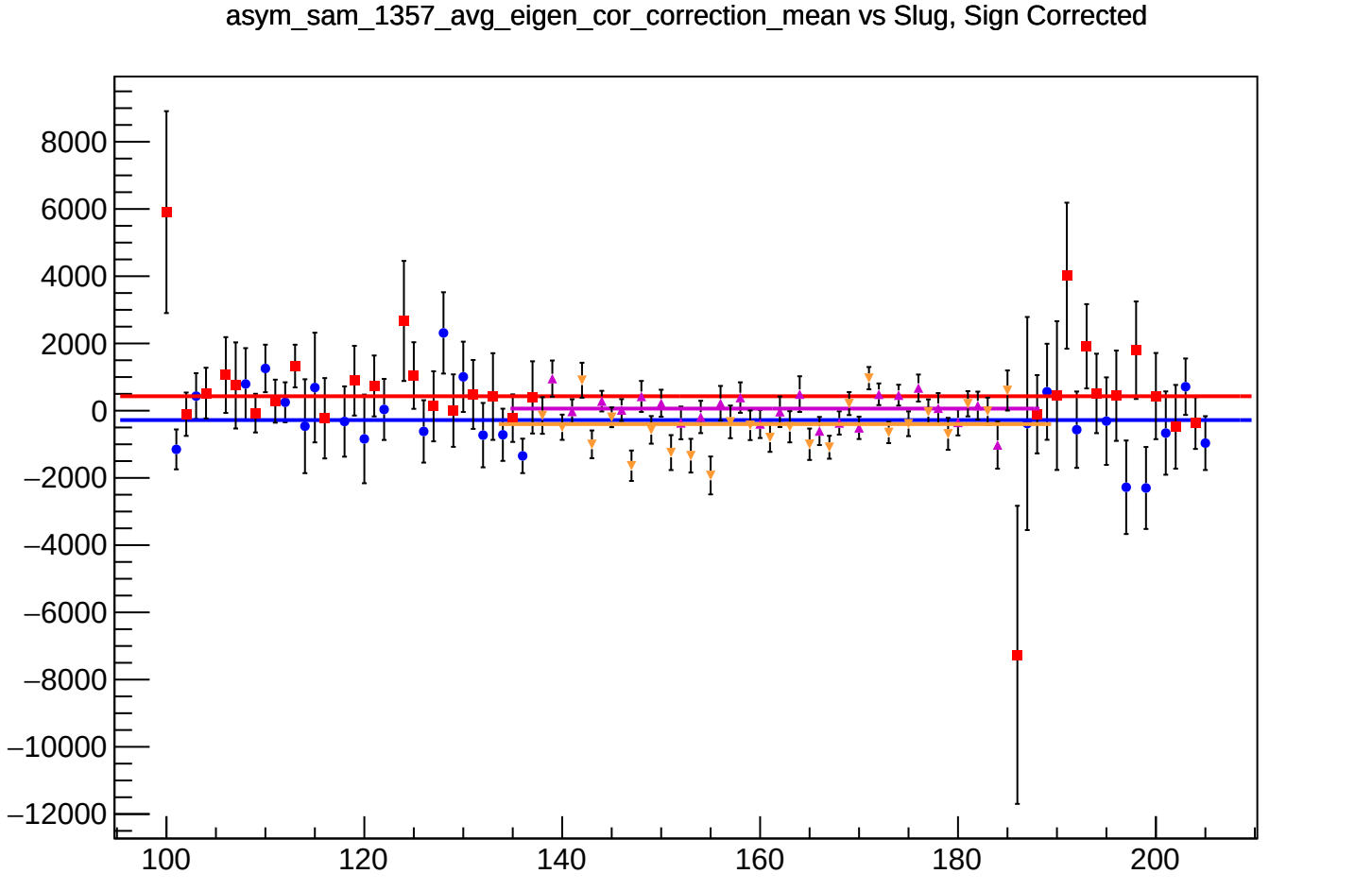
Left: 50.258+/-0.006 χ^2/NDF: 1014266.6/47

Right: 62.423+/-0.009 χ^2/NDF: 10867577.5/54

In: 54.007+/-0.007 χ^2/NDF:5712846.7/47

Out: 53.622+/-0.007 χ^2/NDF:7428603.9/54

All: 53.809+/-0.005 χ^2/NDF: 13142972.2/102



Right In: -279.272+/-181.427 χ^2/NDF: 29.0/24

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: 429.441+/-180.991 χ^2/NDF: 20.7/29

Left In: 62.038+/-83.892 χ^2/NDF:23.9/22

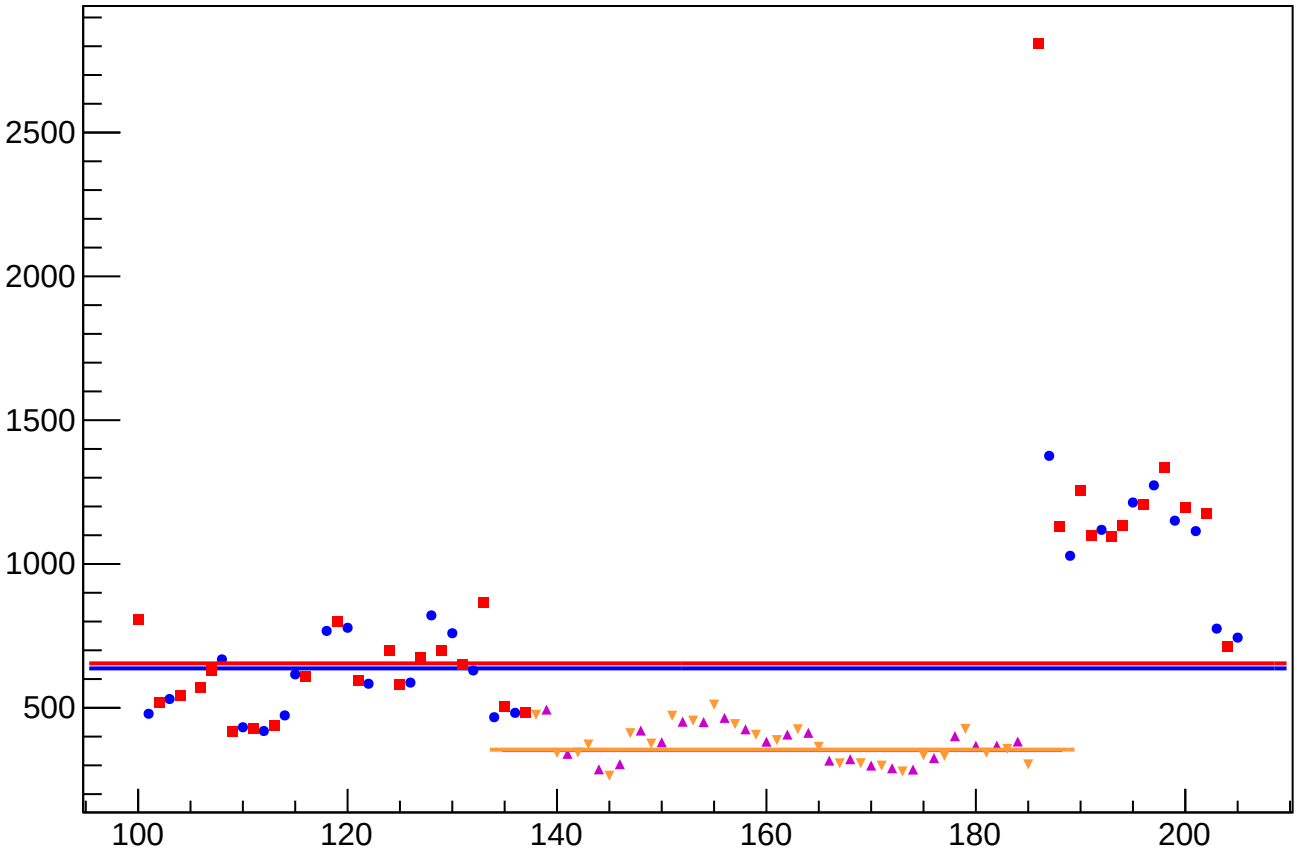
Left: -173.744+/-58.664 χ^2/NDF: 104.8/47

Right: 75.937+/-128.134 χ^2/NDF: 57.4/54

In: 1.915+/-76.146 χ^2/NDF:55.8/47

Out: -258.027+/-74.740 χ^2/NDF:103.5/54

All: -130.478+/-53.339 χ^2/NDF: 165.3/102



Right In: 637.046+/-0.128 χ^2/NDF: 3243938.5/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 654.533+/-0.128 χ^2/NDF: 4358875.5/29

Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

Left: 353.907+/-0.041 χ^2/NDF: 2149948.5/47

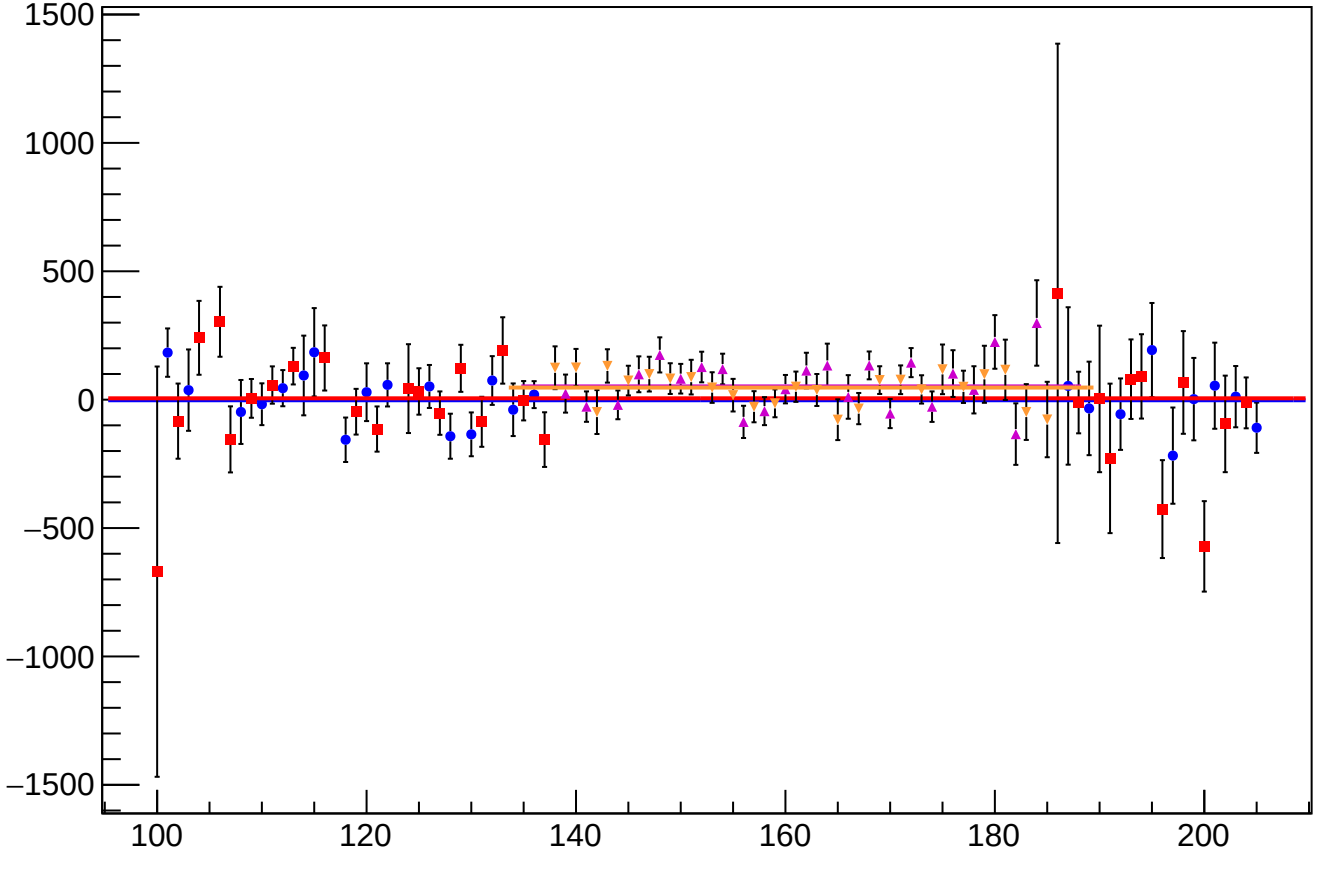
Right: 645.810+/-0.091 χ^2/NDF: 7612126.2/54

In: 403.126+/-0.054 χ^2/NDF:8283708.5/47

Out: 405.804+/-0.053 χ^2/NDF:10058037.2/54

All: 404.490+/-0.038 χ^2/NDF: 18343005.9/10

dit_asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: -2.219+/-20.504 χ^2/NDF: 20.2/24

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.297+/-20.773 χ^2/NDF: 42.5/29

Left In: 51.652+/-13.934 χ^2/NDF:38.2/22

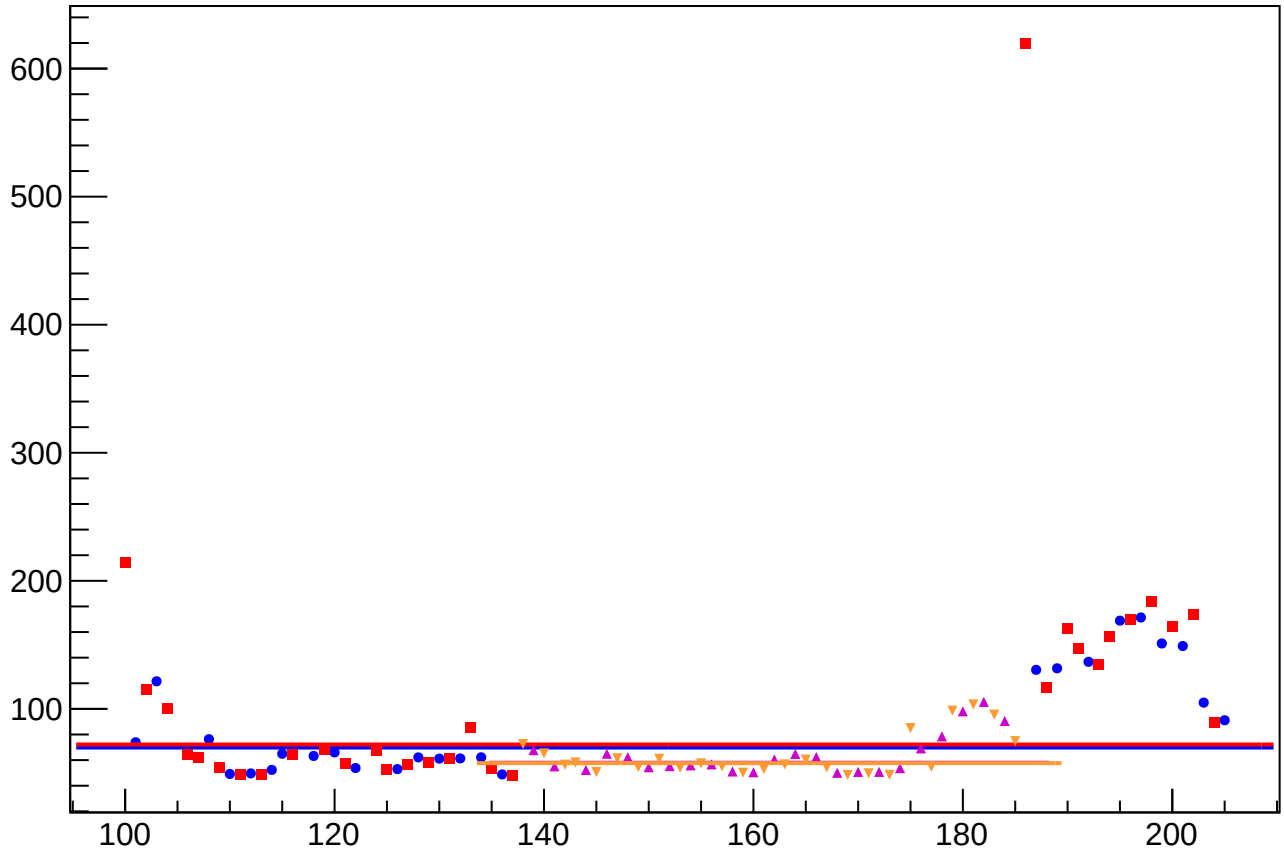
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 1.490+/-14.593 χ^2/NDF: 62.8/54

In: 34.634+/-11.524 χ^2/NDF:63.1/47

Out: 34.709+/-11.326 χ^2/NDF:62.3/54

All: 34.672+/-8.078 χ^2/NDF: 125.5/102



Right In: 69.820+/-0.014 χ^2/NDF: 4263920.8/24

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 72.175+/-0.015 χ^2/NDF: 5845895.2/29

Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

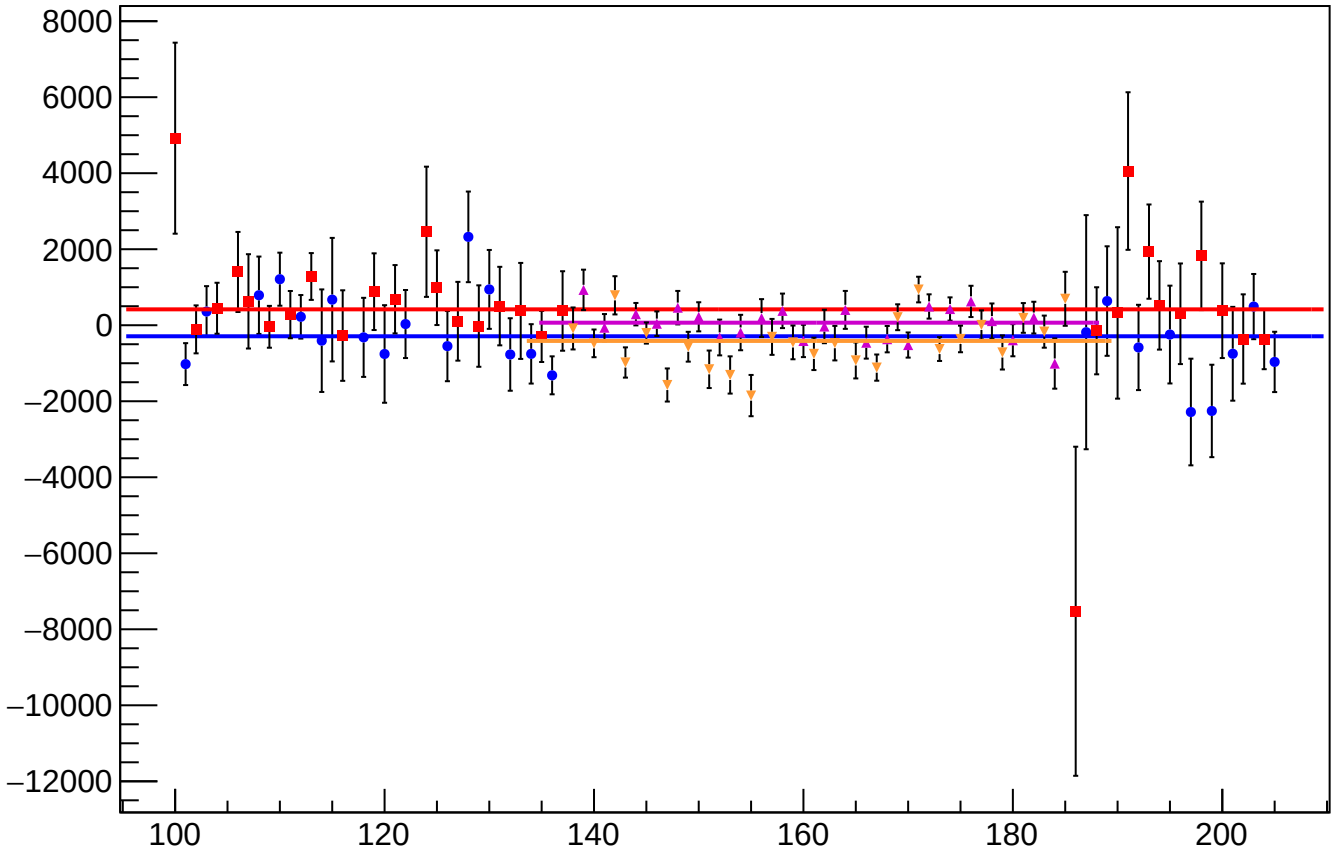
Left: 57.781+/-0.007 χ^2/NDF: 2490479.3/47

Right: 70.982+/-0.010 χ^2/NDF: 10122832.9/54

In: 61.693+/-0.008 χ^2/NDF:5847723.2/47

Out: 61.954+/-0.008 χ^2/NDF:7900244.5/54

All: 61.826+/-0.006 χ^2/NDF: 13748491.9/102



Right In: -290.554+/-177.826 χ^2/NDF: 27.8/24

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 417.990+/-175.480 χ^2/NDF: 22.0/29

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

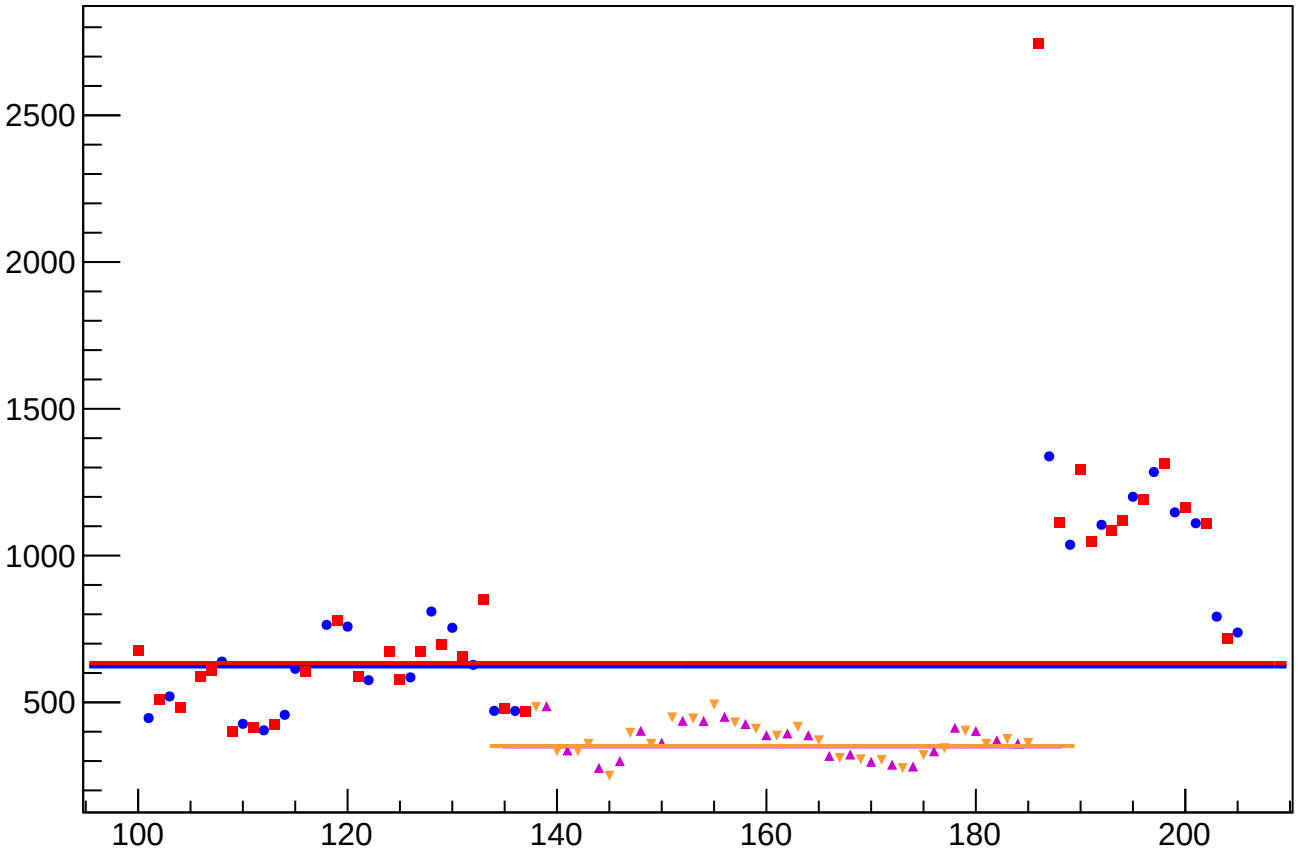
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 68.423+/-124.905 χ^2/NDF: 57.9/54

In: 2.638+/-75.272 χ^2/NDF:54.0/47

Out: -266.688+/-73.644 χ^2/NDF:101.8/54

All: -134.969+/-52.640 χ^2/NDF: 162.4/102



Right In: 622.263+/-0.126 χ^2/NDF: 3434477.1/24

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 634.178+/-0.124 χ^2/NDF: 4515761.0/29

Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

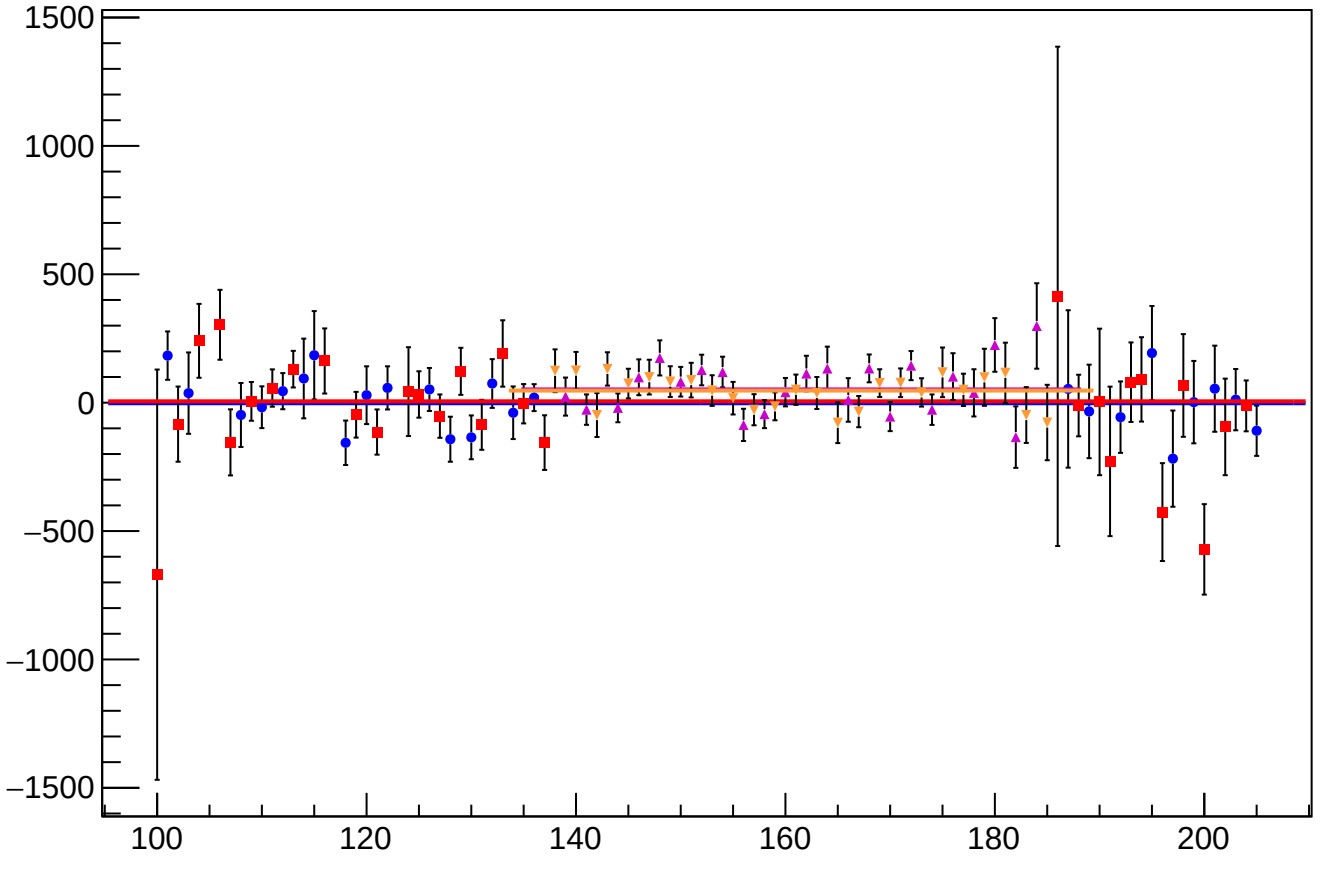
Left: 350.556+/-0.041 χ^2/NDF: 2108926.7/47

Right: 628.300+/-0.088 χ^2/NDF: 7954786.9/54

In: 398.629+/-0.053 χ^2/NDF:8278427.9/47

Out: 401.092+/-0.052 χ^2/NDF:9916969.7/54

All: 399.887+/-0.037 χ^2/NDF: 18196491.8/10



Right In: -2.219+/-20.505 χ^2/NDF: 20.2/24

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: 5.296+/-20.773 χ^2/NDF: 42.5/29

Left In: 51.651+/-13.934 χ^2/NDF:38.2/22

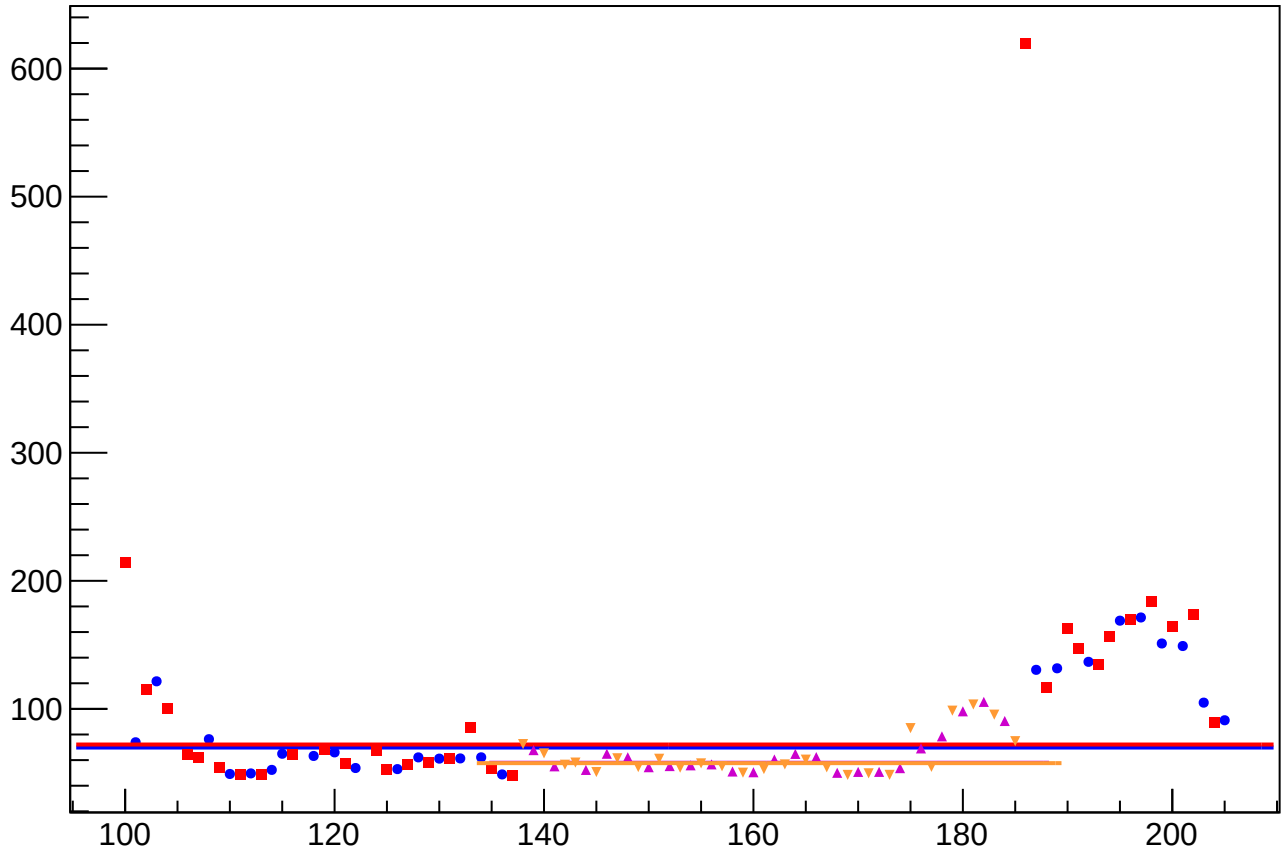
Left: 49.332+/-9.700 χ^2/NDF: 55.2/47

Right: 1.490+/-14.593 χ^2/NDF: 62.8/54

In: 34.634+/-11.525 χ^2/NDF:63.1/47

Out: 34.709+/-11.326 χ^2/NDF:62.3/54

All: 34.672+/-8.078 χ^2/NDF: 125.5/102



Right In: 69.820+/-0.014 χ^2/NDF: 4263903.3/24

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

Right Out: 72.175+/-0.015 χ^2/NDF: 5845886.0/29

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

Left: 57.781+/-0.007 χ^2/NDF: 2490460.5/47

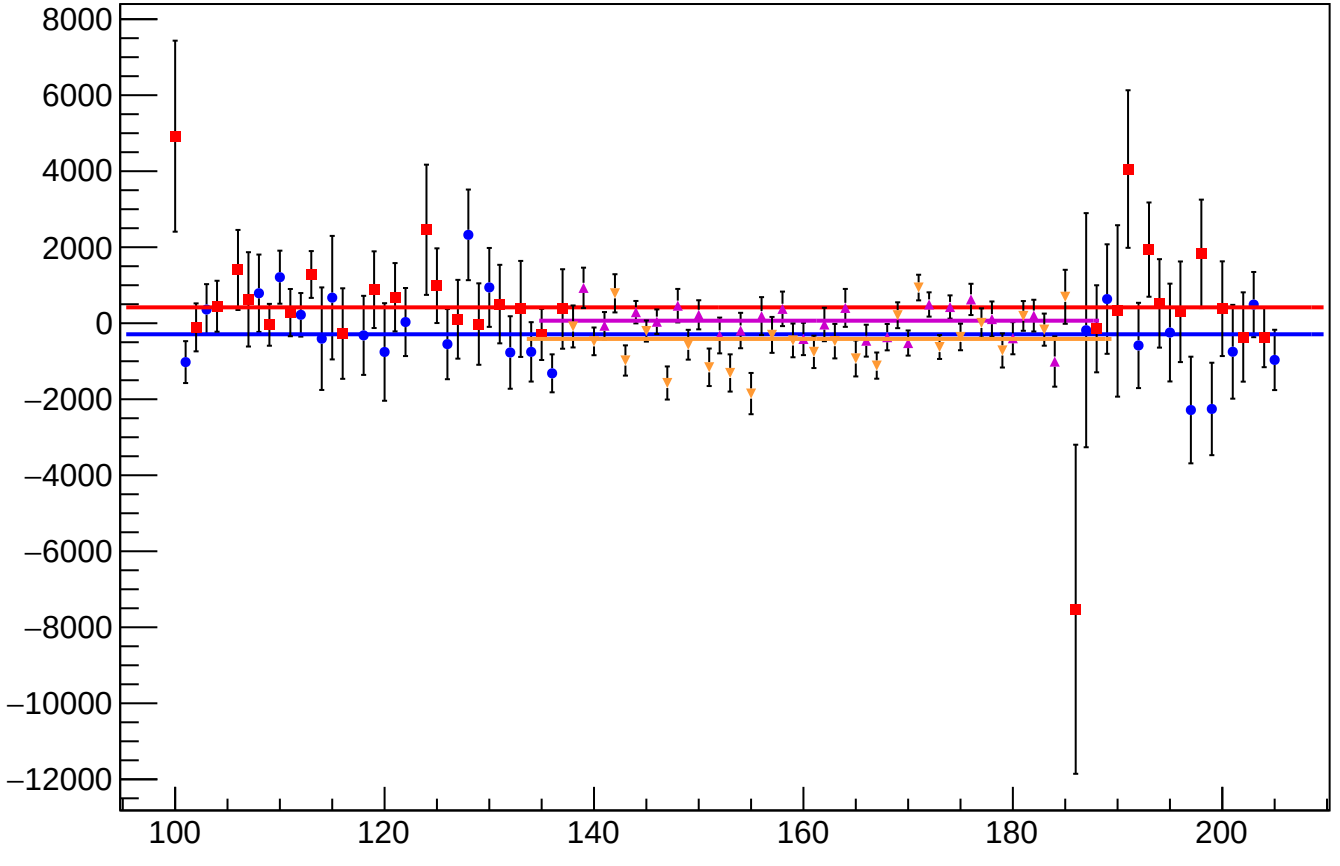
Right: 70.982+/-0.010 χ^2/NDF: 10122806.6/54

In: 61.693+/-0.008 χ^2/NDF:5847690.1/47

Out: 61.955+/-0.008 χ^2/NDF:7900232.8/54

All: 61.826+/-0.006 χ^2/NDF: 13748447.0/102

asym_sam_1357_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -290.553+/-177.826 χ^2/NDF: 27.8/24

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: 417.990+/-175.480 χ^2/NDF: 22.0/29

Left In: 66.637+/-83.082 χ^2/NDF:22.9/22

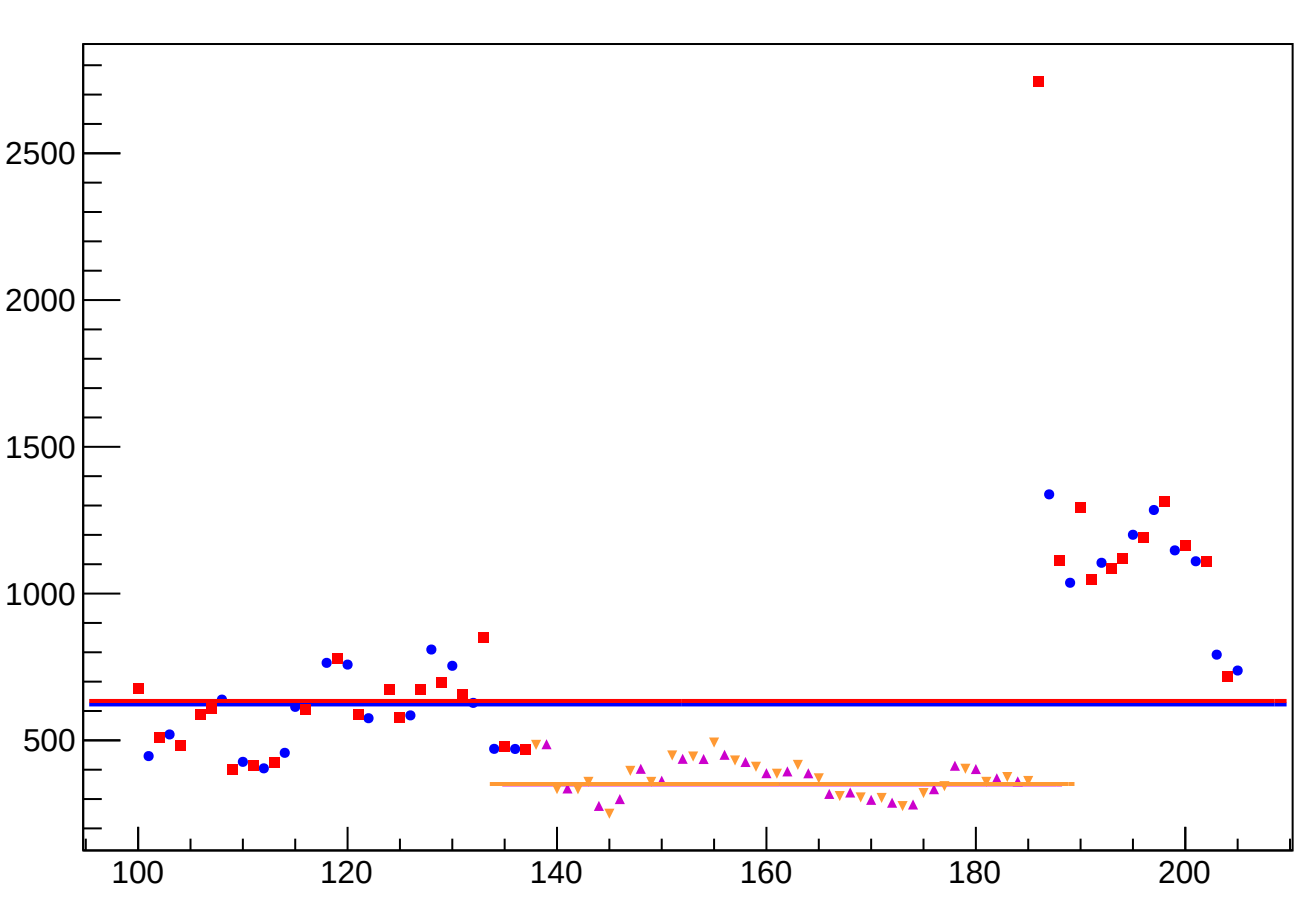
Left: -178.896+/-58.047 χ^2/NDF: 101.3/47

Right: 68.423+/-124.904 χ^2/NDF: 57.9/54

In: 2.638+/-75.272 χ^2/NDF:54.0/47

Out: -266.687+/-73.644 χ^2/NDF:101.8/54

All: -134.969+/-52.640 χ^2/NDF: 162.4/102



Right In: 622.262+/-0.126 χ^2/NDF: 3434485.5/24

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 634.177+/-0.124 χ^2/NDF: 4515766.2/29

Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

Left: 350.555+/-0.041 χ^2/NDF: 2108915.4/47

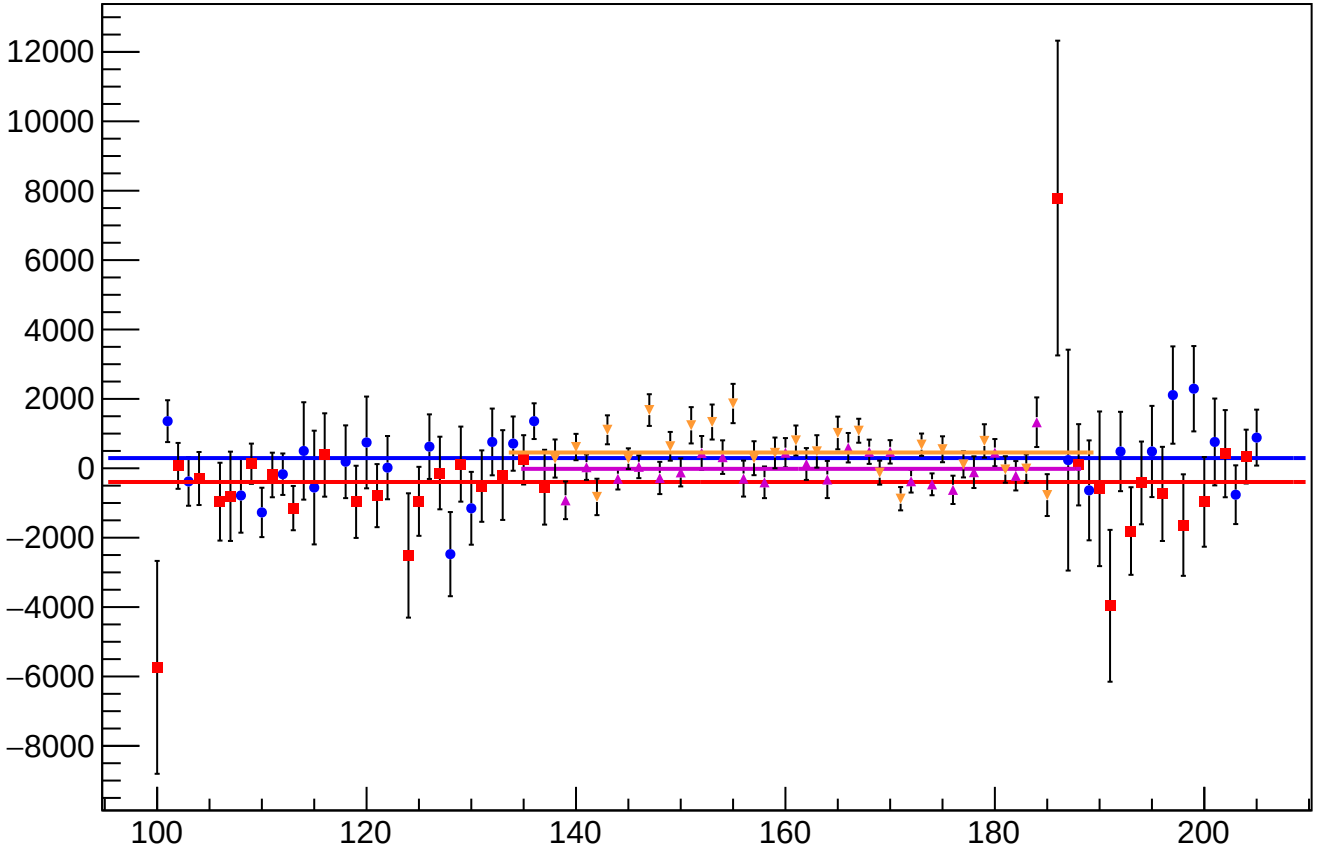
Right: 628.299+/-0.088 χ^2/NDF: 7954800.5/54

In: 398.628+/-0.053 χ^2/NDF:8278413.4/47

Out: 401.091+/-0.052 χ^2/NDF:9916957.9/54

All: 399.887+/-0.037 χ^2/NDF: 18196465.4/10

asym_sam_1357_avg_mean vs Slug, Sign Corrected



Right In: 294.285+/-182.897 χ^2/NDF: 30.0/24

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: -394.806+/-182.322 χ^2/NDF: 19.6/29

Left In: -16.073+/-84.830 χ^2/NDF:24.9/22

Left: 224.832+/-59.312 χ^2/NDF: 101.5/47

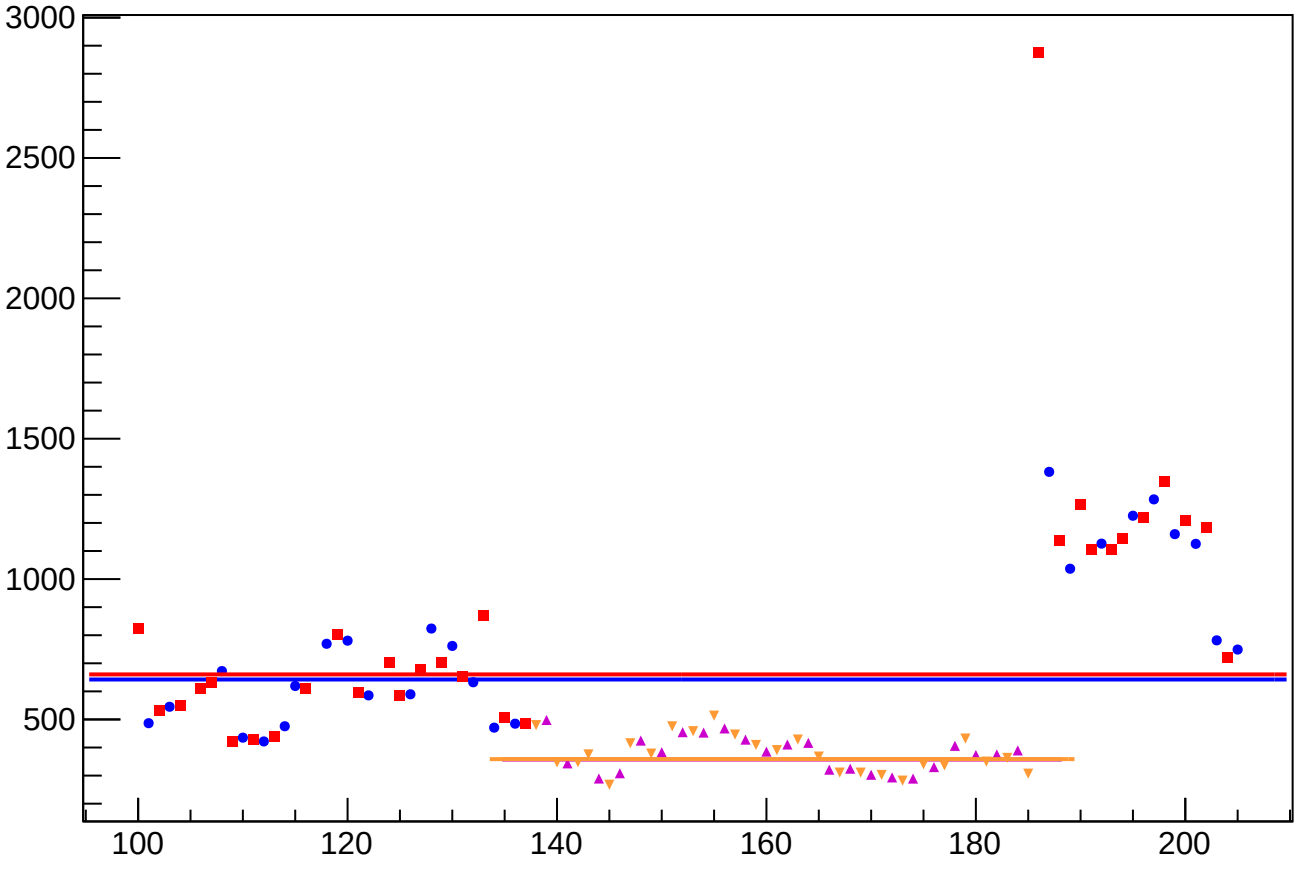
Right: -51.346+/-129.124 χ^2/NDF: 56.8/54

In: 38.873+/-76.956 χ^2/NDF:57.3/47

Out: 309.426+/-75.511 χ^2/NDF:98.5/54

All: 176.713+/-53.898 χ^2/NDF: 162.0/102

asym_sam_1357_avg_rms vs Slug, Sign Corrected



Right In: 642.308+/-0.129 χ^2/NDF: 3234163.3/24

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

Right Out: 660.431+/-0.129 χ^2/NDF: 4351878.5/29

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

Left: 357.946+/-0.042 χ^2/NDF: 2101494.2/47

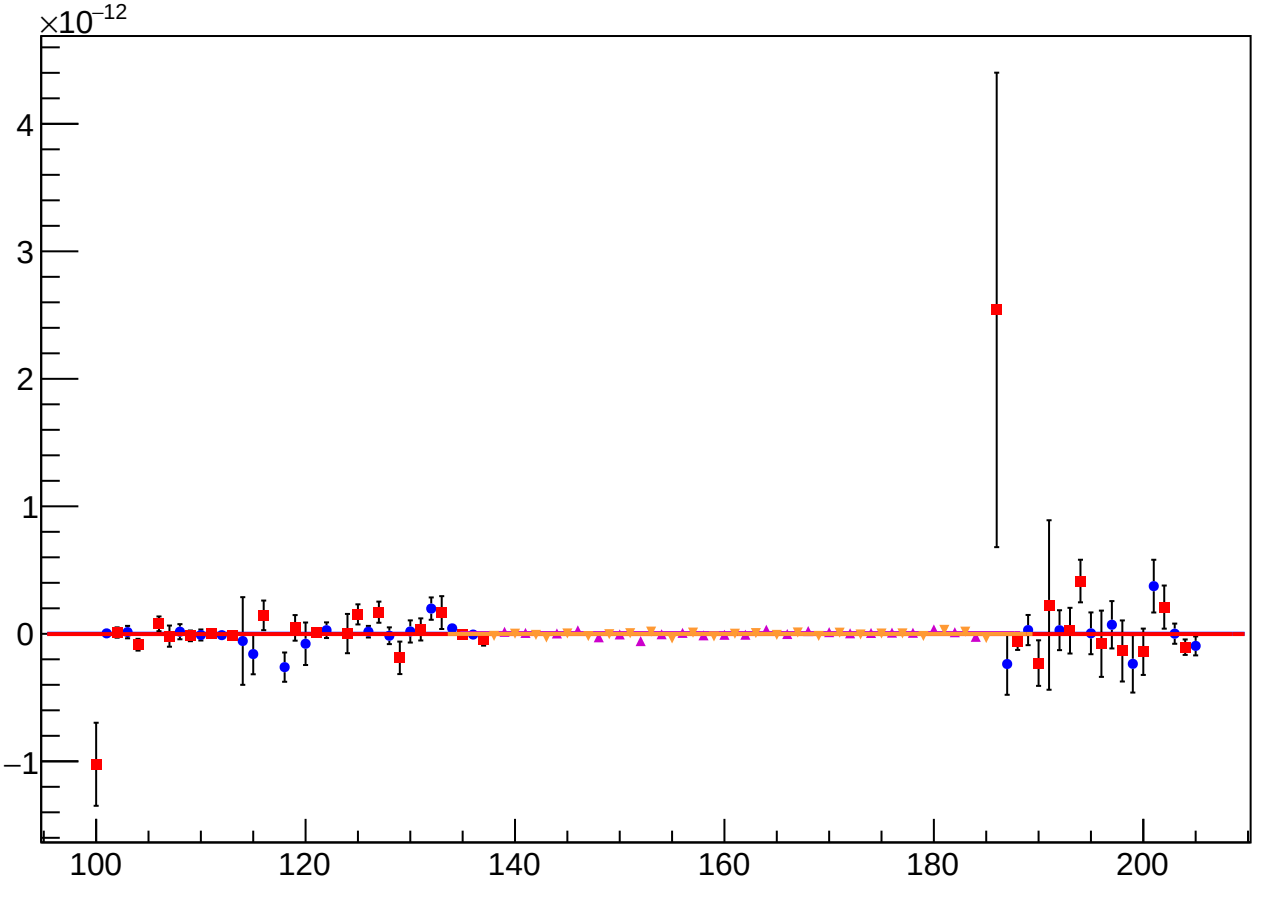
Right: 651.398+/-0.091 χ^2/NDF: 7595891.3/54

In: 407.661+/-0.054 χ^2/NDF:8215897.7/47

Out: 410.437+/-0.053 χ^2/NDF:10010163.6/54

All: 409.075+/-0.038 χ^2/NDF: 18227387.3/10

asym_sam_1357_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/29

Left In: 0.000+/-0.000 χ^2/NDF:28.5/22

Left: 0.000+/-0.000 χ^2/NDF: 49.2/47

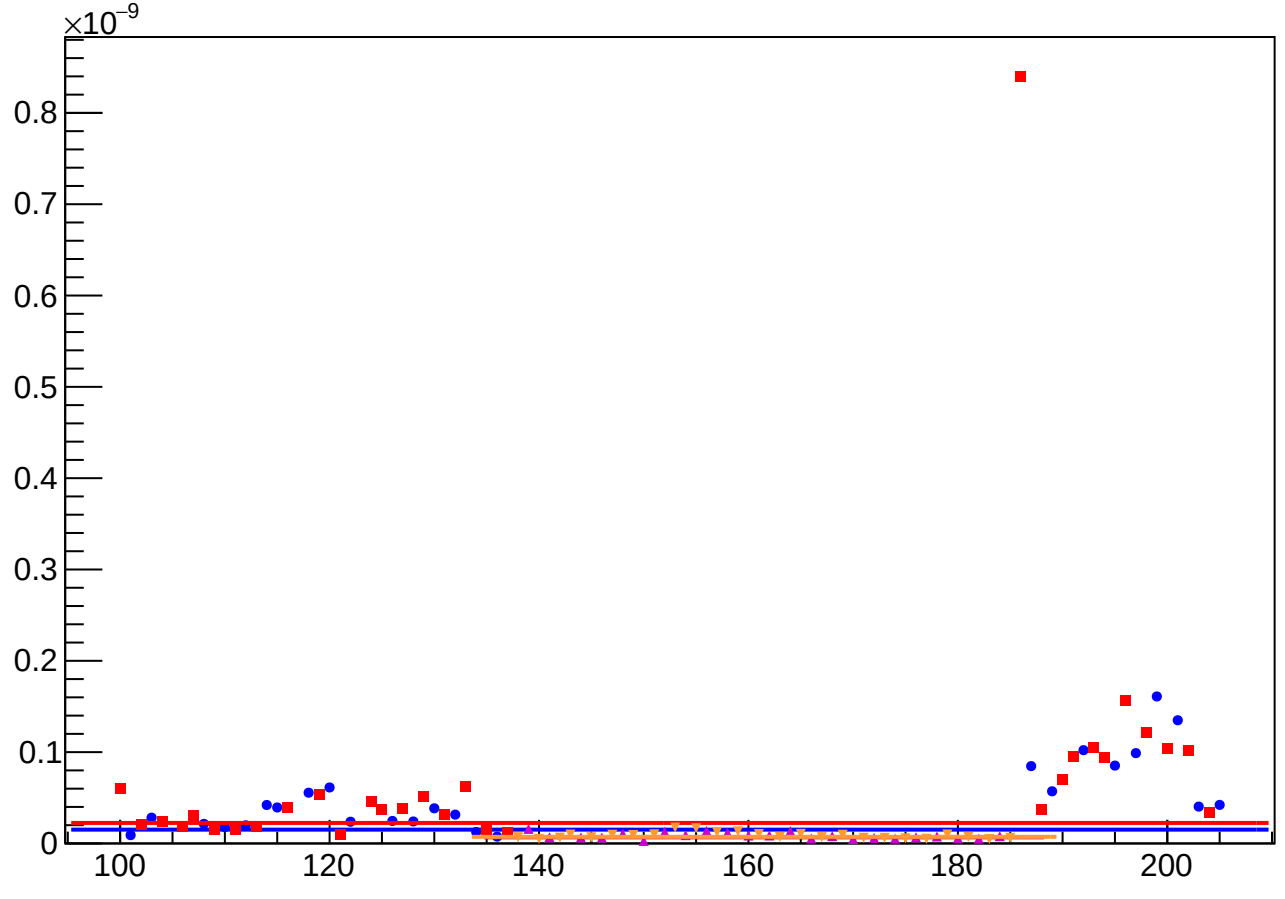
Right: -0.000+/-0.000 χ^2/NDF: 67.1/54

In: 0.000+/-0.000 χ^2/NDF:49.6/47

Out: -0.000+/-0.000 χ^2/NDF:64.4/54

All: 0.000+/-0.000 χ^2/NDF: 116.4/102

asym_sam_1357_avg_reg_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 5665659.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4736869.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

Left: 0.000+/-0.000 χ^2/NDF: 3229339.0/47

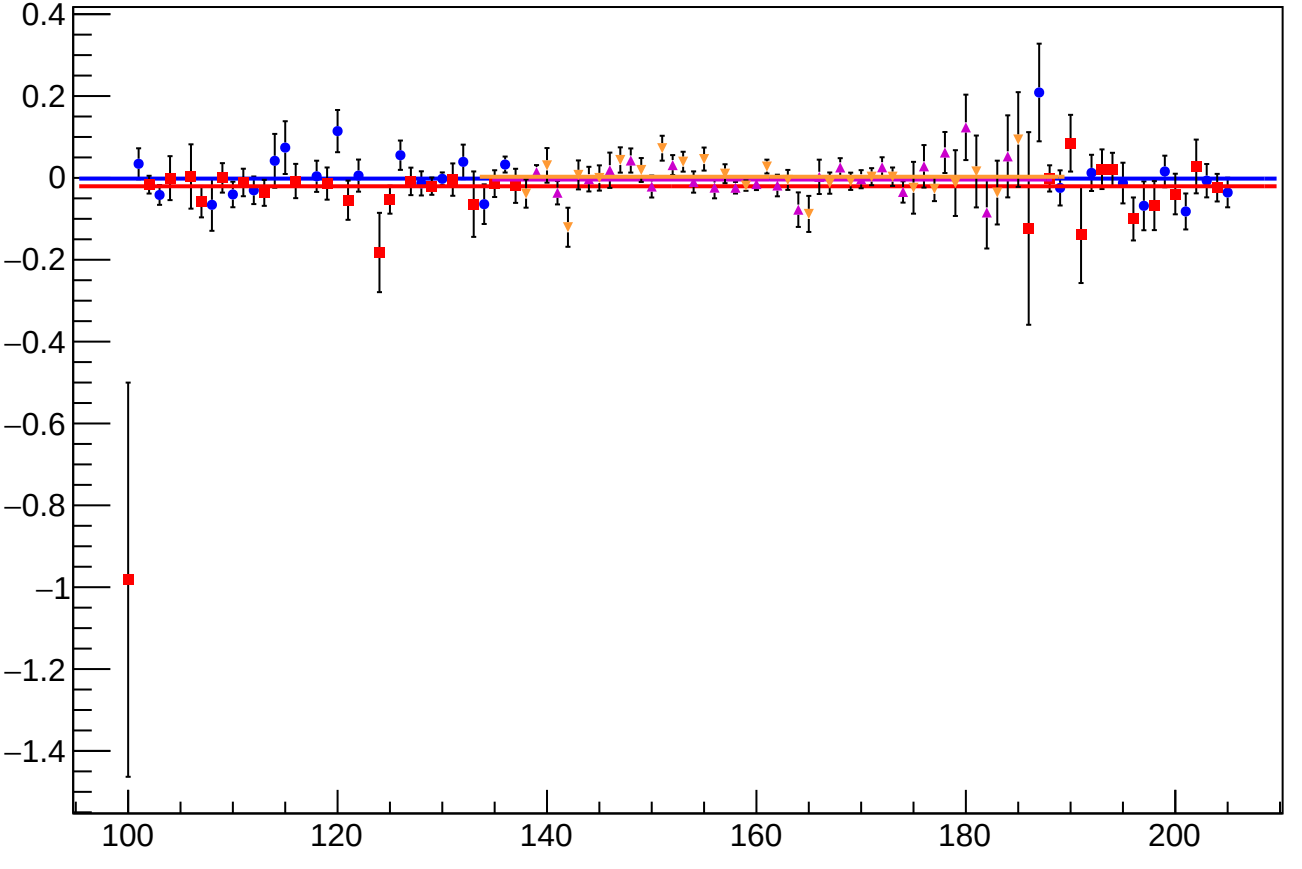
Right: 0.000+/-0.000 χ^2/NDF: 10911770.1/54

In: 0.000+/-0.000 χ^2/NDF:9074043.4/47

Out: 0.000+/-0.000 χ^2/NDF:9447218.4/54

All: 0.000+/-0.000 χ^2/NDF: 18585051.6/102

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

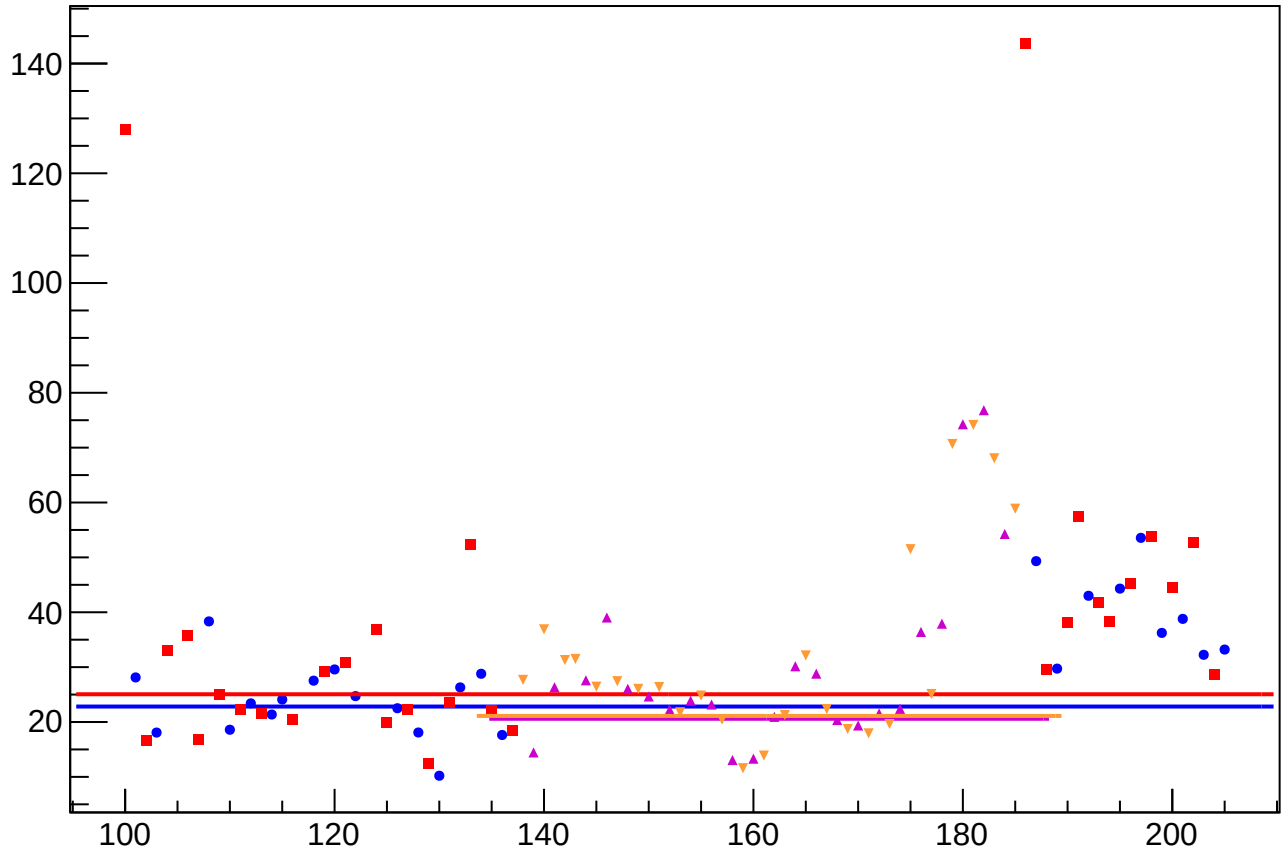
Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

Right: -0.011+/-0.005 χ^2/NDF: 54.9/54

In: -0.003+/-0.004 χ^2/NDF:56.2/47

Out: -0.005+/-0.004 χ^2/NDF:59.2/54

All: -0.004+/-0.003 χ^2/NDF: 115.5/102



Right In: 22.820+/-0.005 χ^2/NDF: 4141229.2/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.059+/-0.005 χ^2/NDF: 4449722.1/29

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

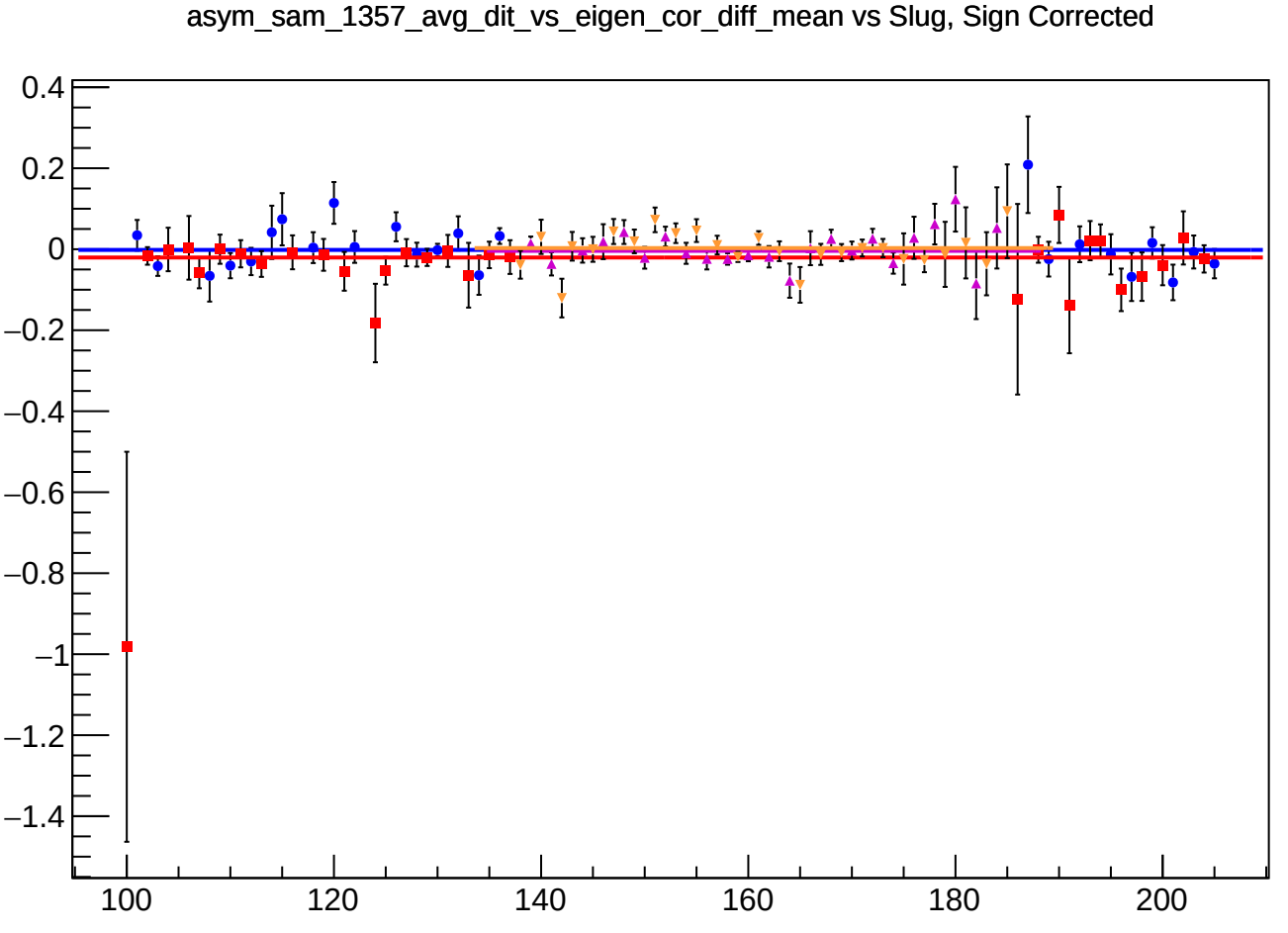
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 23.872+/-0.004 χ^2/NDF: 8688971.4/54

In: 21.439+/-0.003 χ^2/NDF:8868586.9/47

Out: 22.508+/-0.003 χ^2/NDF:10368017.5/54

All: 21.960+/-0.002 χ^2/NDF: 19297509.0/102



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

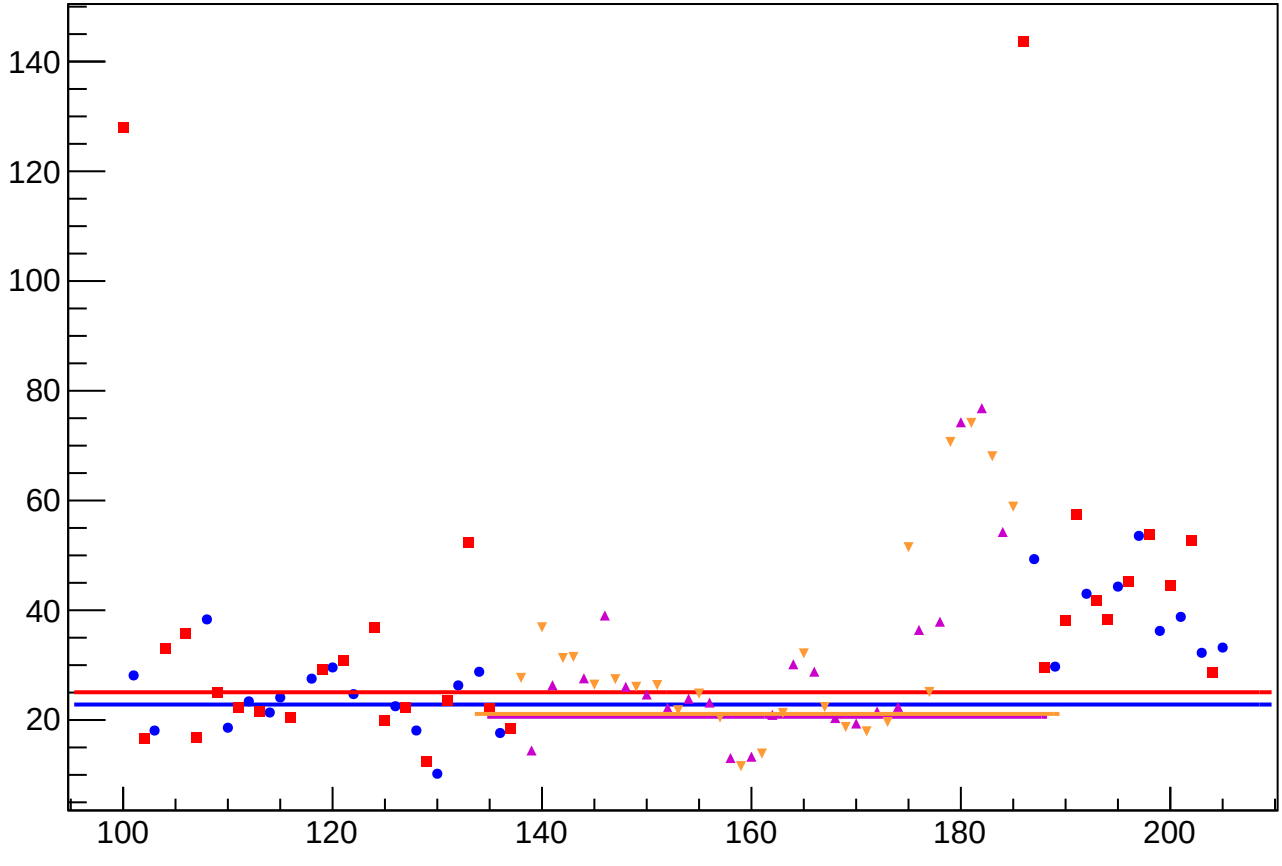
Right: -0.011+/-0.005 χ^2/NDF: 54.9/54

In: -0.003+/-0.004 χ^2/NDF:56.2/47

Out: -0.005+/-0.004 χ^2/NDF:59.2/54

All: -0.004+/-0.003 χ^2/NDF: 115.5/102

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.820+/-0.005 χ^2/NDF: 4141229.2/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

Right Out: 25.059+/-0.005 χ^2/NDF: 4449722.1/29

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

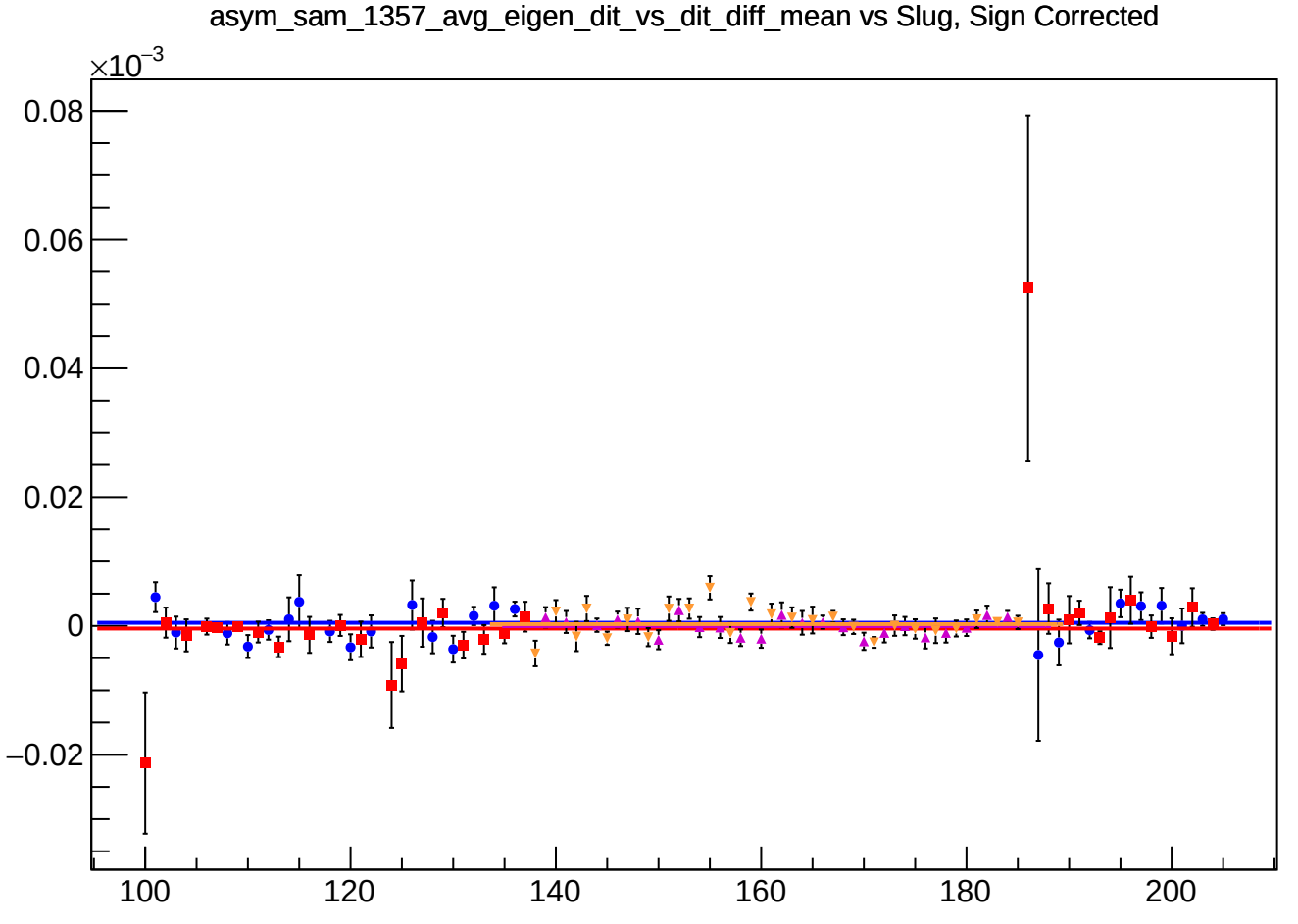
Left: 20.849+/-0.003 χ^2/NDF: 10155046.5/47

Right: 23.872+/-0.004 χ^2/NDF: 8688971.4/54

In: 21.439+/-0.003 χ^2/NDF:8868586.9/47

Out: 22.508+/-0.003 χ^2/NDF:10368017.5/54

All: 21.960+/-0.002 χ^2/NDF: 19297509.0/102



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.8/29

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

Left: 0.000+/-0.000 χ^2/NDF: 73.0/47

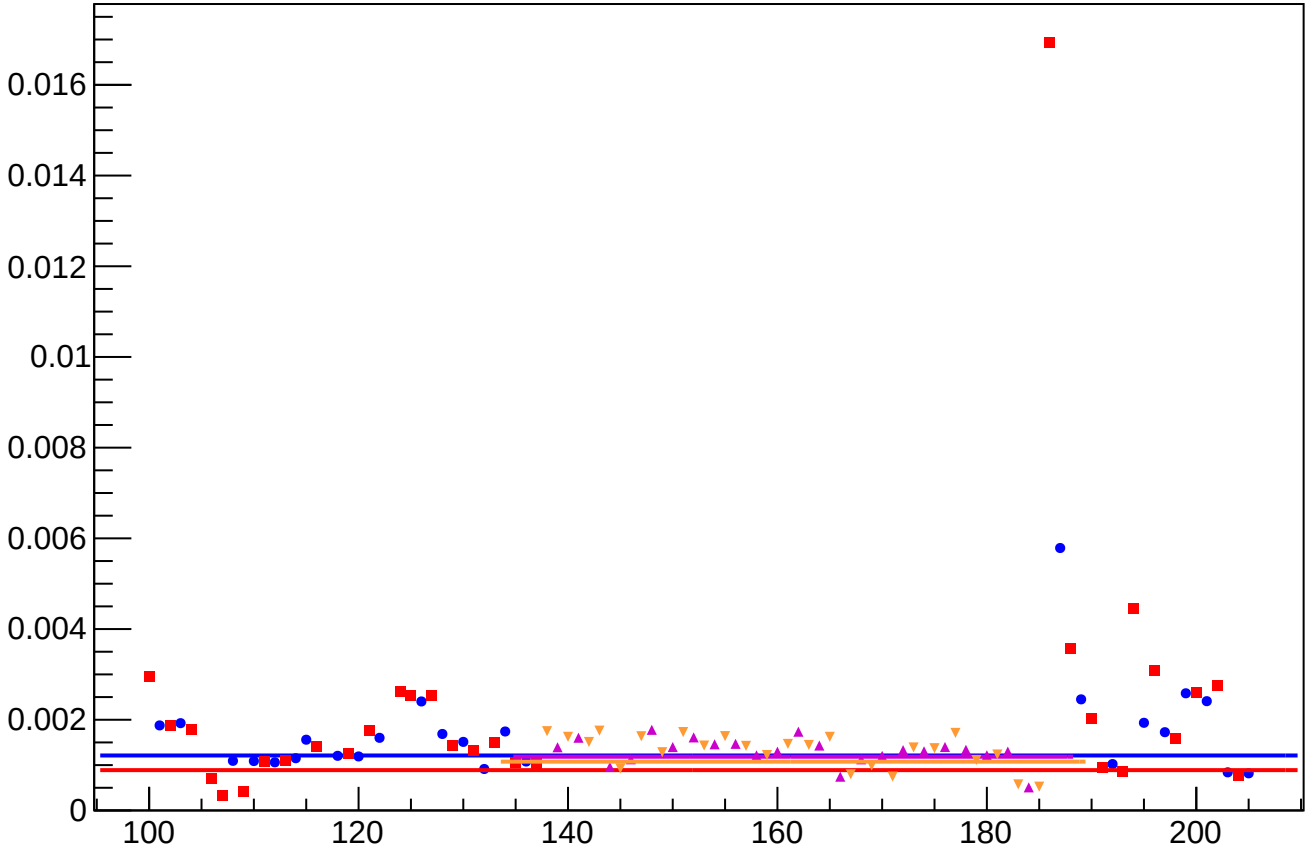
Right: -0.000+/-0.000 χ^2/NDF: 62.5/54

In: 0.000+/-0.000 χ^2/NDF:52.0/47

Out: -0.000+/-0.000 χ^2/NDF:83.5/54

All: 0.000+/-0.000 χ^2/NDF: 136.0/102

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 3327235.4/24

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10585180.7/29

Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

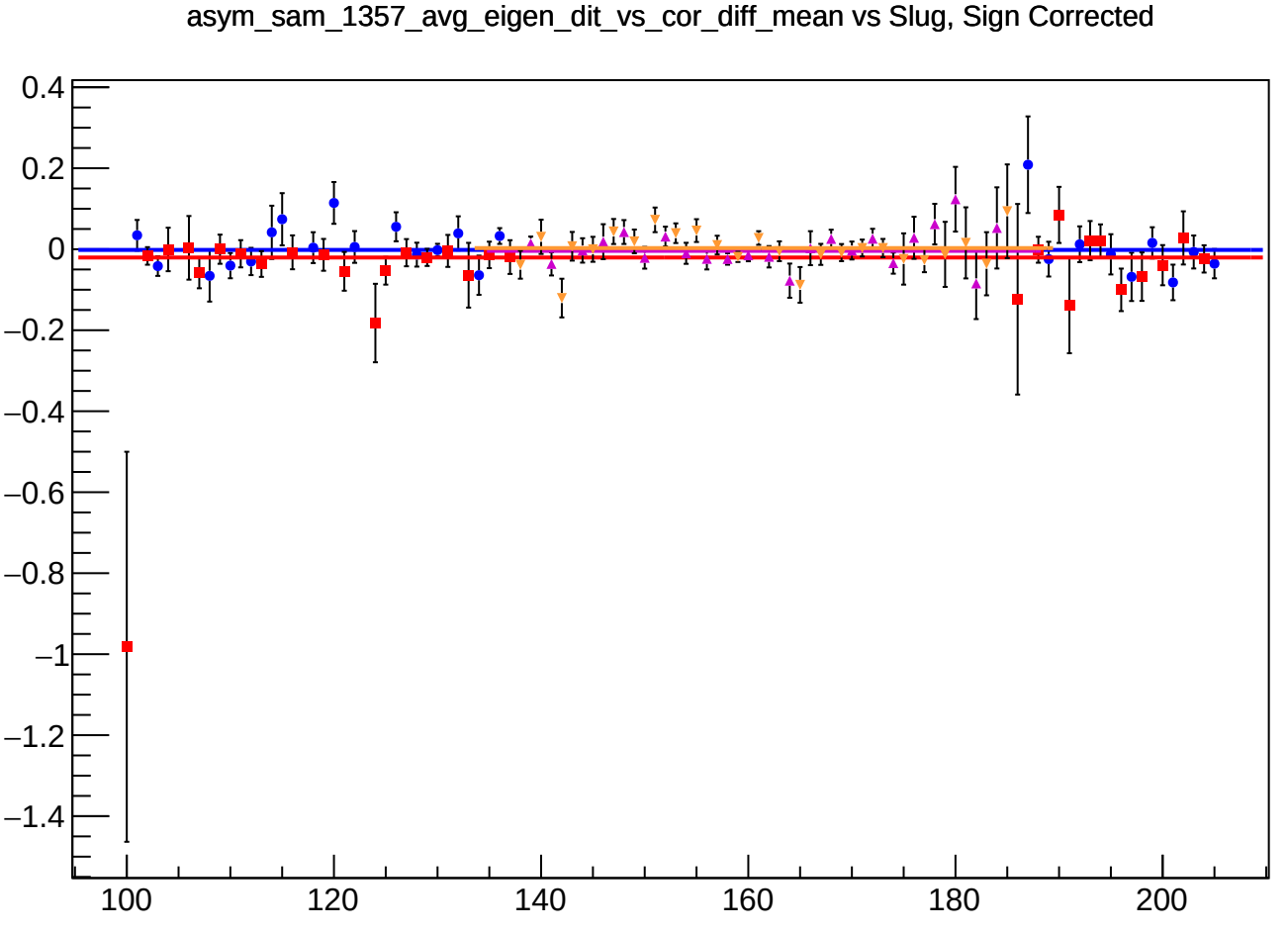
Left: 0.001+/-0.000 χ^2/NDF: 7155644.5/47

Right: 0.001+/-0.000 χ^2/NDF: 14901989.6/54

In: 0.001+/-0.000 χ^2/NDF:5790933.4/47

Out: 0.001+/-0.000 χ^2/NDF:15594008.6/54

All: 0.001+/-0.000 χ^2/NDF: 22332968.3/102



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

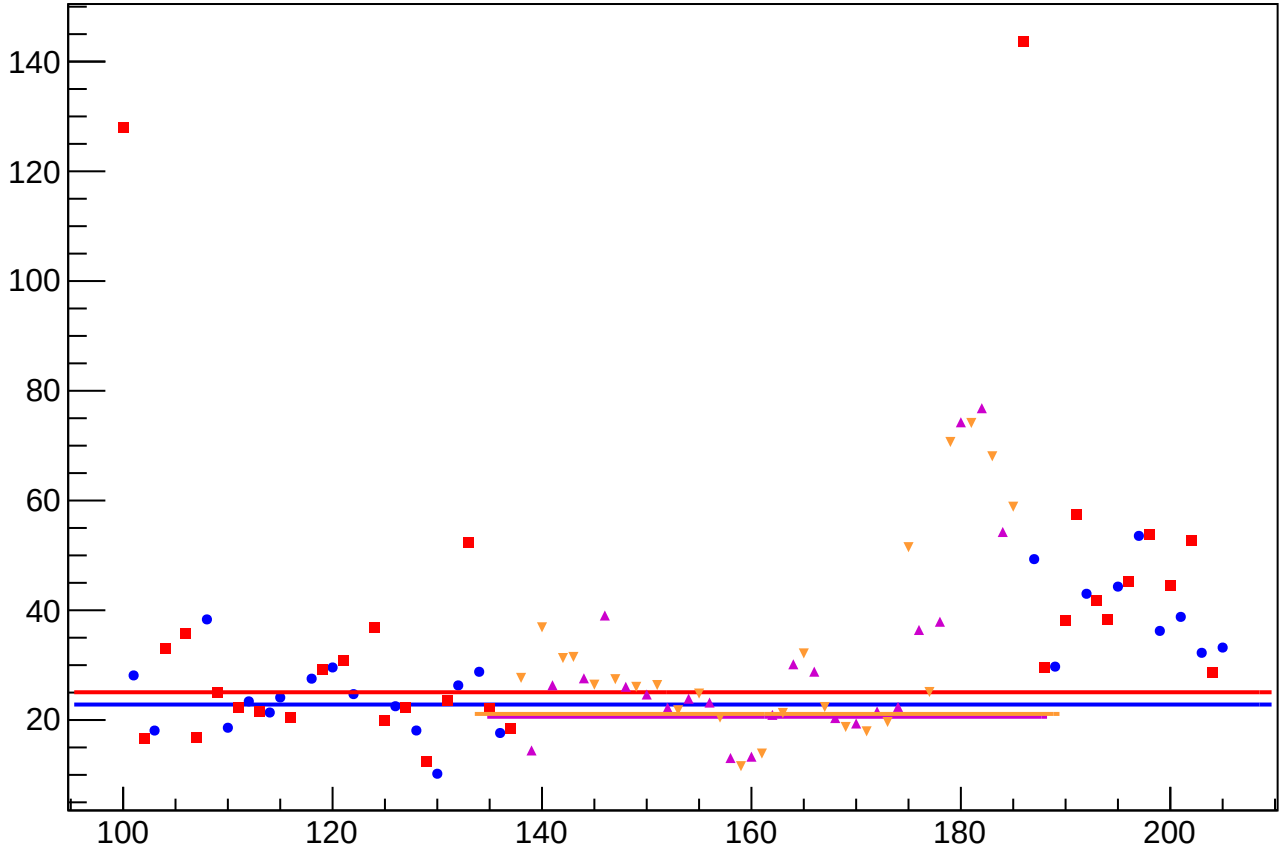
Right: -0.011+/-0.005 χ^2/NDF: 54.9/54

In: -0.003+/-0.004 χ^2/NDF:56.2/47

Out: -0.005+/-0.004 χ^2/NDF:59.2/54

All: -0.004+/-0.003 χ^2/NDF: 115.5/102

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.820+/-0.005 χ^2/NDF: 4140991.6/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.059+/-0.005 χ^2/NDF: 4449703.2/29

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

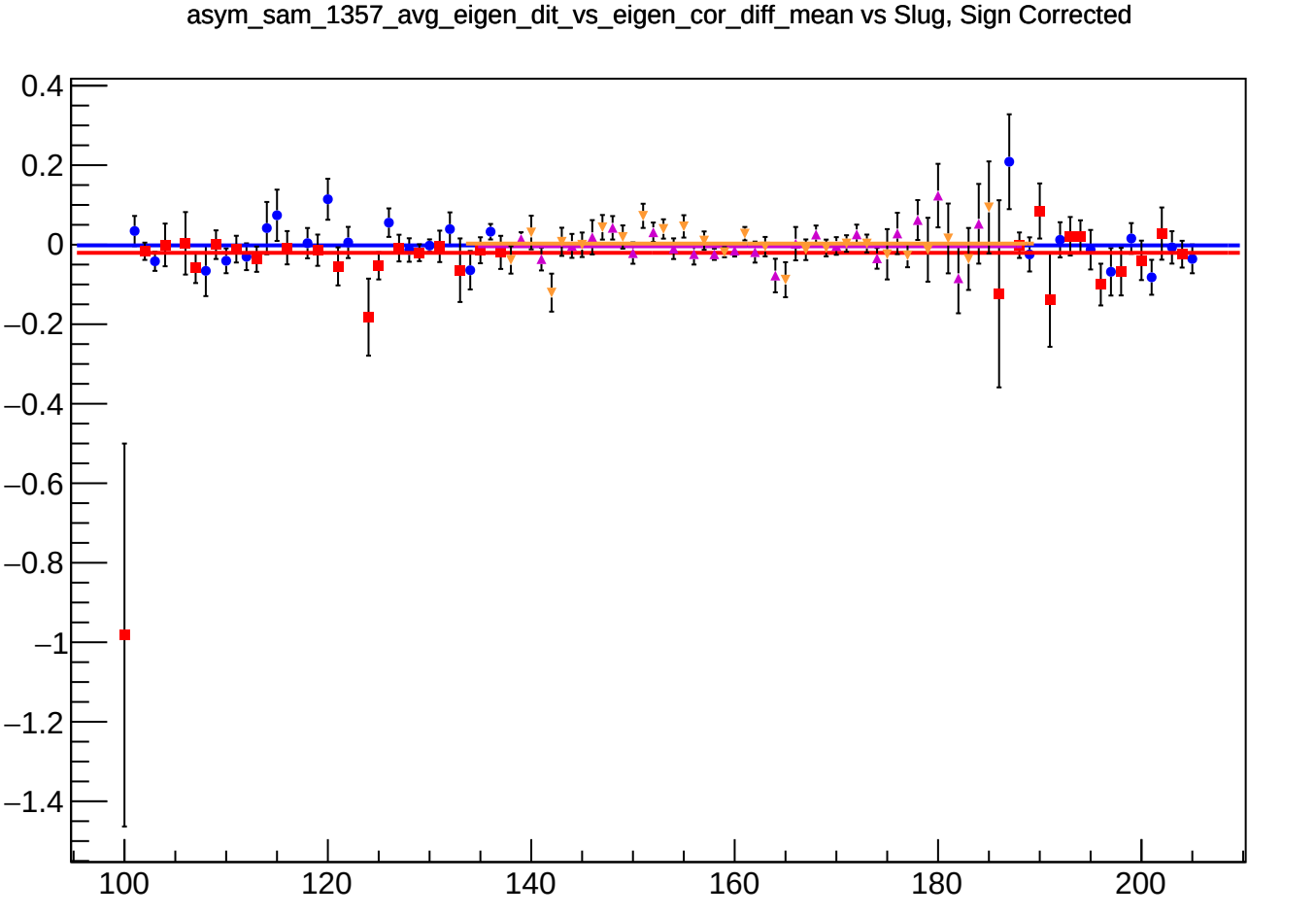
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 23.873+/-0.004 χ^2/NDF: 8688695.5/54

In: 21.439+/-0.003 χ^2/NDF:8868372.7/47

Out: 22.508+/-0.003 χ^2/NDF:10368162.6/54

All: 21.961+/-0.002 χ^2/NDF: 19297417.1/102



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.020+/-0.007 χ^2/NDF: 20.0/29

Left In: -0.004+/-0.005 χ^2/NDF:24.6/22

Left: -0.001+/-0.004 χ^2/NDF: 58.2/47

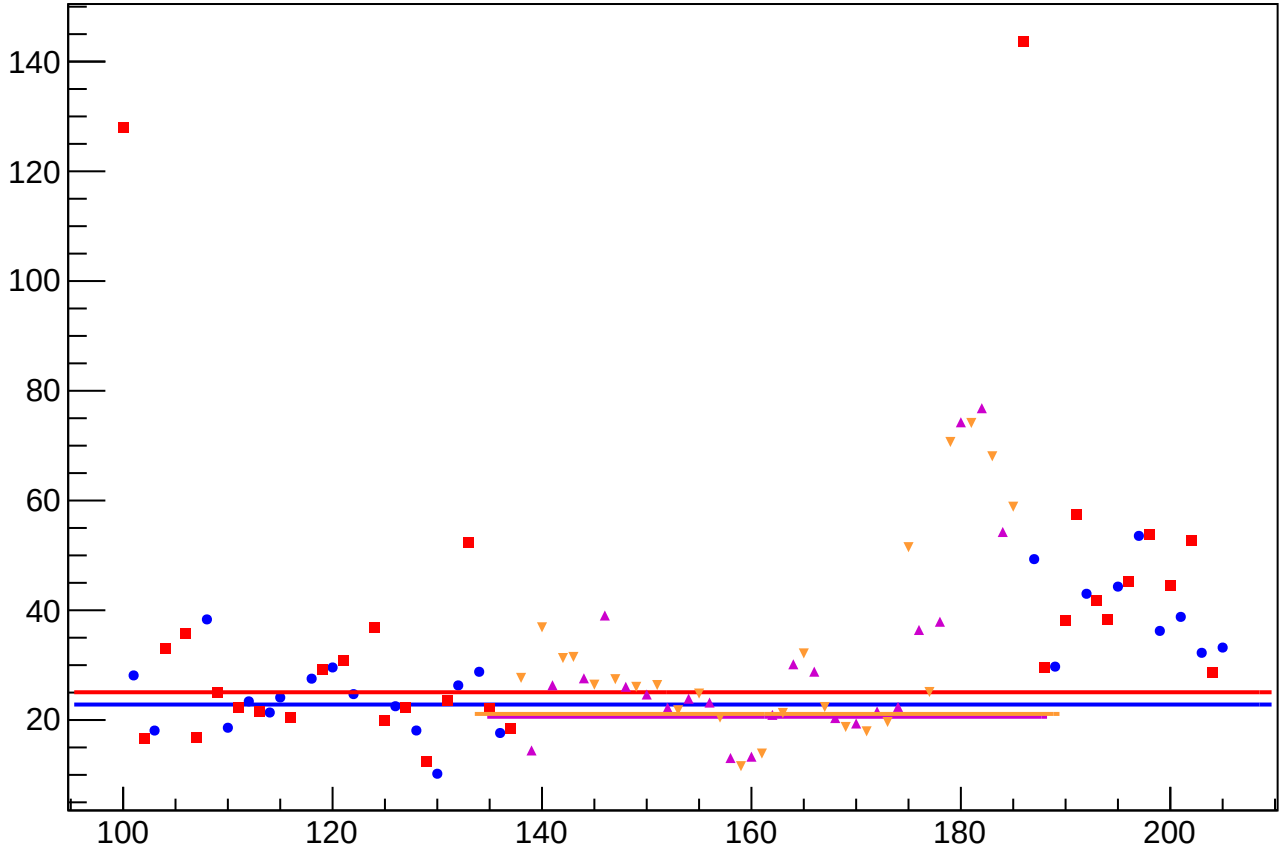
Right: -0.011+/-0.005 χ^2/NDF: 54.9/54

In: -0.003+/-0.004 χ^2/NDF:56.2/47

Out: -0.005+/-0.004 χ^2/NDF:59.2/54

All: -0.004+/-0.003 χ^2/NDF: 115.5/102

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 22.820+/-0.005 χ^2/NDF: 4140991.6/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.059+/-0.005 χ^2/NDF: 4449703.2/29

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

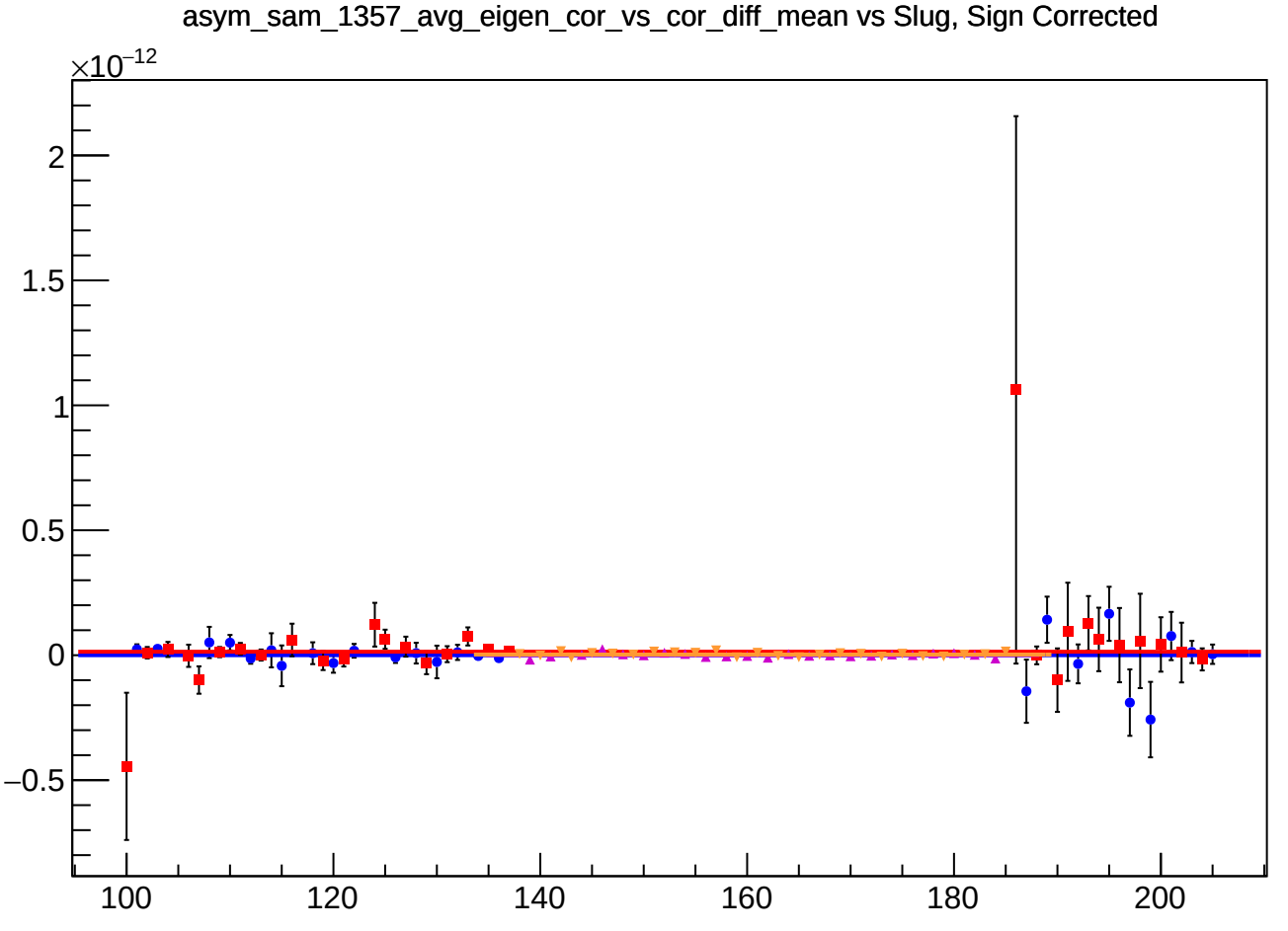
Left: 20.849+/-0.003 χ^2/NDF: 10155178.1/47

Right: 23.873+/-0.004 χ^2/NDF: 8688695.5/54

In: 21.439+/-0.003 χ^2/NDF:8868372.7/47

Out: 22.508+/-0.003 χ^2/NDF:10368162.6/54

All: 21.961+/-0.002 χ^2/NDF: 19297417.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.6/29

Left In: 0.000+/-0.000 χ^2/NDF:21.4/22

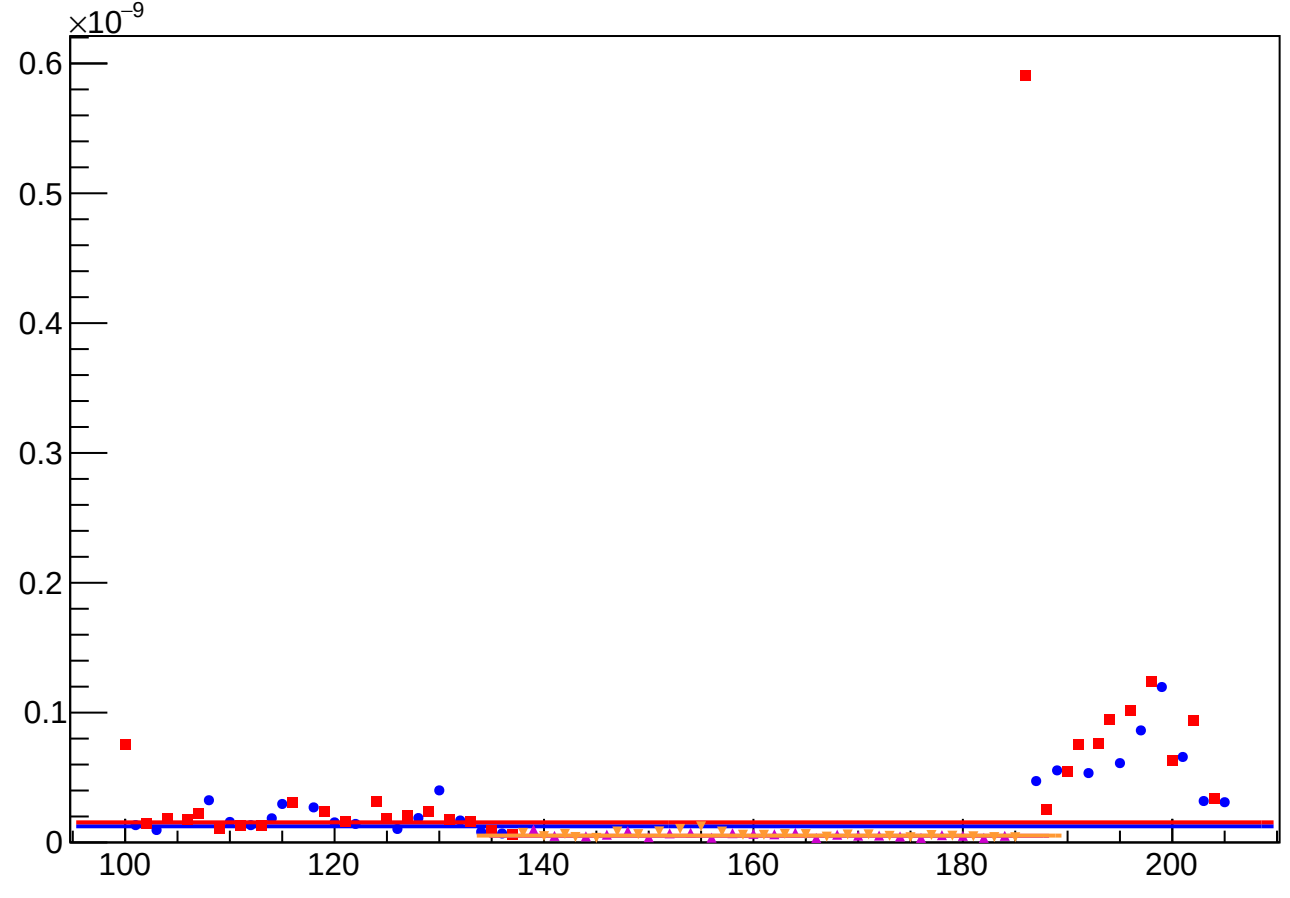
Left: 0.000+/-0.000 χ^2/NDF: 42.7/47

Right: 0.000+/-0.000 χ^2/NDF: 46.7/54

In: 0.000+/-0.000 χ^2/NDF:43.8/47

Out: 0.000+/-0.000 χ^2/NDF:45.3/54

All: 0.000+/-0.000 χ^2/NDF: 90.5/102



Right In: 0.000+/-0.000 χ^2/NDF: 6651840.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6995352.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

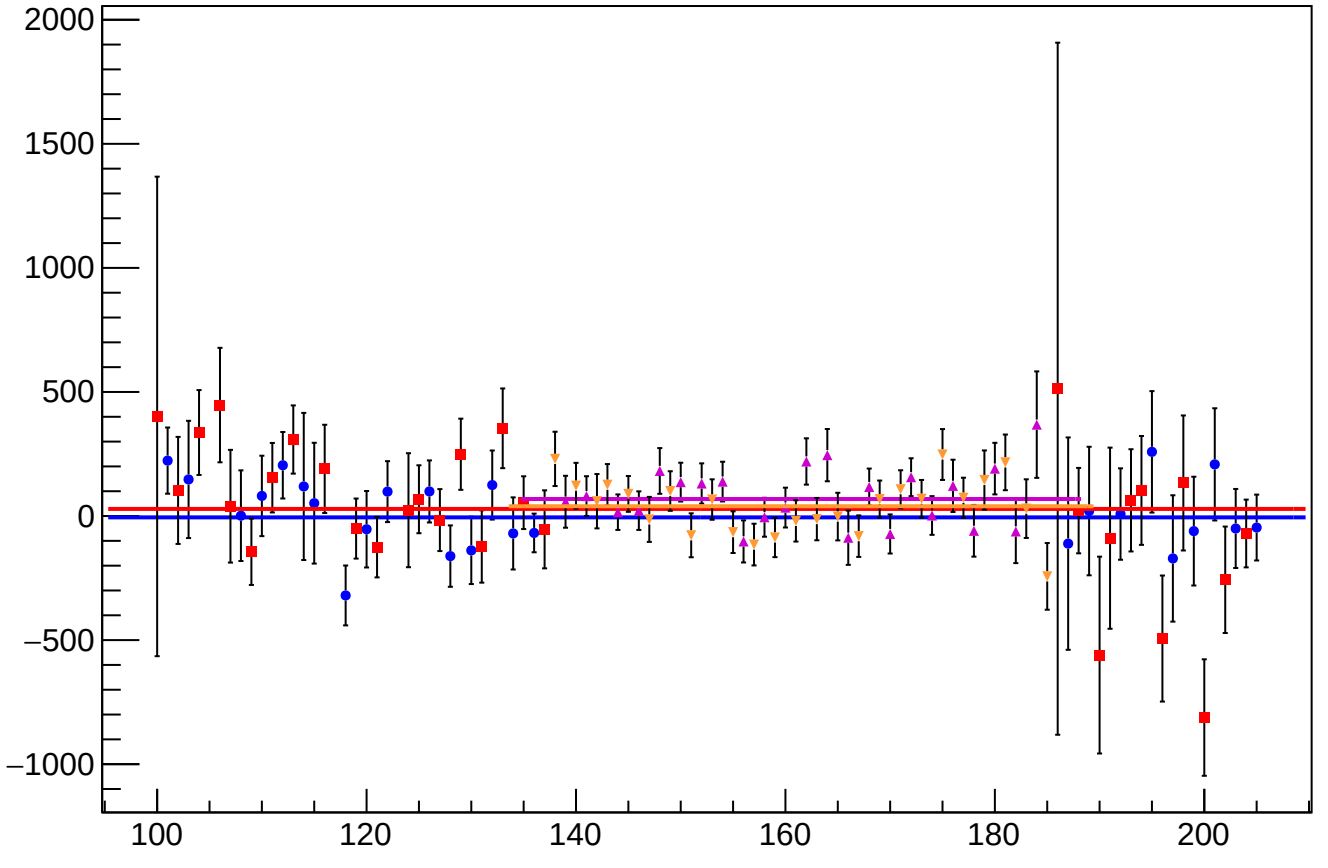
Left: 0.000+/-0.000 χ^2/NDF: 3769522.8/47

Right: 0.000+/-0.000 χ^2/NDF: 13912373.0/54

In: 0.000+/-0.000 χ^2/NDF:11735794.5/47

Out: 0.000+/-0.000 χ^2/NDF:14009742.1/54

All: 0.000+/-0.000 χ^2/NDF: 25765680.9/102



Right In: -5.394+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 28.674+/-31.057 χ^2/NDF: 46.4/29

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

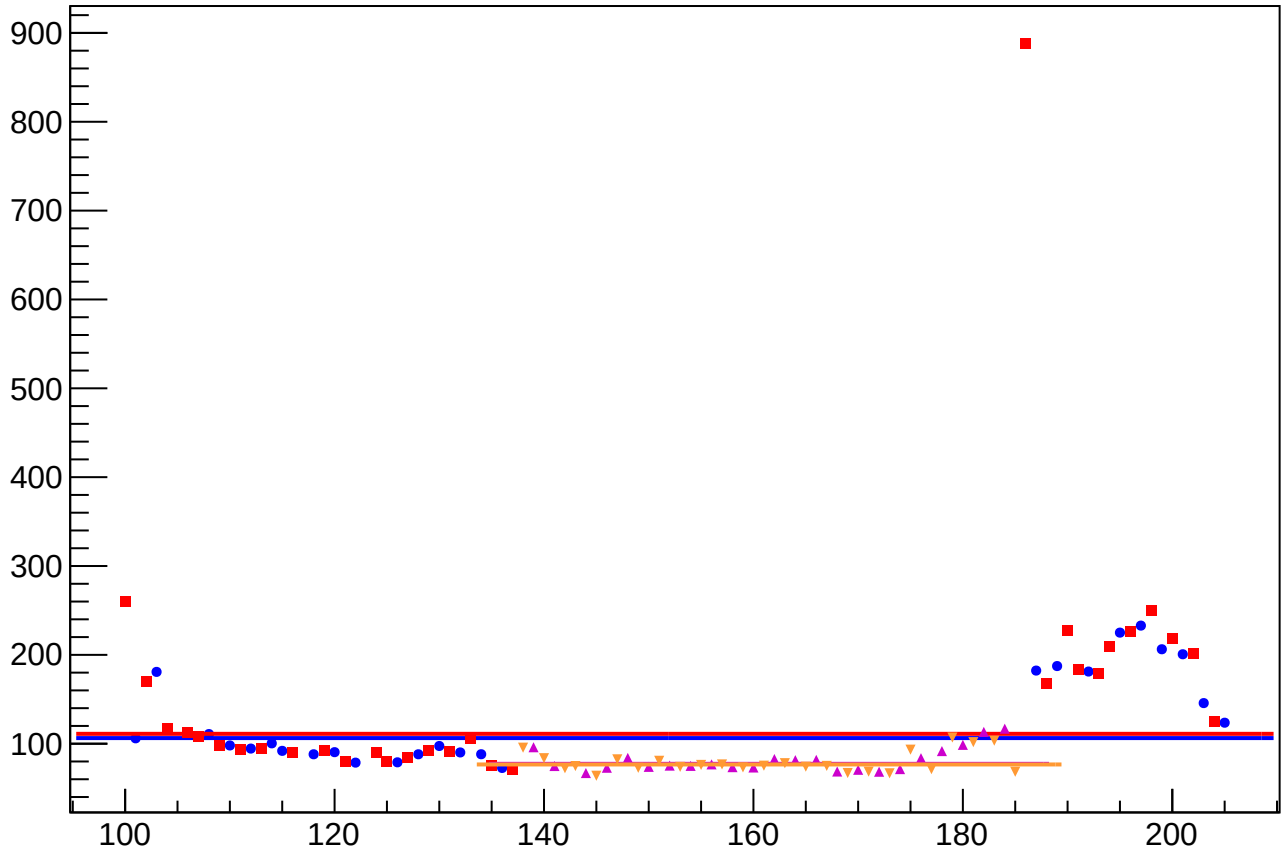
Left: 53.521+/-12.716 χ^2/NDF: 62.3/47

Right: 11.378+/-21.791 χ^2/NDF: 68.8/54

In: 49.079+/-15.714 χ^2/NDF:55.0/47

Out: 36.836+/-15.356 χ^2/NDF:78.5/54

All: 42.816+/-10.983 χ^2/NDF: 133.8/102



Right In: 106.329+/-0.022 χ^2/NDF: 3449652.9/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 111.115+/-0.022 χ^2/NDF: 4571180.5/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

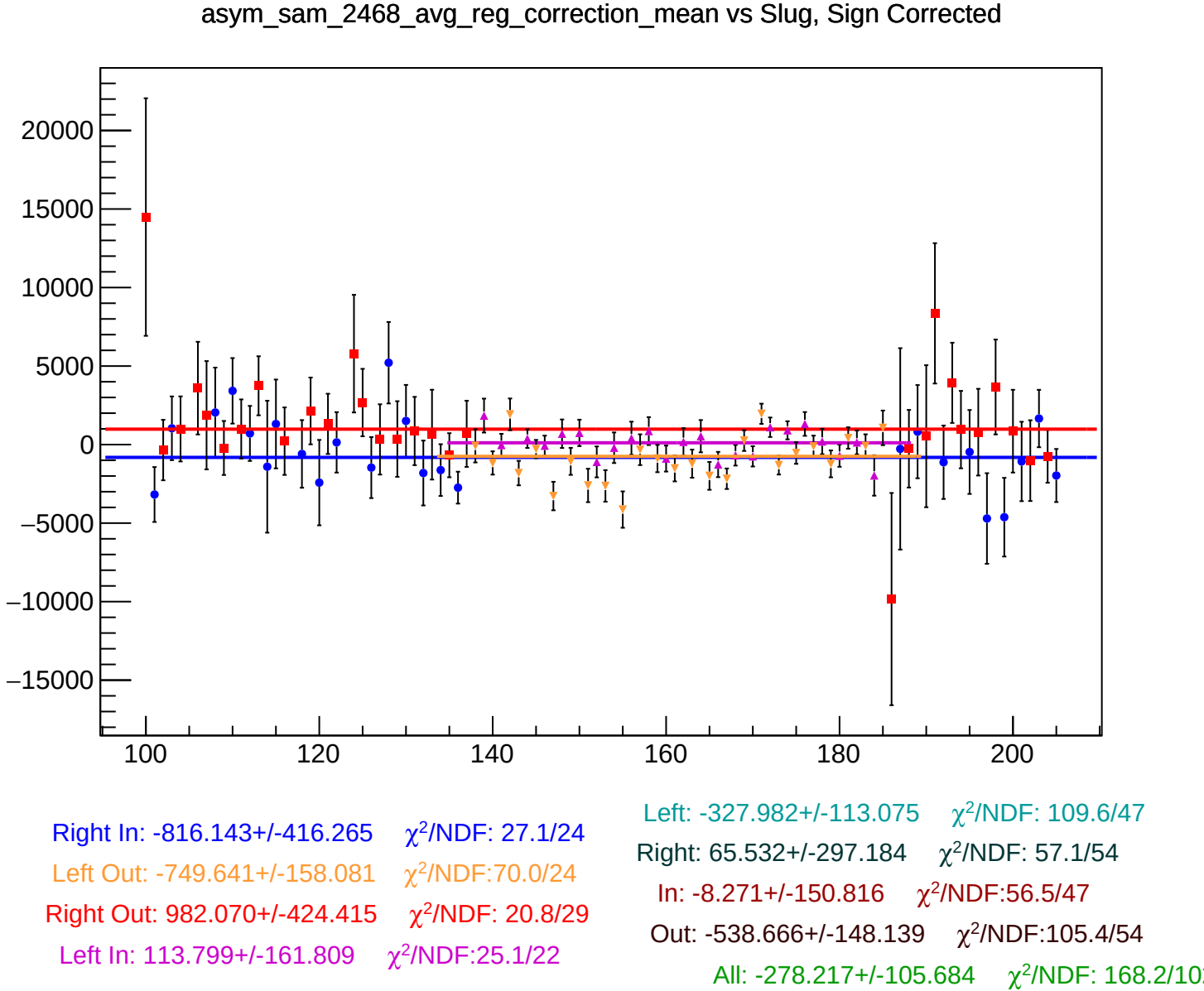
Left: 76.985+/-0.009 χ^2/NDF: 1246545.0/47

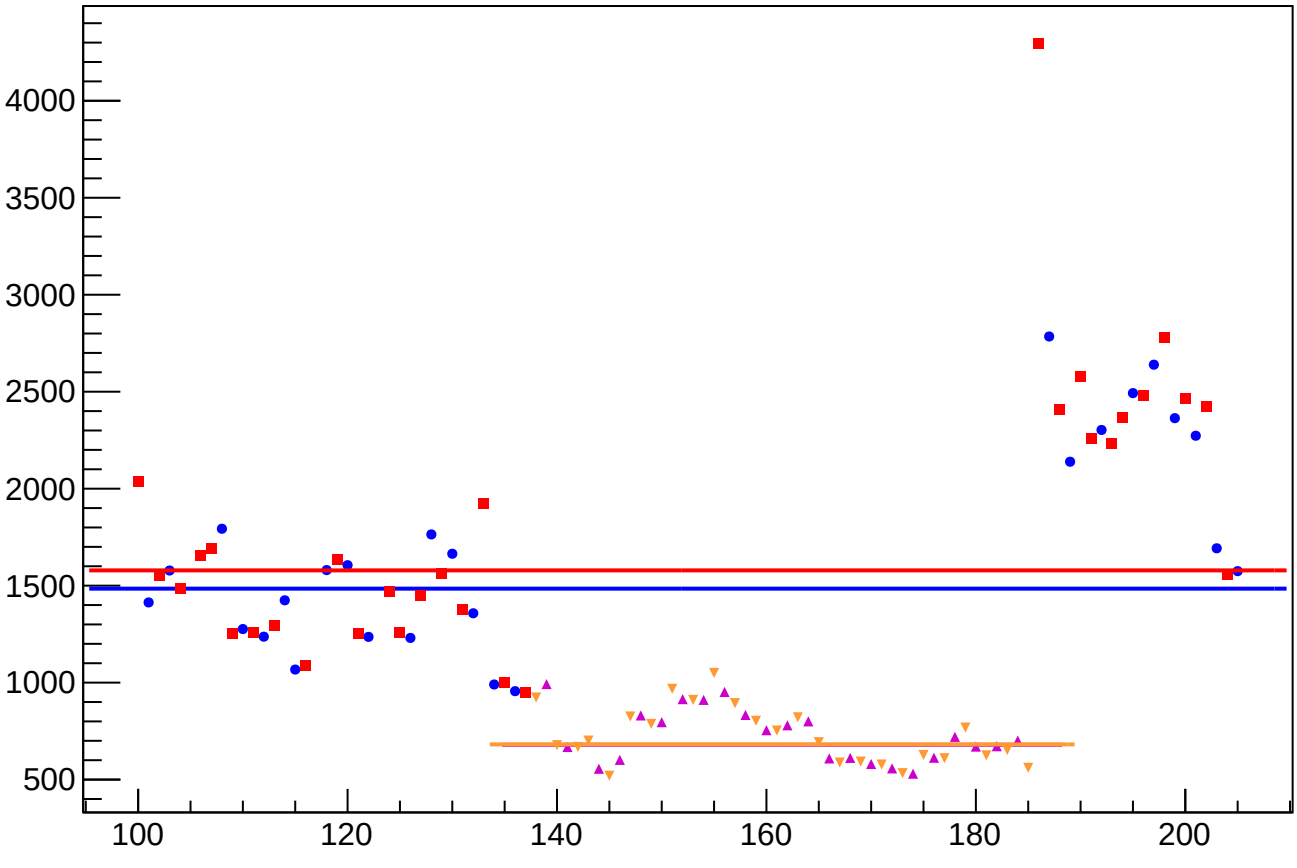
Right: 108.685+/-0.015 χ^2/NDF: 8044952.8/54

In: 85.000+/-0.011 χ^2/NDF:5361865.8/47

Out: 85.073+/-0.011 χ^2/NDF:7087158.5/54

All: 85.037+/-0.008 χ^2/NDF: 12449046.6/102


asym_sam_2468_avg_reg_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -816.143+/-416.265 χ²/NDF: 27.1/24
Left Out: -749.641+/-158.081 χ²/NDF:70.0/24
Right Out: 982.070+/-424.415 χ²/NDF: 20.8/29
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.982+/-113.075 χ²/NDF: 109.6/47
Right: 65.532+/-297.184 χ²/NDF: 57.1/54
In: -8.271+/-150.816 χ²/NDF:56.5/47
Out: -538.666+/-148.139 χ²/NDF:105.4/54
All: -278.217+/-105.684 χ²/NDF: 168.2/102



Right In: 1484.568+/-0.294 χ^2/NDF: 2476182.5/24

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1578.684+/-0.300 χ^2/NDF: 2970999.5/29

Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

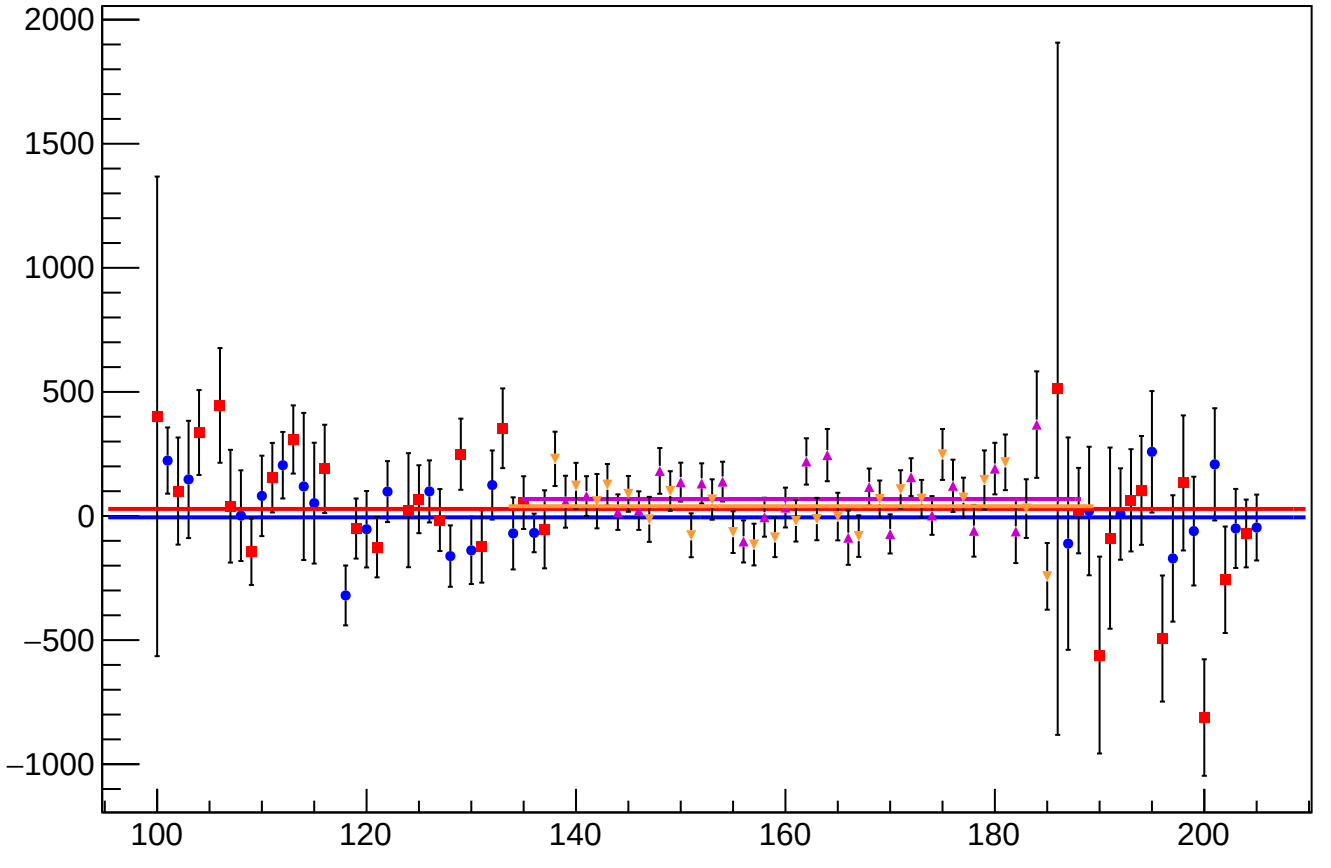
Left: 680.443+/-0.080 χ^2/NDF: 2519638.8/47

Right: 1530.713+/-0.210 χ^2/NDF: 5497310.0/54

In: 785.103+/-0.107 χ^2/NDF:10161774.1/47

Out: 790.740+/-0.105 χ^2/NDF:12155034.8/54

All: 787.972+/-0.075 χ^2/NDF: 22318230.8/10



Right In: -5.405+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 28.559+/-31.058 χ^2/NDF: 46.4/29

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

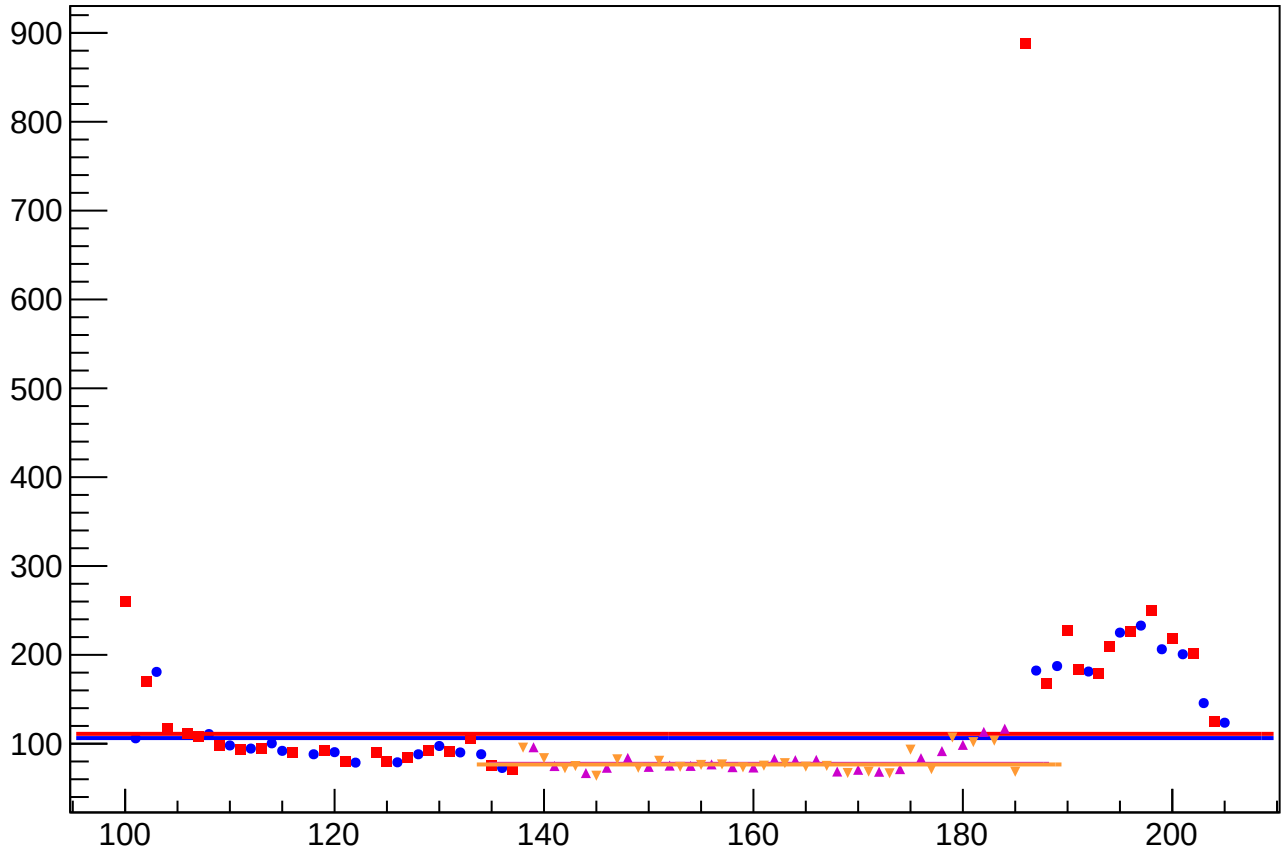
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 11.315+/-21.791 χ^2/NDF: 68.7/54

In: 49.076+/-15.714 χ^2/NDF:55.0/47

Out: 36.814+/-15.356 χ^2/NDF:78.4/54

All: 42.803+/-10.983 χ^2/NDF: 133.8/102



Right In: 106.329+/-0.022 χ^2/NDF: 3449656.4/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 111.092+/-0.022 χ^2/NDF: 4571331.0/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

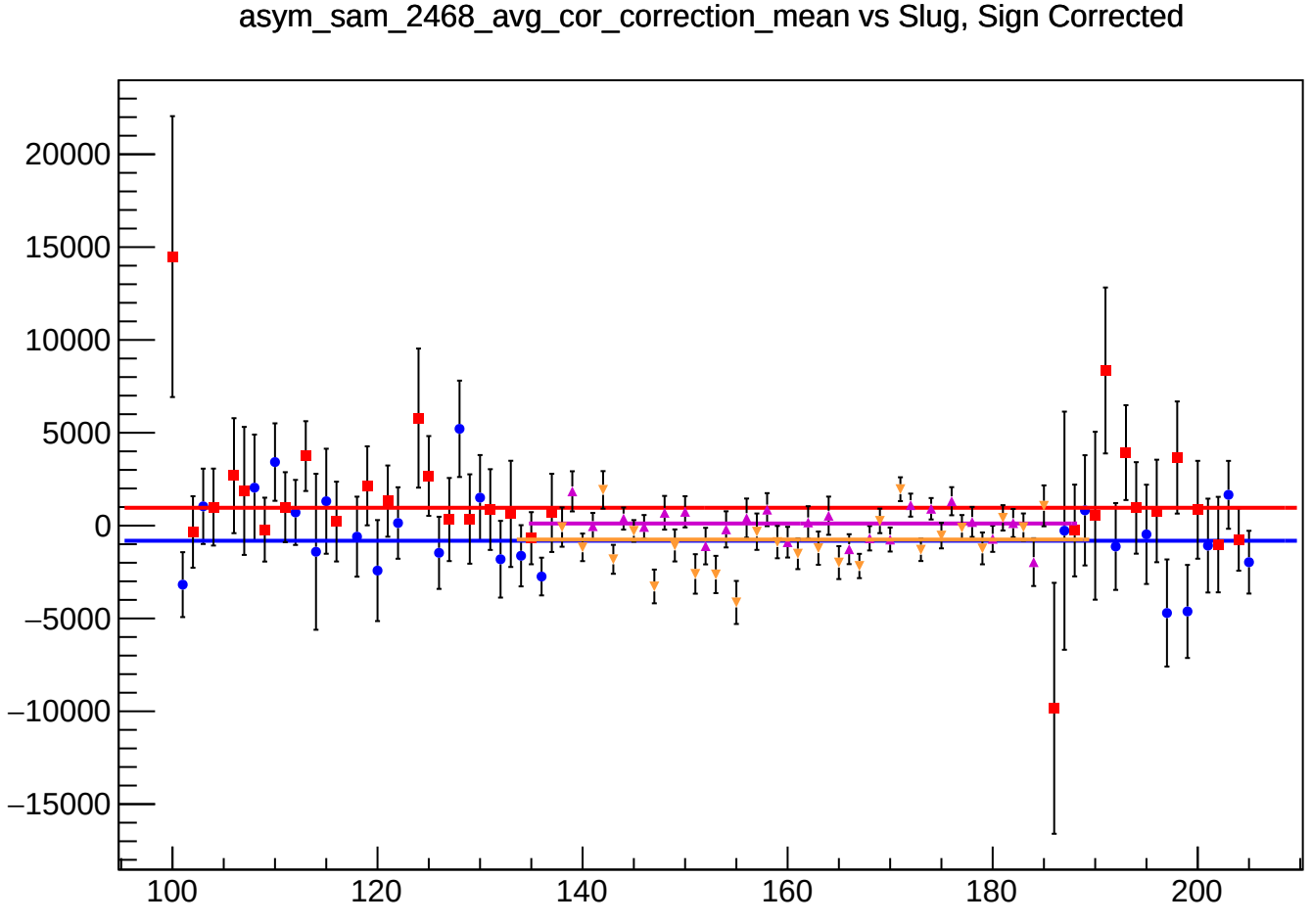
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

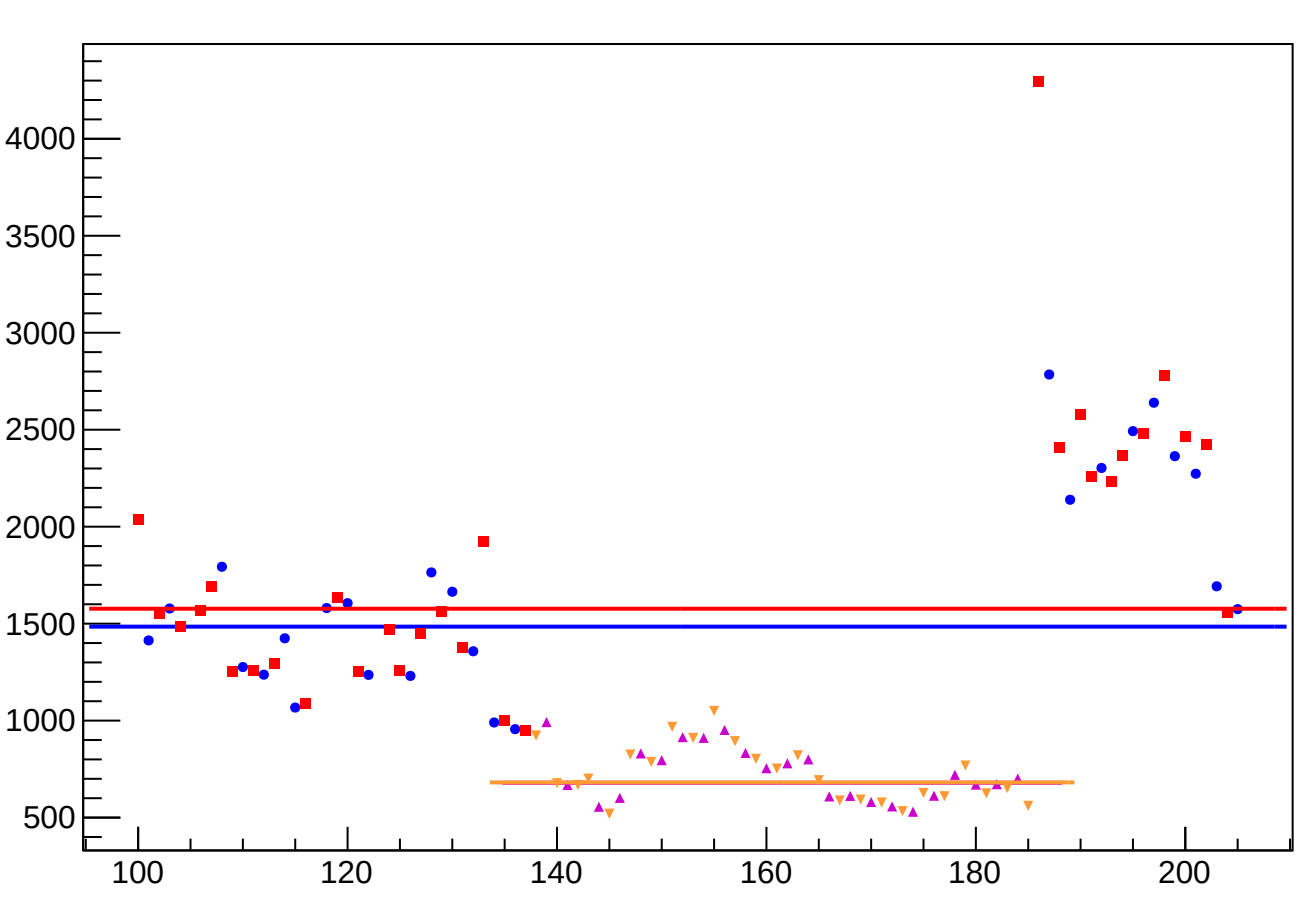
Right: 108.674+/-0.015 χ^2/NDF: 8044869.1/54

In: 85.000+/-0.011 χ^2/NDF:5361869.4/47

Out: 85.067+/-0.011 χ^2/NDF:7084644.3/54

All: 85.034+/-0.008 χ^2/NDF: 12446532.3/102


asym_sam_2468_avg_cor_correction_mean vs Slug, Sign Corrected
20000
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -816.115+/-416.266 χ²/NDF: 27.1/24
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: 960.470+/-424.832 χ²/NDF: 20.3/29
Left In: 113.799+/-161.809 χ²/NDF:25.1/22
Left: -327.978+/-113.075 χ²/NDF: 109.6/47
Right: 54.086+/-297.327 χ²/NDF: 56.4/54
In: -8.266+/-150.816 χ²/NDF:56.5/47
Out: -541.649+/-148.156 χ²/NDF:104.6/54
All: -279.702+/-105.690 χ²/NDF: 167.4/102



Right In: 1484.572+/-0.294 χ^2/NDF: 2476196.4/24

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1576.963+/-0.300 χ^2/NDF: 2969616.6/29

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

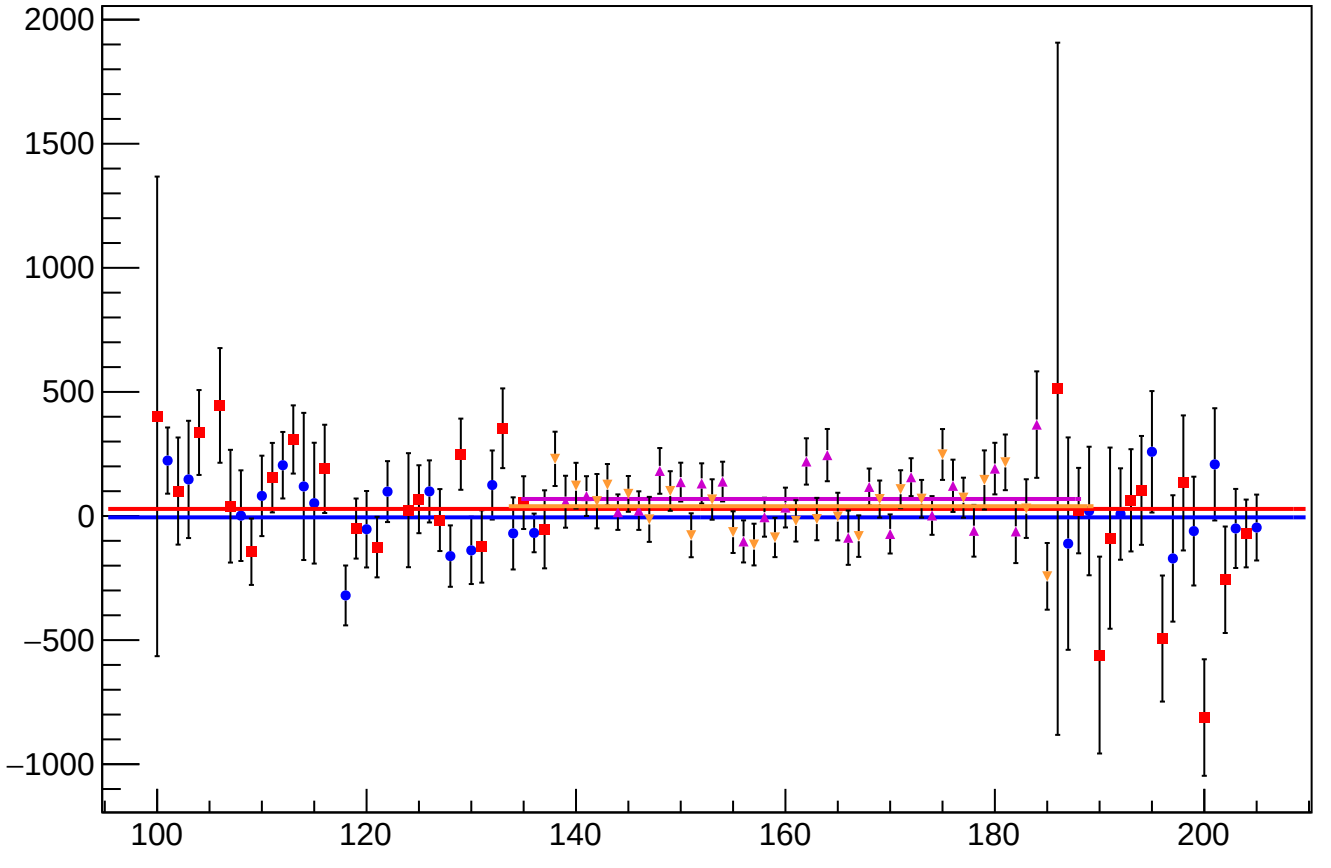
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1529.826+/-0.210 χ^2/NDF: 5494072.5/54

In: 785.103+/-0.107 χ^2/NDF:10161808.7/47

Out: 790.342+/-0.105 χ^2/NDF:12110098.4/54

All: 787.769+/-0.075 χ^2/NDF: 22273135.2/10



Right In: -5.405+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 28.559+/-31.058 χ^2/NDF: 46.4/29

Left In: 68.620+/-18.317 χ^2/NDF:29.0/22

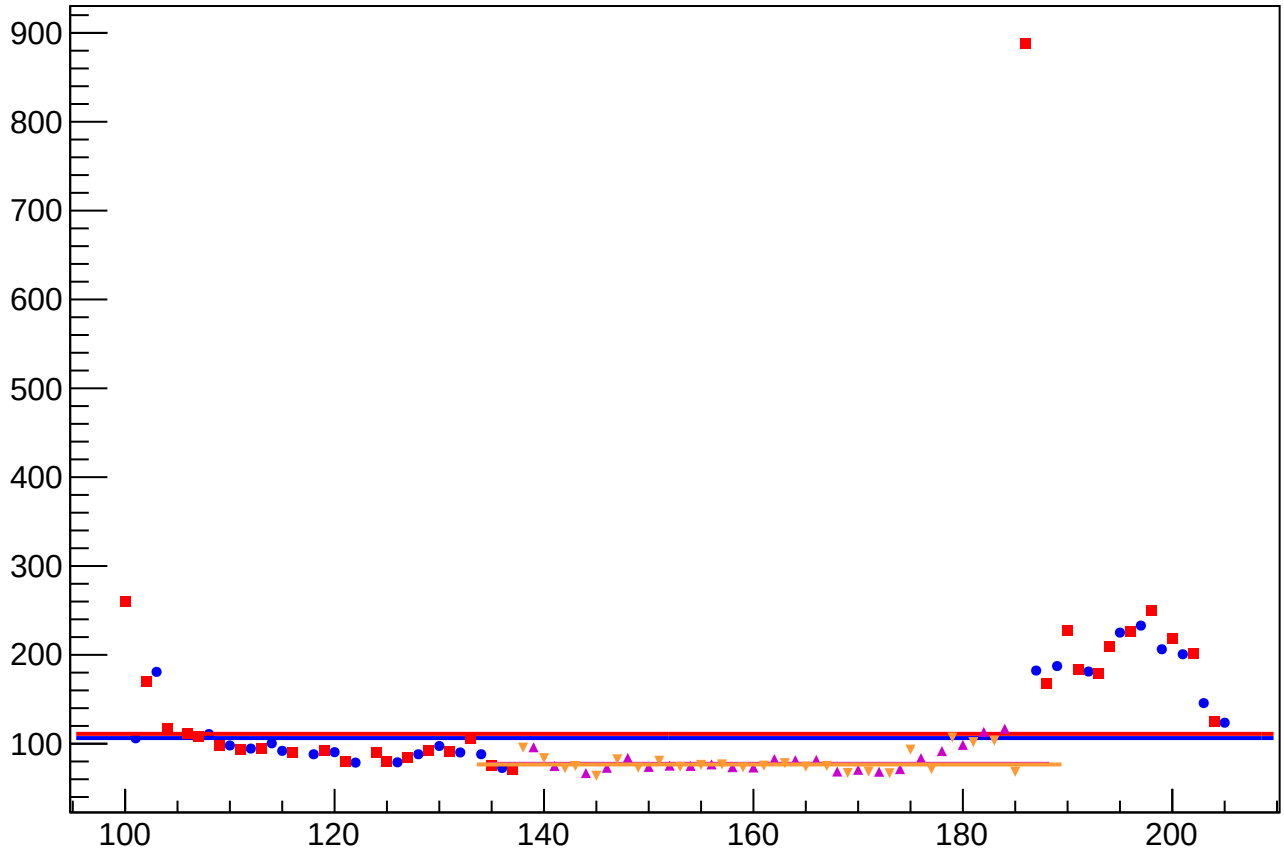
Left: 53.525+/-12.716 χ^2/NDF: 62.3/47

Right: 11.315+/-21.791 χ^2/NDF: 68.7/54

In: 49.076+/-15.714 χ^2/NDF:55.0/47

Out: 36.814+/-15.356 χ^2/NDF:78.4/54

All: 42.803+/-10.983 χ^2/NDF: 133.8/102



Right In: 106.329+/-0.022 χ^2/NDF: 3449656.4/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 111.092+/-0.022 χ^2/NDF: 4571331.0/29

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

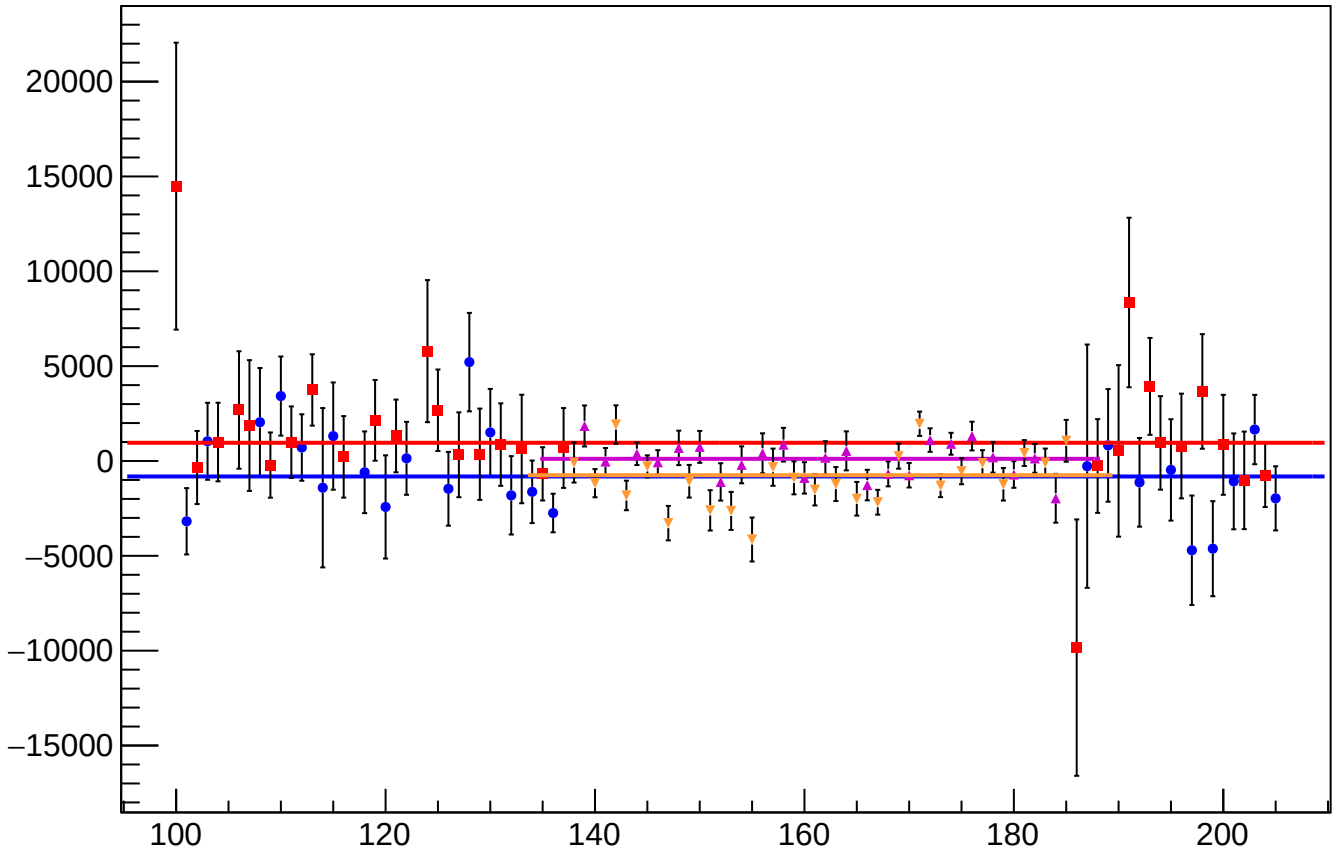
Left: 76.985+/-0.009 χ^2/NDF: 1246545.1/47

Right: 108.674+/-0.015 χ^2/NDF: 8044869.1/54

In: 85.000+/-0.011 χ^2/NDF:5361869.4/47

Out: 85.067+/-0.011 χ^2/NDF:7084644.3/54

All: 85.034+/-0.008 χ^2/NDF: 12446532.3/102



Right In: -816.115+/-416.266 χ^2/NDF: 27.1/24

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: 960.470+/-424.832 χ^2/NDF: 20.3/29

Left In: 113.799+/-161.809 χ^2/NDF:25.1/22

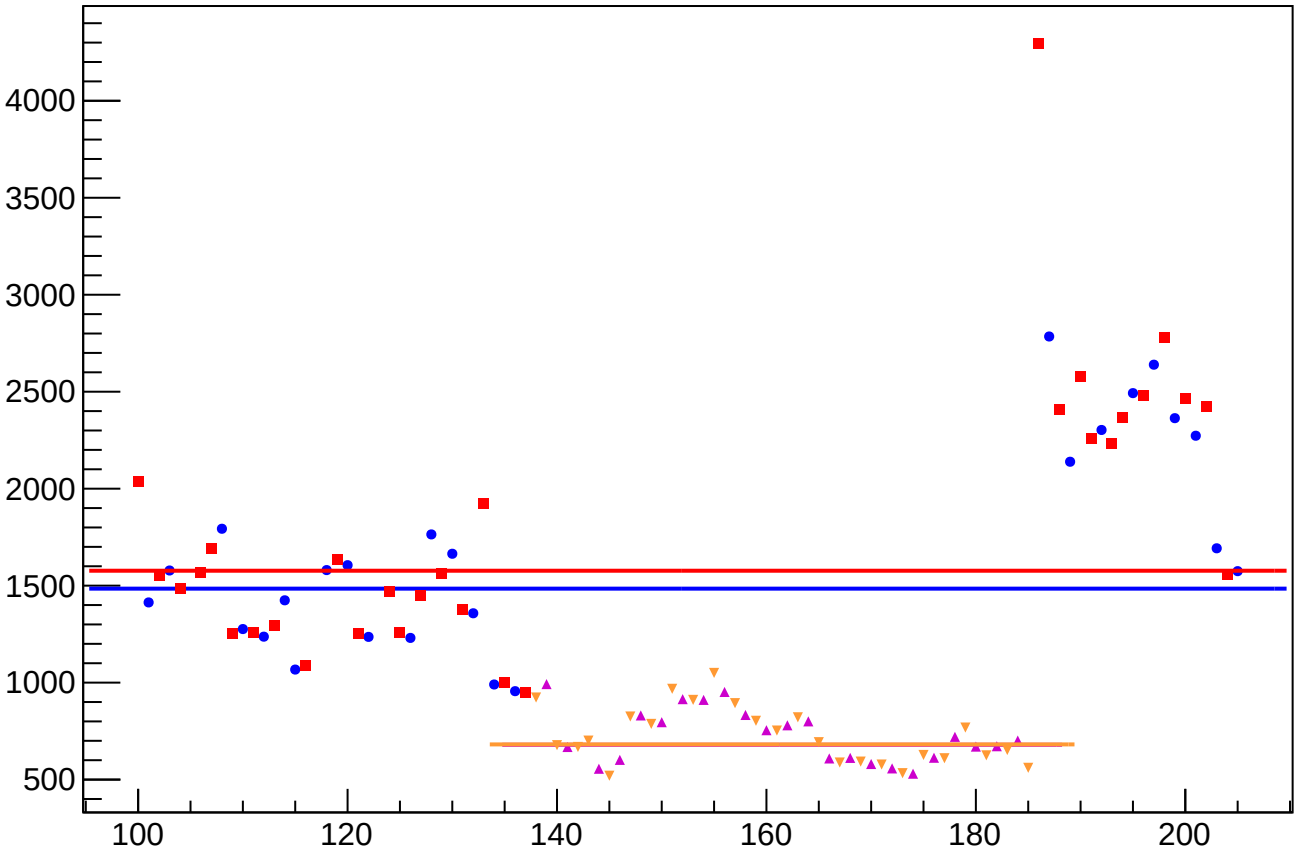
Left: -327.978+/-113.075 χ^2/NDF: 109.6/47

Right: 54.086+/-297.327 χ^2/NDF: 56.4/54

In: -8.266+/-150.816 χ^2/NDF:56.5/47

Out: -541.649+/-148.156 χ^2/NDF:104.6/54

All: -279.702+/-105.690 χ^2/NDF: 167.4/102



Right In: 1484.572+/-0.294 χ^2/NDF: 2476196.4/24

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1576.963+/-0.300 χ^2/NDF: 2969616.6/29

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

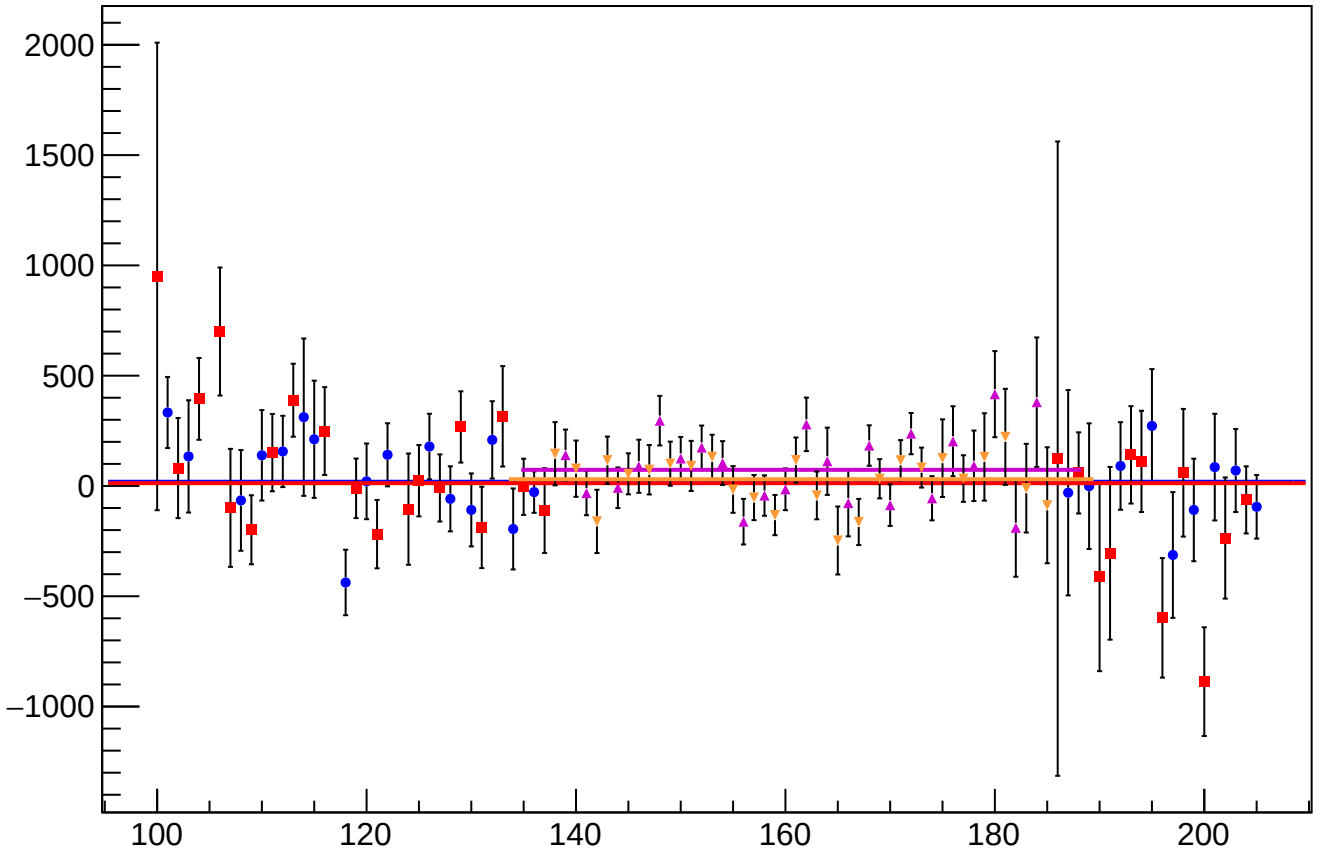
Left: 680.443+/-0.080 χ^2/NDF: 2519638.2/47

Right: 1529.826+/-0.210 χ^2/NDF: 5494072.5/54

In: 785.103+/-0.107 χ^2/NDF:10161808.7/47

Out: 790.342+/-0.105 χ^2/NDF:12110098.4/54

All: 787.769+/-0.075 χ^2/NDF: 22273135.2/10



Right In: 19.129+/-36.030 χ^2/NDF: 24.9/24

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 12.559+/-36.276 χ^2/NDF: 50.0/29

Left In: 73.147+/-23.510 χ^2/NDF:34.5/22

Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

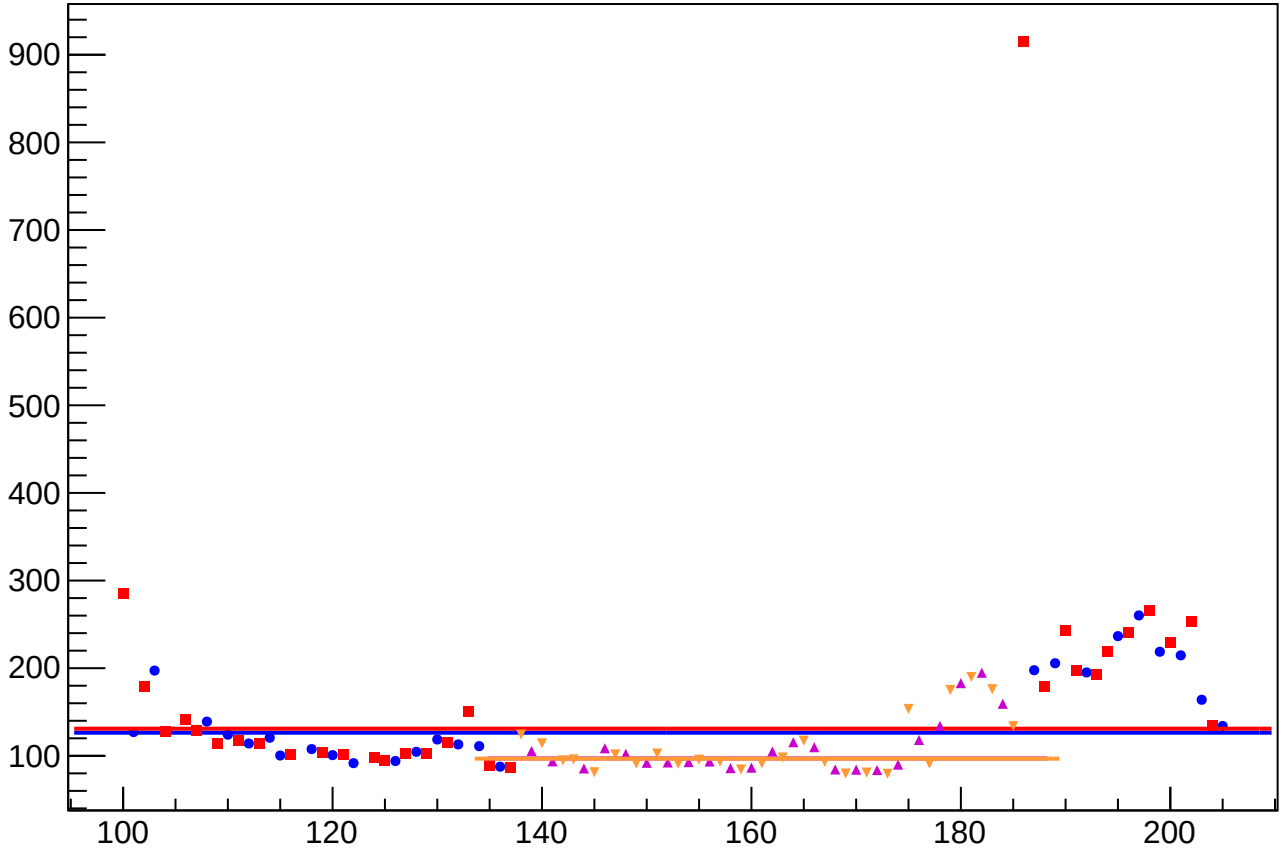
Right: 15.866+/-25.564 χ^2/NDF: 75.0/54

In: 57.016+/-19.689 χ^2/NDF:61.0/47

Out: 25.534+/-19.338 χ^2/NDF:70.2/54

All: 40.991+/-13.796 χ^2/NDF: 132.5/102

dit_asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 126.388+/-0.025 χ^2/NDF: 2811896.2/24

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.969+/-0.026 χ^2/NDF: 3868234.2/29

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

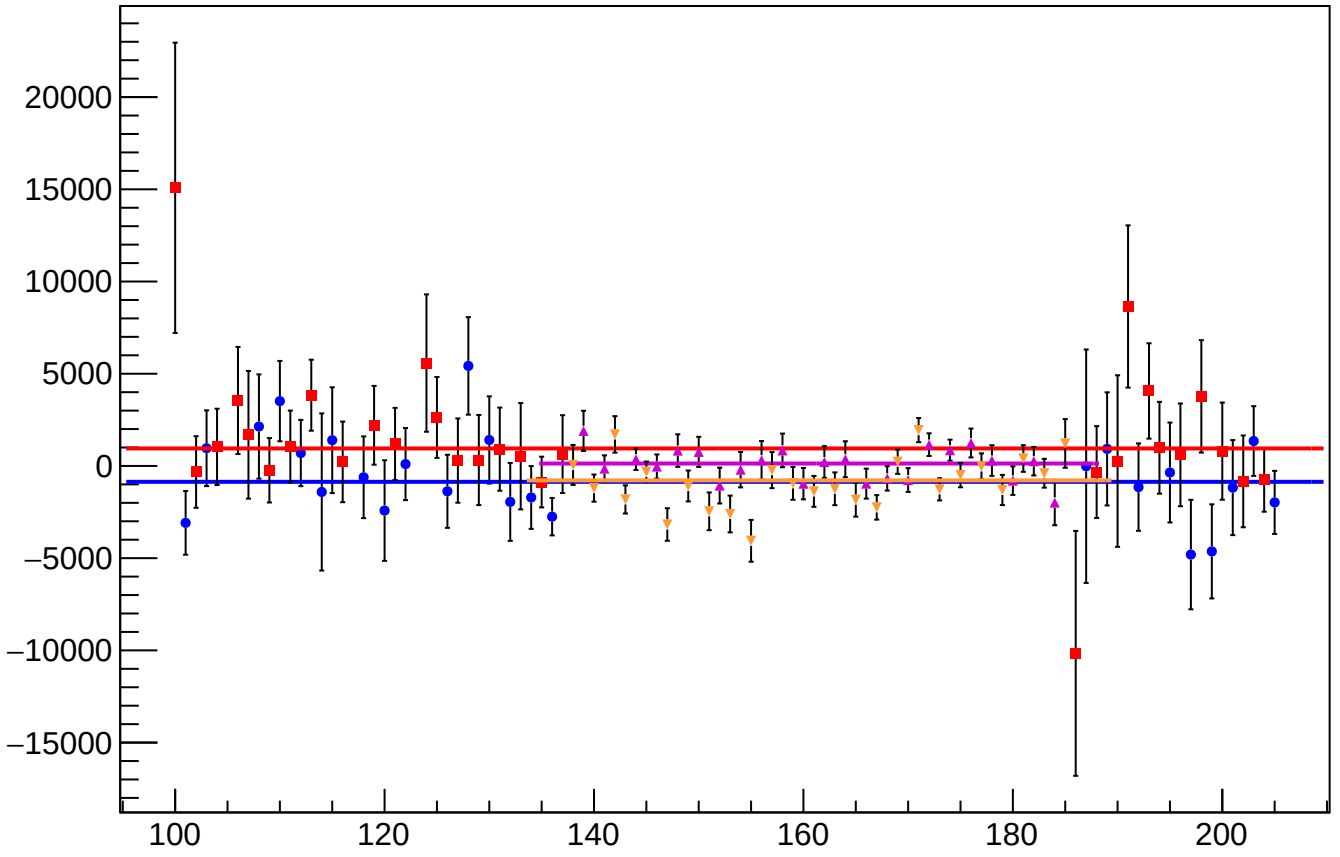
Left: 96.902+/-0.012 χ^2/NDF: 3041695.3/47

Right: 128.663+/-0.018 χ^2/NDF: 6696190.3/54

In: 105.788+/-0.014 χ^2/NDF:5065220.7/47

Out: 106.505+/-0.014 χ^2/NDF:6859265.6/54

All: 106.153+/-0.010 χ^2/NDF: 11925839.6/10



Right In: -860.799+/-422.750 χ^2/NDF: 26.4/24

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: 948.817+/-428.349 χ^2/NDF: 21.7/29

Left In: 131.380+/-162.409 χ^2/NDF:24.3/22

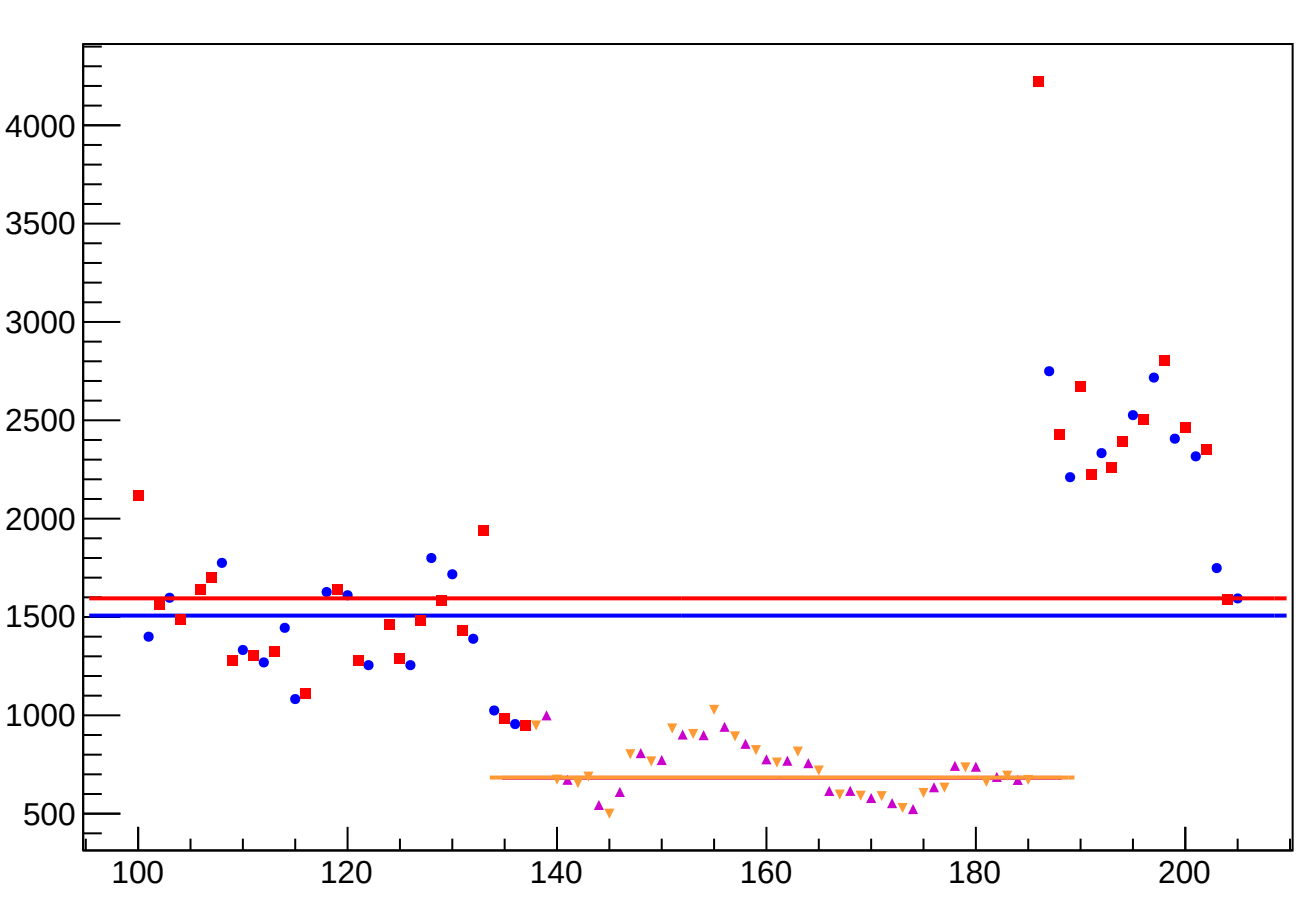
Left: -337.829+/-113.371 χ^2/NDF: 106.9/47

Right: 32.104+/-300.889 χ^2/NDF: 57.2/54

In: 3.778+/-151.607 χ^2/NDF:55.4/47

Out: -575.499+/-148.509 χ^2/NDF:102.5/54

All: -291.840+/-106.090 χ^2/NDF: 165.4/102



Right In: 1507.027+/-0.299 χ^2/NDF: 2518973.2/24

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1594.736+/-0.303 χ^2/NDF: 2941590.0/29

Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

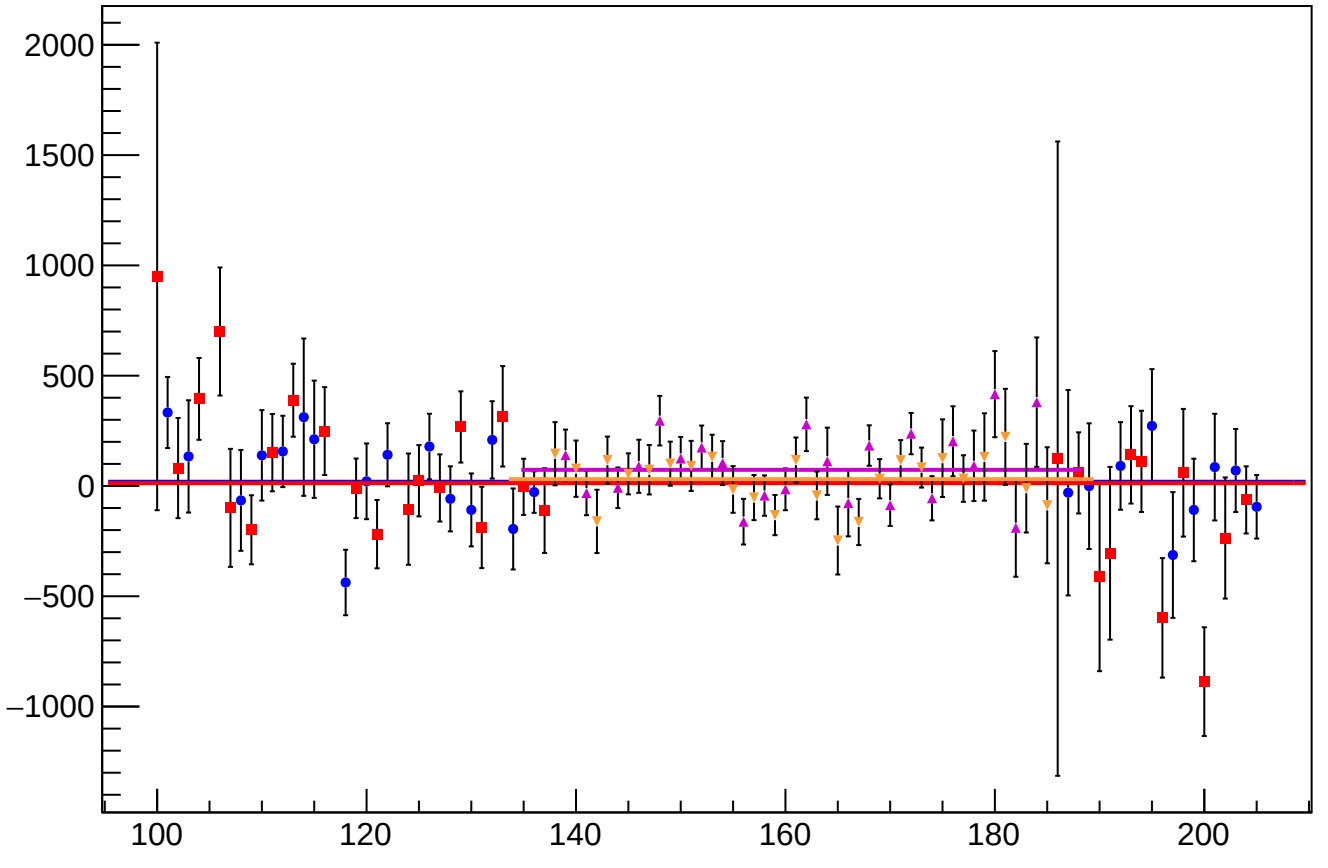
Left: 682.852+/-0.080 χ^2/NDF: 2484221.6/47

Right: 1550.305+/-0.213 χ^2/NDF: 5503042.2/54

In: 788.072+/-0.107 χ^2/NDF:10343358.9/47

Out: 793.205+/-0.105 χ^2/NDF:12199166.6/54

All: 790.692+/-0.075 χ^2/NDF: 22543695.7/10



Right In: 19.130+/-36.030 χ^2/NDF: 24.9/24

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 12.558+/-36.276 χ^2/NDF: 50.0/29

Left In: 73.146+/-23.510 χ^2/NDF:34.5/22

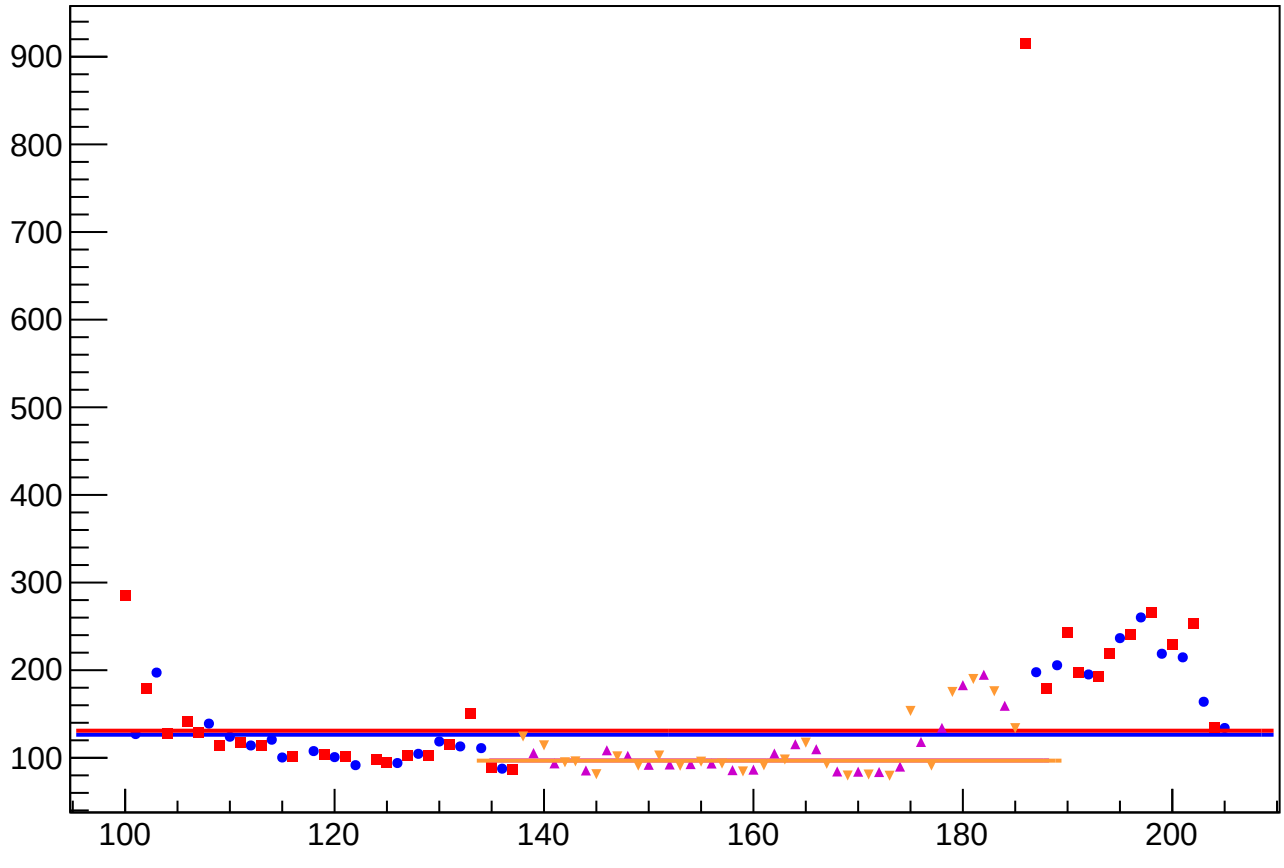
Left: 51.316+/-16.388 χ^2/NDF: 56.1/47

Right: 15.866+/-25.564 χ^2/NDF: 75.0/54

In: 57.015+/-19.689 χ^2/NDF:61.0/47

Out: 25.534+/-19.338 χ^2/NDF:70.2/54

All: 40.991+/-13.796 χ^2/NDF: 132.5/102



Right In: 126.387+/-0.025 χ^2/NDF: 2811913.8/24

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 130.968+/-0.026 χ^2/NDF: 3868269.0/29

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

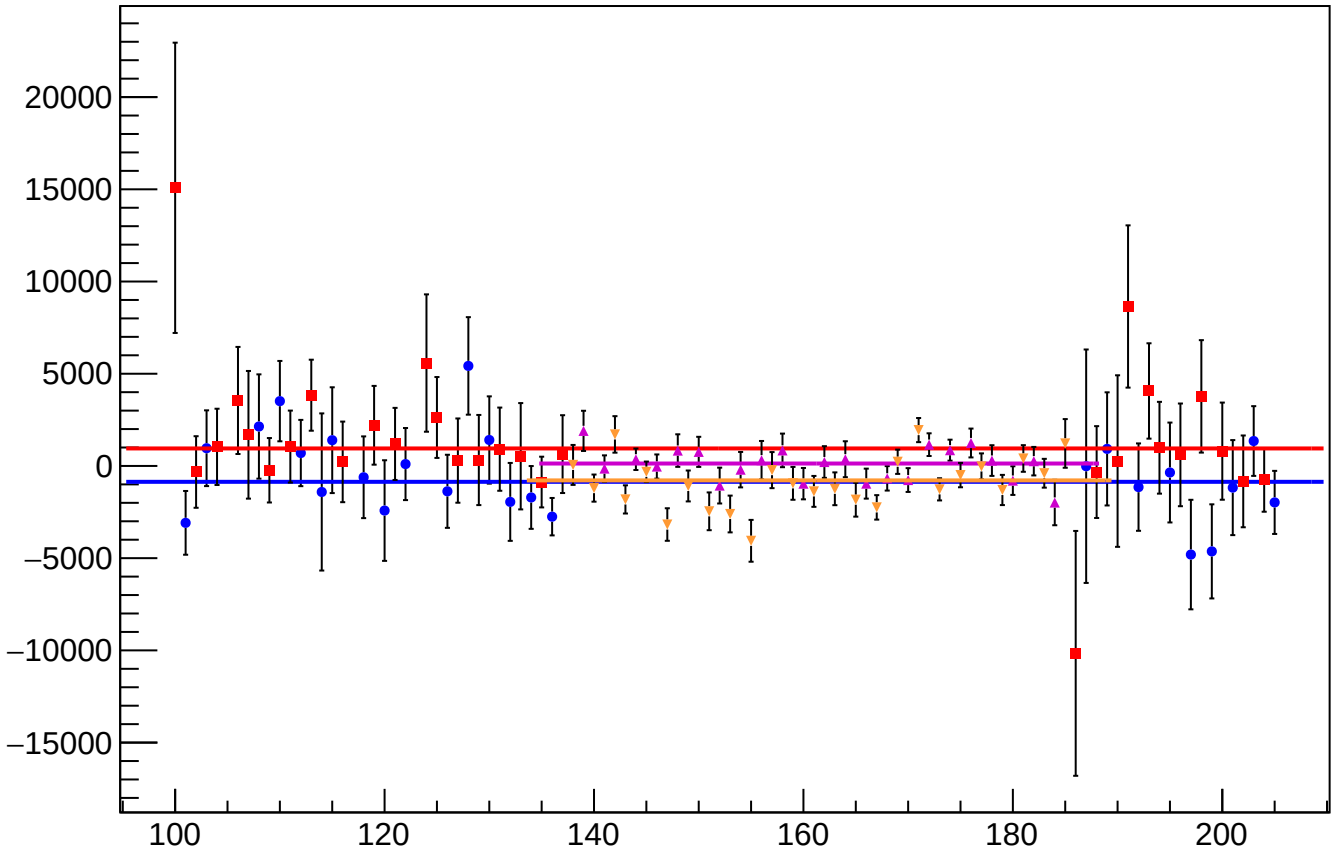
Left: 96.903+/-0.012 χ^2/NDF: 3041679.0/47

Right: 128.662+/-0.018 χ^2/NDF: 6696243.6/54

In: 105.788+/-0.014 χ^2/NDF:5065157.9/47

Out: 106.506+/-0.014 χ^2/NDF:6859233.2/54

All: 106.153+/-0.010 χ^2/NDF: 11925744.6/10



Right In: -860.794+/-422.749 χ^2/NDF: 26.4/24

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

Right Out: 948.816+/-428.348 χ^2/NDF: 21.7/29

Left In: 131.379+/-162.409 χ^2/NDF:24.3/22

Left: -337.829+/-113.370 χ^2/NDF: 106.9/47

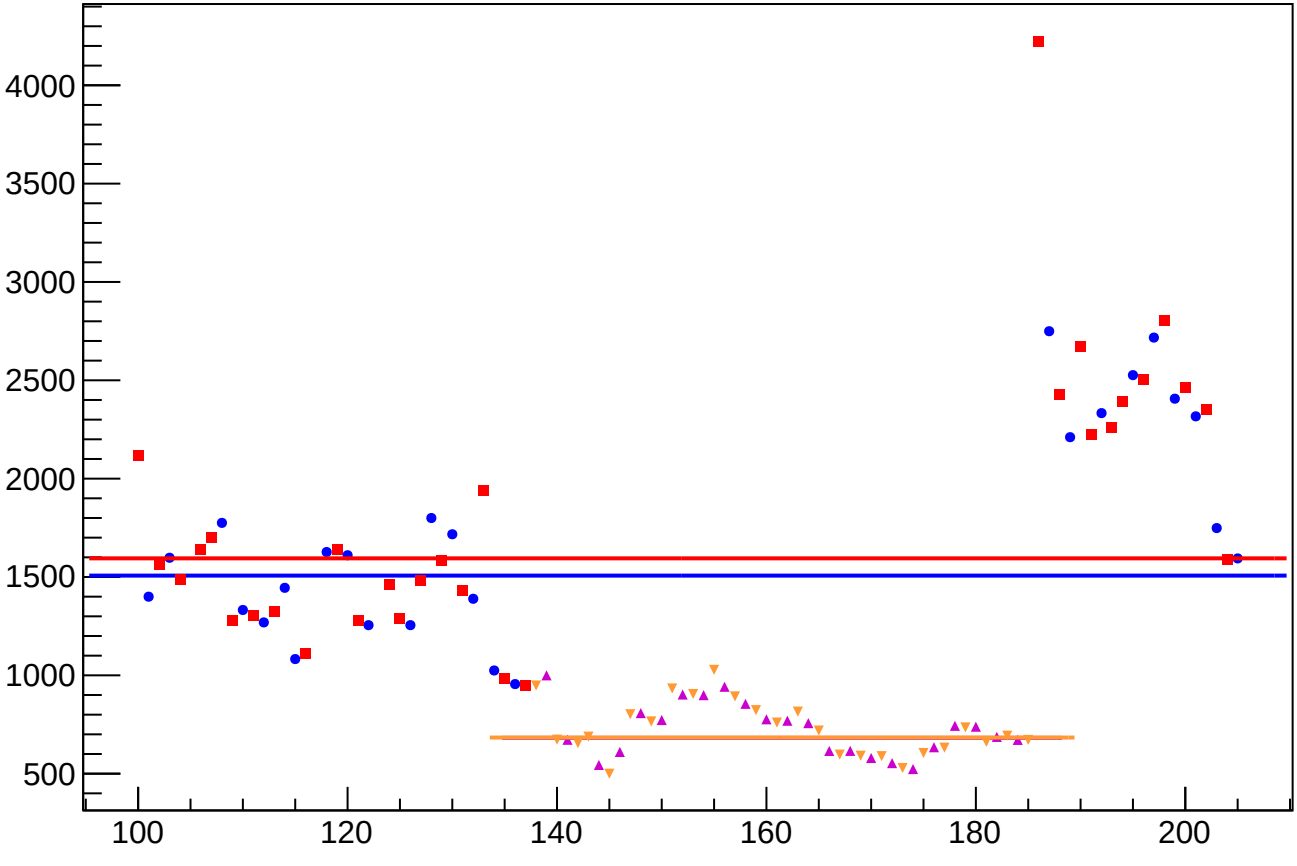
Right: 32.106+/-300.889 χ^2/NDF: 57.2/54

In: 3.778+/-151.606 χ^2/NDF:55.4/47

Out: -575.498+/-148.508 χ^2/NDF:102.5/54

All: -291.839+/-106.090 χ^2/NDF: 165.4/102

asym_sam_2468_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1507.024+/-0.299 χ^2/NDF: 2518978.8/24

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1594.733+/-0.303 χ^2/NDF: 2941599.2/29

Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

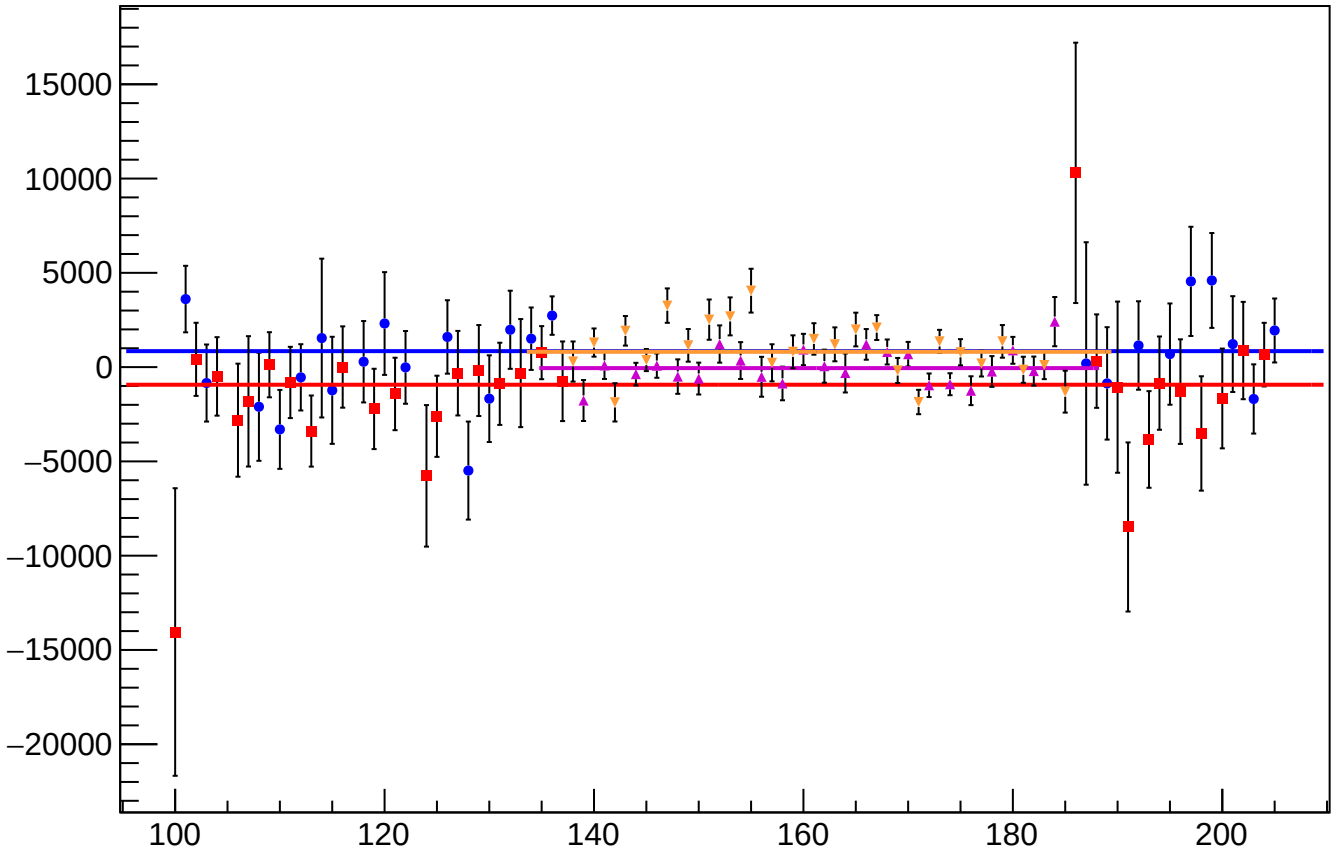
Left: 682.850+/-0.080 χ^2/NDF: 2484229.4/47

Right: 1550.301+/-0.213 χ^2/NDF: 5503056.7/54

In: 788.070+/-0.107 χ^2/NDF:10343367.4/47

Out: 793.204+/-0.105 χ^2/NDF:12199180.8/54

All: 790.690+/-0.075 χ^2/NDF: 22543718.5/10



Right In: 847.233+/-417.800 χ^2/NDF: 27.6/24

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: -934.535+/-425.933 χ^2/NDF: 19.8/29

Left In: -52.290+/-163.036 χ^2/NDF:25.4/22

Left: 391.048+/-113.924 χ^2/NDF: 105.6/47

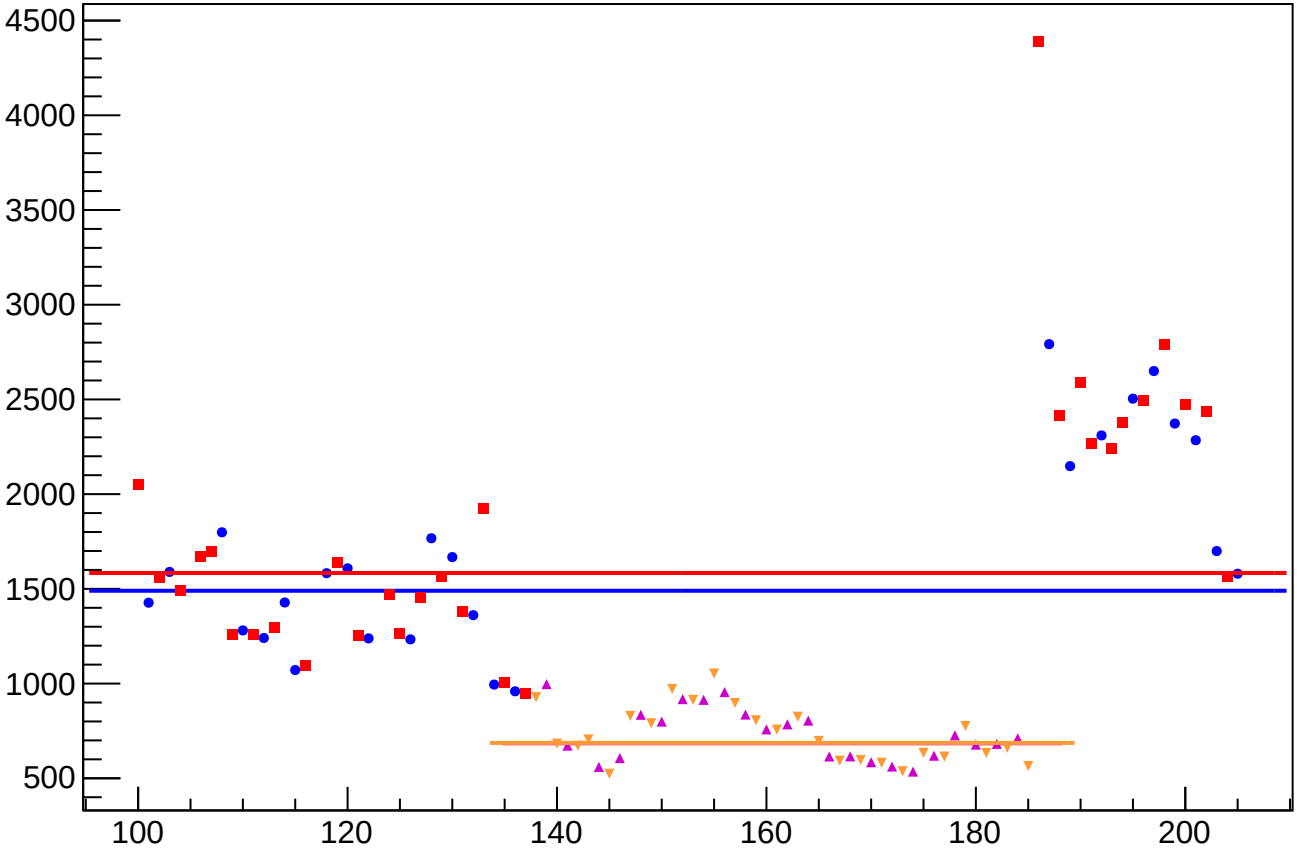
Right: -26.478+/-298.263 χ^2/NDF: 56.3/54

In: 66.584+/-151.881 χ^2/NDF:57.0/47

Out: 599.595+/-149.170 χ^2/NDF:100.4/54

All: 337.890+/-106.425 χ^2/NDF: 163.6/102

asym_sam_2468_avg_rms vs Slug, Sign Corrected



Right In: 1490.018+/-0.295 χ^2/NDF: 2478286.0/24

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

Right Out: 1583.728+/-0.301 χ^2/NDF: 2983493.9/29

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

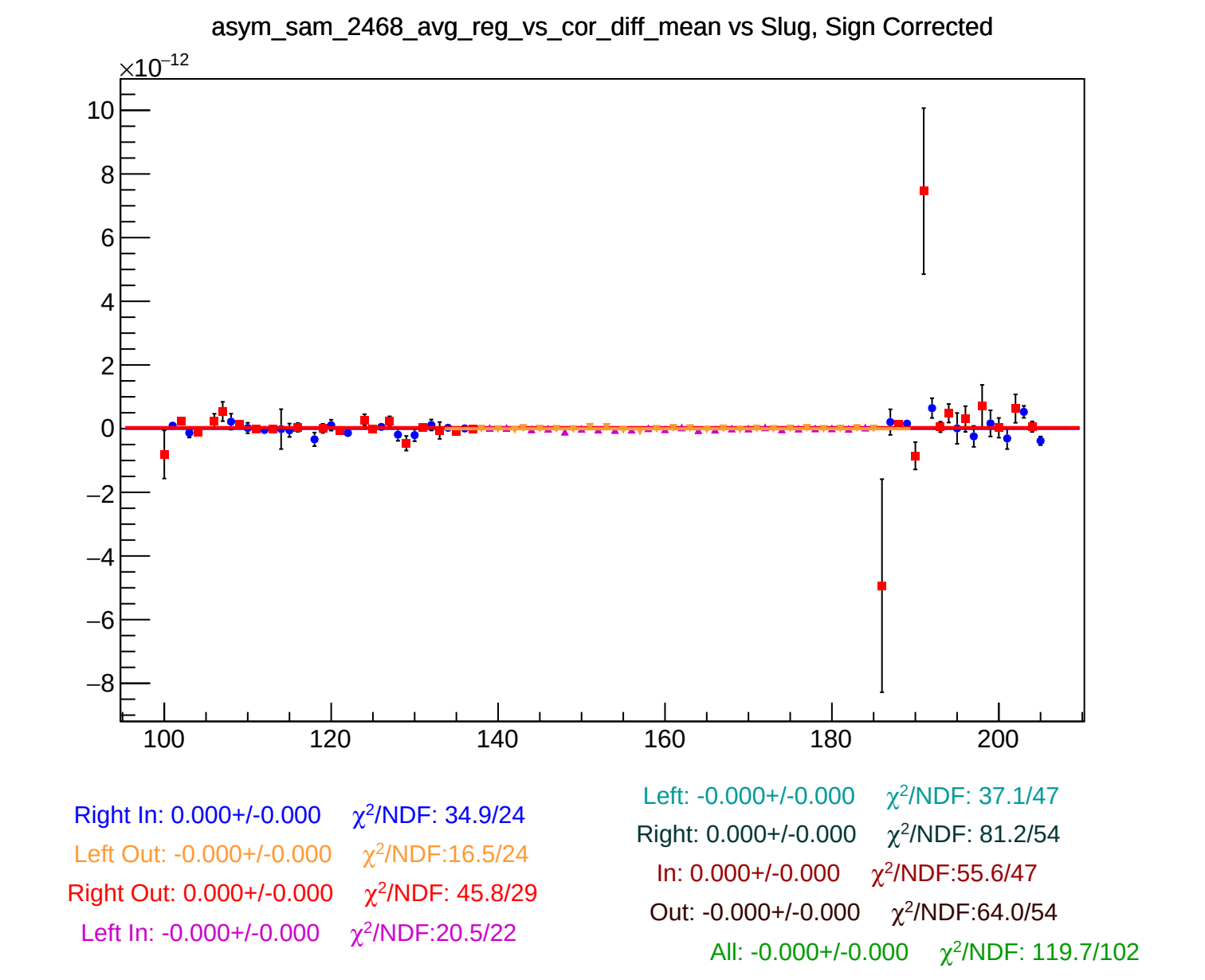
Left: 685.754+/-0.081 χ^2/NDF: 2477581.6/47

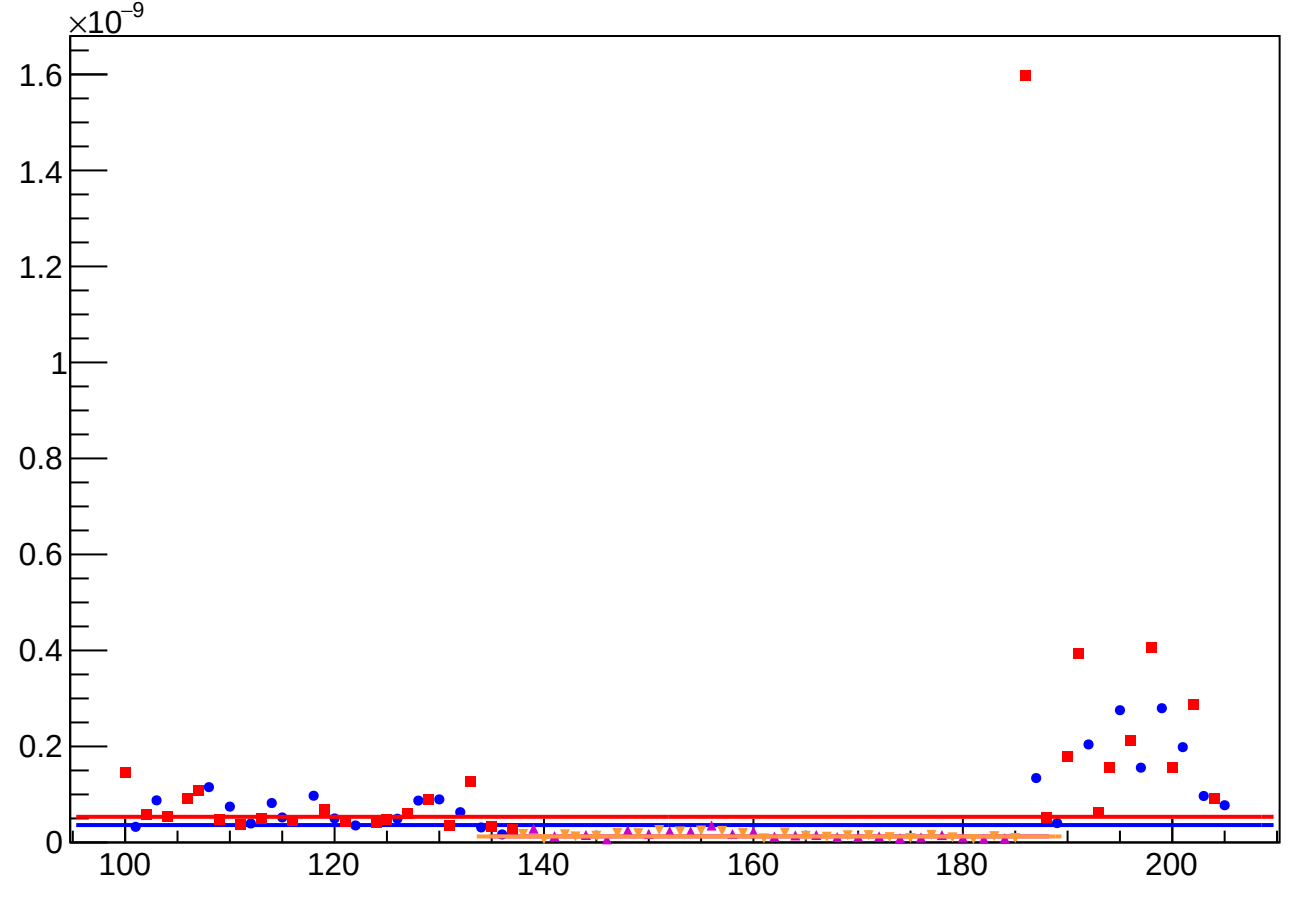
Right: 1535.970+/-0.211 χ^2/NDF: 5511117.4/54

In: 791.179+/-0.107 χ^2/NDF:10091174.6/47

Out: 796.724+/-0.105 χ^2/NDF:12078434.9/54

All: 794.001+/-0.075 χ^2/NDF: 22170966.2/10


asym_sam_2468_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
10
8
6
4
2
0
−2
−4
−6
−8
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 34.9/24
Left Out: -0.000+/-0.000 χ²/NDF:16.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 45.8/29
Left In: -0.000+/-0.000 χ²/NDF:20.5/22
Left: -0.000+/-0.000 χ²/NDF: 37.1/47
Right: 0.000+/-0.000 χ²/NDF: 81.2/54
In: 0.000+/-0.000 χ²/NDF:55.6/47
Out: -0.000+/-0.000 χ²/NDF:64.0/54
All: -0.000+/-0.000 χ²/NDF: 119.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 5059828.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3441406.3/29

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

Left: 0.000+/-0.000 χ^2/NDF: 3704338.4/47

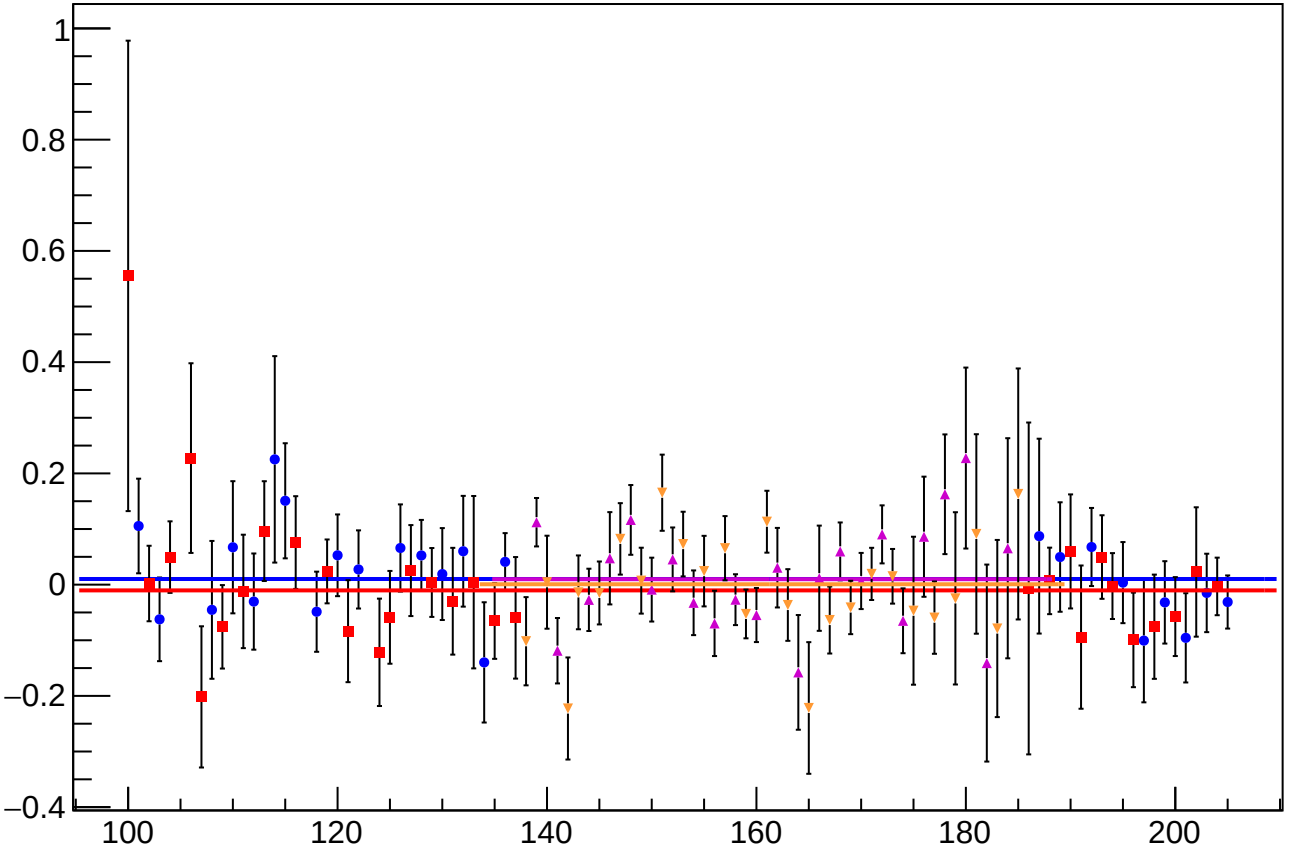
Right: 0.000+/-0.000 χ^2/NDF: 9029887.1/54

In: 0.000+/-0.000 χ^2/NDF:9461157.8/47

Out: 0.000+/-0.000 χ^2/NDF:9836206.5/54

All: 0.000+/-0.000 χ^2/NDF: 19297885.4/102

asym_sam_2468_avg_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

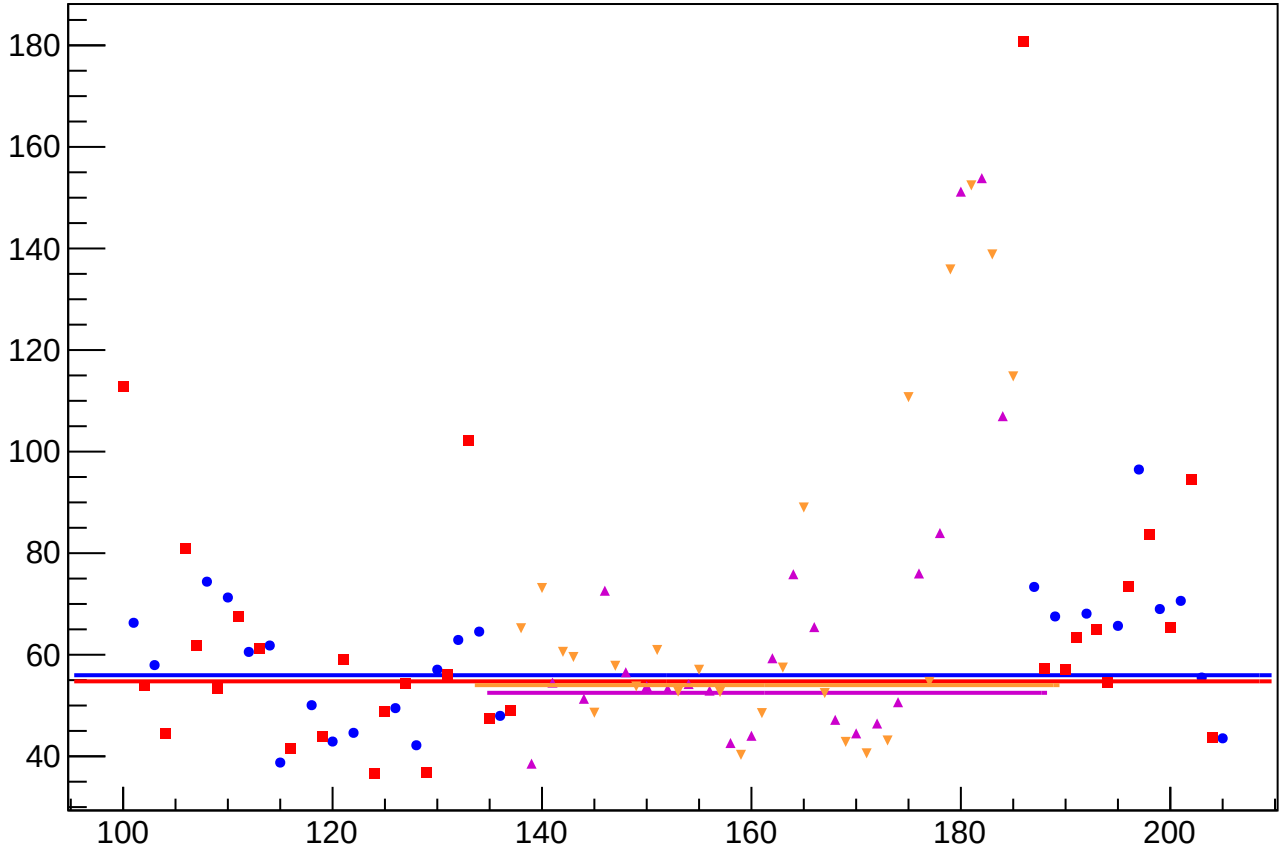
Right: -0.001+/-0.011 χ^2/NDF: 34.1/54

In: 0.010+/-0.010 χ^2/NDF:47.4/47

Out: -0.004+/-0.010 χ^2/NDF:49.7/54

All: 0.003+/-0.007 χ^2/NDF: 98.1/102

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.011 χ^2/NDF: 1150328.8/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 54.763+/-0.011 χ^2/NDF: 1838016.4/29

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

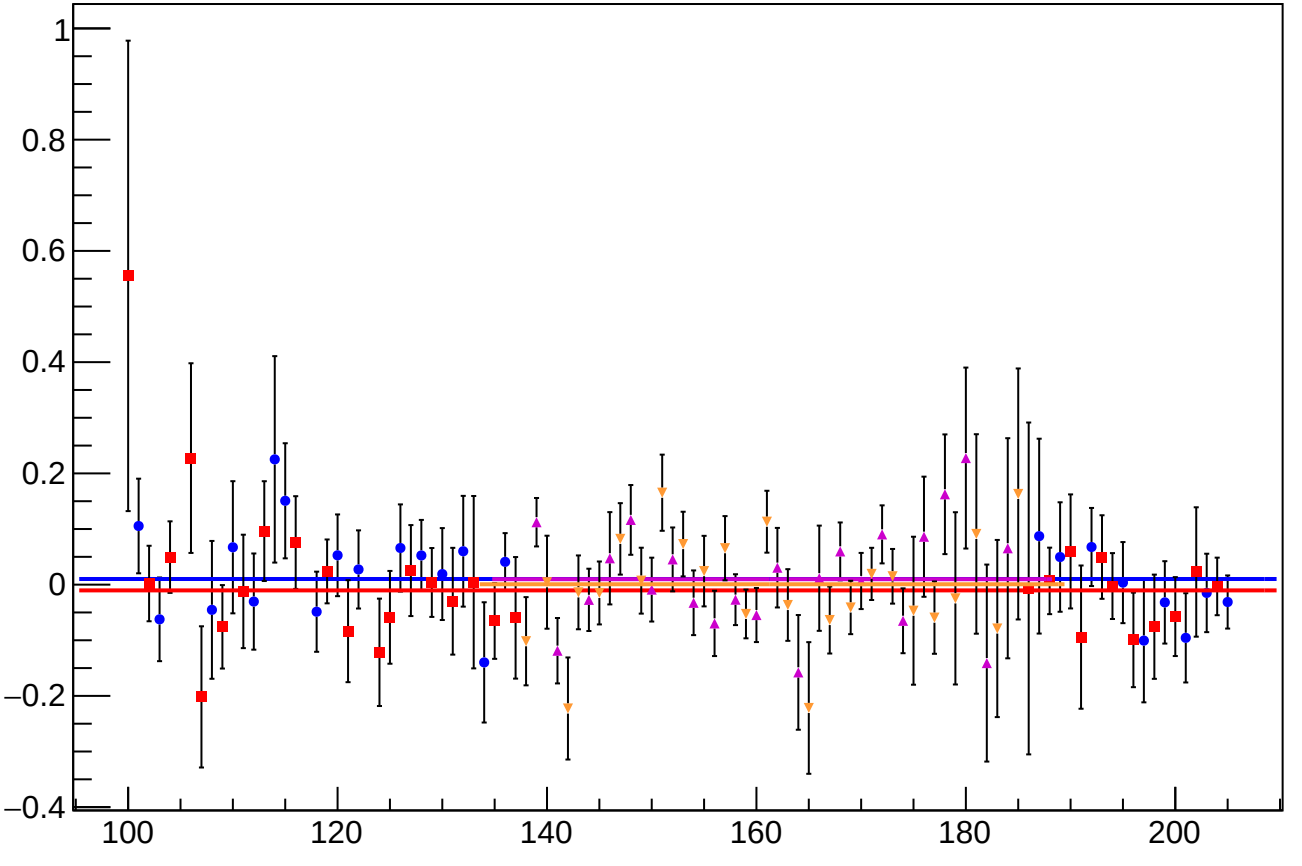
Right: 55.333+/-0.008 χ^2/NDF: 2994449.9/54

In: 53.926+/-0.007 χ^2/NDF:3764564.4/47

Out: 54.342+/-0.007 χ^2/NDF:5068370.0/54

All: 54.138+/-0.005 χ^2/NDF: 8834654.2/102

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

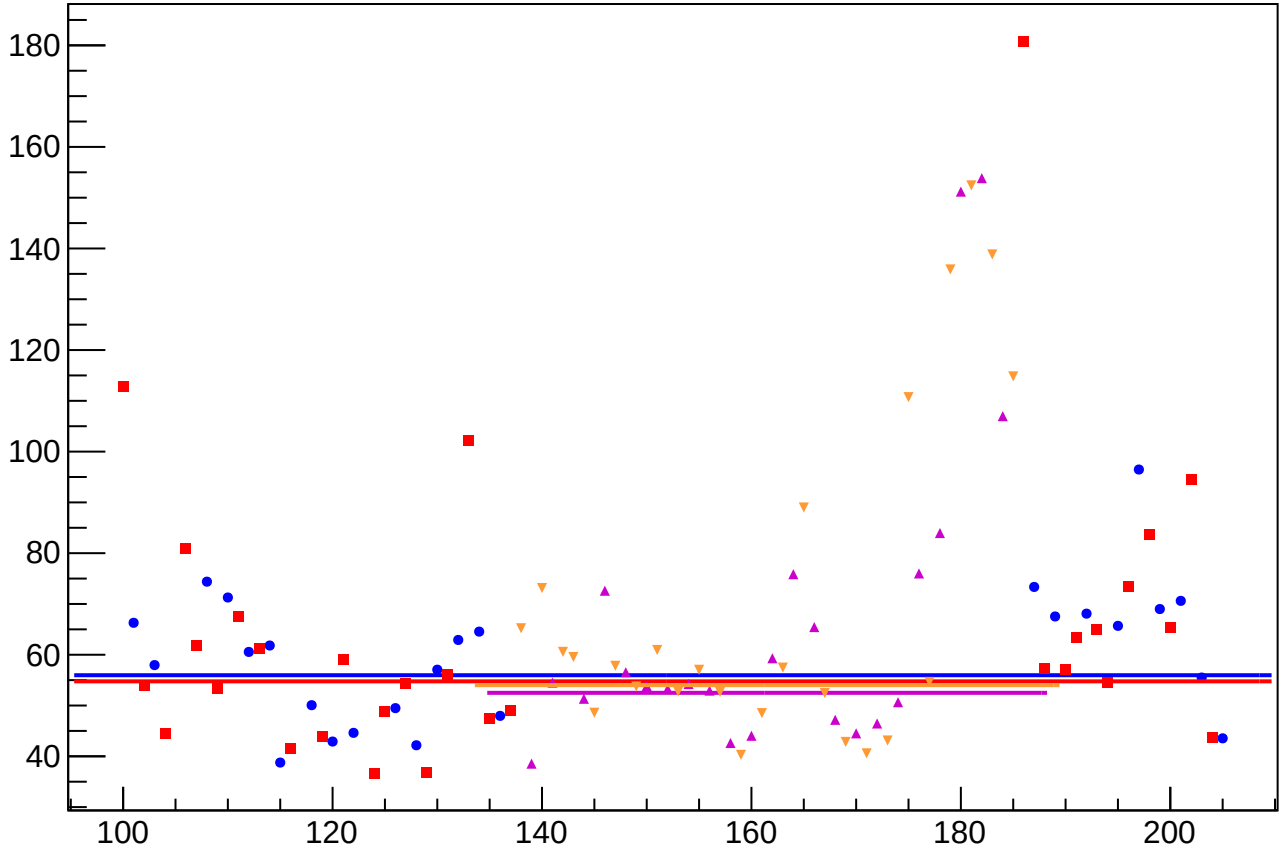
Right: -0.001+/-0.011 χ^2/NDF: 34.1/54

In: 0.010+/-0.010 χ^2/NDF:47.4/47

Out: -0.004+/-0.010 χ^2/NDF:49.7/54

All: 0.003+/-0.007 χ^2/NDF: 98.1/102

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.968+/-0.011 χ^2/NDF: 1150328.8/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

Right Out: 54.763+/-0.011 χ^2/NDF: 1838016.4/29

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

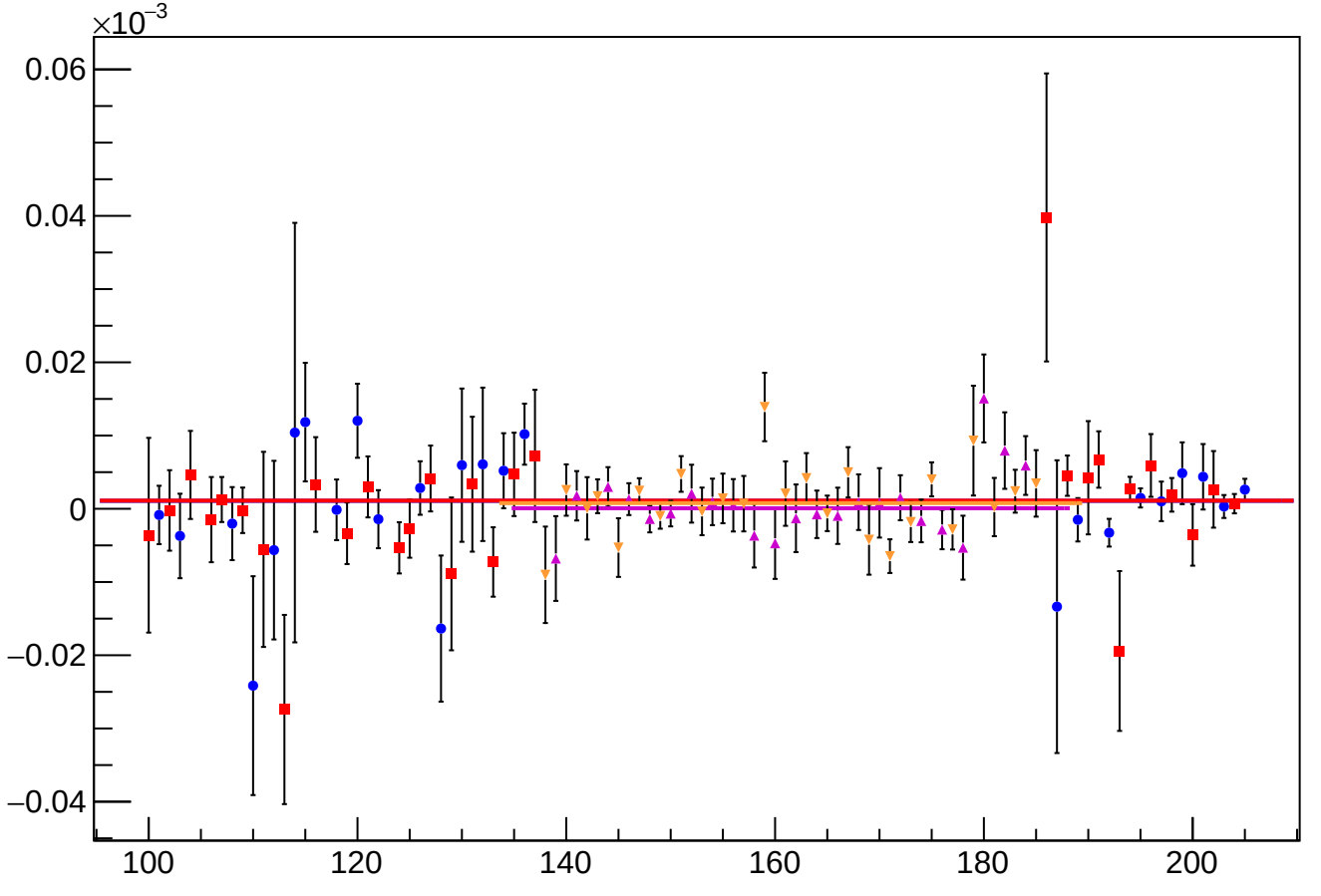
Left: 53.257+/-0.007 χ^2/NDF: 5798378.9/47

Right: 55.333+/-0.008 χ^2/NDF: 2994449.9/54

In: 53.926+/-0.007 χ^2/NDF:3764564.4/47

Out: 54.342+/-0.007 χ^2/NDF:5068370.0/54

All: 54.138+/-0.005 χ^2/NDF: 8834654.2/102



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/29

Left In: 0.000+/-0.000 χ^2/NDF:20.2/22

Left: 0.000+/-0.000 χ^2/NDF: 58.9/47

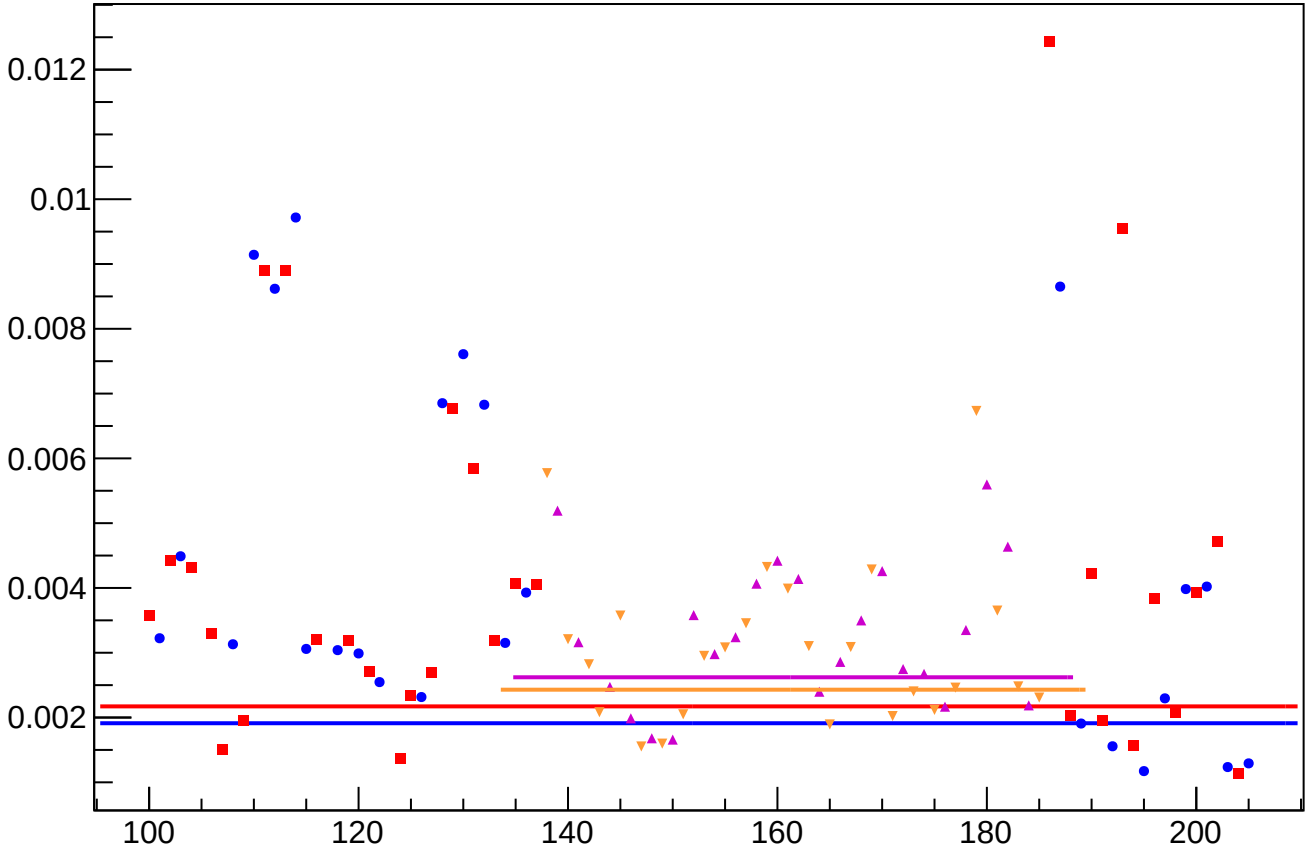
Right: 0.000+/-0.000 χ^2/NDF: 62.1/54

In: 0.000+/-0.000 χ^2/NDF:51.4/47

Out: 0.000+/-0.000 χ^2/NDF:70.4/54

All: 0.000+/-0.000 χ^2/NDF: 122.0/102

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.002+/-0.000 χ^2/NDF: 7050738.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7528828.0/29

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

Left: 0.003+/-0.000 χ^2/NDF: 8267035.6/47

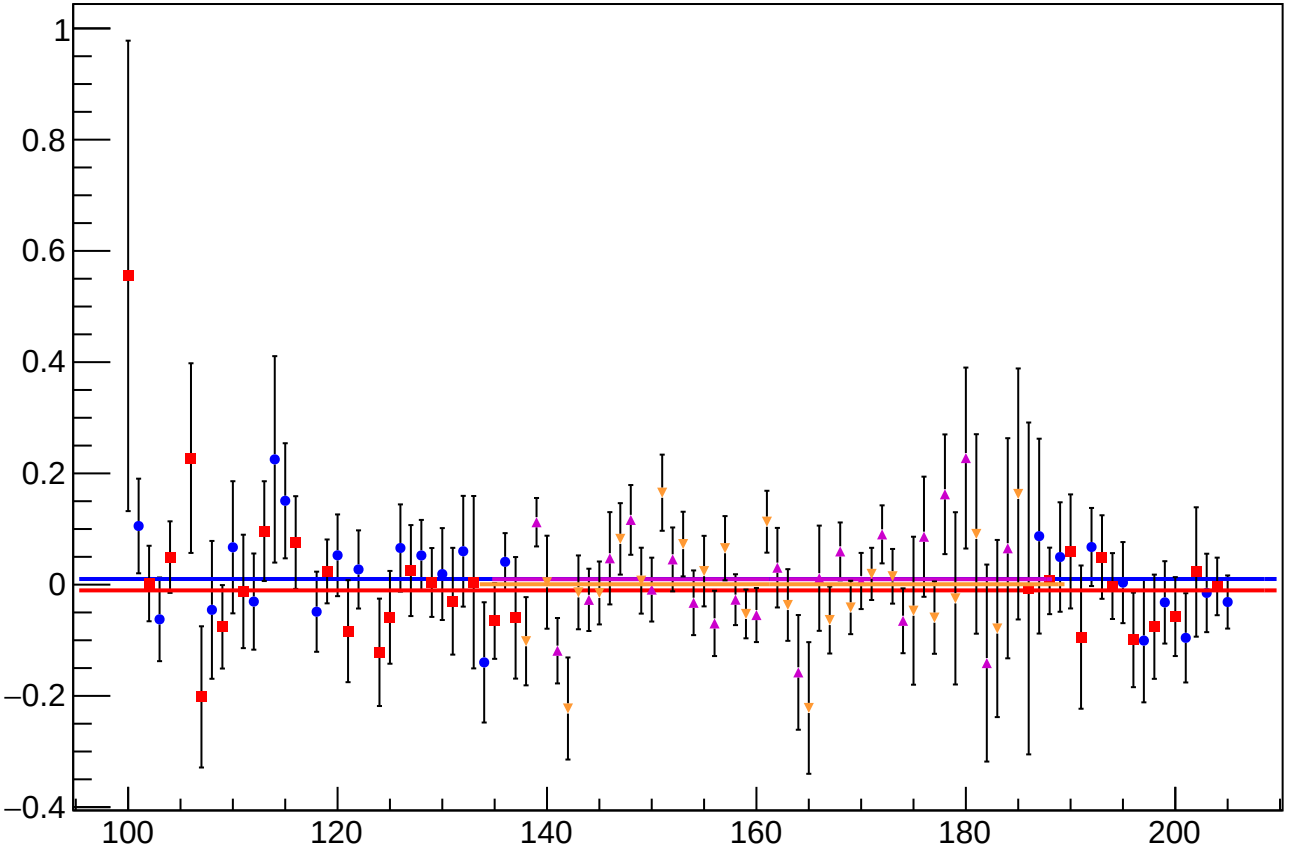
Right: 0.002+/-0.000 χ^2/NDF: 14743228.7/54

In: 0.002+/-0.000 χ^2/NDF:12233842.7/47

Out: 0.002+/-0.000 χ^2/NDF:11914757.2/54

All: 0.002+/-0.000 χ^2/NDF: 24175289.1/102

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

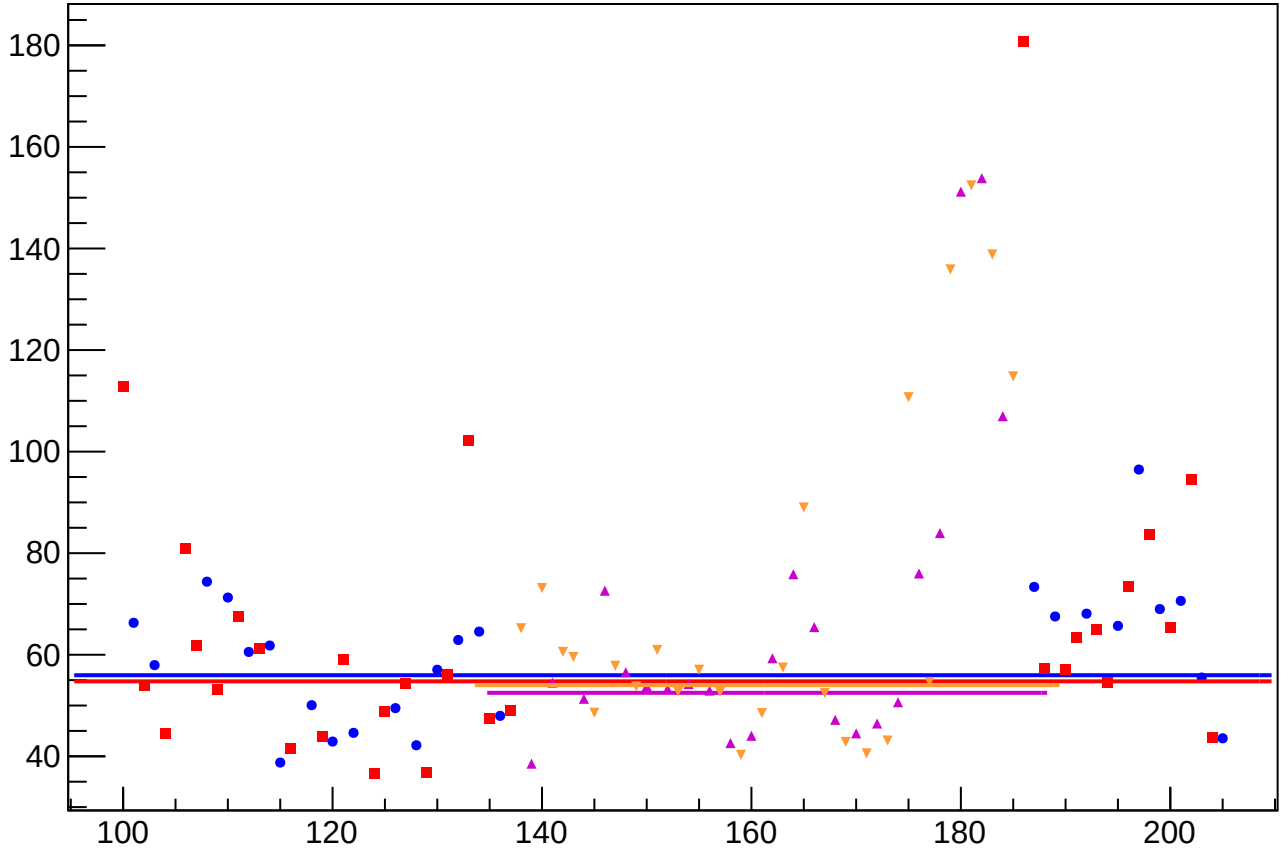
Right: -0.001+/-0.011 χ^2/NDF: 34.1/54

In: 0.010+/-0.010 χ^2/NDF:47.4/47

Out: -0.004+/-0.010 χ^2/NDF:49.7/54

All: 0.003+/-0.007 χ^2/NDF: 98.1/102

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.967+/-0.011 χ^2/NDF: 1150315.5/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 54.762+/-0.011 χ^2/NDF: 1838088.1/29

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

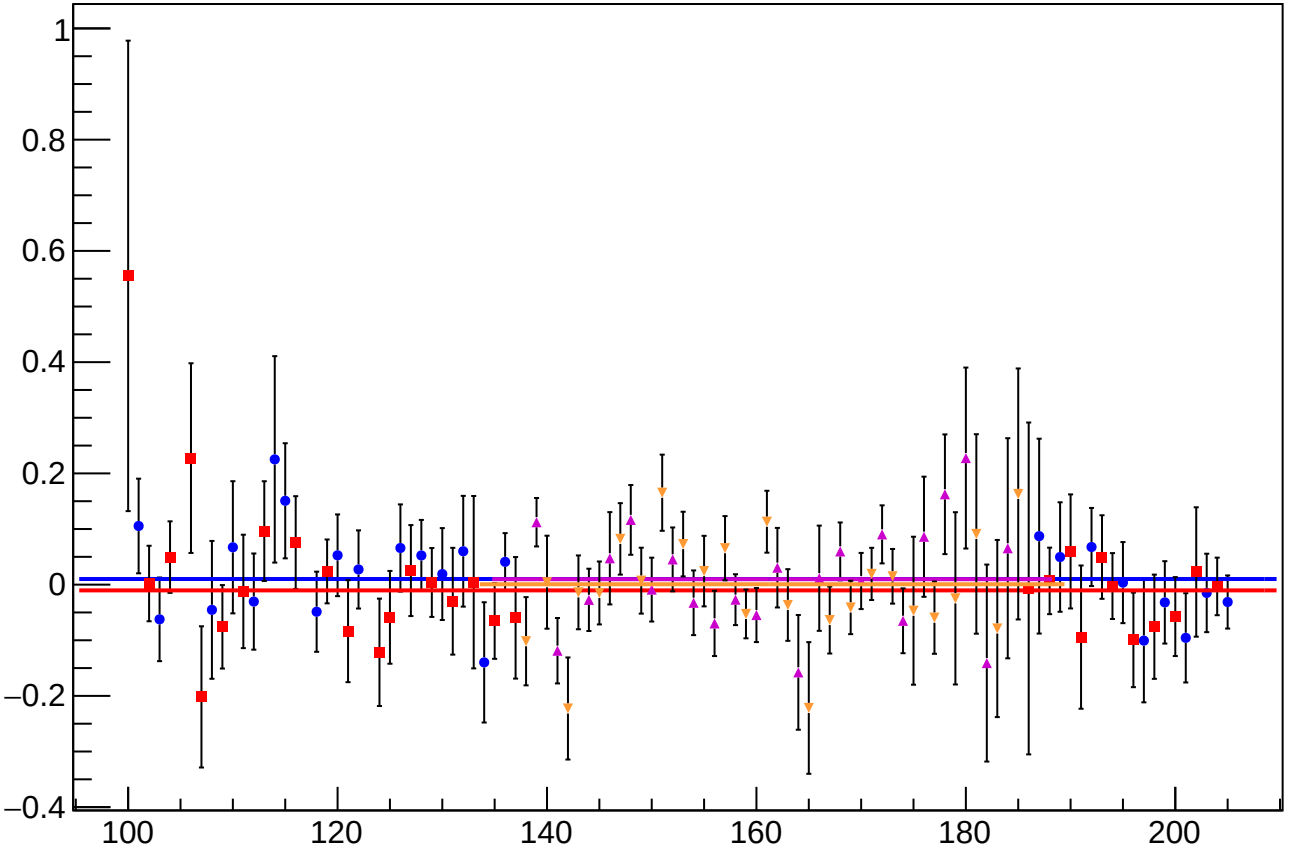
Right: 55.332+/-0.008 χ^2/NDF: 2994507.3/54

In: 53.926+/-0.007 χ^2/NDF:3764554.4/47

Out: 54.342+/-0.007 χ^2/NDF:5068451.8/54

All: 54.138+/-0.005 χ^2/NDF: 8834726.1/102

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.010+/-0.015 χ^2/NDF: 17.7/29

Left In: 0.010+/-0.013 χ^2/NDF:31.9/22

Left: 0.005+/-0.009 χ^2/NDF: 63.8/47

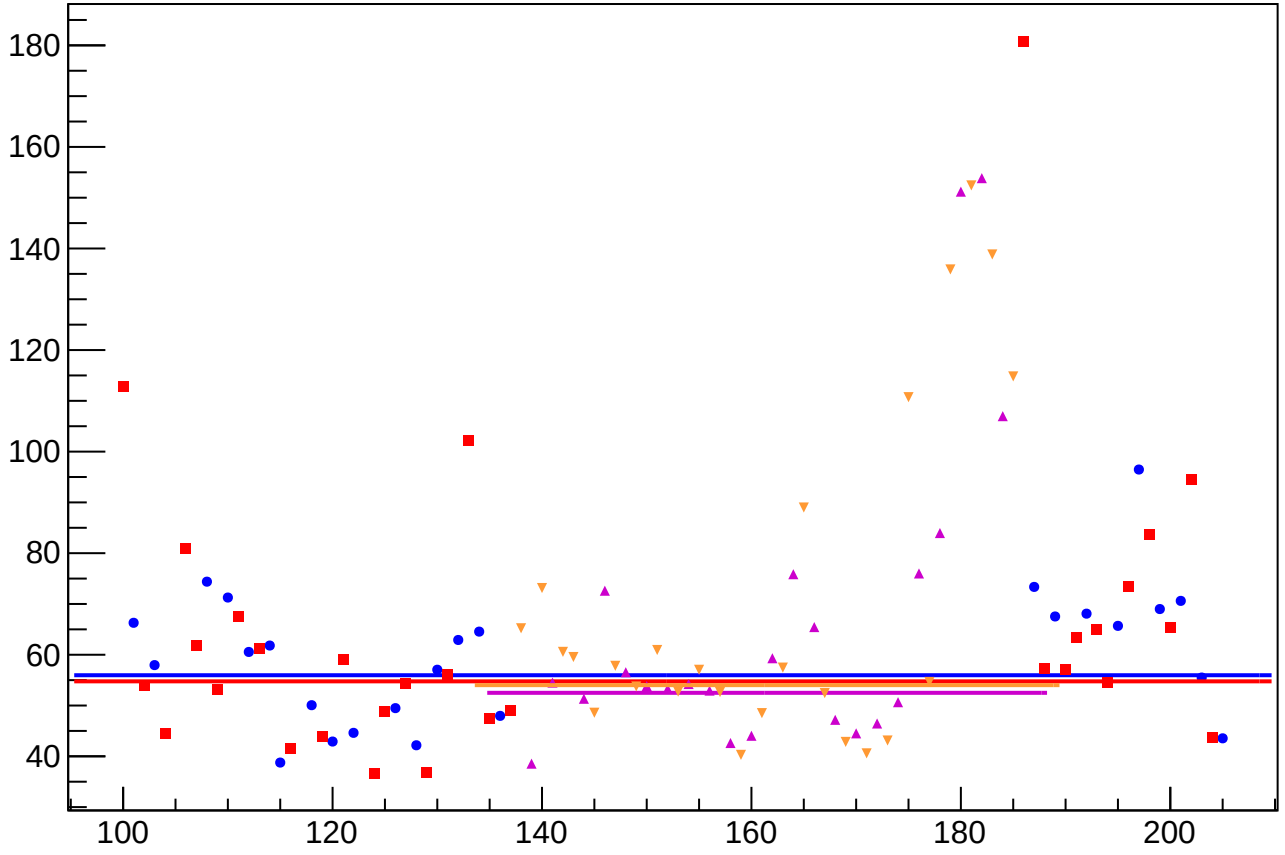
Right: -0.001+/-0.011 χ^2/NDF: 34.1/54

In: 0.010+/-0.010 χ^2/NDF:47.4/47

Out: -0.004+/-0.010 χ^2/NDF:49.7/54

All: 0.003+/-0.007 χ^2/NDF: 98.1/102

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 55.967+/-0.011 χ^2/NDF: 1150315.5/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

Right Out: 54.762+/-0.011 χ^2/NDF: 1838088.1/29

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

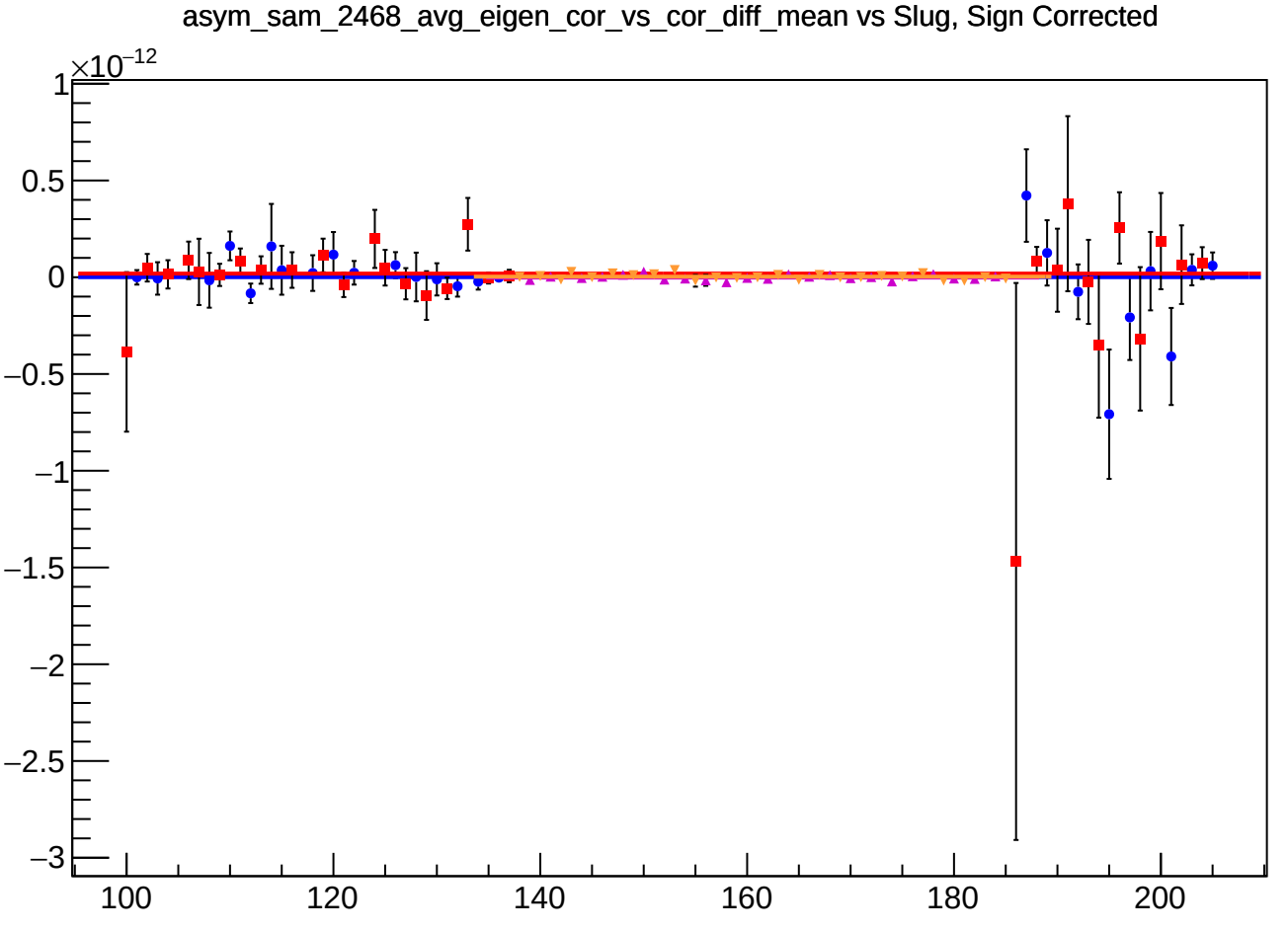
Left: 53.257+/-0.007 χ^2/NDF: 5798440.6/47

Right: 55.332+/-0.008 χ^2/NDF: 2994507.3/54

In: 53.926+/-0.007 χ^2/NDF:3764554.4/47

Out: 54.342+/-0.007 χ^2/NDF:5068451.8/54

All: 54.138+/-0.005 χ^2/NDF: 8834726.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 20.8/29

Left In: -0.000+/-0.000 χ^2/NDF:15.3/22

Left: 0.000+/-0.000 χ^2/NDF: 38.5/47

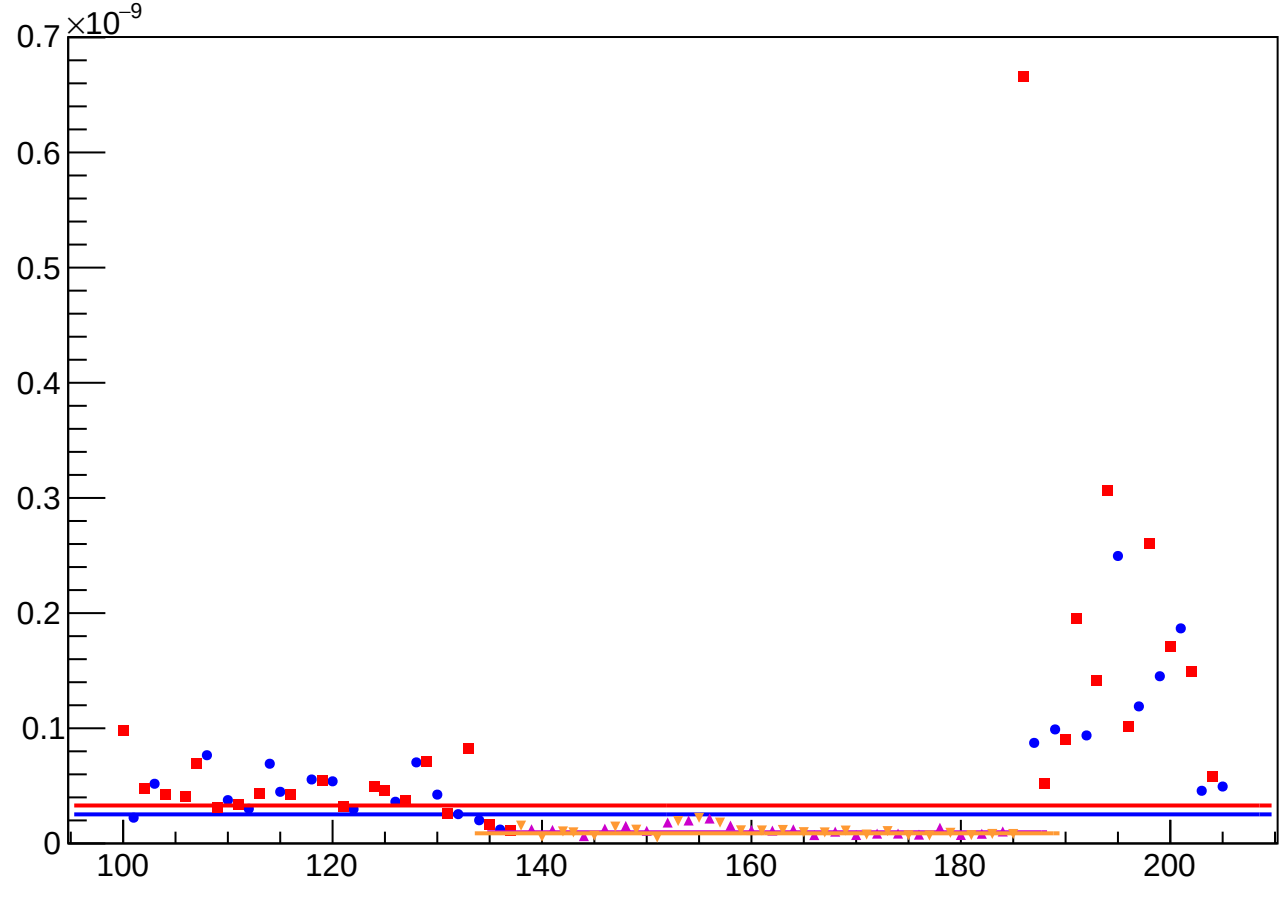
Right: 0.000+/-0.000 χ^2/NDF: 46.2/54

In: -0.000+/-0.000 χ^2/NDF:39.6/47

Out: 0.000+/-0.000 χ^2/NDF:43.9/54

All: 0.000+/-0.000 χ^2/NDF: 85.3/102

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 6860186.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7604361.3/29

Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

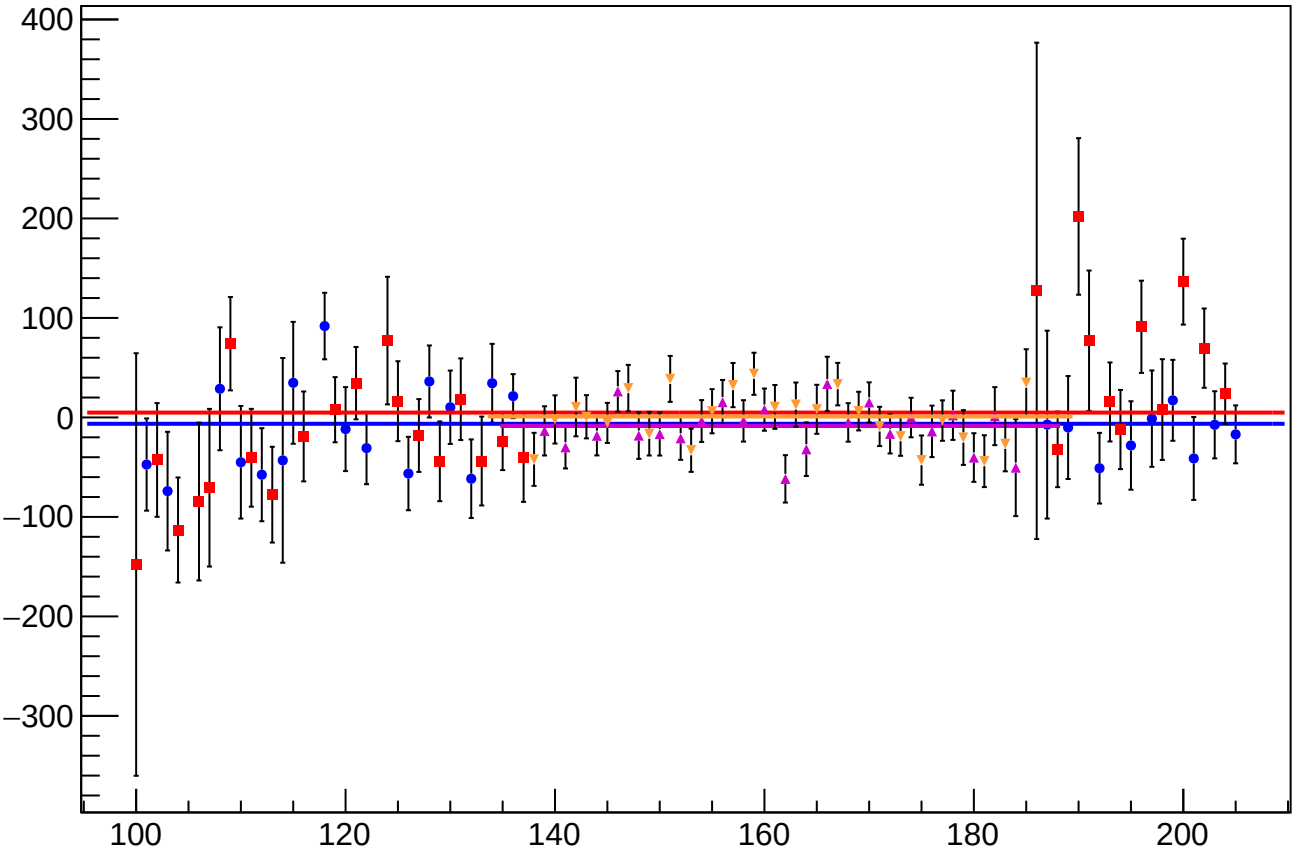
Left: 0.000+/-0.000 χ^2/NDF: 4948206.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14831411.0/54

In: 0.000+/-0.000 χ^2/NDF:12584092.8/47

Out: 0.000+/-0.000 χ^2/NDF:16011073.1/54

All: 0.000+/-0.000 χ^2/NDF: 28726714.8/102



Right In: -6.395+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: 4.885+/-8.185 χ^2/NDF: 46.4/29

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

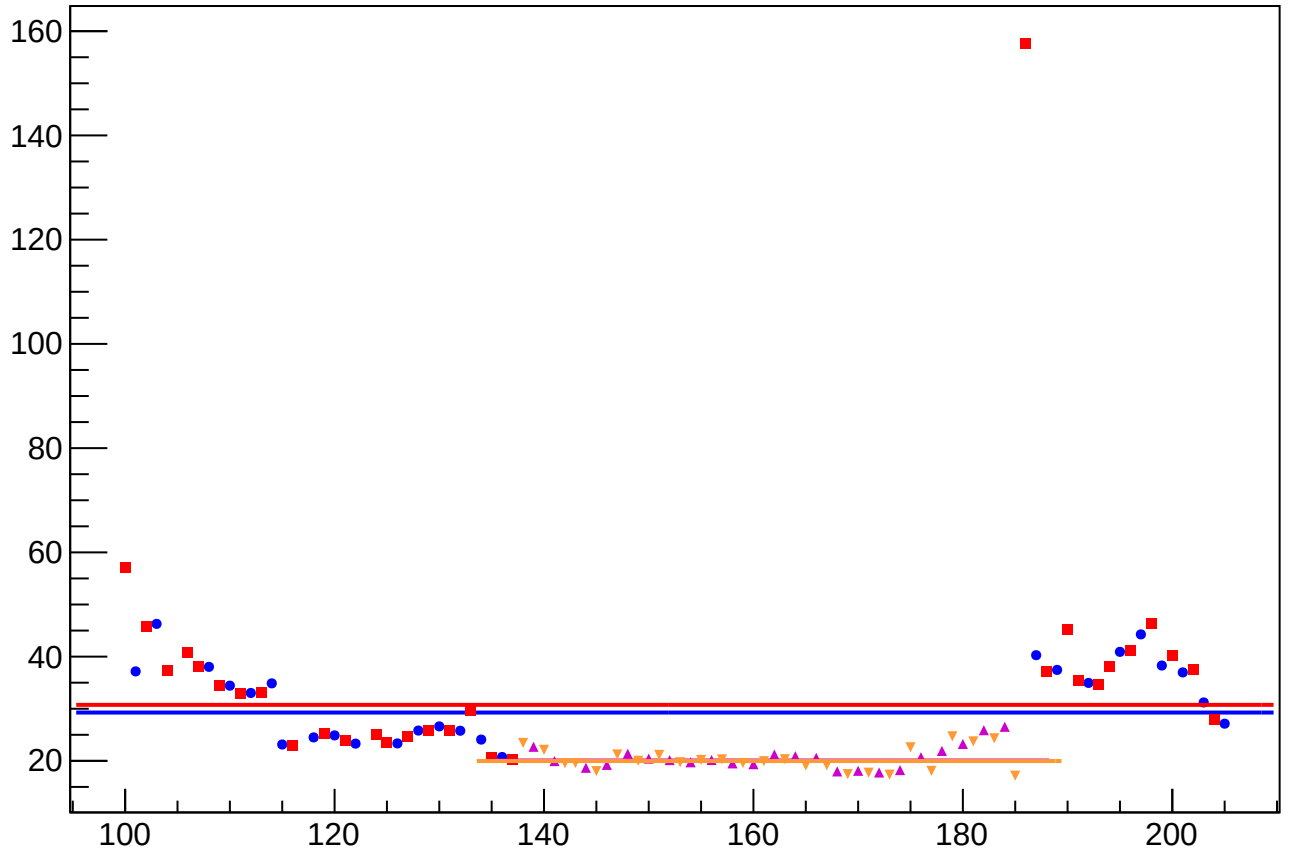
Left: -3.689+/-3.286 χ^2/NDF: 50.7/47

Right: -0.834+/-5.747 χ^2/NDF: 72.1/54

In: -8.038+/-4.077 χ^2/NDF:44.2/47

Out: 1.861+/-3.993 χ^2/NDF:75.8/54

All: -2.986+/-2.853 χ^2/NDF: 123.0/102



Right In: 29.271+/-0.006 χ^2/NDF: 1501054.9/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.747+/-0.006 χ^2/NDF: 2202962.0/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

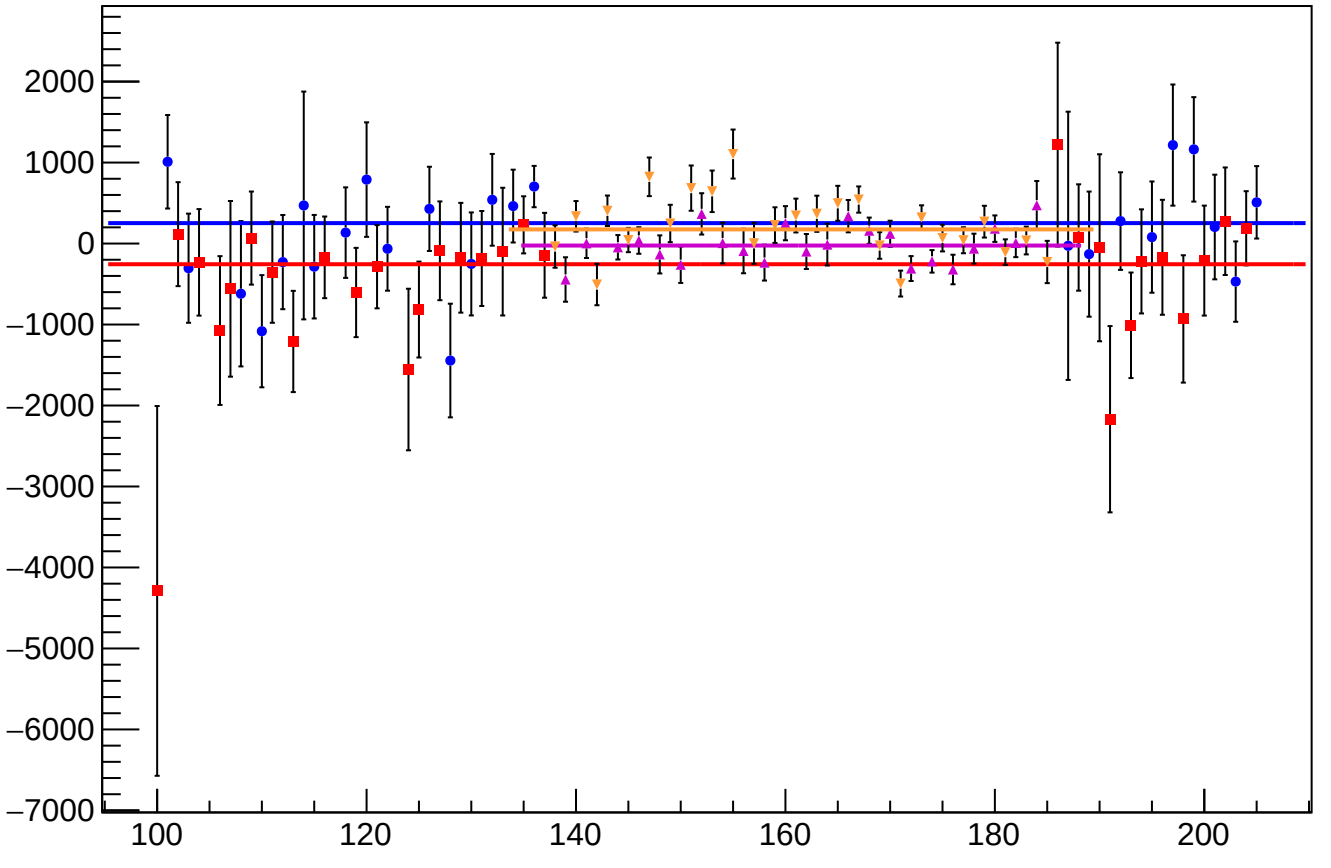
Left: 20.019+/-0.002 χ^2/NDF: 688968.6/47

Right: 29.999+/-0.004 χ^2/NDF: 3736973.7/54

In: 22.419+/-0.003 χ^2/NDF:3738035.7/47

Out: 22.534+/-0.003 χ^2/NDF:5232561.7/54

All: 22.478+/-0.002 χ^2/NDF: 8971396.9/102



Right In: 252.258+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: -255.431+/-116.974 χ^2/NDF: 20.2/29

Left In: -24.589+/-40.070 χ^2/NDF:26.9/22

Left: 77.623+/-27.966 χ^2/NDF: 110.8/47

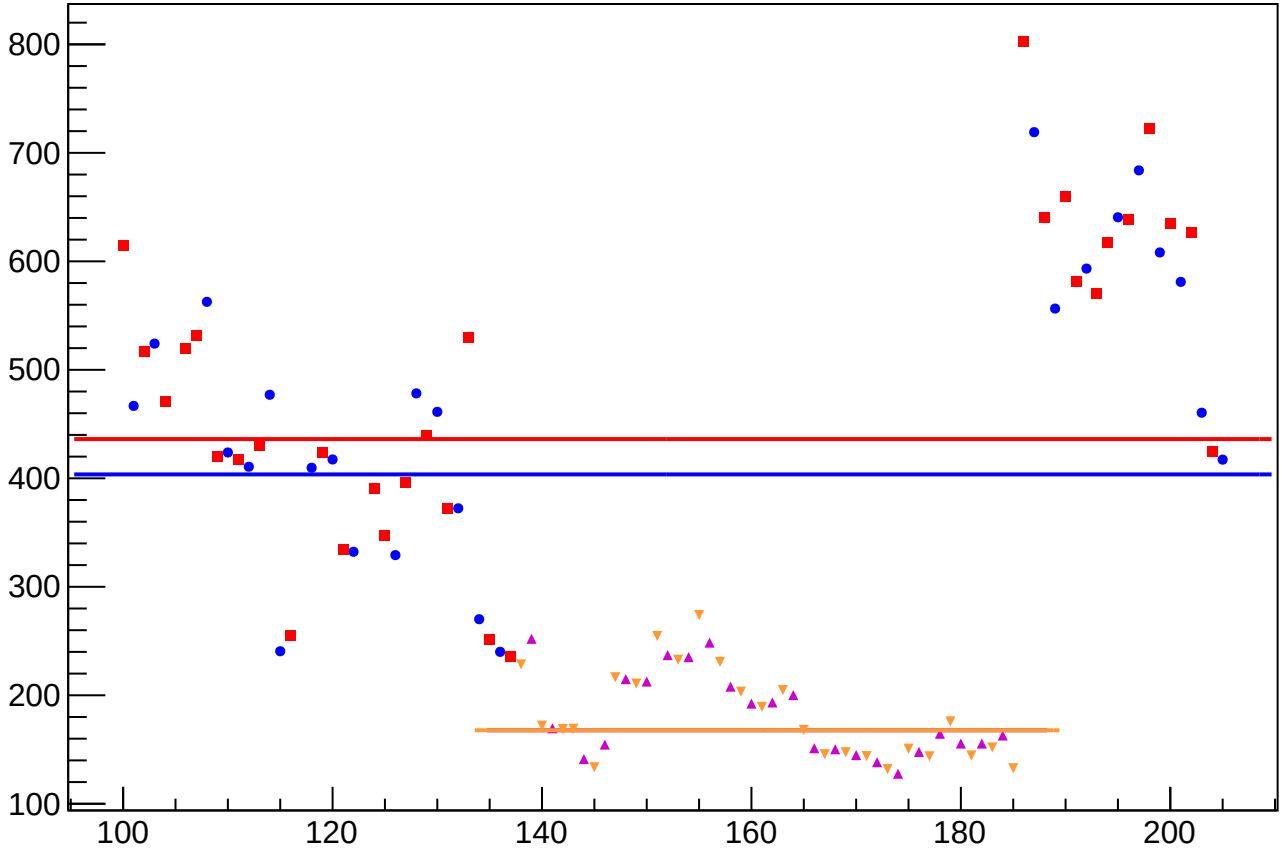
Right: 5.917+/-81.482 χ^2/NDF: 56.0/54

In: 6.061+/-37.787 χ^2/NDF:58.3/47

Out: 131.566+/-37.040 χ^2/NDF:103.6/54

All: 70.067+/-26.451 χ^2/NDF: 167.5/102

asym_sam_1357_2468_dd_reg_correction_rms vs Slug, Sign Corrected



Right In: 403.599+/-0.080 χ^2/NDF: 2659166.8/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 436.181+/-0.083 χ^2/NDF: 2851331.5/29

Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

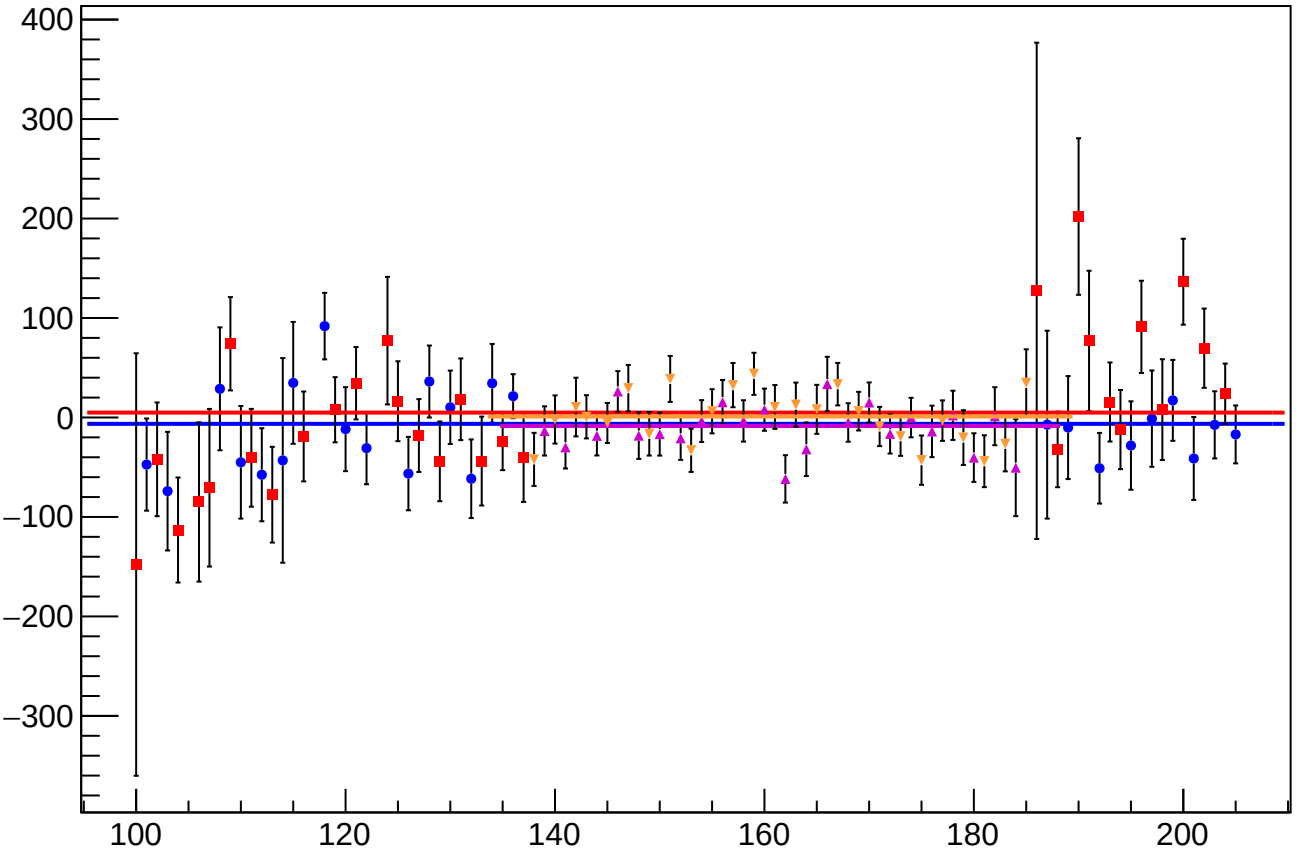
Left: 167.751+/-0.020 χ^2/NDF: 2981357.0/47

Right: 419.408+/-0.058 χ^2/NDF: 5590373.9/54

In: 193.859+/-0.027 χ^2/NDF:11733235.4/47

Out: 194.668+/-0.026 χ^2/NDF:13905284.0/54

All: 194.272+/-0.019 χ^2/NDF: 25638987.0/10



Right In: -6.393+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 4.913+/-8.186 χ^2/NDF: 46.3/29

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

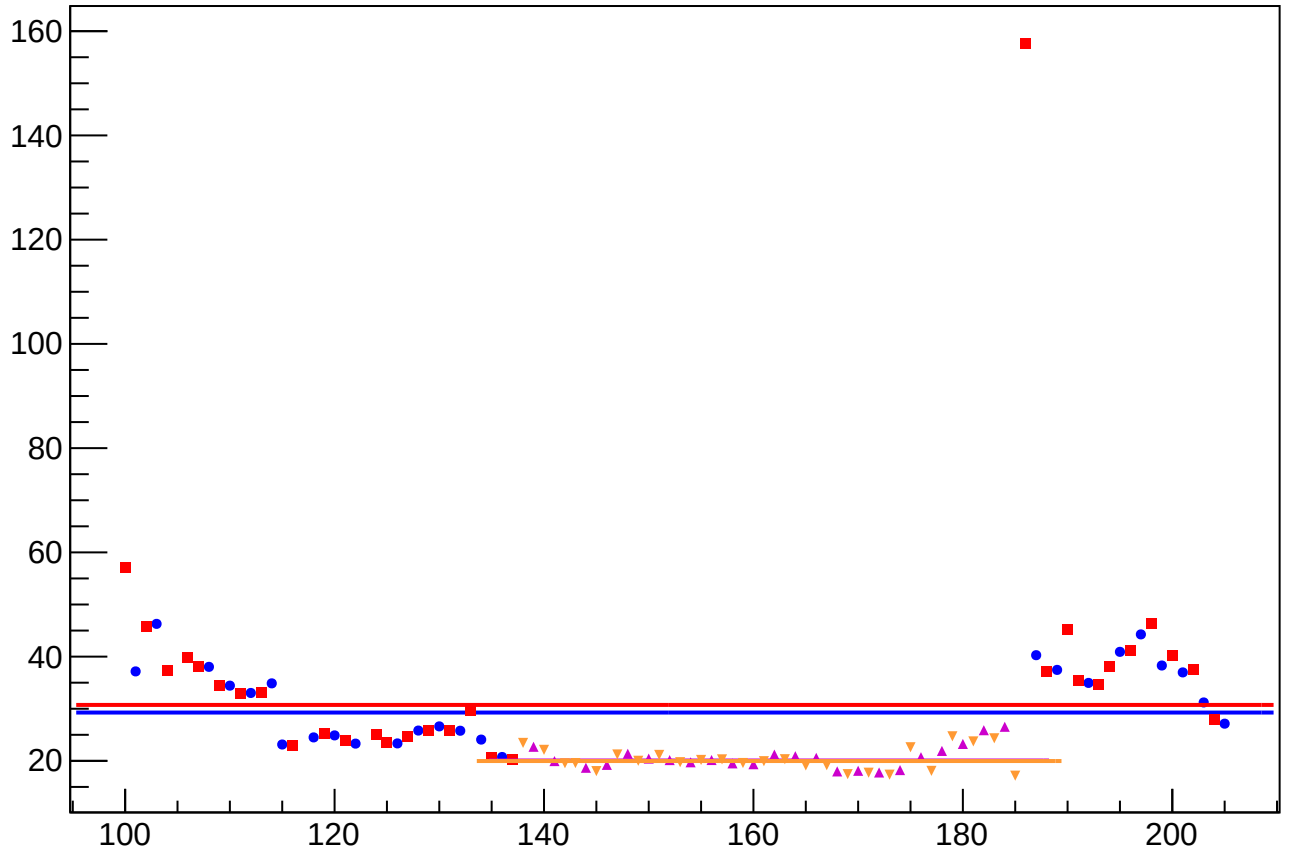
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -0.820+/-5.747 χ^2/NDF: 72.0/54

In: -8.037+/-4.077 χ^2/NDF:44.2/47

Out: 1.866+/-3.993 χ^2/NDF:75.7/54

All: -2.983+/-2.853 χ^2/NDF: 122.9/102



Right In: 29.271+/-0.006 χ^2/NDF: 1501058.1/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.734+/-0.006 χ^2/NDF: 2196133.1/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

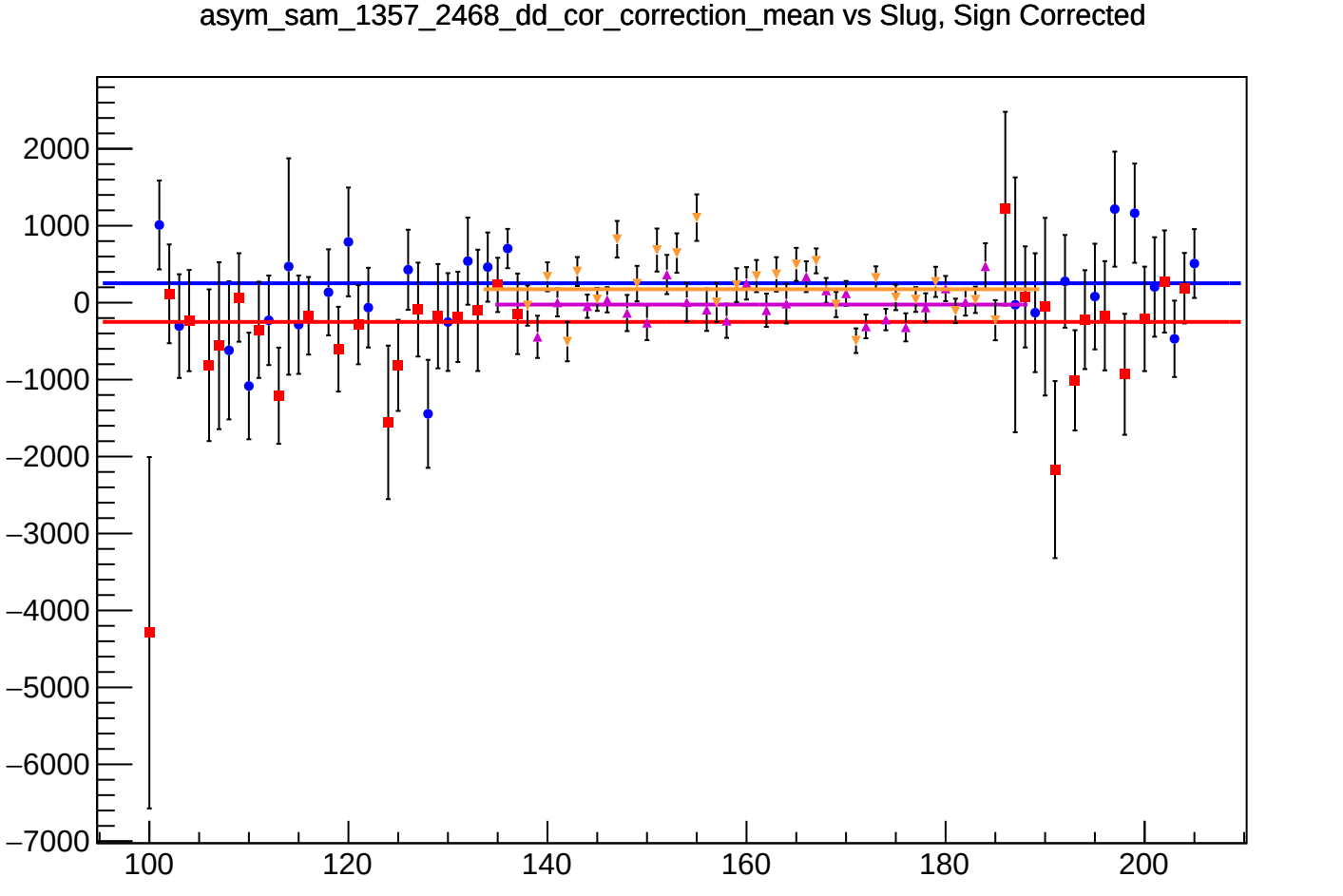
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.992+/-0.004 χ^2/NDF: 3729559.2/54

In: 22.419+/-0.003 χ^2/NDF:3738039.1/47

Out: 22.530+/-0.003 χ^2/NDF:5218857.2/54

All: 22.476+/-0.002 χ^2/NDF: 8957646.8/102



Right In: 252.253+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -250.056+/-117.101 χ^2/NDF: 19.7/29

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

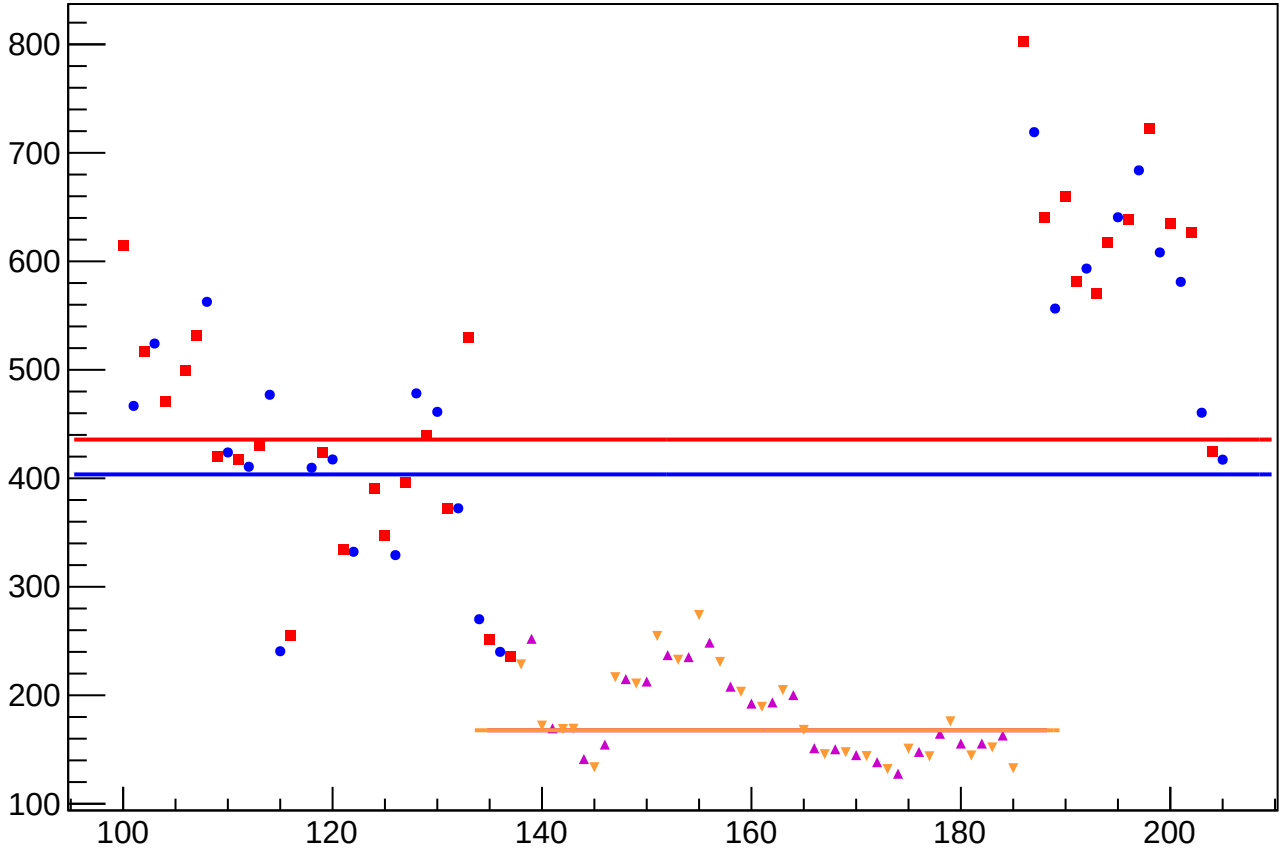
Right: 8.794+/-81.525 χ^2/NDF: 55.3/54

In: 6.059+/-37.787 χ^2/NDF:58.3/47

Out: 132.186+/-37.044 χ^2/NDF:102.8/54

All: 70.376+/-26.453 χ^2/NDF: 166.8/102

asym_sam_1357_2468_dd_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.599+/-0.080 χ^2/NDF: 2659192.7/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.720+/-0.083 χ^2/NDF: 2843120.4/29

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

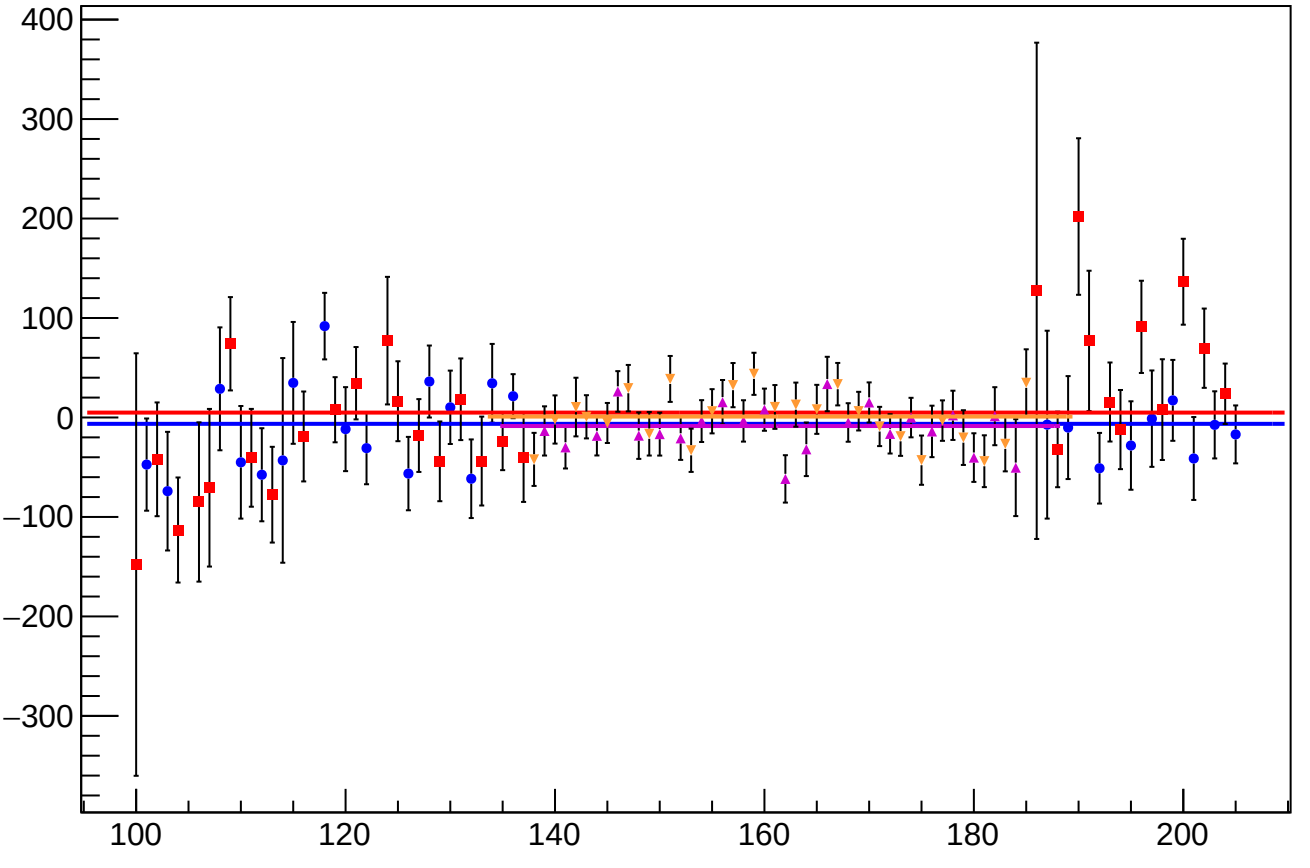
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 419.168+/-0.058 χ^2/NDF: 5579860.4/54

In: 193.859+/-0.027 χ^2/NDF:11733249.1/47

Out: 194.570+/-0.026 χ^2/NDF:13846208.9/54

All: 194.222+/-0.019 χ^2/NDF: 25579818.4/10



Right In: -6.393+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: 4.913+/-8.186 χ^2/NDF: 46.3/29

Left In: -8.600+/-4.724 χ^2/NDF:19.4/22

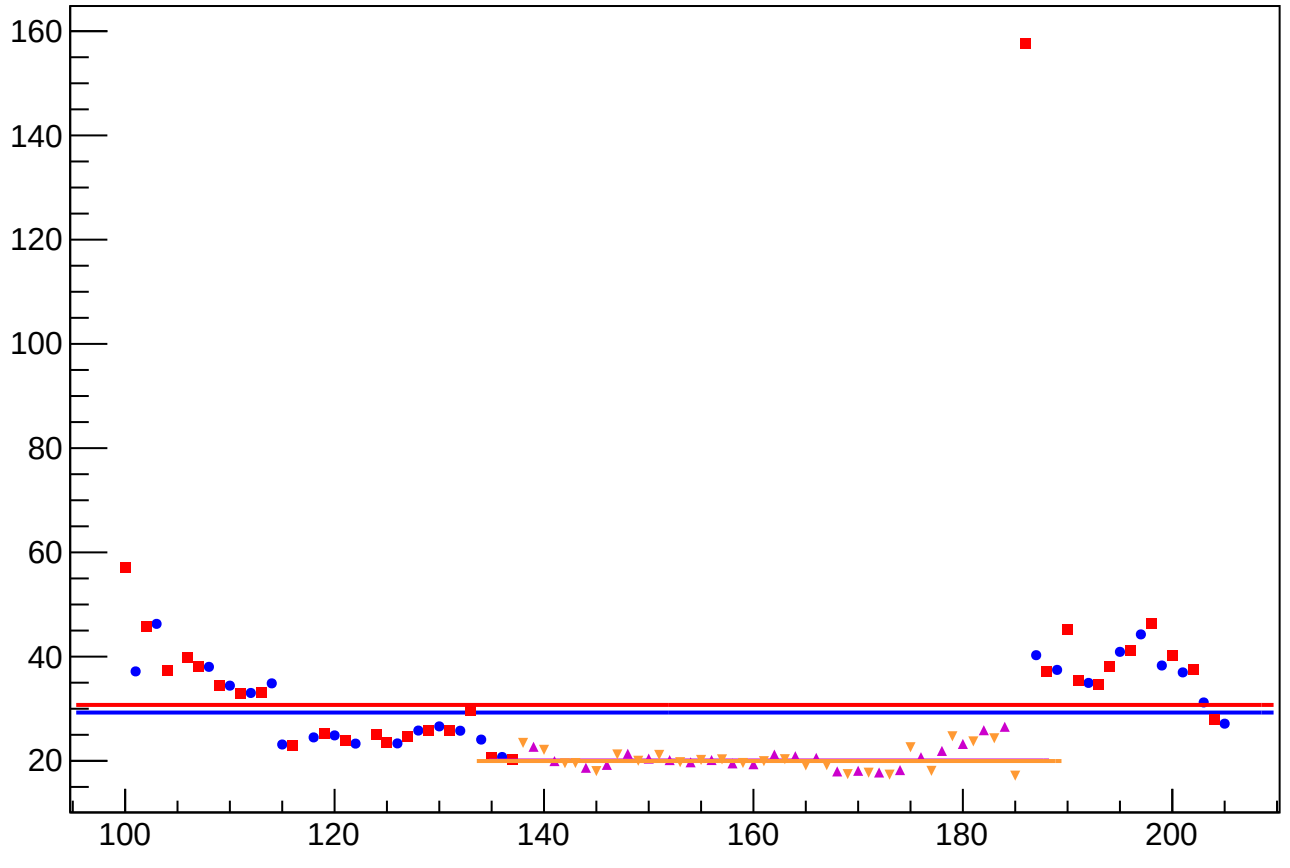
Left: -3.690+/-3.286 χ^2/NDF: 50.7/47

Right: -0.820+/-5.747 χ^2/NDF: 72.0/54

In: -8.037+/-4.077 χ^2/NDF:44.2/47

Out: 1.866+/-3.993 χ^2/NDF:75.7/54

All: -2.983+/-2.853 χ^2/NDF: 122.9/102



Right In: 29.271+/-0.006 χ^2/NDF: 1501058.1/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 30.734+/-0.006 χ^2/NDF: 2196133.1/29

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

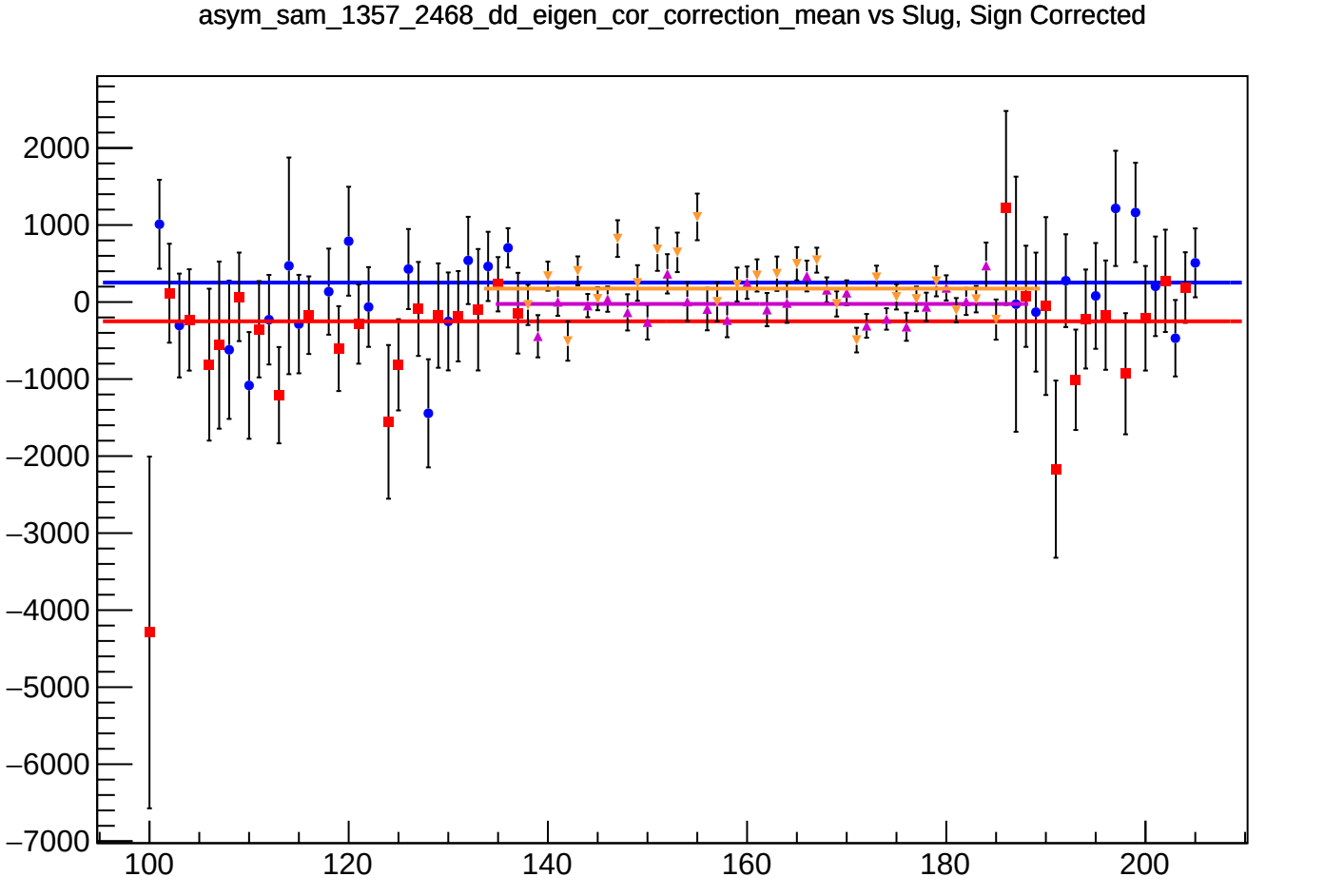
Left: 20.019+/-0.002 χ^2/NDF: 688968.7/47

Right: 29.992+/-0.004 χ^2/NDF: 3729559.2/54

In: 22.419+/-0.003 χ^2/NDF:3738039.1/47

Out: 22.530+/-0.003 χ^2/NDF:5218857.2/54

All: 22.476+/-0.002 χ^2/NDF: 8957646.8/102



Right In: 252.253+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

Right Out: -250.056+/-117.101 χ^2/NDF: 19.7/29

Left In: -24.590+/-40.070 χ^2/NDF:26.9/22

Left: 77.622+/-27.966 χ^2/NDF: 110.8/47

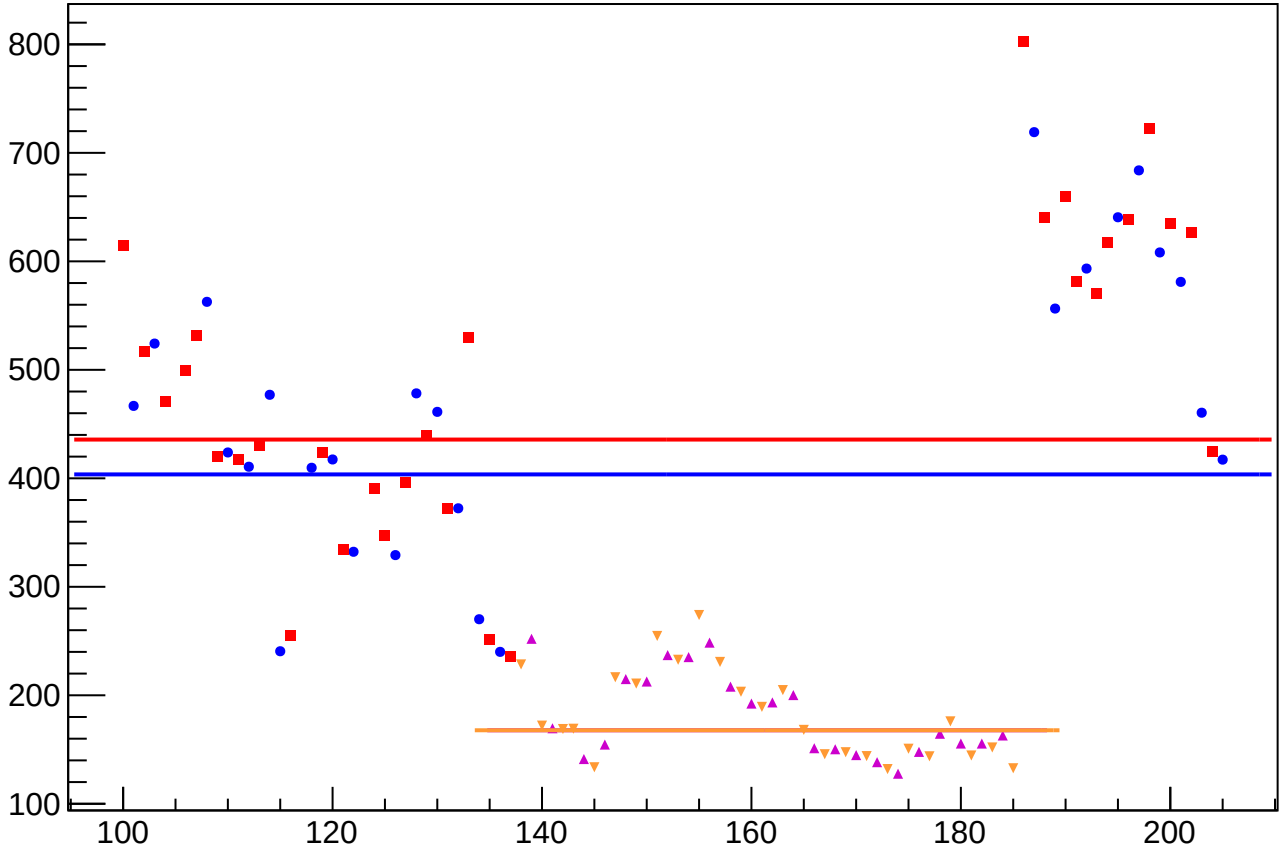
Right: 8.794+/-81.525 χ^2/NDF: 55.3/54

In: 6.059+/-37.787 χ^2/NDF:58.3/47

Out: 132.186+/-37.044 χ^2/NDF:102.8/54

All: 70.376+/-26.453 χ^2/NDF: 166.8/102

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 403.599+/-0.080 χ^2/NDF: 2659192.7/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 435.720+/-0.083 χ^2/NDF: 2843120.4/29

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

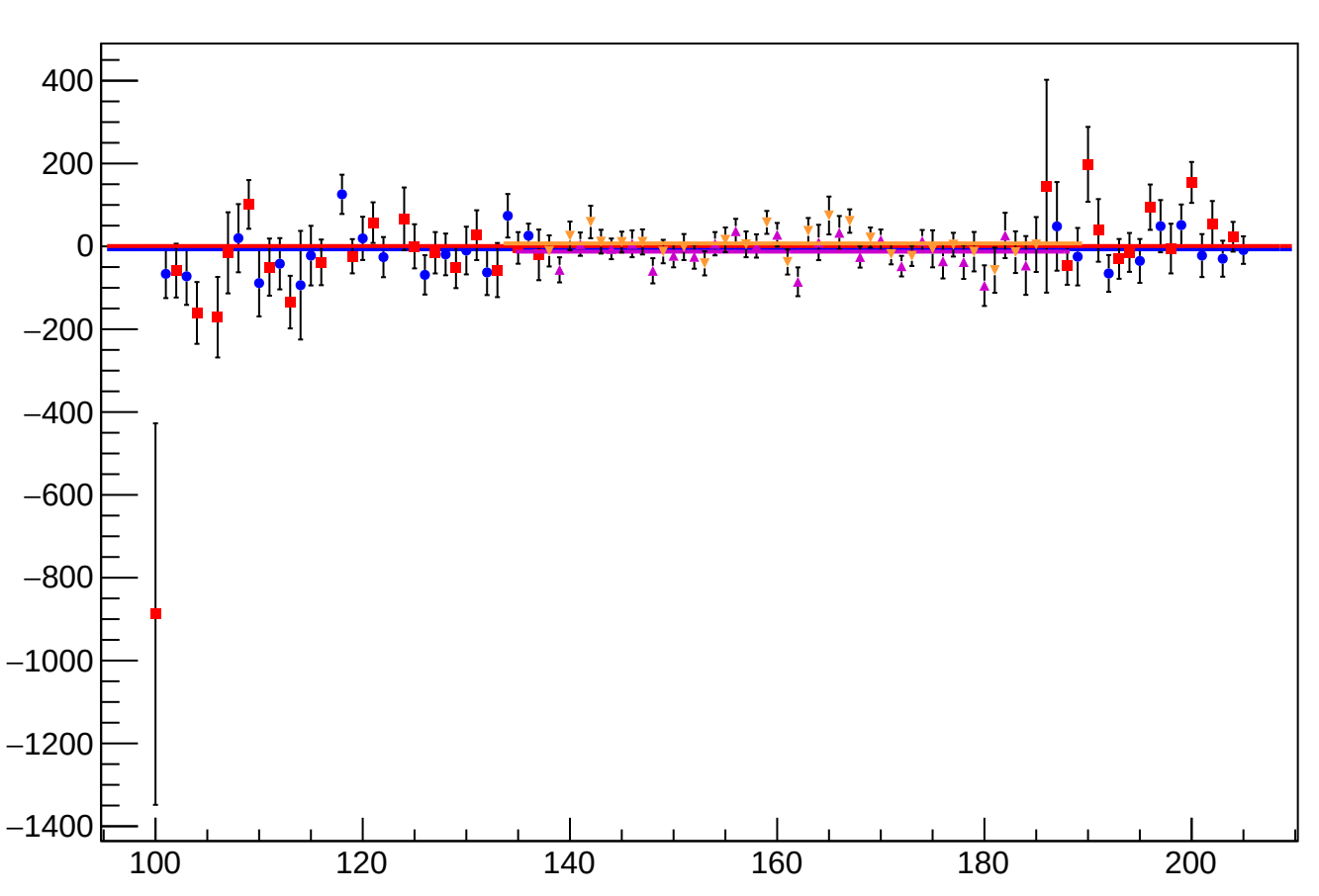
Left: 167.751+/-0.020 χ^2/NDF: 2981351.5/47

Right: 419.168+/-0.058 χ^2/NDF: 5579860.4/54

In: 193.859+/-0.027 χ^2/NDF:11733249.1/47

Out: 194.570+/-0.026 χ^2/NDF:13846208.9/54

All: 194.222+/-0.019 χ^2/NDF: 25579818.4/10



Right In: -7.046+/-10.431 χ^2/NDF: 23.4/24

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 0.770+/-10.373 χ^2/NDF: 46.4/29

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

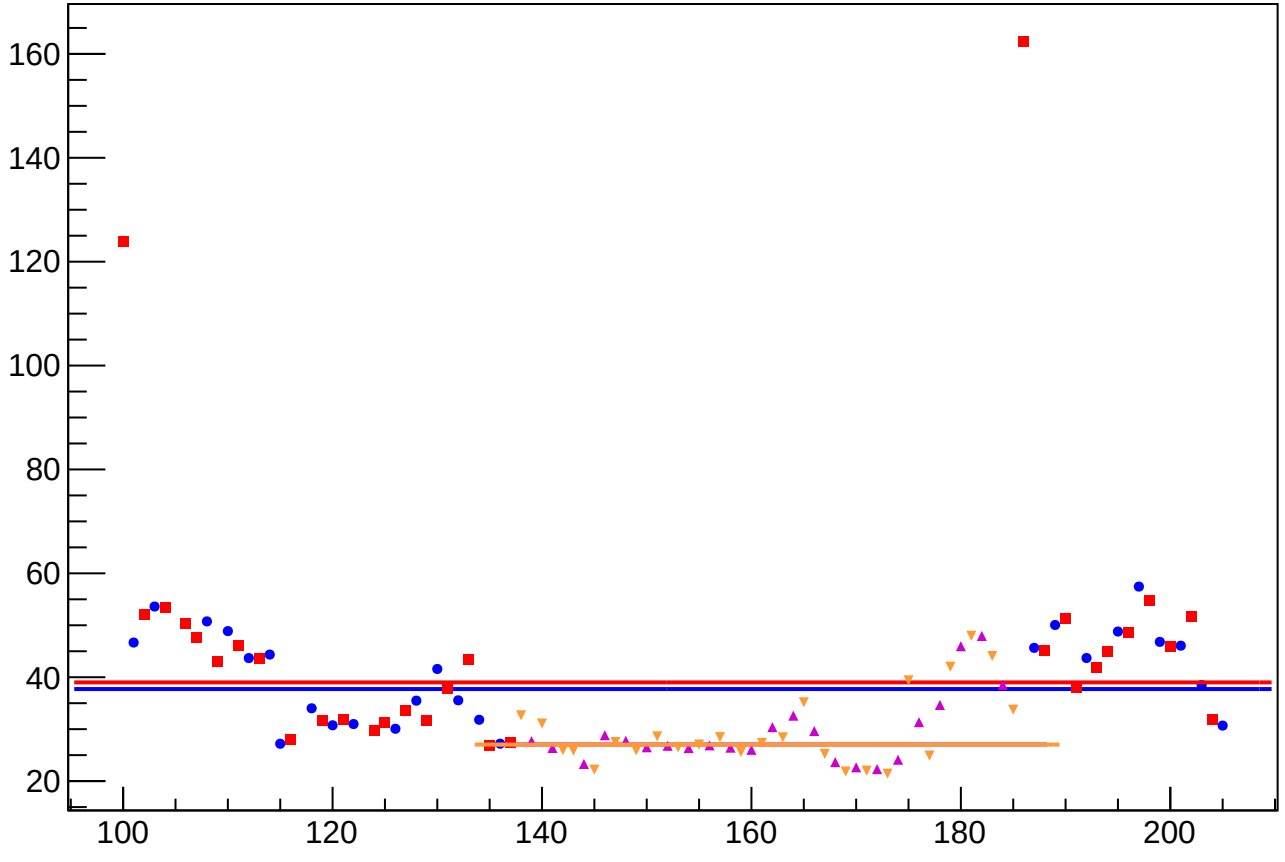
Right: -3.117+/-7.355 χ^2/NDF: 70.1/54

In: -11.112+/-5.525 χ^2/NDF:49.2/47

Out: 5.366+/-5.405 χ^2/NDF:69.4/54

All: -2.693+/-3.864 χ^2/NDF: 123.2/102

dit_asym_sam_1357_2468_dd_rms vs Slug, Sign Corrected



Right In: 37.725+/-0.007 χ^2/NDF: 1351826.6/24

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 39.003+/-0.007 χ^2/NDF: 1906715.6/29

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

Left: 27.039+/-0.003 χ^2/NDF: 2474899.1/47

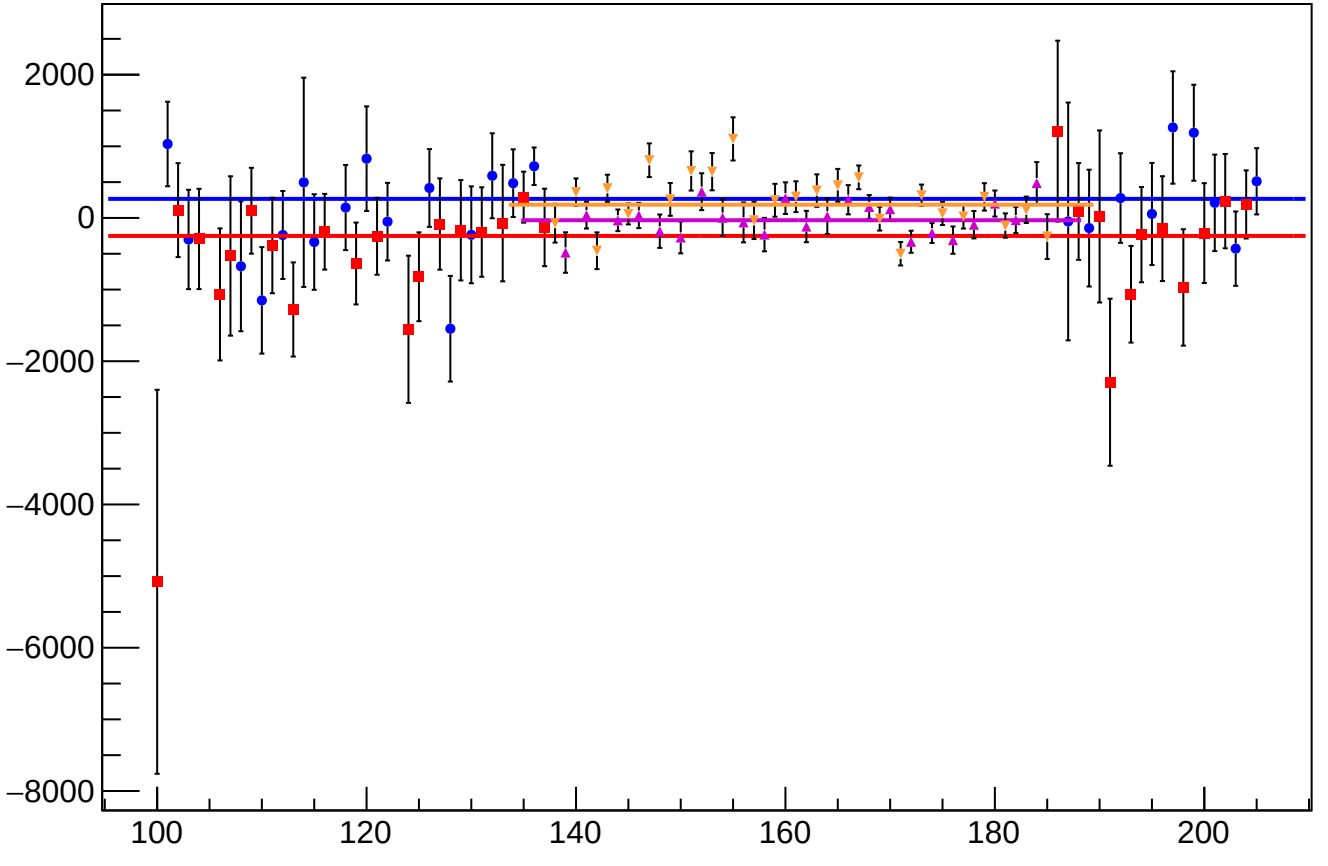
Right: 38.367+/-0.005 χ^2/NDF: 3273642.0/54

In: 30.046+/-0.004 χ^2/NDF:3902611.0/47

Out: 30.278+/-0.004 χ^2/NDF:5279293.7/54

All: 30.165+/-0.003 χ^2/NDF: 9183707.0/102

asym_sam_1357_2468_dd_dit_correction_mean vs Slug, Sign Corrected



Right In: 266.319+/-118.132 χ^2/NDF: 25.7/24

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

Right Out: -251.000+/-121.046 χ^2/NDF: 21.0/29

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

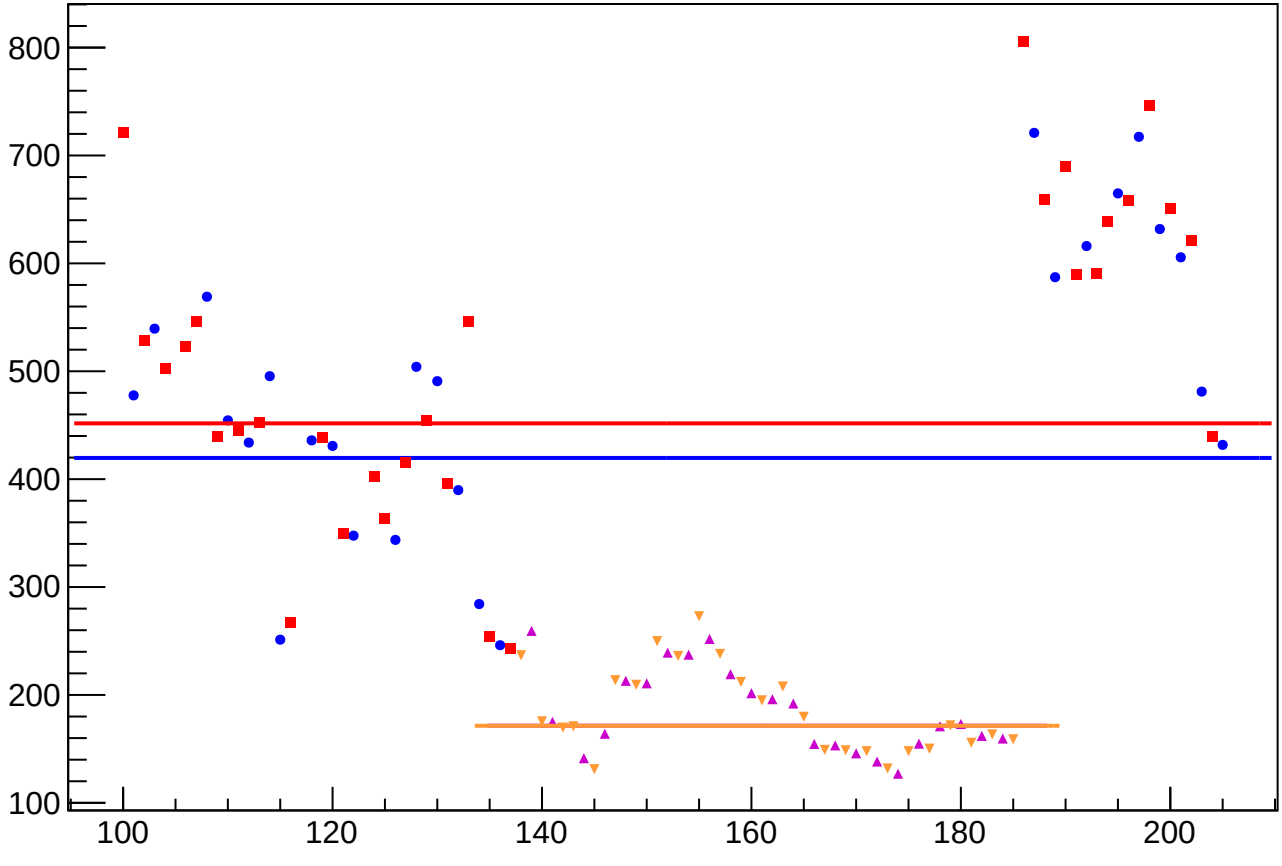
Right: 13.962+/-84.543 χ^2/NDF: 56.1/54

In: 0.134+/-38.712 χ^2/NDF:57.8/47

Out: 142.108+/-37.836 χ^2/NDF:100.4/54

All: 72.746+/-27.059 χ^2/NDF: 165.1/102

asym_sam_1357_2468_dd_dit_correction_rms vs Slug, Sign Corrected



Right In: 419.667+/-0.084 χ^2/NDF: 2700842.8/24

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 451.720+/-0.086 χ^2/NDF: 2823779.8/29

Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

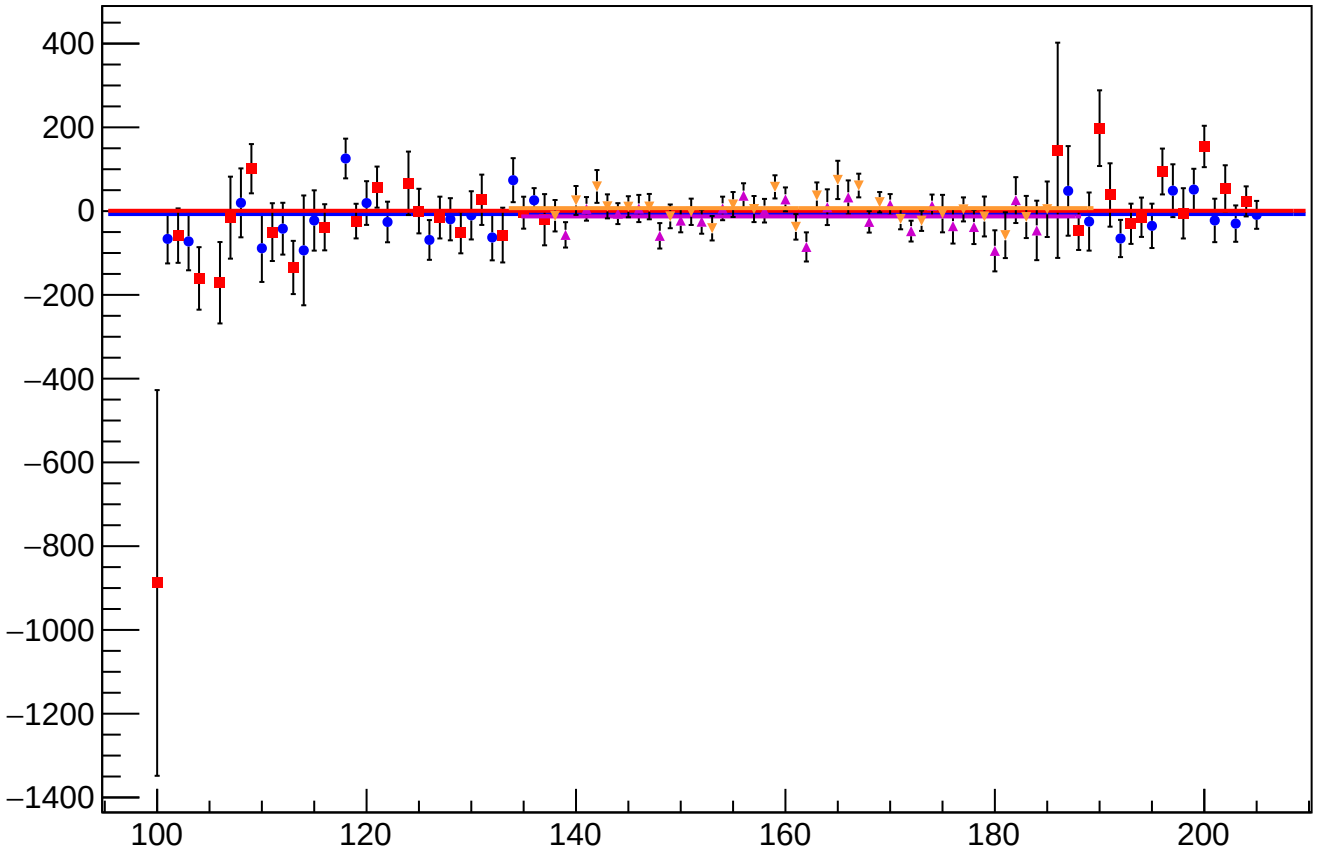
Left: 171.457+/-0.020 χ^2/NDF: 2942623.8/47

Right: 435.303+/-0.060 χ^2/NDF: 5596447.9/54

In: 198.142+/-0.027 χ^2/NDF:11995799.8/47

Out: 198.812+/-0.027 χ^2/NDF:14026736.8/54

All: 198.485+/-0.019 χ^2/NDF: 26022843.7/10



Right In: -7.047+/-10.431 χ^2/NDF: 23.4/24

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: 0.770+/-10.373 χ^2/NDF: 46.4/29

Left In: -12.697+/-6.513 χ^2/NDF:25.6/22

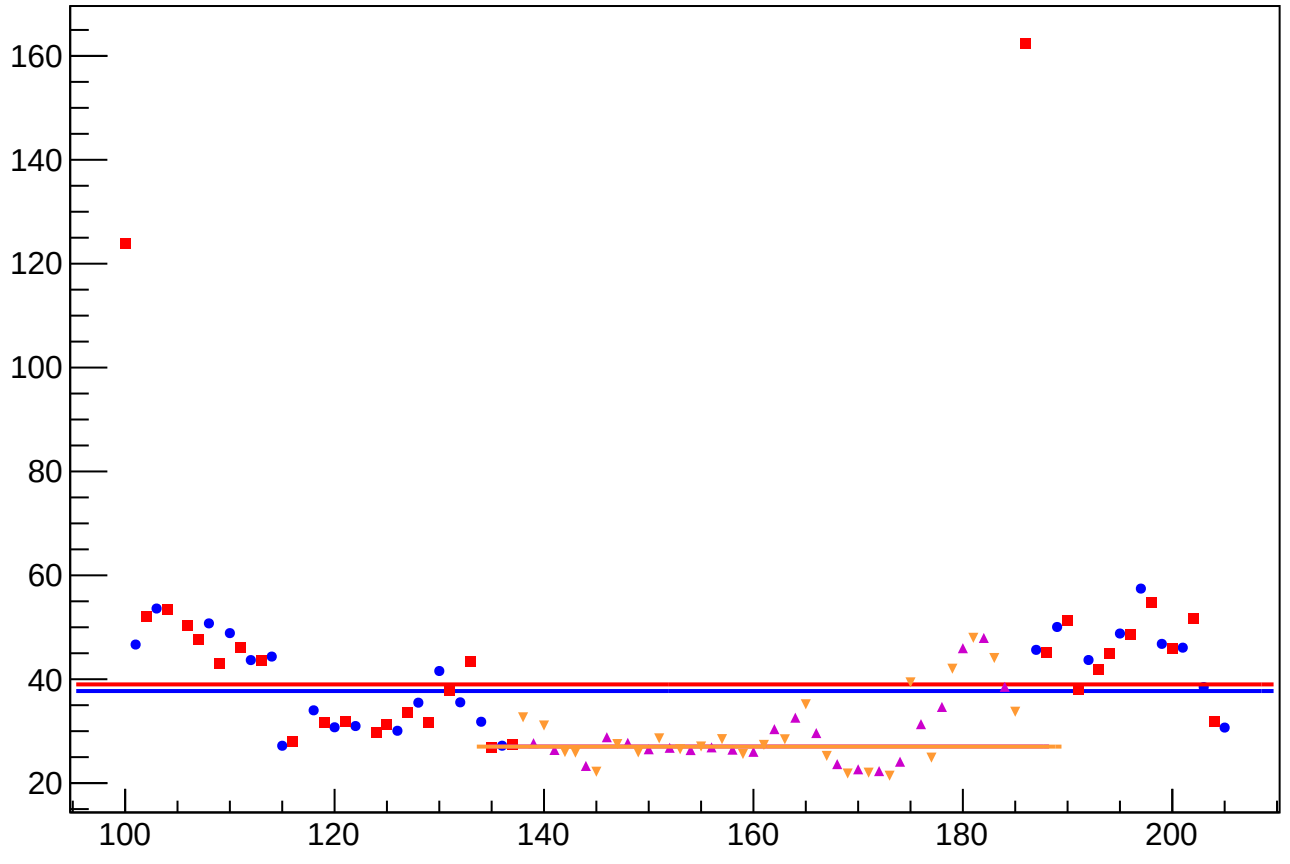
Left: -2.531+/-4.541 χ^2/NDF: 53.1/47

Right: -3.117+/-7.355 χ^2/NDF: 70.1/54

In: -11.112+/-5.525 χ^2/NDF:49.2/47

Out: 5.366+/-5.405 χ^2/NDF:69.4/54

All: -2.693+/-3.864 χ^2/NDF: 123.2/102



Right In: 37.724+/-0.007 χ^2/NDF: 1351823.8/24

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

Right Out: 39.003+/-0.007 χ^2/NDF: 1906746.1/29

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

Left: 27.039+/-0.003 χ^2/NDF: 2474889.1/47

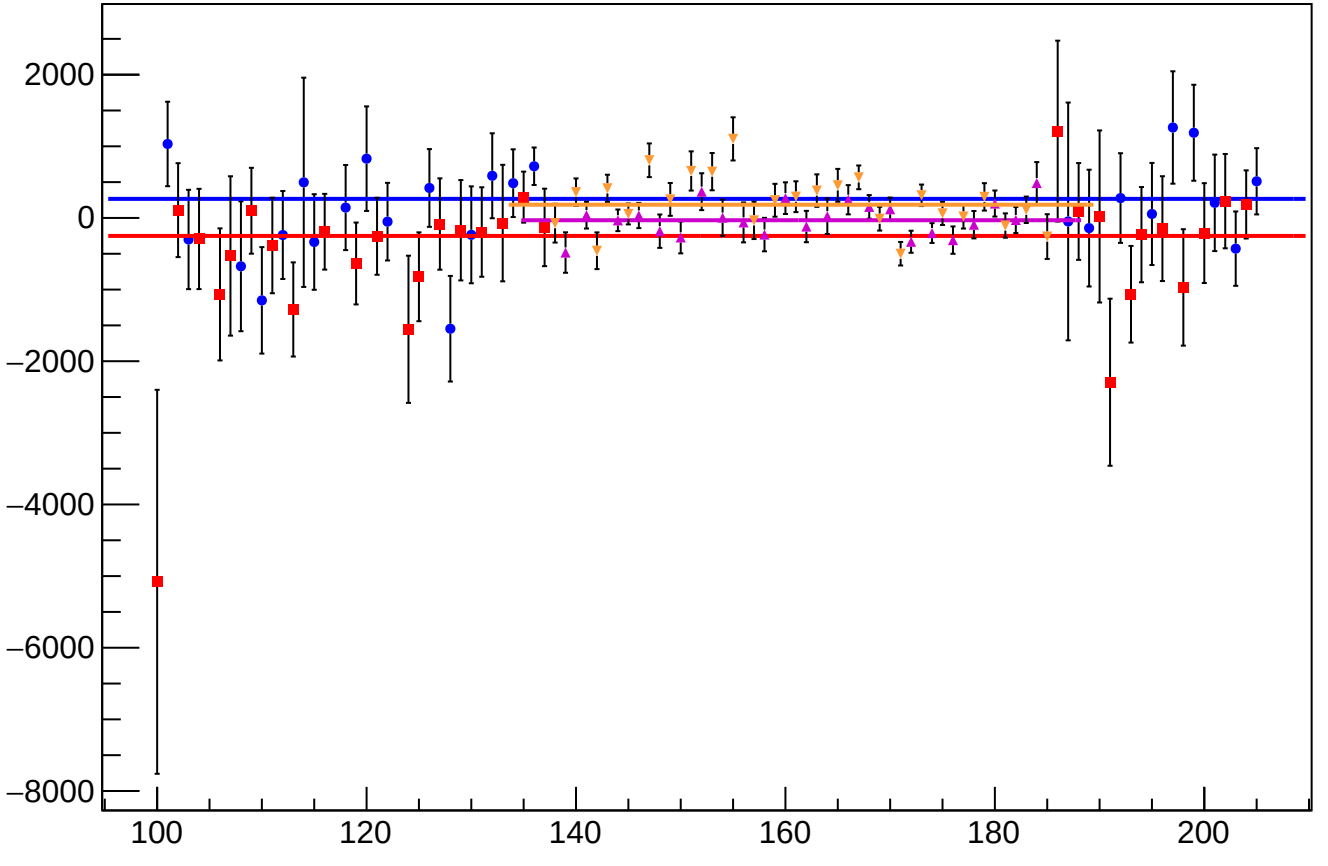
Right: 38.367+/-0.005 χ^2/NDF: 3273671.1/54

In: 30.046+/-0.004 χ^2/NDF:3902484.7/47

Out: 30.278+/-0.004 χ^2/NDF:5279221.8/54

All: 30.165+/-0.003 χ^2/NDF: 9183509.5/102

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: 266.318+/-118.132 χ^2/NDF: 25.7/24

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

Right Out: -251.000+/-121.046 χ^2/NDF: 21.0/29

Left In: -31.891+/-40.975 χ^2/NDF:26.4/22

Left: 79.454+/-28.561 χ^2/NDF: 108.4/47

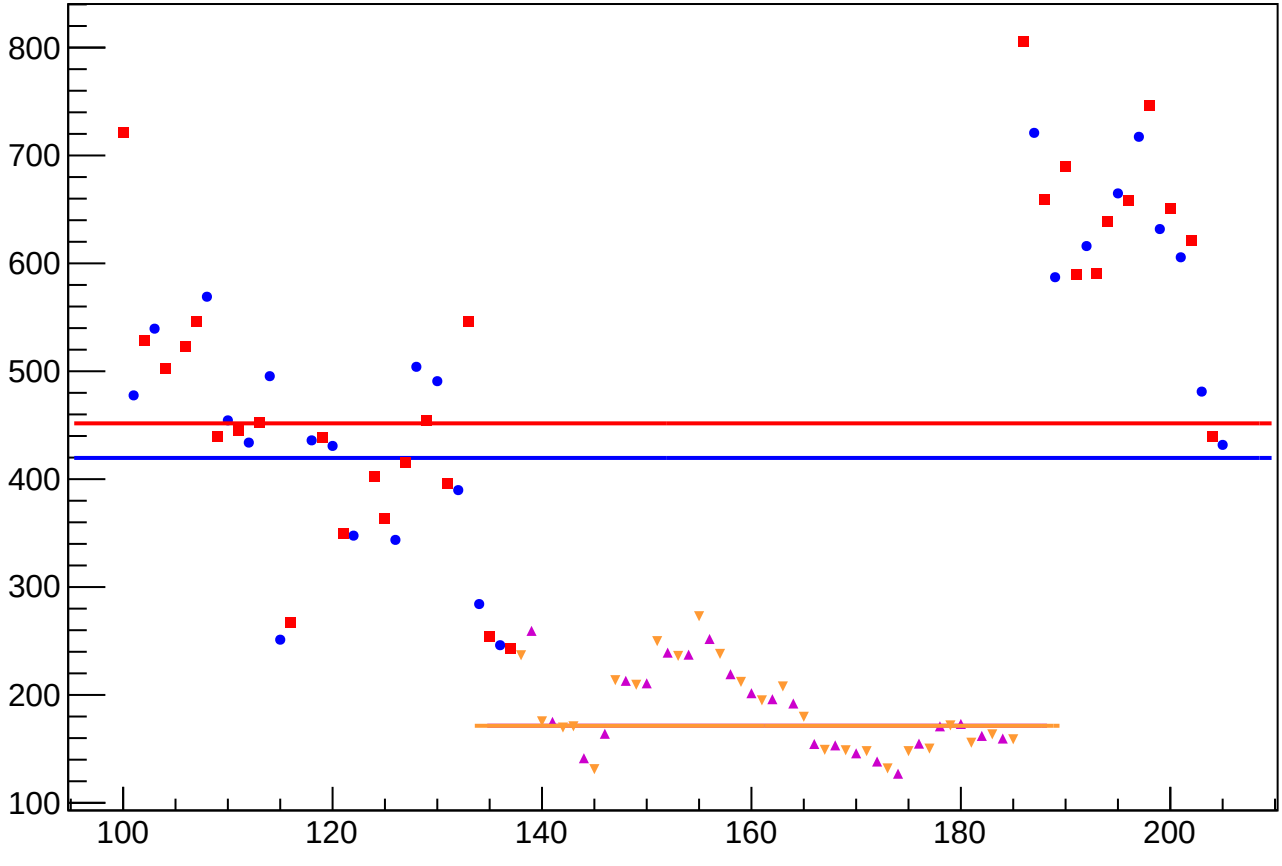
Right: 13.962+/-84.543 χ^2/NDF: 56.1/54

In: 0.133+/-38.712 χ^2/NDF:57.8/47

Out: 142.107+/-37.836 χ^2/NDF:100.4/54

All: 72.745+/-27.059 χ^2/NDF: 165.1/102

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 419.666+/-0.084 χ^2/NDF: 2700847.9/24

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 451.719+/-0.086 χ^2/NDF: 2823791.0/29

Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

Left: 171.457+/-0.020 χ^2/NDF: 2942653.5/47

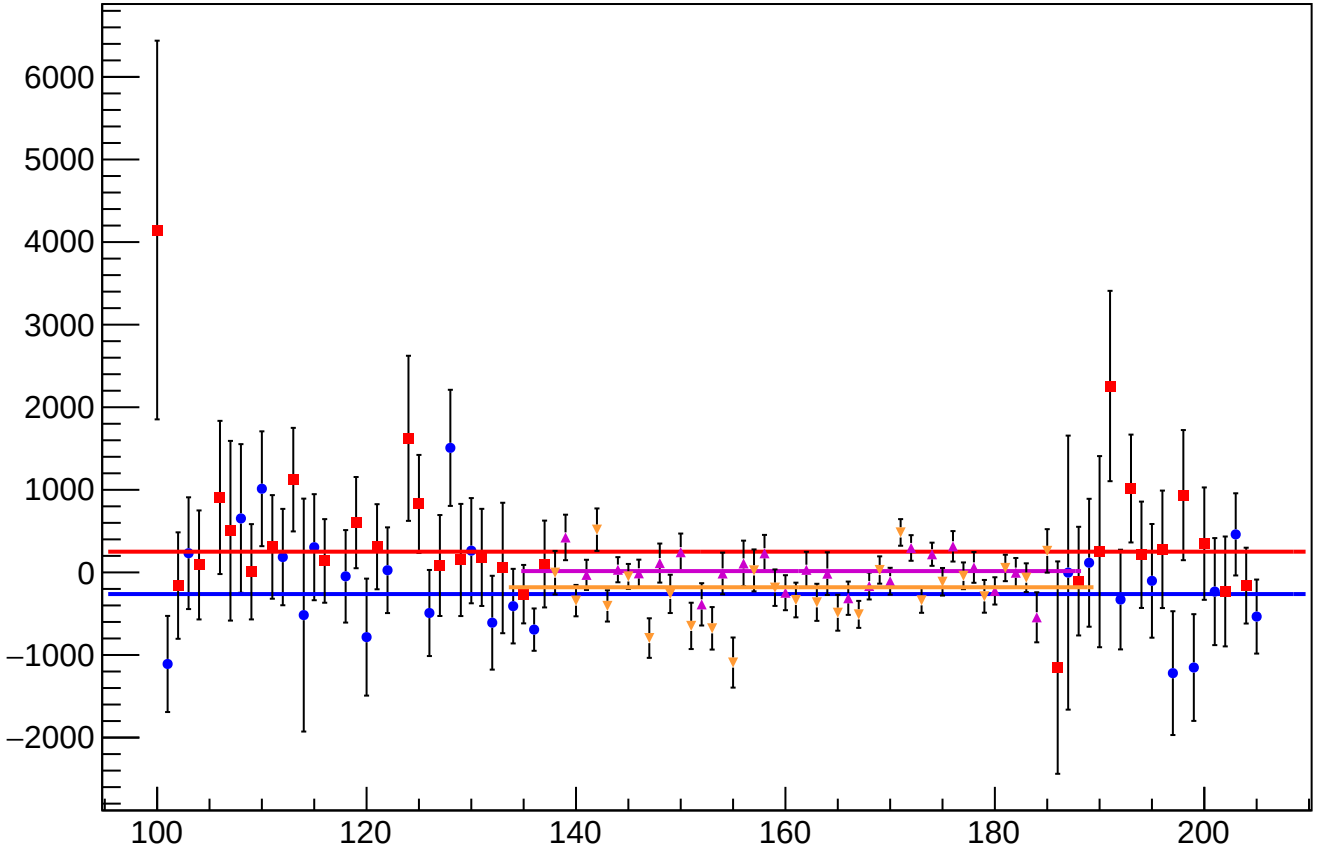
Right: 435.302+/-0.060 χ^2/NDF: 5596464.3/54

In: 198.141+/-0.027 χ^2/NDF:11995835.8/47

Out: 198.812+/-0.027 χ^2/NDF:14026777.6/54

All: 198.484+/-0.019 χ^2/NDF: 26022920.5/10

asym_sam_1357_2468_dd_mean vs Slug, Sign Corrected



Right In: -262.220+/-113.926 χ^2/NDF: 26.3/24

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: 250.969+/-117.330 χ^2/NDF: 19.7/29

Left In: 16.057+/-40.396 χ^2/NDF:26.6/22

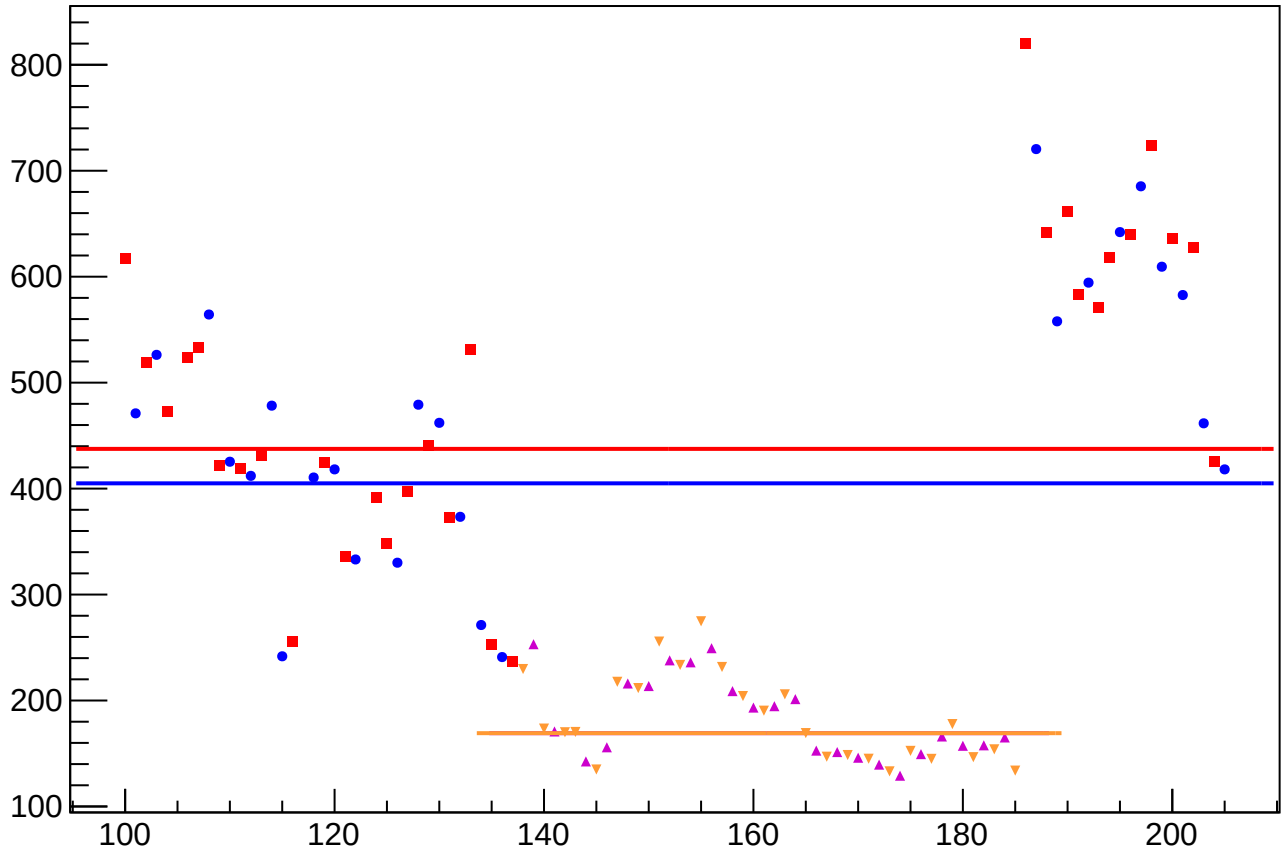
Left: -84.333+/-28.192 χ^2/NDF: 105.8/47

Right: -13.176+/-81.735 χ^2/NDF: 55.8/54

In: -15.023+/-38.074 χ^2/NDF:58.2/47

Out: -136.090+/-37.319 χ^2/NDF:98.9/54

All: -76.767+/-26.651 χ^2/NDF: 162.3/102



Right In: 404.972+/-0.081 χ^2/NDF: 2650643.0/24

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

Right Out: 437.492+/-0.083 χ^2/NDF: 2851546.5/29

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

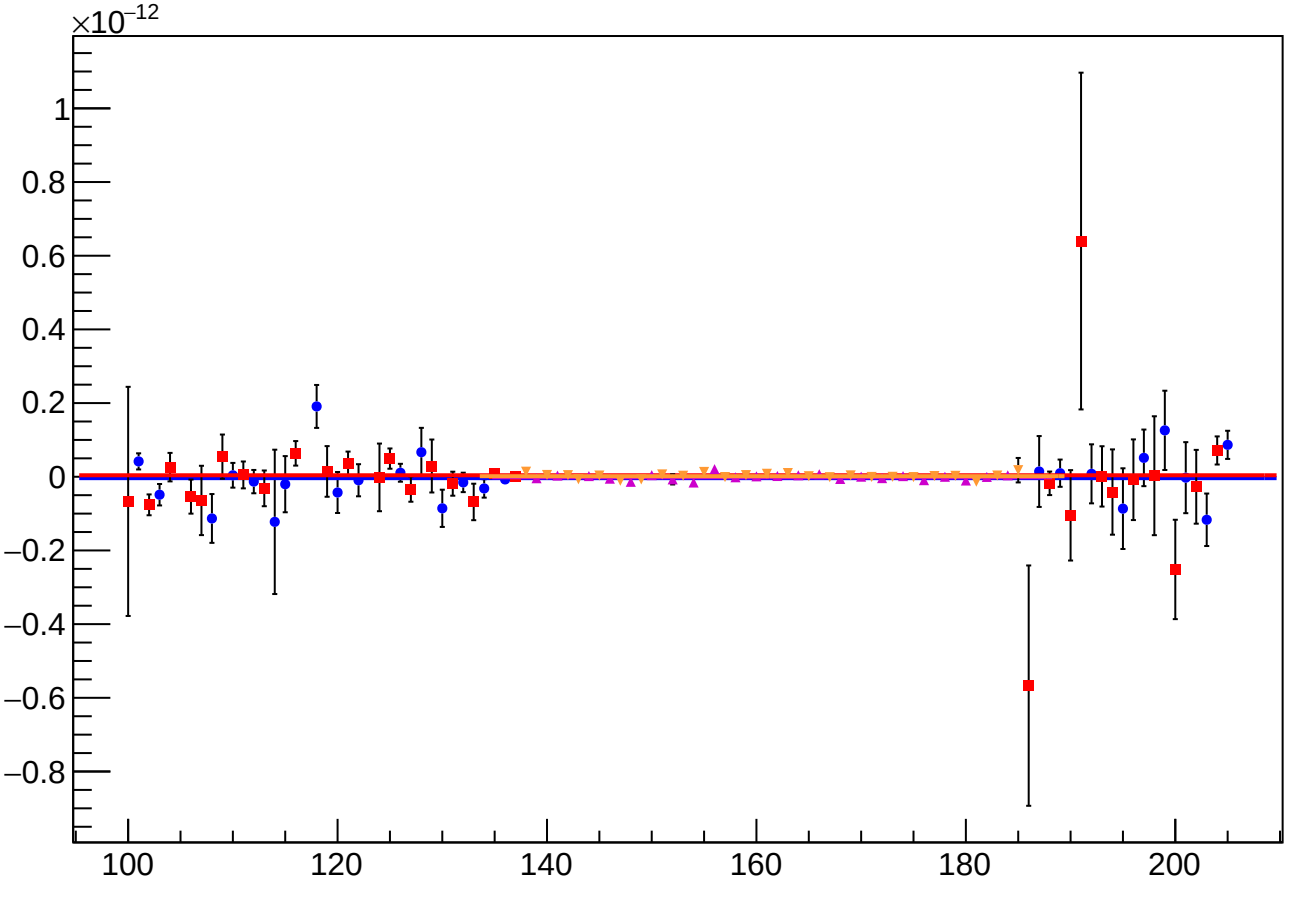
Left: 169.184+/-0.020 χ^2/NDF: 2922188.4/47

Right: 420.753+/-0.058 χ^2/NDF: 5581274.9/54

In: 195.521+/-0.027 χ^2/NDF:11634973.8/47

Out: 196.327+/-0.026 χ^2/NDF:13800161.0/54

All: 195.932+/-0.019 χ^2/NDF: 25435591.6/10



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/29

Left In: -0.000+/-0.000 χ^2/NDF:19.7/22

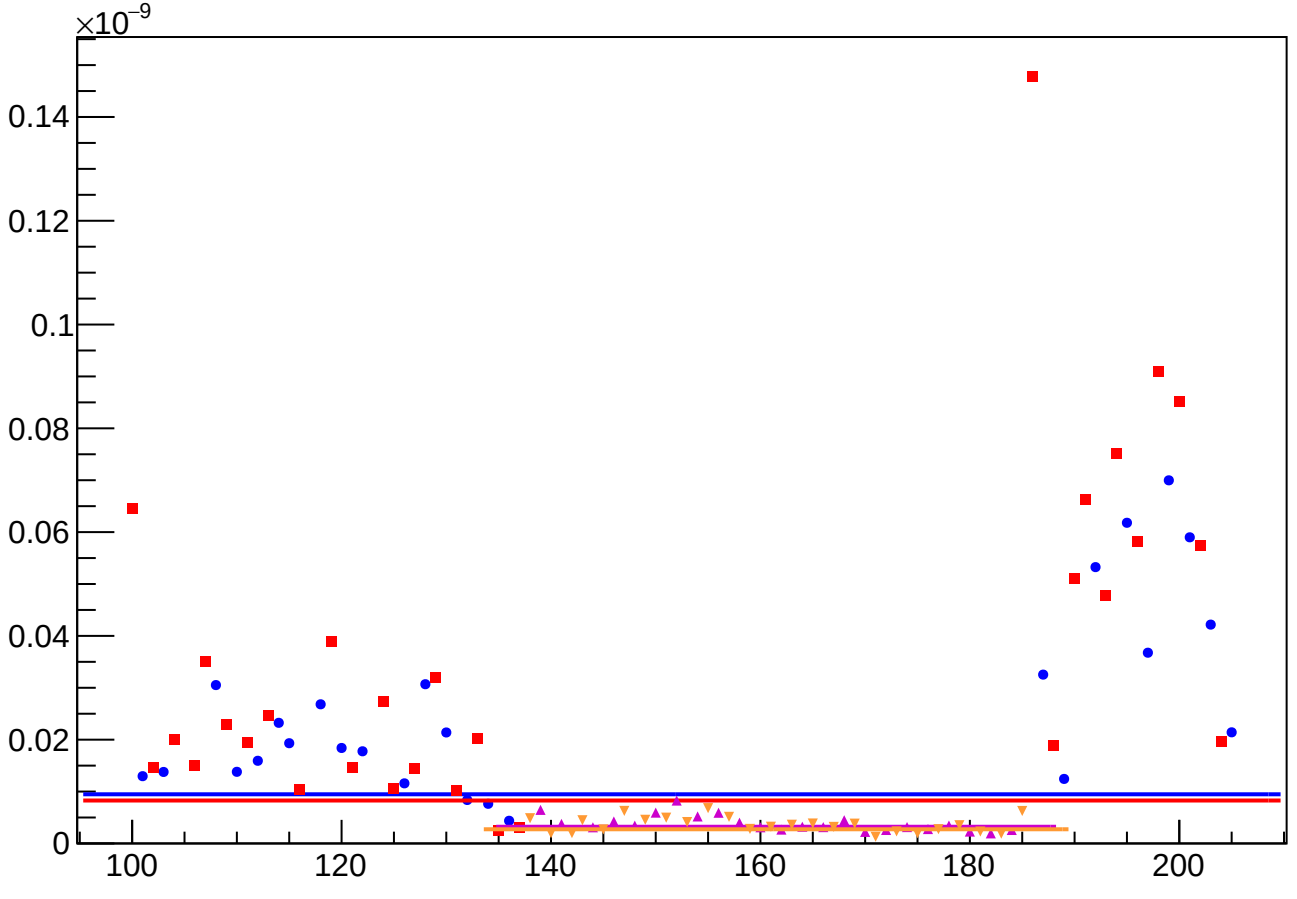
Left: 0.000+/-0.000 χ^2/NDF: 41.2/47

Right: 0.000+/-0.000 χ^2/NDF: 75.5/54

In: -0.000+/-0.000 χ^2/NDF:58.1/47

Out: 0.000+/-0.000 χ^2/NDF:55.2/54

All: 0.000+/-0.000 χ^2/NDF: 116.7/102



Right In: 0.000+/-0.000 χ^2/NDF: 5295477.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7779104.8/29

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

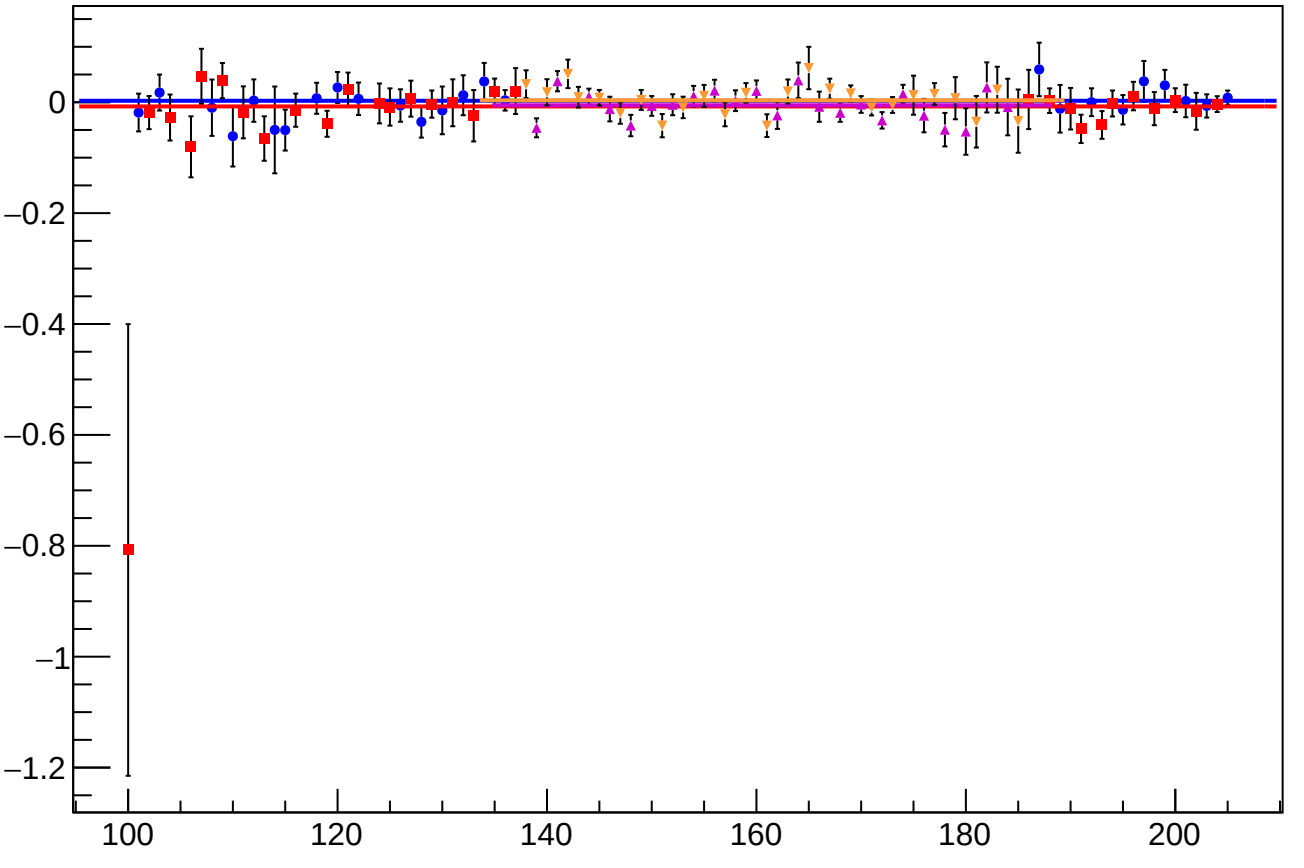
Left: 0.000+/-0.000 χ^2/NDF: 3427530.5/47

Right: 0.000+/-0.000 χ^2/NDF: 13123403.1/54

In: 0.000+/-0.000 χ^2/NDF:9106425.3/47

Out: 0.000+/-0.000 χ^2/NDF:11733194.2/54

All: 0.000+/-0.000 χ^2/NDF: 21069802.8/102



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

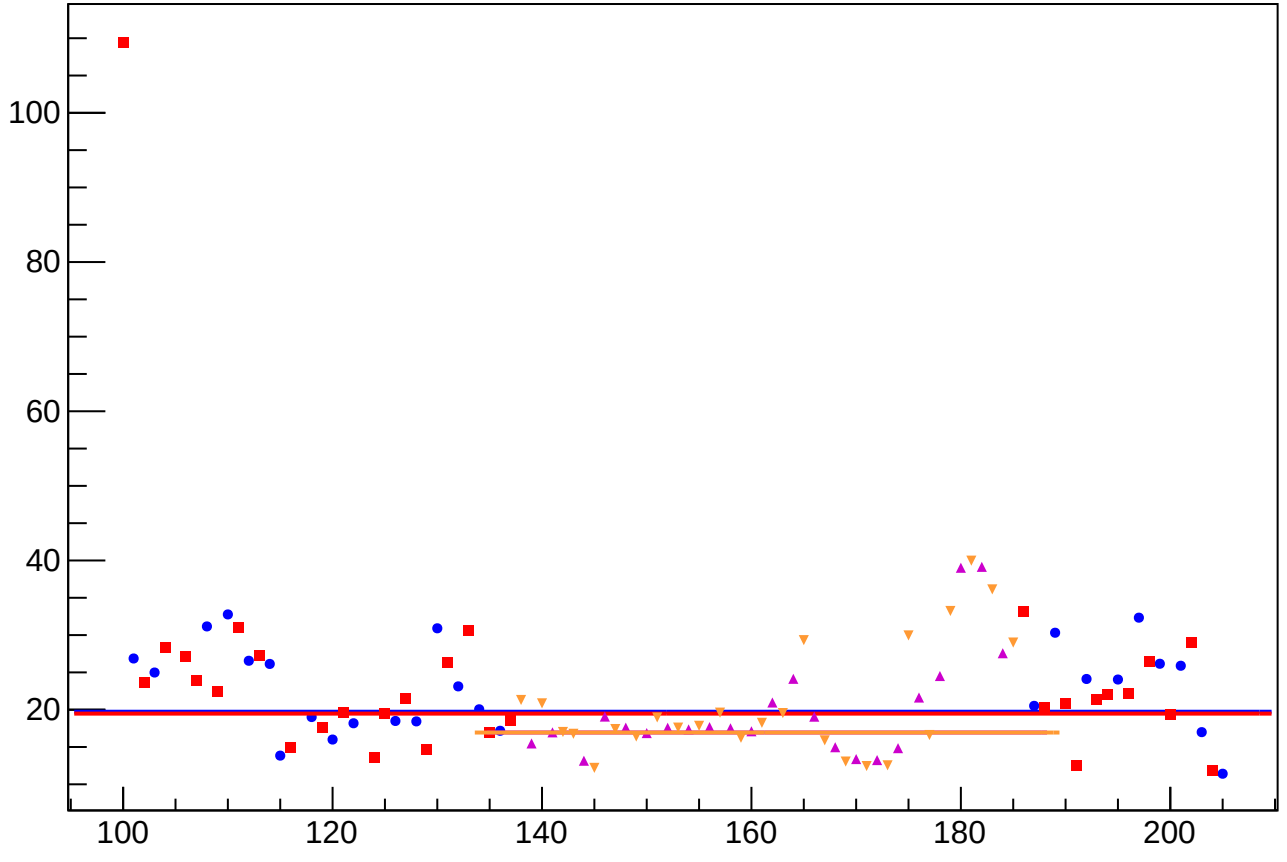
Right: -0.003+/-0.004 χ^2/NDF: 36.3/54

In: -0.003+/-0.003 χ^2/NDF:47.2/47

Out: -0.001+/-0.003 χ^2/NDF:51.5/54

All: -0.002+/-0.002 χ^2/NDF: 98.9/102

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.726+/-0.004 χ^2/NDF: 2256566.3/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.474+/-0.004 χ^2/NDF: 2070788.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

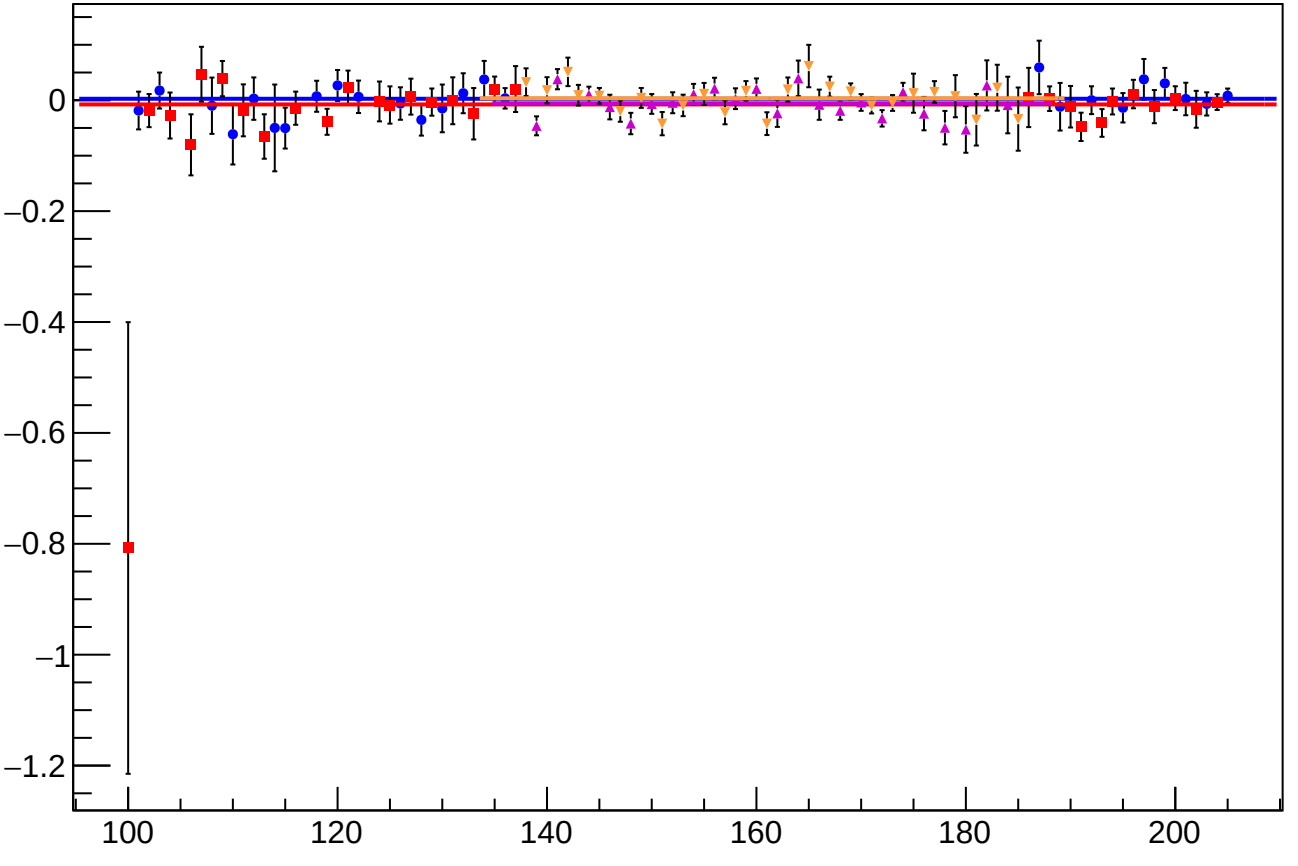
Right: 19.593+/-0.003 χ^2/NDF: 4329431.8/54

In: 17.921+/-0.002 χ^2/NDF:4508416.2/47

Out: 17.872+/-0.002 χ^2/NDF:5190353.1/54

All: 17.895+/-0.002 χ^2/NDF: 9698990.6/102

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

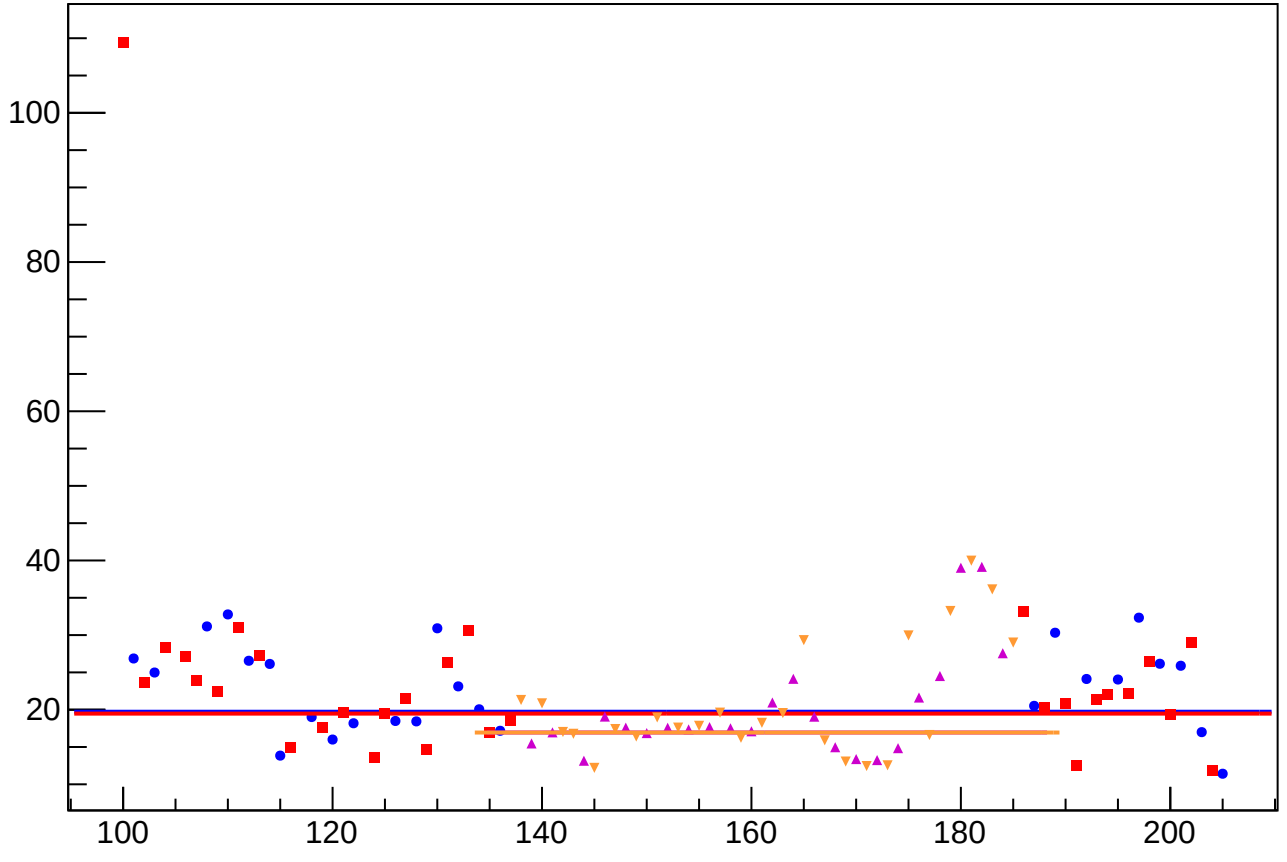
Right: -0.003+/-0.004 χ^2/NDF: 36.3/54

In: -0.003+/-0.003 χ^2/NDF:47.2/47

Out: -0.001+/-0.003 χ^2/NDF:51.5/54

All: -0.002+/-0.002 χ^2/NDF: 98.9/102

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.726+/-0.004 χ^2/NDF: 2256566.3/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

Right Out: 19.474+/-0.004 χ^2/NDF: 2070788.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

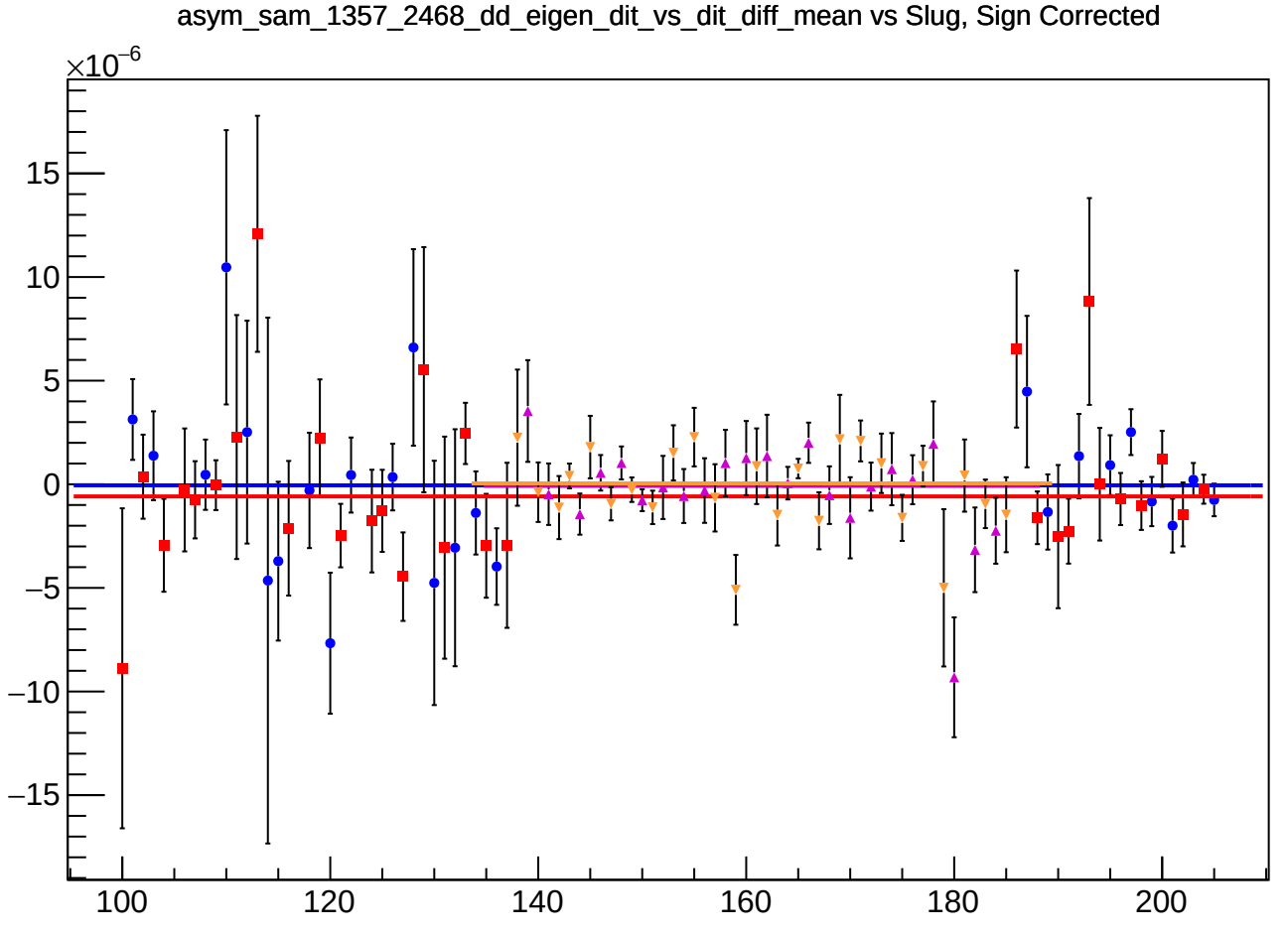
Left: 16.941+/-0.002 χ^2/NDF: 4778723.9/47

Right: 19.593+/-0.003 χ^2/NDF: 4329431.8/54

In: 17.921+/-0.002 χ^2/NDF:4508416.2/47

Out: 17.872+/-0.002 χ^2/NDF:5190353.1/54

All: 17.895+/-0.002 χ^2/NDF: 9698990.6/102



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.8/29

Left In: -0.000+/-0.000 χ^2/NDF:31.0/22

Left: -0.000+/-0.000 χ^2/NDF: 68.3/47

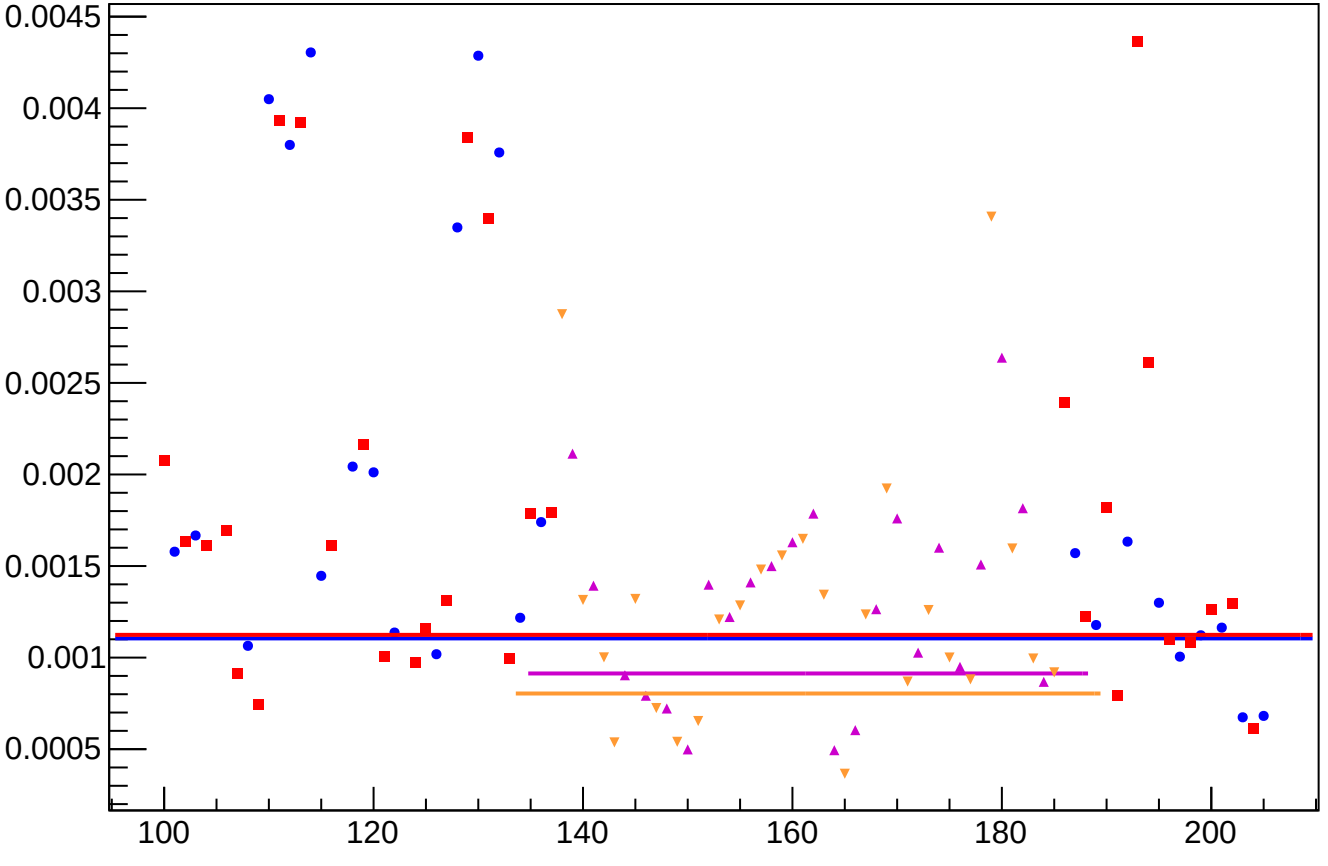
Right: -0.000+/-0.000 χ^2/NDF: 66.0/54

In: -0.000+/-0.000 χ^2/NDF:62.9/47

Out: -0.000+/-0.000 χ^2/NDF:72.6/54

All: -0.000+/-0.000 χ^2/NDF: 135.6/102

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 4751518.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:8261261.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5796976.9/29

Left In: 0.001+/-0.000 χ^2/NDF:6446479.8/22

Left: 0.001+/-0.000 χ^2/NDF: 14939708.4/47

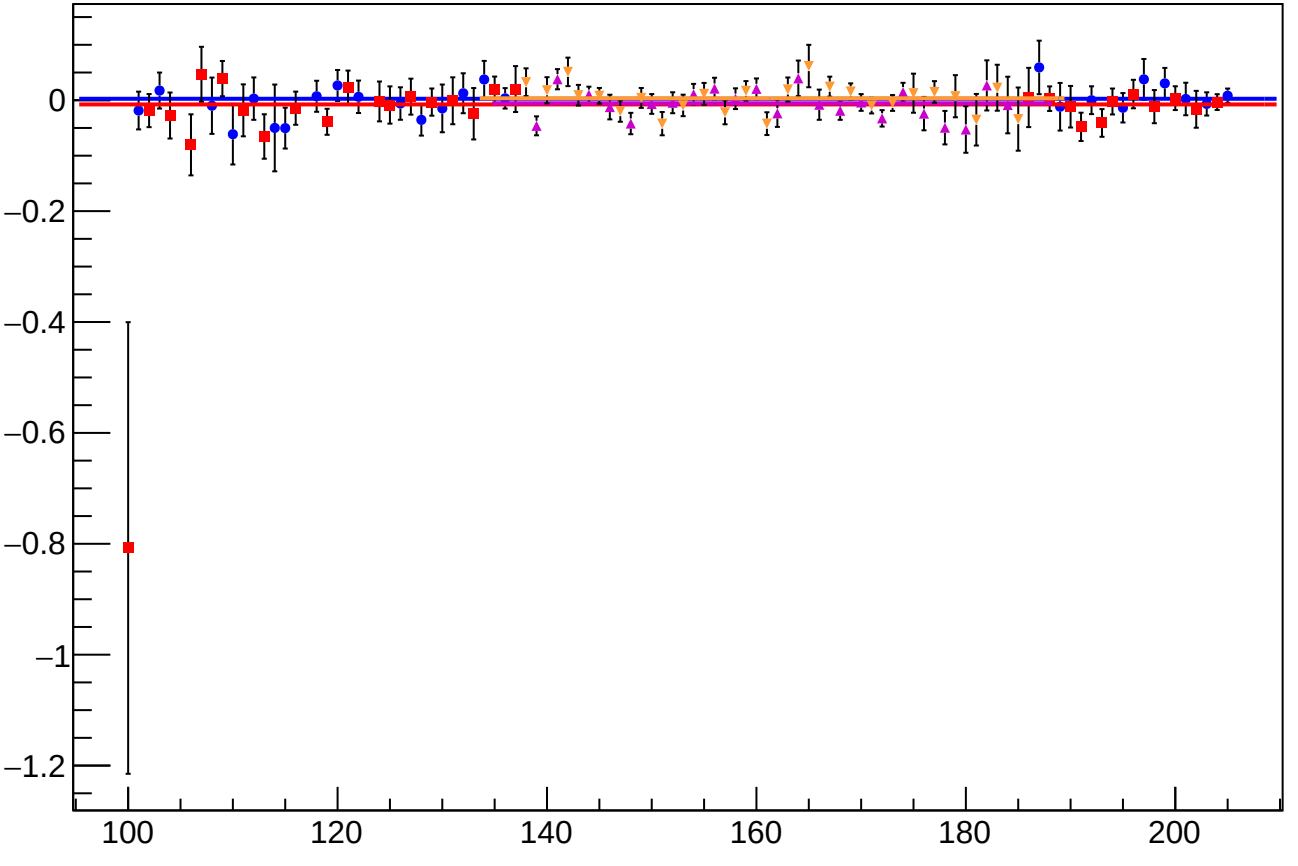
Right: 0.001+/-0.000 χ^2/NDF: 10551899.2/54

In: 0.001+/-0.000 χ^2/NDF:11623759.1/47

Out: 0.001+/-0.000 χ^2/NDF:15421665.1/54

All: 0.001+/-0.000 χ^2/NDF: 27240413.9/102

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

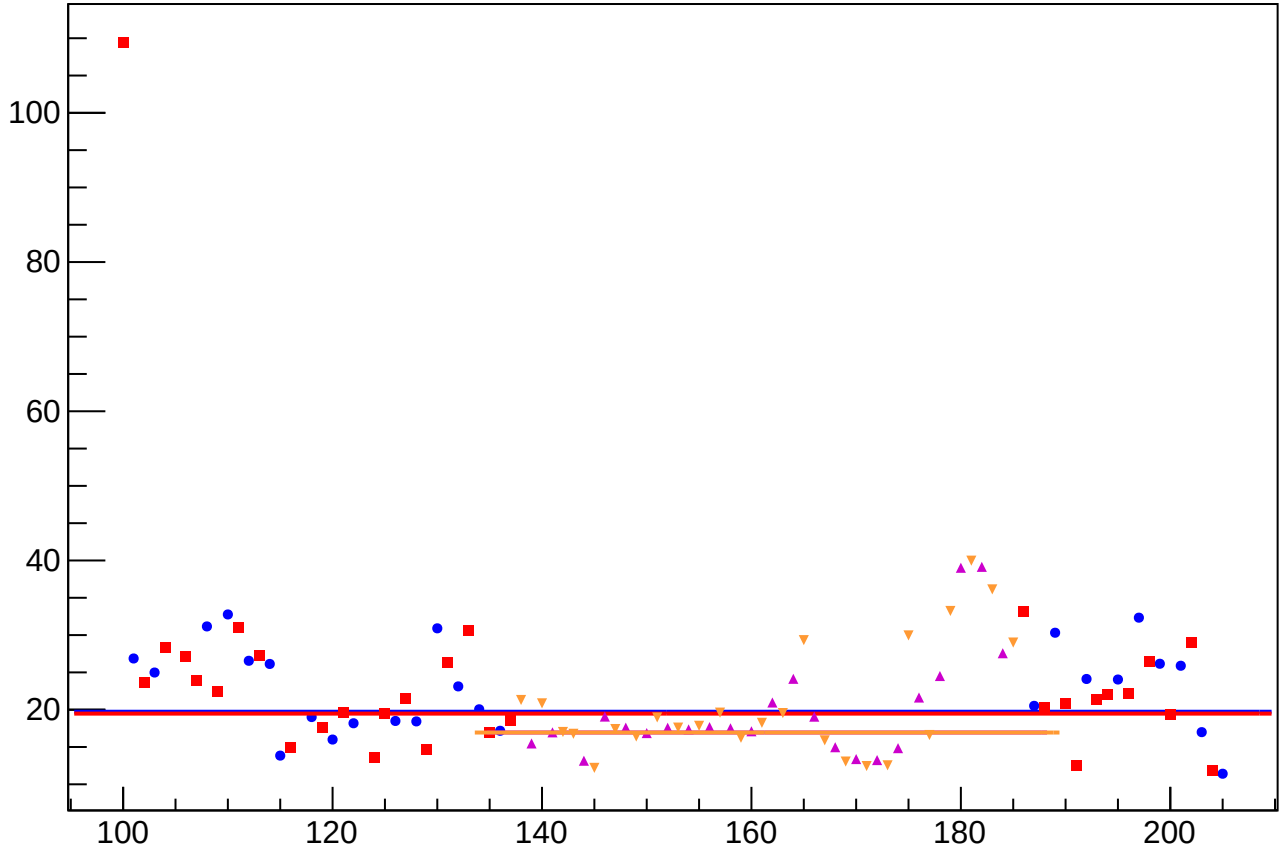
Right: -0.003+/-0.004 χ^2/NDF: 36.2/54

In: -0.003+/-0.003 χ^2/NDF:47.2/47

Out: -0.001+/-0.003 χ^2/NDF:51.5/54

All: -0.002+/-0.002 χ^2/NDF: 98.9/102

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.726+/-0.004 χ^2/NDF: 2256579.8/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.474+/-0.004 χ^2/NDF: 2070880.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

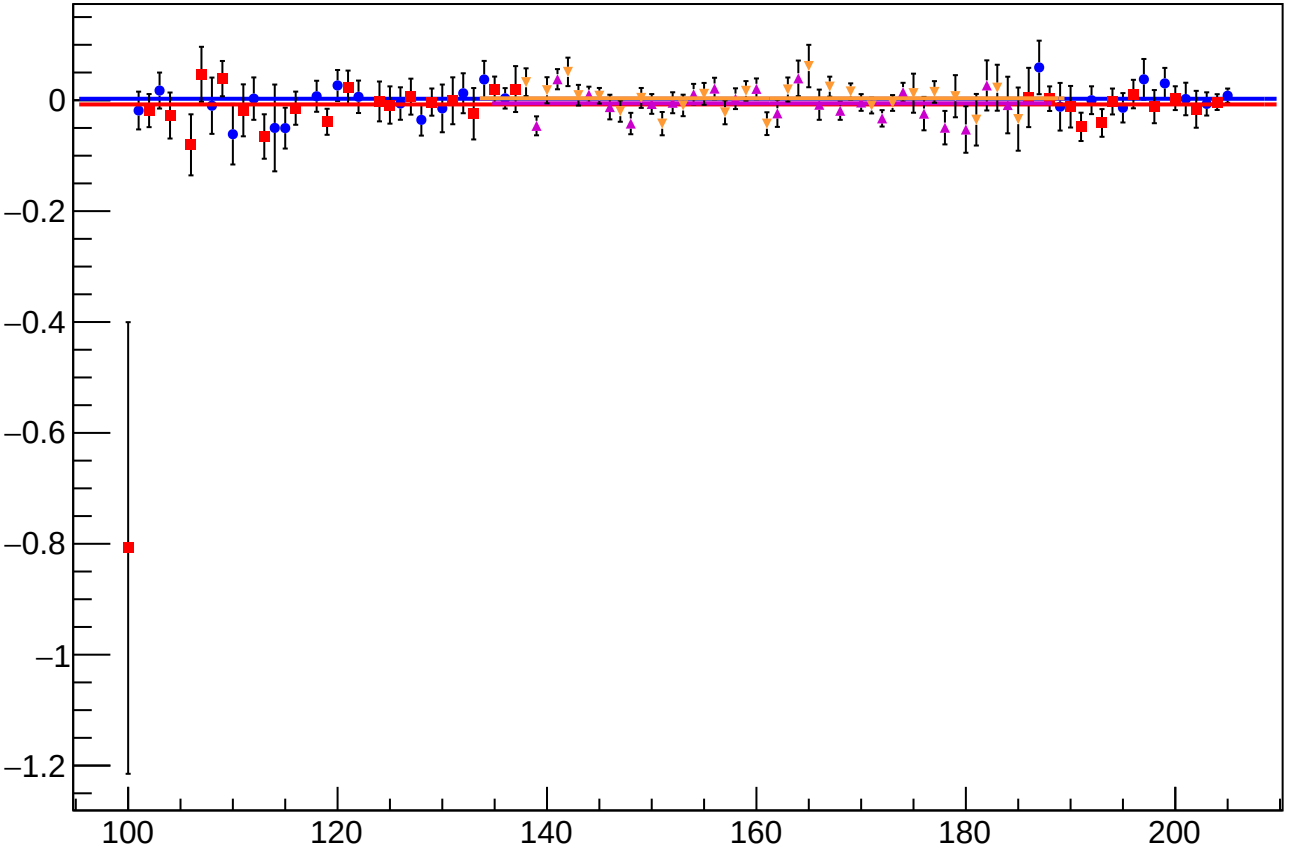
Right: 19.592+/-0.003 χ^2/NDF: 4329536.4/54

In: 17.921+/-0.002 χ^2/NDF:4508308.7/47

Out: 17.872+/-0.002 χ^2/NDF:5190316.0/54

All: 17.895+/-0.002 χ^2/NDF: 9698845.6/102

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: -0.008+/-0.005 χ^2/NDF: 21.9/29

Left In: -0.005+/-0.004 χ^2/NDF:33.2/22

Left: -0.001+/-0.003 χ^2/NDF: 62.5/47

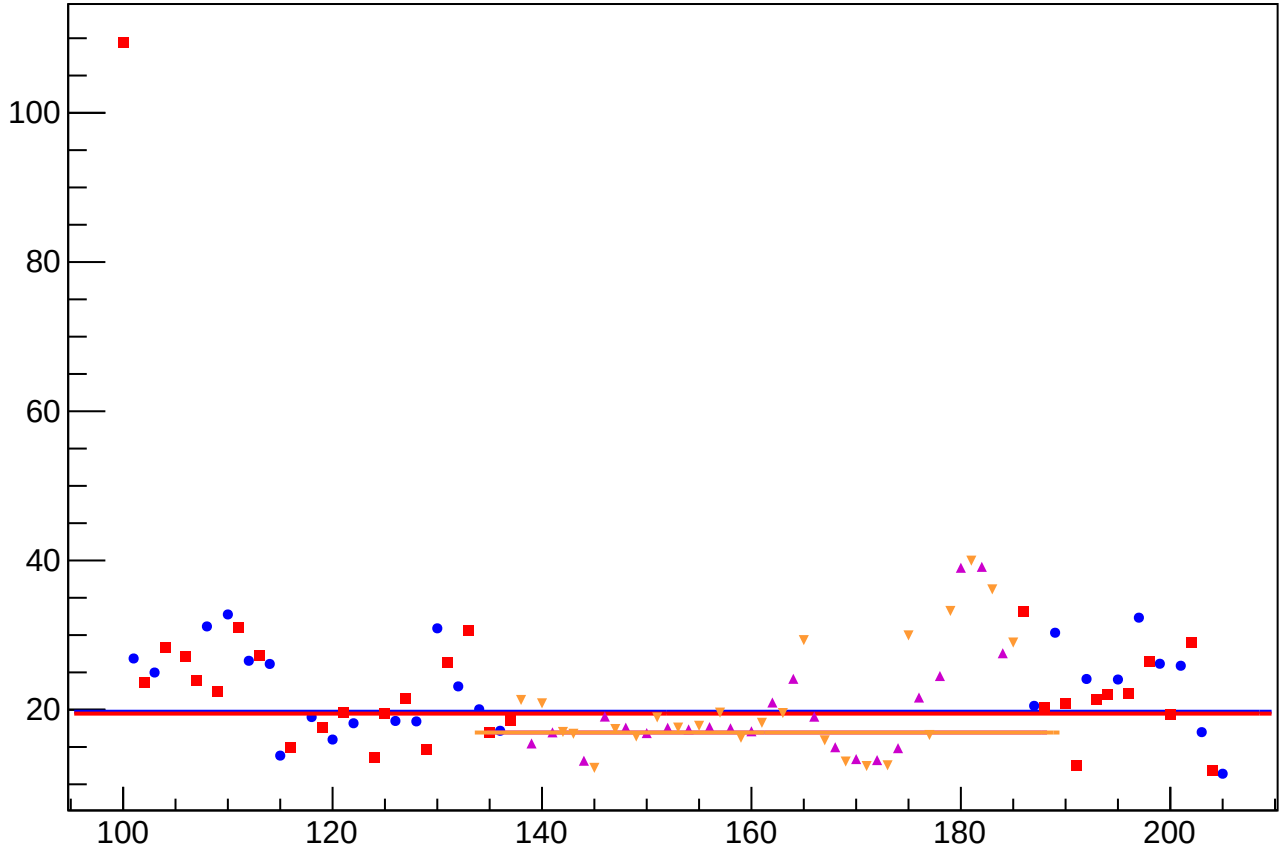
Right: -0.003+/-0.004 χ^2/NDF: 36.2/54

In: -0.003+/-0.003 χ^2/NDF:47.2/47

Out: -0.001+/-0.003 χ^2/NDF:51.5/54

All: -0.002+/-0.002 χ^2/NDF: 98.9/102

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 19.726+/-0.004 χ^2/NDF: 2256579.8/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.474+/-0.004 χ^2/NDF: 2070880.3/29

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

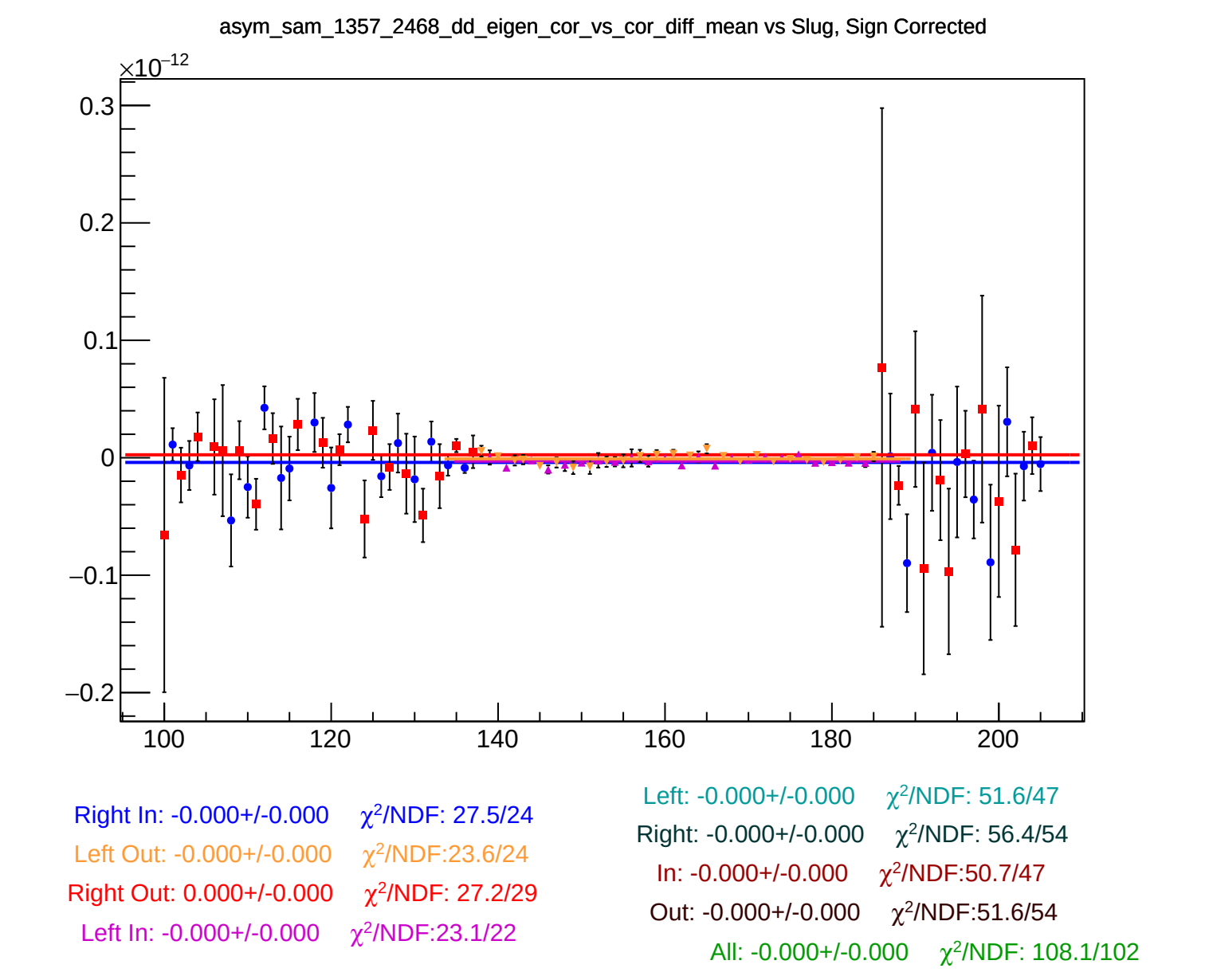
Left: 16.941+/-0.002 χ^2/NDF: 4778698.8/47

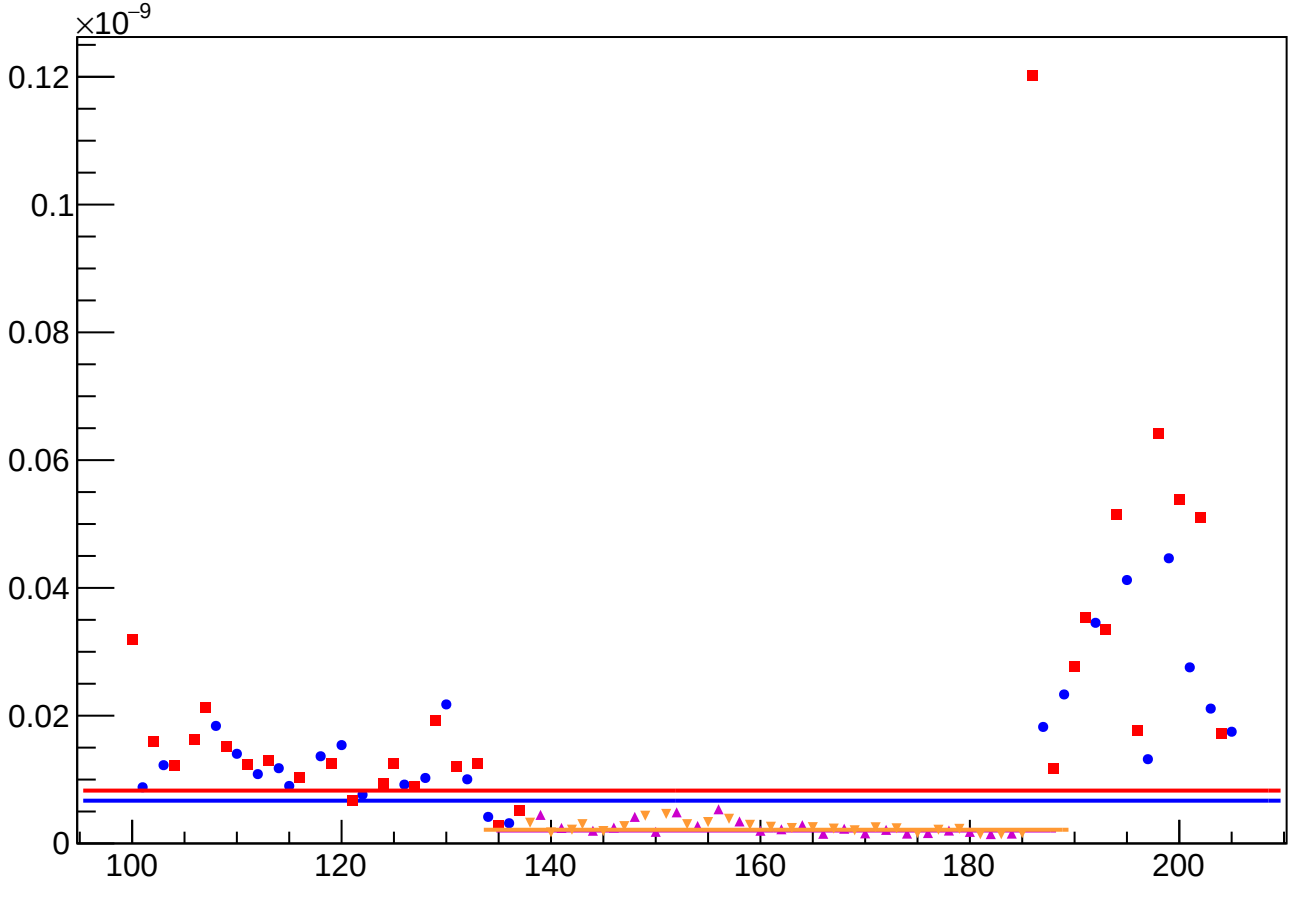
Right: 19.592+/-0.003 χ^2/NDF: 4329536.4/54

In: 17.921+/-0.002 χ^2/NDF:4508308.7/47

Out: 17.872+/-0.002 χ^2/NDF:5190316.0/54

All: 17.895+/-0.002 χ^2/NDF: 9698845.6/102


asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: -0.000+/-0.000 χ²/NDF:23.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.2/29
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: 56.4/54
In: -0.000+/-0.000 χ²/NDF:50.7/47
Out: -0.000+/-0.000 χ²/NDF:51.6/54
All: -0.000+/-0.000 χ²/NDF: 108.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 6586253.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8083428.8/29

Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

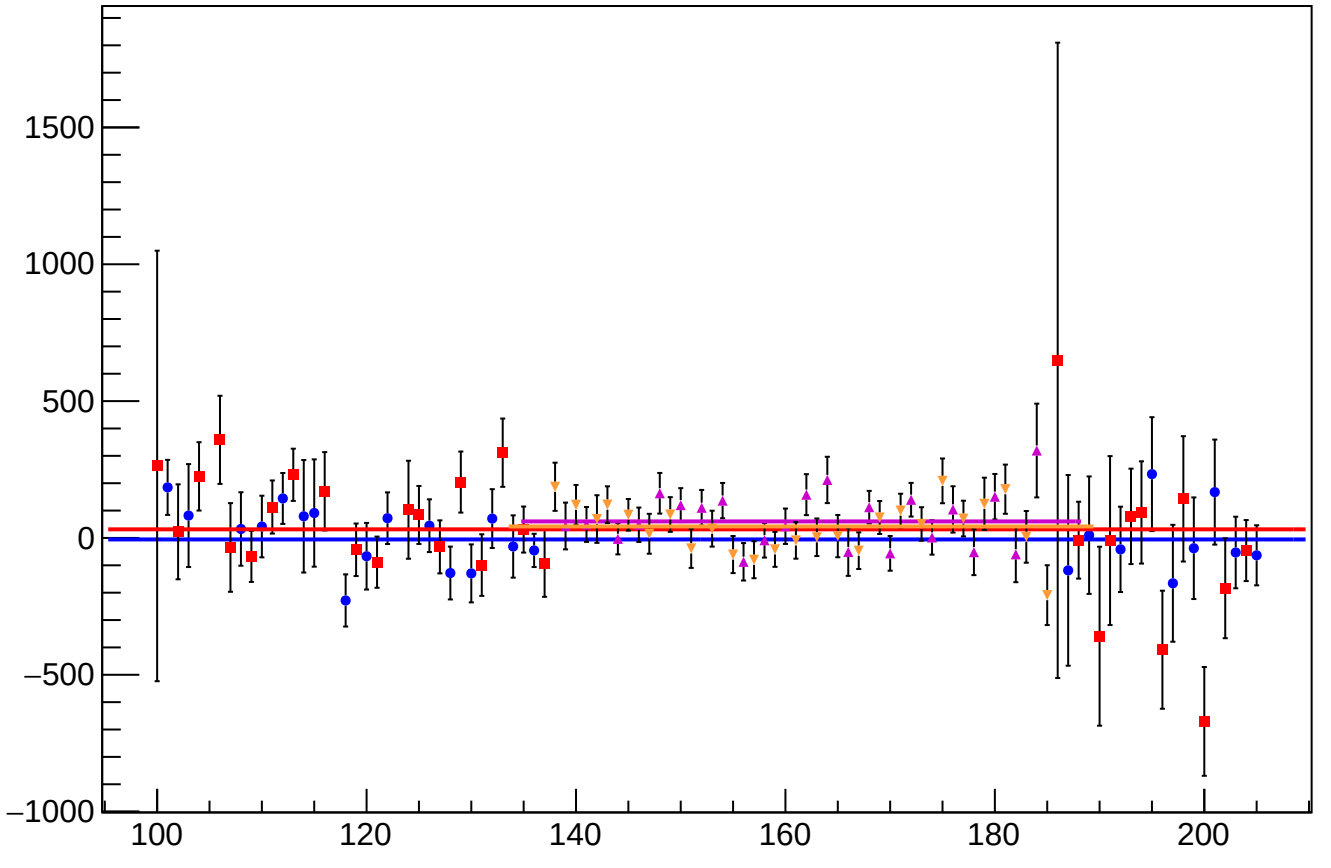
Left: 0.000+/-0.000 χ^2/NDF: 4598686.8/47

Right: 0.000+/-0.000 χ^2/NDF: 14883061.7/54

In: 0.000+/-0.000 χ^2/NDF:13184775.0/47

Out: 0.000+/-0.000 χ^2/NDF:15700313.2/54

All: 0.000+/-0.000 χ^2/NDF: 28923625.4/102



Right In: -5.462+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 31.445+/-23.933 χ^2/NDF: 47.5/29

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

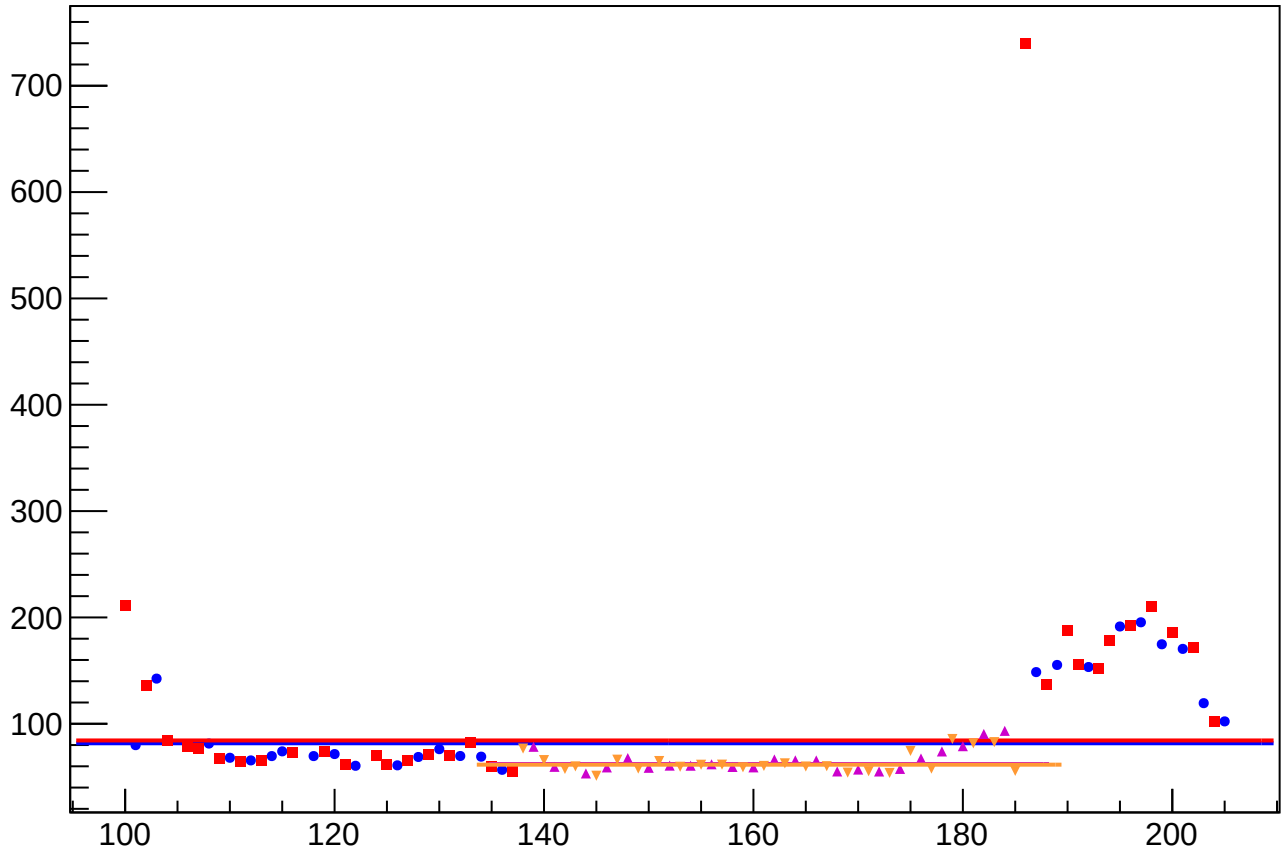
Left: 50.856+/-10.211 χ^2/NDF: 65.0/47

Right: 12.869+/-16.867 χ^2/NDF: 69.7/54

In: 42.143+/-12.512 χ^2/NDF:58.7/47

Out: 39.266+/-12.200 χ^2/NDF:79.7/54

All: 40.668+/-8.735 χ^2/NDF: 138.5/102



Right In: 81.663+/-0.017 χ^2/NDF: 4001248.8/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 84.313+/-0.017 χ^2/NDF: 5302328.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

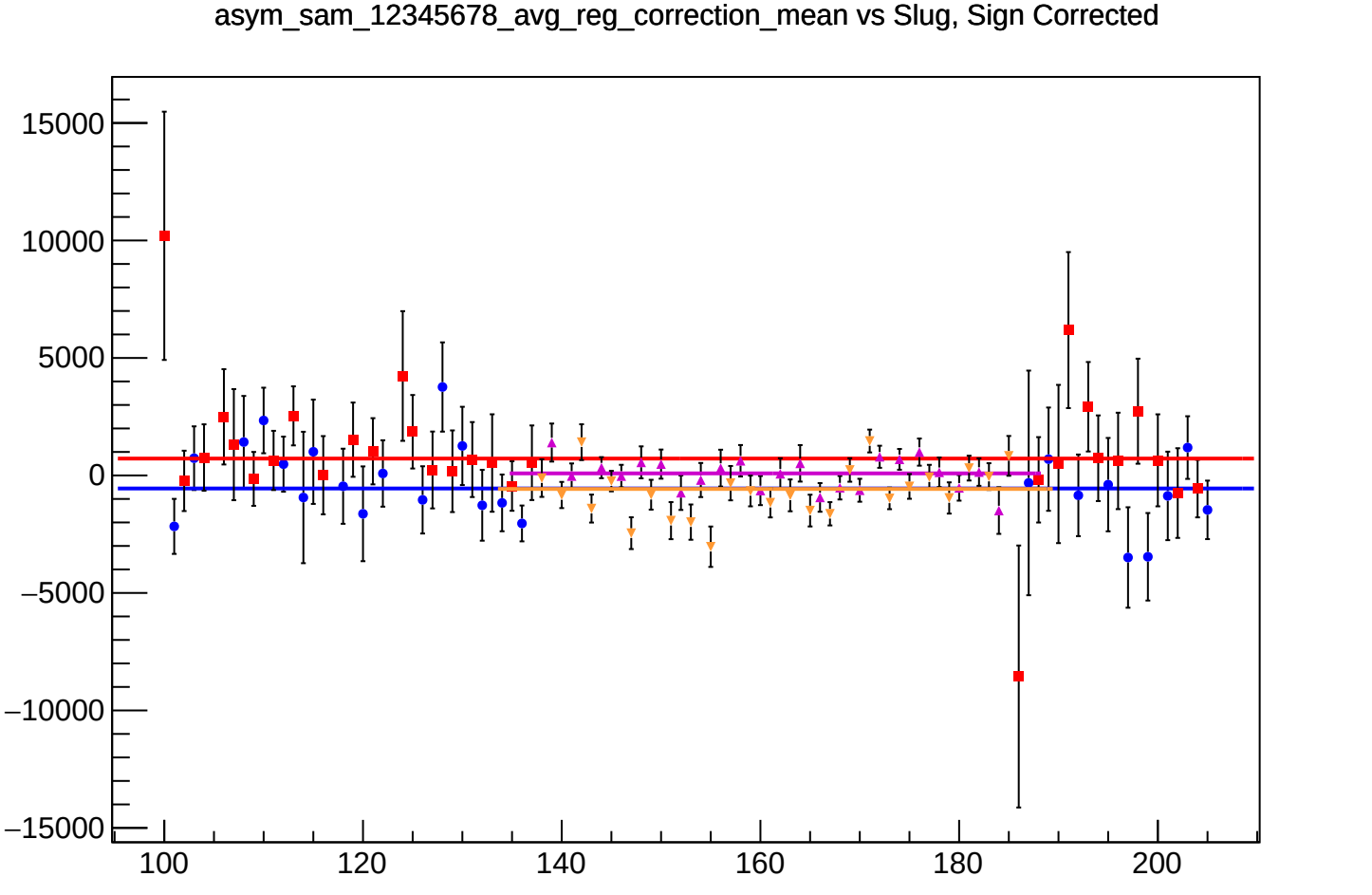
Left: 61.833+/-0.007 χ^2/NDF: 1236316.2/47

Right: 82.979+/-0.012 χ^2/NDF: 9315919.0/54

In: 67.550+/-0.009 χ^2/NDF:5572660.2/47

Out: 67.461+/-0.009 χ^2/NDF:7279920.2/54

All: 67.504+/-0.006 χ^2/NDF: 12852632.5/102



Right In: -554.746+/-300.844 χ^2/NDF: 27.6/24

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: 718.235+/-304.941 χ^2/NDF: 20.9/29

Left In: 88.334+/-122.492 χ^2/NDF:24.6/22

Left: -250.787+/-85.624 χ^2/NDF: 108.4/47

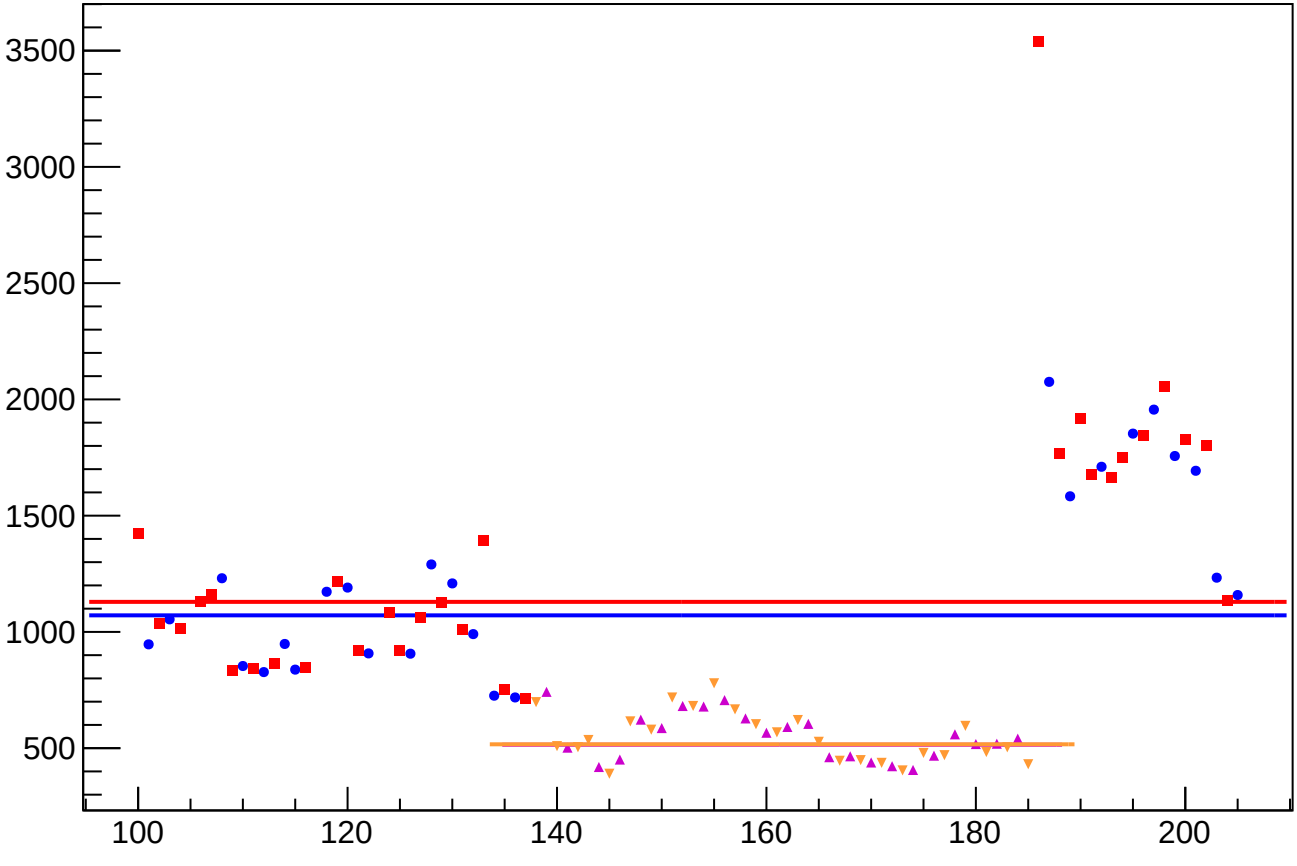
Right: 73.136+/-214.162 χ^2/NDF: 57.4/54

In: -3.116+/-113.449 χ^2/NDF:56.1/47

Out: -402.089+/-111.452 χ^2/NDF:105.3/54

All: -206.144+/-79.505 χ^2/NDF: 167.7/102

asym_sam_12345678_avg_reg_correction_rms vs Slug, Sign Corrected



Right In: 1071.255+/-0.213 χ^2/NDF: 2552608.7/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1129.228+/-0.216 χ^2/NDF: 3208423.5/29

Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

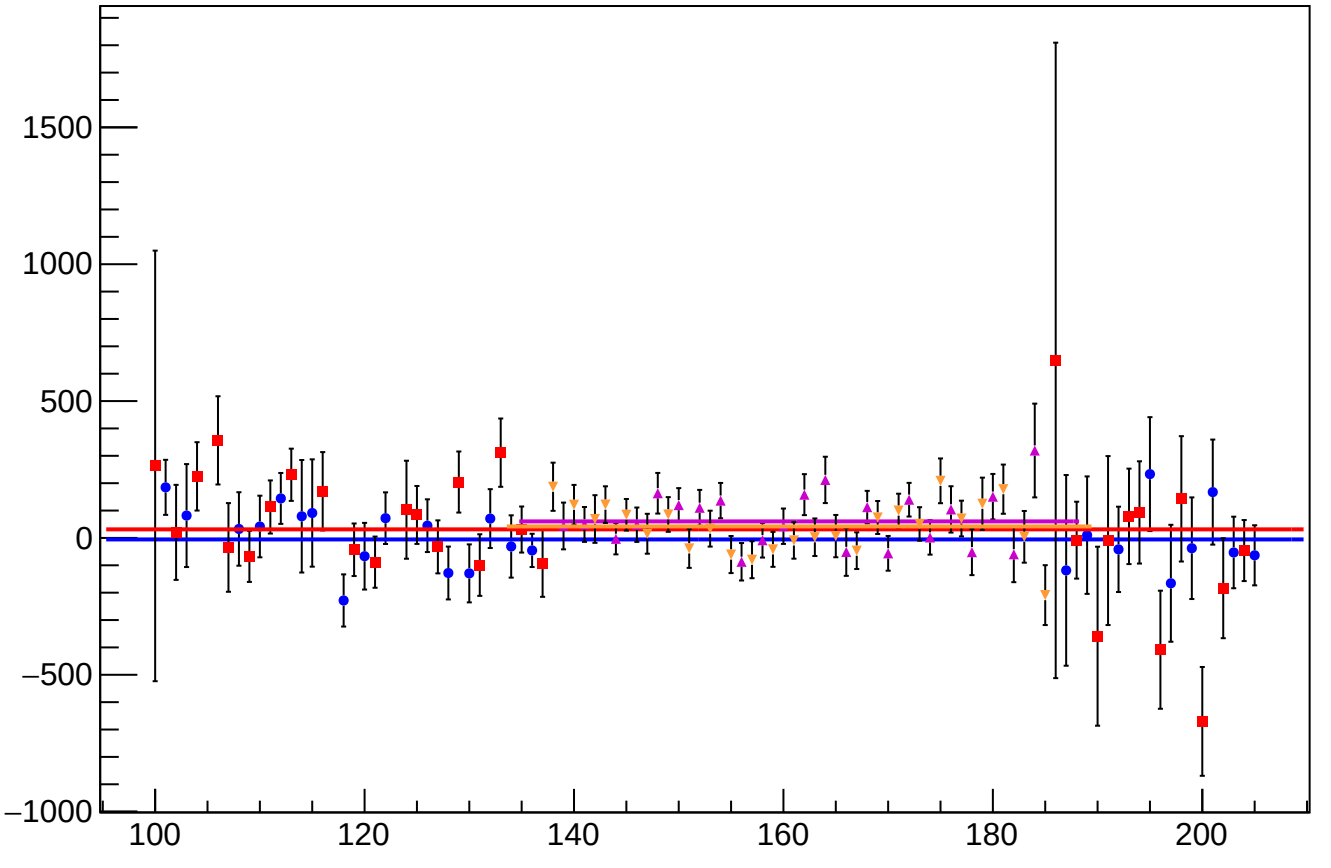
Left: 515.729+/-0.061 χ^2/NDF: 2385831.5/47

Right: 1099.849+/-0.151 χ^2/NDF: 5797663.4/54

In: 593.915+/-0.080 χ^2/NDF:9542807.5/47

Out: 598.467+/-0.079 χ^2/NDF:11466690.4/54

All: 596.231+/-0.056 χ^2/NDF: 21011136.0/10



Right In: -5.470+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 31.344+/-23.934 χ^2/NDF: 47.5/29

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

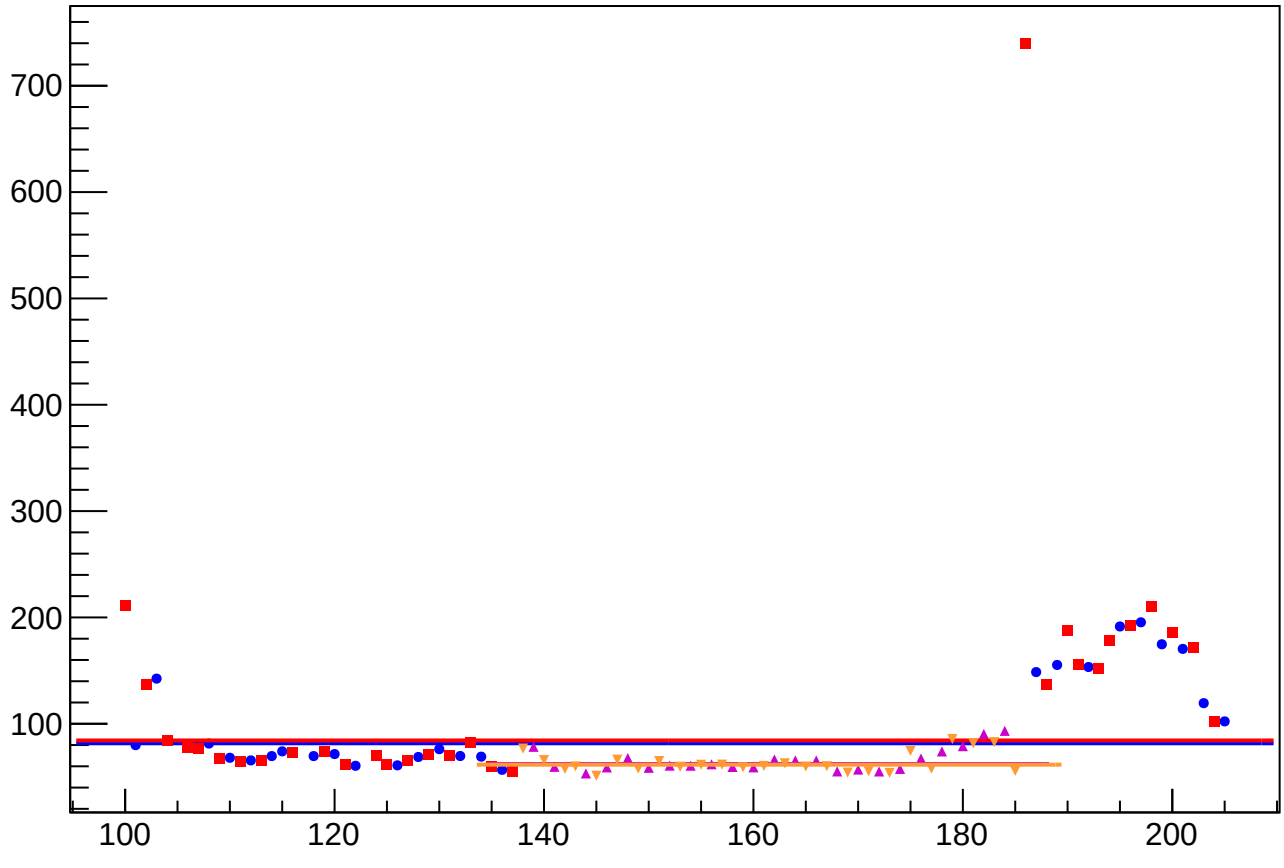
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 12.815+/-16.867 χ^2/NDF: 69.7/54

In: 42.141+/-12.512 χ^2/NDF:58.7/47

Out: 39.244+/-12.200 χ^2/NDF:79.7/54

All: 40.656+/-8.735 χ^2/NDF: 138.4/102



Right In: 81.663+/-0.017 χ^2/NDF: 4001251.9/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 84.298+/-0.017 χ^2/NDF: 5303289.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

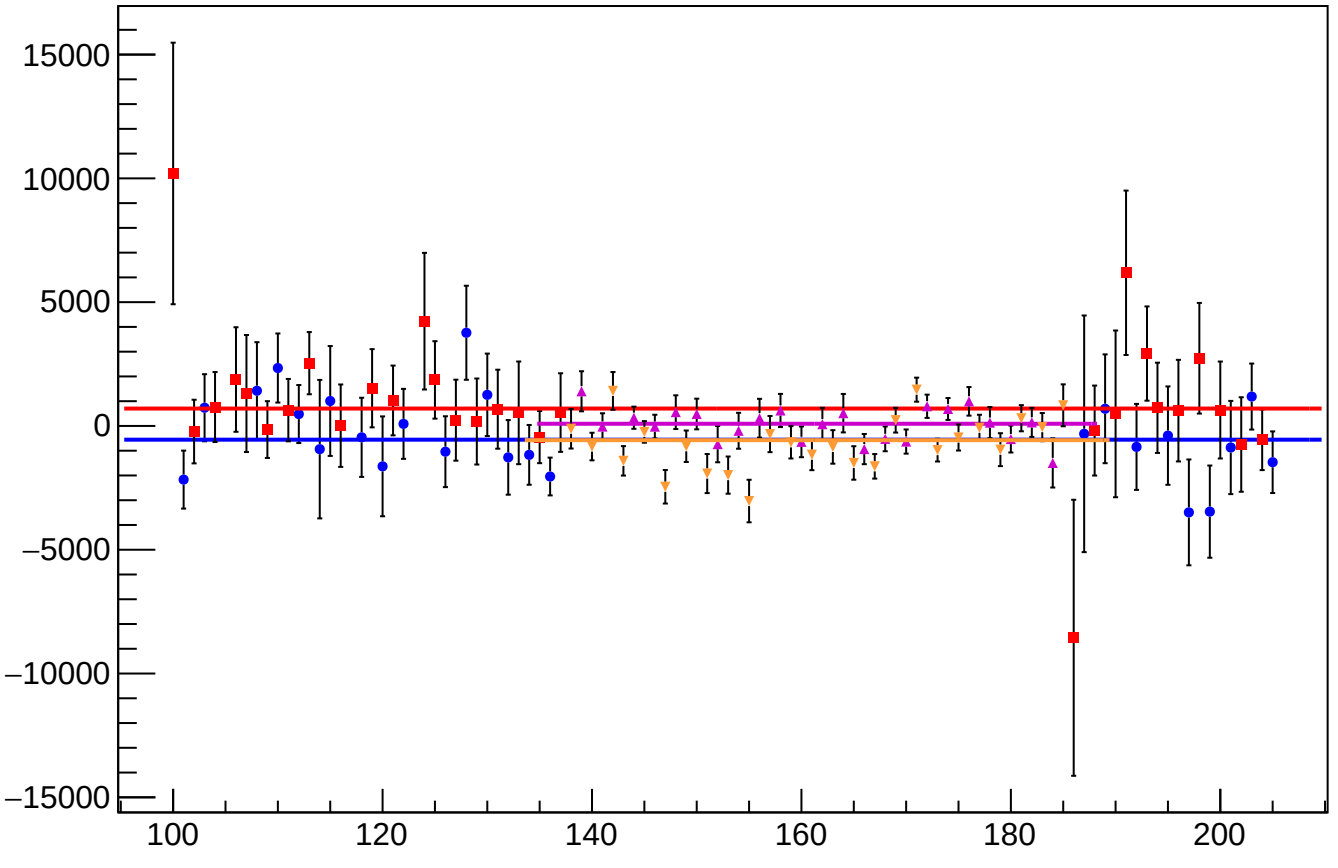
Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

Right: 82.972+/-0.012 χ^2/NDF: 9316744.6/54

In: 67.550+/-0.009 χ^2/NDF:5572663.3/47

Out: 67.457+/-0.009 χ^2/NDF:7279066.2/54

All: 67.502+/-0.006 χ^2/NDF: 12851786.4/102



Right In: -554.724+/-300.845 χ^2/NDF: 27.6/24

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 702.532+/-305.221 χ^2/NDF: 20.4/29

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

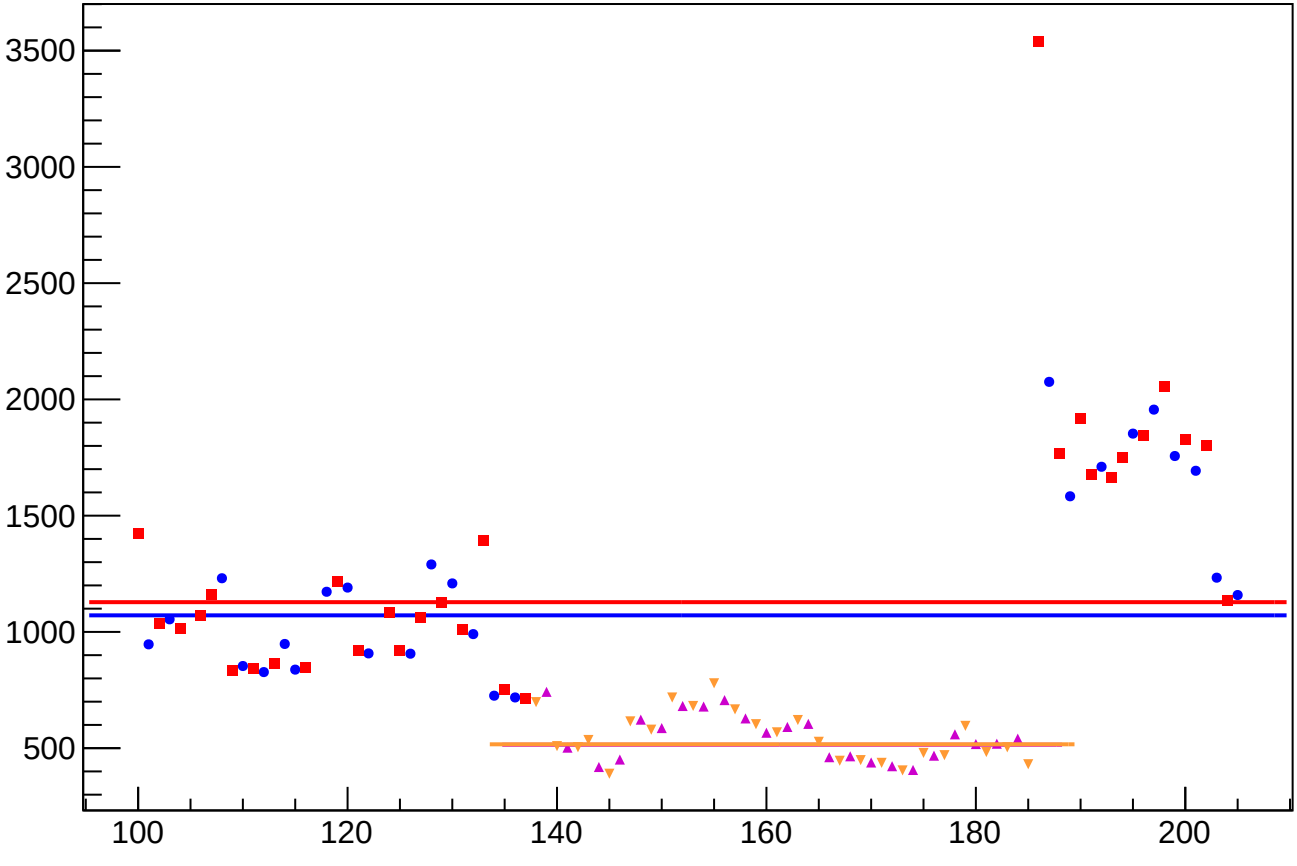
Right: 64.826+/-214.260 χ^2/NDF: 56.7/54

In: -3.113+/-113.449 χ^2/NDF:56.1/47

Out: -404.453+/-111.466 χ^2/NDF:104.4/54

All: -207.321+/-79.510 χ^2/NDF: 166.9/102

asym_sam_12345678_avg_cor_correction_rms vs Slug, Sign Corrected



Right In: 1071.259+/-0.213 χ^2/NDF: 2552609.9/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.964+/-0.216 χ^2/NDF: 3209801.3/29

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

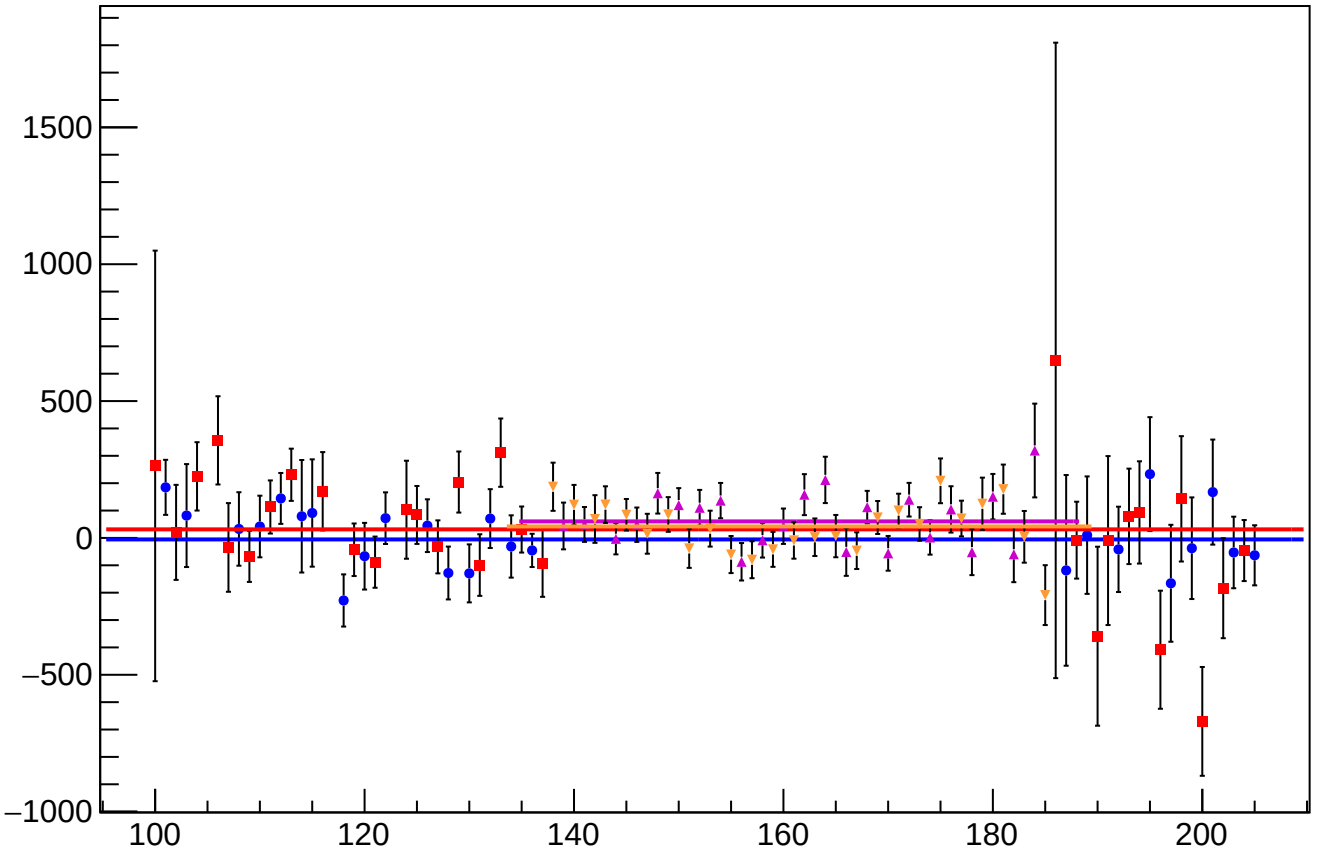
Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

Right: 1099.202+/-0.152 χ^2/NDF: 5797424.5/54

In: 593.915+/-0.080 χ^2/NDF:9542850.1/47

Out: 598.167+/-0.079 χ^2/NDF:11428144.8/54

All: 596.079+/-0.056 χ^2/NDF: 20972424.4/10



Right In: -5.470+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 31.344+/-23.934 χ^2/NDF: 47.5/29

Left In: 60.376+/-14.714 χ^2/NDF:32.2/22

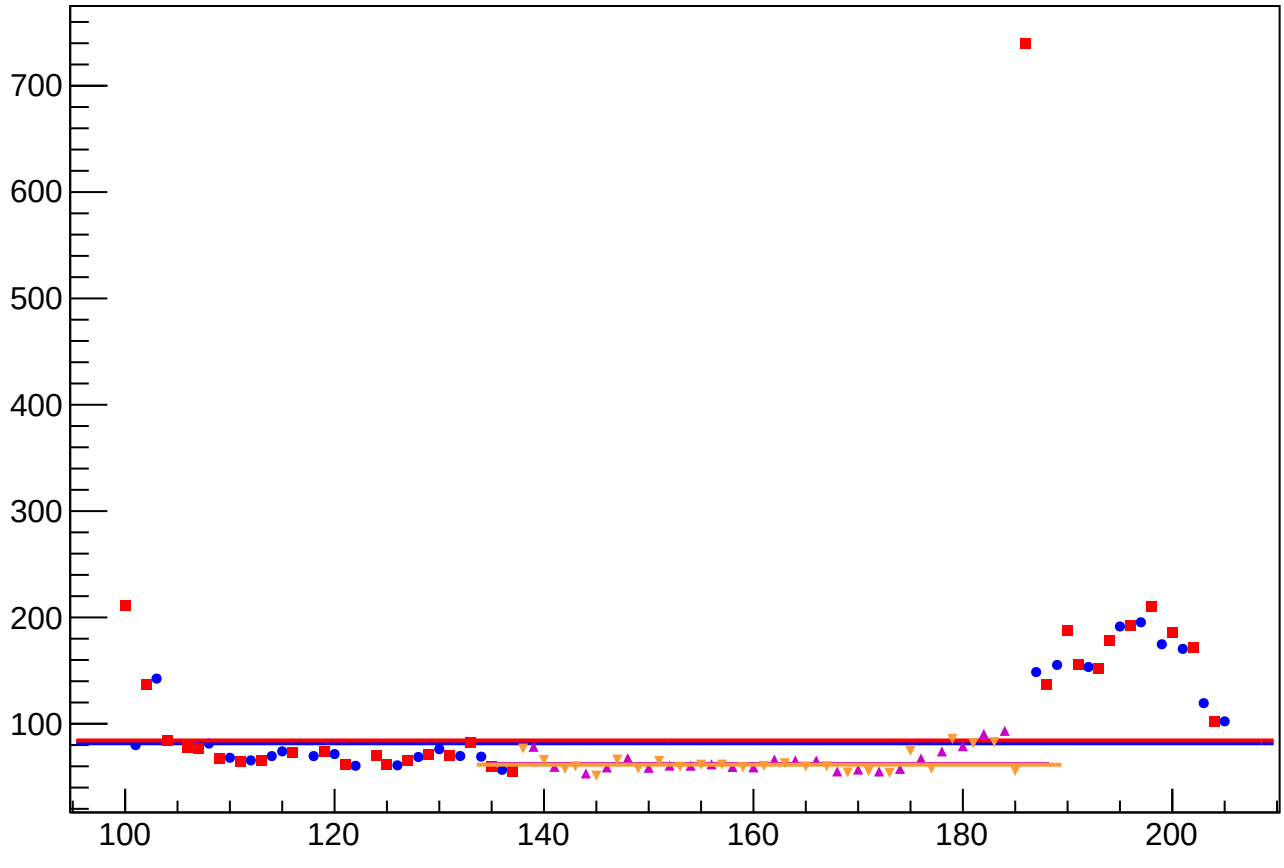
Left: 50.858+/-10.211 χ^2/NDF: 65.0/47

Right: 12.815+/-16.867 χ^2/NDF: 69.7/54

In: 42.141+/-12.512 χ^2/NDF:58.7/47

Out: 39.244+/-12.200 χ^2/NDF:79.7/54

All: 40.656+/-8.735 χ^2/NDF: 138.4/102



Right In: 81.663+/-0.017 χ^2/NDF: 4001251.9/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 84.298+/-0.017 χ^2/NDF: 5303289.9/29

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

Left: 61.833+/-0.007 χ^2/NDF: 1236316.3/47

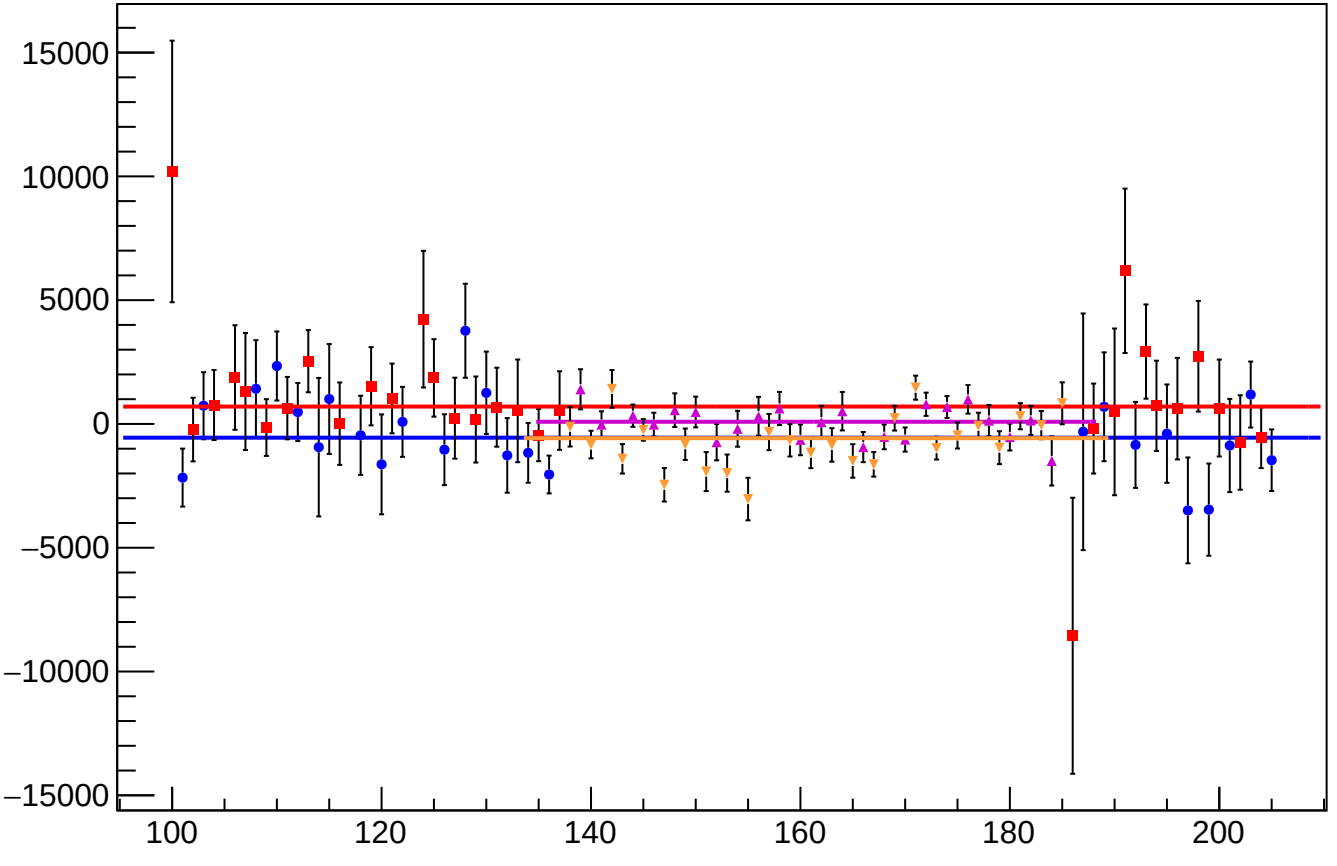
Right: 82.972+/-0.012 χ^2/NDF: 9316744.6/54

In: 67.550+/-0.009 χ^2/NDF:5572663.3/47

Out: 67.457+/-0.009 χ^2/NDF:7279066.2/54

All: 67.502+/-0.006 χ^2/NDF: 12851786.4/102

asym_sam_12345678_avg_eigen_cor_correction_mean vs Slug, Sign Corrected



Right In: -554.724+/-300.845 χ^2/NDF: 27.6/24

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: 702.532+/-305.221 χ^2/NDF: 20.4/29

Left In: 88.333+/-122.492 χ^2/NDF:24.6/22

Left: -250.783+/-85.624 χ^2/NDF: 108.4/47

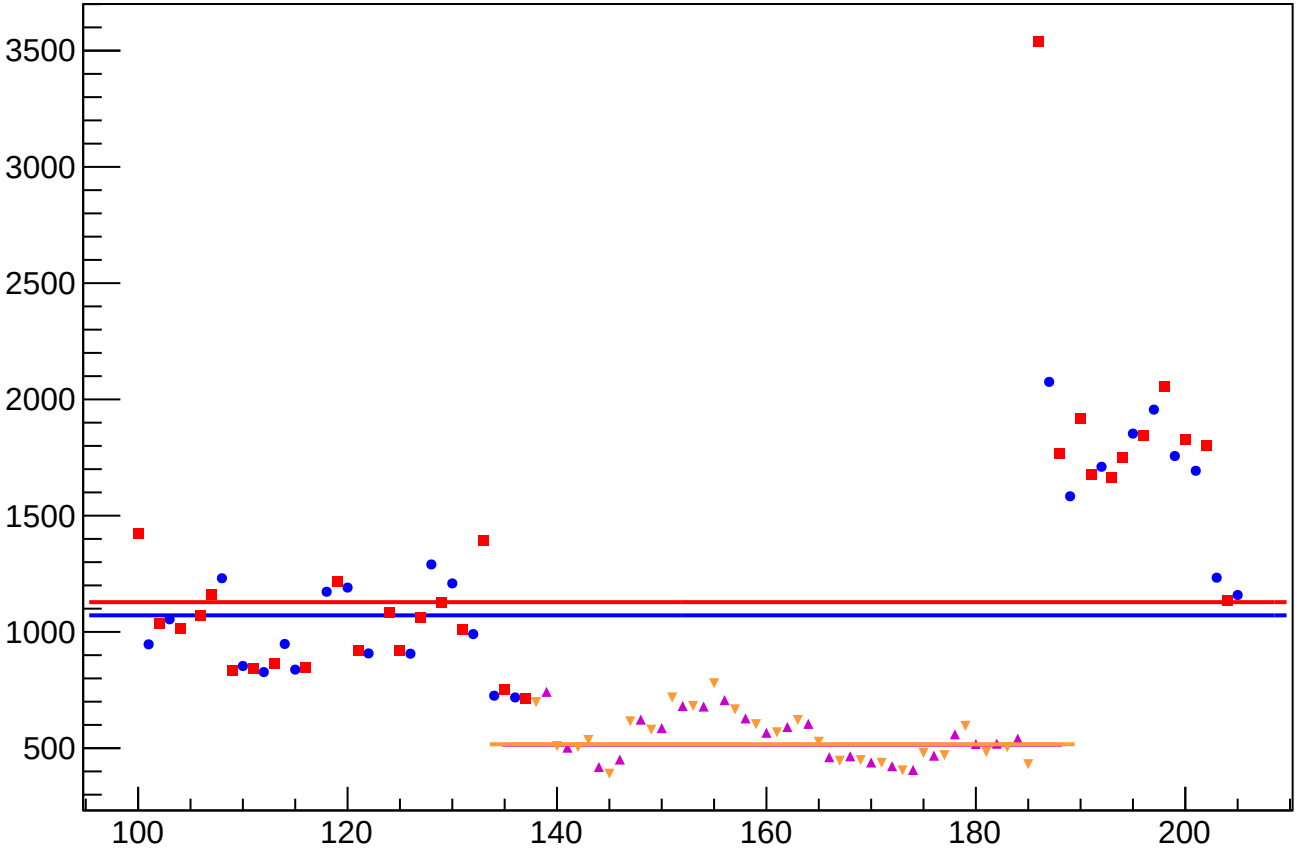
Right: 64.826+/-214.260 χ^2/NDF: 56.7/54

In: -3.113+/-113.449 χ^2/NDF:56.1/47

Out: -404.453+/-111.466 χ^2/NDF:104.4/54

All: -207.321+/-79.510 χ^2/NDF: 166.9/102

asym_sam_12345678_avg_eigen_cor_correction_rms vs Slug, Sign Corrected



Right In: 1071.259+/-0.213 χ^2/NDF: 2552609.9/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1127.964+/-0.216 χ^2/NDF: 3209801.3/29

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

Left: 515.729+/-0.061 χ^2/NDF: 2385832.1/47

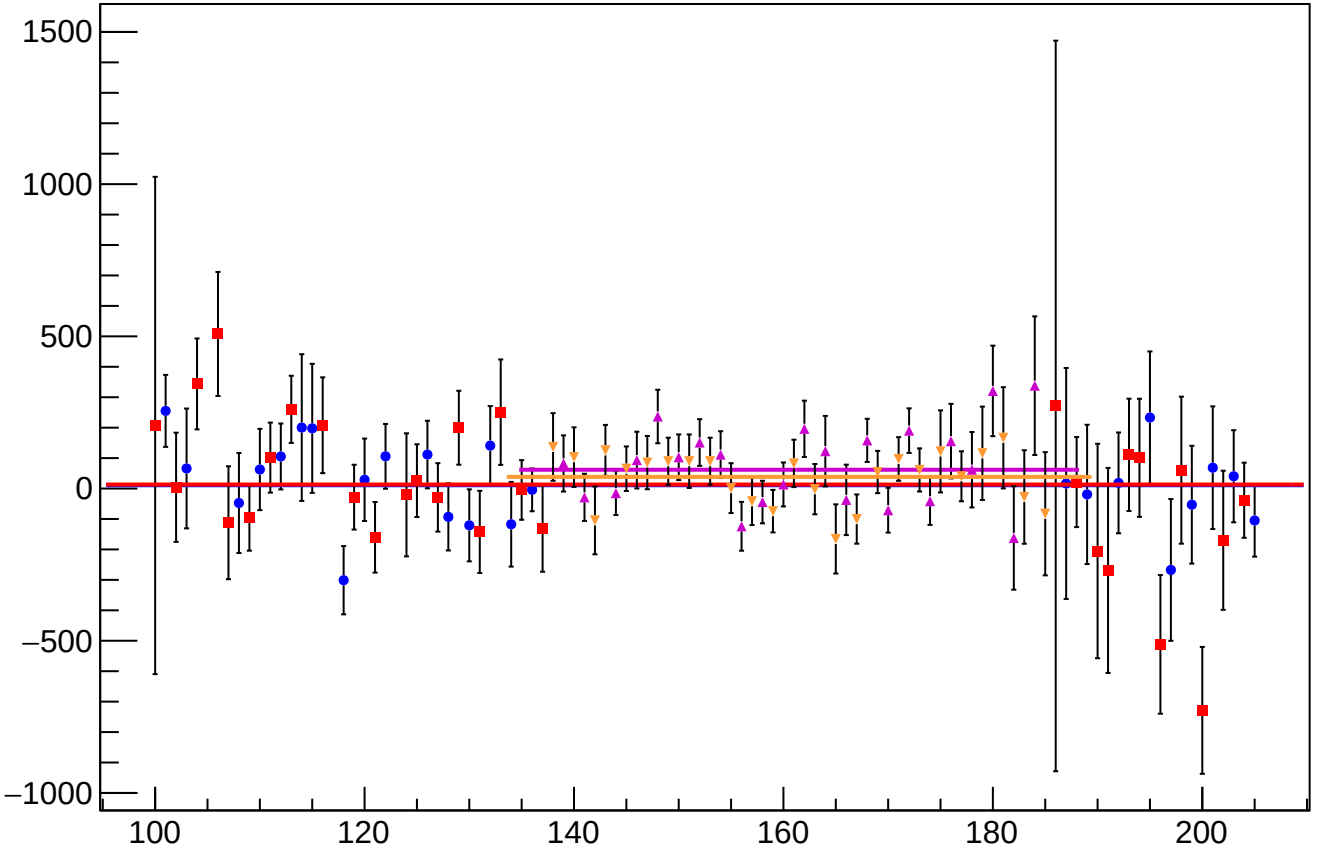
Right: 1099.202+/-0.152 χ^2/NDF: 5797424.5/54

In: 593.915+/-0.080 χ^2/NDF:9542850.1/47

Out: 598.167+/-0.079 χ^2/NDF:11428144.8/54

All: 596.079+/-0.056 χ^2/NDF: 20972424.4/10

dit_asym_sam_12345678_avg_mean vs Slug, Sign Corrected



Right In: 10.912+/-27.177 χ^2/NDF: 23.9/24

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: 13.173+/-27.482 χ^2/NDF: 49.1/29

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

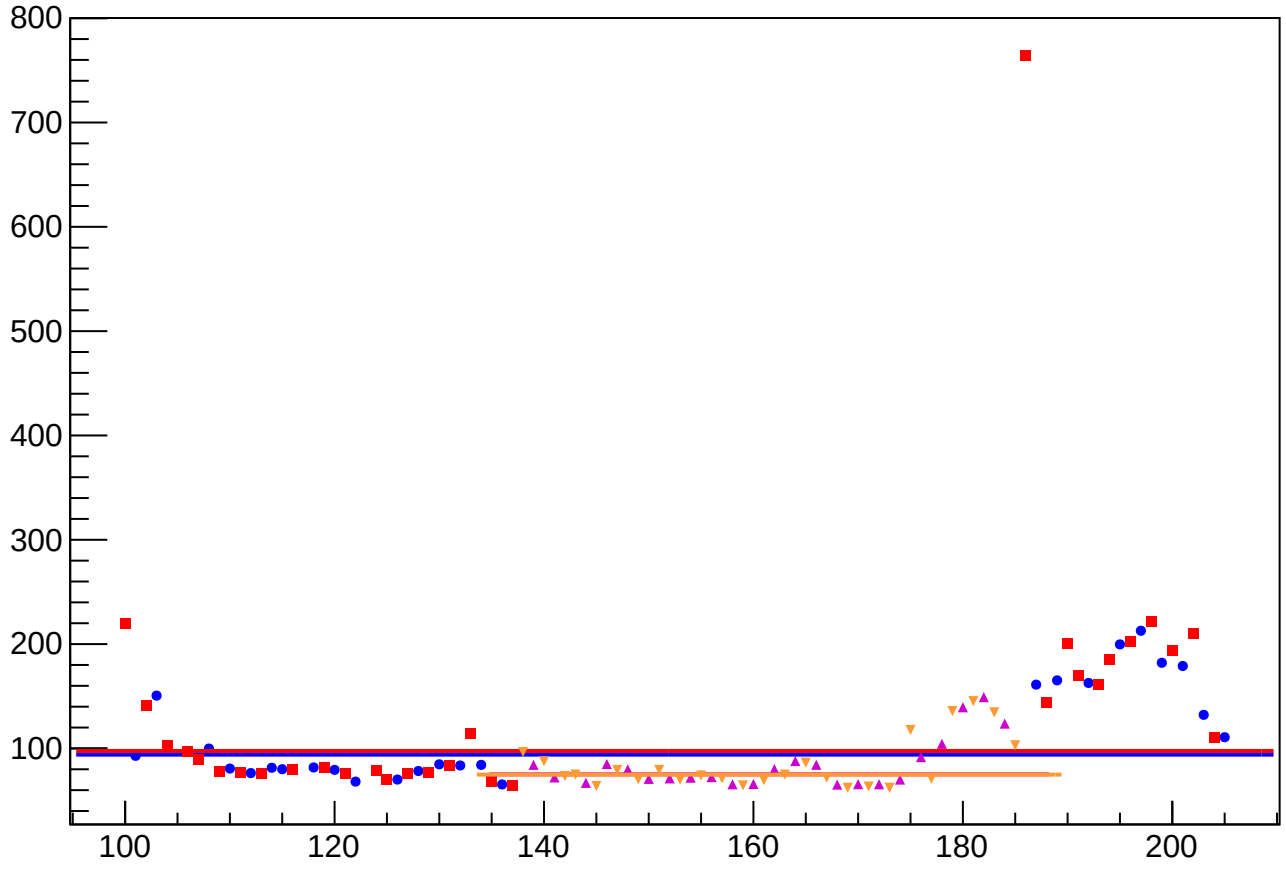
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 12.030+/-19.324 χ^2/NDF: 73.0/54

In: 46.002+/-15.117 χ^2/NDF:63.0/47

Out: 30.938+/-14.863 χ^2/NDF:68.5/54

All: 38.341+/-10.598 χ^2/NDF: 132.0/102



Right In: 94.045+/-0.019 χ^2/NDF: 3449571.9/24

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 97.558+/-0.019 χ^2/NDF: 4711843.3/29

Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

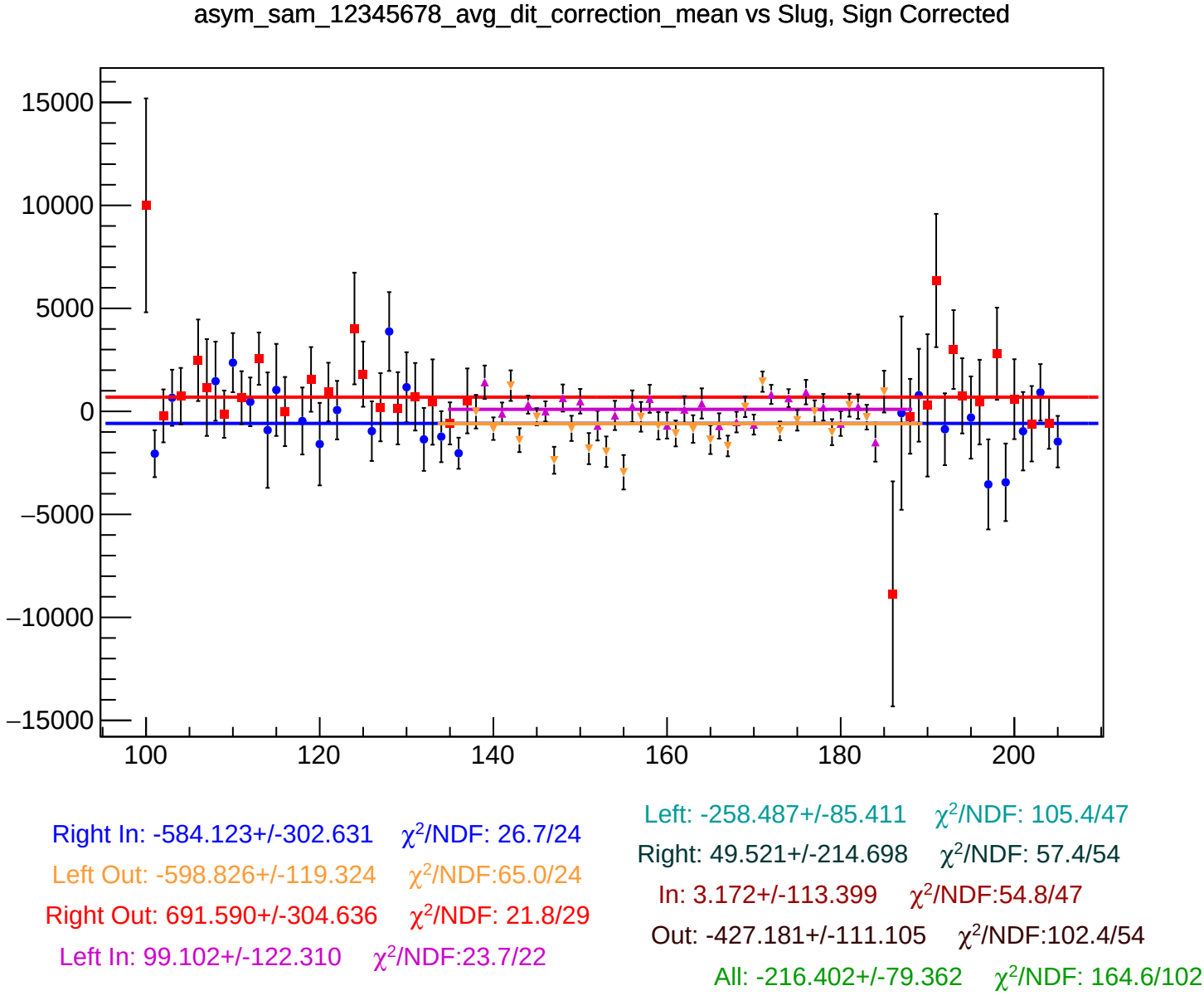
Left: 75.025+/-0.009 χ^2/NDF: 2974293.9/47

Right: 95.782+/-0.014 χ^2/NDF: 8177930.1/54

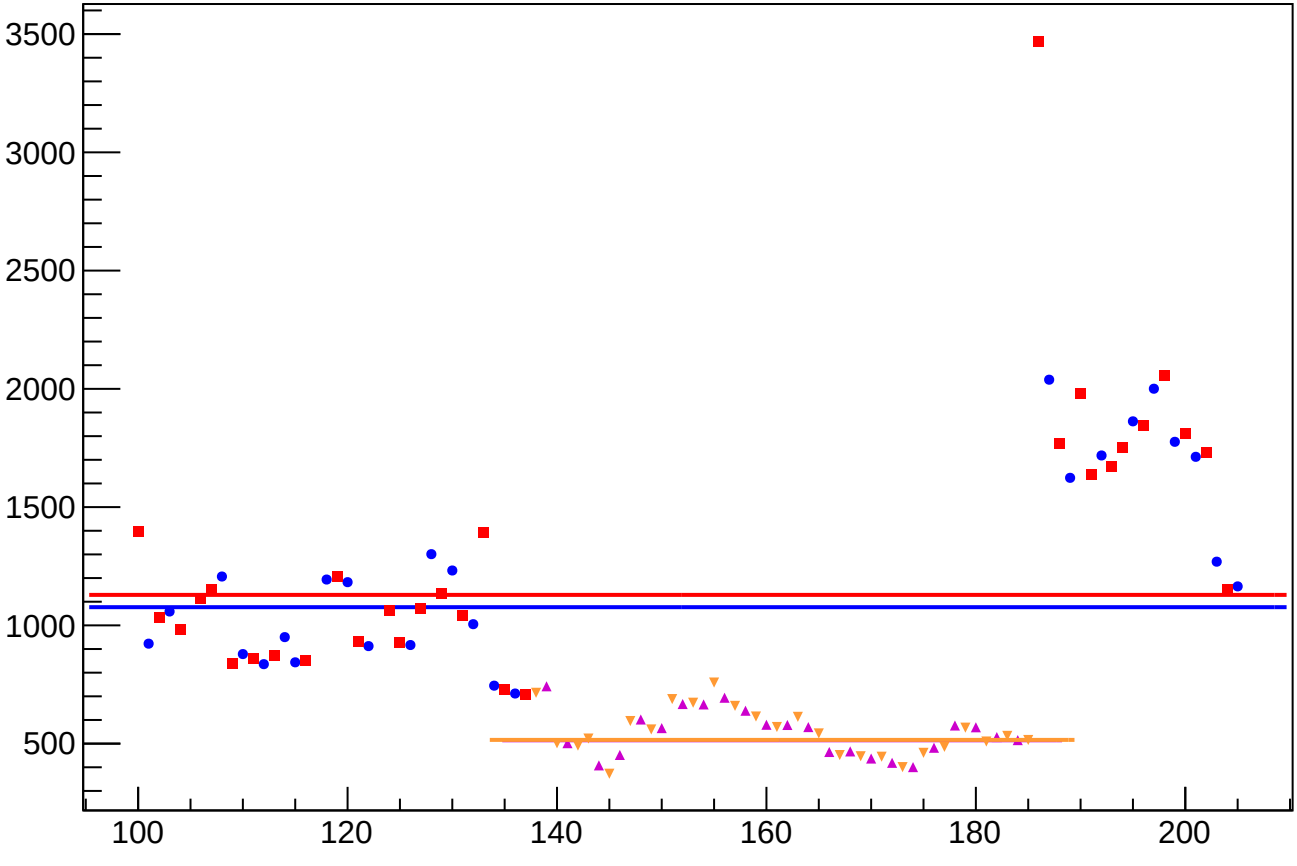
In: 81.000+/-0.011 χ^2/NDF:5429365.8/47

Out: 81.529+/-0.011 χ^2/NDF:7335024.9/54

All: 81.269+/-0.007 χ^2/NDF: 12765633.8/102


asym_sam_12345678_avg_dit_correction_mean vs Slug, Sign Corrected
15000
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -584.123+/-302.631 χ²/NDF: 26.7/24
Left Out: -598.826+/-119.324 χ²/NDF:65.0/24
Right Out: 691.590+/-304.636 χ²/NDF: 21.8/29
Left In: 99.102+/-122.310 χ²/NDF:23.7/22
Left: -258.487+/-85.411 χ²/NDF: 105.4/47
Right: 49.521+/-214.698 χ²/NDF: 57.4/54
In: 3.172+/-113.399 χ²/NDF:54.8/47
Out: -427.181+/-111.105 χ²/NDF:102.4/54
All: -216.402+/-79.362 χ²/NDF: 164.6/102

asym_sam_12345678_avg_dit_correction_rms vs Slug, Sign Corrected



Right In: 1076.911+/-0.214 χ^2/NDF: 2605959.5/24

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1128.872+/-0.215 χ^2/NDF: 3192913.1/29

Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

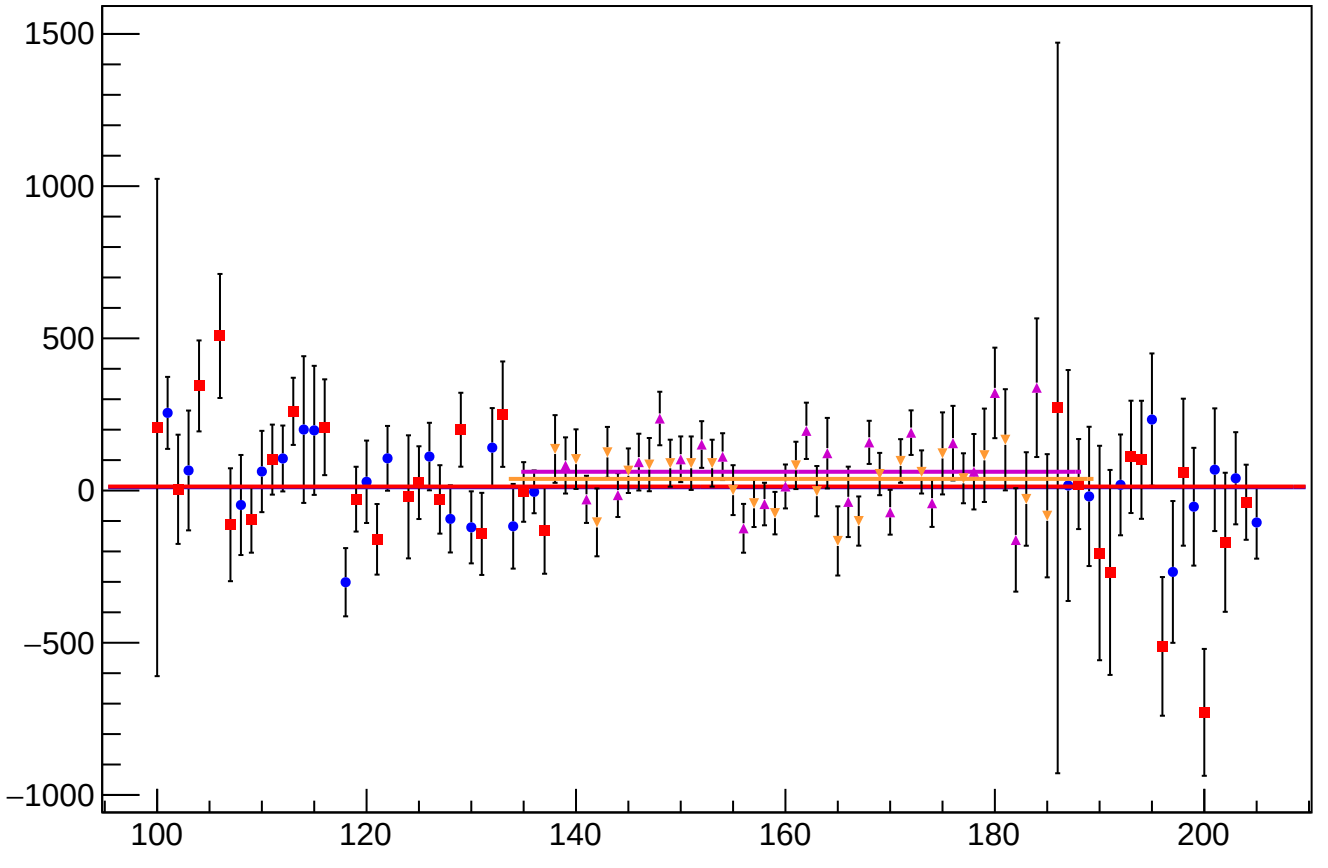
Left: 514.945+/-0.060 χ^2/NDF: 2349554.8/47

Right: 1102.720+/-0.152 χ^2/NDF: 5828157.3/54

In: 593.113+/-0.080 χ^2/NDF:9669044.7/47

Out: 597.315+/-0.079 χ^2/NDF:11448911.0/54

All: 595.257+/-0.056 χ^2/NDF: 21119356.8/10



Right In: 10.912+/-27.177 χ^2/NDF: 23.9/24

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: 13.172+/-27.482 χ^2/NDF: 49.1/29

Left In: 61.723+/-18.192 χ^2/NDF:36.7/22

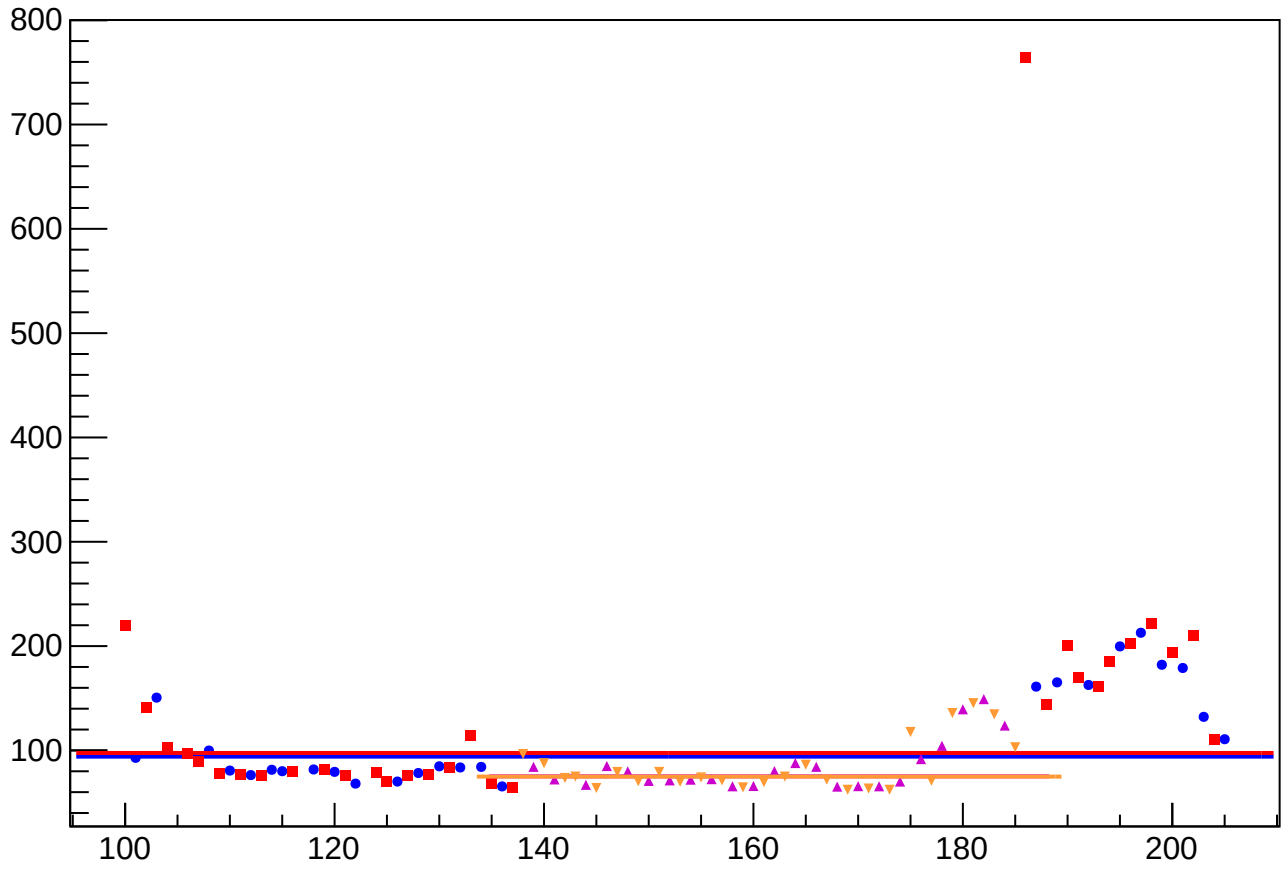
Left: 49.661+/-12.675 χ^2/NDF: 56.4/47

Right: 12.029+/-19.324 χ^2/NDF: 73.0/54

In: 46.001+/-15.117 χ^2/NDF:63.0/47

Out: 30.937+/-14.863 χ^2/NDF:68.5/54

All: 38.341+/-10.598 χ^2/NDF: 132.0/102



Right In: 94.045+/-0.019 χ^2/NDF: 3449581.8/24

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

Right Out: 97.557+/-0.019 χ^2/NDF: 4711871.5/29

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

Left: 75.026+/-0.009 χ^2/NDF: 2974276.9/47

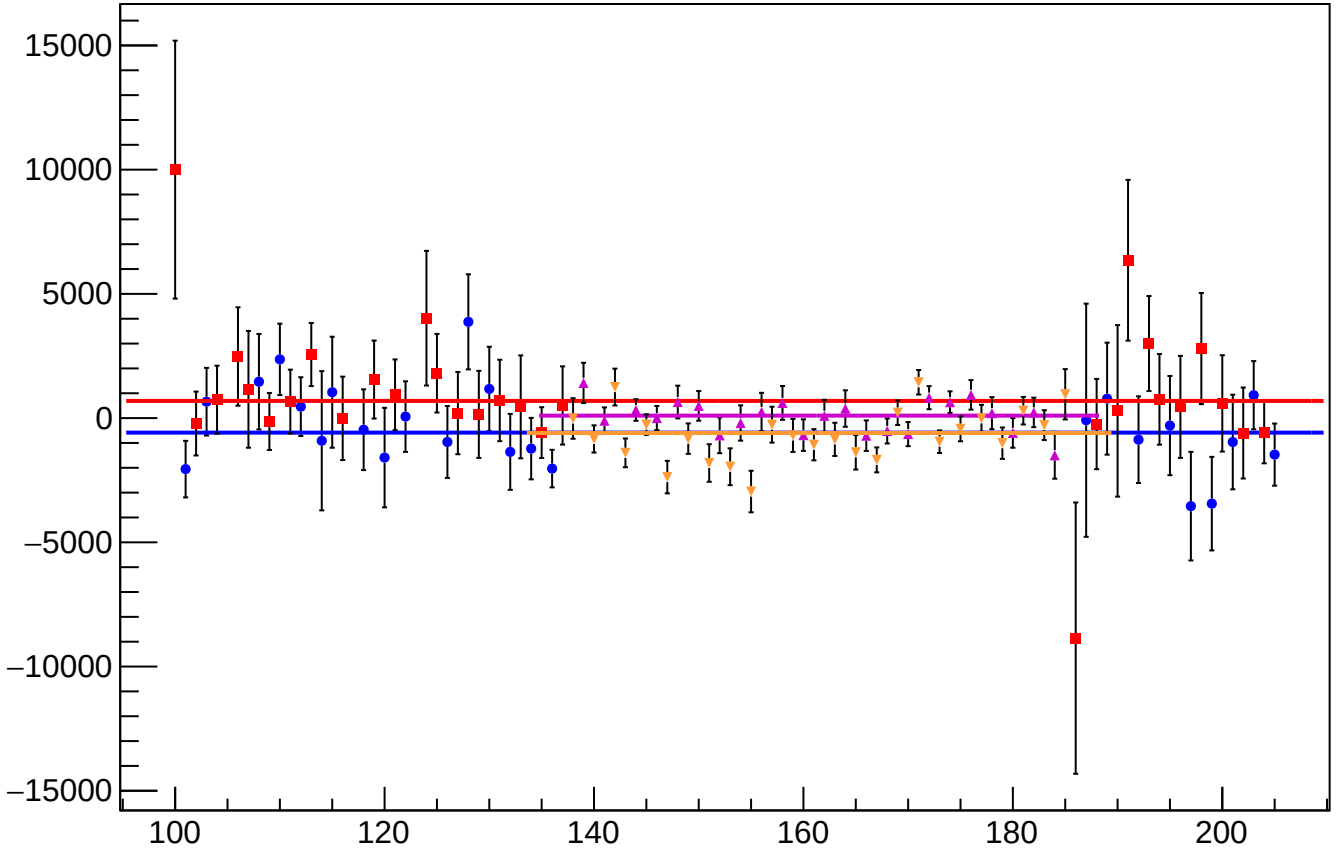
Right: 95.782+/-0.014 χ^2/NDF: 8177968.8/54

In: 81.001+/-0.011 χ^2/NDF:5429325.3/47

Out: 81.529+/-0.011 χ^2/NDF:7335015.5/54

All: 81.269+/-0.007 χ^2/NDF: 12765583.9/102

asym_sam_12345678_avg_eigen_dit_correction_mean vs Slug, Sign Corrected



Right In: -584.120+/-302.631 χ^2/NDF: 26.7/24

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

Right Out: 691.590+/-304.636 χ^2/NDF: 21.8/29

Left In: 99.101+/-122.310 χ^2/NDF:23.7/22

Left: -258.487+/-85.411 χ^2/NDF: 105.4/47

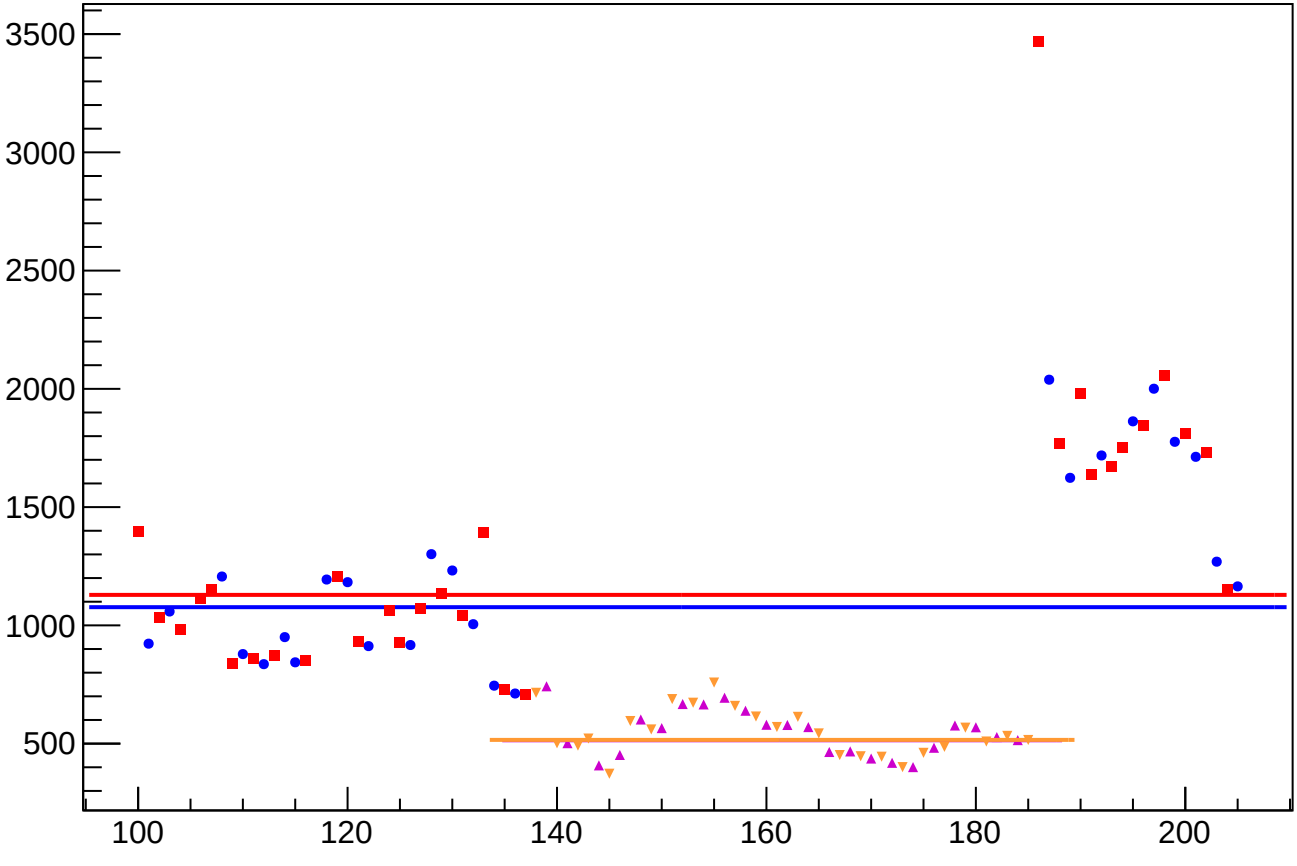
Right: 49.523+/-214.698 χ^2/NDF: 57.4/54

In: 3.172+/-113.399 χ^2/NDF:54.8/47

Out: -427.180+/-111.105 χ^2/NDF:102.4/54

All: -216.402+/-79.362 χ^2/NDF: 164.6/102

asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug, Sign Corrected



Right In: 1076.909+/-0.214 χ^2/NDF: 2605965.9/24

Left Out: 515.761+/-0.084 χ^2/NDF:1232481.1/24

Right Out: 1128.869+/-0.215 χ^2/NDF: 3192922.2/29

Left In: 514.087+/-0.086 χ^2/NDF:1116882.7/22

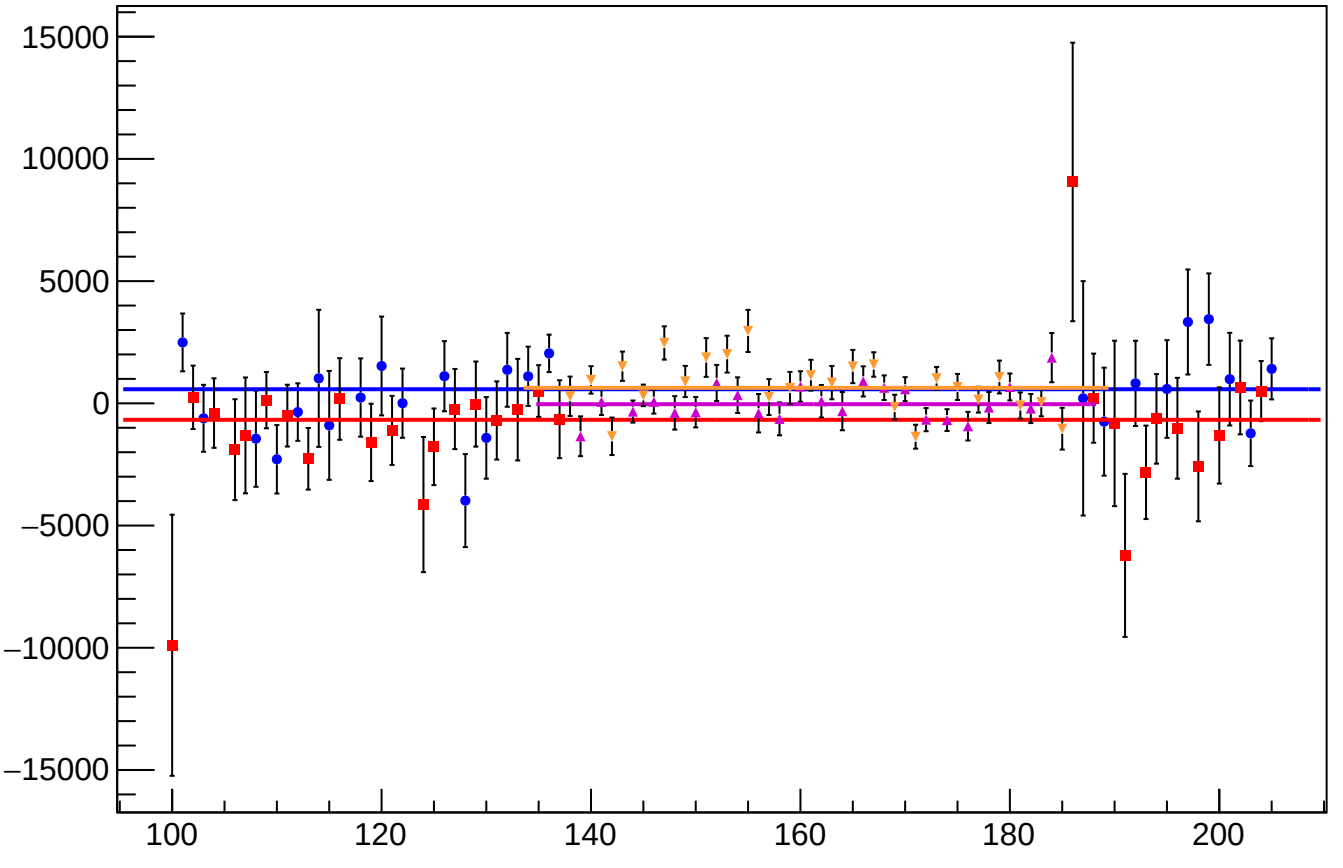
Left: 514.944+/-0.060 χ^2/NDF: 2349555.7/47

Right: 1102.718+/-0.152 χ^2/NDF: 5828172.6/54

In: 593.112+/-0.080 χ^2/NDF:9669044.3/47

Out: 597.314+/-0.079 χ^2/NDF:11448916.1/54

All: 595.256+/-0.056 χ^2/NDF: 21119361.5/10



Right In: 576.786+/-302.183 χ^2/NDF: 28.3/24

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: -673.807+/-306.265 χ^2/NDF: 19.7/29

Left In: -34.808+/-123.517 χ^2/NDF:25.1/22

Left: 307.664+/-86.333 χ^2/NDF: 104.6/47

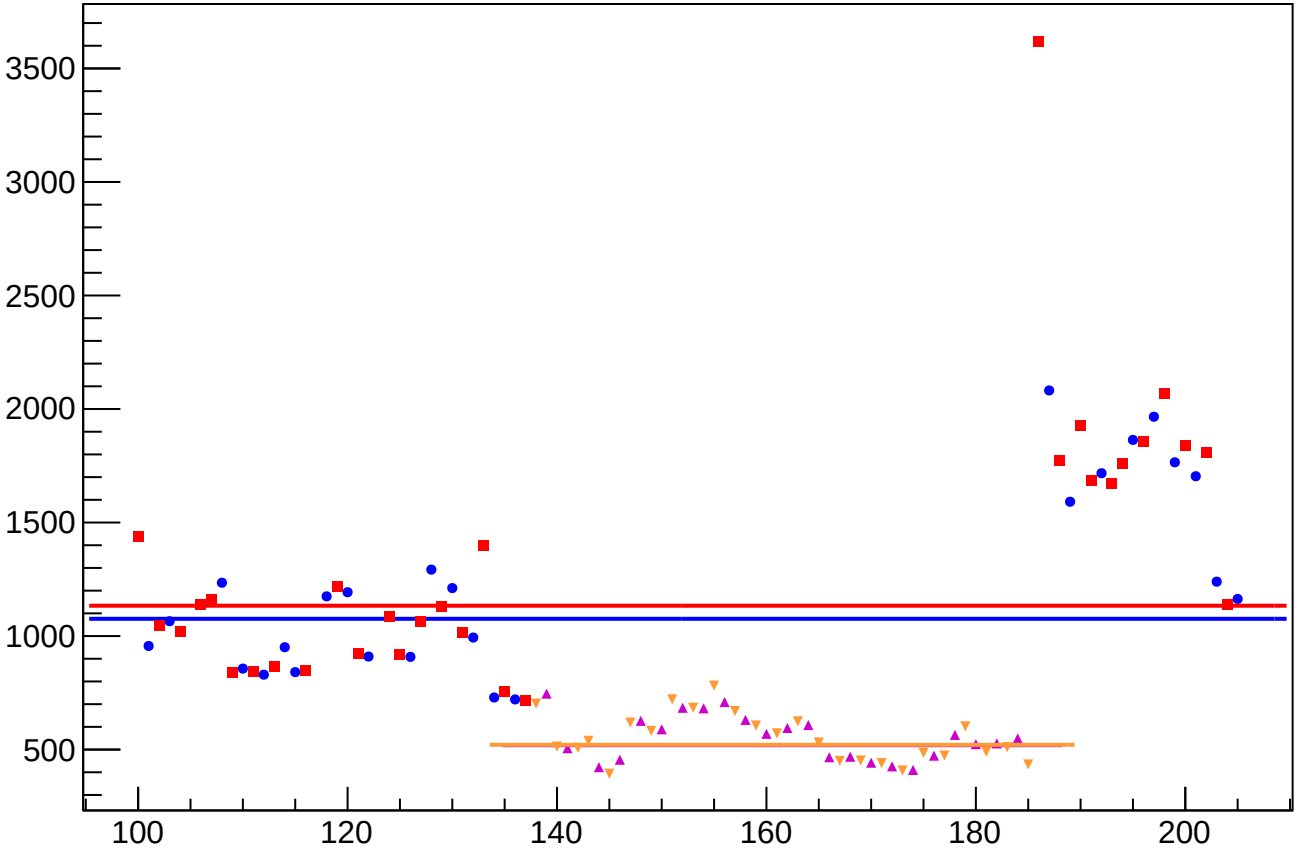
Right: -40.120+/-215.104 χ^2/NDF: 56.4/54

In: 52.747+/-114.335 χ^2/NDF:56.9/47

Out: 458.818+/-112.308 χ^2/NDF:100.0/54

All: 259.414+/-80.121 χ^2/NDF: 163.3/102

asym_sam_12345678_avg_rms vs Slug, Sign Corrected



Right In: 1075.948+/-0.214 χ^2/NDF: 2556608.1/24

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

Right Out: 1133.588+/-0.217 χ^2/NDF: 3223424.8/29

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

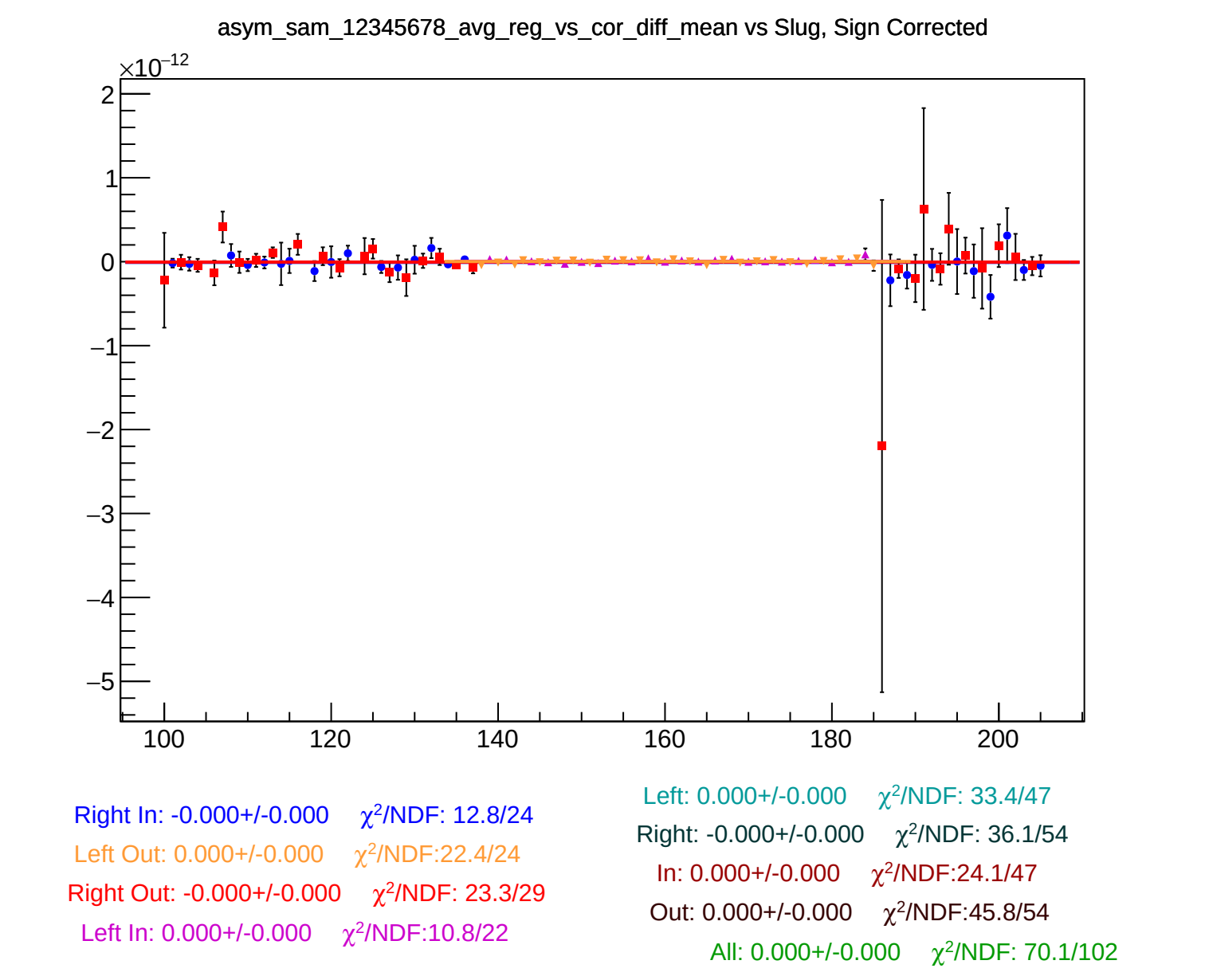
Left: 520.153+/-0.061 χ^2/NDF: 2343771.0/47

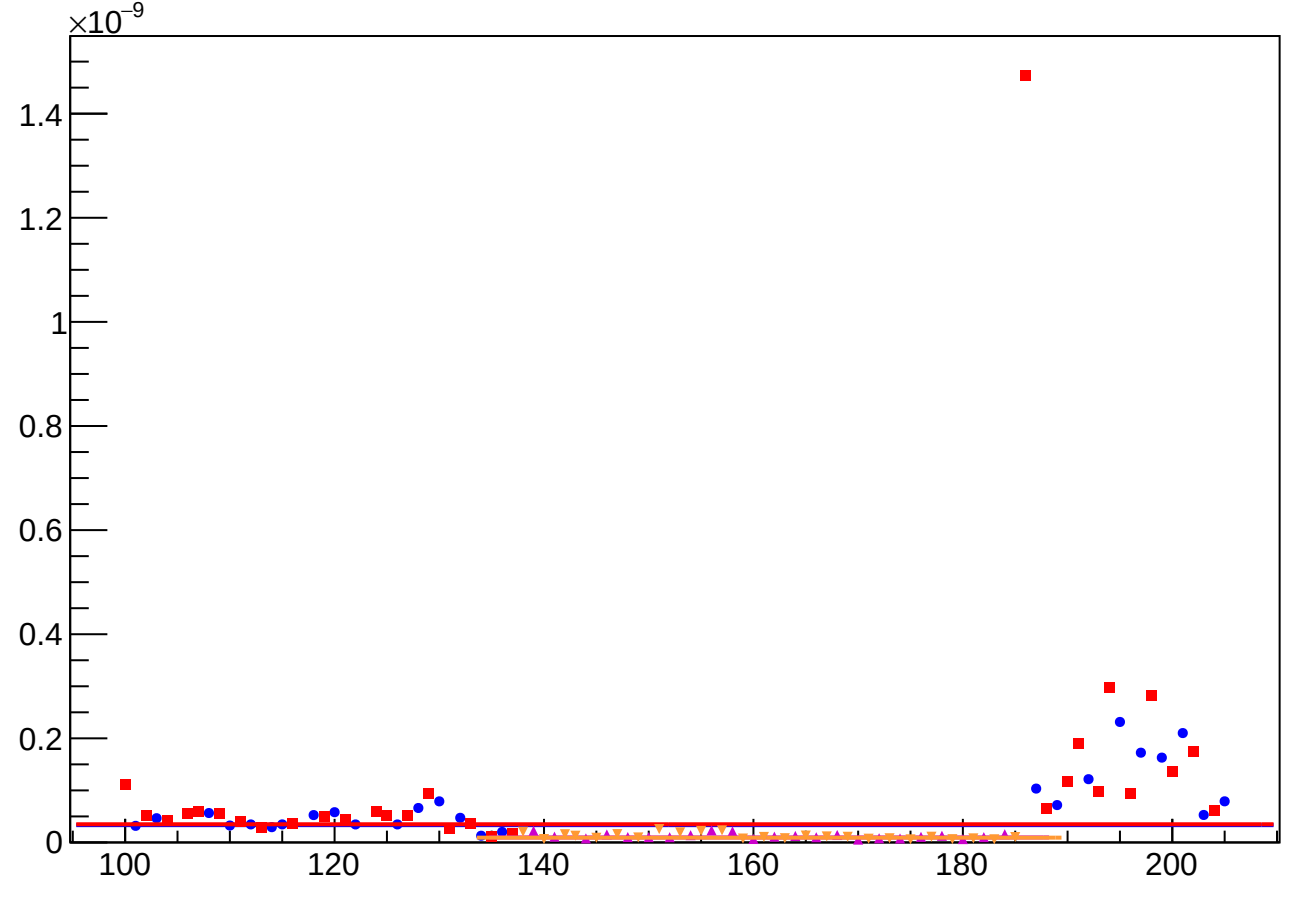
Right: 1104.381+/-0.152 χ^2/NDF: 5815929.1/54

In: 598.937+/-0.081 χ^2/NDF:9473449.3/47

Out: 603.396+/-0.079 χ^2/NDF:11391414.1/54

All: 601.206+/-0.057 χ^2/NDF: 20866411.6/10


asym_sam_12345678_avg_reg_vs_cor_diff_mean vs Slug, Sign Corrected
×10^−12
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 12.8/24
Left Out: 0.000+/-0.000 χ²/NDF:22.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 23.3/29
Left In: 0.000+/-0.000 χ²/NDF:10.8/22
Left: 0.000+/-0.000 χ²/NDF: 33.4/47
Right: -0.000+/-0.000 χ²/NDF: 36.1/54
In: 0.000+/-0.000 χ²/NDF:24.1/47
Out: 0.000+/-0.000 χ²/NDF:45.8/54
All: 0.000+/-0.000 χ²/NDF: 70.1/102



Right In: 0.000+/-0.000 χ^2/NDF: 4250487.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5280453.9/29

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

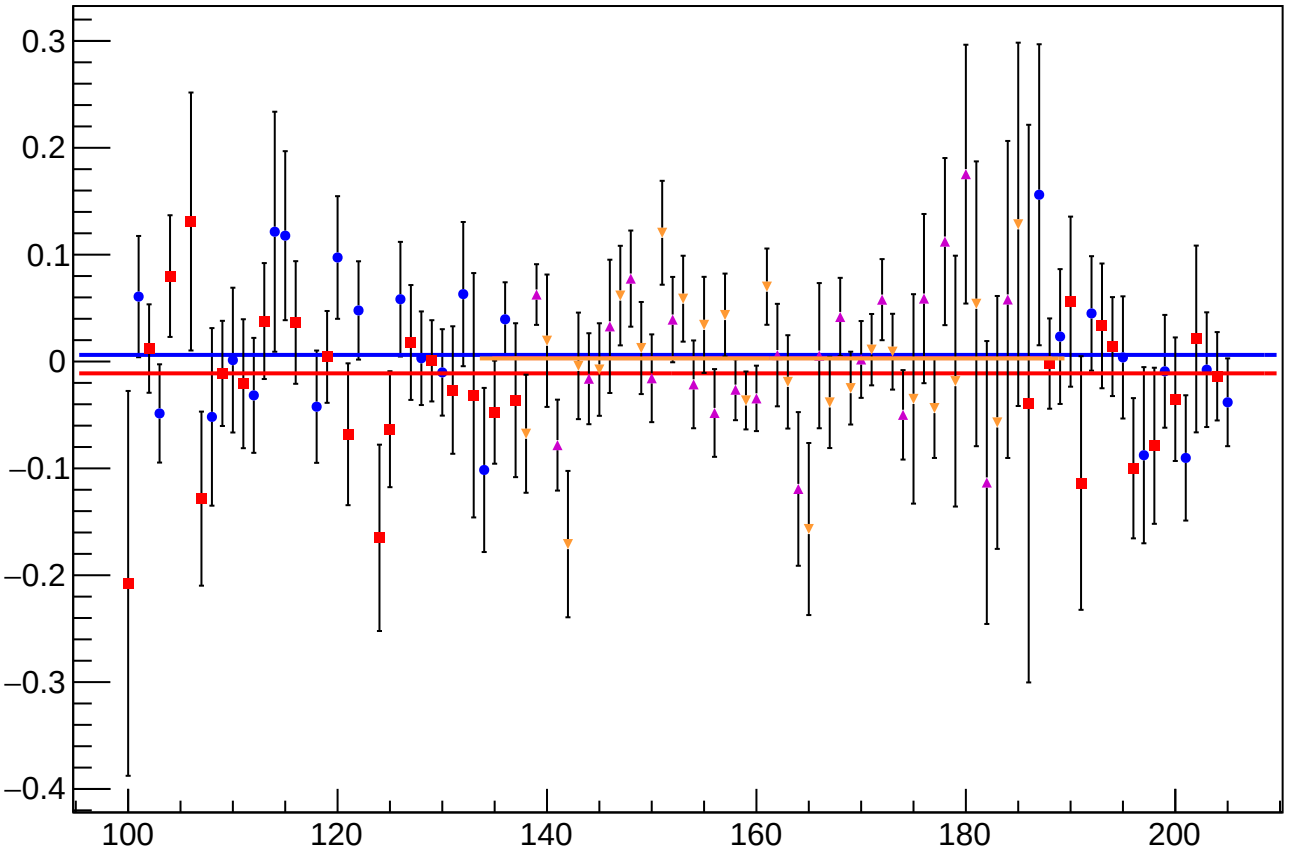
Left: 0.000+/-0.000 χ^2/NDF: 3761199.7/47

Right: 0.000+/-0.000 χ^2/NDF: 9540191.8/54

In: 0.000+/-0.000 χ^2/NDF:9505027.9/47

Out: 0.000+/-0.000 χ^2/NDF:11180046.7/54

All: 0.000+/-0.000 χ^2/NDF: 20706719.8/102



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

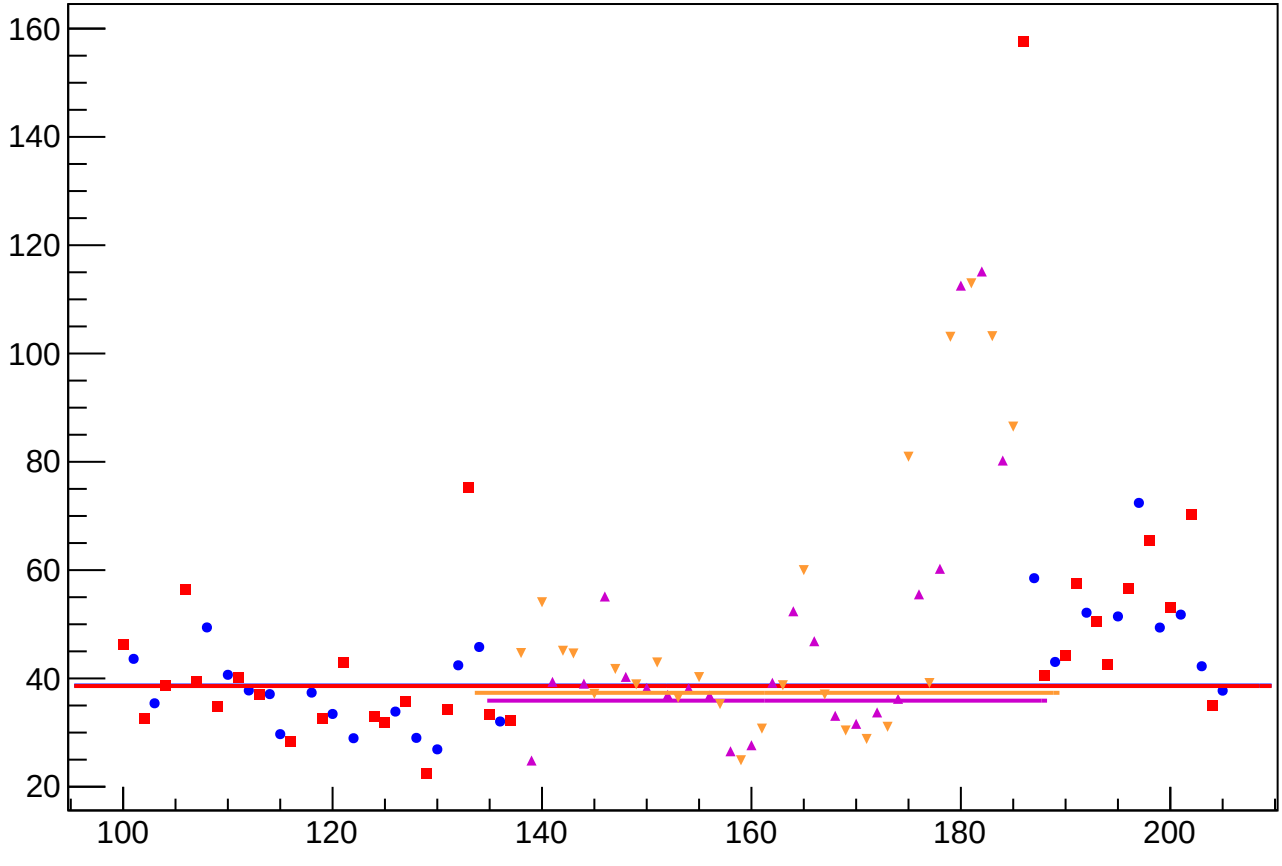
Right: -0.003+/-0.008 χ^2/NDF: 44.1/54

In: 0.004+/-0.007 χ^2/NDF:52.2/47

Out: -0.003+/-0.007 χ^2/NDF:54.4/54

All: 0.001+/-0.005 χ^2/NDF: 107.1/102

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.685+/-0.008 χ^2/NDF: 1376105.9/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283552.7/29

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

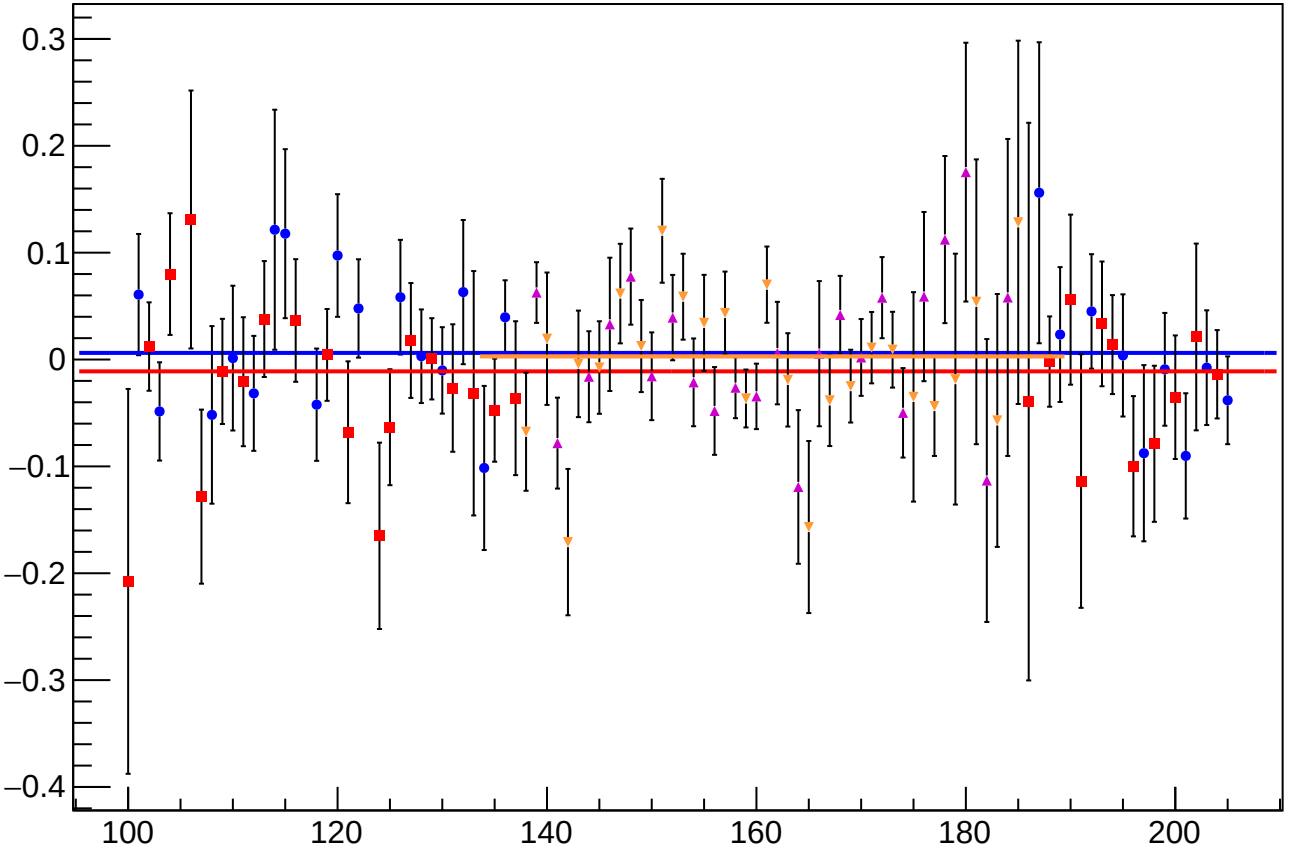
Right: 38.638+/-0.005 χ^2/NDF: 3659732.1/54

In: 37.038+/-0.005 χ^2/NDF:4590353.2/47

Out: 37.878+/-0.005 χ^2/NDF:5995764.5/54

All: 37.460+/-0.004 χ^2/NDF: 10600440.8/102

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

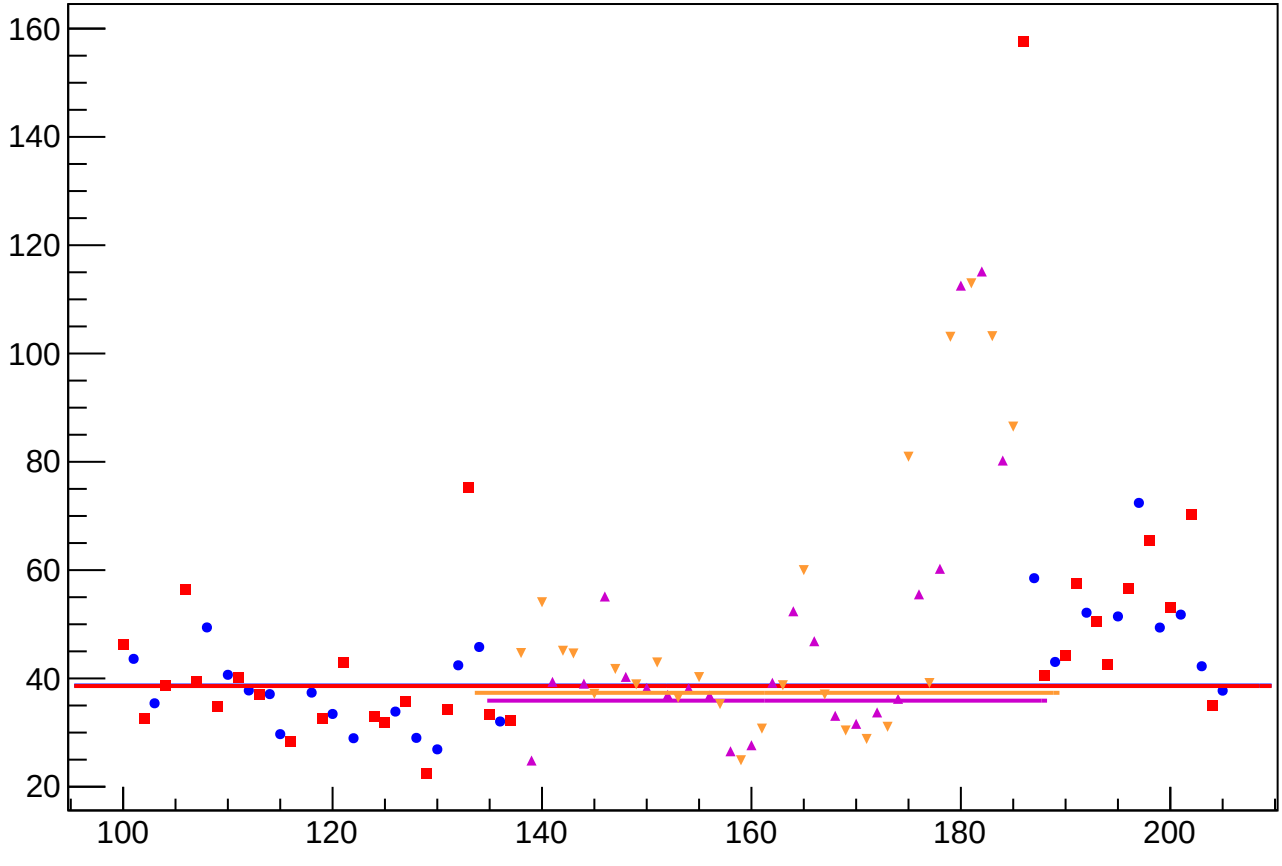
Right: -0.003+/-0.008 χ^2/NDF: 44.1/54

In: 0.004+/-0.007 χ^2/NDF:52.2/47

Out: -0.003+/-0.007 χ^2/NDF:54.4/54

All: 0.001+/-0.005 χ^2/NDF: 107.1/102

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.685+/-0.008 χ^2/NDF: 1376105.9/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283552.7/29

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

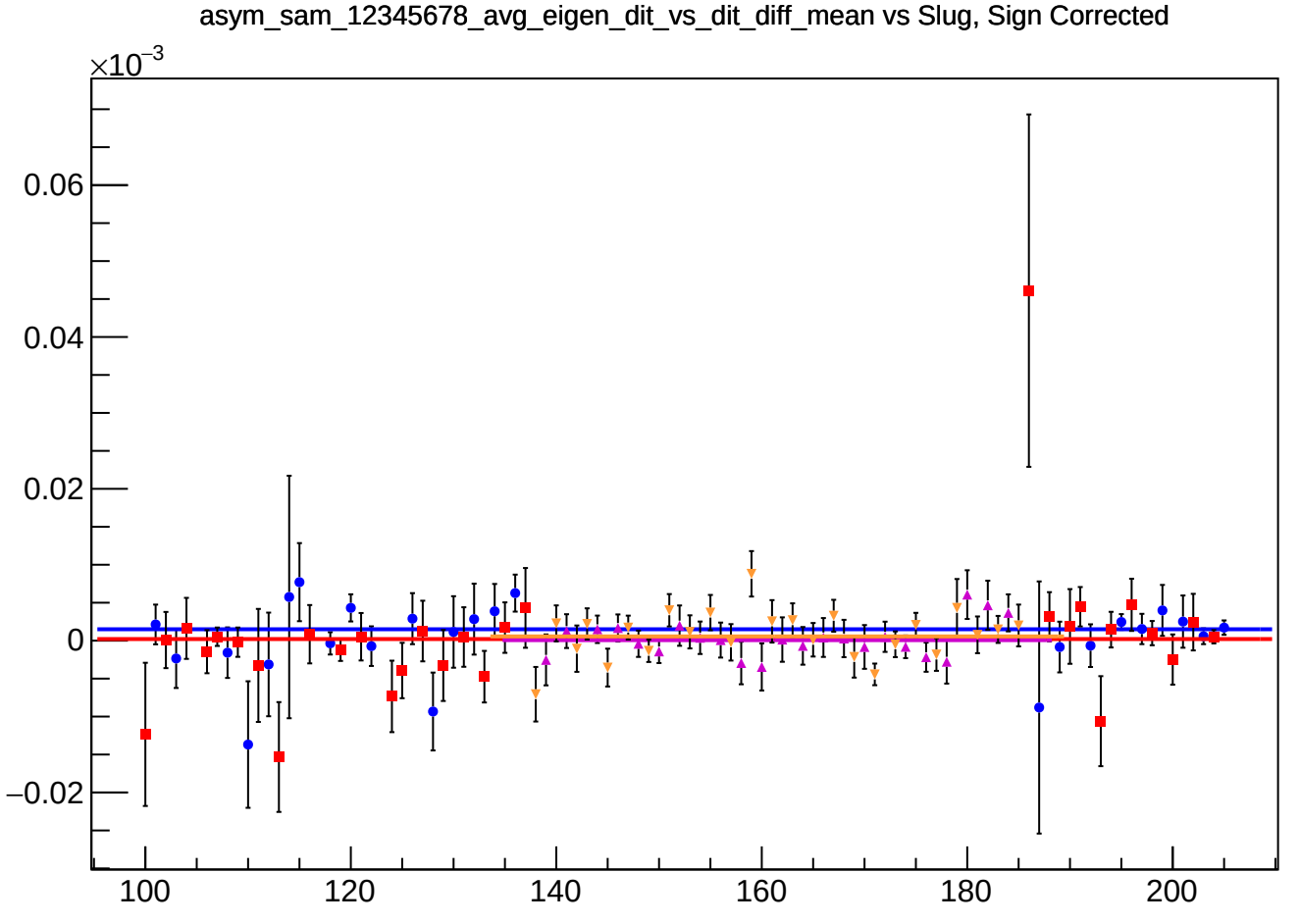
Left: 36.612+/-0.005 χ^2/NDF: 6859658.6/47

Right: 38.638+/-0.005 χ^2/NDF: 3659732.1/54

In: 37.038+/-0.005 χ^2/NDF:4590353.2/47

Out: 37.878+/-0.005 χ^2/NDF:5995764.5/54

All: 37.460+/-0.004 χ^2/NDF: 10600440.8/102



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 29.8/29

Left In: 0.000+/-0.000 χ^2/NDF:16.9/22

Left: 0.000+/-0.000 χ^2/NDF: 61.1/47

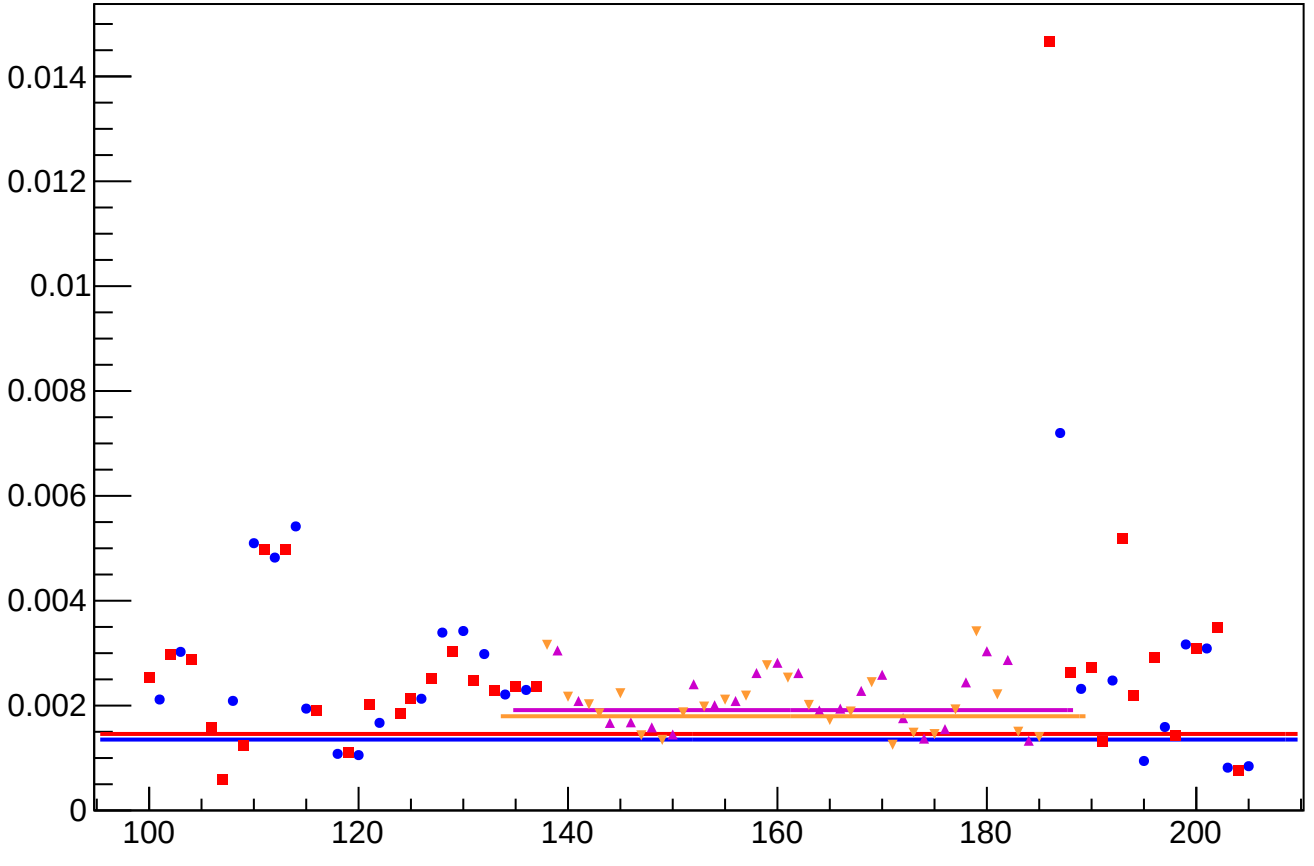
Right: 0.000+/-0.000 χ^2/NDF: 58.8/54

In: 0.000+/-0.000 χ^2/NDF:46.8/47

Out: 0.000+/-0.000 χ^2/NDF:73.7/54

All: 0.000+/-0.000 χ^2/NDF: 121.5/102

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs Slug, Sign Corrected



Right In: 0.001+/-0.000 χ^2/NDF: 6615911.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8464577.9/29

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

Left: 0.002+/-0.000 χ^2/NDF: 4520286.4/47

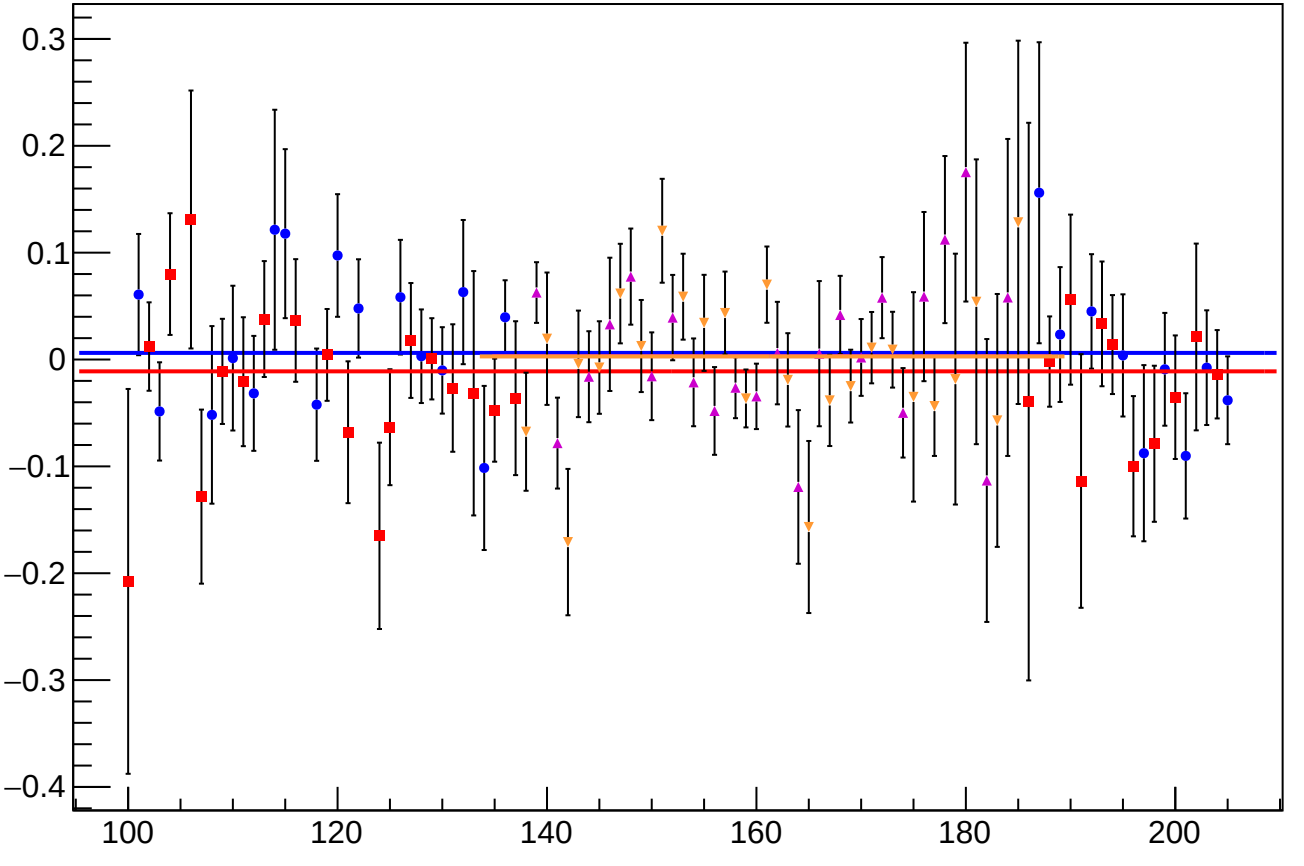
Right: 0.001+/-0.000 χ^2/NDF: 15139020.2/54

In: 0.002+/-0.000 χ^2/NDF:10357802.3/47

Out: 0.002+/-0.000 χ^2/NDF:11332777.9/54

All: 0.002+/-0.000 χ^2/NDF: 21698832.0/102

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

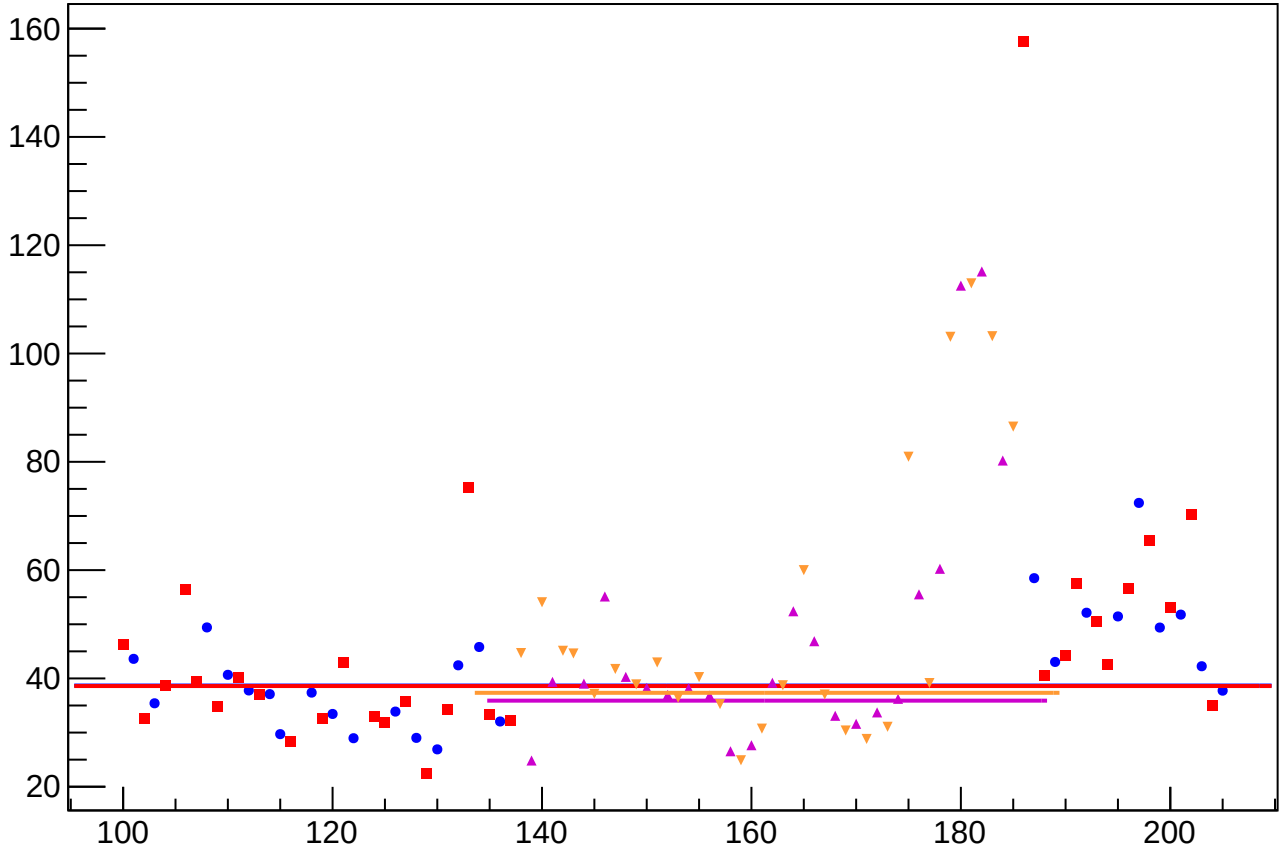
Right: -0.003+/-0.008 χ^2/NDF: 44.1/54

In: 0.004+/-0.007 χ^2/NDF:52.2/47

Out: -0.003+/-0.007 χ^2/NDF:54.4/54

All: 0.001+/-0.005 χ^2/NDF: 107.1/102

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.685+/-0.008 χ^2/NDF: 1376221.0/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283671.5/29

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

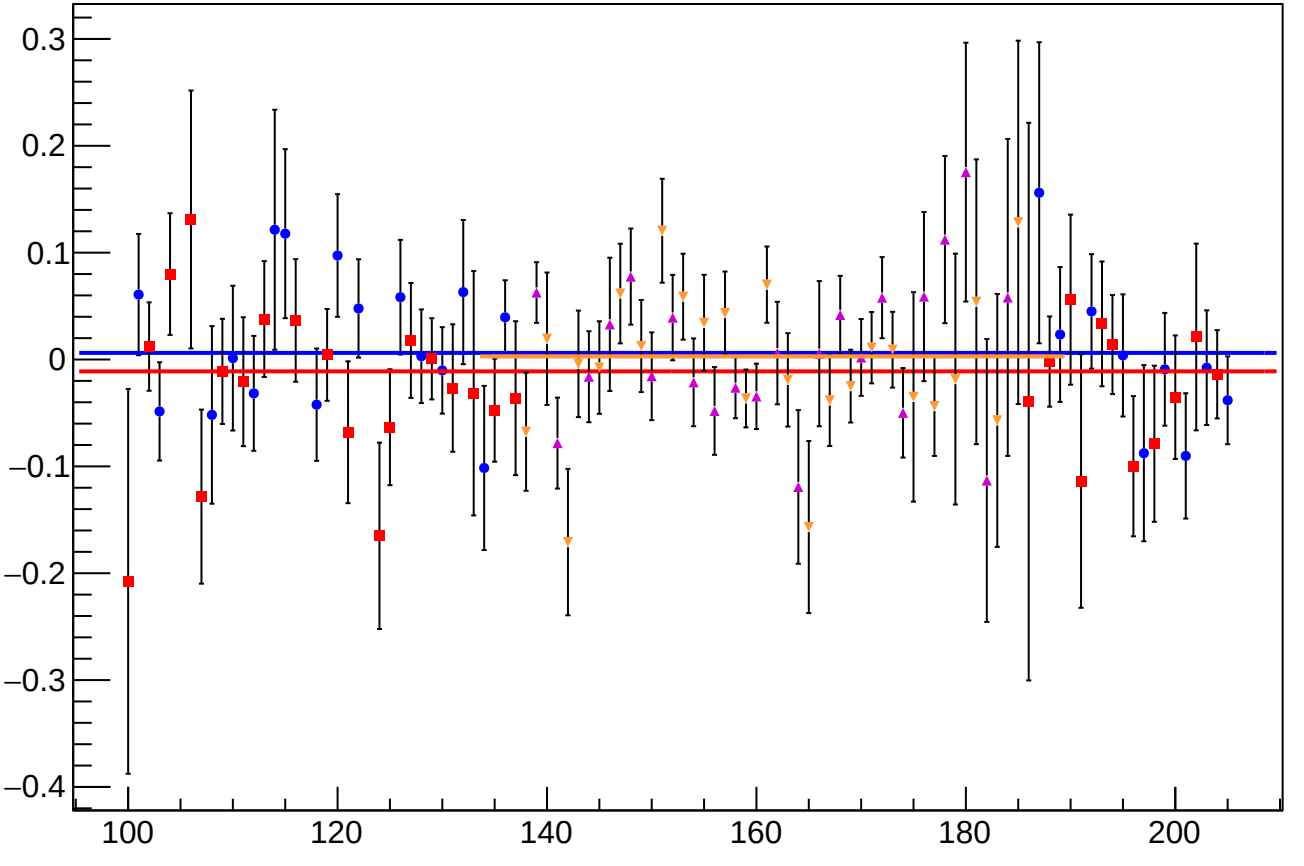
Right: 38.637+/-0.005 χ^2/NDF: 3659965.6/54

In: 37.038+/-0.005 χ^2/NDF:4590430.8/47

Out: 37.878+/-0.005 χ^2/NDF:5995918.7/54

All: 37.460+/-0.004 χ^2/NDF: 10600673.6/102

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: -0.011+/-0.011 χ^2/NDF: 20.5/29

Left In: 0.003+/-0.009 χ^2/NDF:29.8/22

Left: 0.003+/-0.007 χ^2/NDF: 62.7/47

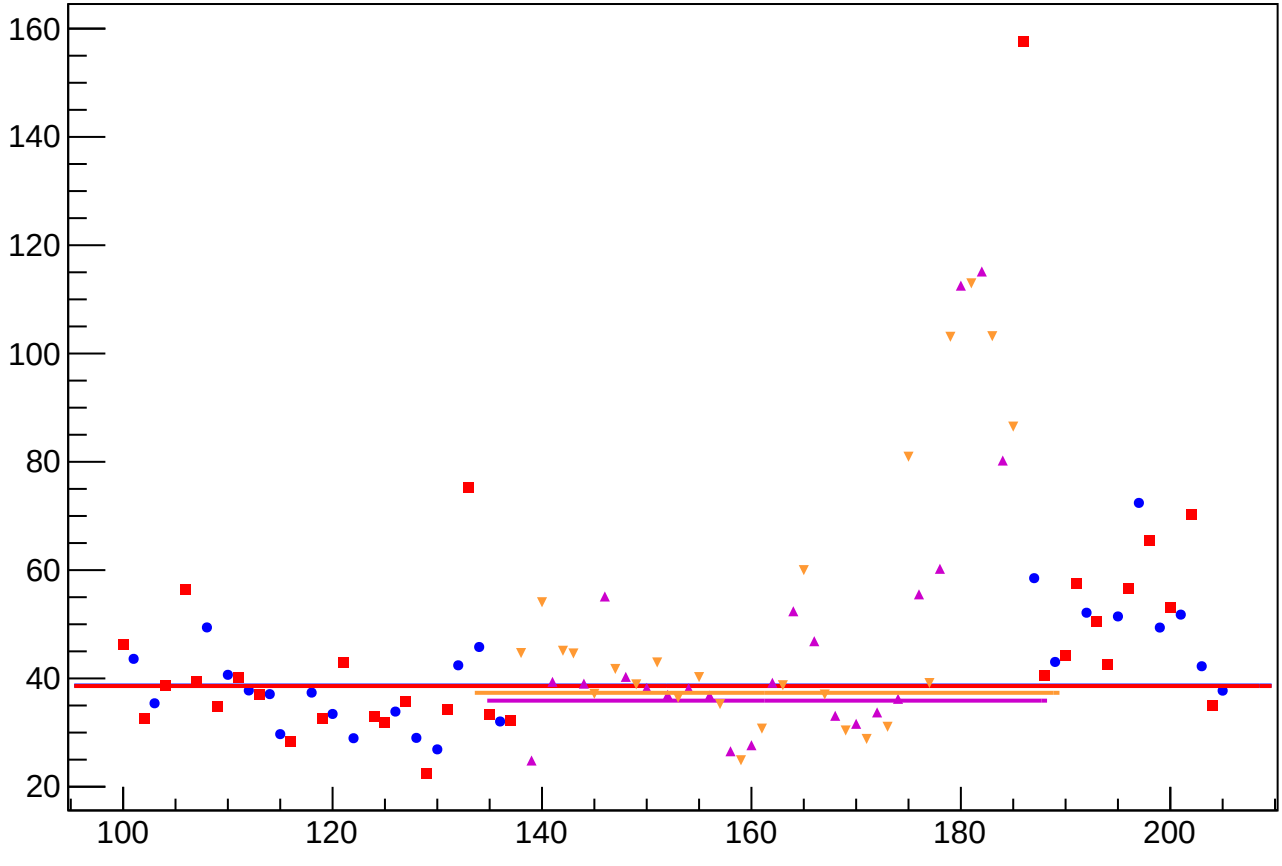
Right: -0.003+/-0.008 χ^2/NDF: 44.1/54

In: 0.004+/-0.007 χ^2/NDF:52.2/47

Out: -0.003+/-0.007 χ^2/NDF:54.4/54

All: 0.001+/-0.005 χ^2/NDF: 107.1/102

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug, Sign Corrected



Right In: 38.685+/-0.008 χ^2/NDF: 1376221.0/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

Right Out: 38.592+/-0.008 χ^2/NDF: 2283671.5/29

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

Left: 36.612+/-0.005 χ^2/NDF: 6859720.7/47

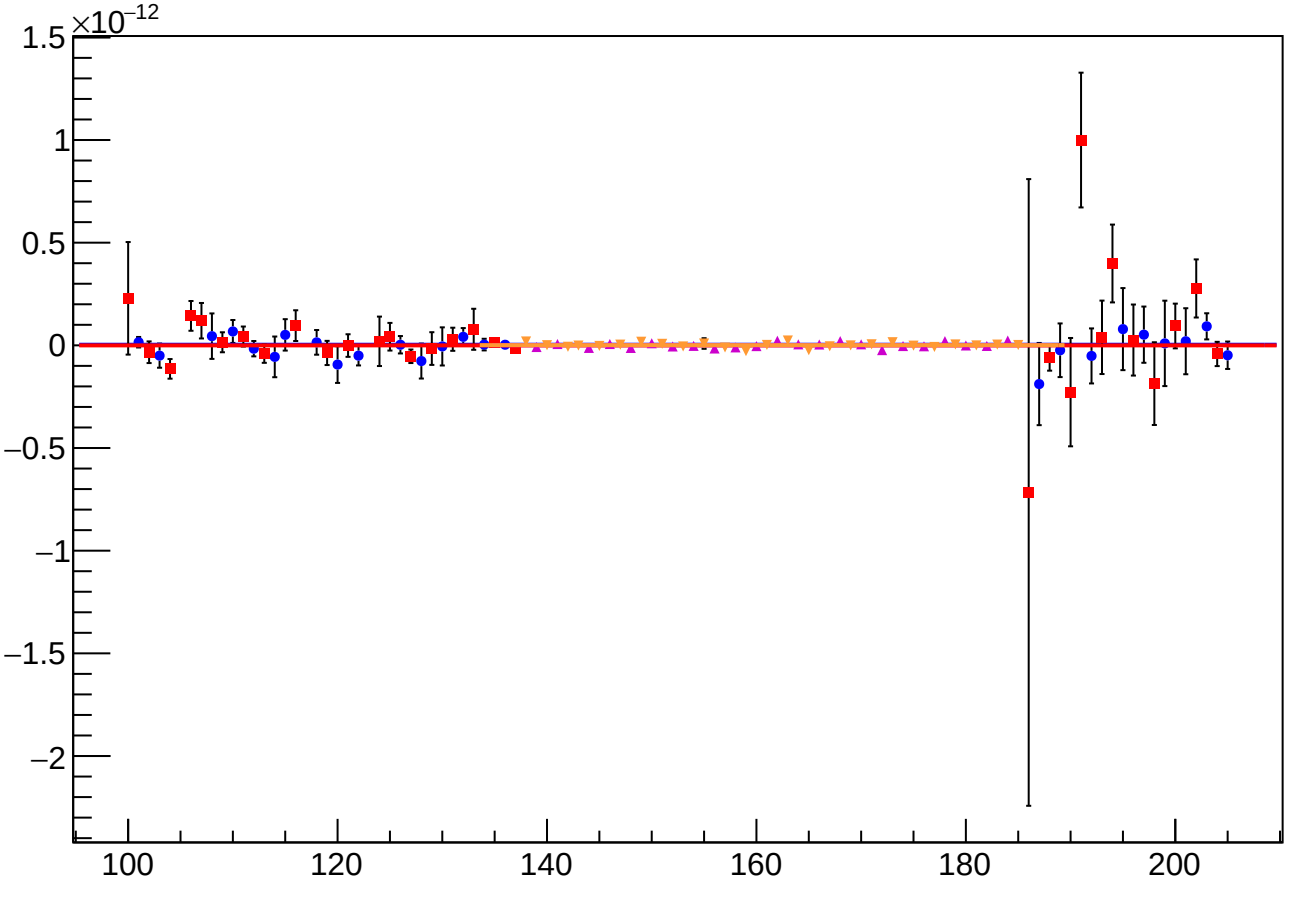
Right: 38.637+/-0.005 χ^2/NDF: 3659965.6/54

In: 37.038+/-0.005 χ^2/NDF:4590430.8/47

Out: 37.878+/-0.005 χ^2/NDF:5995918.7/54

All: 37.460+/-0.004 χ^2/NDF: 10600673.6/102

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs Slug, Sign Corrected



Right In: 0.000+/-0.000 χ^2/NDF: 11.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 43.1/29

Left In: 0.000+/-0.000 χ^2/NDF:29.2/22

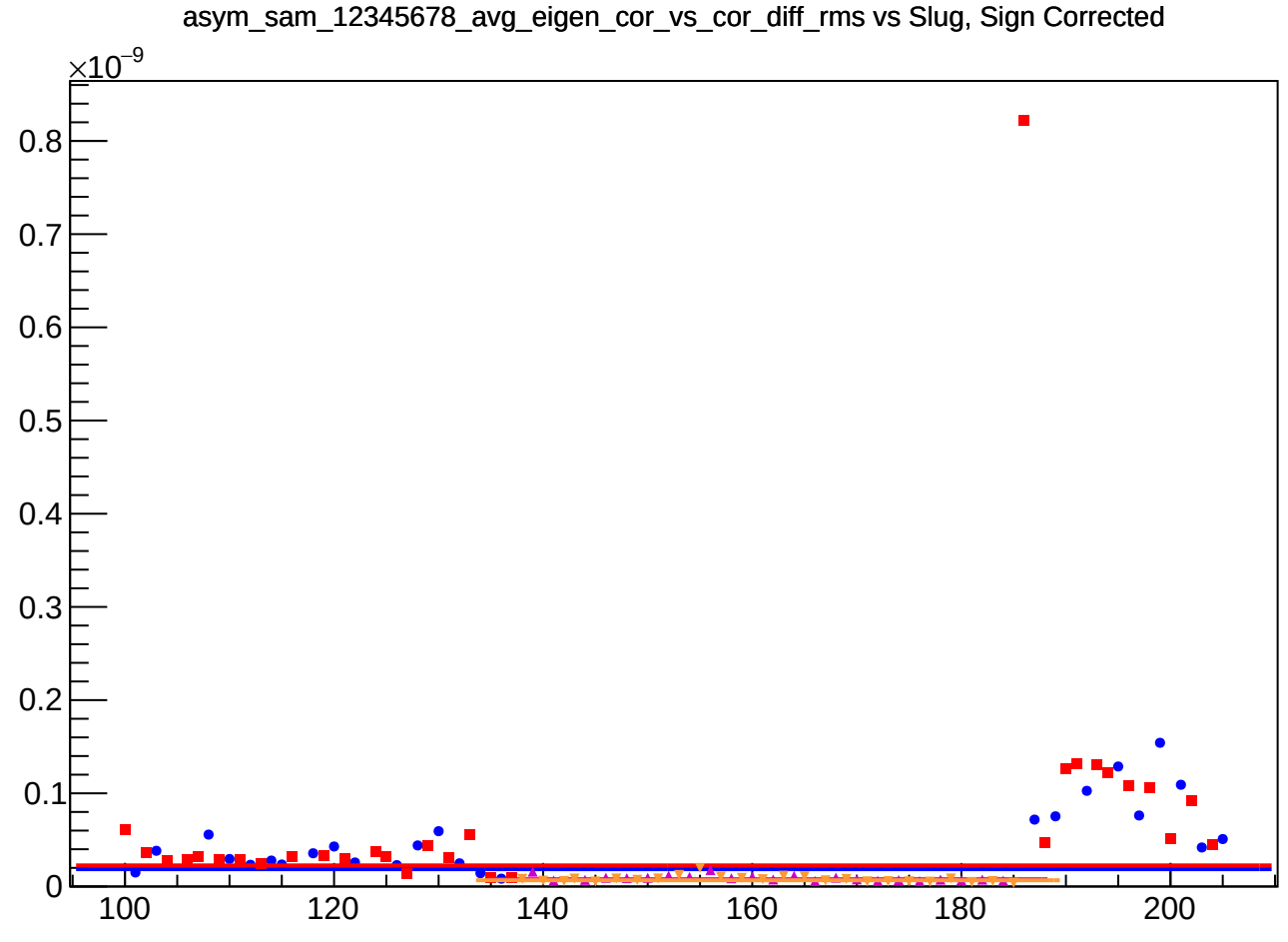
Left: 0.000+/-0.000 χ^2/NDF: 50.6/47

Right: 0.000+/-0.000 χ^2/NDF: 54.8/54

In: 0.000+/-0.000 χ^2/NDF:40.9/47

Out: 0.000+/-0.000 χ^2/NDF:64.5/54

All: 0.000+/-0.000 χ^2/NDF: 105.4/102



Right In: 0.000+/-0.000 χ^2/NDF: 7494022.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7042963.6/29

Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

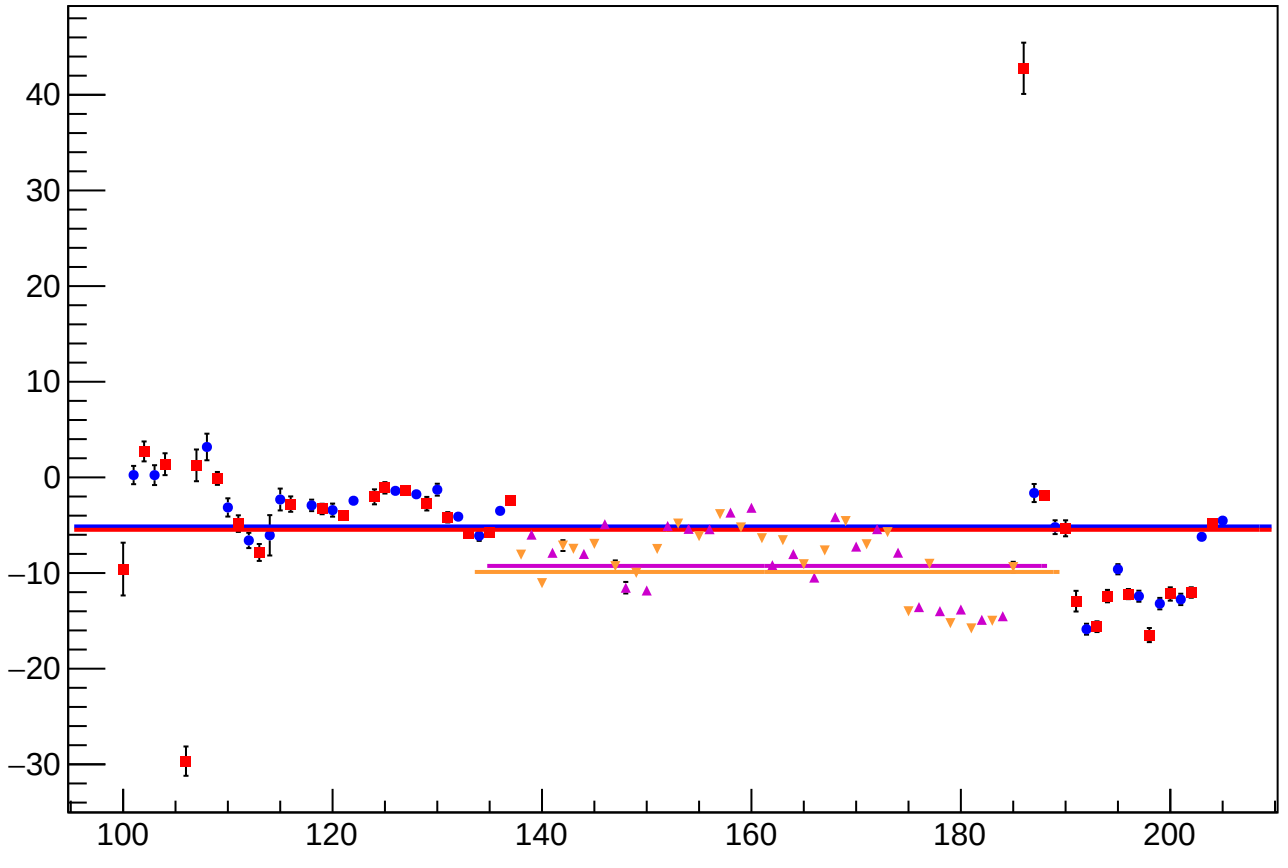
Left: 0.000+/-0.000 χ^2/NDF: 4027727.7/47

Right: 0.000+/-0.000 χ^2/NDF: 14731286.0/54

In: 0.000+/-0.000 χ^2/NDF:12122846.9/47

Out: 0.000+/-0.000 χ^2/NDF:14321426.5/54

All: 0.000+/-0.000 χ^2/NDF: 26749220.1/102



Right In: -5.129+/-0.110 χ^2/NDF: 1315.5/24

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.479+/-0.109 χ^2/NDF: 2253.5/29

Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

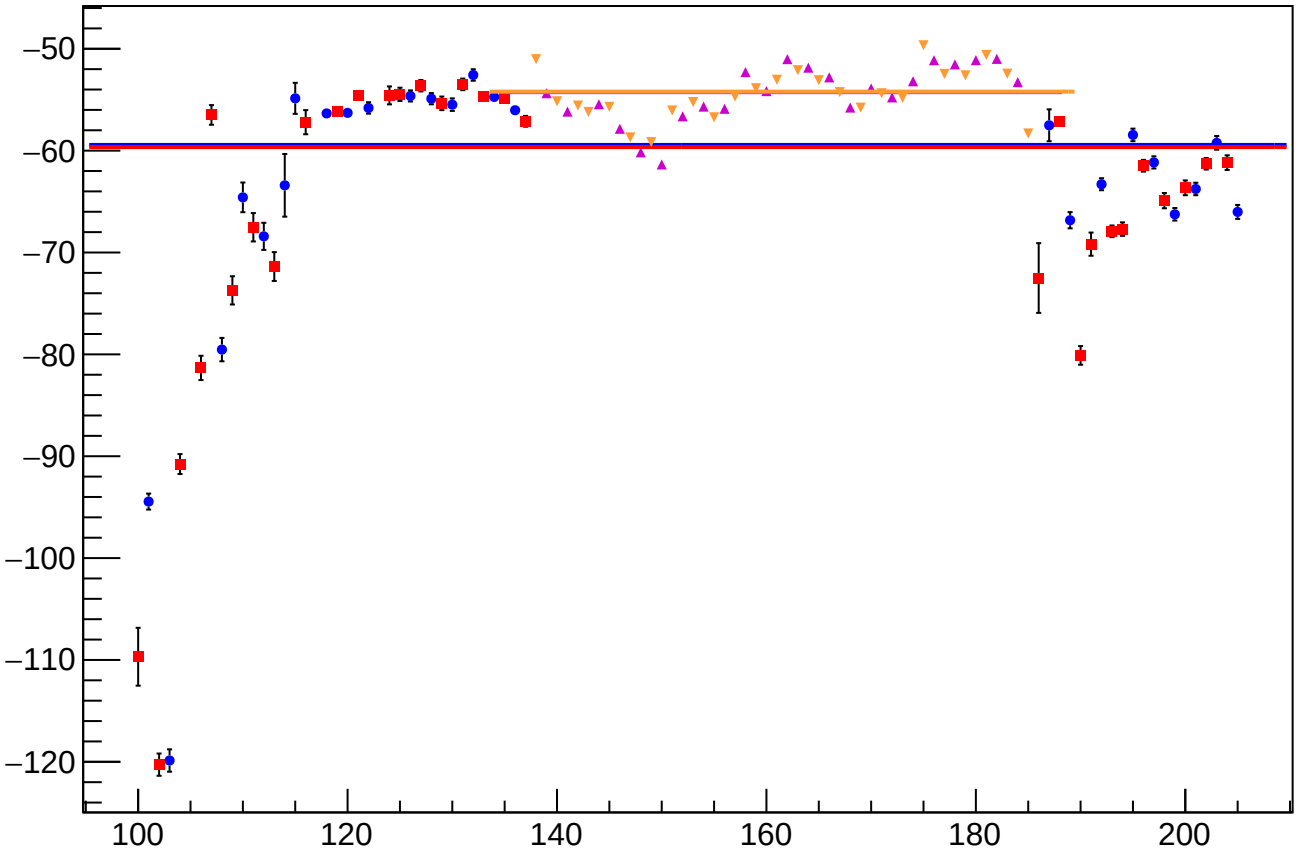
Left: -9.580+/-0.050 χ^2/NDF: 6314.6/47

Right: -5.305+/-0.077 χ^2/NDF: 3574.1/54

In: -8.025+/-0.060 χ^2/NDF:5372.4/47

Out: -8.613+/-0.059 χ^2/NDF:6621.3/54

All: -8.326+/-0.042 χ^2/NDF: 12042.9/102



Right In: -59.439+/-0.116 χ^2/NDF: 6614.9/24

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.653+/-0.115 χ^2/NDF: 7043.2/29

Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

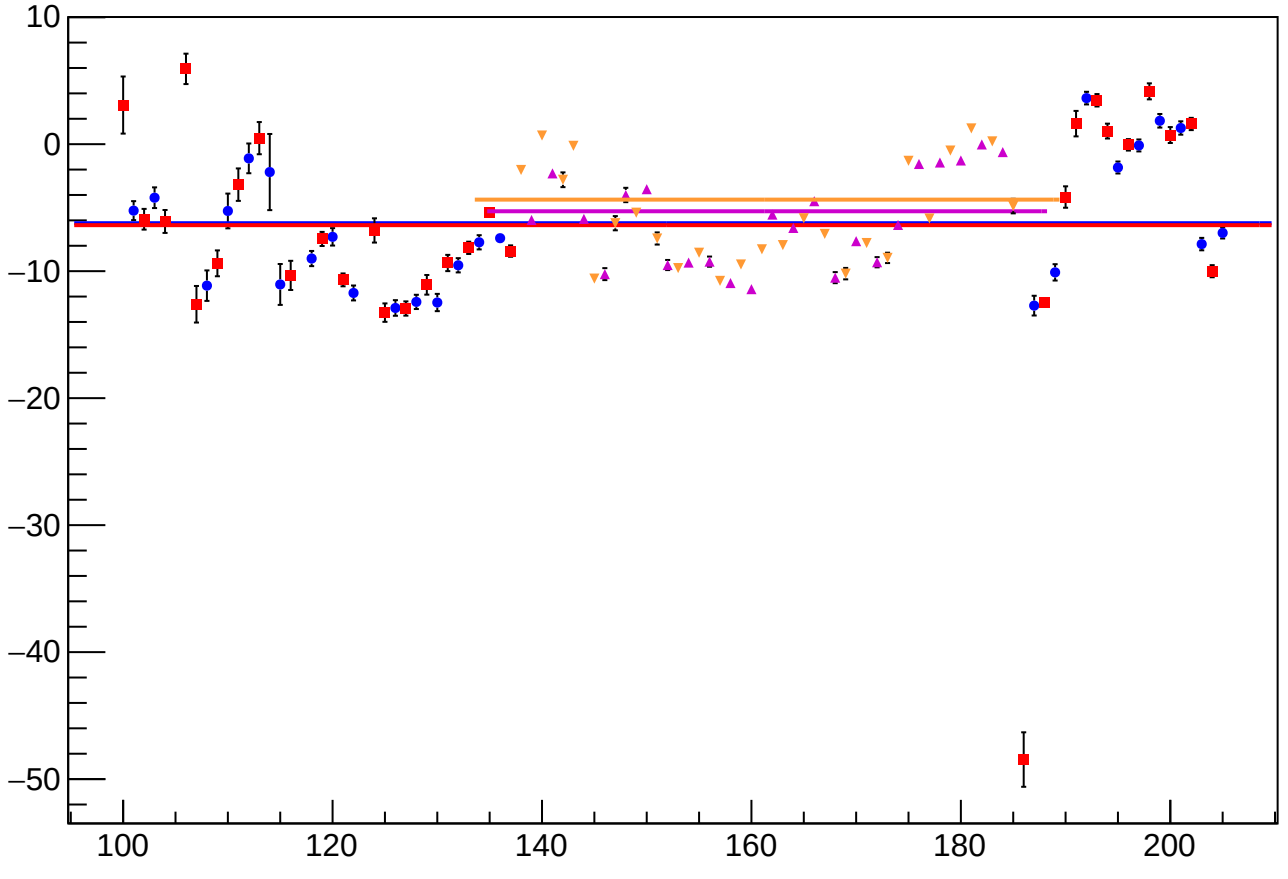
Left: -54.230+/-0.040 χ^2/NDF: 4347.9/47

Right: -59.547+/-0.082 χ^2/NDF: 13659.9/54

In: -55.303+/-0.052 χ^2/NDF:10698.4/47

Out: -55.245+/-0.050 χ^2/NDF:10716.5/54

All: -55.273+/-0.036 χ^2/NDF: 21415.5/102



Right In: -6.224+/-0.111 χ^2/NDF: 1757.0/24

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.377+/-0.108 χ^2/NDF: 3099.4/29

Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

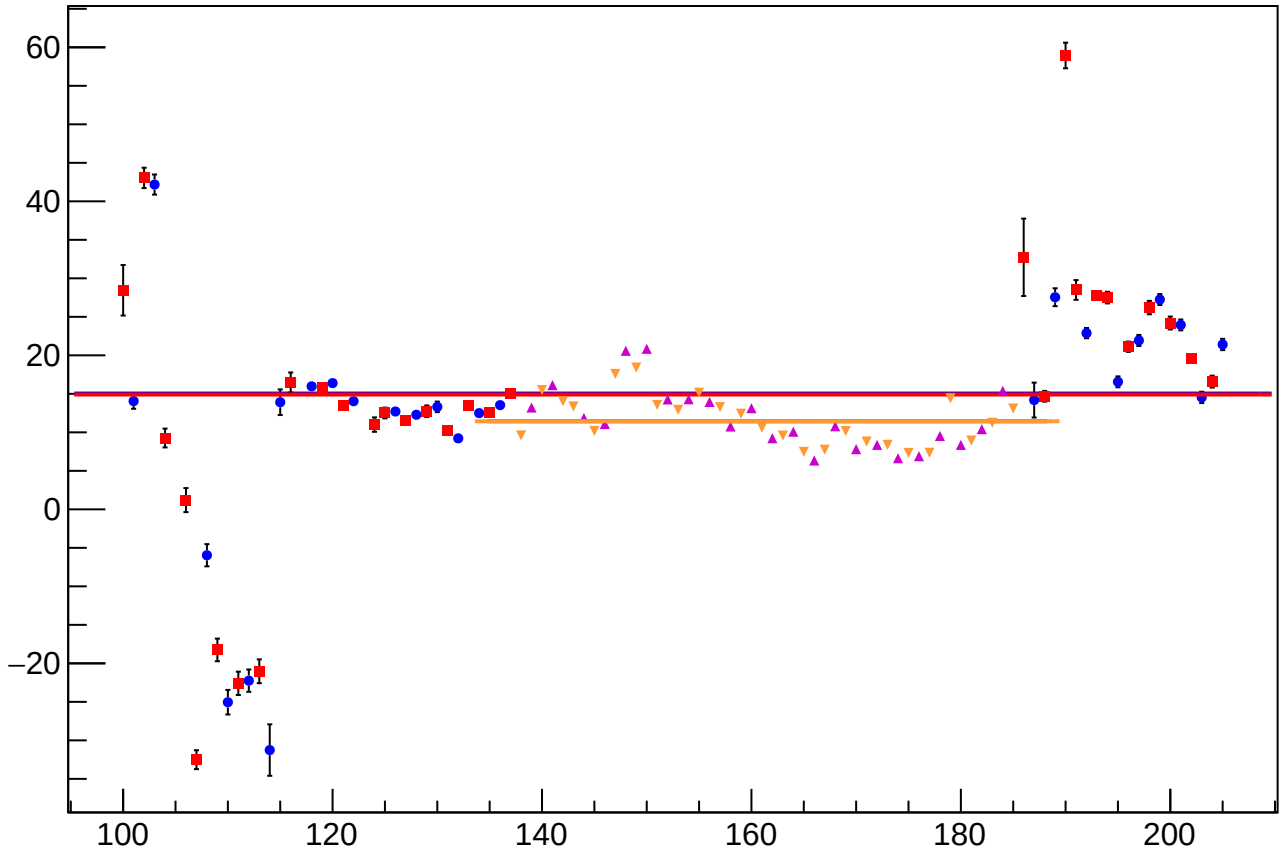
Left: -4.813+/-0.050 χ^2/NDF: 6536.9/47

Right: -6.302+/-0.077 χ^2/NDF: 4857.3/54

In: -5.557+/-0.060 χ^2/NDF:4558.1/47

Out: -4.952+/-0.058 χ^2/NDF:7046.3/54

All: -5.246+/-0.042 χ^2/NDF: 11656.9/102



Right In: 15.036+/-0.130 χ^2/NDF: 3225.2/24

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 14.912+/-0.131 χ^2/NDF: 5865.7/29

Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

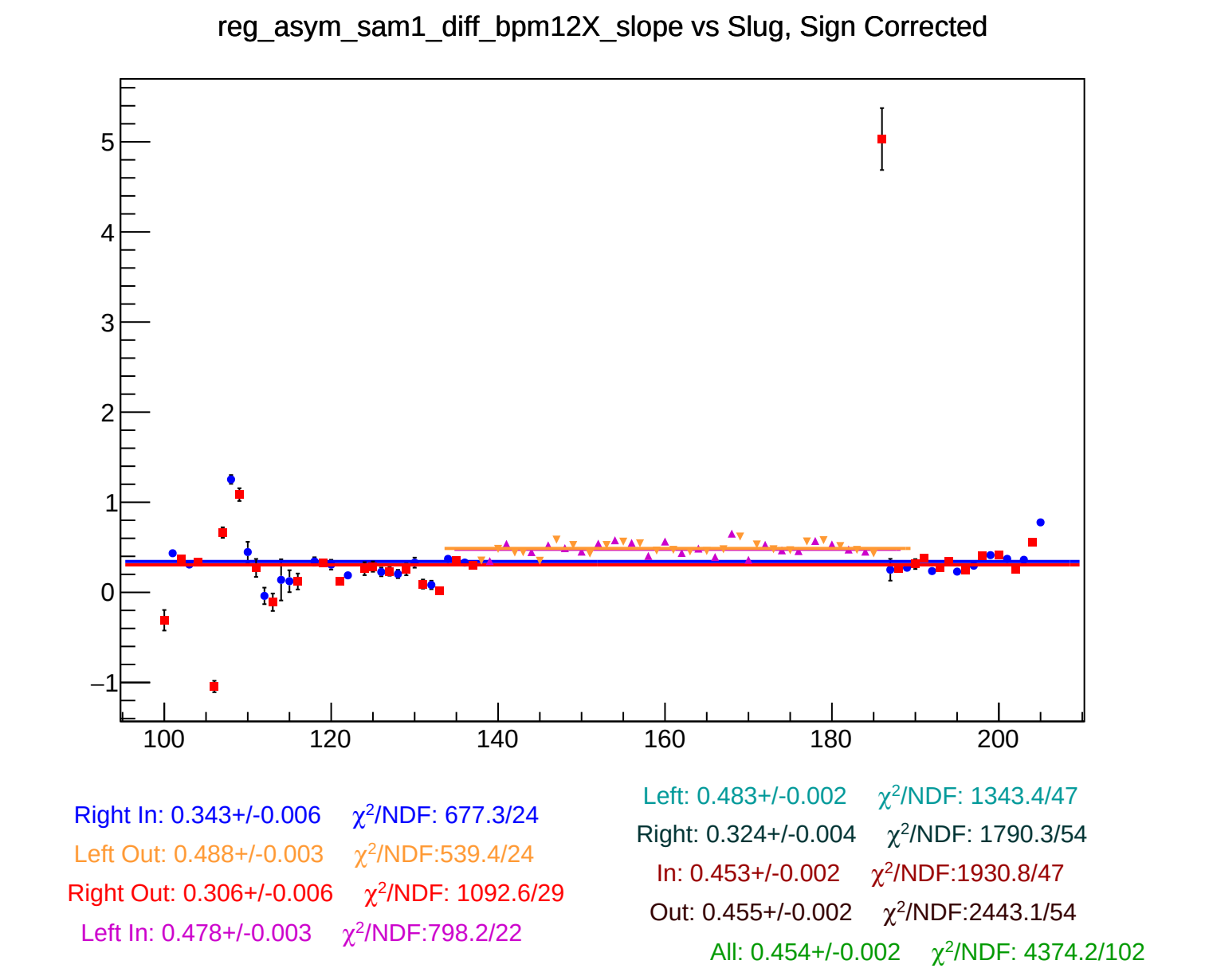
Left: 11.439+/-0.045 χ^2/NDF: 5794.1/47

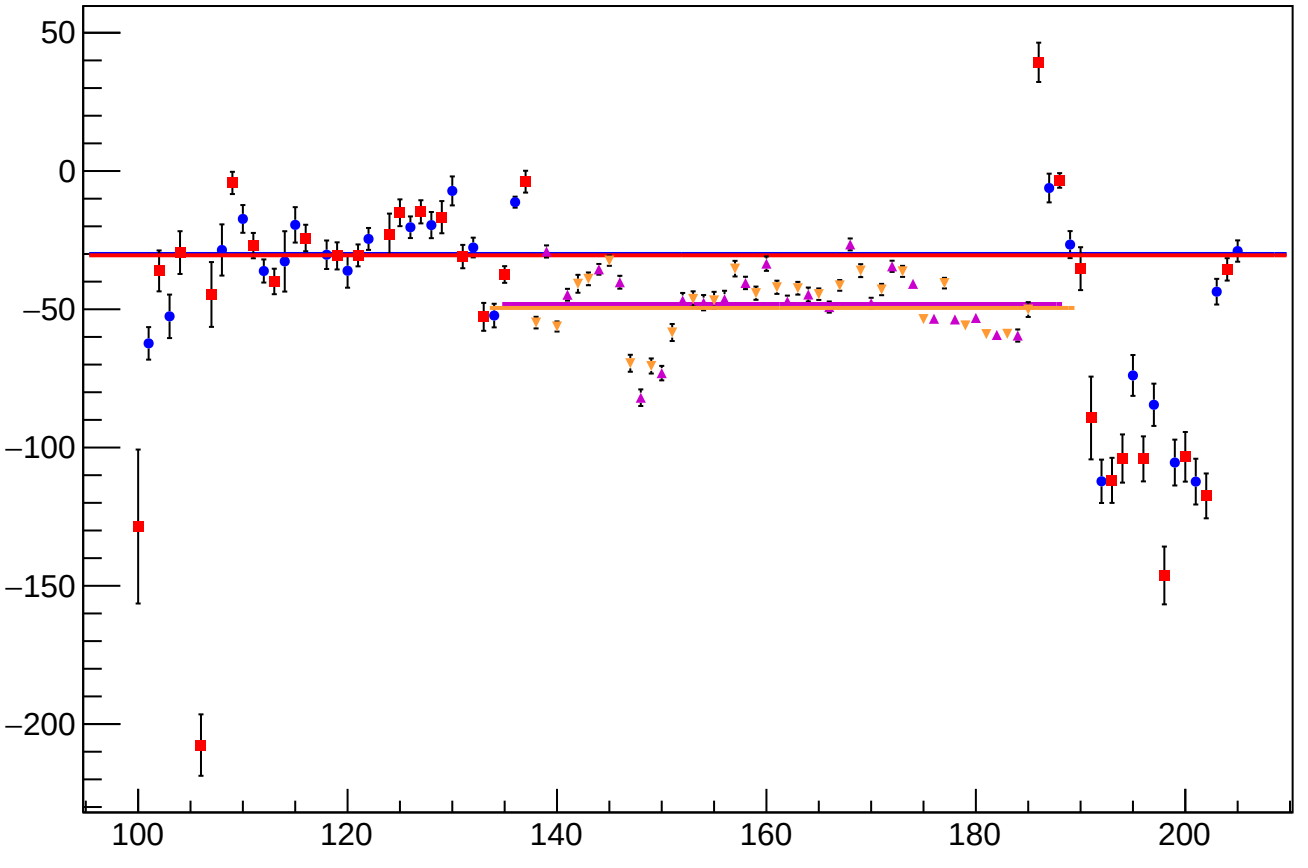
Right: 14.975+/-0.092 χ^2/NDF: 9091.4/54

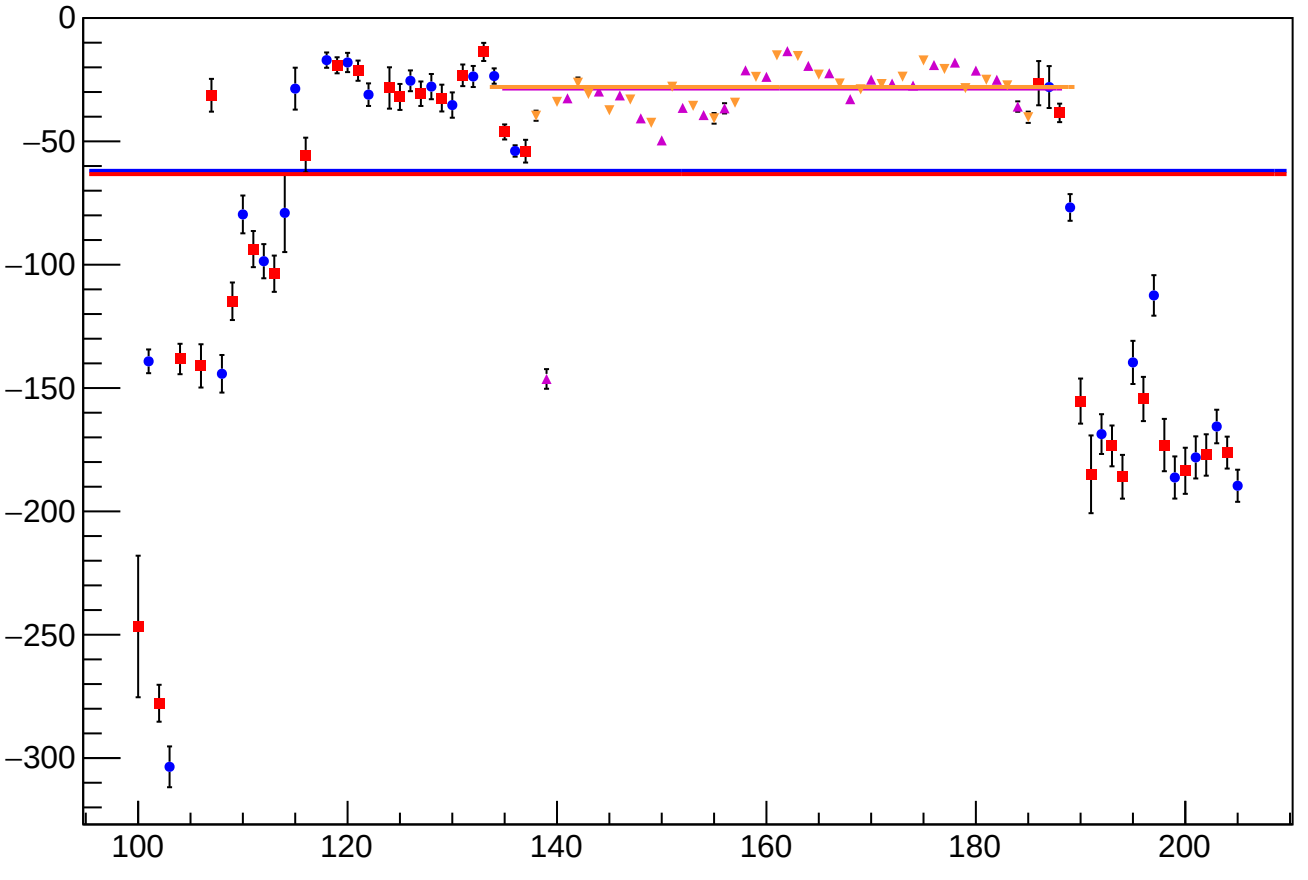
In: 12.145+/-0.058 χ^2/NDF:7198.0/47

Out: 12.070+/-0.056 χ^2/NDF:8872.9/54

All: 12.107+/-0.040 χ^2/NDF: 16071.7/102


reg_asym_sam1_diff_bpm12X_slope vs Slug, Sign Corrected
5
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.343+/-0.006 χ²/NDF: 677.3/24
Left Out: 0.488+/-0.003 χ²/NDF:539.4/24
Right Out: 0.306+/-0.006 χ²/NDF: 1092.6/29
Left In: 0.478+/-0.003 χ²/NDF:798.2/22
Left: 0.483+/-0.002 χ²/NDF: 1343.4/47
Right: 0.324+/-0.004 χ²/NDF: 1790.3/54
In: 0.453+/-0.002 χ²/NDF:1930.8/47
Out: 0.455+/-0.002 χ²/NDF:2443.1/54
All: 0.454+/-0.002 χ²/NDF: 4374.2/102


reg_asym_sam2_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -29.999+/-0.945 χ²/NDF: 607.4/24
Left Out: -49.516+/-0.402 χ²/NDF:576.3/24
Right Out: -30.474+/-0.954 χ²/NDF: 1193.6/29
Left In: -48.087+/-0.418 χ²/NDF:706.2/22
Left: -48.829+/-0.290 χ²/NDF: 1288.6/47
Right: -30.234+/-0.671 χ²/NDF: 1801.1/54
In: -45.119+/-0.383 χ²/NDF:1620.1/47
Out: -46.640+/-0.371 χ²/NDF:2108.1/54
All: -45.904+/-0.266 χ²/NDF: 3736.3/102



Right In: -61.956+/-1.006 χ^2/NDF: 3376.8/24

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -63.279+/-1.046 χ^2/NDF: 3379.1/29

Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

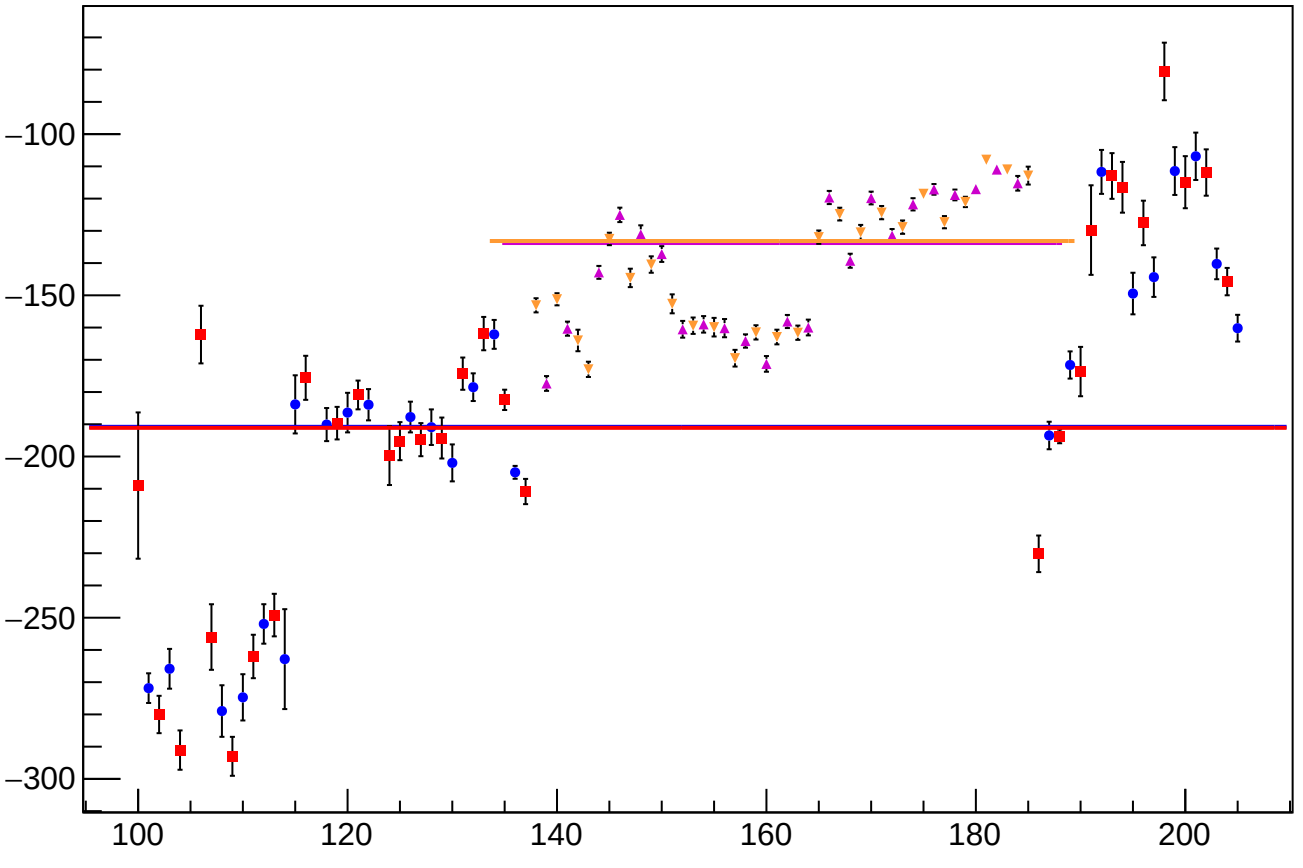
Left: -28.263+/-0.231 χ^2/NDF: 1980.2/47

Right: -62.591+/-0.725 χ^2/NDF: 6756.7/54

In: -31.901+/-0.317 χ^2/NDF:5849.1/47

Out: -30.997+/-0.307 χ^2/NDF:4918.1/54

All: -31.435+/-0.220 χ^2/NDF: 10771.4/102



Right In: -190.791+/-0.979 χ^2/NDF: 1610.0/24

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -191.103+/-0.979 χ^2/NDF: 1964.9/29

Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

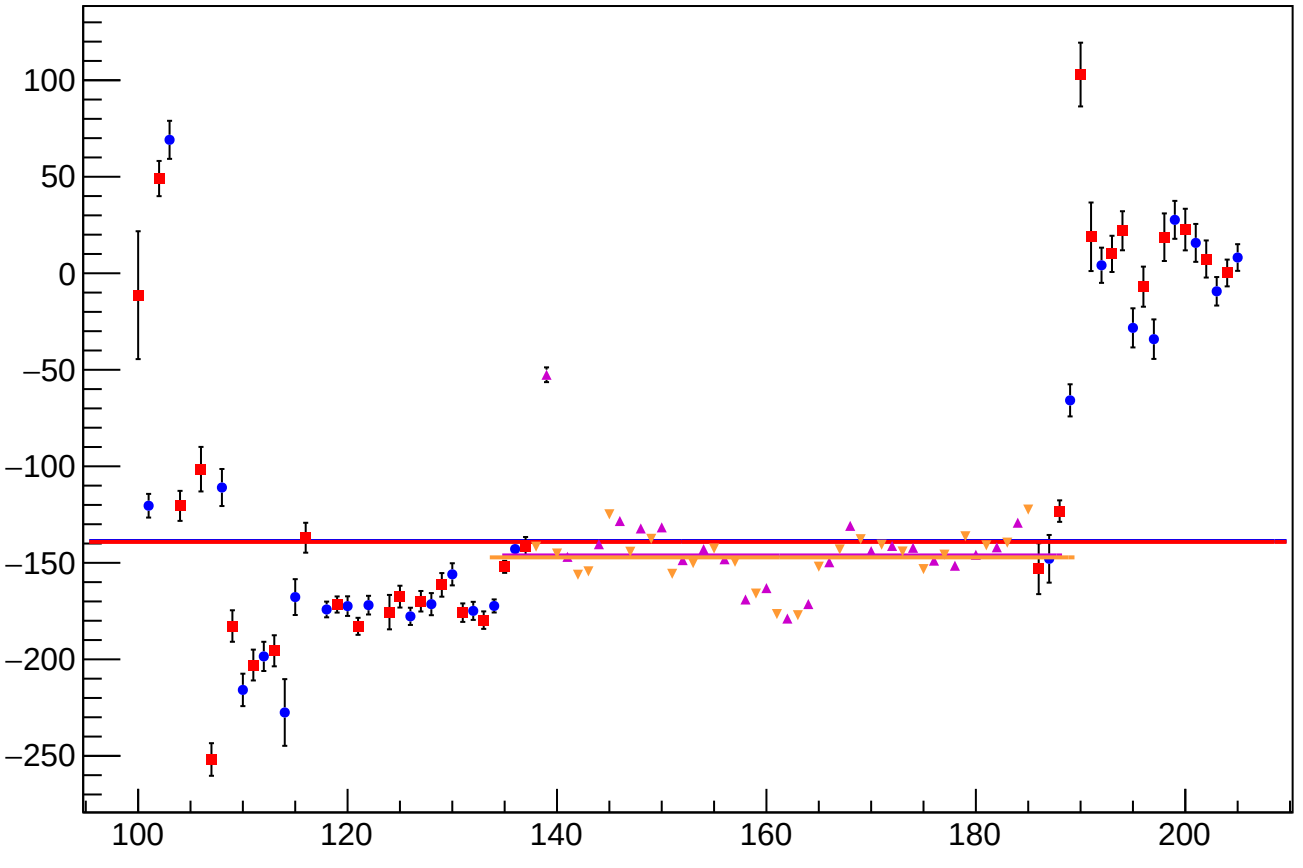
Left: -133.455+/-0.290 χ^2/NDF: 4972.5/47

Right: -190.947+/-0.692 χ^2/NDF: 3574.9/54

In: -142.525+/-0.384 χ^2/NDF:6919.2/47

Out: -141.555+/-0.373 χ^2/NDF:7493.9/54

All: -142.026+/-0.267 χ^2/NDF: 14416.4/102



Right In: -138.690+/-1.134 χ^2/NDF: 2930.0/24

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -139.162+/-1.202 χ^2/NDF: 3177.8/29

Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

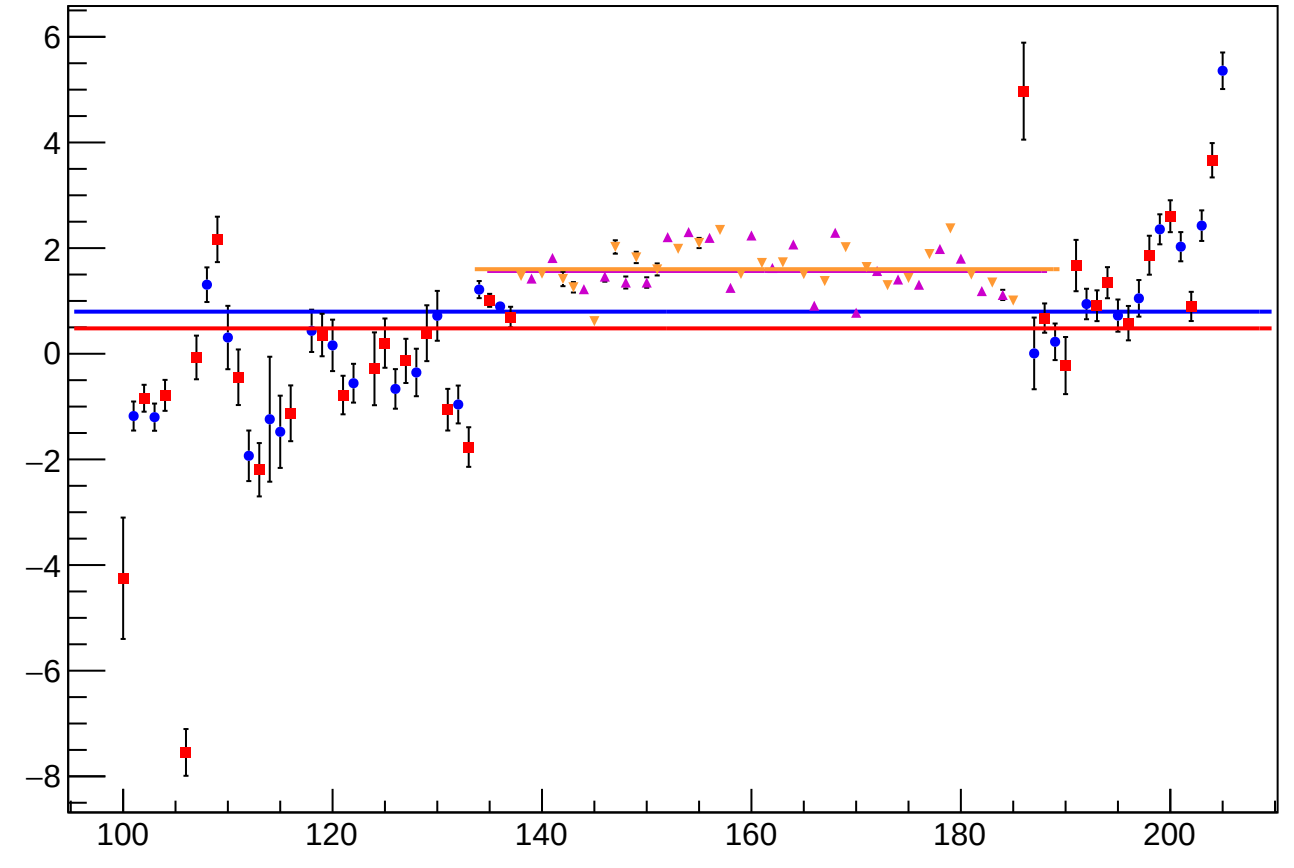
Left: -146.687+/-0.258 χ^2/NDF: 3043.1/47

Right: -138.913+/-0.825 χ^2/NDF: 6107.9/54

In: -145.451+/-0.352 χ^2/NDF:4763.1/47

Out: -146.514+/-0.343 χ^2/NDF:4464.1/54

All: -145.996+/-0.246 χ^2/NDF: 9232.0/102



Right In: 0.797+/-0.055 χ^2/NDF: 491.4/24

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.480+/-0.059 χ^2/NDF: 740.5/29

Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

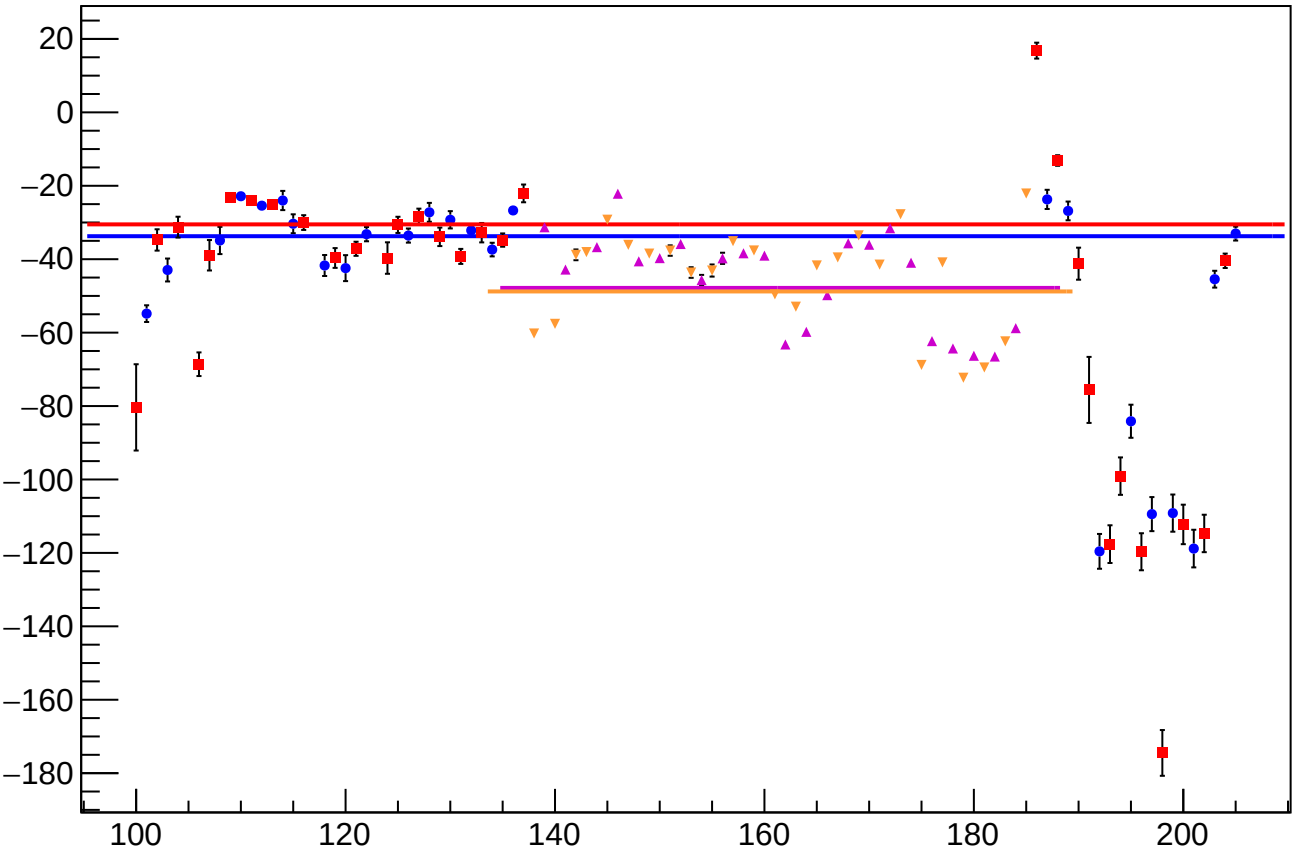
Left: 1.585+/-0.011 χ^2/NDF: 1319.1/47

Right: 0.649+/-0.040 χ^2/NDF: 1247.2/54

In: 1.505+/-0.016 χ^2/NDF:1404.0/47

Out: 1.524+/-0.015 χ^2/NDF:1657.7/54

All: 1.515+/-0.011 χ^2/NDF: 3062.5/102



Right In: -33.735+/-0.424 χ^2/NDF: 1571.0/24

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -30.513+/-0.403 χ^2/NDF: 2831.1/29

Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

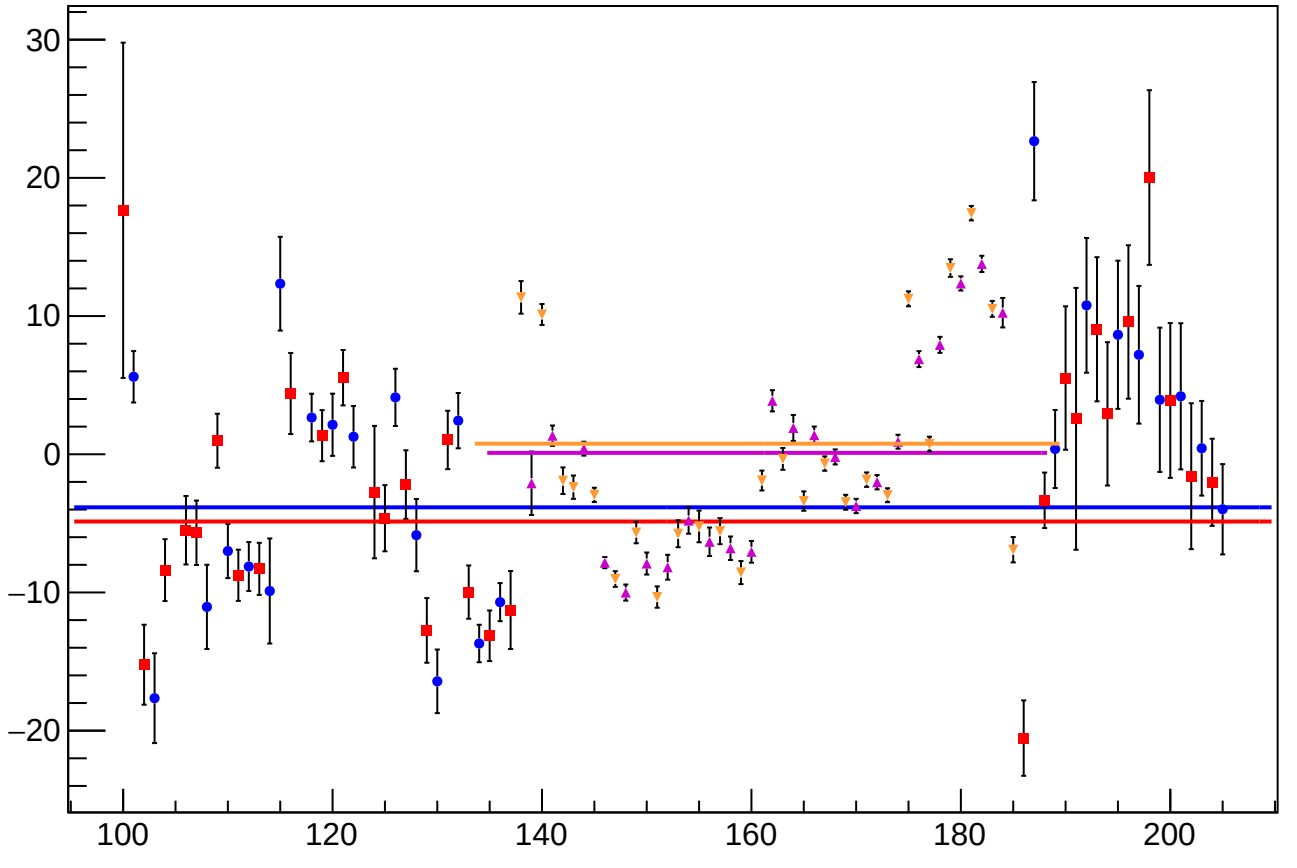
Left: -48.311+/-0.119 χ^2/NDF: 16193.1/47

Right: -32.040+/-0.292 χ^2/NDF: 4432.4/54

In: -45.874+/-0.158 χ^2/NDF:9743.7/47

Out: -46.110+/-0.154 χ^2/NDF:13541.0/54

All: -45.995+/-0.110 χ^2/NDF: 23285.9/102



Right In: -3.839+/-0.477 χ^2/NDF: 308.3/24

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.867+/-0.478 χ^2/NDF: 210.4/29

Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

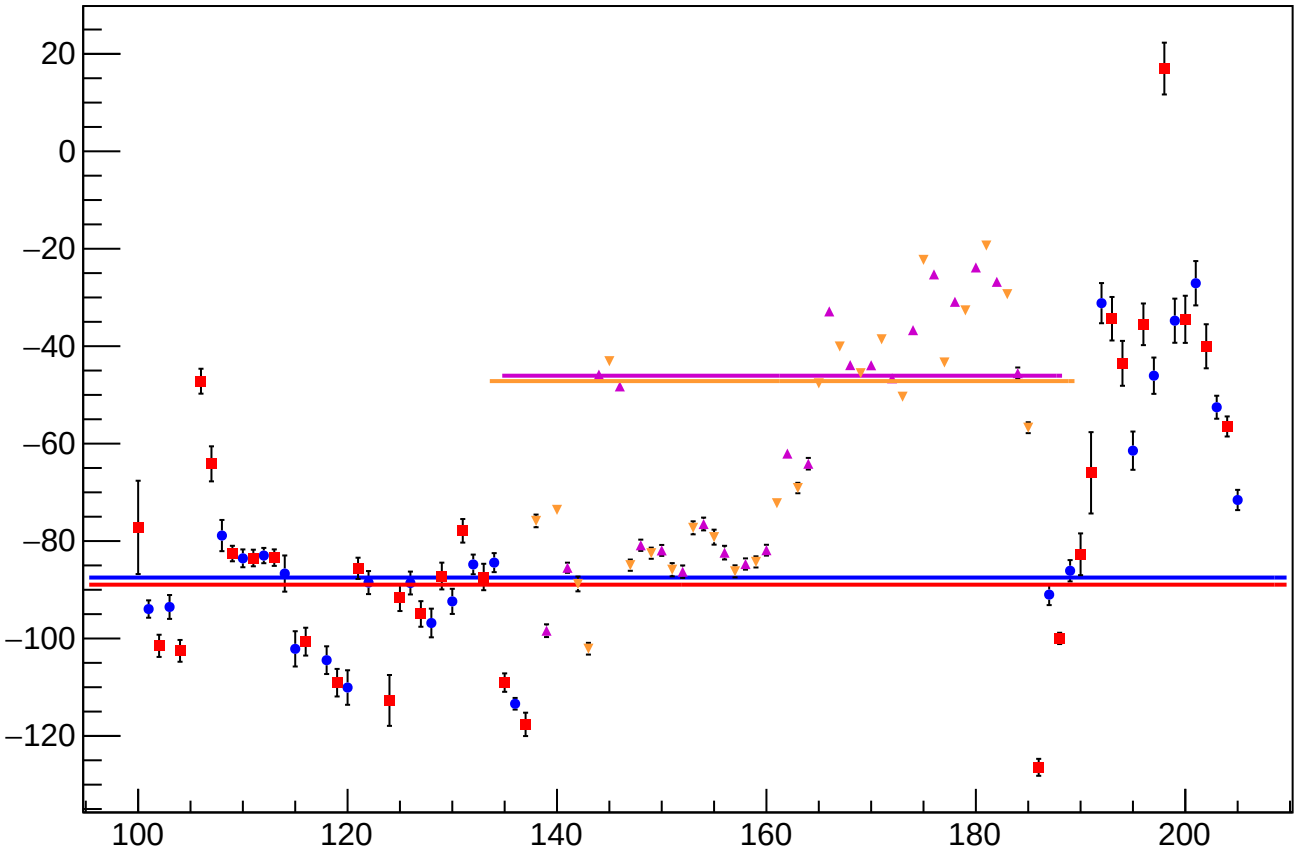
Left: 0.435+/-0.094 χ^2/NDF: 6201.6/47

Right: -4.351+/-0.338 χ^2/NDF: 521.1/54

In: -0.183+/-0.128 χ^2/NDF:3093.5/47

Out: 0.365+/-0.128 χ^2/NDF:3806.7/54

All: 0.092+/-0.090 χ^2/NDF: 6909.3/102



Right In: -87.490+/-0.466 χ^2/NDF: 1566.3/24

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -88.952+/-0.445 χ^2/NDF: 2651.1/29

Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

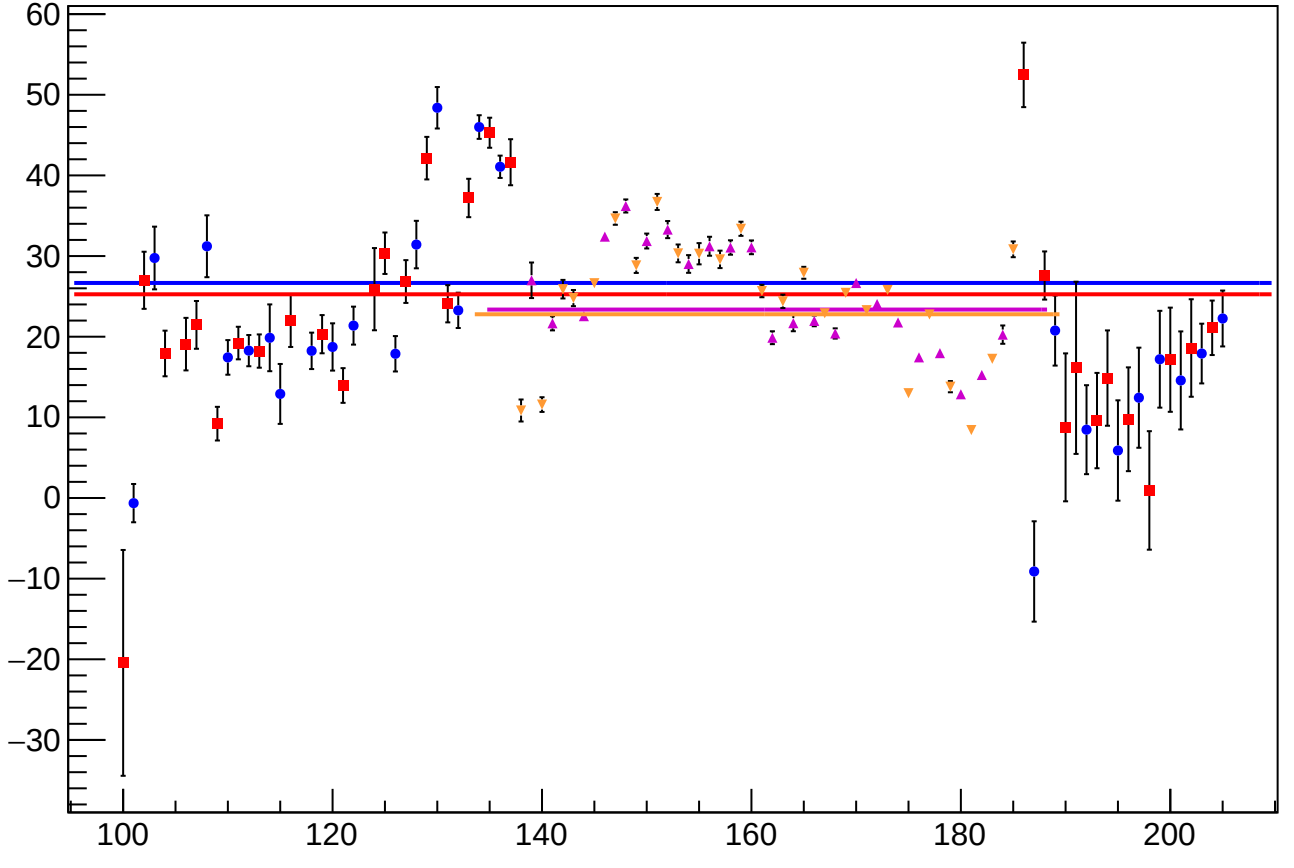
Left: -46.621+/-0.119 χ^2/NDF: 32449.9/47

Right: -88.255+/-0.322 χ^2/NDF: 4222.5/54

In: -50.925+/-0.160 χ^2/NDF:23299.9/47

Out: -52.356+/-0.157 χ^2/NDF:28033.3/54

All: -51.654+/-0.112 χ^2/NDF: 51374.1/102



Right In: 26.665+/-0.537 χ^2/NDF: 665.0/24

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.259+/-0.550 χ^2/NDF: 436.8/29

Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

Left: 23.071+/-0.105 χ^2/NDF: 4206.1/47

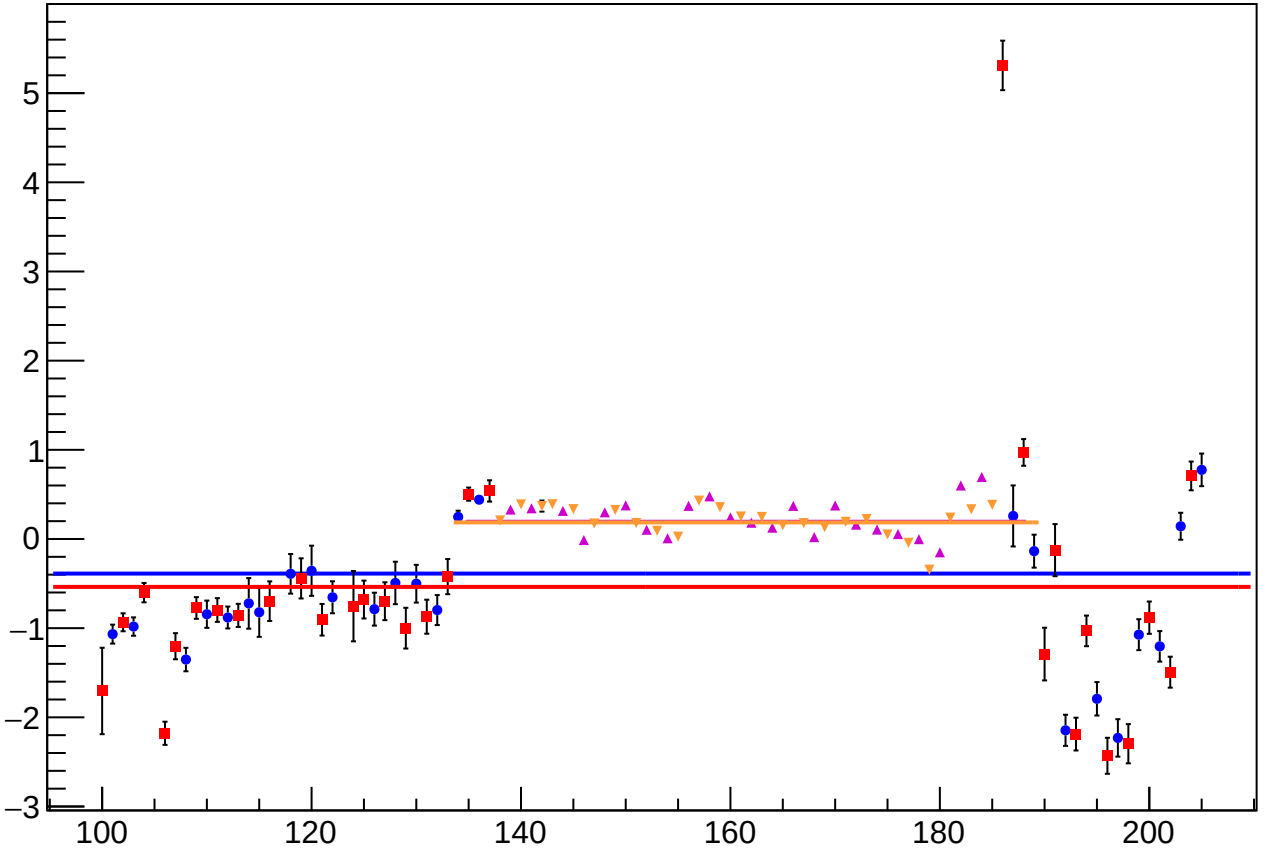
Right: 25.979+/-0.384 χ^2/NDF: 1105.2/54

In: 23.601+/-0.143 χ^2/NDF:2485.4/47

Out: 22.948+/-0.142 χ^2/NDF:2868.7/54

All: 23.272+/-0.101 χ^2/NDF: 5364.6/102

reg_asym_sam3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.388+/-0.027 χ^2/NDF: 799.9/24

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.537+/-0.029 χ^2/NDF: 1398.6/29

Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

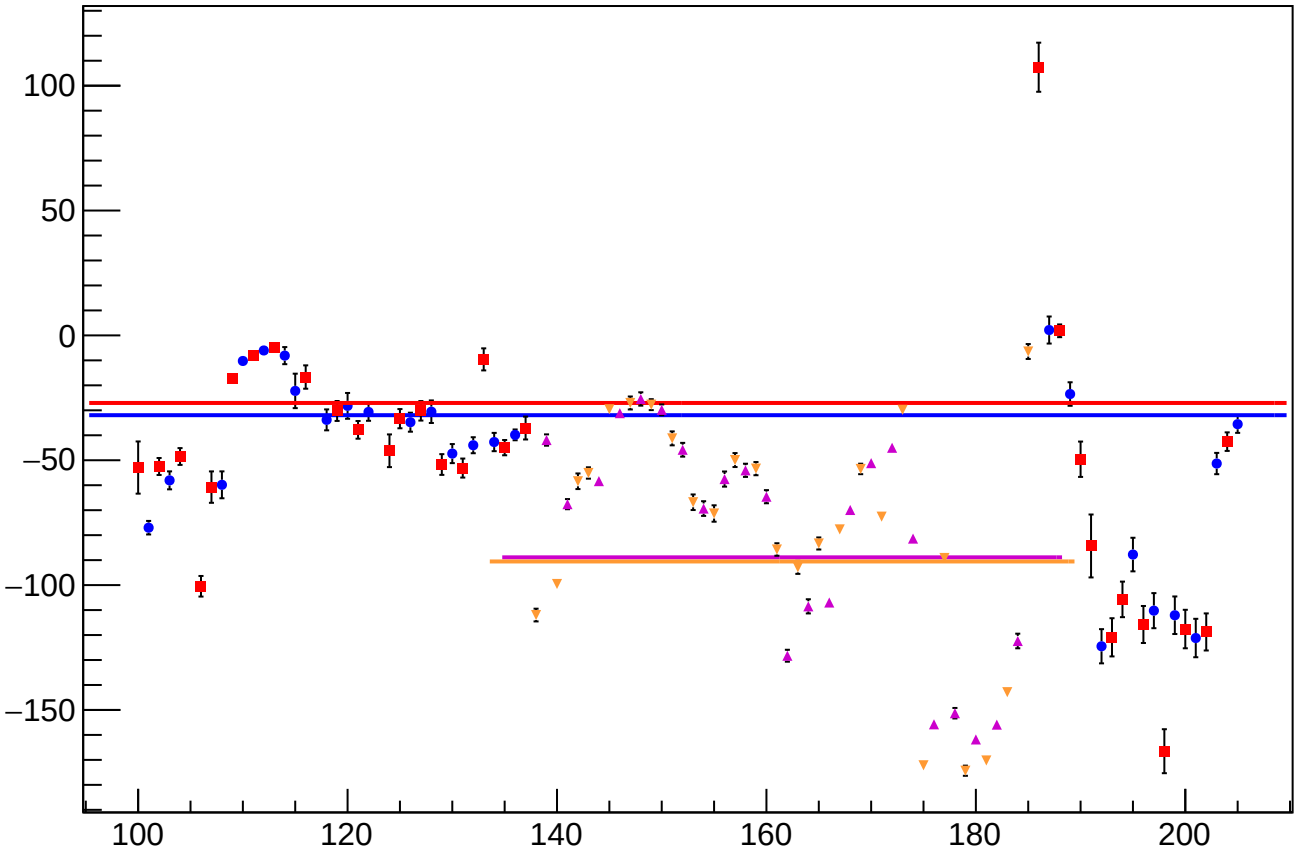
Left: 0.190+/-0.005 χ^2/NDF: 1584.4/47

Right: -0.459+/-0.020 χ^2/NDF: 2212.6/54

In: 0.161+/-0.006 χ^2/NDF:2161.4/47

Out: 0.150+/-0.006 χ^2/NDF:2649.9/54

All: 0.155+/-0.005 χ^2/NDF: 4812.6/102



Right In: -31.955+/-0.674 χ^2/NDF: 1612.8/24

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.059+/-0.615 χ^2/NDF: 2325.5/29

Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

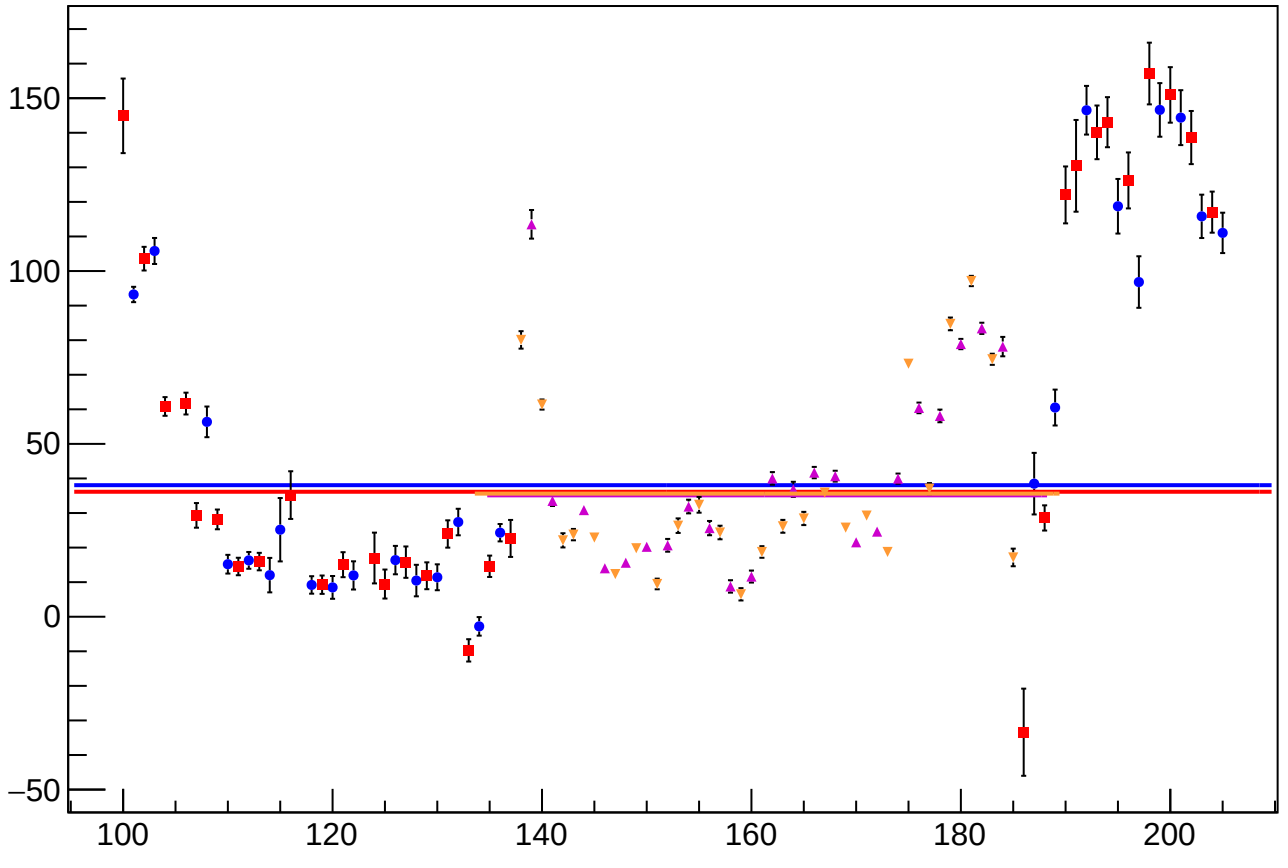
Left: -89.736+/-0.302 χ^2/NDF: 27181.7/47

Right: -29.286+/-0.454 χ^2/NDF: 3967.1/54

In: -72.159+/-0.365 χ^2/NDF:18473.1/47

Out: -70.274+/-0.348 χ^2/NDF:24929.9/54

All: -71.171+/-0.252 χ^2/NDF: 43417.0/102



Right In: 38.054+/-0.761 χ^2/NDF: 2883.0/24

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 36.154+/-0.745 χ^2/NDF: 2762.5/29

Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

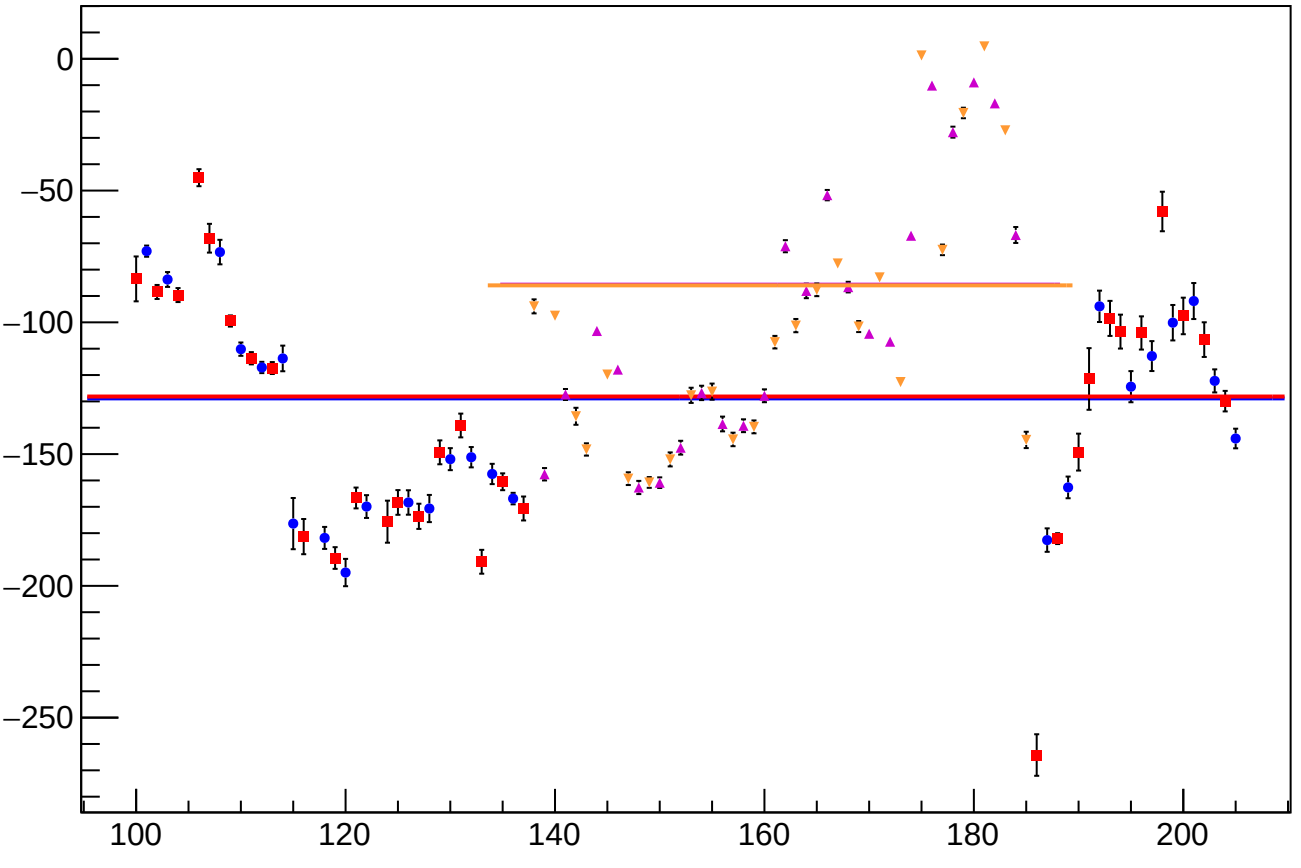
Left: 35.370+/-0.234 χ^2/NDF: 10118.6/47

Right: 37.084+/-0.533 χ^2/NDF: 5648.7/54

In: 35.592+/-0.308 χ^2/NDF:7040.0/47

Out: 35.699+/-0.298 χ^2/NDF:8735.9/54

All: 35.647+/-0.214 χ^2/NDF: 15776.0/102



Right In: -128.857+/-0.741 χ^2/NDF: 2504.9/24

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.154+/-0.698 χ^2/NDF: 3633.7/29

Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

Left: -85.841+/-0.302 χ^2/NDF: 29991.4/47

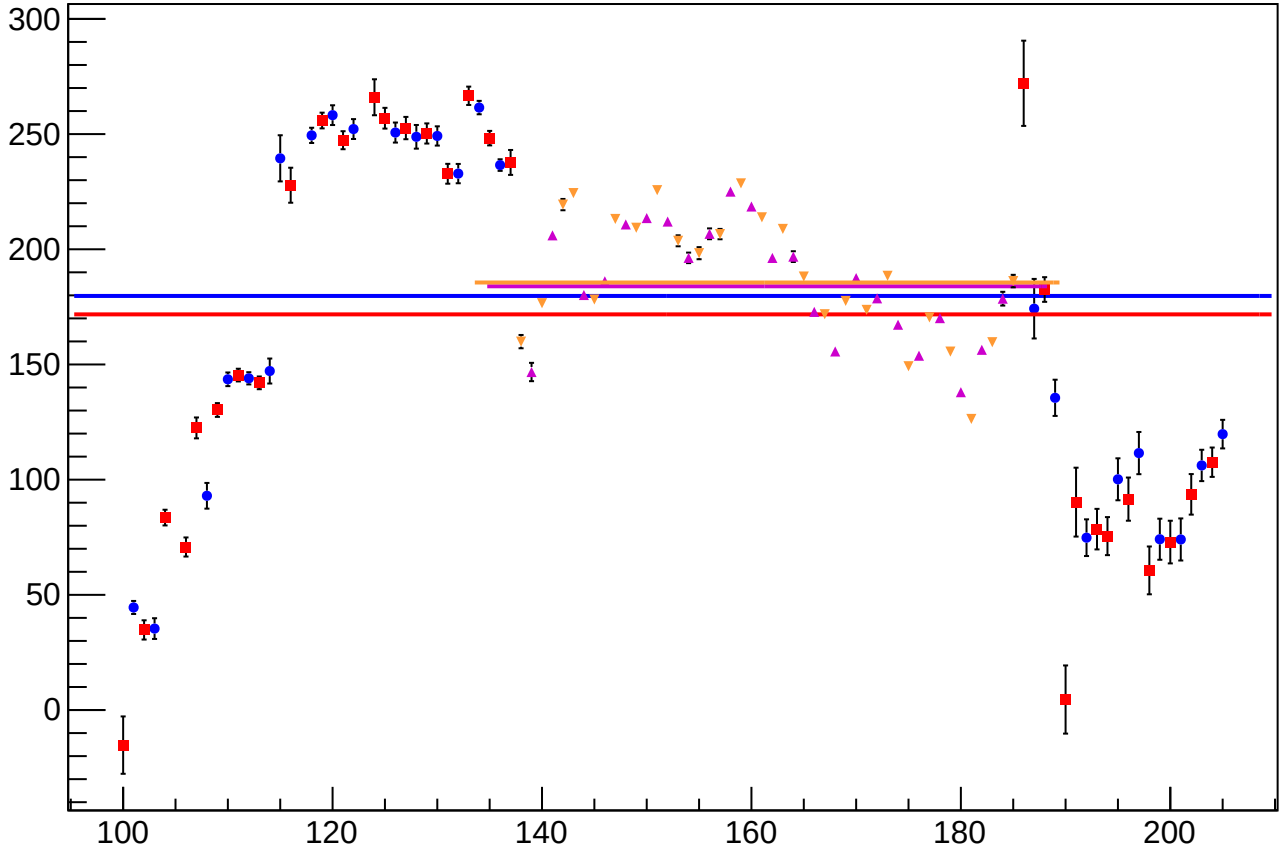
Right: -128.484+/-0.508 χ^2/NDF: 6139.1/54

In: -96.660+/-0.374 χ^2/NDF:18791.1/47

Out: -97.204+/-0.360 χ^2/NDF:22542.6/54

All: -96.942+/-0.259 χ^2/NDF: 41334.8/102

reg_asym_sam4_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 179.746+/-0.870 χ^2/NDF: 8023.5/24

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 171.746+/-0.858 χ^2/NDF: 7653.2/29

Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

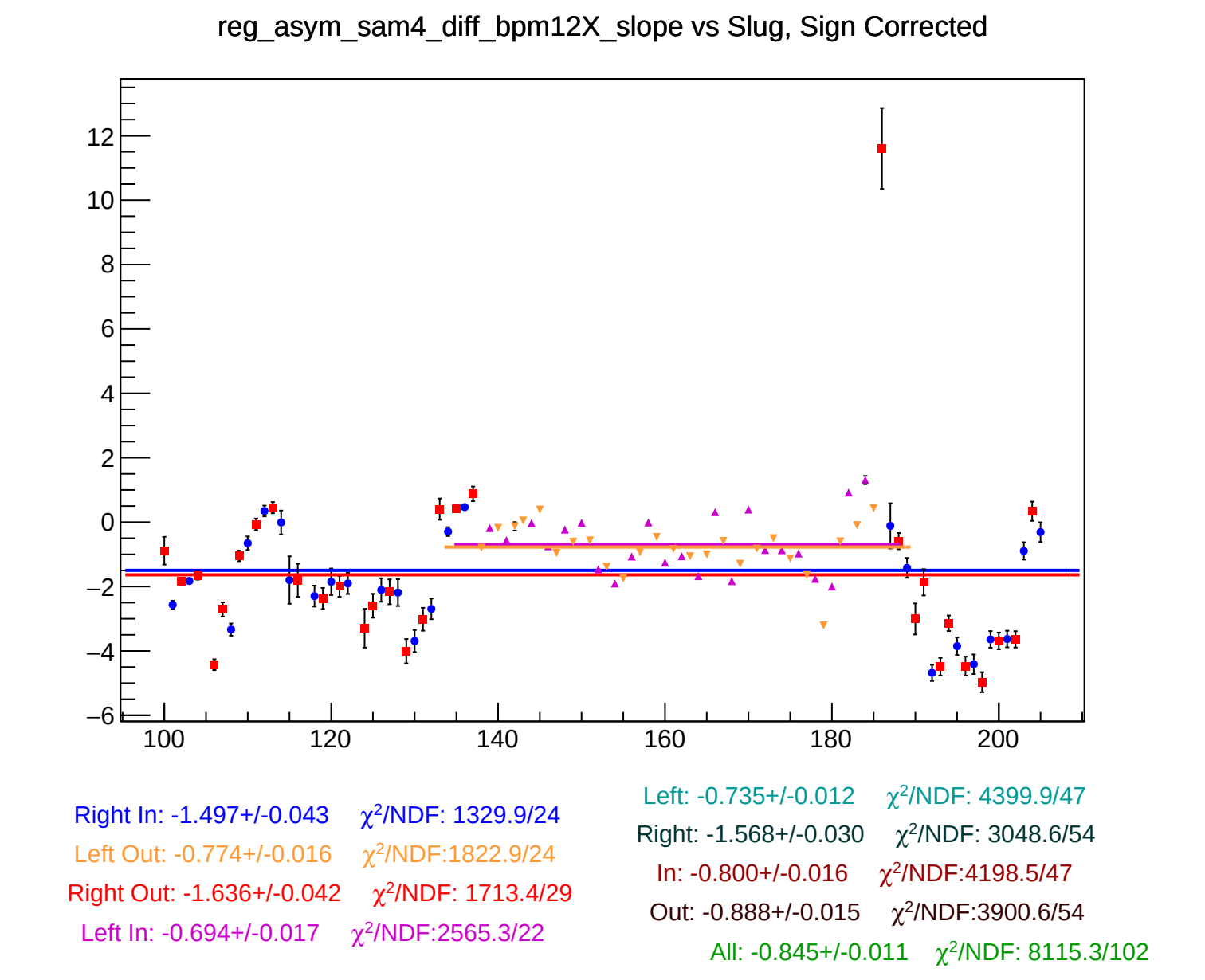
Left: 184.786+/-0.263 χ^2/NDF: 9238.0/47

Right: 175.691+/-0.611 χ^2/NDF: 15719.5/54

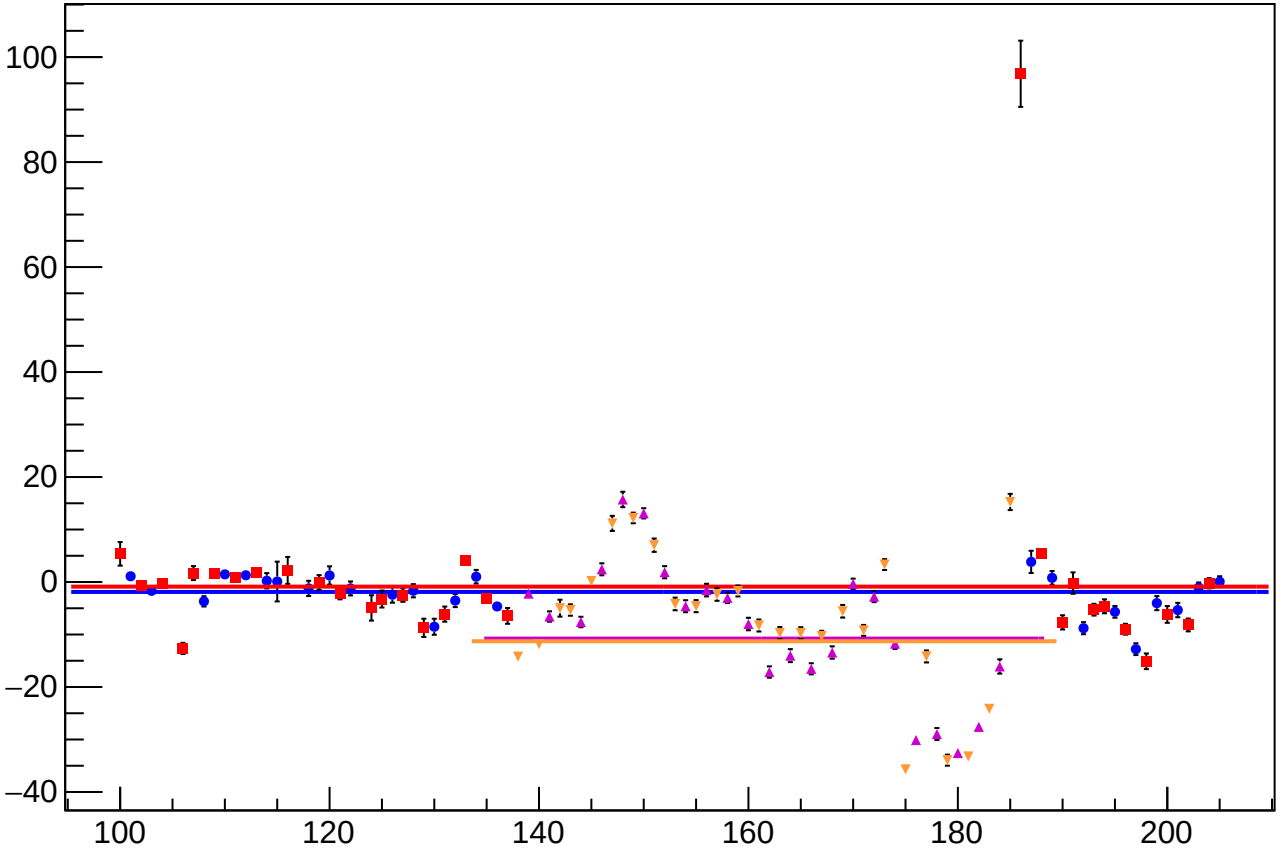
In: 183.275+/-0.346 χ^2/NDF:11916.5/47

Out: 183.447+/-0.337 χ^2/NDF:13227.6/54

All: 183.364+/-0.242 χ^2/NDF: 25144.3/102


reg_asym_sam4_diff_bpm12X_slope vs Slug, Sign Corrected
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -1.497+/-0.043 χ²/NDF: 1329.9/24
Left Out: -0.774+/-0.016 χ²/NDF:1822.9/24
Right Out: -1.636+/-0.042 χ²/NDF: 1713.4/29
Left In: -0.694+/-0.017 χ²/NDF:2565.3/22
Left: -0.735+/-0.012 χ²/NDF: 4399.9/47
Right: -1.568+/-0.030 χ²/NDF: 3048.6/54
In: -0.800+/-0.016 χ²/NDF:4198.5/47
Out: -0.888+/-0.015 χ²/NDF:3900.6/54
All: -0.845+/-0.011 χ²/NDF: 8115.3/102

reg_asym_sam5_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -1.888+/-0.214 χ^2/NDF: 283.1/24

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.878+/-0.188 χ^2/NDF: 881.8/29

Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

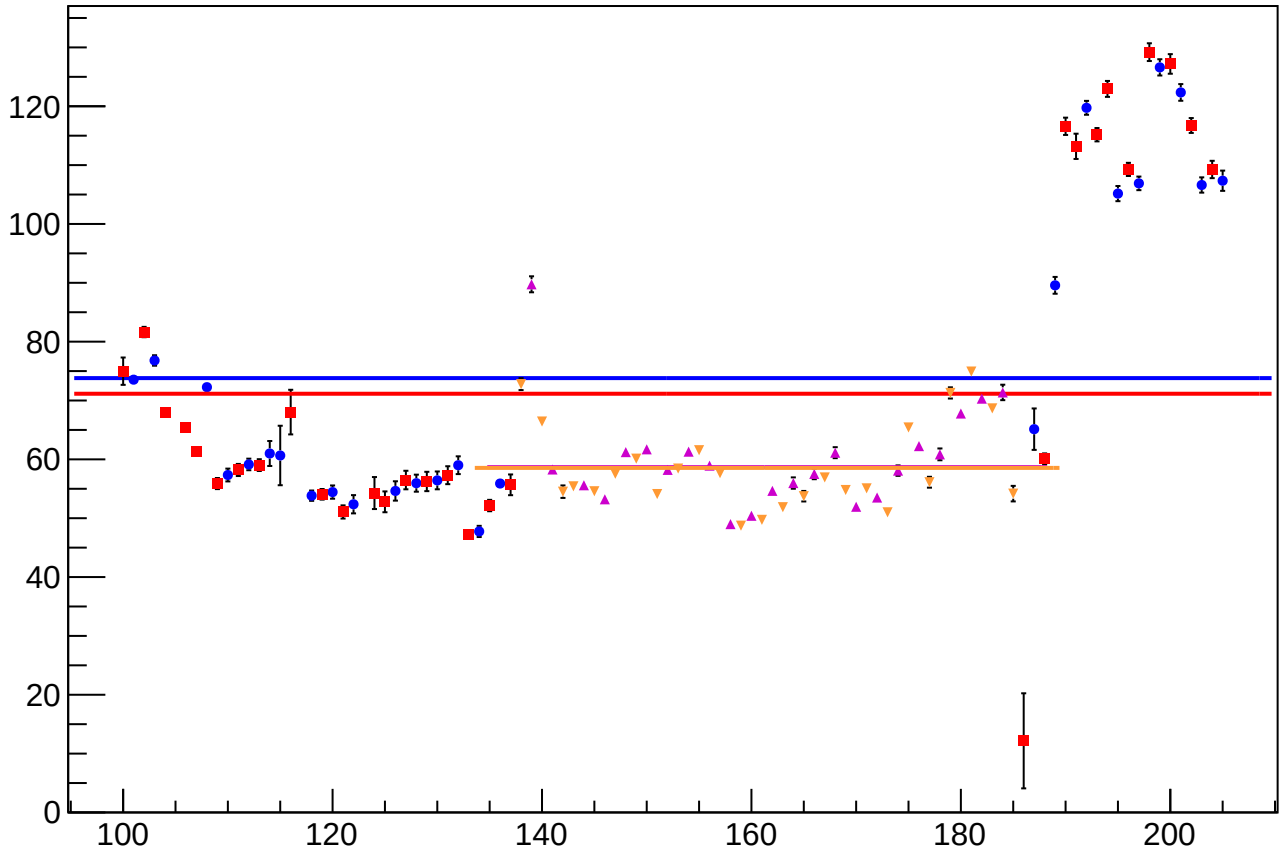
Left: -11.036+/-0.149 χ^2/NDF: 8202.4/47

Right: -1.318+/-0.141 χ^2/NDF: 1177.5/54

In: -6.347+/-0.151 χ^2/NDF:4846.9/47

Out: -5.557+/-0.139 χ^2/NDF:6759.6/54

All: -5.921+/-0.102 χ^2/NDF: 11621.2/102



Right In: 73.806+/-0.231 χ^2/NDF: 9957.5/24

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 71.150+/-0.210 χ^2/NDF: 14055.1/29

Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

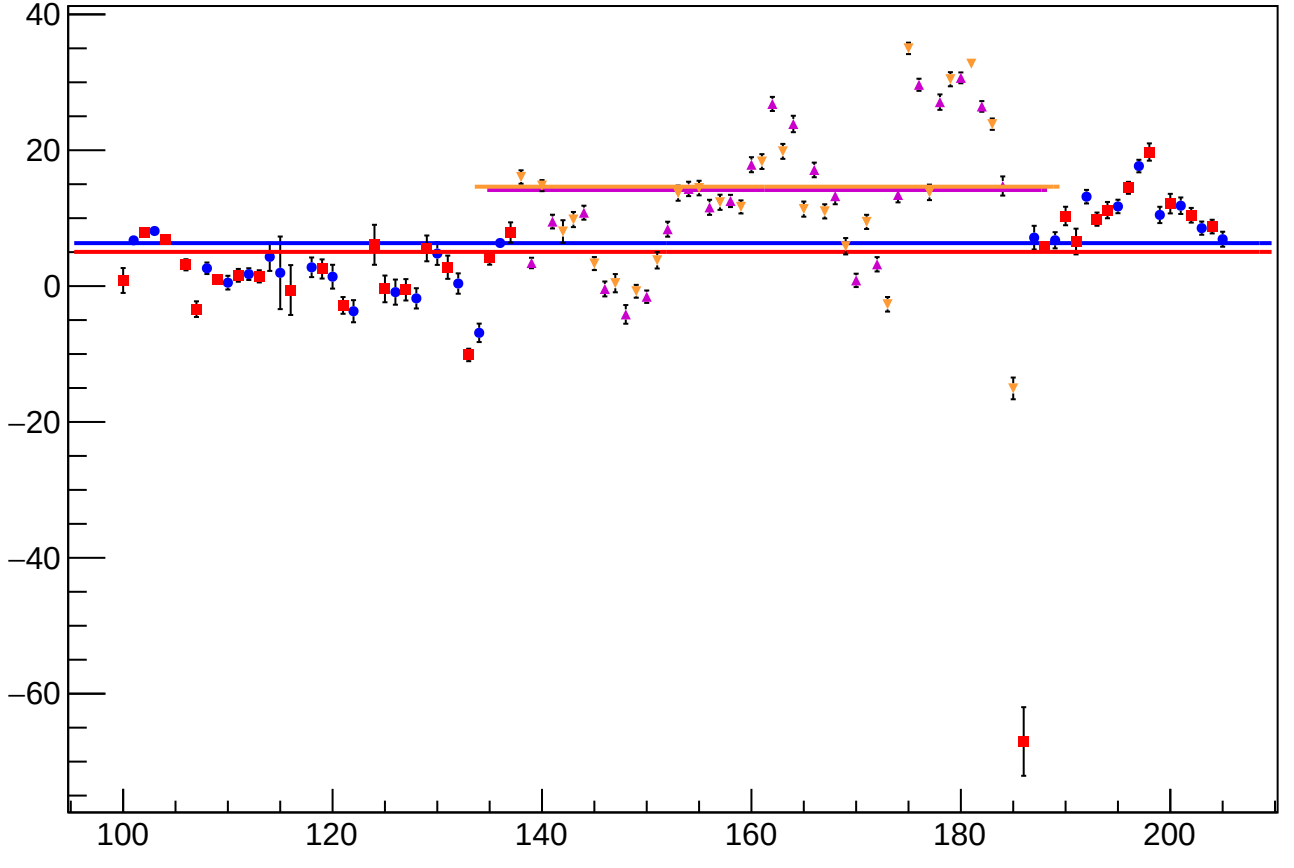
Left: 58.612+/-0.116 χ^2/NDF: 3516.3/47

Right: 72.354+/-0.155 χ^2/NDF: 24085.1/54

In: 63.937+/-0.136 χ^2/NDF:14376.7/47

Out: 63.220+/-0.128 χ^2/NDF:18223.1/54

All: 63.556+/-0.093 χ^2/NDF: 32614.5/102



Right In: 6.327+/-0.215 χ^2/NDF: 562.0/24

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.036+/-0.191 χ^2/NDF: 1082.4/29

Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

Left: 14.395+/-0.148 χ^2/NDF: 5506.0/47

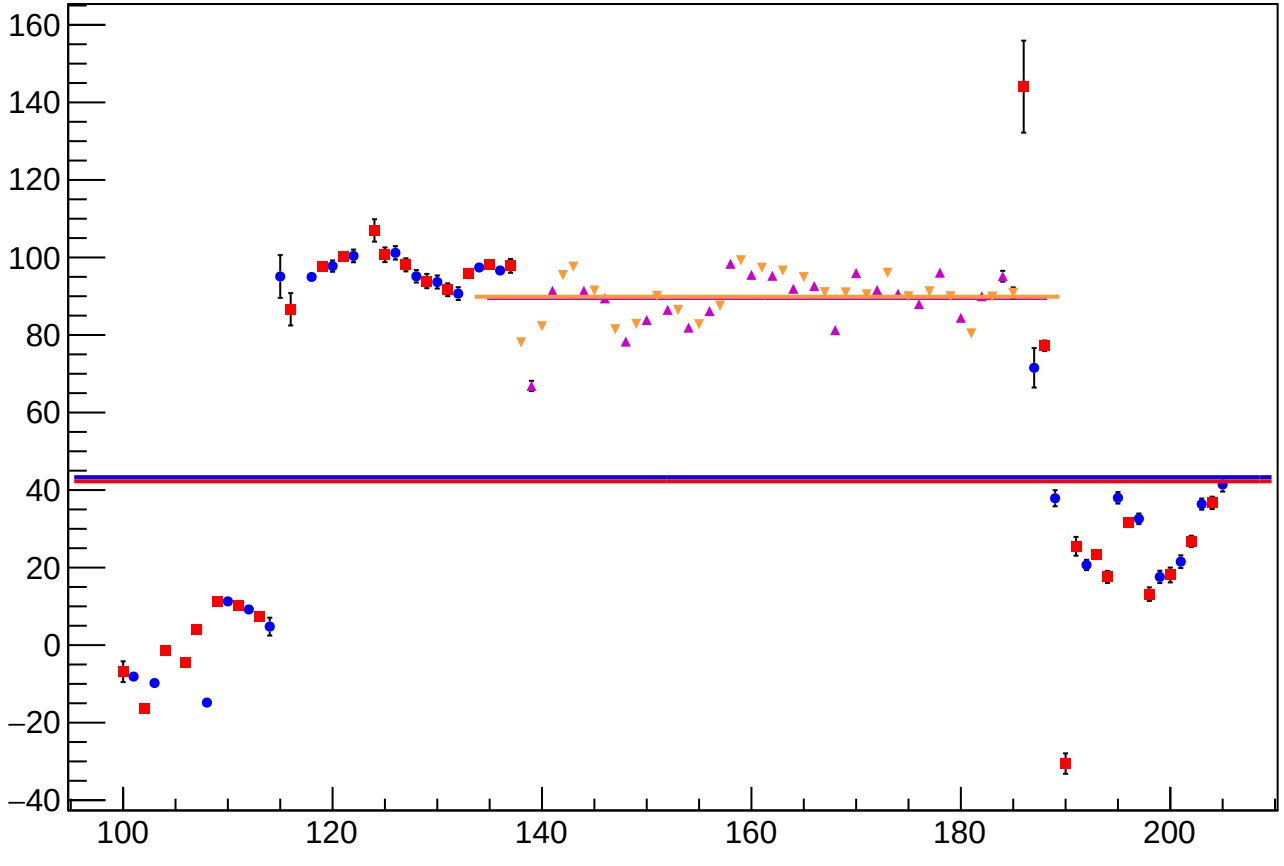
Right: 5.607+/-0.143 χ^2/NDF: 1664.5/54

In: 10.301+/-0.151 χ^2/NDF:3776.7/47

Out: 9.468+/-0.140 χ^2/NDF:5205.2/54

All: 9.855+/-0.103 χ^2/NDF: 8998.3/102

reg_asym_sam5_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.322+/-0.268 χ^2/NDF: 27931.9/24

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.266+/-0.247 χ^2/NDF: 31737.0/29

Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

Left: 89.714+/-0.130 χ^2/NDF: 2162.3/47

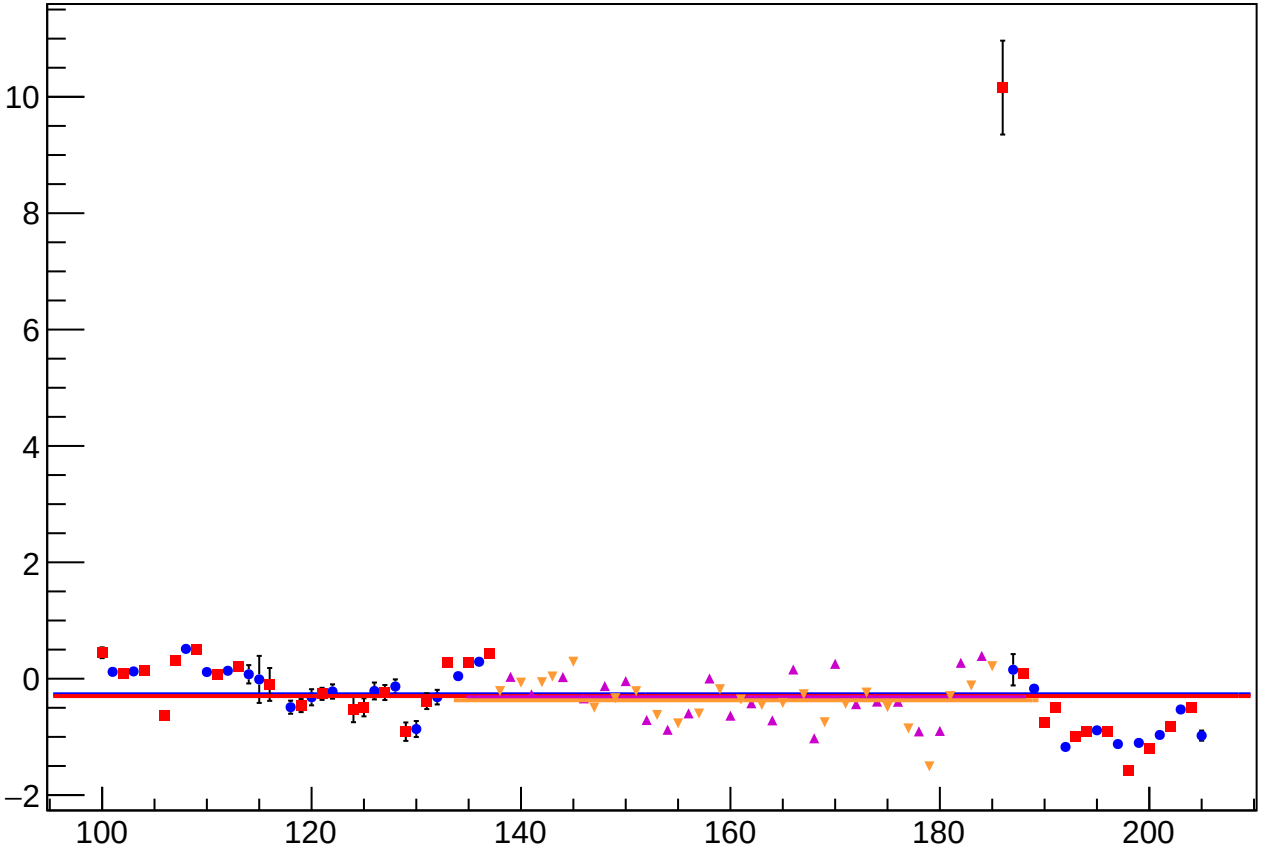
Right: 42.752+/-0.182 χ^2/NDF: 59677.4/54

In: 74.349+/-0.154 χ^2/NDF:48993.0/47

Out: 73.279+/-0.146 χ^2/NDF:56913.8/54

All: 73.787+/-0.106 χ^2/NDF: 105932.3/102

reg_asym_sam5_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.268+/-0.011 χ^2/NDF: 2953.2/24

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.299+/-0.010 χ^2/NDF: 3456.9/29

Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

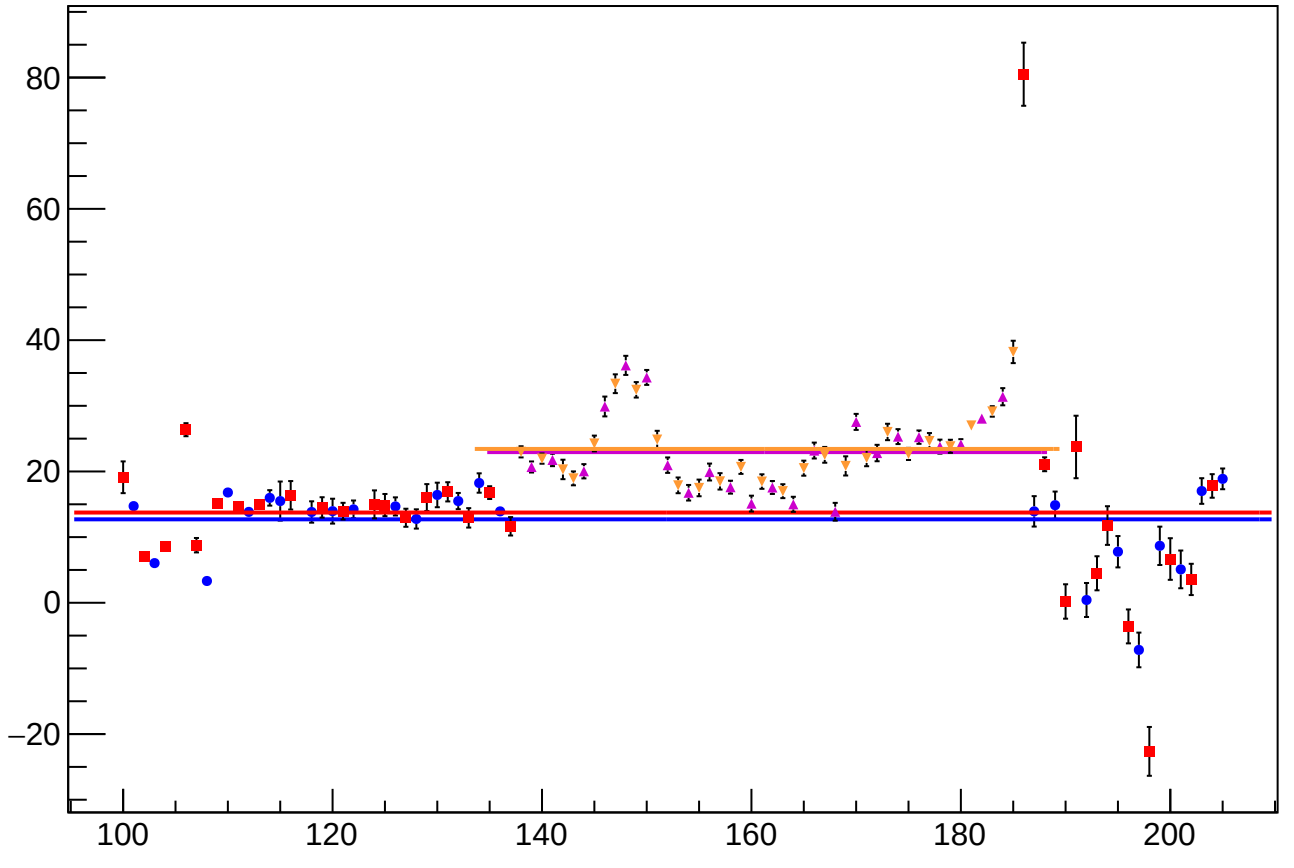
Left: -0.345+/-0.006 χ^2/NDF: 4230.8/47

Right: -0.285+/-0.007 χ^2/NDF: 6414.1/54

In: -0.301+/-0.007 χ^2/NDF:5408.3/47

Out: -0.343+/-0.006 χ^2/NDF:5256.8/54

All: -0.323+/-0.005 χ^2/NDF: 10686.5/102



Right In: 12.708+/-0.206 χ^2/NDF: 502.3/24

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.744+/-0.195 χ^2/NDF: 858.5/29

Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

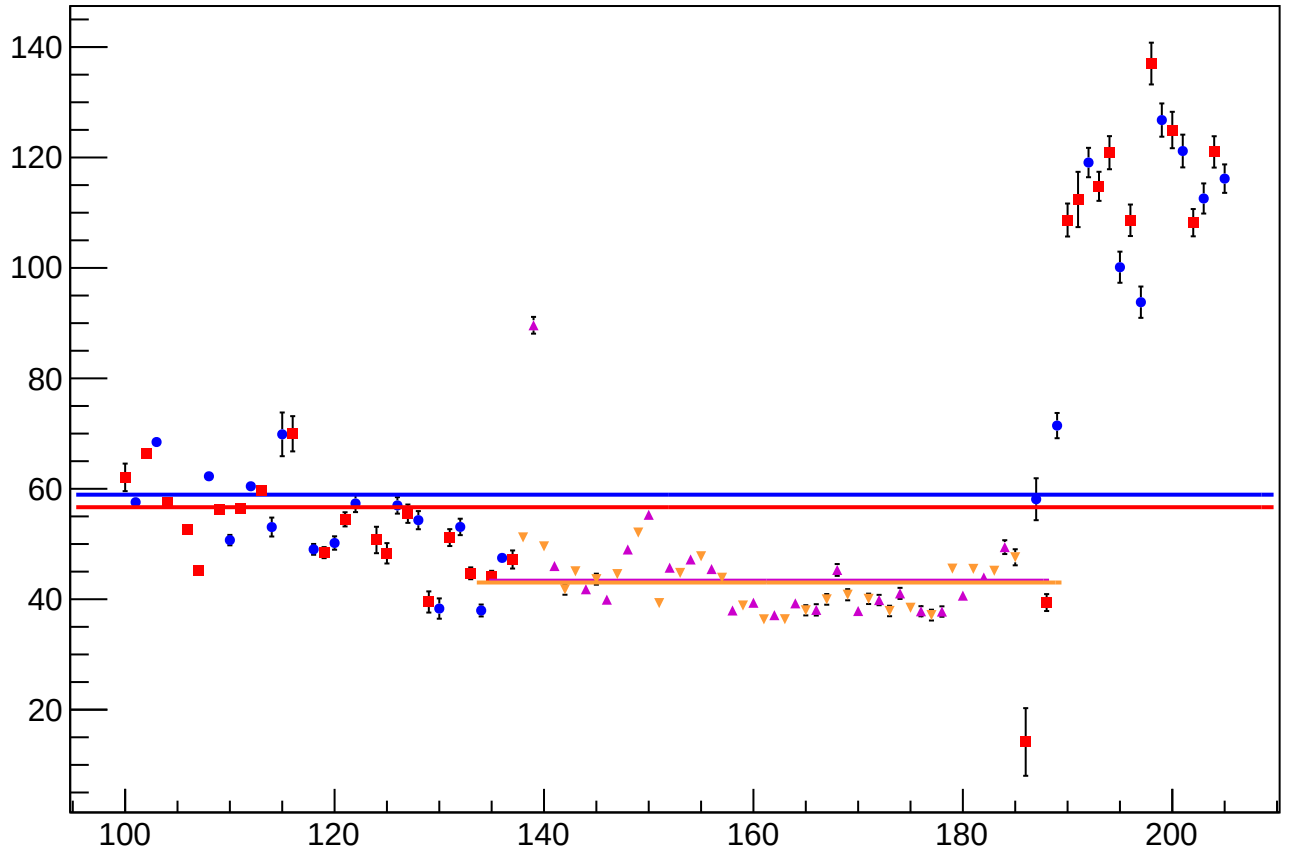
Left: 23.201+/-0.156 χ^2/NDF: 995.5/47

Right: 13.252+/-0.142 χ^2/NDF: 1374.1/54

In: 17.364+/-0.152 χ^2/NDF:2193.6/47

Out: 18.106+/-0.145 χ^2/NDF:2393.6/54

All: 17.753+/-0.105 χ^2/NDF: 4599.7/102



Right In: 58.935+/-0.216 χ^2/NDF: 3948.5/24

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 56.667+/-0.217 χ^2/NDF: 4840.8/29

Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

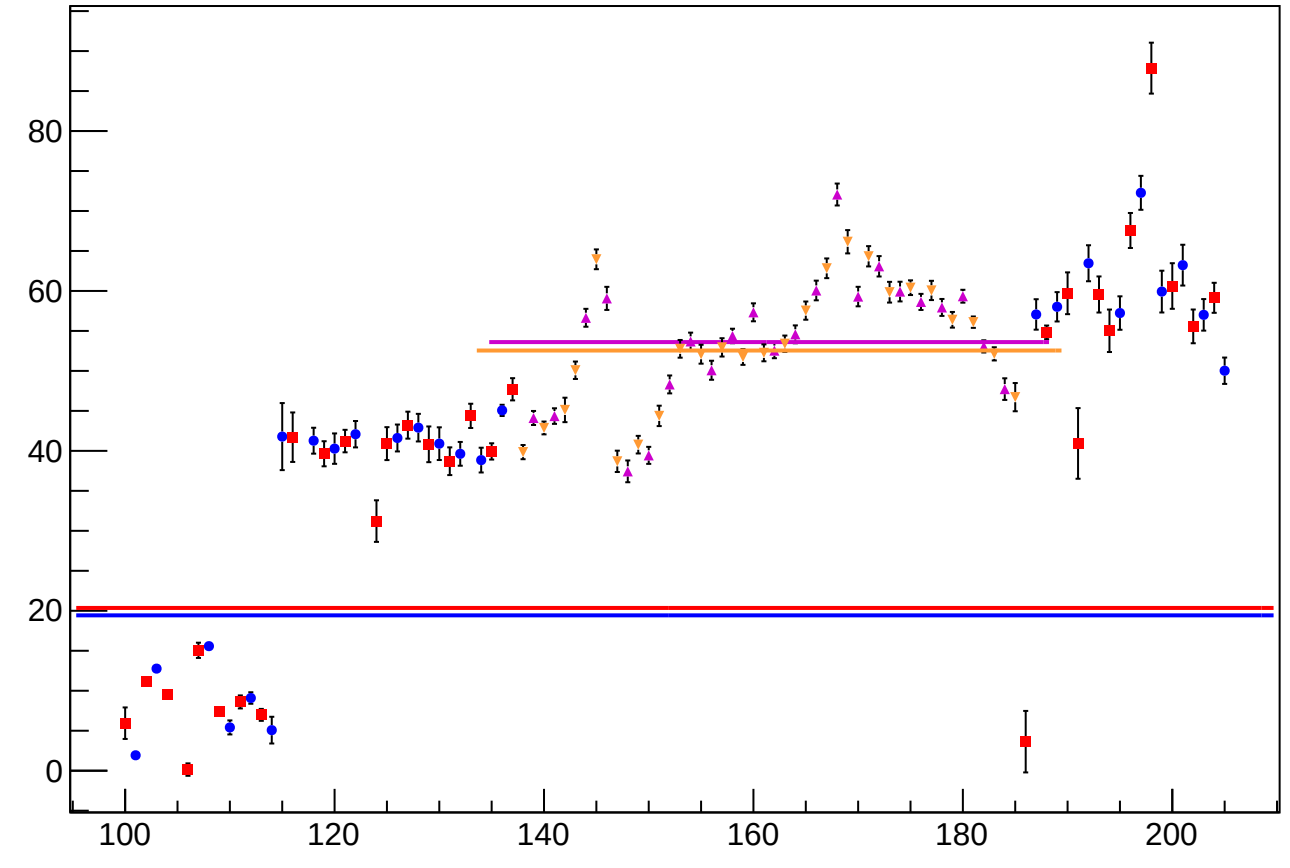
Left: 43.186+/-0.122 χ^2/NDF: 2465.8/47

Right: 57.807+/-0.153 χ^2/NDF: 8844.4/54

In: 49.629+/-0.137 χ^2/NDF:8745.6/47

Out: 48.118+/-0.132 χ^2/NDF:8101.2/54

All: 48.848+/-0.095 χ^2/NDF: 16909.8/102



Right In: 19.429+/-0.204 χ^2/NDF: 8906.9/24

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 20.356+/-0.205 χ^2/NDF: 8596.8/29

Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

Left: 53.057+/-0.155 χ^2/NDF: 2213.7/47

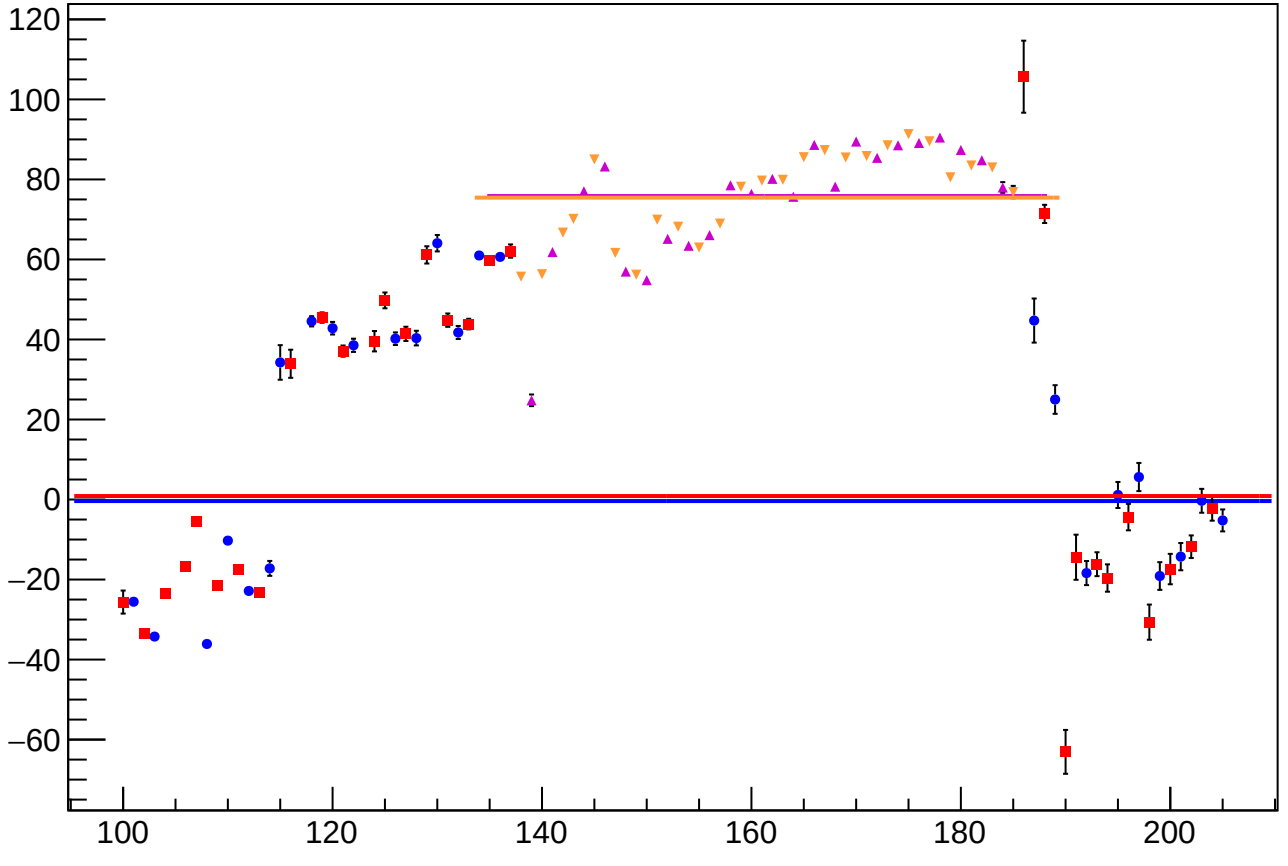
Right: 19.890+/-0.145 χ^2/NDF: 17513.9/54

In: 35.023+/-0.151 χ^2/NDF:22704.4/47

Out: 35.738+/-0.148 χ^2/NDF:21537.5/54

All: 35.386+/-0.106 χ^2/NDF: 44253.4/102

reg_asym_sam6_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.384+/-0.254 χ^2/NDF: 21236.2/24

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.869+/-0.256 χ^2/NDF: 17438.4/29

Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

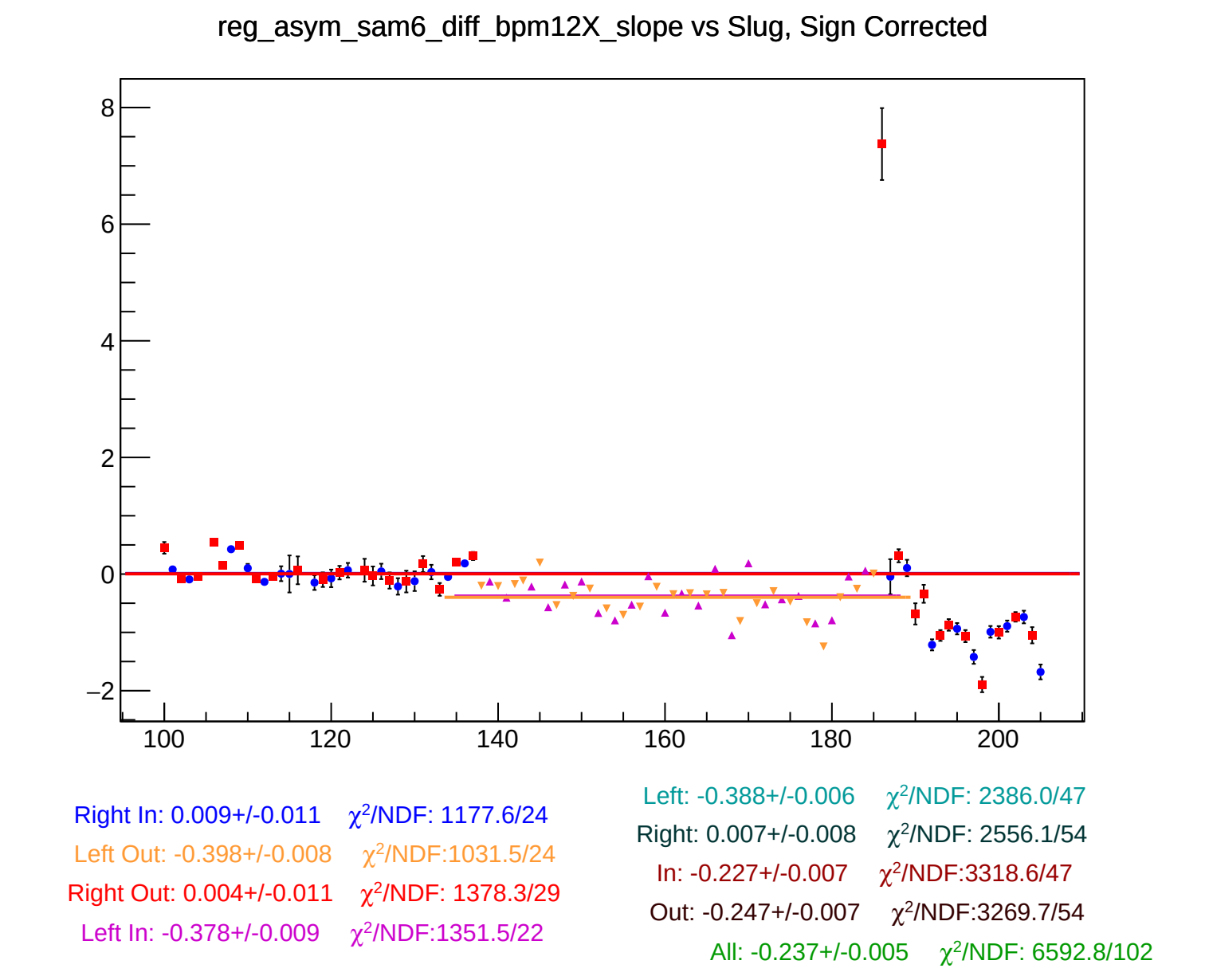
Left: 75.637+/-0.136 χ^2/NDF: 7736.7/47

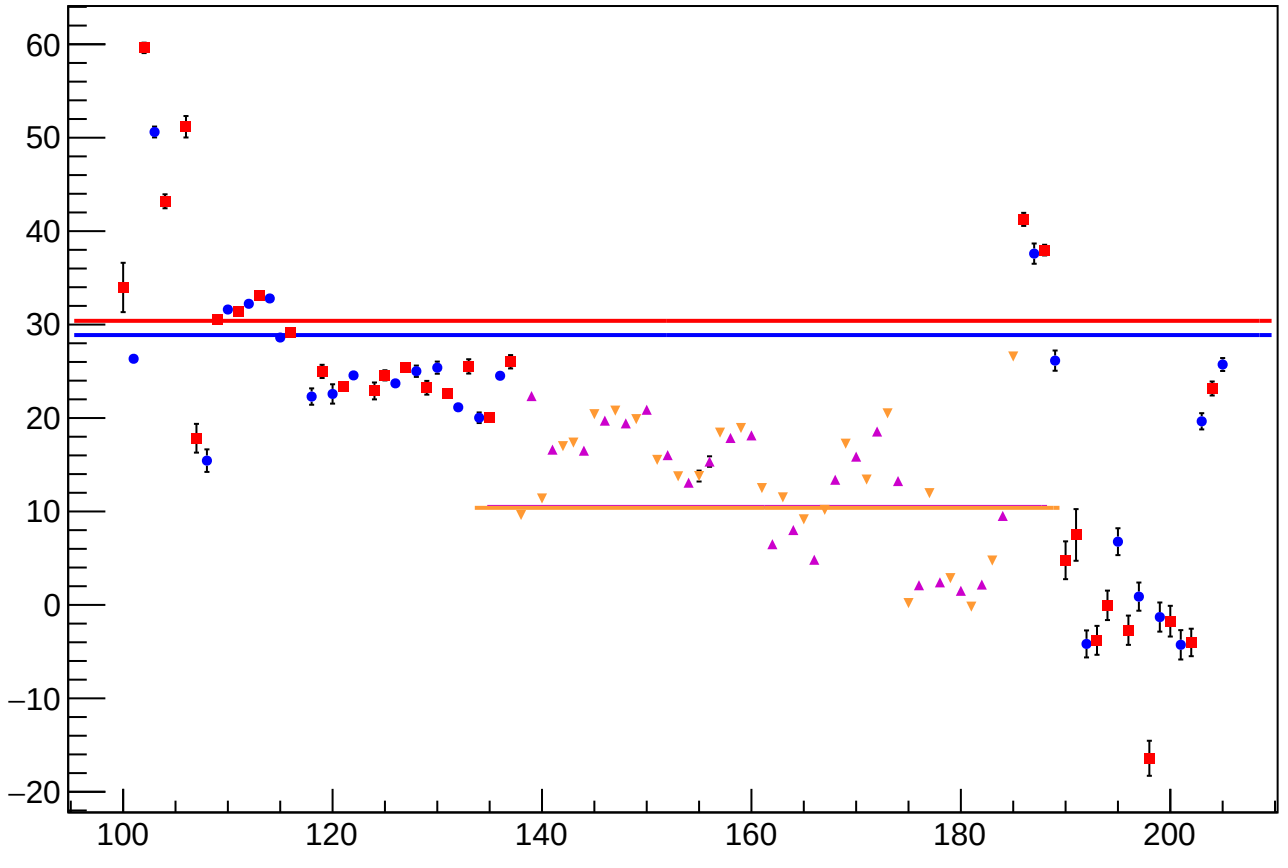
Right: 0.240+/-0.180 χ^2/NDF: 38686.7/54

In: 47.228+/-0.156 χ^2/NDF:81561.4/47

Out: 49.207+/-0.152 χ^2/NDF:76078.7/54

All: 48.245+/-0.109 χ^2/NDF: 157722.8/102


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: 1177.6/24
Left Out: -0.398+/-0.008 χ²/NDF:1031.5/24
Right Out: 0.004+/-0.011 χ²/NDF: 1378.3/29
Left In: -0.378+/-0.009 χ²/NDF:1351.5/22
Left: -0.388+/-0.006 χ²/NDF: 2386.0/47
Right: 0.007+/-0.008 χ²/NDF: 2556.1/54
In: -0.227+/-0.007 χ²/NDF:3318.6/47
Out: -0.247+/-0.007 χ²/NDF:3269.7/54
All: -0.237+/-0.005 χ²/NDF: 6592.8/102



Right In: 28.879+/-0.089 χ^2/NDF: 5552.7/24

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.401+/-0.078 χ^2/NDF: 8701.4/29

Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

Left: 10.437+/-0.046 χ^2/NDF: 25292.1/47

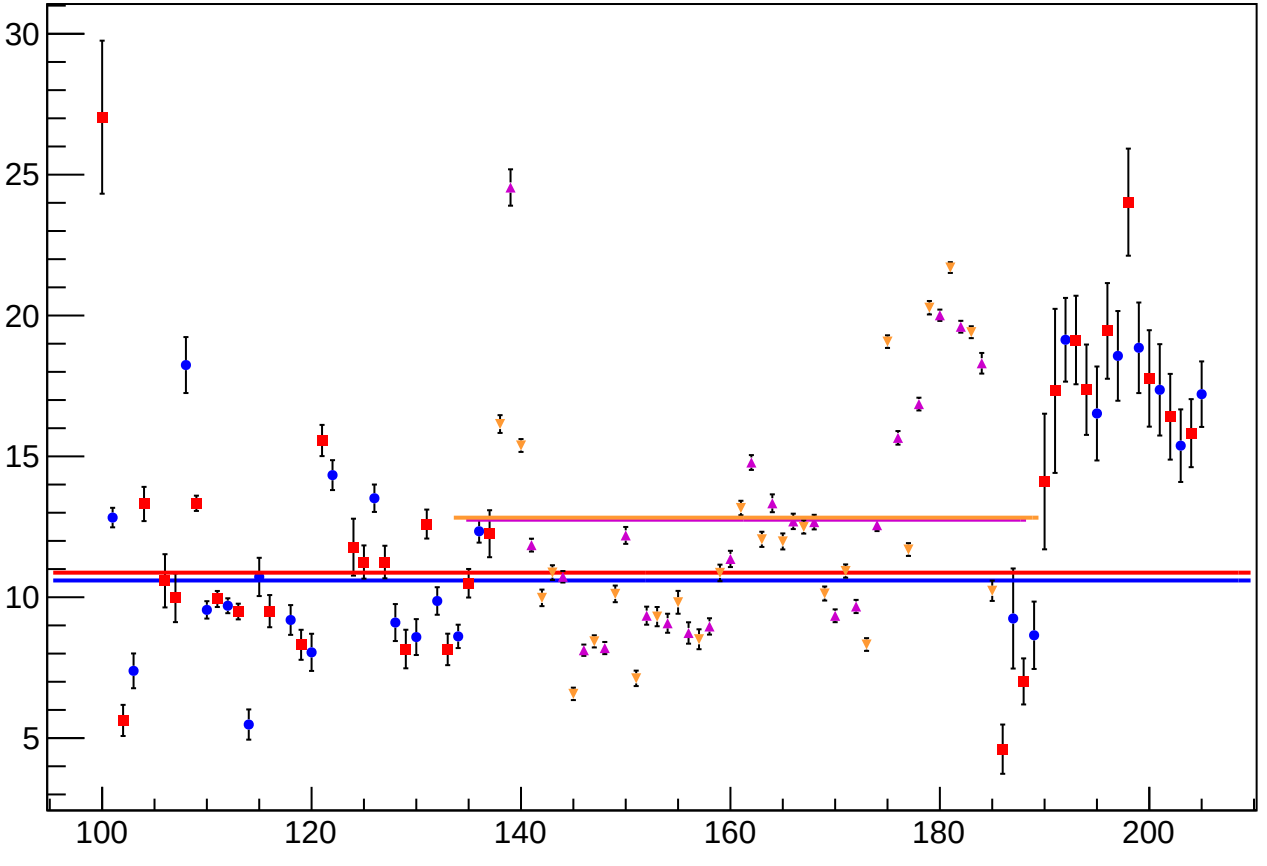
Right: 29.744+/-0.059 χ^2/NDF: 14419.5/54

In: 17.091+/-0.053 χ^2/NDF:44278.1/47

Out: 18.487+/-0.049 χ^2/NDF:61899.7/54

All: 17.843+/-0.036 χ^2/NDF: 106545.0/102

reg_asym_sam7_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.595+/-0.111 χ^2/NDF: 572.2/24

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.873+/-0.109 χ^2/NDF: 660.7/29

Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

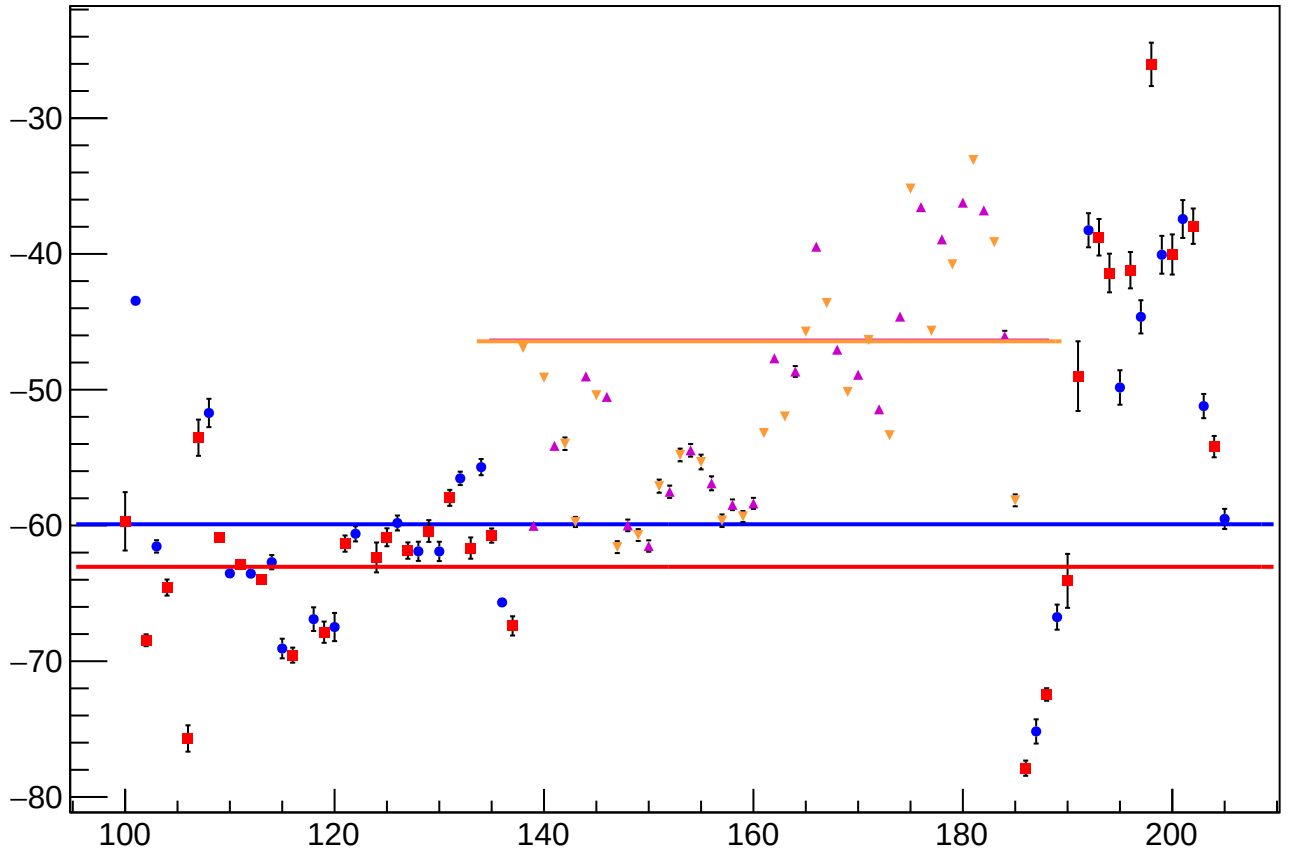
Left: 12.790+/-0.037 χ^2/NDF: 13520.0/47

Right: 10.737+/-0.078 χ^2/NDF: 1236.1/54

In: 12.352+/-0.048 χ^2/NDF:6382.9/47

Out: 12.473+/-0.046 χ^2/NDF:8940.9/54

All: 12.414+/-0.033 χ^2/NDF: 15327.1/102



Right In: -59.913+/-0.107 χ^2/NDF: 5036.2/24

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -63.048+/-0.100 χ^2/NDF: 4084.8/29

Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

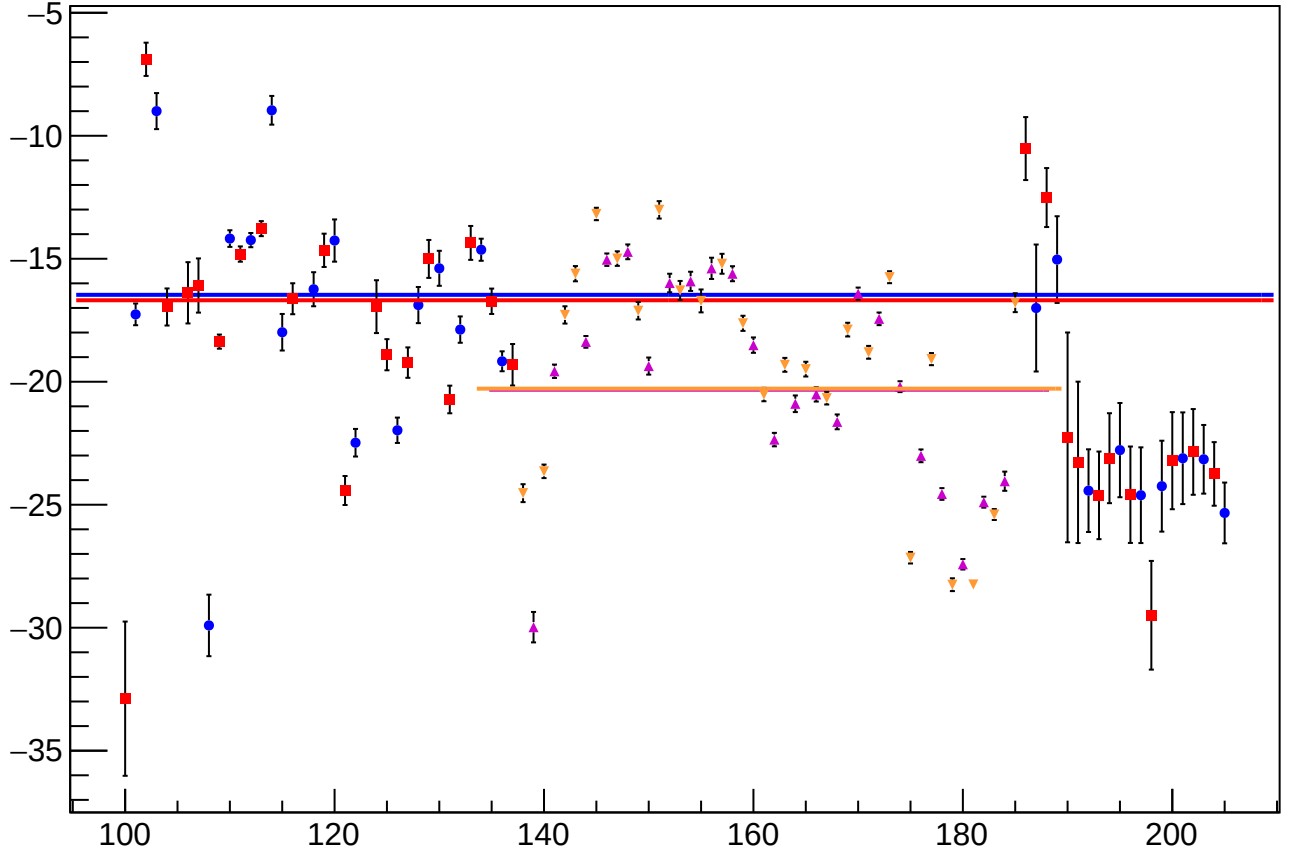
Left: -46.410+/-0.046 χ^2/NDF: 33251.4/47

Right: -61.590+/-0.073 χ^2/NDF: 9577.2/54

In: -50.159+/-0.057 χ^2/NDF:31566.4/47

Out: -51.302+/-0.054 χ^2/NDF:41737.1/54

All: -50.757+/-0.039 χ^2/NDF: 73516.1/102



Right In: -16.466+/-0.124 χ^2/NDF: 959.8/24

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.687+/-0.121 χ^2/NDF: 863.0/29

Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

Left: -20.302+/-0.041 χ^2/NDF: 11292.4/47

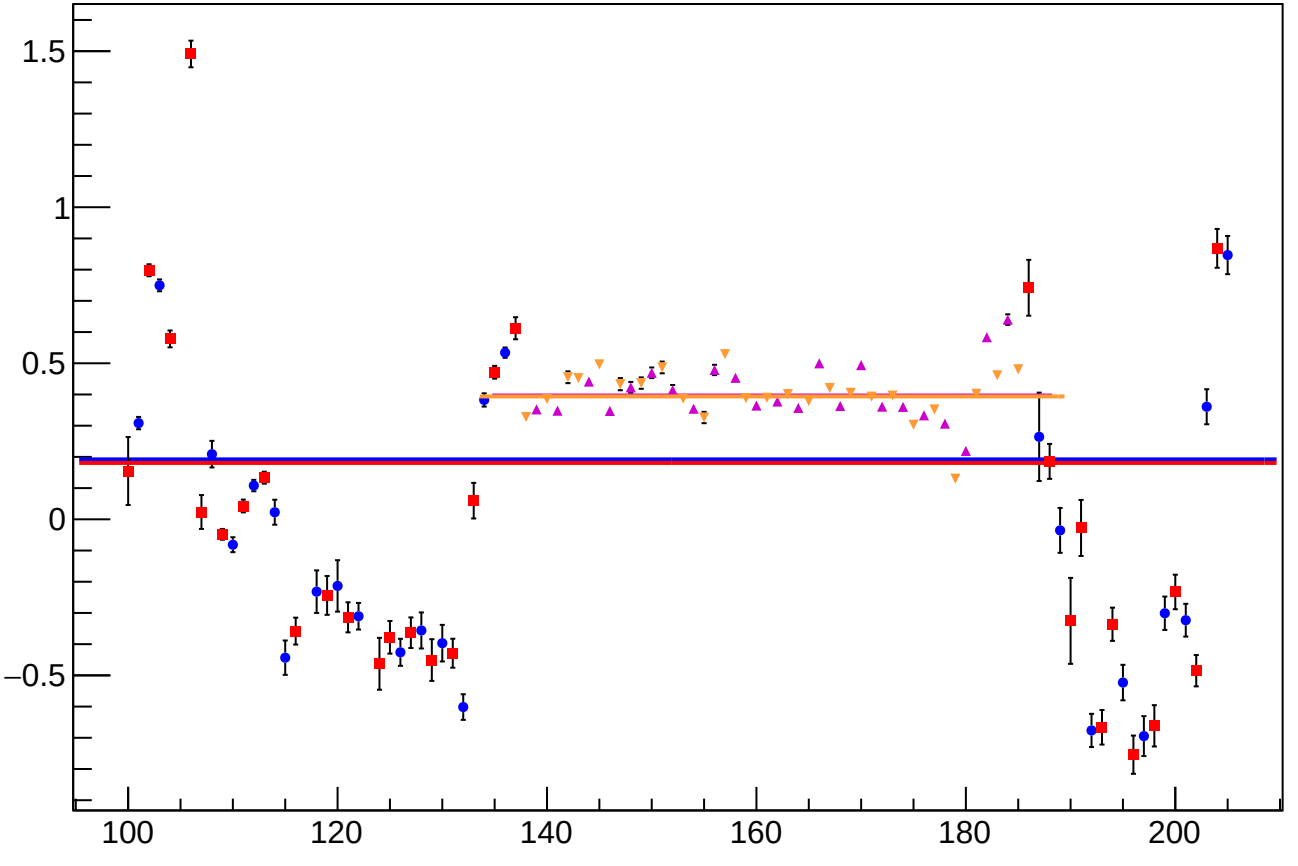
Right: -16.579+/-0.087 χ^2/NDF: 1824.5/54

In: -19.611+/-0.053 χ^2/NDF:6020.6/47

Out: -19.629+/-0.052 χ^2/NDF:8602.4/54

All: -19.620+/-0.037 χ^2/NDF: 14623.0/102

reg_asym_sam7_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.192+/-0.007 χ^2/NDF: 3606.3/24

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.181+/-0.007 χ^2/NDF: 4792.0/29

Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

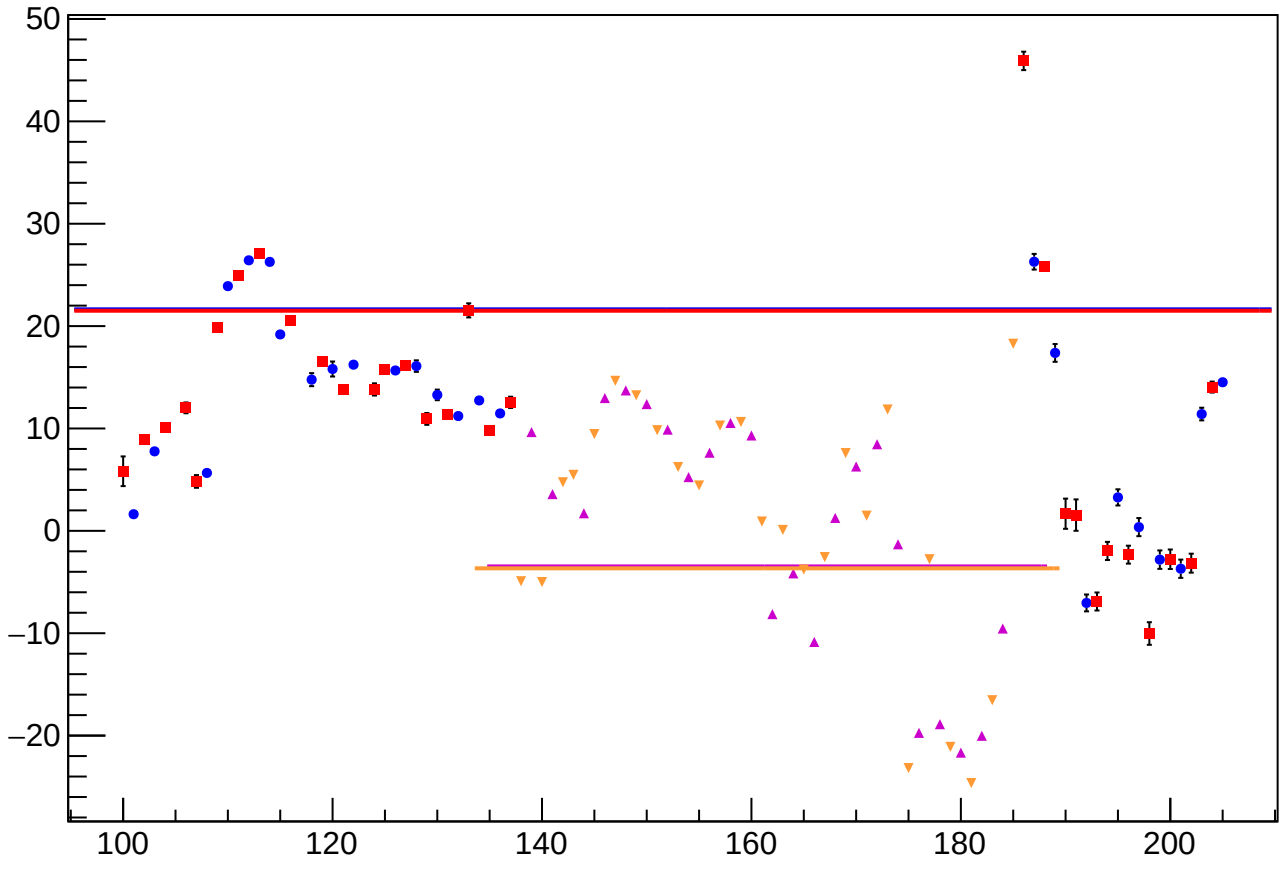
Left: 0.395+/-0.002 χ^2/NDF: 2243.2/47

Right: 0.186+/-0.005 χ^2/NDF: 8399.8/54

In: 0.369+/-0.002 χ^2/NDF:5717.2/47

Out: 0.366+/-0.002 χ^2/NDF:6634.8/54

All: 0.368+/-0.002 χ^2/NDF: 12352.6/102



Right In: 21.639+/-0.055 χ^2/NDF: 16968.3/24

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.502+/-0.045 χ^2/NDF: 16798.5/29

Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

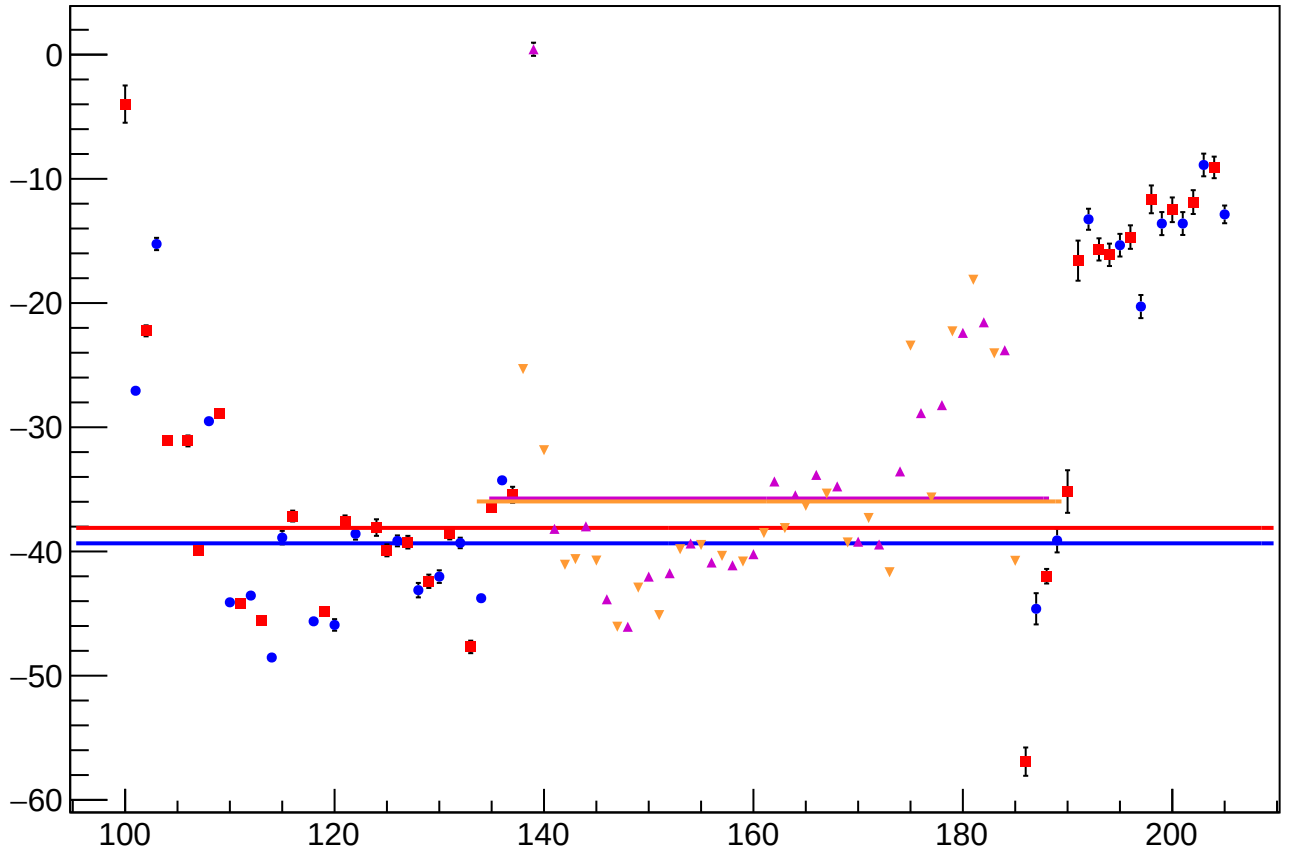
Left: -3.573+/-0.040 χ^2/NDF: 101848.8/47

Right: 21.558+/-0.035 χ^2/NDF: 33770.5/54

In: 9.616+/-0.040 χ^2/NDF:161811.5/47

Out: 11.203+/-0.035 χ^2/NDF:199282.1/54

All: 10.512+/-0.026 χ^2/NDF: 361994.6/102



Right In: -39.345+/-0.074 χ^2/NDF: 14221.9/24

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -38.102+/-0.069 χ^2/NDF: 15685.9/29

Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

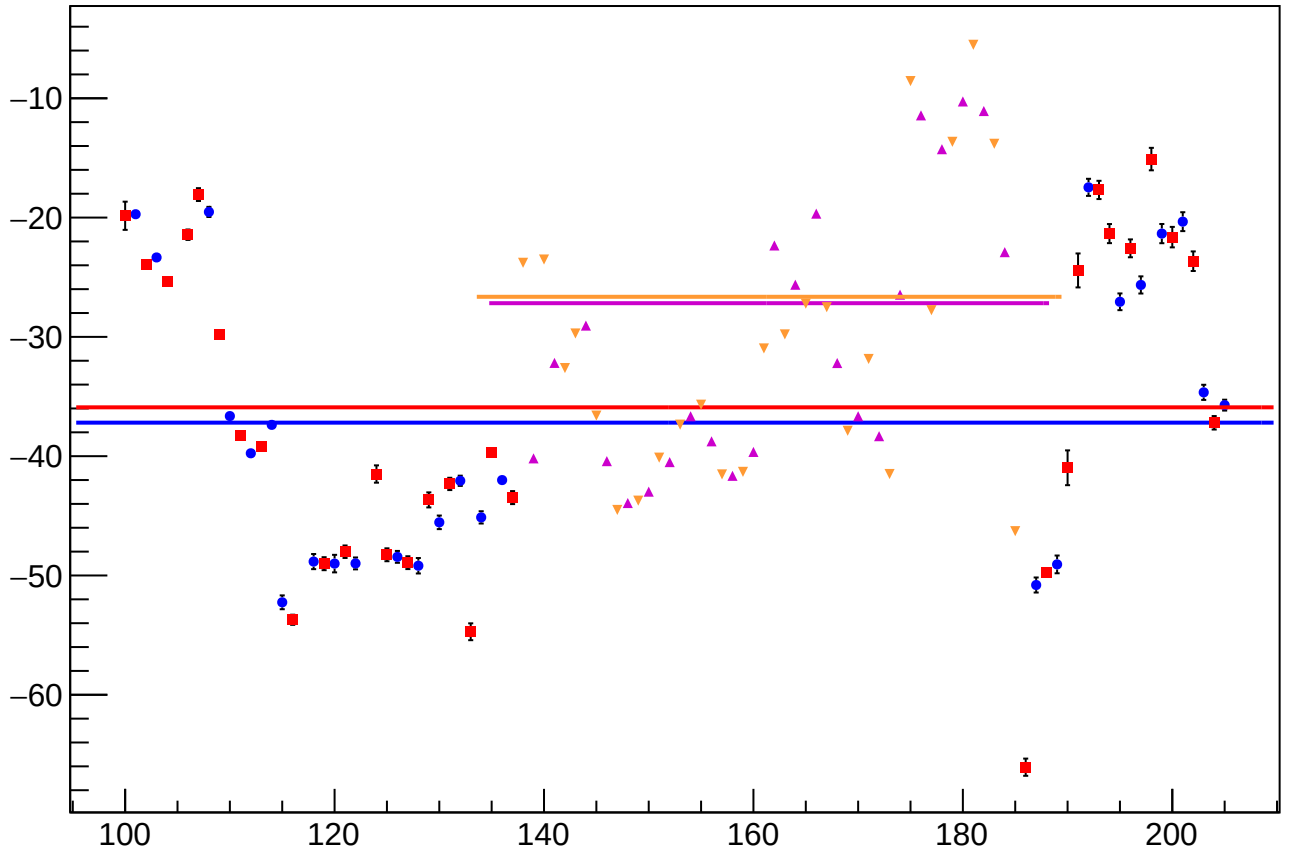
Left: -35.862+/-0.031 χ^2/NDF: 60778.7/47

Right: -38.679+/-0.050 χ^2/NDF: 30058.5/54

In: -36.706+/-0.038 χ^2/NDF:43108.5/47

Out: -36.558+/-0.036 χ^2/NDF:49987.3/54

All: -36.627+/-0.026 χ^2/NDF: 93103.7/102



Right In: -37.189+/-0.070 χ^2/NDF: 13711.0/24

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.905+/-0.061 χ^2/NDF: 19069.8/29

Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

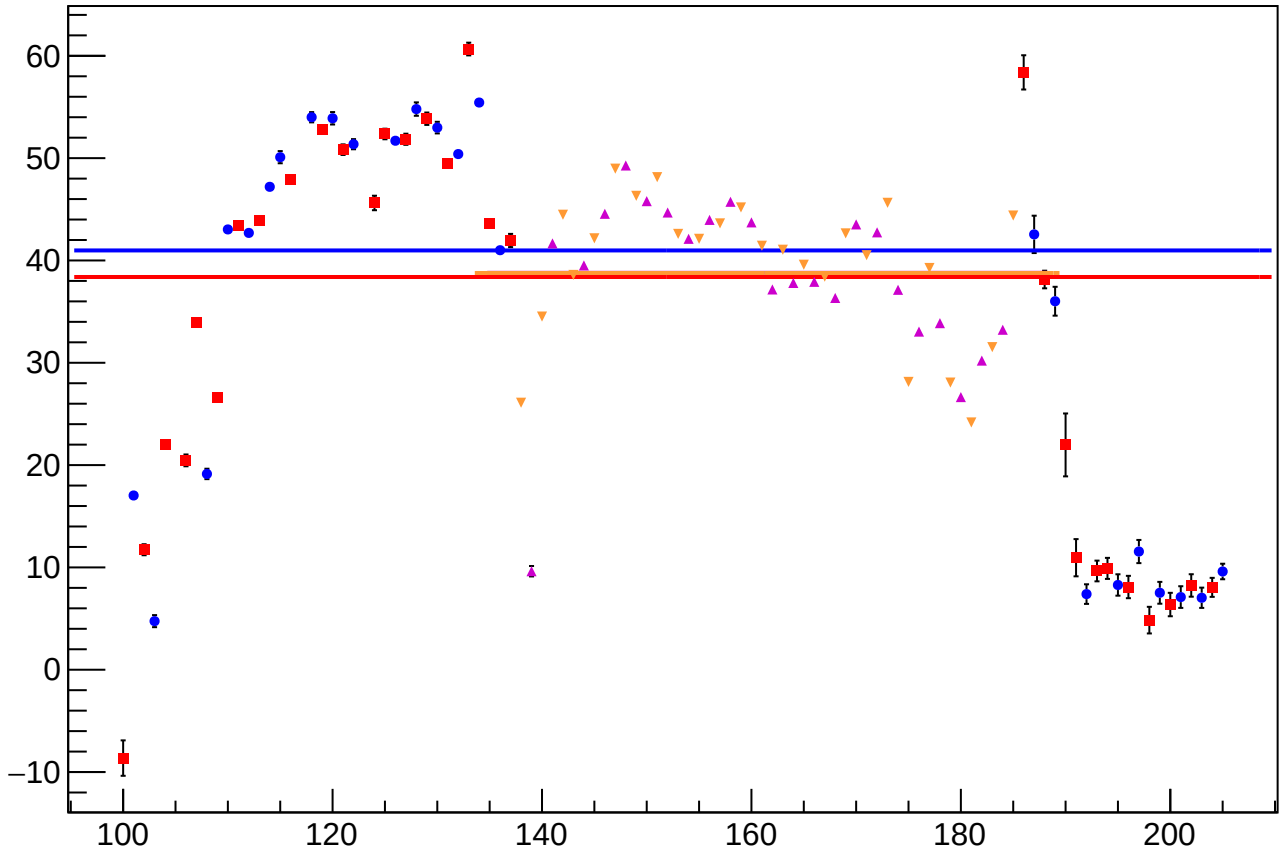
Left: -26.895+/-0.039 χ^2/NDF: 91088.1/47

Right: -36.464+/-0.046 χ^2/NDF: 32971.3/54

In: -31.193+/-0.044 χ^2/NDF:66983.5/47

Out: -30.735+/-0.041 χ^2/NDF:81859.4/54

All: -30.945+/-0.030 χ^2/NDF: 148900.8/102



Right In: 40.980+/-0.083 χ^2/NDF: 22971.7/24

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 38.385+/-0.076 χ^2/NDF: 24201.8/29

Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

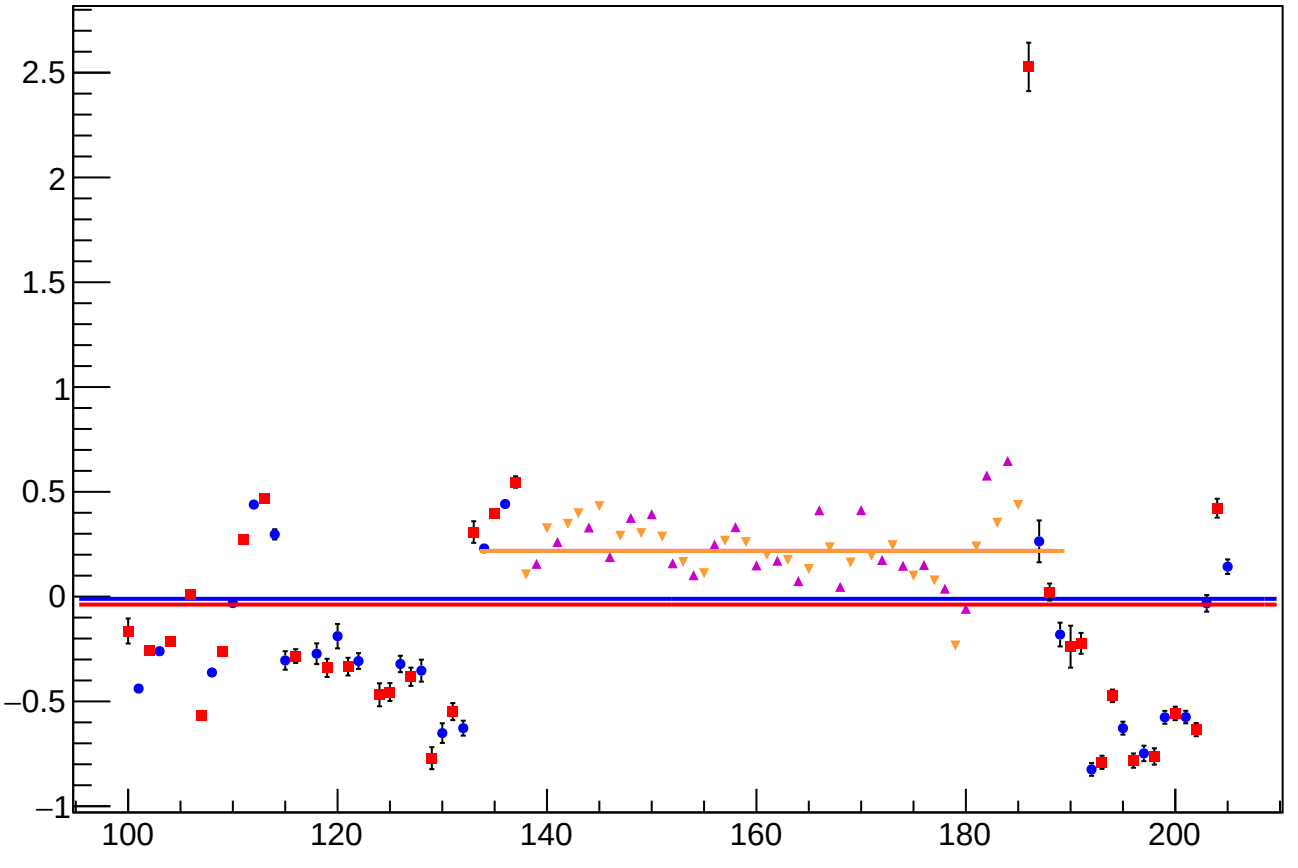
Left: 38.784+/-0.035 χ^2/NDF: 37311.3/47

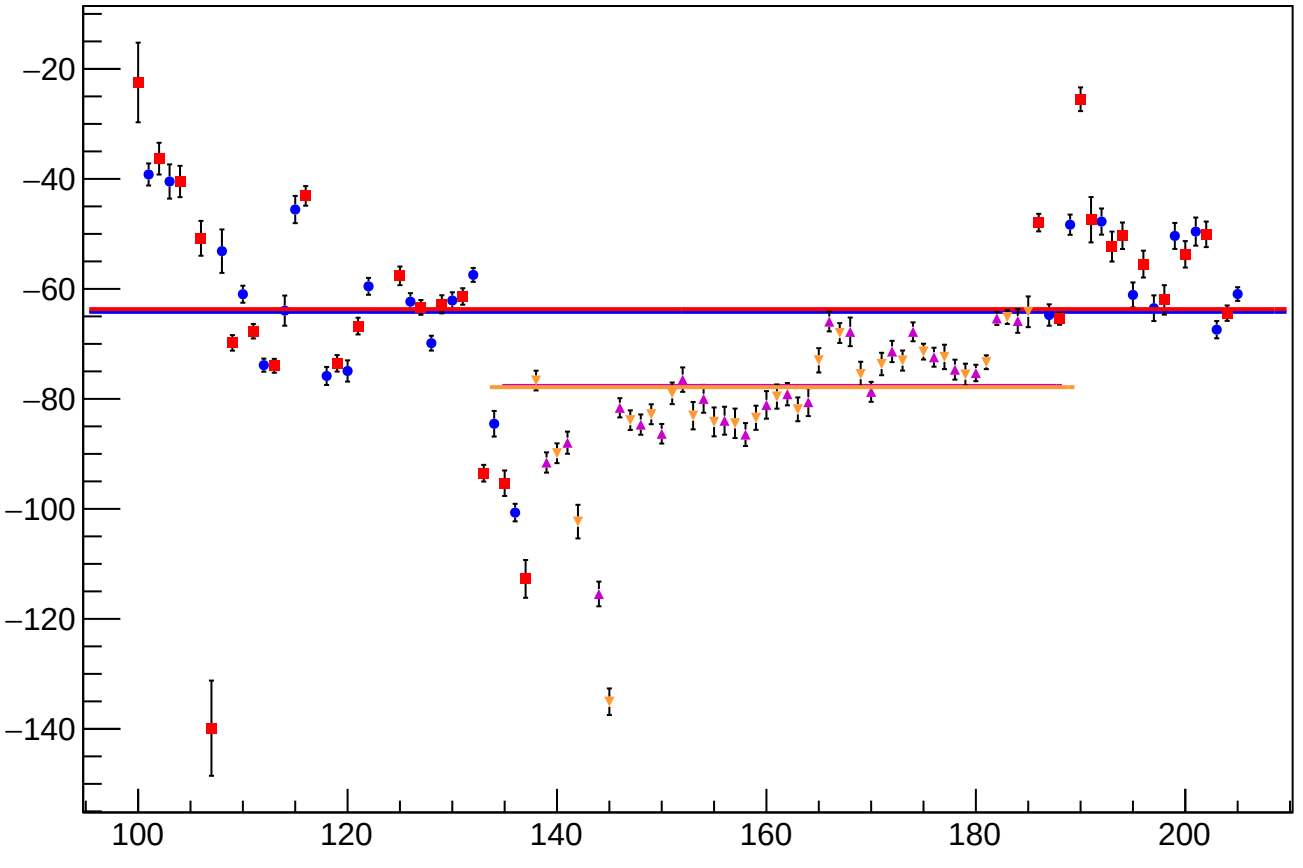
Right: 39.578+/-0.056 χ^2/NDF: 47706.0/54

In: 39.381+/-0.043 χ^2/NDF:39724.7/47

Out: 38.667+/-0.040 χ^2/NDF:45291.5/54

All: 39.003+/-0.029 χ^2/NDF: 85162.7/102


reg_asym_sam8_diff_bpm12X_slope vs Slug, Sign Corrected
2.5
2
1.5
1
0.5
0
−0.5
−1
100
120
140
160
180
200
Right In: -0.011+/-0.004 χ²/NDF: 7983.6/24
Left Out: 0.218+/-0.002 χ²/NDF:4075.0/24
Right Out: -0.038+/-0.004 χ²/NDF: 9433.6/29
Left In: 0.218+/-0.002 χ²/NDF:5312.2/22
Left: 0.218+/-0.002 χ²/NDF: 9387.2/47
Right: -0.025+/-0.003 χ²/NDF: 17437.5/54
In: 0.173+/-0.002 χ²/NDF:15379.5/47
Out: 0.163+/-0.002 χ²/NDF:16554.8/54
All: 0.168+/-0.001 χ²/NDF: 31947.7/102



Right In: -64.172+/-0.353 χ^2/NDF: 1287.8/24

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.676+/-0.340 χ^2/NDF: 1889.7/28

Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

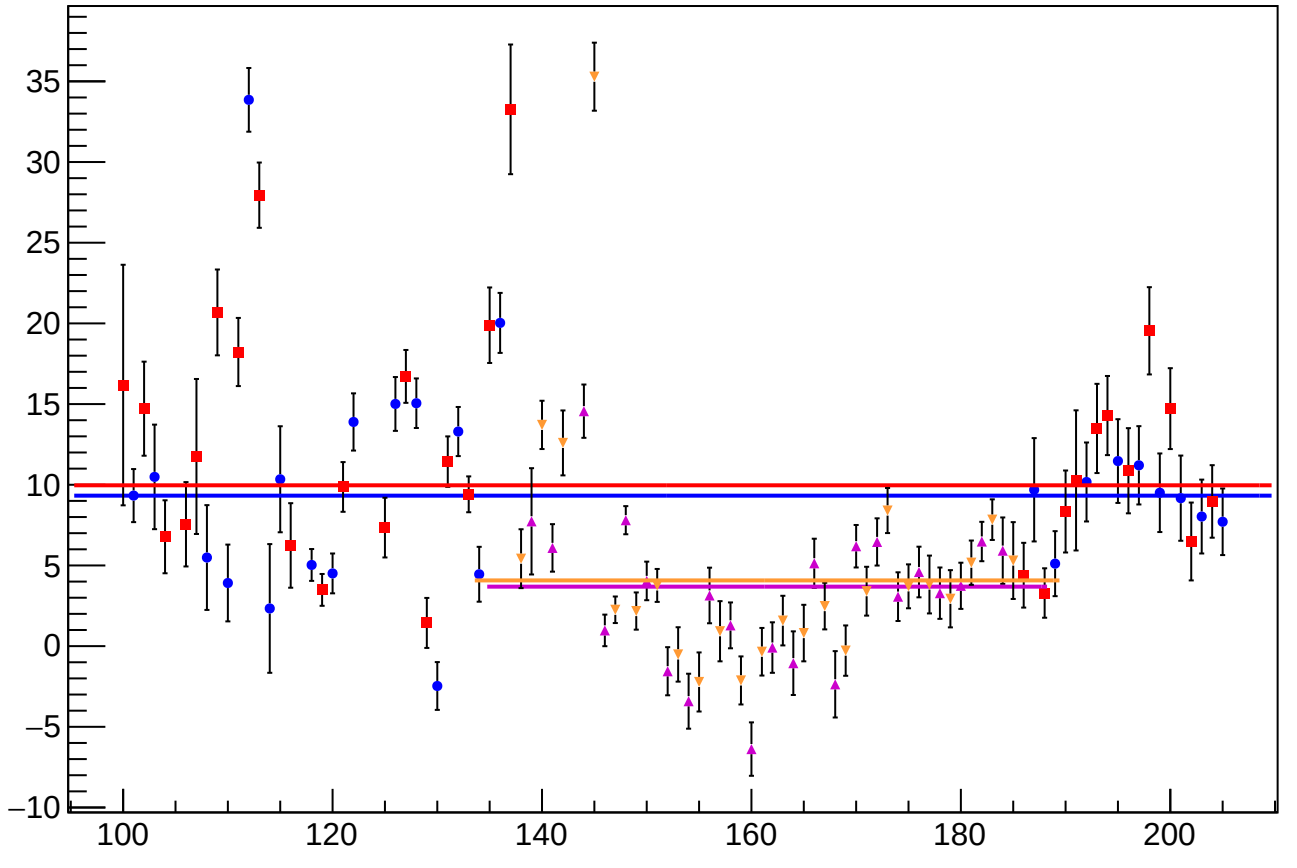
Left: -77.756+/-0.279 χ^2/NDF: 1625.8/46

Right: -63.914+/-0.245 χ^2/NDF: 3178.5/53

In: -70.136+/-0.264 χ^2/NDF:2624.5/47

Out: -69.722+/-0.257 χ^2/NDF:3566.3/52

All: -69.924+/-0.184 χ^2/NDF: 6192.0/100



Right In: 9.325+/-0.377 χ^2/NDF: 348.8/24

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.967+/-0.371 χ^2/NDF: 314.4/28

Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

Left: 3.883+/-0.212 χ^2/NDF: 554.0/46

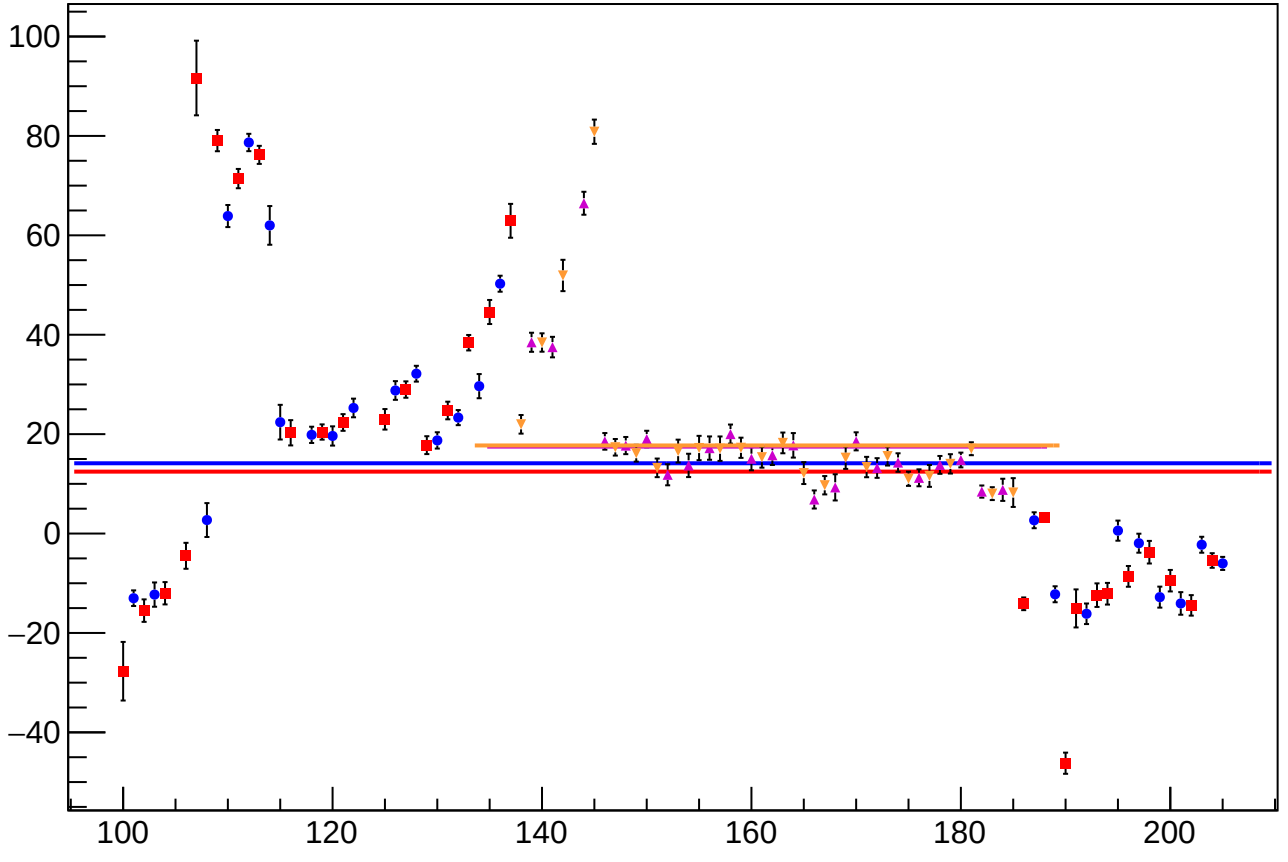
Right: 9.651+/-0.265 χ^2/NDF: 664.7/53

In: 5.885+/-0.236 χ^2/NDF:667.7/47

Out: 6.371+/-0.232 χ^2/NDF:838.8/52

All: 6.132+/-0.165 χ^2/NDF: 1508.7/100

reg_asym_usl_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 14.139+/-0.372 χ^2/NDF: 4588.0/24

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 12.457+/-0.351 χ^2/NDF: 6681.3/28

Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

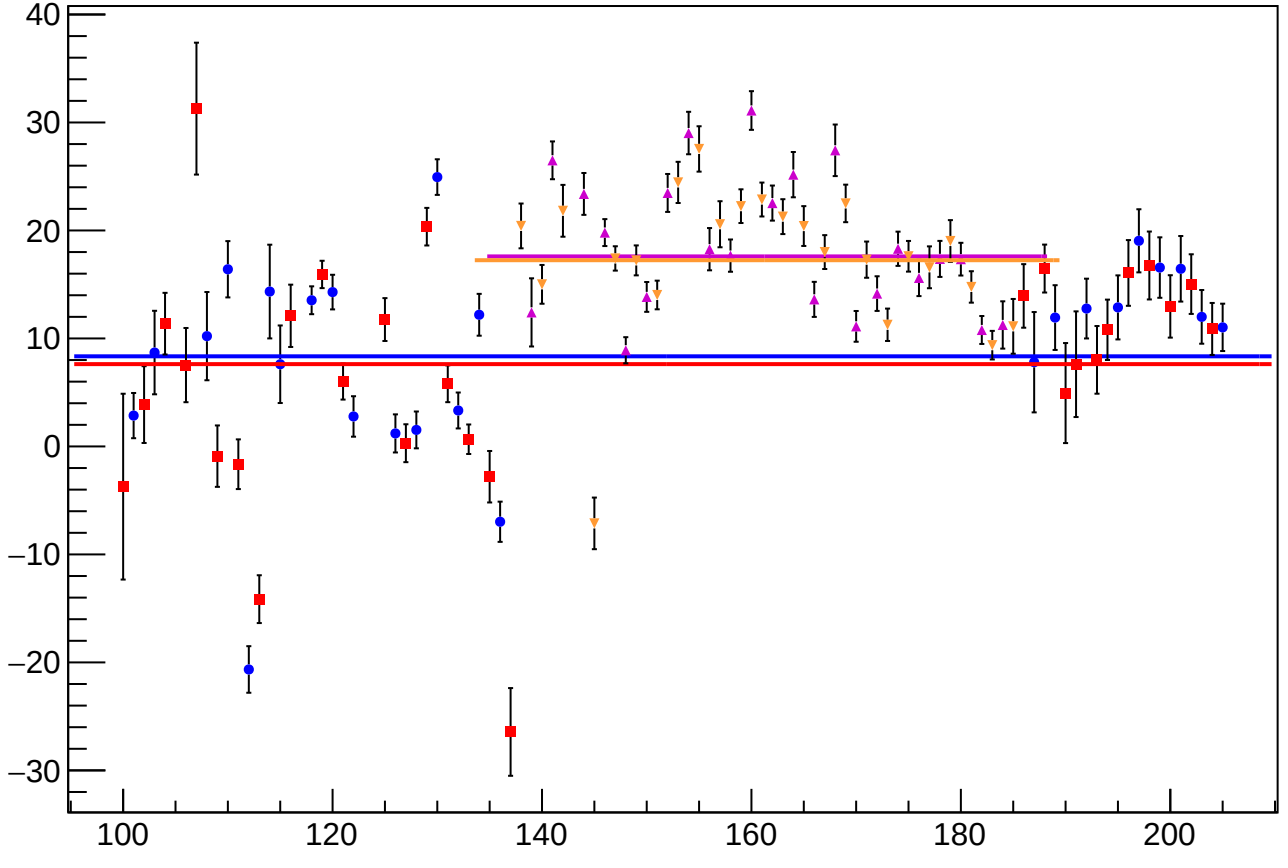
Left: 17.608+/-0.277 χ^2/NDF: 1879.2/46

Right: 13.249+/-0.256 χ^2/NDF: 11280.0/53

In: 15.726+/-0.270 χ^2/NDF:5447.1/47

Out: 14.808+/-0.261 χ^2/NDF:7839.9/52

All: 15.251+/-0.188 χ^2/NDF: 13293.0/100



Right In: 8.345+/-0.439 χ^2/NDF: 491.7/24

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.622+/-0.437 χ^2/NDF: 430.2/28

Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

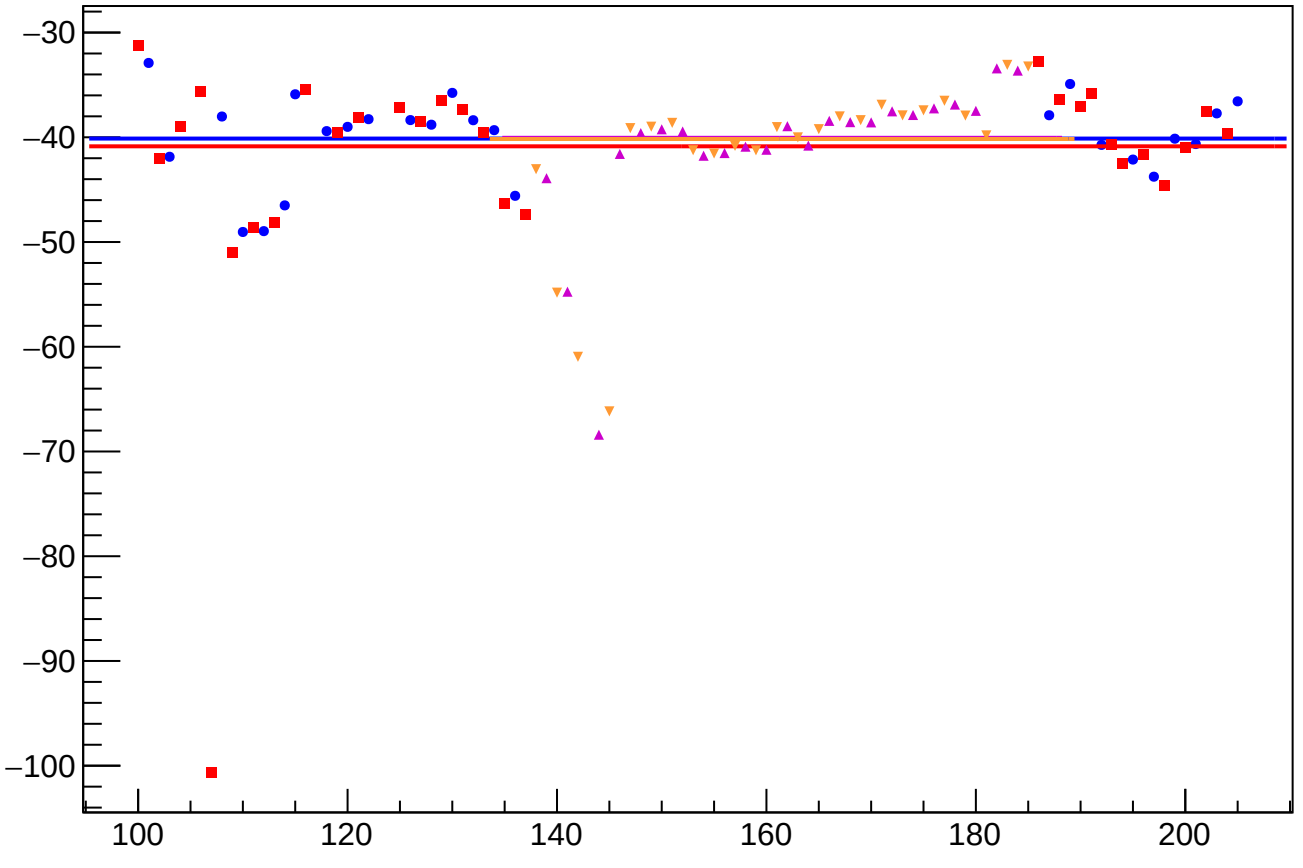
Left: 17.419+/-0.241 χ^2/NDF: 571.0/46

Right: 7.982+/-0.310 χ^2/NDF: 923.3/53

In: 14.097+/-0.270 χ^2/NDF:1077.9/47

Out: 13.639+/-0.267 χ^2/NDF:994.5/52

All: 13.866+/-0.190 χ^2/NDF: 2073.9/100



Right In: -40.123+/-0.023 χ^2/NDF: 26642.8/24

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.863+/-0.022 χ^2/NDF: 69393.9/28

Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

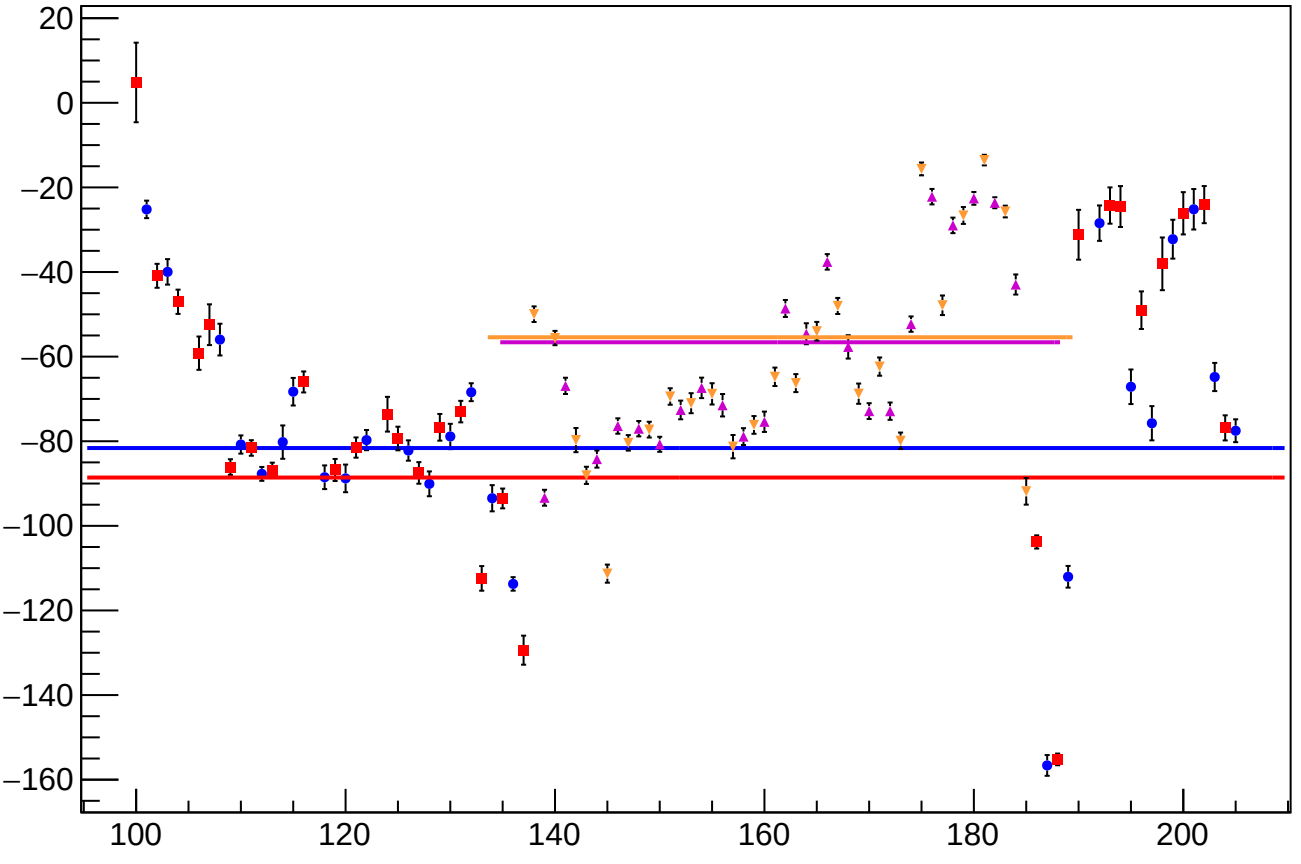
Left: -40.107+/-0.011 χ^2/NDF: 299802.1/46

Right: -40.502+/-0.016 χ^2/NDF: 96588.1/53

In: -40.073+/-0.013 χ^2/NDF:163088.5/47

Out: -40.395+/-0.013 χ^2/NDF:233405.0/52

All: -40.235+/-0.009 χ^2/NDF: 396816.1/100



Right In: -81.609+/-0.535 χ^2/NDF: 3023.6/24

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -88.583+/-0.495 χ^2/NDF: 4548.3/28

Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

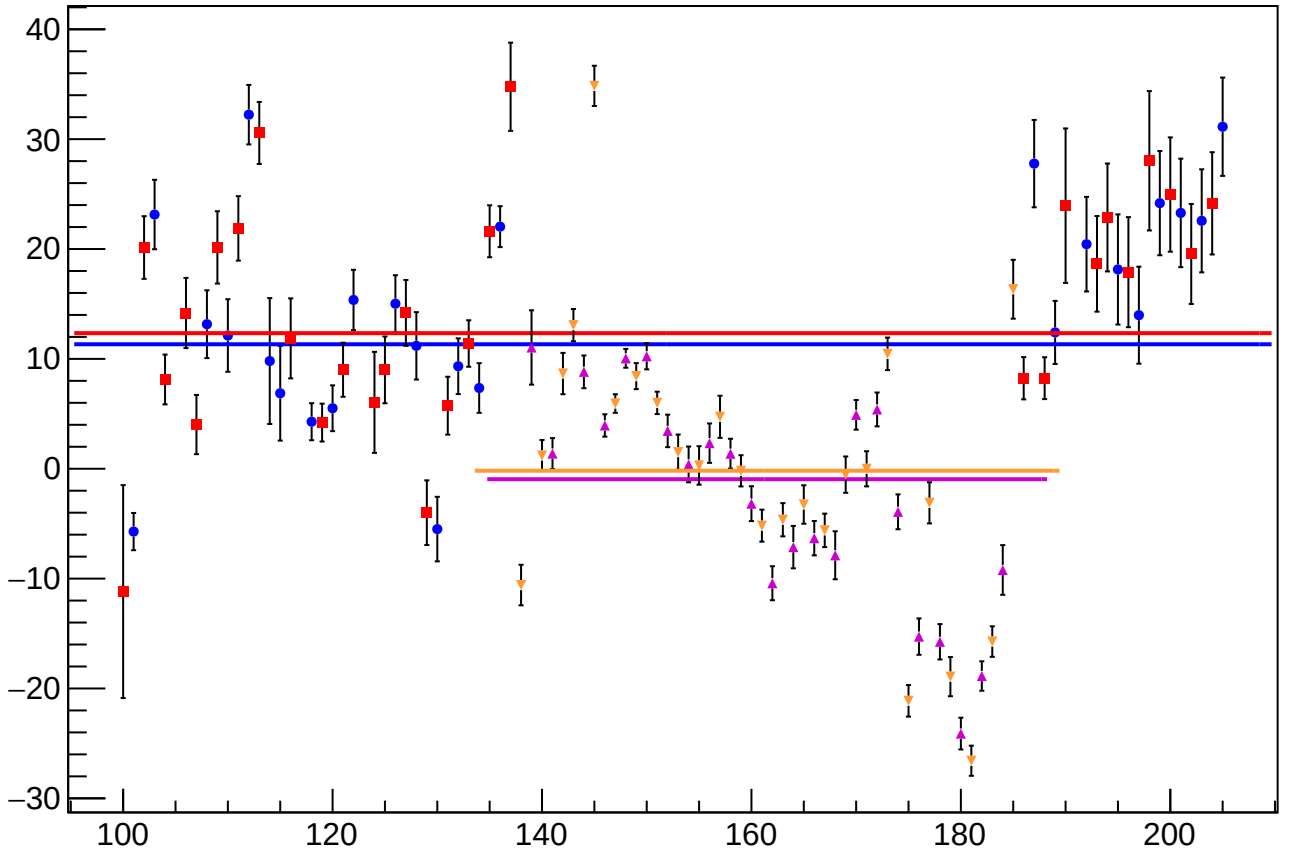
Left: -56.001+/-0.282 χ^2/NDF: 7880.0/47

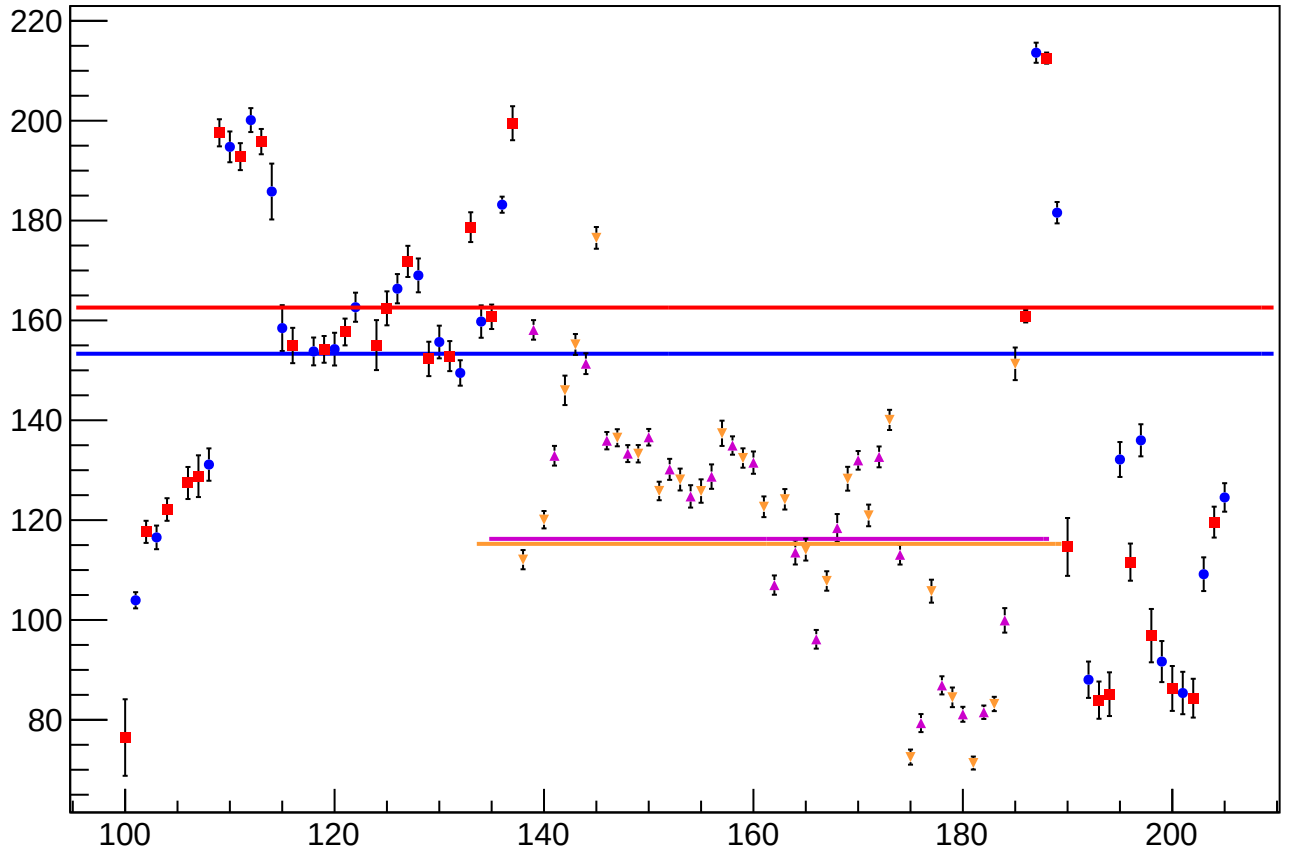
Right: -85.367+/-0.363 χ^2/NDF: 7663.4/53

In: -65.679+/-0.322 χ^2/NDF:7764.9/47

Out: -68.258+/-0.308 χ^2/NDF:11824.8/53

All: -67.027+/-0.223 χ^2/NDF: 19623.1/101


reg_asym_usr_diff_bpm4aY_slope vs Slug, Sign Corrected
40
30
20
10
0
−10
−20
−30
100
120
140
160
180
200
Right In: 11.330+/-0.568 χ²/NDF: 337.8/24
Left Out: -0.179+/-0.294 χ²/NDF:1598.6/24
Right Out: 12.342+/-0.549 χ²/NDF: 236.8/28
Left In: -0.952+/-0.304 χ²/NDF:1069.6/22
Left: -0.553+/-0.211 χ²/NDF: 2671.5/47
Right: 11.854+/-0.395 χ²/NDF: 576.3/53
In: 1.785+/-0.268 χ²/NDF:1771.0/47
Out: 2.616+/-0.259 χ²/NDF:2240.0/53
All: 2.215+/-0.186 χ²/NDF: 4015.9/101



Right In: 153.327+/-0.548 χ^2/NDF: 4426.7/24

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 162.576+/-0.495 χ^2/NDF: 5780.1/28

Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

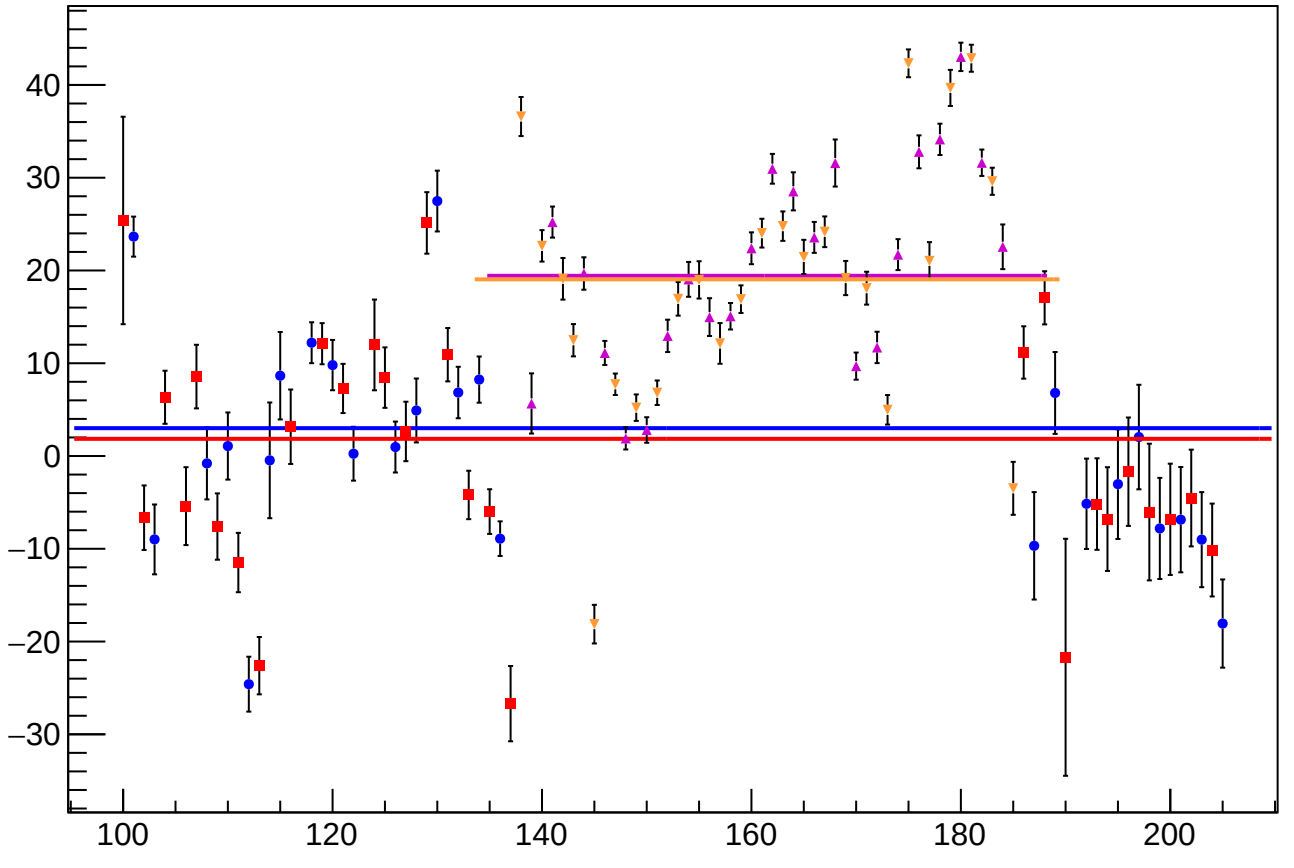
Left: 115.733+/-0.279 χ^2/NDF: 8477.1/47

Right: 158.422+/-0.367 χ^2/NDF: 10363.6/53

In: 129.094+/-0.323 χ^2/NDF:11053.9/47

Out: 133.392+/-0.307 χ^2/NDF:16254.6/53

All: 131.353+/-0.222 χ^2/NDF: 27401.8/101



Right In: 3.002+/-0.661 χ^2/NDF: 361.5/24

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.852+/-0.653 χ^2/NDF: 323.2/28

Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

Left: 19.230+/-0.241 χ^2/NDF: 2623.6/47

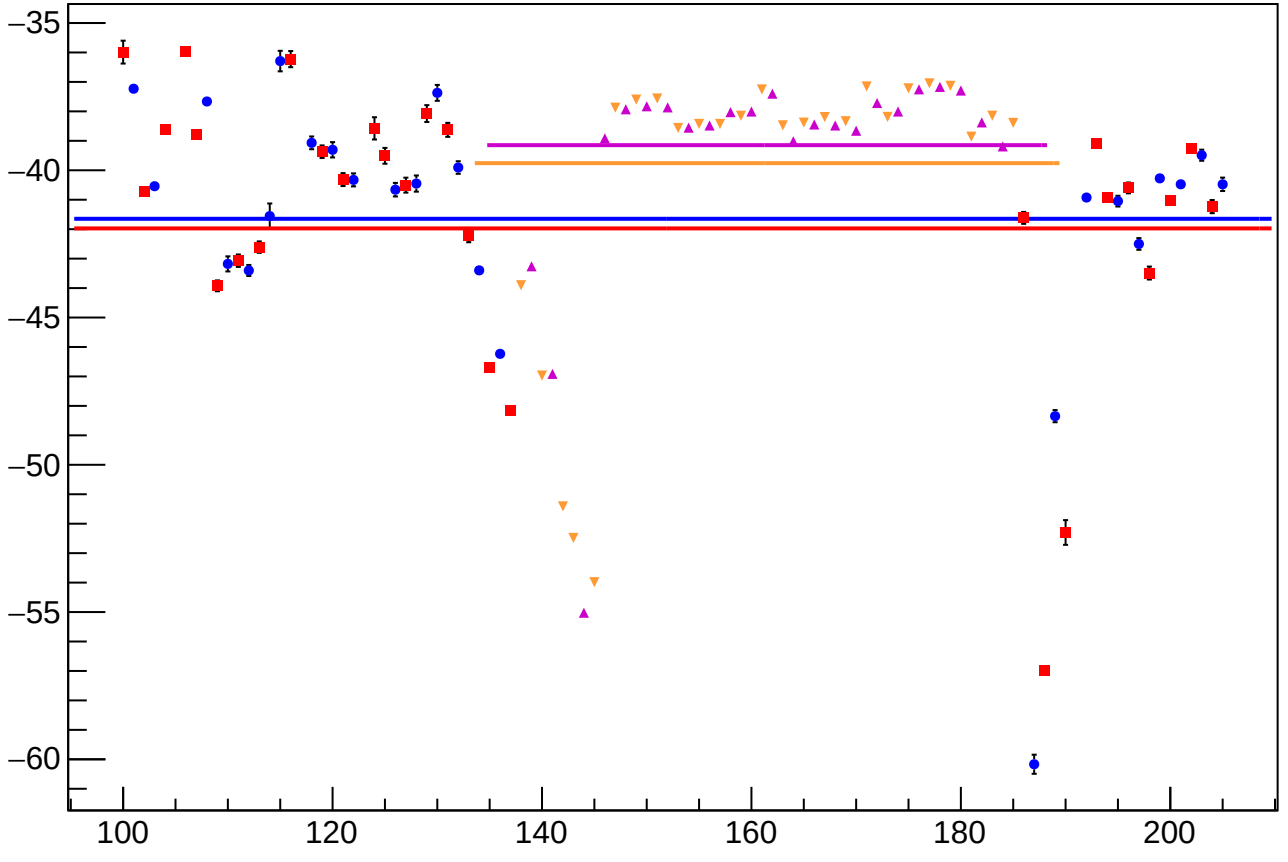
Right: 2.420+/-0.464 χ^2/NDF: 686.3/53

In: 15.894+/-0.306 χ^2/NDF:1924.0/47

Out: 15.442+/-0.299 χ^2/NDF:2417.4/53

All: 15.662+/-0.214 χ^2/NDF: 4342.5/101

reg_asym_usr_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -41.647+/-0.033 χ^2/NDF: 12584.3/24

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.974+/-0.033 χ^2/NDF: 19459.4/28

Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

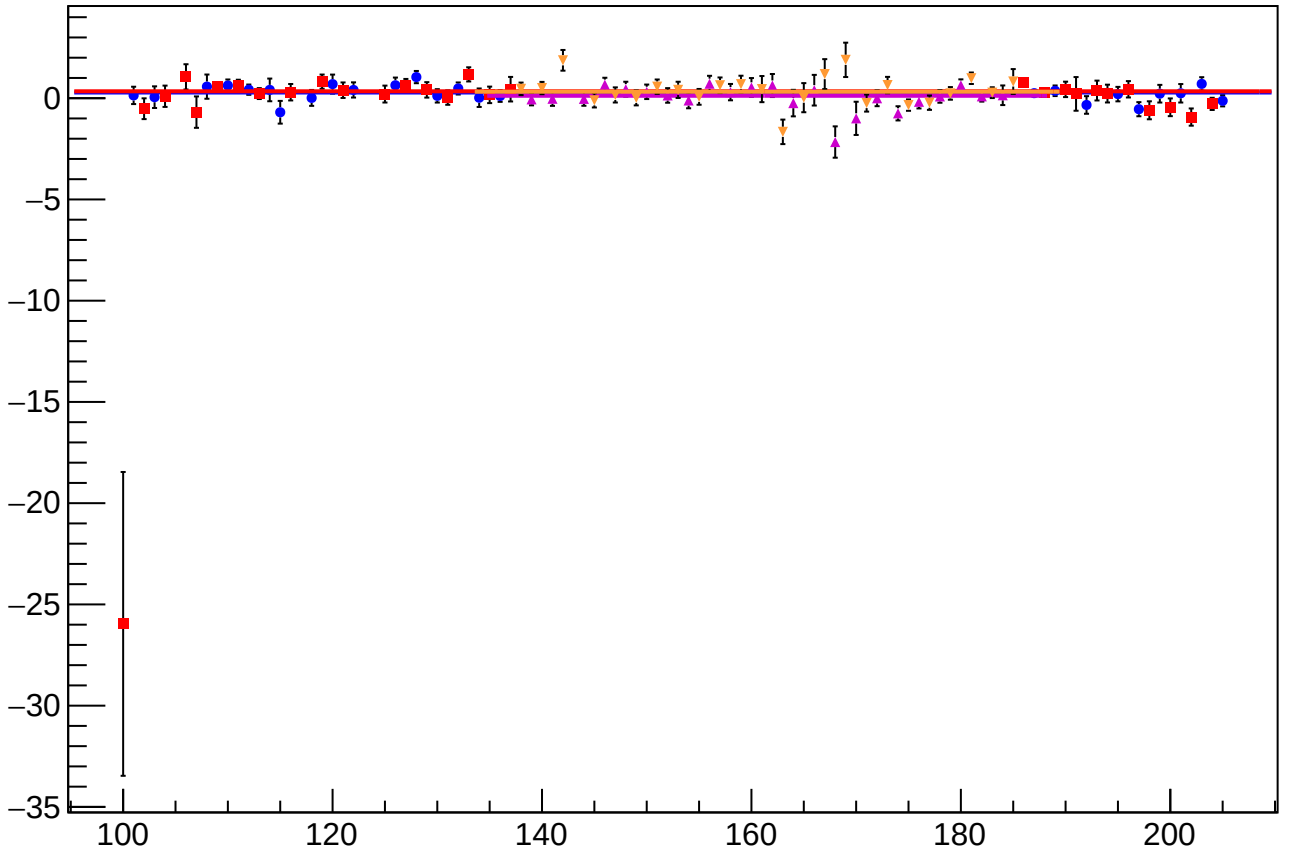
Left: -39.456+/-0.011 χ^2/NDF: 129547.1/47

Right: -41.810+/-0.023 χ^2/NDF: 32094.2/53

In: -39.616+/-0.014 χ^2/NDF:64297.2/47

Out: -40.165+/-0.014 χ^2/NDF:105106.0/53

All: -39.893+/-0.010 χ^2/NDF: 170171.3/101



Right In: 0.281+/-0.070 χ^2/NDF: 26.8/24

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.341+/-0.061 χ^2/NDF: 57.9/28

Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

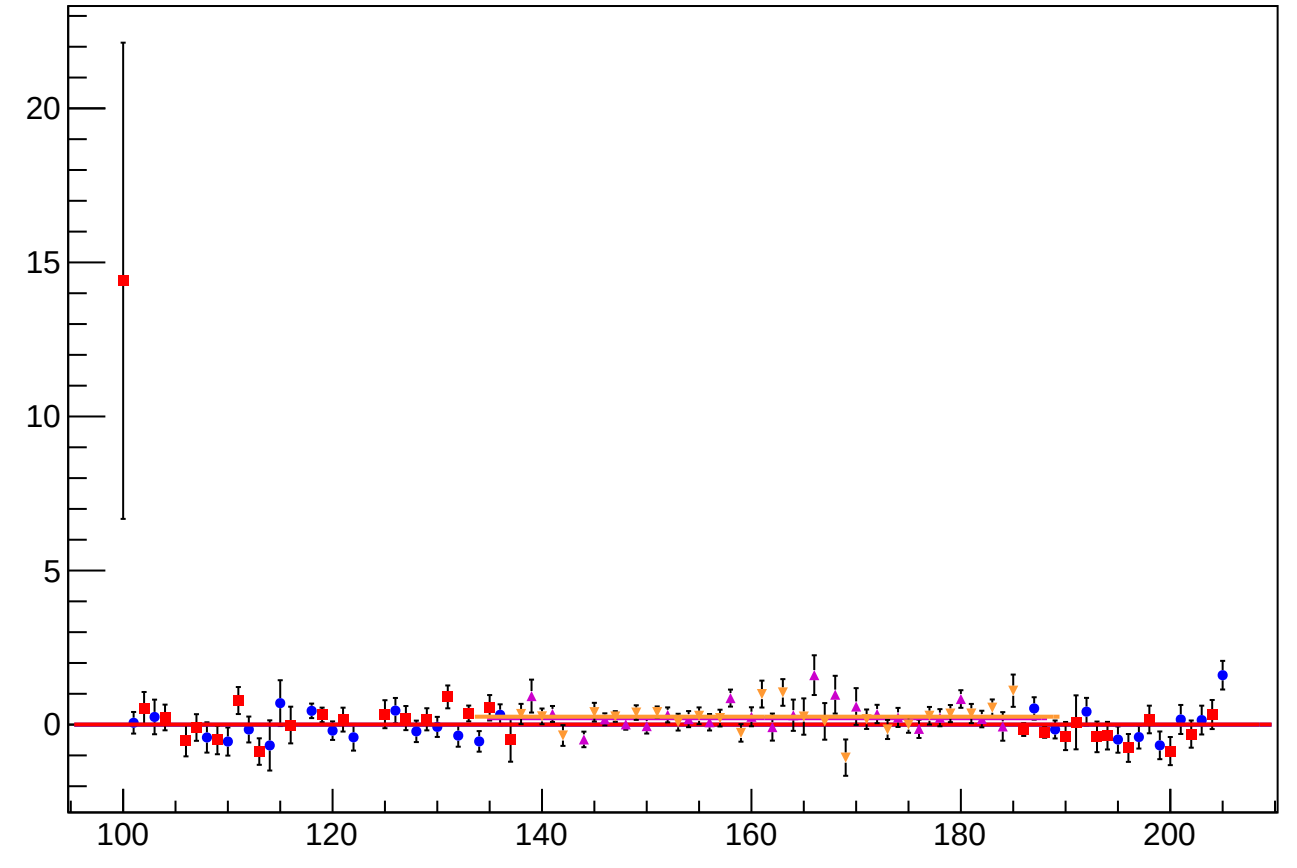
Left: 0.222+/-0.056 χ^2/NDF: 80.1/46

Right: 0.315+/-0.046 χ^2/NDF: 85.2/53

In: 0.211+/-0.052 χ^2/NDF:59.1/47

Out: 0.334+/-0.048 χ^2/NDF:104.9/52

All: 0.278+/-0.035 χ^2/NDF: 166.9/100



Right In: -0.004+/-0.077 χ^2/NDF: 35.3/24

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.003+/-0.070 χ^2/NDF: 39.1/28

Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

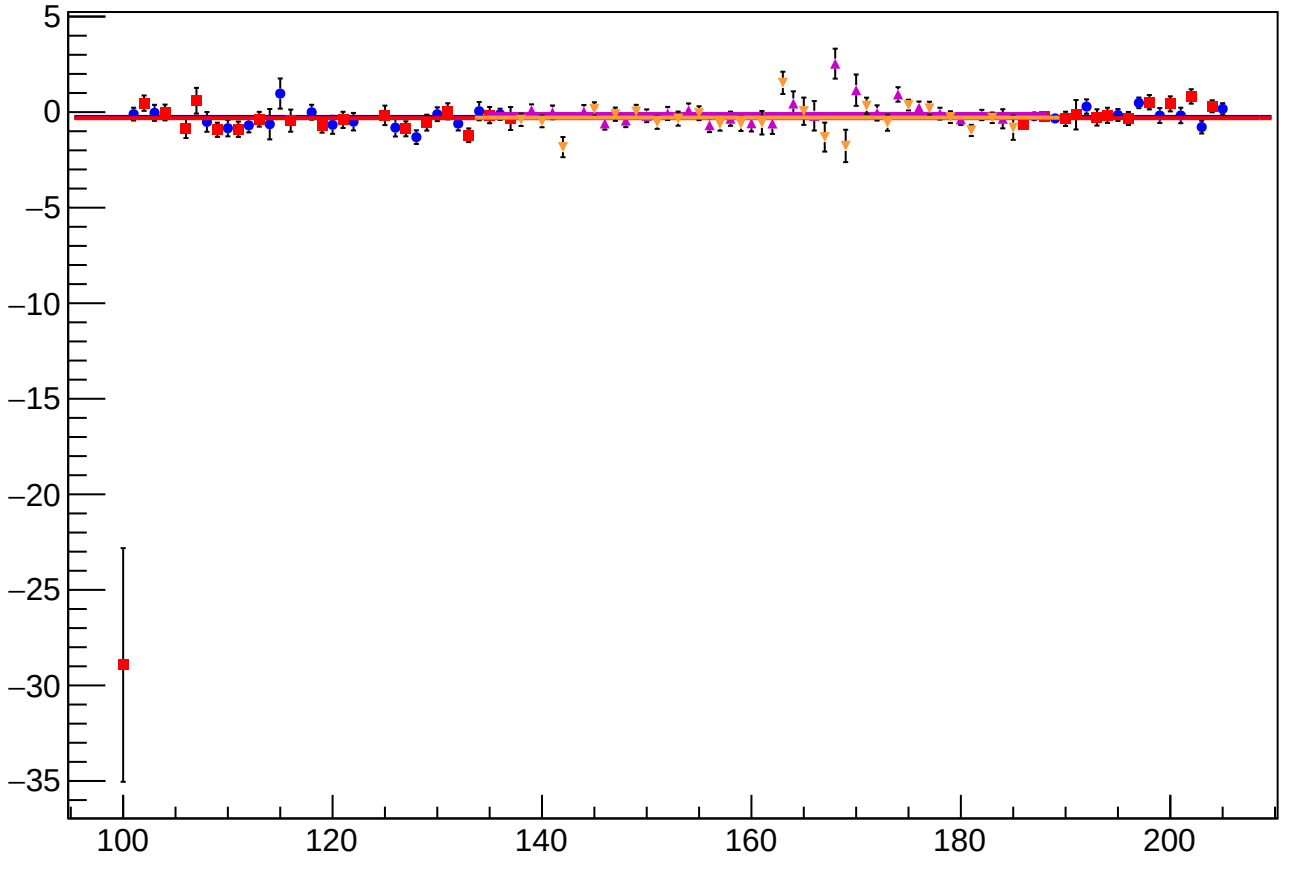
Left: 0.232+/-0.042 χ^2/NDF: 58.7/46

Right: 0.000+/-0.052 χ^2/NDF: 74.4/53

In: 0.127+/-0.048 χ^2/NDF:71.8/47

Out: 0.151+/-0.045 χ^2/NDF:73.2/52

All: 0.140+/-0.033 χ^2/NDF: 145.2/100



Right In: -0.250+/-0.069 χ^2/NDF: 33.9/24

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.317+/-0.058 χ^2/NDF: 72.6/28

Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

Left: -0.194+/-0.055 χ^2/NDF: 81.1/46

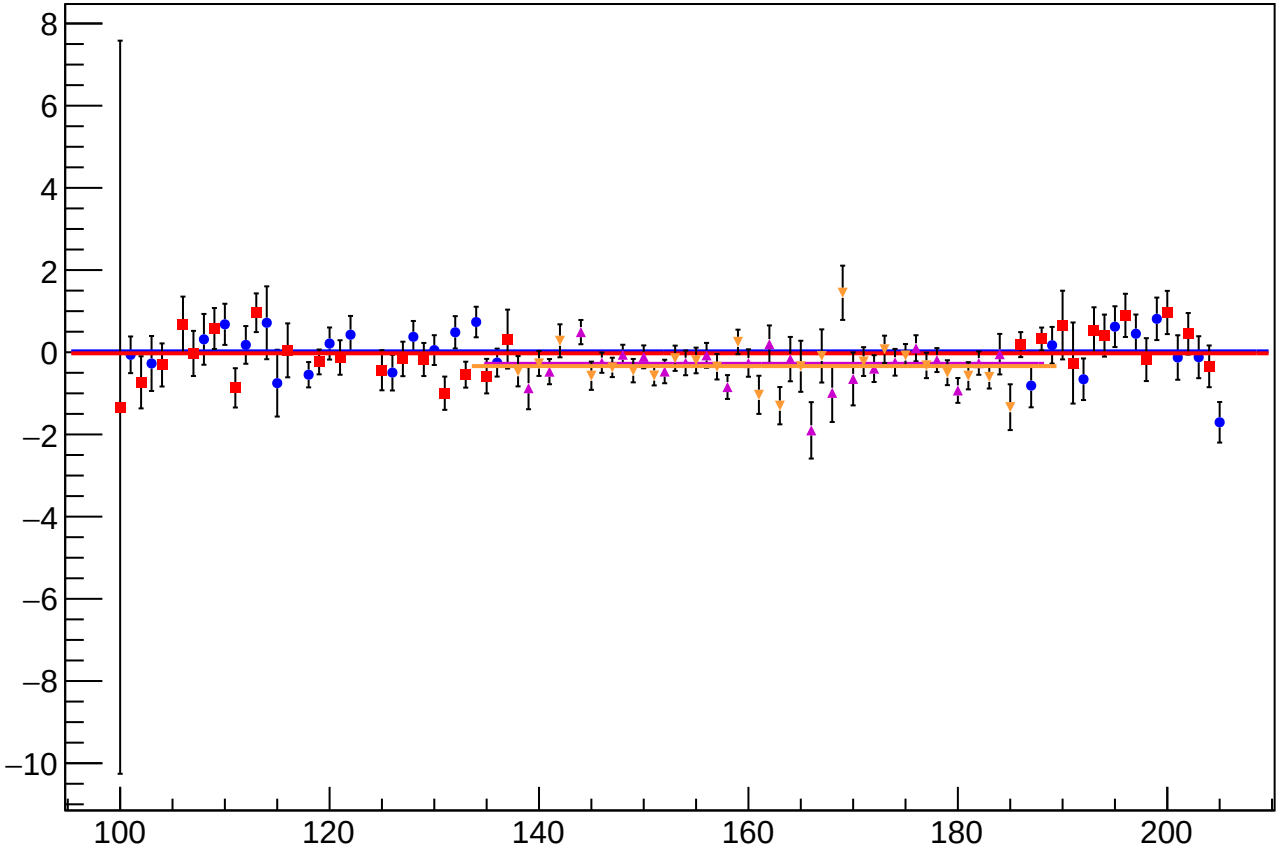
Right: -0.289+/-0.044 χ^2/NDF: 107.0/53

In: -0.184+/-0.052 χ^2/NDF:69.2/47

Out: -0.306+/-0.046 χ^2/NDF:117.7/52

All: -0.252+/-0.035 χ^2/NDF: 190.0/100

reg_asym_dsl_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 0.021+/-0.091 χ^2/NDF: 37.7/24

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.026+/-0.086 χ^2/NDF: 36.0/28

Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

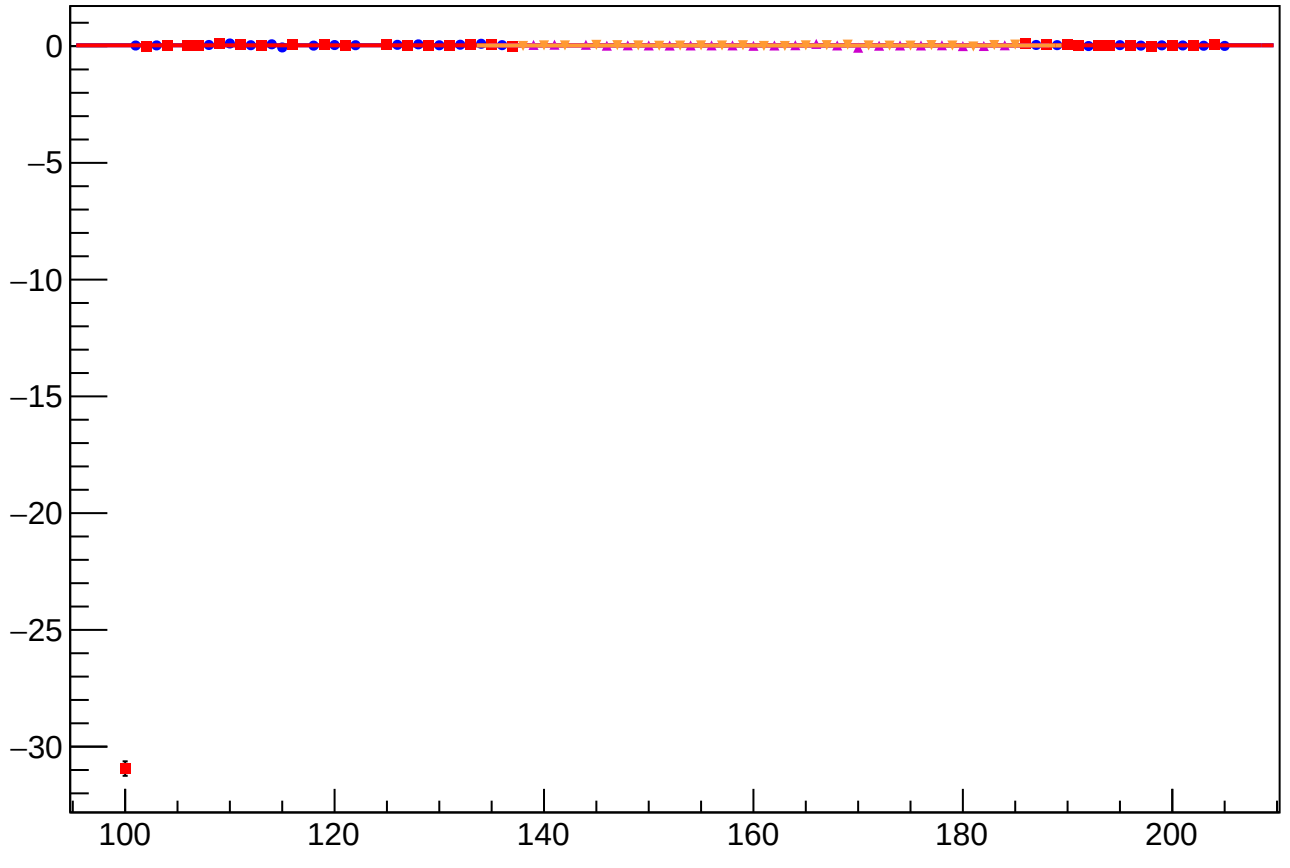
Left: -0.310+/-0.048 χ^2/NDF: 59.4/46

Right: -0.003+/-0.062 χ^2/NDF: 73.8/53

In: -0.171+/-0.055 χ^2/NDF:73.8/47

Out: -0.217+/-0.053 χ^2/NDF:74.1/52

All: -0.195+/-0.038 χ^2/NDF: 148.3/100



Right In: 0.037+/-0.004 χ^2/NDF: 31.6/24

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.033+/-0.004 χ^2/NDF: 10049.8/28

Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

Left: 0.029+/-0.002 χ^2/NDF: 66.6/46

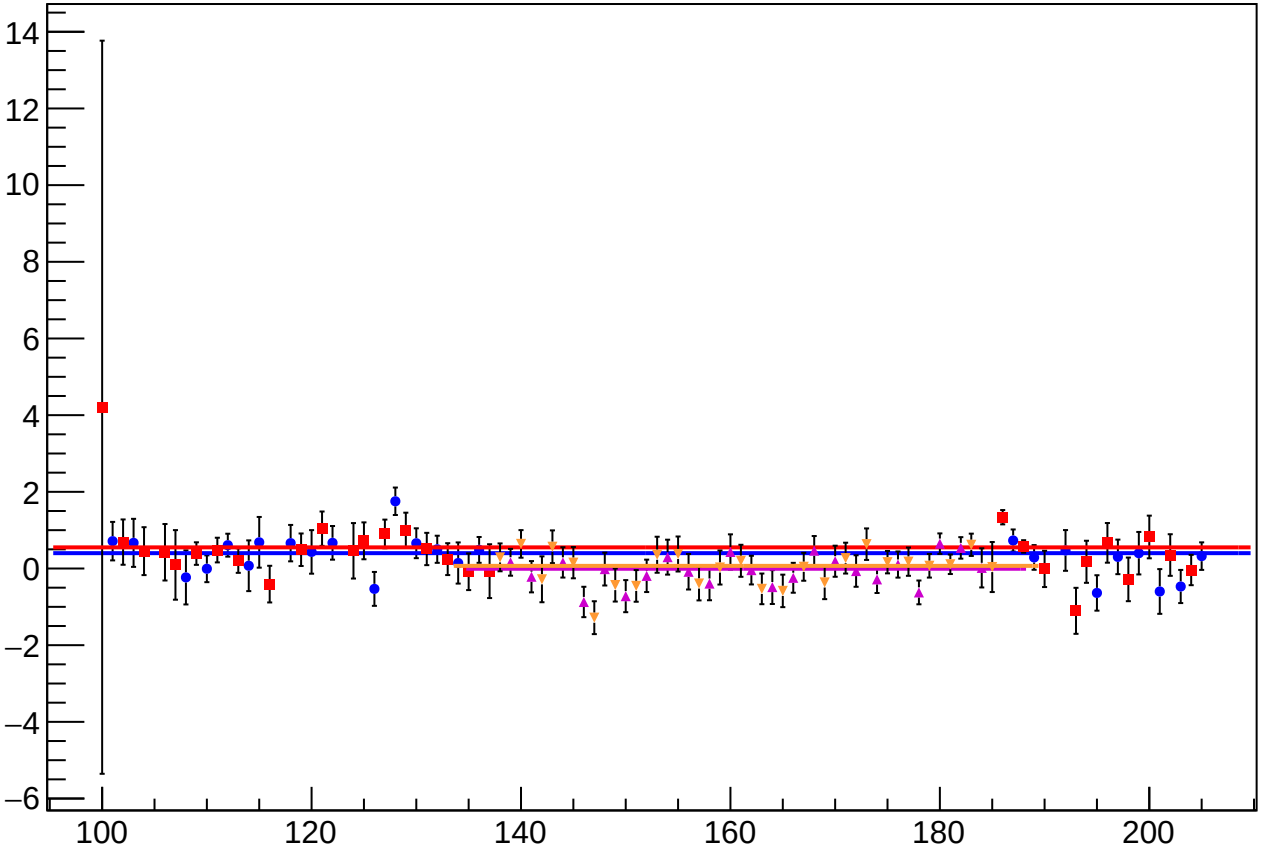
Right: 0.035+/-0.003 χ^2/NDF: 10081.7/53

In: 0.032+/-0.002 χ^2/NDF:72.3/47

Out: 0.030+/-0.002 χ^2/NDF:10078.4/52

All: 0.031+/-0.002 χ^2/NDF: 10151.0/100

reg_asym_dsr_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.400+/-0.085 χ^2/NDF: 37.5/24

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.551+/-0.073 χ^2/NDF: 44.4/28

Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

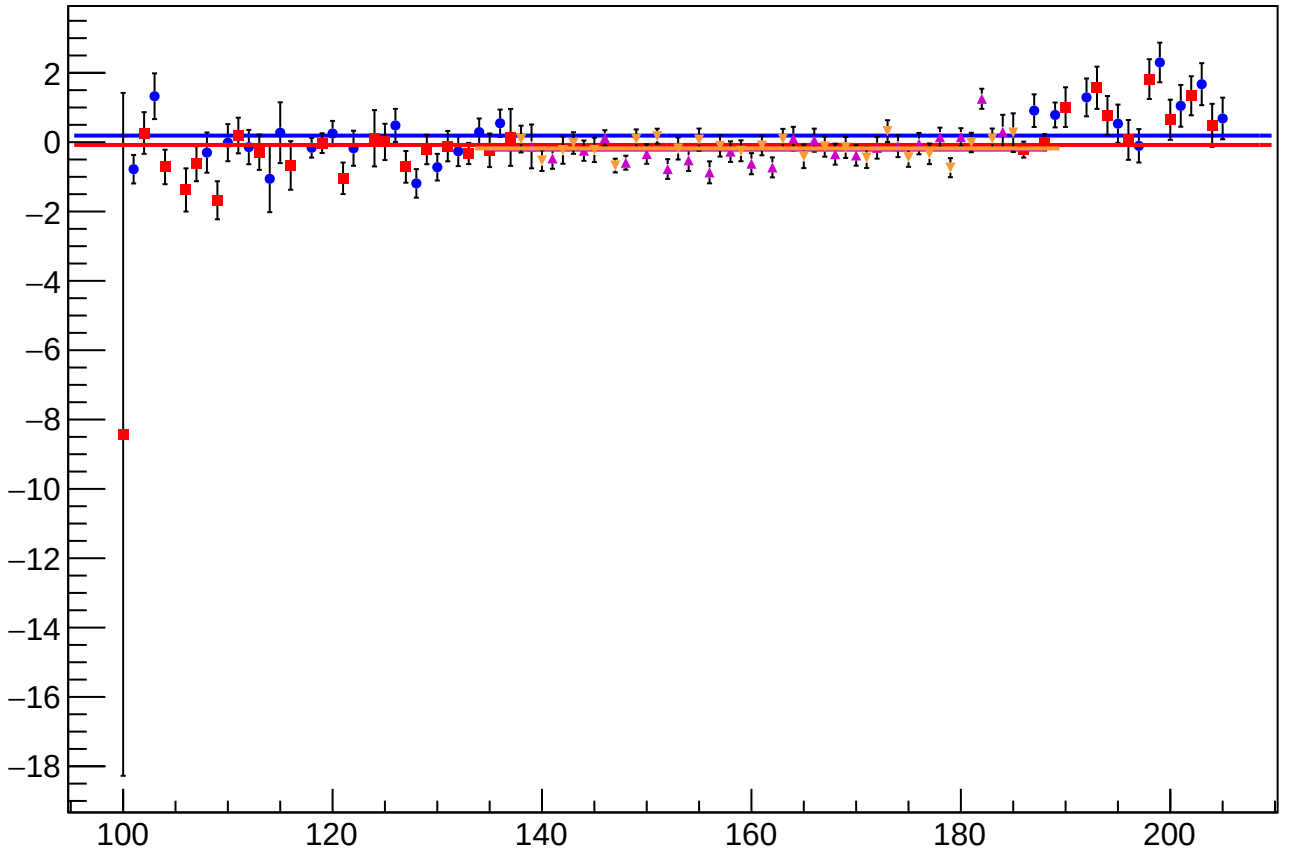
Left: 0.032+/-0.055 χ^2/NDF: 60.1/47

Right: 0.487+/-0.055 χ^2/NDF: 83.7/53

In: 0.184+/-0.058 χ^2/NDF:78.2/47

Out: 0.324+/-0.053 χ^2/NDF:96.2/53

All: 0.260+/-0.039 χ^2/NDF: 177.5/101



Right In: 0.189+/-0.093 χ^2/NDF: 65.0/24

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.080+/-0.084 χ^2/NDF: 58.7/28

Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

Left: -0.197+/-0.043 χ^2/NDF: 78.5/47

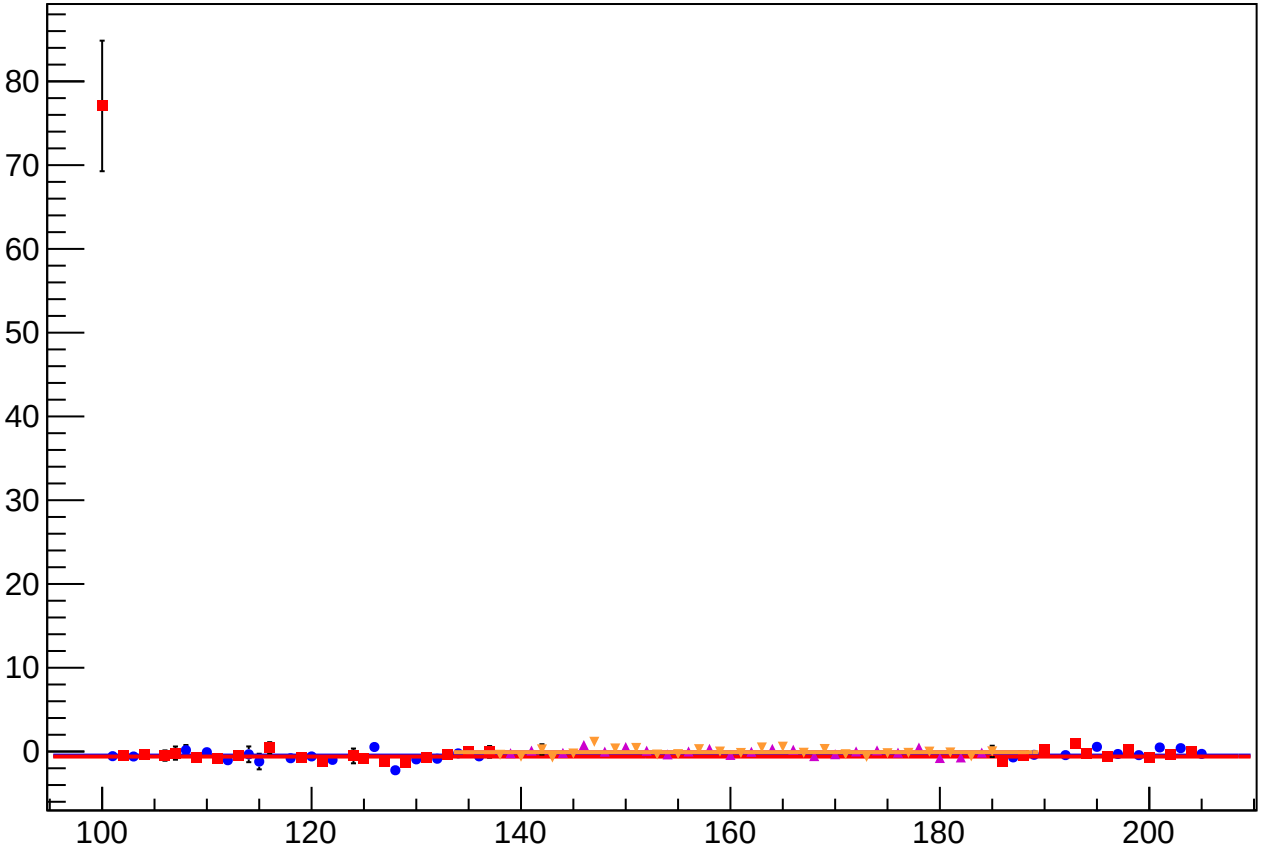
Right: 0.041+/-0.062 χ^2/NDF: 128.3/53

In: -0.093+/-0.051 χ^2/NDF:131.7/47

Out: -0.147+/-0.048 χ^2/NDF:84.4/53

All: -0.121+/-0.035 χ^2/NDF: 216.7/101

reg_asym_dsr_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.485+/-0.085 χ^2/NDF: 44.3/24

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.601+/-0.070 χ^2/NDF: 142.7/28

Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

Left: -0.076+/-0.055 χ^2/NDF: 58.3/47

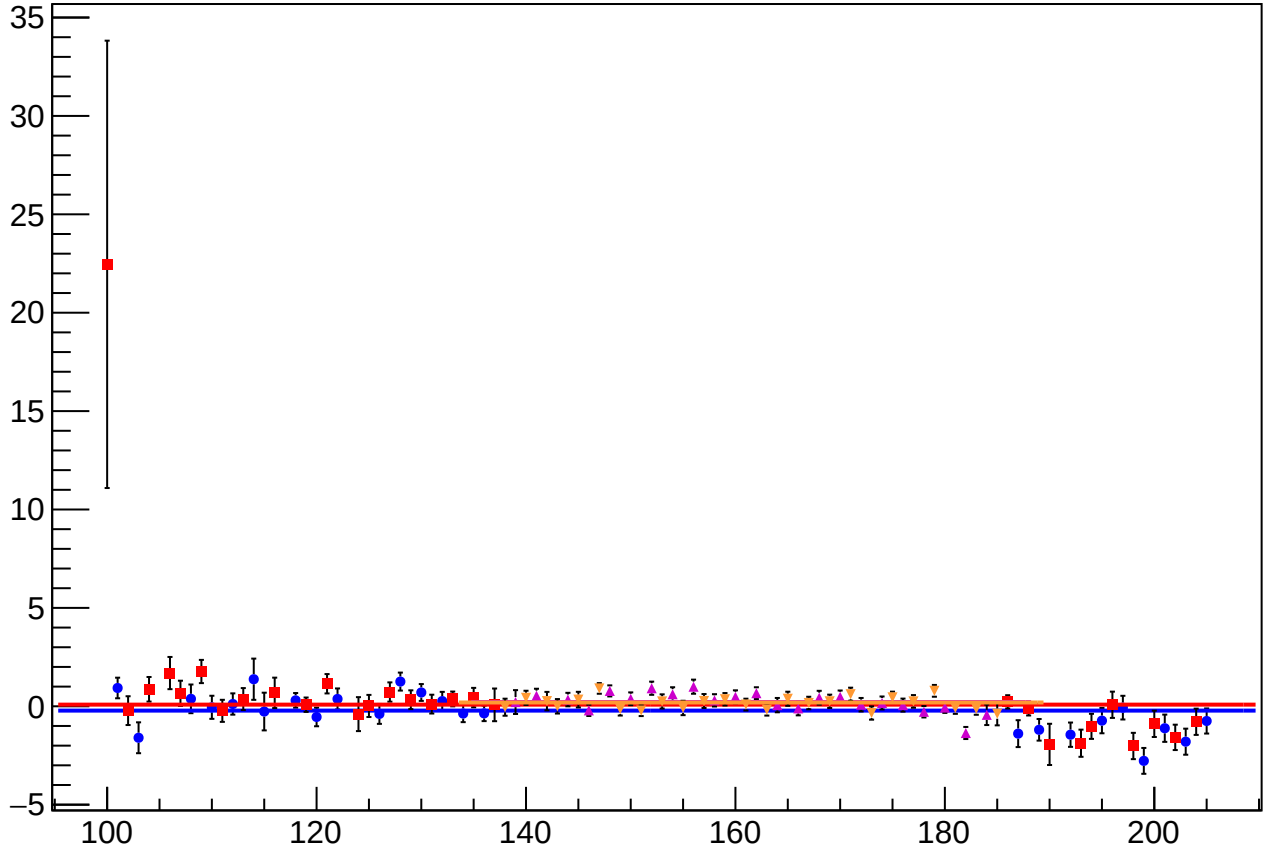
Right: -0.555+/-0.054 χ^2/NDF: 188.1/53

In: -0.264+/-0.058 χ^2/NDF:85.1/47

Out: -0.365+/-0.052 χ^2/NDF:198.3/53

All: -0.320+/-0.038 χ^2/NDF: 285.1/101

reg_asym_dsr_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.219+/-0.109 χ^2/NDF: 65.4/24

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.084+/-0.103 χ^2/NDF: 63.4/28

Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

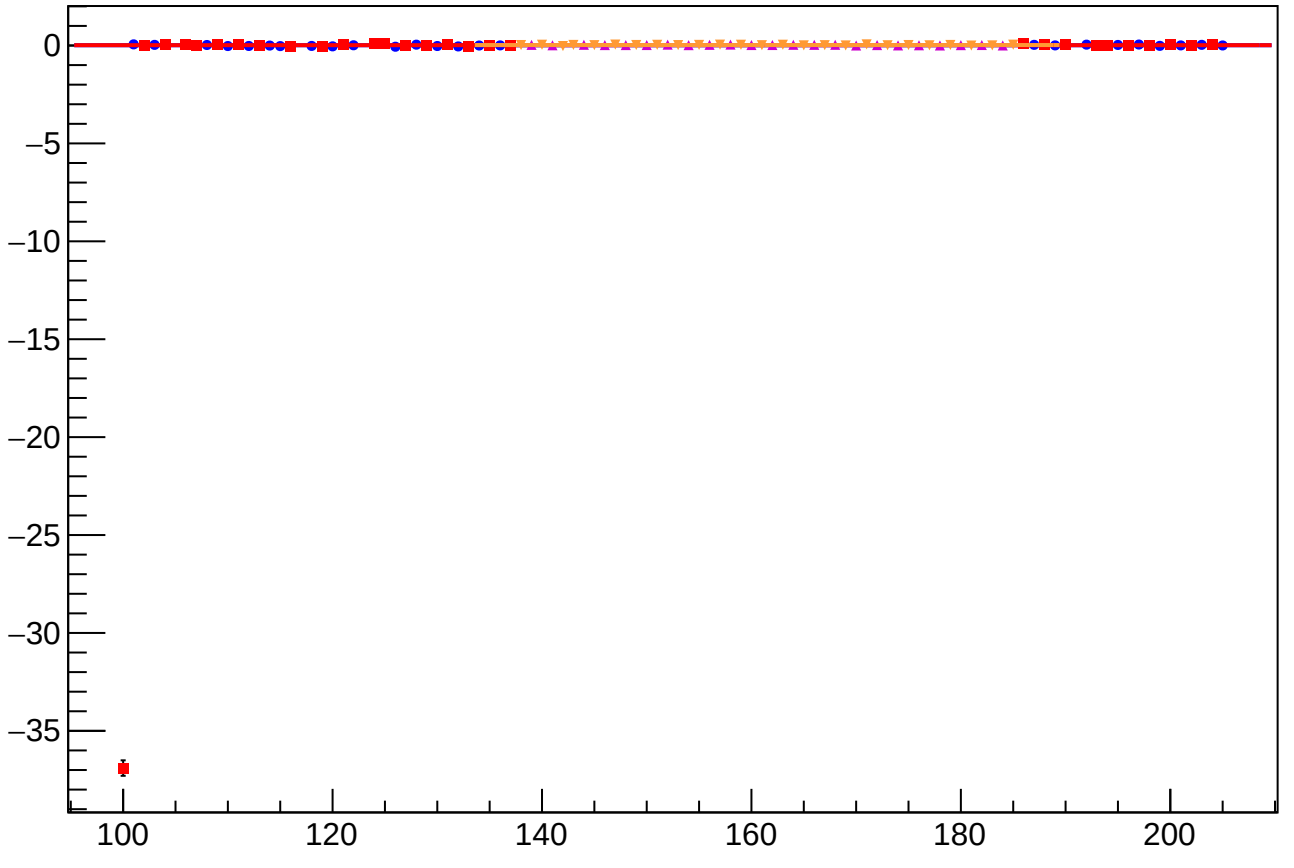
Left: 0.204+/-0.048 χ^2/NDF: 81.0/47

Right: -0.058+/-0.075 χ^2/NDF: 132.8/53

In: 0.091+/-0.058 χ^2/NDF:131.7/47

Out: 0.161+/-0.056 χ^2/NDF:90.0/53

All: 0.127+/-0.040 χ^2/NDF: 222.5/101



Right In: 0.013+/-0.005 χ^2/NDF: 28.7/24

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.017+/-0.005 χ^2/NDF: 8777.9/28

Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

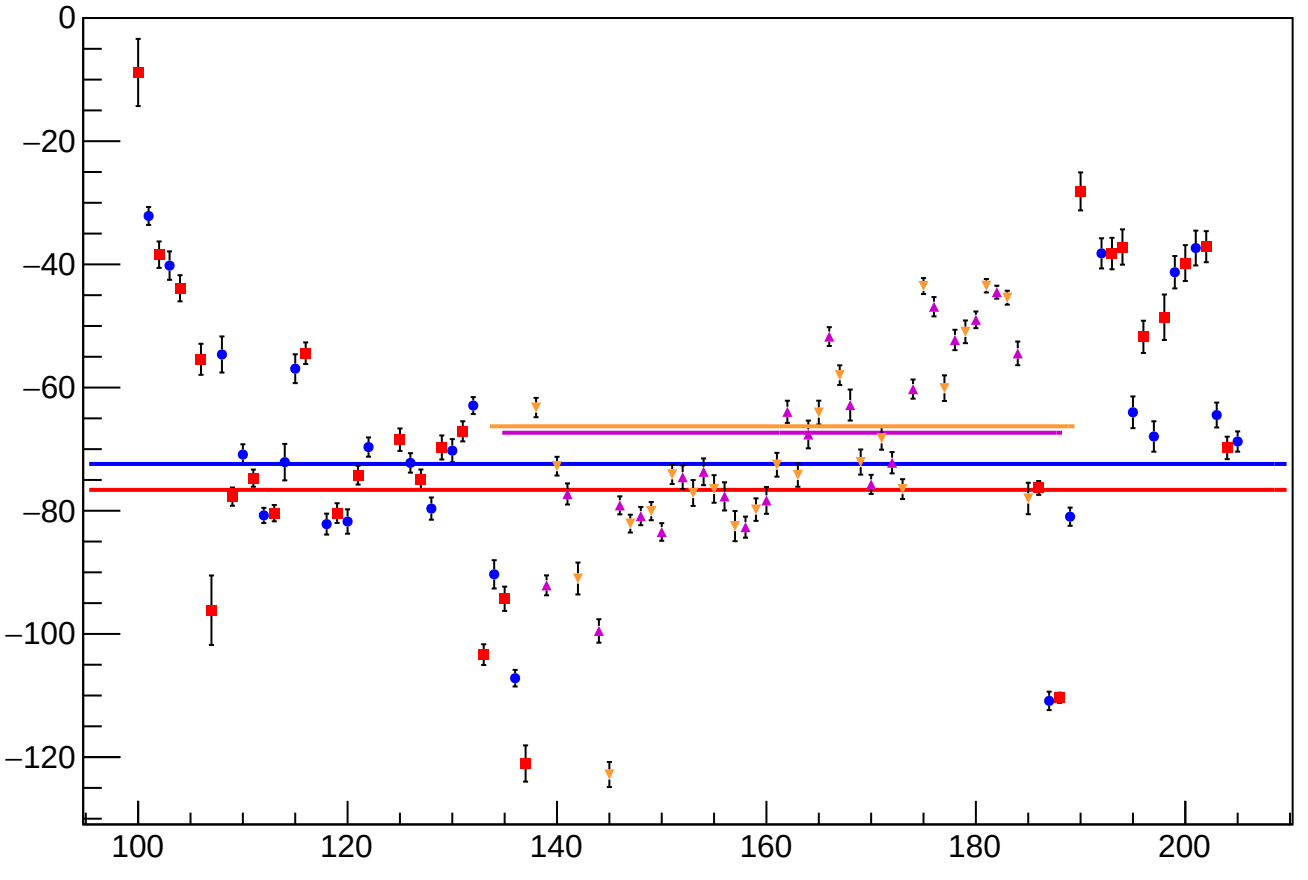
Left: 0.024+/-0.002 χ^2/NDF: 48.2/47

Right: 0.015+/-0.004 χ^2/NDF: 8806.8/53

In: 0.021+/-0.003 χ^2/NDF:50.0/47

Out: 0.022+/-0.003 χ^2/NDF:8809.8/53

All: 0.022+/-0.002 χ^2/NDF: 8859.8/101



Right In: -72.402+/-0.362 χ^2/NDF: 3155.3/24

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.608+/-0.337 χ^2/NDF: 4490.7/27

Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

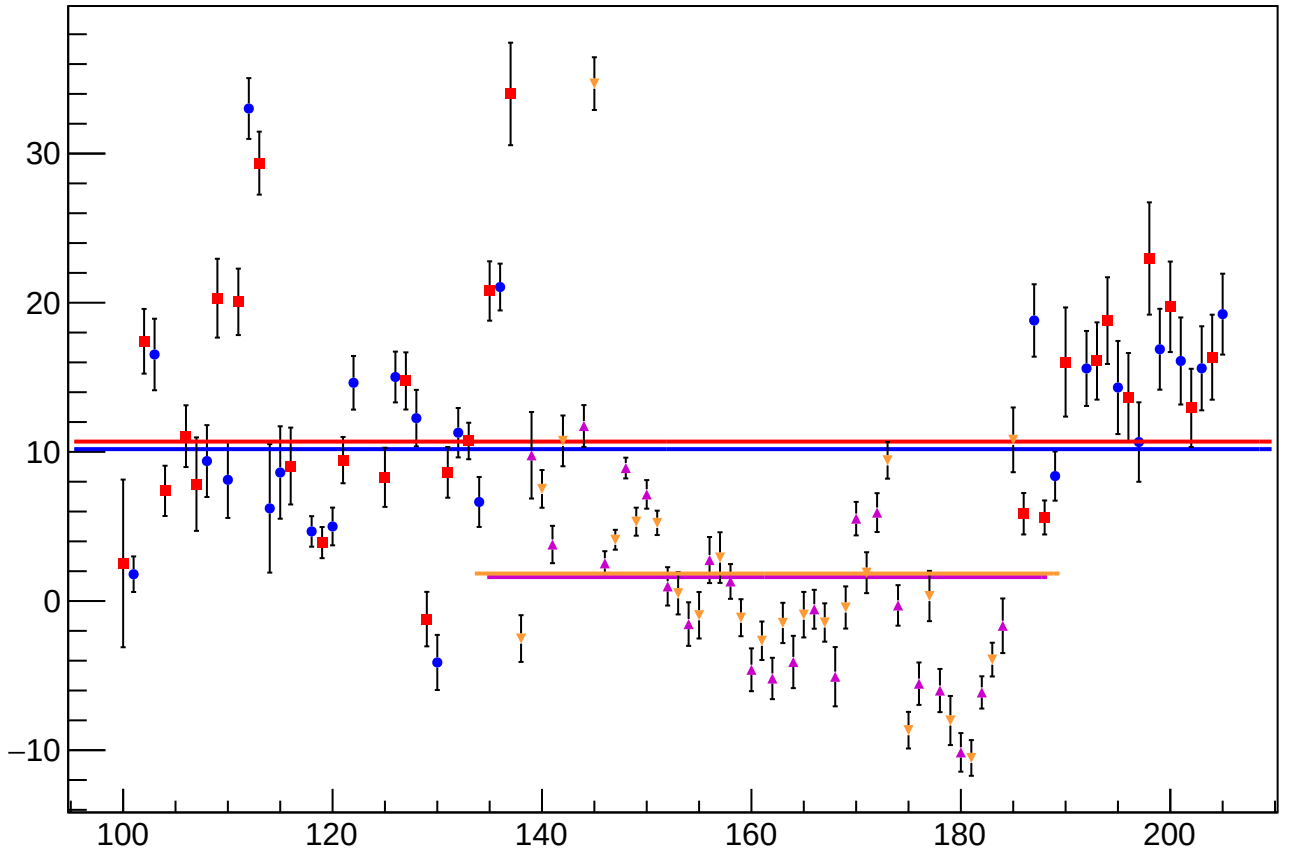
Left: -66.808+/-0.244 χ^2/NDF: 4657.6/46

Right: -74.658+/-0.247 χ^2/NDF: 7718.4/52

In: -69.745+/-0.250 χ^2/NDF:5360.7/47

Out: -71.557+/-0.241 χ^2/NDF:7501.0/51

All: -70.685+/-0.173 χ^2/NDF: 12889.1/99



Right In: 10.184+/-0.378 χ^2/NDF: 403.1/24

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.690+/-0.369 χ^2/NDF: 361.9/27

Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

Left: 1.726+/-0.181 χ^2/NDF: 1278.5/46

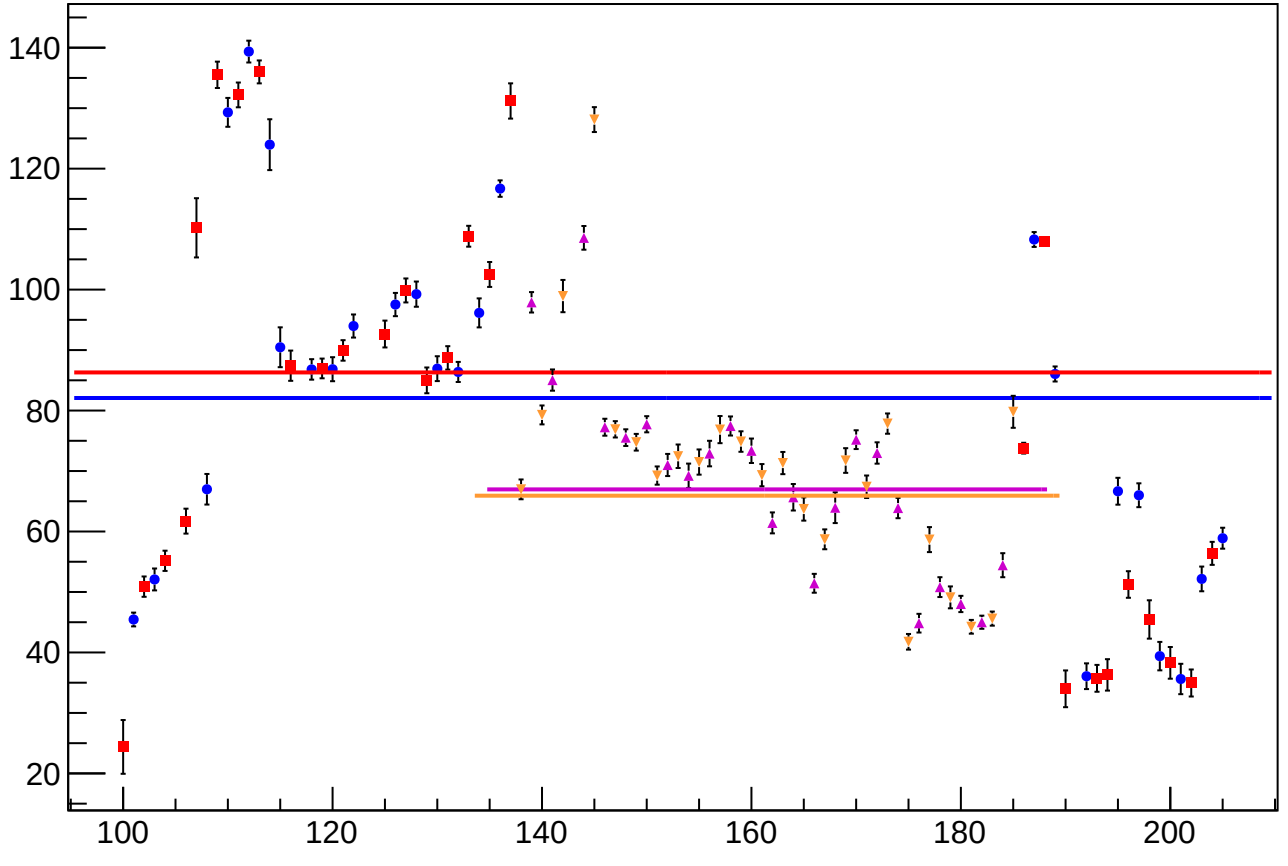
Right: 10.443+/-0.264 χ^2/NDF: 766.0/52

In: 4.334+/-0.213 χ^2/NDF:1250.4/47

Out: 4.696+/-0.209 χ^2/NDF:1533.4/51

All: 4.518+/-0.149 χ^2/NDF: 2785.2/99

reg_asym_us_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 82.076+/-0.366 χ^2/NDF: 5841.1/24

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 86.303+/-0.330 χ^2/NDF: 7351.6/27

Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

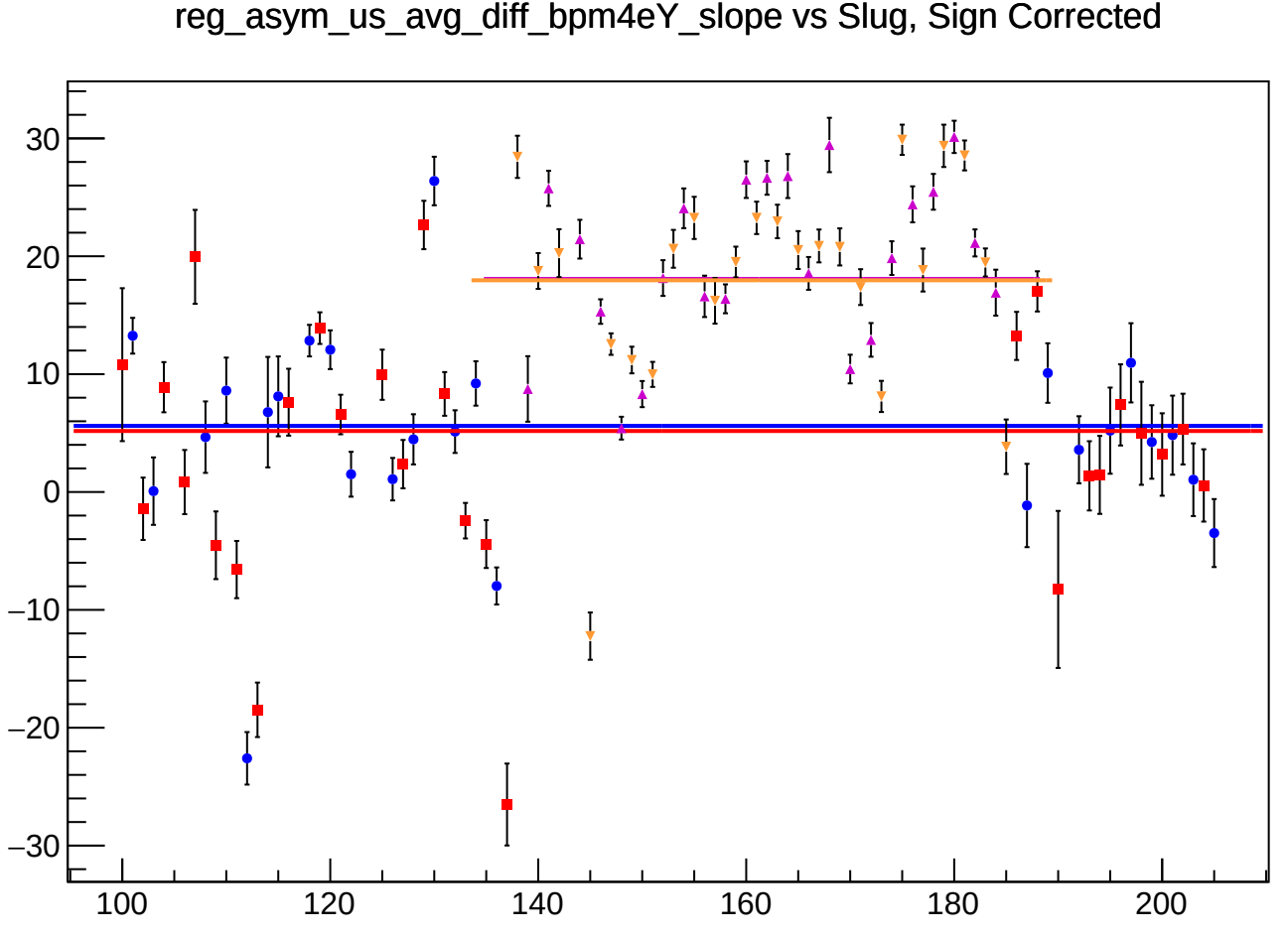
Left: 66.442+/-0.241 χ^2/NDF: 4781.6/46

Right: 84.408+/-0.245 χ^2/NDF: 13266.2/52

In: 73.987+/-0.250 χ^2/NDF:8974.0/47

Out: 76.431+/-0.237 χ^2/NDF:11754.1/51

All: 75.272+/-0.172 χ^2/NDF: 20778.5/99



Right In: 5.609+/-0.446 χ^2/NDF: 449.5/24

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.175+/-0.443 χ^2/NDF: 496.7/27

Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

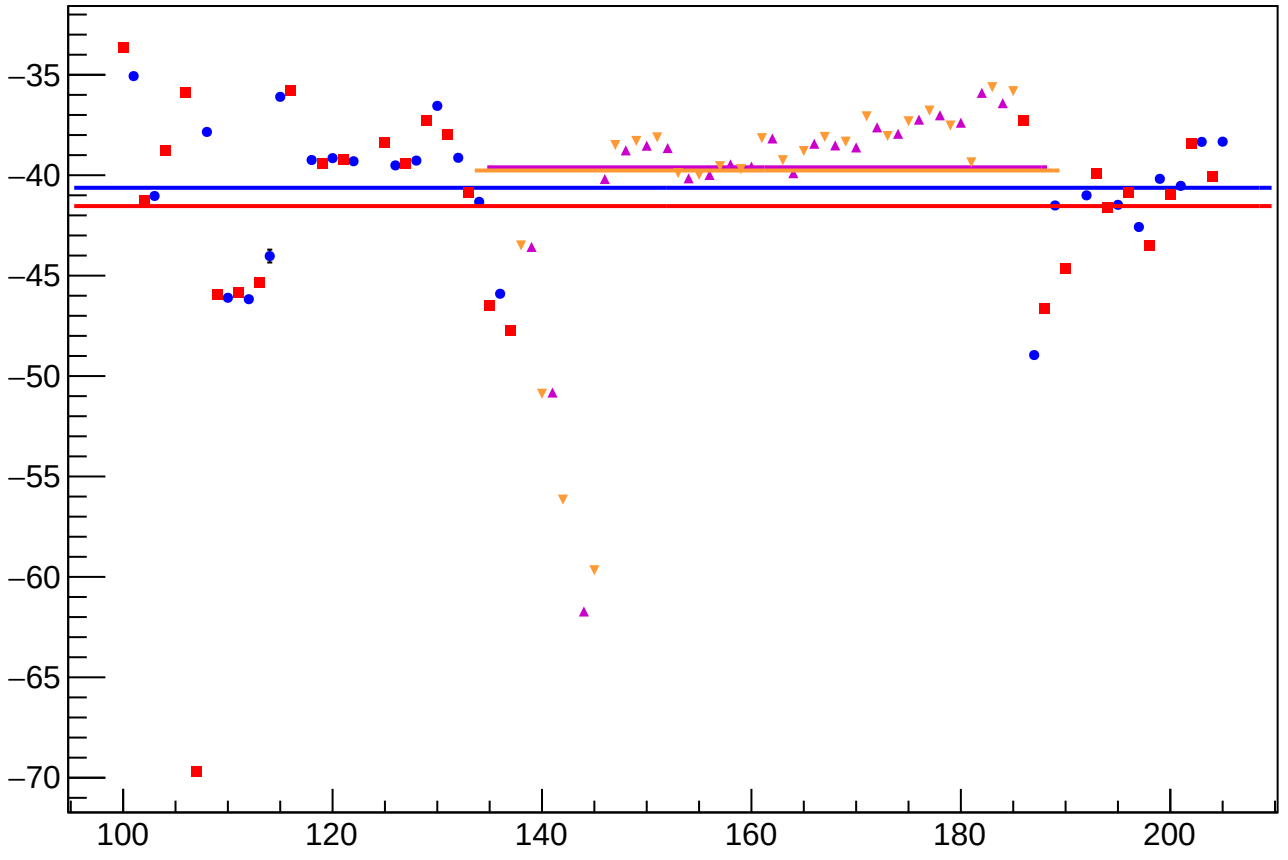
Left: 18.020+/-0.207 χ^2/NDF: 1337.2/46

Right: 5.390+/-0.314 χ^2/NDF: 946.7/52

In: 14.287+/-0.246 χ^2/NDF:1598.6/47

Out: 14.089+/-0.244 χ^2/NDF:1810.1/51

All: 14.187+/-0.173 χ^2/NDF: 3409.0/99



Right In: -40.626+/-0.022 χ^2/NDF: 21080.7/24

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.537+/-0.022 χ^2/NDF: 43270.0/27

Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

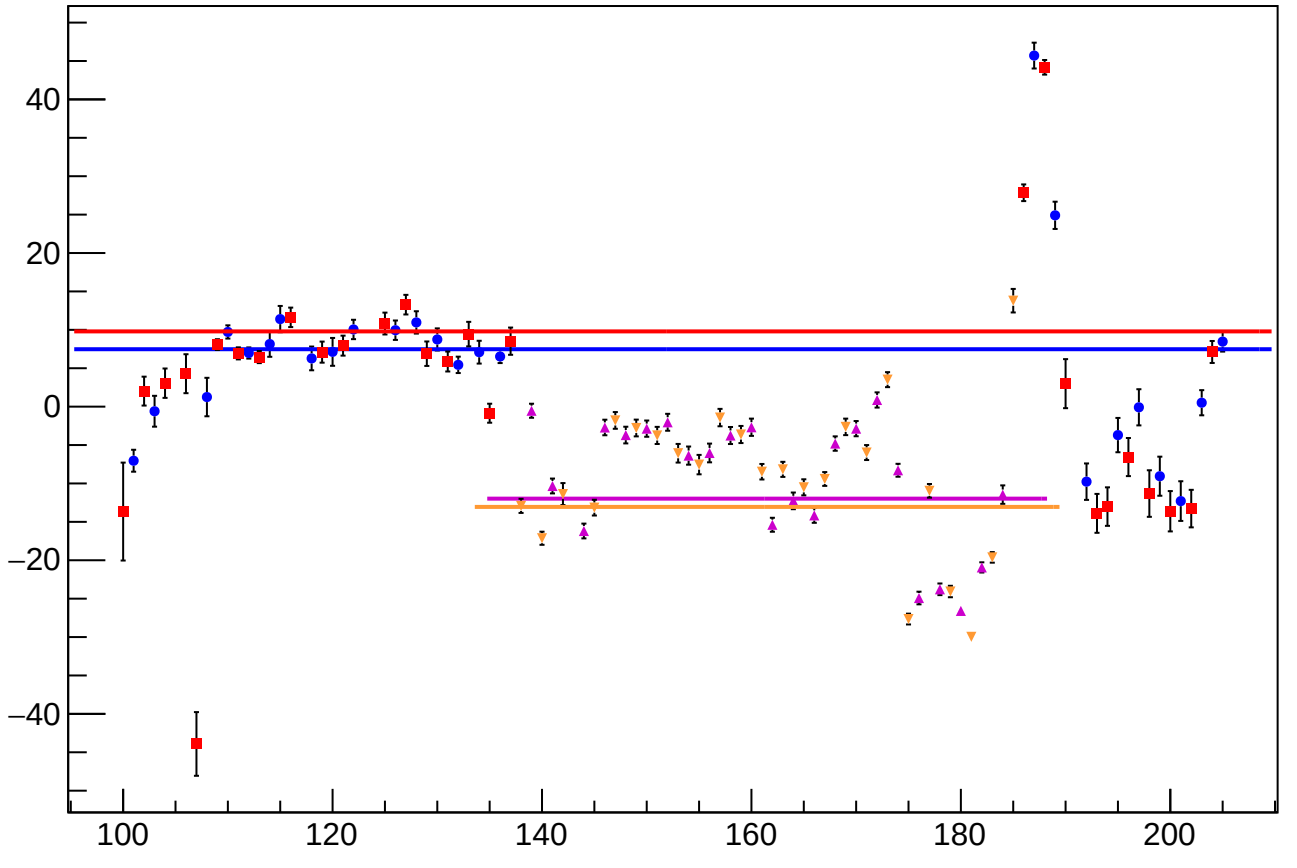
Left: -39.685+/-0.009 χ^2/NDF: 236604.6/46

Right: -41.085+/-0.016 χ^2/NDF: 65187.2/52

In: -39.875+/-0.011 χ^2/NDF:129249.7/47

Out: -40.242+/-0.012 χ^2/NDF:177823.0/51

All: -40.058+/-0.008 χ^2/NDF: 307583.3/99



Right In: 7.475+/-0.278 χ^2/NDF: 979.7/24

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.796+/-0.261 χ^2/NDF: 2379.0/27

Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

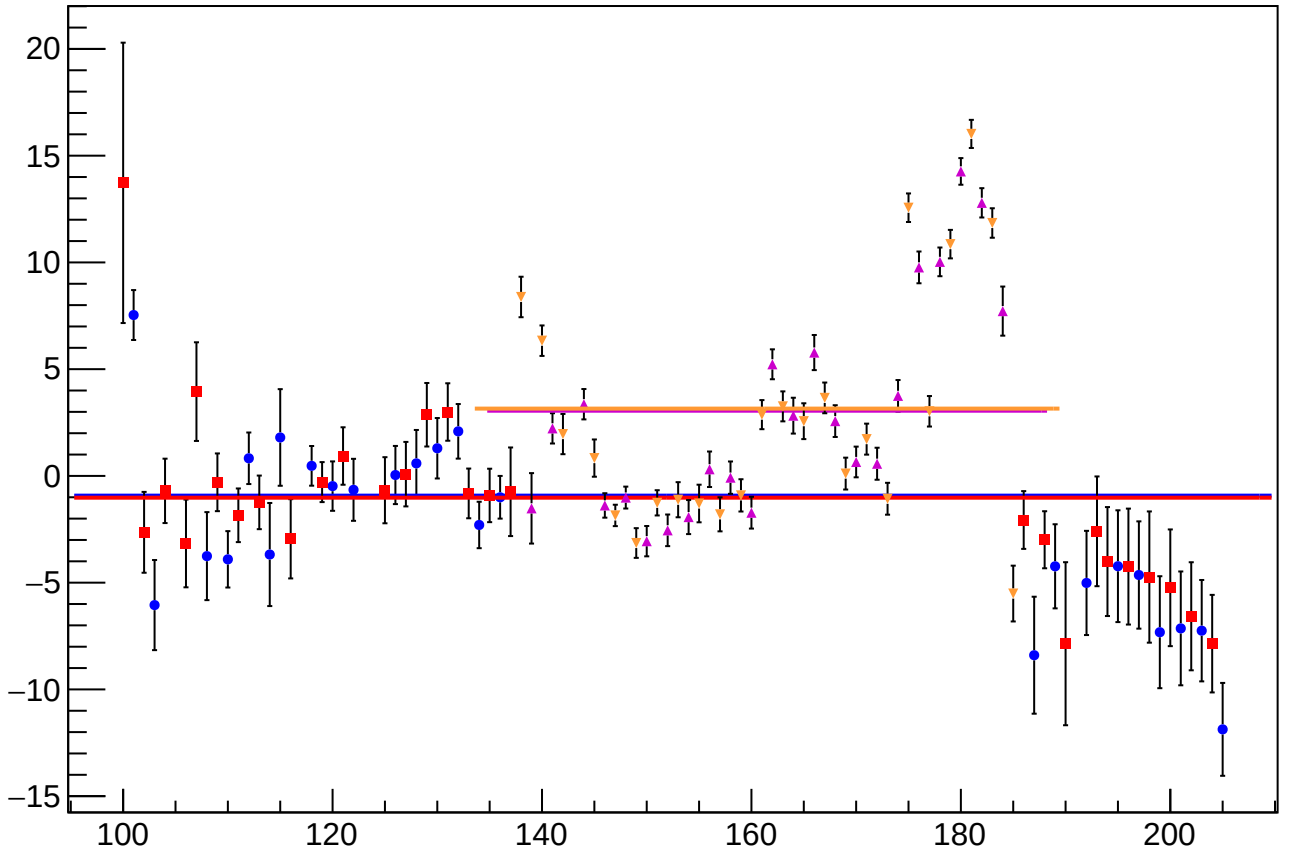
Left: -12.524+/-0.137 χ^2/NDF: 5060.1/46

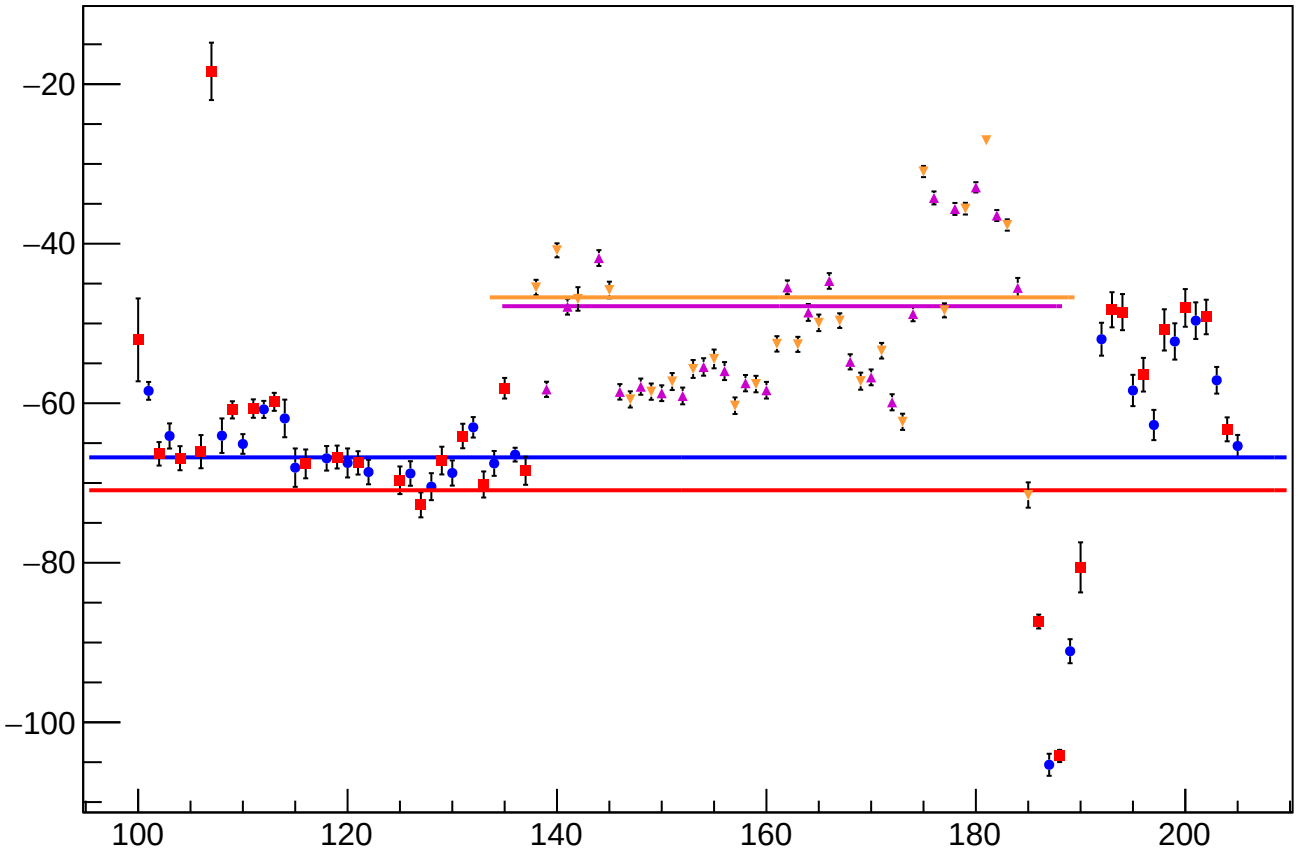
Right: 8.708+/-0.190 χ^2/NDF: 3395.7/52

In: -5.537+/-0.160 χ^2/NDF:6435.4/47

Out: -4.986+/-0.155 χ^2/NDF:10207.9/51

All: -5.253+/-0.111 χ^2/NDF: 16649.4/99


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: -0.924+/-0.307 χ²/NDF: 144.3/24
Left Out: 3.153+/-0.149 χ²/NDF:1385.1/23
Right Out: -1.020+/-0.307 χ²/NDF: 59.2/27
Left In: 3.055+/-0.152 χ²/NDF:1145.0/22
Left: 3.105+/-0.106 χ²/NDF: 2530.3/46
Right: -0.972+/-0.217 χ²/NDF: 203.5/52
In: 2.270+/-0.136 χ²/NDF:1424.5/47
Out: 2.355+/-0.134 χ²/NDF:1594.0/51
All: 2.313+/-0.096 χ²/NDF: 3018.7/99



Right In: -66.786+/-0.302 χ^2/NDF: 1360.6/24

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.910+/-0.284 χ^2/NDF: 3442.1/27

Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

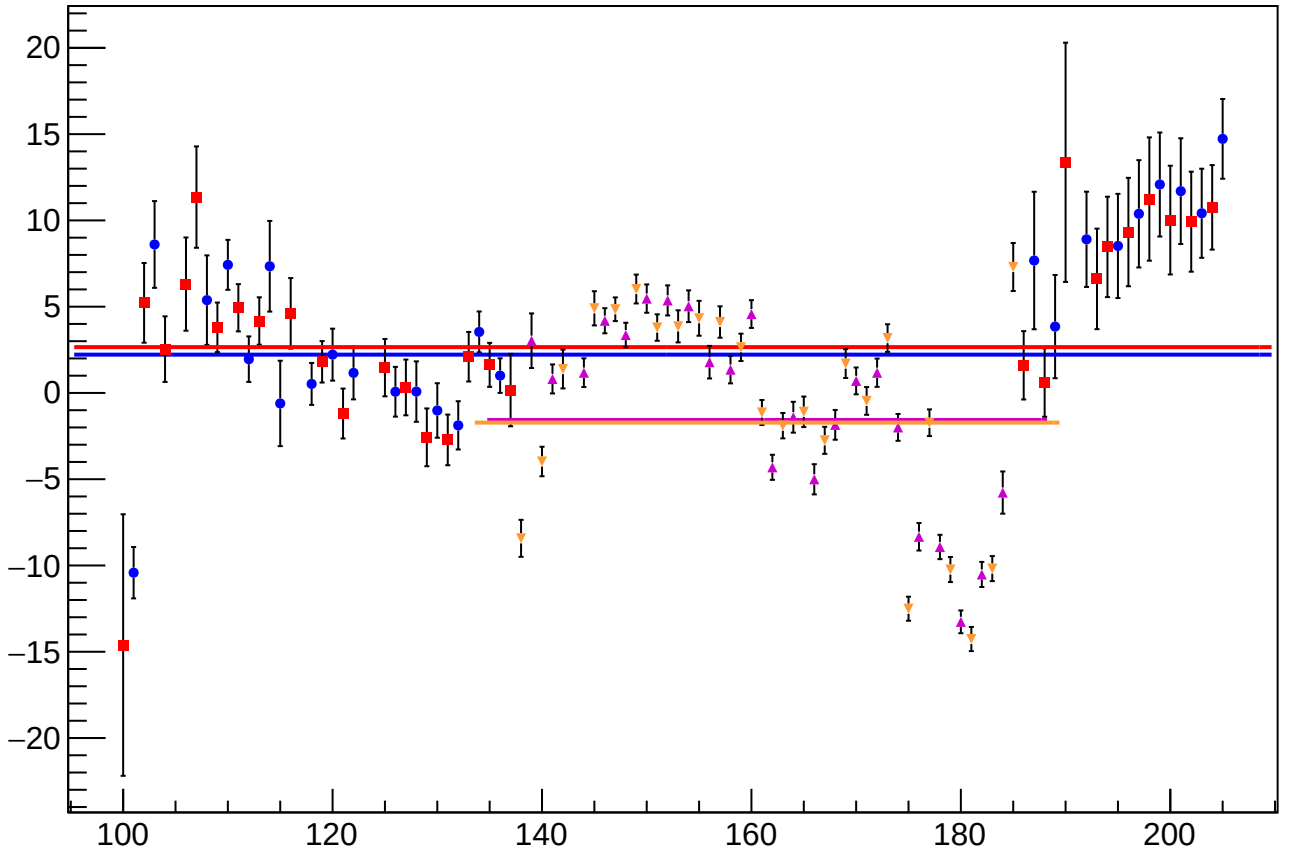
Left: -47.273+/-0.136 χ^2/NDF: 6020.3/46

Right: -68.976+/-0.207 χ^2/NDF: 4901.9/52

In: -53.370+/-0.163 χ^2/NDF:6709.3/47

Out: -54.300+/-0.159 χ^2/NDF:11882.3/51

All: -53.848+/-0.114 χ^2/NDF: 18608.3/99



Right In: 2.220+/-0.350 χ^2/NDF: 198.6/24

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.656+/-0.355 χ^2/NDF: 100.6/27

Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

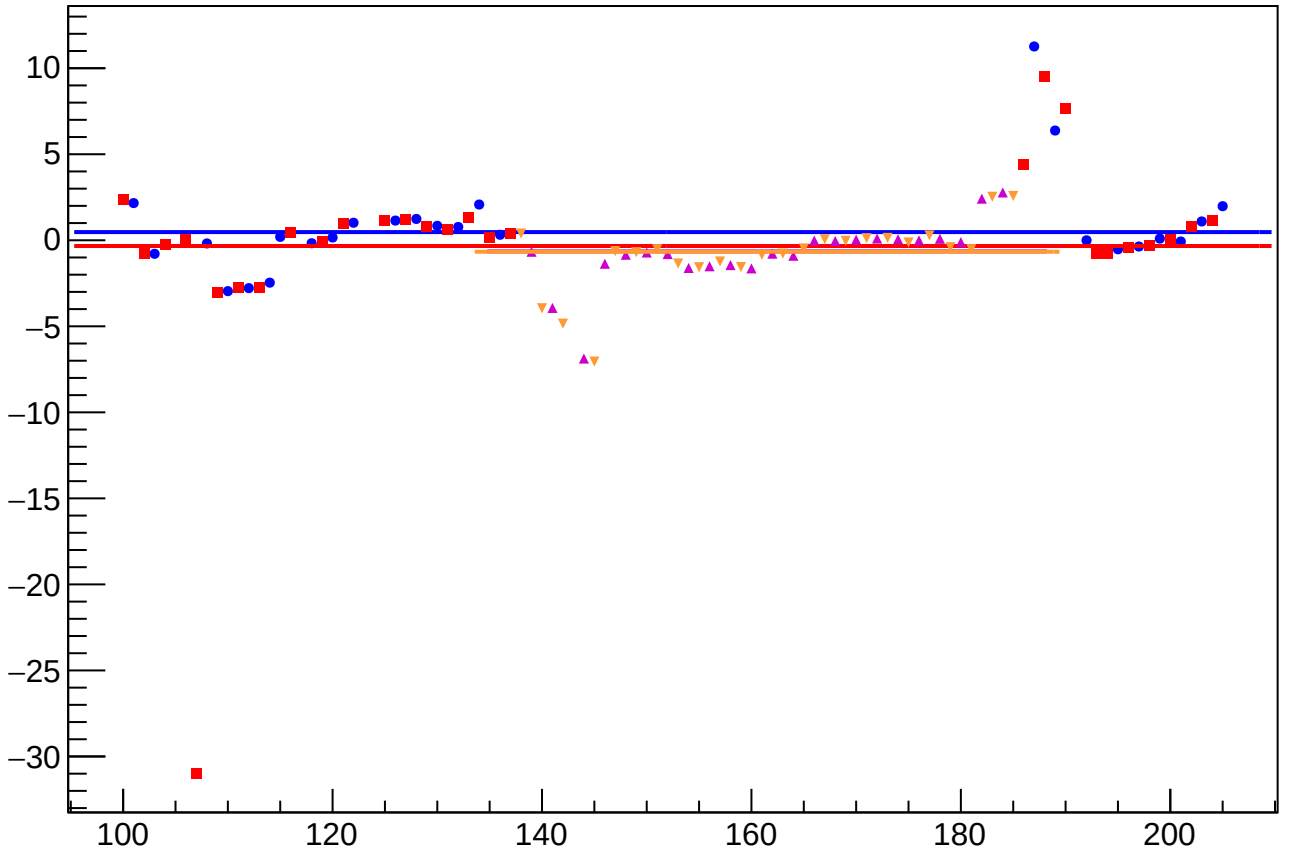
Left: -1.644+/-0.120 χ^2/NDF: 2524.2/46

Right: 2.435+/-0.249 χ^2/NDF: 300.0/52

In: -0.840+/-0.153 χ^2/NDF:1410.8/47

Out: -0.921+/-0.152 χ^2/NDF:1630.6/51

All: -0.881+/-0.108 χ^2/NDF: 3041.6/99



Right In: 0.475+/-0.018 χ^2/NDF: 9892.1/24

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.333+/-0.018 χ^2/NDF: 60333.8/27

Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

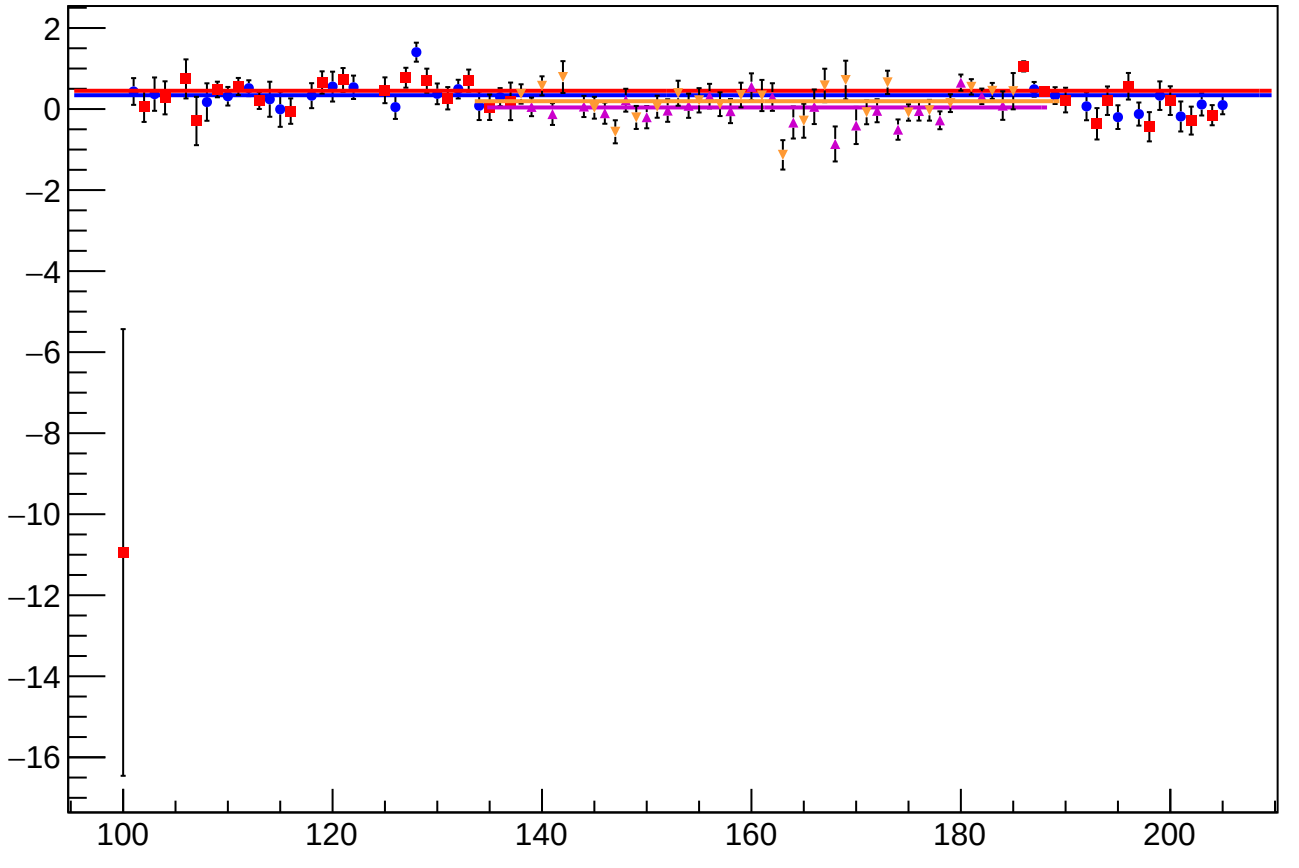
Left: -0.656+/-0.005 χ^2/NDF: 100849.5/46

Right: 0.080+/-0.013 χ^2/NDF: 71225.1/52

In: -0.477+/-0.007 χ^2/NDF:58798.9/47

Out: -0.617+/-0.007 χ^2/NDF:115895.0/51

All: -0.547+/-0.005 χ^2/NDF: 174899.2/99



Right In: 0.341+/-0.055 χ^2/NDF: 36.3/24

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.451+/-0.048 χ^2/NDF: 63.9/27

Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

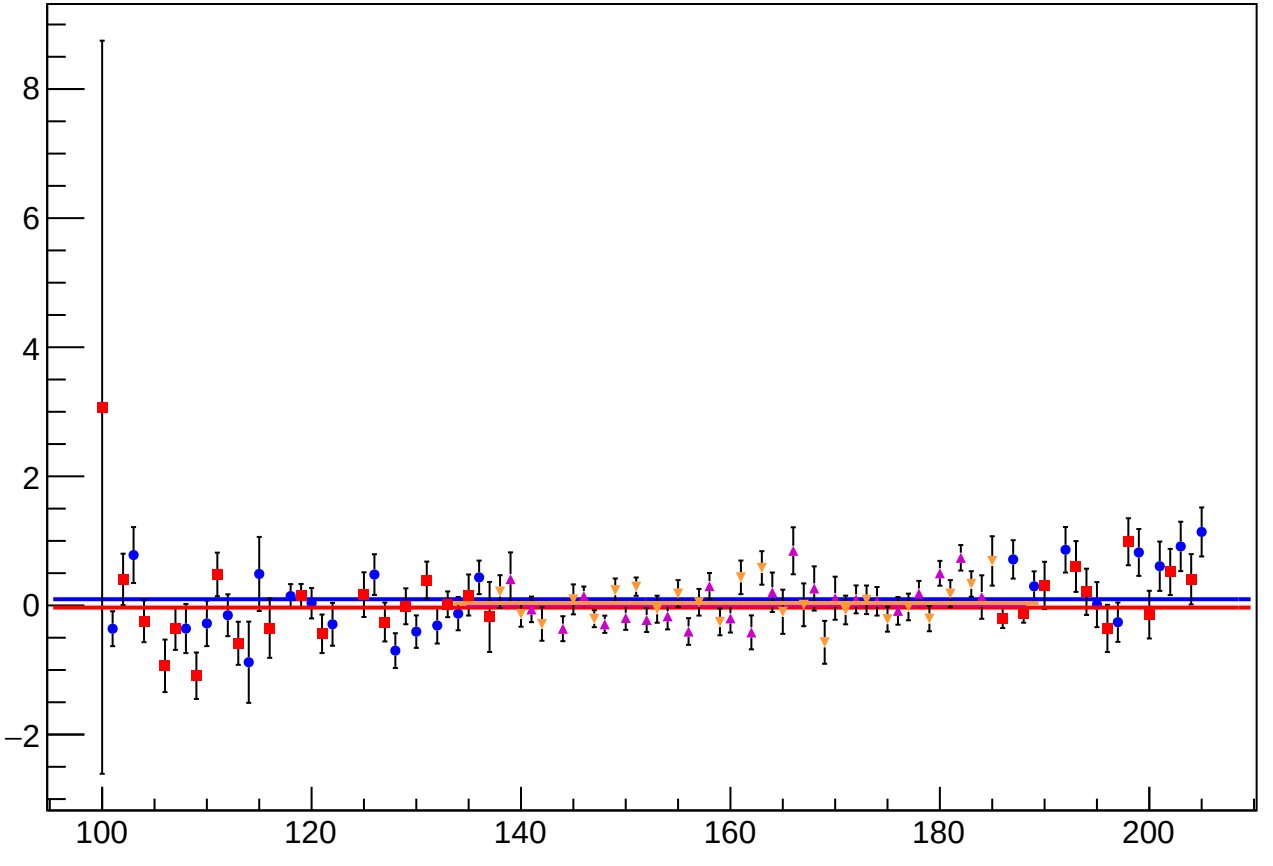
Left: 0.118+/-0.040 χ^2/NDF: 78.4/46

Right: 0.404+/-0.036 χ^2/NDF: 102.4/52

In: 0.198+/-0.040 χ^2/NDF:81.2/47

Out: 0.344+/-0.037 χ^2/NDF:120.1/51

All: 0.277+/-0.027 χ^2/NDF: 208.6/99



Right In: 0.096+/-0.061 χ^2/NDF: 60.7/24

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: -0.033+/-0.055 χ^2/NDF: 46.1/27

Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

Left: 0.023+/-0.031 χ^2/NDF: 84.4/46

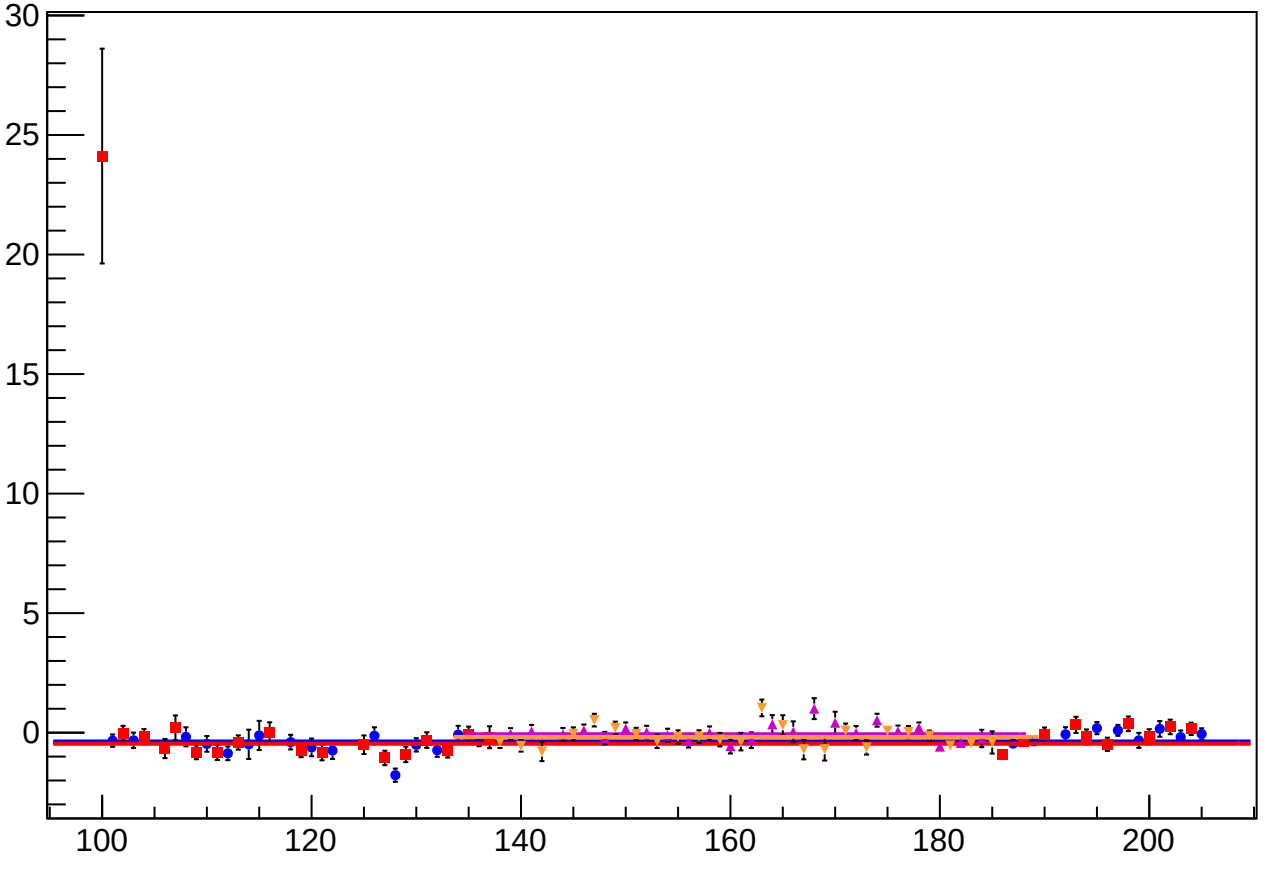
Right: 0.025+/-0.041 χ^2/NDF: 109.3/52

In: 0.039+/-0.036 χ^2/NDF:113.4/47

Out: 0.011+/-0.034 χ^2/NDF:79.9/51

All: 0.024+/-0.025 χ^2/NDF: 193.7/99

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.368+/-0.055 χ^2/NDF: 49.0/24

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.463+/-0.045 χ^2/NDF: 96.2/27

Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

Left: -0.123+/-0.040 χ^2/NDF: 75.5/46

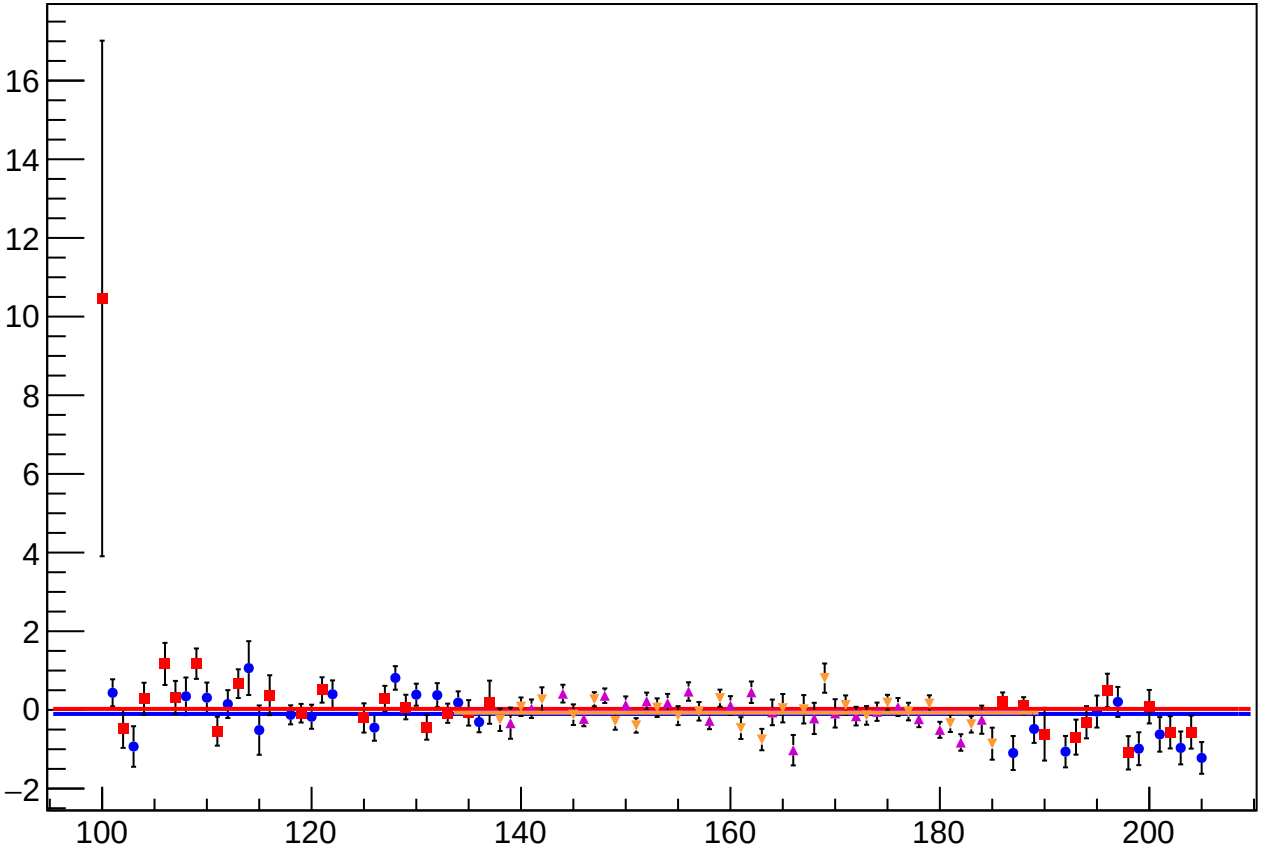
Right: -0.424+/-0.035 χ^2/NDF: 147.0/52

In: -0.222+/-0.040 χ^2/NDF:95.0/47

Out: -0.350+/-0.035 χ^2/NDF:153.8/51

All: -0.293+/-0.026 χ^2/NDF: 254.7/99

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.103+/-0.071 χ^2/NDF: 61.3/24

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: 0.025+/-0.067 χ^2/NDF: 47.3/27

Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

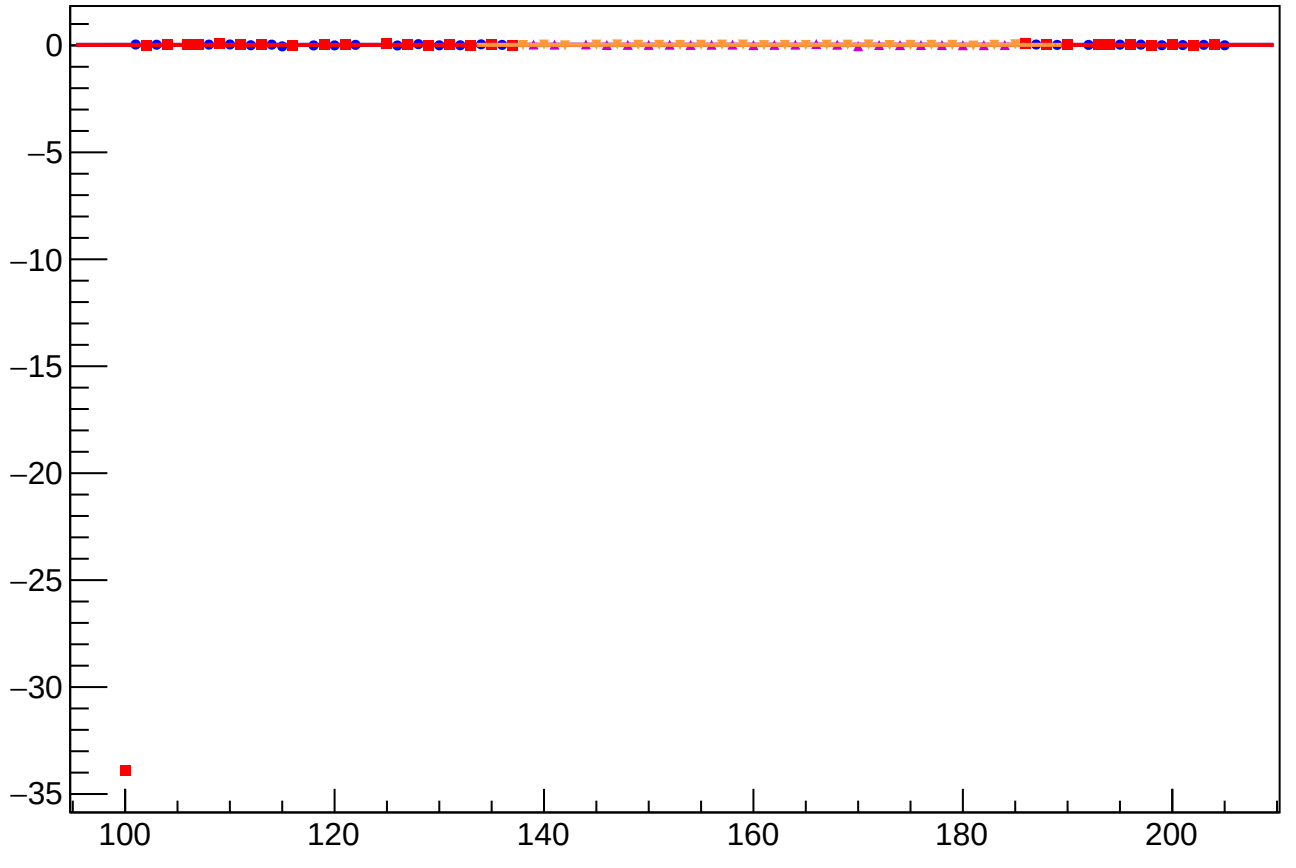
Left: -0.060+/-0.035 χ^2/NDF: 88.3/46

Right: -0.036+/-0.049 χ^2/NDF: 110.3/52

In: -0.066+/-0.041 χ^2/NDF:112.1/47

Out: -0.038+/-0.040 χ^2/NDF:86.4/51

All: -0.051+/-0.029 χ^2/NDF: 198.7/99



Right In: 0.025+/-0.003 χ^2/NDF: 20.2/24

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.024+/-0.003 χ^2/NDF: 22309.7/27

Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

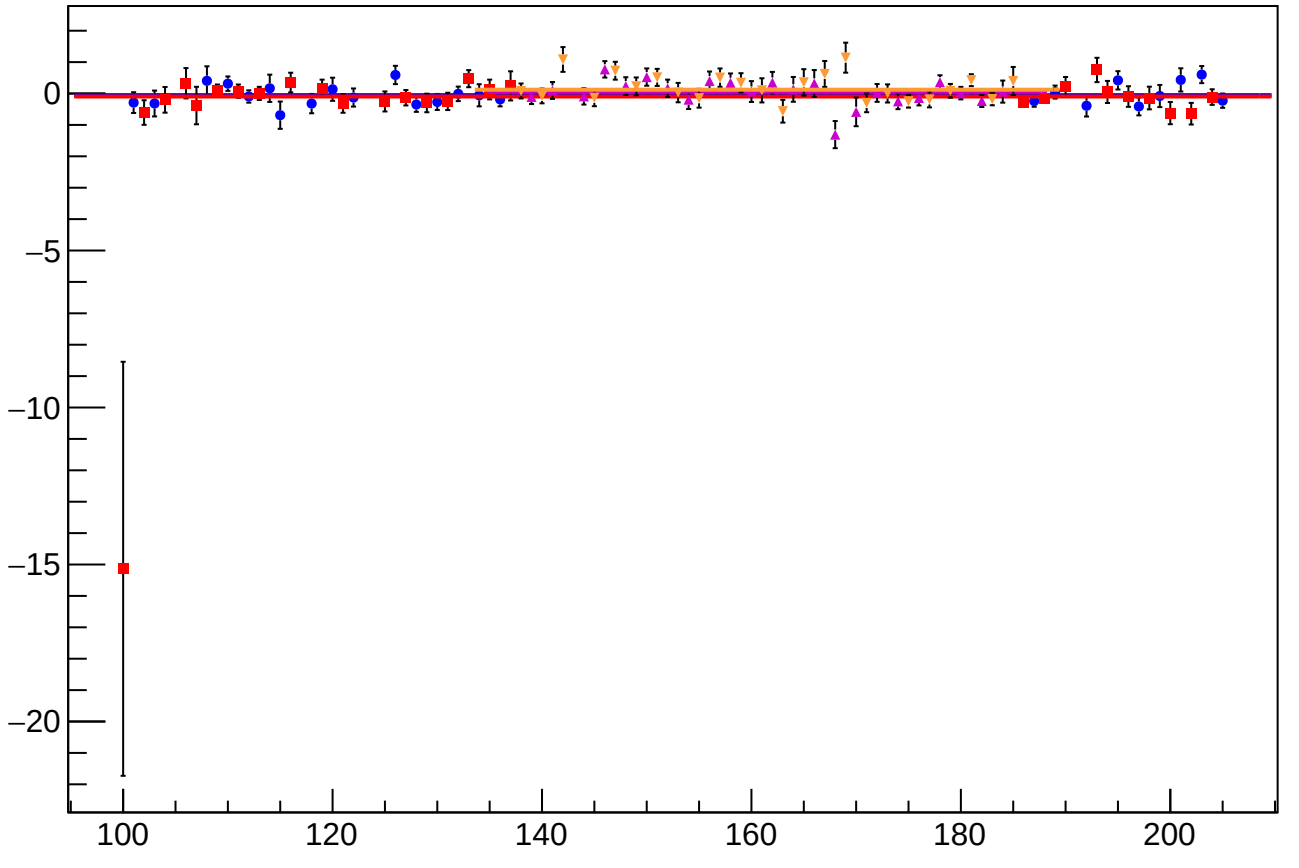
Left: 0.026+/-0.002 χ^2/NDF: 70.9/46

Right: 0.024+/-0.002 χ^2/NDF: 22330.0/52

In: 0.026+/-0.002 χ^2/NDF:59.8/47

Out: 0.025+/-0.002 χ^2/NDF:22341.6/51

All: 0.026+/-0.001 χ^2/NDF: 22401.4/99



Right In: -0.052+/-0.055 χ^2/NDF: 30.1/24

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.095+/-0.048 χ^2/NDF: 33.5/27

Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

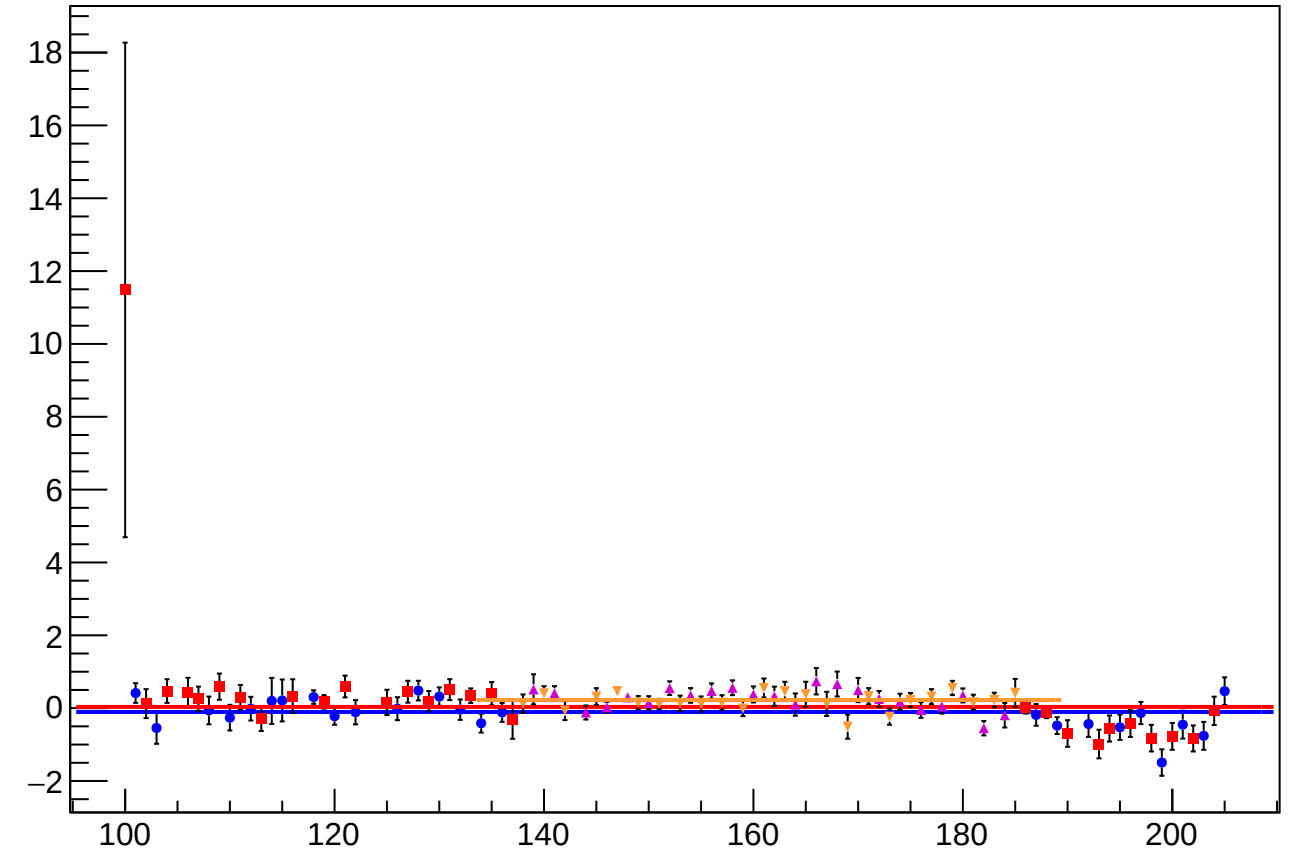
Left: 0.093+/-0.040 χ^2/NDF: 74.4/46

Right: -0.076+/-0.036 χ^2/NDF: 64.0/52

In: 0.003+/-0.040 χ^2/NDF:66.5/47

Out: -0.005+/-0.037 χ^2/NDF:81.7/51

All: -0.001+/-0.027 χ^2/NDF: 148.2/99



Right In: -0.104+/-0.061 χ^2/NDF: 45.5/24

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.034+/-0.055 χ^2/NDF: 56.2/27

Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

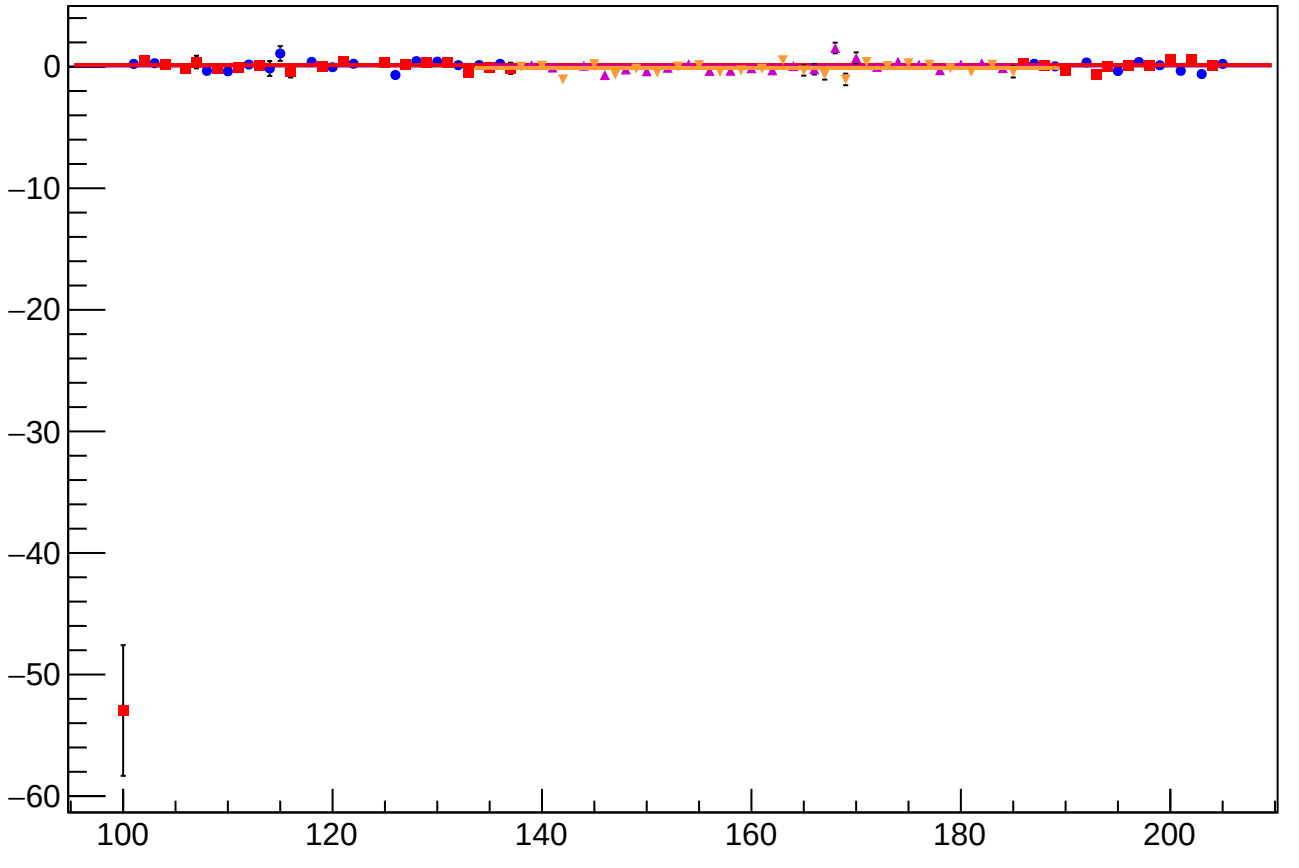
Left: 0.223+/-0.031 χ^2/NDF: 63.4/46

Right: -0.029+/-0.041 χ^2/NDF: 104.5/52

In: 0.108+/-0.036 χ^2/NDF:103.6/47

Out: 0.152+/-0.034 χ^2/NDF:87.7/51

All: 0.131+/-0.025 χ^2/NDF: 192.2/99



Right In: 0.108+/-0.055 χ^2/NDF: 31.2/24

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.132+/-0.045 χ^2/NDF: 122.6/27

Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

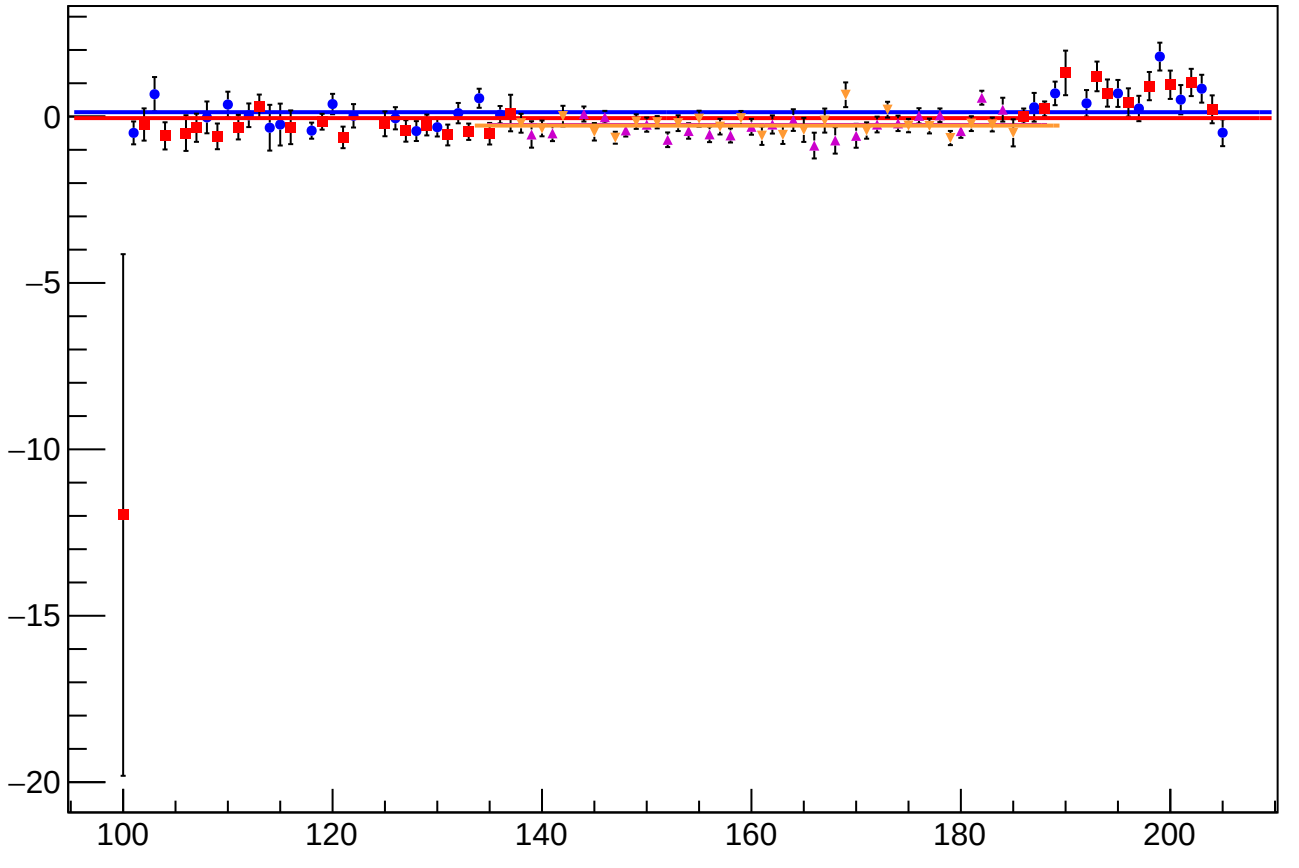
Left: -0.058+/-0.040 χ^2/NDF: 77.0/46

Right: 0.122+/-0.035 χ^2/NDF: 153.9/52

In: 0.051+/-0.040 χ^2/NDF:71.3/47

Out: 0.038+/-0.035 χ^2/NDF:170.9/51

All: 0.044+/-0.026 χ^2/NDF: 242.3/99



Right In: 0.131+/-0.071 χ^2/NDF: 47.4/24

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.048+/-0.067 χ^2/NDF: 58.4/27

Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

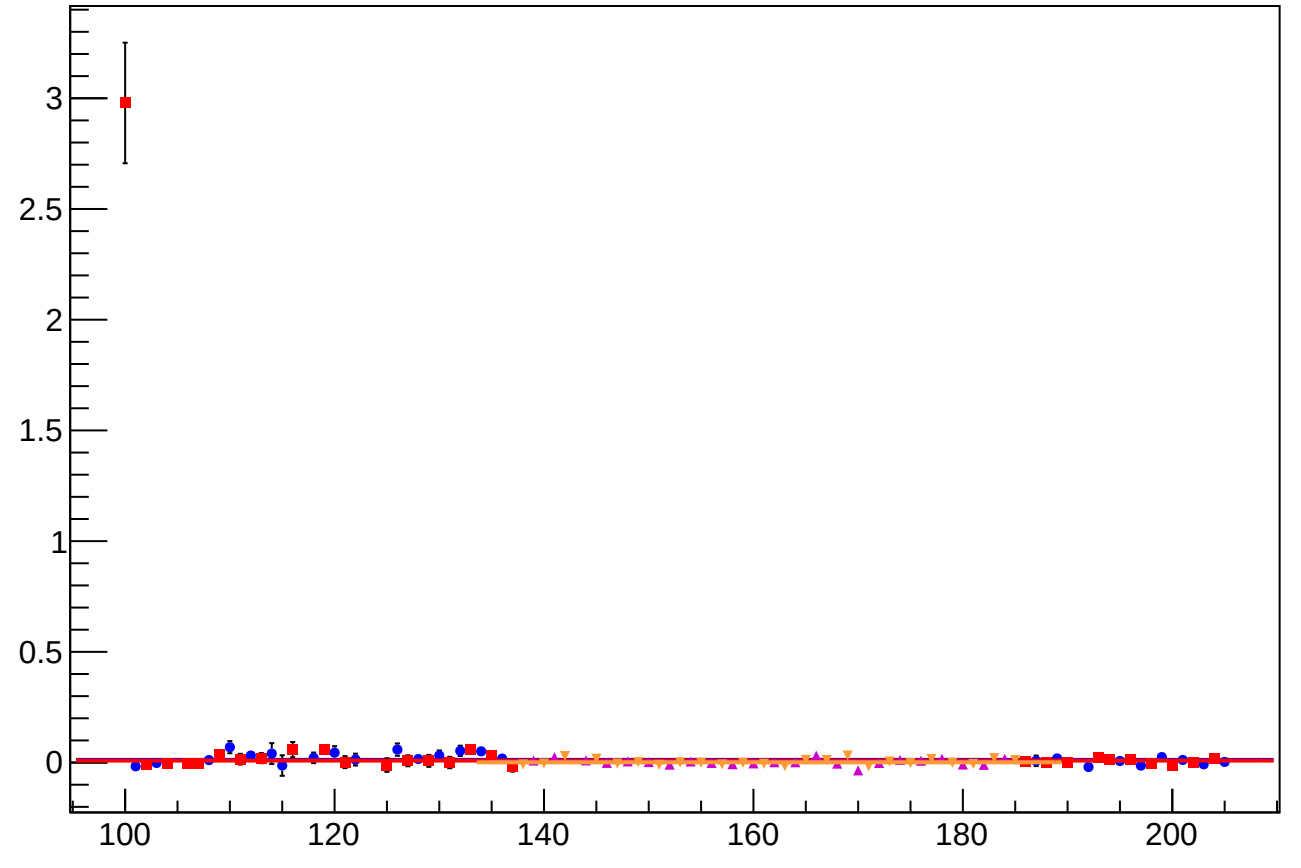
Left: -0.263+/-0.035 χ^2/NDF: 65.5/46

Right: 0.037+/-0.049 χ^2/NDF: 109.1/52

In: -0.126+/-0.041 χ^2/NDF:107.5/47

Out: -0.194+/-0.040 χ^2/NDF:90.4/51

All: -0.161+/-0.029 χ^2/NDF: 199.3/99



Right In: 0.012+/-0.003 χ^2/NDF: 40.0/24

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.6/27

Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

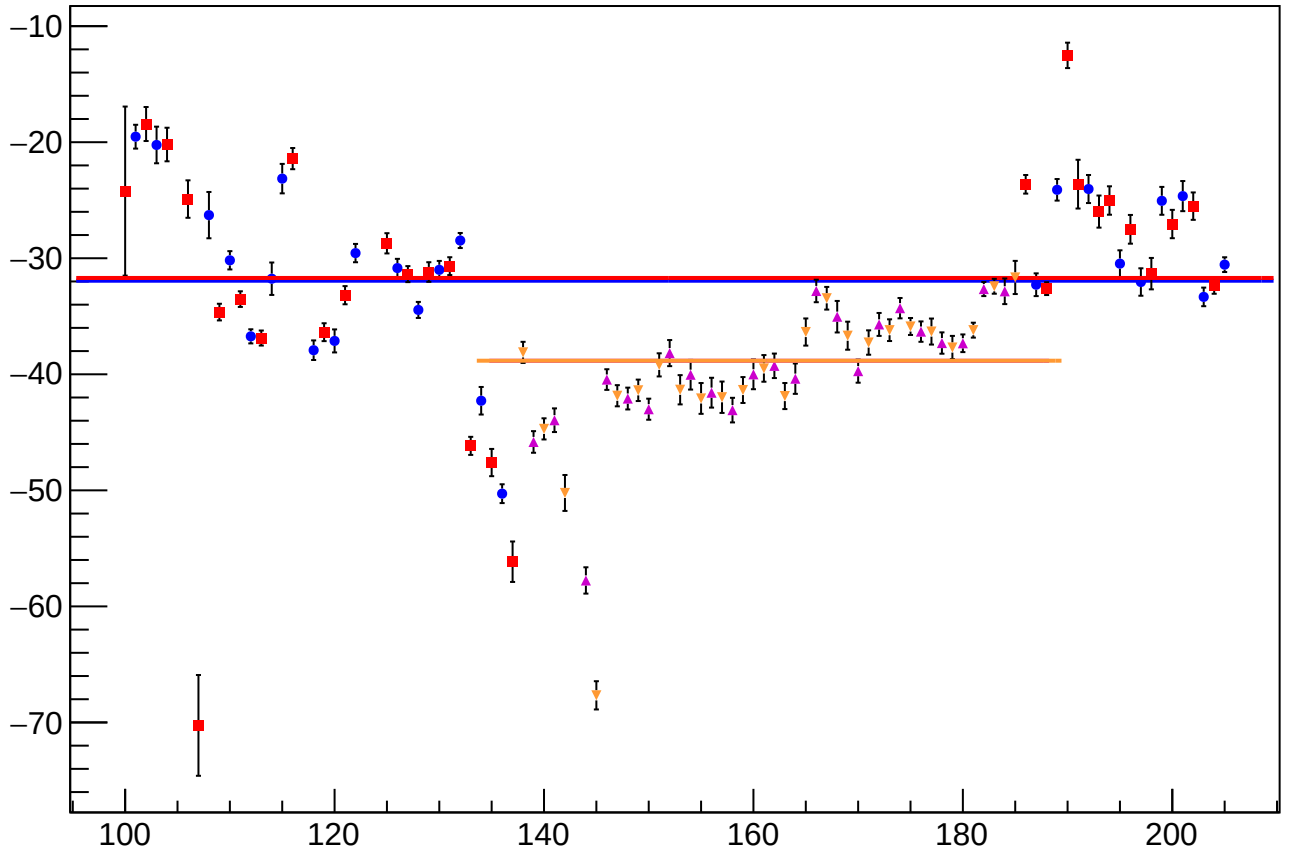
Left: 0.002+/-0.002 χ^2/NDF: 51.5/46

Right: 0.011+/-0.002 χ^2/NDF: 190.0/52

In: 0.005+/-0.002 χ^2/NDF:70.5/47

Out: 0.004+/-0.002 χ^2/NDF:180.3/51

All: 0.004+/-0.001 χ^2/NDF: 251.2/99



Right In: -31.936+/-0.180 χ^2/NDF: 1232.5/24

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.699+/-0.173 χ^2/NDF: 1764.8/28

Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

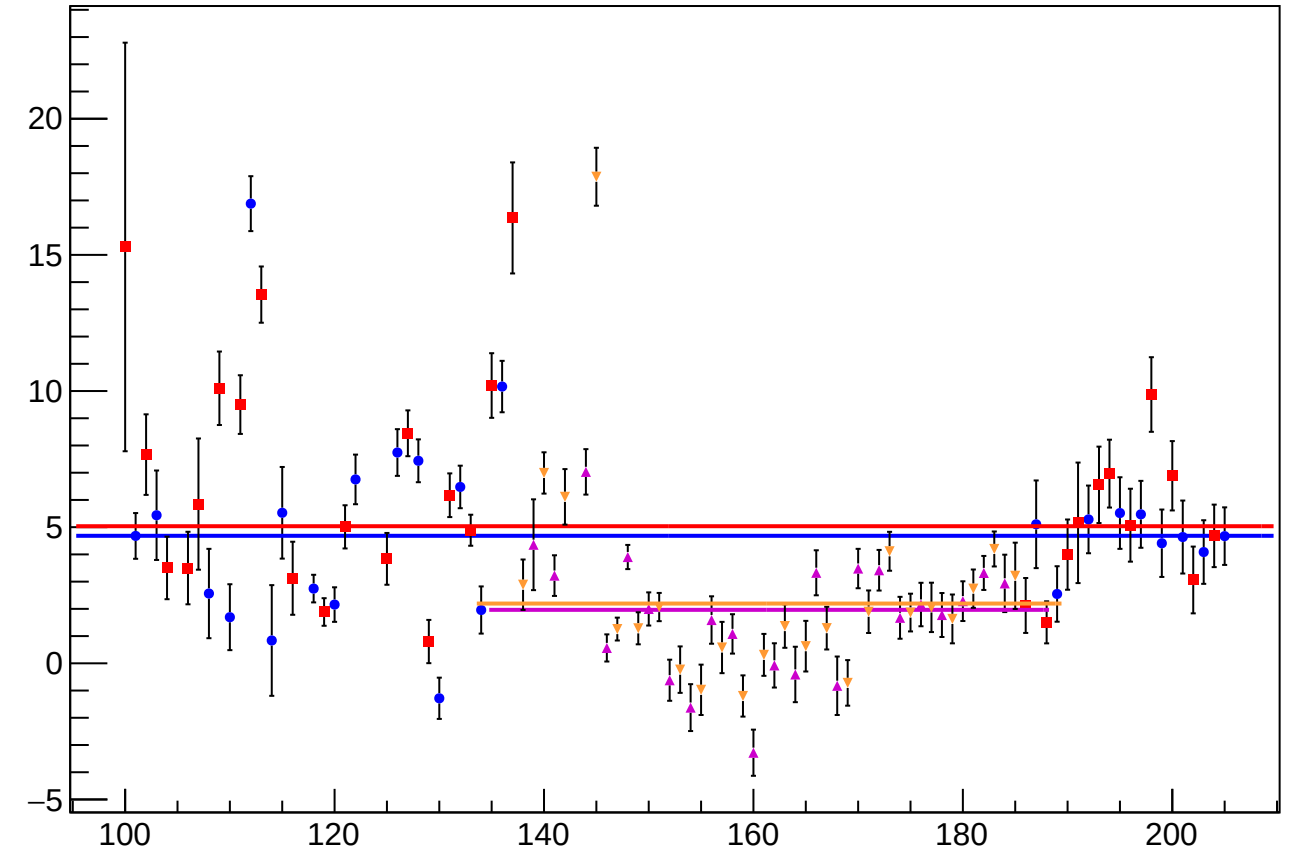
Left: -38.833+/-0.143 χ^2/NDF: 1570.4/46

Right: -31.813+/-0.125 χ^2/NDF: 2998.2/53

In: -34.975+/-0.135 χ^2/NDF:2530.2/47

Out: -34.720+/-0.132 χ^2/NDF:3399.5/52

All: -34.844+/-0.094 χ^2/NDF: 5931.6/100



Right In: 4.683+/-0.193 χ^2/NDF: 335.5/24

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.035+/-0.190 χ^2/NDF: 297.1/28

Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

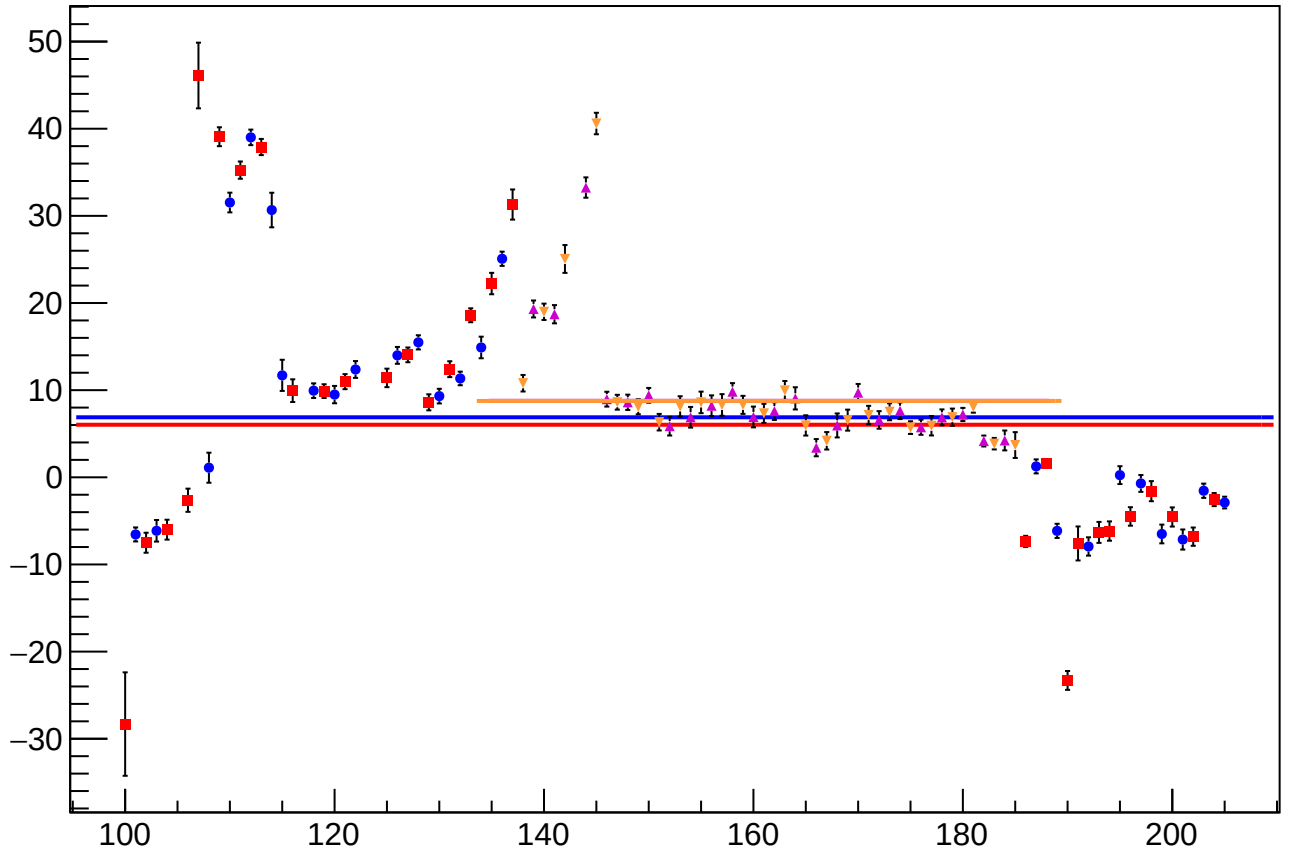
Left: 2.081+/-0.109 χ^2/NDF: 539.4/46

Right: 4.862+/-0.135 χ^2/NDF: 634.3/53

In: 3.029+/-0.121 χ^2/NDF:629.6/47

Out: 3.307+/-0.119 χ^2/NDF:798.6/52

All: 3.170+/-0.085 χ^2/NDF: 1431.0/100



Right In: 6.886+/-0.190 χ^2/NDF: 4350.0/24

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 6.033+/-0.179 χ^2/NDF: 6353.8/28

Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

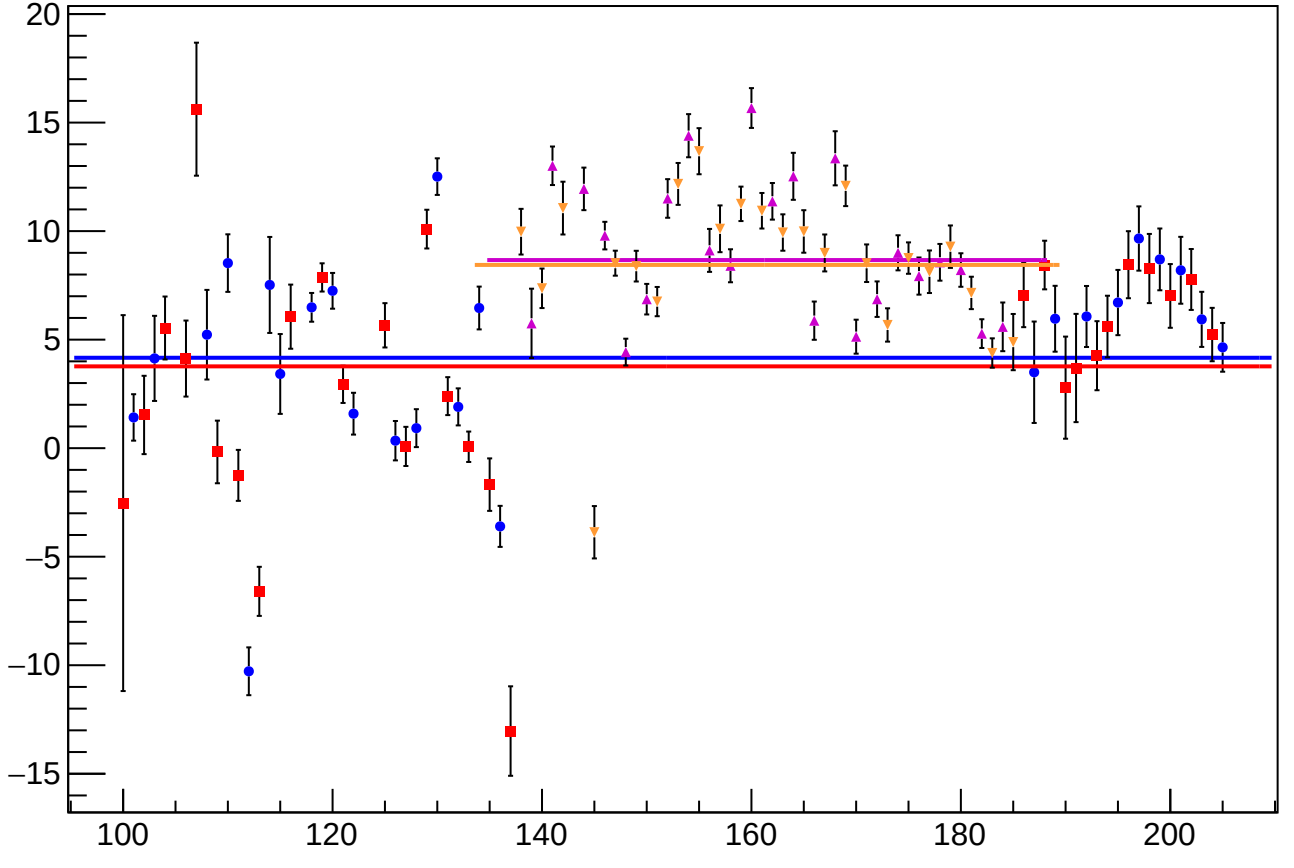
Left: 8.769+/-0.142 χ^2/NDF: 1830.5/46

Right: 6.434+/-0.130 χ^2/NDF: 10714.5/53

In: 7.774+/-0.138 χ^2/NDF:5191.5/47

Out: 7.245+/-0.133 χ^2/NDF:7492.6/52

All: 7.500+/-0.096 χ^2/NDF: 12691.7/100



Right In: 4.166+/-0.224 χ^2/NDF: 474.0/24

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.769+/-0.223 χ^2/NDF: 414.9/28

Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

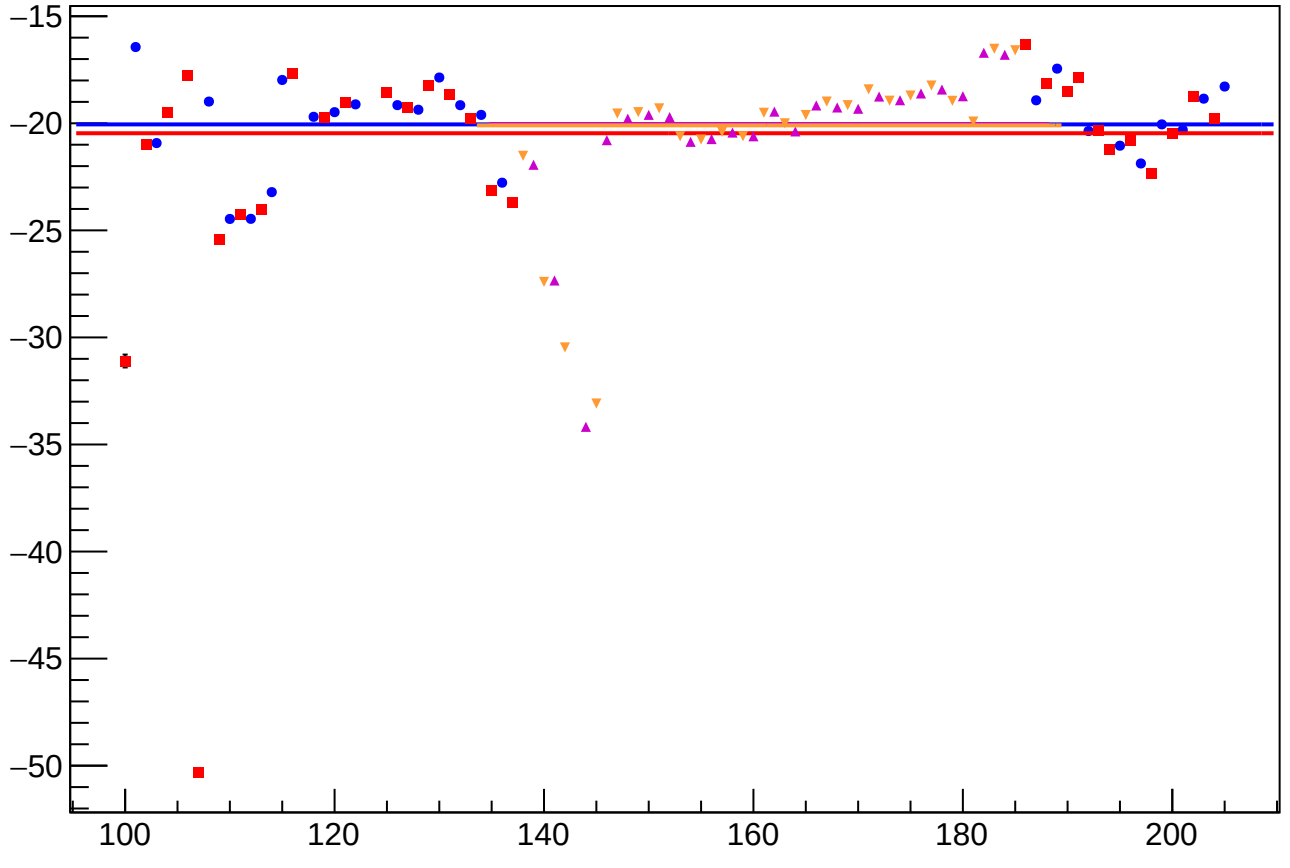
Left: 8.553+/-0.123 χ^2/NDF: 569.8/46

Right: 3.966+/-0.158 χ^2/NDF: 890.4/53

In: 6.954+/-0.138 χ^2/NDF:1028.5/47

Out: 6.683+/-0.137 χ^2/NDF:952.0/52

All: 6.818+/-0.097 χ^2/NDF: 1982.5/100



Right In: -20.051+/-0.011 χ^2/NDF: 25597.0/24

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.464+/-0.011 χ^2/NDF: 68361.9/28

Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

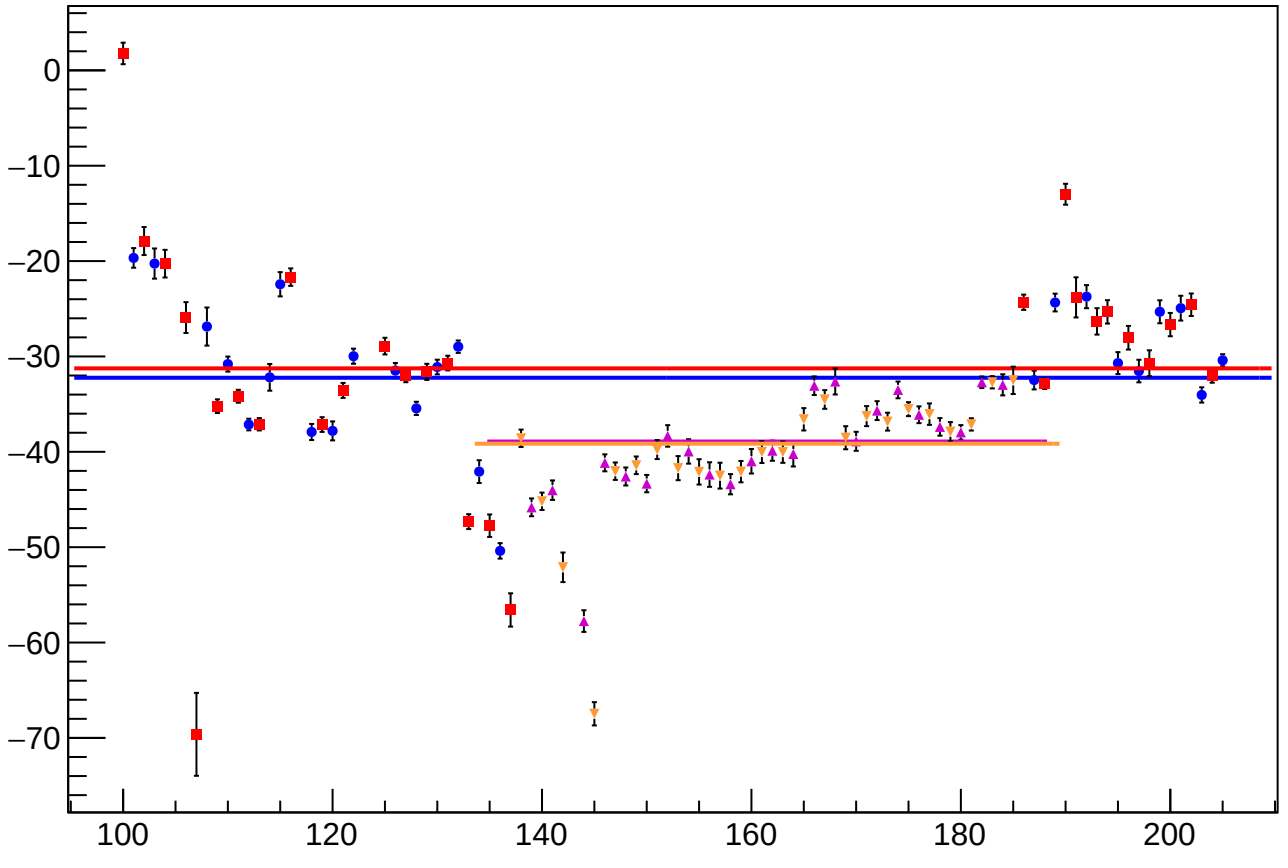
Left: -20.067+/-0.006 χ^2/NDF: 291612.1/46

Right: -20.263+/-0.008 χ^2/NDF: 94620.6/53

In: -20.042+/-0.007 χ^2/NDF:157889.6/47

Out: -20.218+/-0.006 χ^2/NDF:228374.9/52

All: -20.131+/-0.005 χ^2/NDF: 386635.0/100



Right In: -32.234+/-0.181 χ^2/NDF: 1244.9/24

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.250+/-0.172 χ^2/NDF: 2696.6/28

Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

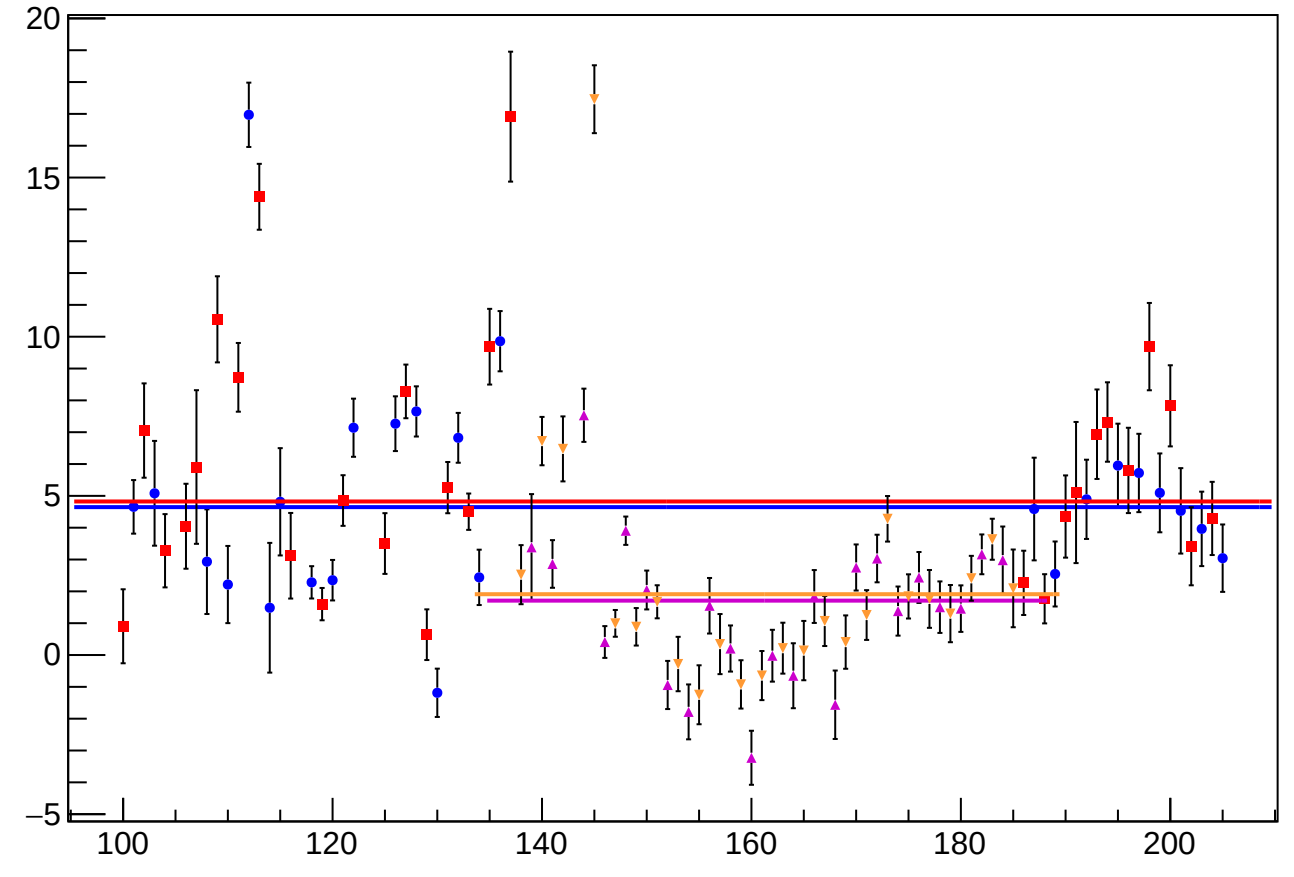
Left: -39.036+/-0.144 χ^2/NDF: 1583.8/46

Right: -31.716+/-0.124 χ^2/NDF: 3957.2/53

In: -35.179+/-0.135 χ^2/NDF:2532.0/47

Out: -34.551+/-0.131 χ^2/NDF:4481.3/52

All: -34.855+/-0.094 χ^2/NDF: 7024.4/100



Right In: 4.646+/-0.193 χ^2/NDF: 334.7/24

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.824+/-0.188 χ^2/NDF: 321.9/28

Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

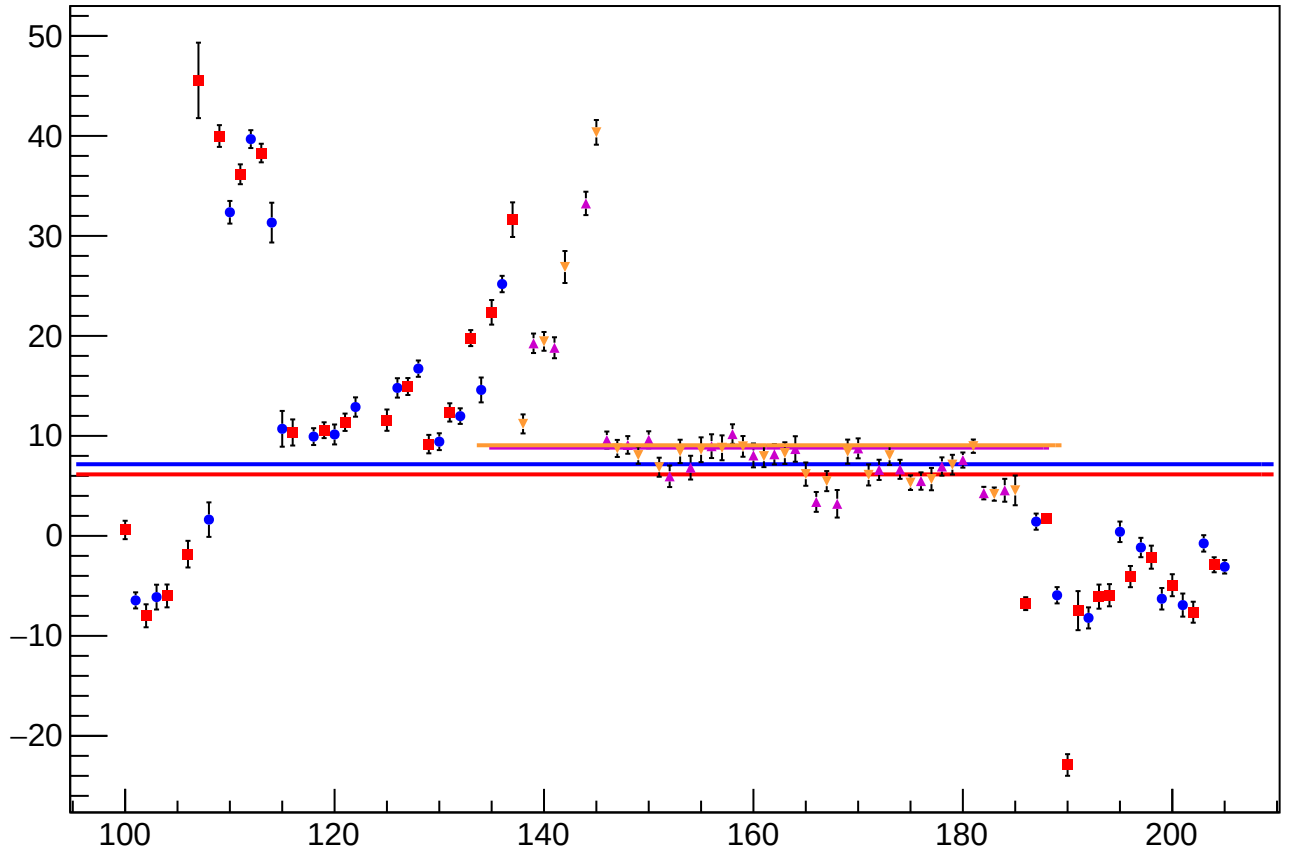
Left: 1.811+/-0.109 χ^2/NDF: 542.8/46

Right: 4.738+/-0.135 χ^2/NDF: 657.0/53

In: 2.859+/-0.121 χ^2/NDF:657.9/47

Out: 3.069+/-0.118 χ^2/NDF:826.4/52

All: 2.966+/-0.085 χ^2/NDF: 1485.8/100



Right In: 7.165+/-0.190 χ^2/NDF: 4470.0/24

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 6.150+/-0.176 χ^2/NDF: 6526.8/28

Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

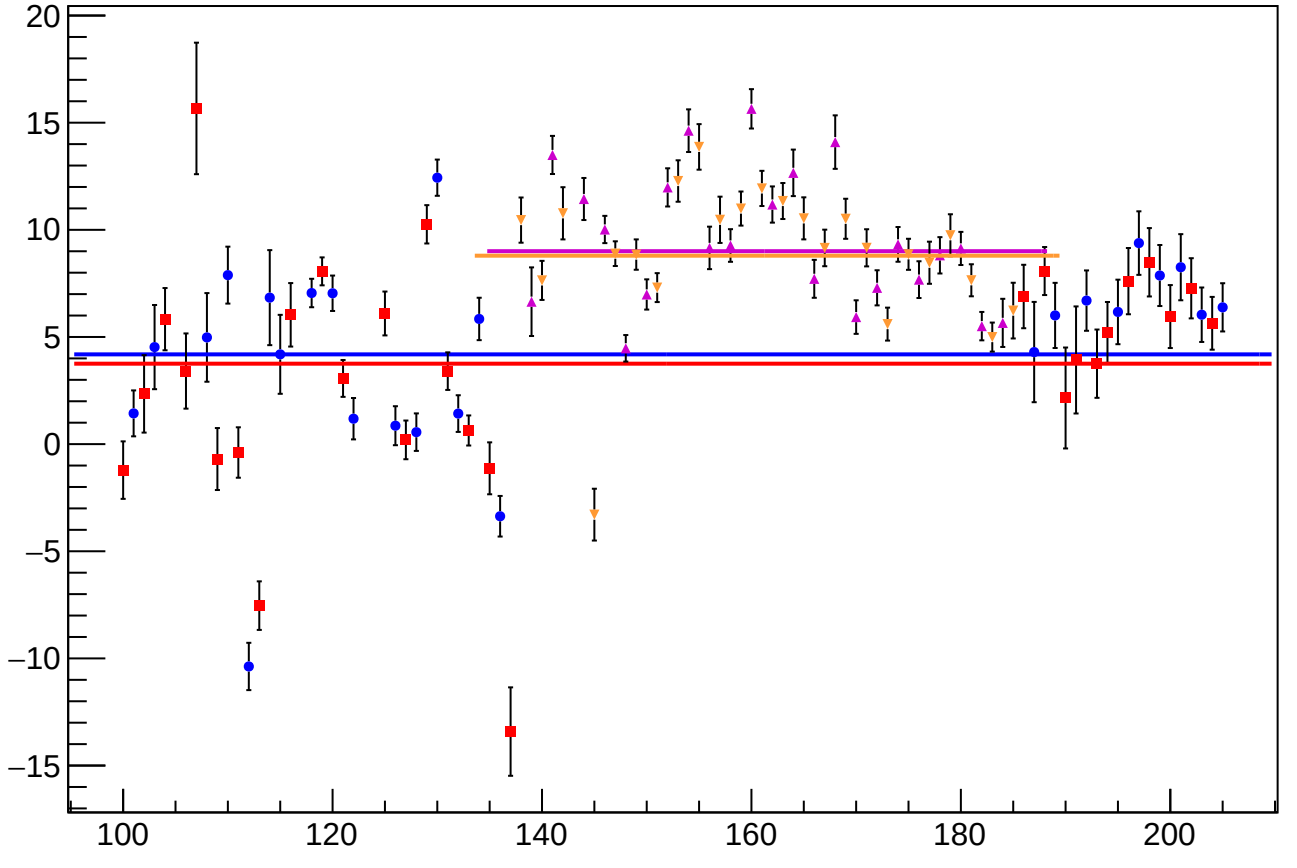
Left: 8.944+/-0.142 χ^2/NDF: 1835.6/46

Right: 6.618+/-0.129 χ^2/NDF: 11012.1/53

In: 7.947+/-0.138 χ^2/NDF:5307.2/47

Out: 7.414+/-0.132 χ^2/NDF:7679.1/52

All: 7.668+/-0.096 χ^2/NDF: 12994.1/100



Right In: 4.188+/-0.225 χ^2/NDF: 471.0/24

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.754+/-0.221 χ^2/NDF: 425.1/28

Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

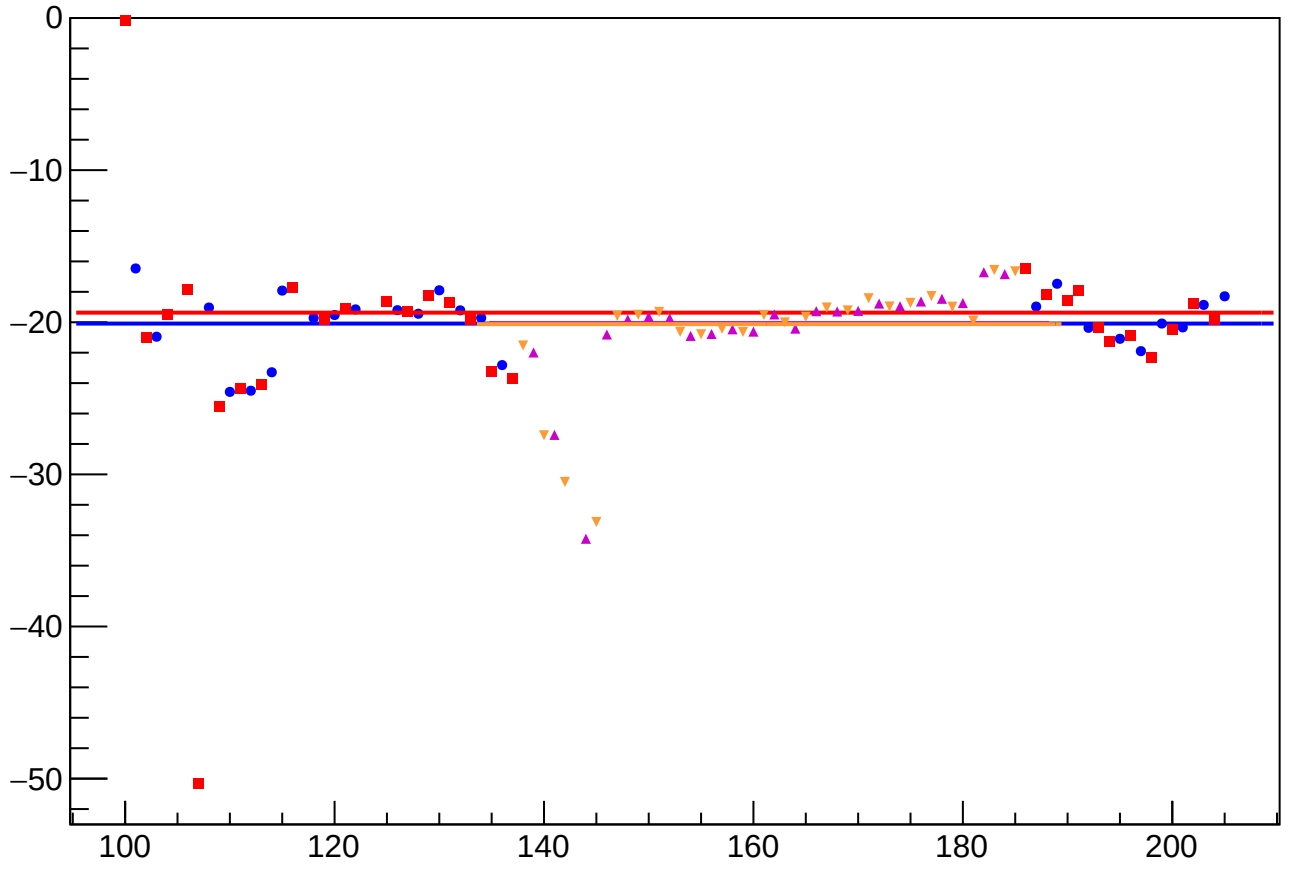
Left: 8.897+/-0.124 χ^2/NDF: 534.4/46

Right: 3.967+/-0.157 χ^2/NDF: 898.0/53

In: 7.173+/-0.139 χ^2/NDF:1045.3/47

Out: 6.864+/-0.137 χ^2/NDF:990.6/52

All: 7.016+/-0.097 χ^2/NDF: 2038.4/100



Right In: -20.087+/-0.012 χ^2/NDF: 25661.0/24

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.368+/-0.011 χ^2/NDF: 246653.0/28

Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

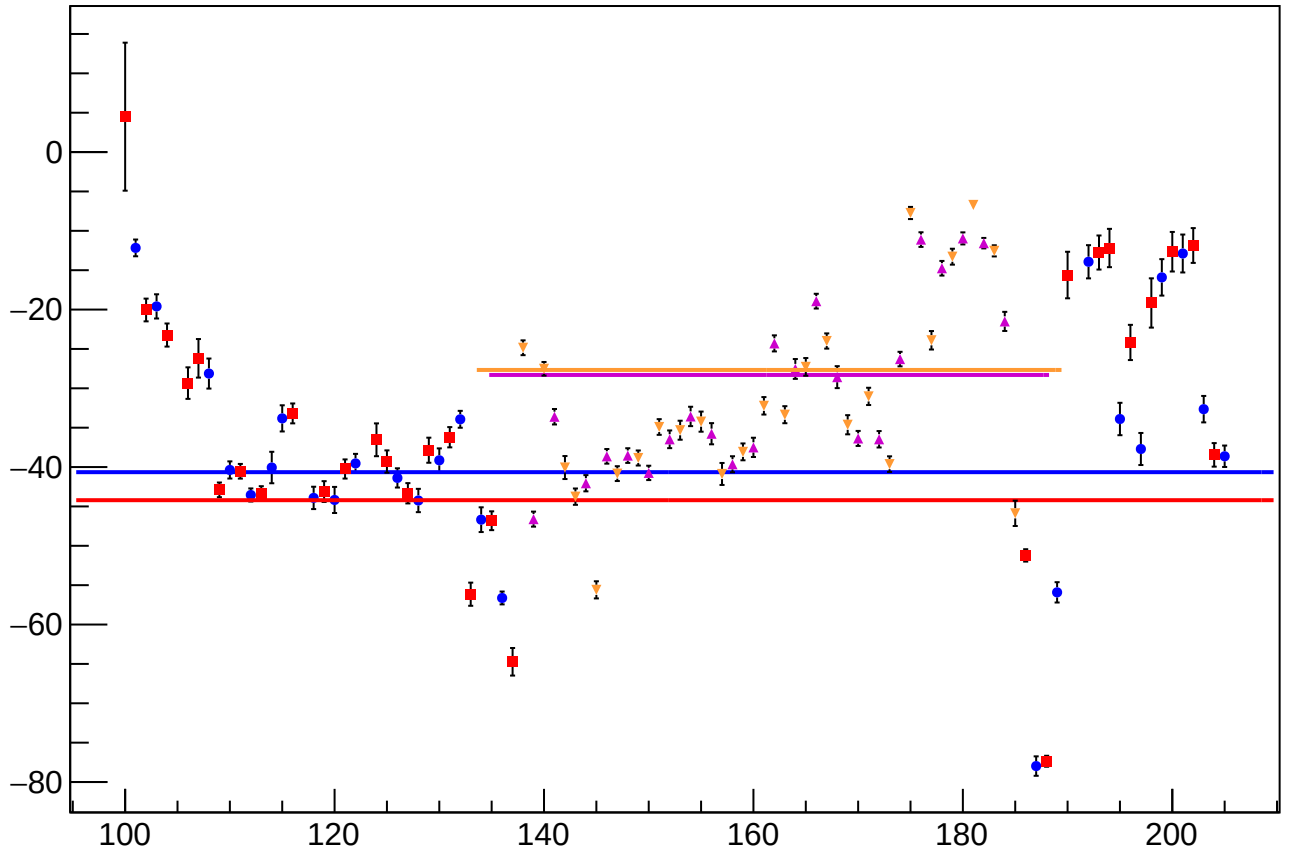
Left: -20.093+/-0.006 χ^2/NDF: 291297.6/46

Right: -19.709+/-0.008 χ^2/NDF: 274365.5/53

In: -20.071+/-0.007 χ^2/NDF:158353.9/47

Out: -19.863+/-0.006 χ^2/NDF:408359.0/52

All: -19.965+/-0.005 χ^2/NDF: 567230.2/100



Right In: -40.649+/-0.271 χ^2/NDF: 2930.0/24

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -44.208+/-0.251 χ^2/NDF: 4373.6/28

Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

Left: -27.977+/-0.144 χ^2/NDF: 7675.2/47

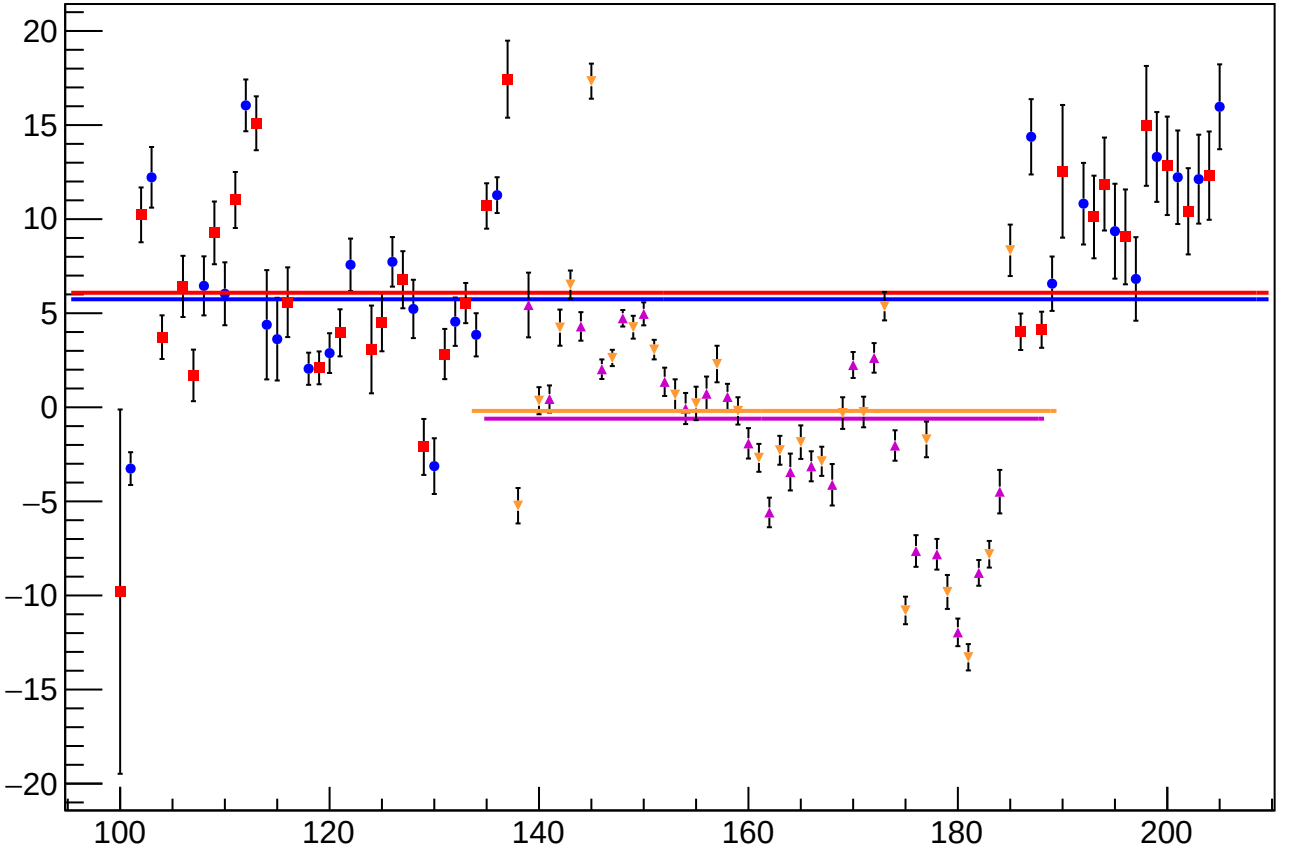
Right: -42.569+/-0.184 χ^2/NDF: 7396.3/53

In: -32.809+/-0.164 χ^2/NDF:7517.5/47

Out: -34.116+/-0.157 χ^2/NDF:11424.3/53

All: -33.492+/-0.113 χ^2/NDF: 18975.0/101

reg_asym_right_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 5.741+/-0.288 χ^2/NDF: 355.2/24

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.088+/-0.278 χ^2/NDF: 235.5/28

Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

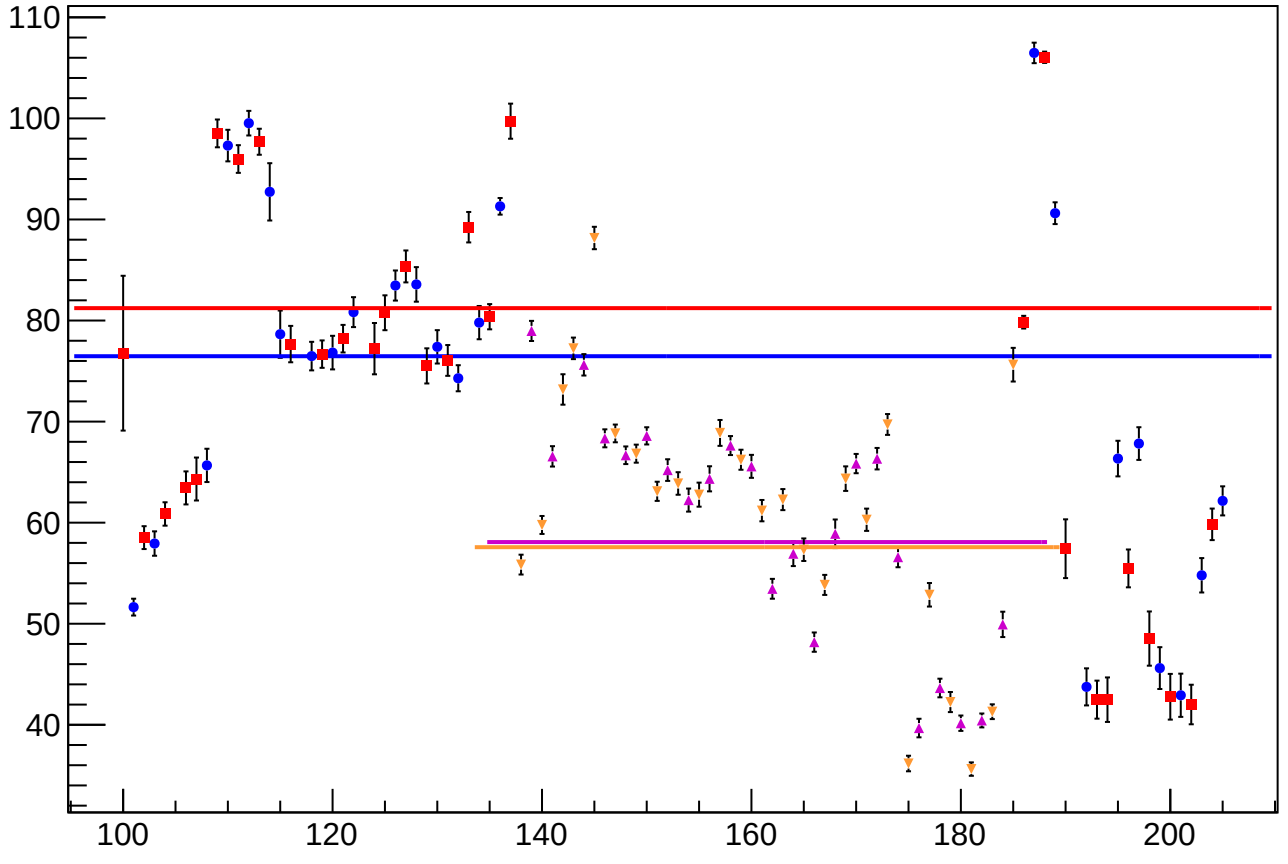
Left: -0.391+/-0.108 χ^2/NDF: 2523.5/47

Right: 5.921+/-0.200 χ^2/NDF: 591.4/53

In: 0.820+/-0.137 χ^2/NDF:1705.4/47

Out: 1.223+/-0.132 χ^2/NDF:2175.3/53

All: 1.029+/-0.095 χ^2/NDF: 3885.2/101



Right In: 76.469+/-0.278 χ^2/NDF: 4275.5/24

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 81.226+/-0.251 χ^2/NDF: 5522.7/28

Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

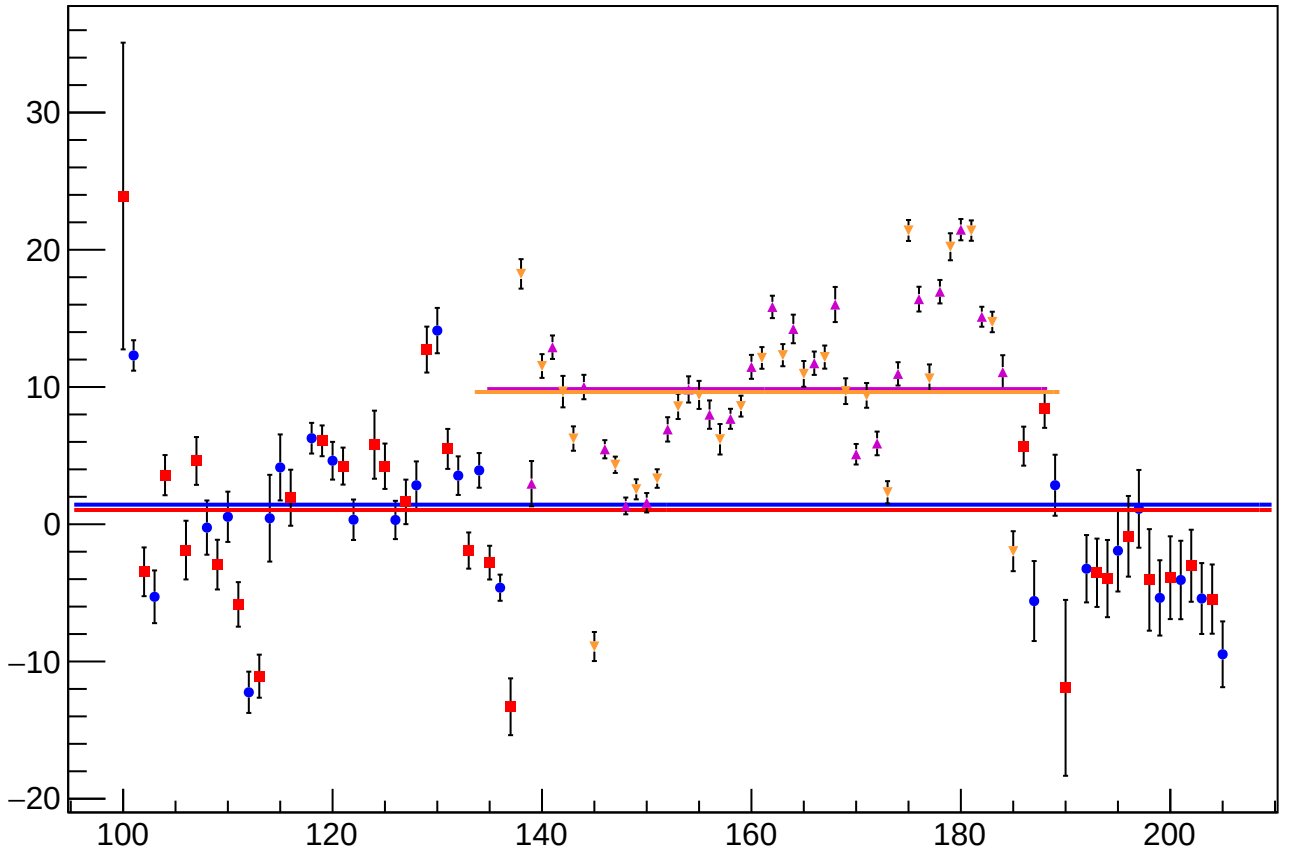
Left: 57.821+/-0.142 χ^2/NDF: 8247.2/47

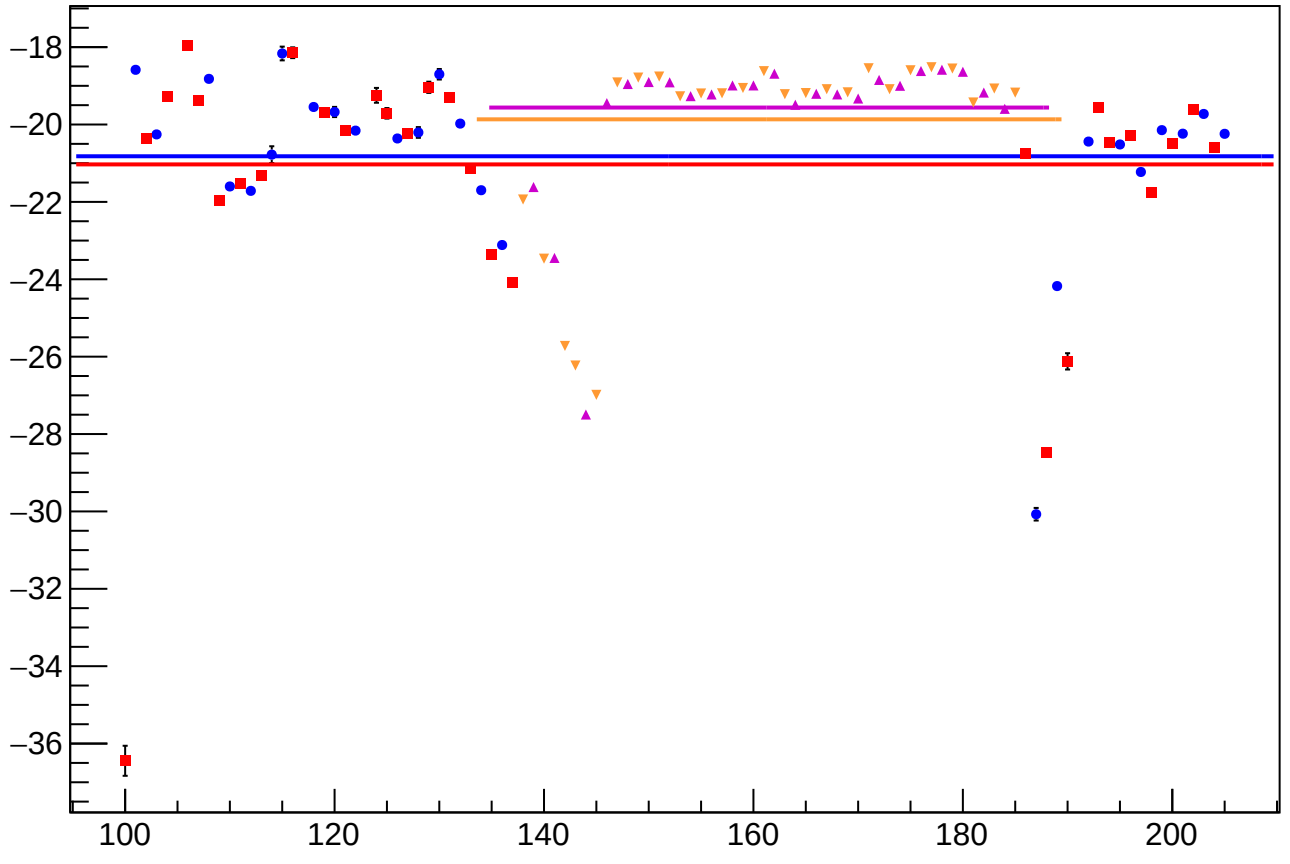
Right: 79.093+/-0.186 χ^2/NDF: 9959.5/53

In: 64.491+/-0.164 χ^2/NDF:10681.8/47

Out: 66.712+/-0.156 χ^2/NDF:15667.9/53

All: 65.659+/-0.113 χ^2/NDF: 26446.0/101


reg_asym_right_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 1.427+/-0.335 χ²/NDF: 373.4/24
Left Out: 9.636+/-0.171 χ²/NDF:1491.5/24
Right Out: 1.039+/-0.331 χ²/NDF: 318.4/28
Left In: 9.849+/-0.176 χ²/NDF:993.0/22
Left: 9.740+/-0.123 χ²/NDF: 2485.2/47
Right: 1.231+/-0.236 χ²/NDF: 692.4/53
In: 8.026+/-0.156 χ²/NDF:1860.4/47
Out: 7.821+/-0.152 χ²/NDF:2341.1/53
All: 7.921+/-0.109 χ²/NDF: 4202.4/101



Right In: -20.821+/-0.017 χ^2/NDF: 12241.5/24

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -21.031+/-0.017 χ^2/NDF: 20387.6/28

Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

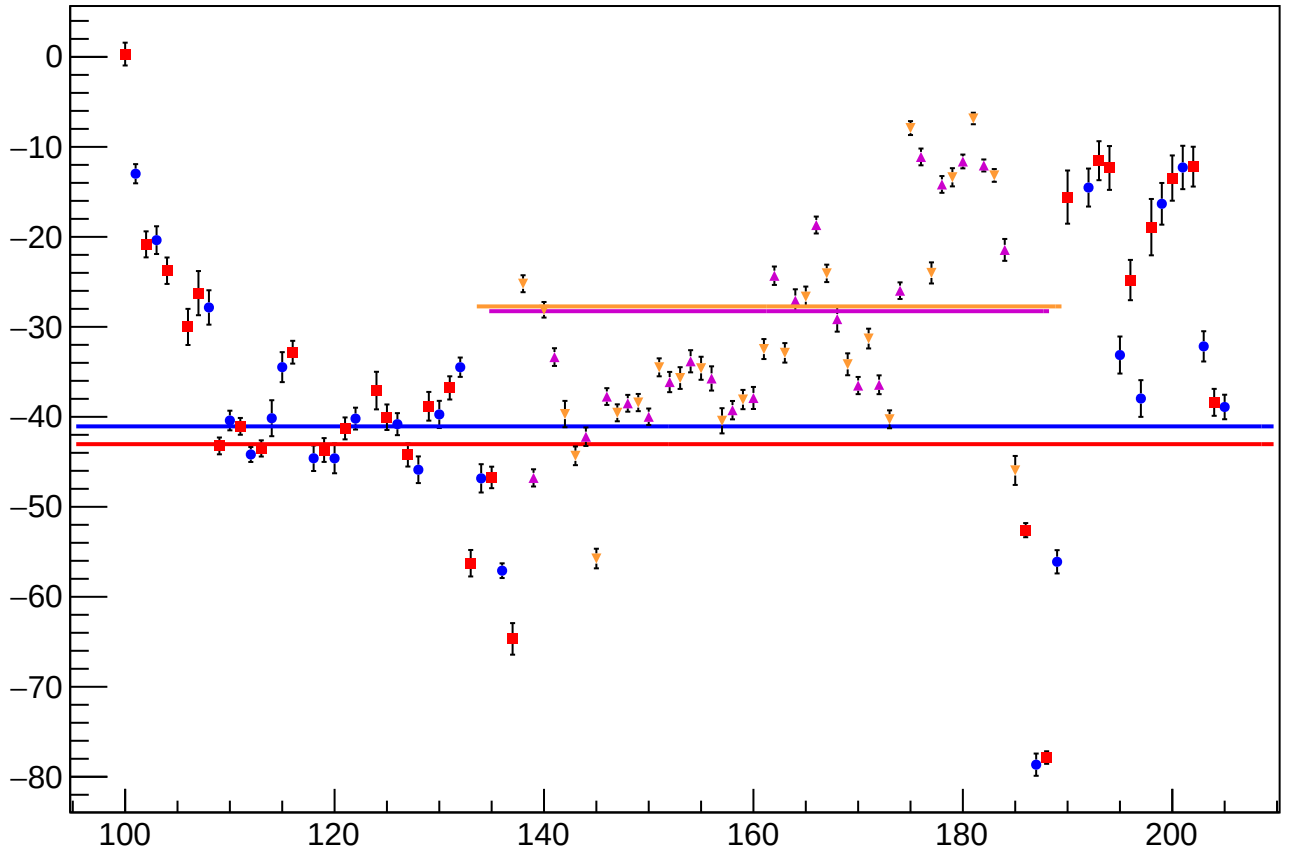
Left: -19.716+/-0.006 χ^2/NDF: 124807.4/47

Right: -20.926+/-0.012 χ^2/NDF: 32710.0/53

In: -19.799+/-0.007 χ^2/NDF:62132.2/47

Out: -20.080+/-0.007 χ^2/NDF:103322.0/53

All: -19.941+/-0.005 χ^2/NDF: 166233.6/101



Right In: -41.061+/-0.272 χ^2/NDF: 2933.2/24

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -43.037+/-0.246 χ^2/NDF: 5595.9/28

Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

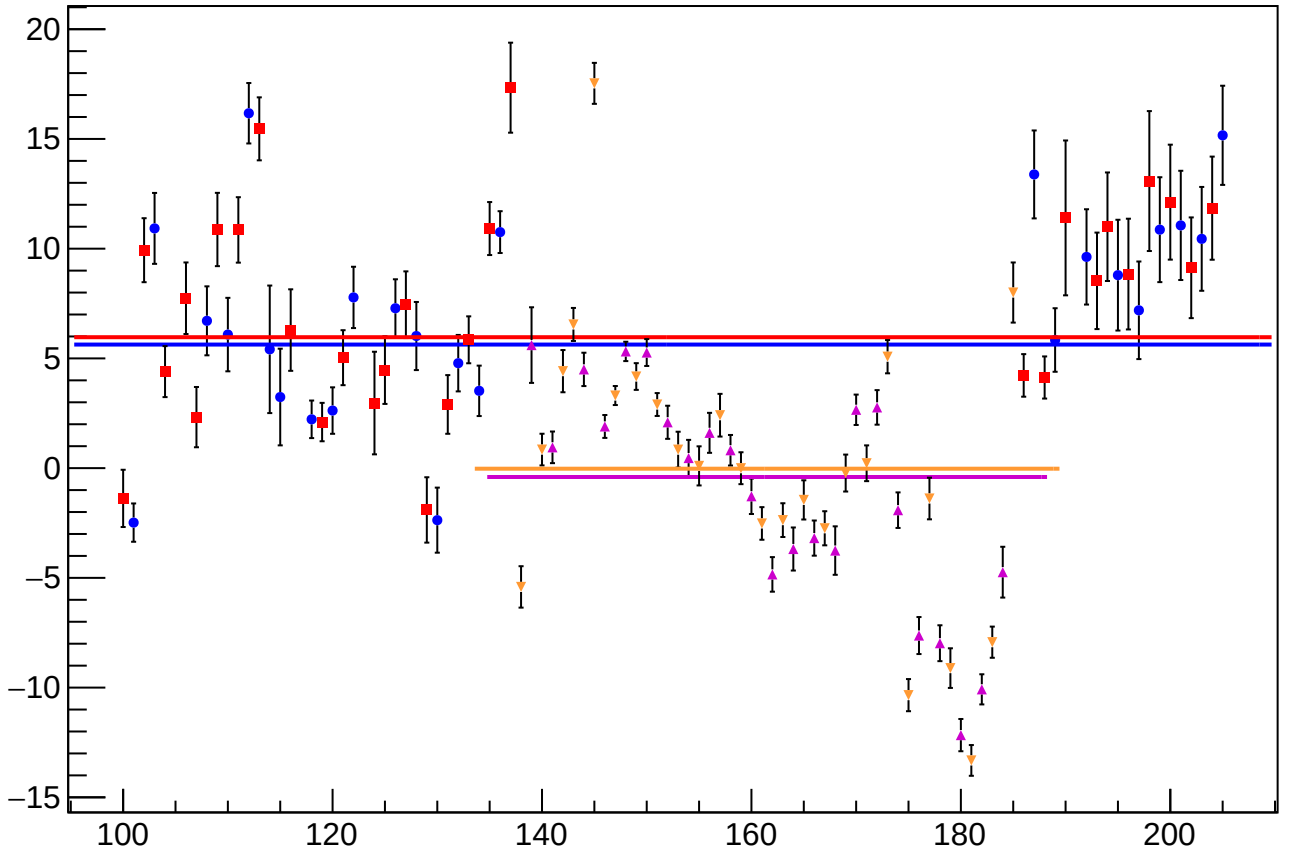
Left: -27.988+/-0.144 χ^2/NDF: 7475.8/47

Right: -42.145+/-0.183 χ^2/NDF: 8558.1/53

In: -32.935+/-0.164 χ^2/NDF:7513.9/47

Out: -33.835+/-0.156 χ^2/NDF:12214.5/53

All: -33.409+/-0.113 χ^2/NDF: 19744.2/101



Right In: 5.631+/-0.289 χ^2/NDF: 299.2/24

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 5.966+/-0.273 χ^2/NDF: 251.4/28

Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

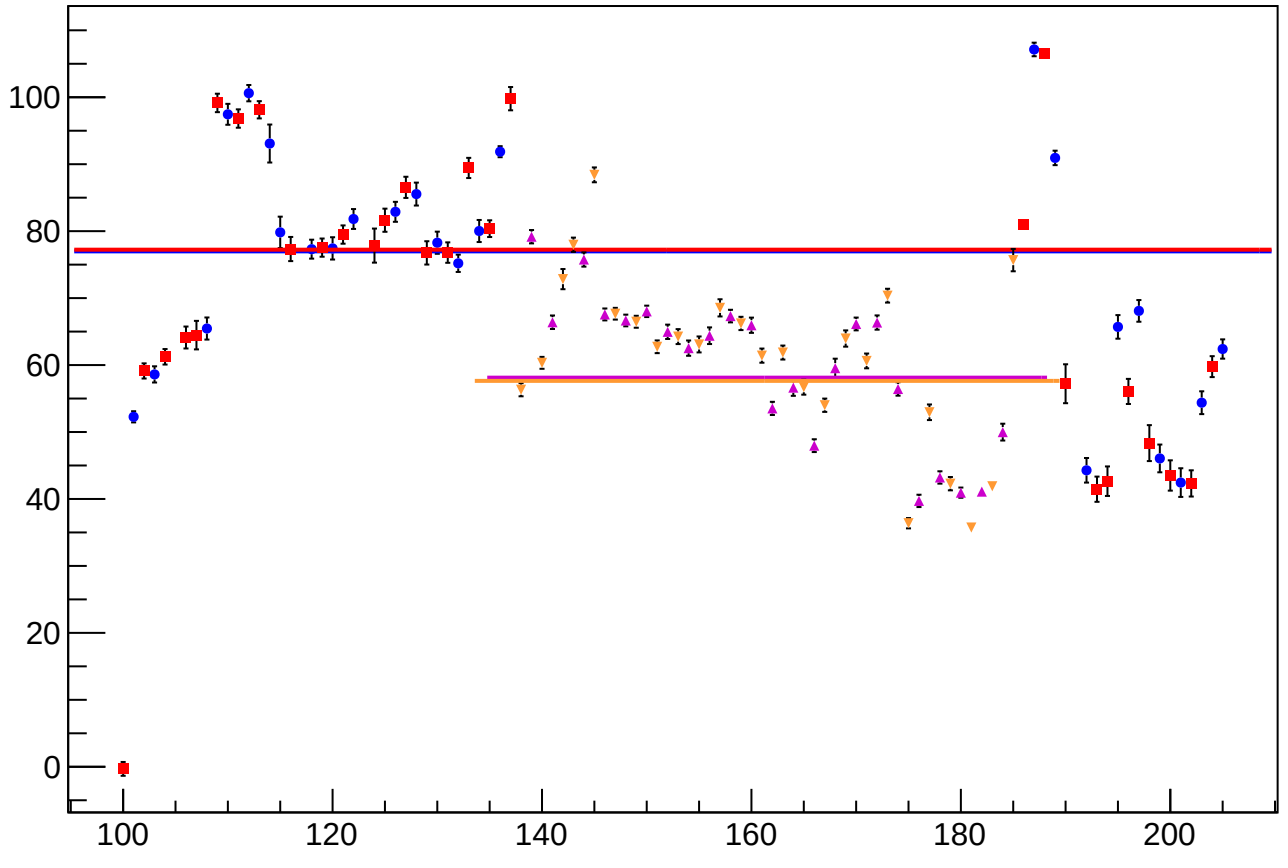
Left: -0.208+/-0.108 χ^2/NDF: 2618.9/47

Right: 5.808+/-0.198 χ^2/NDF: 551.3/53

In: 0.952+/-0.137 χ^2/NDF:1722.0/47

Out: 1.370+/-0.132 χ^2/NDF:2153.6/53

All: 1.170+/-0.095 χ^2/NDF: 3880.4/101



Right In: 76.982+/-0.279 χ^2/NDF: 4320.7/24

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 77.233+/-0.244 χ^2/NDF: 11520.9/28

Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

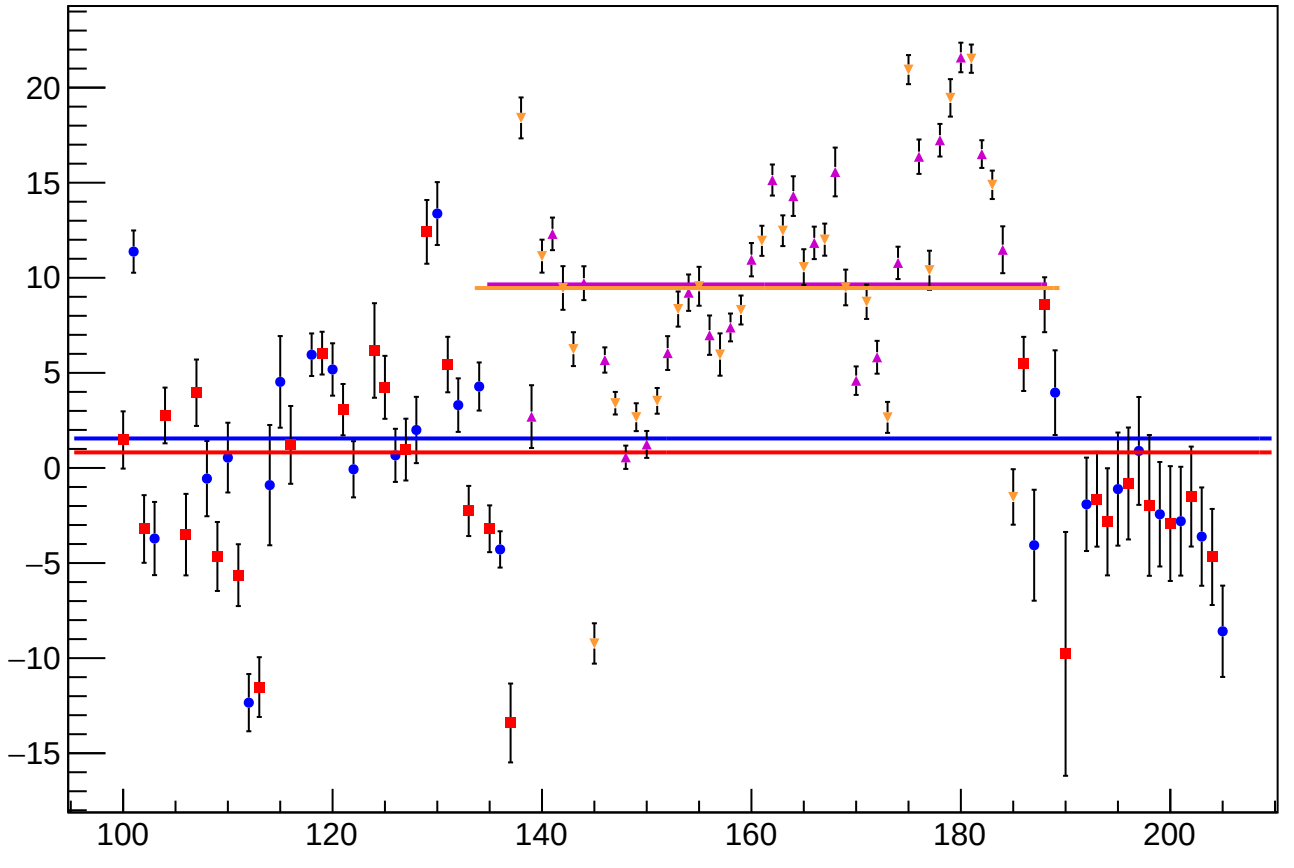
Left: 57.872+/-0.142 χ^2/NDF: 8059.4/47

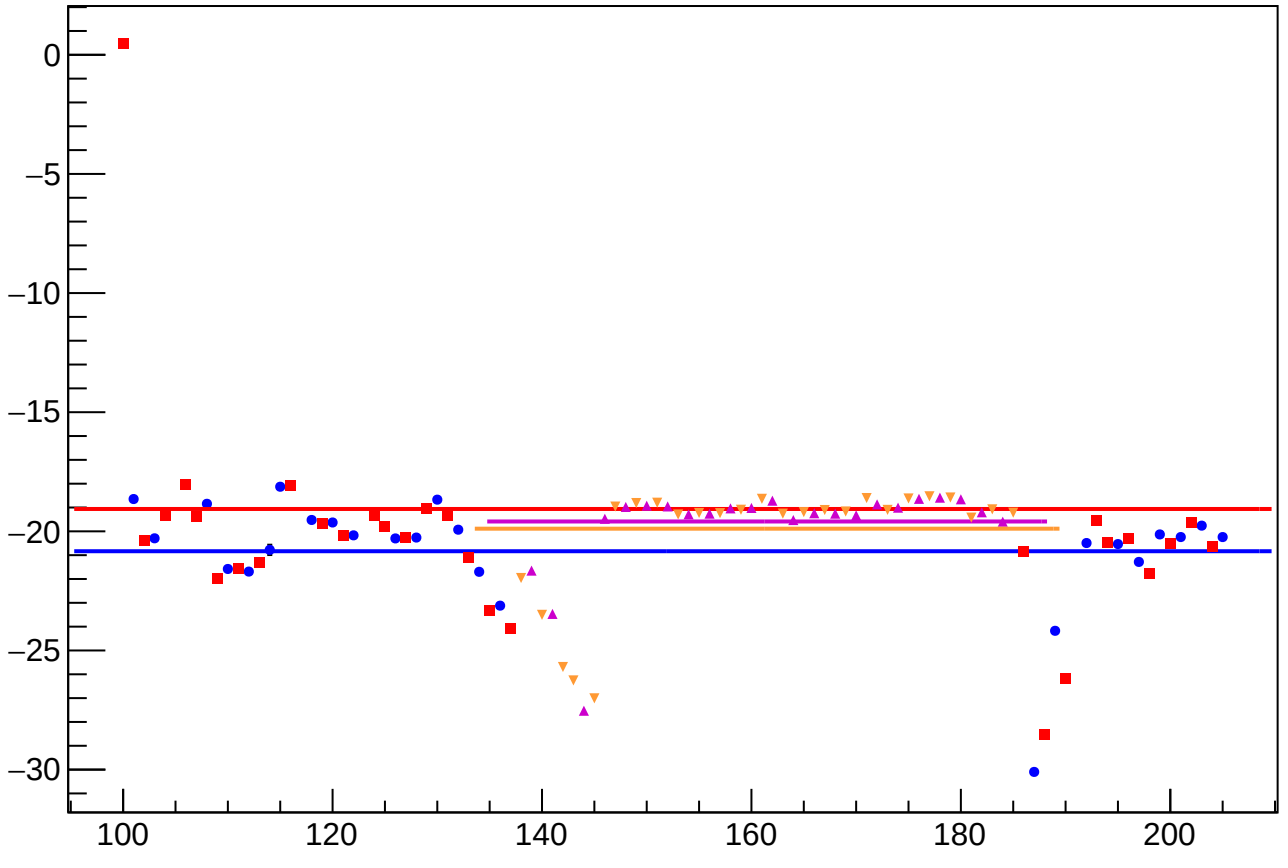
Right: 77.124+/-0.184 χ^2/NDF: 15842.0/53

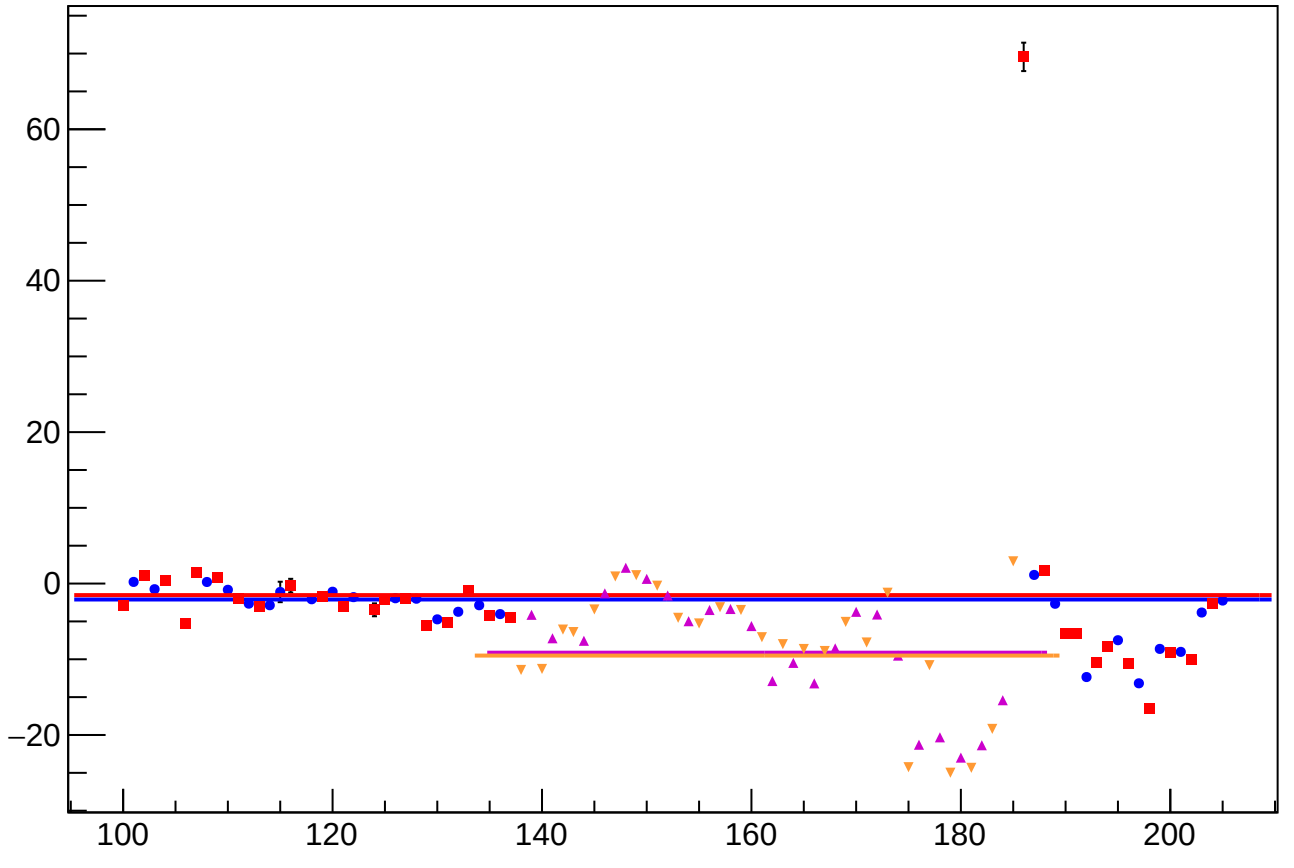
In: 64.697+/-0.164 χ^2/NDF:10751.7/47

Out: 65.473+/-0.154 χ^2/NDF:20000.0/53

All: 65.110+/-0.113 χ^2/NDF: 30763.5/101


reg_asym_right_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
20
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: 1.551+/-0.336 χ²/NDF: 327.2/24
Left Out: 9.461+/-0.172 χ²/NDF:1483.1/24
Right Out: 0.818+/-0.324 χ²/NDF: 308.2/28
Left In: 9.650+/-0.177 χ²/NDF:1078.5/22
Left: 9.553+/-0.123 χ²/NDF: 2562.3/47
Right: 1.172+/-0.233 χ²/NDF: 637.8/53
In: 7.896+/-0.156 χ²/NDF:1861.3/47
Out: 7.568+/-0.152 χ²/NDF:2346.5/53
All: 7.727+/-0.109 χ²/NDF: 4210.1/101


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: -20.835+/-0.017 χ²/NDF: 12114.4/24
Left Out: -19.889+/-0.008 χ²/NDF:78512.6/24
Right Out: -19.061+/-0.016 χ²/NDF: 171850.9/28
Left In: -19.586+/-0.008 χ²/NDF:45085.3/22
Left: -19.739+/-0.006 χ²/NDF: 124326.8/47
Right: -19.909+/-0.011 χ²/NDF: 189970.2/53
In: -19.821+/-0.007 χ²/NDF:61824.7/47
Out: -19.724+/-0.007 χ²/NDF:252555.9/53
All: -19.772+/-0.005 χ²/NDF: 314473.8/101



Right In: -2.105+/-0.050 χ^2/NDF: 3310.3/24

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

Right Out: -1.525+/-0.046 χ^2/NDF: 6866.7/29

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

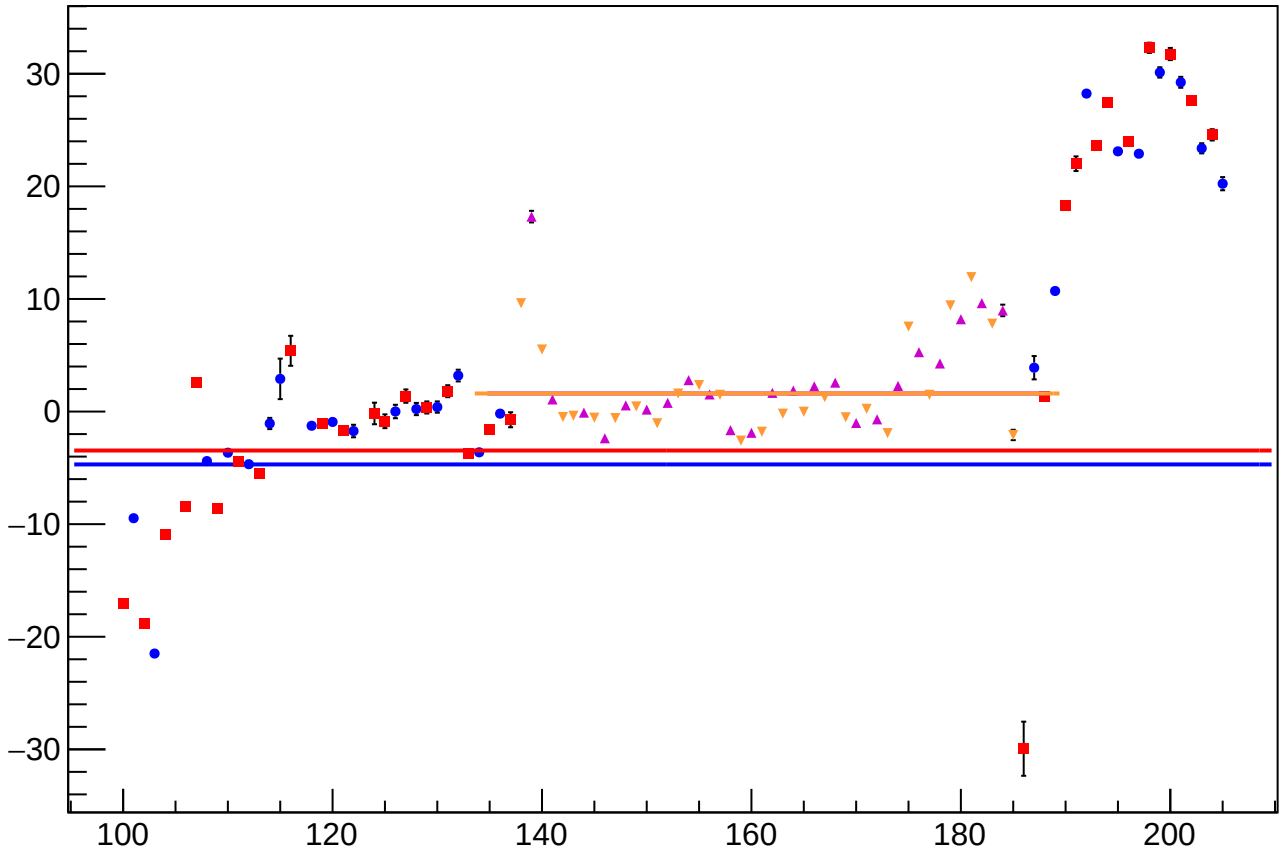
Left: -9.327+/-0.052 χ^2/NDF: 23320.3/47

Right: -1.790+/-0.034 χ^2/NDF: 10249.1/54

In: -4.292+/-0.042 χ^2/NDF:19782.1/47

Out: -3.818+/-0.039 χ^2/NDF:28402.1/54

All: -4.039+/-0.028 χ^2/NDF: 48253.2/102



Right In: -4.695+/-0.053 χ^2/NDF: 54151.7/24

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.460+/-0.053 χ^2/NDF: 60483.9/29

Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

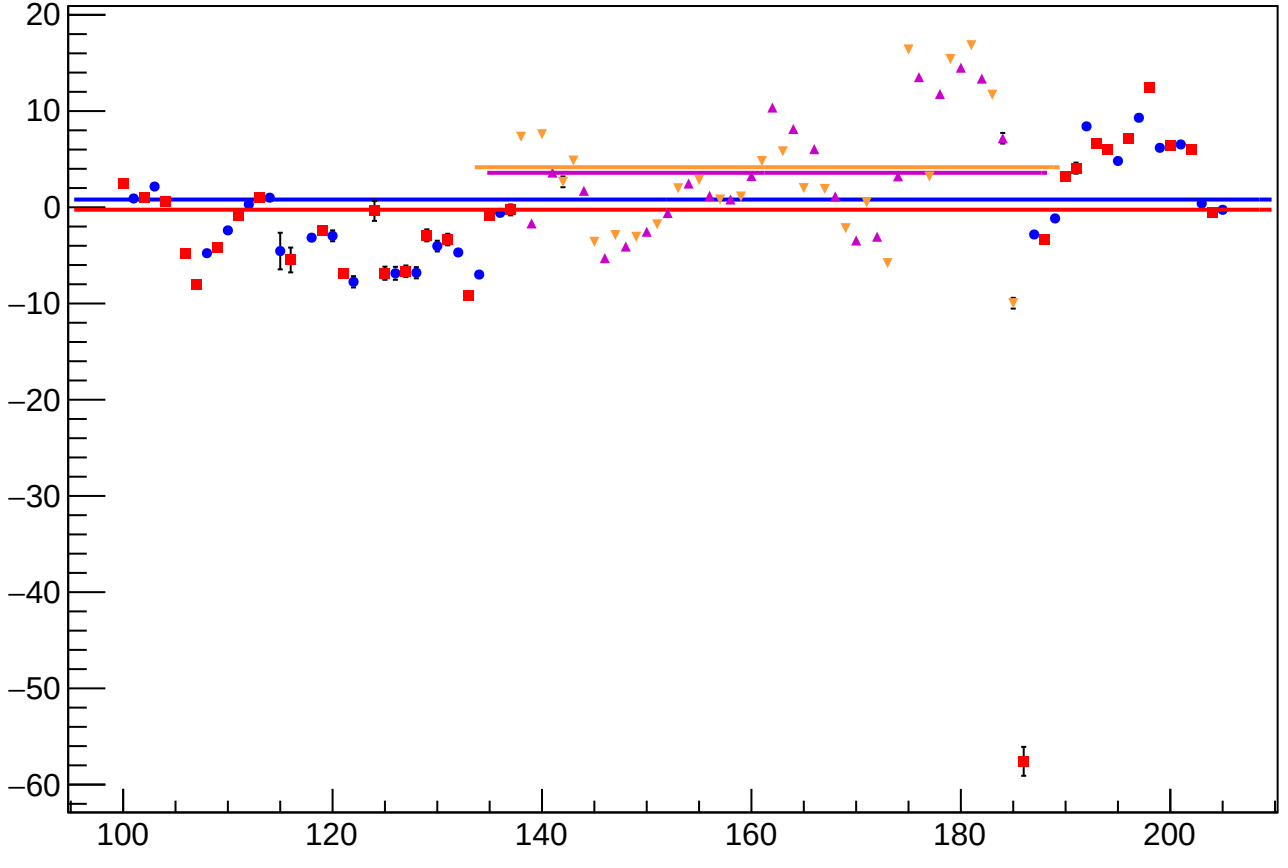
Left: 1.605+/-0.040 χ^2/NDF: 8333.6/47

Right: -4.069+/-0.037 χ^2/NDF: 114908.3/54

In: -1.796+/-0.039 χ^2/NDF:64249.1/47

Out: -1.052+/-0.038 χ^2/NDF:69582.9/54

All: -1.413+/-0.027 χ^2/NDF: 134018.0/102



Right In: 0.806+/-0.048 χ^2/NDF: 4153.3/24

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.250+/-0.047 χ^2/NDF: 8121.7/29

Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

Left: 3.883+/-0.052 χ^2/NDF: 16506.8/47

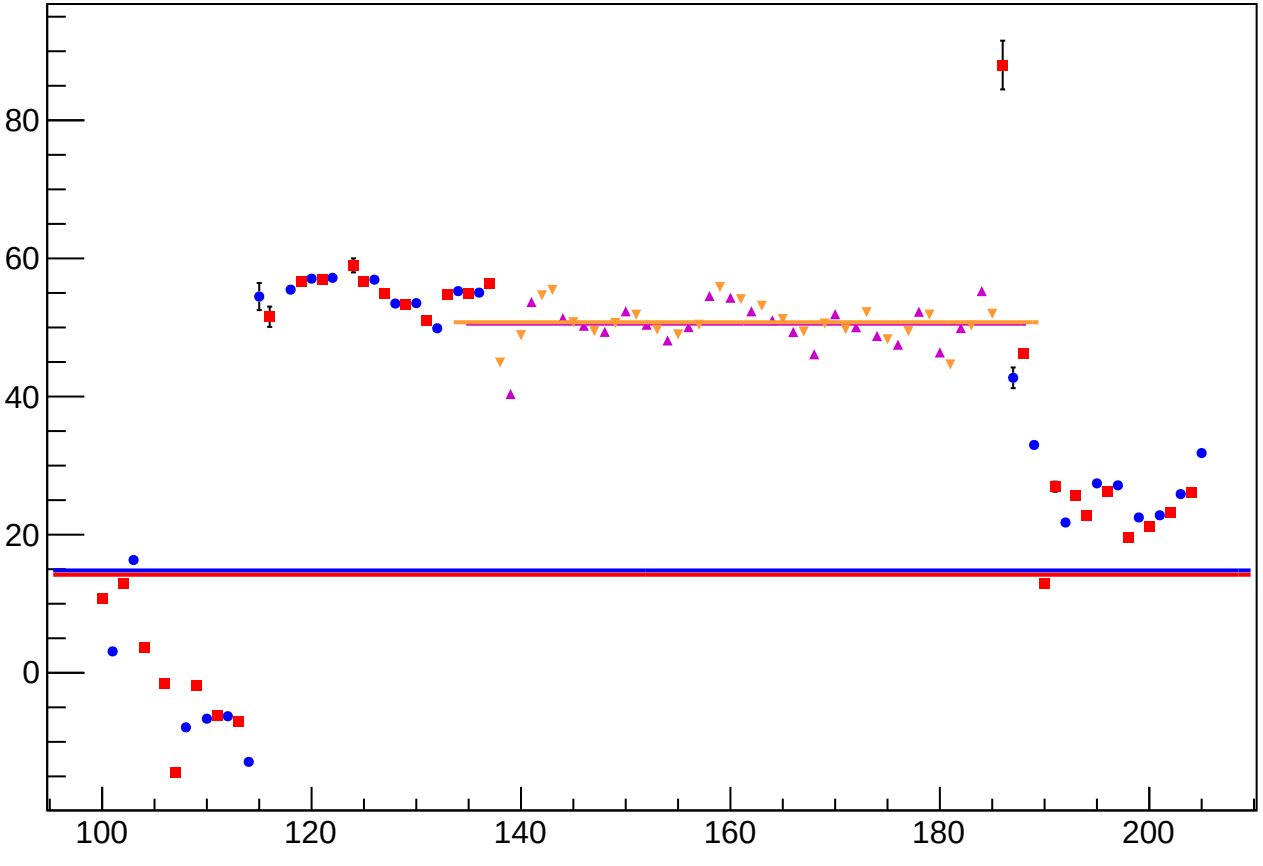
Right: 0.258+/-0.034 χ^2/NDF: 12522.9/54

In: 1.637+/-0.040 χ^2/NDF:12370.8/47

Out: 1.049+/-0.039 χ^2/NDF:20017.6/54

All: 1.333+/-0.028 χ^2/NDF: 32497.7/102

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 14.820+/-0.063 χ^2/NDF: 113906.0/24

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.198+/-0.062 χ^2/NDF: 129764.1/29

Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

Left: 50.659+/-0.045 χ^2/NDF: 3471.7/47

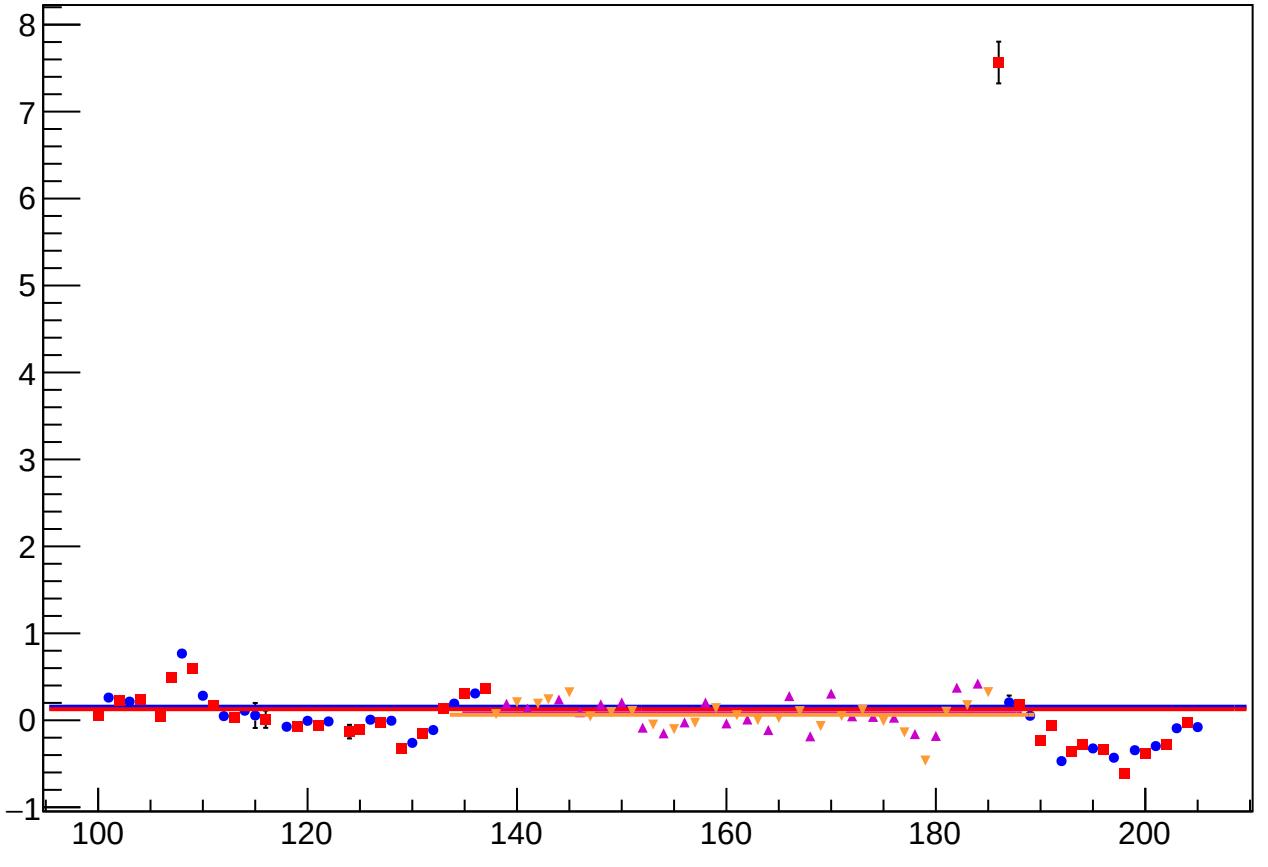
Right: 14.504+/-0.045 χ^2/NDF: 243719.0/54

In: 32.315+/-0.045 χ^2/NDF:270940.4/47

Out: 32.481+/-0.044 χ^2/NDF:302952.1/54

All: 32.400+/-0.032 χ^2/NDF: 573899.4/102

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.156+/-0.003 χ^2/NDF: 12639.7/24

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.128+/-0.002 χ^2/NDF: 12529.5/29

Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

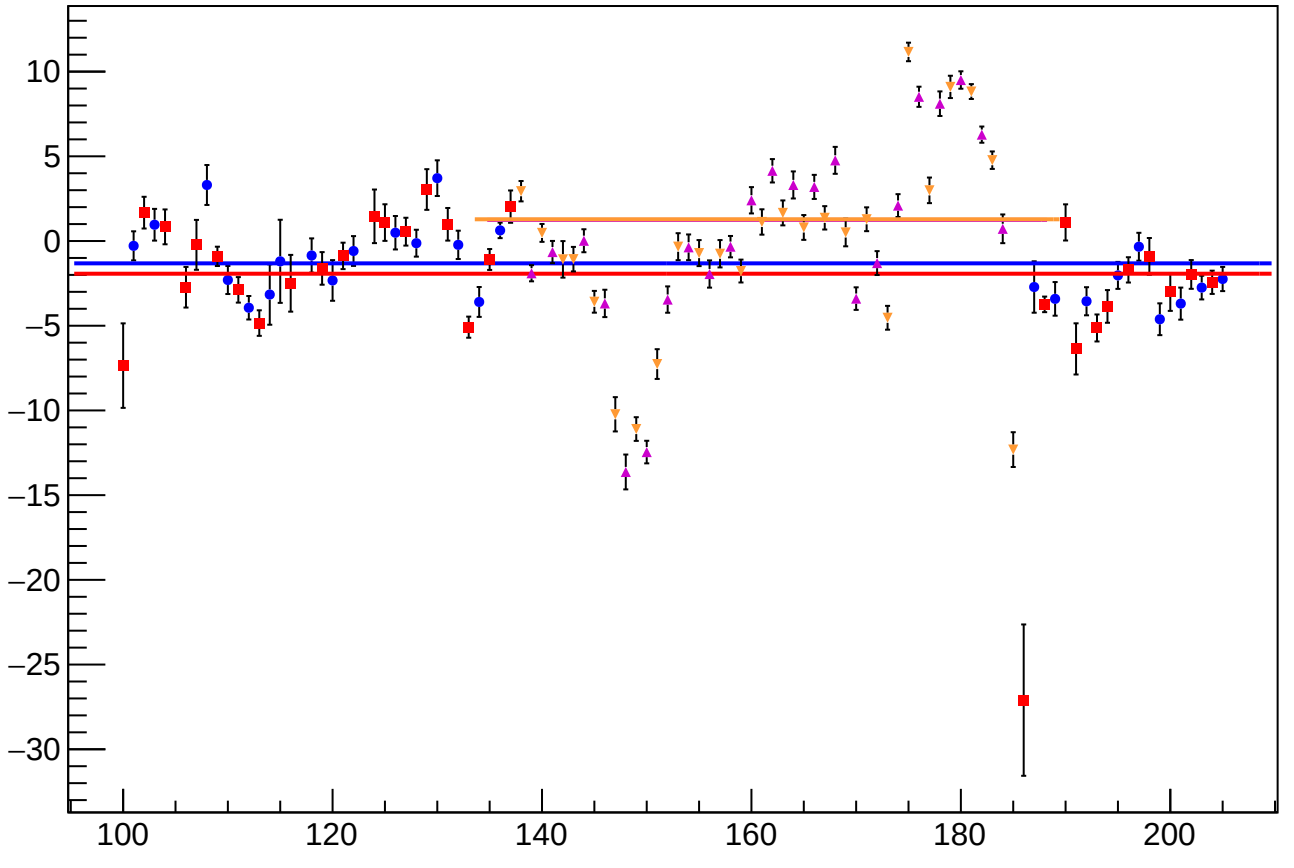
Left: 0.071+/-0.002 χ^2/NDF: 6029.9/47

Right: 0.142+/-0.002 χ^2/NDF: 25236.4/54

In: 0.123+/-0.002 χ^2/NDF:16497.3/47

Out: 0.100+/-0.002 χ^2/NDF:15399.3/54

All: 0.111+/-0.001 χ^2/NDF: 31970.3/102



Right In: -1.318+/-0.173 χ^2/NDF: 135.4/24

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.930+/-0.159 χ^2/NDF: 229.5/29

Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

Left: 1.265+/-0.098 χ^2/NDF: 3228.0/47

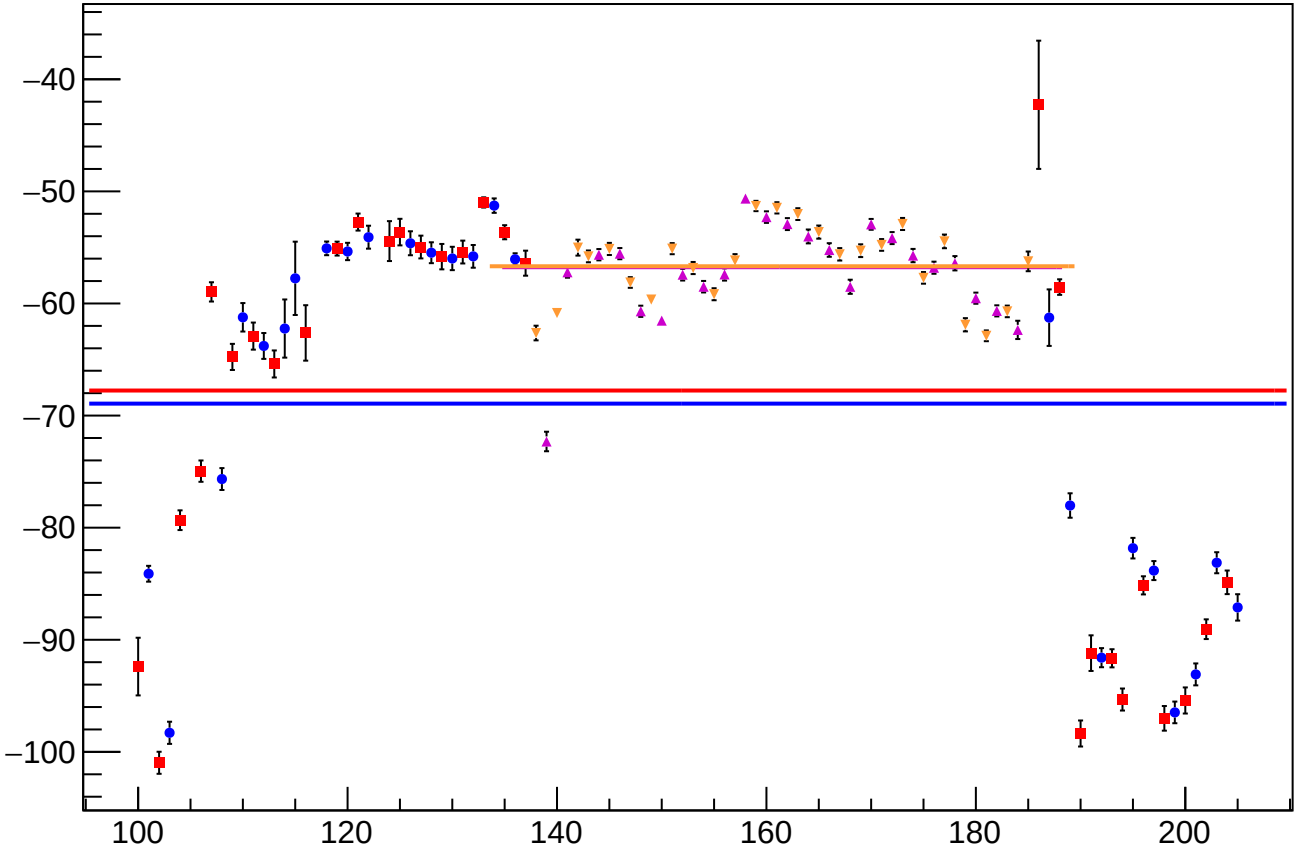
Right: -1.650+/-0.117 χ^2/NDF: 371.6/54

In: 0.227+/-0.109 χ^2/NDF:1780.3/47

Out: -0.087+/-0.104 χ^2/NDF:2179.6/54

All: 0.063+/-0.075 χ^2/NDF: 3964.3/102

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -68.934+/-0.183 χ^2/NDF: 7728.9/24

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -67.766+/-0.170 χ^2/NDF: 10334.9/29

Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

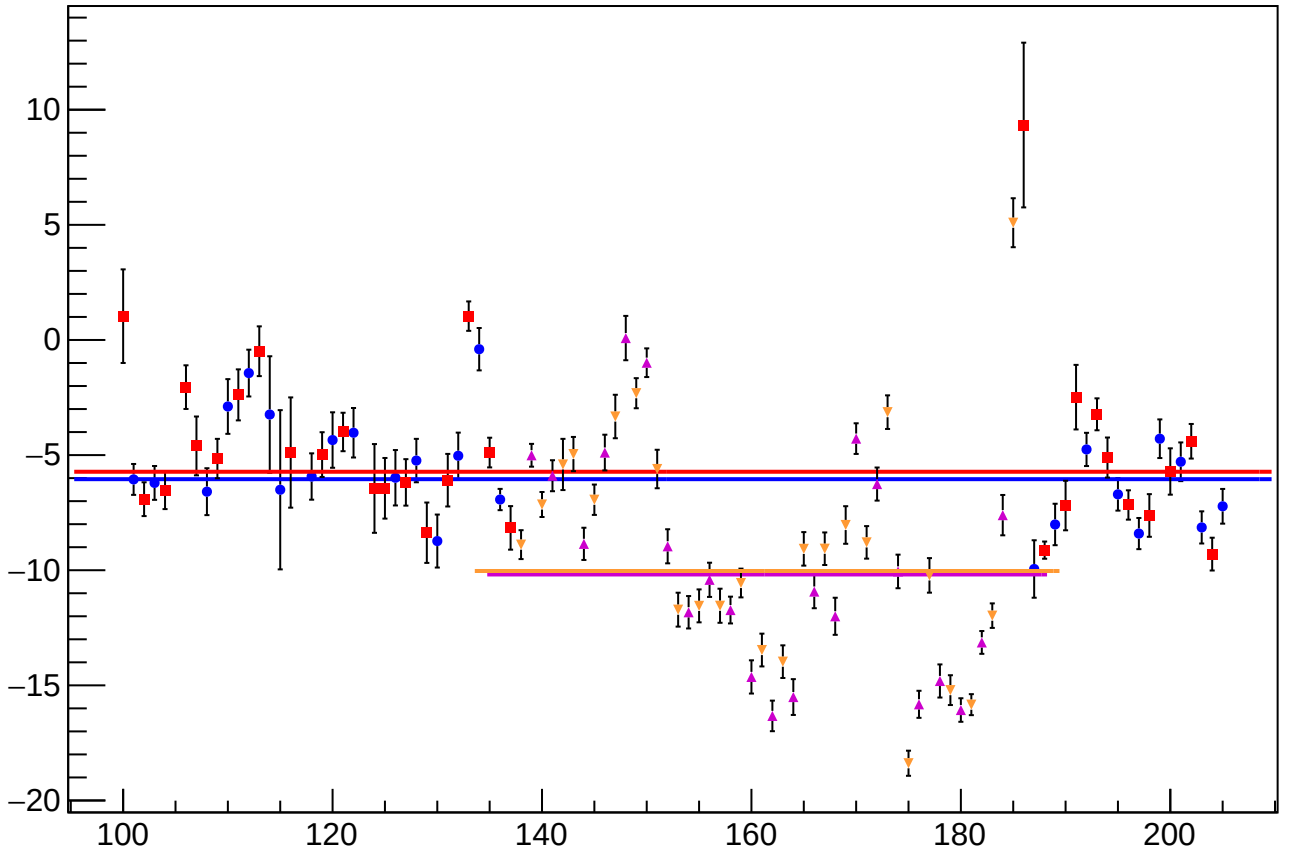
Left: -56.721+/-0.077 χ^2/NDF: 2123.6/47

Right: -68.307+/-0.125 χ^2/NDF: 18085.6/54

In: -60.073+/-0.096 χ^2/NDF:12049.2/47

Out: -59.830+/-0.091 χ^2/NDF:14386.5/54

All: -59.945+/-0.066 χ^2/NDF: 26439.1/102



Right In: -6.046+/-0.173 χ^2/NDF: 130.7/24

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.723+/-0.157 χ^2/NDF: 352.7/29

Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

Left: -10.107+/-0.097 χ^2/NDF: 2325.6/47

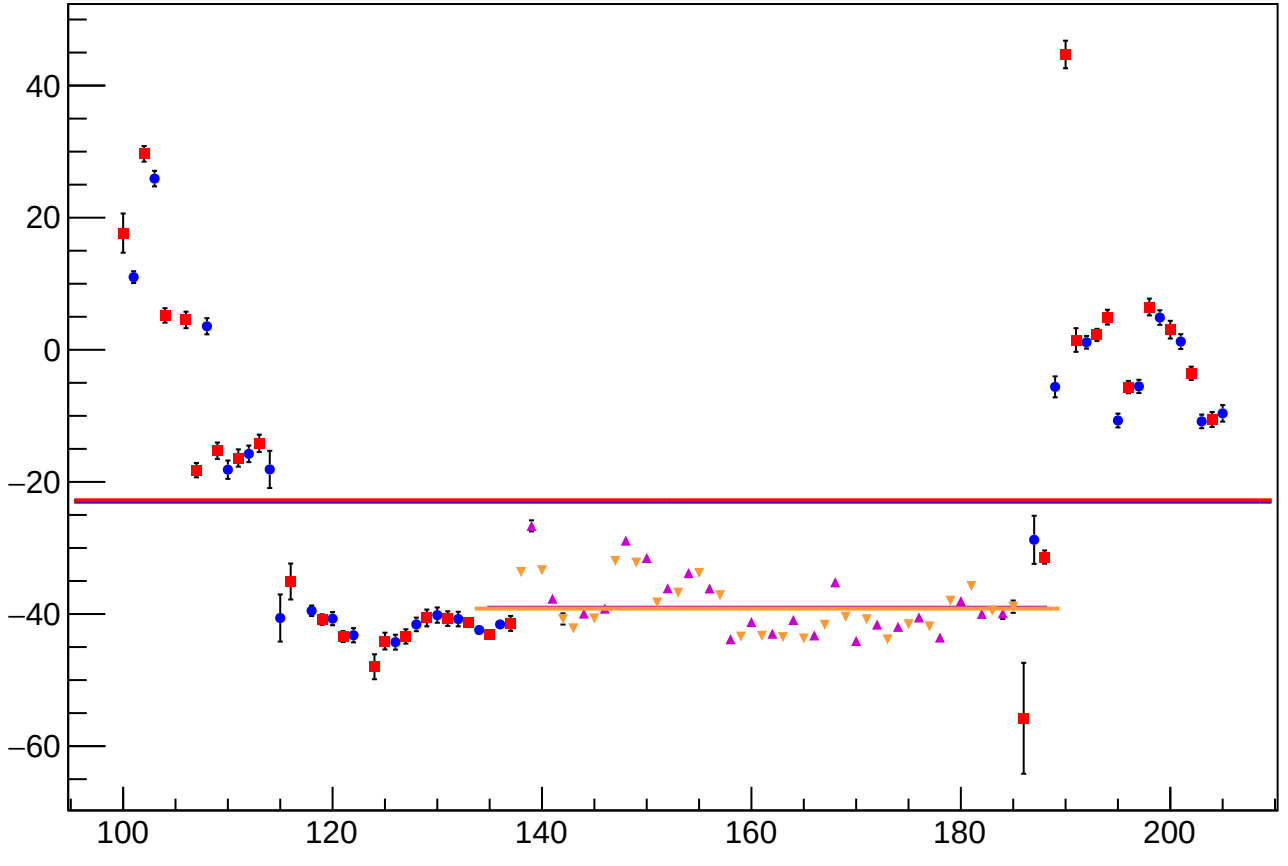
Right: -5.869+/-0.116 χ^2/NDF: 485.3/54

In: -8.555+/-0.108 χ^2/NDF:1621.6/47

Out: -8.182+/-0.103 χ^2/NDF:1965.2/54

All: -8.359+/-0.075 χ^2/NDF: 3593.1/102

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -22.983+/-0.210 χ^2/NDF: 10405.0/24

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.789+/-0.199 χ^2/NDF: 12573.0/29

Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

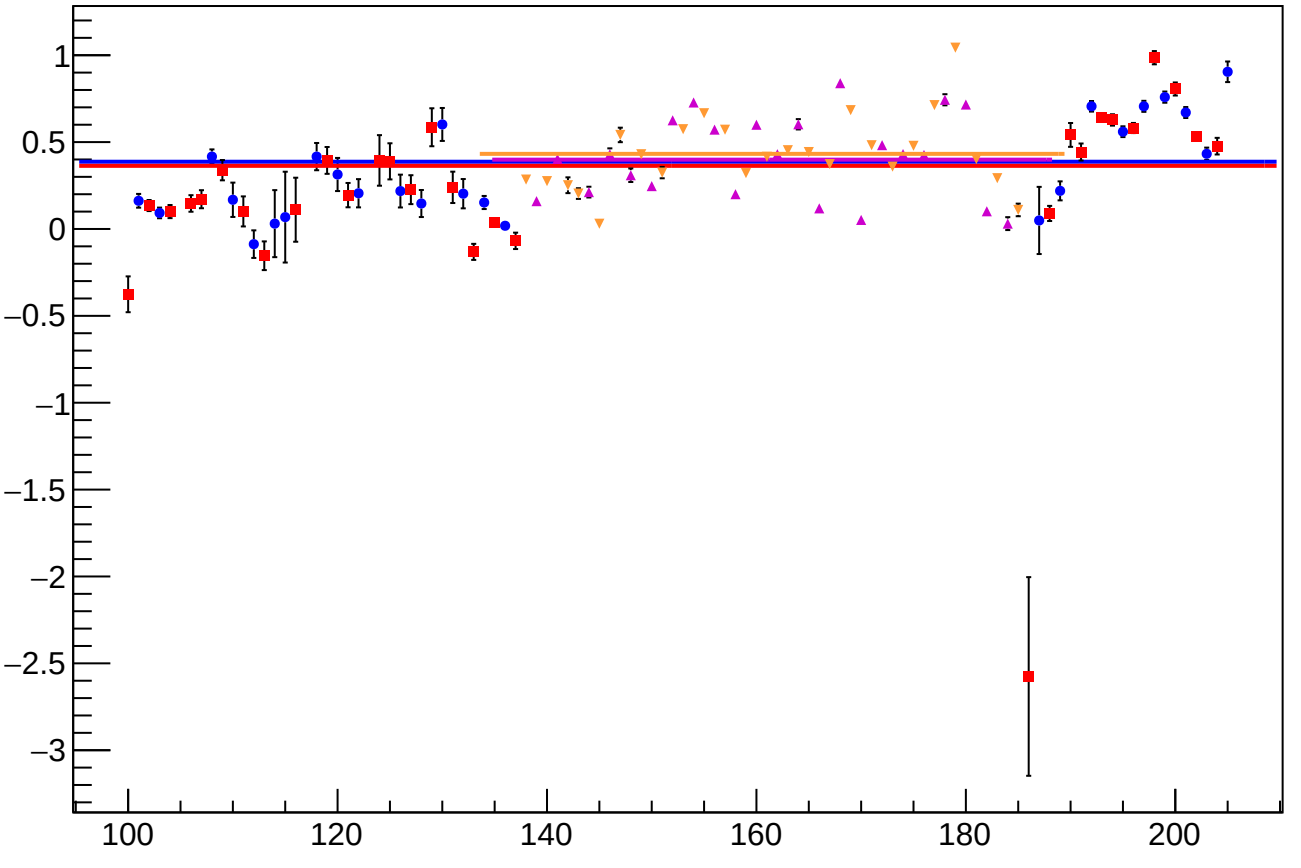
Left: -39.116+/-0.086 χ^2/NDF: 2261.1/47

Right: -22.881+/-0.144 χ^2/NDF: 22978.4/54

In: -34.876+/-0.107 χ^2/NDF:15967.4/47

Out: -34.804+/-0.103 χ^2/NDF:18592.0/54

All: -34.839+/-0.074 χ^2/NDF: 34559.6/102



Right In: 0.387+/-0.009 χ^2/NDF: 1076.6/24

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.363+/-0.008 χ^2/NDF: 1350.8/29

Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

Left: 0.416+/-0.004 χ^2/NDF: 3312.1/47

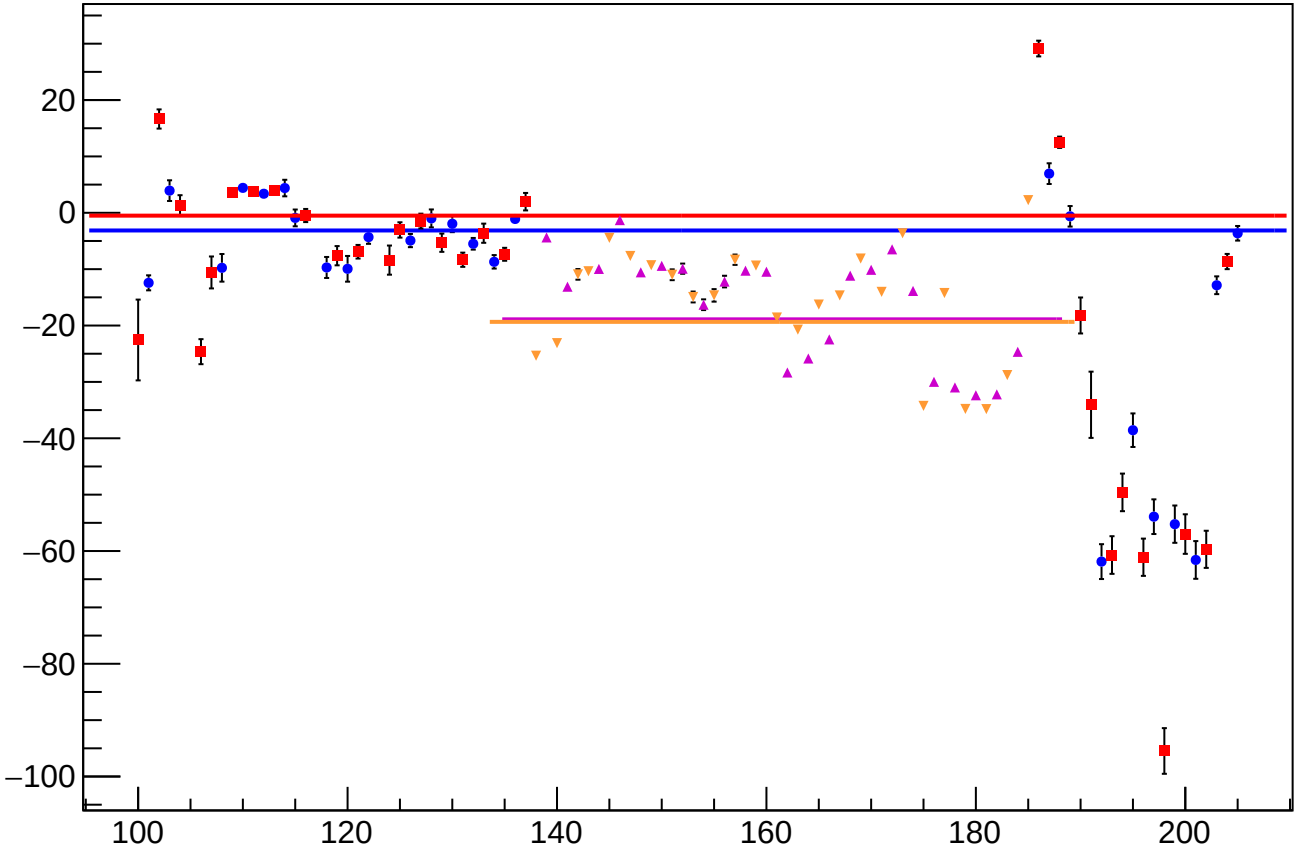
Right: 0.375+/-0.006 χ^2/NDF: 2431.2/54

In: 0.396+/-0.005 χ^2/NDF:3001.7/47

Out: 0.413+/-0.004 χ^2/NDF:2767.5/54

All: 0.404+/-0.003 χ^2/NDF: 5776.3/102

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.136+/-0.260 χ^2/NDF: 1783.6/24

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.506+/-0.244 χ^2/NDF: 3257.4/29

Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

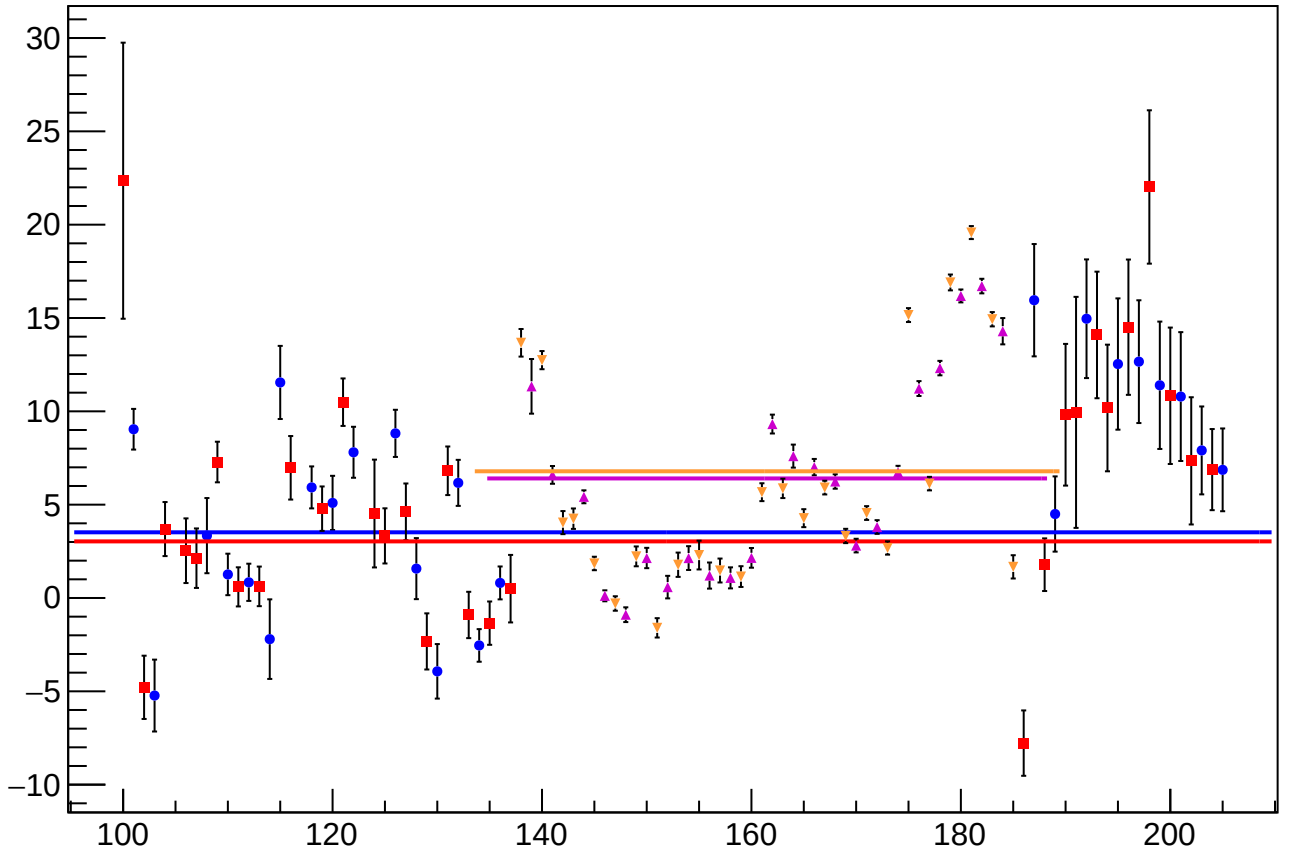
Left: -19.130+/-0.081 χ^2/NDF: 18688.5/47

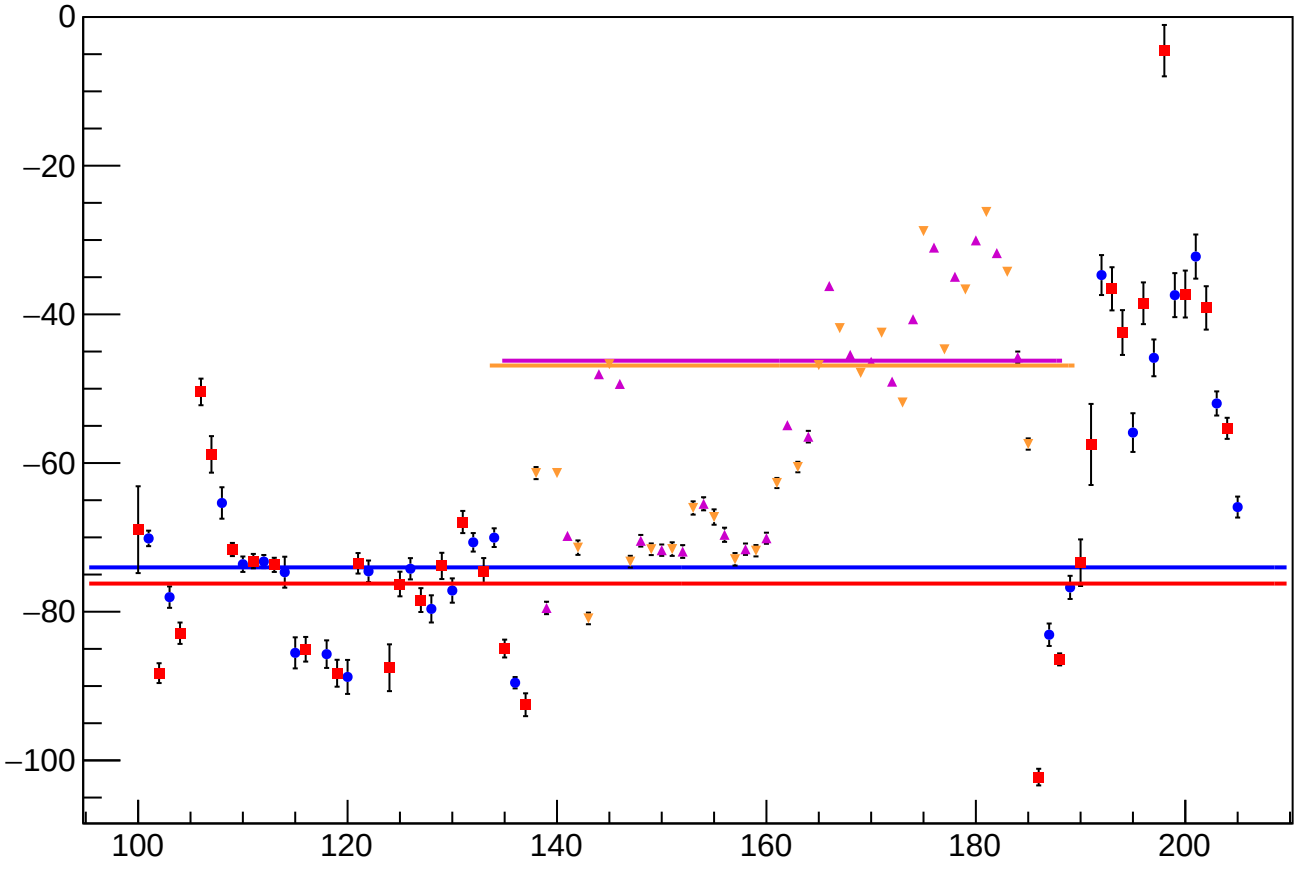
Right: -1.737+/-0.178 χ^2/NDF: 5095.4/54

In: -16.278+/-0.106 χ^2/NDF:13136.8/47

Out: -16.001+/-0.103 χ^2/NDF:18557.7/54

All: -16.135+/-0.074 χ^2/NDF: 31698.0/102


reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
30
25
20
15
10
5
0
−5
−10
100
120
140
160
180
200
Right In: 3.519+/-0.297 χ²/NDF: 264.6/24
Left Out: 6.788+/-0.090 χ²/NDF:4632.5/24
Right Out: 3.032+/-0.298 χ²/NDF: 244.4/29
Left In: 6.404+/-0.091 χ²/NDF:3410.4/22
Left: 6.598+/-0.064 χ²/NDF: 8051.9/47
Right: 3.277+/-0.210 χ²/NDF: 510.3/54
In: 6.155+/-0.087 χ²/NDF:3761.5/47
Out: 6.474+/-0.086 χ²/NDF:5022.1/54
All: 6.316+/-0.061 χ²/NDF: 8790.3/102



Right In: -74.036+/-0.291 χ^2/NDF: 1592.8/24

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.215+/-0.279 χ^2/NDF: 2861.5/29

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

Left: -46.563+/-0.081 χ^2/NDF: 33159.8/47

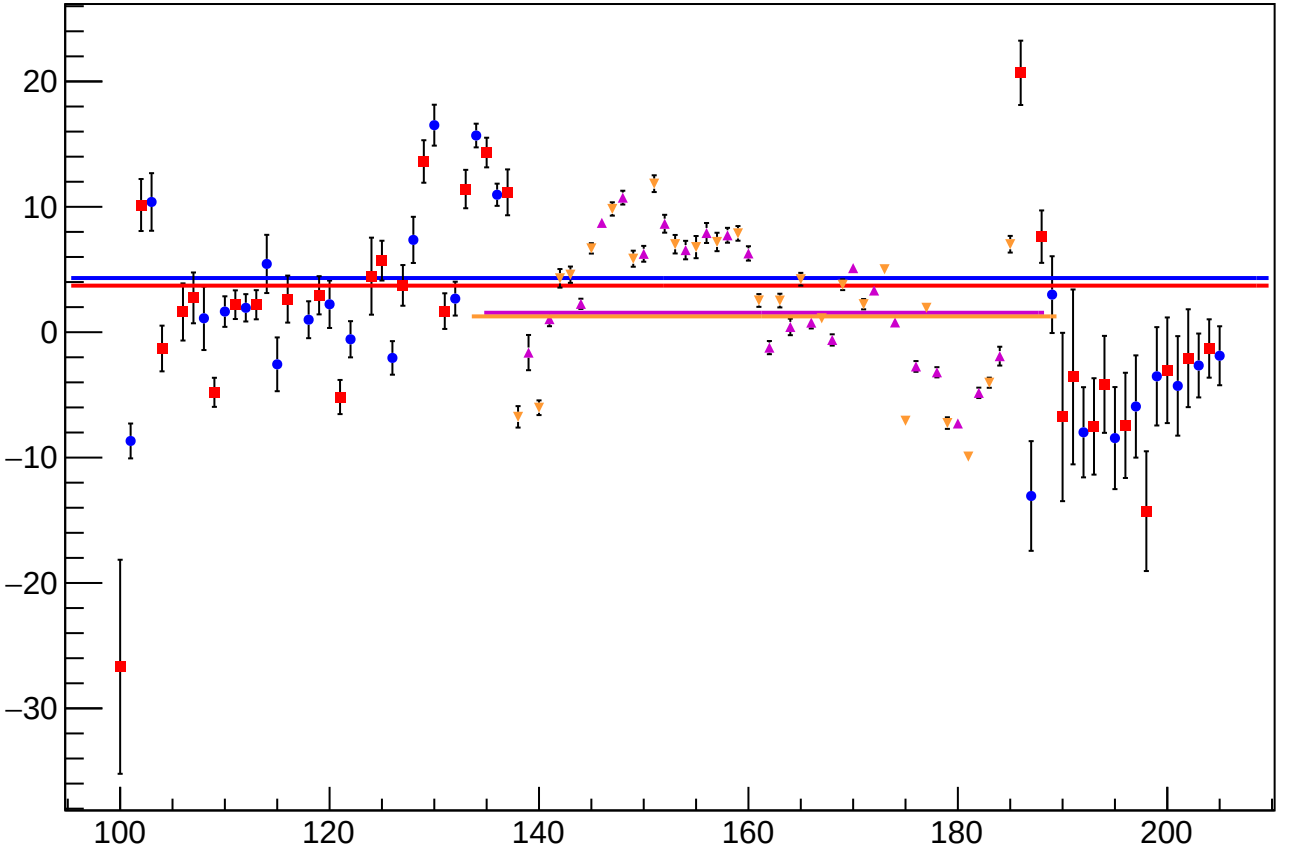
Right: -75.173+/-0.201 χ^2/NDF: 4483.6/54

In: -50.057+/-0.108 χ^2/NDF:24631.1/47

Out: -51.083+/-0.105 χ^2/NDF:30333.6/54

All: -50.582+/-0.075 χ^2/NDF: 55010.9/102

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 4.320+/-0.333 χ^2/NDF: 484.7/24

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.714+/-0.341 χ^2/NDF: 385.8/29

Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

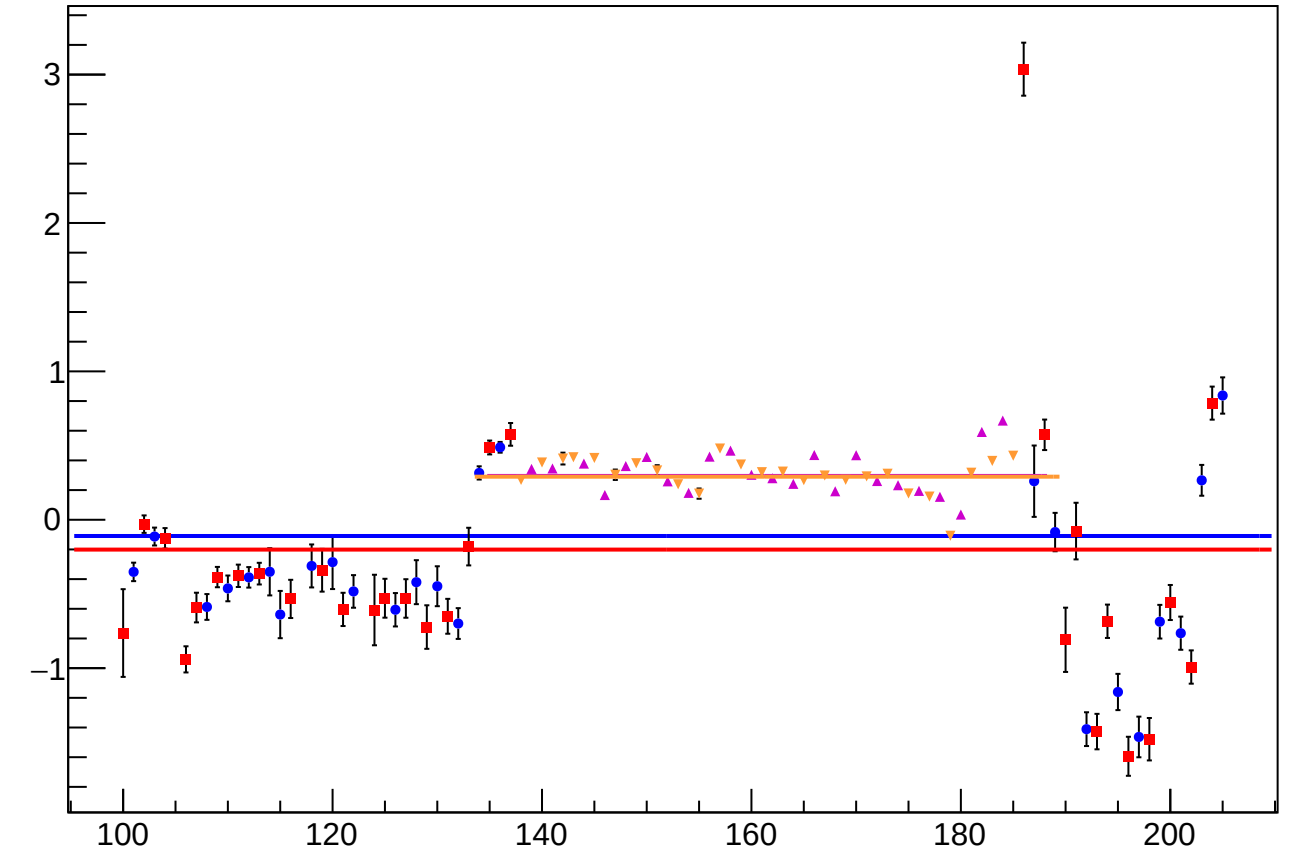
Left: 1.404+/-0.072 χ^2/NDF: 5785.4/47

Right: 4.024+/-0.238 χ^2/NDF: 872.1/54

In: 1.788+/-0.098 χ^2/NDF:2883.4/47

Out: 1.457+/-0.096 χ^2/NDF:3879.2/54

All: 1.621+/-0.069 χ^2/NDF: 6768.5/102



Right In: -0.109+/-0.017 χ^2/NDF: 970.4/24

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.201+/-0.018 χ^2/NDF: 1346.6/29

Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

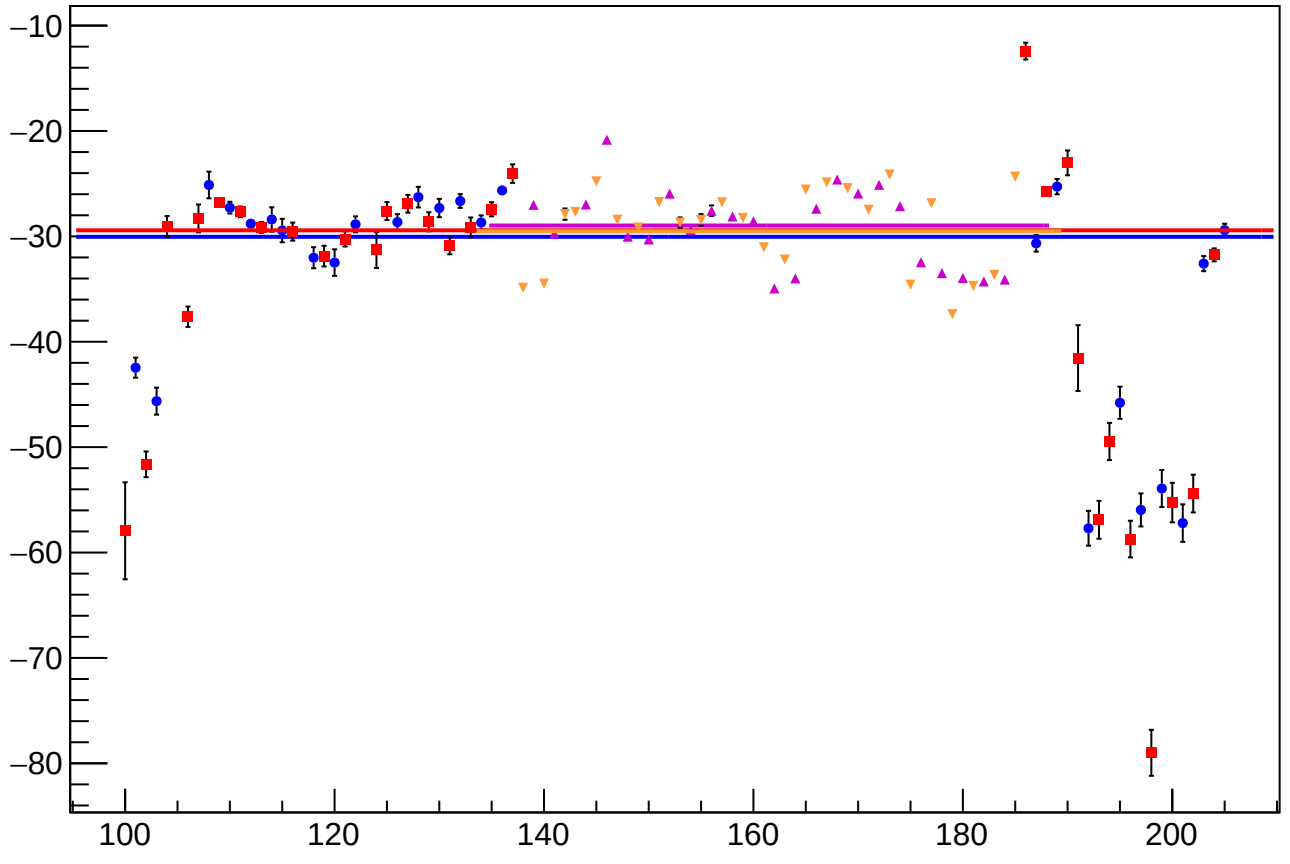
Left: 0.293+/-0.003 χ^2/NDF: 1755.3/47

Right: -0.153+/-0.012 χ^2/NDF: 2330.6/54

In: 0.269+/-0.004 χ^2/NDF:2522.8/47

Out: 0.261+/-0.004 χ^2/NDF:2772.7/54

All: 0.265+/-0.003 χ^2/NDF: 5296.9/102



Right In: -30.042+/-0.160 χ^2/NDF: 1674.1/24

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.426+/-0.154 χ^2/NDF: 2687.1/29

Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

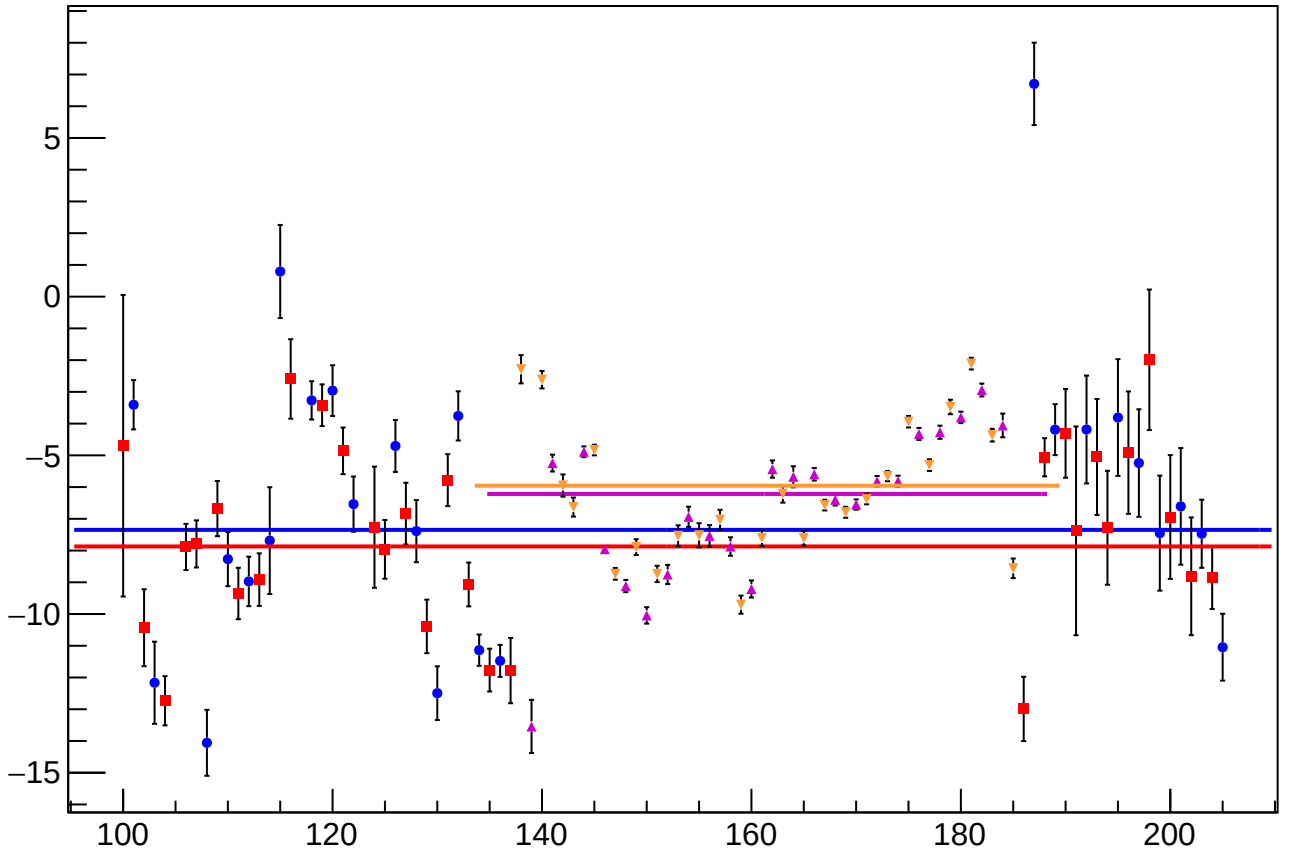
Left: -29.247+/-0.040 χ^2/NDF: 11483.3/47

Right: -29.721+/-0.111 χ^2/NDF: 4368.9/54

In: -29.091+/-0.054 χ^2/NDF:7062.3/47

Out: -29.505+/-0.053 χ^2/NDF:8775.9/54

All: -29.301+/-0.038 χ^2/NDF: 15868.5/102



Right In: -7.349+/-0.177 χ^2/NDF: 543.3/24

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.871+/-0.174 χ^2/NDF: 266.3/29

Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

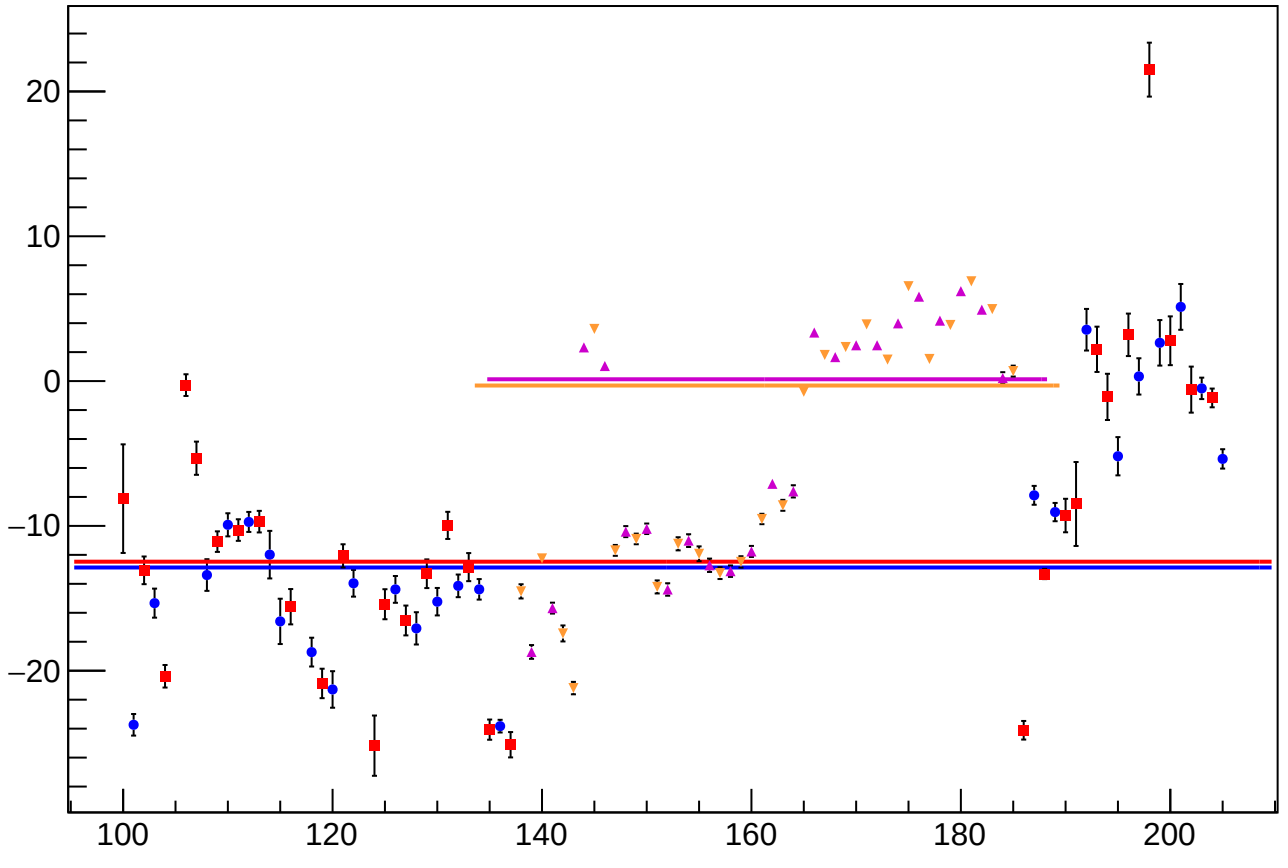
Left: -6.087+/-0.031 χ^2/NDF: 3616.9/47

Right: -7.614+/-0.124 χ^2/NDF: 814.0/54

In: -6.283+/-0.043 χ^2/NDF:2323.5/47

Out: -6.073+/-0.043 χ^2/NDF:2237.2/54

All: -6.178+/-0.030 χ^2/NDF: 4572.6/102



Right In: -12.872+/-0.171 χ^2/NDF: 1998.4/24

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.471+/-0.160 χ^2/NDF: 2436.2/29

Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

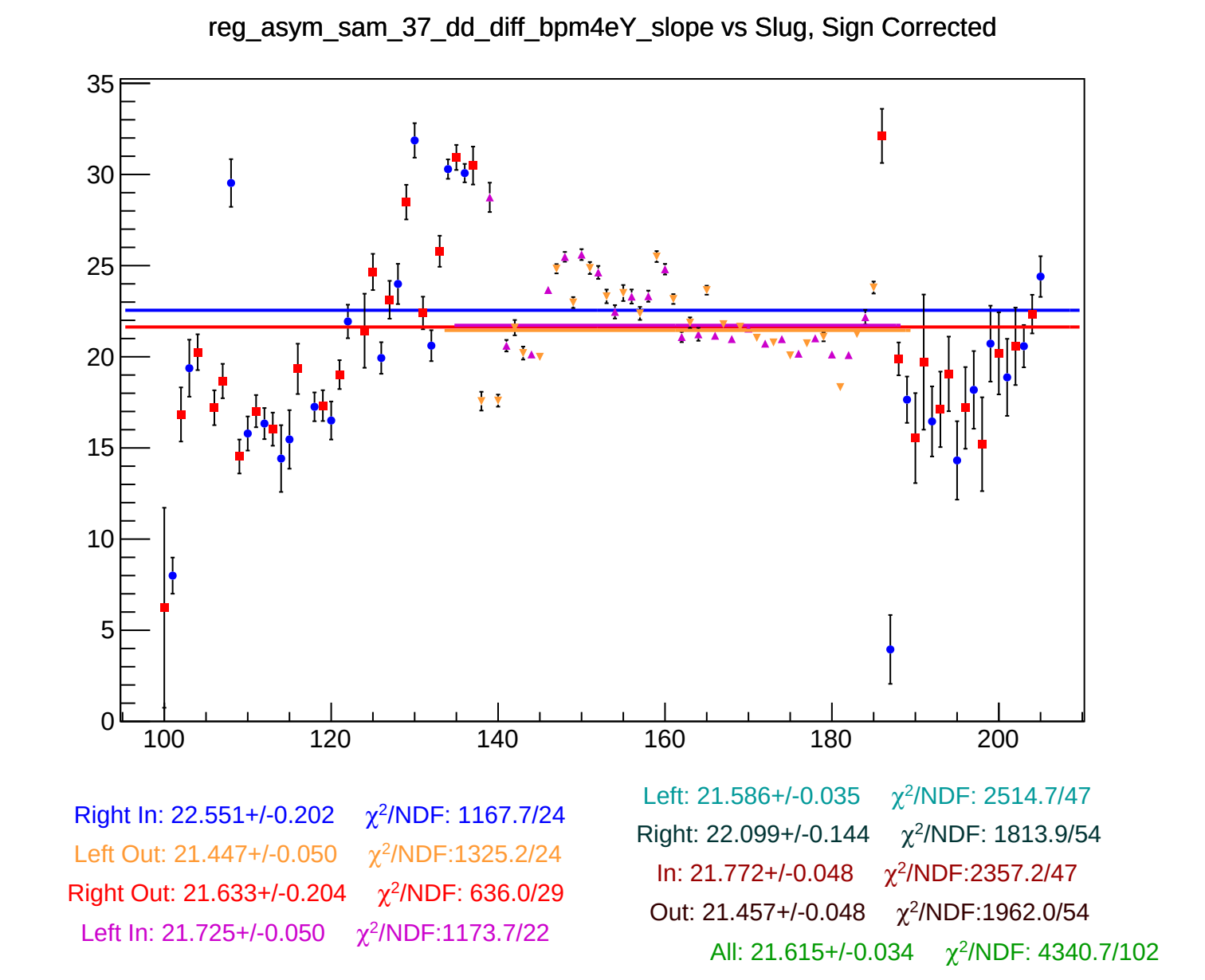
Left: -0.092+/-0.040 χ^2/NDF: 31049.0/47

Right: -12.659+/-0.117 χ^2/NDF: 4437.5/54

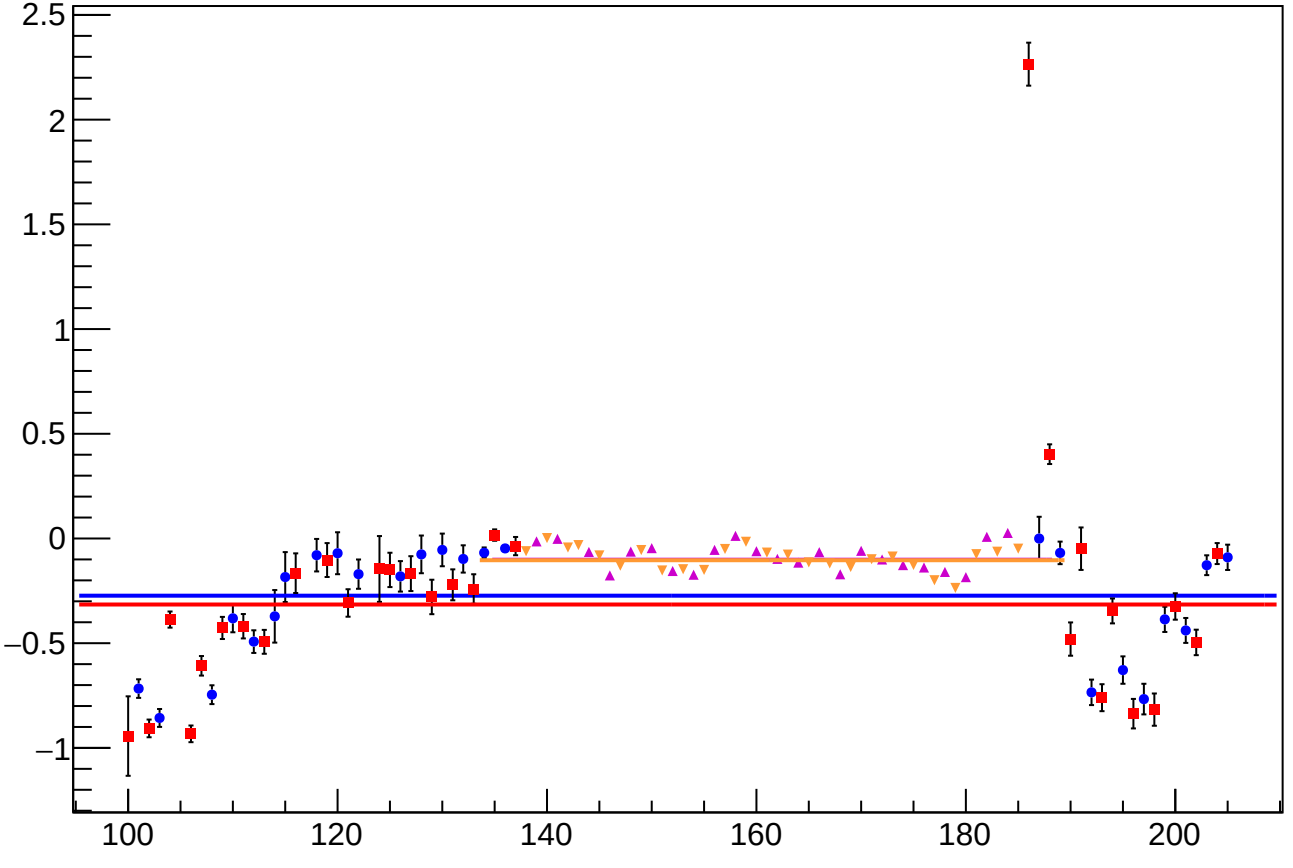
In: -1.176+/-0.054 χ^2/NDF:21041.5/47

Out: -1.650+/-0.053 χ^2/NDF:24730.3/54

All: -1.416+/-0.038 χ^2/NDF: 45810.8/102


reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
35
30
25
20
15
10
5
0
100
120
140
160
180
200
Right In: 22.551+/-0.202 χ2/NDF: 1167.7/24
Left Out: 21.447+/-0.050 χ2/NDF:1325.2/24
Right Out: 21.633+/-0.204 χ2/NDF: 636.0/29
Left In: 21.725+/-0.050 χ2/NDF:1173.7/22
Left: 21.586+/-0.035 χ2/NDF: 2514.7/47
Right: 22.099+/-0.144 χ2/NDF: 1813.9/54
In: 21.772+/-0.048 χ2/NDF:2357.2/47
Out: 21.457+/-0.048 χ2/NDF:1962.0/54
All: 21.615+/-0.034 χ2/NDF: 4340.7/102

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.273+/-0.010 χ^2/NDF: 821.2/24

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.315+/-0.010 χ^2/NDF: 1772.4/29

Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

Left: -0.103+/-0.002 χ^2/NDF: 1305.7/47

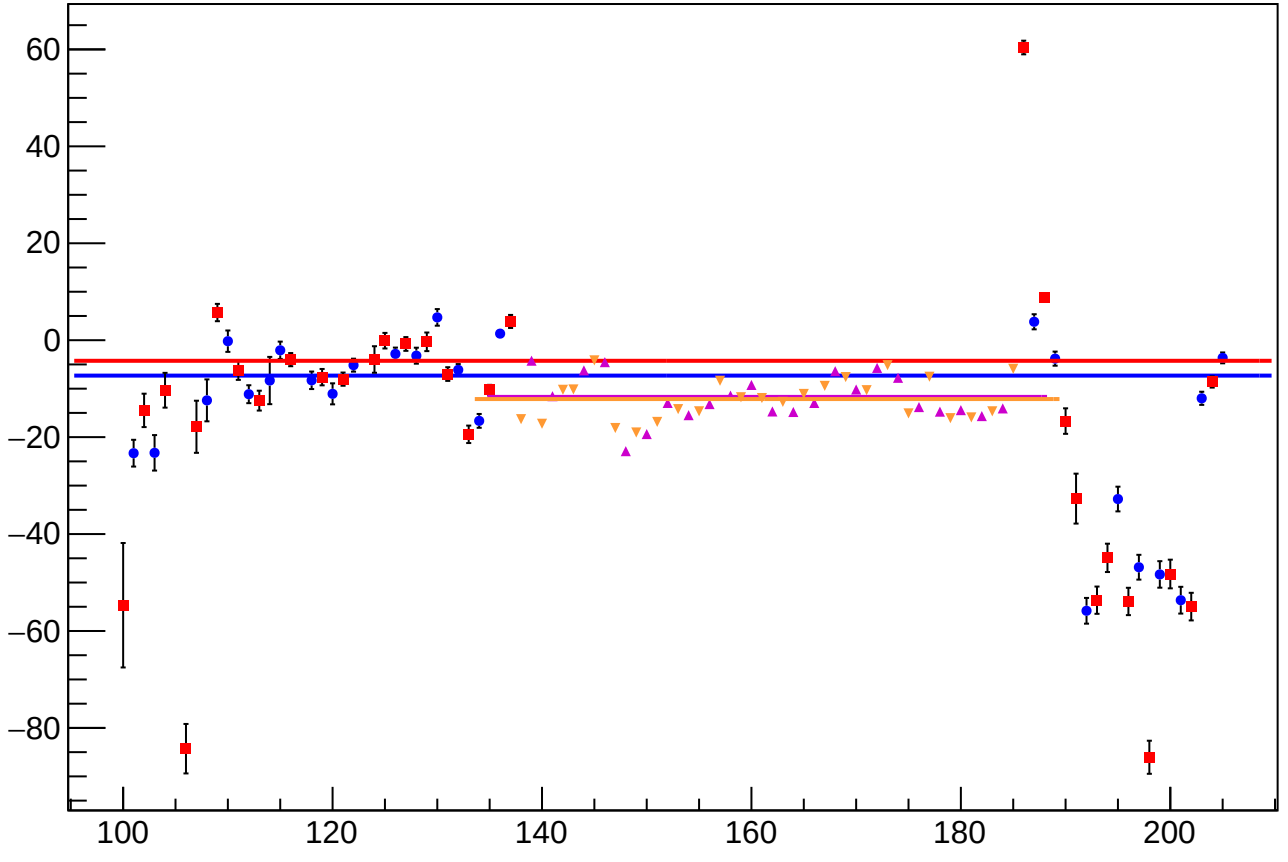
Right: -0.294+/-0.007 χ^2/NDF: 2602.0/54

In: -0.109+/-0.002 χ^2/NDF:1853.7/47

Out: -0.113+/-0.002 χ^2/NDF:2712.7/54

All: -0.111+/-0.002 χ^2/NDF: 4567.8/102

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -7.305+/-0.319 χ^2/NDF: 1615.6/24

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.250+/-0.322 χ^2/NDF: 4842.6/29

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

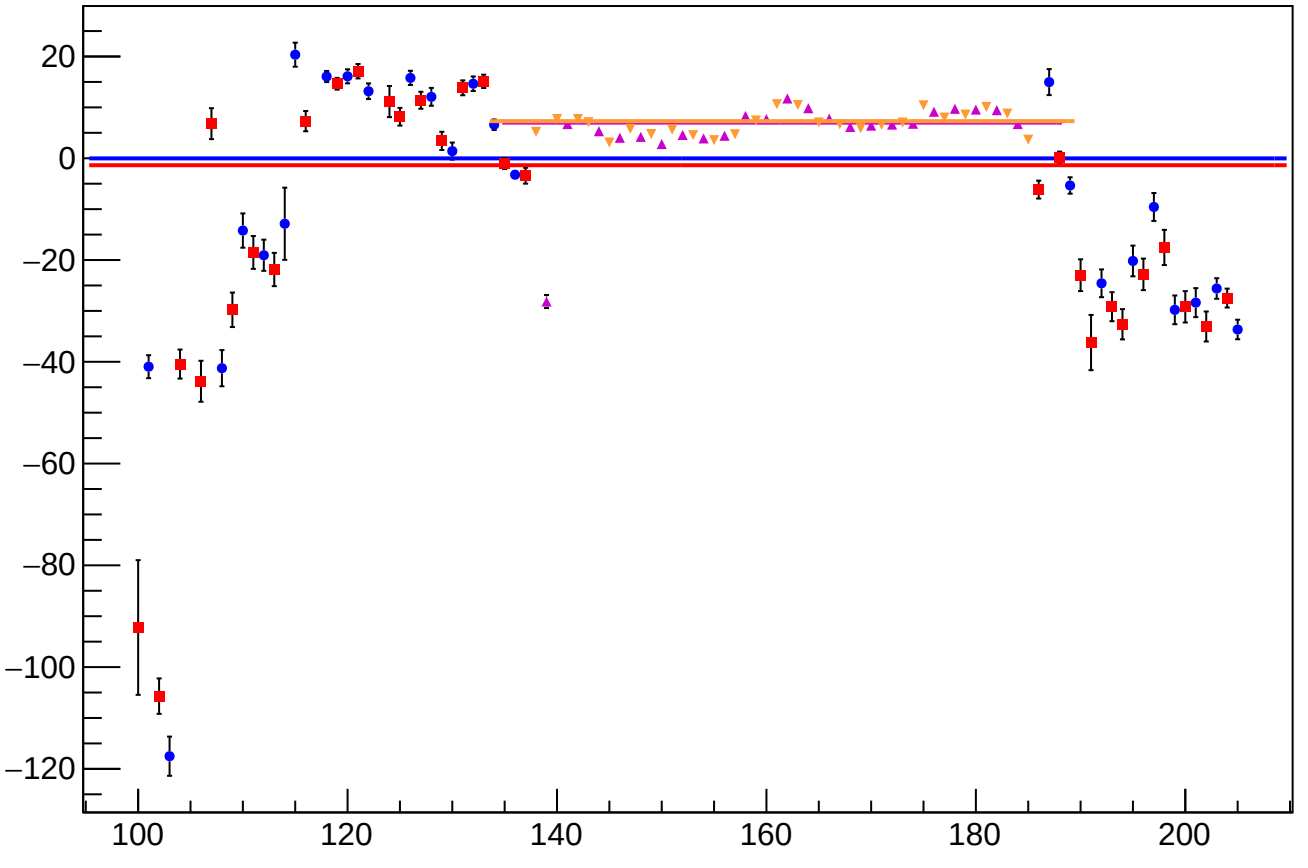
Left: -11.927+/-0.066 χ^2/NDF: 4092.9/47

Right: -5.791+/-0.227 χ^2/NDF: 6503.6/54

In: -11.346+/-0.090 χ^2/NDF:3740.7/47

Out: -11.554+/-0.088 χ^2/NDF:7528.2/54

All: -11.453+/-0.063 χ^2/NDF: 11271.5/102



Right In: -0.025+/-0.345 χ^2/NDF: 3154.2/24

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -1.366+/-0.359 χ^2/NDF: 2919.8/29

Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

Left: 7.153+/-0.053 χ^2/NDF: 2406.4/47

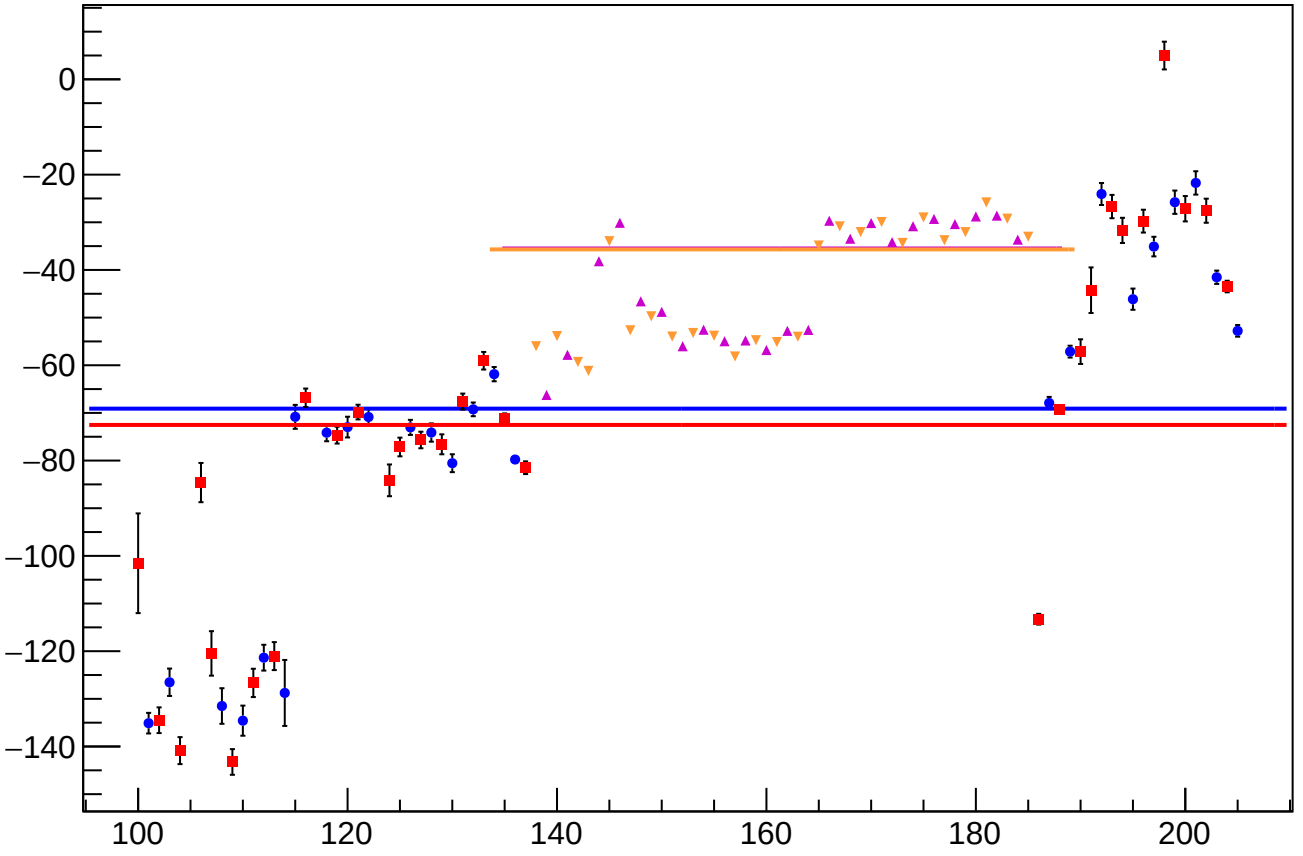
Right: -0.667+/-0.249 χ^2/NDF: 6081.3/54

In: 6.678+/-0.074 χ^2/NDF:5127.1/47

Out: 6.936+/-0.073 χ^2/NDF:4299.7/54

All: 6.808+/-0.052 χ^2/NDF: 9432.9/102

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -69.104+/-0.331 χ^2/NDF: 4927.2/24

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.524+/-0.324 χ^2/NDF: 6878.4/29

Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

Left: -35.596+/-0.066 χ^2/NDF: 23942.5/47

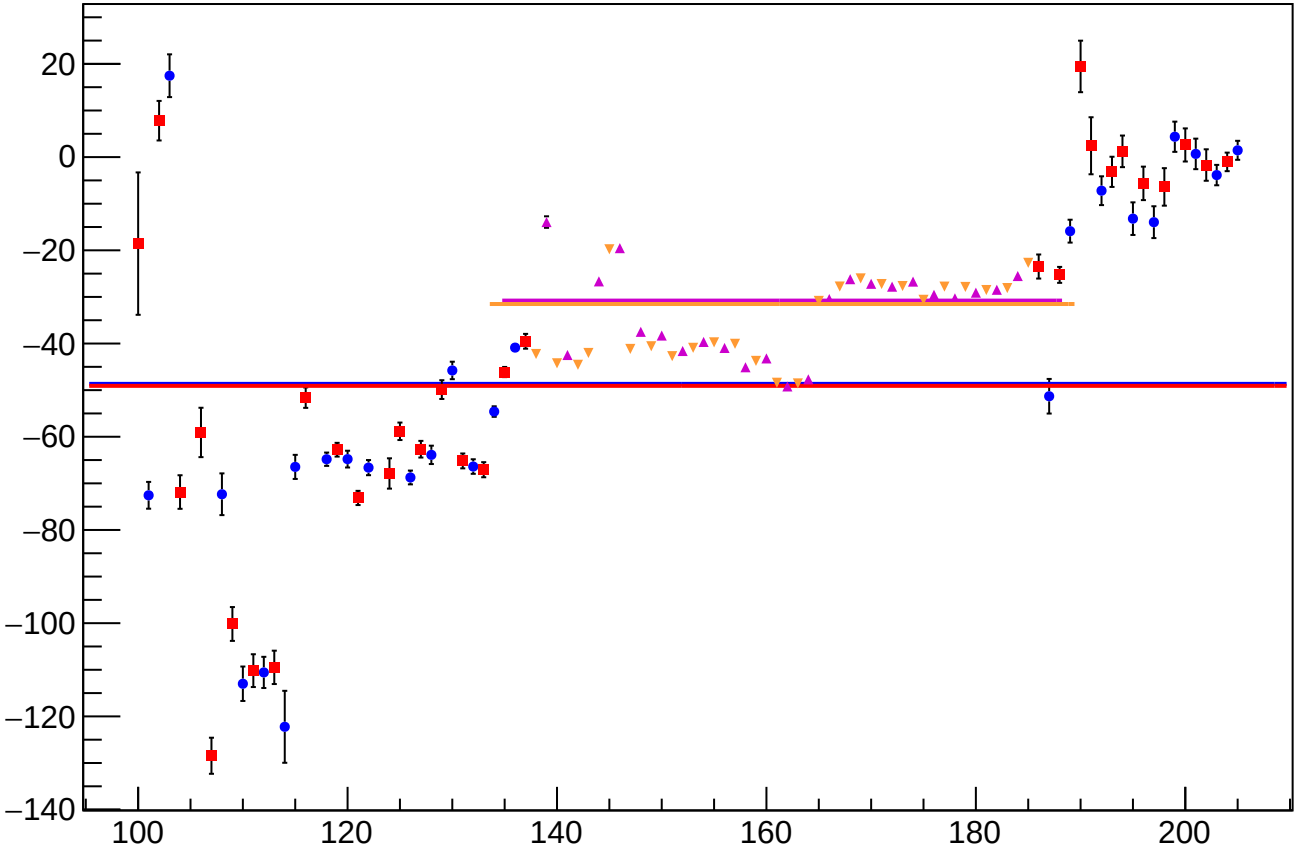
Right: -70.850+/-0.231 χ^2/NDF: 11860.2/54

In: -38.041+/-0.091 χ^2/NDF:25644.9/47

Out: -38.456+/-0.089 χ^2/NDF:31632.4/54

All: -38.253+/-0.063 χ^2/NDF: 57288.0/102

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -48.655+/-0.387 χ^2/NDF: 4002.3/24

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -49.078+/-0.415 χ^2/NDF: 4345.1/29

Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

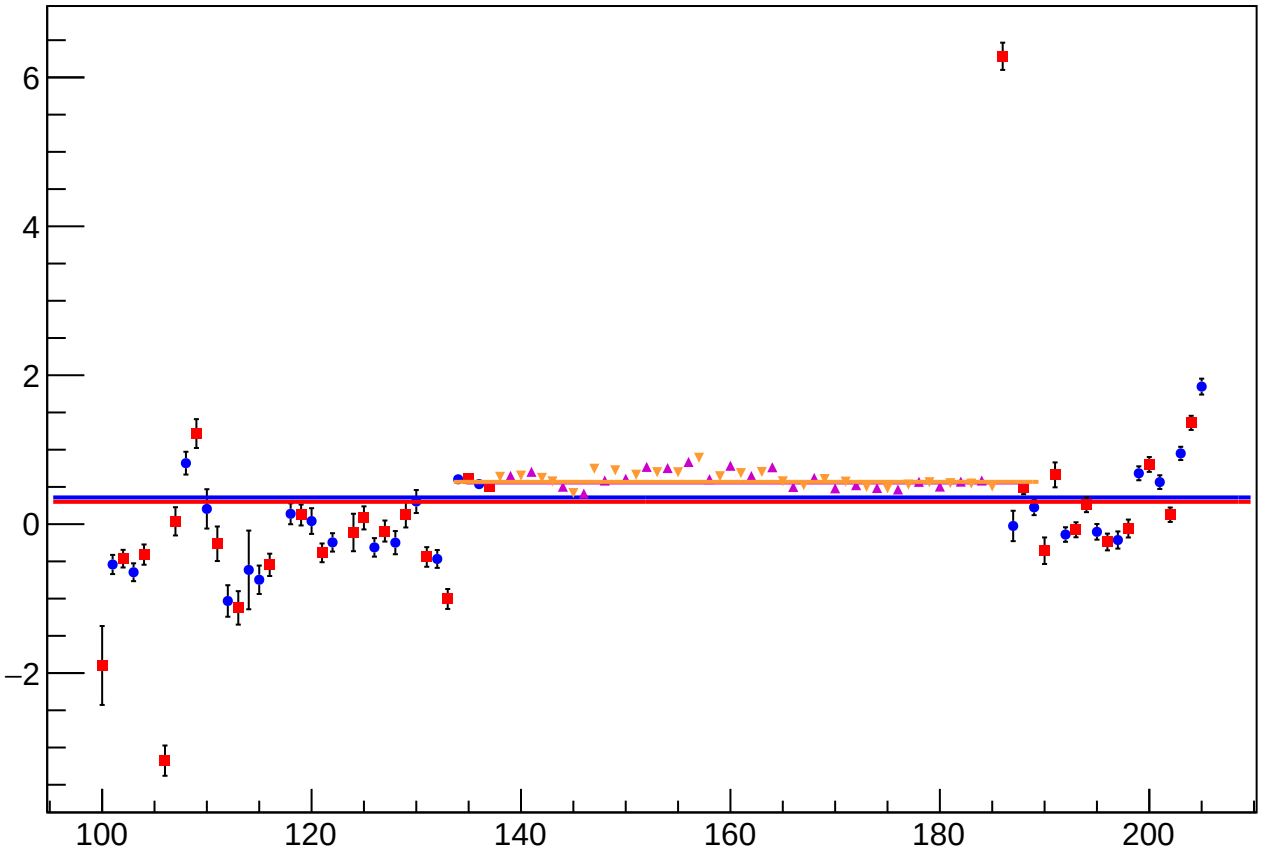
Left: -31.161+/-0.059 χ^2/NDF: 16044.8/47

Right: -48.852+/-0.283 χ^2/NDF: 8347.9/54

In: -31.597+/-0.082 χ^2/NDF:13582.7/47

Out: -32.193+/-0.081 χ^2/NDF:14527.8/54

All: -31.900+/-0.058 χ^2/NDF: 28137.1/102



Right In: 0.359+/-0.019 χ^2/NDF: 710.6/24

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.300+/-0.021 χ^2/NDF: 2005.8/29

Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

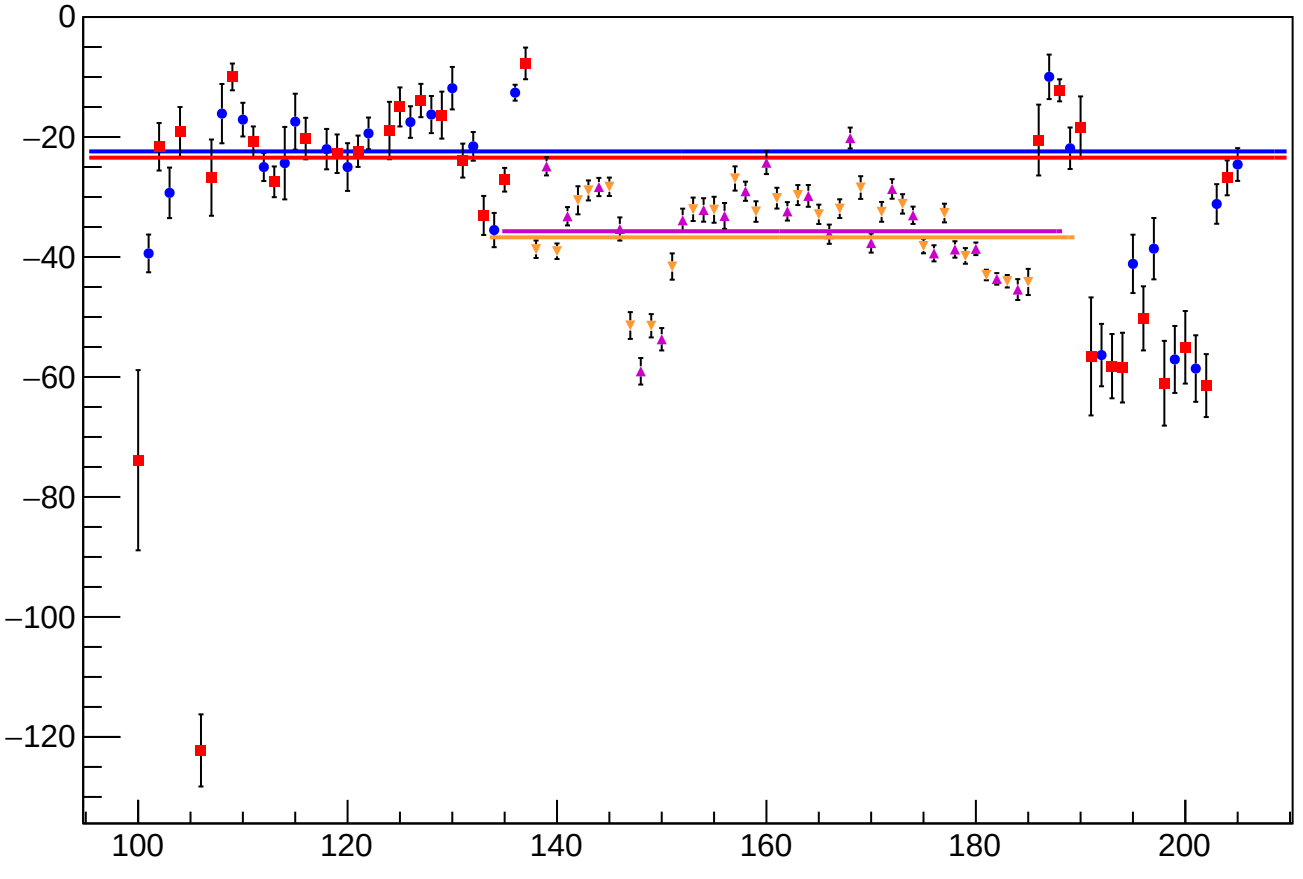
Left: 0.564+/-0.003 χ^2/NDF: 1228.5/47

Right: 0.332+/-0.014 χ^2/NDF: 2720.8/54

In: 0.552+/-0.004 χ^2/NDF:1488.3/47

Out: 0.560+/-0.004 χ^2/NDF:2722.9/54

All: 0.556+/-0.003 χ^2/NDF: 4213.3/102



Right In: -22.401+/-0.616 χ^2/NDF: 300.8/24

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.444+/-0.616 χ^2/NDF: 656.8/29

Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

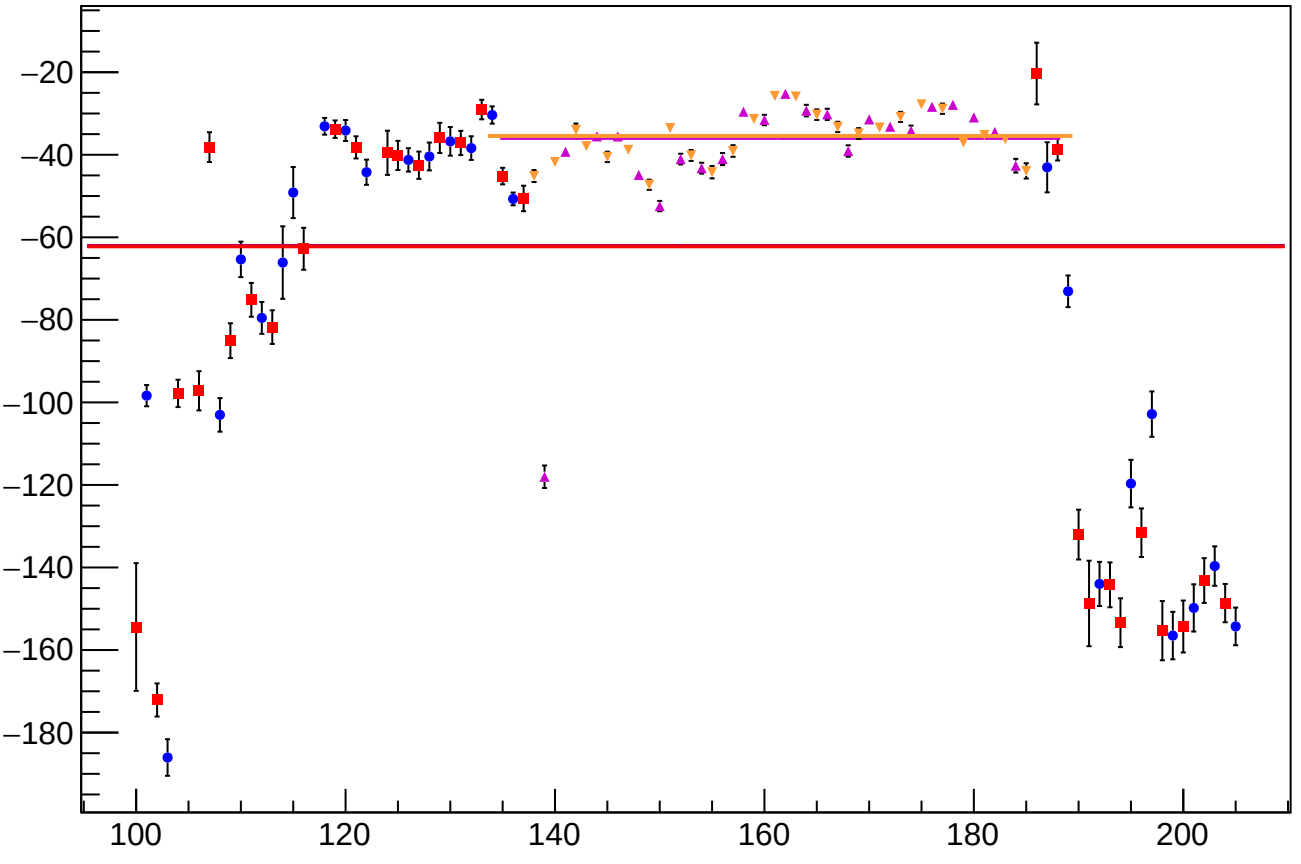
Left: -36.236+/-0.224 χ^2/NDF: 1004.6/47

Right: -22.923+/-0.435 χ^2/NDF: 959.1/54

In: -32.834+/-0.286 χ^2/NDF:1245.3/47

Out: -34.037+/-0.277 χ^2/NDF:1448.5/54

All: -33.455+/-0.199 χ^2/NDF: 2703.0/102



Right In: -62.091+/-0.654 χ^2/NDF: 3552.7/24

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -62.176+/-0.674 χ^2/NDF: 3694.3/29

Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

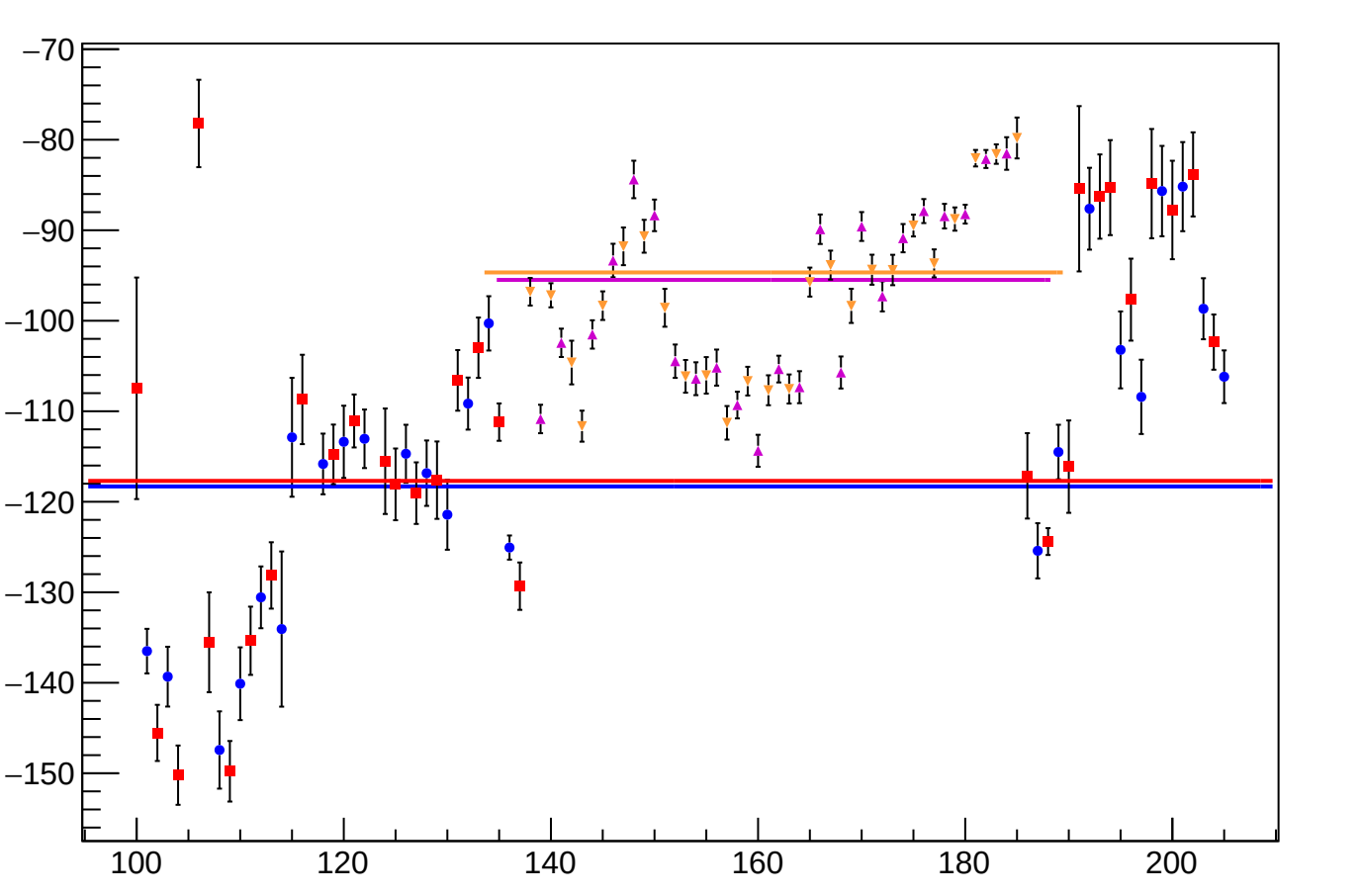
Left: -35.667+/-0.177 χ^2/NDF: 2082.7/47

Right: -62.132+/-0.469 χ^2/NDF: 7247.0/54

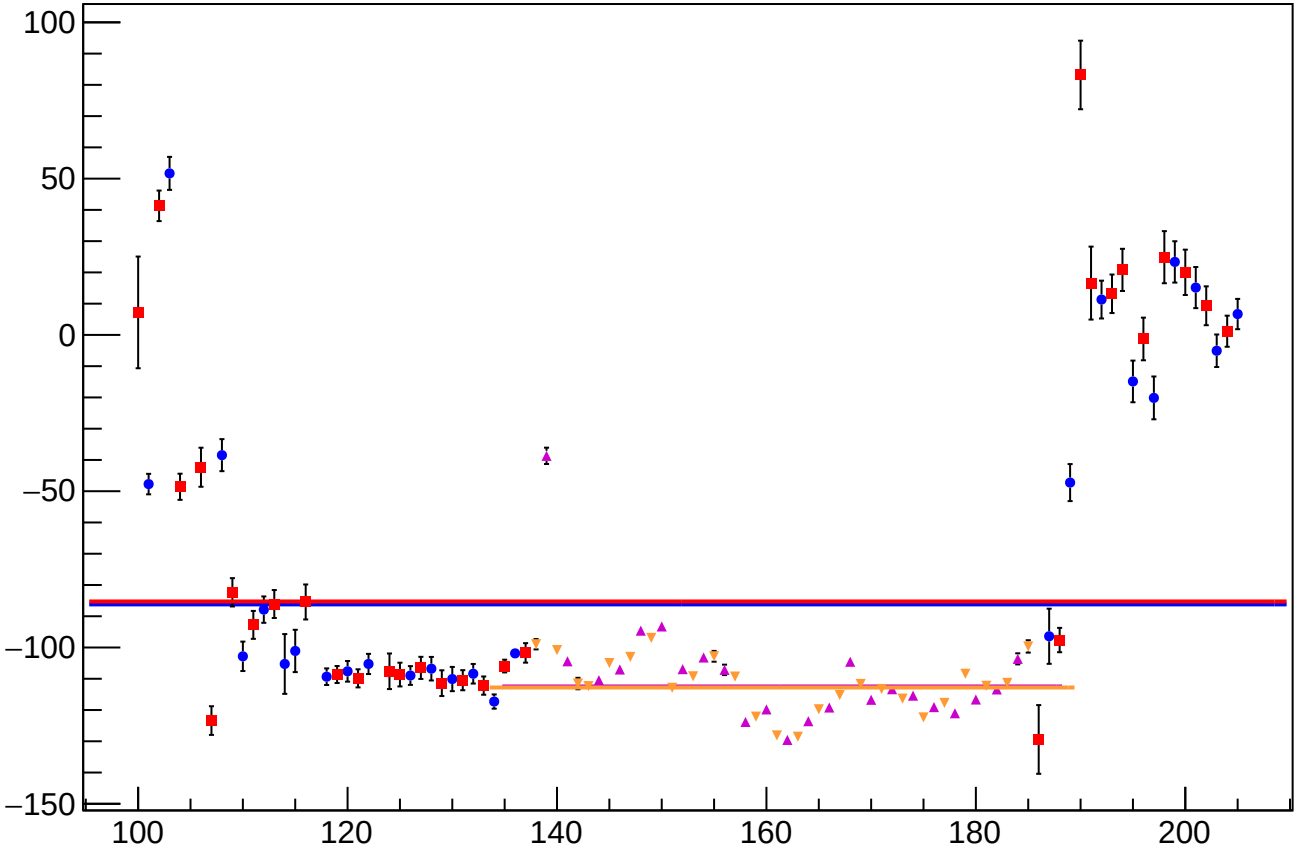
In: -39.397+/-0.238 χ^2/NDF:6486.1/47

Out: -38.562+/-0.230 χ^2/NDF:5622.8/54

All: -38.965+/-0.166 χ^2/NDF: 12115.3/102


reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−70
−80
−90
−100
−110
−120
−130
−140
−150
100
120
140
160
180
200
Right In: -118.308+/-0.639 χ²/NDF: 477.4/24
Left Out: -94.663+/-0.310 χ²/NDF:900.1/24
Right Out: -117.695+/-0.638 χ²/NDF: 723.3/29
Left In: -95.489+/-0.321 χ²/NDF:970.1/22
Left: -95.061+/-0.223 χ²/NDF: 1873.6/47
Right: -118.001+/-0.452 χ²/NDF: 1201.1/54
In: -100.088+/-0.287 χ²/NDF:2464.7/47
Out: -99.054+/-0.279 χ²/NDF:2677.0/54
All: -99.556+/-0.200 χ²/NDF: 5148.3/102

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -86.208+/-0.740 χ^2/NDF: 3179.3/24

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -85.272+/-0.774 χ^2/NDF: 3358.3/29

Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

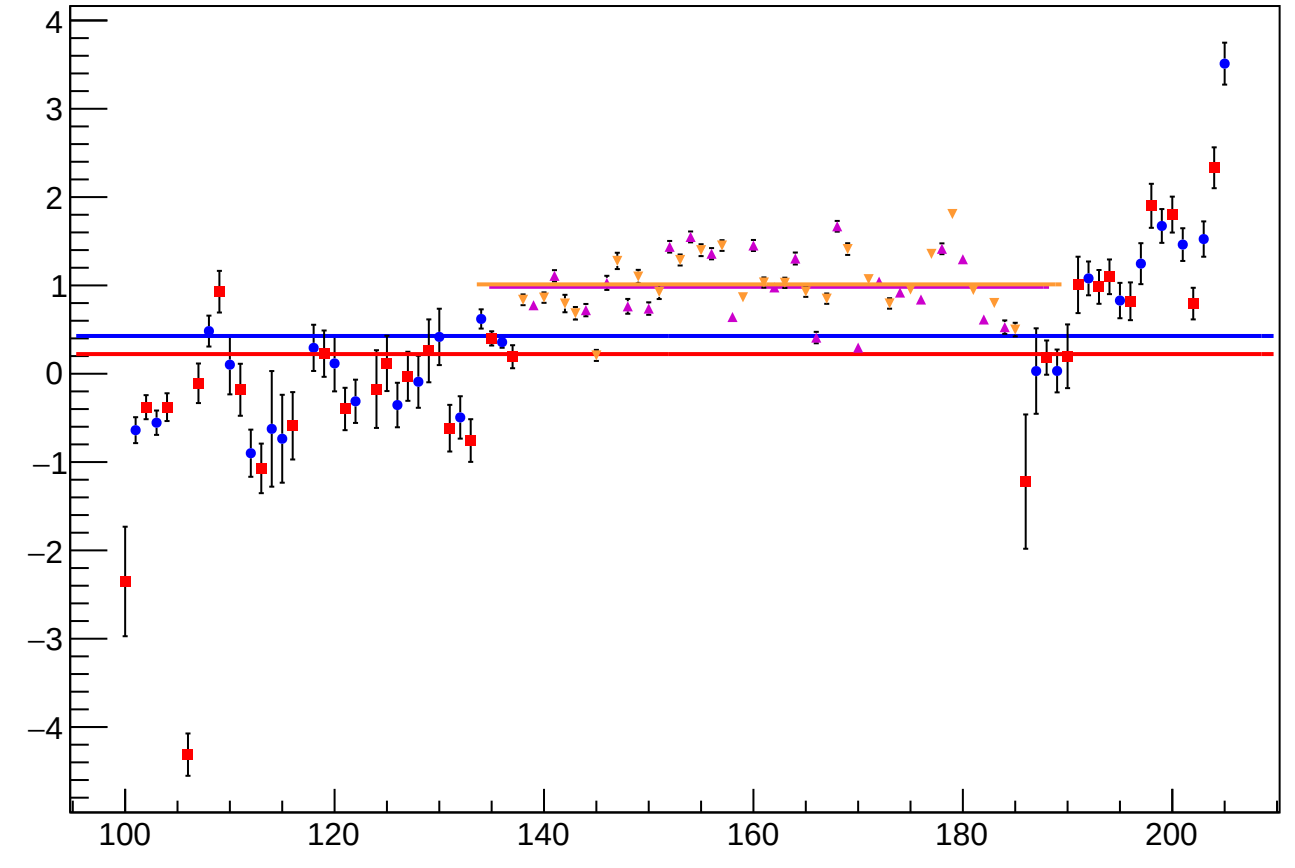
Left: -112.636+/-0.197 χ^2/NDF: 2725.7/47

Right: -85.761+/-0.535 χ^2/NDF: 6538.4/54

In: -109.074+/-0.266 χ^2/NDF:6065.5/47

Out: -109.731+/-0.258 χ^2/NDF:5417.3/54

All: -109.412+/-0.185 χ^2/NDF: 11485.9/102



Right In: 0.428+/-0.036 χ^2/NDF: 483.2/24

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.223+/-0.038 χ^2/NDF: 740.6/29

Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

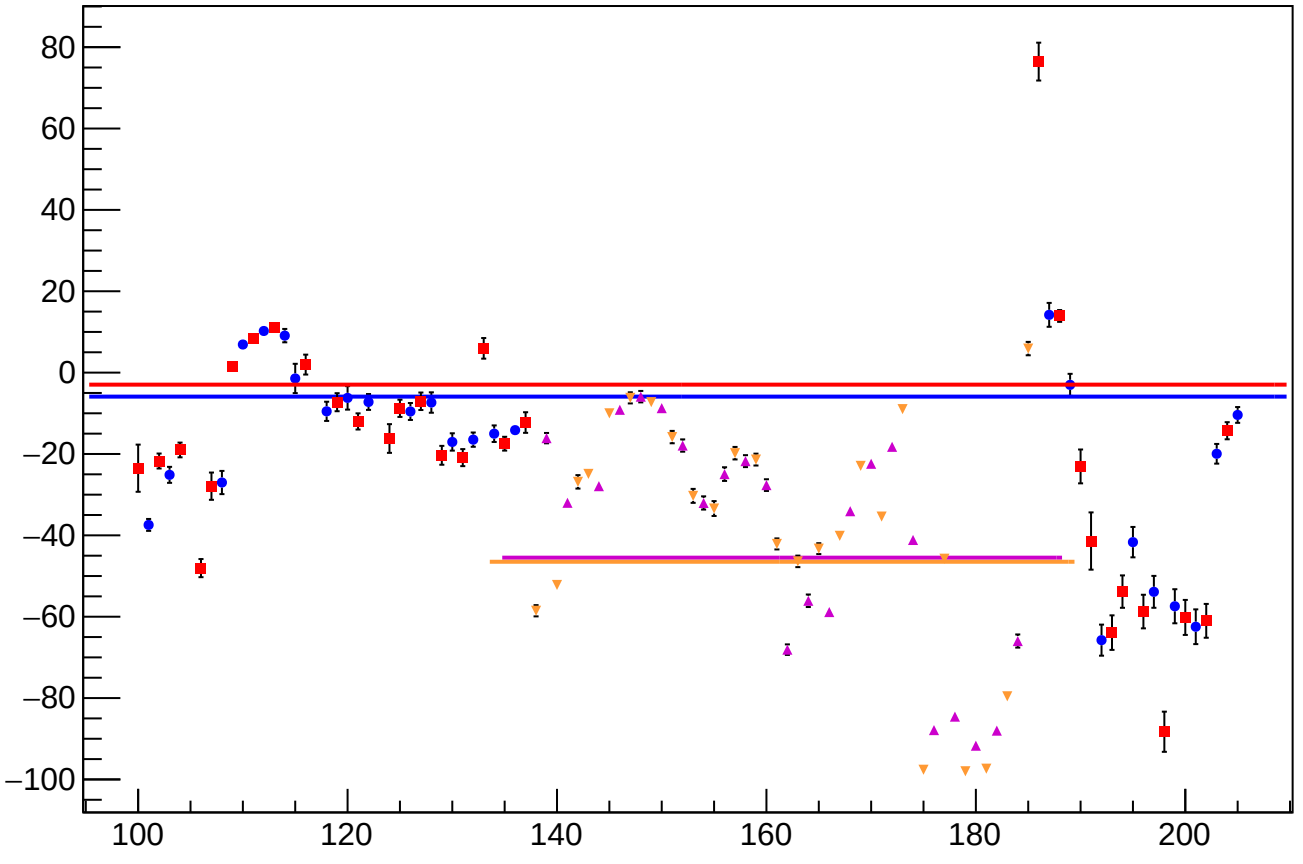
Left: 0.998+/-0.009 χ^2/NDF: 1593.6/47

Right: 0.330+/-0.026 χ^2/NDF: 1239.4/54

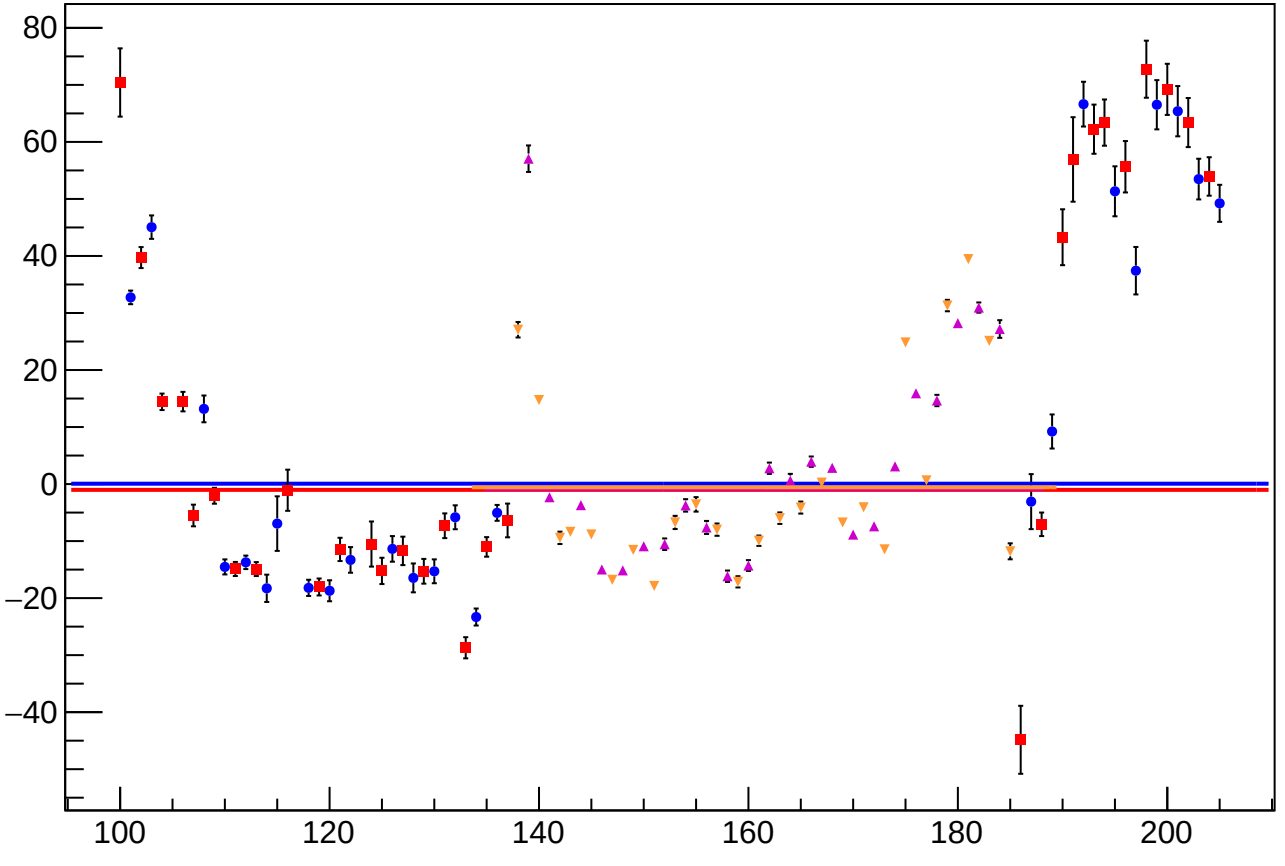
In: 0.923+/-0.012 χ^2/NDF:1598.5/47

Out: 0.936+/-0.012 χ^2/NDF:1830.1/54

All: 0.930+/-0.008 χ^2/NDF: 3429.1/102


reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -5.899+/-0.352 χ²/NDF: 2470.1/24
Left Out: -46.493+/-0.230 χ²/NDF:20046.7/24
Right Out: -2.956+/-0.318 χ²/NDF: 3274.2/29
Left In: -45.487+/-0.238 χ²/NDF:15571.1/22
Left: -46.006+/-0.165 χ²/NDF: 35627.0/47
Right: -4.277+/-0.236 χ²/NDF: 5782.8/54
In: -33.111+/-0.197 χ²/NDF:26713.3/47
Out: -31.535+/-0.186 χ²/NDF:35622.3/54
All: -32.279+/-0.135 χ²/NDF: 62369.3/102

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.064+/-0.408 χ^2/NDF: 3696.9/24

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -1.016+/-0.397 χ^2/NDF: 3404.9/29

Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

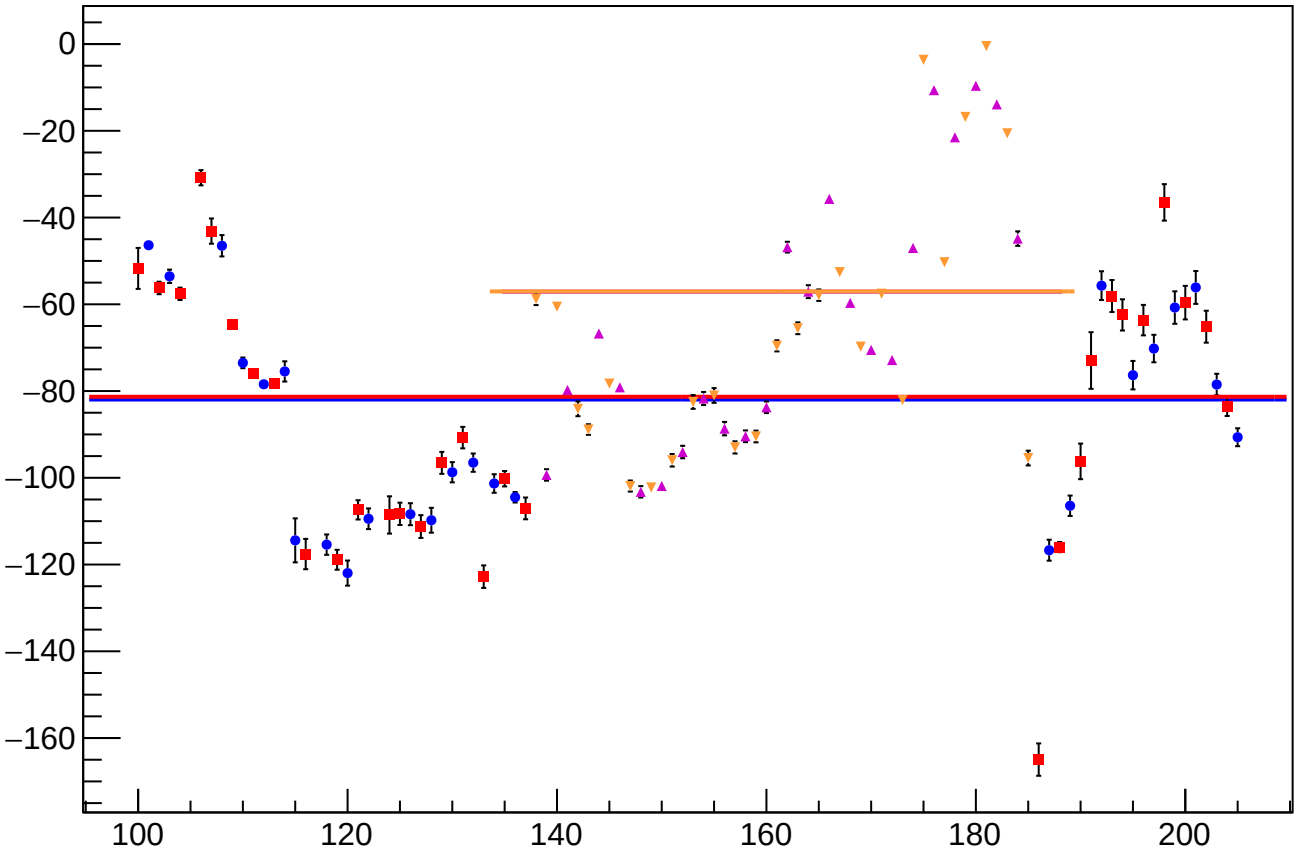
Left: -0.696+/-0.127 χ^2/NDF: 14569.0/47

Right: -0.490+/-0.285 χ^2/NDF: 7105.4/54

In: -0.679+/-0.167 χ^2/NDF:9817.4/47

Out: -0.646+/-0.162 χ^2/NDF:11857.4/54

All: -0.662+/-0.116 χ^2/NDF: 21674.8/102



Right In: -81.951+/-0.396 χ^2/NDF: 3366.9/24

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.320+/-0.371 χ^2/NDF: 4870.4/29

Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

Left: -57.059+/-0.165 χ^2/NDF: 37477.1/47

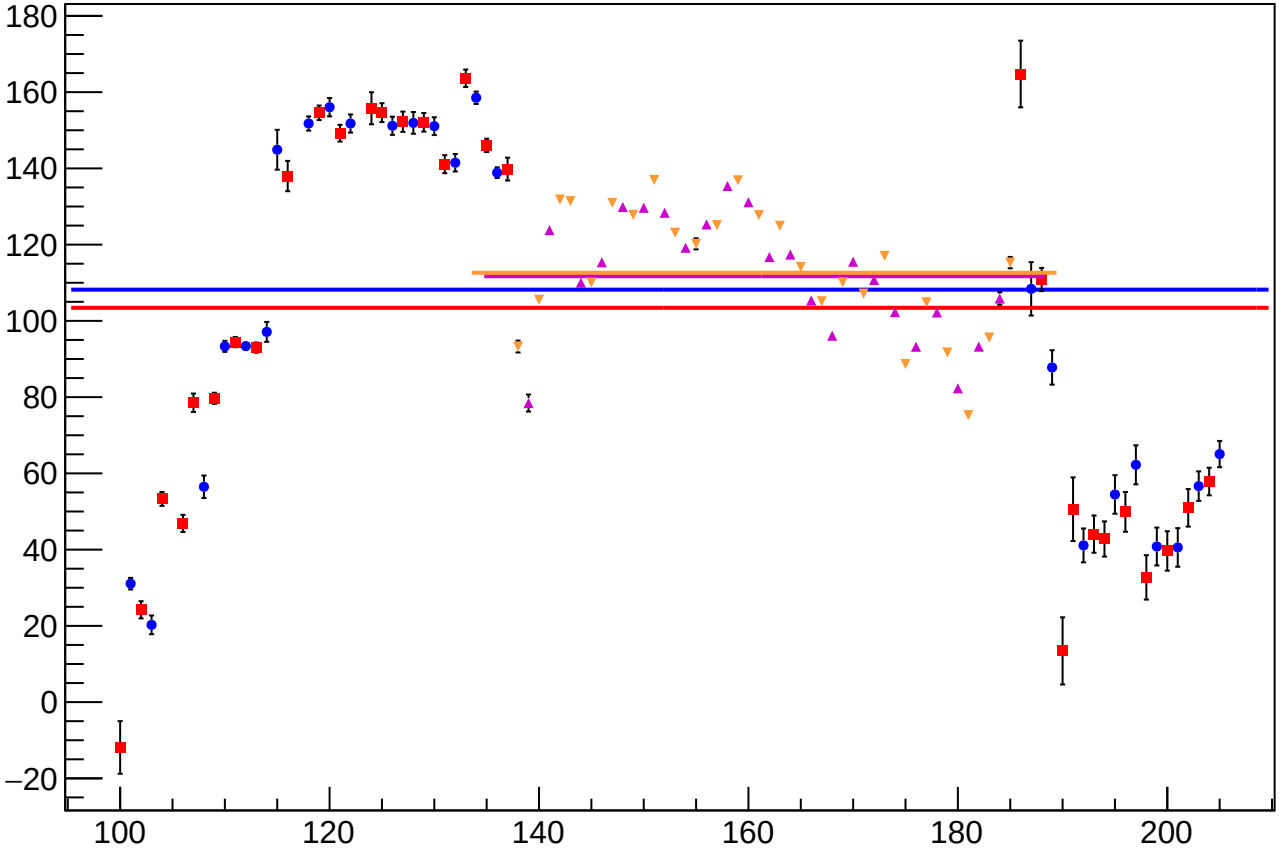
Right: -81.615+/-0.271 χ^2/NDF: 8238.6/54

In: -63.629+/-0.203 χ^2/NDF:23438.5/47

Out: -63.773+/-0.195 χ^2/NDF:28279.8/54

All: -63.704+/-0.141 χ^2/NDF: 51718.5/102

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 108.194+/-0.466 χ^2/NDF: 9445.2/24

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 103.438+/-0.456 χ^2/NDF: 8813.8/29

Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

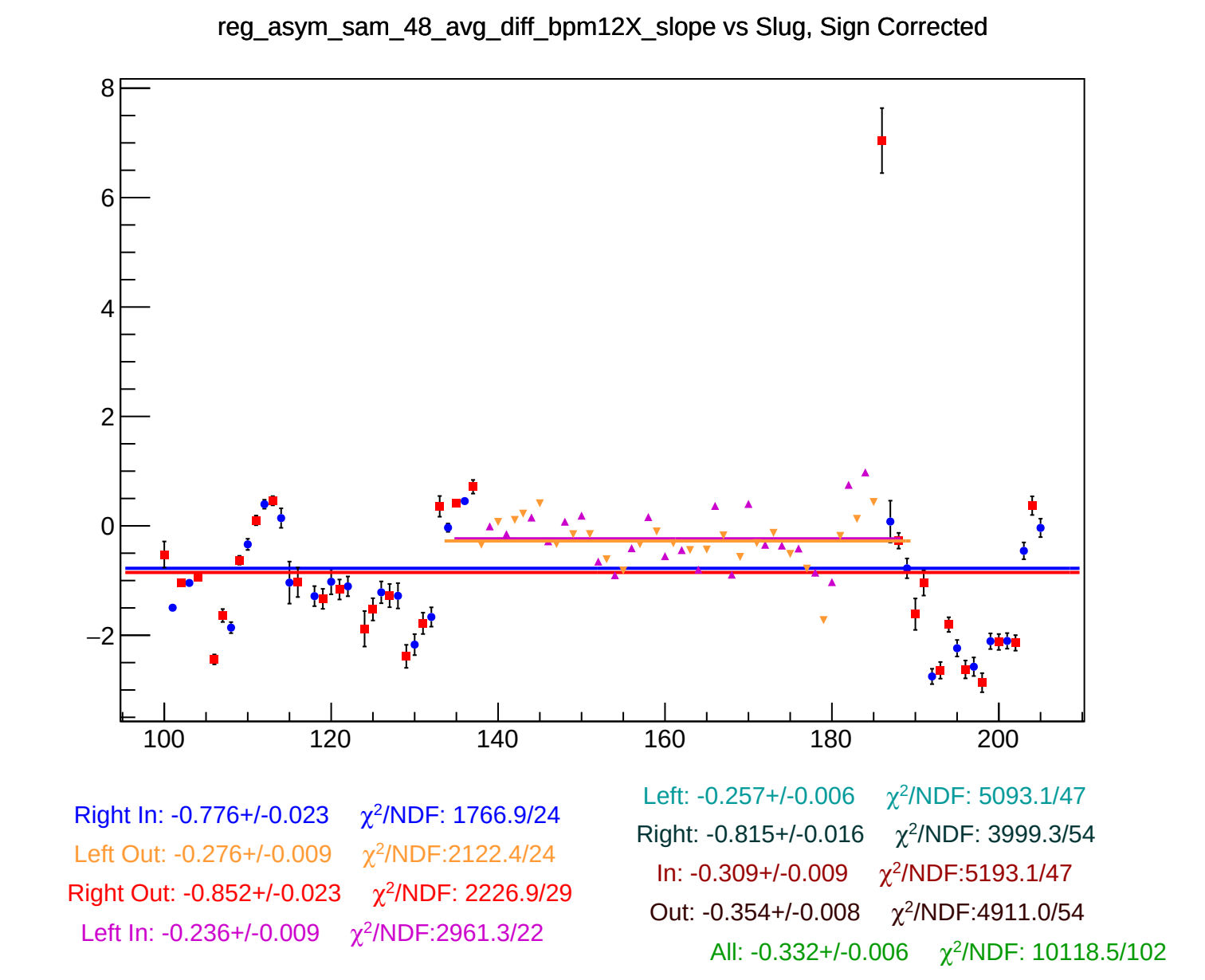
Left: 112.186+/-0.143 χ^2/NDF: 11614.7/47

Right: 105.765+/-0.326 χ^2/NDF: 18312.3/54

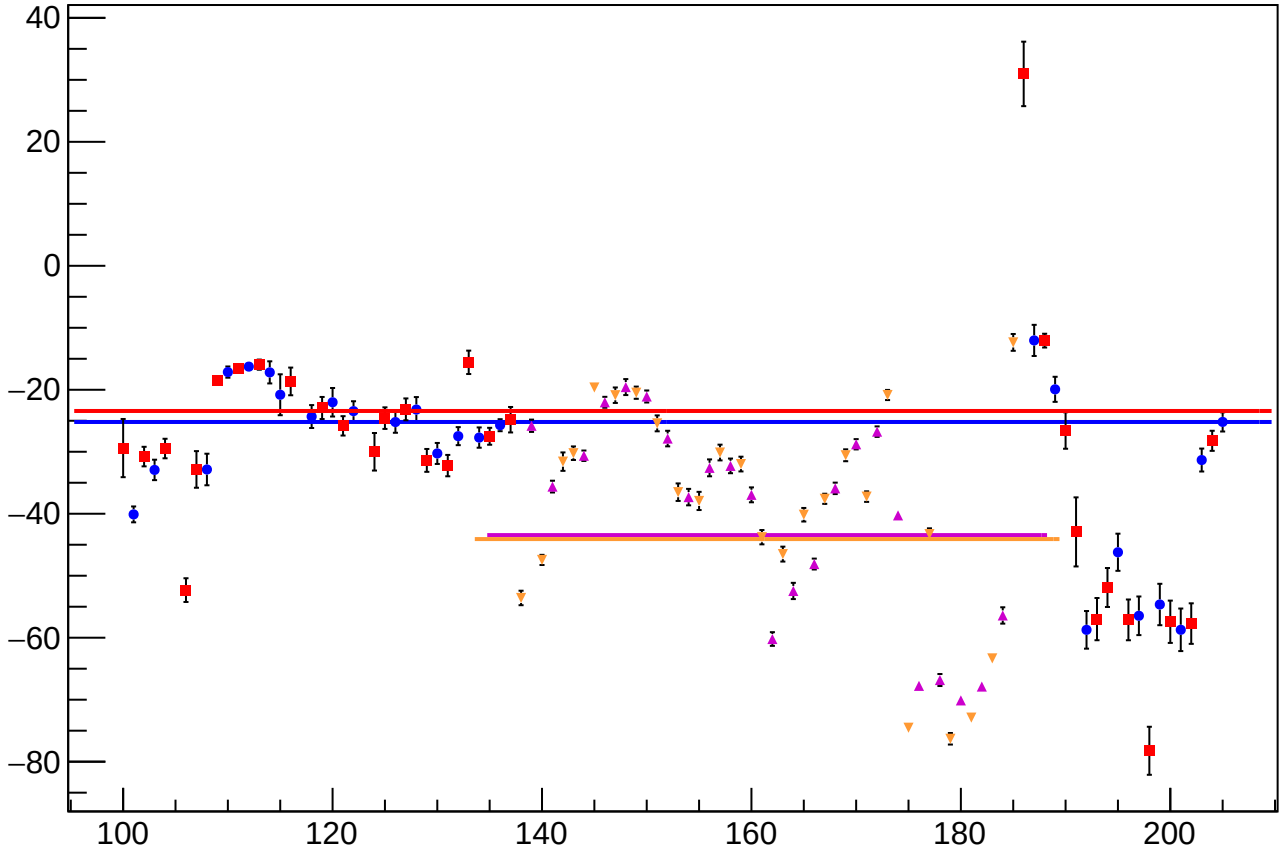
In: 111.143+/-0.188 χ^2/NDF:14389.9/47

Out: 111.143+/-0.183 χ^2/NDF:15862.3/54

All: 111.143+/-0.131 χ^2/NDF: 30252.3/102


reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug, Sign Corrected
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: -0.776+/-0.023 χ²/NDF: 1766.9/24
Left Out: -0.276+/-0.009 χ²/NDF:2122.4/24
Right Out: -0.852+/-0.023 χ²/NDF: 2226.9/29
Left In: -0.236+/-0.009 χ²/NDF:2961.3/22
Left: -0.257+/-0.006 χ²/NDF: 5093.1/47
Right: -0.815+/-0.016 χ²/NDF: 3999.3/54
In: -0.309+/-0.009 χ²/NDF:5193.1/47
Out: -0.354+/-0.008 χ²/NDF:4911.0/54
All: -0.332+/-0.006 χ²/NDF: 10118.5/102

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -25.197+/-0.319 χ^2/NDF: 917.6/24

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.421+/-0.294 χ^2/NDF: 1492.2/29

Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

Left: -43.775+/-0.138 χ^2/NDF: 18166.3/47

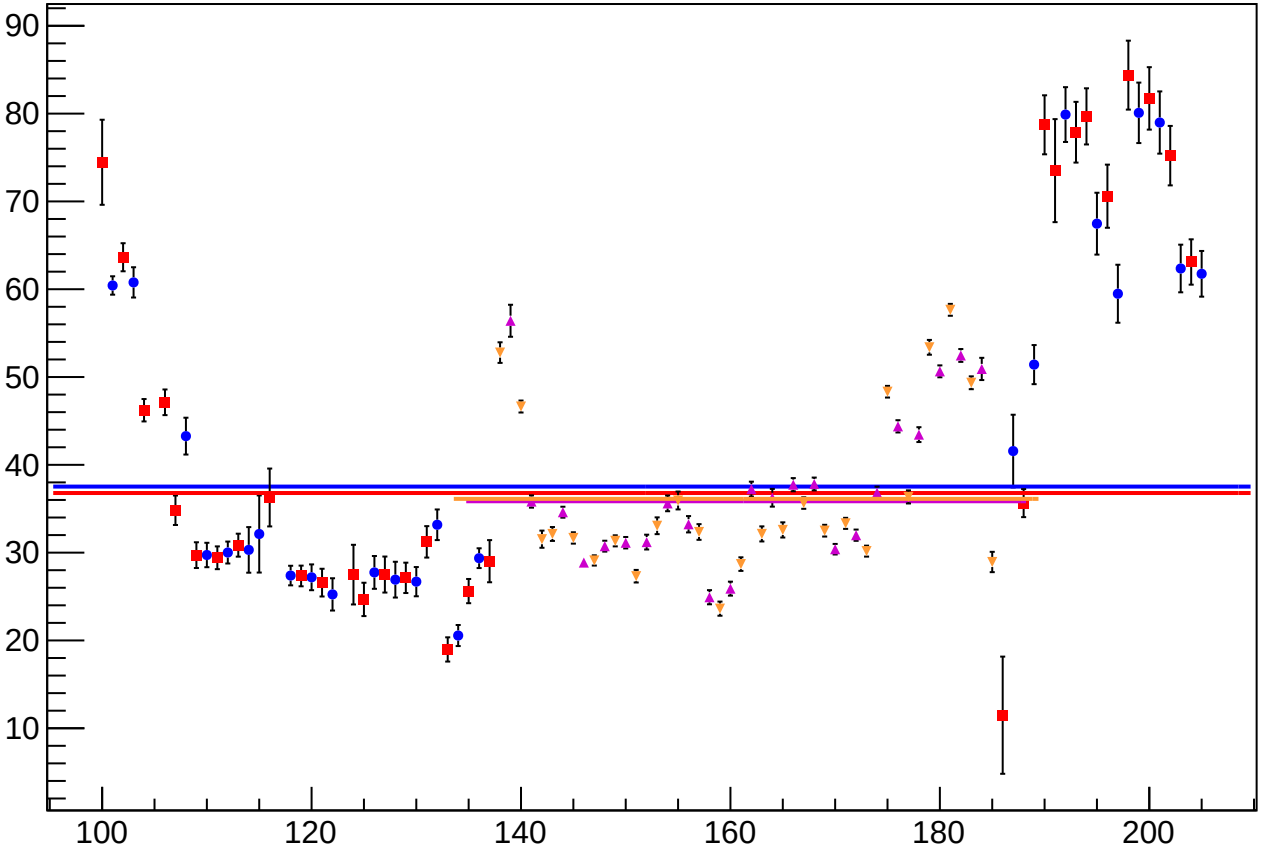
Right: -24.238+/-0.216 χ^2/NDF: 2426.6/54

In: -38.333+/-0.169 χ^2/NDF:11100.2/47

Out: -37.866+/-0.161 χ^2/NDF:15283.2/54

All: -38.089+/-0.117 χ^2/NDF: 26387.3/102

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 37.523+/-0.352 χ^2/NDF: 2078.1/24

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 36.791+/-0.346 χ^2/NDF: 2141.9/29

Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

Left: 35.992+/-0.108 χ^2/NDF: 5853.6/47

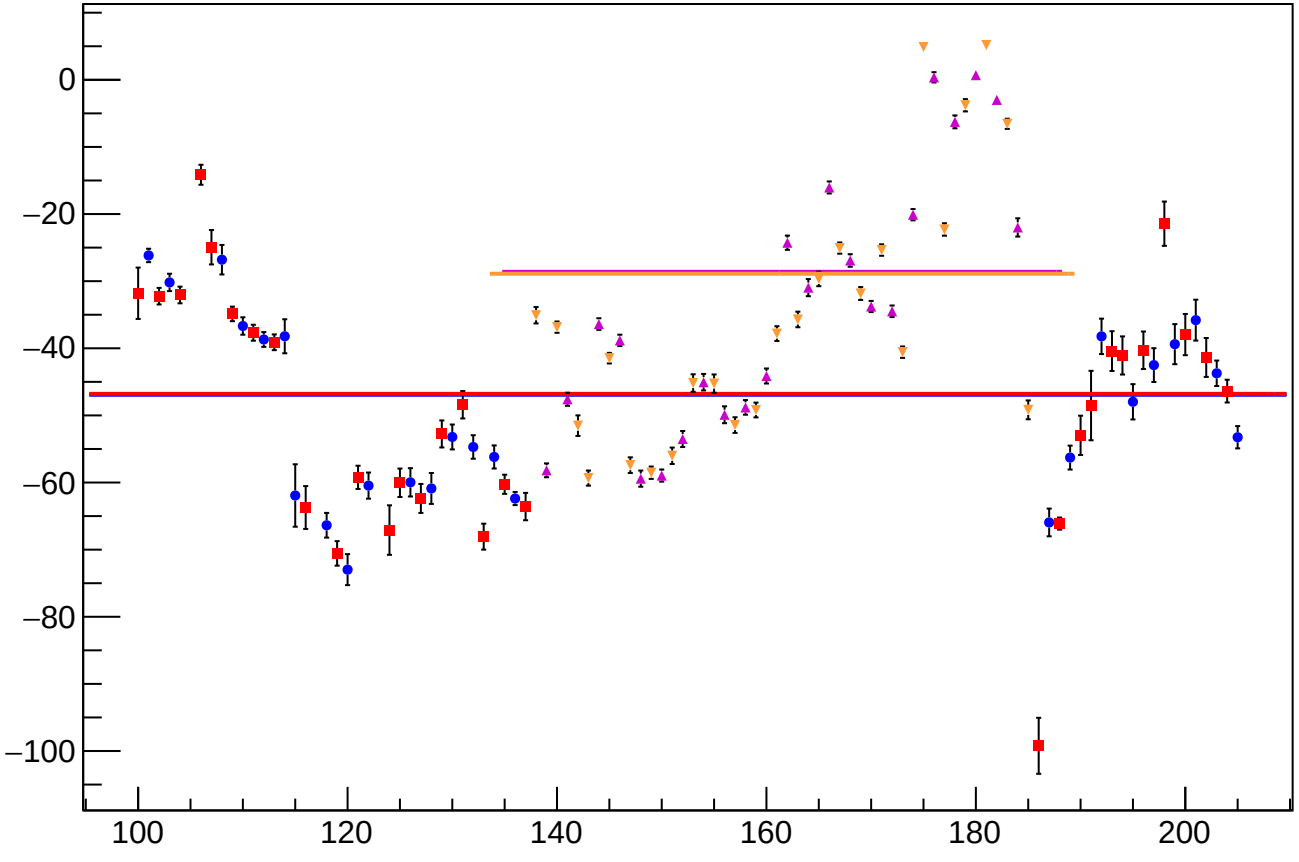
Right: 37.150+/-0.246 χ^2/NDF: 4222.2/54

In: 36.123+/-0.142 χ^2/NDF:4390.5/47

Out: 36.229+/-0.138 χ^2/NDF:5703.6/54

All: 36.178+/-0.099 χ^2/NDF: 10094.4/102

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -46.918+/-0.344 χ^2/NDF: 1657.1/24

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -46.789+/-0.325 χ^2/NDF: 2438.0/29

Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

Left: -28.751+/-0.138 χ^2/NDF: 21814.2/47

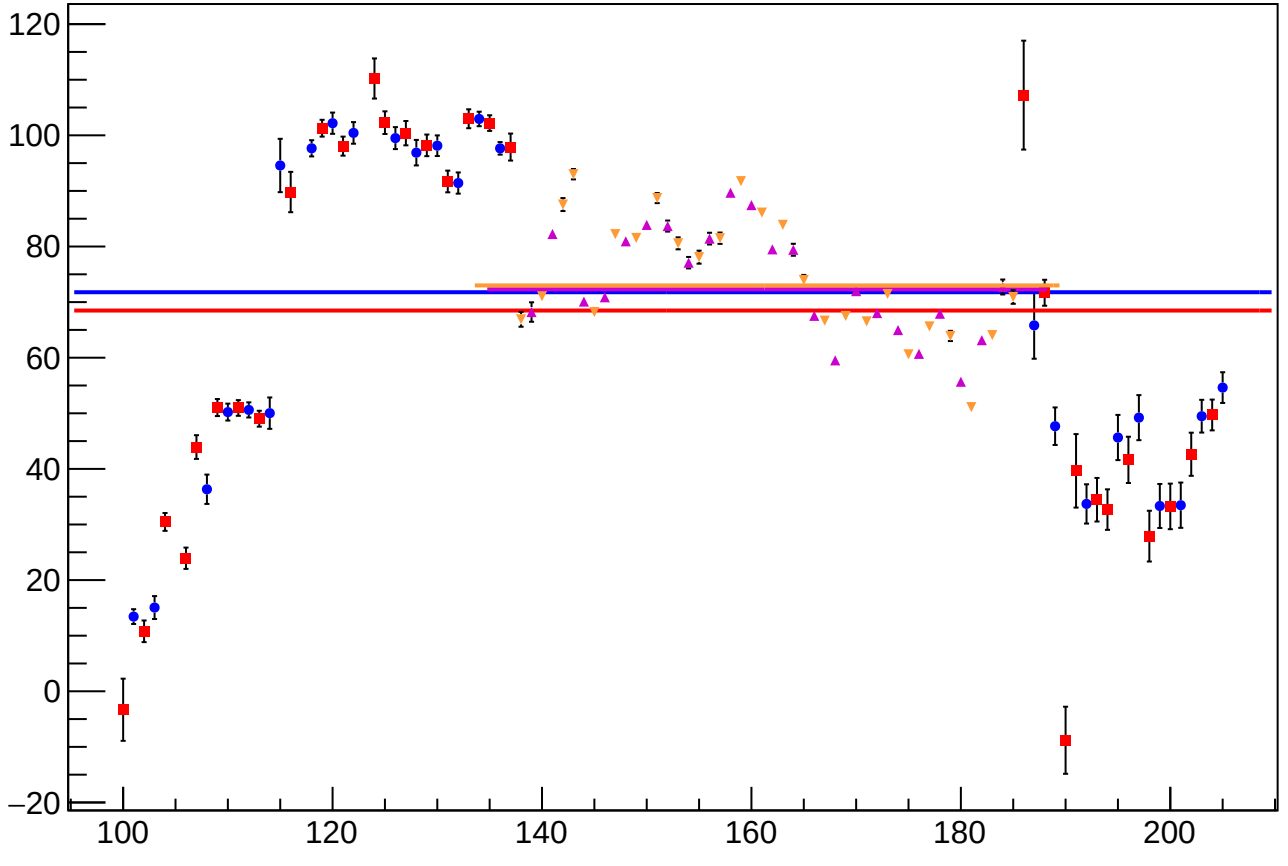
Right: -46.850+/-0.236 χ^2/NDF: 4095.2/54

In: -33.149+/-0.171 χ^2/NDF:13799.3/47

Out: -33.548+/-0.166 χ^2/NDF:16479.6/54

All: -33.355+/-0.119 χ^2/NDF: 30281.6/102

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 71.778+/-0.403 χ^2/NDF: 6405.9/24

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.485+/-0.399 χ^2/NDF: 6334.9/29

Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

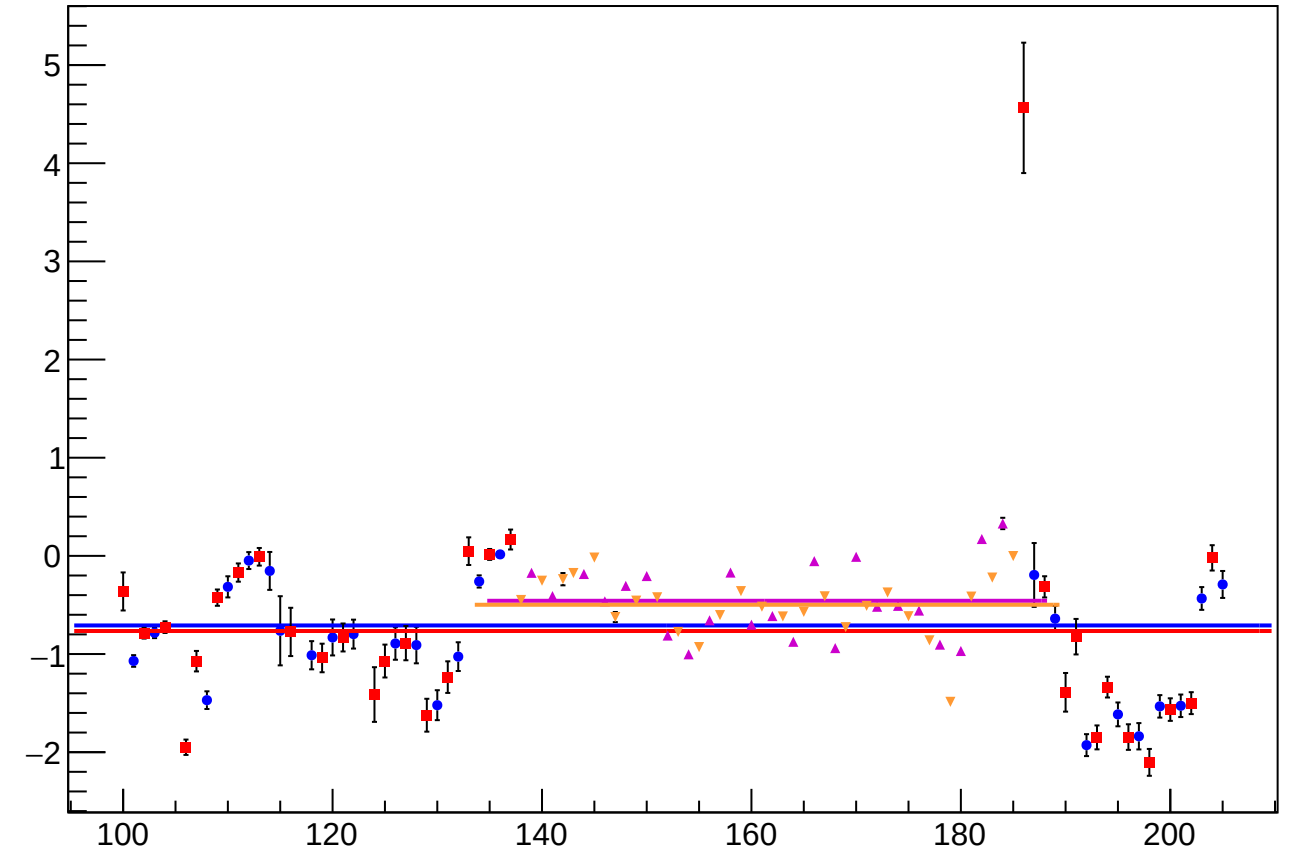
Left: 72.662+/-0.121 χ^2/NDF: 6973.3/47

Right: 70.118+/-0.284 χ^2/NDF: 12774.4/54

In: 72.220+/-0.159 χ^2/NDF:9319.9/47

Out: 72.320+/-0.155 χ^2/NDF:10495.8/54

All: 72.271+/-0.111 χ^2/NDF: 19815.9/102



Right In: -0.709+/-0.020 χ^2/NDF: 902.0/24

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.765+/-0.019 χ^2/NDF: 1224.2/29

Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

Left: -0.478+/-0.005 χ^2/NDF: 3600.2/47

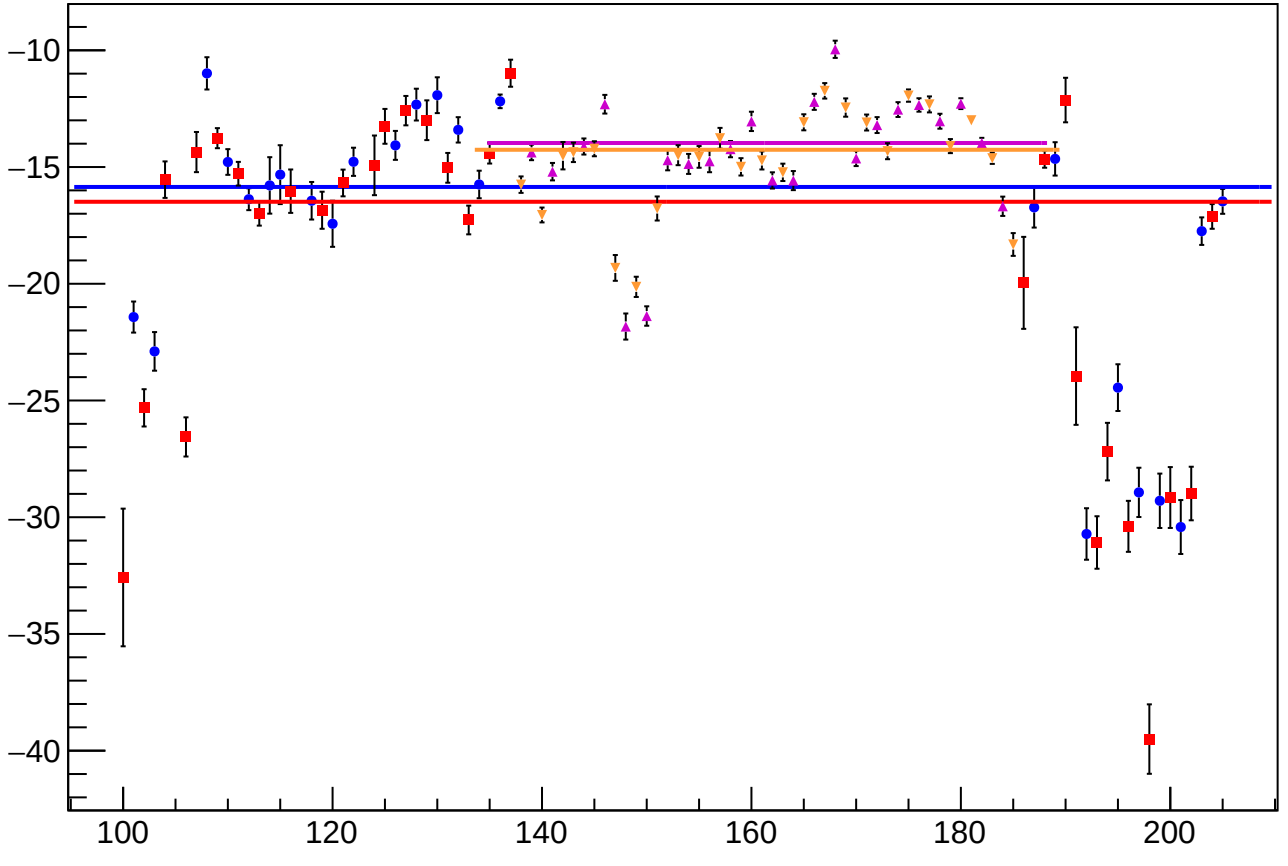
Right: -0.738+/-0.014 χ^2/NDF: 2130.4/54

In: -0.491+/-0.007 χ^2/NDF:3146.2/47

Out: -0.533+/-0.007 χ^2/NDF:2872.3/54

All: -0.512+/-0.005 χ^2/NDF: 6036.6/102

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -15.853+/-0.131 χ^2/NDF: 1160.1/24

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.488+/-0.128 χ^2/NDF: 1469.1/29

Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

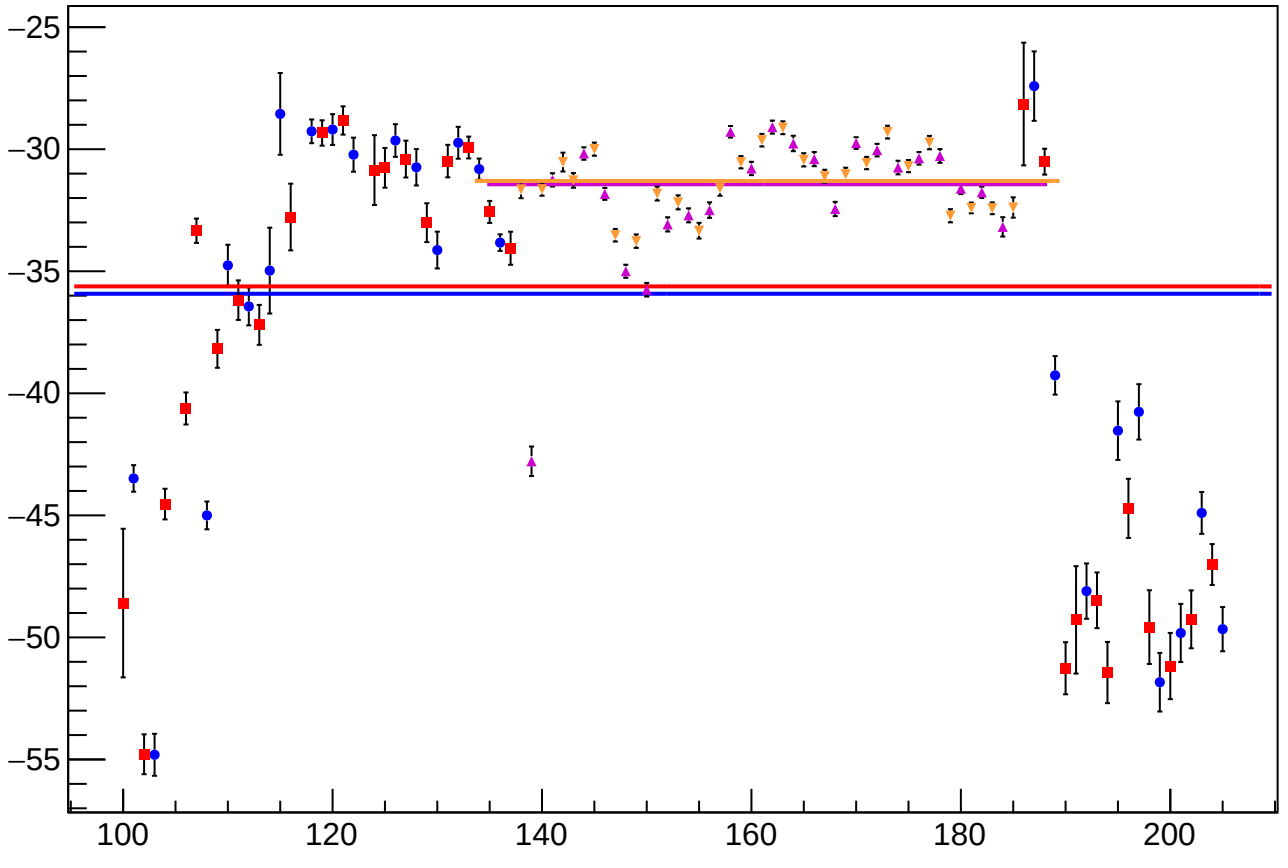
Left: -14.120+/-0.050 χ^2/NDF: 1640.2/47

Right: -16.177+/-0.091 χ^2/NDF: 2641.3/54

In: -14.408+/-0.063 χ^2/NDF:2227.5/47

Out: -14.770+/-0.061 χ^2/NDF:2426.9/54

All: -14.595+/-0.044 χ^2/NDF: 4671.4/102



Right In: -35.922+/-0.140 χ^2/NDF: 2591.1/24

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.620+/-0.139 χ^2/NDF: 2762.9/29

Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

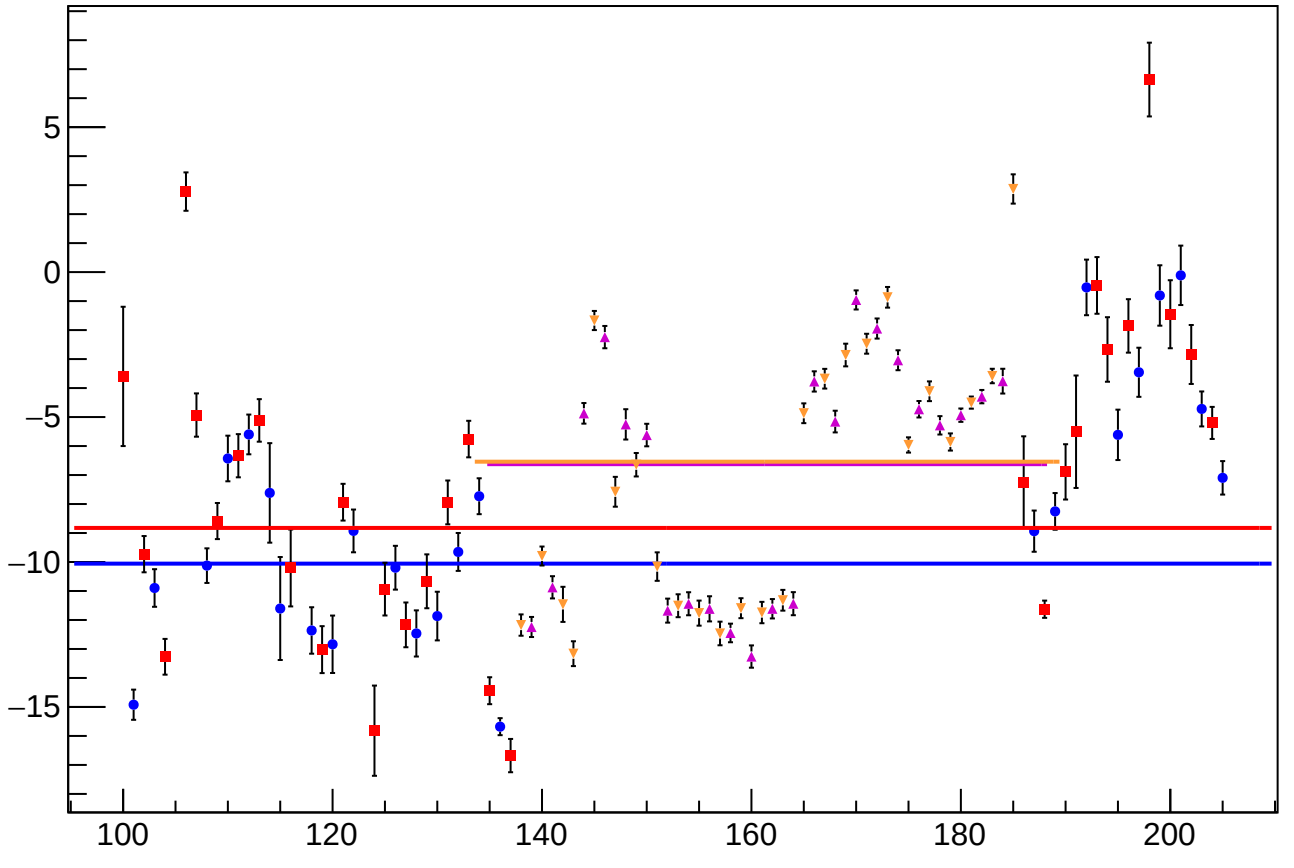
Left: -31.366+/-0.040 χ^2/NDF: 1770.8/47

Right: -35.769+/-0.099 χ^2/NDF: 5356.3/54

In: -32.078+/-0.053 χ^2/NDF:4683.4/47

Out: -31.893+/-0.051 χ^2/NDF:4154.7/54

All: -31.983+/-0.037 χ^2/NDF: 8844.4/102



Right In: -10.056+/-0.135 χ^2/NDF: 1043.0/24

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

Right Out: -8.825+/-0.131 χ^2/NDF: 1388.9/29

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

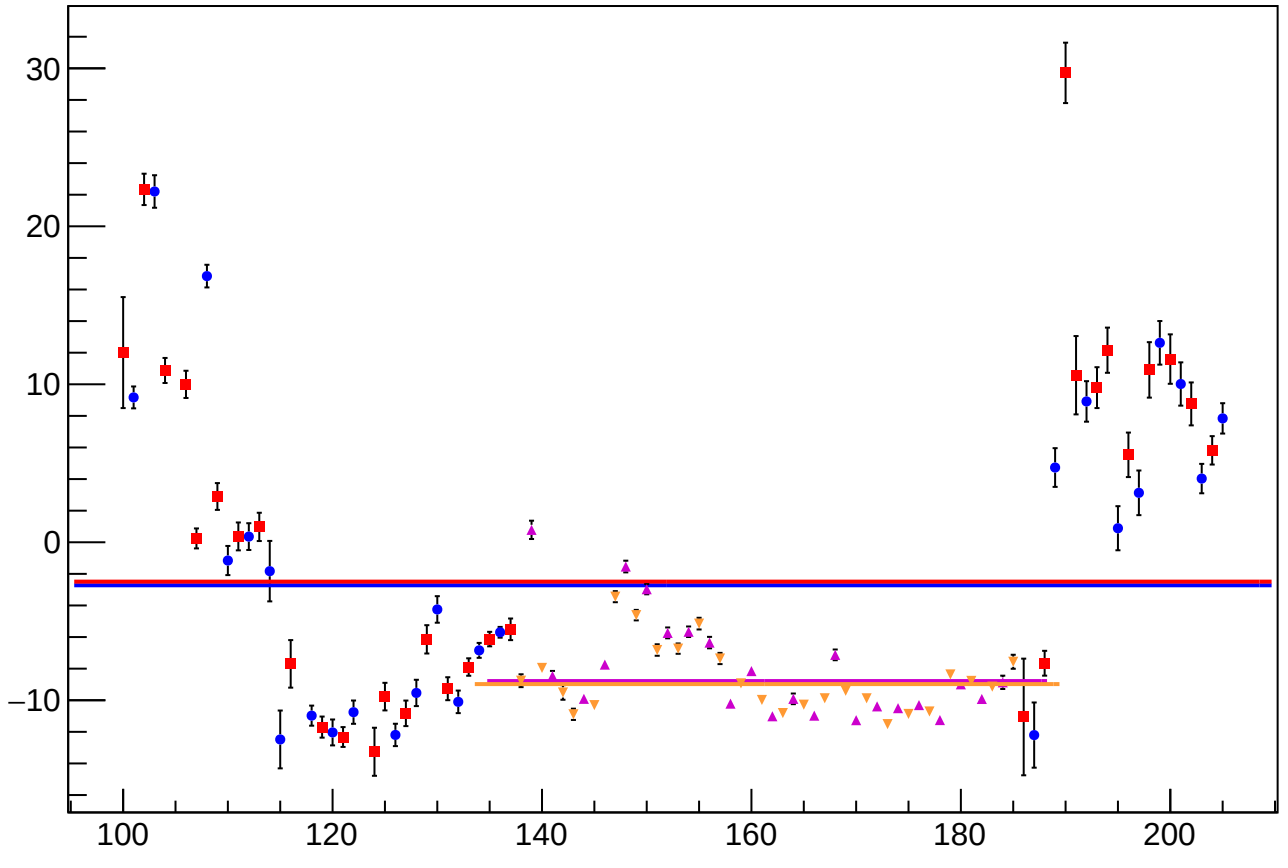
Left: -6.581+/-0.050 χ^2/NDF: 6151.3/47

Right: -9.422+/-0.094 χ^2/NDF: 2474.8/54

In: -7.376+/-0.063 χ^2/NDF:4456.0/47

Out: -7.043+/-0.061 χ^2/NDF:4869.0/54

All: -7.205+/-0.044 χ^2/NDF: 9339.3/102



Right In: -2.723+/-0.159 χ^2/NDF: 3143.3/24

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.491+/-0.161 χ^2/NDF: 3059.2/29

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

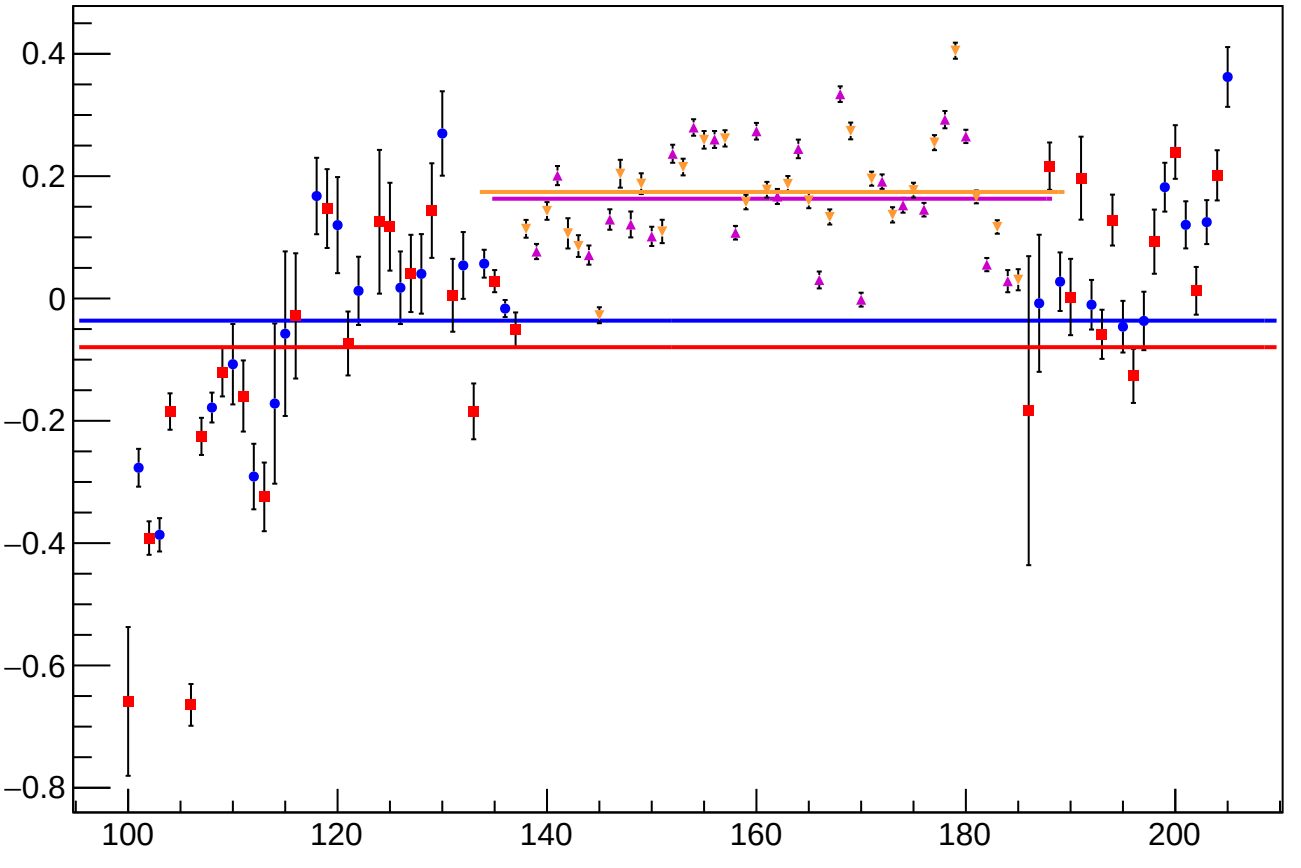
Left: -8.884+/-0.044 χ^2/NDF: 2661.8/47

Right: -2.609+/-0.113 χ^2/NDF: 6203.5/54

In: -7.952+/-0.059 χ^2/NDF:6084.9/47

Out: -8.154+/-0.057 χ^2/NDF:5445.2/54

All: -8.055+/-0.041 χ^2/NDF: 11536.2/102



Right In: -0.036+/-0.007 χ^2/NDF: 478.2/24

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.080+/-0.008 χ^2/NDF: 802.8/29

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

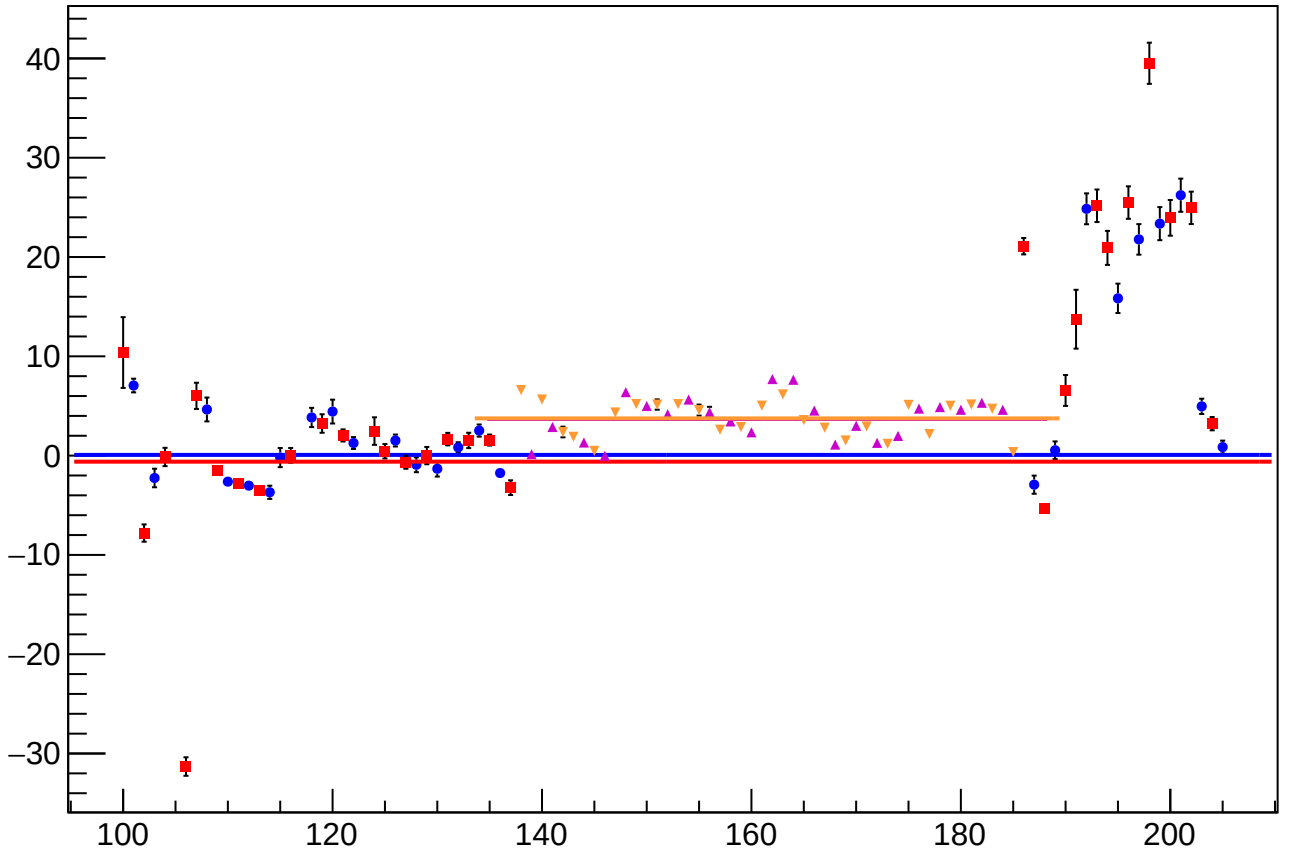
Left: 0.169+/-0.002 χ^2/NDF: 2126.1/47

Right: -0.057+/-0.005 χ^2/NDF: 1297.6/54

In: 0.139+/-0.003 χ^2/NDF:2308.6/47

Out: 0.146+/-0.003 χ^2/NDF:2705.2/54

All: 0.142+/-0.002 χ^2/NDF: 5017.5/102



Right In: 0.072+/-0.127 χ^2/NDF: 1490.4/24

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.609+/-0.119 χ^2/NDF: 3760.7/29

Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

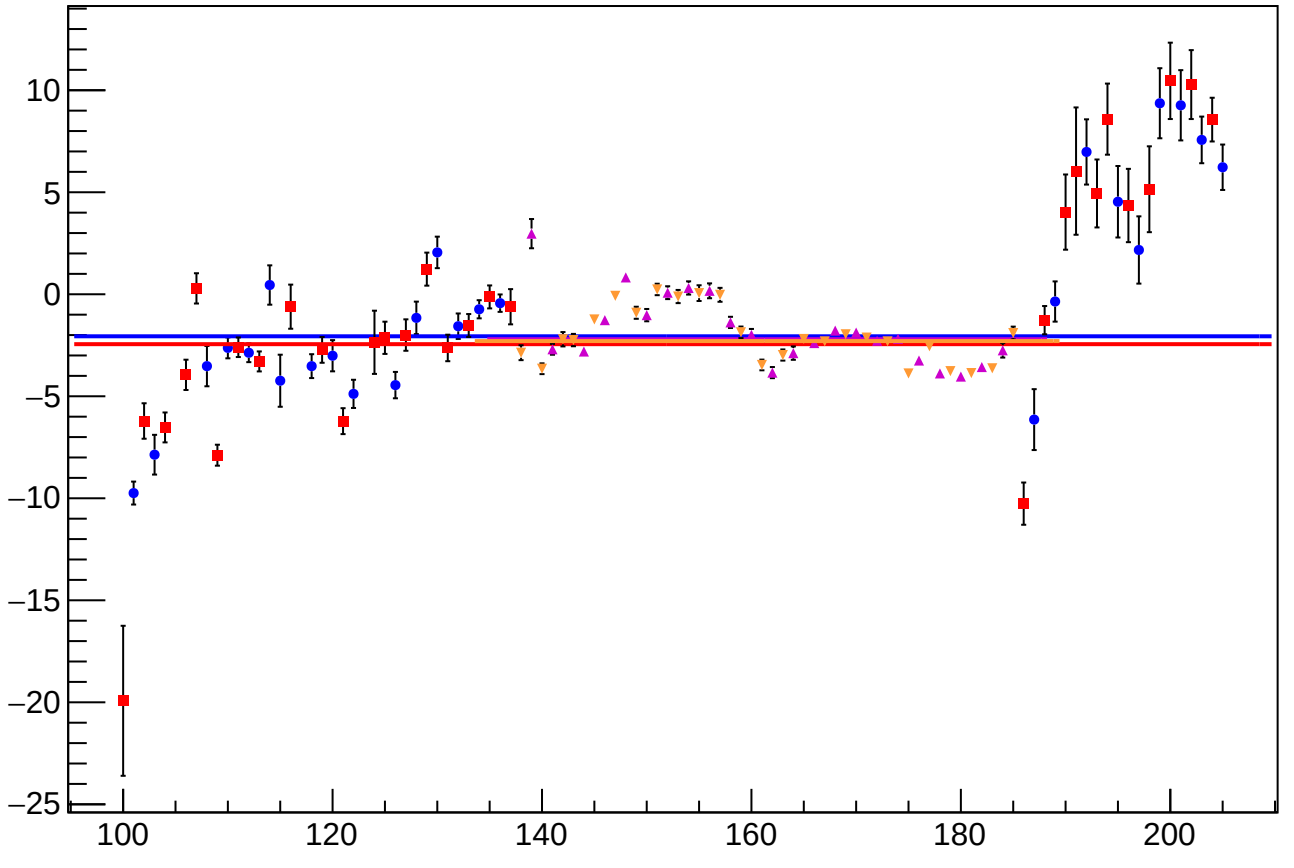
Left: 3.720+/-0.044 χ^2/NDF: 1763.6/47

Right: -0.291+/-0.087 χ^2/NDF: 5266.5/54

In: 2.956+/-0.057 χ^2/NDF:3091.6/47

Out: 2.815+/-0.055 χ^2/NDF:5631.5/54

All: 2.883+/-0.040 χ^2/NDF: 8726.3/102



Right In: -2.060+/-0.148 χ^2/NDF: 607.5/24

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.446+/-0.147 χ^2/NDF: 665.5/29

Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

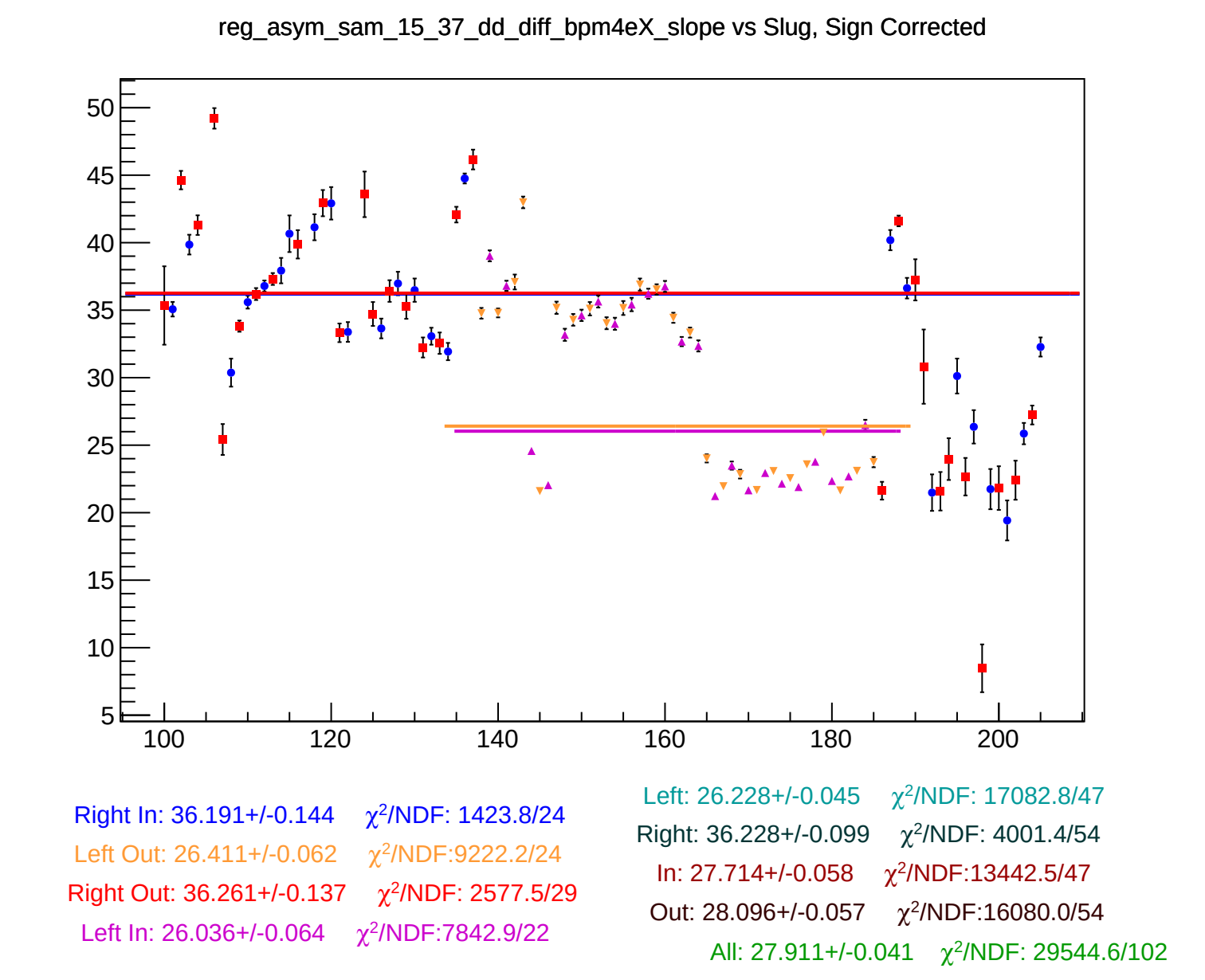
Left: -2.250+/-0.035 χ^2/NDF: 1357.8/47

Right: -2.254+/-0.104 χ^2/NDF: 1276.4/54

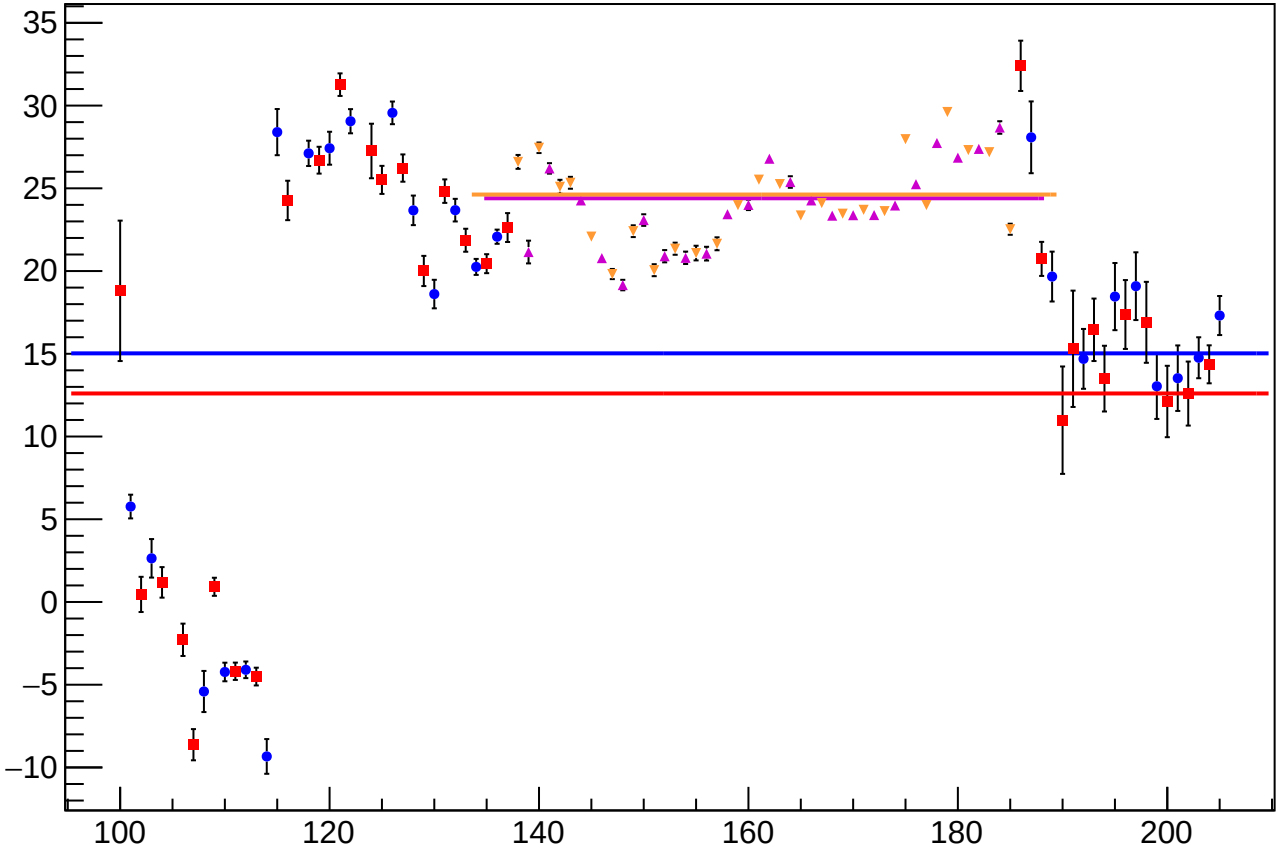
In: -2.189+/-0.048 χ^2/NDF:1333.0/47

Out: -2.310+/-0.047 χ^2/NDF:1298.0/54

All: -2.251+/-0.034 χ^2/NDF: 2634.2/102


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: 36.191+/-0.144 χ2/NDF: 1423.8/24
Left Out: 26.411+/-0.062 χ2/NDF:9222.2/24
Right Out: 36.261+/-0.137 χ2/NDF: 2577.5/29
Left In: 26.036+/-0.064 χ2/NDF:7842.9/22
Left: 26.228+/-0.045 χ2/NDF: 17082.8/47
Right: 36.228+/-0.099 χ2/NDF: 4001.4/54
In: 27.714+/-0.058 χ2/NDF:13442.5/47
Out: 28.096+/-0.057 χ2/NDF:16080.0/54
All: 27.911+/-0.041 χ2/NDF: 29544.6/102

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 15.026+/-0.166 χ^2/NDF: 5745.8/24

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.602+/-0.167 χ^2/NDF: 6367.0/29

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

Left: 24.513+/-0.039 χ^2/NDF: 3674.6/47

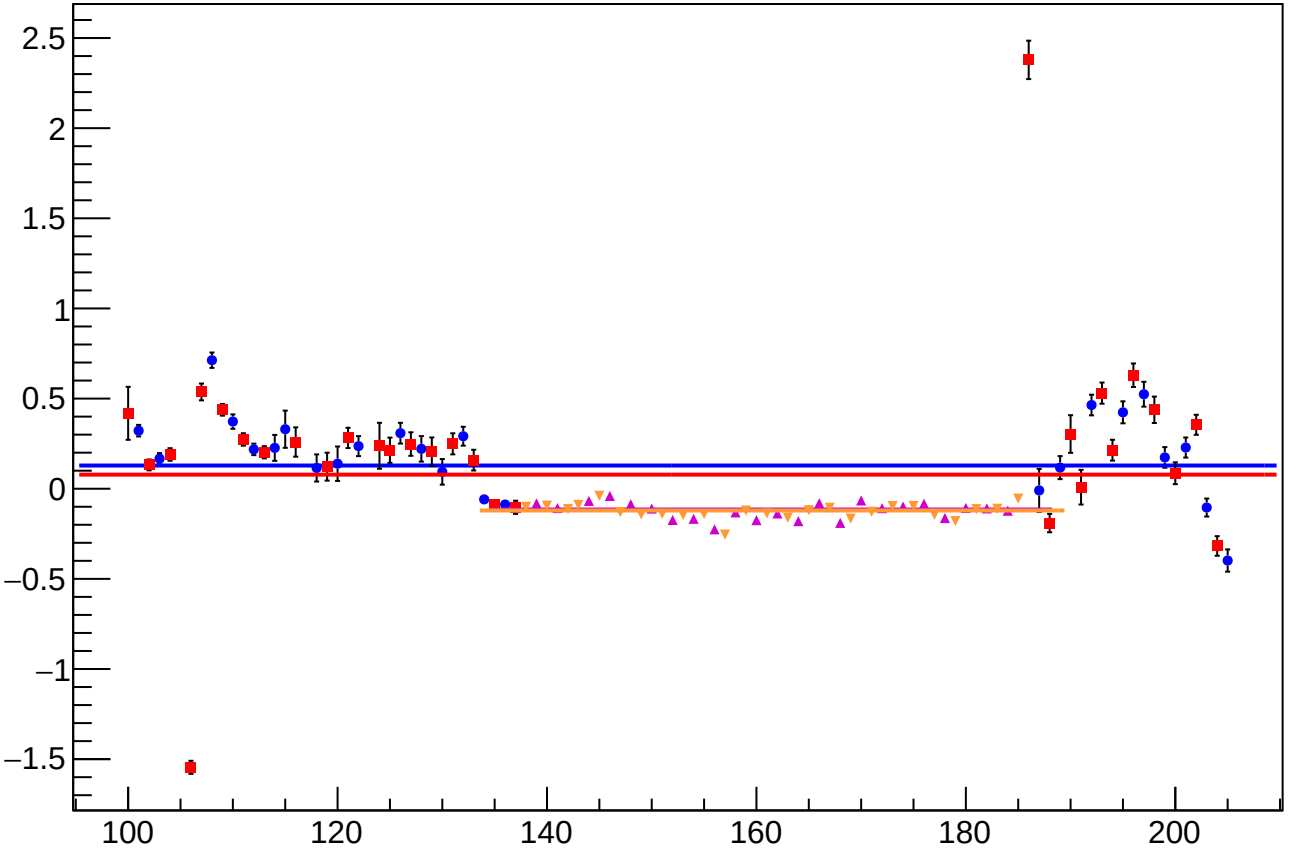
Right: 13.826+/-0.118 χ^2/NDF: 12218.7/54

In: 23.423+/-0.053 χ^2/NDF:10325.5/47

Out: 23.445+/-0.052 χ^2/NDF:12973.2/54

All: 23.434+/-0.037 χ^2/NDF: 23298.7/102

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.129+/-0.009 χ^2/NDF: 710.9/24

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.078+/-0.009 χ^2/NDF: 3170.7/29

Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

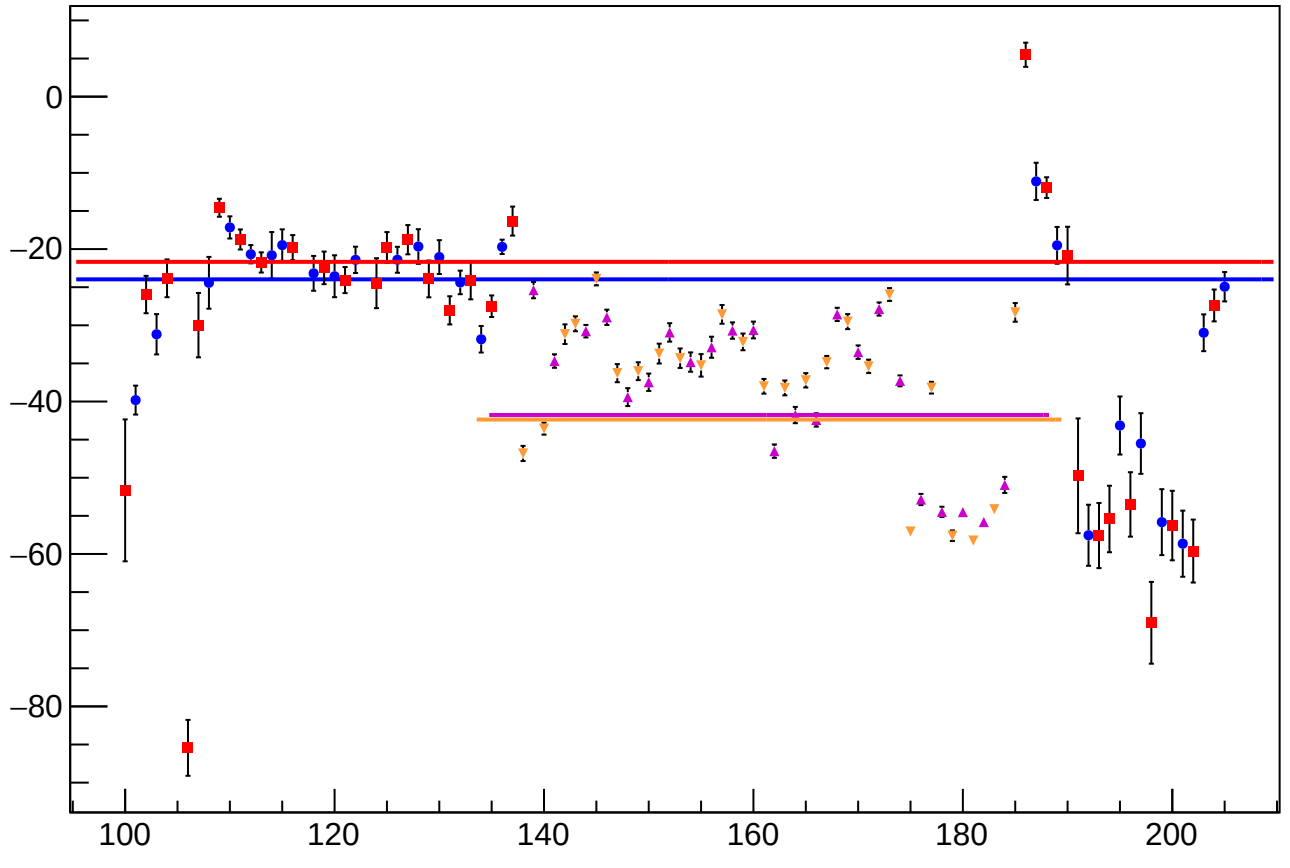
Left: -0.118+/-0.002 χ^2/NDF: 556.0/47

Right: 0.104+/-0.006 χ^2/NDF: 3898.7/54

In: -0.096+/-0.002 χ^2/NDF:1751.6/47

Out: -0.106+/-0.002 χ^2/NDF:3913.3/54

All: -0.101+/-0.002 χ^2/NDF: 5674.2/102



Right In: -23.971+/-0.396 χ^2/NDF: 446.3/24

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.675+/-0.382 χ^2/NDF: 1181.1/29

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

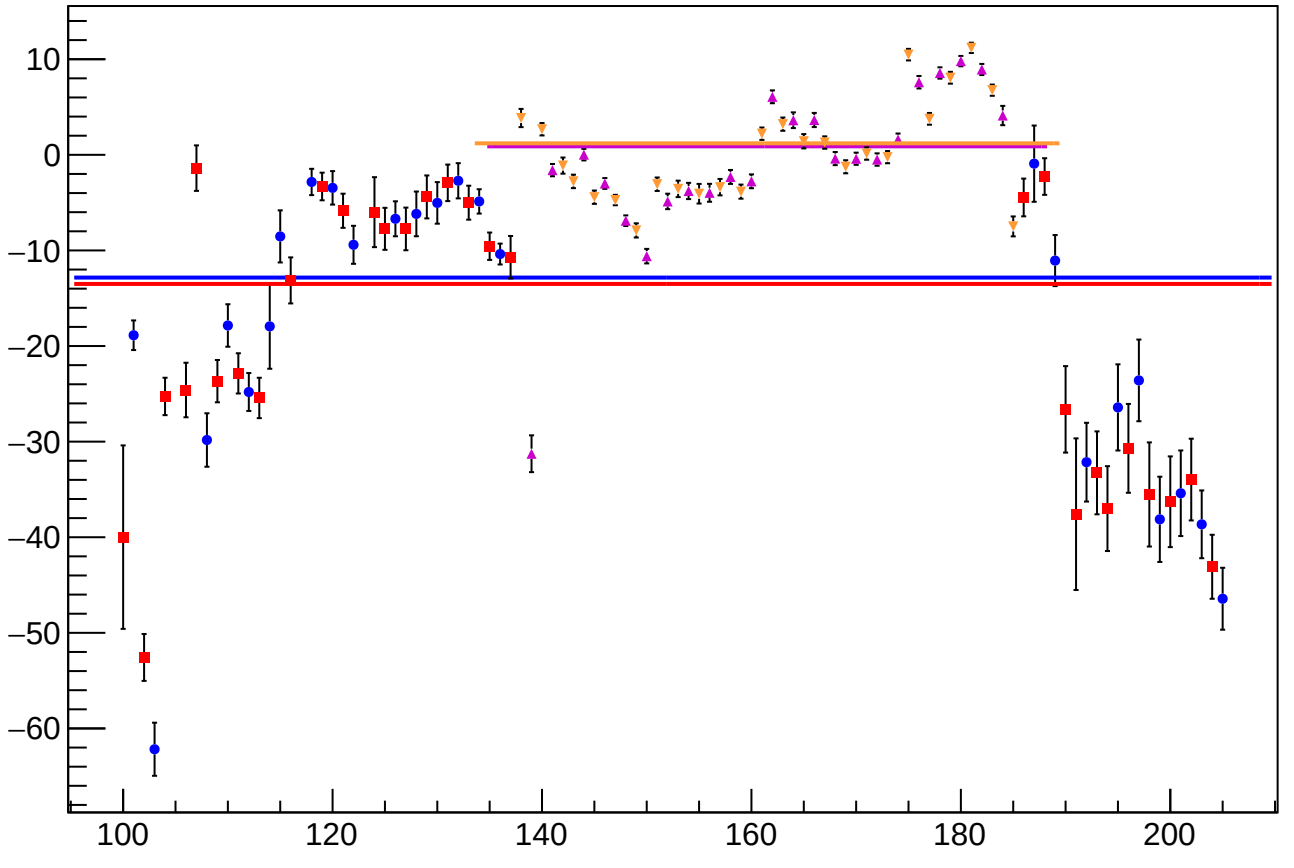
Left: -42.076+/-0.126 χ^2/NDF: 7942.1/47

Right: -22.783+/-0.275 χ^2/NDF: 1644.7/54

In: -38.669+/-0.165 χ^2/NDF:5573.3/47

Out: -38.775+/-0.159 χ^2/NDF:8078.7/54

All: -38.724+/-0.115 χ^2/NDF: 13652.2/102



Right In: -12.839+/-0.426 χ^2/NDF: 869.2/24

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

Right Out: -13.505+/-0.435 χ^2/NDF: 852.4/29

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

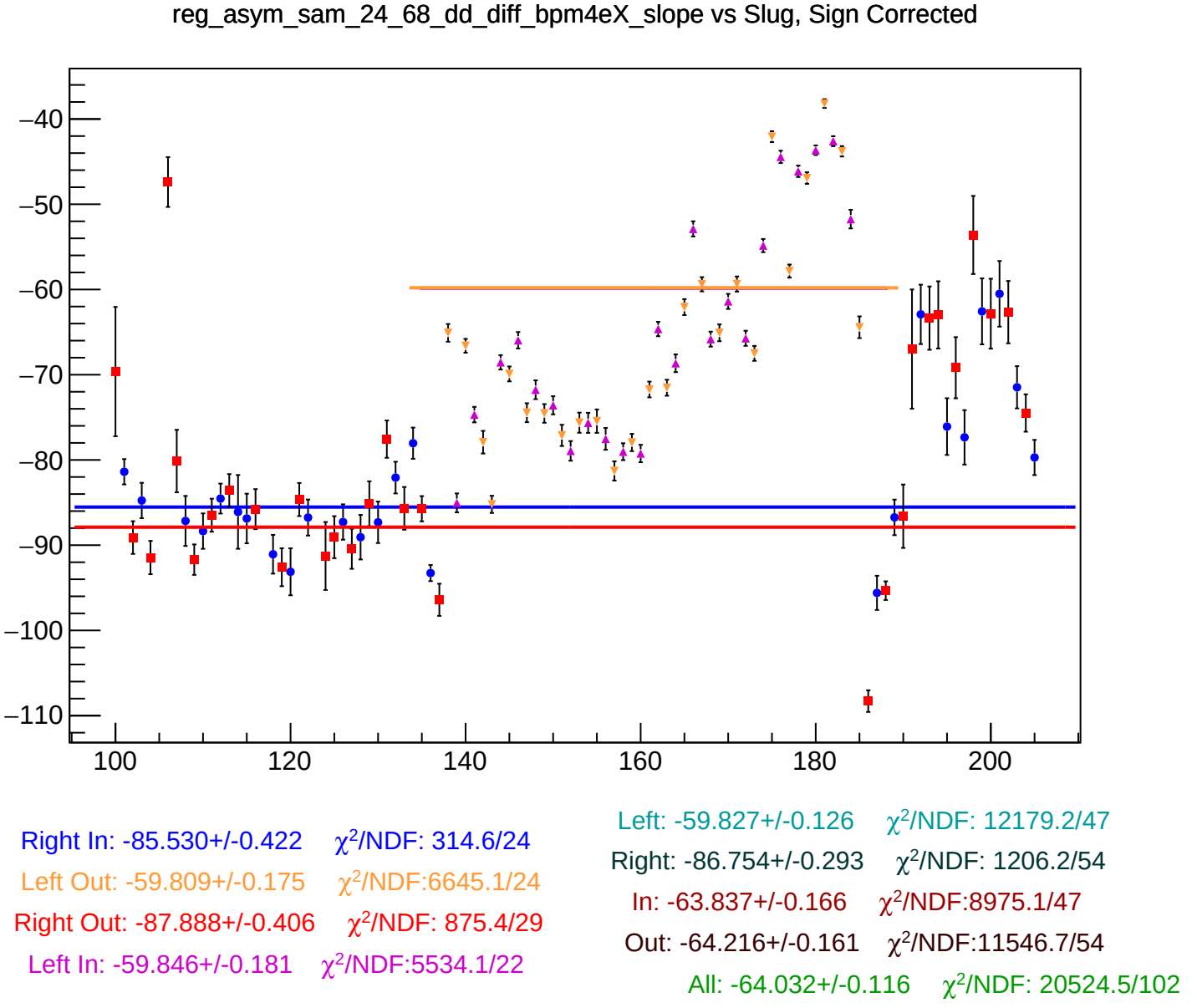
Left: 1.051+/-0.099 χ^2/NDF: 3229.8/47

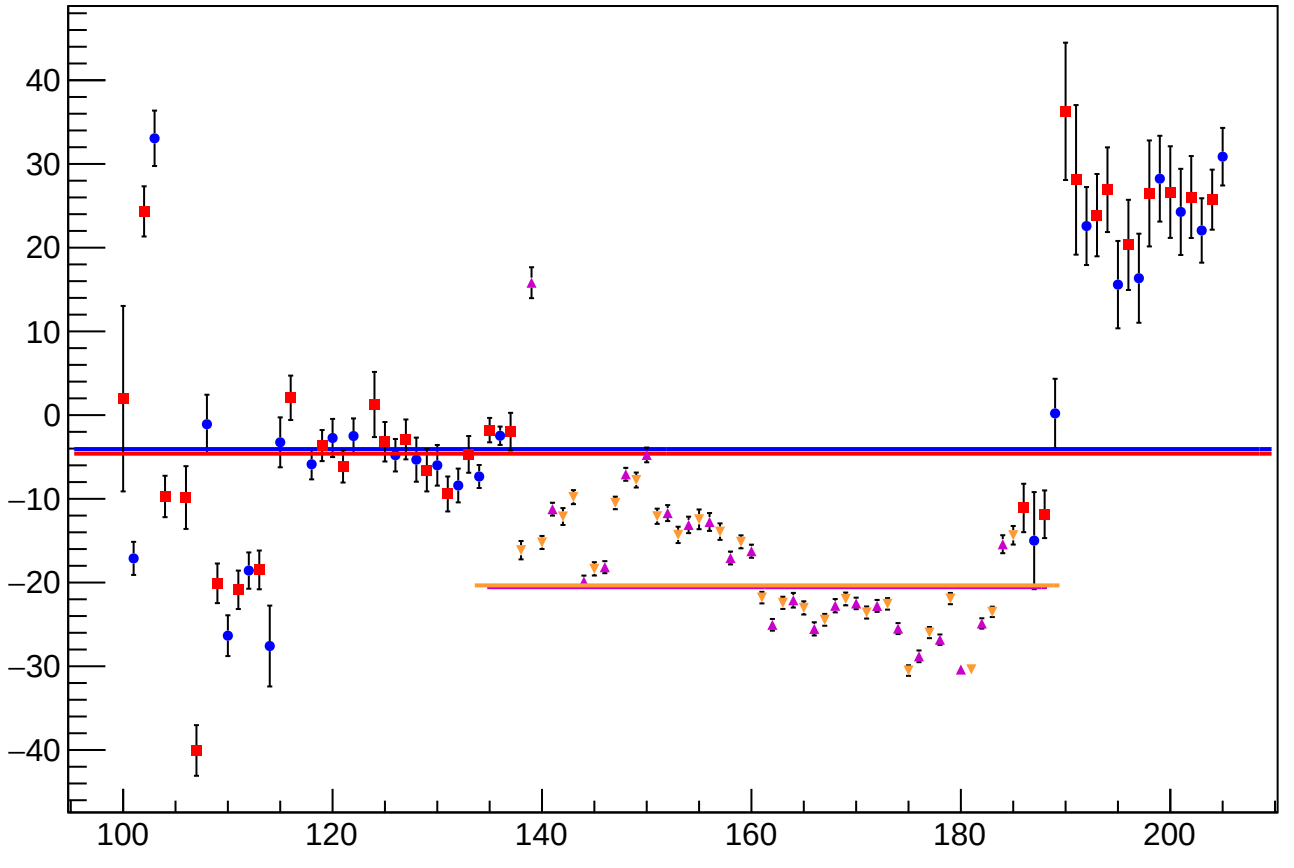
Right: -13.165+/-0.304 χ^2/NDF: 1722.8/54

In: -0.499+/-0.136 χ^2/NDF:3565.9/47

Out: -0.145+/-0.132 χ^2/NDF:3354.9/54

All: -0.317+/-0.094 χ^2/NDF: 6924.3/102


reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
−40
−50
−60
−70
−80
−90
−100
−110
100
120
140
160
180
200
Right In: -85.530+/-0.422 χ²/NDF: 314.6/24
Left Out: -59.809+/-0.175 χ²/NDF:6645.1/24
Right Out: -87.888+/-0.406 χ²/NDF: 875.4/29
Left In: -59.846+/-0.181 χ²/NDF:5534.1/22
Left: -59.827+/-0.126 χ²/NDF: 12179.2/47
Right: -86.754+/-0.293 χ²/NDF: 1206.2/54
In: -63.837+/-0.166 χ²/NDF:8975.1/47
Out: -64.216+/-0.161 χ²/NDF:11546.7/54
All: -64.032+/-0.116 χ²/NDF: 20524.5/102



Right In: -4.056+/-0.482 χ^2/NDF: 623.2/24

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -4.608+/-0.502 χ^2/NDF: 698.7/29

Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

Left: -20.444+/-0.111 χ^2/NDF: 3895.8/47

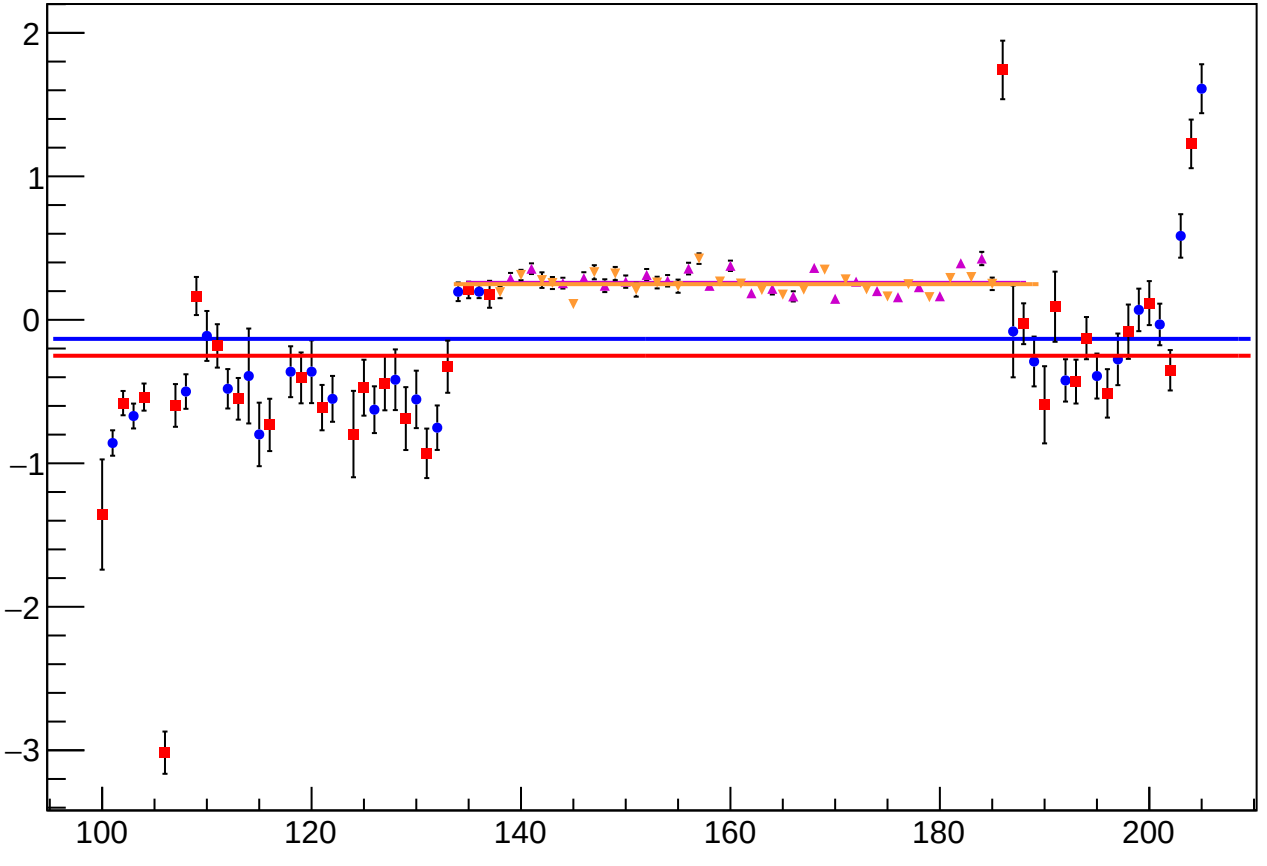
Right: -4.321+/-0.347 χ^2/NDF: 1322.6/54

In: -18.923+/-0.151 χ^2/NDF:3874.5/47

Out: -18.975+/-0.148 χ^2/NDF:3297.4/54

All: -18.950+/-0.106 χ^2/NDF: 7171.9/102

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.133+/-0.024 χ^2/NDF: 388.4/24

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.250+/-0.025 χ^2/NDF: 716.8/29

Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

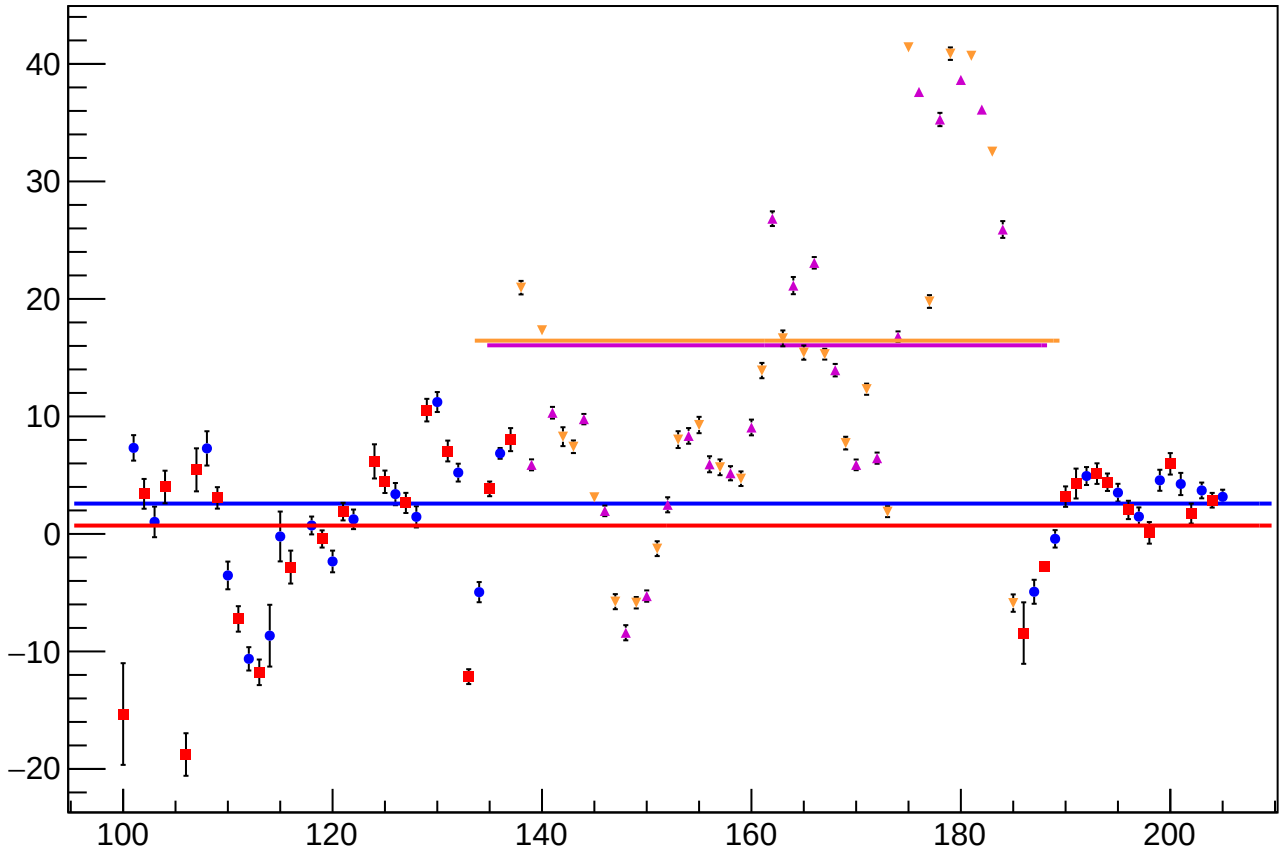
Left: 0.253+/-0.005 χ^2/NDF: 228.3/47

Right: -0.188+/-0.017 χ^2/NDF: 1116.5/54

In: 0.226+/-0.007 χ^2/NDF:764.7/47

Out: 0.214+/-0.007 χ^2/NDF:1168.3/54

All: 0.220+/-0.005 χ^2/NDF: 1934.6/102



Right In: 2.583+/-0.169 χ^2/NDF: 668.2/24

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 0.712+/-0.157 χ^2/NDF: 1245.7/29

Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

Left: 16.256+/-0.075 χ^2/NDF: 39032.5/47

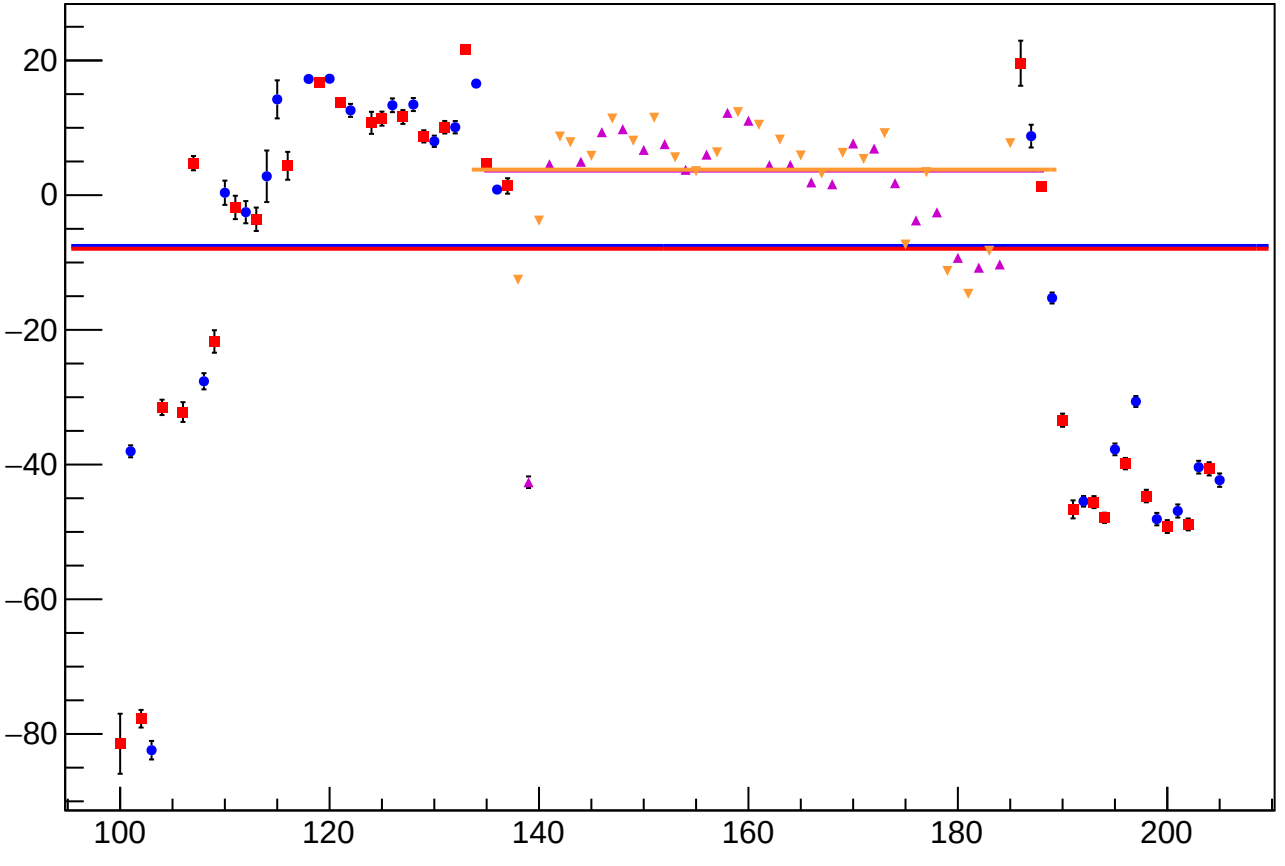
Right: 1.581+/-0.115 χ^2/NDF: 1979.8/54

In: 12.177+/-0.091 χ^2/NDF:22830.5/47

Out: 11.655+/-0.087 χ^2/NDF:29619.1/54

All: 11.905+/-0.063 χ^2/NDF: 52466.9/102

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -7.544+/-0.173 χ^2/NDF: 23455.7/24

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -7.958+/-0.164 χ^2/NDF: 28380.4/29

Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

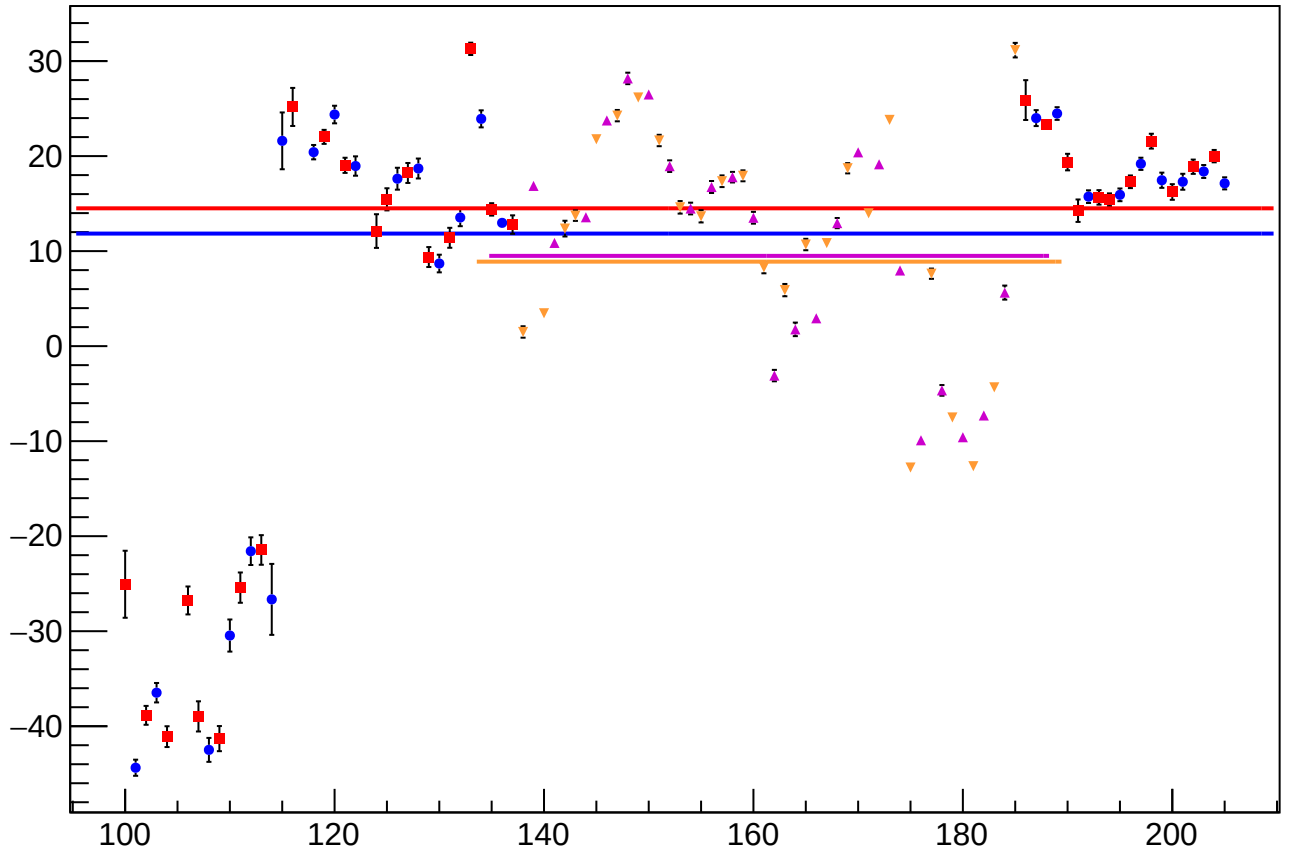
Left: 3.722+/-0.058 χ^2/NDF: 17412.8/47

Right: -7.761+/-0.119 χ^2/NDF: 51839.1/54

In: 1.558+/-0.075 χ^2/NDF:35166.3/47

Out: 1.539+/-0.072 χ^2/NDF:41604.2/54

All: 1.548+/-0.052 χ^2/NDF: 76770.5/102



Right In: 11.845+/-0.167 χ^2/NDF: 11403.0/24

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.503+/-0.151 χ^2/NDF: 12456.3/29

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

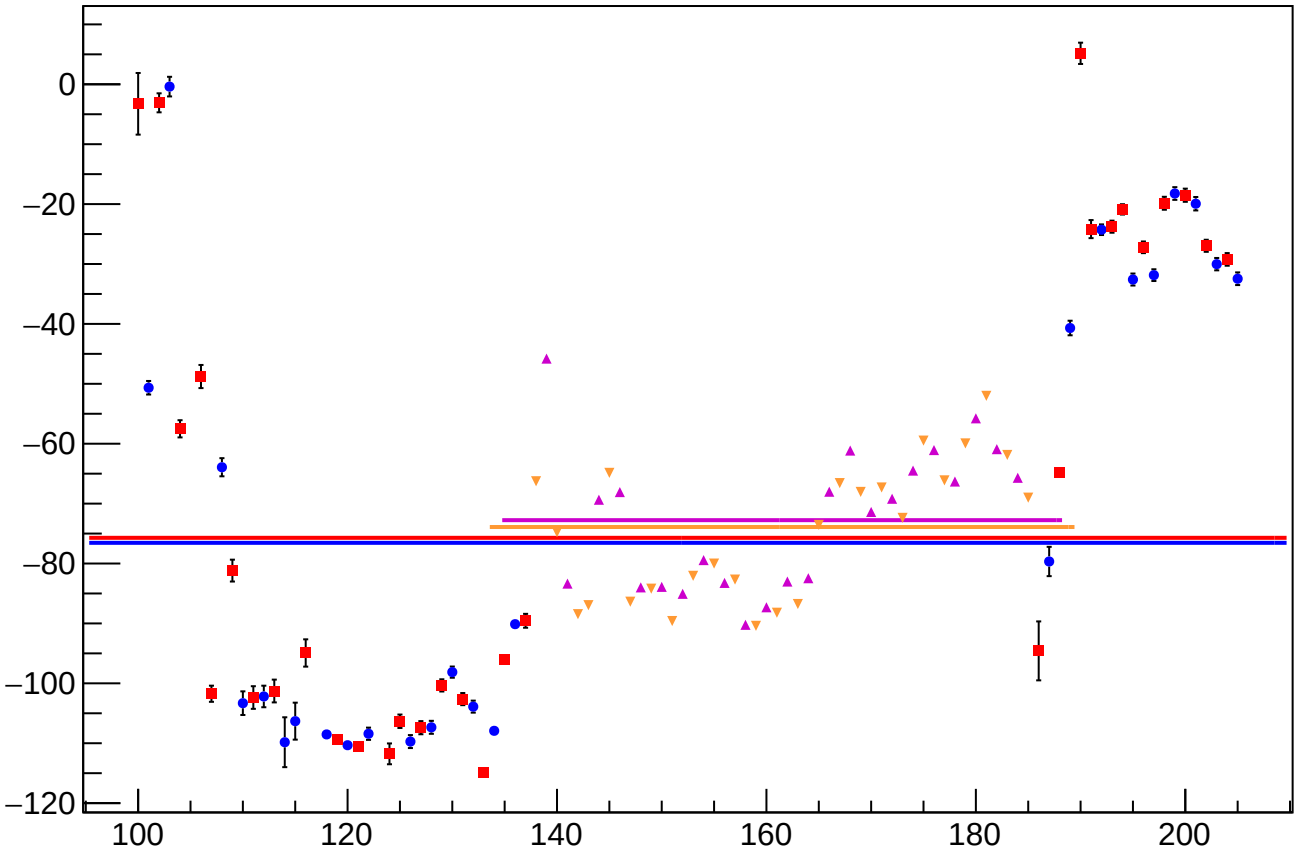
Left: 9.188+/-0.074 χ^2/NDF: 28485.8/47

Right: 13.306+/-0.112 χ^2/NDF: 23998.8/54

In: 10.180+/-0.090 χ^2/NDF:24584.4/47

Out: 10.690+/-0.086 χ^2/NDF:28822.4/54

All: 10.447+/-0.062 χ^2/NDF: 53423.8/102



Right In: -76.545+/-0.201 χ^2/NDF: 32392.1/24

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

Right Out: -75.709+/-0.194 χ^2/NDF: 39905.6/29

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

Left: -73.353+/-0.065 χ^2/NDF: 28257.1/47

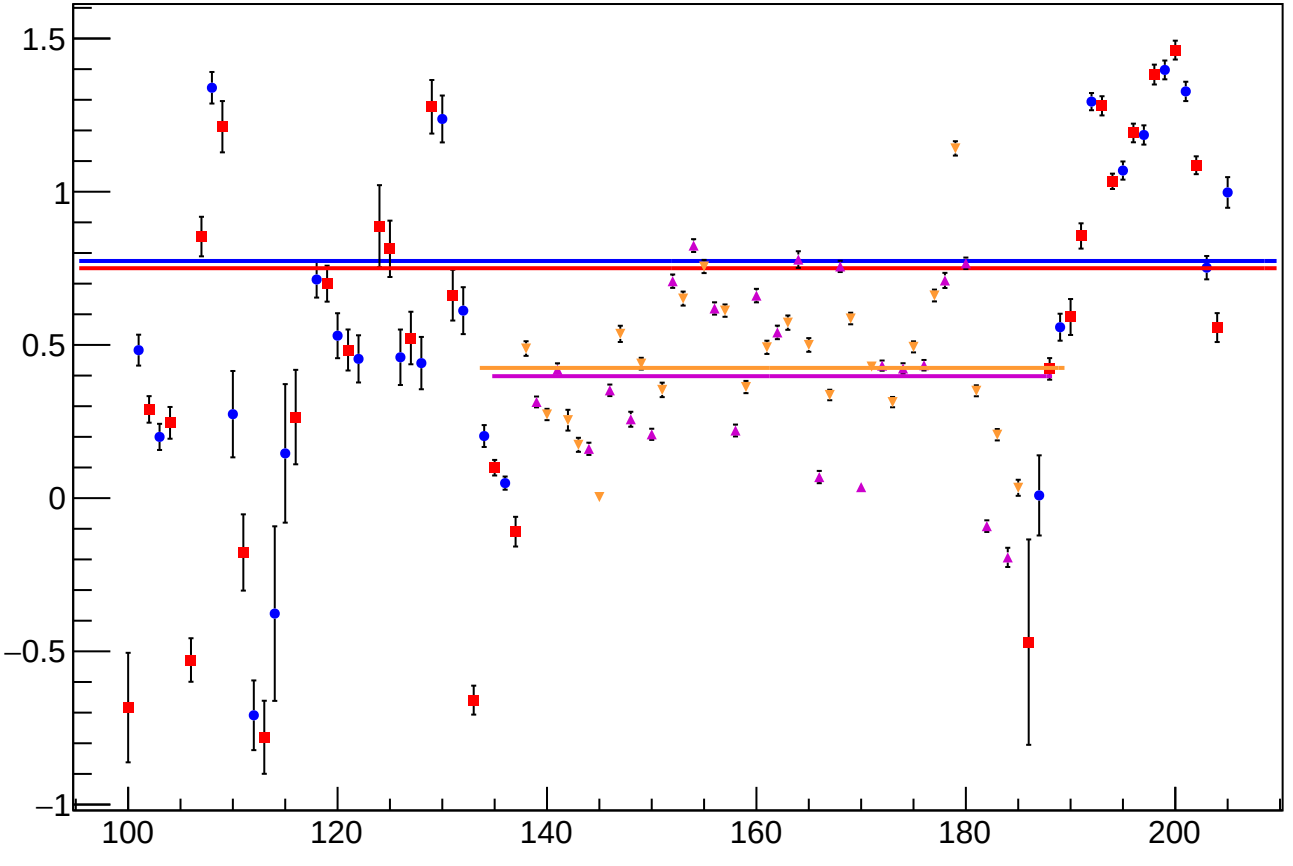
Right: -76.113+/-0.140 χ^2/NDF: 72306.7/54

In: -73.434+/-0.085 χ^2/NDF:45296.3/47

Out: -74.228+/-0.082 χ^2/NDF:55543.5/54

All: -73.844+/-0.059 χ^2/NDF: 100885.1/102

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.774+/-0.009 χ^2/NDF: 3443.8/24

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.750+/-0.008 χ^2/NDF: 4587.1/29

Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

Left: 0.412+/-0.003 χ^2/NDF: 7328.2/47

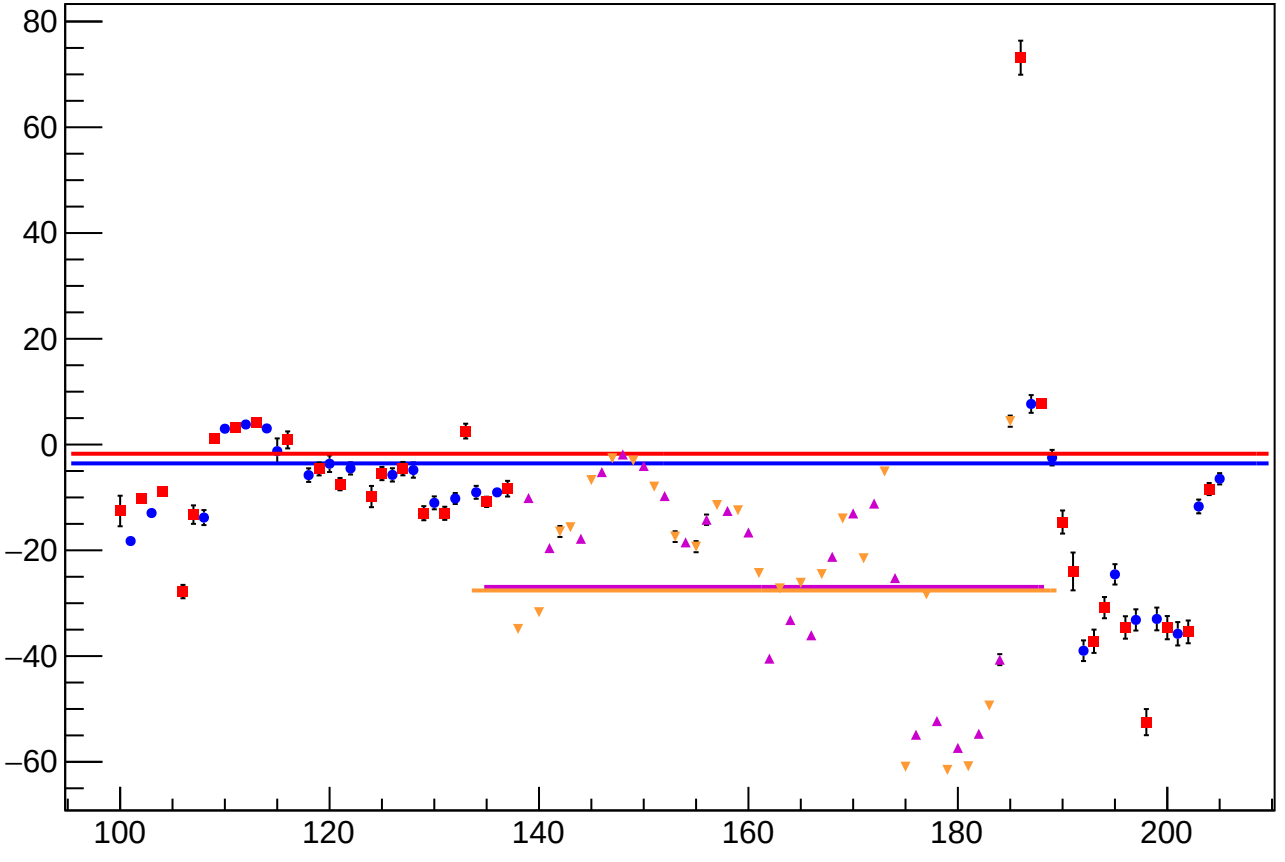
Right: 0.762+/-0.006 χ^2/NDF: 8034.7/54

In: 0.465+/-0.004 χ^2/NDF:9201.9/47

Out: 0.487+/-0.004 χ^2/NDF:8843.9/54

All: 0.476+/-0.003 χ^2/NDF: 18062.5/102

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.561+/-0.181 χ^2/NDF: 2699.0/24

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.736+/-0.161 χ^2/NDF: 3893.7/29

Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

Left: -27.267+/-0.104 χ^2/NDF: 35308.8/47

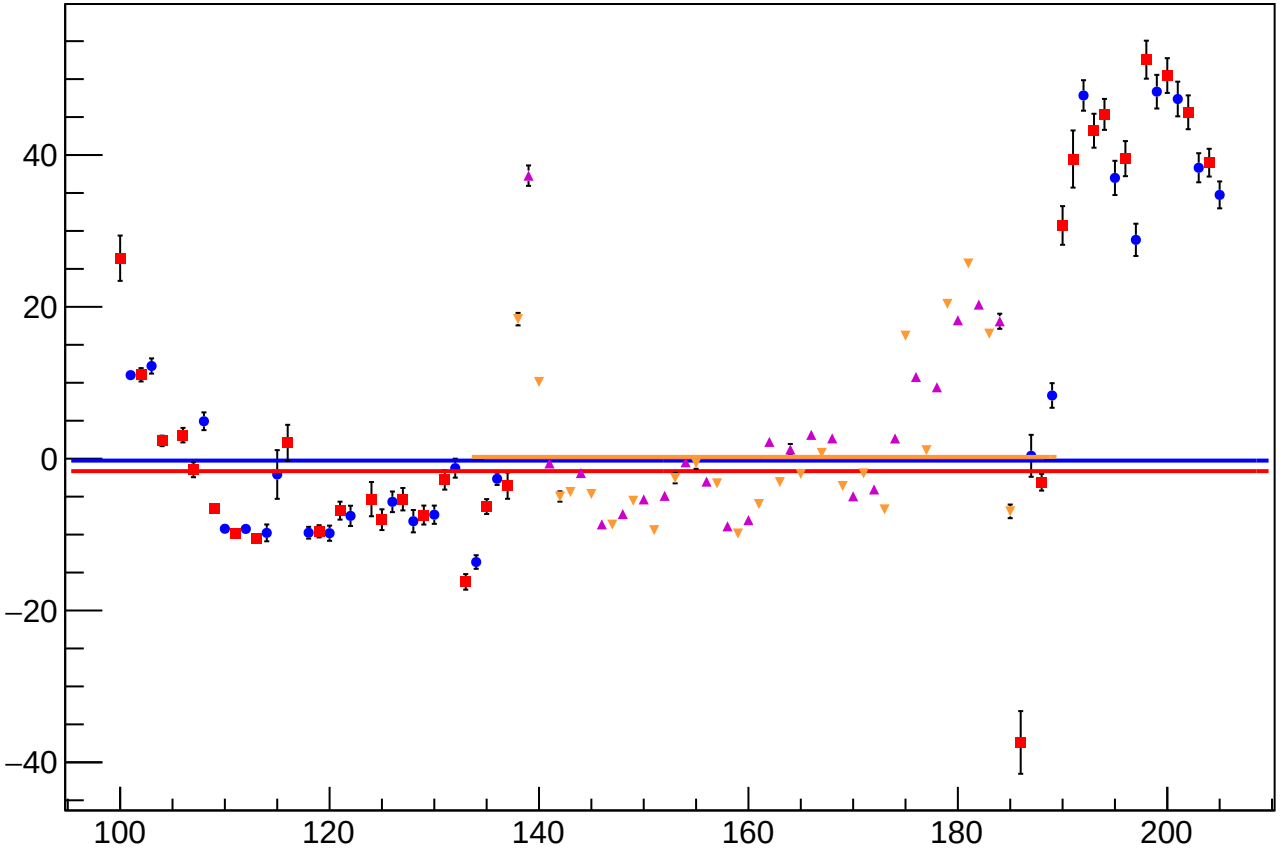
Right: -2.544+/-0.120 χ^2/NDF: 6649.6/54

In: -17.451+/-0.115 χ^2/NDF:28167.6/47

Out: -16.081+/-0.107 χ^2/NDF:37950.9/54

All: -16.719+/-0.079 χ^2/NDF: 66194.2/102

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.252+/-0.214 χ^2/NDF: 4443.4/24

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -1.642+/-0.206 χ^2/NDF: 4772.6/29

Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

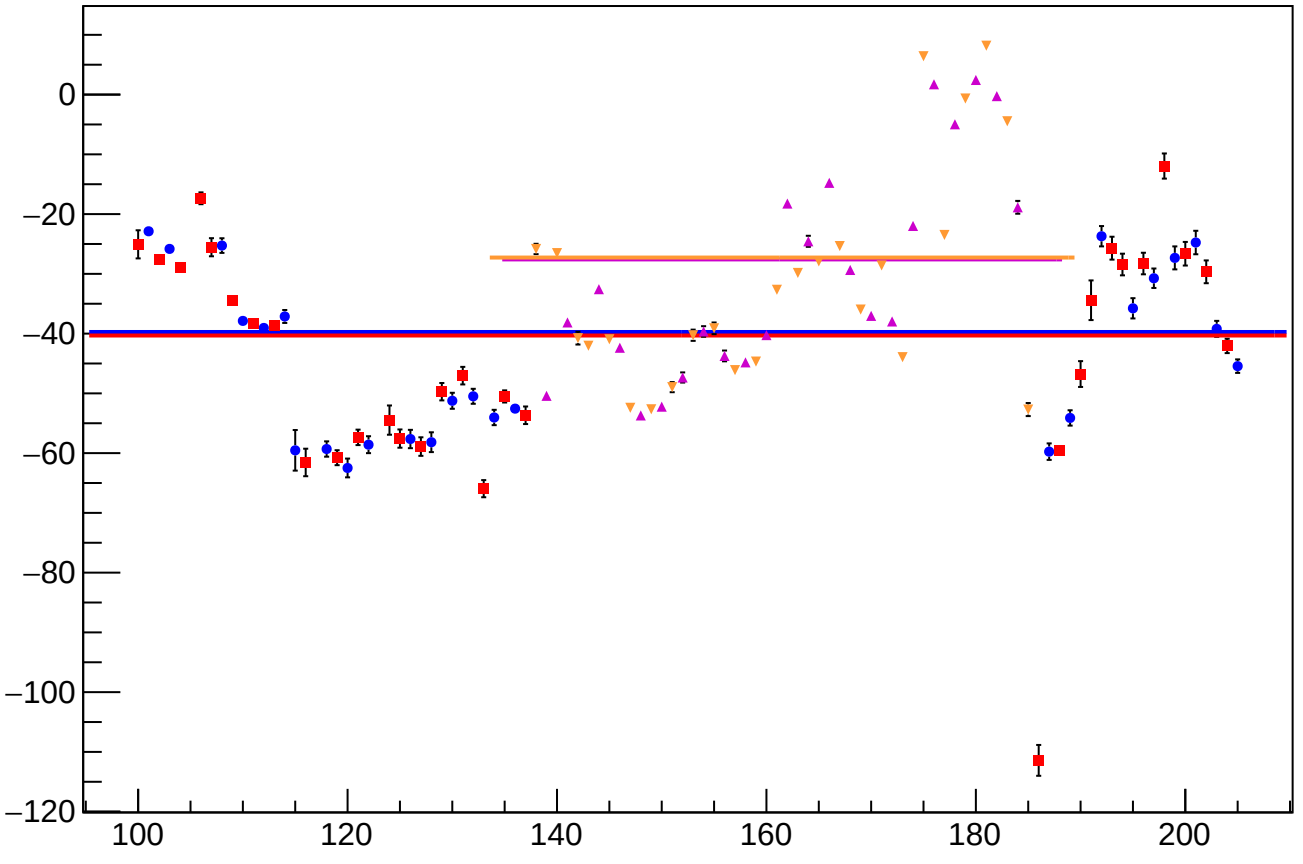
Left: 0.187+/-0.079 χ^2/NDF: 13873.5/47

Right: -0.973+/-0.149 χ^2/NDF: 9237.8/54

In: 0.046+/-0.101 χ^2/NDF:10283.3/47

Out: -0.180+/-0.097 χ^2/NDF:12872.7/54

All: -0.071+/-0.070 χ^2/NDF: 23158.6/102



Right In: -39.729+/-0.205 χ^2/NDF: 3545.9/24

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.317+/-0.191 χ^2/NDF: 4971.2/29

Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

Left: -27.423+/-0.103 χ^2/NDF: 34177.9/47

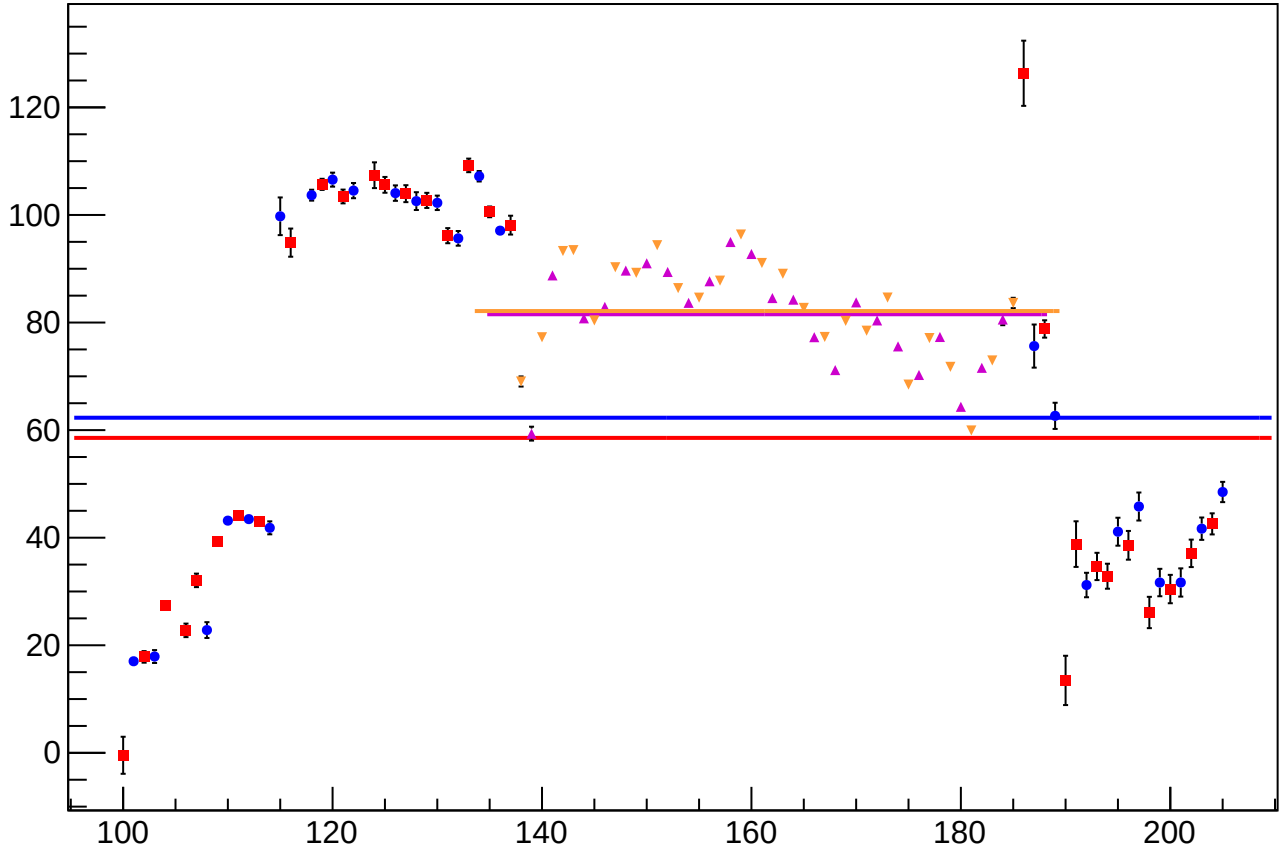
Right: -40.044+/-0.140 χ^2/NDF: 8521.5/54

In: -31.746+/-0.120 χ^2/NDF:21496.7/47

Out: -32.004+/-0.115 χ^2/NDF:26480.8/54

All: -31.881+/-0.083 χ^2/NDF: 47979.8/102

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 62.304+/-0.245 χ^2/NDF: 19388.1/24

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.554+/-0.237 χ^2/NDF: 18499.5/29

Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

Left: 81.846+/-0.090 χ^2/NDF: 9429.9/47

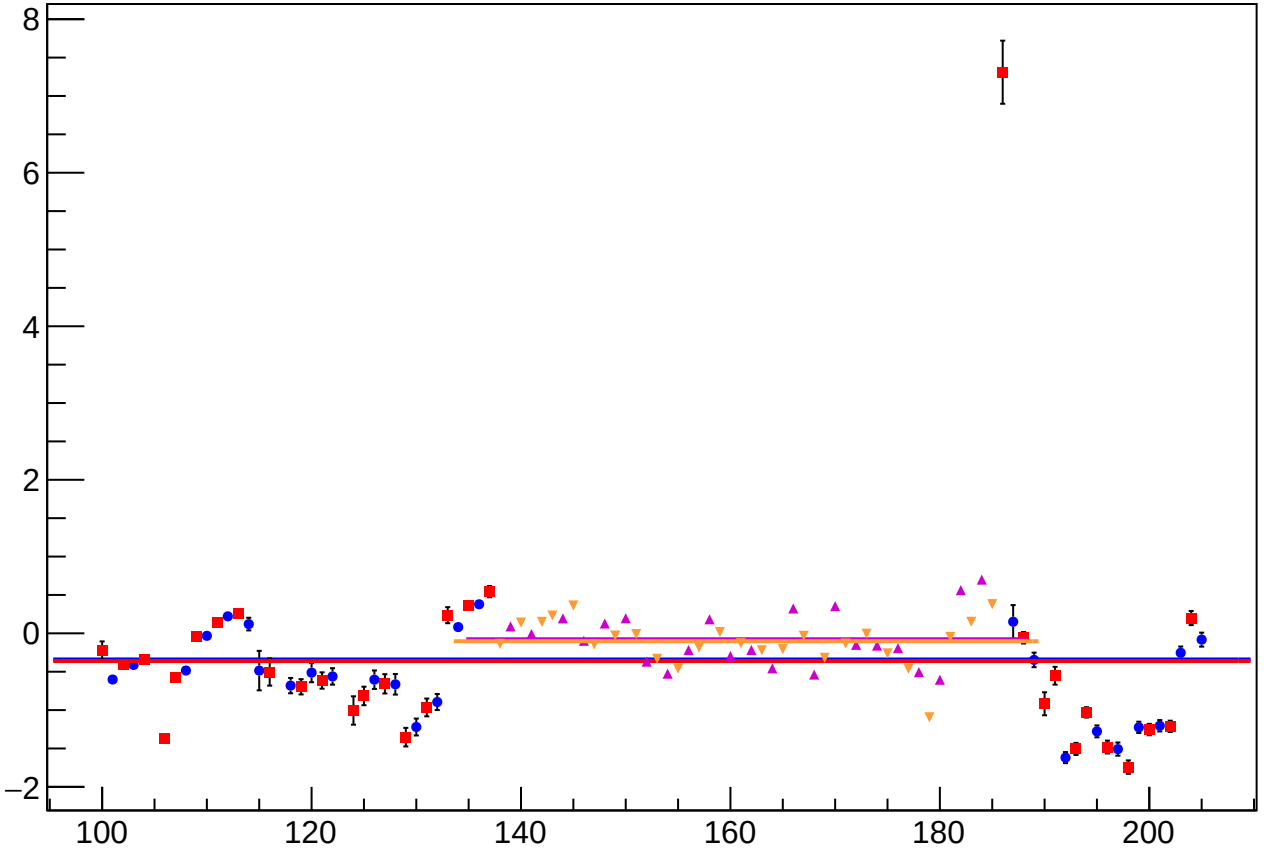
Right: 60.363+/-0.170 χ^2/NDF: 38008.5/54

In: 77.375+/-0.114 χ^2/NDF:28247.2/47

Out: 77.011+/-0.110 χ^2/NDF:31636.4/54

All: 77.187+/-0.079 χ^2/NDF: 59888.9/102

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.340+/-0.012 χ^2/NDF: 1983.3/24

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.361+/-0.012 χ^2/NDF: 2929.8/29

Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

Left: -0.090+/-0.004 χ^2/NDF: 5739.7/47

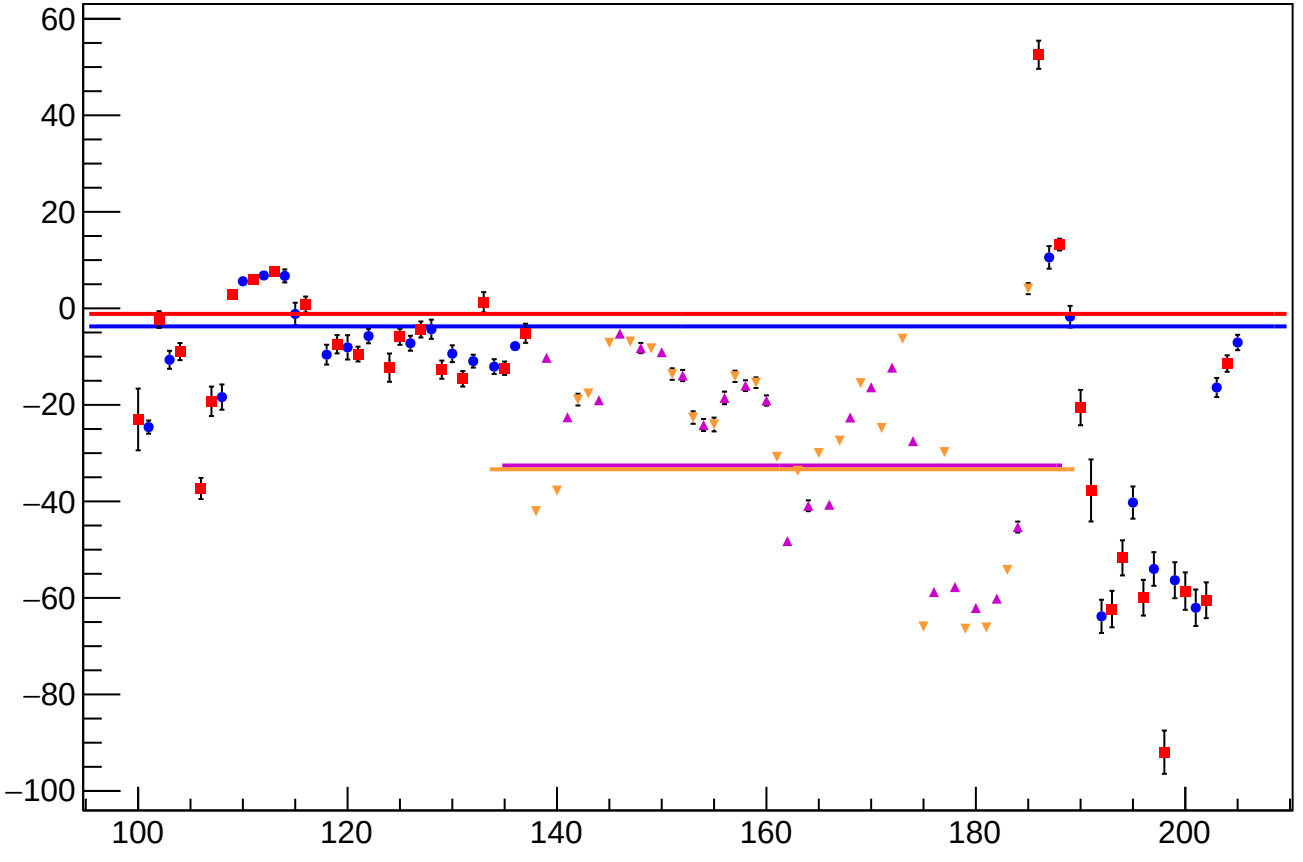
Right: -0.351+/-0.008 χ^2/NDF: 4914.6/54

In: -0.125+/-0.005 χ^2/NDF:5690.2/47

Out: -0.152+/-0.005 χ^2/NDF:5738.5/54

All: -0.139+/-0.004 χ^2/NDF: 11442.5/102

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.737+/-0.289 χ^2/NDF: 2098.1/24

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.145+/-0.265 χ^2/NDF: 3116.5/29

Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

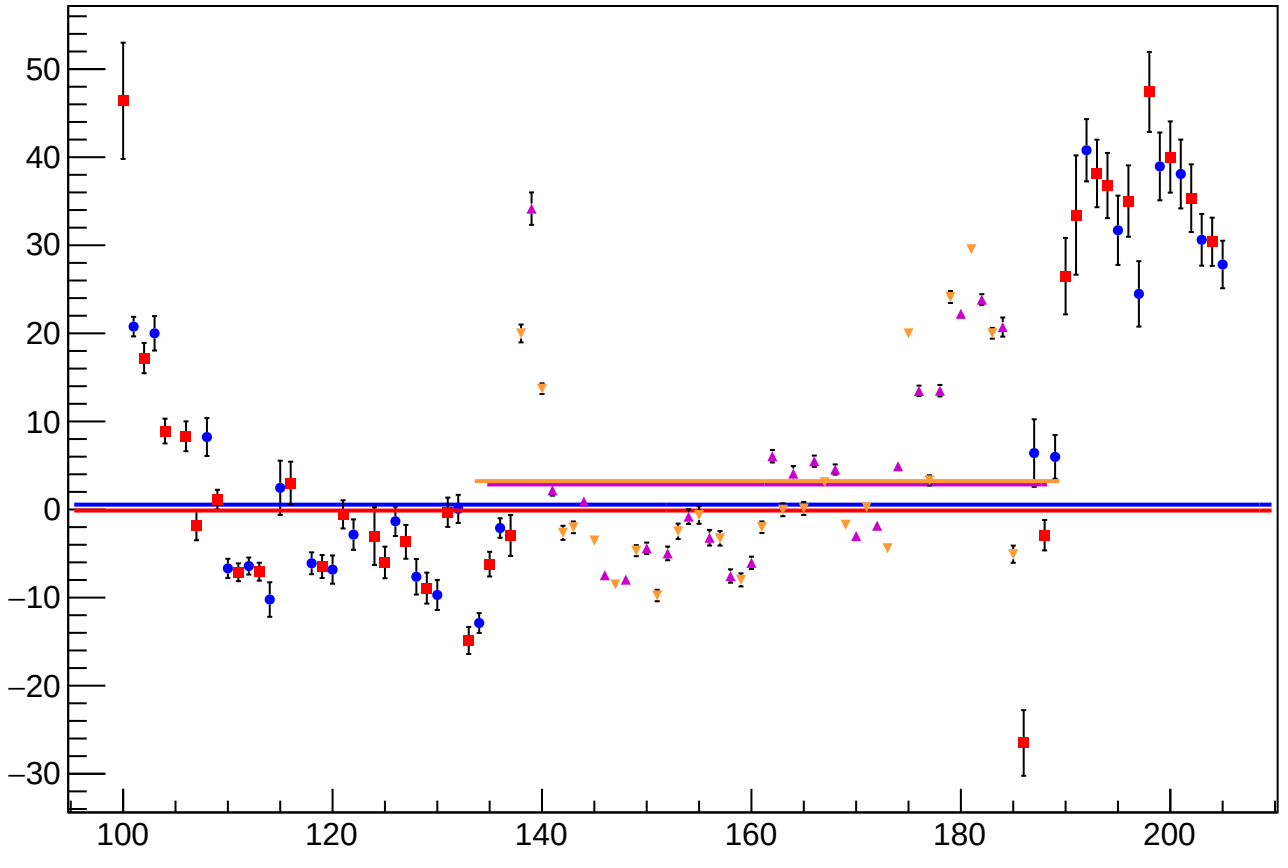
Left: -32.964+/-0.118 χ^2/NDF: 31896.7/47

Right: -2.329+/-0.195 χ^2/NDF: 5258.3/54

In: -25.191+/-0.146 χ^2/NDF:23391.8/47

Out: -24.388+/-0.140 χ^2/NDF:31752.4/54

All: -24.772+/-0.101 χ^2/NDF: 55160.0/102



Right In: 0.555+/-0.339 χ^2/NDF: 1465.2/24

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

Right Out: -0.117+/-0.335 χ^2/NDF: 1298.4/29

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

Left: 3.039+/-0.092 χ^2/NDF: 13135.4/47

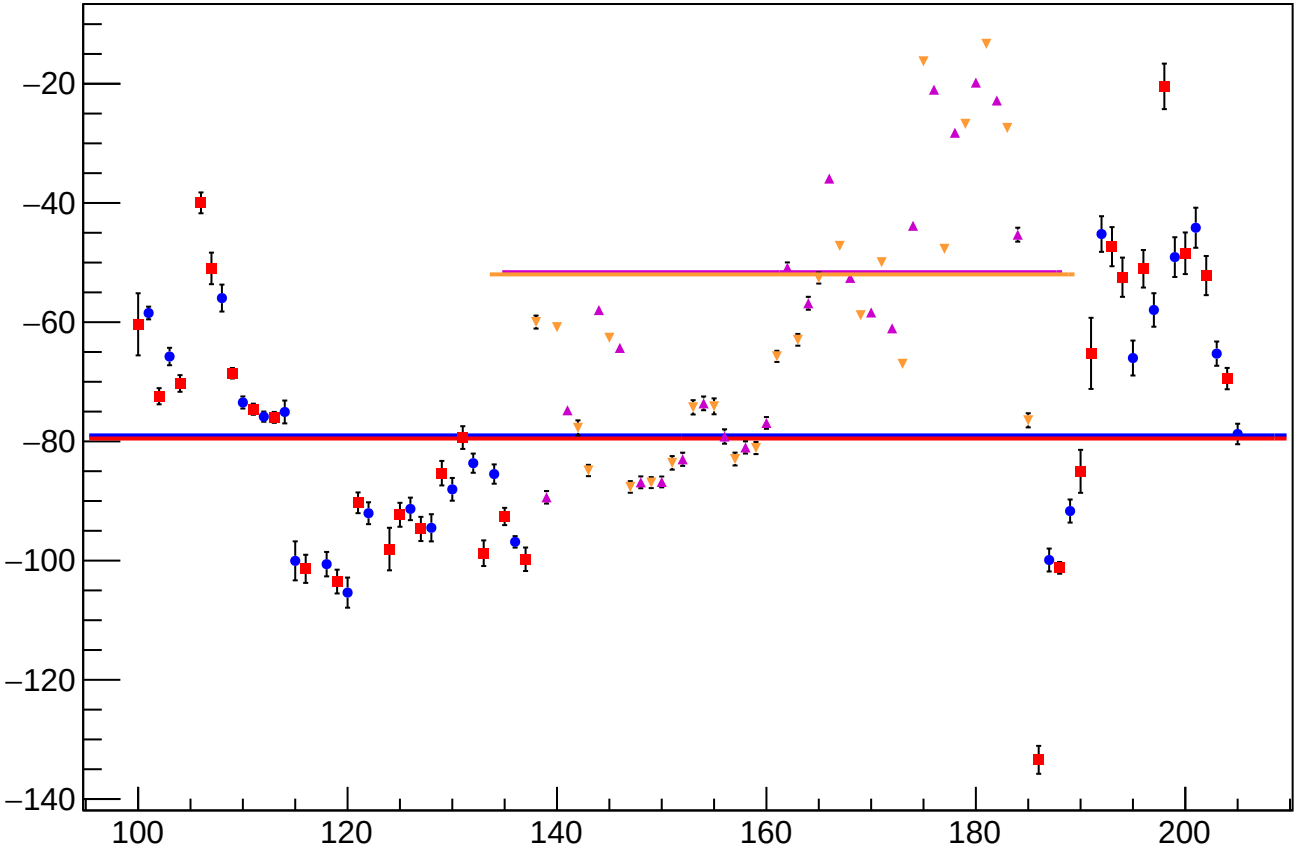
Right: 0.215+/-0.238 χ^2/NDF: 2765.6/54

In: 2.546+/-0.122 χ^2/NDF:6960.5/47

Out: 2.797+/-0.120 χ^2/NDF:9060.8/54

All: 2.675+/-0.086 χ^2/NDF: 16023.4/102

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -78.995+/-0.330 χ^2/NDF: 1993.9/24

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.517+/-0.314 χ^2/NDF: 3267.8/29

Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

Left: -51.802+/-0.118 χ^2/NDF: 38514.3/47

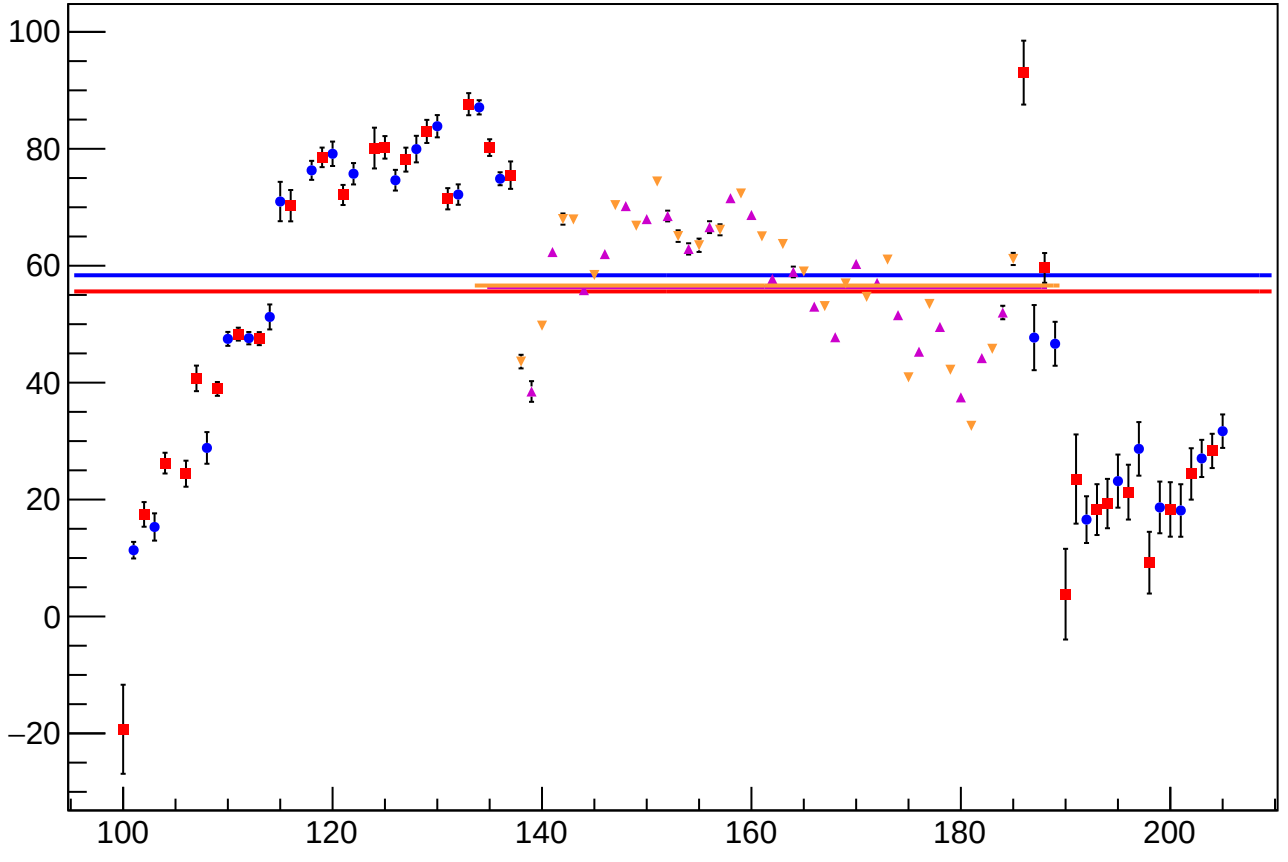
Right: -79.269+/-0.227 χ^2/NDF: 5263.0/54

In: -57.304+/-0.150 χ^2/NDF:25071.4/47

Out: -57.940+/-0.146 χ^2/NDF:30194.6/54

All: -57.632+/-0.105 χ^2/NDF: 55275.2/102

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 58.366+/-0.383 χ^2/NDF: 3846.6/24

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.602+/-0.381 χ^2/NDF: 3395.0/29

Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

Left: 56.483+/-0.103 χ^2/NDF: 9636.5/47

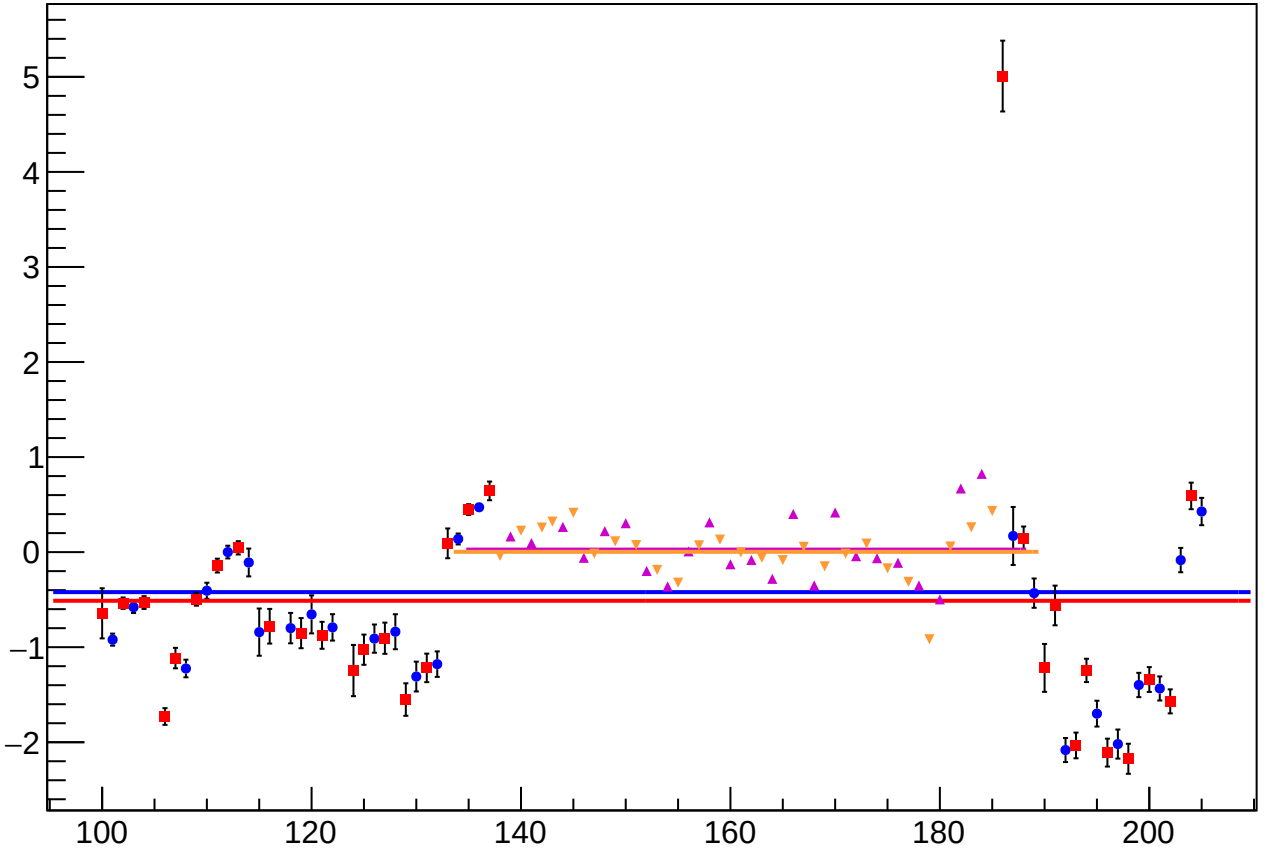
Right: 56.978+/-0.270 χ^2/NDF: 7267.7/54

In: 56.608+/-0.138 χ^2/NDF:7839.5/47

Out: 56.486+/-0.135 χ^2/NDF:9067.3/54

All: 56.546+/-0.096 χ^2/NDF: 16907.1/102

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.421+/-0.020 χ^2/NDF: 1307.6/24

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.512+/-0.020 χ^2/NDF: 1671.2/29

Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

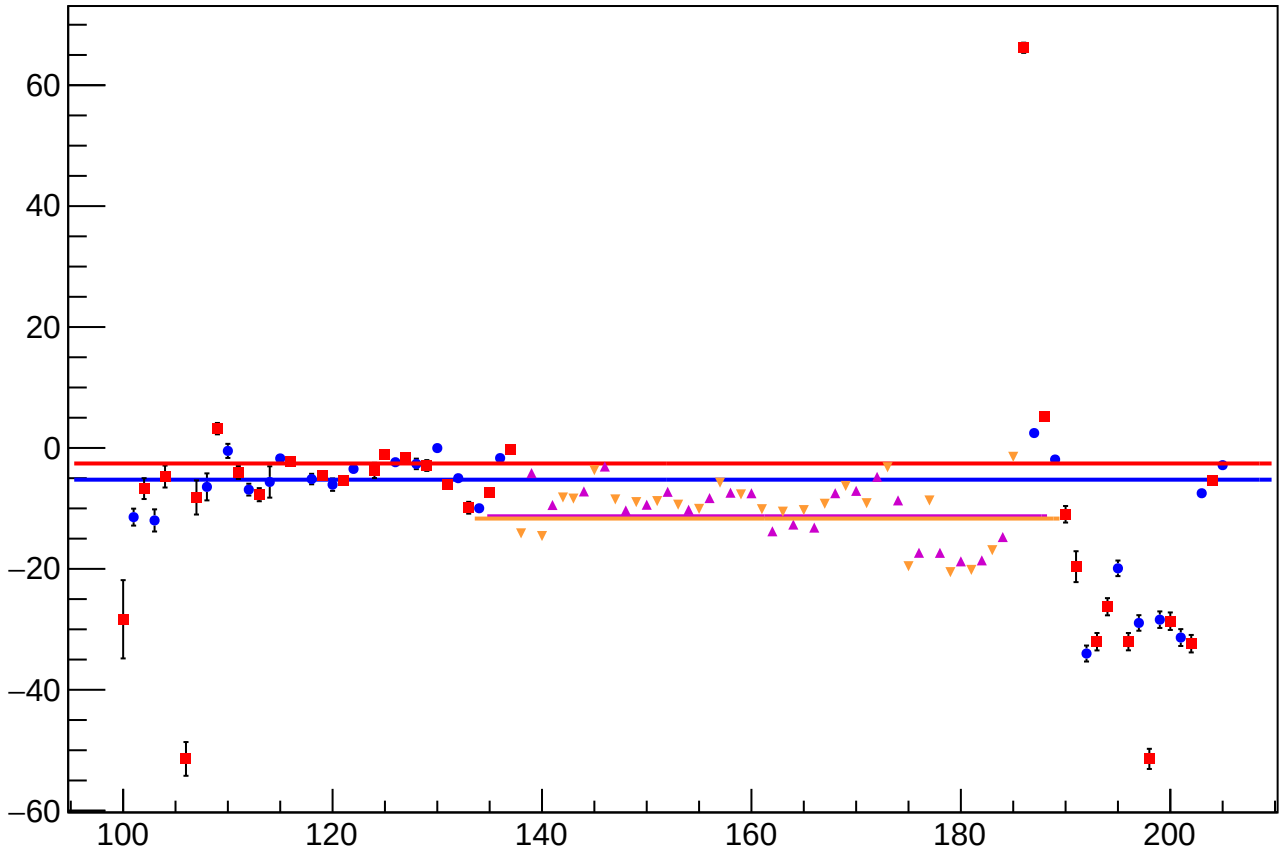
Left: 0.015+/-0.005 χ^2/NDF: 4056.1/47

Right: -0.466+/-0.014 χ^2/NDF: 2989.5/54

In: -0.019+/-0.006 χ^2/NDF:4120.6/47

Out: -0.046+/-0.006 χ^2/NDF:3990.1/54

All: -0.033+/-0.004 χ^2/NDF: 8120.6/102



Right In: -5.247+/-0.160 χ^2/NDF: 2023.3/24

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.569+/-0.162 χ^2/NDF: 10430.8/29

Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

Left: -11.495+/-0.038 χ^2/NDF: 21856.8/47

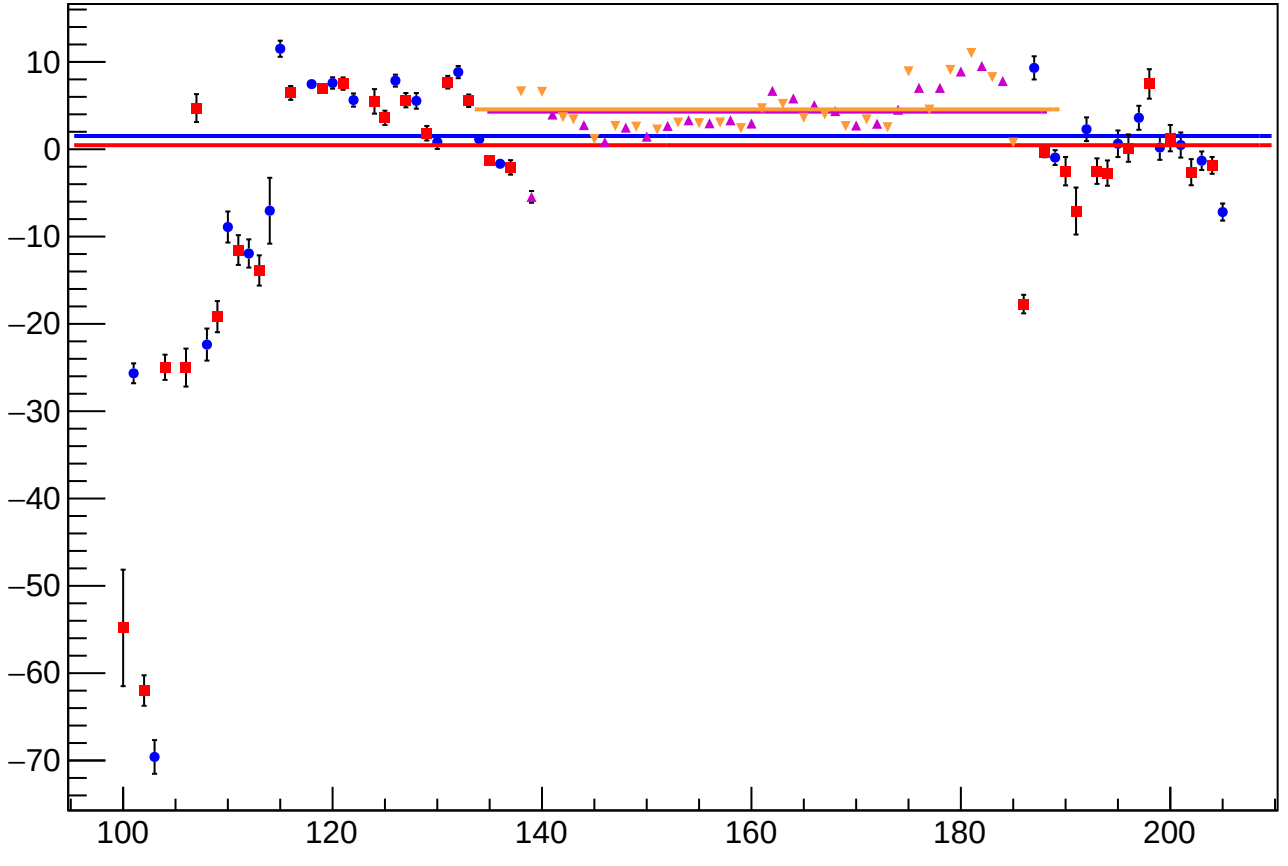
Right: -3.921+/-0.114 χ^2/NDF: 12592.8/54

In: -10.683+/-0.051 χ^2/NDF:12537.4/47

Out: -10.805+/-0.050 χ^2/NDF:25908.6/54

All: -10.745+/-0.036 χ^2/NDF: 38448.9/102

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.519+/-0.171 χ^2/NDF: 2975.7/24

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.462+/-0.180 χ^2/NDF: 2927.8/29

Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

Left: 4.438+/-0.030 χ^2/NDF: 7984.1/47

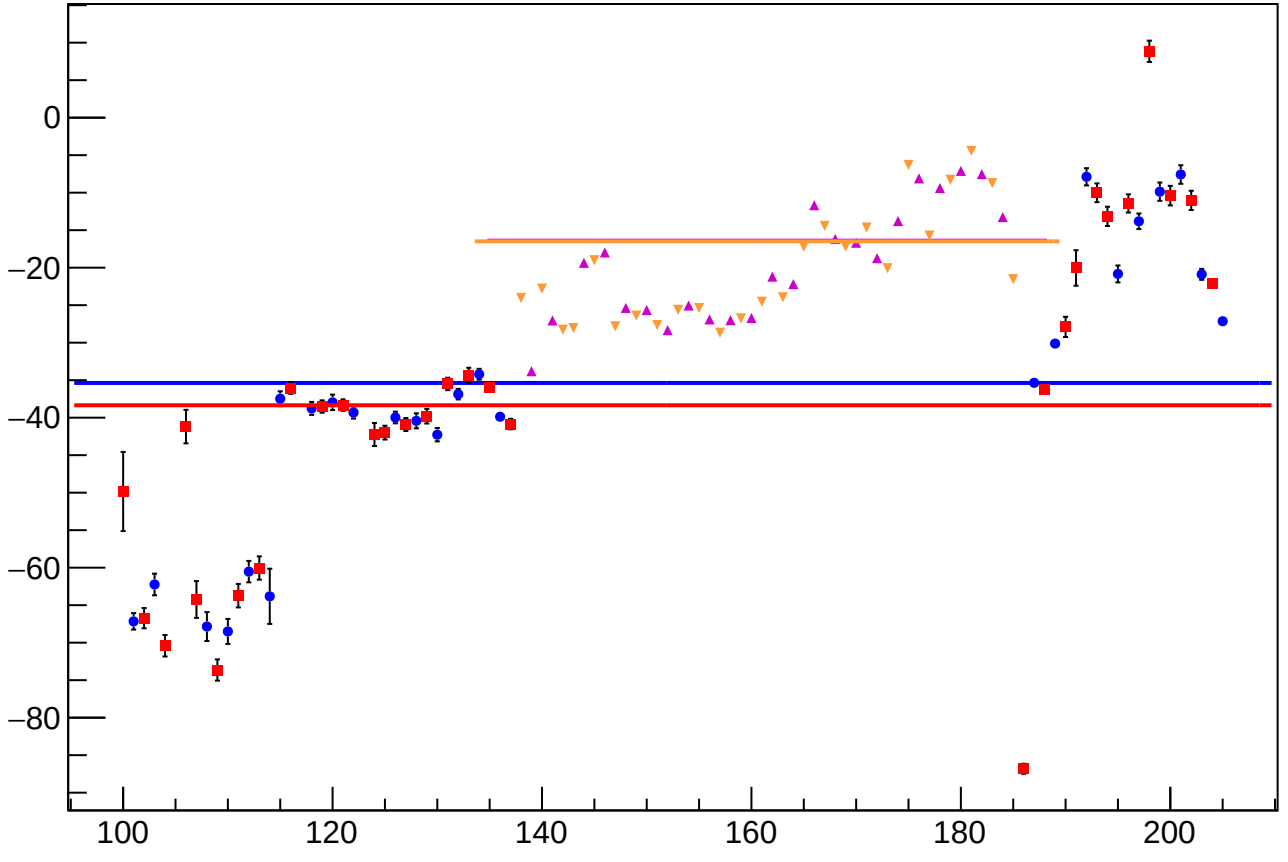
Right: 1.018+/-0.124 χ^2/NDF: 5921.7/54

In: 4.148+/-0.041 χ^2/NDF:6836.6/47

Out: 4.358+/-0.040 χ^2/NDF:7778.0/54

All: 4.254+/-0.029 χ^2/NDF: 14627.9/102

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -35.370+/-0.167 χ^2/NDF: 5319.2/24

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -38.347+/-0.165 χ^2/NDF: 11611.4/29

Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

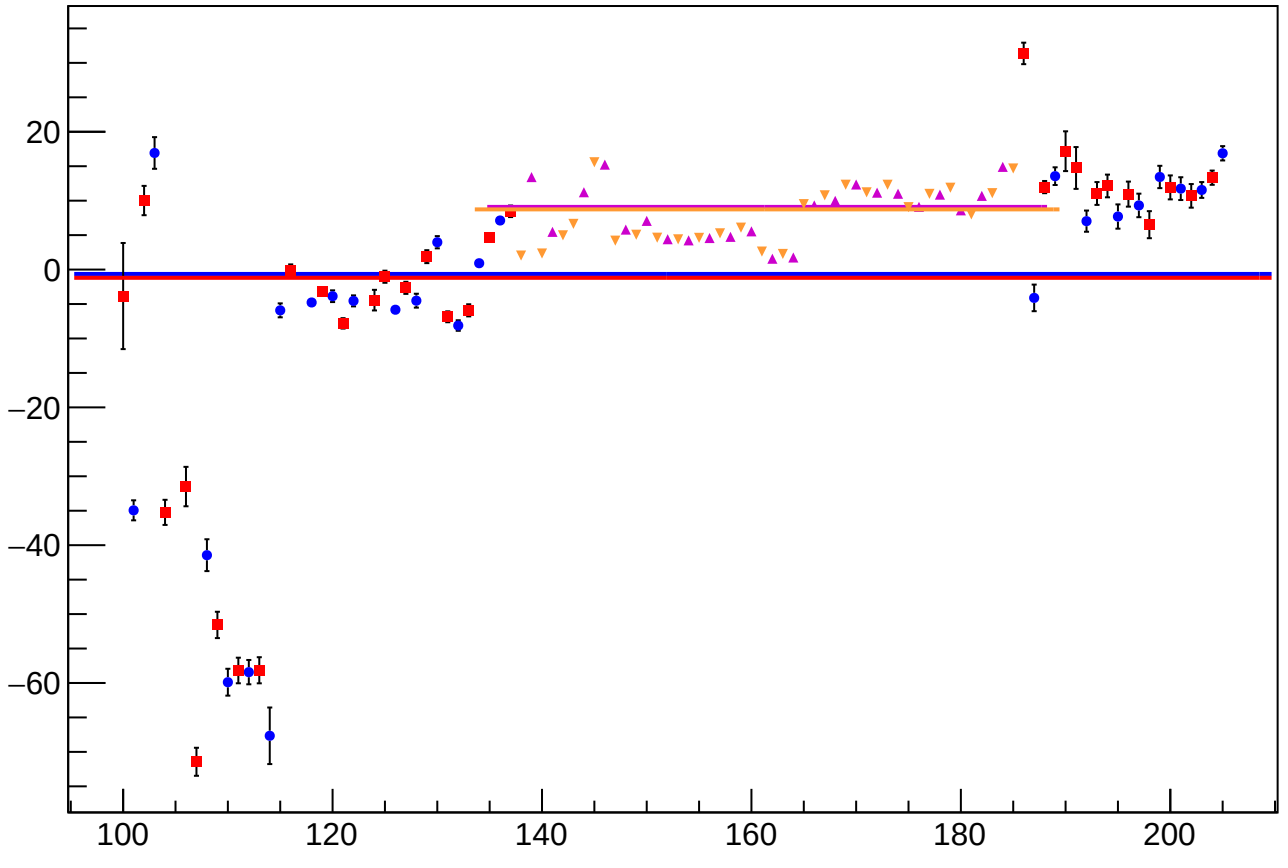
Left: -16.448+/-0.038 χ^2/NDF: 40016.4/47

Right: -36.872+/-0.117 χ^2/NDF: 17091.7/54

In: -18.200+/-0.051 χ^2/NDF:35080.6/47

Out: -18.521+/-0.050 χ^2/NDF:49504.3/54

All: -18.364+/-0.036 χ^2/NDF: 84604.7/102



Right In: -0.634+/-0.192 χ^2/NDF: 4580.8/24

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -1.195+/-0.207 χ^2/NDF: 5857.5/29

Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

Left: 8.912+/-0.033 χ^2/NDF: 12645.1/47

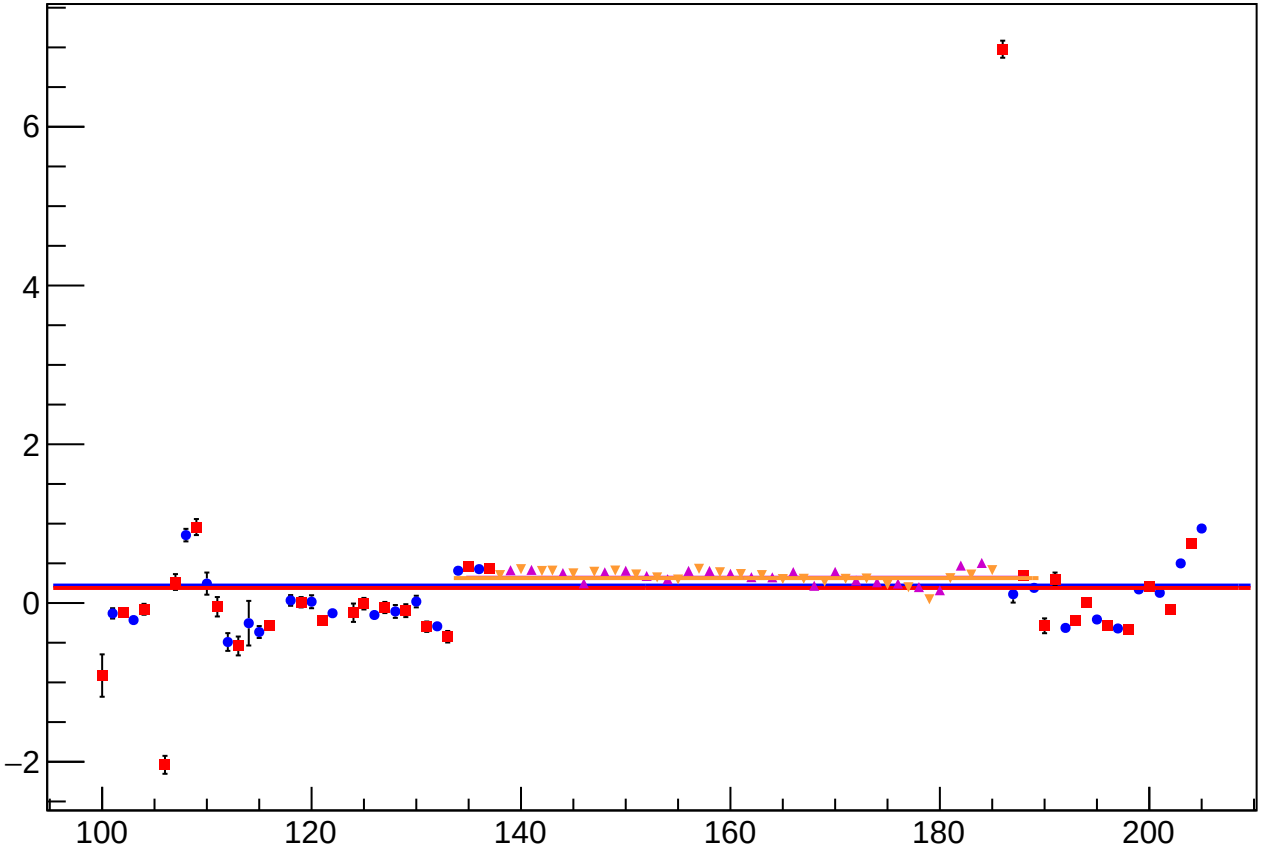
Right: -0.894+/-0.141 χ^2/NDF: 10442.3/54

In: 8.544+/-0.046 χ^2/NDF:12744.6/47

Out: 8.262+/-0.045 χ^2/NDF:14932.9/54

All: 8.401+/-0.032 χ^2/NDF: 27696.8/102

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.220+/-0.010 χ^2/NDF: 1133.3/24

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.190+/-0.010 χ^2/NDF: 5437.0/29

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

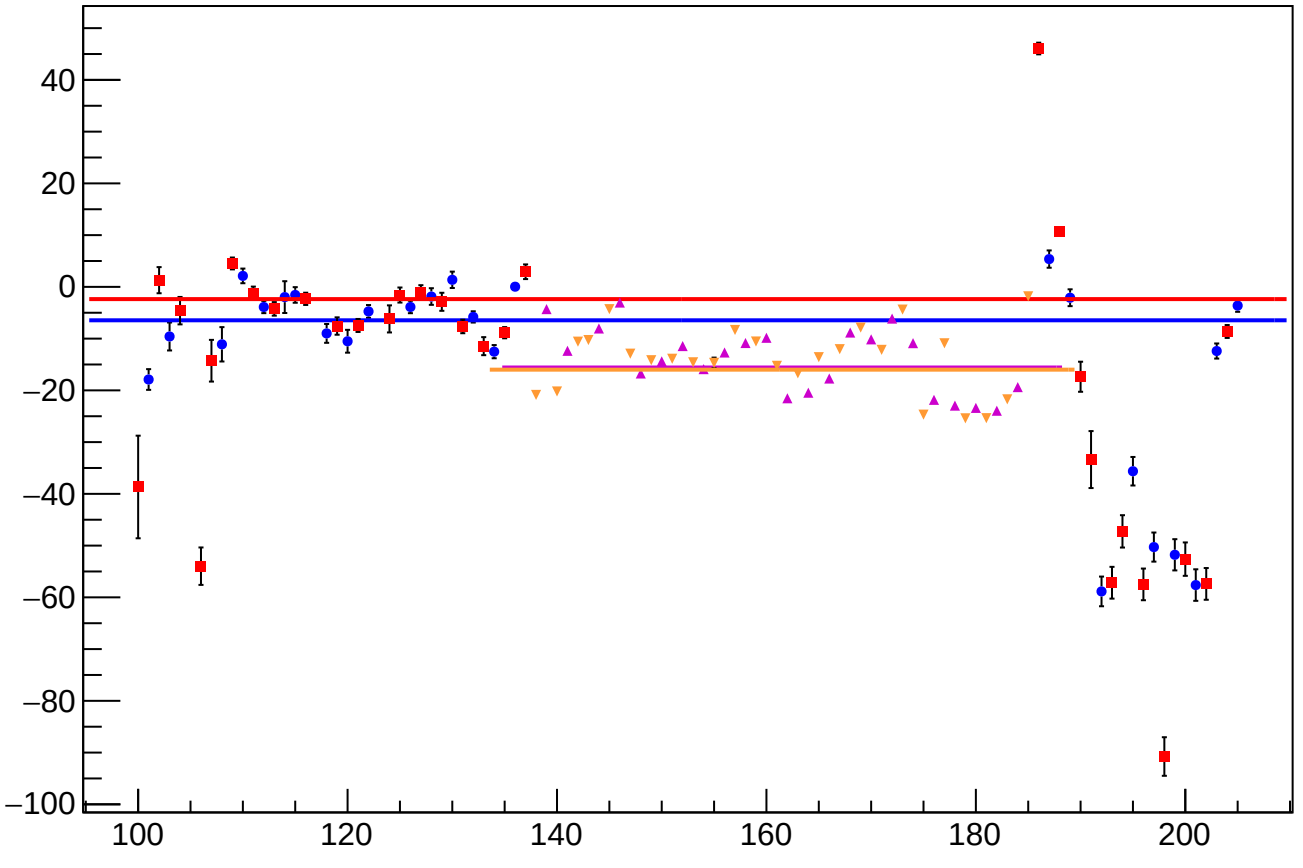
Left: 0.316+/-0.001 χ^2/NDF: 3392.4/47

Right: 0.206+/-0.007 χ^2/NDF: 6574.8/54

In: 0.314+/-0.002 χ^2/NDF:3021.8/47

Out: 0.309+/-0.002 χ^2/NDF:7174.8/54

All: 0.312+/-0.001 χ^2/NDF: 10199.4/102



Right In: -6.460+/-0.304 χ^2/NDF: 1518.0/24

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.363+/-0.298 χ^2/NDF: 4495.9/29

Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

Left: -15.797+/-0.071 χ^2/NDF: 10731.3/47

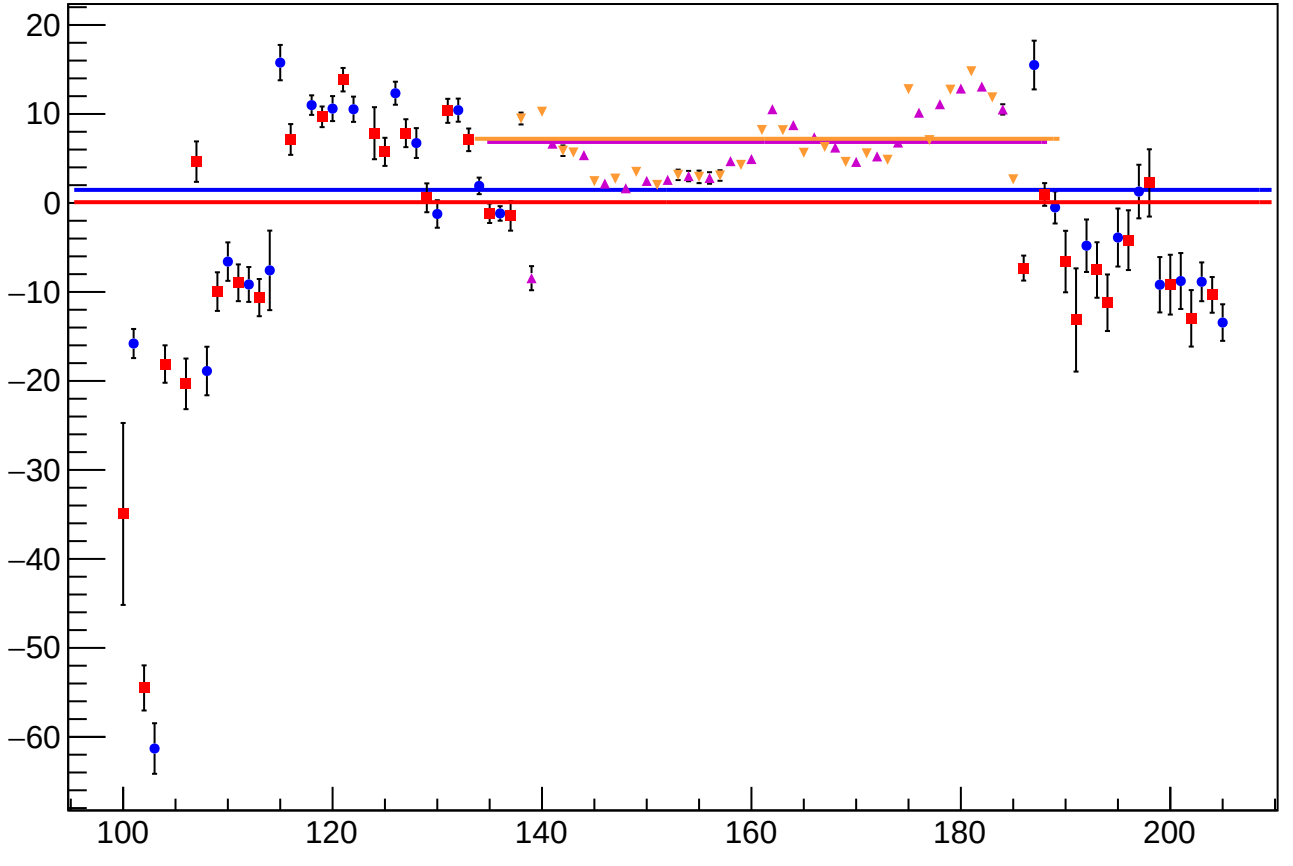
Right: -4.376+/-0.213 χ^2/NDF: 6106.5/54

In: -14.657+/-0.097 χ^2/NDF:7089.1/47

Out: -14.638+/-0.094 χ^2/NDF:12339.6/54

All: -14.647+/-0.067 χ^2/NDF: 19428.7/102

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.469+/-0.328 χ^2/NDF: 1186.6/24

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: 0.087+/-0.338 χ^2/NDF: 1110.4/29

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

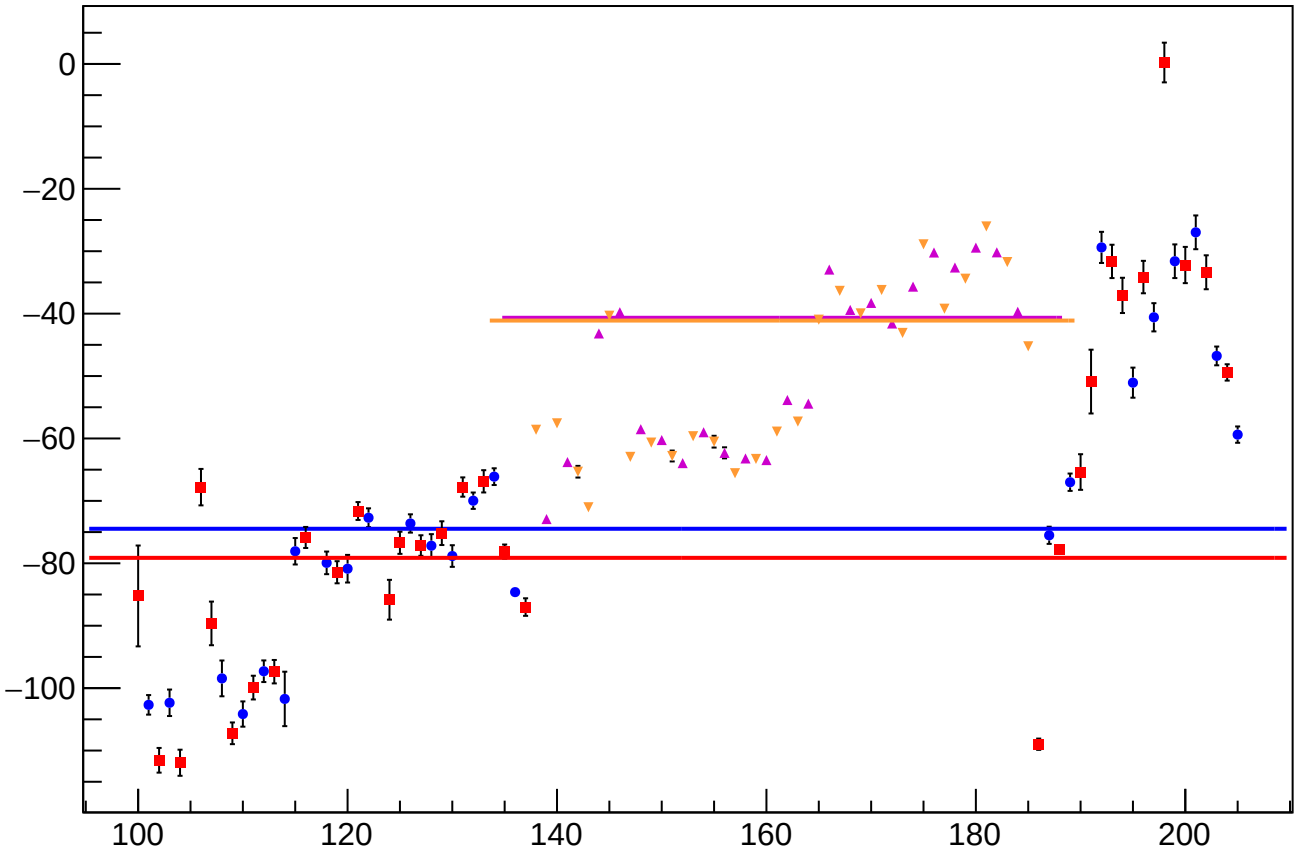
Left: 7.036+/-0.057 χ^2/NDF: 4622.1/47

Right: 0.798+/-0.236 χ^2/NDF: 2305.7/54

In: 6.547+/-0.079 χ^2/NDF:3596.5/47

Out: 6.834+/-0.078 χ^2/NDF:3986.5/54

All: 6.692+/-0.055 χ^2/NDF: 7589.8/102



Right In: -74.468+/-0.322 χ^2/NDF: 2988.2/24

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -79.127+/-0.310 χ^2/NDF: 4859.6/29

Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

Left: -40.893+/-0.071 χ^2/NDF: 29551.8/47

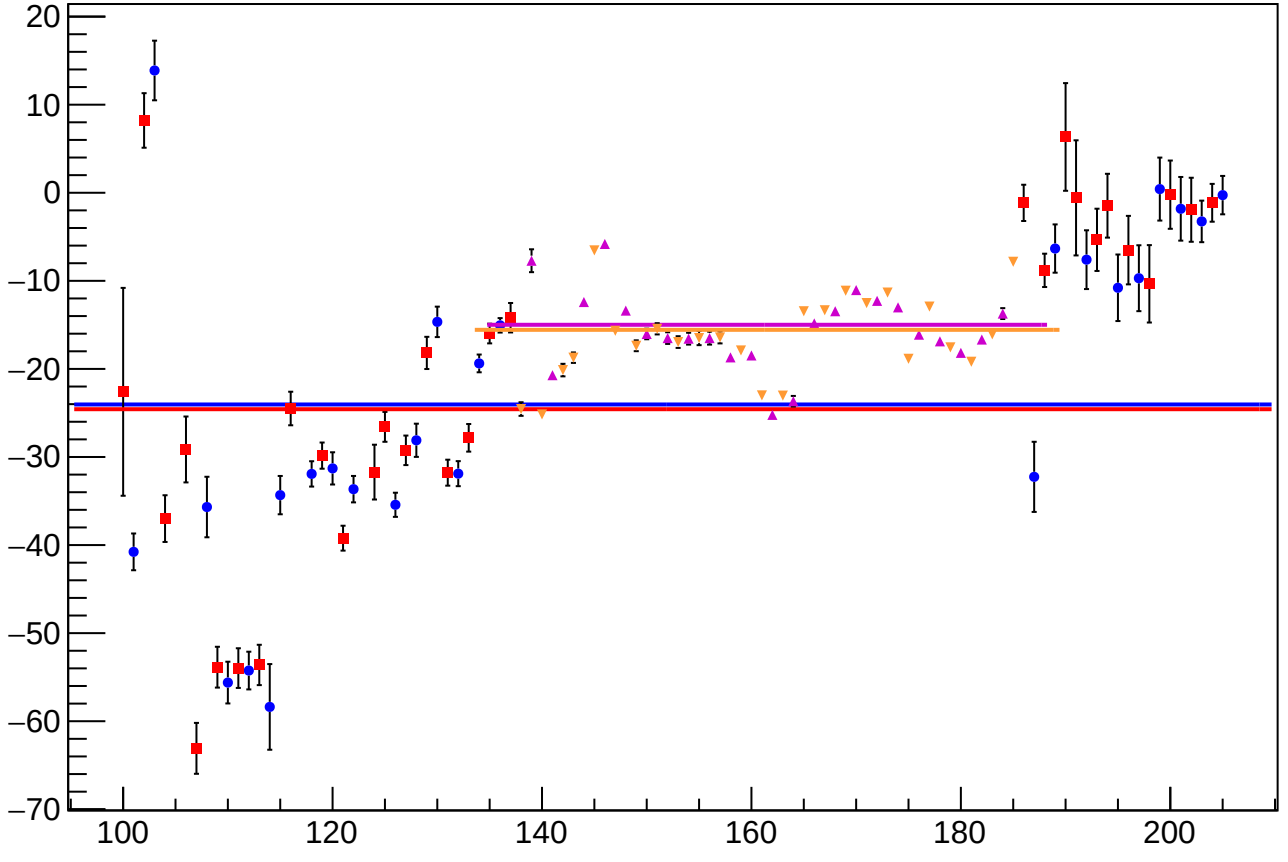
Right: -76.888+/-0.223 χ^2/NDF: 7956.6/54

In: -43.760+/-0.097 χ^2/NDF:26543.3/47

Out: -44.701+/-0.095 χ^2/NDF:34507.9/54

All: -44.242+/-0.068 χ^2/NDF: 61098.9/102

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -24.038+/-0.369 χ^2/NDF: 1390.5/24

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -24.575+/-0.390 χ^2/NDF: 1614.4/29

Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

Left: -15.281+/-0.063 χ^2/NDF: 4720.8/47

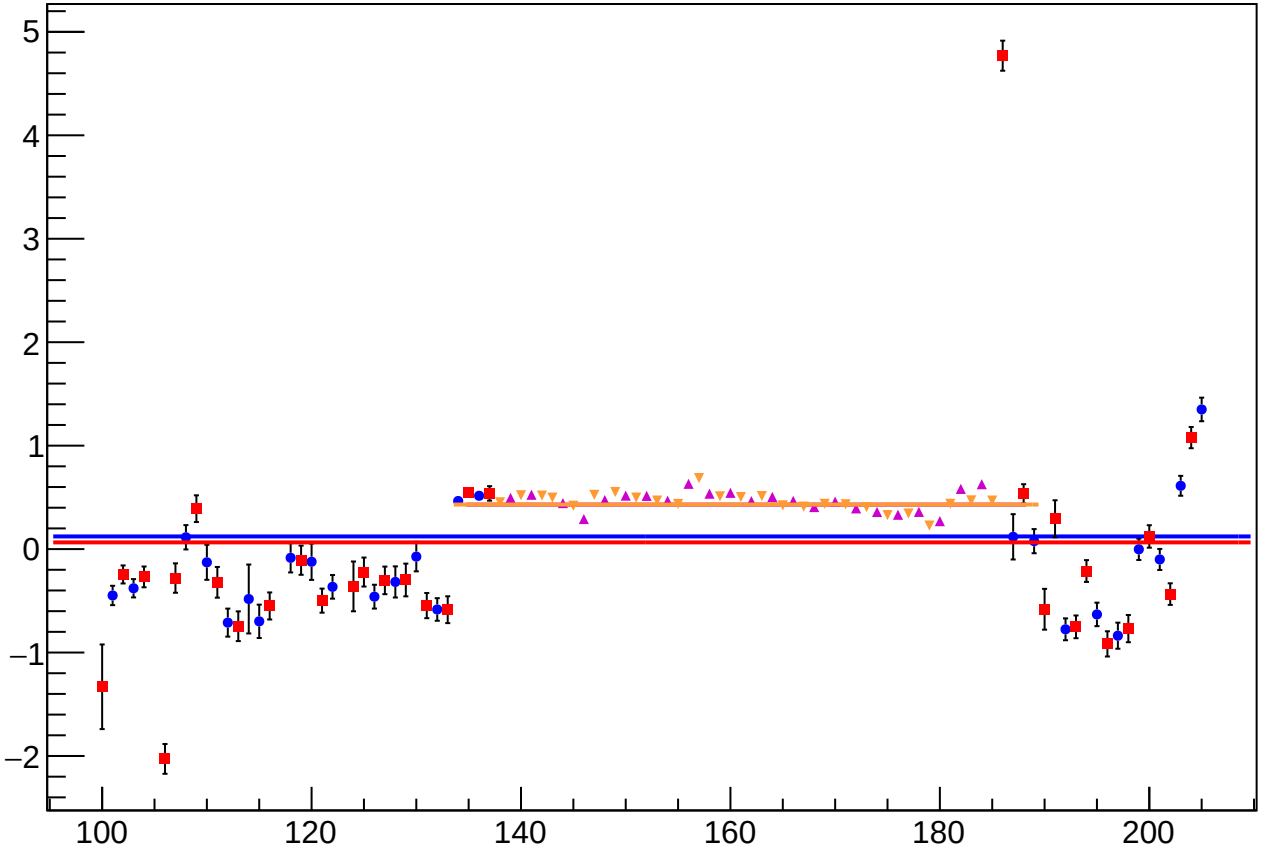
Right: -24.291+/-0.268 χ^2/NDF: 3005.9/54

In: -15.502+/-0.088 χ^2/NDF:4110.0/47

Out: -16.007+/-0.087 χ^2/NDF:4671.9/54

All: -15.758+/-0.062 χ^2/NDF: 8798.8/102

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.122+/-0.019 χ^2/NDF: 748.9/24

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.065+/-0.020 χ^2/NDF: 1954.9/29

Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

Left: 0.430+/-0.003 χ^2/NDF: 1002.0/47

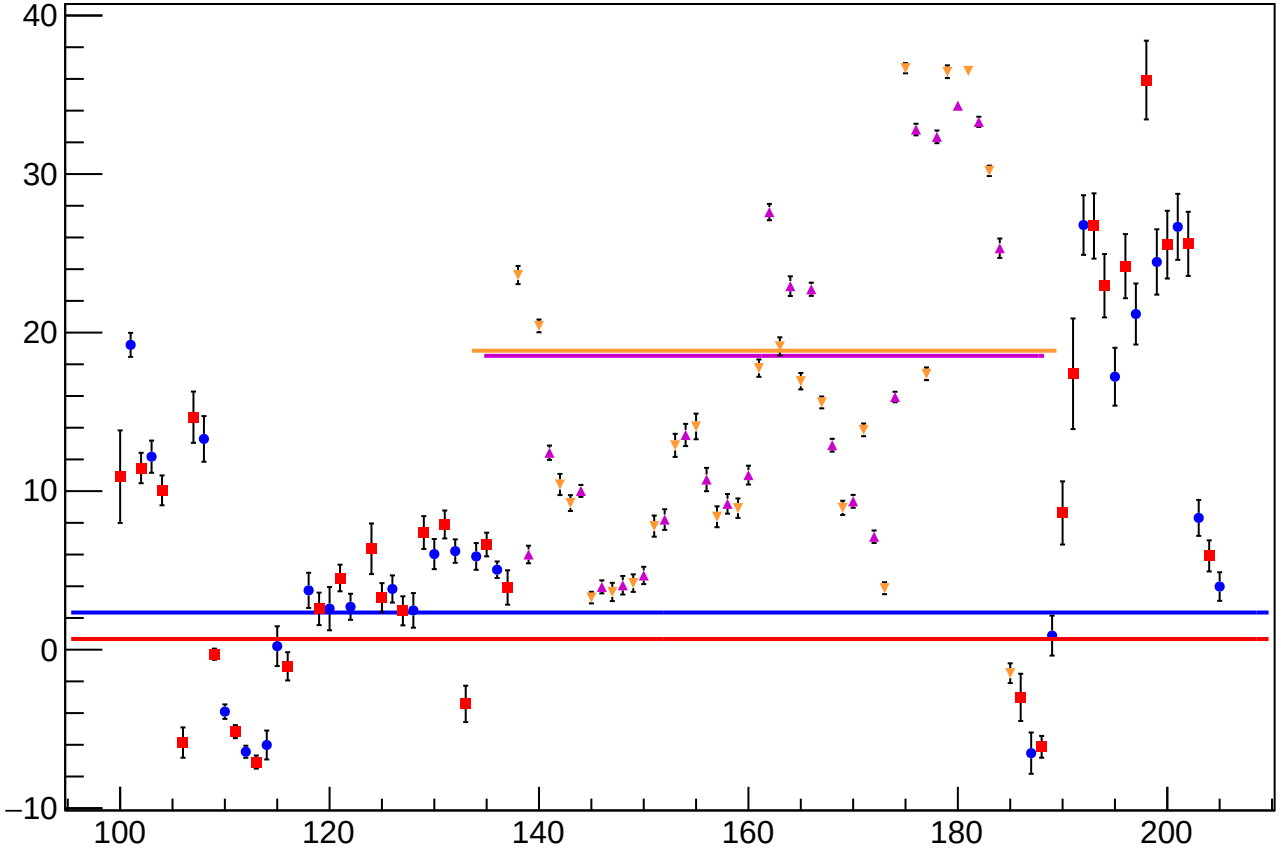
Right: 0.096+/-0.014 χ^2/NDF: 2708.2/54

In: 0.416+/-0.004 χ^2/NDF:1593.1/47

Out: 0.417+/-0.004 χ^2/NDF:2691.2/54

All: 0.417+/-0.003 χ^2/NDF: 4284.3/102

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.343+/-0.171 χ^2/NDF: 2209.4/24

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.673+/-0.156 χ^2/NDF: 2248.1/29

Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

Left: 18.701+/-0.065 χ^2/NDF: 32446.3/47

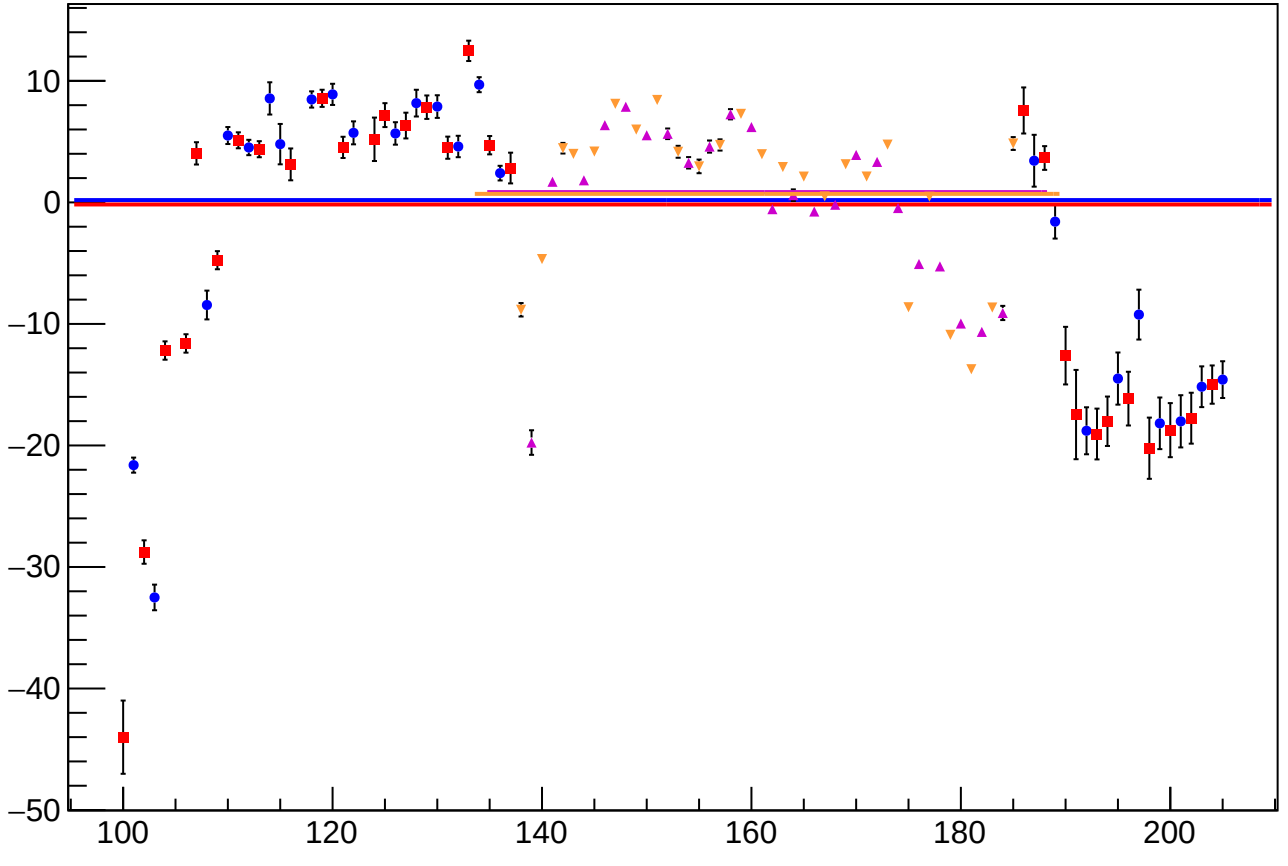
Right: 1.435+/-0.115 χ^2/NDF: 4509.6/54

In: 14.810+/-0.082 χ^2/NDF:23214.4/47

Out: 14.295+/-0.078 χ^2/NDF:30773.4/54

All: 14.541+/-0.057 χ^2/NDF: 54008.4/102

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.191+/-0.193 χ^2/NDF: 3613.2/24

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.170+/-0.190 χ^2/NDF: 2989.6/29

Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

Left: 0.773+/-0.051 χ^2/NDF: 14285.2/47

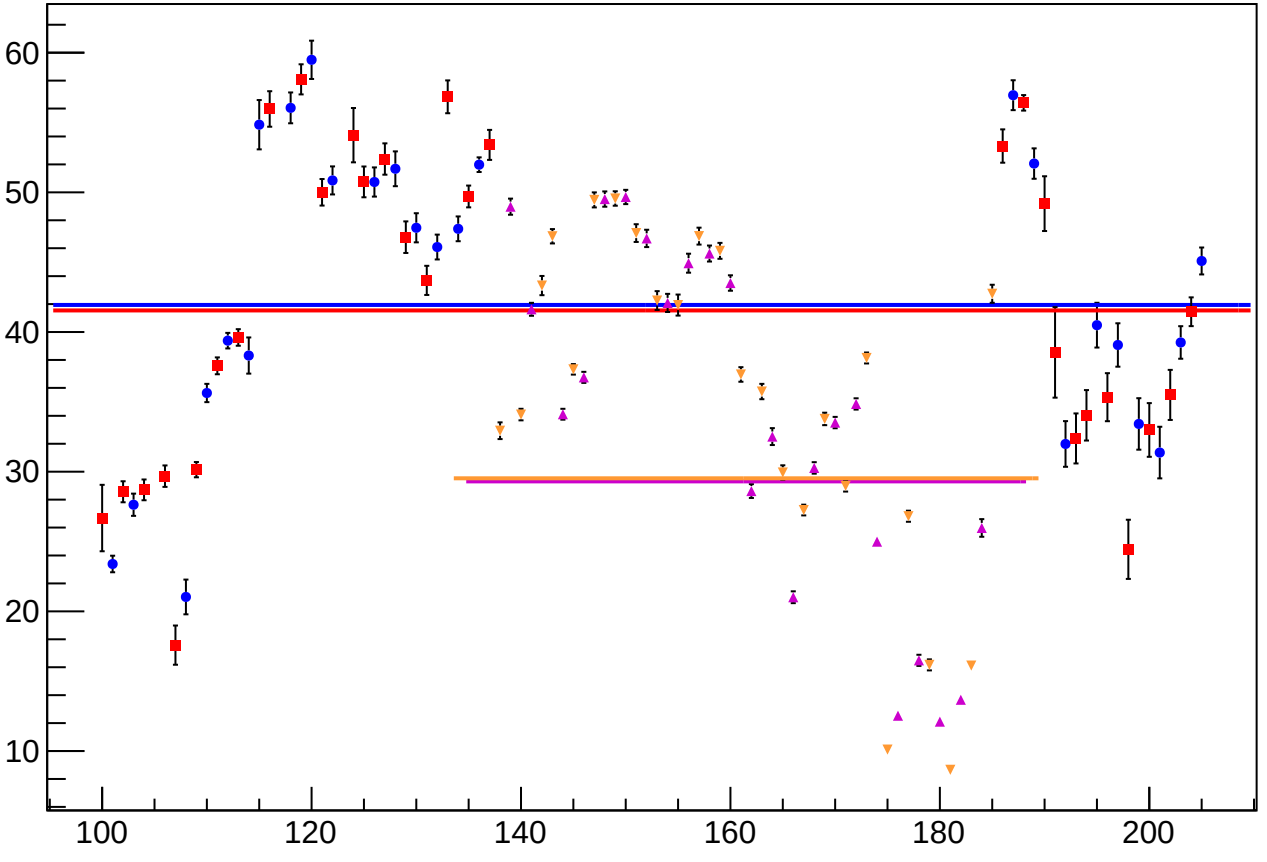
Right: 0.007+/-0.135 χ^2/NDF: 6604.6/54

In: 0.766+/-0.068 χ^2/NDF:9668.7/47

Out: 0.596+/-0.066 χ^2/NDF:11245.9/54

All: 0.679+/-0.047 χ^2/NDF: 20917.9/102

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 41.939+/-0.190 χ^2/NDF: 3147.1/24

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.545+/-0.179 χ^2/NDF: 3711.3/29

Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

Left: 29.419+/-0.065 χ^2/NDF: 38956.9/47

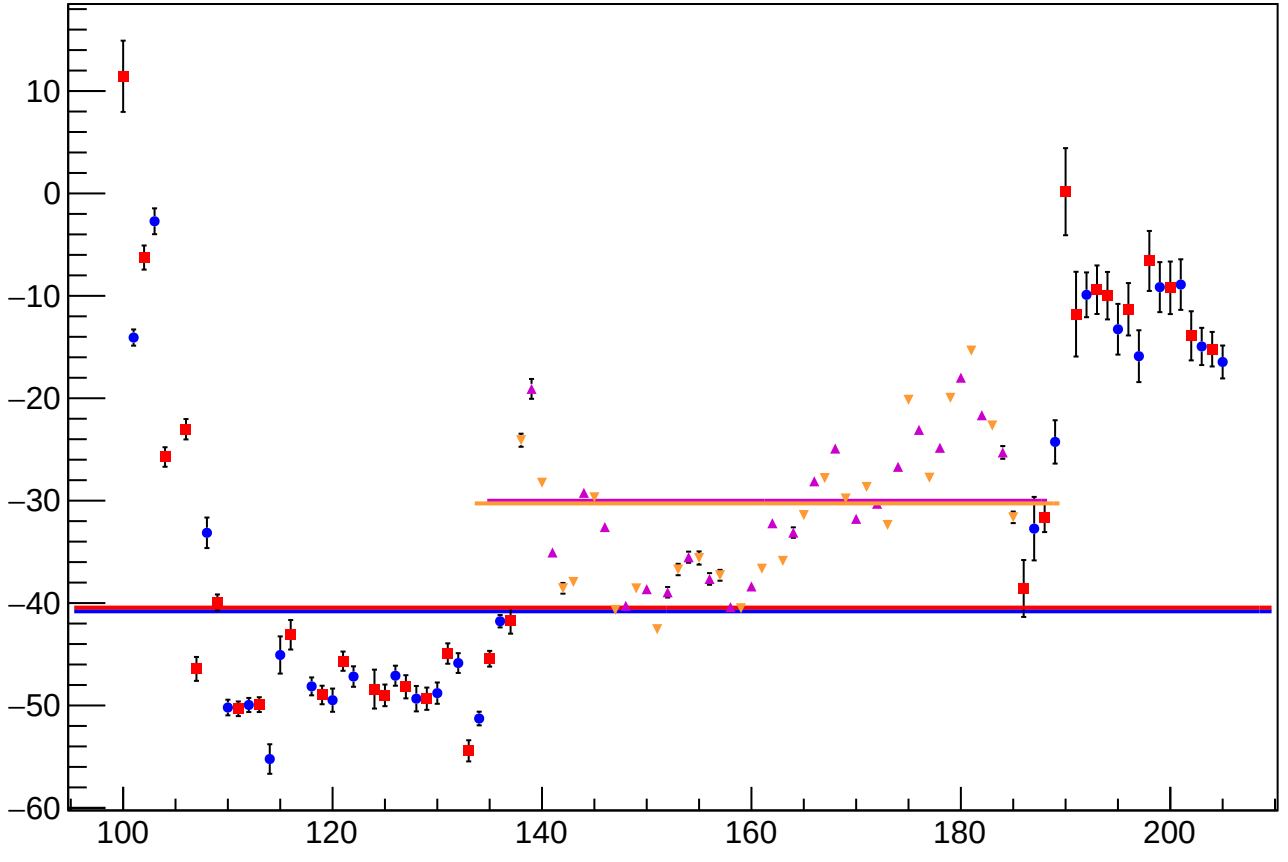
Right: 41.730+/-0.130 χ^2/NDF: 6860.7/54

In: 31.761+/-0.084 χ^2/NDF:24596.0/47

Out: 31.982+/-0.081 χ^2/NDF:28392.2/54

All: 31.875+/-0.058 χ^2/NDF: 52991.9/102

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -40.804+/-0.219 χ^2/NDF: 4357.4/24

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.443+/-0.218 χ^2/NDF: 3845.2/29

Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

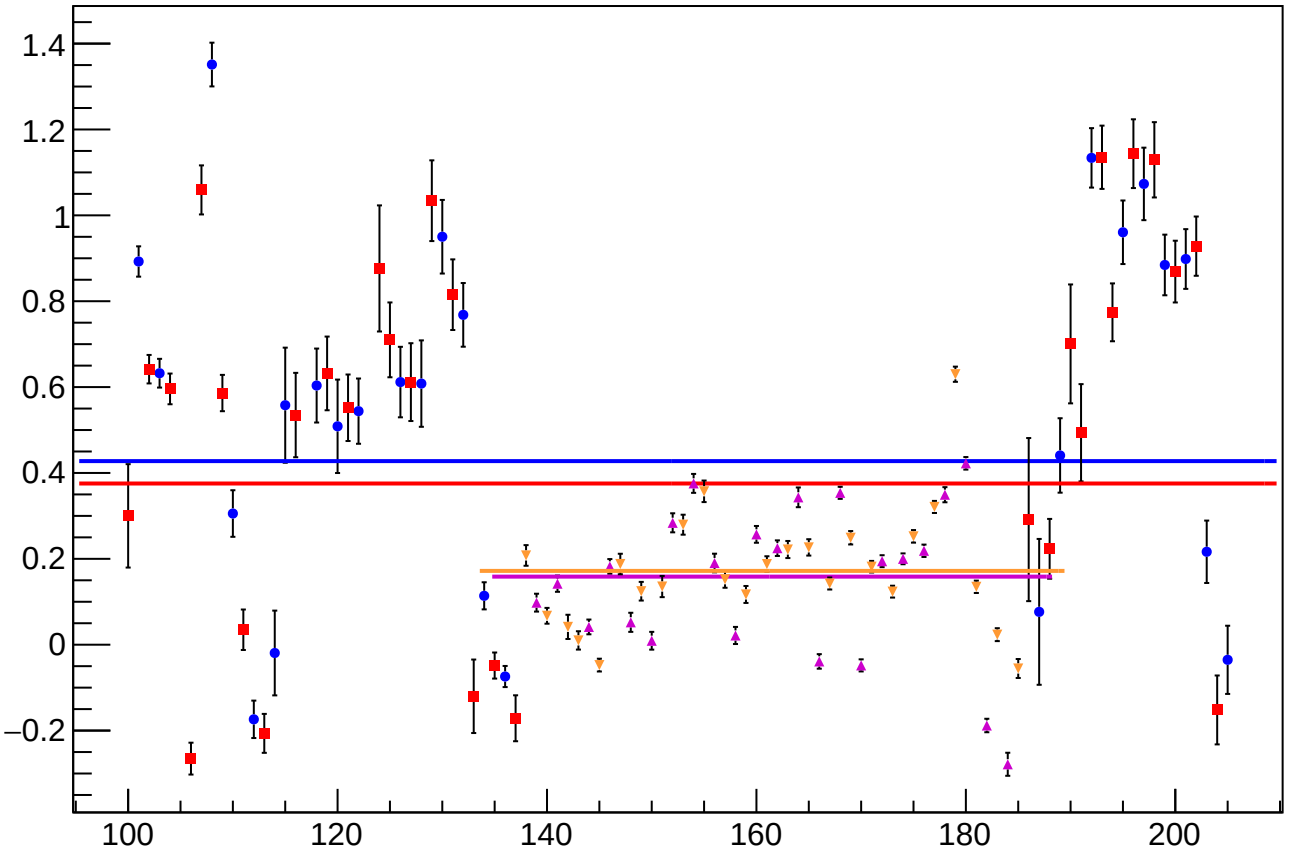
Left: -30.143+/-0.057 χ^2/NDF: 14588.2/47

Right: -40.623+/-0.154 χ^2/NDF: 8204.0/54

In: -31.322+/-0.076 χ^2/NDF:12578.6/47

Out: -31.459+/-0.074 χ^2/NDF:14273.9/54

All: -31.392+/-0.053 χ^2/NDF: 26854.2/102



Right In: 0.428+/-0.011 χ^2/NDF: 1693.5/24

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.375+/-0.011 χ^2/NDF: 1719.8/29

Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

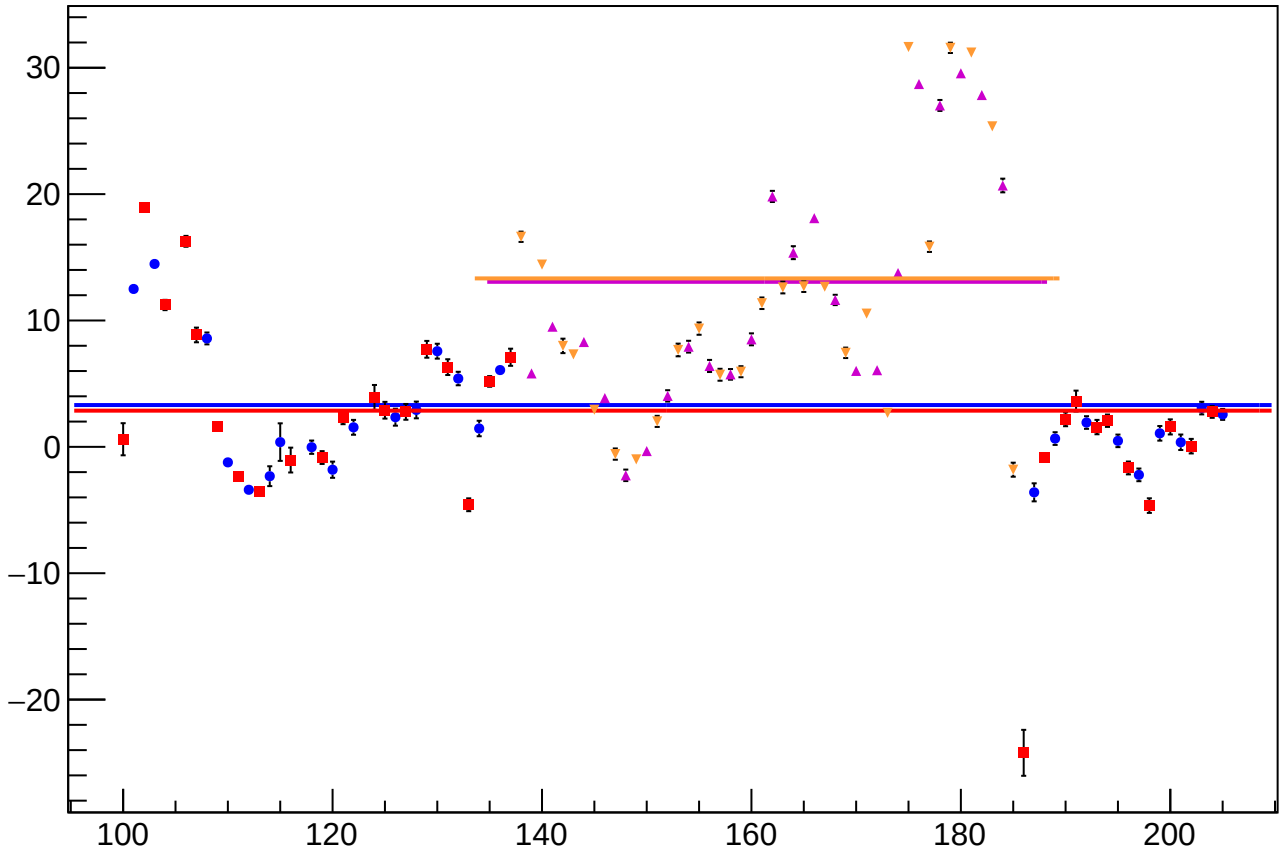
Left: 0.165+/-0.003 χ^2/NDF: 3695.7/47

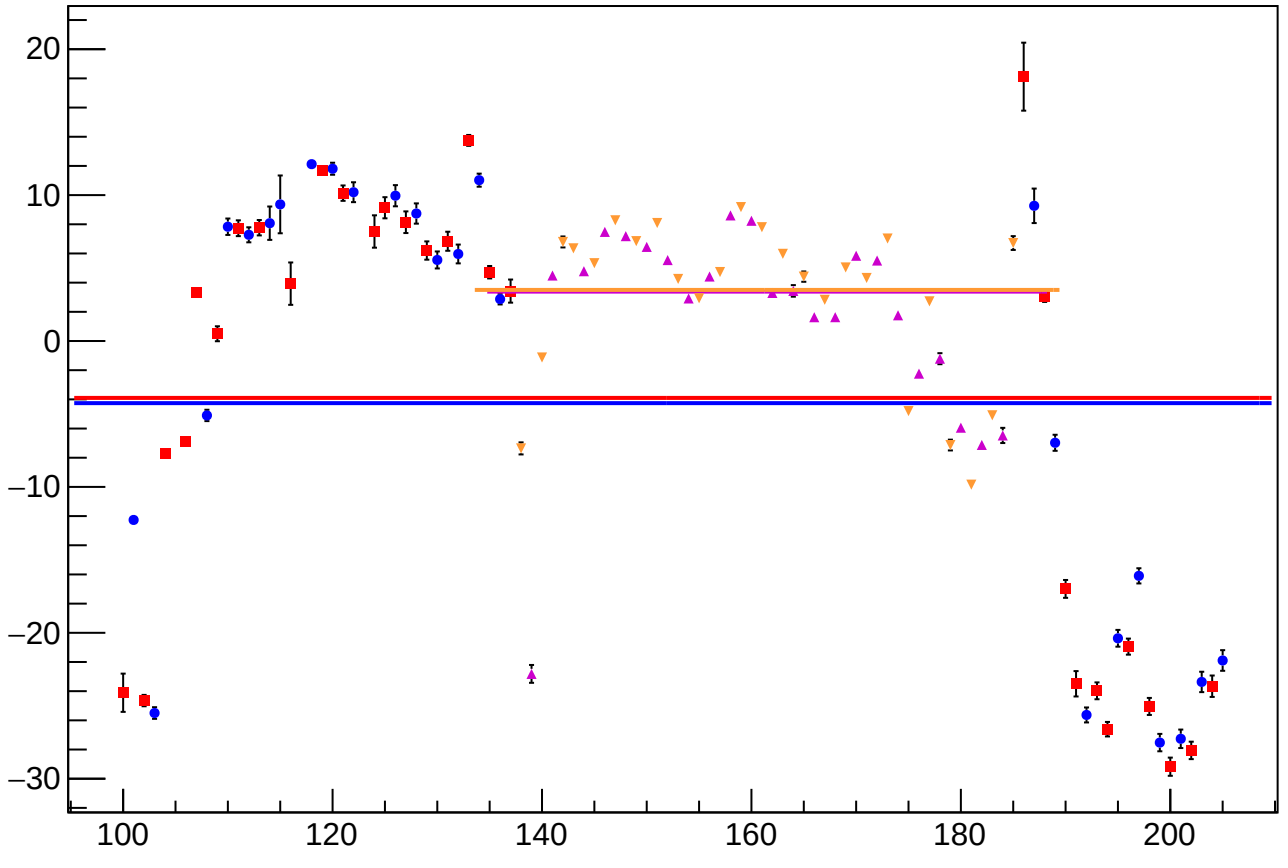
Right: 0.401+/-0.008 χ^2/NDF: 3424.5/54

In: 0.185+/-0.003 χ^2/NDF:4414.8/47

Out: 0.192+/-0.003 χ^2/NDF:3537.0/54

All: 0.188+/-0.002 χ^2/NDF: 7953.7/102


reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug, Sign Corrected
30
20
10
0
−10
−20
100
120
140
160
180
200
Right In: 3.308+/-0.097 χ²/NDF: 3038.7/24
Left Out: 13.331+/-0.077 χ²/NDF:19432.7/24
Right Out: 2.865+/-0.088 χ²/NDF: 5106.1/29
Left In: 13.061+/-0.079 χ²/NDF:15559.8/22
Left: 13.200+/-0.055 χ²/NDF: 34998.5/47
Right: 3.065+/-0.065 χ²/NDF: 8156.2/54
In: 9.159+/-0.061 χ²/NDF:24647.8/47
Out: 8.818+/-0.058 χ²/NDF:32552.3/54
All: 8.978+/-0.042 χ²/NDF: 57216.4/102



Right In: -4.258+/-0.101 χ^2/NDF: 19697.4/24

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -3.900+/-0.094 χ^2/NDF: 22694.5/29

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

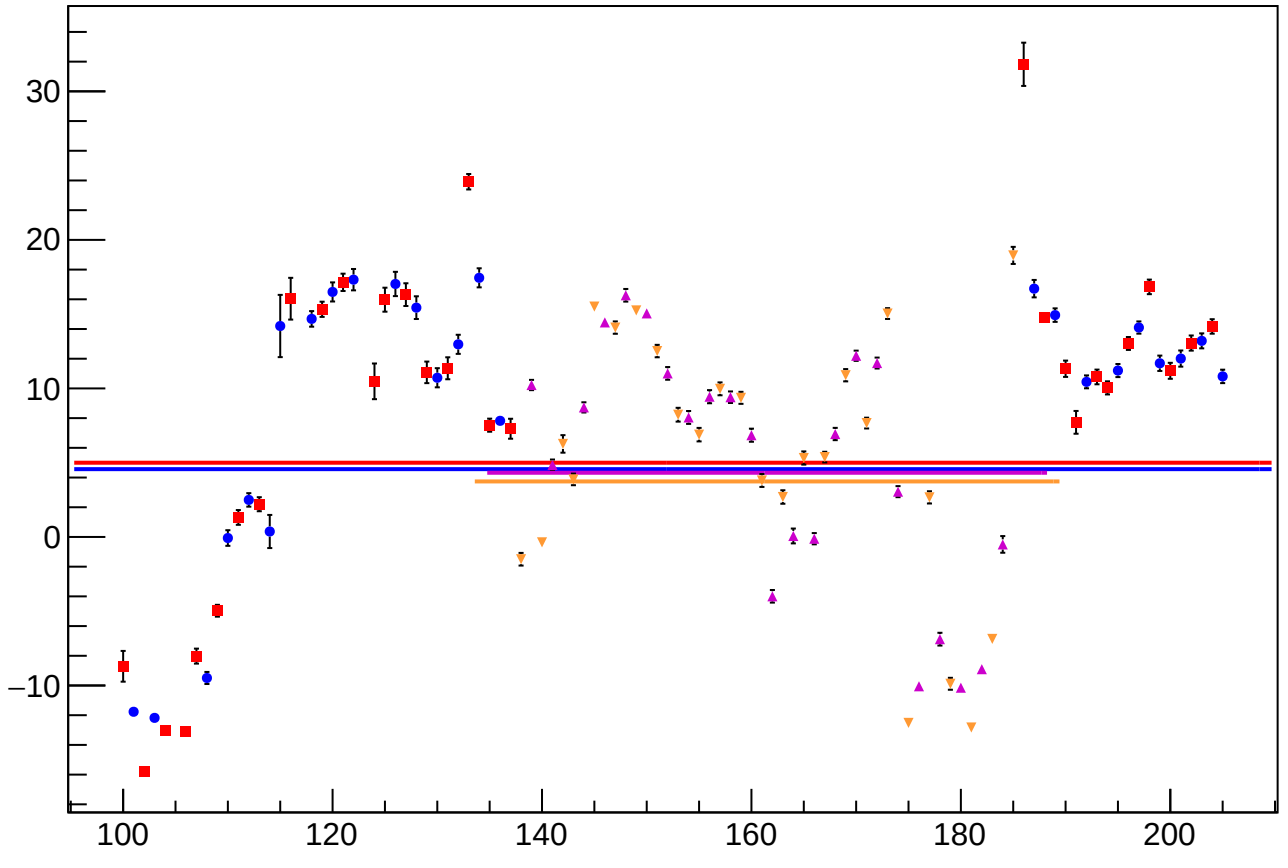
Left: 3.446+/-0.042 χ^2/NDF: 14621.2/47

Right: -4.067+/-0.069 χ^2/NDF: 42398.6/54

In: 1.338+/-0.052 χ^2/NDF:30609.2/47

Out: 1.438+/-0.050 χ^2/NDF:35061.0/54

All: 1.391+/-0.036 χ^2/NDF: 65672.1/102



Right In: 4.565+/-0.095 χ^2/NDF: 13516.2/24

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

Right Out: 4.998+/-0.086 χ^2/NDF: 19912.8/29

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

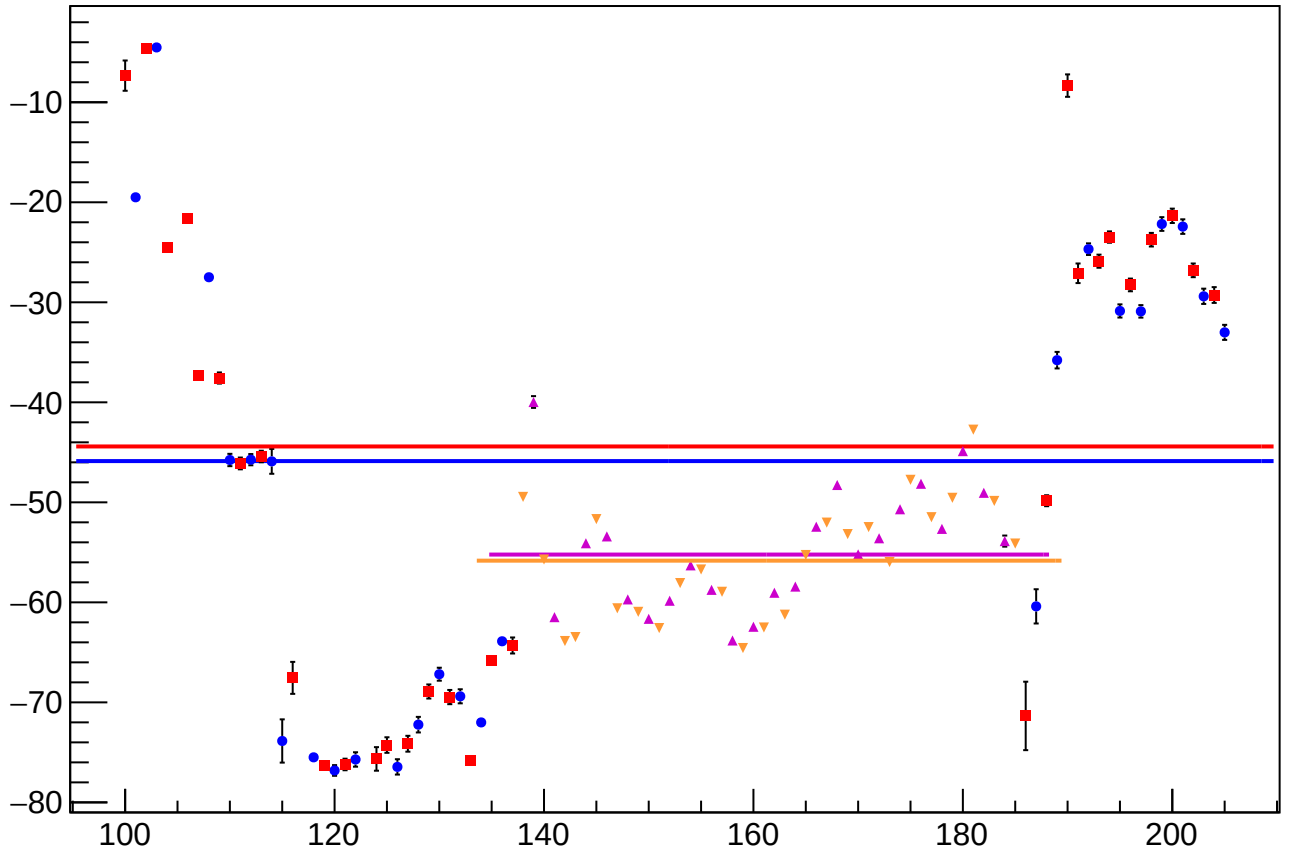
Left: 4.022+/-0.055 χ^2/NDF: 28098.5/47

Right: 4.803+/-0.064 χ^2/NDF: 33440.3/54

In: 4.421+/-0.061 χ^2/NDF:26003.4/47

Out: 4.291+/-0.057 χ^2/NDF:35618.9/54

All: 4.352+/-0.042 χ^2/NDF: 61624.7/102



Right In: -45.876+/-0.118 χ^2/NDF: 40967.0/24

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.414+/-0.112 χ^2/NDF: 43013.7/29

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

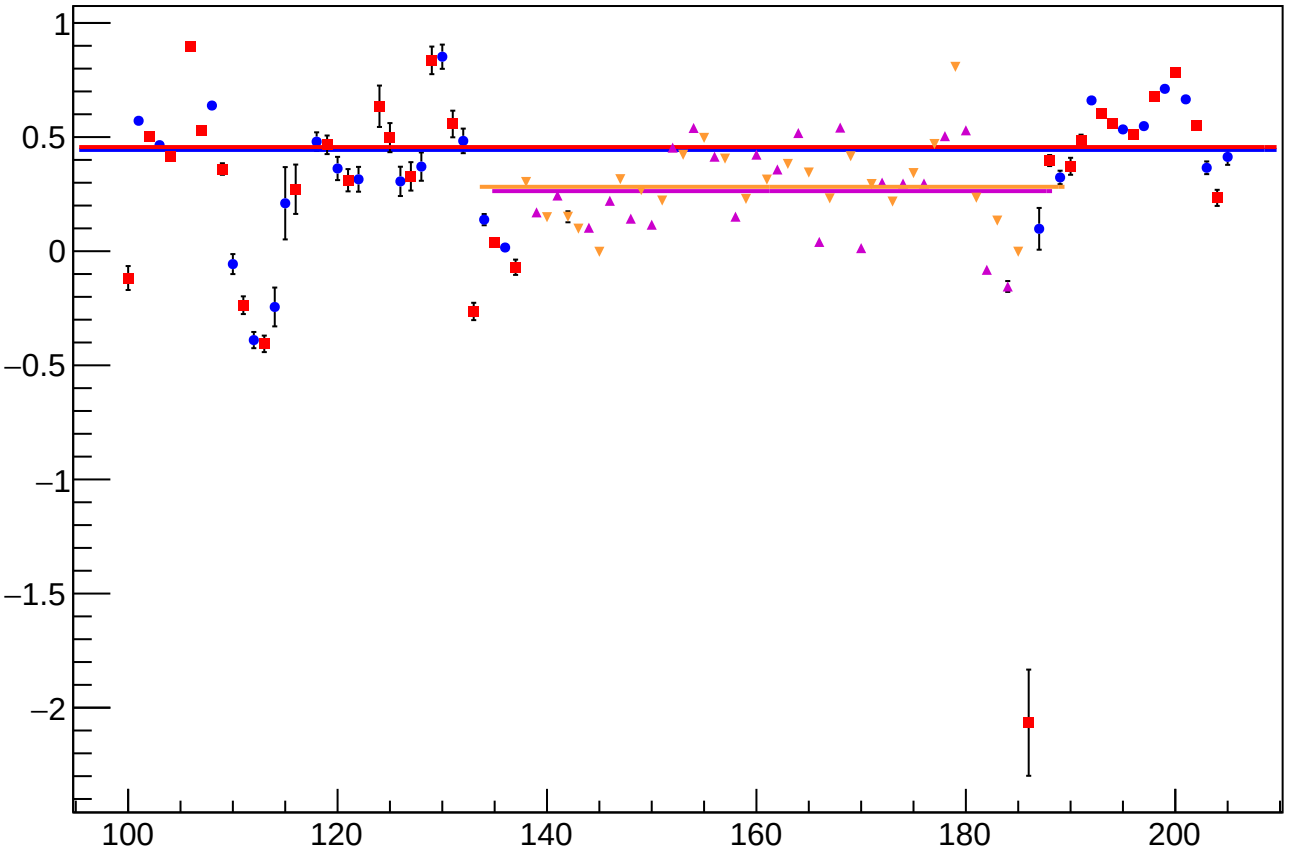
Left: -55.538+/-0.048 χ^2/NDF: 13976.2/47

Right: -45.105+/-0.081 χ^2/NDF: 84061.2/54

In: -52.866+/-0.059 χ^2/NDF:51974.1/47

Out: -52.870+/-0.057 χ^2/NDF:58290.6/54

All: -52.868+/-0.041 χ^2/NDF: 110264.7/102



Right In: 0.444+/-0.005 χ^2/NDF: 2556.1/24

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.456+/-0.005 χ^2/NDF: 3627.7/29

Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

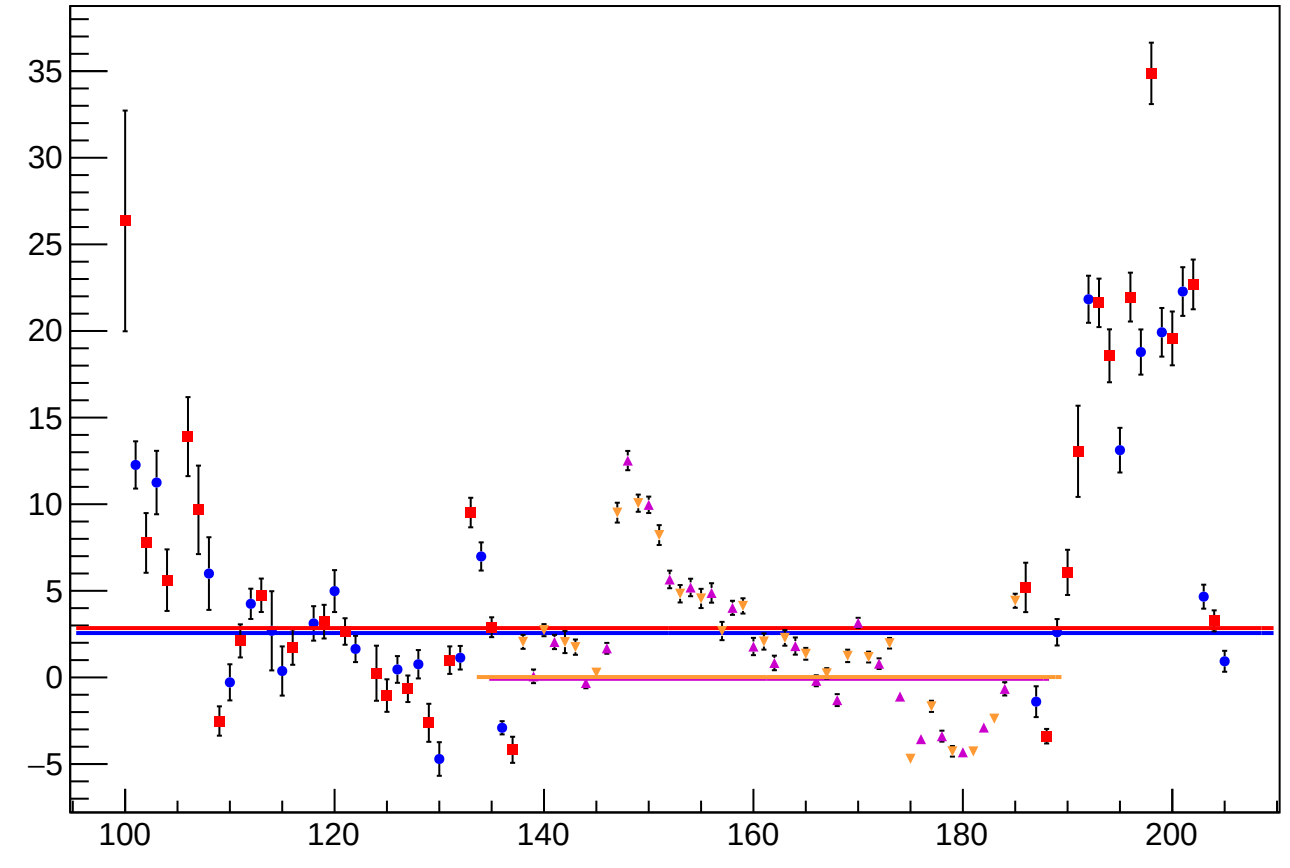
Left: 0.273+/-0.002 χ^2/NDF: 6568.0/47

Right: 0.450+/-0.003 χ^2/NDF: 6187.3/54

In: 0.313+/-0.003 χ^2/NDF:7363.8/47

Out: 0.334+/-0.002 χ^2/NDF:7352.8/54

All: 0.324+/-0.002 χ^2/NDF: 14750.7/102



Right In: 2.562+/-0.175 χ^2/NDF: 1211.6/24

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.848+/-0.176 χ^2/NDF: 1668.0/29

Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

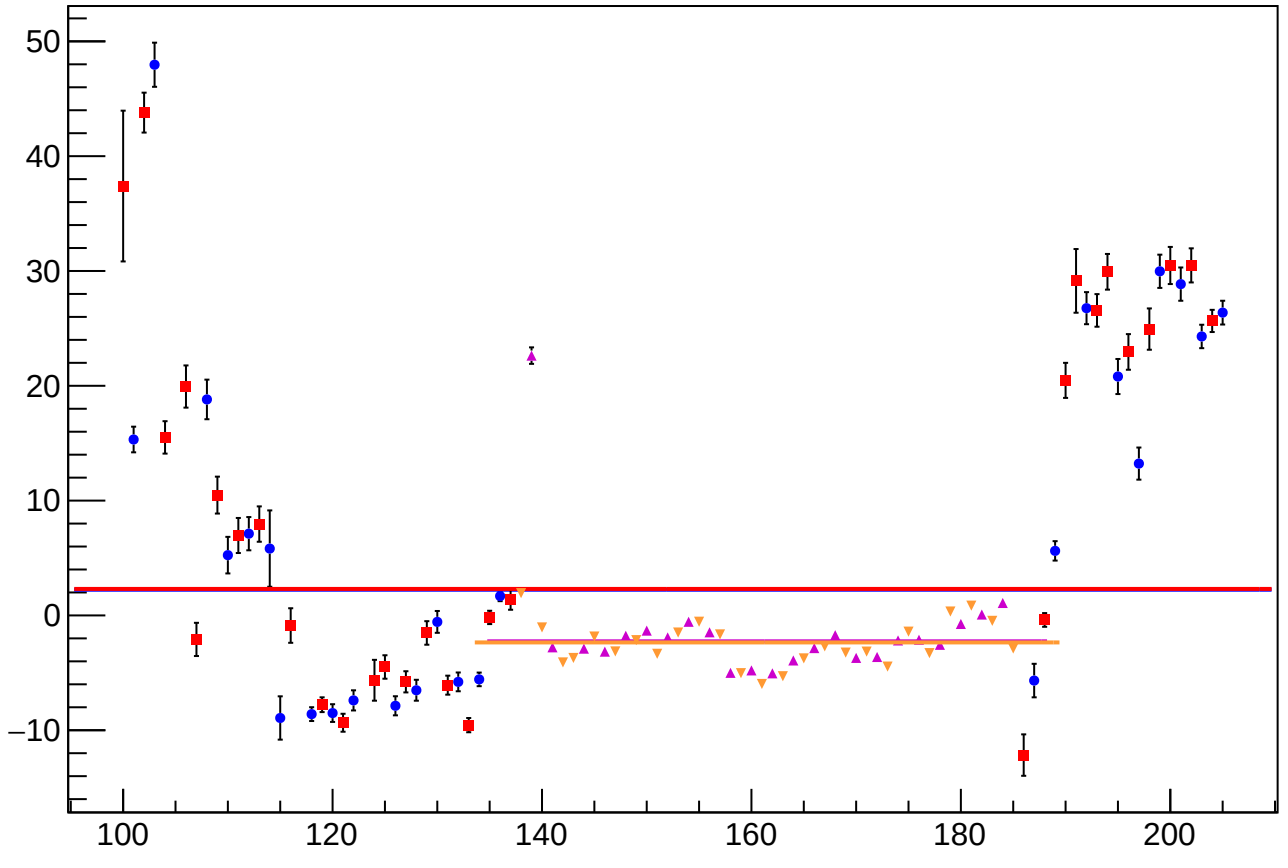
Left: -0.027+/-0.049 χ^2/NDF: 5224.9/47

Right: 2.704+/-0.124 χ^2/NDF: 2880.9/54

In: 0.291+/-0.066 χ^2/NDF:3872.3/47

Out: 0.396+/-0.064 χ^2/NDF:4652.1/54

All: 0.345+/-0.046 χ^2/NDF: 8525.7/102



Right In: 2.240+/-0.190 χ^2/NDF: 4284.6/24

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 2.308+/-0.195 χ^2/NDF: 4460.3/29

Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

Left: -2.306+/-0.039 χ^2/NDF: 3004.4/47

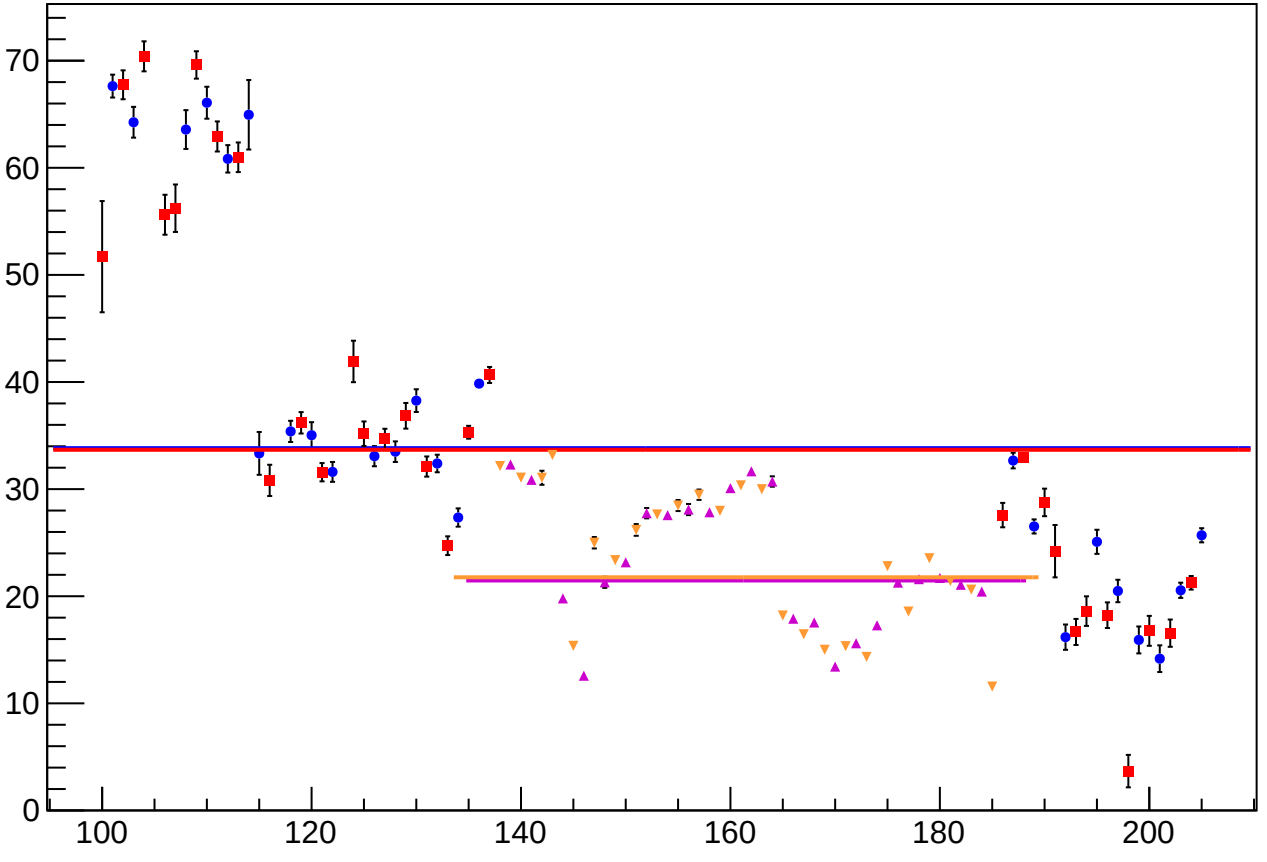
Right: 2.273+/-0.136 χ^2/NDF: 8744.9/54

In: -1.892+/-0.054 χ^2/NDF:6677.3/47

Out: -2.008+/-0.053 χ^2/NDF:6114.8/54

All: -1.951+/-0.038 χ^2/NDF: 12794.4/102

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 33.824+/-0.180 χ^2/NDF: 4580.7/24

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.674+/-0.176 χ^2/NDF: 5084.9/29

Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

Left: 21.623+/-0.049 χ^2/NDF: 12610.6/47

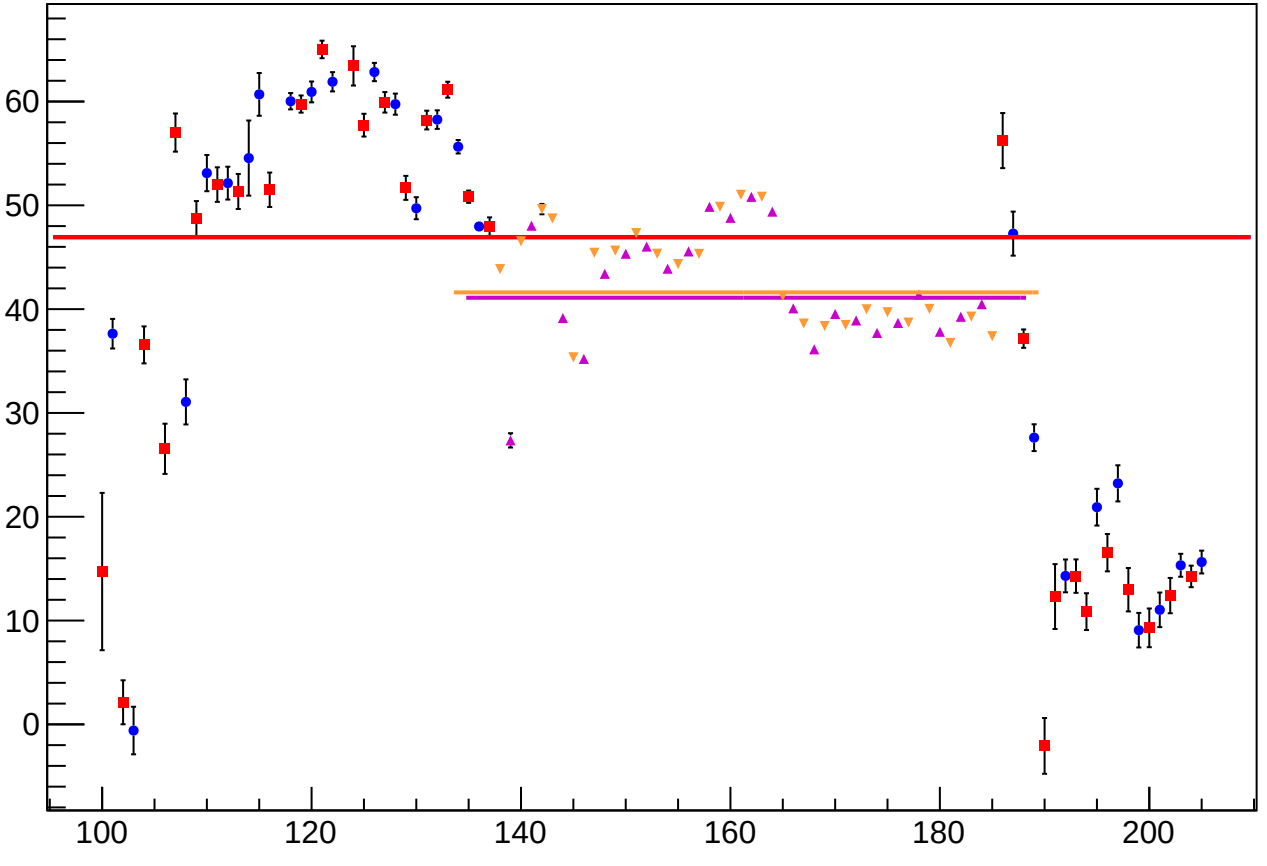
Right: 33.748+/-0.126 χ^2/NDF: 9666.0/54

In: 23.117+/-0.066 χ^2/NDF:14443.5/47

Out: 23.344+/-0.064 χ^2/NDF:15854.9/54

All: 23.233+/-0.046 χ^2/NDF: 30304.5/102

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 46.916+/-0.214 χ^2/NDF: 5830.4/24

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

Right Out: 46.954+/-0.225 χ^2/NDF: 6009.2/29

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

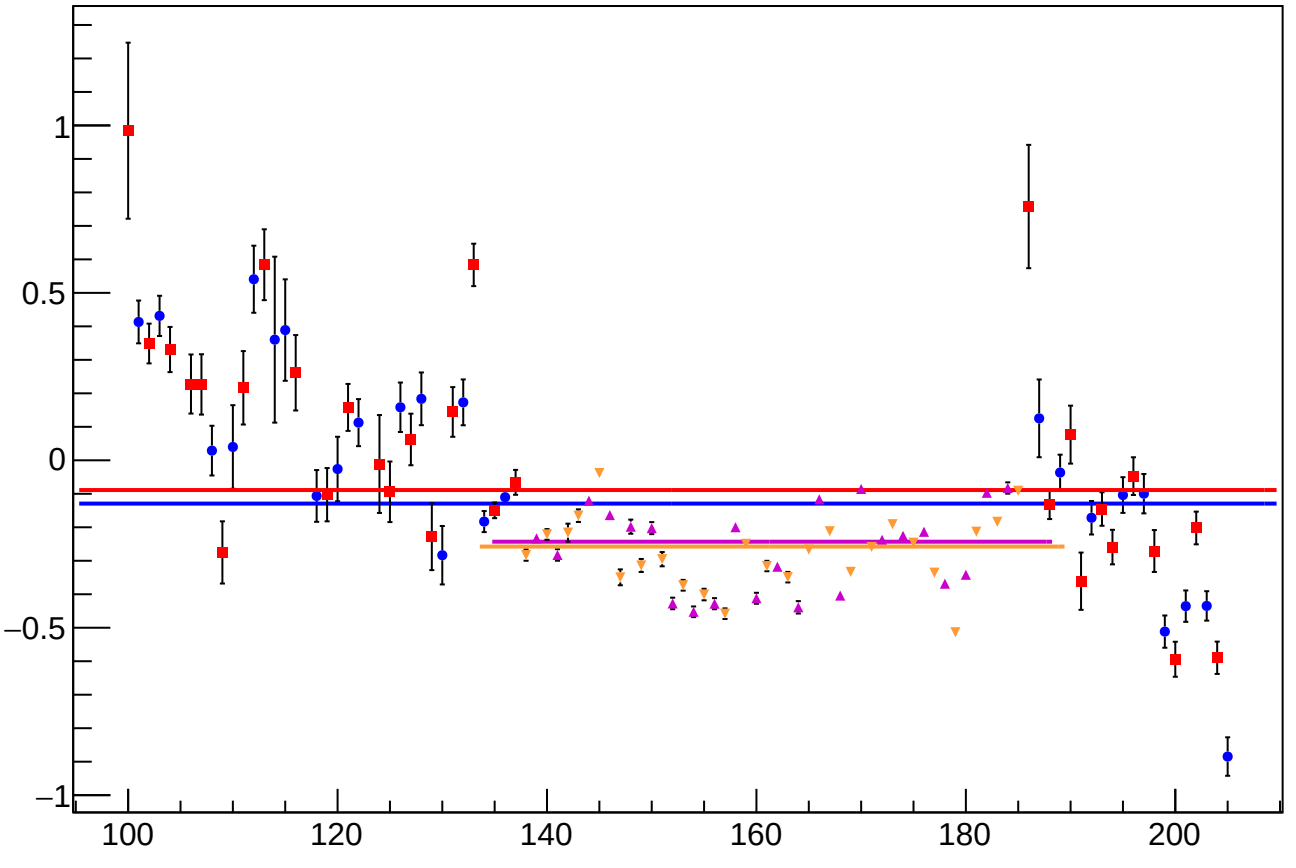
Left: 41.361+/-0.044 χ^2/NDF: 11288.6/47

Right: 46.934+/-0.155 χ^2/NDF: 11839.6/54

In: 41.555+/-0.060 χ^2/NDF:11986.5/47

Out: 41.981+/-0.059 χ^2/NDF:12308.6/54

All: 41.772+/-0.042 χ^2/NDF: 24320.6/102



Right In: -0.129+/-0.010 χ^2/NDF: 632.7/24

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.089+/-0.011 χ^2/NDF: 608.6/29

Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

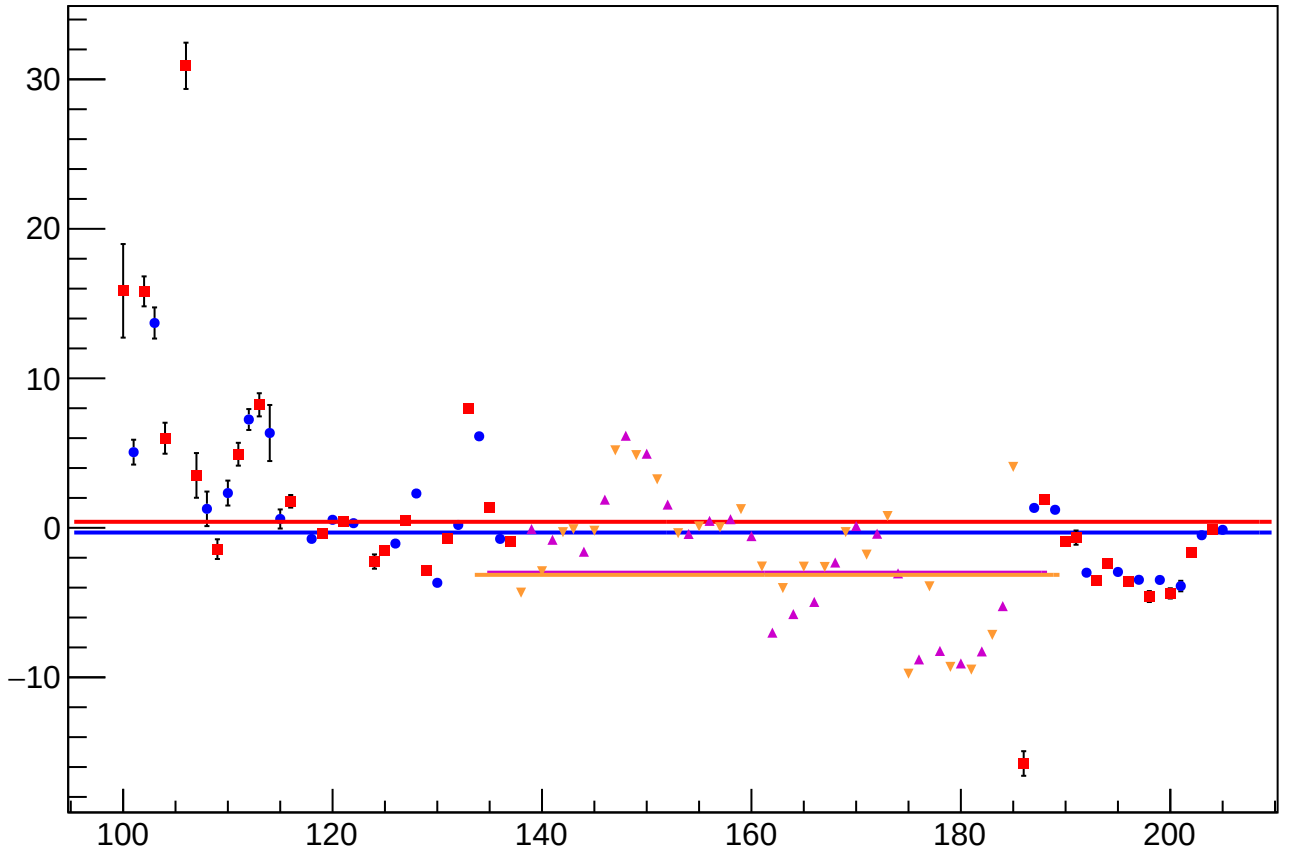
Left: -0.250+/-0.002 χ^2/NDF: 3340.9/47

Right: -0.110+/-0.008 χ^2/NDF: 1248.4/54

In: -0.235+/-0.003 χ^2/NDF:2556.6/47

Out: -0.248+/-0.003 χ^2/NDF:2346.8/54

All: -0.242+/-0.002 χ^2/NDF: 4914.2/102



Right In: -0.315+/-0.056 χ^2/NDF: 1744.6/24

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.403+/-0.053 χ^2/NDF: 4078.2/29

Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

Left: -3.074+/-0.020 χ^2/NDF: 47797.0/47

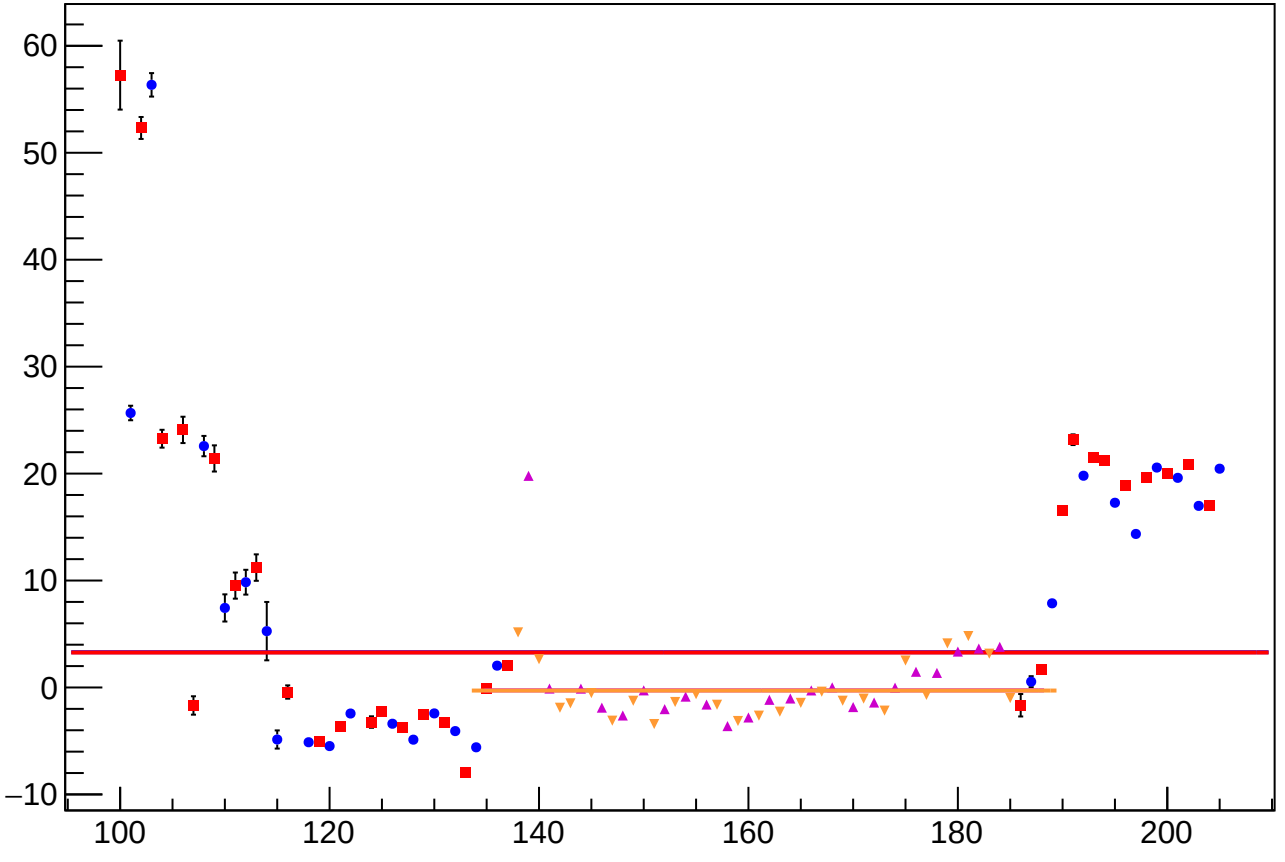
Right: 0.062+/-0.039 χ^2/NDF: 5908.4/54

In: -2.451+/-0.025 χ^2/NDF:25987.9/47

Out: -2.393+/-0.025 χ^2/NDF:32903.0/54

All: -2.421+/-0.018 χ^2/NDF: 58893.6/102

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 3.296+/-0.058 χ^2/NDF: 32143.6/24

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 3.270+/-0.056 χ^2/NDF: 39606.8/29

Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

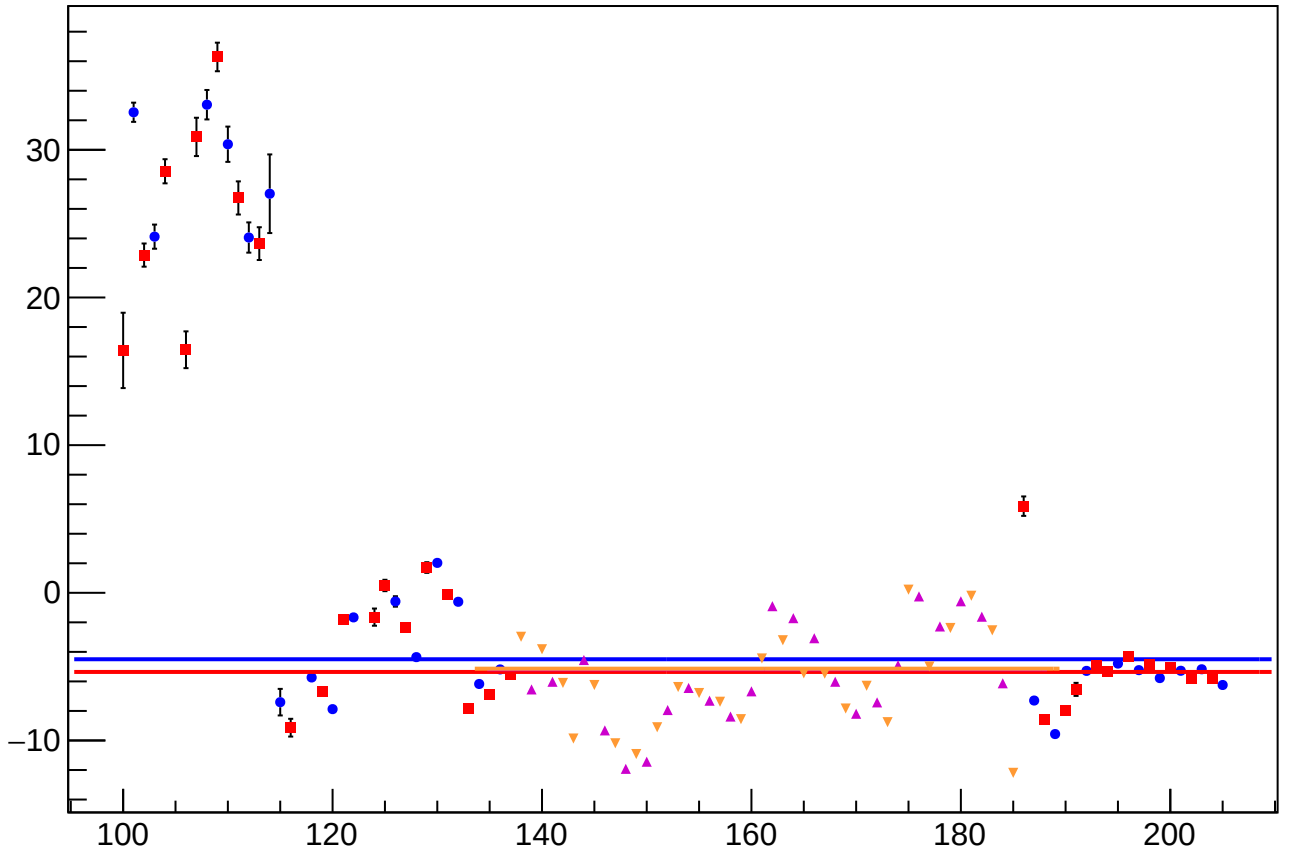
Left: -0.280+/-0.016 χ^2/NDF: 25419.3/47

Right: 3.282+/-0.040 χ^2/NDF: 71750.5/54

In: 0.184+/-0.021 χ^2/NDF:48627.7/47

Out: 0.181+/-0.020 χ^2/NDF:55308.7/54

All: 0.182+/-0.015 χ^2/NDF: 103936.4/102



Right In: -4.499+/-0.056 χ^2/NDF: 9513.9/24

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.359+/-0.051 χ^2/NDF: 10491.6/29

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

Left: -5.157+/-0.020 χ^2/NDF: 28590.7/47

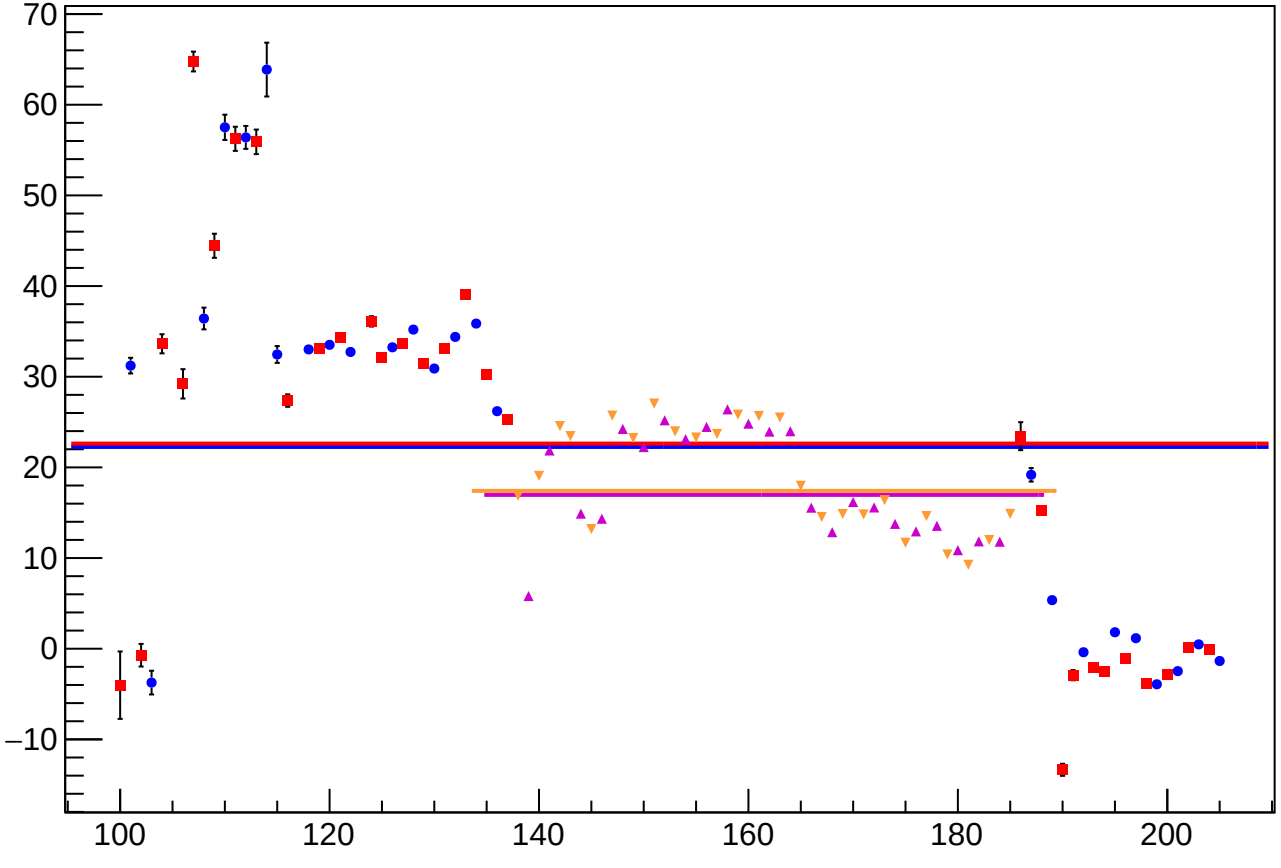
Right: -4.968+/-0.038 χ^2/NDF: 20132.6/54

In: -5.040+/-0.025 χ^2/NDF:23593.1/47

Out: -5.188+/-0.024 χ^2/NDF:25132.0/54

All: -5.117+/-0.018 χ^2/NDF: 48742.8/102

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 22.256+/-0.067 χ^2/NDF: 50840.7/24

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 22.627+/-0.066 χ^2/NDF: 62921.1/29

Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

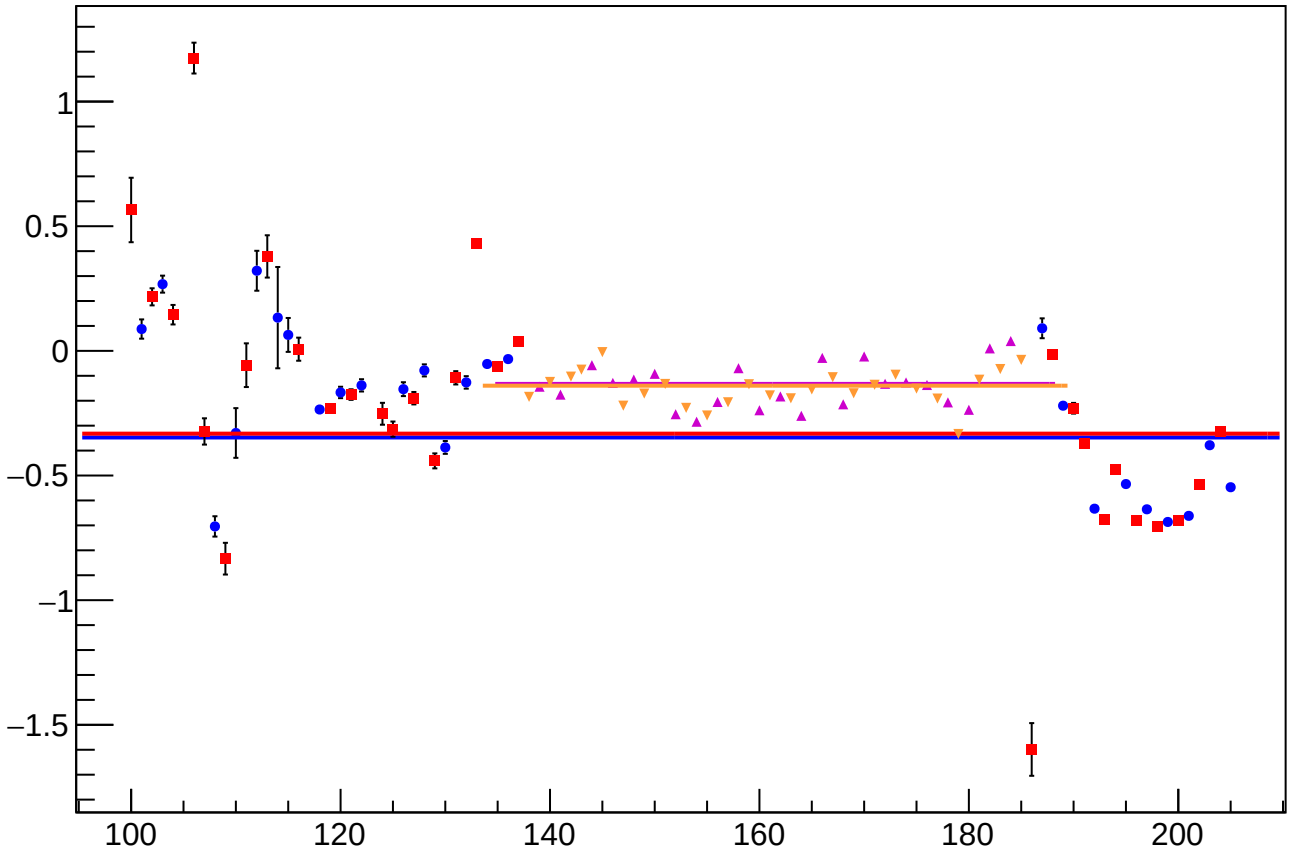
Left: 17.193+/-0.017 χ^2/NDF: 90729.6/47

Right: 22.445+/-0.047 χ^2/NDF: 113777.2/54

In: 17.606+/-0.023 χ^2/NDF:96180.8/47

Out: 18.039+/-0.023 χ^2/NDF:119054.2/54

All: 17.828+/-0.016 χ^2/NDF: 215409.7/102



Right In: -0.347+/-0.003 χ^2/NDF: 7302.6/24

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.332+/-0.003 χ^2/NDF: 11107.9/29

Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

Left: -0.136+/-0.001 χ^2/NDF: 9659.1/47

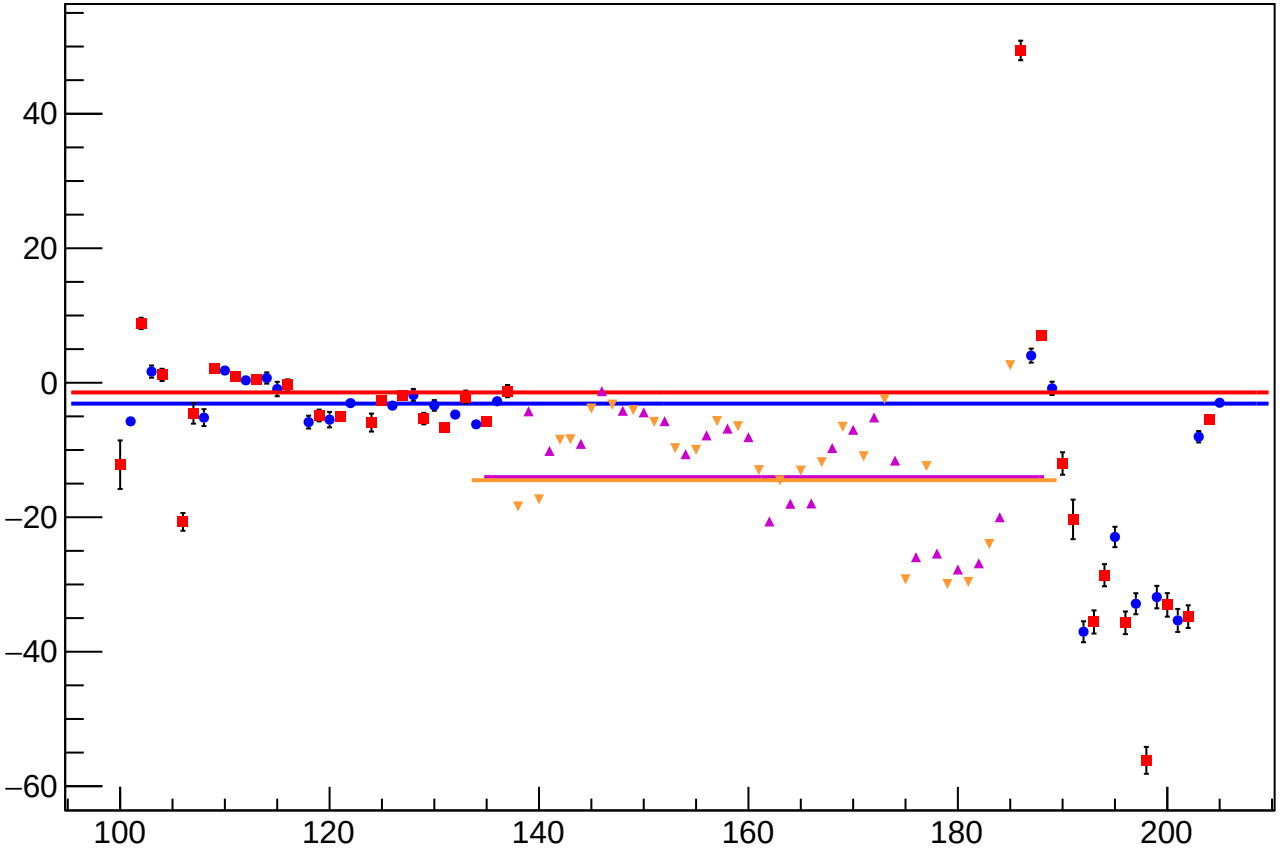
Right: -0.339+/-0.002 χ^2/NDF: 18422.9/54

In: -0.156+/-0.001 χ^2/NDF:16989.4/47

Out: -0.162+/-0.001 χ^2/NDF:18786.1/54

All: -0.159+/-0.001 χ^2/NDF: 35789.1/102

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -3.102+/-0.145 χ^2/NDF: 2113.4/24

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.437+/-0.136 χ^2/NDF: 4890.7/29

Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

Left: -14.272+/-0.054 χ^2/NDF: 30733.3/47

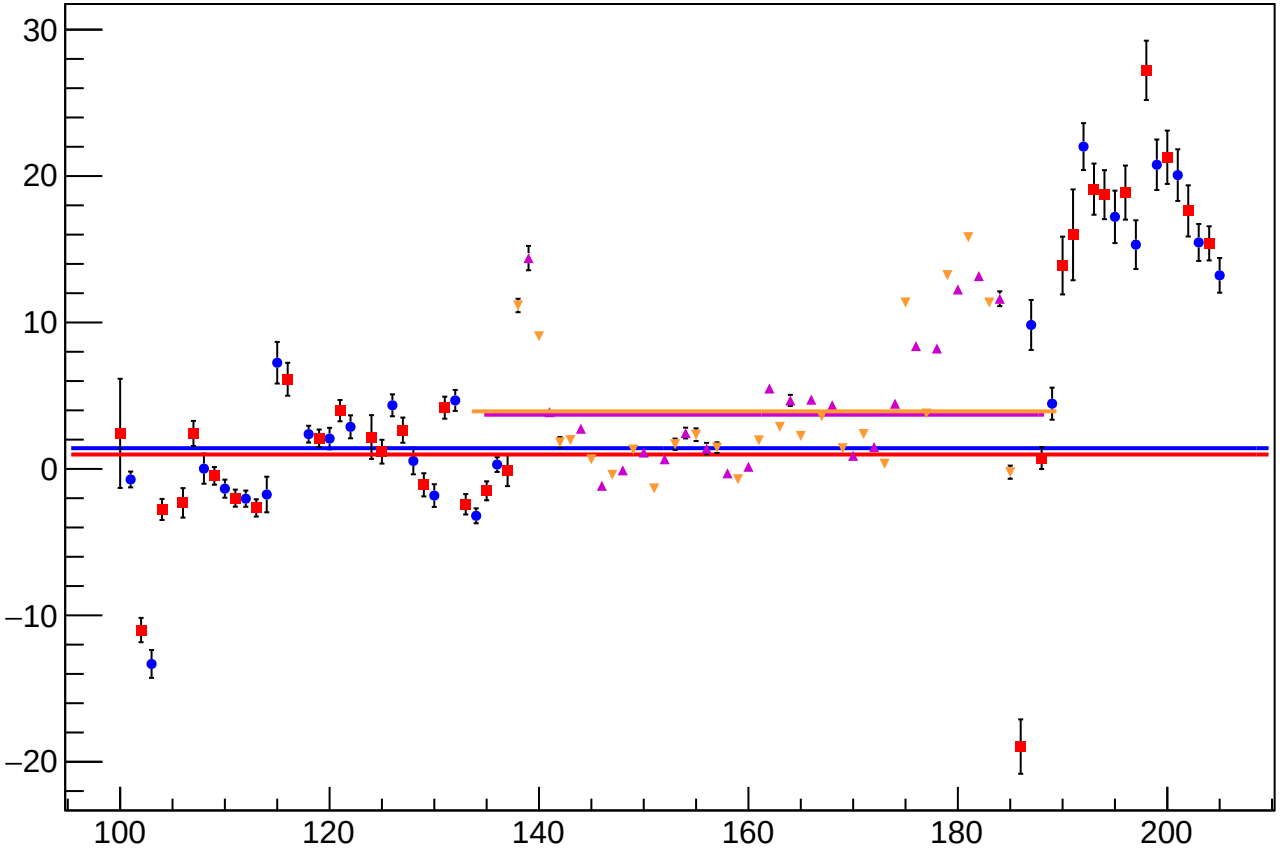
Right: -2.221+/-0.099 χ^2/NDF: 7074.4/54

In: -11.630+/-0.068 χ^2/NDF:20058.8/47

Out: -11.474+/-0.066 χ^2/NDF:29178.4/54

All: -11.549+/-0.047 χ^2/NDF: 49239.9/102

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 1.416+/-0.163 χ^2/NDF: 1293.2/24

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 0.985+/-0.165 χ^2/NDF: 1460.3/29

Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

Left: 3.820+/-0.041 χ^2/NDF: 11775.3/47

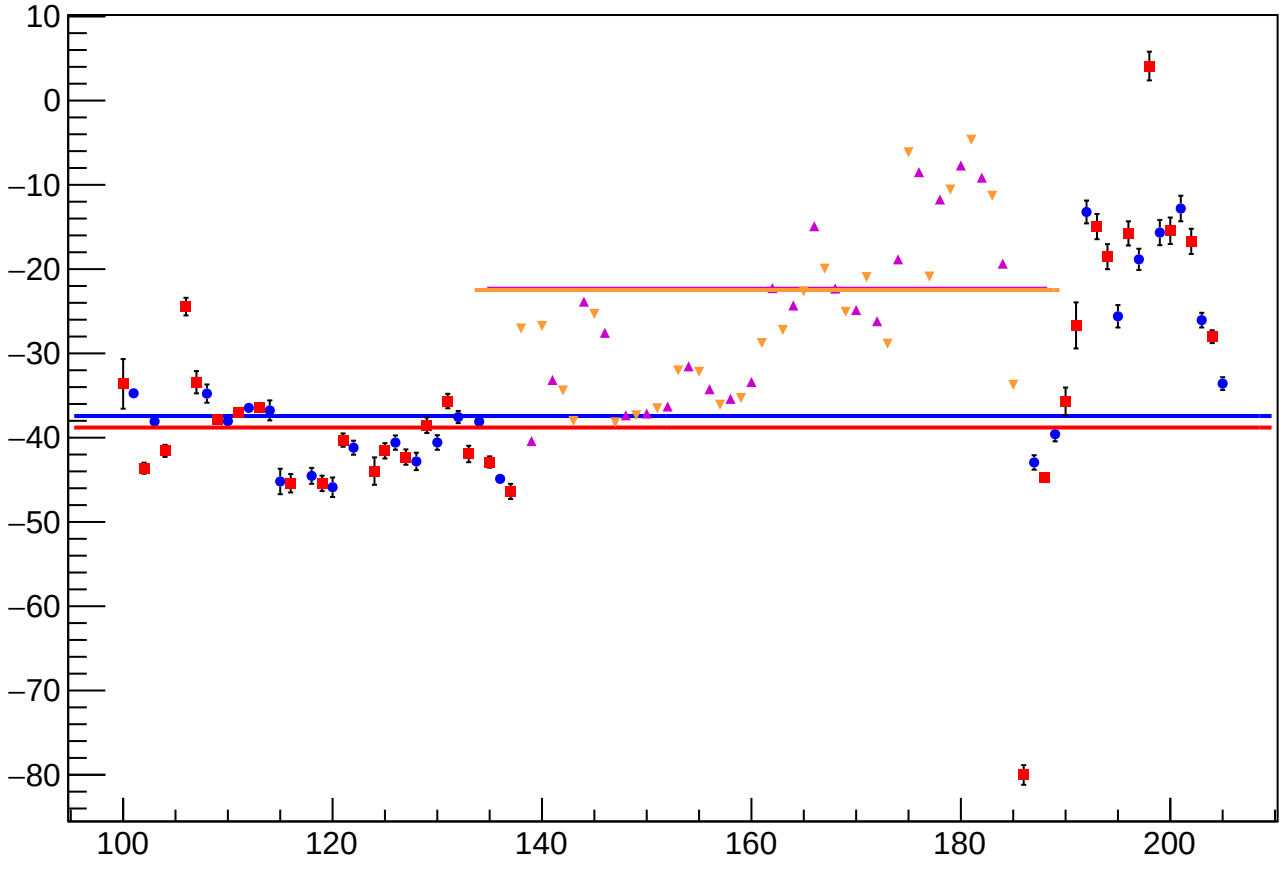
Right: 1.203+/-0.116 χ^2/NDF: 2756.9/54

In: 3.436+/-0.056 χ^2/NDF:6255.6/47

Out: 3.608+/-0.055 χ^2/NDF:8724.4/54

All: 3.523+/-0.039 χ^2/NDF: 14984.9/102

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -37.430+/-0.160 χ^2/NDF: 1874.1/24

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.796+/-0.155 χ^2/NDF: 4010.2/29

Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

Left: -22.402+/-0.054 χ^2/NDF: 37552.8/47

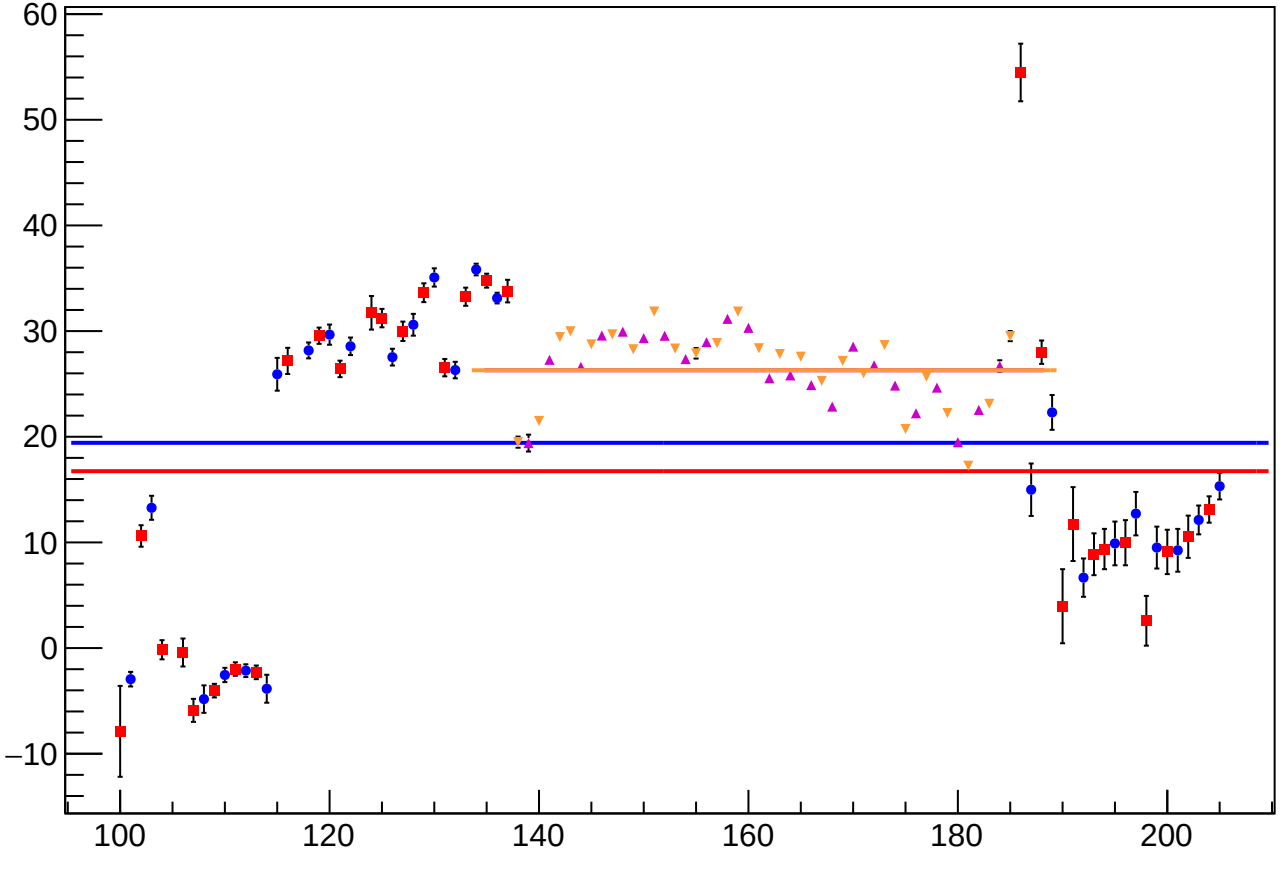
Right: -38.132+/-0.111 χ^2/NDF: 5921.9/54

In: -25.148+/-0.069 χ^2/NDF:26287.3/47

Out: -25.553+/-0.067 χ^2/NDF:33399.7/54

All: -25.355+/-0.048 χ^2/NDF: 59704.6/102

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 19.425+/-0.185 χ^2/NDF: 6875.0/24

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.741+/-0.188 χ^2/NDF: 7157.8/29

Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

Left: 26.294+/-0.047 χ^2/NDF: 5493.5/47

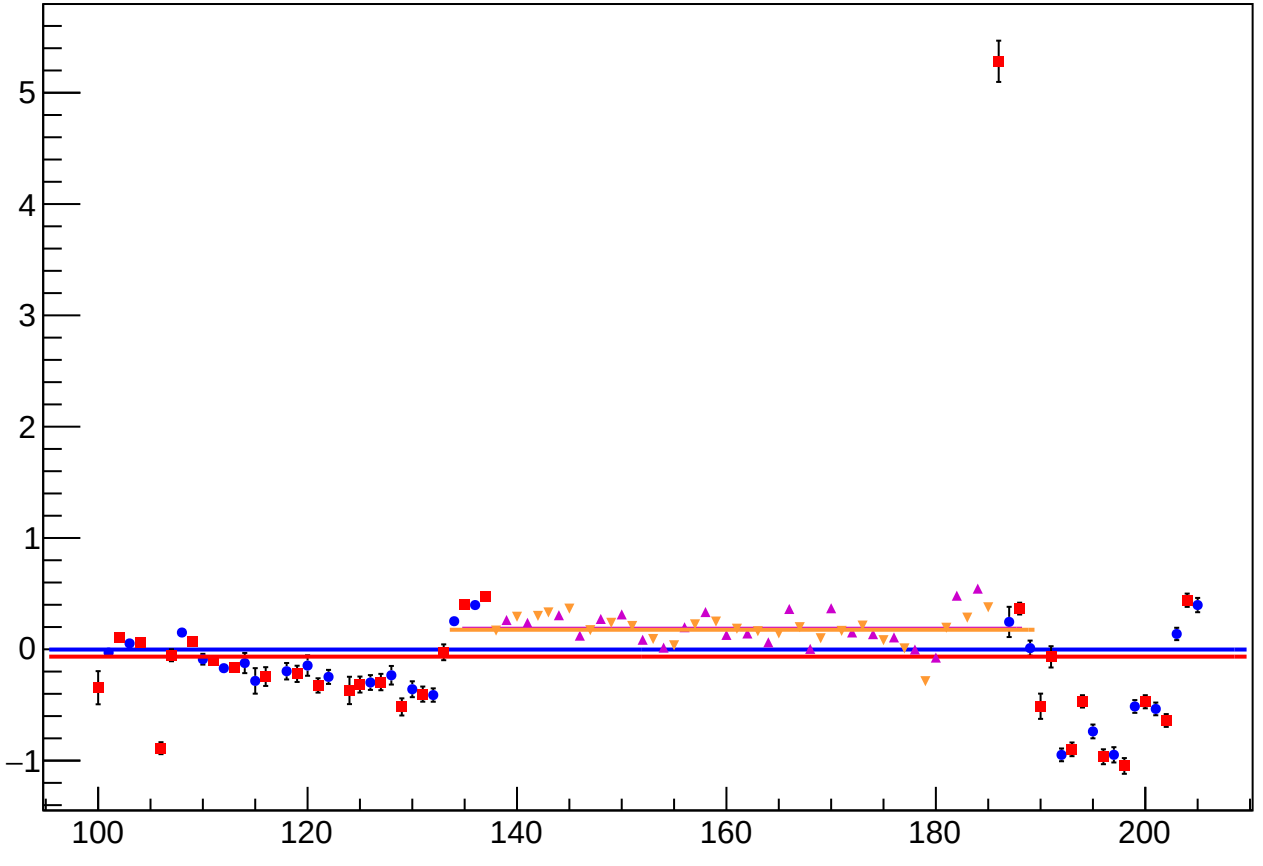
Right: 18.109+/-0.132 χ^2/NDF: 14136.5/54

In: 25.500+/-0.063 χ^2/NDF:10285.2/47

Out: 25.275+/-0.062 χ^2/NDF:12768.0/54

All: 25.386+/-0.044 χ^2/NDF: 23059.8/102

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.002+/-0.009 χ^2/NDF: 1457.8/24

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.066+/-0.010 χ^2/NDF: 2624.7/29

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

Left: 0.180+/-0.002 χ^2/NDF: 4479.2/47

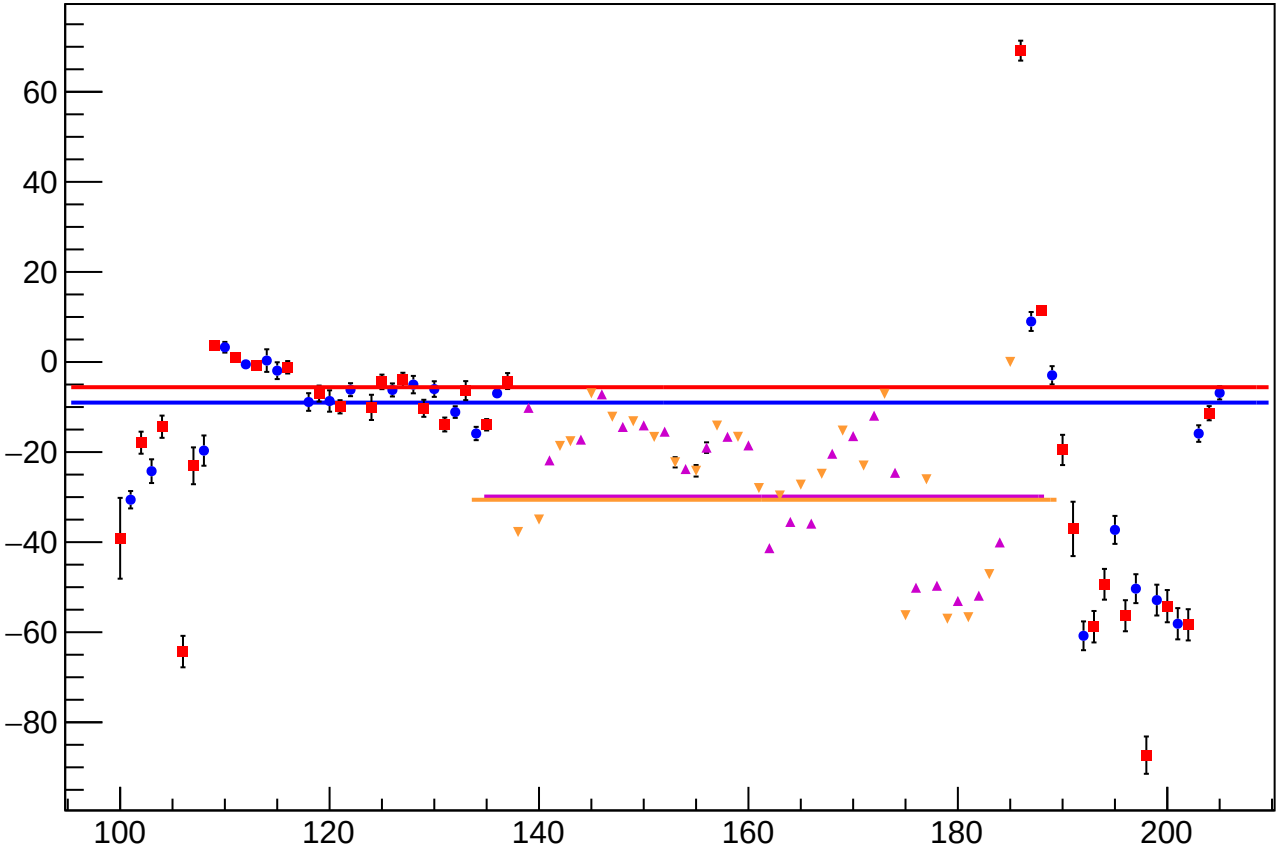
Right: -0.033+/-0.007 χ^2/NDF: 4105.0/54

In: 0.168+/-0.003 χ^2/NDF:4360.4/47

Out: 0.156+/-0.003 χ^2/NDF:5132.1/54

All: 0.162+/-0.002 χ^2/NDF: 9502.0/102

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -9.013+/-0.337 χ^2/NDF: 1396.8/24

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.595+/-0.327 χ^2/NDF: 3452.5/29

Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

Left: -30.242+/-0.102 χ^2/NDF: 28092.8/47

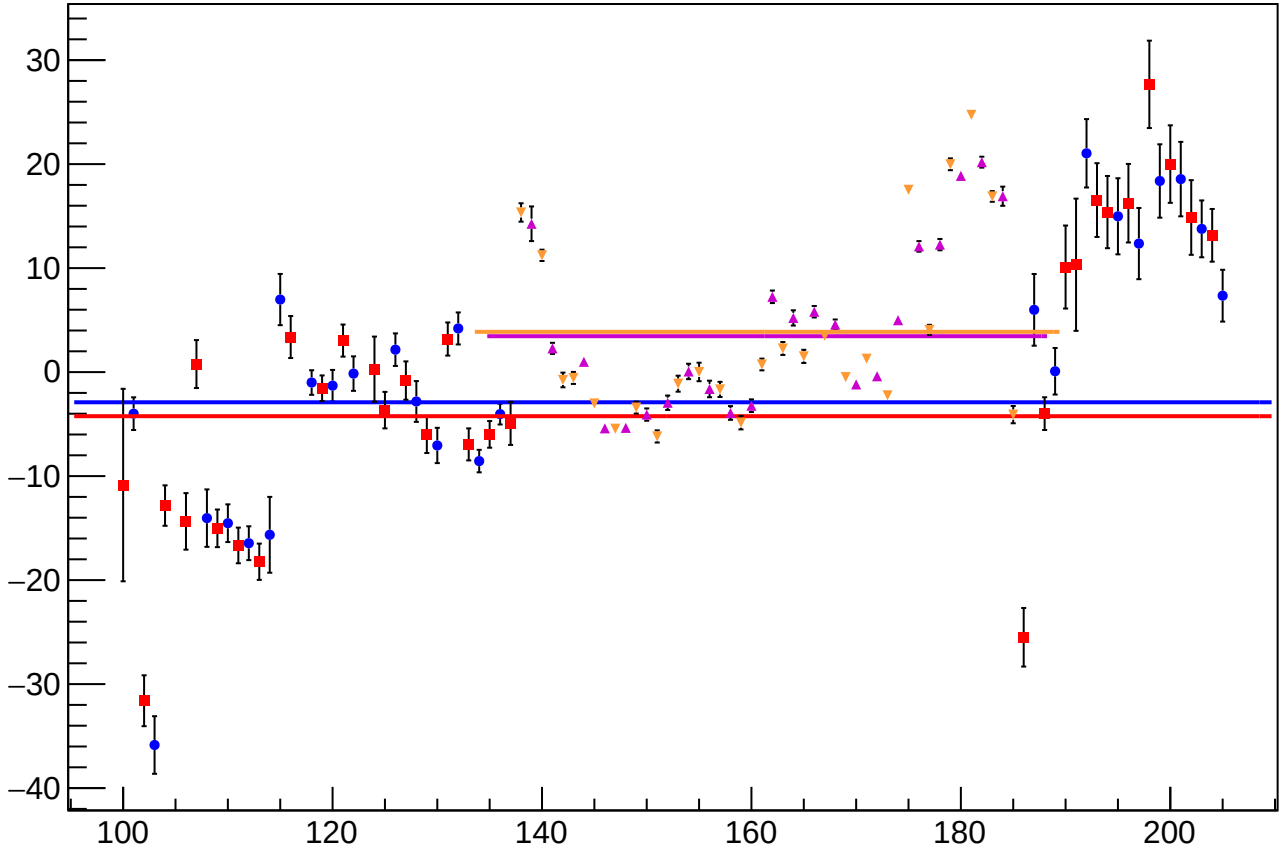
Right: -7.251+/-0.235 χ^2/NDF: 4902.3/54

In: -26.580+/-0.134 χ^2/NDF:16649.9/47

Out: -26.618+/-0.130 χ^2/NDF:24409.0/54

All: -26.600+/-0.093 χ^2/NDF: 41058.9/102

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.901+/-0.368 χ^2/NDF: 601.7/24

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.240+/-0.379 χ^2/NDF: 737.0/29

Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

Left: 3.667+/-0.079 χ^2/NDF: 11242.7/47

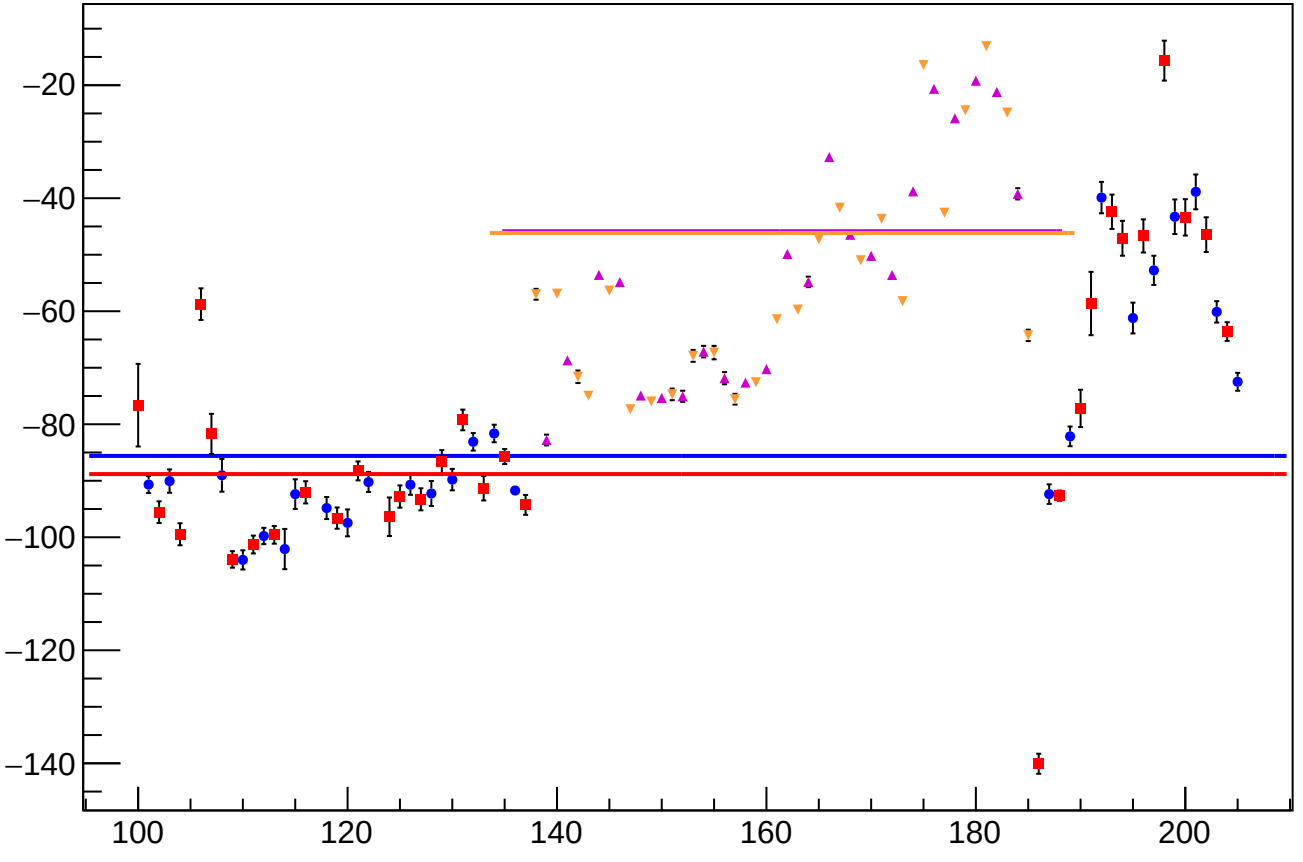
Right: -3.551+/-0.264 χ^2/NDF: 1345.1/54

In: 2.899+/-0.109 χ^2/NDF:5567.7/47

Out: 3.229+/-0.107 χ^2/NDF:7701.6/54

All: 3.067+/-0.076 χ^2/NDF: 13274.0/102

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -85.604+/-0.364 χ^2/NDF: 1597.0/24

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.817+/-0.357 χ^2/NDF: 3024.3/29

Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

Left: -45.997+/-0.102 χ^2/NDF: 39383.0/47

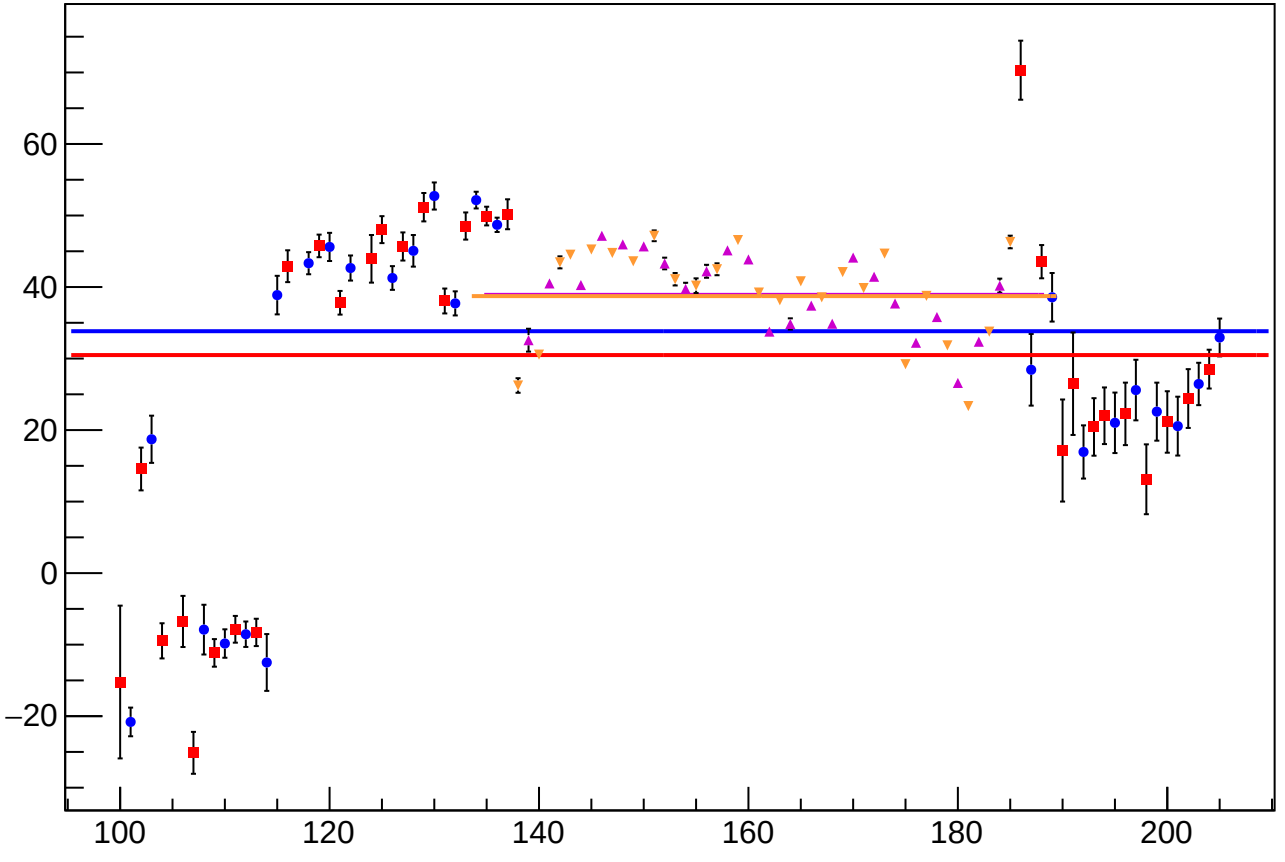
Right: -87.243+/-0.255 χ^2/NDF: 4661.0/54

In: -51.333+/-0.136 χ^2/NDF:29781.5/47

Out: -52.006+/-0.132 χ^2/NDF:36793.6/54

All: -51.678+/-0.095 χ^2/NDF: 66587.7/102

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 33.824+/-0.415 χ^2/NDF: 2874.4/24

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.488+/-0.433 χ^2/NDF: 3074.3/29

Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

Left: 38.816+/-0.089 χ^2/NDF: 4754.3/47

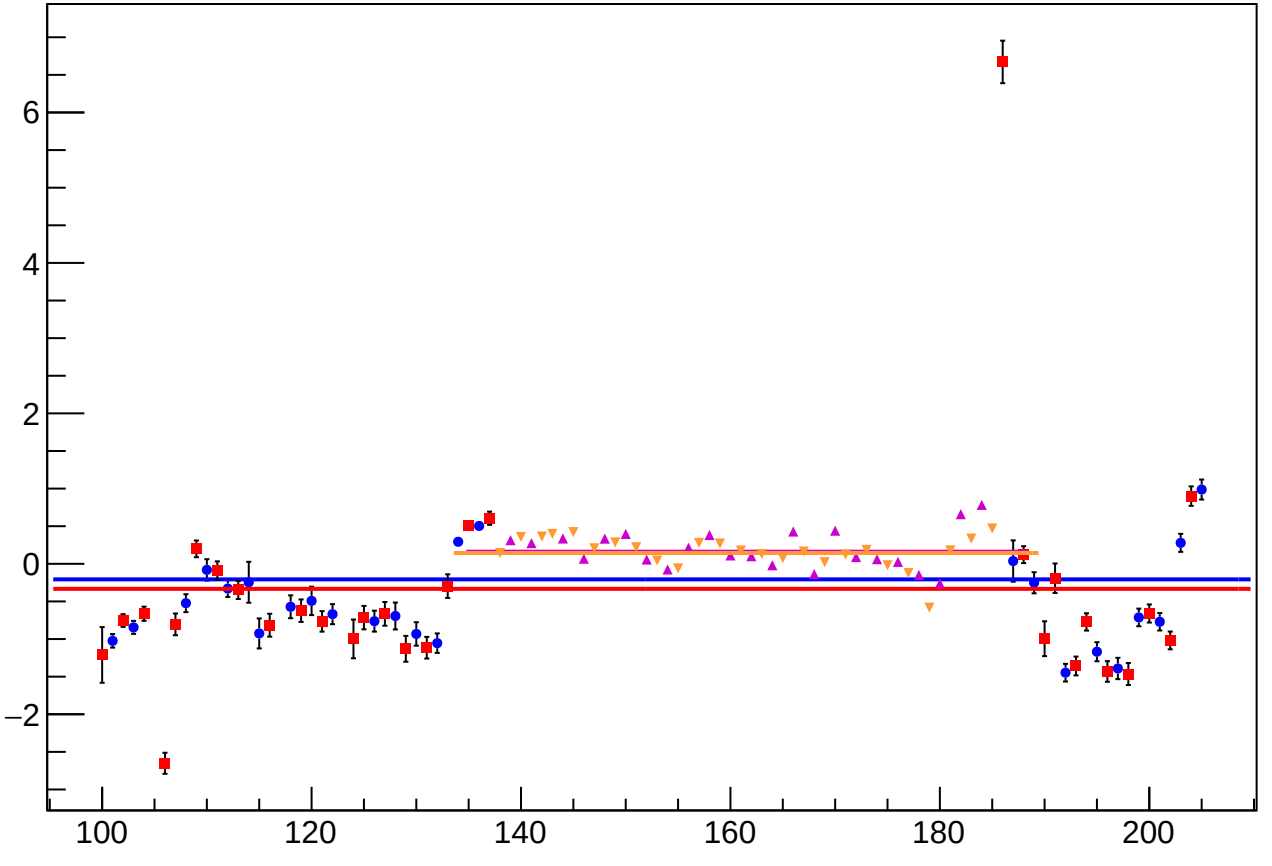
Right: 32.227+/-0.300 χ^2/NDF: 5979.6/54

In: 38.467+/-0.122 χ^2/NDF:4983.0/47

Out: 38.100+/-0.120 χ^2/NDF:6190.8/54

All: 38.280+/-0.085 χ^2/NDF: 11178.4/102

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -0.207+/-0.021 χ^2/NDF: 1029.9/24

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.333+/-0.022 χ^2/NDF: 1806.1/29

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

Left: 0.152+/-0.004 χ^2/NDF: 3366.6/47

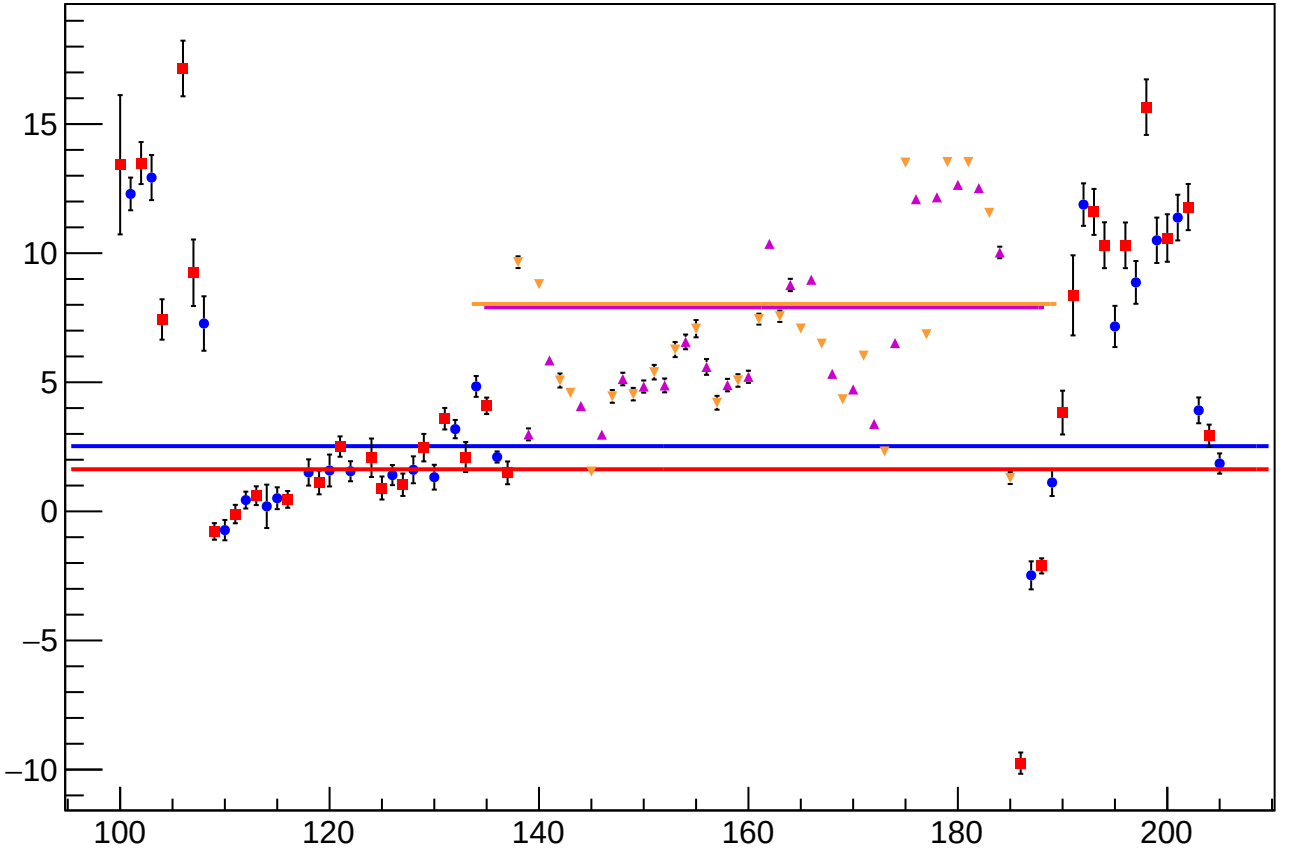
Right: -0.266+/-0.015 χ^2/NDF: 2853.0/54

In: 0.136+/-0.006 χ^2/NDF:3233.3/47

Out: 0.115+/-0.005 χ^2/NDF:3680.2/54

All: 0.126+/-0.004 χ^2/NDF: 6920.8/102

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 2.526+/-0.093 χ^2/NDF: 1116.7/24

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.631+/-0.091 χ^2/NDF: 2394.8/29

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

Left: 7.970+/-0.025 χ^2/NDF: 23948.8/47

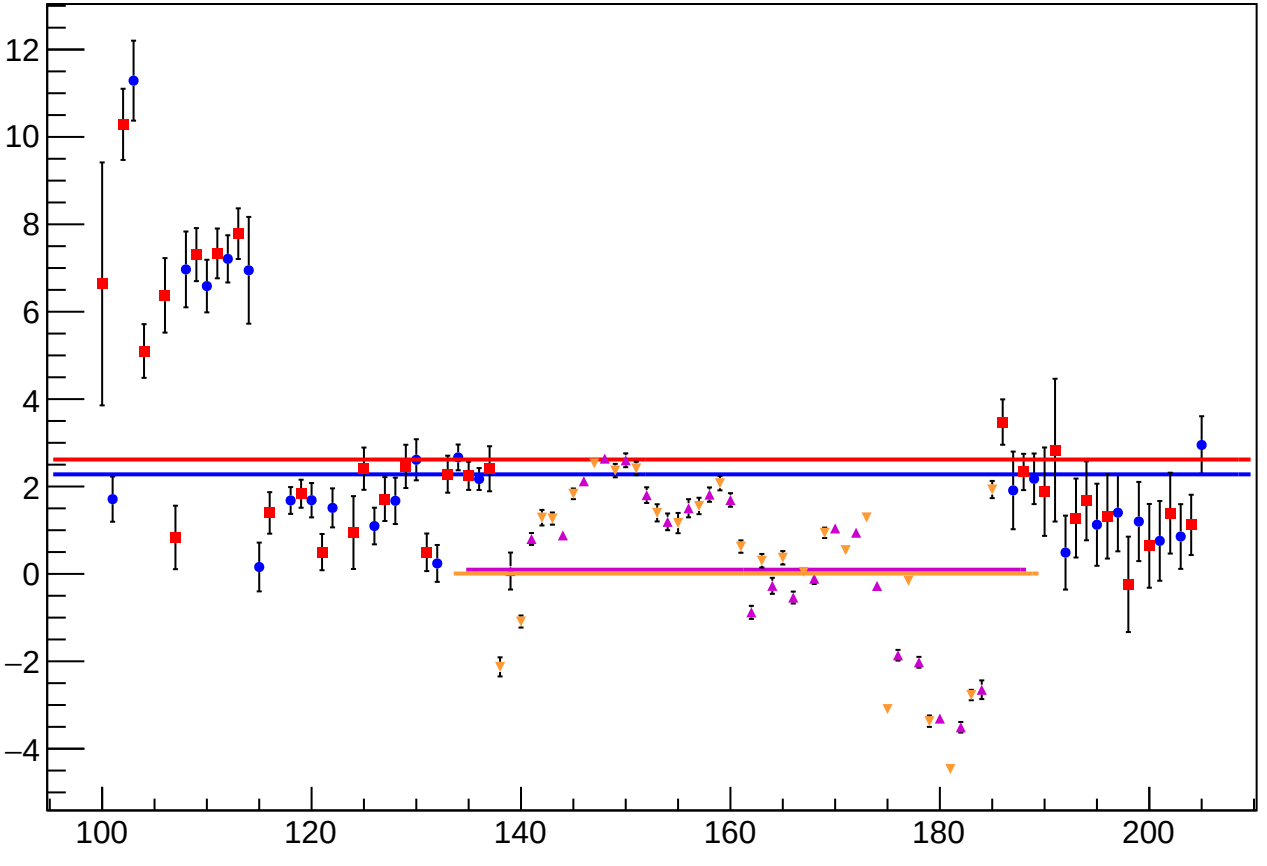
Right: 2.066+/-0.065 χ^2/NDF: 3558.9/54

In: 7.210+/-0.033 χ^2/NDF:14040.8/47

Out: 7.214+/-0.032 χ^2/NDF:20670.8/54

All: 7.212+/-0.023 χ^2/NDF: 34711.6/102

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 2.278+/-0.100 χ^2/NDF: 351.2/24

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.618+/-0.103 χ^2/NDF: 439.4/29

Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

Left: 0.051+/-0.020 χ^2/NDF: 10199.5/47

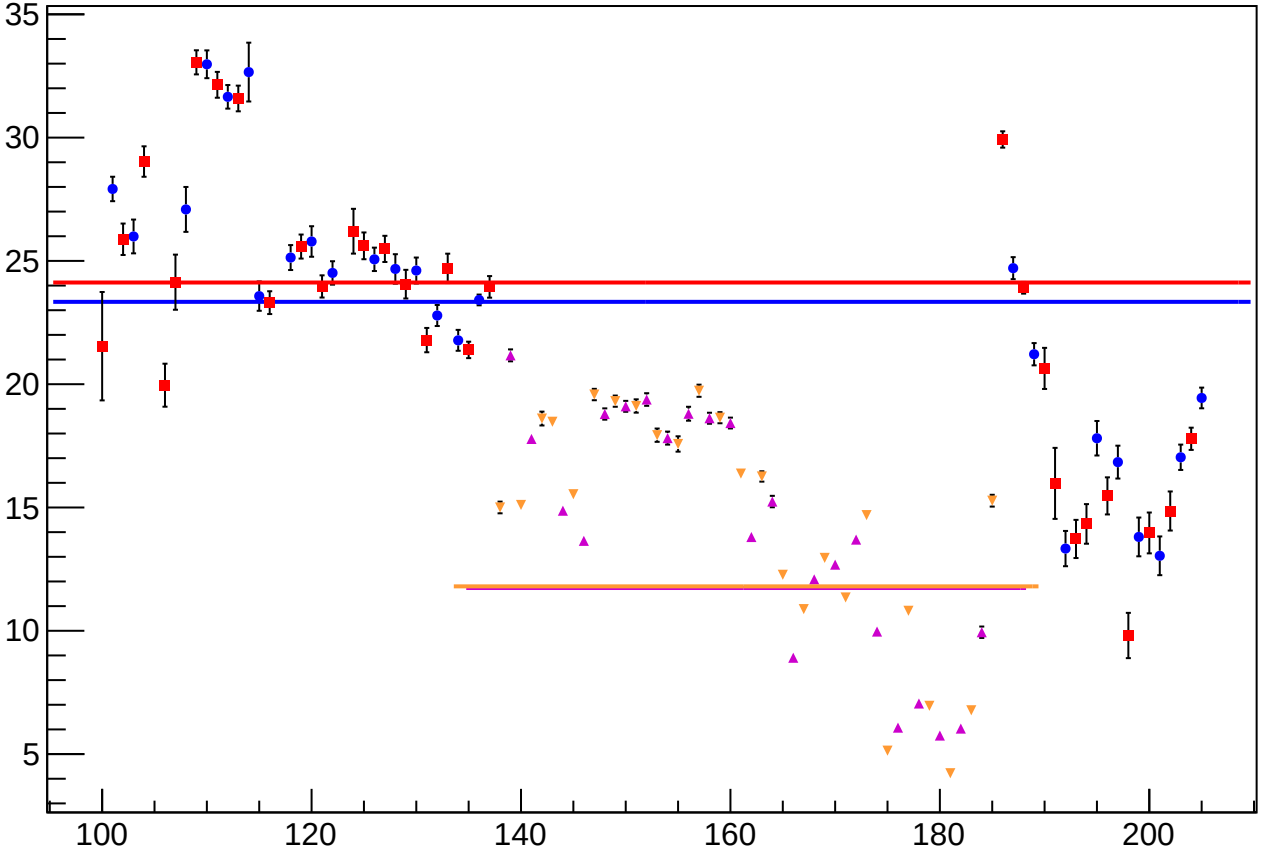
Right: 2.443+/-0.072 χ^2/NDF: 796.1/54

In: 0.256+/-0.027 χ^2/NDF:5224.9/47

Out: 0.182+/-0.027 χ^2/NDF:6798.4/54

All: 0.218+/-0.019 χ^2/NDF: 12027.2/102

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 23.340+/-0.099 χ^2/NDF: 1786.7/24

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 24.124+/-0.096 χ^2/NDF: 2536.6/29

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

Left: 11.769+/-0.025 χ^2/NDF: 39480.8/47

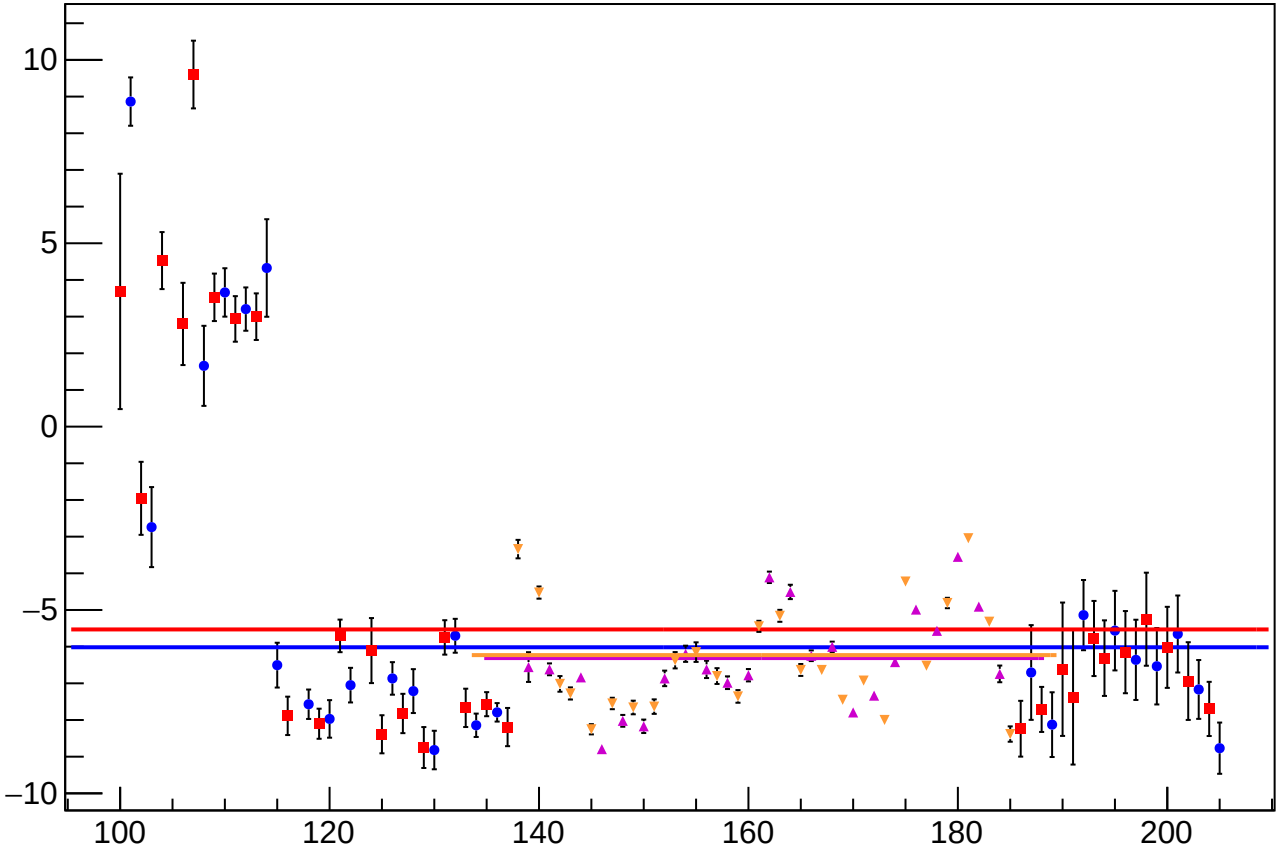
Right: 23.744+/-0.069 χ^2/NDF: 4355.4/54

In: 13.069+/-0.034 χ^2/NDF:31856.4/47

Out: 13.231+/-0.033 χ^2/NDF:38520.4/54

All: 13.152+/-0.023 χ^2/NDF: 70388.7/102

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -6.017+/-0.113 χ^2/NDF: 1277.8/24

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

Right Out: -5.530+/-0.118 χ^2/NDF: 1335.8/29

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

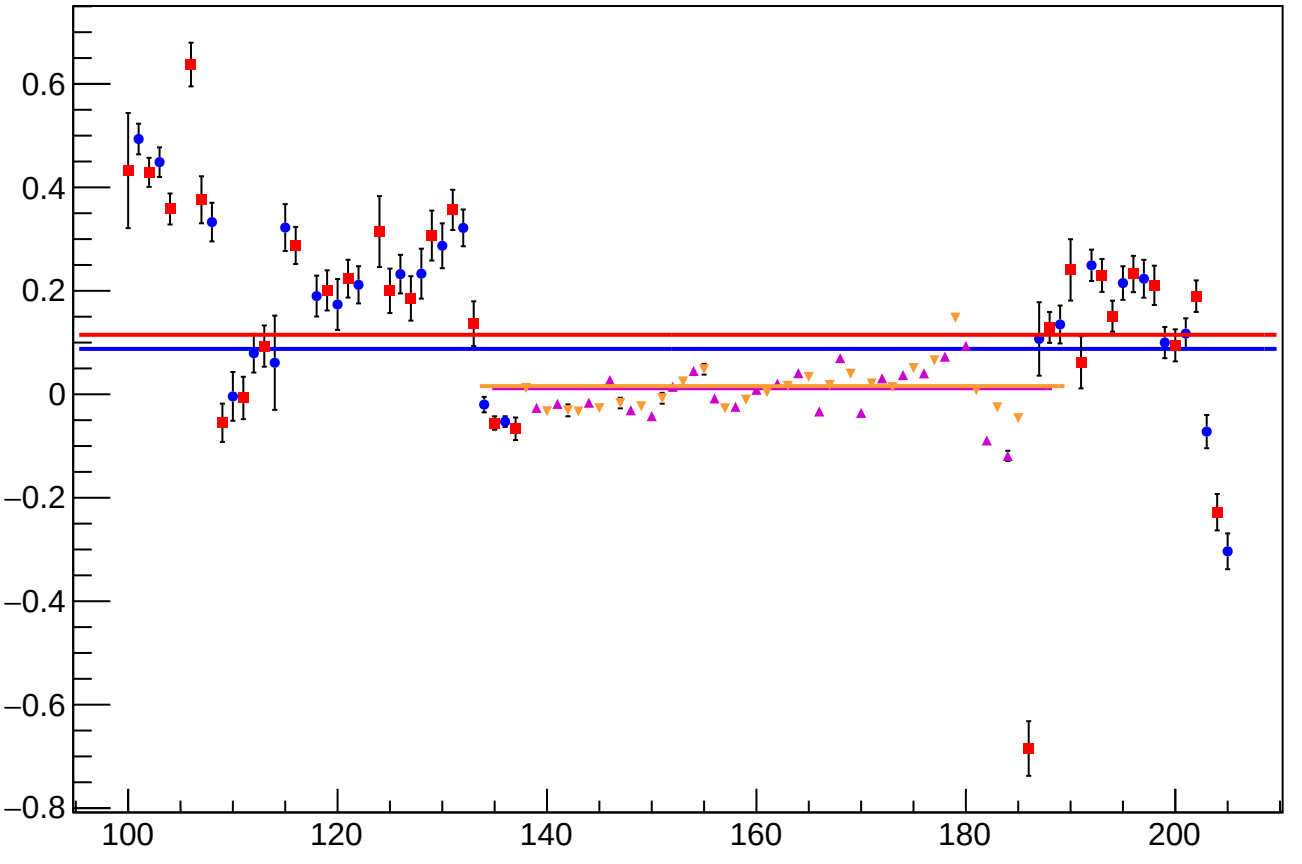
Left: -6.270+/-0.022 χ^2/NDF: 4483.6/47

Right: -5.785+/-0.082 χ^2/NDF: 2622.4/54

In: -6.290+/-0.030 χ^2/NDF:3314.3/47

Out: -6.186+/-0.030 χ^2/NDF:3818.6/54

All: -6.237+/-0.021 χ^2/NDF: 7138.9/102



Right In: 0.088+/-0.006 χ^2/NDF: 980.7/24

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.115+/-0.006 χ^2/NDF: 1132.3/29

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

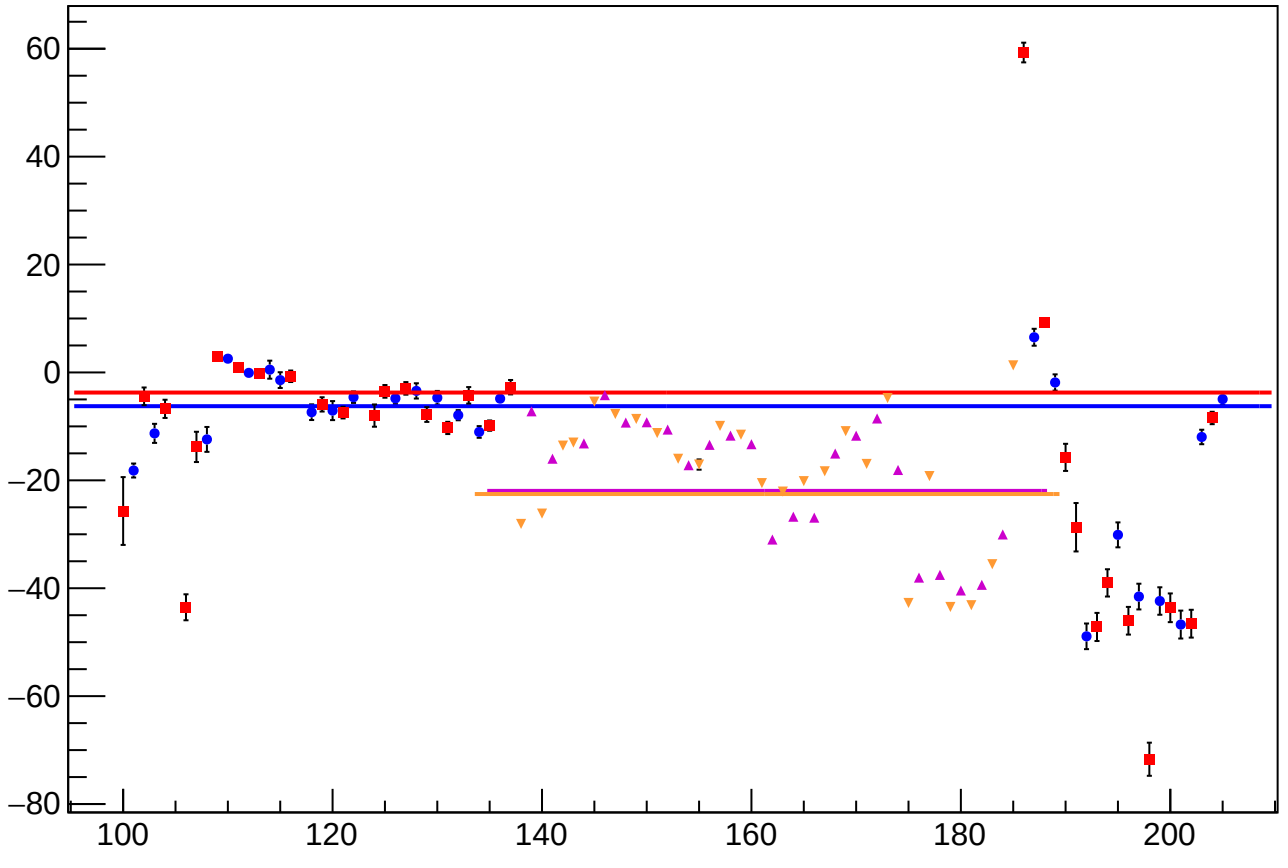
Left: 0.014+/-0.001 χ^2/NDF: 2235.3/47

Right: 0.101+/-0.004 χ^2/NDF: 2123.8/54

In: 0.016+/-0.001 χ^2/NDF:2446.0/47

Out: 0.021+/-0.001 χ^2/NDF:2321.5/54

All: 0.018+/-0.001 χ^2/NDF: 4773.4/102



Right In: -6.255+/-0.243 χ^2/NDF: 1563.8/24

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -3.728+/-0.234 χ^2/NDF: 3832.1/29

Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

Left: -22.255+/-0.078 χ^2/NDF: 29139.9/47

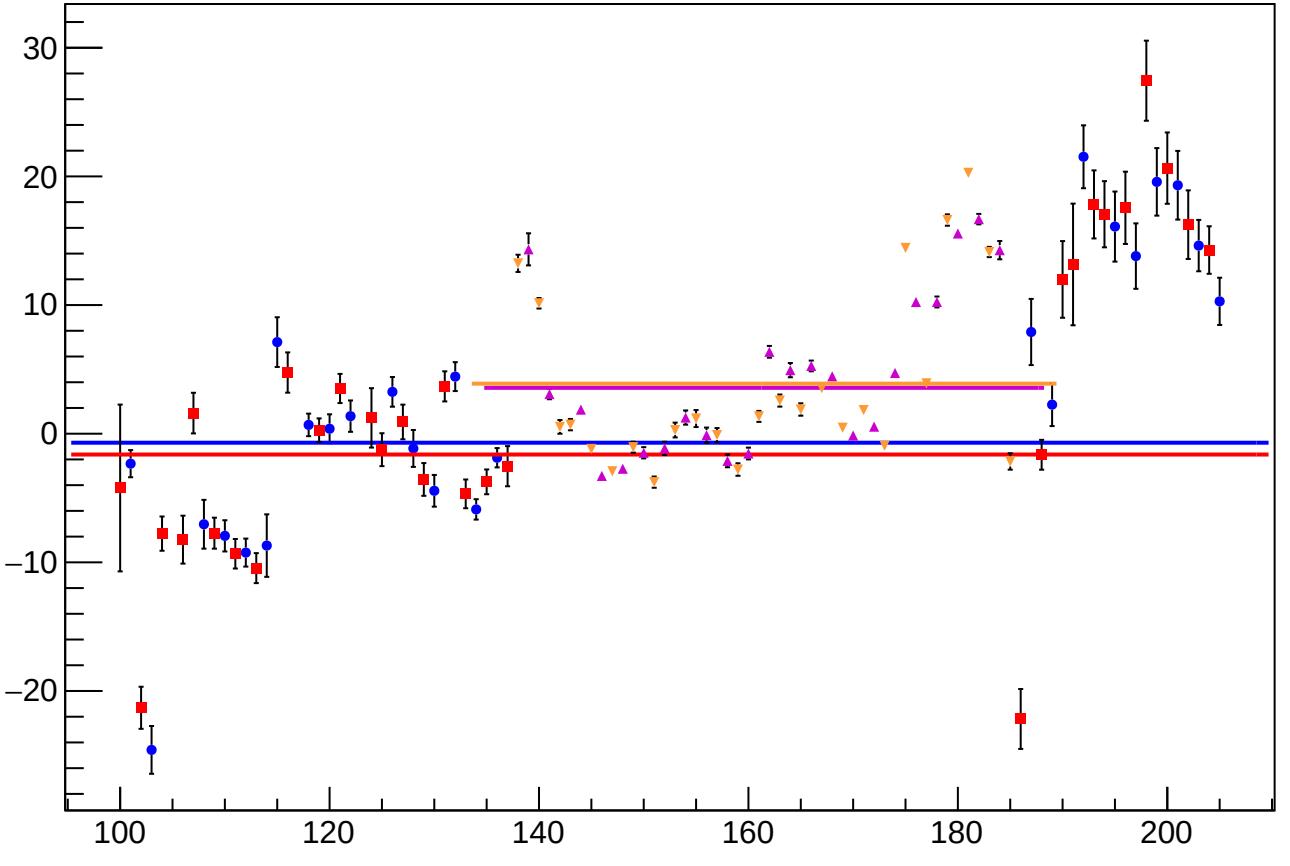
Right: -4.944+/-0.168 χ^2/NDF: 5452.0/54

In: -19.234+/-0.101 χ^2/NDF:17608.8/47

Out: -19.224+/-0.098 χ^2/NDF:25706.6/54

All: -19.229+/-0.070 χ^2/NDF: 43315.4/102

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.700+/-0.267 χ^2/NDF: 775.0/24

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

Right Out: -1.620+/-0.273 χ^2/NDF: 926.0/29

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

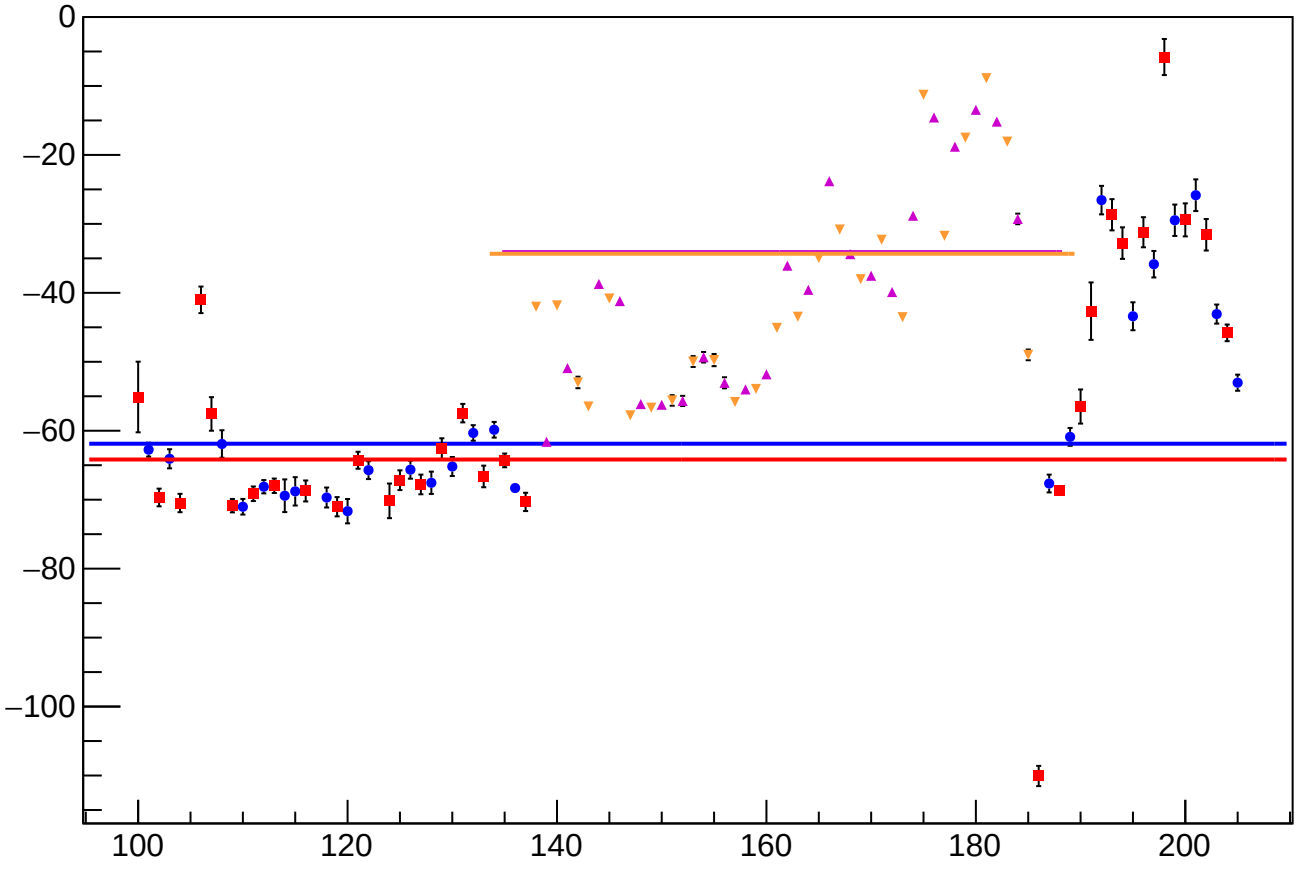
Left: 3.732+/-0.060 χ^2/NDF: 11470.7/47

Right: -1.149+/-0.191 χ^2/NDF: 1706.9/54

In: 3.162+/-0.082 χ^2/NDF:5745.9/47

Out: 3.413+/-0.081 χ^2/NDF:8021.1/54

All: 3.290+/-0.057 χ^2/NDF: 13771.8/102



Right In: -61.882+/-0.264 χ^2/NDF: 1599.2/24

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -64.173+/-0.258 χ^2/NDF: 3247.3/29

Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

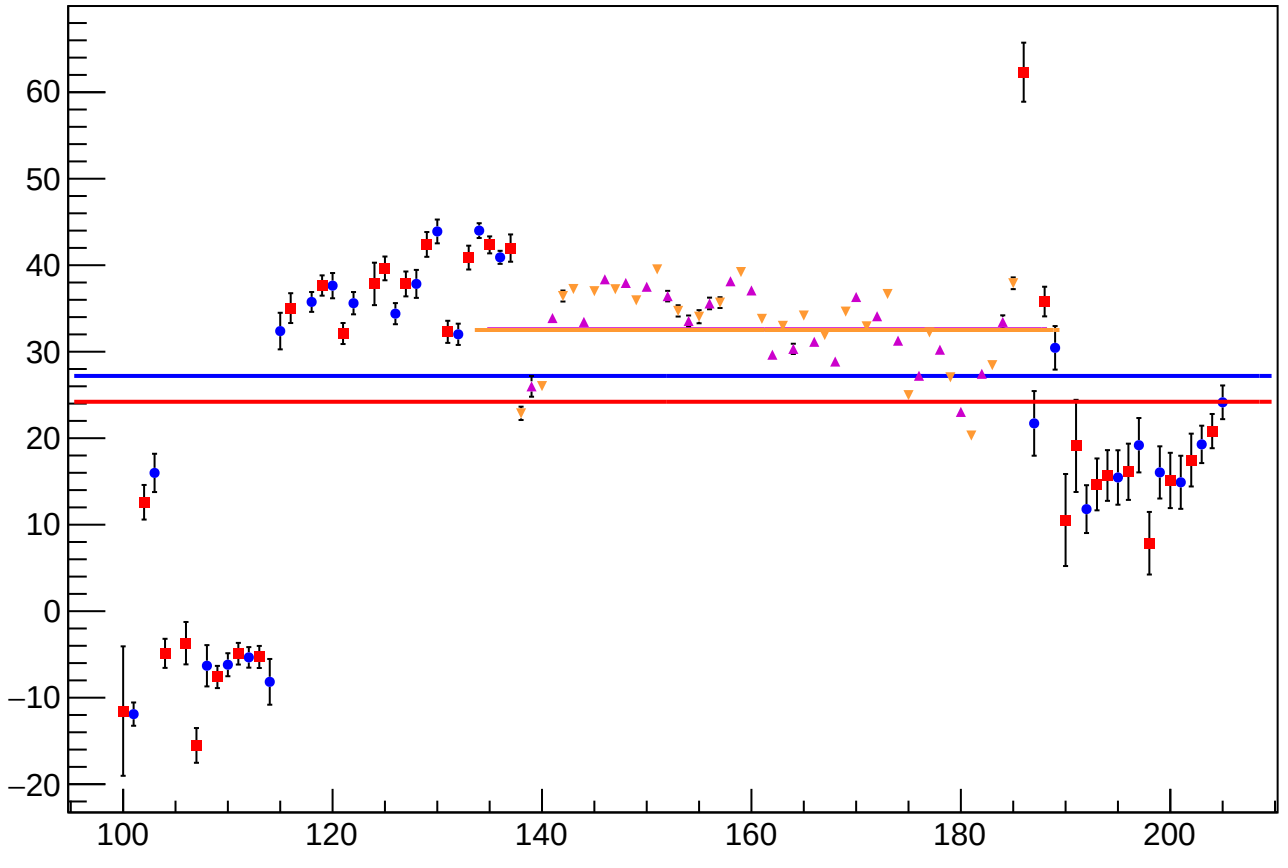
Left: -34.216+/-0.077 χ^2/NDF: 38929.7/47

Right: -63.052+/-0.184 χ^2/NDF: 4885.0/54

In: -38.272+/-0.102 χ^2/NDF:28763.6/47

Out: -38.796+/-0.100 χ^2/NDF:35806.3/54

All: -38.540+/-0.071 χ^2/NDF: 64583.4/102



Right In: 27.199+/-0.301 χ^2/NDF: 3836.7/24

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.212+/-0.313 χ^2/NDF: 4080.5/29

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

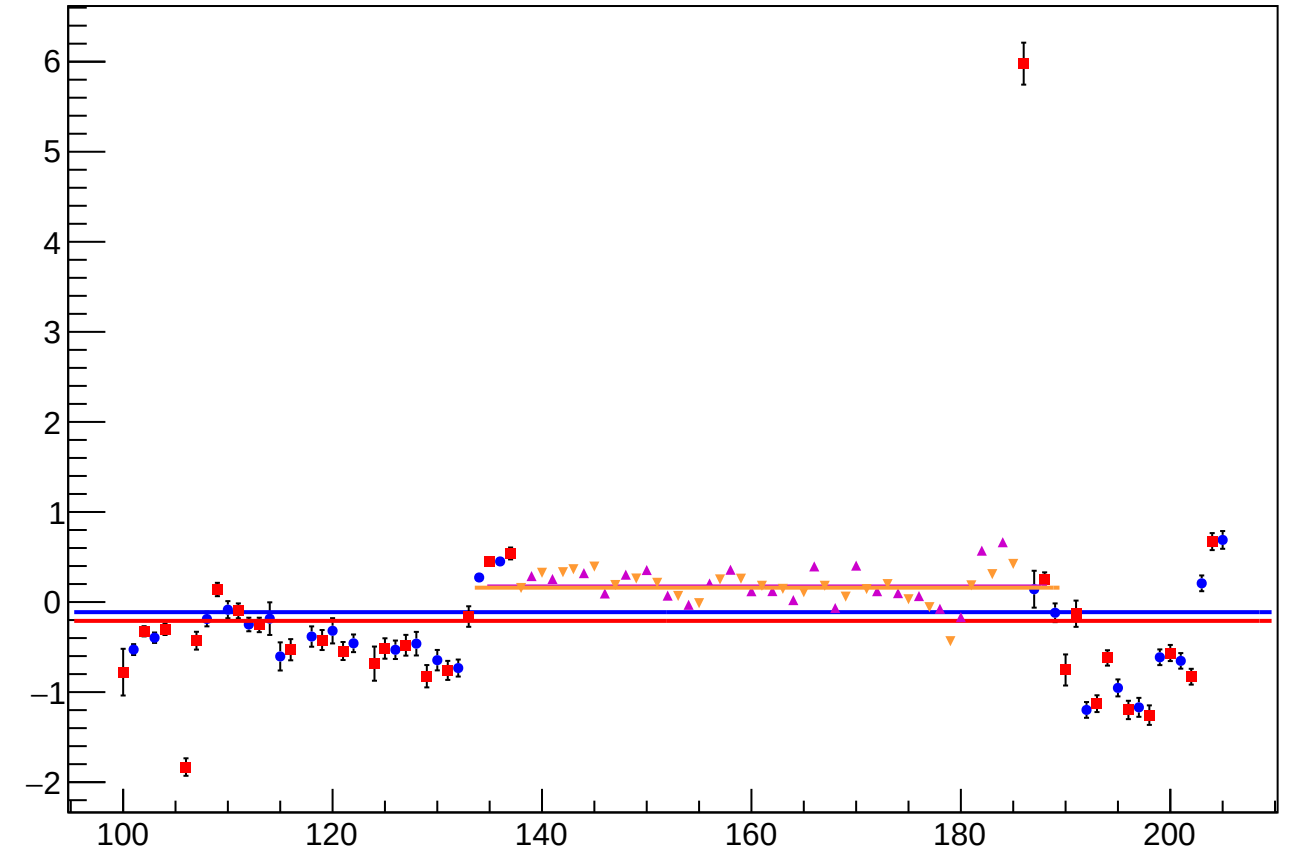
Left: 32.553+/-0.068 χ^2/NDF: 4951.3/47

Right: 25.761+/-0.217 χ^2/NDF: 7964.5/54

In: 32.093+/-0.092 χ^2/NDF:6140.8/47

Out: 31.815+/-0.090 χ^2/NDF:7664.3/54

All: 31.952+/-0.065 χ^2/NDF: 13809.8/102



Right In: -0.112+/-0.015 χ^2/NDF: 1109.9/24

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.209+/-0.016 χ^2/NDF: 2040.1/29

Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

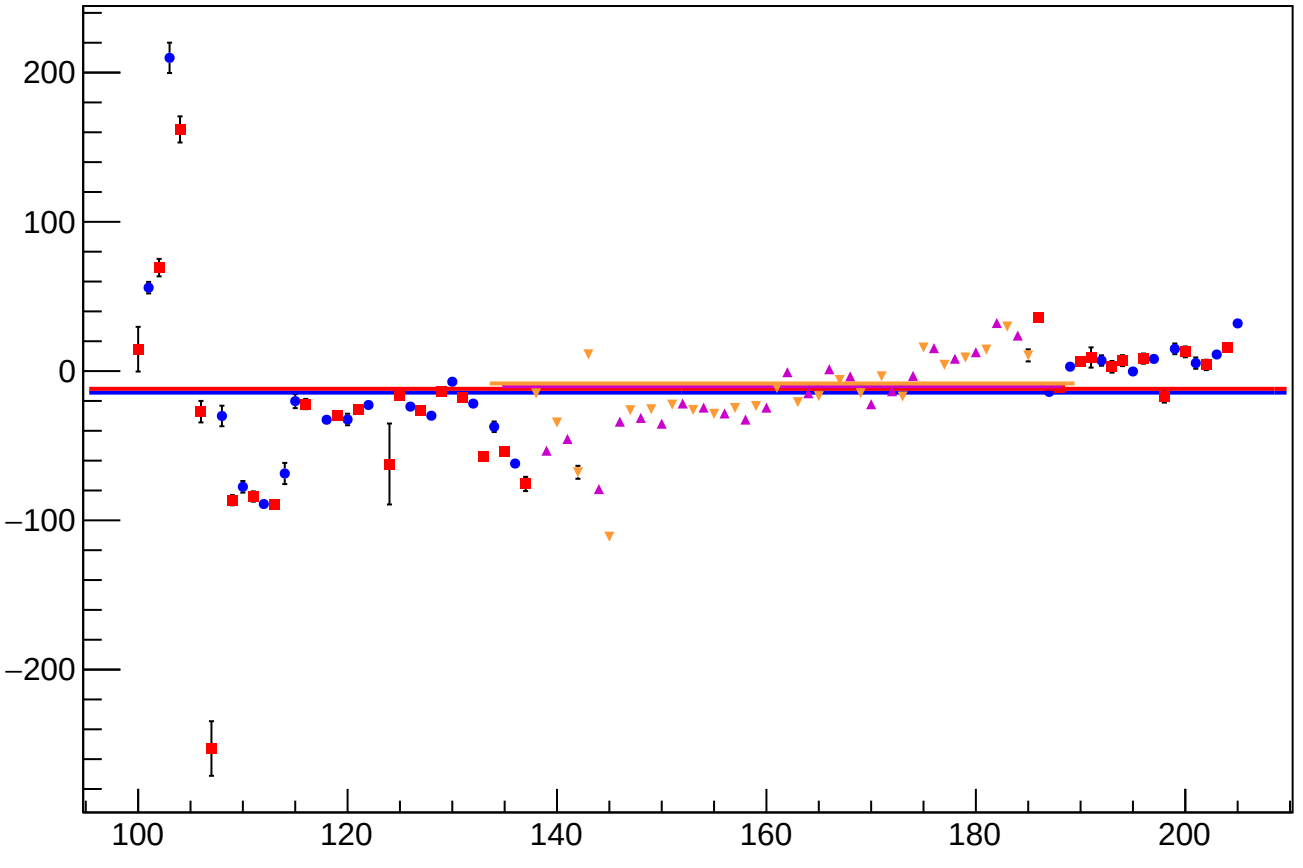
Left: 0.166+/-0.003 χ^2/NDF: 3747.7/47

Right: -0.158+/-0.011 χ^2/NDF: 3169.0/54

In: 0.152+/-0.004 χ^2/NDF:3562.1/47

Out: 0.136+/-0.004 χ^2/NDF:4144.8/54

All: 0.144+/-0.003 χ^2/NDF: 7714.7/102



Right In: -14.429+/-0.617 χ^2/NDF: 3060.6/24

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -11.871+/-0.556 χ^2/NDF: 4258.3/29

Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

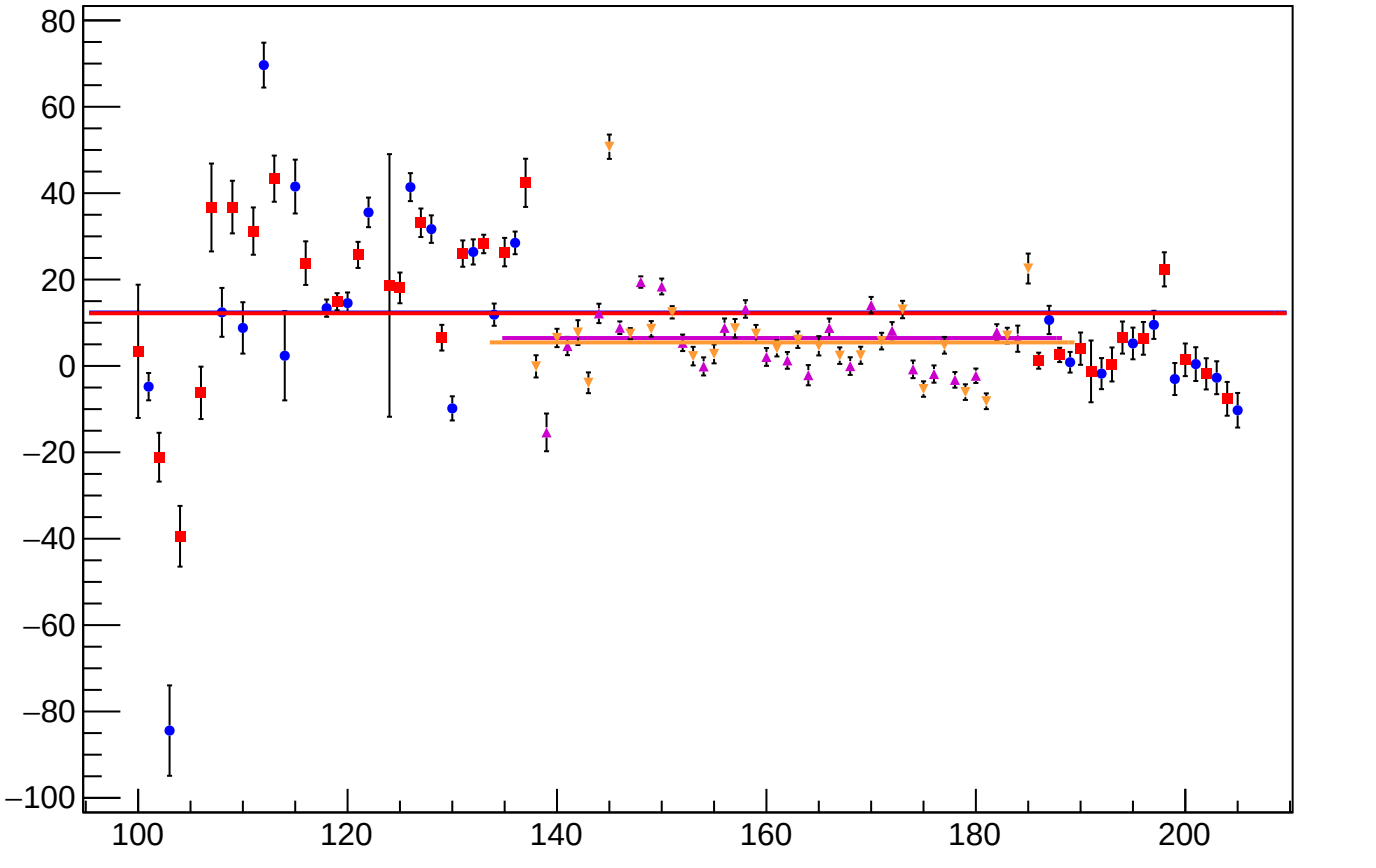
Left: -9.217+/-0.368 χ^2/NDF: 5084.6/47

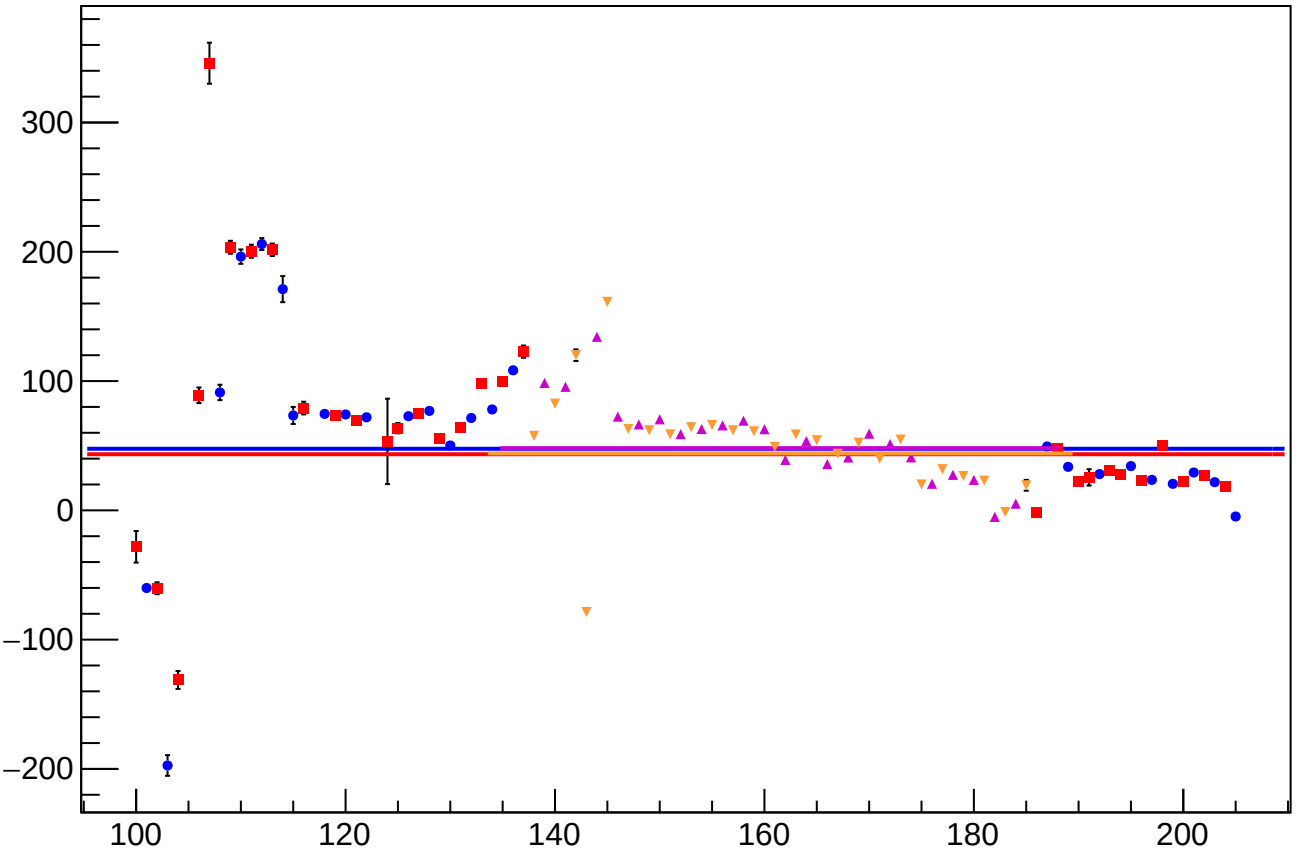
Right: -13.019+/-0.413 χ^2/NDF: 7328.4/54

In: -11.972+/-0.400 χ^2/NDF:5606.4/47

Out: -9.941+/-0.377 χ^2/NDF:6840.2/54

All: -10.897+/-0.275 χ^2/NDF: 12460.2/102


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: 12.365+/-0.665 χ²/NDF: 665.4/24
Left Out: 5.445+/-0.394 χ²/NDF:493.7/24
Right Out: 12.197+/-0.626 χ²/NDF: 511.0/29
Left In: 6.461+/-0.408 χ²/NDF:336.0/22
Left: 5.936+/-0.283 χ²/NDF: 832.9/47
Right: 12.276+/-0.456 χ²/NDF: 1176.5/54
In: 8.076+/-0.348 χ²/NDF:1058.6/47
Out: 7.362+/-0.333 χ²/NDF:1088.2/54
All: 7.704+/-0.241 χ²/NDF: 2149.0/102



Right In: 47.648+/-0.607 χ^2/NDF: 6309.0/24

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 43.406+/-0.521 χ^2/NDF: 7704.7/29

Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

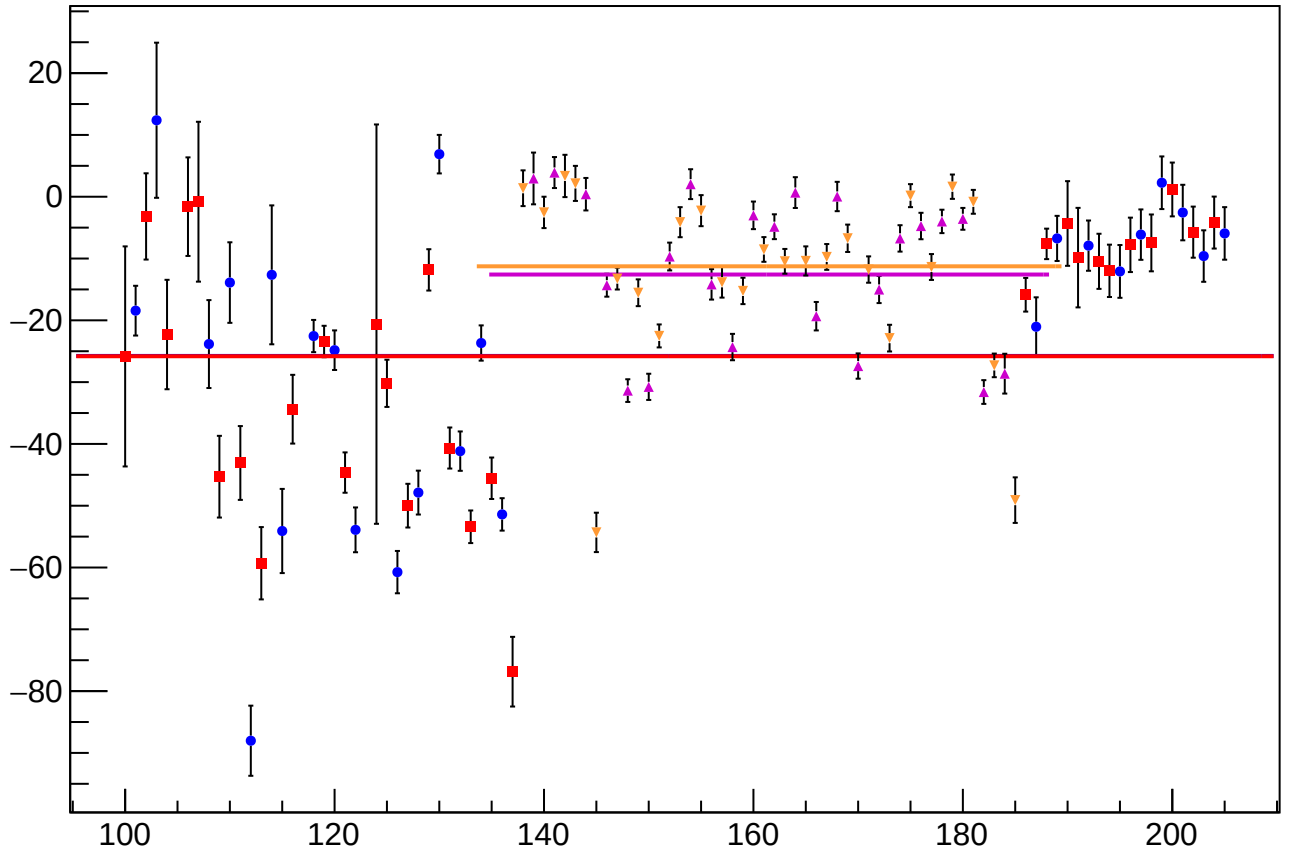
Left: 46.014+/-0.364 χ^2/NDF: 7970.9/47

Right: 45.204+/-0.395 χ^2/NDF: 14041.8/54

In: 47.895+/-0.395 χ^2/NDF:9685.7/47

Out: 43.730+/-0.364 χ^2/NDF:12269.2/54

All: 45.642+/-0.268 χ^2/NDF: 22015.0/102



Right In: -25.762+/-0.781 χ^2/NDF: 776.6/24

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -25.812+/-0.762 χ^2/NDF: 646.6/29

Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

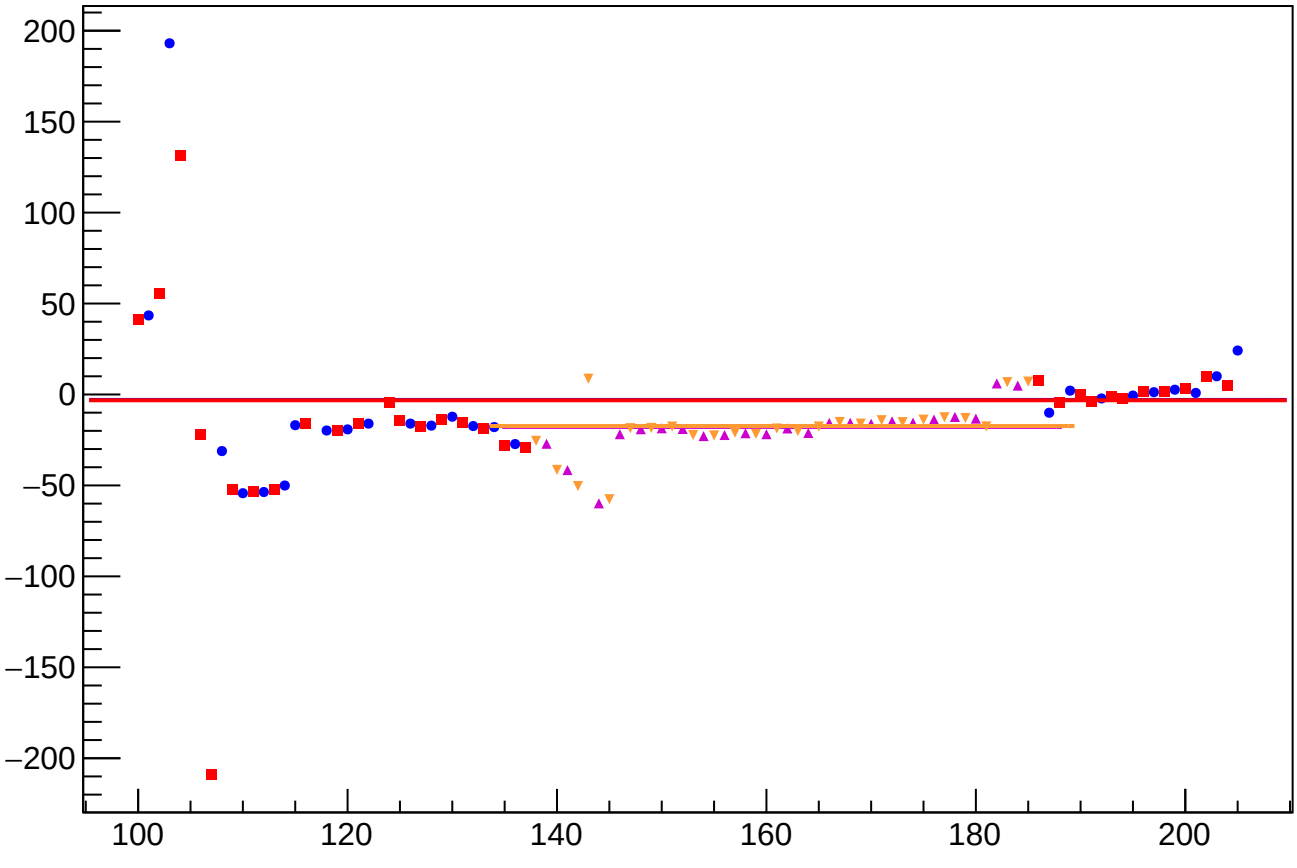
Left: -11.904+/-0.319 χ^2/NDF: 1319.4/47

Right: -25.787+/-0.546 χ^2/NDF: 1423.2/54

In: -15.968+/-0.396 χ^2/NDF:1659.9/47

Out: -14.957+/-0.384 χ^2/NDF:1561.7/54

All: -15.448+/-0.276 χ^2/NDF: 3224.9/102



Right In: -3.006+/-0.037 χ^2/NDF: 569160.2/24

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -3.176+/-0.036 χ^2/NDF: 497490.4/29

Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

Left: -17.576+/-0.014 χ^2/NDF: 615524.8/47

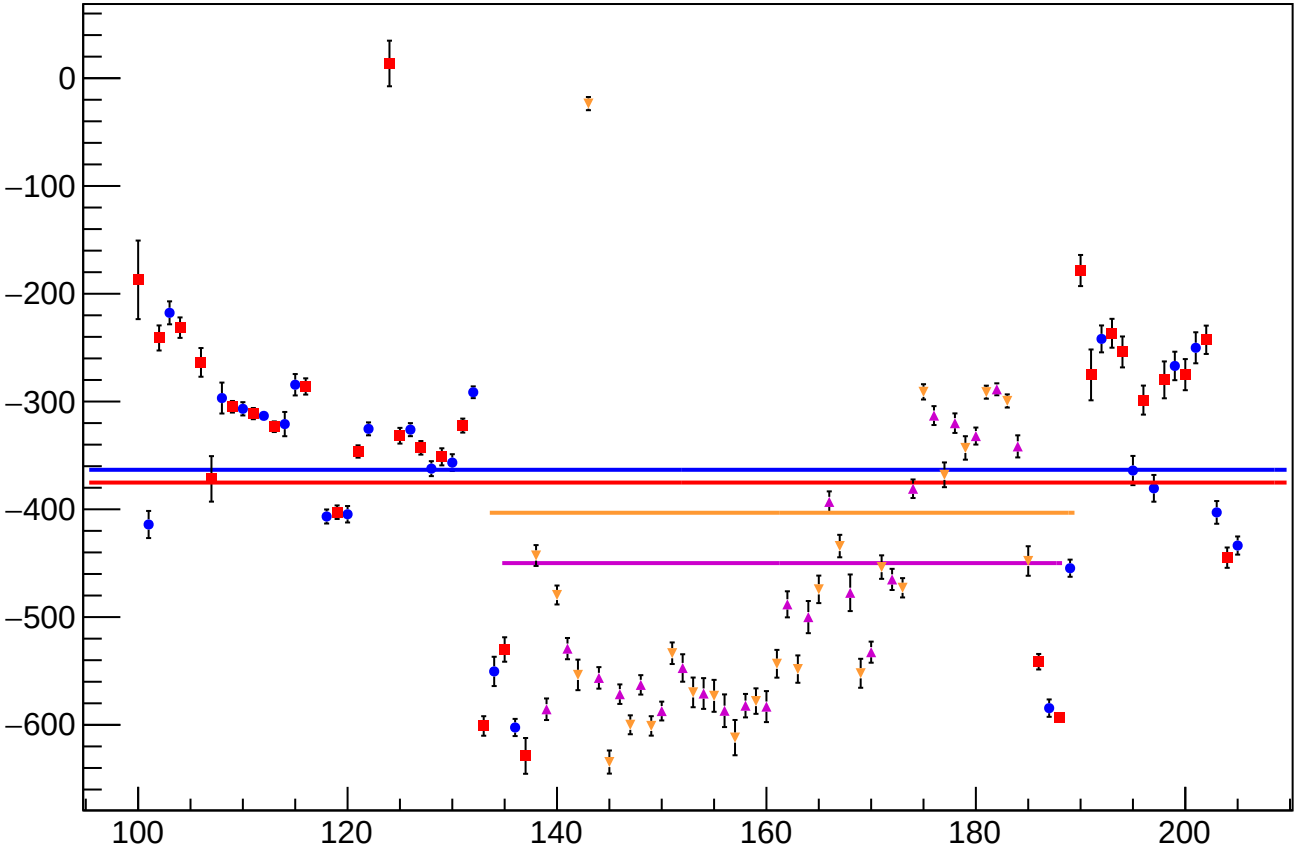
Right: -3.093+/-0.026 χ^2/NDF: 1066661.5/54

In: -14.411+/-0.018 χ^2/NDF:959661.3/47

Out: -13.991+/-0.017 χ^2/NDF:963822.9/54

All: -14.197+/-0.012 χ^2/NDF: 1923767.6/102

reg_asym_atl2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -363.338+/-1.615 χ^2/NDF: 3103.1/24

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -375.187+/-1.500 χ^2/NDF: 6347.5/29

Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

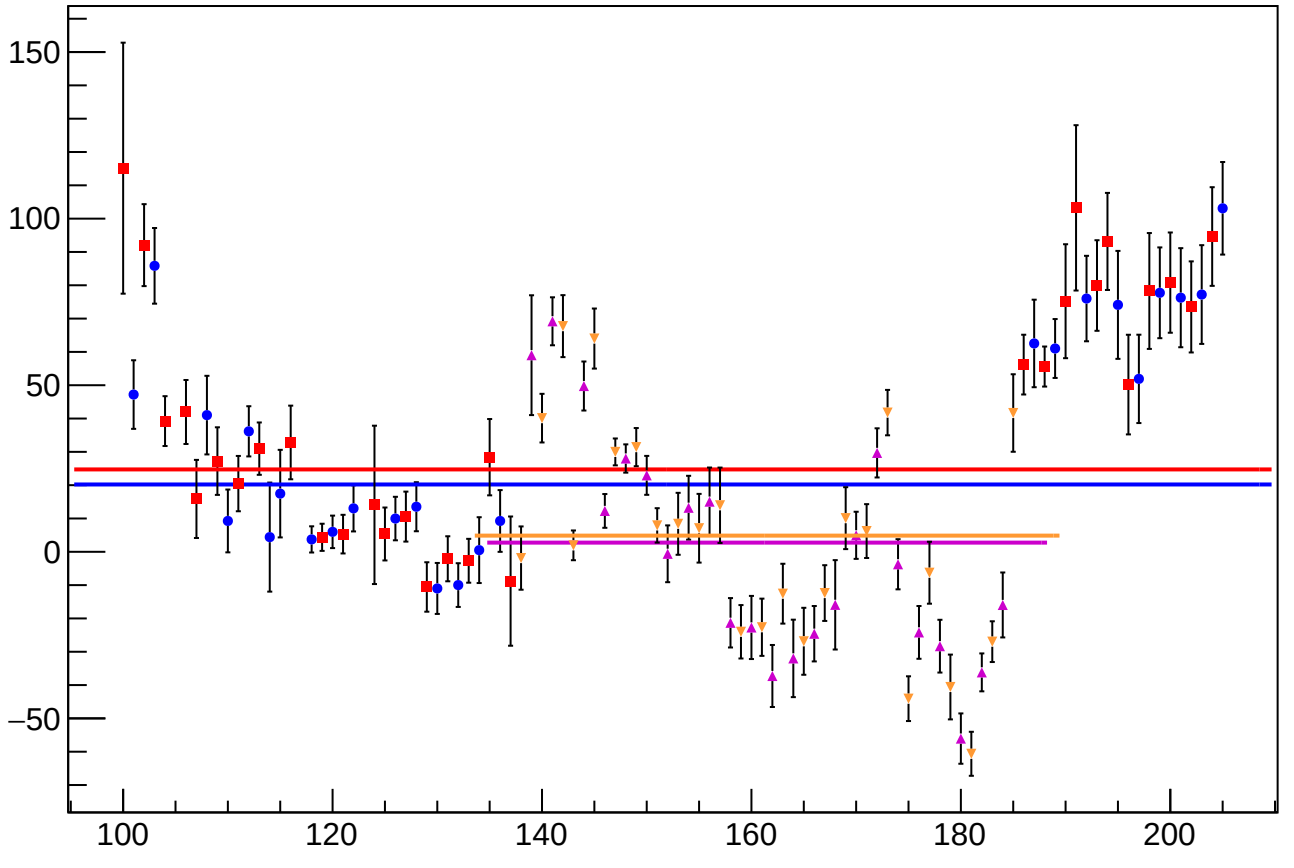
Left: -425.194+/-1.402 χ^2/NDF: 11245.8/47

Right: -369.697+/-1.099 χ^2/NDF: 9479.5/54

In: -396.620+/-1.267 χ^2/NDF:7427.2/47

Out: -385.752+/-1.184 χ^2/NDF:14229.2/54

All: -390.819+/-0.865 χ^2/NDF: 21695.7/102



Right In: 20.209+/-1.694 χ^2/NDF: 273.7/24

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 24.727+/-1.648 χ^2/NDF: 306.8/29

Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

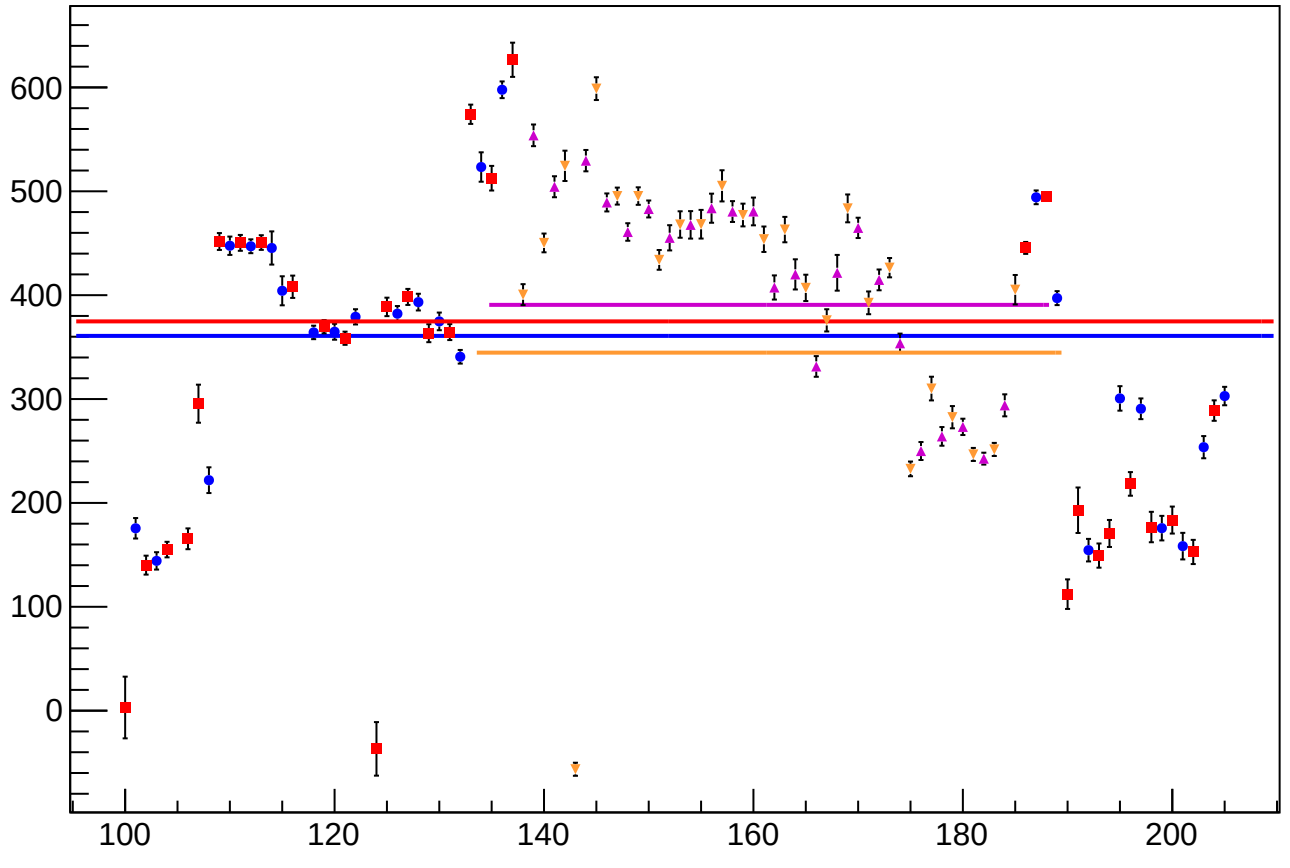
Left: 3.882+/-1.059 χ^2/NDF: 857.8/47

Right: 22.531+/-1.181 χ^2/NDF: 584.2/54

In: 10.731+/-1.145 χ^2/NDF:730.9/47

Out: 13.507+/-1.087 χ^2/NDF:846.1/54

All: 12.191+/-0.789 χ^2/NDF: 1580.1/102



Right In: 360.801+/-1.737 χ^2/NDF: 4007.6/24

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 374.761+/-1.565 χ^2/NDF: 6980.7/29

Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

Left: 366.451+/-1.396 χ^2/NDF: 10221.5/47

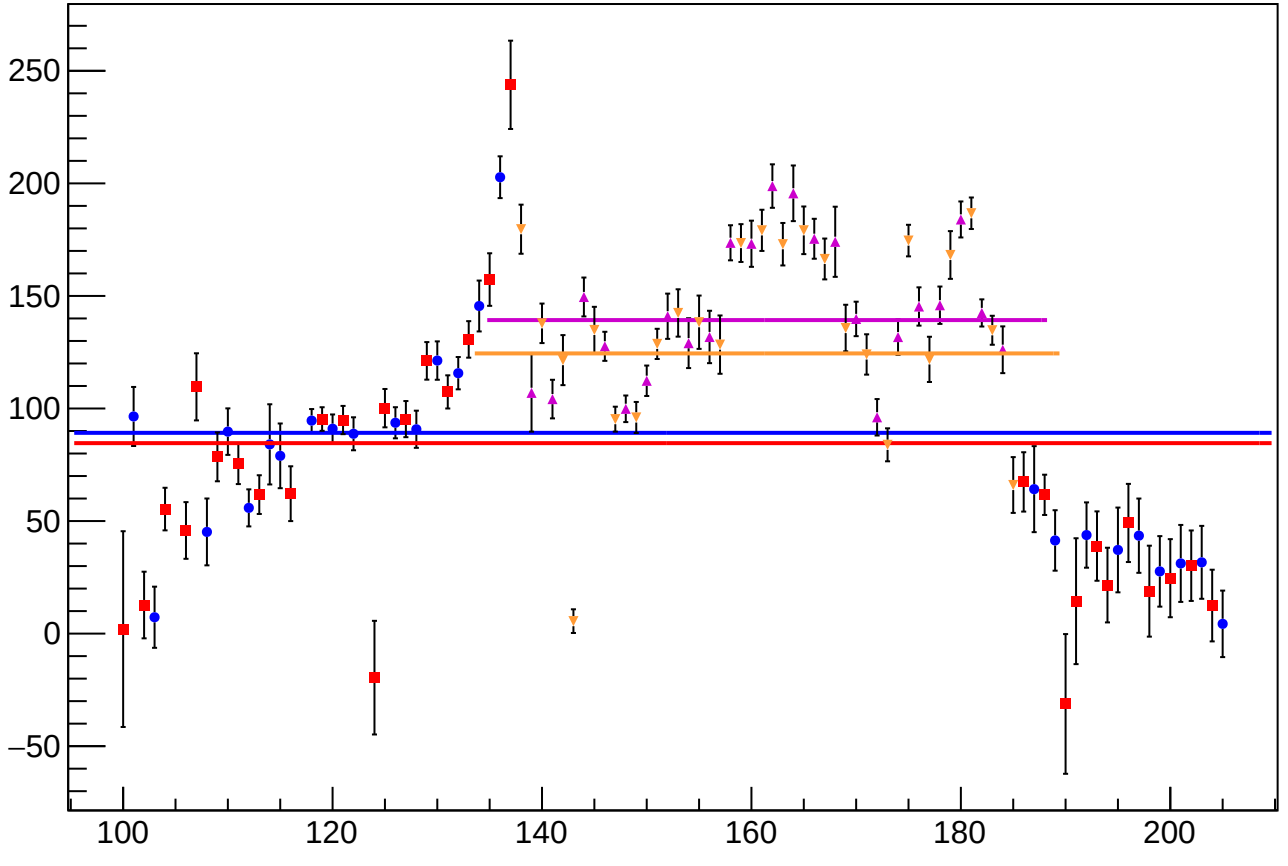
Right: 368.505+/-1.163 χ^2/NDF: 11024.0/54

In: 373.428+/-1.320 χ^2/NDF:6805.5/47

Out: 362.783+/-1.214 χ^2/NDF:14406.0/54

All: 367.664+/-0.893 χ^2/NDF: 21246.7/102

reg_asym_atl2_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 89.187+/-1.988 χ^2/NDF: 378.5/24

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 84.611+/-1.945 χ^2/NDF: 366.7/29

Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

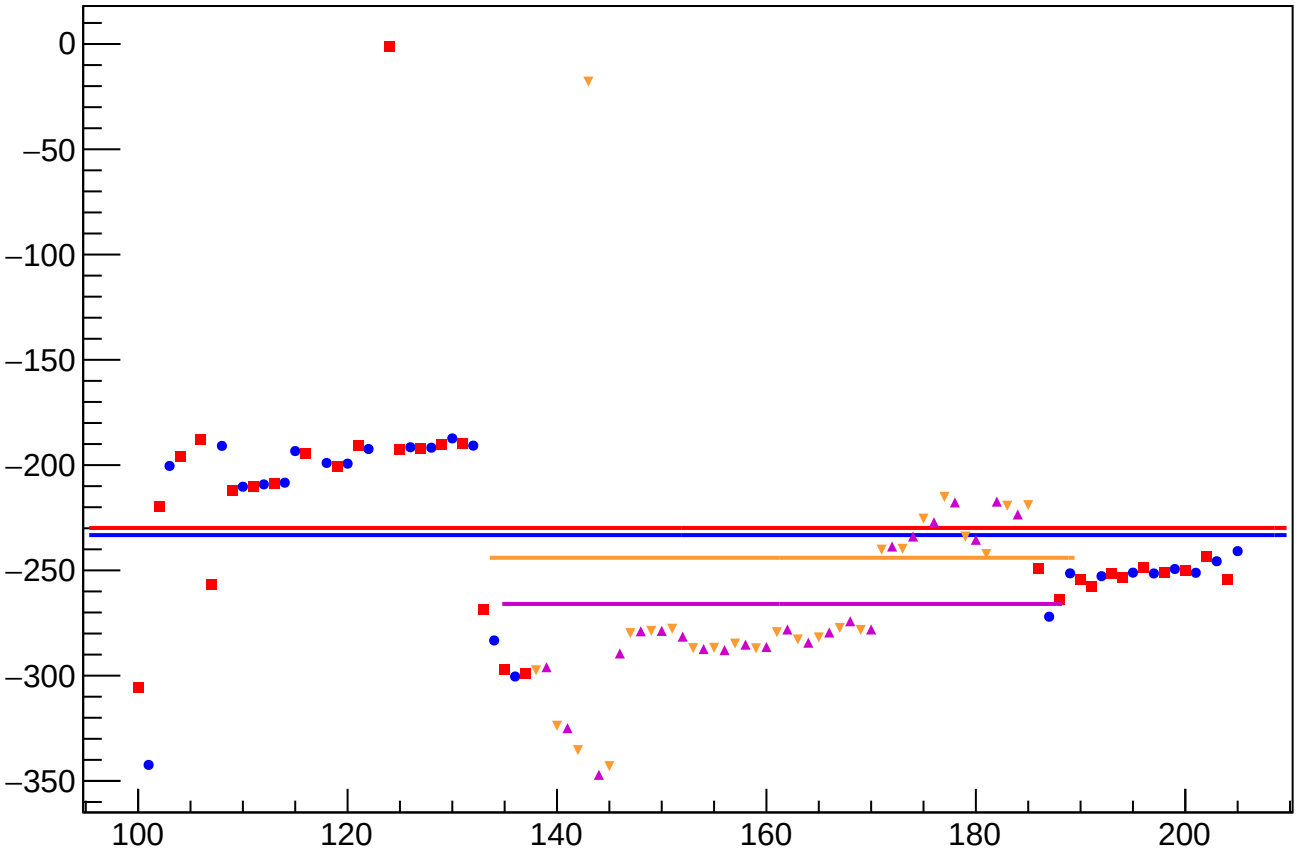
Left: 131.406+/-1.211 χ^2/NDF: 1235.7/47

Right: 86.849+/-1.391 χ^2/NDF: 747.9/54

In: 117.139+/-1.322 χ^2/NDF:993.5/47

Out: 107.653+/-1.264 χ^2/NDF:1546.9/54

All: 112.183+/-0.913 χ^2/NDF: 2567.3/102



Right In: -233.245+/-0.111 χ^2/NDF: 135697.4/24

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.850+/-0.105 χ^2/NDF: 111194.3/29

Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

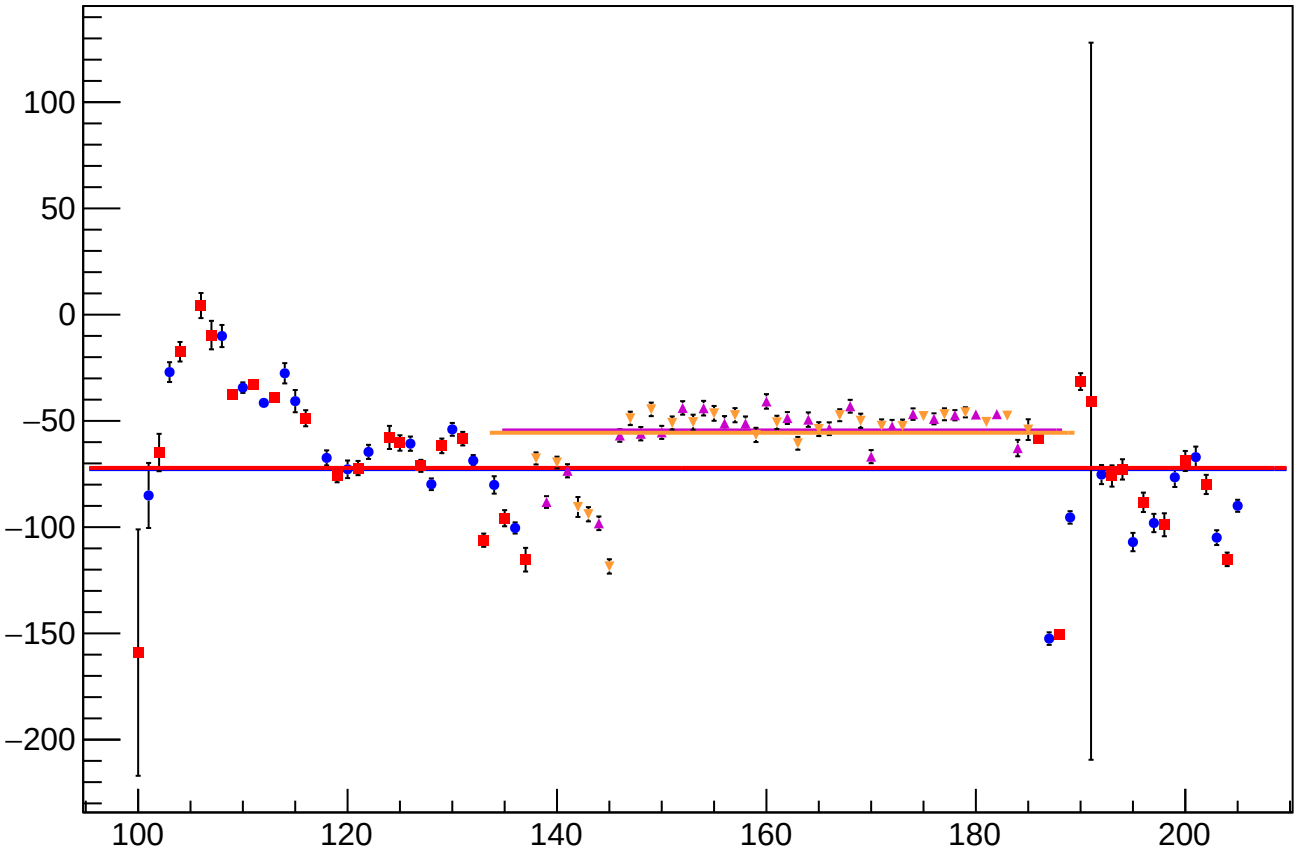
Left: -254.542+/-0.056 χ^2/NDF: 1206480.5/47

Right: -231.460+/-0.076 χ^2/NDF: 247384.0/54

In: -254.666+/-0.065 χ^2/NDF:362555.9/47

Out: -239.059+/-0.062 χ^2/NDF:1120910.4/54

All: -246.518+/-0.045 χ^2/NDF: 1513418.1/10



Right In: -72.690+/-0.684 χ^2/NDF: 2009.4/24

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -72.116+/-0.611 χ^2/NDF: 3952.7/29

Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

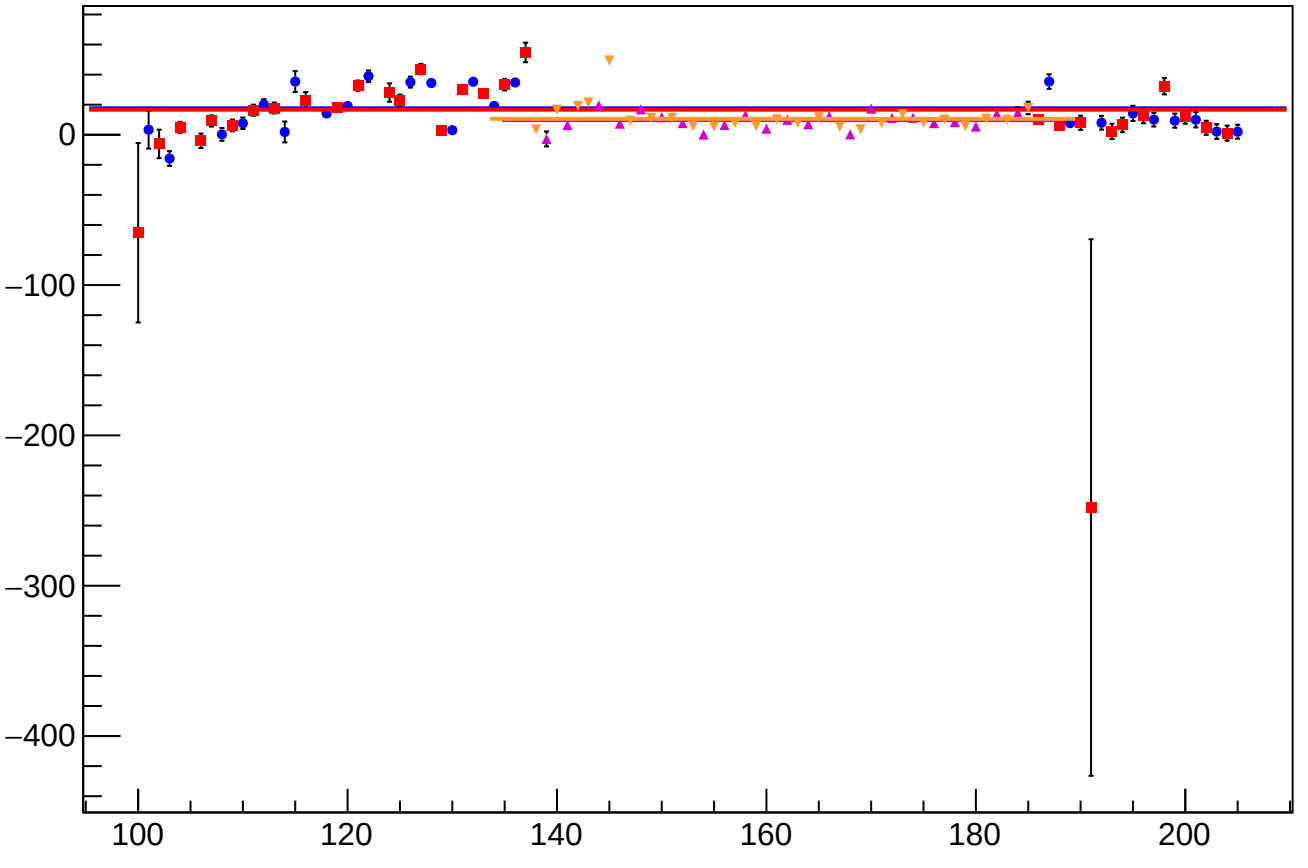
Left: -55.052+/-0.423 χ^2/NDF: 1188.5/47

Right: -72.371+/-0.456 χ^2/NDF: 5962.5/54

In: -62.503+/-0.454 χ^2/NDF:2905.9/47

Out: -63.552+/-0.425 χ^2/NDF:5018.1/54

All: -63.062+/-0.310 χ^2/NDF: 7926.9/102



Right In: 17.581+/-0.751 χ^2/NDF: 311.2/24

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 16.683+/-0.689 χ^2/NDF: 319.1/29

Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

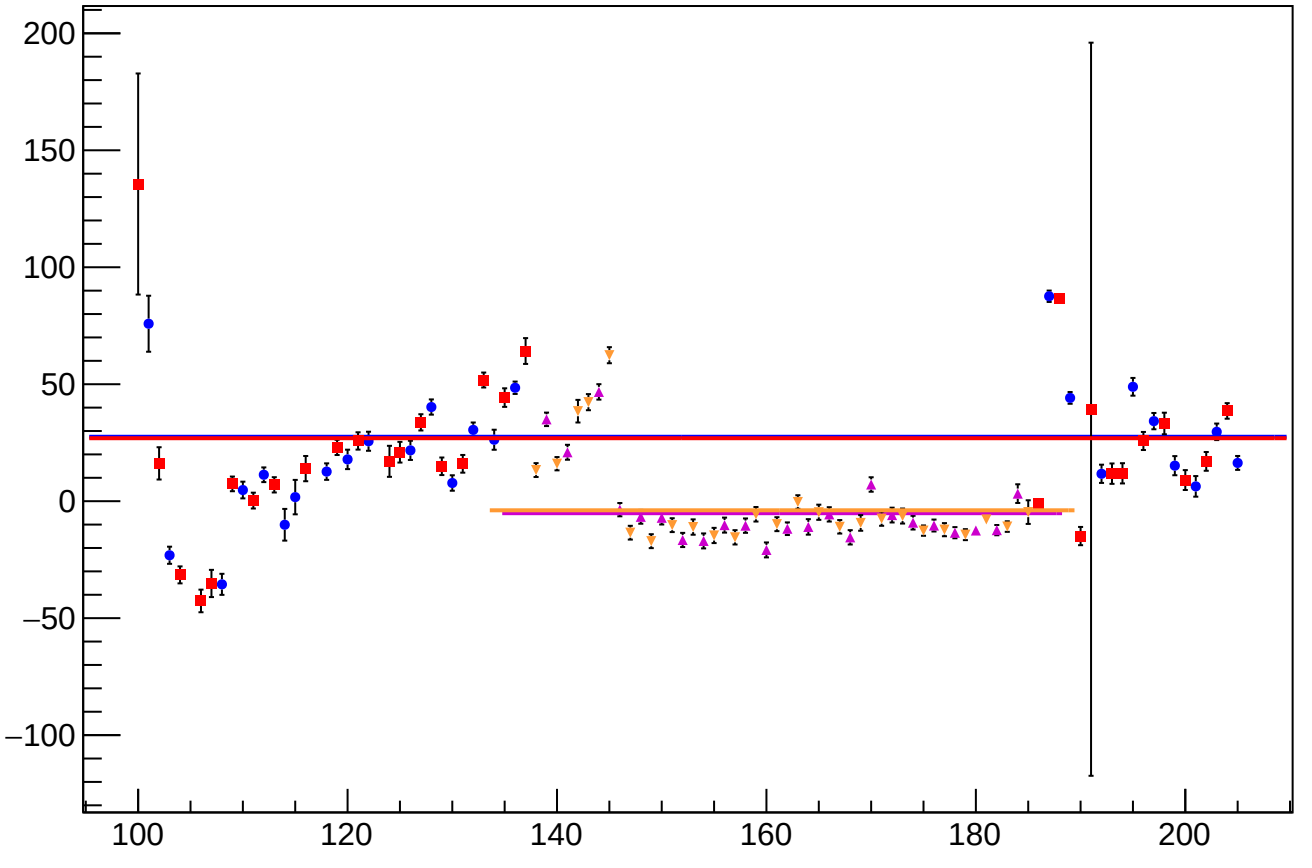
Left: 10.200+/-0.324 χ^2/NDF: 377.8/47

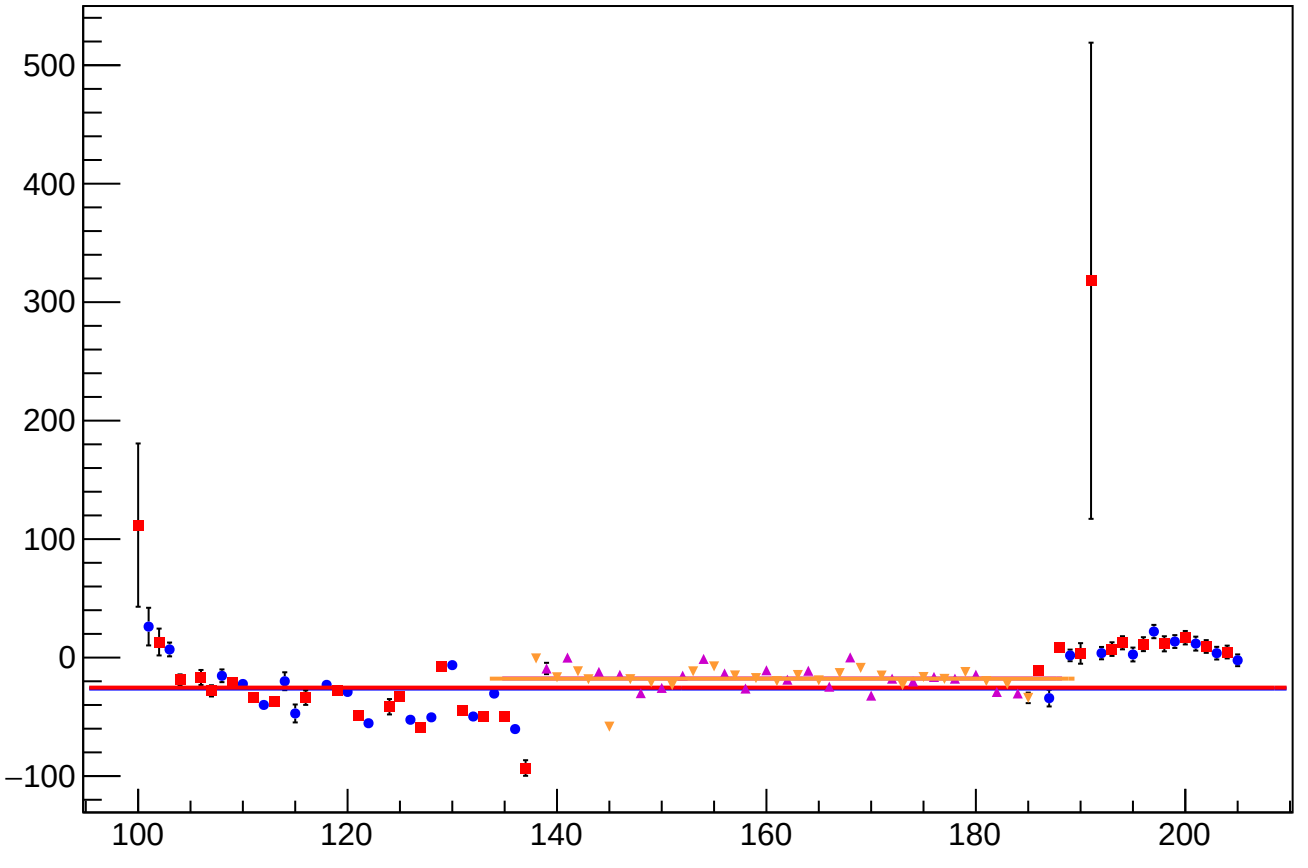
Right: 17.093+/-0.508 χ^2/NDF: 631.1/54

In: 11.943+/-0.397 χ^2/NDF:510.3/47

Out: 12.418+/-0.376 χ^2/NDF:628.9/54

All: 12.193+/-0.273 χ^2/NDF: 1140.0/102


reg_asym_atr1_diff_bpm4eX_slope vs Slug, Sign Corrected
200
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 27.537+/-0.717 χ²/NDF: 1408.5/24
Left Out: -3.895+/-0.585 χ²/NDF:850.2/24
Right Out: 26.921+/-0.615 χ²/NDF: 3317.3/29
Left In: -5.124+/-0.600 χ²/NDF:649.7/22
Left: -4.494+/-0.419 χ²/NDF: 1502.0/47
Right: 27.182+/-0.467 χ²/NDF: 4726.2/54
In: 8.309+/-0.460 χ²/NDF:3278.5/47
Out: 10.757+/-0.424 χ²/NDF:5486.5/54
All: 9.633+/-0.312 χ²/NDF: 8780.3/102



Right In: -26.146+/-0.871 χ^2/NDF: 738.7/24

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -25.345+/-0.825 χ^2/NDF: 849.2/29

Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

Left: -17.712+/-0.366 χ^2/NDF: 537.5/47

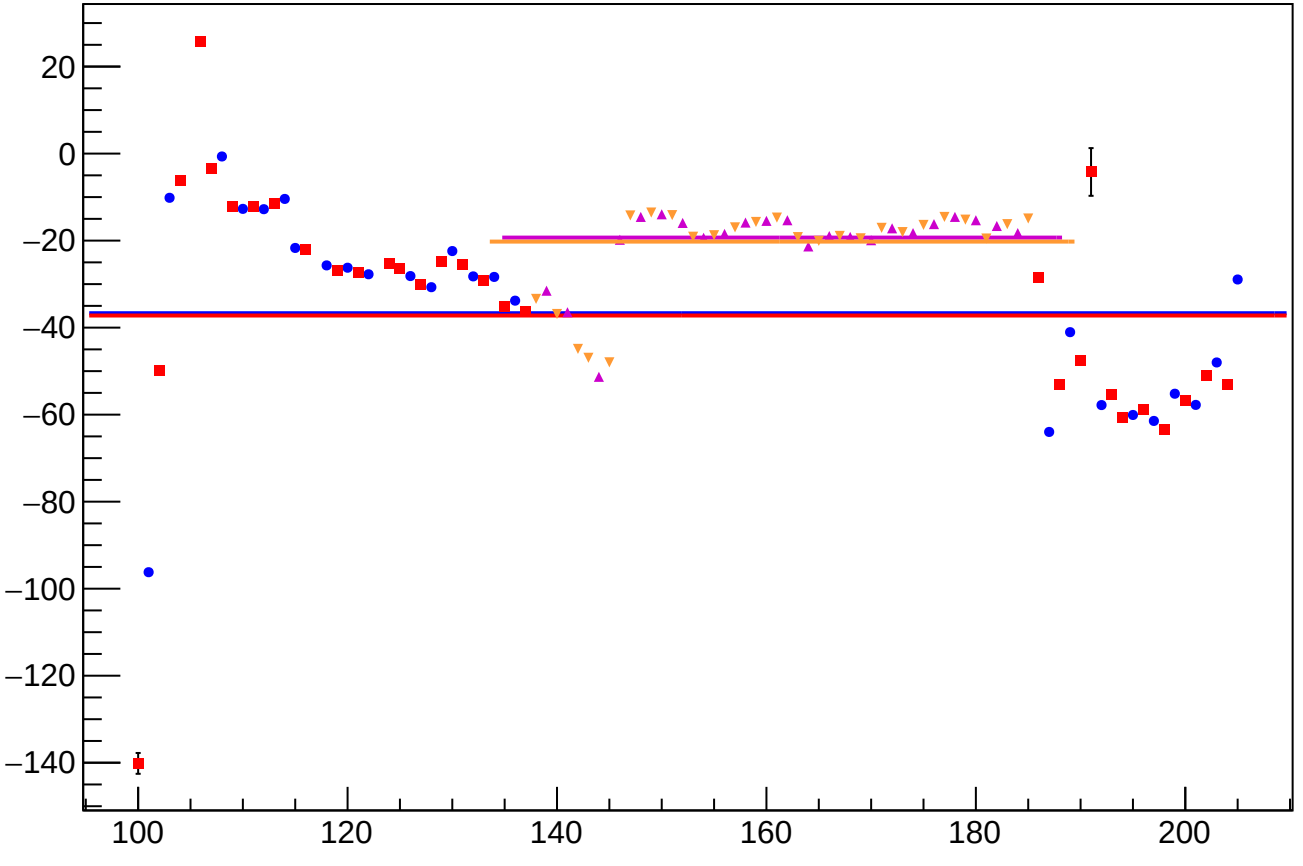
Right: -25.724+/-0.599 χ^2/NDF: 1588.4/54

In: -19.915+/-0.450 χ^2/NDF:1094.4/47

Out: -19.861+/-0.433 χ^2/NDF:1161.8/54

All: -19.887+/-0.312 χ^2/NDF: 2256.2/102

reg_asym_atr1_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -36.690+/-0.043 χ^2/NDF: 198415.2/24

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -37.216+/-0.042 χ^2/NDF: 275071.4/29

Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

Left: -19.776+/-0.016 χ^2/NDF: 241234.1/47

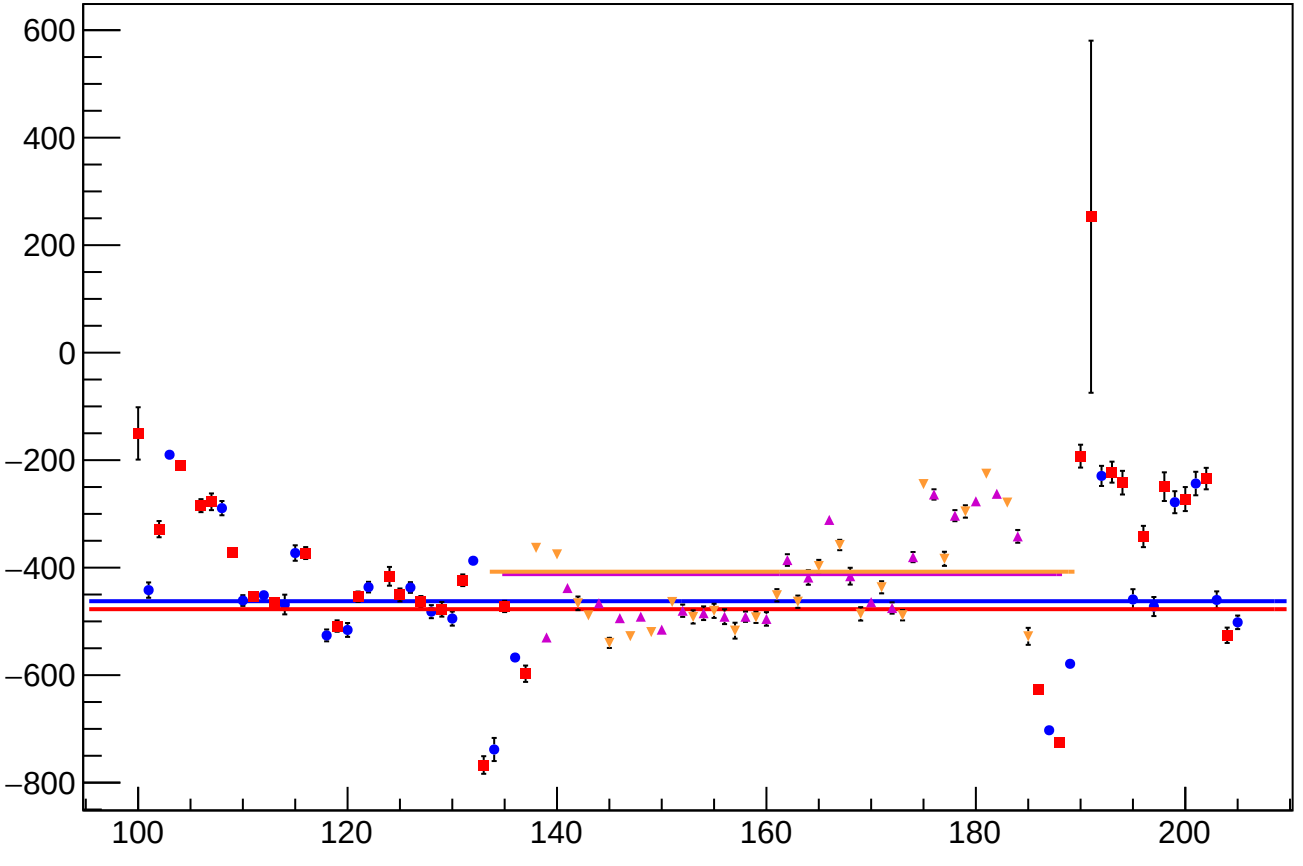
Right: -36.960+/-0.030 χ^2/NDF: 473563.8/54

In: -23.265+/-0.020 χ^2/NDF:418486.6/47

Out: -24.147+/-0.020 χ^2/NDF:549912.7/54

All: -23.715+/-0.014 χ^2/NDF: 969349.5/102

reg_asym_atr2_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -462.432+/-2.322 χ^2/NDF: 2816.2/24

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -477.269+/-2.058 χ^2/NDF: 6089.1/29

Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

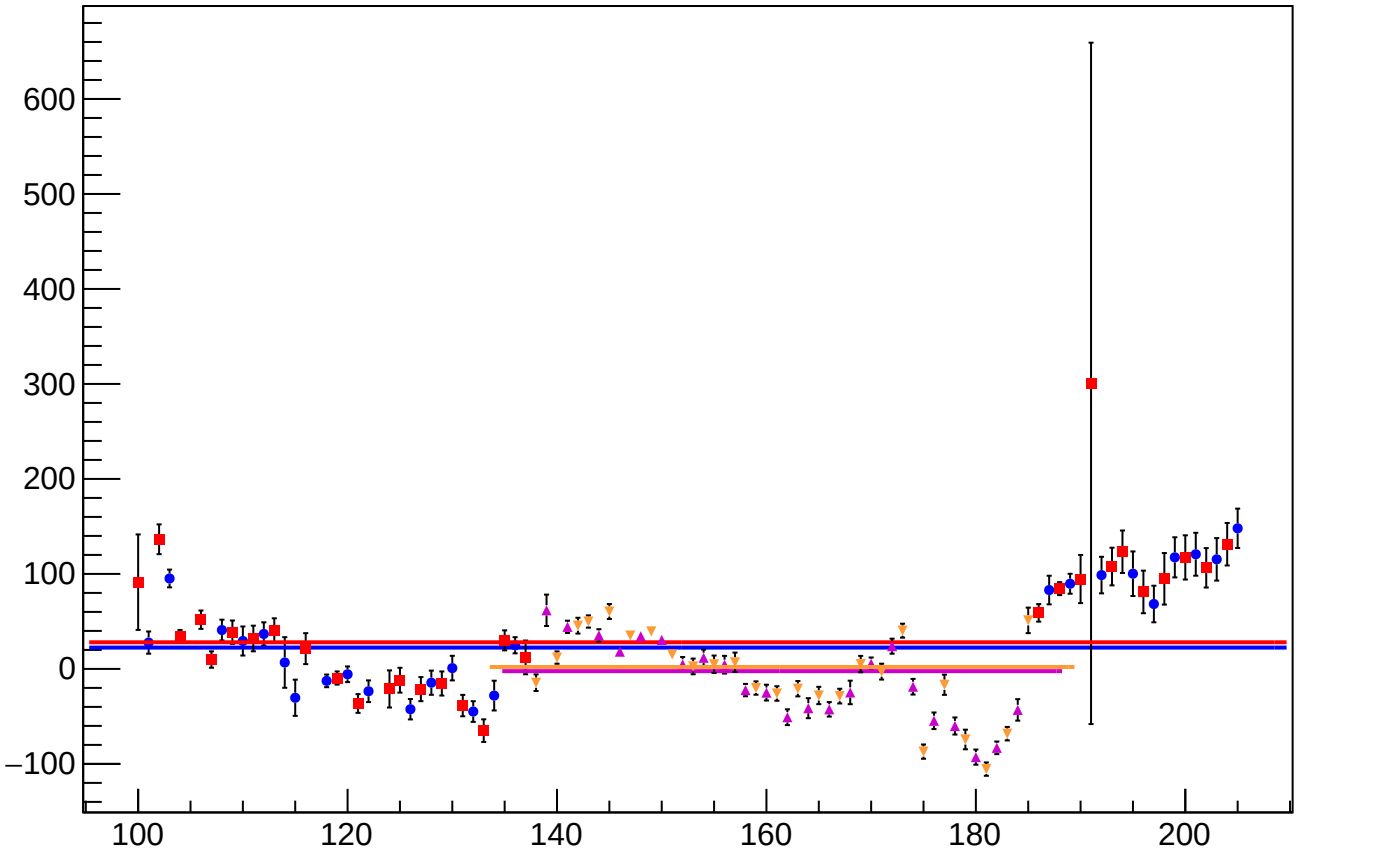
Left: -409.762+/-1.399 χ^2/NDF: 5057.5/47

Right: -470.741+/-1.540 χ^2/NDF: 8928.2/54

In: -433.646+/-1.519 χ^2/NDF:5267.4/47

Out: -440.558+/-1.416 χ^2/NDF:9566.1/54

All: -437.344+/-1.036 χ^2/NDF: 14844.6/102



Right In: 22.442+/-2.472 χ^2/NDF: 408.0/24

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 28.016+/-2.225 χ^2/NDF: 458.2/29

Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

Left: -0.080+/-1.028 χ^2/NDF: 1648.7/47

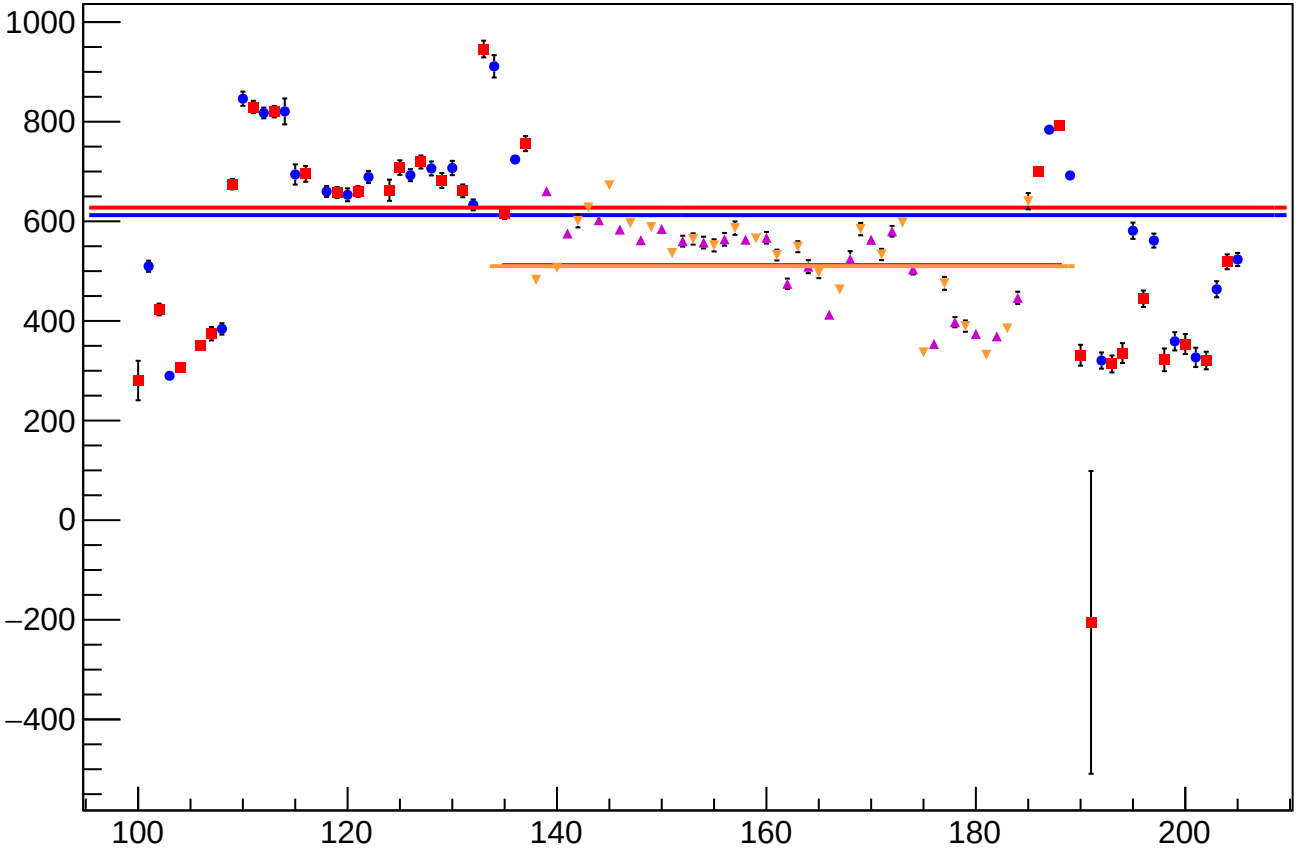
Right: 25.521+/-1.654 χ^2/NDF: 869.0/54

In: 4.196+/-1.271 χ^2/NDF:1215.4/47

Out: 9.597+/-1.201 χ^2/NDF:1465.5/54

All: 7.051+/-0.873 χ^2/NDF: 2690.5/102

reg_asym_atr2_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 612.377+/-2.350 χ^2/NDF: 5379.7/24

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 627.455+/-2.010 χ^2/NDF: 8621.3/29

Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

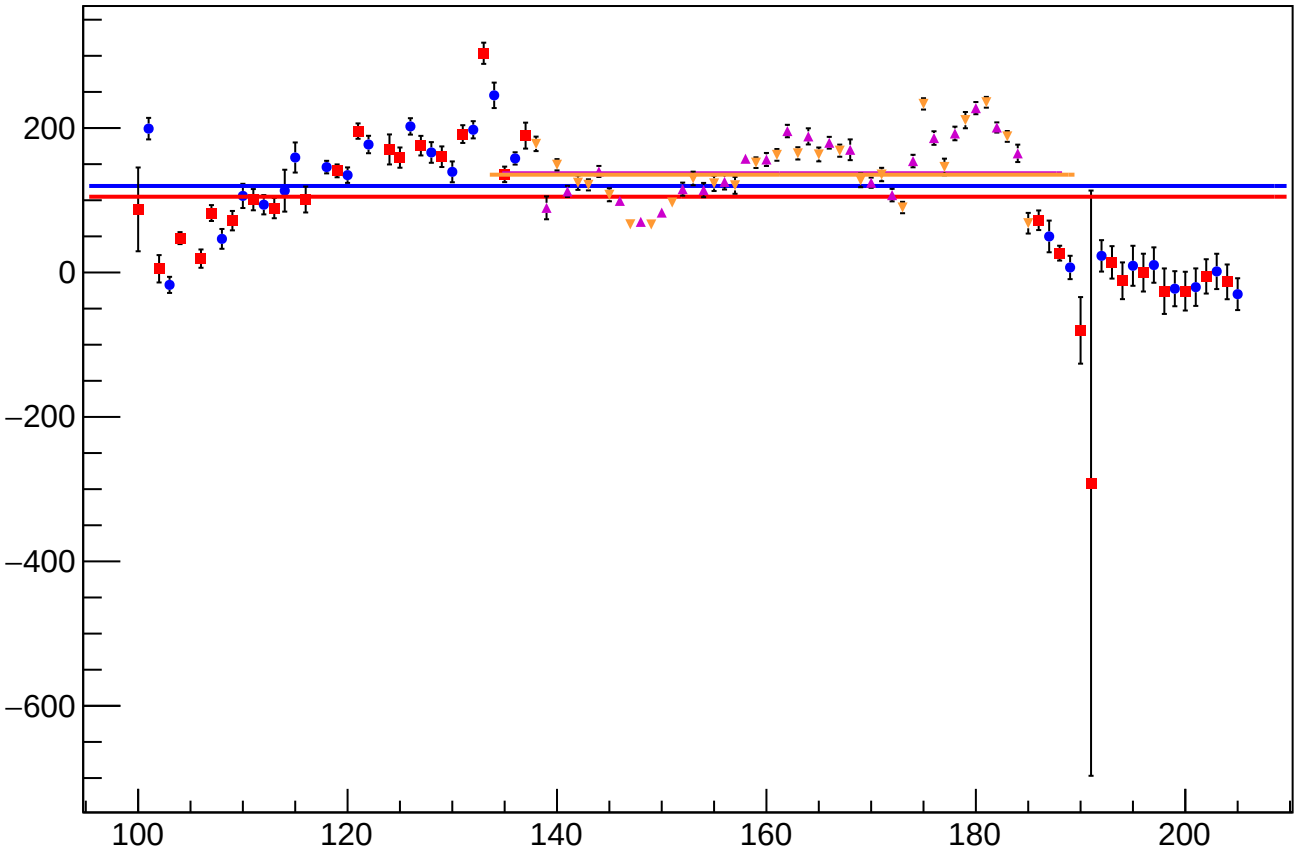
Left: 511.062+/-1.385 χ^2/NDF: 4751.0/47

Right: 621.084+/-1.528 χ^2/NDF: 14024.8/54

In: 553.921+/-1.516 χ^2/NDF:8526.8/47

Out: 566.458+/-1.394 χ^2/NDF:13057.9/54

All: 560.713+/-1.026 χ^2/NDF: 21621.7/102



Right In: 119.786+/-2.904 χ^2/NDF: 675.3/24

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 104.904+/-2.683 χ^2/NDF: 773.2/29

Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

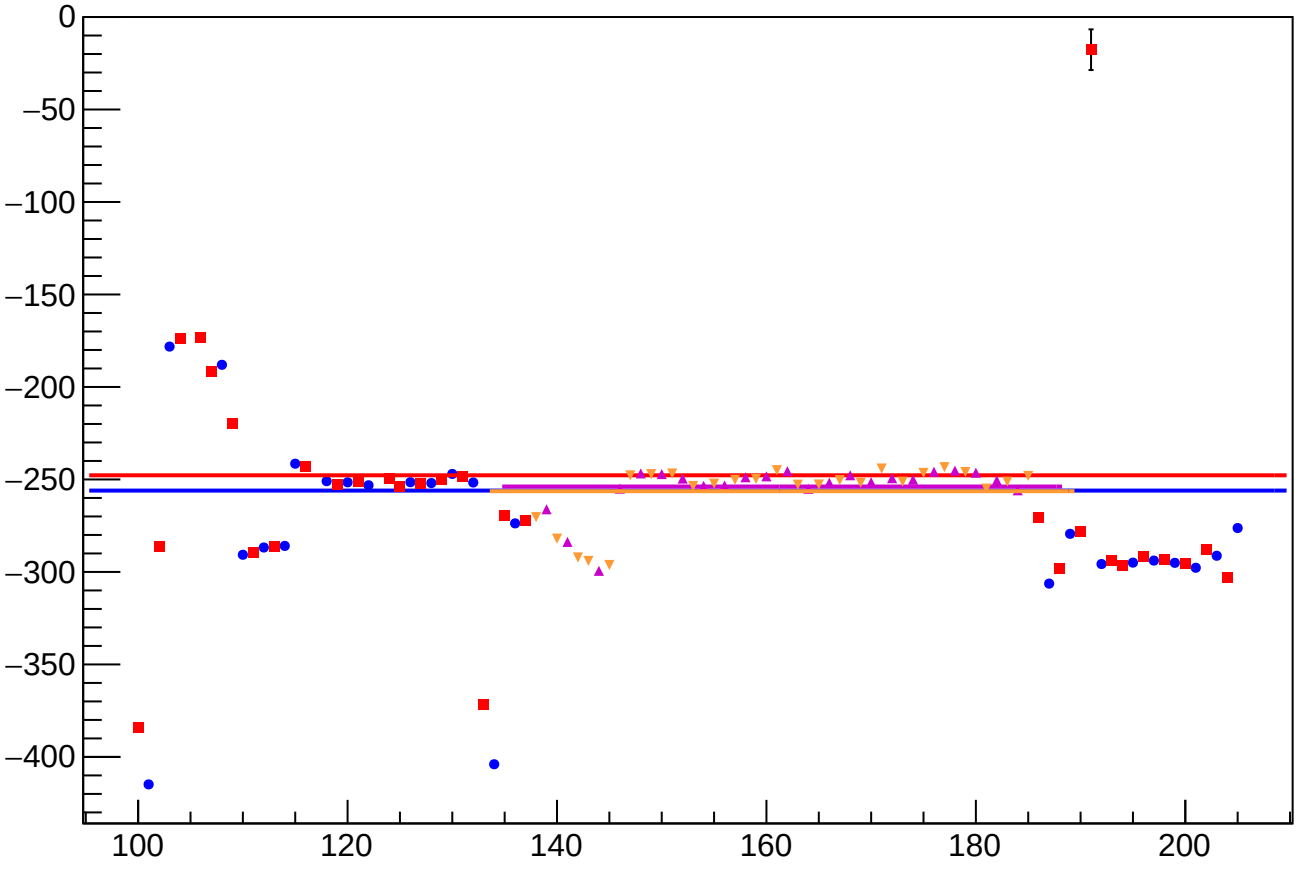
Left: 136.359+/-1.184 χ^2/NDF: 1629.8/47

Right: 111.756+/-1.970 χ^2/NDF: 1462.7/54

In: 132.876+/-1.468 χ^2/NDF:1408.6/47

Out: 127.043+/-1.405 χ^2/NDF:1790.2/54

All: 129.830+/-1.015 χ^2/NDF: 3207.0/102



Right In: -256.014+/-0.140 χ^2/NDF: 197834.9/24

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -247.749+/-0.133 χ^2/NDF: 148394.7/29

Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

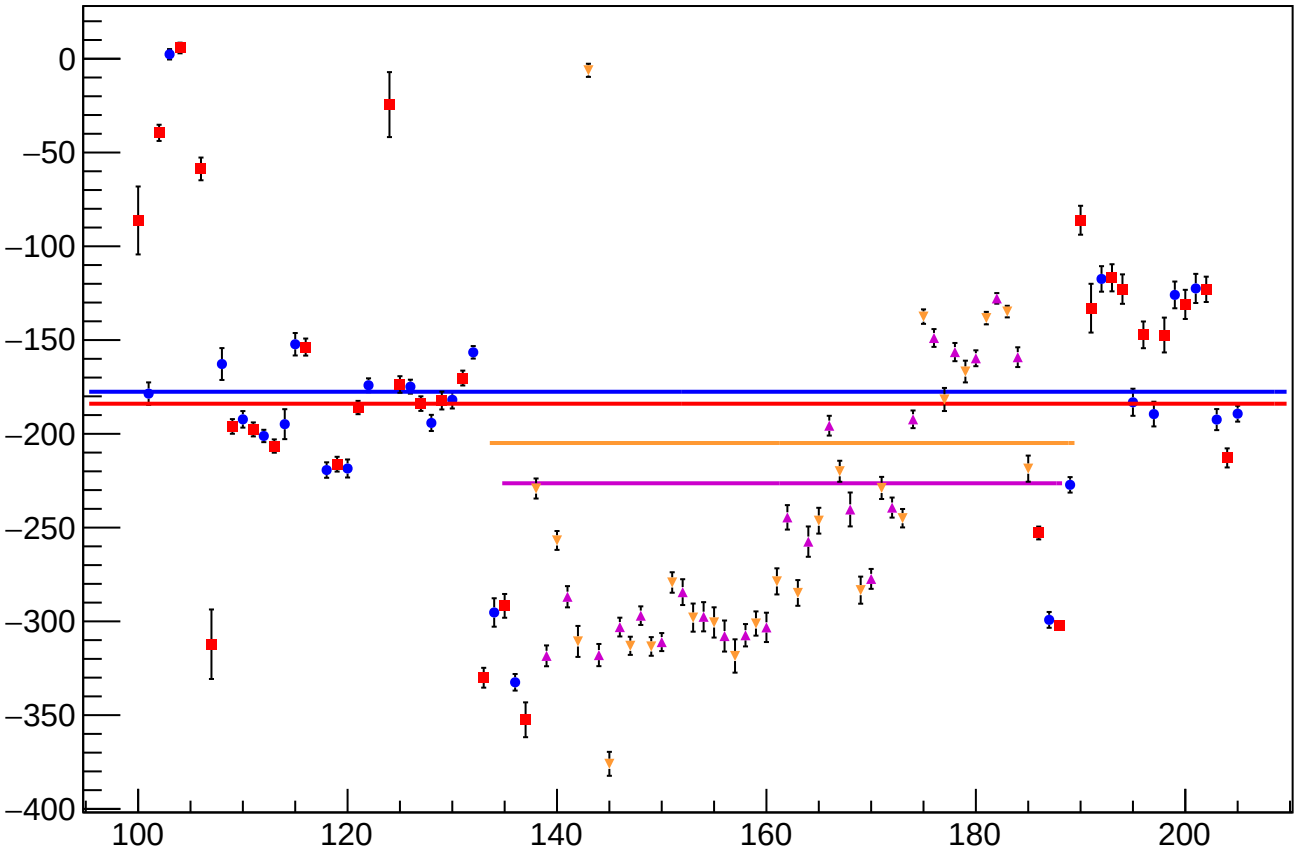
Left: -255.094+/-0.055 χ^2/NDF: 64122.7/47

Right: -251.682+/-0.096 χ^2/NDF: 348059.7/54

In: -254.337+/-0.068 χ^2/NDF:222100.0/47

Out: -254.193+/-0.067 χ^2/NDF:191026.4/54

All: -254.263+/-0.048 χ^2/NDF: 413128.7/102



Right In: -177.563+/-0.926 χ^2/NDF: 7155.9/24

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -183.943+/-0.855 χ^2/NDF: 11389.1/29

Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

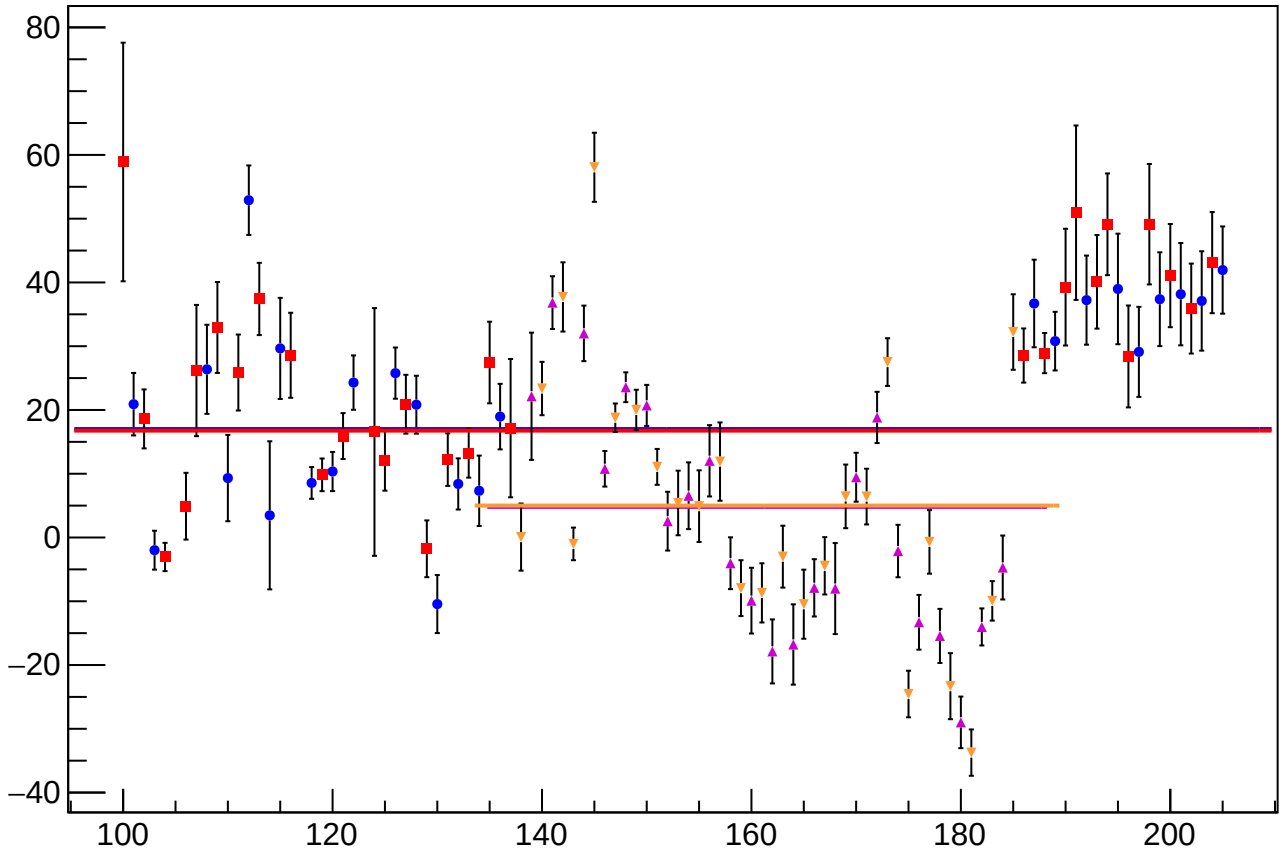
Left: -215.101+/-0.762 χ^2/NDF: 12243.4/47

Right: -181.005+/-0.628 χ^2/NDF: 18570.6/54

In: -197.694+/-0.710 χ^2/NDF:12520.9/47

Out: -192.280+/-0.664 χ^2/NDF:19454.1/54

All: -194.806+/-0.485 χ^2/NDF: 32006.1/102



Right In: 17.000+/-0.973 χ^2/NDF: 228.2/24

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 16.762+/-0.906 χ^2/NDF: 248.9/29

Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

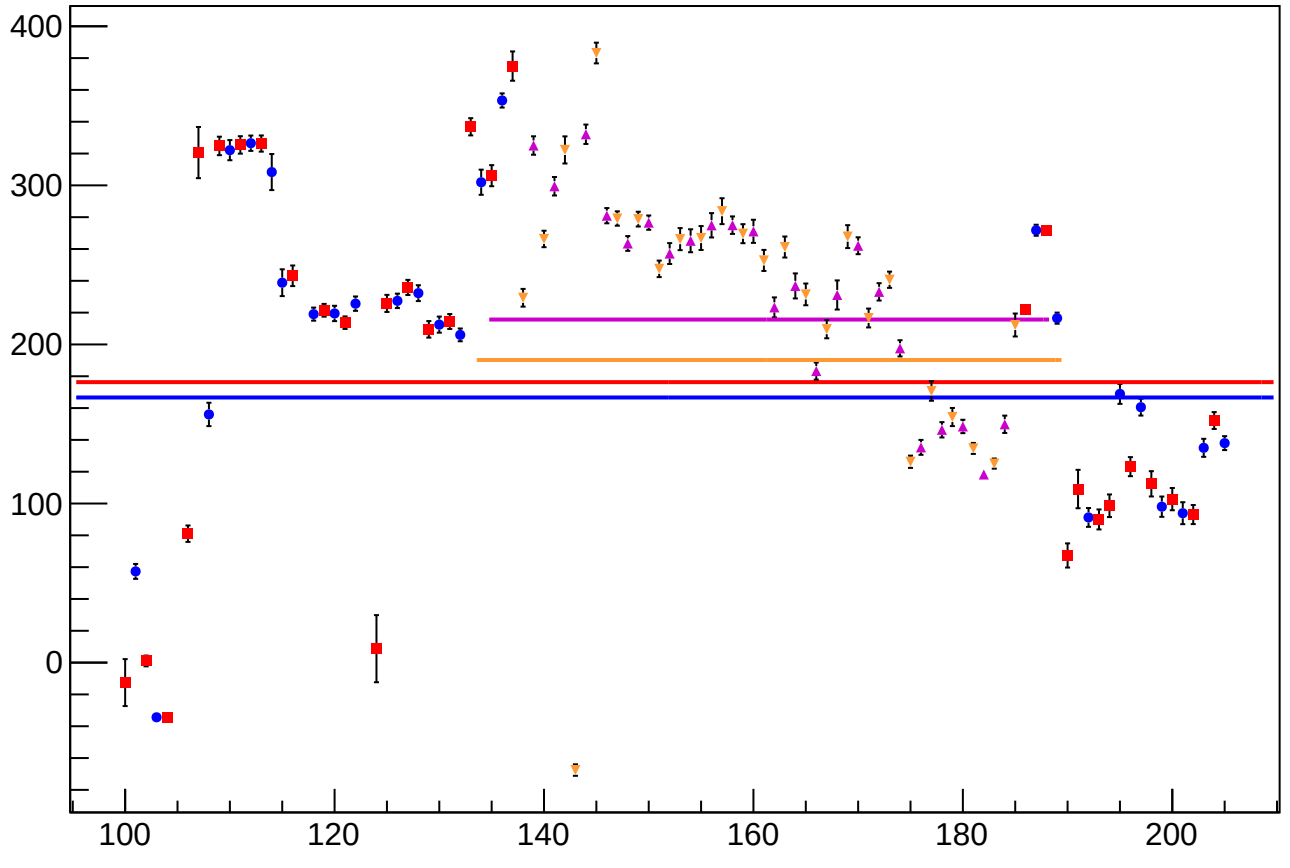
Left: 4.909+/-0.579 χ^2/NDF: 974.8/47

Right: 16.873+/-0.663 χ^2/NDF: 477.1/54

In: 10.057+/-0.638 χ^2/NDF:744.0/47

Out: 10.108+/-0.597 χ^2/NDF:892.7/54

All: 10.084+/-0.436 χ^2/NDF: 1636.7/102



Right In: 166.657+/-0.931 χ^2/NDF: 15567.7/24

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 176.303+/-0.831 χ^2/NDF: 20845.9/29

Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

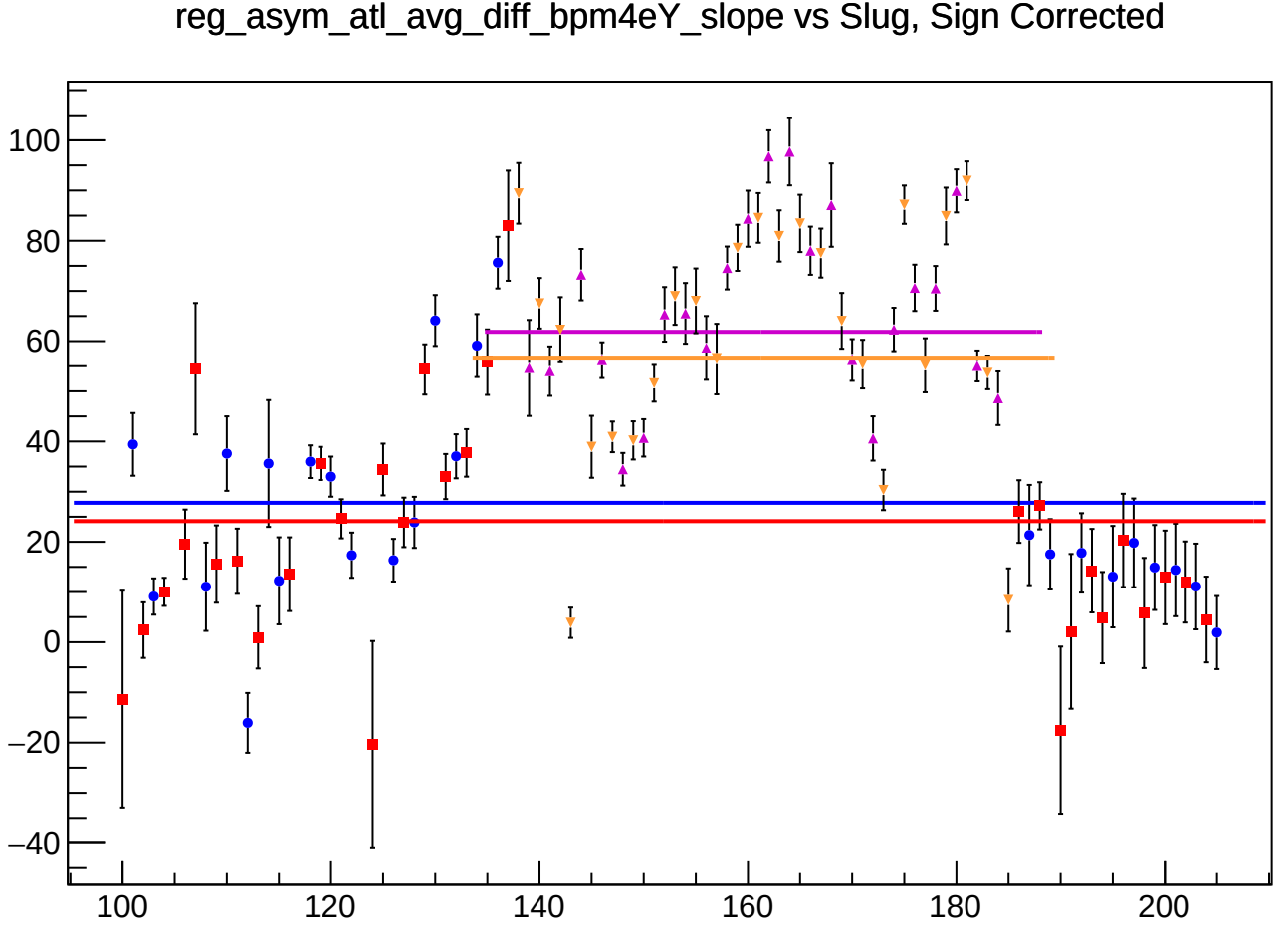
Left: 202.363+/-0.759 χ^2/NDF: 13550.1/47

Right: 172.023+/-0.620 χ^2/NDF: 36473.4/54

In: 187.129+/-0.710 χ^2/NDF:20612.1/47

Out: 181.664+/-0.652 χ^2/NDF:30337.8/54

All: 184.163+/-0.480 χ^2/NDF: 50982.1/102



Right In: 27.781+/-1.145 χ^2/NDF: 309.6/24

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 24.121+/-1.088 χ^2/NDF: 216.5/29

Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

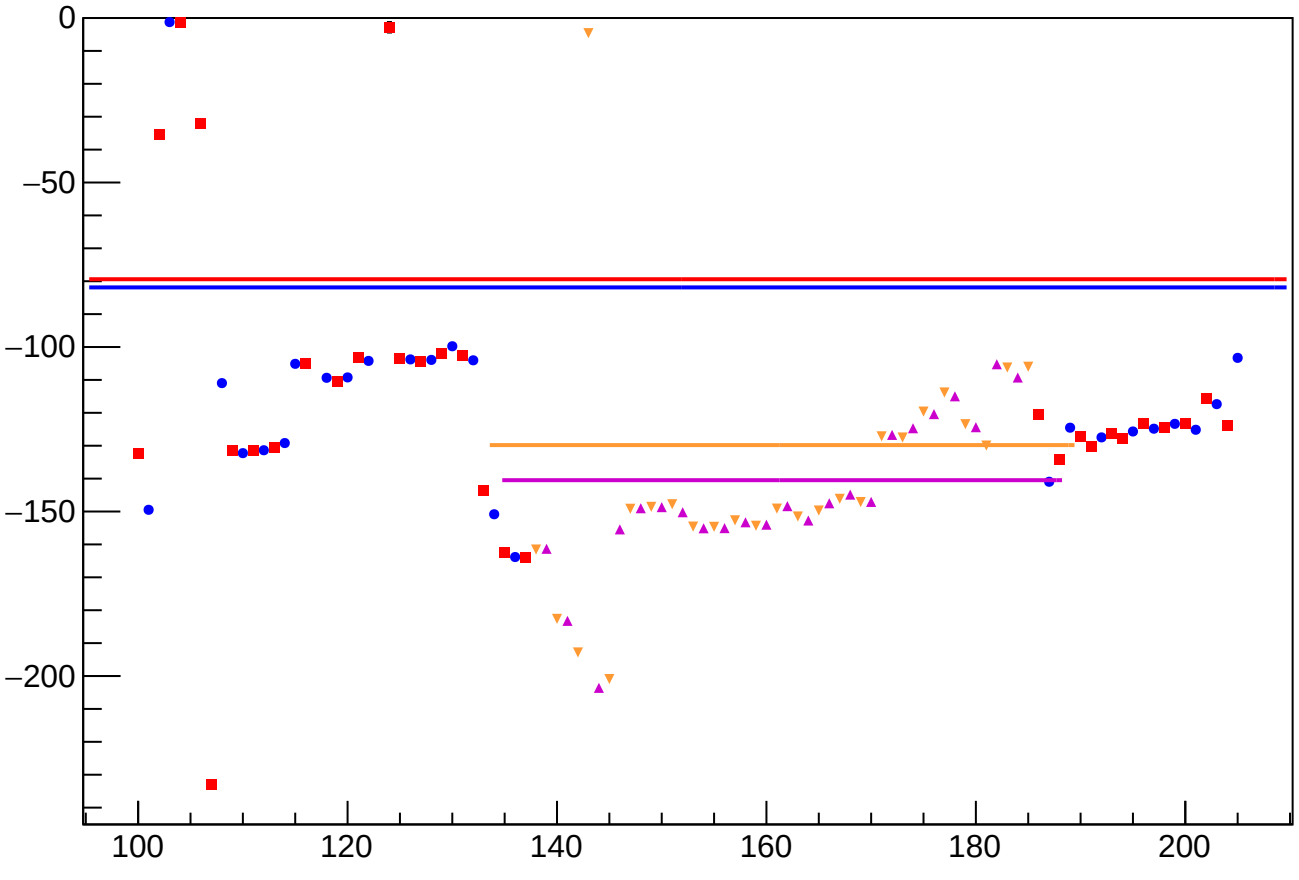
Left: 59.032+/-0.661 χ^2/NDF: 1135.8/47

Right: 25.857+/-0.789 χ^2/NDF: 531.6/54

In: 47.763+/-0.736 χ^2/NDF:1149.5/47

Out: 43.194+/-0.697 χ^2/NDF:1537.6/54

All: 45.355+/-0.506 χ^2/NDF: 2707.4/102



Right In: -81.881+/-0.054 χ^2/NDF: 1295209.0/24

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -79.397+/-0.051 χ^2/NDF: 1254212.4/29

Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

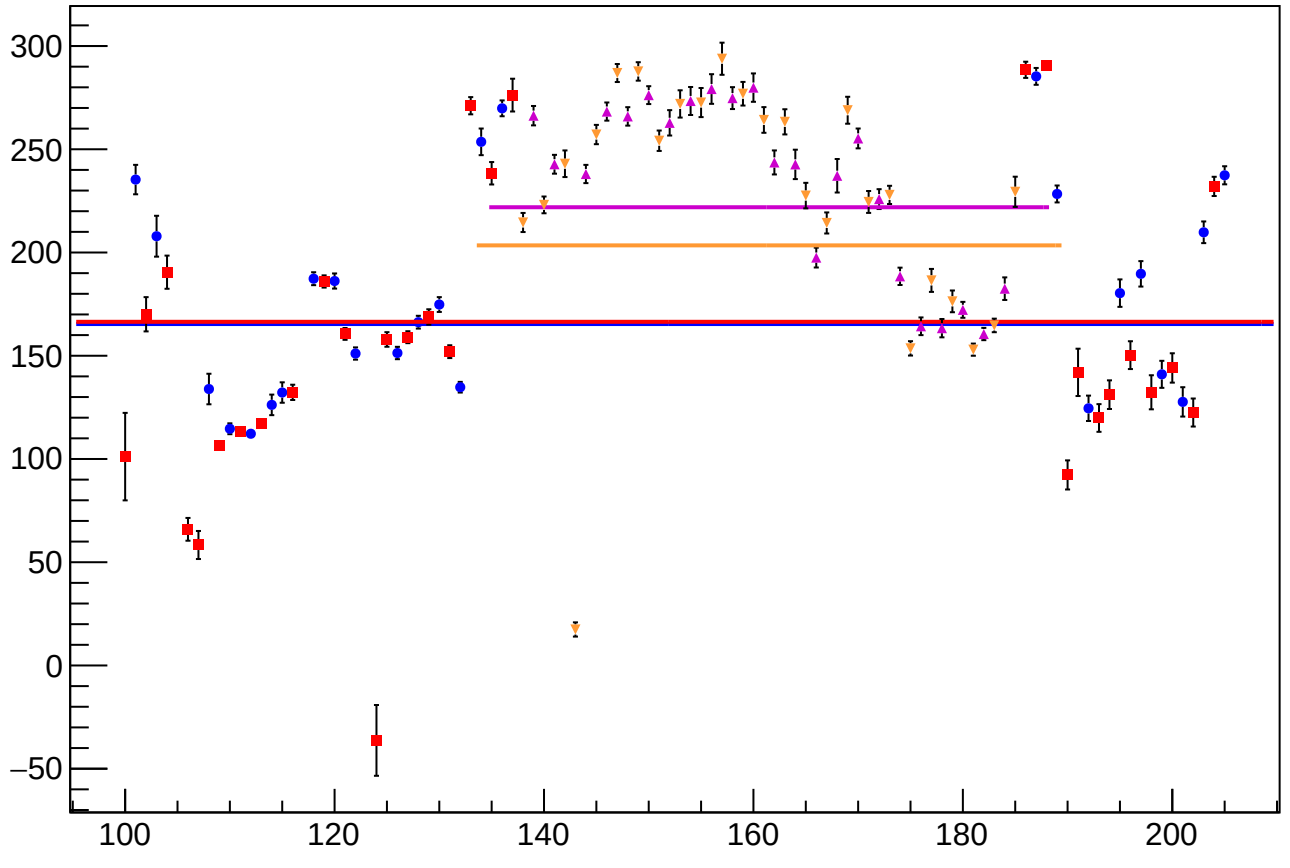
Left: -134.957+/-0.030 χ^2/NDF: 1310696.7/47

Right: -80.583+/-0.037 χ^2/NDF: 2550544.0/54

In: -117.085+/-0.034 χ^2/NDF:2268687.7/47

Out: -109.451+/-0.033 χ^2/NDF:2856674.5/54

All: -113.119+/-0.023 χ^2/NDF: 5151786.1/10



Right In: 165.355+/-0.778 χ^2/NDF: 3998.4/24

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 166.441+/-0.719 χ^2/NDF: 8294.9/29

Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

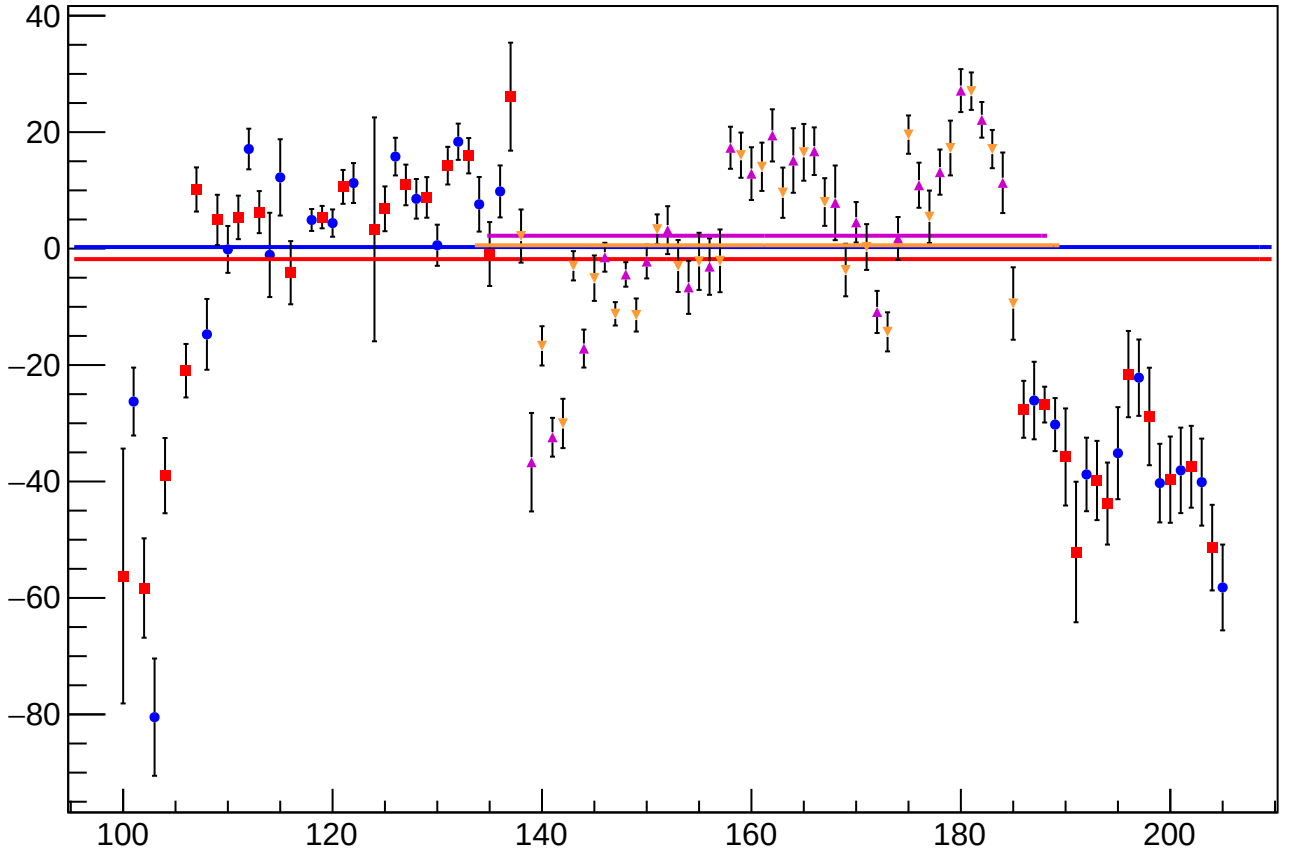
Left: 212.217+/-0.691 χ^2/NDF: 7656.5/47

Right: 165.941+/-0.528 χ^2/NDF: 12294.4/54

In: 186.621+/-0.615 χ^2/NDF:7970.5/47

Out: 179.863+/-0.574 χ^2/NDF:14747.8/54

All: 183.009+/-0.420 χ^2/NDF: 22782.9/102



Right In: 0.262+/-0.824 χ^2/NDF: 493.0/24

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -1.807+/-0.800 χ^2/NDF: 558.9/29

Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

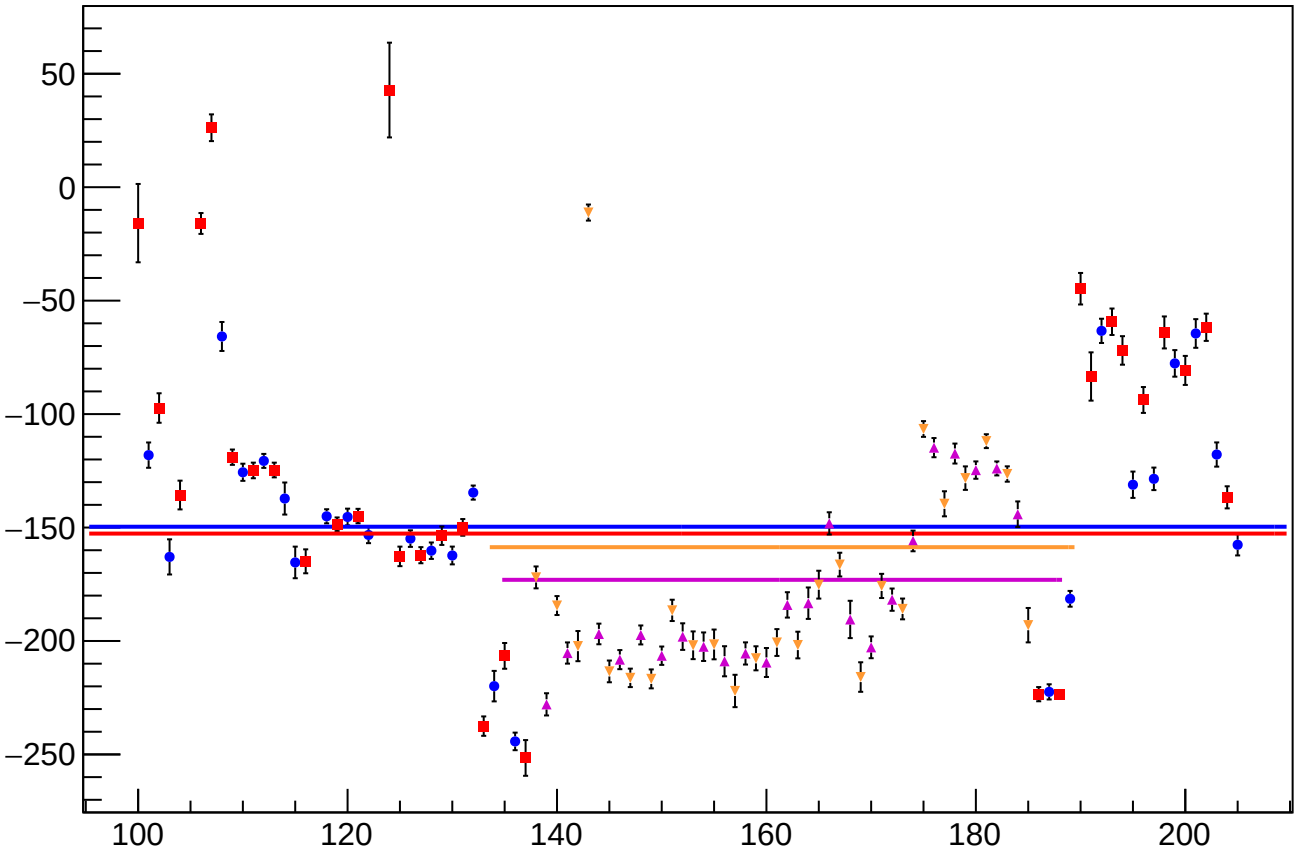
Left: 1.339+/-0.521 χ^2/NDF: 706.1/47

Right: -0.803+/-0.574 χ^2/NDF: 1055.1/54

In: 1.314+/-0.559 χ^2/NDF:854.1/47

Out: -0.488+/-0.533 χ^2/NDF:909.3/54

All: 0.371+/-0.386 χ^2/NDF: 1768.8/102



Right In: -149.644+/-0.857 χ^2/NDF: 2315.5/24

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -152.665+/-0.774 χ^2/NDF: 6414.1/29

Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

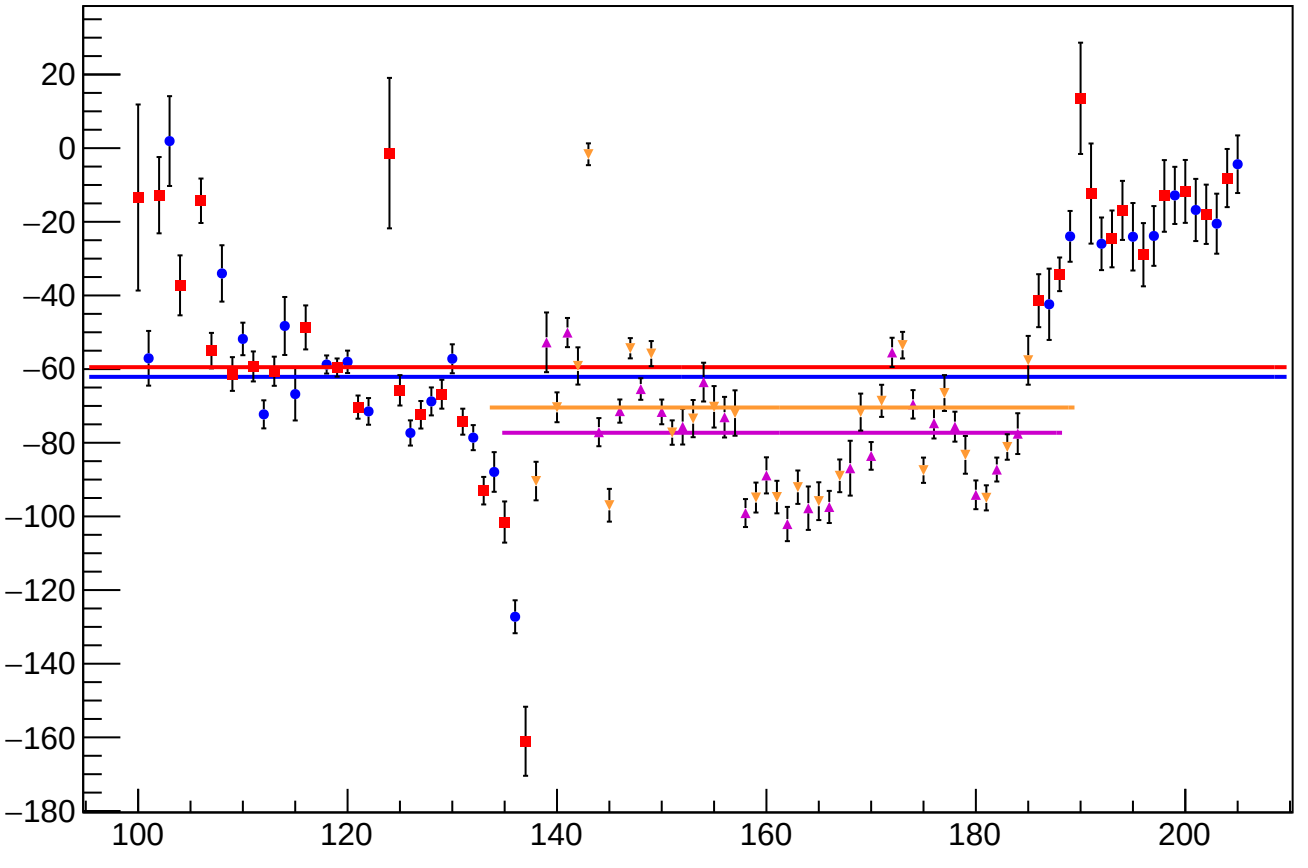
Left: -165.517+/-0.687 χ^2/NDF: 5000.9/47

Right: -151.306+/-0.574 χ^2/NDF: 8736.4/54

In: -159.598+/-0.649 χ^2/NDF:4032.9/47

Out: -155.056+/-0.600 χ^2/NDF:9929.7/54

All: -157.149+/-0.441 χ^2/NDF: 13988.9/102



Right In: -62.104+/-0.964 χ^2/NDF: 600.5/24

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -59.473+/-0.940 χ^2/NDF: 657.6/29

Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

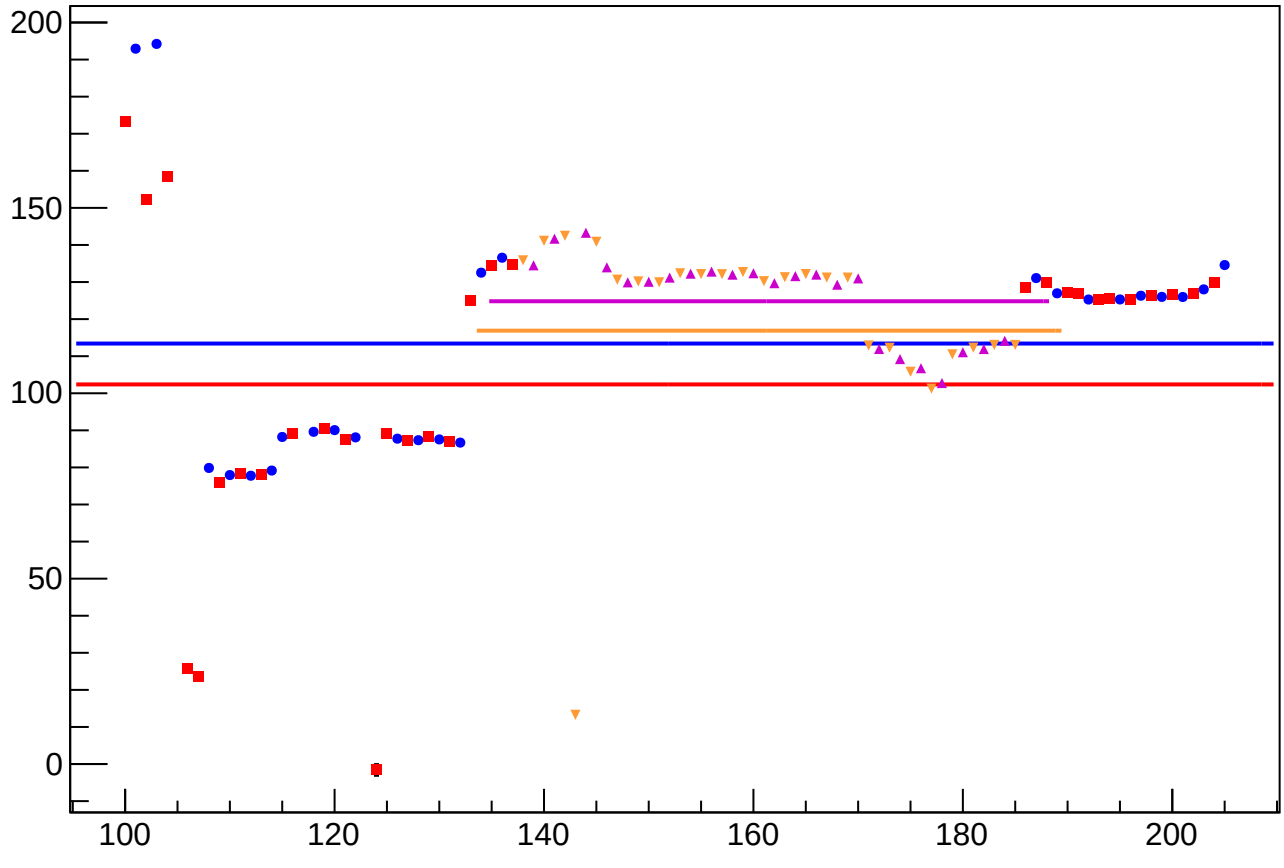
Left: -73.677+/-0.596 χ^2/NDF: 1189.0/47

Right: -60.755+/-0.673 χ^2/NDF: 1261.9/54

In: -70.505+/-0.644 χ^2/NDF:992.2/47

Out: -65.683+/-0.618 χ^2/NDF:1636.3/54

All: -67.996+/-0.446 χ^2/NDF: 2657.6/102



Right In: 113.411+/-0.056 χ^2/NDF: 272910.0/24

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 102.384+/-0.052 χ^2/NDF: 508665.5/29

Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

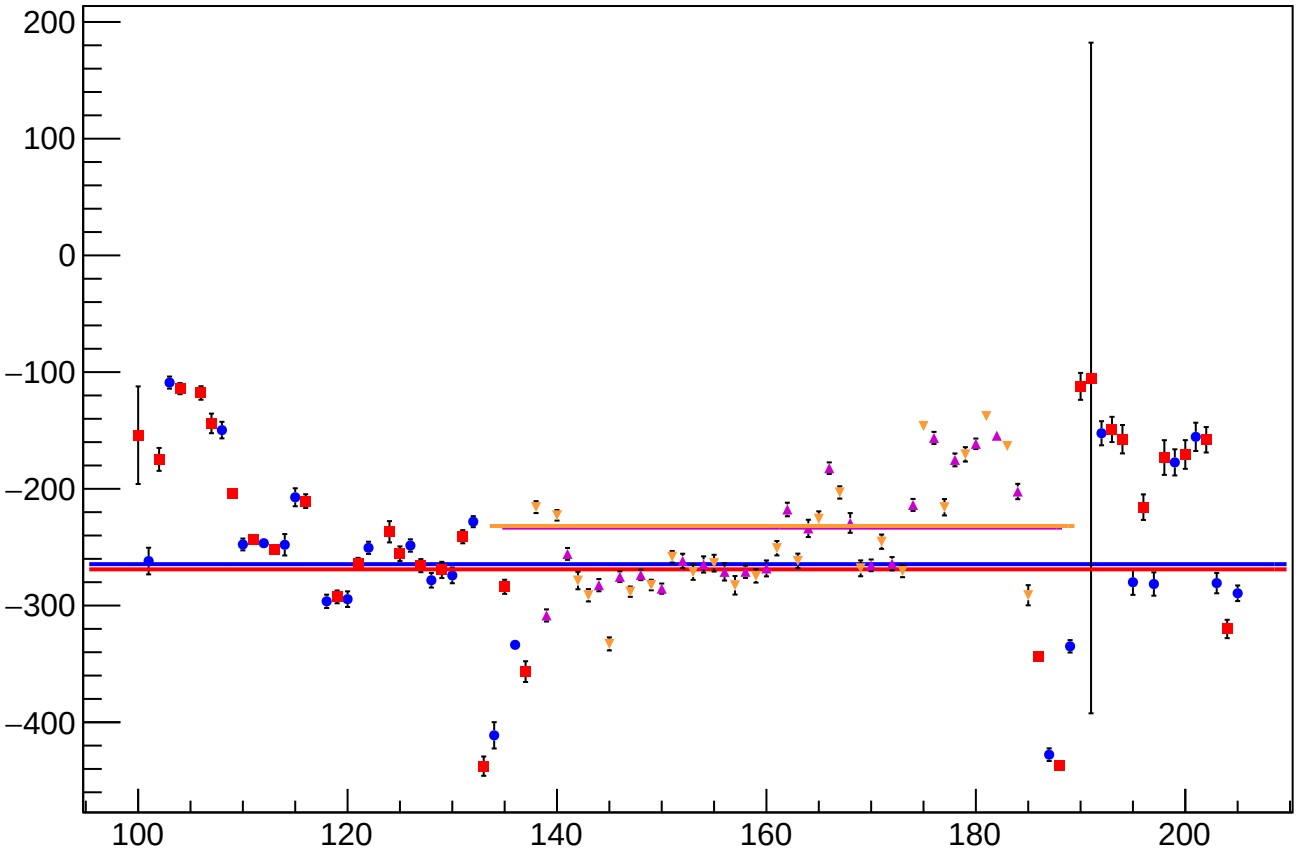
Left: 120.724+/-0.027 χ^2/NDF: 732240.4/47

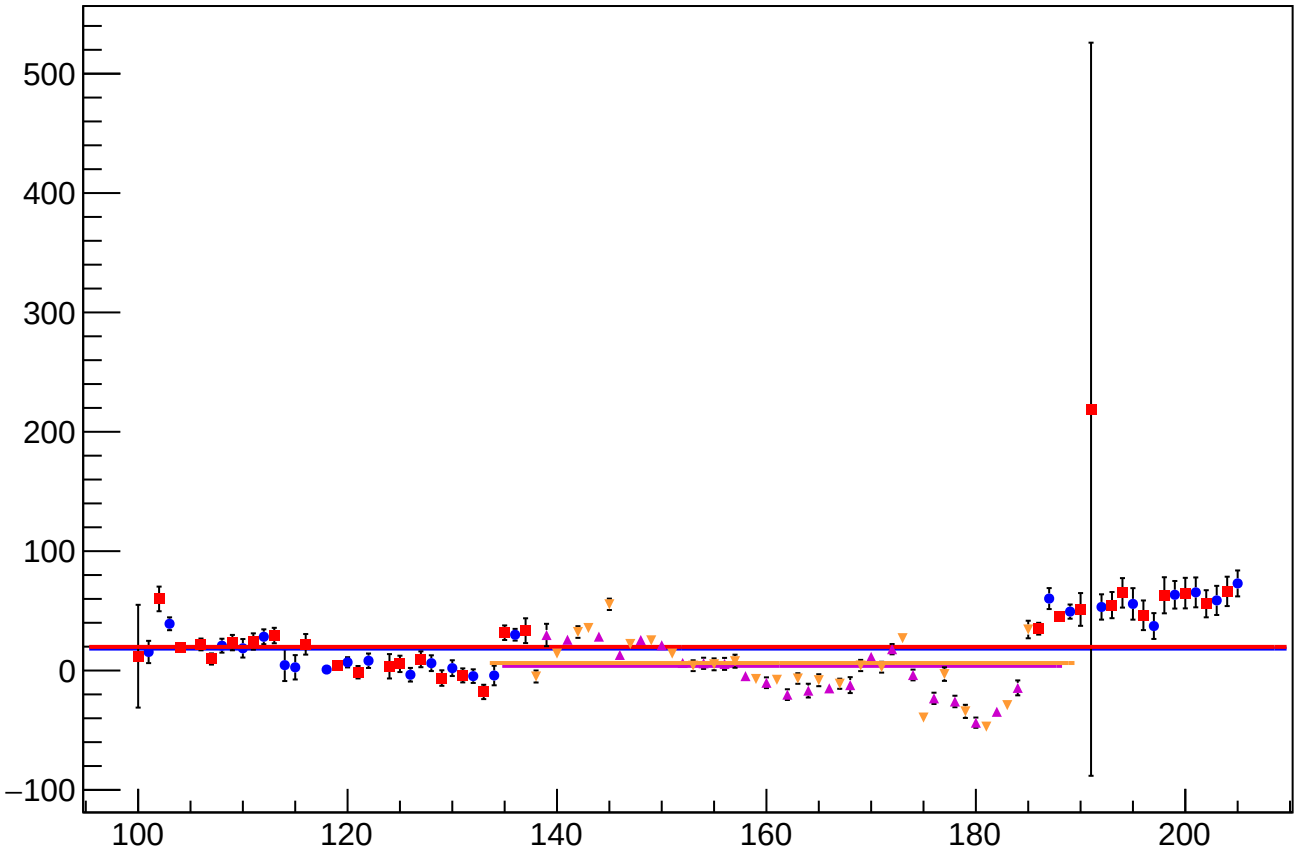
Right: 107.445+/-0.038 χ^2/NDF: 802323.3/54

In: 121.079+/-0.032 χ^2/NDF:388611.0/47

Out: 111.800+/-0.031 χ^2/NDF:1182520.1/54

All: 116.213+/-0.022 χ^2/NDF: 1614559.9/102


reg_asym_atr_avg_diff_bpm1X_slope vs Slug, Sign Corrected
200
100
0
−100
−200
−300
−400
100
120
140
160
180
200
Right In: -264.561+/-1.259 χ²/NDF: 3194.4/24
Left Out: -231.847+/-1.080 χ²/NDF:2676.6/24
Right Out: -268.975+/-1.111 χ²/NDF: 7461.3/29
Left In: -233.258+/-1.108 χ²/NDF:2067.0/22
Left: -232.535+/-0.773 χ²/NDF: 4744.4/47
Right: -267.042+/-0.833 χ²/NDF: 10662.6/54
In: -246.919+/-0.831 χ²/NDF:5610.0/47
Out: -249.893+/-0.774 χ²/NDF:10712.2/54
All: -248.511+/-0.567 χ²/NDF: 16329.0/102



Right In: 18.387+/-1.341 χ^2/NDF: 248.2/24

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 19.806+/-1.204 χ^2/NDF: 275.4/29

Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

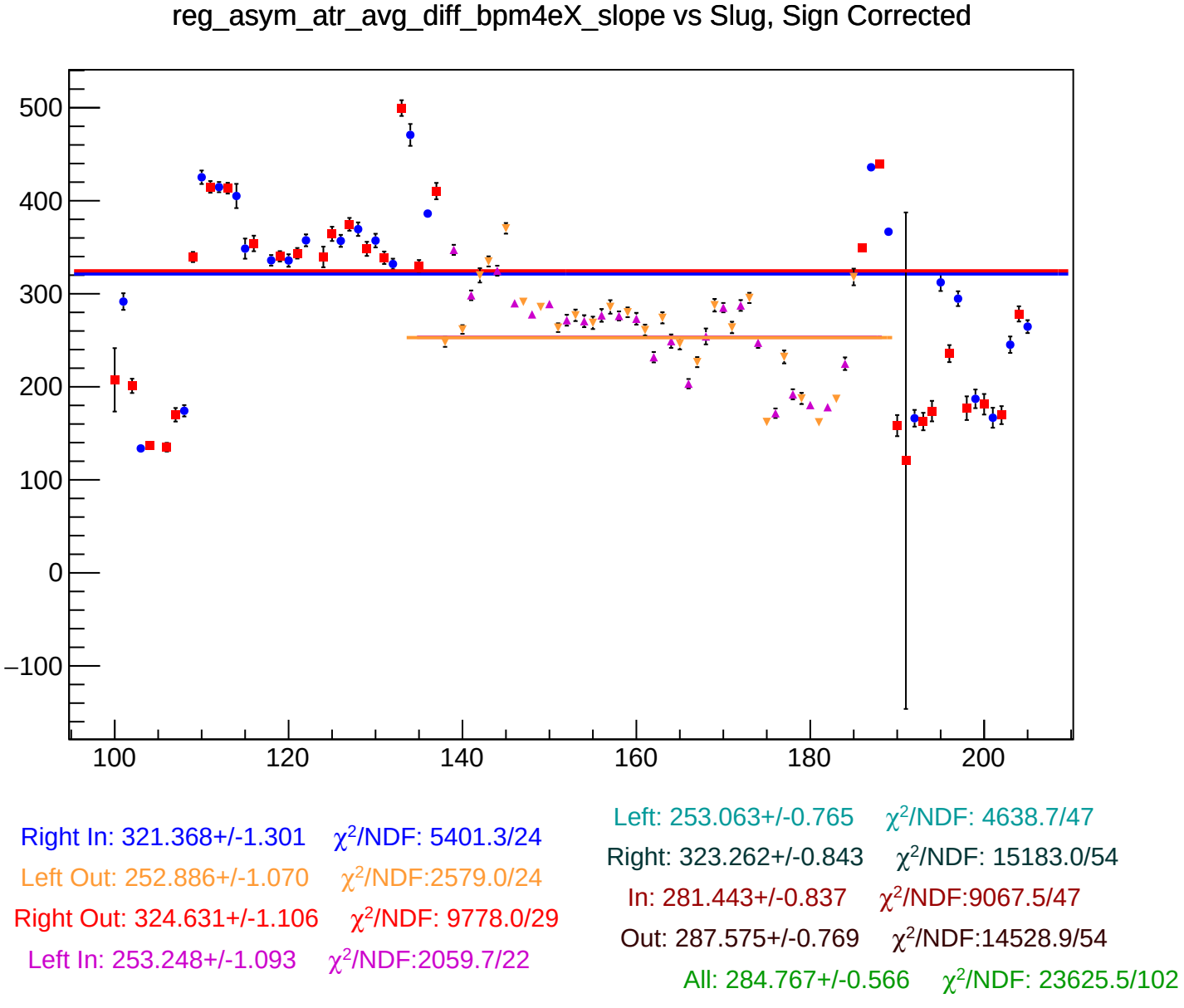
Left: 5.140+/-0.568 χ^2/NDF: 1526.1/47

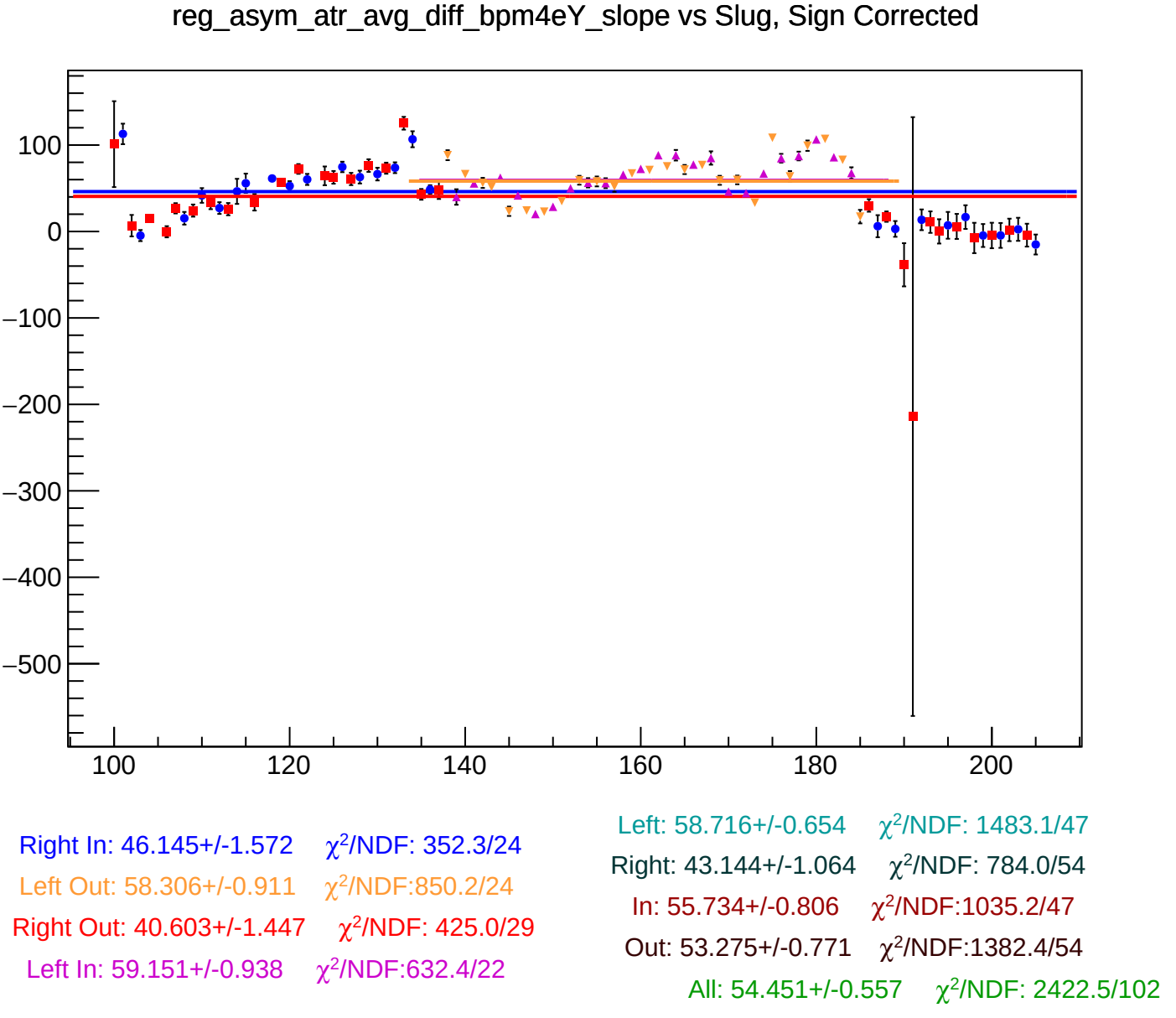
Right: 19.173+/-0.896 χ^2/NDF: 524.2/54

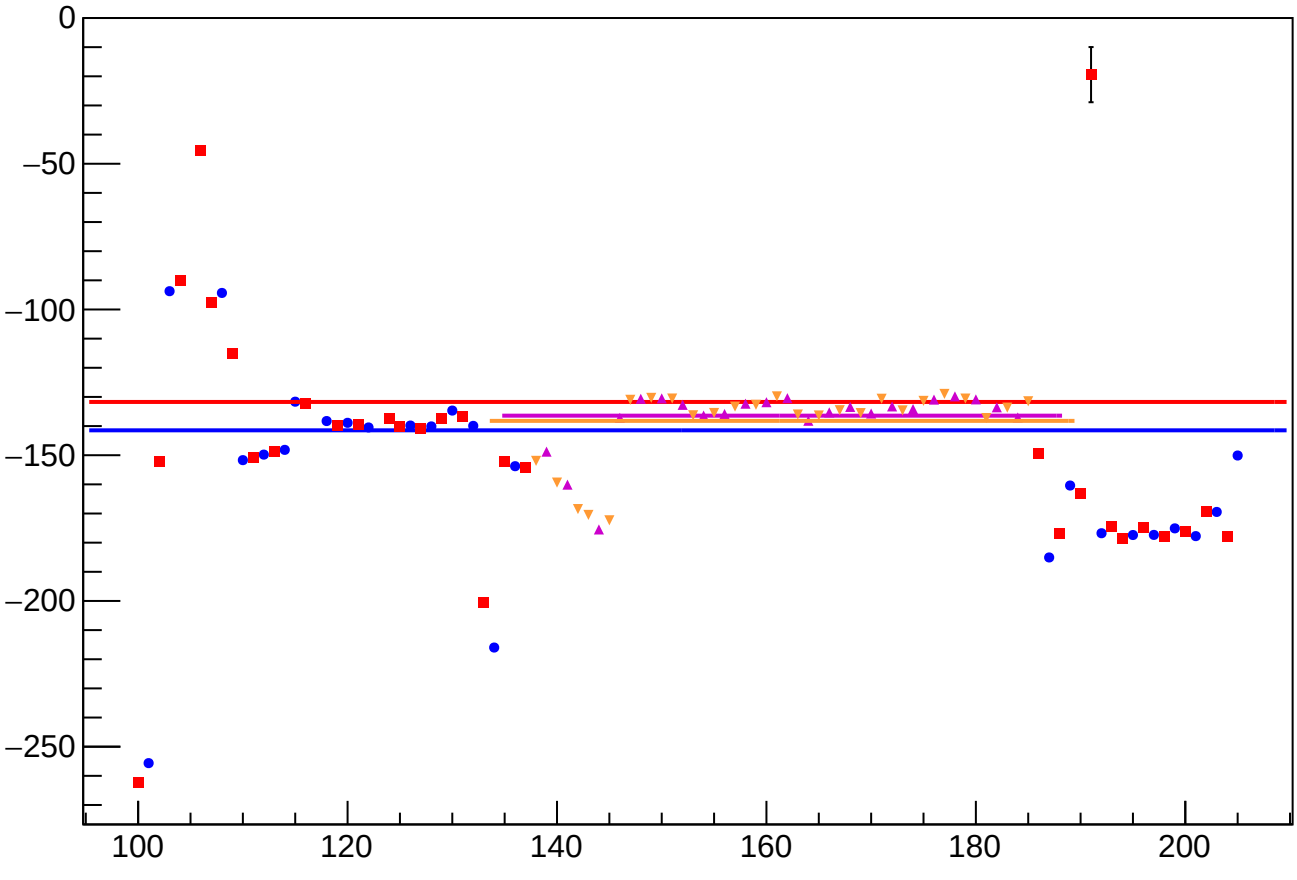
In: 7.834+/-0.699 χ^2/NDF:983.5/47

Out: 10.349+/-0.660 χ^2/NDF:1235.0/54

All: 9.163+/-0.480 χ^2/NDF: 2225.3/102


reg_asym_atr_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
500
400
300
200
100
0
−100
100
120
140
160
180
200
Right In: 321.368+/-1.301 χ²/NDF: 5401.3/24
Left Out: 252.886+/-1.070 χ²/NDF:2579.0/24
Right Out: 324.631+/-1.106 χ²/NDF: 9778.0/29
Left In: 253.248+/-1.093 χ²/NDF:2059.7/22
Left: 253.063+/-0.765 χ²/NDF: 4638.7/47
Right: 323.262+/-0.843 χ²/NDF: 15183.0/54
In: 281.443+/-0.837 χ²/NDF:9067.5/47
Out: 287.575+/-0.769 χ²/NDF:14528.9/54
All: 284.767+/-0.566 χ²/NDF: 23625.5/102


reg_asym_atr_avg_diff_bpm4eY_slope vs Slug, Sign Corrected
100
0
−100
−200
−300
−400
−500
100
120
140
160
180
200
Right In: 46.145+/-1.572 χ²/NDF: 352.3/24
Left Out: 58.306+/-0.911 χ²/NDF:850.2/24
Right Out: 40.603+/-1.447 χ²/NDF: 425.0/29
Left In: 59.151+/-0.938 χ²/NDF:632.4/22
Left: 58.716+/-0.654 χ²/NDF: 1483.1/47
Right: 43.144+/-1.064 χ²/NDF: 784.0/54
In: 55.734+/-0.806 χ²/NDF:1035.2/47
Out: 53.275+/-0.771 χ²/NDF:1382.4/54
All: 54.451+/-0.557 χ²/NDF: 2422.5/102



Right In: -141.459+/-0.078 χ^2/NDF: 234468.0/24

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.723+/-0.073 χ^2/NDF: 332736.8/29

Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

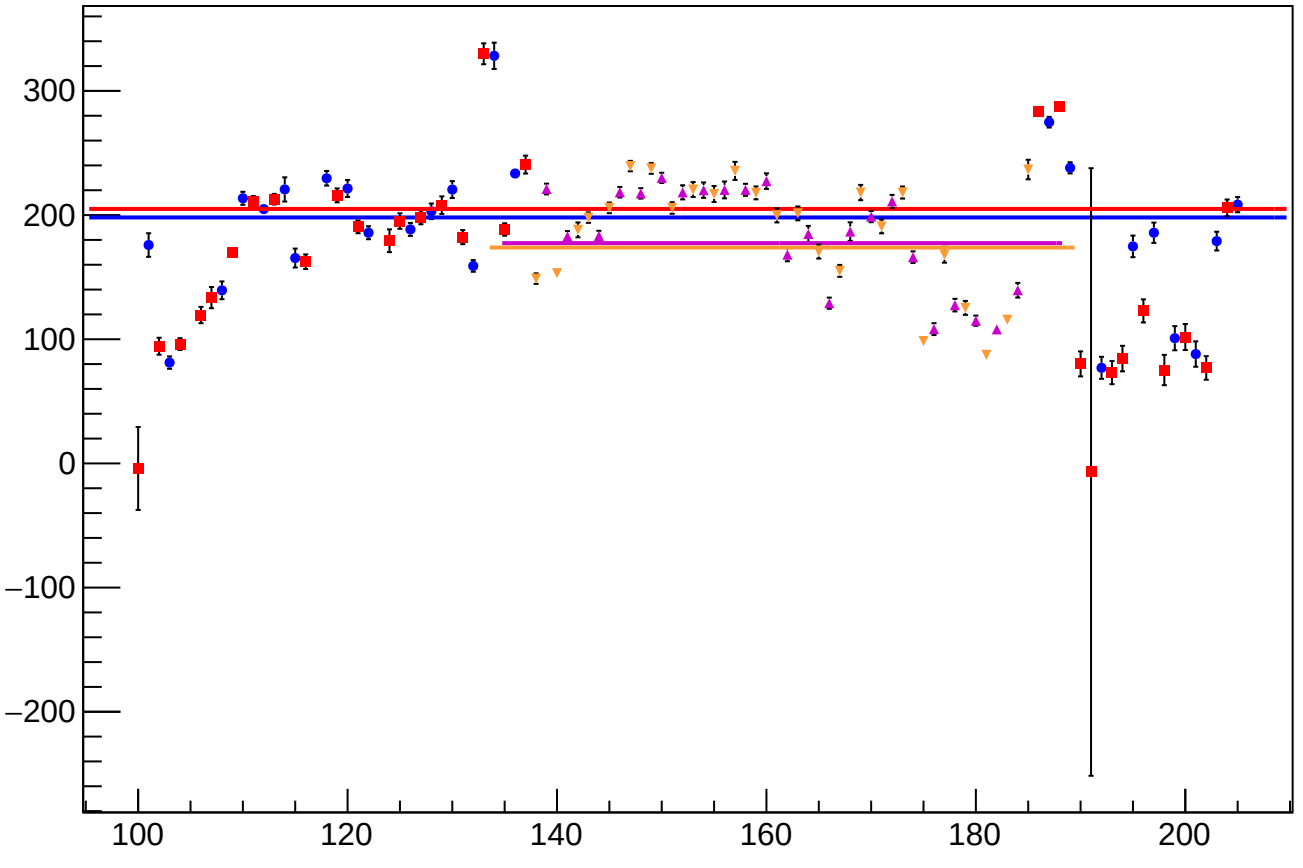
Left: -137.331+/-0.030 χ^2/NDF: 132499.5/47

Right: -136.266+/-0.053 χ^2/NDF: 575525.1/54

In: -137.597+/-0.038 χ^2/NDF:287458.2/47

Out: -136.571+/-0.037 χ^2/NDF:420487.4/54

All: -137.072+/-0.026 χ^2/NDF: 708327.2/102



Right In: 198.085+/-1.183 χ^2/NDF: 1862.2/24

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.949+/-1.039 χ^2/NDF: 4193.3/29

Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

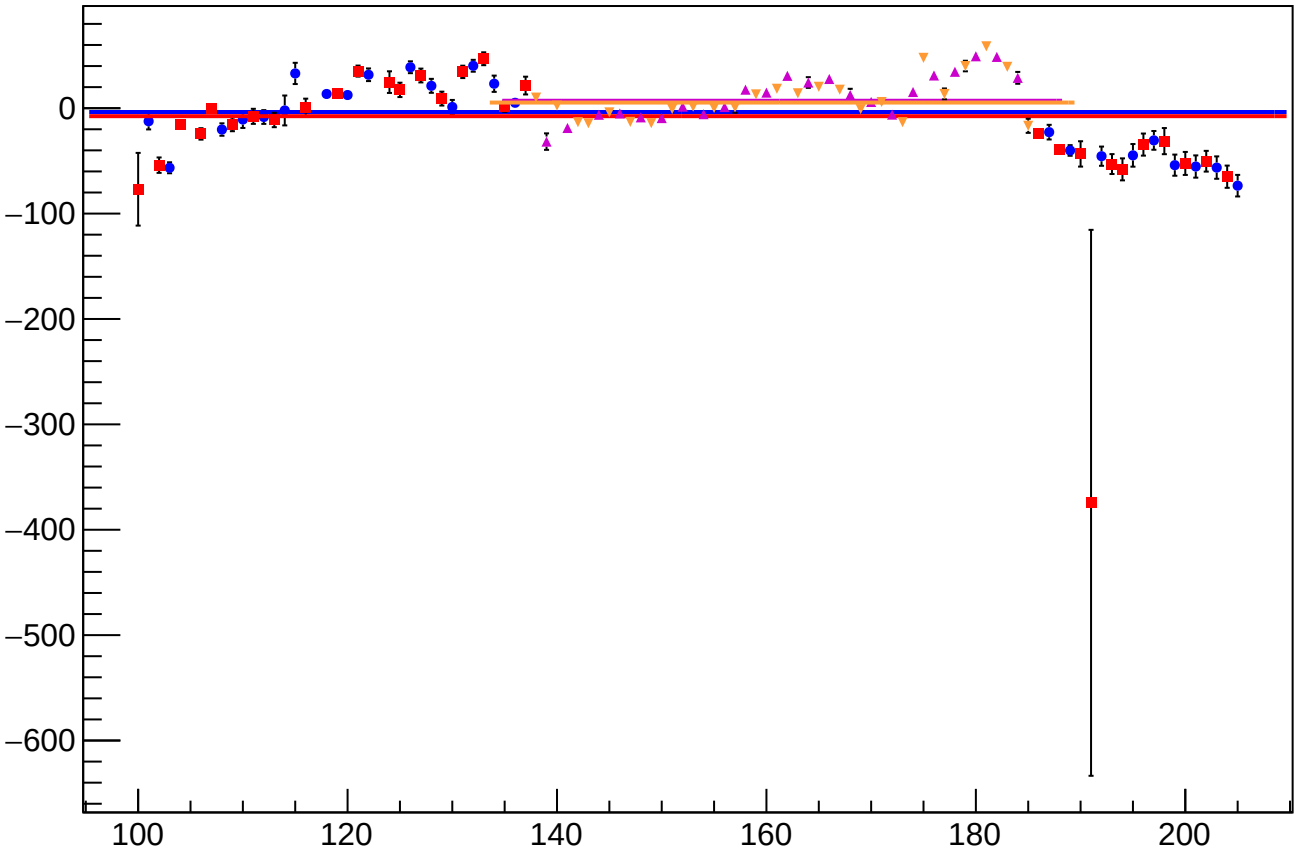
Left: 175.572+/-0.692 χ^2/NDF: 4597.1/47

Right: 201.959+/-0.781 χ^2/NDF: 6074.5/54

In: 185.975+/-0.762 χ^2/NDF:4004.1/47

Out: 188.205+/-0.706 χ^2/NDF:7302.6/54

All: 187.175+/-0.518 χ^2/NDF: 11311.3/102



Right In: -3.607+/-1.279 χ^2/NDF: 572.6/24

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -7.564+/-1.146 χ^2/NDF: 618.9/29

Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

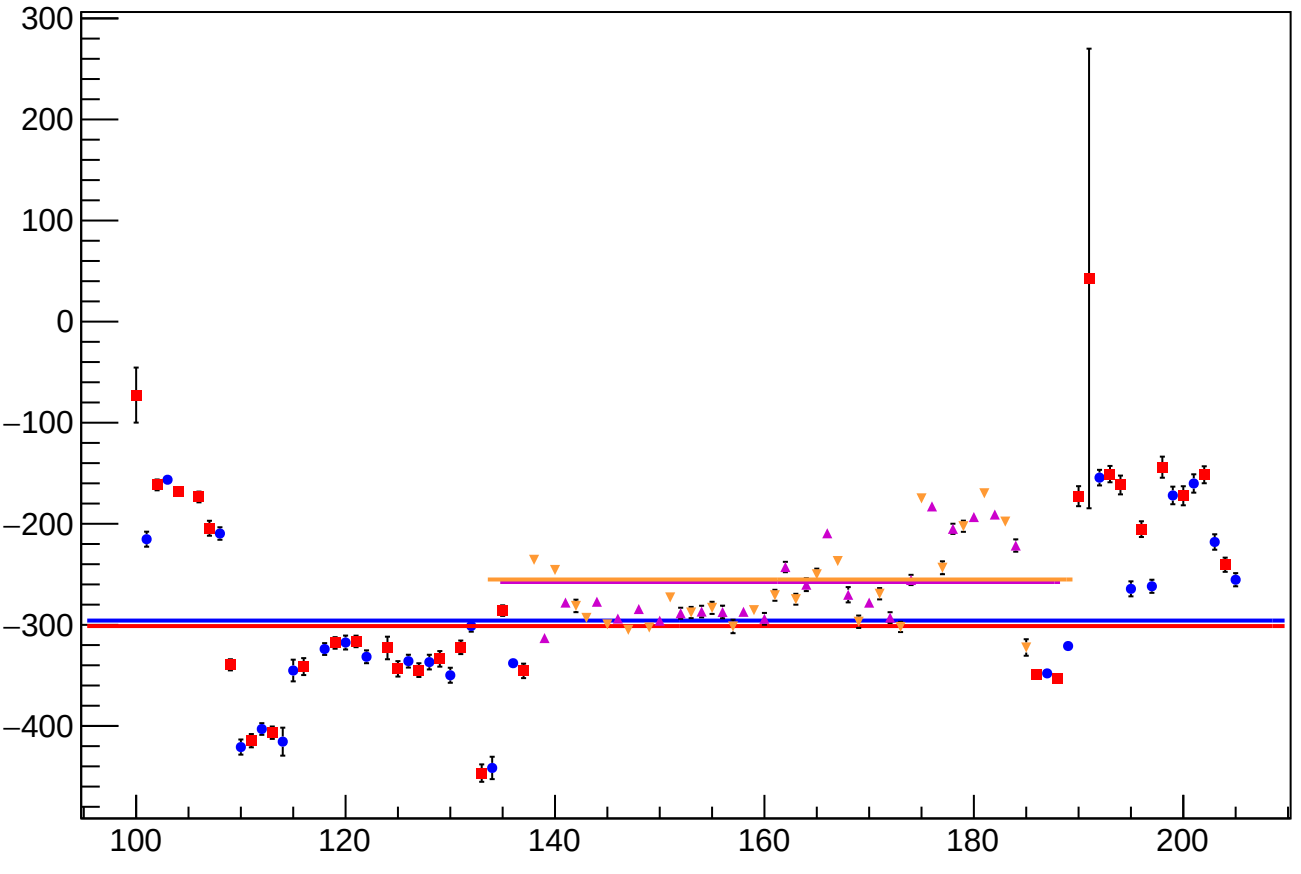
Left: 6.176+/-0.513 χ^2/NDF: 1522.4/47

Right: -5.803+/-0.854 χ^2/NDF: 1196.8/54

In: 4.379+/-0.641 χ^2/NDF:1334.3/47

Out: 1.774+/-0.604 χ^2/NDF:1520.8/54

All: 2.998+/-0.440 χ^2/NDF: 2863.8/102



Right In: -295.753+/-1.191 χ^2/NDF: 4023.9/24

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -301.197+/-1.004 χ^2/NDF: 6624.7/29

Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

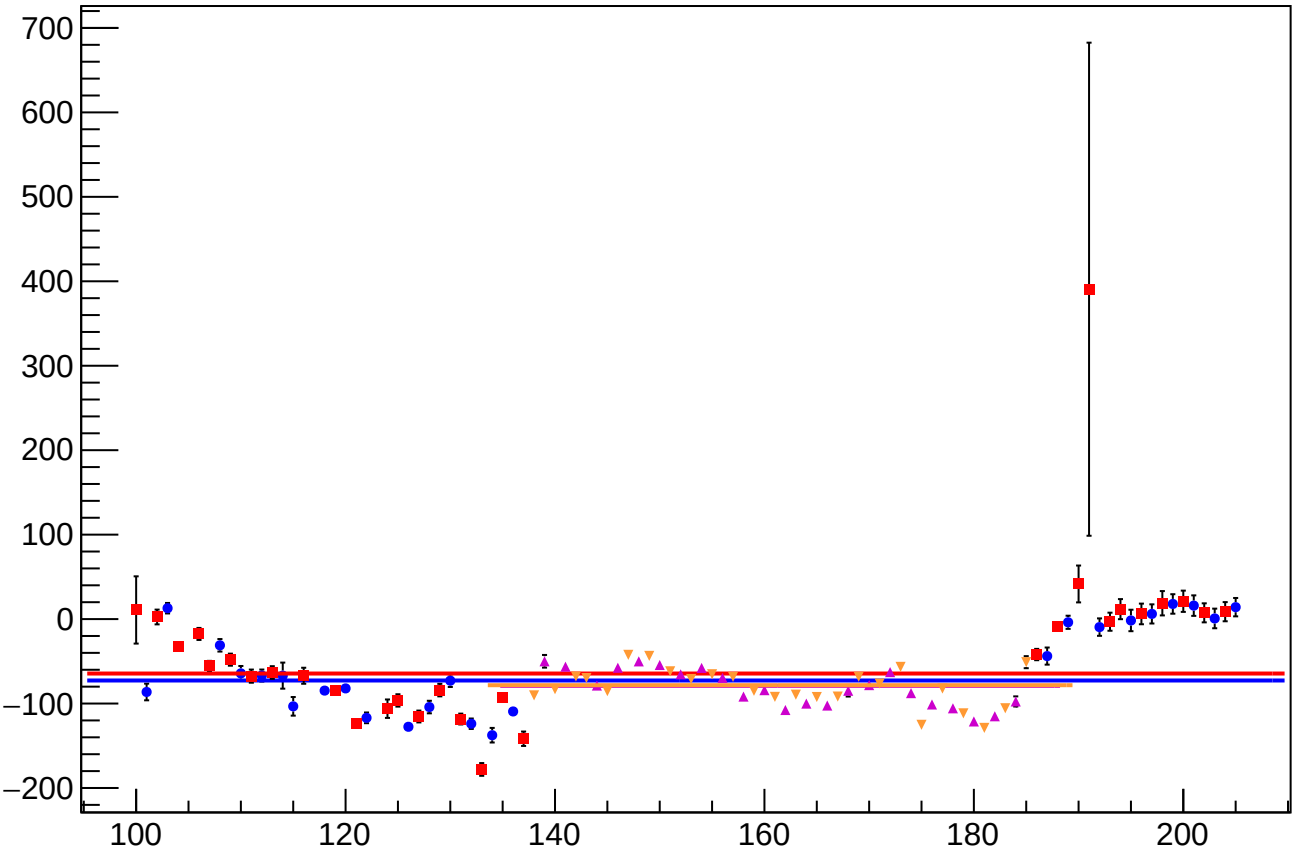
Left: -256.324+/-0.686 χ^2/NDF: 4156.2/47

Right: -298.936+/-0.768 χ^2/NDF: 10660.8/54

In: -273.089+/-0.759 χ^2/NDF:6441.2/47

Out: -277.034+/-0.693 χ^2/NDF:10073.5/54

All: -275.242+/-0.512 χ^2/NDF: 16529.5/102



Right In: -72.711+/-1.499 χ^2/NDF: 1021.0/24

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -64.462+/-1.383 χ^2/NDF: 1228.2/29

Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

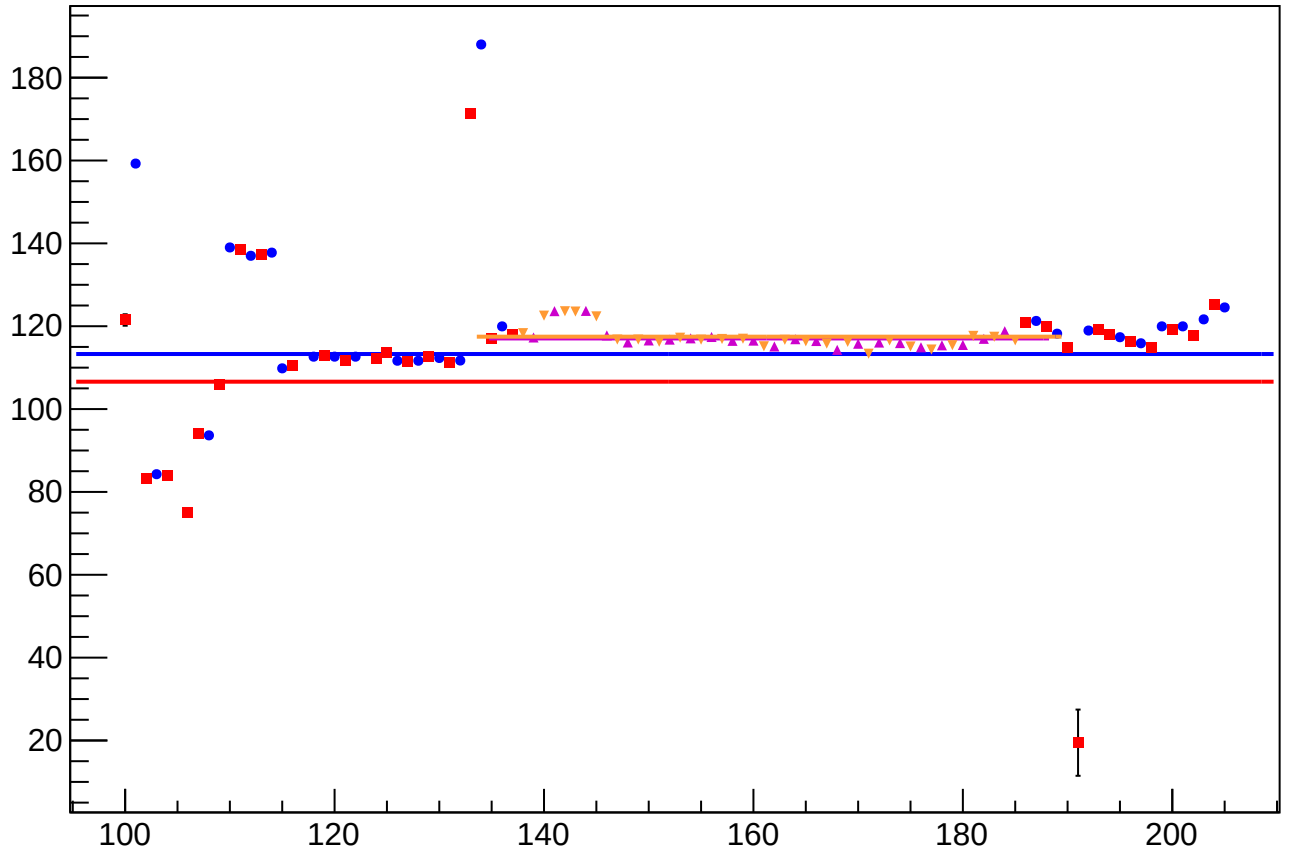
Left: -78.665+/-0.589 χ^2/NDF: 1571.2/47

Right: -68.254+/-1.017 χ^2/NDF: 2265.6/54

In: -77.524+/-0.739 χ^2/NDF:1737.2/47

Out: -74.703+/-0.705 χ^2/NDF:2170.5/54

All: -76.047+/-0.510 χ^2/NDF: 3915.3/102



Right In: 113.290+/-0.072 χ^2/NDF: 86908.6/24

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 106.610+/-0.067 χ^2/NDF: 77860.9/29

Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

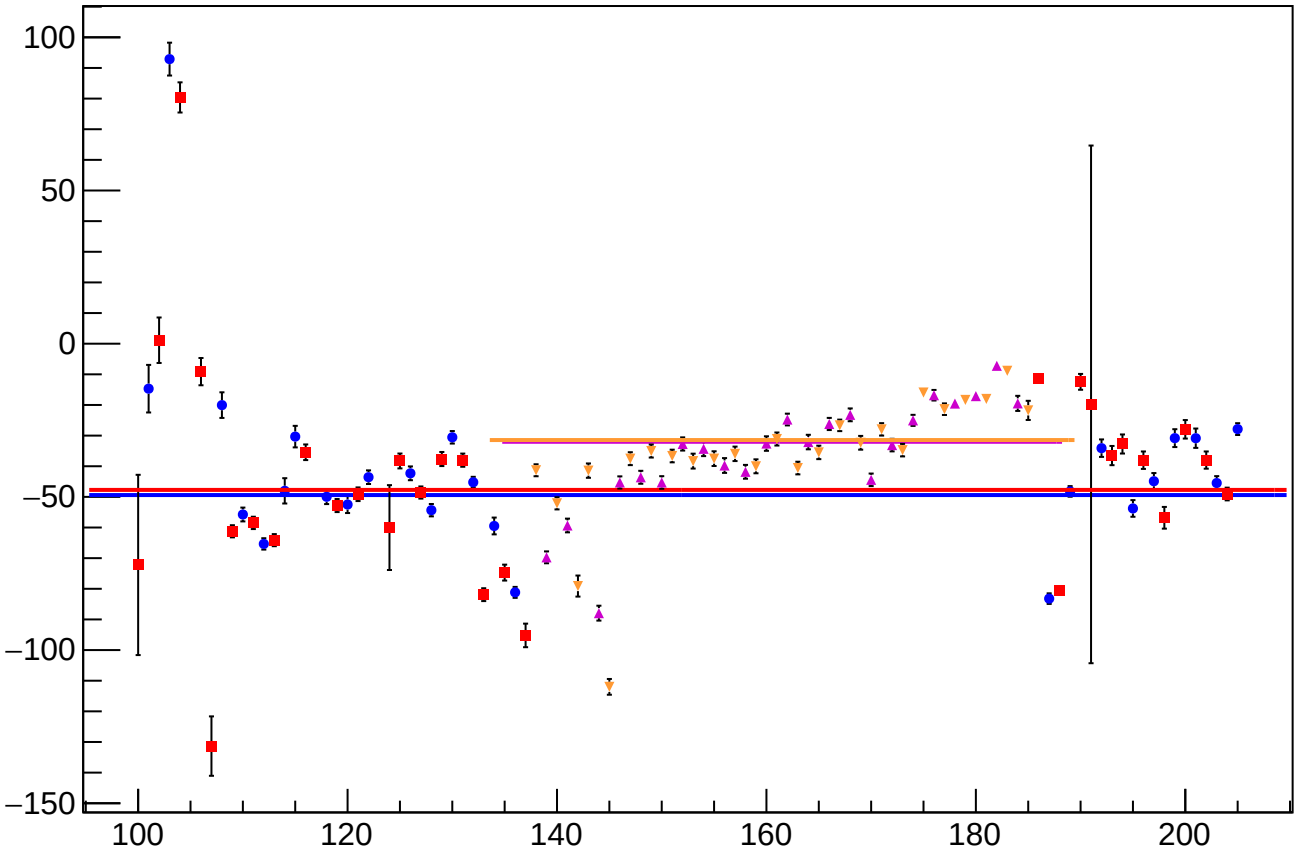
Left: 117.265+/-0.027 χ^2/NDF: 8145.5/47

Right: 109.716+/-0.049 χ^2/NDF: 169413.2/54

In: 116.202+/-0.034 χ^2/NDF:92379.7/47

Out: 114.821+/-0.033 χ^2/NDF:102575.8/54

All: 115.492+/-0.024 χ^2/NDF: 195803.5/102



Right In: -49.405+/-0.475 χ^2/NDF: 1949.3/24

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -47.724+/-0.420 χ^2/NDF: 4195.0/29

Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

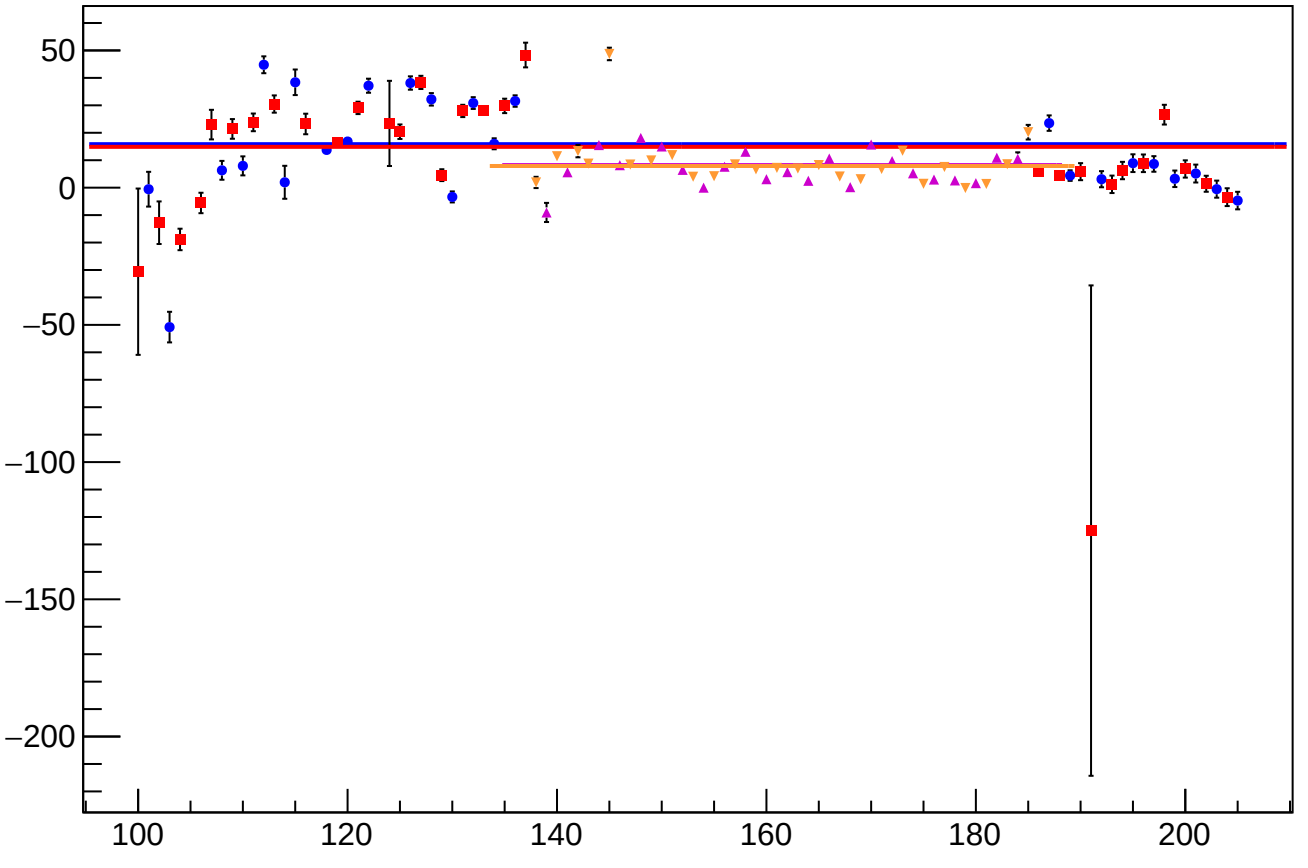
Left: -31.726+/-0.286 χ^2/NDF: 3906.6/47

Right: -48.463+/-0.315 χ^2/NDF: 6151.3/54

In: -39.429+/-0.310 χ^2/NDF:4633.1/47

Out: -39.159+/-0.289 χ^2/NDF:6975.3/54

All: -39.285+/-0.211 χ^2/NDF: 11608.8/102



Right In: 15.848+/-0.512 χ^2/NDF: 854.2/24

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.877+/-0.472 χ^2/NDF: 737.9/29

Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

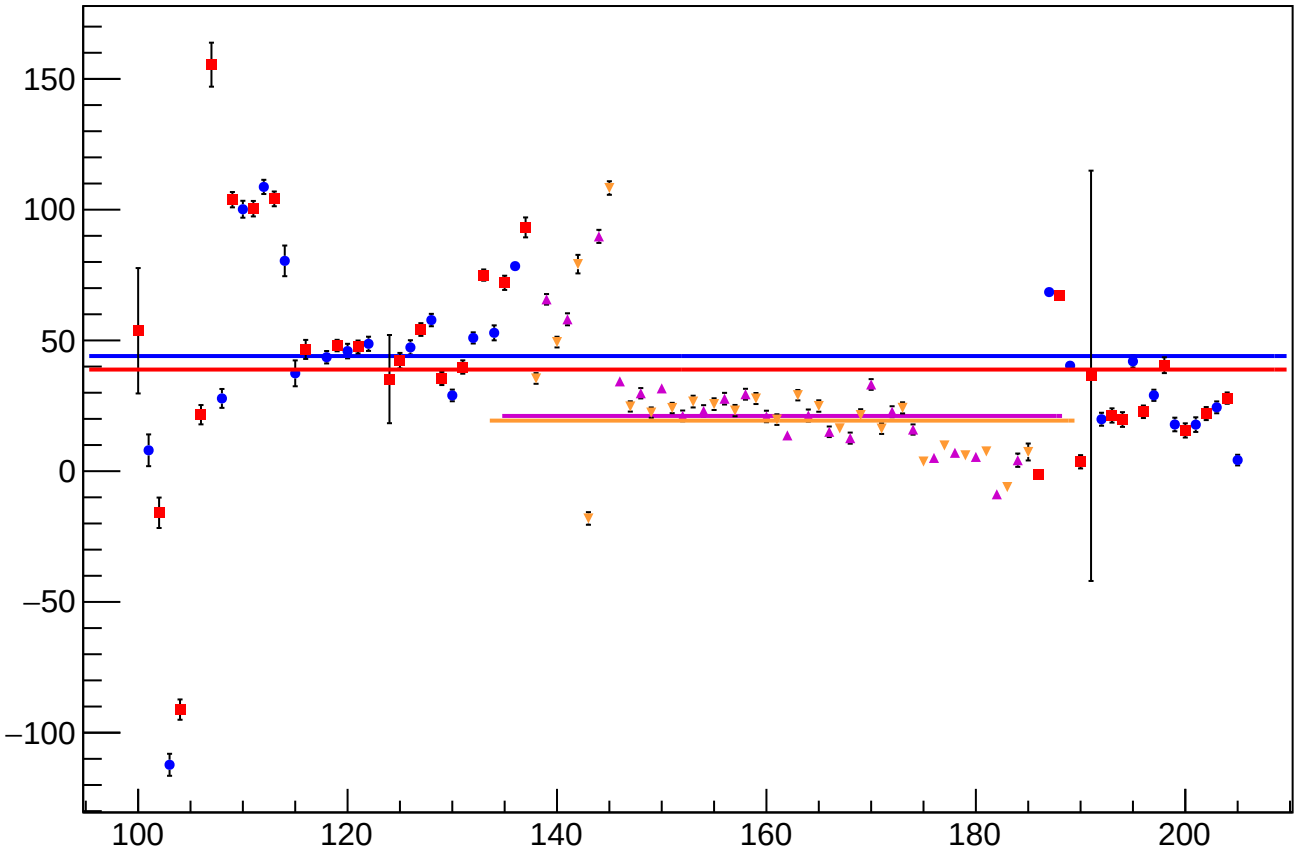
Left: 8.054+/-0.219 χ^2/NDF: 829.9/47

Right: 15.322+/-0.347 χ^2/NDF: 1594.0/54

In: 10.319+/-0.269 χ^2/NDF:1353.5/47

Out: 9.944+/-0.255 χ^2/NDF:1383.2/54

All: 10.122+/-0.185 χ^2/NDF: 2737.7/102



Right In: 44.027+/-0.483 χ^2/NDF: 3902.9/24

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 38.861+/-0.403 χ^2/NDF: 7567.1/29

Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

Left: 20.211+/-0.283 χ^2/NDF: 5197.1/47

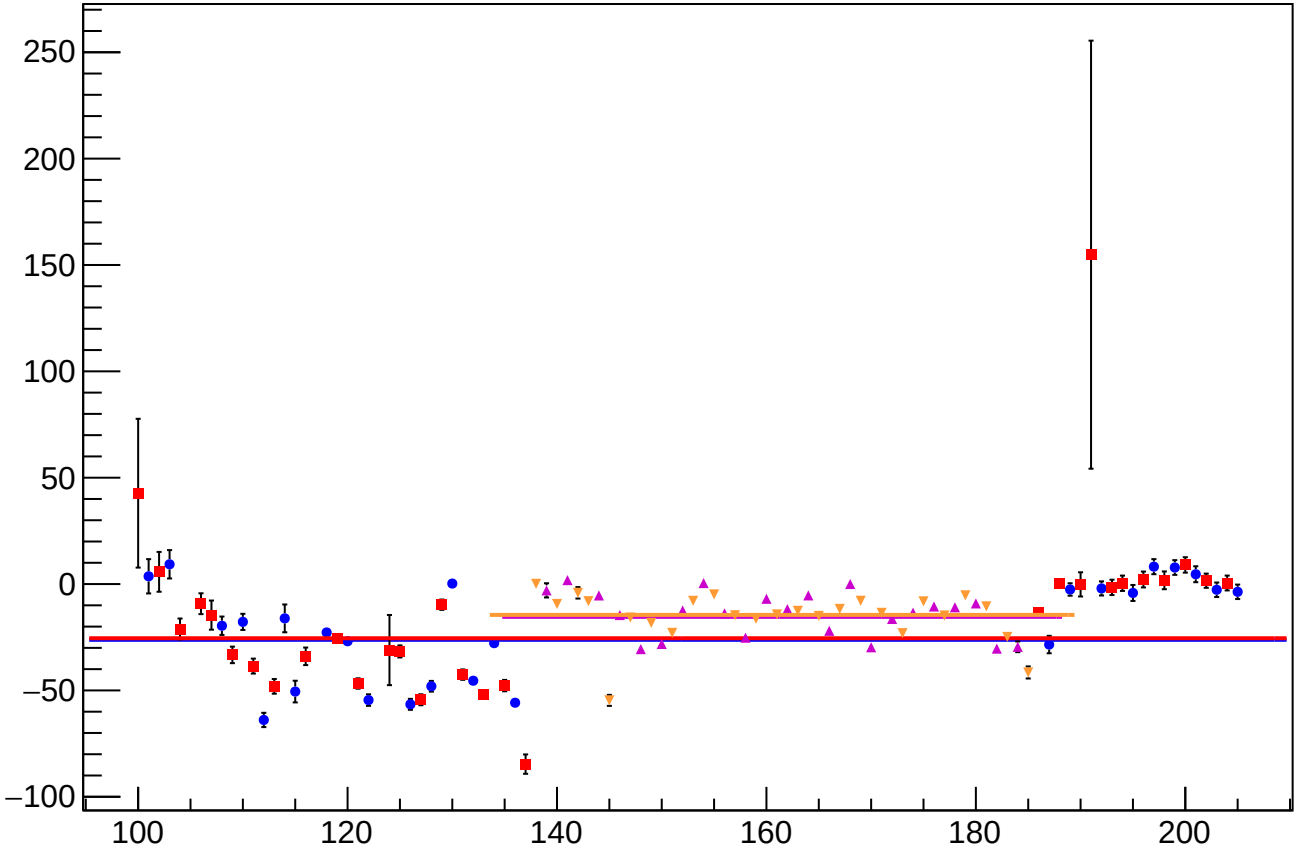
Right: 40.981+/-0.309 χ^2/NDF: 11537.5/54

In: 30.580+/-0.310 χ^2/NDF:7729.5/47

Out: 28.926+/-0.282 χ^2/NDF:11445.5/54

All: 29.675+/-0.209 χ^2/NDF: 19190.6/102

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -26.209+/-0.599 χ^2/NDF: 1438.1/24

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -25.478+/-0.574 χ^2/NDF: 1453.0/29

Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

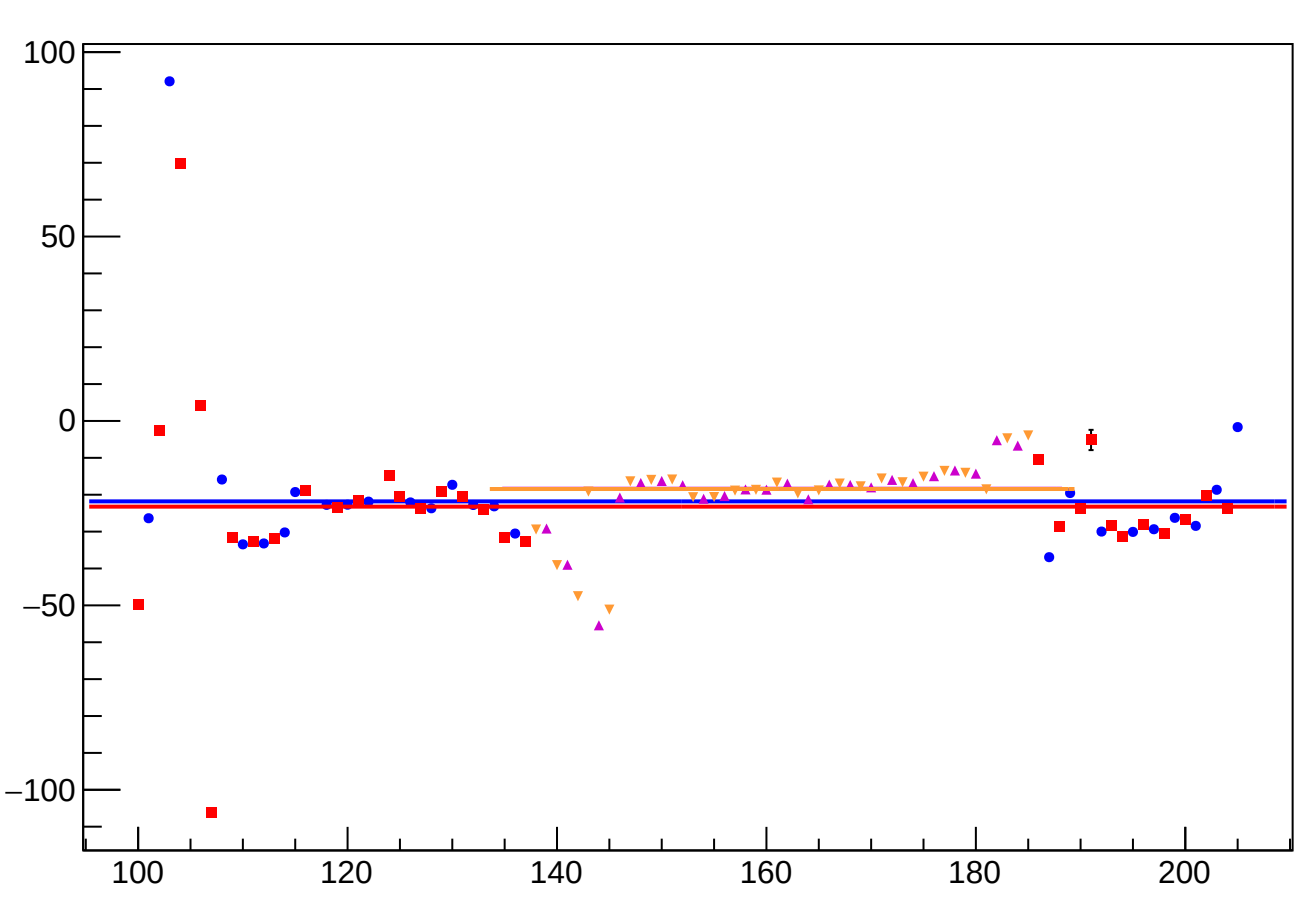
Left: -14.945+/-0.247 χ^2/NDF: 1443.2/47

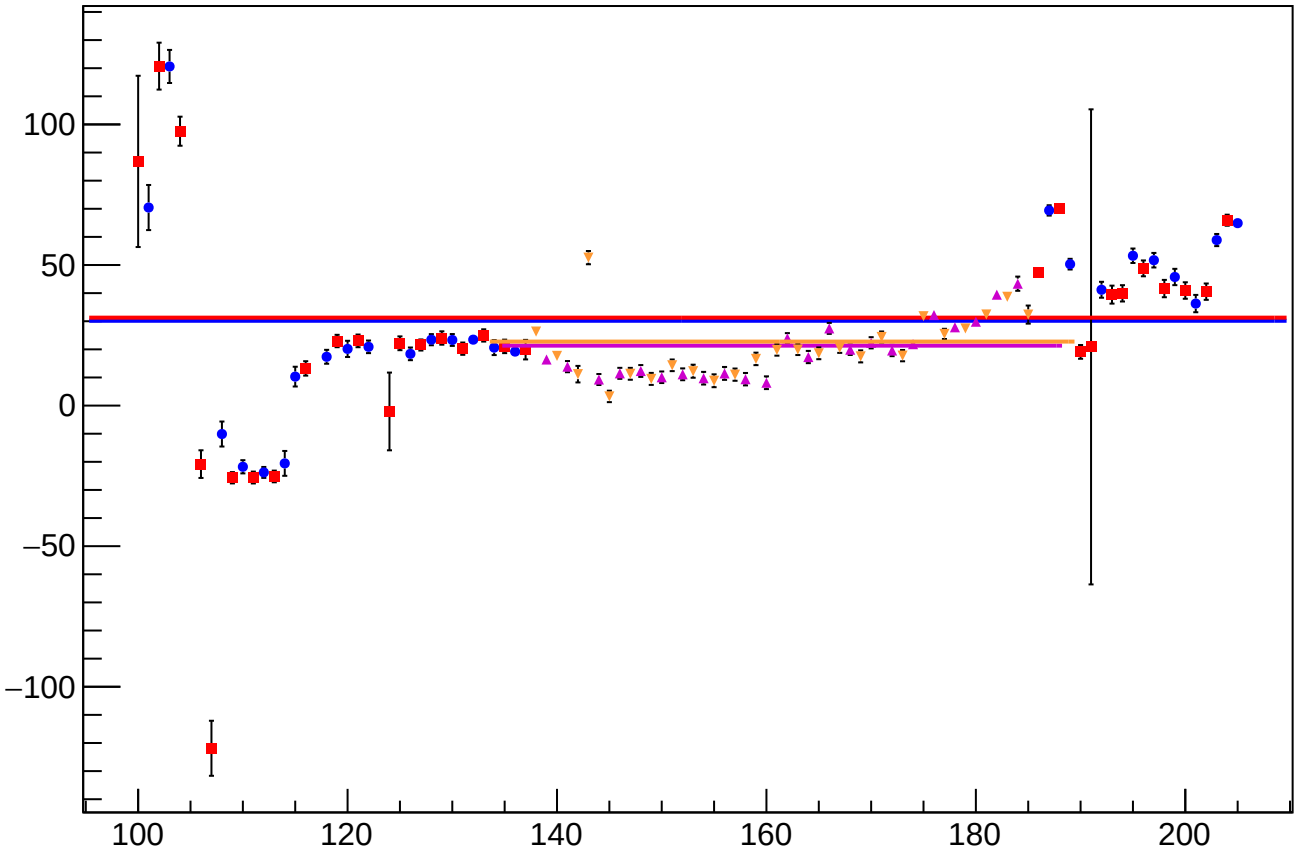
Right: -25.828+/-0.414 χ^2/NDF: 2891.9/54

In: -18.225+/-0.306 χ^2/NDF:2476.8/47

Out: -17.404+/-0.295 χ^2/NDF:2363.3/54

All: -17.800+/-0.212 χ^2/NDF: 4843.8/102


reg_asym_at1_avg_diff_bpm12X_slope vs Slug, Sign Corrected
100
50
0
−50
−100
100
120
140
160
180
200
Right In: -21.803+/-0.030 χ²/NDF: 476572.1/24
Left Out: -18.450+/-0.015 χ²/NDF:295359.2/24
Right Out: -23.231+/-0.029 χ²/NDF: 379418.4/29
Left In: -18.378+/-0.016 χ²/NDF:250040.9/22
Left: -18.414+/-0.011 χ²/NDF: 545410.6/47
Right: -22.534+/-0.021 χ²/NDF: 857189.3/54
In: -19.138+/-0.014 χ²/NDF:737101.6/47
Out: -19.521+/-0.014 χ²/NDF:696149.5/54
All: -19.333+/-0.010 χ²/NDF: 1433638.1/102



Right In: 30.167+/-0.477 χ^2/NDF: 3259.5/24

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 31.279+/-0.437 χ^2/NDF: 4981.5/29

Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

Left: 22.064+/-0.274 χ^2/NDF: 1359.6/47

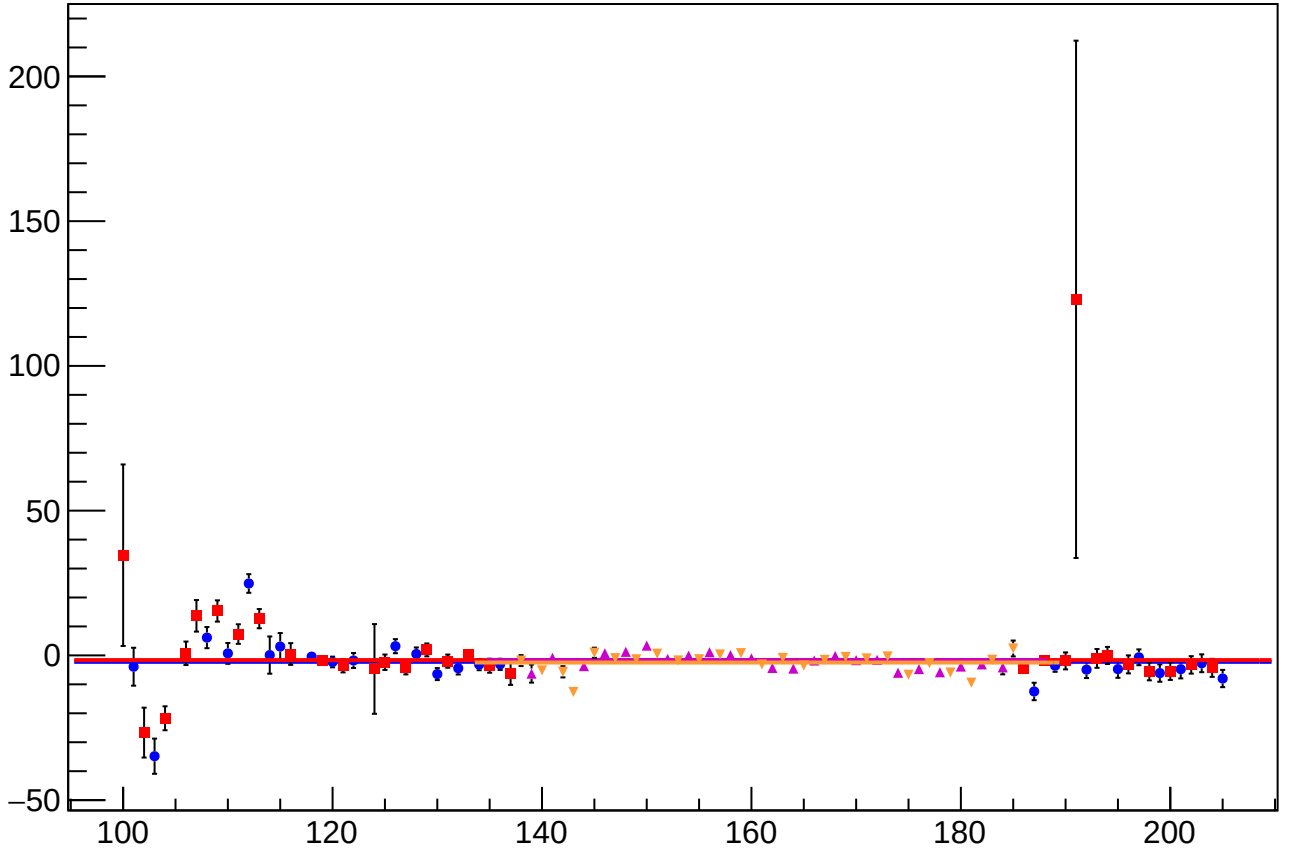
Right: 30.771+/-0.322 χ^2/NDF: 8244.0/54

In: 24.898+/-0.303 χ^2/NDF:4094.2/47

Out: 26.456+/-0.288 χ^2/NDF:5918.8/54

All: 25.717+/-0.209 χ^2/NDF: 10027.0/102

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.223+/-0.517 χ^2/NDF: 140.2/24

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.626+/-0.490 χ^2/NDF: 106.4/29

Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

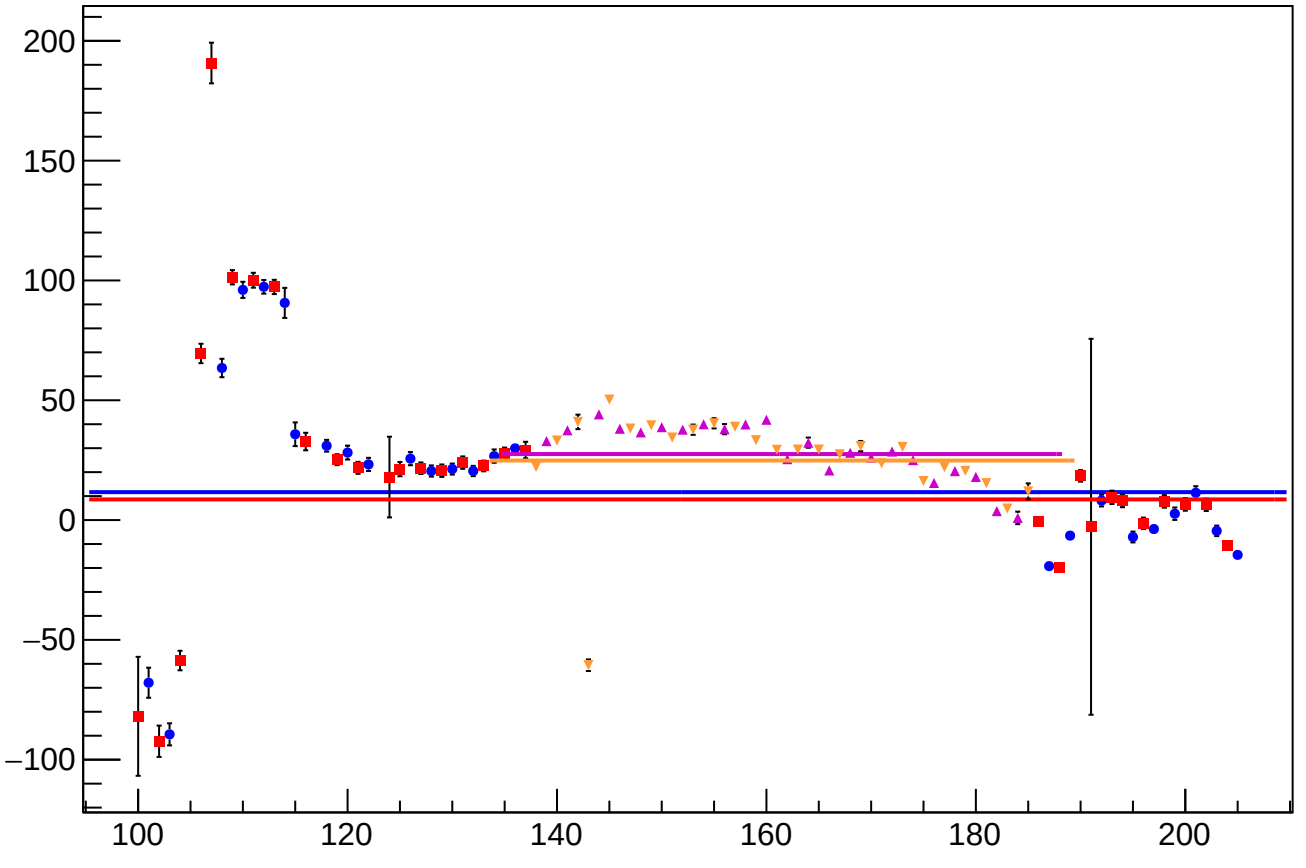
Left: -2.079+/-0.211 χ^2/NDF: 190.6/47

Right: -1.908+/-0.356 χ^2/NDF: 247.3/54

In: -1.804+/-0.262 χ^2/NDF:211.3/47

Out: -2.246+/-0.252 χ^2/NDF:225.3/54

All: -2.034+/-0.181 χ^2/NDF: 438.1/102



Right In: 11.653+/-0.487 χ^2/NDF: 3796.3/24

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 8.616+/-0.425 χ^2/NDF: 5572.2/29

Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

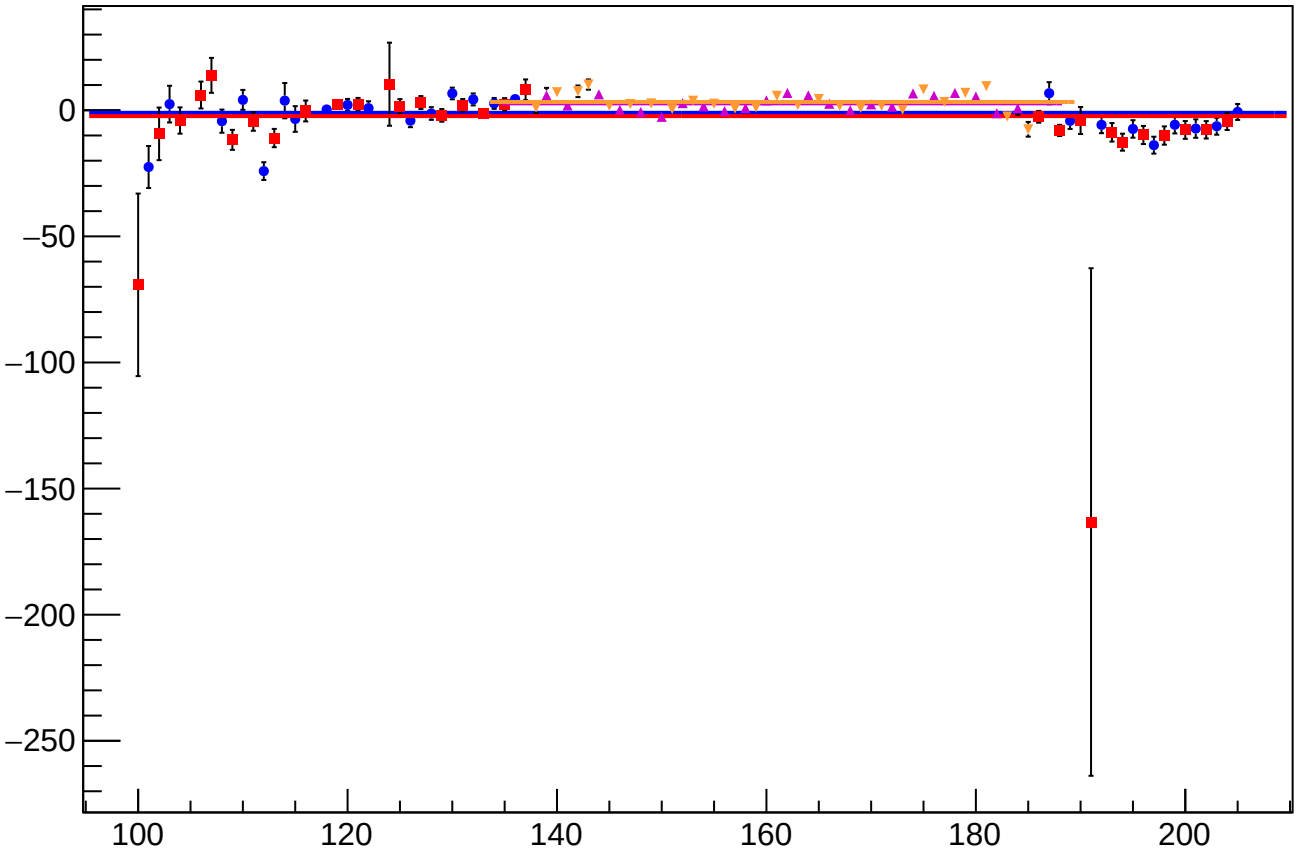
Left: 26.168+/-0.272 χ^2/NDF: 2955.3/47

Right: 9.930+/-0.321 χ^2/NDF: 9390.5/54

In: 21.366+/-0.304 χ^2/NDF:5328.4/47

Out: 17.651+/-0.283 χ^2/NDF:8431.2/54

All: 19.378+/-0.207 χ^2/NDF: 13839.5/102



Right In: -1.017+/-0.600 χ^2/NDF: 115.5/24

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.319+/-0.589 χ^2/NDF: 89.1/29

Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

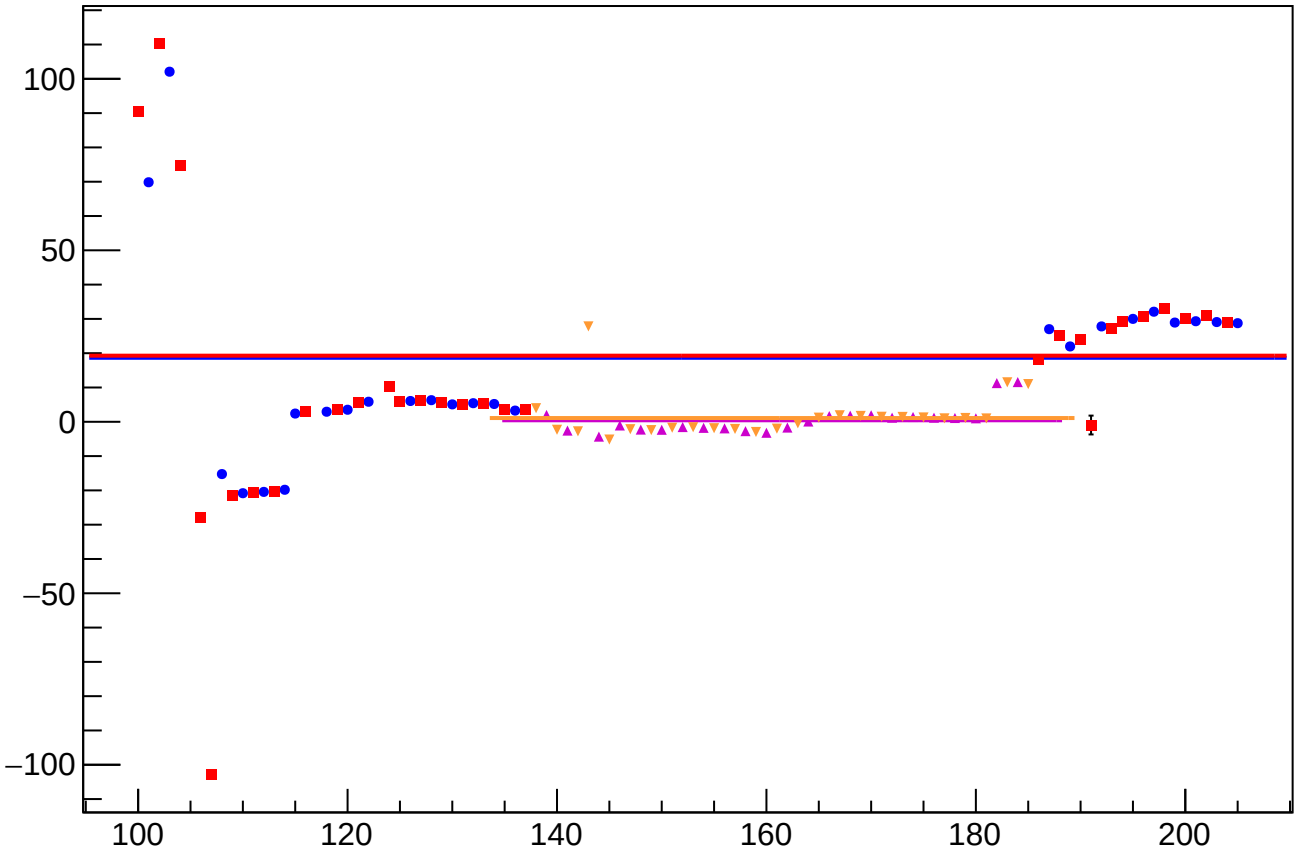
Left: 3.017+/-0.238 χ^2/NDF: 182.1/47

Right: -1.681+/-0.420 χ^2/NDF: 207.0/54

In: 1.811+/-0.297 χ^2/NDF:219.4/47

Out: 1.938+/-0.289 χ^2/NDF:264.3/54

All: 1.876+/-0.207 χ^2/NDF: 483.8/102



Right In: 18.669+/-0.029 χ^2/NDF: 465859.4/24

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 19.277+/-0.029 χ^2/NDF: 615752.7/29

Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

Left: 0.774+/-0.011 χ^2/NDF: 183195.5/47

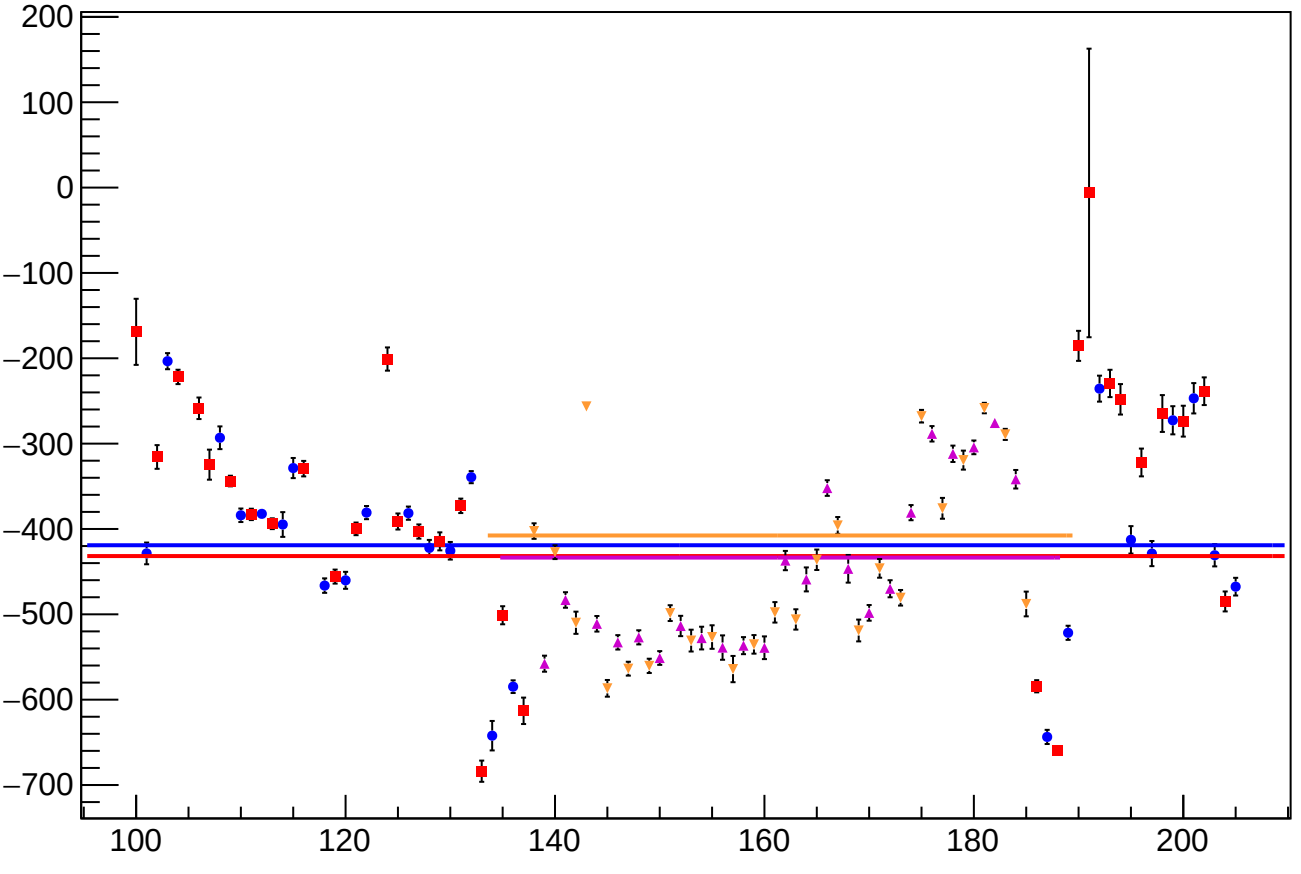
Right: 18.977+/-0.020 χ^2/NDF: 1081834.1/54

In: 4.314+/-0.013 χ^2/NDF:829272.9/47

Out: 4.924+/-0.013 χ^2/NDF:1060890.3/54

All: 4.624+/-0.009 χ^2/NDF: 1891218.7/102

reg_asym_at2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -419.059+/-1.947 χ^2/NDF: 2848.3/24

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -431.741+/-1.758 χ^2/NDF: 6331.5/29

Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

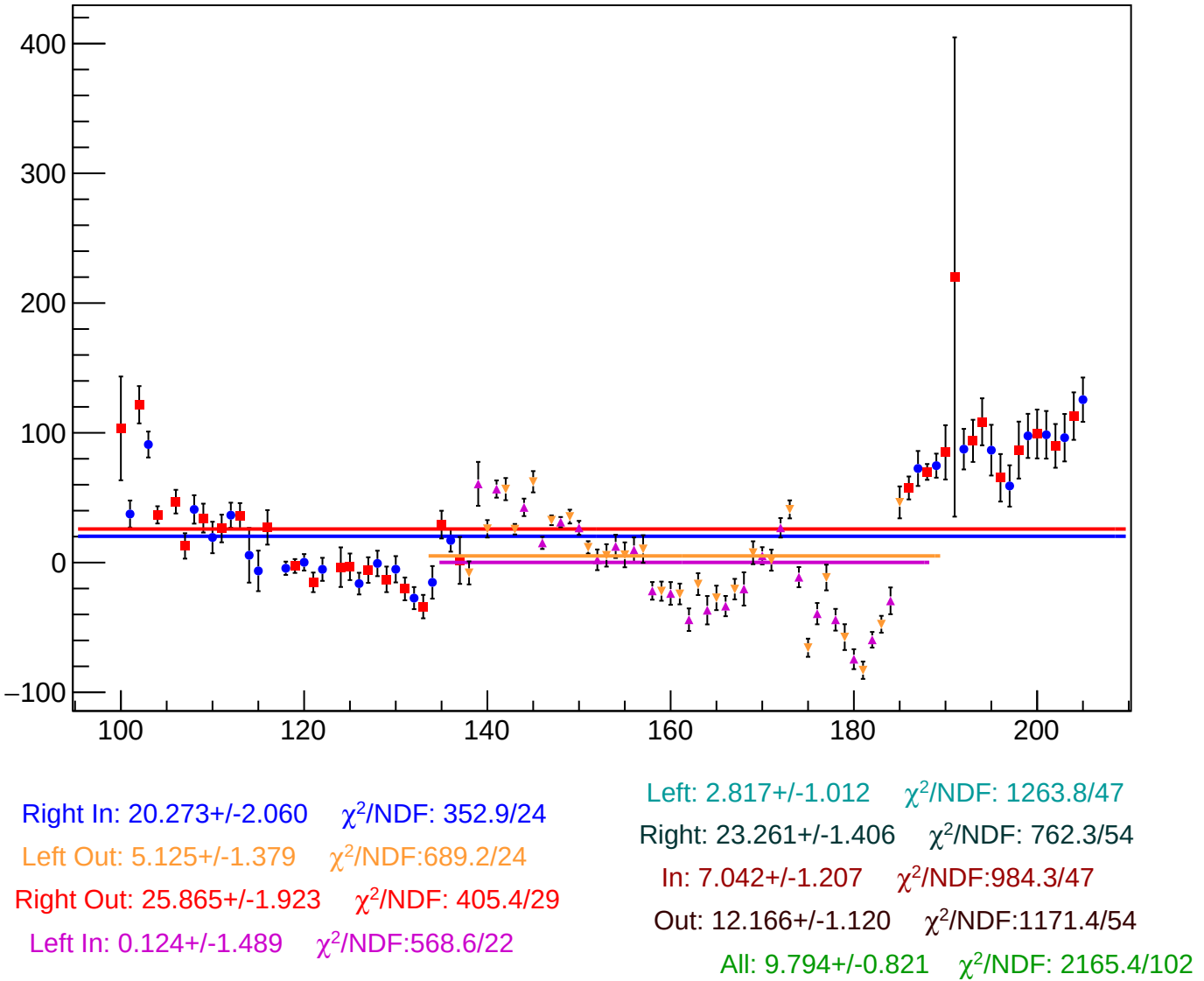
Left: -419.735+/-1.363 χ^2/NDF: 6820.1/47

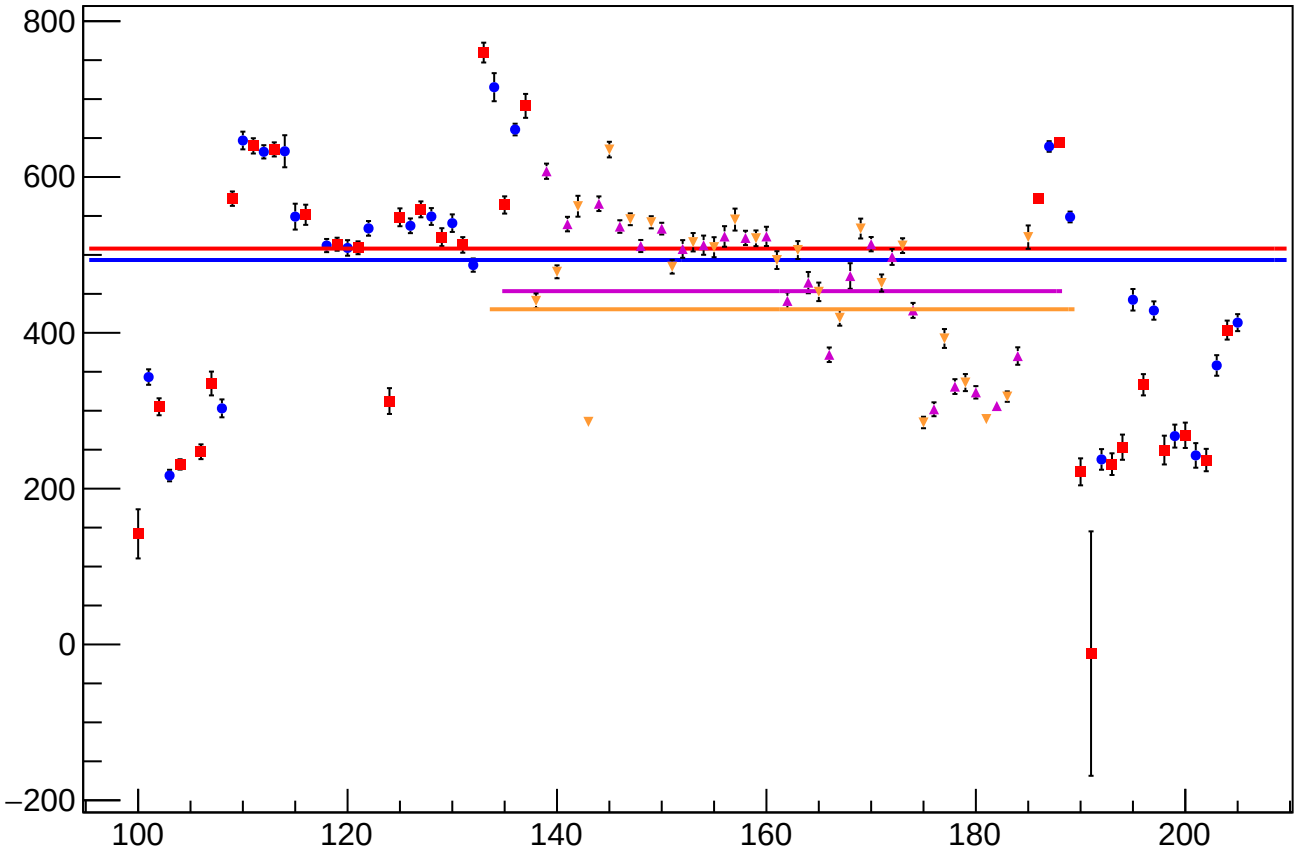
Right: -426.042+/-1.305 χ^2/NDF: 9203.3/54

In: -426.123+/-1.393 χ^2/NDF:5599.8/47

Out: -420.408+/-1.280 χ^2/NDF:10425.6/54

All: -423.026+/-0.943 χ^2/NDF: 16034.5/102


reg_asym_at2_avg_diff_bpm4aY_slope vs Slug, Sign Corrected
400
300
200
100
0
−100
100
120
140
160
180
200
Right In: 20.273+/-2.060 χ²/NDF: 352.9/24
Left Out: 5.125+/-1.379 χ²/NDF:689.2/24
Right Out: 25.865+/-1.923 χ²/NDF: 405.4/29
Left In: 0.124+/-1.489 χ²/NDF:568.6/22
Left: 2.817+/-1.012 χ²/NDF: 1263.8/47
Right: 23.261+/-1.406 χ²/NDF: 762.3/54
In: 7.042+/-1.207 χ²/NDF:984.3/47
Out: 12.166+/-1.120 χ²/NDF:1171.4/54
All: 9.794+/-0.821 χ²/NDF: 2165.4/102



Right In: 493.470+/-2.023 χ^2/NDF: 4732.4/24

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 508.123+/-1.765 χ^2/NDF: 7837.5/29

Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

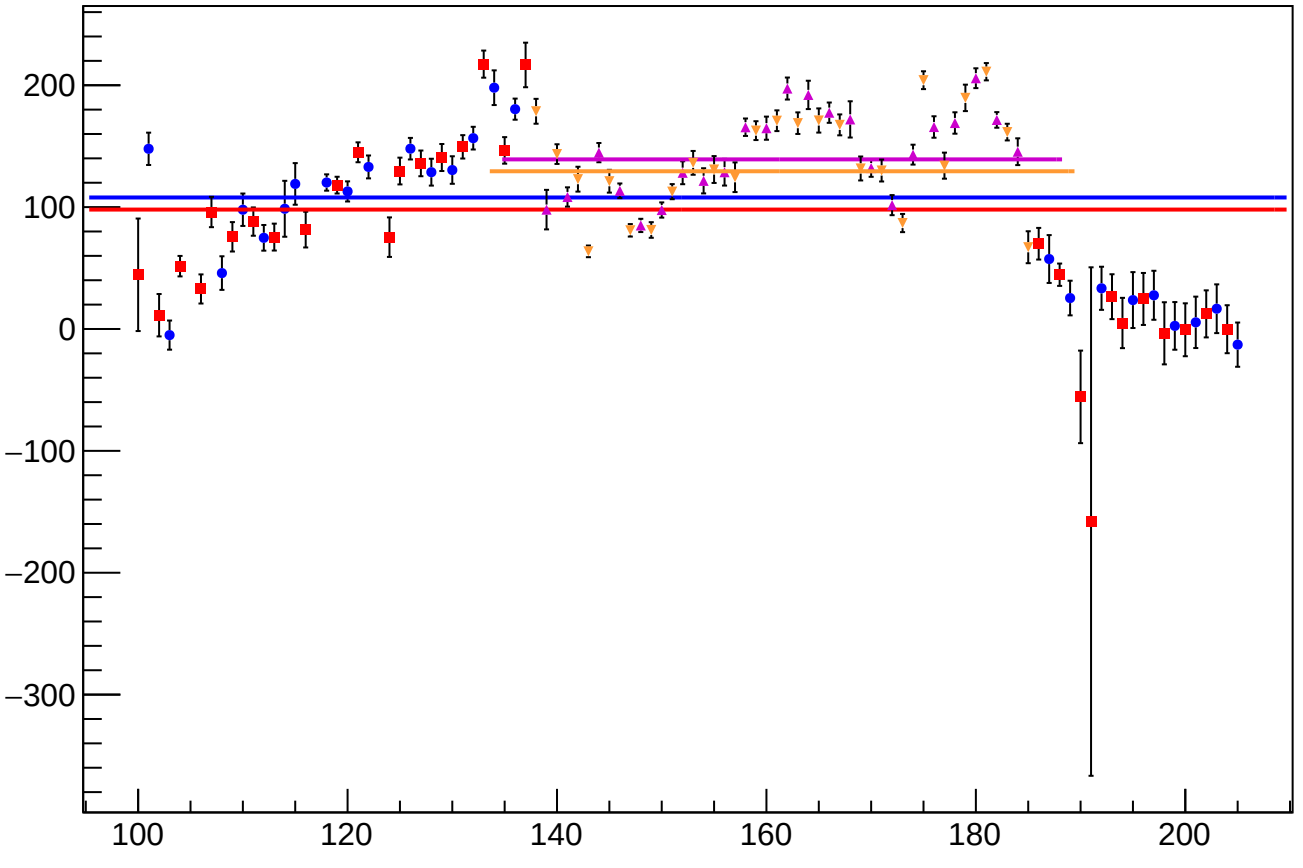
Left: 441.183+/-1.354 χ^2/NDF: 5898.2/47

Right: 501.789+/-1.330 χ^2/NDF: 12599.7/54

In: 472.988+/-1.413 χ^2/NDF:7352.1/47

Out: 471.232+/-1.281 χ^2/NDF:12164.4/54

All: 472.024+/-0.949 χ^2/NDF: 19517.3/102



Right In: 107.907+/-2.422 χ^2/NDF: 511.1/24

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 97.984+/-2.298 χ^2/NDF: 566.5/29

Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

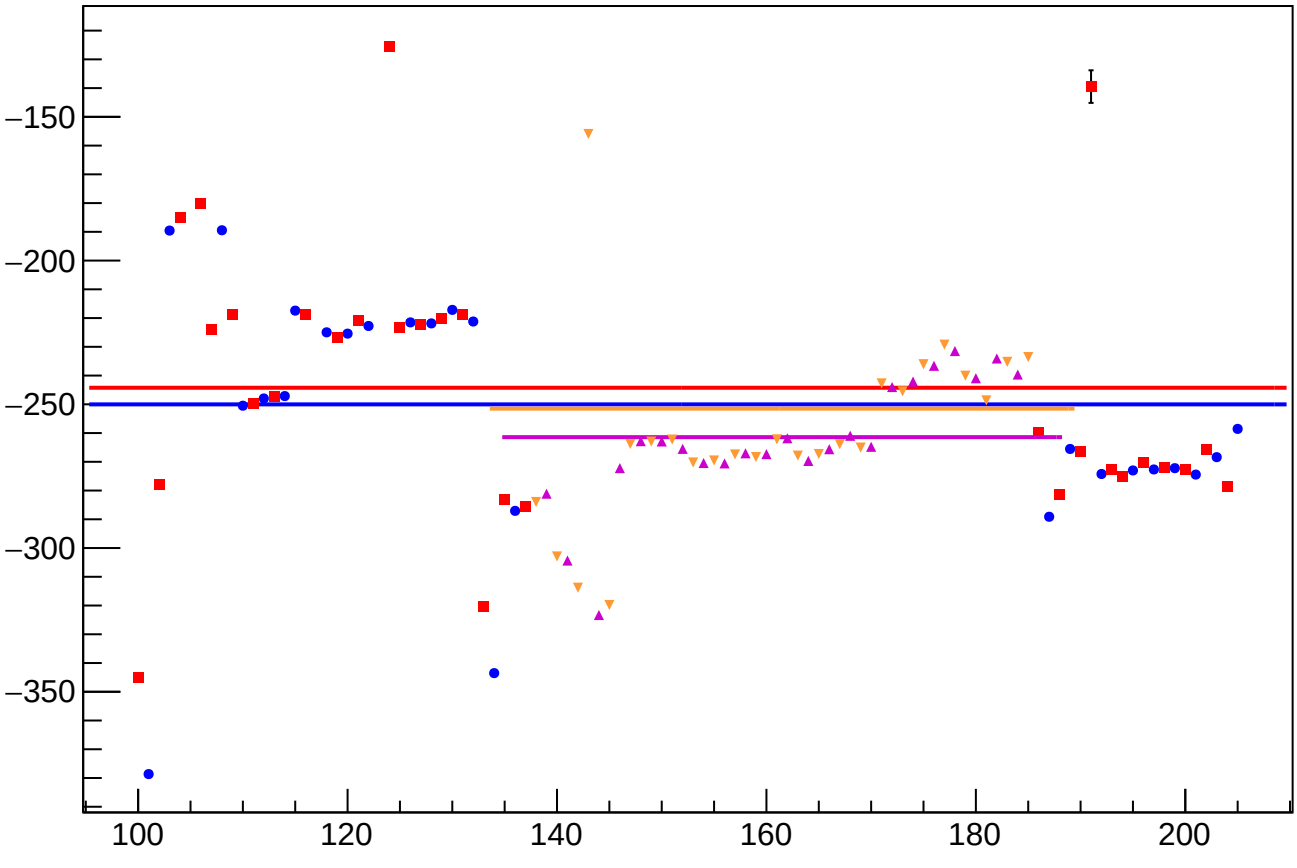
Left: 133.959+/-1.164 χ^2/NDF: 1265.9/47

Right: 102.684+/-1.667 χ^2/NDF: 1086.5/54

In: 128.810+/-1.394 χ^2/NDF:1056.6/47

Out: 119.218+/-1.309 χ^2/NDF:1507.2/54

All: 123.712+/-0.954 χ^2/NDF: 2589.0/102



Right In: -250.024+/-0.125 χ^2/NDF: 148021.8/24

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -244.240+/-0.120 χ^2/NDF: 112473.3/29

Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

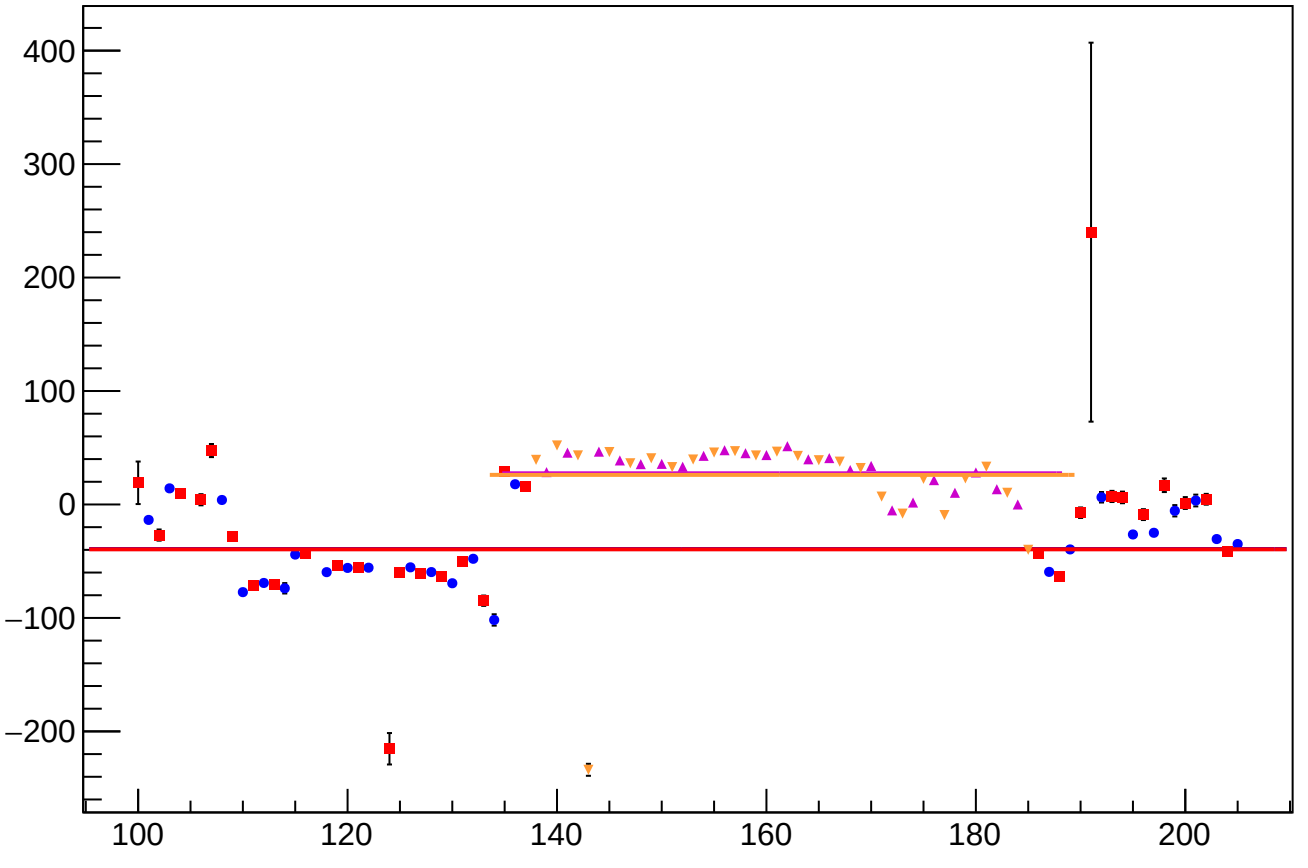
Left: -256.253+/-0.054 χ^2/NDF: 332939.5/47

Right: -247.003+/-0.087 χ^2/NDF: 261608.0/54

In: -258.248+/-0.066 χ^2/NDF:223552.4/47

Out: -249.478+/-0.063 χ^2/NDF:370049.4/54

All: -253.672+/-0.046 χ^2/NDF: 602774.6/102



Right In: -39.269+/-0.617 χ^2/NDF: 2715.0/24

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -39.515+/-0.546 χ^2/NDF: 3235.0/29

Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

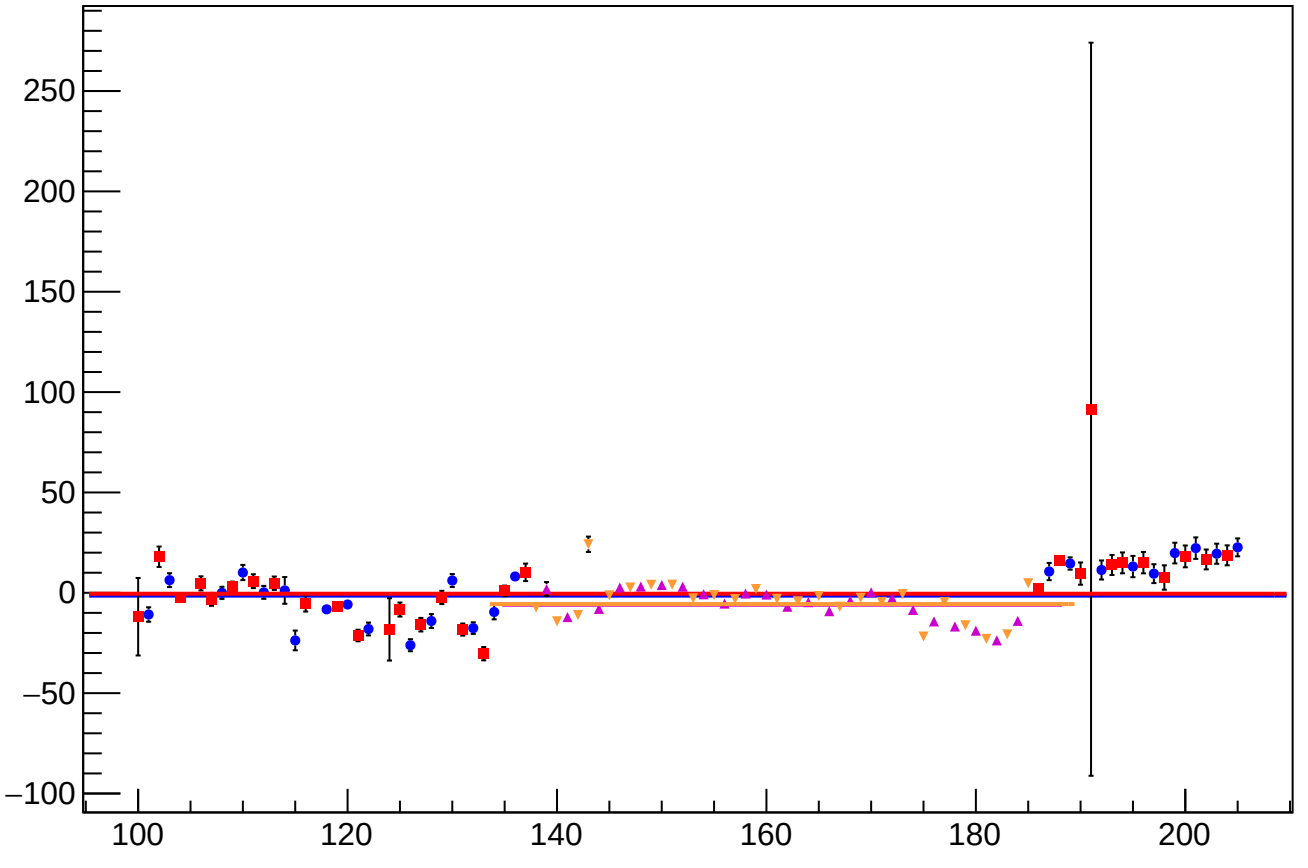
Left: 26.766+/-0.278 χ^2/NDF: 6400.2/47

Right: -39.407+/-0.409 χ^2/NDF: 5950.0/54

In: 7.993+/-0.333 χ^2/NDF:12619.9/47

Out: 3.969+/-0.317 χ^2/NDF:17574.7/54

All: 5.883+/-0.230 χ^2/NDF: 30271.1/102



Right In: -1.397+/-0.672 χ^2/NDF: 367.1/24

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: -0.466+/-0.623 χ^2/NDF: 370.5/29

Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

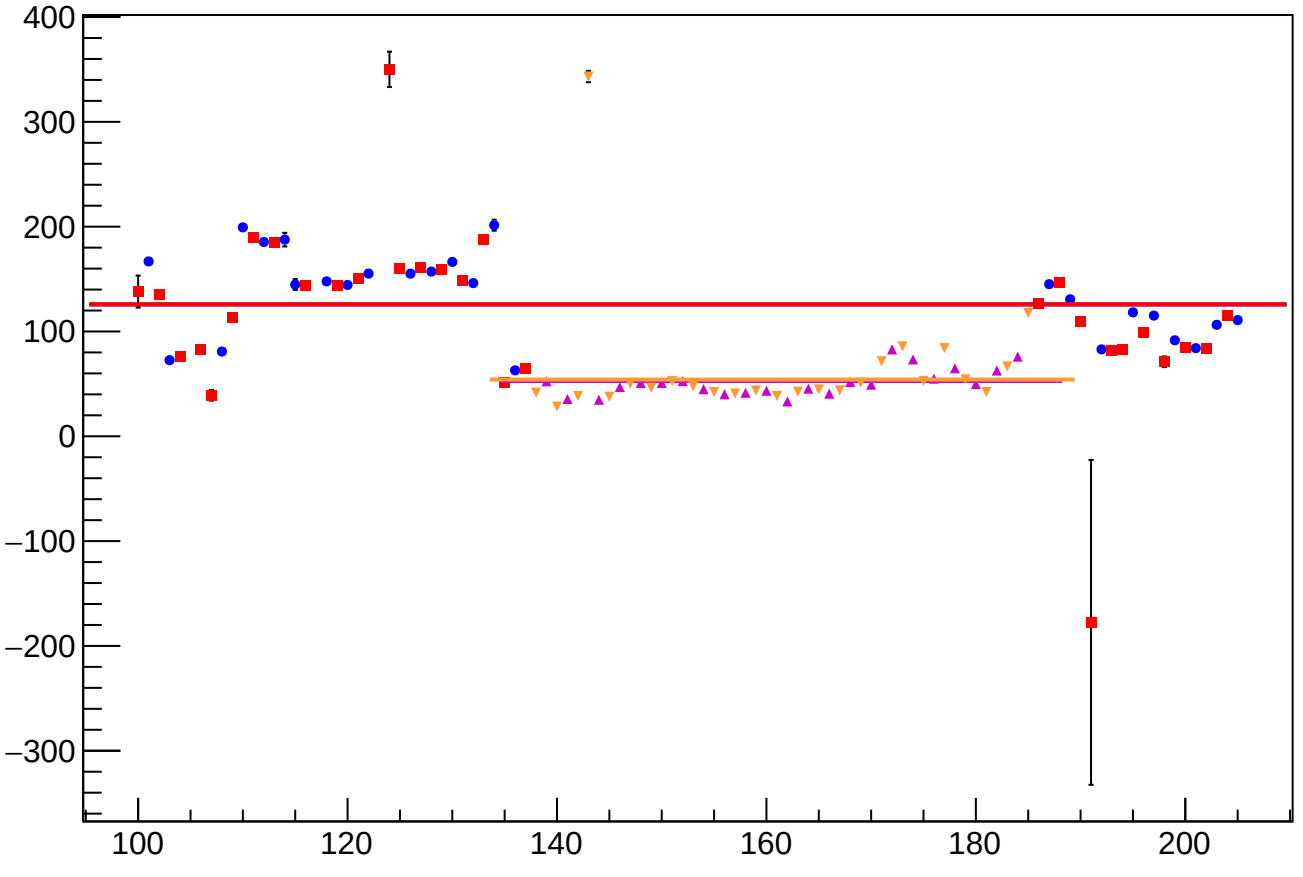
Left: -5.779+/-0.216 χ^2/NDF: 1606.1/47

Right: -0.896+/-0.457 χ^2/NDF: 738.6/54

In: -5.148+/-0.281 χ^2/NDF:1117.0/47

Out: -4.645+/-0.272 χ^2/NDF:1319.3/54

All: -4.888+/-0.195 χ^2/NDF: 2438.0/102



Right In: 125.776+/-0.637 χ^2/NDF: 4055.6/24

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.945+/-0.551 χ^2/NDF: 4360.5/29

Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

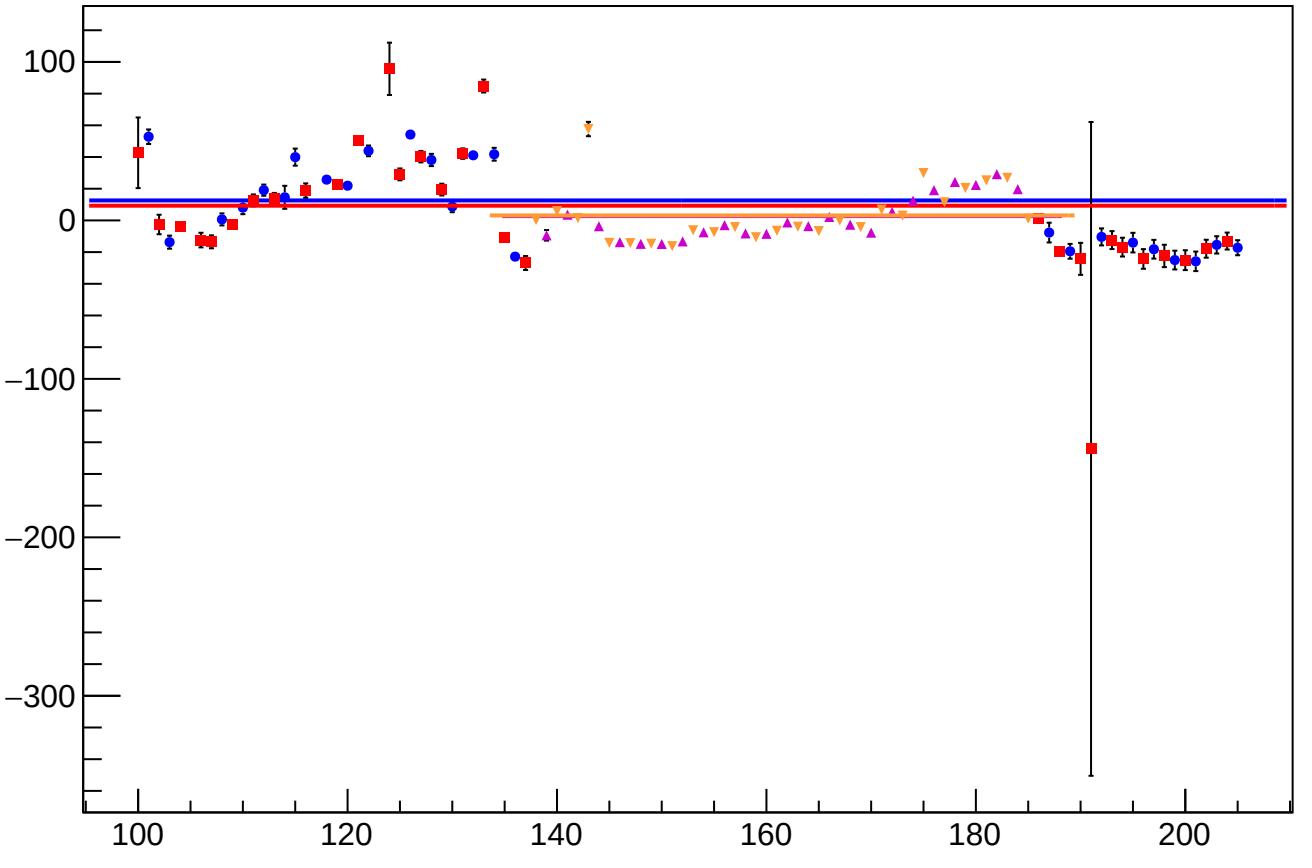
Left: 53.469+/-0.276 χ^2/NDF: 5575.7/47

Right: 125.872+/-0.417 χ^2/NDF: 8416.2/54

In: 72.898+/-0.334 χ^2/NDF:14551.1/47

Out: 77.865+/-0.317 χ^2/NDF:20321.8/54

All: 75.514+/-0.230 χ^2/NDF: 34989.3/102



Right In: 12.599+/-0.779 χ^2/NDF: 1180.6/24

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 9.292+/-0.742 χ^2/NDF: 1266.6/29

Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

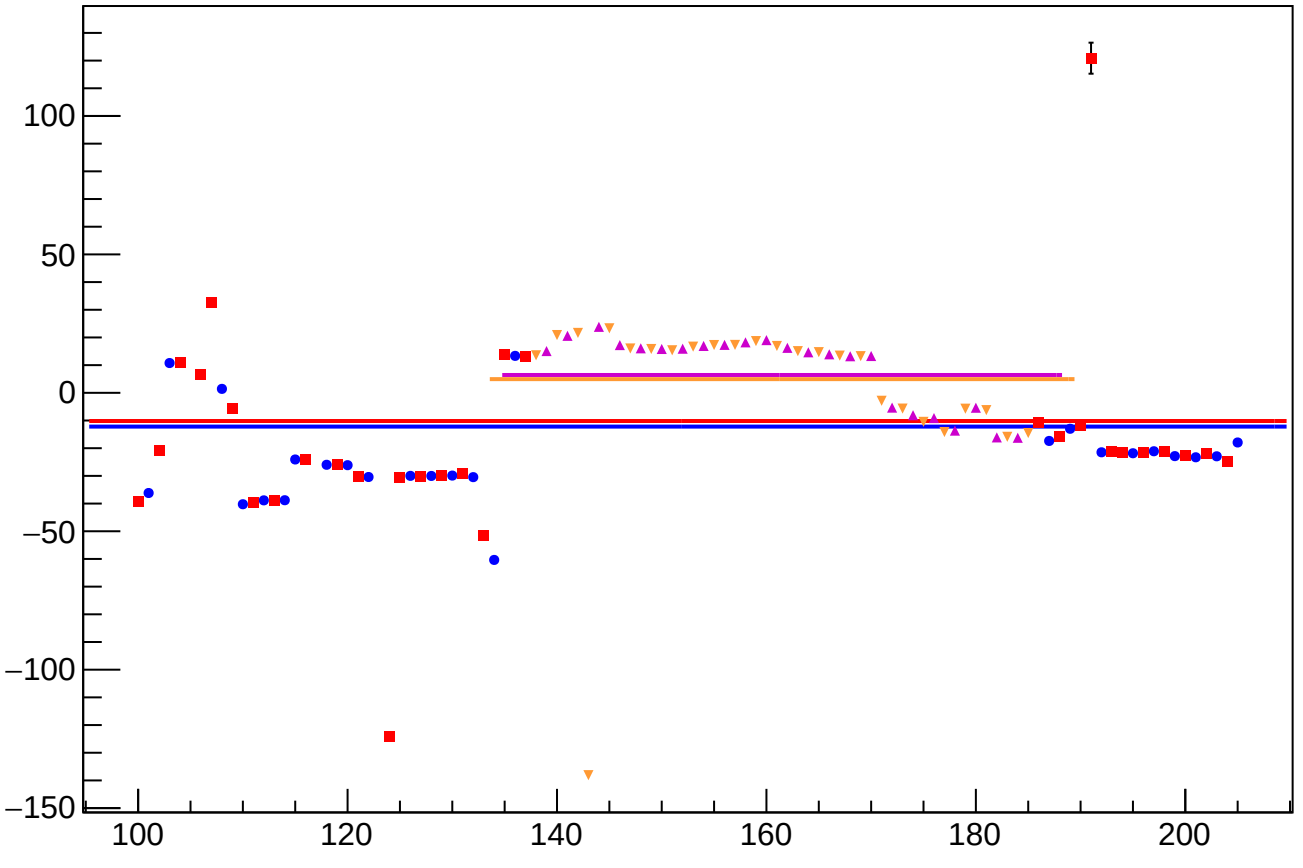
Left: 2.943+/-0.243 χ^2/NDF: 3748.4/47

Right: 10.864+/-0.538 χ^2/NDF: 2456.6/54

In: 4.353+/-0.317 χ^2/NDF:3049.8/47

Out: 4.219+/-0.309 χ^2/NDF:3335.5/54

All: 4.284+/-0.221 χ^2/NDF: 6385.4/102



Right In: -12.197+/-0.038 χ^2/NDF: 295307.7/24

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.180+/-0.037 χ^2/NDF: 273222.5/29

Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

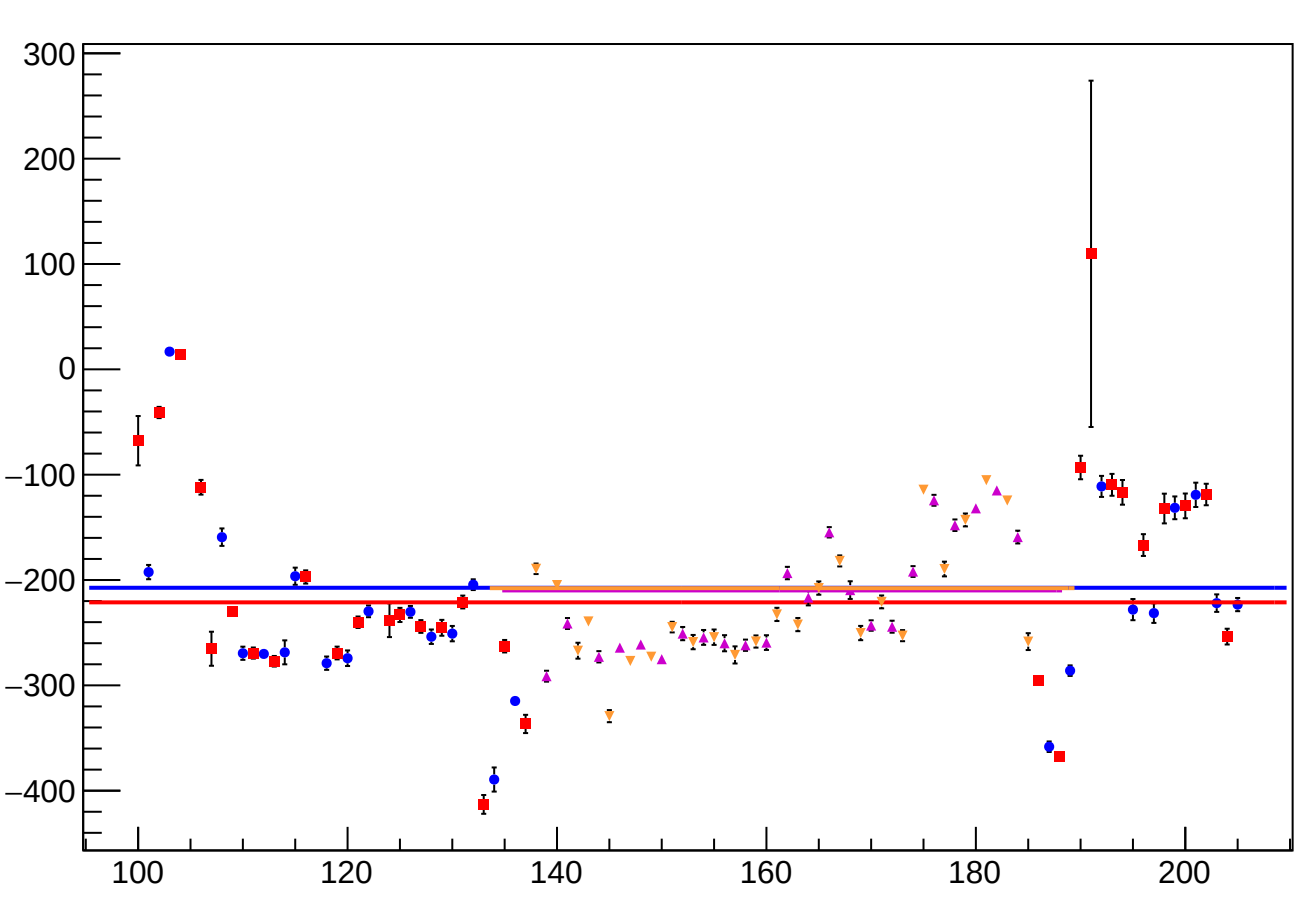
Left: 5.689+/-0.011 χ^2/NDF: 1871009.0/47

Right: -11.173+/-0.026 χ^2/NDF: 569992.7/54

In: 3.784+/-0.014 χ^2/NDF:1235846.6/47

Out: 2.760+/-0.014 χ^2/NDF:1552501.9/54

All: 3.267+/-0.010 χ^2/NDF: 2790969.7/102



Right In: -207.360+/-1.227 χ^2/NDF: 8735.0/24

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -221.212+/-1.111 χ^2/NDF: 12187.9/29

Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

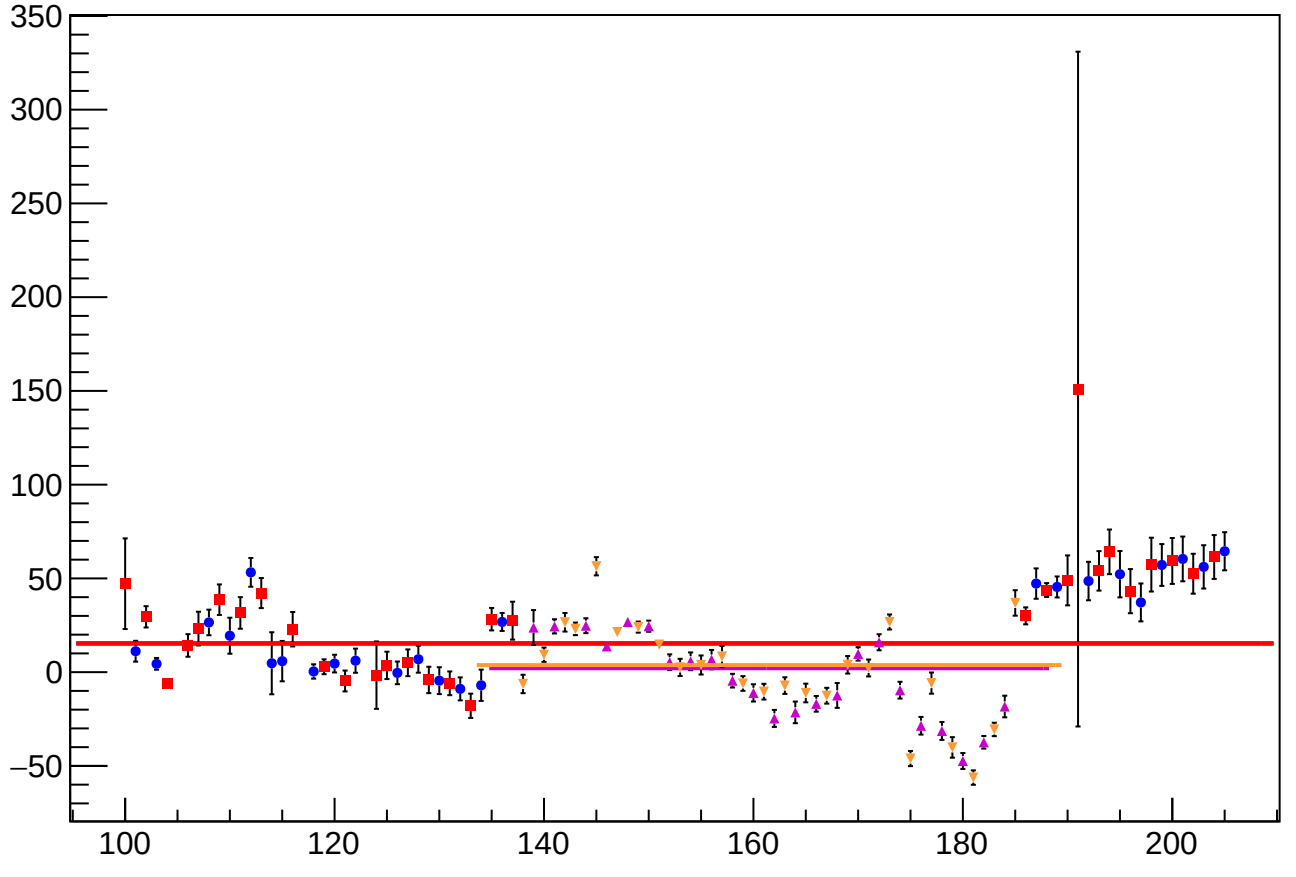
Left: -208.779+/-0.767 χ^2/NDF: 6500.9/47

Right: -214.969+/-0.824 χ^2/NDF: 20993.0/54

In: -208.753+/-0.820 χ^2/NDF:11749.2/47

Out: -214.221+/-0.771 χ^2/NDF:15751.3/54

All: -211.655+/-0.561 χ^2/NDF: 27524.2/102



Right In: 15.396+/-1.303 χ^2/NDF: 240.6/24

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 15.180+/-1.176 χ^2/NDF: 353.0/29

Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

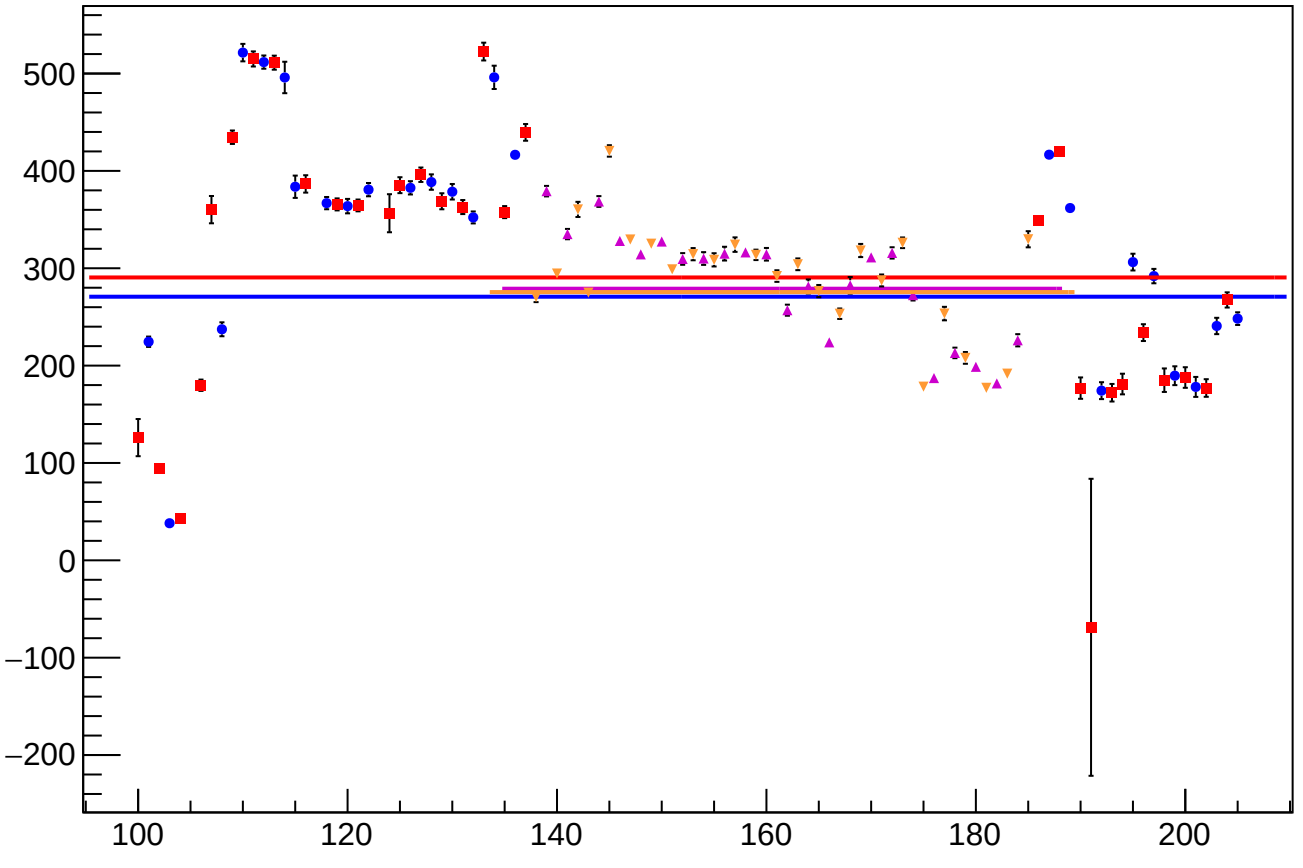
Left: 2.959+/-0.568 χ^2/NDF: 1744.5/47

Right: 15.277+/-0.873 χ^2/NDF: 593.6/54

In: 5.856+/-0.694 χ^2/NDF:1085.6/47

Out: 7.301+/-0.654 χ^2/NDF:1390.1/54

All: 6.621+/-0.476 χ^2/NDF: 2478.0/102



Right In: 270.769+/-1.183 χ^2/NDF: 17606.9/24

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 290.547+/-1.040 χ^2/NDF: 21889.3/29

Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

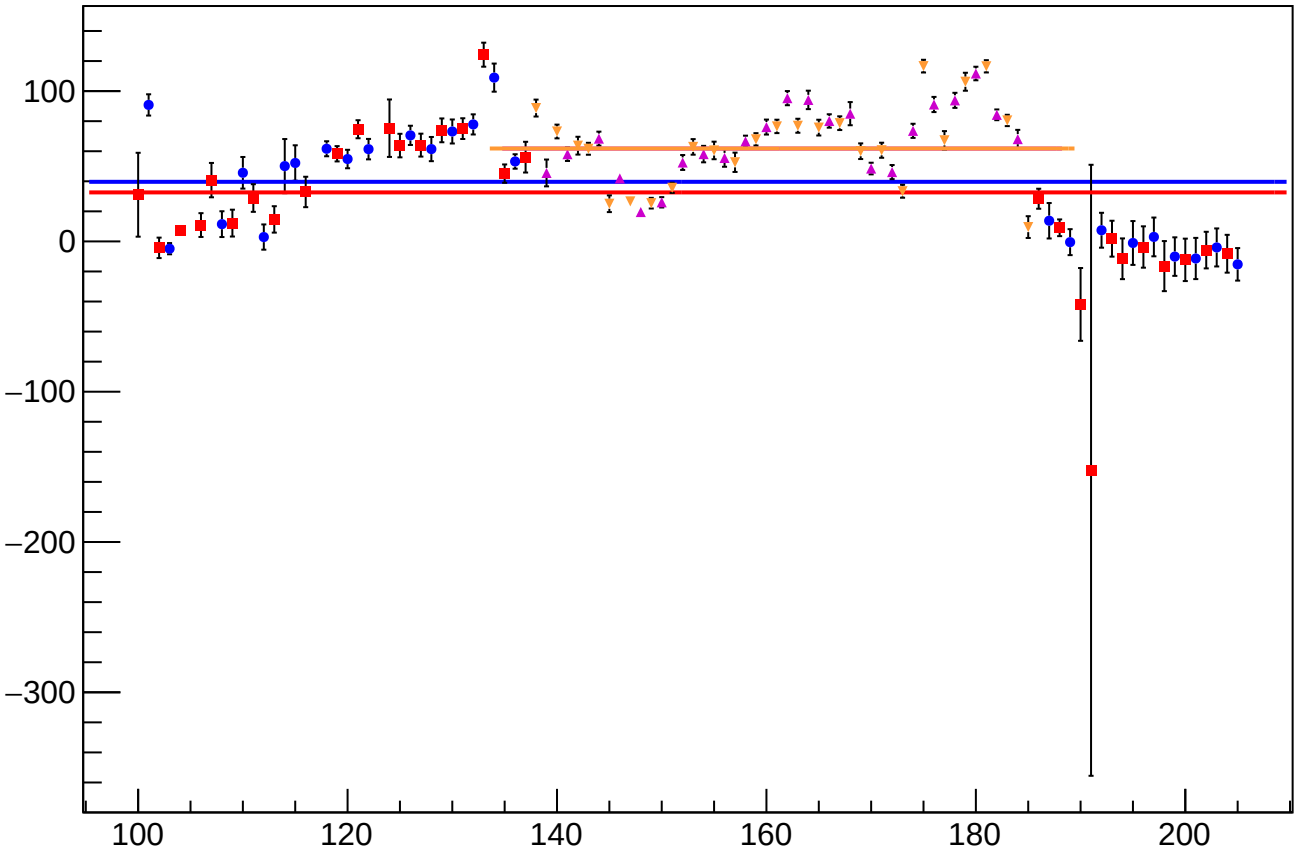
Left: 277.219+/-0.760 χ^2/NDF: 6443.0/47

Right: 281.923+/-0.781 χ^2/NDF: 39653.9/54

In: 275.218+/-0.801 χ^2/NDF:20747.7/47

Out: 283.199+/-0.743 χ^2/NDF:25314.4/54

All: 279.508+/-0.545 χ^2/NDF: 46115.5/102



Right In: 39.651+/-1.535 χ^2/NDF: 522.1/24

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 32.602+/-1.431 χ^2/NDF: 525.1/29

Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

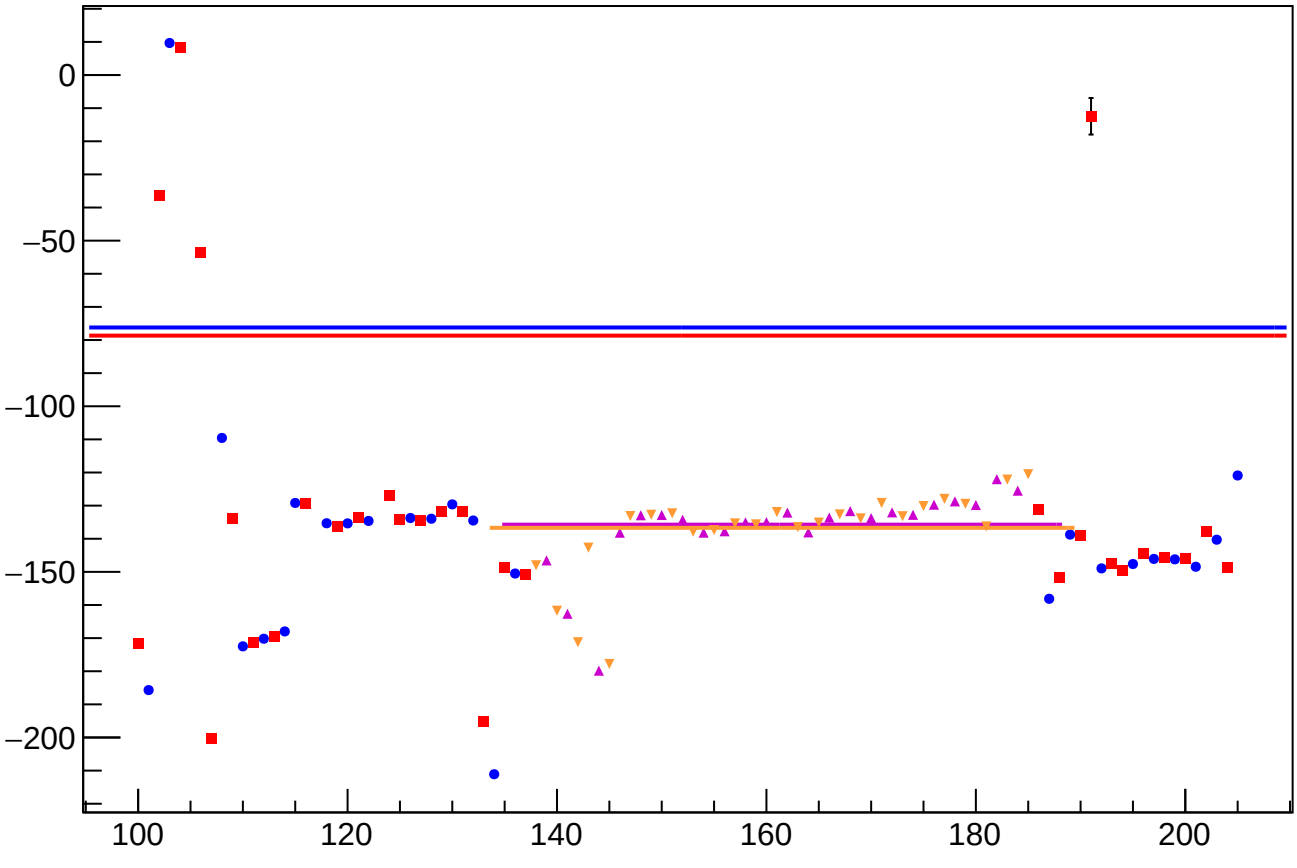
Left: 61.791+/-0.652 χ^2/NDF: 1695.5/47

Right: 35.879+/-1.046 χ^2/NDF: 1058.5/54

In: 55.744+/-0.801 χ^2/NDF:1409.1/47

Out: 53.434+/-0.766 χ^2/NDF:1782.0/54

All: 54.538+/-0.554 χ^2/NDF: 3195.5/102



Right In: -76.214+/-0.065 χ^2/NDF: 1508766.8/24

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -78.671+/-0.065 χ^2/NDF: 1210367.3/29

Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

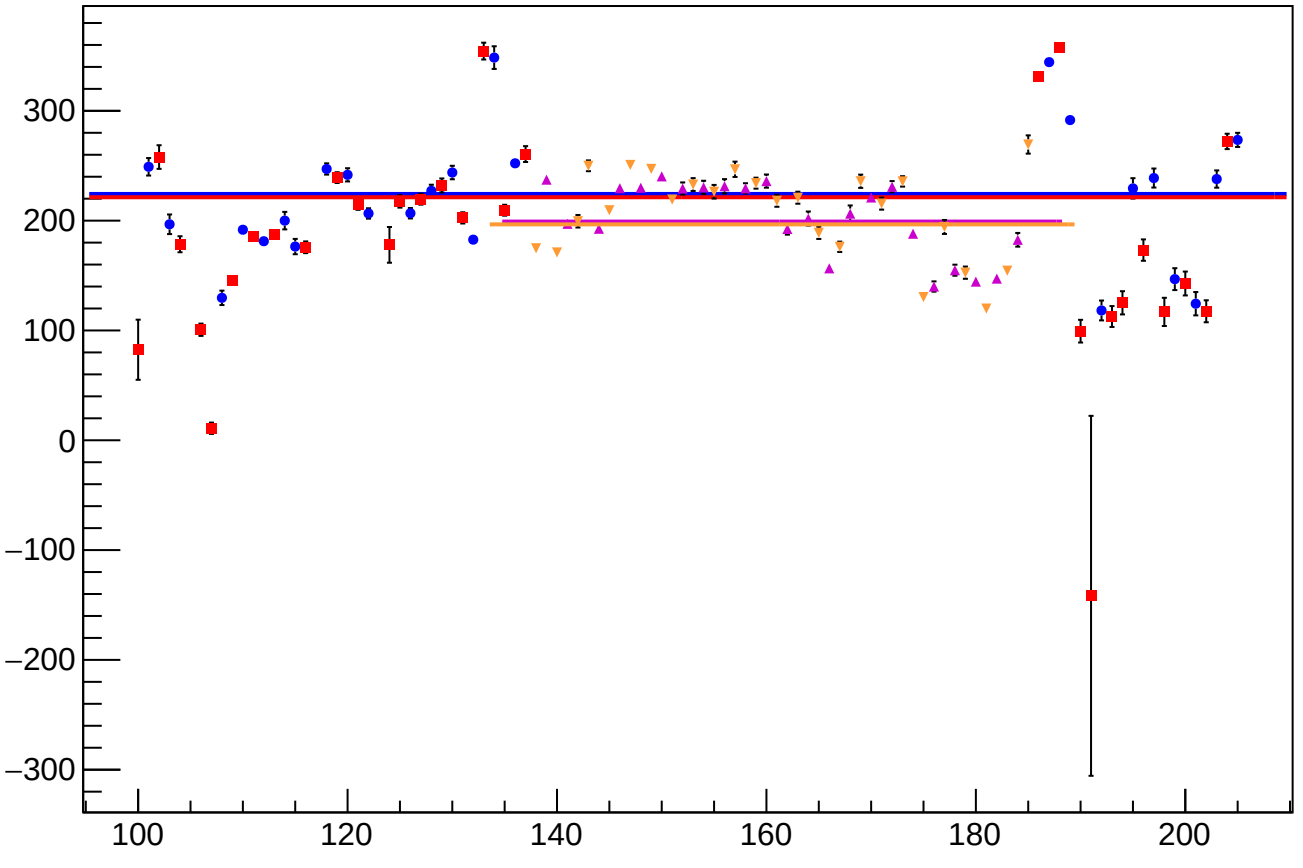
Left: -136.226+/-0.030 χ^2/NDF: 142938.0/47

Right: -77.446+/-0.046 χ^2/NDF: 2719854.1/54

In: -117.669+/-0.036 χ^2/NDF:2159778.1/47

Out: -119.340+/-0.035 χ^2/NDF:1853592.1/54

All: -118.512+/-0.025 χ^2/NDF: 4014475.1/10



Right In: 224.320+/-1.126 χ^2/NDF: 2163.5/24

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.304+/-0.988 χ^2/NDF: 8143.3/29

Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

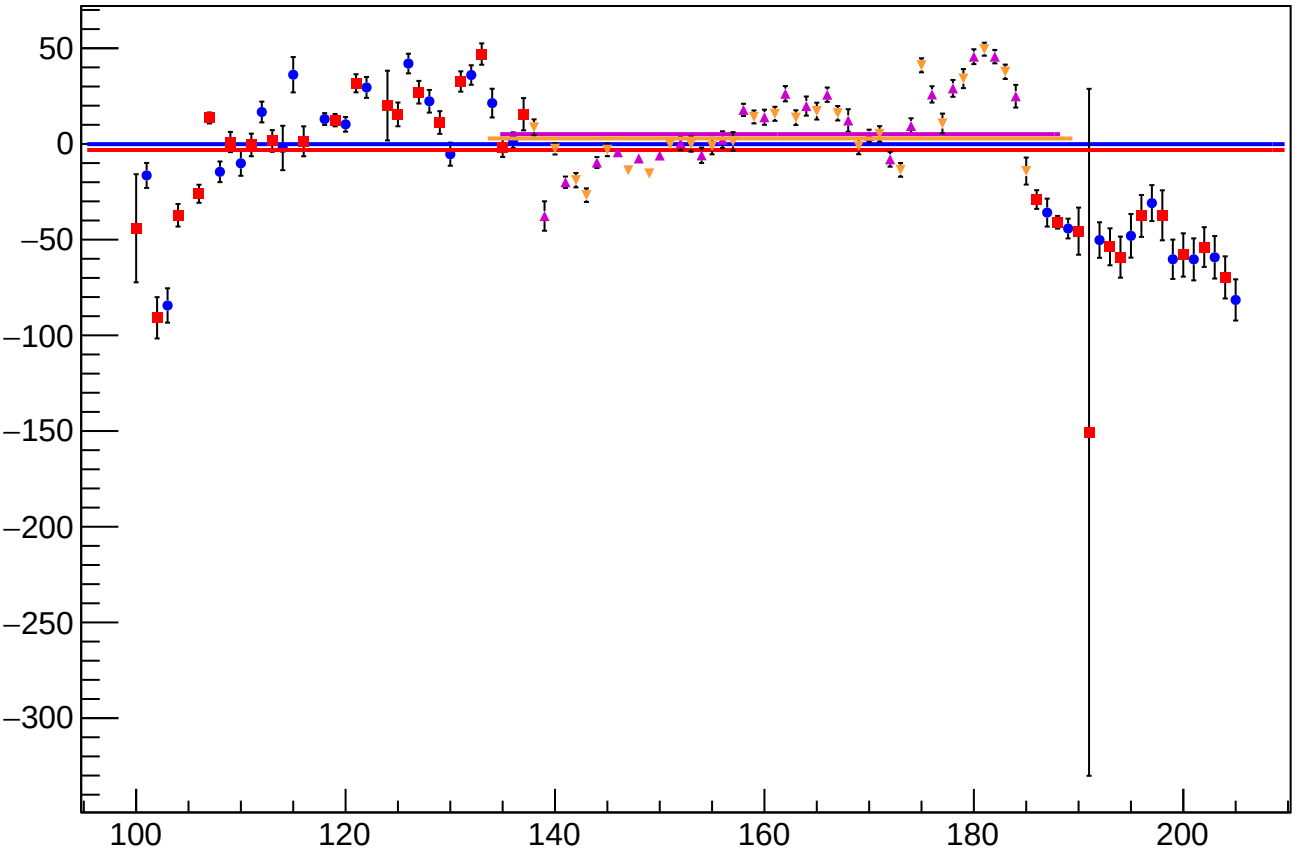
Left: 197.849+/-0.678 χ^2/NDF: 3373.6/47

Right: 222.615+/-0.743 χ^2/NDF: 10310.8/54

In: 209.908+/-0.736 χ^2/NDF:3744.1/47

Out: 208.431+/-0.683 χ^2/NDF:10544.5/54

All: 209.115+/-0.501 χ^2/NDF: 14290.8/102



Right In: -0.111+/-1.209 χ^2/NDF: 629.1/24

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -3.165+/-1.075 χ^2/NDF: 738.1/29

Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

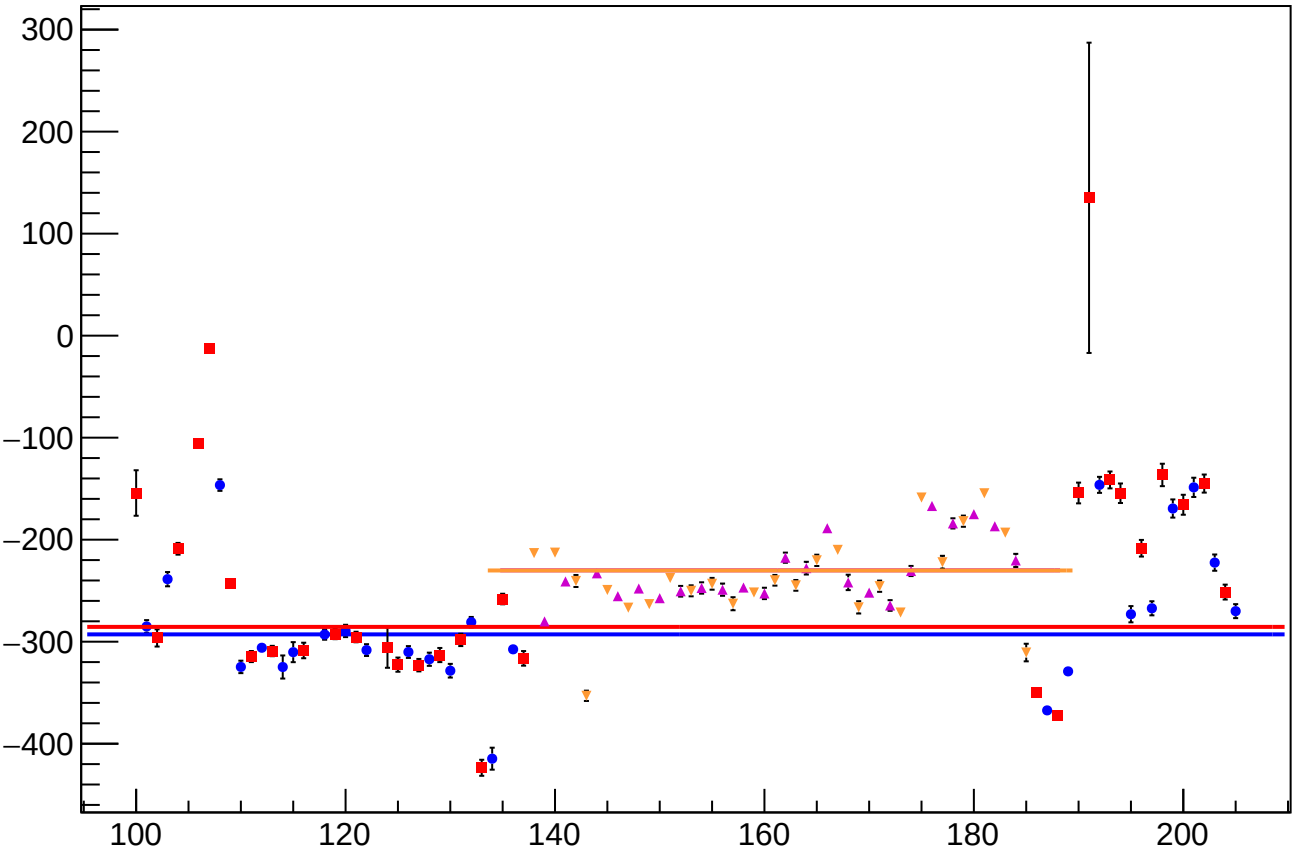
Left: 3.958+/-0.499 χ^2/NDF: 1386.5/47

Right: -1.816+/-0.803 χ^2/NDF: 1370.8/54

In: 3.760+/-0.617 χ^2/NDF:1271.5/47

Out: 1.099+/-0.583 χ^2/NDF:1513.2/54

All: 2.352+/-0.424 χ^2/NDF: 2794.6/102



Right In: -292.827+/-1.178 χ^2/NDF: 2362.3/24

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -285.488+/-0.997 χ^2/NDF: 9906.9/29

Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

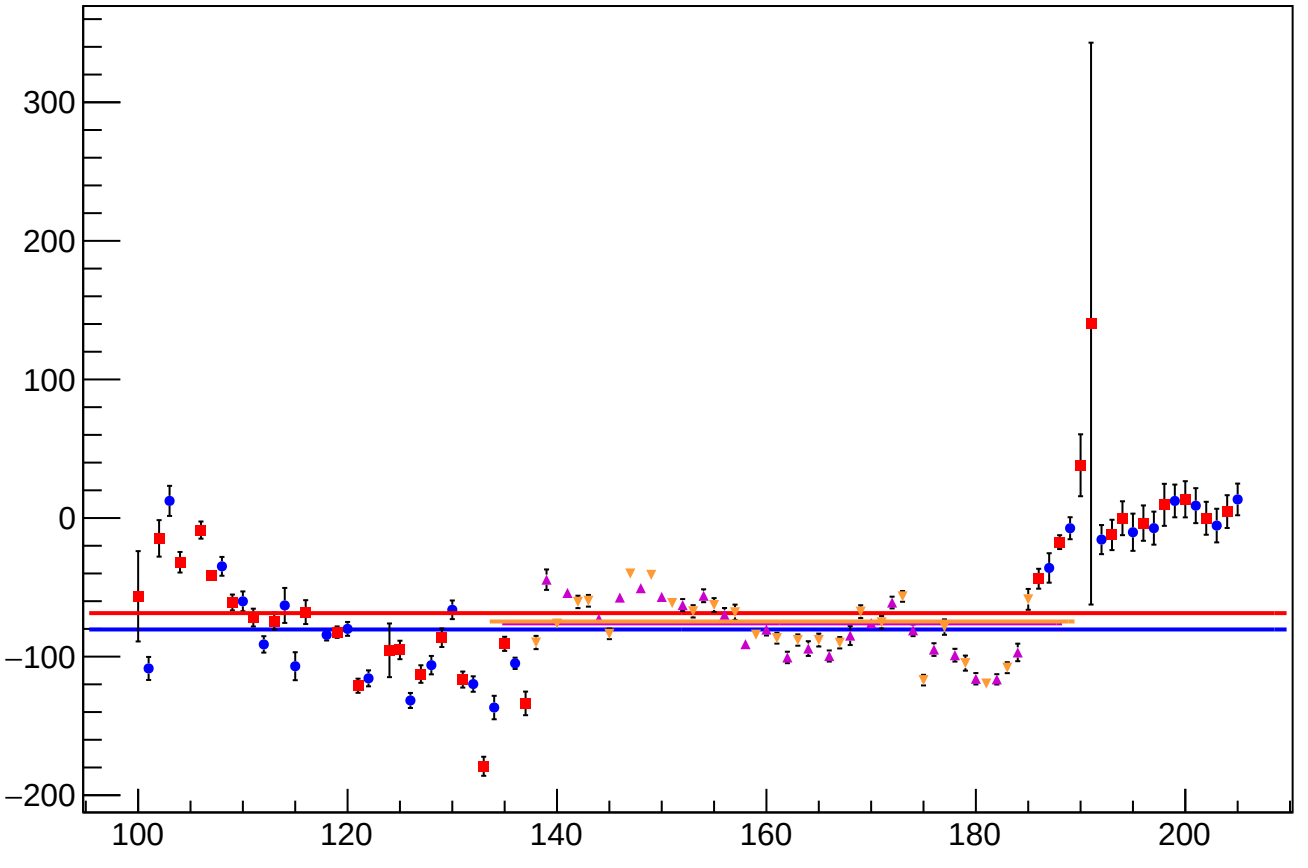
Left: -230.116+/-0.672 χ^2/NDF: 3275.9/47

Right: -288.551+/-0.761 χ^2/NDF: 12291.9/54

In: -255.125+/-0.745 χ^2/NDF:5161.2/47

Out: -256.178+/-0.684 χ^2/NDF:13719.5/54

All: -255.696+/-0.504 χ^2/NDF: 18881.8/102



Right In: -80.413+/-1.416 χ^2/NDF: 849.1/24

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -68.615+/-1.291 χ^2/NDF: 1148.4/29

Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

Left: -75.315+/-0.574 χ^2/NDF: 1478.5/47

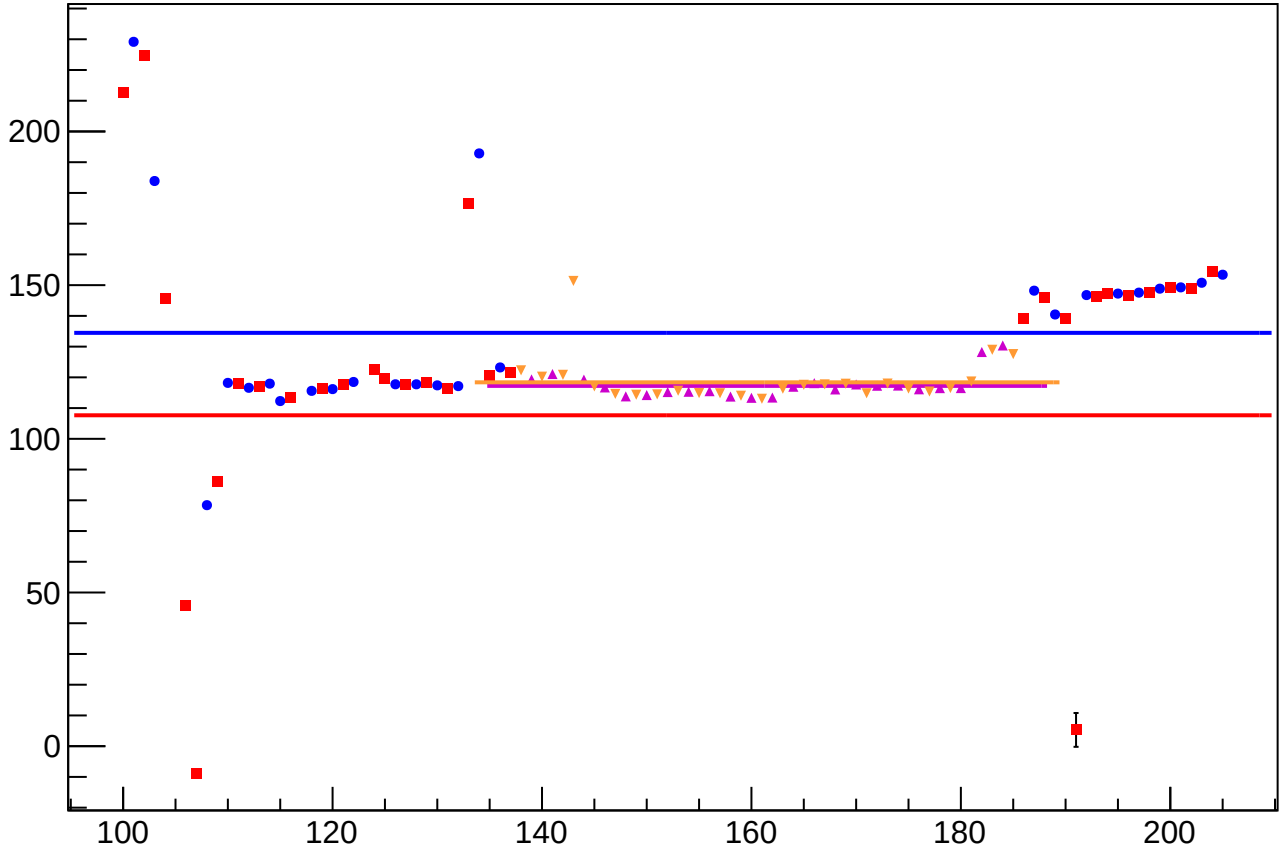
Right: -73.971+/-0.954 χ^2/NDF: 2035.5/54

In: -77.136+/-0.712 χ^2/NDF:1502.3/47

Out: -72.968+/-0.680 χ^2/NDF:1995.2/54

All: -74.957+/-0.492 χ^2/NDF: 3515.4/102

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 134.478+/-0.074 χ^2/NDF: 197802.5/24

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 107.659+/-0.066 χ^2/NDF: 750783.4/29

Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

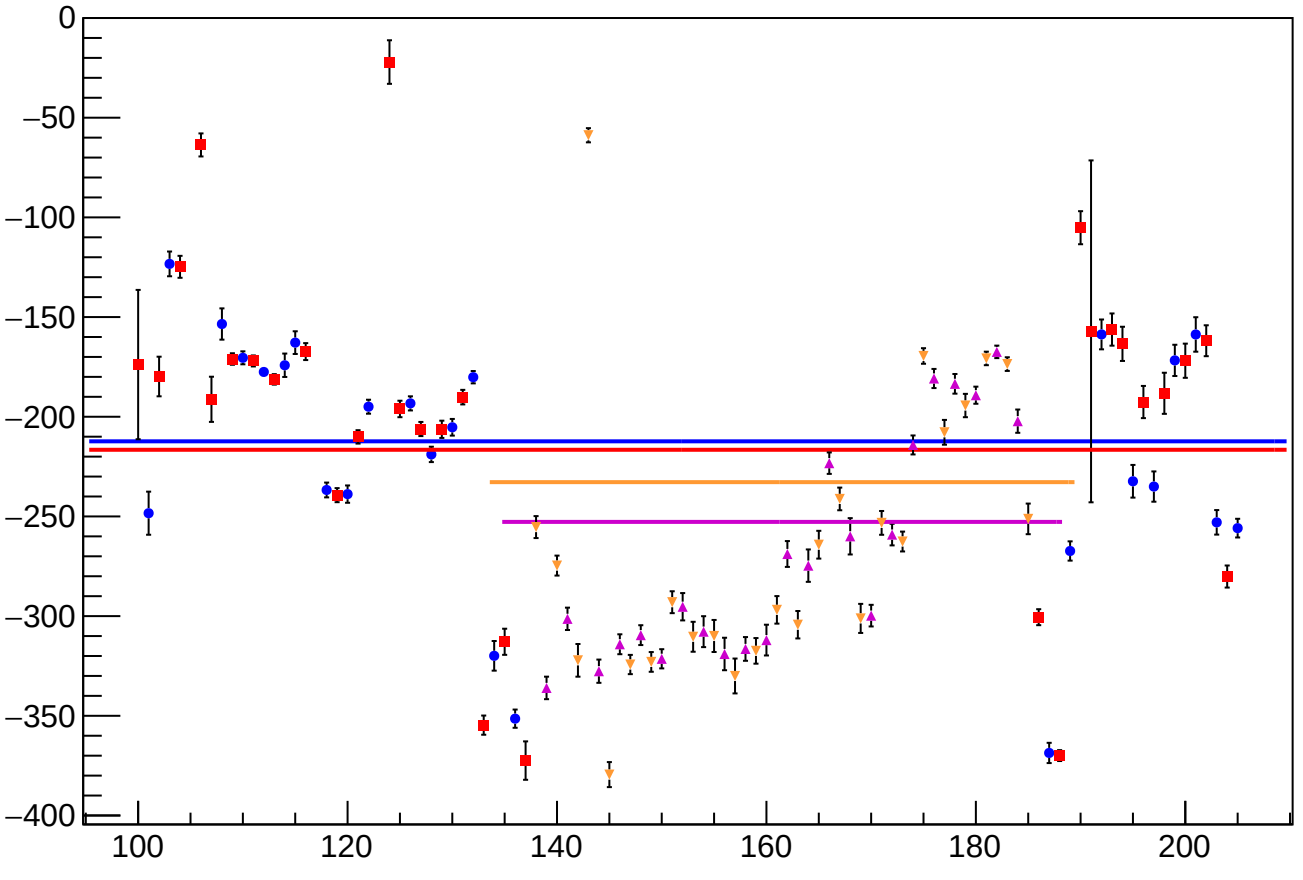
Left: 117.809+/-0.026 χ^2/NDF: 45643.3/47

Right: 119.574+/-0.050 χ^2/NDF: 1020907.3/54

In: 120.740+/-0.034 χ^2/NDF:250915.8/47

Out: 115.817+/-0.033 χ^2/NDF:805519.5/54

All: 118.201+/-0.023 χ^2/NDF: 1067538.2/102



Right In: -212.324+/-0.918 χ^2/NDF: 3479.7/24

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -216.567+/-0.851 χ^2/NDF: 7665.3/29

Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

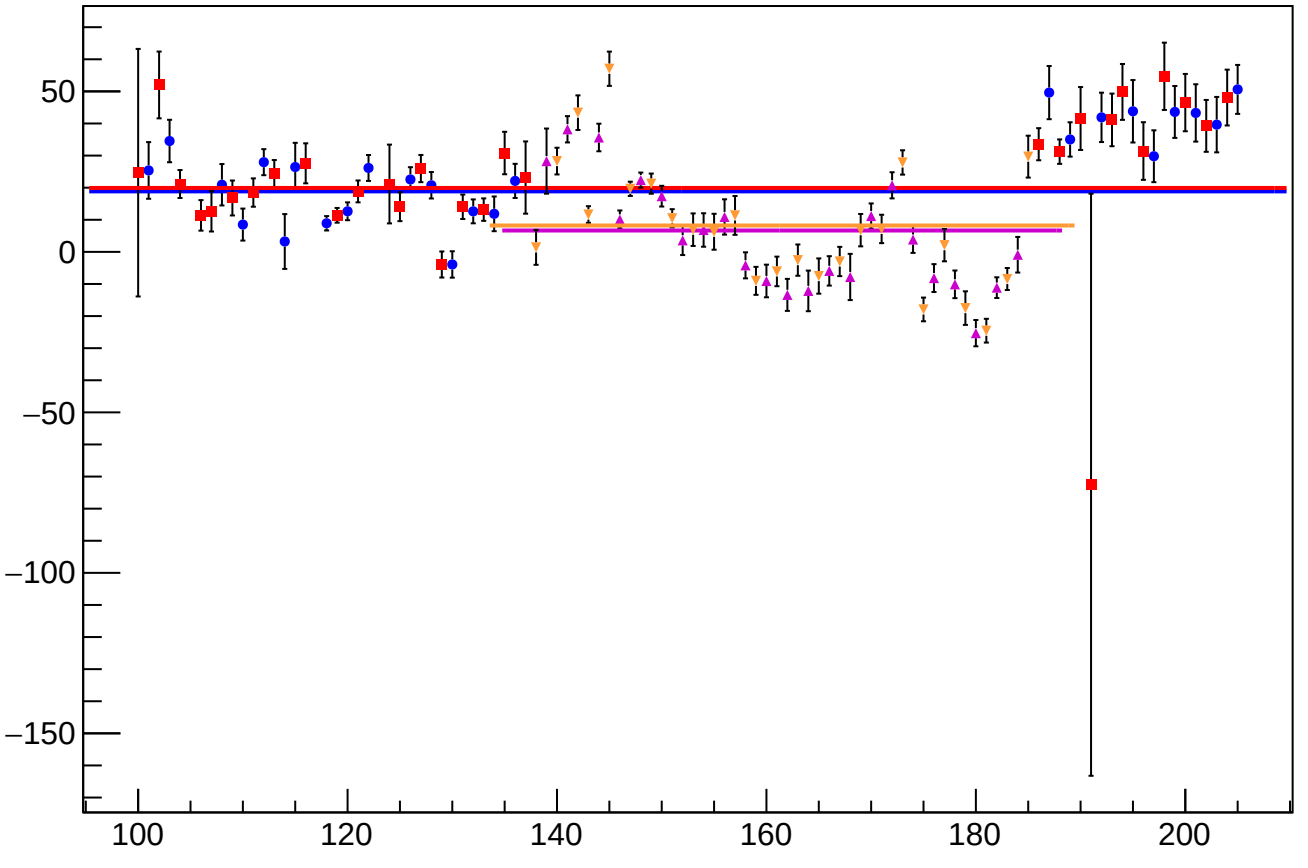
Left: -242.237+/-0.778 χ^2/NDF: 8841.6/47

Right: -214.606+/-0.624 χ^2/NDF: 11156.5/54

In: -228.378+/-0.713 χ^2/NDF:7163.6/47

Out: -222.841+/-0.666 χ^2/NDF:13569.9/54

All: -225.424+/-0.487 χ^2/NDF: 20765.7/102



Right In: 18.848+/-0.970 χ^2/NDF: 165.0/24

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 19.914+/-0.936 χ^2/NDF: 156.8/29

Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

Left: 7.492+/-0.586 χ^2/NDF: 814.5/47

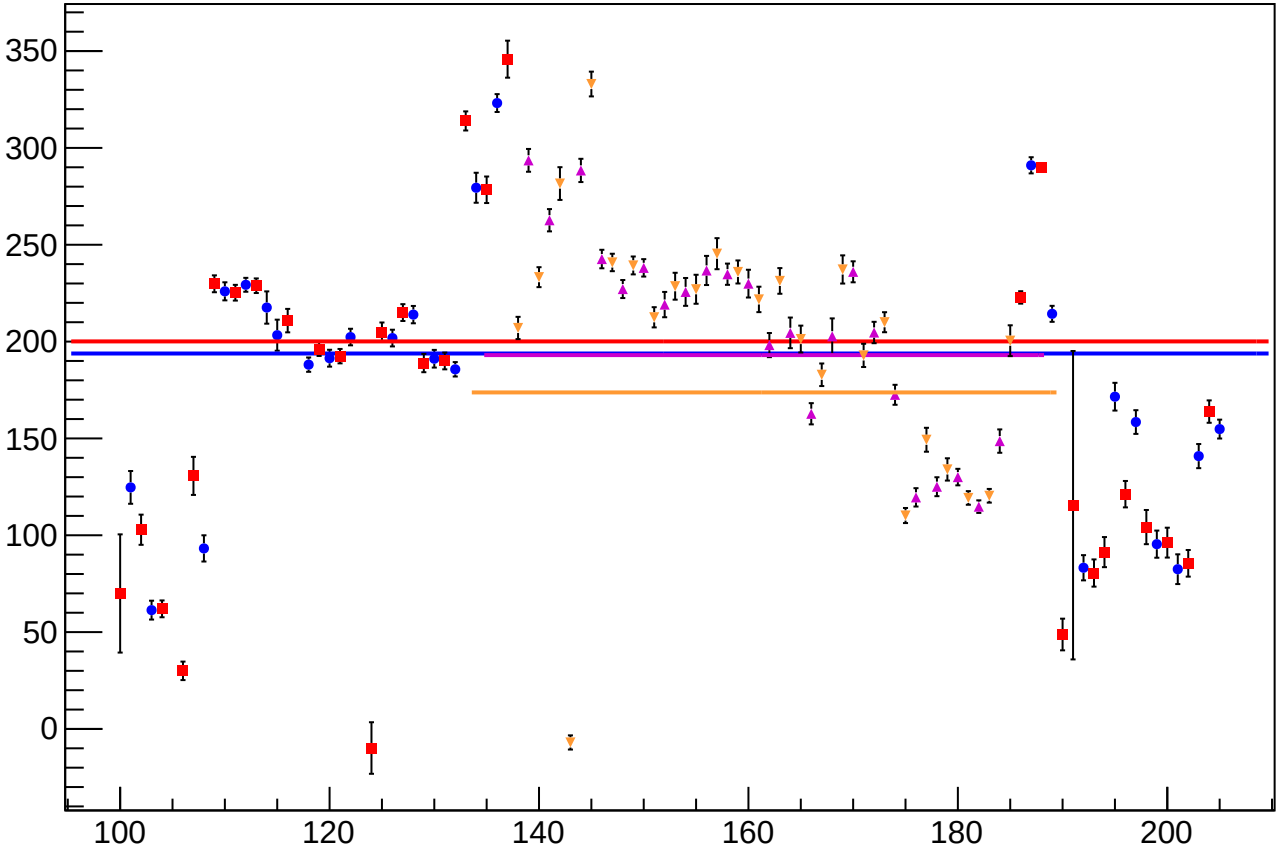
Right: 19.400+/-0.674 χ^2/NDF: 322.4/54

In: 12.008+/-0.643 χ^2/NDF:608.4/47

Out: 13.176+/-0.610 χ^2/NDF:704.5/54

All: 12.623+/-0.442 χ^2/NDF: 1314.7/102

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 193.849+/-1.005 χ^2/NDF: 3568.4/24

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 200.095+/-0.908 χ^2/NDF: 7111.3/29

Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

Left: 182.920+/-0.774 χ^2/NDF: 7927.5/47

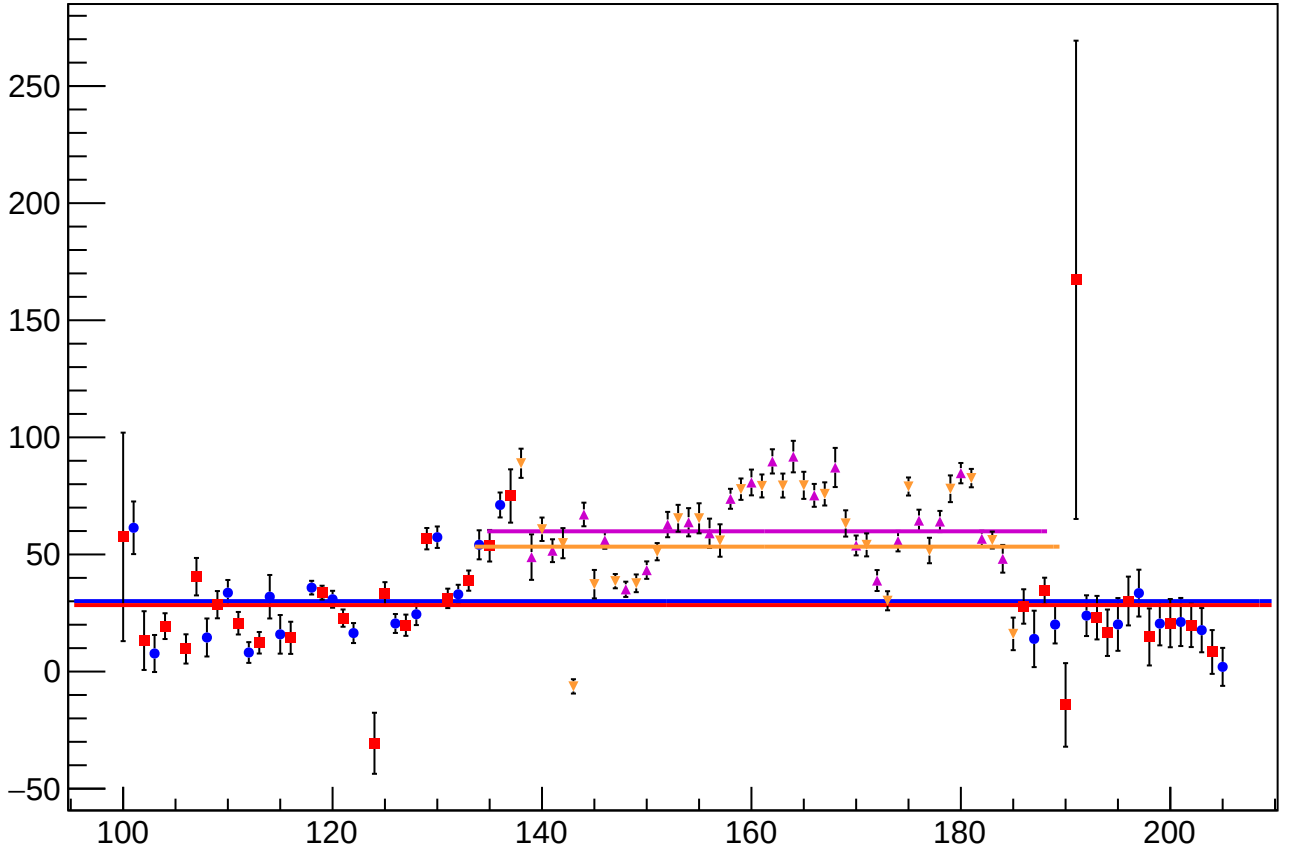
Right: 197.287+/-0.674 χ^2/NDF: 10700.9/54

In: 193.483+/-0.749 χ^2/NDF:6080.7/47

Out: 189.049+/-0.692 χ^2/NDF:12724.9/54

All: 191.092+/-0.508 χ^2/NDF: 18824.5/102

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 30.077+/-1.135 χ^2/NDF: 199.2/24

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 28.383+/-1.103 χ^2/NDF: 159.2/29

Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

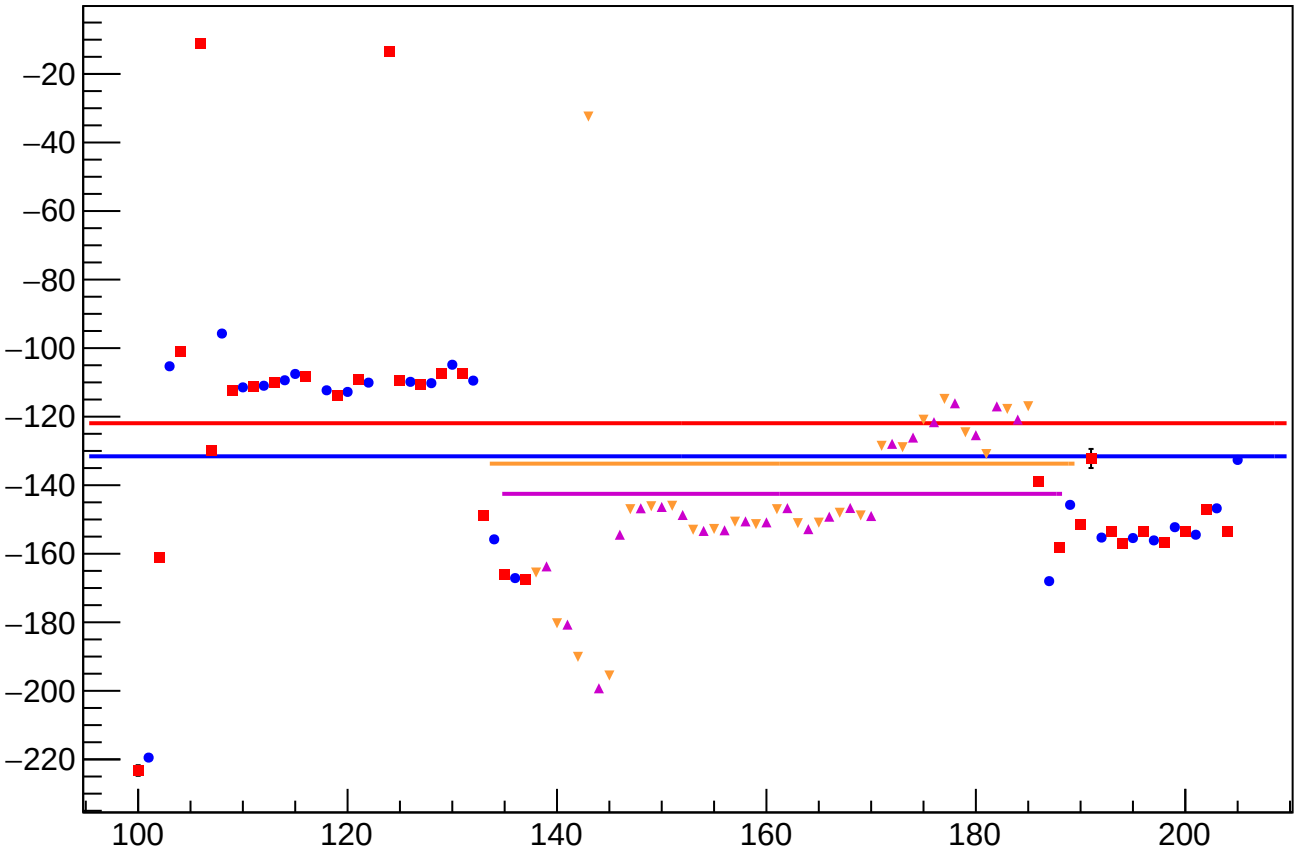
Left: 56.419+/-0.670 χ^2/NDF: 1053.9/47

Right: 29.206+/-0.791 χ^2/NDF: 359.6/54

In: 47.200+/-0.740 χ^2/NDF:846.8/47

Out: 43.073+/-0.707 χ^2/NDF:1239.3/54

All: 45.042+/-0.511 χ^2/NDF: 2102.3/102



Right In: -131.569+/-0.064 χ^2/NDF: 172925.1/24

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.913+/-0.061 χ^2/NDF: 495524.4/29

Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

Left: -137.954+/-0.031 χ^2/NDF: 874788.8/47

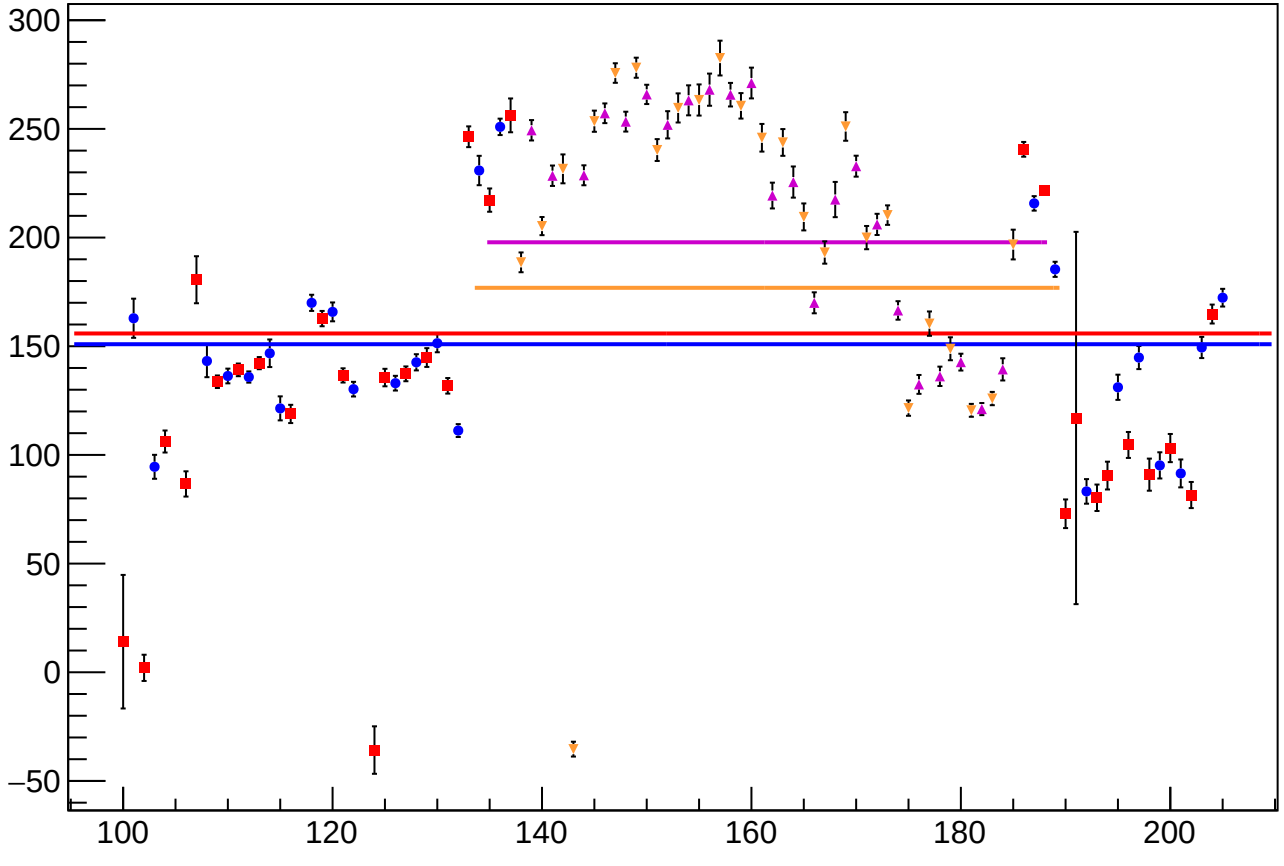
Right: -126.463+/-0.044 χ^2/NDF: 680412.0/54

In: -138.974+/-0.037 χ^2/NDF:371078.3/47

Out: -129.780+/-0.035 χ^2/NDF:1196716.8/54

All: -134.178+/-0.025 χ^2/NDF: 1600845.6/10

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 150.932+/-0.840 χ^2/NDF: 2149.3/24

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 155.874+/-0.764 χ^2/NDF: 4998.8/29

Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

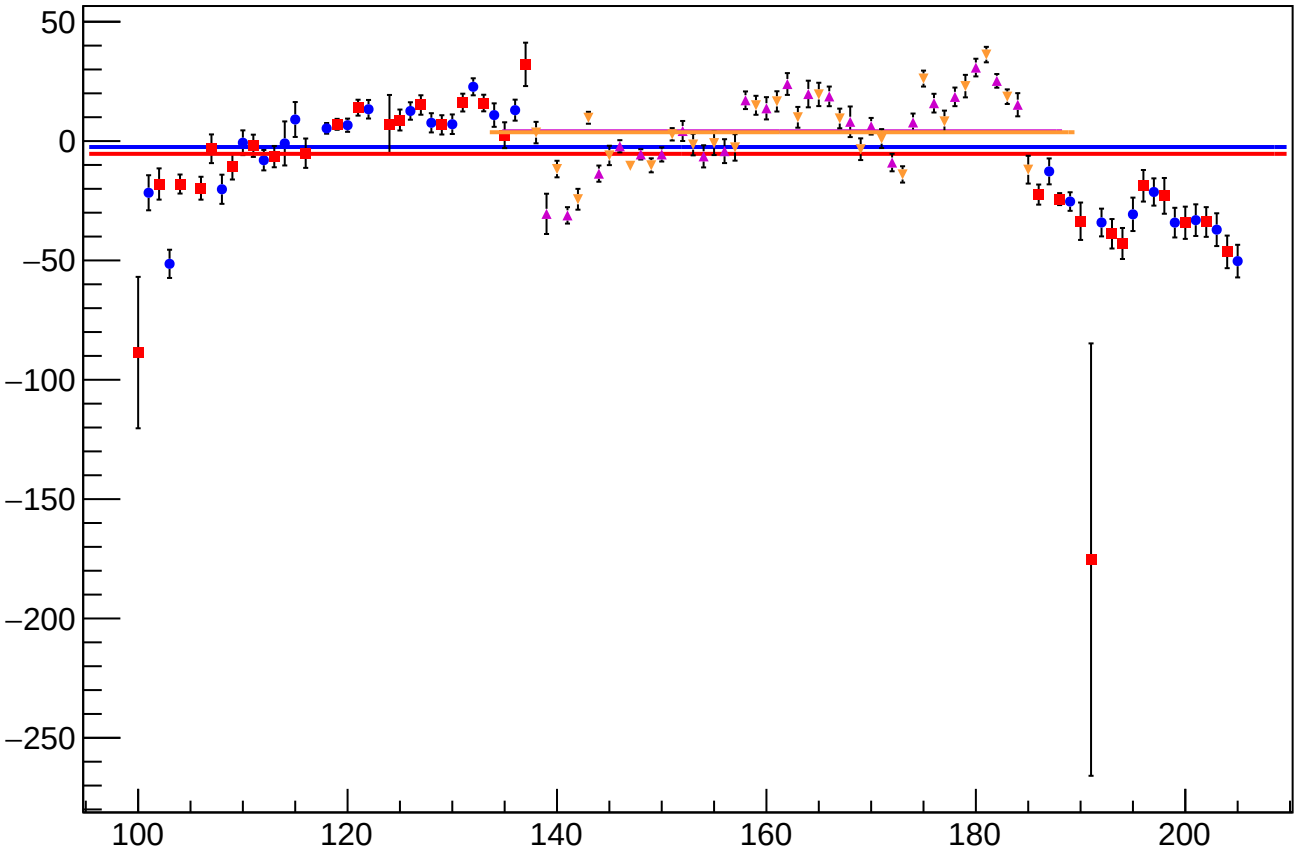
Left: 186.838+/-0.694 χ^2/NDF: 10620.2/47

Right: 153.636+/-0.565 χ^2/NDF: 7167.0/54

In: 170.199+/-0.645 χ^2/NDF:6397.3/47

Out: 164.051+/-0.597 χ^2/NDF:12717.6/54

All: 166.890+/-0.438 χ^2/NDF: 19163.8/102



Right In: -2.487+/-0.901 χ^2/NDF: 442.6/24

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -5.349+/-0.855 χ^2/NDF: 467.9/29

Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

Left: 3.893+/-0.527 χ^2/NDF: 800.0/47

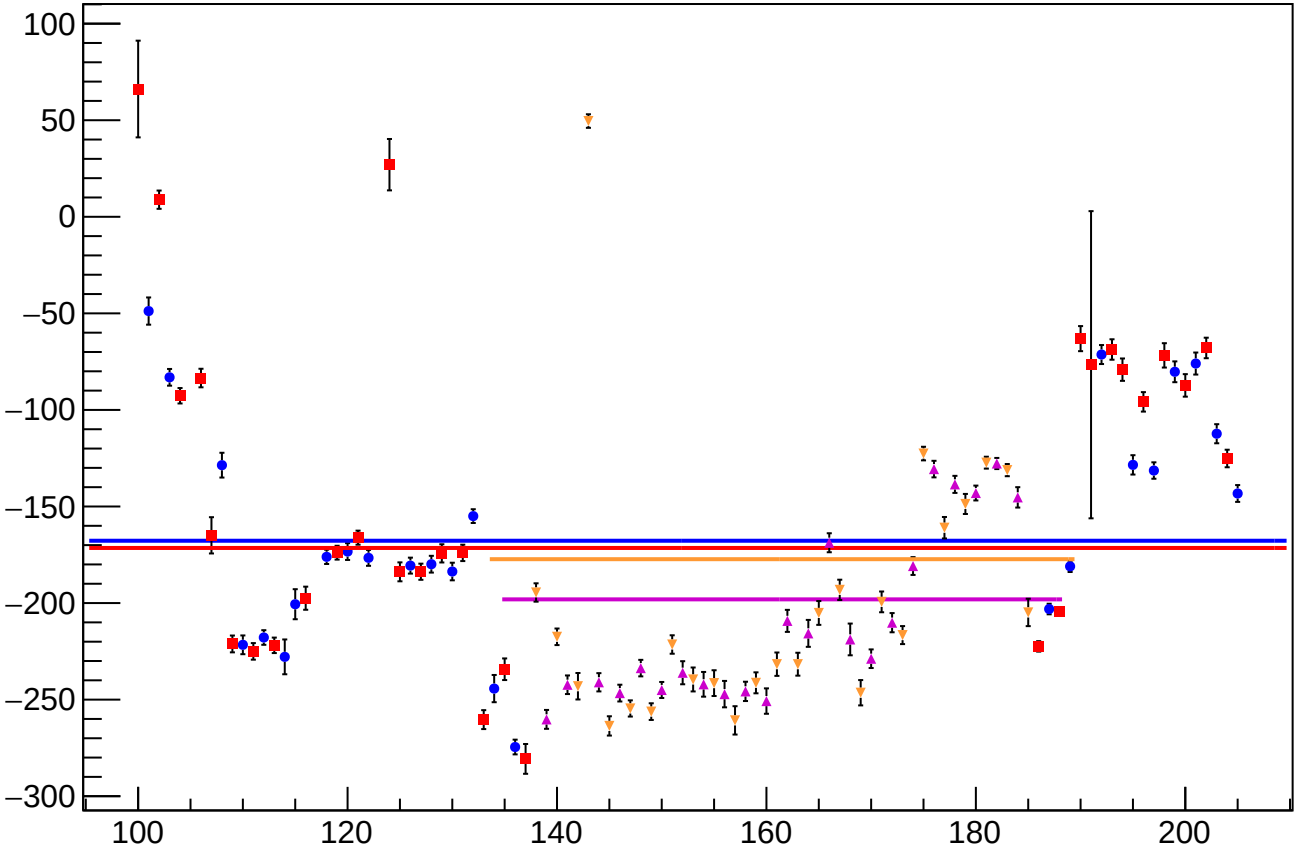
Right: -3.994+/-0.620 χ^2/NDF: 915.9/54

In: 1.326+/-0.585 χ^2/NDF:872.5/47

Out: -0.072+/-0.552 χ^2/NDF:934.3/54

All: 0.587+/-0.402 χ^2/NDF: 1809.8/102

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -167.731+/-0.878 χ^2/NDF: 3408.2/24

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -171.470+/-0.767 χ^2/NDF: 6595.1/29

Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

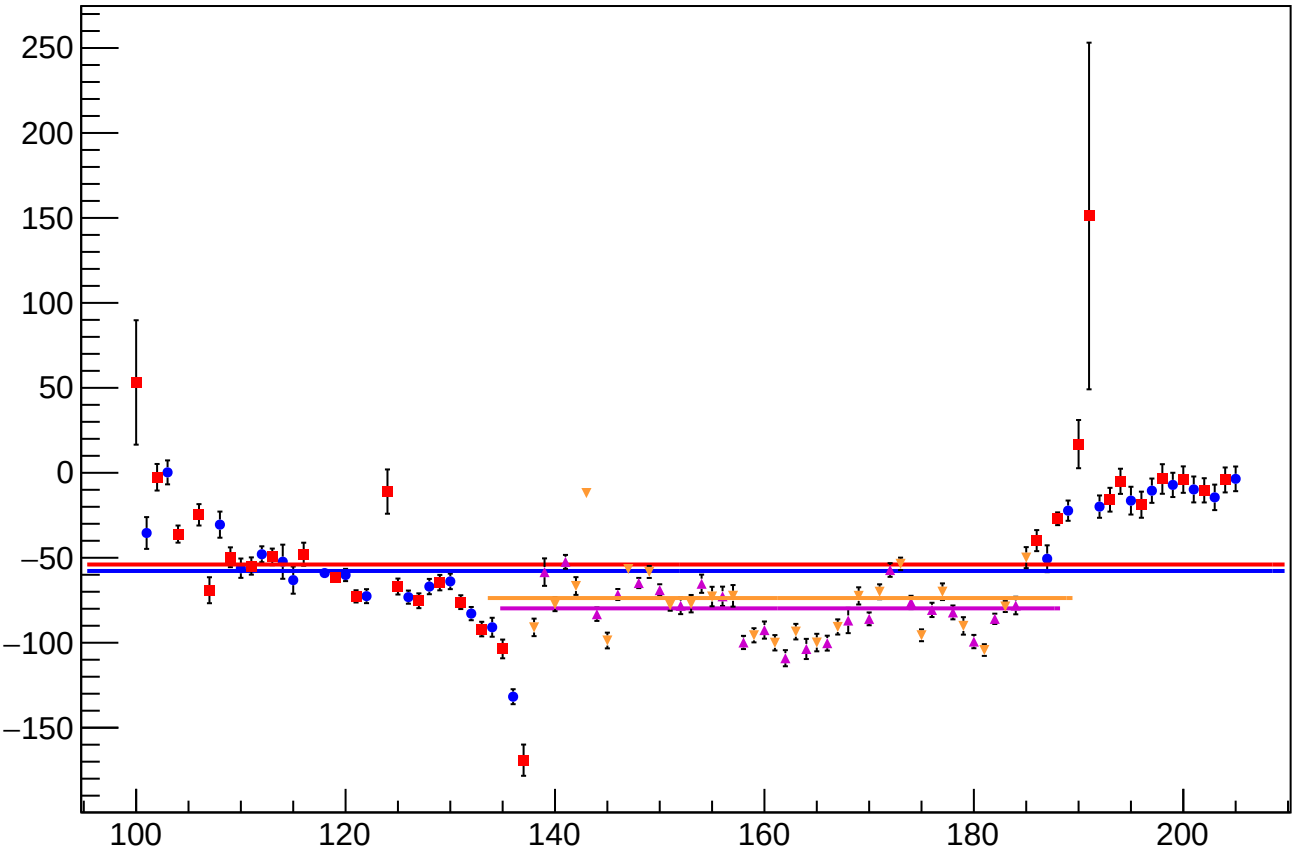
Left: -187.218+/-0.691 χ^2/NDF: 9652.4/47

Right: -169.851+/-0.578 χ^2/NDF: 10013.6/54

In: -180.941+/-0.660 χ^2/NDF:6315.0/47

Out: -173.746+/-0.598 χ^2/NDF:13657.6/54

All: -176.992+/-0.443 χ^2/NDF: 20037.8/102



Right In: -57.772+/-1.059 χ^2/NDF: 803.1/24

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -53.963+/-1.020 χ^2/NDF: 858.2/29

Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

Left: -76.581+/-0.601 χ^2/NDF: 1142.1/47

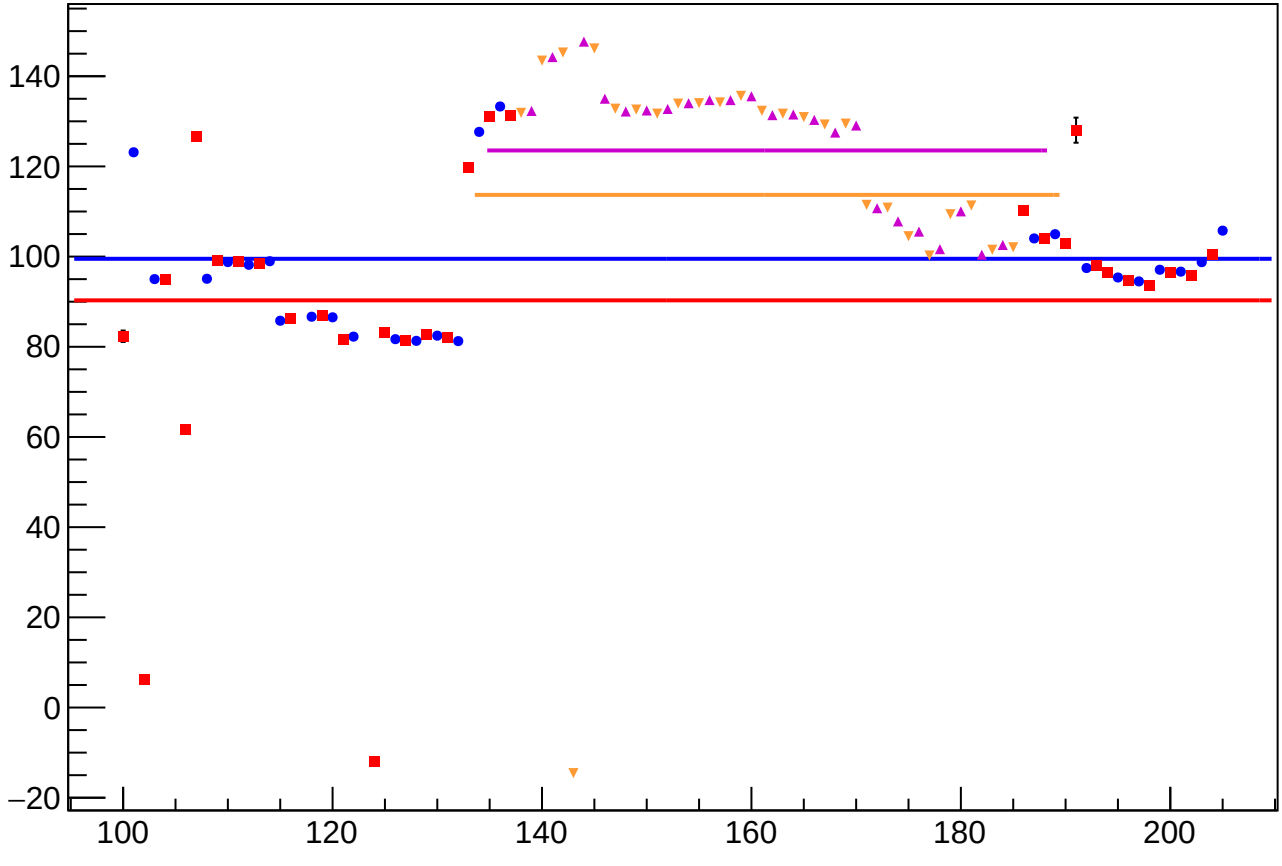
Right: -55.798+/-0.735 χ^2/NDF: 1668.1/54

In: -70.857+/-0.674 χ^2/NDF:1337.2/47

Out: -65.858+/-0.643 χ^2/NDF:1923.4/54

All: -68.242+/-0.465 χ^2/NDF: 3289.3/102

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 99.513+/-0.056 χ^2/NDF: 69568.0/24

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.297+/-0.052 χ^2/NDF: 284541.1/29

Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

Left: 118.454+/-0.028 χ^2/NDF: 1129684.8/47

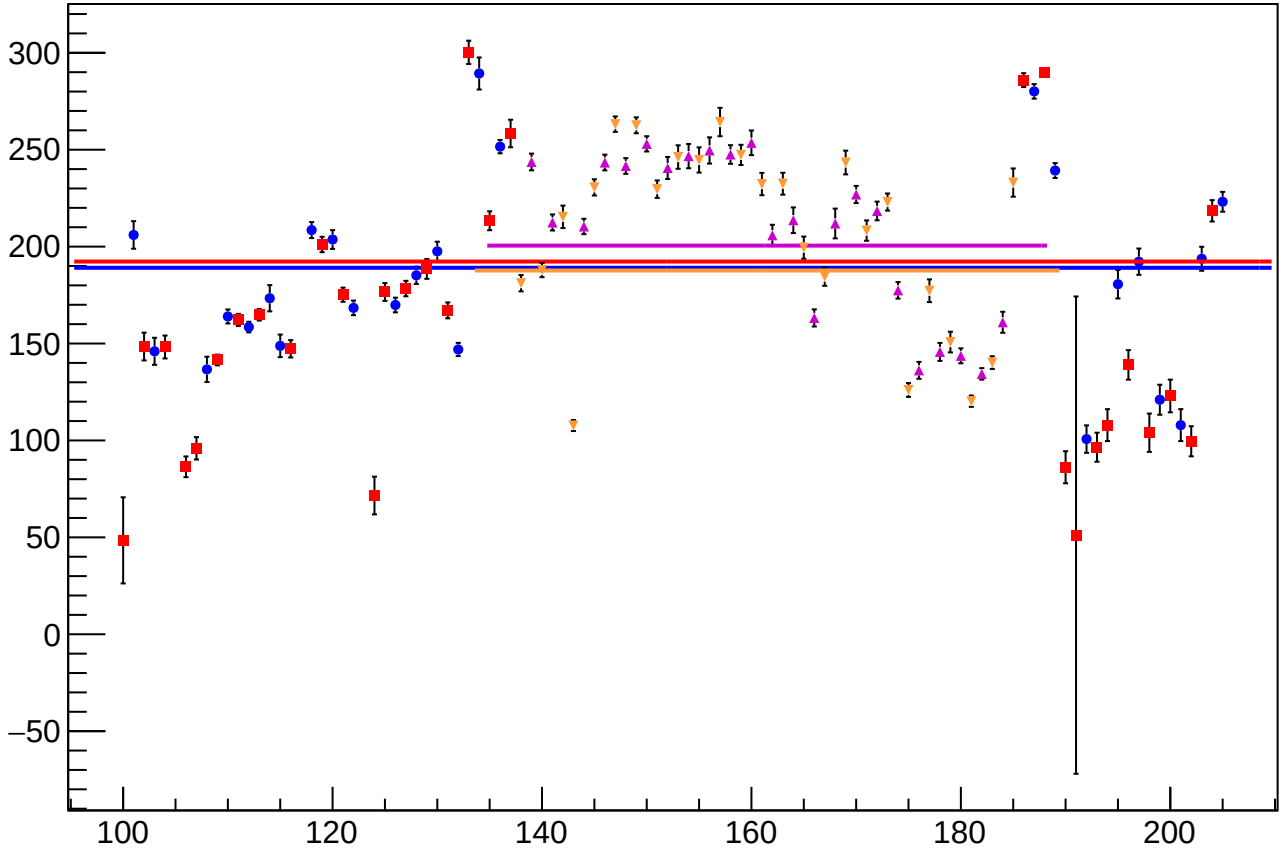
Right: 94.578+/-0.038 χ^2/NDF: 368815.2/54

In: 115.450+/-0.032 χ^2/NDF:327991.6/47

Out: 105.402+/-0.031 χ^2/NDF:1379399.4/54

All: 110.196+/-0.022 χ^2/NDF: 1758093.0/102

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

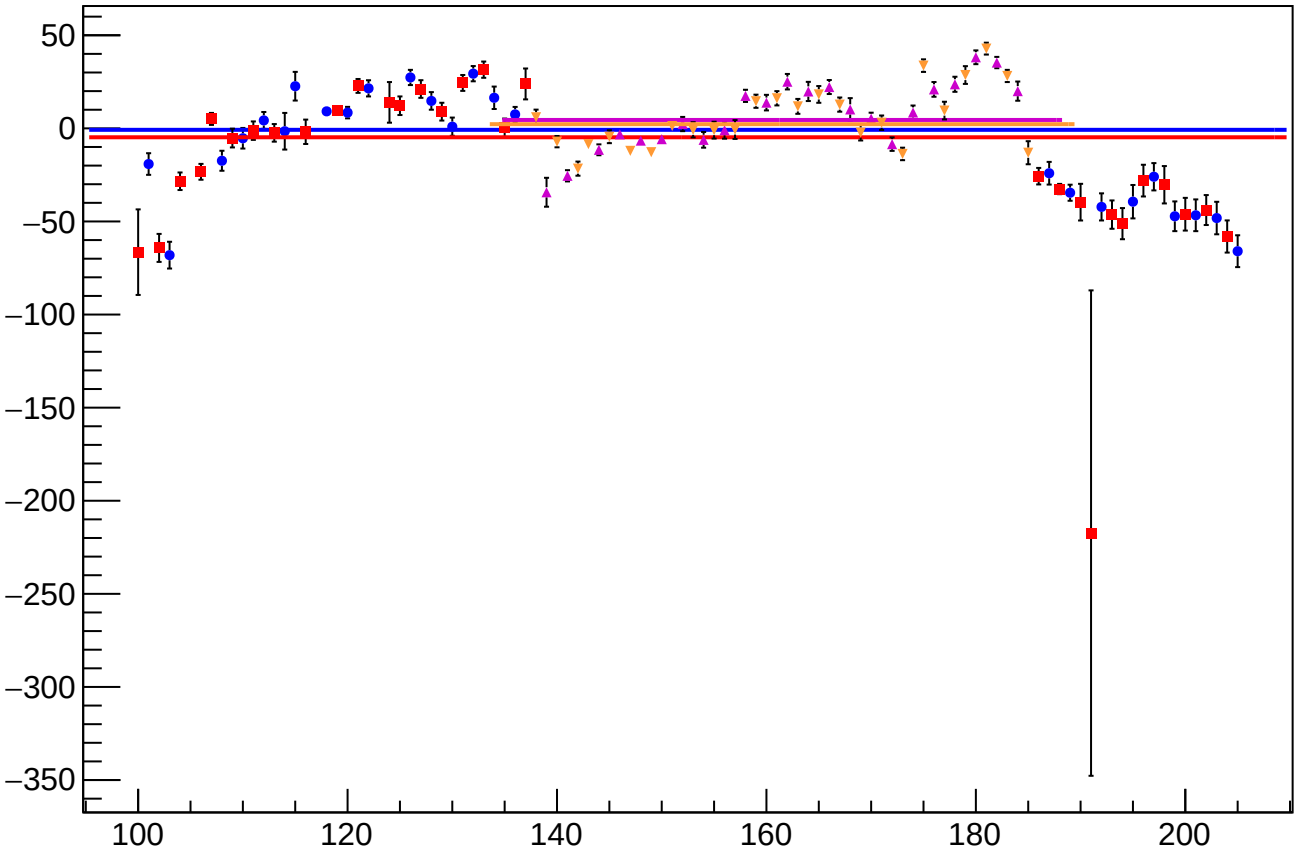
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 190.878+/-0.624 χ^2/NDF: 8191.1/54

In: 194.698+/-0.669 χ^2/NDF:4373.6/47

Out: 190.158+/-0.612 χ^2/NDF:9537.9/54

All: 192.224+/-0.451 χ^2/NDF: 13936.6/102



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

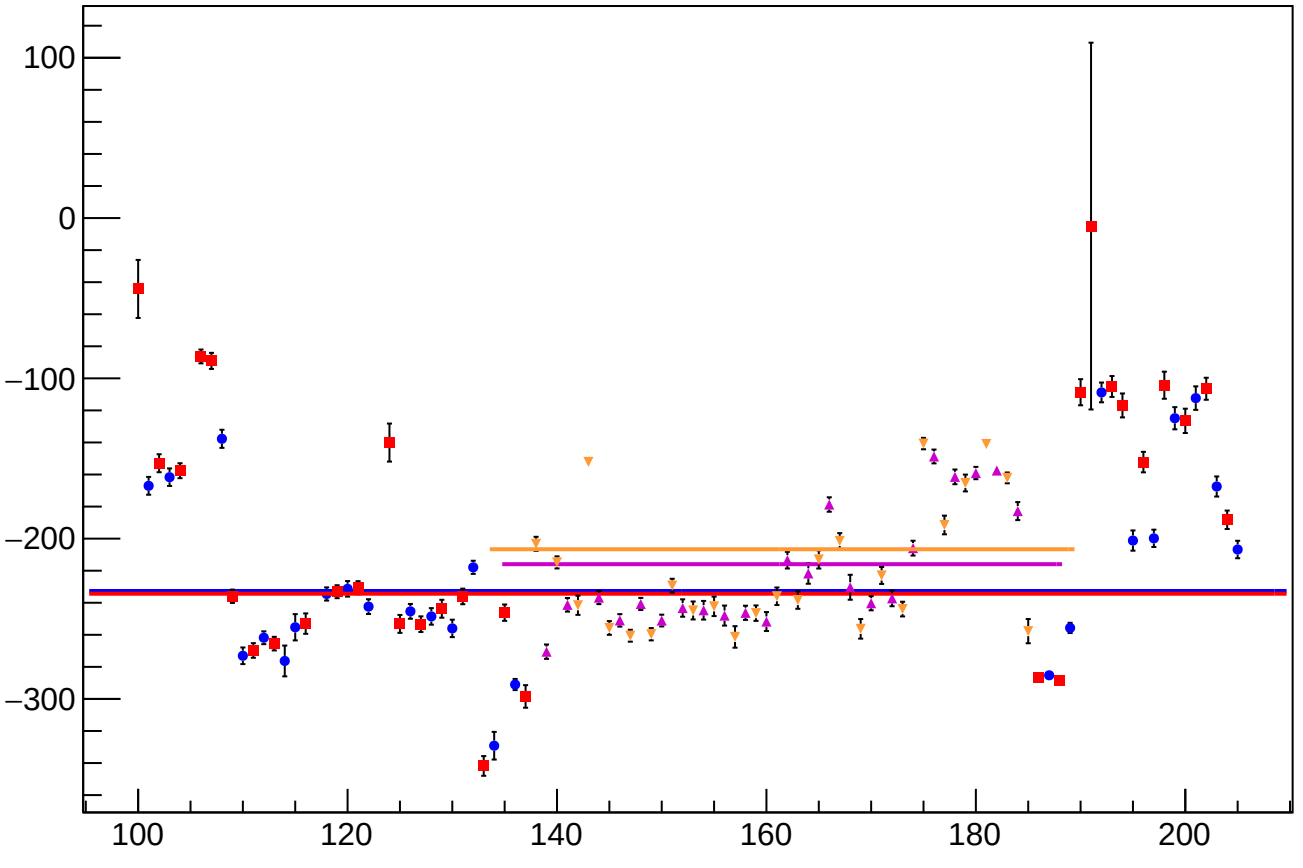
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -2.958+/-0.679 χ^2/NDF: 1281.4/54

In: 2.729+/-0.582 χ^2/NDF:1149.0/47

Out: -0.160+/-0.539 χ^2/NDF:1328.6/54

All: 1.175+/-0.395 χ^2/NDF: 2490.9/102



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

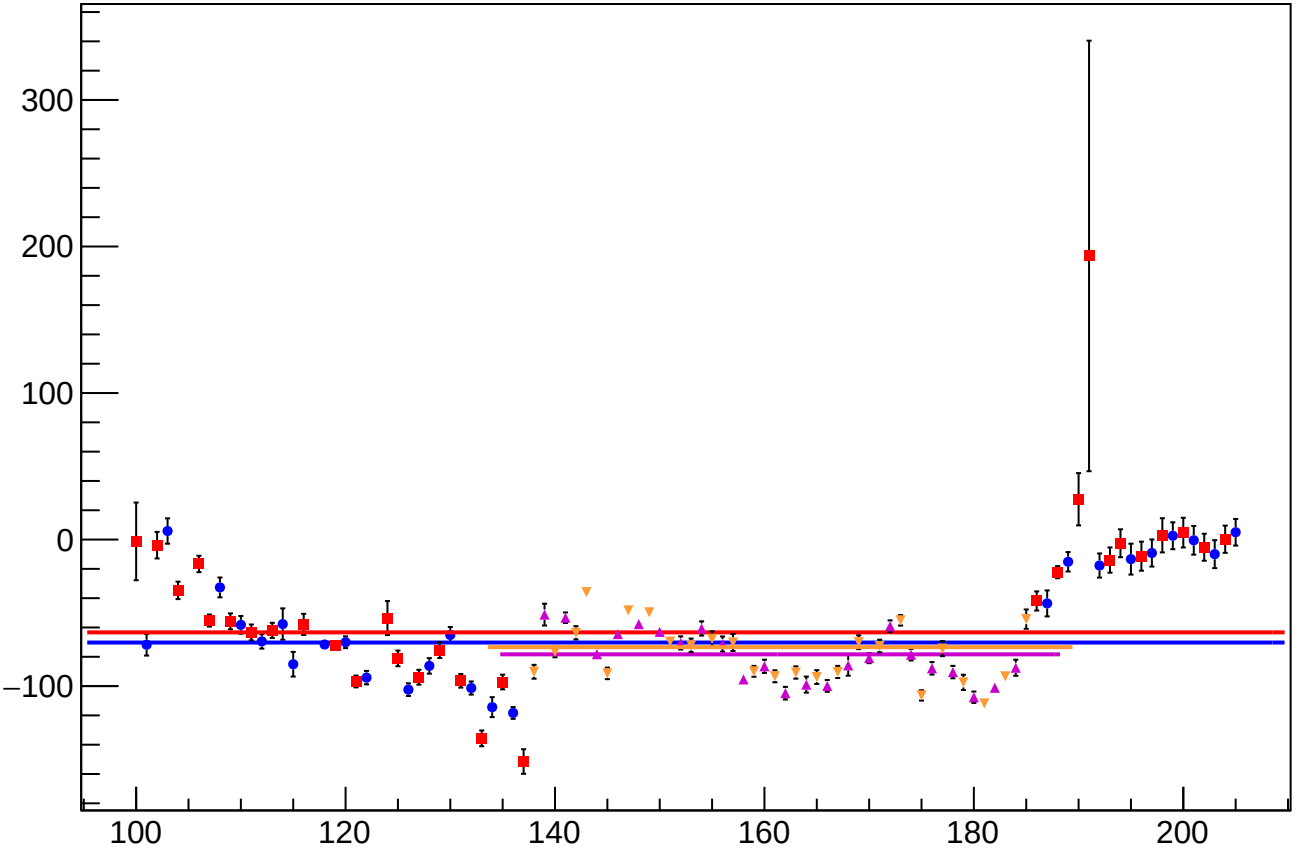
Right: -233.638+/-0.641 χ^2/NDF: 9267.6/54

In: -223.969+/-0.682 χ^2/NDF:4506.0/47

Out: -221.301+/-0.614 χ^2/NDF:9598.4/54

All: -222.495+/-0.456 χ^2/NDF: 14112.9/102

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

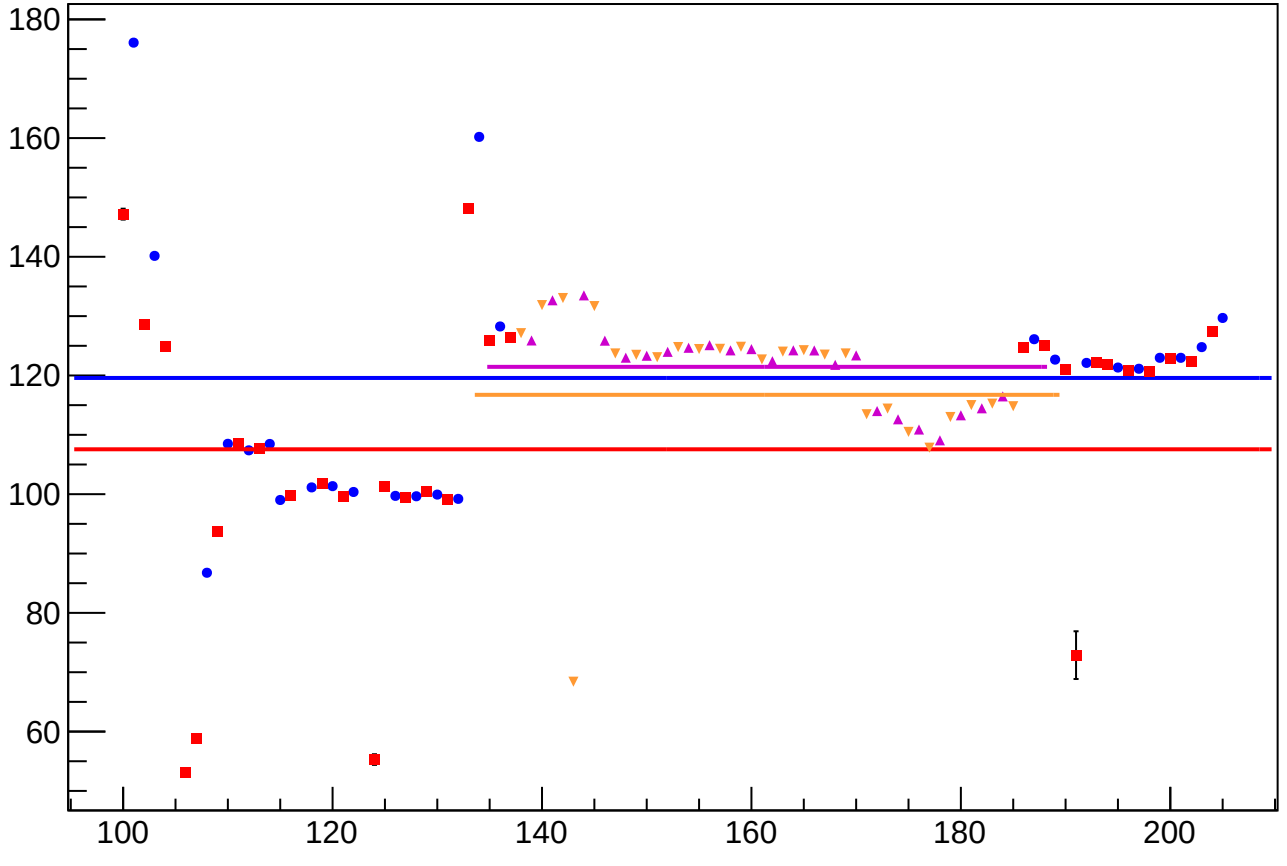
Right: -66.575+/-0.806 χ^2/NDF: 1941.6/54

In: -75.712+/-0.672 χ^2/NDF:1330.8/47

Out: -70.140+/-0.630 χ^2/NDF:1960.1/54

All: -72.747+/-0.459 χ^2/NDF: 3327.5/102

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

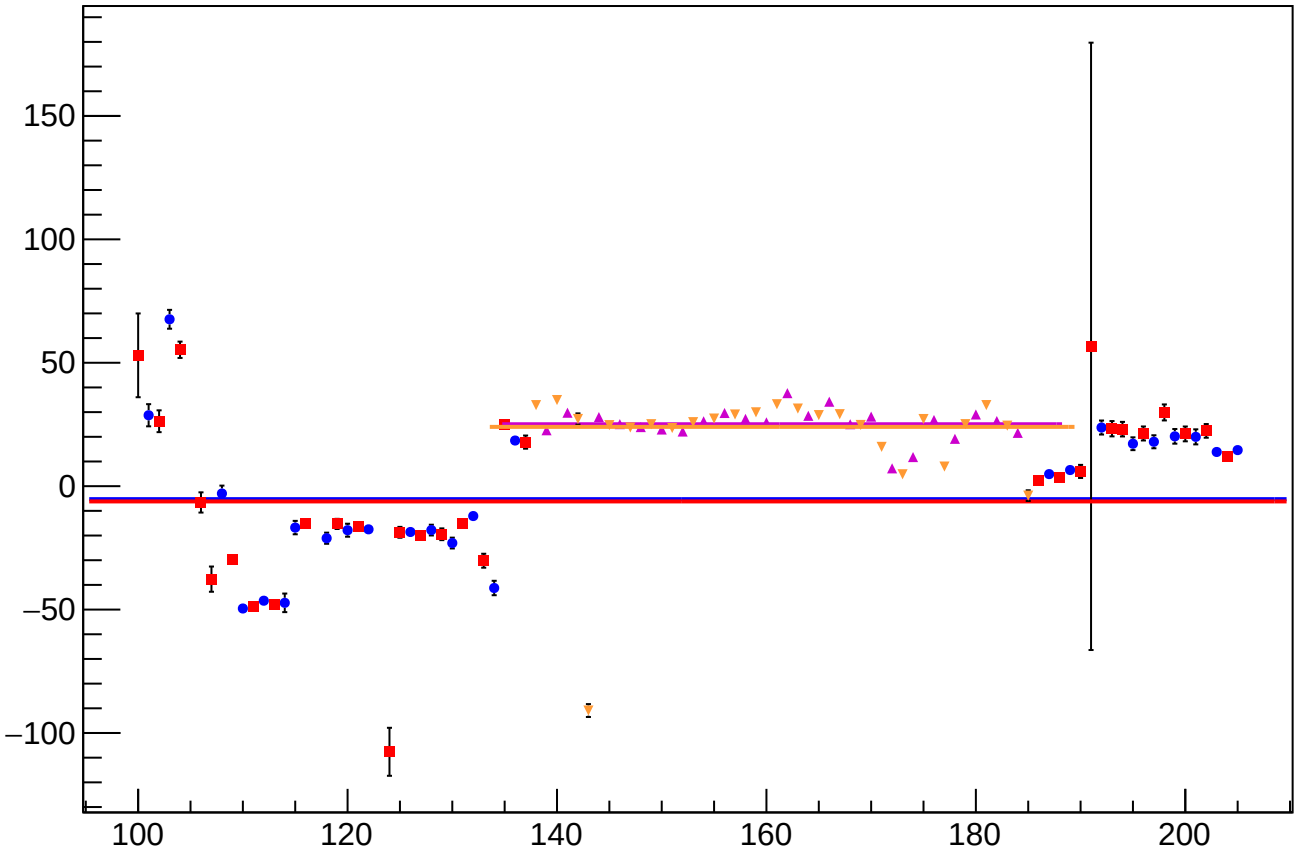
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

Right: 112.975+/-0.042 χ^2/NDF: 321657.3/54

In: 120.970+/-0.032 χ^2/NDF:126918.5/47

Out: 114.143+/-0.030 χ^2/NDF:426407.7/54

All: 117.366+/-0.022 χ^2/NDF: 577238.5/102



Right In: -5.254+/-0.434 χ^2/NDF: 3203.3/24

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -6.182+/-0.401 χ^2/NDF: 3463.7/29

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

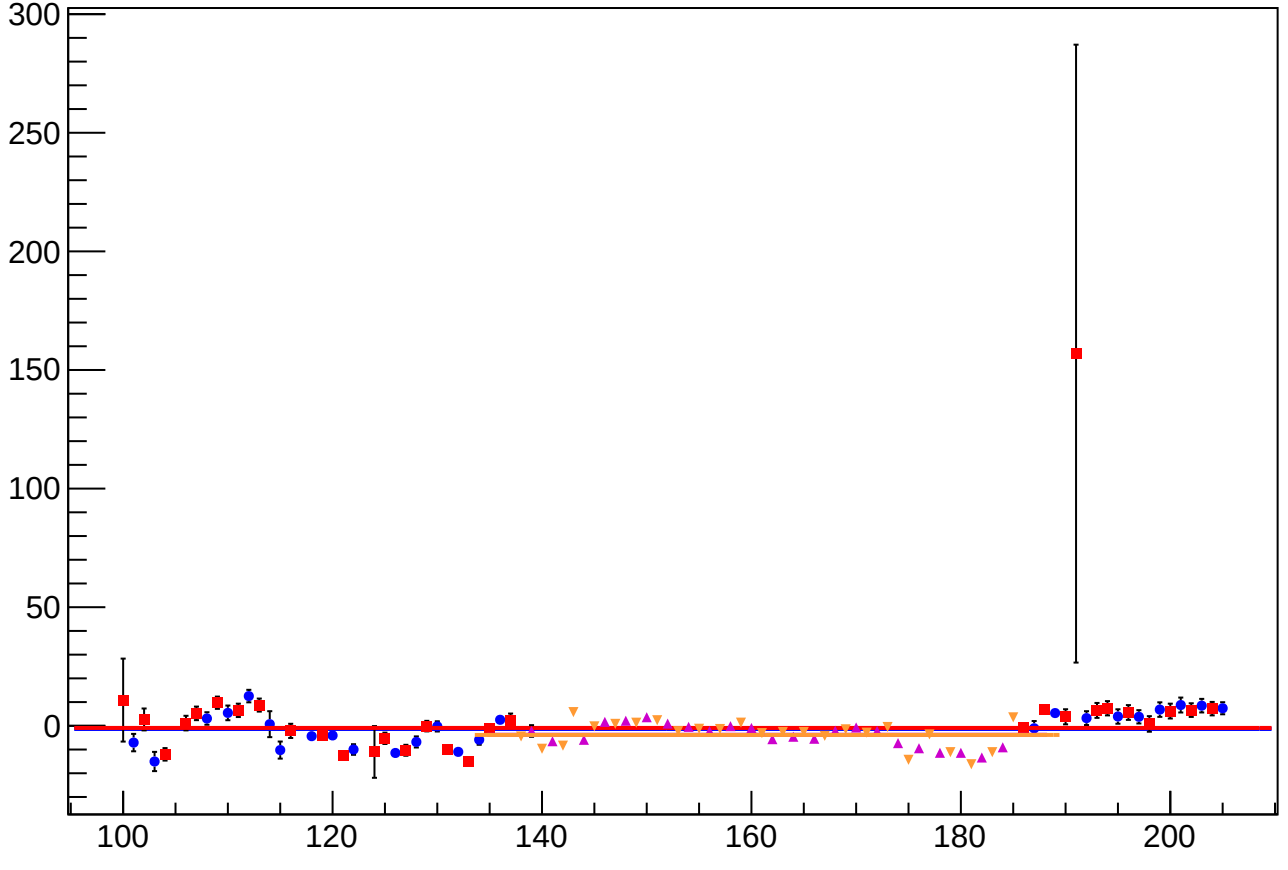
Right: -5.755+/-0.294 χ^2/NDF: 6669.5/54

In: 15.855+/-0.240 χ^2/NDF:7095.3/47

Out: 14.020+/-0.231 χ^2/NDF:10065.8/54

All: 14.903+/-0.166 χ^2/NDF: 17191.6/102

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.329+/-0.474 χ^2/NDF: 201.8/24

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.893+/-0.453 χ^2/NDF: 256.8/29

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

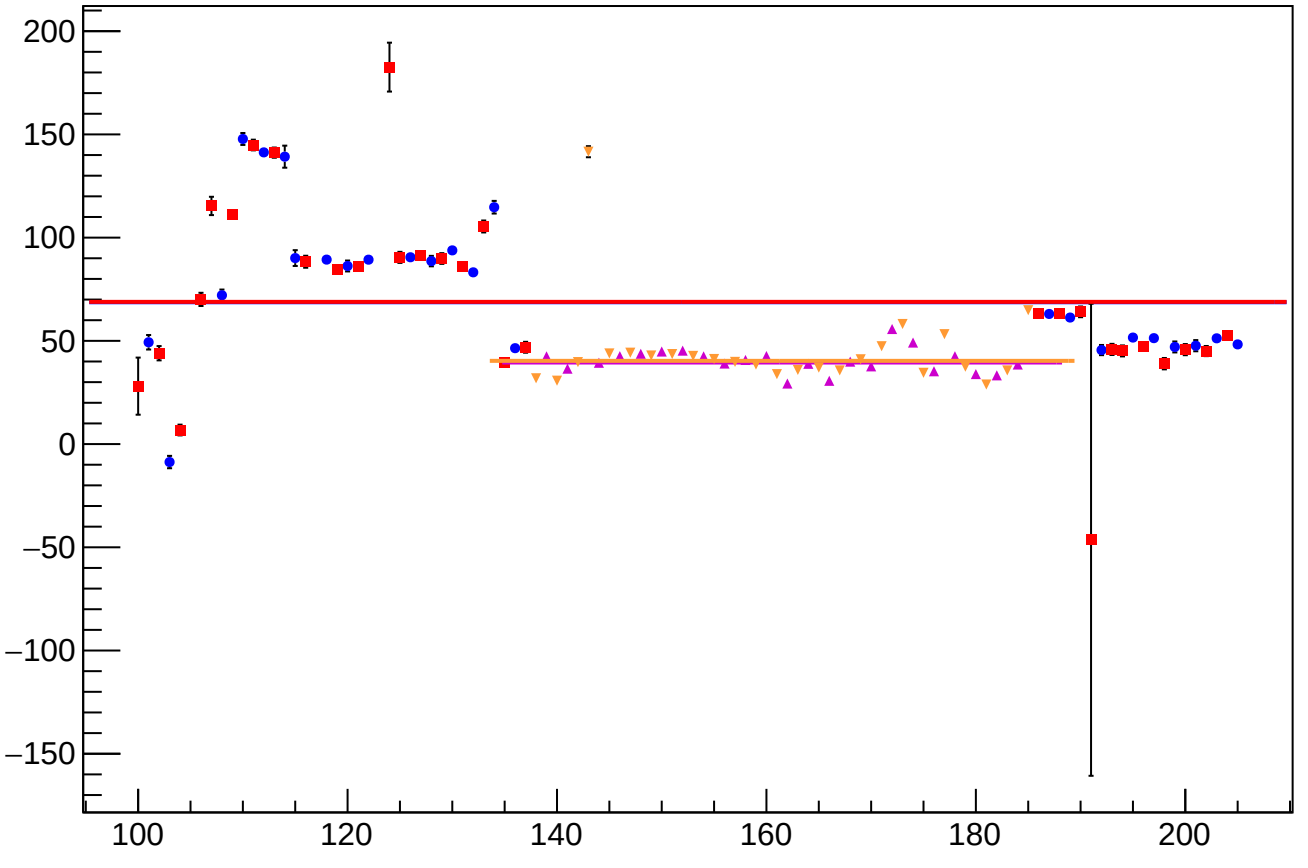
Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

Right: -1.101+/-0.328 χ^2/NDF: 459.1/54

In: -3.334+/-0.202 χ^2/NDF:733.5/47

Out: -3.292+/-0.196 χ^2/NDF:940.6/54

All: -3.312+/-0.141 χ^2/NDF: 1674.1/102



Right In: 68.696+/-0.448 χ^2/NDF: 4258.1/24

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 68.887+/-0.398 χ^2/NDF: 4485.3/29

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

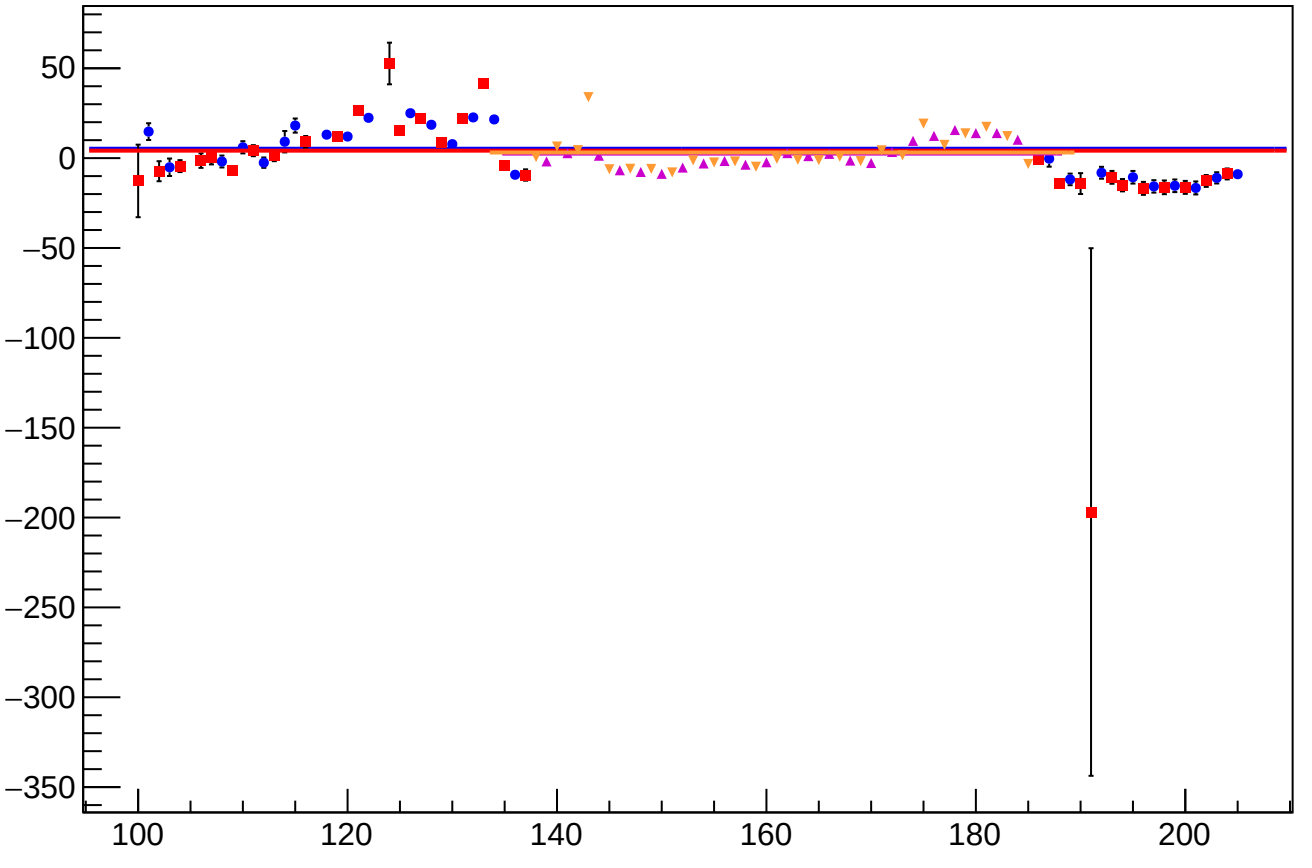
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 68.803+/-0.298 χ^2/NDF: 8743.4/54

In: 47.899+/-0.240 χ^2/NDF:7713.1/47

Out: 49.779+/-0.229 χ^2/NDF:10113.4/54

All: 48.884+/-0.166 χ^2/NDF: 17858.6/102



Right In: 5.223+/-0.547 χ^2/NDF: 655.1/24

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 4.164+/-0.538 χ^2/NDF: 840.6/29

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

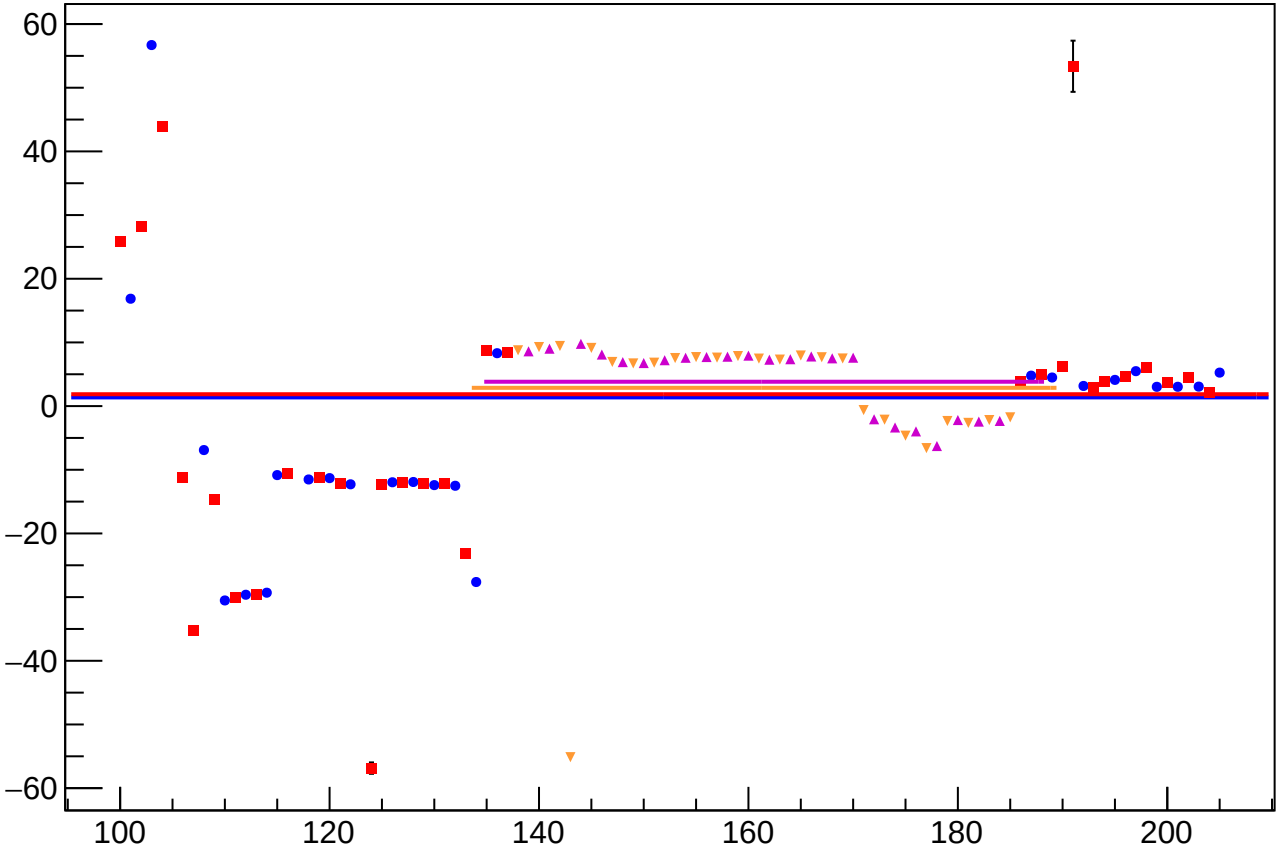
Right: 4.685+/-0.384 χ^2/NDF: 1497.7/54

In: 2.990+/-0.228 χ^2/NDF:1643.5/47

Out: 3.318+/-0.223 χ^2/NDF:2110.6/54

All: 3.157+/-0.160 χ^2/NDF: 3755.2/102

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.363+/-0.026 χ^2/NDF: 376116.0/24

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.863+/-0.026 χ^2/NDF: 326109.0/29

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

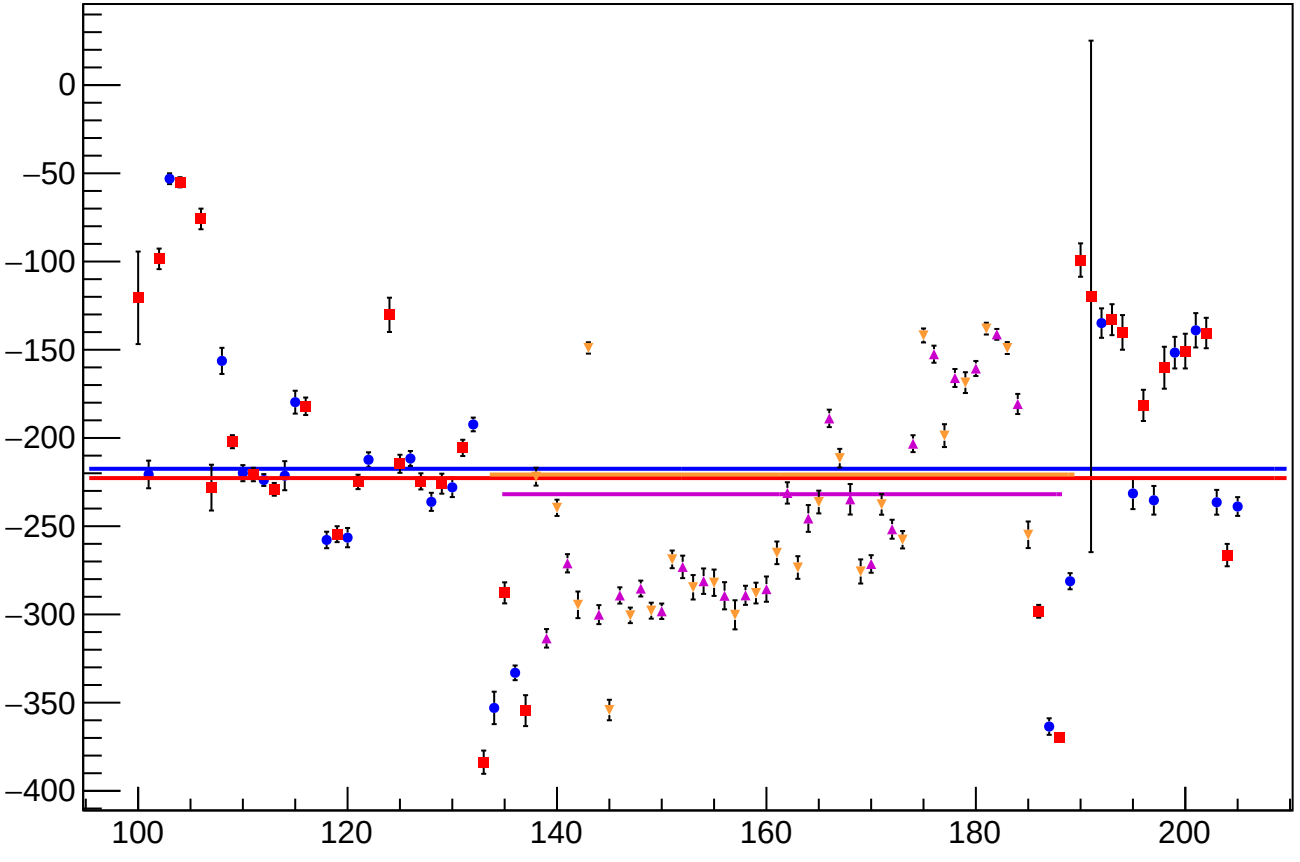
Right: 1.616+/-0.019 χ^2/NDF: 702406.5/54

In: 3.456+/-0.010 χ^2/NDF:616723.5/47

Out: 2.719+/-0.010 χ^2/NDF:839703.1/54

All: 3.083+/-0.007 χ^2/NDF: 1459046.5/102

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -217.461+/-1.039 χ^2/NDF: 5571.4/24

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -222.737+/-0.940 χ^2/NDF: 10180.7/29

Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

Left: -225.984+/-0.740 χ^2/NDF: 7269.1/47

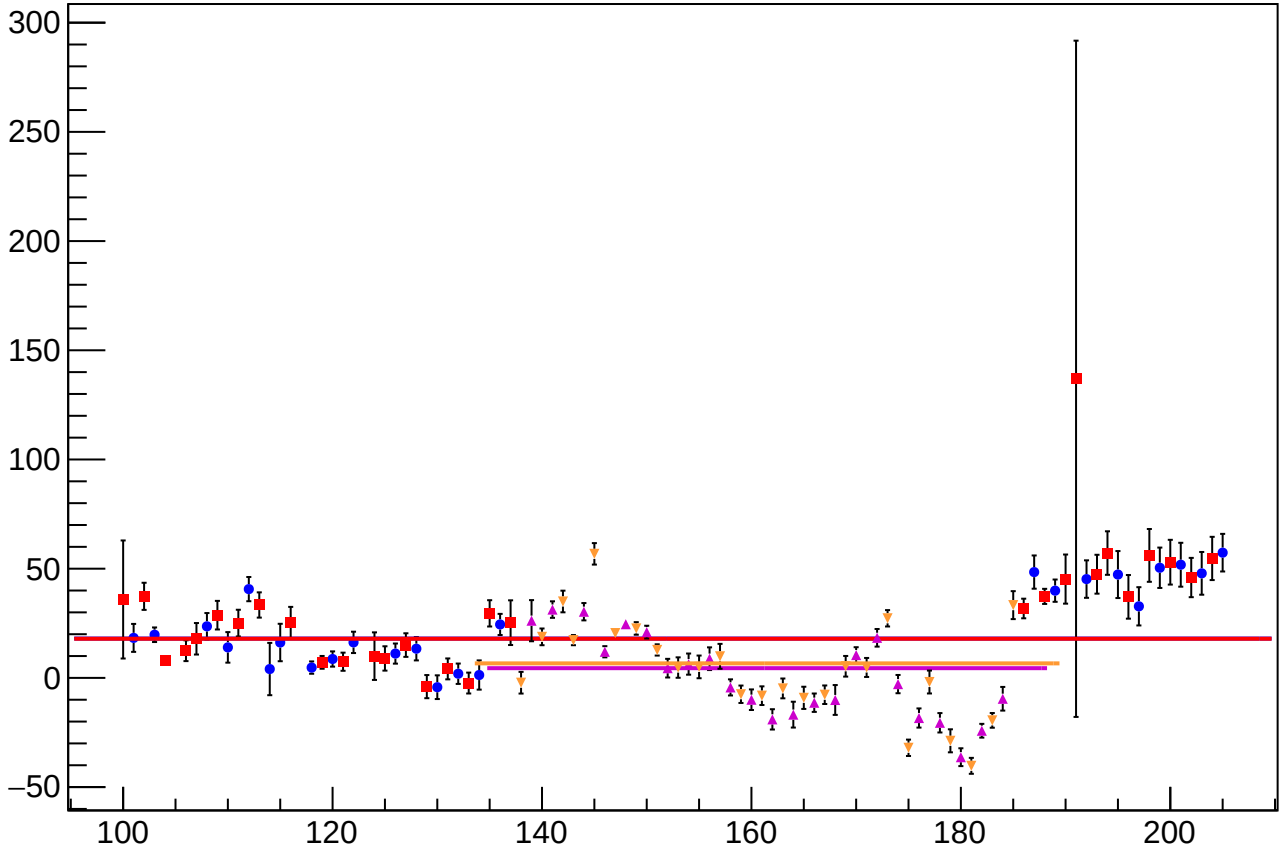
Right: -220.363+/-0.697 χ^2/NDF: 15766.2/54

In: -224.406+/-0.748 χ^2/NDF:8824.5/47

Out: -221.810+/-0.690 χ^2/NDF:14235.0/54

All: -223.005+/-0.507 χ^2/NDF: 23066.0/102

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 18.003+/-1.099 χ^2/NDF: 197.3/24

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

Right Out: 17.927+/-0.996 χ^2/NDF: 236.8/29

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

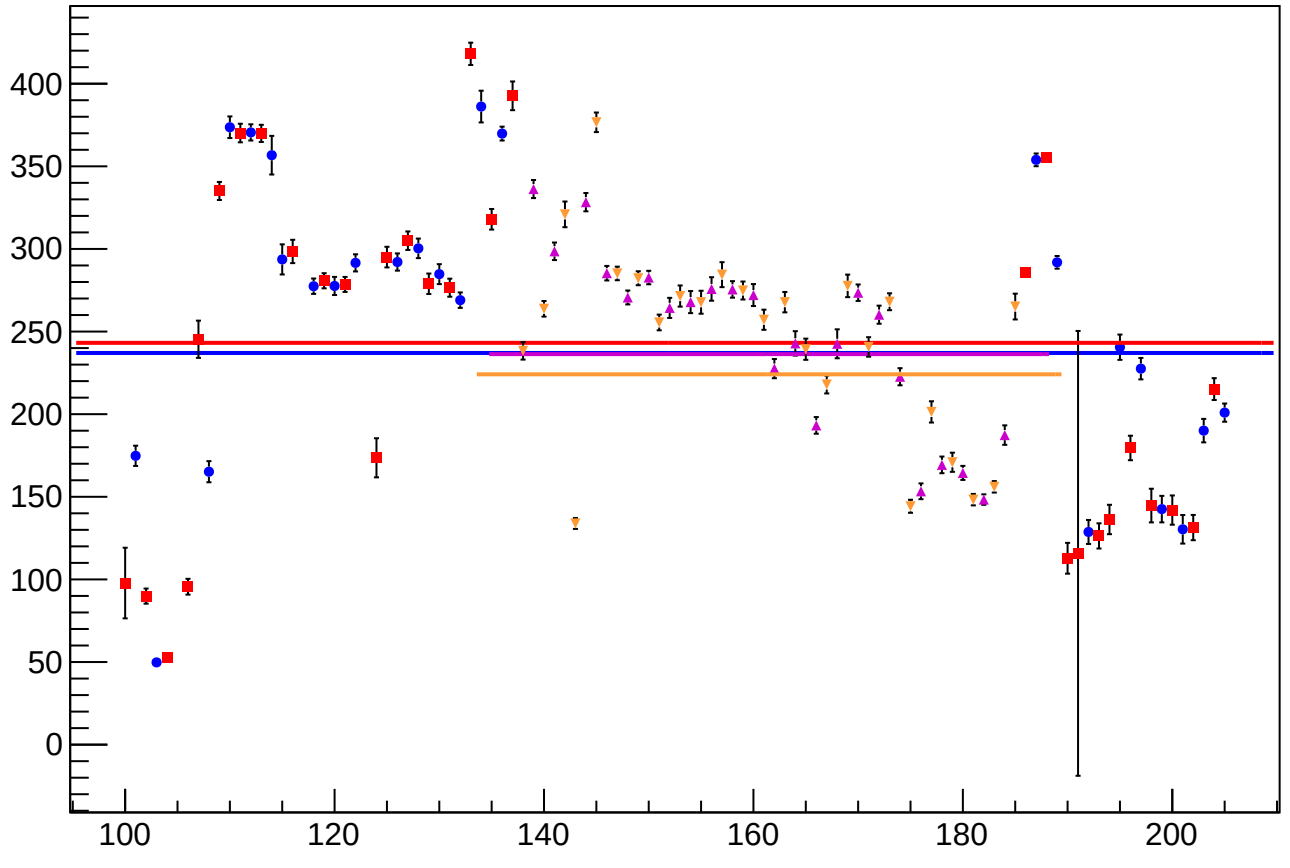
Left: 5.622+/-0.550 χ^2/NDF: 1306.0/47

Right: 17.962+/-0.738 χ^2/NDF: 434.2/54

In: 9.195+/-0.651 χ^2/NDF:863.2/47

Out: 10.742+/-0.600 χ^2/NDF:1053.5/54

All: 10.031+/-0.441 χ^2/NDF: 1919.8/102



Right In: 237.045+/-1.050 χ^2/NDF: 11136.2/24

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 243.174+/-0.917 χ^2/NDF: 16616.4/29

Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

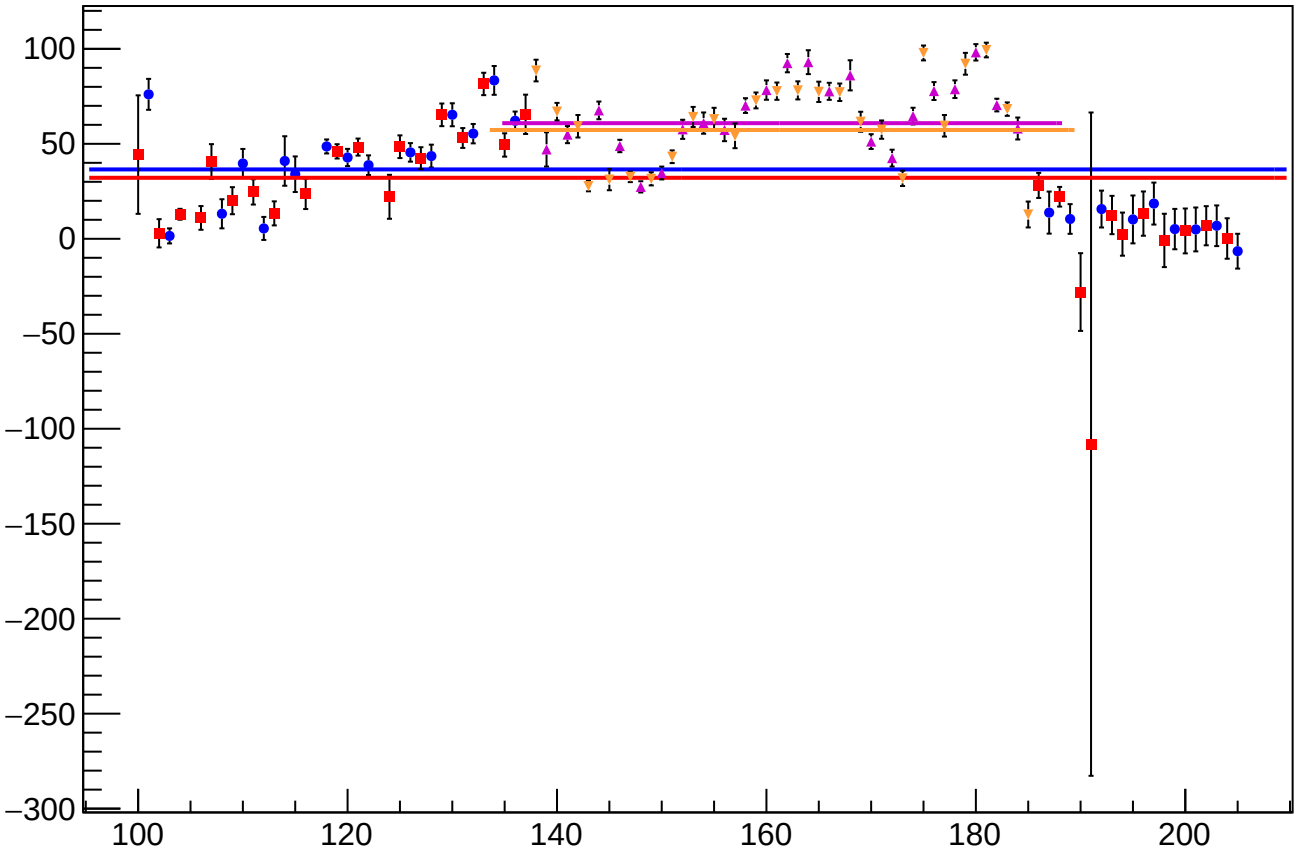
Left: 229.922+/-0.735 χ^2/NDF: 7028.5/47

Right: 240.522+/-0.691 χ^2/NDF: 27772.0/54

In: 236.699+/-0.748 χ^2/NDF:14129.4/47

Out: 234.600+/-0.680 χ^2/NDF:20777.4/54

All: 235.549+/-0.503 χ^2/NDF: 34911.1/102



Right In: 36.528+/-1.292 χ^2/NDF: 330.3/24

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 32.117+/-1.200 χ^2/NDF: 313.3/29

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

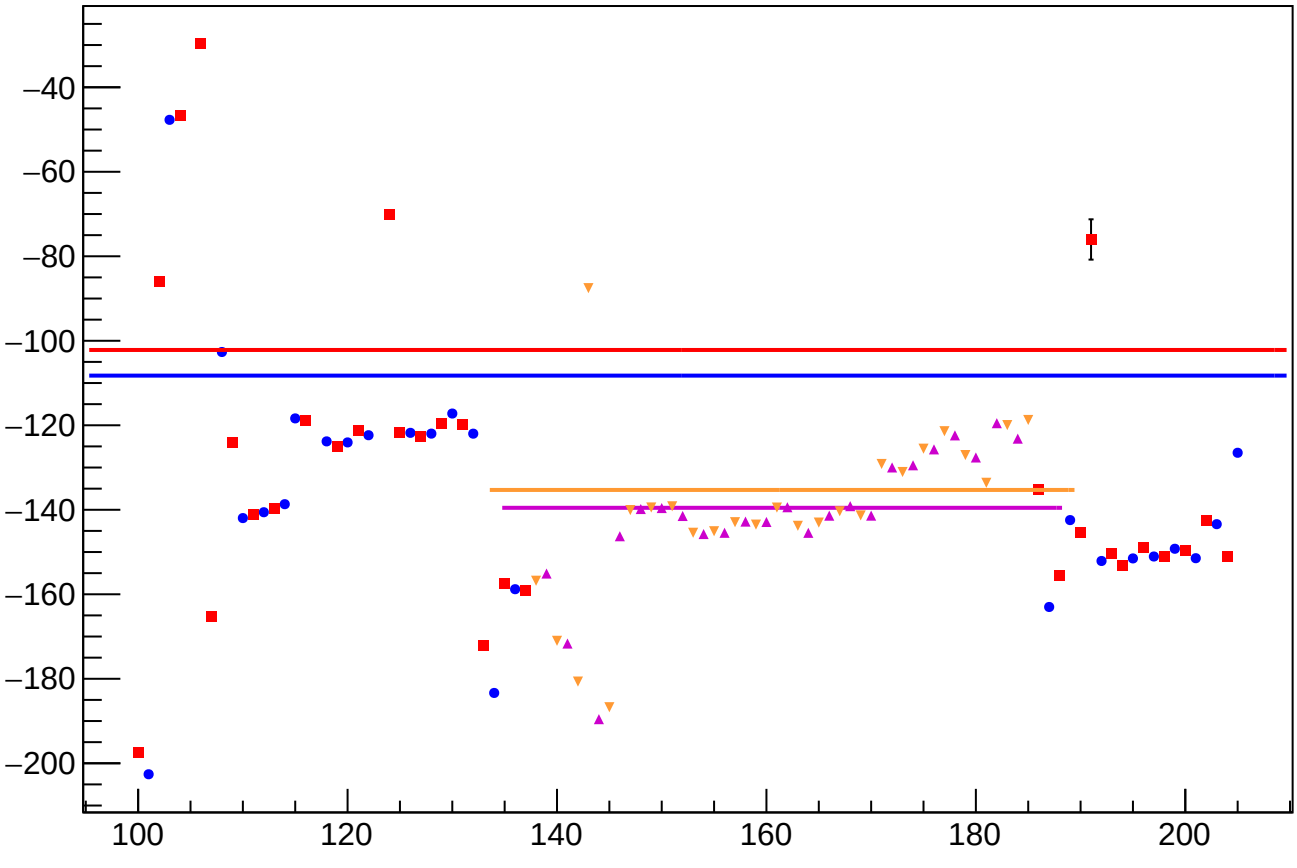
Left: 58.973+/-0.632 χ^2/NDF: 1230.6/47

Right: 34.159+/-0.879 χ^2/NDF: 649.9/54

In: 52.658+/-0.751 χ^2/NDF:1020.1/47

Out: 48.640+/-0.703 χ^2/NDF:1370.1/54

All: 50.518+/-0.513 χ^2/NDF: 2405.5/102



Right In: -108.245+/-0.060 χ^2/NDF: 662201.2/24

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

Right Out: -102.175+/-0.058 χ^2/NDF: 718470.5/29

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

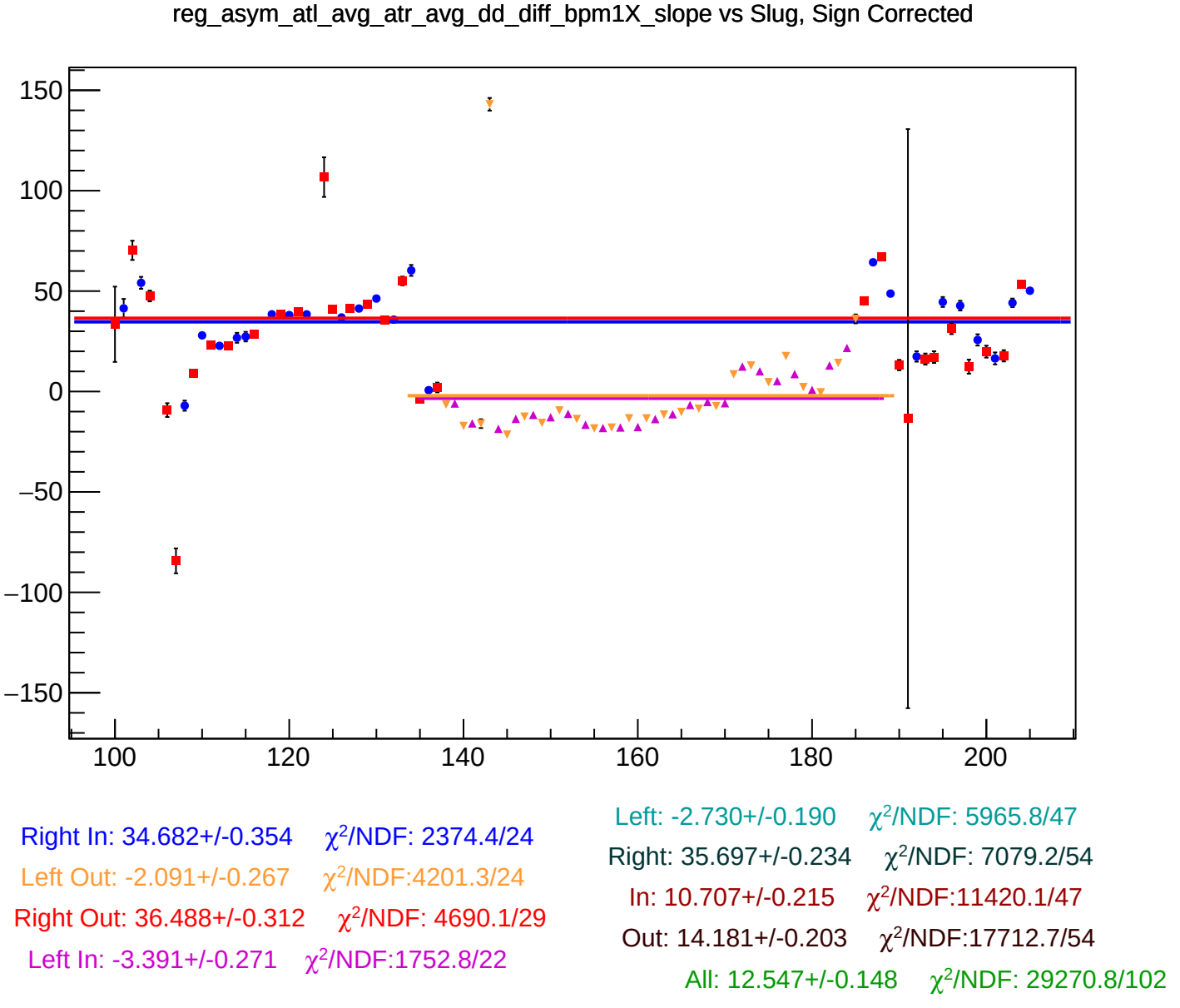
Left: -137.341+/-0.029 χ^2/NDF: 382584.2/47

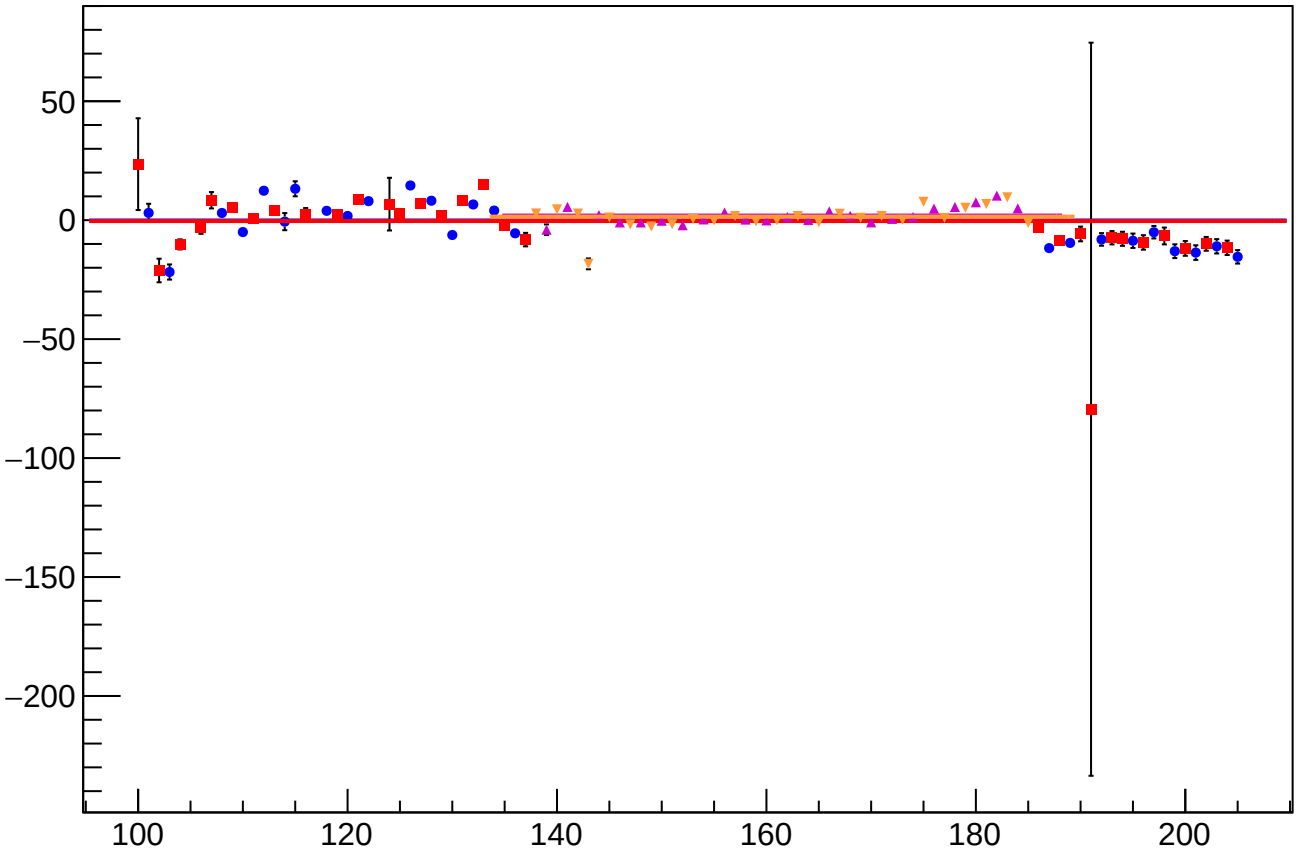
Right: -105.070+/-0.042 χ^2/NDF: 1385962.3/54

In: -129.288+/-0.035 χ^2/NDF:957454.1/47

Out: -124.326+/-0.033 χ^2/NDF:1202269.3/54

All: -126.708+/-0.024 χ^2/NDF: 2170456.9/10


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: 34.682+/-0.354 χ²/NDF: 2374.4/24
Left Out: -2.091+/-0.267 χ²/NDF:4201.3/24
Right Out: 36.488+/-0.312 χ²/NDF: 4690.1/29
Left In: -3.391+/-0.271 χ²/NDF:1752.8/22
Left: -2.730+/-0.190 χ²/NDF: 5965.8/47
Right: 35.697+/-0.234 χ²/NDF: 7079.2/54
In: 10.707+/-0.215 χ²/NDF:11420.1/47
Out: 14.181+/-0.203 χ²/NDF:17712.7/54
All: 12.547+/-0.148 χ²/NDF: 29270.8/102



Right In: -0.141+/-0.388 χ^2/NDF: 468.5/24

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.382+/-0.362 χ^2/NDF: 388.5/29

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

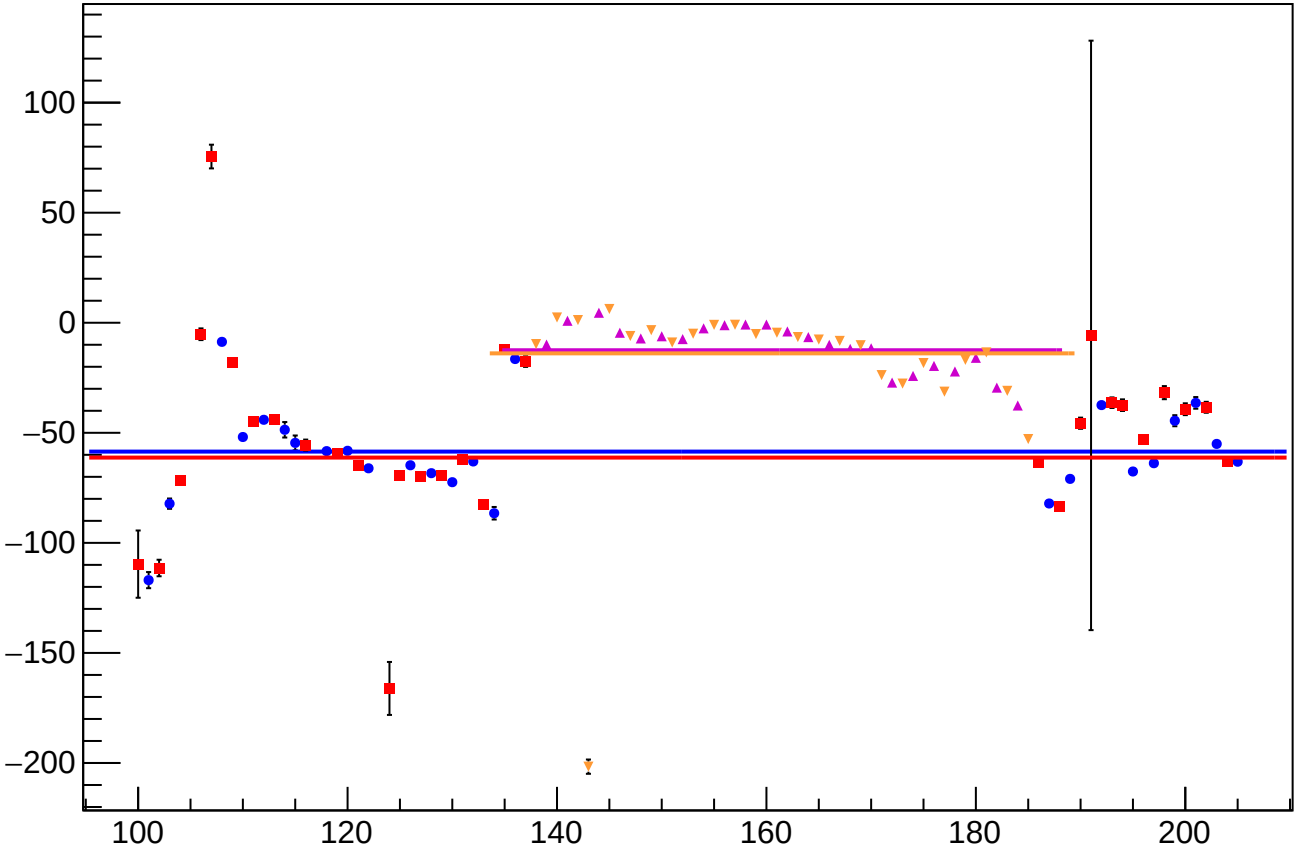
Right: -0.270+/-0.265 χ^2/NDF: 857.2/54

In: 1.462+/-0.185 χ^2/NDF:731.3/47

Out: 1.034+/-0.178 χ^2/NDF:737.3/54

All: 1.240+/-0.128 χ^2/NDF: 1471.3/102

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.535+/-0.368 χ^2/NDF: 3333.7/24

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.255+/-0.308 χ^2/NDF: 5464.0/29

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

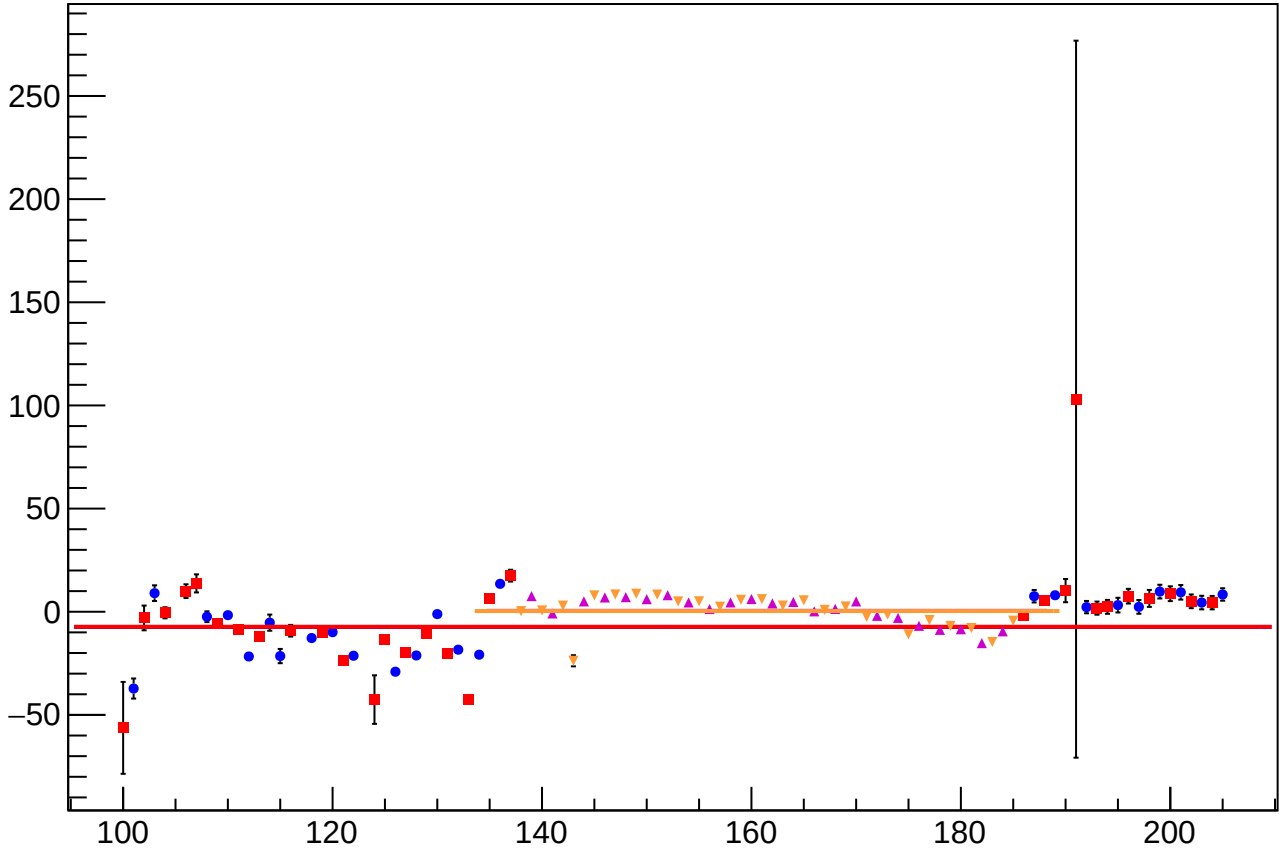
Right: -60.134+/-0.236 χ^2/NDF: 8829.8/54

In: -28.518+/-0.217 χ^2/NDF:14982.4/47

Out: -34.024+/-0.201 χ^2/NDF:24185.3/54

All: -31.485+/-0.147 χ^2/NDF: 39514.7/102

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.360+/-0.453 χ^2/NDF: 894.2/24

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.306+/-0.437 χ^2/NDF: 914.1/29

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

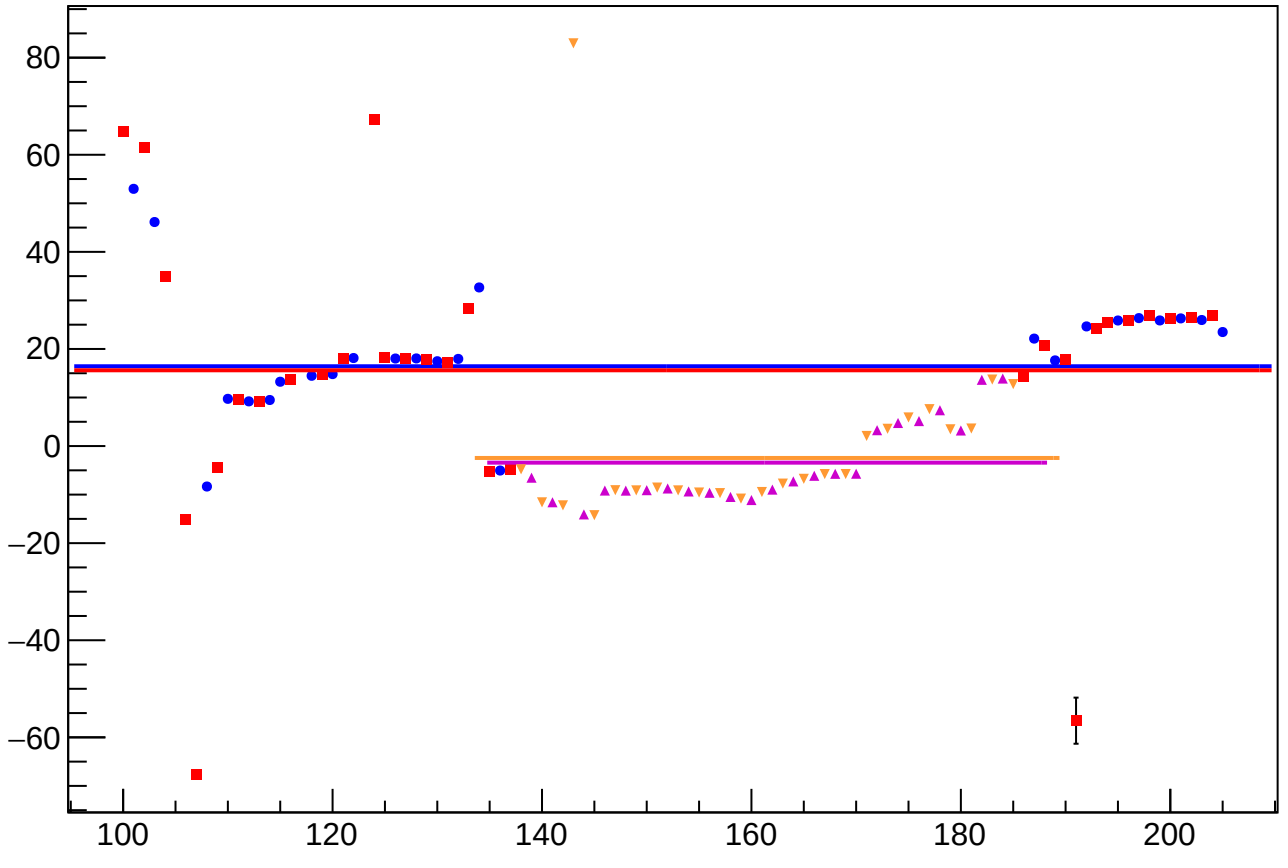
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.332+/-0.315 χ^2/NDF: 1808.3/54

In: -1.235+/-0.210 χ^2/NDF:1908.4/47

Out: -1.332+/-0.204 χ^2/NDF:2075.8/54

All: -1.285+/-0.146 χ^2/NDF: 3984.3/102



Right In: 16.435+/-0.023 χ^2/NDF: 430690.4/24

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.607+/-0.023 χ^2/NDF: 553609.9/29

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

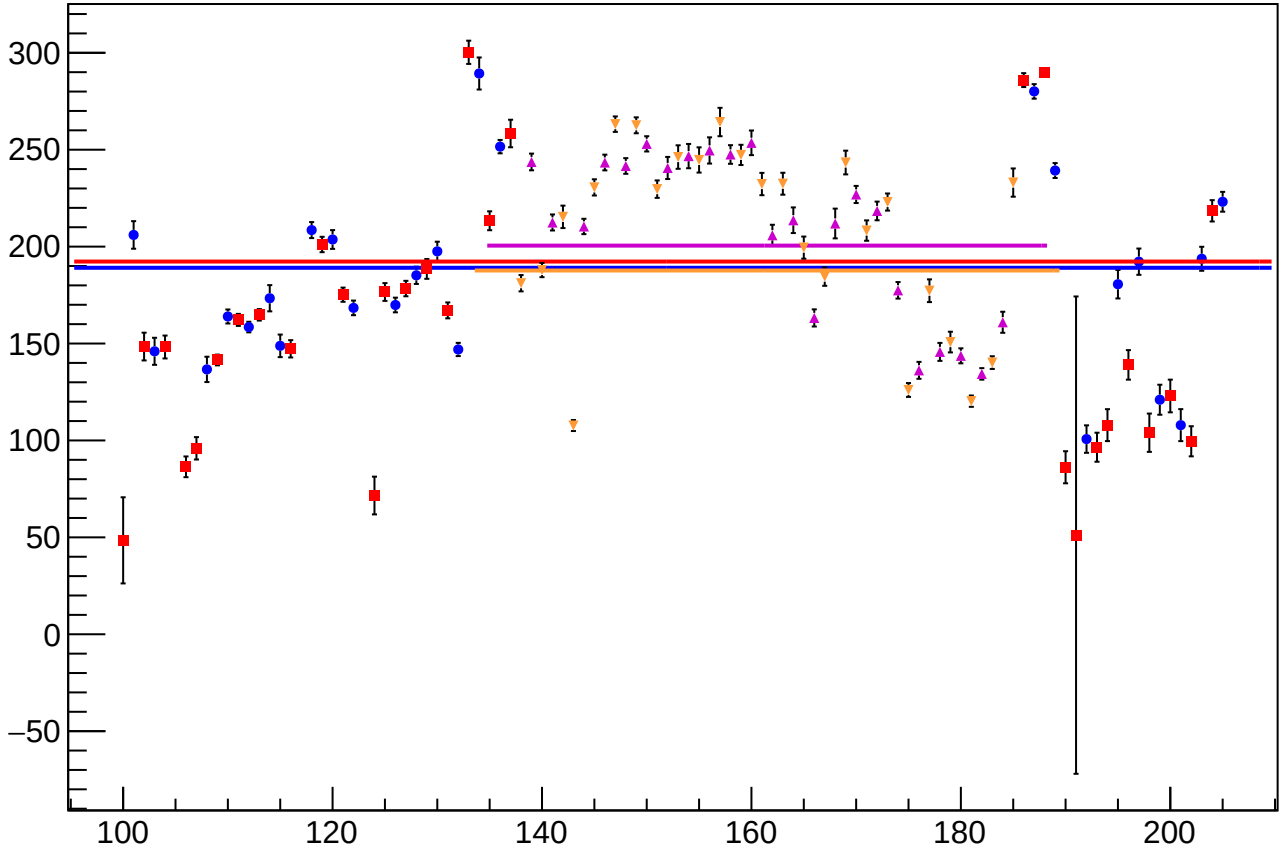
Right: 16.014+/-0.016 χ^2/NDF: 984939.6/54

In: -0.108+/-0.010 χ^2/NDF:1580307.3/47

Out: 0.593+/-0.009 χ^2/NDF:2028550.6/54

All: 0.246+/-0.007 χ^2/NDF: 3611594.4/102

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

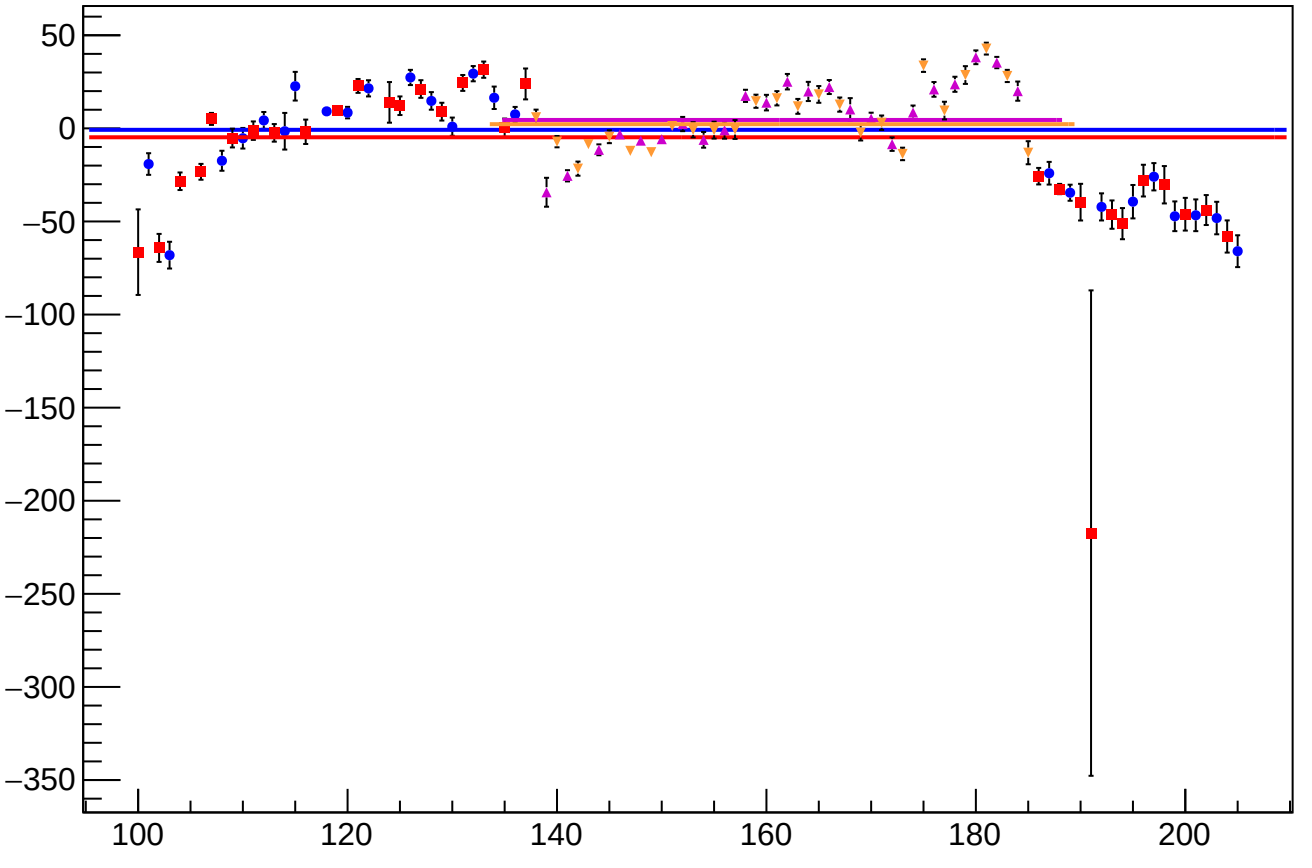
Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

Right: 190.878+/-0.624 χ^2/NDF: 8191.1/54

In: 194.698+/-0.669 χ^2/NDF:4373.6/47

Out: 190.158+/-0.612 χ^2/NDF:9537.9/54

All: 192.224+/-0.451 χ^2/NDF: 13936.6/102



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

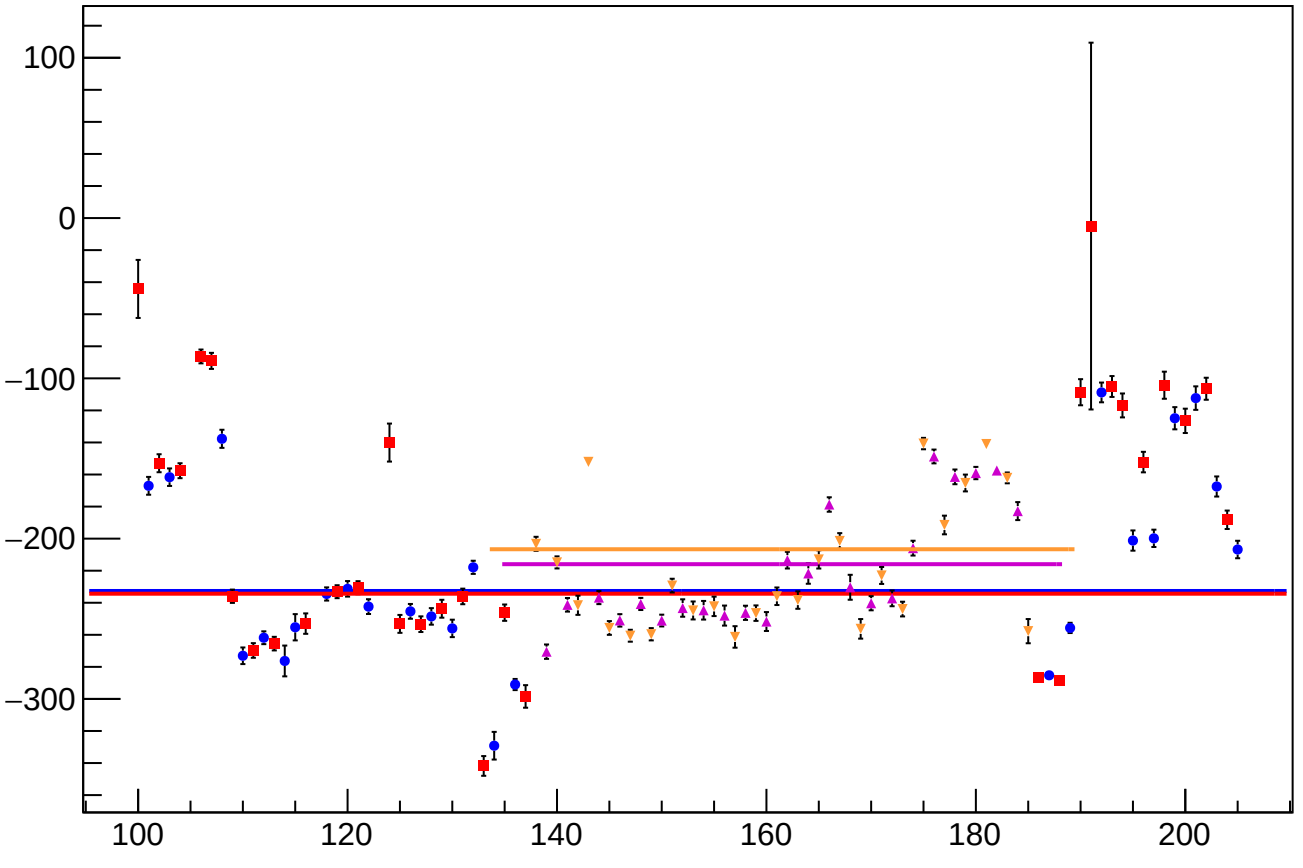
Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

Right: -2.958+/-0.679 χ^2/NDF: 1281.4/54

In: 2.729+/-0.582 χ^2/NDF:1149.0/47

Out: -0.160+/-0.539 χ^2/NDF:1328.6/54

All: 1.175+/-0.395 χ^2/NDF: 2490.9/102



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

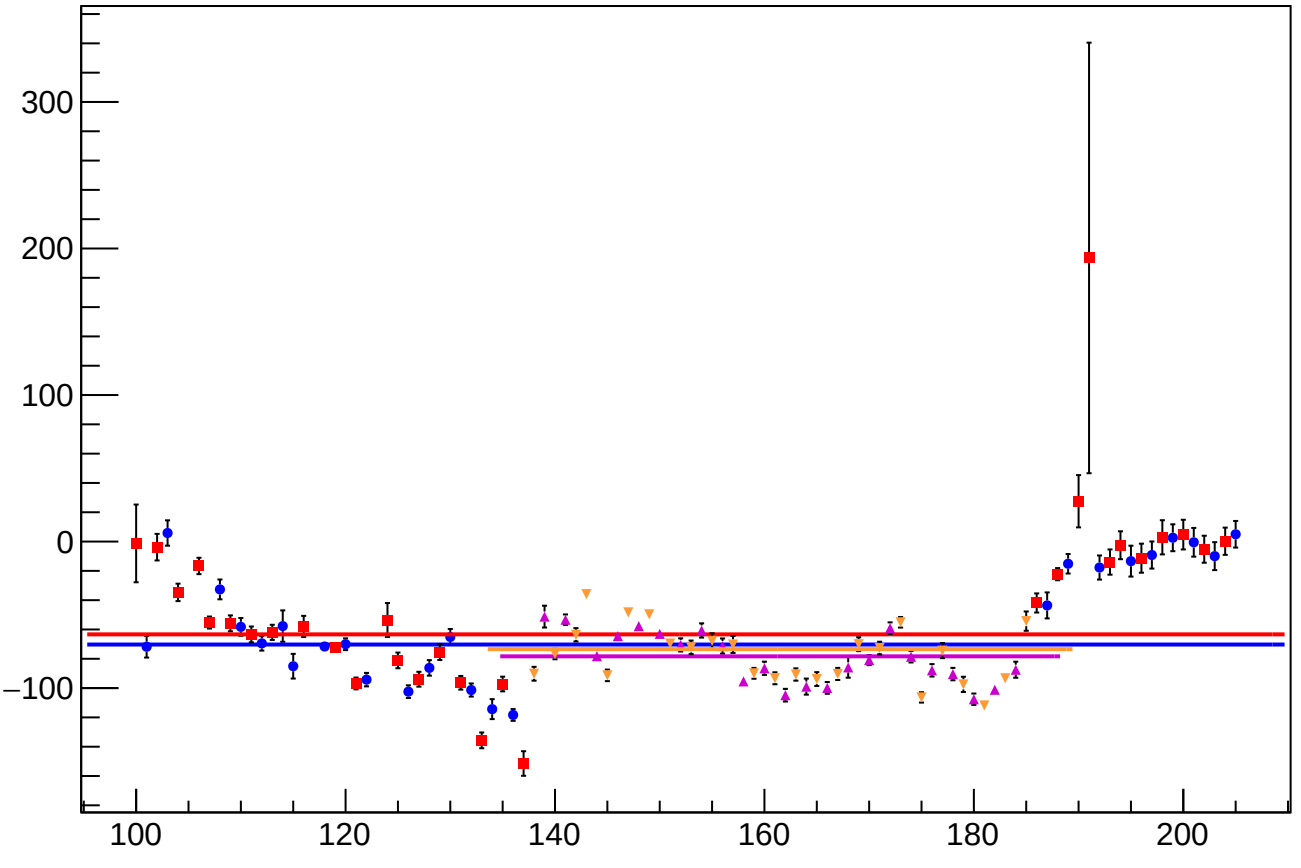
Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

Right: -233.638+/-0.641 χ^2/NDF: 9267.6/54

In: -223.969+/-0.682 χ^2/NDF:4506.0/47

Out: -221.301+/-0.614 χ^2/NDF:9598.4/54

All: -222.495+/-0.456 χ^2/NDF: 14112.9/102



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

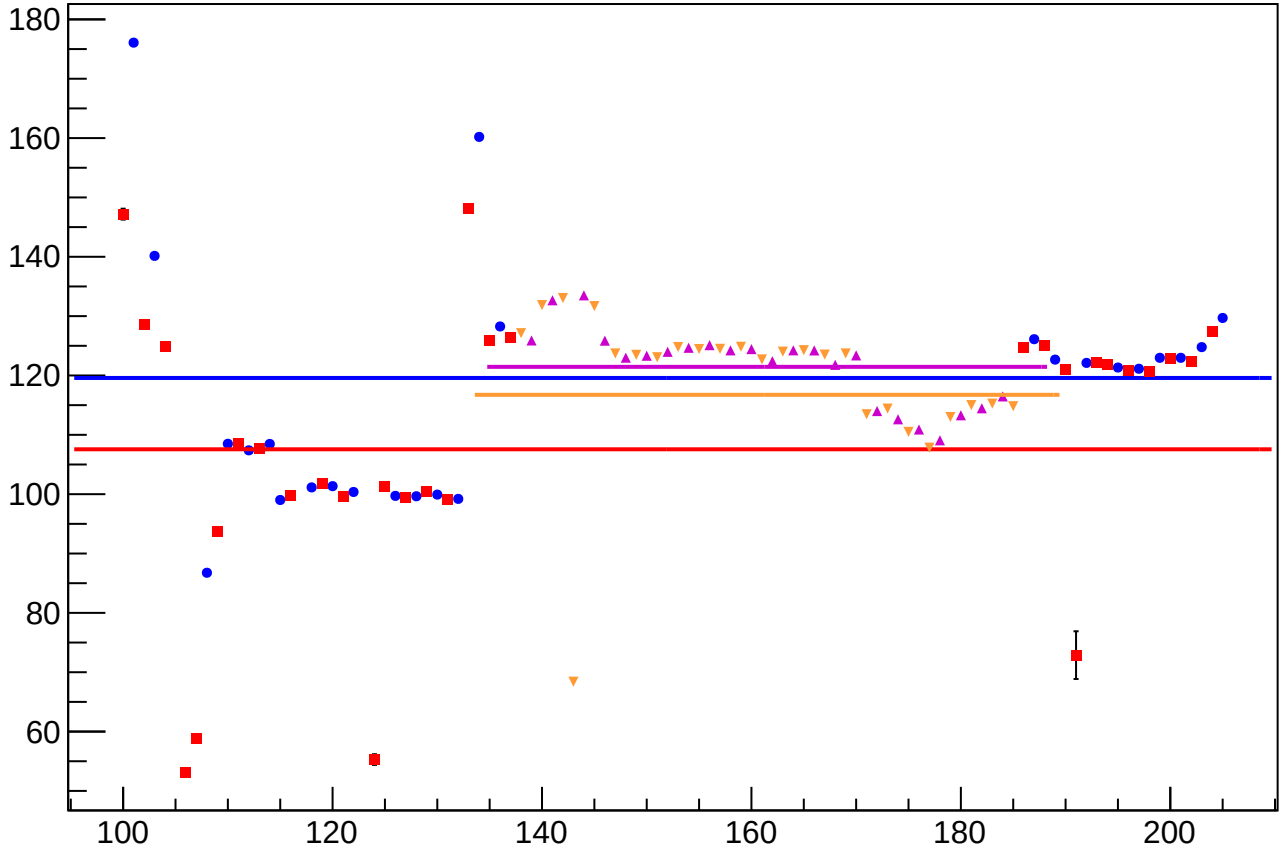
Right: -66.575+/-0.806 χ^2/NDF: 1941.6/54

In: -75.712+/-0.672 χ^2/NDF:1330.8/47

Out: -70.140+/-0.630 χ^2/NDF:1960.1/54

All: -72.747+/-0.459 χ^2/NDF: 3327.5/102

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

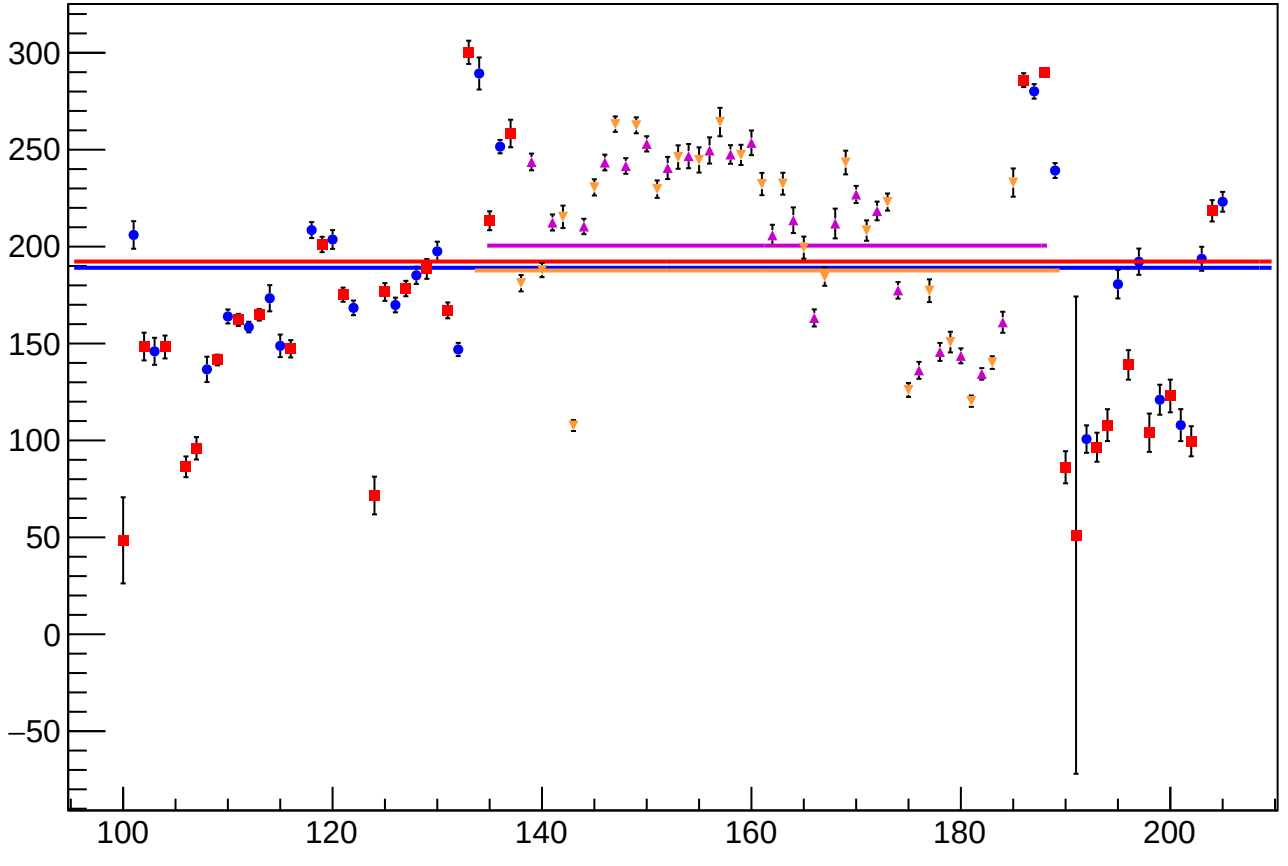
Right: 112.975+/-0.042 χ^2/NDF: 321657.3/54

In: 120.970+/-0.032 χ^2/NDF:126918.5/47

Out: 114.143+/-0.030 χ^2/NDF:426407.7/54

All: 117.366+/-0.022 χ^2/NDF: 577238.5/102

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.306+/-0.836 χ^2/NDF: 5995.4/29

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

Left: 193.703+/-0.654 χ^2/NDF: 5735.7/47

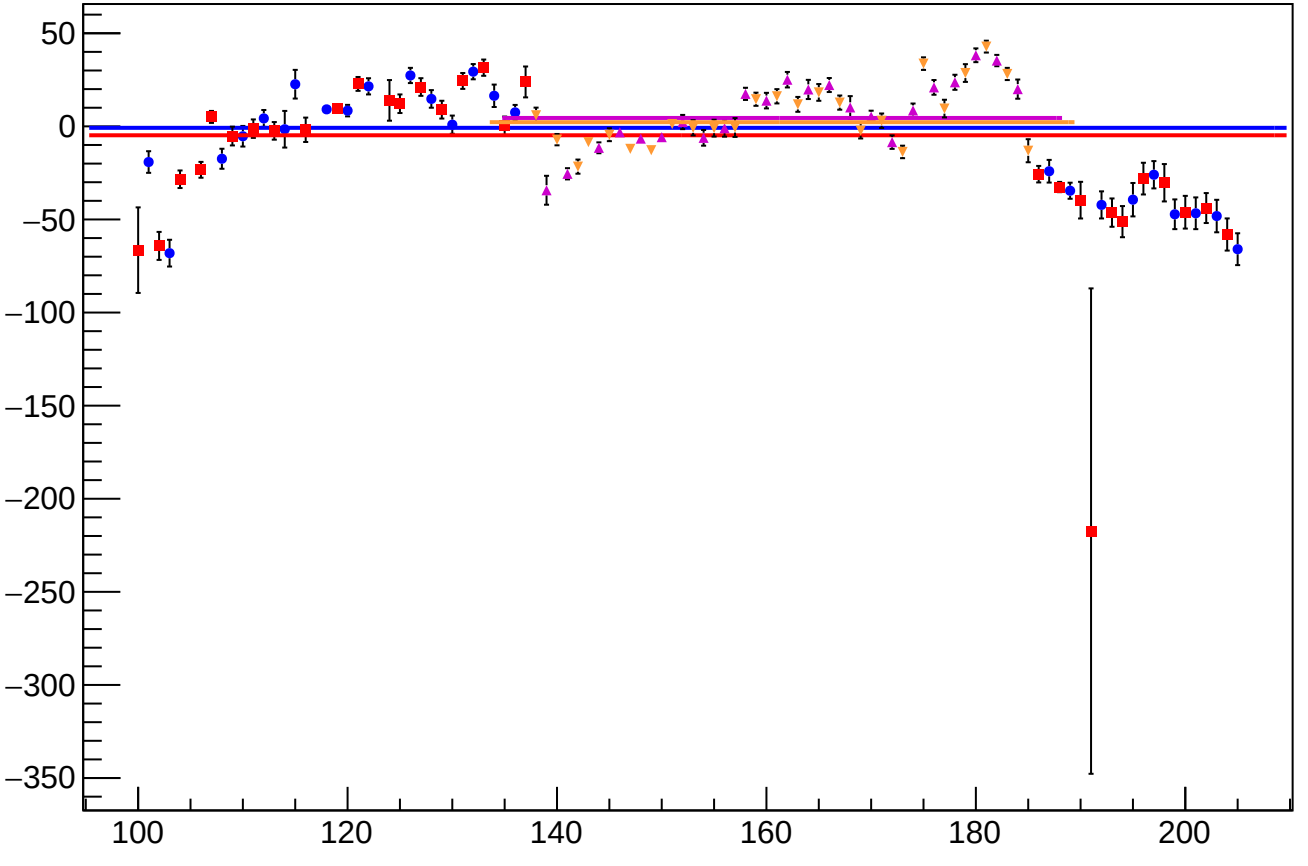
Right: 190.878+/-0.624 χ^2/NDF: 8191.1/54

In: 194.698+/-0.669 χ^2/NDF:4373.6/47

Out: 190.158+/-0.612 χ^2/NDF:9537.9/54

All: 192.224+/-0.451 χ^2/NDF: 13936.6/102

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -4.791+/-0.922 χ^2/NDF: 689.4/29

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

Left: 3.298+/-0.486 χ^2/NDF: 1153.4/47

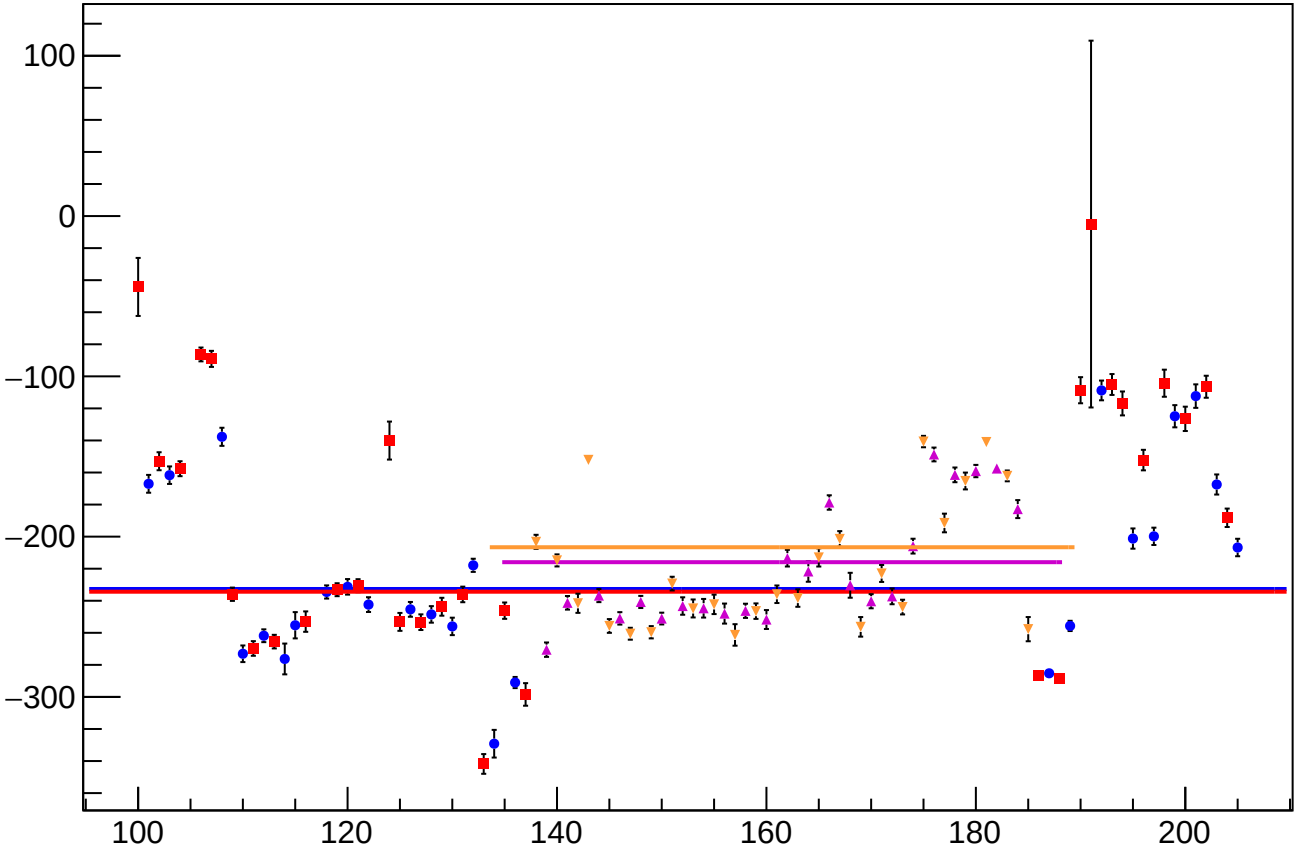
Right: -2.958+/-0.679 χ^2/NDF: 1281.4/54

In: 2.729+/-0.582 χ^2/NDF:1149.0/47

Out: -0.160+/-0.539 χ^2/NDF:1328.6/54

All: 1.175+/-0.395 χ^2/NDF: 2490.9/102

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -234.356+/-0.844 χ^2/NDF: 6621.8/29

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

Left: -211.017+/-0.650 χ^2/NDF: 4230.9/47

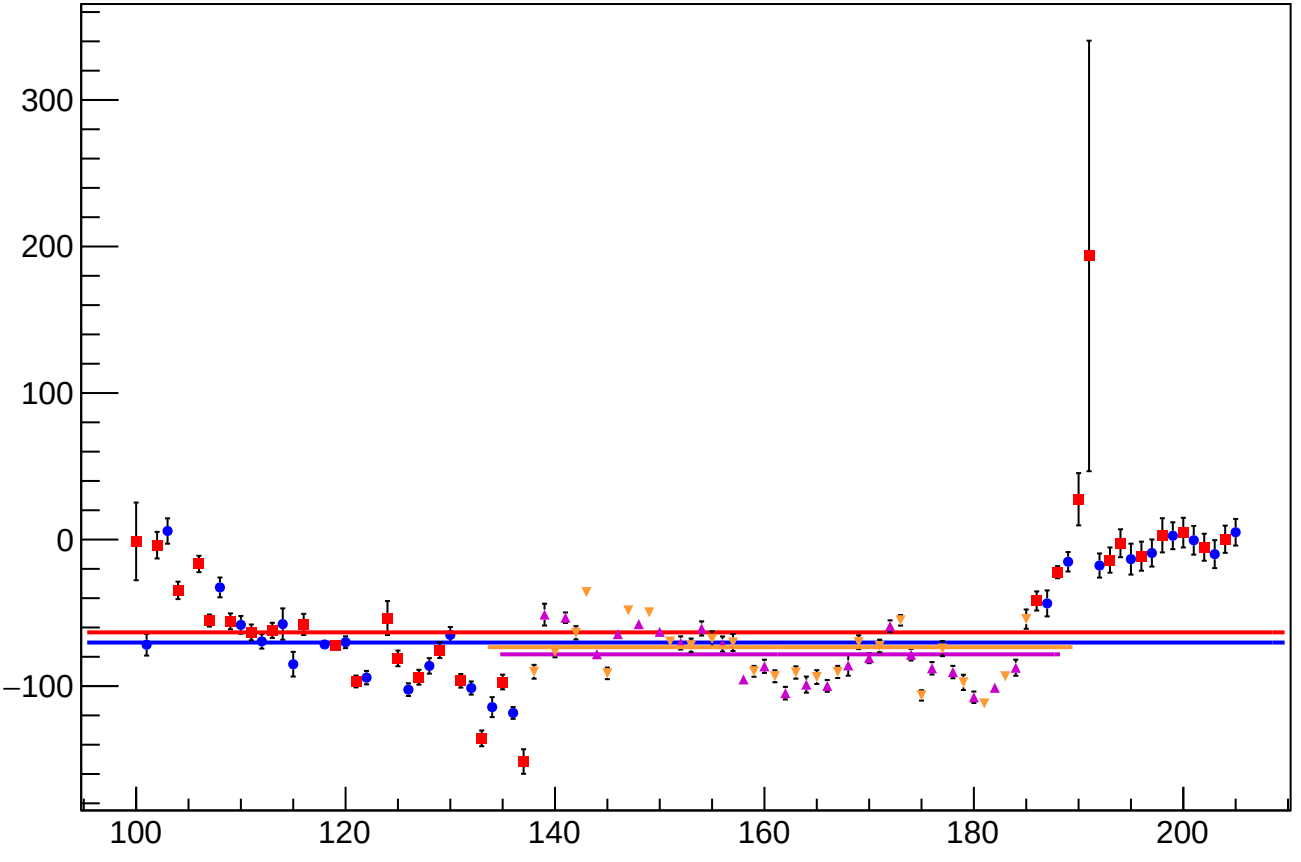
Right: -233.638+/-0.641 χ^2/NDF: 9267.6/54

In: -223.969+/-0.682 χ^2/NDF:4506.0/47

Out: -221.301+/-0.614 χ^2/NDF:9598.4/54

All: -222.495+/-0.456 χ^2/NDF: 14112.9/102

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -63.333+/-1.104 χ^2/NDF: 1067.2/29

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

Left: -75.722+/-0.559 χ^2/NDF: 1298.9/47

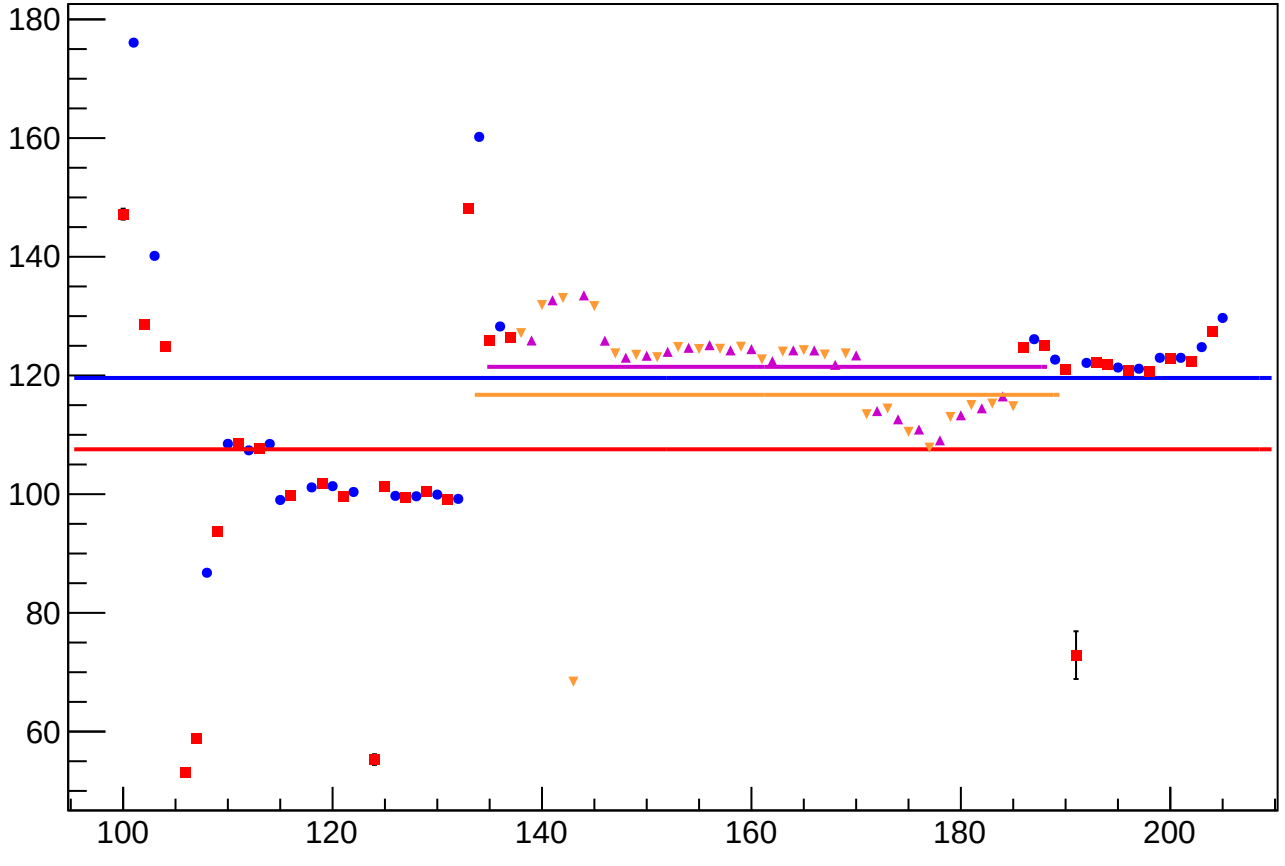
Right: -66.575+/-0.806 χ^2/NDF: 1941.6/54

In: -75.712+/-0.672 χ^2/NDF:1330.8/47

Out: -70.140+/-0.630 χ^2/NDF:1960.1/54

All: -72.747+/-0.459 χ^2/NDF: 3327.5/102

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 107.563+/-0.057 χ^2/NDF: 204179.3/29

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

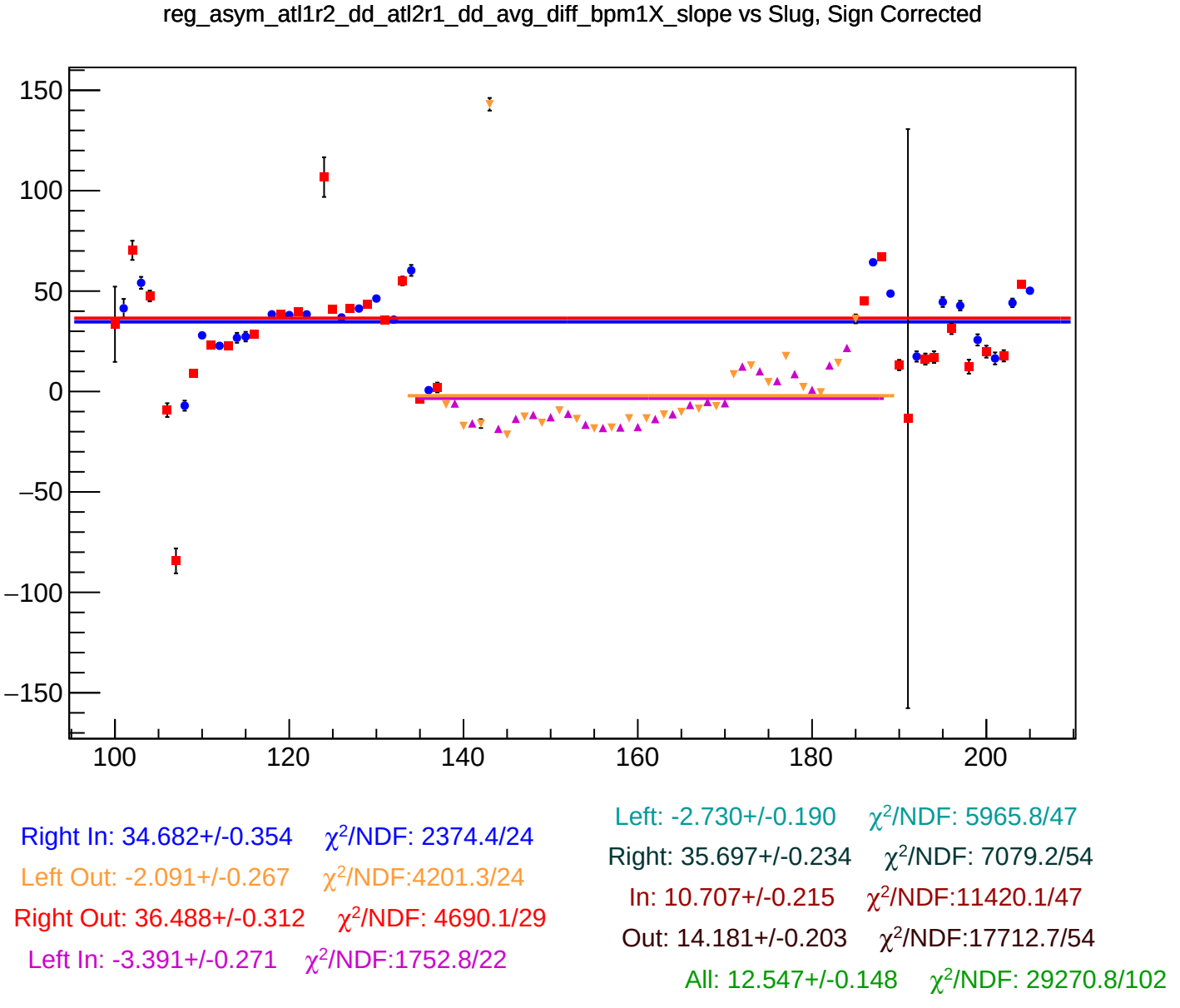
Left: 119.004+/-0.026 χ^2/NDF: 240766.9/47

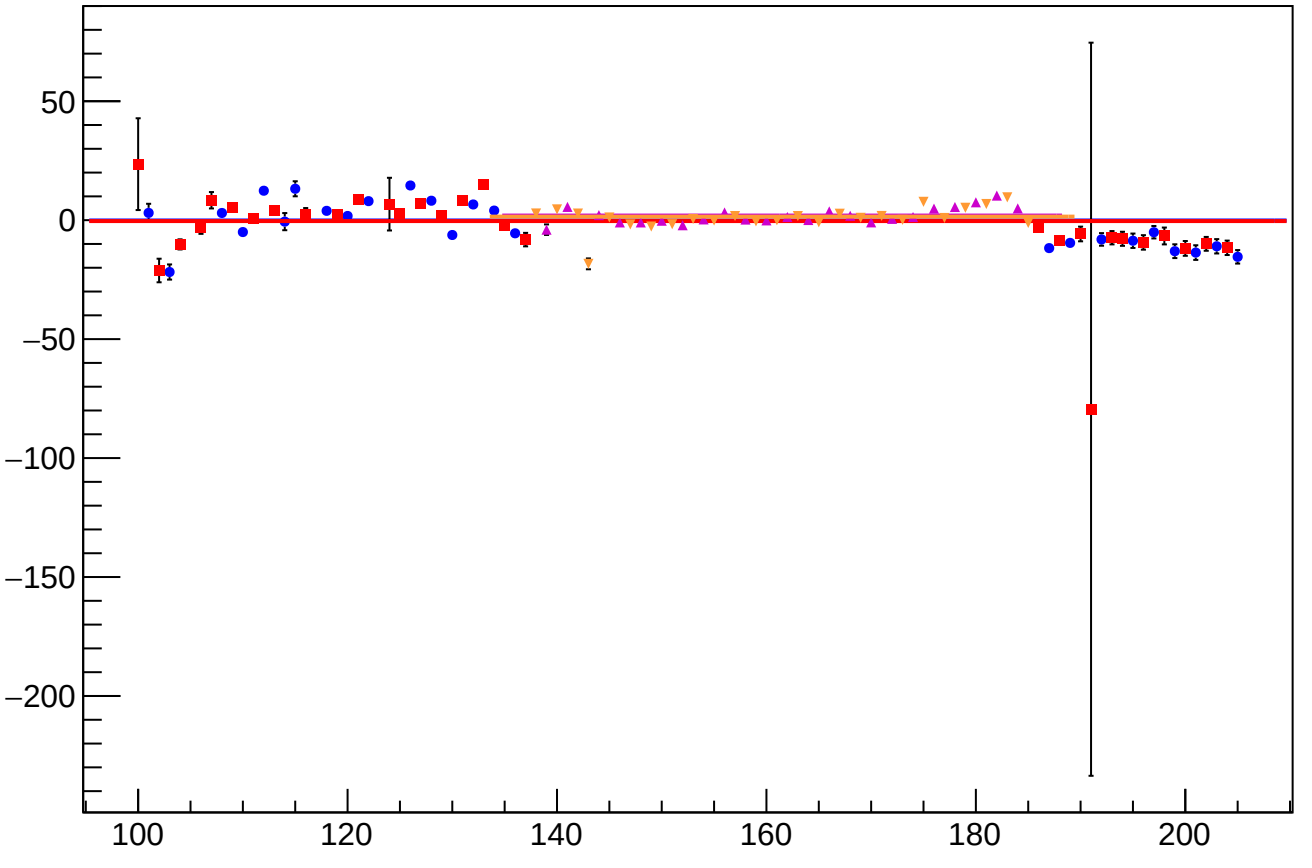
Right: 112.975+/-0.042 χ^2/NDF: 321657.3/54

In: 120.970+/-0.032 χ^2/NDF:126918.5/47

Out: 114.143+/-0.030 χ^2/NDF:426407.7/54

All: 117.366+/-0.022 χ^2/NDF: 577238.5/102


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs Slug, Sign Corrected
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
Right In: 34.682+/-0.354 χ2/NDF: 2374.4/24
Left Out: -2.091+/-0.267 χ2/NDF:4201.3/24
Right Out: 36.488+/-0.312 χ2/NDF: 4690.1/29
Left In: -3.391+/-0.271 χ2/NDF:1752.8/22
Left: -2.730+/-0.190 χ2/NDF: 5965.8/47
Right: 35.697+/-0.234 χ2/NDF: 7079.2/54
In: 10.707+/-0.215 χ2/NDF:11420.1/47
Out: 14.181+/-0.203 χ2/NDF:17712.7/54
All: 12.547+/-0.148 χ2/NDF: 29270.8/102



Right In: -0.141+/-0.388 χ^2/NDF: 468.5/24

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

Right Out: -0.382+/-0.362 χ^2/NDF: 388.5/29

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

Left: 1.705+/-0.147 χ^2/NDF: 571.5/47

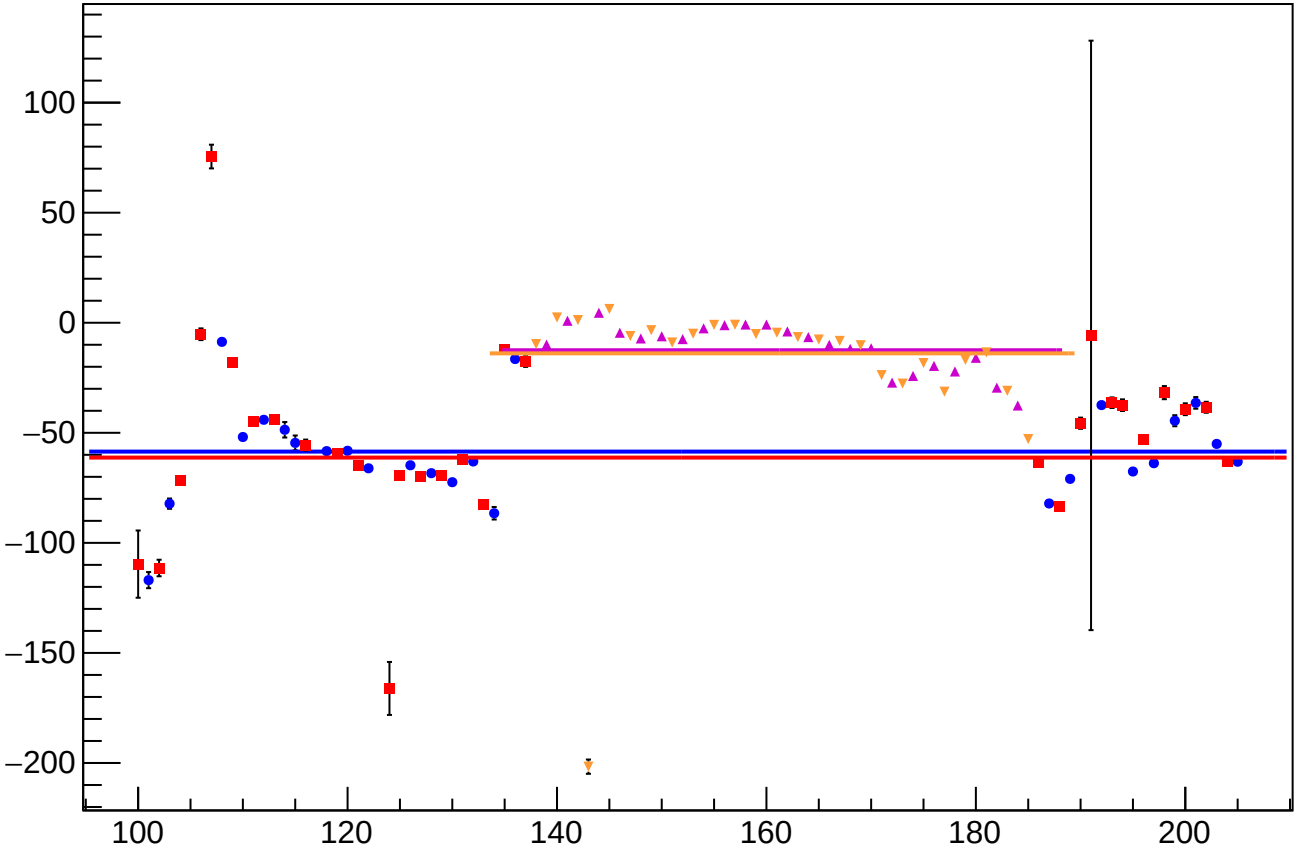
Right: -0.270+/-0.265 χ^2/NDF: 857.2/54

In: 1.462+/-0.185 χ^2/NDF:731.3/47

Out: 1.034+/-0.178 χ^2/NDF:737.3/54

All: 1.240+/-0.128 χ^2/NDF: 1471.3/102

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -58.535+/-0.368 χ^2/NDF: 3333.7/24

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.255+/-0.308 χ^2/NDF: 5464.0/29

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

Left: -13.212+/-0.189 χ^2/NDF: 6572.6/47

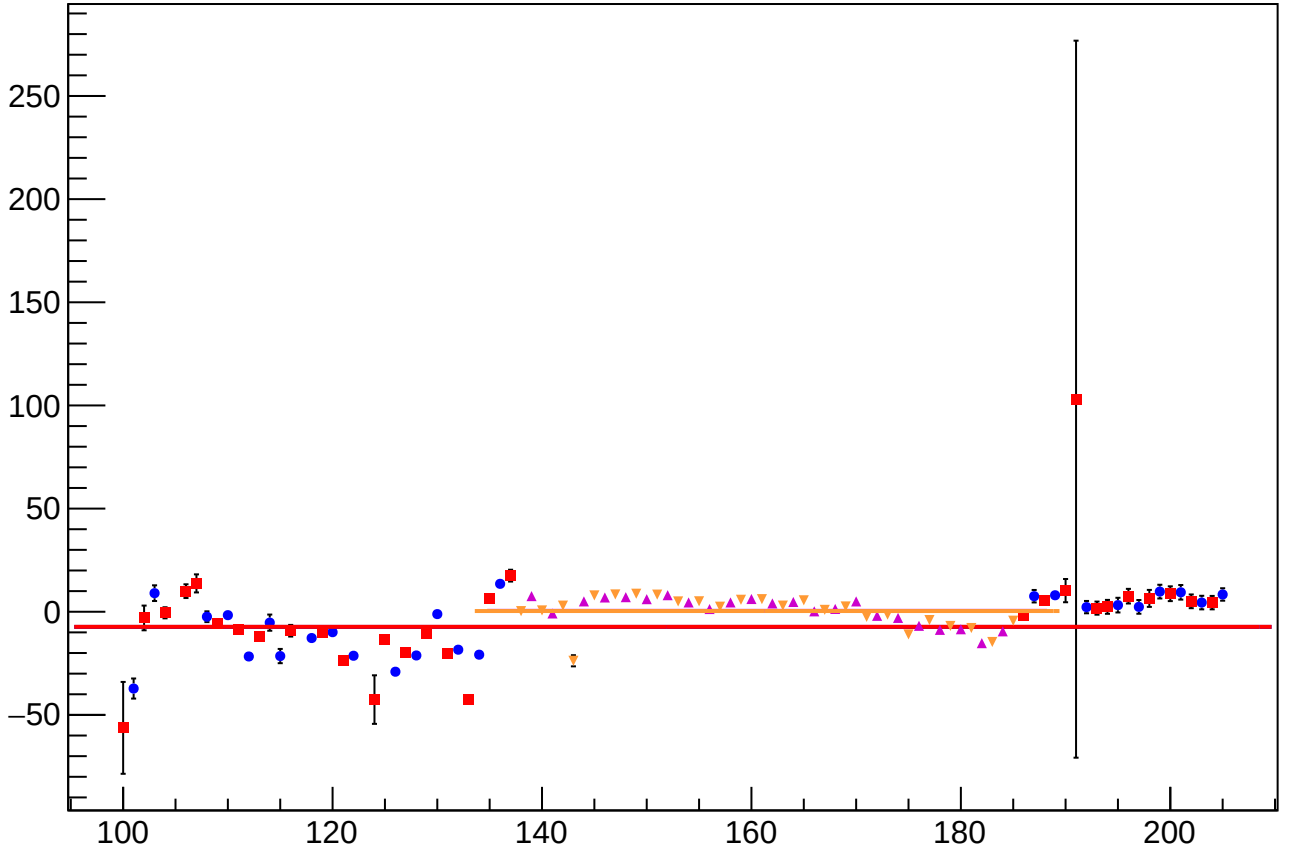
Right: -60.134+/-0.236 χ^2/NDF: 8829.8/54

In: -28.518+/-0.217 χ^2/NDF:14982.4/47

Out: -34.024+/-0.201 χ^2/NDF:24185.3/54

All: -31.485+/-0.147 χ^2/NDF: 39514.7/102

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -7.360+/-0.453 χ^2/NDF: 894.2/24

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

Right Out: -7.306+/-0.437 χ^2/NDF: 914.1/29

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

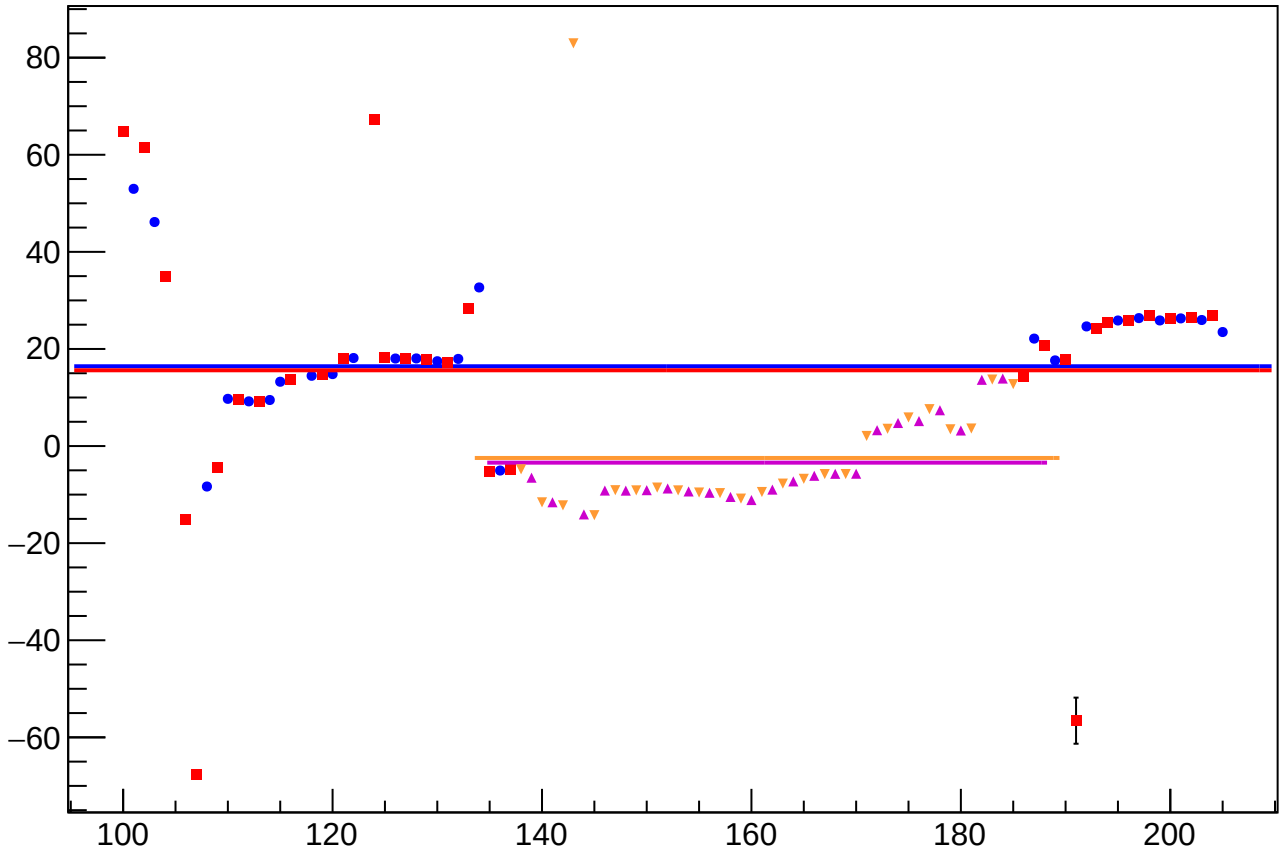
Left: 0.388+/-0.165 χ^2/NDF: 1704.0/47

Right: -7.332+/-0.315 χ^2/NDF: 1808.3/54

In: -1.235+/-0.210 χ^2/NDF:1908.4/47

Out: -1.332+/-0.204 χ^2/NDF:2075.8/54

All: -1.285+/-0.146 χ^2/NDF: 3984.3/102



Right In: 16.435+/-0.023 χ^2/NDF: 430690.4/24

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

Right Out: 15.607+/-0.023 χ^2/NDF: 553609.9/29

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

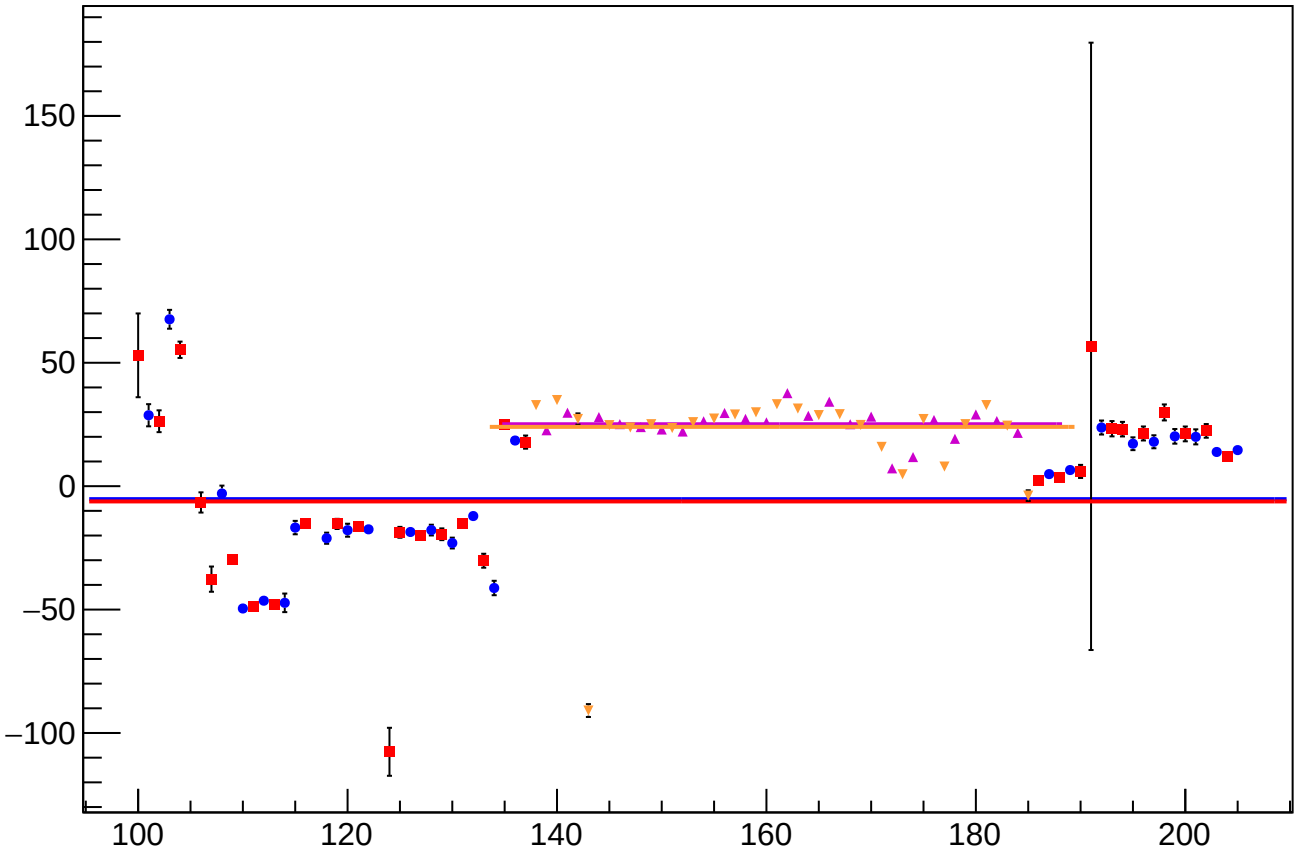
Left: -2.931+/-0.007 χ^2/NDF: 1512952.8/47

Right: 16.014+/-0.016 χ^2/NDF: 984939.6/54

In: -0.108+/-0.010 χ^2/NDF:1580307.3/47

Out: 0.593+/-0.009 χ^2/NDF:2028550.6/54

All: 0.246+/-0.007 χ^2/NDF: 3611594.4/102



Right In: -5.254+/-0.434 χ^2/NDF: 3203.3/24

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -6.182+/-0.401 χ^2/NDF: 3463.7/29

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

Left: 24.547+/-0.201 χ^2/NDF: 3304.5/47

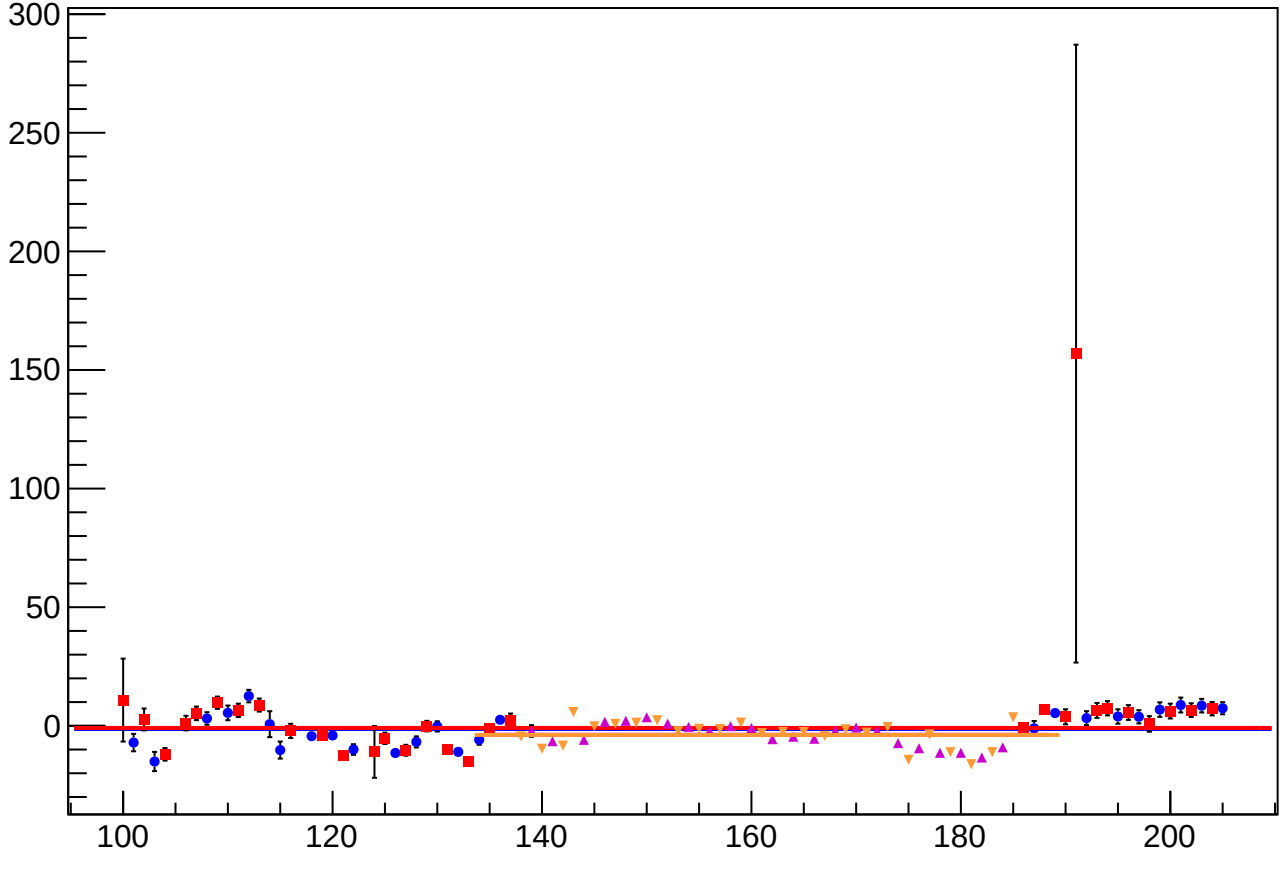
Right: -5.755+/-0.294 χ^2/NDF: 6669.5/54

In: 15.855+/-0.240 χ^2/NDF:7095.3/47

Out: 14.020+/-0.231 χ^2/NDF:10065.8/54

All: 14.903+/-0.166 χ^2/NDF: 17191.6/102

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.329+/-0.474 χ^2/NDF: 201.8/24

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: -0.893+/-0.453 χ^2/NDF: 256.8/29

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

Left: -3.813+/-0.156 χ^2/NDF: 1159.2/47

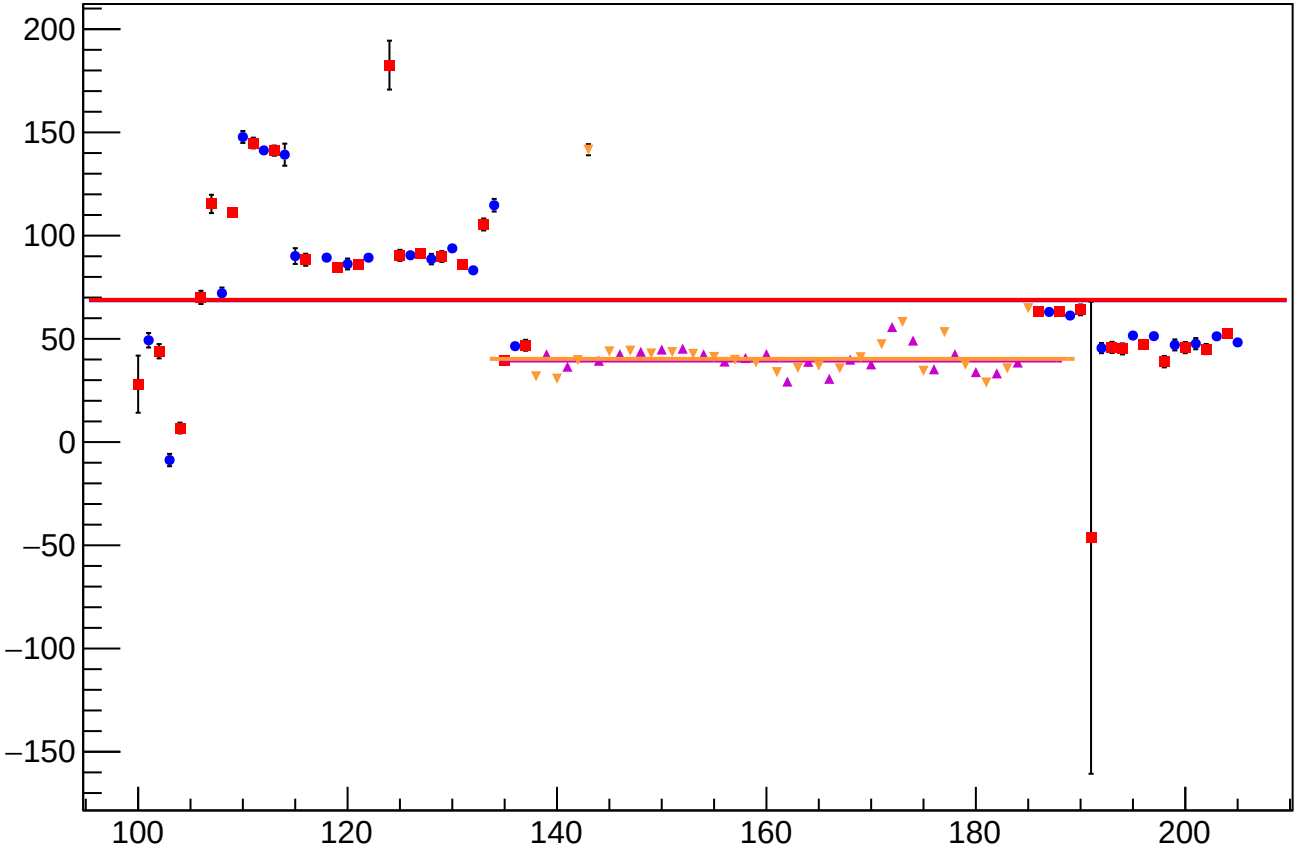
Right: -1.101+/-0.328 χ^2/NDF: 459.1/54

In: -3.334+/-0.202 χ^2/NDF:733.5/47

Out: -3.292+/-0.196 χ^2/NDF:940.6/54

All: -3.312+/-0.141 χ^2/NDF: 1674.1/102

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 68.696+/-0.448 χ^2/NDF: 4258.1/24

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

Right Out: 68.887+/-0.398 χ^2/NDF: 4485.3/29

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

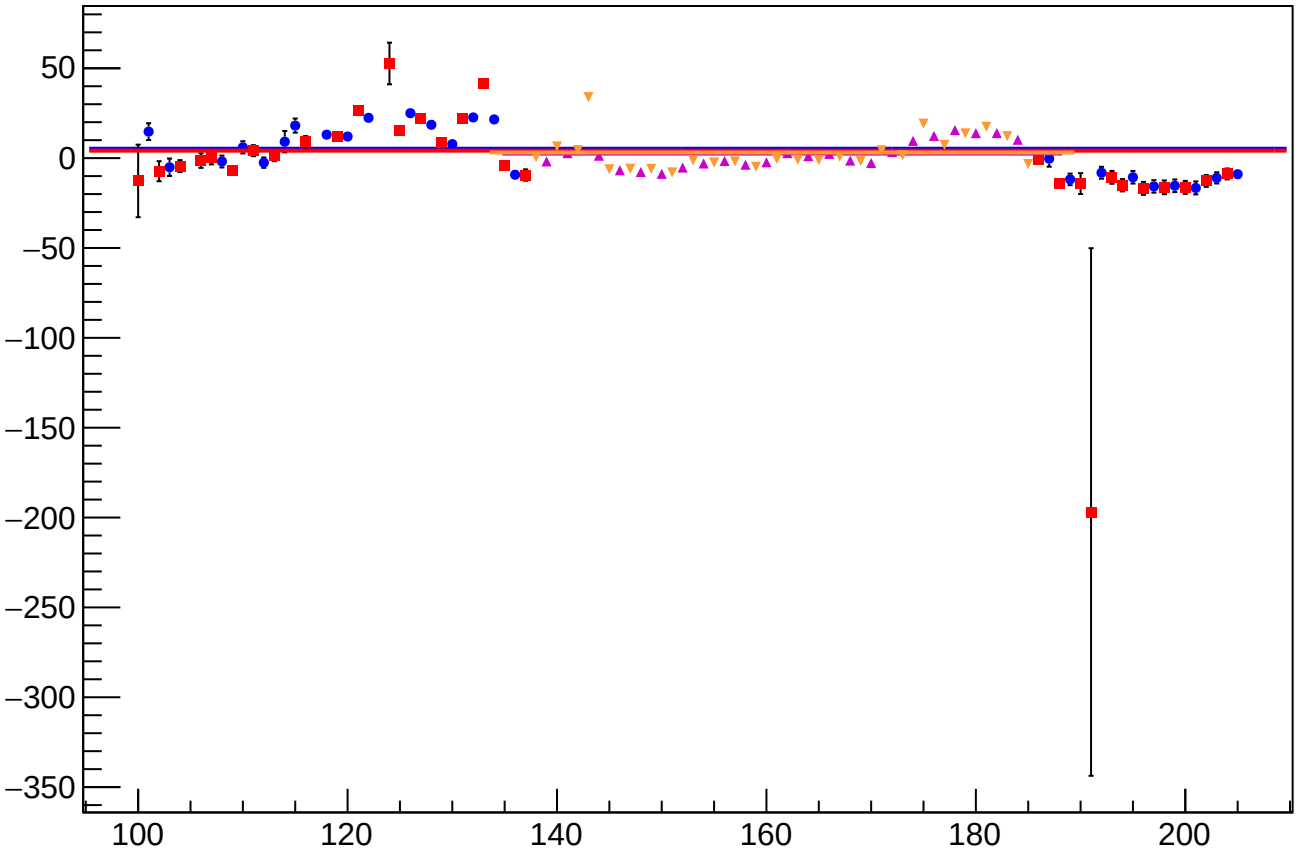
Left: 39.916+/-0.200 χ^2/NDF: 2619.0/47

Right: 68.803+/-0.298 χ^2/NDF: 8743.4/54

In: 47.899+/-0.240 χ^2/NDF:7713.1/47

Out: 49.779+/-0.229 χ^2/NDF:10113.4/54

All: 48.884+/-0.166 χ^2/NDF: 17858.6/102



Right In: 5.223+/-0.547 χ^2/NDF: 655.1/24

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

Right Out: 4.164+/-0.538 χ^2/NDF: 840.6/29

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

Left: 2.837+/-0.175 χ^2/NDF: 2238.3/47

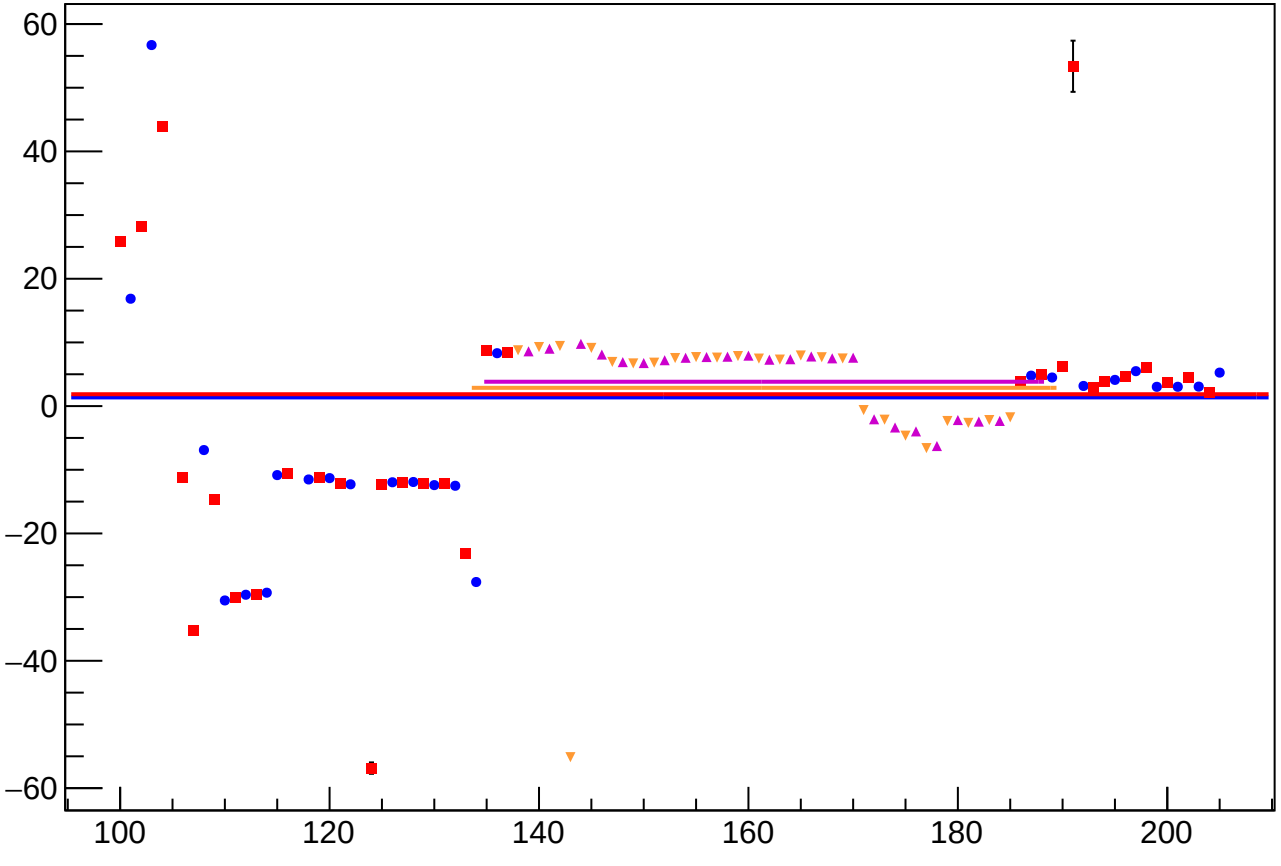
Right: 4.685+/-0.384 χ^2/NDF: 1497.7/54

In: 2.990+/-0.228 χ^2/NDF:1643.5/47

Out: 3.318+/-0.223 χ^2/NDF:2110.6/54

All: 3.157+/-0.160 χ^2/NDF: 3755.2/102

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 1.363+/-0.026 χ^2/NDF: 376116.0/24

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 1.863+/-0.026 χ^2/NDF: 326109.0/29

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

Left: 3.343+/-0.008 χ^2/NDF: 749294.8/47

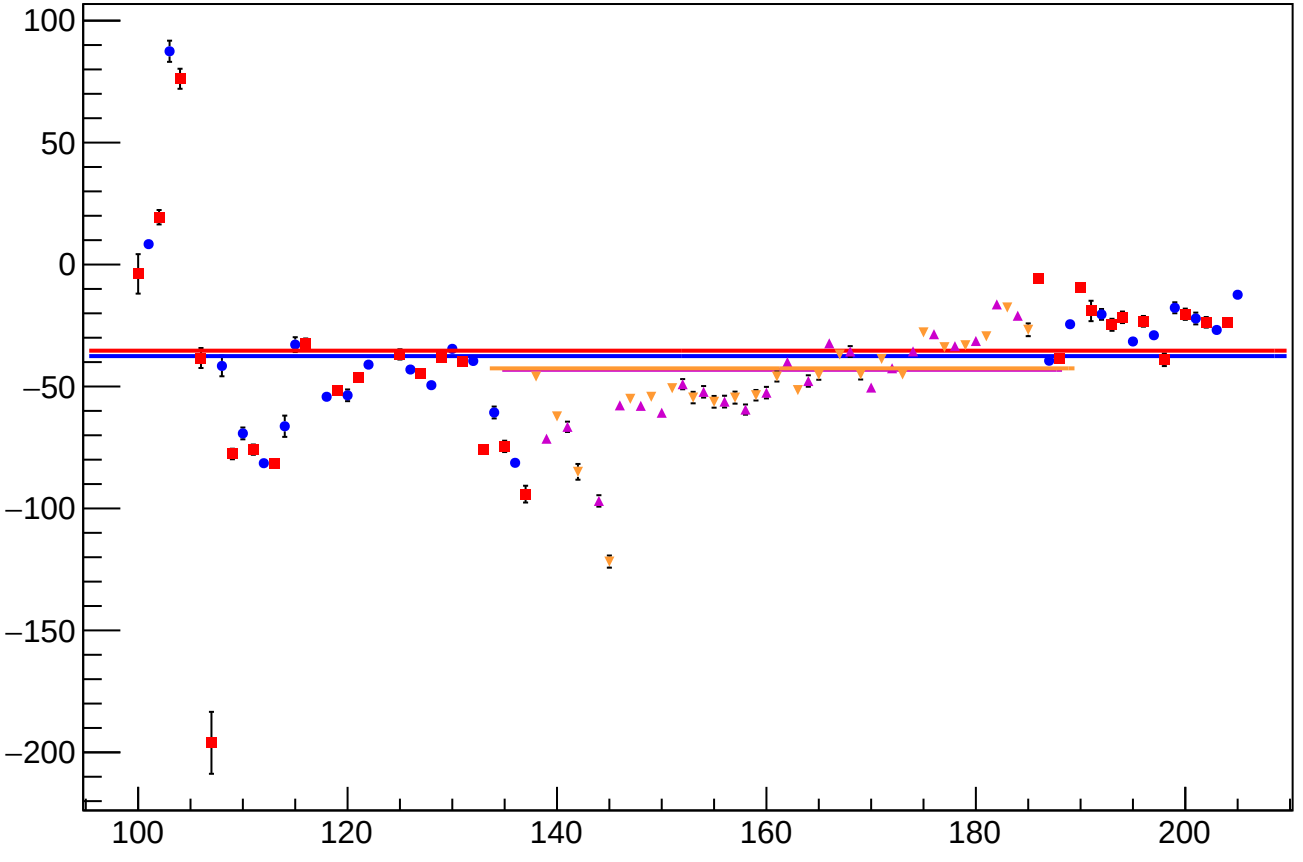
Right: 1.616+/-0.019 χ^2/NDF: 702406.5/54

In: 3.456+/-0.010 χ^2/NDF:616723.5/47

Out: 2.719+/-0.010 χ^2/NDF:839703.1/54

All: 3.083+/-0.007 χ^2/NDF: 1459046.5/102

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -37.541+/-0.395 χ^2/NDF: 3734.6/24

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -35.311+/-0.353 χ^2/NDF: 5225.2/28

Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

Left: -42.854+/-0.269 χ^2/NDF: 4534.2/46

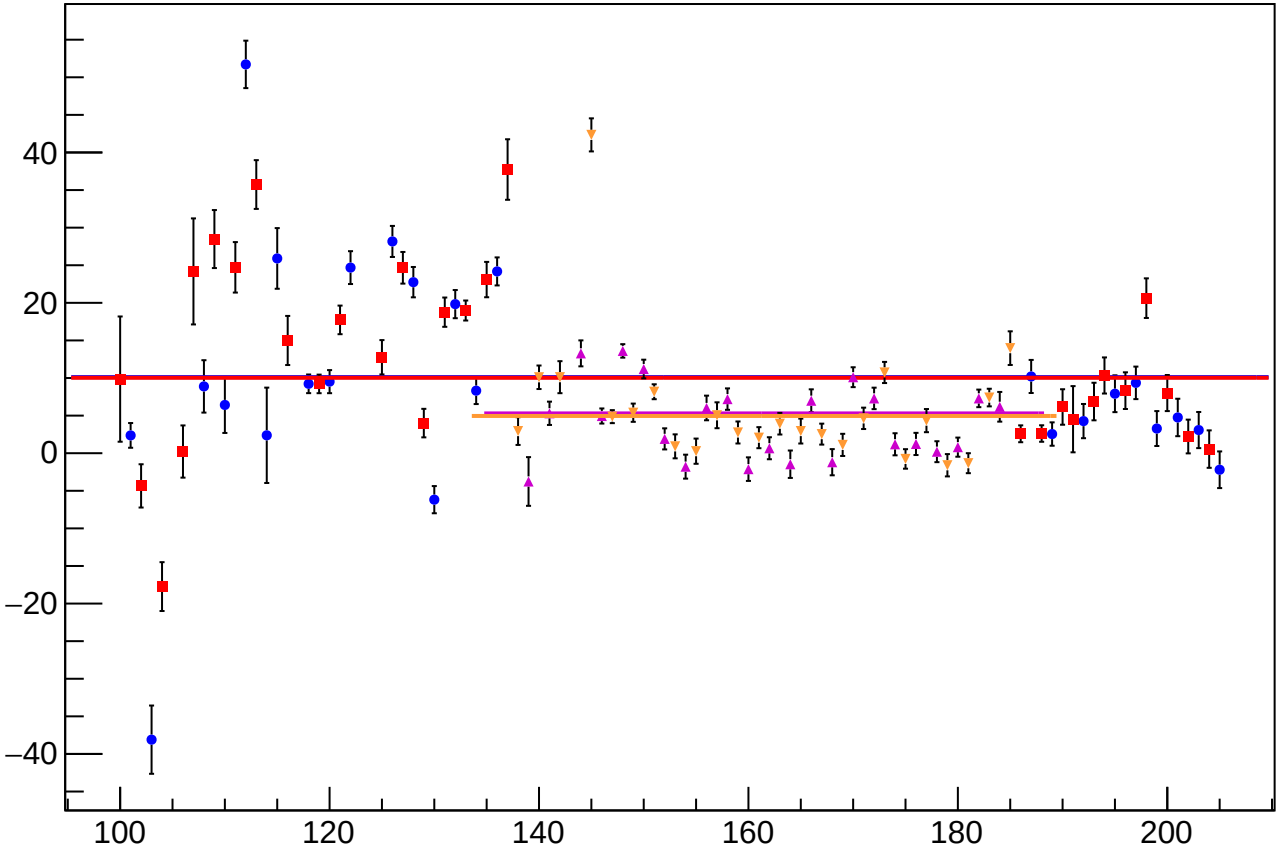
Right: -36.302+/-0.263 χ^2/NDF: 8977.5/53

In: -40.446+/-0.274 χ^2/NDF:6045.6/47

Out: -38.690+/-0.258 χ^2/NDF:7747.7/52

All: -39.514+/-0.188 χ^2/NDF: 13814.9/100

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 10.117+/-0.423 χ^2/NDF: 732.1/24

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 10.034+/-0.395 χ^2/NDF: 577.1/28

Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

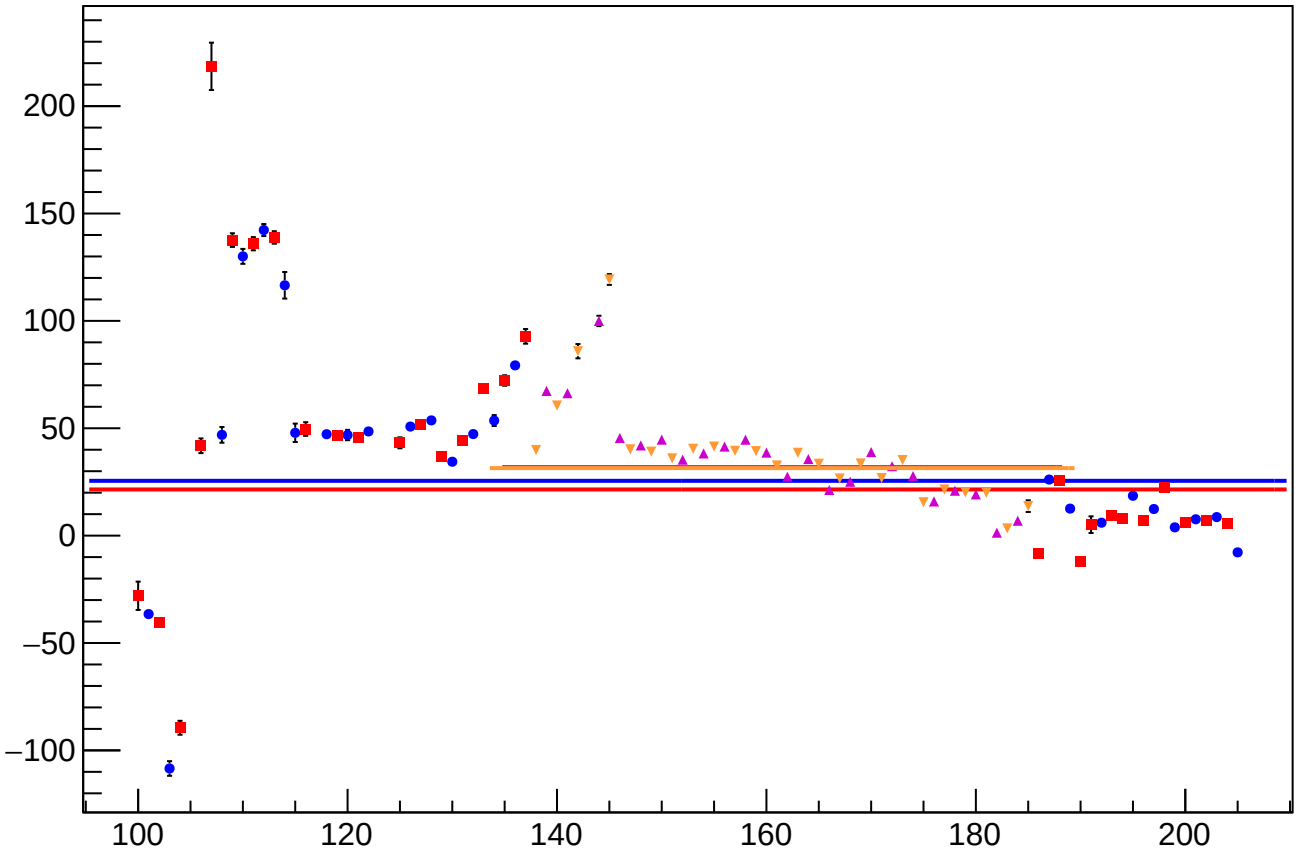
Left: 5.120+/-0.206 χ^2/NDF: 736.1/46

Right: 10.073+/-0.289 χ^2/NDF: 1309.1/53

In: 6.868+/-0.242 χ^2/NDF:1106.2/47

Out: 6.722+/-0.233 χ^2/NDF:1134.0/52

All: 6.792+/-0.168 χ^2/NDF: 2240.5/100



Right In: 25.521+/-0.389 χ^2/NDF: 9045.9/24

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 21.503+/-0.330 χ^2/NDF: 11319.1/28

Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

Left: 31.665+/-0.266 χ^2/NDF: 5530.0/46

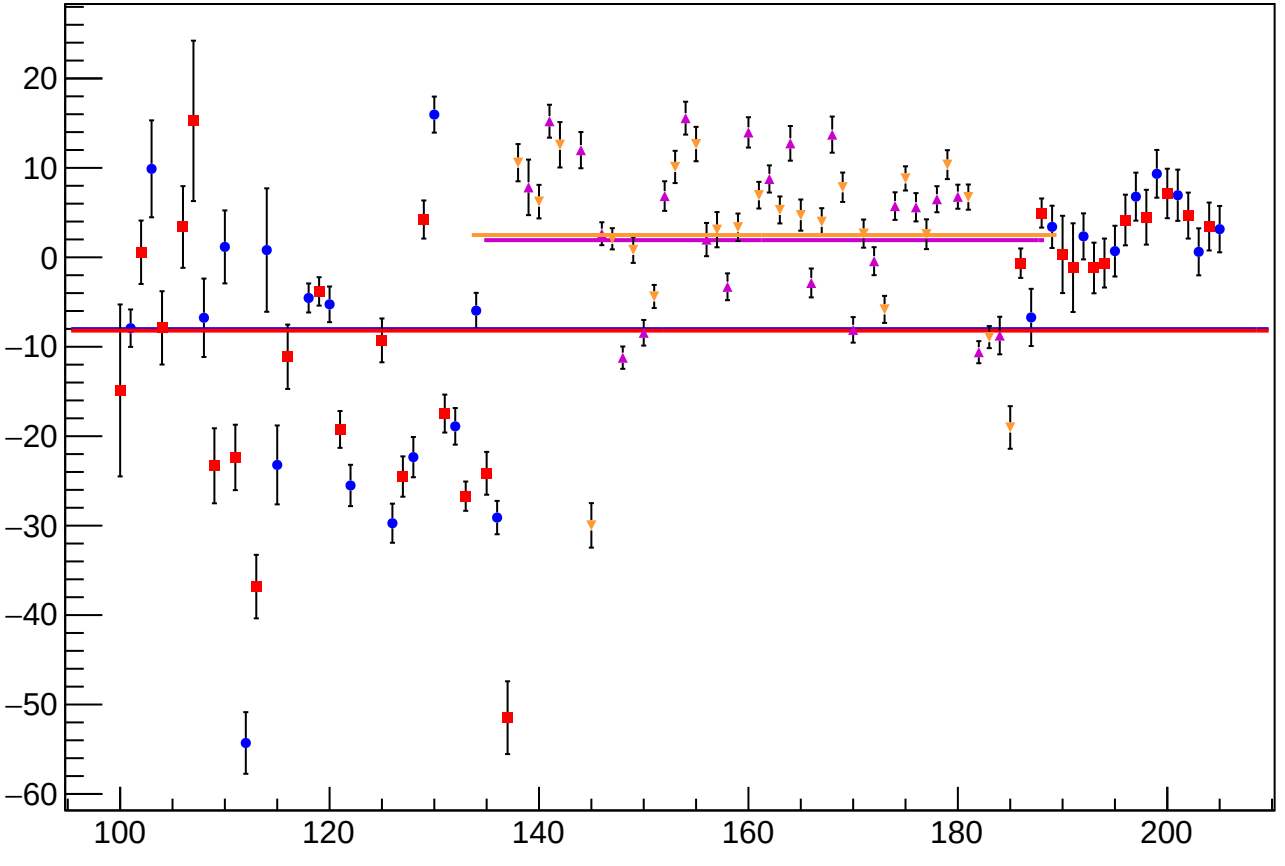
Right: 23.187+/-0.252 χ^2/NDF: 20427.0/53

In: 28.798+/-0.271 χ^2/NDF:11951.2/47

Out: 25.838+/-0.248 χ^2/NDF:14475.7/52

All: 27.187+/-0.183 χ^2/NDF: 26491.8/100

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -8.032+/-0.498 χ^2/NDF: 889.9/24

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -8.192+/-0.482 χ^2/NDF: 757.6/28

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

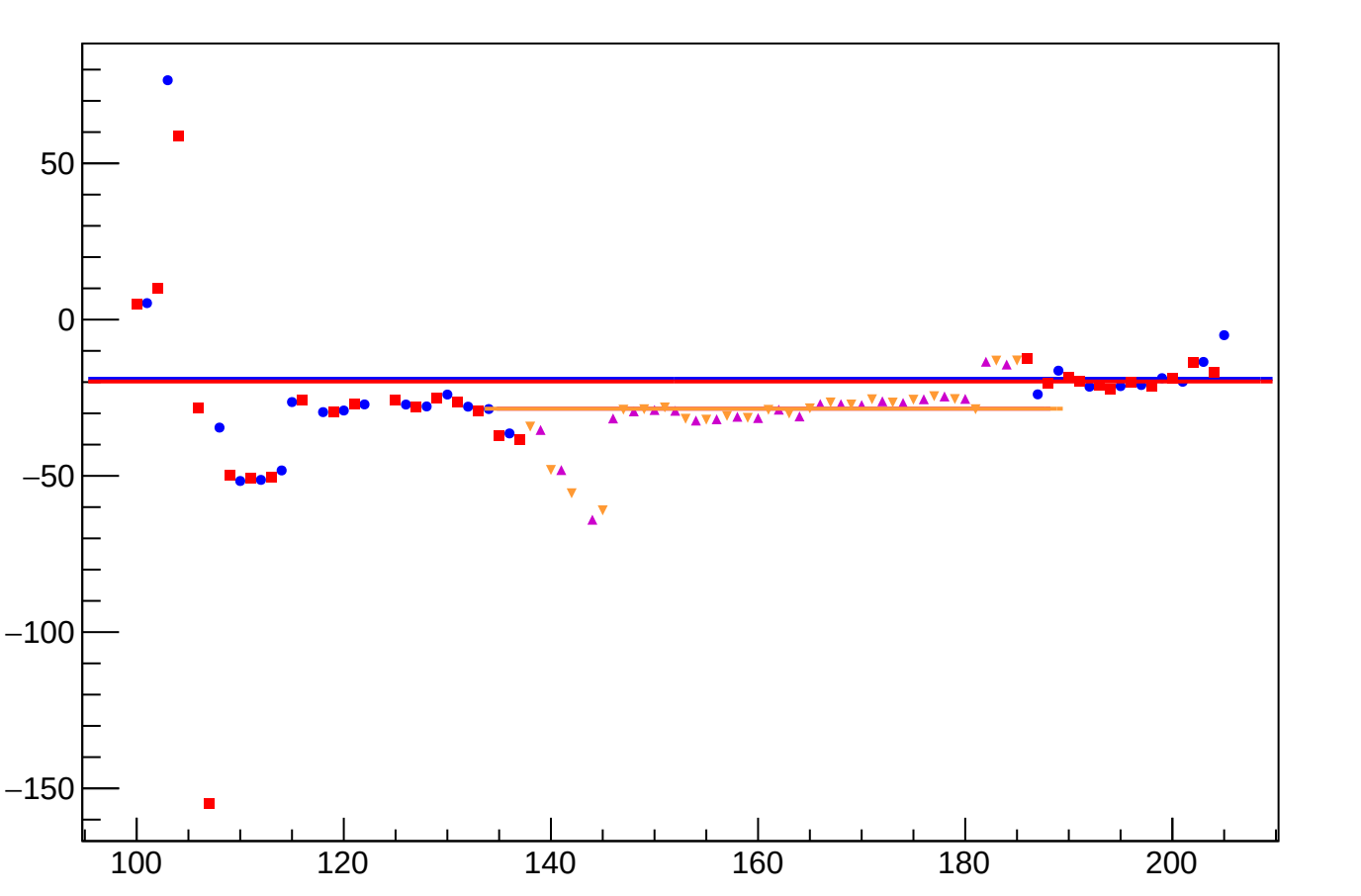
Left: 2.212+/-0.233 χ^2/NDF: 1239.1/46

Right: -8.115+/-0.347 χ^2/NDF: 1647.6/53

In: -1.138+/-0.276 χ^2/NDF:1845.1/47

Out: -0.866+/-0.271 χ^2/NDF:1652.7/52

All: -0.999+/-0.193 χ^2/NDF: 3498.2/100



Right In: -18.952+/-0.024 χ^2/NDF: 666781.3/24

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -19.804+/-0.023 χ^2/NDF: 562359.1/28

Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

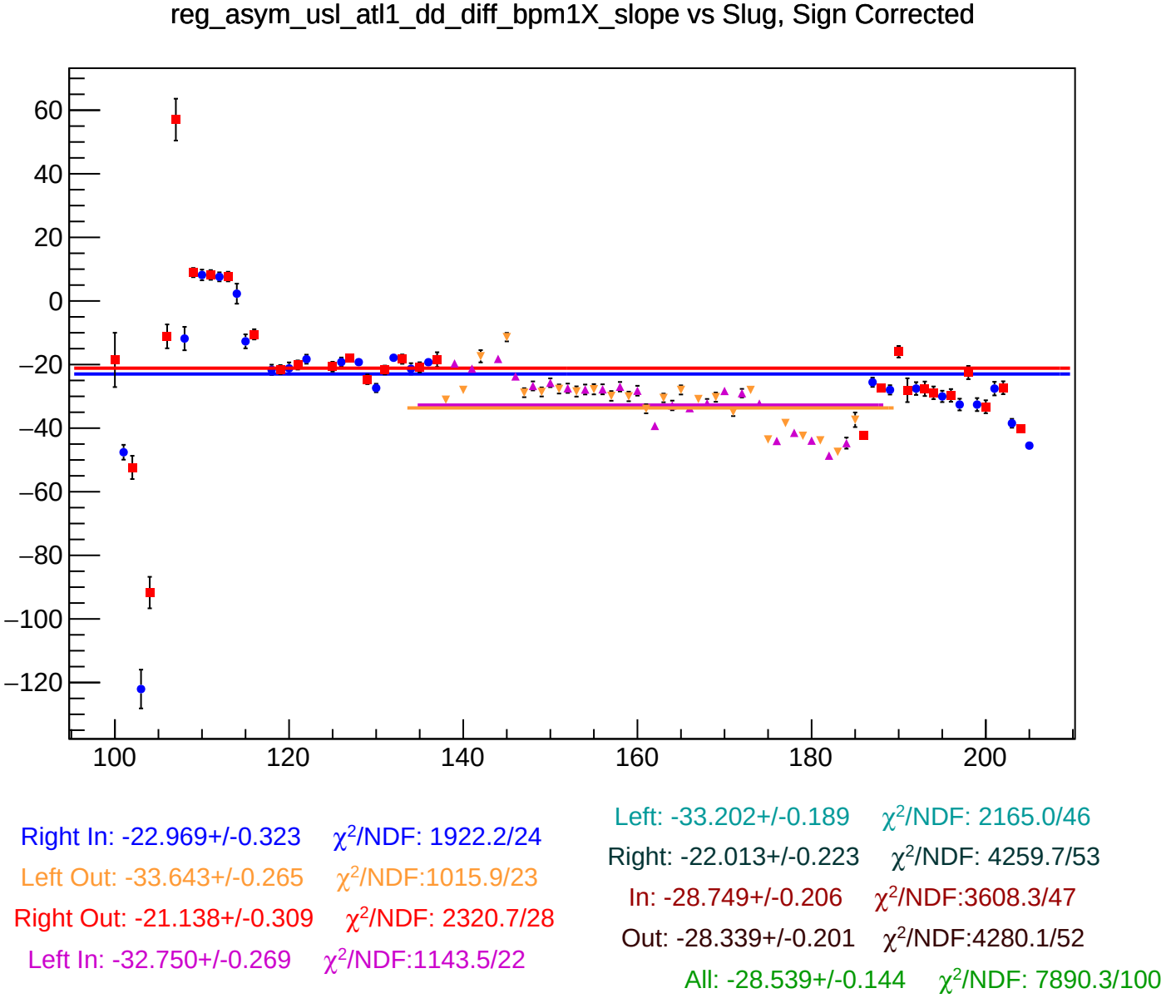
Left: -28.504+/-0.010 χ^2/NDF: 621532.4/46

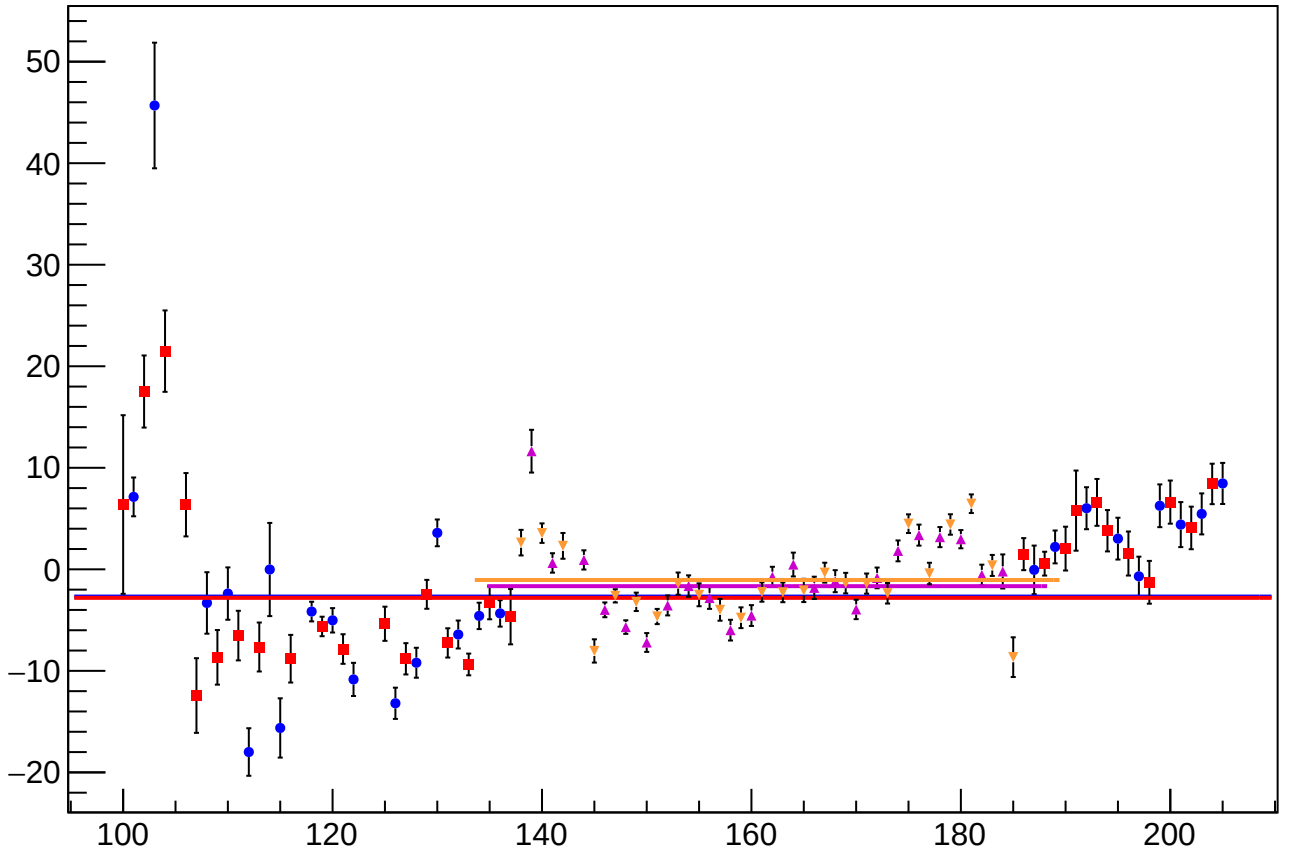
Right: -19.394+/-0.016 χ^2/NDF: 1229819.6/53

In: -25.792+/-0.013 χ^2/NDF:1072164.3/47

Out: -25.920+/-0.012 χ^2/NDF:999707.7/52

All: -25.857+/-0.009 χ^2/NDF: 2071924.9/100


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: -22.969+/-0.323 χ2/NDF: 1922.2/24
Left Out: -33.643+/-0.265 χ2/NDF:1015.9/23
Right Out: -21.138+/-0.309 χ2/NDF: 2320.7/28
Left In: -32.750+/-0.269 χ2/NDF:1143.5/22
Left: -33.202+/-0.189 χ2/NDF: 2165.0/46
Right: -22.013+/-0.223 χ2/NDF: 4259.7/53
In: -28.749+/-0.206 χ2/NDF:3608.3/47
Out: -28.339+/-0.201 χ2/NDF:4280.1/52
All: -28.539+/-0.144 χ2/NDF: 7890.3/100



Right In: -2.684+/-0.345 χ^2/NDF: 392.8/24

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.809+/-0.340 χ^2/NDF: 308.9/28

Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

Left: -1.349+/-0.145 χ^2/NDF: 558.2/46

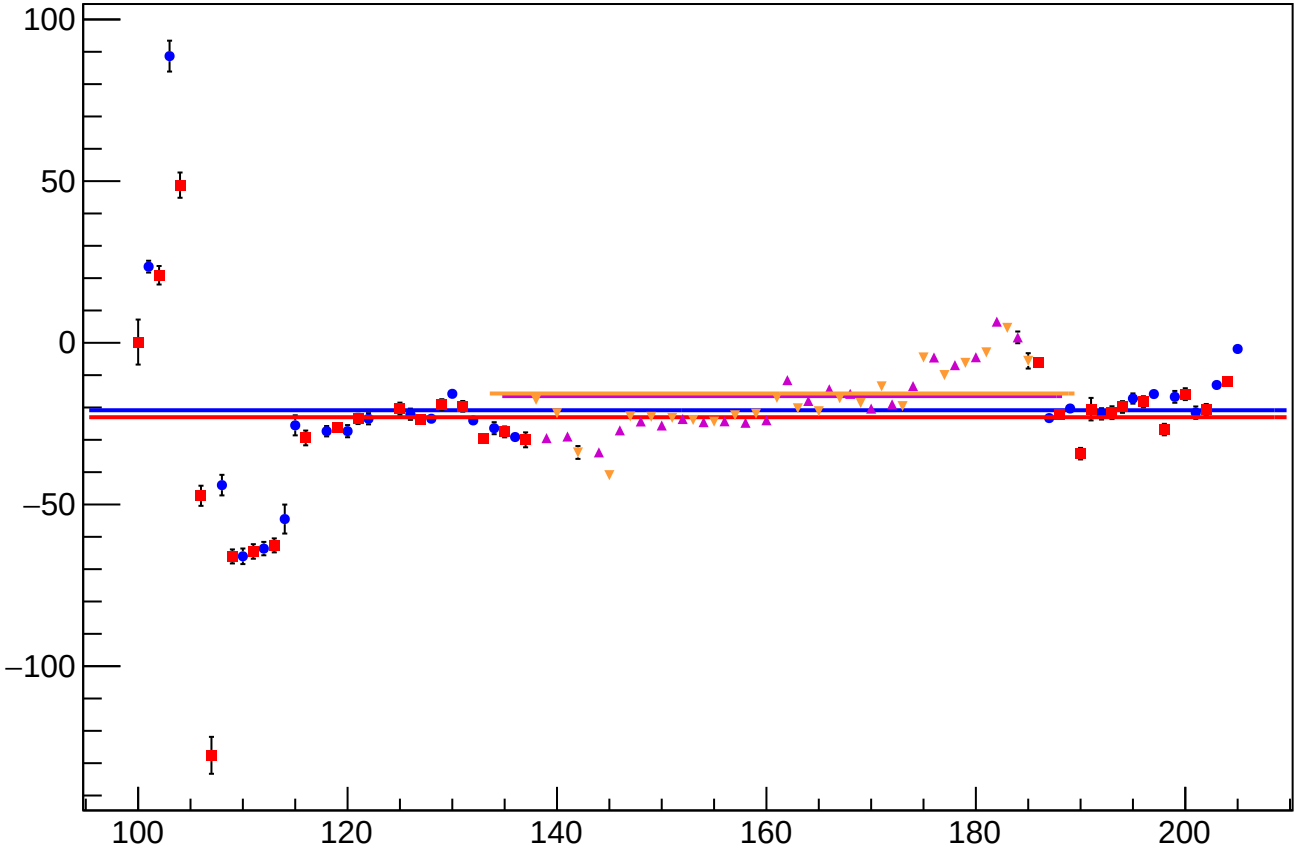
Right: -2.747+/-0.242 χ^2/NDF: 701.8/53

In: -1.930+/-0.177 χ^2/NDF:663.7/47

Out: -1.512+/-0.174 χ^2/NDF:618.1/52

All: -1.717+/-0.124 χ^2/NDF: 1284.6/100

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -20.852+/-0.333 χ^2/NDF: 2394.8/24

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -23.009+/-0.309 χ^2/NDF: 2545.4/28

Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

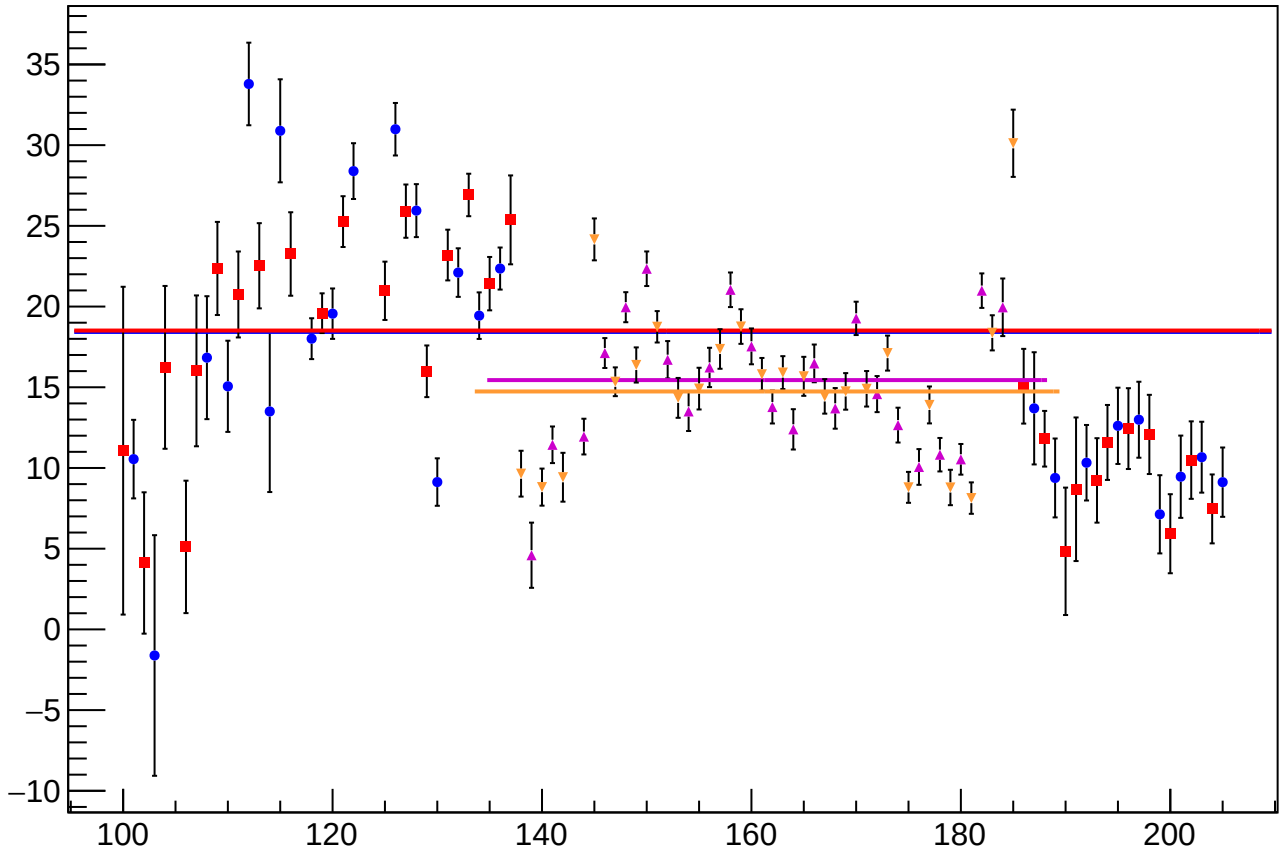
Left: -16.072+/-0.187 χ^2/NDF: 3223.1/46

Right: -22.011+/-0.227 χ^2/NDF: 4962.7/53

In: -18.179+/-0.208 χ^2/NDF:4197.6/47

Out: -18.751+/-0.200 χ^2/NDF:4392.3/52

All: -18.475+/-0.144 χ^2/NDF: 8593.8/100



Right In: 18.428+/-0.398 χ^2/NDF: 345.9/24

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.514+/-0.401 χ^2/NDF: 266.1/28

Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

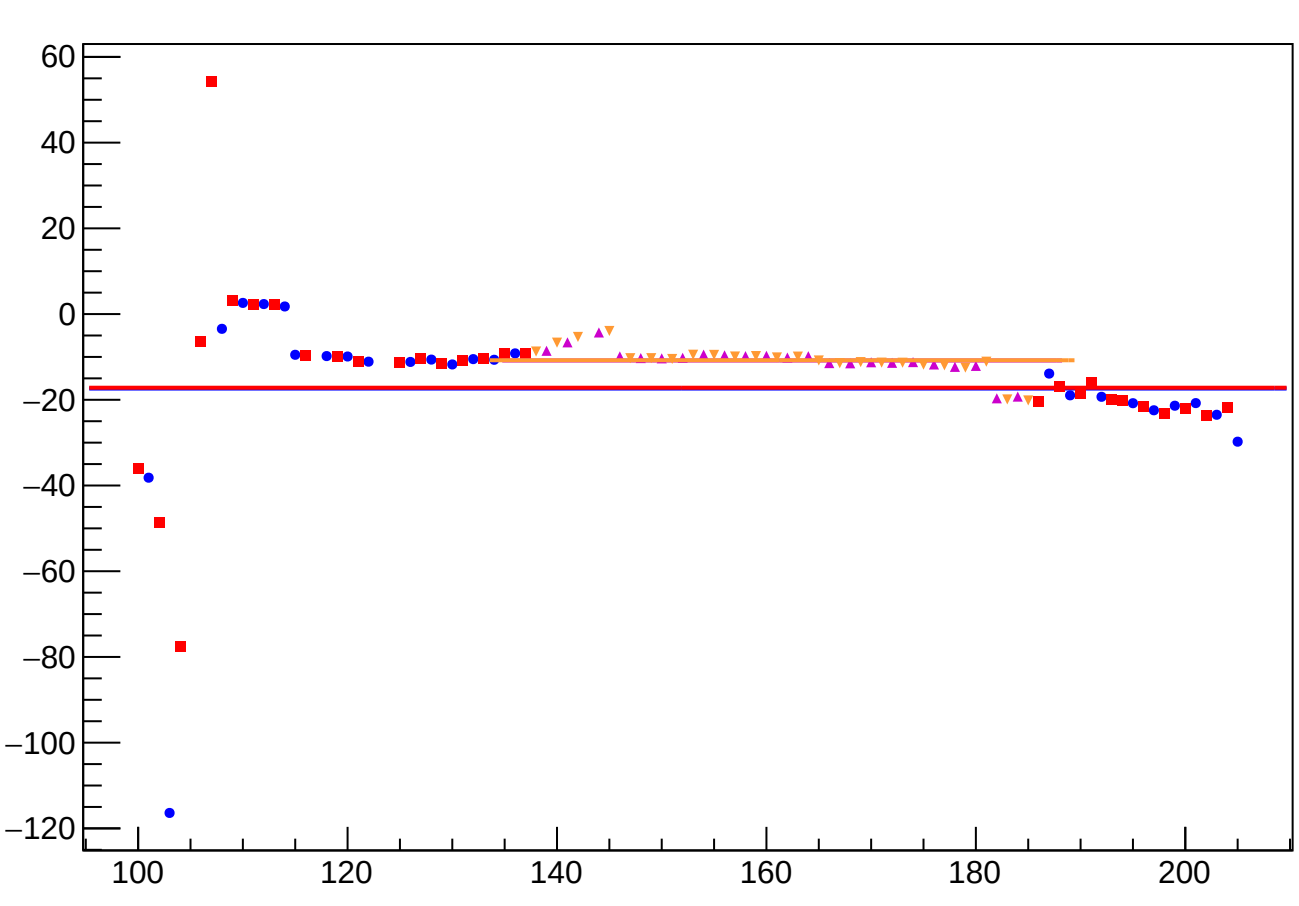
Left: 15.087+/-0.163 χ^2/NDF: 626.0/46

Right: 18.471+/-0.282 χ^2/NDF: 612.0/53

In: 16.206+/-0.201 χ^2/NDF:678.1/47

Out: 15.671+/-0.199 χ^2/NDF:663.8/52

All: 15.936+/-0.141 χ^2/NDF: 1345.5/100



Right In: -17.378+/-0.020 χ^2/NDF: 399197.0/24

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -17.184+/-0.020 χ^2/NDF: 376569.2/28

Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

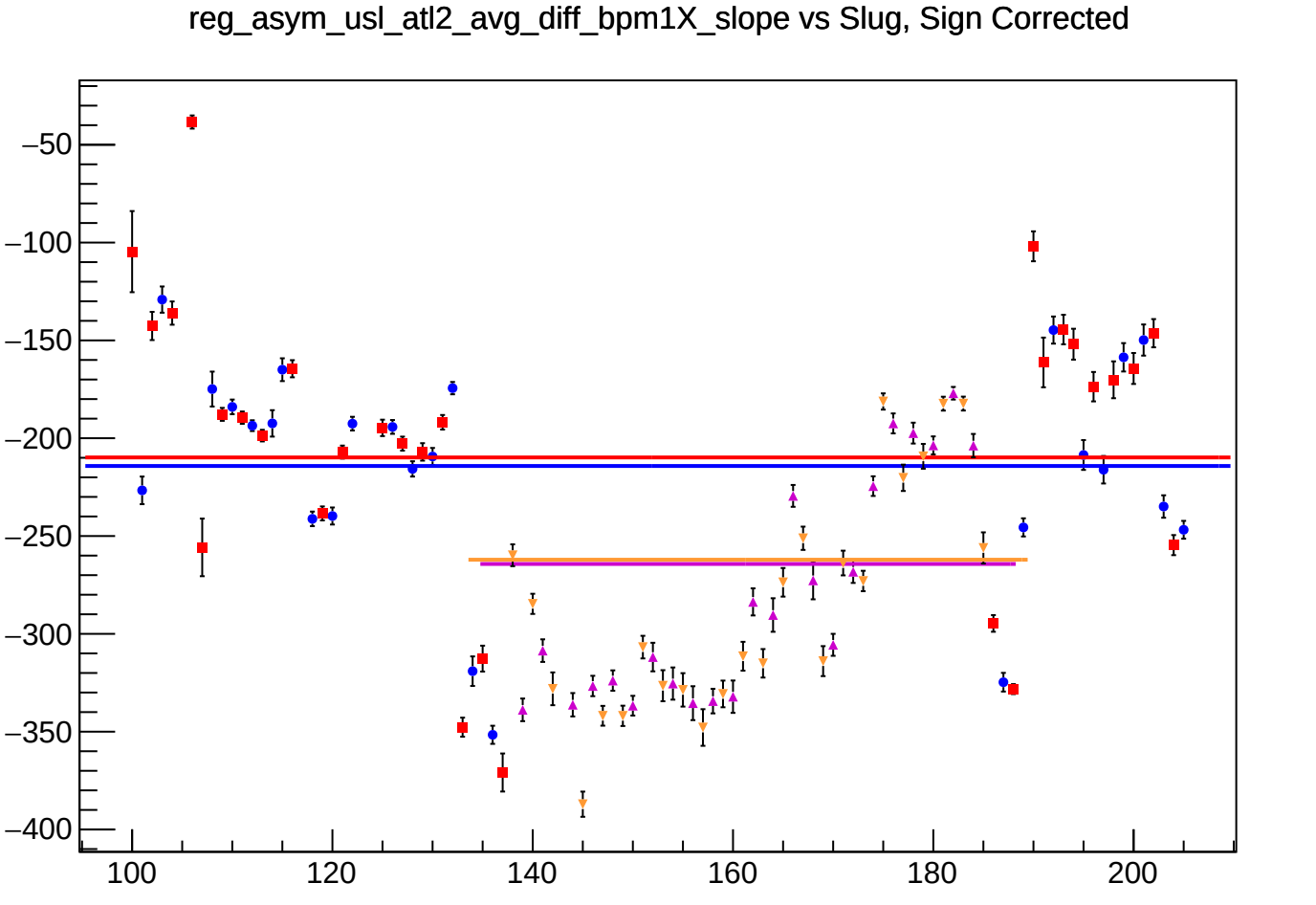
Left: -10.806+/-0.007 χ^2/NDF: 158884.9/46

Right: -17.280+/-0.014 χ^2/NDF: 775814.6/53

In: -12.228+/-0.009 χ^2/NDF:559058.5/47

Out: -12.162+/-0.009 χ^2/NDF:545164.3/52

All: -12.195+/-0.006 χ^2/NDF: 1104248.3/100



Right In: -214.197+/-0.936 χ^2/NDF: 2649.9/24

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -209.835+/-0.854 χ^2/NDF: 7620.0/28

Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

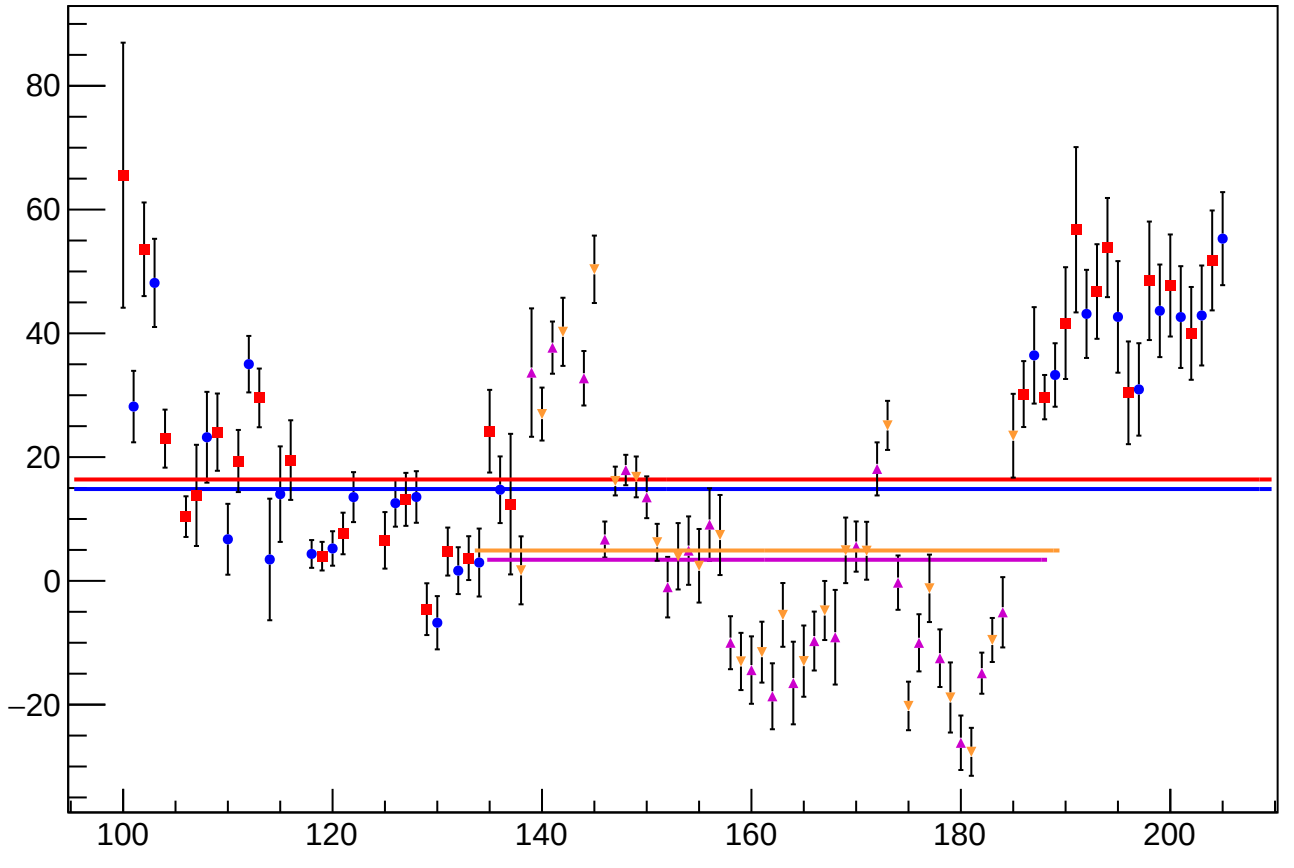
Left: -263.185+/-0.836 χ^2/NDF: 5708.1/46

Right: -211.817+/-0.631 χ^2/NDF: 10281.8/53

In: -233.426+/-0.735 χ^2/NDF:6490.6/47

Out: -227.829+/-0.692 χ^2/NDF:11873.0/52

All: -230.460+/-0.504 χ^2/NDF: 18394.4/100



Right In: 14.839+/-0.975 χ^2/NDF: 245.6/24

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 16.386+/-0.930 χ^2/NDF: 266.6/28

Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

Left: 4.171+/-0.632 χ^2/NDF: 733.7/46

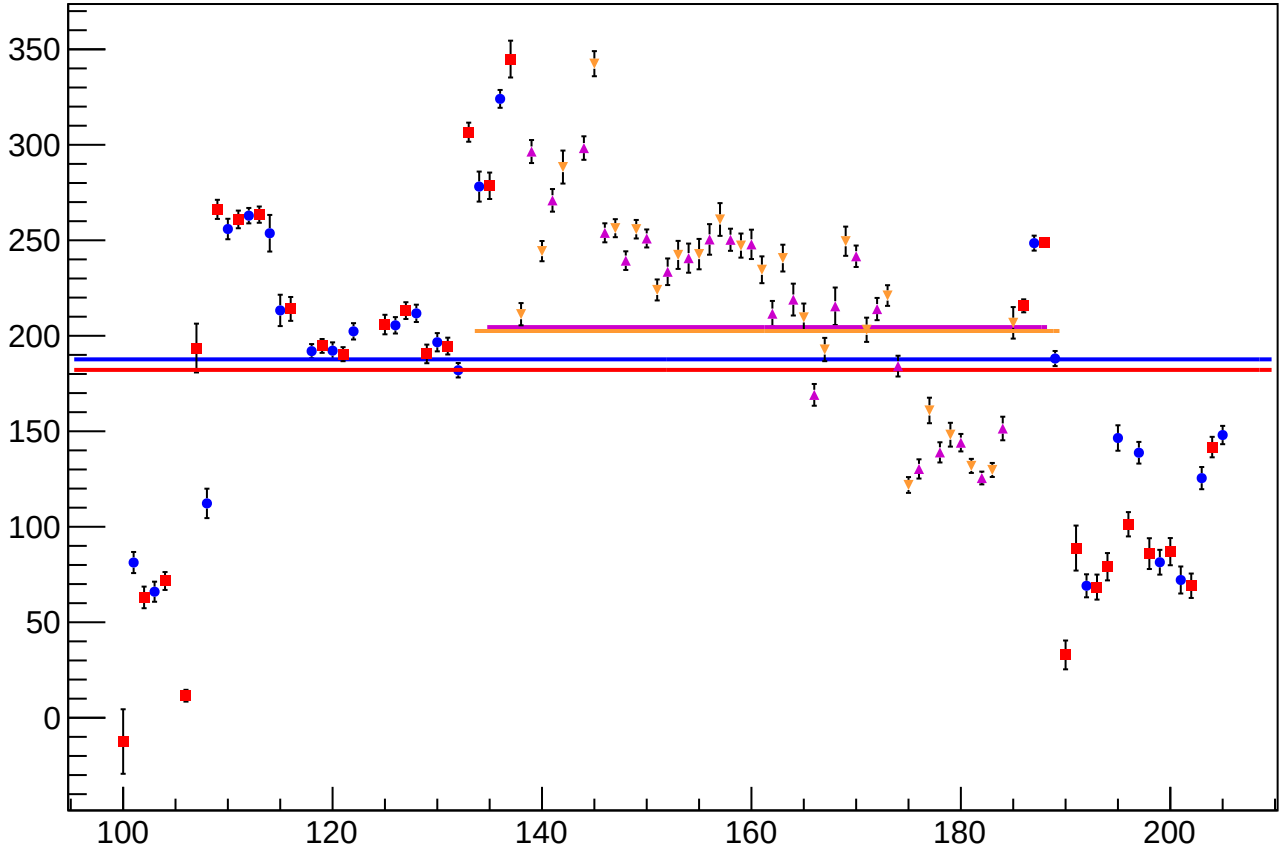
Right: 15.649+/-0.673 χ^2/NDF: 513.5/53

In: 8.670+/-0.662 χ^2/NDF:653.0/47

Out: 10.369+/-0.642 χ^2/NDF:745.4/52

All: 9.545+/-0.461 χ^2/NDF: 1401.7/100

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 187.663+/-1.004 χ^2/NDF: 4076.0/24

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 182.139+/-0.886 χ^2/NDF: 9302.6/28

Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

Left: 203.532+/-0.831 χ^2/NDF: 4680.7/46

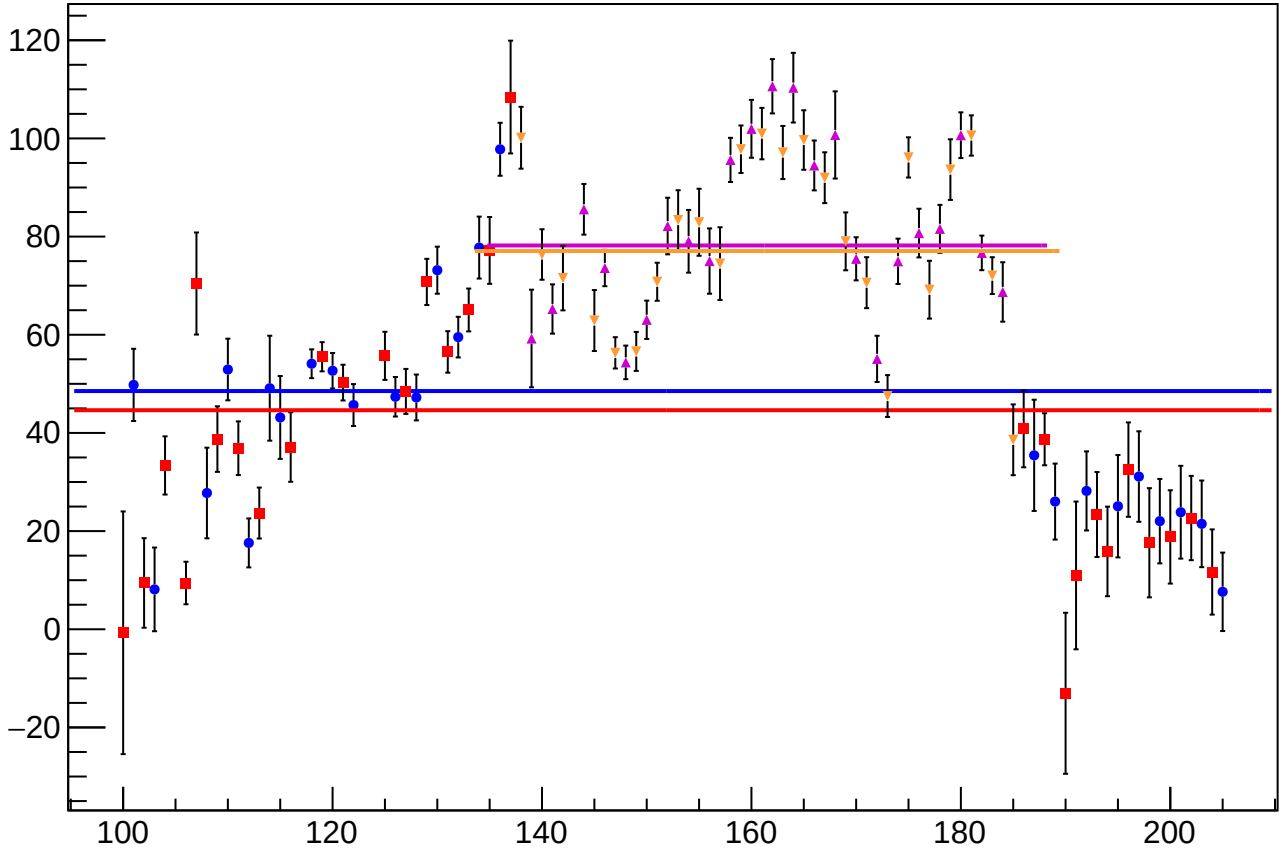
Right: 184.559+/-0.664 χ^2/NDF: 13395.7/53

In: 194.776+/-0.764 χ^2/NDF:6481.0/47

Out: 189.544+/-0.707 χ^2/NDF:11888.2/52

All: 191.959+/-0.519 χ^2/NDF: 18394.5/100

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 48.531+/-1.145 χ^2/NDF: 287.4/24

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 44.626+/-1.104 χ^2/NDF: 320.8/28

Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

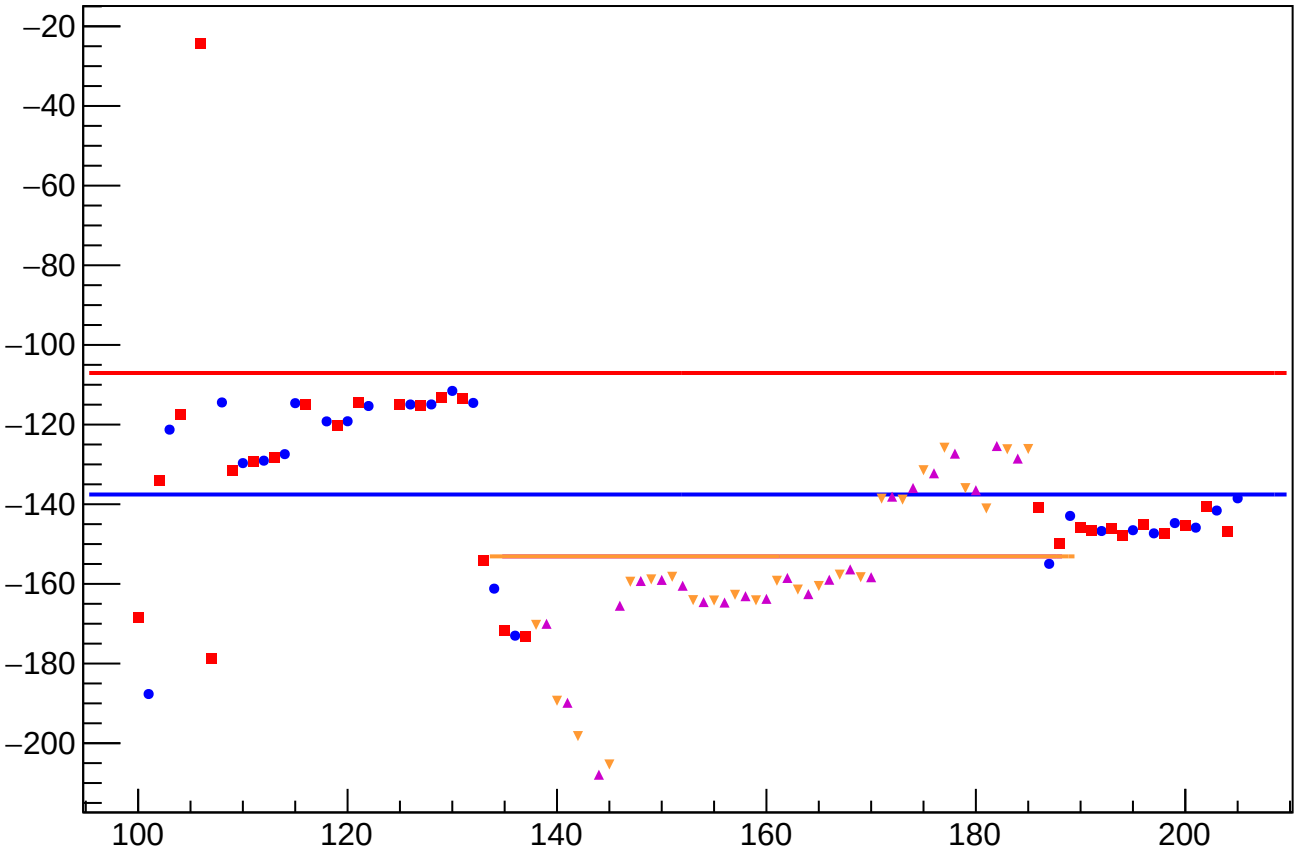
Left: 77.619+/-0.721 χ^2/NDF: 544.4/46

Right: 46.507+/-0.795 χ^2/NDF: 614.3/53

In: 64.986+/-0.764 χ^2/NDF:892.2/47

Out: 62.200+/-0.747 χ^2/NDF:1099.8/52

All: 63.563+/-0.534 χ^2/NDF: 1998.8/100



Right In: -137.555+/-0.064 χ^2/NDF: 102975.2/24

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -107.046+/-0.053 χ^2/NDF: 977833.7/28

Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

Left: -153.097+/-0.033 χ^2/NDF: 344196.2/46

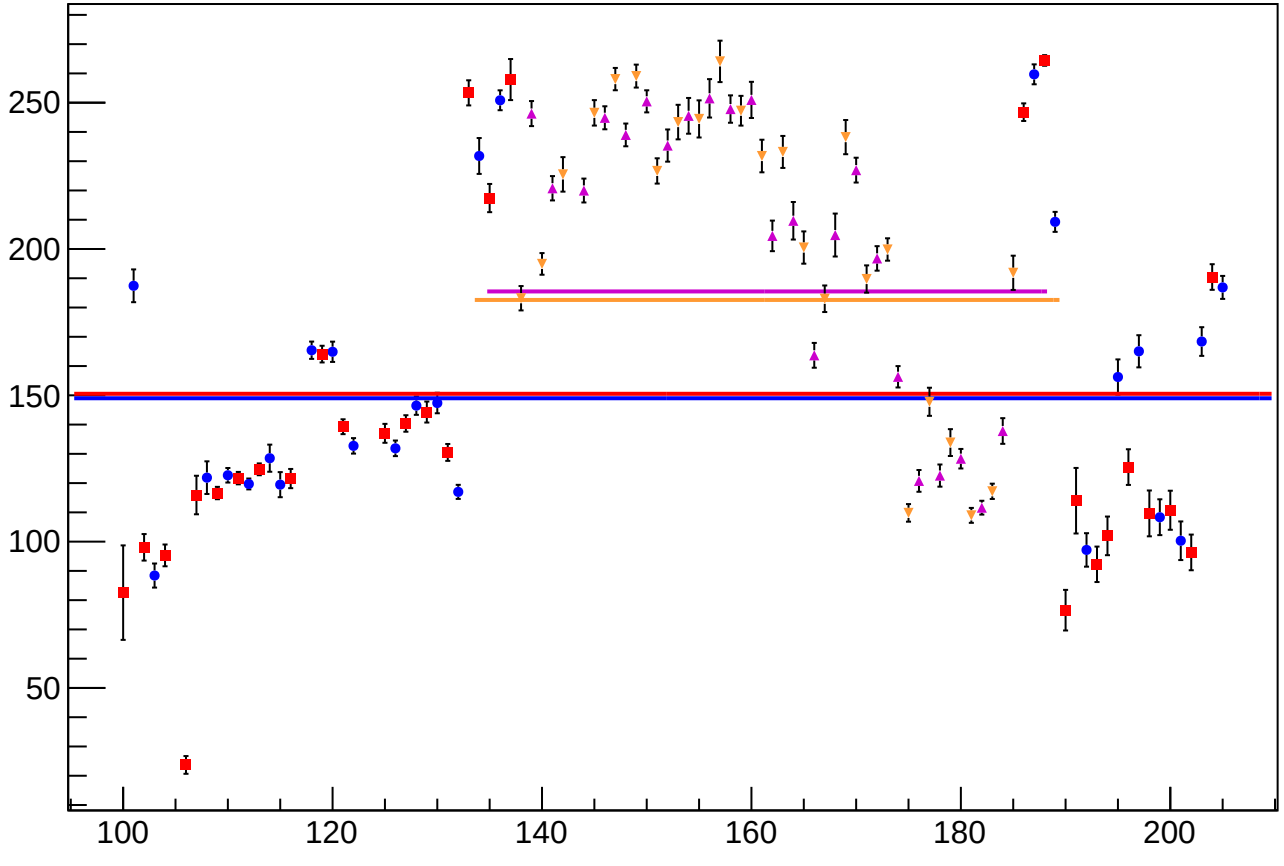
Right: -119.524+/-0.041 χ^2/NDF: 1216207.6/53

In: -147.682+/-0.038 χ^2/NDF:308376.0/47

Out: -132.871+/-0.035 χ^2/NDF:1578301.0/52

All: -139.769+/-0.026 χ^2/NDF: 1969419.2/10

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 148.993+/-0.699 χ^2/NDF: 3769.2/24

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.521+/-0.633 χ^2/NDF: 9453.9/28

Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

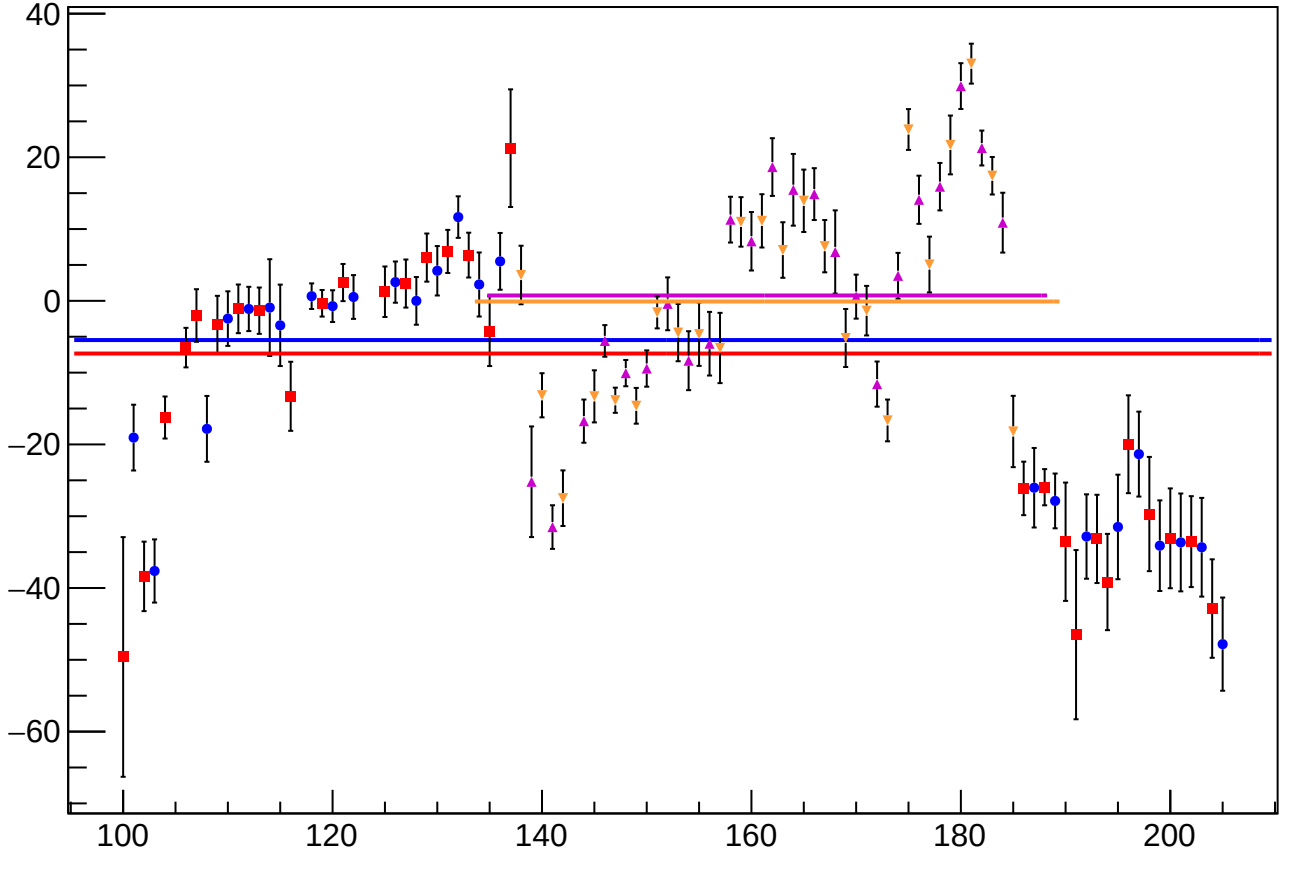
Left: 184.033+/-0.615 χ^2/NDF: 7980.1/46

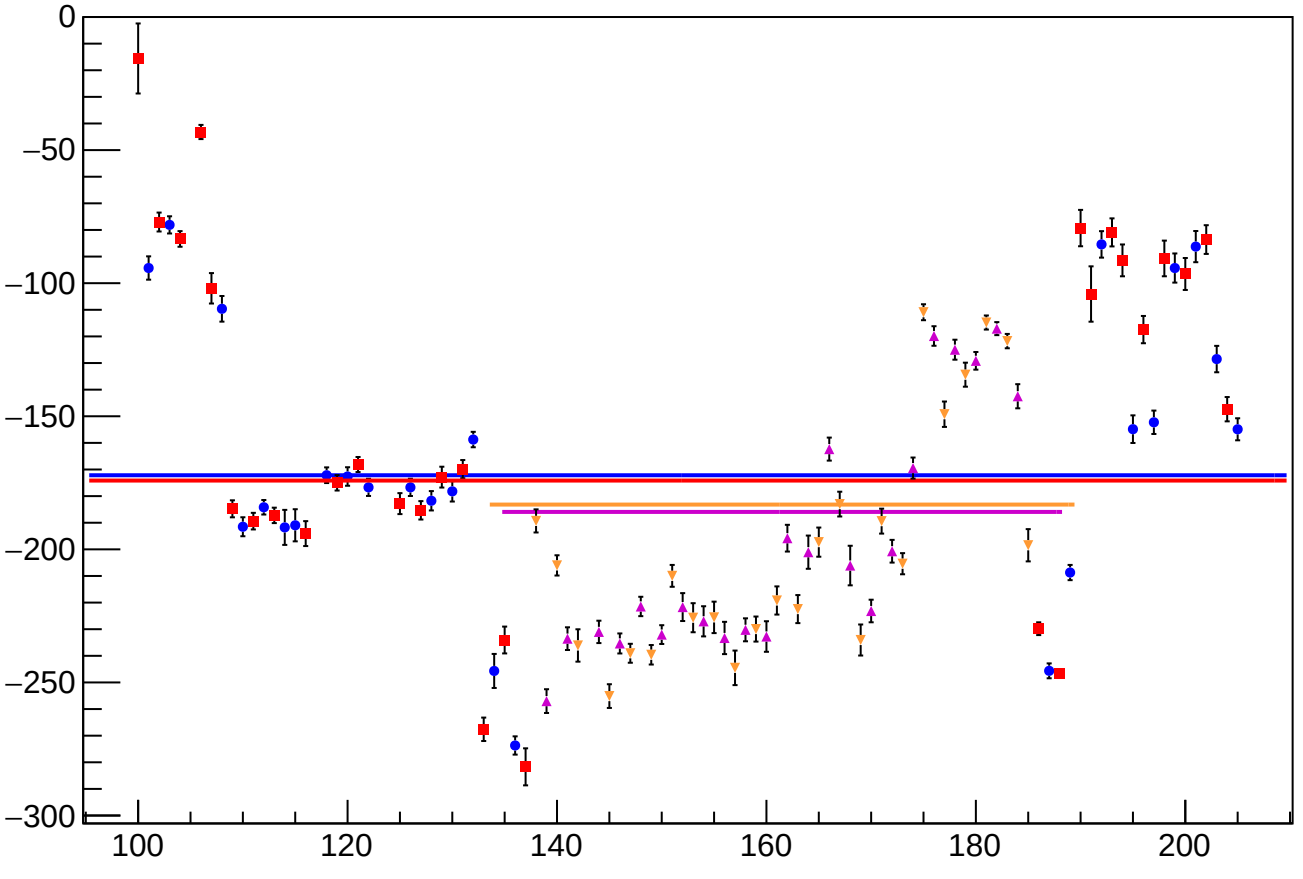
Right: 149.833+/-0.469 χ^2/NDF: 13225.8/53

In: 163.277+/-0.546 χ^2/NDF:8657.1/47

Out: 161.694+/-0.511 χ^2/NDF:14500.0/52

All: 162.433+/-0.373 χ^2/NDF: 23161.7/100


reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: -5.463+/-0.745 χ²/NDF: 344.9/24
Left Out: -0.092+/-0.655 χ²/NDF:555.3/23
Right Out: -7.340+/-0.701 χ²/NDF: 392.3/28
Left In: 0.747+/-0.665 χ²/NDF:497.8/22
Left: 0.320+/-0.467 χ²/NDF: 1053.9/46
Right: -6.459+/-0.511 χ²/NDF: 740.5/53
In: -2.007+/-0.496 χ²/NDF:881.3/47
Out: -3.467+/-0.479 χ²/NDF:1004.6/52
All: -2.763+/-0.345 χ²/NDF: 1890.5/100



Right In: -172.160+/-0.754 χ^2/NDF: 4144.0/24

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.152+/-0.659 χ^2/NDF: 9862.6/28

Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

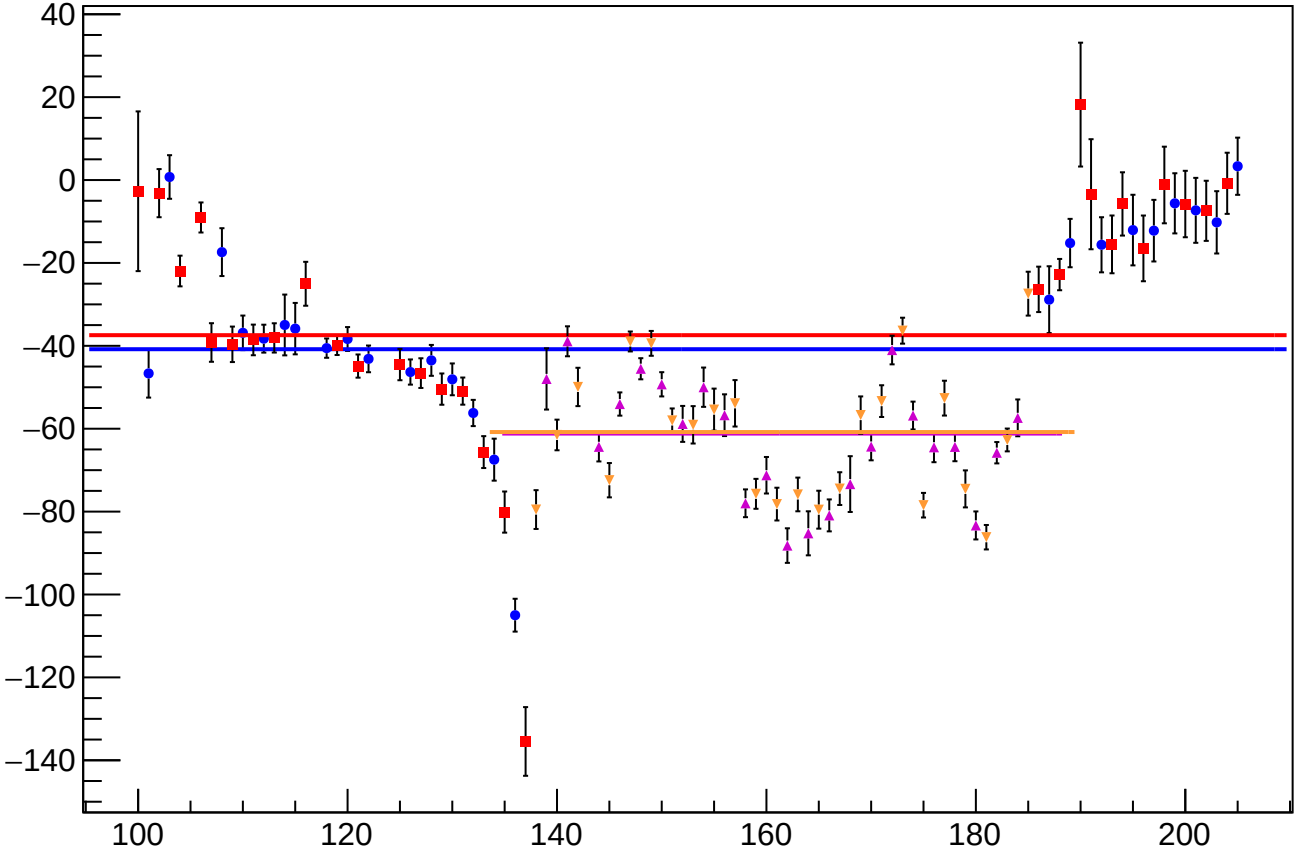
Left: -184.548+/-0.611 χ^2/NDF: 6547.8/46

Right: -173.290+/-0.496 χ^2/NDF: 14010.5/53

In: -178.096+/-0.569 χ^2/NDF:7469.2/47

Out: -177.478+/-0.523 χ^2/NDF:13292.9/52

All: -177.761+/-0.385 χ^2/NDF: 20762.7/100



Right In: -40.818+/-0.873 χ^2/NDF: 566.3/24

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -37.431+/-0.833 χ^2/NDF: 584.0/28

Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

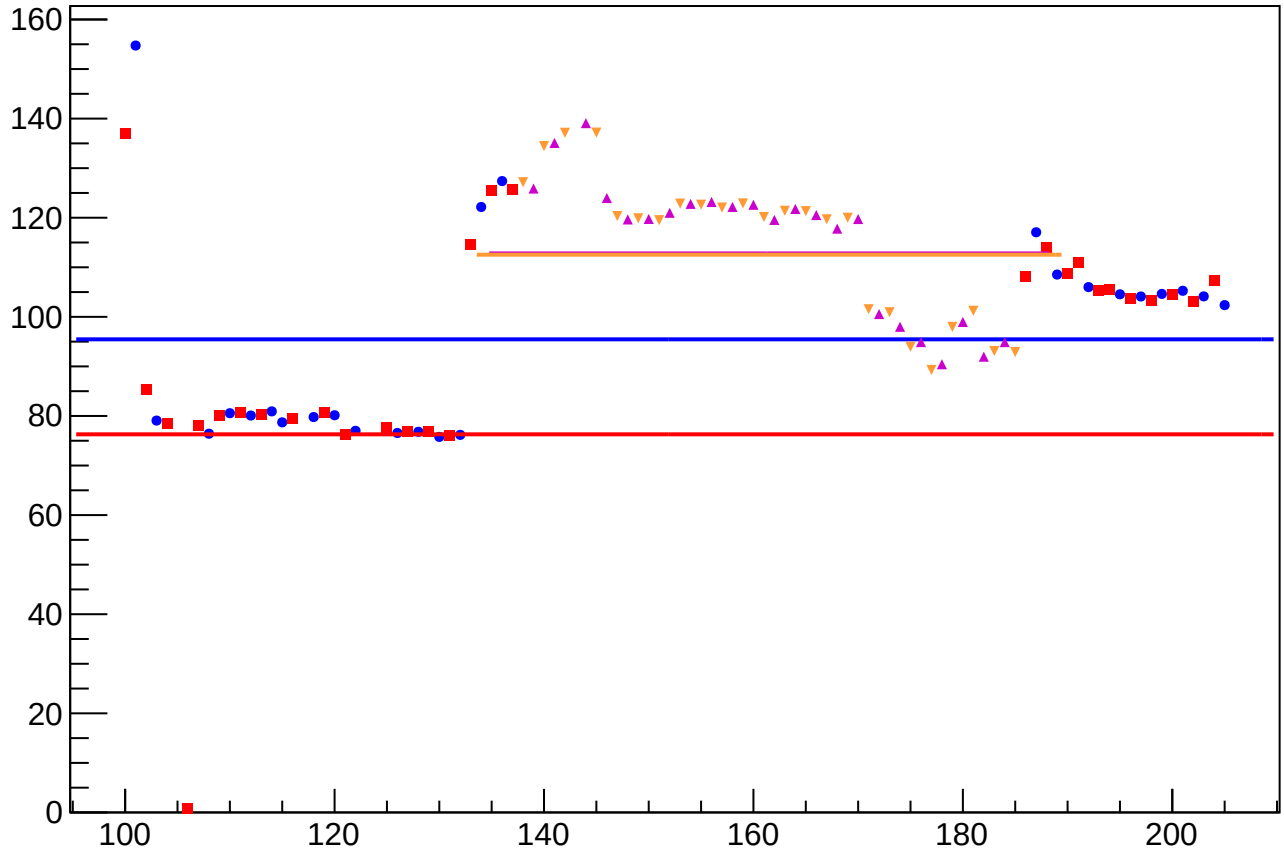
Left: -60.984+/-0.532 χ^2/NDF: 791.1/46

Right: -39.044+/-0.603 χ^2/NDF: 1158.1/53

In: -52.443+/-0.572 χ^2/NDF:1193.4/47

Out: -50.354+/-0.557 χ^2/NDF:1493.3/52

All: -51.371+/-0.399 χ^2/NDF: 2693.5/100



Right In: 95.463+/-0.048 χ^2/NDF: 182627.2/24

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 76.296+/-0.042 χ^2/NDF: 877080.5/28

Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

Left: 112.667+/-0.024 χ^2/NDF: 346202.6/46

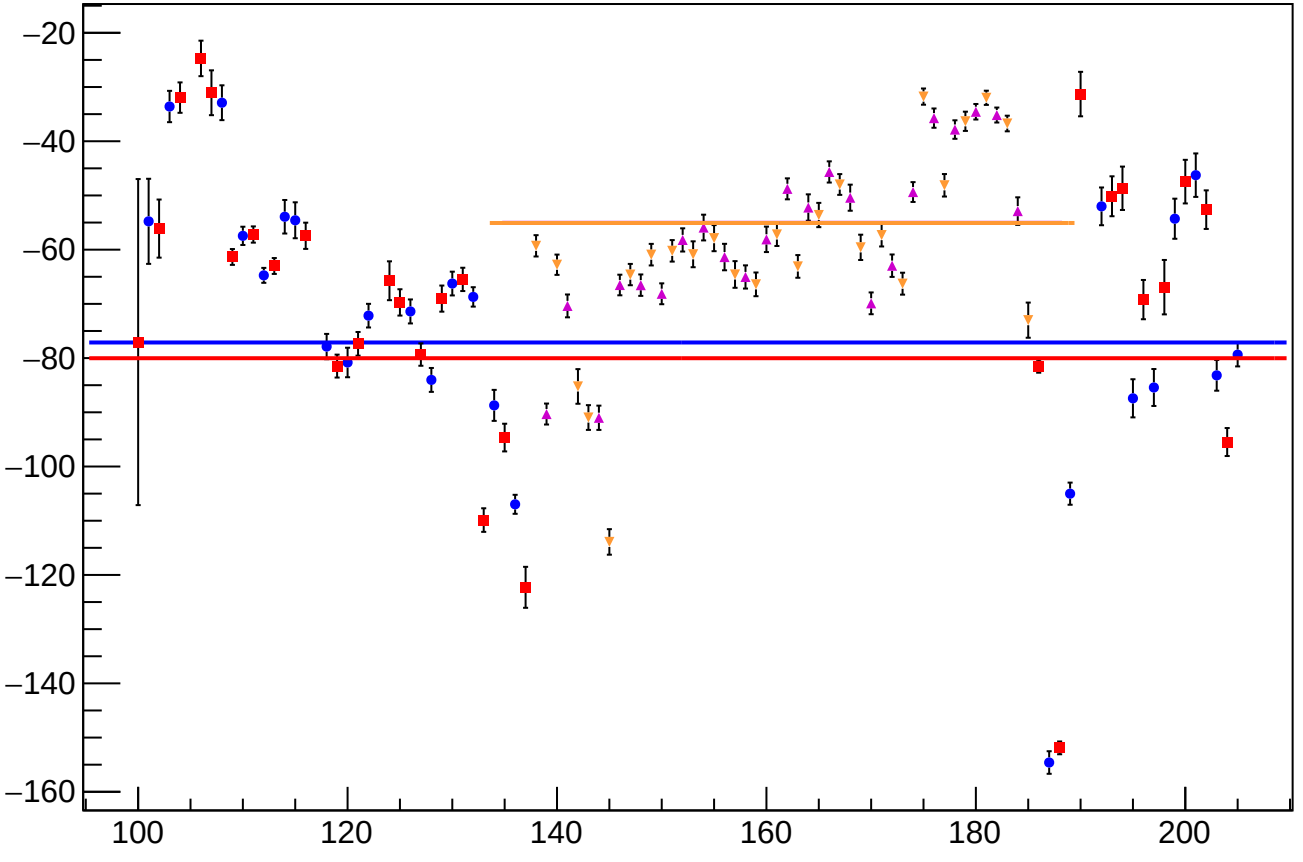
Right: 84.472+/-0.031 χ^2/NDF: 1150290.6/53

In: 106.942+/-0.028 χ^2/NDF:439843.8/47

Out: 97.724+/-0.027 χ^2/NDF:1500540.5/52

All: 102.092+/-0.019 χ^2/NDF: 1997323.8/100

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -77.122+/-0.476 χ^2/NDF: 2862.4/24

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -80.023+/-0.421 χ^2/NDF: 5963.1/28

Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

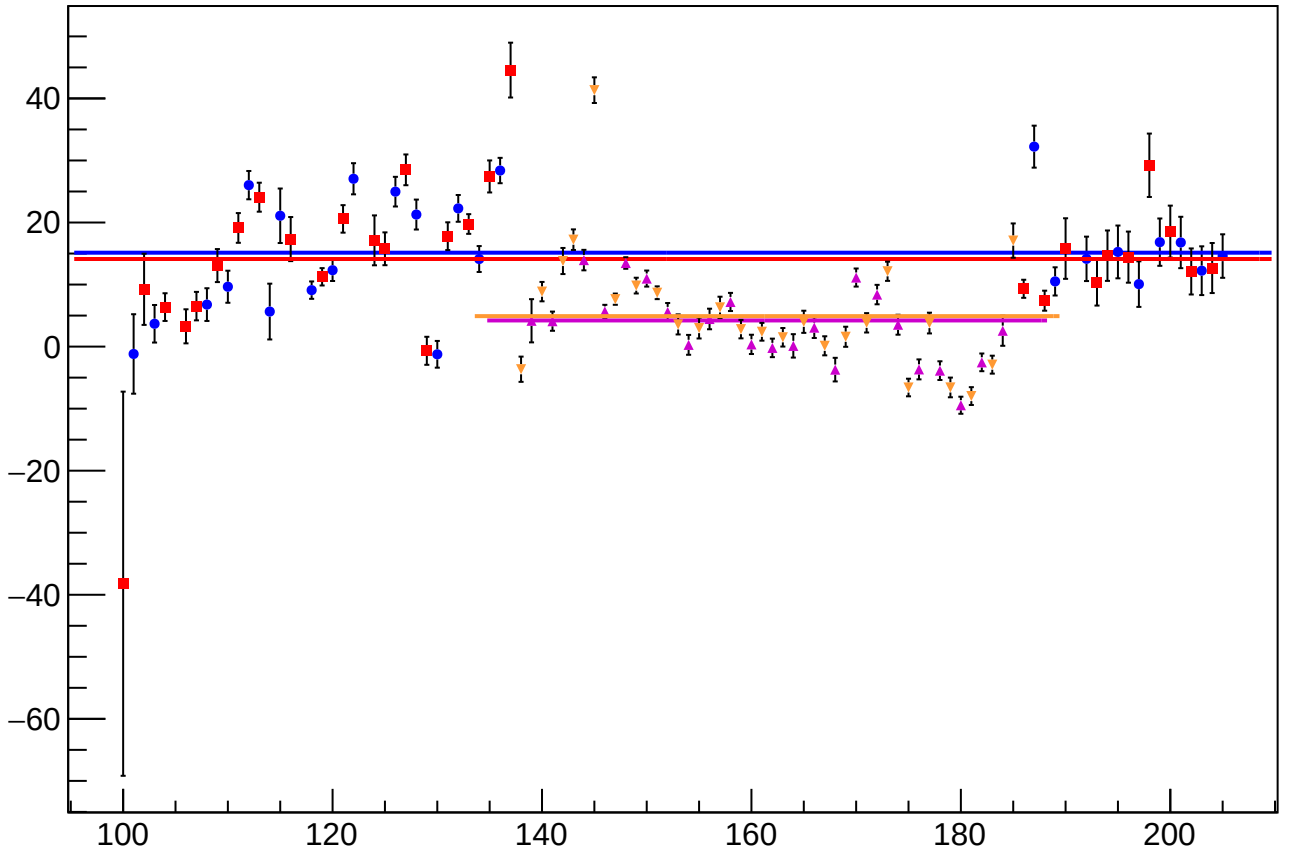
Left: -55.064+/-0.287 χ^2/NDF: 3544.6/47

Right: -78.750+/-0.315 χ^2/NDF: 8846.3/53

In: -64.456+/-0.311 χ^2/NDF:5636.4/47

Out: -66.926+/-0.290 χ^2/NDF:9808.2/53

All: -65.776+/-0.212 χ^2/NDF: 15478.4/101



Right In: 15.136+/-0.518 χ^2/NDF: 275.0/24

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.121+/-0.470 χ^2/NDF: 284.9/28

Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

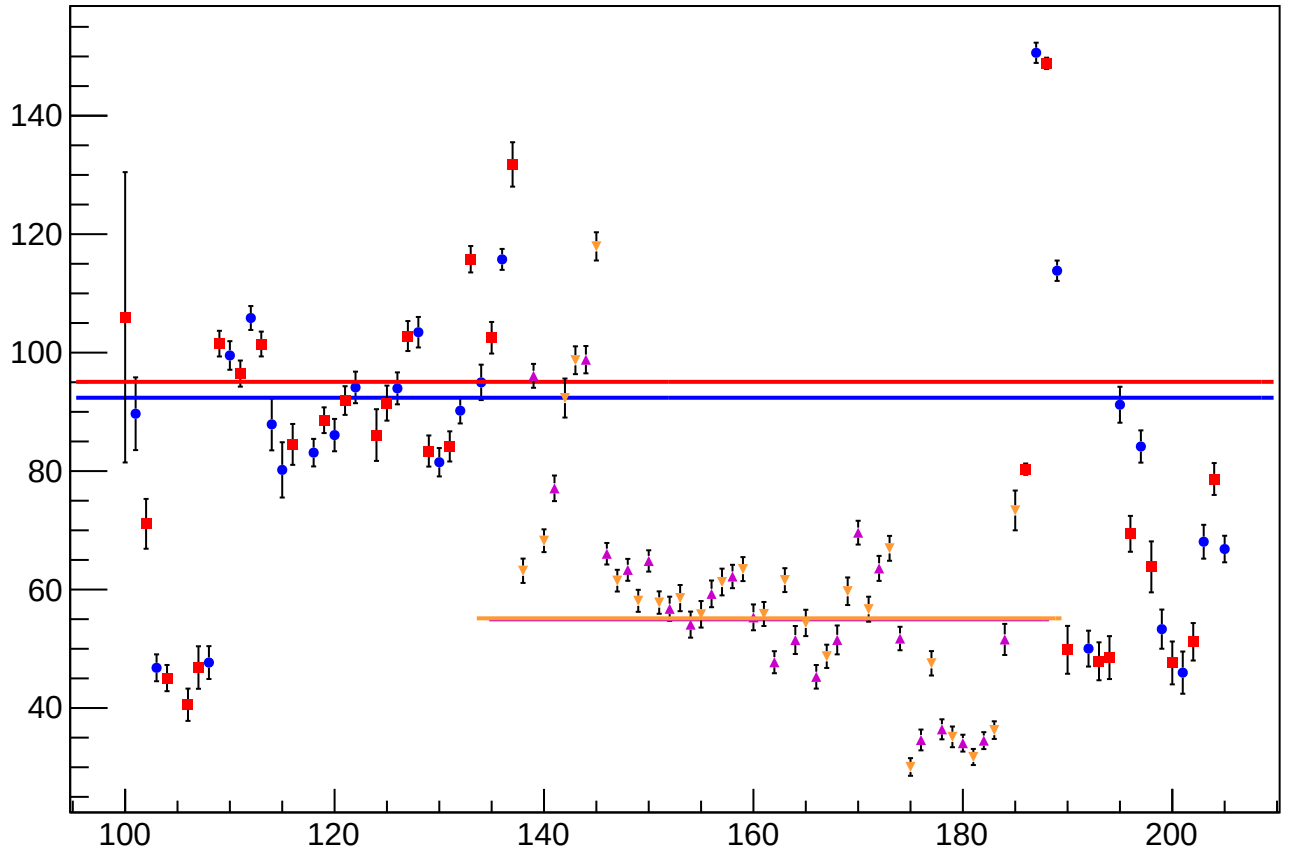
Left: 4.575+/-0.217 χ^2/NDF: 1159.1/47

Right: 14.579+/-0.348 χ^2/NDF: 562.1/53

In: 7.126+/-0.267 χ^2/NDF:1015.9/47

Out: 7.594+/-0.254 χ^2/NDF:1298.6/53

All: 7.372+/-0.184 χ^2/NDF: 2316.2/101



Right In: 92.384+/-0.502 χ^2/NDF: 2994.5/24

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 95.069+/-0.424 χ^2/NDF: 5895.3/28

Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

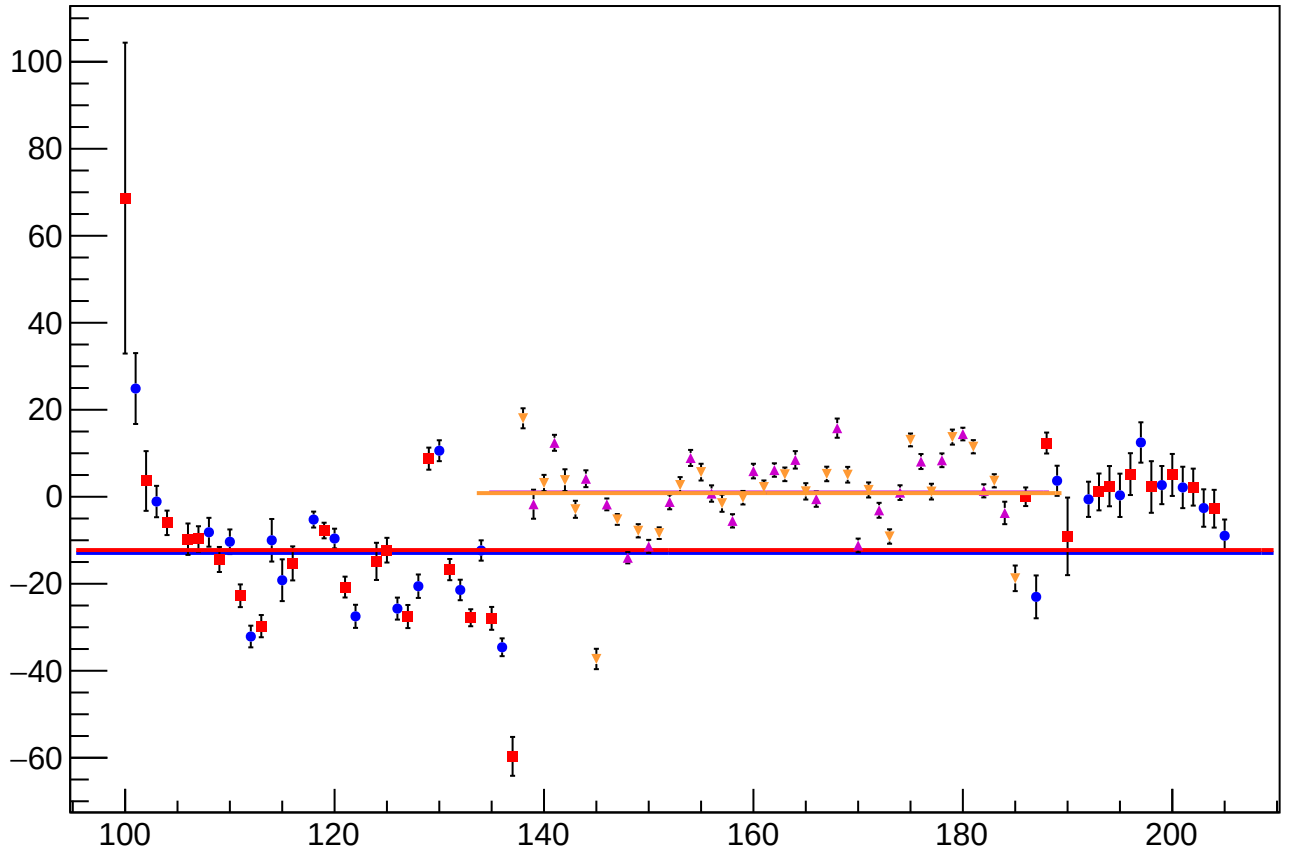
Left: 55.059+/-0.284 χ^2/NDF: 4023.0/47

Right: 93.952+/-0.324 χ^2/NDF: 8906.4/53

In: 69.731+/-0.316 χ^2/NDF:8131.5/47

Out: 73.795+/-0.290 χ^2/NDF:12865.1/53

All: 71.936+/-0.213 χ^2/NDF: 21086.6/101



Right In: -12.908+/-0.603 χ^2/NDF: 504.1/24

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -12.255+/-0.564 χ^2/NDF: 622.8/28

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

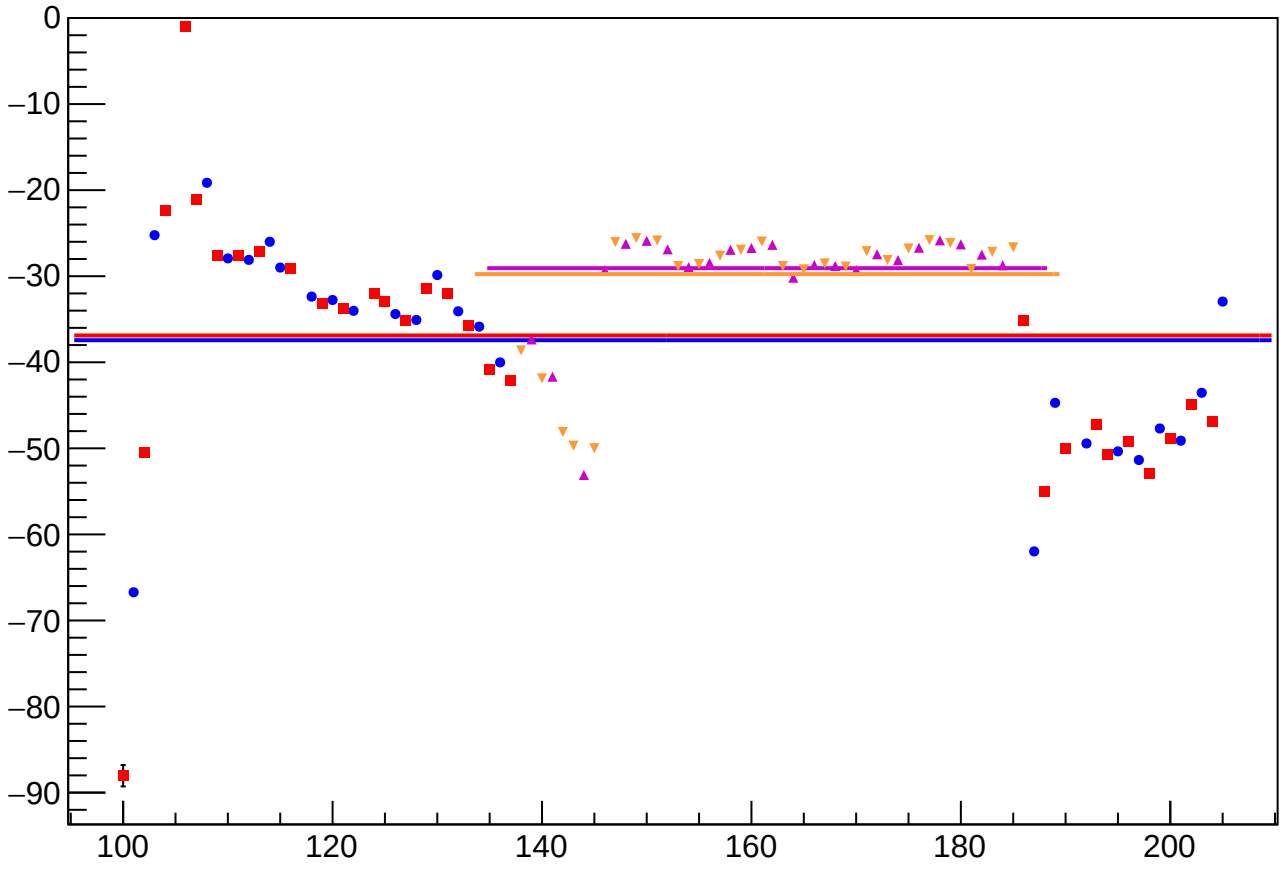
Left: 0.908+/-0.246 χ^2/NDF: 1275.8/47

Right: -12.560+/-0.412 χ^2/NDF: 1127.5/53

In: -2.572+/-0.305 χ^2/NDF:1457.8/47

Out: -2.693+/-0.293 χ^2/NDF:1733.5/53

All: -2.635+/-0.211 χ^2/NDF: 3191.4/101



Right In: -37.435+/-0.031 χ^2/NDF: 111725.4/24

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.884+/-0.030 χ^2/NDF: 205340.1/28

Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

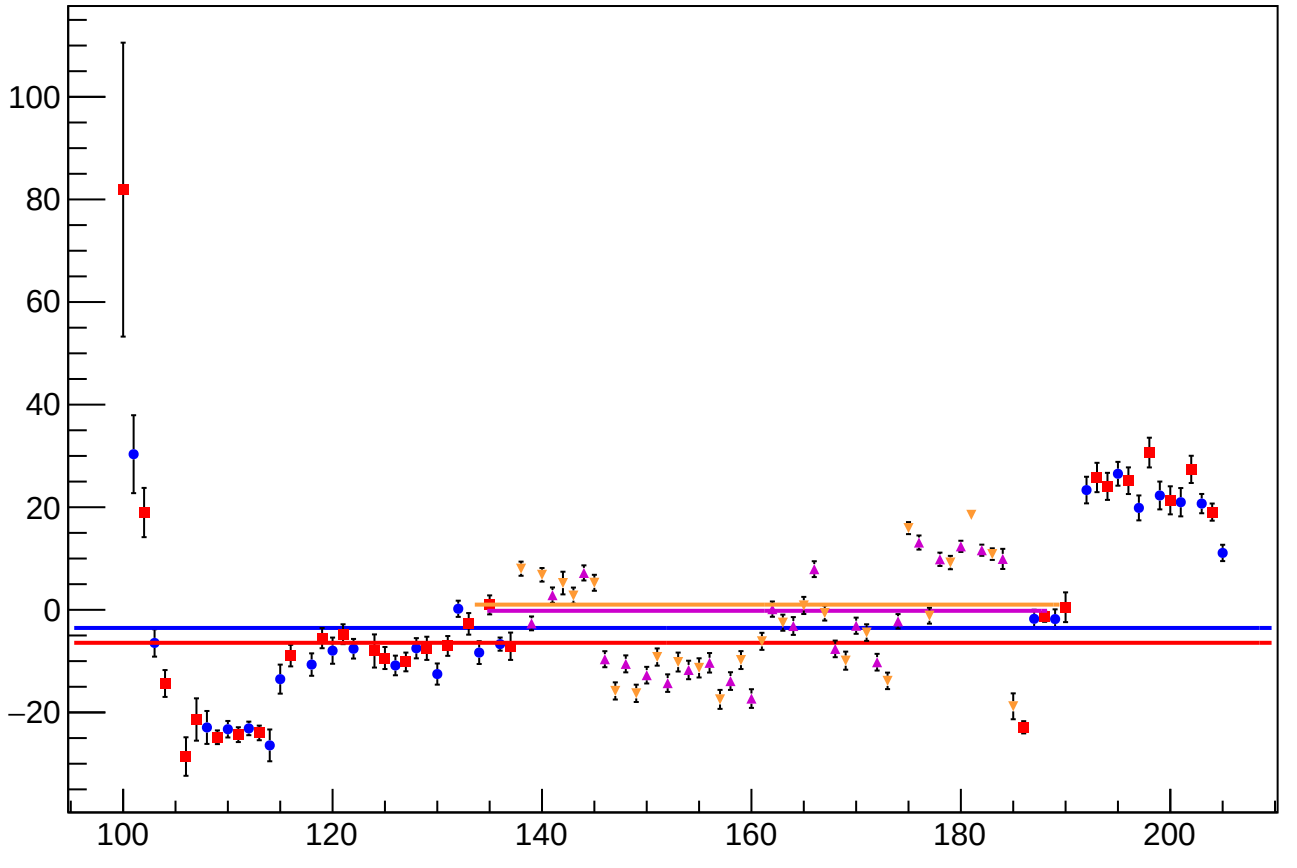
Left: -29.416+/-0.011 χ^2/NDF: 266057.0/47

Right: -37.151+/-0.021 χ^2/NDF: 317232.7/53

In: -30.826+/-0.014 χ^2/NDF:272266.0/47

Out: -31.293+/-0.014 χ^2/NDF:414149.8/53

All: -31.064+/-0.010 χ^2/NDF: 686979.7/101



Right In: -3.533+/-0.405 χ^2/NDF: 1355.9/24

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -6.429+/-0.370 χ^2/NDF: 1910.5/28

Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

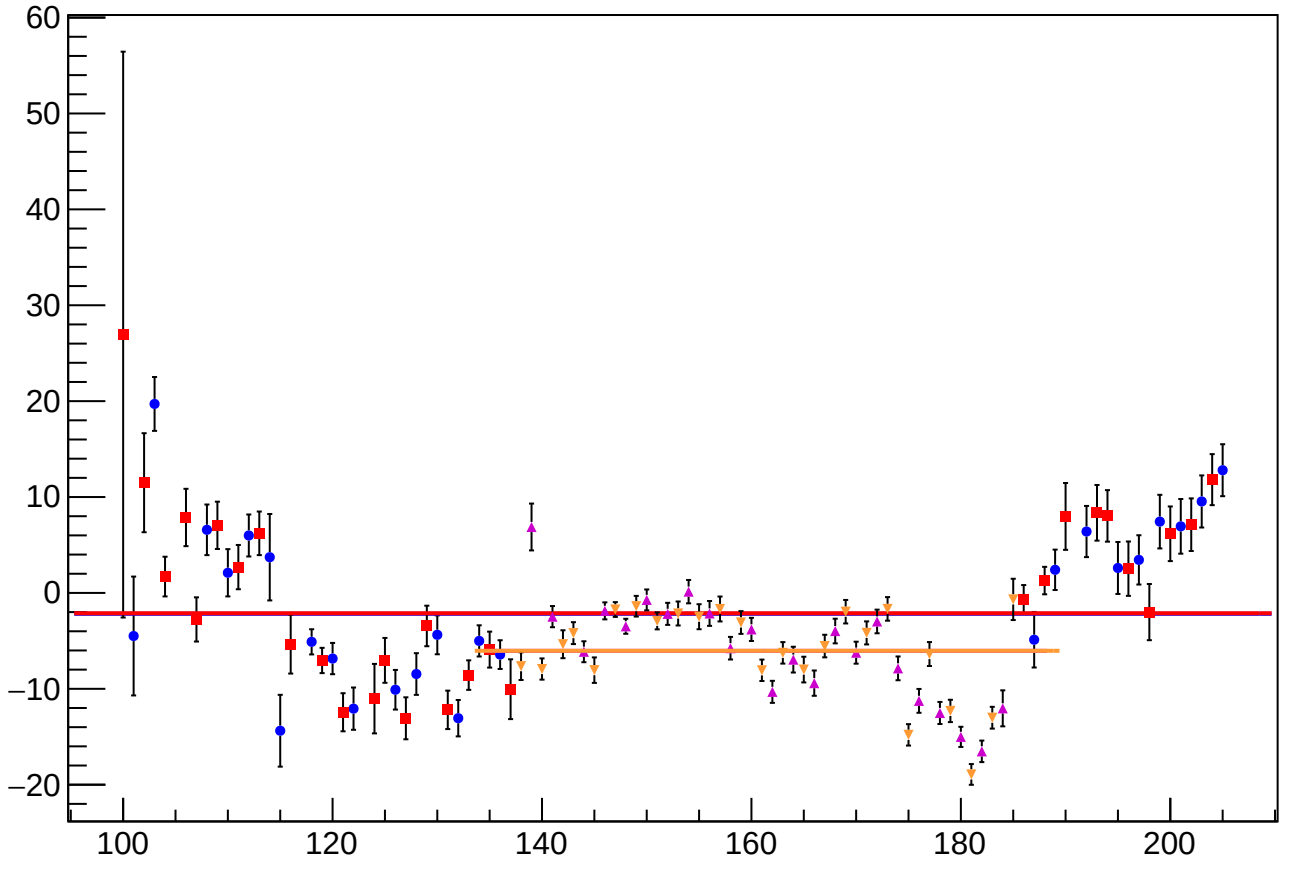
Left: 0.431+/-0.219 χ^2/NDF: 2325.4/47

Right: -5.111+/-0.273 χ^2/NDF: 3294.2/53

In: -1.449+/-0.248 χ^2/NDF:2381.1/47

Out: -1.991+/-0.235 χ^2/NDF:3486.5/53

All: -1.735+/-0.171 χ^2/NDF: 5870.1/101



Right In: -2.175+/-0.446 χ^2/NDF: 297.7/24

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -2.120+/-0.418 χ^2/NDF: 277.8/28

Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

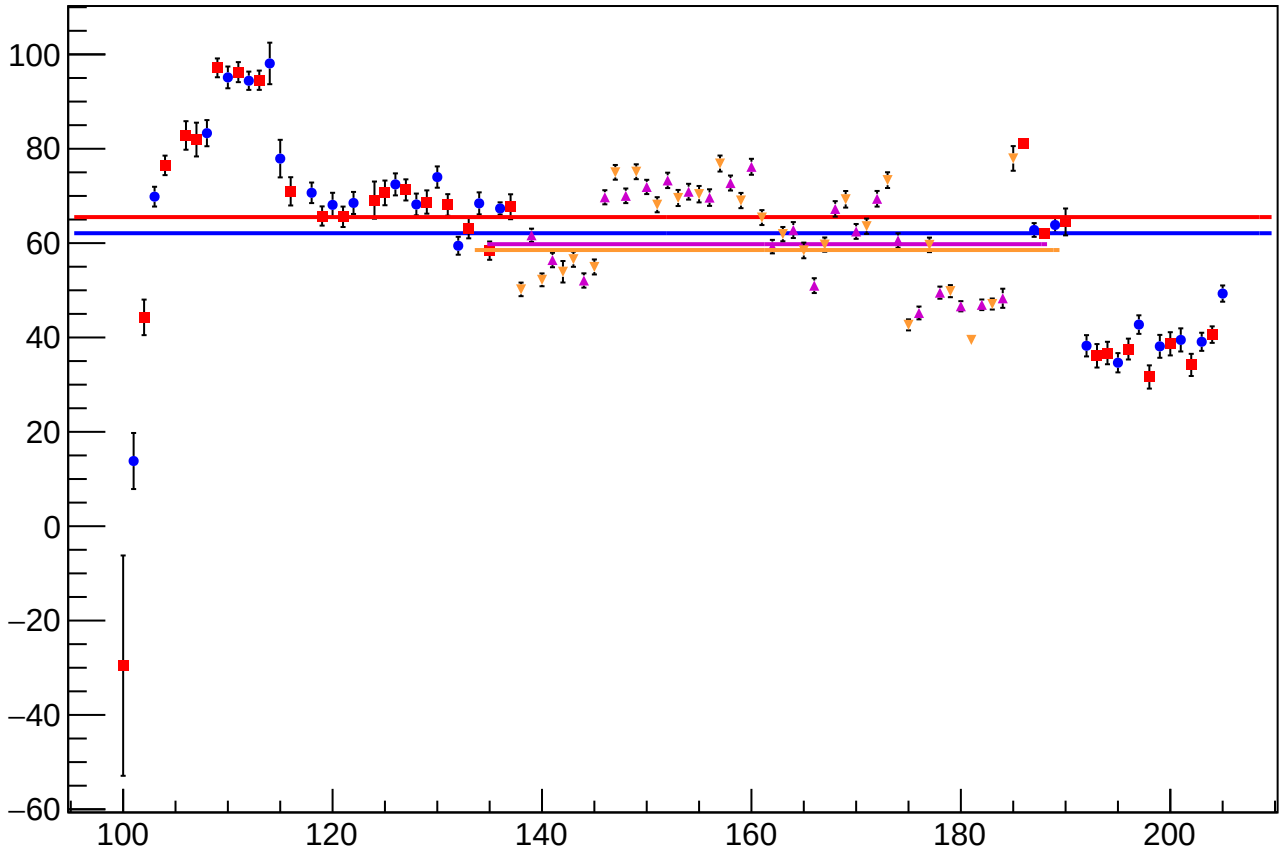
Left: -6.039+/-0.168 χ^2/NDF: 811.1/47

Right: -2.146+/-0.305 χ^2/NDF: 575.5/53

In: -5.158+/-0.213 χ^2/NDF:752.0/47

Out: -5.105+/-0.204 χ^2/NDF:759.6/53

All: -5.130+/-0.147 χ^2/NDF: 1511.7/101



Right In: 62.099+/-0.422 χ^2/NDF: 1586.2/24

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 65.518+/-0.371 χ^2/NDF: 2242.3/28

Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

Left: 59.139+/-0.217 χ^2/NDF: 2527.9/47

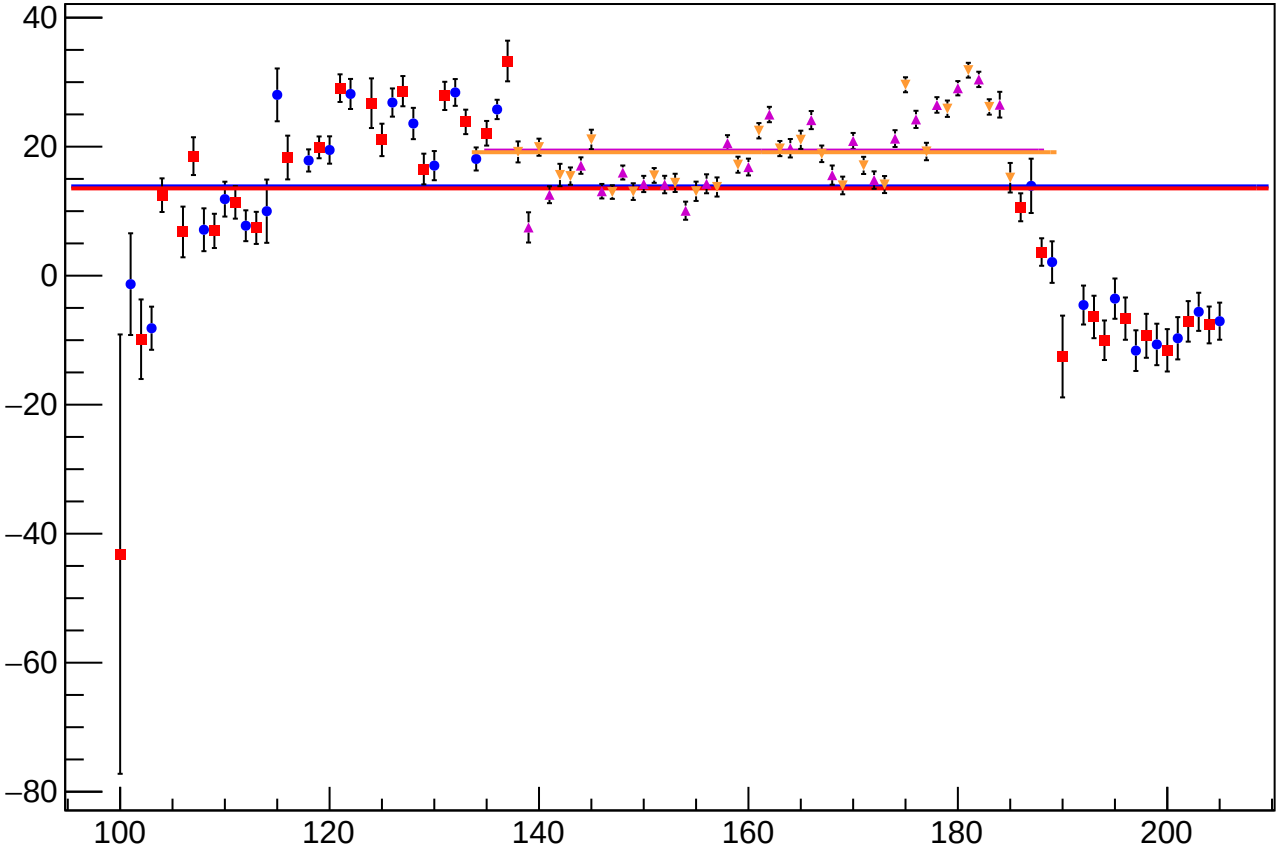
Right: 64.024+/-0.279 χ^2/NDF: 3865.5/53

In: 60.597+/-0.251 χ^2/NDF:2676.4/47

Out: 61.326+/-0.235 χ^2/NDF:3903.8/53

All: 60.985+/-0.171 χ^2/NDF: 6584.7/101

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 13.840+/-0.512 χ^2/NDF: 645.3/24

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 13.529+/-0.496 χ^2/NDF: 675.7/28

Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

Left: 19.260+/-0.190 χ^2/NDF: 901.9/47

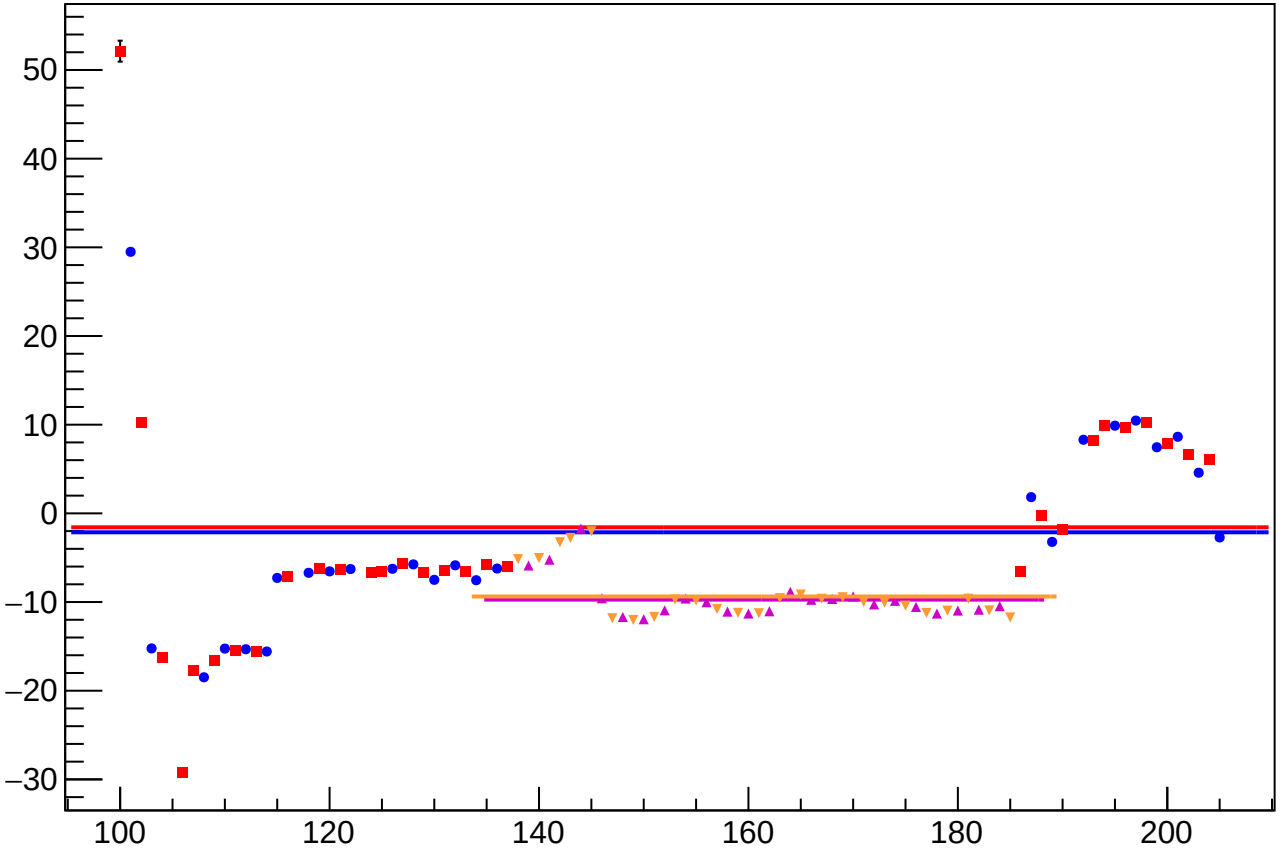
Right: 13.680+/-0.356 χ^2/NDF: 1321.1/53

In: 18.158+/-0.241 χ^2/NDF:1204.3/47

Out: 17.899+/-0.233 χ^2/NDF:1209.1/53

All: 18.024+/-0.168 χ^2/NDF: 2414.0/101

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -2.135+/-0.024 χ^2/NDF: 149287.9/24

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.574+/-0.024 χ^2/NDF: 186916.1/28

Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

Left: -9.547+/-0.008 χ^2/NDF: 82314.4/47

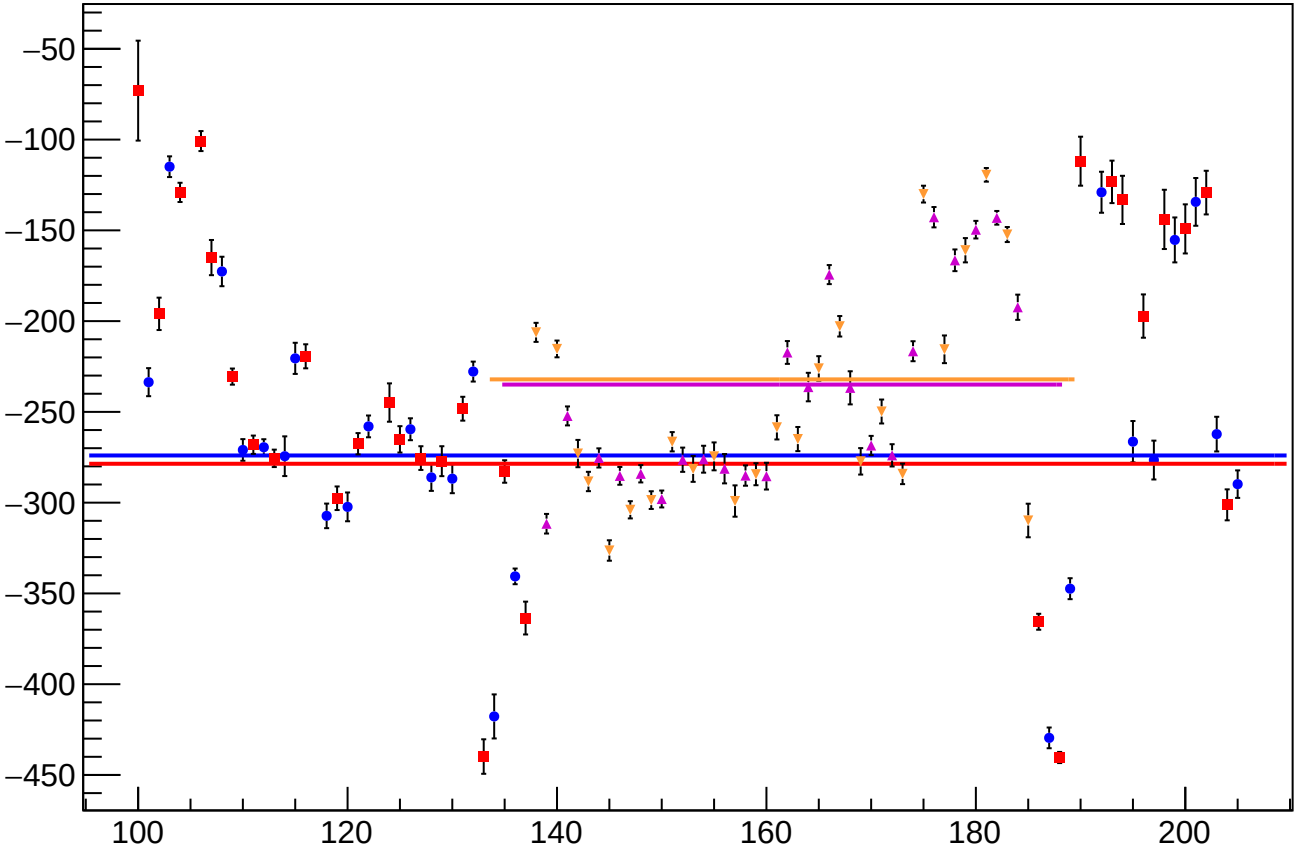
Right: -1.852+/-0.017 χ^2/NDF: 336469.8/53

In: -8.232+/-0.011 χ^2/NDF:258555.3/47

Out: -7.861+/-0.011 χ^2/NDF:320458.4/53

All: -8.043+/-0.008 χ^2/NDF: 579604.8/101

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -274.009+/-1.401 χ^2/NDF: 2783.9/24

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -278.580+/-1.236 χ^2/NDF: 6735.4/28

Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

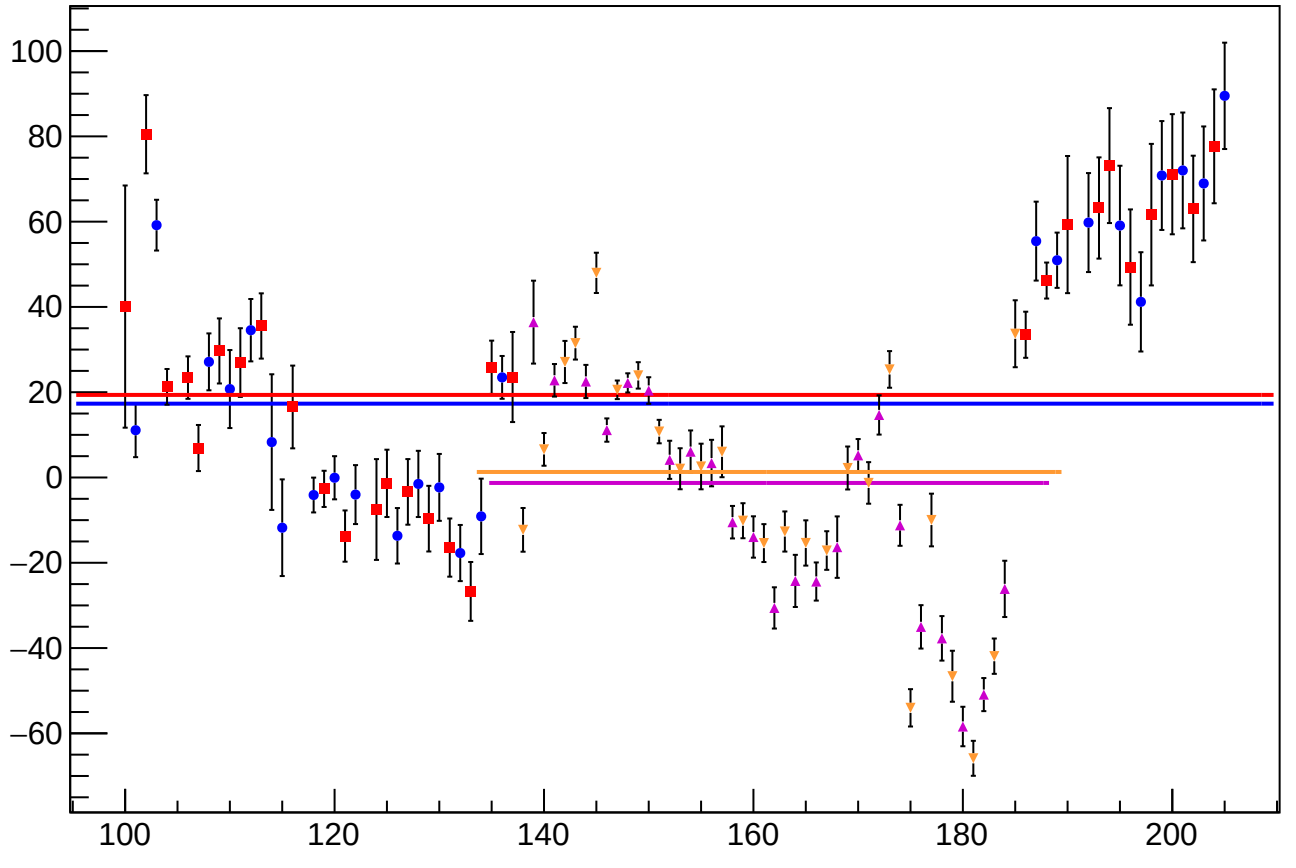
Left: -233.480+/-0.820 χ^2/NDF: 5743.2/47

Right: -276.578+/-0.927 χ^2/NDF: 9525.3/53

In: -251.094+/-0.901 χ^2/NDF:5710.2/47

Out: -253.517+/-0.839 χ^2/NDF:10767.7/53

All: -252.391+/-0.614 χ^2/NDF: 16481.8/101



Right In: 17.314+/-1.492 χ^2/NDF: 340.2/24

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 19.366+/-1.342 χ^2/NDF: 363.1/28

Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

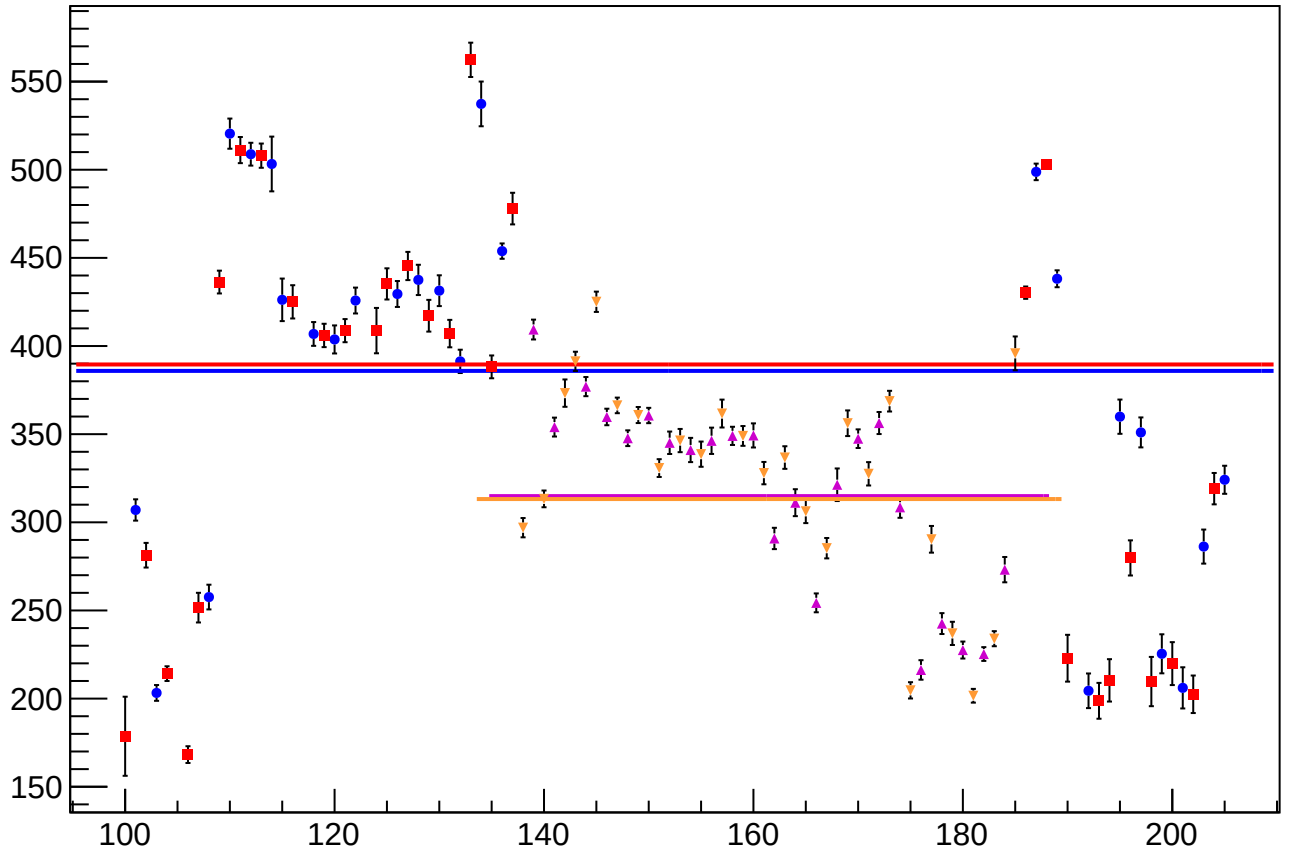
Left: 0.056+/-0.603 χ^2/NDF: 1865.2/47

Right: 18.449+/-0.998 χ^2/NDF: 704.3/53

In: 3.426+/-0.751 χ^2/NDF:1267.3/47

Out: 6.355+/-0.710 χ^2/NDF:1543.1/53

All: 4.972+/-0.516 χ^2/NDF: 2818.5/101



Right In: 385.892+/-1.421 χ^2/NDF: 5050.6/24

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 389.535+/-1.212 χ^2/NDF: 9516.2/28

Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

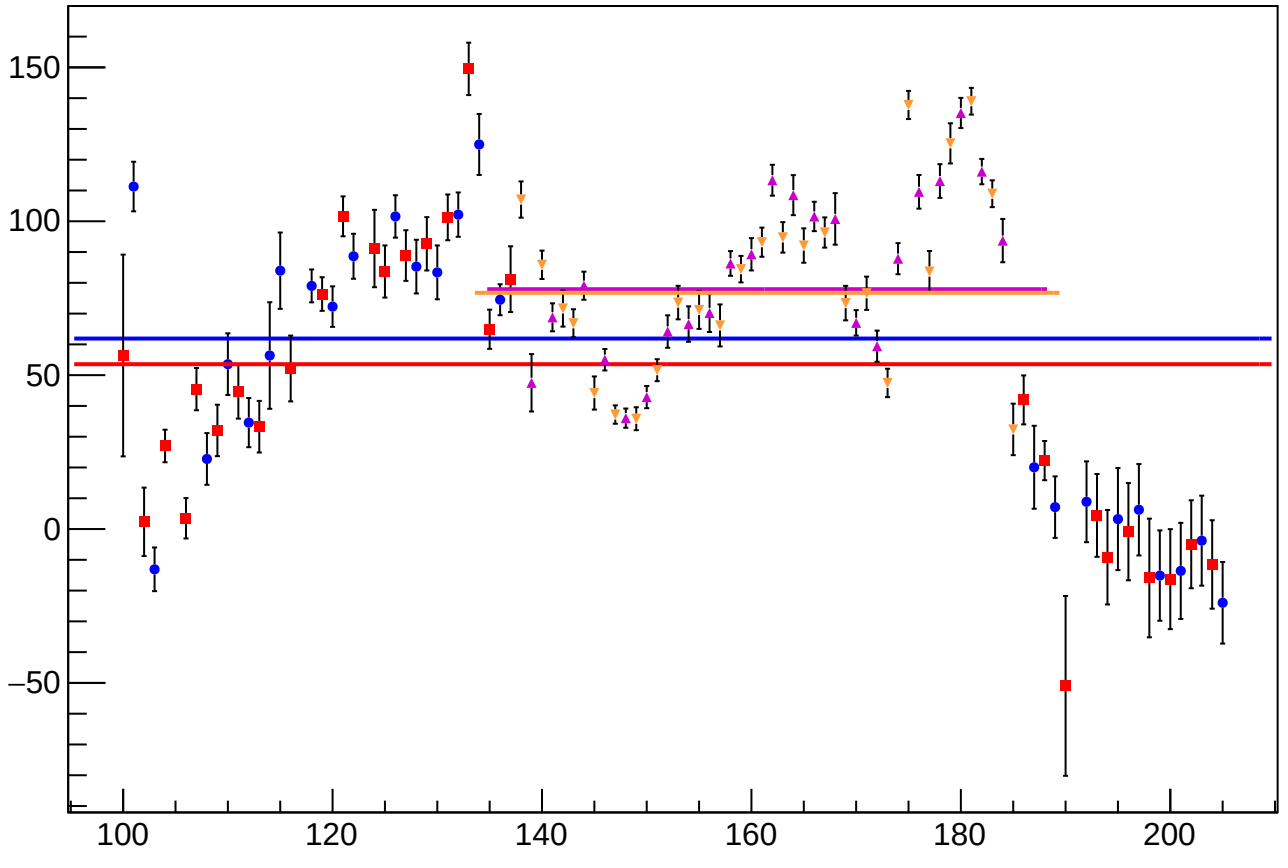
Left: 314.010+/-0.811 χ^2/NDF: 5565.8/47

Right: 388.001+/-0.922 χ^2/NDF: 14570.5/53

In: 343.307+/-0.899 χ^2/NDF:8977.4/47

Out: 348.842+/-0.828 χ^2/NDF:14768.0/53

All: 346.303+/-0.609 χ^2/NDF: 23766.0/101



Right In: 61.892+/-1.750 χ^2/NDF: 532.6/24

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 53.563+/-1.618 χ^2/NDF: 580.2/28

Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

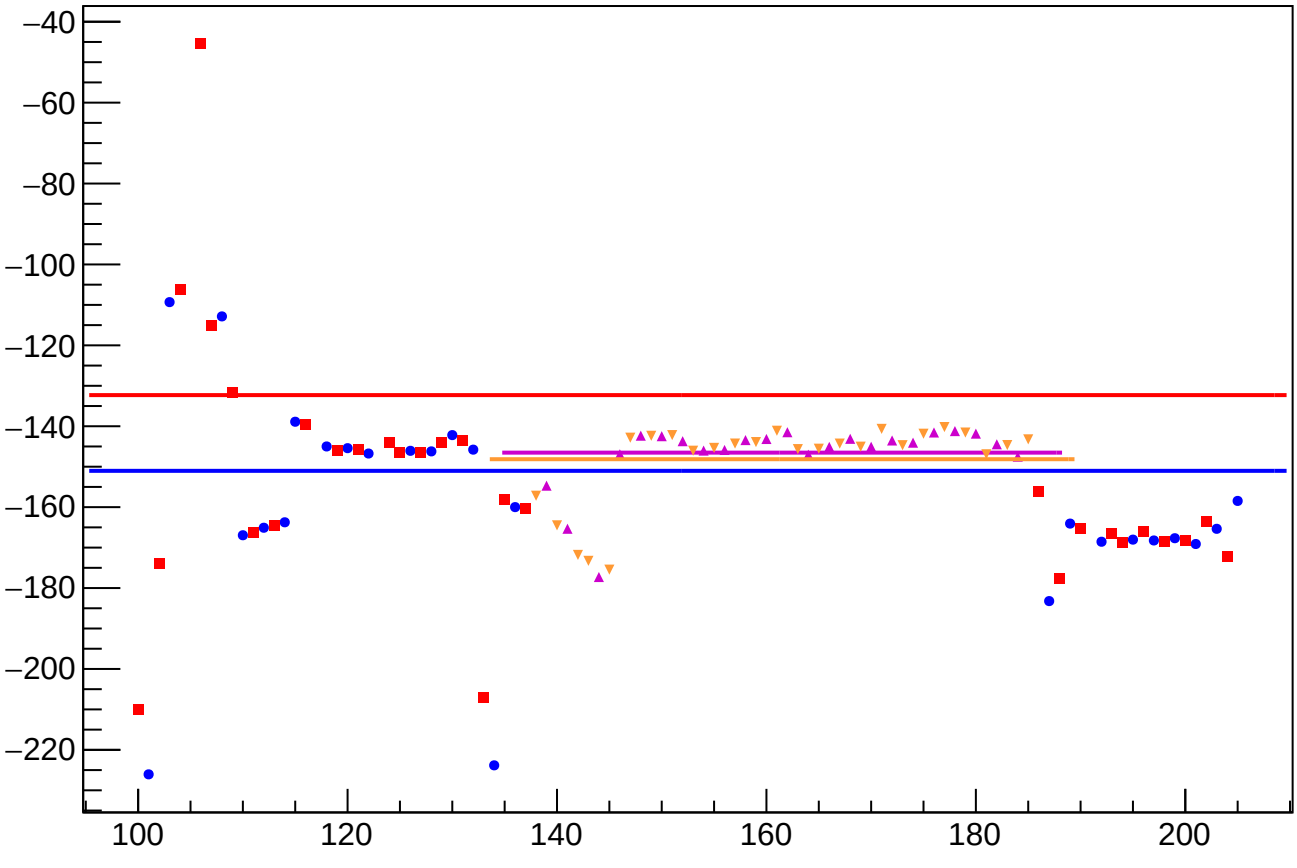
Left: 77.323+/-0.694 χ^2/NDF: 1819.9/47

Right: 57.401+/-1.188 χ^2/NDF: 1125.0/53

In: 73.996+/-0.866 χ^2/NDF:1379.8/47

Out: 70.655+/-0.830 χ^2/NDF:1767.1/53

All: 72.254+/-0.599 χ^2/NDF: 3154.6/101



Right In: -151.023+/-0.085 χ^2/NDF: 146121.2/24

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -132.301+/-0.077 χ^2/NDF: 347268.2/28

Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

Left: -147.344+/-0.032 χ^2/NDF: 78725.9/47

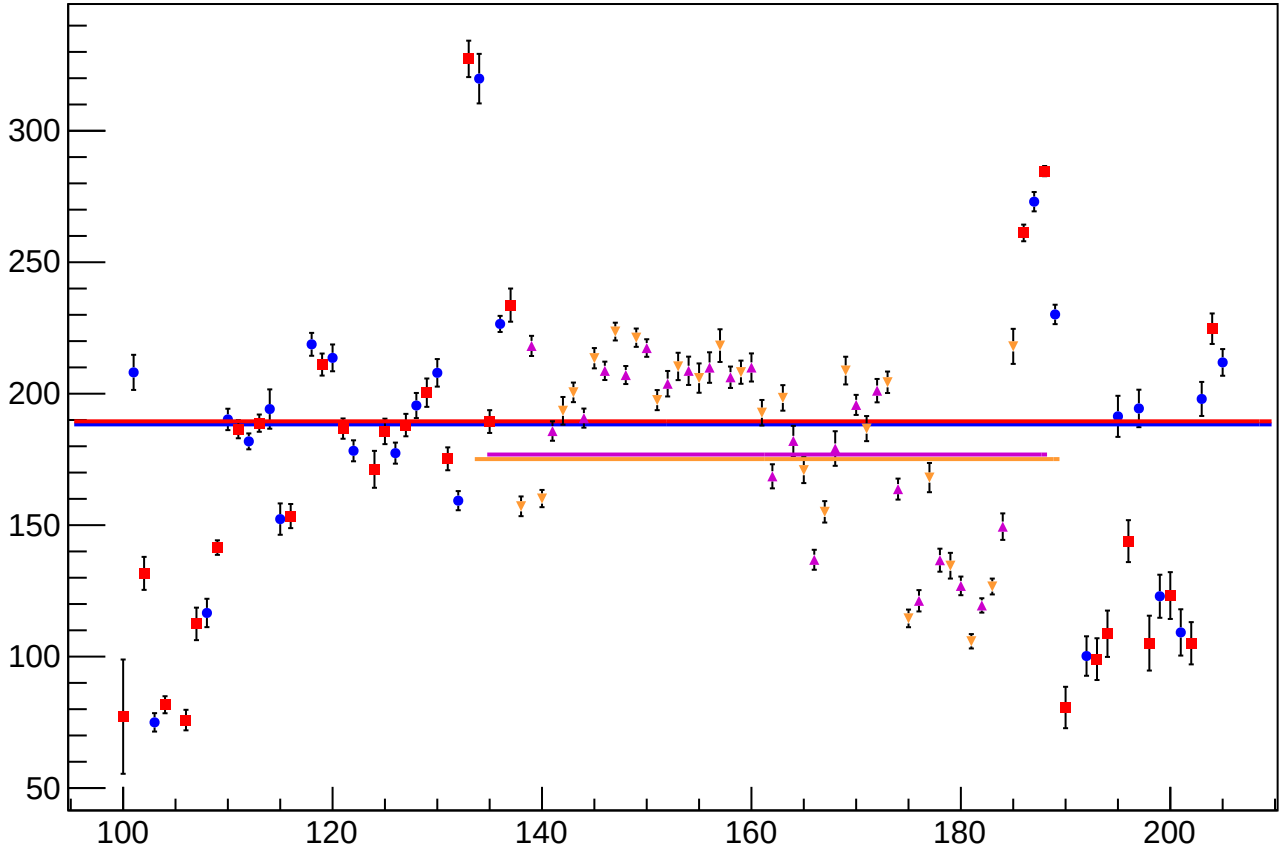
Right: -140.750+/-0.057 χ^2/NDF: 520224.8/53

In: -147.533+/-0.040 χ^2/NDF:177484.9/47

Out: -144.084+/-0.039 χ^2/NDF:427857.6/53

All: -145.755+/-0.028 χ^2/NDF: 609154.3/101

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 188.326+/-0.938 χ^2/NDF: 2758.7/24

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.493+/-0.818 χ^2/NDF: 6716.0/28

Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

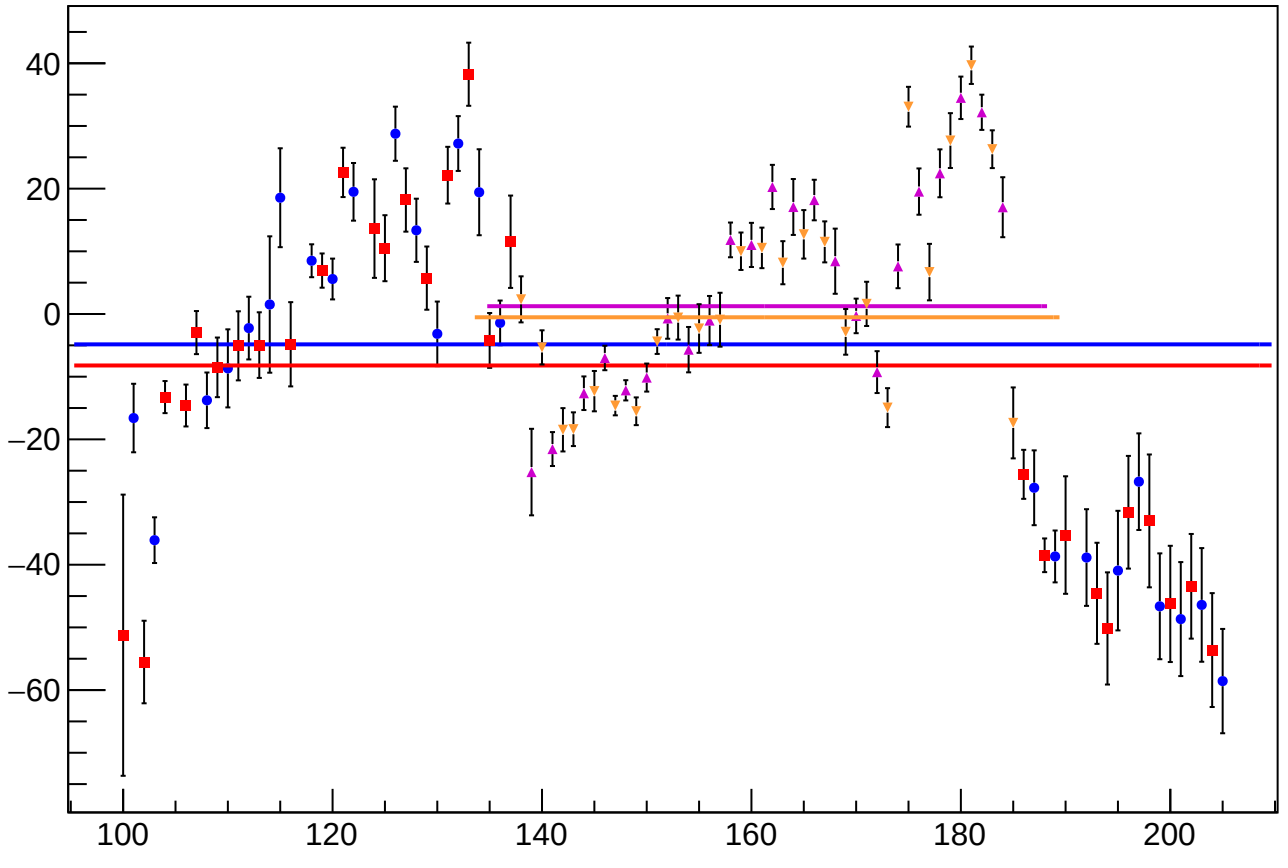
Left: 175.968+/-0.590 χ^2/NDF: 4053.4/47

Right: 188.989+/-0.617 χ^2/NDF: 9475.6/53

In: 182.008+/-0.629 χ^2/NDF:4597.0/47

Out: 182.340+/-0.580 χ^2/NDF:9164.6/53

All: 182.187+/-0.426 χ^2/NDF: 13761.7/101



Right In: -4.844+/-0.998 χ^2/NDF: 530.5/24

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -8.213+/-0.884 χ^2/NDF: 620.8/28

Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

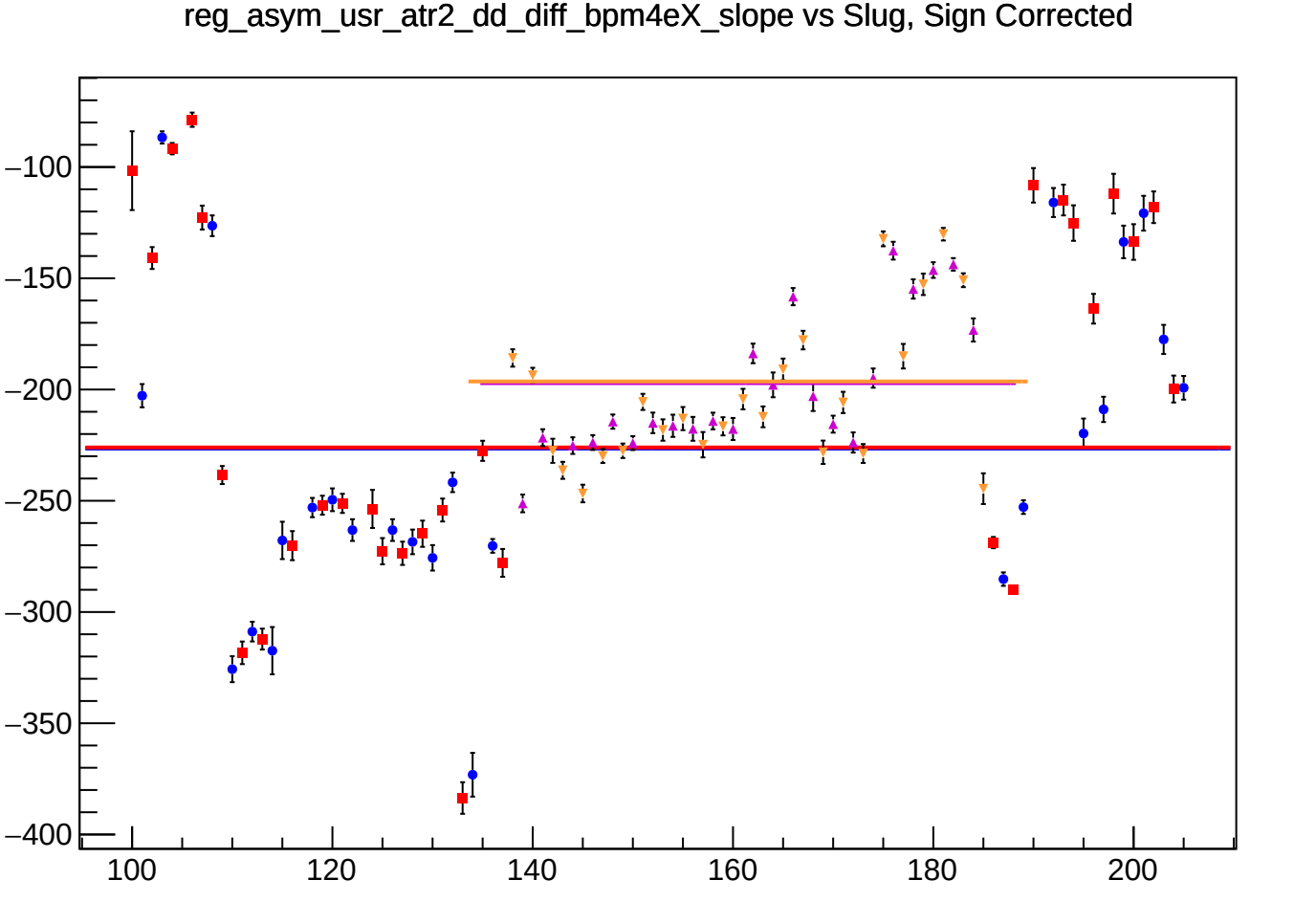
Left: 0.325+/-0.433 χ^2/NDF: 1349.2/47

Right: -6.732+/-0.662 χ^2/NDF: 1157.7/53

In: -0.472+/-0.530 χ^2/NDF:1177.8/47

Out: -2.951+/-0.497 χ^2/NDF:1397.0/53

All: -1.791+/-0.363 χ^2/NDF: 2586.5/101



Right In: -226.528+/-0.949 χ^2/NDF: 5714.0/24

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -226.043+/-0.799 χ^2/NDF: 10426.2/28

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

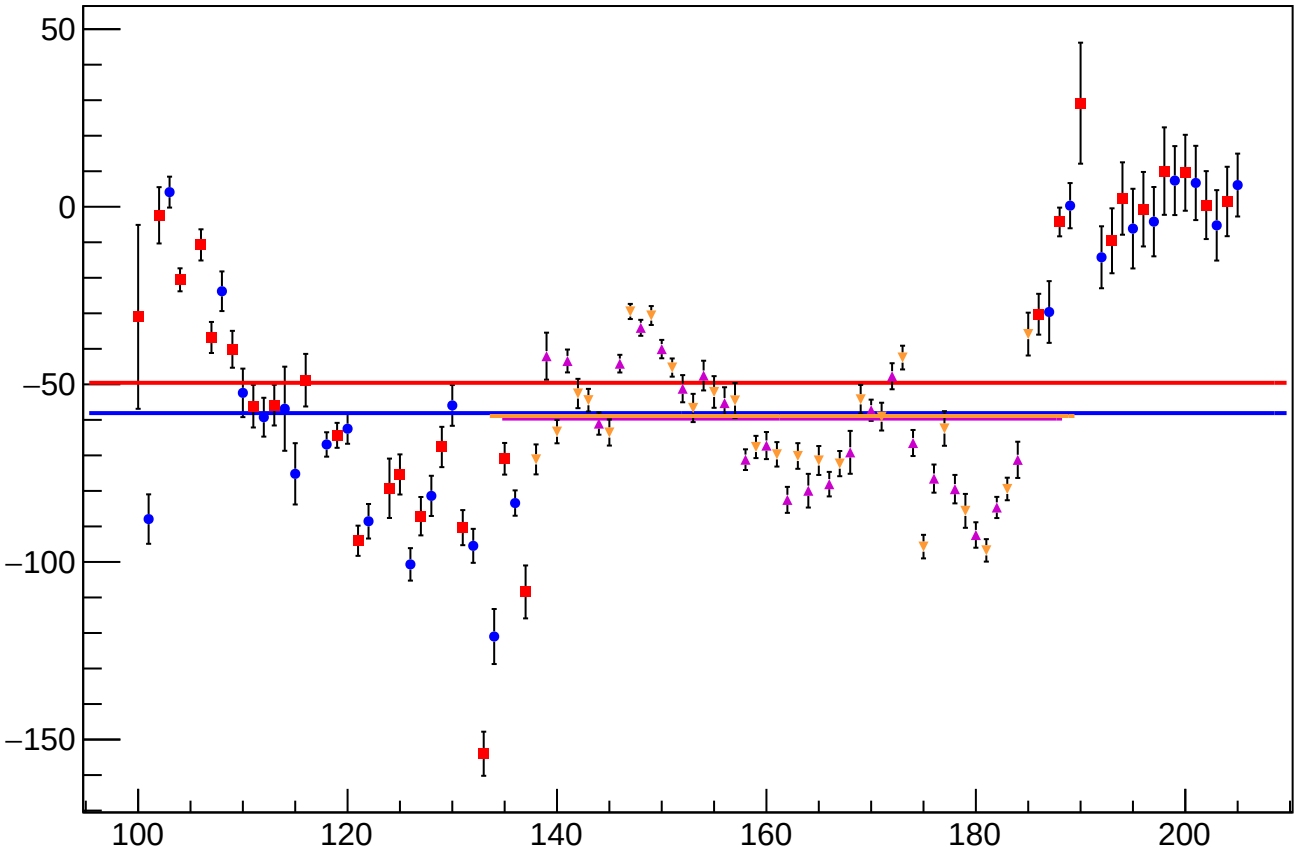
Left: -196.744+/-0.584 χ^2/NDF: 3599.6/47

Right: -226.244+/-0.611 χ^2/NDF: 16140.4/53

In: -209.989+/-0.628 χ^2/NDF:7855.5/47

Out: -211.528+/-0.571 χ^2/NDF:13099.1/53

All: -210.831+/-0.422 χ^2/NDF: 20957.9/101



Right In: -58.095+/-1.175 χ^2/NDF: 930.3/24

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -49.561+/-1.069 χ^2/NDF: 1197.7/28

Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

Left: -59.261+/-0.499 χ^2/NDF: 1380.0/47

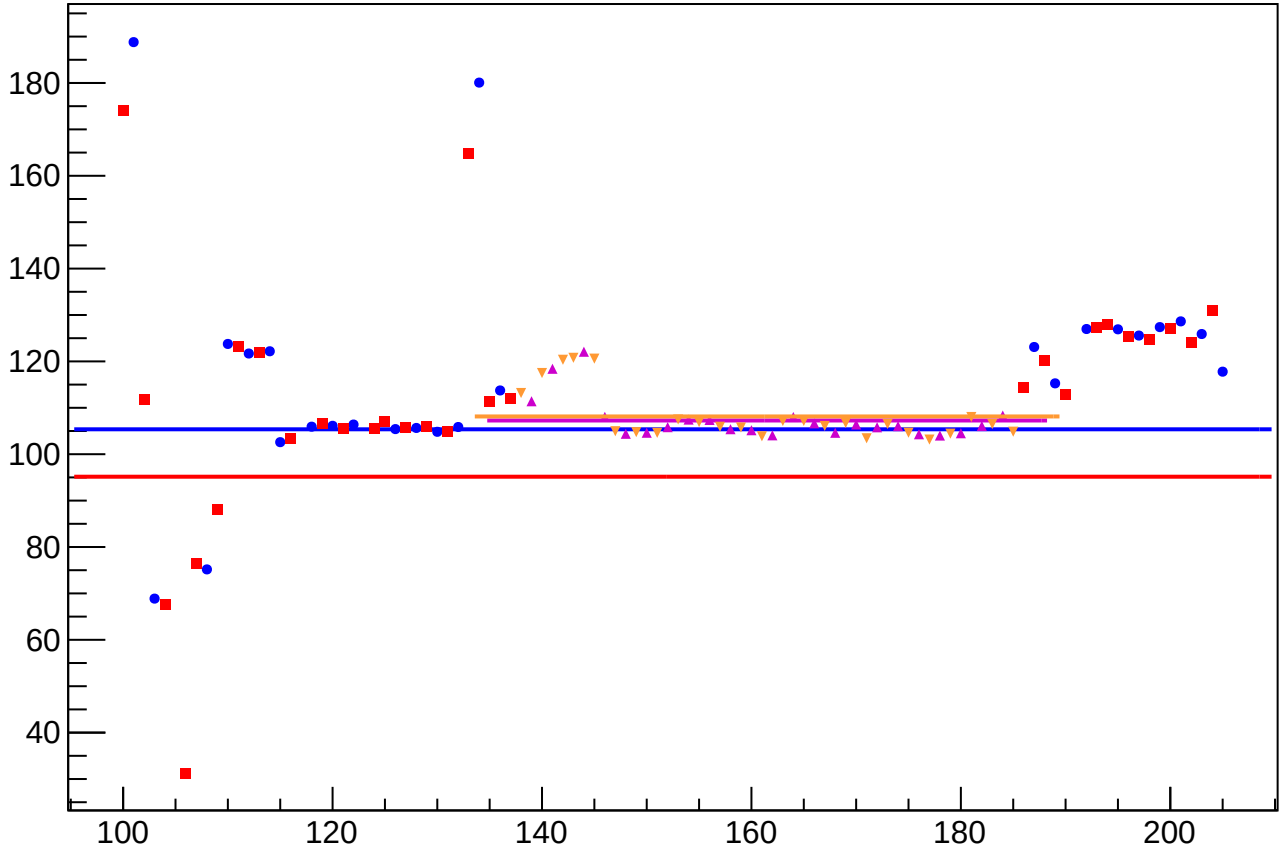
Right: -53.425+/-0.791 χ^2/NDF: 2156.9/53

In: -59.218+/-0.613 χ^2/NDF:1528.6/47

Out: -56.132+/-0.583 χ^2/NDF:2033.9/53

All: -57.597+/-0.422 χ^2/NDF: 3575.9/101

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 105.367+/-0.057 χ^2/NDF: 272168.2/24

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

Right Out: 95.150+/-0.052 χ^2/NDF: 385321.2/28

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

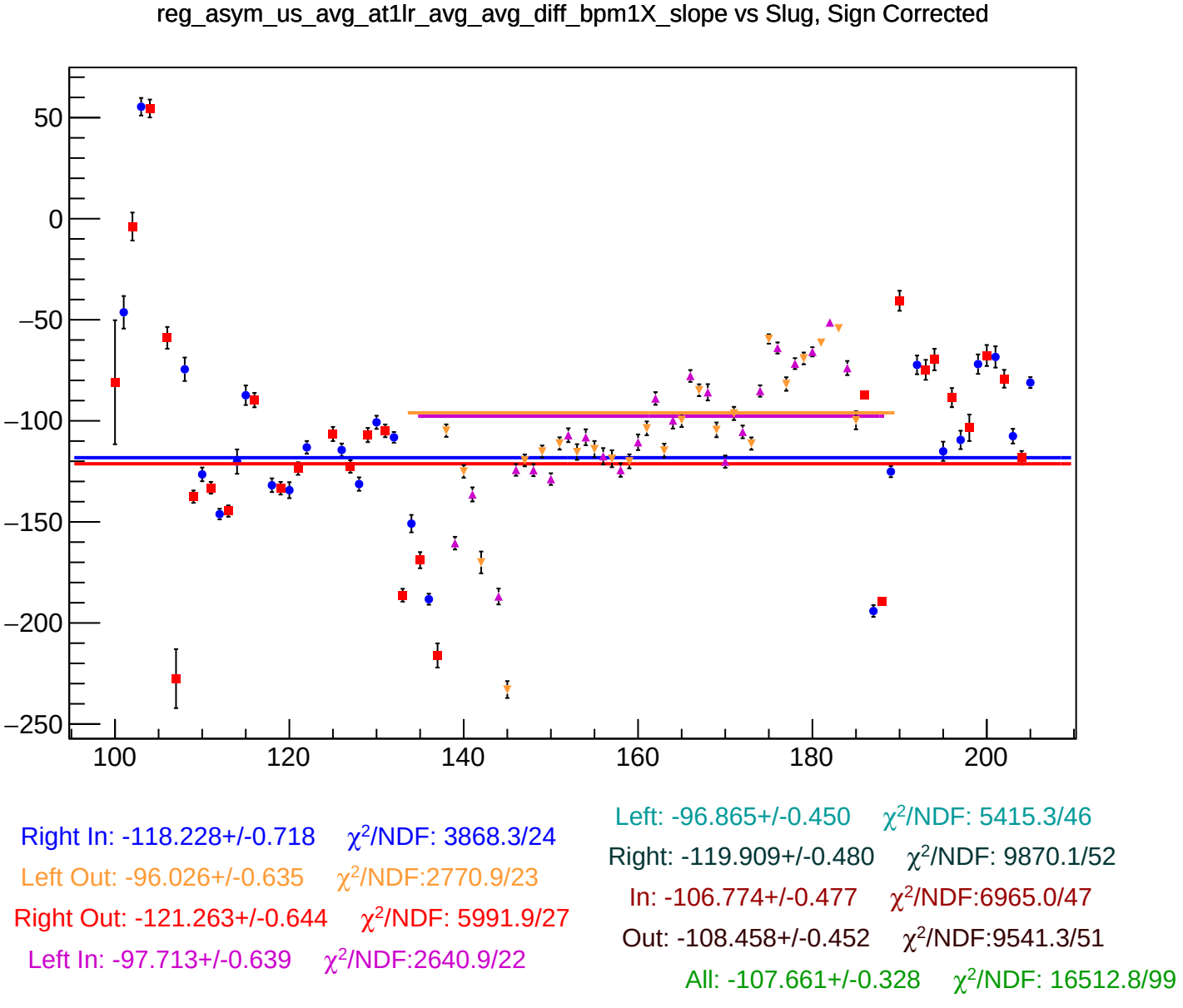
Left: 107.706+/-0.023 χ^2/NDF: 43654.4/47

Right: 99.813+/-0.038 χ^2/NDF: 675217.4/53

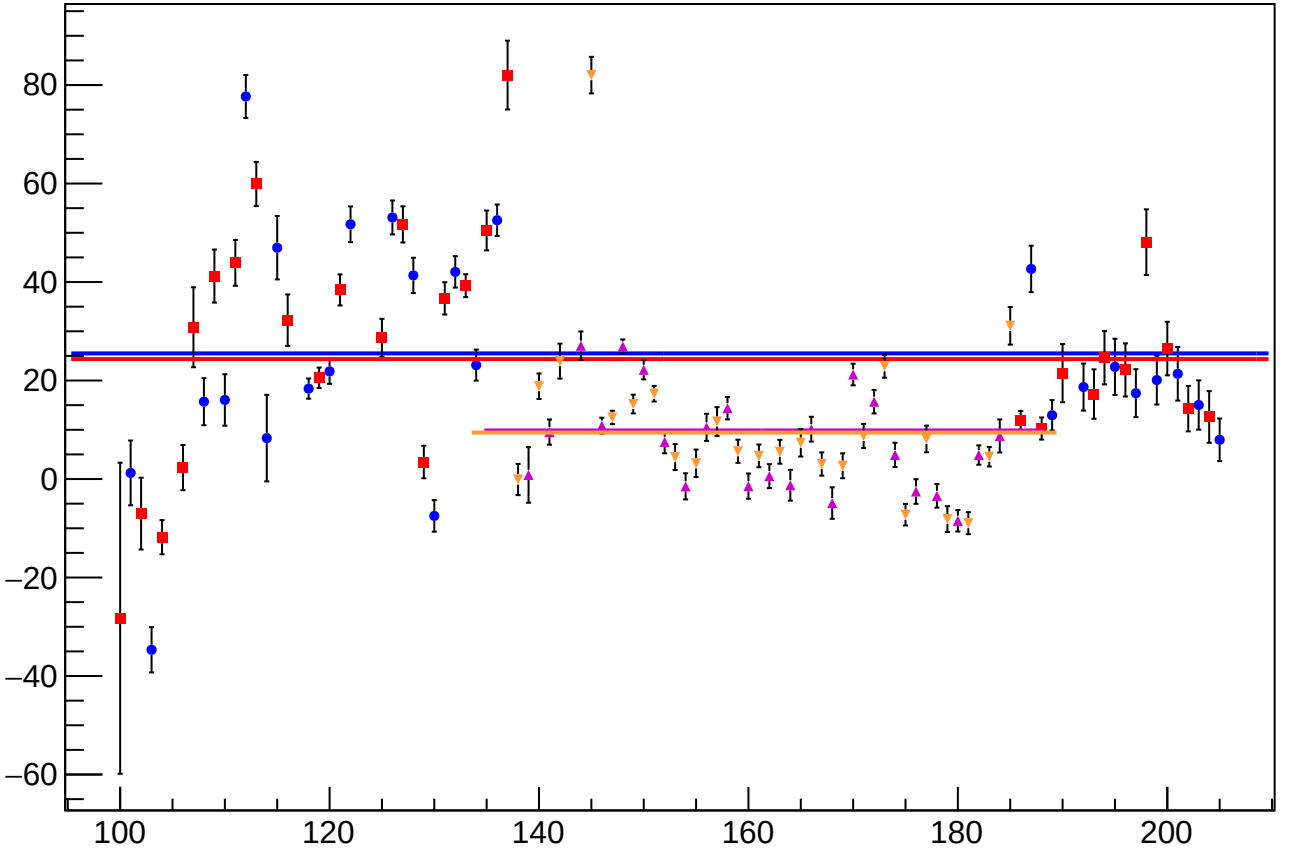
In: 106.787+/-0.028 χ^2/NDF:289890.8/47

Out: 104.479+/-0.028 χ^2/NDF:456824.4/53

All: 105.597+/-0.020 χ^2/NDF: 750122.7/101


reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
−250
100
120
140
160
180
200
Right In: -118.228+/-0.718 χ²/NDF: 3868.3/24
Left Out: -96.026+/-0.635 χ²/NDF:2770.9/23
Right Out: -121.263+/-0.644 χ²/NDF: 5991.9/27
Left In: -97.713+/-0.639 χ²/NDF:2640.9/22
Left: -96.865+/-0.450 χ²/NDF: 5415.3/46
Right: -119.909+/-0.480 χ²/NDF: 9870.1/52
In: -106.774+/-0.477 χ²/NDF:6965.0/47
Out: -108.458+/-0.452 χ²/NDF:9541.3/51
All: -107.661+/-0.328 χ²/NDF: 16512.8/99

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 25.508+/-0.766 χ^2/NDF: 764.2/24

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

Right Out: 24.353+/-0.710 χ^2/NDF: 634.3/27

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

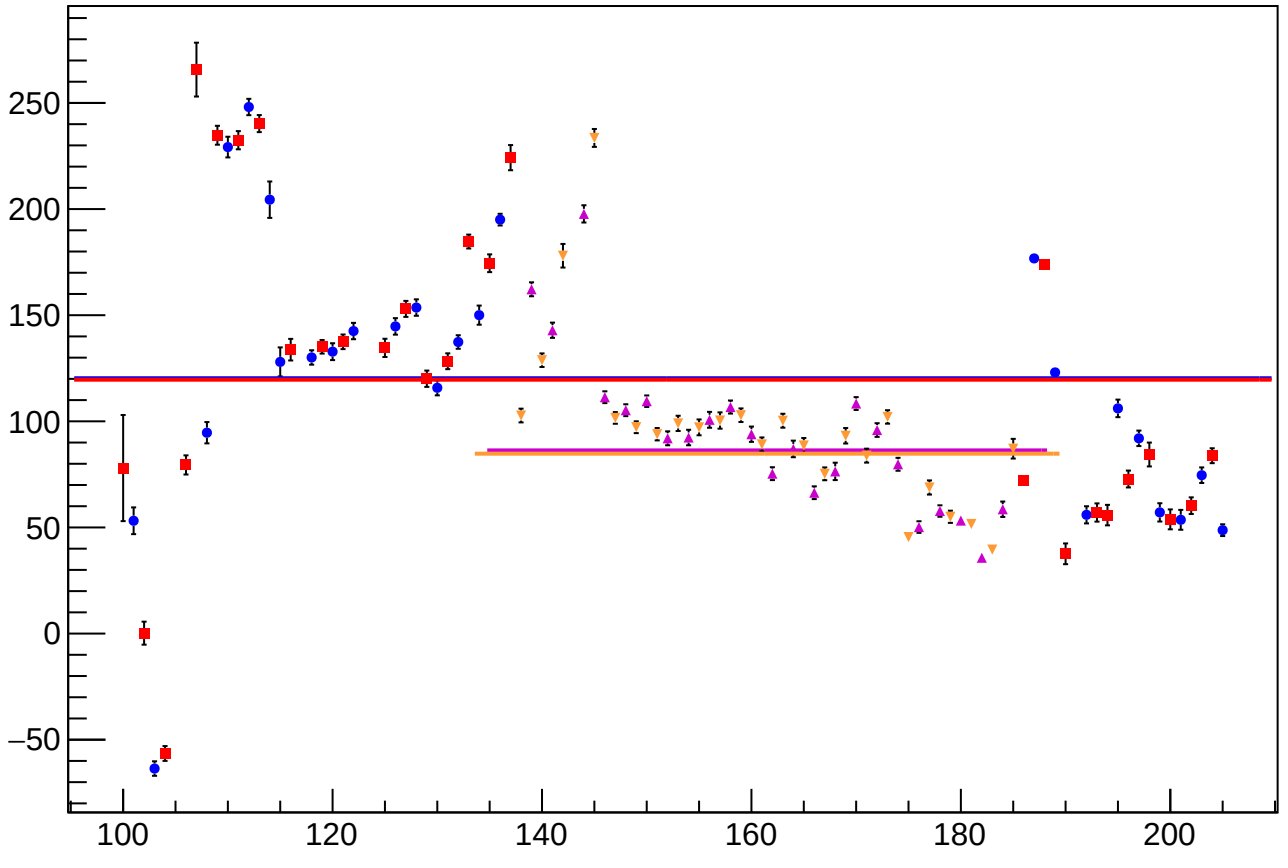
Left: 9.648+/-0.341 χ^2/NDF: 1222.1/46

Right: 24.887+/-0.521 χ^2/NDF: 1399.8/52

In: 14.359+/-0.411 χ^2/NDF:1546.6/47

Out: 14.085+/-0.397 χ^2/NDF:1674.1/51

All: 14.217+/-0.285 χ^2/NDF: 3220.9/99



Right In: 120.298+/-0.733 χ^2/NDF: 7837.8/24

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

Right Out: 119.616+/-0.622 χ^2/NDF: 10901.5/27

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

Left: 85.526+/-0.446 χ^2/NDF: 6266.2/46

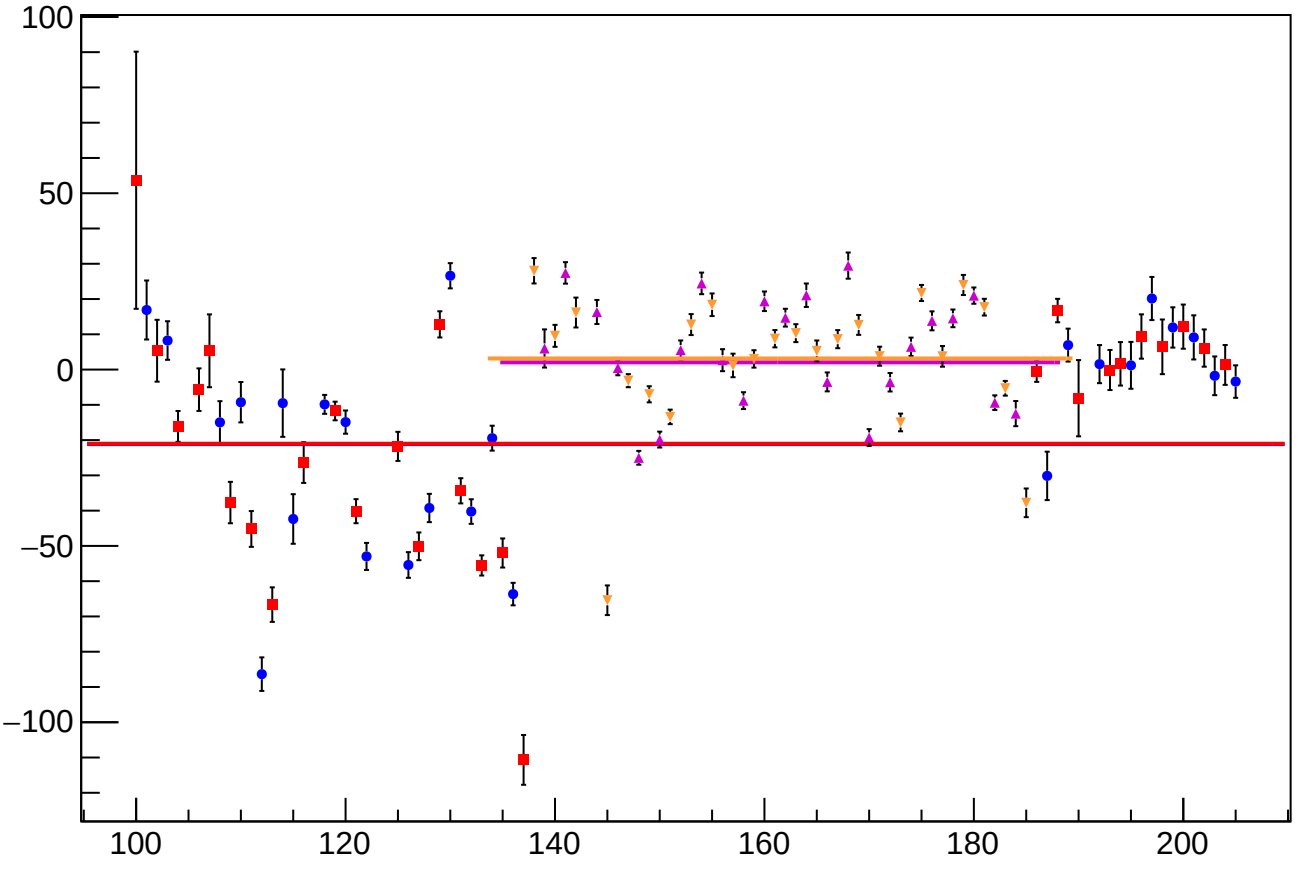
Right: 119.901+/-0.474 χ^2/NDF: 18739.8/52

In: 100.782+/-0.479 χ^2/NDF:12224.0/47

Out: 102.384+/-0.442 χ^2/NDF:15564.1/51

All: 101.646+/-0.325 χ^2/NDF: 27794.1/99

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -21.126+/-0.896 χ^2/NDF: 1035.2/24

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

Right Out: -21.033+/-0.860 χ^2/NDF: 1015.6/27

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

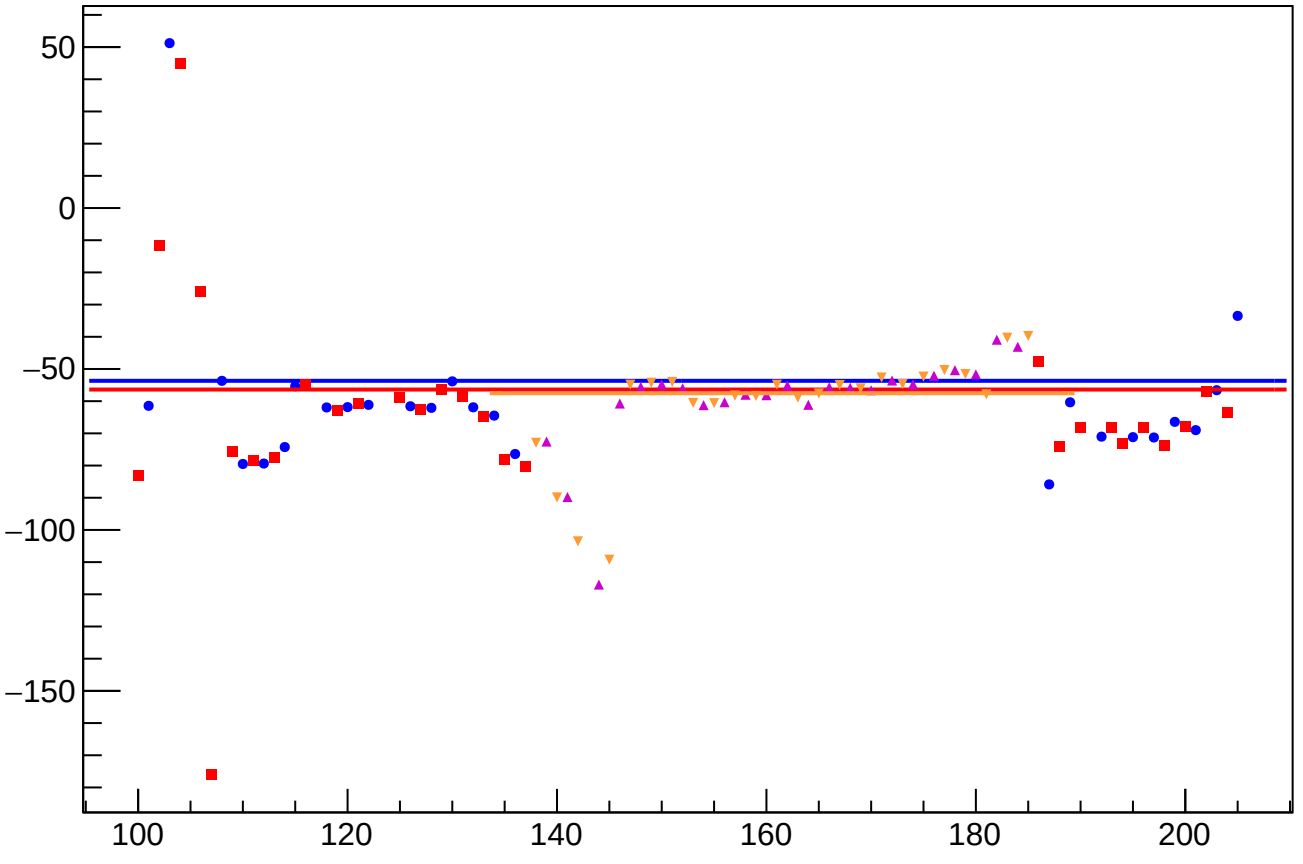
Left: 2.608+/-0.387 χ^2/NDF: 1666.7/46

Right: -21.078+/-0.621 χ^2/NDF: 2050.8/52

In: -4.304+/-0.469 χ^2/NDF:2371.0/47

Out: -3.750+/-0.460 χ^2/NDF:2394.0/51

All: -4.022+/-0.328 χ^2/NDF: 4765.8/99



Right In: -53.675+/-0.044 χ^2/NDF: 652022.0/24

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -56.384+/-0.044 χ^2/NDF: 561747.7/27

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

Left: -57.455+/-0.018 χ^2/NDF: 494187.3/46

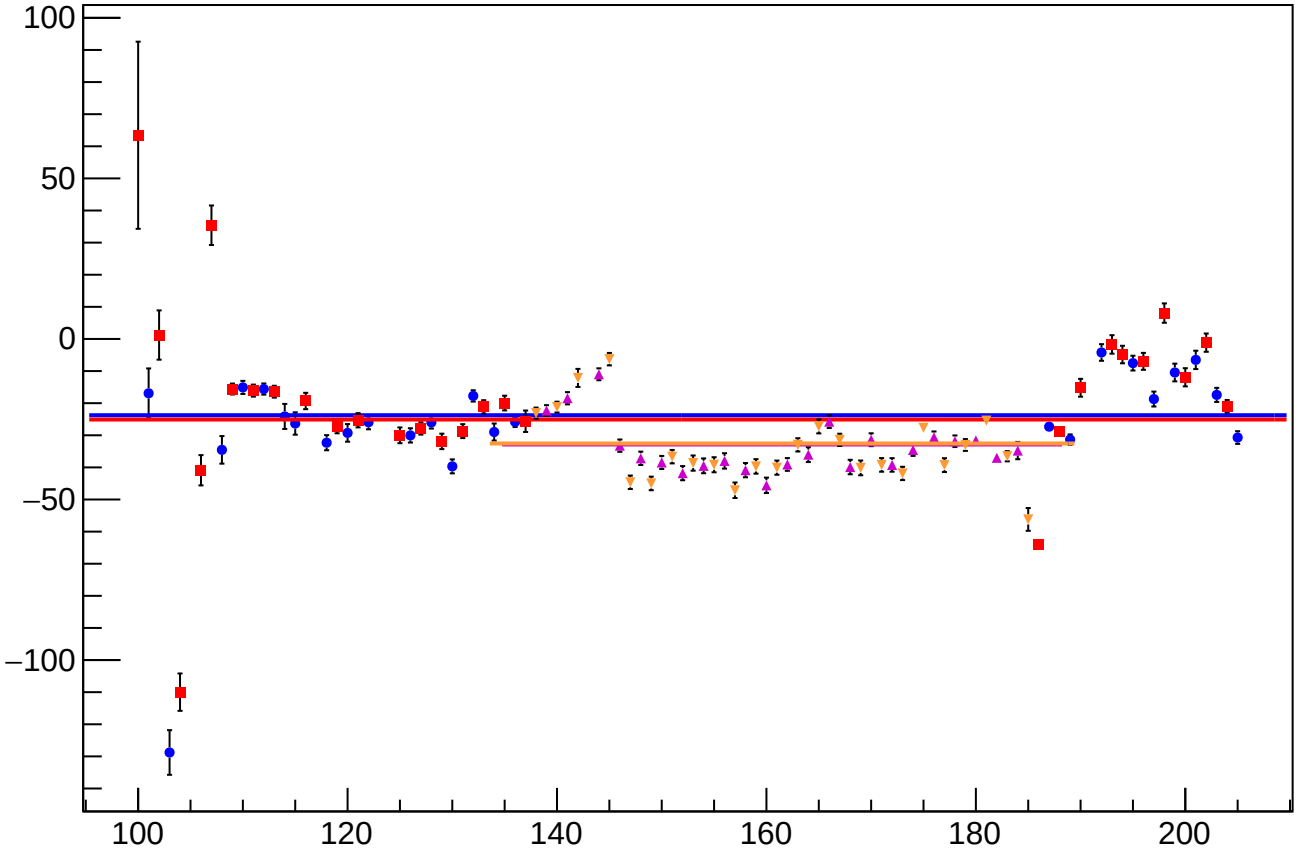
Right: -55.047+/-0.031 χ^2/NDF: 1215661.7/52

In: -56.497+/-0.022 χ^2/NDF:884476.4/47

Out: -57.254+/-0.022 χ^2/NDF:829300.2/51

All: -56.876+/-0.015 χ^2/NDF: 1714391.9/99

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -23.750+/-0.448 χ^2/NDF: 593.8/24

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -25.089+/-0.409 χ^2/NDF: 1620.2/27

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

Left: -32.706+/-0.289 χ^2/NDF: 977.1/46

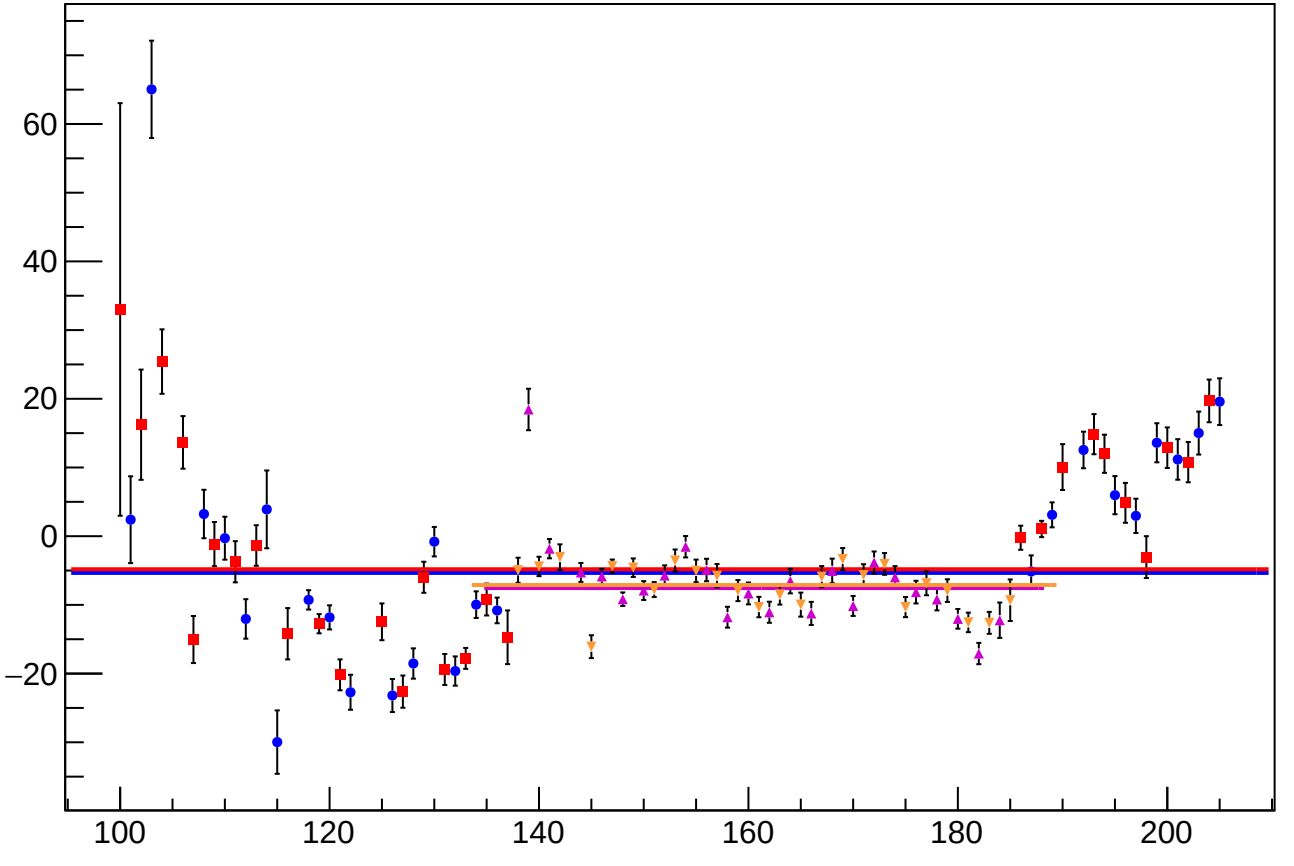
Right: -24.481+/-0.302 χ^2/NDF: 2218.9/52

In: -28.698+/-0.303 χ^2/NDF:1191.7/47

Out: -28.837+/-0.288 χ^2/NDF:2391.3/51

All: -28.771+/-0.209 χ^2/NDF: 3583.1/99

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -5.344+/-0.493 χ^2/NDF: 633.9/24

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

Right Out: -4.813+/-0.464 χ^2/NDF: 631.5/27

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

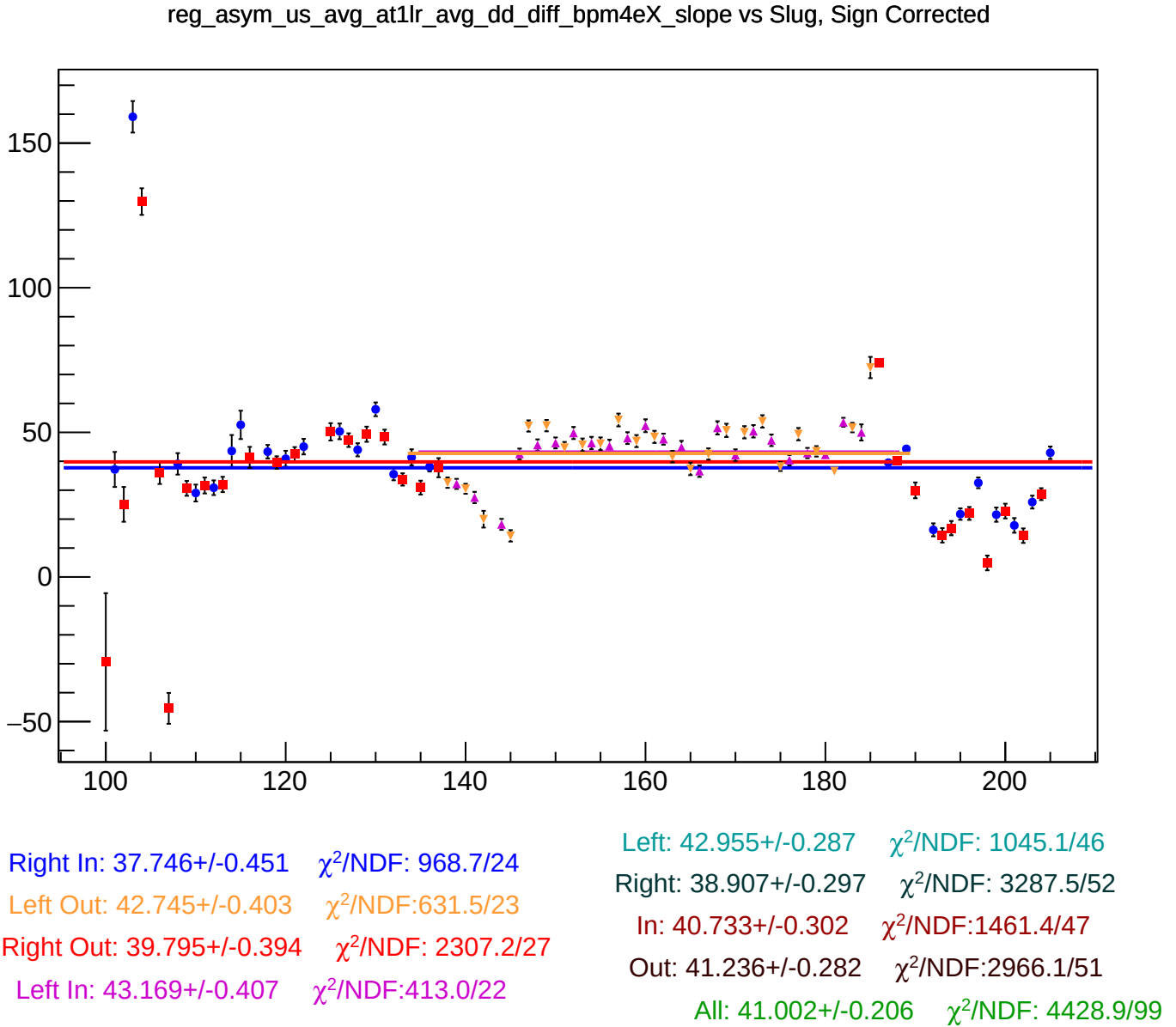
Left: -7.324+/-0.221 χ^2/NDF: 310.2/46

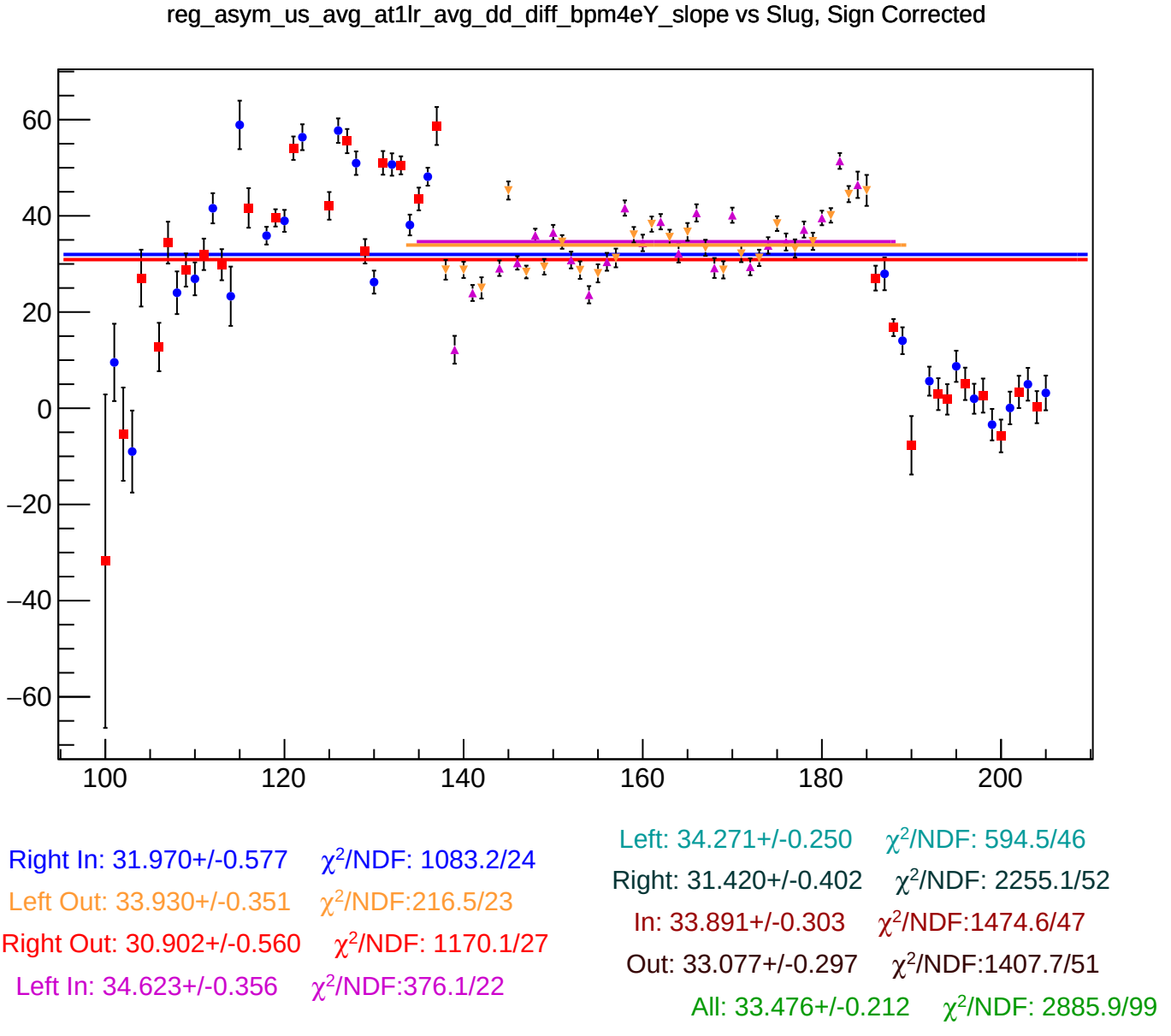
Right: -5.062+/-0.338 χ^2/NDF: 1266.1/52

In: -6.907+/-0.265 χ^2/NDF:847.9/47

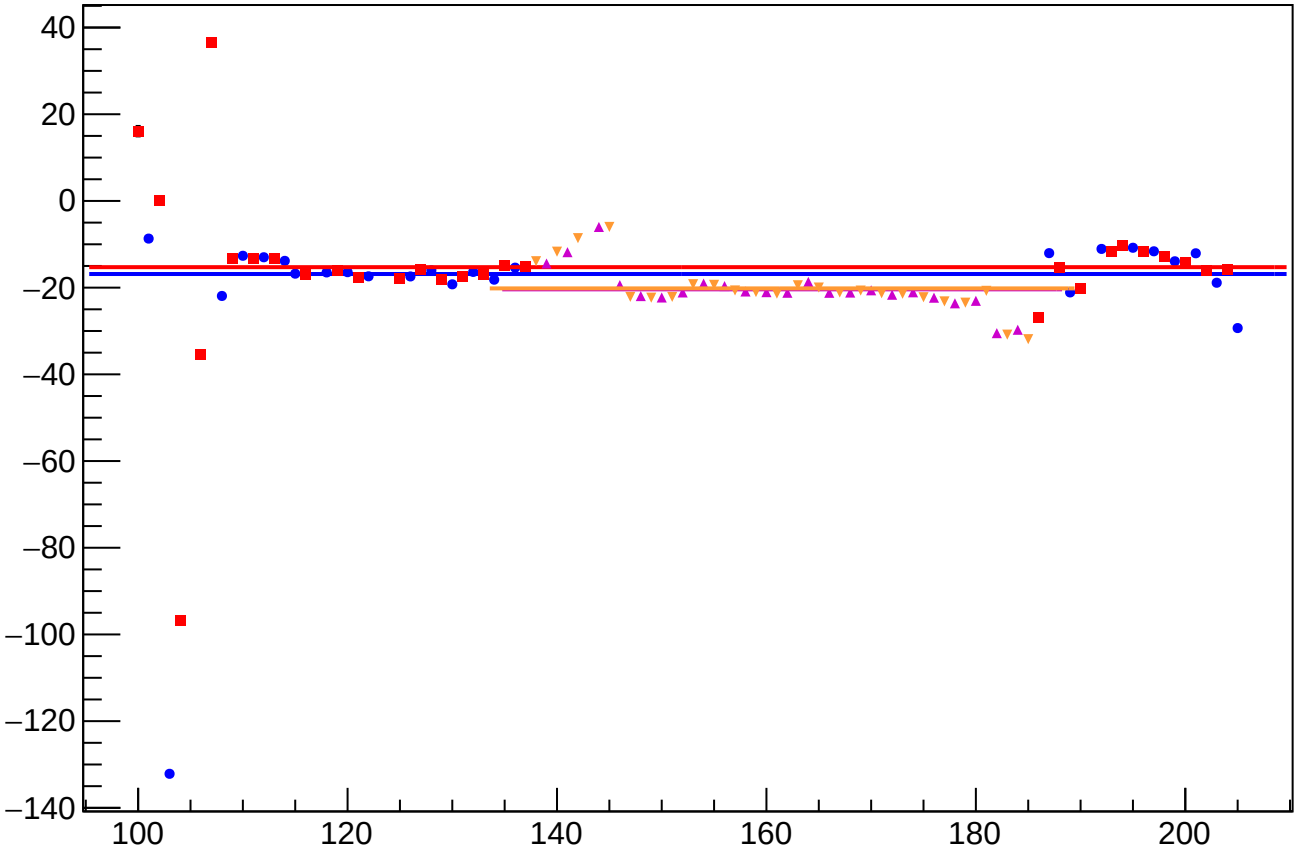
Out: -6.403+/-0.257 χ^2/NDF:758.0/51

All: -6.647+/-0.185 χ^2/NDF: 1607.7/99


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected
150
100
50
0
−50
100
120
140
160
180
200
Right In: 37.746+/-0.451 χ²/NDF: 968.7/24
Left Out: 42.745+/-0.403 χ²/NDF:631.5/23
Right Out: 39.795+/-0.394 χ²/NDF: 2307.2/27
Left In: 43.169+/-0.407 χ²/NDF:413.0/22
Left: 42.955+/-0.287 χ²/NDF: 1045.1/46
Right: 38.907+/-0.297 χ²/NDF: 3287.5/52
In: 40.733+/-0.302 χ²/NDF:1461.4/47
Out: 41.236+/-0.282 χ²/NDF:2966.1/51
All: 41.002+/-0.206 χ²/NDF: 4428.9/99


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
Right In: 31.970+/-0.577 χ²/NDF: 1083.2/24
Left Out: 33.930+/-0.351 χ²/NDF:216.5/23
Right Out: 30.902+/-0.560 χ²/NDF: 1170.1/27
Left In: 34.623+/-0.356 χ²/NDF:376.1/22
Left: 34.271+/-0.250 χ²/NDF: 594.5/46
Right: 31.420+/-0.402 χ²/NDF: 2255.1/52
In: 33.891+/-0.303 χ²/NDF:1474.6/47
Out: 33.077+/-0.297 χ²/NDF:1407.7/51
All: 33.476+/-0.212 χ²/NDF: 2885.9/99

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -16.857+/-0.028 χ^2/NDF: 272314.3/24

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -15.275+/-0.027 χ^2/NDF: 217366.5/27

Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

Left: -20.285+/-0.011 χ^2/NDF: 181200.8/46

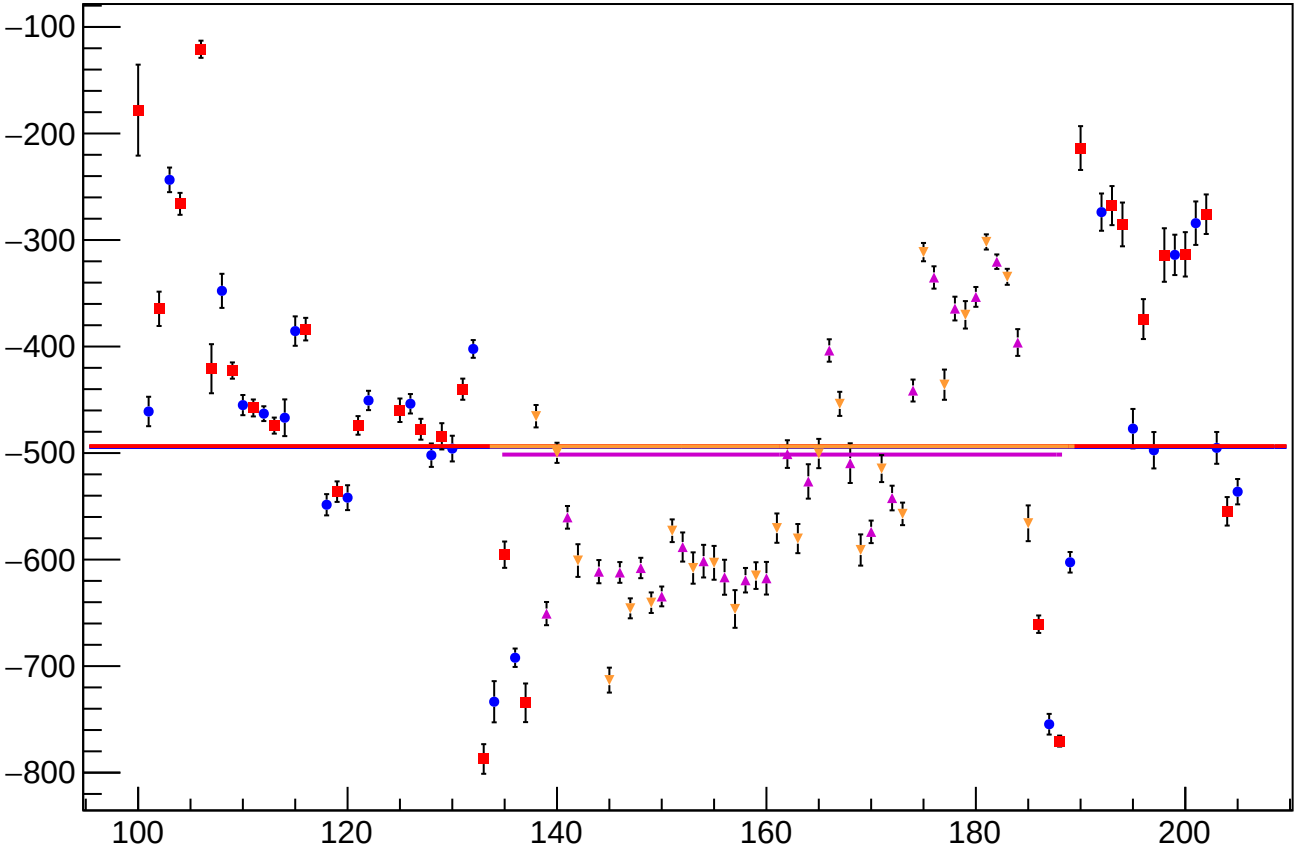
Right: -16.046+/-0.020 χ^2/NDF: 491304.7/52

In: -19.547+/-0.014 χ^2/NDF:365532.2/47

Out: -18.955+/-0.014 χ^2/NDF:341318.9/51

All: -19.249+/-0.010 χ^2/NDF: 707783.6/99

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -494.290+/-2.283 χ^2/NDF: 2766.0/24

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

Right Out: -493.440+/-2.041 χ^2/NDF: 7791.1/27

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

Left: -497.555+/-1.627 χ^2/NDF: 5844.9/46

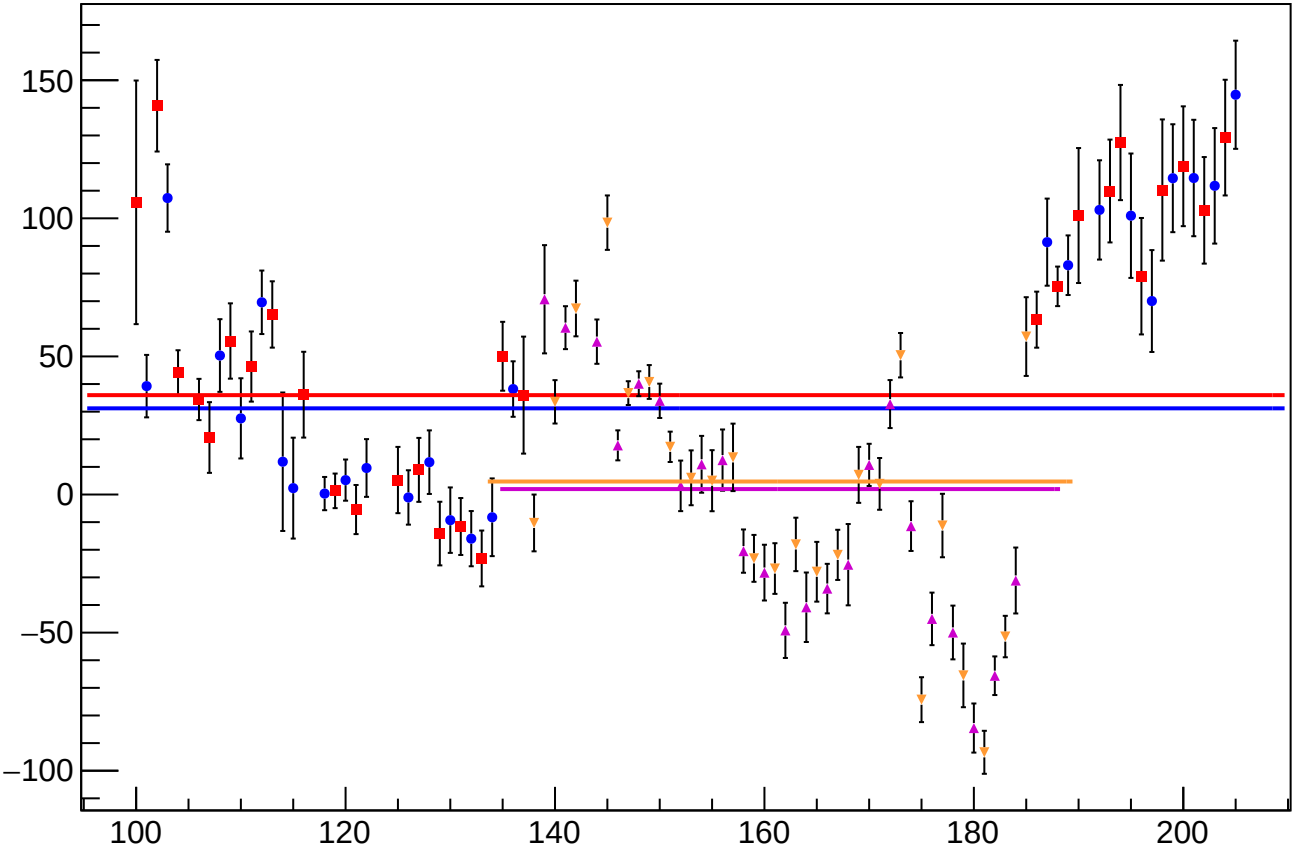
Right: -493.817+/-1.522 χ^2/NDF: 10557.2/52

In: -497.821+/-1.622 χ^2/NDF:5460.1/47

Out: -493.564+/-1.525 χ^2/NDF:10941.1/51

All: -495.561+/-1.111 χ^2/NDF: 16404.9/99

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 31.204+/-2.409 χ^2/NDF: 304.4/24

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

Right Out: 35.981+/-2.231 χ^2/NDF: 332.3/27

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

Left: 3.360+/-1.208 χ^2/NDF: 1242.4/46

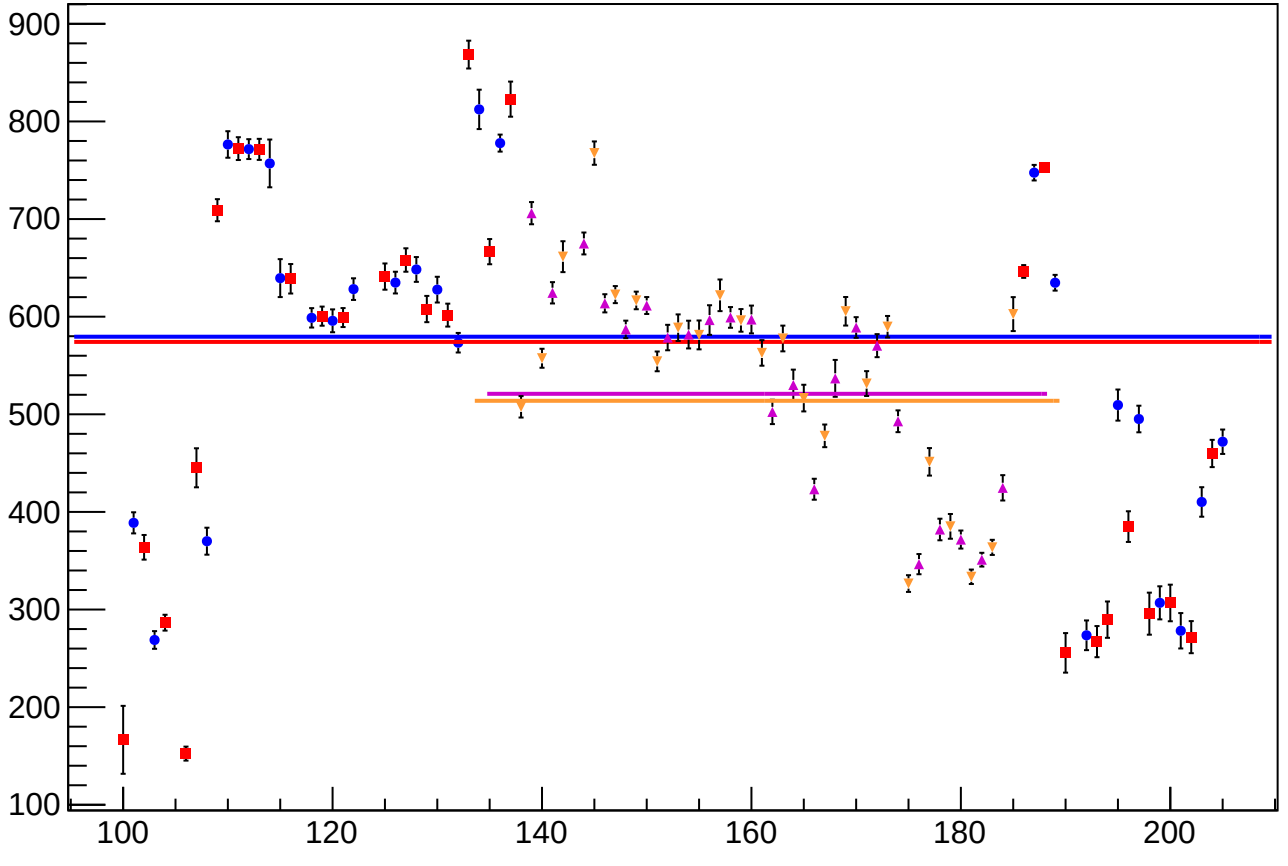
Right: 33.776+/-1.637 χ^2/NDF: 638.9/52

In: 11.855+/-1.401 χ^2/NDF:962.7/47

Out: 16.161+/-1.350 χ^2/NDF:1137.2/51

All: 14.088+/-0.972 χ^2/NDF: 2104.8/99

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 579.478+/-2.367 χ^2/NDF: 4776.6/24

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 574.158+/-2.036 χ^2/NDF: 10470.1/27

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

Left: 517.401+/-1.612 χ^2/NDF: 5183.2/46

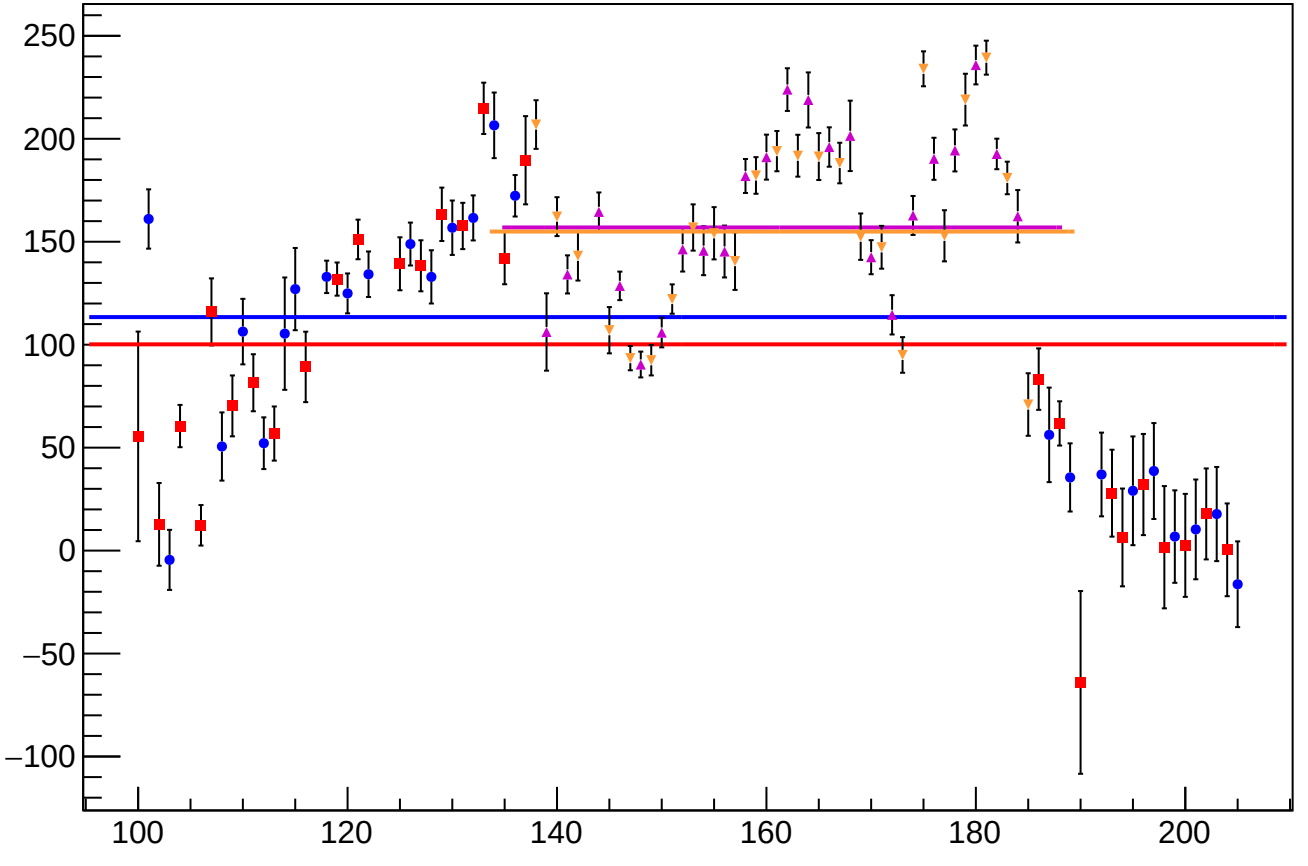
Right: 576.421+/-1.543 χ^2/NDF: 15249.6/52

In: 549.187+/-1.643 χ^2/NDF:7535.7/47

Out: 547.355+/-1.518 χ^2/NDF:13595.7/51

All: 548.198+/-1.115 χ^2/NDF: 21132.1/99

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 113.401+/-2.834 χ^2/NDF: 398.8/24

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

Right Out: 100.173+/-2.682 χ^2/NDF: 480.2/27

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

Left: 155.930+/-1.387 χ^2/NDF: 1052.7/46

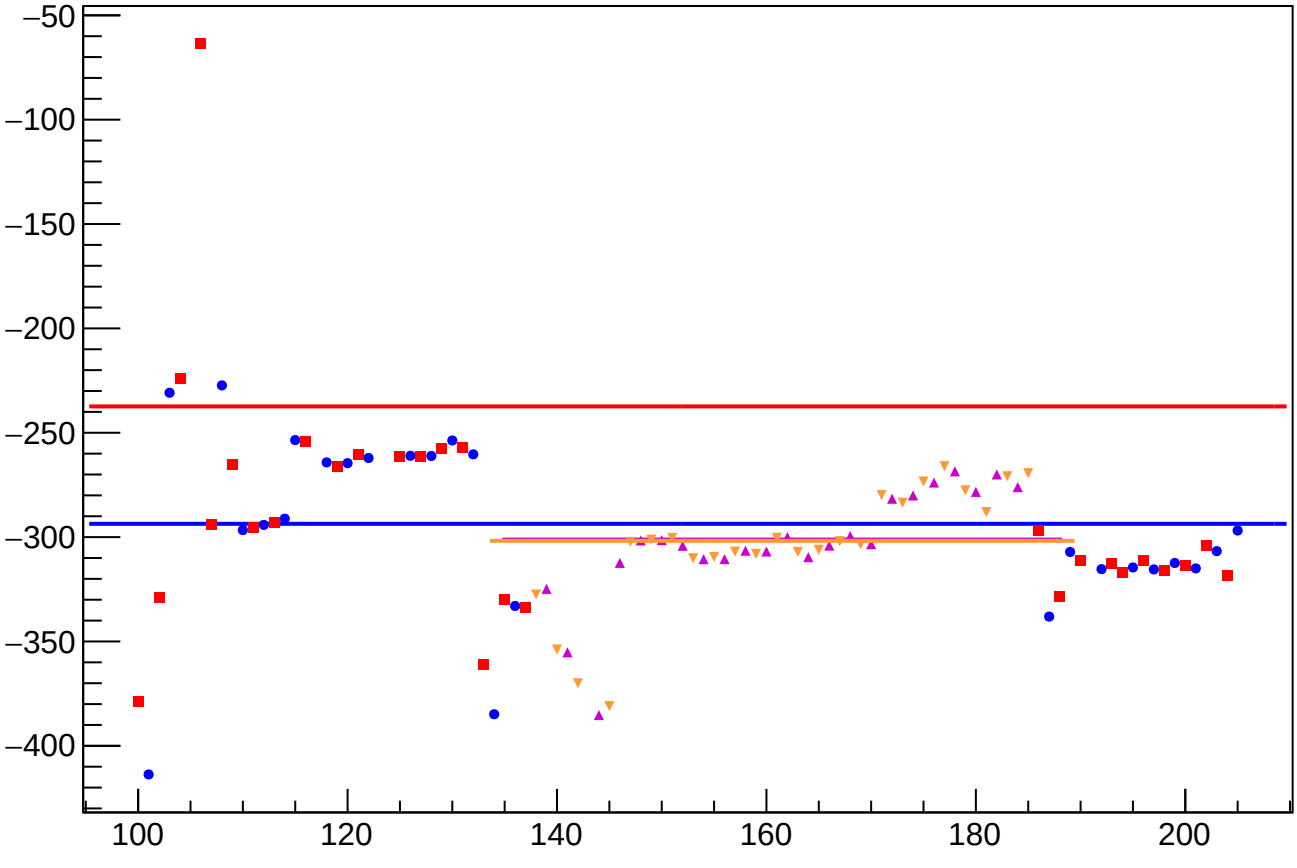
Right: 106.424+/-1.948 χ^2/NDF: 890.4/52

In: 142.740+/-1.618 χ^2/NDF:1001.0/47

Out: 135.967+/-1.579 χ^2/NDF:1361.7/51

All: 139.270+/-1.130 χ^2/NDF: 2371.6/99

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -293.623+/-0.147 χ^2/NDF: 112997.2/24

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -237.385+/-0.127 χ^2/NDF: 679762.9/27

Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

Left: -301.478+/-0.064 χ^2/NDF: 162067.4/46

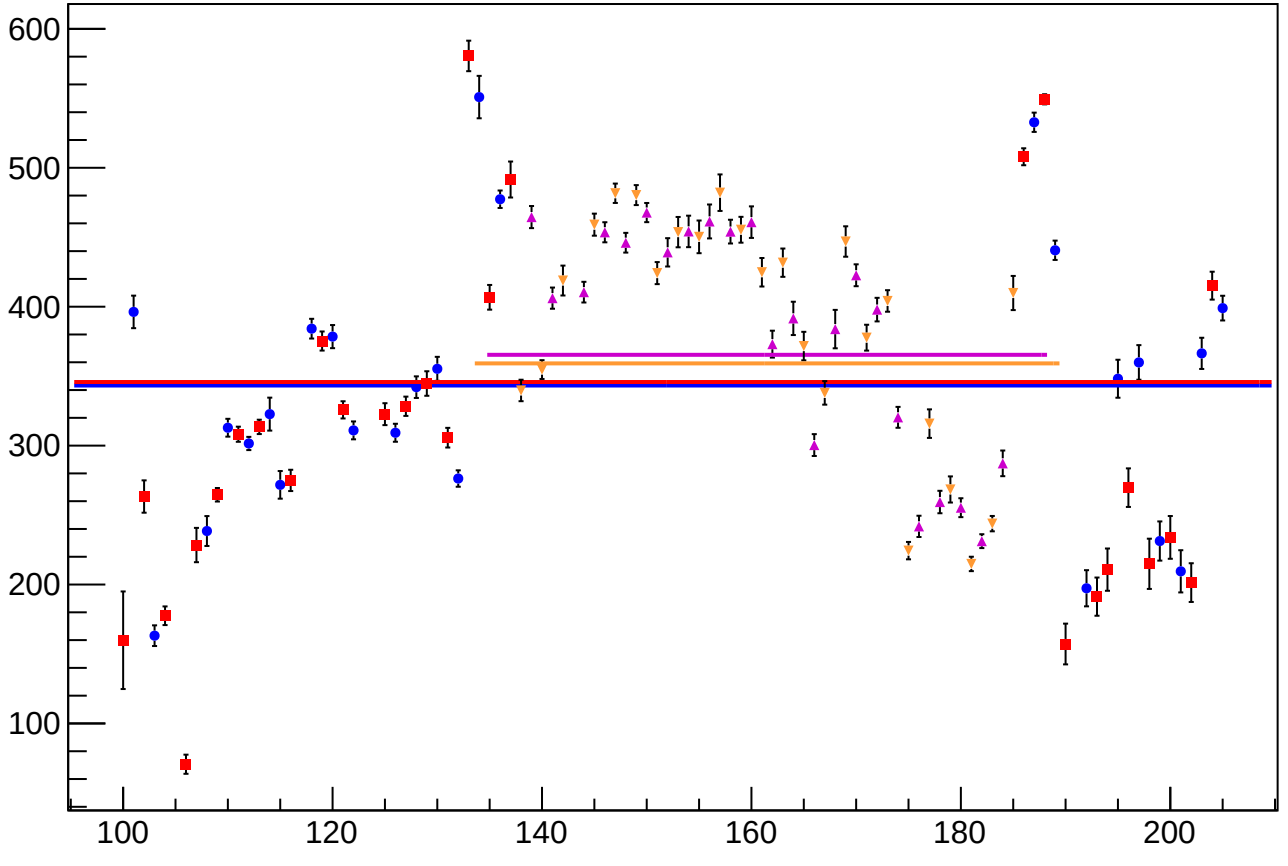
Right: -261.396+/-0.096 χ^2/NDF: 877074.6/52

In: -299.108+/-0.077 χ^2/NDF:190249.8/47

Out: -279.902+/-0.074 χ^2/NDF:937451.1/51

All: -289.129+/-0.053 χ^2/NDF: 1160265.2/99

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 343.274+/-1.624 χ^2/NDF: 2982.2/24

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

Right Out: 345.789+/-1.449 χ^2/NDF: 8026.0/27

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

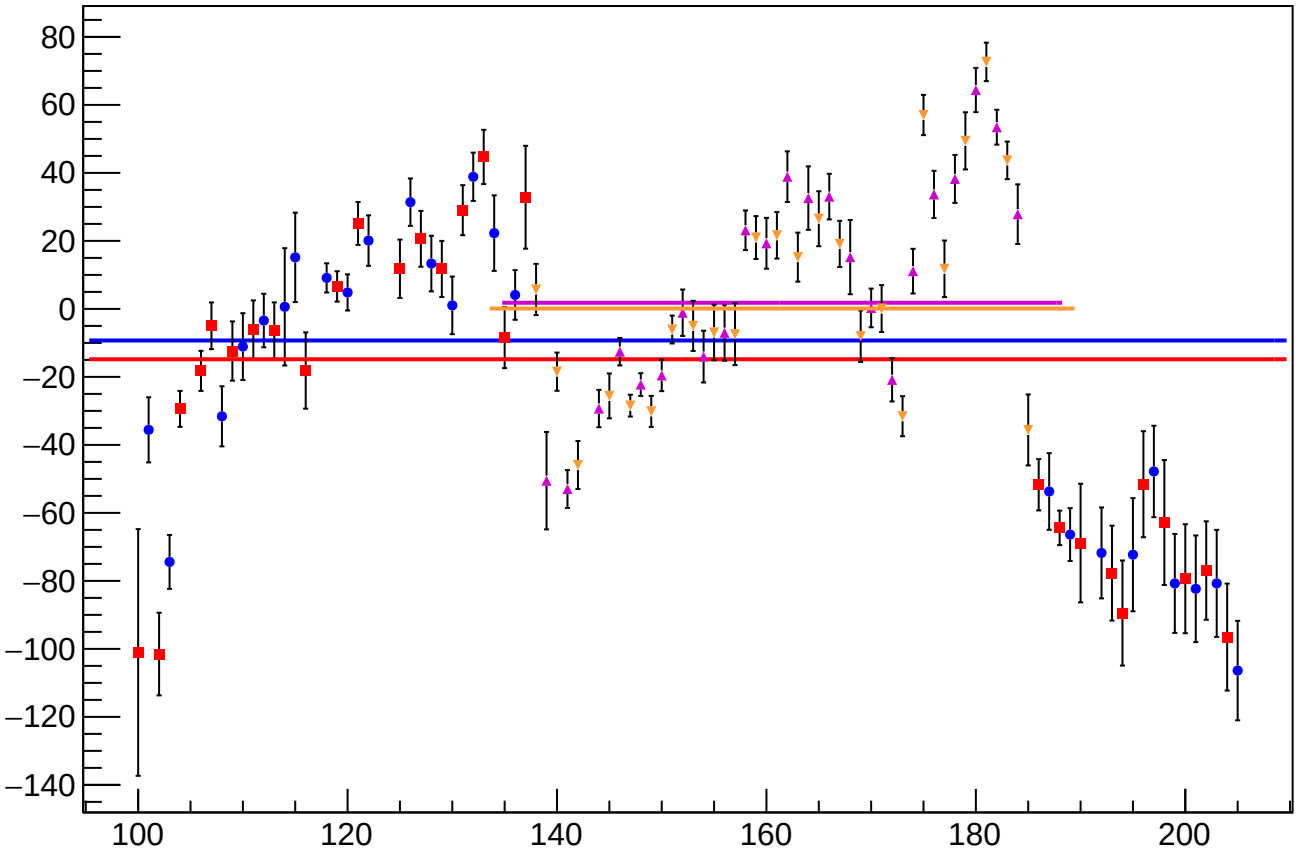
Left: 362.254+/-1.193 χ^2/NDF: 5934.1/46

Right: 344.674+/-1.081 χ^2/NDF: 11009.5/52

In: 353.862+/-1.172 χ^2/NDF:5810.4/47

Out: 351.502+/-1.098 χ^2/NDF:11250.3/51

All: 352.605+/-0.801 χ^2/NDF: 17062.9/99



Right In: -9.284+/-1.725 χ^2/NDF: 451.6/24

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

Right Out: -14.806+/-1.580 χ^2/NDF: 518.6/27

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

Left: 0.950+/-0.889 χ^2/NDF: 1215.9/46

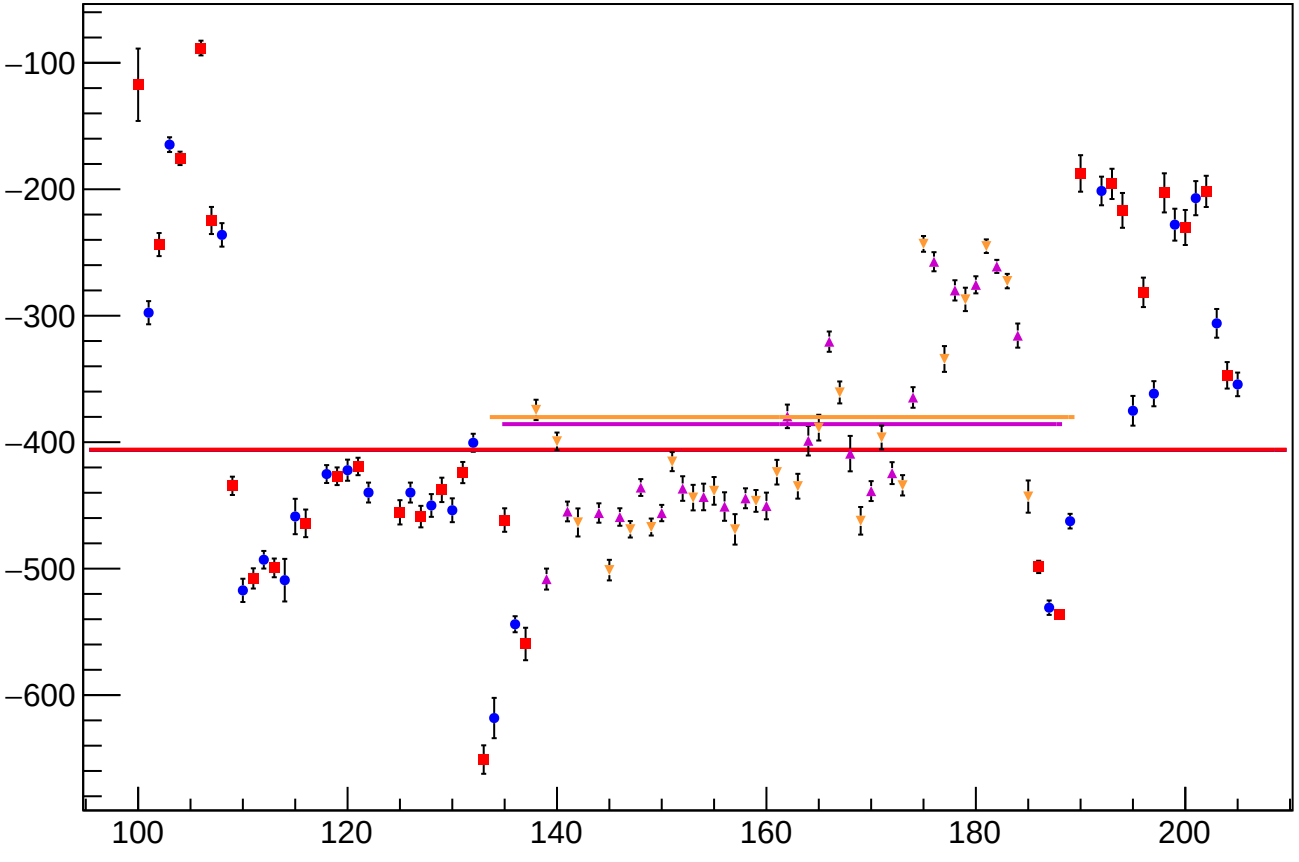
Right: -12.287+/-1.165 χ^2/NDF: 975.8/52

In: -2.075+/-1.021 χ^2/NDF:1055.5/47

Out: -5.611+/-0.979 χ^2/NDF:1211.5/51

All: -3.918+/-0.707 χ^2/NDF: 2273.2/99

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -406.130+/-1.692 χ^2/NDF: 4734.5/24

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

Right Out: -405.940+/-1.454 χ^2/NDF: 10504.6/27

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

Left: -382.922+/-1.183 χ^2/NDF: 4985.4/46

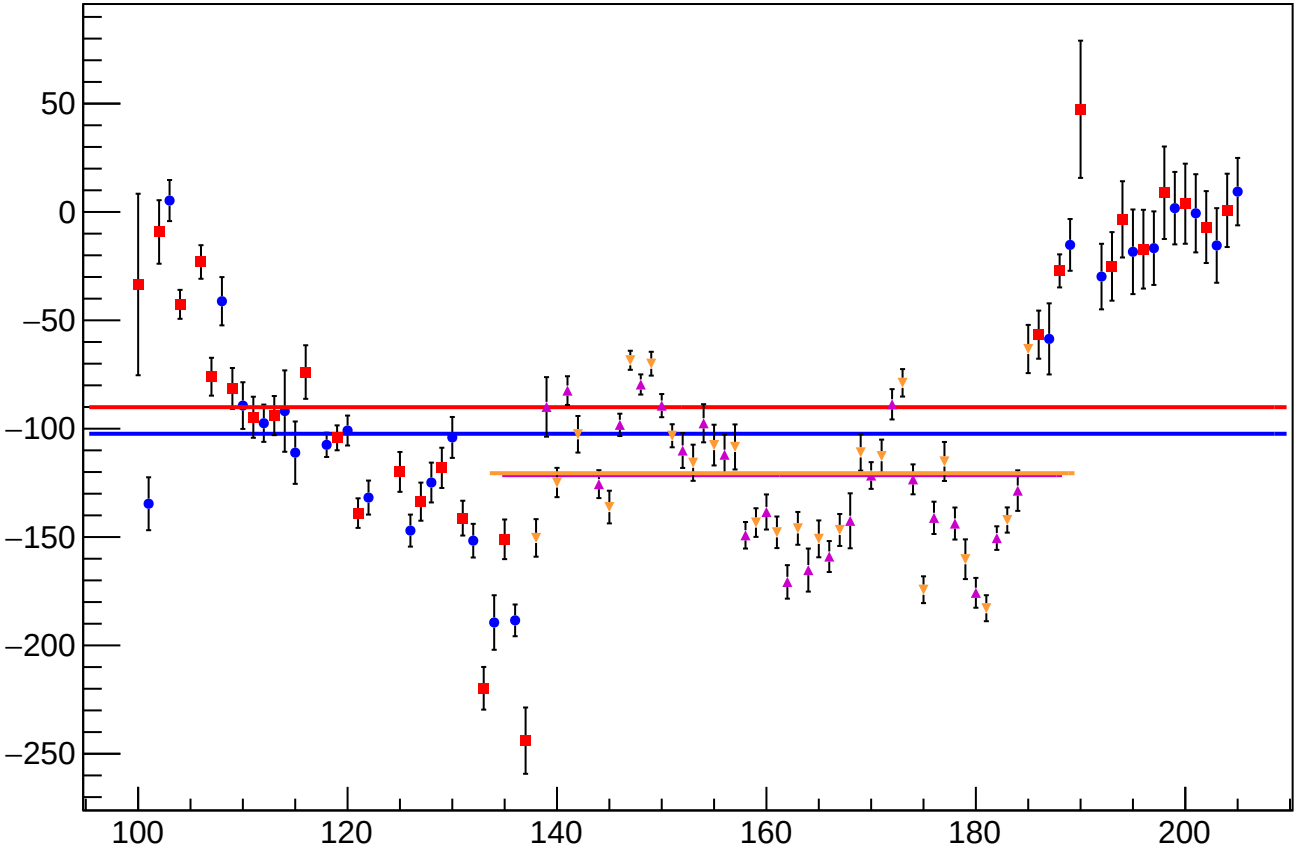
Right: -406.021+/-1.103 χ^2/NDF: 15239.1/52

In: -395.835+/-1.191 χ^2/NDF:7169.1/47

Out: -394.817+/-1.096 χ^2/NDF:13259.0/51

All: -395.284+/-0.807 χ^2/NDF: 20428.5/99

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -102.343+/-2.029 χ^2/NDF: 727.5/24

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

Right Out: -90.082+/-1.898 χ^2/NDF: 878.9/27

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

Left: -120.992+/-1.020 χ^2/NDF: 1044.3/46

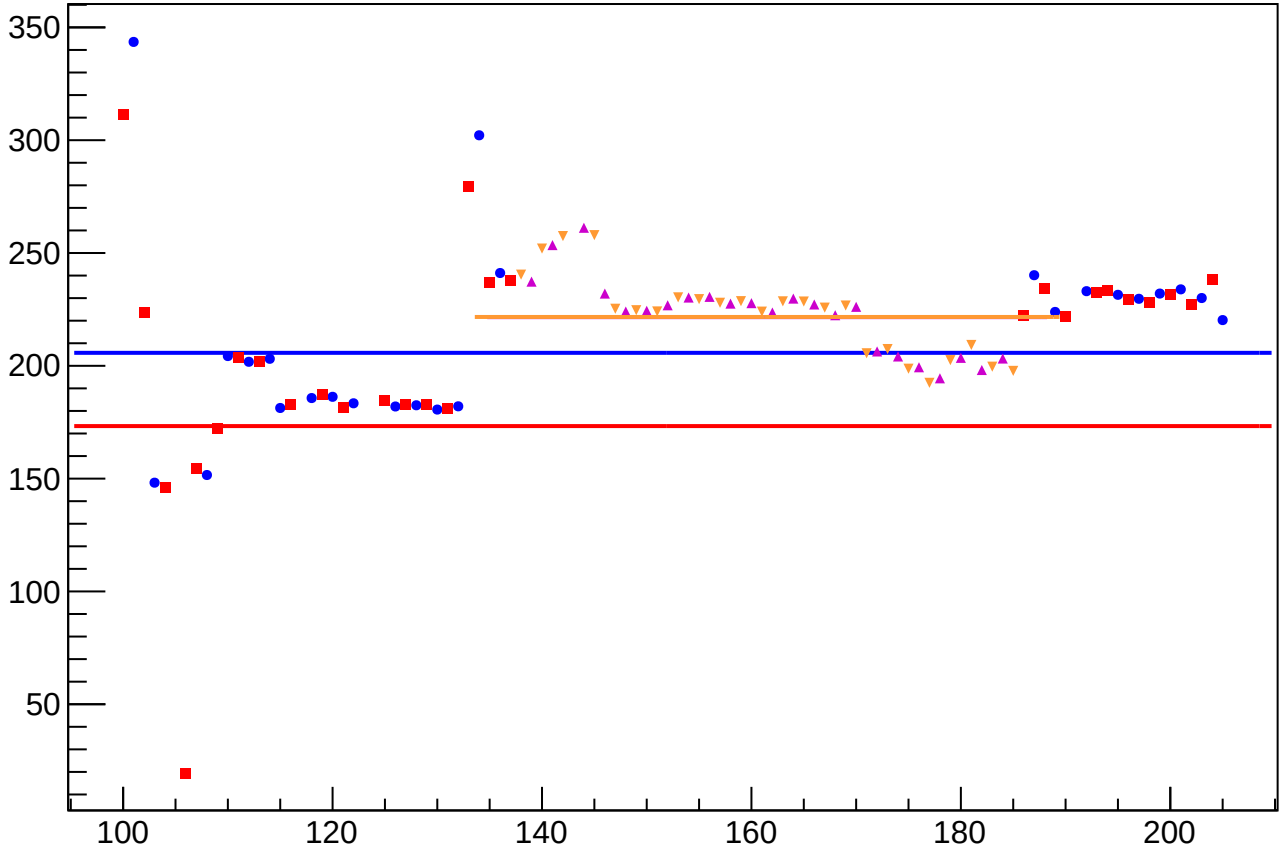
Right: -95.805+/-1.386 χ^2/NDF: 1625.9/52

In: -114.992+/-1.179 χ^2/NDF:1218.9/47

Out: -109.460+/-1.145 χ^2/NDF:1654.3/51

All: -112.144+/-0.821 χ^2/NDF: 2884.5/99

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 205.757+/-0.105 χ^2/NDF: 201098.4/24

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 173.287+/-0.094 χ^2/NDF: 647247.7/27

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

Left: 221.612+/-0.047 χ^2/NDF: 129335.7/46

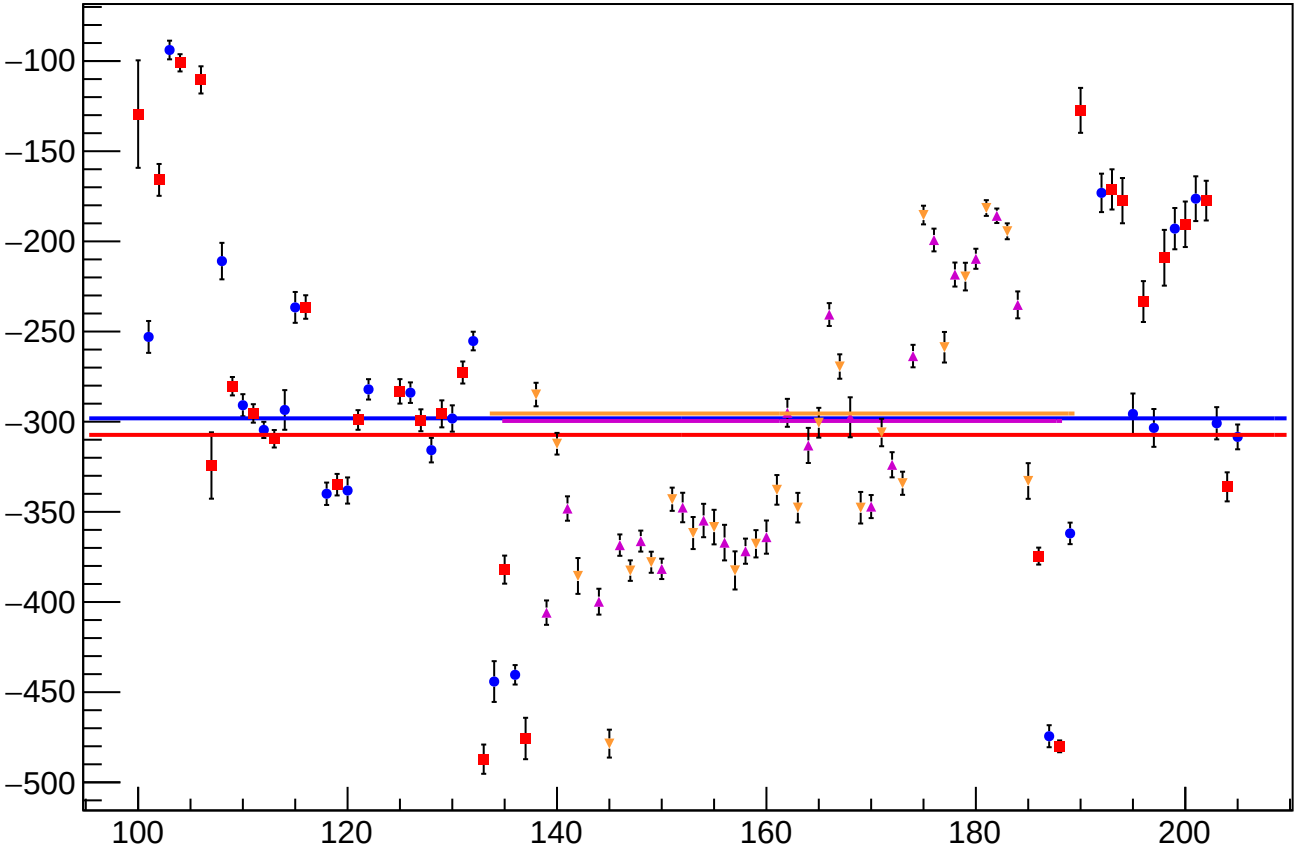
Right: 187.714+/-0.070 χ^2/NDF: 901886.3/52

In: 217.049+/-0.056 χ^2/NDF:279544.0/47

Out: 205.357+/-0.054 χ^2/NDF:891730.7/51

All: 211.028+/-0.039 χ^2/NDF: 1193768.8/99

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -298.142+/-1.395 χ^2/NDF: 4009.2/24

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -307.315+/-1.274 χ^2/NDF: 7626.3/27

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

Left: -297.520+/-0.986 χ^2/NDF: 6322.4/46

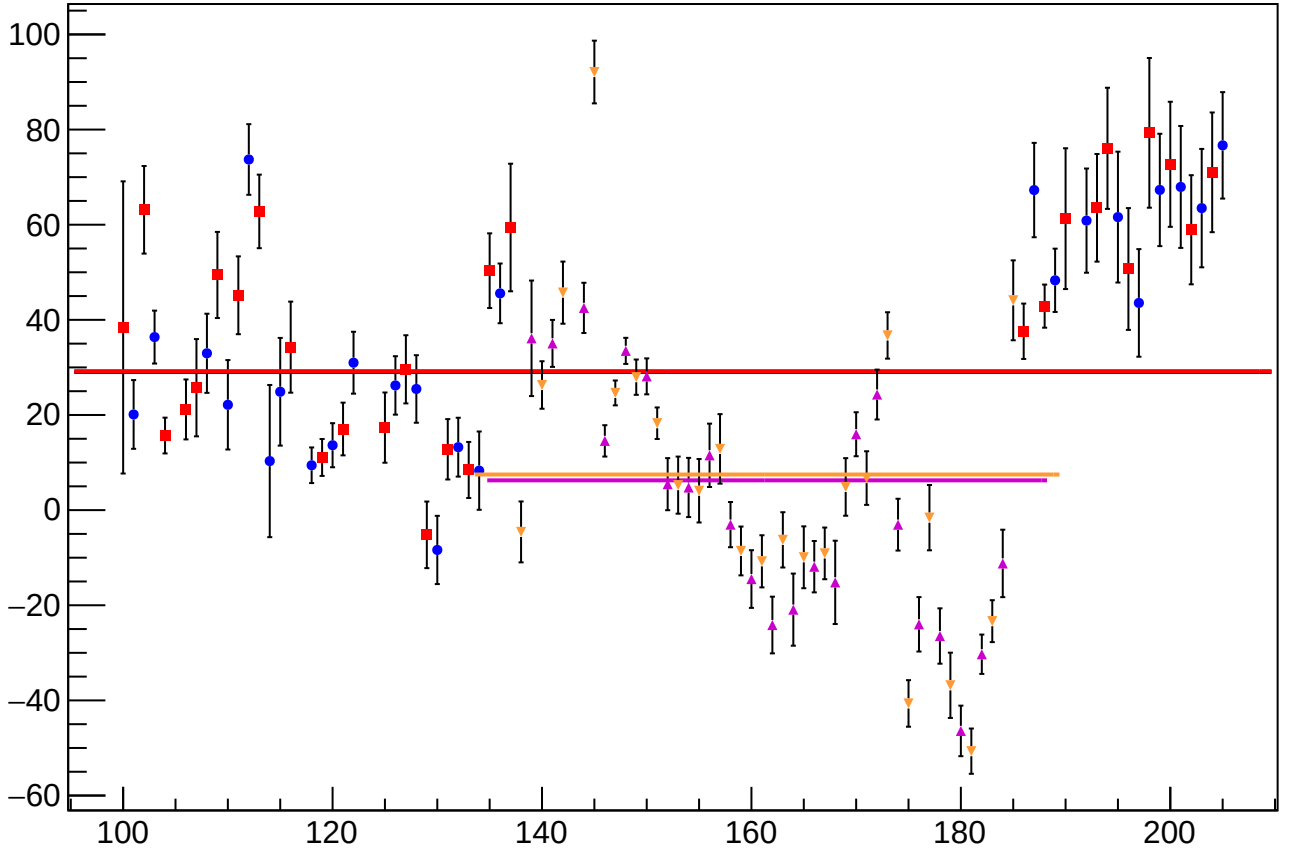
Right: -303.146+/-0.941 χ^2/NDF: 11659.1/52

In: -298.864+/-0.987 χ^2/NDF:6981.5/47

Out: -301.918+/-0.940 χ^2/NDF:11012.0/51

All: -300.466+/-0.681 χ^2/NDF: 17998.5/99

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 29.032+/-1.470 χ^2/NDF: 212.2/24

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 29.213+/-1.370 χ^2/NDF: 221.4/27

Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

Left: 6.881+/-0.733 χ^2/NDF: 1298.6/46

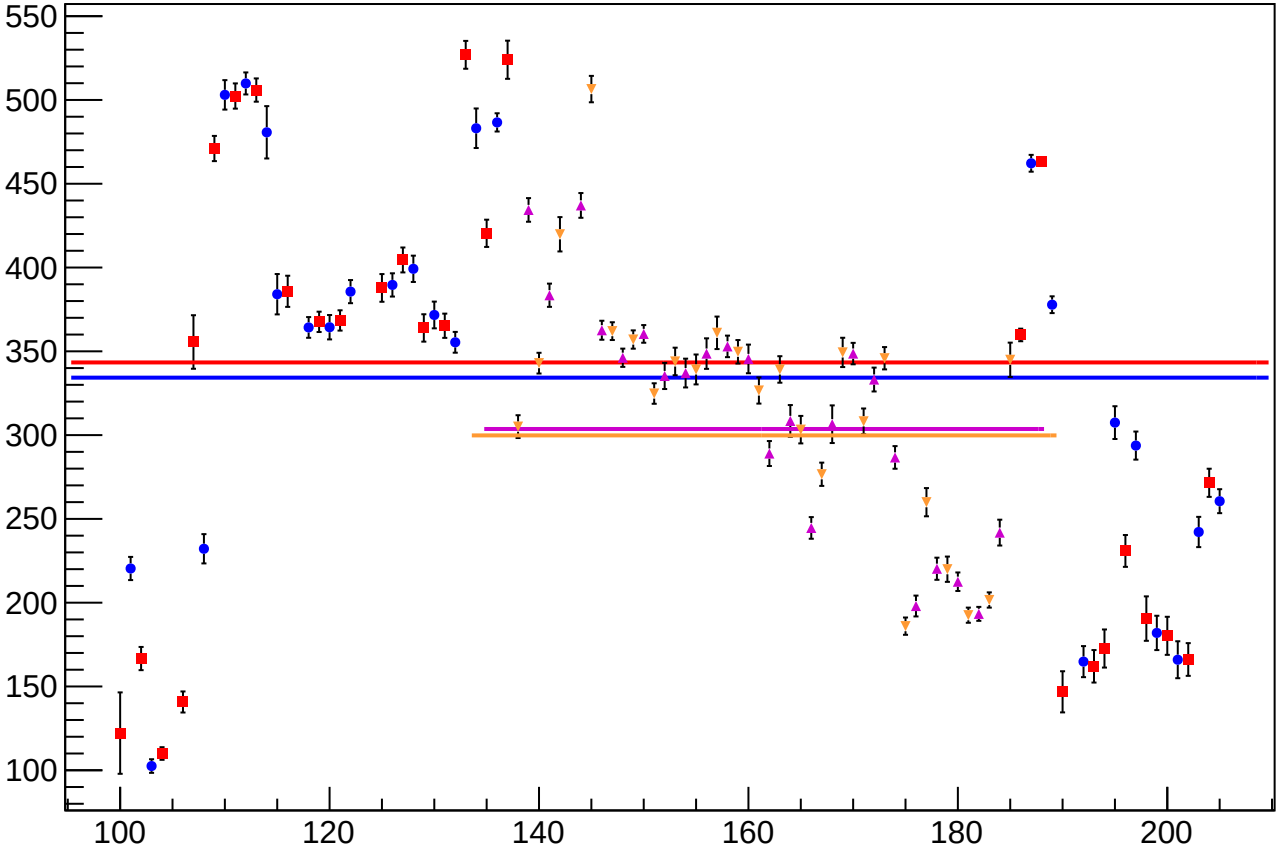
Right: 29.129+/-1.003 χ^2/NDF: 433.7/52

In: 13.902+/-0.852 χ^2/NDF:931.0/47

Out: 15.324+/-0.823 χ^2/NDF:1120.6/51

All: 14.637+/-0.592 χ^2/NDF: 2053.0/99

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 334.291+/-1.425 χ^2/NDF: 7804.8/24

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 343.364+/-1.252 χ^2/NDF: 11692.1/27

Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

Left: 301.736+/-0.977 χ^2/NDF: 5952.5/46

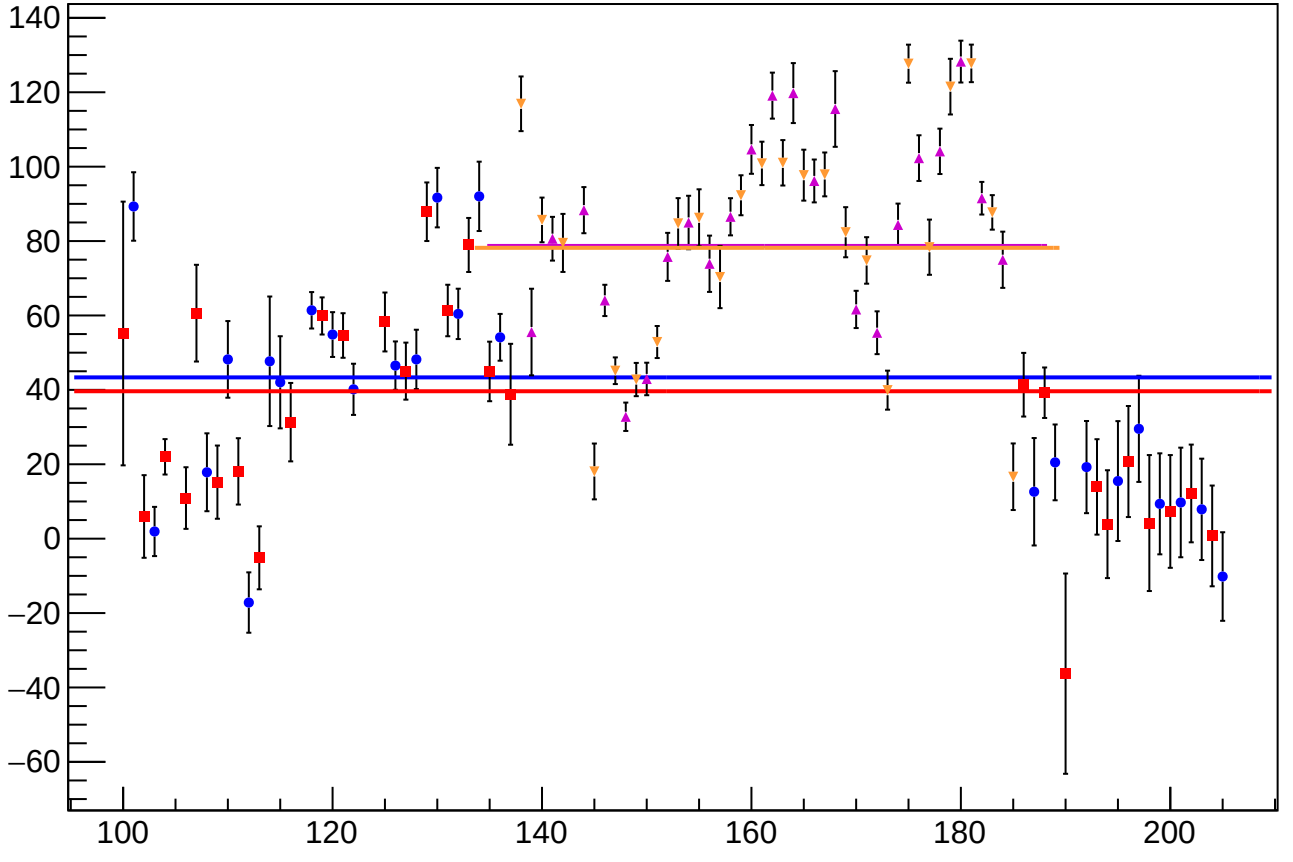
Right: 339.409+/-0.941 χ^2/NDF: 19519.7/52

In: 318.513+/-0.992 χ^2/NDF:10915.6/47

Out: 323.717+/-0.928 χ^2/NDF:15313.6/51

All: 321.289+/-0.678 χ^2/NDF: 26243.8/99

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 43.355+/-1.729 χ^2/NDF: 272.9/24

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

Right Out: 39.630+/-1.648 χ^2/NDF: 224.8/27

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

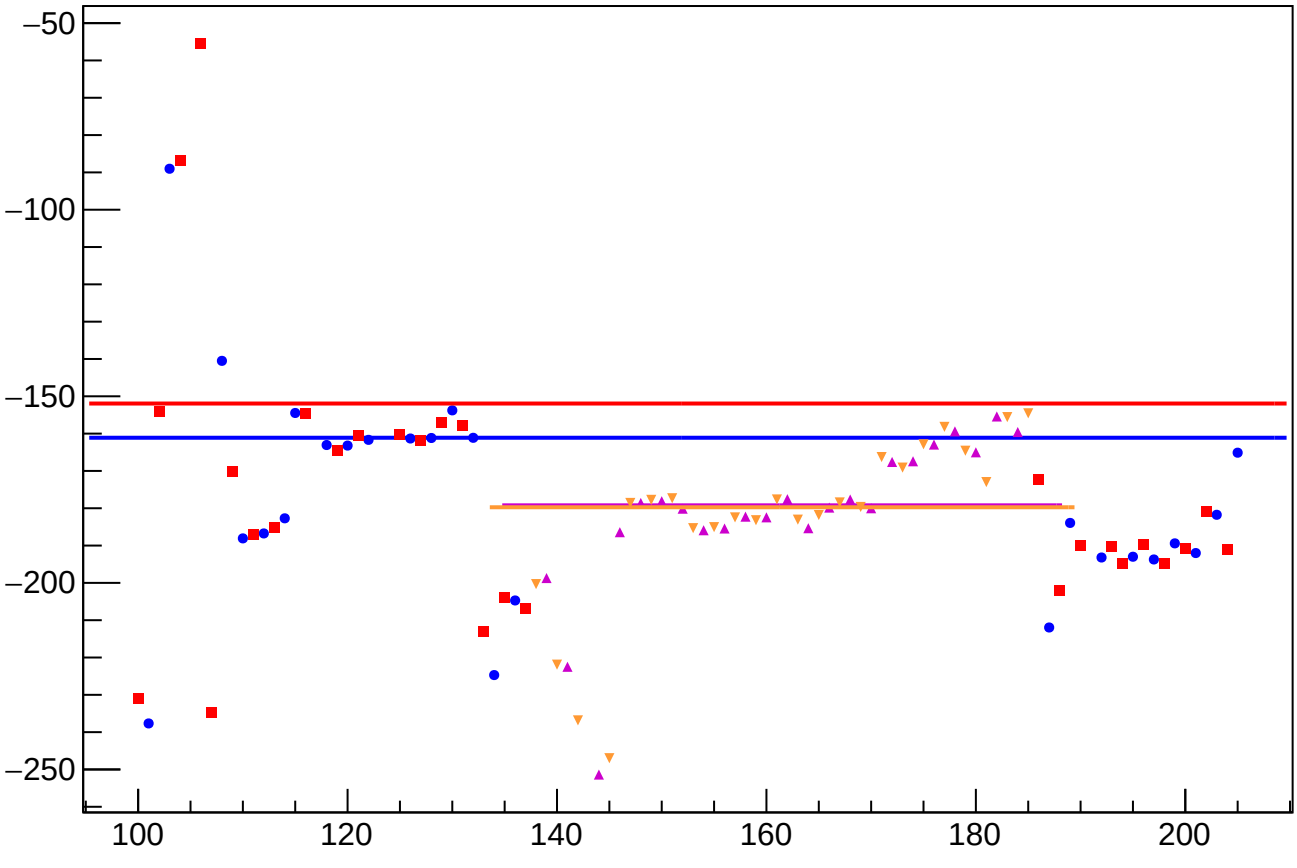
Left: 78.433+/-0.841 χ^2/NDF: 1152.0/46

Right: 41.403+/-1.193 χ^2/NDF: 500.1/52

In: 67.271+/-0.983 χ^2/NDF:1044.0/47

Out: 65.052+/-0.962 χ^2/NDF:1248.9/51

All: 66.137+/-0.688 χ^2/NDF: 2295.5/99



Right In: -161.106+/-0.085 χ^2/NDF: 303550.9/24

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -151.937+/-0.081 χ^2/NDF: 418114.4/27

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

Left: -179.476+/-0.039 χ^2/NDF: 245767.0/46

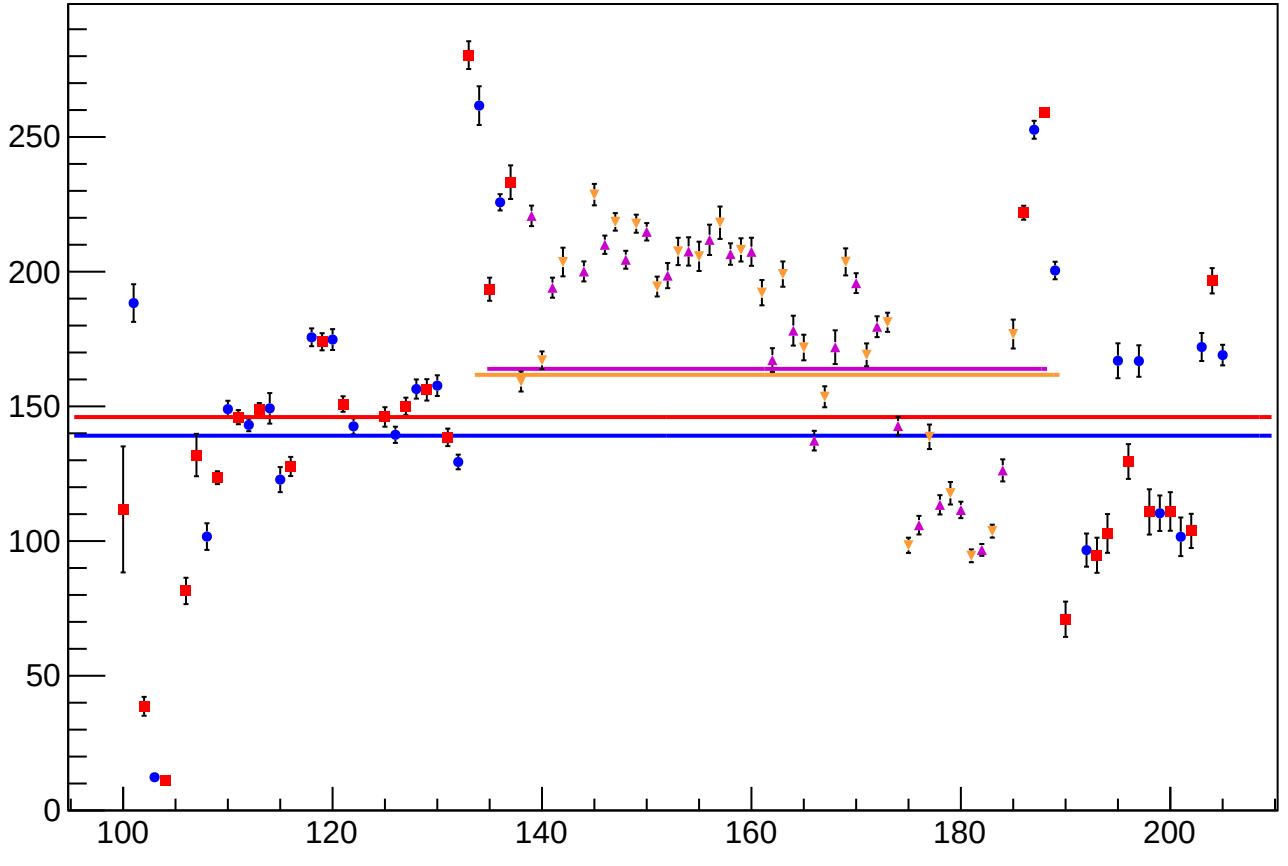
Right: -156.299+/-0.058 χ^2/NDF: 727798.1/52

In: -173.920+/-0.046 χ^2/NDF:449369.5/47

Out: -170.928+/-0.045 χ^2/NDF:631287.2/51

All: -172.411+/-0.032 χ^2/NDF: 1082804.5/99

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 139.113+/-0.719 χ^2/NDF: 8140.4/24

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 146.035+/-0.655 χ^2/NDF: 13214.0/27

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

Left: 162.813+/-0.550 χ^2/NDF: 6926.9/46

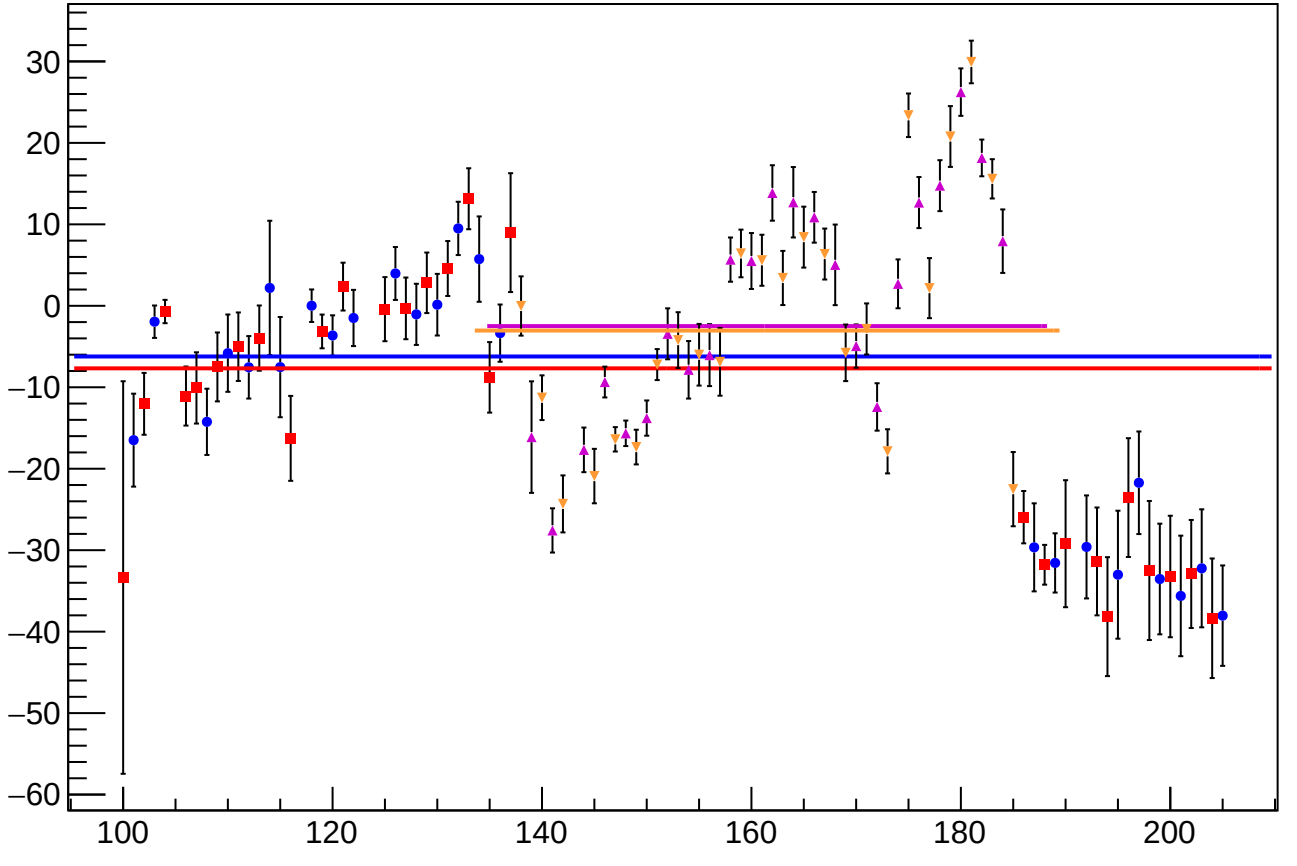
Right: 142.899+/-0.484 χ^2/NDF: 21405.0/52

In: 150.528+/-0.529 χ^2/NDF:12023.4/47

Out: 152.550+/-0.500 χ^2/NDF:17039.5/51

All: 151.594+/-0.363 χ^2/NDF: 29070.7/99

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -6.222+/-0.766 χ^2/NDF: 239.4/24

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

Right Out: -7.678+/-0.690 χ^2/NDF: 337.0/27

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

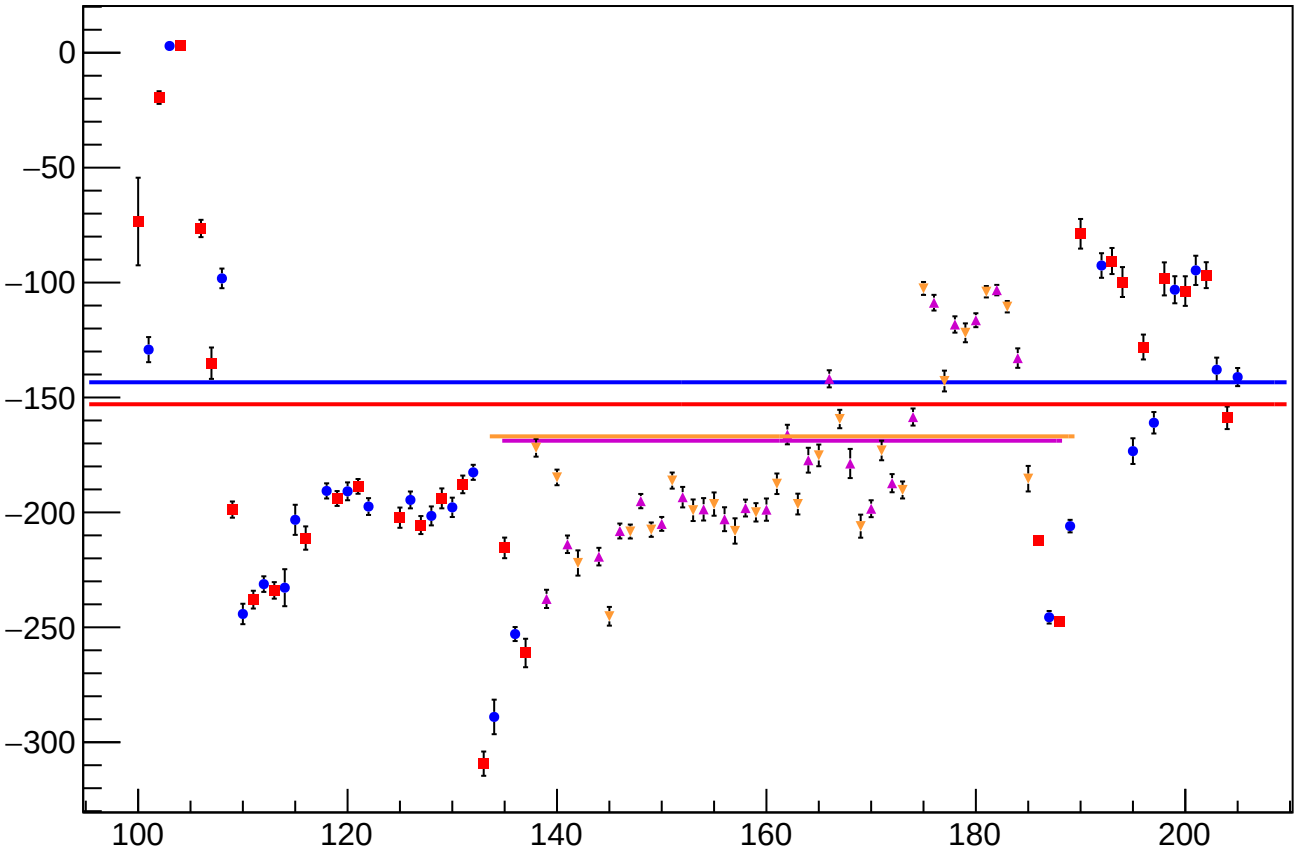
Left: -2.769+/-0.412 χ^2/NDF: 1217.8/46

Right: -7.026+/-0.513 χ^2/NDF: 578.5/52

In: -3.871+/-0.466 χ^2/NDF:817.3/47

Out: -4.952+/-0.443 χ^2/NDF:1018.1/51

All: -4.439+/-0.321 χ^2/NDF: 1838.2/99



Right In: -143.383+/-0.720 χ^2/NDF: 17123.3/24

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -152.947+/-0.636 χ^2/NDF: 23747.8/27

Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

Left: -167.859+/-0.546 χ^2/NDF: 6158.8/46

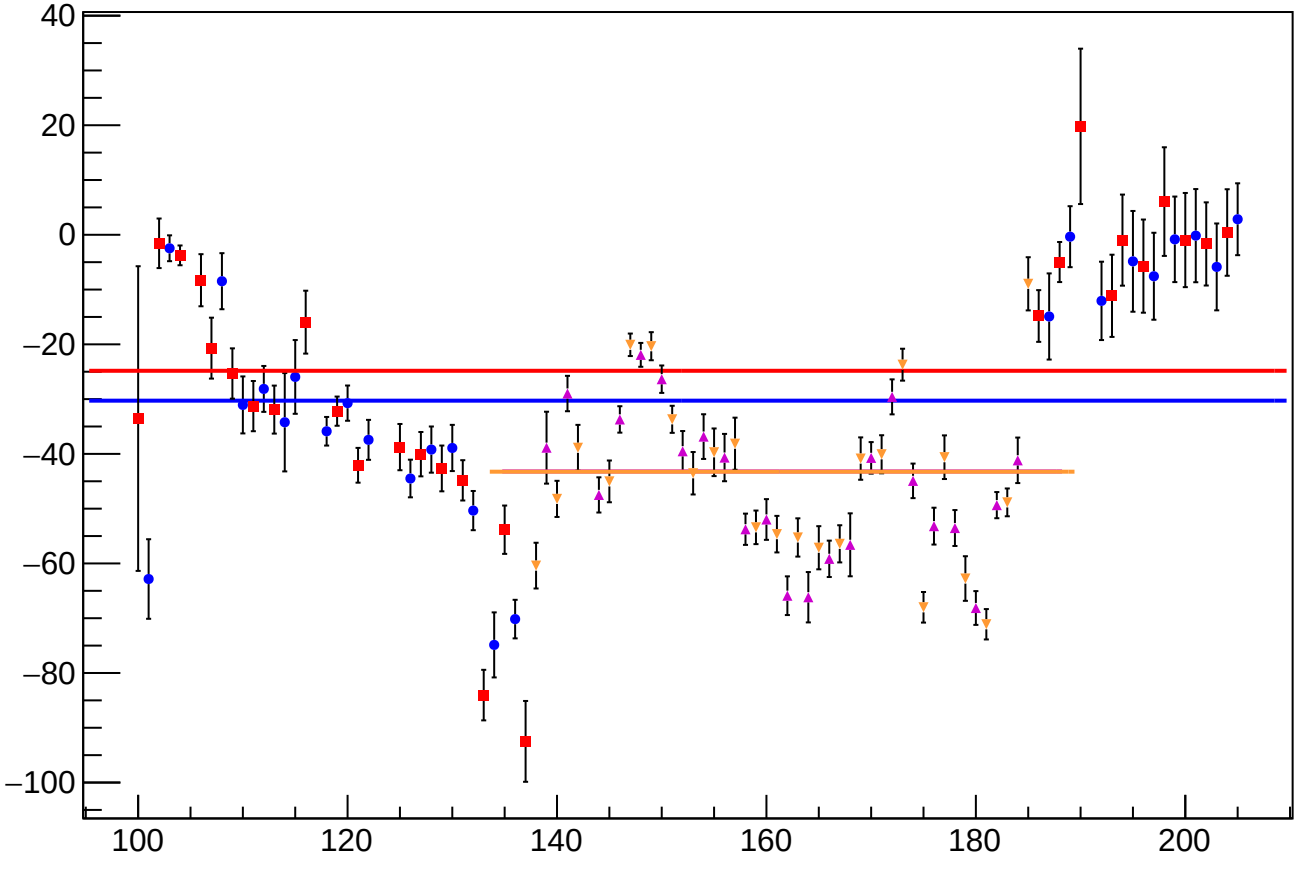
Right: -148.756+/-0.476 χ^2/NDF: 40970.4/52

In: -155.199+/-0.527 χ^2/NDF:20762.9/47

Out: -158.599+/-0.490 χ^2/NDF:27039.4/51

All: -157.020+/-0.359 χ^2/NDF: 47824.7/99

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -30.284+/-0.901 χ^2/NDF: 545.3/24

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

Right Out: -24.828+/-0.832 χ^2/NDF: 681.7/27

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

Left: -43.229+/-0.472 χ^2/NDF: 1016.0/46

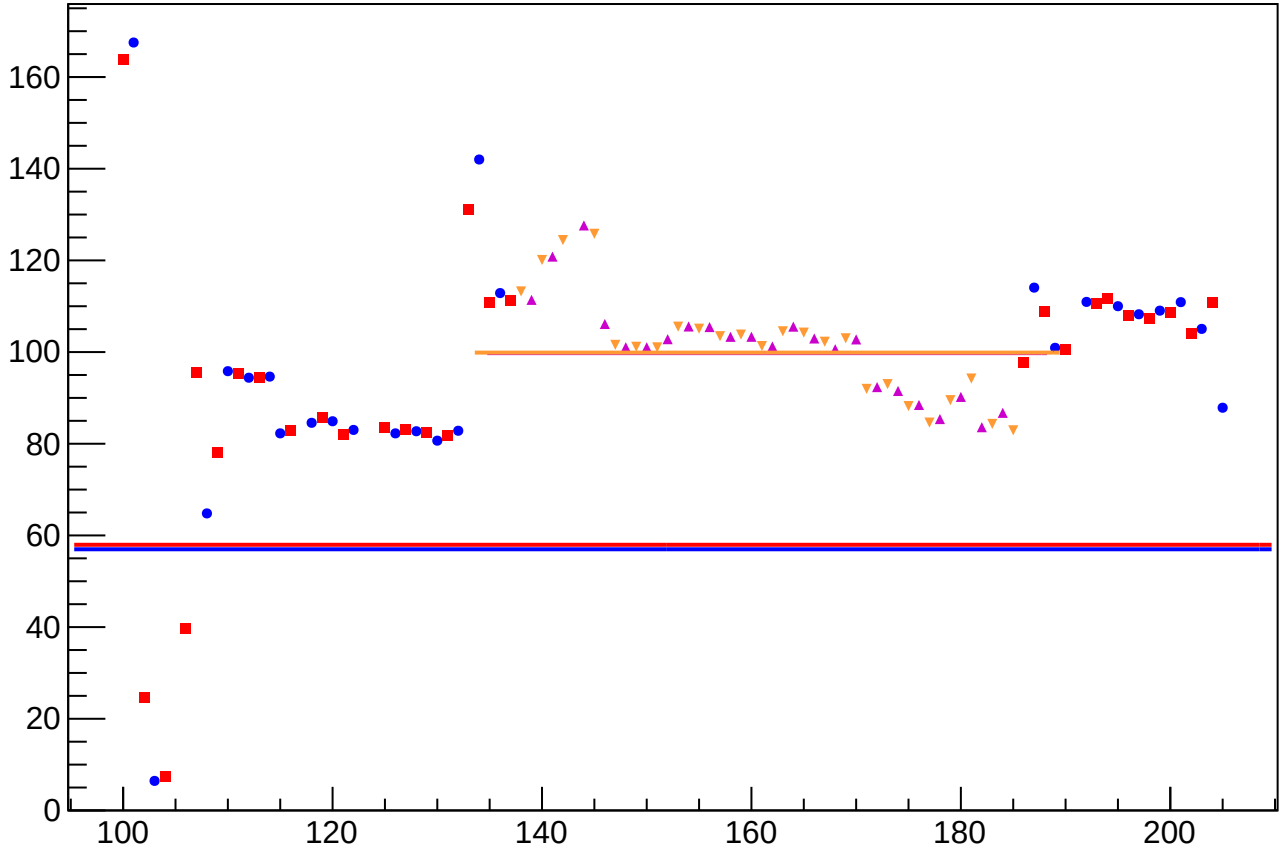
Right: -27.341+/-0.611 χ^2/NDF: 1246.8/52

In: -38.603+/-0.538 χ^2/NDF:1083.7/47

Out: -36.085+/-0.519 χ^2/NDF:1591.2/51

All: -37.300+/-0.373 χ^2/NDF: 2686.3/99

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 56.978+/-0.040 χ^2/NDF: 1482458.8/24

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

Right Out: 57.958+/-0.039 χ^2/NDF: 1282732.1/27

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

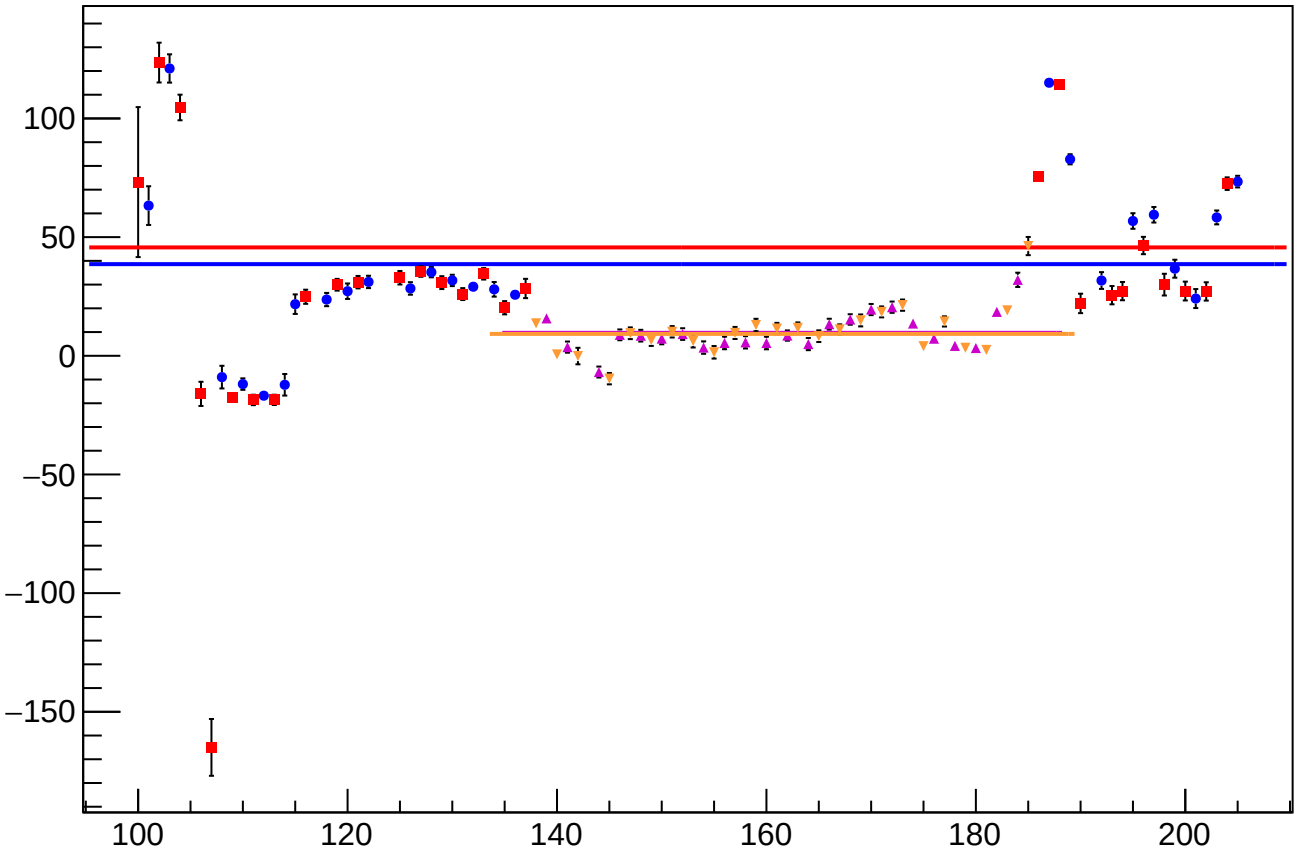
Left: 99.825+/-0.022 χ^2/NDF: 237095.8/46

Right: 57.475+/-0.028 χ^2/NDF: 2765494.0/52

In: 84.050+/-0.024 χ^2/NDF:2316581.8/47

Out: 84.049+/-0.024 χ^2/NDF:2107459.2/51

All: 84.049+/-0.017 χ^2/NDF: 4424041.0/99



Right In: 38.620+/-0.553 χ^2/NDF: 4017.7/24

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 45.669+/-0.497 χ^2/NDF: 7938.1/27

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

Left: 9.449+/-0.325 χ^2/NDF: 574.7/46

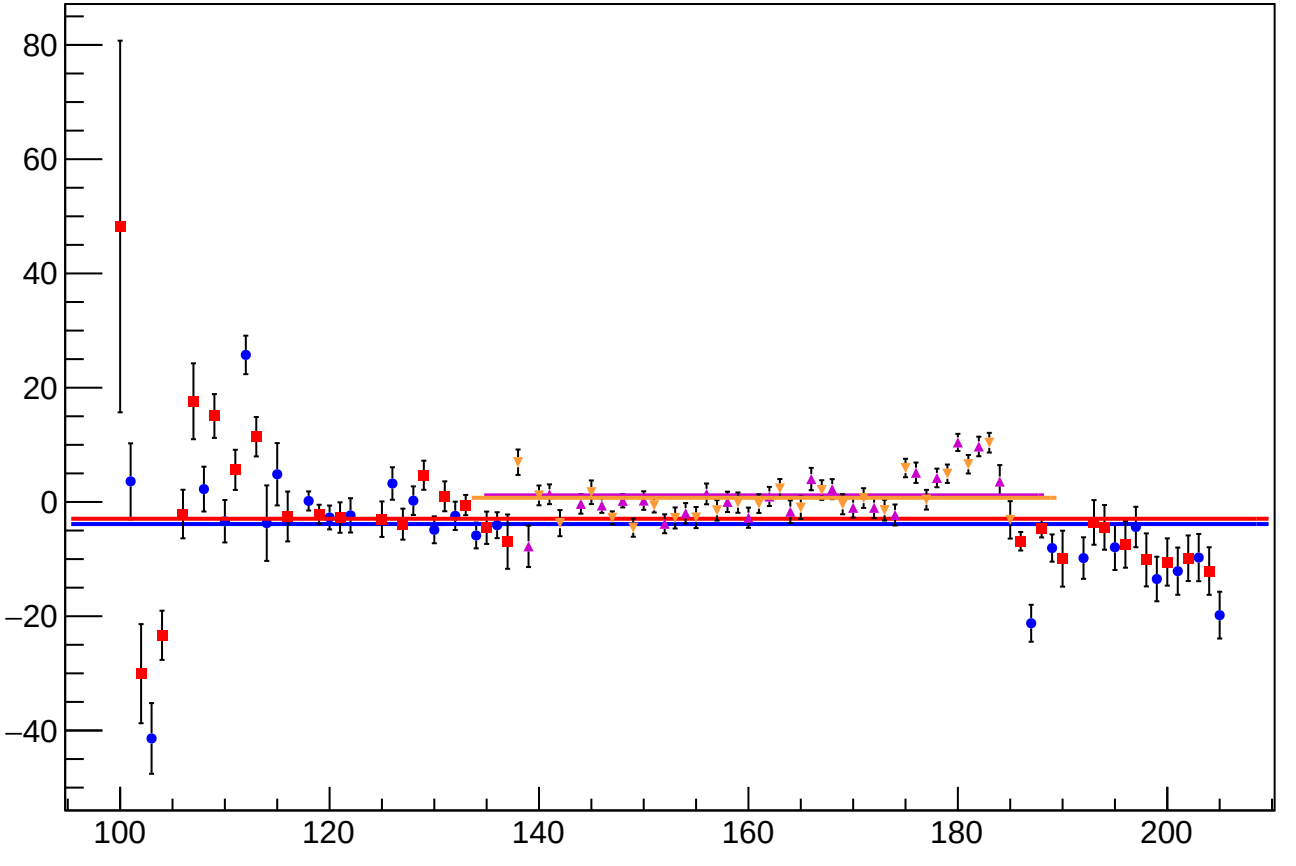
Right: 42.518+/-0.370 χ^2/NDF: 12045.7/52

In: 21.592+/-0.355 χ^2/NDF:5877.6/47

Out: 25.902+/-0.336 χ^2/NDF:11182.1/51

All: 23.862+/-0.244 χ^2/NDF: 17137.5/99

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -3.866+/-0.600 χ^2/NDF: 199.8/24

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -2.939+/-0.560 χ^2/NDF: 127.9/27

Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

Left: 0.939+/-0.250 χ^2/NDF: 220.9/46

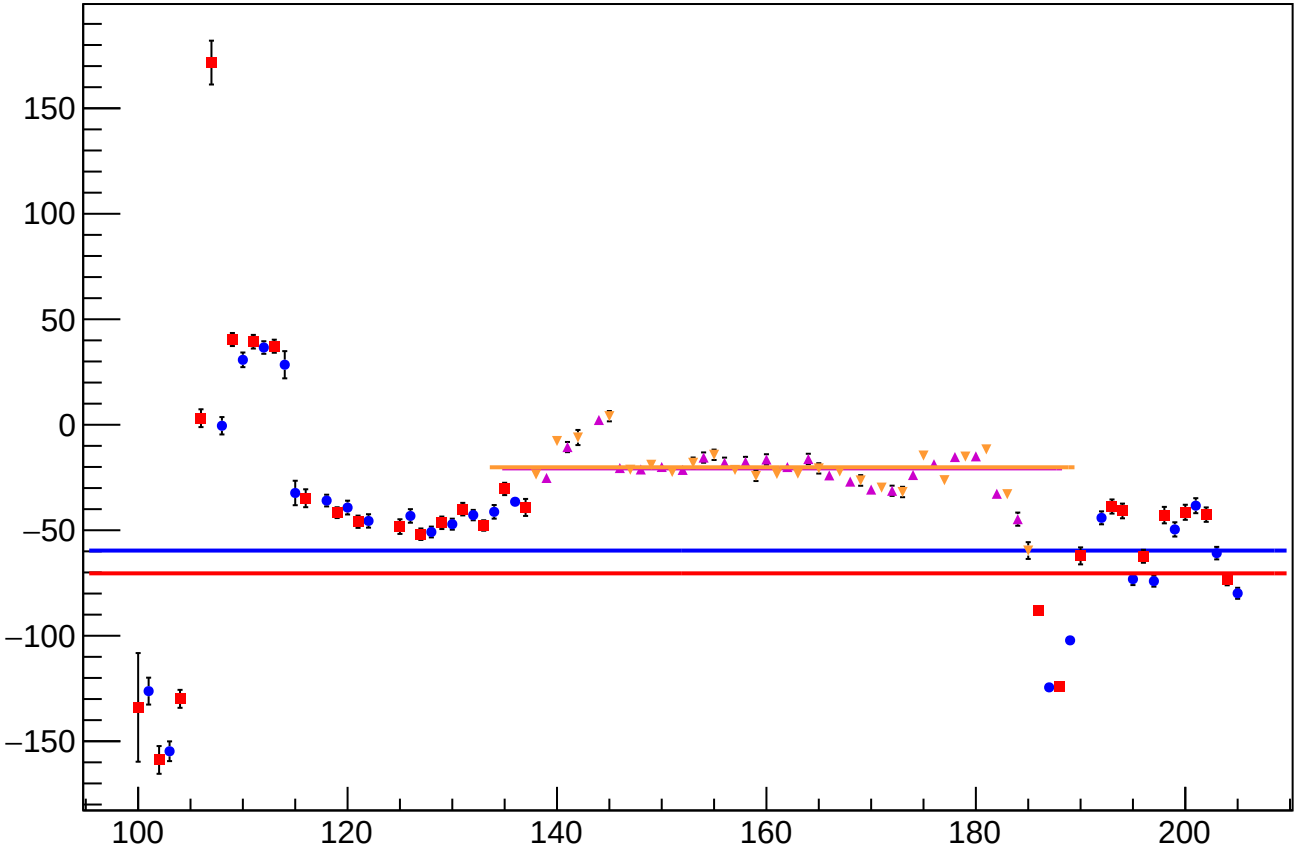
Right: -3.371+/-0.409 χ^2/NDF: 329.0/52

In: -0.160+/-0.307 χ^2/NDF:362.0/47

Out: -0.298+/-0.297 χ^2/NDF:268.5/51

All: -0.231+/-0.213 χ^2/NDF: 630.6/99

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -59.628+/-0.567 χ^2/NDF: 5406.8/24

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.425+/-0.482 χ^2/NDF: 9645.2/27

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

Left: -20.414+/-0.322 χ^2/NDF: 731.5/46

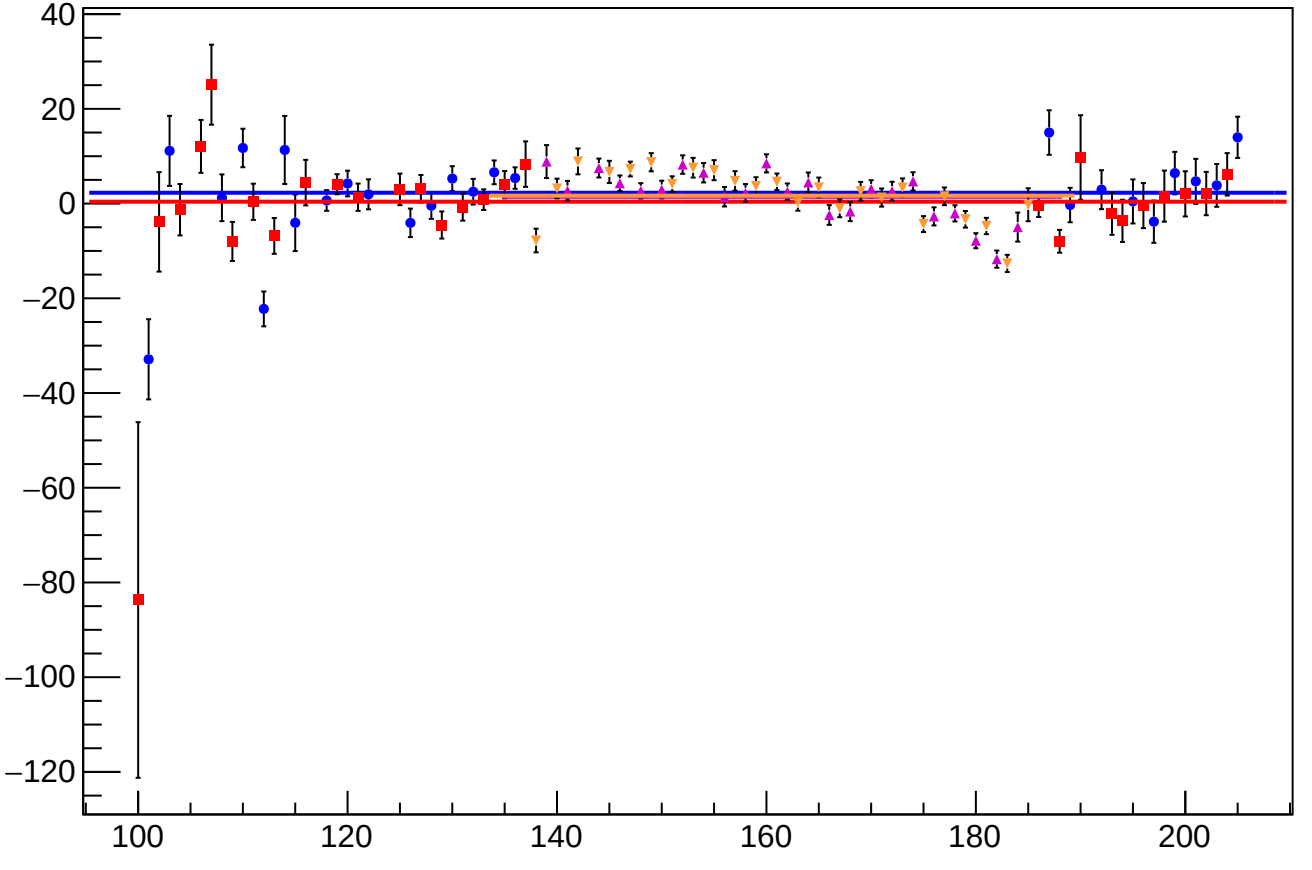
Right: -65.892+/-0.367 χ^2/NDF: 15262.5/52

In: -36.051+/-0.356 χ^2/NDF:8575.1/47

Out: -43.686+/-0.330 χ^2/NDF:15845.8/51

All: -40.159+/-0.242 χ^2/NDF: 24668.4/99

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: 2.286+/-0.699 χ^2/NDF: 102.3/24

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

Right Out: 0.397+/-0.677 χ^2/NDF: 55.1/27

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

Left: 1.552+/-0.282 χ^2/NDF: 340.9/46

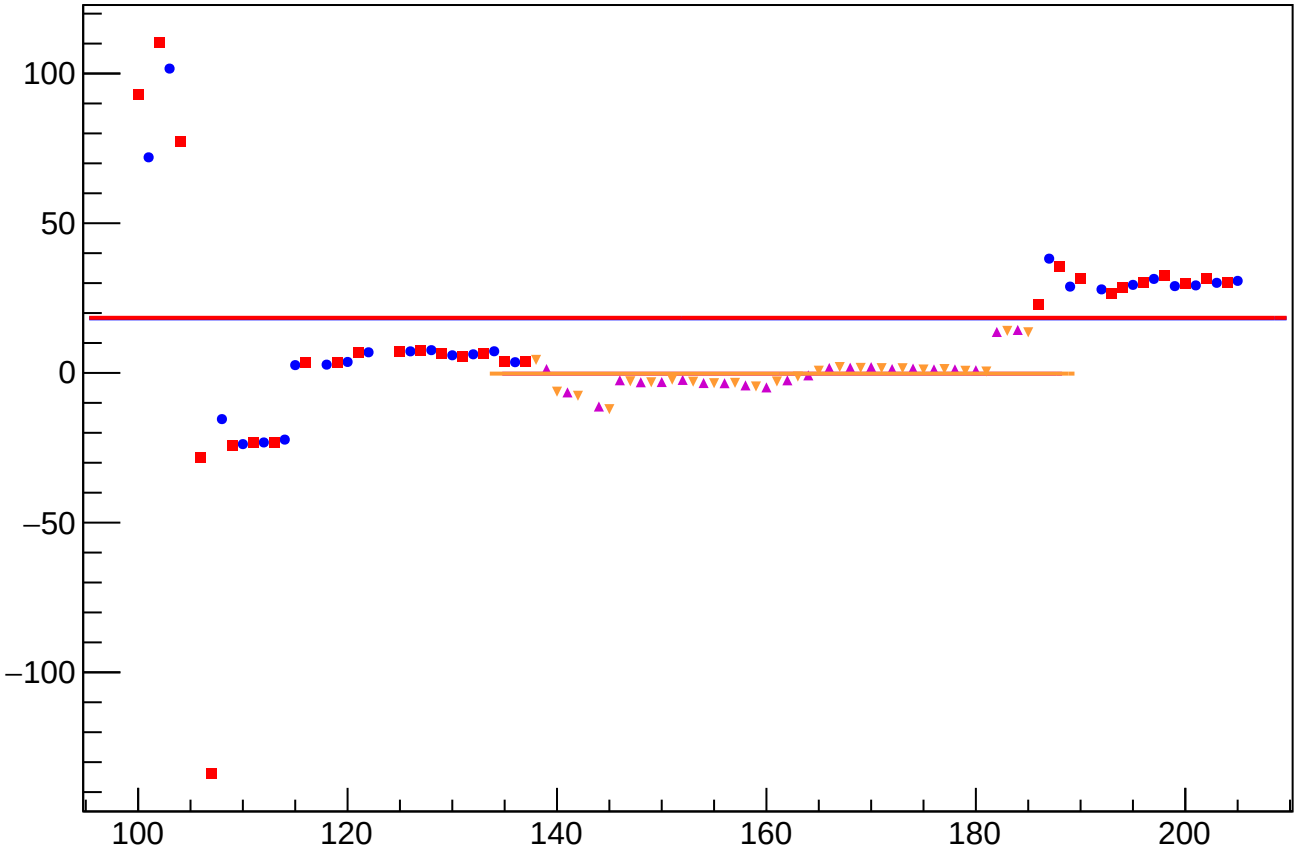
Right: 1.312+/-0.486 χ^2/NDF: 161.2/52

In: 1.642+/-0.349 χ^2/NDF:266.2/47

Out: 1.348+/-0.341 χ^2/NDF:235.7/51

All: 1.491+/-0.244 χ^2/NDF: 502.3/99

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 18.228+/-0.035 χ^2/NDF: 407861.0/24

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

Right Out: 18.413+/-0.035 χ^2/NDF: 582771.2/27

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

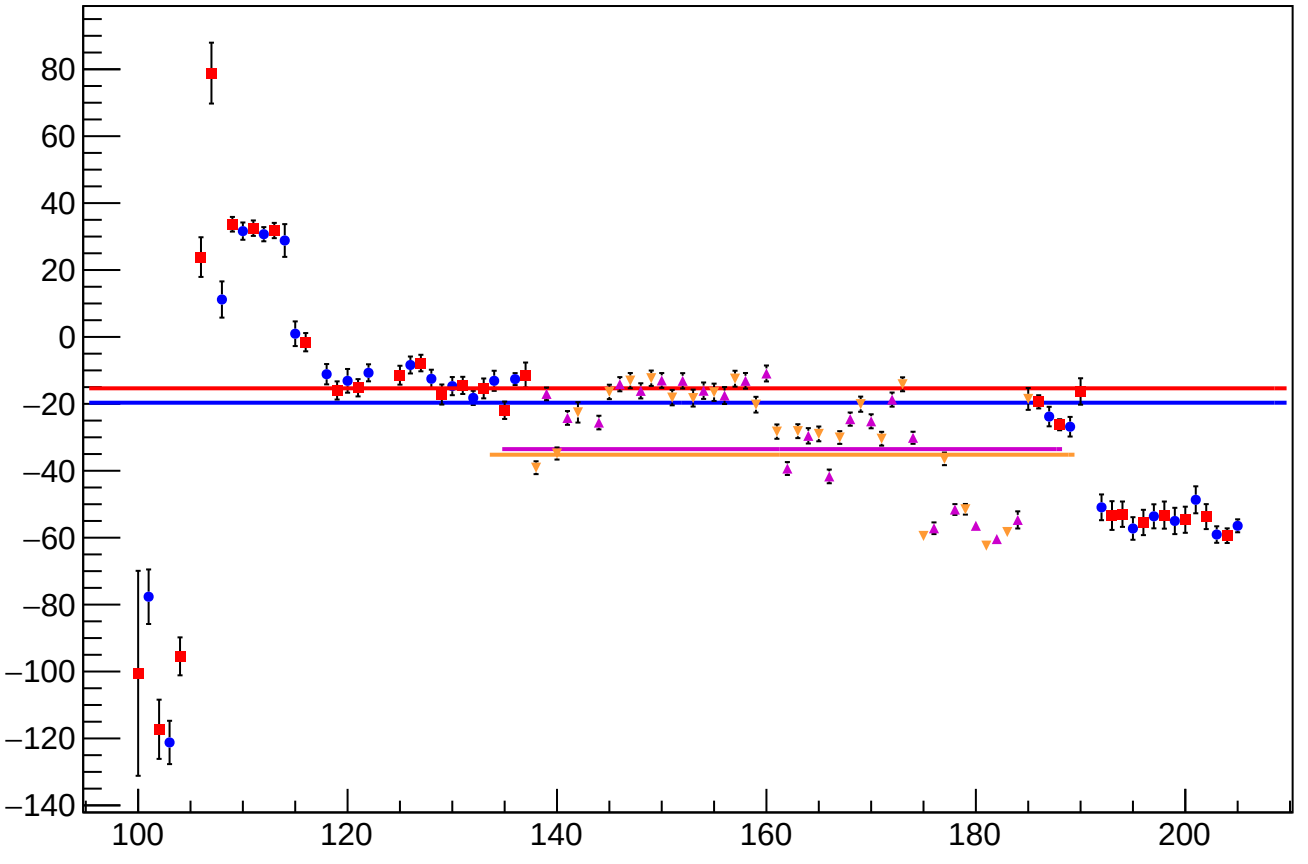
Left: -0.249+/-0.013 χ^2/NDF: 153762.2/46

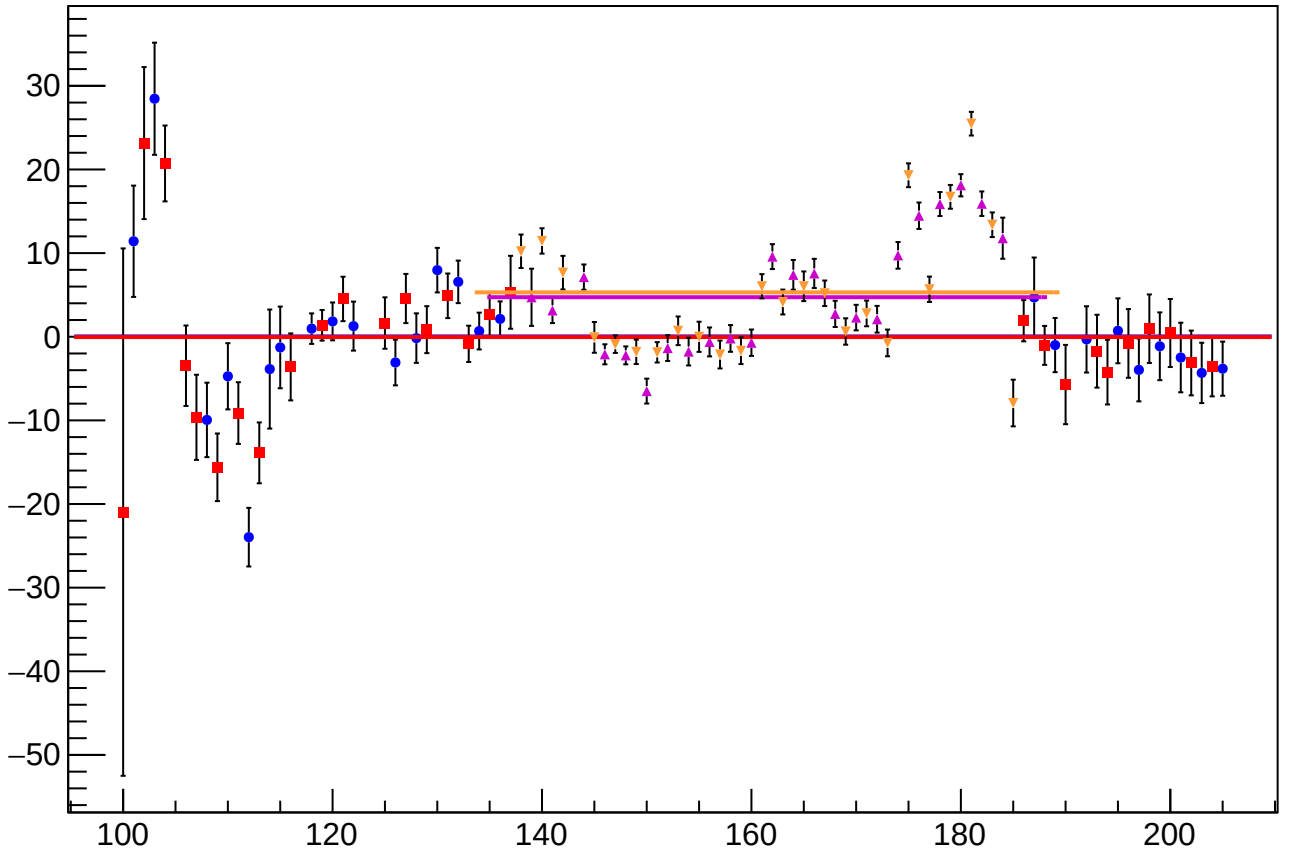
Right: 18.322+/-0.025 χ^2/NDF: 990646.0/52

In: 3.457+/-0.016 χ^2/NDF:699748.2/47

Out: 3.549+/-0.016 χ^2/NDF:890137.7/51

All: 3.503+/-0.011 χ^2/NDF: 1589902.8/99


reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
80
60
40
20
0
−20
−40
−60
−80
−100
−120
−140
100
120
140
160
180
200
Right In: -19.659+/-0.578 χ2/NDF: 2525.8/24
Left Out: -35.201+/-0.408 χ2/NDF:1850.7/23
Right Out: -15.357+/-0.553 χ2/NDF: 2930.2/27
Left In: -33.528+/-0.414 χ2/NDF:1806.1/22
Left: -34.376+/-0.291 χ2/NDF: 3665.2/46
Right: -17.416+/-0.400 χ2/NDF: 5484.9/52
In: -28.826+/-0.336 χ2/NDF:4713.0/47
Out: -28.208+/-0.328 χ2/NDF:5613.9/51
All: -28.510+/-0.235 χ2/NDF: 10328.6/99



Right In: 0.035+/-0.630 χ^2/NDF: 99.0/24

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

Right Out: -0.037+/-0.621 χ^2/NDF: 86.0/27

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

Left: 5.023+/-0.225 χ^2/NDF: 1122.0/46

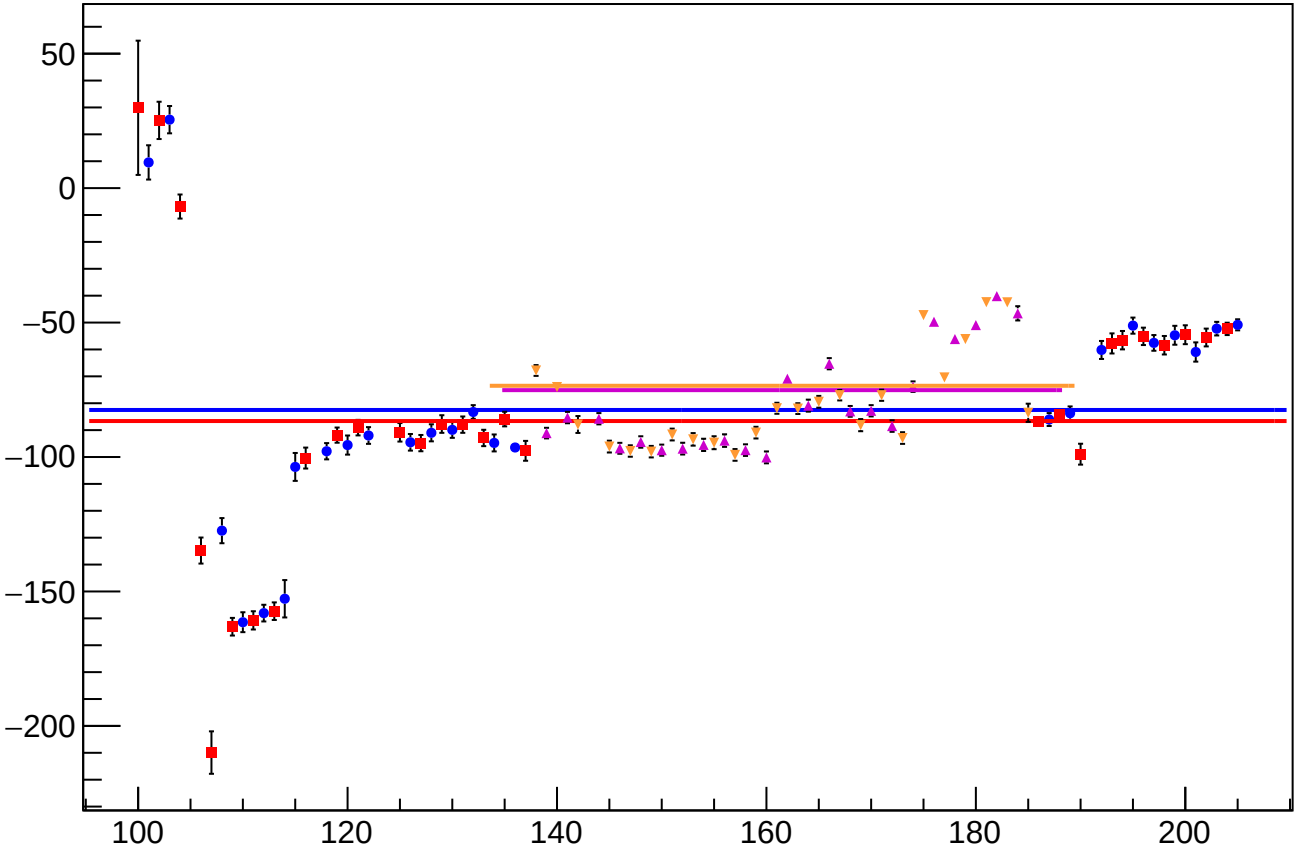
Right: -0.002+/-0.442 χ^2/NDF: 185.0/52

In: 3.758+/-0.286 χ^2/NDF:639.1/47

Out: 4.213+/-0.281 χ^2/NDF:769.3/51

All: 3.990+/-0.200 χ^2/NDF: 1409.7/99

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -82.505+/-0.607 χ^2/NDF: 2778.6/24

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

Right Out: -86.622+/-0.563 χ^2/NDF: 3177.4/27

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

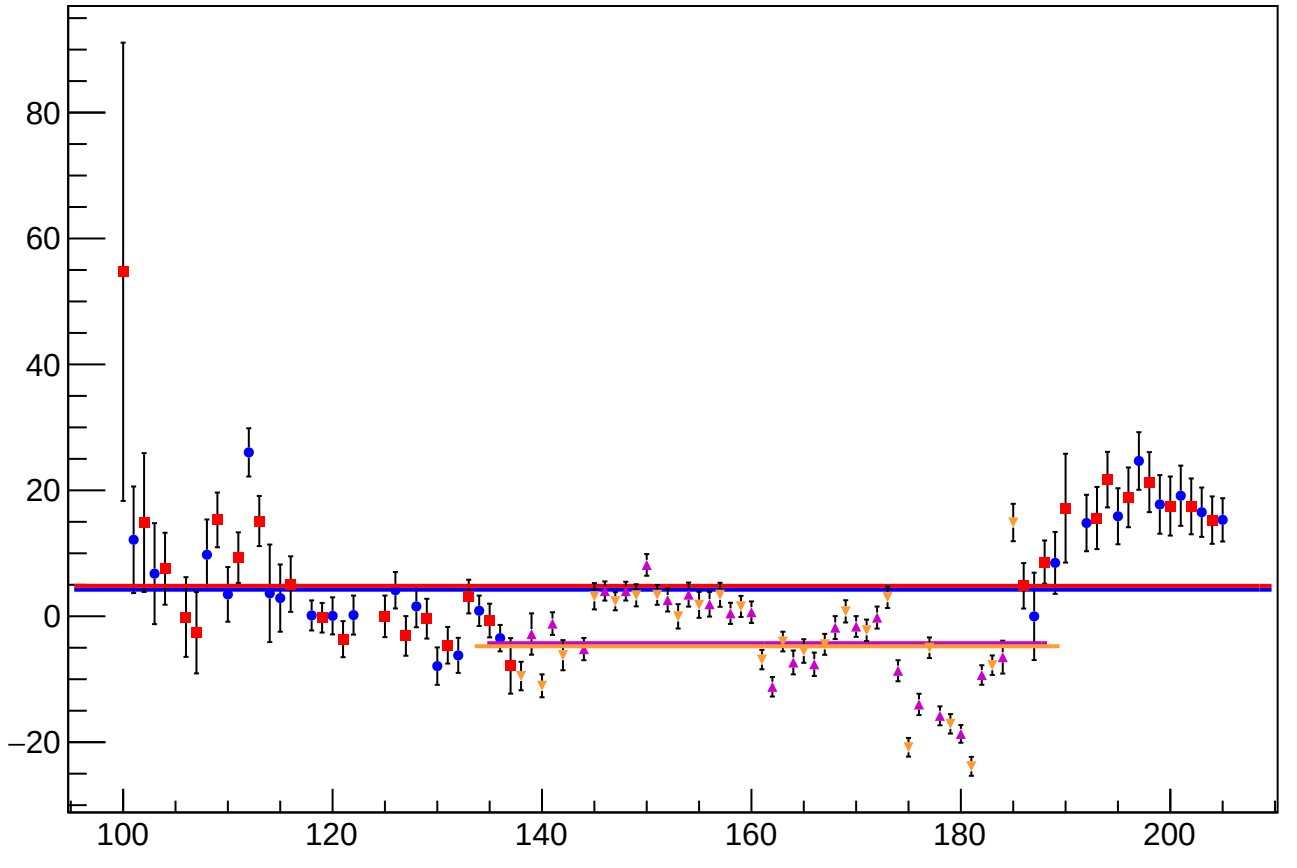
Left: -74.310+/-0.288 χ^2/NDF: 4761.8/46

Right: -84.718+/-0.413 χ^2/NDF: 5980.7/52

In: -77.442+/-0.340 χ^2/NDF:5241.7/47

Out: -77.982+/-0.329 χ^2/NDF:5926.8/51

All: -77.720+/-0.236 χ^2/NDF: 11169.8/99



Right In: 4.219+/-0.719 χ^2/NDF: 159.9/24

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

Right Out: 4.829+/-0.728 χ^2/NDF: 133.2/27

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

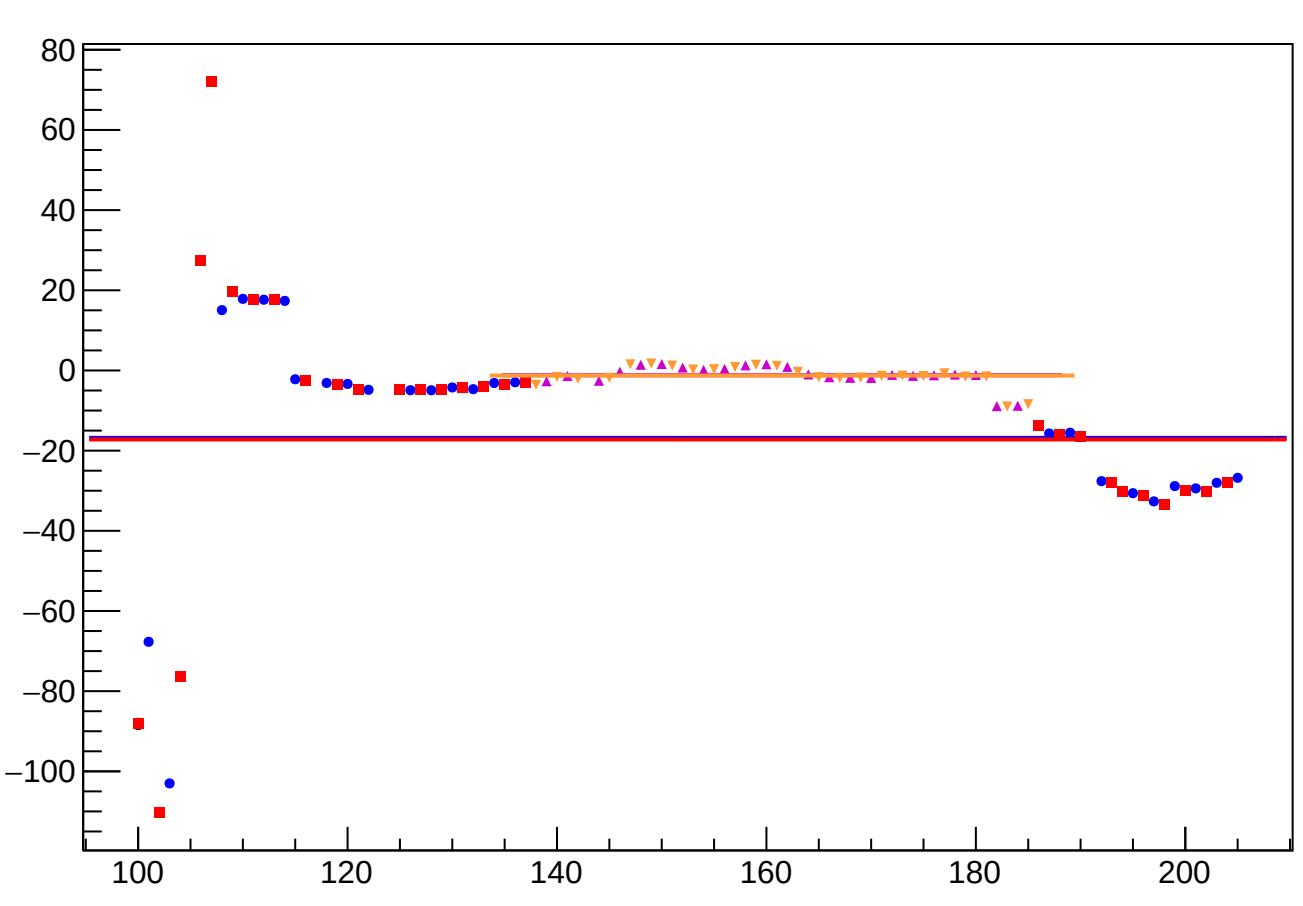
Left: -4.524+/-0.253 χ^2/NDF: 1002.0/46

Right: 4.520+/-0.512 χ^2/NDF: 293.5/52

In: -2.570+/-0.323 χ^2/NDF:695.5/47

Out: -2.922+/-0.319 χ^2/NDF:850.3/51

All: -2.748+/-0.227 χ^2/NDF: 1546.4/99



Right In: -16.813+/-0.035 χ^2/NDF: 360414.3/24

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -17.212+/-0.036 χ^2/NDF: 454756.4/27

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

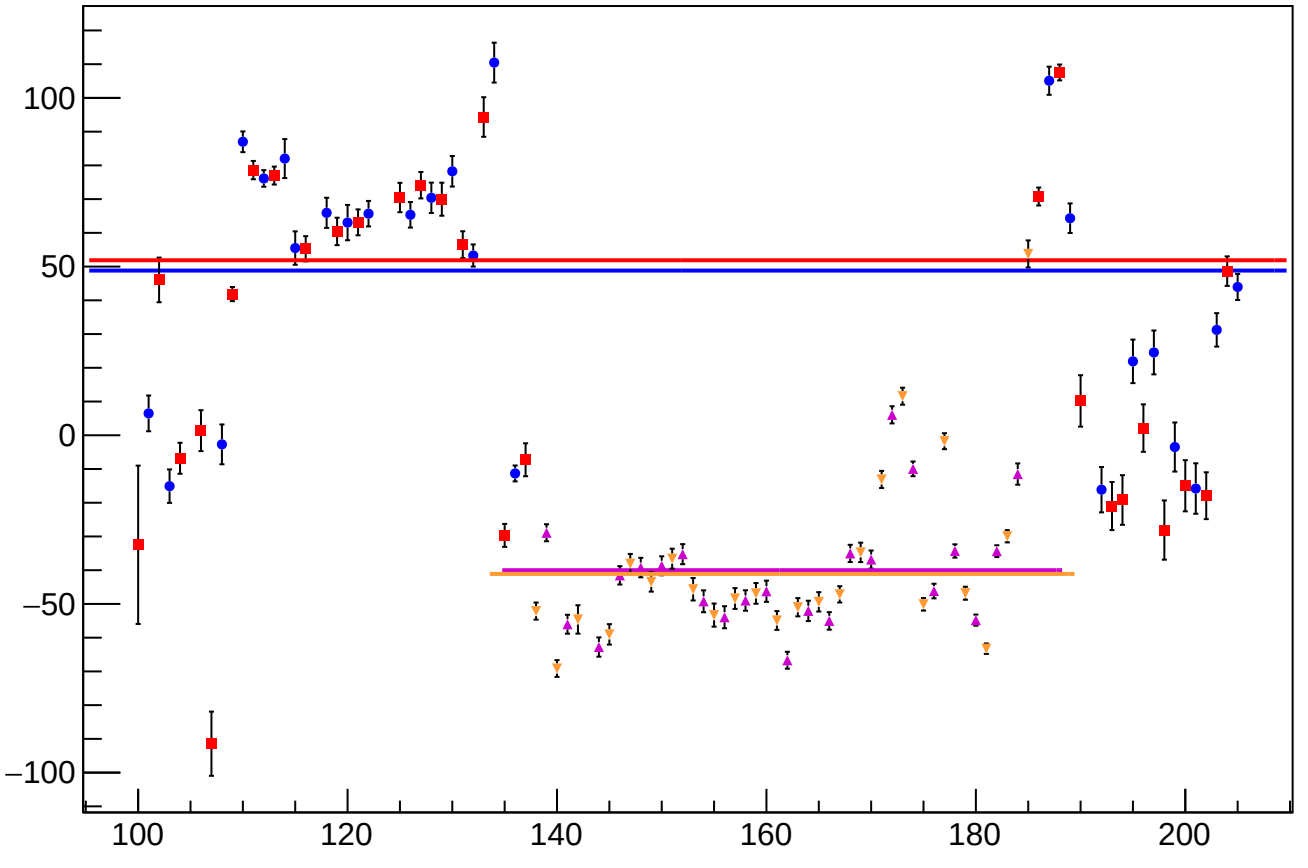
Left: -1.224+/-0.011 χ^2/NDF: 49860.2/46

Right: -17.009+/-0.025 χ^2/NDF: 815233.0/52

In: -3.817+/-0.015 χ^2/NDF:547118.8/47

Out: -3.862+/-0.015 χ^2/NDF:644243.5/51

All: -3.839+/-0.010 χ^2/NDF: 1191367.1/99



Right In: 48.824+/-0.846 χ^2/NDF: 1966.4/24

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.875+/-0.768 χ^2/NDF: 2686.3/27

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

Left: -40.556+/-0.368 χ^2/NDF: 2982.2/46

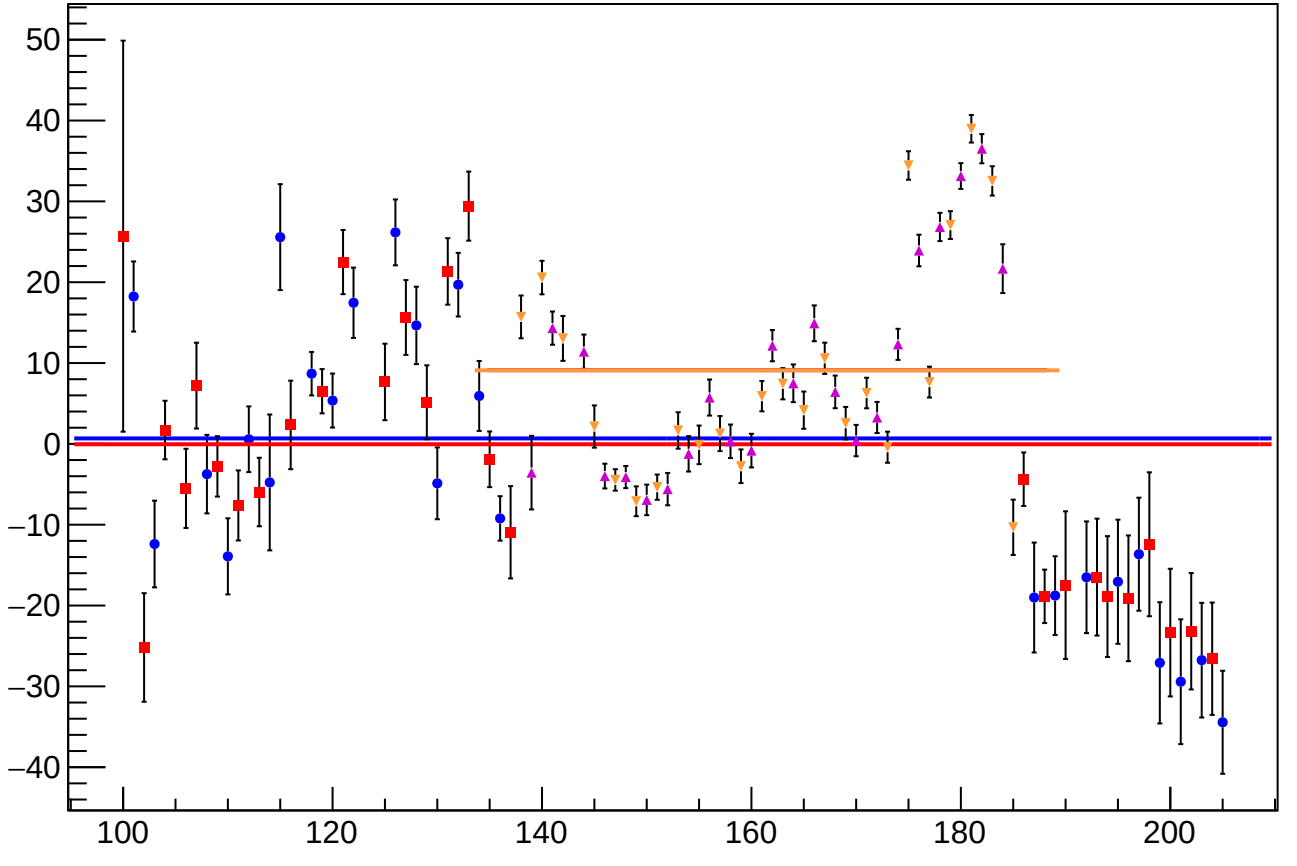
Right: 50.497+/-0.569 χ^2/NDF: 4659.8/52

In: -15.357+/-0.446 χ^2/NDF:10961.5/47

Out: -12.061+/-0.429 χ^2/NDF:14720.3/51

All: -13.646+/-0.309 χ^2/NDF: 25710.2/99

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.673+/-0.928 χ^2/NDF: 274.6/24

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

Right Out: -0.046+/-0.886 χ^2/NDF: 246.9/27

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

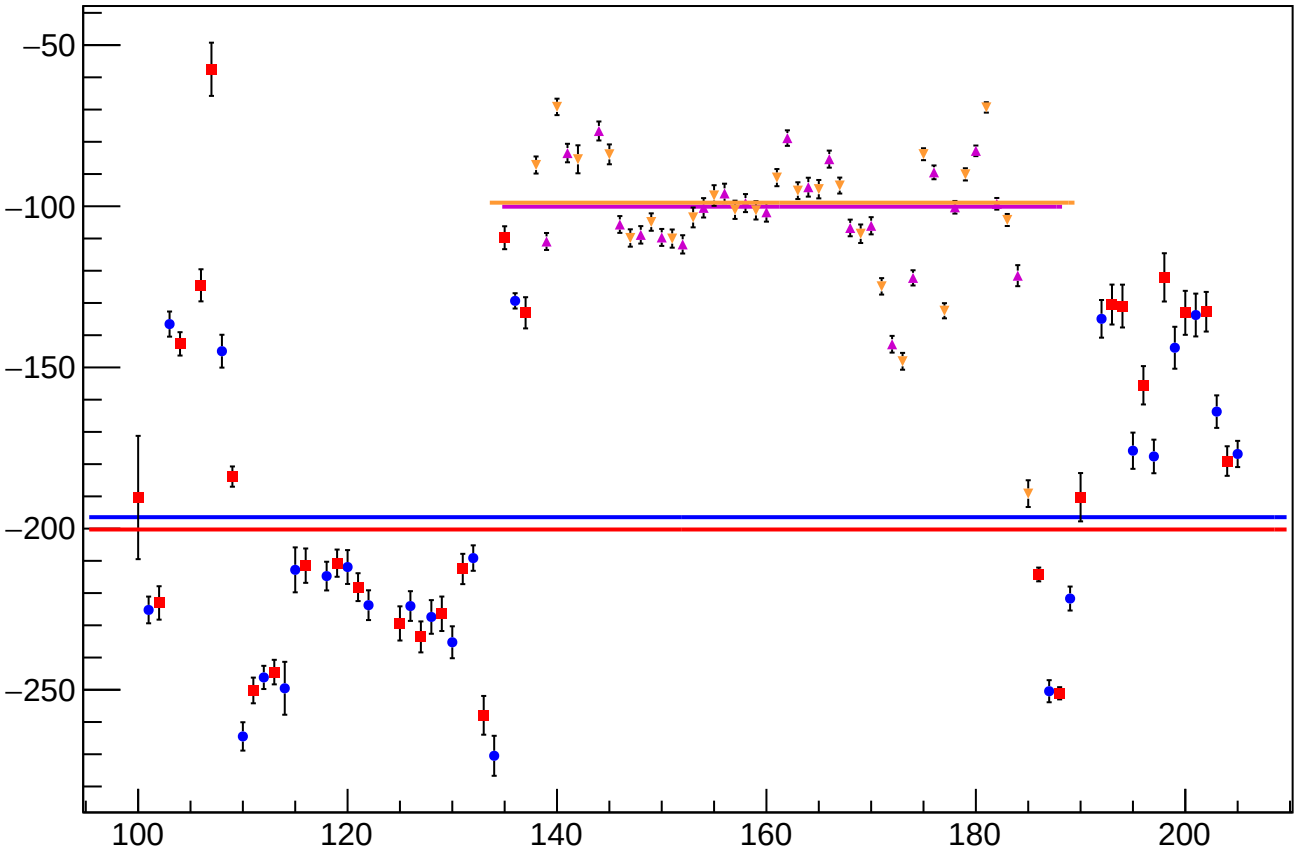
Left: 9.107+/-0.286 χ^2/NDF: 2305.5/46

Right: 0.297+/-0.641 χ^2/NDF: 521.8/52

In: 7.748+/-0.374 χ^2/NDF:1395.7/47

Out: 7.539+/-0.366 χ^2/NDF:1588.9/51

All: 7.641+/-0.262 χ^2/NDF: 2984.8/99



Right In: -196.453+/-0.893 χ^2/NDF: 2657.7/24

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

Right Out: -200.275+/-0.800 χ^2/NDF: 3595.2/27

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

Left: -99.498+/-0.366 χ^2/NDF: 2650.6/46

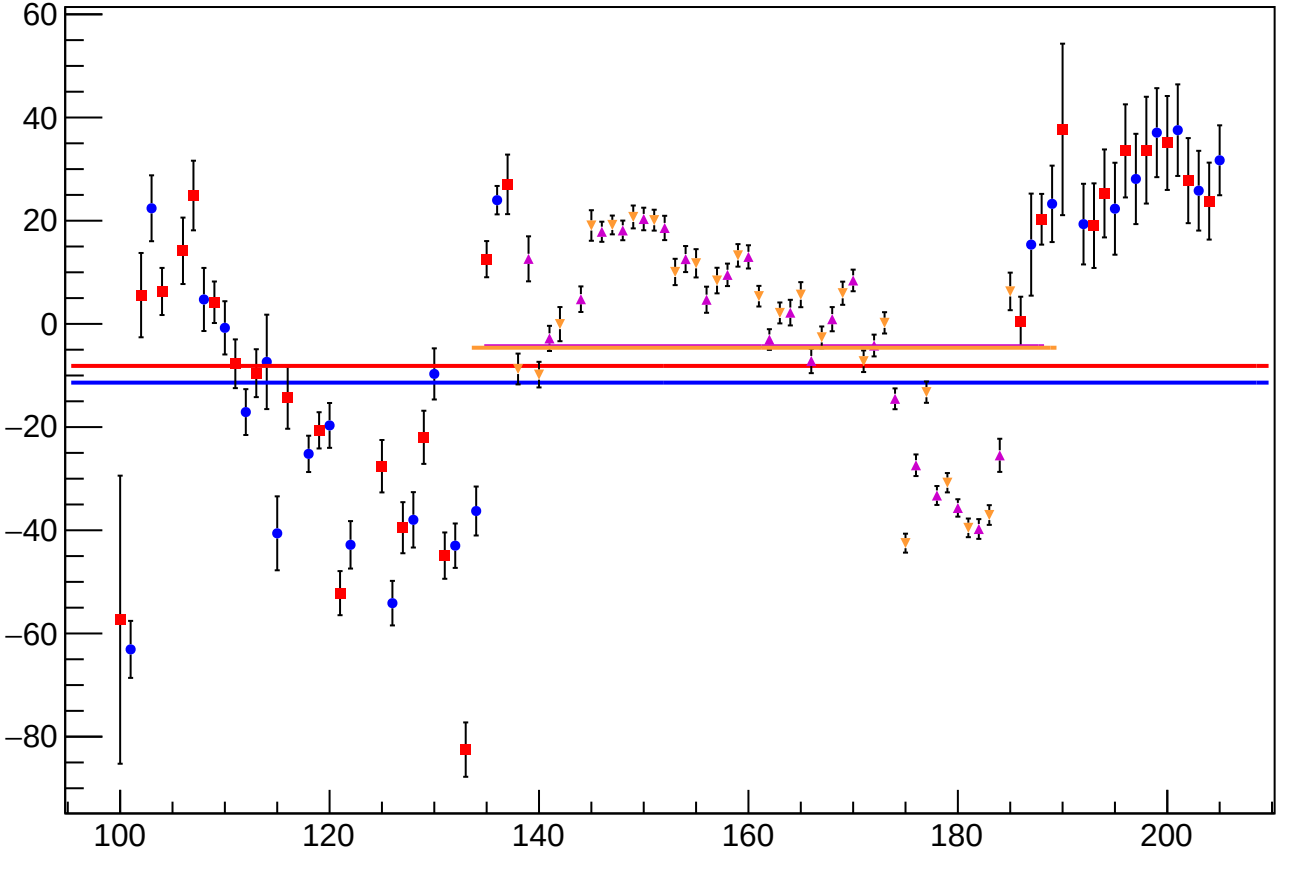
Right: -198.575+/-0.596 χ^2/NDF: 6263.1/52

In: -124.512+/-0.449 χ^2/NDF:12165.2/47

Out: -128.532+/-0.432 χ^2/NDF:16792.0/51

All: -126.599+/-0.312 χ^2/NDF: 28998.7/99

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -11.383+/-1.067 χ^2/NDF: 784.9/24

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

Right Out: -8.143+/-1.041 χ^2/NDF: 749.5/27

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

Left: -4.475+/-0.322 χ^2/NDF: 3932.7/46

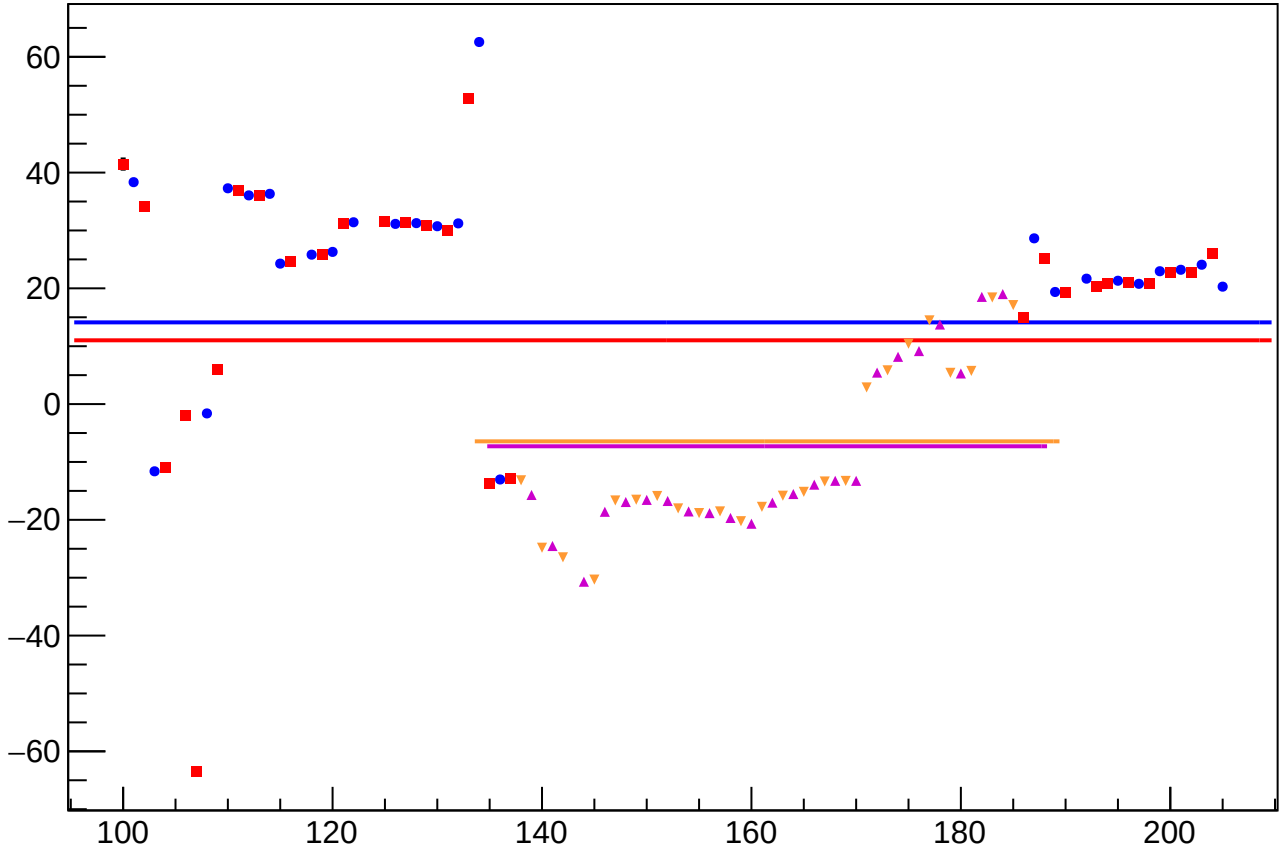
Right: -9.723+/-0.745 χ^2/NDF: 1539.1/52

In: -5.430+/-0.421 χ^2/NDF:2675.9/47

Out: -5.176+/-0.414 χ^2/NDF:2837.5/51

All: -5.301+/-0.295 χ^2/NDF: 5513.6/99

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 14.118+/-0.053 χ^2/NDF: 175049.7/24

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

Right Out: 11.019+/-0.052 χ^2/NDF: 177509.2/27

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

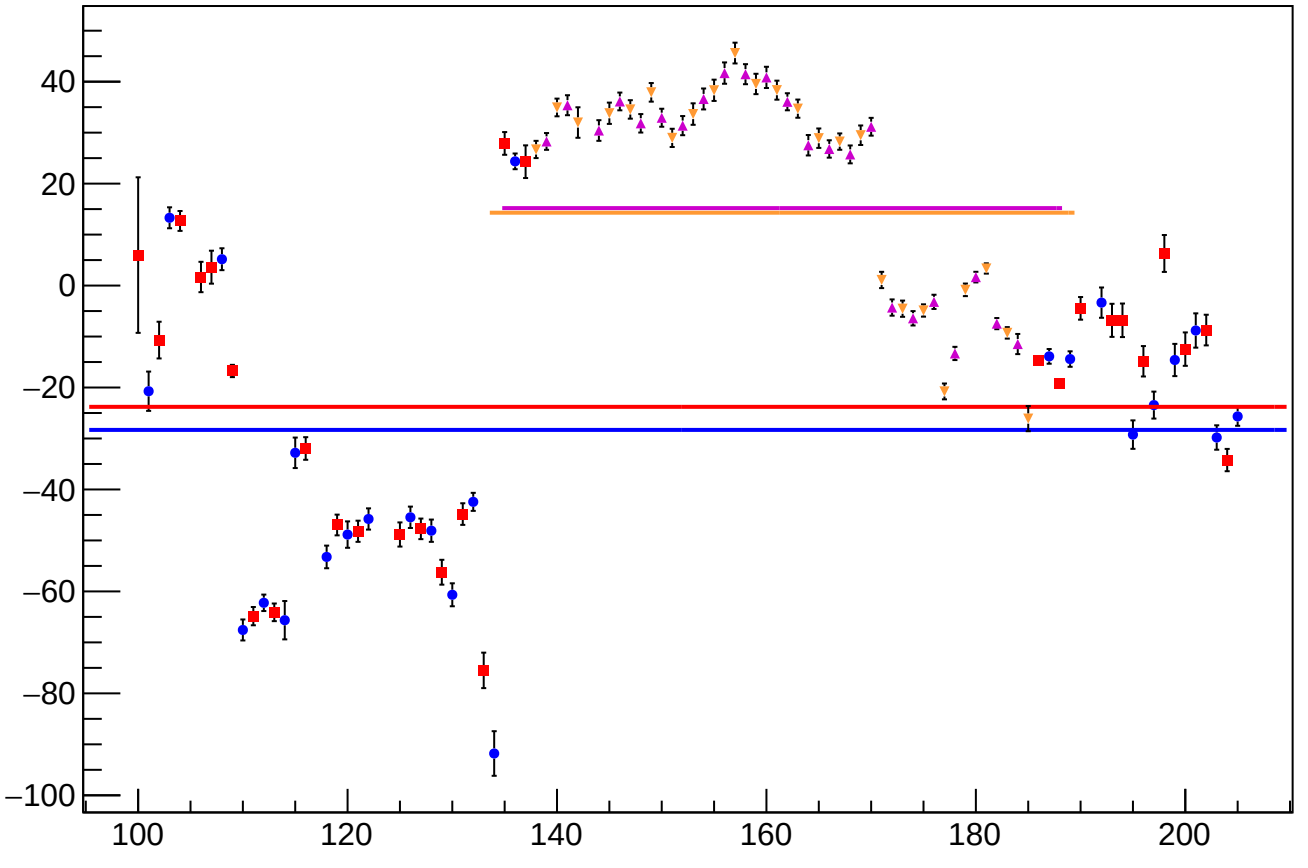
Left: -6.862+/-0.014 χ^2/NDF: 985866.7/46

Right: 12.546+/-0.037 χ^2/NDF: 354317.3/52

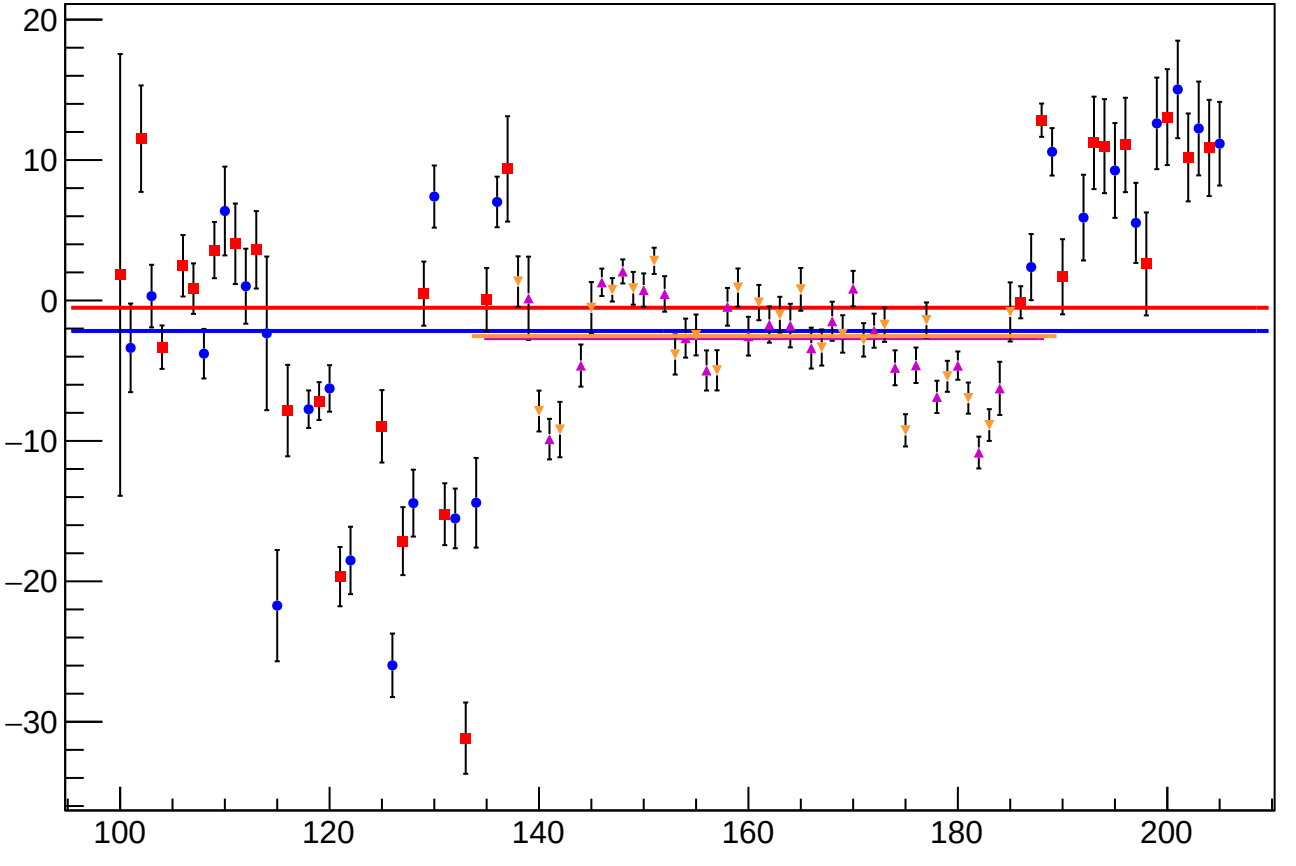
In: -4.520+/-0.019 χ^2/NDF:807314.7/47

Out: -4.140+/-0.019 χ^2/NDF:772569.3/51

All: -4.329+/-0.013 χ^2/NDF: 1580086.7/99


reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: -28.316+/-0.435 χ²/NDF: 3933.1/24
Left Out: 14.295+/-0.335 χ²/NDF:3726.3/23
Right Out: -23.791+/-0.370 χ²/NDF: 3796.7/27
Left In: 15.194+/-0.339 χ²/NDF:3406.6/22
Left: 14.739+/-0.239 χ²/NDF: 7136.5/46
Right: -25.694+/-0.282 χ²/NDF: 7792.6/52
In: -1.285+/-0.268 χ²/NDF:13563.5/47
Out: -2.855+/-0.249 χ²/NDF:13336.0/51
All: -2.128+/-0.182 χ²/NDF: 26918.0/99

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -2.170+/-0.472 χ^2/NDF: 511.6/24

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.517+/-0.417 χ^2/NDF: 595.7/27

Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

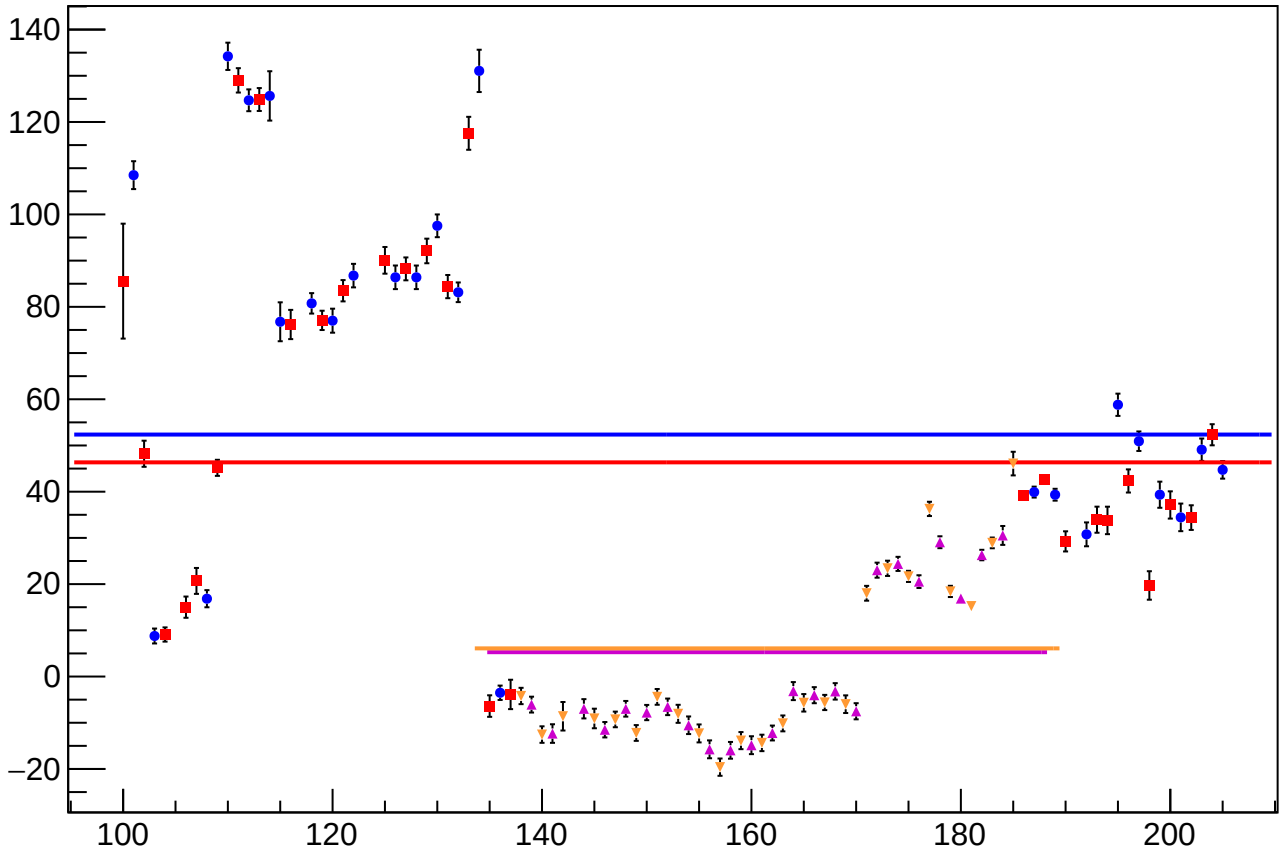
Left: -2.608+/-0.185 χ^2/NDF: 380.6/46

Right: -1.241+/-0.312 χ^2/NDF: 1114.2/52

In: -2.559+/-0.231 χ^2/NDF:694.6/47

Out: -1.975+/-0.220 χ^2/NDF:811.0/51

All: -2.252+/-0.159 χ^2/NDF: 1508.9/99



Right In: 52.362+/-0.431 χ^2/NDF: 6662.8/24

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 46.347+/-0.352 χ^2/NDF: 5953.2/27

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

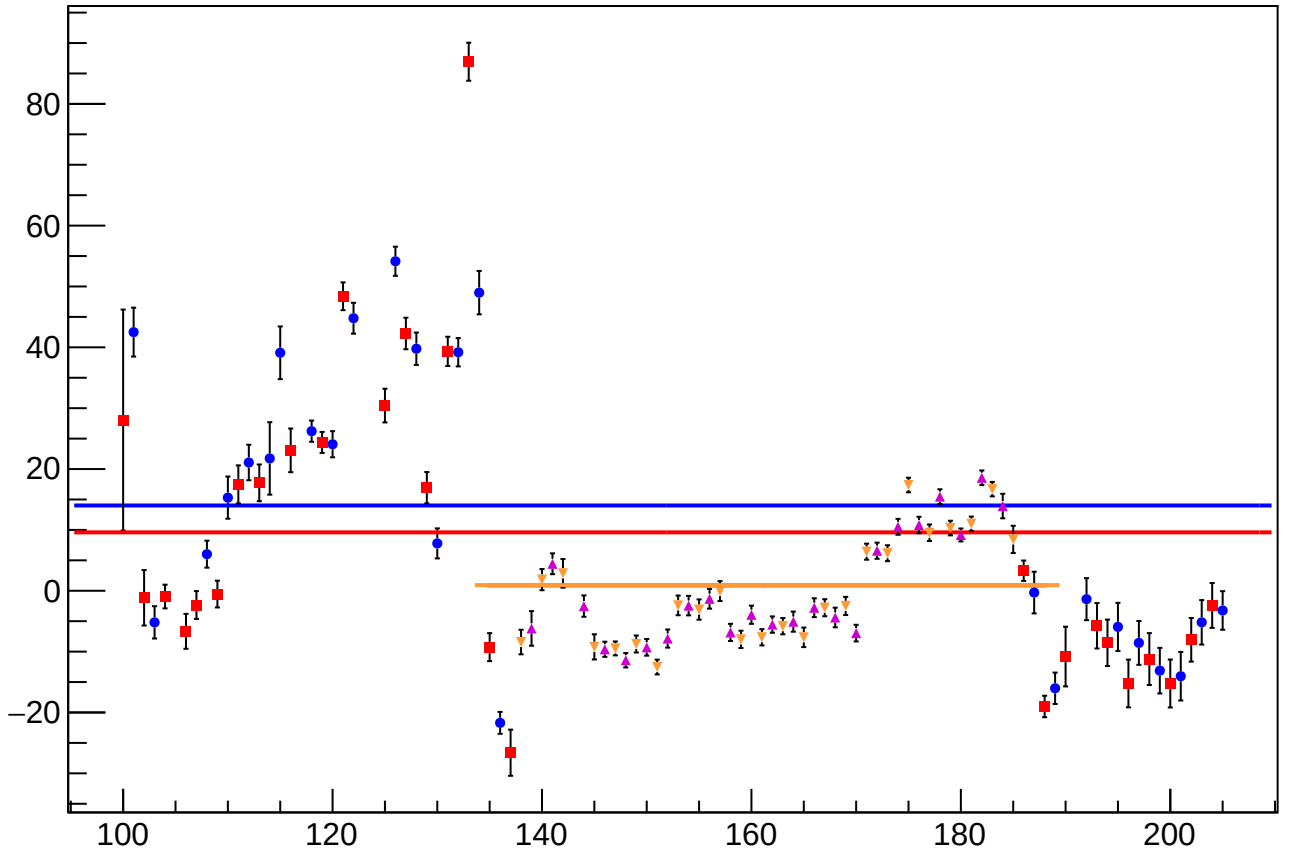
Left: 5.687+/-0.237 χ^2/NDF: 5228.1/46

Right: 48.753+/-0.273 χ^2/NDF: 12732.8/52

In: 23.102+/-0.265 χ^2/NDF:16529.2/47

Out: 25.104+/-0.242 χ^2/NDF:15632.6/51

All: 24.195+/-0.179 χ^2/NDF: 32192.9/99



Right In: 14.013+/-0.558 χ^2/NDF: 1758.8/24

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

Right Out: 9.597+/-0.512 χ^2/NDF: 2126.3/27

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

Left: 0.904+/-0.208 χ^2/NDF: 2047.7/46

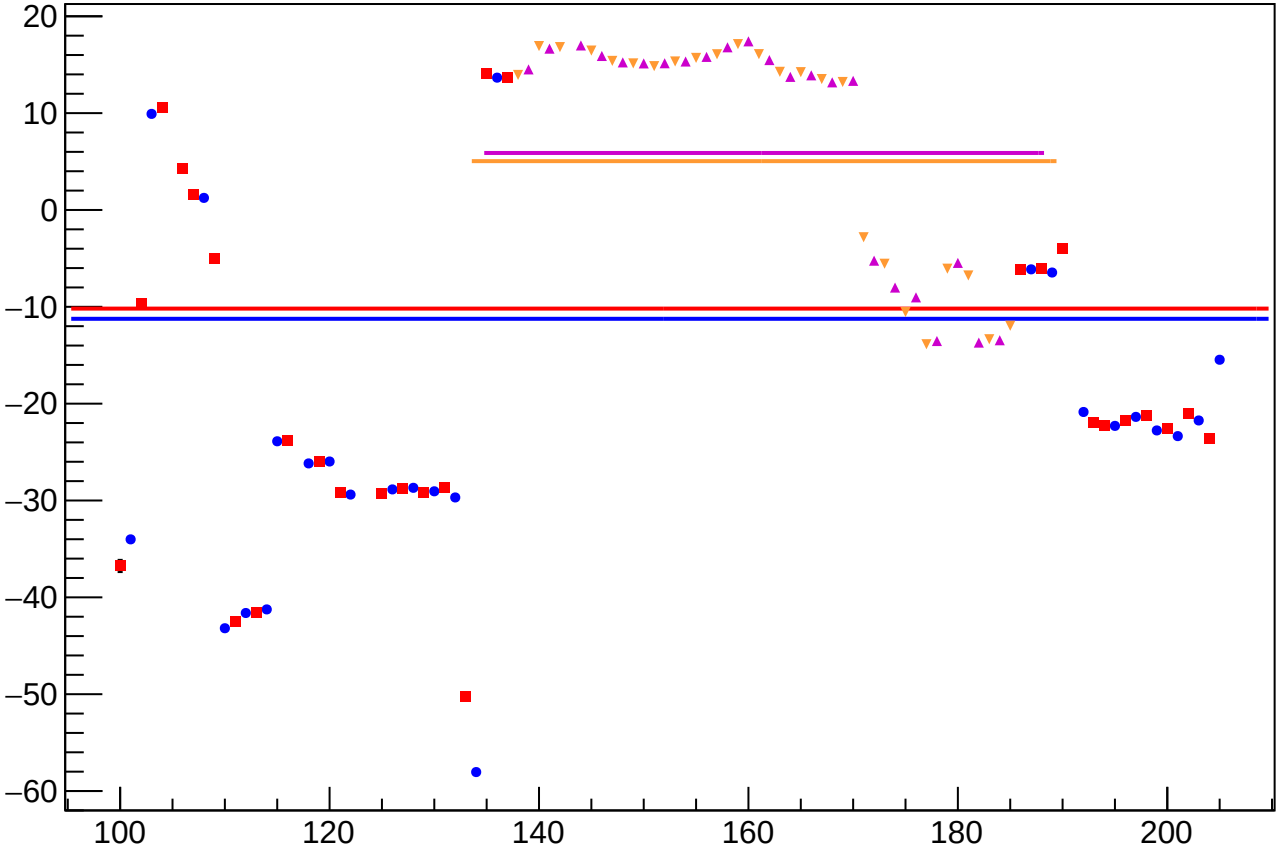
Right: 11.615+/-0.377 χ^2/NDF: 3919.1/52

In: 3.779+/-0.262 χ^2/NDF:3196.1/47

Out: 3.053+/-0.254 χ^2/NDF:3384.2/51

All: 3.404+/-0.182 χ^2/NDF: 6584.3/99

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: -11.238+/-0.026 χ^2/NDF: 487832.4/24

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

Right Out: -10.184+/-0.025 χ^2/NDF: 406659.0/27

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

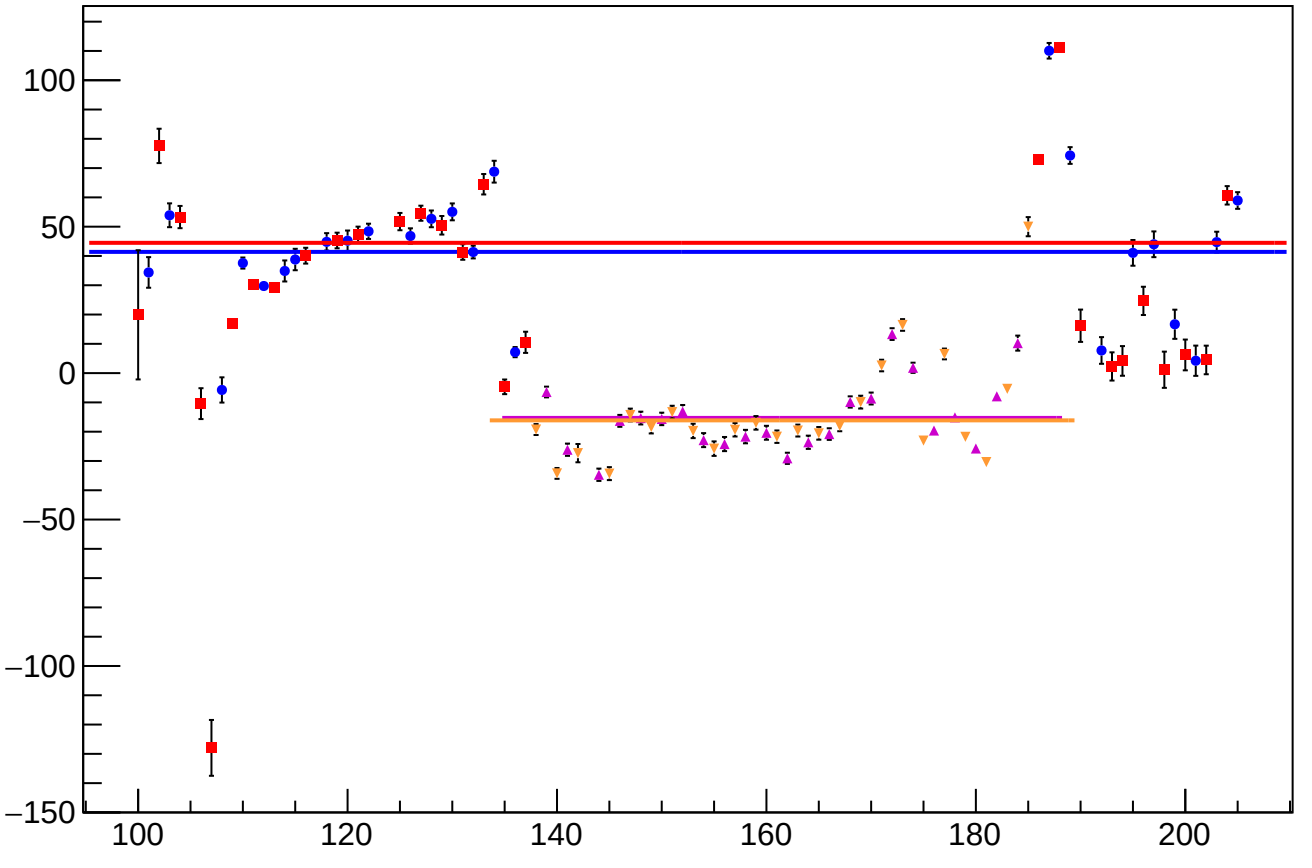
Left: 5.461+/-0.009 χ^2/NDF: 1703993.7/46

Right: -10.690+/-0.018 χ^2/NDF: 895348.2/52

In: 2.388+/-0.012 χ^2/NDF:1680782.4/47

Out: 1.762+/-0.012 χ^2/NDF:1554994.6/51

All: 2.070+/-0.008 χ^2/NDF: 3237220.7/99



Right In: 41.393+/-0.576 χ^2/NDF: 1654.3/24

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.485+/-0.523 χ^2/NDF: 4090.8/27

Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

Left: -15.719+/-0.283 χ^2/NDF: 2128.0/46

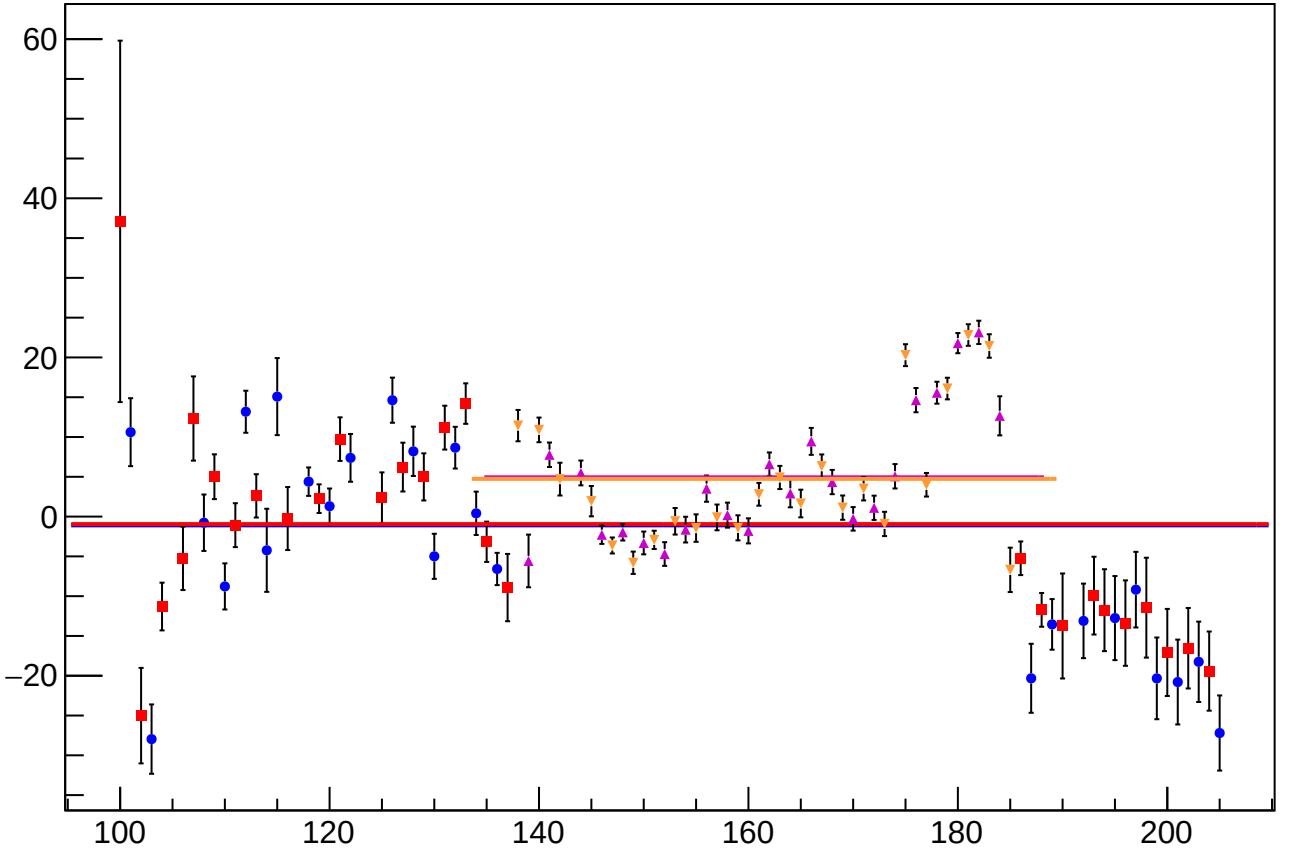
Right: 43.087+/-0.387 χ^2/NDF: 5760.9/52

In: 3.360+/-0.330 χ^2/NDF:8919.8/47

Out: 6.088+/-0.317 χ^2/NDF:13962.8/51

All: 4.781+/-0.229 χ^2/NDF: 22918.1/99

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -1.101+/-0.637 χ^2/NDF: 294.1/24

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

Right Out: -0.943+/-0.611 χ^2/NDF: 214.1/27

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

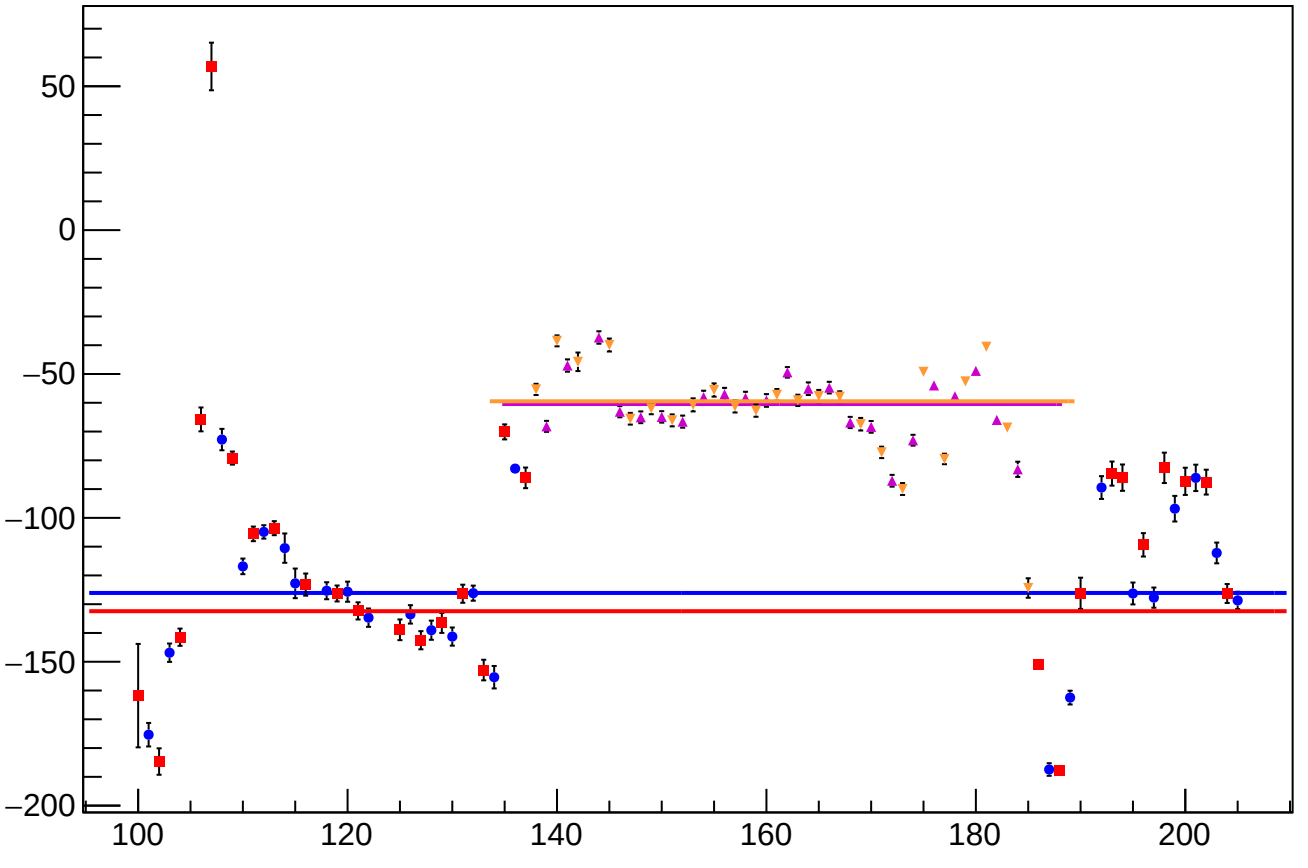
Left: 4.838+/-0.219 χ^2/NDF: 1482.3/46

Right: -1.019+/-0.441 χ^2/NDF: 508.2/52

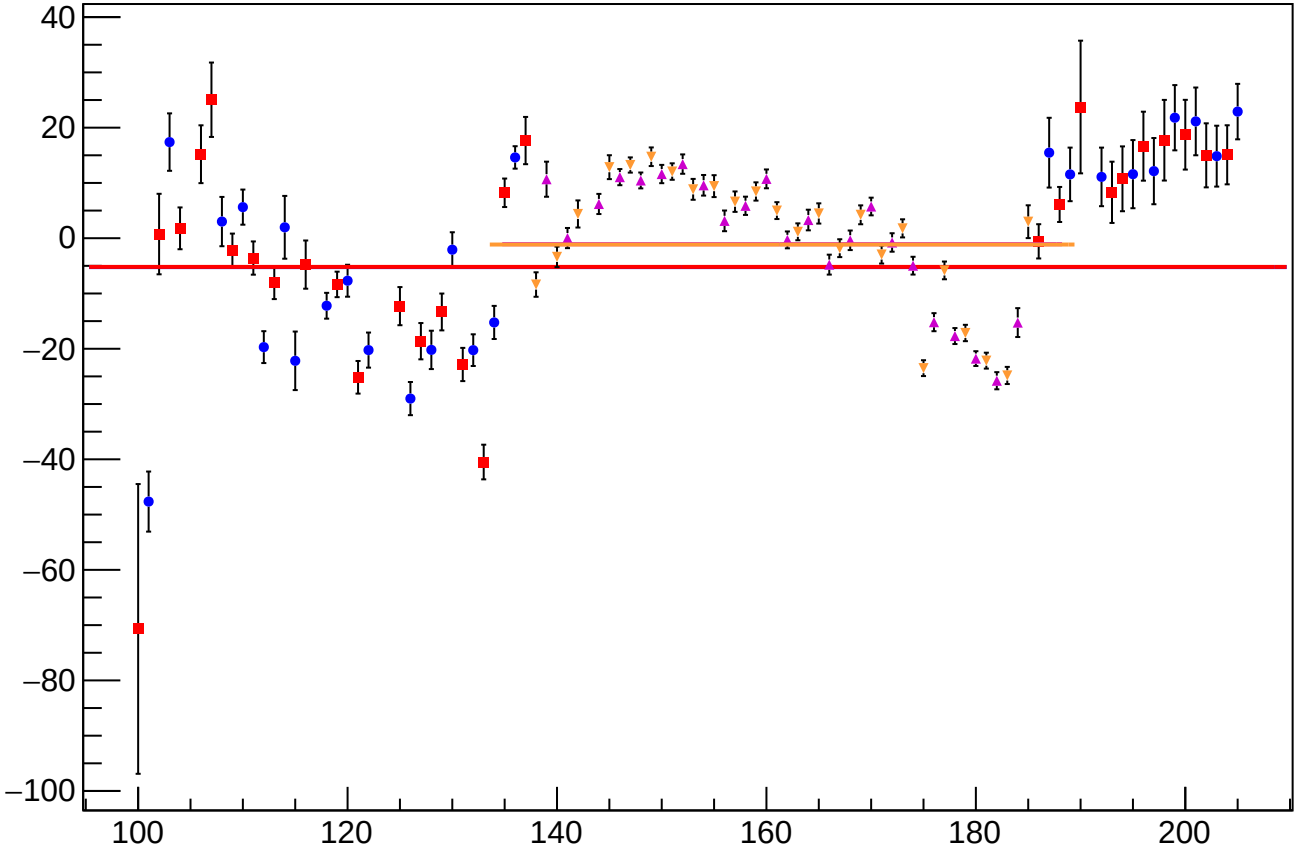
In: 3.760+/-0.281 χ^2/NDF:1054.8/47

Out: 3.602+/-0.274 χ^2/NDF:1077.1/51

All: 3.679+/-0.196 χ^2/NDF: 2132.0/99


reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs Slug, Sign Corrected
50
0
−50
−100
−150
−200
100
120
140
160
180
200
Right In: -126.089+/-0.617 χ²/NDF: 2448.5/24
Left Out: -59.480+/-0.395 χ²/NDF:1372.3/23
Right Out: -132.433+/-0.546 χ²/NDF: 5319.4/27
Left In: -60.435+/-0.400 χ²/NDF:668.3/22
Left: -59.952+/-0.281 χ²/NDF: 2043.4/46
Right: -129.648+/-0.409 χ²/NDF: 7827.2/52
In: -79.832+/-0.335 χ²/NDF:11095.9/47
Out: -84.551+/-0.320 χ²/NDF:18418.5/51
All: -82.303+/-0.231 χ²/NDF: 29618.1/99

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -5.225+/-0.732 χ^2/NDF: 513.0/24

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

Right Out: -5.191+/-0.720 χ^2/NDF: 436.5/27

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

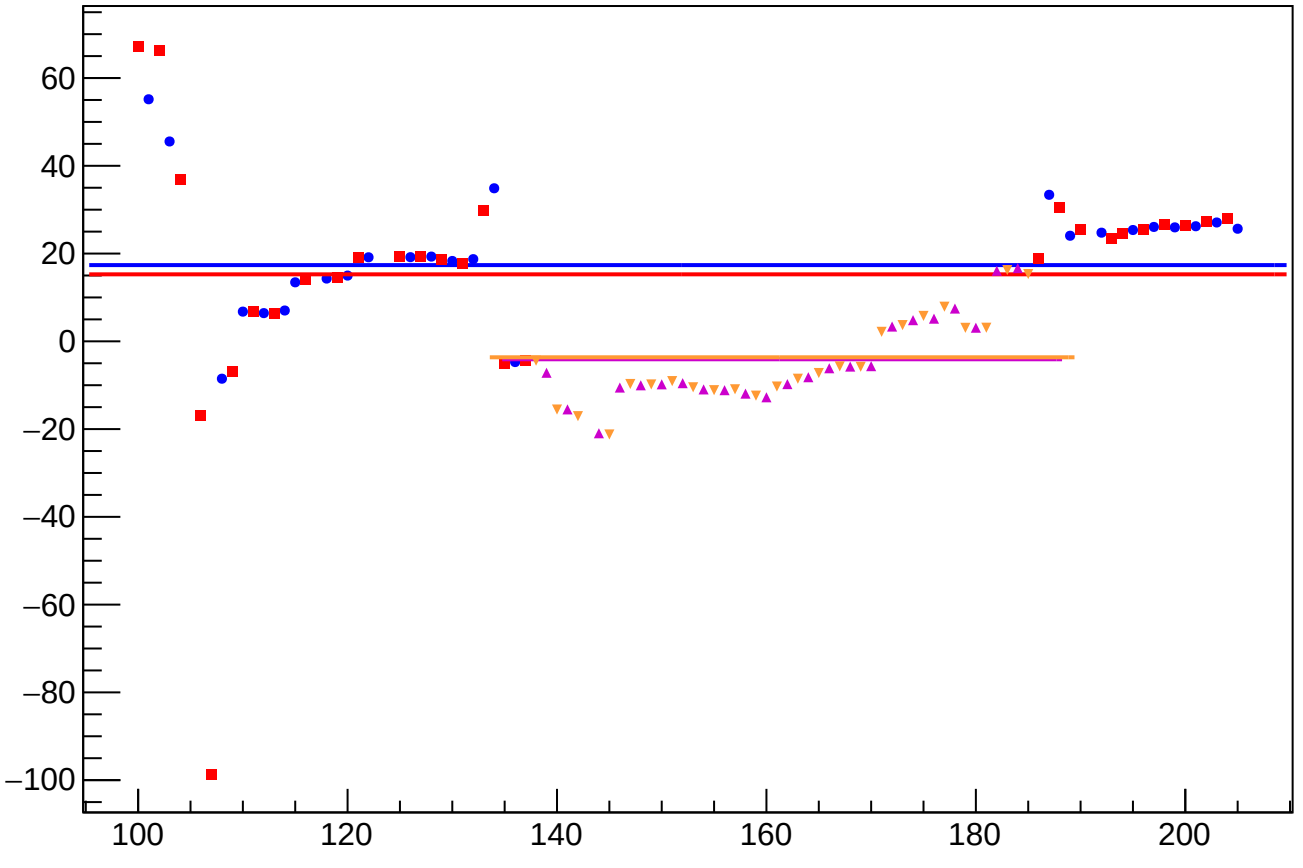
Left: -1.114+/-0.247 χ^2/NDF: 2460.4/46

Right: -5.207+/-0.513 χ^2/NDF: 949.5/52

In: -1.859+/-0.317 χ^2/NDF:1696.4/47

Out: -1.902+/-0.312 χ^2/NDF:1765.2/51

All: -1.881+/-0.222 χ^2/NDF: 3461.6/99



Right In: 17.372+/-0.037 χ^2/NDF: 208507.5/24

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 15.267+/-0.038 χ^2/NDF: 341087.4/27

Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

Left: -3.864+/-0.011 χ^2/NDF: 679574.3/46

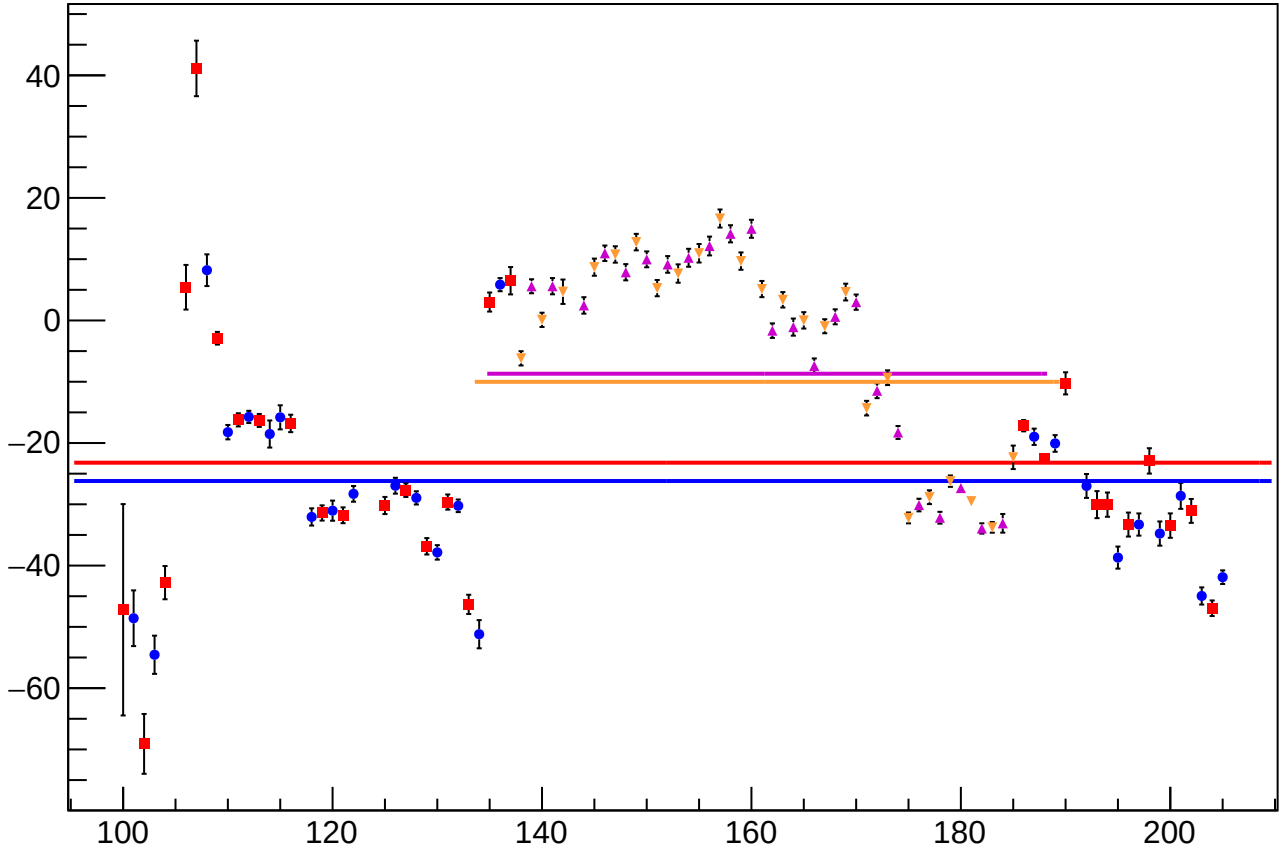
Right: 16.322+/-0.027 χ^2/NDF: 551172.1/52

In: -0.940+/-0.014 χ^2/NDF:822144.5/47

Out: -0.899+/-0.014 χ^2/NDF:903915.2/51

All: -0.920+/-0.010 χ^2/NDF: 1726063.9/99

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: -26.201+/-0.290 χ^2/NDF: 2148.6/24

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

Right Out: -23.209+/-0.272 χ^2/NDF: 2369.7/27

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

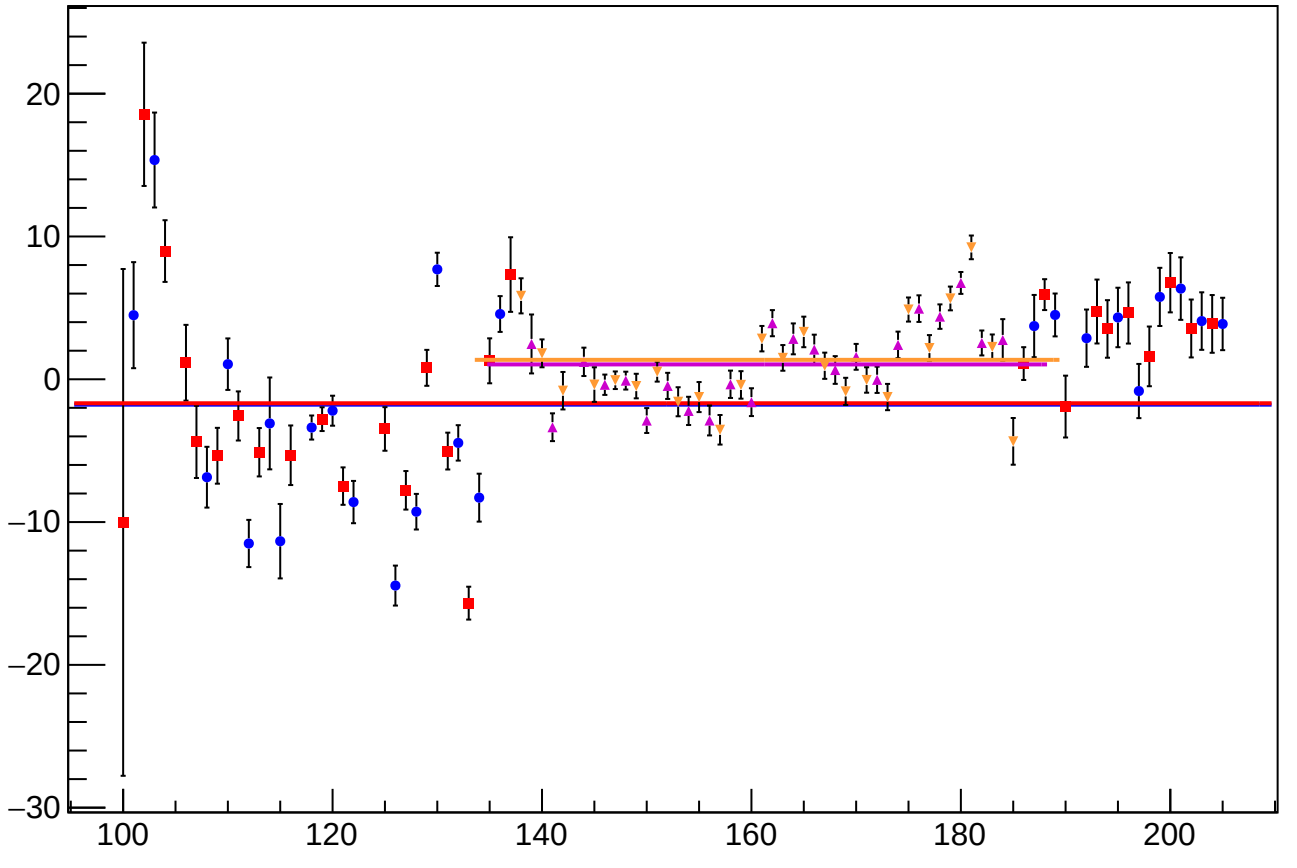
Left: -9.360+/-0.174 χ^2/NDF: 10013.6/46

Right: -24.609+/-0.198 χ^2/NDF: 4575.1/52

In: -16.085+/-0.188 χ^2/NDF:9281.9/47

Out: -15.913+/-0.182 χ^2/NDF:8651.4/51

All: -15.996+/-0.131 χ^2/NDF: 17933.7/99



Right In: -1.778+/-0.316 χ^2/NDF: 424.0/24

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

Right Out: -1.680+/-0.305 χ^2/NDF: 383.4/27

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

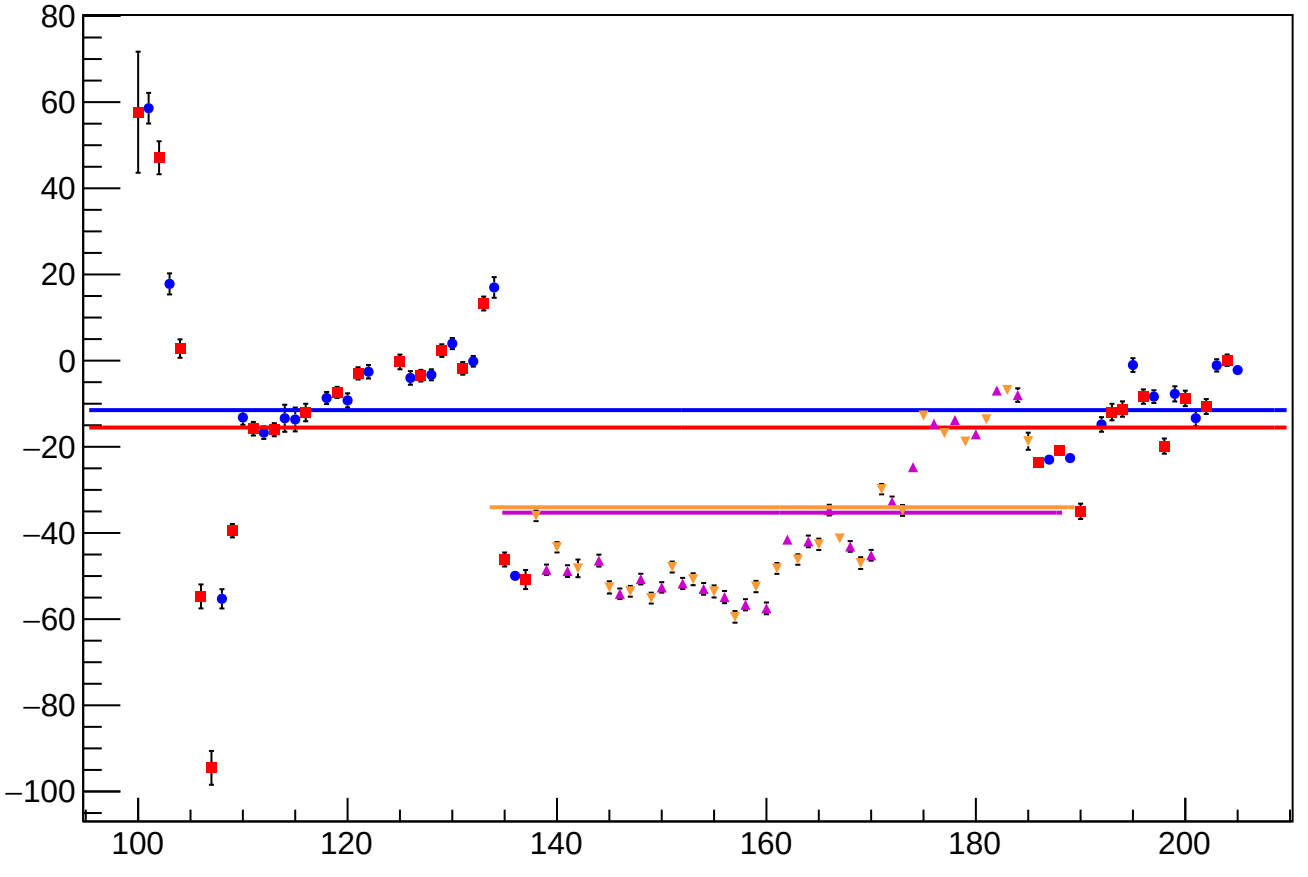
Left: 1.204+/-0.135 χ^2/NDF: 437.8/46

Right: -1.727+/-0.220 χ^2/NDF: 807.4/52

In: 0.279+/-0.164 χ^2/NDF:678.1/47

Out: 0.524+/-0.160 χ^2/NDF:695.5/51

All: 0.404+/-0.115 χ^2/NDF: 1374.7/99



Right In: -11.488+/-0.306 χ^2/NDF: 3035.7/24

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

Right Out: -15.529+/-0.277 χ^2/NDF: 3164.3/27

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

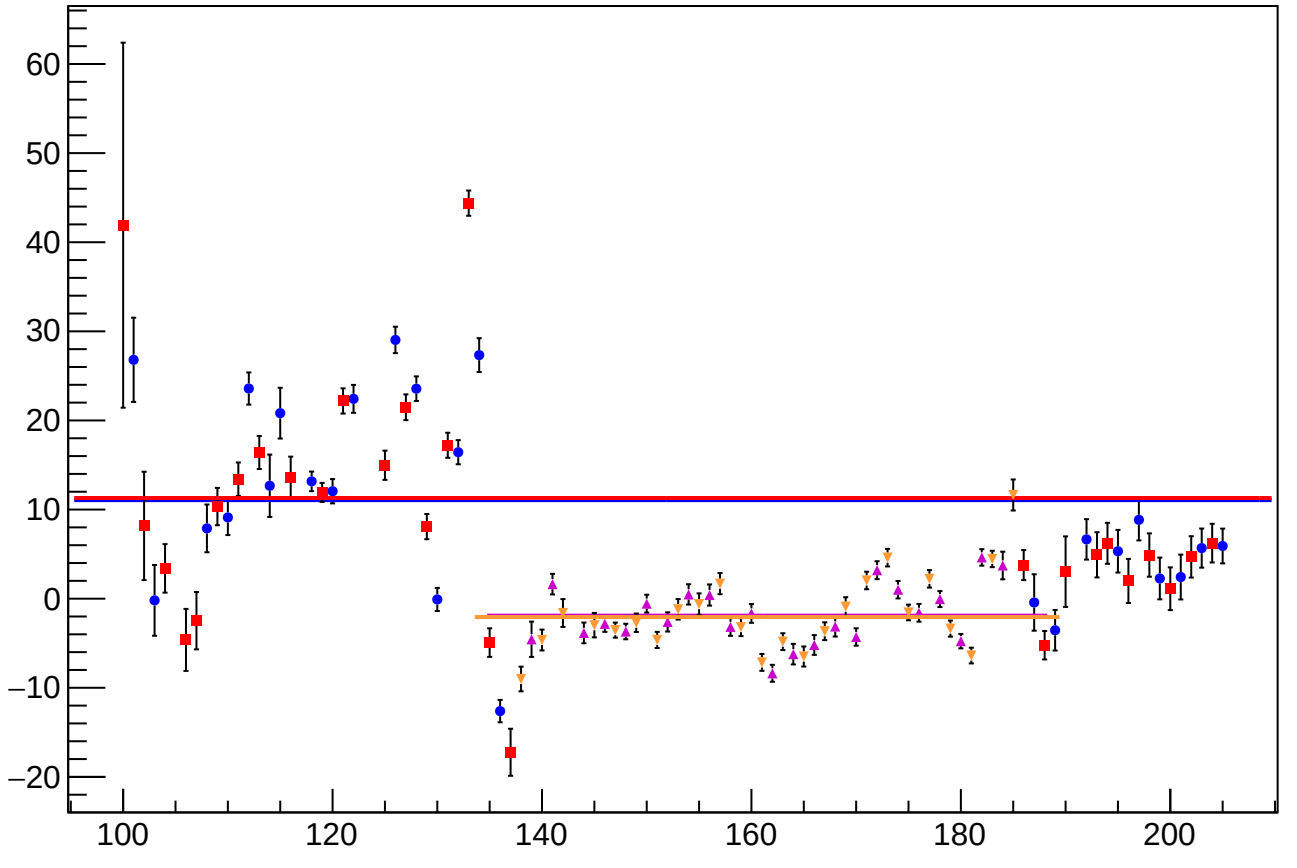
Left: -34.653+/-0.173 χ^2/NDF: 9976.8/46

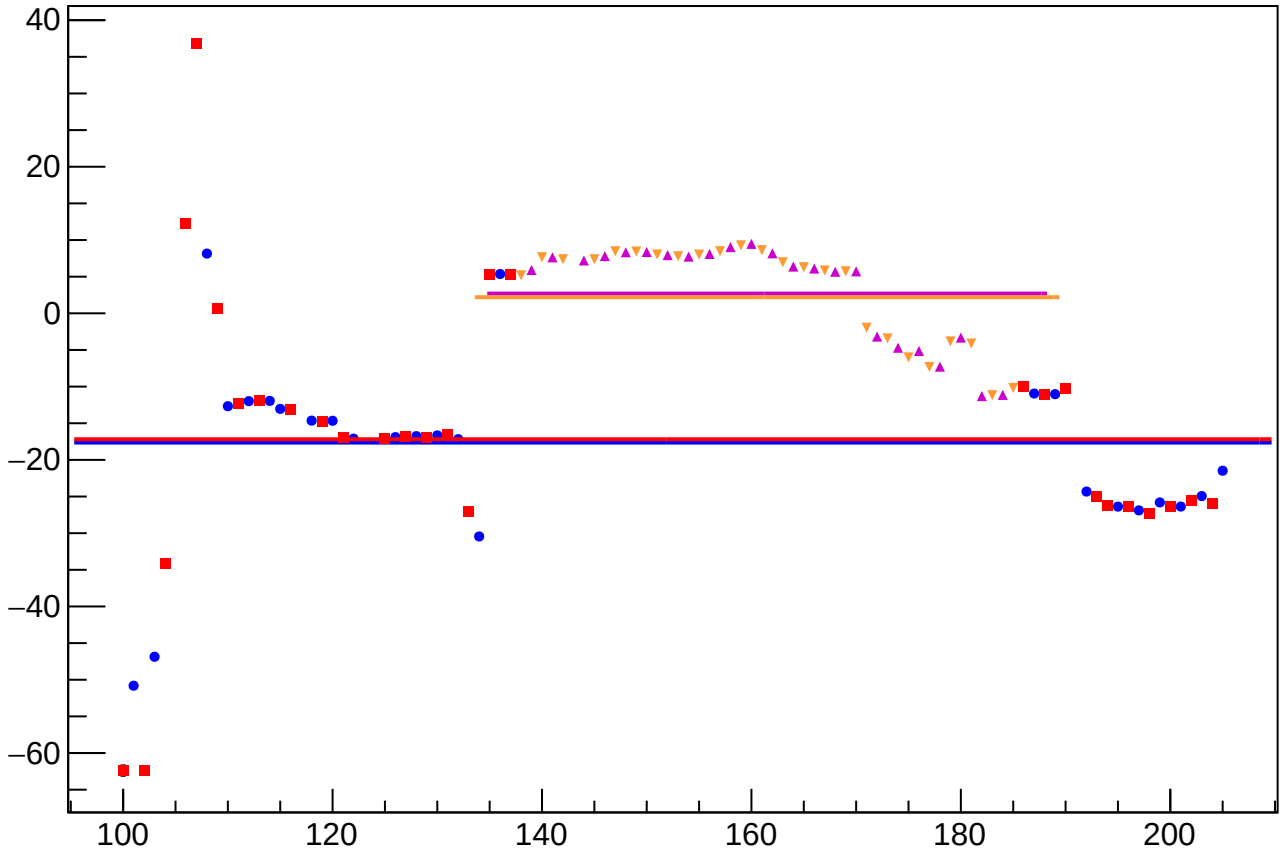
Right: -13.713+/-0.205 χ^2/NDF: 6296.0/52

In: -25.977+/-0.191 χ^2/NDF:11711.4/47

Out: -25.991+/-0.182 χ^2/NDF:10661.0/51

All: -25.984+/-0.132 χ^2/NDF: 22372.3/99


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: 11.058+/-0.366 χ²/NDF: 990.4/24
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 11.295+/-0.361 χ²/NDF: 1158.4/27
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
Left: -1.985+/-0.151 χ²/NDF: 554.7/46
Right: 11.178+/-0.257 χ²/NDF: 2149.1/52
In: 1.451+/-0.186 χ²/NDF:2143.4/47
Out: 1.365+/-0.183 χ²/NDF:2507.0/51
All: 1.407+/-0.130 χ²/NDF: 4650.5/99



Right In: -17.635+/-0.019 χ^2/NDF: 497714.7/24

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.185+/-0.019 χ^2/NDF: 580455.2/27

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

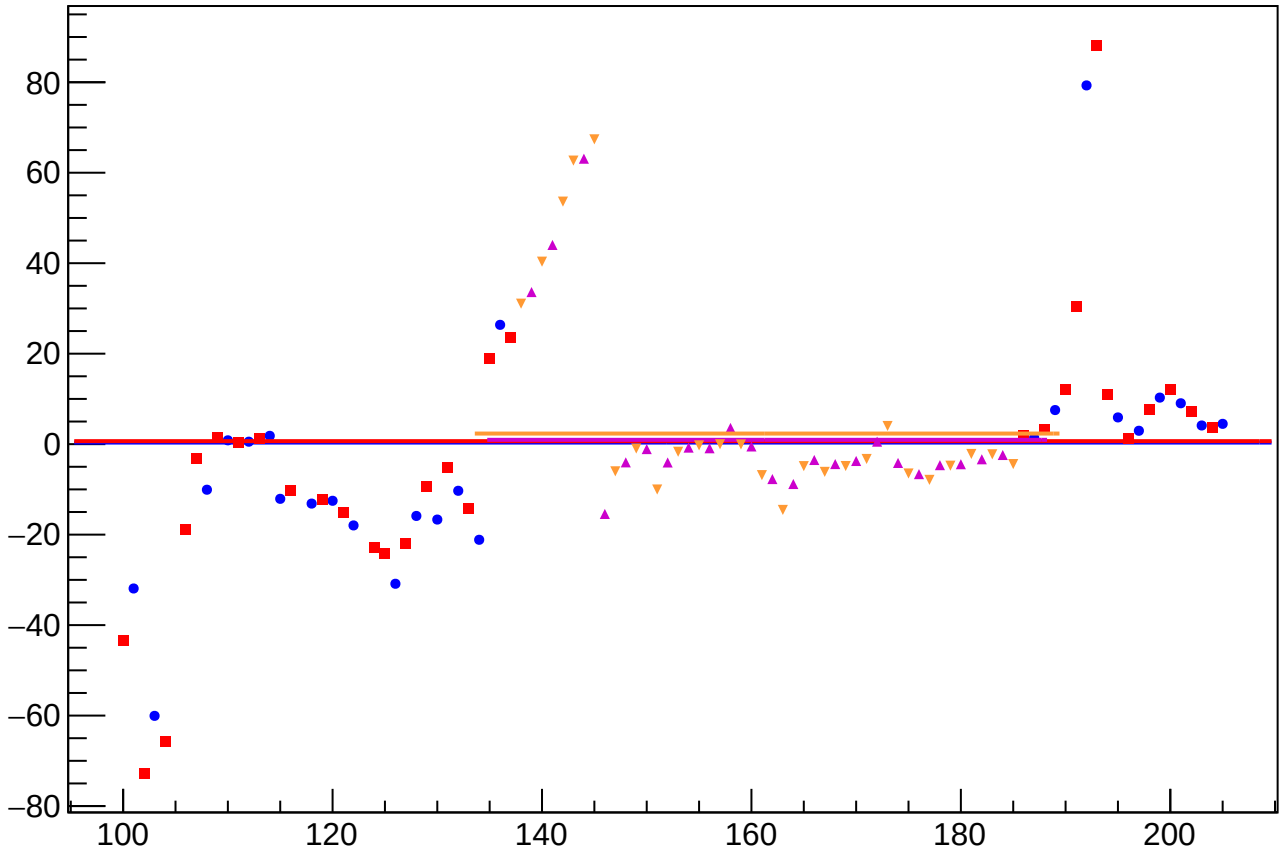
Left: 2.445+/-0.007 χ^2/NDF: 1008683.1/46

Right: -17.407+/-0.013 χ^2/NDF: 1078461.3/52

In: -1.488+/-0.009 χ^2/NDF:1928146.0/47

Out: -1.837+/-0.008 χ^2/NDF:1956352.3/51

All: -1.663+/-0.006 χ^2/NDF: 3885344.2/99



Right In: 0.352+/-0.042 χ^2/NDF: 118603.5/24

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.665+/-0.037 χ^2/NDF: 119873.9/29

Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

Left: 1.643+/-0.028 χ^2/NDF: 310101.9/47

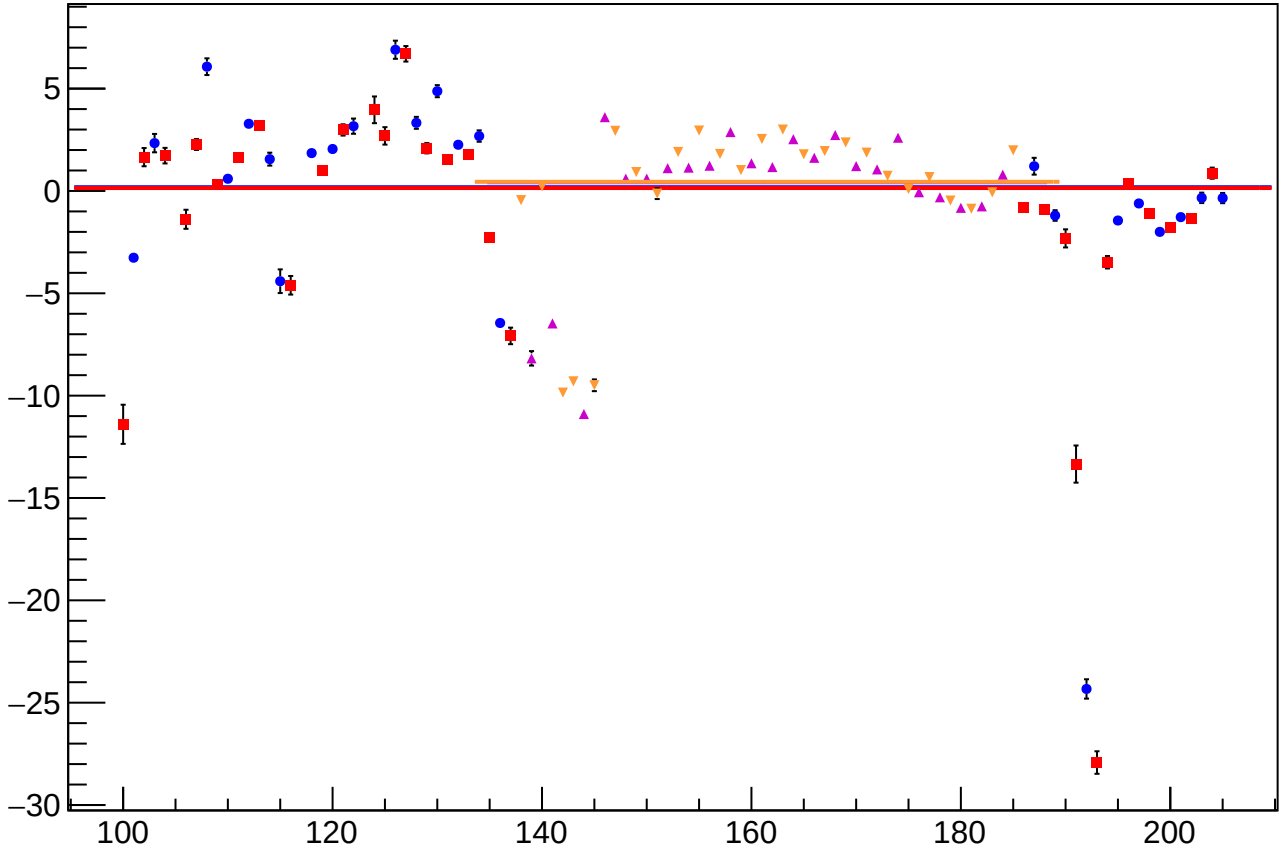
Right: 0.529+/-0.028 χ^2/NDF: 238508.5/54

In: 0.671+/-0.029 χ^2/NDF:251231.9/47

Out: 1.430+/-0.027 χ^2/NDF:297802.5/54

All: 1.074+/-0.020 χ^2/NDF: 549399.3/102

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.182+/-0.048 χ^2/NDF: 5826.1/24

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.142+/-0.046 χ^2/NDF: 5075.8/29

Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

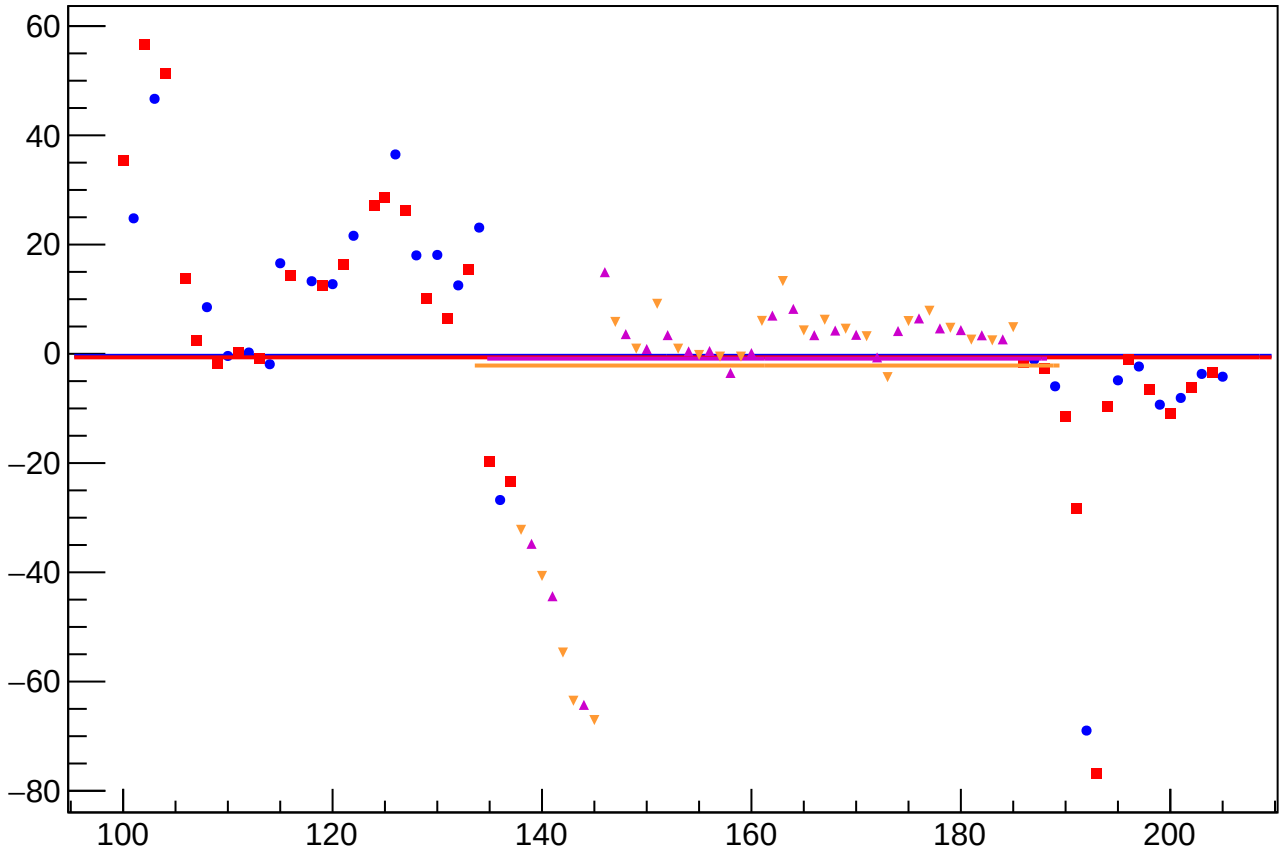
Left: 0.436+/-0.023 χ^2/NDF: 14146.8/47

Right: 0.161+/-0.033 χ^2/NDF: 10902.2/54

In: 0.354+/-0.026 χ^2/NDF:12946.6/47

Out: 0.342+/-0.027 χ^2/NDF:12149.3/54

All: 0.348+/-0.019 χ^2/NDF: 25096.1/102



Right In: -0.367+/-0.044 χ^2/NDF: 117540.2/24

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.645+/-0.039 χ^2/NDF: 118254.1/29

Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

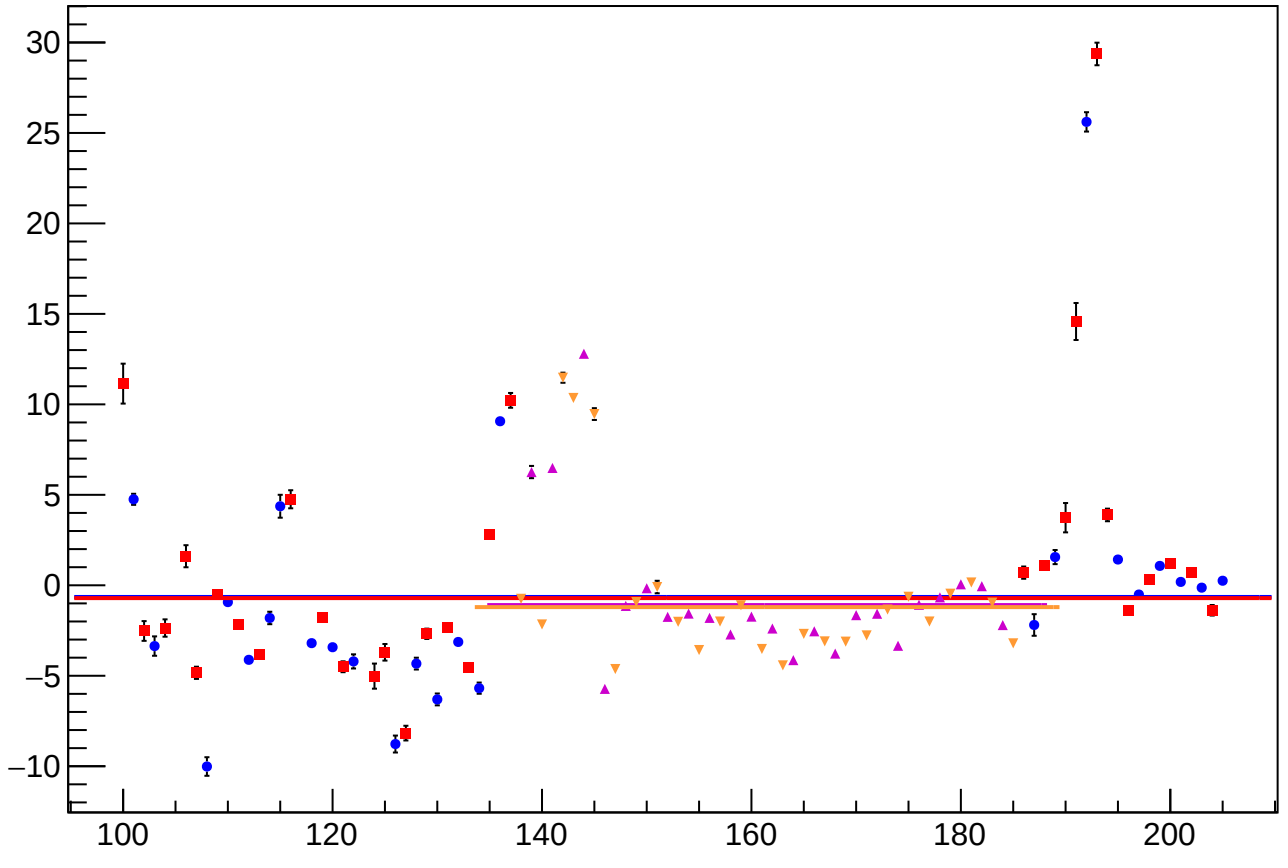
Left: -1.498+/-0.028 χ^2/NDF: 300971.3/47

Right: -0.521+/-0.029 χ^2/NDF: 235816.7/54

In: -0.652+/-0.029 χ^2/NDF:246814.2/47

Out: -1.377+/-0.028 χ^2/NDF:290233.3/54

All: -1.029+/-0.020 χ^2/NDF: 537365.9/102



Right In: -0.645+/-0.056 χ^2/NDF: 7321.0/24

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

Right Out: -0.708+/-0.053 χ^2/NDF: 5606.1/29

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

Left: -1.147+/-0.025 χ^2/NDF: 14037.2/47

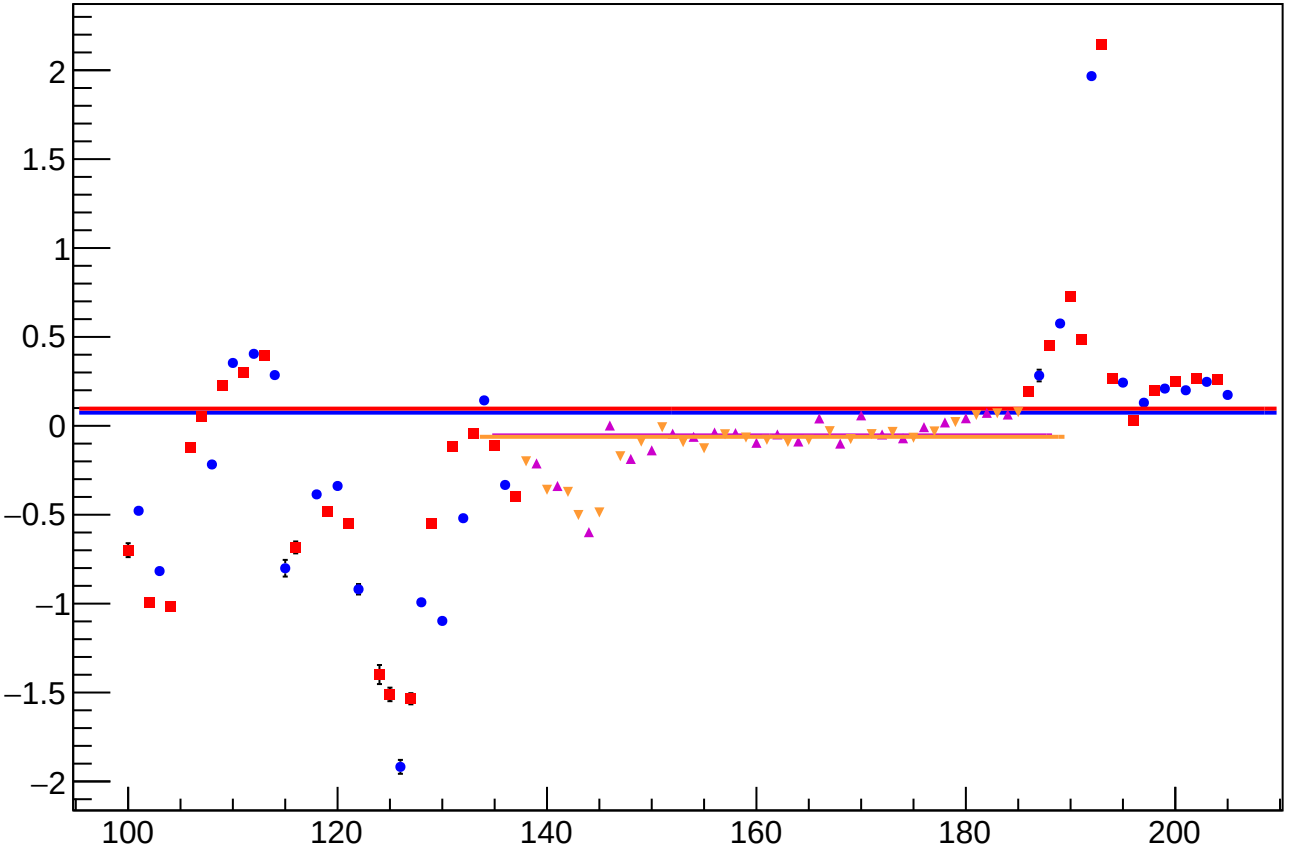
Right: -0.679+/-0.039 χ^2/NDF: 12927.7/54

In: -0.969+/-0.030 χ^2/NDF:14396.0/47

Out: -1.048+/-0.030 χ^2/NDF:12668.7/54

All: -1.008+/-0.021 χ^2/NDF: 27068.2/102

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug, Sign Corrected



Right In: 0.074+/-0.003 χ^2/NDF: 33985.9/24

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34638.9/29

Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

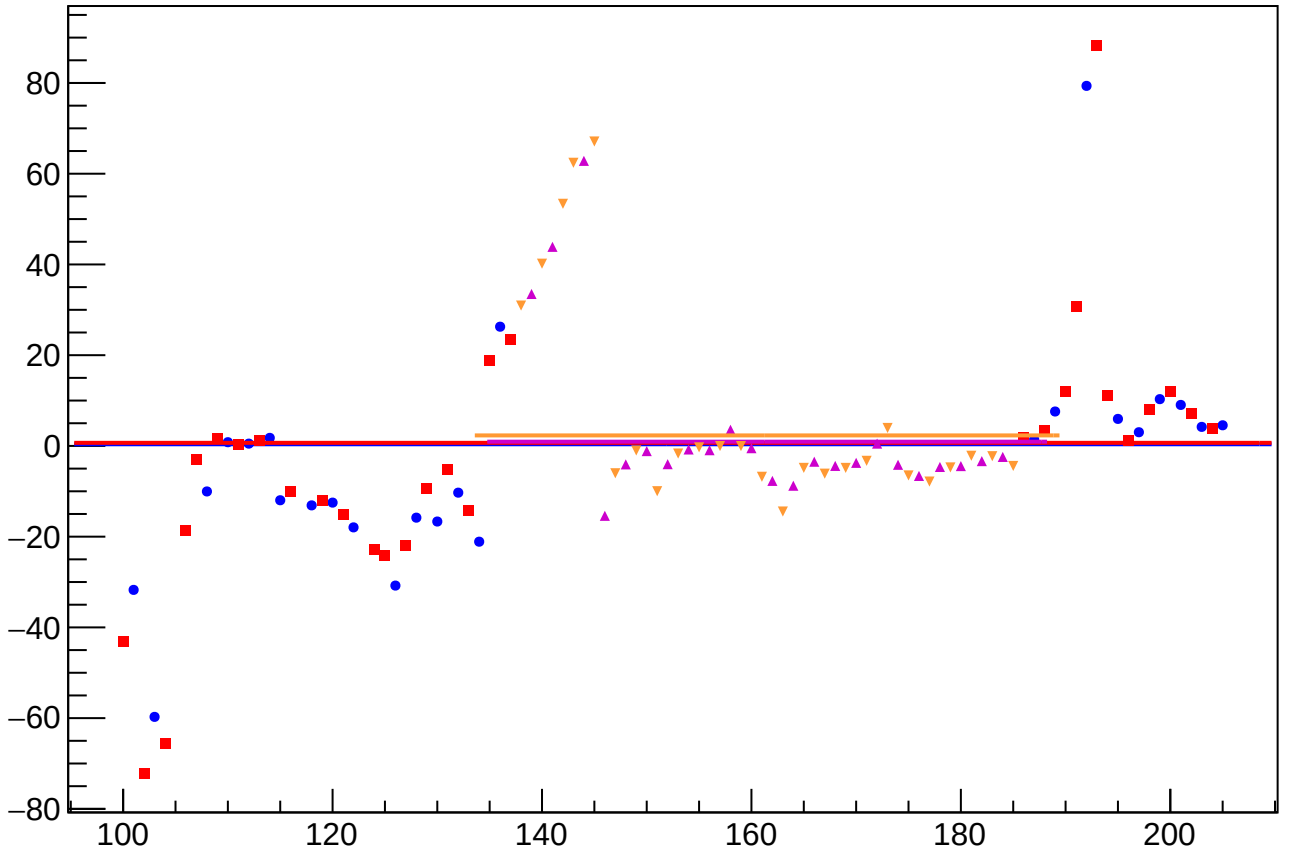
Left: -0.058+/-0.001 χ^2/NDF: 10754.7/47

Right: 0.086+/-0.002 χ^2/NDF: 68666.4/54

In: -0.021+/-0.001 χ^2/NDF:40917.6/47

Out: -0.015+/-0.001 χ^2/NDF:43310.0/54

All: -0.018+/-0.001 χ^2/NDF: 84238.0/102



Right In: 0.366+/-0.042 χ^2/NDF: 119068.6/24

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.680+/-0.037 χ^2/NDF: 120396.9/29

Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

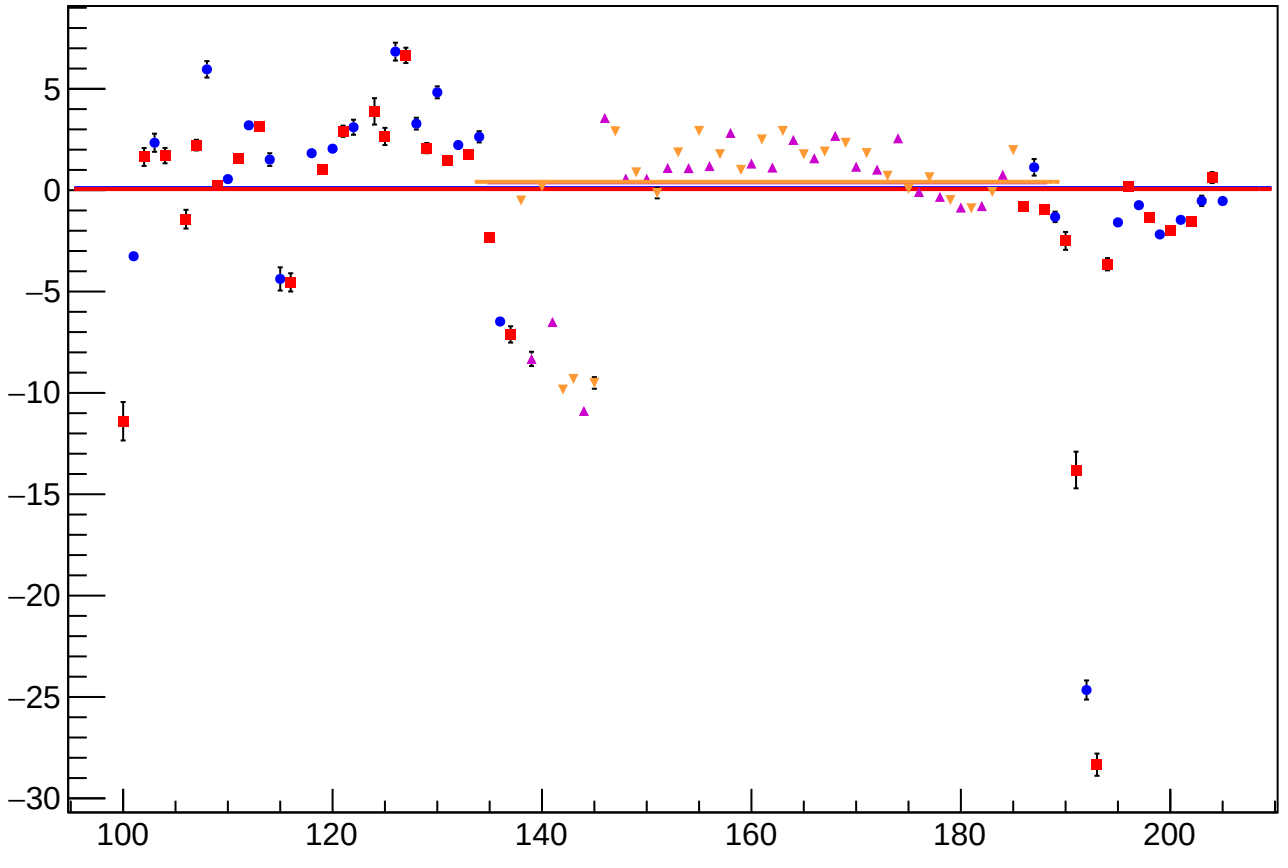
Left: 1.621+/-0.028 χ^2/NDF: 309750.0/47

Right: 0.544+/-0.028 χ^2/NDF: 239497.3/54

In: 0.665+/-0.029 χ^2/NDF:251570.8/47

Out: 1.425+/-0.027 χ^2/NDF:298050.8/54

All: 1.070+/-0.020 χ^2/NDF: 549990.5/102



Right In: 0.103+/-0.048 χ^2/NDF: 5961.7/24

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.055+/-0.045 χ^2/NDF: 5244.0/29

Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

Left: 0.401+/-0.023 χ^2/NDF: 14161.7/47

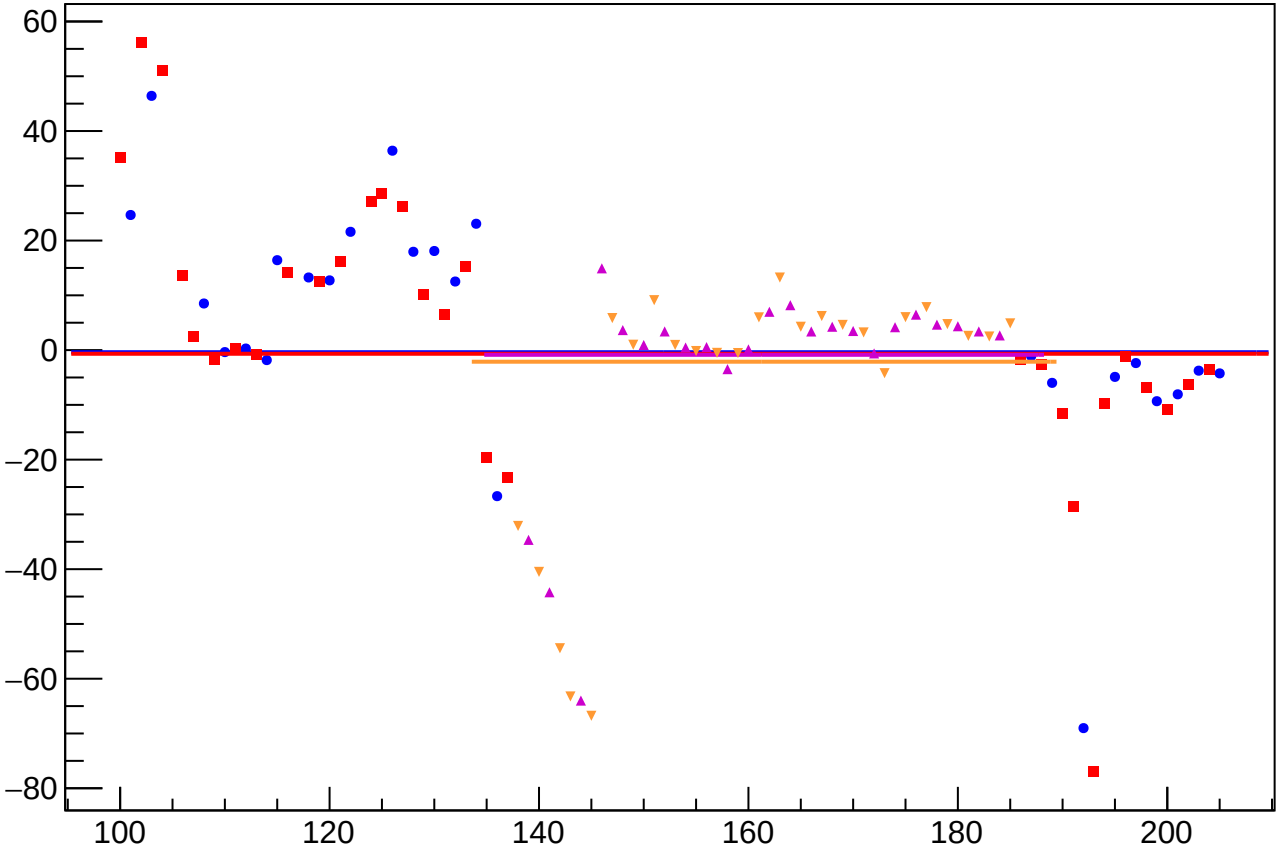
Right: 0.078+/-0.033 χ^2/NDF: 11206.2/54

In: 0.304+/-0.026 χ^2/NDF:13100.7/47

Out: 0.291+/-0.027 χ^2/NDF:12332.4/54

All: 0.297+/-0.019 χ^2/NDF: 25433.3/102

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.387+/-0.044 χ^2/NDF: 117980.0/24

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.669+/-0.039 χ^2/NDF: 118758.4/29

Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

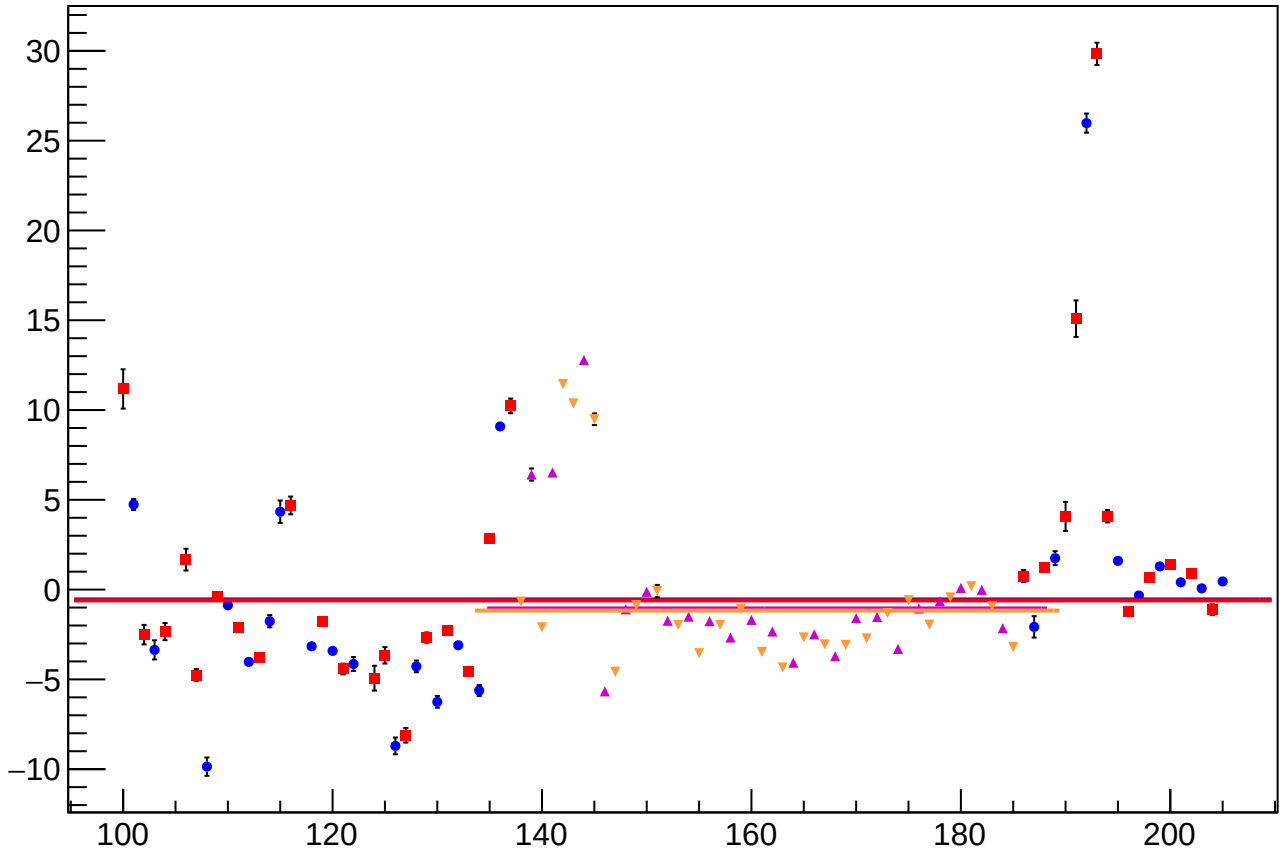
Left: -1.475+/-0.028 χ^2/NDF: 300629.4/47

Right: -0.544+/-0.029 χ^2/NDF: 236761.6/54

In: -0.648+/-0.029 χ^2/NDF:247129.5/47

Out: -1.375+/-0.028 χ^2/NDF:290469.1/54

All: -1.027+/-0.020 χ^2/NDF: 537921.7/102



Right In: -0.550+/-0.056 χ^2/NDF: 7438.1/24

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.603+/-0.053 χ^2/NDF: 5763.4/29

Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

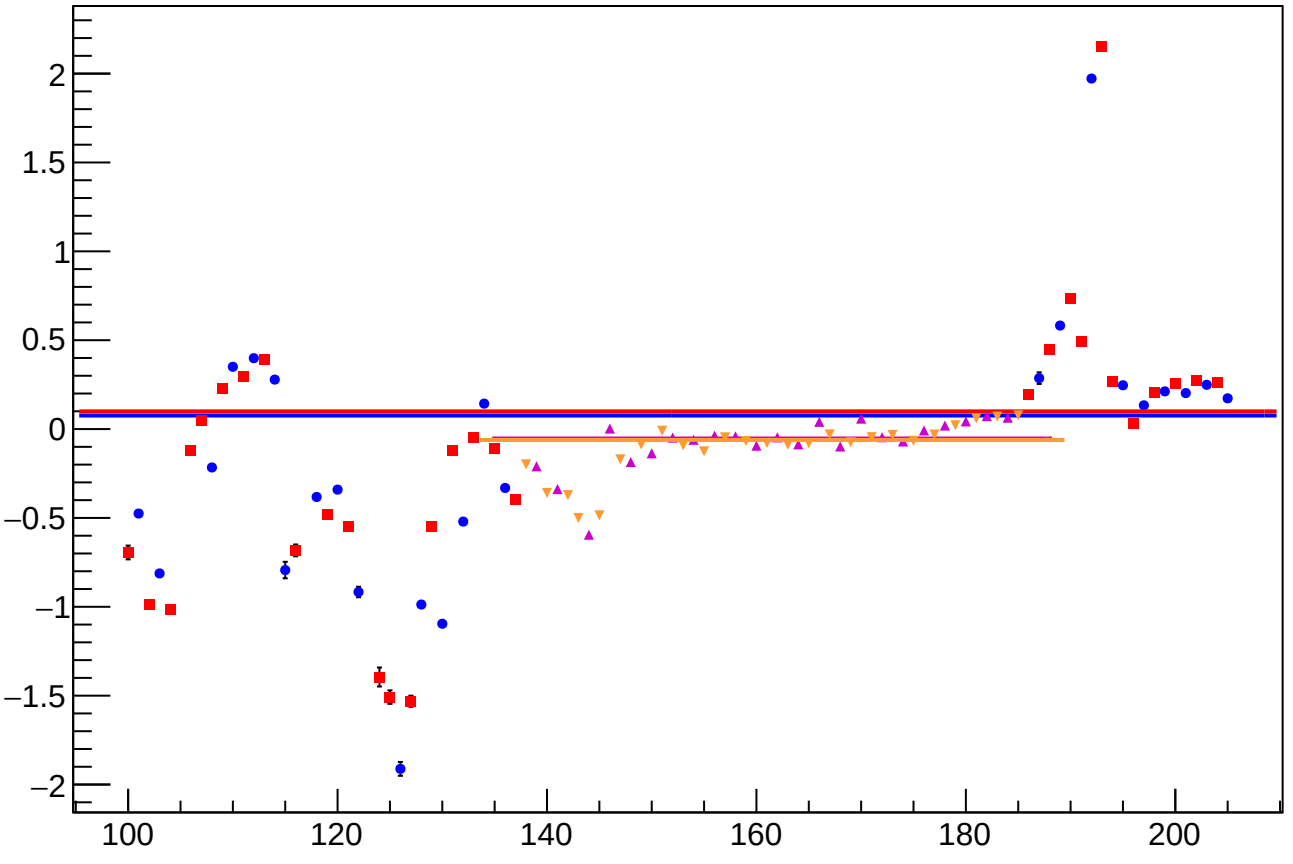
Left: -1.105+/-0.025 χ^2/NDF: 14047.8/47

Right: -0.578+/-0.038 χ^2/NDF: 13202.0/54

In: -0.910+/-0.030 χ^2/NDF:14536.1/47

Out: -0.988+/-0.030 χ^2/NDF:12842.2/54

All: -0.948+/-0.021 χ^2/NDF: 27381.8/102



Right In: 0.076+/-0.003 χ^2/NDF: 34255.5/24

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34949.4/29

Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

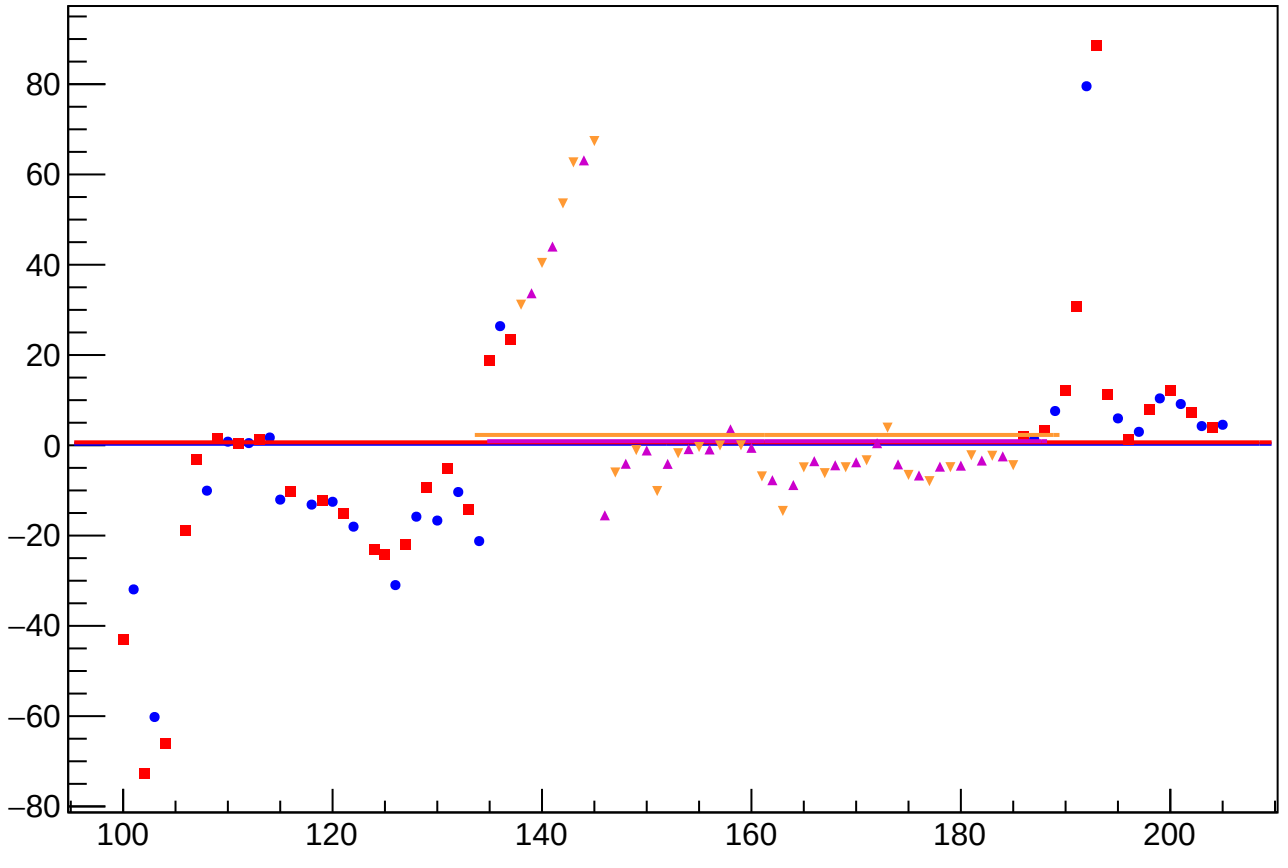
Left: -0.057+/-0.001 χ^2/NDF: 10749.6/47

Right: 0.088+/-0.002 χ^2/NDF: 69249.5/54

In: -0.019+/-0.001 χ^2/NDF:41221.0/47

Out: -0.013+/-0.001 χ^2/NDF:43753.6/54

All: -0.017+/-0.001 χ^2/NDF: 84985.1/102



Right In: 0.333+/-0.042 χ^2/NDF: 119112.3/24

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.659+/-0.037 χ^2/NDF: 120443.4/29

Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

Left: 1.598+/-0.028 χ^2/NDF: 310354.3/47

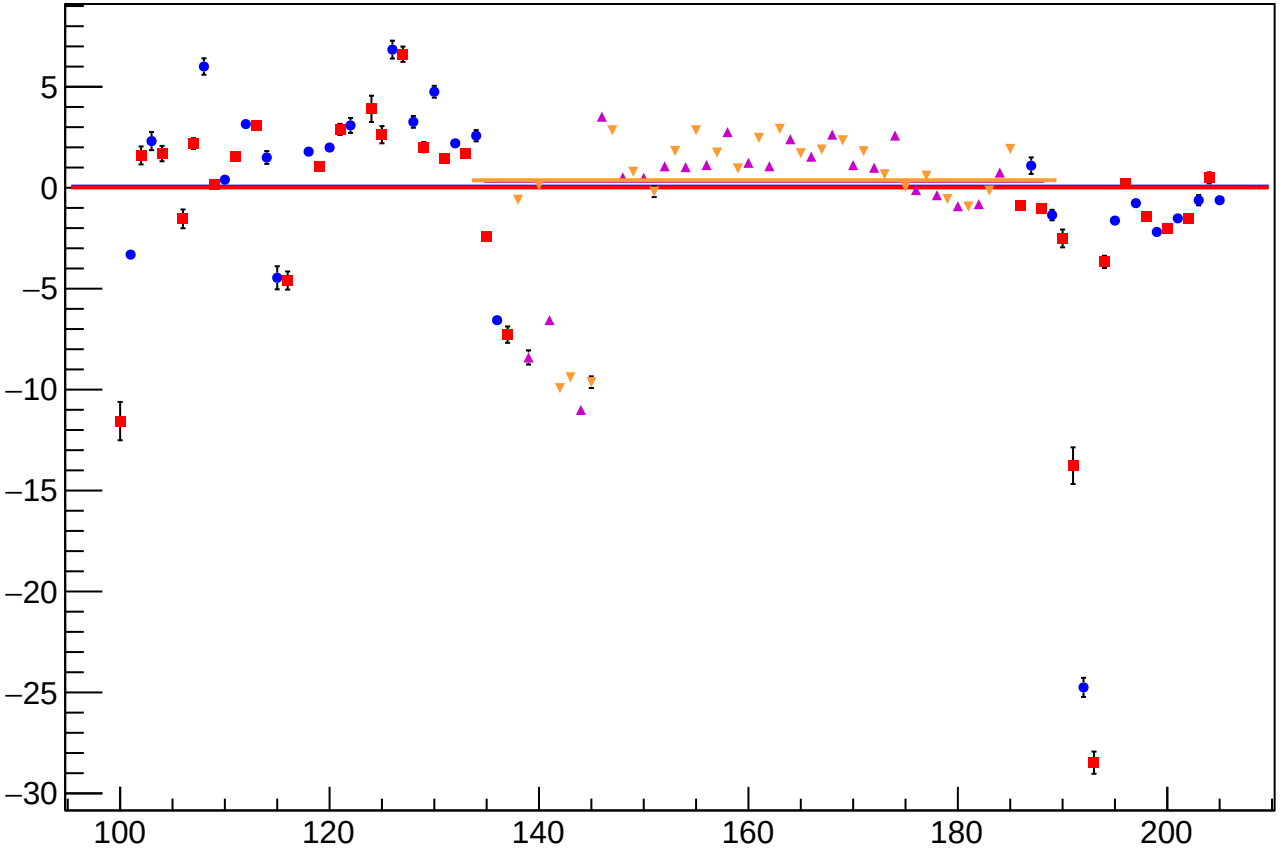
Right: 0.518+/-0.028 χ^2/NDF: 239589.6/54

In: 0.638+/-0.029 χ^2/NDF:251785.6/47

Out: 1.405+/-0.027 χ^2/NDF:298528.2/54

All: 1.046+/-0.020 χ^2/NDF: 550685.1/102

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.053+/-0.048 χ^2/NDF: 5947.4/24

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.015+/-0.046 χ^2/NDF: 5237.0/29

Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

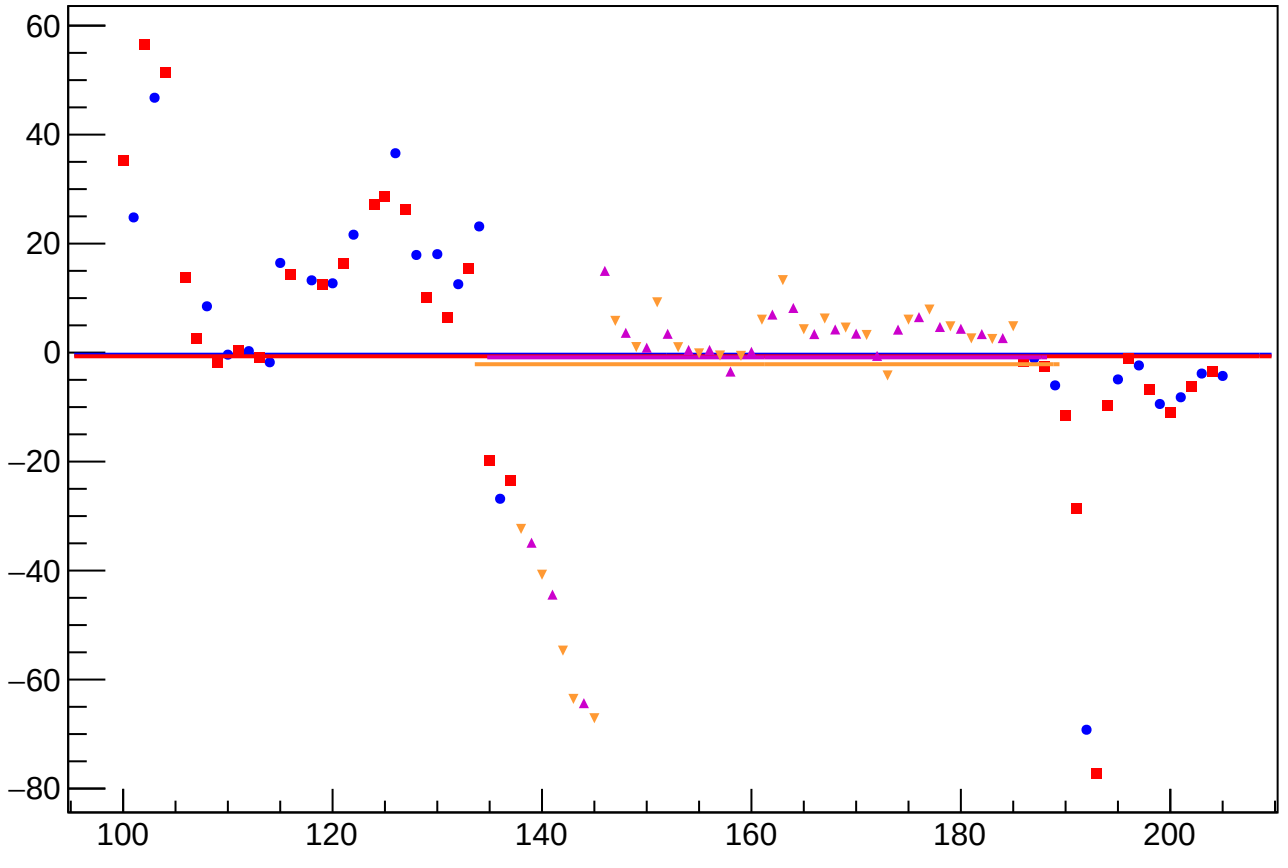
Left: 0.351+/-0.023 χ^2/NDF: 14162.7/47

Right: 0.033+/-0.033 χ^2/NDF: 11184.7/54

In: 0.252+/-0.026 χ^2/NDF:13065.8/47

Out: 0.247+/-0.027 χ^2/NDF:12344.2/54

All: 0.250+/-0.019 χ^2/NDF: 25410.1/102



Right In: -0.385+/-0.044 χ^2/NDF: 118037.4/24

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.678+/-0.039 χ^2/NDF: 118827.4/29

Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

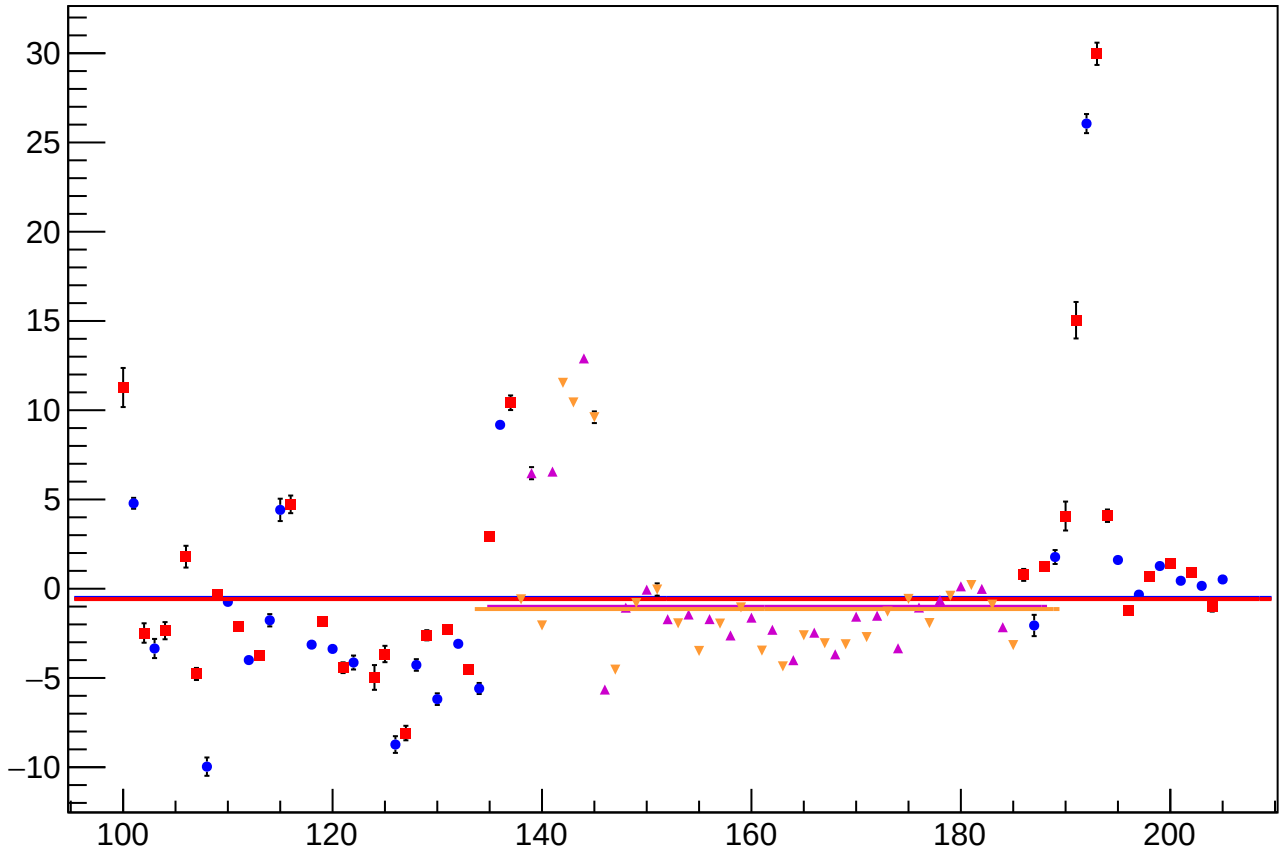
Left: -1.488+/-0.028 χ^2/NDF: 301231.6/47

Right: -0.548+/-0.029 χ^2/NDF: 236889.6/54

In: -0.655+/-0.029 χ^2/NDF:247368.8/47

Out: -1.386+/-0.028 χ^2/NDF:290964.1/54

All: -1.036+/-0.020 χ^2/NDF: 538656.8/102



Right In: -0.515+/-0.056 χ^2/NDF: 7432.3/24

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.581+/-0.053 χ^2/NDF: 5768.3/29

Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

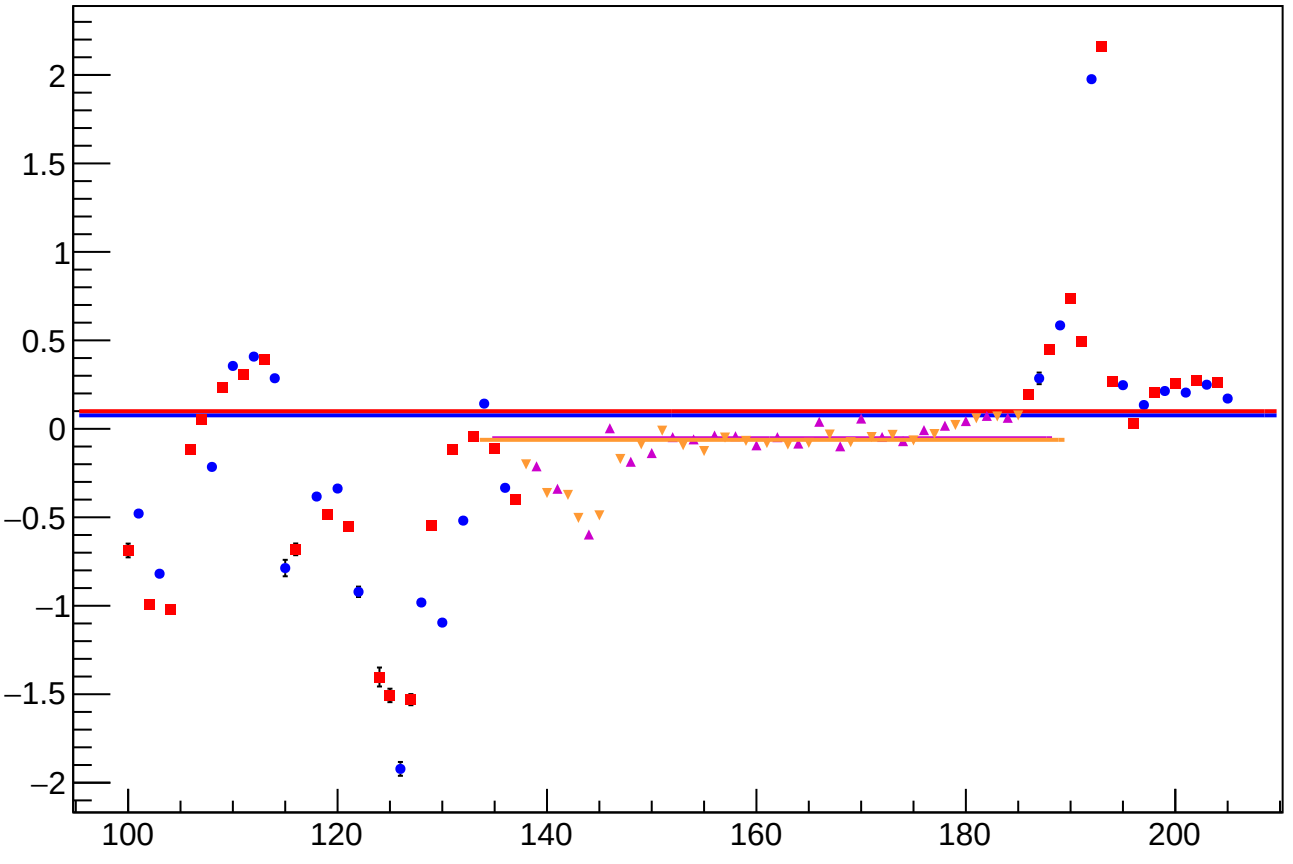
Left: -1.074+/-0.025 χ^2/NDF: 14056.4/47

Right: -0.550+/-0.039 χ^2/NDF: 13201.3/54

In: -0.875+/-0.030 χ^2/NDF:14516.2/47

Out: -0.962+/-0.030 χ^2/NDF:12866.3/54

All: -0.918+/-0.021 χ^2/NDF: 27386.8/102



Right In: 0.076+/-0.003 χ^2/NDF: 34246.6/24

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.100+/-0.002 χ^2/NDF: 34912.4/29

Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

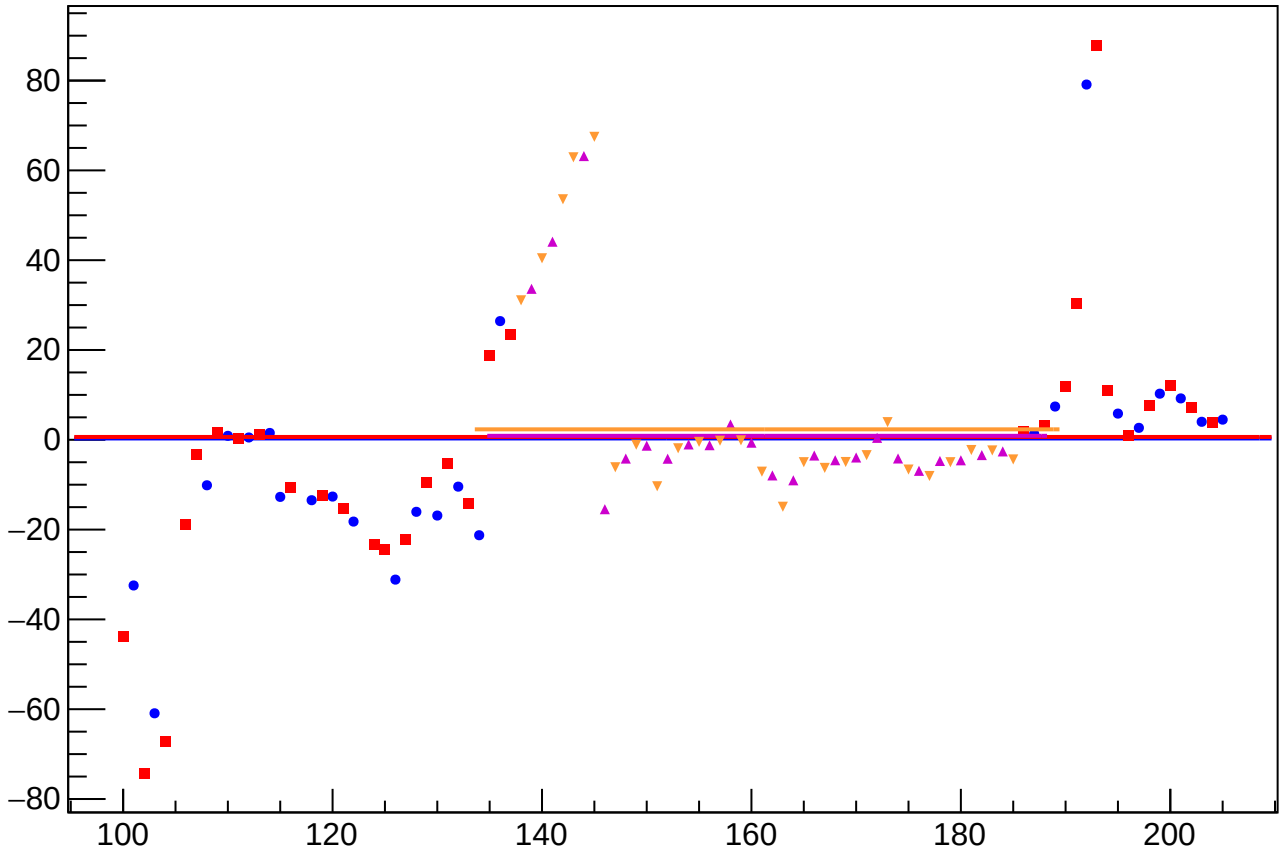
Left: -0.057+/-0.001 χ^2/NDF: 10746.2/47

Right: 0.088+/-0.002 χ^2/NDF: 69202.9/54

In: -0.020+/-0.001 χ^2/NDF:41184.9/47

Out: -0.014+/-0.001 χ^2/NDF:43726.7/54

All: -0.017+/-0.001 χ^2/NDF: 84920.6/102



Right In: 0.298+/-0.043 χ^2/NDF: 117242.1/24

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.630+/-0.037 χ^2/NDF: 118797.1/29

Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

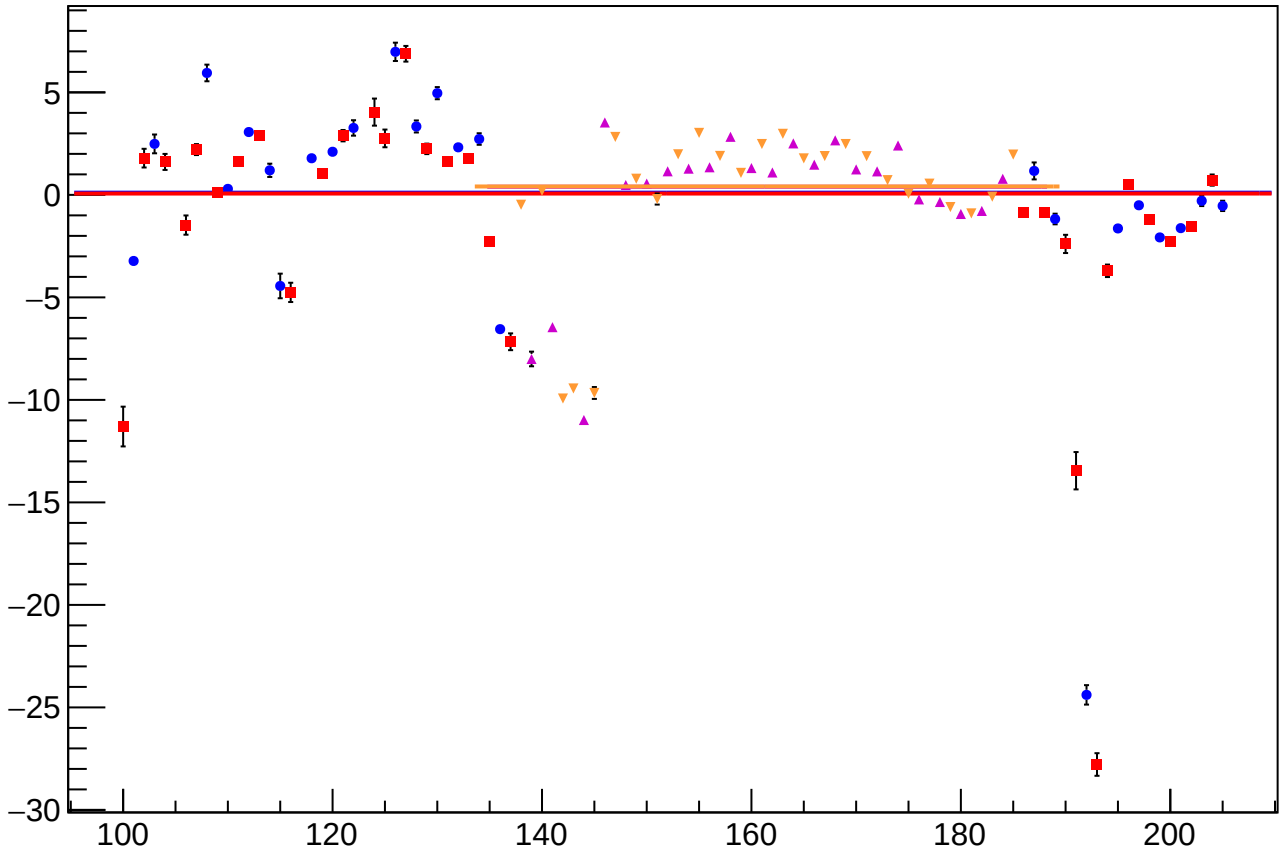
Left: 1.602+/-0.029 χ^2/NDF: 305685.7/47

Right: 0.486+/-0.028 χ^2/NDF: 236073.3/54

In: 0.606+/-0.029 χ^2/NDF:247758.7/47

Out: 1.401+/-0.028 χ^2/NDF:294378.0/54

All: 1.029+/-0.020 χ^2/NDF: 542523.0/102



Right In: 0.108+/-0.049 χ^2/NDF: 5786.8/24

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.065+/-0.046 χ^2/NDF: 5042.7/29

Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

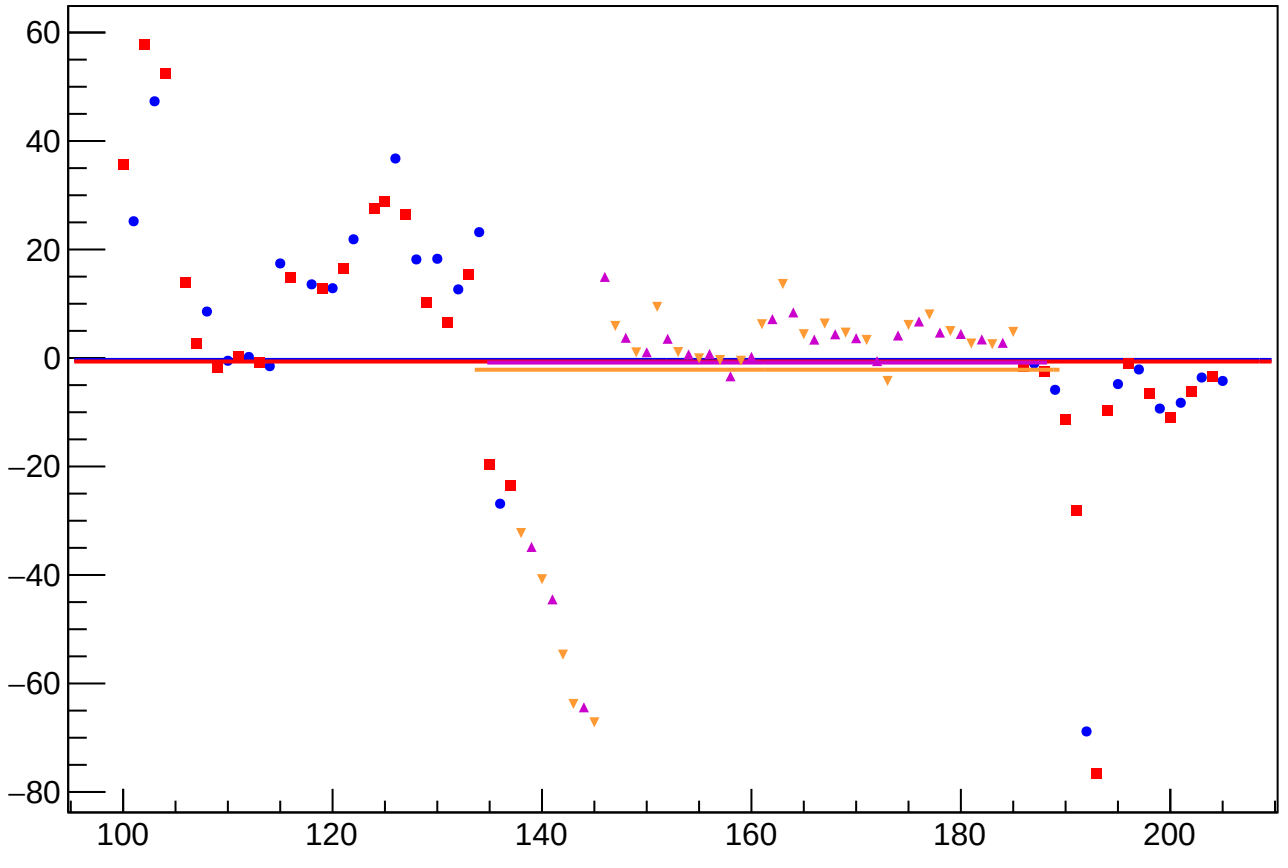
Left: 0.403+/-0.023 χ^2/NDF: 13980.0/47

Right: 0.085+/-0.034 χ^2/NDF: 10829.9/54

In: 0.310+/-0.027 χ^2/NDF:12742.9/47

Out: 0.291+/-0.027 χ^2/NDF:12127.1/54

All: 0.301+/-0.019 χ^2/NDF: 24870.3/102



Right In: -0.355+/-0.044 χ^2/NDF: 116205.4/24

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.653+/-0.040 χ^2/NDF: 117188.6/29

Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

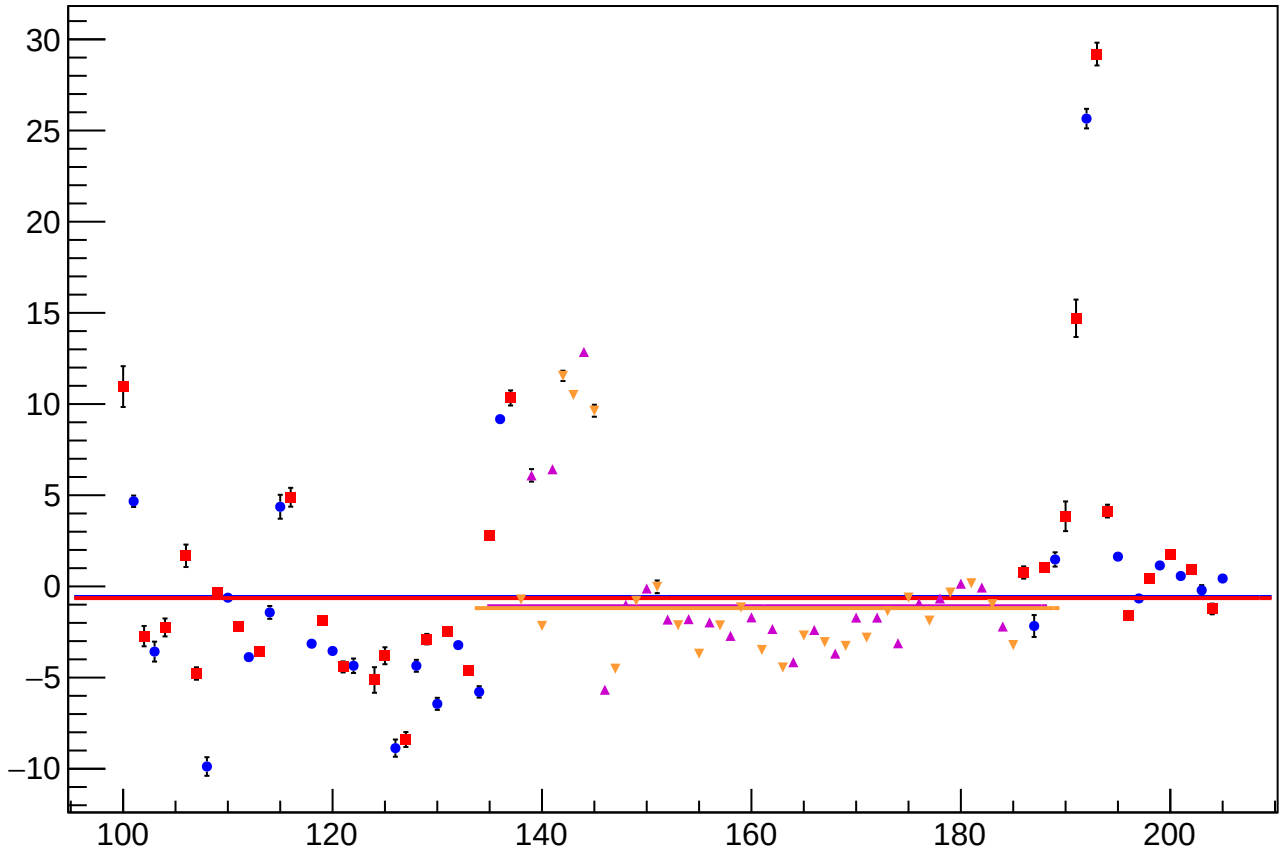
Left: -1.489+/-0.029 χ^2/NDF: 296654.1/47

Right: -0.521+/-0.030 χ^2/NDF: 233419.0/54

In: -0.623+/-0.030 χ^2/NDF:243406.9/47

Out: -1.382+/-0.029 χ^2/NDF:286878.6/54

All: -1.019+/-0.021 χ^2/NDF: 530623.9/102



Right In: -0.580+/-0.057 χ^2/NDF: 7270.4/24

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.641+/-0.054 χ^2/NDF: 5579.5/29

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

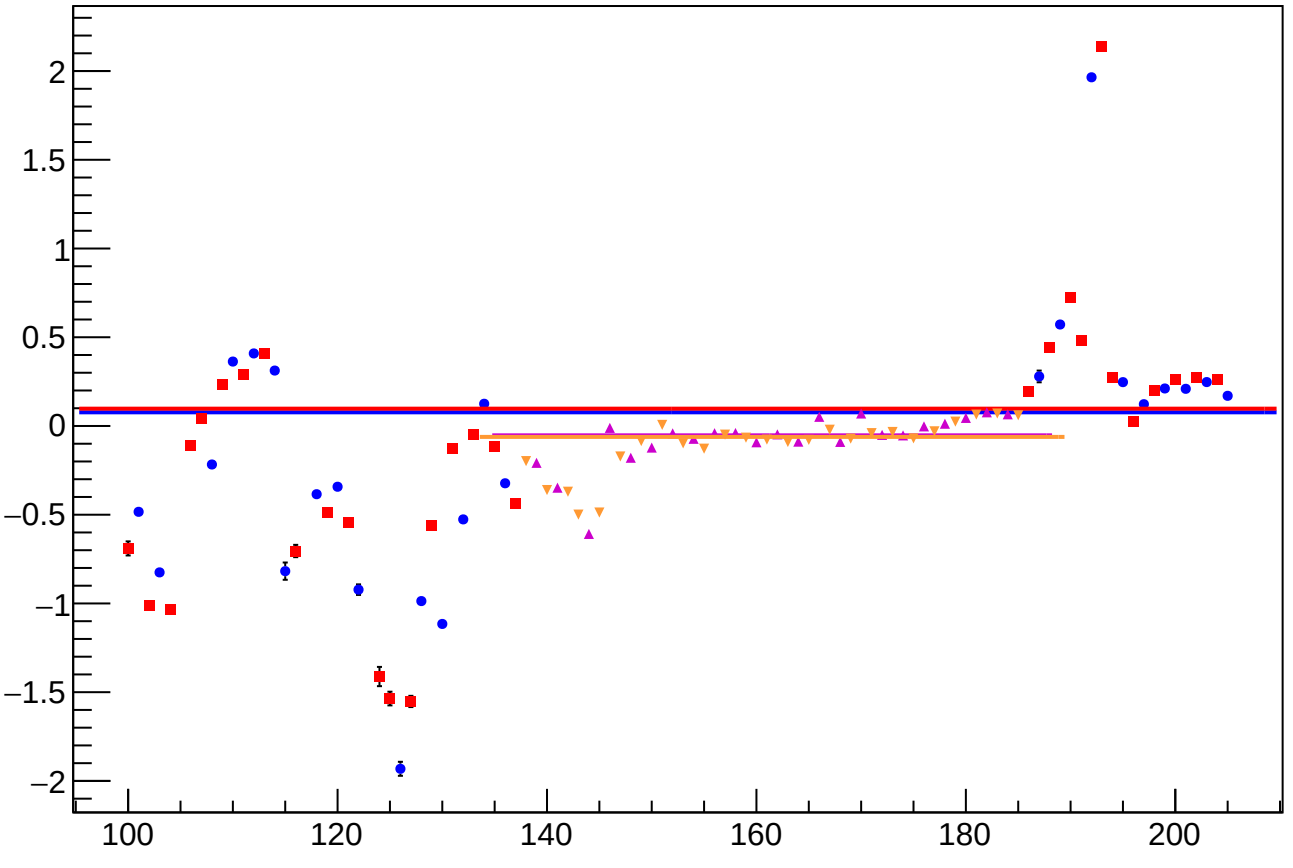
Left: -1.138+/-0.026 χ^2/NDF: 13840.6/47

Right: -0.612+/-0.039 χ^2/NDF: 12850.5/54

In: -0.947+/-0.030 χ^2/NDF:14168.6/47

Out: -1.015+/-0.031 χ^2/NDF:12645.7/54

All: -0.980+/-0.021 χ^2/NDF: 26816.8/102



Right In: 0.077+/-0.003 χ^2/NDF: 33523.7/24

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.098+/-0.002 χ^2/NDF: 34475.0/29

Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

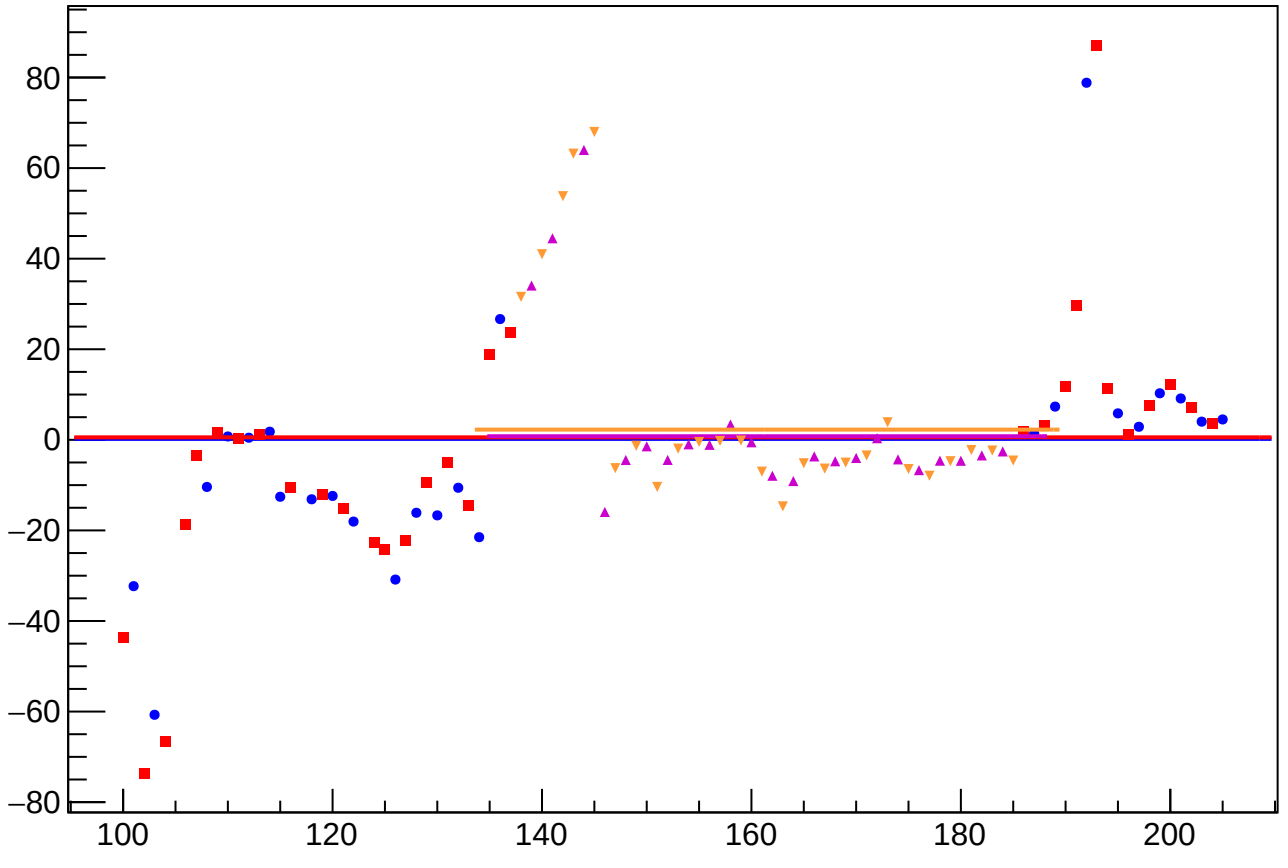
Left: -0.057+/-0.001 χ^2/NDF: 10615.2/47

Right: 0.088+/-0.002 χ^2/NDF: 68032.5/54

In: -0.019+/-0.001 χ^2/NDF:40457.8/47

Out: -0.014+/-0.001 χ^2/NDF:42944.5/54

All: -0.016+/-0.001 χ^2/NDF: 83408.7/102



Right In: 0.207+/-0.043 χ^2/NDF: 115533.0/24

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.549+/-0.038 χ^2/NDF: 116600.3/29

Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

Left: 1.518+/-0.029 χ^2/NDF: 301124.7/47

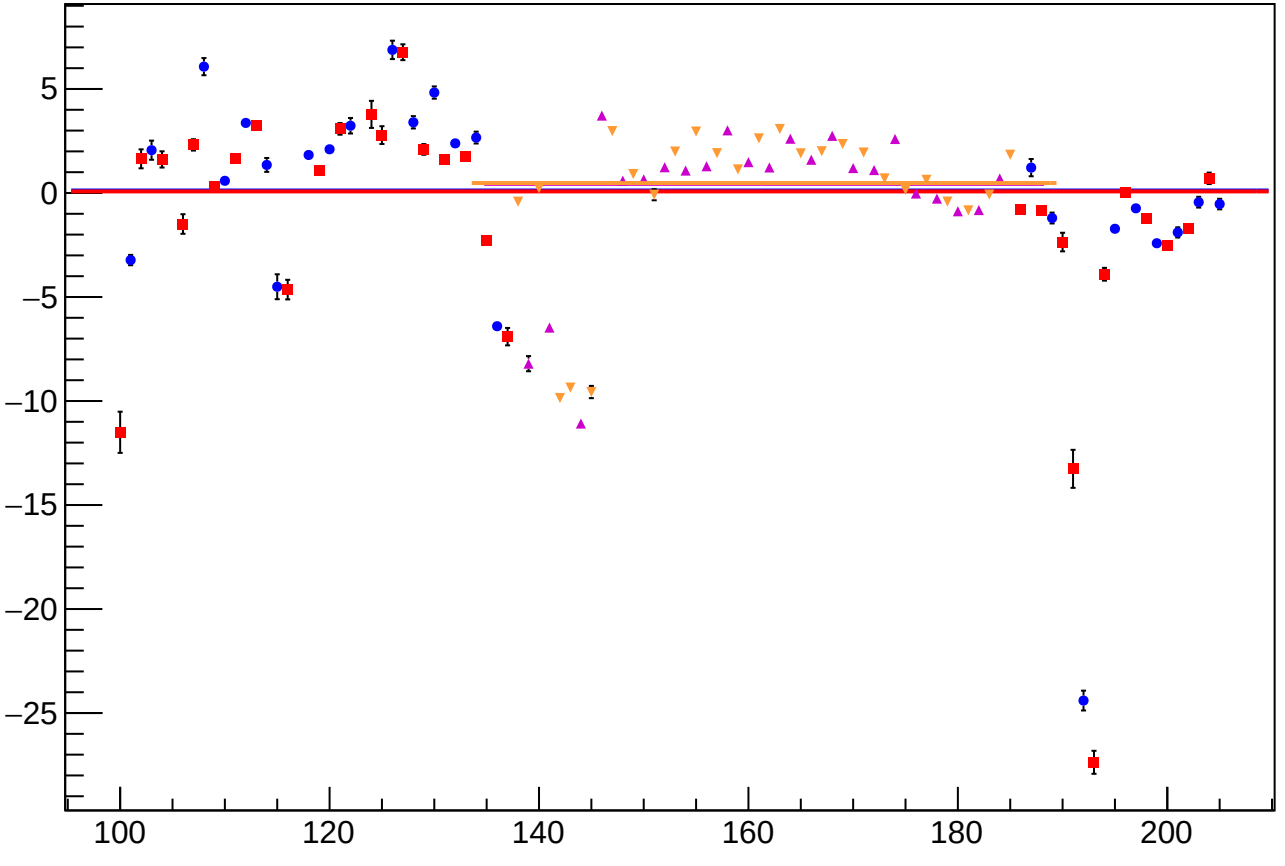
Right: 0.399+/-0.029 χ^2/NDF: 232168.1/54

In: 0.516+/-0.030 χ^2/NDF:244457.4/47

Out: 1.332+/-0.028 χ^2/NDF:289185.3/54

All: 0.949+/-0.020 χ^2/NDF: 534038.8/102

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.120+/-0.049 χ^2/NDF: 5778.1/24

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.076+/-0.047 χ^2/NDF: 4964.0/29

Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

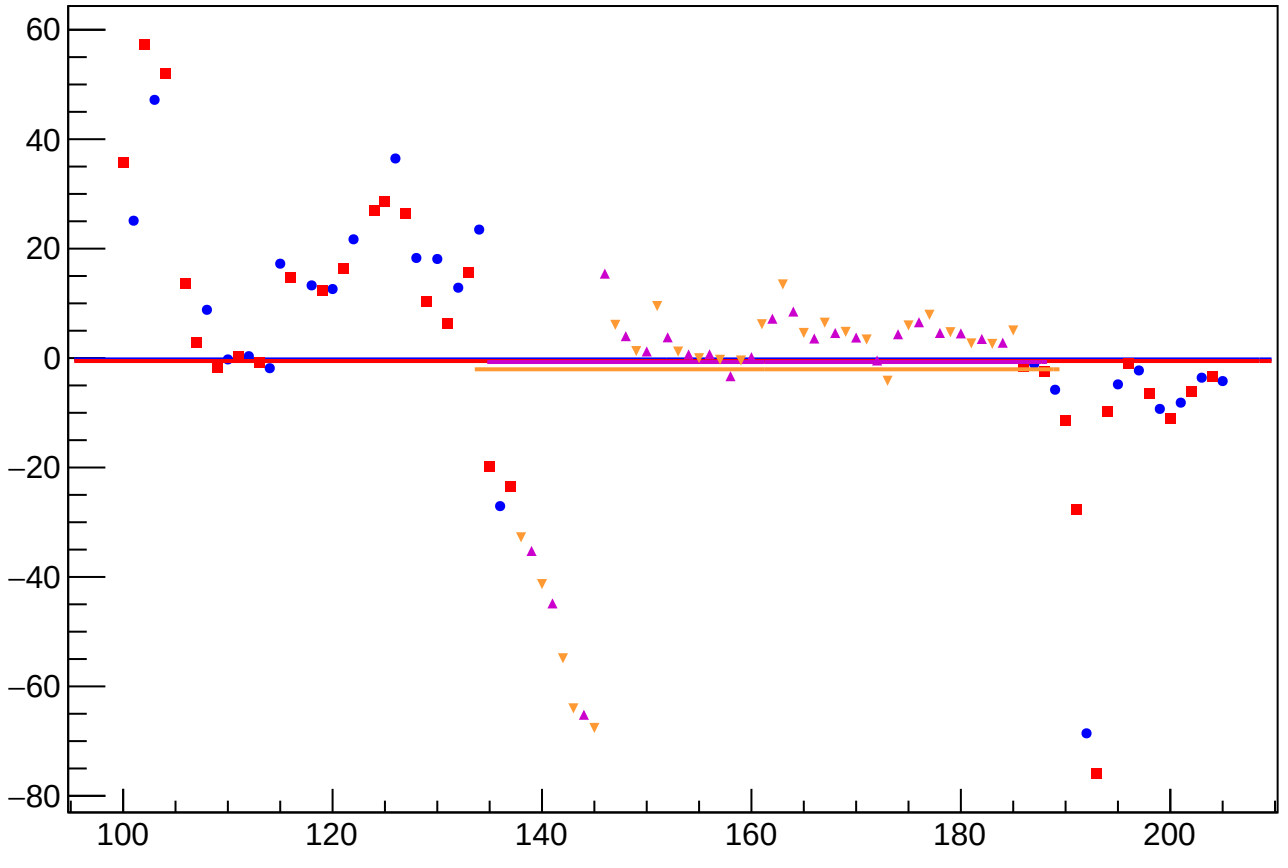
Left: 0.458+/-0.023 χ^2/NDF: 13702.5/47

Right: 0.096+/-0.034 χ^2/NDF: 10742.6/54

In: 0.344+/-0.027 χ^2/NDF:12701.1/47

Out: 0.341+/-0.027 χ^2/NDF:11820.9/54

All: 0.342+/-0.019 χ^2/NDF: 24522.0/102



Right In: -0.245+/-0.045 χ^2/NDF: 114480.0/24

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.540+/-0.040 χ^2/NDF: 115020.9/29

Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

Left: -1.371+/-0.029 χ^2/NDF: 292067.4/47

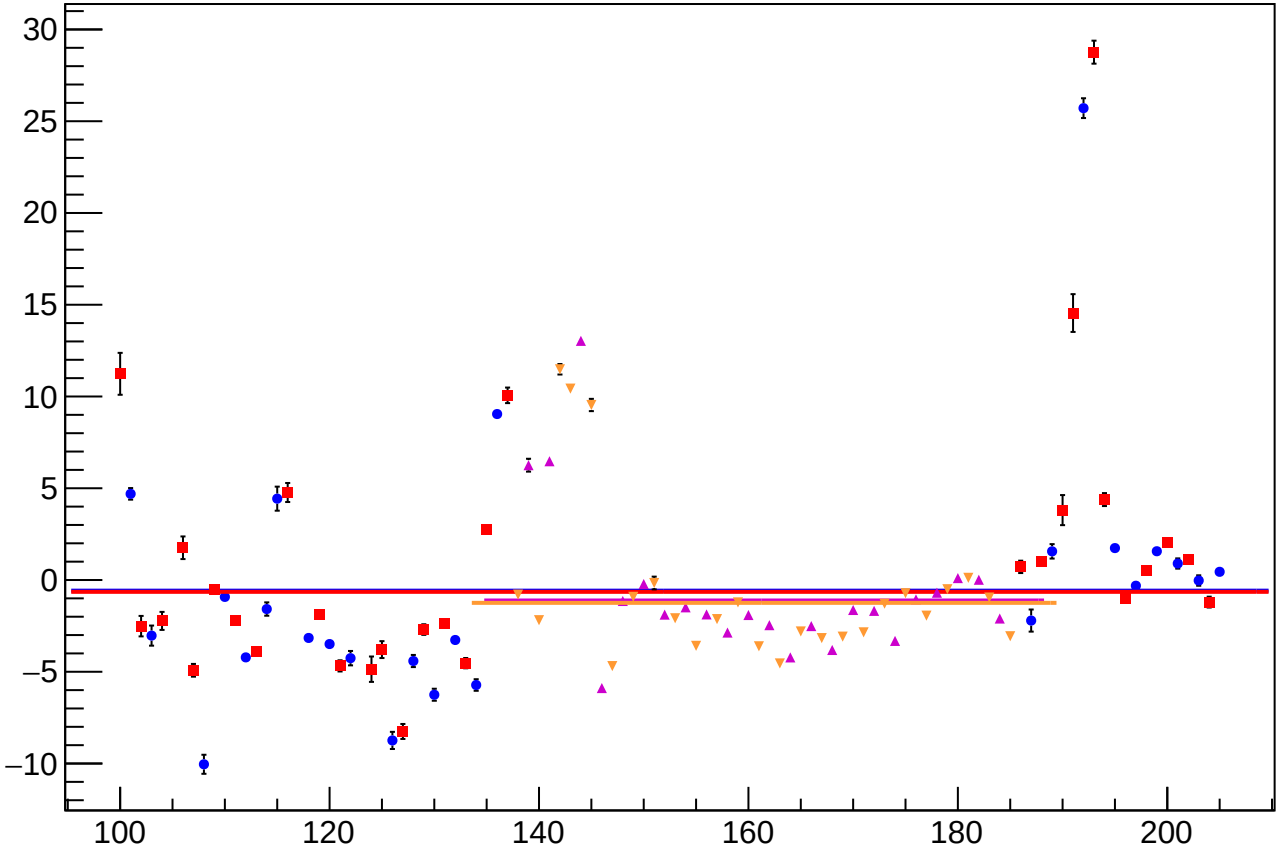
Right: -0.409+/-0.030 χ^2/NDF: 229524.9/54

In: -0.507+/-0.030 χ^2/NDF:240072.9/47

Out: -1.274+/-0.029 χ^2/NDF:281713.1/54

All: -0.907+/-0.021 χ^2/NDF: 522124.1/102

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.580+/-0.058 χ^2/NDF: 7168.9/24

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.644+/-0.055 χ^2/NDF: 5453.8/29

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

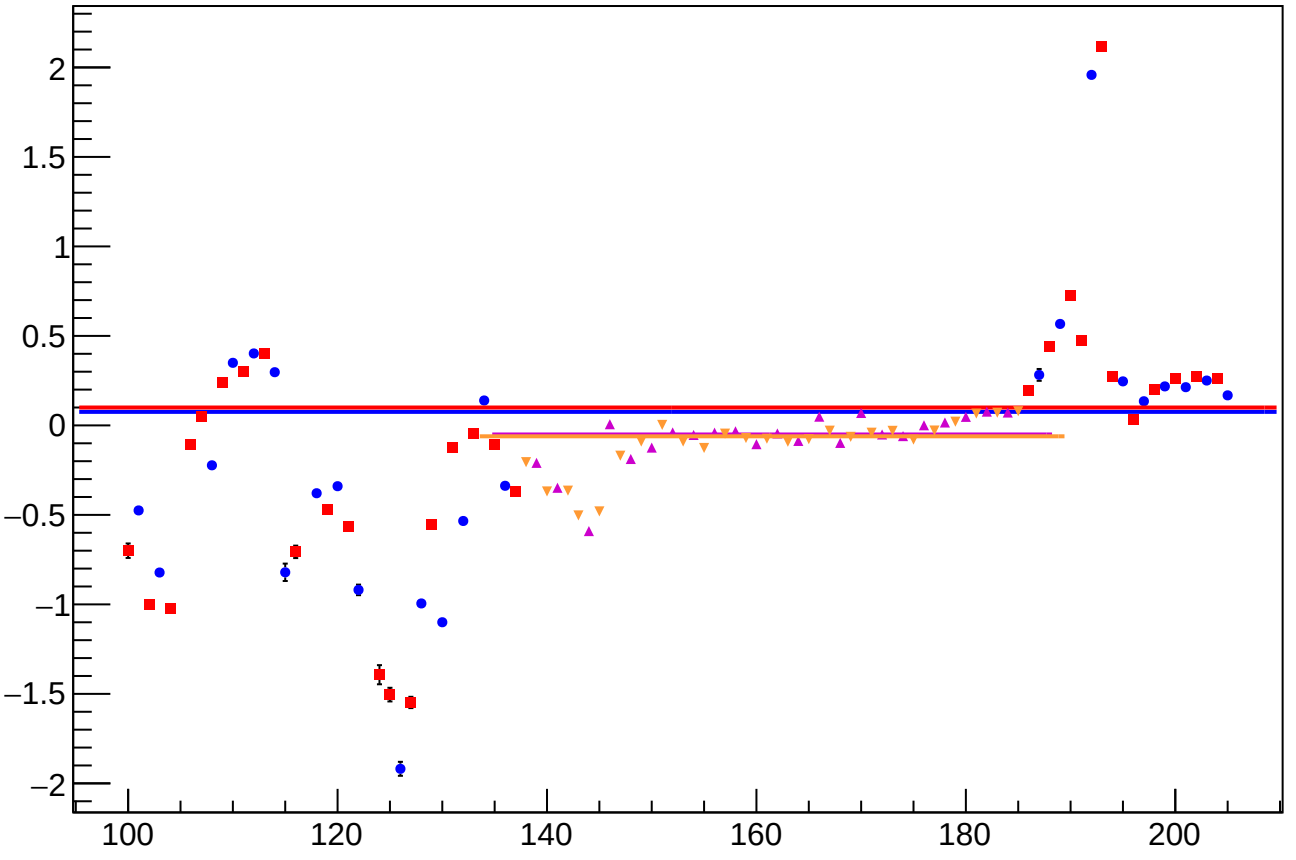
Left: -1.178+/-0.026 χ^2/NDF: 13615.0/47

Right: -0.614+/-0.040 χ^2/NDF: 12623.4/54

In: -0.967+/-0.030 χ^2/NDF:14071.5/47

Out: -1.054+/-0.031 χ^2/NDF:12304.4/54

All: -1.010+/-0.022 χ^2/NDF: 26380.0/102



Right In: 0.076+/-0.003 χ^2/NDF: 33179.6/24

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

Right Out: 0.100+/-0.003 χ^2/NDF: 33548.4/29

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

Left: -0.056+/-0.001 χ^2/NDF: 10379.1/47

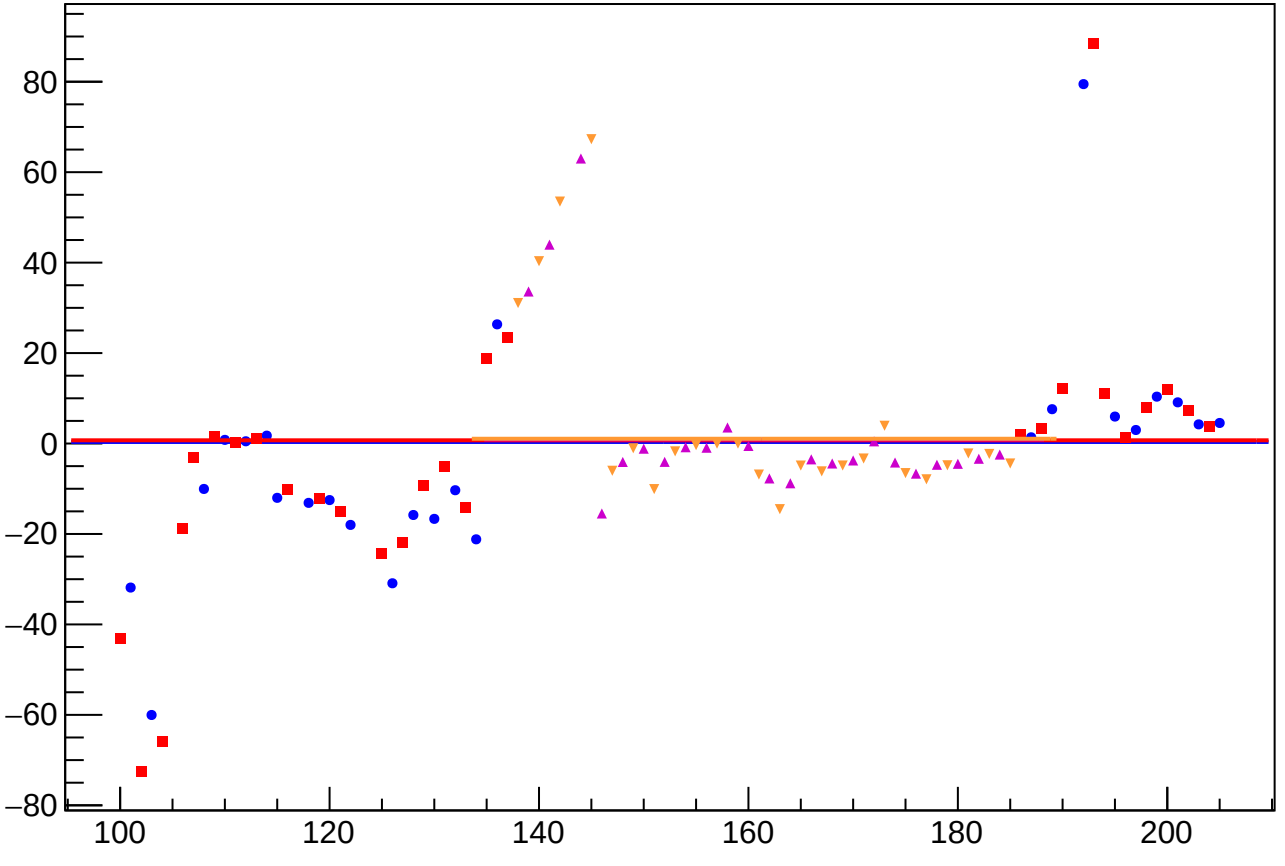
Right: 0.088+/-0.002 χ^2/NDF: 66773.7/54

In: -0.018+/-0.001 χ^2/NDF:39816.9/47

Out: -0.013+/-0.001 χ^2/NDF:41917.7/54

All: -0.015+/-0.001 χ^2/NDF: 81740.0/102

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs Slug, Sign Corrected



Right In: 0.350+/-0.042 χ^2/NDF: 119317.7/24

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

Right Out: 0.710+/-0.037 χ^2/NDF: 117749.9/27

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

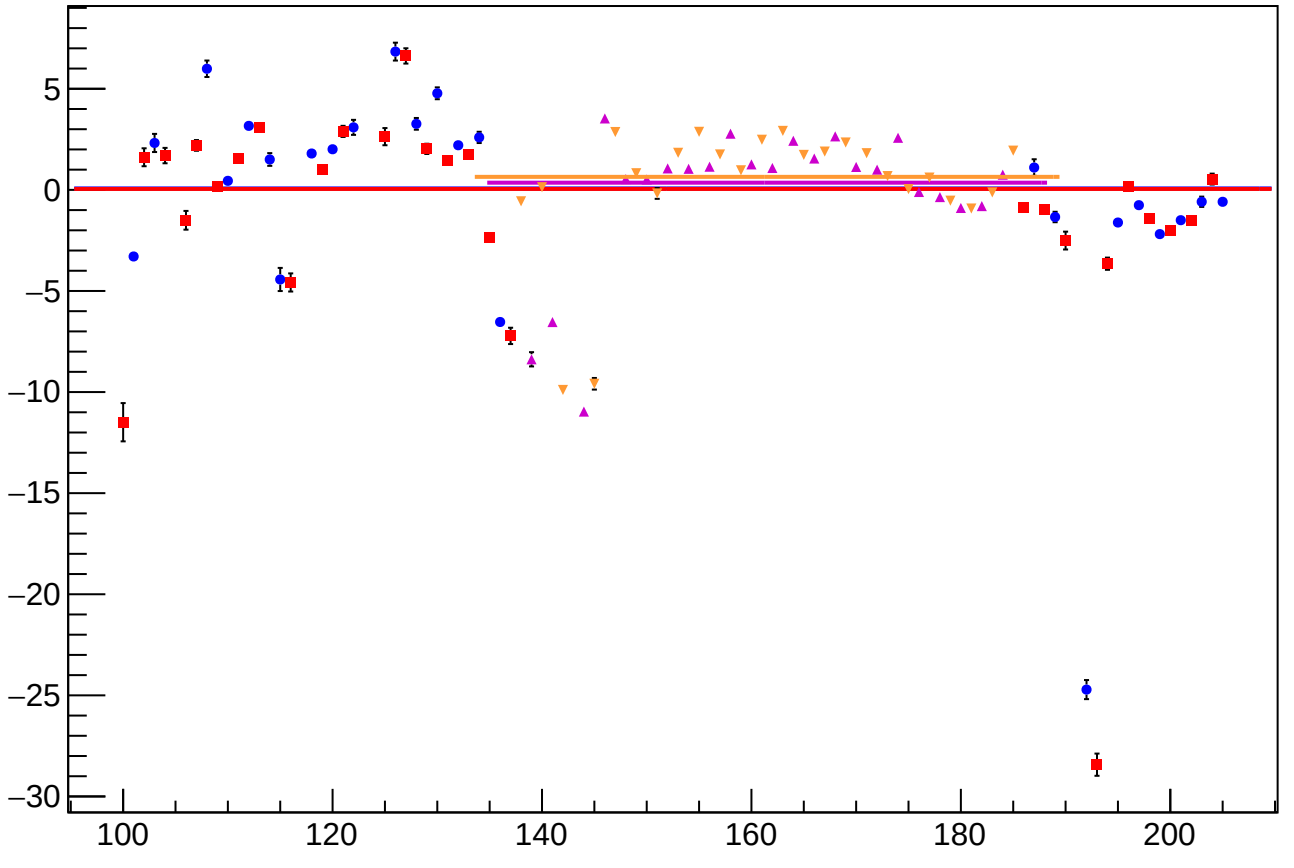
Left: 0.982+/-0.028 χ^2/NDF: 263844.6/46

Right: 0.554+/-0.028 χ^2/NDF: 237109.2/52

In: 0.646+/-0.029 χ^2/NDF:252219.7/47

Out: 0.865+/-0.027 χ^2/NDF:248820.1/51

All: 0.762+/-0.020 χ^2/NDF: 501070.2/99



Right In: 0.070+/-0.048 χ^2/NDF: 5963.5/24

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

Right Out: 0.046+/-0.046 χ^2/NDF: 4981.2/27

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

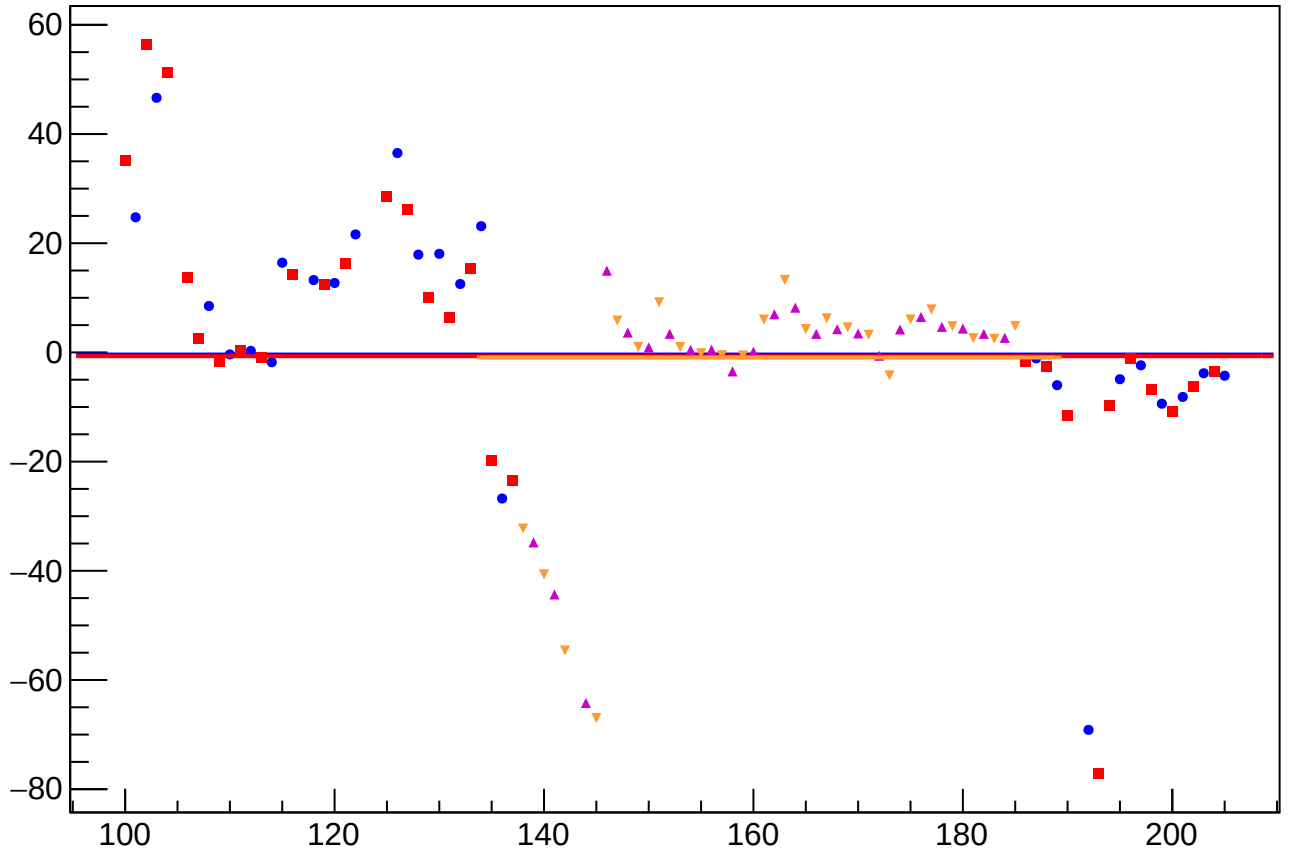
Left: 0.491+/-0.023 χ^2/NDF: 11868.0/46

Right: 0.057+/-0.033 χ^2/NDF: 10944.8/52

In: 0.270+/-0.026 χ^2/NDF:13105.2/47

Out: 0.436+/-0.027 χ^2/NDF:9804.7/51

All: 0.352+/-0.019 χ^2/NDF: 22929.5/99



Right In: -0.392+/-0.044 χ^2/NDF: 118236.1/24

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -0.697+/-0.039 χ^2/NDF: 116229.2/27

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

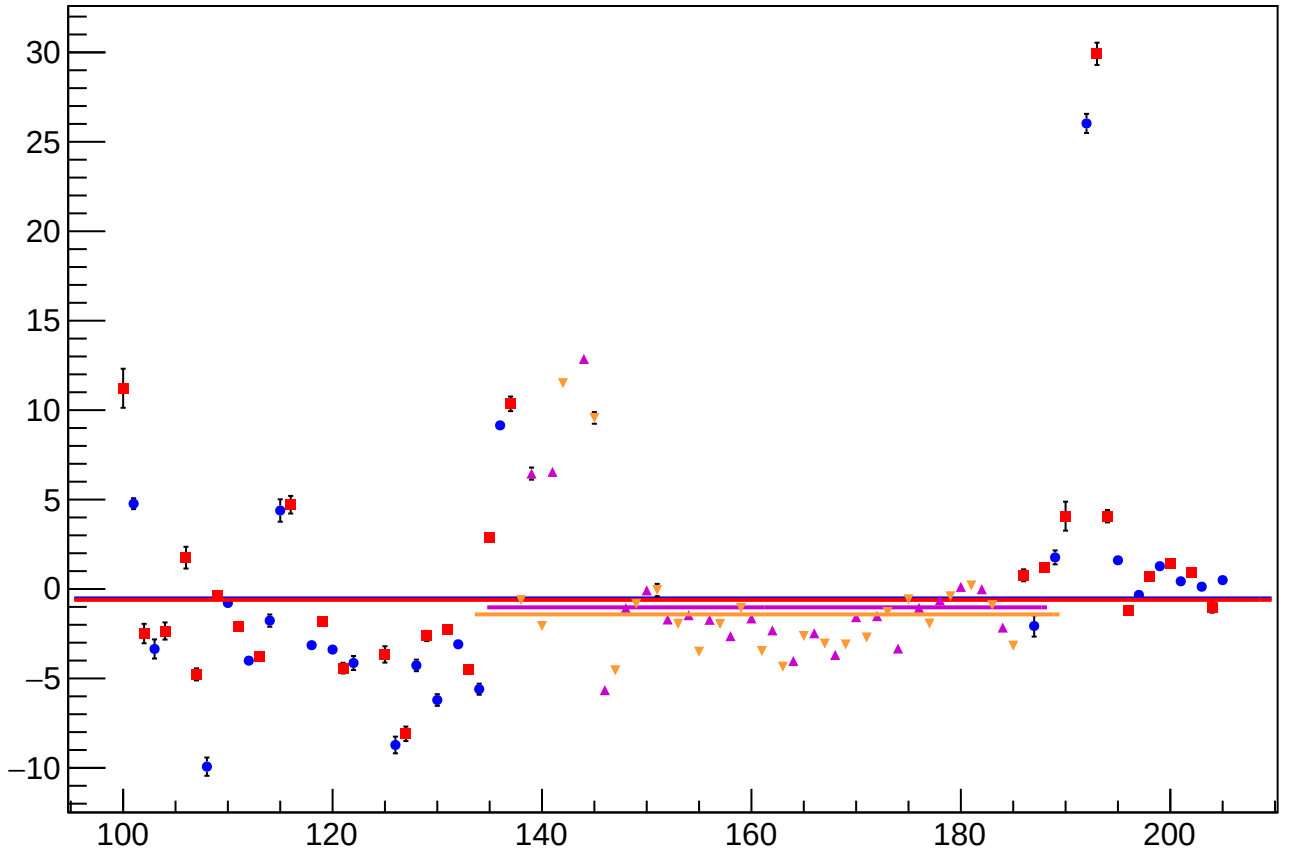
Left: -0.894+/-0.028 χ^2/NDF: 255865.2/46

Right: -0.561+/-0.029 χ^2/NDF: 234492.3/52

In: -0.651+/-0.029 χ^2/NDF:247784.7/47

Out: -0.809+/-0.028 χ^2/NDF:242624.8/51

All: -0.733+/-0.020 χ^2/NDF: 490424.6/99



Right In: -0.526+/-0.056 χ^2/NDF: 7449.6/24

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

Right Out: -0.606+/-0.053 χ^2/NDF: 5503.1/27

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

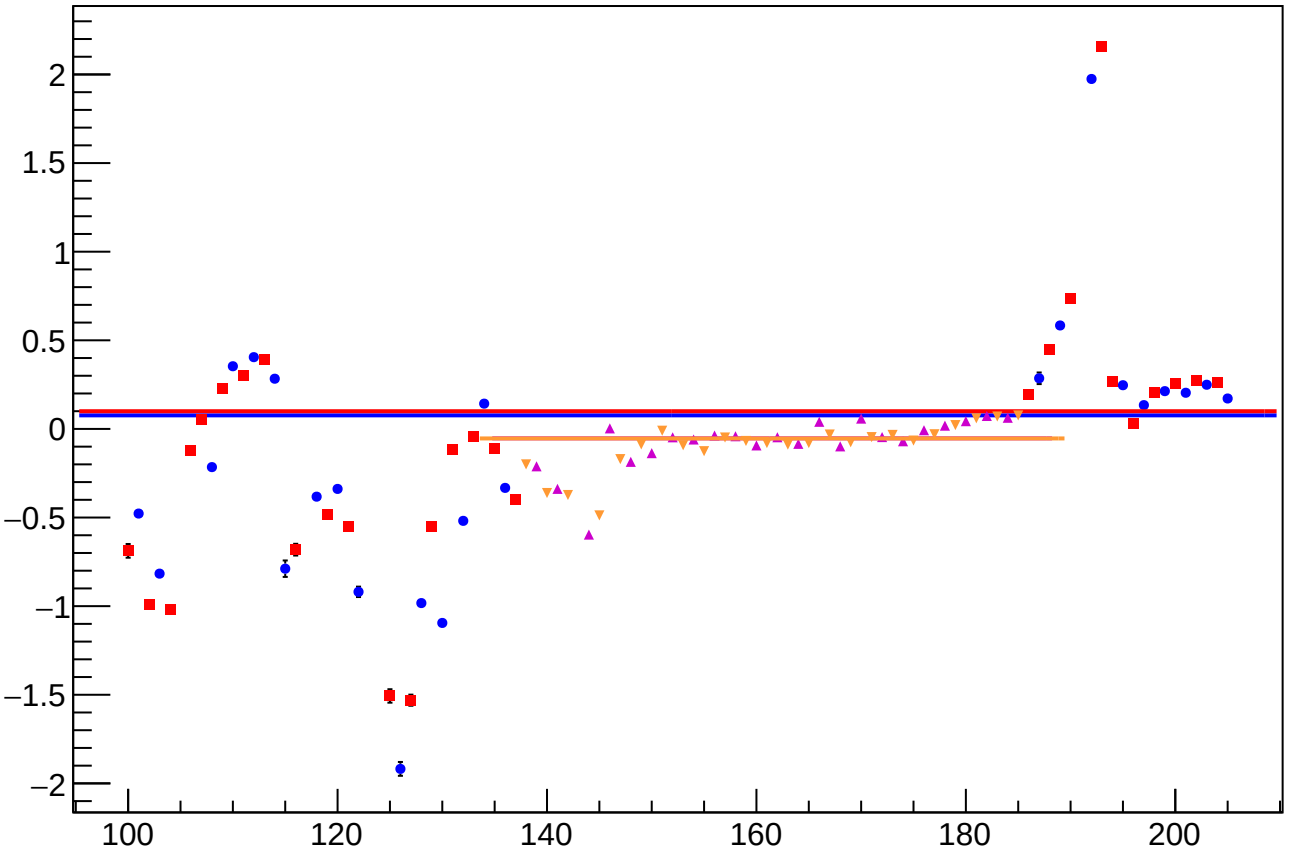
Left: -1.212+/-0.025 χ^2/NDF: 11750.0/46

Right: -0.568+/-0.039 χ^2/NDF: 12953.7/52

In: -0.887+/-0.030 χ^2/NDF:14554.1/47

Out: -1.159+/-0.030 χ^2/NDF:10303.7/51

All: -1.020+/-0.021 χ^2/NDF: 24899.1/99



Right In: 0.077+/-0.003 χ^2/NDF: 34309.2/24

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

Right Out: 0.100+/-0.002 χ^2/NDF: 34002.6/27

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

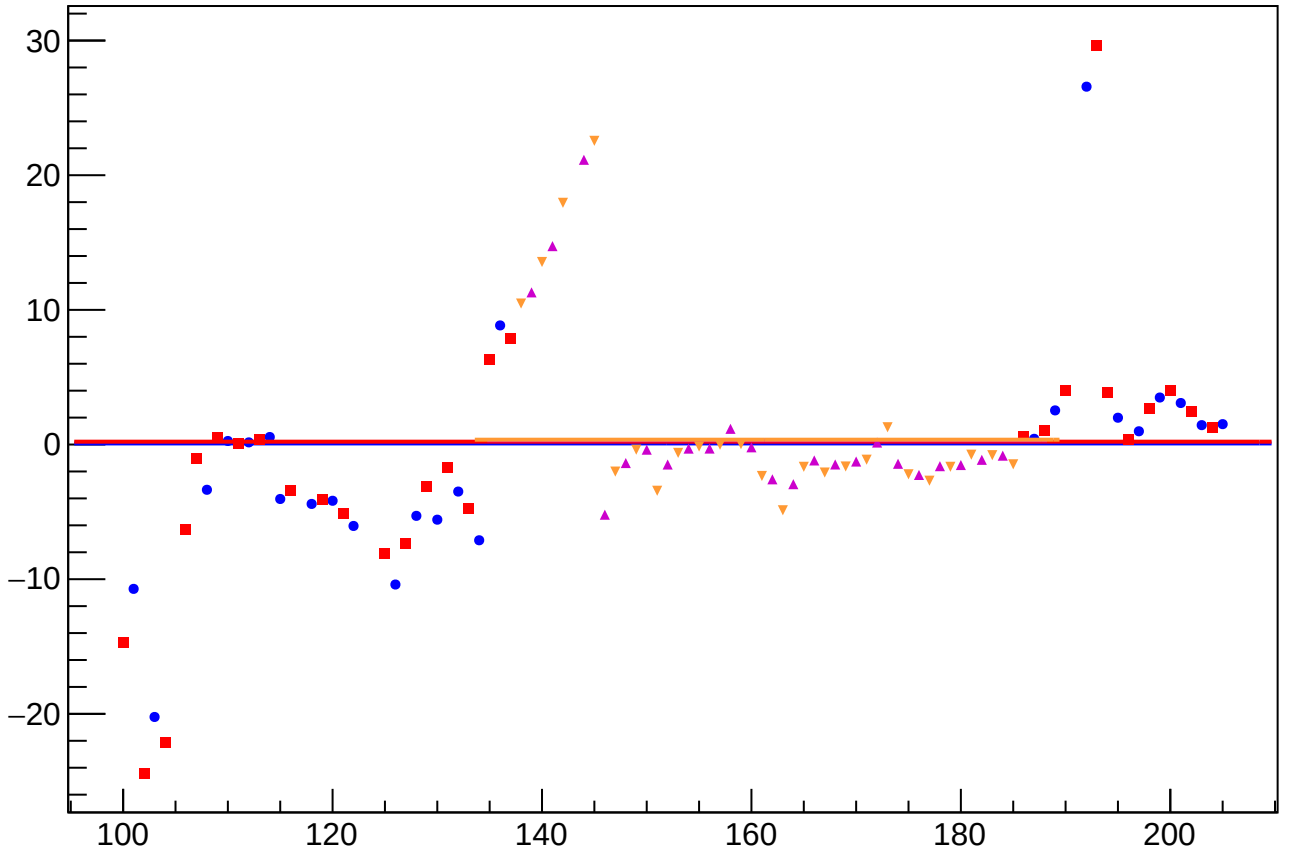
Left: -0.053+/-0.001 χ^2/NDF: 9349.8/46

Right: 0.089+/-0.002 χ^2/NDF: 68355.8/52

In: -0.020+/-0.001 χ^2/NDF:41283.7/47

Out: -0.008+/-0.001 χ^2/NDF:41107.7/51

All: -0.014+/-0.001 χ^2/NDF: 82431.0/99



Right In: 0.083+/-0.014 χ^2/NDF: 117248.8/24

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

Right Out: 0.213+/-0.013 χ^2/NDF: 115936.4/27

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

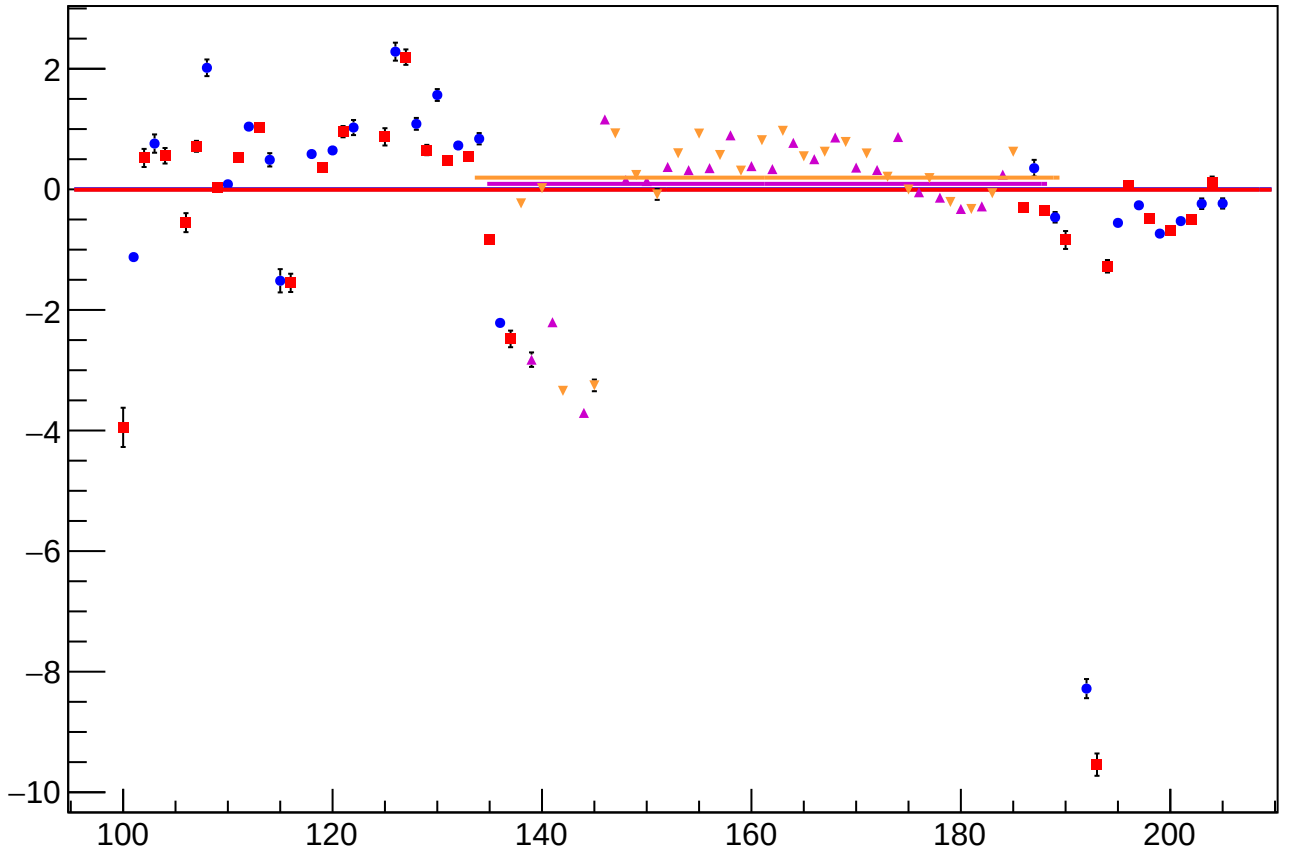
Left: 0.338+/-0.010 χ^2/NDF: 259058.4/46

Right: 0.156+/-0.010 χ^2/NDF: 233231.1/52

In: 0.207+/-0.010 χ^2/NDF:247612.6/47

Out: 0.279+/-0.009 χ^2/NDF:244826.4/51

All: 0.245+/-0.007 χ^2/NDF: 492467.5/99



Right In: 0.002+/-0.016 χ^2/NDF: 5835.8/24

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

Right Out: -0.007+/-0.016 χ^2/NDF: 4886.5/27

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

Left: 0.140+/-0.008 χ^2/NDF: 11625.1/46

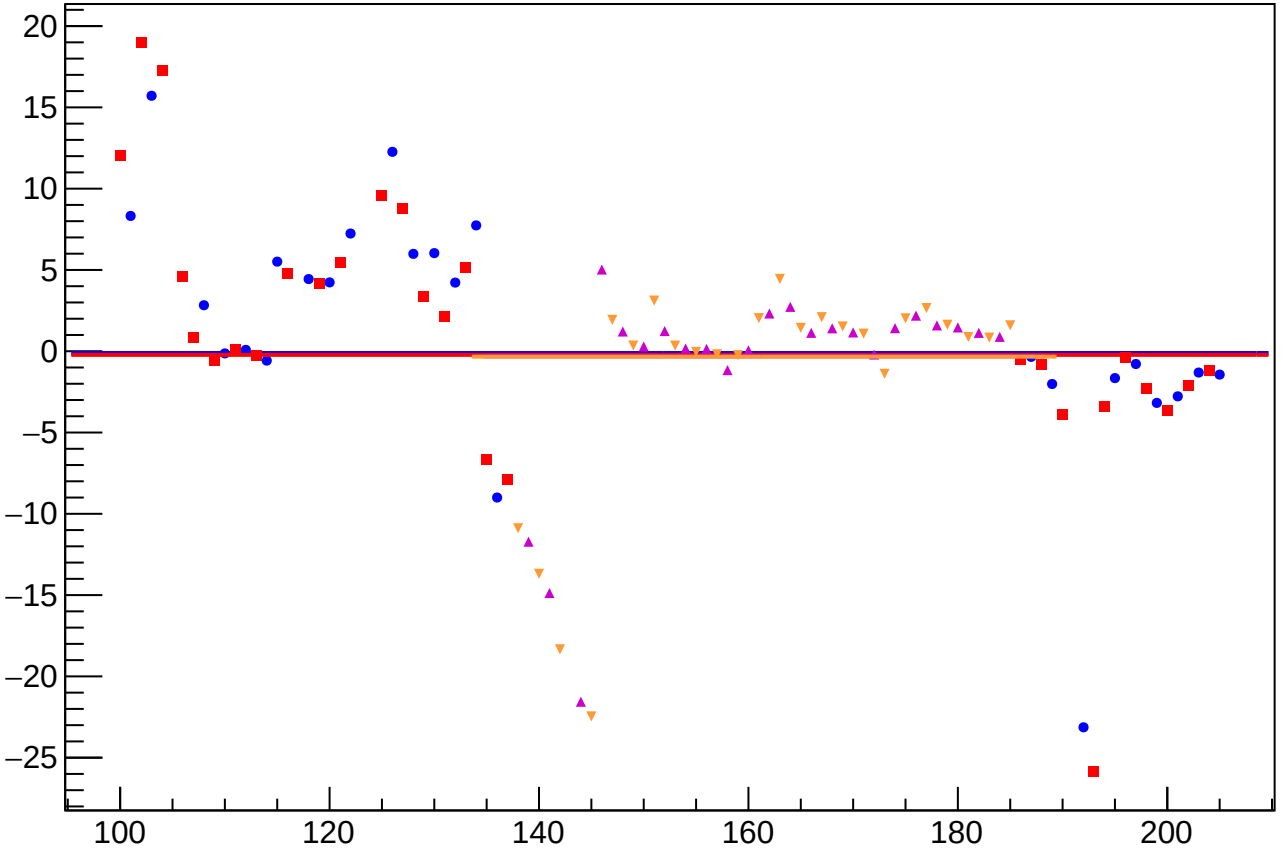
Right: -0.003+/-0.011 χ^2/NDF: 10722.5/52

In: 0.064+/-0.009 χ^2/NDF:12792.9/47

Out: 0.125+/-0.009 χ^2/NDF:9639.9/51

All: 0.094+/-0.006 χ^2/NDF: 22455.1/99

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: -0.111+/-0.015 χ^2/NDF: 116205.3/24

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

Right Out: -0.222+/-0.013 χ^2/NDF: 114466.1/27

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

Left: -0.323+/-0.010 χ^2/NDF: 251233.5/46

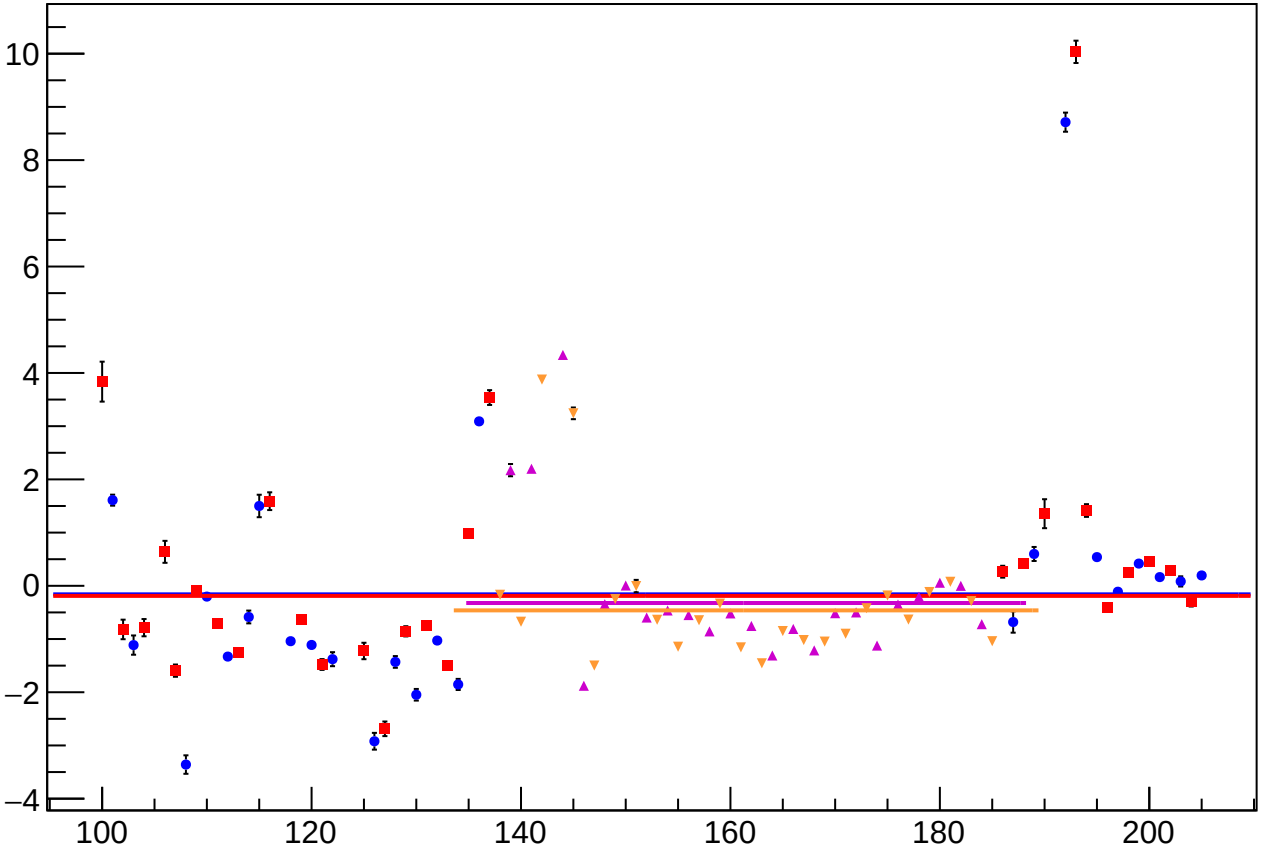
Right: -0.173+/-0.010 χ^2/NDF: 230702.3/52

In: -0.223+/-0.010 χ^2/NDF:243306.2/47

Out: -0.276+/-0.010 χ^2/NDF:238732.0/51

All: -0.250+/-0.007 χ^2/NDF: 482052.3/99

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected



Right In: -0.161+/-0.019 χ^2/NDF: 7293.9/24

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

Right Out: -0.189+/-0.018 χ^2/NDF: 5407.0/27

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

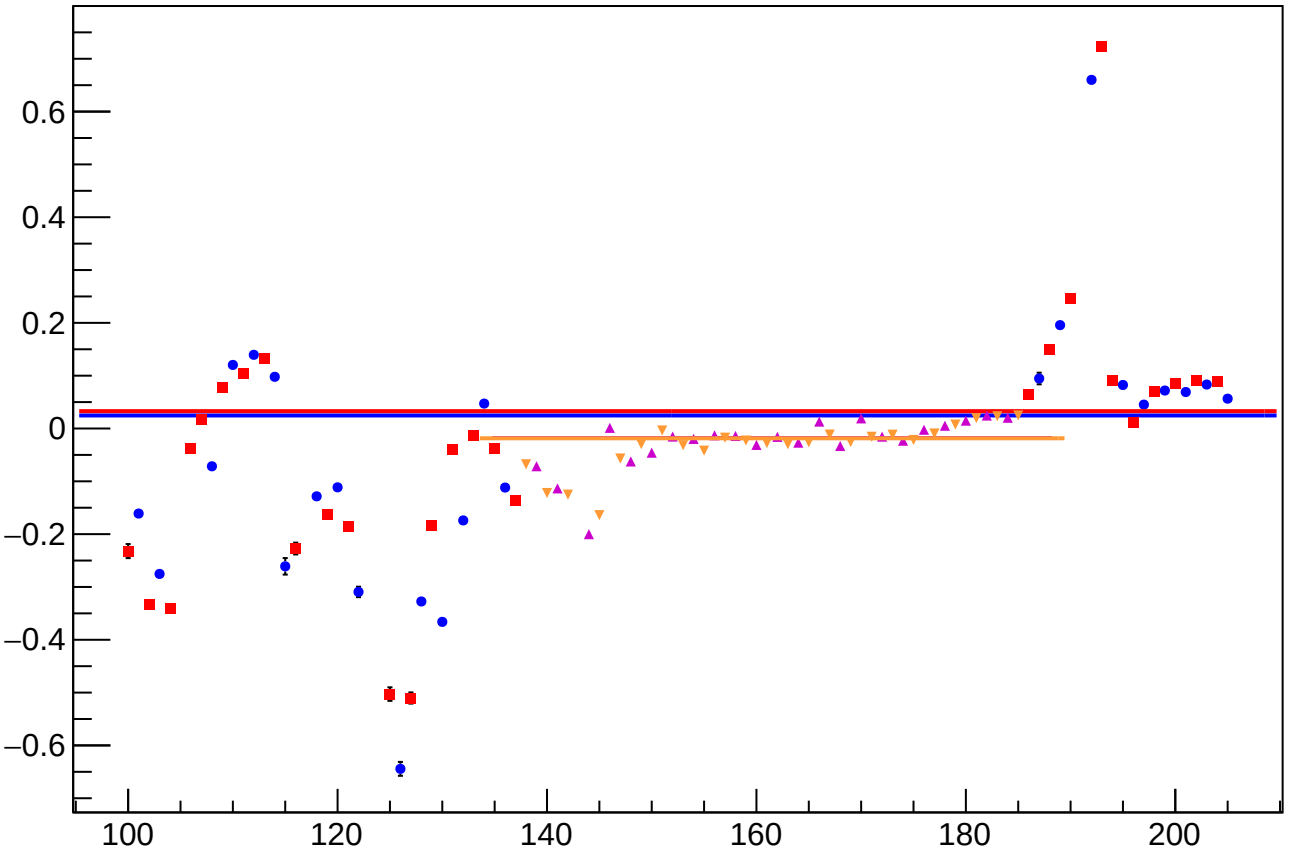
Left: -0.389+/-0.009 χ^2/NDF: 11526.1/46

Right: -0.176+/-0.013 χ^2/NDF: 12702.0/52

In: -0.278+/-0.010 χ^2/NDF:14227.3/47

Out: -0.375+/-0.010 χ^2/NDF:10137.9/51

All: -0.325+/-0.007 χ^2/NDF: 24410.0/99



Right In: 0.025+/-0.001 χ^2/NDF: 33720.5/24

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

Right Out: 0.033+/-0.001 χ^2/NDF: 33384.4/27

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

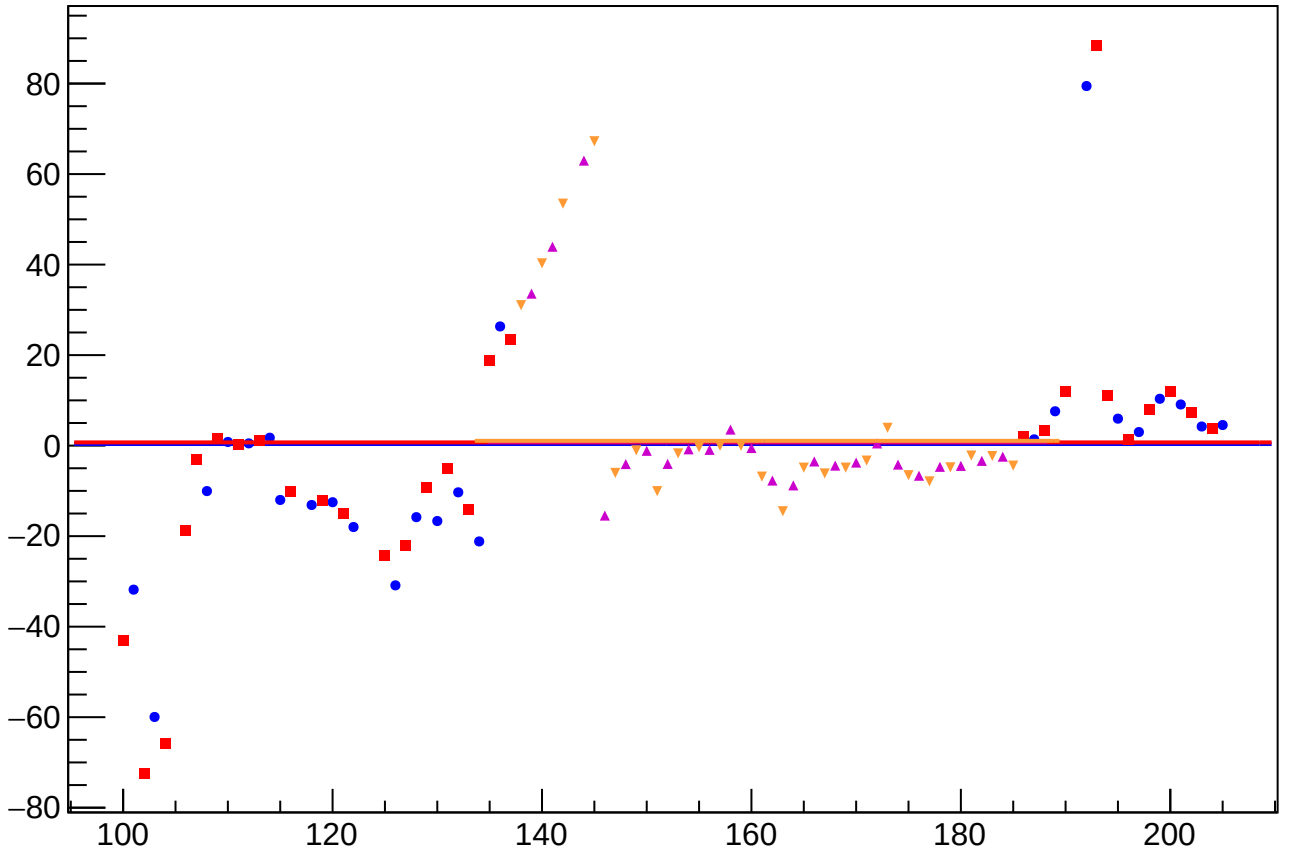
Left: -0.018+/-0.000 χ^2/NDF: 9107.2/46

Right: 0.029+/-0.001 χ^2/NDF: 67150.7/52

In: -0.007+/-0.000 χ^2/NDF:40406.3/47

Out: -0.003+/-0.000 χ^2/NDF:40243.6/51

All: -0.005+/-0.000 χ^2/NDF: 80682.7/99



Right In: 0.356+/-0.042 χ^2/NDF: 119338.3/24

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

Right Out: 0.714+/-0.037 χ^2/NDF: 117766.4/27

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

Left: 0.985+/-0.028 χ^2/NDF: 263832.9/46

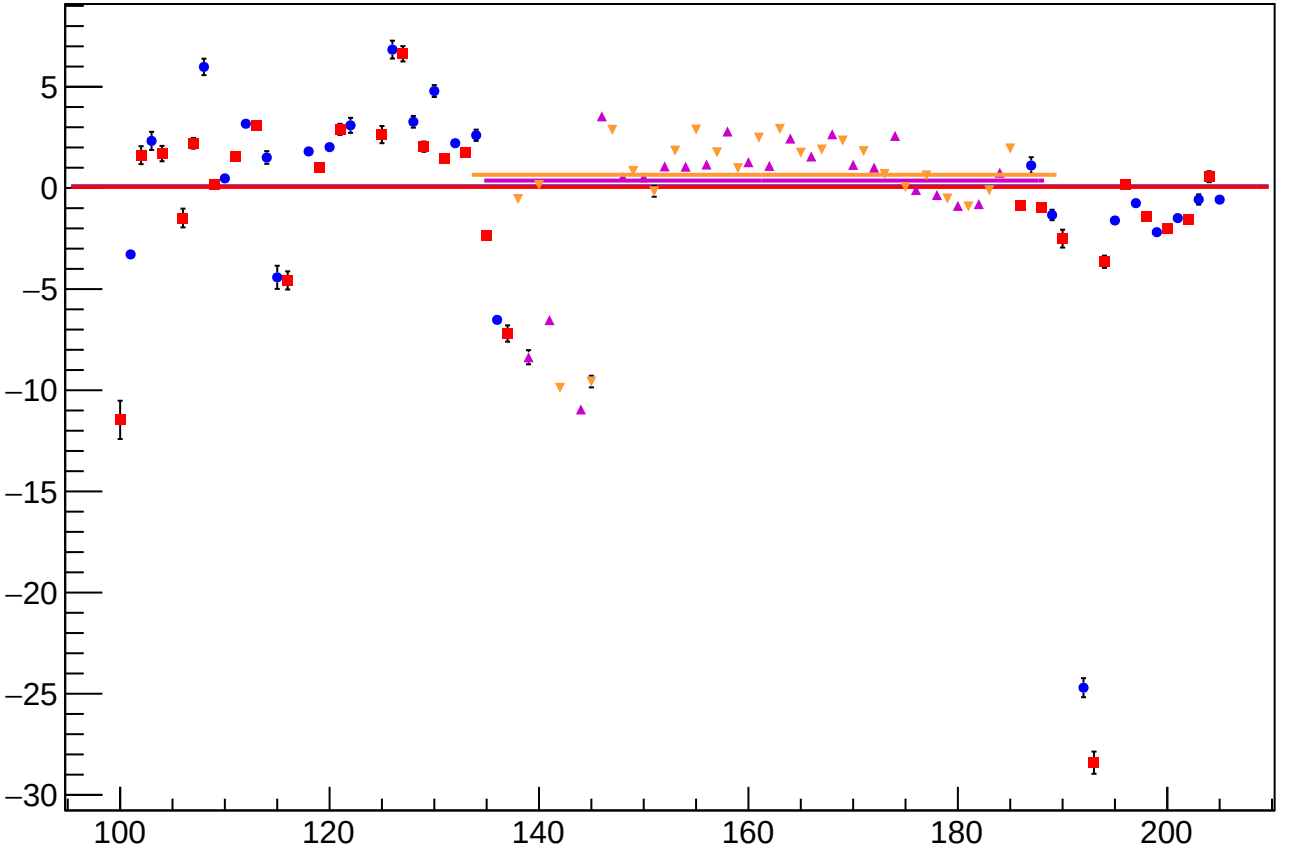
Right: 0.559+/-0.028 χ^2/NDF: 237146.0/52

In: 0.651+/-0.029 χ^2/NDF:252248.0/47

Out: 0.869+/-0.027 χ^2/NDF:248816.3/51

All: 0.766+/-0.020 χ^2/NDF: 501094.7/99

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: 0.078+/-0.048 χ^2/NDF: 5967.3/24

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

Right Out: 0.053+/-0.046 χ^2/NDF: 4983.0/27

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

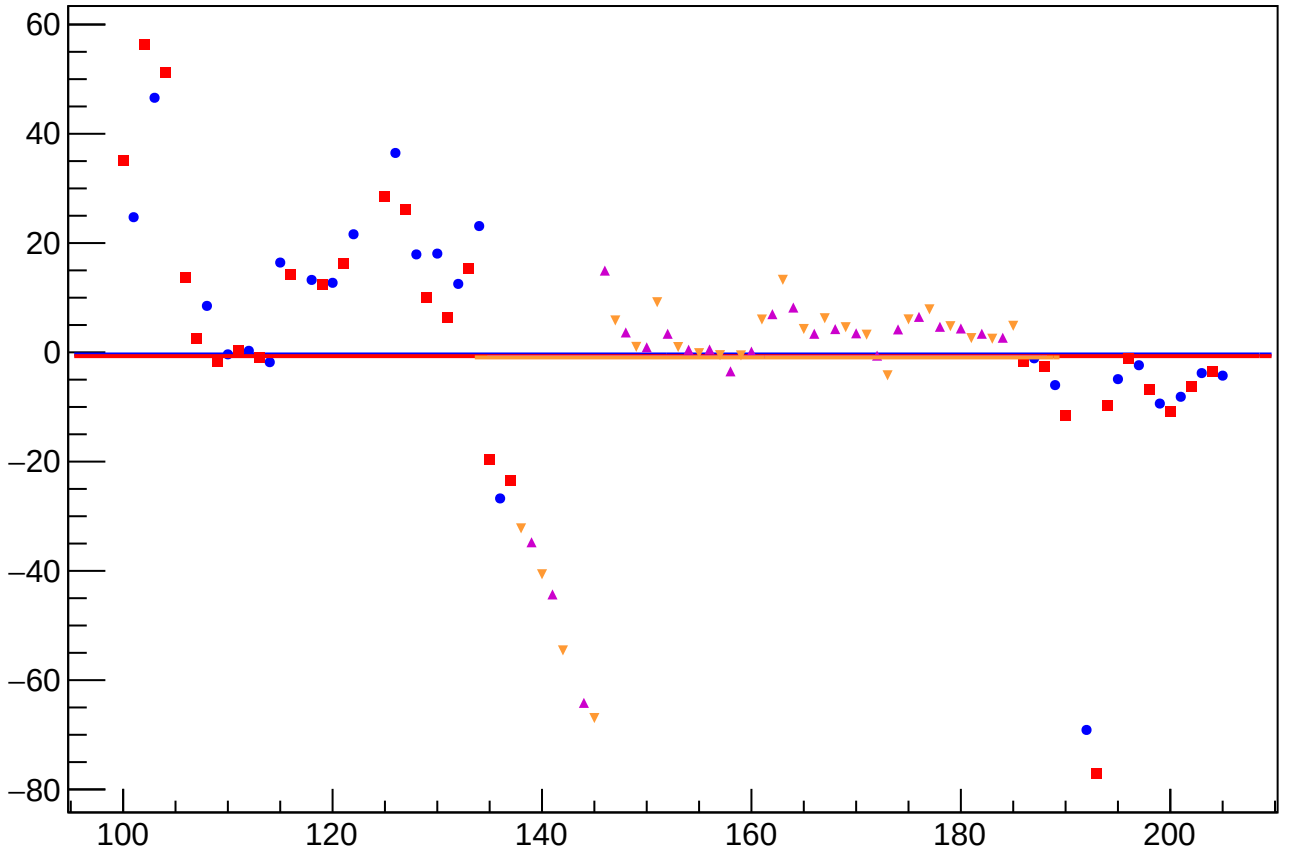
Left: 0.499+/-0.023 χ^2/NDF: 11870.9/46

Right: 0.065+/-0.033 χ^2/NDF: 10950.5/52

In: 0.279+/-0.026 χ^2/NDF:13114.6/47

Out: 0.444+/-0.027 χ^2/NDF:9804.8/51

All: 0.360+/-0.019 χ^2/NDF: 22938.6/99



Right In: -0.393+/-0.044 χ^2/NDF: 118254.2/24

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

Right Out: -0.696+/-0.039 χ^2/NDF: 116241.6/27

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

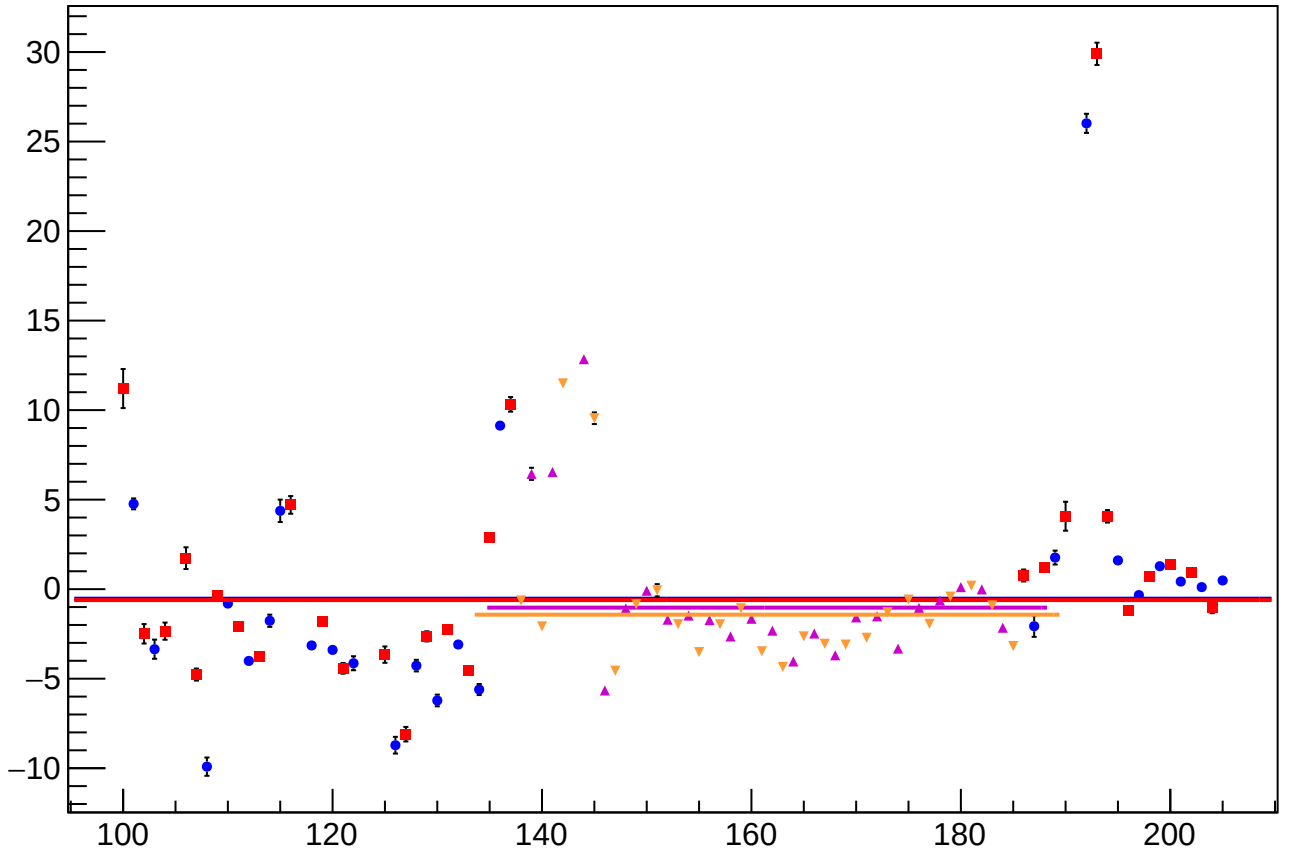
Left: -0.891+/-0.028 χ^2/NDF: 255852.4/46

Right: -0.561+/-0.029 χ^2/NDF: 234522.6/52

In: -0.650+/-0.029 χ^2/NDF:247807.7/47

Out: -0.808+/-0.028 χ^2/NDF:242618.5/51

All: -0.732+/-0.020 χ^2/NDF: 490441.3/99



Right In: -0.532+/-0.056 χ^2/NDF: 7452.5/24

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

Right Out: -0.610+/-0.053 χ^2/NDF: 5503.2/27

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

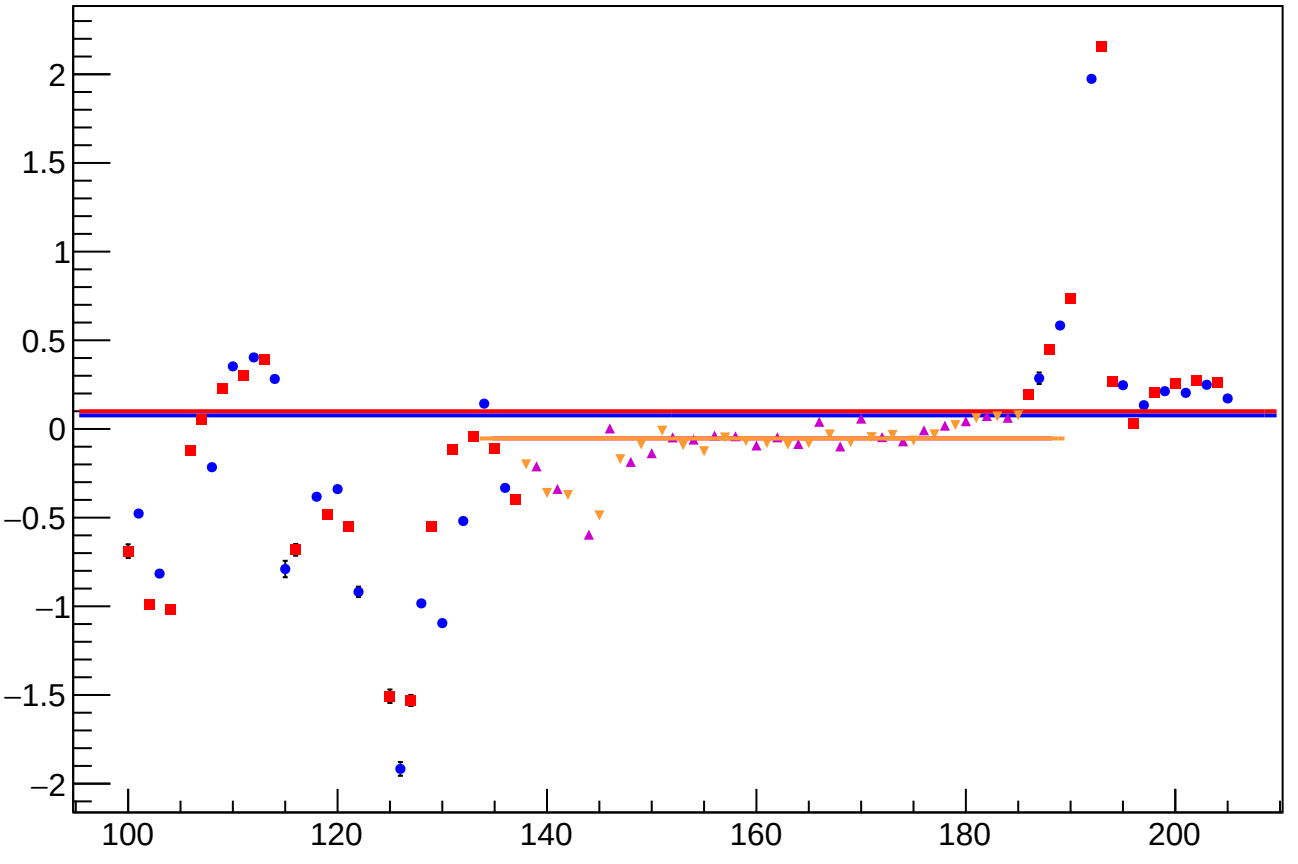
Left: -1.218+/-0.025 χ^2/NDF: 11751.4/46

Right: -0.573+/-0.039 χ^2/NDF: 12956.7/52

In: -0.893+/-0.029 χ^2/NDF:14561.4/47

Out: -1.163+/-0.030 χ^2/NDF:10302.0/51

All: -1.025+/-0.021 χ^2/NDF: 24904.2/99



Right In: 0.077+/-0.003 χ^2/NDF: 34318.2/24

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

Right Out: 0.100+/-0.002 χ^2/NDF: 34016.4/27

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

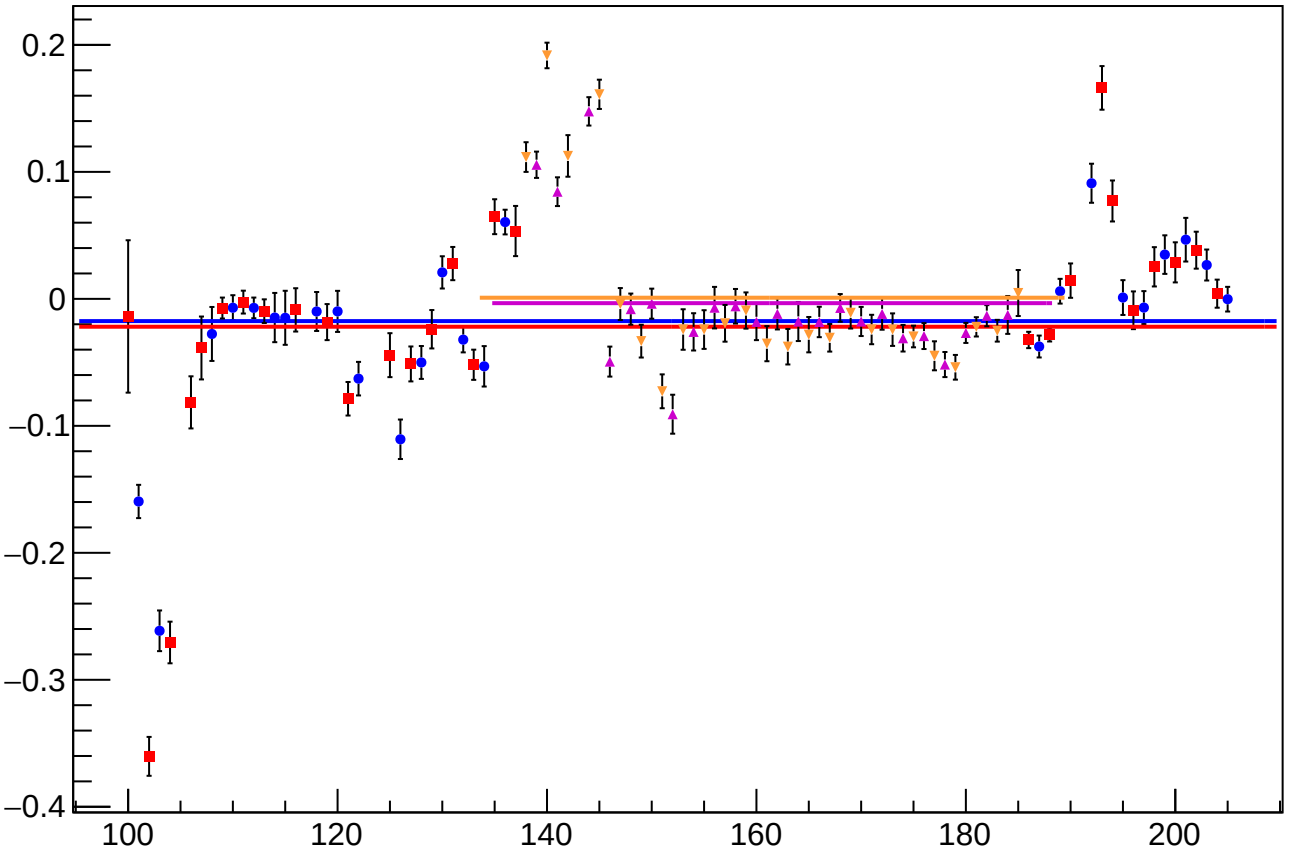
Left: -0.053+/-0.001 χ^2/NDF: 9354.6/46

Right: 0.089+/-0.002 χ^2/NDF: 68378.8/52

In: -0.019+/-0.001 χ^2/NDF:41300.8/47

Out: -0.008+/-0.001 χ^2/NDF:41124.0/51

All: -0.014+/-0.001 χ^2/NDF: 82464.9/99



Right In: -0.018+/-0.002 χ^2/NDF: 593.1/24

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

Right Out: -0.022+/-0.002 χ^2/NDF: 1048.8/27

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

Left: -0.001+/-0.002 χ^2/NDF: 1309.2/46

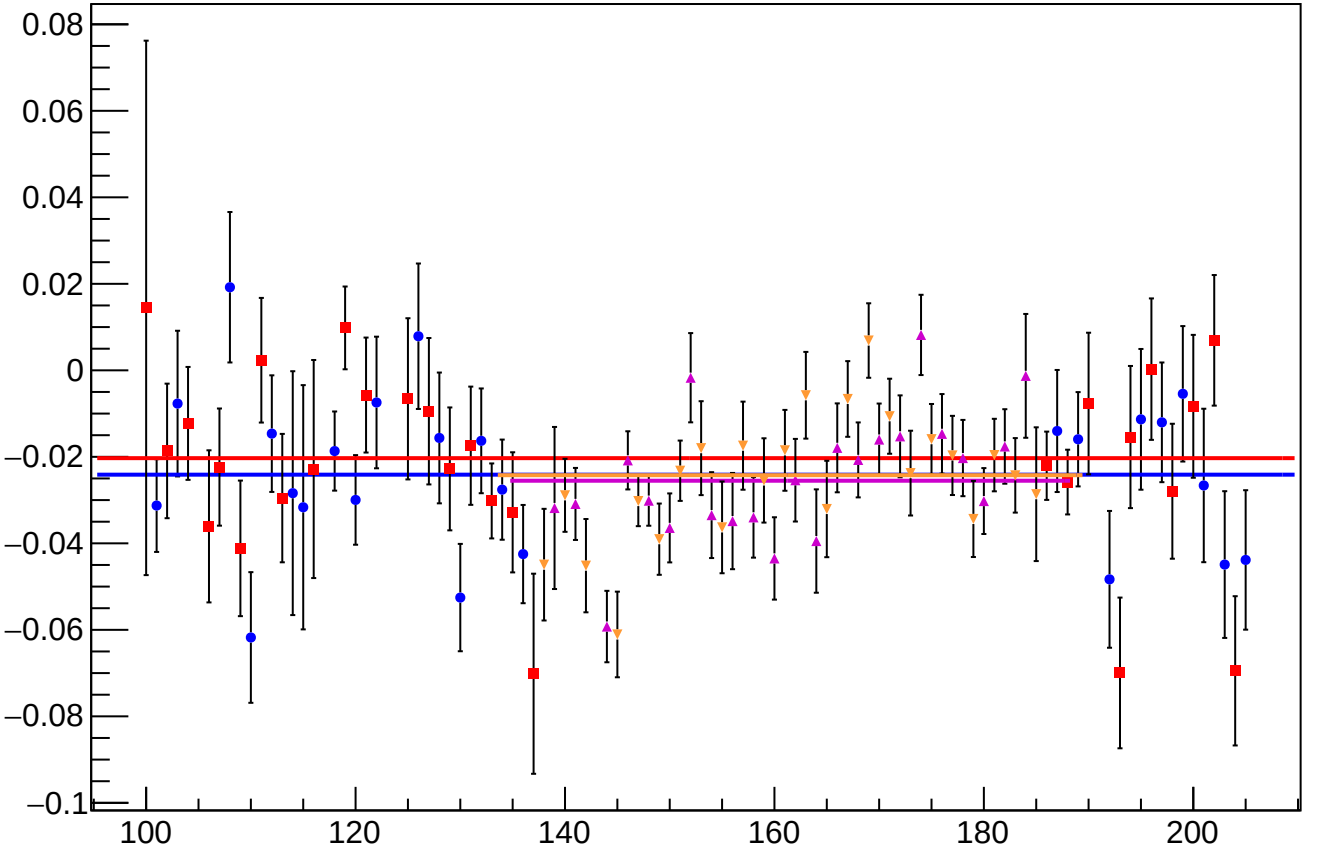
Right: -0.020+/-0.002 χ^2/NDF: 1643.7/52

In: -0.010+/-0.002 χ^2/NDF:1067.7/47

Out: -0.011+/-0.002 χ^2/NDF:1946.6/51

All: -0.011+/-0.001 χ^2/NDF: 3014.5/99

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug, Sign Corrected



Right In: -0.024+/-0.003 χ^2/NDF: 37.8/24

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

Right Out: -0.020+/-0.003 χ^2/NDF: 48.2/27

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

Left: -0.025+/-0.001 χ^2/NDF: 109.0/46

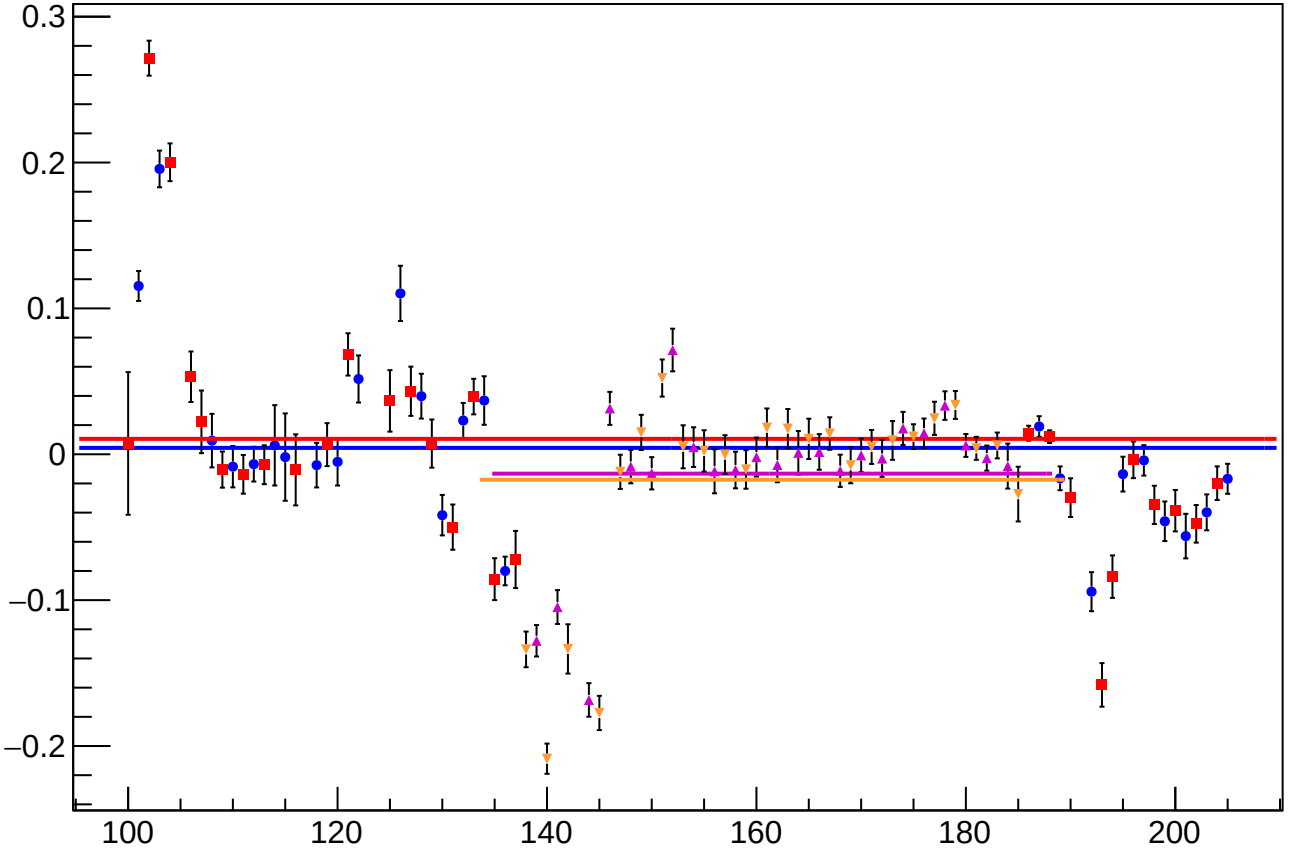
Right: -0.022+/-0.002 χ^2/NDF: 87.0/52

In: -0.025+/-0.002 χ^2/NDF:93.0/47

Out: -0.023+/-0.002 χ^2/NDF:103.5/51

All: -0.024+/-0.001 χ^2/NDF: 197.5/99

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug, Sign Corrected



Right In: 0.004+/-0.002 χ^2/NDF: 602.1/24

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

Right Out: 0.011+/-0.002 χ^2/NDF: 1040.2/27

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

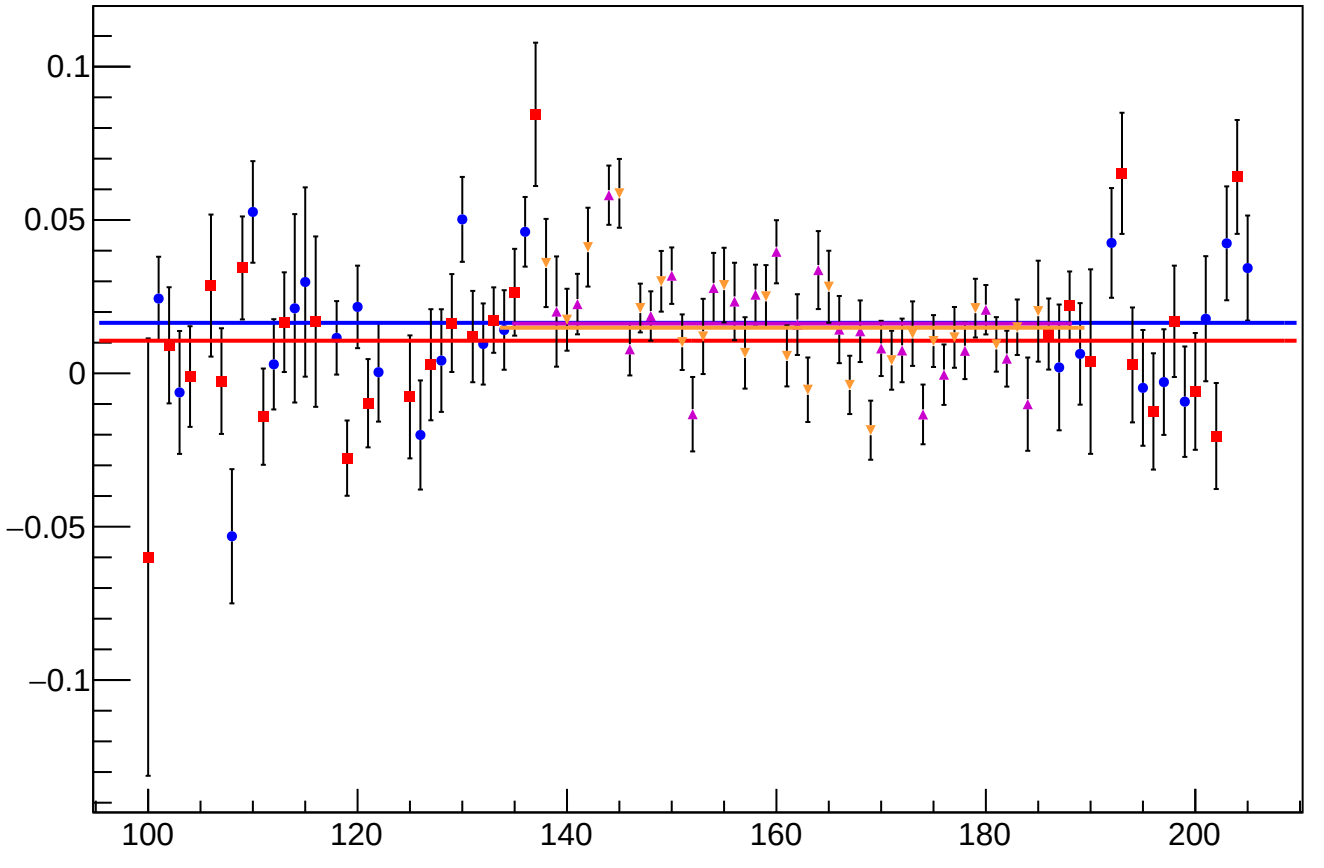
Left: -0.015+/-0.002 χ^2/NDF: 1272.2/46

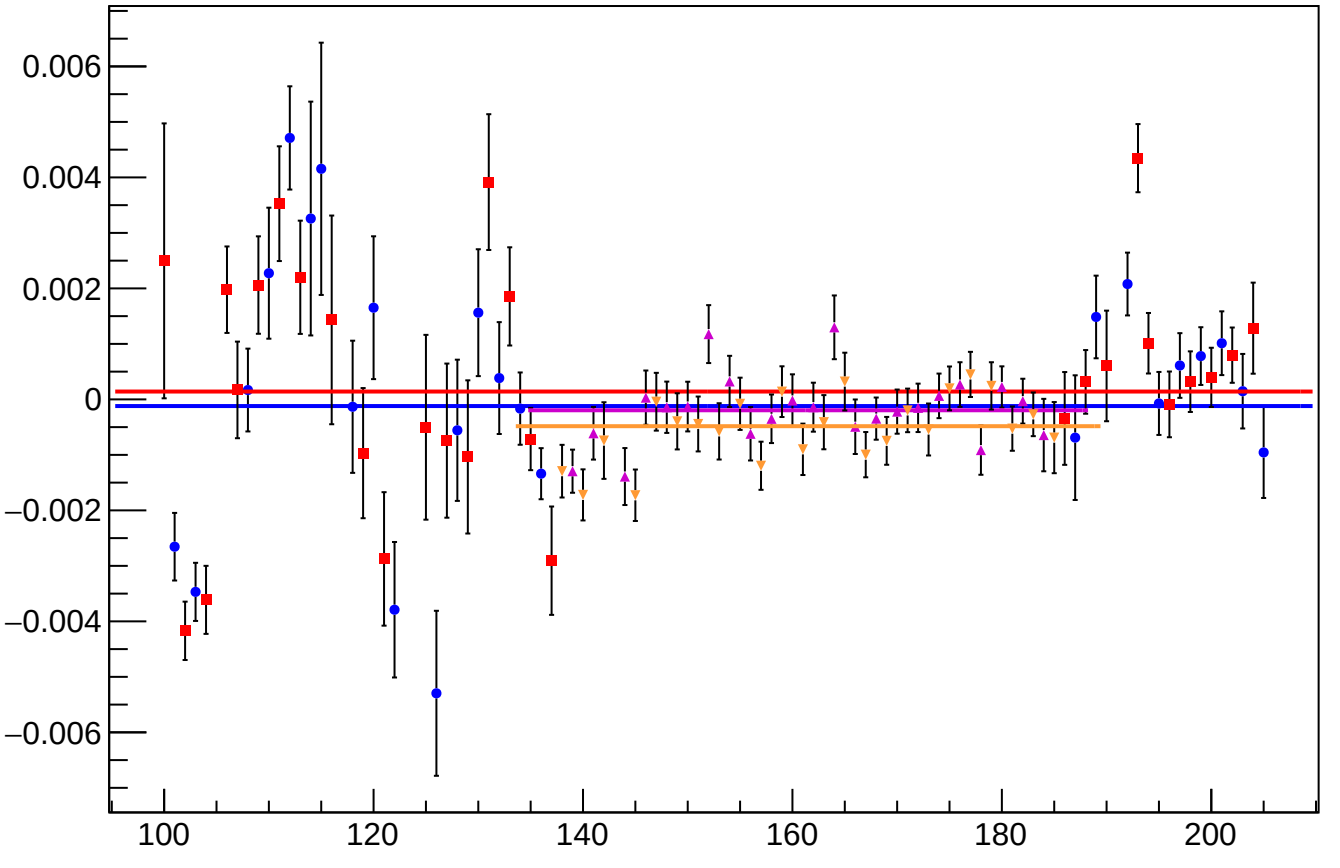
Right: 0.008+/-0.002 χ^2/NDF: 1645.9/52

In: -0.005+/-0.002 χ^2/NDF:1087.0/47

Out: -0.002+/-0.002 χ^2/NDF:1927.9/51

All: -0.003+/-0.001 χ^2/NDF: 3016.2/99


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug, Sign Corrected
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.016+/-0.003 χ²/NDF: 47.3/24
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 54.7/27
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
Left: 0.016+/-0.001 χ²/NDF: 110.2/46
Right: 0.013+/-0.002 χ²/NDF: 103.6/52
In: 0.016+/-0.002 χ²/NDF:105.3/47
Out: 0.014+/-0.002 χ²/NDF:108.0/51
All: 0.015+/-0.001 χ²/NDF: 214.5/99



Right In: -0.000+/-0.000 χ^2/NDF: 157.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 219.3/27

Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

Left: -0.000+/-0.000 χ^2/NDF: 82.8/46

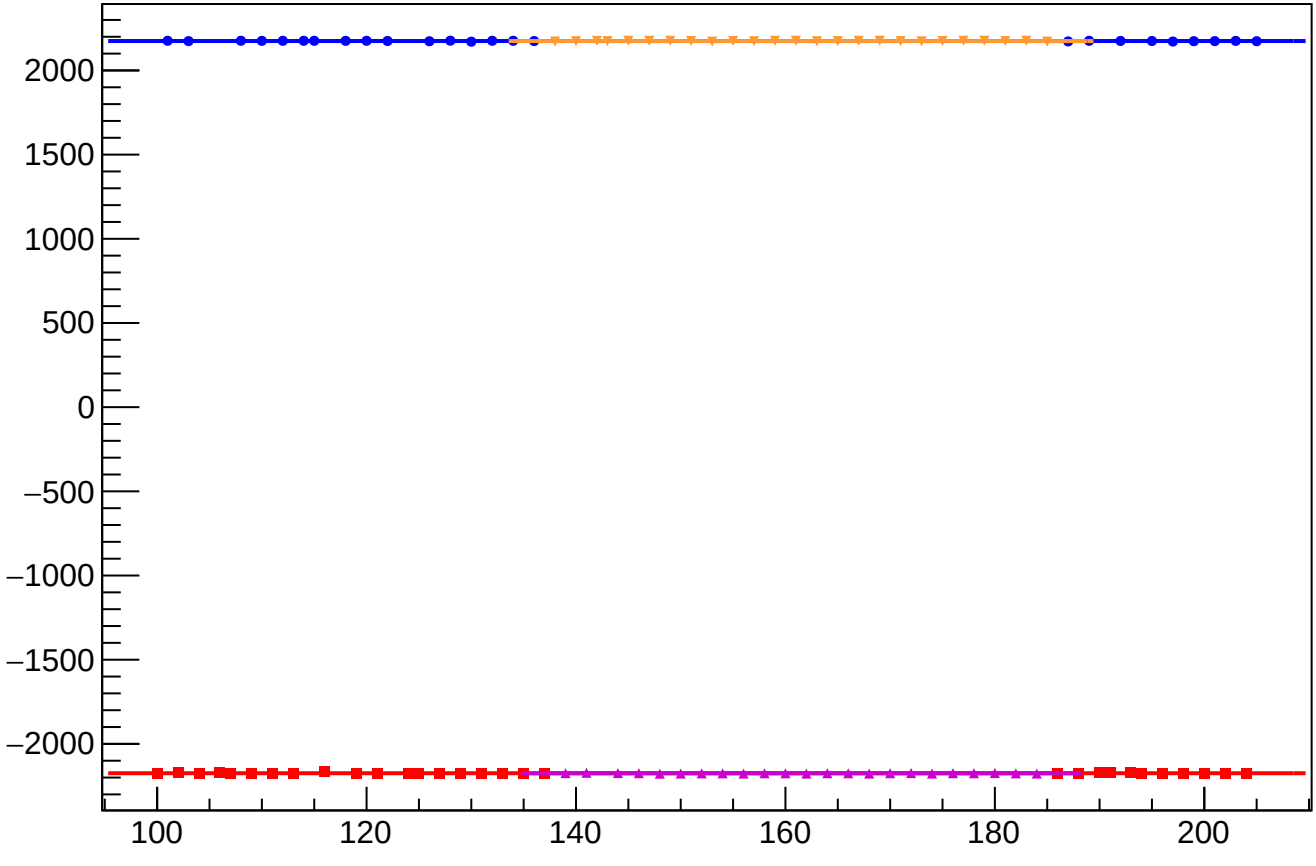
Right: 0.000+/-0.000 χ^2/NDF: 378.7/52

In: -0.000+/-0.000 χ^2/NDF:195.2/47

Out: -0.000+/-0.000 χ^2/NDF:273.4/51

All: -0.000+/-0.000 χ^2/NDF: 469.8/99

HALLA_p_mean vs Slug, Sign Corrected



Right In: 2174.753+/-0.000 χ^2/NDF: 319117157177676515226889629781196 8.0/24

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517 12.0/24

Right Out: -2174.326+/-0.000 χ^2/NDF: 994244320039864506131906937906 7904.0/29

Left In: -2174.573+/-0.000 χ^2/NDF:343126709779383884572886381572915 2.0/22

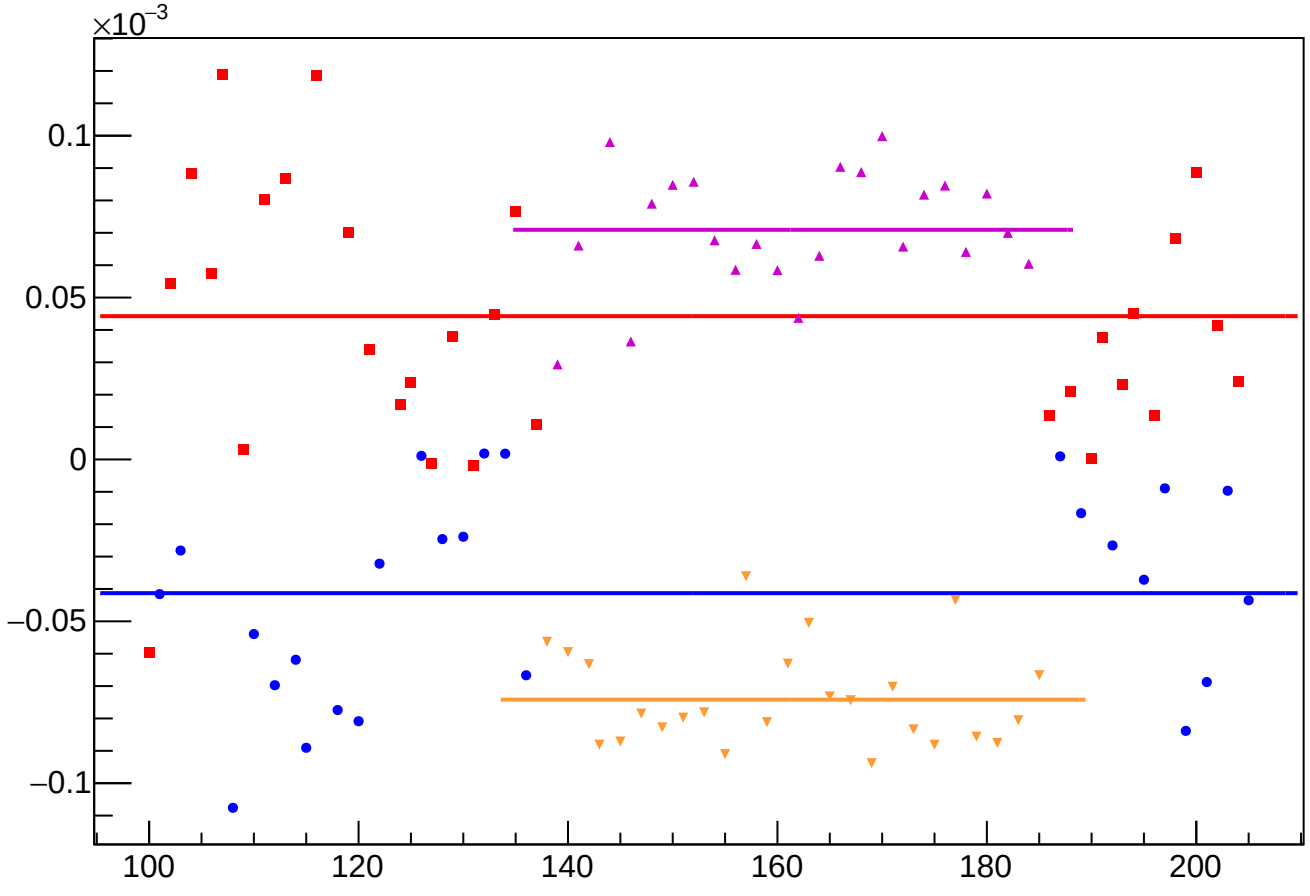
Left: 62.103+/-0.000 χ^2/NDF: 1854116767315315

Right: -95.584+/-0.000 χ^2/NDF: 142480181201791

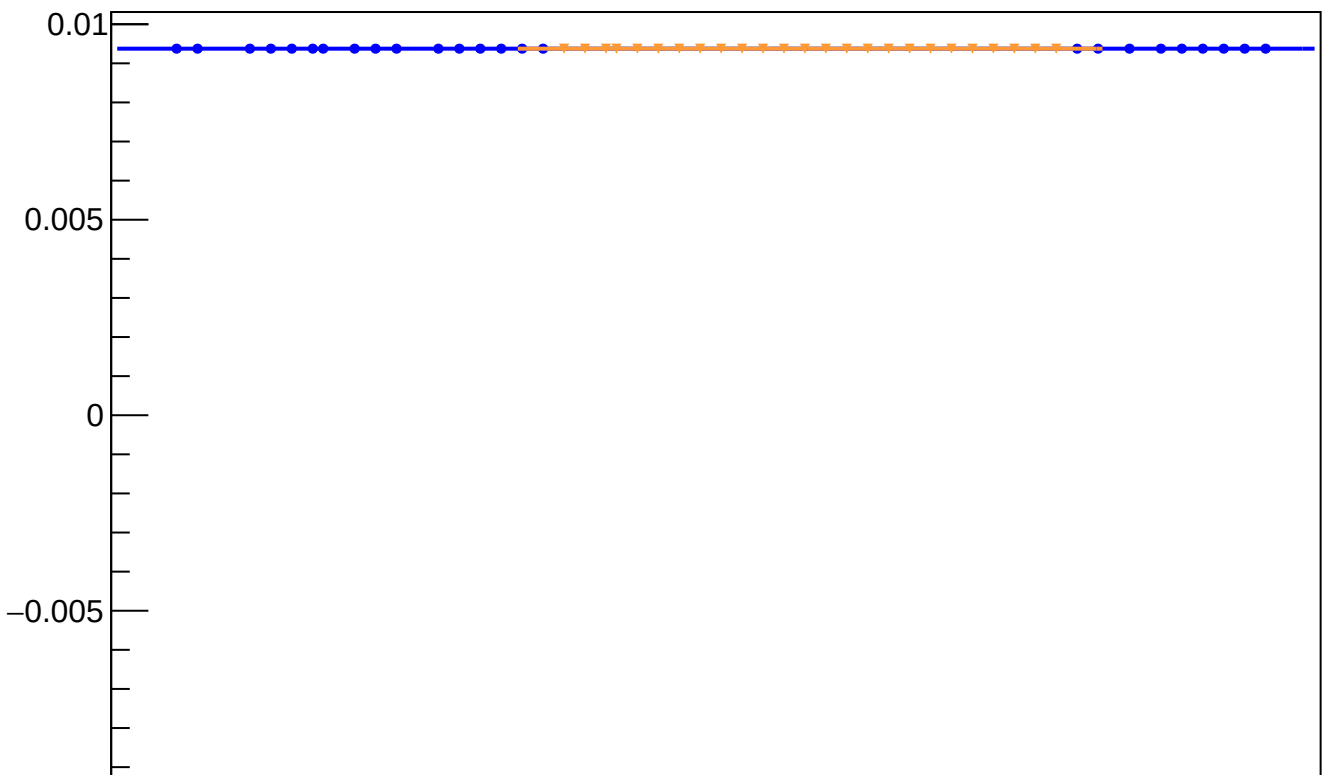
In: -300.557+/-0.000 χ^2/NDF:155352490820540

Out: 267.582+/-0.000 χ^2/NDF:167367906967157

All: -6.463+/-0.000 χ^2/NDF: 328316123865


HALLA_dpp_mean vs Slug, Sign Corrected
×10^−3
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 1224125054284796954411008.0/24
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 158361674961225401761792 0.0/29
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: 83214128151149605
In: 0.000+/-0.000 χ²/NDF:121997199372261715 2
Out: -0.000+/-0.000 χ²/NDF:14469307741680250
All: -0.000+/-0.000 χ²/NDF: 3015213564212

MQ171LM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

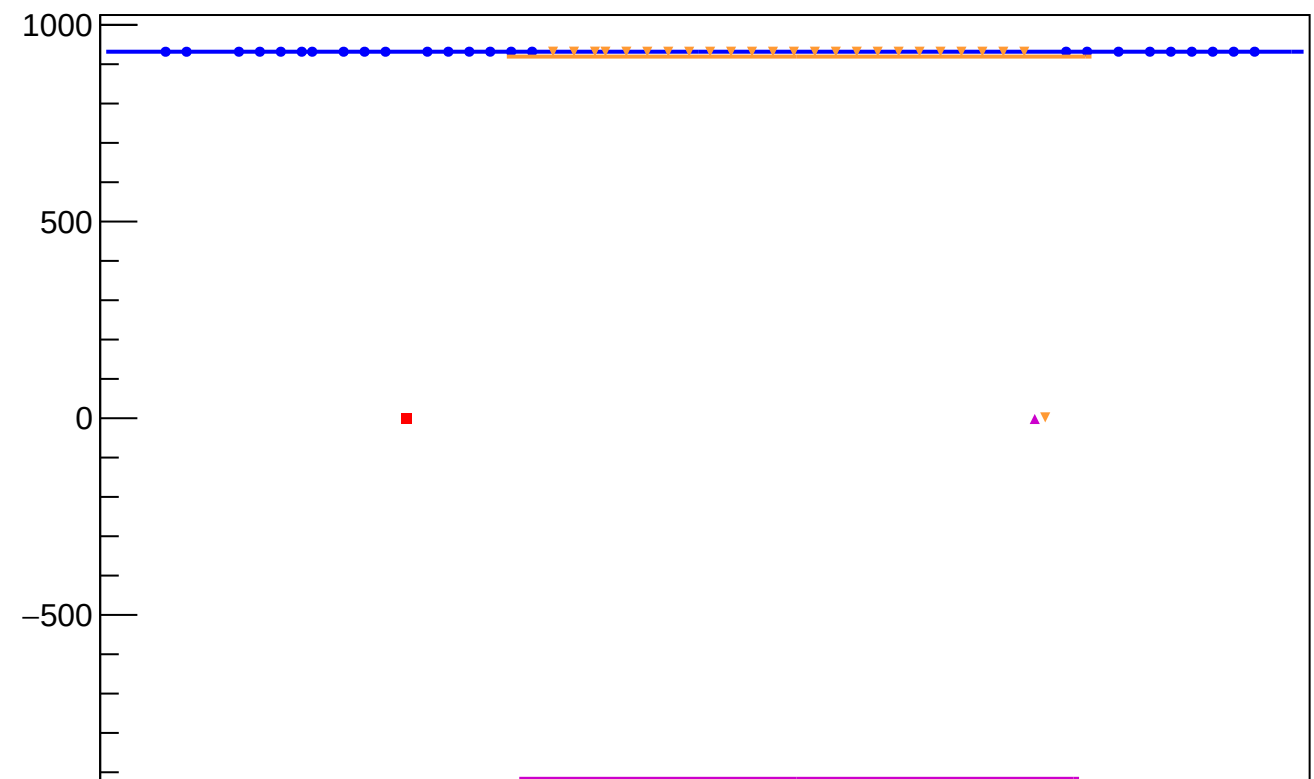
Right: -0.000+/-0.000 χ^2/NDF: 2648268259357398

In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6102190268075

HacL_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 931.777+/-0.000 χ^2/NDF: 3226937293652987618401166819328.0/24

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812436 48.0/24

Right Out: -922.911+/-0.000 χ^2/NDF: 1289837149092568149704856141391567 2576.0/29

Left In: -916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

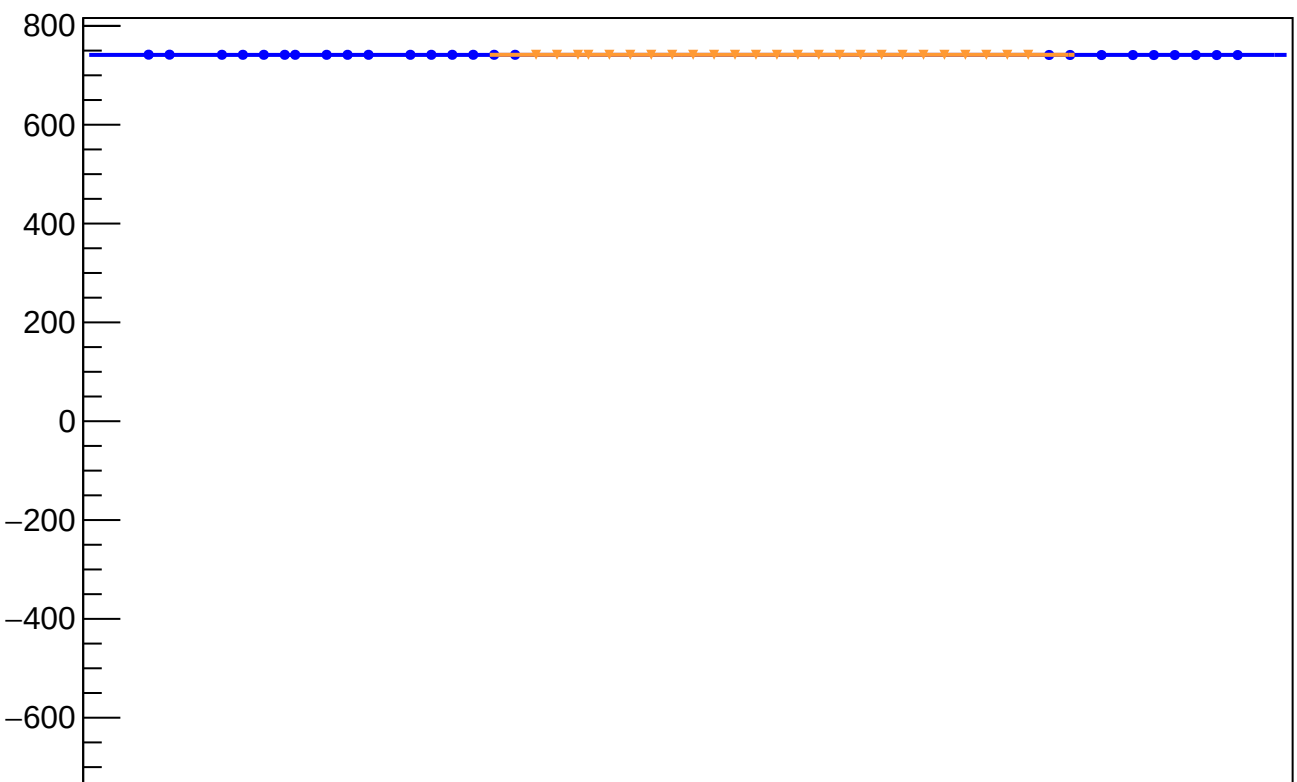
Left: 27.548+/-0.000 χ^2/NDF: 33535518082193632

Right: -36.421+/-0.000 χ^2/NDF: 260410069138806

In: -120.212+/-0.000 χ^2/NDF:2832324343737135

Out: 111.501+/-0.000 χ^2/NDF:3039232567280031

All: -0.267+/-0.000 χ^2/NDF: 5964634617117



Right In: 741.312+/-0.000 χ^2/NDF: 10851729463118603412446957168230 4.0/24

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005 12.0/24

Right Out: -741.308+/-0.000 χ^2/NDF: 1171208894435867058221886524620 80.0/29

Left In: -741.513+/-0.000 χ^2/NDF:2347039830300854231858958827 52.0/22

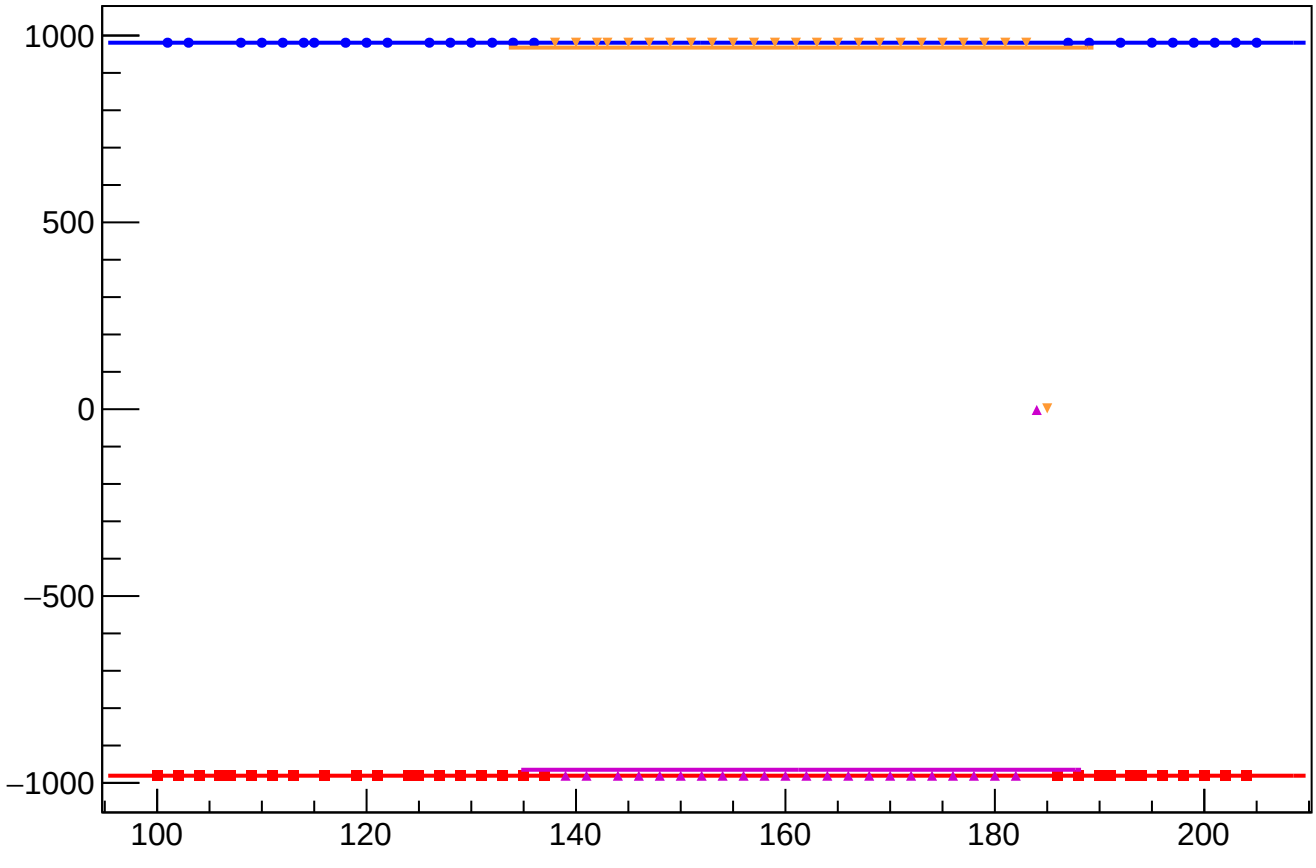
Left: 21.165+/-0.000 χ^2/NDF: 2155819118342563

Right: -32.656+/-0.000 χ^2/NDF: 165584216643117

In: -102.601+/-0.000 χ^2/NDF:1805732411778172

Out: 91.283+/-0.000 χ^2/NDF:1945703966239660

All: -2.238+/-0.000 χ^2/NDF: 3816603768861



Right In: 980.808+/-0.000 χ^2/NDF: 1773733096782430325531243184128.0/24

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: -980.778+/-0.000 χ^2/NDF: 6339942921642270154021618162073 6.0/29

Left In: -964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

Left: 28.991+/-0.000 χ^2/NDF: 37154523356806808

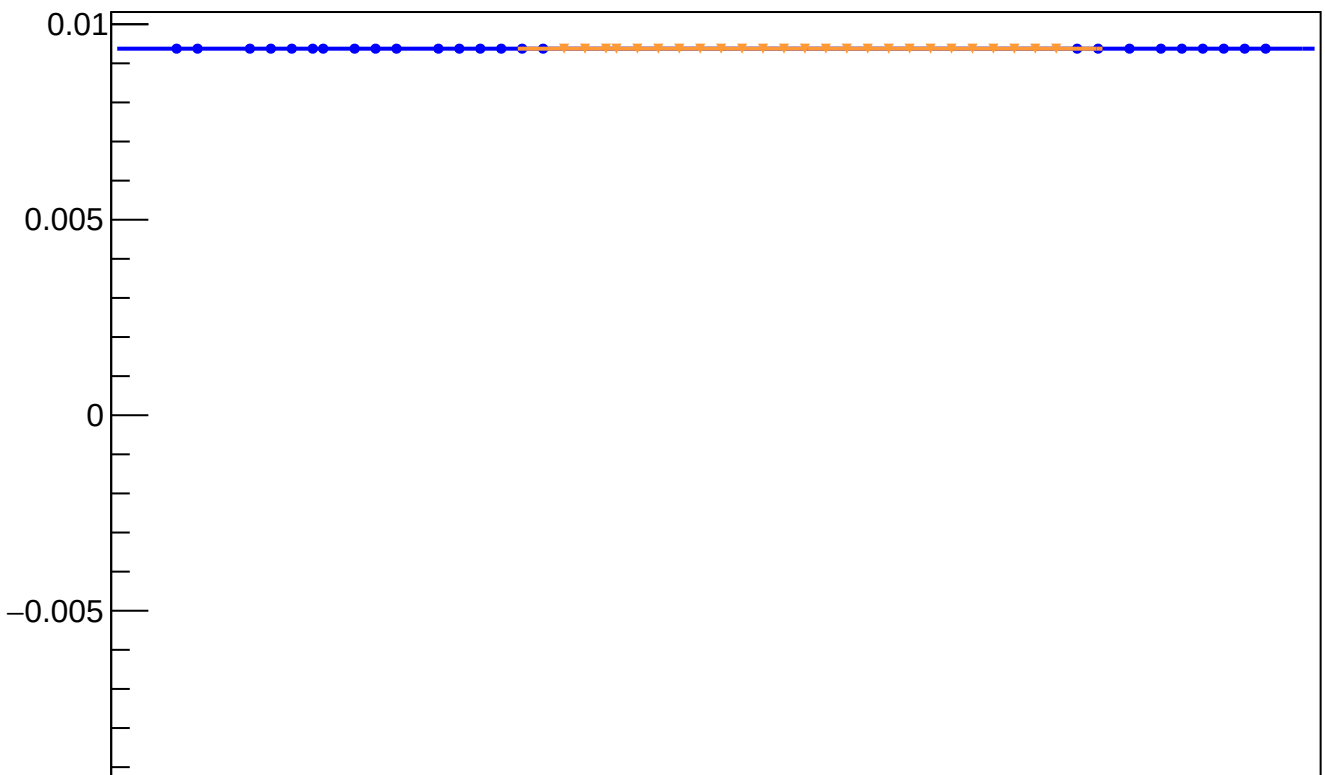
Right: -43.193+/-0.000 χ^2/NDF: 289850593340865

In: -126.517+/-0.000 χ^2/NDF:3138132492033457

Out: 113.263+/-0.000 χ^2/NDF:3385044820156731

All: -2.397+/-0.000 χ^2/NDF: 6622848671207

MQ172RM_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

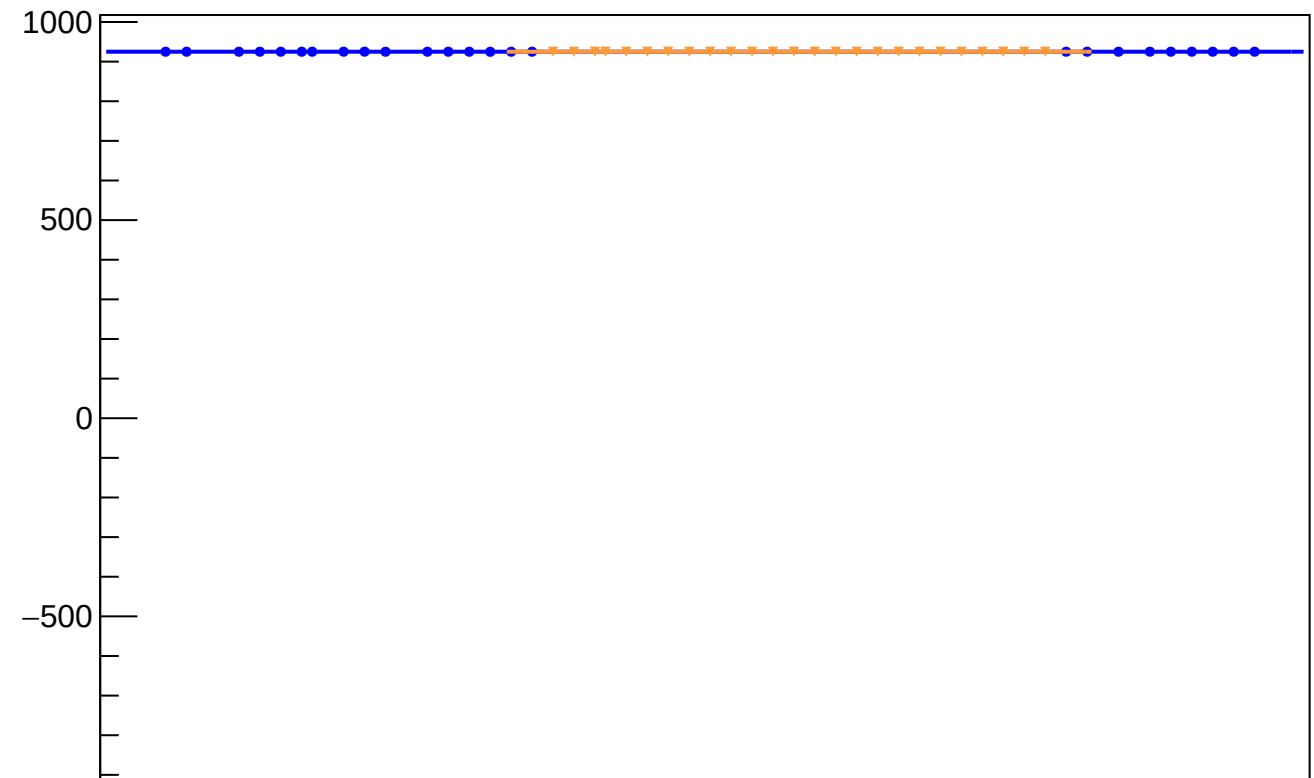
Right: -0.000+/-0.000 χ^2/NDF: 2648268259357398

In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6102190268075

HacR_Q2_HP3458A_IOUT_mean vs Slug, Sign Corrected



Right In: 924.990+/-0.000 χ^2/NDF: 34355084651253075961665174896640/24

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: -924.994+/-0.000 χ^2/NDF: 19040970199427085849029100175360/29

Left In: -924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

Left: 26.401+/-0.000 χ^2/NDF: 33546151426363744

Right: -40.752+/-0.000 χ^2/NDF: 257807147432873

In: -127.876+/-0.000 χ^2/NDF:2810636228503424

Out: 113.752+/-0.000 χ^2/NDF:3028530195151017

All: -2.799+/-0.000 χ^2/NDF: 5940381082156

Right In: 762.570+/-0.000 χ^2/NDF: 5488540589272592813059572393574 4.0/24

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

Right Out: -753.923+/-0.000 χ^2/NDF: 732146926759367470362711371556690329 6.0/29

Left In: -762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

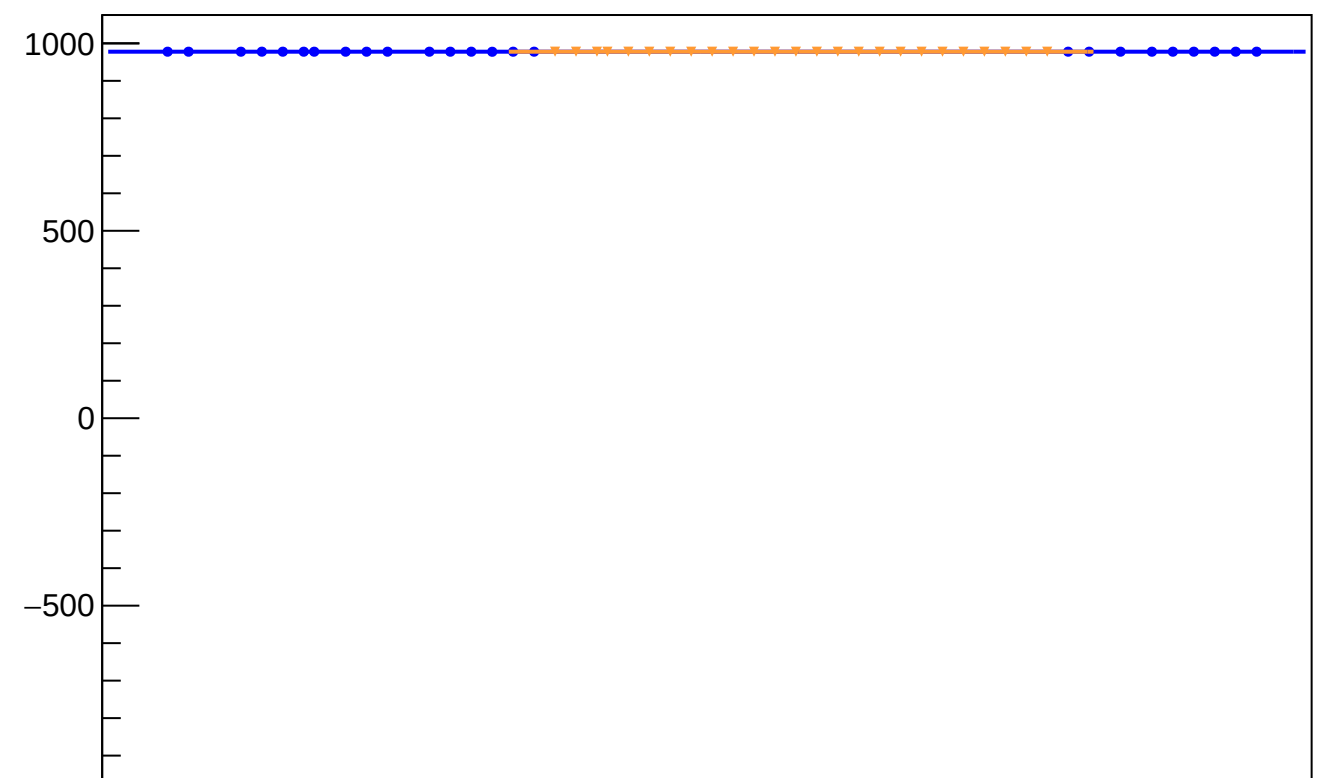
Left: 21.764+/-0.000 χ^2/NDF: 22796901664040585

Right: -29.081+/-0.000 χ^2/NDF: 173969178927798

In: -105.396+/-0.000 χ^2/NDF:1910137067260183

Out: 97.546+/-0.000 χ^2/NDF:20422574461411317

All: -0.345+/-0.000 χ^2/NDF: 4023792895010



Left: 27.908+/-0.000 χ^2/NDF: 37481642757083146

Right In: 977.759+/-0.000 χ^2/NDF: 22025435158164051374597629542400/24

Right: -43.073+/-0.000 χ^2/NDF: 2880589846073525

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

In: -135.162+/-0.000 χ^2/NDF:3140415219421649

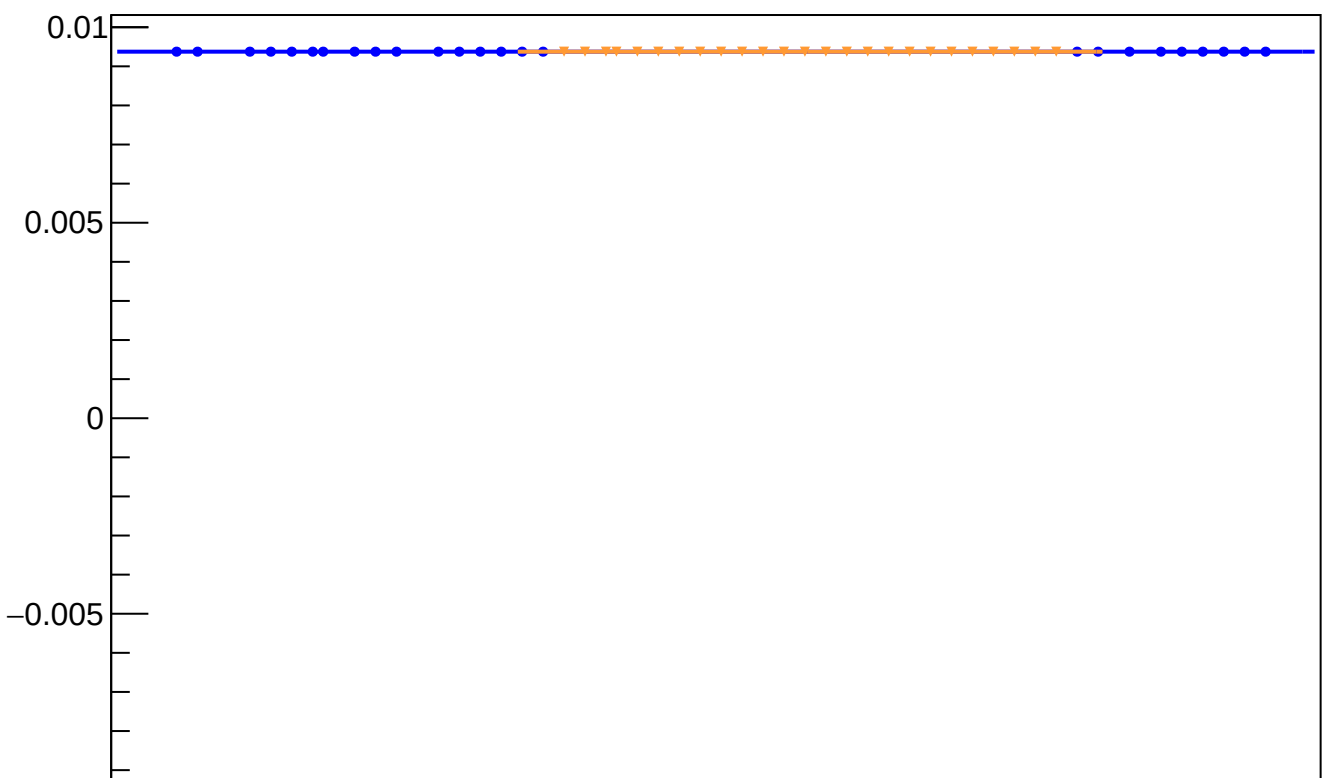
Right Out: -977.755+/-0.000 χ^2/NDF: 28202734444944618716457127116800/29

Out: 120.237+/-0.000 χ^2/NDF:3383855900315004

Left In: -977.735+/-0.000 χ^2/NDF:109676643760541725462707254067 2.0/22

All: -2.956+/-0.000 χ^2/NDF: 6637350719063

hesDipole_current_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

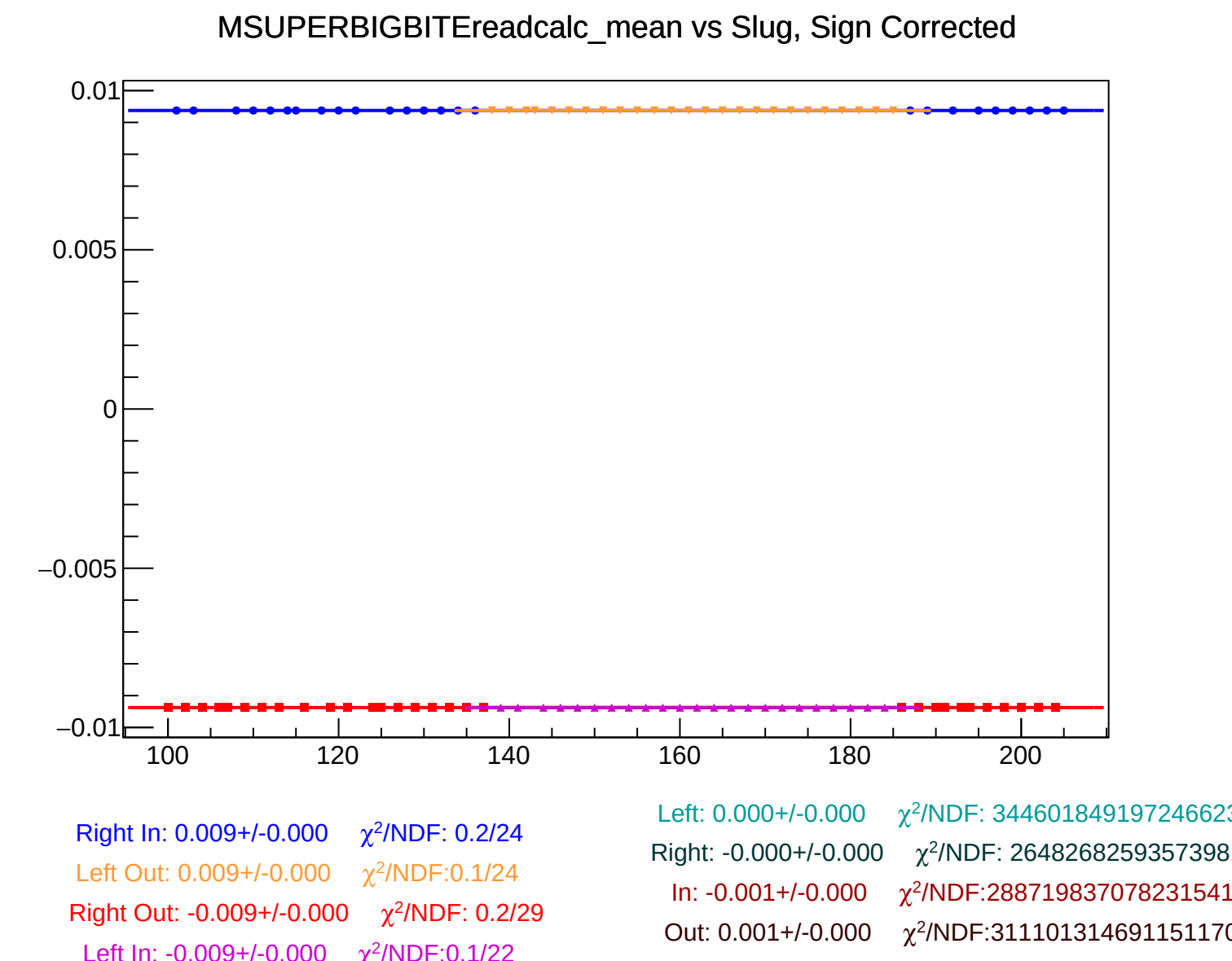
Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

Right: -0.000+/-0.000 χ^2/NDF: 2648268259357398

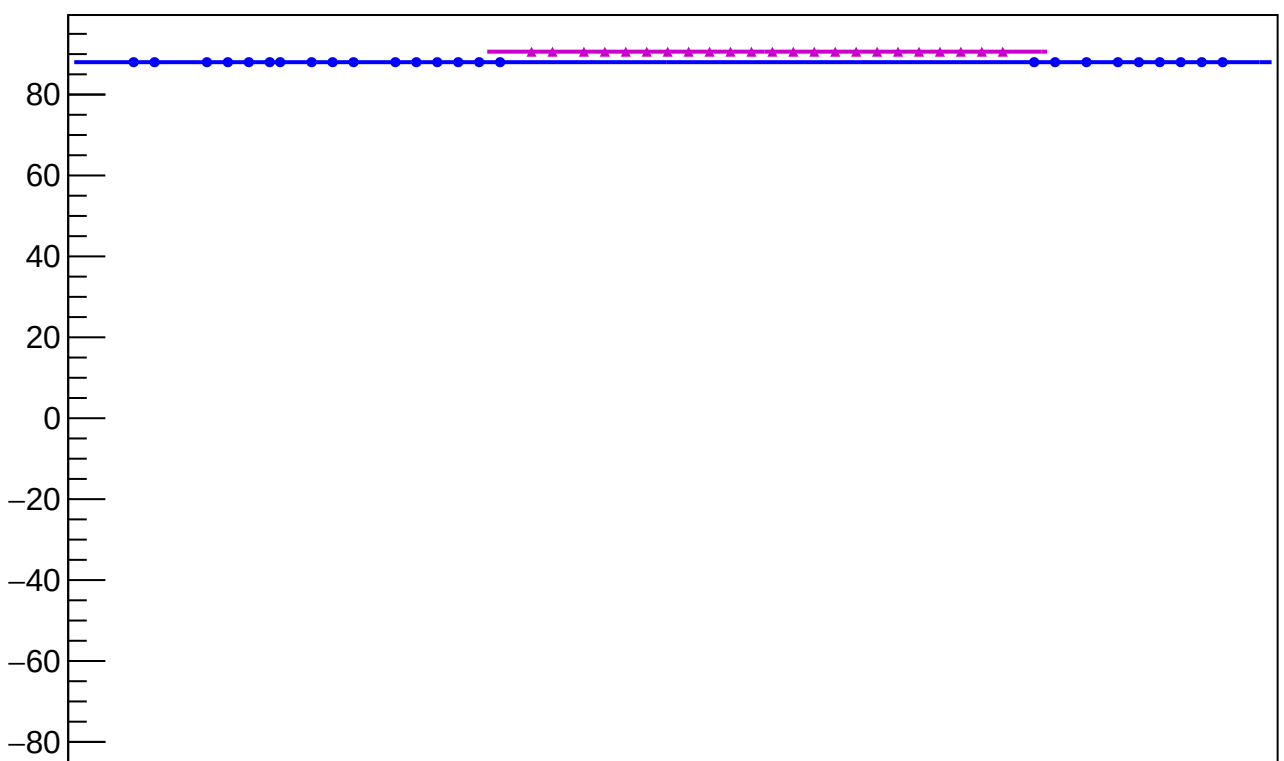
In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6102190268075


MSUPERBIGBITEreadcalc_mean vs Slug, Sign Corrected
0.01
0.005
0
−0.005
−0.01
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 0.2/24
Left Out: 0.009+/-0.000 χ²/NDF:0.1/24
Right Out: -0.009+/-0.000 χ²/NDF: 0.2/29
Left In: -0.009+/-0.000 χ²/NDF:0.1/22
Left: 0.000+/-0.000 χ²/NDF: 344601849197246623
Right: -0.000+/-0.000 χ²/NDF: 2648268259357398
In: -0.001+/-0.000 χ²/NDF:288719837078231541
Out: 0.001+/-0.000 χ²/NDF:311101314691151170
All: -0.000+/-0.000 χ²/NDF: 6102190268075

VWienAngle_mean vs Slug, Sign Corrected



Right In: 88.001+/-0.000 χ^2/NDF: 3556109.2/24

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: -88.002+/-0.000 χ^2/NDF: 761041489493974063896372183040/29

Left In: 90.599+/-0.000 χ^2/NDF:7520558.1/22

Left: -2.586+/-0.000 χ^2/NDF: 32182865130583949

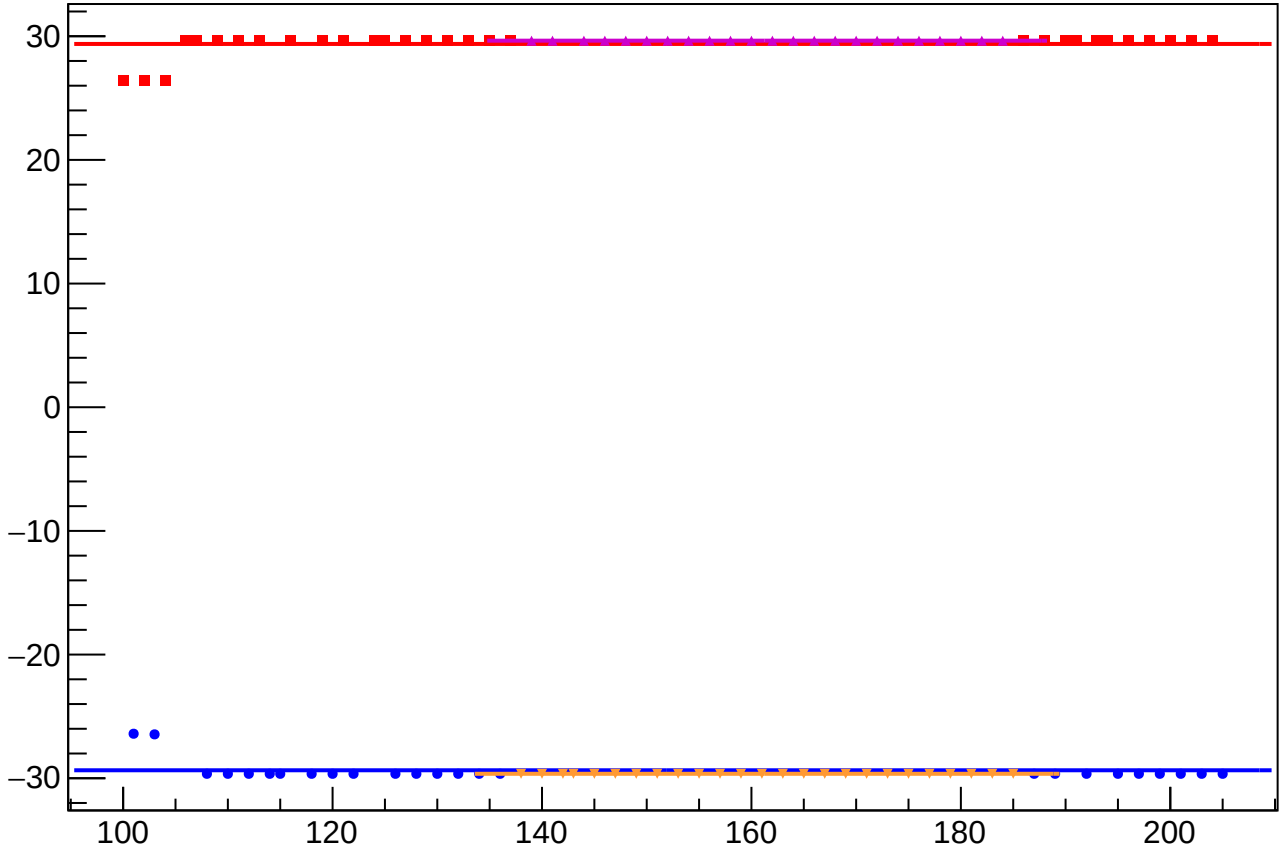
Right: -3.877+/-0.000 χ^2/NDF: 2333448219063964

In: 89.480+/-0.000 χ^2/NDF:554562959870476743

Out: -89.460+/-0.000 χ^2/NDF:5969582991816915

All: -3.148+/-0.000 χ^2/NDF: 5552019367527

HWienAngle_mean vs Slug, Sign Corrected



Right In: -29.356+/-0.000 χ^2/NDF: 120552826848827299972206329384140 8.0/24

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

Right Out: 29.376+/-0.000 χ^2/NDF: 124334613502538433366018638846361 6.0/29

Left In: 29.641+/-0.000 χ^2/NDF:290780.4/22

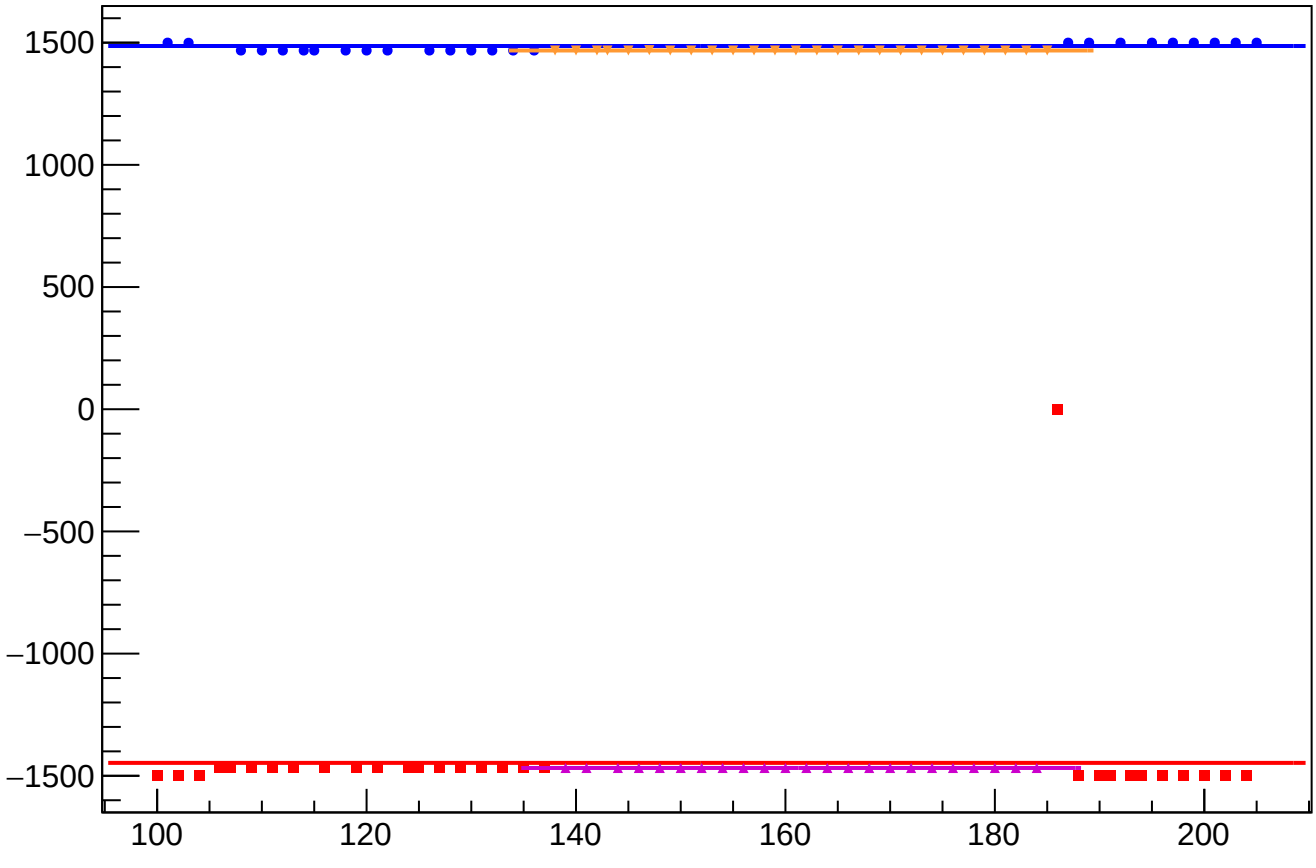
Left: -0.846+/-0.000 χ^2/NDF: 34447051473431892

Right: 1.304+/-0.000 χ^2/NDF: 26007825471501341

In: 4.221+/-0.000 χ^2/NDF:285960484408837643 3

Out: -3.762+/-0.000 χ^2/NDF:30833086318837625

All: 0.089+/-0.000 χ^2/NDF: 605337244562 56



Left: 41.929+/-0.000 χ^2/NDF: 84496793302930950

Right In: 1486.376+/-0.000 χ^2/NDF: 3606816297681227200885389290446520320/24

Right: -45.002+/-0.000 χ^2/NDF: 6573532803980869

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

In: -195.030+/-0.000 χ^2/NDF:7168452937667038

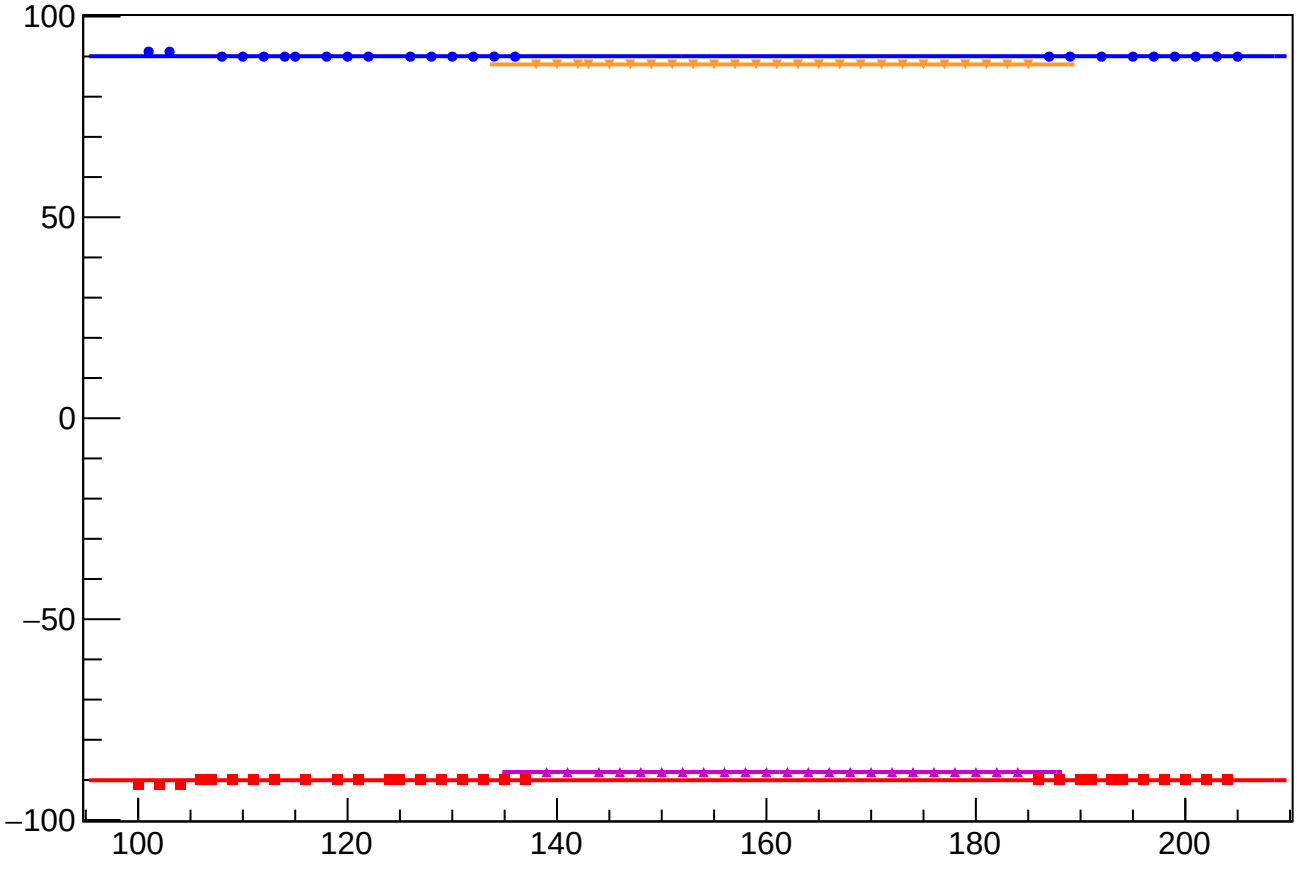
Right Out: -1447.145+/-0.000 χ^2/NDF: 907460156026233173939969614720511508480.0/29

Out: 189.712+/-0.000 χ^2/NDF:761103584495967

Left In: -1467.994+/-0.000 χ^2/NDF:1554938089860967537552245391360.0/22

All: 4.129+/-0.000 χ^2/NDF: 15036106295388

Phi_FG_mean vs Slug, Sign Corrected



Left: 2.512+/-0.000 χ^2/NDF: 303769885681723848

Right In: 90.069+/-0.000 χ^2/NDF: 176436156177894526350755891249152.0/24

Right: -3.964+/-0.000 χ^2/NDF: 2444198550116666

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

In: -11.286+/-0.000 χ^2/NDF:26046790107249332

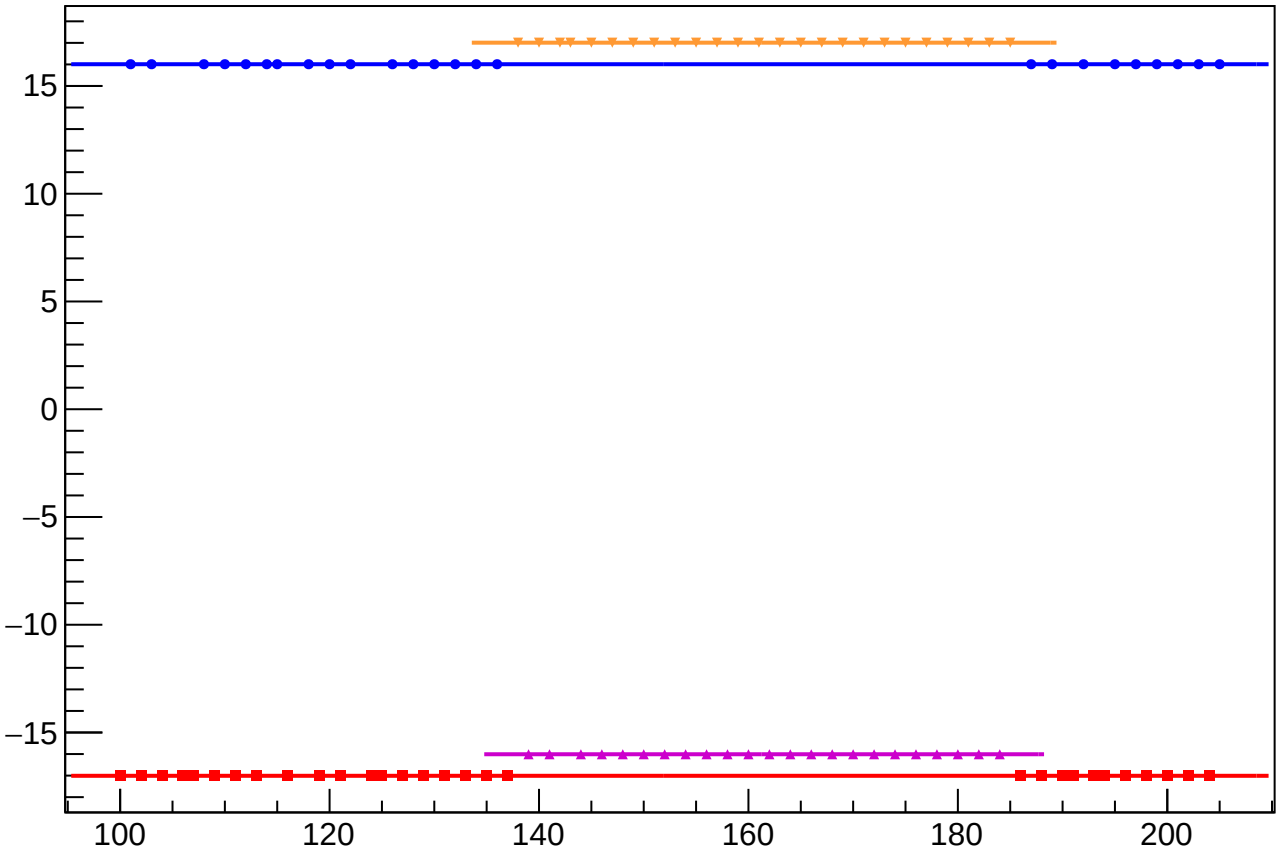
Right Out: -90.061+/-0.000 χ^2/NDF: 18211486598987186958037577367552O.0/29

Out: 9.930+/-0.000 χ^2/NDF:280633632943327353

Left In: -88.021+/-0.000 χ^2/NDF:7159272.4/22

All: -0.304+/-0.000 χ^2/NDF: 5489053216520

IGL1I00DI24_24M_mean vs Slug, Sign Corrected



Right In: 16.009+/-0.000 χ^2/NDF: 1052929899406729234350 08.0/24

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525 76.0/24

Right Out: -17.009+/-0.000 χ^2/NDF: 1898714366273343332758323 2.0/29

Left In: -16.009+/-0.000 χ^2/NDF:1246879121670635236884 48.0/22

Left: 0.967+/-0.000 χ^2/NDF: 991588108006867686

Right: -1.079+/-0.000 χ^2/NDF: 7921694274513682

In: -1.842+/-0.000 χ^2/NDF:802478686856690856

Out: 1.843+/-0.000 χ^2/NDF:965834947045180251

All: 0.058+/-0.000 χ^2/NDF: 1790525424496

IGL1I00OD16_16_mean vs Slug, Sign Corrected

Right In: 17.009+/-0.000 χ^2/NDF: 10531767259750233590988 8.0/24

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: -16.009+/-0.000 χ^2/NDF: 414865.1/29

Left In: -17.009+/-0.000 χ^2/NDF:1110071044208815662694 40.0/22

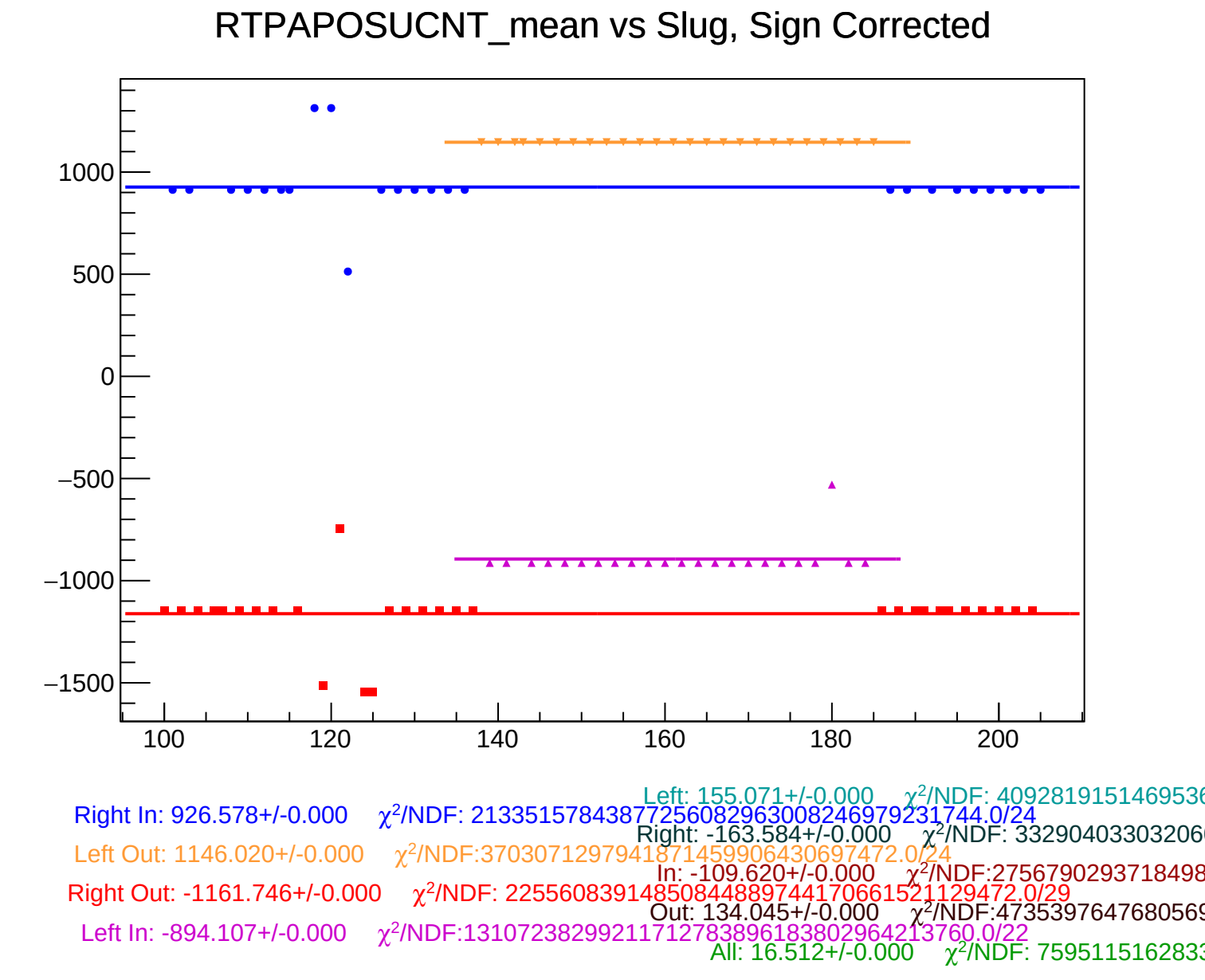
Left: 0.066+/-0.000 χ^2/NDF: 104866556030492975

Right: -0.403+/-0.000 χ^2/NDF: 8100703872639256

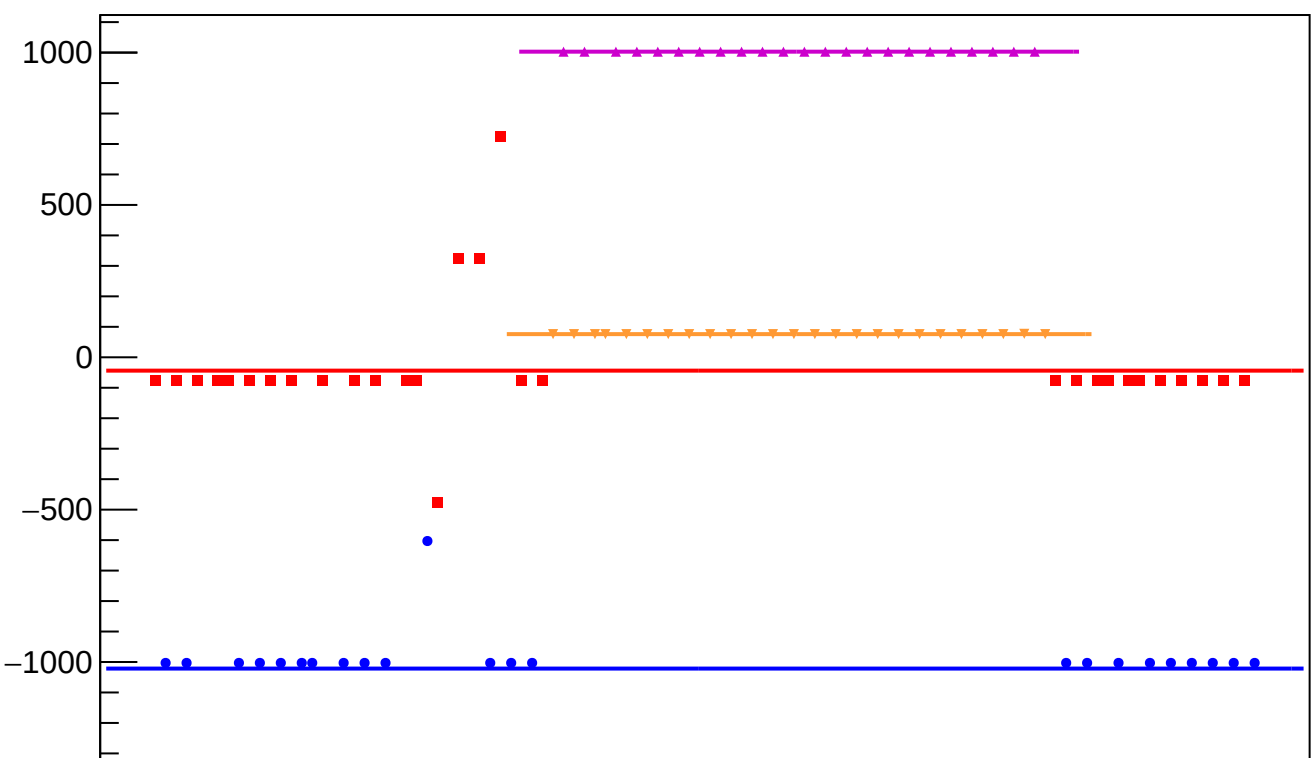
In: -2.347+/-0.000 χ^2/NDF:92778131226952072 4

Out: 1.887+/-0.000 χ^2/NDF:900767512003478497

All: -0.139+/-0.000 χ^2/NDF: 185910474975 4


RTPAPOSUCNT_mean vs Slug, Sign Corrected
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 926.578+/-0.000 χ²/NDF: 213351578438772560829630082469792317440/24
Left Out: 1146.020+/-0.000 χ²/NDF:3703071297941871459906430697472.0/24
Right Out: -1161.746+/-0.000 χ²/NDF: 225560839148508448897441706615211294720/29
Left In: -894.107+/-0.000 χ²/NDF:131072382992117127838961838029642137600/22
Left: 155.071+/-0.000 χ²/NDF: 4092819151469536
Right: -163.584+/-0.000 χ²/NDF: 33290403303206
In: -109.620+/-0.000 χ²/NDF:2756790293718498
Out: 134.045+/-0.000 χ²/NDF:473539764768056
All: 16.512+/-0.000 χ²/NDF: 7595115162833

RTPAPOSVCNT_mean vs Slug, Sign Corrected



Left: 526.293+/-0.000 χ^2/NDF: 8422008663429018

Right In: -1021.562+/-0.000 χ^2/NDF: 233419108705453793299940518136444354560/24

Right: -511.132+/-0.000 χ^2/NDF: 791332579377250

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

In: 130.661+/-0.000 χ^2/NDF:338947928524873250

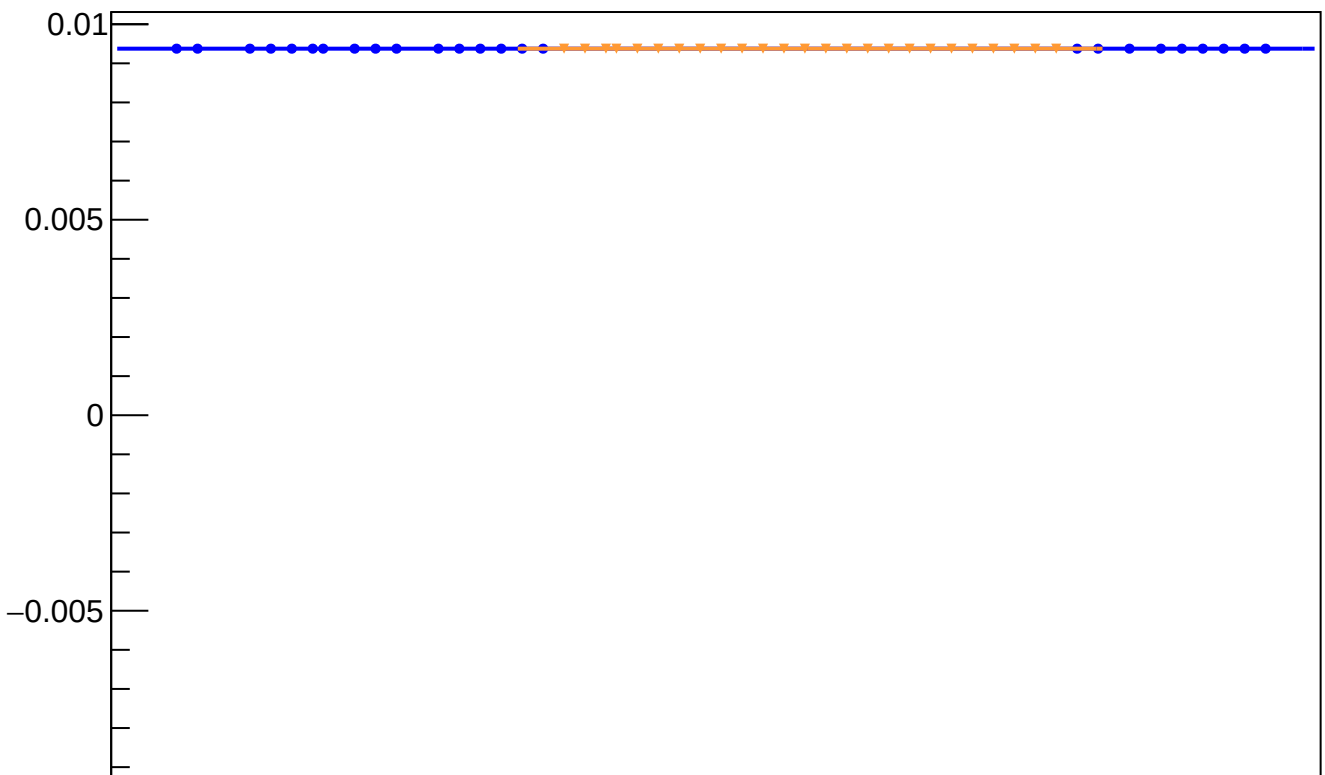
Right Out: -43.777+/-0.000 χ^2/NDF: 4780229889537366860259944285723007385 6.0/29

Out: 23.506+/-0.000 χ^2/NDF:605089373034600270

Left In: 1002.990+/-0.000 χ^2/NDF:29519559033483147530972692480.0/22

All: 75.193+/-0.000 χ^2/NDF: 346989362077

RTPPITA1CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

Left In: -0.009+/-0.000 χ^2/NDF:0.1/22

Left: 0.000+/-0.000 χ^2/NDF: 344601849197246623

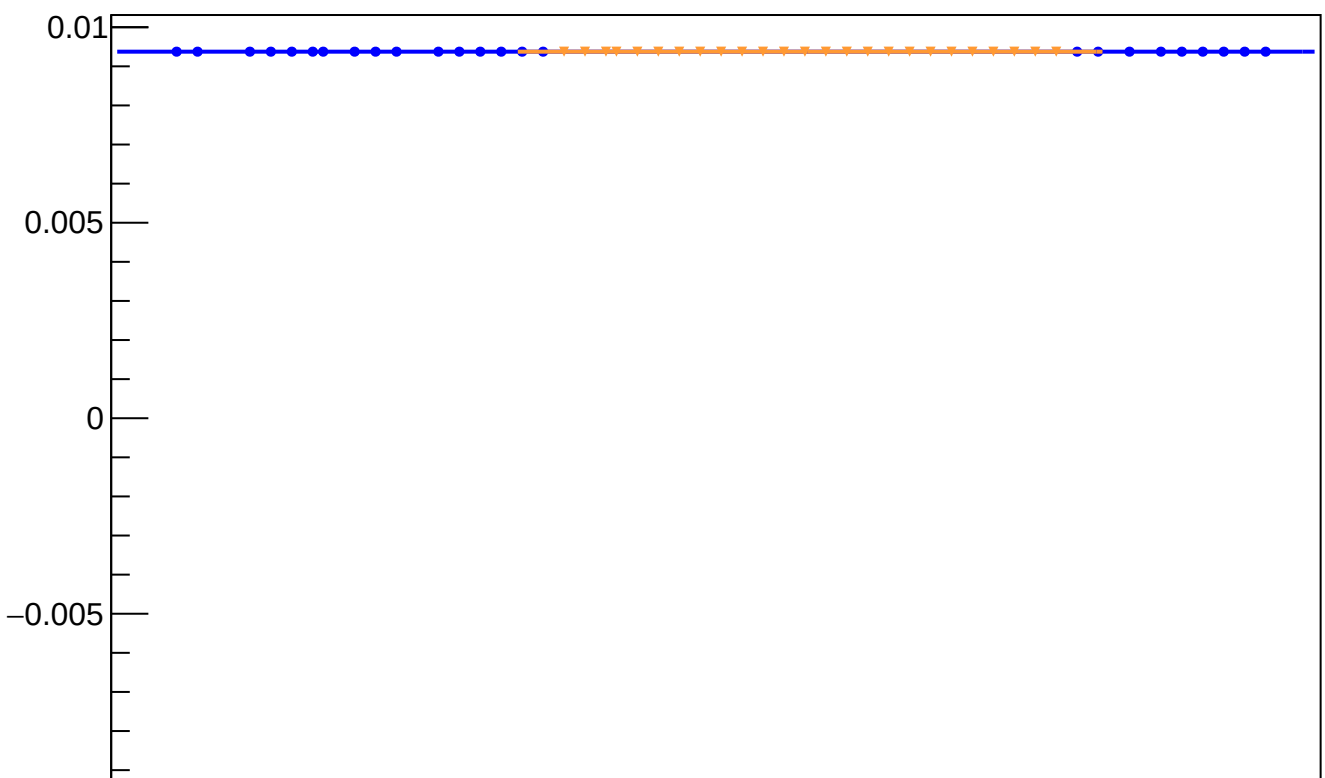
Right: -0.000+/-0.000 χ^2/NDF: 2648268259357398

In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6102190268075

RTPPITA2CNT_mean vs Slug, Sign Corrected



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -0.009+/-0.000 χ^2/NDF: 0.2/29

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: 2648268259357398

In: -0.001+/-0.000 χ^2/NDF:288719837078231541

Out: 0.001+/-0.000 χ^2/NDF:311101314691151170

All: -0.000+/-0.000 χ^2/NDF: 6102190268075